



AGENDA
CITY OF LAKE WORTH BEACH
SPECIAL CITY COMMISSION MEETING #2 - DOKA APPEAL CONTINUATION
CITY HALL COMMISSION CHAMBER
TUESDAY, MAY 25, 2021 - 6:00 PM

ROLL CALL:

PLEDGE OF ALLEGIANCE: led by Vice Mayor Herman Robinson

UNFINISHED BUSINESS:

- A. [Appeal by Alfred Malefatto, Esq. on behalf of Marlin Industrial Park Owners Association of PZB Project # 20-01400035 commonly referred to as "Umdasch/Doka," which included site plan, sustainable bonus and conditional use approvals to allow for the construction of a +/-47,000 square foot distribution facility and repair and maintenance uses within the Industrial Park of Commerce \(I-POC\) zoning district](#)

ADJOURNMENT:

The City Commission has adopted Rules of Decorum for Citizen Participation (See Resolution No. 25-2021). The Rules of Decorum are posted within the City Hall Chambers, City Hall Conference Room, posted online at: <https://lakeworthbeachfl.gov/government/virtual-meetings/>, and available through the City Clerk's office. Compliance with the Rules of Decorum is expected and appreciated.

If a person decides to appeal any decision made by the board, agency or commission with respect to any matter considered at such meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based. (F.S. 286.0105)

EXECUTIVE BRIEF SPECIAL MEETING

AGENDA DATE: May 25, 2021

DEPARTMENT: Community Sustainability

TITLE:

Appeal by Alfred Malefatto, Esq. on behalf of Marlin Industrial Park Owners Association of PZB Project # 20-01400035 commonly referred to as "Umdasch/Doka," which included site plan, sustainable bonus and conditional use approvals to allow for the construction of a +/-47,000 square foot distribution facility and repair and maintenance uses within the Industrial Park of Commerce (I-POC) zoning district

SUMMARY:

Alfred Malefatto, Esq. on behalf of Marlin Industrial Park Owners Association, is appealing a final order of the Planning and Zoning Board (PZB) to allow the construction of a +/-47,000 square foot distribution facility and repair and maintenance uses at 2209 7th Avenue North. The subject project was approved unanimously with conditions at the January 6, 2021 Planning and Zoning Board meeting for a major site plan with sustainable bonus and conditional use permit. **The appeal was heard on May 11, 2021 at a special meeting of the City Commission, where the City Commission voted to continue the matter to May 25, 2021 so that the applicant and appellant could potentially negotiate a settlement prior to a final decision by the City Commission.**

PROJECT REVIEW HISTORY:

The subject property is currently vacant. The site was vacant and undeveloped until the 1950s when land was cleared on the southern end of the parcel and used as a landfill. The filling operations appeared to have ceased in the late 1970s and the property became overgrown and remained undeveloped until 2011. At that time, there was an expansion of the pond at the north end of the parcel. Since then, the property has remained undeveloped. The applicant, Lisa Reves of Saul, Ewing, Arnstein and Lehr, applied on behalf of Umdasch Real Estate USA, Ltd. for entitlement approval to develop the subject site with a +/-47,000 square foot distribution facility and repair and maintenance uses.

The application included the following:

- 1.) Major Site Plan for the development of an industrial building in excess of 7,500 square feet.
- 2.) Sustainable Bonus Program Incentive to gain an increase in increase in building height to 31 ft.
- 3.) Conditional Use Permit to establish "distribution facility" and "repair and maintenance – major" uses greater than 7,500 square feet.

At the January 9, 2021 Planning and Zoning Board meeting, staff presented a summary of the attached staff report, which contained the review of the proposed plans, documentation and materials provided by the applicant for consistency with the applicable standards found in the

City of Lake Worth Beach's Land Development Regulations (LDRs), Comprehensive Plan and Strategic Plan. The PZB approved the project with a vote of 7-0 for approval with conditions.

QUASI-JUDICIAL PROCESS:

Section 23.2-17(b) of the City's code outlines the process for appealing decisions of the Planning and Zoning Board and Historic Resources Preservation Board to the City Commission. It requires the appealing party to submit a basis of appeal, which the appealing party has done (it is attached). At the hearing, each party will be given 10 minutes to present its argument. Thereafter, the commission members may make comments, ask questions, request clarification and discuss the information presented at the PZB meeting. The Commission's decision upholding or overturning the decision should be based on competent, substantial evidence.

The courts have defined substantial evidence as that which will establish a substantial basis of fact from which the fact at issue can be reasonably inferred. It is such relevant evidence as a reasonable mind would accept as adequate to support a conclusion. Competent means that the evidence relied upon to sustain the ultimate finding should be sufficiently relevant and material that a reasonable mind would accept it as adequate to support the conclusion reached. See e.g., Village of Palmetto Bay v. Palmer Trinity Private School, Inc. 128 So. 3d 19 (Fla. 3d DCA 2012).

POTENTIAL MOTIONS:

1. I find that the evidence presented in the application materials, presentations, testimony and the staff report was competent and substantial, and therefore move to uphold the decision of the Planning and Zoning Board approving major site plan, sustainable bonus incentive and conditional use approvals at 2209 7th Avenue North with conditions of approval as set forth in the development order.
2. I find that the evidence presented was not competent and substantial [based upon specified reasons], and therefore, move to overturn and reverse the decision of the Planning and Zoning Board approving major site plan, sustainable bonus incentive and conditional use approvals at 2209 7th Avenue North as set forth in the development order.

ATTACHMENT(S):

PZB #20-01400035 Development Order
January 6, 2021 PZB Meeting Minutes
Appellant's Basis of Appeal
Staff's Presentation on January 6, 2021
Applicant's Presentation on January 6, 2021
PZB #20-01400035 PZB Staff Report
PZB Staff Report Attachment Site Plan Package
PZB Staff Report Attachment Supporting Documents



**ORDER OF THE PLANNING AND ZONING BOARD
OF THE CITY OF LAKE WORTH BEACH, FLORIDA**

PROJECT NAME: Umdasch/Doka, 2209 7th Avenue North, PZB 20-01400035
APPLICANT/OWNER: Lisa Reves of Saul, Ewing, Arnstein and Lehr/Umdasch Real Estate USA, Ltd.
APPLICANT'S ADDRESS: 515 North Flagler Drive, West Palm Beach, FL 33401
DATE OF HEARING: January 6, 2021
APPROVAL SOUGHT: Major Site Plan with Sustainable Bonus and Conditional Use to construct a +/- 47,000 square foot distribution facility and repair and maintenance uses at 2209 7th Avenue North.
PROPERTY LOCATION: 2209 7th Avenue North
PCN: 38-43-44-20-01-066-0010

X THIS MATTER came to be heard before the Planning and Zoning Board of the City of Lake Worth Beach, Florida, on the date of hearing stated above. The Board, having considered the application by the Applicant, the materials submitted by the Applicant, and the staff reports, and having heard testimony from the Applicant, members of the Lake Worth Beach administrative staff, affected parties, and the public, finds as follows:

1. Application for a Major Site Plan with Sustainable Bonus and Conditional Use was made by the Applicant in a manner consistent with the requirements of the Lake Worth Beach Land Development Regulations.

2. The Applicant
 X HAS
 HAS NOT

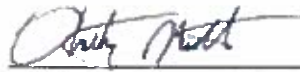
established by substantial competent evidence a basis for the approval requested.

3. The conditions for the Major Site Plan with Sustainable Bonus and Conditional Use, as presented by administrative staff, are set forth in the CONDITIONS OF APPROVAL, attached.

4. The Applicant's application for a Major Site Plan with Sustainable Bonus and Conditional Use is hereby
 X GRANTED, subject to the conditions referenced in paragraph 3 hereof.
 DENIED

5. This Order shall take effect on the date signed by the chairperson.
6. All further development on the property shall be made in accordance with the terms and conditions of this Order.

CHAIRPERSON-On behalf of the BOARD



Anthony Marotta, Vice Chairperson

BOARD SECRETARY



Sherie Coale, City of Lake Worth Beach

Erin Sita, Assistant Director

Date: 1/15/2021

CONDITIONS OF APPROVAL**PZB CASE No. 20-01400035****Electric:**

1. Prior to the issuance of a certificate of occupancy:
 - a. The 10-ft-wide electric easement will be needed and recorded prior to the issuance of a Certificate of Occupancy.
 - b. The customer will be responsible for installing Lake Worth Beach's two 4" schedule-40 gray electric conduits at a minimum of 42" deep.
2. Prior to the issuance of a building permit:
 - a. The electrical riser diagram and the load calculations will be needed.

Planning:

1. Prior to the issuance of a building permit, all fencing on-site shall meet the applicable requirements of Sections 23.4-4 and Section 23.4-19.
2. The project is prohibited from generating noise levels that exceed regulations found in Section 15.24.

Public Works:

1. The issuance of any permits shall comply with all provisions of the Lake Worth Municipal Code and all other applicable standards including but not limited to the Florida Department of Transportation (FDOT), Manual on Uniform Traffic Control Devices (MUTCD), and City of Lake Worth Public Works Construction Standards and Policy and Procedure Manual.
2. Prior to the issuance of a building permit:
 - a. the applicant shall contact the Lake Worth Drainage (LWDD) District's Engineering Department and obtain any required permit(s), if necessary, and furnish to the City. Prior to the issuance of a building permit, the applicant shall contact the South Florida Water Management District's (SFWMD) Engineering Department and obtain any required permit(s), if necessary.
 - b. the Applicant shall contact and meet with a representative from the Public Works Solid Waste and Recycling Division to confirm dumpster enclosure location, accessibility and demand on property and that it is compatible with the requirements of the Department of Public Works. Solid Waste and Recycling Division contact number is 561-533-7344.
 - c. the applicant shall provide architectural details for the dumpster enclosure to confirm the enclosure meets the standards of the Public Works Dept.
3. Prior to performing work in the right of way, the applicant shall apply for and receive issuance of a "Right of Way/Utility Permit" application
4. Prior to the issuance of a Certificate of Occupancy:
 - a. All conditions of approval must be satisfied under jurisdiction of the Department of Public Works
 - b. The Applicant shall ensure the entire surrounding off-site infrastructure inclusive of the roadway, sidewalk, curbing, stormwater system piping and structures, valve boxes, manholes, landscaping, striping, signage, and other improvements are in the same condition as prior to construction
 - c. The applicant shall fine grade and sod all disturbed areas with bahia sod
 - d. The applicant shall broom sweep all areas of the affected right of way and remove of all silt and debris collected as a result of construction activity
 - e. The applicant shall restore the right of way to a like or better condition. Any damages to pavement, curbing, striping, sidewalks or other areas shall be restored in kind

- f. The trench patch for the utility crossing on 7th Ave North shall be restored in accordance with the construction standards of the Public Works Dept.

Water & Sewer:

1. Water & Sewer Utility Plan:
2. Prior to the issuance of a building permit:
 - a. Center the 15-foot-wide easement over the water main.
 - b. Add or move the in-line valve at the edge of the easement for the fire line. This will delineate the private/utility ownership.
 - c. Provide a valve at the southern watermain connection.
 - d. Note to engineer: The proposed watermain has been installed in 7th Ave N, the utility department will have the as-built plan shortly. If practical, the actual utility location should be referenced.
 - e. Move the water service parallel to the fire line or propose a location that minimize the easement extension and path under asphalt. Near the entrance or tapping the main off of 7th Ave N is an option since the meter can be set close to the property line.
 - f. Adjust the water main and/or slope of bank at the lake to provide a minimum of 10 feet flat space for maintenance access. Consider vehicles and equipment having to navigate around the lake bank at the southeast corner.
 - g. Capacity fees for water and sewer must be paid in full in accordance with the current City Ordinance.
 - h. The site shall permit through LWDD and/or SFWMD for the stormwater management and provide a copy to Water Utilities.
 - i. The following shall be provided:
 - i. At time of engineering submittal, provide a full drawing set including any updated drainage calculations, and any permits or permitting information from SFWMD and LWDD.
 - ii. Add all structure and utility conflict information on the plans.
 - iii. Complete water, sewer and drainage plans showing proposed pipe sizes, materials, structure sizes, utility crossing elevations, hydrants, manholes, as well as all pertinent site elevations.
 - iv. Permits from the PBC Health Department for the Watermain extension and the private lift station connection
 - v. If applicable, show irrigation service line/s up the meter and backflow RPZ device/s.
 - vi. Show water & sewer services, drainage structures, and storm mains on landscape plan. Confirm minimum spacing between landscape and services per Public Services Detail 23, Typical Tree with Root Barrier.
 - vii. Fireflow calculations based on a recent hydrant test. Contact Pedro Segovia with Palm Beach County at psegovia@pbcgov.com
 - viii. Signed and sealed Drainage Calculations including a drainage statement from the engineer regarding floodplain management provisions for water quality and quantity shall be provided to the City.
 - ix. Provide geotechnical information for the determination of the hydraulic conductivity of the soil, and groundwater elevation.
 - x. An Erosion Control plan and with the BMPs and NPDES compliance practices shall be provided for the project site.
 - xi. Engineering plans shall include cross-sections along each property line and with grading showing the design storm (3 yr, 1 hour (2.6")) runoff being maintained on site.

- xii. Provide existing and proposed site grades.
- xiii. Indicate vertical datum on all plan drawings with grades.
- xiv. All applicable City of Lake Worth details.

Lake Worth Drainage District:

1. This project will require a drainage outfall connection permit from this District if they will be draining to the E-4 Canal.



**MINUTES
CITY OF LAKE WORTH BEACH
PLANNING & ZONING BOARD REGULAR MEETING
CITY HALL COMMISSION CHAMBER
WEDNESDAY, JANUARY 06, 2021 -- 6:00 PM**

ROLL CALL and RECORDING OF ABSENCES: Board members *present in City Commission Chambers:* Anthony Marotta, Vice-Chair; Mark Humm; Juan Contin; Daniel Tanner; Laura Starr. *Virtual Board member attendance:* Greg Rice, Chairman; Robert Lepa. Also present were: Andrew Meyer, Senior Community Planner; Erin Sita, Assistant Director for Community Sustainability; William Waters, Director for Community Sustainability; Pamala Ryan, Board Attorney; Sherie Coale, Board Secretary.

PLEDGE OF ALLEGIANCE Led by M. Humm

ADDITIONS / DELETIONS / RECORDING AND APPROVAL OF THE AGENDA None

APPROVAL OF MINUTES:

A. October 7, 2020 Meeting Minutes

Motion: M. Humm moved to accept the October 7, 2020 minutes as presented; J. Contin 2nd.

Vote: Ayes all, unanimous.

CASES:

SWEARING IN OF STAFF AND APPLICANTS Christa Simmons, Notary-State of Florida, administered oath to those wishing to give testimony.

PROOF OF PUBLICATION Provided in meeting packet.

1) PZB 20-01400035

PZB/HRPB 20-03100008

WITHDRAWALS / POSTPONEMENTS None

CONSENT None

PUBLIC HEARINGS:

BOARD DISCLOSURE: M. Humm, J. Contin, A. Marotta and L. Starr all received calls and/or emails from attorney for applicant but did not return calls or speak with anyone. D. Tanner received calls from persons representing the applicant; R. Lepa did receive calls but referred the caller to city staff. G. Rice did not speak to anyone nor receive any calls.

UNFINISHED BUSINESS: None

NEW BUSINESS:

Presiding Vice-Chair Anthony Marotta briefly read the following description of the proposed project, then mentioned the need to address, as a preliminary matter, the request of one of three (3) affected parties for a continuance to allow time to prepare his case.

Board Attorney Pamala Ryan states the Board is in possession of the written requests from Mr. Daniel Hiatt requesting an additional continuance. It was granted @ December 2, 2020. As the first continuance was granted, and according to the City Ordinance, any further requests would be at the discretion of the Board.

Affected Party: Mr. Daniel Hiatt

- Believes questionable notice was given in December 2020. Specifically he is unhappy with the notice period, that the USPS was not making deliveries in the four-day weekend holiday period including Thanksgiving Thursday, Friday, Saturday or Sunday; he discussed getting the meeting continued but heard rumor the Board could not reach quorum.
- Does not recall receiving notice of the continuance being granted. Sent the request for the continuance. Every affected party gets one continuance, this is exactly why the Ordinance is in place.
- The reason for this request being his attorney, Thomas Baird, on December 30 advised Mr. Hiatt he was not available for the January meeting and recused himself from the case. Mr. Hiatt was then referred to another attorney, who he was not able to “get up to speed” with him.
- In a December 5 email, the attorney for Doka, asked his position on the project. After responding to him, he never heard any community outreach until yesterday.
- Made it perfectly clear to PZ Board members of a new owner for the GSG Investments properties (Eastern Metal-tenant) in addition to contacting the attorney for the new owner, who was not interested in a continuance at that time and now suddenly is present in the zoom room for this meeting.
- Mr. Hiatt states that even if his continuance request is denied, due to inadvertently using up his continuance last month, Board cannot produce any authorization of that, perhaps either Mr. George Garamy or Seth Malamut (Stag Industrial) could be granted a continuance.

Assistant Director for Community Sustainability Erin Sita had a request from Mr. Malamut to speak on the issue. As of this afternoon he had not requested a continuance.

Seth Malamut- In-house counsel for Stag Industrial based in Boston- Acknowledges they are not filed as an affected party. Having recently acquired the properties, he would only request a continuance because he does not have enough information on the project to determine if the new owner should or should not be concerned with the project. He has received some information provided by staff but is still unclear as to what is going to happen on the property. He has not spoken with his tenant (Eastern Metal Supply), Stag Industrial is a professional landlord. It is unknown if Eastern Metal Supply, which does not have a fee interest in the property, would have concerns about the use of the property in question.

Attorney Lisa Reves of Saul Ewing, Arnstein & Lehr, Co-Council for the applicant: - Mr. Hiatt received a continuance in December. Mr. Malamut should take up the issue with the seller. Umdasch-Doka property owners are ready to proceed and opposes the continuance request.

Board Attorney:

- Regarding Mr. Malamut's request for a continuance: Project applications must be moved along under State law; stacked multiple individual requests to continually, indefinitely, postpone projects were not the intention of the Ordinance.
- Regarding Mr. Hiatt's allegation that he never received correspondence: Mr. Hiatt requested and received a continuance prior to the question of a quorum. As the continuance was granted, staff did not continue to push for another member to be physically present at the meeting.
- On December 2 Mr. Hiatt spoke with E. Sita informing her he needed the continuance to get an attorney. Now, coincidentally, this time his chosen attorney, Mr. Thomas Baird, informed Mr. Hiatt he could not represent him in January so this is the reason for this continuance request.

The purpose of the Ordinance was to allow affected parties time to retain representation not to run the clock out on a project. It is within the Board's discretion to grant another continuance if they see fit.

Board: A. Marotta- Please address Mr. Hiatt's statement of questionable notice.

Assistant Director for Community Sustainability - The noticing referred to by Mr. Hiatt as being questionable, met and exceeded all legal time requirements for courtesy notices. It was consistent with regulations. Notices were sent in November and Mr. Hiatt expressed concern the notice was sent over the Thanksgiving holiday period, that the USPS did not make deliveries until the following Monday. The courtesy notices, which are in fact courtesy notices not required notices, were postmarked 13 days prior to the meeting, exceeding the minimum required by 3 days. Site signs were simultaneously posted on the site and the project was noticed in the newspaper.

As the December meeting was not opened to vest (preserve) that notice, courtesy notices were again sent on December 10, 2020 (for this meeting), along with the placement of new site signage placed and re-noticing in the newspaper.

Seth Malamut requests proof the previous property owner, GSG investments, received notice.

Staff can confirm, with the certificate of mailing, that the notice was sent to the previous property owner.

Board: J. Contin -The due diligence period prior to the acquisition of the GSG Investments property would have revealed this action was in progress. Finds it to be surprising this information wouldn't have been found during that time period. He is familiar with and does quite a bit of due diligence work in the course of his own profession.

Seth Malamut states one can only get the benefit of the disclosure provided by the seller. The seller would be obligated to forward the notice if it were in their possession. It will not go unnoticed.

Presiding Vice-Chair queries Board members as to additional questions of the affected party, Mr. Daniel Hiatt.

L. Starr questions if Mr. Hiatt is objecting to the project or asking for the continuance?

Staff: The question of an additional continuance is being addressed at this time. Should that be denied, Mr. Hiatt will make a presentation.

Board: D. Tanner asks if the Board is obligated to continue the item or are they able to move forward?

Board Attorney: The Board is within its right to move forward if they so choose and are not obligated to continue the case. A motion to deny or grant a continuance should be made.

Board: J. Contin – questions for purposes of clarity, that December was considered a continuance.

Affected Party: Mr. Hiatt – does not consider it a continuance, states staff does not have any documentation of his commitment.

Board Attorney:

- No documentation of a commitment is required. Mr. Hiatt never responded to the Board Attorney's emails. The fact that he did not respond does not mean the emails were not sent.
- The email to Mr. Hiatt stated December 16 or January 6 were dates being considered for the subsequent meeting giving him time to hire legal counsel. A formal response is not required. Once the continuance was granted, staff did not pursue getting a live quorum for the meeting.

Affected Party: Mr. Hiatt, in questioning the email, asks if the email mentions failing to get a quorum? Believes it is time to quit talking. If the Board is not in favor of granting a continuance at this time, how can it be explained that Mr. George Garamy requested and was denied a continuance? Let's close this out and give everyone some time. You can't kick everyone out. This is why the Ordinance was put in place, so this kind of nonsense would not happen. Who said what, what did they say. I am not responsible for making everybody happy.

Board Attorney: Staff did not pursue getting a live quorum after Mr. Hiatt requested the continuance. Prior to that staff was trying to get a live quorum.

Board: A. Marotta- please clarify the granting of the continuance was through that email.

Board Attorney: Yes, it was.

Board: L. Starr - When?

Board Attorney: On the day of the meeting December 2, 2020 @ 4:47 pm, she was forwarded the email from staff which questioned how Mr. Hiatt did not have notice when clearly the notice was sent. Around 4:54 pm when the Board Secretary, in place, was having difficulty getting a quorum, instead of having her continue to call and pursue getting a live quorum (all Board members have been witness to the practice before), and as the continuance request was in hand, the continuance was granted over the applicant's request to continue. The applicant still wanted to move forward.

Affected Party: Mr. Hiatt- States the email sent involved not having a quorum.

Board Attorney: The email stated you were granted a continuance.

Affected Party: Mr. Hiatt- Let's just say I'm disqualified, George Garamy, who never asked for a continuance in December, has also been denied a continuance at this time. The reason he (Mr. Hiatt) asked for the continuance was in November the notices are purposefully mailed by the applicant before a major holiday knowing the Post Office is not open in the days after a holiday. Since everyone has complained about that, the courtesy notice deadline has been

changed by the Ordinance too. Let's move on to George Garamy, stop wasting time on who said what.

Staff: E. Sita offers to shares the email on the screen.

Presiding Vice-Chair: Questions if Mr. Garamy's requested continuance was for the December meeting, or this meeting?

Assistant Director for Community Sustainability- spoke with Mr. Garamy and advised there is only one affected party ordinance for **all** affected parties. Otherwise it would cause indefinite postponements. This possibility and implications were discussed at City Commission.

Seth Malamut: Asks how Ms. Sita can advise the Board of the intent of the Ordinance?

Assistant Director for Community Sustainability states she was a co-author of the Ordinance and present during the City Commission discussion.

Staff: There is one 30-day continuance for all affected parties.

Board Attorney: The continuances do not stack allowing any issue to go on indefinitely. There is a State Statute on how long a project can be held up, this is belaboring the issue at hand.

Affected Party: Mr. Hiatt indicates in the email that Christina Morrison is solely a real estate agent with whom he is associated and managing a different portion of the Marlin Industrial Park when on November 25 she requested the staff report.

Board: D. Tanner - All told there was an additional 30 days to do the due diligence and build the case. D. Tanner motions to move forward with hearing the case. A. Marotta suggests denying the request for continuance.

Motion: D. Tanner moves to deny the request for a continuance; J. Contin 2nd.

Vote: L. Starr-Nay Greg Rice-Nay Bob Lepa – Nay Ayes- J. Contin, M. Humm, A. Marotta, D. Tanner. Motion passes 4-3.

A. PZB Project Number 20-01400035: Consideration of a Major Site Plan with Sustainable Bonus and Conditional Use Permit to construct a +/-47,000 square foot distribution facility and repair and maintenance uses within the Industrial Park of Commerce (I-POC) zoning district commonly referred to as "Umdasch/Doka" and located at 2209 7th Avenue North, PCN # 38-43-44-20-01-066-0010.

Staff Presentation: A. Meyer provides an overview of the proposed request. The property is zoned Industrial Park of Commerce. From the 1950's-1970 there was a landfill near the southern boundary of the property. Currently it is a vacant lot and undeveloped. The City designated the area a brownfield on March 3, 2009 with the adoption of Resolution 03-2009. The applicant has begun remediation through Florida Dept. of Environmental Protection. Structures on the property would be comprised of three (3) buildings: an office of approximately 10,150 sq. feet, warehouse and maintenance shop of 26,617sq feet and an 11,160 sq. foot canopy totaling approximately 47,927 square feet. The nature of business would be a distribution facility with repair and maintenance for safety and protection systems, sale and rental of concrete form work and miscellaneous parts and materials to contractors throughout Florida. Inspection of returning rental equipment will occur under the canopy, while repair will occur inside the maintenance building. The storage of equipment will be stored east of the building. Employee parking would be to the west, truck circulation will be to the east of the buildings. The entrance would be secured with gates and not open to the public. A lake is proposed on the southern end for

buffering, as well as a six (6) foot concrete fence on the southern and western boundaries. The 200-foot canal to the west provides buffering in addition to a six (6) foot concrete wall.

The Sustainable Bonus request for one additional foot will be to screen the rooftop equipment in the office portion of the building. The project was found to be in compliance with the City Comprehensive Plan, Strategic Plan and Land Development Regulations. Conditions of Approval are reviewed including those from Lake Worth Drainage District requiring bank stabilization.

Applicant: Louis Goldberg-Senior Facilities Manager for Umdasch USA dba as DOKA USA. It is crucial to have a good relationship with the neighbors. Similar to Lake Worth Beach, the Chicago site also borders residential neighborhoods. They provide concrete form systems, safety and protection systems both leased and sold. They would be relocating from Broward County. The project would bring approximately 50 jobs to just over 9.79 acres. A video of the Chicago facility is shown.

Attorney Lisa Reves of Saul Ewing, Arnstein & Lehr, Co-Council for the applicant: Approval is recommended by staff. Will provide @ 50 well paying jobs on 9.79 acres. The north extent of the site will house the office, warehouse and maintenance shop; to the south side of the building an open canopy for returning equipment inspections. More intense uses are oriented toward the rear of the building. There will be three (3) access points from 7th Avenue North. The westernmost entrance is for passenger vehicles only. The architecture is generally Modern and faces 7th Avenue North. Buffering tools include a precast six (6) foot concrete wall to the south and west. The eastern boundary will have a chain link fence. Hedging is also included along the western edge of the property

In response, rebuttal to Mr. Hiatt's comments, she offers the following information as shown on an email:

- On October 19, 2020-When asked to meet, Mr. Hiatt mentioned there would be no point in meeting with the applicant as he would never approve. His interest would be in having a larger project that would increase the value of his property.
- December 4 – when questioned what the objections were;
- December 5 – she was informed that they don't want our type of mess on the western boundary.
- December 30- from Thomas Baird asking applicant to postpone this meeting. Ms. Reves has offered to meet with everyone up until the time of this meeting and has been rejected on each occasion.
- Displays a photo taken@ December 30 through the fence from Mr. Hiatt's southern property 3694 23rd Ave S toward the Eastern Metal property depicting the exact use he is complaining about. Mentions there is an upcoming magistrate hearing with Mr. Hiatt's property on the docket.
- Displays a copy of the certificate of mailing showing both of Mr. Hiatt's properties received notification.

Presiding Vice Chair: Affected parties presentations shall now be heard.

Affected Party Mr. Hiatt: Having owned the property for 30 years, states the proposed use is not fitting in this Light Industrial area. It is a recycling center with dirty trucks in a small area. Pressure cleaning, sand and cement. Investigated the Pompano Beach site. Asked staff if they had driven down and investigated the Pompano site The presentation does not accurately reflect the activity west of I-95 in Pompano Beach, it is a mud pit. This property needs someone to

come in de-muck and clean up the soil contaminates and build some industrial buildings to generate tax base. They will most likely erect a lean-to, never generate any tax base, not planning on de-mucking just building over the dumpsite not going to properly develop. It all boils down to a truck stop and a garage. Small buildings, nothing but a nuisance. Going to need all the space 254 feet between his building and to the west to store all their junk. A six (6) foot fence cannot obscure a thirty (30) foot building. Did staff look at the site in Pompano or google the site in New Jersey which looks like a cesspool? They will do what they want. Believes the 50 jobs it is bringing is proportionally too small, in comparison to the 50 jobs in his buildings on less acreage. It is the last piece of prime industrial land and will become a nuisance. Mentions the Boutwell Road improvements and general improvement of the area. States they are buying at a discount because de-mucking is costly. The lake allows them to build what they want. Cleaning steel forms is messy and usually done with petrol based cleaning agents which will happen outside. Regarding his magistrate hearing, the city has suspended all code inspections on the interior and haven't gotten their annual thing. How will the pallets be secured prior to a hurricane? It would be better placed in the western communities of Palm Beach County or St. Lucie or Indian River counties.

Mr. George Garamy - States the aerial view of other sites do not correlate to the video. Does not show how the forms are cleaned. The traffic impacts will be enormous in addition to the cement dust and discharge into the canal. Eastern Metal takes everything inside during a hurricane, has concerns this might be difficult for the applicant to do, will it be taken in, strapped down or become flying missiles? It is incumbent upon the City to get the most bang for the buck for tax purposes, this development proposal seems to be less than half the potential. Is the discharge stormwater or treated water? Mentions to the northeast of the property, along Boutwell Road, new apartments are approved and anticipated to be built.

Christina Morrison – Manages the Marlin Commerce Center Condominiums to the east of the site. How can an accessory use (outside storage) be bigger than the structure, twice the size of the building? She and her tenants work very hard to keep their building clean and neat. Outdoor storage of that size in proximity to their building is concerning. It has not been disclosed what is being stored there. Outdoor storage typically involves run-off and trash. What are the activities? Regarding the cleaning of construction equipment, the applicants stated only water will be used but other sites use chemicals to clean the concrete off the equipment so why is this site different in that it will not use chemicals? How can damage be precluded or avoided? Joins the other affected parties in their concerns regarding dirt, dust and noise. This project limits the ability of the city to generate substantial taxes with an underdeveloped site. Does not meet the criteria for a conditional use approval in the City since these issues have not be addressed. The surrounding businesses are all clean, quiet businesses. Please deny the application.

Public Comment: Comments were received from the following and read into the record.

Carolyn Zara- 626 Koogle Road Mansfield Ohio, (no property owned in that name in Palm Beach County) – Expresses concerns against the proposal.

One Real Estate Investment LLC – 888 Brickell Ave. Miami, FL -Owners of Oakwood Apartments to the south of the proposed project – against the proposal.

Elise Crohn -402 Elizabeth Road – west of the proposed project – unincorporated Palm Beach County – against the proposal.

Speaking on their own behalf:

Robert Pouncey - President of Marlin Commerce Center Condominium the proposed height at 31 feet is not conducive to maintaining property values. The six (6) foot chain link fence will not help with the unsightly view from their second-floor windows when they have clients present. The video is impressionable but it doesn't reflect the businesses around these areas. Has concerns about the waterways. Not conducive for the businesses in his building. Please deny the site plan at this time, there are far more lucrative projects that could go at this location.

Seth Malumut – Does not know that he would object to the project but is in need of additional information. The Board should consider asking for additional materials/information such as traffic studies and to address the concerns that have been raised.

Attorney Neil Schiller of Saul Ewing, Arnstein & Lehr- Co-Council for the applicant:

Questions to A. Meyer:

- Is the parcel zoned Industrial?

A. Meyer confirms the zoning is Industrial Park of Commerce and the future land use is Industrial.

- Did staff find, after reviewing the staff reports and studies, that the proposal meets or exceeds all city requirements?

A. Meyer confirms that it is consistent with the City Land Development Regulations.

Questions to Louis Goldberg:

- Please explain how the forms are cleaned. Mr. Goldberg defers to Jared Wright, Southeast Operations Director.

Jared Wright – Oversees the owned facility in Atlanta and leased property in Pompano Beach. At the Pompano site, adjacent (unpaved) properties cause dust and/or mud runoff onto the asphalt resulting in a constant battle. In the DOKA owned facilities, the forms are cleaned indoors with the water captured in the recyclerator or discharged per local code.

- What is the difference between Pompano Beach and this facility?

Night and day, everything is exposed in Pompano, unlike the enclosed Atlanta facility which is how they like to operate.

- Talk about the New Jersey facility.

It is not a DOKA owned facility, that is also a leased facility. It is difficult to find land to purchase and develop in that area.

- Speak to the hurricane plan for this site.

Several days prior, everything lightweight is moved inside, heavier items are stacked on top of things that aren't moved inside keeping in mind that most items are well in excess of 100 lbs.. With the four (4) hurricanes that have come through, there have been no problems or issues with things flying around.

Questions to George Balaban P.E. of Kimley-Horn

- Give your expert opinion about the drainage.

The facility will have over 2,000 linear feet of exfiltration trench all over the property prior to discharge into the canal. It is more than sufficient drainage. South Florida Water Management and Lake Worth Drainage District both require permits.

Questions to Jared Wright-

- Discuss the traffic in Pompano Beach and Atlanta and what will happen at this site.

It takes nearly 45 minutes to unload a truck, at 10 trucks per day, that equates to a full day. On average they process about 10 trucks per day (5-6 departing and 4 arriving), it could be as high as 15 but that would be extreme. That would be an entire full working day with two (2) crews.

- Since we've heard about serving as the hub for the entire state of Florida, is it still the same 15 trucks?

The site will serve primarily the areas from the Tampa/Orlando and south. The panhandle is served by Atlanta due to proximity, so the entire state will not be served by this site.

- How long have you been with DOKA?

Eighteen years.

Attorney Neil Schiller advised the Presiding Vice Chair that Jared Wright should be identified as an expert witness in the operations of DOKA.

Questions to Adam Kerr – Traffic Engineer of Kimley-Horn

Adam Kerr – Traffic study was prepared, utilizing the approved rates by Palm Beach County and City of Lake Worth it will not be a significant increase or impact. As the site is in the Industrial Park of Commerce, it is also a (TCEA)Traffic Concurrency Exception Area meaning impacts have already been taken into account.

For the record all the evidence presented tonight has been through competent substantial evidence, which is the standard in quasi-judicial hearings, expressed through the testimony of the witnesses and the staff report.

Questions to Mr. Hiatt-

- Is it not true we spoke on Monday? Response: Yes
- In the conversation to address your objections and concerns, is it not true we, along with the client, agreed to meet and speak before or after this meeting?

Mr. Hiatt: Don't lead me, here's what happened. I suggested a postponement.

Attorney Neil Schiller: Again, is it not true we agreed to meet and speak? Response: No

Attorney Neil Schiller: Respectfully, that's not true. I did offer to meet with you.

Cross examination is leading. You will have your opportunity for the same.

Is it not true you also previously objected to projects on this site? Response: Yes

Affected Parties Questions for applicant and staff:

Questions from Mr. Hiatt - Did anyone from City staff from William Waters all the way down, visit the Pompano Beach site?

Response: Staff did not travel to Pompano Beach, review was based on the submittal documents.

Did anyone do a Google earth search to view an aerial of the site?

Response: The application and materials including a traffic study, site plan, landscape plan and other technical requirements were the basis for the recommendation. It was based upon the technical analysis.

Does anyone know when the site was annexed into the City?

Director for Community Sustainability: It was annexed into the City about 2004-2006.

Mr. Hiatt: County zoning granted it light industrial park, original owners were told nothing would change and they would be protected from these types of uses. In looking at the Plat that was approved back in the late 80's, he understands now that it is annexed it may be different, but thought it would remain light industrial. Has carpet layers, electricians, antique restoration, service people who live and work in the city. States the Board members were present for the recycling center proposal and doesn't even know why they are considering approving this project.

Board: The Board hasn't taken any action yet.

Mr. Hiatt states he is referring to staff.

Director for Community Sustainability: Prior to 2013 the zoning was low traffic industrial with much more intrusive, and intense uses than what is now allowed. Following three (3) years of review, initiated in 2010, it was rezoned in August of 2013.

Mr. Hiatt to Attorney Lisa Reves of Saul Ewing, Arnstein & Lehr, Co-Council for the applicant-

- Regarding his code violations, states the city is not coming out for inspections.

Lisa Reves: asks if there is a question for her? It is credible to say she was merely bringing it to the Board's attention.

Mr. Hiatt questions the relevancy. L. Reves states it does have relevancy.

Mr. Hiatt to Attorney N. Schiller-

Received a call about Monday noon from Mr. Schiller.

Attorney N. Schiller in returning his call at @ 4:14 pm, apologizes if it was not as expedient as Mr. Hiatt had hoped. Everyone swore under oath, he'll take his word regarding who called who first and did not return calls. He did speak to the applicant (client) who stated they could not afford another thirty (30) day delay further informing Mr. Hiatt he would make himself and his clients available on Tuesday, Wednesday morning as well as after this January 6 meeting.

Mr. Hiatt acknowledges refusing the offer. The notice mailings and ordinance cause these problems. The Affected Party Ordinance took months to pass.

Attorney N. Schiller states the notice issue is an important issue however Mr. Hiatt was just shown he had knowledge in September and October when L. Reves reached out to him. She reached out twice before the hearing.

Director for Community Sustainability clarifies the process with regard to Compassionate Code – Use and Occupancy inspections have continued as usual, only the interior inspections are carried over to the next cycle. Exterior inspections remain the same.

Mr. Garamy questions to Jared Wright:

How large is the Lawrenceville Georgia site? Response: It is a six (6) acre lot with a similar size building without the canopy.

In observing the Georgia site, it does not have the amount of forms, but the New Jersey site has a lot of forms and framework. How can there be that many trucks with less forms?

Response: The Lawrenceville site stores overflow from the Atlanta site, the Pompano Beach site mirrors it in size and volume.

Are the procedures the same from facility to facility? Response: the procedures are the same, the environment is different.

Christina Morrison questions to applicant or staff-

- Will the Pompano Beach site be closing? Respons: Yes.
- Will the dust and dirt will be left in Pompano? Response: Yes, the difference being the buildings will not be open-air, they will be owning a fully enclosed property.
- Why is it not being proposed as outdoor storage when the building is less than a third of the size?

Attorney L. Reves- It is not the size of the outdoor storage that determines the primary use. The storage is secondary to the office, engineering, design, sales and management activities.

Ms. Morrison renews her concerns about the proximity to clean uses.

Mr. Pouncey would like to add/emphasize the unsightliness of the fence as well as traffic issues. All existing and additional traffic will be going to 7th Avenue North (without the benefit of a spotlight). The best would be to stay small, light industrial.

Board members questions to applicants, affected parties and staff.

J. Contin- With regard to the repeated issue of water quality, have there been any reports submitted?

Staff: LWDD is a reviewer as well as SFWMD both requiring permits for discharge into the local waterways. City staff/ engineers have reviewed the plans for drainage. The exfiltration trench, in funneling into the lake will act as a secondary treatment which will then discharge to the waterway. Regarding PPM (parts per million) those entities are under the jurisdiction of the Florida Dept of Environmental Protection.

J. Contin- Is there anything other than water utilized for concrete removal (in general) Jared Wright confirms only pressurized water is utilized.

Staff: Staff has been notified by the State the applicant has agreed to remediate the existing brownfield site. The previous landfill will be remediated.

J. Contin – Is pleased the applicant is willing. Neil Schiller- Some of the cleanup has begun.

D. Tanner- how is the primary use determined? Is it based upon square footage?

W. Waters- There isn't a principal use of outdoor storage. Any outdoor storage regardless of size would be accessory to the principal use. For example, the parking of vehicles, whether employee cars or service trucks, would support and discharge the activities of the business thus making it an accessory use. Outdoor storage, in and of itself, does not occur on its own without a principal use.

Attorney Lisa Reves clarifies any misunderstanding regarding the primary use which is: engineered formworks kept on-site and then shipped to the job. The forms themselves are of no use without the engineering and design and office support.

D. Tanner – The engineering and office work could be done offsite. There is no direct connection between the office and the storage.

Attorney Lisa Reves -There is a direct connection. The engineering is performed here, the formwork is accessory to the main use of design and engineering work.

D. Tanner-Regarding the clarification of using the chemicals to clean the forms. Mr. Wright states only water is used, all materials are galvanized or steel.

D. Tanner – would the applicant be averse to increasing the barrier to minimize the dust, noise or visual screening? A big concern is seeing what's taking place, not an opaque barrier but noticeably more buffer.

Neil Schiller inquires of Louis Goldberg, the applicant/client, if he would be willing to go above the minimum requirements?

Attorney Lisa Reves- The applicant has already gone above code with the six (6) foot concrete cast wall and landscaping in excess of code.

Staff- The Condition of Approval will require the chain link fence, as depicted on the site plan, be an opaque fence or wall 6-8 feet in height.

Staff- full shielding is not required per code.

D. Tanner-asks if the height of the stored materials will be six feet or less?

Mr. Wright states the allowed height is governed by the Fire Marshall. The height in Pompano is fifteen (15) feet and it is variable by county.

D. Tanner – What are the specific imposed requirements by LWDD and SFWMD?

George Balaban, P.E.- the total suspended solids and nutrients should be treated prior to discharge. Those activities occur throughout the exfiltration trench and lake.

D. Tanner – for concrete? George Balaban there is no specific mitigation for the concrete.

D. Tanner- is it similar to marble/granite cutting? Mr. Wright – It's captured in the inside trench it falls, dries and then is thrown away via roll off dumpsters.

L. Starr - Does the E-4 connect to LW Lagoon (Intracoastal)? – Response: Yes, they are interconnected.

George Balaban, P.E. – The trench is an 8x6 foot percolation trench, which also provides filtration prior to reaching the canal. There is triple the amount of filtration required.

L. Starr– Is it monitored? George Balaban: Yes, in addition to renewing permits every five 5 years, a report must be filed

L. Starr – would the applicant be willing to do it more often? George Balaban- This is standard practice.

L. Starr – What type of repair work is conducted? Mr. Wright- Forms are metal with wood face, dents are pulled/ removed as well as repair to any damaged forms.

L. Starr- Client is already remediating the site without owning? Response: Yes, with permissions of property owner

L. Starr- what is the projected time frame for the project?

Mr. Louis Goldberg - Environmental remediation- The plan is filed and proposed to the FDEP, realistically within 16-24 months. A lot of site work is required prior to construction, the property must be de-mucked, fill will be brought in and the canal banks will be stabilized with rip rap.

L. Starr – Has there been a lot of environmental analysis on the property?

Applicant Louis Goldberg- has spent a lot of money with testing and assessments.

George Balaban, P.E. – Groundwater modeling will be required to ensure compliance.

William Waters – Has received preliminary funding for Brownfield remediation. Was contacted by Chris Burroughs to set up an advisory committee including Ms. Christina Morrison and Mr. Daniel Hiatt. In which case they would have been advised as early as September of last year that the property was about to undergo changes.

Louis Goldberg wants to rehabilitate the site and for it to be as clean a site as possible and will take the steps to be in compliance. Based on what is found when clearing, that will determine how it is handled.

Board: L. Starr – Mr. Pouncey stated he had two (2) story units,

Mr. Pouncey - Marlin Commerce Center is condo type construction. In his unit the north building next to the property. Although the site is overgrown right now. Ms. Reves showed a six (6) foot concrete wall that did not come to the adjacent property line. With the windows in the second floor, the view could be impactful.

Neil Schiller states the Condition was already stated for an opaque fence of 6-8 feet per code with landscaping.

Mr. Pouncey- It does not cover even with 6-8 feet in height; does not want to look at the big open field, from his northside of the building it would be at most 12 feet of landscape and Marlin Commerce Center fence.

Lisa Reves states Laurel Live Oak Wax Myrtle and Cocoplum Hedge will compose the plantings in that area. There is a good bit of distance between that building and the storage.

Staff: Mr. Pouncey's building is situated roughly 100 foot east and 40 feet south of the property lines.

Board: A. Marotta – For the city attorney – should the Board factor in the claims for not being the best tax use? Response: No

The Sustainable Bonus is for just 1 foot in height to disguise the rooftop equipment.

Confirmed that this the same site seen by Board @ year ago.

Board: A. Marotta to the Applicant -Mr. Hiatt stated in testimony this is nothing but a recycling facility, please address the concern.

Neil Schiller-It is not a recycling facility, as he is attorney for Solid Waste Authority for PBC, he knows recycling. The dust and dirt are germane to the Pompano site due to the unique nature of the neighbors. It is a distortion of the truth to state it is a recycling center and an attempt to reflect negatively on the applicant and business.

Louis Goldberg- Heard it referred to as a trash dump/recycling center. They are an international organization. It is imperative to know where everything is, to have it neat and orderly, it becomes difficult to be a successful operation. To say otherwise is a fabrication of the truth.

Jonathan Haigh Landscape Architect for applicant- On the southeast property buffer there will be a hedge and smaller trees due to planting adjacent to power lines. Twelve feet in height at time of planting of Silver Buttonwood and Wax Myrtles. Please note the north wall of the building to the south is windowless and the sight cannot be seen from the building.

Board: A. Marotta asks about the noise. Mr. Wright responds- Forklift noise outside, the pressure washing and saw noise will be inside. The doors facing the storage yard will be open during hours. Louis Goldberg indicates the decibel levels will be well within City ordinance levels. Hours of operation will be 7-4:30 Monday to Friday occasionally on Saturday.

Presiding Vice-Chair: In 30 seconds or less from each of the affected parties, what type project on the site would they not object to?

D. Hiatt- supported Goodwill building; nice buildings everywhere up and down Boutwell;

G. Garamy – High-tech light industrial similar to what is in the Marlin Industrial Park. Increases tax base and protects his investment.

C. Morrison – more light industrial, small bay users. The highest demand at this time.

R. Pouncey – light industrial. This one takes up a lot of property and don't want to look at it.

Board: L. Starr -How many forklifts will be operating on the property? where will they be stored? Discuss the window view from Mr. Pouncey's building.

Mr. Wright- There will be eight to nine LP (not diesel) forklifts stored inside at night.

Jonathan Haigh, Landscape Architect – The adjacent building does not have windows on the north or west side of the building.

Board: L. Starr– Is that in reference to Mr. Pouncey's building? She thought she heard him say he could see from the second floor.

Mr. Pouncey – States he does not have a window in his unit. Other units face east and south. Cannot recall if there are windows on the northside. Perhaps Christina Morrison, Property Manager, can answer that question.

Board: G. Rice – Wishes the coconut telegraph would work better; although people are very passionate, there can be misinformation. The property does not belong to Lake Worth Beach, these are two (2) private entities. There is no CRA involvement so the tax dollars go to the city coffers. If the owner could get more money for he property he would certainly have done so. In the long run it will be for the betterment of Lake Worth Beach. They will certainly take care of their investment. Is confident the City will guard the wellbeing of the water as well as the Blueway Trail running the length of the county.

Board: R. Lepa – Regarding environmental follow up every five years. From the drainage standpoint it is 5 years. Environmental monitoring occurs every quarter for a minimum of one year after which as required by Palm Beach County thereafter. How many jobs will be created or will those jobs be moving north? The concrete that is washed off, is it recycled or trashed?

Mr. Wright- It will be trashed. They pay for removal (in roll off's) Warehouse and Office jobs will be locally sourced.

What will the tax base be once all is complete?

Lisa Reves – Total capital investment 16 million.

Board discussion: J. Contin -It is a positive move all things considered. Someone else would have already taken advantage of the site if there was interest. The brownfield cleanup is major plus as many do not have the means to do so.

M. Humm- A bird in the hand is worth a couple in the bush. It is not as dirty of an operation as it was originally seemed.

D. Tanner, L. Starr, G. Rice, B. Lepa ready to vote.

A. Marotta – To get a brownfield off the books is great. It is not within Board purview to dictate what goes there. As previously stated, someone else would have already taken advantage. It's not a skyscraper and might come down in 10-15 years and become something else.

Motion: D. Tanner moves to approve PZB 20-01400035 with staff recommended Conditions, with the project meeting the applicable criteria based upon the data and analysis in the staff report; G. Rice 2nd.

Vote: Ayes all, unanimous.

5 minute break 10:09 pm to reconvene.

B. PZHP 20-03100008 (Ordinance 2020-20): Consideration of an ordinance to Chapter 23 “Land Development Regulations” regarding changes to temporary uses, home occupations and several minor modifications related to development standards for parking and accessory dwelling units, and maintenance easements on zero lot line properties.

Staff: E. Sita presents an overview of the proposed changes to the Land Development Regulations. They include:

Access easements for zero lot lines, review standards and permit processes for Temporary Uses, modifications to the Use Table, Clarification of Standards, Home Occupations in Mixed Use zoning districts, and off-street parking for accessory dwellings and in lieu of fees.

Access easement for zero lot line lots allowing for a three (3) foot (Exhibit A & G)

Temporary Use is a new section (Exhibit B) permits and administration. (Exhibit B)

Use tables has been modified to include that section. (Exhibit C)

Clarification of size and construction standards for accessory dwelling units. (Exhibit D)

Home Occupations in Mixed Use districts only- additional flexibility; Type11 (Exhibit E)

Clarifies the parking requirements for accessory dwelling units and the parking in lieu of fee is available for the City core ((only downtown (Exhibit F)).

Board: J. Contin-asks for specifics on changes to Home Occupations? W. Waters states it was propelled by Covid-19 in finding more creative ways to accommodate working from home. The norm is no clients in the home. This would allow more flexibility within the Mixed-Use zoning district only at this time with possible future changes to other districts but not likely for Single-Family zoned districts. It would come with restrictions and limitations including the maximum percentage (square footage, no more than 50 % of the space) that could be utilized, would involve inspections. Examples: Accountant, Architect, Attorney, Media, Public Relations. Professional offices only, it is reflective of the current direction of the economy with regard to entrepreneurs who cannot afford a leased office. E. Sita adds that HOA’s and property management companies would continue to approve/disapprove the business types.

L. Starr – Restrictions on signage for business vehicles? Staff: Although silent in this section, it is governed in other areas of the code.

A. Marotta – regarding exhibit D- size of accessory dwelling unit and parking standards.

W. Waters - The smallest size for a studio dwelling is 400 square feet. Housing code continues to prescribe minimum area size for sleeping and living areas. Accessory dwelling units are allowed everywhere except Single-Family zoning districts.

Street parking is currently allowed to be counted towards parcel parking and would be allowed to count for the home occupations as well. William – it is in mixed use districts is due to already existing parking. The changes are not intended to supercede a HOA

Motion: D. Tanner moves to recommend adoption of PZB 20-03000008 to City Commission; J. Contin 2nd.

Vote: Ayes all, unanimously.

PLANNING ISSUES: None

PUBLIC COMMENTS (3 minute limit) None

DEPARTMENT REPORTS: None

BOARD MEMBER COMMENTS: None

ADJOURNMENT: Motion to adjourn J. Contin; D. Tanner 2nd. **10:36 pm**



Reply To: West Palm Beach

February 14, 2021

William Waters, Director of the Community Sustainability Department
City of Lake Worth Beach
7 North Dixie Highway
Lake Worth Beach, FL 33460

RE: APPEAL BY AFFECTED PARTY MARLIN INDUSTRIAL PARK OWNERS’ ASSOCIATION INC.
PZB Project Number 20-01400035: Major Site Plan Approval, Bonus & Conditional Use Permit

Dear Mr. Waters:

We have been retained to represent the Marlin Industrial Park Owners Association and its representatives, George Garamy, President and Daniel Hiatt, Vice President (“Petitioner” and “Petitioners”). Mr. Garamy has filed for this appeal on behalf of Marlin Industrial Park, which is located at 2209 7th Avenue North in the City of Lake Worth Beach. Marlin Industrial Park is adjacent to the east side of the mixed-use project that is the subject of PZB Project Number 20-01400035 (“Project”).

The Project was initially scheduled for a hearing on December 2, 2020 before the decision-making body, the City’s Planning and Zoning Board (“Board”). Since the Board did not satisfy the quorum requirements for its December meeting, City staff postponed all items on the meeting agenda to the Board’s next regularly scheduled meeting on January 6, 2021. The Petitioners were recognized by the City as affected parties and presented evidence at the January 6th hearing. The Board issued its written decision approving the Project on January 15, 2021. The Petitioner filed a Notice of Appeal within 14 days as required by the City’s Code. This letter is the basis for the appeal, which is required 30 days after the Board issues its written decision.

As an initial matter, it must be noted that Umdasch Real Estate USA, Ltd. (“Applicant”) has not met the requirements to do business in the State of Florida. Applicant is a foreign corporation based out of New Jersey. Section 607.1501(1), *Florida Statutes* requires all foreign corporations transacting business in Florida to obtain a certificate of authority from the state. There is no evidence in the record that the Applicant has received the required certificate of authority. It is a matter of public record that the Applicant is not listed as an active business on the Florida Division of Corporations website (Sunbiz.org). The Applicant submitted its application to the City on August 12, 2020. Therefore, the Applicant’s communications with the City with respect to this application have exceeded 30 days and constitute the

JACKSONVILLE
245 Riverside Ave., Suite 510
Jacksonville, Florida 32202
T: 904.353.6410
F: 904.353.7619

ST. PETERSBURG
100 Second Ave., South
Suite 501-S
St. Petersburg, Florida 33701
T: 727.245.0820
F: 727.290.4057

TALLAHASSEE
315 South Calhoun St., Suite 830
Tallahassee, Florida 32301
T: 850.222.5702
F: 850.224.9242

TAMPA
301 West Platt St.
Suite 364
Tampa, Florida 33606
T: 813.775.2331

WEST PALM BEACH
515 North Flagler Dr., Suite 1500
West Palm Beach, Florida 33401
T: 561.640.0820
F: 561.640.8202

February 14, 2021

Page 2

transaction of business within the meaning of the statute. Any further communications between the City and Applicant must cease until Applicant obtains a certificate of authority from the State of Florida. For this reason alone, this application should be remanded to the Planning & Zoning Board for a new hearing, but only unless and until Applicant has registered to do business in Florida, as required by the F.S. § 607.1501(1).

A summary of the basis of the Petitioner's appeal is as follows.

1. The Planning and Zoning Board's decision to deny the Petitioner's request for a continuance does not follow the essential requirements of the City's Code

The Board did not follow the required procedures for continuing a hearing as provided in section 23.2-16 "Quasi-judicial procedures" (as amended by Ordinance 2020-14). This section provides that the Board has the authority to continue a hearing and that hearings shall be continued by motion of the Board to a fixed time and place:

g) Continuance. The ***decision-making body*** may, on its own motion, continue the hearing to a fixed date, time and place. Also, the applicant or affected party shall have the right to one (1) continuance provided the request is to address neighborhood concerns or new evidence, or to hire legal counsel or a professional services consultant, or the applicant or affected party is unable to be represented at the hearing. ***The decision-making body will continue hearing to a fixed date, time and place.*** However, all subsequent continuances shall be granted at the sole discretion of the decision-making body. ...

On December 2, the Petitioner sent an email requesting a continuance of the hearing on this Project that was scheduled for the Board's December meeting. Petitioner is entitled to this continuance by right. Nevertheless, the City's Code requires the Board to continue hearings by motion. There is good reason for this requirement. When a board continues a hearing by motion, it creates a record of the requested continuance and provides notice to the public of the new hearing date.

Here, the hearing that was scheduled for December 2, 2020 did not take place because the Board did not meet the quorum requirements for its meeting. In response to its request for a continuance, the Petitioner received an email from the City Attorney advising the Petitioner that she consulted with Board members on their availability and that the hearing would be continued to the Board's regular January 6, 2020. (See e-mail attached as Exhibit A.) The City Attorney's e-mail does not meet the requirements for granting the Petitioner, an affected party, a continuance as required by the City's code as noted above. Furthermore, the letter does not include a fixed time and place as required by the City's code. The City Attorney's e-mail was merely an administrative rescheduling of the December 2 Board meeting which was cancelled for lack of a quorum. The fact that the hearing was postponed for lack of a quorum does not substitute for or satisfy Petitioners' right to a continuance under the City's Code.

However, despite the fact that the Petitioner was entitled to a continuance by right at the January 6th Board meeting, the Board made a motion to deny the Petitioner's request for a continuance. Thus, it did not follow the essential requirements of the City's code. In addition, the Board's failure to grant

February 14, 2021

Page 3

Petitioner a continuance as provided by the City's Code was a violation of the Petitioner's due process rights. For this reason, the Project approval must be rescinded, and the Project application must be remanded to the Board for a new hearing, where Petitioner will be properly represented by Counsel.

2. Site circulation and building placement will result in significant adverse impacts to the Petitioners' property which will reduce its value

The Applicant failed to meet its burden to show by competent substantial evidence that it meets all site design qualitative standards as required by Section 23.2-31 of the Lake Worth Beach Code. Specifically, it failed to provide sufficient evidence that the site design met the development standards that loading and vehicular circulation areas be located, designed and screened to minimize the impact of noise, glare and odor on the Petitioner's adjacent property as required by Section 23.2-31(c)(11). It also failed to provide sufficient evidence that the site design would not have a negative impact on the value of Petitioner's property as required by Section 23.2-31(c)(13).

Daniel Hiatt testified that the site design, which directed all large truck traffic to the interior roadway on the eastern edge of the Project, would result in significant adverse impacts to the Marlin Industrial Park which is directly adjacent to this interior roadway. He also testified that the proposed screening material on the eastern property line of the Project was not a sufficient buffer to minimize the noise and odors emitted by the large trucks anticipated to be circulating on the site. In fact, the Applicant's operations manager, Jared Wright, testified that the number of trucks entering the site would be up to 10 a day, which means that trucks would be passing behind the tenants who are renting out bays on Petitioner's property on an hourly basis.

The Applicant provided no evidence as to how it intended to mitigate the noise and odor from the great number of trucks anticipated to be used in their operations. The Applicant's representative Lisa Reves testified that a buffer was not required on the eastern property line since the noise would not be an issue for the Petitioner's tenants. Ms. Reves statement was based on an engineer's report attached to the Applicant's December 18th letter to the City. (See attached as Exhibit B.) However, the engineer's report is limited to the sound of forklifts only. It does not address noise from the truck traffic. In fact, the noise thermometer attached to the engineer's report indicates that the noise resulting from a diesel truck accelerating is 114 dB, which is categorized as "extremely loud". Therefore, the Applicant's own evidence supports a finding that the site plan design does not provide sufficient buffer from the noise and odor anticipated from the truck traffic.

In addition, City staff did not provide sufficient evidence that the design of the site plan would help minimize the negative impacts to the Petitioner's property. City staff's analysis of the Project's impacts of noise, glare, odors, and property values was limited to the single-family and multi-family residences to the west and south of the Project. (See Staff report, Page 7.) City staff testified that a condition was added to the Project to require the Applicant to install fencing 6 to 8 feet in height made of opaque material on the eastern property line to screen the view of the outdoor storage area. However, City staff did not impose any conditions that would help buffer the noise and odor from the truck traffic, such as additional landscaping or a concrete wall consistent with screening materials added to the Project's western or southern property lines. The noise and odor from the constant procession of large trucks so close to the Marlin Industrial Park will significantly reduce the value of Petitioner's property.

3. Conditions imposed on the Conditional Use Permit are not sufficient to not mitigate the significant adverse impacts of the Project

The Applicant failed to meet its burden to show by competent substantial evidence that it meets all the required findings for approval of a conditional use permit as required by Section 23.2.-29 of the City's Code. The City's Code states that conditional uses are deemed to carry the potential for adverse impacts and can only be approved if all the required specific findings set forth in Section 23.2-29(e) have been met. Specifically, the Applicant failed to meet its burden to prove it met the required findings regarding the adverse impacts of noise and air pollution.

Code section 23.2-29(e)(3) requires that the conditional use will not produce significant air pollution emissions. Staff relied on the Applicant's statement that no fabrication or manufacturing would occur on site to conclude that the Project was not anticipated to produce significant air pollution emissions. (See Staff report, Page 11.) However, Petitioner George Garamy provided competent substantial evidence that the Applicant's operations are anticipated to produce air pollution in the form of excessive dust. Mr. Garamy testified that he had viewed satellite images of Applicant's similar operations in North America, including Pompano Beach, New Jersey, and Atlanta, and that these images showed that the pavement of the storage yards is covered with dust and that the dust is carried out to the surrounding roadways when the trucks leave the facilities. The fact that the dust was visible on a satellite image indicates that the amount of dust created by the Project operations is substantial. Neither City staff nor the Applicant refuted Mr. Garamy's testimony. In fact, the Applicant's operation manager, Jared Wright, admitted that its facility in Pompano Beach is "a mess". Instead of taking appropriate action to clean up the Pompano Beach facility, the Applicant simply stated that the proposed facility will be better. But in light of their poor performance in Pompano Beach, what assurance does the City have that operations in Lake Worth Beach will be any better? Absolutely none. Based on the testimony of Mr. Garamy and Mr. Wright, the Board could not have made a finding that the proposed use will not produce significant air pollution emissions.

Secondly, Code Section 23.2-29(e)(7) requires that the conditional use will not generate significant noise or will include conditions to mitigate the anticipated noise and meet all the requirements of the City Code related to unreasonable noise in Section 15.24. This section defines unreasonable noise as between 65 dba and 85 dba depending on the time and requires noise to be measured from the curb or property line closest to the source of noise with a 30-second reading using an A-weighted filter or a C-weighted filter, constructed in accordance with the specifications of the American National Standards Institute. The engineer's report provided by the Applicant regarding the noise impacts (see above) is limited to forklift operations only and does not state whether the study conforms to the City requirements. In its analysis, City staff concluded that the Project was appropriately conditioned to prohibit generating noise levels that exceeded the levels required for unreasonable noise. (See City staff report, Page 12.) Yet, without an appropriate measurement as to the general level of noise to be generating from all of the Project's operations, not just forklift use, it would be impossible for staff to define conditions adequate to mitigate the anticipated noise.

February 14, 2021

Page 5

4. The Project is not consistent with the goals of the City's comprehensive plan or strategic plan

The Applicant failed to meet its burden to show by competent substantial evidence that the Project was consistent with the goals of the City's comprehensive plan to create a quality industrial park in the area or with the goals of the City's strategic plan to create jobs and a stable tax base.

Mr. Hiatt testified that in his opinion as a commercial landowner in Lake Worth Beach, the Project site was underdeveloped and ultimately deprived the City of potential tax revenue. In support of his opinion, Mr. Hiatt stated that he owns multi-unit buildings that are between 15,000 and 20,000 square feet each. Each one of these buildings has 10 to 15 small businesses which contribute to the City's tax base. He also testified that he owns several one-acre sites that contain buildings approximately 15,000 square feet in size. There are approximately 50 to 60 people working in each of these buildings. Based on Mr. Hiatt's testimony, ten acres of industrially zoned land in the City can create up to 600 jobs when developed to its full potential. In contrast, the Applicant testified that the Project, which consists of a ten-acre site, would create only 50 jobs. This is much less than the site's potential. Therefore, the Project is not consistent with the City's goals to create jobs and a stable tax base.

For the reasons noted herein, the City Council should 1) rescind the Board's denial of the Petitioner's request for a continuance, 2) rescind the Board's Development Order for the Project, and 3) remand the Project application to a new hearing before the Planning and Zoning Board, at which Petitioners may be represented by the undersigned legal counsel and retain experts to further support the basis to deny the subject application.

Sincerely,

Alfred Malefatto, Esq. and Janice Rustin, Esq.
Counsel for Petitioner

EXHIBIT A

From: [Pamala Ryan](#)
Sent: Friday, December 4, 2020 1:54 PM
To: [Erin Sita](#); [Daniel Hiatt](#)
Cc: [Sherie Coale](#)
Subject: RE: PBZ PROJECT #20-01400035

Good afternoon. I have consulted with staff who has consulted with board members on availability and the hearing will be continued to the regular January 6, 2020 meeting. Please feel free to advise staff (or me through your attorney, if appropriate) if you have any questions regarding your status as an affected party.

Have a good weekend.

Pamala H. Ryan
Board Certified in City County & Local Govt. Law

TORCIVIA, DONLON & GODDEAU, P.A.

Northpoint Corporate Center
701 Northpoint Parkway, Suite 209
West Palm Beach, FL 33407
(561) 686-8700
(561) 686-8764 fax
pryan@forcivilaw.com
www.torcivilaw.com

THE INFORMATION CONTAINED IN THIS TRANSMISSION IS ATTORNEY PRIVILEGED AND CONFIDENTIAL. IT IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE COLLECT AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. WE WILL REIMBURSE YOU FOR YOUR EXPENSES. THANK YOU.

From: Pamala Ryan
Sent: Wednesday, December 02, 2020 6:05 PM
To: Erin Sita <esita@LakeWorthBeachfl.gov>; Daniel Hiatt <danielhiatt@bellsouth.net>
Cc: William Waters <wwaters@lakeworthbeachfl.gov>; Sherie Coale <scoale@lakeworthbeachfl.gov>
Subject: RE: PBZ PROJECT #20-01400035

Mr. Hiatt, so that there is no confusion, the city is looking at advertising the hearing for either December 16, 2020 or January 6, 2020. We will advise you tomorrow but that gives you time to hire legal counsel. Thank you.

Pamala H. Ryan
Board Certified in City County & Local Govt. Law

TORCIVIA, DONLON & GODDEAU, P.A.

Northpoint Corporate Center
701 Northpoint Parkway, Suite 209
West Palm Beach, FL 33407
(561) 686-8700
(561) 686-8764 fax
pryan@forcivilaw.com
www.torcivilaw.com

THE INFORMATION CONTAINED IN THIS TRANSMISSION IS ATTORNEY PRIVILEGED AND CONFIDENTIAL. IT IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE COLLECT AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. WE WILL REIMBURSE YOU FOR YOUR EXPENSES. THANK YOU.

From: Pamala Ryan
Sent: Wednesday, December 02, 2020 5:54 PM
To: Erin Sita <esita@LakeWorthBeachfl.gov>; Daniel Hiatt <danielhiatt@bellsouth.net>
Cc: William Waters <wwaters@lakeworthbeachfl.gov>; Sherie Coale <scoale@lakeworthbeachfl.gov>
Subject: RE: PBZ PROJECT #20-01400035

Mr. Hiatt,

The city is in receipt of your request. Are you stating that you did not get notice via US mail although courtesy notice was delivered in accordance with the city's code? It is my understanding that your property manager, Christina Morrison, was aware no later than November 25, 2020 when she sent an email to city staff requesting the staff report. Under the code, an affected party must give five days' notice.

Having said that the city will continue this case to no later than January 6, 2020. A date is being determined now and you will be notified expeditiously via email, mail and legal notice. The city will send you an affected party status form for either you or your attorney to fill out.

Thank you.

Pamala H. Ryan
Board Certified in City County & Local Govt. Law

TORCIVIA, DONLON & GODDEAU, P.A.

Northpoint Corporate Center
701 Northpoint Parkway, Suite 209
West Palm Beach, FL 33407
(561) 686-8700
(561) 686-8764 fax
pryan@torcivialaw.com
www.torcivialaw.com

THE INFORMATION CONTAINED IN THIS TRANSMISSION IS ATTORNEY PRIVILEGED AND CONFIDENTIAL. IT IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE COLLECT AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. WE WILL REIMBURSE YOU FOR YOUR EXPENSES. THANK YOU.

From: Erin Sita [<mailto:esita@LakeWorthBeachfl.gov>]
Sent: Wednesday, December 02, 2020 4:51 PM
To: Daniel Hiatt <danielhiatt@bellsouth.net>
Cc: Pamala Ryan <pryan@torcivialaw.com>; William Waters <wwaters@lakeworthbeachfl.gov>
Subject: RE: PBZ PROJECT #20-01400035

Thank you Mr. Hiatt, I received your request and have forwarded it onto our board attorney.

Erin F. Sita, AICP
Assistant Director | Community Sustainability Department



City of Lake Worth Beach
1900 Second Avenue North
Lake Worth Beach, FL 33461
V: 561-586-1617
esita@lakeworthbeachfl.gov
www.lakeworthbeachfl.gov

Departmental Operating Hours

Monday – Friday 8:00 am – 4:00 pm

“We are LAKE WORTH BEACH. A hometown City that is committed to delivering the highest level of customer service through a commitment to integrity, hard work and a friendly attitude. We strive to exceed the expectations of our citizens, our businesses, our elected officials and our fellow employees.”

From: Daniel Hiatt <danielhiatt@bellsouth.net>

Sent: Wednesday, December 2, 2020 4:47 PM

To: Erin Sita <esita@LakeWorthBeachfl.gov>

Subject: PBZ PROJECT #20-01400035

Caution: *This is an external email. Do not click links or open attachments from unknown or unverified sources.*

Dear Ms Sita

I would like to apply for affected party status on the above named project (PZB # 20-01400035)

I also would like to request a minimum of a 30 day postponement on this matter.

My property is directly east of the subject property. Located @ 3599 23rd Ave South, Lake Worth Fl.

LOT # 7 MARLIN INDUSTRIAL PARK.

Thank You Daniel W. Hiatt. 561-389-1989

Sent from [Mail](#) for Windows 10

EXHIBIT B

December 18, 2020

William Waters, Director
Community Sustainability
1900 Second Avenue North
Lake Worth Beach, FL 33461

Mr. Waters,

Thank you for forwarding the comments and concerns received from business owners and residents regarding Umdasch/Doka's development application. Upon review of those comments and concerns, it is apparent that there is a misconception about the proposed use of the site and I appreciate the opportunity to clarify the issues.

USE OF SITE

Doka USA Ltd., is an international leader in developing, manufacturing and distributing formwork technology for use in all fields of construction. While the activities at our property have been outlined in our application, we appreciate the opportunity to elaborate on the activities proposed for the Lake Worth Beach facility. The proposed site utilization has three main components: office operations, yard operations and maintenance facilities.

The office operations houses our engineers, sales, operations, logistics and management staff. It is here that Doka engineers design formwork to accomplish our clients construction goals.

Once our engineers complete a design, yard operations utilize a forklift to gather and load the necessary equipment, from our storage yard onto trucks for transportation to construction sites. Trucks access the site from 7th Avenue North approximately 850 feet from the Oakwood Apartments to the south of the site and in excess of 510 feet to the properties to the west of the E-3 Canal. The loading and unloading of equipment can take up to an hour to complete. Therefore, truck engines are required to be turned off during the loading and unloading process. It is anticipated that this facility will load ten to fifteen trucks daily.

Once the construction is complete the equipment is received and inspected by yard operations. Items returning from a jobsite, are unloaded in a designated area near the warehouse where they are timely inspected and any maintenance, repair and/or cleaning of the formwork is performed within the warehouse before being returned to the storage yard.

This facility is not proposing a retail business, so there will be minimal foot traffic and vehicles accessing the site will be limited to employees and trucks transporting the formwork to and from jobsites.

POLLUTANTS

A number of comments and concerns received, included the concern that the chemicals used for cleaning the formwork will runoff into the pond and drain into the E -3 Canal. Cleaning of the formwork does not include the use of chemicals only water and a pressure washer. Moreover, formwork cleaning, runoff, and drainage of any water will be done in strict accordance with the rules and regulations of the City of Lake Worth Beach, the Lake Worth Drainage District, Palm Beach County and the State of Florida. Doka's operation does not use or generate any hazardous substances.

Doka takes pride in its operations and that pride includes the cleanliness of our sites. Our facilities generate very little debris or refuse and all refuse is collected in trash receptacles (as noted on site plan) and collected per local trash collection regulations. Contrary to some of the comments and concerns received by the city, Doka has not become the international leader in formwork by running a "junkyard". To the contrary, it is imperative for Doka to run its operation and storage yard in a clean and orderly fashion, so material can be readily identified and loaded onto trucks.

The storage yard has a paved surface which allows the forklifts to operate efficiently and will keep dust levels to a minimum. Additionally, the inventory stored outside is neatly stacked in rows so that it is easily accessible for future jobs.

The following photographs are aerial of Doka's Baltimore and Houston facilities, respectively and demonstrate the standard by which Doka maintains its sites.





NOISE

There should be very little noise intrusion from our operations. Forklifts will operate within required sound parameters set forth by the City of Lake Worth Beach. All maintenance is performed within the warehouse and will not impact surrounding properties. Further, attached hereto, is a memorandum from Jesse Cokeley, a licensed engineer, outlining his research regarding forklift operation and the noise created on site, all of which fall within the acceptable noise level range for the City of Lake Worth Beach.

SITE LIGHTING

Doka is proposing business hours from 7:30 a.m. until 4:00 p.m. Monday through Friday and if needed Saturdays 7:30 a.m. until noon. Since the hours of operation are daylight hours there is not a need for a large amount of site lighting but, Doka is working with both an engineer and the city to design a lighting plan that will not be disruptive to the surrounding properties and will be acceptable to the City of Lake Worth Beach.

CANOPY

The outdoor canopy area will be used for storage of items that require protection from inclement weather such as plywood and small parts. There will be some inspection of equipment that occurs in this area but, there will be very little work performed in the canopy area.

SUMMARY

As stated in the staff report, the Doka facility/use will be a relatively low level of intensity. We are not operating at all hours of the day, our projected traffic amount is a fraction of what is permitted, there are no heavy industrial or manufacturing uses being employed, there is little noise, no chemicals and, we are going to install a beautiful buffer with trees and shrubs surrounding the property. We have several existing facilities in the United States which border residential neighborhoods and Doka maintains excellent relationships with all of those communities. We consider our relationships with our neighbors and the towns we work in extremely important, since we are a family-owned business which emphasizes involvement in the communities. In fact, it is our experience that residents in the surrounding communities are often our future employees. Therefore, maintaining a good relationship with the surrounding community is of paramount importance to the success of our business.

Sincerely,

/s/ Lisa A. Reves

Lisa Reves, Esq.

sb

Enclosures



Engineers
 Planners
 Surveyors
 Landscape Architects
 Environmental Scientists

50 Chestnut Ridge Road, Suite 101
 Montvale, NJ 07645
 T: 845.352.0411
 F: 845.231.6321
 www.maserconsulting.com

MEMORANDUM

To: Louis Goldberg

From: Jesse B. Cokeley, P.E.

Date: November 30, 2020

**Re: Noise Attenuation Memo
MC Project No. 16002631A**

Noise is typically measured in decibels. The noise level perceived by listener is related to the distance from the source of the noise. This is known as the inverse square law which simply means, for every doubling of the distance from a noise source the sound pressure will diminish by 6 dB.

The formula for Sound Attenuation is as follows:

$$SPL_2 = SPL_1 - \left[20 \log_{10} \left(\frac{R_2}{R_1} \right) \right]$$

Where:

SPL₁ = Known sound pressure level (dB) at the first location (typically measured data or equipment vendor data)

SPL₂ = Unknown sound pressure level (dB) at the second location

R₁ = Distance (ft.) from the noise source to location of known sound pressure level

R₂ = Distance (ft.) from noise source to the second location

The average noise level for a forklift is 87 dB at the source. Therefore, SPL₁ = 87 dB.

We assume the source point is at the center of a standard forklift. Therefore, R₁ = 2 ft.

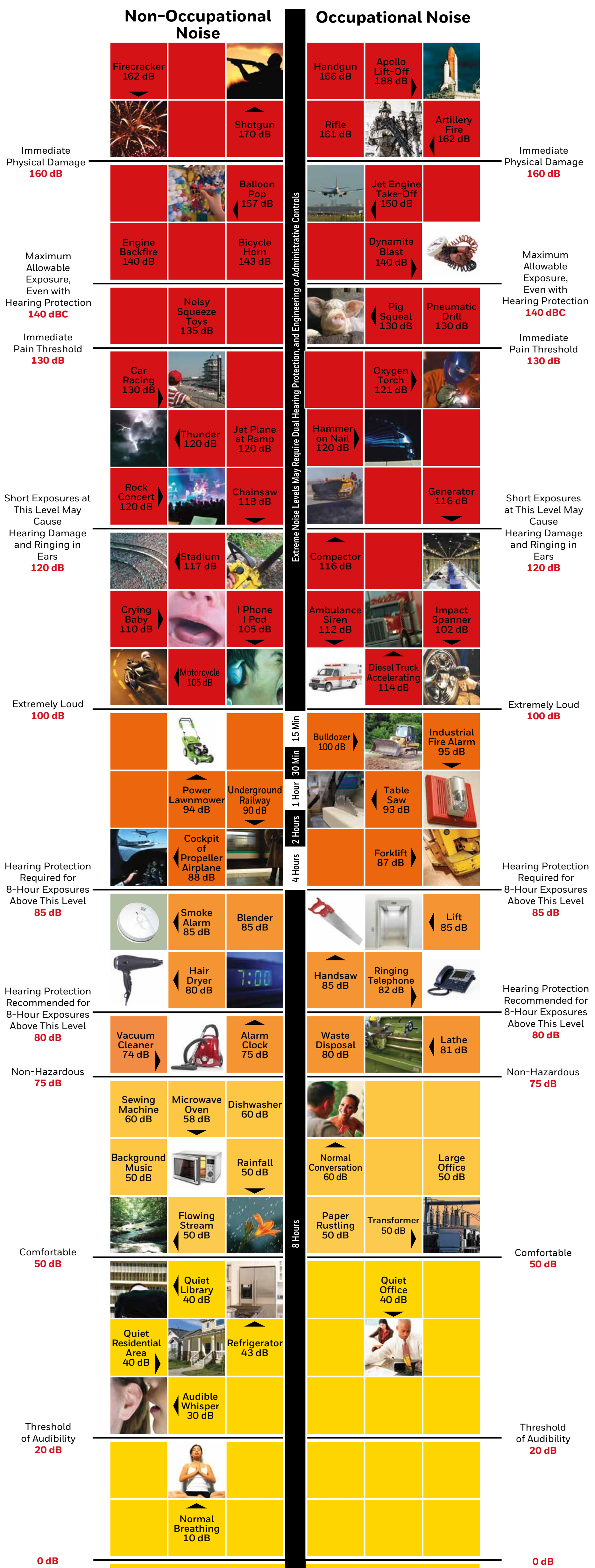
Distance from Source (R ₂)	dB Level (SPL ₂)	Comparable Sound*
50 ft.	59 dB	Microwave Oven, Dishwasher
100 ft.	53 dB	Background Music or Rainfall
250 ft.	45 dB	Refrigerator
400 ft.	41 dB	Quiet Library/Office
500 ft.	39 dB	Quiet Library/Office

*Comparable sounds and forklift sound level were taken from Honeywell Noise Thermometer Poster.

\\maserconsulting.com\qmv\Projects\2016\16002631A\Project Information\Noise Study\201130_Noise Attenuation Memo.docx

Noise Thermometer

Sound Energy Doubles Every 3 dB
(Example: if a 90 dB noise is doubled, it measures 93 dB)



Extreme Noise Levels May Require Dual Hearing Protection, and Engineering or Administrative Controls

15 Min
30 Min
1 Hour
2 Hours
4 Hours

**Permissible Exposure Limits
(EU Hearing Directive
2003/10/EC)**



CITY OF LAKE WORTH BEACH

Community
SustainabilitySM

New Business, Item A

- **PZB 20-01400035:** Consideration of a:
 - Major Site Plan with Sustainable Bonus and
 - Conditional Use

to construct a +/-47,000 square foot distribution facility and repair and maintenance uses within the Industrial Park of Commerce (I-POC) zoning district commonly referred to as “Umdasch/Doka” and located at 2209 7th Avenue North.

Site Location



Background/Proposal

Applicant	Lisa Reves of Saul, Ewing, Arnstein and Lehr on behalf of Umdasch Real Estate USA, Ltd.
Owner	LW Industrial LLC
General Location	South of the western terminus of 7th Ave N, east of the E-4 Canal
Existing PCN Numbers	38-43-44-20-01-066-0010

Background/Proposal

- Request to the Planning & Zoning Board
 - **Major Site Plan** for the development of an industrial building in excess of 7,500 square feet.
 - **Sustainable Bonus Program Incentive** to gain an increase in increase in building height to 31 ft.
 - **Conditional Use Permit** to establish “distribution facility” and “repair and maintenance – major” uses greater than 7,500 square feet.

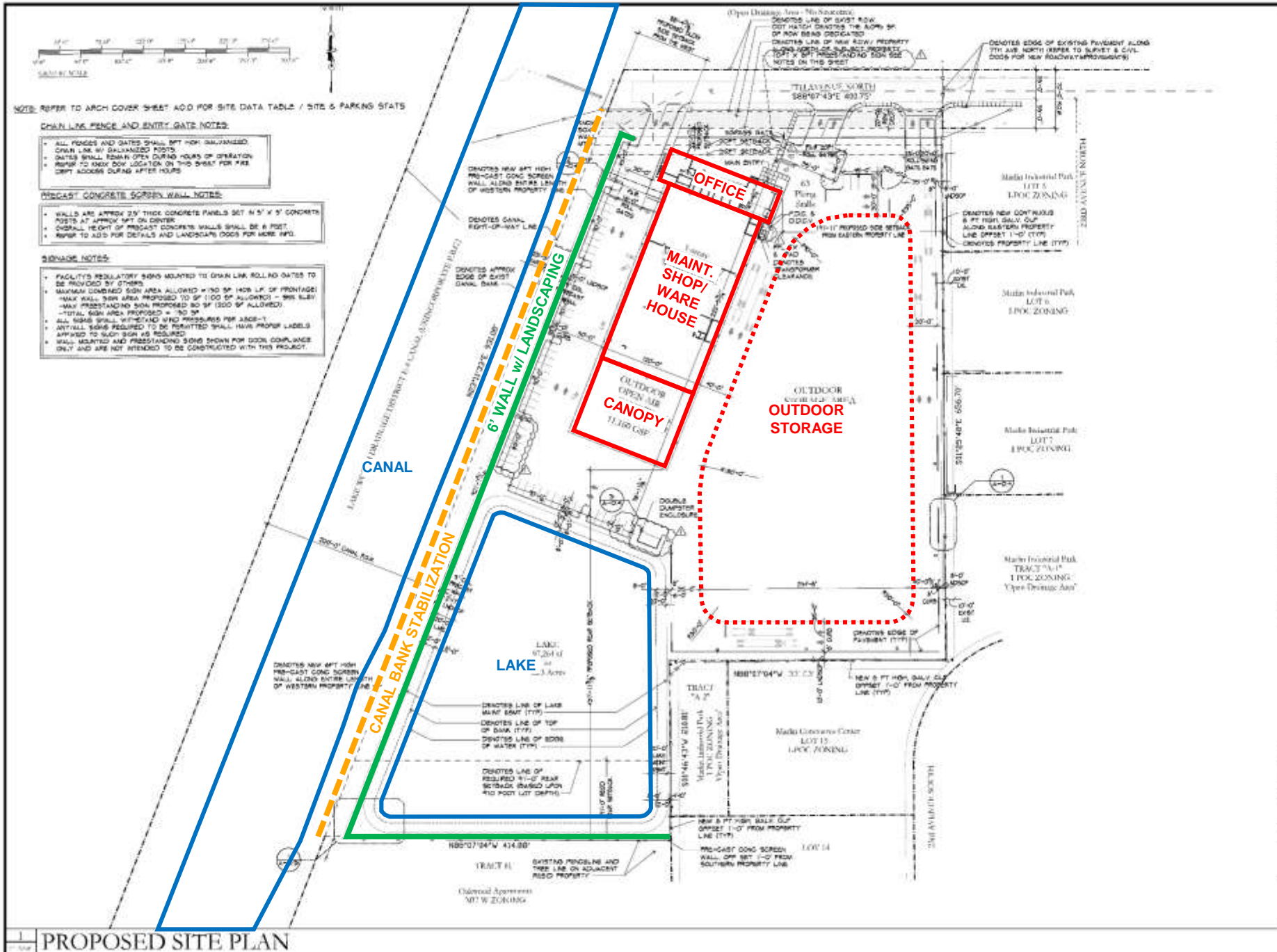
Existing Conditions



Surrounding Properties

- North and East of the Project Location:
 - Mixture of office and warehouse uses
 - The proposed development is in harmony with these existing uses.
- South of the Project Location:
 - Multi-Family Residential
 - The site plan provides for a lake as well as a 6' precast wall and landscaping to buffer the site from the multi-family residential uses.
- East of the Project Location:
 - Single-Family Residential
 - The site plan provides for a 6' precast concrete wall and landscaping to buffer the site from the single-family residential uses.
 - A 200 foot canal right-of-way separates the subject site from the single-family residential.
- Staff finds that the proposed development is in harmony with the existing warehouse and office uses, and provides buffering from the nearby residential uses which complies with the City's Land Development Regulations.

Site Plan



NOTE: REFER TO ARCH COVER SHEET ADD FOR SITE DATA TABLE / SITE & PARKING STATS

CHAIN LINK FENCE AND ENTRY GATE NOTES:

- ALL FENCES AND GATES SHALL BE 4 FT HIGH GALVANIZED CHAIN LINK W/ GALVANIZED POSTS
- GATES SHALL BE OPEN DURING HOURS OF OPERATION
- REFER TO KEY KEY LOCATION ON THIS SHEET FOR FIRE DEPT. ACCESS DURING AFTER HOURS

PRECAST CONCRETE SCREEN WALL NOTES:

- WALLS ARE APPROX 2' THICK CONCRETE PANELS SET IN 5' X 5' CONCRETE POSTS AT APPROX 8 FT ON CENTER
- OVERALL HEIGHT OF PRECAST CONCRETE WALLS SHALL BE 8 FEET
- REFER TO ADD FOR DETAILS AND LANDSCAPE NOTES FOR MORE INFO

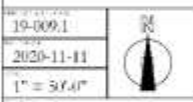
SIGNAGE NOTES:

- FACILITY'S REGULATORY SIGNS MOUNTED TO CHAIN LINK ROLLING GATES TO BE PROVIDED BY OTHERS
- MAXIMUM SIGN AREA ALLOWED = 150 SF (40% LF OF FRONTAGE)
- MAX. WALL SIGN AREA PROPOSED TO BE 1100 SF ALLOWED - 98% SIGN
- MAX. PRESTANDING SIGN PROPOSED TO BE 1000 SF ALLOWED
- TOTAL SIGN AREA PROPOSED = 150 SF
- ALL SIGNS SHALL WITHSTAND WIND PRESSURES PER ASCE-7
- ANY BILL SIGNS REQUIRED TO BE PERMITTED SHALL HAVE PROPER LABELS AFFIXED TO SUCH SIGN AS REQUIRED
- WALL MOUNTED AND PRESTANDING SIGNS SHOWN FOR DOOR COMPLIANCE ONLY AND ARE NOT INTENDED TO BE CONSTRUCTED WITH THIS PROJECT

PROPOSED SITE PLAN

UMDASCH REAL ESTATE USA, LTD
 Office / Industrial Facility at
 2209 7th Avenue North
 City of Lake Worth Beach, Florida

2020-11-11
 19-009.1
 2020-11-11
 1" = 3/4"



SITE PLAN

A-0.1

Renderings



Analysis

- Consistent with the Comprehensive Plan
- Consistent with the Strategic Plan
- Generally consistent with the City's LDRs
 - Consistent with the Qualitative Development Standards (LDR Section 23.2-31(c))
 - Consistent with the Community Appearance Criteria (LDR Section 23.2-31(I))
 - Consistent with the review/decision criteria for all SBIPs (LDR Section 23.2-33(c)(2))
 - Consistent with the specific standards for all conditional uses (LDR Section 23.2-29(e))
 - Consistent with specific criteria for outdoor storage (LDR Section 23.4-19)

Analysis

- Consistency with the City's LDRs
 - Minimum required setbacks
 - Maximum impermeable surface coverage
 - Walls/Fences
 - Lighting and security

Development Standard		Base Zoning District	Provided
Lot Size (min) In square feet (sf)		13,000 sf	455,500 sf
Lot Width (min)		100'	400'
Setbacks	Front (min)	20'	25'
	Rear (min)	10'	318'
	Interior Side (min)	0'	West: 82.5' / East: 192'
Impermeable Surface Coverage (maximum)		65%	55%
Structure Coverage (max)		55%	10.3%
Parking		63 (25 office, 38 industrial)	70
Building Height (max)		45' under sustainable bonus	31'
Floor Area Ratio (FAR) (max)		1.1	.10

Staff Recommendation

- As the application meets the City's Land Development Regulations, staff is recommending that the Board approve the Major Site Plan, Conditional Use Permit, and Sustainable Bonus Incentive Program as conditioned.
- Conditions of Approval are located on pages 14-15 of the staff report.

Conditions of Approval

Electric:

- Prior to the issuance of a certificate of occupancy:
 - The 10-ft-wide electric easement will be needed and recorded prior to the issuance of a Certificate of Occupancy.
 - The customer will be responsible for installing Lake Worth Beach's two 4" schedule-40 gray electric conduits at a minimum of 42" deep.
- Prior to the issuance of a building permit:
 - The electrical riser diagram and the load calculations will be needed.

Planning:

- Prior to the issuance of a building permit, all fencing on-site shall meet the applicable requirements of Sections 23.4-4 and Section 23.4-19.
- The project is prohibited from generating noise levels that exceed regulations found in Section 15.24.

Public Works:

- The issuance of any permits shall comply with all provisions of the Lake Worth Municipal Code and all other applicable standards including but not limited to the Florida Department of Transportation (FDOT), Manual on Uniform Traffic Control Devices (MUTCD), and City of Lake Worth Public Works Construction Standards and Policy and Procedure Manual.
- Prior to the issuance of a building permit:
 - the applicant shall contact the Lake Worth Drainage (LWDD) District's Engineering Department and obtain any required permit(s), if necessary, and furnish to the City. Prior to the issuance of a building permit, the applicant

shall contact the South Florida Water Management District's (SFWMD) Engineering Department and obtain any required permit(s), if necessary.

- the Applicant shall contact and meet with a representative from the Public Works Solid Waste and Recycling Division to confirm dumpster enclosure location, accessibility and demand on property and that it is compatible with the requirements of the Department of Public Works. Solid Waste and Recycling Division contact number is 561-533-7344.
- the applicant shall provide architectural details for the dumpster enclosure to confirm the enclosure meets the standards of the Public Works Dept.
- Prior to performing work in the right of way, the applicant shall apply for and receive issuance of a "Right of Way/Utility Permit" application
- Prior to the issuance of a Certificate of Occupancy:
 - All conditions of approval must be satisfied under jurisdiction of the Department of Public Works
 - The Applicant shall ensure the entire surrounding off-site infrastructure inclusive of the roadway, sidewalk, curbing, stormwater system piping and structures, valve boxes, manholes, landscaping, striping, signage, and other improvements are in the same condition as prior to construction
 - The applicant shall fine grade and sod all disturbed areas with bahia sod
 - The applicant shall broom sweep all areas of the affected right of way and remove of all silt and debris collected as a result of construction activity
 - The applicant shall restore the right of way to a like or better condition. Any damages to pavement, curbing, striping, sidewalks or other areas shall be restored in kind
 - The trench patch for the utility crossing on 7th Ave North shall be restored in accordance with the construction standards of the Public Works Dept.

Conditions of Approval

Water & Sewer:

- Water & Sewer Utility Plan:
- Prior to the issuance of a building permit:
 - Center the 15-foot-wide easement over the water main.
 - Add or move the in-line valve at the edge of the easement for the fire line. This will delineate the private/utility ownership.
 - Provide a valve at the southern watermain connection.
 - Note to engineer: The proposed watermain has been installed in 7th Ave N, the utility department will have the as-built plan shortly. If practical, the actual utility location should be referenced.
 - Move the water service parallel to the fire line or propose a location that minimize the easement extension and path under asphalt. Near the entrance or tapping the main off of 7th Ave N is an option since the meter can be set close to the property line.
 - Adjust the water main and/or slope of bank at the lake to provide a minimum of 10 feet flat space for maintenance access. Consider vehicles and equipment having to navigate around the lake bank at the southeast corner.
 - Capacity fees for water and sewer must be paid in full in accordance with the current City Ordinance.
 - The site shall permit through LWDD and/or SFWMD for the stormwater management and provide a copy to Water Utilities.
 - The following shall be provided:
 - At time of engineering submittal, provide a full drawing set including any updated drainage calculations, and any permits or permitting information from SFWMD and LWDD.
 - Add all structure and utility conflict information on the plans.
 - Complete water, sewer and drainage plans showing proposed pipe sizes, materials, structure sizes, utility crossing elevations, hydrants, manholes, as well as all pertinent site elevations.
- Permits from the PBC Health Department for the Watermain extension and the private lift station connection
- If applicable, show irrigation service line/s up the meter and backflow RPZ device/s.
- Show water & sewer services, drainage structures, and storm mains on landscape plan. Confirm minimum spacing between landscape and services per Public Services Detail 23, Typical Tree with Root Barrier.
- Fireflow calculations based on a recent hydrant test. Contact Pedro Segovia with Palm Beach County at psegovia@pbcgov.com
- Signed and sealed Drainage Calculations including a drainage statement from the engineer regarding floodplain management provisions for water quality and quantity shall be provided to the City.
- Provide geotechnical information for the determination of the hydraulic conductivity of the soil, and groundwater elevation.
- An Erosion Control plan and with the BMPs and NPDES compliance practices shall be provided for the project site.
- Engineering plans shall include cross-sections along each property line and with grading showing the design storm (3 yr, 1 hour (2.6")) runoff being maintained on site.
- Provide existing and proposed site grades.
- Indicate vertical datum on all plan drawings with grades.
- All applicable City of Lake Worth details.

Lake Worth Drainage District:

- This project will require a drainage outfall connection permit from this District if they will be draining to the E-4 Canal.



CITY OF LAKE WORTH BEACH

Community
SustainabilitySM



Umdasch Real Estate USA, Ltd.

2209 7th Avenue North

Lake Worth Beach, Florida



Kimley»»Horn



SAUL EWING
ARNSTEIN
& LEHR^{LLP}

Louis Goldberg, Senior Facilities and Property Project Manager

Jared Wright, Southeast Regional Manager

George Balaban, P.E.

Adam Kerr, Traffic Engineer

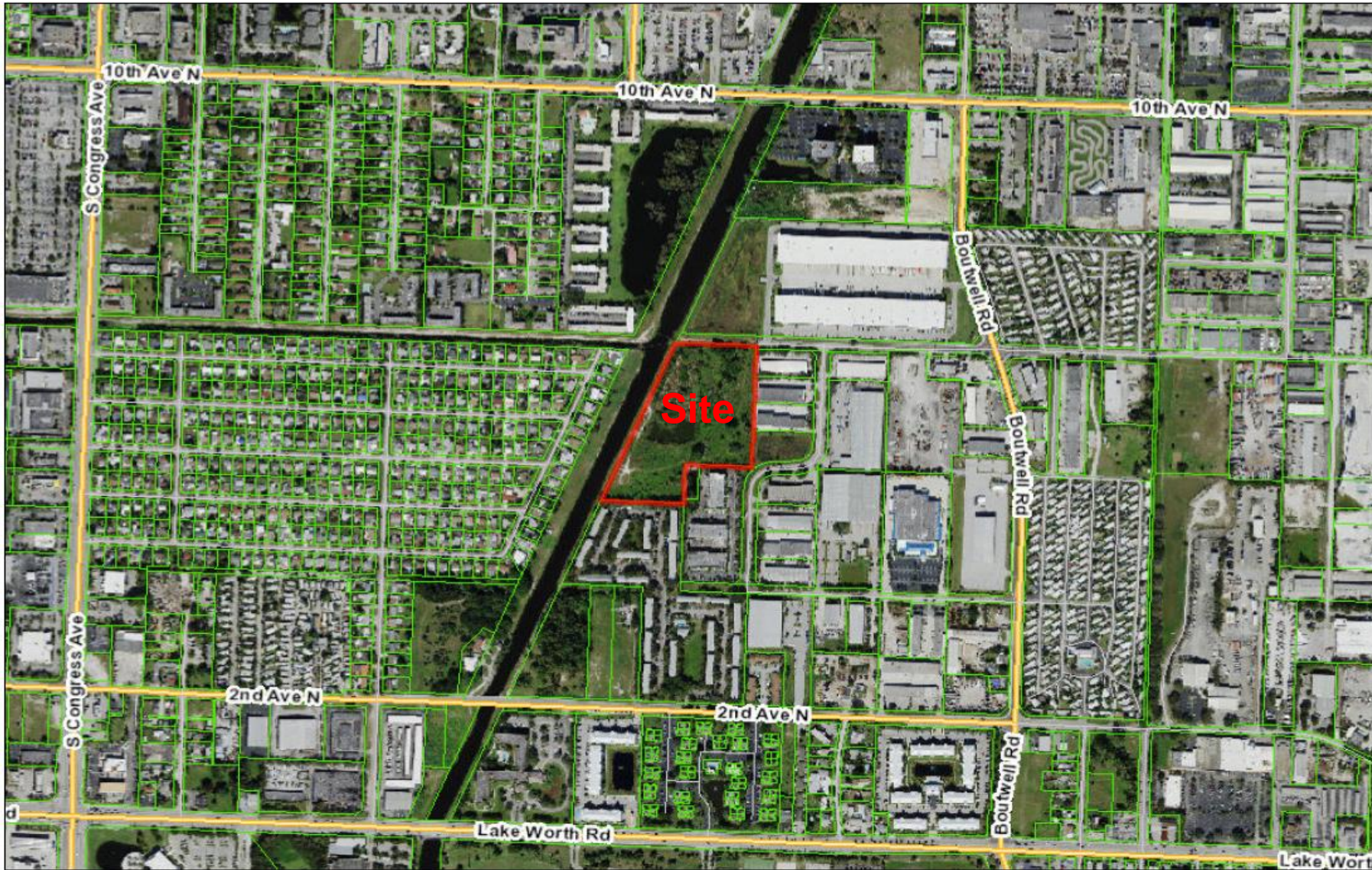
Johnathan Haigh, PLA, ASLA Landscape Architect

Jaime Mayo, Architect

Manuel Rodriguez, Project Manager

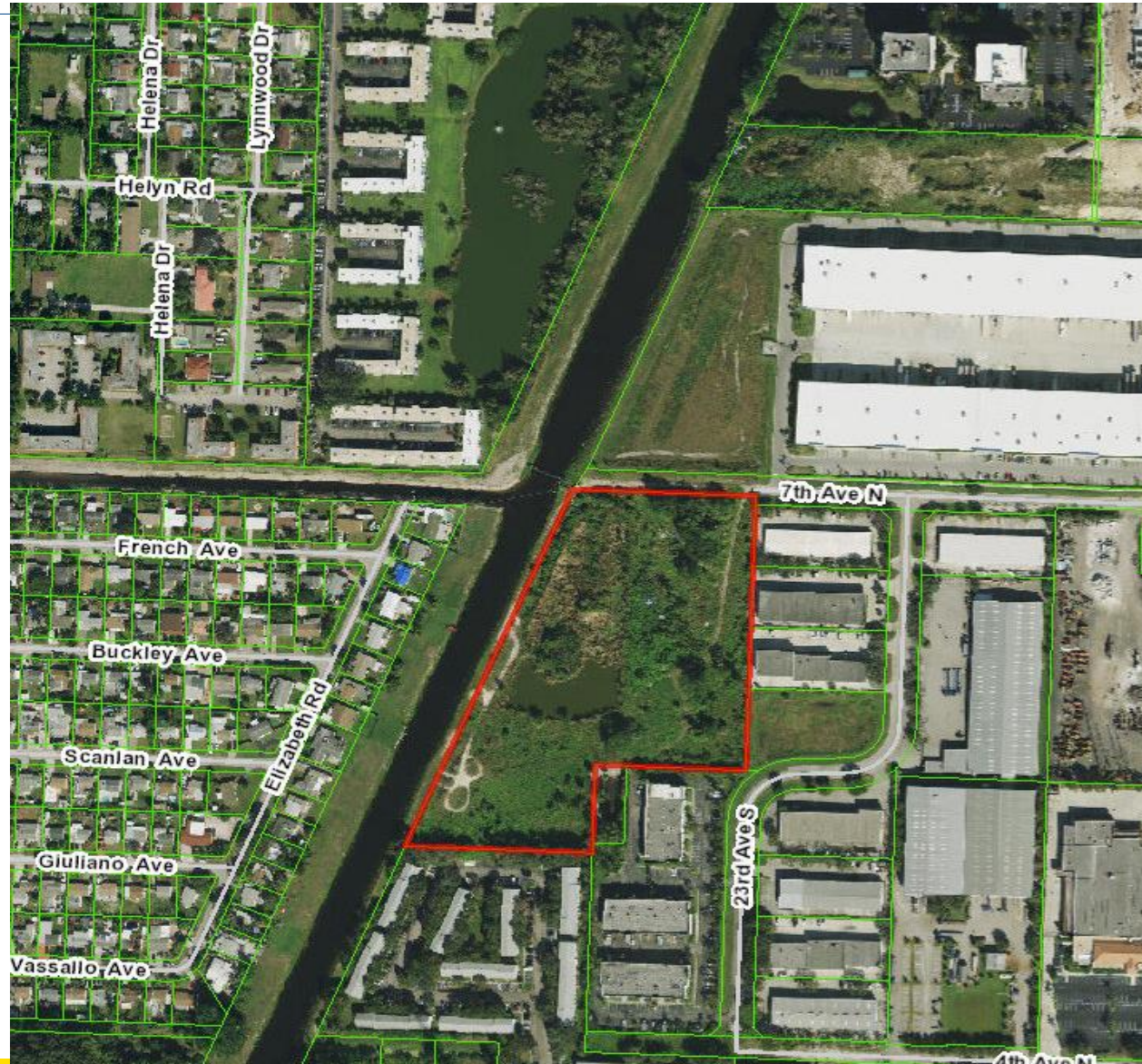
Lisa Reves, Esq.

Boutwell Industrial Park of Commerce

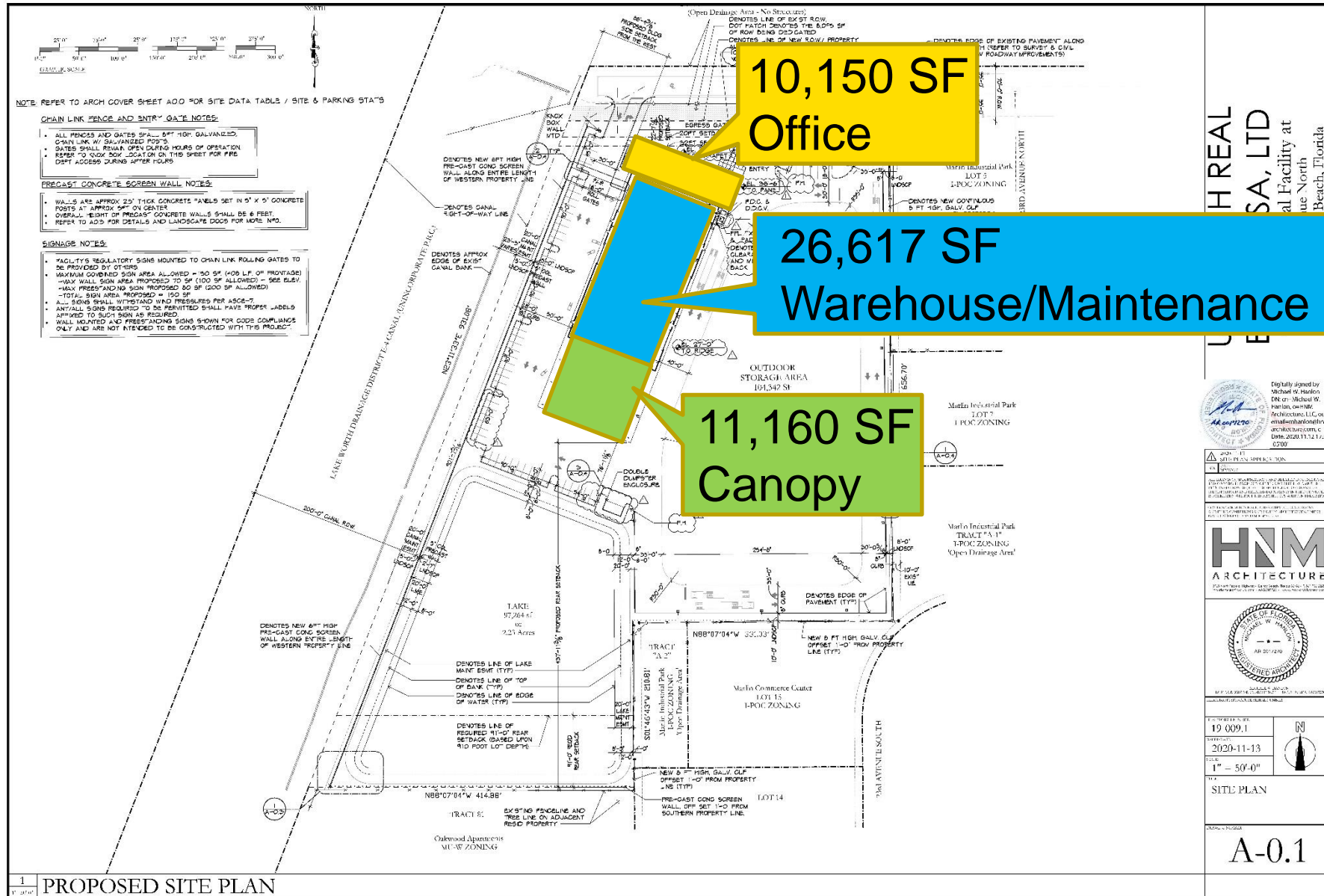


9.79 Acre Site

Zoned I-POC with Industrial Future Land Use



Site Plan



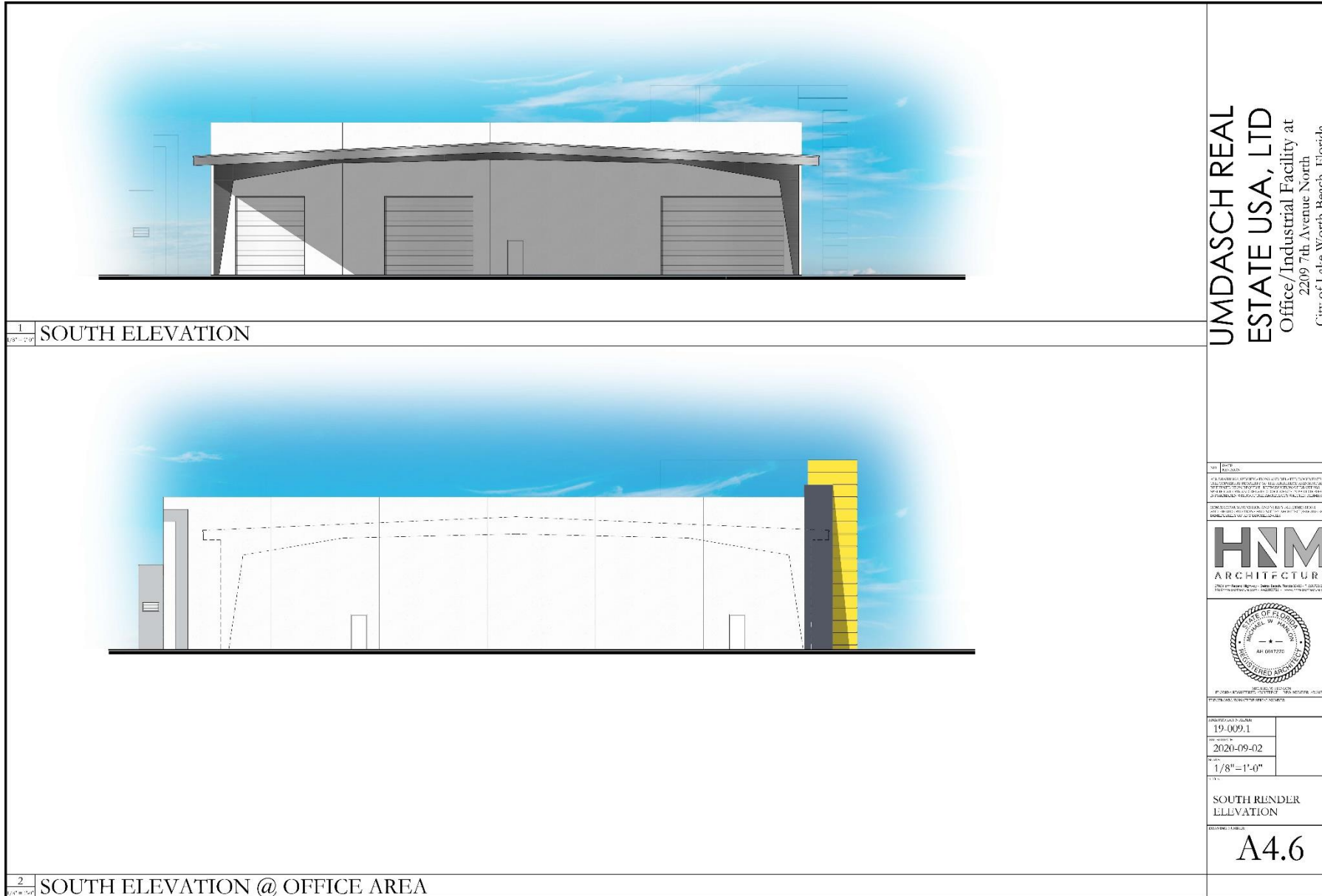
Main Entrance



West Elevation

	<p>UMDASCH REAL ESTATE USA, LTD Office/Industrial Facility at 2209 7th Avenue North City of Lake Worth Beach, Florida</p>
<p>1 WEST ELEVATION</p>	
	<p>HNM ARCHITECTURE</p> <p>STATE OF FLORIDA ARCHITECTURE APR 058772</p> <p>PROJECT NUMBER: 19-009.1 DATE: 2020-09-02 SCALE: 1/8" = 1'-0"</p> <p>WEST RENDER ELEVATION</p> <p>A4.5</p>
<p>1A WEST ELEVATION - STAIR FACADE</p>	

South Elevation



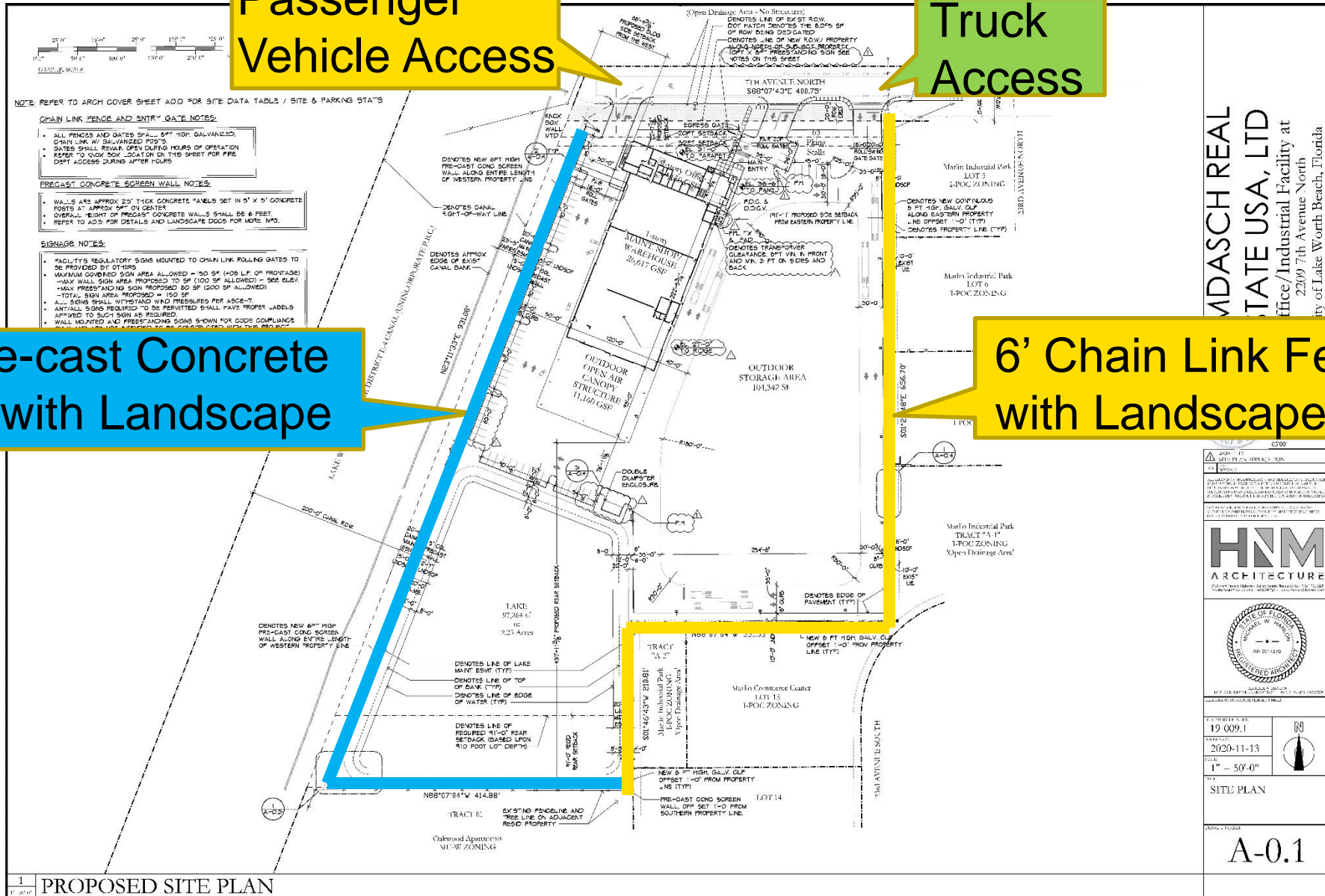
Access/Buffers

Passenger Vehicle Access

Truck Access

6' Pre-cast Concrete Wall with Landscape

6' Chain Link Fence with Landscape



Laurel & Live Oak, Wax Myrtle, Silver & Green Buttonwood Trees with a Cocoplum Hedge



UMDASCH REAL ESTATE USA, LTD
Office/Industrial Facility at
2209 7th Avenue North
City of Lake Worth Beach, Florida

HNM
ARCHITECTURE
1975 North Main Street, Suite 200, Lake Worth Beach, FL 33460
(561) 465-7777
www.hnmarch.com



DATE: 19-009-1
PREPARED: 2020-09-08
SCALE: 1" = 50'-0"
SHEET: SITE PLAN

PROJECT: A-0.1

PROPOSED SITE PLAN



Request

- Major Site Plan Approval for Industrial Building.
- Conditional Use Approval to Construct:
 - 26, 617 SF Warehouse/Maintenance Shop
 - 10,150 SF Two (2) Story Office
 - 11,160 SF Outdoor Open Canopy
 - 104,342 SF Outdoor Storage Area
- Sustainable Bonus Incentive Program to Increase Building Height from 30' to 31' in Height for the Office Space (5,565 SF).

Required Findings - Section 23.2-29(e) Conditional Use Criteria Items 1-8

Criteria	Applicant Response	Staff Response
<p>1. The proposed conditional use will not generate traffic volumes or movements which will result in a significant adverse impact or reduce the level of service provided on any street to a level lower than would result from a development permitted by right.</p>	<p>Palm Beach County TPS letter indicates exemption from Traffic Performance Standards.</p>	<p>Meets Criterion.</p>
<p>2. The proposed conditional use will not result in a significantly greater amount of through traffic on local streets than would result from a development permitted by right and is appropriately located with respect to collector and arterial streets.</p>	<p>The traffic generated from the proposed mixed-use development will not be significantly greater than that of adjacent uses and other anticipated uses in this area.</p>	<p>Meets Criterion.</p>
<p>3. The proposed conditional use will not produce significant air pollution emissions, or will appropriately mitigate anticipated emissions to a level compatible with that which would result from a development permitted by right.</p>	<p>The distribution facility, repair and maintenance do not pose a pollution hazard to the nearby properties.</p>	<p>Meets Criterion.</p>
<p>4. The proposed conditional use will be so located in relation to the thoroughfare system that neither extension nor enlargement nor any other alteration of that system in a manner resulting in higher net public cost or earlier incursion of public cost than would result from development permitted by right.</p>	<p>The project is not anticipated to cause a higher net public cost or earlier incursion of public cost than what would result from a development permitted by right.</p>	<p>Meets Criterion.</p>

Criteria	Applicant Response	Staff Response
<p>5. The proposed conditional use will be so located in relation to water lines, sanitary sewers, storm sewers, surface drainage systems and other utility systems that neither extension nor enlargement nor any other alteration of such systems in a manner resulting in higher net public cost or earlier incursion of public cost than would result from development permitted by right.</p>	<p>No adverse impact to infrastructure or public utilities is anticipated to occur as a result of this request.</p>	<p>Meets Criterion.</p>
<p>6. The proposed conditional use will not place a demand on municipal police or fire protection service beyond the capacity of those services, except that the proposed facility may place a demand on municipal police or fire protection services which does not exceed that likely to result from a development permitted by right.</p>	<p>The proposed development is not anticipated to place a demand on municipal police or fire protection service beyond the capacity of those services.</p>	<p>Meets Criterion.</p>
<p>7. The proposed conditional use will not generate significant noise, or will appropriately mitigate anticipated noise to a level compatible with that which would result from a development permitted by right. Any proposed use must meet all the requirements and stipulations set forth in Section 15.24, Noise control.</p>	<p>The proposed development is not anticipated to generate noise in excess of the noise control ordinance.</p>	<p>Meets Criterion.</p>
<p>8. The proposed conditional use will not generate light or glare which encroaches onto any residential property in excess of that allowed in Section 23.4-10, Exterior lighting.</p>	<p>Photometric plan shows compliance with Section 23.4-3.</p>	<p>Meets Criterion.</p>

Required Findings - Section 23.2-29(d) General Findings Relating to Harmony with LDRs and Protection of Public Interest Items 1-4

Criteria	Applicant Response	Staff Response
<p>1. The conditional use exactly as proposed at the location where proposed will be in harmony with the uses which, under these LDRs and the future land use element, are most likely to occur in the immediate area where located.</p>	<p>The site contains a base zoning designation of I-POC and is adjacent to I-POC zoned property to the north and east, Mixed-Use West (MU-W) zoned property to the south, and residential land use to the west on the opposite side of the E-4 canal. Based on the intent of the I-POC zoning district, the types of uses most likely to occur in this district are the establishment and enlargement of office, manufacturing and light industrial uses. The subject proposal is consistent with the types of uses anticipated to occur within the I-POC district. In addition, the site is designed with features to help buffer the site from nearby incompatible uses; these are described in the below criterion. Therefore, the proposed project is compatible and harmonious with the existing and anticipated surrounding uses.</p>	<p>Meets Criterion.</p>
<p>2. The conditional use exactly as proposed at the location where proposed will be in harmony with existing uses in the immediate area where located.</p>	<p>The subject site is surrounded by a mixture of warehouse, single-family, multi-family, and office uses. The property locates the warehouse building to the north of the site and away from the multi-family uses to the south of the site, reducing its impact on those properties.</p>	<p>Meets Criterion.</p>
<p>3. The conditional use exactly as proposed will not result in substantially less public benefit or greater harm than would result from use of the property for some use permitted by right or some other conditional use permitted on the property.</p>	<p>The approval of this conditional use will provide urban infill development that is consistent with the intent of the I-POC zoning district and I future land use category and is not anticipated to result in less public benefit than other permitted or conditional uses.</p>	<p>Meets Criterion.</p>
<p>4. The conditional use exactly as proposed will not result in more intensive development in advance of when such development is approved by the future land use element of the Comprehensive Plan.</p>	<p>The proposed project is utilizing the City's SBIP bonuses for an additional one (1) foot of building height. The increase in building height will allow for the screening of rooftop equipment located above the office portion of the proposed building. Staff's analysis of the SBIP can be found on page 8. The project is consistent with the goals, objectives, and polices of the City of Lake Worth Beach's Comprehensive Plan and will not result in a more intensive development than what the Plan anticipates.</p>	<p>Meets Criterion.</p>

Required Findings - Section 23.2-31 (c) Qualitative Development Standards Items 1-15

Criteria	Applicant Response	Staff Response
1. <i>Harmonious and efficient organization.</i> All elements of the site plan shall be harmoniously and efficiently organized in relation to topography, the size and type of plot, the character of adjoining property and the type and size of buildings. The site shall be developed so as to not impede the normal and orderly development or improvement of surrounding property for uses permitted in these LDRs.	The site is organized so the most intense uses are oriented toward the industrial uses.	Meets Criterion.
2. <i>Preservation of natural conditions.</i> The natural (refer to landscape code, Article 6 of these LDRs) landscape shall be preserved in its natural state, insofar as practical, by minimizing tree and soil removal and by such other site planning approaches as are appropriate. Terrain and vegetation shall not be disturbed in a manner likely to significantly increase either wind or water erosion within or adjacent to a development site. Natural detention areas and other means of natural vegetative filtration of stormwater runoff shall be used to minimize ground and surface water pollution, particularly adjacent to major waterbodies as specified in Part II, Chapter 12 , Health and Sanitation, Article VIII, Fertilizer Friendly Use Regulations. Fertilizer/pesticide conditions may be attached to development adjacent to waterbodies. Marinas shall be permitted only in water with a mean low tide depth of four (4) feet or more.	The site is a designated Brownfield area which Umdasch Real Estate USA, Ltd intends to rehabilitate.	Meets Criterion.
3. <i>Screening and buffering.</i> Fences, walls or vegetative screening shall be provided where needed and practical to protect residents and users from undesirable views, lighting, noise, odors or other adverse off-site effects, and to protect residents and users of off-site development from on-site adverse effects. This section may be interpreted to require screening and buffering in addition to that specifically required by other sections of these LDRs, but not less.	The project proposes landscaping and perimeter wall along the western and southern property line. Chain link with landscaping is proposed for the remaining property lines.	Meets Criterion.
4. <i>Enhancement of residential privacy.</i> The site plan shall provide reasonable, visual and acoustical privacy for all dwelling units located therein and adjacent thereto. Fences, walls, barriers and vegetation shall be arranged for the protection and enhancement of property and to enhance the privacy of the occupants.	The site provides a 6' wall with vegetation to buffer the site's impacts and provide additional residential privacy.	Meets Criterion.
5. <i>Emergency access.</i> Structures and other site features shall be so arranged as to permit emergency vehicle access by some practical means to all sides of all buildings.	The building is oriented adjacent to the right-of-way for easy access by emergency vehicles.	Meets Criterion.

Criteria	Applicant Response	Staff Response
<p>6. <i>Access to public ways.</i> All buildings, dwelling units and other facilities shall have safe and convenient access to a public street, walkway or other area dedicated to common use; curb cuts close to railroad crossings shall be avoided.</p>	<p>The building fronts 7th Avenue North and the site has three (3) access points from the right-of-way.</p>	<p>Meets Criterion.</p>
<p>7. <i>Pedestrian circulation.</i> There shall be provided a pedestrian circulation system which is insulated as completely as reasonably possible from the vehicular circulation system.</p>	<p>The pedestrian circulation from the right-of-way to the office entrance avoids as much conflict with vehicular circulation as possible, with the pedestrian crossings located at the point where vehicles stop to turn on/off of 7th Avenue North. The pedestrian circulation does not cross through any vehicular circulation areas within the site and provides direct access to the building.</p>	<p>Meets Criterion.</p>
<p>8. <i>Design of ingress and egress drives.</i> The location, size and numbers of ingress and egress drives to the site will be arranged to minimize the negative impacts on public and private ways and on adjacent private property. Merging and turnout lanes traffic dividers shall be provided where they would significantly improve safety for vehicles and pedestrians.</p>	<p>The project proposes accerss from 7th Avenue North and no negative impacts on adjacent properties are anticipated.</p>	<p>Meets Criterion.</p>
<p>9. <i>Coordination of on-site circulation with off-site circulation.</i> The arrangement of public or common ways for vehicular and pedestrian circulation shall be coordinated with the pattern of existing or planned streets and pedestrian or bicycle pathways in the area. Minor streets shall not be connected to major streets in such a way as to facilitate improper utilization.</p>	<p>All common ways off the project site will circulate traffic internally on the site and will not connect with any other right-of-way as no such other rights-of-ways exist adjacent to the property.</p>	<p>Meets Criterion.</p>
<p>10. <i>Design of on-site public right-of-way.</i> On-site public street and rights-of-way shall be designed for maximum efficiency. They shall occupy no more land than is required to provide access, nor shall they unnecessarily fragment development into small blocks. Large developments containing extensive public rights-of-way shall have said rights-of-way arranged in a hierarchy with local streets providing direct access to parcels and other streets providing no or limited direct access to parcels.</p>	<p>Right-of-way dedication for 7th Avenue North is depicted on the site plan along the property's northern boundary to the E-4 Canal. Based on the nature of use and proposed traffic circulation on the site, no other on-site right-of-way is being dedicated. Therefore, this criterion does not apply.</p>	<p>Meets Criterion.</p>

Criteria	Applicant Response	Staff Response
<p>11. <i>Off-street parking, loading and vehicular circulation areas.</i> Off-street parking, loading and vehicular circulation areas shall be located, designed and screened to minimize the impact of noise, glare and odor on adjacent property.</p>	<p>The site proposes three (3) points of ingress/egress. The western most ingress/egress point is for personal and regular-sized vehicles. The two (2) easterly points of ingress/egress will be for larger truck traffic. These have been located away from the single-family and multi-family residences to the west and south to minimize the impact of noise, glare and odor to these properties.</p>	<p>Meets Criterion.</p>
<p>12. <i>Refuse and service areas.</i> Refuse and service areas shall be located, designed and screened to minimize the impact of noise, glare and odor on adjacent property.</p>	<p>The site plan shows the refuse area is located toward the middle of the site and away from any existing property lines. The dumpster enclosure is also screened and opens toward the building and away from any adjacent properties, minimizing the impact of noise, glare and odor on adjacent property.</p>	<p>Meets Criterion.</p>
<p>13. <i>Protection of property values.</i> The elements of the site plan shall be arranged so as to have minimum negative impact on the property values of adjoining property.</p>	<p>The elements of the site plan are arranged insofar as feasible to minimize negative impacts to property values of adjoining properties. The site provides landscaping and buffering from adjacent properties, orients building and site activities and circulation away from adjacent properties.</p>	<p>Meets Criterion.</p>
<p>14. <i>Transitional development.</i> Where the property being developed is located on the edge of the zoning district, the site plan shall be designed to provide for a harmonious transition between districts. Building exteriors shall complement other buildings in the vicinity in size, scale, mass, bulk, rhythm of openings and character. Consideration shall be given to a harmonious transition in height and design style so that the change in zoning districts is not accentuated. Additional consideration shall be given to complementary setbacks between the existing and proposed development.</p>	<p>The project is located on the western edge of the Industrial Park of Commerce zoning district and along the city's western boundary following the E-4 Keller Canal. The project provides for a 6' pre-cast concrete wall and landscaping on the edge of the zoning district's boundaries with adjacent mixed-use and residential zoning districts. Yard operations and circulations are located away from these properties and setbacks are provided to minimize the impact.</p>	<p>Meets Criterion.</p>
<p>15. <i>Consideration of future development.</i> In finding whether or not the above standards are met, the review authority shall consider likely future development as well as existing development.</p>	<p>The project as proposed does not anticipate any future development at the site. Any future proposed development not included as part of this application must go through the applicable land development process for full review. Overall, the project meets the intent of the Land Development Regulations and Comprehensive Plan.</p>	<p>Meets Criterion.</p>

Required Findings - Section 23.2-31 (I) Community Appearance Criteria Items 1-4

Criteria	Applicant Response	Staff Response
<p>1. The plan for the proposed structure or project is in conformity with good taste, good design, and in general contributes to the image of the city as a place of beauty, spaciousness, harmony, taste, fitness, broad vistas and high quality.</p>	<p>The design of the project reflects modern architectural styles generally associated with good taste and design. The office portion has large windows that face the right-of-way and allow natural light into the space, with more intense uses oriented toward the rear of the site, away from the right-of-way. The project provides architectural embellishments that are colored to match the business branding, however these are kept to a minimum and are in good taste and design.</p>	<p>Meets Criterion.</p>
<p>2. The proposed structure or project is not, in its exterior design and appearance, of inferior quality such as to cause the nature of the local environment or evolving environment to materially depreciate in appearance and value.</p>	<p>The project utilizes industry standard materials that are neutral and generally compatible with the local environment.</p>	<p>Meets Criterion.</p>
<p>3. The proposed structure or project is in harmony with the proposed developments in the general area, with code requirements pertaining to site plan, signage and landscaping, and the comprehensive plan for the city, and with the criteria set forth herein.</p>	<p>The project uses a modern design aesthetic which is similar to and appropriate with other existing buildings and proposed projects which have been approved in the surrounding area.</p>	<p>Meets Criterion.</p>
<p>4. The proposed structure or project is in compliance with this Section and 23.2-29, as applicable.</p>	<p>The project's compliance with the community appearance and conditional use criteria is detailed above.</p>	<p>Meets Criterion.</p>
<p>17</p>		

Required Findings - Section 23.2-33 (c)(2) Sustainable Bonus Incentive Program Items a-d

Criteria	Applicant Response	Staff Response
(a) Is the award calculated correctly, consistent with the square footage and height requested and the value of the features and improvements included in the development proposal?	The development proposal is consistent with the increase in height requested. The Applicant is asking for a bonus height of one (1) foot, for a total building height of thirty one (31) feet. The total square footage of bonus area is 5,565 square feet. Therefore, the total value of required improvements is \$8,347.50. The Applicant will be providing improvements above the code required minimums equivalent to \$97,500, which exceeds the requirements of the Sustainable Bonus and Planned Development Program.	Meets Criterion.
(b) Do the proposed on-site features or improvements adequately provide sustainable project enhancements beyond those otherwise required by these LDRs for the development proposal that are attainable and reasonable in the context of the proposed project?	The proposed on-site features and improvements provide enhancements that exceed the base requirements of the LDRs. The project will provide a wall on the west and south side of the property, which is above and beyond the minimum requirements of the code, and the difference in value between the fence and the wall meets the required valuation of the SBIP.	Meets Criterion.
(c) Do the proposed off-site improvements meet the priorities of the City for community sustainability?	The project is not including off-site improvements toward the SBIP credit.	Meets Criterion.
(d) Do the proposed features, improvements or fees-in-lieu meet the intent of the SBIP?	The proposed features and improvements are beyond the base requirements of the LDRs and provide additional amenities and an aesthetic improvement. Thus, the proposed development meets the intent of the SBIP.	Meets Criterion.

Required Findings - Section 23.4-19 Outdoor Storage Items 1-5

Criteria	Applicant Response	Staff Response
1. Outdoor storage in residential districts. Outdoor storage in residential districts for residential purposes shall be limited to domestic equipment and normal supplies necessary for residents. Storage shall not be permitted in any front yard.	This project is not located in a residential district, therefore this criterion does not apply.	Not Applicable.
2. Outdoor storage industrial. Outdoor storage in the I-POC industrial district shall be permitted only as accessory to an approved principal use. All such storage shall be completely screened from all public rights-of-way and any adjacent property that is zoned for residential or mixed use. Outdoor storage of equipment, vehicles, boats, parts, materials, or chemicals are required to be stored on an impervious paved surface to reduce pollutants in storm water runoff.	The outdoor storage is accessory to the distribution facility, repair and maintenance uses. The outdoor storage areas are screened from the residential areas to the south and west.	Meets Criterion.
3. Outdoor storage in planned development and mixed use districts. Outdoor storage facilities shall be limited to the following: a. Outdoor storage of merchandise for sale within the establishment located on the site shall be limited to the area located between the front façade and the public right-of-way and shall only be outside of the building during hours of operation. However, this does not apply to the outdoor display of vehicles for sale or rent. b. In any commercial planned development, all outdoor storage shall be expressly approved by the City Commission as part of the ordinance adopting the commercial planned development. c. Approval of outdoor storage in a commercial planned development or mixed use district shall include mitigation measures to protect adjacent properties from the impacts of the outdoor storage.	The proposed project is not located within a planned development or mixed-use district, therefore this criterion does not apply.	Not Applicable.
4. The outdoor storage of all licensed vehicles that are being repaired must be screened from all public rights-of-way or stored completely within an enclosed structure. There shall be no storage of junk or unlicensed vehicles within the public right-of way at any time.	There are no vehicle repair uses associated with the operations of the site, therefore this criterion does not apply.	Not Applicable.
5. The outdoor storage of unlicensed vehicles and/or junked vehicles, boats, machinery, trucks, trailers, mobile homes and heavy equipment vehicles is prohibited, except in approved junk yards or the temporary storage of such vehicles on a lot or parcel approved and containing an active business license for vehicle towing.	There will be no unlicensed and/or junked vehicles stored on-site, therefore this criterion does not apply.	Not Applicable.

Meet the Required Findings and Request Approval

- ✓ Section 23.2-29(e) Conditional Use Criteria
- ✓ Section 23.2-29 (d) General Findings Relating to Harmony with LDRs and Protection of Public Interest
- ✓ Section 23.2-31 (c) Qualitative Development Standards
- ✓ Section 23.2-31 (l) Community Appearance Criteria
- ✓ Section 23.2-33 (c)(2) Sustainable Bonus Incentive Program
- ✓ Section 23.4-19(b) Outdoor Storage Industrial

Development Team

The logo for Doka, featuring the word "doka" in a bold, blue, lowercase sans-serif font on a yellow background.A small version of the Doka logo, consisting of the word "doka" in blue lowercase letters on a yellow rectangular background.

Louis Goldberg, Senior Facilities and Property Project Manager
Jared Wright, Southeast Regional Manager

Kimley»»Horn

George Balaban, P.E.
Adam Kerr, Traffic Engineer
Johnathan Haigh, PLA, ASLA Landscape Architect

The logo for HNM Architecture, featuring the letters "HNM" in a large, bold, sans-serif font. The "H" is orange, the "N" is grey, and the "M" is grey. Below "HNM" is the word "ARCHITECTURE" in a smaller, grey, all-caps sans-serif font.

Jaime Mayo, Architect
Manuel Rodriguez, Project Manager

The logo for Saul Ewing Arnstein & Lehr LLP, featuring the text "SAUL EWING ARNSTEIN & LEHR" in a bold, blue, all-caps sans-serif font. The text is arranged in four lines, with "SAUL EWING" on the first, "ARNSTEIN" on the second, "& LEHR" on the third, and "LLP" on the fourth. There are horizontal blue lines separating the first three lines.

Lisa Reves, Esq.



doka

The Formwork Experts.

Seminole Hardrock Guitar Hotel

October 19, 2020 Conversation with Mr. Hiatt

From: Reves, Lisa <Lisa.Reves@saul.com>
Sent: Monday, October 19, 2020 2:36 PM
To: Goldberg Louis <louis.goldberg@doka.com>
Cc: Daniels, Steven L. <steven.daniels@saul.com>
Subject: [EXT] RE: Lake Worth Site Plan Application - Possible Opposition

Louis,

I spoke with Mr. Daniel Hiatt he owns 2 properties to the east of our site and is the Vice president of Marlin Industrial Park Owners Association. I have attached 2 aerial and the sunbiz listing for your use. He raised a number of issues and I thought I had won him over but, he closed the conversation with I will never support this project. I will try again at a later date. Mr. Hiatt raised:

1. he was the primary developer of the industrial park (would like respect);
2. there is limited site access;
3. organic material on site;
4. He thinks you should pay more for the property (then asked how much you are paying);
5. You need to develop a larger project so you will pay more taxes.
6. He would like a project such as the one on the NW corner of Boutwell & 7th, a multi-bay warehouse with 125,746 SF valued in excess of \$27 million.

The bottom line is he wants his property values to increase.

I will call to discuss this issue.

Thank you,
Lisa

**SAUL EWING
ARNSTEIN
& LEHR^{LLP}**

Lisa A. Reves, Esq. | Attorney at Law
SAUL EWING ARNSTEIN & LEHR LLP
515 N. Flagler Drive , Suite 1400 | West Palm Beach , FL 33401
Tel: 561.650.8465 | Fax: 561.828.6381
Lisa.Reves@saul.com | www.saul.com

December 4, 2020 E-mail to Mr. Hiatt

From: [Reves, Lisa](#)
To: ["danielhiatt@bellsouth.net"](mailto:danielhiatt@bellsouth.net)
Bcc: ["DOKA USA LTD DOKA USA PURCHASE OF BROWARD COUNTY PROPERTY 377833 00001 Email"](#)
Subject: FW: Umdasch/Doka
Date: Friday, December 4, 2020 4:02:27 PM

Good Afternoon,

It is my understanding that you have objected to my clients project at 2209 7th Avenue North.

Would you please advise me of the nature of your objection?

Thank you,

SAUL EWING

ARNSTEIN

& LEHR^{LLP}

Lisa A. Reves | Attorney at Law

SAUL EWING ARNSTEIN & LEHR LLP

515 N. Flagler Drive , Suite 1400 | West Palm Beach , FL 33401

Tel: 561.650.8465 | Fax: 561.828.6381

Lisa.Reves@saul.com | www.saul.com

December 5, 2020 E-mail from Mr. Hiatt

From: [Daniel Hiatt](#)
To: [Reves, Lisa](#)
Subject: RE: Umdasch/Doka
Date: Saturday, December 5, 2020 1:32:28 PM

****EXTERNAL EMAIL** - This message originates from outside our Firm. Please consider carefully before responding or clicking links/attachments.**

Good Afternoon.

We sent one of our members to inspect one of your clients operations. We do not want that type of mess on our western border.

Thank You, Daniel Hiatt (561-389-1989)

Sent from [Mail](#) for Windows 10

December 30, 2020 E-mail from Mr. Baird

From: [Baird, Thomas J.](#)
To: [Reves, Lisa](#)
Cc: ["Daniel Hiatt"](#)
Subject: Umdasch/Doka/Project #20-01400035
Date: Wednesday, December 30, 2020 11:07:15 AM
Attachments: [jms001.png](#)

****EXTERNAL EMAIL** - This message originates from outside our Firm. Please consider carefully before responding or clicking links/attachments.**

Good morning, I hope you are well and are enjoying the holidays. I have been speaking with Dan Hiatt, who is retaining me to represent the Marlin Industrial Park POA. He is a member of the Board of Directors of the POA. The POA and the owners/tenants in the Park are affected parties in respect to your client's Property. Dan forwarded to me your email of December 4 and you inquired as to the "nature of his objections." I've read the LWB staff report and discussed Dan, and the POA's objections with him. In my experience, and probably yours, the Planning & Zoning Boards and City Commissions prefer that the parties confer in advance of a hearing to see if objections can be eliminated, or at least narrowed so that such a dialogue doesn't have to occur at the public hearings. I believe given the number of objectors and their objections, a meeting between your client and mine before the January 6 might be of benefit to both parties. Please give me a call at 650-8232 (my direct line) so that we might discuss a postponement by the developer and a meeting with the POA in January.

6 might be of benefit to both parties. Please give me a call at 650-8232 (my direct line) so that we might discuss a postponement by the developer and a meeting with the POA in January.

Thomas J. Baird

Florida Bar Board Certified City, County and Local Government Attorney
Jones Foster P.A.

561 650 8233 – D
561 650 5300 – F
561 659 3000 – O

tbaird@jonesfoster.com

JONES FOSTER

4741 Military Trail, Suite 200
Jupiter, Florida 33458
jonesfoster.com

Incoming emails are filtered which may delay receipt. This email is personal to the named recipient(s) and may be privileged and confidential. If you are not the intended recipient, you received this in error. If so, any review, dissemination, or copying of this email is prohibited. Please immediately notify us by email and delete the original message.

Hiatt 3599 23rd Avenue South



- Limited Site Access
- Organic Material Onsite
- Pay More for Site
- Larger Building
 - Similar to 7th & Boutwell
- Increase Boutwell Tax Base
- Increase His Property Value

Hiatt 3694 23rd Avenue South



Notice of Special Magistrate Hearing

Lake Worth Beach, Florida. The Art of Florida Living.sm
DEPARTMENT FOR COMMUNITY SUSTAINABILITY
CODE COMPLIANCE DIVISION
1900 Second Avenue North
Lake Worth Beach, FL 33461
561.586.1652

CODE ENFORCEMENT SPECIAL MAGISTRATE NOTICE OF VIOLATION AND NOTICE OF HEARING

9/24/2020

DANIEL HIATT
SNED WILLIAM H JR
3030 S DIXIE HWY STE 5
WEST PALM BEACH, FL 33405

Case No: 20-00000390

RE: 3694 23RD AVE S, LAKE WORTH FL 33461

Legal Description: MARLIN IND PARK LT 10

Parcel Control Number: 38-43-44-20-19-000-0100

Dear Property Owner:

An investigation of your property was conducted and violation(s) of the City of Lake Worth Beach Code(s), listed on page (3) of this notice, were witnessed on the property. Pursuant to Chapter 2, Article VI, of the City of Lake Worth Beach Code of Ordinances, we request that you correct the violation(s) within 90 day(s) from receipt of this notice, and contact the undersigned Code Compliance Officer, to verify compliance, on or before that date. If you do not understand what is required; or need additional time to correct the violation(s), please contact the Code Compliance Officer to schedule an inspection of the property.

If you FAIL to correct the violation(s), by the time set for compliance above, a public hearing before the Code Enforcement Special Magistrate, which you are required to attend, will be held on January 28, 2021, at 9:00 AM in the City Commission Chambers located at 7 North Dixie Highway, Lake Worth Beach, Florida. If the violation(s) is/are corrected and then re-occurs; the case may be presented to the Special Magistrate, even if the violation has been corrected prior to the Hearing. If you fail to attend the hearing, the Special Magistrate may base the findings solely upon the testimony of the Code Compliance Officer. If you cannot attend the hearing and wish to have someone else appear on your behalf, you must complete and submit a Designation of Agent form, available from the Code Compliance Secretary, before the date of your hearing.

Violation Detail
00010 BUS LIC REQ'D-UTILITY SVC LWCO 14-32
Date Est: February 06, 2020 Location: Qty: 001

Violation Text
Please apply for and obtain a City of Lake Worth Beach Business License. Applications may be submitted to the Building Division located at: 1900 2nd Avenue North, Lake Worth Beach, Florida 33461 or you may contact the Building Division directly at 561-586-1647. Please dial 561-586-1782 to schedule the required use & occupancy inspection. To achieve compliance, an approved use & occupancy inspection must be obtained.
DANIEL HIATT

Violation Detail
00020 USE AND OCCUPANCY CERTIFI LWCO 14-35
Date Est: February 06, 2020 Location: Qty: 001

Violation Text
Please apply for and obtain a City of Lake Worth Beach Business License. Applications may be submitted to the Building Division located at: 1900 2nd Avenue North, Lake Worth Beach, Florida 33461 or you may contact the Building Division directly at 561-586-1647. Please dial 561-586-1782 to schedule the required use & occupancy inspection. To achieve compliance, an approved use & occupancy inspection must be obtained.
DANIEL HIATT

Violation Detail
00030 GEN. REQUIREMENTS LWCO 2-75.6.2
Date Est: February 06, 2020 Location: Qty: 001

Violation Text
PLACE UNIT NUMBERS ON ALL BACK DOORS
REMOVE COUCH AT BACK OF PROPERTY

Violation Detail
00040 LANDSCAPING LWCO 2-75.9
Date Est: February 06, 2020 Location: Qty: 001

Violation Text
REMOVE / REPLACE DEAD PLANTS AT FRONT OF PROPERTY
PLACE GROUND COVER IN DIRT AREA AROUND PLANTS AT FRONT OF THE PROPERTY

Violation Detail
00050 DUMPSTER REQMNTS LWCO 12-7
Date Est: February 06, 2020 Location: Qty: 001

Violation Text
REMOVE OR PLACE DUMPSTER ENCLOSURE FOR THE TWO EXTRA TRASH CANS AT PROPERTY. IF PLACING DUMPSTER ENCLOSURE, OBTAIN PERMIT AND PASS ALL INSPECTIONS

Violation Detail
00060 WHEEL STOPS ANCHORED LWCO 23.4-7(3)
Date Est: February 06, 2020 Location: Qty: 001

Violation Text
PLACE WHEEL STOPS FOR ALL PARKING SPACES.

Violation Detail
00070 PARK'G LOT ARROWS/STRIP LWCO 23.4-7(4)
Date Est: February 06, 2020 Location: Qty: 001

Violation Text
PLACE PARKING LINES IN PARKING AREA.
OBTAIN PERMIT AND PASS ALL INSPECTIONS.

**7 CODE VIOLATIONS
MAGISTRATE HEARING
JANUARY 28, 2021**

Officer Hicks' Confirmation Outstanding Violations

From: Bobby Hicks <bhicks@lakeworthbeachfl.gov>
Sent: Tuesday, January 5, 2021 3:05 PM
To: Brown, Susan M. <Susan.Brown@saul.com>
Subject: RE: Case No: 20-00000390

****EXTERNAL EMAIL** - This message originates from outside our Firm. Please consider carefully before responding or clicking links/attachments.**

The following businesses need either need businesses licenses or inspection.

Daniel Hiatt needs inspection.

Unit 1 Renegade needs businesses licenses.

Unit 11 Flooring Dimensions needs Inspection.

Unit 4 Rodrigo Upholstery needs inspection.

Unit 6 Paul Bange roofing needs inspection.

Unit 7 Most Excellent Design businesses licenses.

If the tenants schedule their inspections at the same time, the inspector can do them all at once. We will only be inspecting the exterior at this time due to COVID.

If any of the businesses are no longer in business please let me know so we can remove them from our system.

There are three dumpsters on the property and only one has an enclosure. You will need to remove two dumpsters or have to dumpster enclosures installed, permits will be required. The one enclosure that is on the property will need to have doors installed at your convenience.

All the other violations have been corrected and are compiled in our system.

If you have any other questions call.

Bobby Hicks.

Request for Affected Party Status

From: Daniel Hiatt <danielhiatt@bellsouth.net>
Sent: Wednesday, December 2, 2020 4:47 PM
To: Erin Sita <esita@LakeWorthBeachfl.gov>
Subject: PBZ PROJECT #20-01400035

Caution: This is an external email. Do not click links or open attachments from unknown or unverified sources.

Dear Ms Sita

I would like to apply for affected party status on the above named project (PZB # 20-01400035)

I also would like to request a minimum of a 30 day postponement on this matter.

My property is directly east of the subject property. Located @ 3599 23rd Ave South, Lake Worth Fl.

LOT # 7 MARLIN INDUSTRIAL PARK.

Thank You Daniel W. Hiatt. 561-389-1989

Sent from [Mail](#) for Windows 10

STAMPED CERTIFICATION OF MAILING

3694 23rd Avenue South 3599 23rd Avenue South

Address (Name, Street, City, State, & ZIP Code ***)

38434420190000100

SNED WILLIAM H JR &
3030 S DIXIE HWY STE 5
WEST PALM BEACH FL 33405 1539

400



38434420190000070

SNED WILLIAM H JR TR &
3030 S DIXIE HWY STE 5
WEST PALM BEACH FL 33405 1539

400

PAPA Banner

Location Address 3694 23RD AVE S

Municipality LAKE WORTH BEACH

Parcel Control Number 38-43-44-20-19-000-0100

Subdivision MARLIN IND PARK

Official Records Book 05420 **Page** 1532

Sale Date SEP-1987

Legal Description MARLIN IND PARK LT 10

Owners

HIATT DANIEL
SNED WILLIAM H JR &

Mailing address

3030 S DIXIE HWY STE 5
WEST PALM BEACH FL 33405 1539

PAPA Banner

Location Address 3599 23RD AVE S 1

Municipality LAKE WORTH BEACH

Parcel Control Number 38-43-44-20-19-000-0070

Subdivision MARLIN IND PARK

Official Records Book 05012 **Page** 1404

Sale Date JUL-1986

Legal Description MARLIN IND PARK LT 7

Owners

HIATT DANIEL TR
SNED WILLIAM H JR TR &

Mailing address

3030 S DIXIE HWY STE 5
WEST PALM BEACH FL 33405 1539

Sales Date	Price	OR Book/Page	Sale Type	Owner
JUL-1986	\$130,700	05012 / 01404	WARRANTY DEED	SNED WILLIAM H JR TR &

Garamy 3550 23rd Avenue South

- Traffic – Approximately 10-15 trucks a day; PBC TPS New Peak Hour Trips 40 AM 23 PM
- Under Utilization of Parcel – More onsite development, will incur more taxes and keep his taxes down
- Cement Dust – Dirt on the Ground



Elise Crohn 402 Elizabeth Road



- Hours of Operation – M-F 7:30 a.m. until 4:00 p.m. Saturday until 12:00 p.m. if necessary.
- Location of Similar Facility – 3665 Benson Ave., Baltimore, MD 21227.
- Site Plan/Building Height Warehouse 27' HT.
- Landscaping 6' pre-cast concrete wall screened with a combination of Laurel Oaks, Silver Buttonwood, Wax Myrtle, and Green Buttonwood trees accented by a cocoplum hedge.



Department of Engineering
and Public Works
P.O. Box 21229
West Palm Beach, FL 33416-1229
(561) 684-4000
FAX: (561) 684-4050
www.pbcgov.com

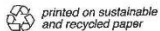
**Palm Beach County
Board of County
Commissioners**

Dave Kerner, Mayor
Robert S. Weinroth, Vice Mayor

Hal R. Valeche
Gregg K. Weiss
Mary Lou Berger
Melissa McKinlay
Mack Bernard

County Administrator
Verdenia C. Baker

"An Equal Opportunity
Affirmative Action Employer"



November 19, 2020

Stephanie A. Kinlen, P.E.
Kimley-Horn and Associates, Inc.
1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411

**RE: 2209 7th Avenue N
Project #: 201107
Traffic Performance Standards Review**

Dear Ms. Kinlen:

The Palm Beach County Traffic Division has reviewed the **2209 7th Avenue N** Traffic Impact Statement, dated November 13, 2020, pursuant to the Traffic Performance Standards in Article 12 of the Palm Beach County Unified Land Development Code (ULDC). The project is summarized as follows:

Municipality: Lake Worth Beach
Location: South side of 7th Ave N, west of 23rd Ave S
PCN: 38-43-44-20-01-066-0010
Access: Two access driveway connections onto 7th Avenue N
(As used in the study and is NOT necessarily an approval by the County through this TPS letter)
Existing Uses: Vacant
Proposed Uses: Gen. Office = 10,042 SF
Warehouse = 26,743 SF
Outdoor Storage = 2.4 Acres
New Daily Trips: 221
New Peak Hour Trips: 40 (35/5) AM; 23 (7/16) PM
Build-out: December 31, 2021

Based on our review, the Traffic Division has determined the proposed development is located within the Lake Worth Park of Commerce Traffic Concurrence Exception Area (TCEA) and therefore, exempt from the Traffic Performance Standards of Palm Beach County.

Please note the receipt of a Traffic Performance Standards (TPS) approval letter does not constitute the review and issuance of a Palm Beach County Right-of-Way (R/W) Construction Permit nor does it eliminate any requirements that may be deemed as site related. For work within Palm Beach County R/W, a detailed review of the project will be provided upon submittal for a R/W permit application. The project is required to comply with all Palm Beach County standards and may include R/W dedication.

No building permits are to be issued by the City after the build-out date specified above. The County traffic concurrence approval is subject to the Project Aggregation Rules set forth in the Traffic Performance Standards Ordinance.



Stephanie A. Kinlen, P.E.
November 19, 2020
Page 2

The approval letter shall be valid no longer than one year from date of issuance, unless an application for a Site Specific Development Order has been approved, an application for a Site Specific Development Order has been submitted, or the approval letter has been superseded by another approval letter for the same property.

If you have any questions regarding this determination, please contact me at 561-684-4030 or email QBari@pbcgov.org.

Sincerely,

Quazi Bari, P.E., PTOE
Manager – Growth Management
Traffic Division

QB:HA:rb
cc: Addressee
Erin Fitzhugh Sita, AICP, Assistant Director-Planning, Zoning, & Preservation Community Sustainability Department, City of Lake Worth Beach
Hanane Akif, E.I., Project Coordinator II, Traffic Division
Steve Bohovsky, Technical Assistant III, Traffic Division

File: General - TPS - Mun - Traffic Study Review
PATRAFFIC/HAMUNICIPALITIES/APPROVALS/2020/201107 - 2209 7TH AVE.DOCXN

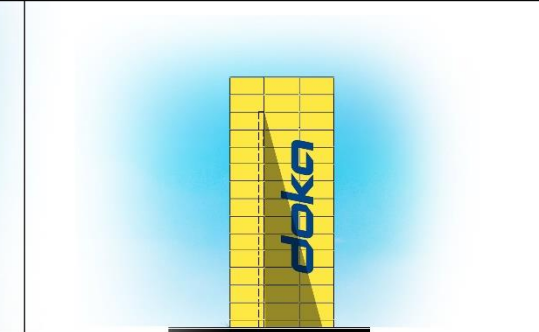
New Peak Hour Trips: 40 (35/5) AM; 23 (7/16) PM
Build-out: December 31, 2021

7th Avenue Frontage





1 NORTH ELEVATION
1/8" = 1'-0"



1 PARTIAL EAST ELEVATION
1/8" = 1'-0"



2 EAST ELEVATION
1/8" = 1'-0"

UMDASCH REAL
ESTATE USA, LTD
Office/Industrial Facility at
2209 7th Avenue North
City of Lake Worth Beach, Florida

ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF HNM ARCHITECTURE.



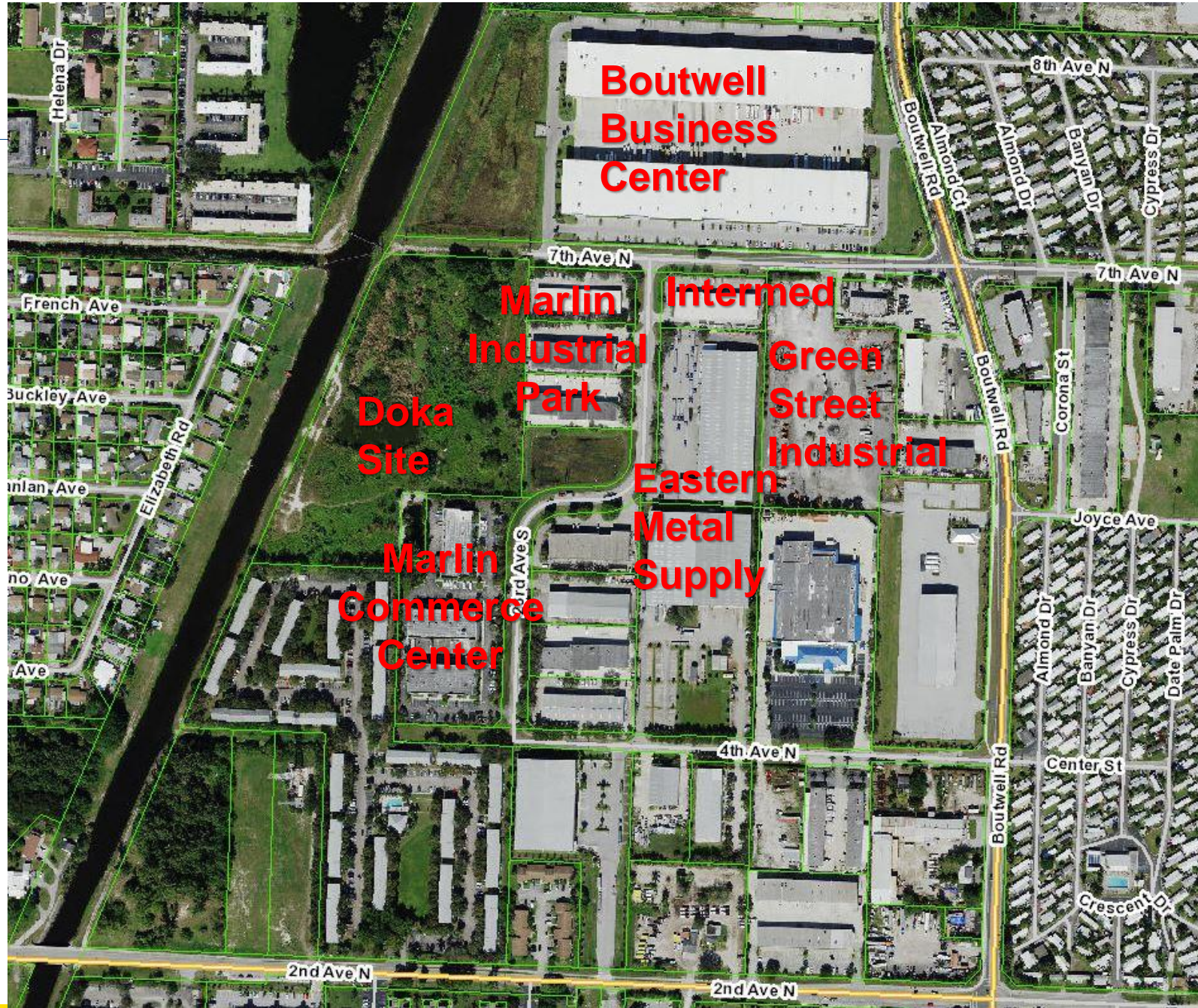
PROJECT NO. 19-009.1
DATE: 2020-09-02
SCALE: 1/8" = 1'-0"

PROJECT NO. 19-009.1
DATE: 2020-09-02
SCALE: 1/8" = 1'-0"

NORTH & EAST
RENDER ELEVATIONS

SCALE: 1/8" = 1'-0"

A4.4



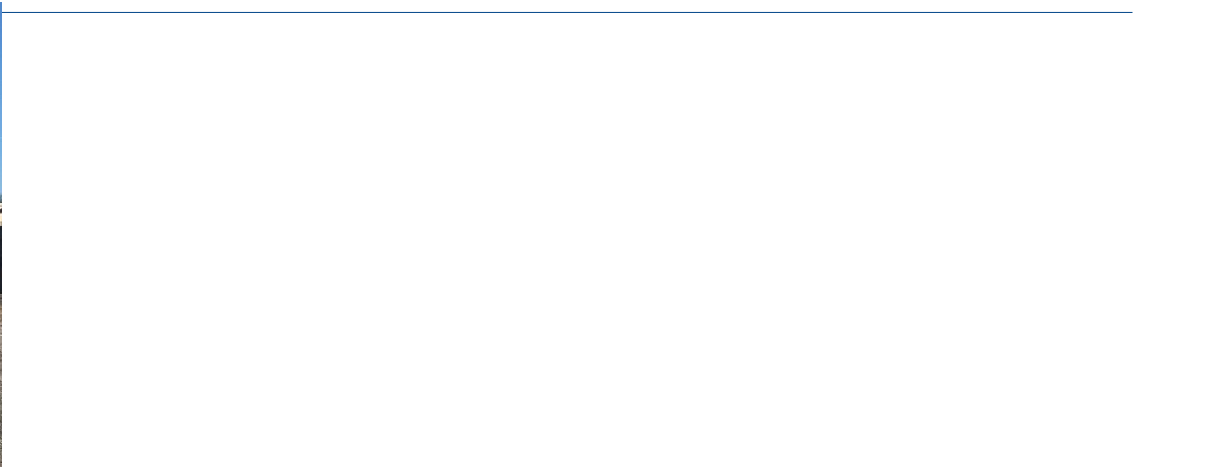
Boutwell Business Center



Eastern Metal Supply



Green Street Industrial





DATE: December 30, 2020

TO: Members of the Planning and Zoning Board

FROM: Andrew Meyer, Senior Community Planner

THRU: William Waters, AIA, NCARB, LEED, AP BD+C, ID, SEED, Director for Community Sustainability

MEETING: January 6, 2021

SUBJECT: **PZB Project Number 20-01400035**: Consideration of a Major Site Plan with Sustainable Bonus and Conditional Use Permit to construct a +/-47,000 square foot distribution facility and repair and maintenance uses within the Industrial Park of Commerce (I-POC) zoning district commonly referred to as “Umdasch/Doka” and located at 2209 7th Avenue North, PCN # 38-43-44-20-01-066-0010.

PROJECT DESCRIPTION:

The Applicant, Lisa Reves of Saul, Ewing, Arnstein and Lehr on behalf of Umdasch Real Estate USA, Ltd., is requesting approval of Umdasch/Doka, a project located at 2209 7th Avenue North and consisting of the following:

- 1.) **Major Site Plan** for the development of an industrial building in excess of 7,500 square feet. (page 4)
- 2.) **Sustainable Bonus Program Incentive** to gain an increase in increase in building height to 31 ft. (page 8)
- 3.) **Conditional Use Permit** to establish “distribution facility” and “repair and maintenance – major” uses greater than 7,500 square feet (page 9)

Umdasch/Doka consists of an industrial building totaling 47,927 gross square feet in floor area. The building is composed of 3 sections; a 10,150 gsf office, a 26,617 gsf enclosed warehouse/maintenance shop, and 11,160 gsf canopy structure. In addition, a 104,342 outdoor storage area is located east of the building. The facility will store formwork and conduct repair operations on construction equipment. According to the application, the facility will operate between 7:30 AM and 4:00 PM, Monday through Friday, and between 7:30 AM and 12:00 PM on Saturdays as needed.

Staff Recommendation:

Staff has reviewed the documentation and materials provided, applying the applicable guidelines and standards found in the City of Lake Worth Zoning Code, Comprehensive Plan, and Strategic Plan. The proposed development meets the criteria of the Comprehensive Plan and LDRs. Staff recommends the Board approve the Major Site Plan, Conditional Use Permit, and Sustainable Bonus Program Incentive as conditioned on pages 14-15.

PROPERTY DESCRIPTION:

Applicant	Lisa Reves of Saul, Ewing, Arnstein and Lehr on behalf of Umdasch Real Estate USA, Ltd.
Owner	LW Industrial LLC
General Location	South of the western terminus of 7 th Ave N, east of the E-4 Canal
Existing PCN Number	38-43-44-20-01-066-0010

Existing Land Use	Vacant Lot
Zoning	Industrial Park of Commerce (I-POC)
Future Land Use Designation	Industrial (I)

ZONING MAP:



BACKGROUND:

The subject property is currently vacant. The site has been vacant and undeveloped until the 1950s when land was cleared on the southern end and used as a landfill. The filling operations appeared to cease in the late 1970s and the property became overgrown and remained undeveloped until 2011, when there was an expansion of the pond at the north end of the lot. Since that time, the property has remained undeveloped.

ANALYSIS:**Consistency with the Comprehensive Plan and Strategic Plan**

The project has a future land use of Industrial (I). Per Policy 1.1.1.10, the Industrial (I) FLU is established to provide for the establishment and enlargement of office, manufacturing and light to moderate industrial uses that would be incompatible in other areas of the city due to increased traffic generation. The implementing zoning district is I-POC. The proposed development will contain distribution facility and repair and maintenance uses which are moderate industrial uses and therefore is consistent with the intent of the I FLU. Furthermore, Policy 1.7.1.4 states that “the City shall encourage new development proposals within the LWPOC, with emphasis on those at the north and south entrance of the Park of Commerce along Boutwell Road, to be consistent with the goal to create a quality office/industrial park, as established in the LWPOC Conceptual Plan.” This project is a new development proposal within the LWPOC with proposed use consistent with the future land use designation and strategic plan.

The City’s Strategic Plan focuses on fostering safer neighborhoods, encouraging community pride, building a vibrant and diverse economy, planning for the future, and enhancing the natural, historic, and cultural environment of the City. Pillar I.A of the Strategic Plan states that the City shall ensure effective economic development incentive zones. Further, Pillars IV.A, IV.C, and IV.D of the Strategic Plan state that the City shall achieve economic and financial sustainability through a versatile and stable tax base, facilitate environmental sustainability through regional partnership and planning, and influence the supply and expansion of jobs. The proposed warehouse, maintenance, and distribution center is an economic development project that will increase local jobs within the City and contribute towards the City’s tax base by developing a vacant 9.7-acre parcel. In addition, Umdasch Real Estate USA, Ltd. intends to enter into an agreement with the Florida Department of Environmental Protection for rehabilitation and redevelopment of the property, which is currently designated as a brownfield. As such, the use is consistent with Pillars I.A, Pillar IV.A, IV.C, and Pillar IV.D. The remaining Pillars in the Strategic Plan are not applicable to this application.

Based on the analysis above, the proposed development is consistent with the goals, objectives, and polices of the City of Lake Worth Beach’s Comprehensive Plan and Strategic Plan.

Consistency with the City’s Land Development Regulations

The Department of Community Sustainability is tasked in the Code to review planned development applications in accordance with the City’s LDRs (see analysis below) and to provide a recommendation for whether the application should be approved, approved with conditions, or denied.

Industrial Park of Commerce (I-POC) Per LDR Section 23.3-24(a), the I-POC zoning district is intended to provide for the establishment and enlargement of office, manufacturing and light industrial uses without restriction on traffic generating characteristics. The I-POC district is also intended to permit the establishment of certain other uses which are compatible with industrial operations. The proposed industrial development provides light industrial uses. As such, the proposal is consistent with the intent of the I-POC district.

The table below shows the proposed site features and its compliance with the Code, factoring in the Sustainable Bonus incentives:

Development Standard		Base Zoning District	Provided
Lot Size (min) In square feet (sf)		13,000 sf	455,500 sf
Lot Width (min)		100'	400'
Setbacks	Front (min)	20'	25'
	Rear (min)	10'	318'
	Interior Side (min)	0'	West: 82.5' / East: 192'
Impermeable Surface Coverage (maximum)		65%	55%
Structure Coverage (max)		55%	10.3%
Parking		63 (25 office, 38 industrial)	70
Building Height (max)		45' under sustainable bonus	31'
Floor Area Ratio (FAR) (max)		1.1	.10

Building Height: The maximum building height by right for projects in the I-POC zoning district is 30 feet, with the potential to go to 45 feet by satisfying the requirements of the sustainable bonus incentive program. The proposed building height for this project is 31 feet, or 1 foot taller than the maximum building height by right. The extra building height is being sought in order to provide a parapet in order to screen rooftop equipment from adjacent properties. Staff reviewed the sustainable bonus incentive program applied for the extra building height, and found it to be consistent with the city's LDRs. Staff's analysis of the sustainable bonus can be found on page 8.

Landscaping: Overall, the development proposal complies with the City's landscape regulations. The project proposes Compact Firebush, Pigeon Plum, Dwarf Fakahatchee Grass, and Verawood along the entrance at 7th Avenue North. The project also proposes buffering the wall and site from the single-family to the west with Laurel Oak, Wax Myrtle, Silver Buttonwood, Green Buttonwood, and Southern Live Oak.

Walls/Fences: The site plan proposes a 6' high precast concrete wall along the southern and eastern boundaries of the site to provide buffering from the single-family and multi-family uses near the site. The wall will also be landscaped to provide extra buffering to these residential uses. In addition, the project also proposes an 8' high chain link fence along the eastern edge of the property. This chain link fence will be screened with landscape material for screening of the outdoor area. The material of the chain link fence has been proposed as galvanized. Section 24.4-4 of the City's LDRs require that chain link fencing be either black or dark green vinyl coated. Further, the fencing 10' from the northern property line along 7th Avenue will need to be an opaque fencing type or be setback a minimum of 20'. A condition has been added to the conditions of approval requiring all fencing on site to be in conformance with Sections 23.4-4 and 23.4-19; fencing adhering to this condition will be in conformance with the City's LDRs. Fencing material modifications will be reviewed at building permit for consistency with these code sections.

Master Development Plan (Major Site Plan):

A master site plan is required in conjunction with a mixed use urban planned development. The review criteria below are intended to promote safety and minimize negative impacts of development on its neighbors by establishing qualitative requirements for the arrangements of buildings, structures, parking areas, landscaping and other site improvements.

Section 23.2-31(c): Qualitative Development Standards

1. *Harmonious and efficient organization.* All elements of the site plan shall be harmoniously and efficiently organized in relation to topography, the size and type of plot, the character of adjoining property and the type and size of buildings. The site shall be developed so as to not impede the normal and orderly development or improvement of surrounding property for uses permitted in these LDRs.

Staff Analysis: The project site is organized so that the most intense uses are oriented toward the north end of the site, closer to like industrial uses and away from the single-family and multi-family residential uses west and south of the site. The office portion of the building is oriented toward 7th Avenue North and contains large windows which positively contributes to the aesthetic of 7th Avenue North in this location. The building on the site contains overhead doors. The applicant has stated that the doors which face the residential area to the west will remain closed for most of the day and will be opened and closed 5-8 times per week total. In addition, these doors will be screened with native trees and a 6' high pre-cast wall. The overhead doors located on the east side of the building will be opened and closed more frequently, and these have been oriented towards adjacent industrial zoned properties to minimize impacts. **Meets Criterion.**

2. *Preservation of natural conditions.* The natural (refer to landscape code, Article 6 of these LDRs) landscape shall be preserved in its natural state, insofar as practical, by minimizing tree and soil removal and by such other site planning approaches as are appropriate. Terrain and vegetation shall not be disturbed in a manner likely to significantly increase either wind or water erosion within or adjacent to a development site. Natural detention areas and other means of natural vegetative filtration of stormwater runoff shall be used to minimize ground and surface water pollution, particularly adjacent to major waterbodies as specified in Part II, Chapter 12, Health and Sanitation, Article VIII, Fertilizer Friendly Use Regulations. Fertilizer/pesticide conditions may be attached to development adjacent to waterbodies. Marinas shall be permitted only in water with a mean low tide depth of four (4) feet or more.

Staff Analysis: The lot as it exists today are completely vacant, and contain a mixture of Royal Poinciana, Ficus, Cabbage Palm, Southern Live Oak, Tropical Almond, and Mango Trees. The property is located in the Greater Lake Worth Park of Commerce Area, which the City designated as a brownfield area through Resolution Number 03-2009, approved on March 3, 2009. The city has been advised by Umdasch Real Estate USA, Ltd. That it intends to enter into a brownfield site rehabilitation agreement with the Florida Department of Environmental Protection for rehabilitation and redevelopment of the property. The proposed landscape plan depicts native tree species, such as Laurel Oak, Wax Myrtle, Silver Buttonwood, Green Buttonwood, and Southern Live Oak along all property lines. Staff has reviewed the landscape plan and finds the proposed landscaping meets the landscape code and sufficiently replaces the existing landscaping proposed to be removed from the site. **Meets Criterion.**

3. *Screening and buffering.* Fences, walls or vegetative screening shall be provided where needed and practical to protect residents and users from undesirable views, lighting, noise, odors or other adverse off-site effects, and to protect residents and users of off-site development from on-site adverse effects. This section may be interpreted to require screening and buffering in addition to that specifically required by other sections of these LDRs, but not less.

Staff Analysis: The project proposes landscaping along the perimeter of the property. Additional tree landscaping, along with a 6' high pre-cast wall is also proposed along the western property line to provide buffering of the site from the existing single-family residences to the west. The trees comprising of this buffer include Laurel Oak, Wax Myrtle, Silver Buttonwood, Green Buttonwood, and Southern Live Oak. The precast concrete wall also continues along the southern edge of the site and buffers the site from the multi-family residences to the south. In addition, 71 bald cypress trees have been proposed between the lake and the precast wall along the southern property line adjacent to the multi-residential development. **Meets Criterion**

4. *Enhancement of residential privacy.* The site plan shall provide reasonable, visual and acoustical privacy for all dwelling units located therein and adjacent thereto. Fences, walls, barriers and vegetation shall be arranged for the protection and enhancement of property and to enhance the privacy of the occupants.

Staff Analysis: While the proposed industrial project does not contain any dwelling units, there are existing residential dwelling units to the west and south of the project site. The site provides a 6' wall with vegetation to buffer the site's impacts and provide additional residential privacy. **Meets Criterion.**

5. *Emergency access.* Structures and other site features shall be so arranged as to permit emergency vehicle access by some practical means to all sides of all buildings.

Staff Analysis: The building has been oriented on the lot to be closest to 7th Avenue North. This building is directly adjacent to the right-of-way to allow for ease of access by emergency vehicles. **Meets Criterion.**

6. *Access to public ways.* All buildings, dwelling units and other facilities shall have safe and convenient access to a public street, walkway or other area dedicated to common use; curb cuts close to railroad crossings shall be avoided.

Staff Analysis: The building fronts 7th Avenue North and the site has 3 access points from the right-of-way. The project is not nearby any railroad crossings. **Meets Criterion.**

7. *Pedestrian circulation.* There shall be provided a pedestrian circulation system which is insulated as completely as reasonably possible from the vehicular circulation system.

Staff Analysis: The pedestrian circulation from the right-of-way to the office entrance avoids as much conflict with vehicular circulation as possible, with the pedestrian crossings located at the point where vehicles stop to turn on/off of 7th Avenue North. The pedestrian circulation does not cross through any vehicular circulation areas within the site and provides direct access to the building. **Meets Criterion.**

8. *Design of ingress and egress drives.* The location, size and numbers of ingress and egress drives to the site will be arranged to minimize the negative impacts on public and private ways and on adjacent private property. Merging and turnout lanes traffic dividers shall be provided where they would significantly improve safety for vehicles and pedestrians.

Staff Analysis: As stated earlier, the site has 3 access points from 7th Avenue North. This portion of 7th Avenue North is currently not paved and will be improved as part of the construction of this project. No other properties obtain access from this portion of 7th Avenue North adjacent to the project site, and as such there is no anticipated negative impact on adjacent properties. **Meets Criterion.**

9. *Coordination of on-site circulation with off-site circulation.* The arrangement of public or common ways for vehicular and pedestrian circulation shall be coordinated with the pattern of existing or planned streets and pedestrian or bicycle pathways in the area. Minor streets shall not be connected to major streets in such a way as to facilitate improper utilization.

Staff Analysis: All common ways off the project site will circulate traffic internally on the site and will not connect with any other right-of-way as no such other rights-of-ways exist adjacent to the property. **Meets Criterion.**

10. *Design of on-site public right-of-way.* On-site public street and rights-of-way shall be designed for maximum efficiency. They shall occupy no more land than is required to provide access, nor shall they unnecessarily fragment development into small blocks. Large developments containing extensive public rights-of-way shall have said rights-of-way arranged in a hierarchy with local streets providing direct access to parcels and other streets providing no or limited direct access to parcels.

Staff Analysis: An additional right-of-way dedication for 7th Avenue North is depicted on the site plan along the property's northern boundary to the E-4 Canal. Based on the nature of use and proposed traffic circulation on the site, no other on-site right-of-way is being dedicated. Therefore, this criterion does not apply. **Meets Criterion.**

11. *Off-street parking, loading and vehicular circulation areas.* Off-street parking, loading and vehicular circulation areas shall be located, designed and screened to minimize the impact of noise, glare and odor on adjacent property.

Staff Analysis: The site proposes 3 points of ingress/egress. The westernmost ingress/egress point is for personal and regular-sized vehicles. The two easterly points of ingress/egress will be for larger truck traffic. These have been located away from the single-family and multi-family residences to the west and south to minimize the impact of noise, glare and odor to these properties. The loading and unloading of equipment and materials occurs east of the building, which helps minimize the impact of noise, glare, and odor to the single-family and multi-family residences on the opposite side of the building to the west. **Meets Criterion.**

12. *Refuse and service areas.* Refuse and service areas shall be located, designed and screened to minimize the impact of noise, glare and odor on adjacent property.

Staff Analysis: The site plan shows the refuse area is located toward the middle of the site and away from any existing property lines. The dumpster enclosure is also screened and opens toward the building and away from any adjacent properties, minimizing the impact of noise, glare and odor on adjacent property. **Meets Criterion.**

13. *Protection of property values.* The elements of the site plan shall be arranged so as to have minimum negative impact on the property values of adjoining property.

Staff Analysis: As stated earlier in this staff report, the elements of the site plan are arranged insofar as feasible to minimize negative impacts to property values of adjoining properties. The site provides landscaping and buffering from adjacent properties, and orients building and site activities and circulation away from adjacent properties. **Meets Criterion.**

14. *Transitional development.* Where the property being developed is located on the edge of the zoning district, the site plan shall be designed to provide for a harmonious transition between districts. Building exteriors shall complement other buildings in the vicinity in size, scale, mass, bulk, rhythm of openings and character. Consideration shall be given to a harmonious transition in height and design style so that the change in zoning districts is not accentuated. Additional consideration shall be given to complementary setbacks between the existing and proposed development.

Staff Analysis: The project is located on the western edge of the Industrial Park of Commerce zoning district and along the city's western boundary following the E-4 Keller Canal. The project provides for a 6' pre-cast concrete wall and landscaping on the edge of the zoning district's boundaries with adjacent mixed-use and residential zoning districts. Yard operations and circulations are located away from these properties and setbacks are provided to minimize the impact. **Meets Criterion.**

15. *Consideration of future development.* In finding whether or not the above standards are met, the review authority shall consider likely future development as well as existing development.

Staff Analysis: The project as proposed does not anticipate any future development at the site. Any future proposed development not included as part of this application must go through the applicable land development process for full review. Overall, the project meets the intent of the Land Development Regulations and Comprehensive Plan. **Meets Criterion.**

Section 23.2-31(l): Community Appearance Criteria

1. The plan for the proposed structure or project is in conformity with good taste, good design, and in general contributes to the image of the city as a place of beauty, spaciousness, harmony, taste, fitness, broad vistas and high quality.

Staff Analysis: The design of the project reflects modern architectural styles generally associated with good taste and design. The office portion has large windows that face the right-of-way and allow natural light into the space, with more intense uses oriented toward the rear of the site, away from the right-of-way. The project also provides a lake on-site, as well as a pre-cast concrete wall and landscape buffering which shields and buffers the uses from the single and multi-family uses to the west and south of the project site. The project provides architectural embellishments that are colored to match the business branding, however these are kept to a minimum and are in good taste and design. **Meets Criterion.**

2. The proposed structure or project is not, in its exterior design and appearance, of inferior quality such as to cause the nature of the local environment or evolving environment to materially depreciate in appearance and value.

Staff Analysis: The project utilizes industry standard materials that are neutral and generally compatible with the local environment. **Meets Criterion.**

3. The proposed structure or project is in harmony with the proposed developments in the general area, with code requirements pertaining to site plan, signage and landscaping, and the comprehensive plan for the city, and with the criteria set forth herein.

Staff Analysis: The project uses a modern design aesthetic which is similar to and appropriate with other existing buildings and proposed projects which have been approved in the surrounding area. **Meets Criterion.**

4. The proposed structure or project is in compliance with this section and 23.2-29, as applicable.

Staff Analysis: The project’s compliance with the community appearance and conditional use criteria is detailed within this staff report. **Meets Criterion.**

Sustainable Bonus Incentive Program:

The City of Lake Worth Sustainable Bonus Incentive Program (SBIP) is intended to implement Objective 1.2.3 of the City’s Comprehensive Plan which states the City shall establish incentives to help support the creation of a compact, sustainable, community-oriented development by implementing a Sustainable Bonus Incentive Program. The Program offers the opportunity to attain an option for increased height and/or FAR in exchange for the incorporation of sustainable design features, community-based improvements and overall design excellence as part of a development proposal.

Based on the calculation of the additional height as part of the SBIP, the Applicant is asking for a bonus height of 1 foot, for a total building height of 31 feet. This additional foot in building height is not for the entire building, but the office portion of the building. The total square footage of bonus area under Sustainable Bonus is 5,565 square which results in a value of required improvements for the Sustainable Bonus allowance of \$8,347.50 (\$1.50 per square foot industrial bonus). Below is the Applicant’s schedule of improvements to meet and exceed the requirements of the Sustainable Bonus and Planned Development.

Improvement Detail (type of amenity)	Valuation Amount	Calculation Details
Precast wall along west property line	\$97,500	Difference between pre-cast wall and minimum fencing required by code: Precast Wall: \$100 per Linear Foot x 1,300 Linear Feet = \$130,000 Chain-link fence with screening: \$25 per Linear Foot x 1,300 Linear Feet = \$32,500

Total Value of Improvements/Design Excellence Required: <u>\$8,347.50</u>	Total Value of Improvements/Design Excellence Provided: <u>\$97,500</u>
--	--

Section 23.2-33(c)(2): Review/decision

(a) Is the award calculated correctly, consistent with the square footage and height requested and the value of the features and improvements included in the development proposal?

Staff Analysis: The development proposal is consistent with the increase in height requested. The Applicant is asking for a bonus height of 1 foot, for a total building height of 31 feet. The total square footage of bonus area is 5,565 square feet. Therefore, the total value of required improvements is \$8,347.50 (\$1.50 per square foot for industrial bonus height of 5,565 square feet). The Applicant will be providing improvements above the code required minimums equivalent to \$97,500, which exceeds the requirements of the Sustainable Bonus and Planned Development program. **Meets Criterion.**

(b) Do the proposed on-site features or improvements adequately provide sustainable project enhancements beyond those otherwise required by these LDRs for the development proposal that are attainable and reasonable in the context of the proposed project?

Staff Analysis: The proposed on-site features and improvements provide enhancements that exceed the base requirements of the LDRs. The project will provide a wall on the west and south side of the property, which provides a greater degree of buffering than a fence required by code. The wall is above and beyond the minimum requirements of the code, and the difference in value between the fence and the wall meets the required valuation of the SBIP. **Meets Criterion.**

(c) Do the proposed off-site improvements meet the priorities of the City for community sustainability?

Staff Analysis: The project is not including off-site improvements toward the SBIP credit. **Meets Criterion**

(d) Do the proposed features, improvements or fees-in-lieu meet the intent of the SBIP?

Staff Analysis: As identified by the criteria above, the proposed features and improvements incorporated into the development proposal are beyond the base requirements of the LDRs and provide additional amenities and an aesthetic improvement beyond what is required by the LDRs. Thus, the proposed development meets the intent of the SBIP. **Meets Criterion.**

Conditional Use Permit:

Conditional uses are those uses that are generally compatible with the other uses permitted in a district, but that require individual review of their location, design, structure, configuration, density and intensity of use, and may require the imposition of conditions pertinent thereto in order to ensure the appropriateness and compatibility of the use at a particular location and to prevent or minimize potential adverse impacts to the surrounding area. Conditional uses are required to be reviewed against the criteria in Section 23.2-29(d) and Section 23.2-29(e). The required analysis is provided below.

Section 23.2-29(d): General findings relating to harmony with LDRs and protection of public interest

The proposed project is consistent with the general findings relating to harmony with the LDRs and protection of public interest, as follows:

1. The conditional use exactly as proposed at the location where proposed will be in harmony with the uses which, under these LDRs and the future land use element, are most likely to occur in the immediate area where located.

Staff Analysis: The site contains a base zoning designation of I-POC and is adjacent to I-POC zoned property to the north and east, Mixed-Use West (MU-W) zoned property to the south, and residential land use to the west on the opposite side of the E-4 canal. Based on the intent of the I-POC zoning district, the types of uses most likely to occur in this district are the establishment and enlargement of office, manufacturing and light industrial uses. The subject proposal is consistent with the types of uses anticipated to occur within the I-POC district. In addition, the site is designed with features to help buffer the site from nearby incompatible uses; these are described in the below criterion. Therefore, the proposed project is compatible and harmonious with the existing and anticipated surrounding uses. **Meets Criterion.**

2. The conditional use exactly as proposed at the location where proposed will be in harmony with existing uses in the immediate area where located.

Staff Analysis: The existing uses in the surrounding area are as follows:

Direction	Future Land Use	Zoning District	Current Use
North (across 7 th Avenue North)	I	I-POC	Distribution Warehouse, Office (Boutwell Business Center)
South (adjacent)	I/MU-W	I-POC/MU-W	Warehouse (Marlin Commerce Center)/Multi-Family Residential
East (adjacent to and across the E-4/Keller Canal)	Residential High Density (PBC)	Medium-Density Residential (PBC)	LWDD ROW, and Single-Family Residences
West (adjacent)	I	I-POC	Warehouse/Storage

Per the Palm Beach County Property Appraiser, the subject site is surrounded by a mixture of warehouse, single-family, multi-family, and office uses. The property locates the warehouse building to the north of the site and away from the multi-family uses to the south of the site, reducing its impact on those properties. In addition, a 6' concrete wall with landscaping faces the residential uses to the west and across the E-4 canal, which buffers the warehouse building from these uses. Staff finds that the use is in harmony with the surrounding industrial uses, and finds that the site provides adequate features which help buffer the proposed uses from adjacent, incompatible uses. **Meets Criterion.**

3. The conditional use exactly as proposed will not result in substantially less public benefit or greater harm than would result from use of the Property for some use permitted by right or some other conditional use permitted on the Property.

Staff Analysis: The approval of this conditional use will provide urban infill development that is consistent with the intent of the I-POC zoning district and I future land use category. As such, the proposal is not anticipated to result in less public benefit than other permitted or conditional uses. **Meets Criterion.**

4. The conditional use exactly as proposed will not result in more intensive development in advance of when such development is approved by the future land use element of the comprehensive plan.

Staff Analysis: The proposed project is utilizing the City's SBIP bonuses for an additional 1 foot of building height. The increase in building height will allow for the screening of rooftop equipment located above the office portion of the proposed building. Staff's analysis of the SBIP can be found on page 8. The project is consistent with the goals, objectives, and polices of the City of Lake Worth Beach's Comprehensive Plan and will not result in a more intensive development than what the Plan anticipates. **Meets Criterion.**

Section 23.2-29(e): Specific standards for all conditional uses

1. The proposed conditional use will not generate traffic volumes or movements, which will result in a significant adverse impact or reduce the level of service provided on any street to a level lower than would result from a development permitted by right.

Staff Analysis: Based on the Florida Department of Transportation's 8th Edition Trip Generation Table, the construction of a 47,927 gross square foot warehouse is anticipated to generate approximately 171 daily trips and 15 PM Peak trips. Typical uses permitted by right in the I-POC zoning district are under 2,500 square feet, and include gyms/fitness studios and administrative/professional services. If the property was subdivided or rented to individual, small, by-right tenants with uses less than 2,500 square feet and totaling 47,927 square feet, then the trips generated would be greater than the trips generated for the proposed use. For example, 47,927 square feet of individual gyms/fitness studios use would generate 1,578 trips in total, and 47,927 square feet of individual administrative/professional services use would generate 528 trips in total. As such, the proposed conditional use will not generate traffic volumes or movements which would result in a significant impact greater than a development permitted by right. In addition, a Traffic Performance Standards (TPS) Letter from the Palm Beach County Traffic Division indicates that the project is located within the Lake Worth Park of Commerce Traffic Concurrency Exception Area (TCEA) and is exempt from the Traffic Performance Standards of Palm Beach County. **Meets Criterion.**

2. The proposed conditional use will not result in a significantly greater amount of through traffic on local streets than would result from a development permitted by right and is appropriately located with respect to collector and arterial streets.

Staff Analysis: The I-POC zoning district allows for the establishment of industrial uses without restriction on traffic generating characteristics. As stated in the above criterion, only uses under 2,500 square feet are permitted by right in the I-POC zoning district. If these uses were developed individually on separate lots over time to an intensity equal in square footage to the proposed project, they would generate traffic in excess of the traffic generated by the proposed use. The site will not be open to the general public and will only be open to customers picking up rental equipment. There is no showroom or retail store. Therefore, the traffic generated from the proposed mixed-use development will not be significantly greater than that of adjacent uses and other anticipated uses in this area. **Meets Criterion.**

3. The proposed conditional use will not produce significant air pollution emissions, to a level compatible with that which would result from a development permitted by right.

Staff Analysis: The mixed-use project is not anticipated to produce significant air pollution emissions that are greater than that of a development permitted by right. The applicant states that no manufacturing or fabrication will occur on-site. The repair and maintenance of rented equipment will be done indoors. The proposed use of a distribution facility and repair and maintenance do not pose a pollution hazard to the nearby properties. **Meets Criterion.**

4. The proposed conditional use will be so located in relation to the thoroughfare system that neither extension nor enlargement nor any other alteration of that system in a manner resulting in higher net public cost or earlier incursion of public cost than would result from development permitted by right.

Staff Analysis: The project is not anticipated to cause a higher net public cost or earlier incursion of public cost than what would result from a development permitted by right. **Meets Criterion.**

5. The proposed conditional use will be so located in relation to water lines, sanitary sewers, storm sewers, surface drainage systems and other utility systems that neither extension nor enlargement nor any other alteration of such systems in a manner resulting in higher net public cost or earlier incursion of public cost than would result from development permitted by right.

Staff Analysis: The project will be utilizing the existing City utility lines installed in late 1980s/early 1990s. The sewer main is considered maximum size for an industrial area. No adverse impact to infrastructure or public utilities is anticipated to occur as a result of this request. **Meets Criterion.**

6. The proposed conditional use will not place a demand on municipal police or fire protection service beyond the capacity of those services.

Staff Analysis: The proposed development is not anticipated to place a demand on municipal police or fire protection service beyond the capacity of those services. In attempt to reduce the crime potential at this location, the application proposes controlling access to the site through the use of security gates that will restrict access to the site. **Meets Criterion.**

7. The proposed conditional use will not generate significant noise, or will appropriately mitigate anticipated noise to a level compatible with that which would result from a development permitted by right. Any proposed use must meet all the requirements and stipulations set forth in section 15.24, Noise control.

Staff Analysis: Unreasonable noise, which is defined in Section 15.24-1, is prohibited in the City when:

- Equal to or greater than 65 dba between 11:00 p.m. and 8:00 a.m., Sunday through Thursday
- Greater than 85 dba between 8:00 a.m. and 11:00 p.m., Sunday through Thursday
- Equal to or greater than 65 dba between 12:00 a.m. and 8:00 a.m., Friday through Saturday
- Equal to or greater than 85 dba between 8:00 a.m. and 12:00 a.m., Friday through Saturday

Based on the uses being proposed, the project is conditioned to prohibit generating noise levels that exceed Section 15.24. **Meets Criterion.**

8. The proposed conditional use will not generate light or glare which encroaches onto any adjacent property in excess of that allowed in Section 23.4-3, Exterior lighting.

Staff Analysis: The proposed project will not generate light or glare that would negatively impact the surrounding properties. Based on the photometric plan submitted, the proposed development complies with LDR Section 23.4-3, Exterior Lighting. **Meets Criterion.**

Section 23.4-19: Outdoor Storage

1. Outdoor storage in residential districts. Outdoor storage in residential districts for residential purposes shall be limited to domestic equipment and normal supplies necessary for residents. Storage shall not be permitted in any front yard.

Staff Analysis: This project is not located in a residential district, therefore this criterion does not apply.

2. Outdoor storage industrial. Outdoor storage in the I-POC industrial district shall be permitted only as accessory to an approved principal use. All such storage shall be completely screened from all public rights-of-way and any adjacent property that is zoned for residential or mixed use. Outdoor storage of equipment, vehicles, boats, parts, materials, or chemicals are required to be stored on an impervious paved surface to reduce pollutants in storm water runoff.

Staff Analysis: The outdoor storage as part of this proposal is accessory to the distribution facility and repair and maintenance uses seeking approval through this Conditional Use Permit. The outdoor storage areas are screened from the residential areas to the south and west, and conditions of approval have been added to ensure the areas are screened from all rights-of-ways in accordance with this section and Section 23.4-4. **Meets Criterion.**

3. Outdoor storage in planned development and mixed use districts. Outdoor storage facilities shall be limited to the following:

- a. Outdoor storage of merchandise for sale within the establishment located on the site shall be limited to the area located between the front façade and the public right-of-way and shall only be outside of the building during hours of operation. However, this does not apply to the outdoor display of vehicles for sale or rent.
- b. In any commercial planned development, all outdoor storage shall be expressly approved by the city commission as part of the ordinance adopting the commercial planned development.
- c. Approval of outdoor storage in a commercial planned development or mixed use district shall include mitigation measures to protect adjacent properties from the impacts of the outdoor storage.

Staff Analysis: The proposed project is not located within a planned development or mixed-use district, therefore this criterion does not apply.

4. The outdoor storage of all licensed vehicles that are being repaired must be screened from all public rights-of-way or stored completely within an enclosed structure. There shall be no storage of junk or unlicensed vehicles within the public right-of way at any time.

Staff Analysis: There are no vehicle repair uses associated with the operations of the site, therefore this criterion does not apply.

5. The outdoor storage of unlicensed vehicles and/or junked vehicles, boats, machinery, trucks, trailers, mobile homes and heavy equipment vehicles is prohibited, except in approved junk yards or the temporary storage of such vehicles on a lot or parcel approved and containing an active business license for vehicle towing.

Staff Analysis: There will be no unlicensed and/or junked vehicles stored on-site, therefore this criterion does not apply.
Meets Criterion.

Public Support/Opposition:

Staff has received five letters opposing the petition. Mr. Daniel Hiatt, who is a property owner within 400 feet of the subject property, has requested to be an affected party.

CONCLUSION:

The proposed request for a Major Site Plan, Conditional Use Permit, and Sustainable Bonus Program Incentive is consistent with the purpose, intent and requirements of the Comprehensive Plan, underlying zoning district, and surrounding areas as subject to compliance with staff's proposed conditions of approval. Therefore, staff recommends that the Board recommend approval of the proposed request with the conditions below:

CONDITIONS OF APPROVAL:

Electric:

1. Prior to the issuance of a certificate of occupancy:
 - a. The 10-ft-wide electric easement will be needed and recorded prior to the issuance of a Certificate of Occupancy.
 - b. The customer will be responsible for installing Lake Worth Beach's two 4" schedule-40 gray electric conduits at a minimum of 42" deep.
2. Prior to the issuance of a building permit:

- a. The electrical riser diagram and the load calculations will be needed.

Planning:

1. Prior to the issuance of a building permit, all fencing on-site shall meet the applicable requirements of Sections 23.4-4 and Section 23.4-19.
2. The project is prohibited from generating noise levels that exceed regulations found in Section 15.24.

Public Works:

1. The issuance of any permits shall comply with all provisions of the Lake Worth Municipal Code and all other applicable standards including but not limited to the Florida Department of Transportation (FDOT), Manual on Uniform Traffic Control Devices (MUTCD), and City of Lake Worth Public Works Construction Standards and Policy and Procedure Manual.
2. Prior to the issuance of a building permit:
 - a. the applicant shall contact the Lake Worth Drainage (LWDD) District's Engineering Department and obtain any required permit(s), if necessary, and furnish to the City. Prior to the issuance of a building permit, the applicant shall contact the South Florida Water Management District's (SFWMD) Engineering Department and obtain any required permit(s), if necessary.
 - b. the Applicant shall contact and meet with a representative from the Public Works Solid Waste and Recycling Division to confirm dumpster enclosure location, accessibility and demand on property and that it is compatible with the requirements of the Department of Public Works. Solid Waste and Recycling Division contact number is 561-533-7344.
 - c. the applicant shall provide architectural details for the dumpster enclosure to confirm the enclosure meets the standards of the Public Works Dept.
3. Prior to performing work in the right of way, the applicant shall apply for and receive issuance of a "Right of Way/Utility Permit" application
4. Prior to the issuance of a Certificate of Occupancy:
 - a. All conditions of approval must be satisfied under jurisdiction of the Department of Public Works
 - b. The Applicant shall ensure the entire surrounding off-site infrastructure inclusive of the roadway, sidewalk, curbing, stormwater system piping and structures, valve boxes, manholes, landscaping, striping, signage, and other improvements are in the same condition as prior to construction
 - c. The applicant shall fine grade and sod all disturbed areas with bahia sod
 - d. The applicant shall broom sweep all areas of the affected right of way and remove of all silt and debris collected as a result of construction activity
 - e. The applicant shall restore the right of way to a like or better condition. Any damages to pavement, curbing, striping, sidewalks or other areas shall be restored in kind
 - f. The trench patch for the utility crossing on 7th Ave North shall be restored in accordance with the construction standards of the Public Works Dept.

Water & Sewer:

1. Water & Sewer Utility Plan:
2. Prior to the issuance of a building permit:
 - a. Center the 15-foot-wide easement over the water main.
 - b. Add or move the in-line valve at the edge of the easement for the fire line. This will delineate the private/utility ownership.
 - c. Provide a valve at the southern watermain connection.
 - d. Note to engineer: The proposed watermain has been installed in 7th Ave N, the utility department will have the as-built plan shortly. If practical, the actual utility location should be referenced.
 - e. Move the water service parallel to the fire line or propose a location that minimize the easement extension and path under asphalt. Near the entrance or tapping the main off of 7th Ave N is an option since the meter can be set close to the property line.

- f. Adjust the water main and/or slope of bank at the lake to provide a minimum of 10 feet flat space for maintenance access. Consider vehicles and equipment having to navigate around the lake bank at the southeast corner.
- g. Capacity fees for water and sewer must be paid in full in accordance with the current City Ordinance.
- h. The site shall permit through LWDD and/or SFWMD for the stormwater management and provide a copy to Water Utilities.
- i. The following shall be provided:
 - i. At time of engineering submittal, provide a full drawing set including any updated drainage calculations, and any permits or permitting information from SFWMD and LWDD.
 - ii. Add all structure and utility conflict information on the plans.
 - iii. Complete water, sewer and drainage plans showing proposed pipe sizes, materials, structure sizes, utility crossing elevations, hydrants, manholes, as well as all pertinent site elevations.
 - iv. Permits from the PBC Health Department for the Watermain extension and the private lift station connection
 - v. If applicable, show irrigation service line/s up the meter and backflow RPZ device/s.
 - vi. Show water & sewer services, drainage structures, and storm mains on landscape plan. Confirm minimum spacing between landscape and services per Public Services Detail 23, Typical Tree with Root Barrier.
 - vii. Fireflow calculations based on a recent hydrant test. Contact Pedro Segovia with Palm Beach County at psegovia@pbcgov.com
 - viii. Signed and sealed Drainage Calculations including a drainage statement from the engineer regarding floodplain management provisions for water quality and quantity shall be provided to the City.
 - ix. Provide geotechnical information for the determination of the hydraulic conductivity of the soil, and groundwater elevation.
 - x. An Erosion Control plan and with the BMPs and NPDES compliance practices shall be provided for the project site.
 - xi. Engineering plans shall include cross-sections along each property line and with grading showing the design storm (3 yr, 1 hour (2.6")) runoff being maintained on site.
 - xii. Provide existing and proposed site grades.
 - xiii. Indicate vertical datum on all plan drawings with grades.
 - xiv. All applicable City of Lake Worth details.

Lake Worth Drainage District:

1. This project will require a drainage outfall connection permit from this District if they will be draining to the E-4 Canal.

Board Actions:

I MOVE TO APPROVE OF PZB PROJECT NUMBER 20-01400035 with staff recommended **conditions** for a Major Site Plan, Conditional Use Permit, and Sustainable Bonus Program Incentive to construct a +/-47,000 square foot distribution facility and repair and maintenance uses commonly referred to as "Umdasch/Doka" and located at the subject site. The project meets the applicable criteria based on the data and analysis in the staff report.

I MOVE TO DENY PZB PROJECT NUMBER 20-01400035 for a Major Site Plan, Conditional Use Permit, and Sustainable Bonus Program Incentive to construct a +/-47,000 square foot distribution facility and repair and maintenance uses commonly referred to as "Umdasch/Doka" and located at the subject site. The project does not meet the applicable criteria for the following reasons [Board member please state reasons.]

Consequent Action:

The Planning & Zoning Board's decision will be final for the Major Site Plan, Sustainable Bonus, and Conditional Use Permit. The Applicant may appeal the Board's decision to the City Commission.

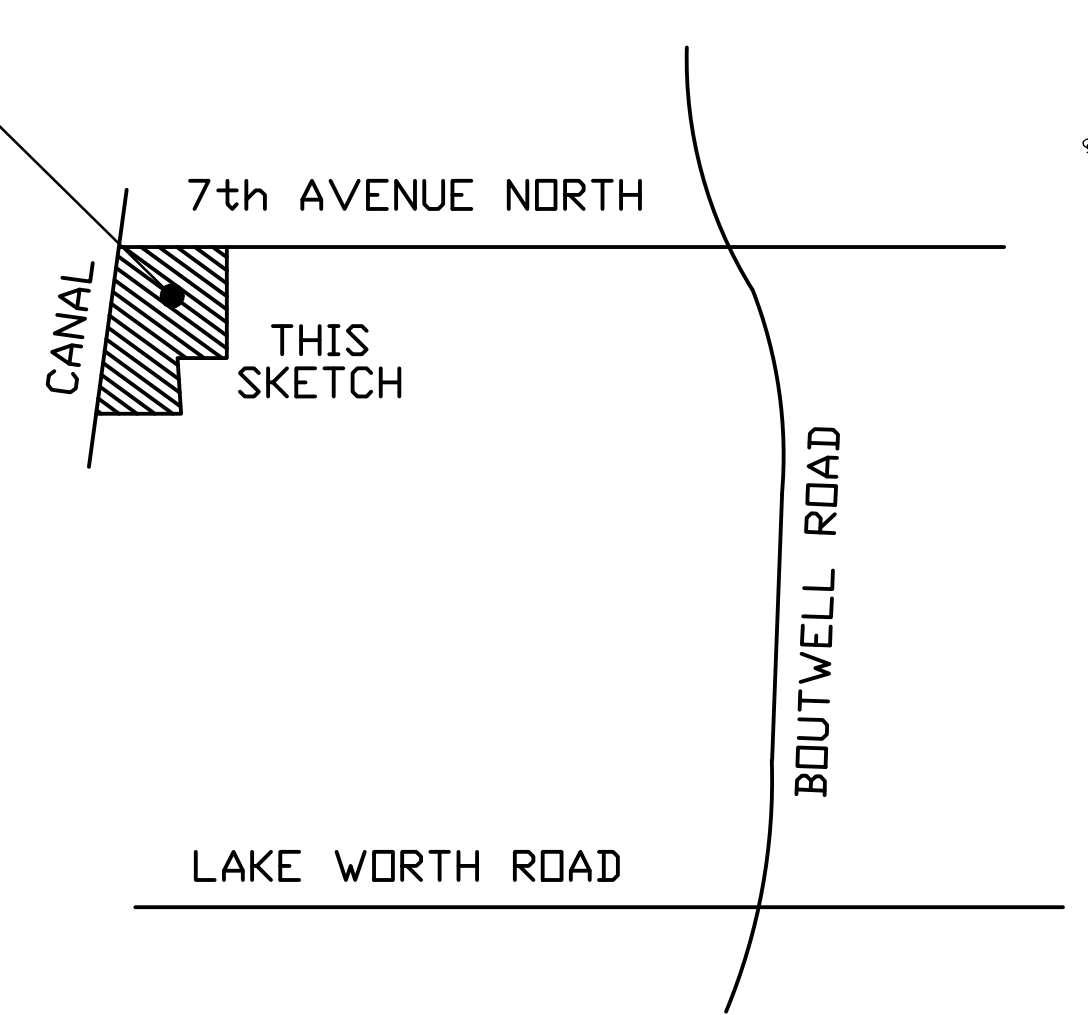
ATTACHMENTS:

- A. Site Plan Package
- B. Supplemental Supporting Documents

UMDASCH REAL ESTATE USA, LTD

2209 7th Avenue North Lake Worth Beach, Florida

THIS PROJECT



SITE DATA TABLE

EXISTING ZONING DISTRICT: I-POC
 PROPOSED ZONING DISTRICT: I-POC
 EXISTING FLU DESIGNATION: Industrial
 PROPOSED FLU DESIGNATION: Industrial

REQUIRED LOT AREA: 13,000 SF
 PROPOSED LOT AREA: 419,467 SF
 REQUIRED LOT WIDTH: 100 FT
 PROPOSED LOT WIDTH: 400 FT

PERMITTED BUILDING HEIGHT: 45 FT (with Sustainable Bonus Incentive Program)
 PROPOSED BUILDING HEIGHT: 35'-0"

SETBACKS**	REQUIRED	PROVIDED
FRONT (7TH AVE. NORTH - NORTH)	20-32 feet	20'-0"
SIDE (EAST)	0 feet	191'-11"
SIDE (WEST)	0 feet	88'- 4 3/8"
REAR (SOUTH)*	91 feet*	437'- 11 3/8"

Notes:
 * Required Rear Setback is 20ft or 10% of Lot Depth. Lot Depth = 910'-0"
 ** Refer to Site Plan for proposed setback dimensions/locations

SITE STATISTICS

SITE AREA:	427,562 Sq Ft
less 20ft ROW dedication:	- 8,095 Sq Ft
NET SITE AREA:	419,467 Sq Ft or 9.63 acres
GROSS BUILDING AREA:	48,217 Sq Ft
PROPOSED LOT COVERAGE:	10.5 % of Net Site Area (43,946 sf Ground Floor Area)
MAX. ALLOWED LOT COVERAGE:	55.00%
PROPOSED FLOOR AREA RATIO:	0.11
MAX. ALLOWED FLOOR AREA RATIO:	1.10
LANDSCAPE/PERVIOUS AREA:	167,409.42 Sq Ft or 39.9% of Net Site Area
TOTAL IMPERVIOUS AREA:	208,111.58 Sq Ft
PROPOSED IMPERMEABLE AREA:	49.6% of Net Site Area
MAX. ALLOWED IMPERMEABLE AREA:	65.00%

PARKING STATS

Parking Stalls: 9' x 18'
 Parking Reqcd: Industrial 1 per 1,000 sf
 Total Parking Required: 49 (48,217 sf @ 1/1,000)
 Total Parking Provided: 80 (inclcd 2 HC)

VICINITY MAP

ALL WORK TO COMPLY WITH THE FOLLOWING CODES:

THIS PROJECT IS TO BE BUILT IN ACCORDANCE WITH ALL CITY OF LAKE WORTH BEACH BUILDING DEPARTMENT REQUIREMENTS AND AMENDMENTS, PALM BEACH COUNTY REQUIREMENTS AND FOLLOWING CODES:

- 2017 FLORIDA BUILDING CODE
- NATIONAL ELECTRICAL CODE 2014
- 2017 THE FLORIDA FIRE PREVENTION CODE
- NFPA-101, 2015 EDITION W/ FLORIDA AMENDMENTS
- NFPA 1 UNIFORM FIRE CODE 2015 W/ FLORIDA AMENDMENTS
- FLORIDA STATUTES
- FLORIDA ADMINISTRATIVE CODE

NOTES

OWNER:
 UMDASCH REAL ESTATE, USA, LTD.
 214 Gates Road
 Little Ferry, NJ 07463
 Contact: Louis Goldberg
 T - 201-853-0594
 E - louis.goldberg@doka.com

ARCHITECT:
 HNM ARCHITECTURE, LLC
 3705 North Federal Highway
 Delray Beach, FL 33435
 Contact: Jaime O. Mayo
 T - 561-733-2225
 E - jmayo@hnm-architecture.com

CIVIL & LANDSCAPE ARCHITECTURE:
 KIMLEY-HORN
 600 North Pine Island Road, Suite 450
 Plantation, FL 33324
 Contact: George Balaban
 T - 954-716-8824
 E - george.balaban@kimley-horn.com

PROJECT TEAM

SITE AND BUILDING STATISTICS

A-0.0 COVER SHEET

SURVEY:

SURVEY

ARCHITECTURAL:

- A-0.1 SITE PLAN
- A-0.2 PHOTOMETRIC SITE PLAN
- A-0.3 SITE DETAILS
- A-0.4 SITE DETAILS
- A-1.0 OVERALL BUILDING FLOOR PLAN
- A-1.1 ENLARGED OFFICE FLOOR PLANS
- A-3.0 ROOF PLAN
- A-4.0 EAST & NORTH ELEVATIONS
- A-4.1 WEST ELEVATION
- A-4.2 SOUTH ELEVATIONS
- A-4.3 SECTIONS
- A-4.4 NORTH & EAST RENDERED ELEVATIONS
- A-4.5 WEST RENDERED ELEVATION
- A-4.6 SOUTH RENDERED ELEVATION

CIVIL:

- C-100 COVER SHEET
- C-101 GENERAL NOTES
- C-102 DEMOLITION & EROSION CONTROL NOTES
- C-103 DEMOLITION & EROSION CONTROL PLAN
- C-104 DEMOLITION & EROSION CONTROL PLAN
- C-105 DEMOLITION & EROSION CONTROL DETAILS
- C-106 GEOMETRY SIGNAGE AND STRIPING PLAN
- C-107 GEOMETRY SIGNAGE AND STRIPING PLAN
- C-200 PAVING, GRADING, & DRAINAGE PLAN
- C-201 PAVING, GRADING & DRAINAGE PLAN
- C-202 DRAINAGE PLAN
- C-203 DRAINAGE PLAN
- C-204 DRAINAGE DETAILS
- C-205 PAVING, GRADING, & DRAINAGE DETAILS
- C-206 PAVING, GRADING, & DRAINAGE DETAILS
- C-207 PAVING, GRADING, & DRAINAGE DETAILS
- C-300 UTILITY PLAN
- C-301 UTILITY PLAN
- C-302 CITY OF LAKE WORTH SEWER DETAILS
- C-303 CITY OF LAKE WORTH SEWER DETAILS
- C-304 CITY OF LAKE WORTH WATER DETAILS
- C-305 CITY OF LAKE WORTH WATER DETAILS

LANDSCAPE:

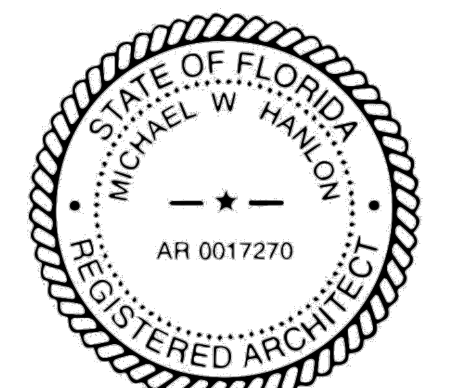
- L-000 TREE DISPOSITION PLAN
- L-001 TREE DISPOSITION PLAN
- L-100 LANDSCAPE PLAN
- L-101 LANDSCAPE PLAN
- L-150 LANDSCAPE DETAILS
- L-151 LANDSCAPE NOTES

UMDASCH REAL ESTATE USA, LTD
 Office/Industrial Facility at
 2209 7th Avenue North
 City of Lake Worth Beach, Florida

2020-11-15
 SITE PLAN APPLICATION

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.



MICHAEL W. HANLON
 FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
 ELECTRONIC SIGNATURE SERIAL NUMBER:

HNM PROJECT NUMBER:
 19-009.1

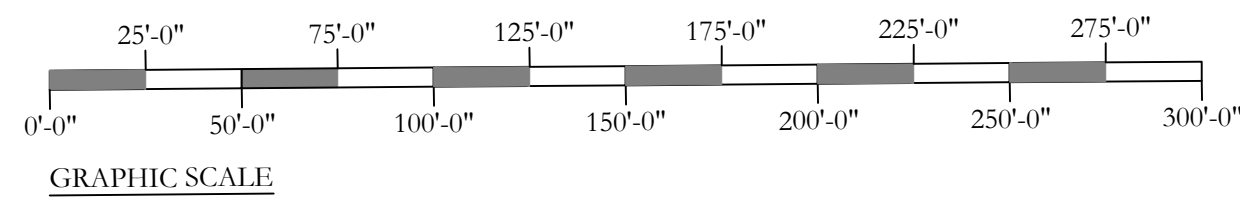
ISSUED DATE:
 2020-11-13

SCALE:
 N.T.S.

TITLE:
 COVER SHEET

DRAWING NUMBER:
A-0.0

DRAWING INDEX



NOTE: REFER TO ARCH COVER SHEET A00 FOR SITE DATA TABLE / SITE & PARKING STATS

CHAIN LINK FENCE AND ENTRY GATE NOTES:

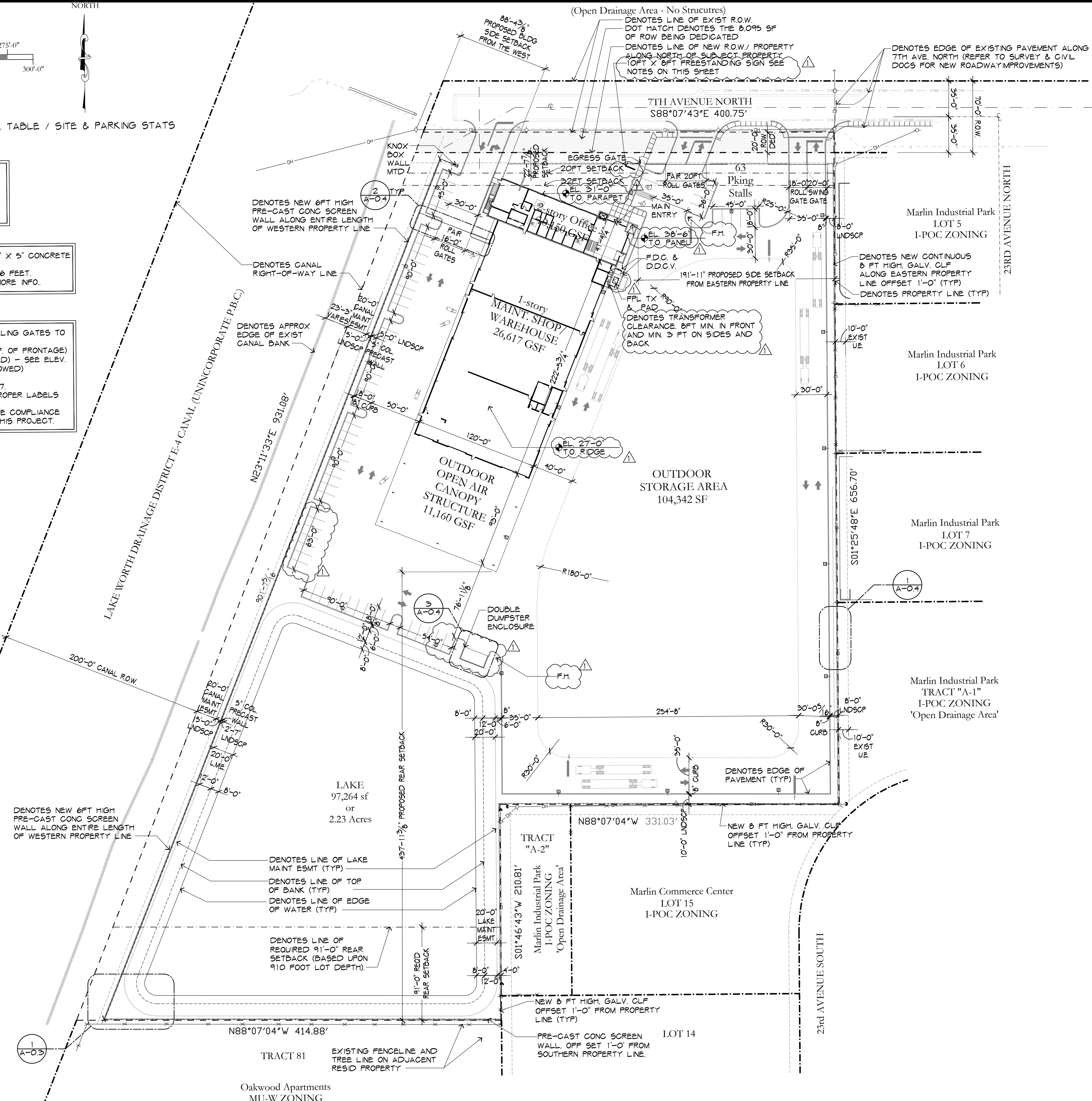
- ALL FENCES AND GATES SHALL BE 8 FT HIGH, GALVANIZED, CHAIN LINK W/ GALVANIZED POSTS.
- GATES SHALL REMAIN OPEN DURING HOURS OF OPERATION.
- REFER TO KNOX BOX LOCATION ON THIS SHEET FOR FIRE DEPT ACCESS DURING AFTER HOURS.

PRECAST CONCRETE SCREEN WALL NOTES:

- WALLS ARE APPROX 2.5' THICK CONCRETE PANELS SET IN 5' X 5' CONCRETE POSTS AT APPROX 5 FT ON CENTER.
- OVERALL HEIGHT OF PRECAST CONCRETE WALLS SHALL BE 6 FEET.
- REFER TO A03 FOR DETAILS AND LANDSCAPE DOCS FOR MORE INFO.

SIGNAGE NOTES:

- FACILITY'S REGULATORY SIGNS MOUNTED TO CHAIN LINK ROLLING GATES TO BE PROVIDED BY OTHERS.
- MAXIMUM COMBINED SIGN AREA ALLOWED = 150 SF (408 LF OF FRONTAGE).
- -MAX WALL SIGN AREA PROPOSED TO SF (100 SF ALLOWED) - SEE ELEV.
- -MAX FREESTANDING SIGN PROPOSED 80 SF (200 SF ALLOWED).
- -TOTAL SIGN AREA PROPOSED = 150 SF.
- ALL SIGNS SHALL WITHSTAND WIND PRESSURES PER ASCE-7.
- ANY/ALL SIGNS REQUIRED TO BE PERMITTED SHALL HAVE PROPER LABELS AFFIXED TO SUCH SIGN AS REQUIRED.
- WALL MOUNTED AND FREESTANDING SIGNS SHOWN FOR CODE COMPLIANCE ONLY AND ARE NOT INTENDED TO BE CONSTRUCTED WITH THIS PROJECT.

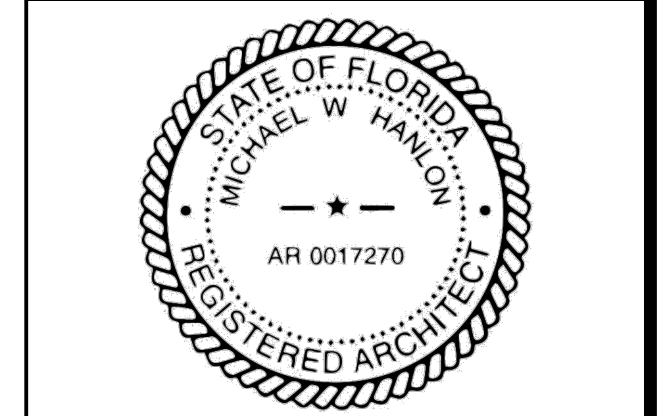


UMDASCH REAL ESTATE USA, LTD
 Office/Industrial Facility at
 2209 7th Avenue North
 City of Lake Worth Beach, Florida

2020-11-15
 SITE PLAN APPLICATION

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OR DRAWING SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

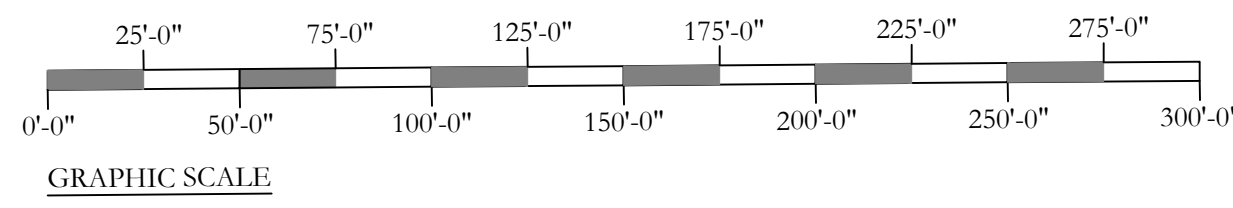
CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.



MICHAEL W. HANLON
 FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
 ELECTRONIC SIGNATURE SERIAL NUMBER:

HNM PROJECT NUMBER: 19-009.1
 ISSUED DATE: 2020-11-13
 SCALE: 1" = 50'-0"
 TITLE: SITE PLAN

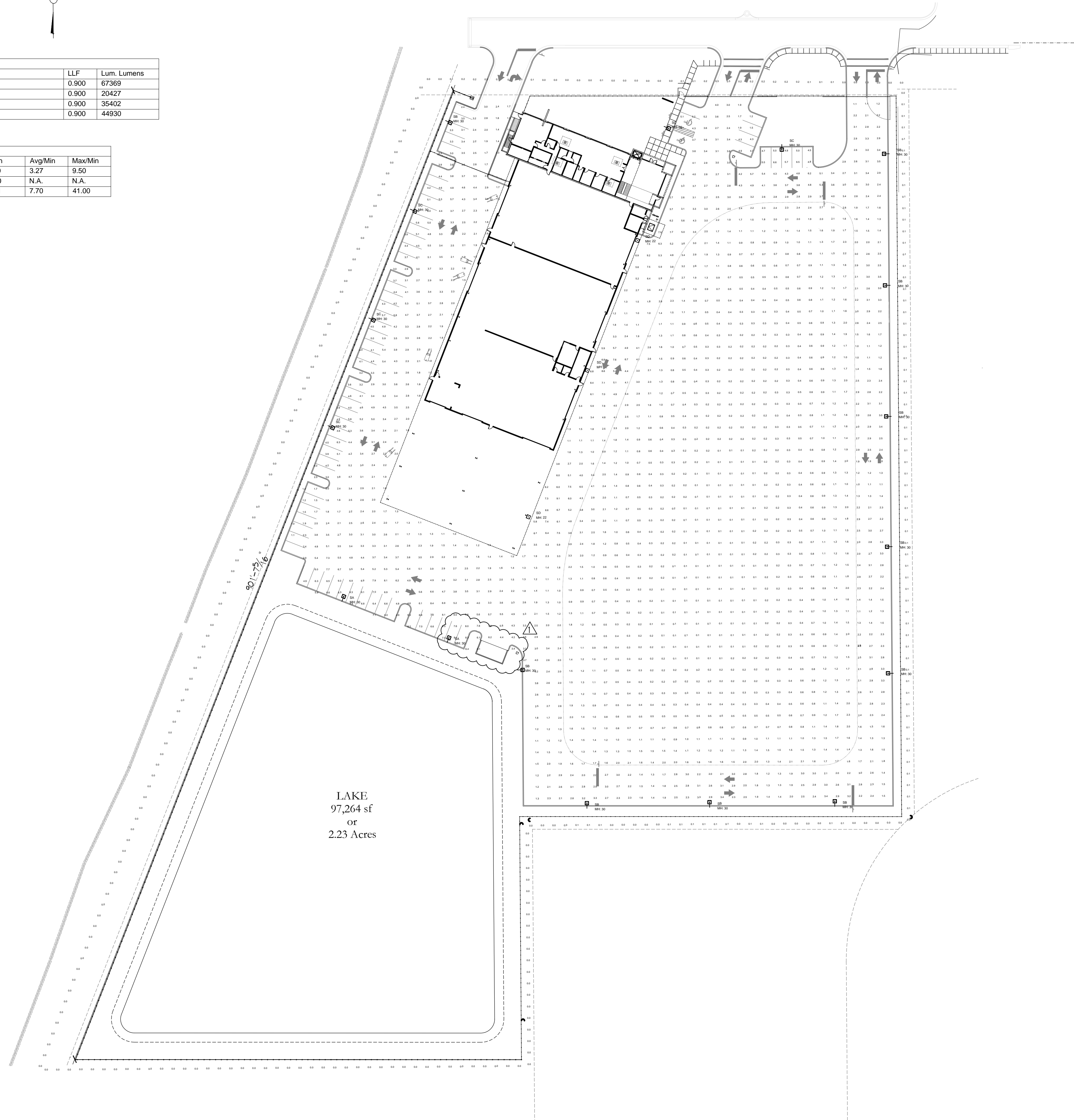
DRAWING NUMBER: A-0.1



Symbol	Qty	Label	Description	LLF	Lum. Lumens
□	2	SA	CREE LTG#: OSQ-HO-A-NM-4ME-65L-40K-UL-BZ / MTD AT 30' AFG	0.900	67369
□	10	SB	CREE LTG#: OSQ-A-4ME-U-40K-UL-BLS / MTD AT 30' AFG	0.900	20427
□	5	SC	CREE LTG#: OSQ-HO-A-4ME-40L-40K-UL-BLSF / MTD AT 30' AFG	0.900	35402
□	3	SD	CREE LTG#: OSQ-HO-A-4ME-40L-40K-UL / WALL MTD AT 25' AFG	0.900	44930

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING AREAS	Illuminance	Fc	3.27	9.5	1.0	3.27	9.50
PROPERTY LINE	Illuminance	Fc	0.02	0.3	0.0	N.A.	N.A.
STORAGE LOT AREA	Illuminance	Fc	0.77	4.1	0.1	7.70	41.00

Filename: 2209-Site-2020-08-19.AGI

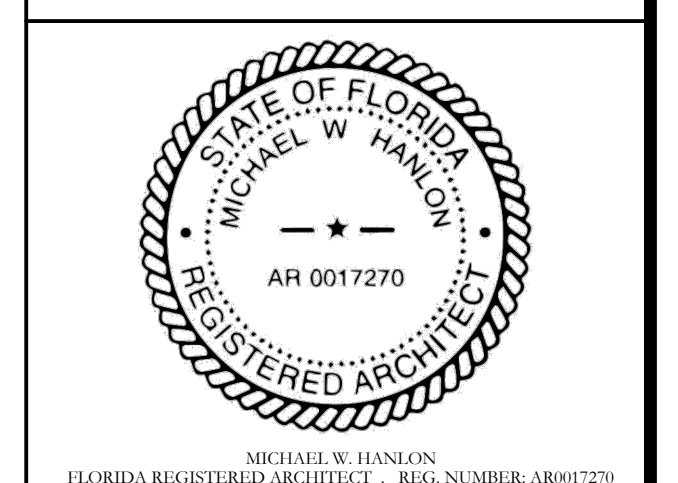
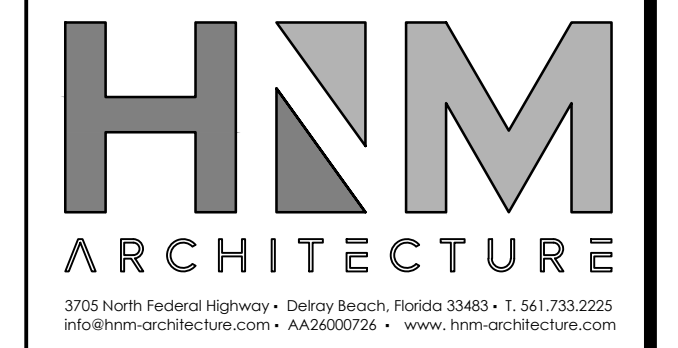


UMDASCH REAL ESTATE USA, LTD
 Office/Industrial Facility at
 2209 7th Avenue North
 City of Lake Worth Beach, Florida

2020-11-13
 SITE PLAN APPLICATION

NO. DATE REVISION
 ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

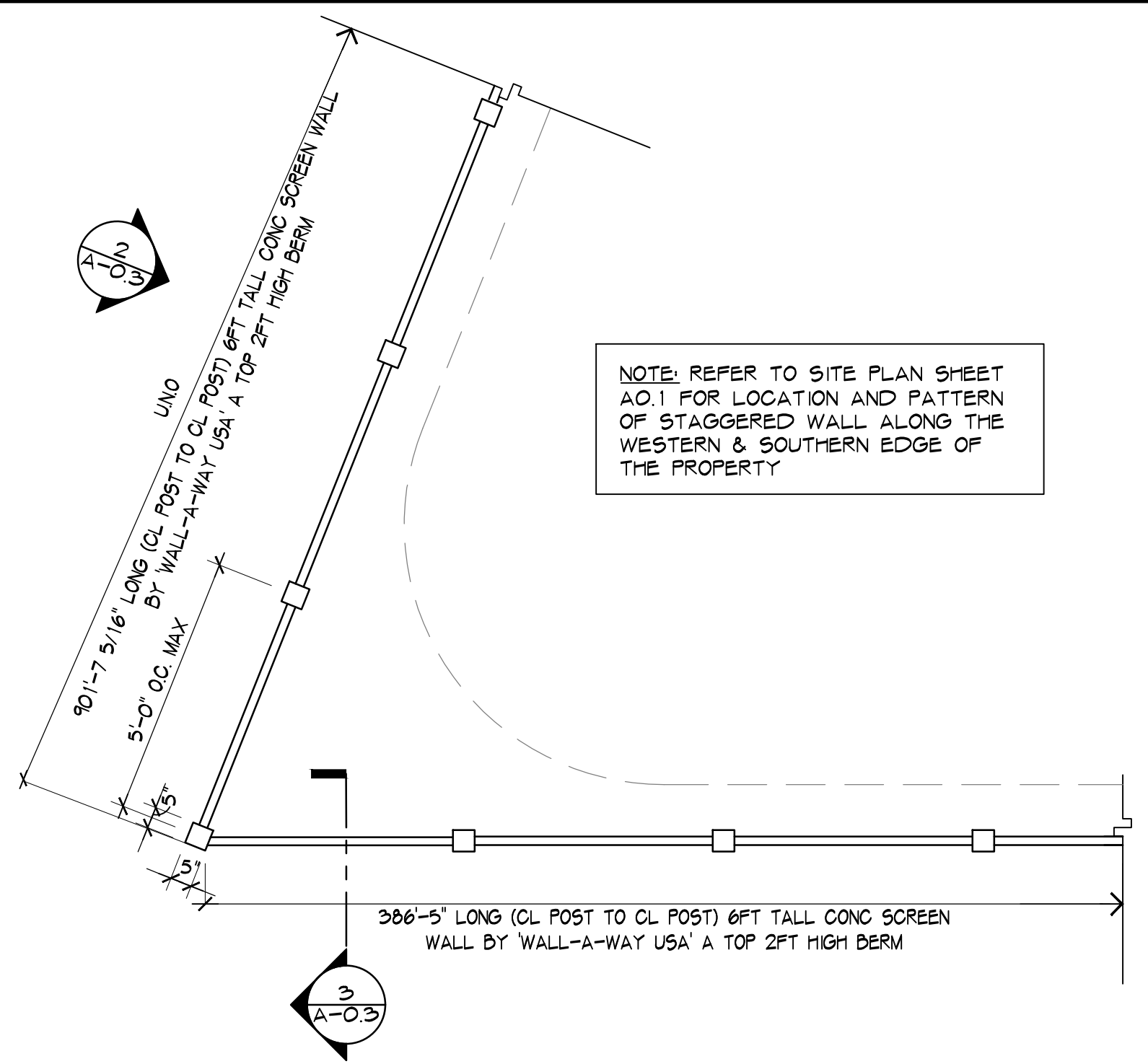


MICHAEL W. HANLON
 FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
 ELECTRONIC SIGNATURE SERIAL NUMBER:

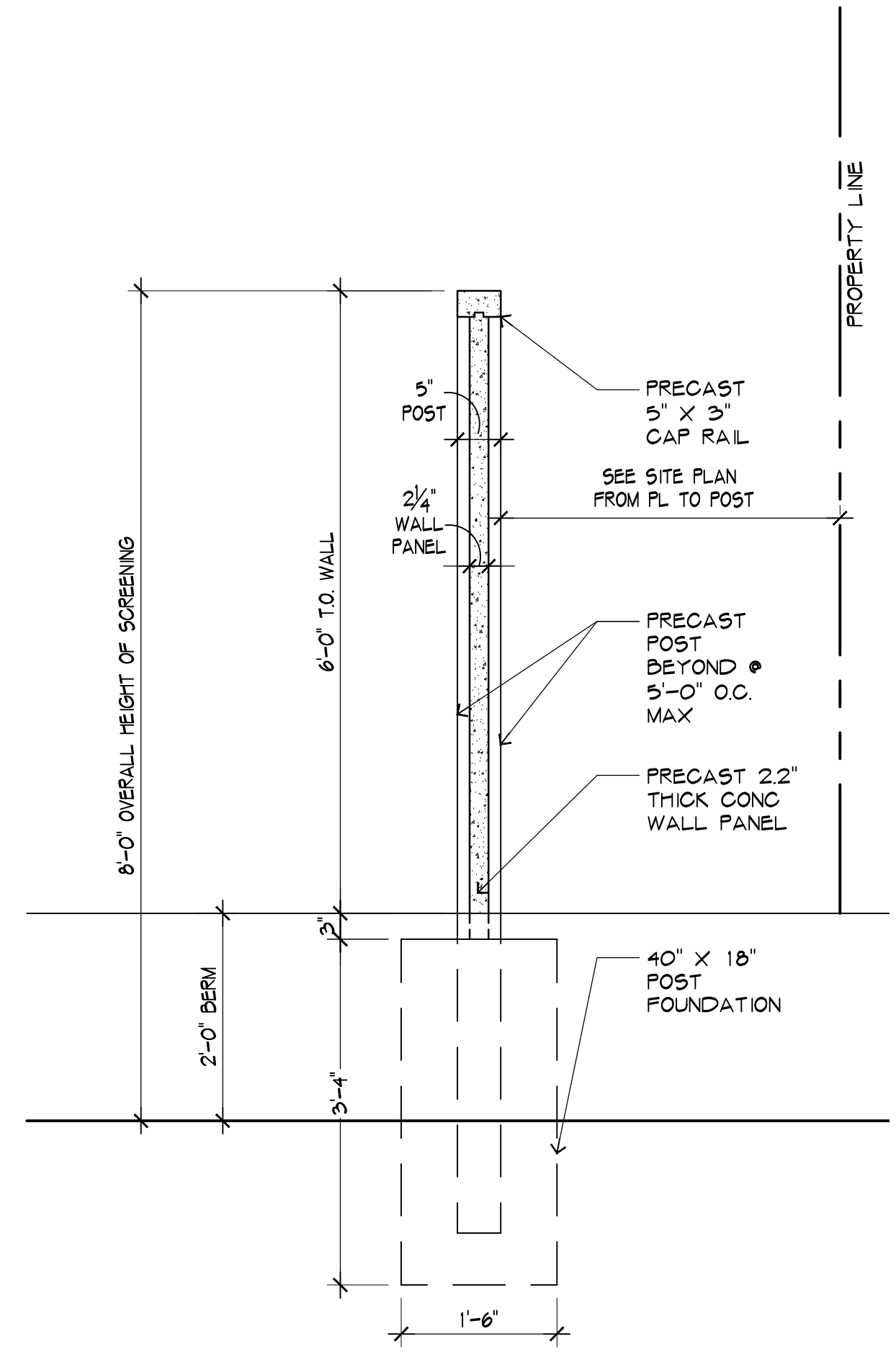
HNM PROJECT NUMBER: 19-009.1
 ISSUED DATE: 2020-11-13
 SCALE: 1" = 50'-0"
 TITLE: PHOTOMETRICS SITE PLAN

DRAWING NUMBER:

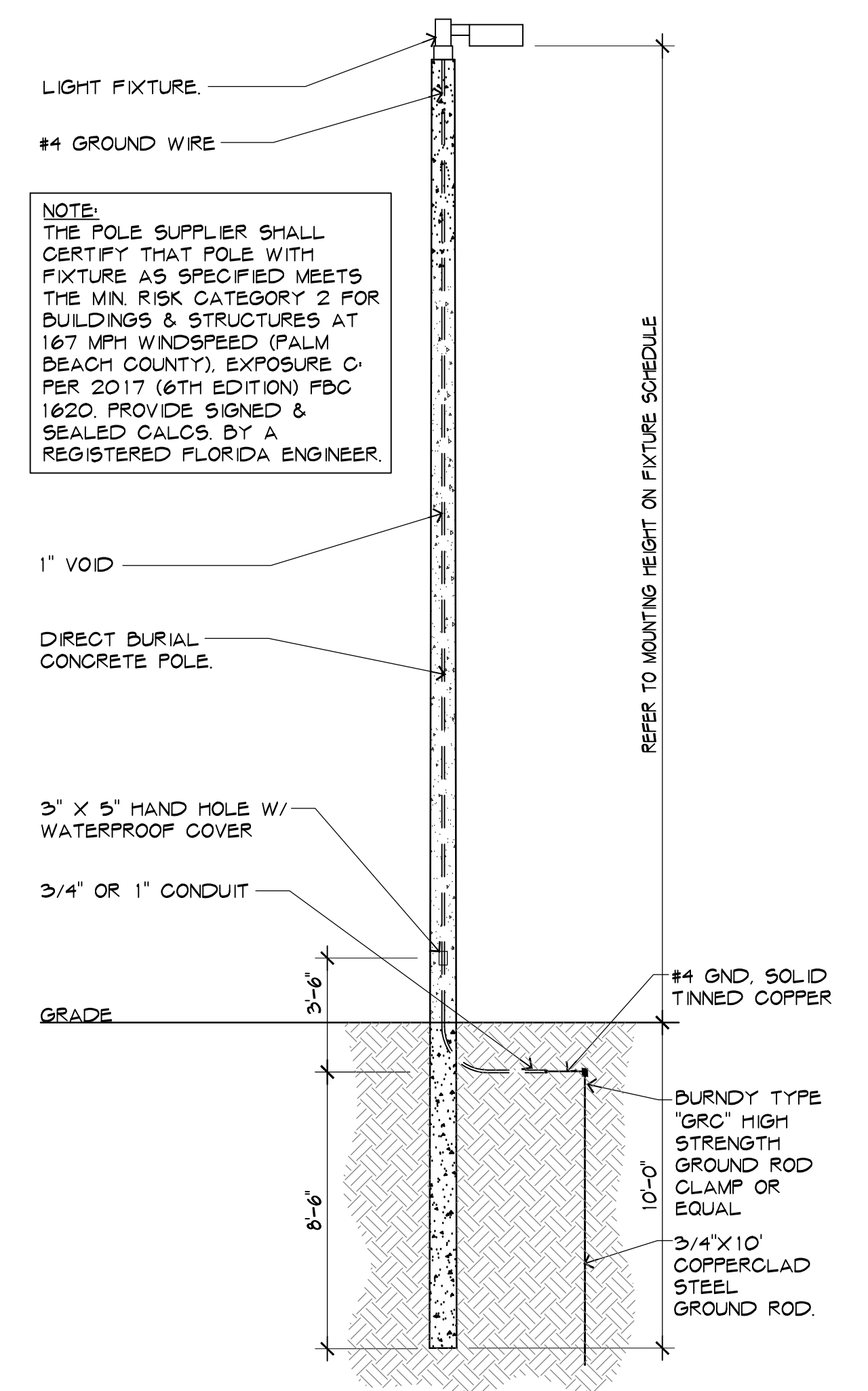
A-0.2



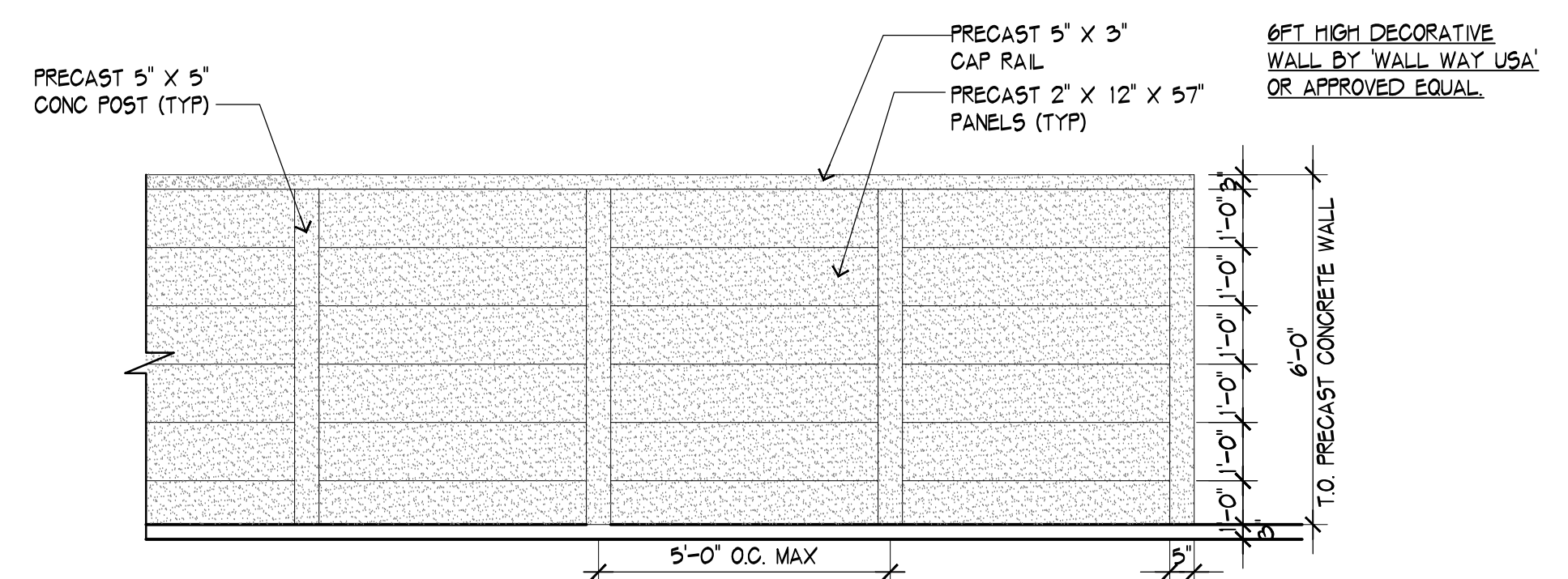
1 PRECAST CONC. WALL - TYP. PLAN DET.



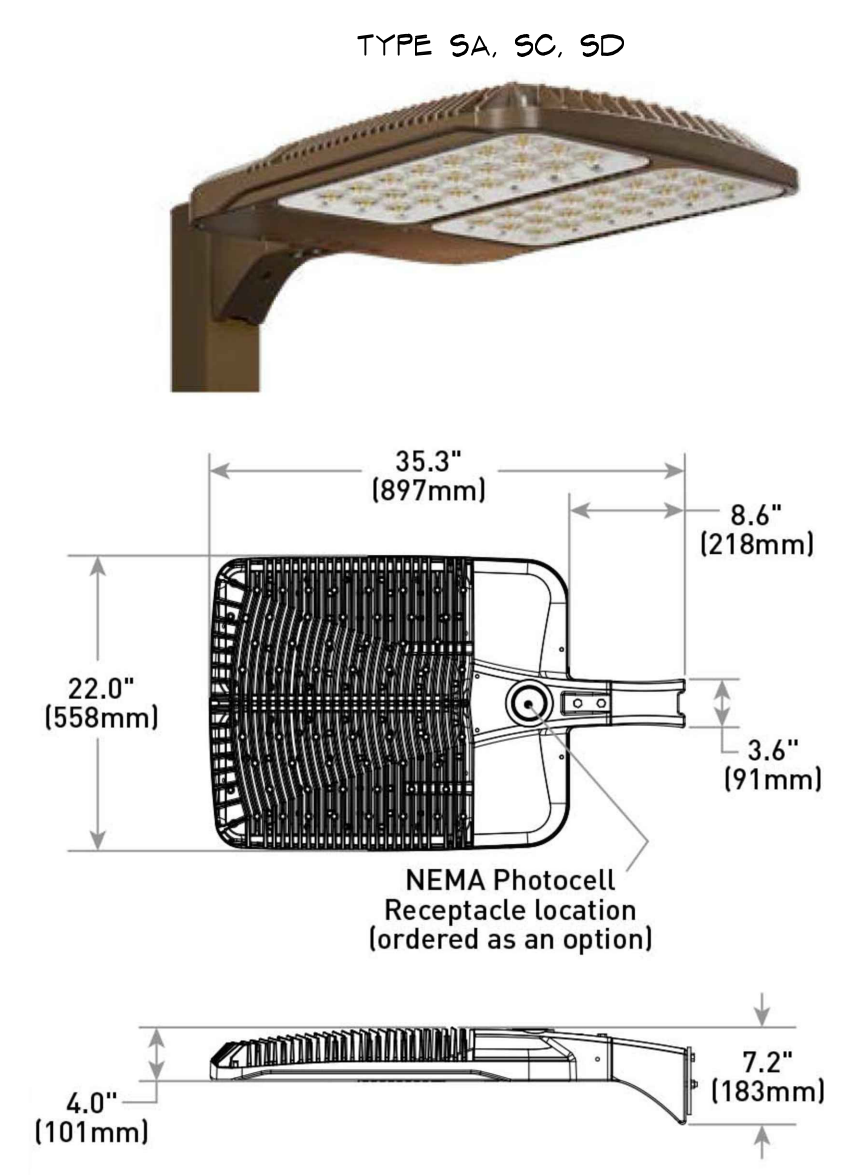
3 PRECAST CONC. WALL- SECTION



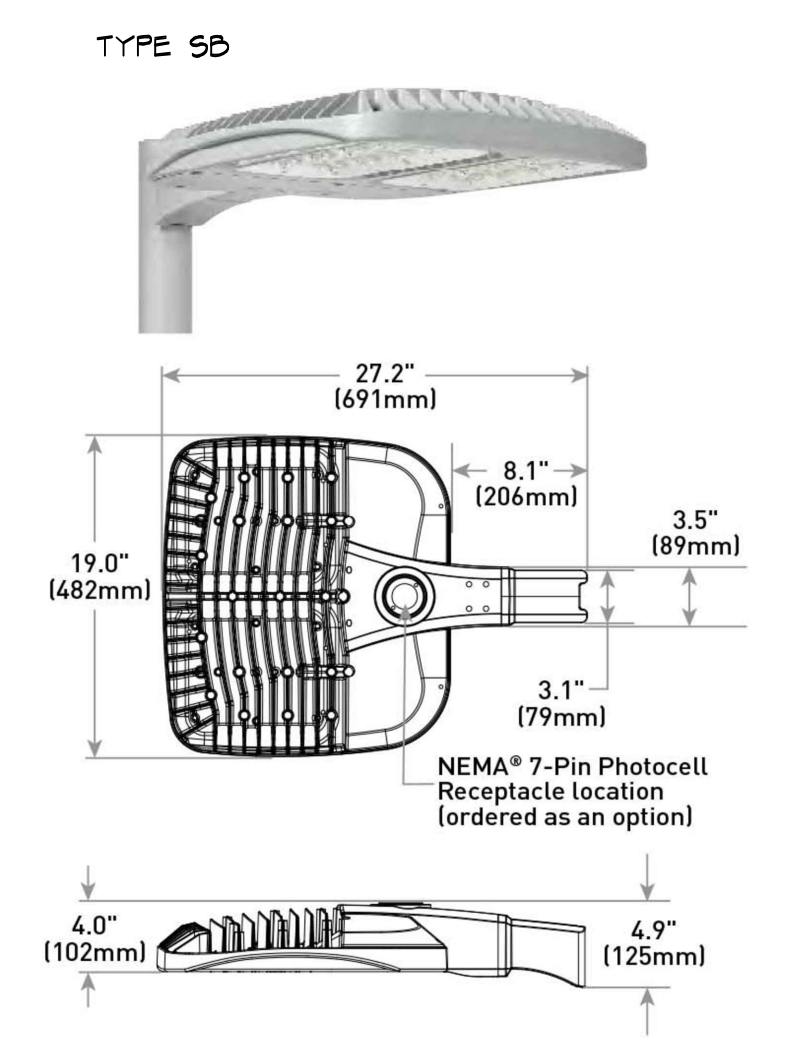
4 TYP. LIGHT POLE DTL.



2 PRECAST CONC. WALL - ELEV. DET.



Lumen Package	Voltage	Weight
40/50L	120-480V	70.0 lbs. (31.8kg)
65L	120-480V	72.0 lbs. (32.7kg)



Weight
32.4 lbs. (14.7kg)

5 LIGHT POLE HEAD DETAILS

UMDASCH REAL ESTATE USA, LTD
Office/Industrial Facility at
2209 7th Avenue North
City of Lake Worth Beach, Florida

HNM ARCHITECTURE
3705 North Federal Highway • Delray Beach, Florida 33483 • T. 561.733.2225
info@hnmarchitecture.com • A40000204 • www.hnmarchitecture.com



MICHAEL W. HANSON
FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
ELECTRONIC SIGNATURE SERIAL NUMBER:

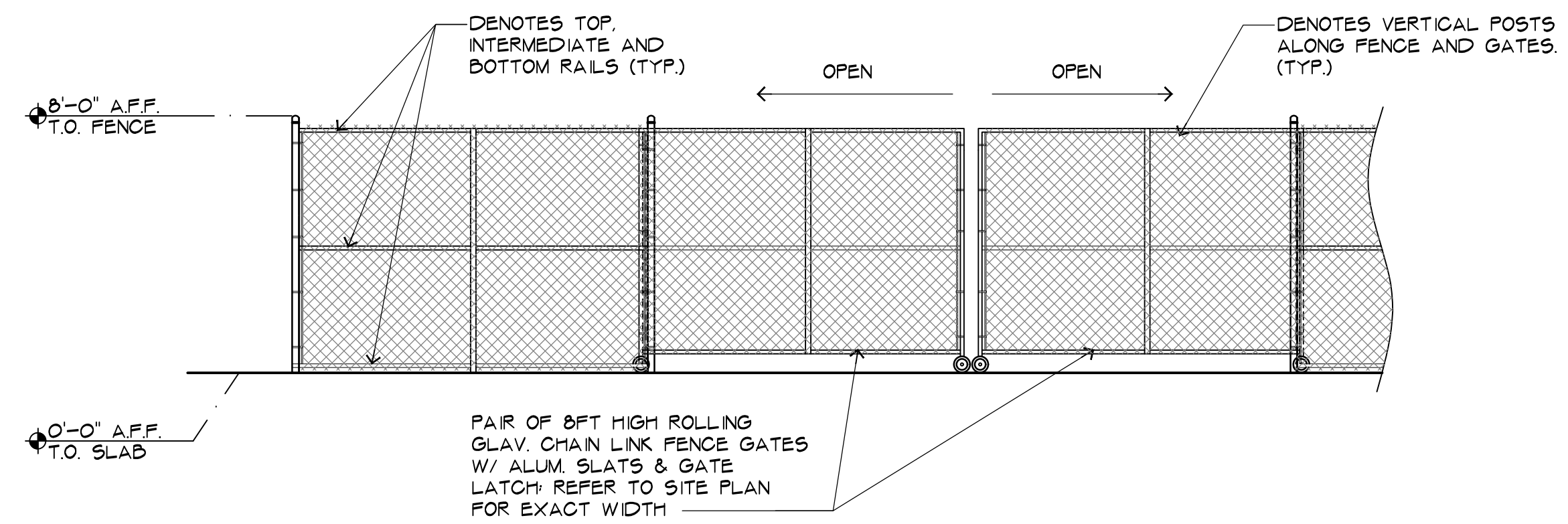
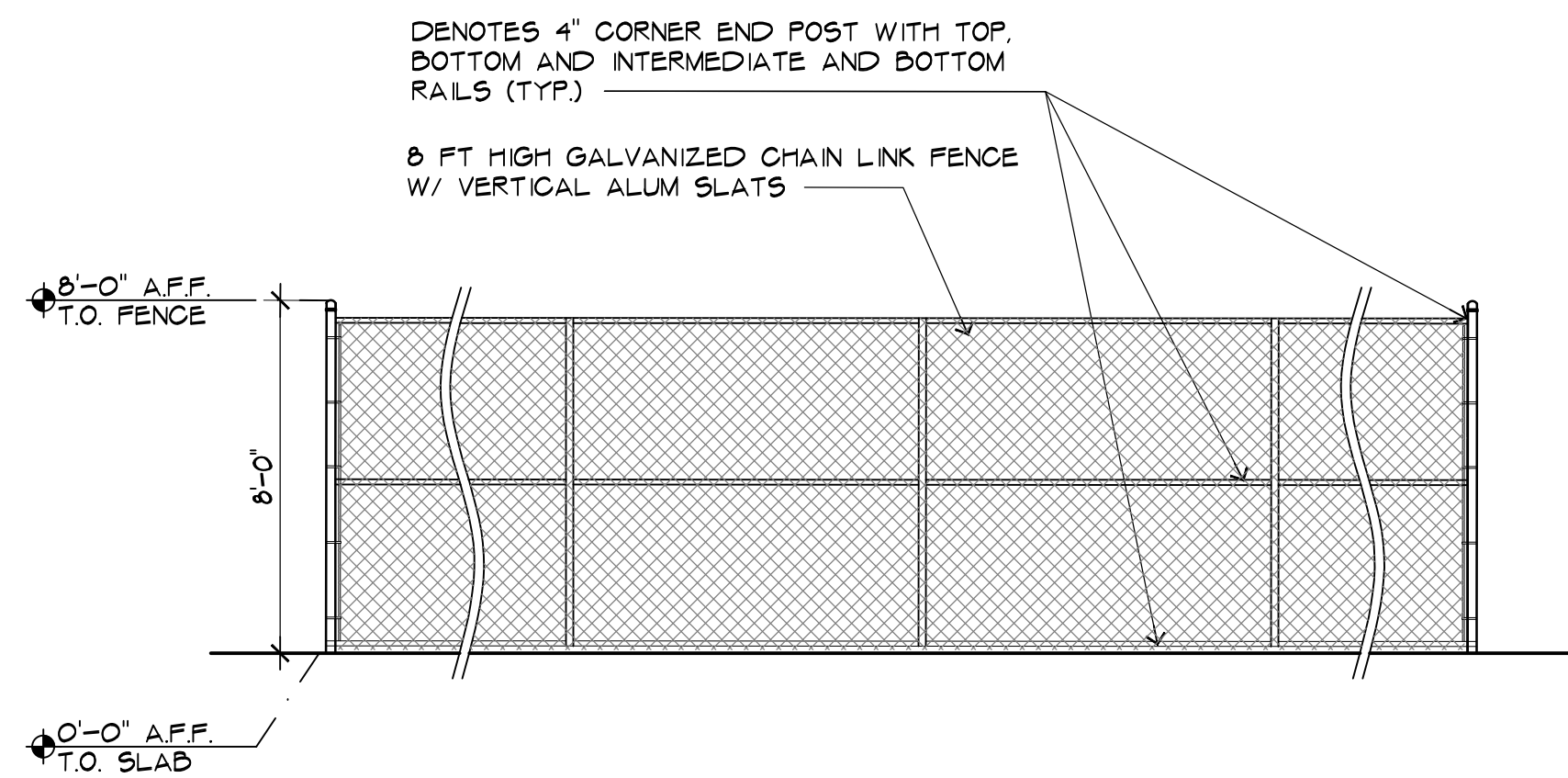
HNM PROJECT NUMBER:
19-009.1
ISSUED DATE:
2020-09-02
SCALE:
AS NOTED

TITLE:
SITE DETAILS

DRAWING NUMBER:
A-0.3

NO. DATE REVISION
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

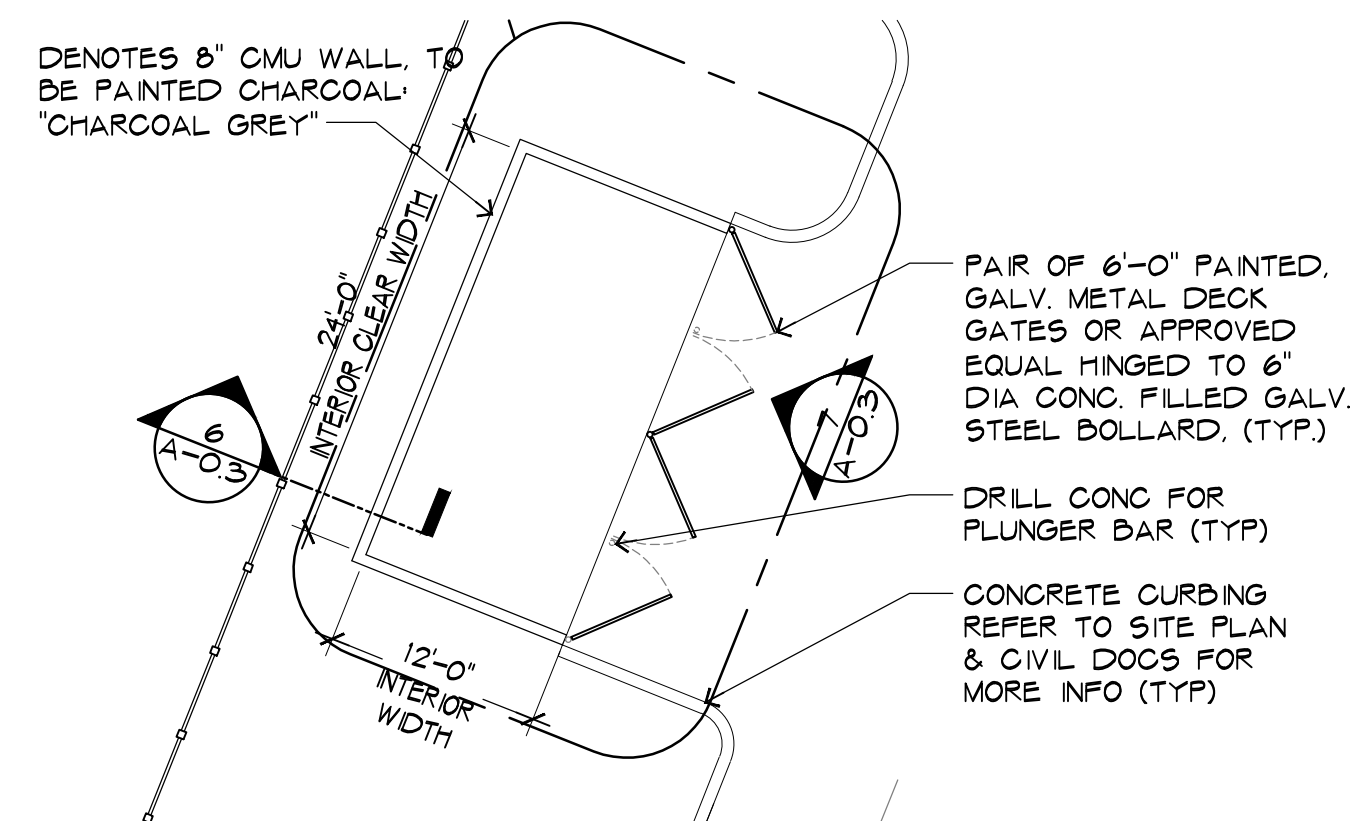
CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.



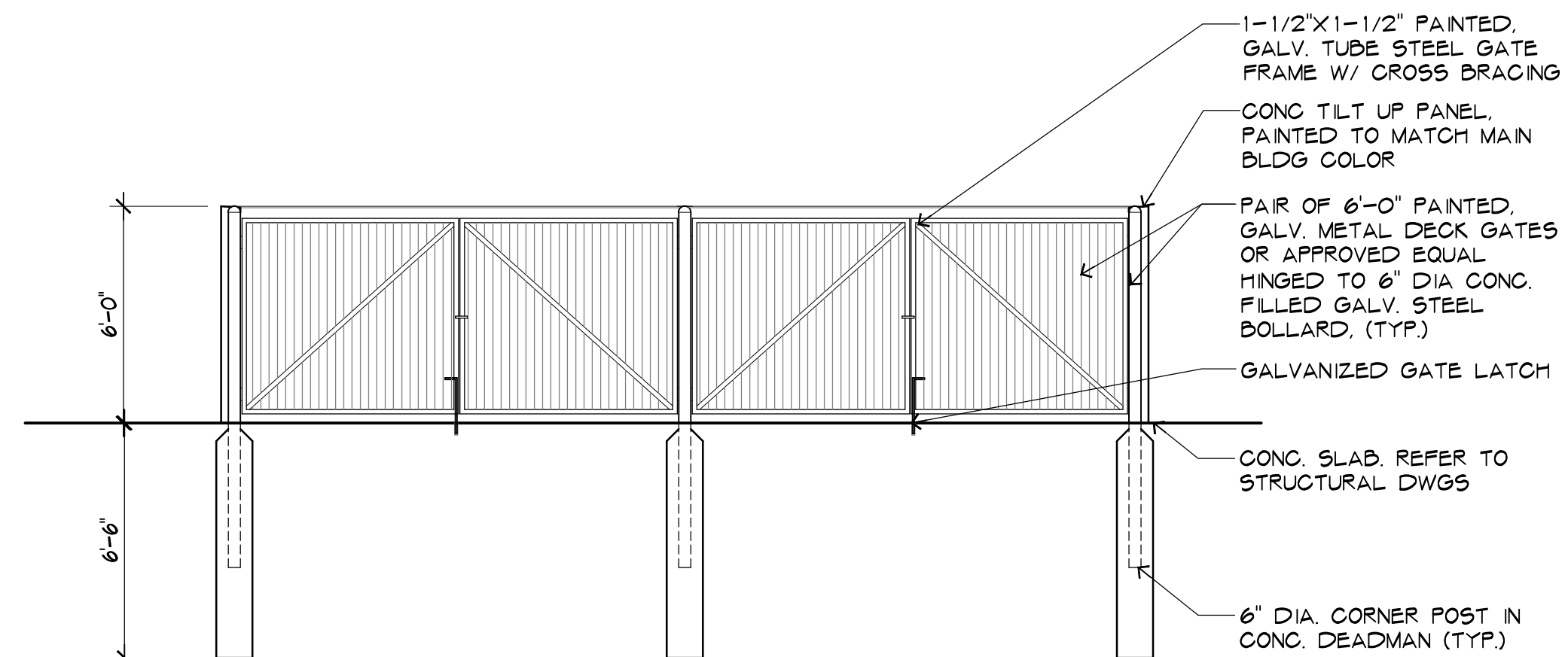
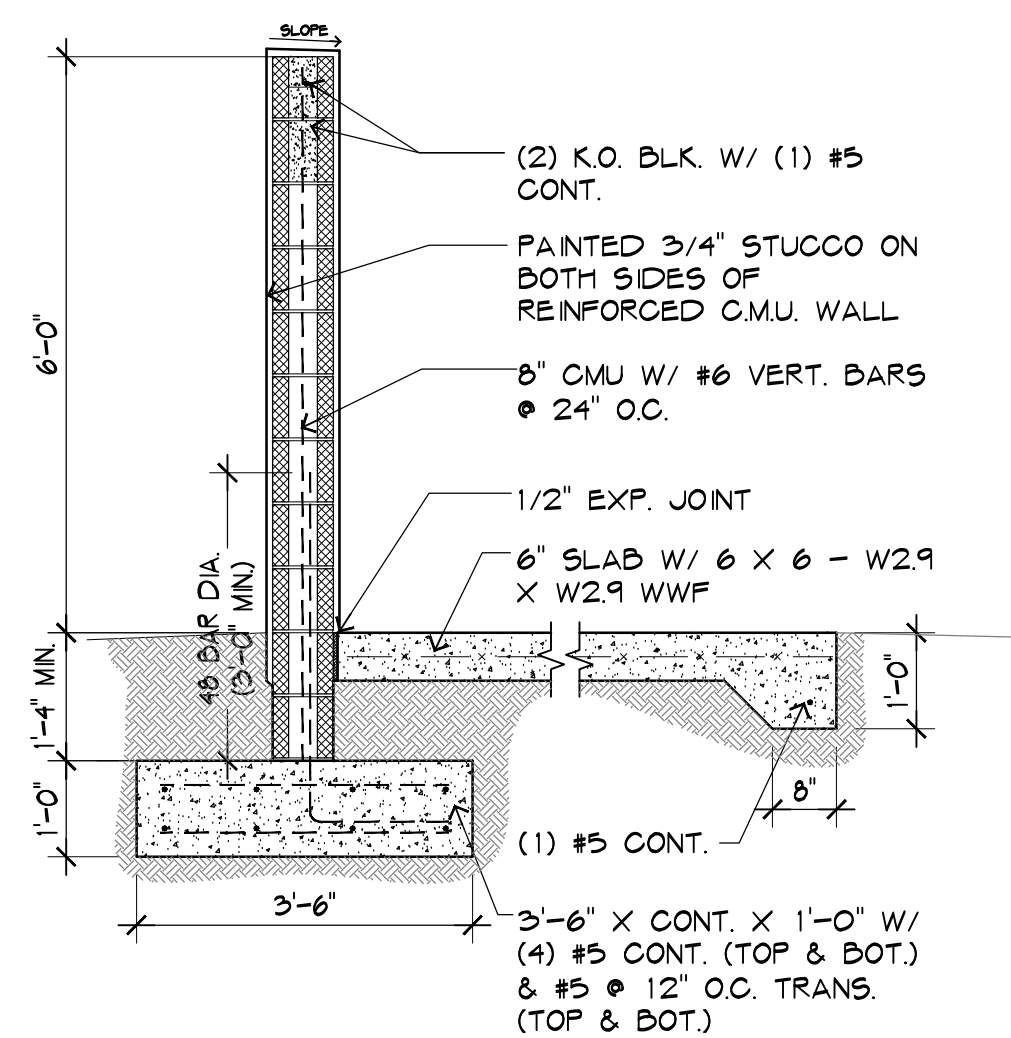
1 CHAIN LINK FENCE - TYP. ELEVATION DETAIL
1/4"=1'-0"

2 ROLLING GATES - TYP. ELEVATION DETAIL
1/4"=1'-0"

NOTE: REFER TO SITE PLAN FOR ORIENTATION OF WALL ENCLOSURE.



- HARDWARE NOTES:**
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL DUMPSTER GATES AND HARDWARE.
 - LATCHING LOCKABLE FOR LATCH & BOTTOM PLUNGER BAR.
 - GATE POSTS: 3/2" DIA. GALV. STEEL TUBE.
 - GATE FRAMES: 1-1/2"X1-1/2" GALV. STEEL TUBE.
 - HINGES: NON-LIFT-OFF TYPICAL 55 PIN OFFSET FOR 180 DEGREE GATE SWING - 3 PER LEAF.



3 DUMPSTER ENC. PLAN
3/32"=1'-0"

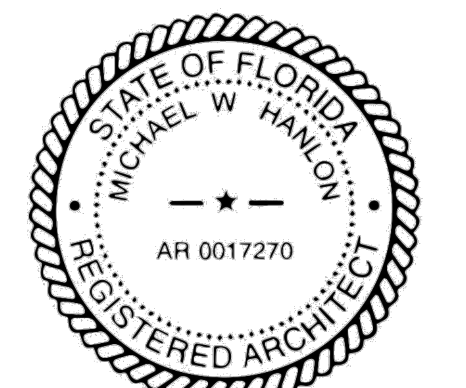
4 C.M.U WALL SECTION
1/2"=1'-0"

5 DUMPSTER ELEVATION
1/4"=1'-0"

UMDASCH REAL ESTATE USA, LTD
Office/Industrial Facility at
2209 7th Avenue North
City of Lake Worth Beach, Florida

NO. DATE REVISION
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

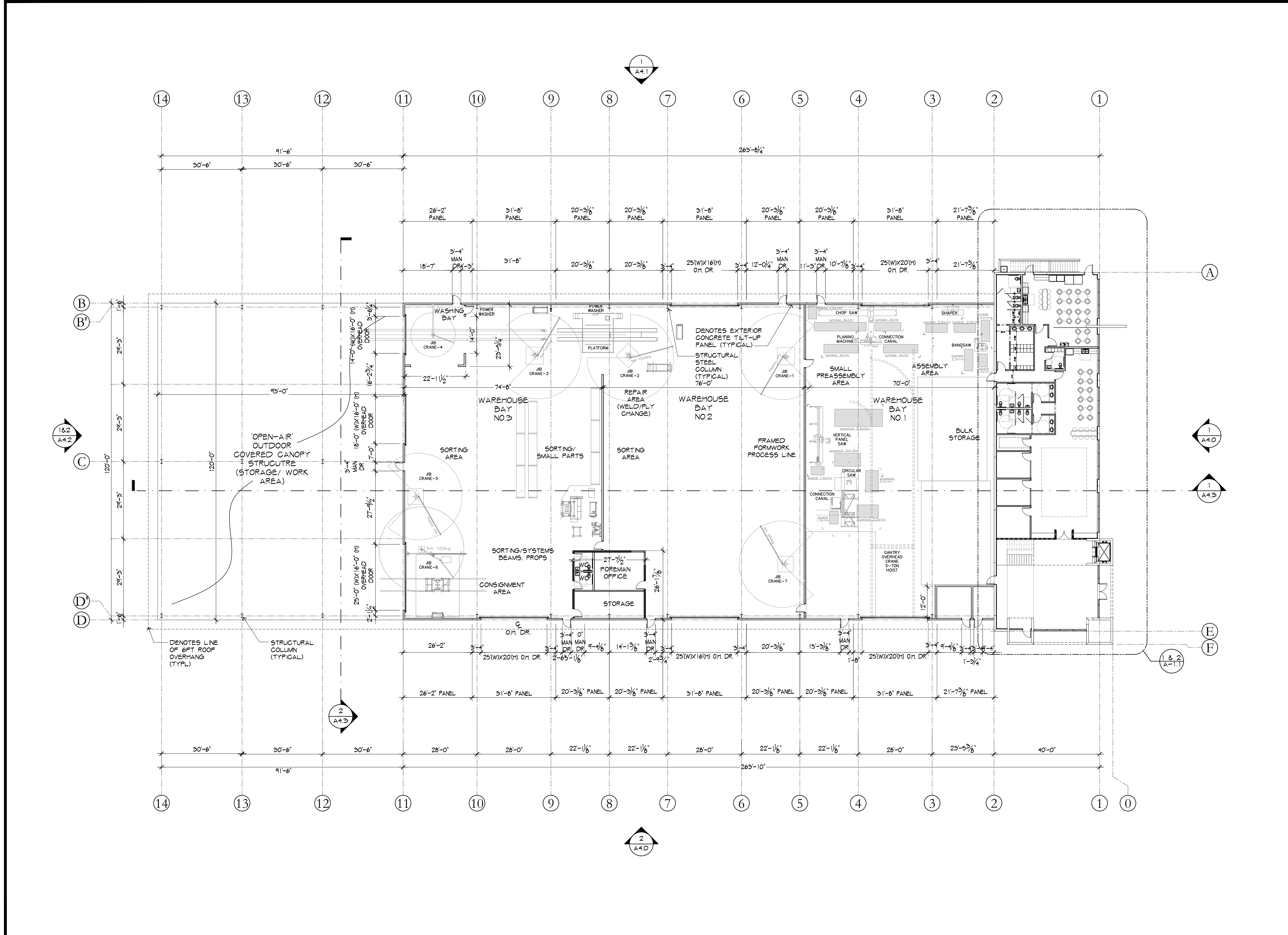


MICHAEL W. HANLON
FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
ELECTRONIC SIGNATURE SERIAL NUMBER:

HNM PROJECT NUMBER:
19-009.1
ISSUED DATE:
2020-09-02
SCALE:
AS NOTED

TITLE:
SITE DETAILS

DRAWING NUMBER:
A-0.4



UMDASCH REAL ESTATE USA, LTD
 Office/Industrial Facility at
 2209 7th Avenue North
 City of Lake Worth Beach, Florida

NO. DATE REVISION
 ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

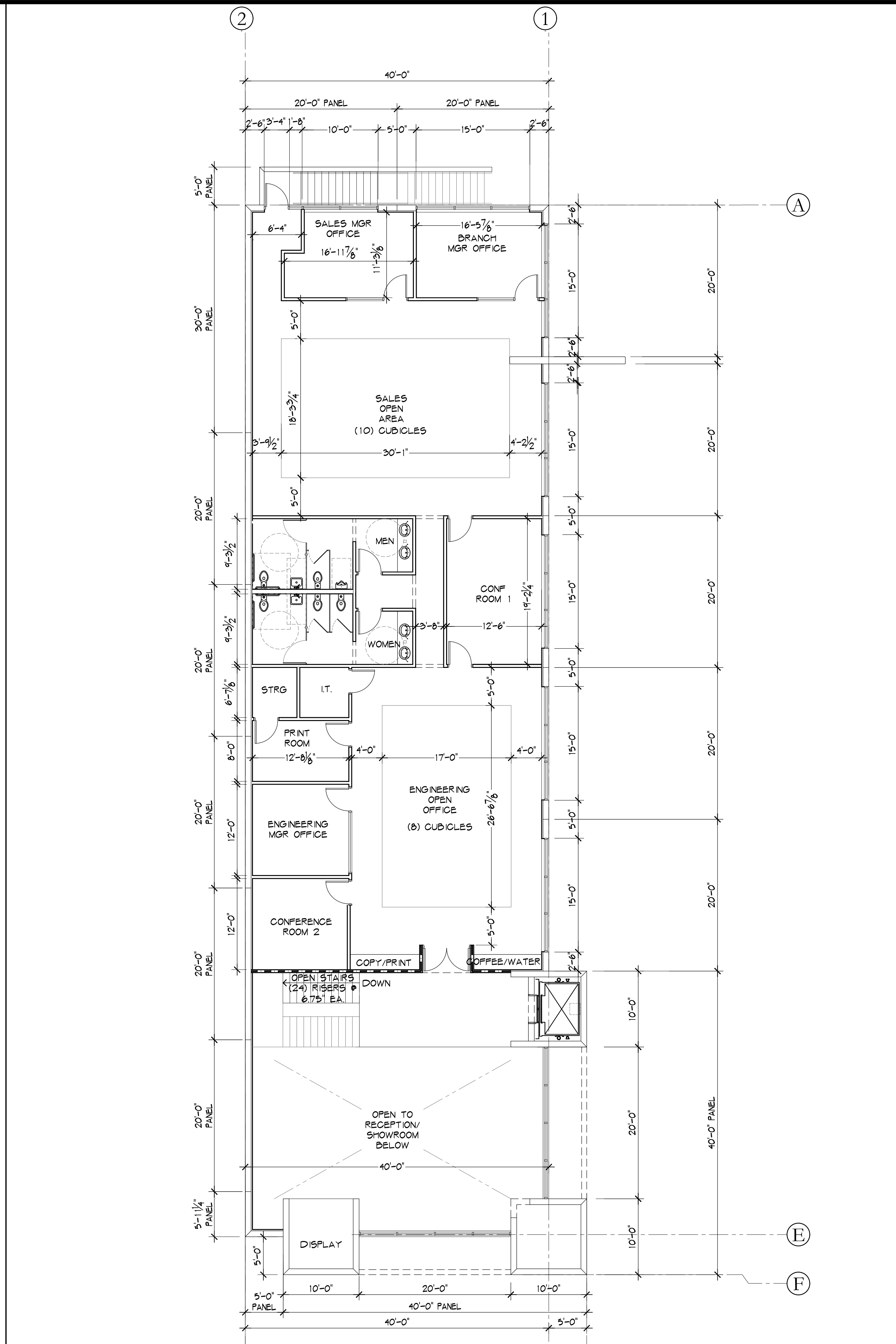
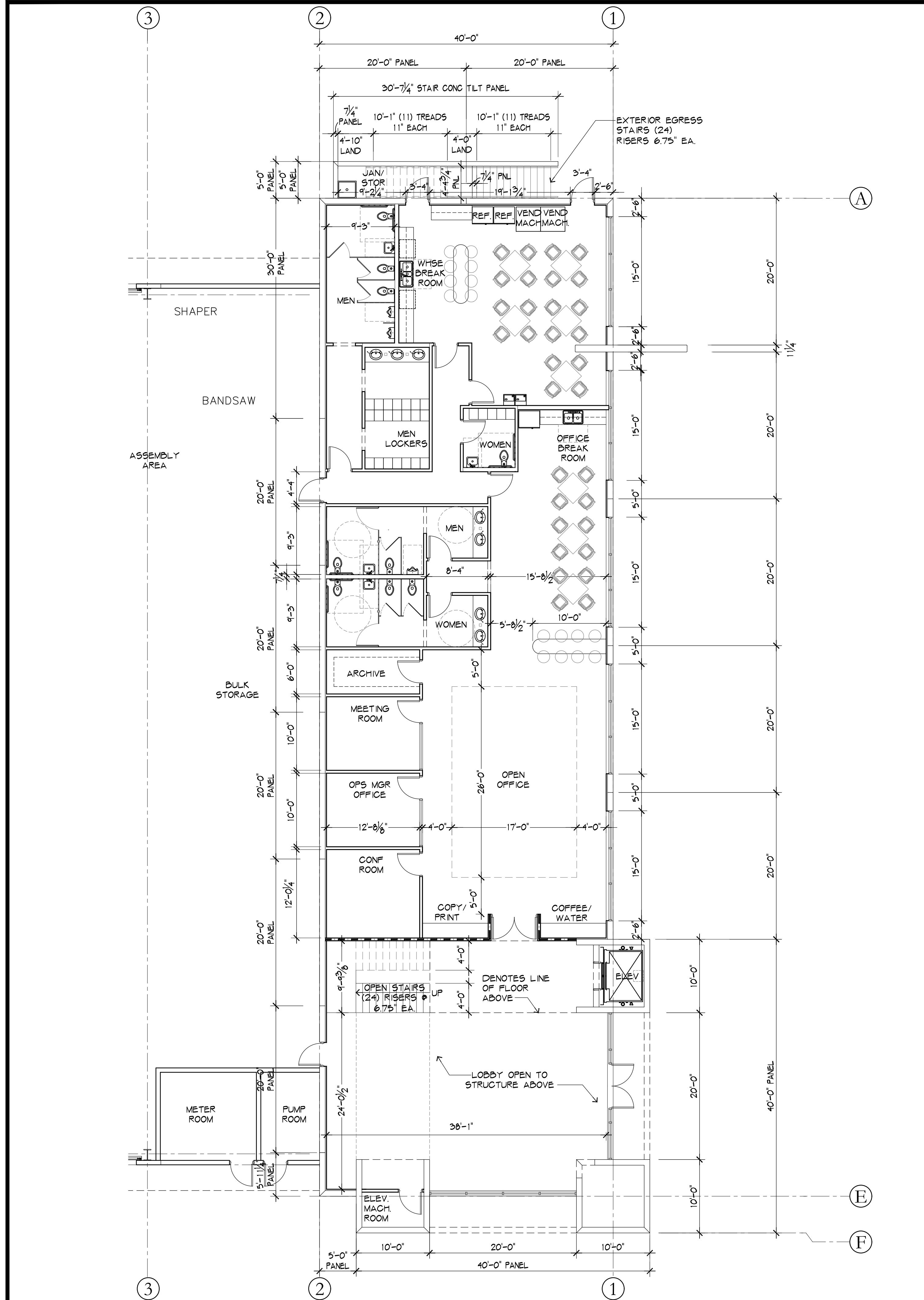
CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.



MICHAEL W. HANLON
 FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
 ELECTRONIC SIGNATURE SERIAL NUMBER:

HNM PROJECT NUMBER: 19-009.1
 ISSUED DATE: 2020-09-02
 SCALE: 1/16" = 1'-0"
 TITLE: OVERALL BUILDING FLOOR PLAN

DRAWING NUMBER: **A1.0**



UMDASCH REAL ESTATE USA, LTD
 Office/Industrial Facility at
 2209 7th Avenue North
 City of Lake Worth Beach, Florida

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.



MICHAEL W. HANLON
 FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
 ELECTRONIC SIGNATURE SERIAL NUMBER:

HNM PROJECT NUMBER: 19-009.1
 ISSUED DATE: 2020-09-02
 SCALE: 1/8" = 1'-0"

TITLE: ENLARGED OFFICE FLOOR PLANS

DRAWING NUMBER: **A1.1**

UMDASCH REAL ESTATE USA, LTD
 Office/Industrial Facility at
 2209 7th Avenue North
 City of Lake Worth Beach, Florida

NO. DATE REVISION
 ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

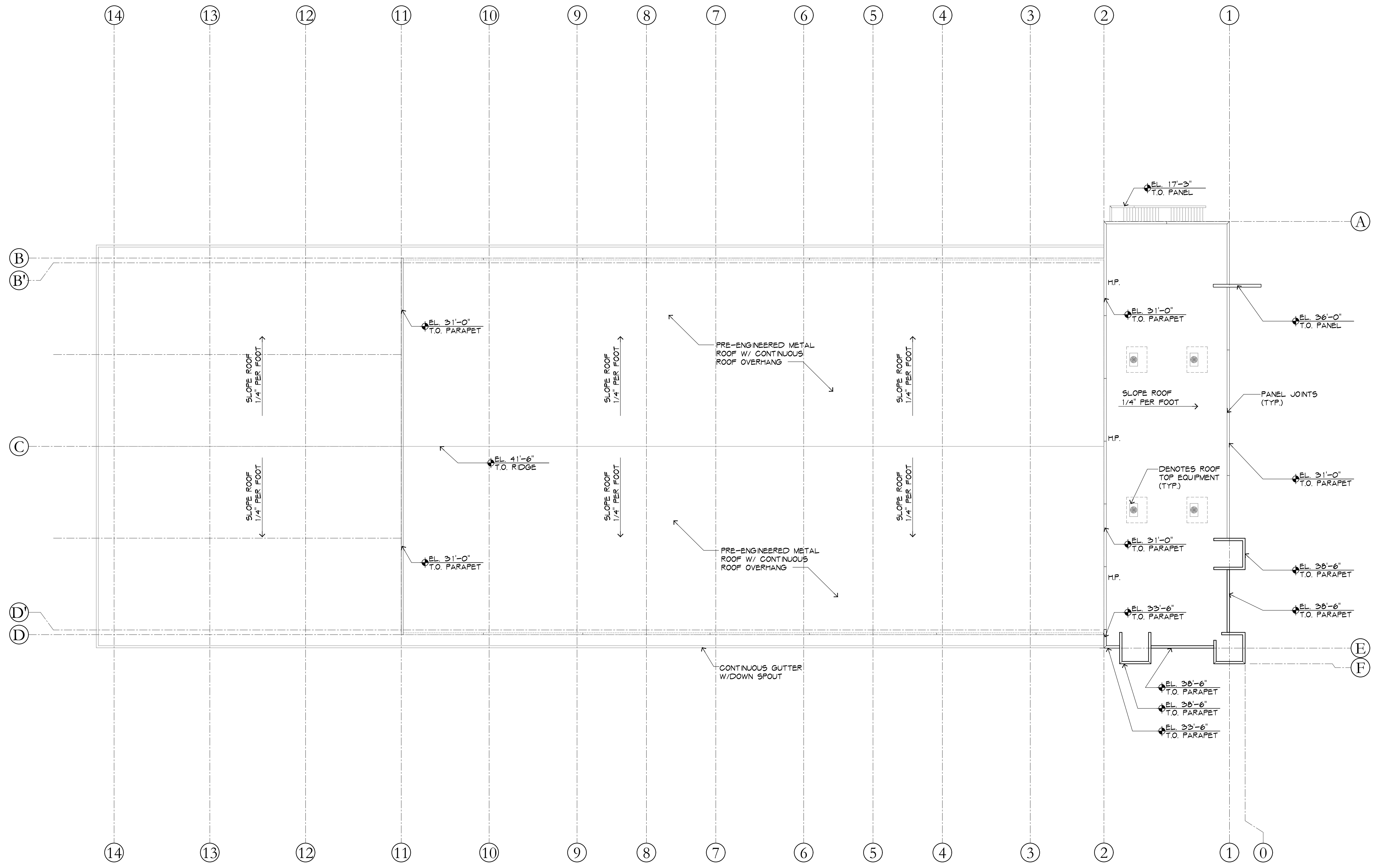


MICHAEL W. HANLON
 FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
 ELECTRONIC SIGNATURE SERIAL NUMBER:

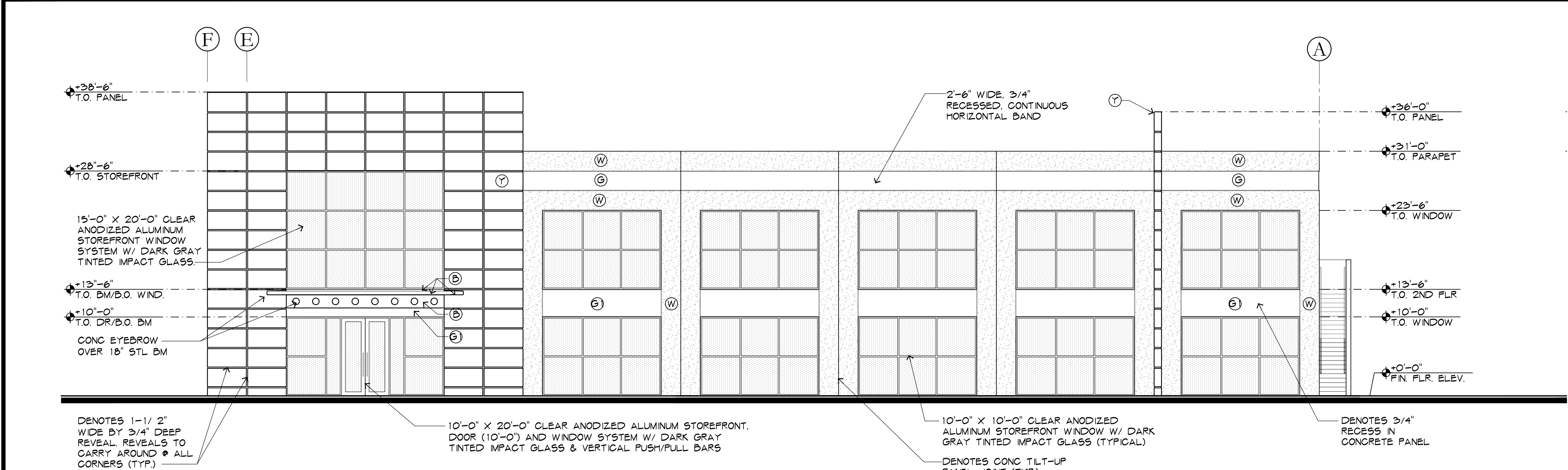
HNM PROJECT NUMBER:
 19-009.1
 ISSUED DATE:
 2020-11-13
 SCALE:
 1/16"=1'-0"

TITLE:
ROOF PLAN

DRAWING NUMBER:
A-3.0



NEW SHEET

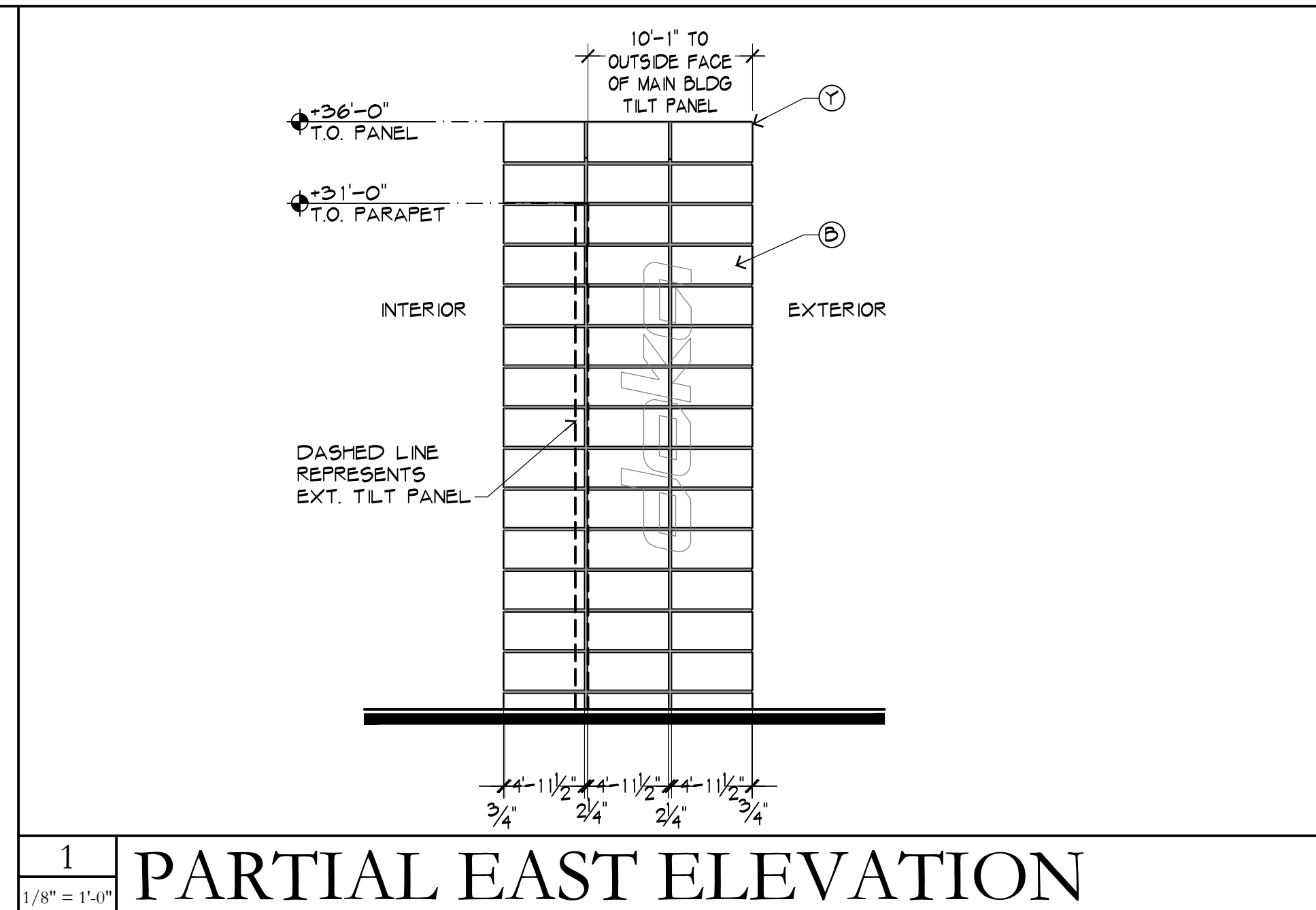
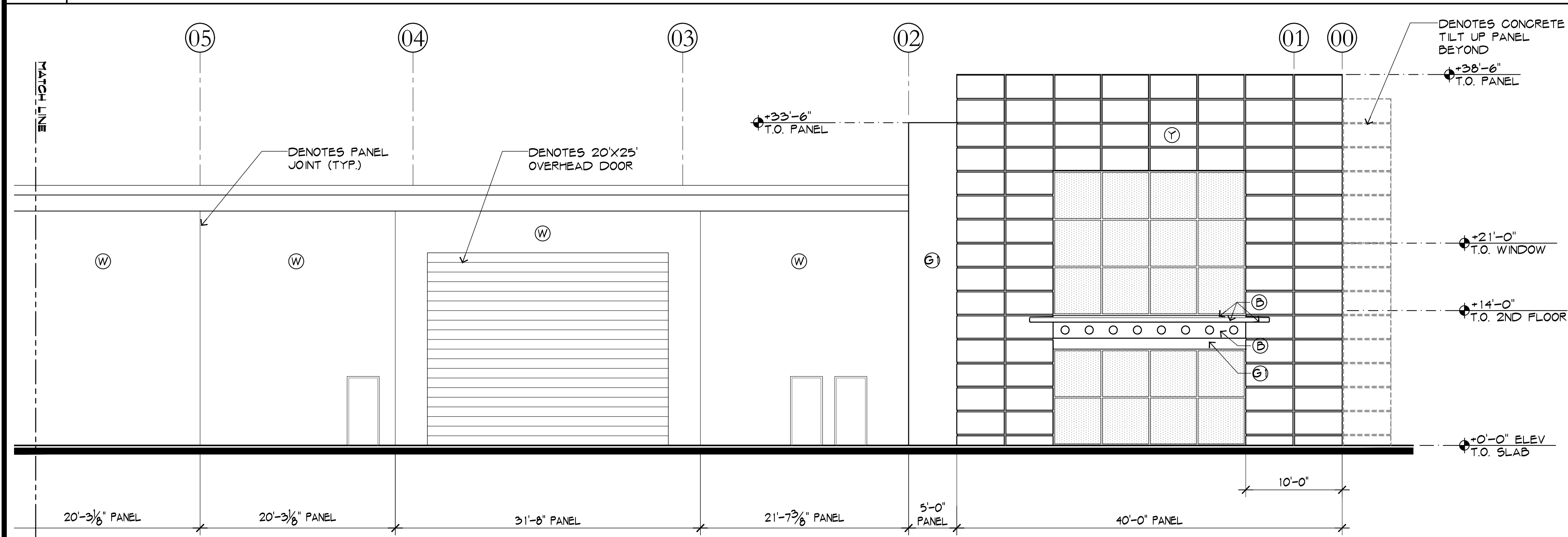


PAINT COLOR LEGEND:

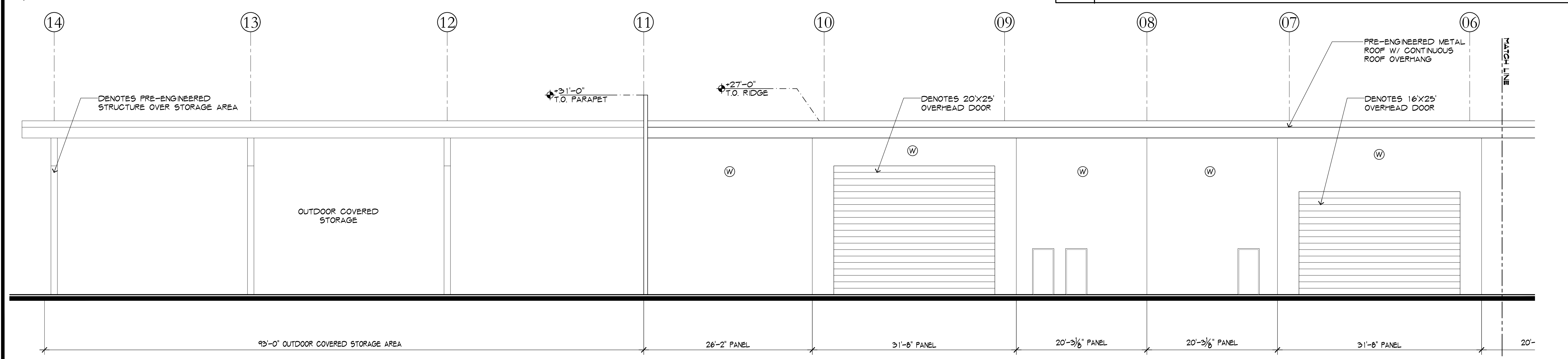
Ⓒ	LIGHT GRAY: SW 7071 "GRAY SCREEN"
Ⓓ	DARK GRAY: SW 2740 "MINERAL GRAY"
Ⓦ	BLUE: SW 2940 "BRIDGEPORT"
Ⓔ	WHITE: SW 7005 "PURE WHITE"
Ⓨ	YELLOW: SW 6910 "DAISY"

- NOTES:**
- ALL WINDOWS TO BE WHITE SATIN FINISH ALUMINUM FRAMES WITH TINTED IMPACT GLASS, UNO.
 - PROVIDE MEDIUM TEXTURED ACRYLIC COATING WITH INTEGRAL BASE BUILDING COLOR (TEXCOTE XL-70 OR A APPROVED EQUAL) ON ALL EXTERIOR WALLS EXCEPT DOCK DOOR WALLS AND UTILITY ROOM WALLS.
 - ACCENT COLORS AND DOCK AREA WALLS TO BE PRIMED AND HAVE TWO (2) COATS OF COMMERCIAL QUALITY GRADE LATEX PAINT. WHERE DARK COLORS ARE USED, PROVIDE SATIN FINISH LATEX.
 - ALL COLORS TO BE "SHERWIN WILLIAMS" EXTERIOR ACRYLIC LATEX OR APPROVED EQUAL.
 - MISCELLANEOUS METALS INCLUDING EXTERIOR EXPOSED METALS (IE. HANDRAILS, LADDERS, BOLLARDS) TO HAVE ONE (1) COAT OF PRIMER AND TWO (2) COATS OF COMMERCIAL QUALITY GRADE ENAMEL PAINT.
 - CONTRACTOR TO PROVIDE SAMPLES OF COLORS ON ACTUAL BUILDING FOR OWNER'S FINAL REVIEW.
 - RETURN ALL REVEALS & PANEL OVERLAPS, TYP.
 - ALL EXTERIOR TILT UP WALLS TO RECEIVE TEX-COTE XL-70W. FINISHES AS FOLLOWS:
 - ENTRY PANEL: FINE
 - HORIZONTAL BAND: SMOOTH
 - MAIN BLDG PANELS: MEDIUM
 - YELLOW ACCENT WALL: FINE

1
1/8" = 1'-0"
NORTH ELEVATION



1
1/8" = 1'-0"
PARTIAL EAST ELEVATION

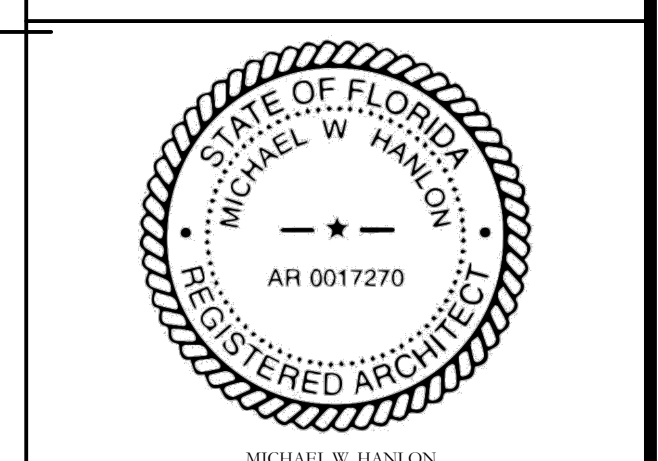
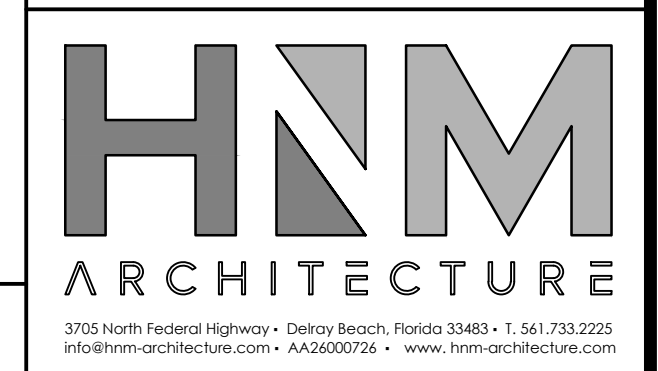


2
1/8" = 1'-0"
EAST ELEVATION

UMDASCH REAL ESTATE USA, LTD
Office/Industrial Facility at
2209 7th Avenue North
City of Lake Worth Beach, Florida

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OR DRAWING, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

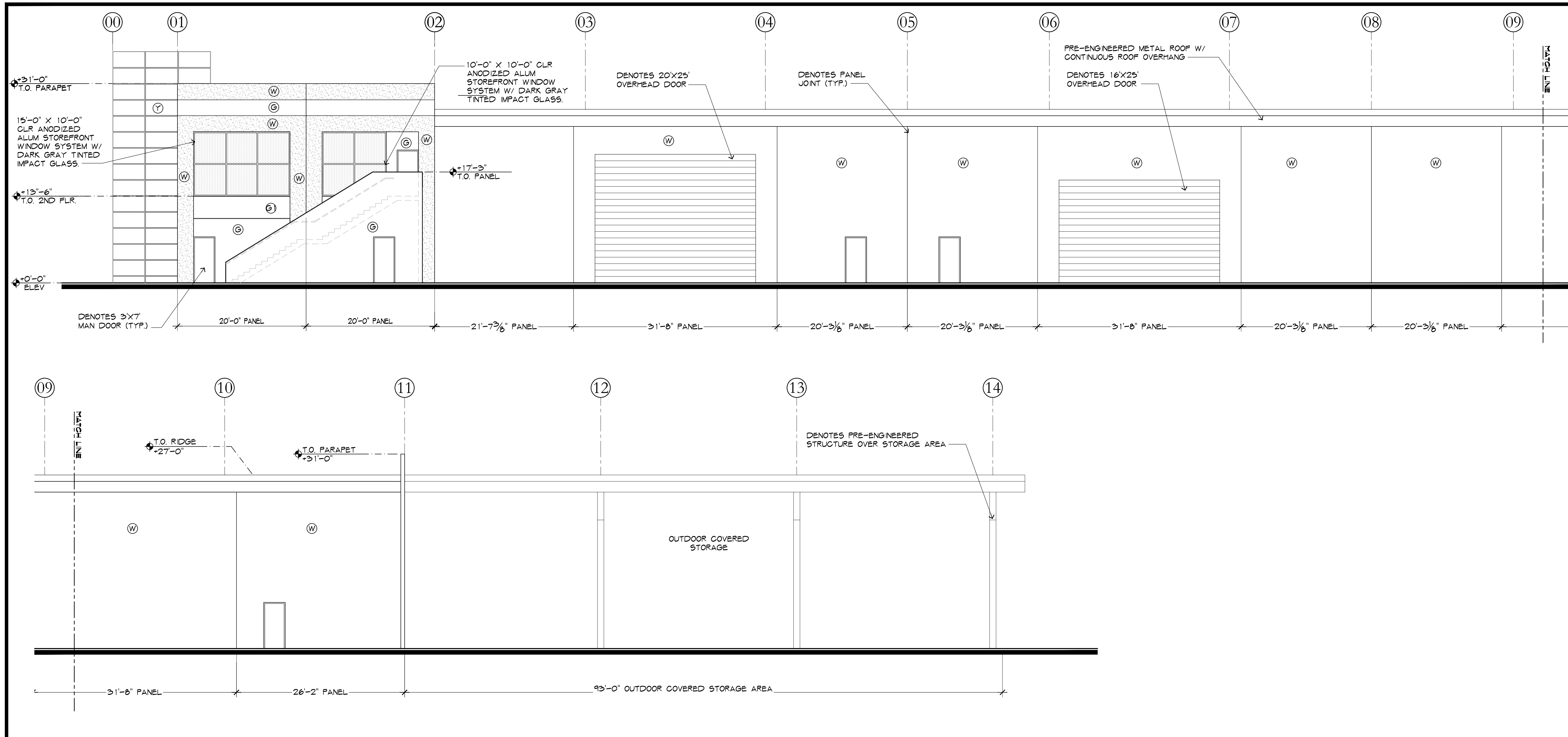


MICHAEL W. HANLON
FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
ELECTRONIC SIGNATURE SERIAL NUMBER:

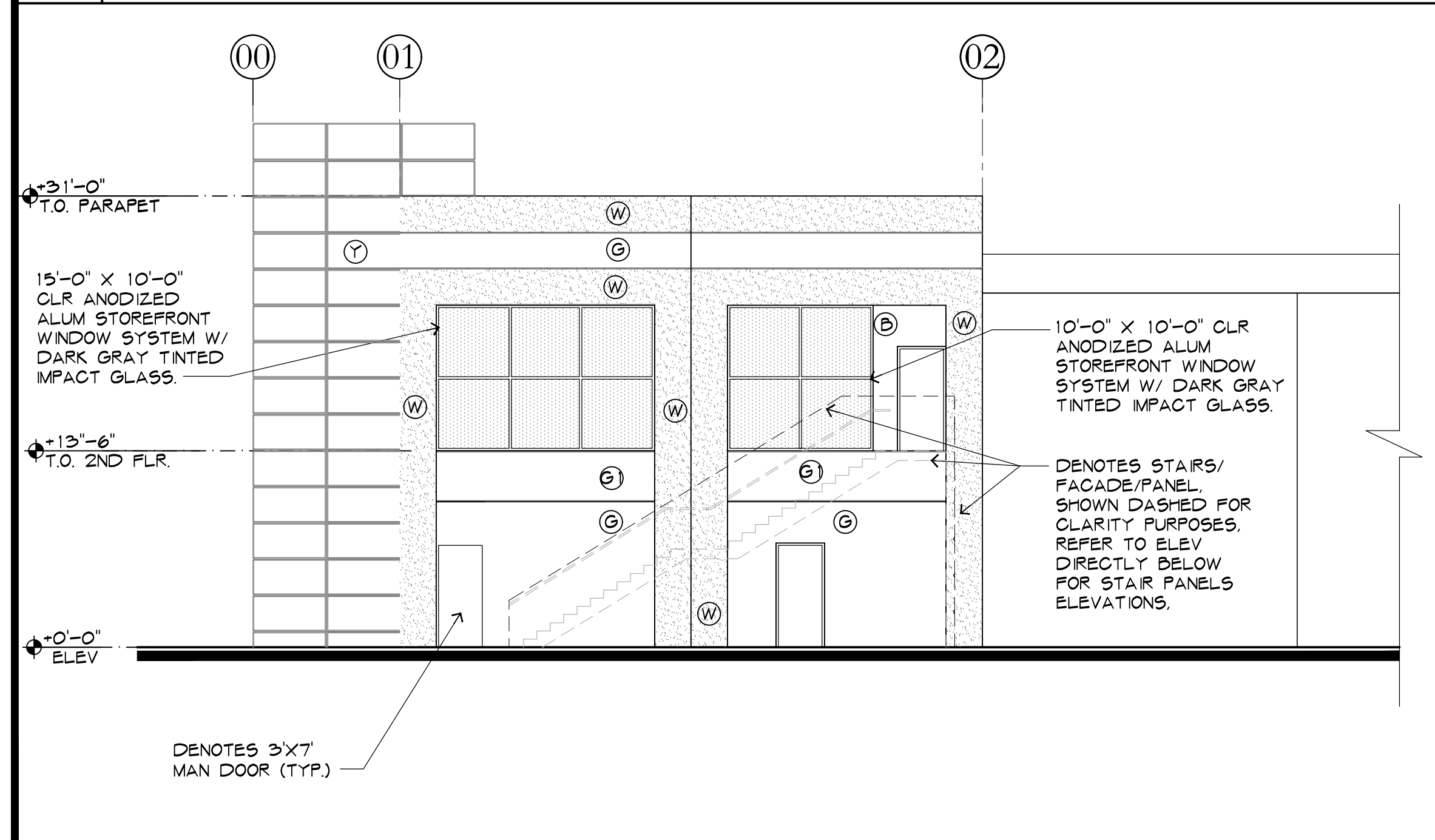
HNM PROJECT NUMBER:
19-009.1
ISSUED DATE:
2020-09-02
SCALE:
1/8" = 1'-0"

TITLE:
NORTH & EAST ELEVATIONS

DRAWING NUMBER:
A4.0



1 WEST ELEVATION
1/8" = 1'-0"

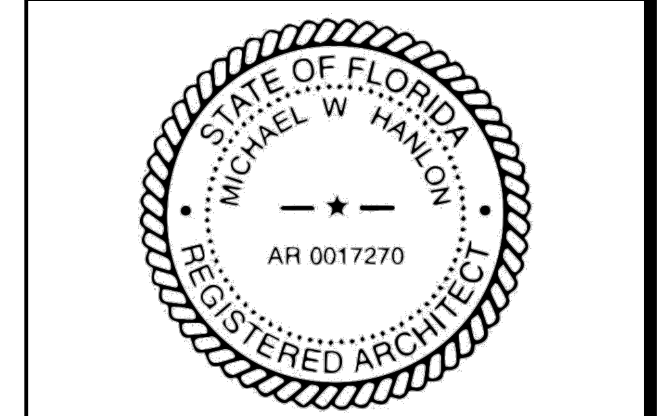


1A WEST ELEVATION - STAIR FACADE
1/8" = 1'-0"

UMDASCH REAL ESTATE USA, LTD
Office/Industrial Facility at
2209 7th Avenue North
City of Lake Worth Beach, Florida

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OR DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

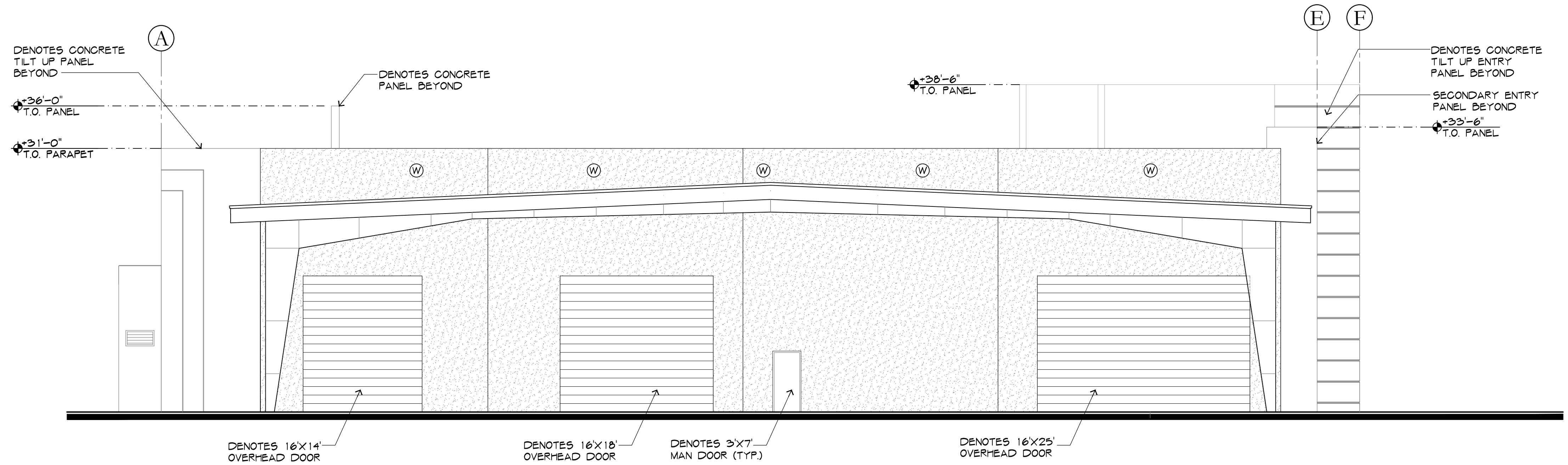


MICHAEL W. HANLON
FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
ELECTRONIC SIGNATURE SERIAL NUMBER:

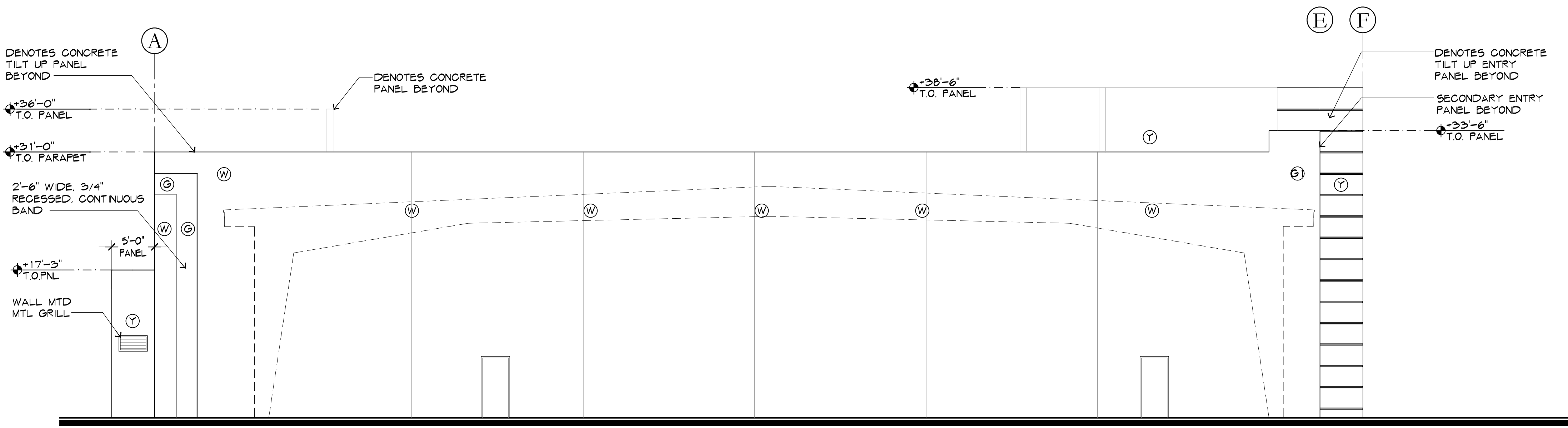
HNM PROJECT NUMBER: 19-009.1
ISSUED DATE: 2020-09-02
SCALE: 1/8" = 1'-0"

TITLE: WEST ELEVATION

DRAWING NUMBER: A4.1



1 SOUTH ELEVATION
1/8" = 1'-0"

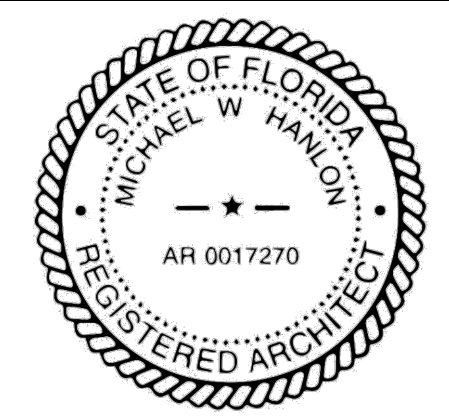


2 SOUTH ELEVATION @ OFFICE AREA
1/8" = 1'-0"

UMDASCH REAL ESTATE USA, LTD
Office/Industrial Facility at
2209 7th Avenue North
City of Lake Worth Beach, Florida

NO. DATE REVISION
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

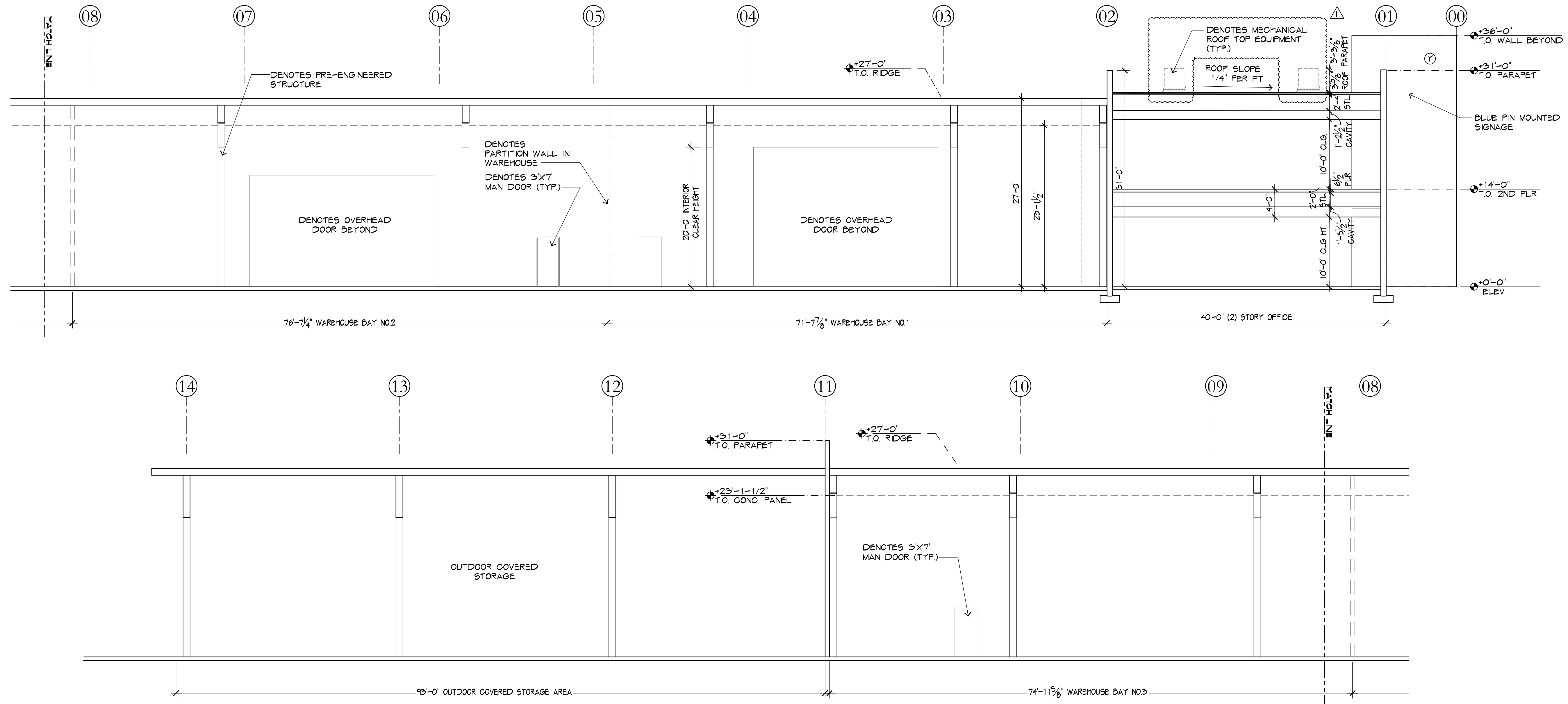


MICHAEL W. HANLON
FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
ELECTRONIC SIGNATURE SERIAL NUMBER:

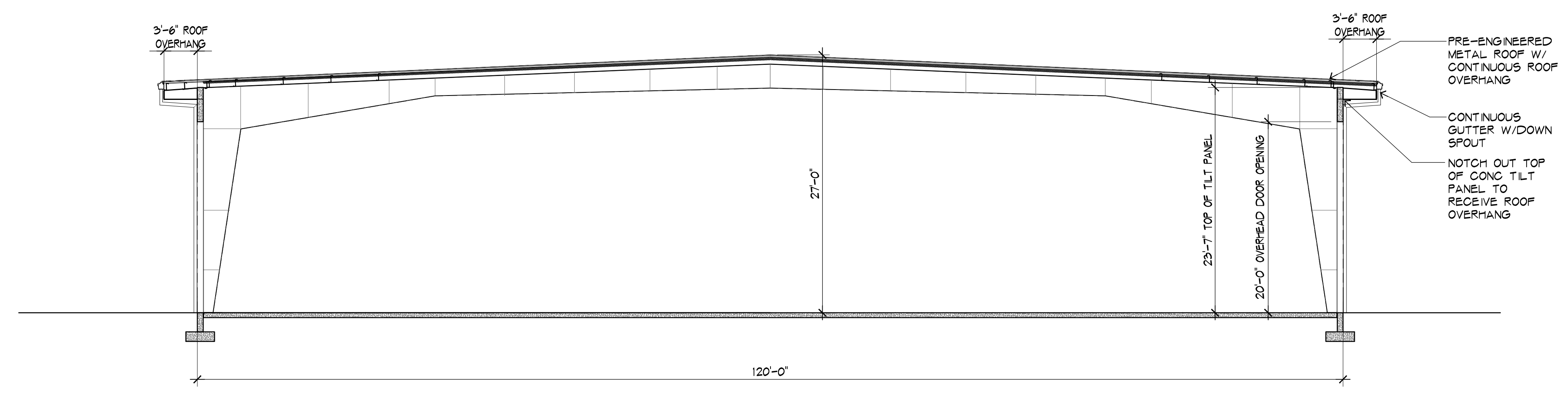
HNM PROJECT NUMBER:
19-009.1
ISSUED DATE:
2020-09-02
SCALE:
1/8" = 1'-0"

TITLE:
SOUTH ELEVATIONS

DRAWING NUMBER:
A4.2



1
1/8" = 1'-0" LONGITUDINAL SECTION - OFFICE / PARTIAL WAREHOUSE



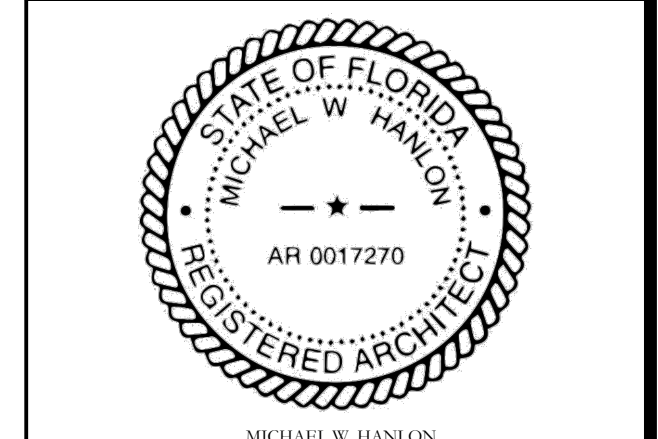
2
1/8" = 1'-0" CROSS SECTION - WAREHOUSE

UMDASCH REAL ESTATE USA, LTD
Office/Industrial Facility at
2209 7th Avenue North
City of Lake Worth Beach, Florida

2020-11-15
SITE PLAN APPLICATION

ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.



MICHAEL W. HANSON
FLORIDA REGISTERED ARCHITECT - REG. NUMBER: AR0017270
ELECTRONIC SIGNATURE SERIAL NUMBER:

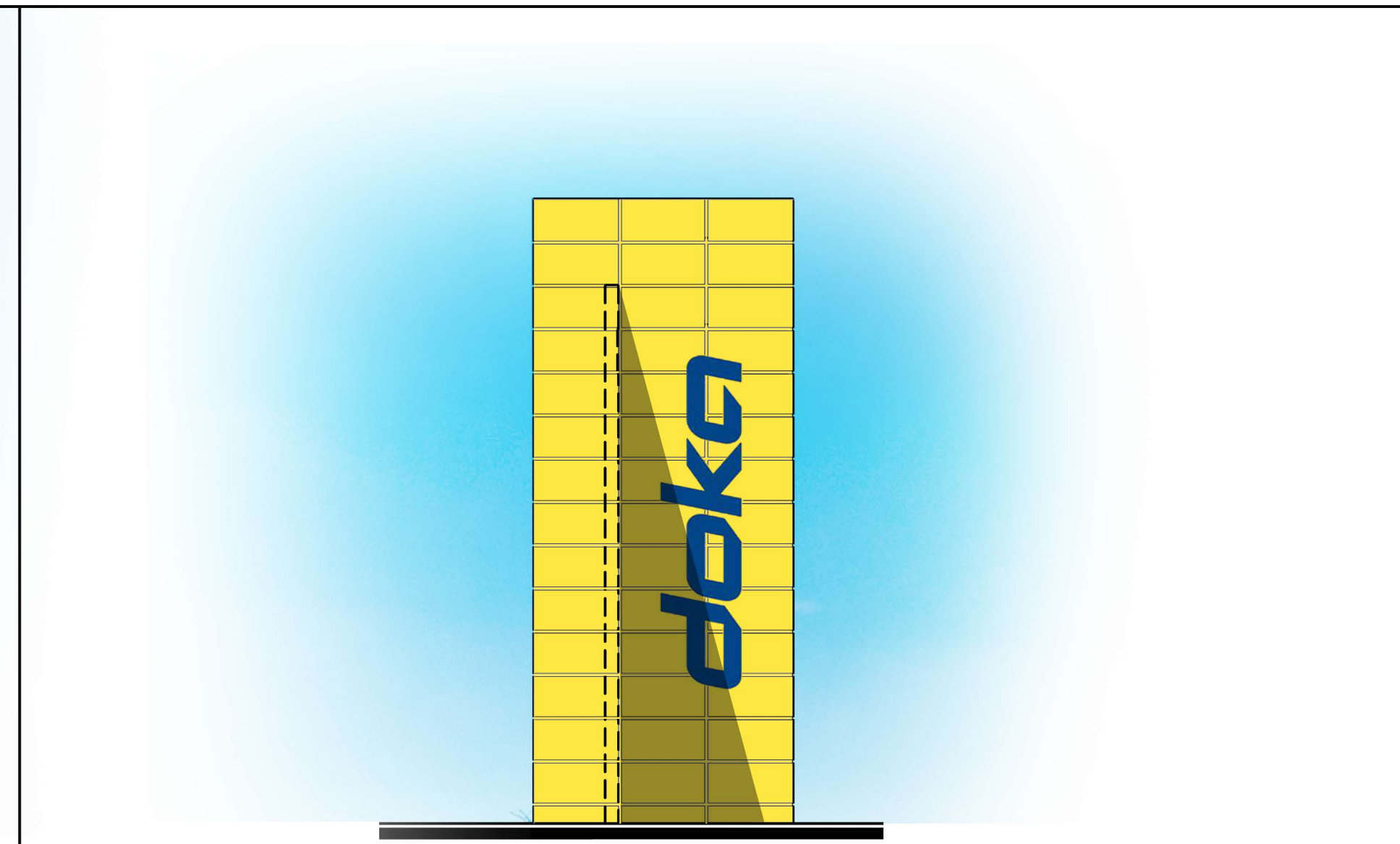
HNSI PROJECT NUMBER:
19-009.1
ISSUED DATE:
2020-11-13
SCALE:
1/8" = 1'-0"

TITLE:
SECTIONS

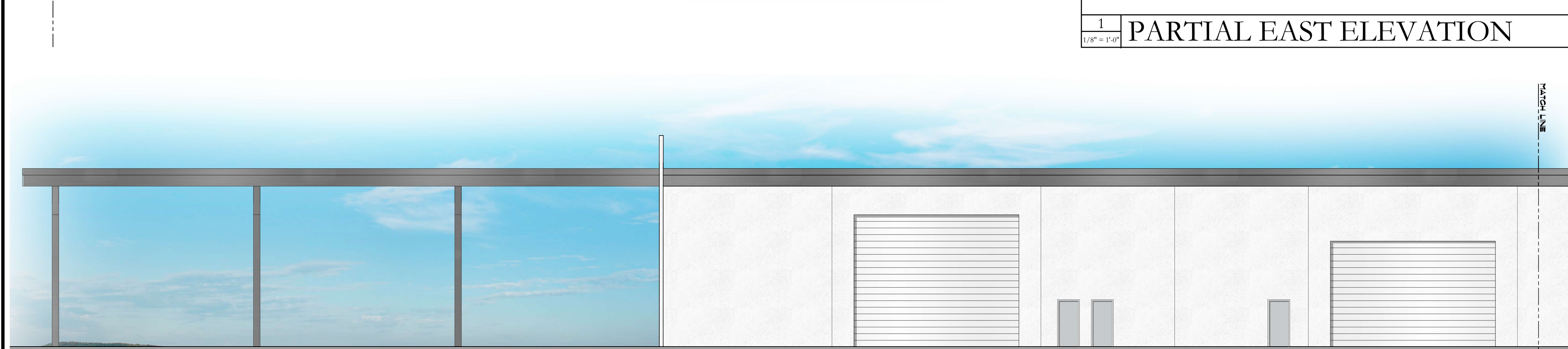
DRAWING NUMBER:
A4.3



1
1/8" = 1'-0" NORTH ELEVATION



1
1/8" = 1'-0" PARTIAL EAST ELEVATION

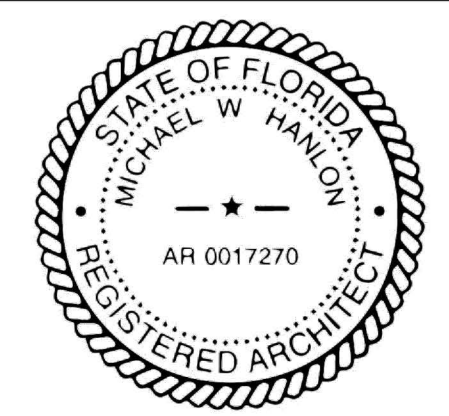


2
1/8" = 1'-0" EAST ELEVATION

UMDASCH REAL
ESTATE USA, LTD
Office/Industrial Facility at
2209 7th Avenue North
City of Lake Worth Beach, Florida

NO. DATE REVISION
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.



MICHAEL W. HANLON
FLORIDA REGISTERED ARCHITECT REG. NUMBER AR0017270
ELECTRONIC SIGNATURE SERIAL NUMBER:

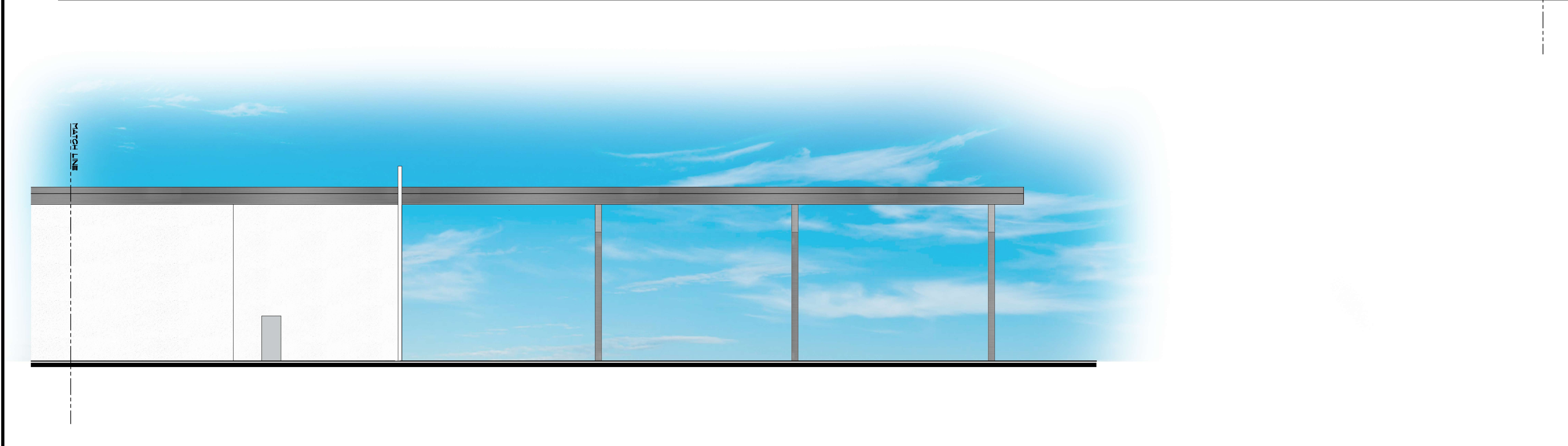
HNM PROJECT NUMBER:
19-009.1
ISSUED DATE:
2020-09-02
SCALE:
1/8" = 1'-0"

TITLE:
NORTH & EAST
RENDER ELEVATIONS

DRAWING NUMBER:
A4.4



ENT PLATE



MATCH LINE

1
1/8" = 1'-0"
WEST ELEVATION

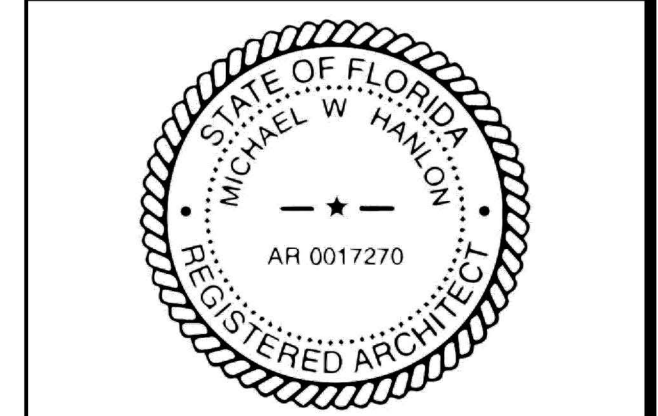


1A
1/8" = 1'-0"
WEST ELEVATION - STAIR FACADE

UMDASCH REAL ESTATE USA, LTD
Office/Industrial Facility at
2209 7th Avenue North
City of Lake Worth Beach, Florida

NO. DATE REVISION
ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

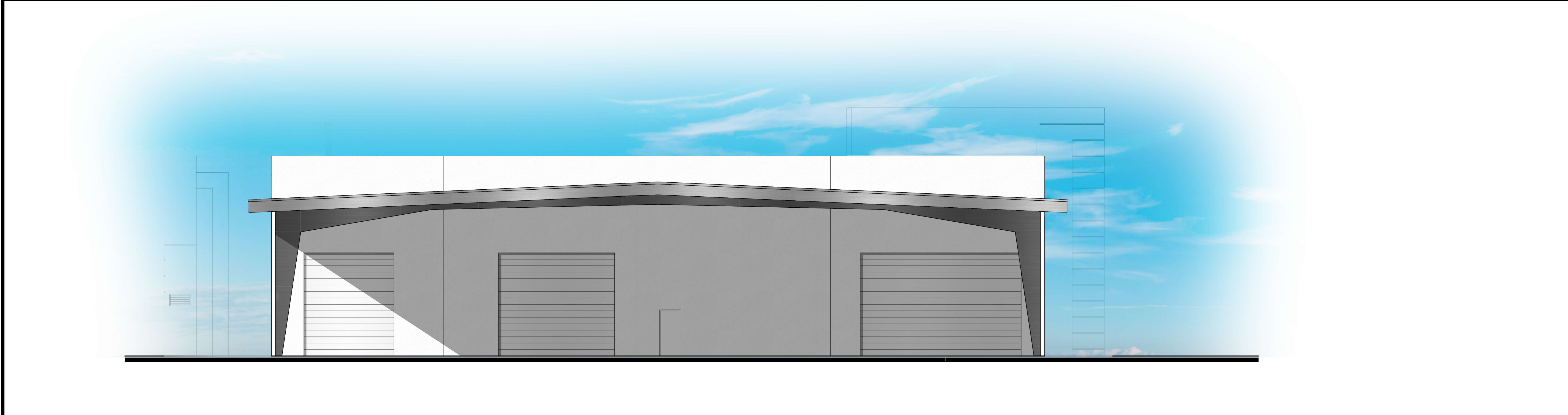


MICHAEL W. HANLON
FLORIDA REGISTERED ARCHITECT REG. NUMBER AR0017270
ELECTRONIC SIGNATURE SERIAL NUMBER:

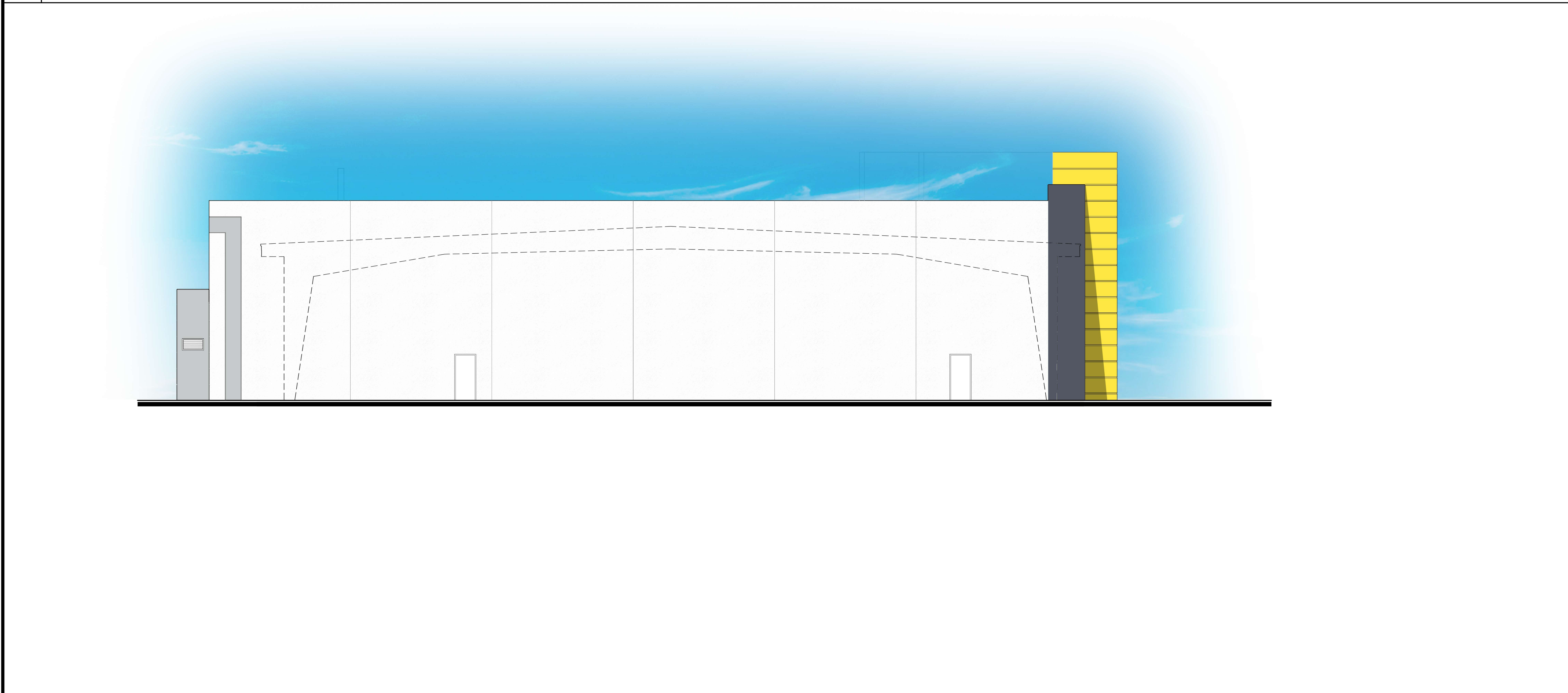
HNM PROJECT NUMBER:
19-009.1
ISSUED DATE:
2020-09-02
SCALE:
1/8" = 1'-0"

TITLE:
WEST RENDER ELEVATION

DRAWING NUMBER:
A4.5



1 SOUTH ELEVATION

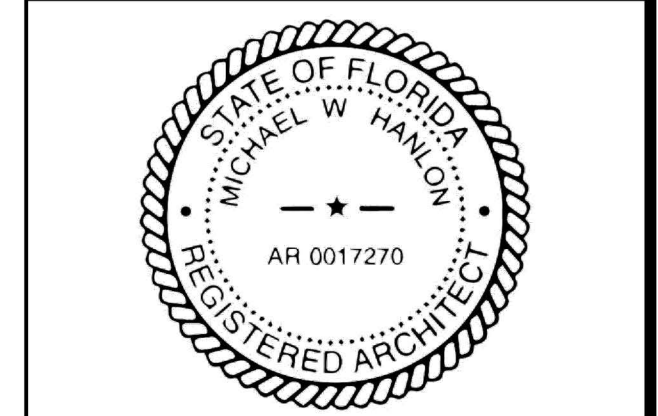


2 SOUTH ELEVATION @ OFFICE AREA

UMDASCH REAL
 ESTATE USA, LTD
 Office/Industrial Facility at
 2209 7th Avenue North
 City of Lake Worth Beach, Florida

NO. DATE REVISION
 ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ARCHITECT AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OF DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS IN PART OR WHOLE IS FORBIDDEN WITHOUT THE ARCHITECT'S WRITTEN PERMISSION.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.



MICHAEL W. HANLON
 FLORIDA REGISTERED ARCHITECT REG. NUMBER AR0017270
 ELECTRONIC SIGNATURE SERIAL NUMBER:

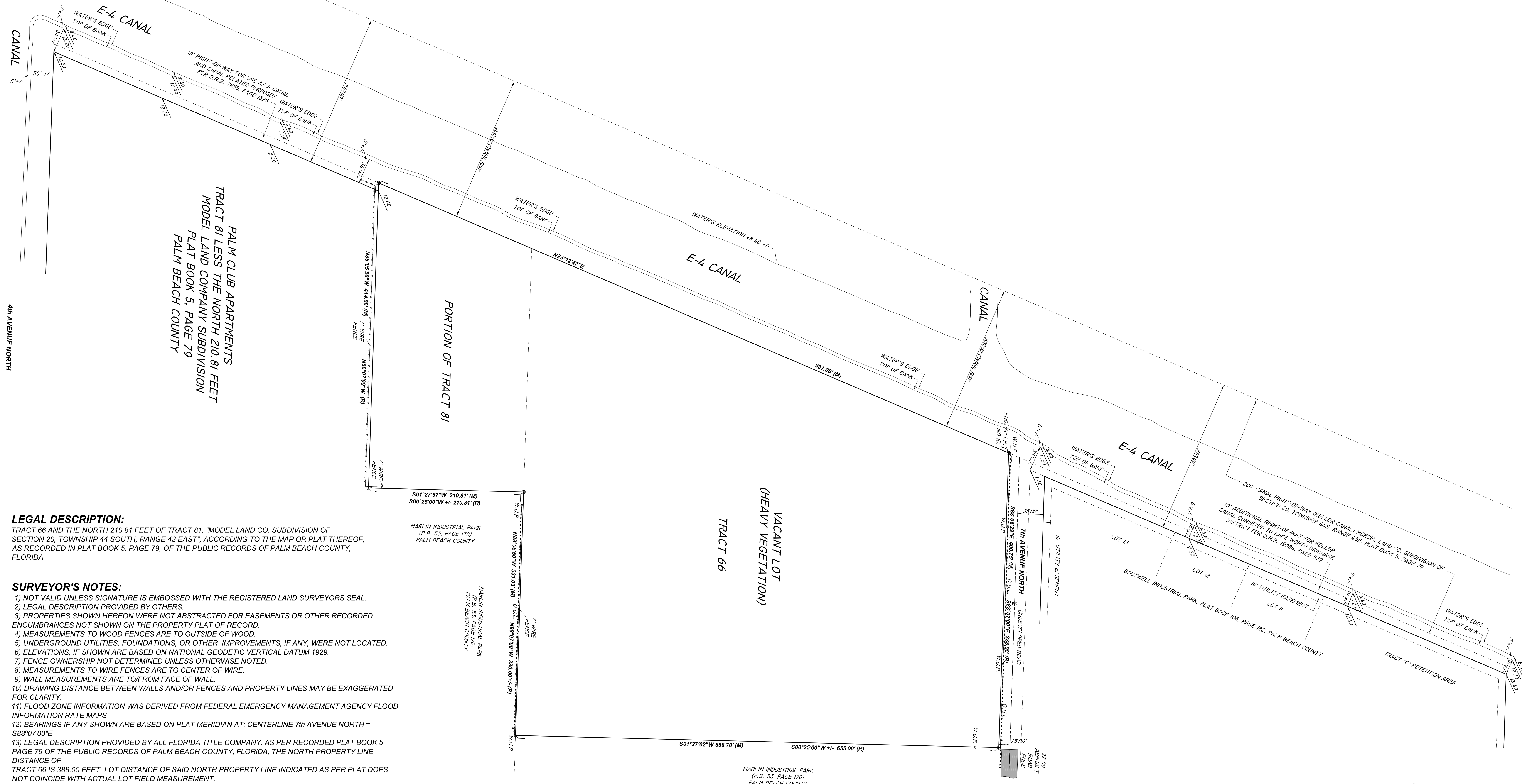
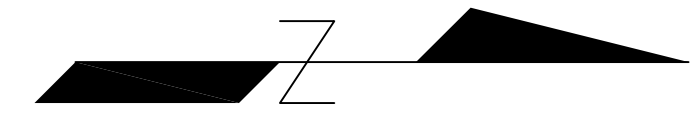
HNM PROJECT NUMBER:
 19-009.1
 ISSUED DATE:
 2020-09-02
 SCALE:
 1/8"=1'-0"

TITLE:
 SOUTH RENDER
 ELEVATION

DRAWING NUMBER:
 A4.6







LEGAL DESCRIPTION:
 TRACT 66 AND THE NORTH 210.81 FEET OF TRACT 81, "MODEL LAND CO. SUBDIVISION OF SECTION 20, TOWNSHIP 44 SOUTH, RANGE 43 EAST", ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, PAGE 79, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

SURVEYOR'S NOTES:

- 1) NOT VALID UNLESS SIGNATURE IS EMBOSSED WITH THE REGISTERED LAND SURVEYORS SEAL.
- 2) LEGAL DESCRIPTION PROVIDED BY OTHERS.
- 3) PROPERTIES SHOWN HEREON WERE NOT ABSTRACTED FOR EASEMENTS OR OTHER RECORDED ENCUMBRANCES NOT SHOWN ON THE PROPERTY PLAT OF RECORD.
- 4) MEASUREMENTS TO WOOD FENCES ARE TO OUTSIDE OF WOOD.
- 5) UNDERGROUND UTILITIES, FOUNDATIONS, OR OTHER IMPROVEMENTS, IF ANY, WERE NOT LOCATED.
- 6) ELEVATIONS, IF SHOWN ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM 1929.
- 7) FENCE OWNERSHIP NOT DETERMINED UNLESS OTHERWISE NOTED.
- 8) MEASUREMENTS TO WIRE FENCES ARE TO CENTER OF WIRE.
- 9) WALL MEASUREMENTS ARE TO/FROM FACE OF WALL.
- 10) DRAWING DISTANCE BETWEEN WALLS AND/OR FENCES AND PROPERTY LINES MAY BE EXAGGERATED FOR CLARITY.
- 11) FLOOD ZONE INFORMATION WAS DERIVED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INFORMATION RATE MAPS.
- 12) BEARINGS IF ANY SHOWN ARE BASED ON PLAT MERIDIAN AT: CENTERLINE 7th AVENUE NORTH = S88°07'00"E
- 13) LEGAL DESCRIPTION PROVIDED BY ALL FLORIDA TITLE COMPANY. AS PER RECORDED PLAT BOOK 5 PAGE 79 OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, THE NORTH PROPERTY LINE DISTANCE OF TRACT 66 IS 388.00 FEET. LOT DISTANCE OF SAID NORTH PROPERTY LINE INDICATED AS PER PLAT DOES NOT COINCIDE WITH ACTUAL LOT FIELD MEASUREMENT.

SURVEY NUMBER: 213375

CONCRETE	PROPERTY LINE	PRM	PERMANENT REFERENCE MONUMENT	FD 4"CP	FOUND 4" CONCRETE POST	(M)	FIELD MEASURED
WIRE FENCE	RECORD MEASUREMENT	PCP	PERMANENT CONTROL POINT	SRB	SET 1/2" DIAMETER REBAR	(CH)	CHORD
WOOD FENCE	DRAINAGE & UTILITY EASEMENT	FO	FOUND	TAN	TANGENT	(E)	ELECTRIC UTILITY BOX
PROPERTY CORNER	UTILITY EASEMENT	CM	CONCRETE MONUMENT	Δ	DELTA	(±)	MORE OR LESS
POINT OF BEGINNING	LIGHT POLE	OUR	SUBJECT PROPERTY	TYP.	TYPICAL	(⊕)	DO NOT ENTER
POINT OF COMMENCEMENT	CATCH BASIN	NEIGH	NEIGHBORING PROPERTY	R/W	RIGHT-OF-WAY	(⊙)	GUY WIRE
POINT OF CURVE	WELL	CLR	CLEAR	ORB	OFFICIAL RECORD BOOK	(CV)	CONTROL VALVE
POINT OF INTERSECTION	PALM TREE	ENCR	ENCROACHMENT	L	ARC LENGTH	(FF)	FINISHED FLOOR
POINT OF TANGENCY	TREE	FIP	FOUND IRON PIPE	W	WITH	(EL)	ELEVATION
POINT OF REVERSE CURVE	STORM MANHOLE	FRB	FOUND REBAR	E	EAST	(N)	NOT TO SCALE
POINT OF COMPOUND CURVE	\$4.00 PARKING	UG	UNDERGROUND	W	WEST	(S)	SOUTH
	WATER VALVE	EMH	ELECTRICAL MANHOLE	ND	NAIL AND DISC	(N)	NORTH
		SMH	SEWER MANHOLE	CD	COMMUNICATIONS MANHOLE	(S)	SOUTH
				SGN	SIGN	(C)	CENTERLINE

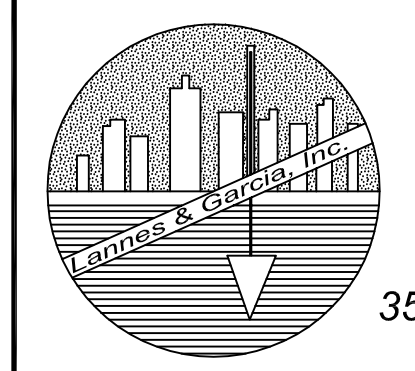
FLOOD ZONE: B/A7	PROPERTY OF: LW INDUSTRIAL, LLC
MAP & PANEL = 1201920165	LAKE WORTH, FLORIDA
COMMUNITY No.: 120192	
SUFFIX: B	
DATE OF FIRM: 6-2-92	
BASE ELEV. = -12.00 NGVD 1929	
L.F. ELEV. = N/A	NOTES LOWEST HABITABLE FLOOR ELEVATION.
ELEVATIONS SHOWN REFER TO N.G.V.D. 1929.	
LOWEST ADJACENT GRADE = N/A	
B.M. # CON 27 ELEV. = 13.687 (PALM BEACH COUNTY)	
GARAGE ELEV. = N/A	
E.R.P. = N/A	

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

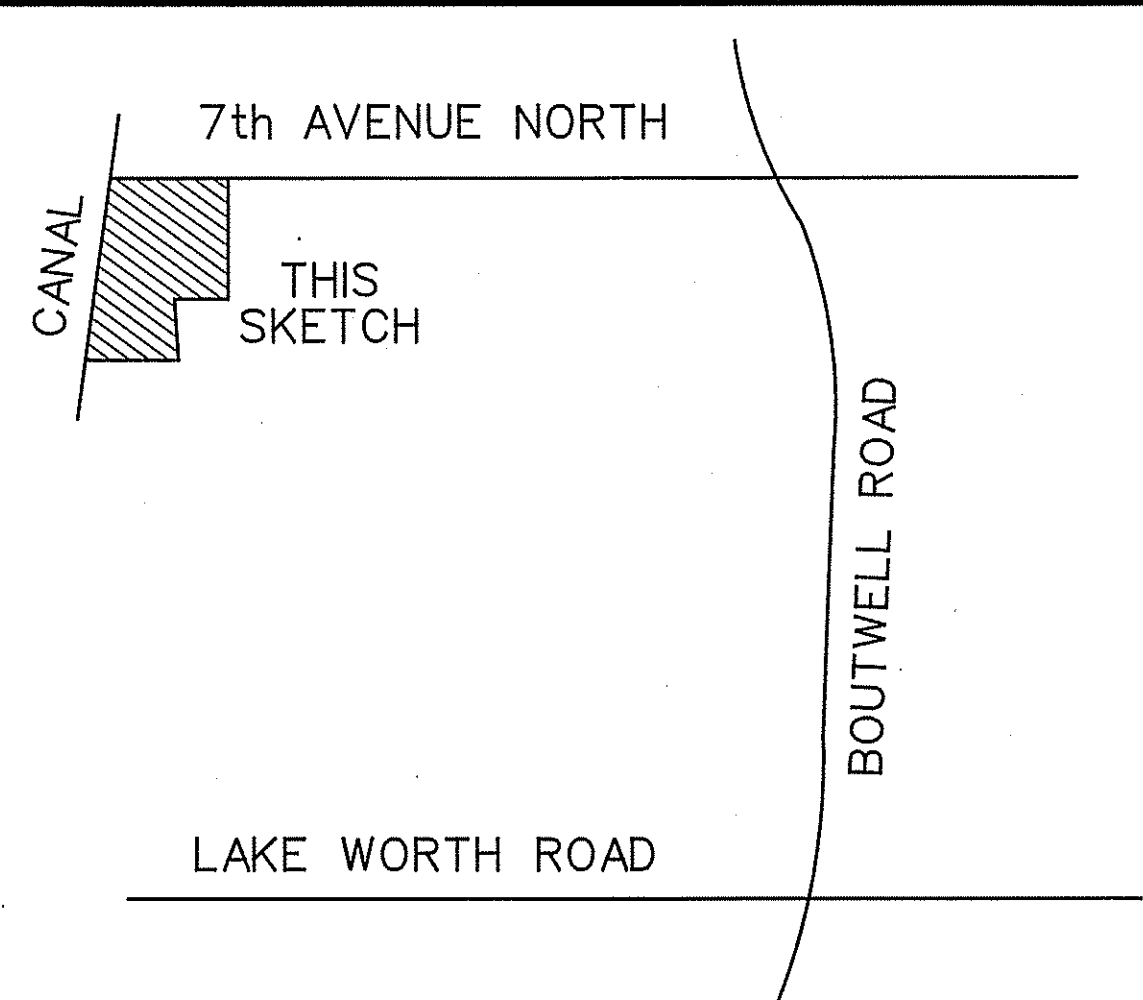
SPECIFIC PURPOSE SURVEY

I HEREBY CERTIFY THAT THIS BOUNDARY SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472-027, FLORIDA STATUTES.

PROFESSIONAL SURVEYOR AND MAPPER FLORIDA REG. NO. 4767



PROFESSIONAL SURVEYING AND MAPPING
LANNES & GARCIA, INC.
 LB # 2098
 BEALE SMITH PSM # 5238
 FRANCISCO F. FAJARDO PSM # 4767
 359 ALCAZAR AVENUE, CORAL GABLES, FLORIDA 33134
 PH (305) 666-7909 FAX (305) 559-3002

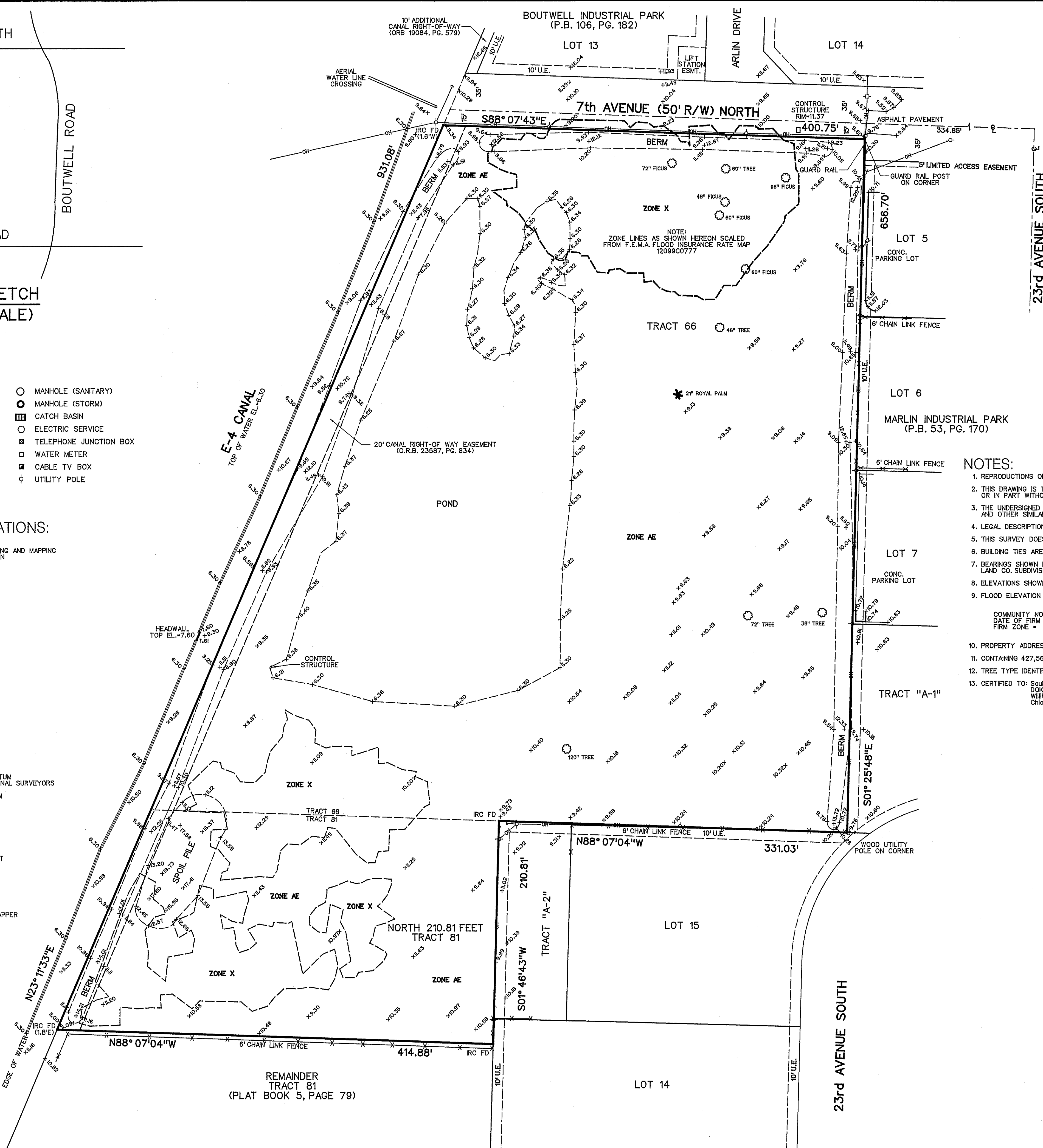


LOCATION SKETCH
(NOT TO SCALE)

- LEGEND:**
- SET 3/4" IR & CAP (LB 6893)
 - △ NAIL & TAB
 - POP
 - ⊙ PRM
 - +11.5 ELEVATION
 - ⊕ FIRE HYDRANT
 - ⊖ CENTERLINE
 - ⊕ LIGHT POLES
 - MANHOLE (SANITARY)
 - MANHOLE (STORM)
 - ⊠ CATCH BASIN
 - ⊙ ELECTRIC SERVICE
 - ⊠ TELEPHONE JUNCTION BOX
 - ⊙ WATER METER
 - ⊠ CABLE TV BOX
 - ⊕ UTILITY POLE

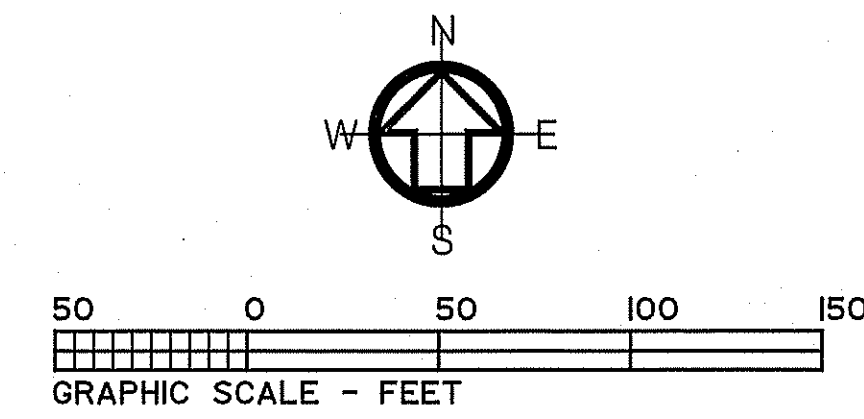
STANDARD ABBREVIATIONS:

- A/C - AIR CONDITIONER PAD
- ACSM - AMERICAN CONGRESS ON SURVEYING AND MAPPING
- ALTA - AMERICAN LAND TITLE ASSOCIATION
- ADVANCE - ADVANCE
- B.F.E. - BASE FLOOD ELEVATION
- B.C.R. - BROWARD COUNTY RECORDS
- B.M. - BENCHMARK
- BOC - BACK OF CURB
- CB - CALCULATED
- CC - CATCH BASIN
- CL - CHAIN LINK FENCE
- CONC. - CONCRETE
- C.B.S. - CONCRETE BLOCK STRUCTURE
- D - DELTA ANGLE
- D.C.R. - DADE COUNTY RECORDS
- DDOV - DOUBLE DETECTOR CHECK VALVE
- D.E. - DRAINAGE EASEMENT
- E.O.W. - EDGE OF WATER
- E - EAST
- ELEVATION - ELEVATION
- F.F. - FINISHED FLOOR
- F.P.L. - FLORIDA POWER & LIGHT CO.
- FOUND - FOUND
- G.F. - GARAGE FLOOR
- INV. - INVERT
- IR - IRON PIPE
- IR - IRON ROD
- IR - IRON ROD & CAP
- IR - ARC LENGTH
- LME - LAKE MAINTENANCE EASEMENT
- LB - LICENSED BUSINESS
- (LD) - LEGAL DESCRIPTION
- (M) - MEASURED
- M.H. - MANHOLE
- MISC. - MISCELLANEOUS
- N/D - NAIL AND DISK
- N/T - NAIL AND TAB
- NGVD - NATIONAL GEODETIC VERTICAL DATUM
- NSPS - NATIONAL SOCIETY OF PROFESSIONAL SURVEYORS
- N/A - NON-APPLICABLE
- NAV - NORTH AMERICAN VERTICAL DATUM
- N - NORTH
- N.T.S. - NOT TO SCALE
- NUM - NUMBER
- OS - OFFSET
- OH - OVERHEAD WIRES
- O.R.B. - OFFICIAL RECORD BOOK
- P.B.C.R. - PALM BEACH COUNTY RECORDS
- PG - PAGE
- P.C.P. - PERMANENT CONTROL POINT
- P.R.M. - PERMANENT REFERENCE MONUMENT
- N - NORTH
- PLAT - PLAT
- P.O.B. - POINT OF BEGINNING
- P.O.C. - POINT OF COMMENCEMENT
- P.C.C. - POINT OF COMPOUND CURVE
- P.C. - POINT OF CURVATURE
- PRC - POINT REVERSE CURVE
- PT - POINT OF TANGENCY
- PROF. - PROFESSIONAL SURVEYOR AND MAPPER
- PROP. - PROPOSED
- RADIUS - RADIUS
- R.O.W. - RIGHT OF WAY
- SEC. - SECTION
- SQ.F. - SQUARE FEET
- S.P. - STATE PLANE
- SR - STATE ROAD
- S/W - SIDEWALK
- T.O.B. - TOP OF BANK
- T.O.P. - TOP OF PIPE
- TYP. - TYPICAL
- U.E. - UTILITY EASEMENT
- U.P. - UTILITY POLE
- W - WEST



LEGAL DESCRIPTION:

TRACT 66 AND THE NORTH 210.81 FEET OF TRACT 81, MODEL LAND CO. SUBDIVISION OF SECTION 20, TOWNSHIP 44 SOUTH, RANGE 43 EAST, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, PAGE 79, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.



NOTES:

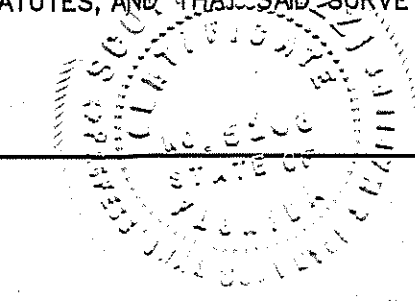
- REPRODUCTIONS OF THIS SURVEY ARE NOT VALID UNLESS SEALED BY THE SIGNING SURVEYOR.
- THIS DRAWING IS THE PROPERTY OF VIC-SCOTT LAND SURVEYING & MAPPING, AND SHALL NOT BE USED OR REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF VIC-SCOTT LAND SURVEYING & MAPPING.
- THE UNDERSIGNED HAS REVIEWED CHICAGO TITLE INSURANCE COMPANY COMMITMENT NUMBER 20-018 FOR RIGHTS-OF-WAY, EASEMENTS, AND OTHER SIMILAR MATTERS OF RECORD.
- LEGAL DESCRIPTION FURNISHED BY CLIENT.
- THIS SURVEY DOES NOT PURPORT TO IDENTIFY IMPROVEMENTS BELOW GRADE, IF ANY, EXCEPT AS SPECIFICALLY NOTED HEREON.
- BUILDING TIES ARE PERPENDICULAR OR RADIAL TO BOUNDARY LINES UNLESS NOTED OTHERWISE.
- BEARINGS SHOWN HEREON ARE BASED ON STATE PLANE COORDINATE GRID ALONG THE NORTH LINE OF TRACT 66, OF THE PLAT ENTITLED MODEL LAND CO. SUBDIVISION, AS RECORDED IN PLAT BOOK 5, PAGE 79, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, BEARING S88°07'43"E.
- ELEVATIONS SHOWN HEREON ARE RELATIVE TO N.A.V.D. 1988.
- FLOOD ELEVATION INFORMATION:

COMMUNITY NO. - 120213	PANEL NO. - 12099C0777
DATE OF FIRM - 10-05-17	SUFFIX - F
FIRM ZONE - AE / X	BASE FLOOD ELEVATION - 11' / NON-APPLICABLE
- PROPERTY ADDRESS: 2209 7th AVENUE NORTH, LAKE WORTH, FLORIDA 33461
- CONTAINING 427,562 SQUARE FEET, 9.82 ACRES MORE OR LESS.
- TREE TYPE IDENTIFICATION SHOULD BE VERIFIED BY A LANDSCAPE ARCHITECT, BOTANIST, OR OTHER QUALIFIED PROFESSIONAL.
- CERTIFIED TO: Saul Ewing Arnstein & Lehr LLP, DOKA USA, Ltd. A N.J. corporation, Wilits & Associates, P.A., Chicago Title Insurance Company

BOUNDARY SURVEY
SCALE: 1"=50'

SURVEYOR'S CERTIFICATION:
I HEREBY CERTIFY THAT THE SURVEY SHOWN HEREON COMPLIES WITH THE STANDARDS OF PRACTICE FOR SURVEYS AS CONTAINED IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND THAT SAID SURVEY IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SCOTT A. GUZZI, PSM
PROFESSIONAL SURVEYOR AND MAPPER
FLORIDA REGISTRATION NUMBER 5108



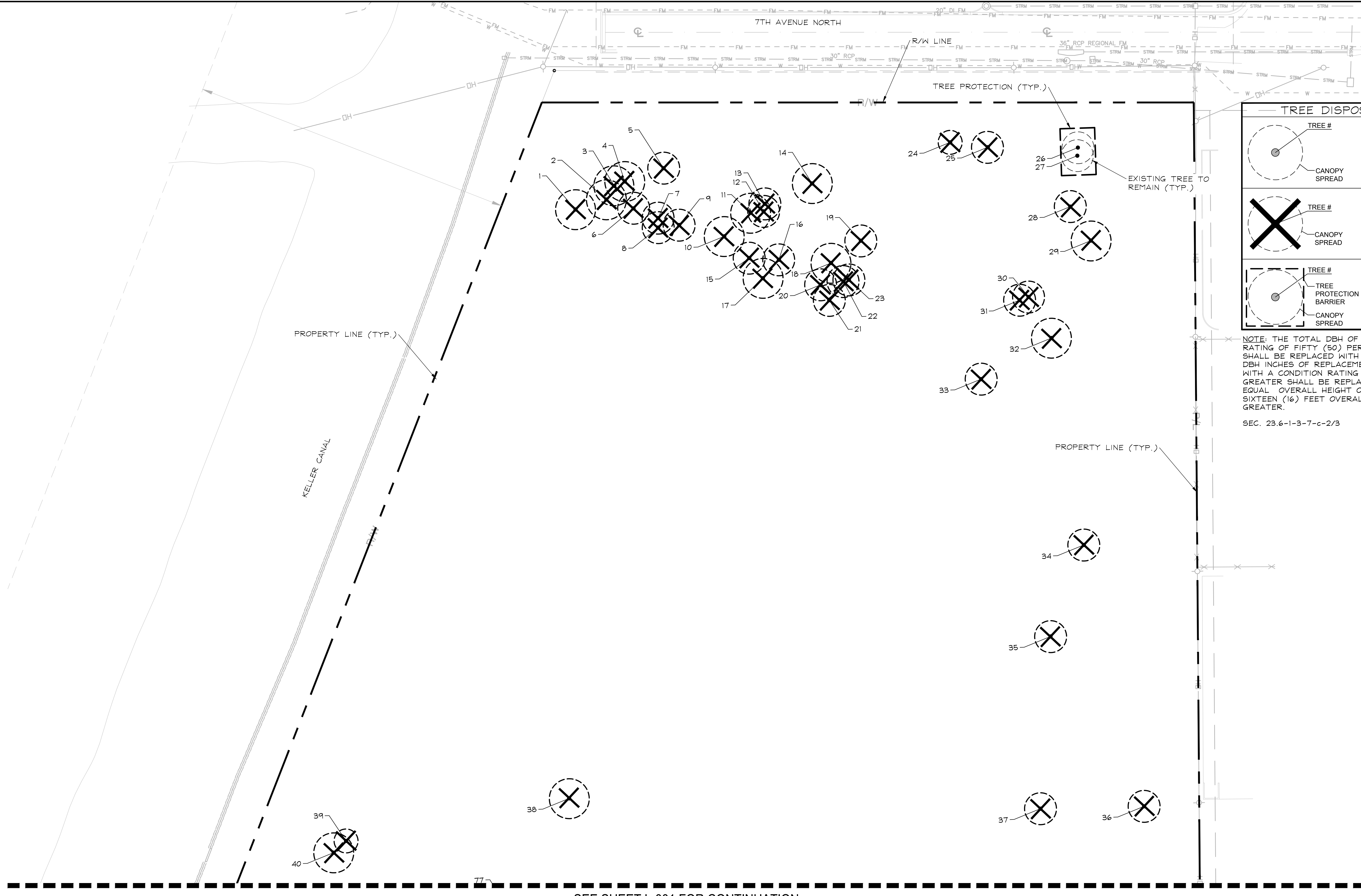
DATE	BY	CHECKED
2-25-20	SAG	
7-8-19	SAG	
5-14-19	SAG	
FB/PC	DATE	BY
UPDATE	2-25-20	SAG
TREE SURVEY	7-8-19	SAG
REVIEW TITLE POLICY	5-14-19	SAG
ADDENDUM		

VIC-SCOTT LAND SURVEYING & MAPPING
IT'S GOOD!
Certificate of Authorization No. LB 6893
6043 Kinshard Boulevard, Suite L
North Lauderdale, FL 33068
Ph: (954) 722-8500
scottguzzi@aol.com

CLIENT: MIKE SAVINO	DESIGNED BY:	CHECKED BY:	PAGE NO. 26
SCALE: 1"=50'	DRAWN BY:	FIELD BOOK NO. 158	
DATE: 3-6-19	SRVSD BY:		

PROJECT NO.
2294
SHEET NO.
1 OF 1

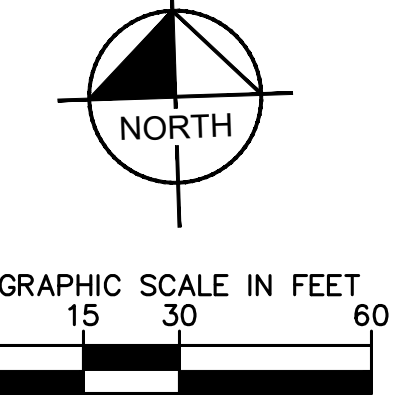
Plotted By: hicks, jr., Darryl - Sheet Set: DOKA LAKE WORTH BEACH - L-000 TREE DISPOSITION PLAN - November 12, 2020 - 04:18:17pm - k:\v\l\Civil\143 jobs\143189000-DOKA Lake Worth Beach\CAD\Drawings\L-000 TREE DISPOSITION.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



TREE DISPOSITION LEGEND	
	EXISTING TREE TO REMAIN
	EXISTING TREE TO BE REMOVED
	EXISTING TREE TO BE PROTECTED PER DETAIL A/L1.01

NOTE: THE TOTAL DBH OF ALL TREES WITH CONDITION RATING OF FIFTY (50) PERCENT OR GREATER REMOVED SHALL BE REPLACED WITH THE EQUIVALENT NUMBER OF DBH INCHES OF REPLACEMENT TREES. REMOVED PALM WITH A CONDITION RATING OF FIFTY (50) PERCENT OR GREATER SHALL BE REPLACED WITH ONE (1) PALM OF EQUAL OVERALL HEIGHT OR A REPLACEMENT PALM OF SIXTEEN (16) FEET OVERALL HEIGHT, WHICHEVER IS GREATER.
 SEC. 23.6-1-3-7-c-2/3

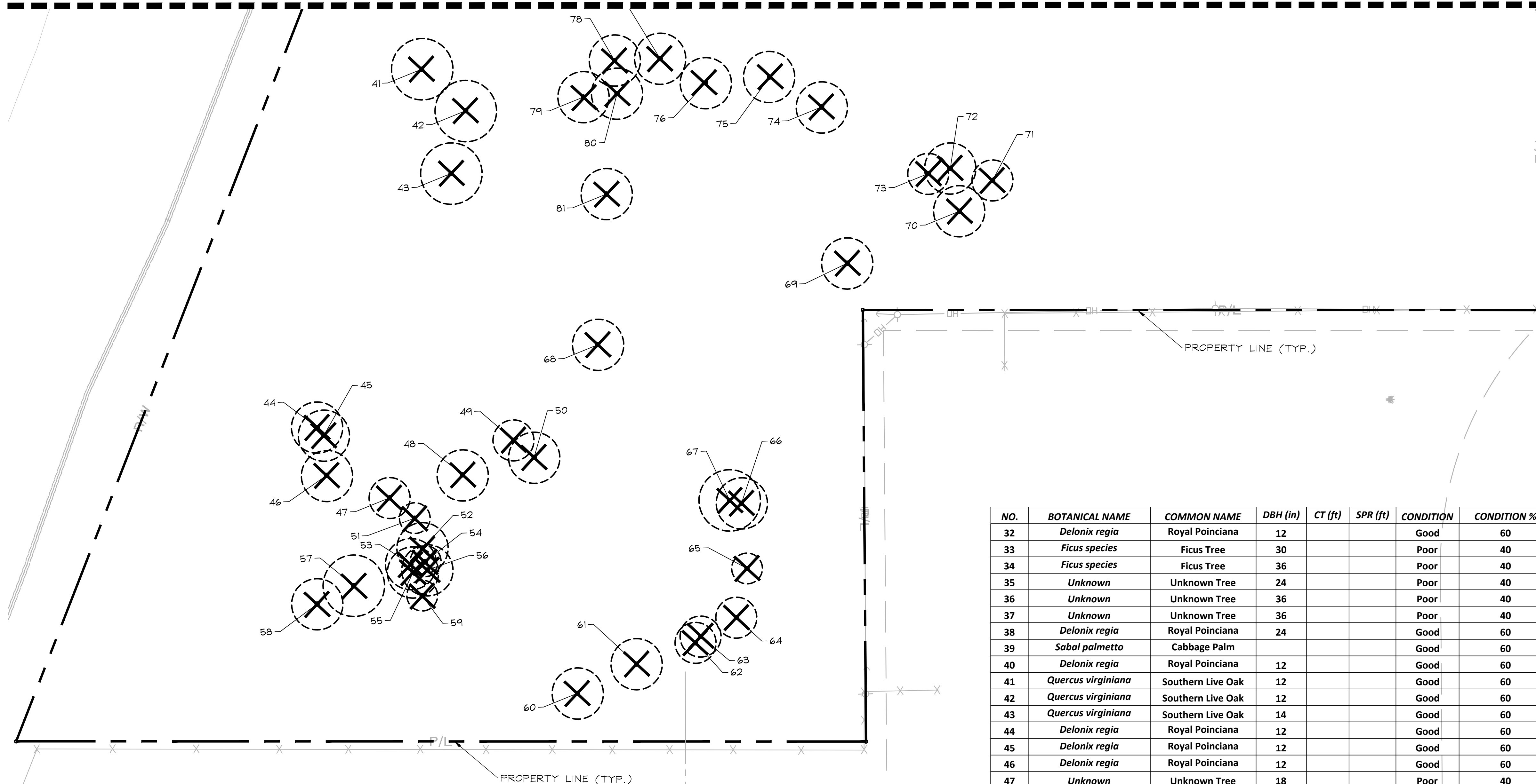
SEE SHEET L-001 FOR CONTINUATION



Always call 811 two full business days before you dig

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD. LAKE WORTH BEACH FLORIDA	KHA PROJECT 143189000 DATE SEP. 2020 SCALE AS SHOWN DESIGNED BY GB DRAWN BY MB CHECKED BY GB	JONATHAN D. HAIGH, PLA FLORIDA LICENSE NUMBER LA 6666795	Kimley»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 600 NORTH PINE ISLAND ROAD, SUITE 450, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM CA 00000696	SHEET NUMBER L-000	REVISIONS No.	BY DATE
				TREE DISPOSITION PLAN	DATE: 11/12/2020	

SEE SHEET L-000 FOR CONTINUATION



EXISTING TREES REMOVED

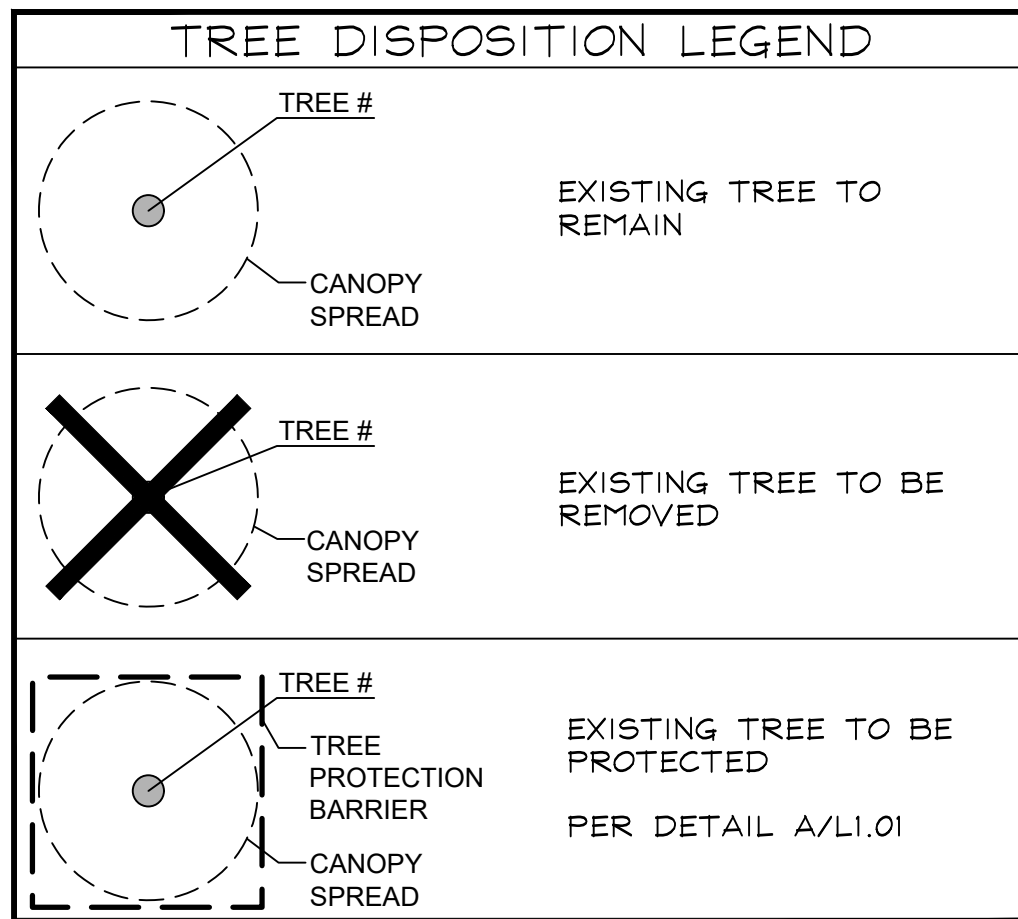
EXISTING TREE	DBH REMOVED
ROYAL POINCIANA	296"
FICUS TREE	376"
UNKNOWN TREE	63"
SOUTHERN LIVE OAK	38"
TROPICAL ALMOND	110"
MANGO TREE	24"
(6) CABBAGE PALM	
TOTAL	907"

TREE MITIGATION CALCULATIONS

TREES PROVIDED	DBH PROVIDED
(71) BALD CYPRESS @ 6" DBH	426"
(17) LAUREL OAK @ 4" DBH	68"
(13) LIVE OAK @ 6" DBH	78"
(11) GREEN BUTTONWOOD @ 4" DBH	44"
(10) VERAWOOD @ 2" DBH	20"
(49) WAX MYRTLE @ 3" DBH	196"
(11) PIGEON PLUM @ 2" DBH	22"
(27) SILVER BUTTONWOOD @ 2" DBH	54"
(12) CABBAGE PALM	
TOTAL	908"

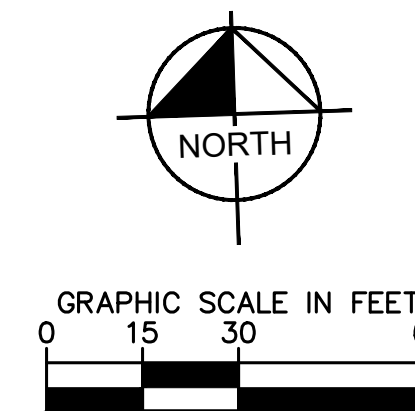
NO.	BOTANICAL NAME	COMMON NAME	DBH (in)	CT (ft)	SPR (ft)	CONDITION	CONDITION %	DISPOSITION
32	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
33	<i>Ficus species</i>	Ficus Tree	30			Poor	40	REMOVE
34	<i>Ficus species</i>	Ficus Tree	36			Poor	40	REMOVE
35	Unknown	Unknown Tree	24			Poor	40	REMOVE
36	Unknown	Unknown Tree	36			Poor	40	REMOVE
37	Unknown	Unknown Tree	36			Poor	40	REMOVE
38	<i>Delonix regia</i>	Royal Poinciana	24			Good	60	REMOVE
39	<i>Sabal palmetto</i>	Cabbage Palm				Good	60	REMOVE
40	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
41	<i>Quercus virginiana</i>	Southern Live Oak	12			Good	60	REMOVE
42	<i>Quercus virginiana</i>	Southern Live Oak	12			Good	60	REMOVE
43	<i>Quercus virginiana</i>	Southern Live Oak	14			Good	60	REMOVE
44	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
45	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
46	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
47	Unknown	Unknown Tree	18			Poor	40	REMOVE
48	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
49	Unknown	Unknown Tree	15			Good	60	REMOVE
50	<i>Terminalia catappa</i>	Tropical Almond	14			Good	60	REMOVE
51	<i>Sabal palmetto</i>	Cabbage Palm				Good	60	REMOVE
52	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
53	<i>Terminalia catappa</i>	Tropical Almond	12			Good	60	REMOVE
54	<i>Sabal palmetto</i>	Cabbage Palm				Good	60	REMOVE
55	<i>Terminalia catappa</i>	Tropical Almond	10			Good	60	REMOVE
56	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
57	<i>Mangifera indica</i>	Mango Tree	14			Good	60	REMOVE
58	<i>Delonix regia</i>	Royal Poinciana	30			Poor	40	REMOVE
59	<i>Sabal palmetto</i>	Cabbage Palm				Good	60	REMOVE
60	<i>Terminalia catappa</i>	Tropical Almond	12			Good	60	REMOVE
61	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
62	Unknown	Unknown Tree	10			Good	60	REMOVE
63	Unknown	Unknown Tree	10			Good	60	REMOVE
64	Unknown	Unknown Tree	12			Good	60	REMOVE
65	<i>Sabal palmetto</i>	Cabbage Palm				Good	60	REMOVE
66	<i>Terminalia catappa</i>	Tropical Almond	10			Good	60	REMOVE
67	<i>Mangifera indica</i>	Mango Tree	10			Good	60	REMOVE
68	<i>Terminalia catappa</i>	Tropical Almond	14			Good	60	REMOVE
69	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
70	<i>Terminalia catappa</i>	Tropical Almond	12			Good	60	REMOVE
71	<i>Ficus species</i>	Ficus Tree	30			Poor	40	REMOVE
72	<i>Delonix regia</i>	Royal Poinciana	20			Poor	40	REMOVE
73	Unknown	Unknown Tree	16			Good	60	REMOVE
74	<i>Terminalia catappa</i>	Tropical Almond	12			Good	60	REMOVE
75	<i>Terminalia catappa</i>	Tropical Almond	14			Good	60	REMOVE
76	<i>Delonix regia</i>	Royal Poinciana	24			Poor	40	REMOVE
77	<i>Delonix regia</i>	Royal Poinciana	10			Good	60	REMOVE
78	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
79	<i>Delonix regia</i>	Royal Poinciana	10			Good	60	REMOVE
80	<i>Delonix regia</i>	Royal Poinciana	24			Poor	40	REMOVE
81	<i>Delonix regia</i>	Royal Poinciana	24			Poor	40	REMOVE

NO.	BOTANICAL NAME	COMMON NAME	DBH (in)	CT (ft)	SPR (ft)	CONDITION	CONDITION %	DISPOSITION
1	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
2	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
3	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
4	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
5	<i>Ficus species</i>	Ficus Tree	12			Good	60	REMOVE
6	<i>Ficus species</i>	Ficus Tree	30			Good	60	REMOVE
7	<i>Ficus species</i>	Ficus Tree	30			Good	60	REMOVE
8	<i>Ficus species</i>	Ficus Tree	30			Good	60	REMOVE
9	<i>Ficus species</i>	Ficus Tree	30			Good	60	REMOVE
10	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
11	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
12	<i>Ficus species</i>	Ficus Tree	24			Poor	40	REMOVE
13	<i>Ficus species</i>	Ficus Tree	24			Poor	40	REMOVE
14	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
15	<i>Ficus species</i>	Ficus Tree	30			Poor	40	REMOVE
16	<i>Ficus species</i>	Ficus Tree	12			Good	60	REMOVE
17	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
18	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
19	<i>Ficus species</i>	Ficus Tree	60			Good	60	REMOVE
20	<i>Ficus species</i>	Ficus Tree	24			Good	60	REMOVE
21	<i>Ficus species</i>	Ficus Tree	12			Good	60	REMOVE
22	<i>Ficus species</i>	Ficus Tree	24			Poor	40	REMOVE
23	<i>Ficus species</i>	Ficus Tree	24			Poor	40	REMOVE
24	<i>Sabal palmetto</i>	Cabbage Palm				Good	60	REMOVE
25	<i>Ficus species</i>	Ficus Tree	24			Poor	40	REMOVE
26	<i>Ficus species</i>	Ficus Tree	24			Good	60	REMAIN
27	<i>Ficus species</i>	Ficus Tree	30			Good	60	REMAIN
28	<i>Ficus species</i>	Ficus Tree	40			Good	60	REMOVE
29	<i>Delonix regia</i>	Royal Poinciana	12			Good	60	REMOVE
30	<i>Ficus species</i>	Ficus Tree	18			Good	60	REMOVE
31	<i>Ficus species</i>	Ficus Tree	30			Good	60	REMOVE



NOTE: THE TOTAL DBH OF ALL TREES WITH CONDITION RATING OF FIFTY (50) PERCENT OR GREATER REMOVED SHALL BE REPLACED WITH THE EQUIVALENT NUMBER OF DBH INCHES OF REPLACEMENT TREES. REMOVED PALM WITH A CONDITION RATING OF FIFTY (50) PERCENT OR GREATER SHALL BE REPLACED WITH ONE (1) PALM OF EQUAL OVERALL HEIGHT OR A REPLACEMENT PALM OF SIXTEEN (16) FEET OVERALL HEIGHT, WHICHEVER IS GREATER.

SEC. 23.6-1-3-7-c-2/3



Always call 811 two full business days before you dig



Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 600 NORTH PINE ISLAND ROAD, SUITE 450, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

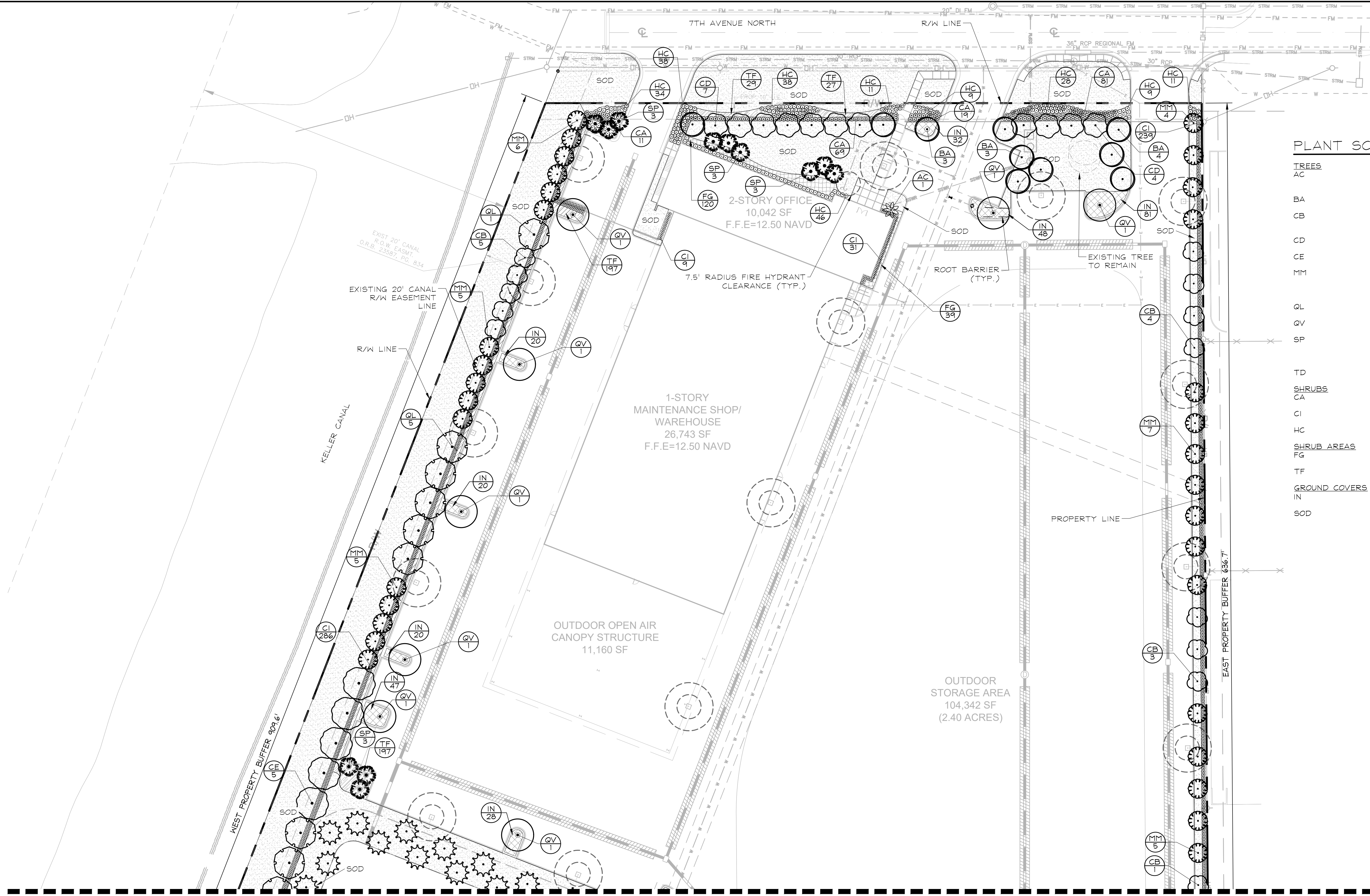
KHA PROJECT 143189000
 DATE SEP. 2020
 SCALE AS SHOWN
 DESIGNED BY GB
 DRAWN BY MB
 CHECKED BY GB
 JONATHAN D. HAIGH, PLA
 FLORIDA LICENSE NUMBER LA 6666795
 DATE: 11/12/2020

TREE DISPOSITION PLAN

OFFICE/INDUSTRIAL FACILITY
 PREPARED FOR UMDASCH REAL ESTATE USA
 LAKELAND, FLORIDA
 SHEET NUMBER L-001

NO.	REVISIONS	DATE

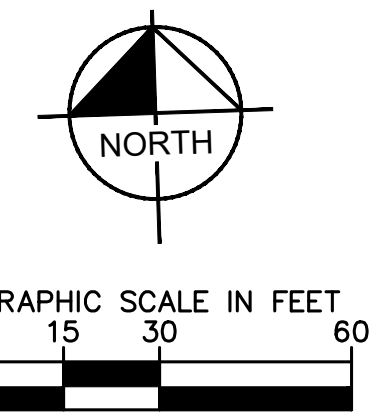
Plotted By: hicks, jr., Darryl - Sheet Set: DOKA LAKE WORTH BEACH - L-100 LANDSCAPE PLAN - November 12, 2020 - 04:18:27pm - K:\FLA\Civil\43 Jobs\43189000-DOKA Lake Worth Beach\CADD\PlanSheets\L-100 LANDSCAPE PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



SEE SHEET L-101 FOR CONTINUATION

PLANT SCHEDULE

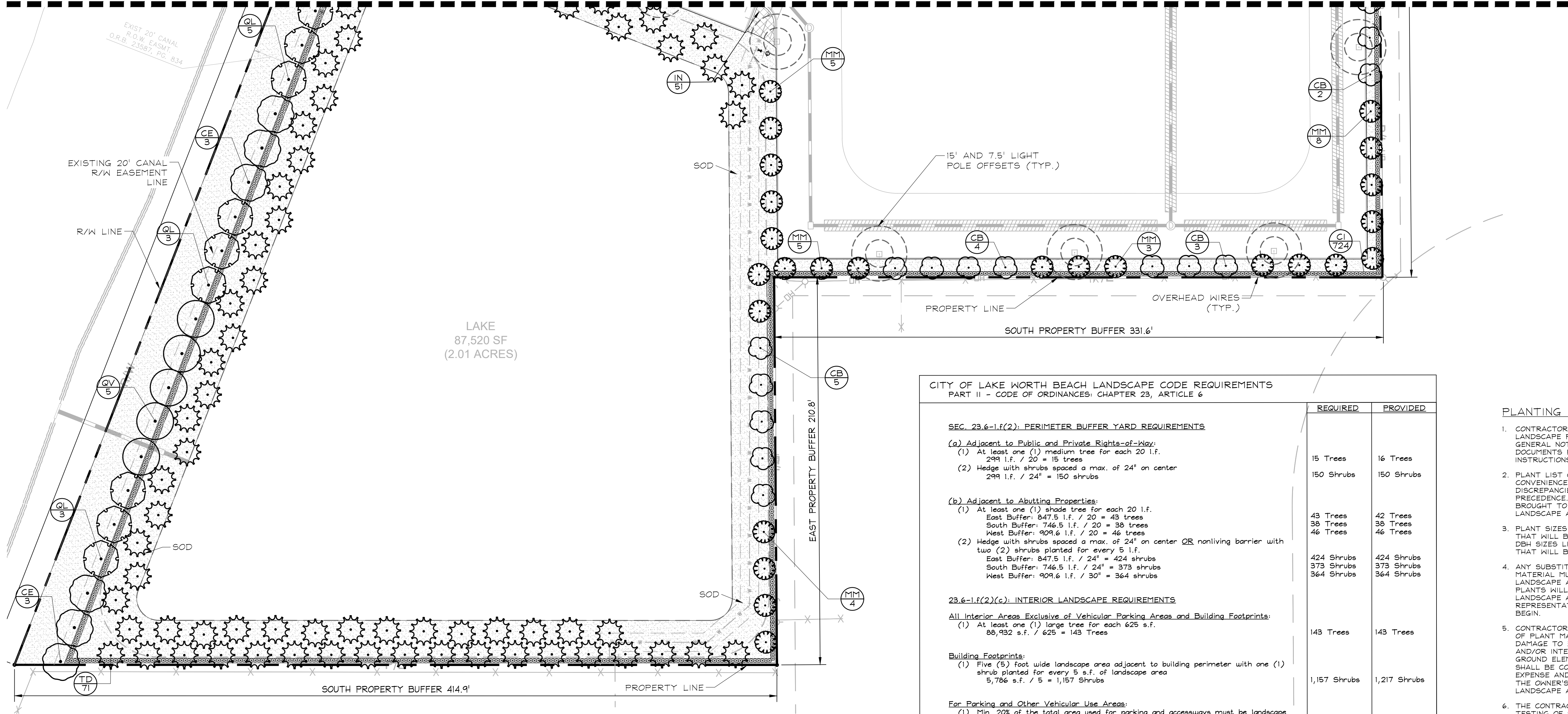
TREES	COMMON NAME
AC	Christmas Palm Double Trunk
BA	Verawood
CB	Silver Buttonwood Standard, Single Leader
CD	Pigeon Plum
CE	Green Buttonwood
MM	Wax Myrtle Multi-Trunk, 5 Stems Min. - 3" DBHl. Total
QL	Laurel Oak
QV	Southern Live Oak
SP	Sabal Palm Slick Trunk, Stagger Heights in Groupings
TD	Bald Cypress
SHRUBS	COMMON NAME
CA	Clusia
CI	Red Tip Cocoplum
HC	Compact Firebush
SHRUB AREAS	COMMON NAME
FG	Green Island Ficus
TF	Dwarf Fakahatchee Grass
GROUND COVERS	COMMON NAME
IN	Dwarf Yaupon Holly
SOD	St. Augustine Pro-Vista Grass



Always call 811 two full business days before you dig

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD. LAKE WORTH BEACH FLORIDA	LANDSCAPE PLAN	KHA PROJECT 143189000 DATE SEP. 2020 SCALE AS SHOWN DESIGNED BY GB DRAWN BY MB CHECKED BY GB DATE: 11/12/2020
		JONATHAN D. HAIGH, PLA FLORIDA LICENSE NUMBER LA 6666795
© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 600 NORTH PINE ISLAND ROAD, SUITE 450, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM CA 00000696		REVISIONS No. _____ BY _____ DATE _____

SEE SHEET L-100 FOR CONTINUATION



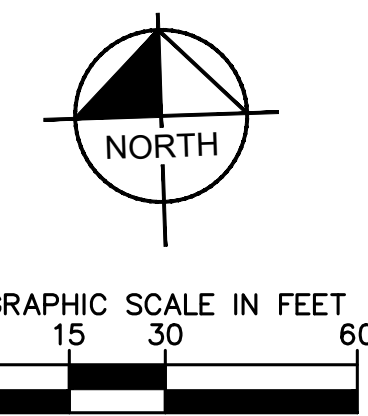
PLANT SCHEDULE

TREES	BOTANICAL NAME	COMMON NAME	CONT.	CAL.	SIZE	NATIVE	DROUGHT TOL.	QTY
AC	Adonidia merrillii Double Trunk	Christmas Palm	Cont.		8' OA	No	Yes	1
BA	Bulnesia arborea	Verawood	B # B	2" DBH	12' HT X 6' SPR	No	Yes	10
CB	Conocarpus erectus 'Sericeus' Standard, Single Leader	Silver Buttonwood	B # B	2" DBH	12' HT X 4' SPR	Yes	Yes	27
CD	Coccoloba diversifolia	Pigeon Plum	B # B	2" DBH	12' HT X 6' SPR	Yes	Yes	11
CE	Conocarpus erectus	Green Buttonwood	B # B	4" DBH	12' HT X 6' SPR	Yes	Yes	11
MM	Myrica cerifera Multi-Trunk, 5 Stems Min. - 3" DBH. Total	Wax Myrtle	B # B	MULTI	12' HT X 4' SPR	Yes	Yes	57
QL	Quercus laurifolia	Laurel Oak	B # B	4" DBH	12' HT X 6' SPR	Yes	Yes	17
QV	Quercus virginiana	Southern Live Oak	B # B	6" DBH	12' HT X 6' SPR	Yes	Yes	13
SP	Sabal palmetto Slick Trunk, Stagger Heights in Groupings	Sabal Palm	B # B		16' - 22' CT	Yes	Yes	12
TD	Taxodium distichum	Bald Cypress	B # B	6" DBH	12' HT X 6' SPR	Yes	Yes	71
SHRUBS	BOTANICAL NAME	COMMON NAME	CONT.	O.C.	SIZE	NATIVE	DROUGHT TOL.	QTY
CA	Clusia rosea	Clusia	Cont.	30" O.C.	24"x24"	Yes	Yes	180
CI	Chrysobalanus icaco 'Red Tip'	Red Tip Cocoplum	Cont.	30" O.C.	24"x24"	Yes	Yes	1,289
HC	Hamelia patens 'Compacta'	Compact Firebush	Cont.	30" O.C.	24"x24"	Yes	Yes	224
SHRUB AREAS	BOTANICAL NAME	COMMON NAME	CONT.	O.C.	SIZE	NATIVE	DROUGHT TOL.	QTY
FG	Ficus microcarpa 'Green Island'	Green Island Ficus	Cont.	24" O.C.	15"x15"	No	Yes	159
TF	Tripsacum floridanum	Dwarf Fakahatchee Grass	Cont.	30" O.C.	15" HT	Yes	Yes	271
GROUND COVERS	BOTANICAL NAME	COMMON NAME	CONT.	O.C.	SIZE	NATIVE	DROUGHT TOL.	QTY
IN	Ilex vomitoria 'Nana'	Dwarf Yaupon Holly	Cont.	24" O.C.	12"x12"	Yes	Yes	347
SOD	Stenotaphrum secundatum 'Pro-Vista'	St. Augustine Pro-Vista Grass	Sod					±73,086 sf

CITY OF LAKE WORTH BEACH LANDSCAPE CODE REQUIREMENTS PART II - CODE OF ORDINANCES, CHAPTER 23, ARTICLE 6		
	REQUIRED	PROVIDED
SEC. 23.6-1.f(2). PERIMETER BUFFER YARD REQUIREMENTS		
(a) Adjacent to Public and Private Rights-of-Way:		
(1) At least one (1) medium tree for each 20 l.f. 299 l.f. / 20 = 15 trees	15 Trees	16 Trees
(2) Hedge with shrubs spaced a max. of 24" on center 299 l.f. / 24" = 150 shrubs	150 Shrubs	150 Shrubs
(b) Adjacent to Abutting Properties:		
(1) At least one (1) shade tree for each 20 l.f. East Buffer: 847.5 l.f. / 20 = 43 trees South Buffer: 746.5 l.f. / 20 = 38 trees West Buffer: 909.6 l.f. / 20 = 46 trees	43 Trees 38 Trees 46 Trees	42 Trees 38 Trees 46 Trees
(2) Hedge with shrubs spaced a max. of 24" on center OR nonliving barrier with two (2) shrubs planted for every 5 l.f. East Buffer: 847.5 l.f. / 24" = 424 shrubs South Buffer: 746.5 l.f. / 24" = 373 shrubs West Buffer: 909.6 l.f. / 30" = 364 shrubs	424 Shrubs 373 Shrubs 364 Shrubs	424 Shrubs 373 Shrubs 364 Shrubs
23.6-1.f(2)(c). INTERIOR LANDSCAPE REQUIREMENTS		
All Interior Areas Exclusive of Vehicular Parking Areas and Building Footprints:		
(1) At least one (1) large tree for each 625 s.f. 88,932 s.f. / 625 = 143 Trees	143 Trees	143 Trees
Building Footprints:		
(1) Five (5) foot wide landscape area adjacent to building perimeter with one (1) shrub planted for every 5 s.f. of landscape area 5,786 s.f. / 5 = 1,157 Shrubs	1,157 Shrubs	1,217 Shrubs
For Parking and Other Vehicular Use Areas:		
(1) Min. 20% of the total area used for parking and accessways must be landscape 21,711 s.f. x 20% = 4,342 s.f. of landscape area	4,342 s.f.	6,864 s.f.
(2) One (1) shade tree for every interior island (1 island / every 10 parking spaces) or 100 s.f. 60 parking spaces / 10 = 6 trees	6 Trees	6 Trees
Florida Friendly Landscaping: A minimum of fifty (50) percent of all required trees must be native and (75) percent of all plants must be native. (1) Trees: 241 Trees Required x 50% = 121 Trees All Plant Material: 2,700 Plant Material x 75% = 2,025 Plant Material		
	121 Trees 2,025 Plants	185 Trees 2,530 Shrubs (93%)

PLANTING NOTES:

- CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND ALL CONTRACT DOCUMENTS FOR FURTHER AND COMPLETE INSTRUCTIONS.
- PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
- PLANT SIZES LISTED ARE THE MINIMUM SIZE THAT WILL BE ACCEPTED FOR THAT PLANT. DBH SIZES LISTED ARE THE MINIMUM SIZE THAT WILL BE ACCEPTED FOR TREES.
- ANY SUBSTITUTION IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND/OR OWNERS REPRESENTATIVE BEFORE PLANTING CAN BEGIN.
- CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR INTERFERE WITH EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS.
- CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN CALENDAR DAYS OF NOTICE TO PROCEED.
- ALL NEW AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.
NOTE: PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, THE APPLICANT SHALL FINE GRADE AND SOD ALL DISTURBED AREAS.

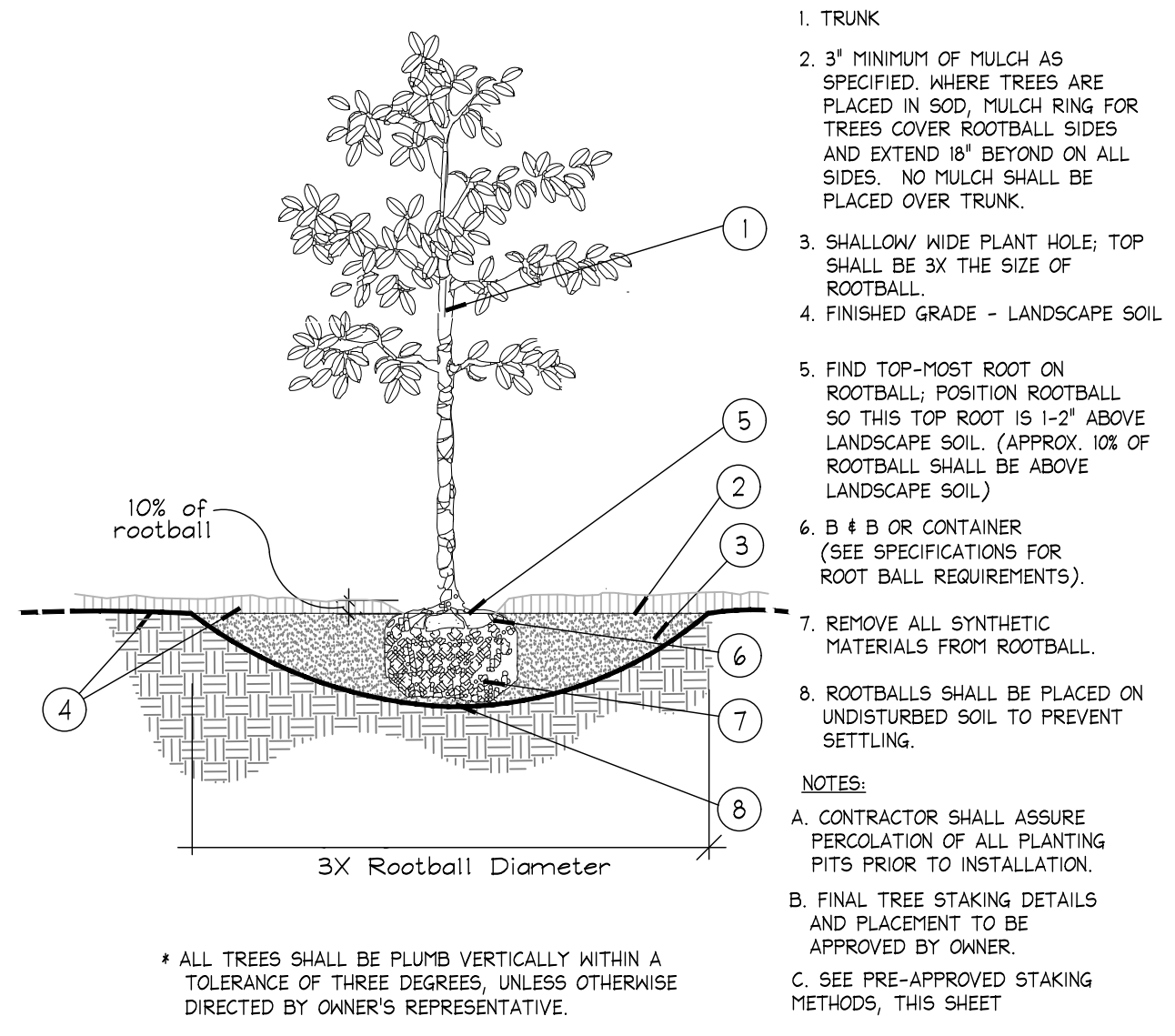


Always call 811 two full business days before you dig
Sunshine811.com

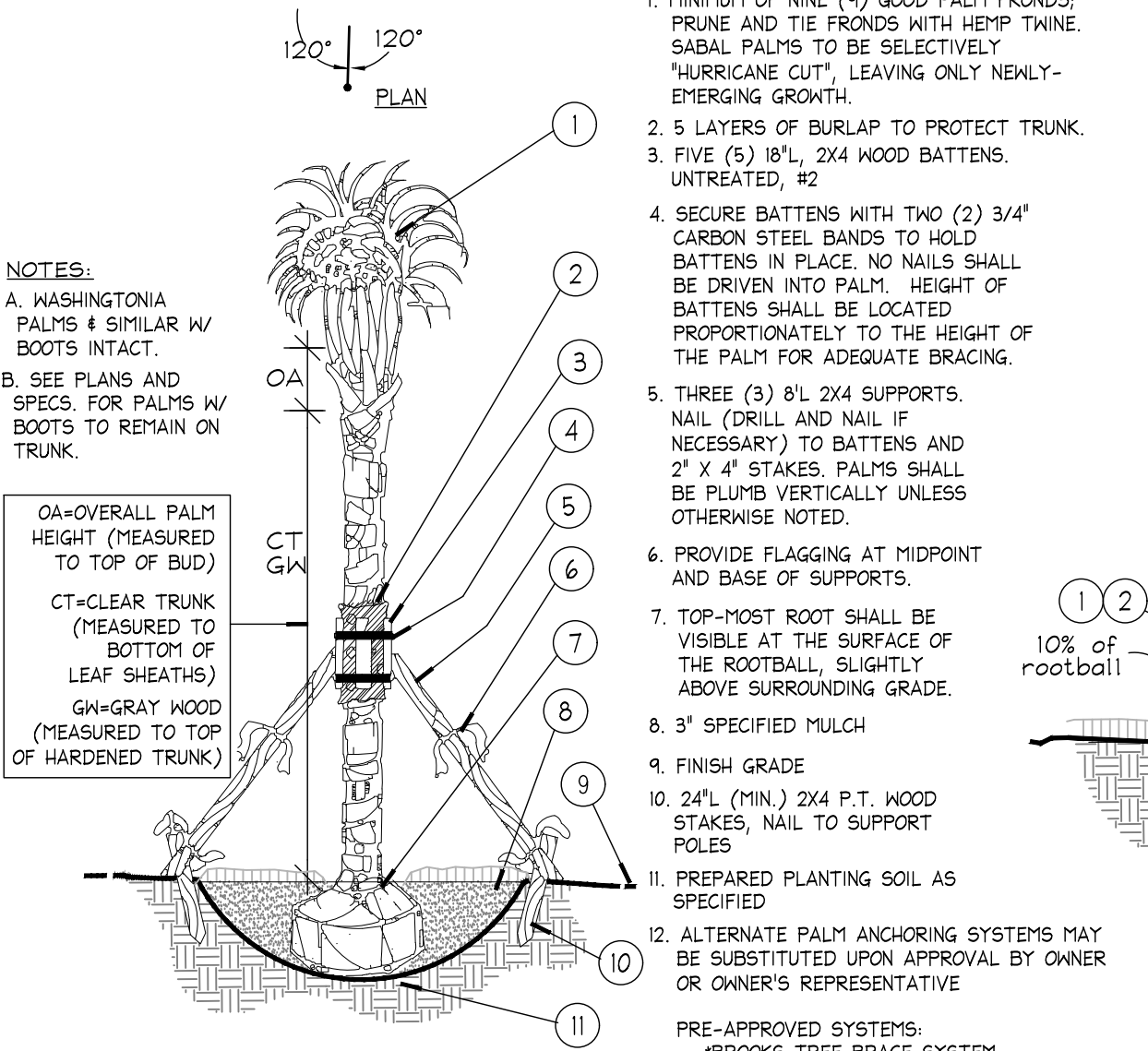
Plotted By: hicks, Jr., Darryl - Sheet Set: DOKA LAKE WORTH BEACH - L-101 LANDSCAPE PLAN - November 12, 2020 04:18:37pm - K:\FTL\GWA\143\189000-DOKA Lake Worth Beach\CADD\Drawings\L-100 LANDSCAPE PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

<p>Kimley»Horn</p> <p>© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 600 NORTH PINE ISLAND ROAD, SUITE 450, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM CA 00000696</p>	JONATHAN D. HAIGH, PLA FLORIDA LICENSE NUMBER LA 6666795	DATE: SEP 2020 SCALE: AS SHOWN DESIGNED BY: GB DRAWN BY: MB CHECKED BY: GB	DATE: 11/12/2020
	<p>LANDSCAPE PLAN</p>		
OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD. LAKE WORTH BEACH FLORIDA	SHEET NUMBER L-101		

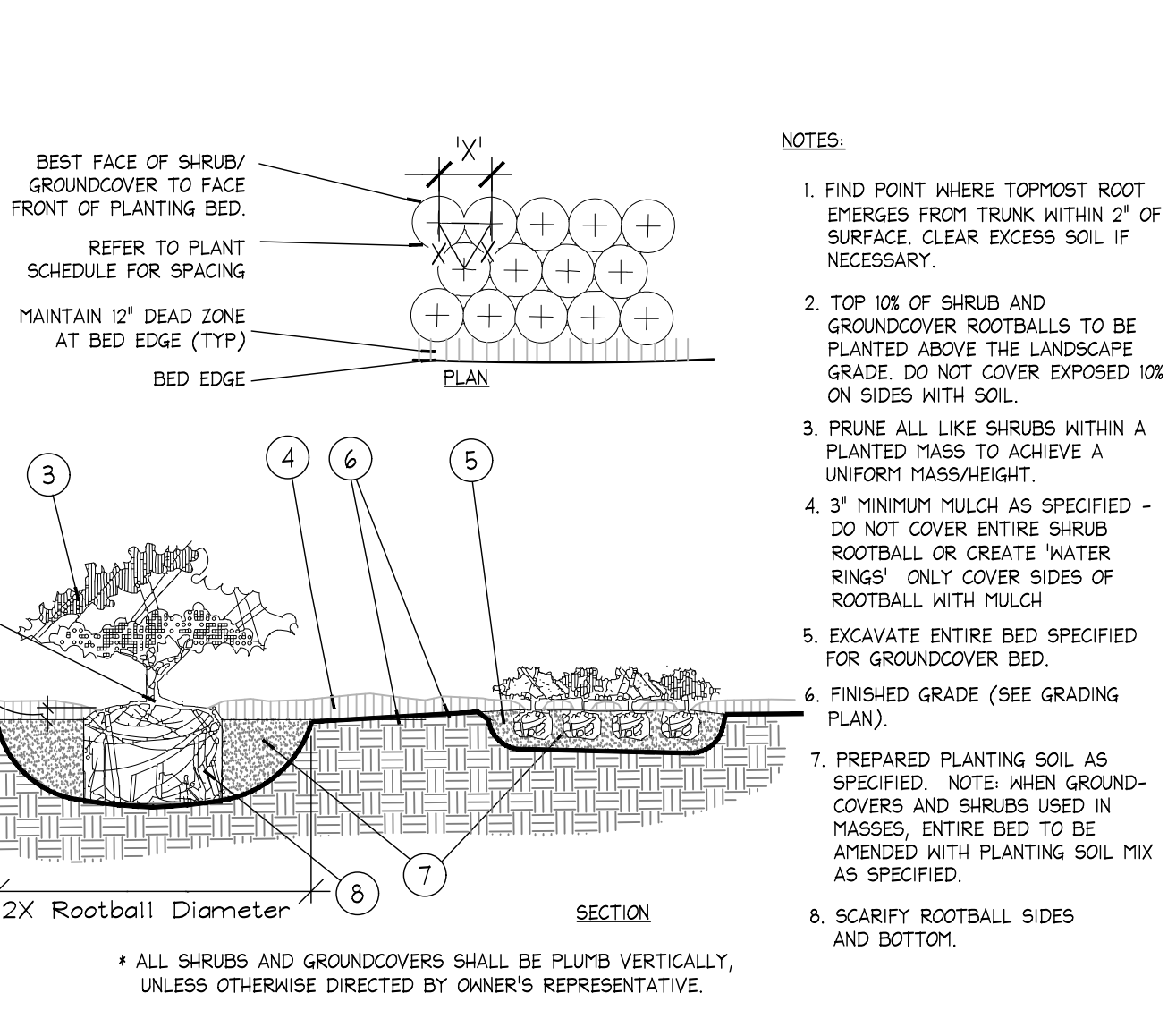
Plotted By: hicks, Jr., Darryl - Sheet Set: DOKA LAKE WORTH BEACH - LAYOUT: 100 LANDSCAPE PLAN - November 12, 2020 - 04:20:12pm - K:\FTL\Civil\4.3 Jobs\143189000-DOKA Lake Worth Beach\CADD\Drawings\150 LANDSCAPE DETAILS.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



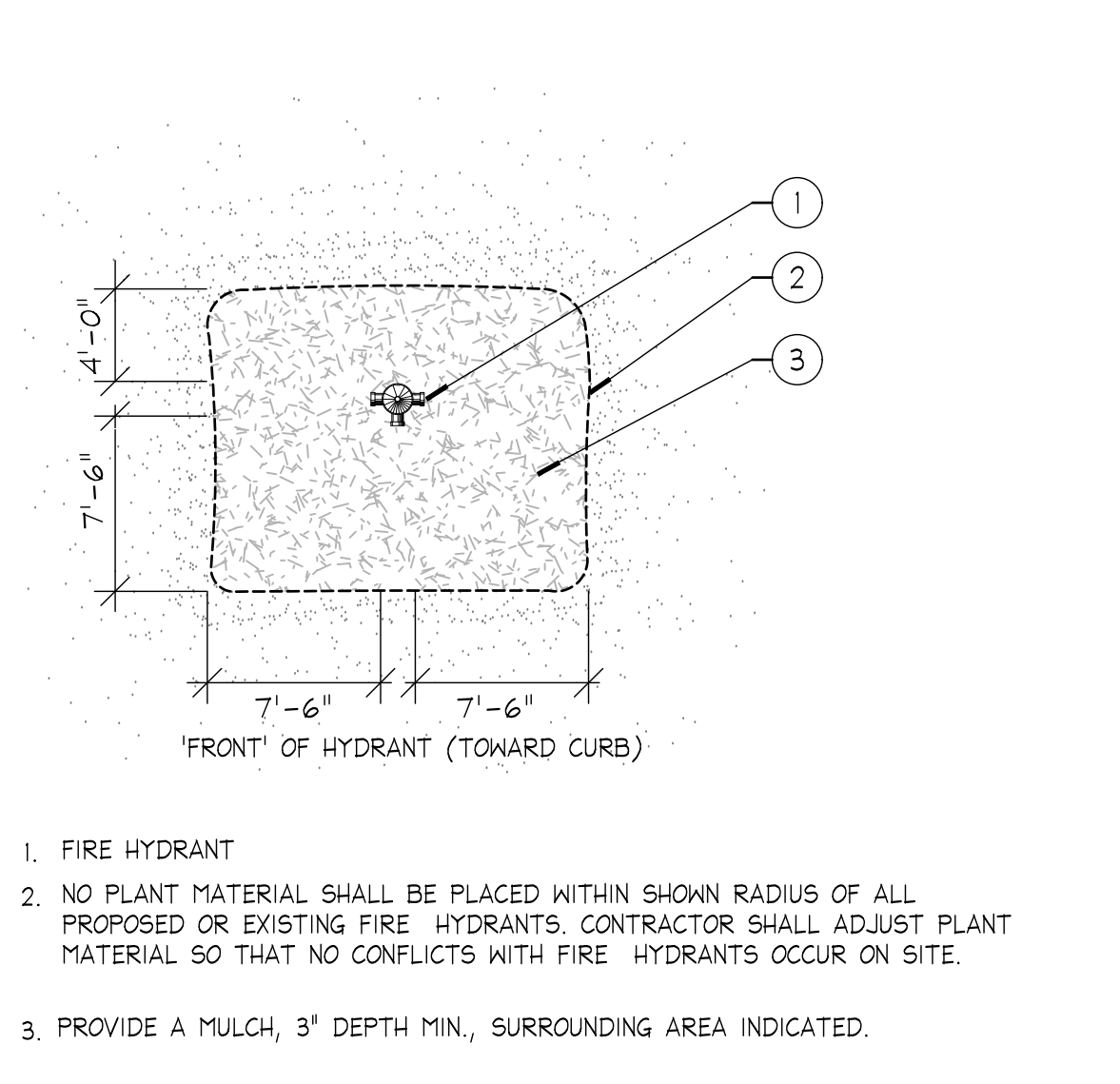
Tree Planting
SECTION NTS



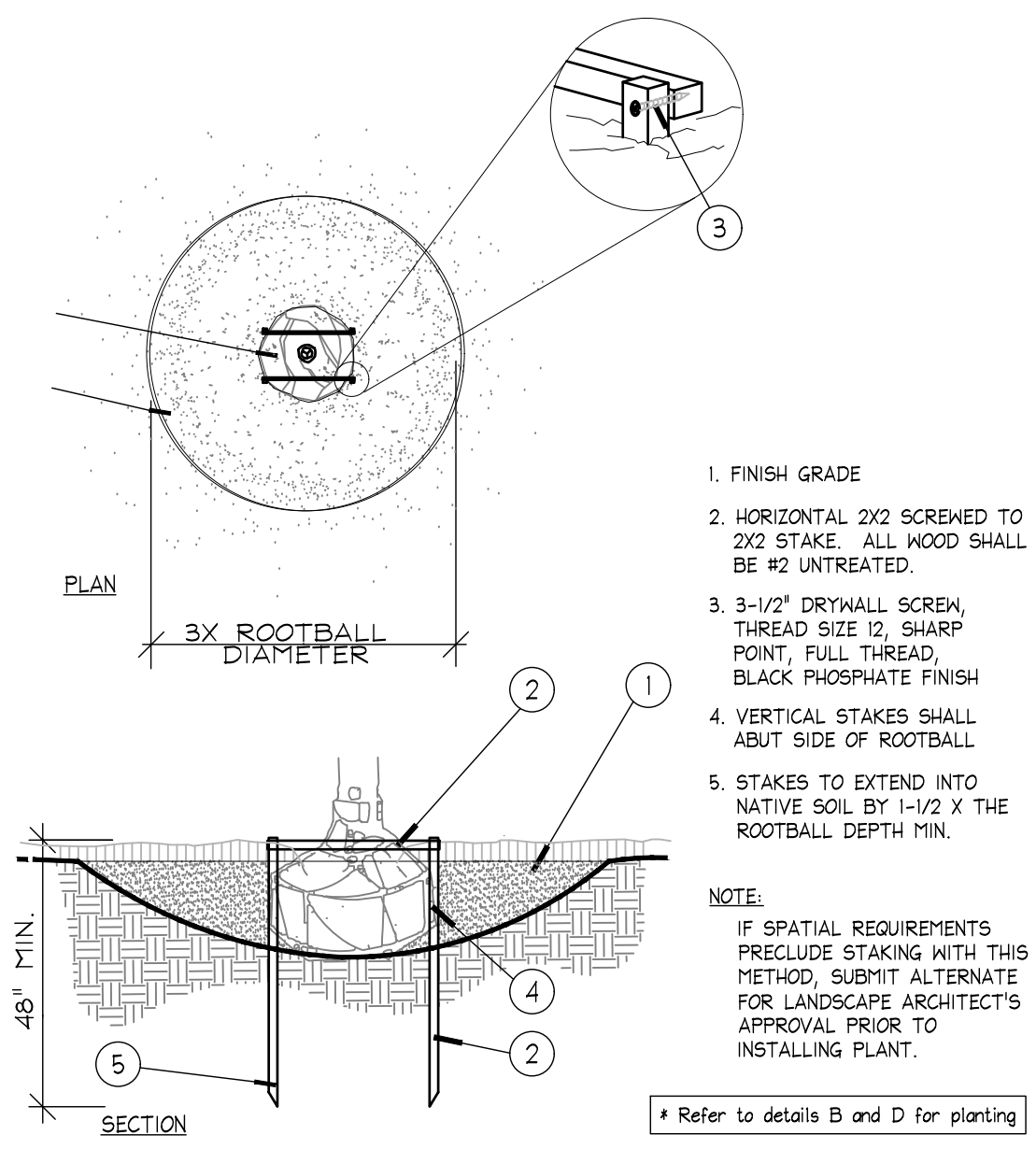
Palm Planting and Staking
SECTION NTS



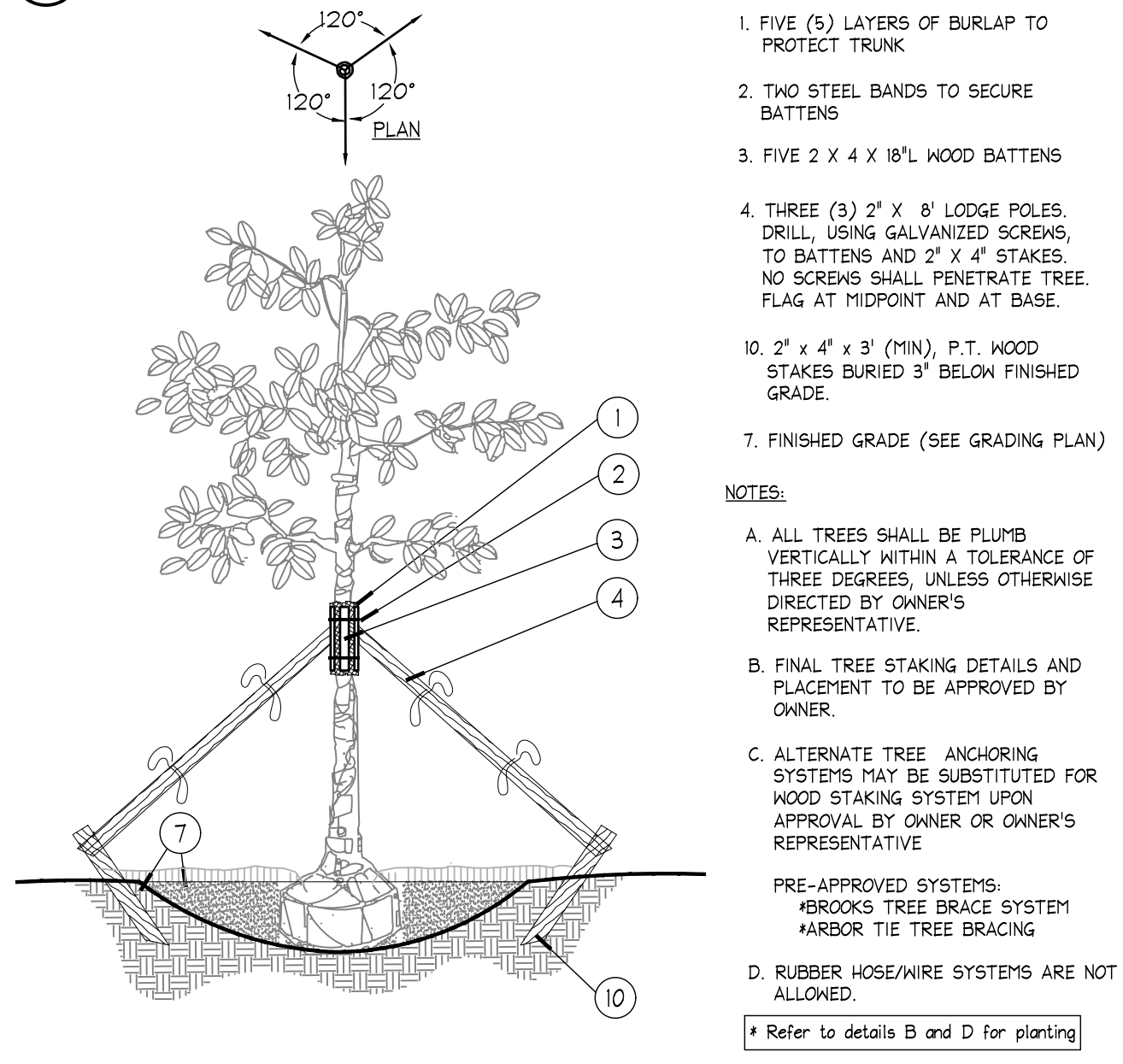
Shrub / Groundcover Planting
PLAN/SECTION NTS



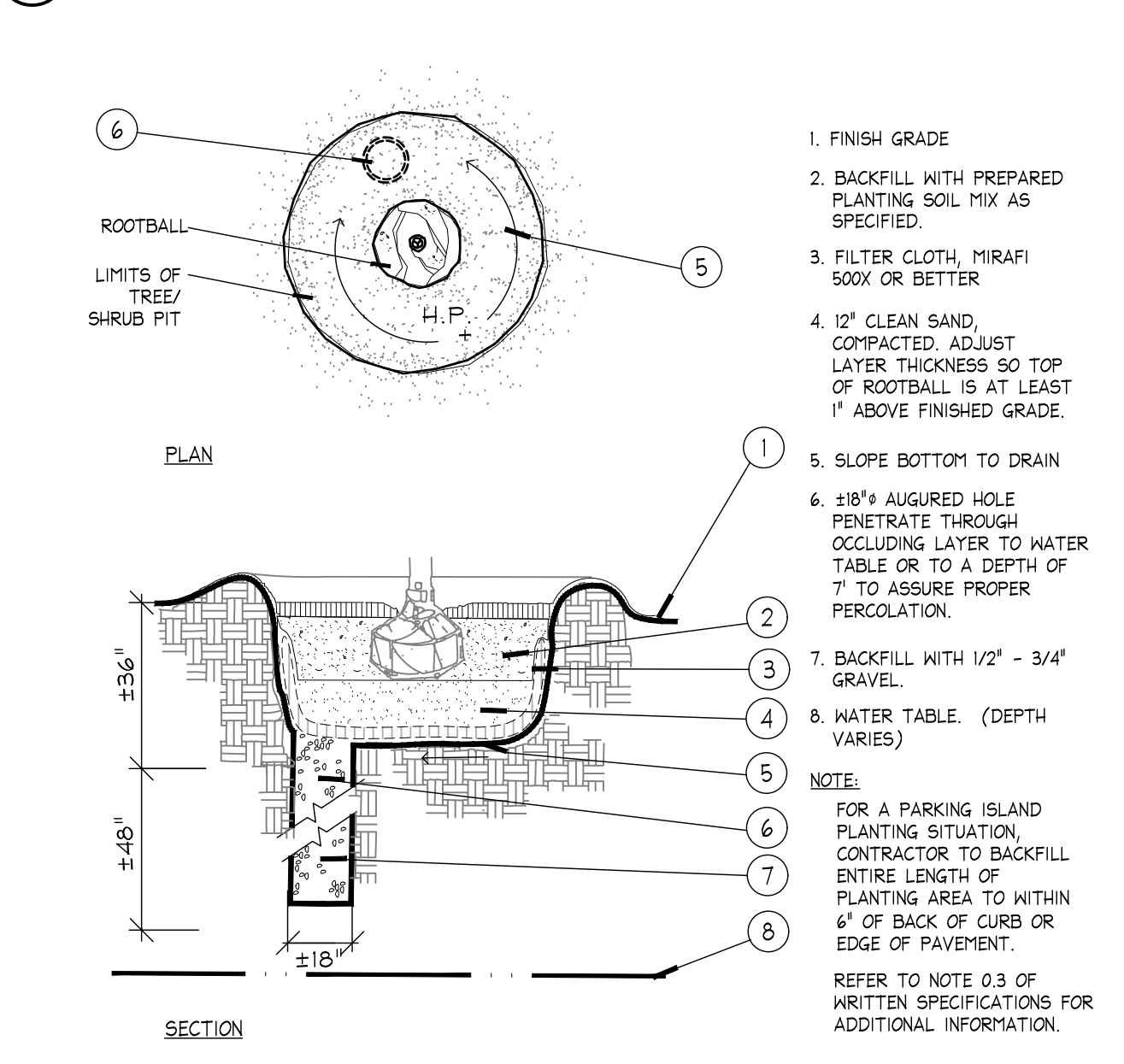
Fire Hydrant Clear Zone
PLAN



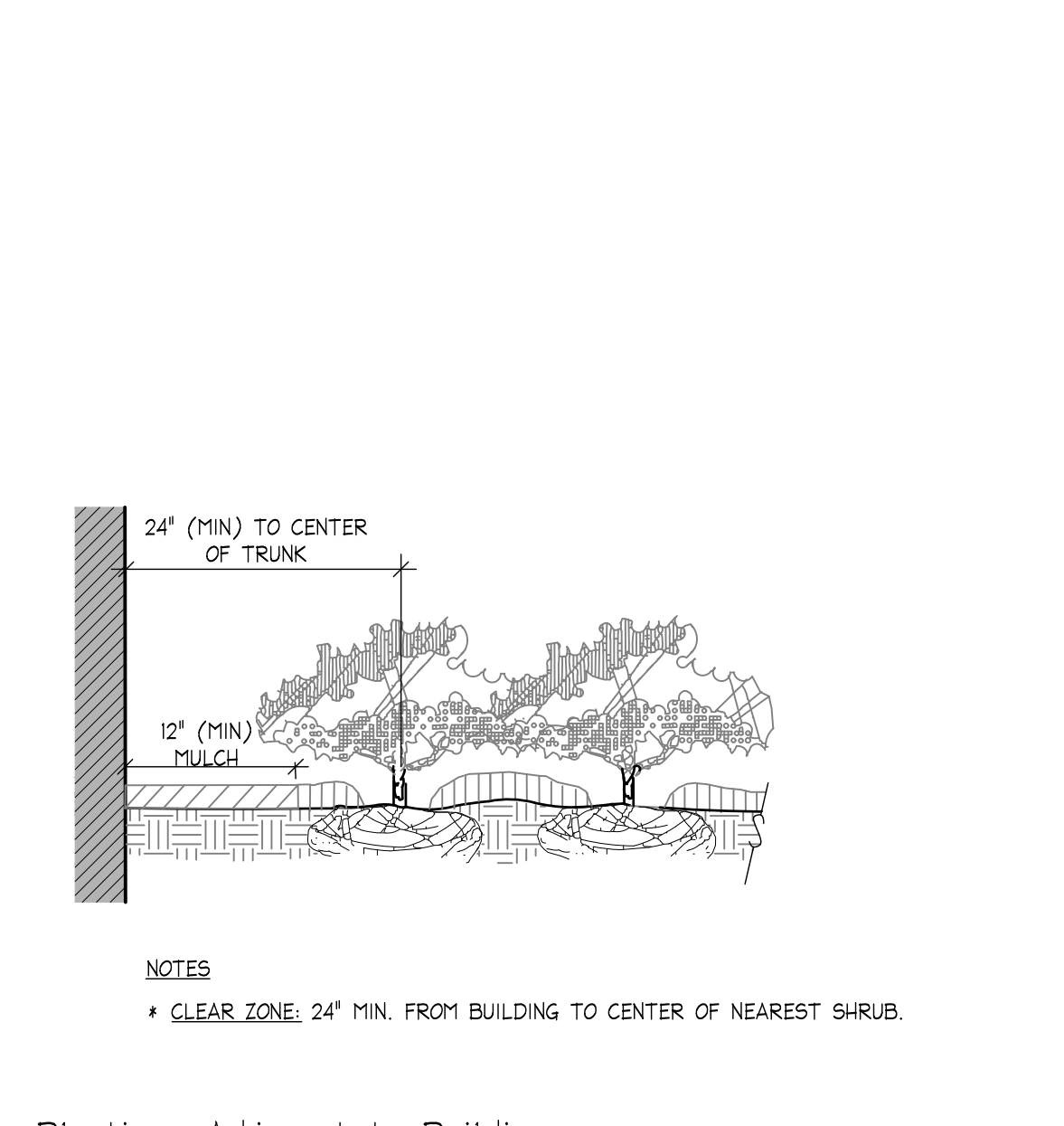
Staking - up to 65 gal. or B#B to 3-1/2\"/>



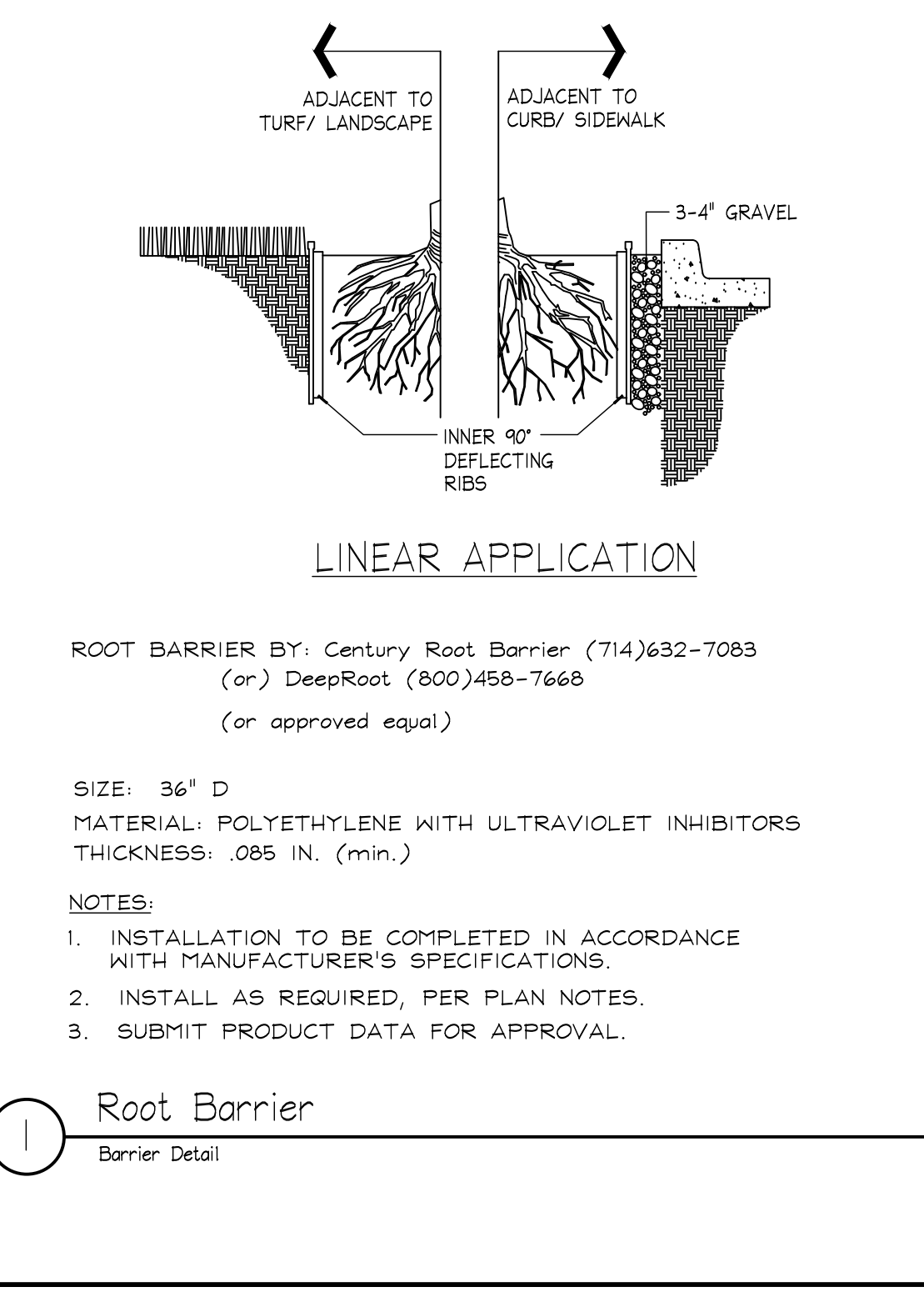
Large Tree Staking - 100 Gal + or B#B 4\"/>



Poor Drainage Condition
SECTION



Plantings Adjacent to Buildings
SECTION



Root Barrier
Barrier Detail NTS

		JONATHAN D. HAIGH, PLA FLORIDA LICENSE NUMBER LA 6666795	
		KHA PROJECT 143189000	DATE SEP 2020
LANDSCAPE DETAILS		UMDASCH REAL ESTATE USA LTD. LAKE WORTH BEACH FLORIDA	
OFFICE/INDUSTRIAL FACILITY PREPARED FOR		SHEET NUMBER L-150	
REVISIONS		DATE	

Always call 811 two full business days before you dig

Plotted By: djk... Sheet Set: DOKA LAKE WORTH BEACH... This document, together with the concepts and designs presented herein, is an instrument of service, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.

2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE HEAT WILL DAMAGE ANY PLANT. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

D. MATERIALS

1. GENERAL MATERIALS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL. UPON SUBMITTALS' APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

Table with 2 columns: MATERIAL, SUBMITTAL. Rows include MULCH, TOPSOIL MIX PLANTS, FERTILIZER, INNOCULANT, HERBICIDE, STAKING/GUYING.

2. PLANT MATERIALS

A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.

B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

- 1. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF 20% CLEAN FLORIDA MUCK AND 80% PARTS CLEAN SAND. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
2. MUCK (OR MUCKY PEAT) FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, AND OF A VERY HIGH ORGANIC CONTENT DERIVED FROM FLORIDA SOURCES; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
3. SAND FOR USE IN PREPARING SOIL MIXTURE SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY THE OWNER.
4. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.
5. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

F. WATER

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

*WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

*FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF 3 INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). TYPE OF MATERIAL: 'FLORIMULCH' OR SHREDDED, STERILE EUCALYPTUS MULCH

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTRUPR" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.

2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.

3. PLANTS MARKED 'BR' IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS, COMPLYING WITH FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.

5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB- BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION, FLORIDA #1 OR BETTER.

2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.

3. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.

4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL IS OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.

K. COLLECTED STOCK

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

L. NATIVE STOCK

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

M. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

N. FINE GRADING

- 1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.
3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES.

O. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL - 811 - TO LOCATE UTILITIES.

3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND ADEQUATE PERCOLATION CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

5. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE UPON ARRIVAL AT THE SITE. PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES, METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER PERCOLATION. IF POOR PERCOLATION EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMBS AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.

9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.

10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).

11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INCULCATION.

12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, BASKETS, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

13. PRUNING: TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" TO ACHIEVE SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

16. MULCHING: PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT.

17. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, 'ROUND-UP' SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

P. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.

2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.

3. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.

4. SODDING

A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

B. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.

C. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS, ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED - REFER TO DETAILS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.

5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.

6. LAWN MAINTENANCE:

A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"x12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADEING IF NECESSARY).

B. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

Q. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

R. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

S. MAINTENANCE (ALTERNATE BID ITEM)

CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST-PER-MONTH BASIS.

T. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

U. WARRANTY

- 1. THE LIFE AND SATISFACTORY CONDITION OF ALL 7 GALLON AND LARGER PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
2. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
3. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER 'PLANTING', AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

Table with columns: No., REVISIONS, DATE, BY.

Kimley Horn logo and contact information: 2020 KIMLEY-HORN AND ASSOCIATES, INC. 600 NORTH PINE ISLAND ROAD, SUITE 450, PLANTATION, FL 33324. PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM CA 00000696

Project information table: KHA PROJECT 143189000, JONATHAN D. HUGH, PLA, DATE SEP 2020, SCALE AS SHOWN, DESIGNED BY GB, DRAWN BY MB, CHECKED BY GB, DATE: 11/12/2020.

LANDSCAPE NOTES

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD. LAKE WORTH BEACH, FLORIDA

Always call 811 two full business days before you dig



Plotted By: Benalozor, Marcel - Sheet: Set: DOKA, LAKE WORTH - Layout: C-100 COVER SHEET - November 12, 2020 - 03:28:12pm - C:\Users\Marcel\Bernalozor\Desktop\Drawings\CAD\Drawings\CAD\100 COVER SHEET.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

PROJECT LOCATION
PALM BEACH COUNTY



OFFICE/INDUSTRIAL FACILITY

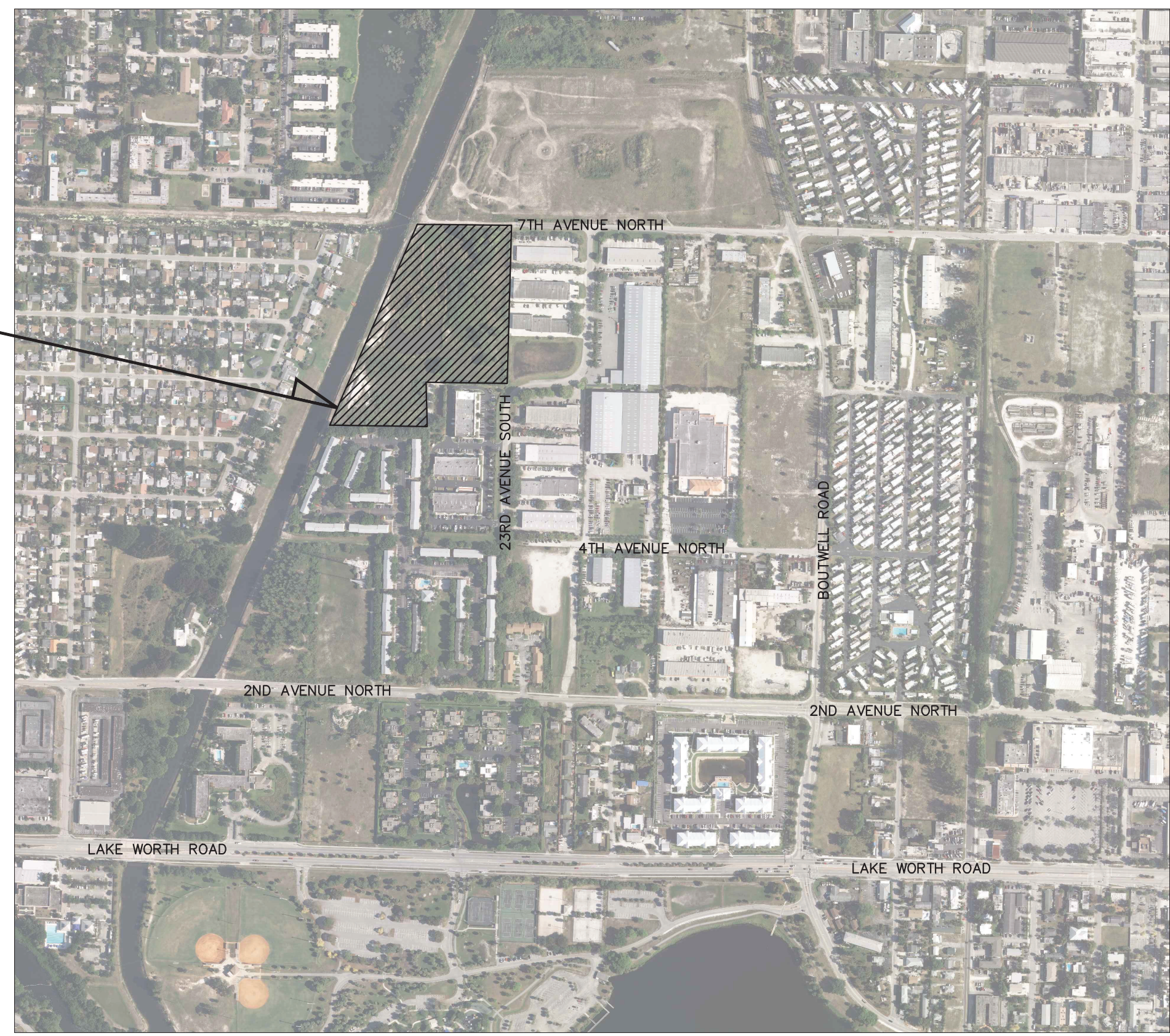
FOR

UMDASCH REAL ESTATE USA, LTD

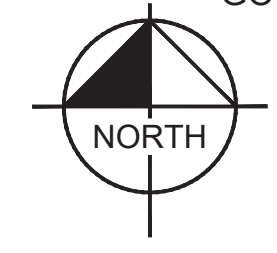
LAKE WORTH BEACH, FLORIDA

SECTION 20, TOWNSHIP 44, RANGE 43

PROJECT LOCATION



VICINITY MAP
1"=1000'



Kimley»Horn

© 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 561-863-8175
 WWW.KIMLEY-HORN.COM CA 00000696

DEVELOPER
UMDASCH REAL ESTATE USA LTD.
214 GRATES ROAD
LITTLE FERRY, NEW JERSEY

CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200
PLANTATION, FL 33324
PHONE: (954) 535-5100
CONTACT: GEORGE BALABAN, P.E.

SURVEYOR
VIC-SCOTT LAND SURVEYING & MAPPING, INC.
6043 KIMBERLY BOULEVARD, SUITE L
NORTH LAUDERDALE, FL 33068
PHONE: (954) 722-8500
CONTACT: SCOTT A. GUZZI, P.S.M.

LANDSCAPE ARCHITECT
KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411
CONTACT: JONATHAN HAIGH

GEOTECHNICAL ENGINEER
NUTTING ENGINEERING OF FLORIDA, INC.
1310 NEPTUNE DRIVE
BOYNTON BEACH, FL 33426
PHONE: (561) 736-4924
CONTACT: SCOTT ERSLAND

ARCHITECT
HNM ARCHITECTURE
3705 NORTH FEDERAL HIGHWAY
DELRAY BEACH, FL 33483
PHONE: (561) 733-2225
CONTACT: JAIME MAYO

LIST OF CONTACTS

WATER AND SEWER
CITY OF LAKE WORTH UTILITIES
414 LAKE AVENUE
LAKE WORTH, FLORIDA 33460
PHONE: (561) 586-1798
CONTACT: JULIE PARHAM

FIBER OPTIC
AT&T DISTRIBUTION
1120 S ROGERS CIR/CL
BOCA RATON, FL 33487
PHONE: (561) 997-0240
CONTACT: DINO FARRUGGIO

ELECTRIC PROVIDER
CITY OF LAKE WORTH BEACH - ELECTRIC UTILITIES
1900 2ND AVENUE NORTH
LAKE WORTH, FLORIDA 33461
PHONE: (561) 586-1699
CONTACT: JEAN ST. SIMON

NATURAL GAS PROVIDER
FLORIDA PUBLIC UTILITIES CO
401 SOUTH DIXIE HIGHWAY,
WEST PALM BEACH, FLORIDA 33401
PHONE: (561) 838-1773
CONTACT: CHRISTOPHER C. CANINO

CABLE PROVIDER
COMCAST CABLE
2601 SW 145TH AVENUE
MIRAMAR, FLORIDA 33027
PHONE: (954) 447-8405
CONTACT: LEONARD MAXWELL-NEWBOLD

TELECOMMUNICATIONS PROVIDER
LEVEL 3 COMMUNICATIONS, LLC
1025 ELDORADO BOULEVARD
BROOMFIELD, CO 80021
PHONE: (720) 888-7568

PUBLIC SERVICES
CITY OF LAKE WORTH BEACH
1749 3RD AVENUE SOUTH,
LAKE WORTH, FL 33460
PHONE: (561) 586-1720
CONTACT: FELIPE LOFASO

STORMWATER
SOUTH FLORIDA WATER
MANAGEMENT DISTRICT
3301 GUN CLUB ROAD,
WEST PALM BEACH, FL 33406
PHONE: (561) 882-2824
CONTACT: DUSTIN WOOD, P.E.

STORMWATER
LAKE WORTH DRAINAGE DISTRICT
PERMIT REVIEW COORDINATOR
13081 MILITARY TRAIL
DELRAY BEACH, FL 33484-1105
PHONE: (561) 819-5538
CONTACT: DAVID VARNER

BUILDING DIVISION
CITY OF LAKE WORTH BEACH
1900 2ND AVENUE NORTH,
LAKE WORTH, FL 33461
PHONE: (561) 586-1647
CONTACT: PETER RINGLE

FIRE RESCUE
PALM BEACH COUNTY
2300 NORTH JOG ROAD, 1ST FLOOR
WEST PALM BEACH, FL 33411
PHONE: (561) 233-0054
CONTACT: PEDRO SEGOVIA

TELEPHONE PROVIDER
AT&T
2021 S MILITARY TRAIL
WEST PALM BEACH, FL 33415
PHONE: (561) 988-6529
CONTACT: JOHN NGUYEN

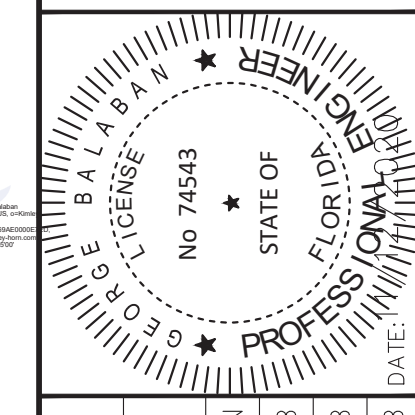
ENGINEERS CERTIFICATION
ALL CONSTRUCTION WITHIN FDOT RIGHT-OF-WAY TO BE CONSTRUCTED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FY 2020/2021 AND 2020 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

Sheet List Table	
Sheet Number	Sheet Title
C-100	COVER SHEET
C-101	GENERAL NOTES
C-102	DEMOLITION AND EROSION CONTROL NOTES
C-103	DEMOLITION AND EROSION CONTROL PLAN
C-104	DEMOLITION AND EROSION CONTROL PLAN
C-105	DEMOLITION AND EROSION CONTROL DETAILS
C-106	GEOMETRY SIGNAGE AND STRIPING PLAN
C-107	GEOMETRY SIGNAGE AND STRIPING PLAN
C-200	PAVING AND GRADING PLAN
C-201	PAVING AND GRADING PLAN
C-202	DRAINAGE PLAN
C-203	DRAINAGE PLAN
C-204	DRAINAGE DETAILS
C-205	PAVING GRADING AND DRAINAGE DETAILS
C-206	PAVING GRADING AND DRAINAGE DETAILS
C-207	PAVING GRADING AND DRAINAGE DETAILS
C-208	PAVING AND GRADING CROSS SECTIONS
C-300	UTILITY PLAN
C-301	UTILITY PLAN
C-302	CITY OF LAKE WORTH BEACH SEWER DETAILS
C-303	CITY OF LAKE WORTH BEACH SEWER DETAILS
C-304	CITY OF LAKE WORTH BEACH WATER DETAILS
C-305	CITY OF LAKE WORTH BEACH WATER DETAILS

George Balaban

No.	REVISIONS	DATE	BY

Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696



KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB
DATE:	

COVER SHEET

OFFICE/INDUSTRIAL FACILITY
 PREPARED FOR
UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH, FLORIDA

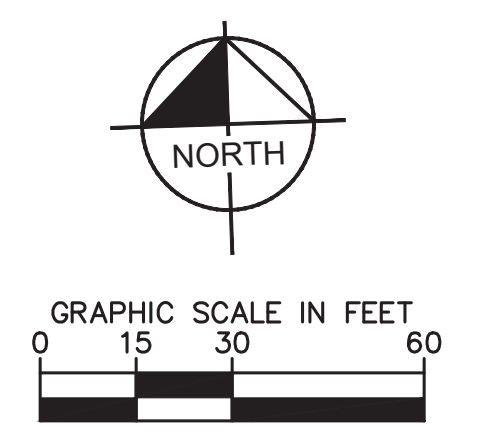
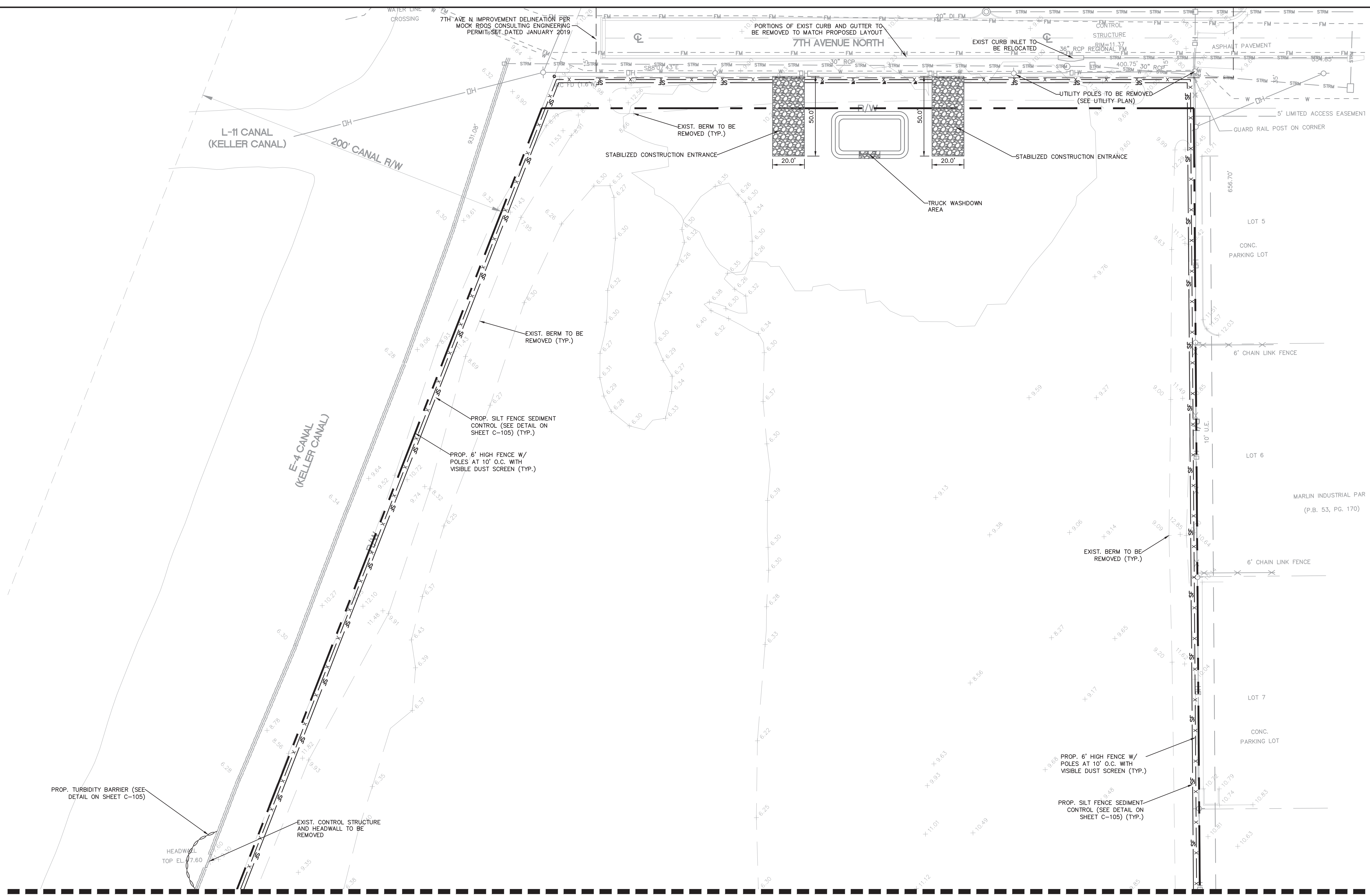
LEGAL DESCRIPTION

TRACT 66 AND THE NORTH 210.81 FEET OF TRACT 81, MODEL LAND CO. SUBDIVISION OF SECTION 20, TOWNSHIP 44 SOUTH, RANGE 43 EAST, ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, PAGE 79, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.



SHEET NUMBER
C-100

Plotted By: Benicioz, Marcel - Sheet Set: DOKA LAKE WORTH - Layout: C-103 - DEMOLITION AND EROSION CONTROL PLAN - November 12, 2020 - 03:25:36pm - C:\Users\Marcel.Benicioz\Desktop\Projects\103-103-DEMOLITION & EROSION CONTROL PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



George Balaban
 Digital signed by George Balaban
 No. 74543
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 License No. 74543
 Exp. Date: 08/12/11 11:16:00 AM

NO.	REVISIONS	DATE	BY

Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB

DEMOLITION AND EROSION CONTROL PLAN

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD.
 FLORIDA LAKE WORTH BEACH

SEE SHEET C-104 - DEMOLITION AND EROSION CONTROL PLAN FOR CONTINUATION

- EROSION CONTROL NOTES:**
- STOCKPILED MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR ROCK BAGS.
 - DUMPSTER ARE REQUIRED TO BE COVERED WHEN NOT EMPTYING OR FILLING.
 - SEE SHEET C-105.
 - CONTRACTOR TO RELOCATE CONSTRUCTION FENCE AND SILT FENCE TO BE WITHIN PROPOSED PROPERTY LINES AFTER PROPOSED DEMOLITION AND RIGHT-OF-WAY IMPROVEMENTS ARE COMPLETED.
 - INSTALL AND MAINTAIN DUST SCREENS ON THE INSIDE OF THE PROPOSED CONSTRUCTION FENCE IN ORDER TO PREVENT OBSTRUCTION ON TO NEIGHBORING PROPERTIES.
 - EXISTING UTILITIES TO REMAIN AND BE PROTECTED AT ALL TIMES.
 - CONTRACTOR TO REFER TO LANDSCAPE PLANS FOR ANY REQUIRED TREE PROTECTION DETAILS.

- DEMOLITION NOTES:**
- INFORMATION ON THIS PLAN IS BASED ON THE SURVEY PROVIDED BY MC-SCOTT LAND SURVEYING & MAPPING, DATED 03/06/2019.
 - THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT ALL EXISTING FEATURES THAT ENCOMBER THE PROPOSED CONSTRUCTION, AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN OMITTED FROM THE PLAN. THE CONTRACTOR SHALL THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
 - SEE LANDSCAPE PLANS FOR TREES TO REMAIN, BE REMOVED, RELOCATED, OR PROTECTED.
 - ALL MODIFICATIONS, REMOVALS AND RELOCATIONS OF EXISTING UTILITIES SHALL BE COORDINATED WITH THE UTILITY OWNER PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO SAWCUT AND MATCH EXISTING WHEN CONNECTING TO ADJACENT PAVEMENT.

- IF REQUIRED, CONTRACTOR TO COORDINATE WITH THE CITY OF LAKE WORTH BEACH TO OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC PLAN FOR VEHICULAR AND PEDESTRIAN TRAFFIC PRIOR TO COMMENCING WORK.
- DO NOT BLOCK OR OBSTRUCT FIRE HYDRANTS AT ANY TIME. PROVIDE CERTIFIED FIRE EXTINGUISHERS ONSITE.
- POST SIGN WITH 6-INCH TALL BUILDING ADDRESS VISIBLE TO STREET VIEW.
- IF ASBESTOS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR IS TO PREPARE, AS REQUIRED, ALL NECESSARY ABATEMENT AS PER ENVIRONMENTAL REGULATIONS.
- CONTRACTOR SHALL VISIT JOB SITE AND PHYSICALLY SURVEY ALL OF THE AS-BUILT CONDITIONS TO ASCERTAIN THE FULL SCOPE OF CLEARING AND DEMOLITION WORK. IF CONDITIONS ARE ENCOUNTERED OTHER THAN THOSE SHOWN ON THIS PLAN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
- ANY GRAFFITI OR UNAPPROVED SIGNS THAT SHOW UP ON THE CONSTRUCTION FENCE OR JOBSITE SHALL BE REMOVED IMMEDIATELY.
- INSTALL AND MAINTAIN DUST SCREENS ON THE INSIDE OF THE PROPOSED CONSTRUCTION FENCE IN ORDER TO PREVENT OBSTRUCTIONS TO THE SIDEWALK SHOULD THEY COME LOOSE.
- CONTRACTOR SHALL SEEK CITY APPROVAL FOR ANY PUBLIC SIDEWALKS AND/OR STREETS TO BE CLOSED DURING CONSTRUCTION.
- CONTRACTOR SHALL ENSURE PROPER EROSION CONTROL IS IN PLACE PRIOR TO DEMOLITION.

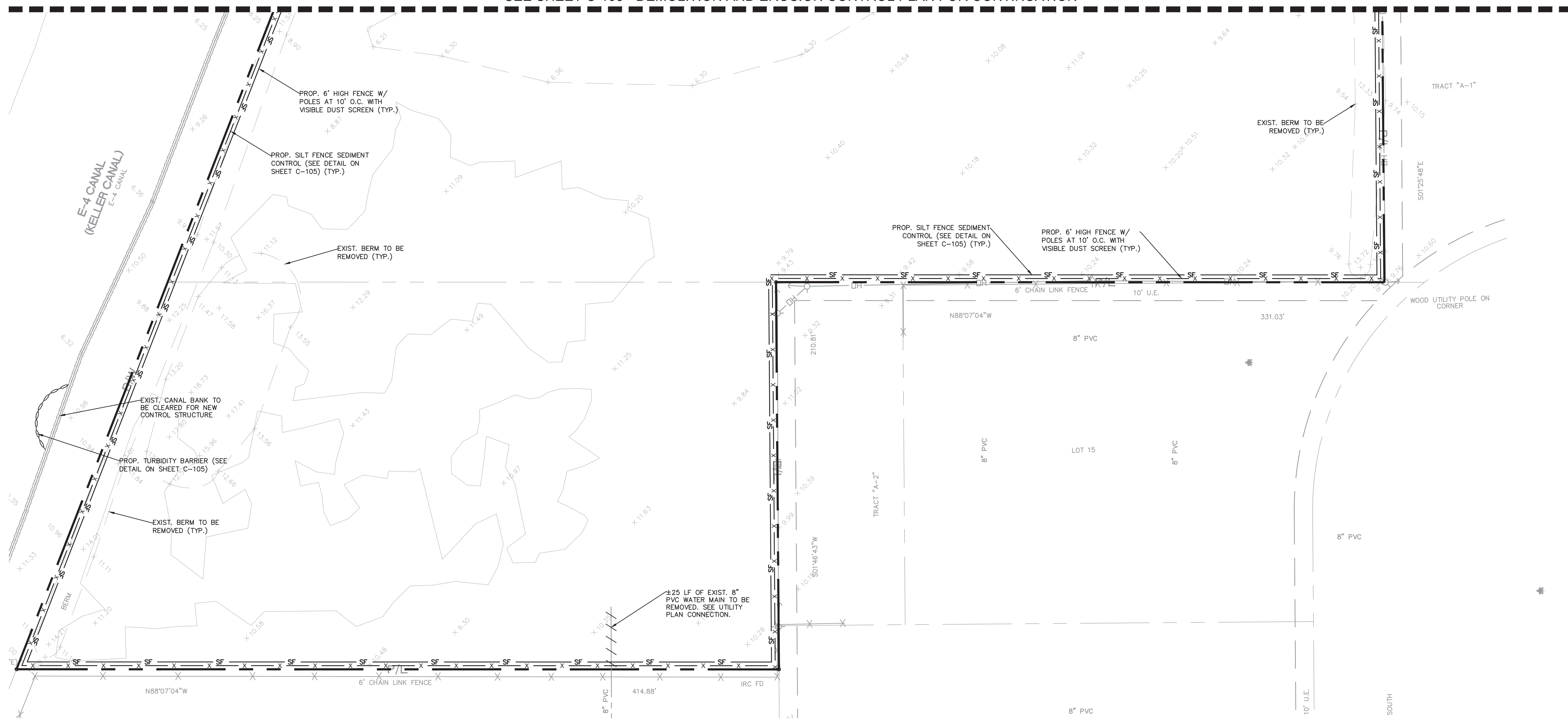
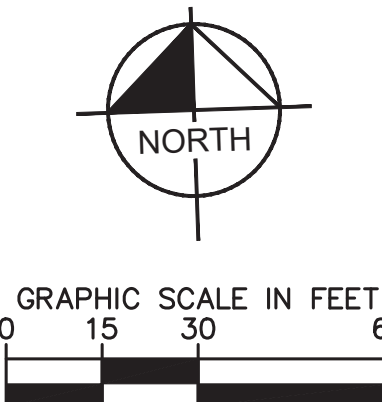
LEGEND

- CENTER LINE OF ROADWAY
- PROPERTY LINE AND/OR RIGHT-OF-WAY
- PROP. TURBIDITY BARRIER
- PROP. SILT FENCE SEDIMENT CONTROL
-
- PROP. STABILIZED CONSTRUCTION ENTRANCE
- EXIST. SANITARY SEWER FORCE MAIN
- EXIST. WATER MAIN
- EXIST. OVERHEAD ELECTRIC
- EXIST. OVERHEAD ELECTRIC POLE

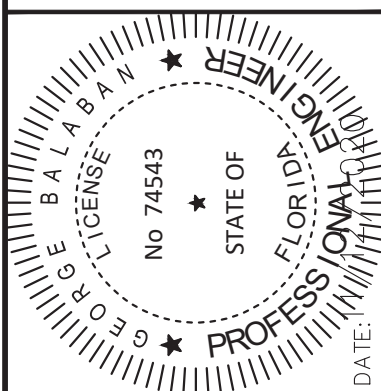
CONTRACTOR SHALL ENSURE ALL SITE PREPARATION REQUIREMENTS ARE MET AS DICTATED IN THE GEOTECHNICAL REPORT

Always call 811 two full business days before you dig

SEE SHEET C-103 - DEMOLITION AND EROSION CONTROL PLAN FOR CONTINUATION



Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696



George Balaban

KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB

DEMOLITION AND EROSION CONTROL PLAN

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD. LAKE WORTH BEACH FLORIDA

SHEET NUMBER C-104

EROSION CONTROL NOTES:

- STOCKPILED MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR ROCK BAGS.
- DUMPSTER ARE REQUIRED TO BE COVERED WHEN NOT EMPTYING OR FILLING.
- SEE SHEET C-105.
- CONTRACTOR TO RELOCATE CONSTRUCTION FENCE AND SILT FENCE TO BE WITHIN PROPOSED PROPERTY LINES AFTER PROPOSED DEMOLITION AND RIGHT-OF-WAY IMPROVEMENTS ARE COMPLETED.
- INSTALL AND MAINTAIN DUST SCREENS ON THE INSIDE OF THE PROPOSED CONSTRUCTION FENCE IN ORDER TO PREVENT OBSTRUCTION ON TO NEIGHBORING PROPERTIES.
- EXISTING UTILITIES TO REMAIN AND BE PROTECTED AT ALL TIMES.
- CONTRACTOR TO REFER TO LANDSCAPE PLANS FOR ANY REQUIRED TREE PROTECTION DETAILS.

DEMOLITION NOTES:

- INFORMATION ON THIS PLAN IS BASED ON THE SURVEY PROVIDED BY MC-SCOTT LAND SURVEYING & MAPPING, DATED 03/06/2019.
- THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT ALL EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION, AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN OMITTED FROM THE PLAN. THE CONTRACTOR SHALL THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
- SEE LANDSCAPE PLANS FOR TREES TO REMAIN, BE REMOVED, RELOCATED, OR PROTECTED.
- ALL MODIFICATIONS, REMOVALS AND RELOCATIONS OF EXISTING UTILITIES SHALL BE COORDINATED WITH THE UTILITY OWNER PRIOR TO CONSTRUCTION.
- CONTRACTOR TO SAWCUT AND MATCH EXISTING WHEN CONNECTING TO ADJACENT PAVEMENT.

- IF REQUIRED, CONTRACTOR TO COORDINATE WITH THE CITY OF LAKE WORTH BEACH TO OBTAIN AN APPROVED MAINTENANCE OF TRAFFIC PLAN FOR VEHICULAR AND PEDESTRIAN TRAFFIC PRIOR TO COMMENCING WORK.
- DO NOT BLOCK OR OBSTRUCT FIRE HYDRANTS AT ANY TIME. PROVIDE CERTIFIED FIRE EXTINGUISHERS ON-SITE.
- POST SIGN WITH 6-INCH TALL BUILDING ADDRESS VISIBLE TO STREET VIEW.
- IF ASBESTOS MATERIALS ARE ENCOUNTERED, THE CONTRACTOR IS TO PREPARE, AS REQUIRED, ALL NECESSARY ABATEMENT AS PER ENVIRONMENTAL REGULATIONS.
- CONTRACTOR SHALL VISIT JOB SITE AND PHYSICALLY SURVEY ALL OF THE AS-BUILT CONDITIONS TO ASCERTAIN THE FULL SCOPE OF CLEARING AND DEMOLITION WORK. IF CONDITIONS ARE ENCOUNTERED OTHER THAN THOSE SHOWN ON THIS PLAN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
- ANY GRAFFITI OR UNAPPROVED SIGNS THAT SHOW UP ON THE CONSTRUCTION FENCE OR JOBSITE SHALL BE REMOVED IMMEDIATELY.

- INSTALL AND MAINTAIN DUST SCREENS ON THE INSIDE OF THE PROPOSED CONSTRUCTION FENCE IN ORDER TO PREVENT OBSTRUCTIONS TO THE SIDEWALK SHOULD THEY COME LOOSE.
- CONTRACTOR SHALL SEEK CITY APPROVAL FOR ANY PUBLIC SIDEWALKS AND/OR STREETS TO BE CLOSED DURING CONSTRUCTION.
- CONTRACTOR SHALL ENSURE PROPER EROSION CONTROL IS IN PLACE PRIOR TO DEMOLITION.

LEGEND

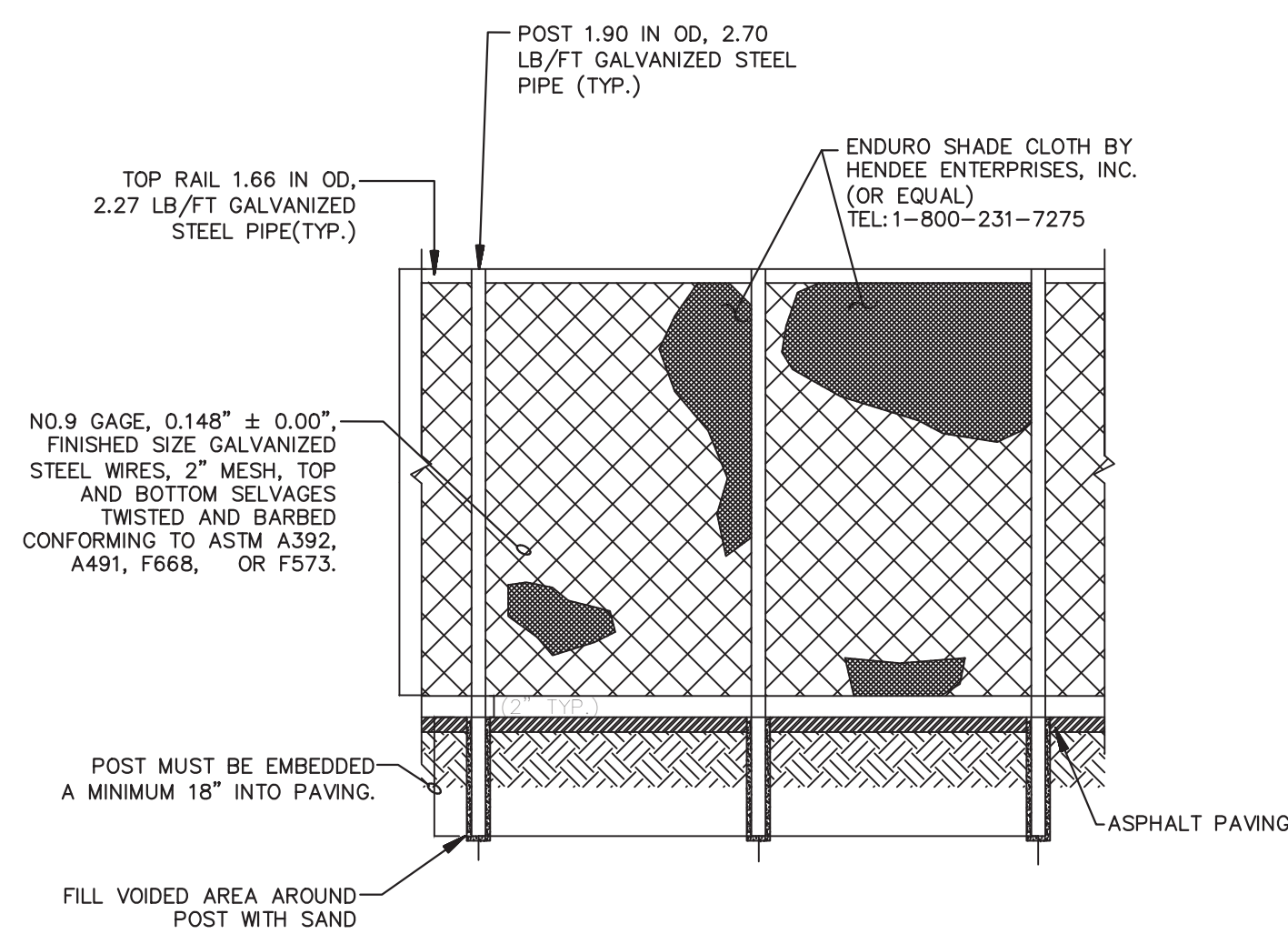
	CENTER LINE OF ROADWAY
	PROPERTY LINE AND/OR RIGHT-OF-WAY
	PROP. TURBIDITY BARRIER
	PROP. SILT FENCE SEDIMENT CONTROL
	PROP. 6' CHAIN LINK CONSTRUCTION FENCE WITH POLES AT 10'-0" O.C. AND VISIBLE DUST SCREEN
	EXIST. SANITARY SEWER FORCE MAIN
	EXIST. WATER MAIN
	EXIST. OVERHEAD ELECTRIC
	EXIST. OVERHEAD ELECTRIC POLE

CONTRACTOR SHALL ENSURE ALL SITE PREPARATION REQUIREMENTS ARE MET AS DICTATED IN THE GEOTECHNICAL REPORT

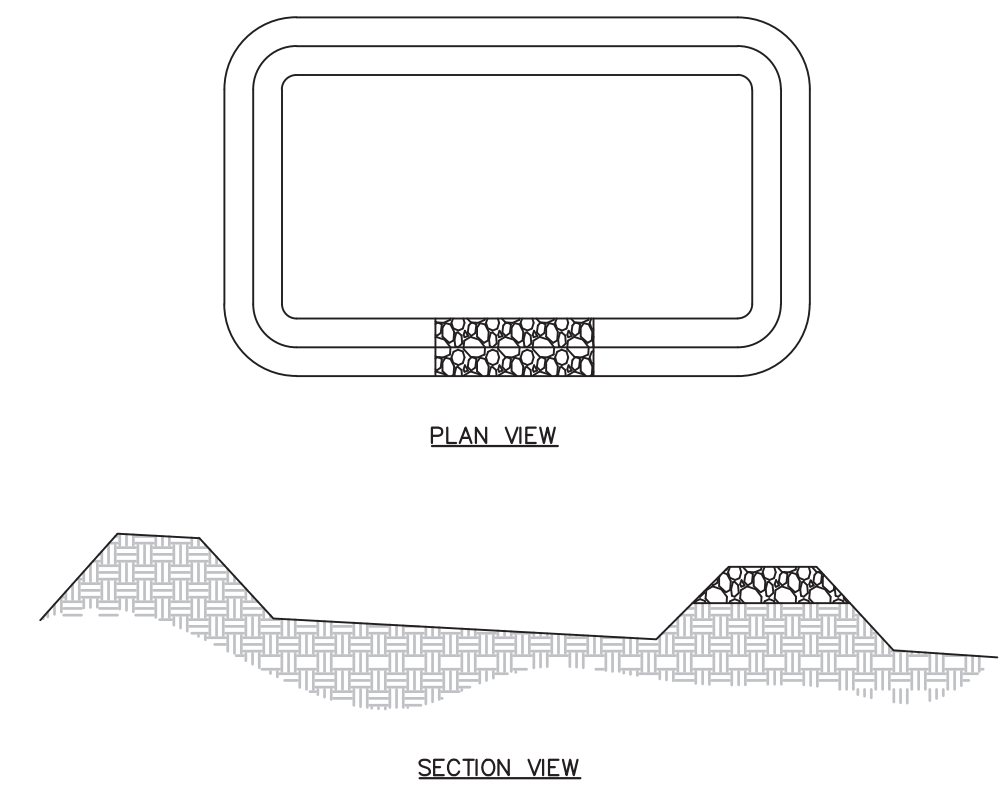


Plotted By: Benicioz, Marcel Sheet Set: DOKA LAKE WORTH Layout: C-104 DEMOLITION AND EROSION CONTROL PLAN November 12, 2020 03:25:35pm C:\Users\Marcel\Bencioz\Drawings\143189000\143189000-C-104-DEMOLITION AND EROSION CONTROL PLAN.dwg This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

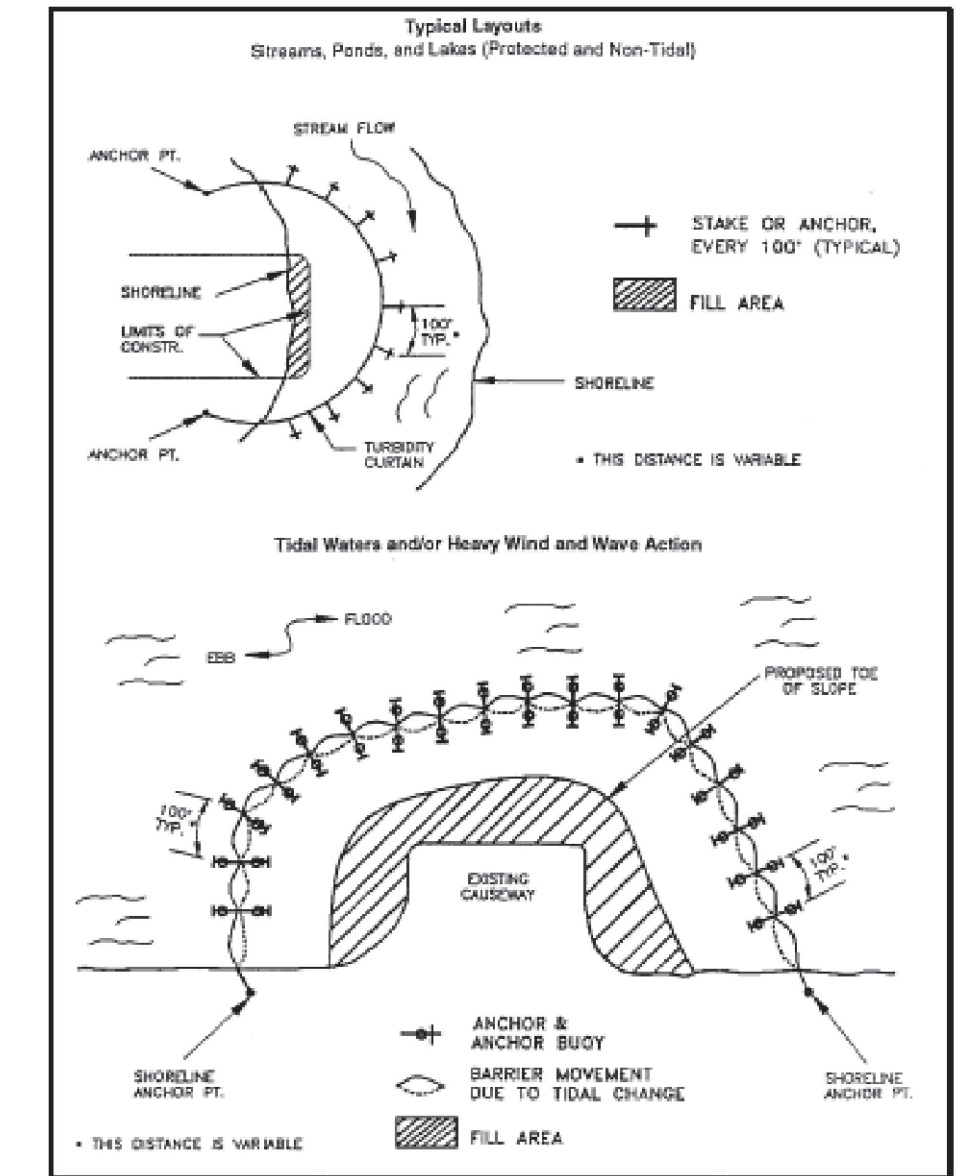
Plotted By: Beniciozoz, Marcel - Sheet Set: DOKA LAKE WORTH - Layout: C-105 - DEMOLITION AND EROSION CONTROL DETAILS - November 12, 2020 - 03:25:43pm - C:\Users\Marcel\Benciozoz\Desktop\Doka VADO_Plansheets\C-105 - DEMOLITION AND EROSION CONTROL DETAILS.dwg
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



1 6' CHAIN LINK CONSTRUCTION FENCE WITH VISUAL DUST SCREEN
N.T.S.



2 TRUCK WASHDOWN DETENTION AREA
N.T.S.



3 TURBIDITY BARRIER DETAIL
N.T.S.

George Balaban
Digitally signed by George Balaban
 DN: cn=George Balaban, o=KHA, ou=Kimley-Horn and Associates, Inc., email=george.balaban@kimley-horn.com, c=US
 Date: 2020.11.12 15:14:49 -0800

EROSION CONTROL NOTES

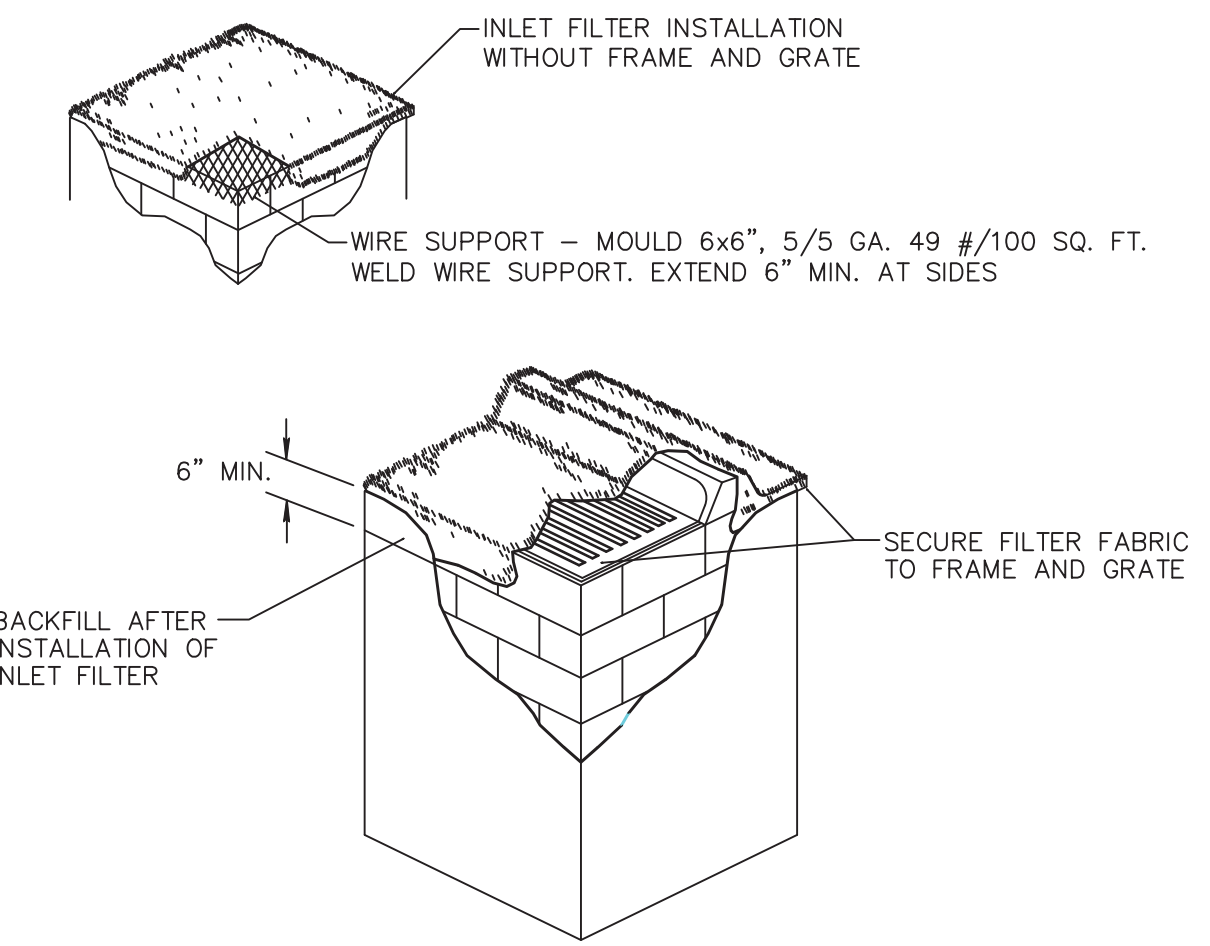
- THE INTENT OF EROSION CONTROL MEASURES INDICATED GRAPHICALLY ON PLANS IS TO PROVIDE A BARRIER TO CONTAIN SILT AND SEDIMENT ON THE PROJECT SITE. THIS REPRESENTATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE TEST OF EROSION CONTROL EFFECTIVENESS IS NOT TO BE DETERMINED BY ADHERENCE TO THE REPRESENT SET FORTH ON THE DRAWINGS AND SPECIFICATIONS, BUT BY MEETING THE REGULATIONS SET FORTH BY THE AUTHORITY HAVING JURISDICTION OVER WATER QUALITY CONTROL AND OTHER SEDIMENTATION RESTRICTION REQUIREMENTS IN THE REGION.
- APPROVED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING, GRADING, EXCAVATION, FILLING, OR OTHER LAND DISTURBANCE ACTIVITIES, EXCEPT THOSE OPERATIONS NEEDED TO INSTALL SUCH MEASURES.
- INSPECTION OF ALL EROSION CONTROL MEASURES SHALL BE CONDUCTED WEEKLY, OR AFTER EACH RAINFALL EVENT REPAIR, AND/OR REPLACEMENT OF SUCH MEASURES SHALL BE MADE PROMPTLY, AS NEEDED.
- KEEP DUST WITHIN TOLERABLE LIMITS BY SPRINKLING OR OTHER ACCEPTABLE MEANS.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED IF DEEMED NECESSARY BY ONSITE INSPECTION.
- FAILURE TO PROPERLY INSTALL AND MAINTAIN EROSION CONTROL PRACTICES SHALL RESULT IN CONSTRUCTION BEING HALTED.
- DRAINAGE INLETS SHALL BE PROTECTED BY FILTER AND GRADED ROCK AS PER INLET PROTECTION DETAIL.
- ANY ACCESS ROUTES TO SITE SHALL BE BASED WITH CRUSHED STONE, WHERE PRACTICAL.
- EROSION CONTROL MEASURES ARE TO BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED.
- ALL WORK IS TO BE IN COMPLIANCE WITH THE RULES AND REGULATIONS SET FORTH BY THE STATE OF FLORIDA, DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE CITY OF DELRAY BEACH.
- DISCHARGE FROM DEWATERING OPERATIONS SHALL BE RETAINED ONSITE IN A CONTAINMENT AREA.

CITY OF LAKE WORTH
PUBLIC SERVICES DEPARTMENT

EROSION CONTROL NOTES
DETAIL

25

DATE: 9/2/2020
SCALE: AS SHOWN



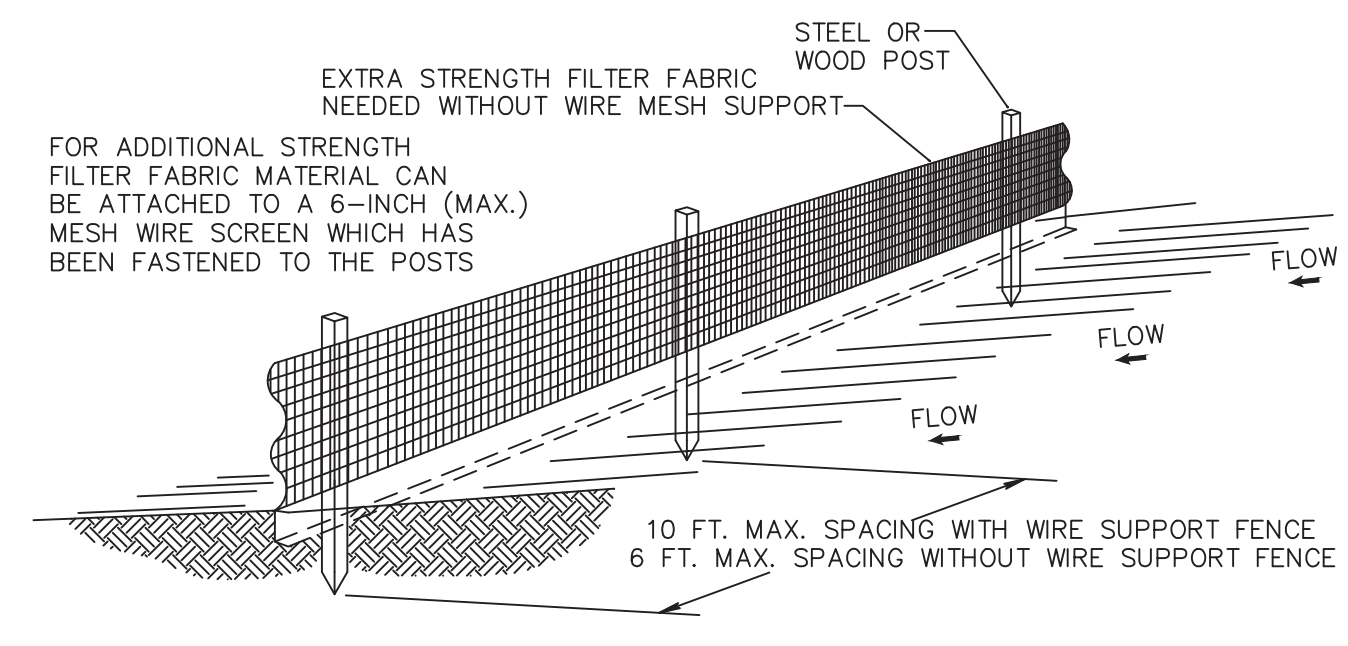
NOTES:

- CONTRACTOR IS TO CLEAN INLET FILTER AFTER EVERY STORM.
- CONTRACTOR TO REMOVE FABRIC JUST PRIOR TO PAVING.

A SEDIMENT TRAP WILL BE EXCAVATED BEHIND THE CURB AT THE INLET. THE BASIN SHALL BE AT LEAST 12 TO 14 INCHES IN DEPTH, APPROXIMATELY 36 INCHES IN WIDTH, AND APPROXIMATELY 7 TO 10 FEET IN LENGTH PARALLEL TO THE CURB.

STORM WATER WILL REACH THE SEDIMENT TRAP VIA CURB CUTS ADJACENT TO EACH SIDE OF THE INLET STRUCTURE. THESE OPENINGS SHALL BE AT LEAST 12 INCHES IN LENGTH. STORM WATER MAY ALSO REACH THE BASIN VIA OVERLAND FLOW LAND AREA BEHIND THE CURB. THE CURB CUTS SHALL BE REPAIRED WHEN THE SEDIMENT TRAP IS REMOVED.

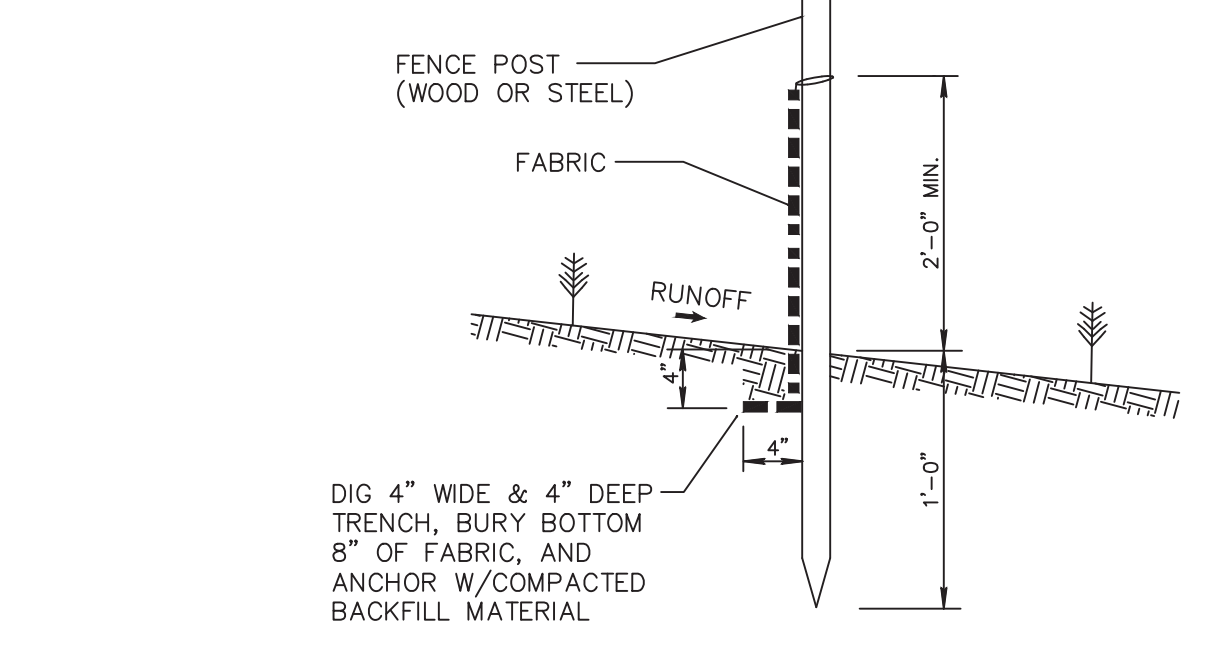
26 INLET FILTER DETAIL



NOTES:

- THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (90 CM).
- THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.
- POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET (3 M) APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 12 INCHES (30 CM). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET (1.8 M).
- A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES (10 CM) WIDE AND 4 INCHES (10 CM) DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
- WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH (25 MM) LONG, TIE WIRES, OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES (5 CM) AND SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
- THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES (20 CM) OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES (90 CM) ABOVE THE ORIGINAL GROUND SURFACE.
- THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE FILTER FABRIC.
- ALL PROJECTS REQUIRE SUBMITTAL OF POLLUTION PREVENTION PLAN (PPP).
- ALL PROJECTS 1 AC. OR MORE MUST SUBMIT NOTICE OF INTENT (NO) TO FDEP.

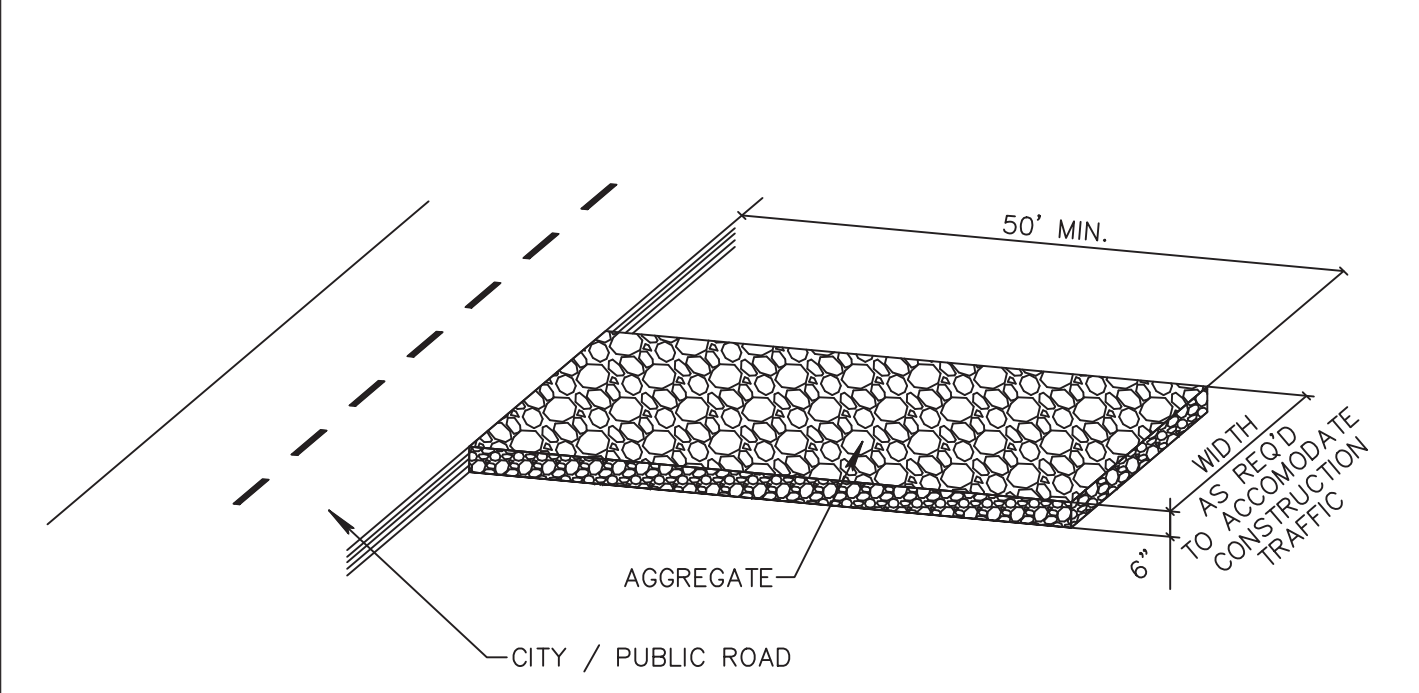
27 SILT FENCE INSTALLATION DETAIL



NOTES:

- PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
- ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
- DRIVE BOTH POSTS ABOUT 18 INCHES INTO THE GROUND AND BURY FLAP.

28 SILT FENCE INSTALLATION DETAIL



NOTE:

A CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AND CONTAIN AN AGGREGATE LAYER (FOOT AGGREGATE NO.1), AT LEAST 6-INCHES THICK. IT MUST EXTEND TO THE WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA.

CITY / PUBLIC ROAD TO BE KEPT FREE OF DEBRIS AND AGGREGATE.

29 STABILIZED CONSTRUCTION ENTRANCE DETAIL

NO.	REVISIONS	DATE	BY

Kimley»Horn

© 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

PROFESSIONAL ENGINEER

STATE OF FLORIDA

NO. 74543

DATE: 9/2/2020

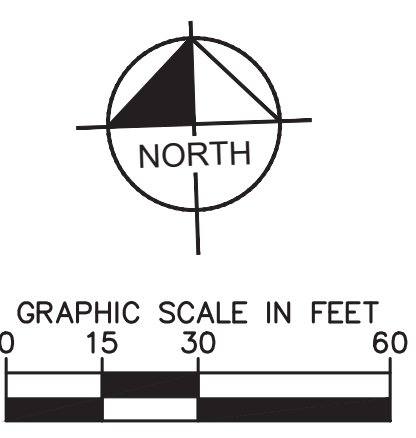
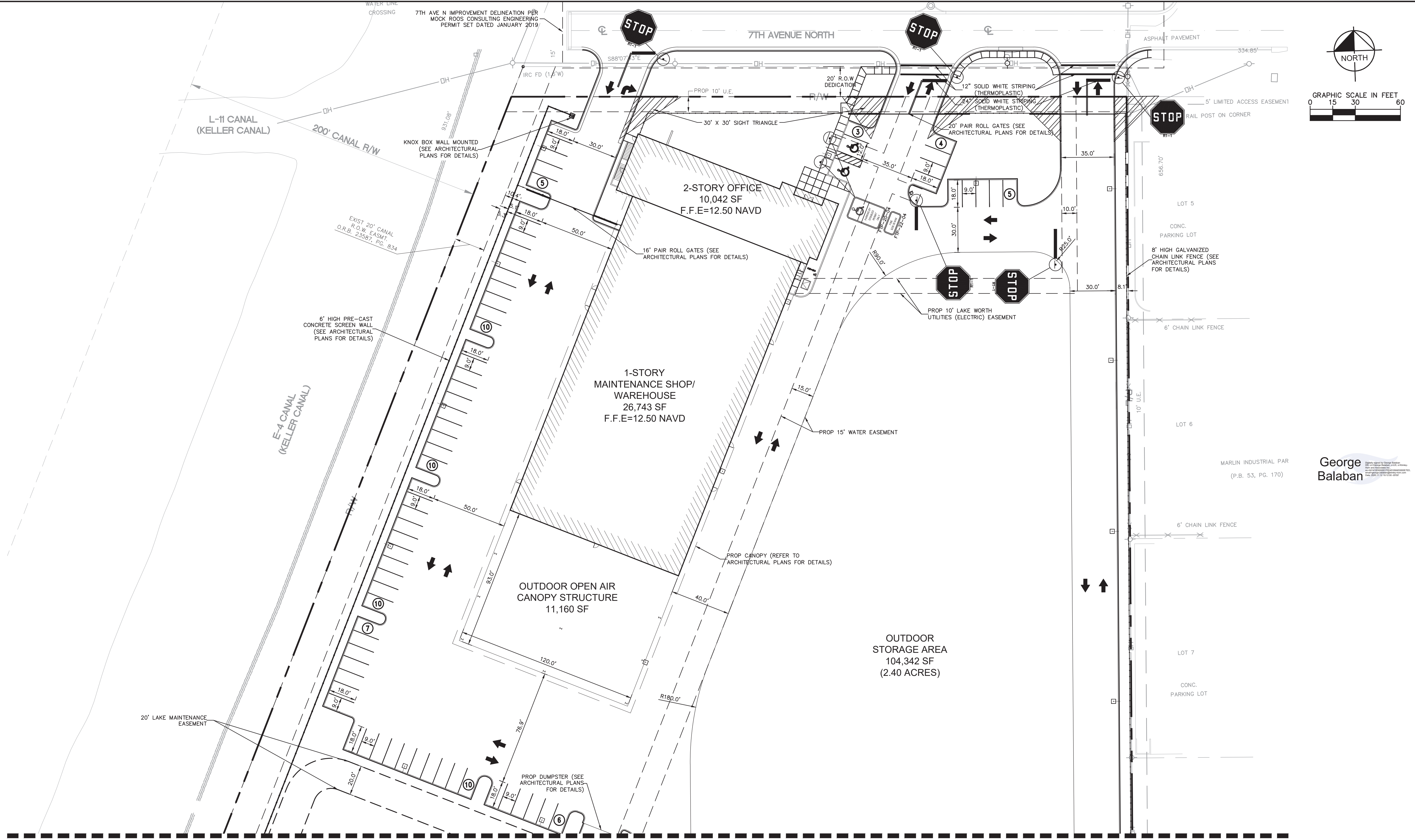
KHA PROJECT 143189000	DATE 9/2/2020	SCALE AS SHOWN	DESIGNED BY GB	DRAWN BY MB	CHECKED BY GB
--------------------------	------------------	-------------------	-------------------	----------------	------------------

DEMOLITION AND EROSION CONTROL DETAILS

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD.
 FLORIDA
 LAKE WORTH BEACH

Always call 811 two full business days before you dig

Plotted By: Benolozor, Marcel - Sheet Set: DOKA LAKE WORTH - Layout: C-106 GEOMETRY SIGNAGE AND STRIPING PLAN - November 12, 2020 - 03:25:46pm - C:\Users\Marcel.Benolozor\Desktop\Docka\GADD\Plansheets\C-106 GEOMETRY SIGNAGE AND STRIPING PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



SEE SHEET C-107 - GEOMETRY SIGNAGE AND STRIPING PLAN FOR CONTINUATION

LEGEND

- CENTER LINE OF ROADWAY
- RIGHT-OF-WAY
- PROP BUILDING
- PROP TYPE 'D' CURB
- PROP CONCRETE SIDEWALK
- PROP PAVEMENT MARKINGS
- CITY OF LAKE WORTH BEACH SIGHT TRIANGLES
- PROP LIGHT FIXTURES

Always call 811 two full business days before you dig

NO.	REVISIONS	DATE	BY

Kimley»Horn

© 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

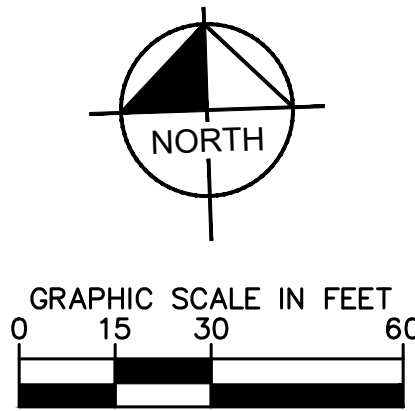
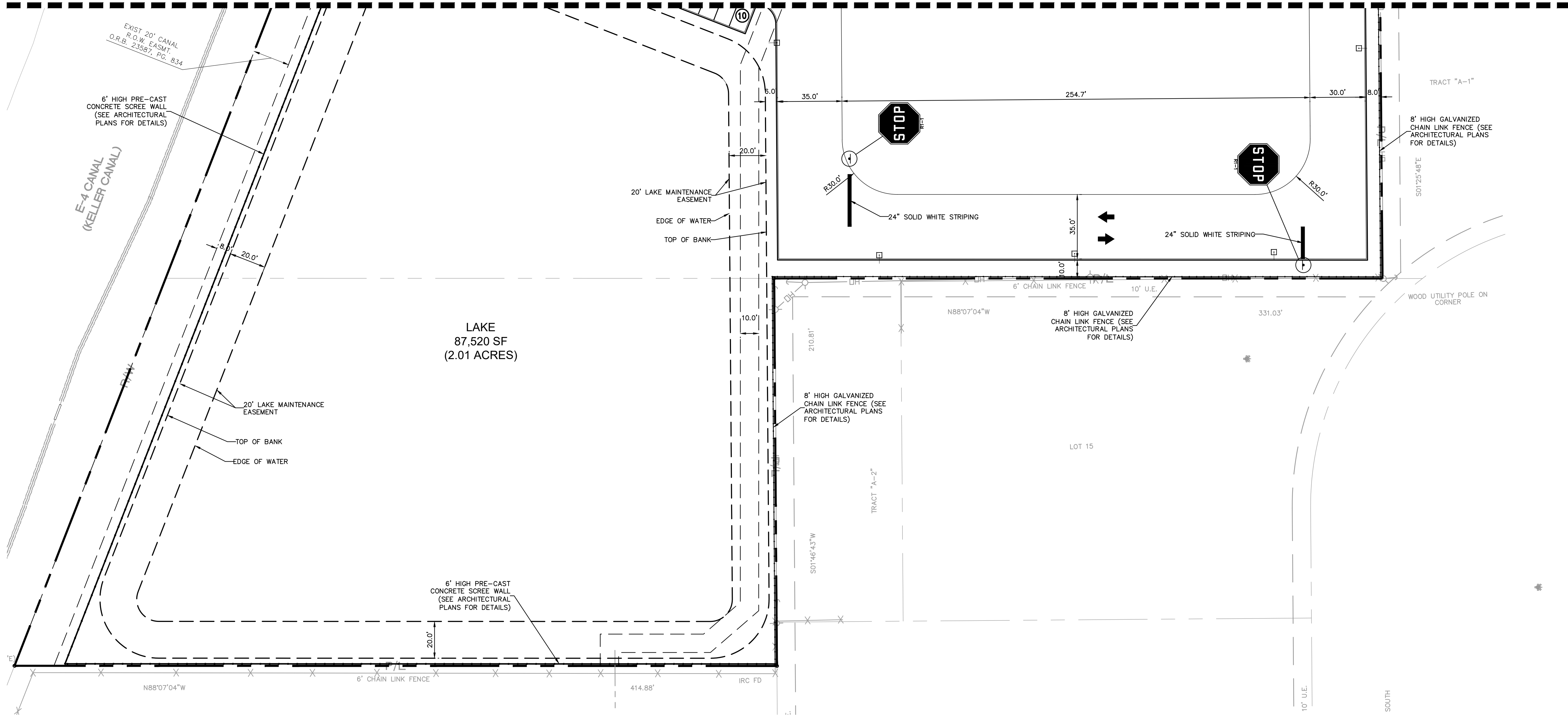
KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	
DRAWN BY	
CHECKED BY	

OFFICE/INDUSTRIAL FACILITY
 PREPARED FOR
UMDASCH REAL ESTATE USA
 LAKE WORTH BEACH, FLORIDA

GEOMETRY SIGNAGE AND STRIPING PLAN

SHEET NUMBER
C-106

SEE SHEET C-106 - GEOMETRY SIGNAGE AND STRIPING PLAN FOR CONTINUATION



LEGEND

- CENTER LINE OF ROADWAY
- RIGHT-OF-WAY
- PROP BUILDING
- PROP TYPE 'D' CURB
- PROP CONCRETE SIDEWALK
- PROP PAVEMENT MARKINGS
- CITY OF LAKE WORTH BEACH SIGHT TRIANGLES
- PROP LIGHT FIXTURES

Plotted By: Benolozor, Marcel - Sheet Set: DOKA LAKE WORTH - Layout: C-107 - GEOMETRY SIGNAGE AND STRIPING PLAN - August 20, 2020 - 10:22:43am - C:\Users\Marcel.Benolozor\Desktop\GADD\Plansheets\C-106 - GEOMETRY SIGNAGE AND STRIPING PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	REVISIONS	DATE	BY

Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 600 NORTH PINE ISLAND ROAD, SUITE 450, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

KHA PROJECT	143189000
DATE	
SCALE	AS SHOWN
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB
DATE	8/20/2020

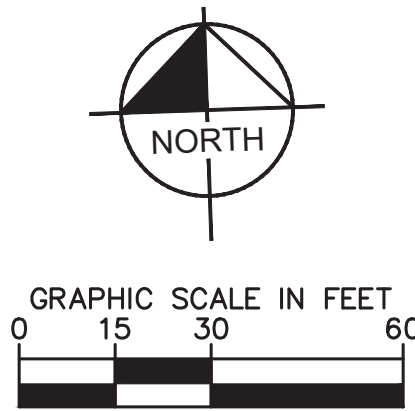
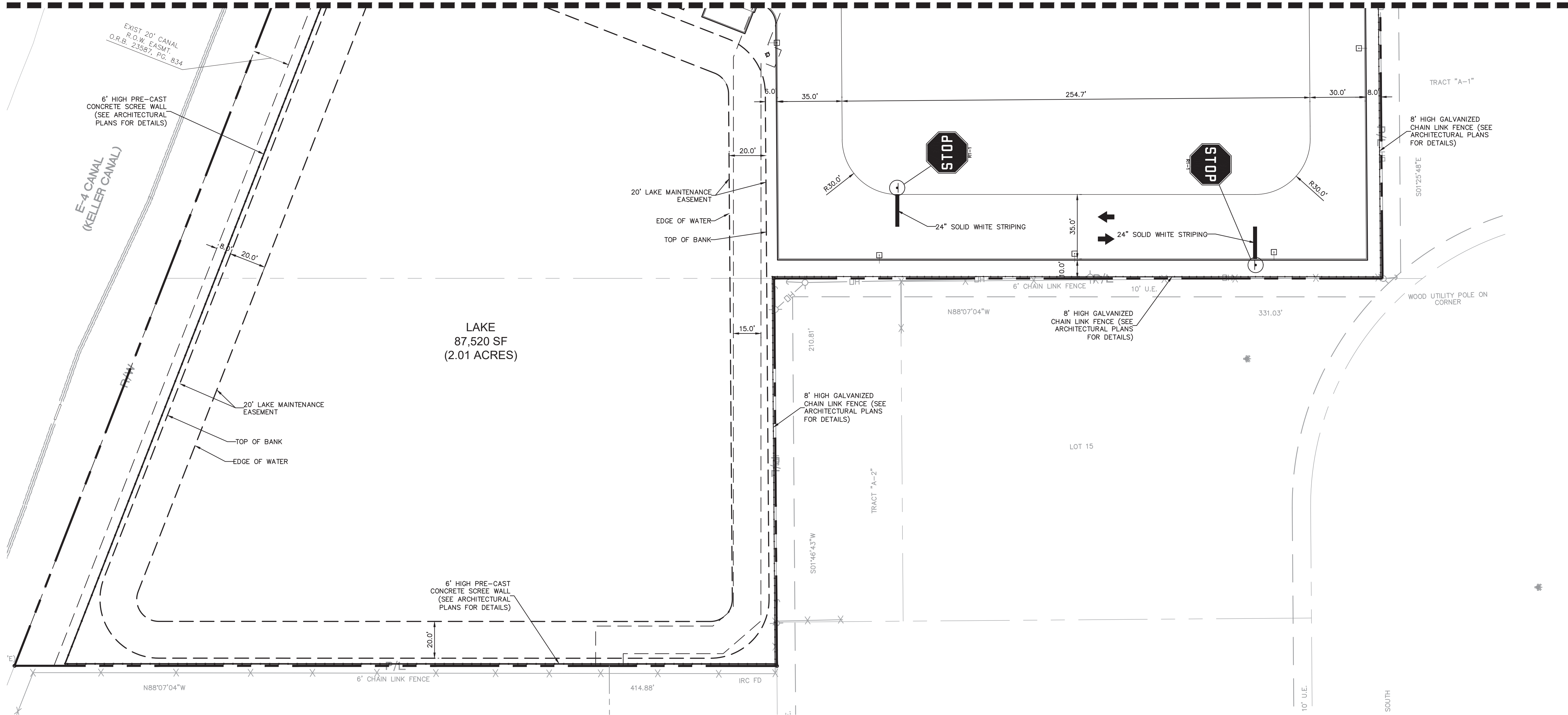
GEOMETRY SIGNAGE AND STRIPING PLAN

DOKA LAKE WORTH
 PREPARED FOR
UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH FLORIDA

SHEET NUMBER
C-107

Always call 811 two full business days before you dig

SEE SHEET C-106 - GEOMETRY SIGNAGE AND STRIPING PLAN FOR CONTINUATION



George Balaban
Professional Engineer
No. 74543
STATE OF FLORIDA

LEGEND

- CENTER LINE OF ROADWAY
- RIGHT-OF-WAY
- PROP BUILDING
- PROP TYPE 'D' CURB
- PROP CONCRETE SIDEWALK
- PROP PAVEMENT MARKINGS
- CITY OF LAKE WORTH BEACH SIGHT TRIANGLES
- PROP LIGHT FIXTURES

Plotted By: Benicioz, Marcel - Sheet Set: DOKA LAKE WORTH - Layout: C-107 - GEOMETRY SIGNAGE AND STRIPING PLAN - November 12, 2020 - 03:25:45pm - C:\Users\Marcel.Benicioz\Desktop\Docs\CADD\Plansheets\C-106 - GEOMETRY SIGNAGE AND STRIPING PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NO.	REVISIONS	DATE	BY

Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

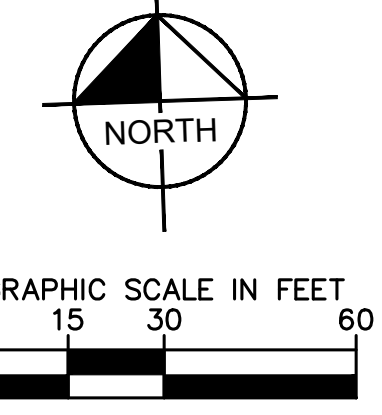
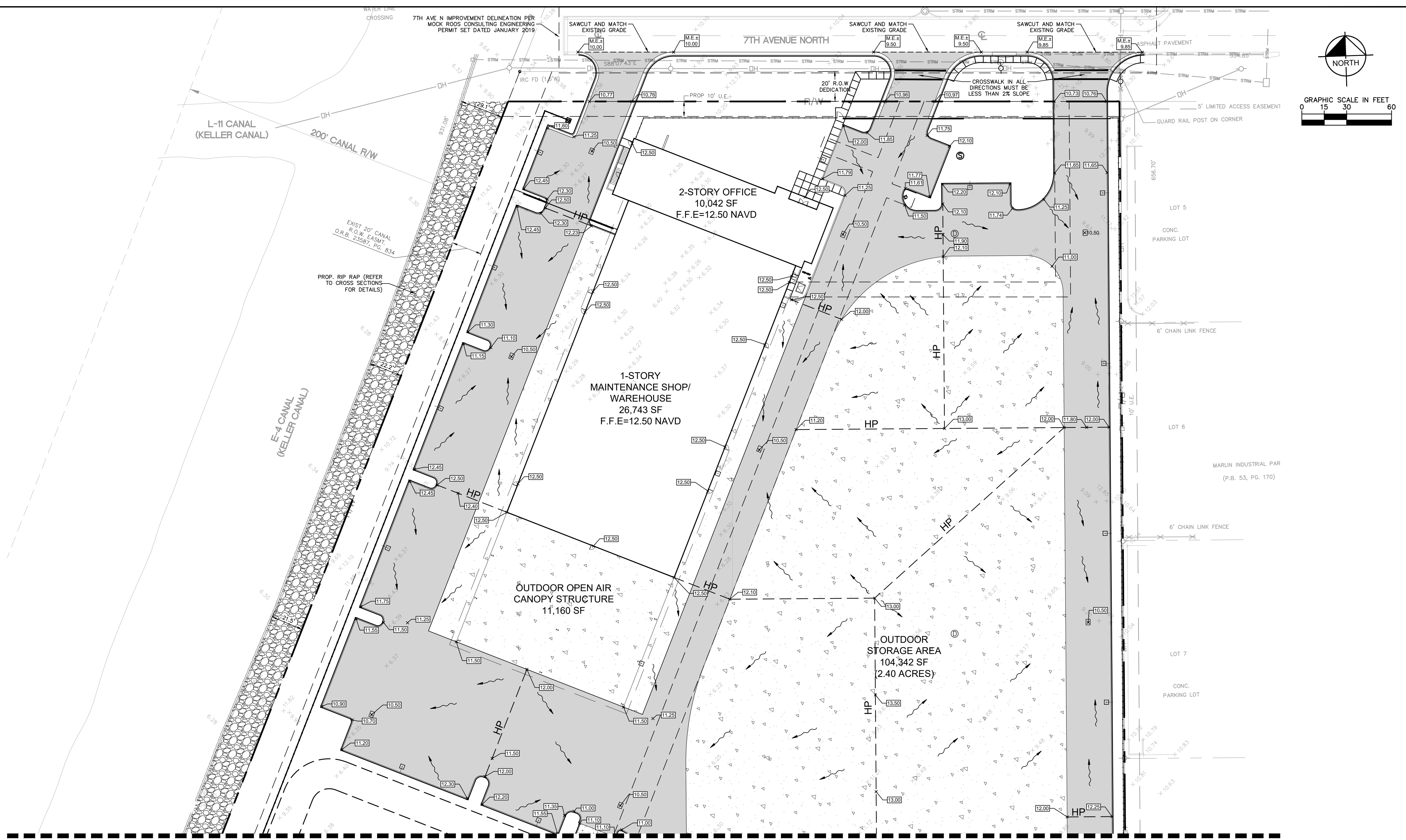
KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB
DATE:	

GEOMETRY SIGNAGE AND STRIPING PLAN

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH FLORIDA

Always call 811 two full business days before you dig

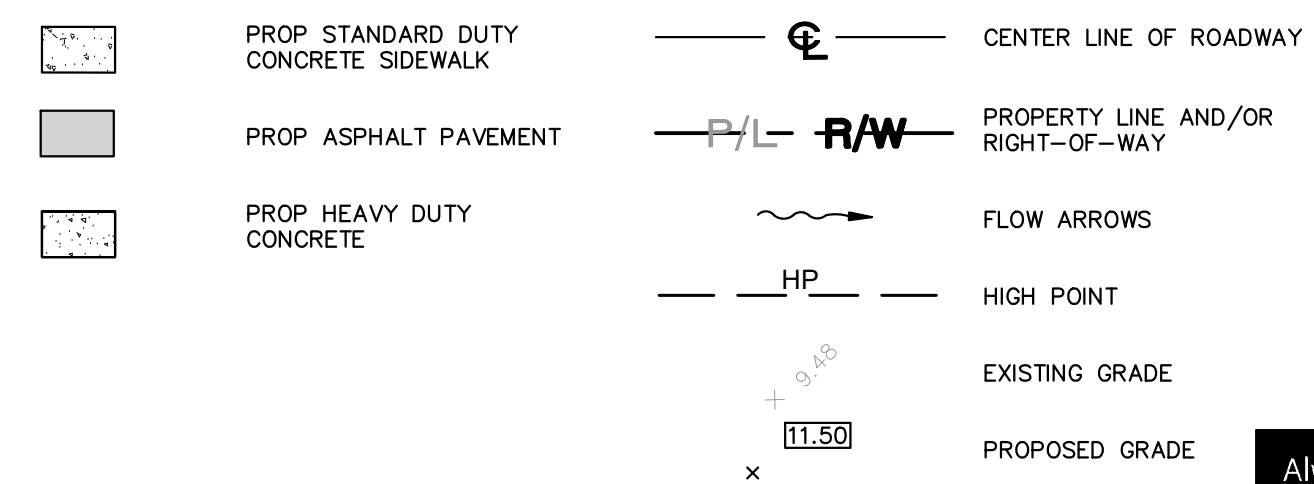
Plotted By: Beniciozora, Marcel - Sheet Set: DOKA LAKE WORTH - Layout: C-200 PAVING AND GRADING PLAN - November 20, 2020 - 06:33:44pm - C:\Users\Marcel\Benediczoza\Desktop\Drawings\Drawings\Plan\Sheet C-200 PAVING AND GRADING PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



SEE SHEET C-201 - PAVING AND GRADING PLAN FOR CONTINUATION

- ADA NOTES:**
- ALL UNCAPPED PARKING SPACES AND ACCESS AISLES ADJACENT TO THE HANDICAP PARKING SPACES SHALL HAVE A MAXIMUM OF 2% SLOPE IN ALL DIRECTIONS (THIS INCLUDES RUNNING SLOPE AND CROSS SLOPE).
 - AN ACCESSIBLE ROUTE FROM THE PUBLIC STREET OR SIDEWALK TO THE BUILDING'S ENTRANCE MUST BE PROVIDED. THIS ACCESSIBLE ROUTE SHALL BE A MINIMUM OF 60" WIDE. THE RUNNING SLOPE OF AN ACCESSIBLE ROUTE SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%.
 - SLOPES EXCEEDING 5% BUT LESS THAN 8% WILL REQUIRE A RAMP AND MUST CONFORM TO THE REQUIREMENTS FOR RAMP DESIGN (HANDRAILS, CURBS, LANDINGS). NO RAMP SHALL EXCEED AN 8% RUNNING SLOPE OR 2% CROSS SLOPE.
 - IN THE CASE THAT A NEW SIDEWALK WILL BE CONSTRUCTED IN THE R/W OF A SITE, THE RUNNING SLOPE OF THE SIDEWALK SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%. THIS STANDARD APPLIES TO CROSS WALKS IN THE DRIVEWAY AS WELL AND WILL REQUIRE SPECIAL ATTENTION DURING STAKING TO MAKE SURE THE 2% CROSS SLOPE IS MET IN THE CROSS WALK.
 - IT WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT THE HANDICAP PARKING SPACES, ACCESSIBLE ROUTES, AND SIDEWALKS/CROSSWALKS ARE CONSTRUCTED TO MEET ADA REQUIREMENTS.
 - ANY REQUIREMENTS LISTED ABOVE THAT CAN NOT BE MET SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. ANYTHING NOT BUILT TO THE ABOVE STANDARDS WILL REQUIRE REMOVAL AND REPLACEMENT OF THE NON COMPLIANT AREAS AT THE GENERAL CONTRACTOR'S COST.
 - ALL CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND THE FLORIDA ACCESSIBILITY CODE.

- GENERAL NOTES:**
- ALL ELEVATIONS LISTED ON PLANS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
 - CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR TO NOTIFY ENGINEER OF ANY CONFLICTS.
 - IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
 - CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CITY OF LAKE WORTH ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
 - CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY OF THE POWER LINES.
 - CONTRACTOR TO ADJUST ANY MANHOLE RIMS AND VALVE LIDS TO MATCH PROPOSED GRADES.
 - CONTRACTOR TO REFER TO CITY OF LAKE WORTH STANDARD DETAILS FOR UTILITY PAVEMENT RESTORATION DETAILS.
 - STORM PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE), UNLESS OTHERWISE NOTED.
 - IF ANY EXISTING STORM DRAINAGE STRUCTURES AND PIPES TO REMAIN IN SERVICE ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THOSE STRUCTURES TO PRIOR CONDITION, OR BETTER, OR TO REPLACE THEM, AS NECESSARY.
 - ALL STORM PIPES ENTERING STRUCTURES SHALL BE GROUTED TO ENSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
 - ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING FRAME AND COVER. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE SURROUNDING GRADE.



JOINT LAYOUT NOTE:
 JOINT LAYOUT TO BE PROVIDED BY CONTRACTOR AND SENT TO EOR FOR CONCURRENCE. CONTRACTOR TO INCLUDE PROVISIONS OF MAXIMUM JOINT SPACING OF 8 FT WIDE SLAB. JOINT DETAIL TO FOLLOW AMERICAN CONCRETE INSTITUTE FOR JOINT LAYOUT PROCEDURE.

CONTRACTOR SHALL ENSURE ALL SITE PREPARATION REQUIREMENTS ARE MET AS DICTATED IN THE GEOTECHNICAL REPORT

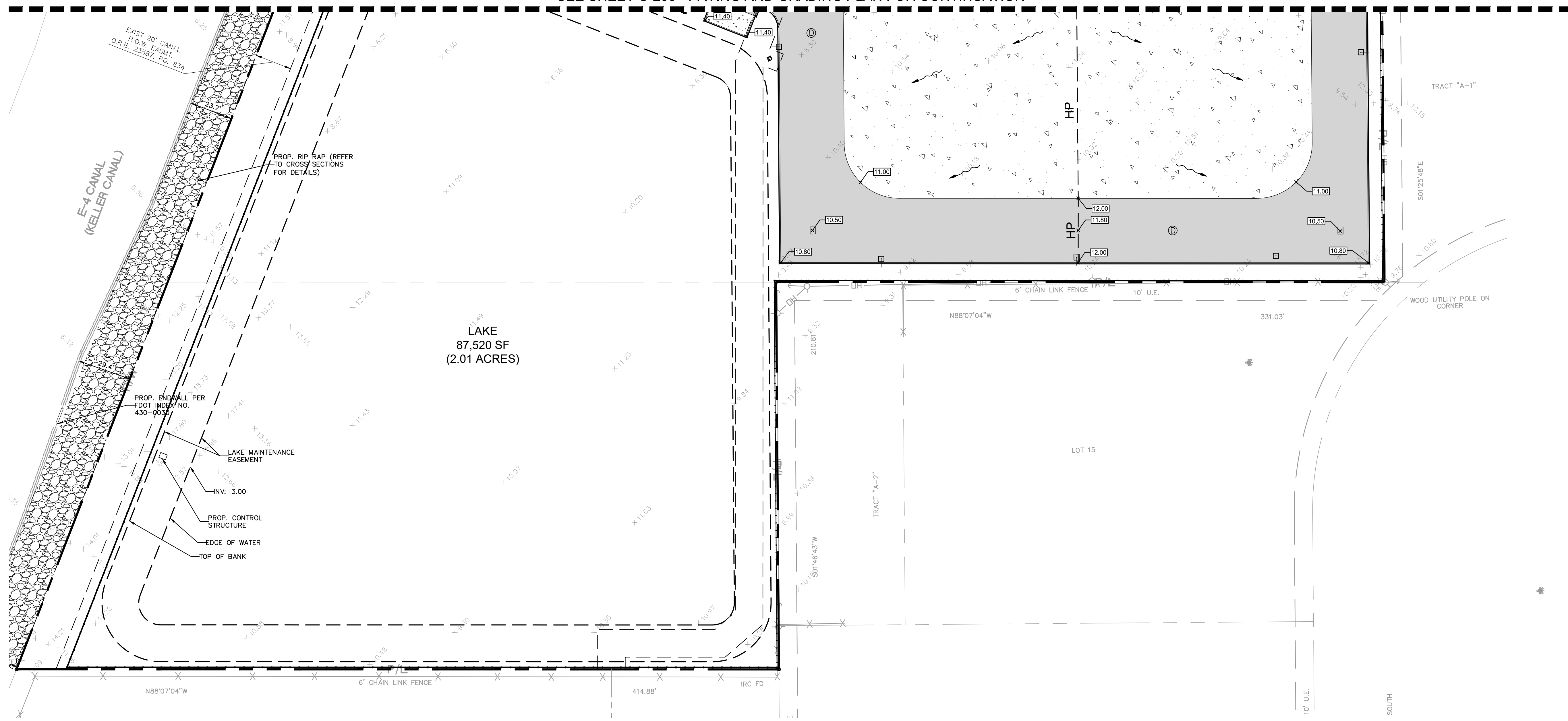
ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 ADD 1.52 FEET.

Always call 811 two full business days before you dig

<p>Kimley»Horn</p> <p>© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM CA 00000696</p>	<p>PROFESSIONAL ENGINEER</p> <p>STATE OF FLORIDA LICENSE NO. 74543 FLOOR PLAN</p>
<p>PAVING AND GRADING PLAN</p>	<p>OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD.</p> <p>FLORIDA LAKE WORTH BEACH</p>
<p>KHA PROJECT 143189000 DATE 9/2/2020 SCALE AS SHOWN DESIGNED BY GB DRAWN BY MB CHECKED BY GB</p>	<p>DATE: _____ REVISIONS: _____ BY: _____</p>
<p>SHEET NUMBER C-200</p>	

Plotted By: Beniciozcor, Marcel - Sheet: DOKA LAKE WORTH - Layout: C-201 - PAVING AND GRADING PLAN - November 20, 2020 - 06:33:45pm - C:\Users\Marcel\Beniciozcor\Desktop\Drawings\CADD\Plansheets\C-200 PAVING AND GRADING - PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SEE SHEET C-200 - PAVING AND GRADING PLAN FOR CONTINUATION



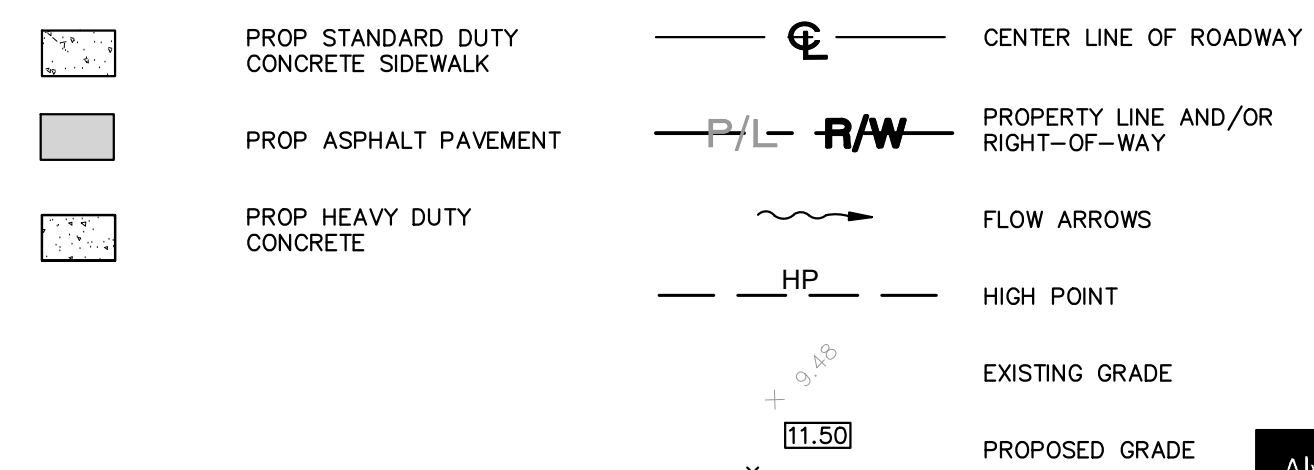
ADA NOTES:

- ALL HANDICAPPED PARKING SPACES AND ACCESS AISLES ADJACENT TO THE HANDICAP PARKING SPACES SHALL HAVE A MAXIMUM OF 2% SLOPE IN ALL DIRECTIONS (THIS INCLUDES RUNNING SLOPE AND CROSS SLOPE).
- AN ACCESSIBLE ROUTE FROM THE PUBLIC STREET OR SIDEWALK TO THE BUILDING'S ENTRANCE MUST BE PROVIDED. THIS ACCESSIBLE ROUTE SHALL BE A MINIMUM OF 60" WIDE. THE RUNNING SLOPE OF AN ACCESSIBLE ROUTE SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%.
- SLOPES EXCEEDING 5% BUT LESS THAN 8% WILL REQUIRE A RAMP AND MUST CONFORM TO THE REQUIREMENTS FOR RAMP DESIGN (HANDRAILS, CURBS, LANDINGS). NO RAMP SHALL EXCEED AN 8% RUNNING SLOPE OR 2% CROSS SLOPE.
- IN THE CASE THAT A NEW SIDEWALK WILL BE CONSTRUCTED IN THE R/W OF A SITE, THE RUNNING SLOPE OF THE SIDEWALK SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%. THIS STANDARD APPLIES TO CROSS WALKS IN THE DRIVEWAY AS WELL AND WILL REQUIRE SPECIAL ATTENTION DURING STAKING TO MAKE SURE THE 2% CROSS SLOPE IS MET IN THE CROSS WALK.
- IT WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT THE HANDICAP PARKING SPACES, ACCESSIBLE ROUTES, AND SIDEWALKS/CROSSWALKS ARE CONSTRUCTED TO MEET ADA REQUIREMENTS.
- ANY REQUIREMENTS LISTED ABOVE THAT CAN NOT BE MET SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. ANYTHING NOT BUILT TO THE ABOVE STANDARDS WILL REQUIRE REMOVAL AND REPLACEMENT OF THE NON COMPLIANT AREAS AT THE GENERAL CONTRACTOR'S COST.
- ALL CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND THE FLORIDA ACCESSIBILITY CODE.

GENERAL NOTES:

- ALL ELEVATIONS LISTED ON PLANS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR TO NOTIFY ENGINEER OF ANY CONFLICTS.
- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
- CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CITY OF LAKE WORTH ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
- CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY THE POWER LINES.
- CONTRACTOR TO ADJUST ANY MANHOLE RIMS AND VALVE LIDS TO MATCH PROPOSED GRADES.
- CONTRACTOR TO REFER TO CITY OF LAKE WORTH STANDARD DETAILS FOR UTILITY PAVEMENT RESTORATION DETAILS.
- STORM PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE), UNLESS OTHERWISE NOTED.
- IF ANY EXISTING STORM DRAINAGE STRUCTURES AND PIPES TO REMAIN IN SERVICE ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR THOSE STRUCTURES TO PRIOR CONDITION, OR BETTER, OR TO REPLACE THEM, AS NECESSARY.
- ALL STORM PIPES ENTERING STRUCTURES SHALL BE GROUTED TO ENSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING FRAME AND COVER. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE SURROUNDING GRADE.

LEGEND



JOINT LAYOUT NOTE:

JOINT LAYOUT TO BE PROVIDED BY CONTRACTOR AND SENT TO EOR FOR CONCURRENCE. CONTRACTOR TO INCLUDE PROVISIONS OF MAXIMUM JOINT SPACING OF 8 FT WIDE SLAB. JOINT DETAIL TO FOLLOW AMERICAN CONCRETE INSTITUTE FOR JOINT LAYOUT PROCEDURE.

CONTRACTOR SHALL ENSURE ALL SITE PREPARATION REQUIREMENTS ARE MET AS DICTATED IN THE GEOTECHNICAL REPORT

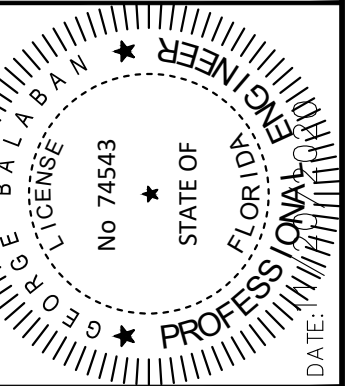
ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 ADD 1.52 FEET.

Always call 811 two full business days before you dig



NO.	REVISIONS	DATE	BY

Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

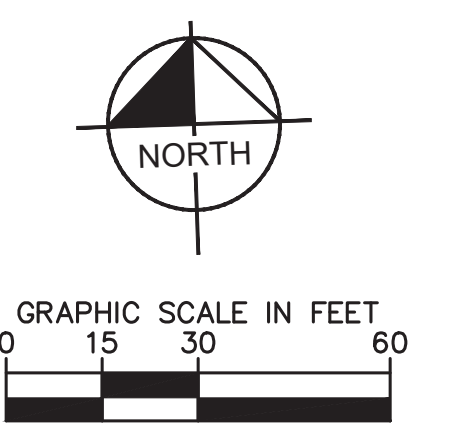
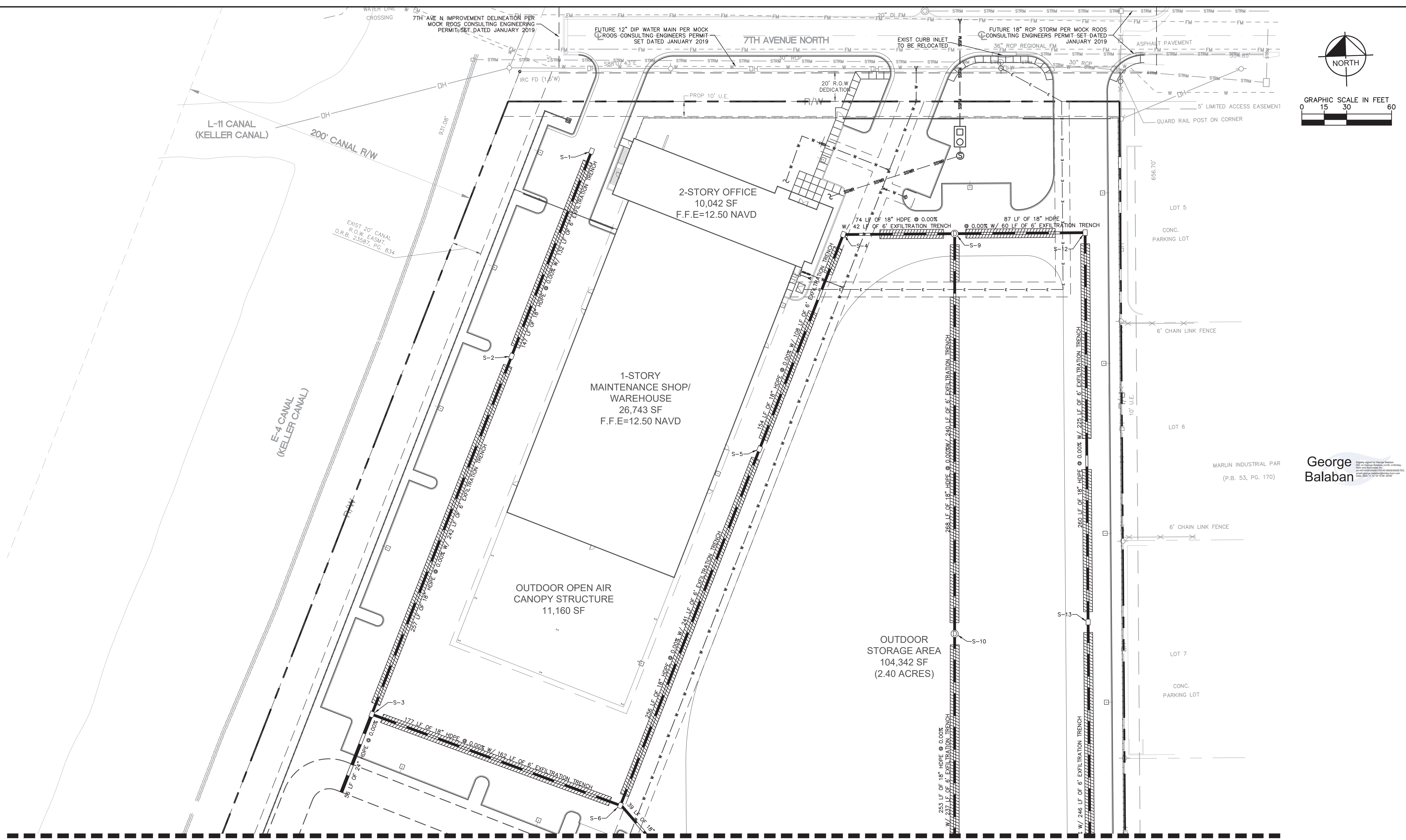


KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LAKE WORTH BEACH FLORIDA

SHEET NUMBER C-201

Plotted By: Beniciozor, Marcell - Sheet Set: DOKA LAKE WORTH - Layout: C-202 DRAINAGE PLAN - November 12, 2020 - 03:26:10pm - C:\Users\Marcell.Beniciozor\Desktop\Docka\ADD_Plansheets\C-202_DRAINAGE_PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

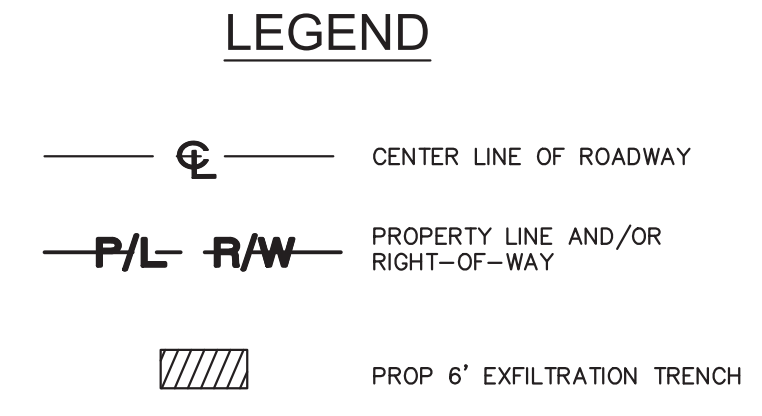


George Balaban
 Registered Professional Engineer
 No. 74543
 State of Florida
 License No. 12119-0000-0000

SEE SHEET C-203 - DRAINAGE PLAN FOR CONTINUATION

- ADA NOTES:**
- ALL HANDICAPPED PARKING SPACES AND ACCESS AISLES ADJACENT TO THE HANDICAP PARKING SPACES SHALL HAVE A MAXIMUM OF 2% SLOPE IN ALL DIRECTIONS (THIS INCLUDES RUNNING SLOPE AND CROSS SLOPE).
 - AN ACCESSIBLE ROUTE FROM THE PUBLIC STREET OR SIDEWALK TO THE BUILDING'S ENTRANCE MUST BE PROVIDED. THIS ACCESSIBLE ROUTE SHALL BE A MINIMUM OF 60" WIDE. THE RUNNING SLOPE OF AN ACCESSIBLE ROUTE SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%.
 - SLOPES EXCEEDING 5% BUT LESS THAN 8% WILL REQUIRE A RAMP AND MUST CONFORM TO THE REQUIREMENTS FOR RAMP DESIGN (HANDRAILS, CURBS, LANDINGS). NO RAMP SHALL EXCEED AN 8% RUNNING SLOPE OR 2% CROSS SLOPE.
 - IN THE CASE THAT A NEW SIDEWALK WILL BE CONSTRUCTED IN THE R/W OF A SITE, THE RUNNING SLOPE OF THE SIDEWALK SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%. THIS STANDARD APPLIES TO CROSS WALKS IN THE DRIVEWAY AS WELL AND WILL REQUIRE SPECIAL ATTENTION DURING STAKING TO MAKE SURE THE 2% CROSS SLOPE IS MET IN THE CROSS WALK.
 - IT WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT THE HANDICAP PARKING SPACES, ACCESSIBLE ROUTES, AND SIDEWALKS/CROSSWALKS ARE CONSTRUCTED TO MEET ADA REQUIREMENTS.
 - ANY REQUIREMENTS LISTED ABOVE THAT CAN NOT BE MET SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. ANYTHING NOT BUILT TO THE ABOVE STANDARDS WILL REQUIRE REMOVAL AND REPLACEMENT OF THE NON COMPLIANT AREAS AT THE GENERAL CONTRACTOR'S COST.
 - ALL CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND THE FLORIDA ACCESSIBILITY CODE.

- GENERAL NOTES:**
- ALL ELEVATIONS LISTED ON PLANS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
 - CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR TO NOTIFY ENGINEER OF ANY CONFLICTS.
 - IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
 - CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CITY OF LAKE WORTH ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
 - CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY OF THE POWER LINES.
 - CONTRACTOR TO ADJUST ANY MANHOLE RIMS AND VALVE LIDS TO MATCH PROPOSED GRADES.
 - CONTRACTOR TO REFER TO CITY OF LAKE WORTH STANDARD DETAILS FOR UTILITY PAVEMENT RESTORATION DETAILS.
 - STORM PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE), UNLESS OTHERWISE NOTED.
 - IF ANY EXISTING STORM DRAINAGE STRUCTURES AND PIPES TO REMAIN IN SERVICE ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THOSE STRUCTURES TO PRIOR CONDITION, OR BETTER, OR TO REPLACE THEM, AS NECESSARY.
 - ALL STORM PIPES ENTERING STRUCTURES SHALL BE GROUTED TO ENSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
 - ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING FRAME AND COVER. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE SURROUNDING GRADE.

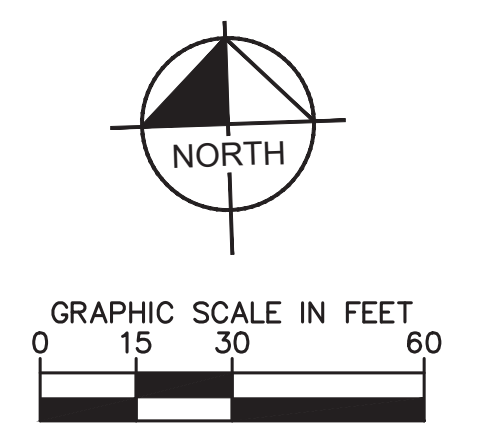
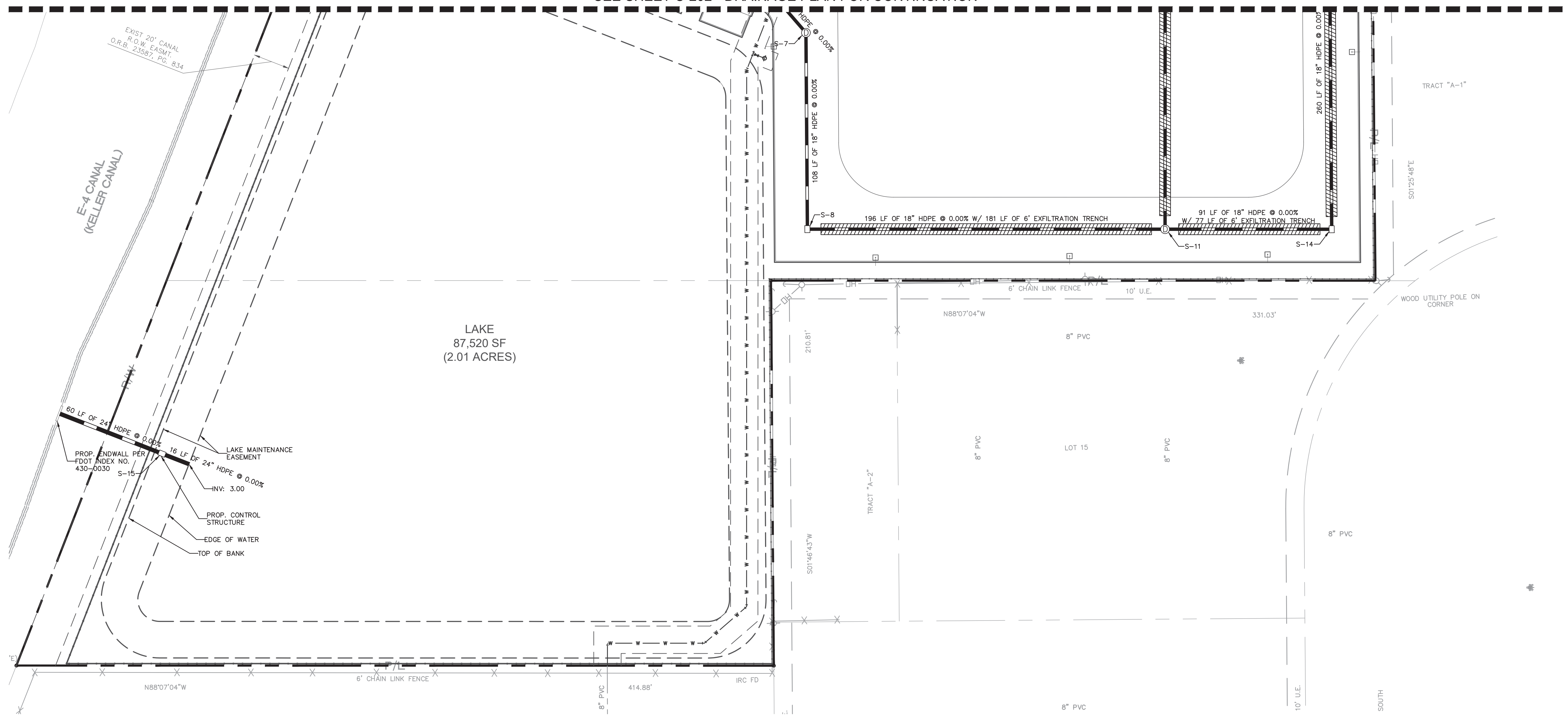


Always call 811 two full business days before you dig

Kimley»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM CA 00000696	REVISIONS No. _____ DATE: _____
	KHA PROJECT 143189000 DATE 9/2/2020 SCALE AS SHOWN DESIGNED BY GB DRAWN BY MB CHECKED BY GB DATE: _____
DRAINAGE PLAN	
OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD. FLORIDA LAKE WORTH BEACH	
SHEET NUMBER C-202	

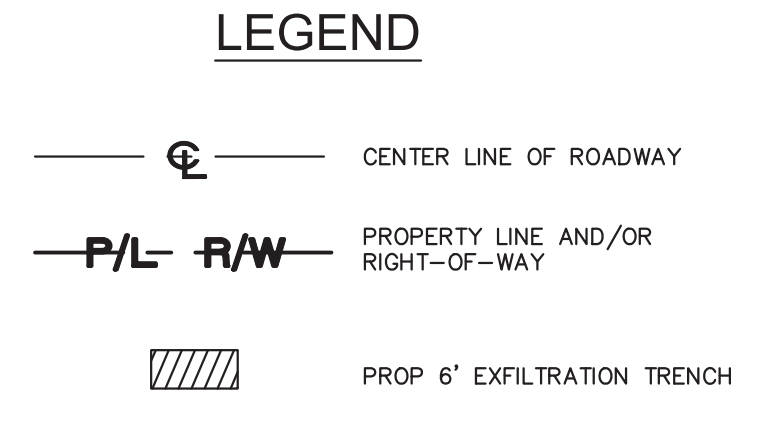
Plotted By: Benolozor, Marcel - Sheet Set: DOKA LAKE WORTH - Layout: C-203 DRAINAGE PLAN - November 12, 2020 - 03:26:10pm - C:\Users\Marcel.Benolozor\Desktop\Projects\CADD\PlanSheets\C-203 DRAINAGE PLAN.dwg
 This document, together with the concepts and designs presented herein, is an instrument of service, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SEE SHEET C-202 - DRAINAGE PLAN FOR CONTINUATION



- ADA NOTES:**
- ALL HANDICAPPED PARKING SPACES AND ACCESS AISLES ADJACENT TO THE HANDICAP PARKING SPACES SHALL HAVE A MAXIMUM OF 2% SLOPE IN ALL DIRECTIONS (THIS INCLUDES RUNNING SLOPE AND CROSS SLOPE).
 - AN ACCESSIBLE ROUTE FROM THE PUBLIC STREET OR SIDEWALK TO THE BUILDING'S ENTRANCE MUST BE PROVIDED. THIS ACCESSIBLE ROUTE SHALL BE A MINIMUM OF 60" WIDE. THE RUNNING SLOPE OF AN ACCESSIBLE ROUTE SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%.
 - SLOPES EXCEEDING 5% BUT LESS THAN 8% WILL REQUIRE A RAMP AND MUST CONFORM TO THE REQUIREMENTS FOR RAMP DESIGN (HANDRAILS, CURBS, LANDINGS). NO RAMP SHALL EXCEED AN 8% RUNNING SLOPE OR 2% CROSS SLOPE.
 - IN THE CASE THAT A NEW SIDEWALK WILL BE CONSTRUCTED IN THE R/W OF A SITE, THE RUNNING SLOPE OF THE SIDEWALK SHALL NOT EXCEED 5% AND THE CROSS SLOPE SHALL NOT EXCEED 2%. THIS STANDARD APPLIES TO CROSS WALKS IN THE DRIVEWAY AS WELL AND WILL REQUIRE SPECIAL ATTENTION DURING STAKING TO MAKE SURE THE 2% CROSS SLOPE IS MET IN THE CROSS WALK.
 - IT WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT THE HANDICAP PARKING SPACES, ACCESSIBLE ROUTES, AND SIDEWALKS/CROSSWALKS ARE CONSTRUCTED TO MEET ADA REQUIREMENTS.
 - ANY REQUIREMENTS LISTED ABOVE THAT CAN NOT BE MET SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. ANYTHING NOT BUILT TO THE ABOVE STANDARDS WILL REQUIRE REMOVAL AND REPLACEMENT OF THE NON COMPLIANT AREAS AT THE GENERAL CONTRACTOR'S COST.
 - ALL CONSTRUCTION TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND THE FLORIDA ACCESSIBILITY CODE.

- GENERAL NOTES:**
- ALL ELEVATIONS LISTED ON PLANS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
 - CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR TO NOTIFY ENGINEER OF ANY CONFLICTS.
 - IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO TAKE THE NECESSARY PRECAUTIONS TO ENSURE PROPER SAFETY AND WORKMANSHIP WHEN WORKING IN THE VICINITY OF EXISTING UTILITY LINES.
 - CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH CITY OF LAKE WORTH ON ANY WORK IN THE VICINITY OF OVERHEAD OR UNDERGROUND POWER LINES.
 - CONTRACTOR SHALL VERIFY PROPER CLEARANCE BELOW EXISTING OVERHEAD POWER LINES PRIOR TO WORKING WITHIN THE VICINITY THE POWER LINES.
 - CONTRACTOR TO ADJUST ANY MANHOLE RIMS AND VALVE LIDS TO MATCH PROPOSED GRADES.
 - CONTRACTOR TO REFER TO CITY OF LAKE WORTH STANDARD DETAILS FOR UTILITY PAVEMENT RESTORATION DETAILS.
 - STORM PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE), UNLESS OTHERWISE NOTED.
 - IF ANY EXISTING STORM DRAINAGE STRUCTURES AND PIPES TO REMAIN IN SERVICE ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THOSE STRUCTURES TO PRIOR CONDITION, OR BETTER, OR TO REPLACE THEM, AS NECESSARY.
 - ALL STORM PIPES ENTERING STRUCTURES SHALL BE GROUTED TO ENSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
 - ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING FRAME AND COVER. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE SURROUNDING GRADE.



George Balaban
 Professional Engineer
 No. 74543
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

NO.	REVISIONS	DATE	BY

Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB
DATE:	

DRAINAGE PLAN

OFFICE/INDUSTRIAL FACILITY
 PREPARED FOR
UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH FLORIDA

Always call 811 two full business days before you dig

SHEET NUMBER
C-203

Plotted By: Beniciozzer, Marcel - Sheet: DOKA LAKE WORTH - Layout: C-205 PAVING GRADING AND DRAINAGE DETAILS - November 12, 2020 - 03:26:18pm - C:\Users\Beniciozzer\Desktop\Boka CAD\Drawings\C-205 PAVING GRADING AND DRAINAGE DETAILS.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TYPE E

TYPE F

VALLEY GUTTER (DROP CURB)

NOTES:

- ULTIMATE STRENGTH OF CONCRETE FOR CURBS AND GUTTERS SHALL BE 3,000 P.S.I. @ 28 DAYS.
- 1/8"-1/4" CONTRACTION JOINTS IN CURB AND GUTTER SHALL BE CUT AS SHOWN AND AT 10 FT. MAXIMUM SPACING. NO SECTION SHALL BE LESS THAN 4 FT.
- WHEN PAVEMENT IS CONCRETE, PROVIDE A 1/2" EXPANSION JOINT WITH PRE-FORMED JOINT FILLER & JOINT SEAL BETWEEN CURB AND CONCRETE PAVEMENT. (1-1/2" TAPER ON CURB FACE NOT REQUIRED AT CONCRETE PAVEMENT.)
- WHEN USED ON HIGH EDGE OF PAVEMENT, THE CROSS SLOPE OF TYPES "E", "F", AND VALLEY GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT EDGE OF PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6" MINIMUM UNLESS OTHERWISE SHOWN ON PLANS. THE SURFACE ON THE LOW EDGE OF PAVEMENT TO BE 1/4" ABOVE LIP OF GUTTER. SURFACE ON HIGH EDGE OF PAVEMENT TO BE FLUSH WITH LIP OF CURB AND GUTTER. IF BOTH EDGES ARE AT SAME ELEVATION, SURFACE SHALL BE FLUSH.
- ENDS OF TYPE "E" & "F" CURBING SHALL TRANSITION FROM FULL HEIGHT TO FLUSH IN 3 FEET.
- THE MINIMUM CONSTRUCTED FLOWLINE GRADIENT FOR STREET DRAINAGE UTILIZING CURB & GUTTER OR VALLEY GUTTER SHALL BE 0.20%.
- REFER TO FDOT INDEX 300 FOR ADDITIONAL INFORMATION.
- CONCRETE CURBING SHALL BE CONSTRUCTED ON A 4" THICK BASEROCK CURB PAD

NOTE: 2% MAX. SLOPE FOR PEDESTRIAN PATHWAYS, 12% MAX. SLOPE FOR DRIVEWAYS

CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT **CONCRETE CURB AND GUTTER** **05**

SECTION A-A

SECTION B-B

CONCRETE WALK CONSTRUCTION

NOTE:

- ALL SIDEWALKS SHALL BE CONSTRUCTED THROUGH DRIVEWAYS.
- ALL SIDEWALKS SHALL INCLUDE ADA COMPLIANT RAMP @ INTERSECTIONS.
- CONCRETE SHALL BE BROOM FINISHED WITH EVEN DUSTLESS SURFACE.

TABLE OF SIDEWALK THICKNESS - "T"	
RESIDENTIAL AREAS	4"
WITHIN 10' OF CROSS-STREETS, AT DRIVEWAYS & OTHER AREAS	6"

TABLE OF SIDEWALK WIDTHS - "W"	
STANDARD WIDTH	5'
OTHER AREAS AS SPECIFIED BY THE CITY ENGINEER.	

CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT **CONCRETE WALK** **07**

CONCRETE BUMPER GUARD

MONOLITHIC CURB AND WALK DETAIL

NOTE:

- TO BE USED IN PARKING AREAS & WHERE TYPE "F" CURB & GUTTER IS NOT REQUIRED.

CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT **CONCRETE BUMPER GUARD AND MONOLITHIC CURB AND WALK** **08**

STOP SIGN AND STOP BAR

NOTES:

- STOP SIGN PLACEMENT SHALL BE AT RADIUS, WHEN POSSIBLE (6" MINIMUM / 30" MAXIMUM FROM THROUGHFARE).
- AT CURBED LOCATIONS, SIGN SHALL BE 2' FROM EDGE OF SIGN TO FACE OF CURB. AT UNCURBED LOCATIONS, SIGN SHALL BE 6" TO 12" FROM EDGE OF PAVEMENT. WHERE SIDEWALK ABUTS CURB, SIGN SHALL BE PLACED IN SIDEWALK AS SHOWN.
- STOP BAR AND STOP SIGN SHALL BE PLACED ADJACENT TO EACH OTHER, WHEN POSSIBLE. WHEN A CROSSWALK IS PRESENT, THE STOP BAR SHALL BE PLACED 4' CLEAR FROM CROSSWALK STRIPING.
- FLAT BLADE: ALCOA #86054.6063-T6 ALLOY, ETCHED, DEGREASED WITH #1200 ALDOLINE FINISH WITH #3877 GREEN HIGH INTENSITY BACKGROUND AND EQUAL DIMENSIONS - 9" & 12" MIN. H. 24", 30" OR 36" L.
- LETTERS: NAME - 6" & 9" SERIES "B" #3870 HIGH INTENSITY (SILVER) OR EQUAL - SUFFIX - 4" SERIES AS ABOVE
- 9" BLADES WITH 6" LETTERS FOR TWO LANE ROADS WITH A SPEED LIMIT UNDER 45 MPH.
- 12" BLADES WITH 9" LETTERS:
 - THROUGHFARE ROADS FOUR LANES OR WIDER.
 - TWO LANE ROADS WITH A POSTED SPEED LIMIT OF 45 MPH OR MORE.
 - ONLY ONE BLADE WILL BE USED INDICATING THE SIDE STREET NAME.

CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT **STOP SIGN AND STOP BAR** **09**

STREET SIGN DETAIL RT 2.1a

GENERAL SPECIFICATIONS:

- BLADE:** ALCOA NO.86054.6063-T6 ALLOY, ETCHED, DEGREASED, AND DEBURRED WITH NO.1200 ALDOLINE FINISH WITH HIGH INTENSITY GREEN BACKGROUND DIMENSIONS: 6" OR 9" IN HEIGHT, AND 24", 30", OR 36" IN LENGTH
- LETTERS:** NAME 4" SERIES "B" HIGH INTENSITY (SILVER) SUFFIX 2" SERIES "B" HIGH INTENSITY (SILVER) ALL LETTERS FOR SIGNS ALONG COLLECTOR OR ARTERIAL ROADWAYS SHALL BE 7" SERIES "B" WITH 4" SERIES "B" SUFFIX ON 9" HIGH BLADES.
- POST:** STEEL FLANGED GALVANIZED CHANNEL PER A.S.T.M. A123 WITHOUT ANCHOR PLATES.
- BRACKETS:** DIE CAST HIGH STRENGTH ALUMINUM ALLOY, MIN. TENSILE STRENGTH 45,000 P.S.I., DEGREASED, TUMBLED, AND POLISHED SIDES OF ALL SLOTS SHALL BE SOLID METAL WITH TWO HOLES PER SLOT (SAME SIDE) DRILLED TO 7/32" AND TAPPED TO 1/4" TO RECEIVE STAINLESS STEEL ALLENHEAD SET SCREWS. SKIRT OF POST CAP BRACKET TO BE DRILLED AND TAPPED FOR 3 SCREWS OF WHICH NO TWO IS TO BE LESS THAN 90° OR MORE THAN 135° APART. (METRO HUSKEY NO.6 OR EQUAL.)

CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT **STREET SIGN DETAIL** **10**

STREET SIGN DETAIL

NOTES:

- ALL SIGNS SHALL BE SPECIFIED USING THE M.U.T.C.D. DESIGNATION.
- ALL SIGNS SHALL BE FACED WITH HIGH INTENSITY SHEETING MATERIAL OR BETTER.
- SIGNS SHALL BE MANUFACTURED WITH 0.080" ALUMINUM BLANK.
- POSTS SHALL BE GALVANIZED CHANNEL AT 2 LBS./L.F.
- USE SHALL FOLLOW THE M.U.T.C.D. AND F.D.O.T. STANDARD DESIGN SPECIFICATIONS
- ANY DEVIATION FROM THIS TYPICAL SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
- REFLECTIVE POSTS MAY BE USED IF M.U.T.C.D. STANDARD IS FOLLOWED.

CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT **STREET SIGN DETAIL** **11**

CROSSWALK STRIPING

STANDARD CROSSWALK

SCHOOL CROSSWALK

NOTES:

- STANDARD CROSSWALK STRIPING TO BE INSTALLED IN THE FOLLOWING LOCATIONS:
 - ALONG COLLECTORS OR ARTERIALS
 - BIKE PATH CROSSINGS
 - CROSS WALKS WITH HIGH EXPECTED PEDESTRIAN VOLUME
 - SCHOOL ACCESS ROUTES
- SIGNING REQUIRED AS PER FDOT STANDARDS
- SCHOOL CROSSWALK STRIPING TO BE USED ONLY AT DESIGNATED SUPERVISED SCHOOL CROSSING
- SIGNS AND ADVANCED PAVEMENT MESSAGES TO BE DESIGNED AND INSTALLED PER FDOT STANDARDS

CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT **CROSSWALK STRIPING** **12**

PAVEMENT MARKING SPECIFICATIONS

PERMANENT MARKINGS

TEMPORARY MARKINGS

INSTALLATION:

- All markings shall be installed by the extruded method.
- Markings shall be free of weaves, bows, drips, drags, and other degrading items.
- Chalk shall be used for all layout markings

MATERIALS:

- All materials shall be alkyd or hydrocarbon thermoplastic meeting all FDOT specifications.

THICKNESS:

- All markings shall be installed to yield 90 mils of material measured above the pavement surface.

SPHERES:

- Reflective glass spheres are to be applied to all stripes and markings per FDOT specifications.

ALTERNATE MATERIAL:

- STAYMARK marking tape, or equivalent may be used, as approved or directed by the City Engineer.

LAYOUT:

- Layout shall be made using marking chalk.
- It is recommended that marking layout be inspected by the City Engineer prior to the placement of final markings.

FINAL PAVEMENT SURFACE:

- Only foil backed marking tape is allowed.
- All tape shall be totally removed concurrent with permanent marking placement.

OTHER PAVEMENT SURFACES:

- Intermediate pavement surfaces may be marked with FDOT approved materials, designs, and specifications.

CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT **PAVEMENT MARKING SPECIFICATIONS** **13**

Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 0000696

PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE NO. 74543

PAVING GRADING AND DRAINAGE DETAILS
 OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH FLORIDA

KHA PROJECT 143189000
 DATE 9/2/2020
 SCALE AS SHOWN
 DESIGNED BY GB
 DRAWN BY MB
 CHECKED BY GB

SHEET NUMBER C-205

Plotted By: Benicioz, Marcel - Sheet: Set: DOKA, LAKE WORTH - Layout: C-206 - PAVING GRADING AND DRAINAGE DETAILS - November 12, 2020 - 03:26:20pm - C:\Users\Marcel.Benicioz\Desktop\Doka\CADD\Plan sheets\C-206 - PAVING GRADING AND DRAINAGE DETAILS.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

ALL PAVEMENT MARKINGS

All paved surfaces shall be properly marked prior to the hours of darkness.

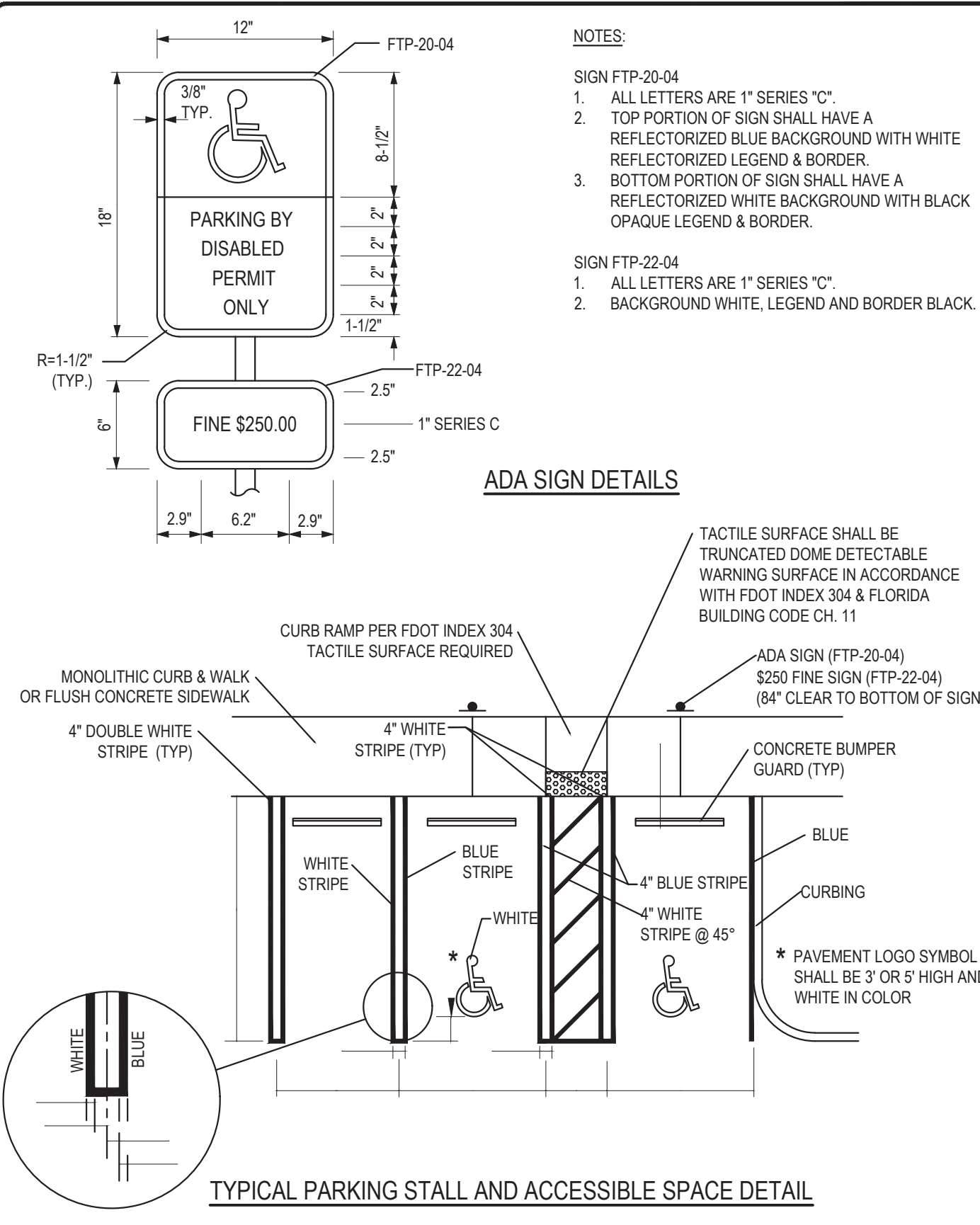
RAISED PAVEMENT MARKERS

- R.P.M.s shall be installed on all lane lines and centerlines, spaced at 20' or 40'.
- R.P.M.s shall be a 4 x 4 type class "B" marker meeting F.D.O.T. specifications and shall be approved by the City Engineer prior to use.
- R.P.M.'s shall be installed using alkyl thermoplastic on asphalt and epoxy on concrete.

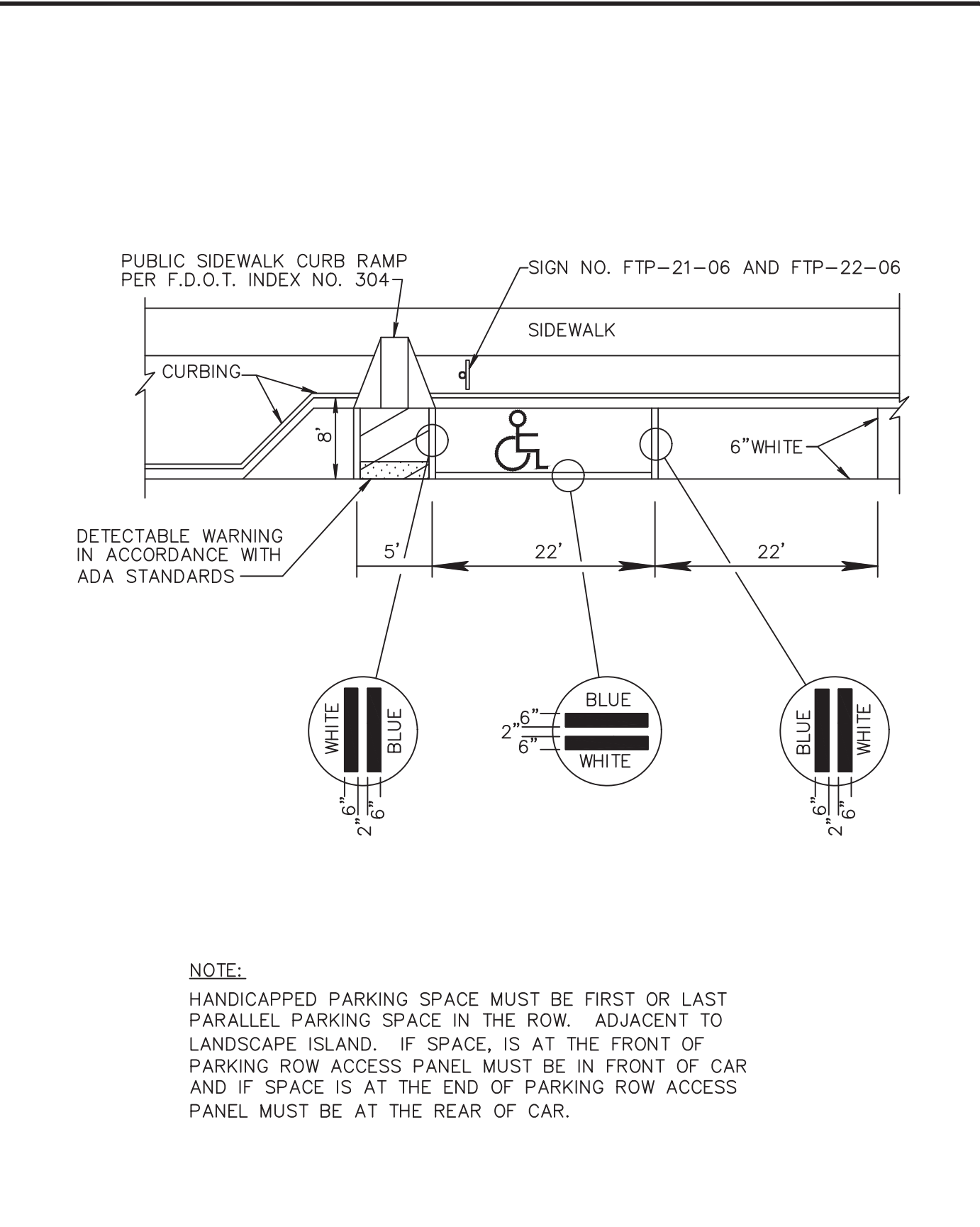
OTHER NOTES

- All Materials within right-of-way shall be thermoplastic and per F.D.O.T. specifications.
- Pavement marking within private parking lots may be painted according to F.D.O.T. specifications, except for all stop bars adjacent to public right-of-way.

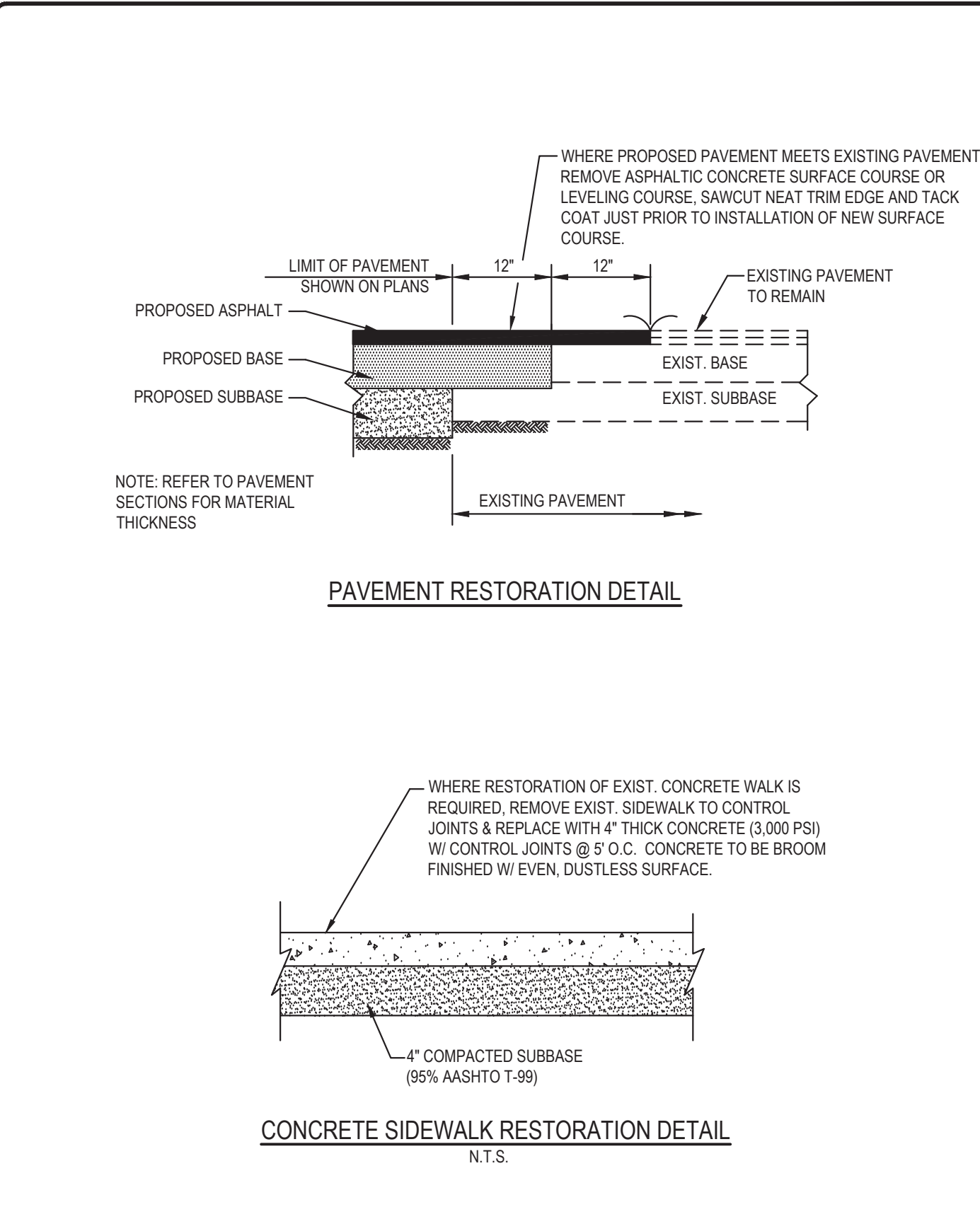
CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT PAVEMENT MARKING SPECIFICATIONS 14



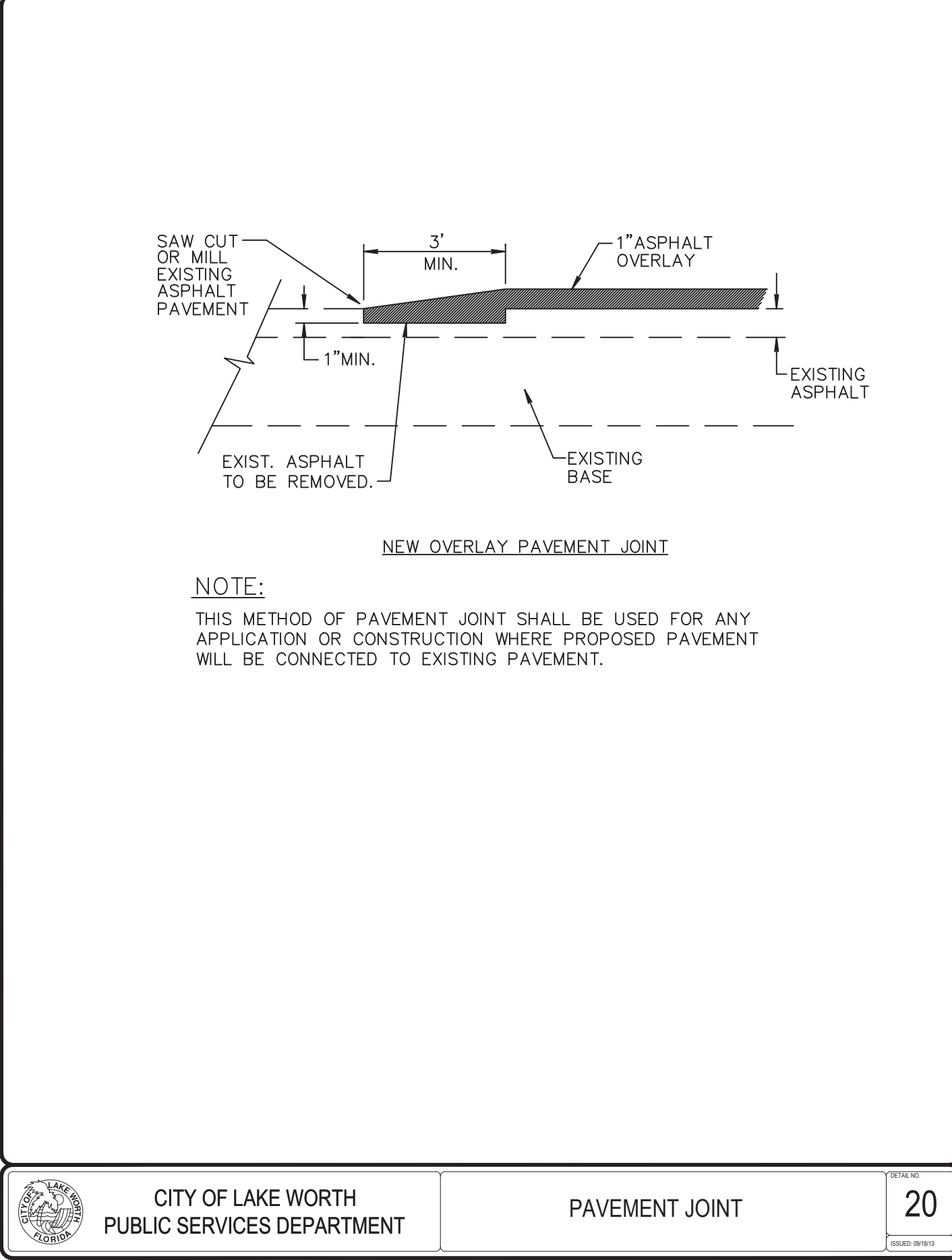
CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT ACCESSIBLE PARKING SIGNAGE AND PAVEMENT MARKINGS 15



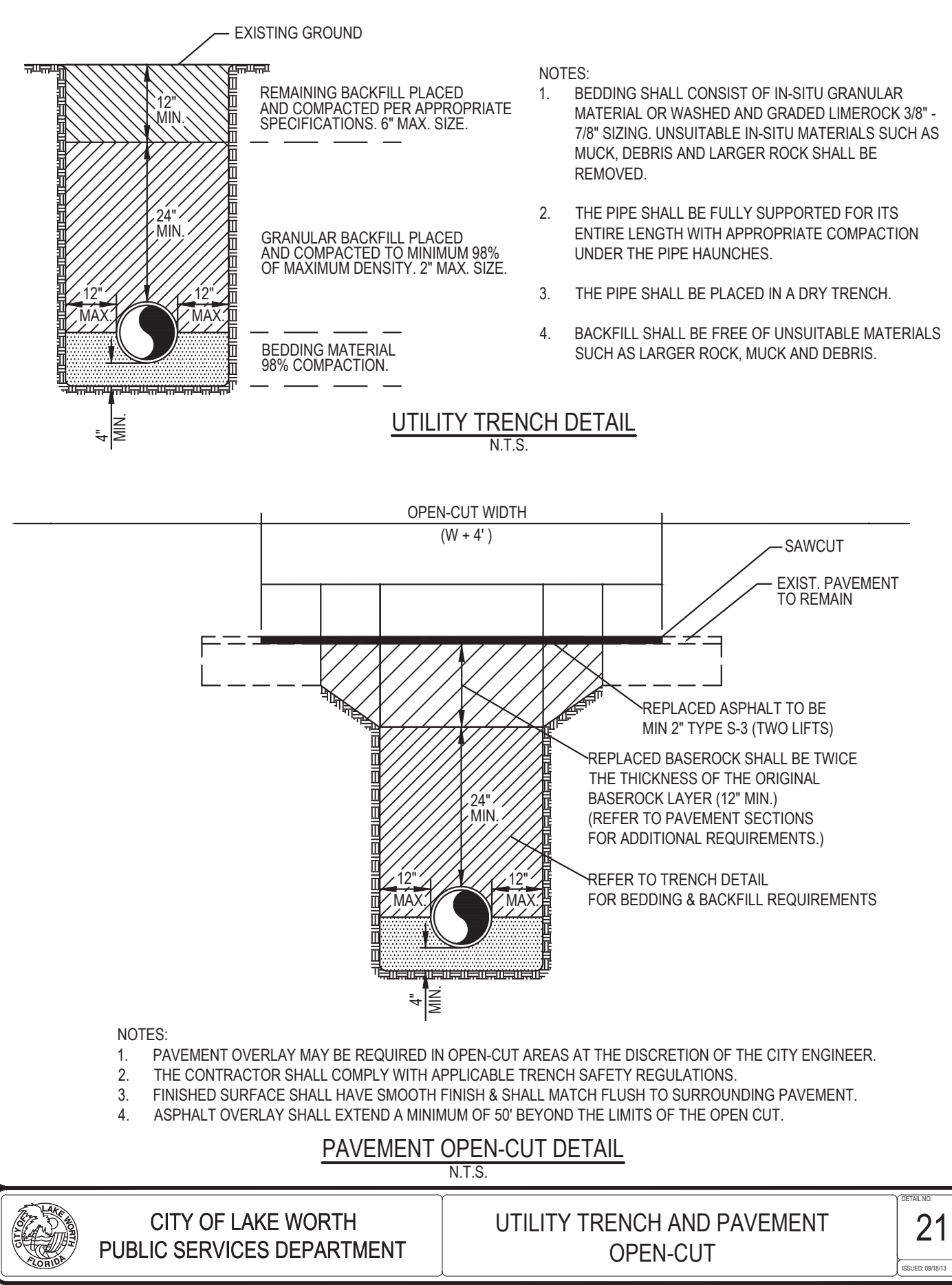
CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT TYPICAL PARKING SPACES 16



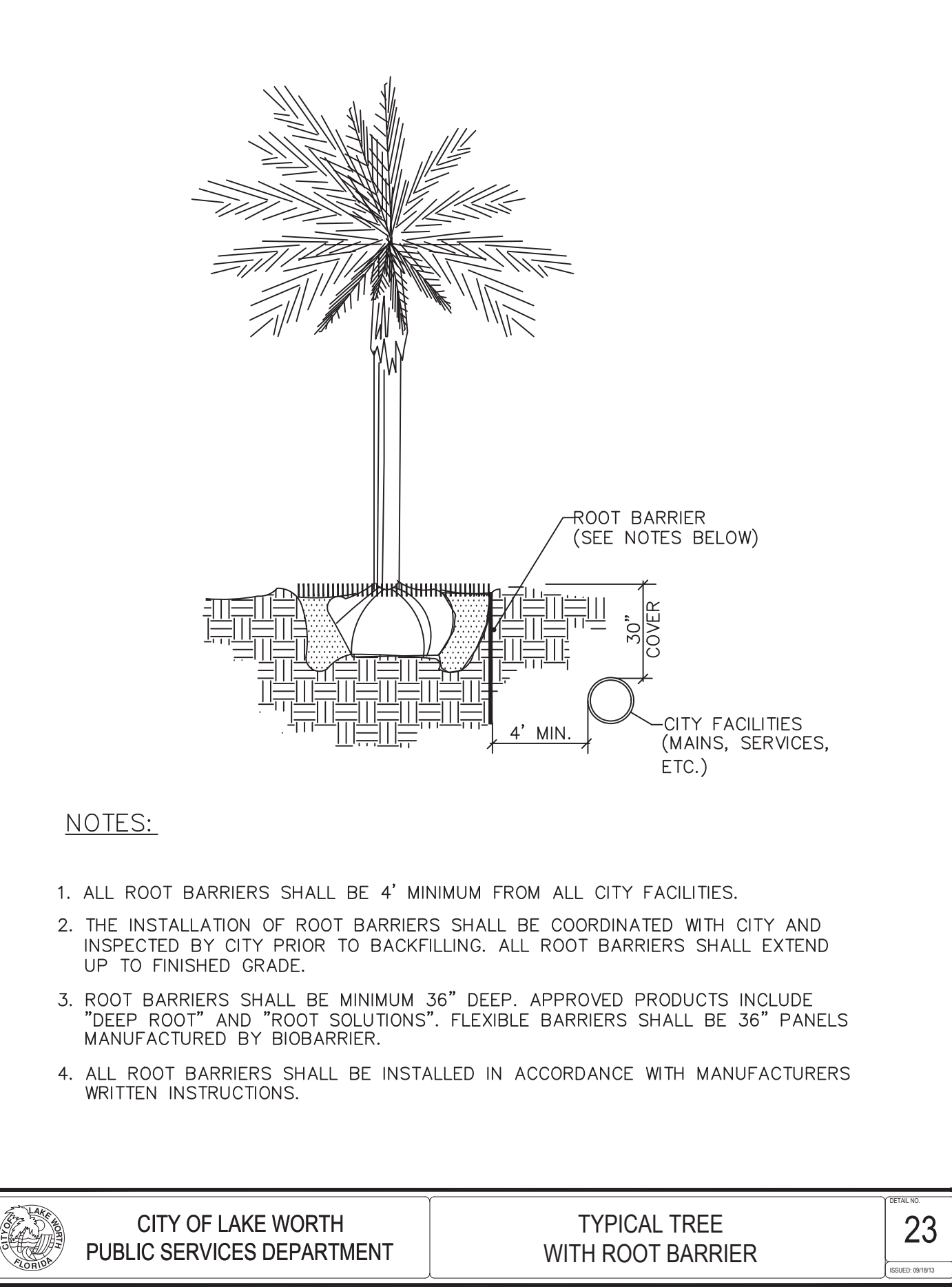
CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT PAVEMENT AND SIDEWALK RESTORATION 19



CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT PAVEMENT JOINT 20



CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT UTILITY TRENCH AND PAVEMENT OPEN-CUT 21



CITY OF LAKE WORTH PUBLIC SERVICES DEPARTMENT TYPICAL TREE WITH ROOT BARRIER 23

George Balaban

NO.	REVISIONS	DATE	BY

Kimley-Horn

© 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

STATE OF FLORIDA PROFESSIONAL ENGINEER
 No. 74543
 DATE: 9/2/2020

KHA PROJECT	143189000
DATE	9/2/2020
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB

PAVING GRADING AND DRAINAGE DETAILS

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD. LAKE WORTH BEACH FLORIDA

Always call 811 two full business days before you dig

Sunshine811.com

SHEET NUMBER C-206

Plotted By: Beniciozor, Marcell - Sheet Set: DOKA LAKE WORTH - Layout: C-207 PAVING GRADING AND DRAINAGE DETAILS - November 12, 2020 03:26:20pm - C:\Users\Marcell.Beniciozor\Desktop\Doka\CADD\Plan sheets\C-207 PAVING GRADING AND DRAINAGE DETAILS.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

U.S. FOUNDRY FRAME & GRATE NO. 4155-6209 (OR APPROVED EQUAL) RIM ELEV. (SEE PLAN)

BRICK TO GRADE (2) COURSES MINIMUM (4) COURSES MAXIMUM BRICK TO BE RED ROMAN W/ NO HOLES

HOLES FOR PIPING SHALL BE 6" LARGER THAN PIPE O.D. AND SHALL BE CAST AT TIME OF FABRICATION.

STANDARD HOOKS TIED UNDER BASE STEEL

TYPE	"A"	"B"	"C"	"D"	"E"	"F"
C-4	4'-0" Ø	8"	8"	# 4 @ 12" C.C.E.W.	# 4 @ 12" C.C.E.W.	6'-4" Ø
C-5	5'-0" Ø	8"	8"	# 5 @ 12" C.C.E.W.	# 5 @ 12" C.C.E.W.	7'-4" Ø
C-6	6'-0" Ø	8"	8"	# 5 @ 12" C.C.E.W.	# 5 @ 8" C.C.E.W.	8'-4" Ø
C-7	7'-0" Ø	8"	8"	# 5 @ 12" C.C.E.W.	# 5 @ 8" C.C.E.W.	9'-4" Ø
C-8	8'-0" Ø	10"	10"	2- W.W.M. w # 4 @ 12" C.C. VERT	# 5 @ 8" C.C.E.W.	10'-8" Ø

PRECAST CIRCULAR CATCH BASIN
SCALE: NONE

ADDITIONAL REINFORCING BARS - SIZE "H"

TYPE	"A"	"C"	"G"	"H"
C-4	4'-0" Ø	8"	5'-4" Ø	# 4 @ 6" C.C.E.W.
C-5	5'-0" Ø	8"	6'-4" Ø	# 5 @ 8" C.C.E.W.
C-6	6'-0" Ø	8"	7'-4" Ø	# 5 @ 8" C.C.E.W.
C-7	7'-0" Ø	8"	8'-4" Ø	# 5 @ 8" C.C.E.W.
C-8	8'-0" Ø	10"	9'-4" Ø	# 5 @ 8" C.C.E.W.

PRECAST CONCRETE-TOP SLAB
SCALE: NONE

U.S. FOUNDRY FRAME & GRATE NO. 5150-6168 (OR APPROVED EQUAL) RIM ELEV. (SEE PLAN)

BRICK TO GRADE (2) COURSES MINIMUM (4) COURSES MAXIMUM BRICK TO BE RED ROMAN W/ NO HOLES

HOLES FOR PIPING SHALL BE 6" LARGER THAN PIPE O.D. AND SHALL BE CAST AT TIME OF FABRICATION.

STANDARD HOOKS TIED UNDER BASE STEEL

TYPE	"A"	"B"	"C"	"D"	"E"	"F"
C-4	4'-0" Ø	8"	8"	# 4 @ 12" C.C.E.W.	# 4 @ 12" C.C.E.W.	6'-4" Ø
C-5	5'-0" Ø	8"	8"	# 5 @ 12" C.C.E.W.	# 5 @ 12" C.C.E.W.	7'-4" Ø
C-6	6'-0" Ø	8"	8"	# 5 @ 12" C.C.E.W.	# 5 @ 8" C.C.E.W.	8'-4" Ø
C-7	7'-0" Ø	8"	8"	# 5 @ 12" C.C.E.W.	# 5 @ 8" C.C.E.W.	9'-4" Ø
C-8	8'-0" Ø	10"	10"	2- W.W.M. w # 4 @ 12" C.C. VERT	# 5 @ 8" C.C.E.W.	10'-8" Ø

PRECAST CIRCULAR CURB INLET
SCALE: NONE

ADDITIONAL REINFORCING BARS - SIZE "H"

TYPE	"A"	"C"	"G"	"H"
M-4	4'-0" Ø	8"	5'-4" Ø	# 4 @ 6" C.C.E.W.
M-5	5'-0" Ø	8"	6'-4" Ø	# 5 @ 8" C.C.E.W.
M-6	6'-0" Ø	8"	7'-4" Ø	# 5 @ 8" C.C.E.W.
M-7	7'-0" Ø	8"	8'-4" Ø	# 5 @ 8" C.C.E.W.
M-8	8'-0" Ø	10"	9'-4" Ø	# 5 @ 8" C.C.E.W.

PRECAST CONCRETE TOP SLAB FOR DRAINAGE MANHOLES
SCALE: NONE

SAWCUT ASPHALT JOINT (TYP.)

TRENCH WIDTH (W) + 4" SURFACE REPLACEMENT

EXISTING LIMEROCK BASE

REPLACEMENT LIMEROCK BASE

TRENCH WIDTH (W)

REFER TO TRENCH DETAIL FOR SPECIFICATIONS

NOTES:

- REPLACED BASE MATERIAL OVER TRENCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE. MINIMUM 12", MAXIMUM 18".
- BASE MATERIAL SHALL BE PLACED IN 6" MAXIMUM (LOOSE MEASUREMENT) LAYERS AND EACH LAYER THOROUGHLY ROLLED OR TAMPED TO 98% OF MAXIMUM DENSITY, PER AASHTO T-180.
- SUBGRADE MATERIAL SHALL BE GRANULAR AND ANGULAR AND SHALL HAVE A MINIMUM LBR OF 40.
- ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED PARALLEL TO OR PERPENDICULAR TO THE ROADWAY.
- SURFACE TREATED PAVEMENT JOINTS SHALL BE LAPPED.
- SURFACE MATERIAL SHALL BE CONSISTENT WITH THE SURROUNDING SURFACE (MINIMUM 1" THICKNESS).
- BASE MATERIAL SHALL HAVE A MINIMUM LBR OF 100 AND A MINIMUM CARBONATE CONTENT OF 70% (80% FOR LOCAL STREETS).
- IF THE TRENCH IS FILLED TEMPORARILY, IT SHALL BE COVERED WITH A 2" ASPHALTIC CONCRETE PATCH TO KEEP THE FILL MATERIAL FROM RAVELING UNTIL REPLACED WITH A PERMANENT PATCH.
- BACKFILL SHALL BE IN ACCORDANCE WITH DETAIL R-33, EXCEPT AS SHOWN ABOVE.

PAVEMENT RESTORATION DETAIL
SCALE: NONE

GRADE

PROVIDE SAFE TRENCH SLOPE PER OSHA REQUIREMENTS

SEE NOTE 6

8" MAX. LAYERS OR APPROVED METHOD TO ACHIEVE 98% COMPACTION

MAINTAIN TRENCH WIDTH 1" ABOVE TOP OF PIPE

MAXIMUM WATER LEVEL ALLOWABLE DURING CONSTRUCTION

SPRING LINE

8" MAX. LAYERS TO ACHIEVE 98% COMPACTION

UNDISTURBED SOIL

HAUNCHING ZONE

PIPE O.D.

TRENCH WIDTH

NOTES:

- WHERE SOIL CONDITIONS CAN NOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED MEANS OF CONSTRUCTION.
- BEDDING MATERIAL SHALL CONSIST OF WELL GRADED ASTM C33 #67 ROCK (3/4" TO No.4) AND BE PLACED TO SPRING LINE OF PIPE.
- BACKFILL MATERIAL SHALL BE FREE OF MUCK, STUMPS, ROOTS, ROCKS OR OTHER MATERIAL UNACCEPTABLE TO ENGINEER.
- SHEETING WILL BE REQUIRED AS DETERMINED IN THE FIELD.
- REFER TO SPECIFICATIONS FOR EXCAVATION IN MUCK OR OTHER UNSUITABLE MATERIAL.
- COMPACTION PERCENTAGES SHOWN REFER TO AASHTO T-180.
- MECHANICAL PROTECTION NOT ALLOWED BELOW THIS LEVEL (WITHIN 12" OF TOP OF PIPE).
- THOROUGHLY WORK IN AND TAMP THE BEDDING MATERIAL IN THE HAUNCHING ZONE BEFORE PLACING AND COMPACTING REMAINDER OF BACKFILL.

TRENCH DETAIL
SCALE: NONE

U.S. FOUNDRY RING AND COVER, DRAWING NO. 170 RING (TYPE H WITH THE WORD 'STORM' (OR APPROVED EQUAL) GROUT)

BRICK TO GRADE (2) COURSES MINIMUM (4) COURSES MAXIMUM BRICK TO BE RED ROMAN W/ NO HOLES

HOLES FOR PIPING SHALL BE 6" LARGER THAN PIPE O.D. AND SHALL BE CAST AT TIME OF FABRICATION.

STANDARD HOOKS TIED UNDER BASE STEEL

TYPE	"A"	"B"	"C"	"D"	"E"	"F"
M-4	4'-0" Ø	8"	8"	# 4 @ 12" C.C.E.W.	# 4 @ 12" C.C.E.W.	6'-4" Ø
M-5	5'-0" Ø	8"	8"	# 5 @ 12" C.C.E.W.	# 5 @ 12" C.C.E.W.	7'-4" Ø
M-6	6'-0" Ø	8"	8"	# 5 @ 12" C.C.E.W.	# 5 @ 8" C.C.E.W.	8'-4" Ø
M-7	7'-0" Ø	8"	8"	# 5 @ 12" C.C.E.W.	# 5 @ 8" C.C.E.W.	9'-4" Ø
M-8	8'-0" Ø	10"	10"	2- W.W.M. w # 4 @ 12" C.C. VERT	# 5 @ 8" C.C.E.W.	10'-8" Ø

PRECAST CIRCULAR DRAINAGE MANHOLE
SCALE: NONE

1-5/8" x 7-5/16" OPENINGS

18" LEVELING PADS

35 7/8"

7.5/16"

36"

33 1/4"

43 1/2"

4.1/2"

NOTE:

- GRATE TO BE TYPE U.S.F. No. 4155-6209

FRAME AND GRATE DETAIL
SCALE: NONE

George Balaban

Always call 811 two full business days before you dig
Sunshine811.com

REVISIONS
 No. DATE BY

Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 0000696

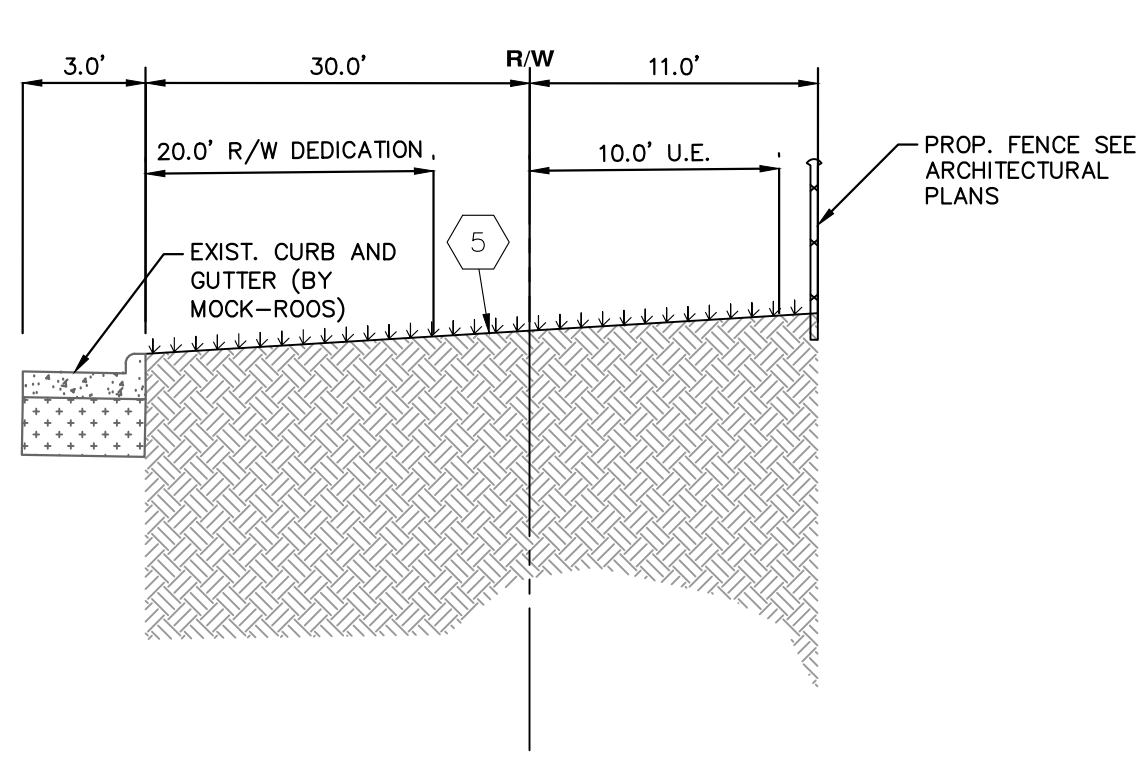
KHA PROJECT 143189000
 DATE 9/2/2020
 SCALE AS SHOWN
 DESIGNED BY GB
 DRAWN BY MB
 CHECKED BY GB

PAVING GRADING AND DRAINAGE DETAILS

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH FLORIDA

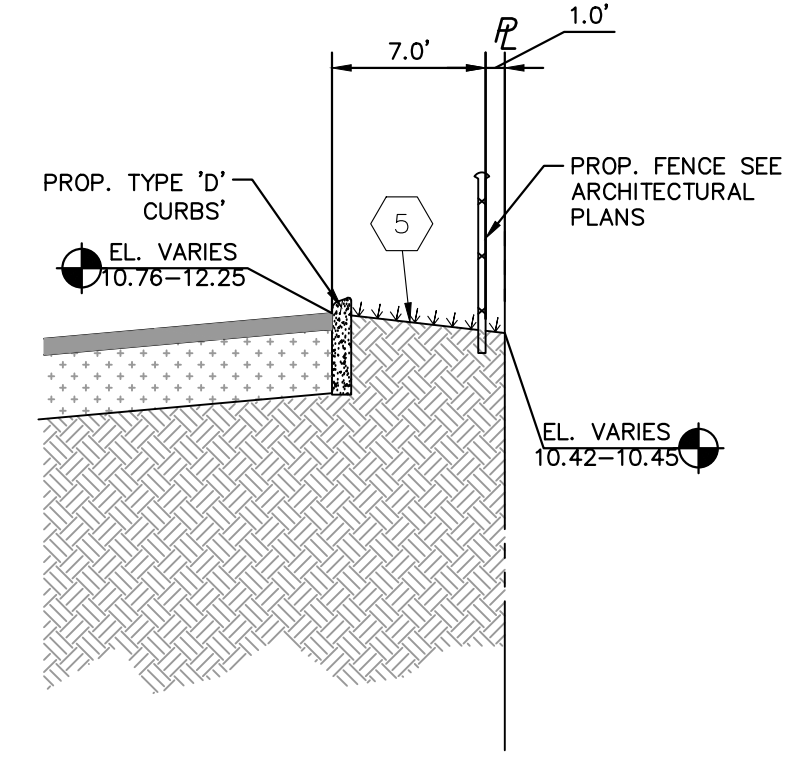
SHEET NUMBER C-207

Plotted By: Benelcozor, Marcel - Sheet Set: DOKA LAKE WORTH - Layout: C-208 PAVING AND GRADING CROSS SECTIONS - November 20, 2020 06:34:11pm - C:\Users\Marcel\BeneCozor\Desktop\Docs\CADD\Plansheets\C-208 PAVING AND GRADING CROSS SECTIONS.dwg
 This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



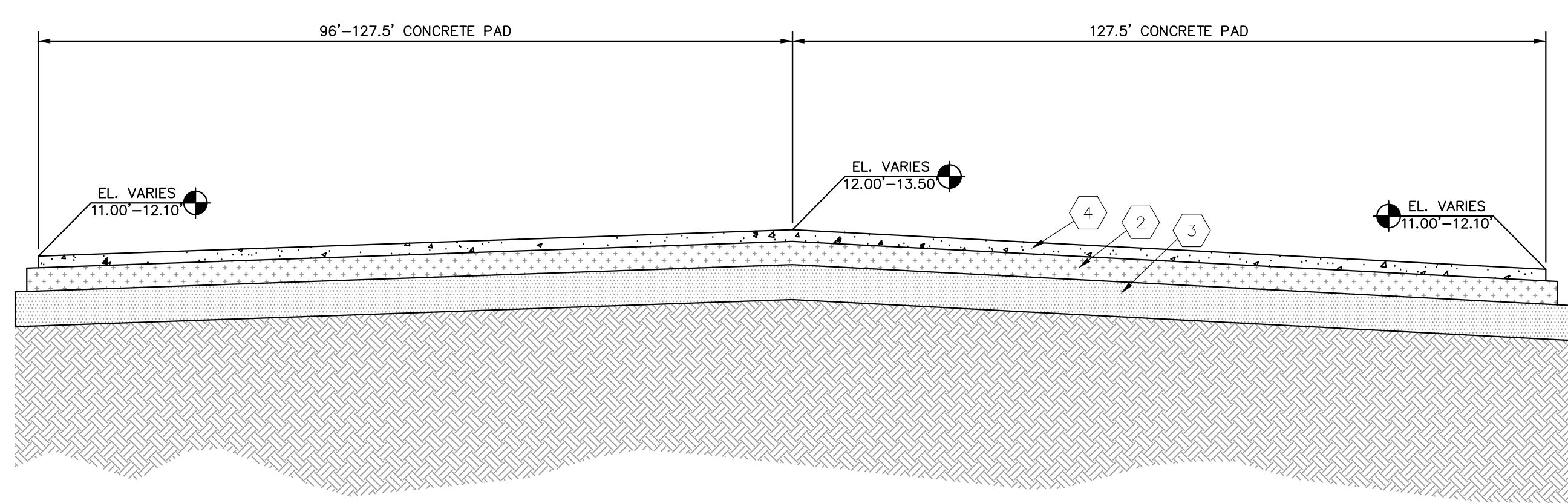
SECTION A 7 TH AVE NORTH

SCALE: N.T.S.



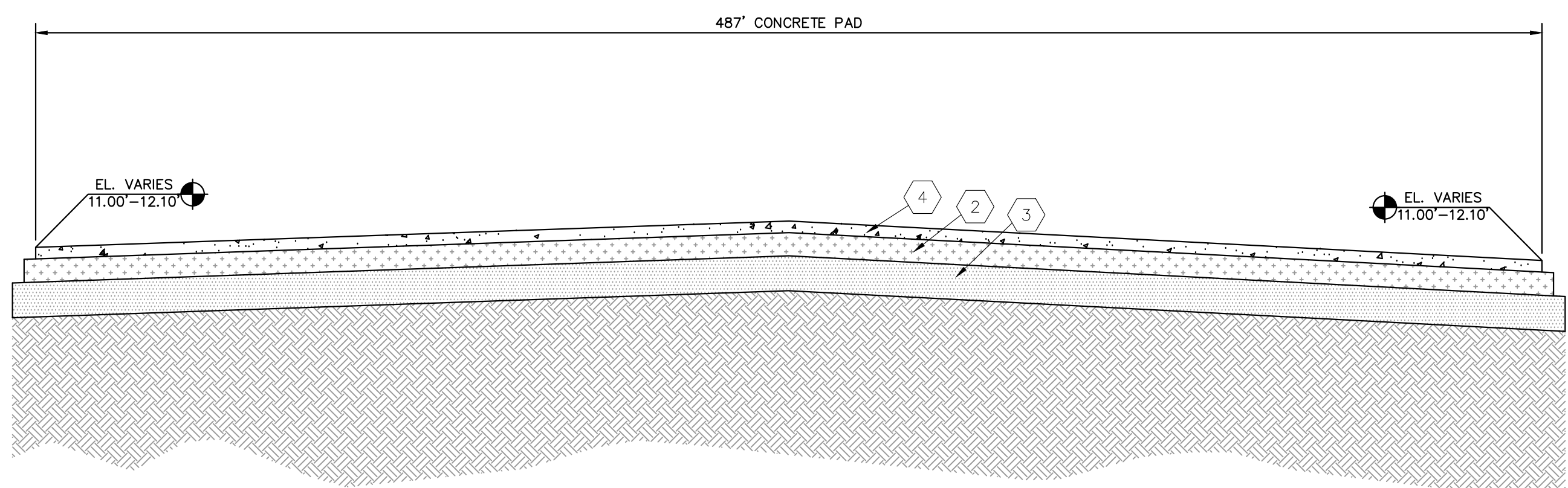
SECTION B EAST PROPERTY LINE

SCALE: N.T.S.



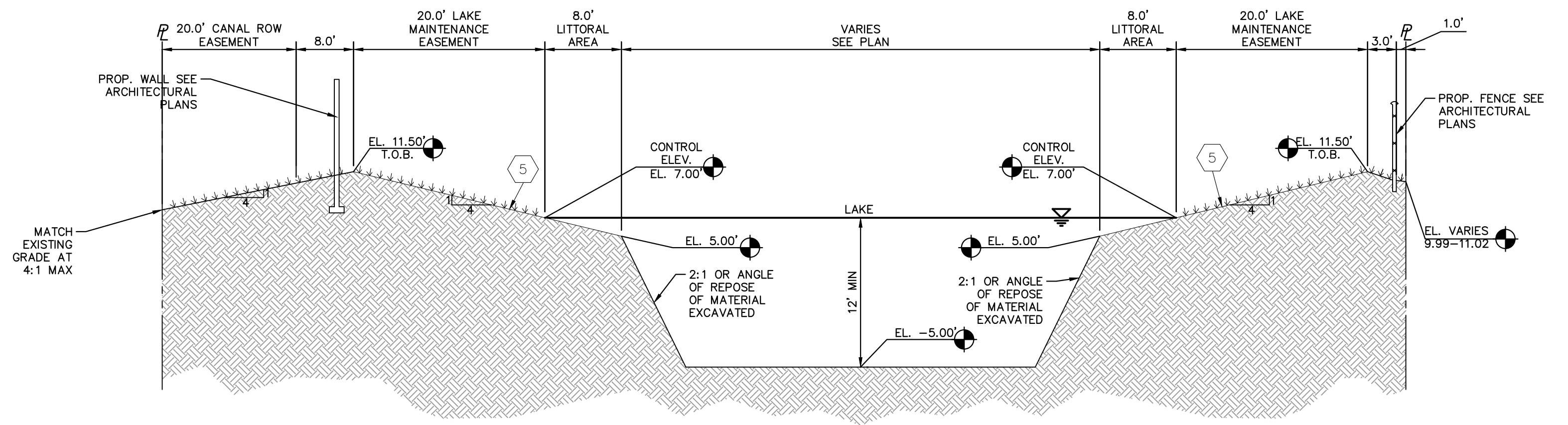
SECTION C CONCRETE PAD

SCALE: N.T.S.



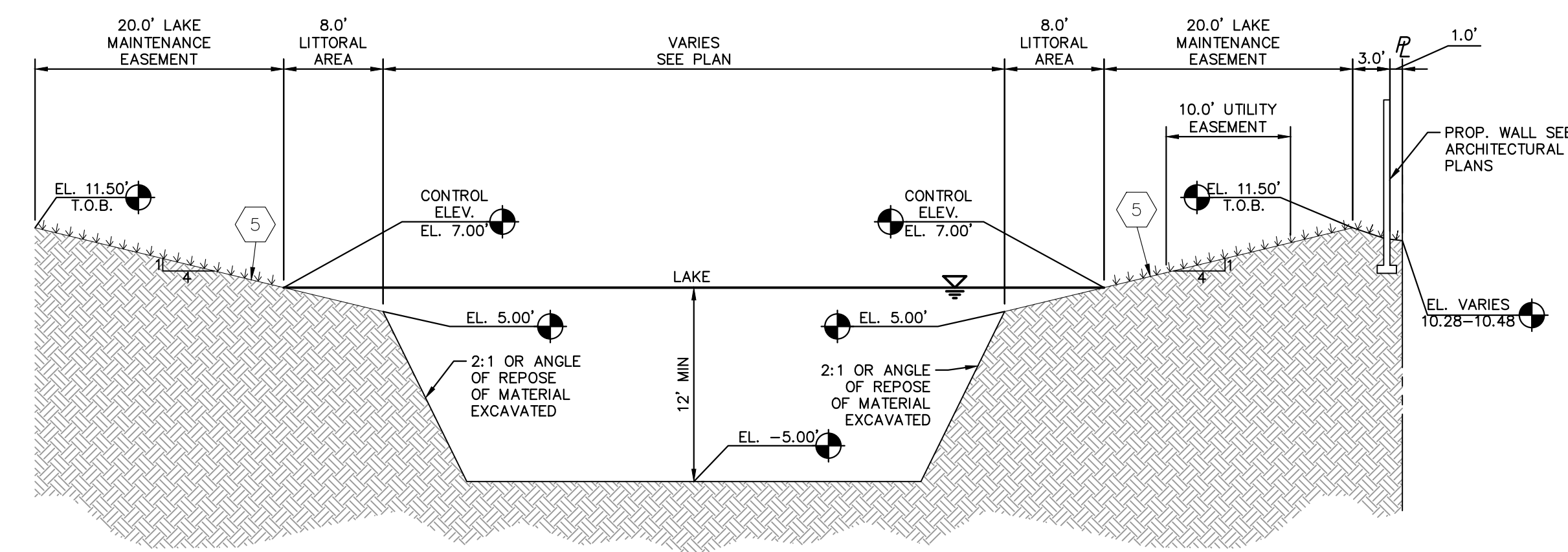
SECTION D CONCRETE PAD

SCALE: N.T.S.



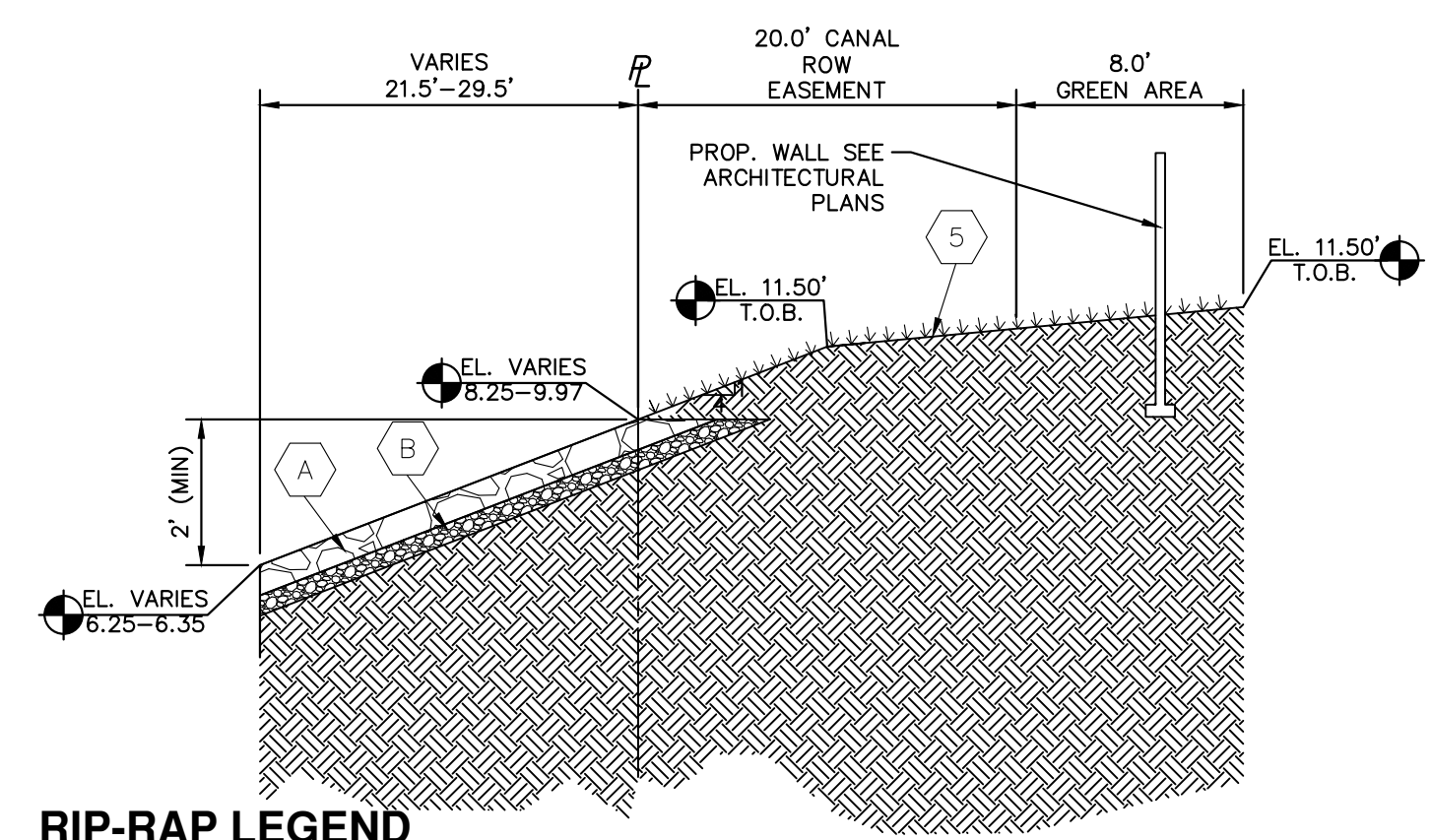
SECTION E LAKE WET RETENTION POND

SCALE: N.T.S.



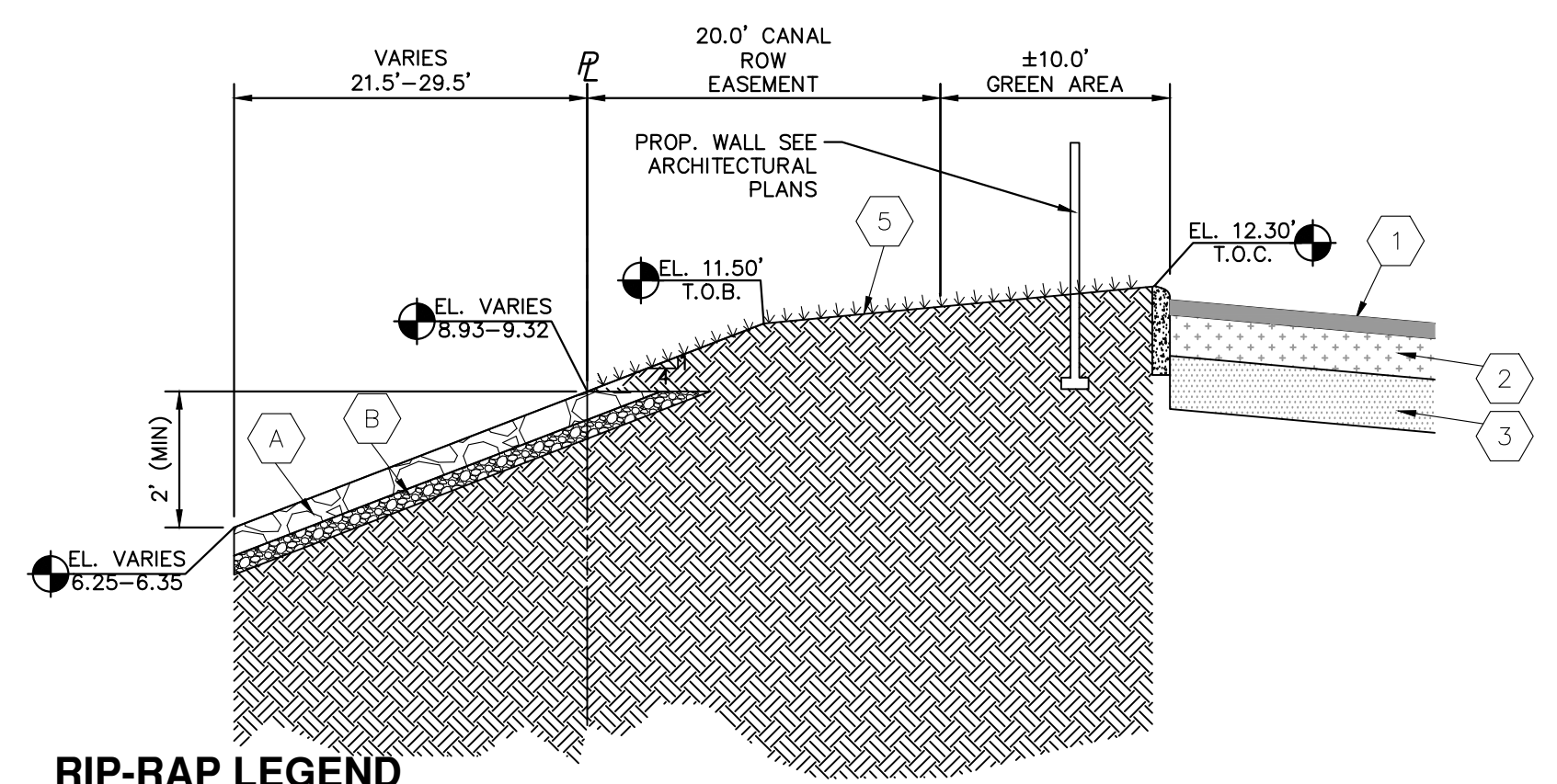
SECTION F LAKE WET RETENTION POND

SCALE: N.T.S.



SECTION G CANAL BANK AREA

SCALE: N.T.S.



SECTION H CANAL BANK AREA

SCALE: N.T.S.

RIP-RAP LEGEND

- (A) 1.5" (MIN) RIP-RAP RUBBLE DITCH LINING PER FDOT STANDARD SPECIFICATIONS (JULY 2016) SECTION 530-2.1.3.2
- (B) 1" (MIN) BEDDING STONE ON WOVEN GEOTEXTILE FILTER FABRIC PER FDOT STANDARD SPECIFICATIONS (JULY 2016) SECTION 530-2.1.4 & SECTION 985 (TYPE D2)

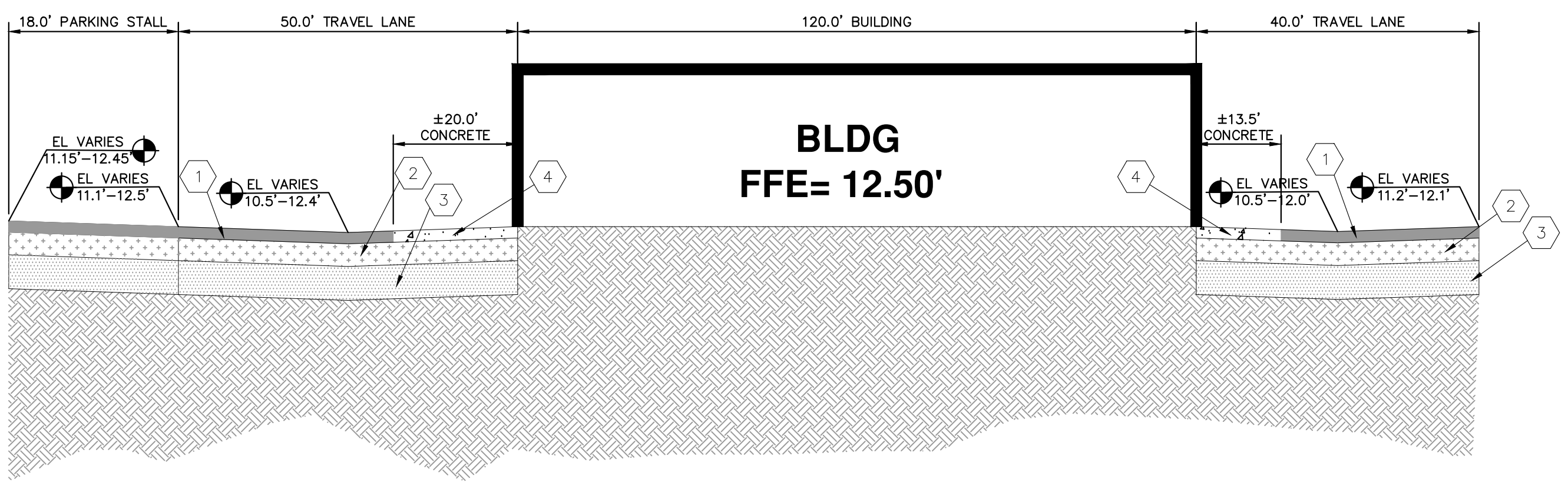
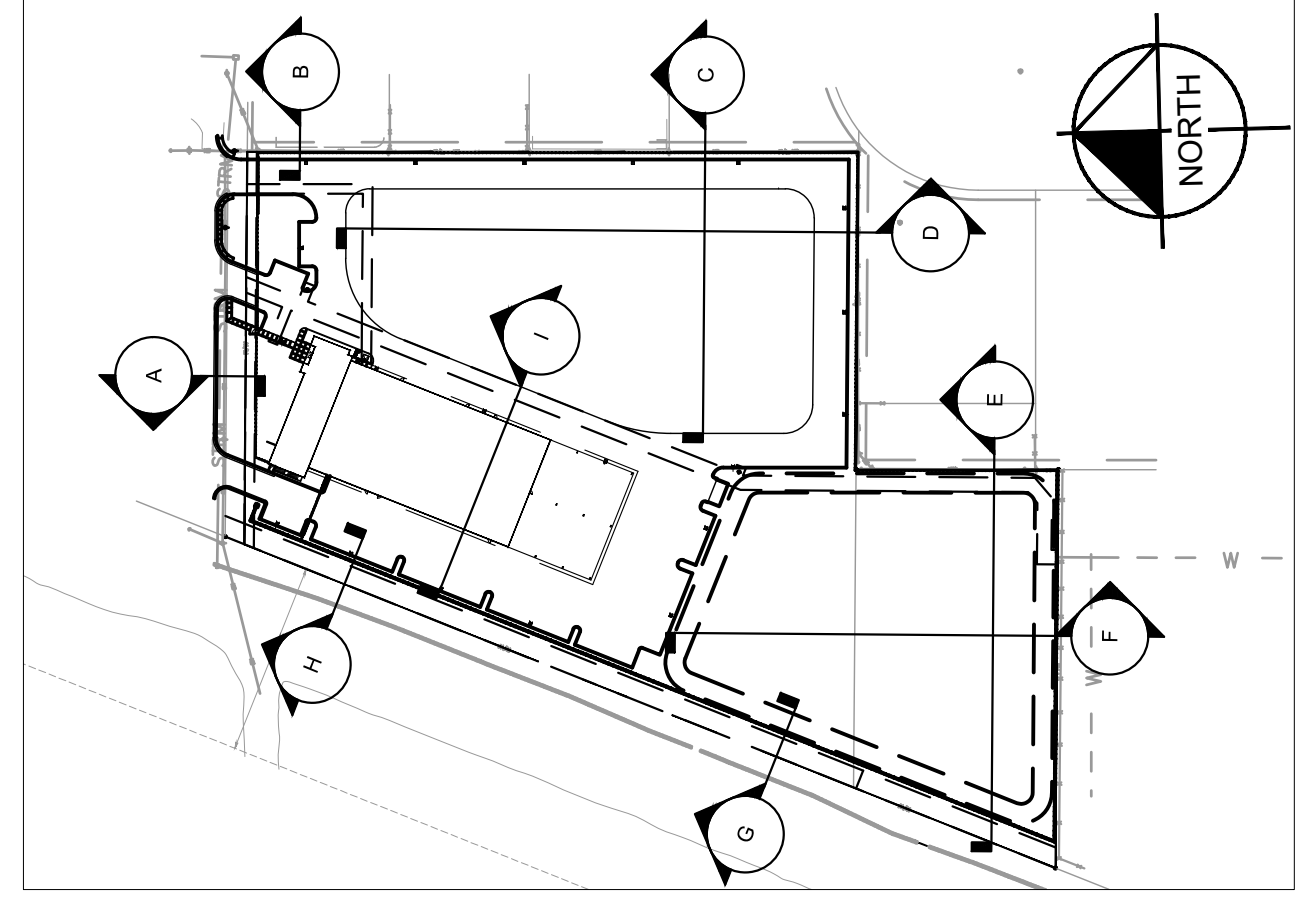
RIP-RAP LEGEND

- (A) 1.5" (MIN) RIP-RAP RUBBLE DITCH LINING PER FDOT STANDARD SPECIFICATIONS (JULY 2016) SECTION 530-2.1.3.2
- (B) 1" (MIN) BEDDING STONE ON WOVEN GEOTEXTILE FILTER FABRIC PER FDOT STANDARD SPECIFICATIONS (JULY 2016) SECTION 530-2.1.4 & SECTION 985 (TYPE D2)

PAVING LEGEND

- (1) 1 1/2" FDOT SP 9.5 TL-B ASPHALT
- (2) 8" LIMEROCK BASE COMPACTED AT LEAST 98% WITH MINIMUM LBR OF 100
- (3) 12" FDOT TYPE B STABILIZED SUBGRADE LBR 40, FDOT 160-2 (CONTRACTOR TO EXCAVATE AS REQUIRED AND REPLACE WITH BACKFILL AS SPECIFIED ON PLANS)
- (4) 8" CONCRETE SURFACE (MIN. 4,000 PSI)
- (5) BAHIA SOD (SEE LANDSCAPING PLANS)
- (6) 12" FDOT TYPE B STABILIZED SUBGRADE LBR 40, FDOT 160-2 (CONTRACTOR TO EXCAVATE AS REQUIRED AND REPLACE WITH BACKFILL AS SPECIFIED ON PLANS)

KEY MAP



SECTION I BUILDING

SCALE: N.T.S.

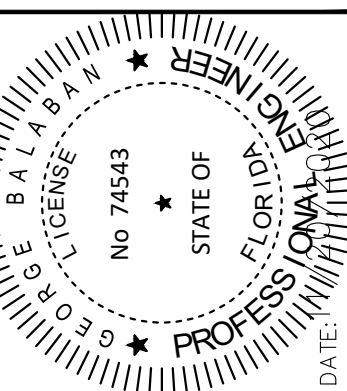
CONTRACTOR SHALL ENSURE ALL SITE PREPARATION REQUIREMENTS ARE MET AS DICTATED IN THE GEOTECHNICAL REPORT

Always call 811 two full business days before you dig



No.	REVISIONS	DATE	BY

Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

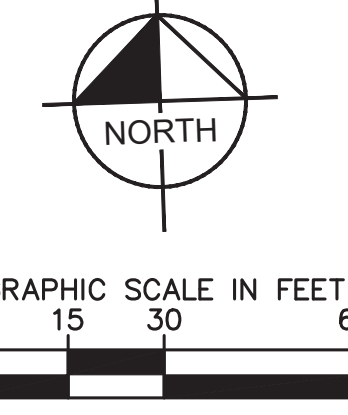
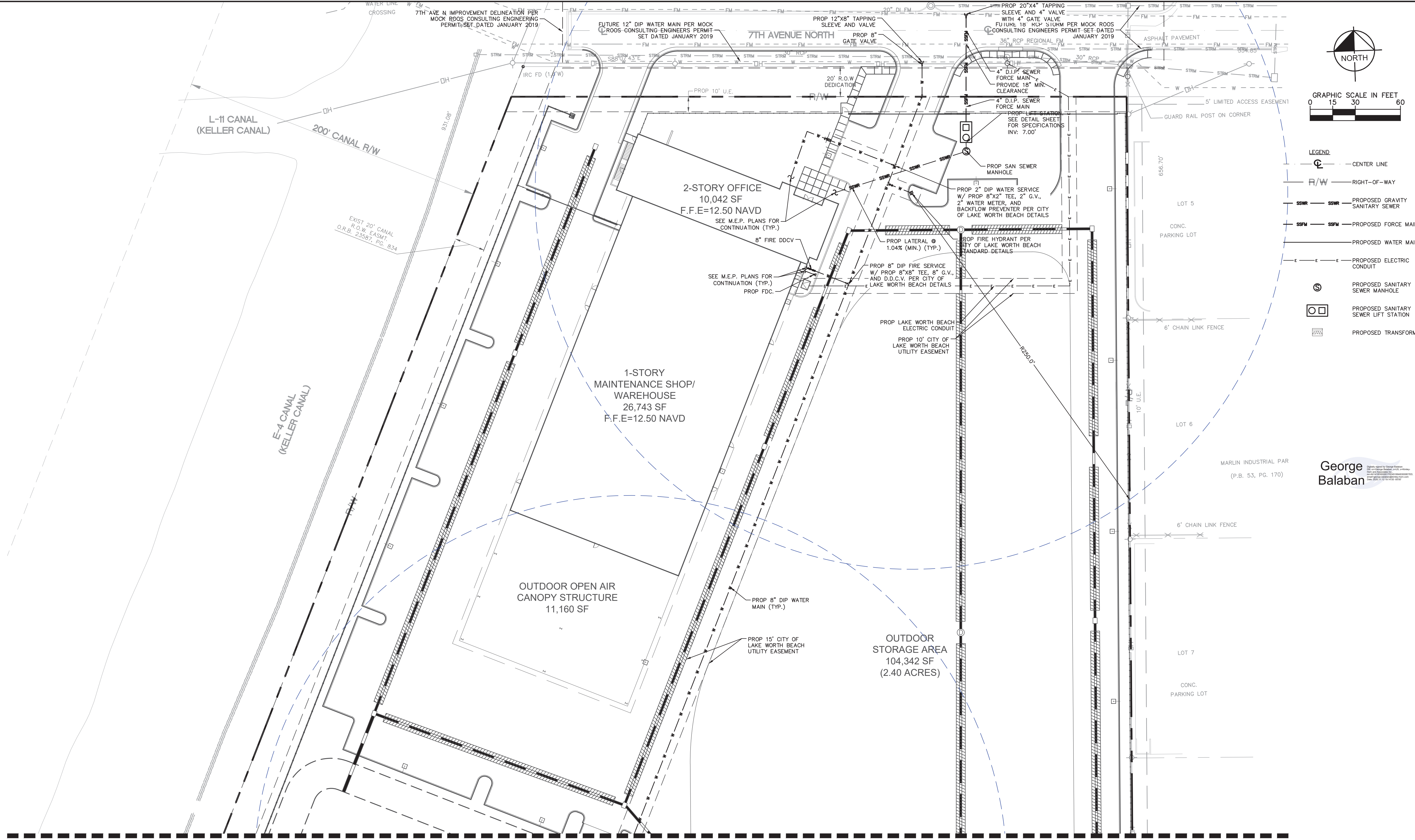


KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	GE
DRAWN BY	MB
CHECKED BY	GB

PAVING AND GRADING CROSS SECTIONS

OFFICE/INDUSTRIAL FACILITY
 PREPARED FOR
UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH, FLORIDA

Plotted By: Benolozor, Marcel - Sheet Set: DOKA LAKE WORTH - Layout: C-300 - November 12, 2020 - 03:26:38pm - C:\Users\Marcel.Benolozor\Desktop\Doka\CADD\PlonSheets\C-300 UTILITY PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any part of this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



- LEGEND**
- CENTER LINE
 - RIGHT-OF-WAY
 - PROPOSED GRAVITY SANITARY SEWER
 - PROPOSED FORCE MAIN
 - PROPOSED WATER MAIN
 - PROPOSED ELECTRIC CONDUIT
 - PROPOSED SANITARY SEWER MANHOLE
 - PROPOSED SANITARY SEWER LIFT STATION
 - PROPOSED TRANSFORMER

George Balaban
Professional Engineer
 License No. 74543
 State of Florida
 Exp. 12/31/2024

SEE SHEET C-301 - UTILITY PLAN FOR CONTINUATION

NO.	REVISIONS	DATE

Kimley-Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB
DATE:	

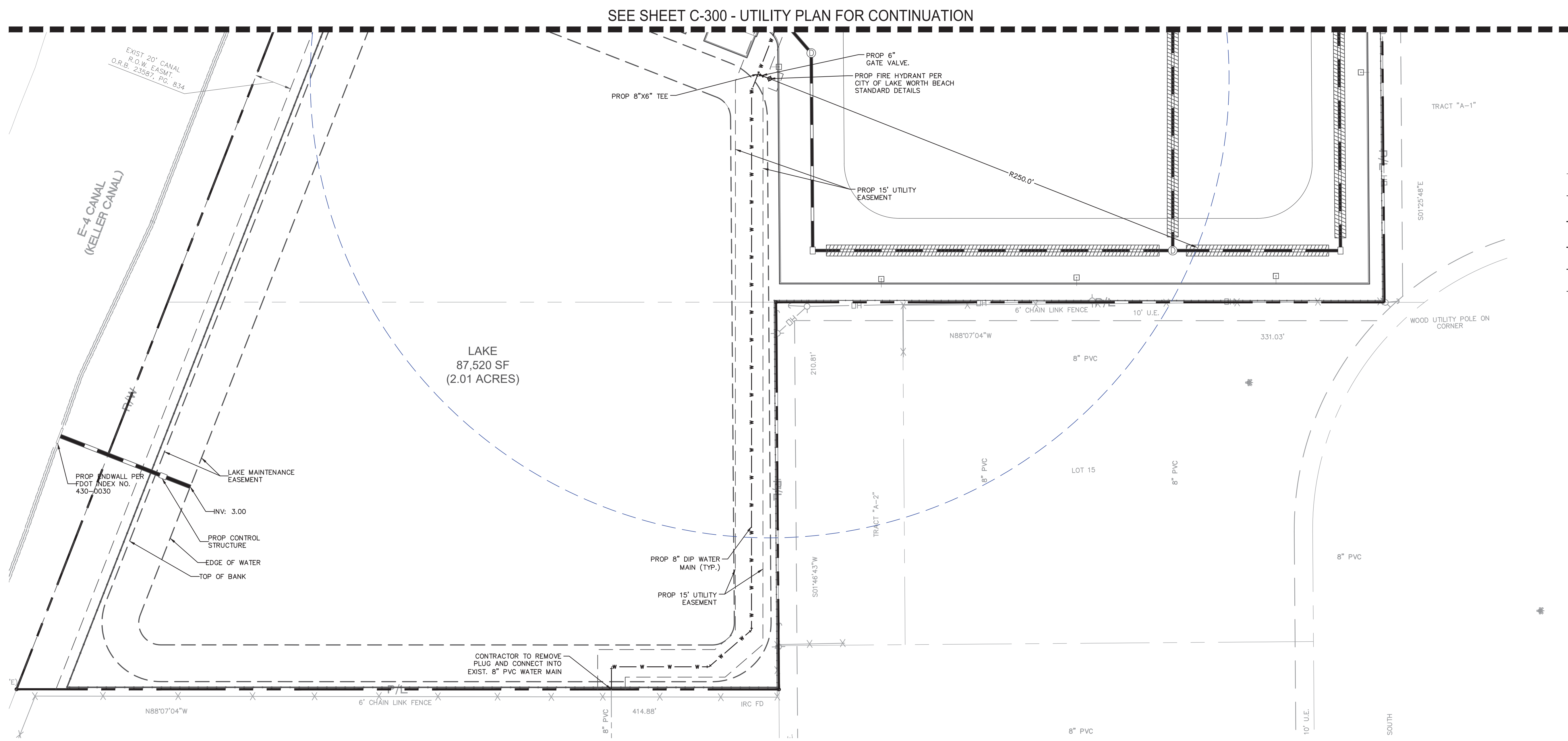
UTILITY PLAN

OFFICE/INDUSTRIAL FACILITY
 PREPARED FOR
UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH, FLORIDA

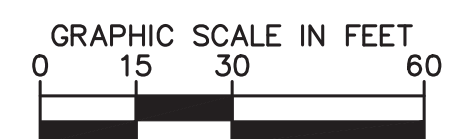
Always call 811 two full business days before you dig

SHEET NUMBER
C-300

Plotted By: Benolozoz, Marcel - Sheet Set: DOKA LAKE WORTH - Layout: C-301 - November 12, 2020 - 03:26:40pm - C:\Users\Marcel.Benolozoz\Desktop\Doka\CAD\Drawings\C-300 UTILITY PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



SEE SHEET C-300 - UTILITY PLAN FOR CONTINUATION

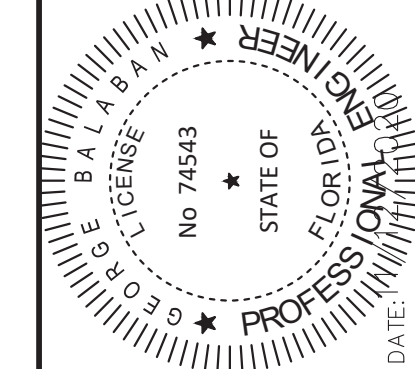


- LEGEND**
- CENTER LINE
 - RIGHT-OF-WAY
 - PROPOSED GRAVITY SANITARY SEWER
 - PROPOSED FORCE MAIN
 - PROPOSED WATER MAIN
 - PROPOSED ELECTRIC CONDUIT
 - PROPOSED SANITARY SEWER MANHOLE
 - PROPOSED SANITARY SEWER LIFT STATION
 - PROPOSED TRANSFORMER

George Balaban
 Digitally signed by George Balaban
 DN: cn=George Balaban, o=Kimley-Horn and Associates, Inc., email=george@kimley-horn.com, c=US
 Date: 2020.11.12 12:12:10 -0500

NO.	REVISIONS	DATE	BY

Kimley-Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696



KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB
DATE:	

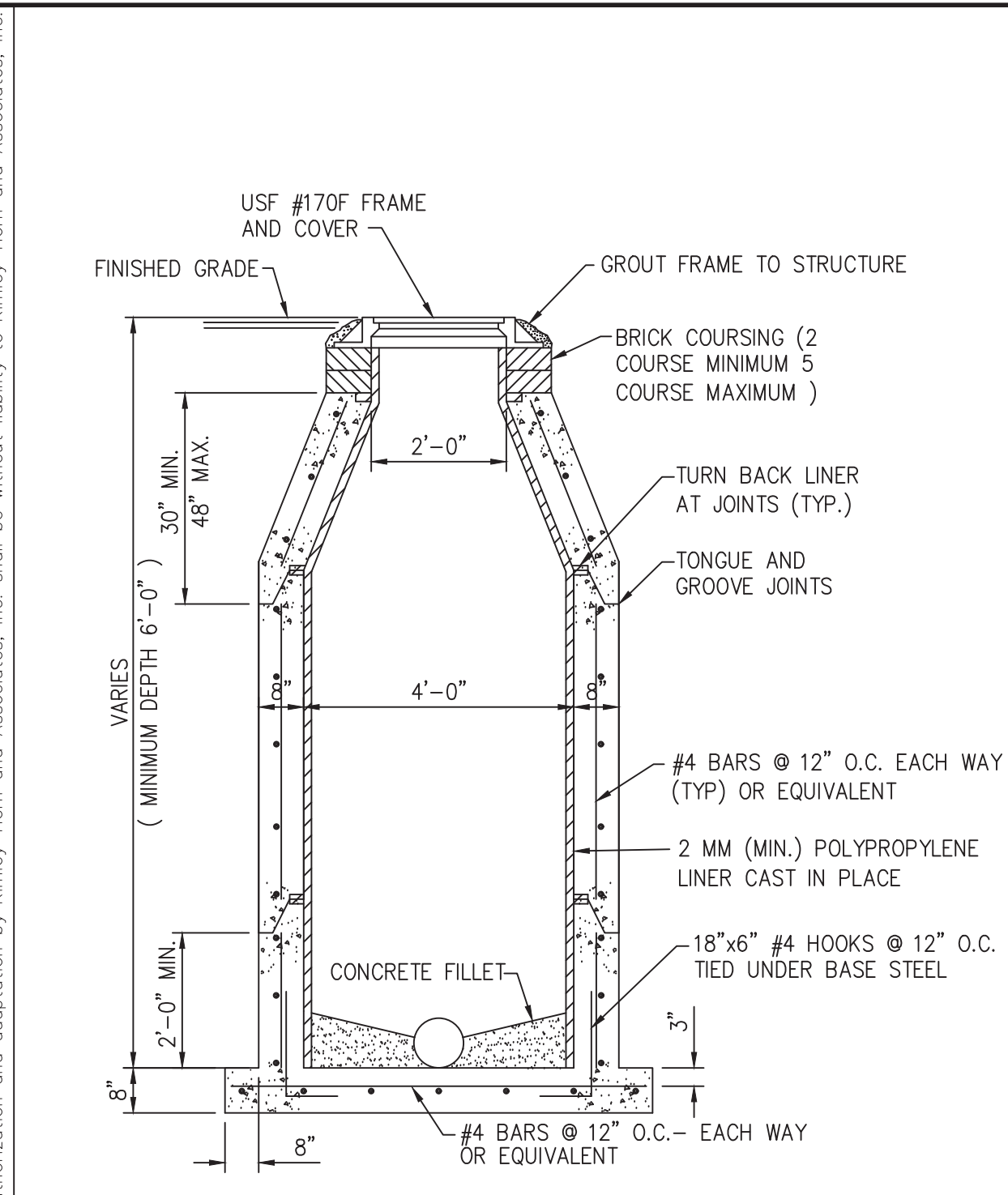
UTILITY PLAN

OFFICE/INDUSTRIAL FACILITY
 PREPARED FOR
UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH FLORIDA

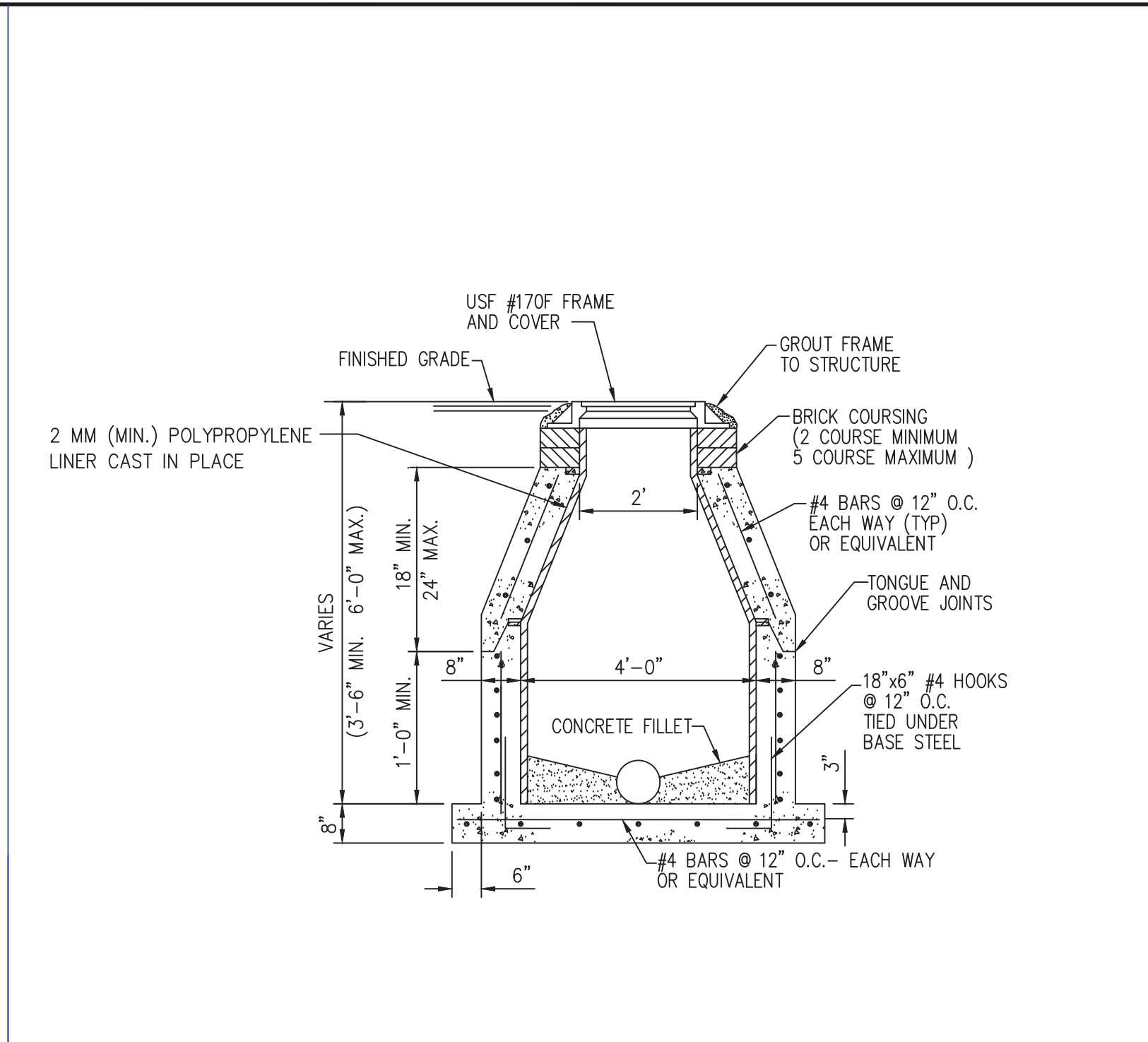
Always call 811 two full business days before you dig

SHEET NUMBER
C-301

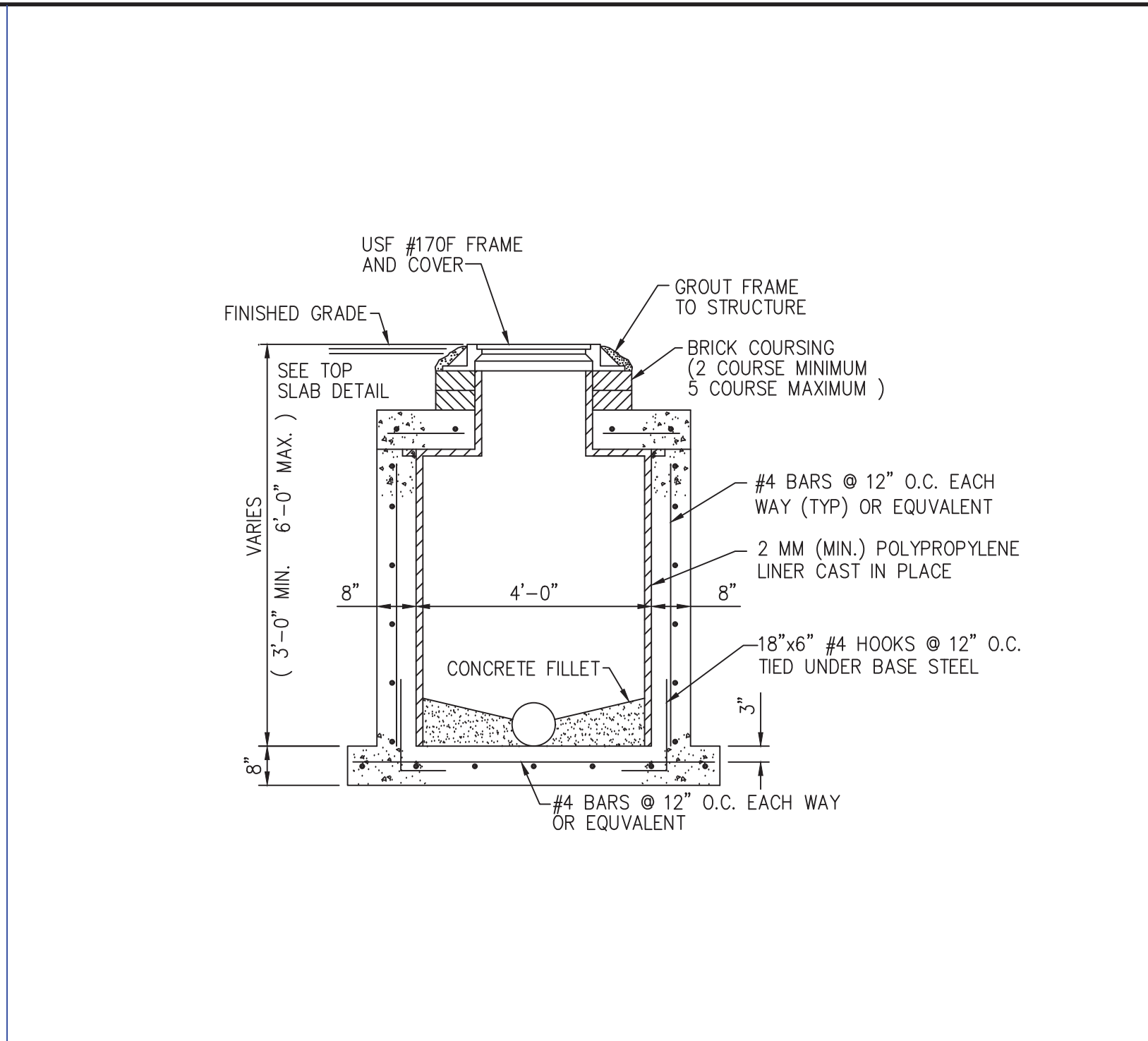
Plotted By: Benalozor, Marcel - Sheet: DOKA LAKE WORTH - Layout: C-302 - CITY OF LAKE WORTH BEACH SEWER DETAILS - November 12, 2020 - 03:26:45pm - C:\Users\Marcel.Benalozor\Desktop\DOKA\CADD\Drawings\C-302 UTILITY DETAILS.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



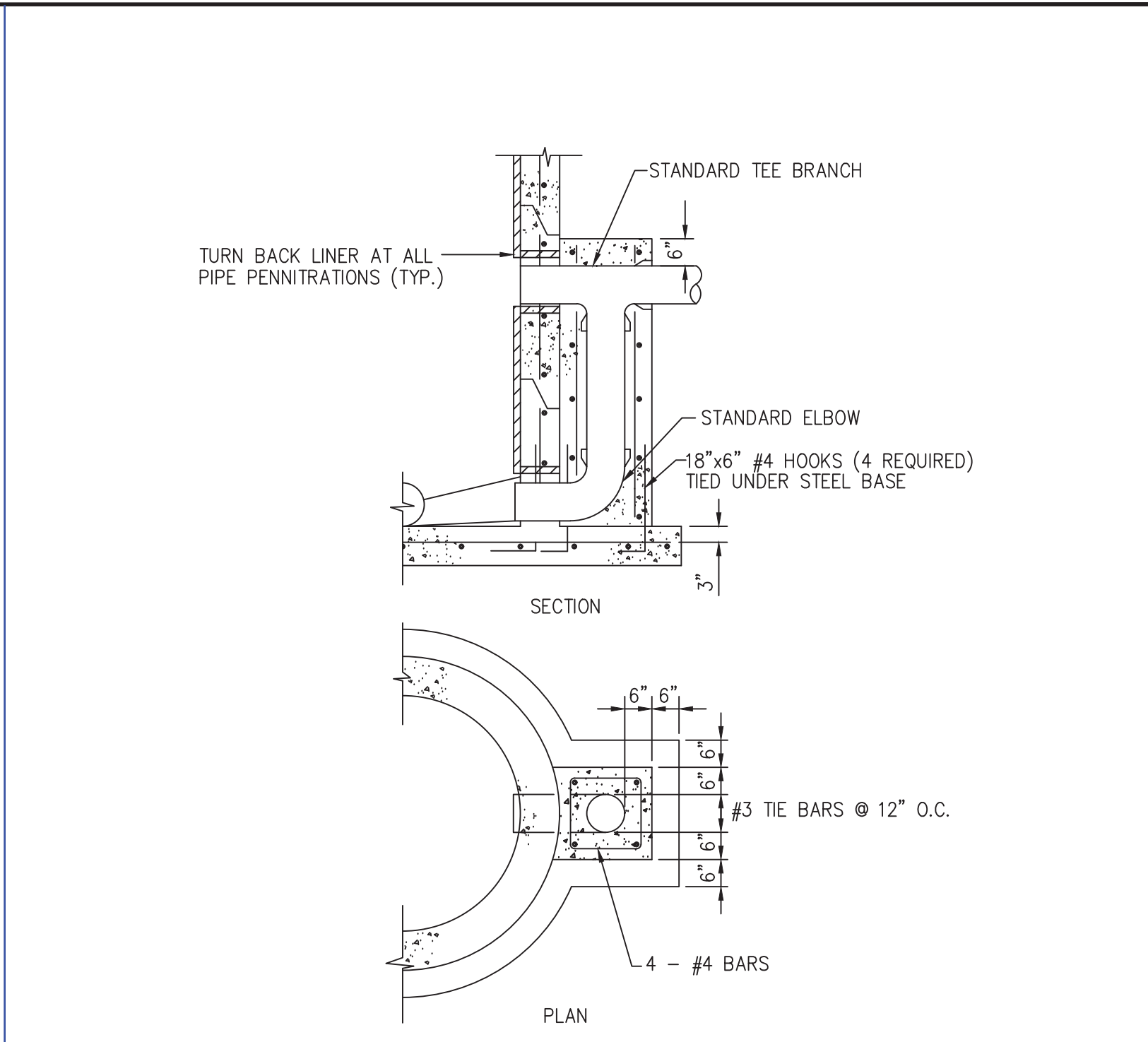
STANDARD MANHOLE 1



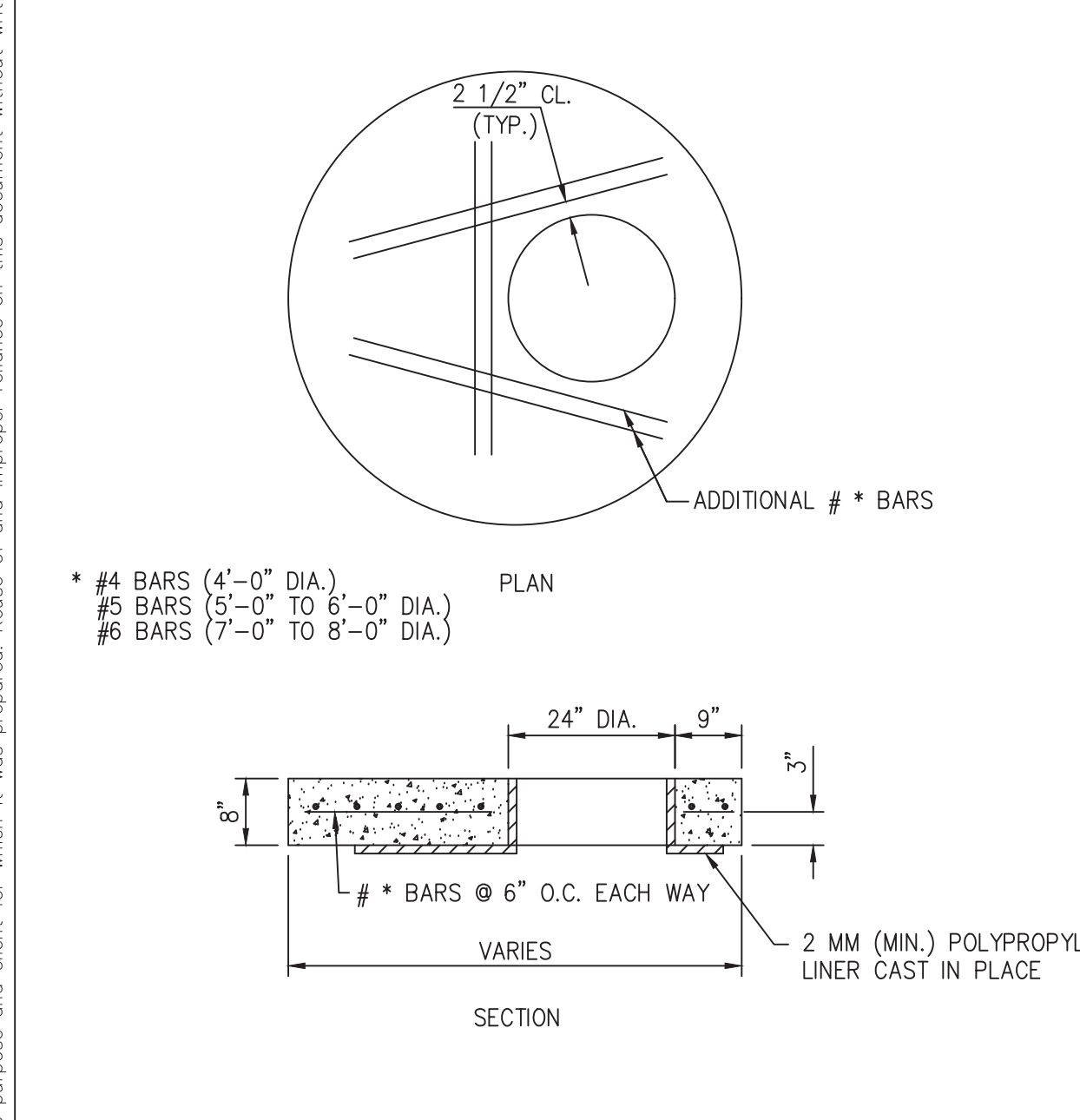
SHALLOW MANHOLE 2



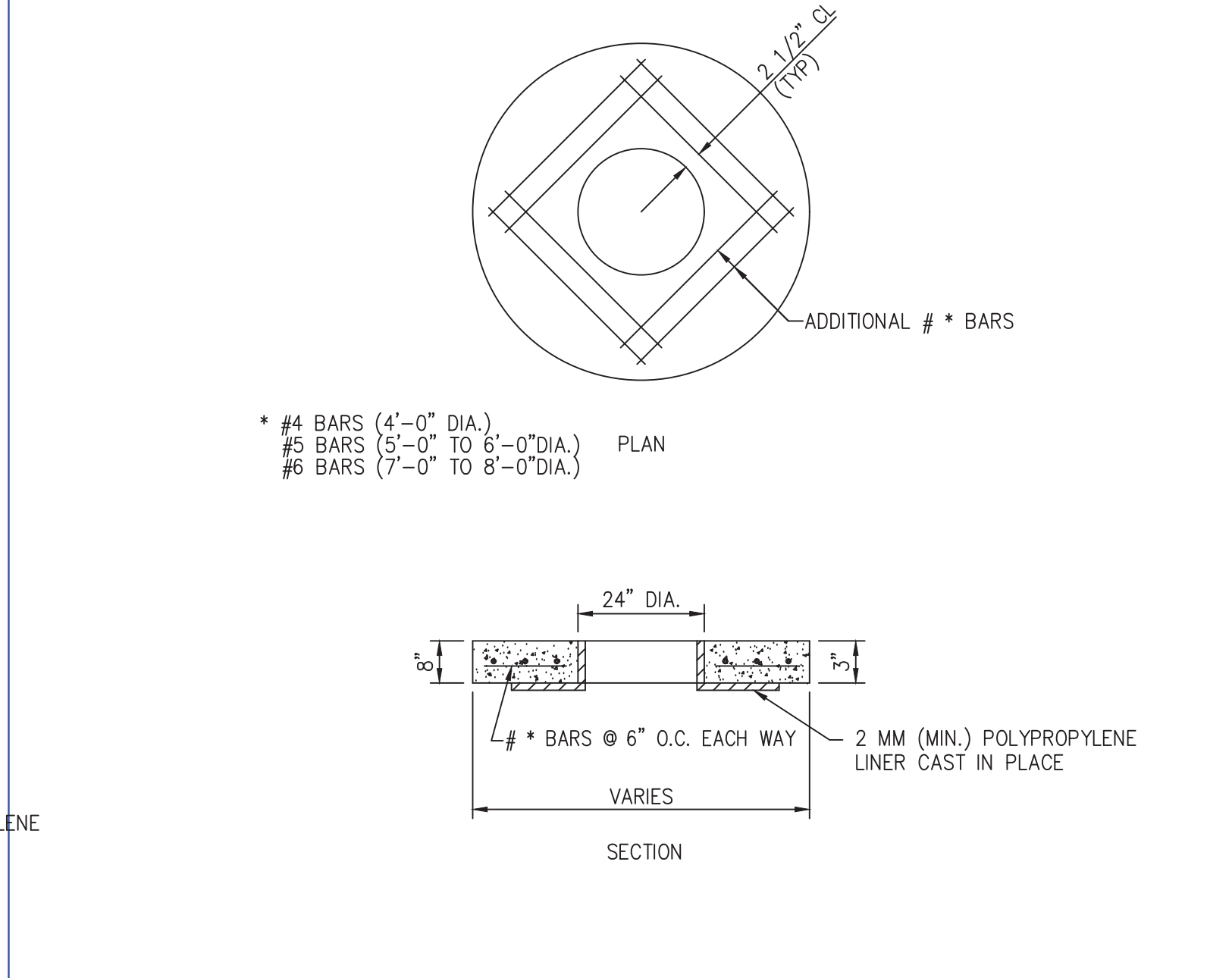
SHALLOW MANHOLE 3



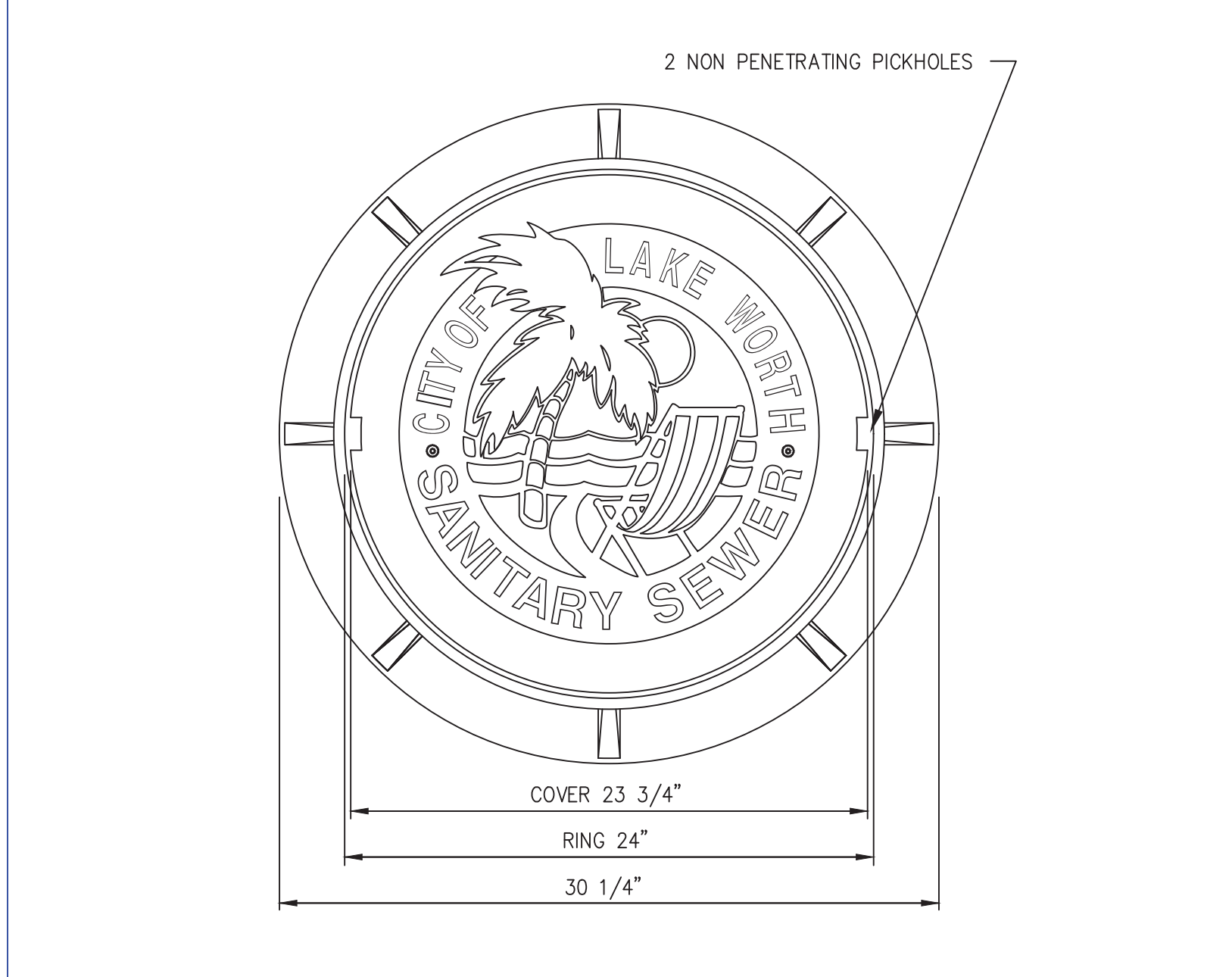
DROP CONNECTION 4



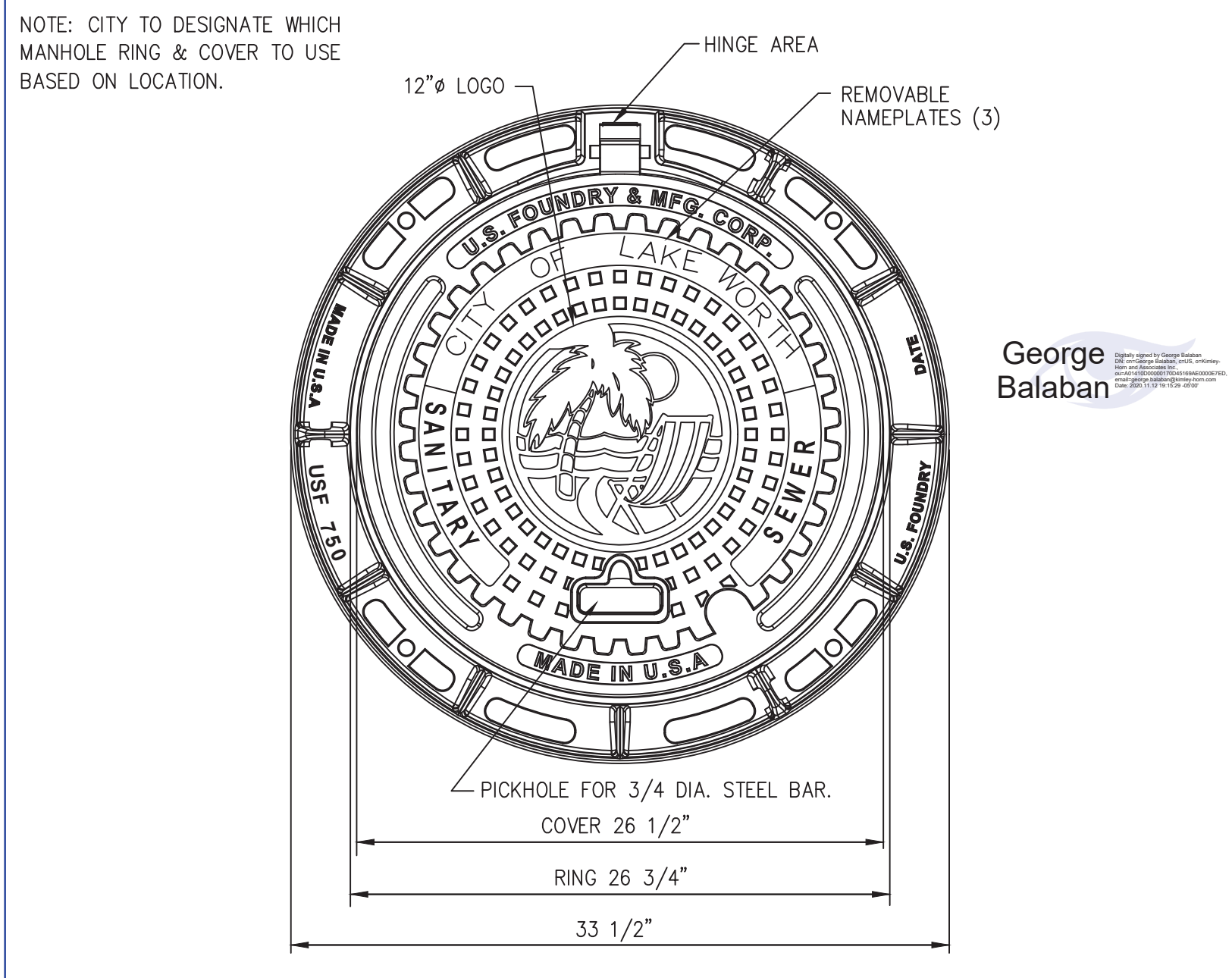
FLAT TOP SLAB 5



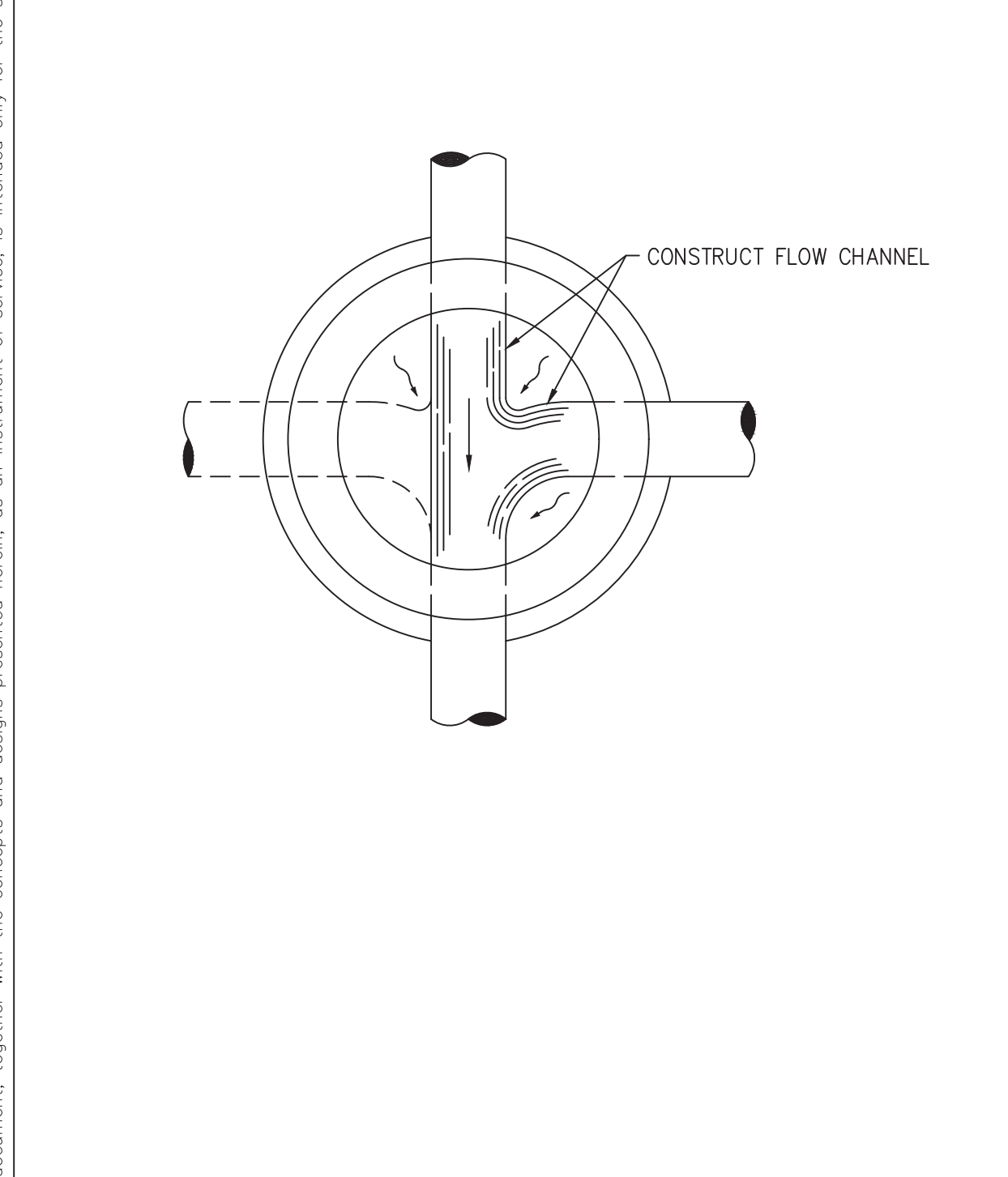
FLAT TOP SLAB 6



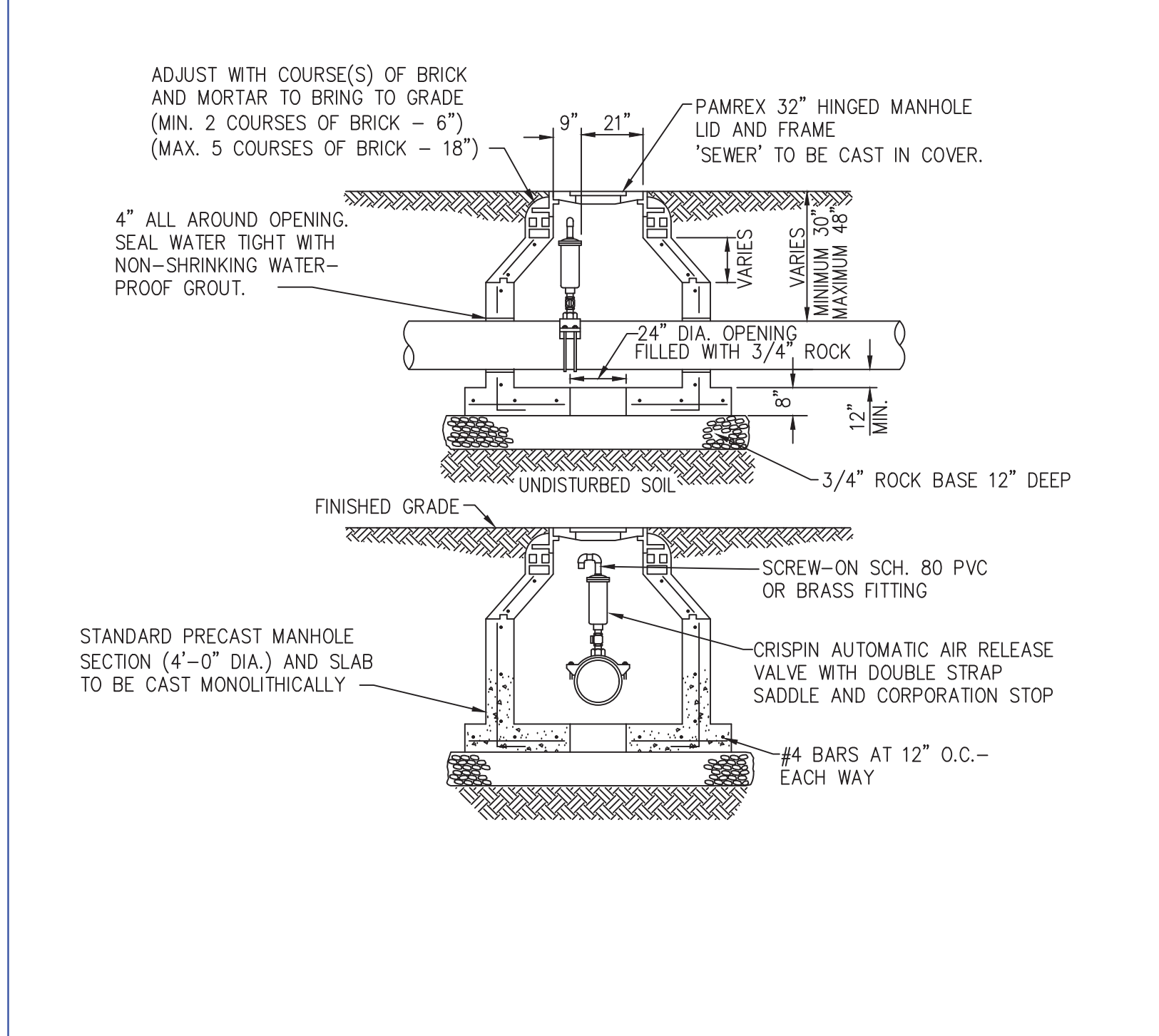
USF 170 RING & EU COVER 7



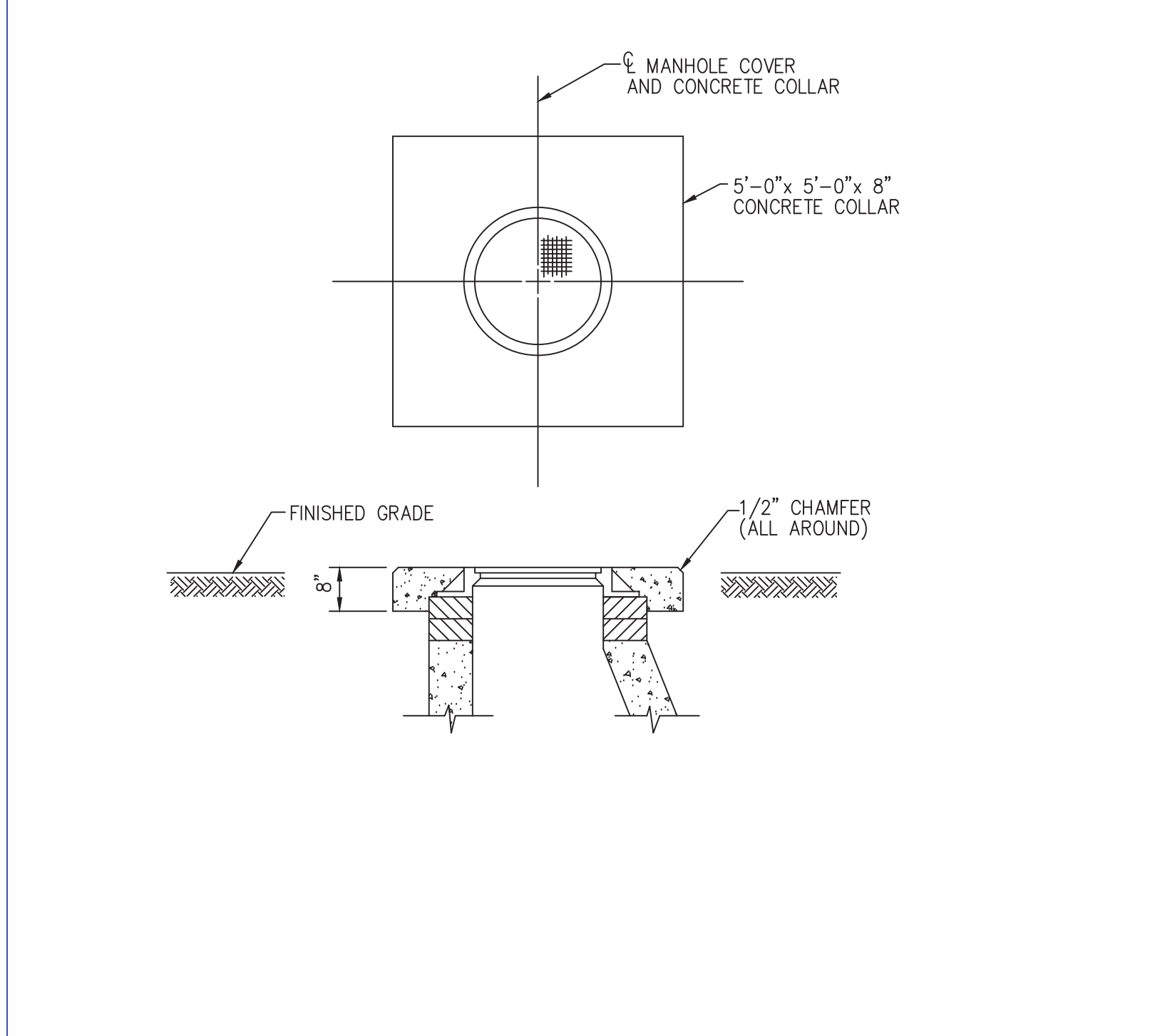
USF 750 RING & NH COVER 8



MANHOLE BOTTOM FOR TWO OR MORE INFLUENT LINES 9



AIR RELEASE VALVE MANHOLE 10



CONCRETE COLLAR (REQUIRED WHEN MANHOLE IS OUT OF PAVEMENT) 11

- REINFORCING STEEL ON ALL CONCRETE STRUCTURES SHALL HAVE A MINIMUM COVER OF 3 INCHES.
- BRICK COURSING ON MANHOLES SHALL BE PLASTERED WITH 1/2 INCH CEMENT MORTAR ON THE INSIDE AND OUTSIDE FACES.
- THE DISTANCES AND CONTROLS SHOWN ON THE DRAWINGS REFER TO THE CENTERLINE OF THE MANHOLES.
- COAT EXTERIOR AND INTERIOR SURFACES OF MANHOLES WITH KOPPERS 300-M OR EQUAL APPROVED BY THE ENGINEER. PROVIDE A MINIMUM DRY FILM THICKNESS OF 16 MILS. APPLY IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. INTERIOR COATING SHALL BE FIELD APPLIED AFTER FINAL LAMPING AND REVIEW BY THE ENGINEER.
- STEPS ARE REQUIRED IN MANHOLES GREATER THAN 3 FEET IN DEPTH. STEPS SHALL BE SPACED 16 INCHES ON CENTER AND SHALL BE POLYPROPYLENE PLASTIC COATED NO. 3 AS MANUFACTURED BY MA INDUSTRIES, INC. OR EQUAL APPROVED BY THE ENGINEER.
- PVC FORCE MAIN PIPE SHALL BE WRAPPED WITH WIRE FOR LOCATING PURPOSES. A 14 GAUGE, THIN INSULATED, SOLID COPPER WIRE SHALL BE LAID IN THE PIPE TRENCH CONTINUOUS FROM VALVE BOX TO VALVE BOX. WIRE SHALL BE WRAPPED TWO TIMES AROUND EACH JOINT OF PIPE AND EXTENDED INSIDE EACH VALVE BOX TO ENABLE LOCATION DEVICES TO BE ATTACHED WITHOUT DIGGING UP THE VALVE BOX. WIRE CONNECTIONS SHALL BE MADE WITH COMMERCIAL CONNECTORS AND SEALED AGAINST MOISTURE WITH SCOTCH E-Z SEAL NO. 2200 ELECTRICAL INSULATING PAD WITH VINYL BACKING.
- DROP CONNECTIONS ON MANHOLES ARE REQUIRED WHENEVER AN INFLUENT SEWER IS LOCATED 2 FEET OR MORE ABOVE THE MAIN INVERT CHANNEL.
- CAST IRON MANHOLE COVERS SHALL HAVE THE WORD 'SANITARY' CAST IN THEM IN RAISED LETTERS.

GENERAL NOTES 12

NO.	REVISIONS	DATE	BY

Kimley»Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

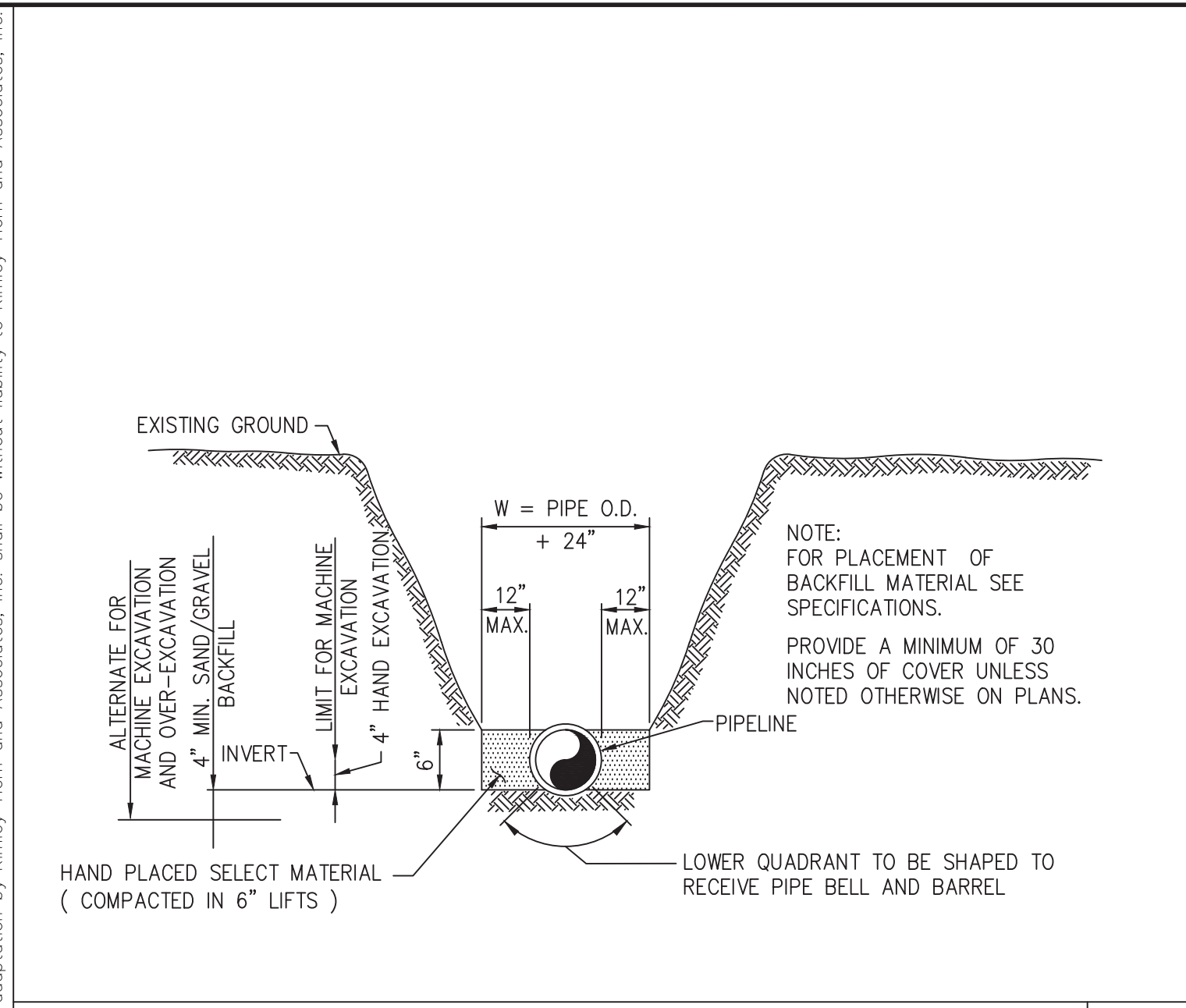
Professional Engineer
 State of Florida
 License No. 74543
 George Balaban

KHA PROJECT	143189000
DATE	9/2/2020
SCALE	AS SHOWN
DESIGNED BY	GB
DRAWN BY	MB
CHECKED BY	GB

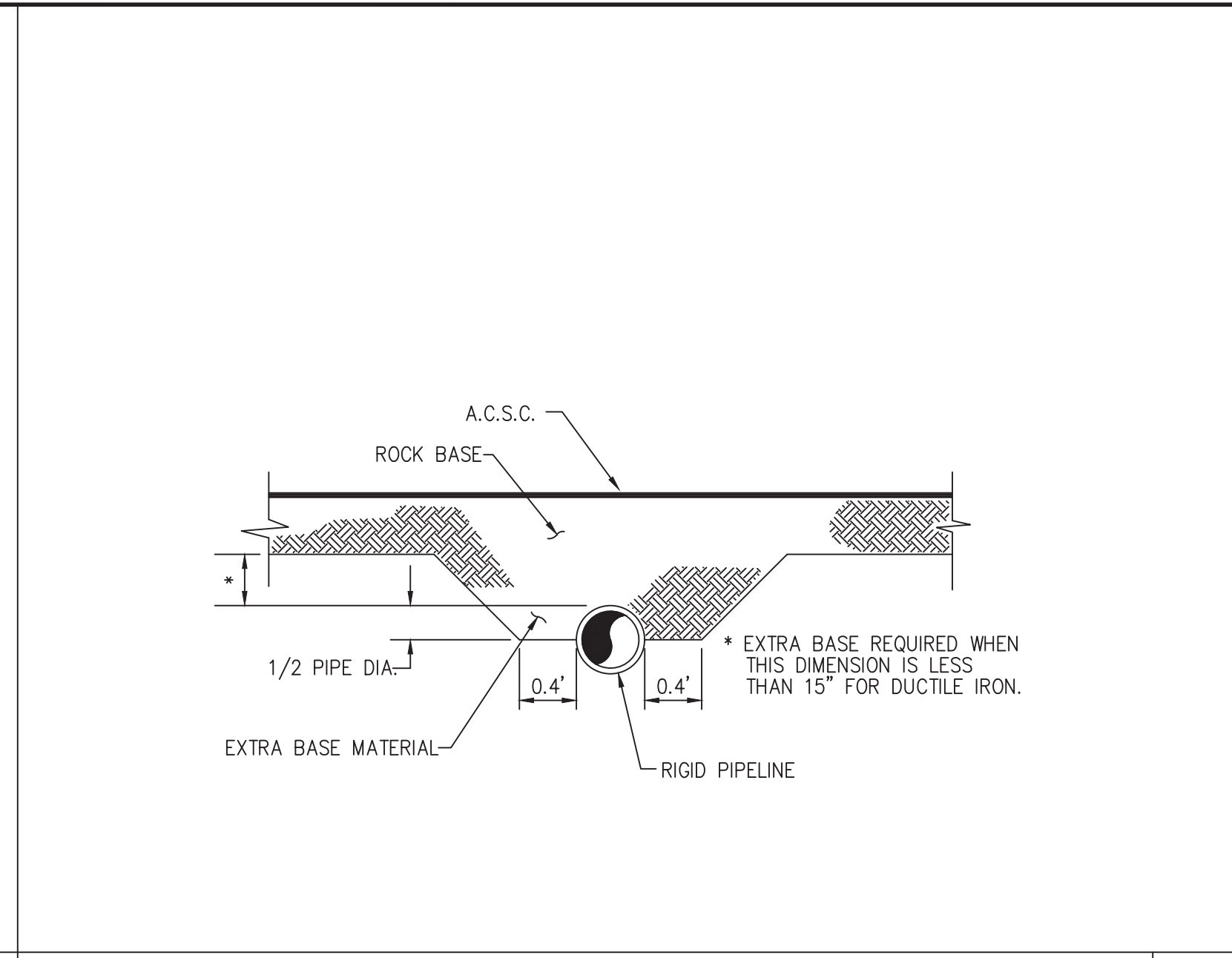
CITY OF LAKE WORTH BEACH SEWER DETAILS

OFFICE/INDUSTRIAL FACILITY PREPARED FOR UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH FLORIDA

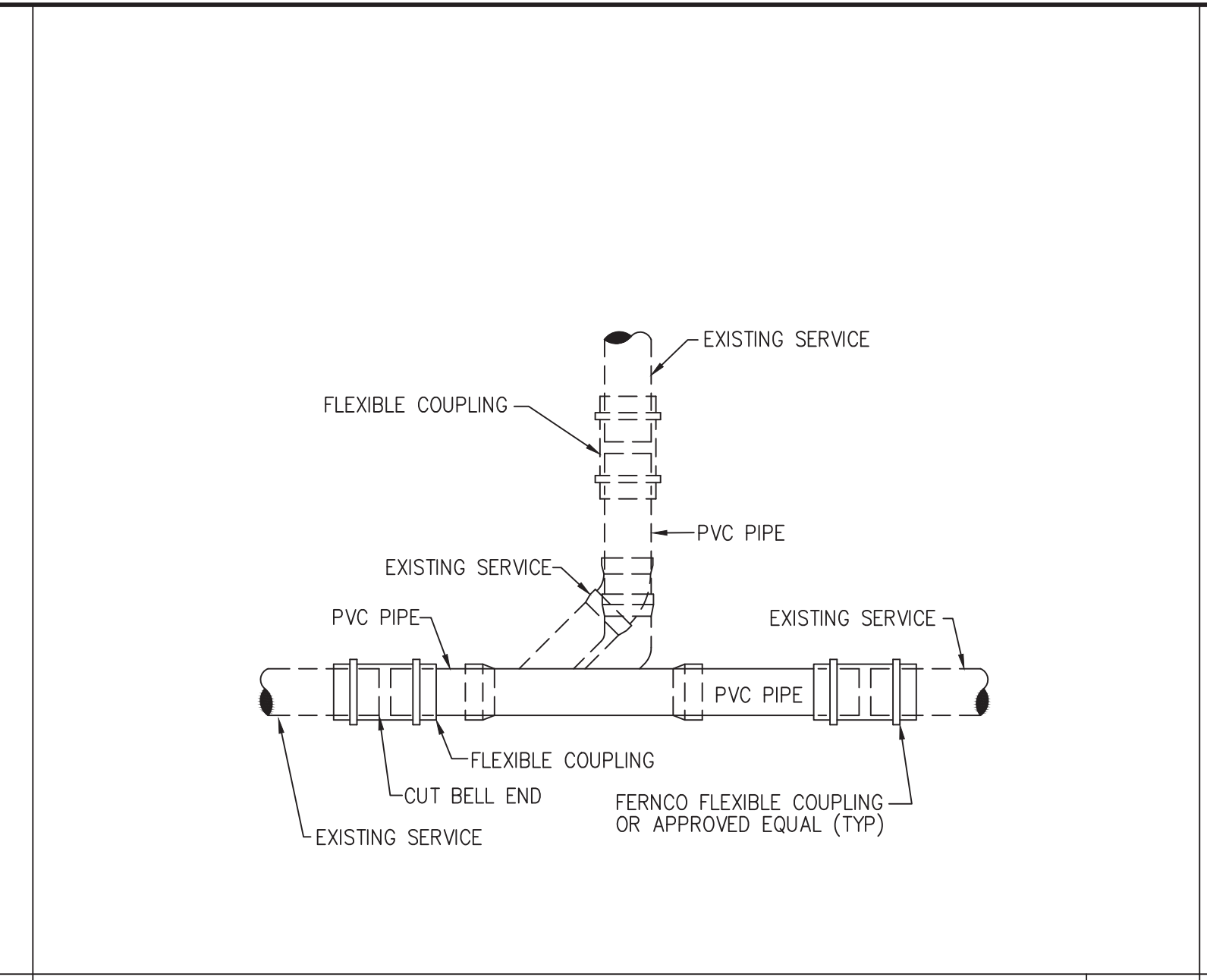
Plotted By: Benelocozor, Marcell - Sheet Set: DOKA LAKE WORTH - Layout: C-303 - CITY OF LAKE WORTH BEACH SEWER DETAILS - November 12, 2020 - 03:26:47pm - C:\Users\Marcell.Benelocozor\Desktop\DOKA\CADD\Drawings\C-303 UTILITY DETAILS.dwg
 This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



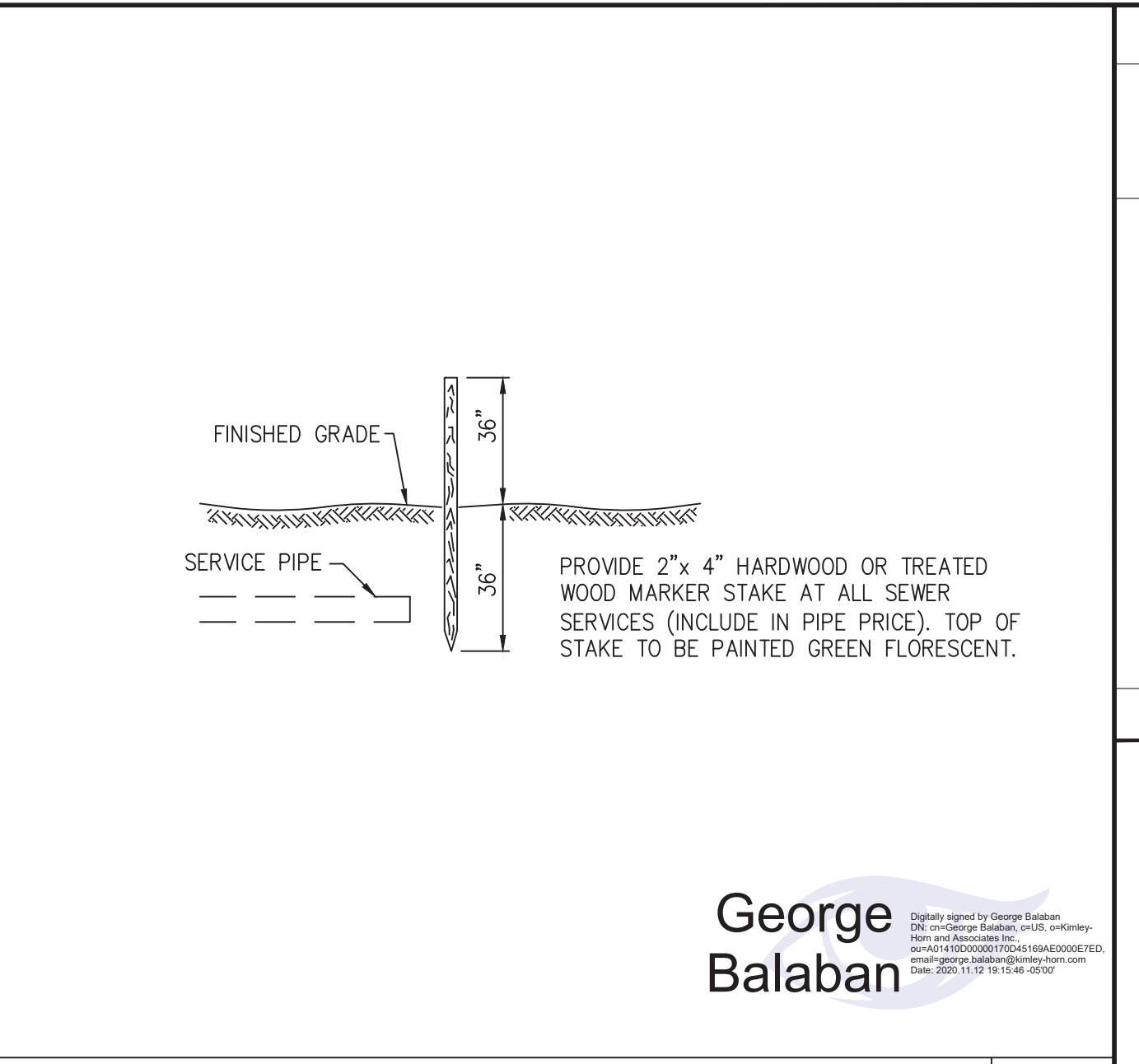
TRENCHING 1



EXTRA BASE MATERIAL FOR SHALLOW PIPES IN ROADWAYS 2



PIPE SECTION REPLACEMENT 3



MARKER STAKE 4

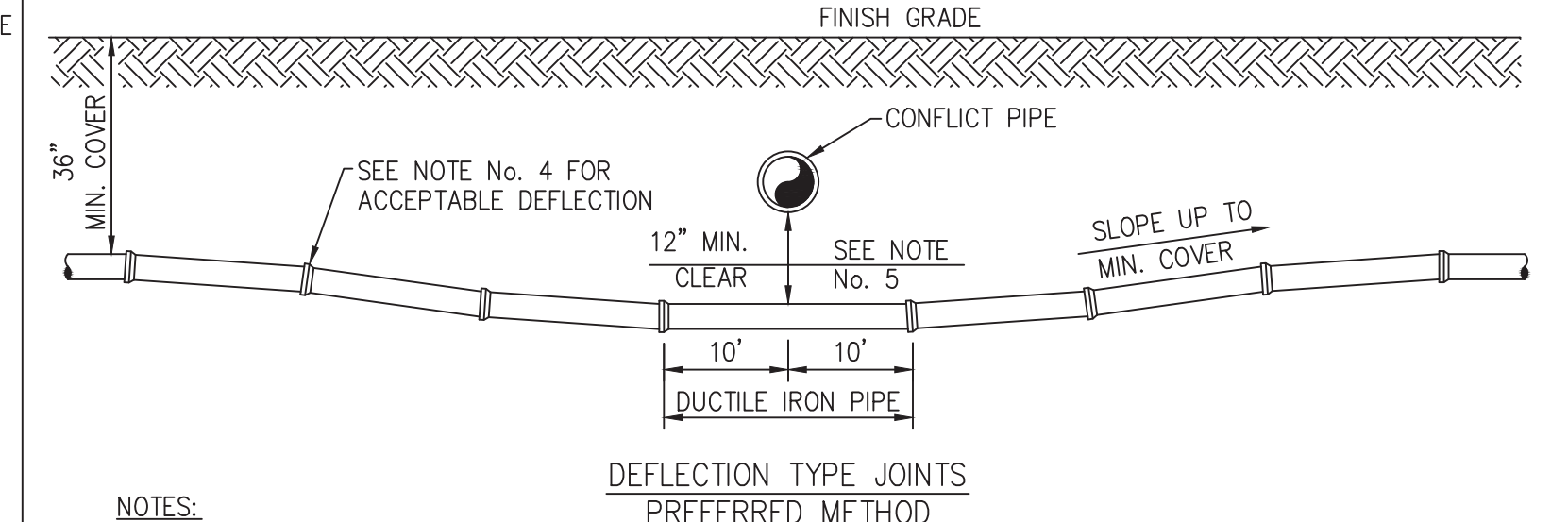
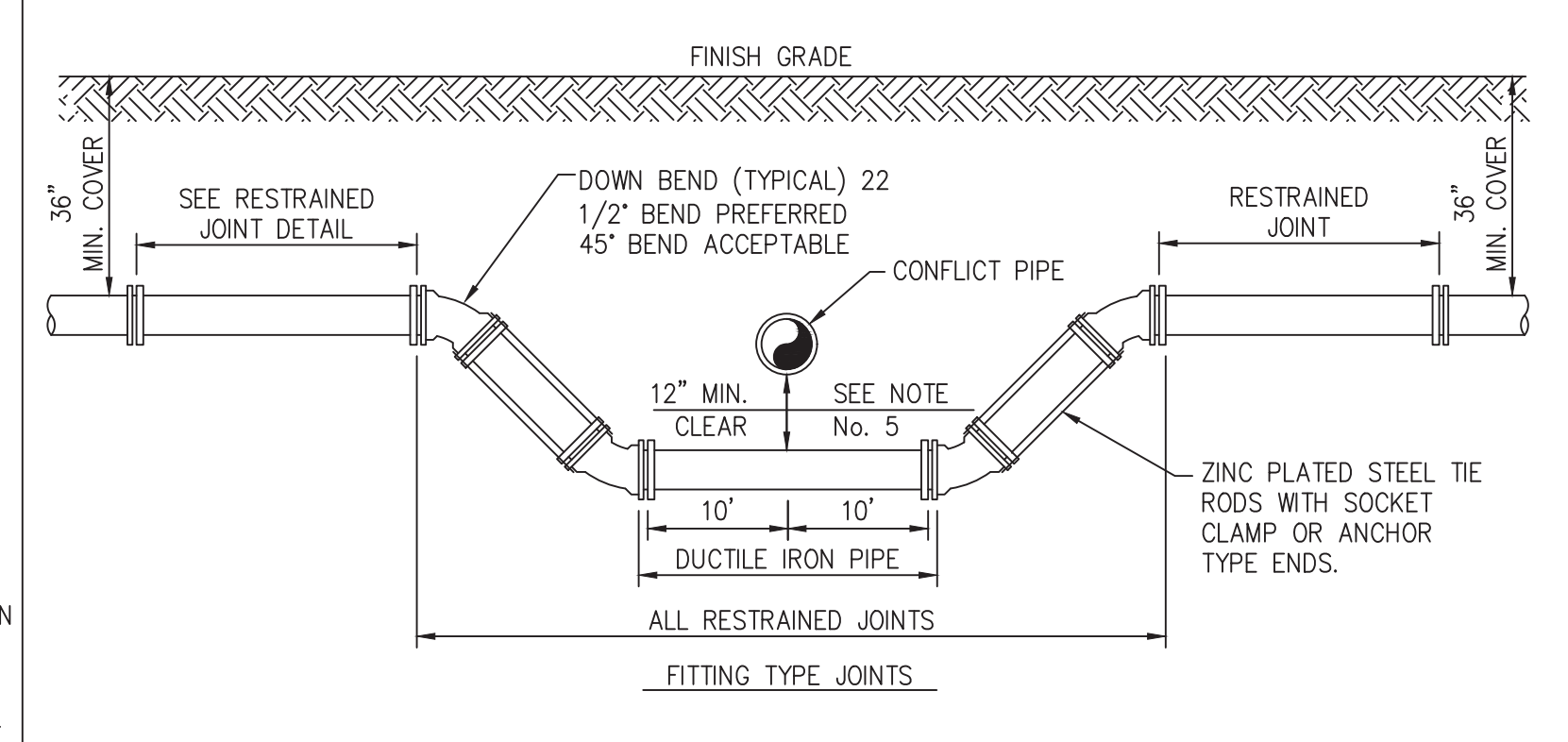
HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATERMANS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES AND ON SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

- NEW OR RELOCATED UNDERGROUND WATERMANS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATERMAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED SEWER, STORMWATER FORCEMAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 2-610, F.A.C.
- NEW OR RELOCATED UNDERGROUND WATERMANS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATERMAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
- NEW OR RELOCATED UNDERGROUND WATERMANS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATERMAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCEMAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATERMANS AND GRAVITY TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATERMAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
- NEW OR RELOCATED UNDERGROUND WATERMANS SHALL BE LAID TO PROVIDE A MINIMUM HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATERMAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED ON SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM AS DEFINED IN SECTION 381.0065(2), F.S. AND RULE 64E-6.002, F.A.C.

VERTICAL SEPARATION BETWEEN UNDERGROUND WATERMANS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCEMANS, AND RECLAIMED WATER PIPELINES.

- NEW OR RELOCATED UNDERGROUND WATERMANS CROSSING ANY EXISTING OR PROPOSED GRAVITY OR VACUUM TYPE SANITARY OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATERMAIN IS AT LEAST SIX INCHES, AND PREFERABLY TWELVE INCHES ABOVE, OR AT LEAST TWELVE INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATERMAIN ABOVE THE OTHER PIPELINE.
- NEW OR RELOCATED UNDERGROUND WATERMANS CROSSING ANY EXISTING OR PROPOSED PRESSURE TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPE LINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATERMAIN IS AT LEAST TWELVE INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATERMAIN ABOVE THE OTHER PIPELINE.
- AT THE UTILITY CROSSING DESCRIBED IN PARAGRAPH 1 AND 2 ABOVE, ONE FULL LENGTH OF WATERMAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATERMAIN JOINTS SHALL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATERMAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM TYPE SANITARY SEWER, STORM SEWERS, STORMWATER FORCEMANS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE TYPE SANITARY SEWERS, WASTEWATER FORCEMANS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER III 62-610, F.A.C.

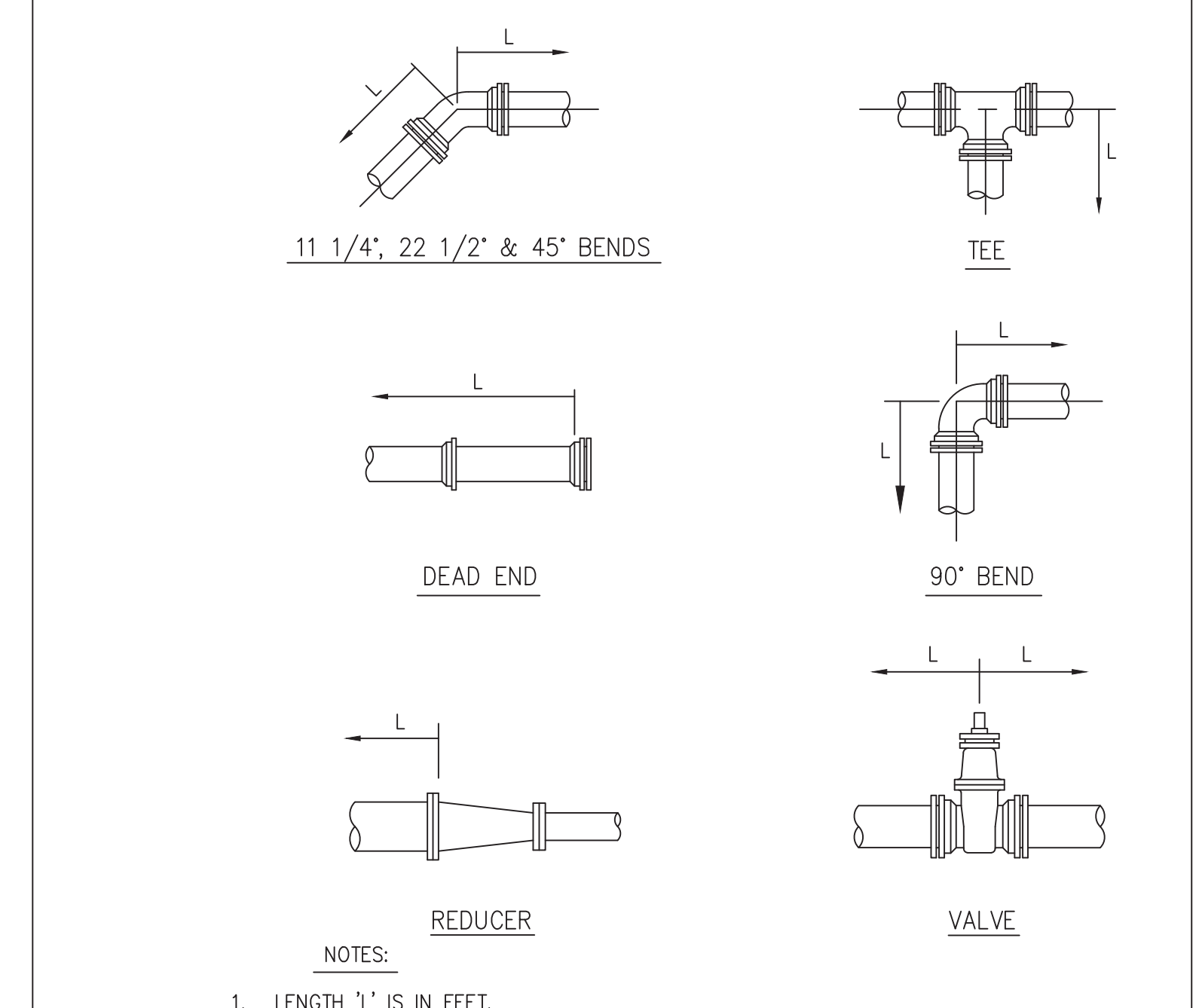
WATER AND SEWER SEPARATION CRITERIA 5



NOTES:

- THERE SHALL BE, IN ALL CASES, A MINIMUM OF 12" SEPARATION BETWEEN WATER MAINS AND FORCE MAINS.
- WHEREVER POSSIBLE WATER MAINS SHALL PASS OVER FORCE MAINS OR STORM SEWERS.
- FITTINGS SHALL BE RESTRAINED WITH MEGALUGS AND TIE RODS BETWEEN OFFSET FITTINGS. THRUST BLOCKS SHALL ONLY BE USED WITH THE APPROVAL OF THE ENGINEER.
- THE DEFLECTION TYPE CROSSING IS PREFERRED. SEE SPECIFICATIONS AND MANUFACTURER'S SUBMITTAL FOR MAXIMUM DEFLECTION ALLOWED.
- A MINIMUM OF 12" VERTICAL SEPARATION BETWEEN WATER MAINS AND STORM SEWERS SHALL BE MAINTAINED, WHERE THIS IS NOT POSSIBLE WATER MAIN SHALL BE D.I.P. WITH NO LESS THAN 6" SEPARATION.

PRESSURE PIPE CONFLICT 6



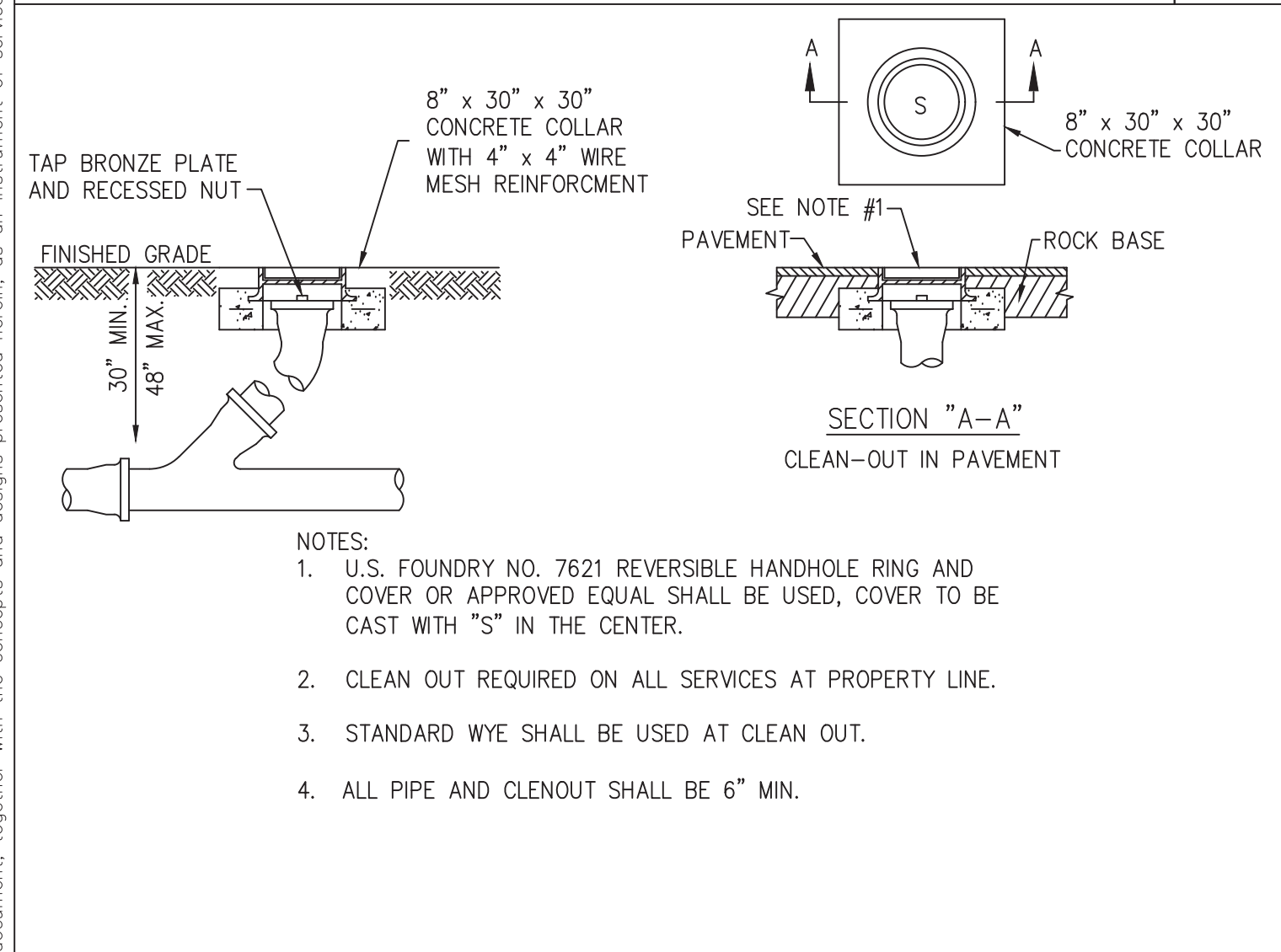
NOTES:

- LENGTH 'L' IS IN FEET.
- RESTRAINED LENGTHS ARE BASED ON THE FOLLOWING:
 - A. 150 PSI TEST PRESSURE
 - B. MIN. 30" COVER
 - C. PVC - PIPE SIZES 4" - 12"
 - D. DI - PIPE SIZES 4" - 48"
 - E. SANDY SOIL
 - F. SAFETY FACTOR OF 1.5.
- LENGTH 'L' SHOWN IN THE TABLE TO BE RESTRAINED IN THE DIRECTION OF THE ARROWS.

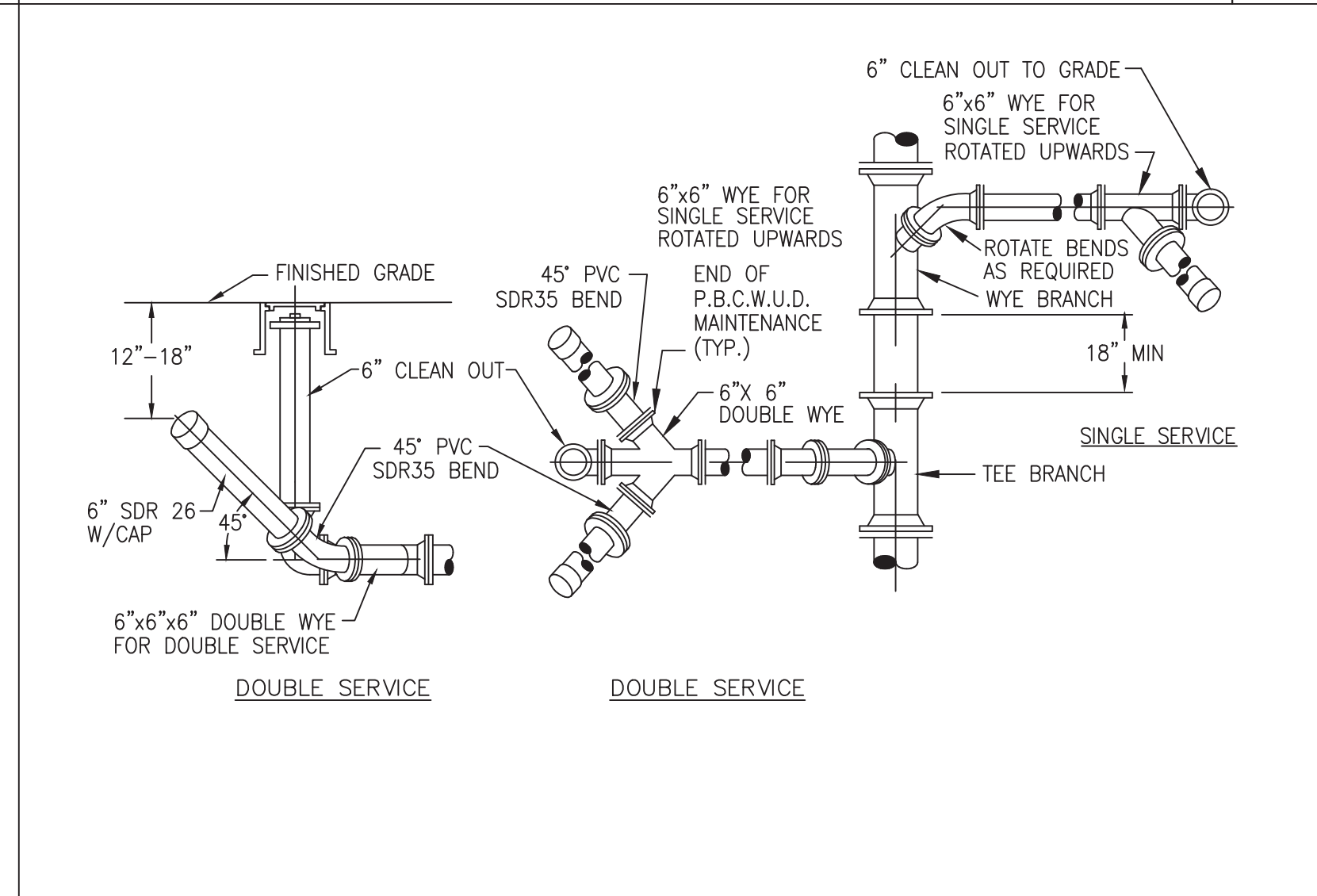
RESTRAINED PIPE JOINTS 7

FITTING TYPE	PIPE SIZE																		
	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"					
90° HORIZ. BEND	17	14	20	23	28	34	40	44	49	53	61	71	80	89	96				
45° HORIZ. BEND	7	6	10	11	12	13	14	15	16	18	20	22	25	29	33	37	40		
22.5° HORIZ. BEND	3	3	4	4	5	5	6	6	7	8	9	10	10	12	14	16	18	19	
11.25° HORIZ. BEND	2	2	2	2	3	3	3	4	4	4	4	5	5	6	7	8	9	10	
45° VERT. OFFSET	19	12	17	22	27	32	36	40	44	48	55	67	77	86	95				
22.5° VERT. OFFSET	9	6	8	10	11	12	13	14	15	17	19	21	23	27	32	37	41	46	
11.25° VERT. OFFSET	5	3	4	4	5	5	6	6	7	8	9	11	13	14	15				
DEAD END AND INLINE VALVE	46	36	51	58	67	78	86	97	107	117	136	162	186	208	229				
TEE (BRANCH RESTRAINT)	4" x 4"	21	18	25	31	37	44	51	58	66	74	83	93	103	113	124	135	146	
	6" x 4"	39	33	45	54	63	73	83	93	104	115	127	140	153	166	180	194	208	
	8" x 4"	59	50	66	79	92	106	121	136	151	167	183	201	219	238	257	276	295	
	10" x 4"	79	67	88	105	123	142	161	180	200	220	241	263	285	308	331	354	377	
	12" x 4"	99	84	109	129	150	172	195	218	242	266	291	316	341	367	392	418	443	468
	14" x 4"	119	101	130	153	177	202	227	253	279	305	331	358	384	411	438	465	492	519
	16" x 4"	139	118	150	176	202	229	257	285	313	341	370	399	428	457	486	515	544	573
	18" x 4"	159	135	170	200	228	258	288	318	348	378	408	438	468	498	528	558	588	618
REDUCER (LARGER PIPE RESTRAINT)	4" x 6"	34	29	39	47	56	65	74	84	94	104	114	124	134	144	154	164	174	
	6" x 8"	61	52	68	82	97	112	127	142	157	172	187	197	207	217	227	237	247	
	8" x 10"	83	71	93	111	130	149	168	187	206	225	244	263	282	301	320	339	358	377
	10" x 12"	104	90	115	137	160	183	206	229	252	275	298	321	344	367	390	413	436	459
	14" x 16"	143	124	158	186	214	242	270	298	326	354	382	410	438	466	494	522	550	578
	16" x 18"	164	142	180	212	244	276	308	340	372	404	436	468	499	531	563	595	627	659
	20" x 24"	203	177	220	257	294	331	368	405	442	479	516	553	590	627	664	701	738	775
	24" x 30"	242	212	260	302	344	386	428	470	512	554	596	638	680	722	764	806	848	890
36" x 42"	321	276	330	384	438	492	546	600	654	708	762	816	870	924	978	1032	1086	1140	
42" x 48"	360	312	370	428	486	544	602	660	718	776	834	892	950	1008	1066	1124	1182	1240	

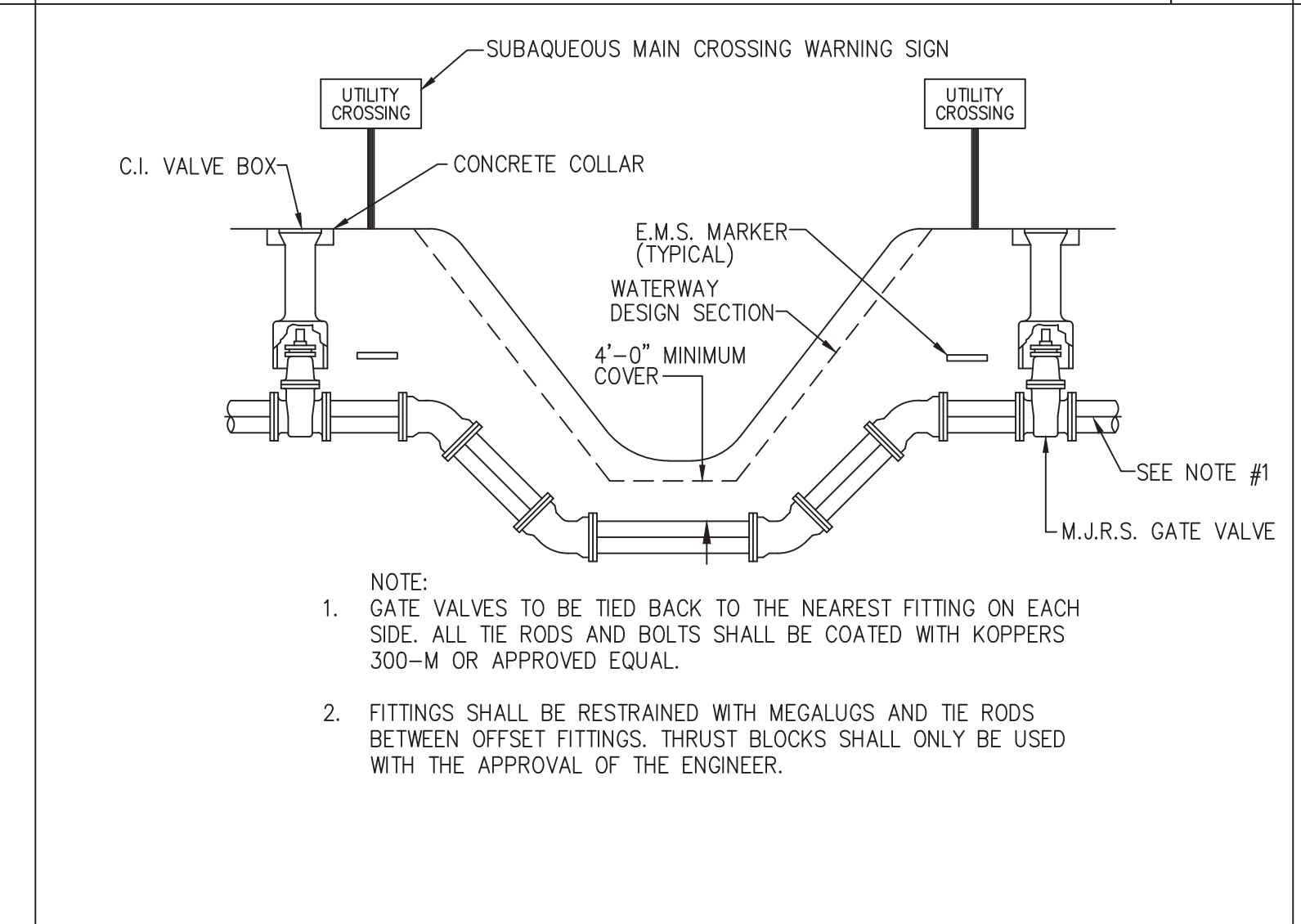
MECHANICAL THRUST RESTRAINT - MINIMUM PIPE LENGTHS 8



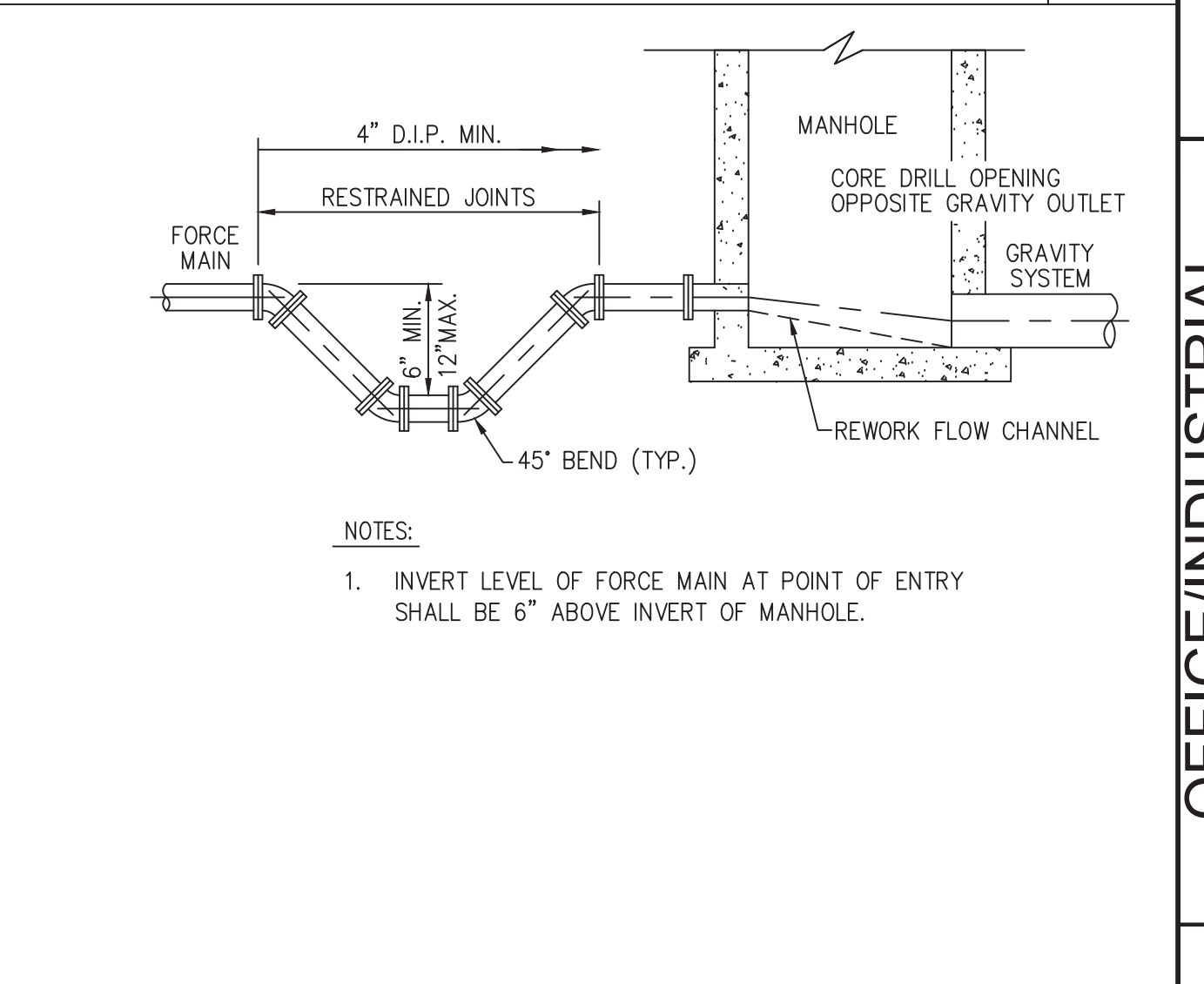
CLEAN OUT 9



TYPICAL WASTEWATER SERVICE CONNECTION 10



SUBAQUEOUS CROSSING 11



FORCE MAIN ENTERING MANHOLE 12

NO.	REVISIONS	DATE

Kimley-Horn

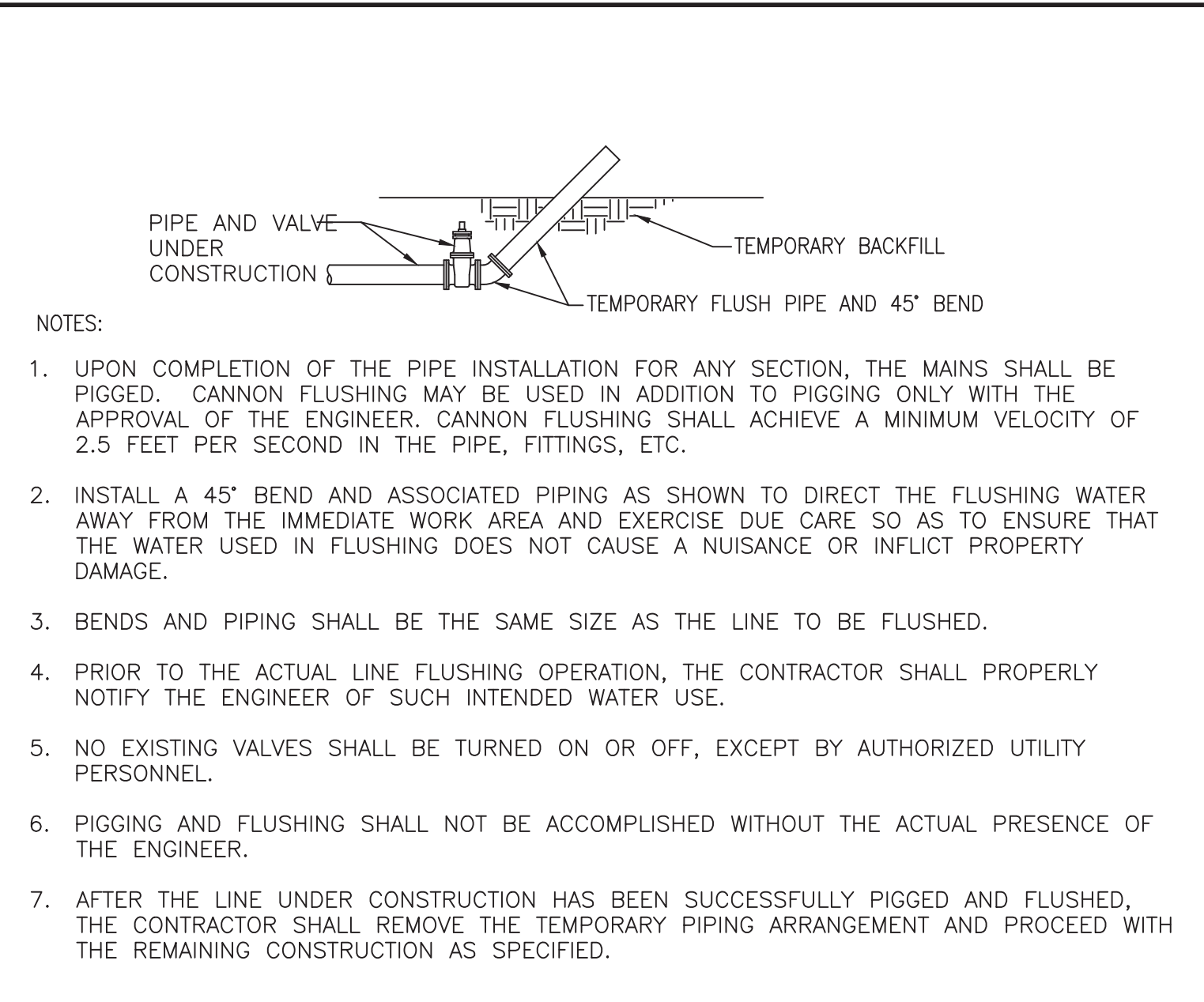
© 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 00000696

Professional Engineer
 State of Florida
 License No. 74543

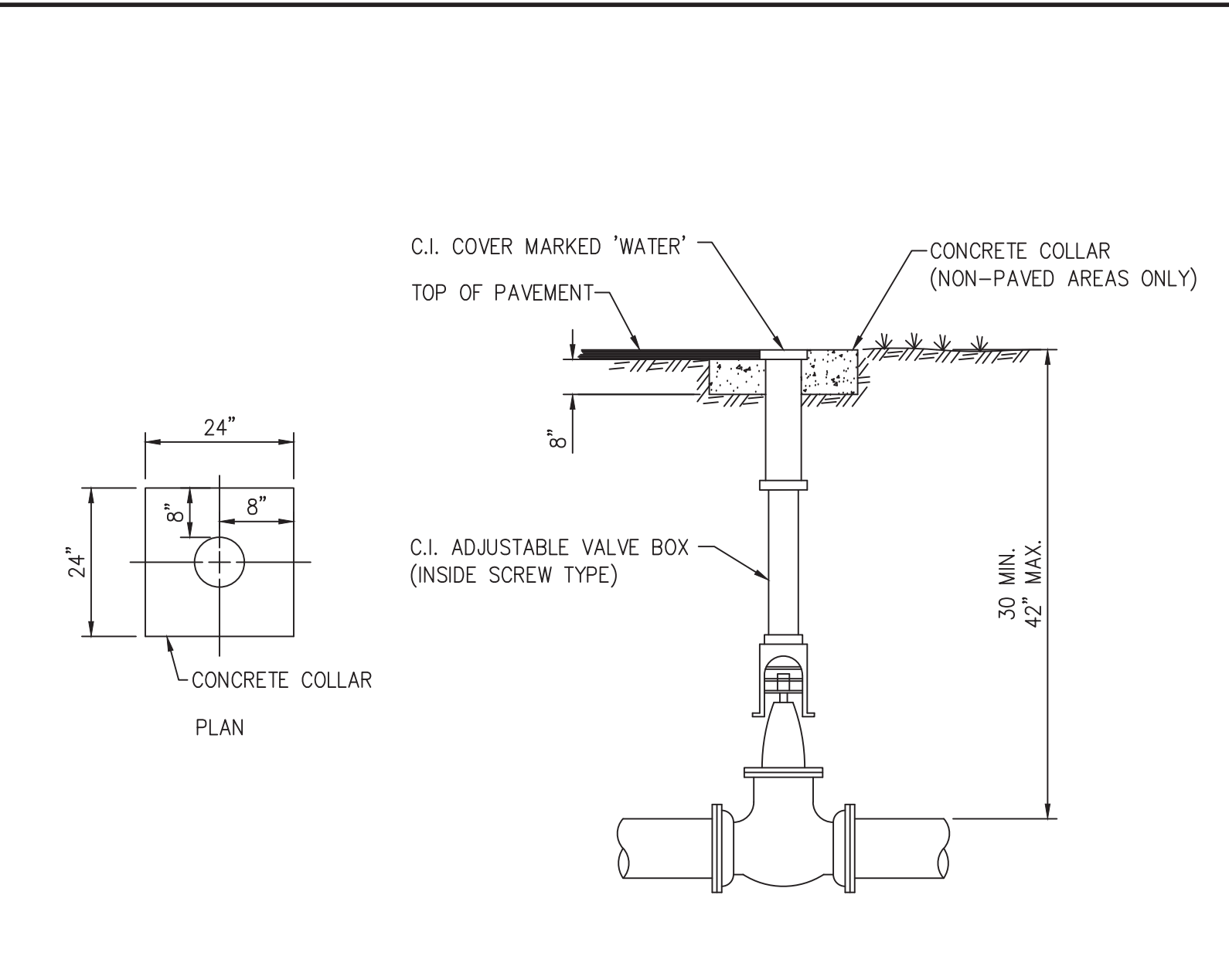
CITY OF LAKE WORTH BEACH
SEWER DETAILS

OFFICE/INDUSTRIAL FACILITY
 PREPARED FOR
UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH, FLORIDA

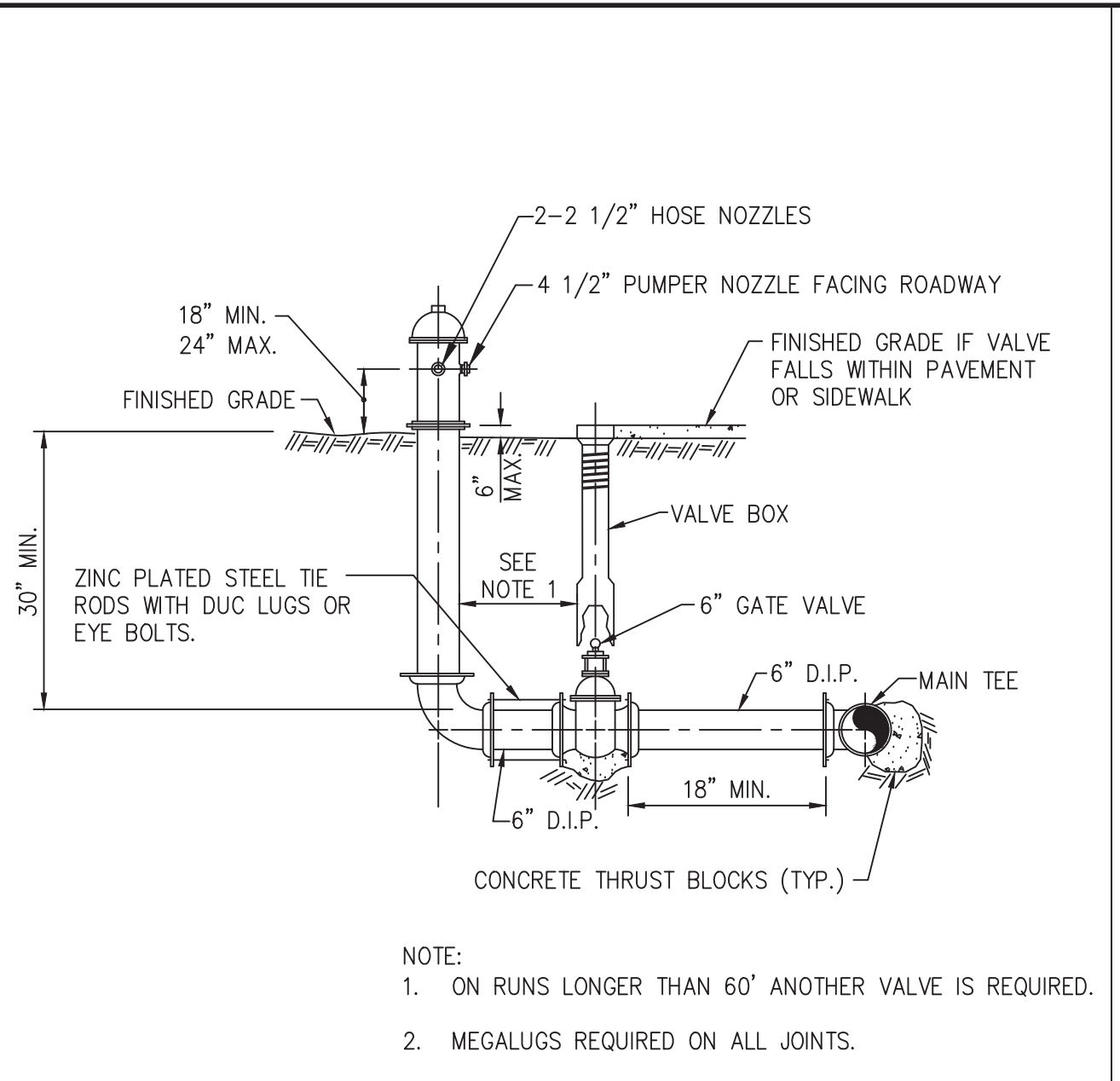
Plotted By: Benolozor, Marcel Sheet Set: DOKA LAKE WORTH Layout: C-304 CITY OF LAKE WORTH BEACH WATER DETAILS November 12, 2020 03:26:50pm C:\Users\Marcel\Benolozor\Desktop\DOKA\CADD\Drawings\C-302 UTILITY DETAILS.dwg
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and approval by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



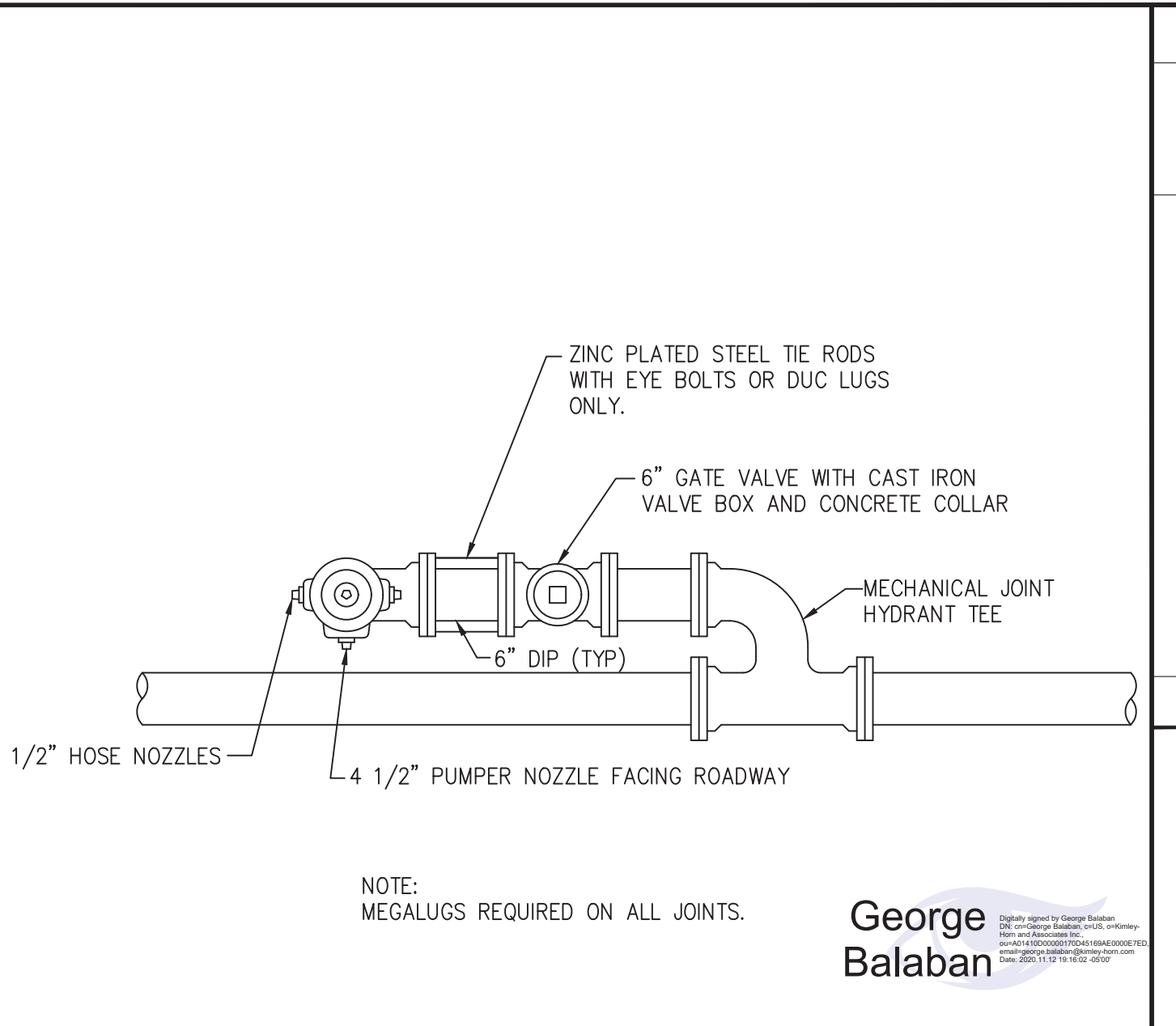
PIGGING AND CANNON FLUSHING 1



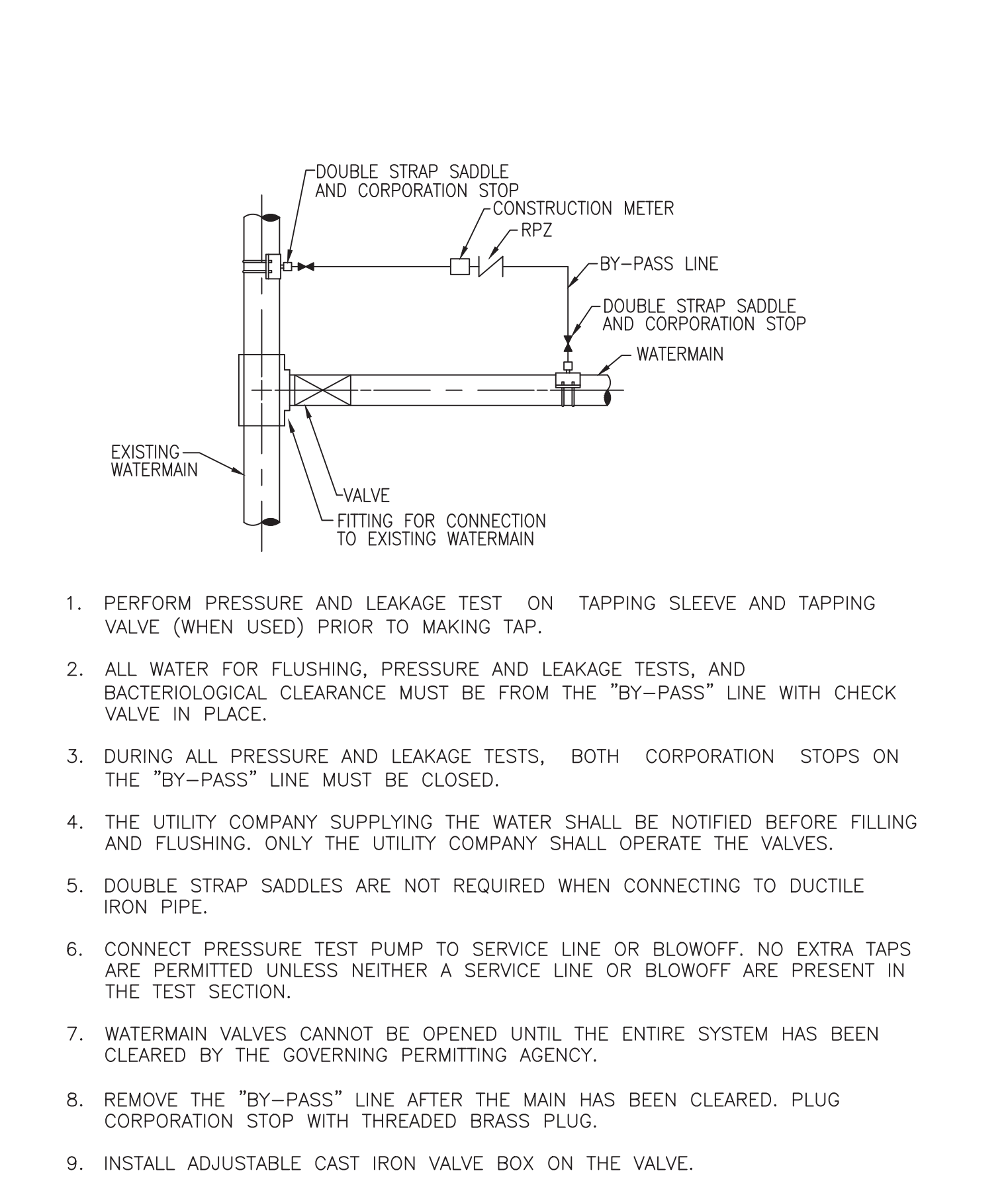
VALVE SETTING 2



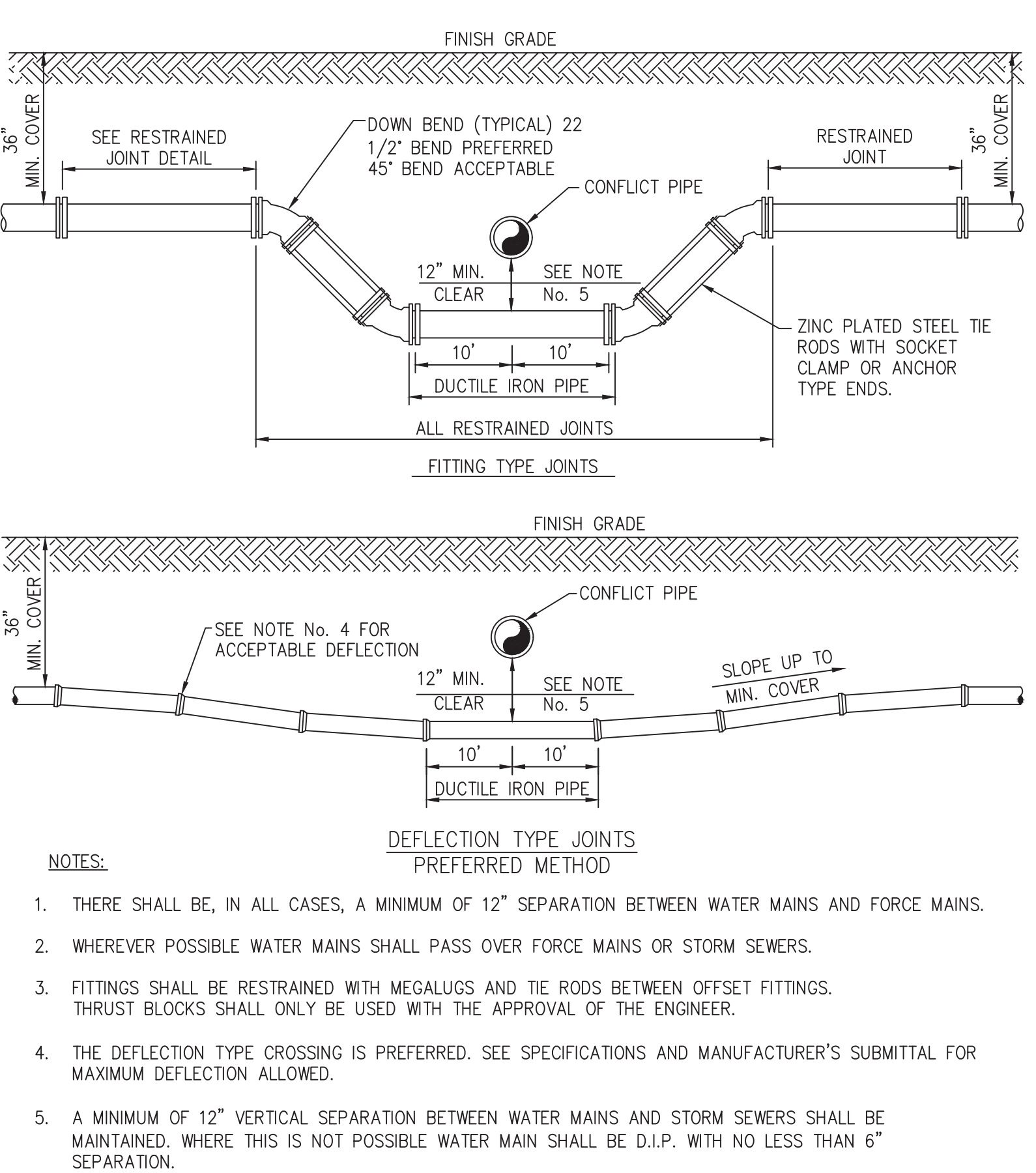
FIRE HYDRANT INSTALLATION 3



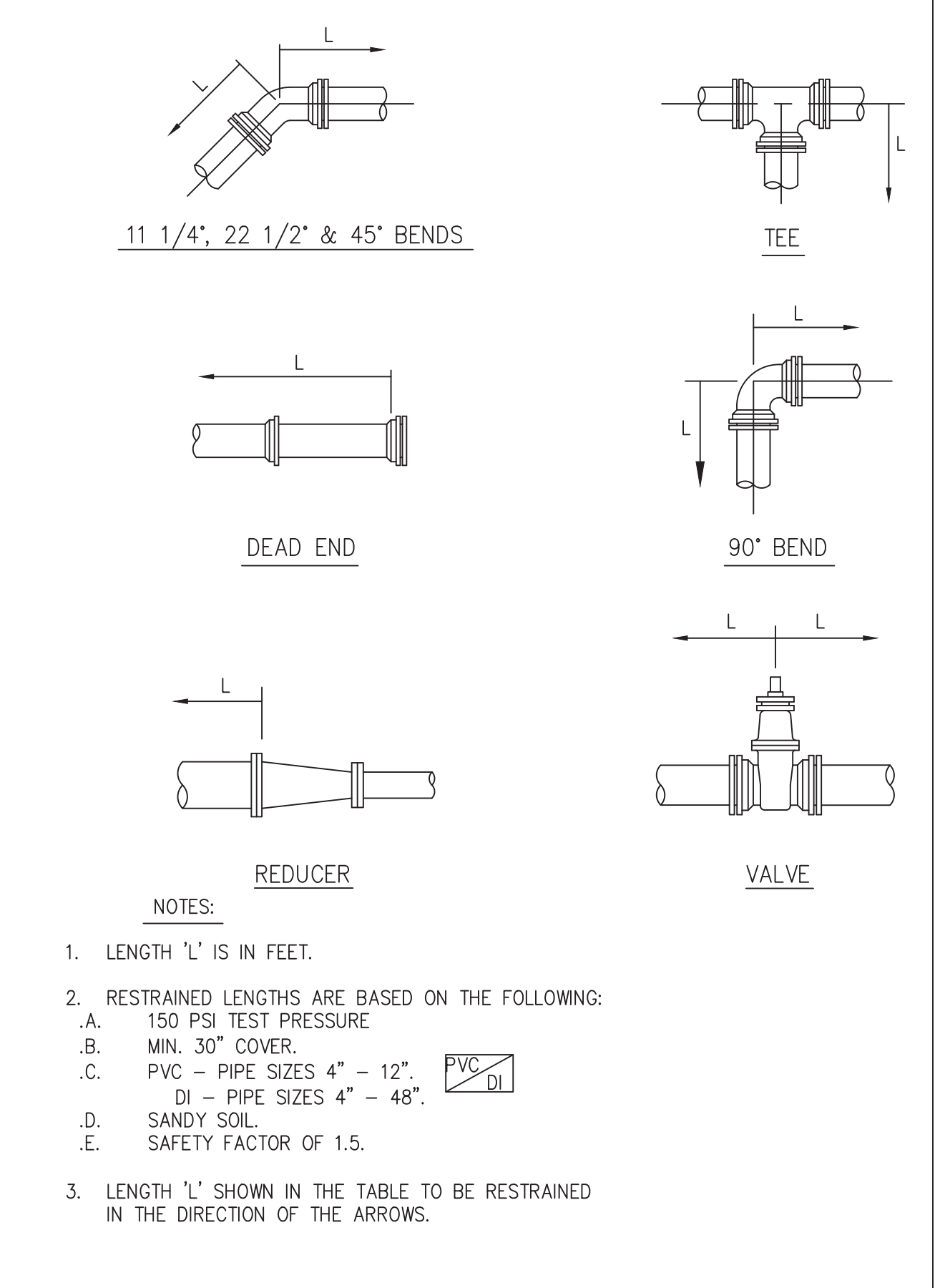
FIRE HYDRANT INSTALLATION PARALLEL TO WATERMAIN 4



DOUBLE VALVE CONNECTION 5



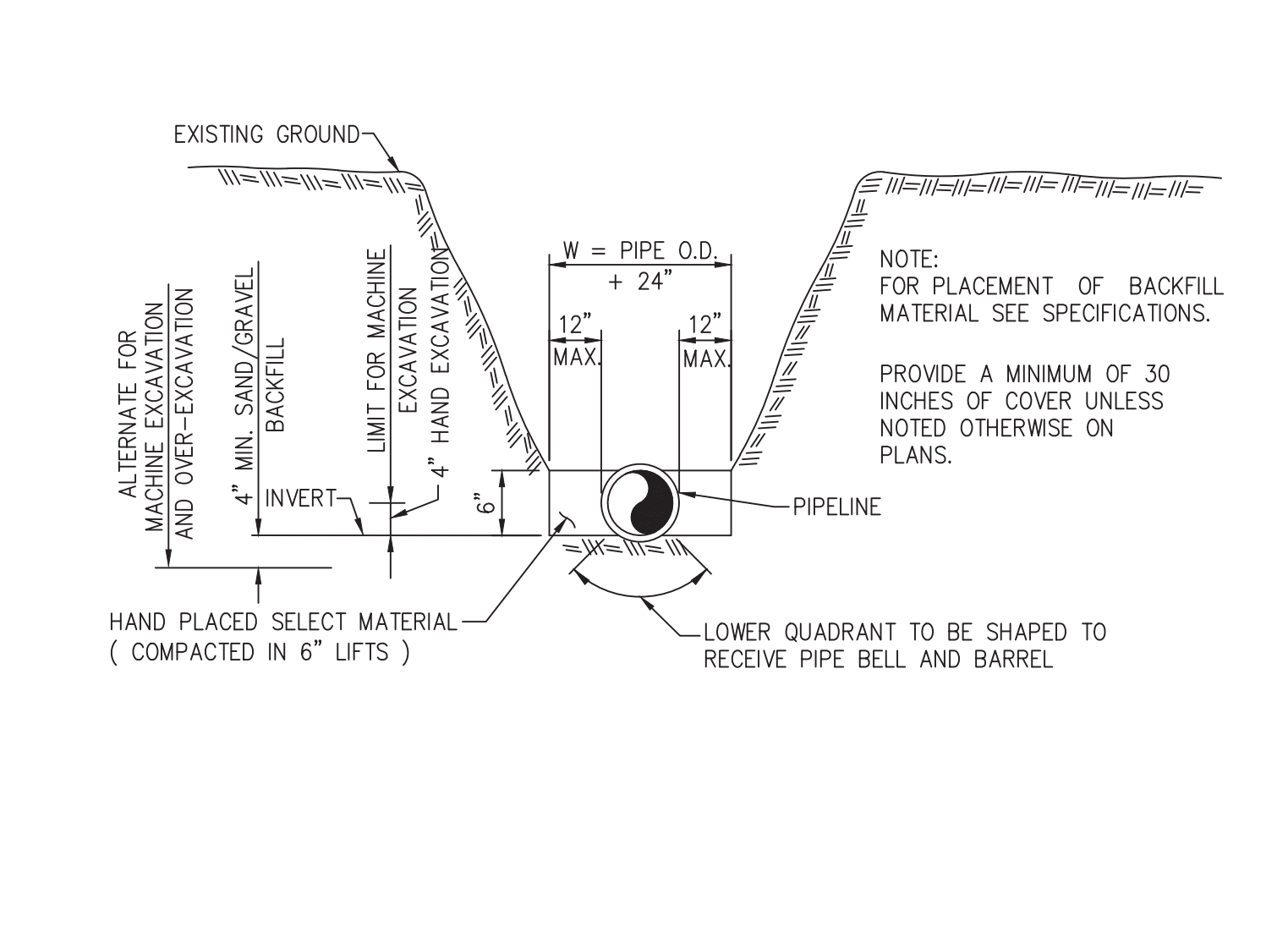
PRESSURE PIPE CONFLICT 6



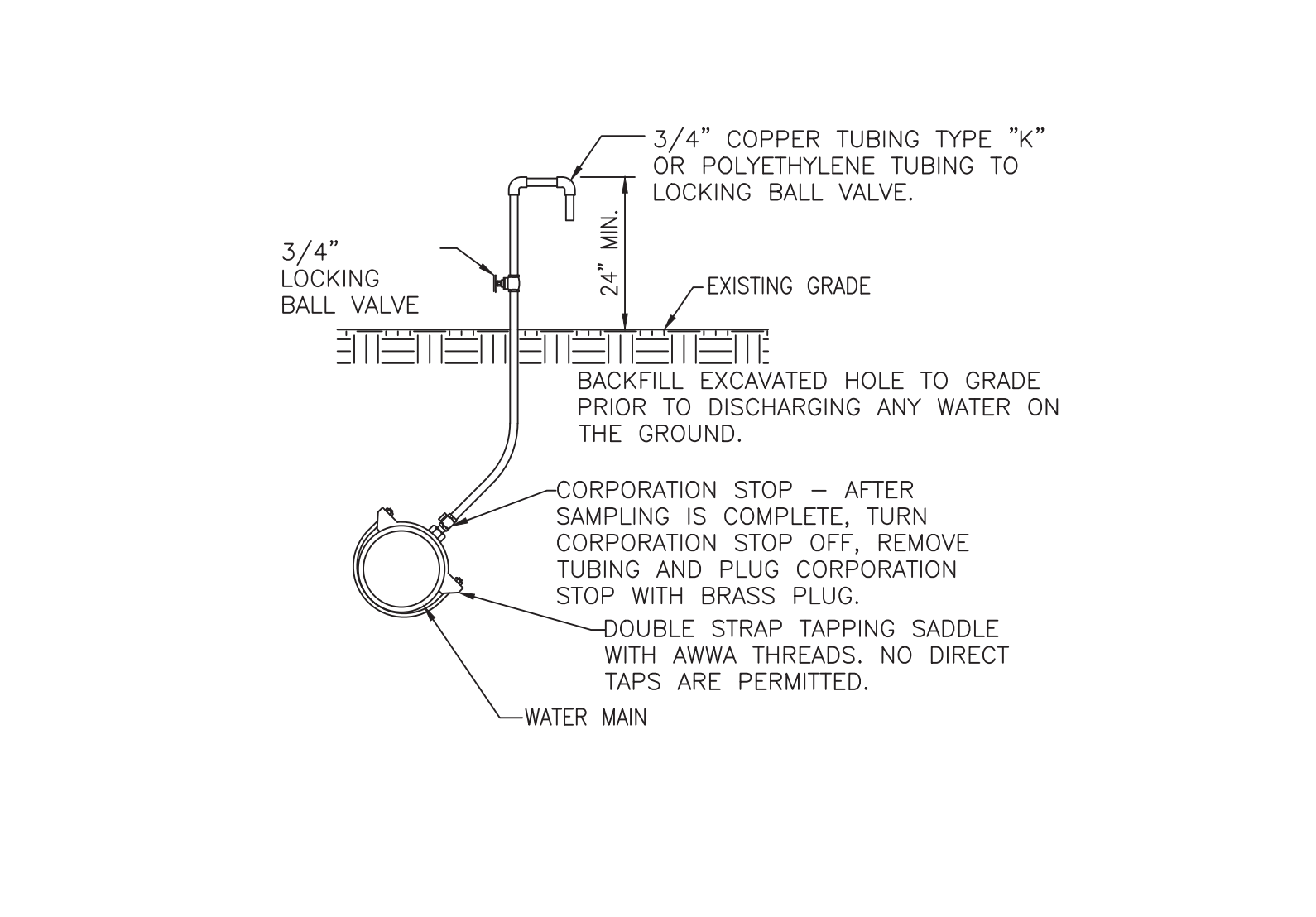
RESTRAINED PIPE JOINTS 7

FITTING TYPE	PIPE SIZE															
	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"		
90° HORIZ. BEND	17	14	12	10	8	6	5	4	3	2	1	1	1	1	1	1
45° HORIZ. BEND	7	6	5	4	3	2	1	1	1	1	1	1	1	1	1	1
22.5° HORIZ. BEND	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1
11.25° HORIZ. BEND	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
45° VERT. OFFSET	19	12	10	8	6	5	4	3	2	1	1	1	1	1	1	1
22.5° VERT. OFFSET	9	6	5	4	3	2	1	1	1	1	1	1	1	1	1	1
11.25° VERT. OFFSET	5	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1
DEAD END AND INLINE VALVE	48	66	88	111	133	166	200	244	288	360	440	528	616	704	792	880
TEE (BRANCH RESTRAINT)	4"x	21	13	9	6	4	3	2	1	1	1	1	1	1	1	1
	6"x	59	35	23	15	10	7	5	4	3	2	1	1	1	1	1
	8"x	99	59	39	25	16	11	7	5	4	3	2	1	1	1	1
	10"x	139	83	55	35	22	14	9	6	4	3	2	1	1	1	1
	12"x	179	107	70	45	28	18	11	7	5	4	3	2	1	1	1
	14"x	219	131	87	55	34	21	13	8	5	4	3	2	1	1	1
	16"x	259	155	102	65	40	24	15	9	6	4	3	2	1	1	1
	18"x	299	179	117	75	46	27	16	10	6	5	4	3	2	1	1
REDUCER (LARGER PIPE RESTRAINT)	6"x	34	21	14	9	6	4	3	2	1	1	1	1	1	1	1
	8"x	61	38	25	16	10	7	5	4	3	2	1	1	1	1	1
	10"x	87	53	35	22	14	9	6	4	3	2	1	1	1	1	1
	12"x	113	70	45	28	18	11	7	5	4	3	2	1	1	1	1
	14"x	139	87	55	34	21	13	8	5	4	3	2	1	1	1	1
	16"x	165	102	65	40	24	15	9	6	4	3	2	1	1	1	1
	18"x	191	117	75	46	27	16	10	6	5	4	3	2	1	1	1
	20"x	217	131	87	55	34	21	13	8	5	4	3	2	1	1	1

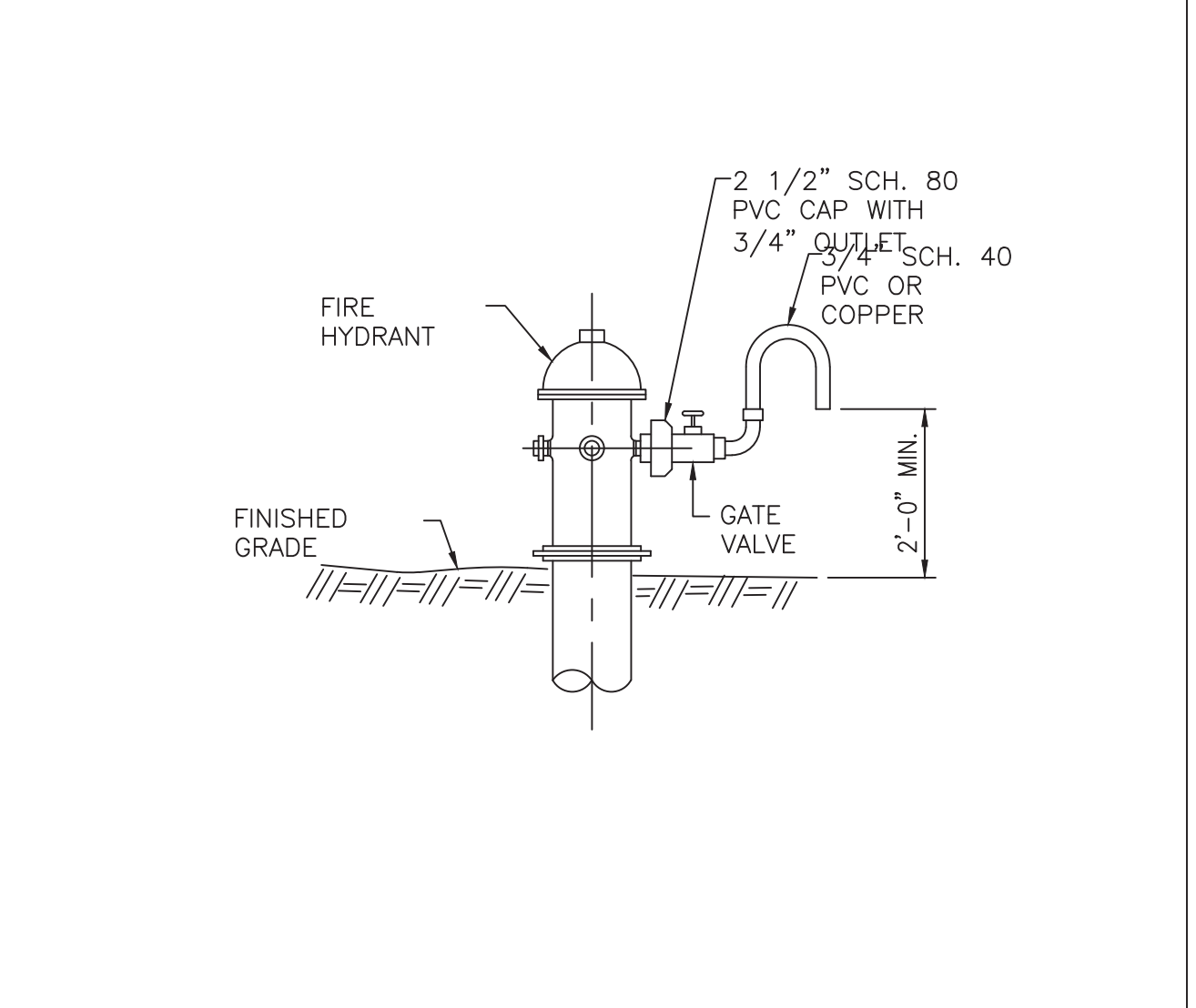
MECHANICAL THRUST RESTRAINT - MINIMUM PIPE LENGTHS 8



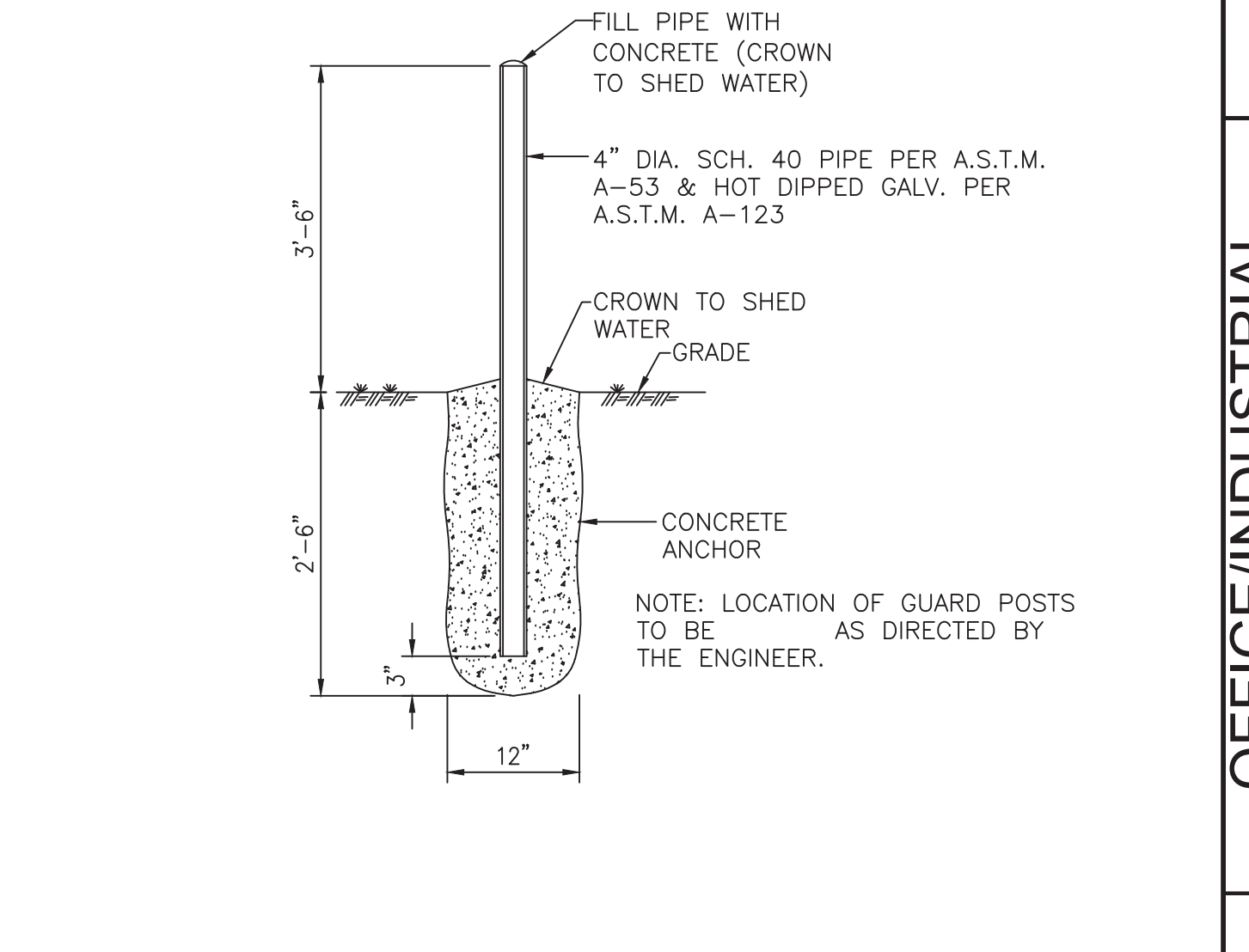
TRENCHING 9



SAMPLING POINT 10



SAMPLE POINT ON FIRE HYDRANT 11



GUARD POST 12

Kimley-Horn & Associates, Inc.
2020 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM CA 0000696

REVISIONS

NO. DATE

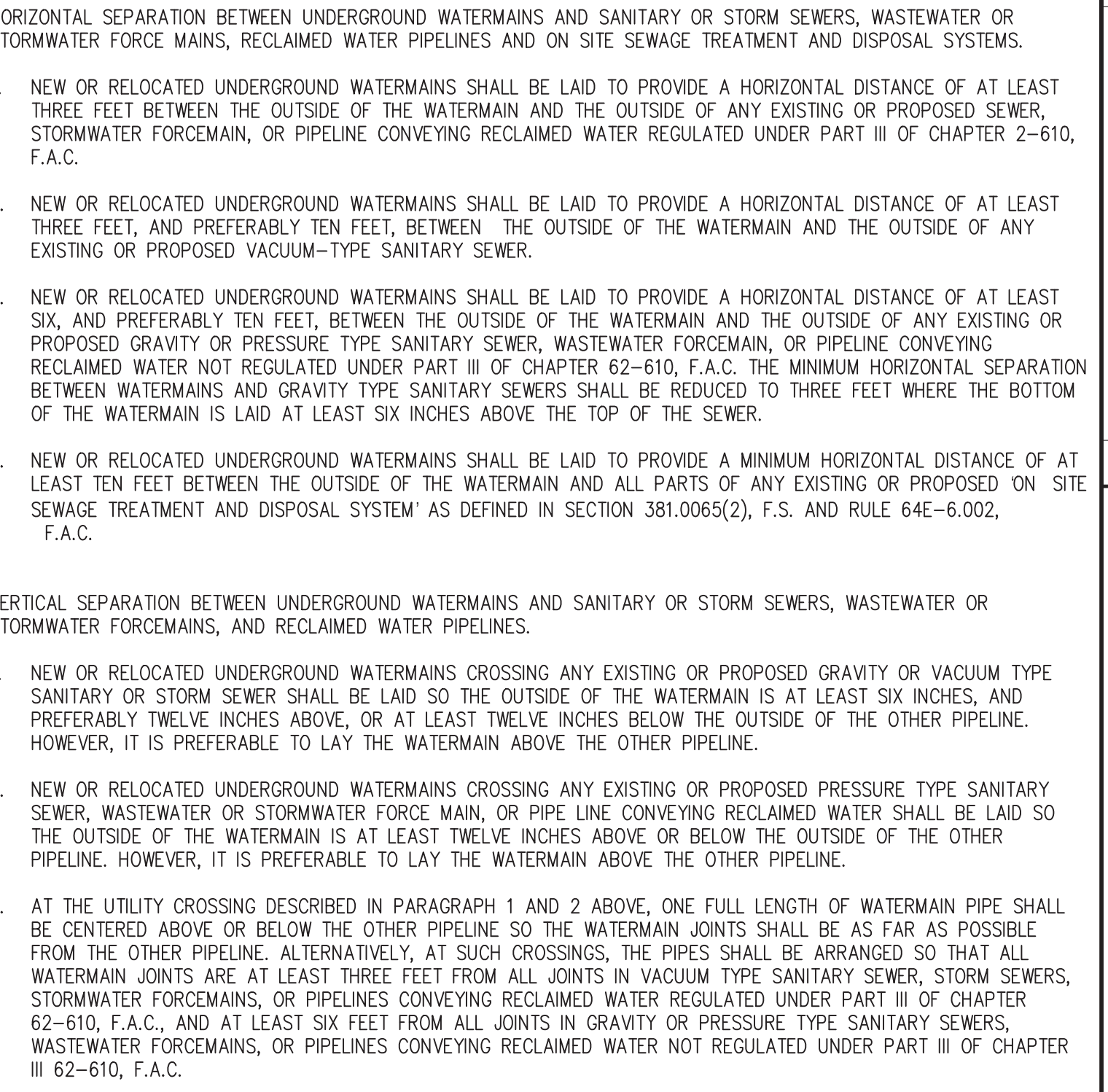
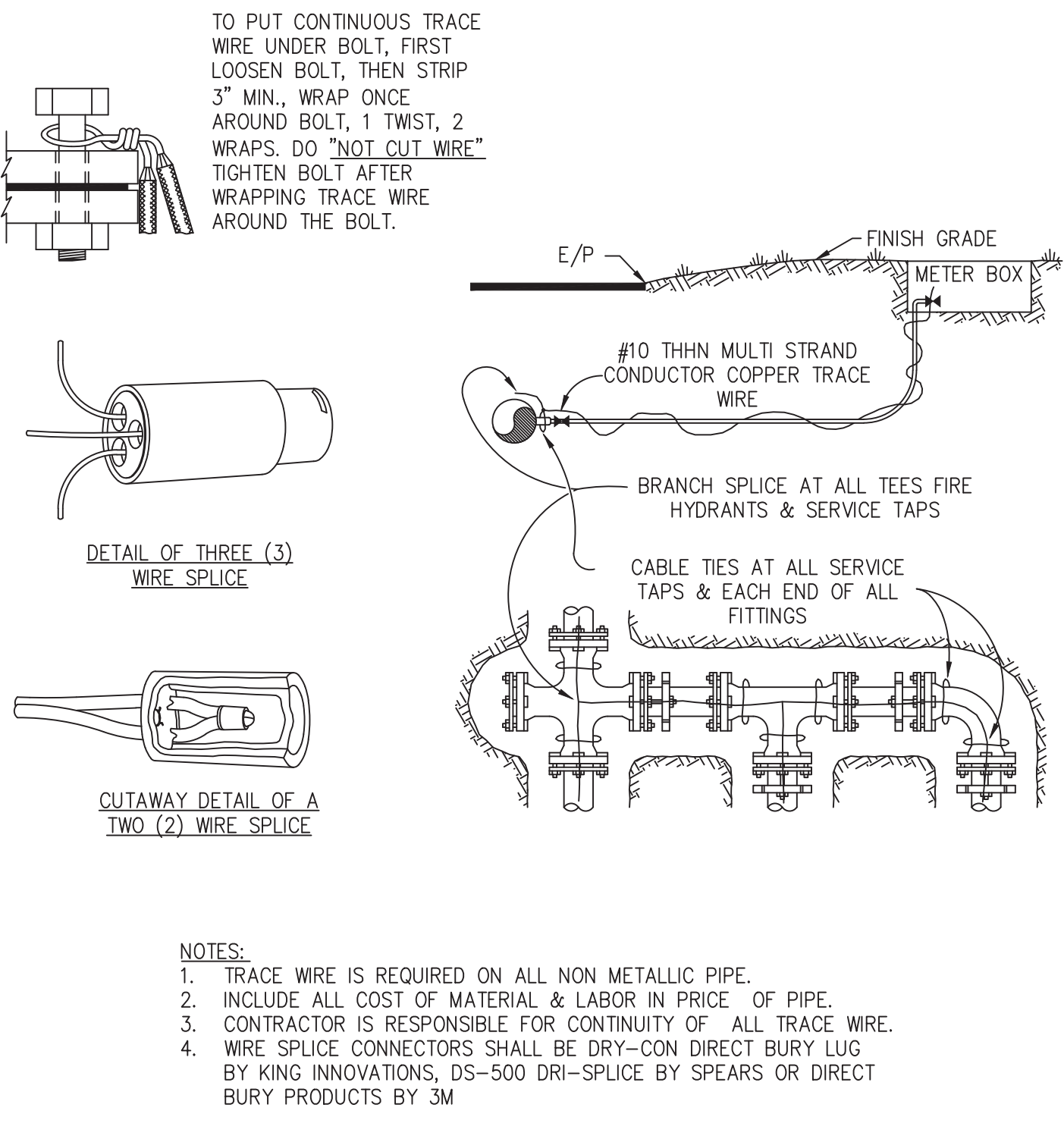
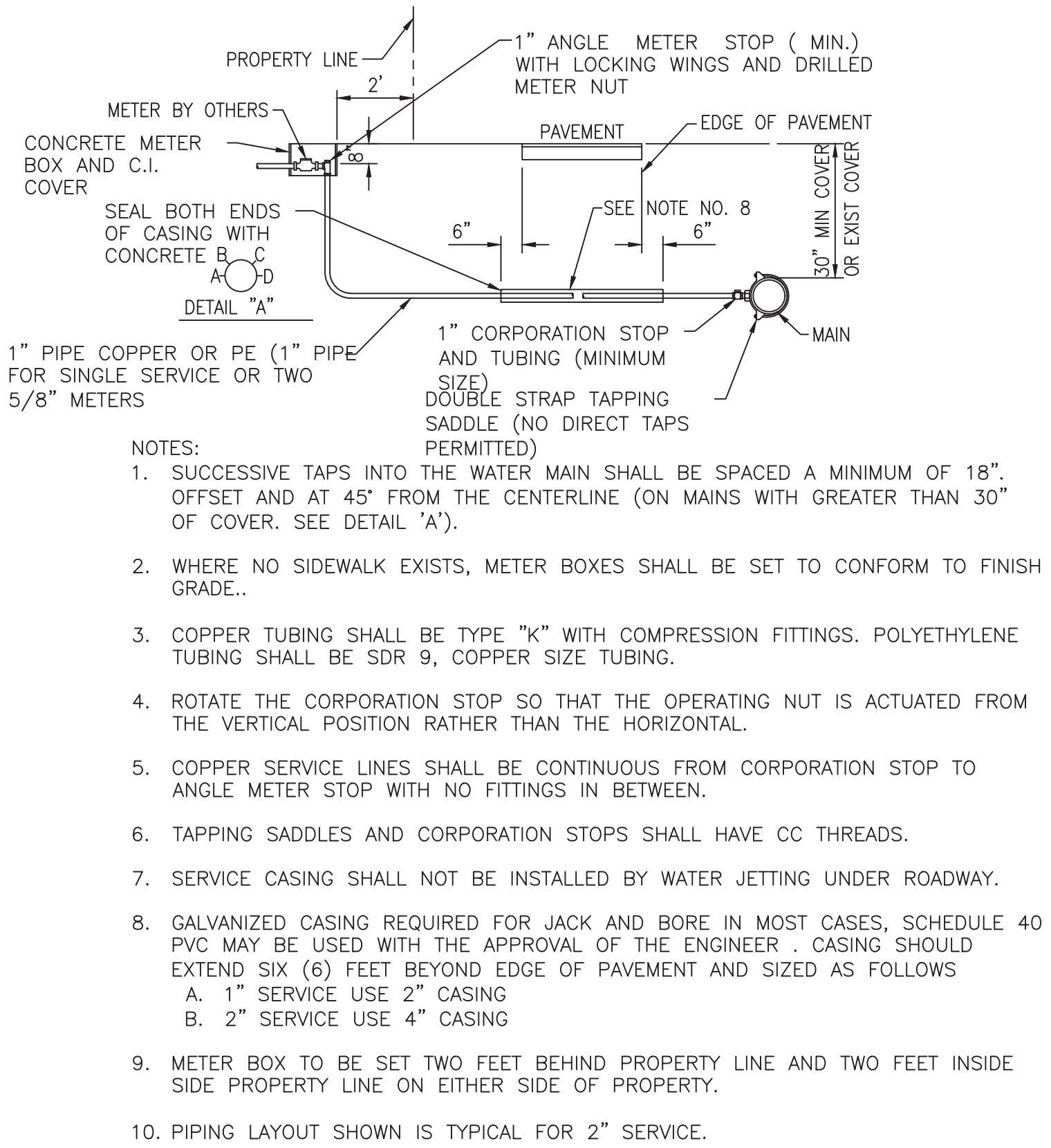
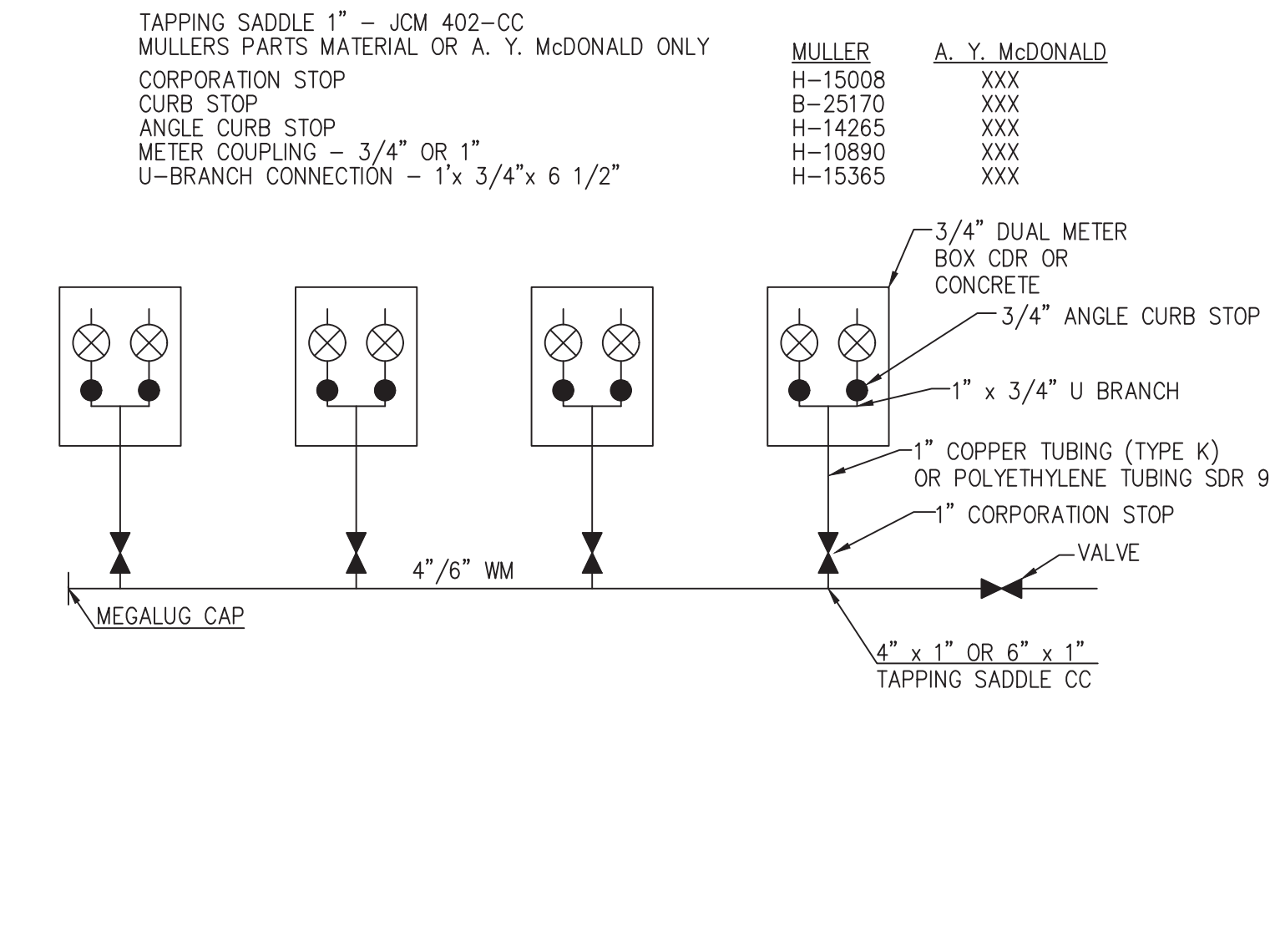
KHA PROJECT 143189000
DATE 9/2/2020
SCALE AS SHOWN
DESIGNED BY GB
DRAWN BY MB
CHECKED BY GB

CITY OF LAKE WORTH BEACH
WORTH BEACH WATER DETAILS

OFFICE/INDUSTRIAL FACILITY
PREPARED FOR UMDASCH REAL ESTATE USA LTD.
LAKE WORTH BEACH FLORIDA

SHEET NUMBER C-304

Plotted By: Benolozor, Marcel | Sheet Set: DOKA LAKE WORTH - Layout: C-305, CITY OF LAKE WORTH BEACH WATER DETAILS - November 12, 2020, 03:26:50pm - C:\Users\Marcel\Bentolozor\Desktop\DOKA\CADD\Drawings\C-302 UTILITY DETAILS.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

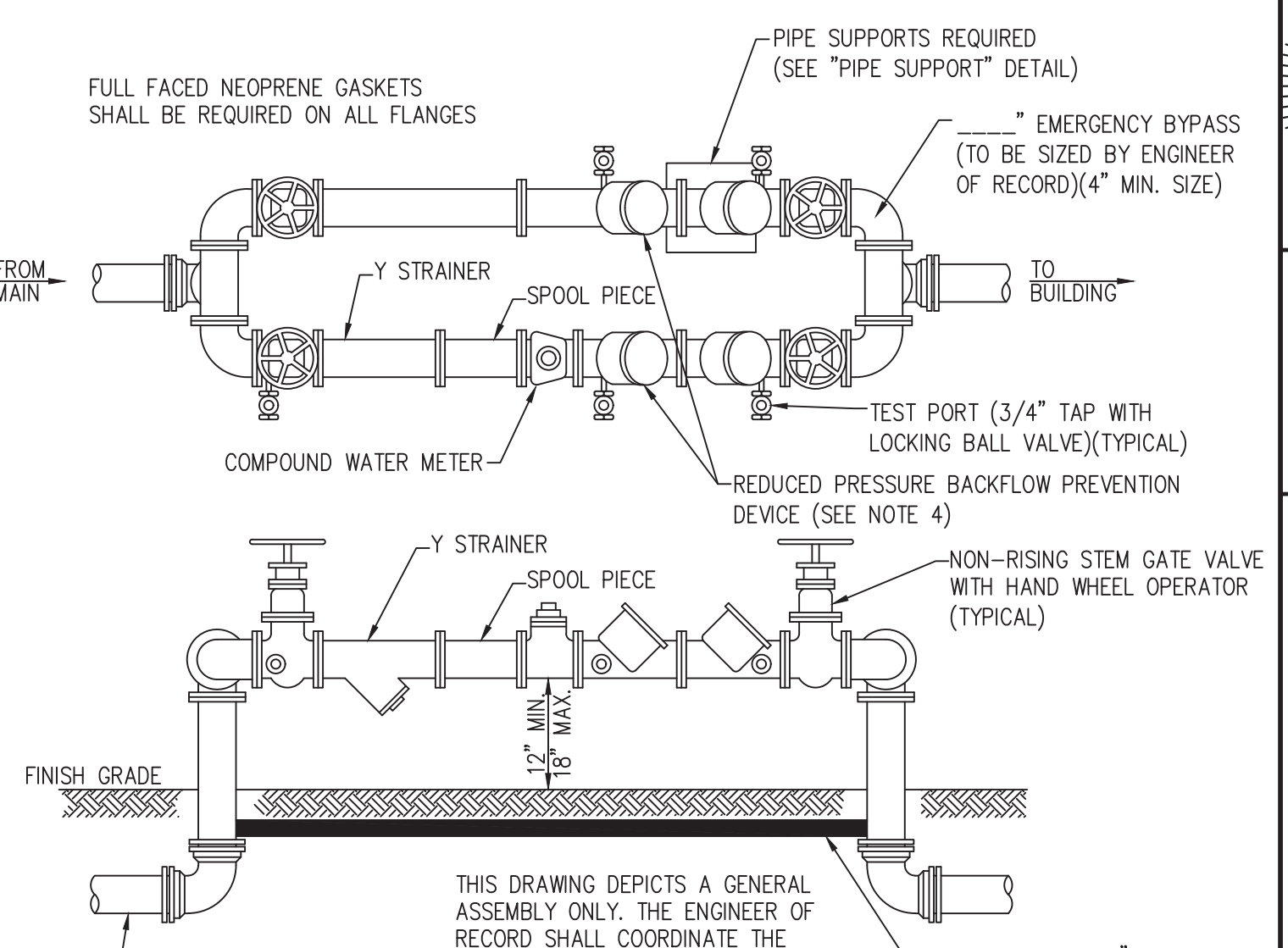
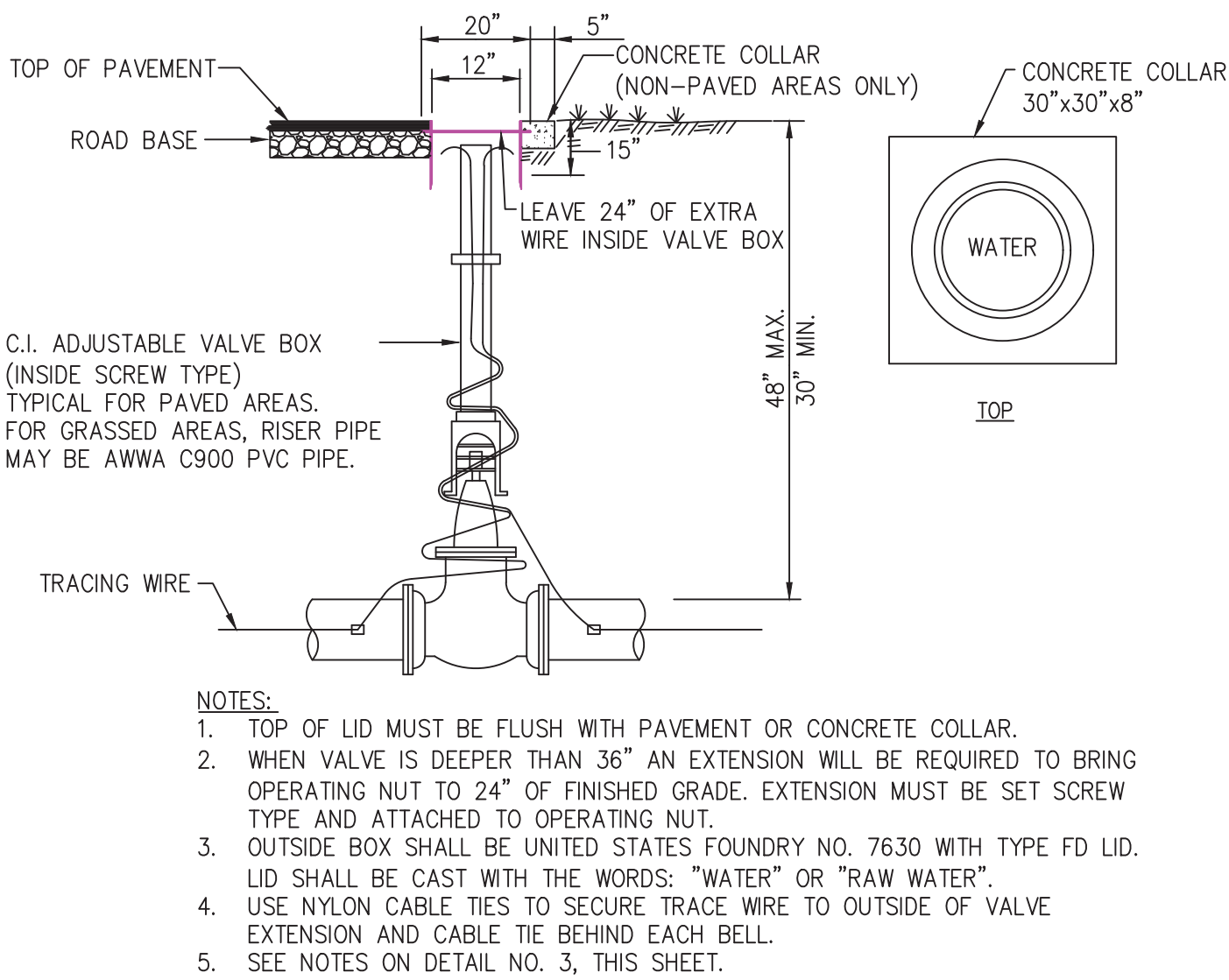
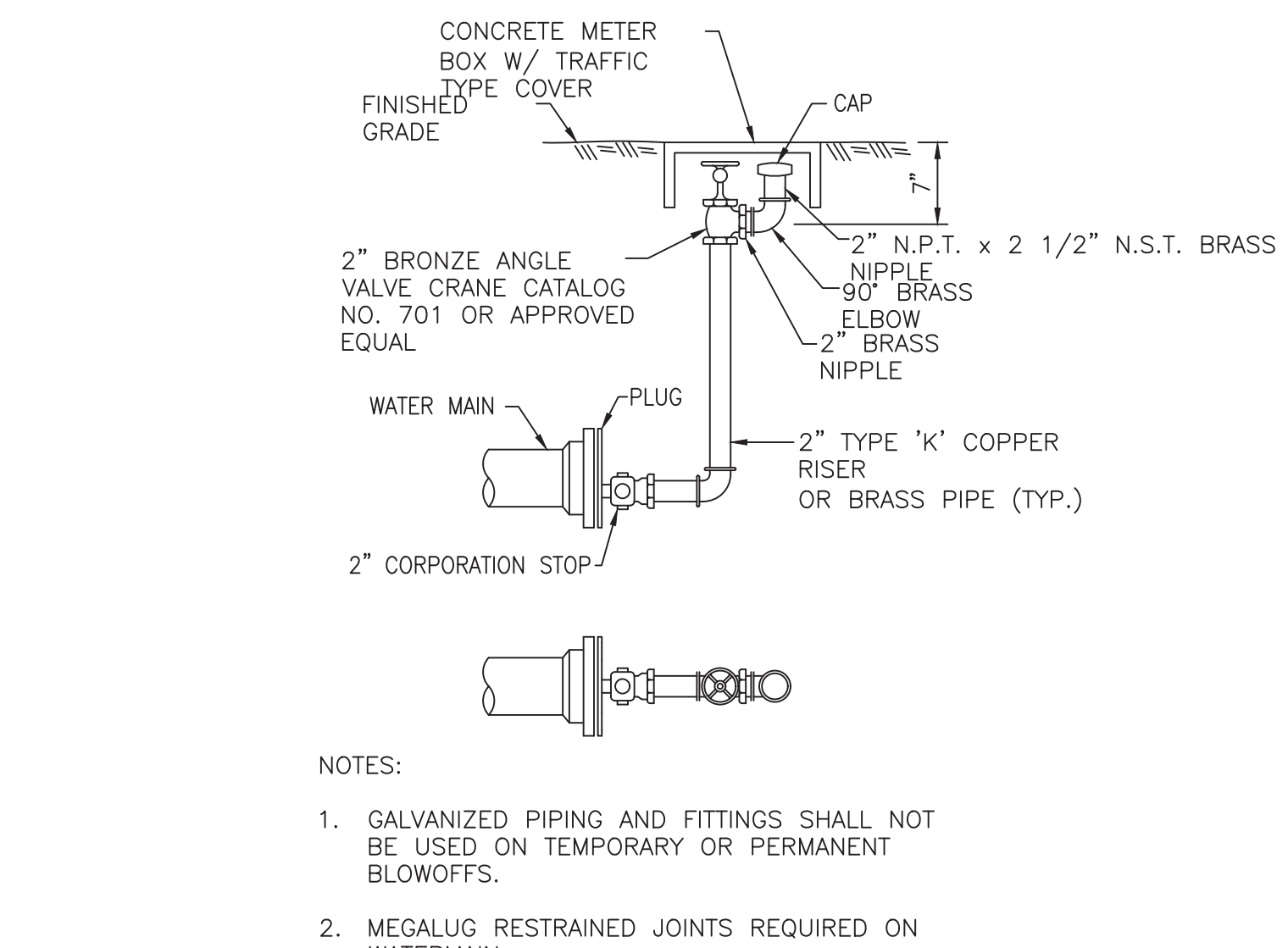
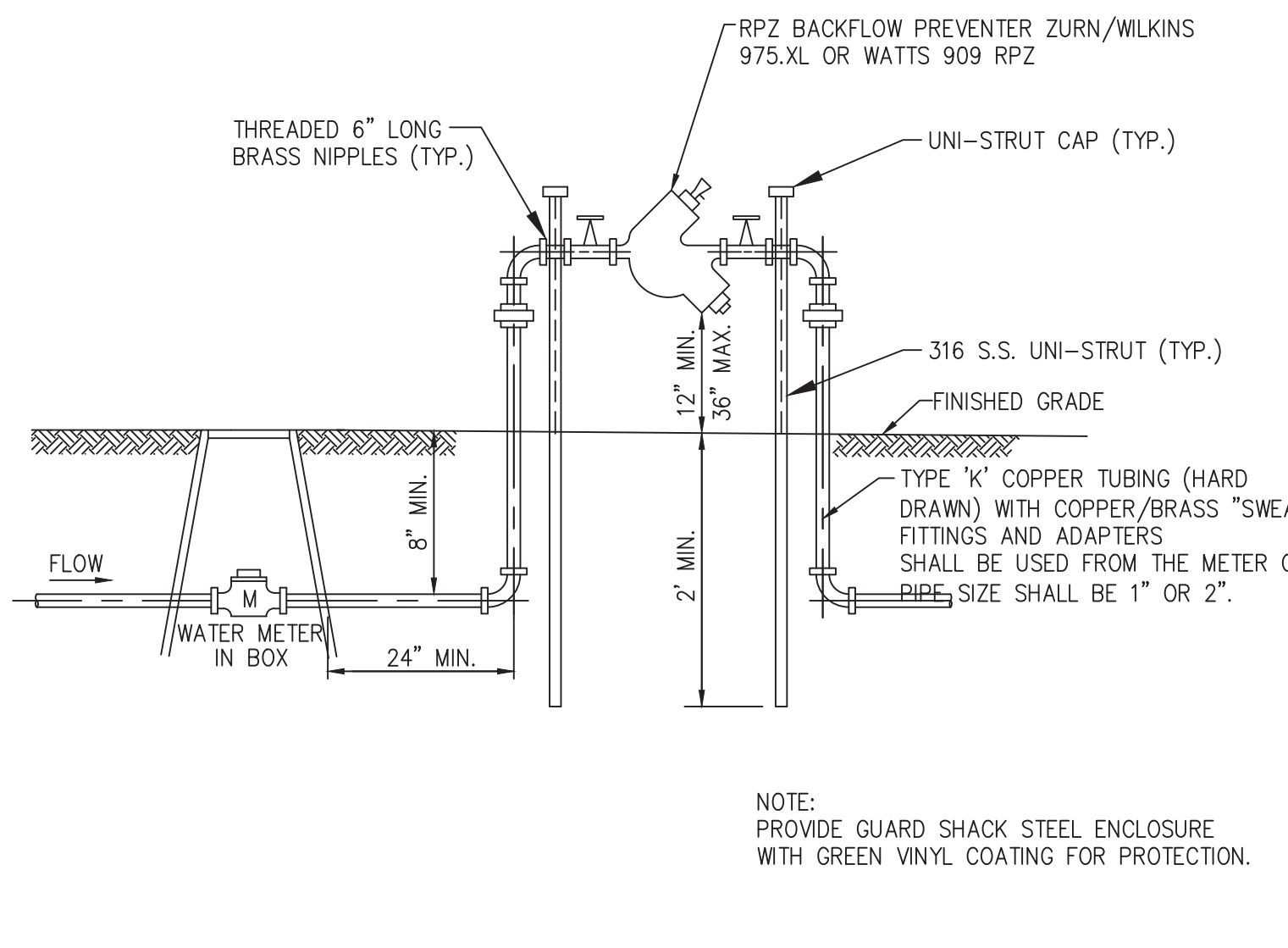


MULTIPLE WATER SERVICES 1

WATER SERVICE FOR 1" OR 2" PIPE 2

TRACE WIRE 3

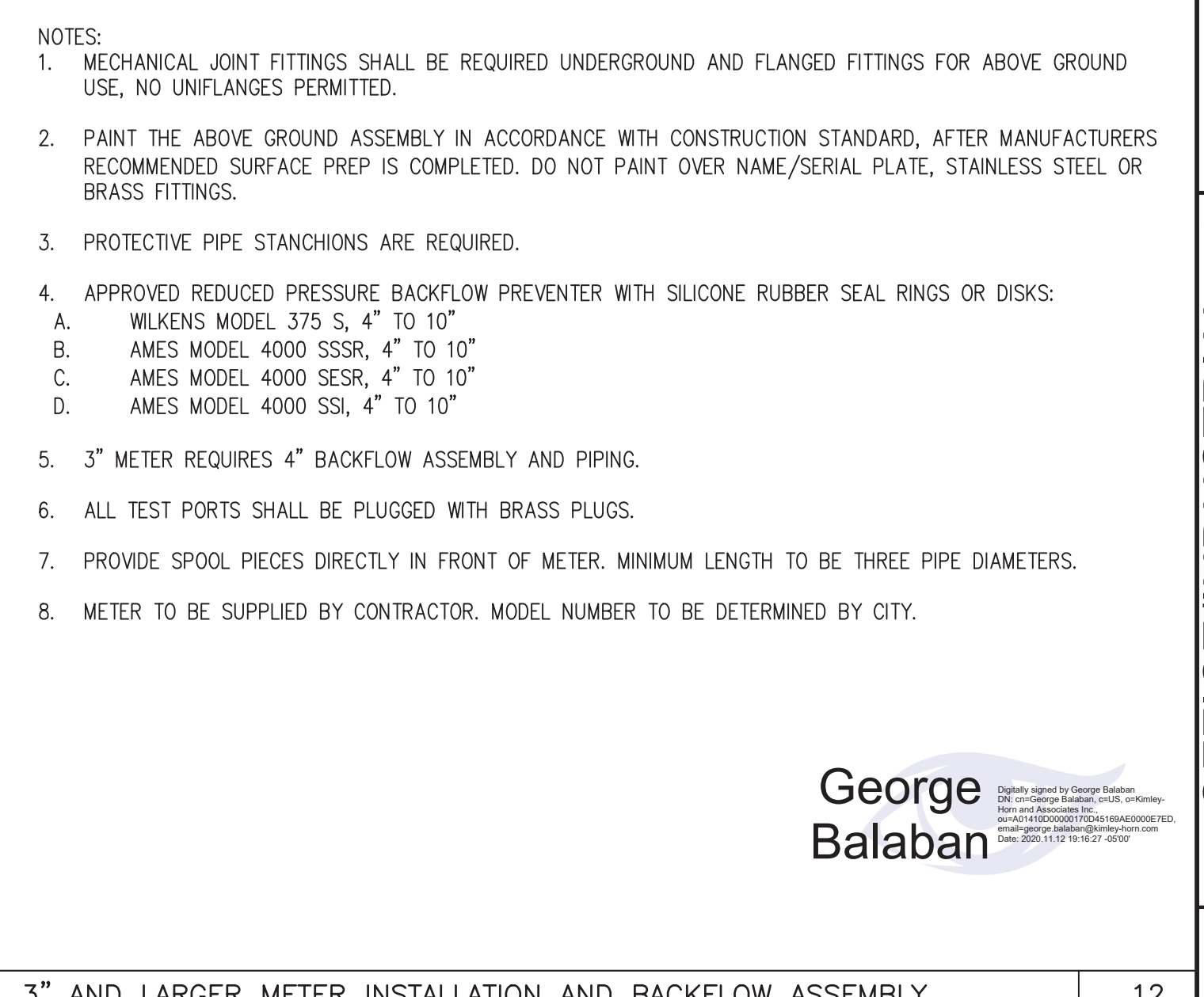
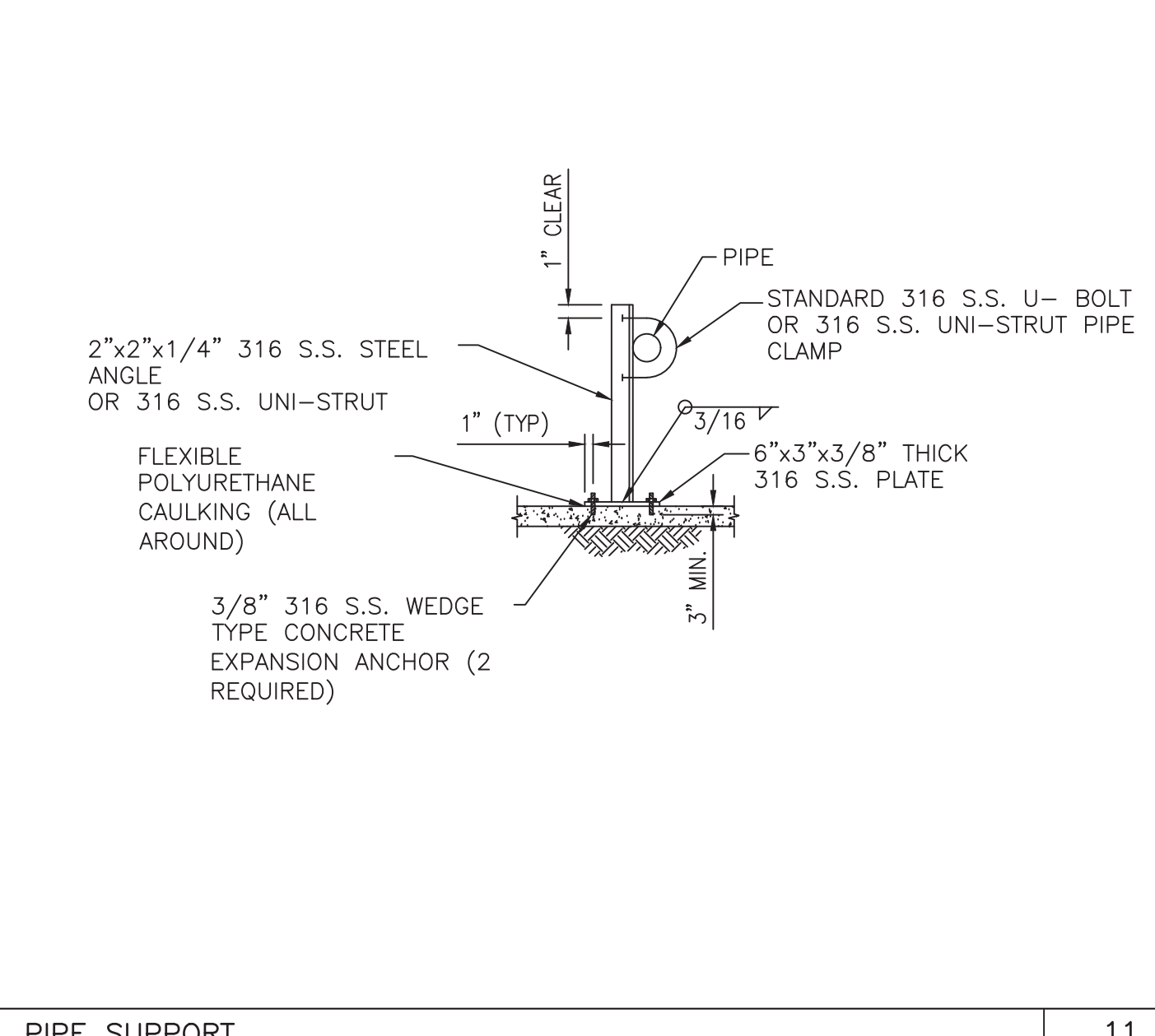
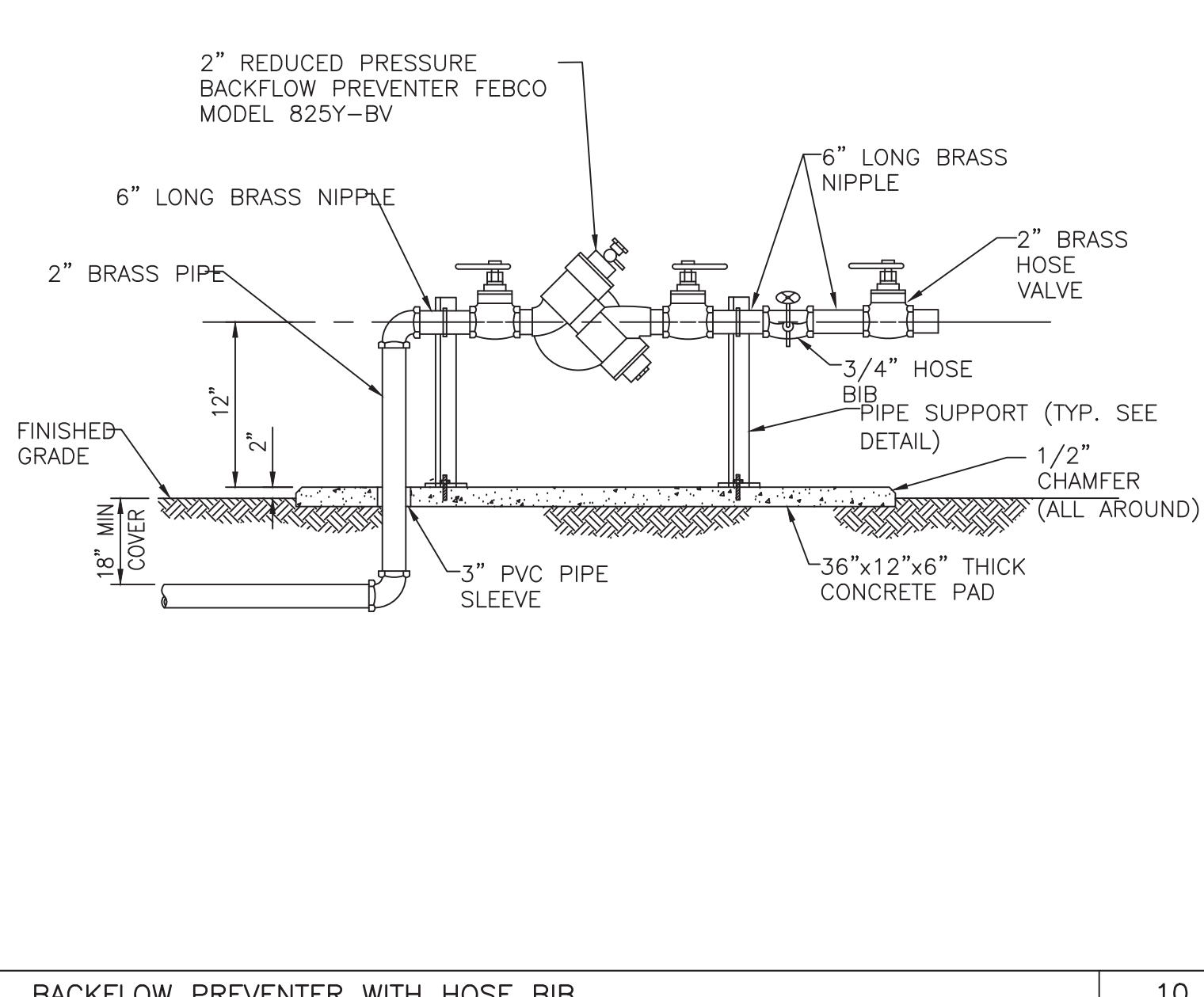
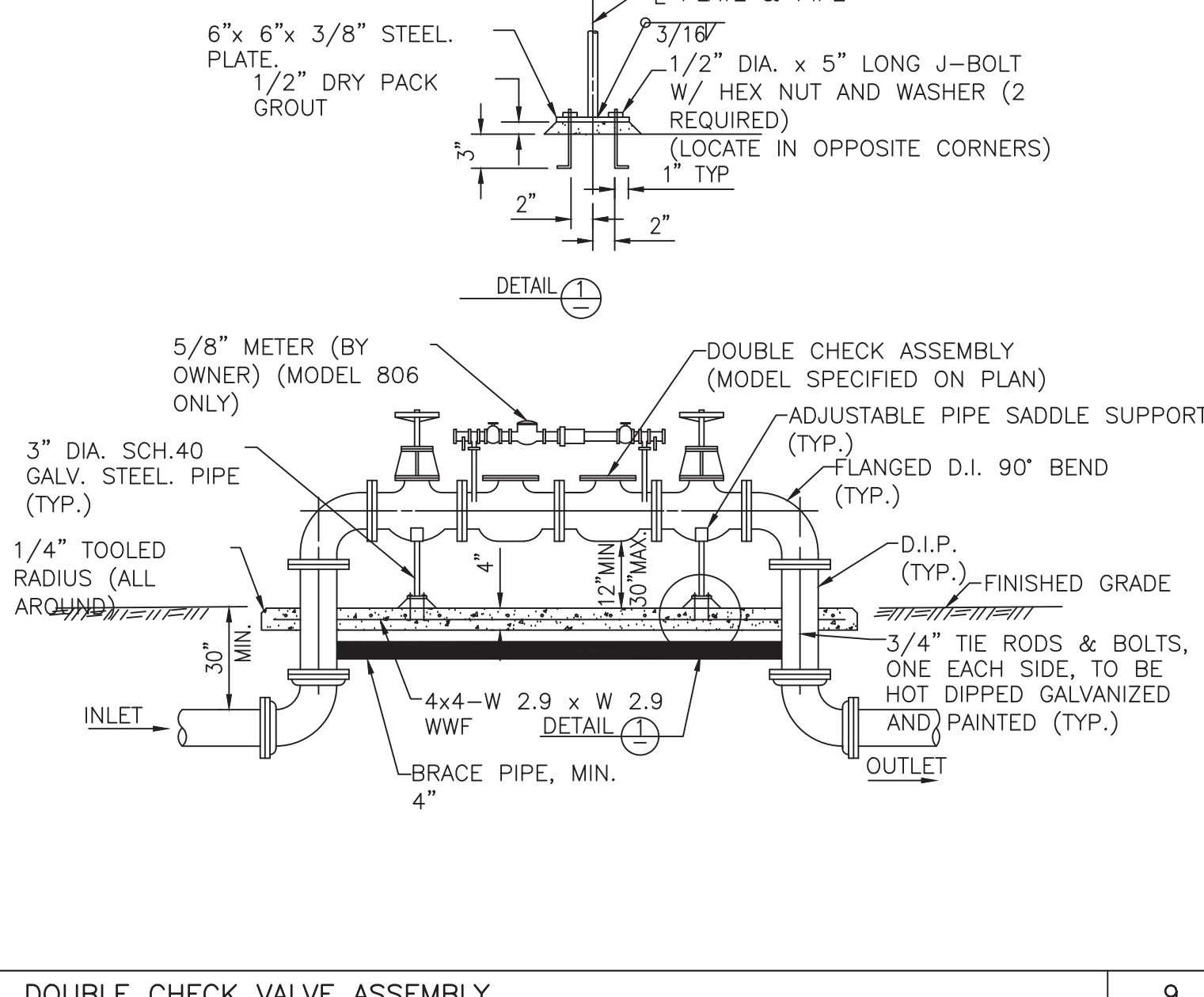
WATER AND SEWER SEPARATION CRITERIA 4



BACKFLOW PREVENTION DEVICE - 3/4" TO 2" 5

2" TERMINAL BLOWOFF 6

VALVE SETTING 7



DOUBLE CHECK VALVE ASSEMBLY 9

BACKFLOW PREVENTER WITH HOSE BIB 10

PIPE SUPPORT 11

3" AND LARGER METER INSTALLATION AND BACKFLOW ASSEMBLY 12

Kimley Horn
 © 2020 KIMLEY-HORN AND ASSOCIATES, INC.
 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
 PHONE: 954-535-5100 FAX: 954-739-2247
 WWW.KIMLEY-HORN.COM CA 0000696

CITY OF LAKE WORTH BEACH
 WATER DETAILS

OFFICE/INDUSTRIAL FACILITY
 PREPARED FOR
 UMDASCH REAL ESTATE USA LTD.
 LAKE WORTH BEACH FLORIDA

SHEET NUMBER
C-305

KHA PROJECT
 143189000
 DATE
 9/2/2020
 SCALE
 AS SHOWN
 DESIGNED BY
 GB
 DRAWN BY
 MB
 CHECKED BY
 GB
 DATE:

REVISIONS
 No. _____
 DATE _____

UNIVERSAL DEVELOPMENT APPLICATION - DOKA

2209 7TH AVENUE NORTH



REQUIRED DOCUMENTATION

- [SOUTH-RENDER-ELEVATION.jpg](#)
- [WEST-RENDER-ELEVATION.jpg](#)
- [Warranty-deed.pdf](#)
- [Universal-Development-Application.pdf](#)
- [survey.pdf](#)
- [Sign-Posting-Agreement-UMDASCH.pdf](#)
- [Project-Narrative.pdf](#)
- [Owners-consent-Reves-003.pdf](#)
- [NORTH-EAST-RENDER-ELEVATION.jpg](#)
- [Perspective-rendering-2.jpg](#)
- [Perspective-rendering-1.jpg](#)
- [EAST-RENDER-ELEVATION.jpg](#)
- [DOKA-LAKE-WORTH-BEACH-LANDSCAPE-SET.pdf](#)
- [A4-4_NORTH-EAST-ELEVATION.pdf](#)
- [Boundary-Survey-Drawing-LG.pdf](#)
- [A4-6_SOUTH-RENDER-ELEVATION.pdf](#)
- [A4-5_WEST-RENDER-ELEVATION.pdf](#)
- [A0-3.pdf](#)
- [A0-2.pdf](#)
- [A0-1.pdf](#)
- [A0-0.pdf](#)
- [A4-3.pdf](#)
- [A4-2.pdf](#)
- [A4-1.pdf](#)
- [A4-0.pdf](#)
- [A1-1.pdf](#)
- [A1-0.pdf](#)
- [A0-4.pdf](#)
- [2020.08.19-Doka-Signage.pdf](#)
- [37373730-v1-Doka-Signed-and-Notarized-Affidavit-of-Completeness-and-Accuracy.PDF](#)
- [2020.09.02-Doka-SS.pdf](#)

HAVE YOU UPLOADED ALL REQUIRED FILES?

Yes

SITE PLAN

• Major

USE

• Administrative

PROJECT INFORMATION

PROJECT NAME

DOKA

PROJECT ADDRESS

2209 7TH AVENUE NORTH
LAKE WORTH BEACH, Florida 33460
United States

LEGAL DESCRIPTION

TRACT 66 AND THE NORTH 210.81 FEET OF TRACT 81, MODEL LAND CO. SUBDIVISION OF SECTION 20, TOWNSHIP 44 SOUTH, RANGE 43 EAST, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN THE PUBLIC RECORD OF PALM BEACH COUNTY, FLORIDA.

PROPERTY CONTROL NUMBER (PCN)

38-43-44-20-01-066-0010

ZONING - EXISTING

I-POC

ZONING - PROPOSED

I-POC

FUTURE LAND USE - EXISTING	
FUTURE LAND USE - PROPOSED	
PROPOSED USE	• Industrial
TOTAL ESTIMATED PROJECT COST	\$11,000,000.00
DESCRIPTION OF WORK	TWO STORY 10,042 SQUARE FOOT SHOWROOM, 26,743 SQUARE FOOT MAINTENANCE SHOP/WAREHOUSE 11,160 SQUARE FOOT OUTDOOR OPEN AIR CANOPY STRUCTURE.
CONTACT INFORMATION	
PROJECT MANAGER NAME	LISA REVES
PROJECT MANAGER COMPANY	SAUL EWING ARNSTEIN & LEHR
PROJECT MANAGER EMAIL	LISA.REVES@SAUL.COM
PROJECT MANAGER PHONE	(561) 650-8465
PROJECT MANAGER ADDRESS	515 N FLAGLER DR WEST PALM BEACH, Florida 33401 United States
APPLICANT COMPANY	UMDASCH REAL ESTATE USA, LTD.
APPLICANT ADDRESS	214 GATES RD LITTLE FERRY, New Jersey 07643 United States
OWNER COMPANY	LW INDUSTRIAL, LLC
OWNER ADDRESS	Florida United States

Universal Development Application



This application is required for ALL applications submitted to the Planning, Zoning and Historic Preservation Division. If you have questions regarding this application, please make an appointment with planning staff.

1. Application Type (select all that apply)

- a. Site Plan: Minor Major Planned Development Sustainable Bonus
- b. Use: Administrative Conditional
- c. Proximity Waiver: Alcoholic Beverage Community Residence Gaming Establishment
 Adult Use
- d. Approvals: Variance Mural Cert. of Appropriateness Adjustment
- e. Amendments: Rezoning / Map Text
- f. Other: Subdivision/Plat Annexation Zoning Letter
 ABT Signoff Economic Investment & Development Electricity Incentives

2. Project Information

- a. Project Name: Doka
- b. Project Location / Address: 2209 7th Avenue North
- c. Legal Description: _____
- d. Property Control Number (PCN): 38-43-44-20-01-066-0010
- e. Zoning: Existing: I-POC Proposed: I-POC
- f. Future Land Use: Existing: I Proposed: I
- g. Proposed Use: Residential; Units _____ Commercial; _____ S.F. Industrial; _____ S.F.
- h. Total Estimated Project Cost: _____
- i. Description of Work: 2 STORY 10,042 SF SHOWROOM, 26,743 SF MAINTENCE SHOP/WAREHOUSE
11,160 SF OUTDOOR OPEN AIR CANOPY STRUCTURE.

3. Contact Information

- a. Project Manager / Contact Person: Lisa Reves
Company: Saul Ewing Arnstein & Lehr
Address: 515 N Flagler Dr., Suite 1400 City: West Palm Beach St: FL Zip: 33401
Phone Number: 561-833-9300 E-Mail Address: lisa.reves@saul.com
- b. Applicant Name (if different from Project Manager): _____
Company: Doka
Address: _____ City: _____ St: _____ Zip: _____
Phone Number: _____ E-Mail Address: _____
- c. Owner Name: _____
Company: _____
Address: _____ City: _____ St: _____ Zip: _____
Phone Number: _____ E-Mail Address: _____

4. Owner's Consent

LW Industrial, LLC ("Owner") certifies that it is the owner of the property located at 2209 7th Avenue North Lake Worth Beach ("Subject Property") and expressly consents to the use of the Subject

Property as described in this application and to all conditions that may be agreed to as a part of the approval of this application, which may be imposed by the decision making board. Owner hereby authorizes, Lisa A. Reves, Esq., agent for the Buyer to file this application and represent the Buyer, Doka USA, Ltd., a New Jersey corporation, at any and all meetings and hearings required for the approval of this application.

Owner's Signature: [Signature] Date: 8/12/2020
Bill Cuthbertson as Registered Agent, LW Industrial, LLC.

Name/Title of Signatory:

STATE OF FLORIDA

COUNTY OF Broward

The foregoing instrument was acknowledged before me this 12 day of August, 2020 by Bill Cuthbertson who is personally known to me or who produced a N/A as identification. He/she did not take an oath.

(NOTARY SEAL)

FLORIDA NOTARY ASSOCIATION SINCE 1978
Arlene D. Everett
NOTARY PUBLIC
STATE OF FLORIDA
Comm# GG138623
Expires 8/28/2021

[Signature]
(Signature of Notary Public)
Arlene D. Everett
(Name of Notary)

5. Affidavit of Completeness and Accuracy

Instructions: To be completed by the individual submitting the application (owner or authorized agent)

Project Name: Submittal Date:

STATEMENT OF COMPLETENESS AND ACCURACY:

I hereby certify all property owners have full knowledge the property they own is the subject of this application. I hereby certify that all owners and petitioners have been provided a complete copy of all material, attachments and documents submitted to the City of Lake Worth relating to this application. I further certify the statements or information made in any paper or plans submitted herewith are true and correct to the best of my knowledge. I understand this application, related application material and all attachments become official records of the Planning, Zoning and Historic Preservation Division of Lake Worth, Florida, and will not be returned. I understand that any knowingly false, inaccurate or incomplete information provided by me will result in the denial, revocation or administrative withdrawal of this application, request, approval or permit. I further acknowledge that additional information may be required by Palm Beach County to process this application. I further acknowledge that any plans that I have prepared or had prepared comply with the Fair Housing Standards. I further consent to the City of Lake Worth to publish, copy or reproduce any copyrighted documents submitted as a part of this application for any third party. I further agree to all terms and conditions, which may be imposed as part of the approval of this application.

(Name - type, stamp, or print clearly)

[Signature]
(Signature)

(Name of Firm)

(Address, City, State, Zip)

STATE OF

COUNTY OF

The foregoing instrument was acknowledged before me this day of, 20, by who is personally known to me or who produced a as identification. He/she did not take an oath.

(NOTARY SEAL)

[Signature]
(Signature of Notary Public)
(Name of Notary)

4. Owner's Consent

LW Industrial, LLC ("Owner") certifies that it is the owner of the property located at 2209 7th Avenue North Lake Worth Beach ("Subject Property") and expressly consents to the use of the Subject Property as described in this application and to all conditions that may be agreed to as a part of the approval of this application, which may be imposed by the decision making board. Owner hereby authorizes, Lisa A. Reves, Esq. as agent, to file this application and represent Owner at any and all meetings and hearings required for the approval of this application.

Owner's Signature: x _____ Date: _____

Name/Title of Signatory: _____

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by _____ who is personally known to me or who produced a _____ as identification. He/she did not take an oath.

(NOTARY SEAL)

x _____
(Signature of Notary Public)

(Name of Notary)

5. Affidavit of Completeness and Accuracy

Instructions: To be completed by the individual submitting the application (owner or authorized agent)

Project Name: UMDASCH REAL ESTATE USA, LTD. Submittal Date: AUGUST 2020

STATEMENT OF COMPLETENESS AND ACCURACY:

I hereby certify all property owners have full knowledge the property they own is the subject of this application. I hereby certify that all owners and petitioners have been provided a complete copy of all material, attachments and documents submitted to the City of Lake Worth relating to this application. I further certify the statements or information made in any paper or plans submitted herewith are true and correct to the best of my knowledge. I understand this application, related application material and all attachments become official records of the Planning, Zoning and Historic Preservation Division of Lake Worth, Florida, and will not be returned. I understand that any knowingly false, inaccurate or incomplete information provided by me will result in the denial, revocation or administrative withdrawal of this application, request, approval or permit. I further acknowledge that additional information may be required by Palm Beach County to process this application. I further acknowledge that any plans that I have prepared or had prepared comply with the Fair Housing Standards. I further consent to the City of Lake Worth to publish, copy or reproduce any copyrighted documents submitted as a part of this application for any third party. I further agree to all terms and conditions, which may be imposed as part of the approval of this application.

LISA A. REVES, ESQ.
(Name - type, stamp, or print clearly)

x _____
(Signature)
515 N. FLAGLER DR. WEST PALM BEACH, FL 33401
(Address, City, State, Zip)

SAUL EWING ARNSTEIN & LEHR
(Name of Firm)

STATE OF FLORIDA

COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me this 10 day of AUGUST, 2020 by Lisa A. Reves who is personally known to me or who produced a _____ as identification. He/she did not take an oath.



x _____
(Signature of Notary Public)

Dana J. WALKUP
(Name of Notary)

RECORDED - KETUKUTO:
ALL FLORIDA TITLE COMPANY, INC.
SUITE 310
1995 EAST OAKLAND PARK BLVD.
FT. LAUDERDALE, FL 33306
APT 5601



CFN 20080401228
OR BK 22937 PG 1849
RECORDED 11/04/2008 13:34:24
Palm Beach County, Florida
AMT 1,500,000.00
Doc Stamp 10,500.00
Sharon R. Bock, CLERK & COMPTROLLER
Pgs 1849 - 1850; (2pgs)

Prepared by:
Larry A. Rothenberg, P.A.
815 Coral Ridge Drive
Coral Springs, FL 33071
Return to:
All Florida Title Company, Inc.
1995 E. Oakland Park Blvd., #310
Fort Lauderdale, FL 33306

File Number: 08-1190
Will Call No.:

Parcel Identification No. 38 43 44 20 01 066 0010

DOC STAMPS \$10,500.00

[Space Above This Line For Recording Data]

Warranty Deed

(STATUTORY FORM - SECTION 689.02, F.S.)

This Indenture made this 29th day of October, 2008 between LAKE WORTH 10 ACRES, LLC, a Florida limited liability company whose post office address is 4801 Linton Blvd., #11A, #643, Delray Beach, FL 33445 of the County of Palm Beach, State of Florida, grantor*, and LW INDUSTRIAL, LLC, a Florida limited liability company whose post office address is 720 S.W. 75 Terrace, Plantation, FL 33317 of the County of Broward, State of Florida, grantee*,

Witnesseth that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Palm Beach County, Florida, to-wit:

Tract 66 and the North 210.81 feet of Tract 81, Model Land Co. Subdivision of Section 20, Township 44 South, Range 43 East, according to the map or plat thereof, as recorded in Plat Book 5, Page 79, of the Public Records of Palm Beach County, Florida.

and said grantor does hereby fully warrant the title to said land, and will defend the same against lawful claims of all persons whomsoever.

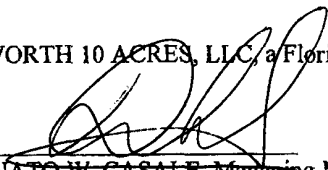
* "Grantor" and "Grantee" are used for singular or plural, as context requires.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:


Witness Name: LARRY A. ROTHENBERG

LAKE WORTH 10 ACRES, LLC, a Florida limited liability company

By: 
DONATO W. CASALE, Managing Member

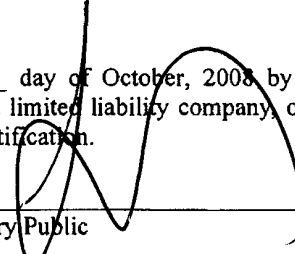
Witness Name: Megan Becker

DoubleTimes

State of Florida
County of Broward

The foregoing instrument was acknowledged before me this 29 day of October, 2008 by DONATO W. CASALE, Managing Member of LAKE WORTH 10 ACRES, LLC, a Florida limited liability company, on behalf of said firm. He is personally known or has produced a driver's license as identification.

[Notary Seal]



Notary Public

Printed Name: LARRY A. ROTHENBERG

My Commission Expires: 3-19-12



Certified copy

September 22, 2020

Re: PROJECT NARRATIVE
2209 7th Avenue North, Lake Worth Beach, FL

Nature of Use/Business Operations

Umdasch Real Estate USA, Ltd., the ownership entity, is developing the site for use by Doka USA Ltd., the operating entity. Doka USA Ltd., is an international leader in developing, manufacturing and distributing formwork technology for use in all fields of construction and is proposing to locate its newest location within the Boutwell Industrial Park of Commerce at 2209 7th Avenue North. The site is zoned I-POC with corresponding Future Land Use of Industrial and includes 9.7916 acres of vacant land. This facility will house rental and sales services of formwork, construction equipment and safety systems. No manufacturing will occur at this facility. This site will conduct yard operations, maintenance operations, and office operations. Yard operations, loads equipment onto trucks for transportation to various jobsites. As the equipment returns, maintenance operations inspects and repairs the equipment. While office operations consists of various departments including but not limited to, the sales department, engineering department, operational and logistics department, and management. Doka is proposing business hours from 7:30 a.m. until 4:00 p.m. Monday through Friday and if needed Saturdays 7:30 a.m. until noon. This site is not proposed as a retail business so traffic will be limited to employees and trucks transporting the formwork to and from jobsites.

Site Characteristics

Based upon information provided by Nutting Environmental of Florida, Inc., the subject site included several bodies of water but by 1973, the bodies of water on the eastern portion of the site were no longer visible. The site is listed in the Solid Waste activity directory (SWF/LF) databases, as the "Boutwell Road Trash Dump". The Environmental Risk Information System (ERIS) report, indicates this site formerly operated as a "trash and yard waste, unpermitted dump" which closed in the late 1970's early 1980's. In 2011, the property was cleared and has remained undeveloped.

Surrounding Property Information

The proposed project is harmonious with uses in the surrounding area, which is comprised of industrial concrete and metal buildings. The property to the North, of the subject site, is vacant land which is zoned I-POC. To the east of the subject site is Marlin Industrial Park ("Park") zoned I-POC and includes three industrial buildings. The architectural style of these buildings are utilitarian and include store front door and window systems with rolling bays doors in multiple tenant bays. To the west of the site is the E-4 Canal in unincorporated Palm Beach County. The south side of the site is bordered by both the Marlin Commerce Center and

Oakwood Apartments. The apartment complex is zoned MU-W and comprised of nine (9), two (2) story multi-family buildings. The apartment buildings have gabled roofs with limited window and door openings. The Marlin Commerce Center includes three (3) buildings which house Office and Industrial structures within flat roof industrial style architecture.

Compliance with Site Design Qualitative Standards of Section 23.2-31:

1. Harmonious and efficient organization. The proposed site improvements include a building located on the northwest portion of the site which houses a two (2) story ten thousand forty two (10,042) square foot office space located along the south side of 7th Avenue North, a 26,743 square foot maintenance shop and warehouse, 11,160 square foot canopy shaded area and 104,342 square foot outdoor storage area, all are harmoniously and efficiently organized for the functional use of the property. The proposed improvements will not impede the normal and orderly development of surrounding property for uses permitted within the Land Development Regulations (“LDR”)
2. Preservation of Natural Conditions. The subject property is vacant and due to the historical use of the property no natural communities remain.
3. Screening and buffering. Fences, walls, vegetation and lakes are utilized to protect neighboring properties from undesirable views, light, noise, or other adverse on-site effects. The 97,264 square foot lake is strategically located along the south portion of the site to provide the maximum possible separation from the multi-family community to the south.
4. Residential privacy is enhanced, not only by the strategic location of the lake but also by the Lake Worth Drainage District (“LWDD”) 200 foot right of way for the E-4 Canal along the west of the subject site. The LWDD right of way and position of lake provide reasonable, visual and acoustical privacy for the dwelling units located adjacent to the site.
5. Emergency access. Site access is proposed from three locations on 7th Avenue North, all include 20 foot roll gates with Knox-box access. The proposed structure is arranged in a manner which allows emergency vehicles access to all of the building facades from the right of way and the ingress/egress access aisles which surround the building.
6. Access to public ways. The proposed structure has safe and convenient access to the public street via the proposed concrete sidewalk within the 7th Avenue North right of way and the connecting internal walkways and crosswalks as depicted on the site plan.
7. Pedestrian circulation. The pedestrian circulation system is insulated as completely as reasonably possible from the vehicular circulation system as depicted on the site plan. Location of the internal walkways and crosswalks have been located in the safest possible manner in relation to the building location and vehicular circulation.
8. Design of ingress and egress drives. The site is accessed from the terminus of 7th Avenue North via three(3) proposed ingress/egress points. The access points are arranged to minimize negative impacts on public and private ways and on adjacent property.
9. Coordination of on-site circulation with off-site circulation. Site access and circulation is designed so that passenger vehicles parking and circulation will occur from the western access point and truck circulation will occur predominately on the east side of the property.
10. Design of on-site public right-of-way. The extension of 7th Avenue North is designed for maximum efficiency and to provide site access in a manner that is harmonious with existing conditions.
11. Off-street parking, loading and vehicular circulation areas. Off-street parking, loading, and vehicular circulation areas are located, designed and screened to minimize the impact of

glare, noise, and odor on adjacent property. The off-street parking is proposed on the western façade of the building and accessible from the west ingress/egress point to the site. The majority of truck access and circulation, is separated from passenger vehicle circulation and will occur from two access points located east of the proposed building.

12. Refuse and service areas. Refuse and service areas are located, designed and screened to minimize the impact of noise, glare and odor on adjacent property and locating it on the west property line away from neighboring property owners.
13. Protection of property values. The elements of the site plan are arranged to minimize any potential negative impact on adjoining property and would improve the property values with the proposed improvements, fencing, screen walls and landscape improvement proposed for the site.
14. Transitional development. Not applicable.
15. Consideration of future development. The above standards are met and impacts to existing and future development have been mitigated.

Compliance with Community Appearance Criteria Section 23.2-31(l):

1. The plan for the proposed structure is in conformity with good taste, good design, and in general contributes to the image of the City as a place of beauty, spaciousness, harmony, taste, fitness, broad vistas and is a high quality home of an international company.
2. The proposed structure is not, in its exterior design and appearance, of inferior quality such as to cause the nature of the local environment or evolving environment to materially depreciate in appearance and value.
3. The proposed structure is in harmony with the proposed developments in the general area, with code requirements pertaining to site plan, signage and landscaping, and the comprehensive plan for the City, and with the criteria set forth herein.
4. The proposed structure is in compliance with this section and 23.2-29, as applicable.

Best Regards,

Lisa A. Reves

sb

August 31, 2020

Re: PROJECT NARRATIVE
2209 7th Avenue North, Lake Worth Beach, FL

Umdasch Real Estate USA, Ltd., the ownership entity, is developing the site for use by Doka USA Ltd., the operating entity. Doka USA Ltd., is an international leader in developing, manufacturing and distributing formwork technology for use in all fields of construction and is proposing to locate its newest location within the Boutwell Industrial Park of Commerce at 2209 7th Avenue North. The site is zoned I-POC with corresponding Future Land Use of Industrial and includes 9.7916 acres of vacant land.

Site Characteristics

Based upon information provided by Nutting Environmental of Florida, Inc., the subject site included several bodies of water but by 1973, the bodies of water on the eastern portion of the site were no longer visible. The site is listed in the Solid Waste activity directory (SWF/LF) databases, as the “Boutwell Road Trash Dump”. The Environmental Risk Information System (ERIS) report, indicates this site formerly operated as a “trash and yard waste, unpermitted dump” which closed in the late 1970’s early 1980’s. In 2011, the property was cleared and has remained undeveloped.

Surrounding Property Information

The proposed project is harmonious with uses in the surrounding area, which is comprised of industrial concrete and metal buildings. The property to the North, of the subject site, is vacant land which is zoned I-POC. To the east of the subject site is Marlin Industrial Park (“Park”) zoned I-POC and includes three industrial buildings. The architectural style of these buildings are utilitarian and include store front door and window systems with rolling bays doors in multiple tenant bays. To the west of the site is the E-4 Canal in unincorporated Palm Beach County. The south side of the site is bordered by both the Marlin Commerce Center and Oakwood Apartments. The apartment complex is zoned MU-W and comprised of nine (9), two (2) story multi-family buildings. The apartment buildings have gabled roofs with limited window and door openings. The Marlin Commerce Center includes three (3) buildings which house Office and Industrial structures within flat roof industrial style architecture.

Compliance with Site Design Qualitative Standards of Section 23.2-31:

1. Harmonious and efficient organization. The proposed site improvements include a building located on the northwest portion of the site which houses a two (2) story ten thousand forty two (10,042) square foot office space located along the south side of 7th Avenue North, a 26,743 square foot maintenance shop and warehouse, 11,160 square foot canopy shaded area

and 104,342 square foot outdoor storage area, all are harmoniously and efficiently organized for the functional use of the property. The proposed improvements will not impede the normal and orderly development of surrounding property for uses permitted within the Land Development Regulations (“LDR”)

2. Preservation of Natural Conditions. The subject property is vacant and due to the historical use of the property no natural communities remain.
3. Screening and buffering. Fences, walls, vegetation and lakes are utilized to protect neighboring properties from undesirable views, light, noise, or other adverse on-site effects. The 97,264 square foot lake is strategically located along the south portion of the site to provide the maximum possible separation from the multi-family community to the south.
4. Residential privacy is enhanced, not only by the strategic location of the lake but also by the Lake Worth Drainage District (“LWDD”) 200 foot right of way for the E-4 Canal along the west of the subject site. The LWDD right of way and position of lake provide reasonable, visual and acoustical privacy for the dwelling units located adjacent to the site.
5. Emergency access. Site access is proposed from three locations on 7th Avenue North, all include 20 foot roll gates with Knox-box access. The proposed structure is arranged in a manner which allows emergency vehicles access to all of the building facades from the right of way and the ingress/egress access aisles which surround the building.
6. Access to public ways. The proposed structure has safe and convenient access to the public street via the proposed concrete sidewalk within the 7th Avenue North right of way and the connecting internal walkways and crosswalks as depicted on the site plan.
7. Pedestrian circulation. The pedestrian circulation system is insulated as completely as reasonably possible from the vehicular circulation system as depicted on the site plan. Location of the internal walkways and crosswalks have been located in the safest possible manner in relation to the building location and vehicular circulation.
8. Design of ingress and egress drives. The site is accessed from the terminus of 7th Avenue North via three(3) proposed ingress/egress points. The access points are arranged to minimize negative impacts on public and private ways and on adjacent property.
9. Coordination of on-site circulation with off-site circulation. Site access and circulation is designed so that passenger vehicles parking and circulation will occur from the western access point and truck circulation will occur predominately on the east side of the property.
10. Design of on-site public right-of-way. The extension of 7th Avenue North is designed for maximum efficiency and to provide site access in a manner that is harmonious with existing conditions.
11. Off-street parking, loading and vehicular circulation areas. Off-street parking, loading, and vehicular circulation areas are located, designed and screened to minimize the impact of glare, noise, and odor on adjacent property. The off-street parking is proposed on the western façade of the building and accessible from the west ingress/egress point to the site. The majority of truck access and circulation, is separated from passenger vehicle circulation and will occur from two access points located east of the proposed building.
12. Refuse and service areas. Refuse and service areas are located, designed and screened to minimize the impact of noise, glare and odor on adjacent property and locating it on the west property line away from neighboring property owners.
13. Protection of property values. The elements of the site plan are arranged to minimize any potential negative impact on adjoining property and would improve the property values with

the proposed improvements, fencing, screen walls and landscape improvement proposed for the site.

14. Transitional development. Not applicable.

15. Consideration of future development. The above standards are met and impacts to existing and future development have been mitigated.

Compliance with Community Appearance Criteria Section 23.2-31(l):

1. The plan for the proposed structure is in conformity with good taste, good design, and in general contributes to the image of the City as a place of beauty, spaciousness, harmony, taste, fitness, broad vistas and is a high quality home of an international company.
2. The proposed structure is not, in its exterior design and appearance, of inferior quality such as to cause the nature of the local environment or evolving environment to materially depreciate in appearance and value.
3. The proposed structure is in harmony with the proposed developments in the general area, with code requirements pertaining to site plan, signage and landscaping, and the comprehensive plan for the City, and with the criteria set forth herein.
4. The proposed structure is in compliance with this section and 23.2-29, as applicable.

Best Regards,

Lisa A. Reves

sb



November 19, 2020

Stephanie A. Kinlen, P.E.
Kimley-Horn and Associates, Inc.
1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411

**Department of Engineering
and Public Works**

P.O. Box 21229

West Palm Beach, FL 33416-1229

(561) 684-4000

FAX: (561) 684-4050

www.pbcgov.com



**Palm Beach County
Board of County
Commissioners**

Dave Kerner, Mayor

Robert S. Weinroth, Vice Mayor

Hal R. Valeche

Gregg K. Weiss

Mary Lou Berger

Melissa McKinlay

Mack Bernard

County Administrator

Verdenia C. Baker

**RE: 2209 7th Avenue N
Project #: 201107
Traffic Performance Standards Review**

Dear Ms. Kinlen:

The Palm Beach County Traffic Division has reviewed the **2209 7th Avenue N** Traffic Impact Statement, dated November 13, 2020, pursuant to the Traffic Performance Standards in Article 12 of the Palm Beach County Unified Land Development Code (ULDC). The project is summarized as follows:

Municipality:	Lake Worth Beach
Location:	South side of 7 th Ave N, west of 23 rd Ave S
PCN:	38-43-44-20-01-066-0010
Access:	Two access driveway connections onto 7 th Avenue N <u>(As used in the study and is NOT necessarily an approval by the County through this TPS letter)</u>
Existing Uses:	Vacant
Proposed Uses:	Gen. Office = 10,042 SF Warehouse = 26,743 SF Outdoor Storage = 2.4 Acres
New Daily Trips:	221
New Peak Hour Trips:	40 (35/5) AM; 23 (7/16) PM
Build-out:	December 31, 2021

Based on our review, the Traffic Division has determined the proposed development is located within the Lake Worth Park of Commerce Traffic Concurrency Exception Area (TCEA) and therefore, exempt from the Traffic Performance Standards of Palm Beach County.

Please note the receipt of a Traffic Performance Standards (TPS) approval letter does not constitute the review and issuance of a Palm Beach County Right-of-Way (R/W) Construction Permit nor does it eliminate any requirements that may be deemed as site related. For work within Palm Beach County R/W, a detailed review of the project will be provided upon submittal for a R/W permit application. The project is required to comply with all Palm Beach County standards and may include R/W dedication.

No building permits are to be issued by the City after the build-out date specified above. The County traffic concurrency approval is subject to the Project Aggregation Rules set forth in the Traffic Performance Standards Ordinance.

*"An Equal Opportunity
Affirmative Action Employer"*



Stephanie A. Kinlen, P.E.
November 19, 2020
Page 2

The approval letter shall be valid no longer than one year from date of issuance, unless an application for a Site Specific Development Order has been approved, an application for a Site Specific Development Order has been submitted, or the approval letter has been superseded by another approval letter for the same property.

If you have any questions regarding this determination, please contact me at 561-684-4030 or email QBari@pbcgov.org.

Sincerely,

Quazi Bari, P.E., PTOE
Manager – Growth Management
Traffic Division

QB:HA:rb

ec: Addressee

Erin Fitzhugh Sita, AICP, Assistant Director-Planning, Zoning, & Preservation Community
Sustainability Department, City of Lake Worth Beach
Hanane Akif, E.I., Project Coordinator II, Traffic Division
Steve Bohovsky, Technical Assistant III, Traffic Division

File: General - TPS - Mun - Traffic Study Review
F:\TRAFFIC\HA\MUNICIPALITIES\APPROVALS\2020\201107 - 2209 7TH AVE.DOCXN

Sustainable Bonus Incentive Program



All development proposals seeking increased height above two stories, or additional FAR, as each may be allowed in a zoning district, shall submit this Sustainable Bonus Incentive Program Application. The application shall accompany the standard City of Lake Worth Universal Development Application for the development proposal.

Two hard copies and one electronic copy of the following materials are required in order for a Sustainable Bonus Incentive Program Application to be deemed complete and sufficient to present to the decision making board.

The Sustainable Bonus Incentive calculations are based on the gross square footage of the bonus height or intensity requested. The additional gross square footage amount is multiplied by \$5 per square foot ("Value Multiplier") in order to determine the value of the additional improvements to be provided for the project.

1. Please indicate whether the development proposal includes bonus height or bonus intensity:

a. Bonus Height

i. No. of Additional Stories: _____ ("Bonus Height")

ii. Additional Gross Floor Area: 5,565 sf ("Bonus Area")

b. Bonus Intensity

i. Additional Floor Area Ratio: _____ ("Bonus Intensity")

ii. Additional Gross Floor Area: _____ ("Bonus Area")

2. Multiply the Bonus Area by the Value Multiplier to determine the value of required improvements.

a. $\frac{5,565 \text{ sf}}{\text{Bonus Area}} \text{ square feet} \times \$5 = \frac{\$8,347.50}{\text{Value of Required Improvements}}$

3. Indicate the type and value of the community benefit proposed to qualify for the Bonus Area:

a. On-Site Features and Improvements; Value: \$ 130,000

b. Off-Site Features and Improvements; Value: \$ _____

c. Fee In Lieu; Amount: \$ _____

4. Attach to this application a separate sheet with a detailed description of the proposed improvement and valuation of the same.

-Cost for code minimum fencing w/ fabric mesh : 1,300 linear feet of vinyl coated chain link fence w fabric mesh x \$25/LF = \$32,500. Net Value of improvements above required = \$97,500.00 Total Value Required 2). Above = \$8,347.50 Net total of improvements: \$89,152.50



November 2020

*UMDASCH Real Estate USA, LTD
Office and Industrial Facility*

*Drainage Report
KHA PN: 143189000*

Prepared for:
*UMDASCH Real Estate USA, LTD
2209 7th Ave N
Lake Worth Beach, FL 33461*

Prepared by:
*Kimley-Horn & Associates, Inc.
8201 Peters Road, Suite 2200
Plantation, FL 33324*

Kimley»»Horn

DRAINAGE REPORT

for

UMDASCH Real Estate USA, LTD
Office and Industrial Facility
2209 7th Ave N
Lake Worth Beach, FL 33461

KHA Project No.: 143189000
November 2020

George Balaban, P.E.
Florida Professional Engineer License Number 74543
Kimley-Horn and Associates, Inc.
8201 Peters Road, Suite 2200
Plantation, Florida 33324
(954) 535-5134

TABLE OF CONTENTS

PROJECT DESCRIPTION..... 3
EXISTING CONDITIONS..... 3
OBJECTIVE 3
REQUIREMENTS..... 3
FEMA FLOOD ELEVATION..... 4
PROPOSED STORMWATER MANAGEMENT SYSTEM..... 4
STORM ANALYSIS 5
CONCLUSION AND RECOMMENDATIONS..... 5
REFERENCES 6

APPENDICES

A. MAPS

- A-1 – PROJECT LOCATION AERIAL
- A-2 – SOILS MAP
- A-3 – FEMA FLOOD INSURANCE RATE MAP
- A-4 – SFWMD FLOOD CRITERIA (5-YEAR, 1-DAY RAINFALL)
- A-5 – SFWMD FLOOD CRITERIA (10-YEAR, 3-DAY RAINFALL)
- A-6 – SFWMD FLOOD CRITERIA (25-YEAR, 3-DAY RAINFALL)
- A-7 – SFWMD FLOOD CRITERIA (100-YEAR, 3-DAY RAINFALL)

B. DRAINAGE CALCULATIONS

- B-1 – PROPOSED AREA BREAKDOWN
- B-2 – WATER QUALITY AND PRE-TREATMENT CALCULATIONS
- B-3 – EXFILTRATION TRENCH CALCULATIONS
- B-4 – SOIL STORAGE CALCULATIONS
- B-5 – STAGE STORAGE CALCULATIONS
Cascade Routing Results (3-yr 1day, 10-yr 3day, 25-yr 3day, 100-yr 3day)

C. GEOTECHNICAL REPORT (by Nutting Engineers)

D. PREVIOUSLY APPROVED SFWMD PERMIT FOR SITE

E. CONSERVATION EASEMENT & SFWMD RELEASE OF CONSERVATION EASEMENT

F. SFWMD C-51 BASIN INFORMATION

PROJECT DESCRIPTION

The subject site is located in Section 20, Township 44, Range 43 E within the City of Lake Worth Beach, Florida. The project consists of a single lot located at 2209 7th Avenue North in Lake Worth Beach, Florida, 33461. The parcel control number is 38-43-44-20-01-066-0010. The project consists of 9.63 net acres and proposes the construction of a 26,617SF maintenance shop/warehouse, and a 10,150 SF 2 story office. The site is located within the C-51 Basin of the South Florida Water Management District (SFWMD) and shall meet or exceed Sub-Basin 33 requirements of 11.2'(NAVD) max 100 year Stage with 35 CSM max 10 year Discharge Rate (approximately 0.53 cfs for the 9.63 acres of the project) The site is bounded to the north by 7th Avenue North, bounded to the south by Oakwood Apartments, bounded to the west by E-4 Canal (Keller Canal), and bounded to the east by industrial buildings (see Appendix A-1, Project Location Aerial).

EXISTING CONDITIONS

The existing site is heavily vegetated with an existing lake on-site. There is legal positive outfall to the Lake Worth Drainage District (LWDD) E-4 (Keller Canal). The site previously obtained a SFWMD Permit No. 50-09006-P (Application 080311-7) on May 14, 2009. Previously a conservation easement was required on-site (See Appendix E) recorded March 01, 2010. This conservation easement was later released on November 14, 2013 (See Appendix E).

OBJECTIVE

The objective of this design is to provide a stormwater management system that will provide adequate flood protection for the proposed project and meet the environmental and regulatory requirements set forth by the federal, state, county, and local governmental agencies. These agencies include: the Florida Department of Transportation (FDOT), City of Lake Worth Beach, Florida Department of Environmental Protection (FDEP), Lake Worth Drainage District (LWDD), and South Florida Water Management District (SFWMD).

REQUIREMENTS

SFWMD and LWDD have jurisdiction over stormwater quality and quantity criteria. The following subsections outline the requirements set forth by these entities. The stormwater system must be designed to meet the most stringent of the aforementioned requirements.

Water Quality Criteria – Treatment Required

Per SFWMD design criteria for industrial properties, water quality treatment is required. The water quality treatment volume shall be provided for the first inch of runoff from the developed project, or the total runoff of 2.5 inches times the percentage impervious, whichever is greater. The required water quality of 1.15 ac-ft will be met in the proposed exfiltration trench, which provide 4.12 ac-ft of storage. (See Appendix B for detailed calculations).

Water Quantity Criteria – Design Storm Events

5-Year, 1-Day Rainfall

The post-development runoff from a storm event with duration of 1-day and 5-year return frequency should be completely retained within the proposed stormwater system below the minimum inlet elevation.

10-Year, 3-Day Rainfall

The post-development runoff from a storm event with duration of 3-day and 25-year return frequency regulates the discharge to the canal.

25-Year, 3-Day Rainfall

The post-development runoff from a storm event with duration of 3-day and 25-year return frequency.

100-Year, 3-Day Rainfall

The building finish floor elevation must be set at or above the peak stage of a storm event with duration of 3-day and 100-year return frequency. No discharge is accounted for.

Water Table

The design water table elevation of 7.00 ft NAVD was obtained from Lake Worth Drainage District Canal Elevations Map (see Appendix A-8).

FEMA FLOOD ELEVATION

The project is located in Community Panel Numbers 12099C0777F (Panel 777 of 1200) of the Flood Insurance Rate Map (FIRM), revised October 5, 2017. According to the National Flood Insurance Program the project is within Zone AE (Elevation 11' NAVD) as well as outside the 100-year flood zone in Flood Zone 'X' (see Appendix A-3).

PROPOSED STORMWATER MANAGEMENT SYSTEM

The proposed stormwater improvements will have the capability to manage the stormwater runoff produced by the proposed development through the use of 2,193 LF of exfiltration trench and one (1) lakes on-site. The project site will discharge via control structure on the southwest corner of the parcel to the E-4 (LWDD) Keller Canal. The control structure will include a rim elevation above the 10year-3-day discharge storm and will also include a 6 inch inverted triangle bleeder.

STORM ANALYSIS

The storm analysis consisted of determining the rainfall amounts for the following storm events and executing Cascade drainage software to model and determine the stage and runoff of each event. The analysis was completed for the following storm events and rainfall depths:

Design Storm Event	Rainfall Depth (inches)
5-Year, 1-Day (Figure A-4)	7.5
10-Year, 3-Day (Figure A-5)	10.5
25-Year, 3-Day (Figure A-6)	12.5
100-Year, 3-Day (Figure A-7)	16.3

CONCLUSION AND RECOMMENDATIONS

The stormwater system satisfies the LWDD and SFWMD retention criteria for the required design storm events. The drainage analysis indicates that the proposed stormwater management system should be able to protect the site from flooding and prevent off-site discharge for the 1-day: 5-year and 3-day: 10-year design storm events (see Appendix B, Drainage Calculations).

DESIGN STORM	POST-DEVELOPMENT		
	MAX. STAGE ELEVATION (FT, NAVD)	DESIGN ELEMENT	PROPOSED ELEVATION OF DESIGN ELEMENT (FT, NAVD)
5-Year, 1-Day	8.07	Lowest Rim Elevation	10.5
10-Year, 3-Day	8.54	Perimeter Berm	9.0
25-Year, 3-Day	8.87	-	N/A
100-Year, 3-Day	10.51	Finished Floor Elevation	12.5

STAGE/STORAGE COMPARISON (PREVIOUSLY SFWMD PERMIT VS PROPOSED)		
Stage (ft)	Previous SFWMD permit (ft, NAVD)	Proposed stage (ft, NAVD)
7.0	0	0
8.5	3.94	6.24
9.5	6.77	9.51
10.5	9.76	11.86
11.5	13.81	15.41

REFERENCES

South Florida Water Management District. 2014. Environmental Resource Permit Information Manual
 State of Florida Department of Transportation. 2019. Drainage Manual
 State of Florida Department of Transportation 2019 Drainage Design Guide

APPENDIX A: MAPS


APPENDIX A-1

PROJECT LOCATION AERIAL

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client to which it was prepared. Review of and incorporation into other documents without written authorization and adoption by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



Legend

 Project Location

Source: Esri, DigitalGlobe, GeoEye, IGN, and the GIS User Community

EXHIBIT NUMBER A-1	DATE:	07/2019
	DRAWN BY:	MB
	PROJECT NO.:	
	KHA NO.:	143051000

**PROJECT LOCATION
MAP**

PREPARED FOR:
2209 7th Avenue North
Lake Worth Beach, FL 33461

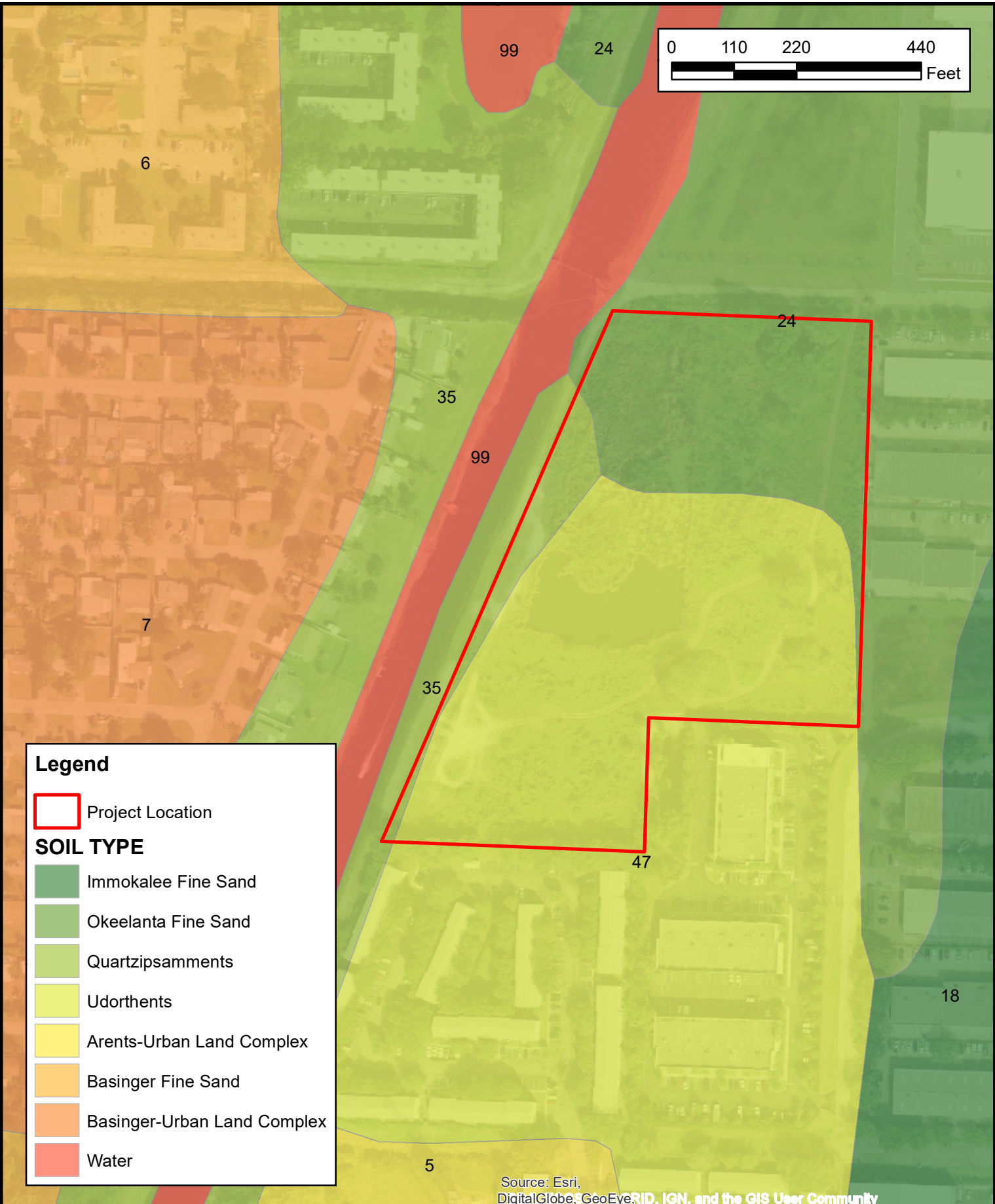


Kimley»Horn
600 North Pine Island Road, Suite 450
Plantation, Florida 33324
(954) 535-5100 Phone
(954) 739-2247 Fax
www.kimley-horn.com

APPENDIX A-2

SOILS MAP

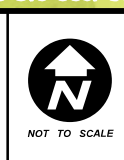
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client to which it was prepared. Review of and incorporation into this document without written authorization and approval by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



A-2	EXHIBIT NUMBER	DATE: 07/2019
		DRAWN BY: MB
		PROJECT NO.:
		KHA NO.: 143051000

SOILS MAP

PREPARED FOR:
2209 7th Avenue North
Lake Worth Beach, FL 33461



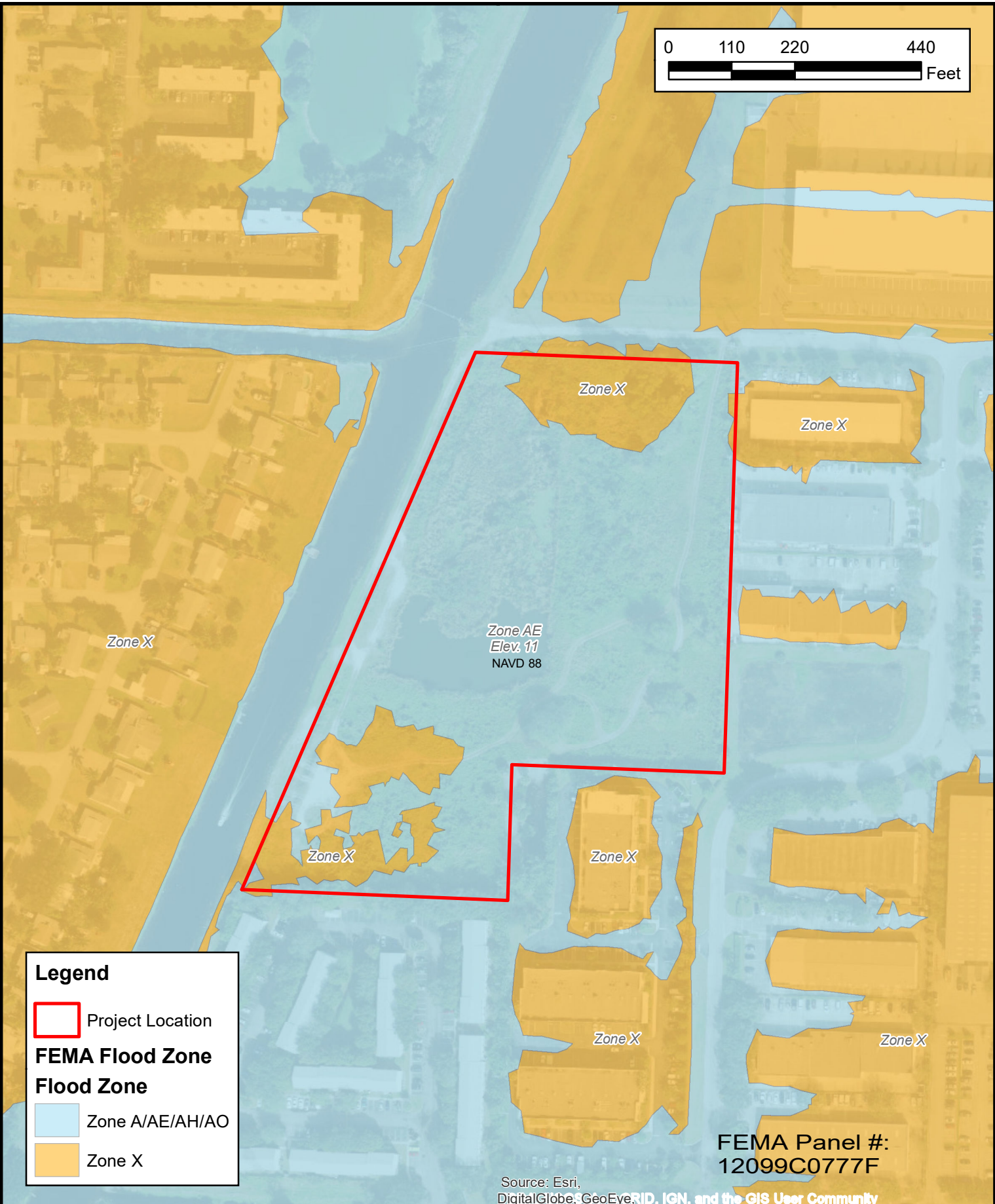
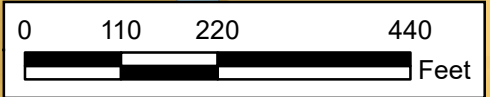
Kimley»Horn

600 North Pine Island Road, Suite 450
Plantation, Florida 33324
(954) 535-5100 Phone
(954) 739-2247 Fax
www.kimley-horn.com

APPENDIX A-3

FEMA FLOOD INSURANCE RATE MAP

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Review of and incorporation into this document without written authorization and adoption by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



Legend

- Project Location
- FEMA Flood Zone**
- Flood Zone**
- Zone A/AE/AH/AO
- Zone X

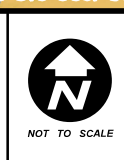
FEMA Panel #:
12099C0777F

Source: Esri, DigitalGlobe, GeoEye, IGN, and the GIS User Community

A-3	EXHIBIT NUMBER	
	DATE:	07/2019
	DRAWN BY:	MB
	PROJECT NO.:	
	KHA NO.:	143051000

**FEMA FLOOD
INSURANCE RATE MAP**

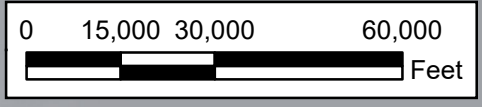
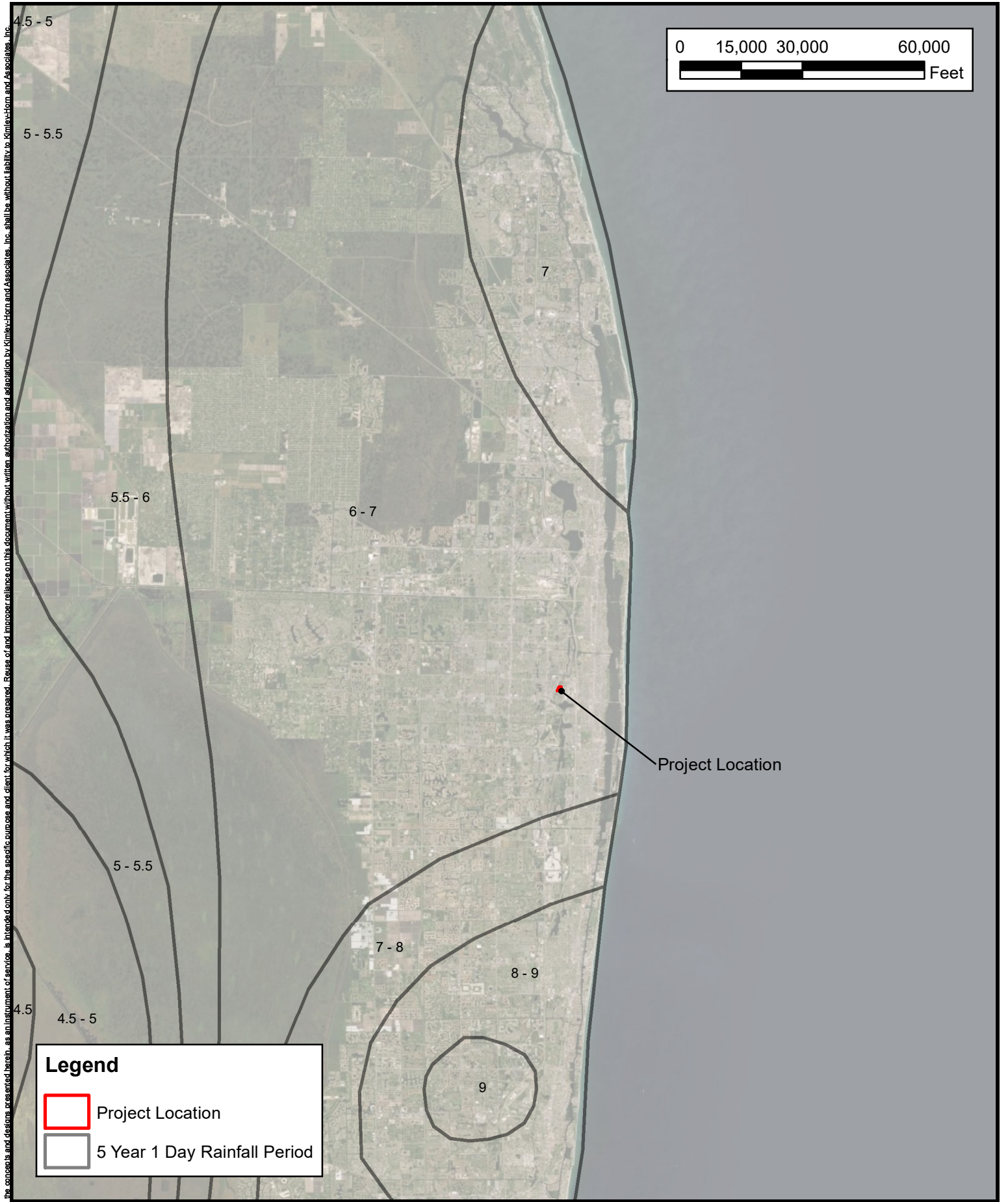
PREPARED FOR:
2209 7th Avenue North
Lake Worth Beach, FL 33461





Kimley»Horn
 600 North Pine Island Road, Suite 450
 Plantation, Florida 33324
 (954) 535-5100 Phone
 (954) 739-2247 Fax
 www.kimley-horn.com

APPENDIX A-4

SFWMD FLOOD CRITERIA (5-YEAR, 1-DAY RAINFALL)



Legend

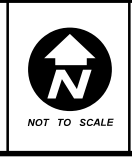
-  Project Location
-  5 Year 1 Day Rainfall Period

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client to which it was prepared. Review of and improvement on this document without written authorization and approval by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

A-4	EXHIBIT NUMBER	
	DATE:	07/2019
	DRAWN BY:	MB
	PROJECT NO.:	
	KHA NO.:	143051000

**5-YEAR, 1-DAY
RAINFALL**

PREPARED FOR:
2209 7th Avenue North
Lake Worth Beach, FL 33461



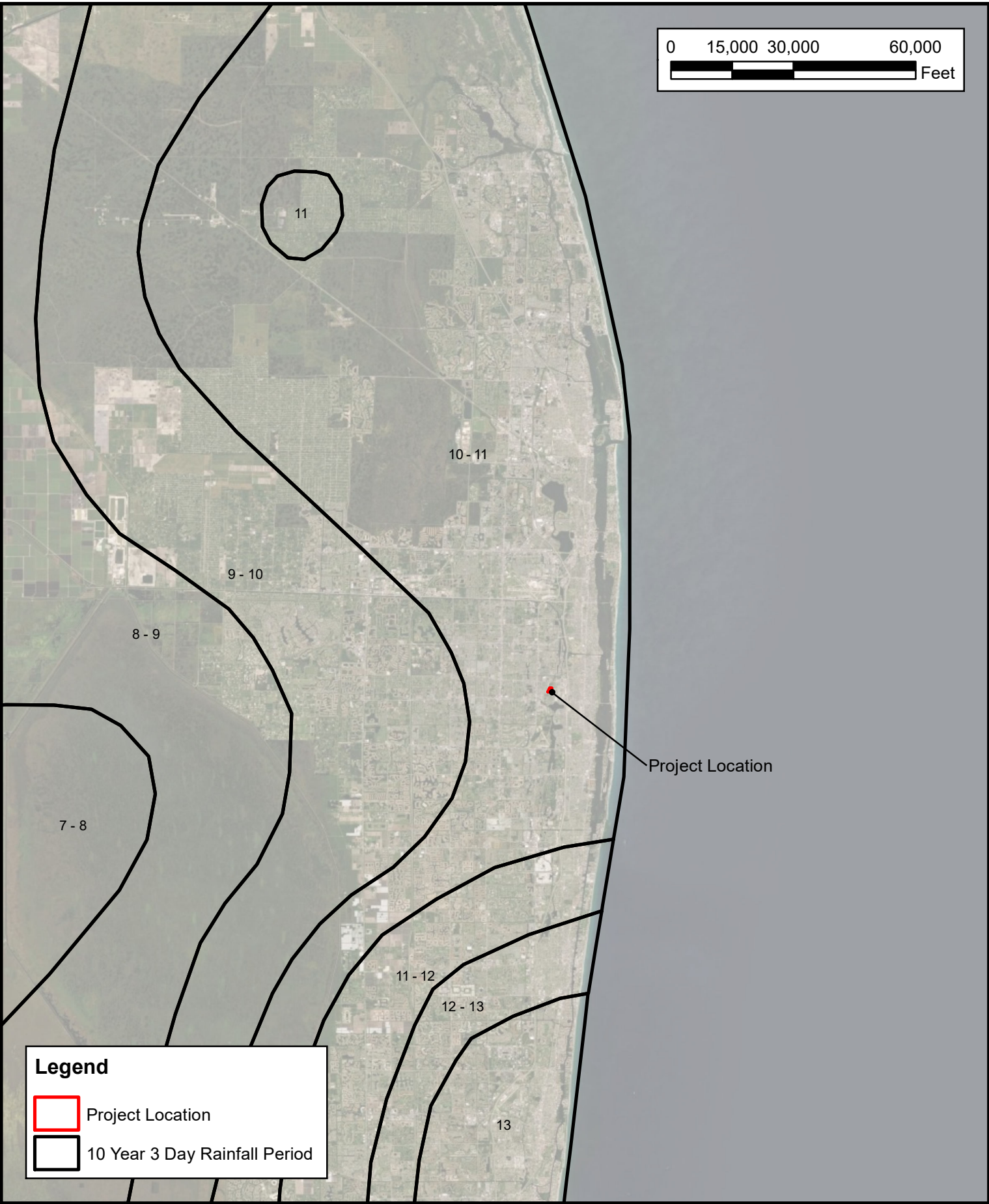
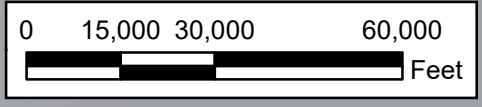
Kimley»Horn

600 North Pine Island Road, Suite 450
Plantation, Florida 33324
(954) 535-5100 Phone
(954) 739-2247 Fax
www.kimley-horn.com

APPENDIX A-5

SFWMD FLOOD CRITERIA (10-YEAR, 3-DAY RAINFALL)

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Review of and incorporation into this document without written authorization and adoption by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



Project Location

Legend



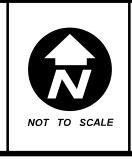
-  Project Location
-  10 Year 3 Day Rainfall Period

EXHIBIT NUMBER A-5	DATE:	07/2019
	DRAWN BY:	MB
	PROJECT NO.:	
	KHA NO.:	143051000

**10-YEAR, 3-DAY
RAINFALL**

PREPARED FOR:
2209 7th Avenue North
Lake Worth Beach, FL 33461

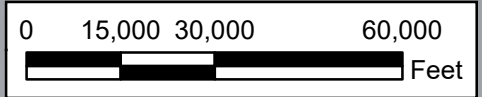
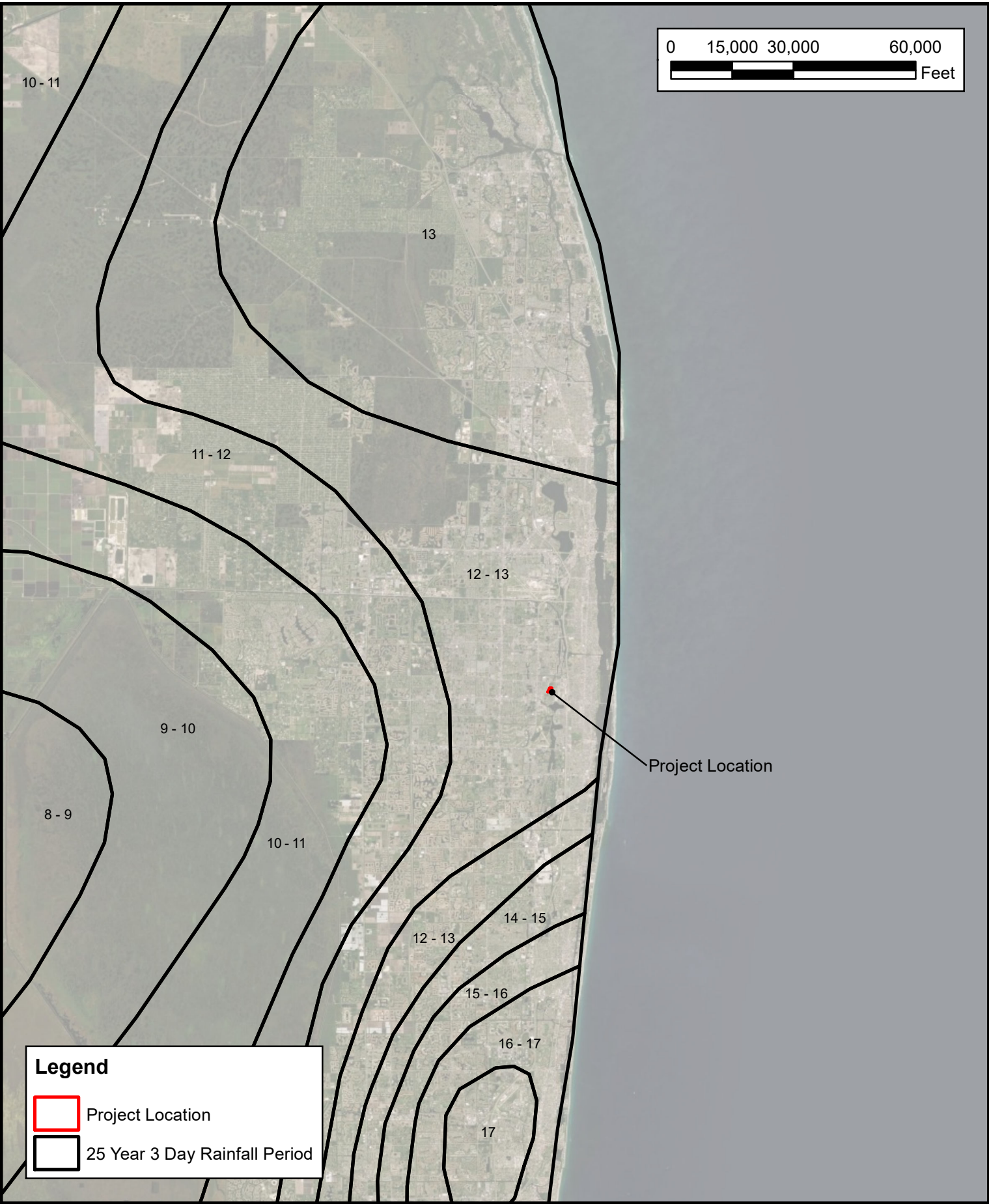


Kimley»Horn
600 North Pine Island Road, Suite 450
Plantation, Florida 33324
(954) 535-5100 Phone
(954) 739-2247 Fax
www.kimley-horn.com

APPENDIX A-6

SFWMD FLOOD CRITERIA (25-YEAR, 3-DAY RAINFALL)

This document, together with the concepts and designs presented herein, are an undertaking of services, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Review of and improvement of this document without written authorization and approval by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



Legend



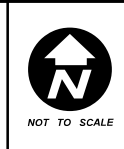
-  Project Location
-  25 Year 3 Day Rainfall Period

EXHIBIT NUMBER A-6	DATE:	07/2019
	DRAWN BY:	MB
	PROJECT NO.:	
	KHA NO.:	143051000

25-YEAR, 3-DAY RAINFALL

PREPARED FOR:
2209 7th Avenue North
Lake Worth Beach, FL 33461

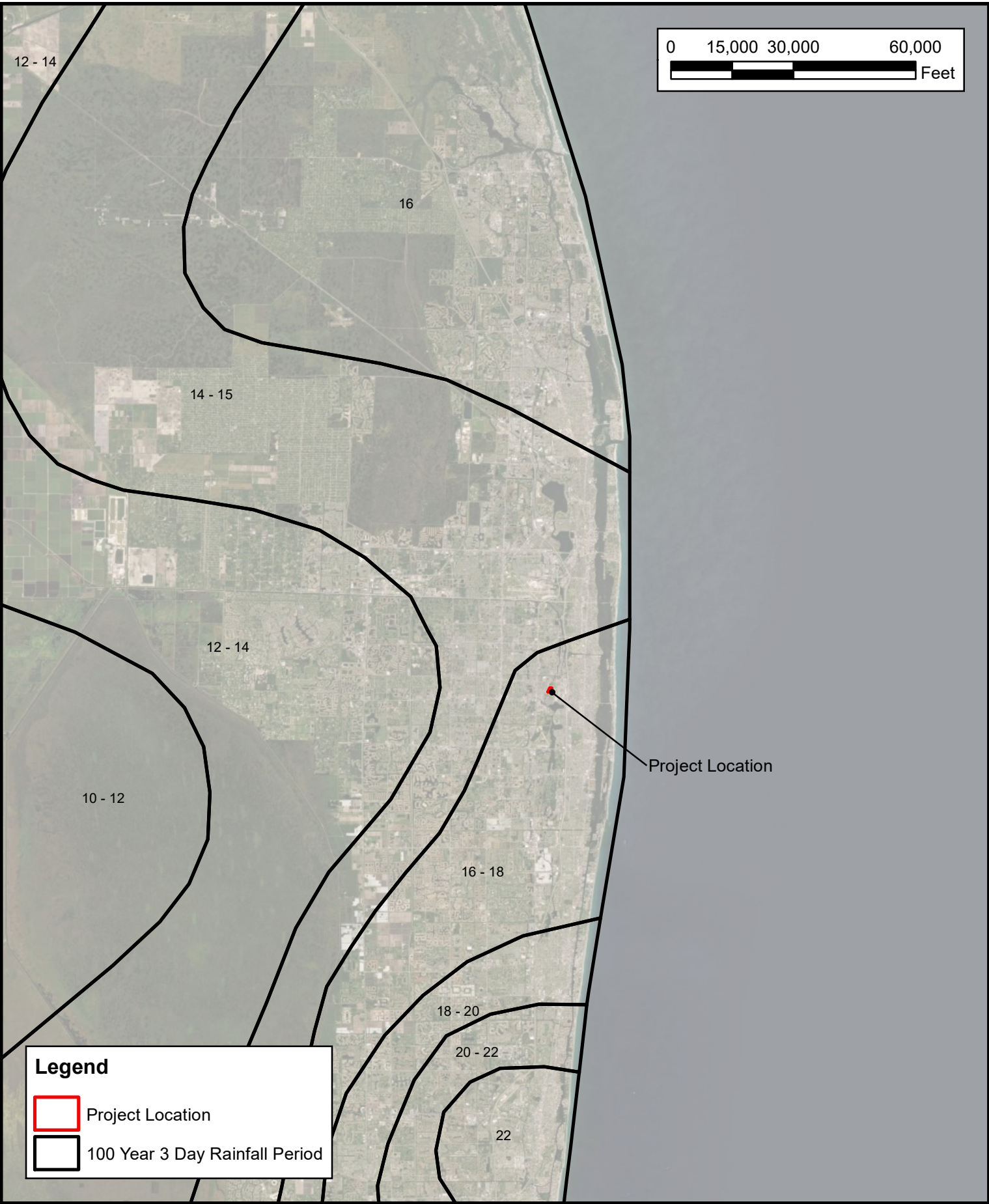
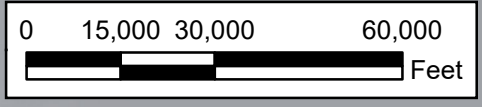


Kimley»Horn
600 North Pine Island Road, Suite 450
Plantation, Florida 33324
(954) 535-5100 Phone
(954) 739-2247 Fax
www.kimley-horn.com

APPENDIX A-7

SFWMD FLOOD CRITERIA (100-YEAR, 3-DAY RAINFALL)

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Review of and reliance on this document without written authorization and approval by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



Legend



-  Project Location
-  100 Year 3 Day Rainfall Period

EXHIBIT NUMBER A-7	DATE:	07/2019
	DRAWN BY:	MB
	PROJECT NO.:	
	KHA NO.:	143051000

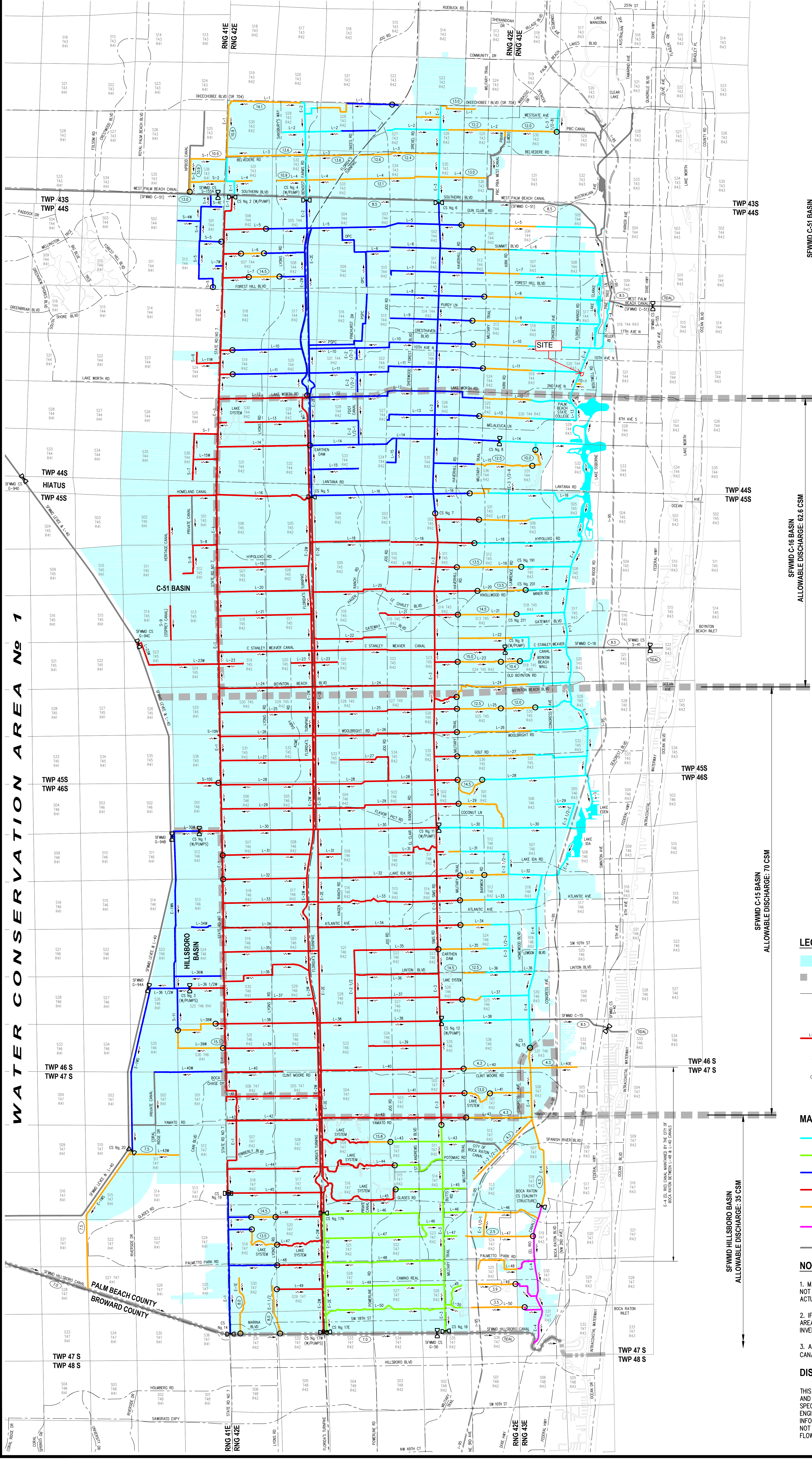
100-YEAR, 3-DAY RAINFALL

PREPARED FOR:
2209 7th Avenue North
Lake Worth Beach, FL 33461



Kimley»Horn
600 North Pine Island Road, Suite 450
Plantation, Florida 33324
(954) 535-5100 Phone
(954) 739-2247 Fax
www.kimley-horn.com

LAKE WORTH DRAINAGE DISTRICT MAINTAINED CANAL ELEVATIONS MAP



SFWM C-51 BASIN
ALLOWABLE DISCHARGE: 35 CSM (EAST OF TURNPIKE) & 27 CSM (WEST OF TURNPIKE)

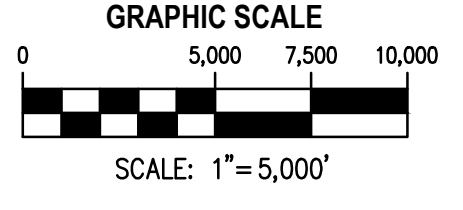
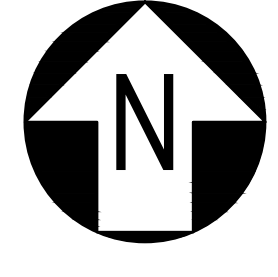
SFWM C-16 BASIN
ALLOWABLE DISCHARGE: 62.6 CSM

SFWM C-45 BASIN
ALLOWABLE DISCHARGE: 70 CSM

SFWM HILLSBORO BASIN
ALLOWABLE DISCHARGE: 35 CSM

ATLANTIC OCEAN

WATER CONSERVATION AREA NO. 1



LEGEND

- LWDD SERVICE AREA
- BOUNDARY LINE FOR SFWM BASIN AREAS
- PRINCIPAL ROADWAY
- DENOTES SOME SPECIFIC CANAL MAINTENANCE ELEVATIONS
- LWDD CANAL DESIGNATIONS (UNLESS OTHERWISE NOTED)
- DIRECTION OF FLOW
- CS No. 16 MAJOR LWDD (UNLESS OTHERWISE NOTED) DRAINAGE CONTROL STRUCTURE
- LWDD MINOR CONTROL STRUCTURE

MAINTAINED CANAL ELEVATIONS:

- CANAL ELEVATION = 8.5' NGVD (SEE NOTE No. 1)
- CANAL ELEVATION = 9.3' NGVD (SEE NOTE No. 1)
- CANAL ELEVATION = 13.0' NGVD (SEE NOTE No. 1)
- CANAL ELEVATION = 16.0' NGVD (SEE NOTE No. 1)
- CANAL ELEVATION VARIES (SEE NOTES No. 1 & 2)
- DENOTES AREAS WHERE CANAL ELEVATIONS ARE AFFECTED BY TIDAL CURRENT
- OTHER CANALS (NOT MAINTAINED BY LWDD)

NOTES:

1. MAINTENANCE ELEVATION OF THE CONTROL STRUCTURE AND NOT NECESSARILY THE CANAL WATER SURFACE ELEVATION. ACTUAL WATER ELEVATION IN THE CANAL WILL VARY.
2. IF UNSPECIFIED, THE MAINTENANCE ELEVATIONS IN THESE AREAS ARE DEPENDENT ON CANAL BOTTOM ELEVATIONS, CULVERT INVERT ELEVATIONS OR GROUNDWATER INTRUSION.
3. ALL ELEVATIONS ARE SUBJECT TO VERIFICATION BY A CURRENT CANAL CROSS SECTION(S) TO LWDD SPECIFICATIONS.

DISCLAIMER:

THIS MAP SHOWS THE MAINTAINED ELEVATIONS OF LWDD CANALS AND IS TO BE USED FOR INFORMATIONAL PURPOSES ONLY. FOR SPECIFIC DESIGN REQUIREMENTS, PLEASE CONTACT THE LWDD ENGINEERING DEPARTMENT DIRECTLY. CANAL RIGHT-OF-WAY INFORMATION IS NOT SHOWN ON THIS MAP. ALSO, THIS MAP DOES NOT DISTINGUISH CONVEYANCE METHODS BETWEEN OPEN CHANNEL FLOW OR FLOW THROUGH CLOSED CULVERTS.

APPENDIX B: DRAINAGE CALCULATIONS

APPENDIX B-1

PROPOSED AREA BREAKDOWN

EXHIBIT B-1

PROPOSED AREA BREAKDOWN

Future Area Type	Total		
	Square Feet	Acres	Percentage
<u>Pervious</u>			
Lake Bank	25113	0.58	6.0%
Green (excluding lake bank)	56874	1.31	13.6%
TOTAL PERVIOUS	81987	1.88	19.5%
<u>Impervious</u>			
Asphalt Pavement/ Sidewalk	217258	4.99	51.8%
Building	32702	0.75	7.8%
TOTAL IMPERVIOUS	249960	5.74	59.6%
<u>Lake</u>	87520	2.01	20.9%
Water surface only			
TOTAL SITE AREA	419467	9.63	100.0%

APPENDIX B-2

WATER QUALITY AND PRE-TREATMENT CALCULATIONS

EXHIBIT B-2

MINIMUM WATER QUALITY REQUIRED

- 1) Compute the first inch of runoff from the developed site:
$$= 1 \text{ in.} \times \text{Site Area} \times \left(\frac{1 \text{ ft}}{12 \text{ in.}} \right)$$
$$= 1 \text{ in.} \times 9.63 \text{ acres} \times \left(\frac{1 \text{ ft}}{12 \text{ in.}} \right) = \mathbf{0.80 \text{ ac} - \text{ft}}$$
- 2) Compute 2.5 times the percentage of imperviousness.
 - a. Site area for water quality pervious/impervious calculations only:
$$= \text{Total Project} - (\text{Water Surface} + \text{Roof})$$
$$= 9.63 \text{ acres} - (2.01 \text{ acres} + 0.75 \text{ acres}) = 6.87 \text{ acres}$$
 - b. Impervious area for water quality pervious/impervious calculations only:
$$= (\text{Site Area for Water Quality}) - \text{Pervious}$$
$$= 6.87 \text{ acres} - 1.88 \text{ acres} = 4.99 \text{ acres}$$
 - c. Percentage of imperviousness for water quality:
$$= (\text{Impervious Area for Water Quality} / \text{Site Area for Water Quality}) \times 100\%$$
$$= (4.99 \text{ acres} / 6.87 \text{ acres}) \times 100\% = 72.6\%$$
 - d. For 2.5 inches times the percentage impervious:
$$= 2.5 \text{ in.} \times \text{Percentage Impervious}$$
$$= 2.5 \text{ in.} \times 72.6\% = 1.82 \text{ in. to be treated}$$
 - e. Compute volume required for quality detention:
$$= \text{Inches to be Treated} \times (\text{Total Site} - \text{Lake})$$
$$= 1.82 \text{ in.} \times (9.63 \text{ acres} - 2.01) \times \left(\frac{1 \text{ ft}}{12 \text{ in.}} \right) = \mathbf{1.15 \text{ ac} - \text{ft}}$$

1.15 ac-ft (15.02 ac-in) of water quality volume is required as a minimum.

MINIMUM PRE-TREATMENT REQUIRED

- 1) Compute volume generated by 1/2" of rainfall:
$$= \frac{1}{2} \text{ in.} \times \text{Site Area} \times \left(\frac{1 \text{ ft}}{12 \text{ in.}} \right)$$
$$= \frac{1}{2} \text{ in.} \times 9.63 \text{ acres} \times \left(\frac{1 \text{ ft}}{12 \text{ in.}} \right) = \mathbf{0.40 \text{ ac} - \text{ft}}$$

0.40 ac-ft (4.82 ac-in) of pre-treatment is required as a minimum.

APPENDIX B-3

EXFILTRATION TRENCH CALCULATIONS

EXHIBIT B-3

Minimum Exfiltration Trench Calculations

Exfiltration Trench Parameters

Control Elevation (lowest rim elevation)	10.50	NAVD
Water Table:	7.00	NAVD
Top of trench	9.00	NAVD
Bottom of trench	5.00	NAVD
Pipe diameter	18	in.

$$L = \frac{FS[(\%WQ)(V_{wq}) + V_{add}]}{K(H_2W + 2H_2D_u - D_u^2 + 2H_2D_s) + (1.39 \times 10^{-4})WD_u} \text{ (Regular Formula)}$$

Exfiltration Trench Equation Parameters

FS, factor of safety	2.00	
%WQ, Water Quality Credit Percentage	50%	
V(wq), Volume of Water Quality	13.83	ac-in
V(add), Additional Storage Volume	0	ac-in
K, Hydraulic Conductivity ¹	0.000704	cfs/ft ² -ft
H ₂ , Distance from Water Table to Control Elevation ²	3.50	ft.
D _u , unsaturated trench depth	2	ft.
D _s , saturated trench depth	2.00	ft.
W, trench width	8.00	ft.

Required Exfiltration Trench

Credited Volume (Actual):	6.92	ac-in.
Regular/Conservative:	Regular	
Trench Required	356	LF
Trench Required	723	LF

Length of Trench Required³:	356 LF
---	---------------

1. Refer to Appendix D for Geotechnical Report
2. H₂ value is based on lowest discharge inlet connected to the exfiltration trench system
3. The conservative formula is required if the project meets one of the following criteria: 1) If the saturated trench depth (D_s) is greater than the non-saturated trench depth (D_u), or 2) If the trench width (W) is greater than two (2) times the total trench depth.

Required Pretreatment

Site Area	9.63	acres
0.5" x Site Area	4.82	ac-in.

Volume Required for Pretreatment	0.401 ac-ft
---	--------------------

EXHIBIT B-3

Provided Water Quality Calculations

Volume Provided in Exfiltration Trench

Proposed Length of Trench	2193	LF
Required Length of Trench	356	LF
Additional Trench Provided	1836.8	LF
Credited Volume Provided by Required Length	1.15	ac-ft
Volume Provided in Additional Trench (no credit applied)	2.972	ac-ft

Volume Provided by Exfiltration Trench:	4.12	ac-ft
--	-------------	--------------

APPENDIX B-4

SOIL STORAGE CALCULATIONS

EXHIBIT B-4

SOIL STORAGE (EXISTING CONDITIONS):

Average Elevation of Existing Site:	11.20	NAVD
Average Water Table Elevation:	7.00	NAVD
Average Depth to Water Table:	4.20	ft.
Soil Type:	Flatwoods	Compacted
Available Storage*:	6.75	in.
Percent Pervious (pervious area/total area):	19.55	%

*Soil Storage = Cumulative Water Storage * Percent Impervious*

SOIL STORAGE:	1.32	in.
----------------------	-------------	------------

APPENDIX B-5

STAGE STORAGE CALCULATIONS

EXHIBIT B-5

STAGE-STORAGE TABULATION

STAGE-STORAGE CALCULATIONS (POST-CONDITIONS)

Area Type	Green	Lake Vertical	Lake Linear	Impervious	Building	Exfiltration Trench	Total
Area (ac)	1.31	2.01	0.58	4.99	0.75	4.125	9.63
Low Elev.	11.0	7.0	7.0	10.5	100.00	7.0	-
High Elev.	13.0		12.0	13.0		9.0	-

Stage (ft) NGVD	Linear ac-ft	Vertical ac-ft	Linear ac-ft	Linear ac-ft	None ac-ft	Exfil Trench ac-ft	Total Storage ac-ft
7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7.50	0.00	1.00	0.01	0.00	0.00	1.03	2.05
8.00	0.00	2.01	0.06	0.00	0.00	2.06	4.13
8.50	0.00	3.01	0.13	0.00	0.00	3.09	6.24
9.00	0.00	4.02	0.23	0.00	0.00	4.12	8.37
9.50	0.00	5.02	0.36	0.00	0.00	4.12	9.51
10.00	0.00	6.03	0.52	0.00	0.00	4.12	10.67
10.50	0.00	7.03	0.71	0.00	0.00	4.12	11.86
11.00	0.00	8.04	0.92	0.25	0.00	4.12	13.33
11.50	0.08	9.04	1.17	1.00	0.00	4.12	15.41
12.00	0.33	10.05	1.44	2.24	0.00	4.12	18.18
12.50	0.73	11.05	1.73	3.99	0.00	4.12	21.63

Project Name: DOKA Lake Worth Beach
 Reviewer:
 Project Number: 143189000
 Period Begin: Nov 12, 2020;0000 hr End: Nov 14, 2020;0000 hr Duration: 48 hr
 Time Step: 0.2 hr, Iterations: 10

ALL ELEVATIONS IN NAVD

Basin 1: Site

Method: Santa Barbara Unit Hydrograph
 Rainfall Distribution: SFWMD - 24 hr
 Design Frequency: 5 year
 1 Day Rainfall: 7.5 inches
 Area: 9.63003 acres
 Ground Storage: 1.32 inches
 Time of Concentration: 0.1 hours
 Initial Stage: 7 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
7.00	0.00
7.50	2.05
8.00	4.13
8.50	6.24
9.00	8.37
9.50	9.51
10.00	10.67
10.50	11.86
11.00	13.33
11.50	15.41
12.00	18.18
12.50	21.63

Offsite Receiving Body: Offsitel

Time (hr)	Stage (ft NGVD)
0.00	7.00
120.00	7.00

Structure: 1

From Basin: Site
 To Basin: Offsitel
 Structure Type: Gravity
 Weir: Sharp Crested, Crest Elev = 10.6 ft NGVD, Length = 3 ft
 Bleeder: Inv-Tri, Invert Elev = 7 ft NGVD, Height = 0.5 ft
 Width = 0.5 ft
 Default Coefs: Weir Coef = 2.5, Orifice Coef = 0.6
 Pipe: Diameter = 2 ft, Manning's n = 0.012, Length = 60 ft
 US Invert Elev = 3 ft NGVD, DS Invert Elev = 3 ft NGVD, flap gate

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	7.00	7.00
1.00	0.07	0.00	0.00	0.00	7.00	7.00
2.00	0.15	0.00	0.00	0.00	7.00	7.00
3.00	0.24	0.00	0.00	0.00	7.00	7.00
4.00	0.34	0.09	0.00	0.00	7.00	7.00
5.00	0.47	0.30	0.00	0.00	7.00	7.00
6.00	0.62	0.58	0.00	0.00	7.01	7.00
7.00	0.81	0.92	0.00	0.00	7.03	7.00
8.00	1.03	1.28	0.00	0.00	7.05	7.00
9.00	1.28	1.76	0.00	0.00	7.08	7.00
10.00	1.60	2.38	0.01	0.00	7.12	7.00
11.00	2.02	3.75	0.02	0.00	7.19	7.00
12.00	4.92	45.46	0.30	0.01	7.59	7.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
13.00	5.75	5.37	0.43	0.04	7.84	7.00
14.00	6.14	3.24	0.45	0.08	7.90	7.00
15.00	6.38	2.12	0.47	0.12	7.94	7.00
16.00	6.60	2.12	0.48	0.16	7.98	7.00
17.00	6.74	1.27	0.49	0.20	7.99	7.00
18.00	6.87	1.27	0.49	0.24	8.01	7.00
19.00	7.01	1.28	0.50	0.28	8.02	7.00
20.00	7.14	1.28	0.51	0.32	8.04	7.00
21.00	7.23	0.85	0.51	0.36	8.05	7.00
22.00	7.32	0.85	0.51	0.41	8.05	7.00
23.00	7.41	0.85	0.51	0.45	8.06	7.00
24.00	7.50	0.85	0.52	0.49	8.07	7.00
25.00	7.50	0.00	0.51	0.53	8.06	7.00
26.00	7.50	0.00	0.51	0.58	8.05	7.00
27.00	7.50	0.00	0.51	0.62	8.04	7.00
28.00	7.50	0.00	0.50	0.66	8.03	7.00
29.00	7.50	0.00	0.50	0.70	8.02	7.00
30.00	7.50	0.00	0.49	0.74	8.01	7.00
31.00	7.50	0.00	0.49	0.78	8.00	7.00
32.00	7.50	0.00	0.49	0.82	7.99	7.00
33.00	7.50	0.00	0.48	0.86	7.98	7.00
34.00	7.50	0.00	0.48	0.90	7.97	7.00
35.00	7.50	0.00	0.48	0.94	7.96	7.00
36.00	7.50	0.00	0.47	0.98	7.95	7.00
37.00	7.50	0.00	0.47	1.02	7.94	7.00
38.00	7.50	0.00	0.47	1.06	7.93	7.00
39.00	7.50	0.00	0.46	1.10	7.92	7.00
40.00	7.50	0.00	0.46	1.13	7.92	7.00
41.00	7.50	0.00	0.45	1.17	7.91	7.00
42.00	7.50	0.00	0.45	1.21	7.90	7.00
43.00	7.50	0.00	0.45	1.25	7.89	7.00
44.00	7.50	0.00	0.44	1.28	7.88	7.00
45.00	7.50	0.00	0.44	1.32	7.87	7.00
46.00	7.50	0.00	0.44	1.36	7.86	7.00
47.00	7.50	0.00	0.43	1.39	7.85	7.00
48.00	7.50	0.00	0.43	1.43	7.84	7.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.52	24.00	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Site	8.07	24.00	7.00	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Site	4.91	0.00	1.42	0.00	3.49	0.00

Project Name: DOKA Lake Worth Beach
 Reviewer:
 Project Number: 143189000
 Period Begin: Nov 12, 2020;0000 hr End: Nov 16, 2020;0000 hr Duration: 96 hr
 Time Step: 0.2 hr, Iterations: 10

ALL ELEVATIONS IN NAVD

Basin 1: Site

Method: Santa Barbara Unit Hydrograph
 Rainfall Distribution: SFWMD - 3day
 Design Frequency: 10 year
 3 Day Rainfall: 10.5 inches
 Area: 9.63003 acres
 Ground Storage: 1.32 inches
 Time of Concentration: 0.1 hours
 Initial Stage: 7 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
7.00	0.00
7.50	2.05
8.00	4.13
8.50	6.24
9.00	8.37
9.50	9.51
10.00	10.67
10.50	11.86
11.00	13.33
11.50	15.41
12.00	18.18
12.50	21.63

Offsite Receiving Body: Offsitel

Time (hr)	Stage (ft NGVD)
0.00	7.00
120.00	7.00

Structure: 1

From Basin: Site
 To Basin: Offsitel
 Structure Type: Gravity
 Weir: Sharp Crested, Crest Elev = 10.6 ft NGVD, Length = 3 ft
 Bleeder: Inv-Tri, Invert Elev = 7 ft NGVD, Height = 0.5 ft
 Width = 0.5 ft
 Default Coefs: Weir Coef = 2.5, Orifice Coef = 0.6
 Pipe: Diameter = 2 ft, Manning's n = 0.012, Length = 60 ft
 US Invert Elev = 3 ft NGVD, DS Invert Elev = 3 ft NGVD, flap gate

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	7.00	7.00
1.00	0.05	0.00	0.00	0.00	7.00	7.00
2.00	0.09	0.00	0.00	0.00	7.00	7.00
3.00	0.14	0.00	0.00	0.00	7.00	7.00
4.00	0.19	0.00	0.00	0.00	7.00	7.00
5.00	0.24	0.00	0.00	0.00	7.00	7.00
6.00	0.28	0.01	0.00	0.00	7.00	7.00
7.00	0.33	0.04	0.00	0.00	7.00	7.00
8.00	0.38	0.07	0.00	0.00	7.00	7.00
9.00	0.42	0.09	0.00	0.00	7.00	7.00
10.00	0.47	0.11	0.00	0.00	7.01	7.00
11.00	0.52	0.13	0.00	0.00	7.01	7.00
12.00	0.56	0.15	0.00	0.00	7.01	7.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
13.00	0.61	0.17	0.00	0.00	7.01	7.00
14.00	0.66	0.18	0.00	0.00	7.02	7.00
15.00	0.71	0.20	0.00	0.00	7.02	7.00
16.00	0.75	0.21	0.00	0.00	7.03	7.00
17.00	0.80	0.22	0.00	0.00	7.03	7.00
18.00	0.85	0.24	0.00	0.00	7.03	7.00
19.00	0.89	0.25	0.00	0.00	7.04	7.00
20.00	0.94	0.26	0.00	0.00	7.04	7.00
21.00	0.99	0.26	0.00	0.00	7.05	7.00
22.00	1.03	0.27	0.00	0.00	7.05	7.00
23.00	1.08	0.28	0.00	0.00	7.06	7.00
24.00	1.13	0.29	0.00	0.00	7.07	7.00
25.00	1.20	0.44	0.00	0.00	7.07	7.00
26.00	1.27	0.45	0.00	0.00	7.08	7.00
27.00	1.33	0.46	0.00	0.00	7.09	7.00
28.00	1.40	0.47	0.00	0.00	7.10	7.00
29.00	1.47	0.48	0.01	0.00	7.11	7.00
30.00	1.54	0.49	0.01	0.00	7.12	7.00
31.00	1.61	0.50	0.01	0.00	7.13	7.00
32.00	1.68	0.51	0.01	0.00	7.14	7.00
33.00	1.75	0.52	0.01	0.00	7.15	7.00
34.00	1.81	0.52	0.01	0.01	7.16	7.00
35.00	1.88	0.53	0.02	0.01	7.17	7.00
36.00	1.95	0.54	0.02	0.01	7.18	7.00
37.00	2.02	0.54	0.02	0.01	7.19	7.00
38.00	2.09	0.55	0.02	0.01	7.20	7.00
39.00	2.16	0.55	0.03	0.01	7.21	7.00
40.00	2.23	0.56	0.03	0.02	7.22	7.00
41.00	2.29	0.56	0.03	0.02	7.23	7.00
42.00	2.36	0.57	0.04	0.02	7.25	7.00
43.00	2.43	0.57	0.04	0.02	7.26	7.00
44.00	2.50	0.57	0.05	0.03	7.27	7.00
45.00	2.57	0.58	0.05	0.03	7.28	7.00
46.00	2.64	0.58	0.06	0.04	7.29	7.00
47.00	2.71	0.58	0.06	0.04	7.30	7.00
48.00	2.77	0.59	0.07	0.05	7.31	7.00
49.00	2.85	0.66	0.07	0.05	7.32	7.00
50.00	2.93	0.67	0.08	0.06	7.33	7.00
51.00	3.02	0.81	0.09	0.07	7.35	7.00
52.00	3.12	0.94	0.10	0.07	7.36	7.00
53.00	3.25	1.22	0.11	0.08	7.38	7.00
54.00	3.42	1.50	0.13	0.09	7.41	7.00
55.00	3.61	1.79	0.16	0.11	7.44	7.00
56.00	3.83	2.08	0.19	0.12	7.48	7.00
57.00	4.09	2.52	0.26	0.14	7.52	7.00
58.00	4.42	3.10	0.29	0.16	7.57	7.00
59.00	4.85	4.54	0.33	0.19	7.64	7.00
60.00	7.84	48.80	0.52	0.22	8.07	7.00
61.00	8.70	5.65	0.60	0.27	8.33	7.00
62.00	9.09	3.40	0.62	0.32	8.40	7.00
63.00	9.34	2.22	0.63	0.37	8.44	7.00
64.00	9.57	2.22	0.64	0.43	8.47	7.00
65.00	9.71	1.33	0.64	0.48	8.48	7.00
66.00	9.85	1.33	0.65	0.53	8.50	7.00
67.00	9.99	1.33	0.65	0.59	8.51	7.00
68.00	10.13	1.33	0.66	0.64	8.52	7.00
69.00	10.22	0.89	0.66	0.69	8.53	7.00
70.00	10.31	0.89	0.66	0.75	8.53	7.00
71.00	10.41	0.89	0.66	0.80	8.54	7.00
72.00	10.50	0.89	0.66	0.86	8.54	7.00
73.00	10.50	0.00	0.66	0.91	8.53	7.00
74.00	10.50	0.00	0.65	0.97	8.52	7.00
75.00	10.50	0.00	0.65	1.02	8.50	7.00
76.00	10.50	0.00	0.65	1.07	8.49	7.00
77.00	10.50	0.00	0.64	1.13	8.48	7.00
78.00	10.50	0.00	0.64	1.18	8.47	7.00
79.00	10.50	0.00	0.64	1.23	8.45	7.00
80.00	10.50	0.00	0.63	1.29	8.44	7.00
81.00	10.50	0.00	0.63	1.34	8.43	7.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
82.00	10.50	0.00	0.63	1.39	8.42	7.00
83.00	10.50	0.00	0.62	1.44	8.40	7.00
84.00	10.50	0.00	0.62	1.49	8.39	7.00
85.00	10.50	0.00	0.62	1.54	8.38	7.00
86.00	10.50	0.00	0.61	1.59	8.37	7.00
87.00	10.50	0.00	0.61	1.64	8.36	7.00
88.00	10.50	0.00	0.60	1.69	8.34	7.00
89.00	10.50	0.00	0.60	1.74	8.33	7.00
90.00	10.50	0.00	0.60	1.79	8.32	7.00
91.00	10.50	0.00	0.59	1.84	8.31	7.00
92.00	10.50	0.00	0.59	1.89	8.30	7.00
93.00	10.50	0.00	0.59	1.94	8.29	7.00
94.00	10.50	0.00	0.58	1.99	8.27	7.00
95.00	10.50	0.00	0.58	2.04	8.26	7.00
96.00	10.50	0.00	0.58	2.08	8.25	7.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.66	72.00	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Site	8.54	72.00	7.00	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Site	7.27	0.00	2.08	0.00	5.19	0.00

Project Name: DOKA Lake Worth Beach
 Reviewer:
 Project Number: 143189000
 Period Begin: Nov 12, 2020;0000 hr End: Nov 16, 2020;0000 hr Duration: 96 hr
 Time Step: 0.2 hr, Iterations: 10

ALL ELEVATIONS IN NAVD

Basin 1: Site

Method: Santa Barbara Unit Hydrograph
 Rainfall Distribution: SFWMD - 3day
 Design Frequency: 25 year
 3 Day Rainfall: 12.5 inches
 Area: 9.63003 acres
 Ground Storage: 1.32 inches
 Time of Concentration: 0.1 hours
 Initial Stage: 7 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
7.00	0.00
7.50	2.05
8.00	4.13
8.50	6.24
9.00	8.37
9.50	9.51
10.00	10.67
10.50	11.86
11.00	13.33
11.50	15.41
12.00	18.18
12.50	21.63

Offsite Receiving Body: Offsitel

Time (hr)	Stage (ft NGVD)
0.00	7.00
120.00	7.00

Structure: 1

From Basin: Site
 To Basin: Offsitel
 Structure Type: Gravity
 Weir: Sharp Crested, Crest Elev = 10.6 ft NGVD, Length = 3 ft
 Bleeder: Inv-Tri, Invert Elev = 7 ft NGVD, Height = 0.5 ft
 Width = 0.5 ft
 Default Coefs: Weir Coef = 2.5, Orifice Coef = 0.6
 Pipe: Diameter = 2 ft, Manning's n = 0.012, Length = 60 ft
 US Invert Elev = 3 ft NGVD, DS Invert Elev = 3 ft NGVD, flap gate

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	7.00	7.00
1.00	0.06	0.00	0.00	0.00	7.00	7.00
2.00	0.11	0.00	0.00	0.00	7.00	7.00
3.00	0.17	0.00	0.00	0.00	7.00	7.00
4.00	0.22	0.00	0.00	0.00	7.00	7.00
5.00	0.28	0.01	0.00	0.00	7.00	7.00
6.00	0.34	0.05	0.00	0.00	7.00	7.00
7.00	0.39	0.09	0.00	0.00	7.00	7.00
8.00	0.45	0.12	0.00	0.00	7.00	7.00
9.00	0.50	0.15	0.00	0.00	7.01	7.00
10.00	0.56	0.18	0.00	0.00	7.01	7.00
11.00	0.62	0.20	0.00	0.00	7.01	7.00
12.00	0.67	0.22	0.00	0.00	7.02	7.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
13.00	0.73	0.24	0.00	0.00	7.02	7.00
14.00	0.78	0.26	0.00	0.00	7.03	7.00
15.00	0.84	0.28	0.00	0.00	7.03	7.00
16.00	0.90	0.29	0.00	0.00	7.04	7.00
17.00	0.95	0.31	0.00	0.00	7.05	7.00
18.00	1.01	0.32	0.00	0.00	7.05	7.00
19.00	1.06	0.33	0.00	0.00	7.06	7.00
20.00	1.12	0.34	0.00	0.00	7.06	7.00
21.00	1.18	0.35	0.00	0.00	7.07	7.00
22.00	1.23	0.36	0.00	0.00	7.08	7.00
23.00	1.29	0.37	0.00	0.00	7.09	7.00
24.00	1.34	0.38	0.00	0.00	7.09	7.00
25.00	1.42	0.57	0.00	0.00	7.10	7.00
26.00	1.51	0.58	0.01	0.00	7.12	7.00
27.00	1.59	0.59	0.01	0.00	7.13	7.00
28.00	1.67	0.61	0.01	0.00	7.14	7.00
29.00	1.75	0.62	0.01	0.00	7.15	7.00
30.00	1.83	0.63	0.01	0.00	7.16	7.00
31.00	1.91	0.63	0.02	0.01	7.18	7.00
32.00	2.00	0.64	0.02	0.01	7.19	7.00
33.00	2.08	0.65	0.02	0.01	7.20	7.00
34.00	2.16	0.66	0.03	0.01	7.21	7.00
35.00	2.24	0.66	0.03	0.01	7.23	7.00
36.00	2.32	0.67	0.04	0.02	7.24	7.00
37.00	2.40	0.68	0.04	0.02	7.25	7.00
38.00	2.49	0.68	0.05	0.02	7.27	7.00
39.00	2.57	0.69	0.05	0.03	7.28	7.00
40.00	2.65	0.69	0.06	0.03	7.29	7.00
41.00	2.73	0.70	0.06	0.04	7.30	7.00
42.00	2.81	0.70	0.07	0.04	7.32	7.00
43.00	2.89	0.70	0.08	0.05	7.33	7.00
44.00	2.98	0.71	0.09	0.06	7.34	7.00
45.00	3.06	0.71	0.09	0.06	7.35	7.00
46.00	3.14	0.71	0.10	0.07	7.37	7.00
47.00	3.22	0.72	0.11	0.08	7.38	7.00
48.00	3.30	0.72	0.12	0.09	7.39	7.00
49.00	3.39	0.81	0.13	0.10	7.40	7.00
50.00	3.49	0.82	0.14	0.11	7.42	7.00
51.00	3.60	0.98	0.16	0.12	7.43	7.00
52.00	3.72	1.15	0.17	0.14	7.45	7.00
53.00	3.87	1.49	0.20	0.15	7.48	7.00
54.00	4.07	1.83	0.25	0.17	7.51	7.00
55.00	4.30	2.18	0.27	0.19	7.54	7.00
56.00	4.56	2.53	0.30	0.22	7.58	7.00
57.00	4.87	3.05	0.33	0.24	7.63	7.00
58.00	5.26	3.75	0.36	0.27	7.70	7.00
59.00	5.78	5.48	0.40	0.30	7.78	7.00
60.00	9.34	58.51	0.59	0.34	8.30	7.00
61.00	10.36	6.76	0.68	0.40	8.61	7.00
62.00	10.83	4.07	0.70	0.45	8.69	7.00
63.00	11.12	2.65	0.71	0.51	8.73	7.00
64.00	11.40	2.65	0.72	0.57	8.77	7.00
65.00	11.56	1.59	0.73	0.63	8.79	7.00
66.00	11.73	1.59	0.73	0.69	8.81	7.00
67.00	11.89	1.59	0.73	0.75	8.82	7.00
68.00	12.06	1.59	0.74	0.81	8.84	7.00
69.00	12.17	1.06	0.74	0.87	8.85	7.00
70.00	12.28	1.06	0.74	0.94	8.85	7.00
71.00	12.39	1.06	0.74	1.00	8.86	7.00
72.00	12.50	1.06	0.74	1.06	8.87	7.00
73.00	12.50	0.00	0.74	1.12	8.85	7.00
74.00	12.50	0.00	0.74	1.18	8.84	7.00
75.00	12.50	0.00	0.73	1.24	8.82	7.00
76.00	12.50	0.00	0.73	1.30	8.81	7.00
77.00	12.50	0.00	0.73	1.36	8.80	7.00
78.00	12.50	0.00	0.72	1.42	8.78	7.00
79.00	12.50	0.00	0.72	1.48	8.77	7.00
80.00	12.50	0.00	0.72	1.54	8.75	7.00
81.00	12.50	0.00	0.71	1.60	8.74	7.00

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
82.00	12.50	0.00	0.71	1.66	8.73	7.00
83.00	12.50	0.00	0.71	1.72	8.71	7.00
84.00	12.50	0.00	0.70	1.78	8.70	7.00
85.00	12.50	0.00	0.70	1.83	8.69	7.00
86.00	12.50	0.00	0.70	1.89	8.67	7.00
87.00	12.50	0.00	0.69	1.95	8.66	7.00
88.00	12.50	0.00	0.69	2.01	8.65	7.00
89.00	12.50	0.00	0.69	2.06	8.63	7.00
90.00	12.50	0.00	0.68	2.12	8.62	7.00
91.00	12.50	0.00	0.68	2.18	8.61	7.00
92.00	12.50	0.00	0.67	2.23	8.59	7.00
93.00	12.50	0.00	0.67	2.29	8.58	7.00
94.00	12.50	0.00	0.67	2.34	8.57	7.00
95.00	12.50	0.00	0.66	2.40	8.55	7.00
96.00	12.50	0.00	0.66	2.45	8.54	7.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.74	72.00	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
Site	8.87	72.00	7.00	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
Site	8.86	0.00	2.45	0.00	6.41	0.00

Project Name: DOKA Lake Worth Beach
 Reviewer:
 Project Number: 143189000
 Period Begin: Nov 12, 2020;0000 hr End: Nov 16, 2020;0000 hr Duration: 96 hr
 Time Step: 0.2 hr, Iterations: 10

ALL ELEVATIONS IN NAVD

Basin 1: Site

Method: Santa Barbara Unit Hydrograph
 Rainfall Distribution: SFWMD - 3day
 Design Frequency: 100 year
 3 Day Rainfall: 16.3 inches
 Area: 9.63 acres
 Ground Storage: 1.32 inches
 Time of Concentration: 0.1 hours
 Initial Stage: 7 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
7.00	0.00
7.50	2.05
8.00	4.13
8.50	6.24
9.00	8.37
9.50	9.51
10.00	10.67
10.50	11.86
11.00	13.33
11.50	15.41
12.00	18.18
12.50	21.63

Offsite Receiving Body: Offsitel

Time (hr)	Stage (ft NGVD)
0.00	7.00
120.00	7.00

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
=====	=====	=====	=====	=====

BASIN MAXIMUM AND MINIMUM STAGES

Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
=====	=====	=====	=====	=====
Site	10.51	73.00	7.00	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
=====	=====	=====	=====	=====	=====	=====
Site	11.89	0.00	0.00	0.00	11.89	0.00

APPENDIX C: GEOTECHNICAL REPORT

**REPORT OF PRELIMINARY
GEOTECHNICAL EXPLORATION**

**PROPOSED PROCESSING FACILITY
2209 N 7TH AVENUE
LAKE WORTH, FLORIDA**

FOR

**2209 N. 7TH AVENUE, LLC.
785 NE 33RD STREET
BOCA RATON, FLORIDA 33431**

PREPARED BY

**NUTTING ENGINEERS OF FLORIDA, INC.
1310 NEPTUNE DRIVE
BOYNTON BEACH, FLORIDA 33426**

ORDER NO. 18648.1

APRIL, 2019



Geotechnical & Construction Materials
Engineering, Testing, & Inspection
Environmental Services

Offices throughout the state of Florida

www.nuttingengineers.com info@nuttingengineers.com



Geotechnical & Construction Materials
Engineering, Testing, & Inspection
Environmental Services

Offices throughout the state of Florida

www.nuttingengineers.com info@nuttingengineers.com

April 11, 2019

2209 N. 7th Avenue, LLC.
785 NE 33rd Street
Boca Raton, Florida 33431
Attn: Mr. Jason Pepitone
954-650-1760 Email: harley1113@msn.com

Subject: Report of Preliminary Geotechnical Exploration
Proposed Processing Facility
2209 7th Avenue North
Lake Worth, Florida

Dear Mr. Pepitone:

Nutting Engineers of Florida, Inc. (NE), has performed a preliminary Geotechnical Exploration for the proposed processing facility at the above referenced site in Lake Worth, Florida. This exploration was performed in accordance with the written authorization to proceed provided by you on March 18, 2019. This evaluation was performed to develop information regarding subsurface soil conditions at specific test locations which along with proposed construction information provided was used to develop opinions regarding earthwork procedures and foundations for support of the proposed construction. This report presents our findings and recommendations based upon the information examined at the time of this evaluation.

PROJECT INFORMATION

We understand that plans include developing the site with a processing building initially covering approximately 38,003 square feet with a future phase to include approximately 38,003 square feet. There will also be an administration building covering approximately 4,500 square feet, a repair and maintenance building covering approximately 5,000 square feet. In addition to the buildings, asphalt paved parking and drive areas, a lake and retention area and ancillary structures (precast concrete wall, debris enclosures, etc.) will be constructed. No structural loading conditions or other specific details were provided to us at this time.

Currently, the site is wooded and overgrown with some low-lying (standing water) areas. Based on a review of historical aerial photographs, the site was cleared and earthwork operations were observed in 2011 and again in 2014.

We estimate that in general, two to possibly nine feet of fill may be required to bring the site up to construction grade; however, the final building pad elevation shall be determined by a professional architect, civil engineer, or other qualified party.

We should be notified in writing by the client of any changes in the proposed construction along with a request to amend our foundation analysis and/or recommendations within this report as appropriate.

GENERAL SUBSURFACE CONDITIONS

Soil Survey Maps

As part of the geotechnical exploration, we have reviewed available Soil Conservation Service (SCS) survey maps for Palm Beach County. These SCS maps provide information about potential general shallow soil conditions in the project vicinity. This information was derived from approximately 6-foot deep manual auger borings, aerial photo and surface feature interpretation at some point in the past (mid 1980's to early 1970's). The SCS data may or may not reflect actual current site conditions.

A review of the Soil Survey for Palm Beach County revealed that at the time the survey was conducted, the soils encompassing the southern half of the site were described as Udorthents series. The Udorthents series consists of heterogeneous fill material, dredged from canals, which was placed over the natural mineral soils for urban development. Okeelanta Muck was encountered in the northern region of the site. This series consists of very poorly drained, organic soils that have sandy mineral material within a depth of 40 inches. It is in large fresh water marshes and small, isolated depressions. On the extreme eastern edge of the site at the time the survey was conducted, the soils were described as Immokalee fine sand. This series can be described as nearly level, poorly drained sandy soils in broad, flatwoods in the eastern part of the survey area. These soils were naturally formed in deep sandy marine sediment. Running along the canal on the western edge of the site the soils were described as Quartzipsamments, shaped. This unit consists of nearly level to gently sloping, well drained, deep, sandy soils. Cutting down ridges and spreading the soil over adjacent lower soils, by filling areas above the natural ground level and has altered these soils by filling and shaping soils for various development. We note that the maximum depth of the survey is six feet.

Subsurface Exploration

NUTTING ENGINEERS OF FLORIDA, INC. performed thirteen (13) Standard Penetration Test (SPT) borings (ASTM D-1586) to depths of ten to twenty-five feet below land surface. Fifteen test pits were also performed to better understand the soil conditions throughout the site. In addition, two (2) 'Usual Open-Hole' exfiltration tests were performed in accordance with South Florida Water Management District specifications, and three (3) double ring infiltration tests were performed at a depth of six inches.

The locations of the tests are indicated on the Boring Location Plan presented in the Appendix of this report. The boring locations were identified in the field using approximate methods; namely, a measuring wheel and available surface controls. As such the soil boring locations should be considered to be approximate.

Test Boring Results

In general, the borings recorded very loose to medium dense fine sand and debris to depths of approximately four to six feet followed by soft fibrous peat to depths of approximately eight to thirteen feet below ground surface. Beneath this the borings encountered loose to medium dense fine sand to a depth of twenty-five feet, the maximum depth explored.

Please see the enclosed soil classification sheet in the Appendix of this report for additional important information regarding these descriptions, the field evaluation and other related information.

Note: Substantially different subsurface conditions may exist at intervening locations between soil borings. Buried debris may or may not be identified or adequately delineated by soil borings. Such conditions may be revealed during site development activities (e.g. proof rolling, utility and foundation excavation activities) or other related activities. Should additional assurance be desired by the client, further subsurface investigation could be performed.

Test Pit Excavation Results

Test pits were excavated down to the suitable soils at fifteen locations within the reference area. The results of these excavations generally revealed a soil profile consisting of approximately four to seven feet of fine sand and debris (concrete, brick, wood, plastic, and metal) underlain by a layer of fibrous peat to approximately eight to ten feet, whereupon fine sand was encountered and the test pit was terminated.

Laboratory Testing and Results

Soil samples obtained from the drilling operations were preserved in jars and visually classified in the laboratory by a geotechnical engineer to confirm the field classifications. Selected soil samples of the organic peat recovered from the borings were subjected to testing to determine natural moisture and organic contents to estimate the engineering properties of these soils. The tests were performed on a selected samples believed to be representative of the materials encountered. Results of the test are tabulated below:

LABORATORY RESULTS

<i>Test Boring/Pit #</i>	<i>Soil Description</i>	<i>Sample Depth Interval (Feet)</i>	<i>Moisture Content (%)</i>	<i>Organic Content (%)</i>
B-6	Peat	6 – 8	240	34
B-8	Peat	4 – 6	556	74
B-16	Black Organic Silt	4 – 6	76	19
B-17	Peat	6 – 8	327	34
B-20	Black Peat & Silt	10 – 12	429	53

Groundwater Information

The immediate groundwater level was measured at the boring locations at the time of drilling. The groundwater level was encountered at approximate depths of half a foot to five and a half feet below the existing ground surface at the time of drilling. We note that some areas of the site were below the water table with as much as approximately five feet of standing water.

The immediate depth to groundwater measurements presented in this report will not provide a reliable indication of stabilized or more long term depth to groundwater at this site. Water table elevations can vary dramatically with time through rainfall, droughts, storm events, flood control activities, nearby surface water bodies, tidal activity, pumping and many other factors. For these reasons, this immediate depth to water data should not be relied upon alone for project design considerations.

Exfiltration Results

Two 'Usual Open-Hole' exfiltration tests were performed to a depth of six feet below the existing ground surface. The tests were performed in order to determine the hydraulic conductivity of the in situ subsurface soils to evaluate drainage requirements for the project.

The hydraulic conductivity value was determined to be 7.04×10^{-4} cubic feet per second, per square foot, per foot of head. Detailed soil descriptions and flow rates are presented in the Appendix.

Infiltration Results

Three double ring infiltration tests were performed in accordance with ASTM D3385 in order to analyze, by others, the drainage capabilities of the existing soils at the test locations to facilitate design of water retention areas. The tests returned an infiltration rate of 8.17 inches/hour. See the appendix for detailed flow rates and approximate test locations.

PRELIMINARY ANALYSIS AND RECOMMENDATIONS

The test borings and test pits performed for this project revealed variable soils conditions. The historical information along with the soil conditions discovered as part of this study indicated that the site was cleared and earthwork operations were observed in 2011 and again in 2014. The site appears to have been filled with various materials mainly consisting of construction debris (concrete, brick, wood, and steel). In addition, an organic peat layer of between one foot thick minimum, two to three feet median thickness, and four to six feet maximum thickness was generally encountered over much of the northern and central areas of the site and extended from a minimum of five feet to a maximum of thirteen feet below the existing ground surface. Additional subsurface studies will be needed prior to finalizing the design and permitting process as portions of the site were under water and inaccessible at this time.

As proposed, the building would be situated on soils that are characterized as being: Areas of buried construction debris; Areas of clean sand and limerock; areas of sand over varying thickness of peat, and areas that have as much as five feet of standing water.

Constructing the building on the existing soils using a shallow foundation system would result in excessive total and differential settlements. We considered several options for shallow support of the building (both conventional and mat foundation) and deep foundations including:

- Over-excavating the soils to remove the compressible organic soils and replace them with well compacted structural fill.
- Deep Dynamic Compaction or Vibro-Compaction after excavation and filling.
- Rigid inclusions.
- Mass Soil Mixing.
- We also considered supporting the building using a deep foundation system consisting of augercast piles.

Due to the presence of debris and organic soils, the potential for long term settlement, and costs, it is our opinion that the over-excavation and filling with well compacted structural fill should be considered as the most technically feasible alternative. This should provide an allowable soil bearing capacity of 2,500 pounds per square foot. If higher bearing capacities up to approximately 6,000 pounds per square foot may be more beneficial, vibro-compaction should be considered after the excavation and filling is completed. We can provide details of this soil improvement method once more design and construction details are available.

The decision as to which alternative is best for this project will depend on several factors including costs, scheduling, structural loading conditions, final design parameters and other considerations. We recommend that discussions be held with representatives of the design and specialty contractor firms to better evaluate these and possibly other alternatives.

The following sections present general information that we feel is important concerning our recommended approach for foundation design and provides general details for further discussion. Once the over-excavation operations are properly completed, it is our opinion that an allowable soil bearing capacity of 3,000 pounds per square foot may be used for the foundation design.

Over-Excavation Alternative

It is our opinion that in order to properly prepare the site for a shallow foundation system consisting of conventional column and wall footings with a slab-on-grade, and using an allowable soil bearing capacity of 2,500 pounds per square foot, the building areas will need to be over-excavated to a maximum depth of approximately thirteen feet below existing grade to remove the organic soils, and to provide a uniform base beneath the building. Suitable soils above the organics and the inert construction debris may be stockpiled separately for use as backfill. We anticipate that some crushing of the construction debris material may be required to create a suitable structural fill material.

Fill placed below the natural groundwater level should consist of a well-graded mixture of sand and limestone/crushed concrete having a minimum Limerock Bearing Ratio (LBR) of 60. The maximum particle size should not exceed six inches and no more than 10 percent passing the No. 200 sieve for material placed below the water table. The fill may be placed in a loose state until reaching no more than two feet above the natural groundwater level.

Once the fill has been brought to two feet above the natural ground water table, the soils should be compacted with at least twenty passes (ten in the north/south direction, ten in the east/west direction) and until ground surface subsidence has been minimized, with a vibratory compacter with a minimum dynamic force of 20 tons operated at a slow walking pace. Also, the surface should be compacted until a density equivalent to at least 98 percent of the modified Proctor maximum dry density (ASTM D-1557) is achieved to a depth of at least 12 inches below the compacted surface.

Fill then placed above the proof rolled surface may consist of clean granular soils, free of debris and organics, and shall have no more than 10 percent passing the No. 200 sieve, with a maximum particle size of 3 inches. The fill should be placed in lifts not exceeding 12 inches in loose thickness. Each lift should be compacted until densities equivalent to at least 98 percent of the modified Proctor maximum dry density are uniformly obtained. Field densities should be taken at a frequency of one per 5,000 square feet of building area with a minimum of one density per 2,500 square feet at the final lift.

Following site and building pad construction as discussed above, the foundation area should be excavated and the footings formed. The bottom of foundation excavations should be compacted after excavation to develop a minimum density requirement of 98 percent of the maximum modified Proctor dry density, for a minimum depth of one foot below the bottom of the footing depth. The floor slab area should also be compacted in the same manner.

A representative from Nutting Engineers should be present at the site to observe that the subsurface conditions are as we have discussed herein, and that earthwork activities are in accordance with our recommendations.

Earth Pressure on Walls

Below grade structures should be designed to resist lateral earth pressure from granular backfill, surcharge loads, and unbalanced hydrostatic forces. We anticipate that soils supported by any retaining walls, if required, for the project will consist of a limestone and sand mixture. We estimate these soils will have an effective friction angle within the range of 30 degrees. The maximum toe pressure should not exceed 2,500 psf for walls resting on compacted structural soil. A passive soil resistance equal to a uniform pressure of 300 psf may be used for undisturbed soil against the face of the base or a key below the base of the wall. The walls can be designed for a coefficient of friction between the base of the wall and the subgrade soils of 0.3.

Excessive compaction of the fill behind the wall should be avoided since it could result in the development of lateral pressures whose intensity exceeds that used for design. Slab or other load carrying element loads must be included in the design of the walls. For foundation or other buried walls that are not restrained during backfilling but are free to rotate at the top, active earth pressure should be used in design. Walls that are restrained should be designed assuming at-rest earth pressures.

Estimated design geotechnical soil parameters were developed from the results of the test borings. The following table summarizes our recommendations for the soil parameters and the lateral active and passive pressure coefficients to be utilized for construction. The design of the support system shall include hydrostatic pressure acting behind the wall at the highest anticipated water level during construction, and/or design life of the structure.

SUMMARY OF DESIGN GEOTECHNICAL PARAMETERS

DEPTH (FEET)	SPT N- VALUE RANGE (Average)	SOIL UNIT WEIGHT (PCF)		ANGLE OF INTERNAL FRICTION (DEGREES)	EARTH PRESSURE COEFFICIENT		
		SATURATED	SUB- MERGED		AT REST (K _o)	ACTIVE (K _a)	PASSIVE (K _p)
0-7	2-30	115	57.6	30	0.5	0.33	3.00

Passenger Vehicle Asphalt Parking Areas

The following would apply within asphalt parking and drive areas. Any deleterious material encountered should be removed and replaced with suitable fill as specified in the "Site Preparation" section of this report. A stabilized subgrade having a minimum LBR of 40 shall be placed to a depth of at least twelve inches below the base course. The stabilized subgrade should be compacted to an equivalent density of 98 percent of the modified Proctor maximum dry density. The base course should be placed to at least eight inches below the asphalt and should have a minimum LBR of 100. The base material should be compacted to 98 percent of the modified Proctor maximum dry density. The pavement material and thickness should be based on design requirements. It is our opinion that onsite materials may meet both of the LBR requirements, however, specific tests should be performed to confirm this.

At this time it appears that material will need to be imported in order to develop the subbase and base course sections at the site. We would require that the collection of bulk samples of both the imported base and sub-base course in order to determine their LBR values and suitability. When more engineering information is available pertaining to the pavement design we can provide more detailed input.

GENERAL INFORMATION

Our client for this geotechnical evaluation was:

2209 N. 7th Avenue, LLC.
785 NE 33rd Street
Boca Raton, Florida 33431
Attn: Mr. Jason Pepitone

The contents of this report are for the exclusive use of the client and the client's design team for this specific project exclusively. Information conveyed in this report shall not be used or relied upon by other parties or for other projects without the expressed written consent of Nutting Engineers of Florida, Inc. This report discusses geotechnical considerations for this site based upon observed conditions and our understanding of proposed construction for foundation support. Environmental issues including (but not limited to), soil and/or groundwater contamination are beyond our scope of service for this project. As such, this report should not be used or relied upon for evaluation of environmental issues.

If conditions are encountered which are not consistent with the findings presented in this report, or if proposed construction is moved from the location investigated, this office shall be notified immediately so that the condition or change can be evaluated and appropriate action taken.

The vibratory compaction equipment may cause vibrations that could be felt by persons within nearby buildings and could potentially induce structural settlements. Additionally, preexisting settlements may exist within these structures that could be construed to have been caused or worsened by the proposed vibratory compaction after the fact. Pre- and post conditions surveys of these structures along with the vibration monitoring during vibratory compaction could be performed to better evaluate this concern. The contractor should exercise due care during the performance of the vibratory compaction work with due consideration of potential impacts on existing structures. If potential vibrations and impacts are not considered tolerable, then alternate foundation modification techniques should be considered.

Nutting Engineers of Florida, Inc. shall bear no liability for the implementation of recommended inspection and testing services as described in this report if implemented by others. Nutting has no ability to verify the completeness, accuracy or proper technique of such procedures if performed by others.

Excavations of five feet or more in depth should be sloped or shored in accordance with OSHA and State of Florida requirements.

The Geotechnical Engineer warrants that the findings, recommendations, specifications, or professional advice contained herein, have been prepared after being prepared in accordance with general accepted professional practice in the field of foundation engineering, soil mechanics and engineering geology. No other warranties are implied or expressed.



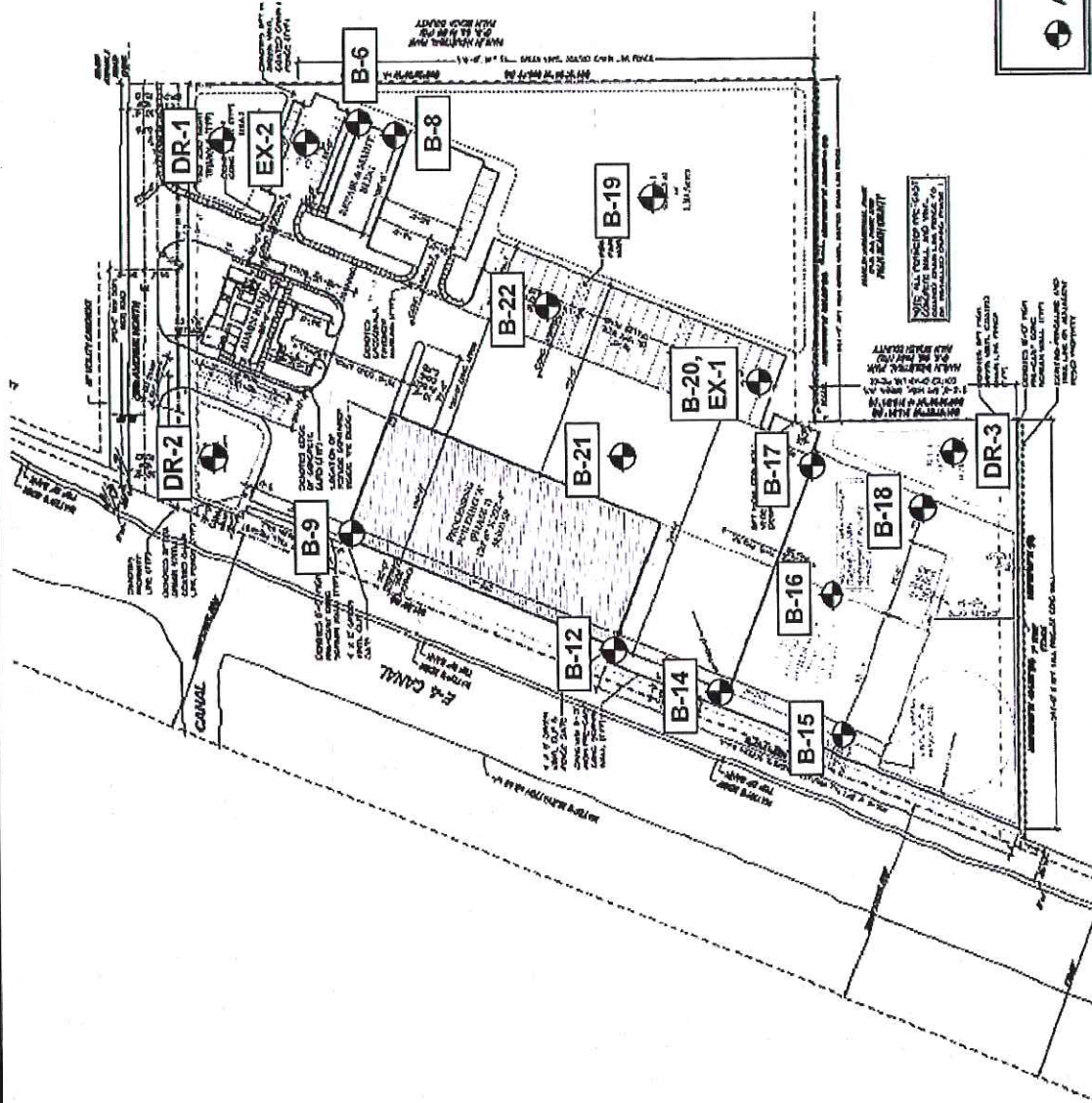
We appreciate the opportunity to be of service on this project. If we can be of any further assistance, or if you need additional information, please contact us at your convenience.

Sincerely,
NUTTING ENGINEERS OF FLORIDA, INC.

Natalie Chavez for
Adrian Ramirez
Engineering Intern

Richard Wohlfarth 4/11/19
Richard C. Wohlfarth, P.E. #50858
Director of Engineering

Attachments: Boring Location Plan - Figure 1
Test Pit Location Plan - Figure 2
Test Boring Logs
Test Pit Logs
Exfiltration Test Results
Double Ring Infiltration Test Results
Limitations of Liability
Soil Classification Criteria



- LEGEND -
 ○ APPROX. TEST LOCATION

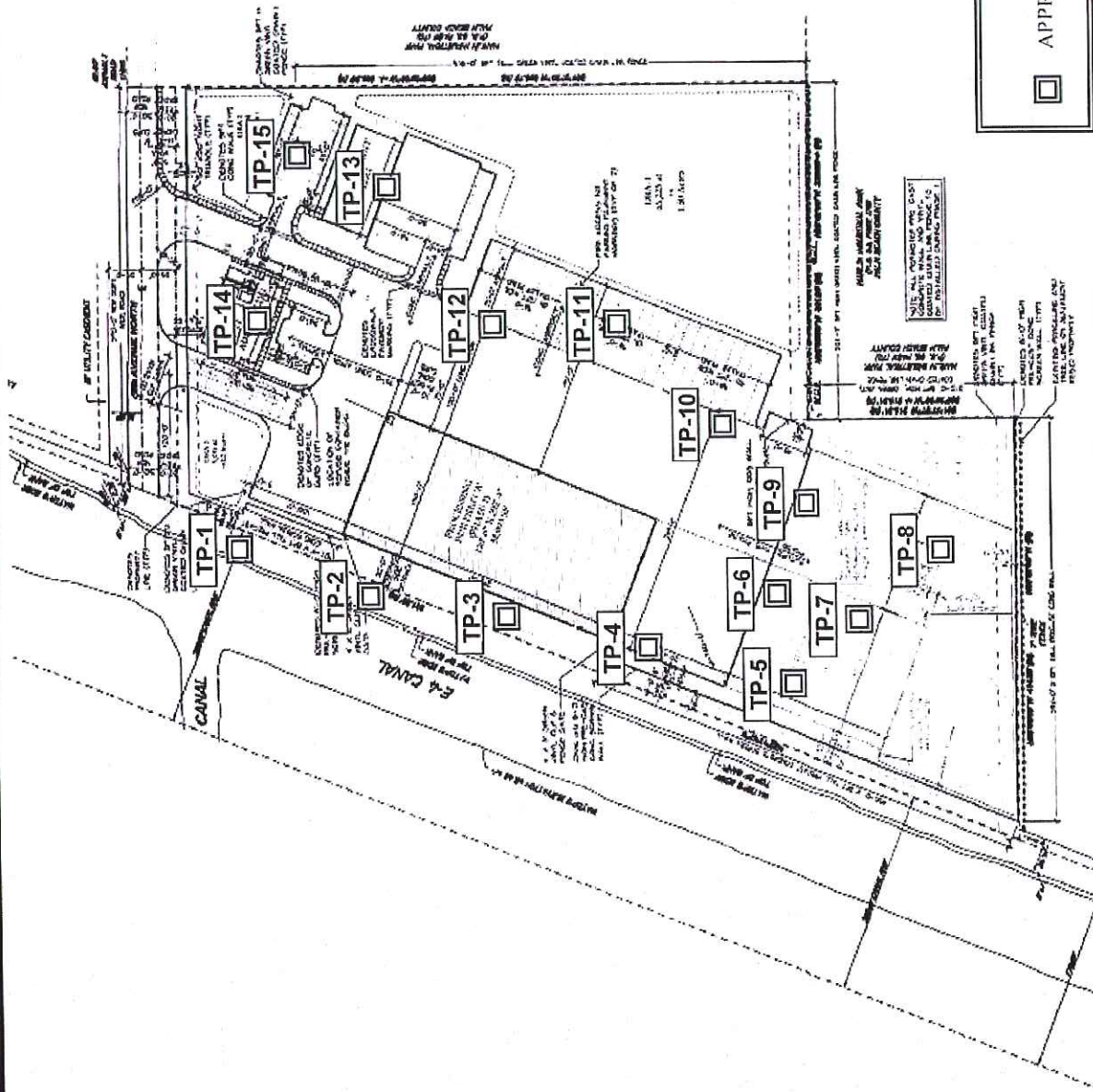
2209 N. 7th Avenue, LLC
 Proposed Processing Facility
 2209 7th Avenue North
 Lake Worth, Florida

ORDER NO. 18648.1

GEOTECHNICAL EXPLORATION
 — Not to Scale —

FIG. 1

NUTTING ENGINEERS
 — OF FLORIDA, INC. —
 ESTABLISHED 1987



- LEGEND -
 □ APPROX. TEST PIT LOCATION

NUTTING ENGINEERS
 OF FLORIDA, INC.
 ESTABLISHED 1967

2209 N. 7th Avenue, LLC
Proposed Processing Facility
 2209 7th Avenue North
 Lake Worth, Florida

ORDER NO. 18648.1

APPROXIMATE
 TEST
 LOCATION PLAN

GEOTECHNICAL EXPLORATION

— Not to Scale —

FIG. 2



1310 Neptune Drive
 Boynton Beach, FL, 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-6

PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC

PROJECT NUMBER 18648.1

PROJECT NAME Proposed Processing Facility

PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida

DATE STARTED 3/21/19

COMPLETED 3/21/19

SURFACE ELEVATION REFERENCE Approx. @ Road Crown

DRILLING METHOD Standard Penetration Boring

GROUND WATER LEVELS:

LOGGED BY T. Donovan

CHECKED BY C. Gworek

▽ AT TIME OF DRILLING 1.0 ft.

APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲		
						10	20	30
						PL	MC	LL
						20	40	60
						□ FINES CONTENT (%) □		
						20	40	60
0		Gray to brown fine SAND and DEBRIS (fill)	SS 1	2-3-4-4	7			
			SS 2	3-10-3-6	13			
			SS 3	3-8-3-2	11			
		Brown fibrous PEAT	SS 4	1-1-1-6	2			
		Gray fine SAND	SS 5	7-8-10-10	18			
			SS 6	5-6-8-10	14			
		Brown fine SAND	SS 7	3-4-6	10			
		Gray fine SAND	SS 8	6-7-10	17			
		Bottom of hole at 20.0 feet.						

TEST NUTTING BOREHOLE 1-18617.2 2209 N 7TH AVENUE, LLC - PROPOSED PROCESSING FACILITY 2209 N 7TH AVENUE LAKE WORTH GPJ GINT US GDT 3/28/19

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, Fl., 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-8
 PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT NAME Proposed Processing Facility
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida

DATE STARTED 3/21/19 COMPLETED 3/21/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek ∇ AT TIME OF DRILLING 0.5 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL	MC	LL	
						20	40	60	80
						□ FINES CONTENT (%) □			
						20	40	60	80
0	∇	Gray to brown fine SAND and DEBRIS (fill)	SS 1	2-20-6-3	26				
			SS 2	2-4-2-4	6	▲			
5		Brown fibrous PEAT	SS 3	3-2-2-2	4	▲			
		Gray fine SAND	SS 4	2-5-9-9	14		▲		
			SS 5	8-9-10-8	19			▲	
			SS 6	5-8-8-11	16			▲	
15			SS 7	6-6-7	13			▲	
			SS 8	7-9-10	19			▲	
20		Bottom of hole at 20.0 feet.							

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, FL, 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-9

PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT NAME Proposed Processing Facility
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida

DATE STARTED 3/25/19 COMPLETED 3/25/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek ∇ AT TIME OF DRILLING 2.0 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL	MC	LI	
						20	40	60	80
						□ FINES CONTENT (%) □			
						20	40	60	80
0		Brown fine SAND and LIMESTONE fragments (fill)	SS 1	2-20-8-7	28				
0		Brown fibrous PEAT	SS 2	3-2-2-2	4	▲			
5			SS 3	1-1-1-11	2	▲			
5			SS 4	2-4-5-5	9	▲			
10		Brown fine SAND	SS 5	4-4-4-5	8	▲			
10			SS 6	2-2-4-4	6	▲			
15			SS 7	3-3-4	7	▲			
20		Bottom of hole at 20.0 feet.	SS 8	4-5-5	10	▲			

TEST NUTTING BOREHOLE 1-18617.2 2209 N 7TH AVENUE LLC - PROPOSED PROCESSING FACILITY 2209 N 7TH AVENUE LAKE WORTH, FL 32819

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, Fl., 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-12

PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT NAME Proposed Processing Facility
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida

DATE STARTED 3/25/19 COMPLETED 3/25/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek ∇ AT TIME OF DRILLING 3.0 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL MC LL			
						20	40	60	80
						□ FINES CONTENT (%) □			
						20	40	60	80
0		Brown fine SAND	SS 1	2-3-4-7	7	▲			
		Gray fine SAND	SS 2	6-5-11-11	16		▲		
5			SS 3	7-5-5-6	10		▲		
			SS 4	4-4-4-4	8		▲		
			SS 5	4-5-6-6	11		▲		
10		Brown fine SAND	SS 6	3-3-4-5	7		▲		
			SS 7	4-3-5	8		▲		
15									
		Gray fine SAND	SS 8	6-5-6	11		▲		
20		Bottom of hole at 20.0 feet.							

TEST NUTTING BOREHOLE 1-186172 2209 N. 7TH AVENUE LLC - PROPOSED PROCESSING FACILITY 2209 N. 7TH AVENUE LAKE WORTH, FL. GINT US, SGT. 3/25/19

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, FL, 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-14

PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT NAME Proposed Processing Facility
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida

DATE STARTED 3/22/19 COMPLETED 3/22/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek ∇ AT TIME OF DRILLING 5.5 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL MC LL 20 40 60 80			
						<input type="checkbox"/> FINES CONTENT (%) <input type="checkbox"/> 20 40 60 80			
0		Brown to dk. brown fine SAND (fill)	SS 1	2-4-20-8	24				
			SS 2	2-3-4-3	7				
5		Brown fine SAND	SS 3	5-3-3-3	6				
			SS 4	5-4-6-5	10				
10		Reddish brown fine SAND	SS 5	6-5-6-7	11				
			SS 6	5-4-5-7	9				
15		Lt. grey fine SAND	SS 7	3-3-4	7				
20		Bottom of hole at 20.0 feet.	SS 8	4-7-6	18				

TEST NUTTING BOREHOLE 1-18617.2 2209 N 7TH AVENUE LLC - PROPOSED PROCESSING FACILITY 2209 N 7TH AVENUE LAKE WORTH-GPJ GINT US-GDT 3/28/19

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, Fl., 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-15
 PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT NAME Proposed Processing Facility
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida

DATE STARTED 3/22/19 COMPLETED 3/22/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek ∇ AT TIME OF DRILLING 4.5 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						PL	MC	LL	
						□ FINES CONTENT (%) □			
						20	40	60	80
0		Gray to brown SAND, trace root and debris (fill)	SS 1	1-1-1-1	2				
5		Brown fine SAND	SS 2	5-5-4-4	9				
		Reddish brown fine SAND	SS 3	4-3-5-6	8				
			SS 4	4-4-6-5	10				
			SS 5	6-6-7-8	13				
			SS 6	5-9-4-7	13				
15			SS 7	3-3-3	6				
		Gray fine SAND	SS 8	6-8-7	15				
20		Bottom of hole at 20.0 feet.							

TEST NUTTING BOREHOLE - 1-18617.2-2209 N 7TH AVENUE LLC - PROPOSED PROCESSING FACILITY 2209 N 7TH AVENUE LAKE WORTH-GPJ GINT US-GDT 3/28/19

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, FL, 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-16

PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT NAME Proposed Processing Facility
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida

DATE STARTED 3/22/19 COMPLETED 3/22/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek ∇ AT TIME OF DRILLING 4.5 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL MC LL 20 40 60 80			
						□ FINES CONTENT (%) □			
						20	40	60	80
0		Brown fine SAND (fill)	SS 1	1-4-5-5	9				
		Black organic SILT	SS 2	4-4-2-2	6				
5	∇	Dk. gray fine SAND	SS 3	2-2-6-11	8				
		Gray fine SAND	SS 4	8-7-6-6	13				
			SS 5	4-4-5-5	9				
			SS 6	4-5-5-7	10				
			SS 7	3-3-4	7				
			SS 8	6-7-7	14				
20		Bottom of hole at 20.0 feet.							

TEST NUTTING BOREHOLE 1-18617.2 2209 N 7TH AVENUE LLC - PROPOSED PROCESSING FACILITY 2209 N 7TH AVENUE LAKE WORTH, FL GINT US.GOT 3/28/19

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, Fl., 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-17
 PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT NAME Proposed Processing Facility
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida

DATE STARTED 3/22/19 COMPLETED 3/22/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek ∇ AT TIME OF DRILLING 3.5 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL MC LL 20 40 60 80			
						□ FINES CONTENT (%) □			
						20	40	60	80
0		Gray to brown SAND and DEBRIS (fill)	SS 1	1-2-2-2	4	▲			
5			SS 2	7-3-8-3	11	▲			
6		Brown fibrous PEAT	SS 3	1-2-1-2	3	▲			
7			SS 4	1-3-9-7	12	▲			
8		Gray fine SAND	SS 5	4-5-6-6	11	▲			
9			SS 6	3-2-4-5	6	▲			
10									
11									
12									
13									
14									
15			SS 7	4-5-7	12	▲			
16									
17									
18									
19									
20		Bottom of hole at 20.0 feet.	SS 8	8-6-5	11	▲			

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, Fl., 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-18

PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC

PROJECT NUMBER 18648.1

PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida

PROJECT NAME Proposed Processing Facility

DATE STARTED 3/22/19

COMPLETED 3/22/19

SURFACE ELEVATION REFERENCE Approx. @ Road Crown

DRILLING METHOD Standard Penetration Boring

GROUND WATER LEVELS:

LOGGED BY T. Donovan

CHECKED BY C. Gworek

▽ AT TIME OF DRILLING 4.0 ft

APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL MC LI 20 40 60 80			
						□ FINES CONTENT (%) □ 20 40 60 80			
0		Gray to brown fine SAND, some debris (fill)							
			SS 1	1-1-3-2	4	▲			
			SS 2	4-2-1-1	3	▲			
5		Gray fine SAND, some peat	SS 3	10-15-15-8	30			▲	
		Gray to lt. gray fine SAND	SS 4	3-4-7-12	11		▲		
			SS 5	8-10-13-13	23			▲	
			SS 6	8-9-11-11	20			▲	
15			SS 7	4-6-7	13		▲		
20		Bottom of hole at 20.0 feet.	SS 8	8-9-11	20			▲	

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, FL, 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-19
 PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida PROJECT NAME Proposed Processing Facility

DATE STARTED 3/21/19 COMPLETED 3/21/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek ∇ AT TIME OF DRILLING 2.0 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

TEST NUTTING BOREHOLE 1-18617.2 2209 N 7TH AVENUE LLC - PROPOSED PROCESSING FACILITY 2209 N 7TH AVENUE LAKE WORTH, GPJ GINT US.GDT 3/28/19

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL MC LL 20 40 60 80			
						□ FINES CONTENT (%) □			
						20 40 60 80			
0		Gray to brown fine SAND and DEBRIS (fill)	SS 1	3-4-3-3	7	▲			
			SS 2	2-4-3-5	7	▲			
6		Brown fibrous PEAT	SS 3	3-3-2-2	5	▲			
			SS 4	3-3-3-3	6	▲			
		Brown fine SAND, some organics	SS 5	2-2-6-8	8	▲			
10		Gray fine SAND	SS 6	8-7-8-9	15	▲			
			SS 7	3-6-6	12	▲			
16									
		Brown fine SAND	SS 8	5-7-10	17	▲			
20									
			SS 9	4-3-6	9	▲			
25		Bottom of hole at 25.0 feet.							

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, Fl., 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-20
 PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT NAME Proposed Processing Facility
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida

DATE STARTED 3/21/19 COMPLETED 3/21/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek AT TIME OF DRILLING 2.5 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL — MC — LL 20 — 40 — 60 — 80			
						<input type="checkbox"/> FINES CONTENT (%) <input type="checkbox"/> 20 40 60 80			
0		Gray to brown fine SAND, some dabris (fill)	SS 1	2-2-2-3	4	▲			
			SS 2	5-7-8-7	15		▲		
5			SS 3	5-6-6-8	12		▲		
			SS 4	6-7-3-4	10		▲		
10		Brown fibrous PEAT and black SILT	SS 5	6-2-1-1	3	▲			
			SS 6	2-2-2-2	4	▲			
		Brown fine SAND	SS 7	2-3-5	8	▲			
15		Bottom of hole at 15.0 feet.							

TEST NUTTING BOREHOLE 1-18617.2 2209 N 7TH AVENUE LLC - PROPOSED PROCESSING FACILITY 2209 N 7TH AVENUE LAKE WORTH, GPJ GINT US.GDT 3/28/19

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, FL, 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-21

PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida PROJECT NAME Proposed Processing Facility

DATE STARTED 3/21/19 COMPLETED 3/21/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek ∇ AT TIME OF DRILLING 3.0 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲				
						10	20	30	40	
						PL MC LL 20 40 60 80				
						<input type="checkbox"/> FINES CONTENT (%) <input type="checkbox"/> 20 40 60 80				
0										
5		Gray to brown fine SAND, trace limestone fragments and debris (fill)	SS 1	2-5-7-8	12	▲				
			SS 2	5-8-7-6	15		▲			
			SS 3	4-6-5-5	11		▲			
			SS 4	4-5-2-2	7		▲			
			SS 5	2-2-3-3	5		▲			
10		Bottom of hole at 10.0 feet.								

TEST NUTTING BOREHOLE 1-18617.2 2209 N 7TH AVENUE LLC - PROPOSED PROCESSING FACILITY 2209 N 7TH AVENUE LAKE WORTH, FL GINT US, GDT 3/28/19

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.



1310 Neptune Drive
 Boynton Beach, FL, 33426
 Telephone: 561-736-4900
 Fax: 561-737-9975

BORING NUMBER B-22

PAGE 1 OF 1

CLIENT 2209 N. 7th Avenue, LLC PROJECT NUMBER 18648.1
 PROJECT LOCATION 2209 North 7th Avenue, Lake Worth, Florida PROJECT NAME Proposed Processing Facility

DATE STARTED 3/21/19 COMPLETED 3/21/19 SURFACE ELEVATION REFERENCE Approx. @ Road Crown
 DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:
 LOGGED BY T. Donovan CHECKED BY C. Gworek ∇ AT TIME OF DRILLING 1.0 ft
 APPROXIMATE LOCATION OF BORING As located on site plan

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL MC LL 20 40 60 80 □ FINES CONTENT (%) □ 20 40 60 80			
0									
0	[Cross-hatched pattern]	Dk. gray fine SAND, some limestone fragments, trace organics (fill like material)	SS 1	2-2-2-4	4	▲			
5			SS 2	8-10-17-7	27			▲	
			SS 3	5-4-4-10	8	▲			
			SS 4	12-8-10-11	18		▲		
10			SS 5	11-12-9-8	21			▲	
		Bottom of hole at 10.0 feet.							

TEST NUTTING BOREHOLE 1-18617.2 2209 N 7TH AVENUE LLC - PROPOSED PROCESSING FACILITY 2209 N 7TH AVENUE LAKE WORTH, GPJ GINT US, GDT 3/28/19

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.

Report of Exfiltration Test

Client:	<u>2209 N. 7th Avenue, LLC</u>	Order No	<u>18648.1</u>
Project:	<u>Proposed Processing Facility</u>	Report No	<u>1</u>
Location:	<u>2209 7th Avenue North</u>	Date:	<u>3/22/19</u>
	<u>Lake Worth, Florida</u>		
Test:	<u>Usual Open Hole Exfiltration Test</u>		
Surface		Water table from ground	
Elevation:	<u>Approx. @ Road Crown</u>	surface:	<u>2'</u>
Casing			
Diameter:	<u>6"</u>		
Tube Depth:	<u>6'</u>		

EXFIL NO. 1	One Minute Increme	Pump Rate in Gal/Min
	1	5.0
	2	5.0
	3	5.0
	4	5.0
	5	5.1
	6	5.1
	7	5.1
	8	5.2
	9	5.2
	10	5.2

Sample Location: Approx. as located on site plan.

Material: 0-6' Gray to brown fine SAND, some debris (fill)

$K = 7.04 \times 10^{-4} \text{ cfs/ft}^2\text{ft.head}$

Report of Exfiltration Test

Client:	<u>2209 N. 7th Avenue, LLC</u>	Order No	<u>18648.1</u>
Project:	<u>Proposed Processing Facility</u>	Report No	<u>2</u>
Location:	<u>2209 7th Avenue North</u>	Date:	<u>3/26/19</u>
	<u>Lake Worth, Florida</u>		
Test:	<u>Usual Open Hole Exfiltration Test</u>		
Surface		Water table from ground	
Elevation:	<u>Approx. @ Road Crown</u>	surface:	<u>2'</u>
Casing			
Diameter:	<u>6"</u>		
Tube Depth:	<u>6'</u>		

EXFIL NO. 2	One Minute Increme	Pump Rate in Gal/Min
	1	5.0
	2	5.0
	3	5.0
	4	5.0
	5	5.1
	6	5.1
	7	5.1
	8	5.2
	9	5.2
	10	5.2

Sample Location: Approx. as located on site plan.

Material: 0-6' Gray to brown fine SAND and DEBRIS (fill)

$K = 7.04 \times 10^{-4} \text{ cfs/ft}^2\text{ft.head}$

Moisture & Organics Worksheet

Date of Test: 4/1/2019

Tested By: Marc G.

Client Name _____
 Project Name PCC-151 study
 Site Address 1509 N. Ave. LW
 Sample Location _____
 Material Description #1 peat
 Material Description #2 peat
 Material Description #3 black organic silt
 Material Description #4 peat
 Material Description #5 black peat + silt

Date of Test _____
 Tested By: MG
 Sampled By: CG

Moisture Content

		1	2	3	4	5
	Boring #	B0	B3	B16	B17	B20
	Depth	0-3	4-6	4-6	6-8	10-12
	Can #	1	2	3	4	5
A	Wet Weight + Can	274.50	271.49	265.07	272.95	252.19
B	Dry Weight + Can	177.29	156.30	197.59	162.02	153.27
C	Tare Can	137.06	135.57	108.42	128.06	130.22
	Wet Weight Soil = (A-C)	136.94	135.92	156.65	144.89	121.97
D	Dry Weight Soil = (B-C)	40.23	20.73	89.17	33.96	23.05
E	Weight of Moisture = (A-B)	96.71	115.19	67.48	110.93	98.92
	% Water Content = (E/D)x100	240.39%	555.67%	75.68%	326.65%	429.15%

Organic Content

		1	2	3	4	5
	Can #					
A	Dry Weight + Container	177.29	156.30	197.59	162.02	153.27
B	Burn Weight + Container	163.48	140.59	180.47	150.65	141.13
C	Tare Can	137.06	135.57	108.42	128.06	130.22
D	Dry Weight = (A-C)	40.23	20.73	89.17	33.96	23.05
	Burn Weight = (B-C)	26.42	5.42	72.05	22.59	10.91
E	Organic Weight = (A-B)	13.81	15.31	17.12	11.37	12.14
	% Organic Matter = (E/D)x100	34.33%	73.85%	19.20%	33.48%	52.67%

DOUBLE RING INFILTROMETER TEST - ASTM D3385

CLIENT: 2209 N 7th Ave N, LLC
 TEST : 1 TEST DATE: 3/26/2019 WEATHER: Sunny 80 Deg F
 PROJECT: Proposed Processing Facility DRILLER: Travis
 2209 7th Ave N Lake Worth, FL

SOIL DESCRIPTION: 0-1' Brown Fine Sand

NOTE: TEST PERFORMED AT EXISTING GRADE.

GROUNDWATER DEPTH: Not Measured USING 12" & 24" DIAMETER RINGS

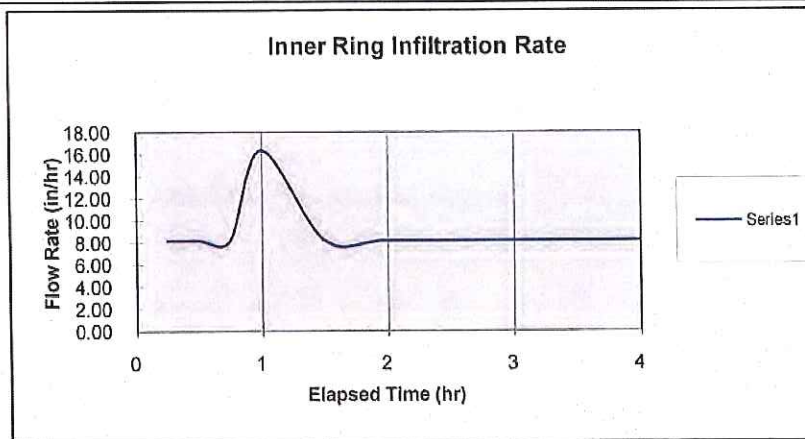
AREA: INNER RING: 113.1 IN² (729.7 CM²)
 ANNULAR RING: 339.3 IN² (2189.2 CM²)

Testing was performed according to procedures specified in ASTM D3385-09. Liquid used consisted of water with an approximate pH of 7.0.

As ASTM procedure recommends, data from inner ring was used to determine infiltration rate.

ELAPSED TIME (HR)	QUANTITY OF WATER INNER(in ³)	RATE INNER (IN/HR)	QUANTITY OF WATER ANNULAR(in ³)	RATE ANNULAR (IN/HR)
0.25	231	8.17	693	8.17
0.5	231	8.17	693	8.17
0.75	231	8.17	693	8.17
1	462	16.34	1386	16.34
1.5	462	8.17	1386	8.17
2	462	8.17	1386	8.17
3	924	8.17	2772	8.17
4	924	8.17	2772	8.17

STEADY STATE INFILTRATION RATE = 8.17 INCH/HOUR*



* As noted in Sec. 11.1 Precision and Bias of ASTM D3385-09 the recorded infiltration rate should be considered only as an index value

DOUBLE RING INFILTROMETER TEST - ASTM D3385

CLIENT: 2209 N 7th Ave N, LLC
 TEST : 2 TEST DATE: 3/26/2019 WEATHER: Sunny 80 Deg F
 PROJECT: Proposed Processing Facility DRILLER: Travis
 2209 7th Ave N Lake Worth, FL

SOIL DESCRIPTION: 0-1' Brown Fine Sand

NOTE: TEST PERFORMED AT EXISTING GRADE.

GROUNDWATER DEPTH: Not Measured USING 12" & 24" DIAMETER RINGS

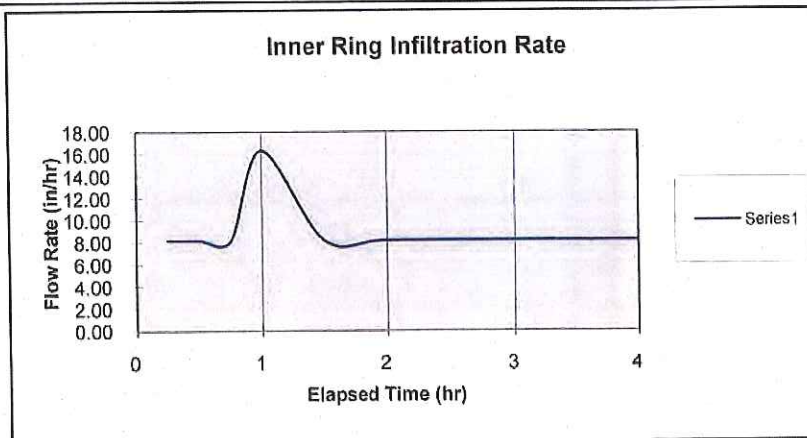
AREA: INNER RING: 113.1 IN² (729.7 CM²)
 ANNULAR RING: 339.3 IN² (2189.2 CM²)

Testing was performed according to procedures specified in ASTM D3385-09. Liquid used consisted of water with an approximate pH of 7.0.

As ASTM procedure recommends, data from inner ring was used to determine infiltration rate.

ELAPSED TIME (HR)	QUANTITY OF WATER INNER(in ³)	RATE INNER (IN/HR)	QUANTITY OF WATER ANNULAR(in ³)	RATE ANNULAR (IN/HR)
0.25	231	8.17	693	8.17
0.5	231	8.17	693	8.17
0.75	231	8.17	693	8.17
1	462	16.34	1386	16.34
1.5	462	8.17	1386	8.17
2	462	8.17	1386	8.17
3	924	8.17	2772	8.17
4	924	8.17	2772	8.17

STEADY STATE INFILTRATION RATE = 8.17 INCH/HOUR*



* As noted in Sec. 11.1 Precision and Bias of ASTM D3385-09 the recorded infiltration rate should be considered only as an index value

DOUBLE RING INFILTROMETER TEST - ASTM D3385

CLIENT: 2209 N 7th Ave N, LLC
 TEST : 3 TEST DATE: 3/26/2019 WEATHER: Sunny 80 Deg F
 PROJECT: Proposed Processing Facility DRILLER: Travis
 2209 7th Ave N Lake Worth, FL

SOIL DESCRIPTION: 0-1' Brown Fine Sand

NOTE: TEST PERFORMED AT EXISTING GRADE.

GROUNDWATER DEPTH: Not Measured USING 12" & 24" DIAMETER RINGS

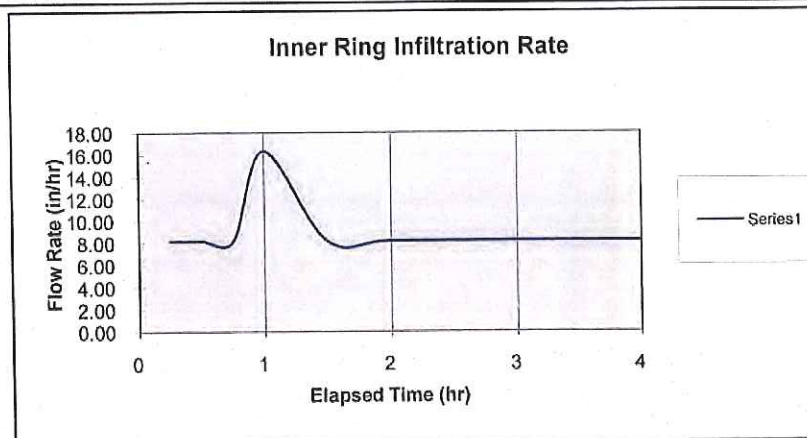
AREA: INNER RING: 113.1 IN² (729.7 CM²)
 ANNULAR RING: 339.3 IN² (2189.2 CM²)

Testing was performed according to procedures specified in ASTM D3385-09. Liquid used consisted of water with an approximate pH of 7.0.

As ASTM procedure recommends, data from inner ring was used to determine infiltration rate.

ELAPSED TIME (HR)	QUANTITY OF WATER INNER(in ³)	RATE INNER (IN/HR)	QUANTITY OF WATER ANNULAR(in ³)	RATE ANNULAR (IN/HR)
0.25	231	8.17	693	8.17
0.5	231	8.17	693	8.17
0.75	231	8.17	693	8.17
1	462	16.34	1386	16.34
1.5	462	8.17	1386	8.17
2	462	8.17	1386	8.17
3	924	8.17	2772	8.17
4	924	8.17	2772	8.17

STEADY STATE INFILTRATION RATE = 8.17 INCH/HOUR*



* As noted in Sec. 11.1 Precision and Bias of ASTM D3385-09 the recorded infiltration rate should be considered only as an index value

LIMITATIONS OF LIABILITY

WARRANTY

We warrant that the services performed by Nutting Engineers of Florida, Inc. are conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession in our area currently practicing under similar conditions at the time our services were performed. **No other warranties, expressed or implied, are made.** While the services of Nutting Engineers of Florida, Inc. are a valuable and integral part of the design and construction teams, we do not warrant, guarantee or insure the quality, completeness, or satisfactory performance of designs, construction plans, specifications we have not prepared, nor the ultimate performance of building site materials or assembly/construction.

SUBSURFACE EXPLORATION

Subsurface exploration is normally accomplished by test borings; test pits are sometimes employed. The method of determining the boring location and the surface elevation at the boring is noted in the report. This information is represented in the soil boring logs and/or a drawing. The location and elevation of the borings should be considered accurate only to the degree inherent with the method used and may be approximate.

The soil boring log includes sampling information, description of the materials recovered, approximate depths of boundaries between soil and rock strata as encountered and immediate depth to water data. The log represents conditions recorded specifically at the location where and when the boring was made. Site conditions may vary through time as will subsurface conditions. The boundaries between different soil strata as encountered are indicated at specific depths; however, these depths are in fact approximate and dependent upon the frequency of sampling, nature and consistency of the respective strata. Substantial variation between soil borings may commonly exist in subsurface conditions. Water level readings are made at the time and under conditions stated on the boring logs. Water levels change with time, precipitation, canal level, local well drawdown and other factors. Water level data provided on soil boring logs shall not be relied upon for groundwater based design or construction considerations.

LABORATORY AND FIELD TESTS

Tests are performed in *general* accordance with specific ASTM Standards unless otherwise indicated. All criteria included in a given ASTM Standard are not always required and performed. Each test boring report indicates the measurements and data developed at each specific test location.

ANALYSIS AND RECOMMENDATIONS

The geotechnical report is prepared primarily to aid in the design of site work and structural foundations. Although the information in the report is expected to be sufficient for these purposes, it shall not be utilized to determine the cost of construction nor to stand alone as a construction specification. Contractors shall verify subsurface conditions as may be appropriate prior to undertaking subsurface work.

Report recommendations are based primarily on data from test borings made at the locations shown on the test boring reports. Soil variations commonly exist between boring locations. Such variations may not become evident until construction. Test pits sometimes provide valuable supplemental information that derived from soil borings. If variations are then noted, the geotechnical engineer shall be contacted in writing immediately so that field conditions can be examined and recommendations revised if necessary.

The geotechnical report states our understanding as to the location, dimensions and structural features proposed for the site. **Any significant changes of the site improvements or site conditions must be communicated in writing to the geotechnical engineer immediately** so that the geotechnical analysis, conclusions, and recommendations can be reviewed and appropriately adjusted as necessary.

CONSTRUCTION OBSERVATION

Construction observation and testing is an important element of geotechnical services. The geotechnical engineer's field representative (G.E.F.R.) is the "owner's representative" observing the work of the contractor, performing tests and reporting data from such tests and observations. **The geotechnical engineer's field representative does not direct the contractor's construction means, methods, operations or personnel.** The G.E.F.R. does not interfere with the relationship between the owner and the contractor and, except as an observer, does not become a substitute owner on site. The G.E.F.R. is responsible for his/her safety, but has no responsibility for the safety of other personnel at the site. The G.E.F.R. is an important member of a team whose responsibility is to observe and test the work being done and report to the owner whether that work is being carried out in general conformance with the plans and specifications. The enclosed report may be relied upon solely by the named client.

SOIL AND ROCK CLASSIFICATION CRITERIA

SAND/SILT

N-VALUE (bpf)	RELATIVE DENSITY
0 - 4	Very Loose
5 - 10	Loose
11 - 29	Medium
30 - 49	Dense
>50	Very dense
100	Refusal

CLAY/SILTY CLAY

N-VALUE (bpf)	UNCONFINED COMP. STRENGTH (tsf)	CONSISTENCY
<2	<0.25	v. Soft
2 - 4	0.25 - 0.50	Soft
5 - 8	0.50 - 1.00	Medium
9 - 15	1.00 - 2.00	Soft
16 - 30	2.00 - 4.00	v. Stiff
>30	>4.00	Hard

ROCK

N-VALUE (bpf)	RELATIVE HARDNESS	ROCK CHARACTERISTICS
$N \geq 100$	Hard to v. hard	Local rock formations vary in hardness from soft to very hard within short vertical and horizontal distances and often contain vertical solution holes of 3 to 36 inch diameter to varying depths and horizontal solution features. Rock may be brittle to split spoon impact, but more resistant to excavation.
$25 \leq N \leq 100$	Medium hard to hard	
$5 \leq N \leq 25$	Soft to medium hard	

PARTICLE SIZE

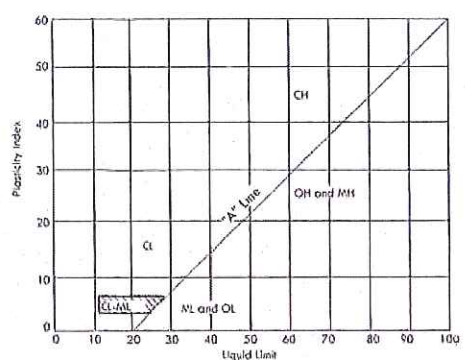
Boulder	>12 in.
Cobble	3 to 12 in.
Gravel	4.76 mm to 3 in.
Sand	0.074 mm to 4.76 mm
Silt	0.005 mm to 0.074 mm
Clay	<0.005 mm

DESCRIPTION MODIFIERS

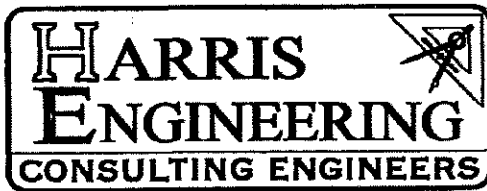
0 - 5%	Slight trace
6 - 10%	Trace
11 - 20%	Little
21 - 35%	Some
>35%	And

Major Divisions		Group Symbols	Typical names	Laboratory classification criteria		
Coarse-grained soils (More than half of material is larger than No. 200 sieve size)	Gravels (More than half of coarse fraction is larger than No. 4 sieve size)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3 Not meeting all gradation requirements for GW Afterberg limits below "A" line or P.I. less than 4 Afterberg limits above "A" line with P.I. greater than 7 $C_u = \frac{D_{60}}{D_{10}}$ greater than 6; $C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$ between 1 and 3 Not meeting all gradation requirements for SW Afterberg limits below "A" line or P.I. less than 4 Afterberg limits above "A" line with P.I. more than 7 Limits plotting in hatched zone with P.I. between 4 and 7 are borderline cases requiring use of dual symbols.		
		GP	Poorly graded gravels, gravel-sand mixtures, little or no fines			
		GW* <table border="1" style="font-size: small; margin: 0 auto;"><tr><td>d</td></tr><tr><td>u</td></tr></table>	d		u	Silty gravels, gravel-sand-silt mixtures
		d				
	u					
	GC	Clayey gravels, gravel-sand-clay mixtures				
	Sands (More than half of coarse fraction is smaller than No. 4 sieve size)	SW	Well-graded sands, gravelly sands, little or no fines			
		SP	Poorly graded sands, gravelly sands, little or no fines			
		SM* <table border="1" style="font-size: small; margin: 0 auto;"><tr><td>d</td></tr><tr><td>u</td></tr></table>	d		u	Silty sands, sand-silt mixtures
		d				
u						
SC		Clayey sands, sand-clay mixtures				
Fine-grained soils (More than half of material is smaller than No. 200 sieve size)	Silt and clays (Liquid limit less than 50)	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity			
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays			
		OL	Organic silts and organic silty clays of low plasticity			
	Silt and clays (Liquid limit greater than 50)	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts			
		CH	Inorganic clays of high plasticity, fat clays			
		OH	Organic clays of medium to high plasticity, organic silts			
Highly organic soils	PT	Peat and other highly organic soils				

Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:
 Less than five percent.....GW, GP, SW, SP
 More than five percent.....GM, GC, SM, SC
 5 to 12 percent.....borderline cases requiring dual systems**



APPENDIX D: PREVIOUSLY APPROVED SFWMD PERMIT FOR SITE



HARRIS ENGINEERING, INC.
CONSULTING ENGINEER
2743 NW 19TH STREET
POMPANO BEACH, FL 33069
PHONE: 954-971-7200 FAX: 954-971-8200

080311-7 N2

**DISCHARGE, FLOOD PLAIN ENCROACHMENT,
AND WATER QUALITY CALCULATIONS FOR**

LAKE WORTH 10 ACRES, LLC

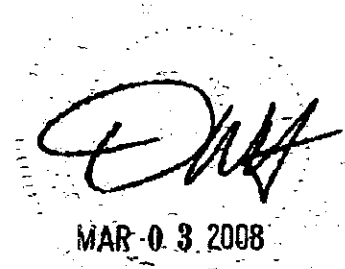
Package Includes:

1. Pre-development storage calculations based on C-51 Basin Criteria (Sub-basin 33)
2. Post development land use and grading
3. Post development stage storage curve
100 year – Zero Discharge stage
4. Cascade routing of 10year-3 day storm

RECEIVED

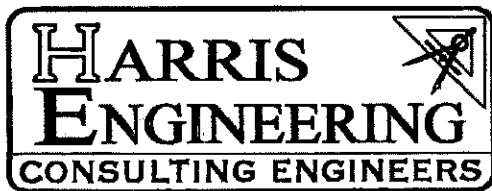
MAR 11 2008

ENV RES REGULATION



Prepared By:

David W. Harris, P.E. at
HARRIS ENGINEERING, INC.
2743 NW 19th Street
Pompano Beach, Florida 33069
954-971-7200 Phone
954-971-8200 Fax



HARRIS ENGINEERING, INC.
CONSULTING ENGINEER
 2743 NW 19TH STREET
 POMPANO BEACH, FL 33069
 PHONE: 954-971-7200 FAX: 954-971-8200

FLOOD ENCROACHMENT CALCULATIONS
TRACK 66 AND PORTION OF TRACT 81
 AKA
LAKE WORTH 10 ACRES
 February 2008

Project Size	9.81 Acres
Average existing grade (including existing wetland)	12.0 Ft. NGVD
100-year Flood Stage per SFWMD C-51 Basin Study (sub-basin 33)	13.6 Ft. NGVD

EXISTING CONDITIONS

A. On site runoff

Existing Impervious Coverage (<i>wetland</i>)	2.69 Acres
Average existing grade	12.0 Ft NGVD
Water Table Elevation	9.5 Ft NGVD
<i>(Reference: Marlin Industrial Park Permit)</i>	
Depth to Water Table	2.5 Ft
Soil Storage	Site has been previously cleared, therefore use compacted soil storage numbers for coastal soils

Un-compacted Soil Storage	4.55 Inches
Compacted Soil Storage	3.41 Inches
Equivalent Site Soil Storage	2.48 Inches

100-Year, 72-Hour Design Rainfall Depth 16.31 Inches

Runoff (SCS Equation) 13.67 Inches
 Volume 11.17 Ac-Ft

Volume Stored on site at 100-year flood stage of 13.6' NGVD

$(13.6 - 12.0) \times 9.81 \text{ Ac} =$ 15.7 Ac-Ft

Volume Imported: 4.53 Ac-Ft

Project is an importer. Therefore, project design must accommodate runoff generated as a result of paving, plus 4.53 ac-ft of water from offsite in order to meet C-51 Flood Plain Encroachment criteria.

PROPOSED CONDITIONS AND PROJECT SUMMARY

Building Footprints	2.04 Acres
Parking Areas	3.25 Acres
Walks & Curbs	0.20 Acres
Landscaping/Buffers	1.16 Acres

Total Developable Area 6.66 Acres
(not including lake or slopes)

% Impervious 75%
(See attached water quality and stage storage calculations)

Note:

This project will require dry pre-treatment. It is intended to provide this pre-treatment within exfiltration trenches.

Water quality provided in exfiltration trenches = 0.31 Acre-Ft

100 year – Zero discharge storm event based on this proposed development requires 12.08 Acre-Ft of storage. Please note from the stage storage curve attached that this site also provides 17.38 Acre-Ft of storage at elevation 13.6. The stage storage table does not include storage in the proposed exfiltration trench.

This site therefore provides:

$17.38 + 0.31 = 17.69$ Acre-Ft of storage at elevation 13.6

$17.69 - 12.08 = 5.61$ Acre-Ft of imported storage available at elevation storage 13.6

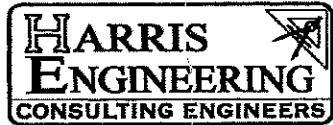
Project meets all flood plain encroachment criteria

Allowable discharge based on C-51 Criteria sub-basin 33:

Allowable discharge is based on 10 year-3 day storm of 35 CSM

This 9.81 Acre site has an allowable discharge of 0.54 CFS

Proposed control structure shall consist of a 3' sharp crested weir at elevation 10.8 and a minimum bleeder based on LWDD criteria (6" inverted triangle) see attached cascade routing program which provides a peak 10-yr, 3-day elevation of 10.78, with a peak discharge of 0.54 (Note: *Cascade program was run utilizing bleeder criteria based on SFWMD. Actual discharge will be slightly higher.*)



HARRIS ENGINEERING, INC.
 CONSULTING ENGINEERS
 2743 NW 19TH STREET
 POMPANO BEACH, FL 33069-5232
 PHONE (954) 971-7200 FAX (954) 971-8200

WATER QUALITY AND STAGE /STORAGE CALCULATIONS

PROJECT: LAKE WORTH 10 ACRES
 ENG. PROJECT #: 6156
 ENG: DWH
 DATE: Feb 26,2008 REVISED: 29-Feb-08

LAND USE AND SITE GRADING

DESCRIPTION	AREA (ACRE)	GRADING		REMARKS
		FROM	TO	
BUILDING	2.04	-	-	NO STORAGE
ROADS	0.00	13	14	LINEAR
WALKS & DRIVES	0.20	13	14	LINEAR
parking	3.25	12	14	LINEAR
OTHER PERV	0.00	12	13	LINEAR
GREEN	1.16	12.5	14	LINEAR
SLOPES	0.66	8.5	12.5	LINEAR
LAKE	2.50	8.5	UP	VERTICAL
DRY RETENTION	0.00	9.5	UP	VERTICAL
TOTAL	9.81			

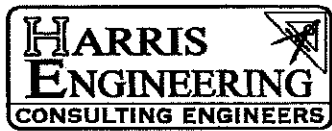
SEE PAGE THREE FOR STAGE-STORAGE TABLE

SOIL STORAGE

A. AVERAGE PERVIOUS ELEVATION= 12.25 ' NGVD
 B. WATER TABLE ELEVATION= 8.50 ' NGVD
 C. DEPTH TO WATER TABLE= 3.75 ' NGVD
 D. PERVIOUS AREA SOIL STORAGE FOR
 FOR COMPACTED SOIL, PER SFWMD VOL IV 7.38 INCHES
 E. SITE-WIDE SOIL STORAGE= S = 1.37 INCHES
 F. TOTAL PERVIOUS AREA = 1.82 ACRES
 G. TOTAL IMPVIOUS AREA (INCLUDING LAKES) = 7.99 ACRES
 H. % IMPERV. (EXCLUDING ROOFS AND LAKES) = 65.46 %

WATER QUALITY

VOLUME FROM 1 INCH OF RUNOFF FROM THE SITE = 0.82 AC-FT
 VOLUME FROM 2.5 INCHES OF RAINFALL
 TIMES THE % IMPVIOUS SHOWN IN (H) = 1.34 AC-FT
 WATER QUALITY VOLUME USED 1.34 AC-FT
 WATER QUALITY STAGE (IF REQUIRED) 9.03 NGVD
 Does not include exfiltration trench
 VOLUME NEEDED FOR 1/2" OF PRE-TREATMENT = 0.41 AC-FT
 IF PRE-TREATMENT IS REQUIRED THEN STAGE IN DRY
 RETENTION AREA TO MEET PRE-TREATMENT : 8.66 NGVD
 does not include exfiltration trench
 WATER QUALITY VOLUME STORED IN EXFILTRATION 0.41 AC-FT



HARRIS ENGINEERING, INC.
 CONSULTING ENGINEERS
 2743 NW 19TH STREET
 POMPANO BEACH, FL 33069-5232
 PHONE (954) 971-7200 FAX (954) 971-8200

RAINFALL

	1-DAY	3-DAY
10-YEAR STORM	7.50	—
25-YEAR STORM	9.00	12.23
100-YEAR STORM	12.00	16.31

RUN-OFF

$Q = (P - 0.2S)^2 / (P + 0.8S)$
 WHERE P = RAINFALL (INCHES),
 S = SITE WIDE SOIL STORAGE (INCHES), AND
 Q = RUN-OFF (INCHES)

FOR 10-YEAR, 1-DAY STORM

Q= 6.08 "
 V= 4.97 AF

FOR 25-YEAR, 3-DAY STORM

Q= 10.73 "
 V= 8.77 AF

FOR 100-YEAR, 3-DAY STORM

Q= 14.77 "
 V= 12.08 AF

STORM STAGE

FROM THE STAGE-STORAGE TABLE ON THE NEXT PAGE, THE STORMWATER STAGES ARE AS FOLLOWS:

EVENT	DAYS	STAGE	REMARK
10-YR	1-DAY	10.22	
25-YR	3-DAY	11.54	<i>BASED ON ZERO DISCHARGE</i>
100-YR	3-DAY	12.54	<i>BASED ON ZERO DISCHARGE</i>

STAGE-STORAGE TABLE

STAGE (FT)	STORAGE (AF)								TOTAL
	OTHER PERV	GREEN	WALKS & DRIVES	parking	ROADS	DRY RET	LAKE	SLOPE SIDES	
8.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.6	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.25
8.7	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50
8.8	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.01	0.76
8.9	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.01	1.01
9.0	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.02	1.27
9.1	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.03	1.53
9.2	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.04	1.79
9.3	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.05	2.05
9.4	0.00	0.00	0.00	0.00	0.00	0.00	2.25	0.07	2.32
9.5	0.00	0.00	0.00	0.00	0.00	0.00	2.50	0.08	2.58
9.6	0.00	0.00	0.00	0.00	0.00	0.00	2.75	0.10	2.85
9.7	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.12	3.12
9.8	0.00	0.00	0.00	0.00	0.00	0.00	3.25	0.14	3.39
9.9	0.00	0.00	0.00	0.00	0.00	0.00	3.50	0.16	3.66
10.0	0.00	0.00	0.00	0.00	0.00	0.00	3.75	0.19	3.94
10.1	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.21	4.21
10.2	0.00	0.00	0.00	0.00	0.00	0.00	4.25	0.24	4.49
10.3	0.00	0.00	0.00	0.00	0.00	0.00	4.50	0.27	4.77
10.4	0.00	0.00	0.00	0.00	0.00	0.00	4.75	0.30	5.05
10.5	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.33	5.33
10.6	0.00	0.00	0.00	0.00	0.00	0.00	5.25	0.36	5.61
10.7	0.00	0.00	0.00	0.00	0.00	0.00	5.50	0.40	5.90
10.8	0.00	0.00	0.00	0.00	0.00	0.00	5.75	0.44	6.19
10.9	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.48	6.48
11.0	0.00	0.00	0.00	0.00	0.00	0.00	6.25	0.52	6.77
11.1	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.56	7.06
11.2	0.00	0.00	0.00	0.00	0.00	0.00	6.75	0.60	7.35
11.3	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.65	7.65
11.4	0.00	0.00	0.00	0.00	0.00	0.00	7.25	0.69	7.94
11.5	0.00	0.00	0.00	0.00	0.00	0.00	7.50	0.74	8.24
11.6	0.00	0.00	0.00	0.00	0.00	0.00	7.75	0.79	8.54
11.7	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.84	8.84
11.8	0.00	0.00	0.00	0.00	0.00	0.00	8.25	0.90	9.15
11.9	0.00	0.00	0.00	0.00	0.00	0.00	8.50	0.95	9.45
12.0	0.00	0.00	0.00	0.00	0.00	0.00	8.75	1.01	9.76
12.1	0.00	0.00	0.00	0.01	0.00	0.00	9.00	1.07	10.08
12.2	0.00	0.00	0.00	0.03	0.00	0.00	9.25	1.13	10.41
12.3	0.00	0.00	0.00	0.07	0.00	0.00	9.50	1.19	10.76
12.4	0.00	0.00	0.00	0.13	0.00	0.00	9.75	1.25	11.13
12.5	0.00	0.00	0.00	0.20	0.00	0.00	10.00	1.32	11.52
12.6	0.00	0.00	0.00	0.29	0.00	0.00	10.25	1.39	11.93
12.7	0.00	0.02	0.00	0.40	0.00	0.00	10.50	1.45	12.37
12.8	0.00	0.03	0.00	0.52	0.00	0.00	10.75	1.52	12.82
12.9	0.00	0.06	0.00	0.66	0.00	0.00	11.00	1.58	13.30
13.0	0.00	0.10	0.00	0.81	0.00	0.00	11.25	1.65	13.81
13.1	0.00	0.14	0.00	0.98	0.00	0.00	11.50	1.72	14.34
13.2	0.00	0.19	0.00	1.17	0.00	0.00	11.75	1.78	14.90
13.3	0.00	0.25	0.01	1.37	0.00	0.00	12.00	1.85	15.48
13.4	0.00	0.31	0.02	1.59	0.00	0.00	12.25	1.91	16.09
13.5	0.00	0.39	0.02	1.83	0.00	0.00	12.50	1.98	16.72
13.6	0.00	0.47	0.04	2.08	0.00	0.00	12.75	2.05	17.38
13.7	0.00	0.56	0.05	2.35	0.00	0.00	13.00	2.11	18.07
13.8	0.00	0.65	0.06	2.63	0.00	0.00	13.25	2.18	18.78
13.9	0.00	0.76	0.08	2.93	0.00	0.00	13.50	2.24	19.52
14.0	0.00	0.87	0.10	3.25	0.00	0.00	13.75	2.31	20.28
14.1	0.00	0.99	0.12	3.57	0.00	0.00	14.00	2.38	21.06
14.2	0.00	1.10	0.14	3.90	0.00	0.00	14.25	2.44	21.83
14.3	0.00	1.22	0.16	4.22	0.00	0.00	14.50	2.51	22.61
14.4	0.00	1.33	0.18	4.55	0.00	0.00	14.75	2.57	23.39
14.5	0.00	1.45	0.20	4.87	0.00	0.00	15.00	2.64	24.16
14.6	0.00	1.57	0.22	5.20	0.00	0.00	15.25	2.71	24.94
14.7	0.00	1.68	0.24	5.52	0.00	0.00	15.50	2.77	25.72
14.8	0.00	1.80	0.26	5.85	0.00	0.00	15.75	2.84	26.50
14.9	0.00	1.91	0.28	6.17	0.00	0.00	16.00	2.90	27.27
15.0	0.00	2.03	0.30	6.50	0.00	0.00	16.25	2.97	28.05
15.1	0.00	2.15	0.32	6.82	0.00	0.00	16.50	3.04	28.83
15.2	0.00	2.26	0.34	7.15	0.00	0.00	16.75	3.10	29.60
15.3	0.00	2.38	0.36	7.47	0.00	0.00	17.00	3.17	30.38
15.4	0.00	2.49	0.38	7.80	0.00	0.00	17.25	3.23	31.16
15.5	0.00	2.61	0.40	8.12	0.00	0.00	17.50	3.30	31.93

© 1999 David W. Harris, P.E.

Project Name: Lake Worth 10 Acres

Reviewer: DWH

Project Number: 6156

Period Begin: Jan 01, 2000;0000 hr End: Jan 05, 2000;0000 hr Duration: 96 hr

Time Step: 0.2 hr, Iterations: 10

Basin 1: main

Method: Santa Barbara Unit Hydrograph

Rainfall Distribution: SFWMD - 3day

Design Frequency: 10 year

3 Day Rainfall: 10.2 inches

Area: 9.80999 acres

Ground Storage: 1.37 inches

Time of Concentration: 1 hours

Initial Stage: 8.5 ft NGVD

Stage (ft NGVD)	Storage (acre-ft)
8.50	0.00
10.00	3.94
11.00	6.77
12.00	9.76
13.00	13.81

Offsite Receiving Body: Offsitel

Time (hr)	Stage (ft NGVD)
0.00	8.50
120.00	8.50

Structure: 1

From Basin: main

To Basin: Offsitel

Structure Type: Gravity

Weir: Sharp Crested, Crest Elev = 10.8 ft NGVD, Length = 3 ft

Bleeder: Circular, Invert Elev = 8.5 ft NGVD, Diameter = 0.31 ft

Default Coefs: Weir Coef = 0.6, Orifice Coef = 0.6

Pipe: Diameter = 1.25 ft, Manning's n = 0.024, Length = 90 ft

US Invert Elev = 6 ft NGVD, DS Invert Elev = 6 ft NGVD, flap gate

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
0.00	0.00	0.00	0.00	0.00	8.50	8.50
2.00	0.09	0.00	0.00	0.00	8.50	8.50
4.00	0.18	0.00	0.00	0.00	8.50	8.50
6.00	0.27	0.00	0.00	0.00	8.50	8.50
8.00	0.37	0.03	0.00	0.00	8.50	8.50
10.00	0.46	0.08	0.00	0.00	8.50	8.50
12.00	0.55	0.12	0.00	0.00	8.51	8.50
14.00	0.64	0.15	0.00	0.00	8.52	8.50
16.00	0.73	0.18	0.00	0.00	8.53	8.50
18.00	0.82	0.21	0.00	0.00	8.54	8.50
20.00	0.91	0.23	0.01	0.00	8.56	8.50
22.00	1.00	0.25	0.01	0.00	8.57	8.50
24.00	1.10	0.27	0.01	0.00	8.59	8.50
26.00	1.23	0.40	0.02	0.01	8.61	8.50
28.00	1.36	0.44	0.03	0.01	8.63	8.50
30.00	1.50	0.46	0.04	0.02	8.66	8.50
32.00	1.63	0.48	0.06	0.03	8.68	8.50
34.00	1.76	0.50	0.08	0.04	8.71	8.50
36.00	1.90	0.51	0.09	0.05	8.74	8.50

Time (hr)	Cumulative Rainfall (in)	Instant Runoff (cfs)	Current Discharge (cfs)	Cumulative Discharge (acre-ft)	Head Water Stage (ft NGVD)	Tail Water Stage (ft NGVD)
38.00	2.03	0.53	0.11	0.07	8.76	8.50
40.00	2.16	0.54	0.13	0.09	8.79	8.50
42.00	2.29	0.55	0.15	0.11	8.82	8.50
44.00	2.43	0.56	0.16	0.14	8.84	8.50
46.00	2.56	0.56	0.17	0.16	8.87	8.50
48.00	2.69	0.57	0.18	0.19	8.89	8.50
50.00	2.84	0.64	0.19	0.22	8.92	8.50
52.00	3.03	0.82	0.20	0.25	8.95	8.50
54.00	3.32	1.27	0.21	0.29	9.00	8.50
56.00	3.72	1.82	0.24	0.33	9.09	8.50
58.00	4.29	2.65	0.27	0.37	9.21	8.50
60.00	7.62	21.87	0.35	0.42	9.58	8.50
62.00	8.83	6.99	0.47	0.49	10.36	8.50
64.00	9.30	2.86	0.51	0.57	10.59	8.50
66.00	9.57	1.52	0.52	0.66	10.67	8.50
68.00	9.84	1.34	0.52	0.74	10.72	8.50
70.00	10.02	0.94	0.53	0.83	10.76	8.50
72.00	10.20	0.89	0.53	0.92	10.78	8.50
74.00	10.20	0.12	0.53	1.00	10.77	8.50
76.00	10.20	0.02	0.53	1.09	10.74	8.50
78.00	10.20	0.00	0.52	1.18	10.71	8.50
80.00	10.20	0.00	0.52	1.26	10.68	8.50
82.00	10.20	0.00	0.51	1.35	10.65	8.50
84.00	10.20	0.00	0.51	1.43	10.62	8.50
86.00	10.20	0.00	0.51	1.52	10.59	8.50
88.00	10.20	0.00	0.50	1.60	10.56	8.50
90.00	10.20	0.00	0.50	1.68	10.53	8.50
92.00	10.20	0.00	0.49	1.76	10.50	8.50
94.00	10.20	0.00	0.49	1.85	10.48	8.50
96.00	10.20	0.00	0.49	1.93	10.45	8.50

STRUCTURE MAXIMUM AND MINIMUM DISCHARGES

Struc	Max (cfs)	Time (hr)	Min (cfs)	Time (hr)
1	0.53	72.60	0.00	0.00

BASIN MAXIMUM AND MINIMUM STAGES

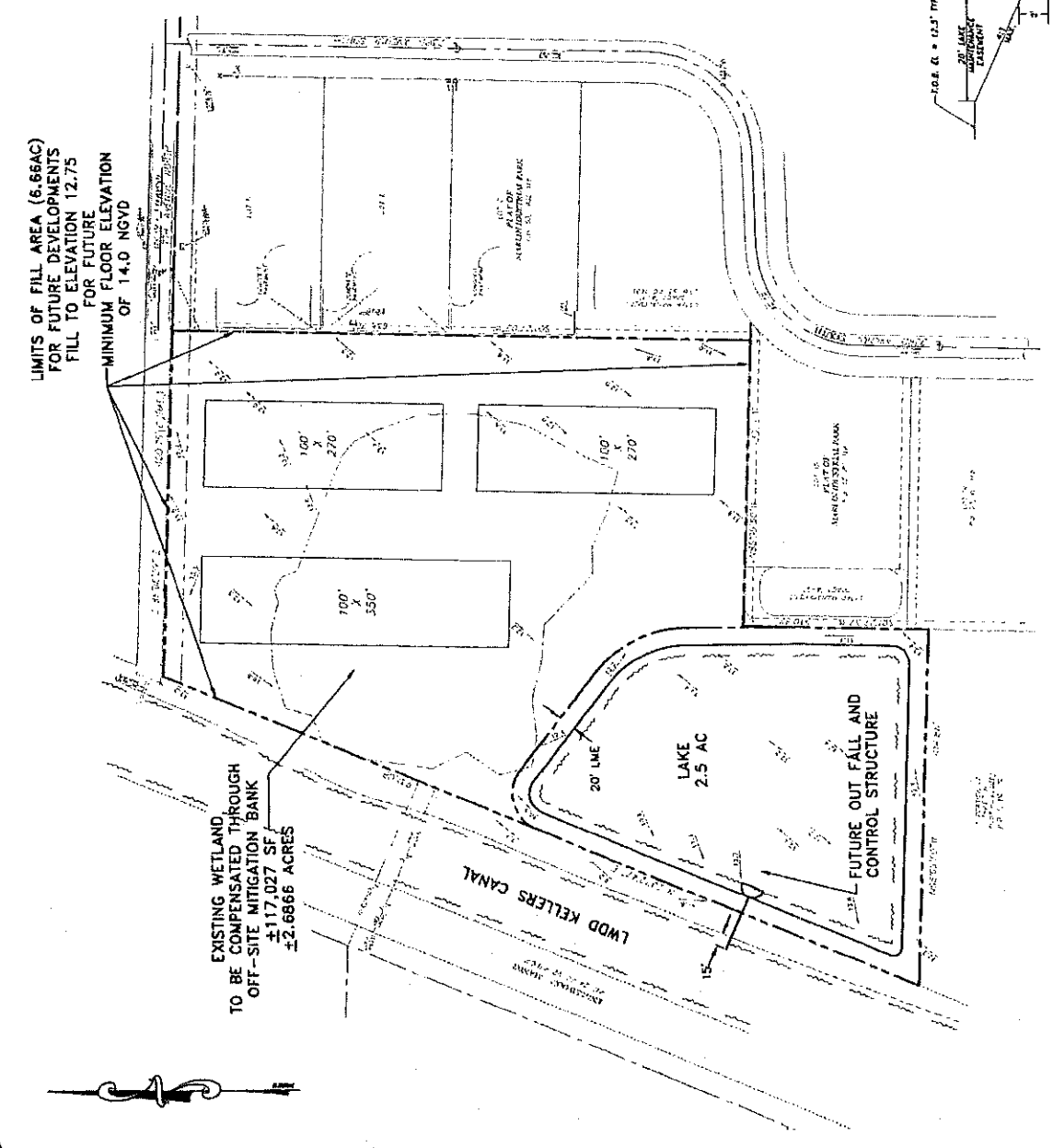
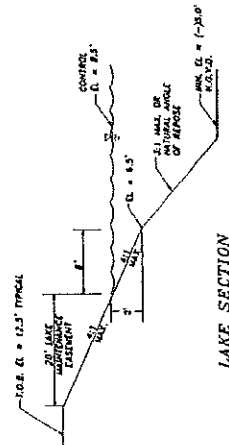
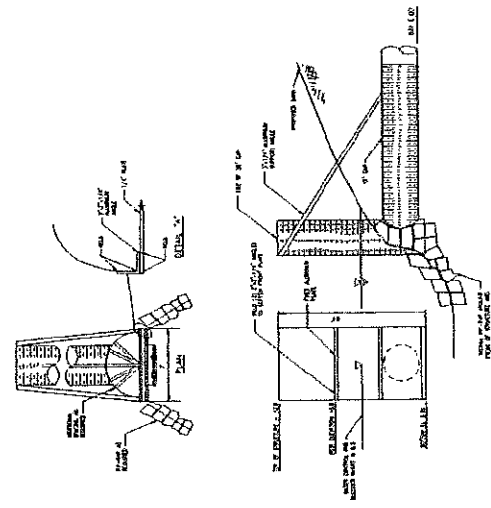
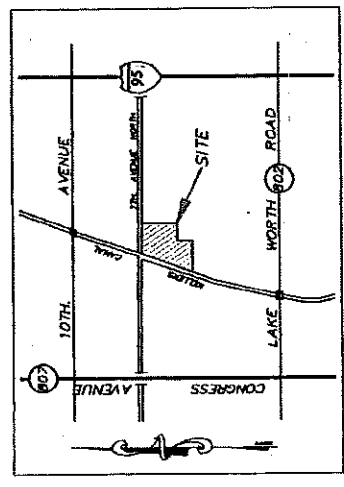
Basin	Max (ft)	Time (hr)	Min (ft)	Time (hr)
main	10.78	72.60	8.50	0.00

BASIN WATER BUDGETS (all units in acre-ft)

Basin	Total Runoff	Structure Inflow	Structure Outflow	Initial Storage	Final Storage	Residual
main	7.13	0.00	1.92	0.00	5.21	0.00

LIMITS OF FILL AREA (6.66AC)
FOR FUTURE DEVELOPMENTS
FILL TO ELEVATION 12.75
FOR FUTURE
MINIMUM FLOOR ELEVATION
OF 14.0 NGVD

EXISTING WETLAND
TO BE COMPENSATED THROUGH
OFF-SITE MITIGATION BANK
±117,027 SF
±2.6866 ACRES



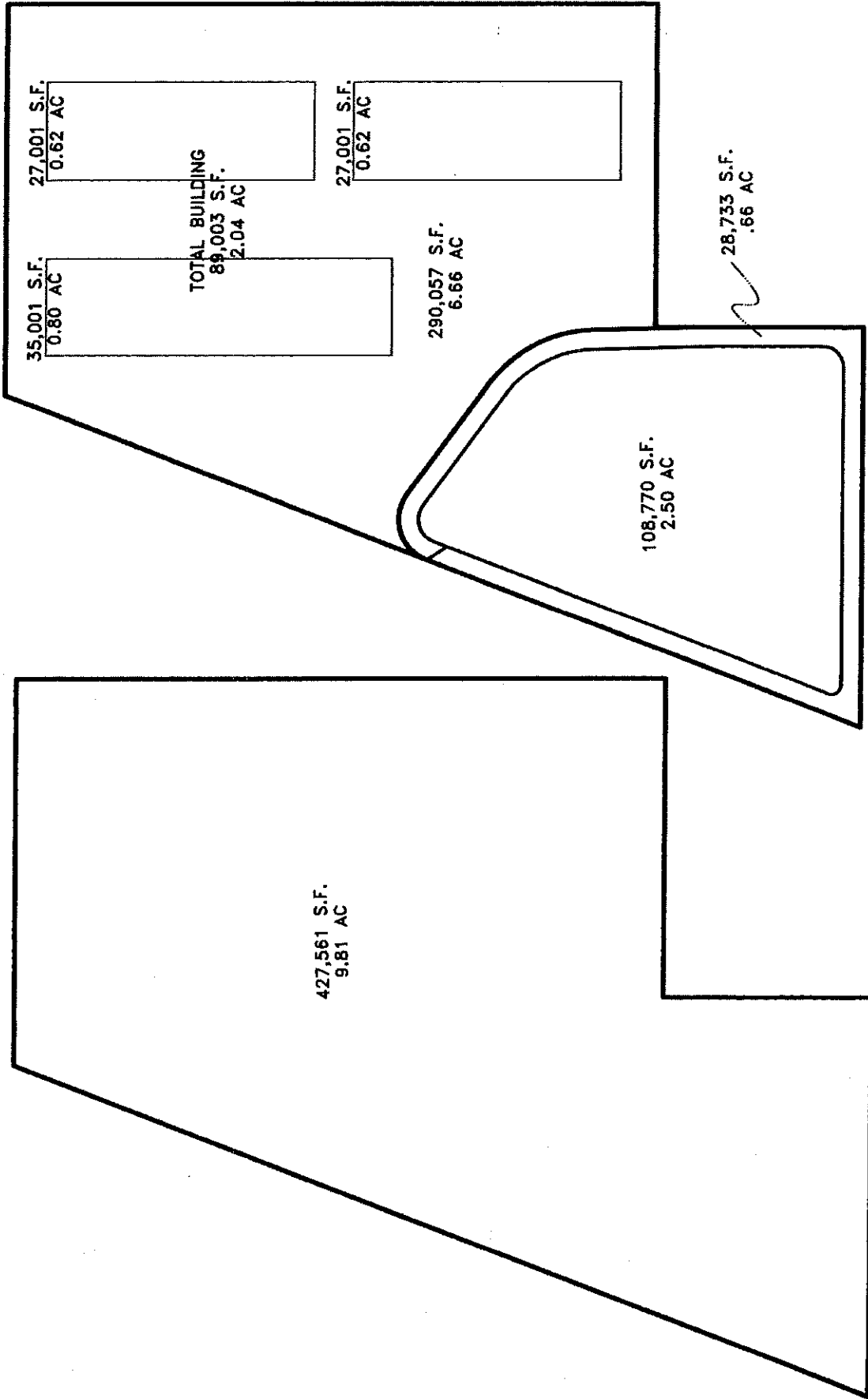
HARRIS ENGINEERING, INC.
CONSULTING ENGINEERS
7015 N. 13TH STREET
FORT WORTH, TEXAS 76114
TELEPHONE 817-338-1111
FACSIMILE 817-338-1112
OFFICE OF REGISTRATION No. 9012

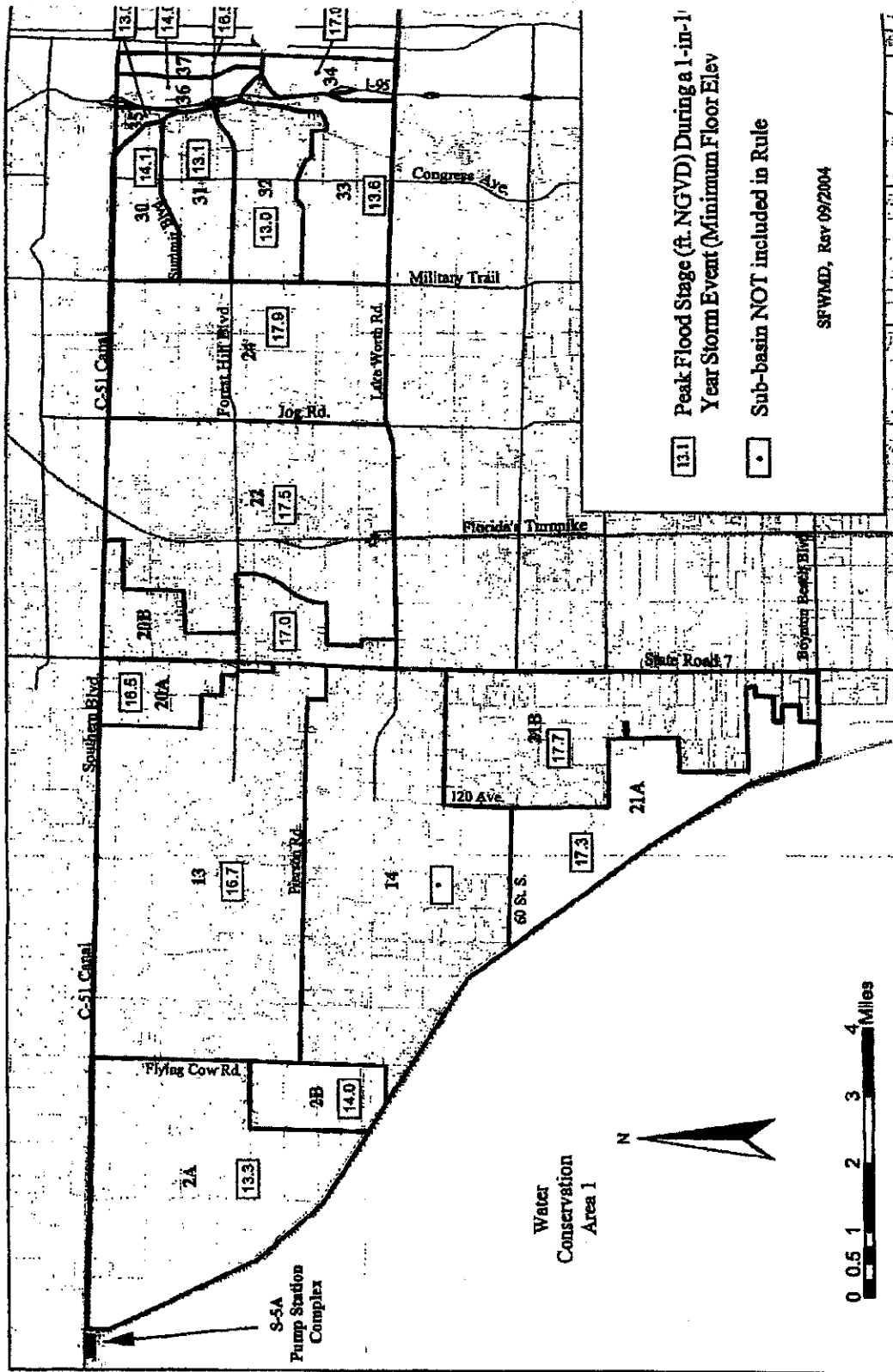
REVISIONS

LAKE WORTH 10 ACRES
CONCEPTUAL WATER MANAGEMENT PLAN
PLANNED

DATE: 11/07
SCALE: 1" = 40'
DESIGNED BY: B.A.K.
DRAWN BY: T.A.P.
JOB NUMBER: 6156
SHEET: C-1
PROJECT: LAKE WORTH 10 ACRES
DATE PLOTTED: 02-23-08

6156 - LAKE WORTH 10 ACRES





Existing Conditions Model Peak Flood Stage (ft. NGVD) During a 1-in-100 Year Storm Event
Figure 1
Plate 2 of 2

**APPENDIX E: CONSERVATION EASEMENT & SFWMD RELEASE OF
CONSERVATION EASEMENT**

Return to: (enclose self-addressed stamped envelope)

Name:

Address:



CFN 20140070763
OR BK 26636 PG 0070
RECORDED 02/27/2014 13:14:45
Palm Beach County, Florida
Sharon R. Bock, CLERK & COMPTROLLER
Pgs 0070 - 72; (3pgs)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Release of Conservation Easement

This Release of Conservation Easement ("Release") is made this _____ day of _____, 20____, by the South Florida Water Management District ("District") having an address of 3301 Gun Club Road, West Palm Beach, Florida 33406, and a mailing address of Post Office Box 24680, West Palm Beach, Florida 33416-4680.

WITNESSETH:

WHEREAS, LW Industrial, LLC _____ granted in favor of the District that certain Deed of Conservation Easement dated 03/01/2010, and recorded in Official Record Book 23717 at Page 0608 of the Public Records of Palm Beach County, Florida (hereinafter referred to as the "Conservation Easement") encumbering the real property described on Exhibit "A" attached hereto and made apart hereof (hereinafter referred to as the "Conservation Easement"); and

WHEREAS, the District has been requested to release the Conservation Easement; and

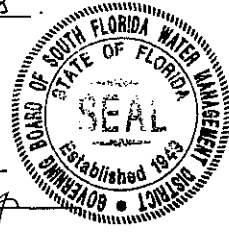
WHEREAS, the Conservation Easement may be released to the underlying fee owner; and

WHEREAS, the District is amenable to releasing the Conservation Easement.

NOW, THEREFORE, for good and valuable consideration, the adequacy and receipt of which is hereby acknowledged, the District hereby discharges, terminates and releases the Conservation Easement.

IN WITNESS WHEREOF, the South Florida Water Management District has caused this Release of Conservation Easement to be executed in its name and its official seal affixed hereto by its Governing Board on this 14 day of November, 2013.

(Corporate Seal)



SOUTH FLORIDA WATER MANAGEMENT DISTRICT, BY ITS GOVERNING BOARD

By: Dan O'Keefe
Chairperson

ATTEST:

Jacqui McGarity
District Clerk

Legal form approved:
Office of Counsel, April 2007

STATE OF FLORIDA
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 14th day of November, 2013, by Dan O'Keefe, Chairperson of the South Florida Water Management District, a public corporation of the State of Florida, on behalf of the corporation, who is personally known to me.



Brenda E. Low
Notary Public

Brenda E. Low
Print Name
My Commission Expires: 2-27-2015

OWNER
[Signature]
Bill Combslow
Print Name
K W Industrial LLC

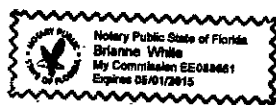
WITNESSES:

[Signature]
THOMAS E. THIBEAUX
Print Name

[Signature]
ROSIE LOWERTINE
Print Name

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me this 18 day of October, 20 13, by Bill Combslow, who is personally known to me or who has produced personally known as identification.



Notary Public Brianne White
Brianne White
Print Name
My Commission Expires: 5/1/2015

EXHIBIT A

(Legal description attached to the original Conservation Easement as an Exhibit)

Legal Description For Proposed Conservation Easement

A PORTION OF TRACT 66, "MODEL LAND CO. SUBDIVISION OF SECTION 20, TOWNSHIP 44 SOUTH RANGE 43 EAST". ACCORDING TO THE MAP OR PLAT THEROF, AS RECORDED IN PLAT BOOK 5 PAGE 79, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE NORTH 210.81 FEET OF TRACT 81 OF THE AFOREMENTIONED PLAT; THENCE NORTH 23 DEGREES 12 MINUTES 47 SECONDS EAST ALONG THE WESTERLY BOUNDARY LINE OF SAID TRACT 81 AND TRACT 66, AND THE EASTERLY RIGHT OF WAY OF E-4 CANAL 428.41 FEET; THENCE SOUTH 66 DEGREES 47 MINUTES 13 SECONDS EAST 20.00 FEET TO THE POINT OF BEGINNING; THENCE NORTH 23 DEGREES 12 MINUTES 47 SECONDS EAST ALONG A LINE 20.00 FEET EASTERLY OF AND PARALLEL WITH AS MEASURED AT RIGHT ANGLES TO THE WESTERLY BOUNDARY OF SAID TRACT 66 AND THE EASTERLY RIGHT OF WAY OF E-4 CANAL 482.37 FEET TO A POINT OF CURVATURE; THENCE 11.99 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 10.00 FEET, A CENTRAL ANGLE OF 68 DEGREES 40 MINUTES 44 SECONDS, A CHORD OF 11.28 FEET, A CHORD BEARING OF NORTH 57 DEGREES 33 MINUTES 09 SECONDS EAST; THENCE SOUTH 88 DEGREES 04 MINUTES 52 SECONDS EAST 81.87 FEET TO POINT 20.04 FEET SOUTH OF THE NORTH BOUNDARY LINE OF SAID TRACT 66; THENCE SOUTH 01 DEGREES 27 MINUTES 02 SECONDS WEST 19.96 FEET; THENCE SOUTH 38 DEGREES 10 MINUTES 14 SECONDS EAST 7.84 FEET; THENCE SOUTH 01 DEGREE 27 MINUTES 02 SECONDS WEST 440.24 FEET TO A POINT OF CURVATURE; THENCE 78.93 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 50.00 FEET, A CENTRAL ANGLE OF 90 DEGREES 27 MINUTES 08 SECONDS, A CHORD OF 70.99 FEET, A CHORD BEARING OF SOUTH 46 DEGREES 40 SECONDS 38 MINUTES WEST TO A POINT OF TANGENCY; THENCE NORTH 88 DEGREES 05 MINUTES 50 SECONDS WEST 148.22 FEET TO A POINT OF CURVATURE; THENCE 54.43 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 50.00 FEET, A CENTRAL ANGLE OF 62 DEGREES 22 MINUTES 17 SECONDS, A CHORD OF 51.78 FEET, A CHORD BEARING OF NORTH 56 DEGREES 54 MINUTES 41 SECONDS WEST TO A POINT OF TANGENCY; THENCE NORTH 25 DEGREES 43 MINUTES 33 SECONDS WEST 30.21 FEET; THENCE NORTH 66 DEGREES 47 MINUTES 13 SECONDS WEST 20.00 FEET TO THE POINT OF BEGINNING. SAID LANDS BEING AND SITUATE IN THE CITY OF LAKE WORTH, PALM BEACH COUNTY, FLORIDA. CONTAINING 98,149.63 SQUARE FEET, 2.25 ACRES MORE OR LESS.

BEARINGS MENTIONED ARE BASED ON PLAT MERIDIAN: CENTERLINE OF 7TH AVENUE NORTH = SOUTH 88 DEGREES 07 MINUTES 00 SECONDS EAST.



STATE OF FLORIDA - PALM BEACH COUNTY

I hereby certify that the foregoing is a true copy of the record in my office with redactions, if any as required by law.

THIS 27 DAY OF Feb 2014
SHARON R. BOCK
CLERK & COMPTROLLER

By _____
DEPUTY CLERK



CFN 20100077623
 OR BK 23717 PG 0608
 RECORDED 03/01/2010 15:50:22
 Palm Beach County, Florida
 ANT 10.00
 Doc Stamp 0.70
 Sharon R. Bock, CLERK & COMPTROLLER
 Pgs 0608 - 618; (11pgs)

This is not

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

DEED OF CONSERVATION EASEMENT

Return recorded document to:
 South Florida Water Management District
 3301 Gun Club Road, MSC 4210
 West Palm Beach, FL 33406

THIS DEED OF CONSERVATION EASEMENT is given this
 10th day of November, 20 08, by

LW INDUSTRIAL, LLC

whose mailing address ("Grantor")
 is
 720 SW 75 TERRACE
 PLANTATION, FL 33317

to the South Florida Water Management District ("Grantee"). ^{3301 Gun Club Rd MSC 4210 West Palm Beach FL 33406} As used herein, the term "Grantor" shall include any and all heirs, successors or assigns of the Grantor, and all subsequent owners of the "Property" (as hereinafter defined) and the term "Grantee" shall include any successor or assignee of Grantee.

WITNESSETH

WHEREAS, the Grantor is the owner of certain lands situated in *Palm Beach* County, Florida, and more specifically described in Exhibit "A" attached hereto and incorporated herein ("Property"); and

WHEREAS, the Grantor desires to construct *Lake Worth 10 Acres* ("Project") at a site in *Palm Beach* County, which is subject to the regulatory jurisdiction of South Florida Water Management District ("District"); and

WHEREAS, District Permit No. *50-09006-P* ("Permit") authorizes certain activities which affect waters in or of the State of Florida; and



This is a
Temporary
Copy

WHEREAS, this Permit requires that the Grantor preserve, enhance, restore and/or mitigate wetlands and/or uplands under the District's jurisdiction; and

WHEREAS, the Grantor, in consideration of the consent granted by the Permit, is agreeable to granting and securing to the Grantee a perpetual Conservation Easement as defined in Section 704.06, Florida Statutes, over the area described on Exhibit "B" ("Conservation Easement").

NOW, THEREFORE, in consideration of the issuance of the Permit to construct and operate the permitted activity, and as an inducement to Grantee in issuing the Permit, together with other good and valuable consideration, the adequacy and receipt of which are hereby acknowledged, Grantor hereby grants, creates, and establishes a perpetual Conservation Easement for and in favor of the Grantee upon the property described on Exhibit "B" which shall run with the land and be binding upon the Grantor, and shall remain in full force and effect forever.

The scope, nature, and character of this Conservation Easement shall be as follows:

1. Recitals. The recitals hereinabove set forth are true and correct and are hereby incorporated into and made a part of this Conservation Easement.

2. Purpose. It is the purpose of this Conservation Easement to retain land or water areas in their natural, vegetative, hydrologic, scenic, open, agricultural or wooded condition and to retain such areas as suitable habitat for fish, plants or wildlife. Those wetland and/or upland areas included in this Conservation Easement which are to be enhanced or created pursuant to the Permit shall be retained and maintained in the enhanced or created conditions required by the Permit.

To carry out this purpose, the following rights are conveyed to Grantee by this easement:

a. To enter upon the Property at reasonable times with any necessary equipment or vehicles to enforce the rights herein granted in a manner that will not unreasonably interfere with the use and quiet enjoyment of the Property by Grantor at the time of such entry; and

b. To enjoin any activity on or use of the Property that is inconsistent with this Conservation Easement and to enforce the restoration of such areas or features of the Conservation Easement that may be damaged by any inconsistent activity or use.

3. Prohibited Uses. Except for restoration, creation, enhancement, maintenance and monitoring activities, or surface water management improvements, or other activities described herein that are permitted or required by the Permit, the following activities are prohibited in or on the Conservation Easement:

- This is not a contract
- a. Construction or placing of buildings, roads, signs, billboards or other advertising, utilities, or other structures on or above the ground;
 - b. Dumping or placing of soil or other substance or material as landfill, or dumping or placing of trash, waste, or unsightly or offensive materials;
 - c. Removal or destruction of trees, shrubs, or other vegetation, except for the removal of exotic or nuisance vegetation in accordance with a District approved maintenance plan;
 - d. Excavation, dredging, or removal of loam, peat, gravel, soil, rock, or other material substance in such manner as to affect the surface;
 - e. Surface use except for purposes that permit the land or water area to remain in its natural or enhanced condition;
 - f. Activities detrimental to drainage, flood control, water conservation, erosion control, soil conservation, or fish and wildlife habitat preservation including, but not limited to, ditching, diking and fencing;
 - g. Acts or uses detrimental to such aforementioned retention of land or water areas;
 - h. Acts or uses which are detrimental to the preservation of the structural integrity or physical appearance of sites or properties having historical, archaeological, or cultural significance.

4. Grantor's Reserved Rights. Grantor reserves all rights as owner of the Property, including the right to engage in uses of the Property that are not prohibited herein and which are not inconsistent with any District rule, criteria, permit and the intent and purposes of this Conservation Easement.

5. No Dedication. No right of access by the general public to any portion of the Property is conveyed by this Conservation Easement.

6. Grantee's Liability. Grantee shall not be responsible for any costs or liabilities related to the operation, upkeep or maintenance of the Property.

7. Property Taxes. Grantor shall keep the payment of taxes and assessments on the Easement Parcel current and shall not allow any lien on the Easement Parcel superior to this Easement. In the event Grantor fails to extinguish or obtain a subordination of such lien, in addition to any other remedy, the Grantee may, but shall not be obligated to, elect to pay the lien on behalf of the Grantor and Grantor shall reimburse Grantee for the amount paid by the Grantee, together with Grantee's reasonable attorney's fees and costs, with interest at the maximum rate allowed by law, no later than thirty days after such payment. In the event the Grantor does not so reimburse the Grantee, the debt owed to Grantee shall constitute a lien against the Easement Parcel which shall automatically relate back to the recording date of this

Easement. Grantee may foreclose this lien on the Easement Parcel in the manner provided for mortgages on real property.

8. **Enforcement.** Enforcement of the terms, provisions and restrictions of this Conservation Easement shall be at the reasonable discretion of Grantee, and any forbearance on behalf of Grantee to exercise its rights hereunder in the event of any breach hereof by Grantor, shall not be deemed or construed to be a waiver of Grantee's rights hereunder.

9. **Assignment.** Grantee will hold this Conservation Easement exclusively for conservation purposes. Grantee will not assign its rights and obligations under this Conservation Easement except to another organization or entity qualified to hold such interests under the applicable state laws.

10. **Severability.** If any provision of this Conservation Easement or the application thereof to any person or circumstances is found to be invalid, the remainder of the provisions of this Conservation Easement shall not be affected thereby, as long as the purpose of the Conservation Easement is preserved.

11. **Terms and Restrictions.** Grantor shall insert the terms and restrictions of this Conservation Easement in any subsequent deed or other legal instrument by which Grantor divests itself of any interest in the Conservation Easement.

12. **Written Notice.** All notices, consents, approvals or other communications hereunder shall be in writing and shall be deemed properly given if sent by United States certified mail, return receipt requested, addressed to the appropriate party or successor-in-interest.

13. **Modifications.** This Conservation Easement may be amended, altered, released or revoked only by written agreement between the parties hereto or their heirs, assigns or successors-in-interest, which shall be filed in the public records in County.

TO HAVE AND TO HOLD unto Grantee forever. The covenants, terms, conditions, restrictions and purposes imposed with this Conservation Easement shall be binding upon Grantor, and shall continue as a servitude running in perpetuity with the Property.

Grantor hereby covenants with said Grantee that Grantor is lawfully seized of said Property in fee simple; that the Conservation Easement is free and clear of all encumbrances that are inconsistent with the terms of this Conservation Easement; and all mortgages and liens on the Conservation Easement area, if any, have been subordinated to this Conservation Easement; and that Grantor has good right and lawful authority to convey this Conservation Easement; and that it hereby fully warrants and defends the title to the Conservation Easement hereby conveyed against the lawful claims of all persons whomsoever.

This is not a deed

IN WITNESS WHEREOF,

LW INDUSTRIAL LLC
(Grantor) has hereunto set its authorized hand this 26 day of February, 20 10.

LW INDUSTRIAL LLC
a Florida corporation
By: [Signature] (Signature)
Name: Bill Cuthbertson (Print)
Title: REGISTERED AGENT

Signed, sealed and delivered in our presence as witnesses:
By: [Signature] (Signature) Name: Amanda Langis (Print)
By: [Signature] (Signature) Name: TINA Beckner (Print)

STATE OF FLORIDA) ss:
COUNTY OF Broward

On this 26th day of Feb., 20 10 before me, the undersigned notary public, personally appeared Bill Cuthbertson, the person who subscribed to the foregoing instrument, as the registered agent (title), of LW Industrial LLC (corporation), a Florida corporation, and acknowledged that he/she executed the same on behalf of said corporation and the he/she was duly authorized to do so. He/She is personally known to me or has produced a N/A (state) driver's license as identification.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

NOTARY PUBLIC, STATE OF FLORIDA
[Signature] (Signature)
Name: Harmoney Zburka (Print)
My Commission Expires: 11/15/13



stumpd.gov

This is Not a Certified Copy

MORTGAGE JOINDER, CONSENT AND SUBORDINATION

For Ten Dollars (\$10.00) and other good and valuable consideration, the adequacy and receipt of which are hereby acknowledged,

the owner and holder of a mortgage dated _____, in the original principal amount of \$ _____, given by _____

("Grantor") to ("Mortgagee"), encumbering the real property described on Exhibit "A" attached hereto ("Property"), which is recorded in Official Records Book _____, at Page _____ (together with that certain Assignment of Leases and Rents recorded in Official Records Book _____ at Page _____ and those certain UCC-1 Financing Statement(s) recorded in Official Records Book _____ at Page _____), all of the Public Records of _____

County, Florida (said mortgage, assignment of leases and rents, and UCC-1 Financing Statements, as modified, are hereinafter referred to as the "Mortgage"), hereby joins in, consents to and subordinates the lien of its Mortgage, as it has been, and as it may be, modified, amended and assigned from time to time, to the foregoing Conservation Easement, executed by _____ in favor of the South Florida Water Management District applicable to the Conservation Easement, as said Conservation Easement may be modified, amended and assigned from time to time, with the intent that the Mortgage shall be subject and subordinate to the Conservation Easement.

IN WITNESS WHEREOF, this Mortgage Joinder, Consent and Subordination is made this _____ day of _____, 20____

By: _____ (Signature) (Mortgagee)

Name: _____ (Print)

Title:

WITNESSES:

By: _____ (Signature) By: _____ (Signature)

Name: _____ (Print) Name: _____ (Print)

This is not a certified copy

STATE OF FLORIDA
COUNTY OF

The foregoing instrument was acknowledged before me this
day of 20 by
(print name),
as (title)
of
(Grantor of Mortgage), on behalf of the
(Mortgagee,
Grantor of the Conservation Easement). He/She is personally known to me or has
produced a (state) driver's license as identification.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

NOTARY PUBLIC, STATE OF FLORIDA

(Signature)

Name:

(Print)

My Commission Expires:

This is not a certified copy

EXHIBIT A

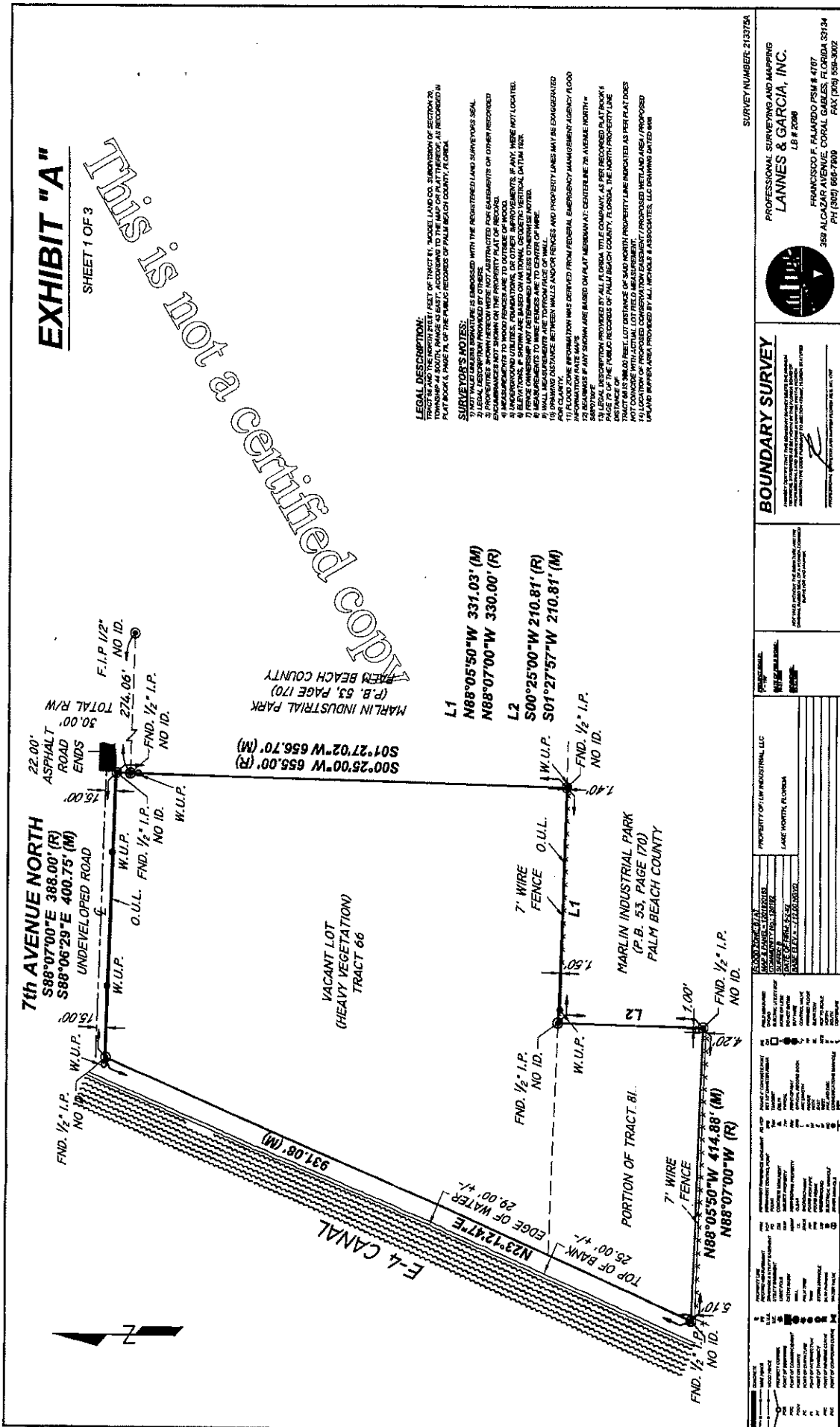
[DESCRIPTION OF PROPERTY]

MODEL LAND CO SUB TR 86 & N 210.81 FT OF TR 81
PARCEL CONTROL NUMBER: 38-43-44-20-01-088-0010
LOCATION ADDRESS 7TH AVENUE NORTH
LAKE WORTH

EXHIBIT "A"

SHEET 1 OF 3

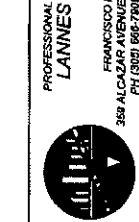
This is not a certified copy



LEGAL DESCRIPTION:
 PART OF TRACT 66, MARLIN INDUSTRIAL PARK, BEACH COUNTY, FLORIDA, AS SHOWN ON PLAT BOOK 4, PAGE 53, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

SURVEYOR'S NOTES:
 1) ALL WALL MARKERS BENEATH ARE EMBOSSED WITH THE REGISTERED LAND SURVEYOR'S SEAL.
 2) LEGAL DESCRIPTION PROVIDED BY OTHERS.
 3) ALL DISTANCES TO BE MEASURED TO THE CENTERLINE OF THE PROPERTY LINE.
 4) ENCUMBRANCES NOT SHOWN ON THE PROPERTY PLAT OF RECORD.
 5) ELEVATIONS, IF SHOWN, ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM 1988.
 6) FENCE OWNERSHIP NOT DETERMINED UNLESS OTHERWISE NOTED.
 7) ALL DISTANCES ARE TO THE CENTERLINE OF THE PROPERTY LINE.
 8) WALL MARKERS ARE TO BE PLACED AT THE CORNERS OF THE WALL.
 9) FLOOD ZONE INFORMATION WAS DERIVED FROM FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INFORMATION RATE MAPS.
 10) ALL DISTANCES ARE BASED ON PLAT NUMBER AT CENTERLINE TO AVENUE NORTH.
 11) LEGAL DESCRIPTION PROVIDED BY ALL FLORIDA TITLE COMPANY, AS PER RECORDED PLAT BOOK 4, PAGE 53, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, THE NORTH PROPERTY LINE DISTANCE OF 331.03' IS TO THE CENTERLINE OF AVENUE NORTH.
 12) LOT DISTANCE OF 331.03' IS TO THE CENTERLINE OF AVENUE NORTH.
 13) LOT DISTANCE OF 331.03' IS TO THE CENTERLINE OF AVENUE NORTH.
 14) LOCATION OF PROPOSED CONSERVATION EASEMENT (PROPOSED WETLAND AREA) / PROPOSED UPLAND BUFFER AREA PROVIDED BY ALL WICKHAM & ASSOCIATES, LLC DRAWING DATED 08/11/2010.

PROFESSIONAL SURVEYING AND MAPPING
LANNES & GARCIA, INC.
 L.B. # 2098
 FRANCISCO F. FALCÓN PSM # 4707
 359 ALCAHITA AVENUE, CORAL GABLES, FLORIDA 33134
 PH: (305) 665-7808 FAX: (305) 668-0602



BOUNDARY SURVEY
 I hereby certify that the above property is the property of the owner named herein and that the same is the property of the owner named herein and that the same is the property of the owner named herein.

PROPERTY OF MARLIN INDUSTRIAL LLC
 LAKE MORTON, FLORIDA

NO.	DESCRIPTION	DATE
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

NO.	DESCRIPTION	DATE
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50

EXHIBIT "B"

SHEET 2 OF 3

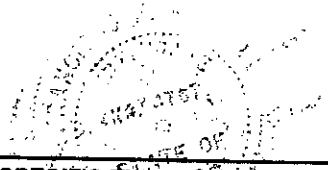
This is not a contract

LEGAL DESCRIPTION FOR PROPOSED CONSERVATION EASEMENT

A PORTION OF TRACT 66, "MODEL LAND CO. SUBDIVISION OF SECTION 20, TOWNSHIP 44 SOUTH, RANGE 23 EAST", ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, PAGE 79, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE NORTH 210.81 FEET OF TRACT 81 OF THE AFOREMENTIONED PLAT; THENCE NORTH 23°12'47" EAST ALONG THE WESTERLY BOUNDARY LINE OF SAID TRACT 81 AND TRACT 66, AND THE EASTERLY RIGHT OF WAY OF E-4 CANAL 428.41 FEET; THENCE SOUTH 66°47'13" EAST 20.00 FEET TO THE POINT OF BEGINNING; THENCE NORTH 23°12'47" EAST ALONG A LINE 20.00 FEET EASTERLY OF AND PARALLEL WITH AS MEASURED AT RIGHT ANGLES TO THE WESTERLY BOUNDARY OF SAID TRACT 66 AND THE EASTERLY RIGHT OF WAY OF E-4 CANAL 482.37 FEET TO A POINT OF CURVATURE; THENCE 11.99 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 10.00 FEET, A CENTRAL ANGLE OF 68°40'44", A CHORD OF 11.28 FEET, A CHORD BEARING OF NORTH 57°33'09" EAST; THENCE SOUTH 88°04'52" EAST 81.87 FEET TO A POINT 20.04 FEET SOUTH OF THE NORTH BOUNDARY LINE OF SAID TRACT 66; THENCE SOUTH 01°27'02" WEST 19.96 FEET; THENCE SOUTH 38°10'14" EAST 7.84 FEET; THENCE SOUTH 01°27'02" WEST 440.24 FEET TO A POINT OF CURVATURE; THENCE 78.93 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 50.00 FEET, A CENTRAL ANGLE OF 90°27'08", A CHORD OF 70.99 FEET, A CHORD BEARING OF SOUTH 46°40'36" WEST TO A POINT OF TANGENCY; THENCE NORTH 88°05'50" WEST 148.22 FEET TO A POINT OF CURVATURE; THENCE 54.43 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, SAID CURVE HAVING A RADIUS OF 50.00 FEET, A CENTRAL ANGLE OF 62°22'17", A CHORD OF 51.78 FEET, A CHORD BEARING OF NORTH 56°54'41" WEST TO A POINT OF TANGENCY; THENCE NORTH 25°43'33" WEST 30.21 FEET; THENCE NORTH 66°47'13" WEST 20.00 FEET TO THE POINT OF BEGINNING. SAID LANDS BEING AND SITUATE IN THE CITY OF LAKE WORTH, PALM BEACH COUNTY, FLORIDA. CONTAINING 98,149.63 SQUARE FEET, 2.25 ACRES MORE OR LESS.

BEARINGS MENTIONED ARE BASED ON PLAT MERIDIAN: CENTERLINE OF 7th AVENUE NORTH = SOUTH 88 07'00" EAST.



**PROFESSIONAL SURVEYING AND MAPPING**
LANNES & GARCIA, INC.
LB # 2098
FRANCISCO F. FAJARDO PSM # 4767
359 ALCAZAR AVENUE, CORAL GABLES, FLORIDA 33134
PH (305) 866-7909 FAX (305) 558-3002

SPECIFIC PURPOSE SURVEY
I HEREBY CERTIFY THAT THIS BOUNDARY SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS (CHAPTER 110114, FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.007, FLORIDA STATUTES.)
PROFESSIONAL SURVEYOR AND MAPPER FLORIDA REG. NO. 4767

PROPOSED CONSERVATION EASEMENT		EXHIBIT: B
DATE: 03-24-2009	PROJECT: LAKEWORTH 10 ACRES	SHEET: 2 OF 3
DRAWN BY: M. PIO	PREPARED FOR: LW INDUSTRIAL, LLC.	DRAWING No.: 213375A

APPENDIX F: SFWMD C-51 BASIN INFORMATION

ENVIRONMENTAL RESOURCE PERMIT APPLICANT'S HANDBOOK VOLUME II
Effective: MAY 22, 2016

Appendix A: SFWMD - ALLOWABLE DISCHARGE FORMULAS

<u>Canal</u>	<u>Allowable Runoff</u>	<u>Design Frequency</u>
C-1	$Q = \frac{(112 + 31) A}{\sqrt{A}}$	10 year
C-2	Essentially unlimited inflow by gravity connections southeast of Sunset Drive: 54 CSM northwest of Sunset Drive	200 year +
C-4	Essentially unlimited inflow by gravity connections east of S.W. 87 th Avenue	200 year +
C-6	Essentially unlimited inflow by gravity connections east of FEC Railroad	200 year +
C-7	Essentially unlimited inflow by gravity connection	100 year +
C-8	Essentially unlimited inflow by gravity connection	200 year +
C-9	Essentially unlimited inflow by gravity connection east of Red Road; 20 CSM pumped, unlimited gravity with development limitations west of Red Road or Flamingo Blvd.	100 year +
C-10	-----	200 year +
C-11	20 CSM west of 13A; 40 CSM east of 13A	-----
C-12	90.6 CSM	25 year
C-13	75.9 CSM	25 year
C-14	69.2 CSM	25 year
C-15	70.0 CSM	25 year
C-16	62.6 CSM	25 year
C-17	62.7 CSM	25 year
C-18	41.6 CSM	25 year
C-19	57.8 CSM	-----
C-23	31.5 CSM	10 year
C-24	30.25 CSM	10 year
C-25	$Q = \frac{(47 + 28) A}{\sqrt{A}}$ (Under Review)	10 year
C-38	31.1 CSM (subject to restrictions of Basin Rule)	10 year
C-40, 41, 41A	35.4 CSM	10 year
Hillsboro Canal (east of S-39)	35 CSM	25 year
North New River (east of S-34)	70.8 CSM	25 year
Everglades Ag. Area (all canals)	20 CSM	5 year
L-28	11.8 CSM	-----
* C-51	35 CSM east of Turnpike; 27 CSM west of Turnpike (subject to restrictions of Basin Rule)	10 year
C-100, 100A, 100B, 100C, 100D:	$Q = \frac{(104 + 43) A}{\sqrt{A}}$	10 year
C-102	$Q = \frac{(119 + 25) A}{\sqrt{A}}$	10 year
C-103N, C103-S	$Q = \frac{(107 + 39) A}{\sqrt{A}}$	10 year

C-51 BASIN RULE RE-EVALUATION

Table 39. Summary of Peak Stage Simulation Results for 2004 and 2015 Baseline

Sub-Basin ID	Area ¹ (acres)	Existing Rule Peak Stage ² (ft NGVD)	2004 100-yr, 72-hr Event			2015 100-yr, 72-hr Event		
			Peak Stage ft NGVD	Peak Flow (cfs)	Peak Stage Diff with Rule (ft)	Peak Stage ft NGVD	Peak Flow (cfs)	Peak Stage Diff with Rule (ft)
1	1253	14.2	14.2	48	0.0	20.8	48	6.6
2A	6663	13.3	-	-	-		--	--
2B	843	14.0	13.8	50	-0.2	15.4	66	0.9
3	446	15.8	15.8	26	0.0	16.1	26	0.3
4	500	16.6	16.6	29	0.0	17.1	29	0.5
5	1102	17.7	17.4	80	-0.3	18.8	107 465 ³	1.1
6	674	19.2	19.2	67	0.0	18.8	67 673 ⁴	-0.4
7	4109	19.9	19.9	226	0.0	19.2	84 3017 ⁵	-0.7
8	4086	20.8	20.6	418	-0.2	20.1	831	-0.7
9	69	18.0	17.6	38	-0.4	18.8	57	0.8
10	190	18.3	18.3	17	0.0	19.2	61	0.9
11	7975	19.1	18.9	1424	-0.2	19.2	2856	0.1
12	74	17.9	17.5	52	-0.4	19.2	93	1.3
13	10486	16.7	16.6	406	-0.1	17.0	894	0.2
14	9235	-	-	-	-	17.0	--	
15A	5161	18.2	18.2	1000	0.0	18.4	1482	0.2
15B	8605	-	-	-	-	20.2	490 ⁶	-
16A	920	17.1	16.8	508	-0.3	18.4	427	1.3
16B-1	1988	19.0	19.0	58	0.0	20.2 ^{7a}	65	1.2
16B-2	57					20.4 ^{7b}	8	1.4
16B-3	302					19.9 ^{7c}	74	0.9
17	1795	16.8	16.1	126	-0.7	16.1	615	-0.7
18	2309	16.0	16.6	534	0.6	16.1	446	0.1
20A	1011	16.5	15.7	431	-0.8	17.6	203	0.6
20B	2168	17.0	16.8	750	-0.2	17.1	706	0.0
21A	3535	17.3	17.3	0	0.0	18.0	0	0.7
21B	4915	17.7	17.7	143	0.0	18.2	177	0.6
22	7580	17.5	17.5	527	0.0	18.1	703	0.4
23	4049	17.1	17.1	849	0.0	17.4	921	0.3
24	5204	17.9	17.9	602	0.0	18.0	1421	0.0
25A	299	14.6	14.6	449	0.0	14.1	761	-0.4
25B	721	14.7	14.7	391	0.0	14.2	566	-0.5
26	332	13.8	13.8	320	0.0	14.0	320	0.2
27	753	13.2	13.2	320	0.0	14.3	320	1.1
28	201	12.4	12.3	428	-0.1	13.1	394	0.7
29A	1394	14.8	14.8	474	0.0	14.3	1245	-0.5
29B	566	15.2	15.2	830	0.0	15.0	770	-0.2
30	1121	14.1	14.1	268	0.0	13.5	679	-0.6
31	1433	13.1	13.1	670	0.0	12.7	1134	-0.4
32	1804	13.0	13.0	527	0.0	12.9	639	-0.1
33	2091	13.6	13.6	546	0.0	12.7	1286	-0.9
34	740	17.0	17.0	169	0.0	12.6	59 729 ⁸	-4.4
35	166	13.0	13.0	45	-1.7	13.2	45	0.2
36	607	14.0	14.0	158	0.0	14.1	225	0.1
37	399	16.5	16.4	108	-0.1	16.5	140	0.0
38	1812	17.3	17.2	151	-0.1	19.0	165	1.8
39	552	14.8 ⁹	---	---	---	13.5	374	---
Sect24	403	--			--	17.1	--	

1. 2015 Revised Sub-basins Areas
2. Peak stages from 2004 Interim Guidance Memorandum
3. Overbank flow from Sub-basin S5 to M-2 Canal
4. Overbank flow from Sub-basin S6 to M-2 Canal
5. Overbank flow from sub-basin S7 to sub-basin 6&10
6. ITID off-peak release with on-peak release of 200 cfs
- 7a,7b,7c. Sub-basin 16B was sub-divided into sub-basins 16a-1, 16B-2 and 16B-3
8. Overbank flow from sub-basin 34 to C-51 Canal
9. Sub-basin 39 was part of original sub-basin 29A



South Florida Water Management District
3301 Gun Club Road, West Palm Beach, Florida 33406
561-686-8800 - FL WATS 1-800-432-2045

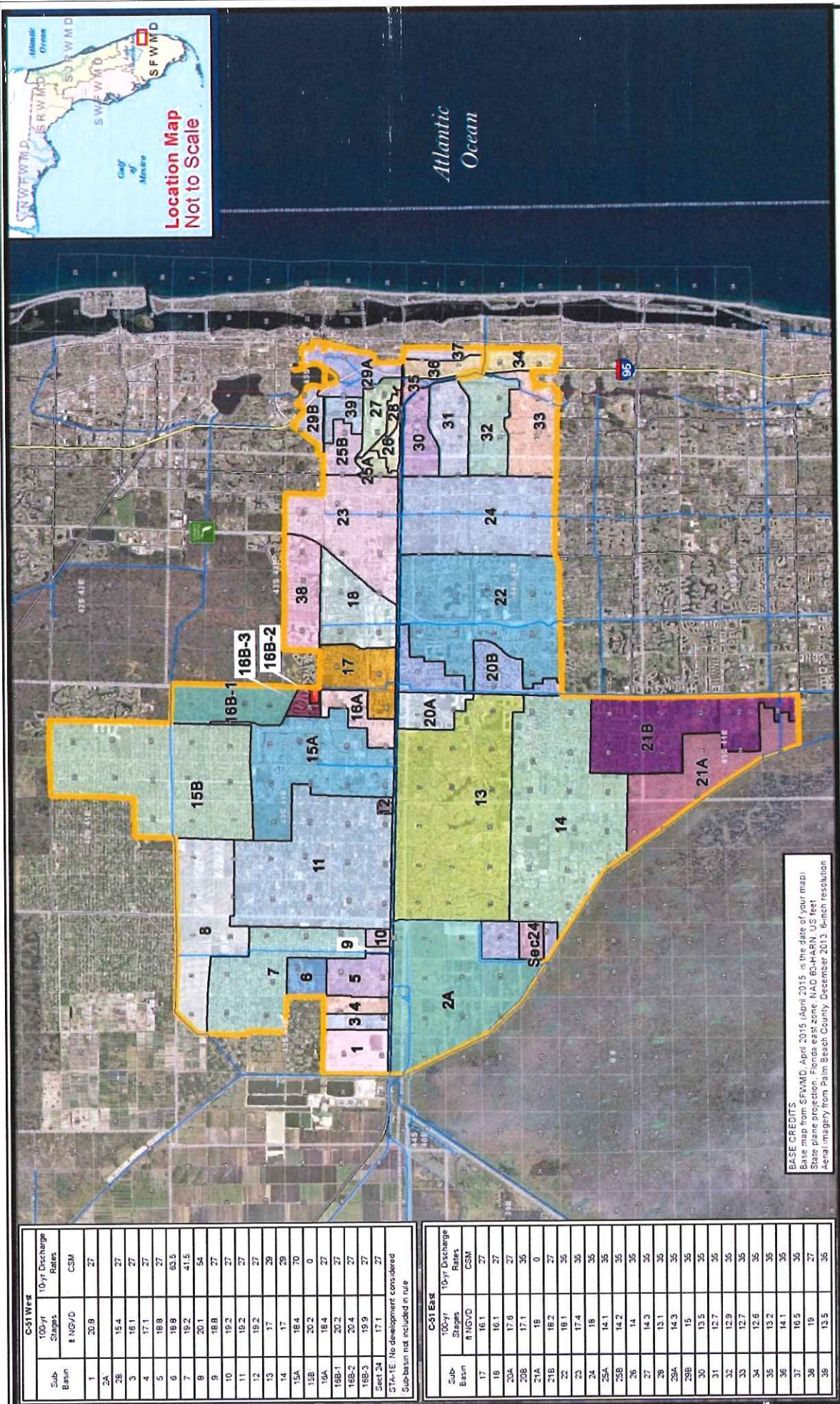
MAILING ADDRESS: P.O. Box 24660 - West Palm Beach, FL 33416-4660



IMPORTANT DISCLAIMER:
This map is a conceptual or planning tool only. The South Florida Water Management District is not providing any warranty or representation regarding the information contained herein. It is not to be used for zoning or planning and does not affect the interests of any persons or properties, including any present or future right of use of real property.

June, 2015

Figure 41-8 C-51 BASIN DESIGN CRITERIA



Sub-Basin	100-yr Discharge Rates	CSM
1	20.8	27
2A	15.4	27
2B	16.1	27
3	17.1	27
4	16.8	27
5	16.9	63.5
6	18.2	41.5
7	20.1	54
8	16.8	27
9	16.8	27
10	19.2	27
11	19.2	27
12	19.2	27
13	17	29
14	17	29
15A	18.4	70
15B	20.2	0
16A	18.4	27
16B-1	20.2	27
16B-2	20.4	27
16B-3	19.9	27
17	17.1	27
18	17.1	27
19	17.1	27
20A	17.6	27
20B	17.1	35
21A	18	0
21B	18.2	27
22	18.1	35
23	17.4	35
24	18	35
25A	14.1	35
25B	14.2	35
26	14	35
27	14.3	35
28	13.1	35
29A	14.3	35
29B	15	35
30	13.5	35
31	12.7	35
32	12.9	35
33	12.7	35
34	12.6	35
35	13.2	35
36	14.1	35
37	16.5	27
38	16	27
39	13.5	35

Sub-Basin	100-yr Discharge Rates	CSM
17	16.1	27
18	16.1	27
20A	17.6	27
20B	17.1	35
21A	18	0
21B	18.2	27
22	18.1	35
23	17.4	35
24	18	35
25A	14.1	35
25B	14.2	35
26	14	35
27	14.3	35
28	13.1	35
29A	14.3	35
29B	15	35
30	13.5	35
31	12.7	35
32	12.9	35
33	12.7	35
34	12.6	35
35	13.2	35
36	14.1	35
37	16.5	27
38	16	27
39	13.5	35

*37A-E: No development considered
Sub-basin not included in table

BASE CREDITS:
Base map from SFWMD, April 2015 (April 2015 is the date of your map).
Base map projection - Florida east zone, NAD 83-HARN, US feet
State plane projection - Florida east zone, December 2013, 6-inch resolution
Aerial imagery from Palm Beach County, December 2013, 6-inch resolution

**Location Map
Not to Scale**

Atlantic Ocean

June, 2015





Boutwell Industrial Park

7th Avenue North

Marlin Industrial Park

SUBJECT PROPERTY

Englewood Manor

23rd Ave

Oakwood Apartments

Marlin Commerce Center



© 2019 Microsoft
United States, FL, Palm Beach
Co., Lake Worth

Labels

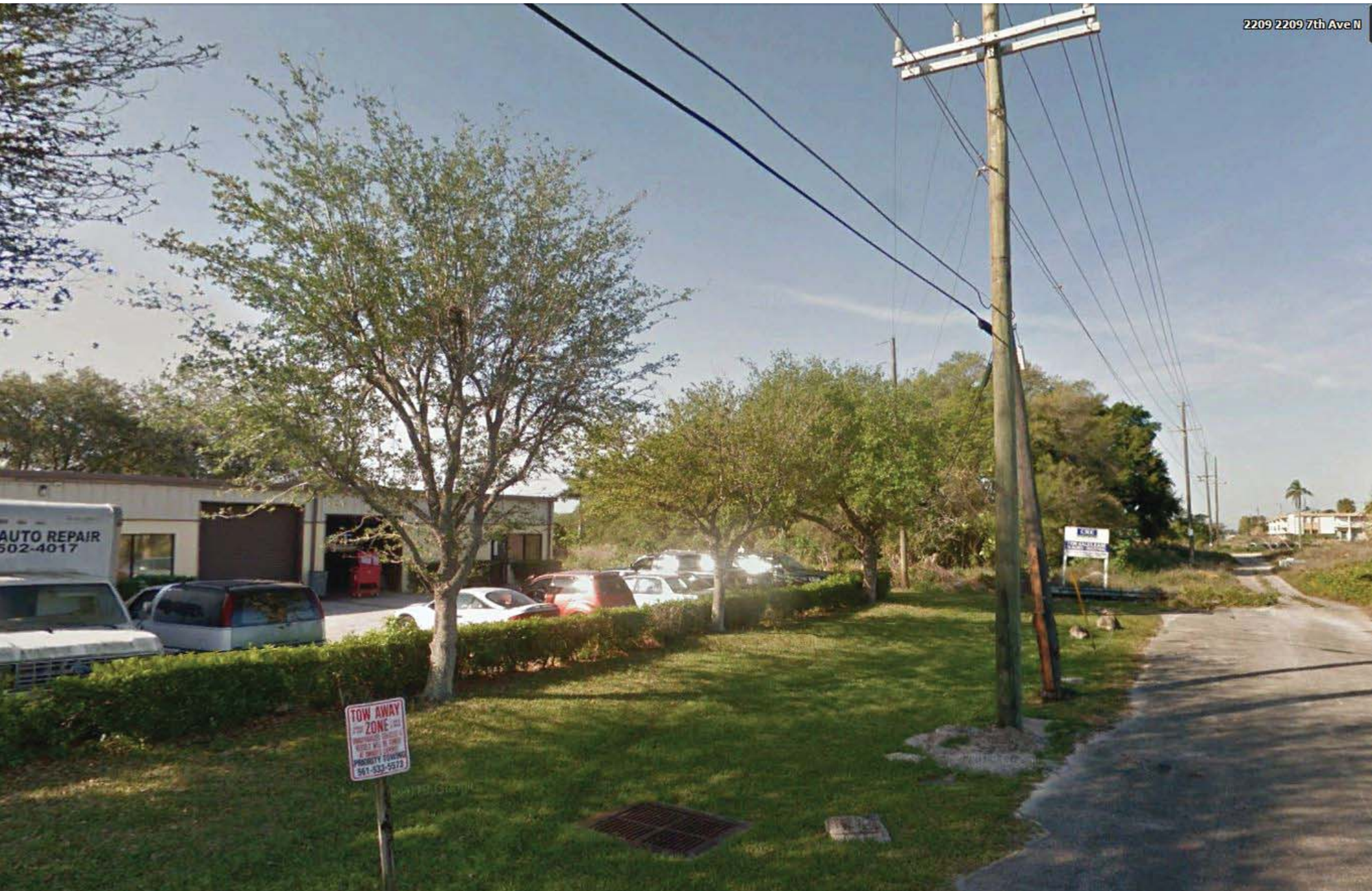
Palm Club Apartments

Palm Club Apartments

Palm Club Apartments

Elizabeth Rd

Elizabeth Rd



AUTO REPAIR
602-4017

TOW AWAY ZONE
PROHIBITED TO STOP
VEHICLES IN THIS ZONE
AT ANY TIME
PRIORITY TOWING
941-532-5573

KSIA
KINGSTON SERVICE AREA



7TH AVENUE NORTH VIEWING NE - ADJACENT BOUTWELL INDUSTRIAL PARK







WAREHOUSE
W/ OFFICE

561-400-7335

www.floorsid.com

OLYMPIAN
261-37-8798



© 2019 Google

Google Earth







BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

IN RE: Umdasch Real Estate USA, Ltd.
Umdasch Real Estate Green Reuse Site aka Former Boutwell Road Trash
Dump
2209 7th Avenue North, Lake Worth Beach, Florida 33461
Greater Lake Worth Park of Commerce Brownfield Area
Brownfield Area ID: BF500901000
Brownfield Site ID: BF500901001
FDEP Site/Facility ID: 94292 / ERIC_15315
OGC Tracking Number: 20-1471

BROWNFIELD SITE REHABILITATION AGREEMENT PURSUANT TO §376.80(5),
Florida Statutes (F.S.)

WHEREAS, the Brownfields Redevelopment Act was enacted to reduce public health and environmental hazards on existing commercial and industrial sites by offering incentives to encourage responsible persons to voluntarily develop and implement cleanup plans; and

WHEREAS, the Department of Environmental Protection (“Department”) is the administrative agency of the State of Florida having the power and duty to protect Florida’s environment and to administer and enforce the provisions of Chapters 403 and 376, F.S., and the rules promulgated thereunder, Chapters 62-777 and 62-780, Florida Administrative Code (F.A.C.), as amended; and

WHEREAS, the Department has jurisdiction over the matters addressed in this Brownfield Site Rehabilitation Agreement (“BSRA”); and

WHEREAS, the Department has the authority, pursuant to §376.81, F.S., to establish by rule, criteria for determining the rehabilitation program tasks that comprise a site rehabilitation program and the level at which a rehabilitation program task and a site rehabilitation program may be deemed complete;

NOW, THEREFORE, in consideration of the mutual covenants and agreements hereinafter contained, it is agreed as follows:

This BSRA is entered into between the Department and Umdasch Real Estate USA, Ltd., hereinafter the Person Responsible For Brownfield Site Rehabilitation (“PRFBSR”) (collectively referred to as the “parties”), for the rehabilitation of a brownfield site within a designated brownfield area pursuant to §376.80(5), F.S. The Department and the PRFBSR agree to the following:

1. DEPARTMENT OF ENVIRONMENTAL PROTECTION

The Department is the agency of the State of Florida with authority and power to enforce the provisions of Chapters 376 and 403, F.S.

2. PERSON RESPONSIBLE FOR BROWNFIELD SITE REHABILITATION

Umdasch Real Estate USA, Ltd. is the PRFBSR as defined in §376.79(15), F.S., for the real property described in the map and legal description in **Attachment A** (the “Brownfield Site”), incorporated herein, that has been designated by the City of Lake Worth Beach in Resolution Number 03-2009, approved on March 3, 2009, as a brownfield area as defined in §376.79(5), F.S. **Attachment A** is a composite exhibit that includes: (a) the legal description and map of the Brownfield Site; and (b) the city resolution(s) with all attachments including the map of the designated brownfield area. The brownfield site consists of 9.79 acres.

3. PRFBSR’S DUTIES

The PRFBSR agrees:

- (a) to conduct “site rehabilitation” of any “contaminated site(s)” as defined in §376.79, F.S., whose source originates on the real property described in **Attachment A as the Brownfield site**. If such contaminated site(s) extend(s) beyond the boundary of the Brownfield site, then PRFBSR agrees to conduct site rehabilitation to address the entire contaminated site;
- (b) to conduct site rehabilitation and submit technical reports and rehabilitation plans in a timely manner according to the attached brownfield site rehabilitation schedule agreed upon by the parties, **Attachment B** incorporated herein;
- (c) to conduct site rehabilitation activities under the observation of professional engineers or professional geologists, as applicable, who are registered in accordance with the requirements of Chapters 471 or 492, F.S., respectively. Submittals provided by the PRFBSR must be signed and sealed by a professional engineer registered under Chapter 471, F.S., or by a professional geologist registered under Chapter 492, F.S., as applicable, certifying that the submittal and associated work comply with the laws and rules of the Department and those governing the profession. Upon completion of the approved remedial action, a professional engineer registered under Chapter 471, F.S., or a professional geologist registered under Chapter 492, F.S., as applicable, must certify that the corrective action was, to the best of his or her knowledge, completed in substantial conformance with the plans and specifications approved by the Department;

- (d) to conduct site rehabilitation in accordance with Chapter 62-160, F.A.C., as the same may be amended from time to time;
- (e) to obtain any local, state or federal approvals or permits required for the site rehabilitation work and to conduct the necessary site rehabilitation consistent with local, state, and federal laws, rules and ordinances. All site rehabilitation shall be consistent with the cleanup criteria in §376.81, F.S., the requirements of Chapters 62-780, F.A.C., Contaminated Site Cleanup Criteria, and 62-777, F.A.C., Contaminant Cleanup Target Levels;
- (f) to allow access by the Department during the entire site rehabilitation process, as evidenced by the attached documentation, **Attachment C**, incorporated herein, establishing that such site access has been secured by agreement with the **real property owner**. Upon the transfer of any real property interest in any portion of the Brownfield Site before site rehabilitation is complete, the PRFBSR shall notify the Department within 15 days from the date that such an interest is effective. With notice the PRFBSR shall provide a copy of an access agreement in substantially the same form as that in **Attachment C** with any successor in interest to the **real property owner** of the Brownfield Site or with any party with a real property interest in the Brownfield Site after the effective date of this agreement, granting such access to the Department; and
- (g) to consider appropriate pollution prevention measures and to implement those that the PRFBSR determines are reasonable and cost-effective, taking into account the ultimate use or uses of the real property described in **Attachment A**. Local pollution prevention programs as well as state pollution prevention programs are available to assist in determining pollution reduction measures. The Department recommends that the PRFBSR contact the Department's Waste Reduction and Registration Program or Hazardous Waste Program and Permitting at the following websites: <https://floridadep.gov/waste/waste-reduction> and <https://floridadep.gov/waste/permitting-compliance-assistance/content/hazardous-waste-management-main-page> for recommendations on waste minimization and waste management and for assistance with pollution prevention measures. Such measures may include improved inventory or production controls and procedures for preventing loss, spills, and leaks of hazardous waste and materials, and include the goals for the reduction of releases of toxic materials.

4. CERTIFICATION

The PRFBSR, in accordance with the provisions of § 376.80(5), F.S., certifies that it has consulted with the local government with jurisdiction over the brownfield area about the proposed redevelopment of the brownfield site, that the local government is in agreement with or approves the proposed redevelopment, and that the proposed redevelopment complies with applicable laws and requirements for such

redevelopment. Documentation that supports this certification is provided as **Attachment D**, incorporated herein.

5. SITE CONTRACTOR

The PRFBSR must ensure that the contractor who is performing the majority of the site rehabilitation program tasks pursuant to this BSRA or supervising the performance of such tasks by licensed subcontractors in accordance with the provisions of § 489.113(9), F.S., has provided certification to the Department that the contractor meets the requirements listed below. If the identity of the contractor is known at the time of the execution of this BSRA, a Brownfields Redevelopment Program Contractor Certification Form (CCF) shall be submitted as **Attachment E** to this BSRA, and incorporated herein. If the contractor has not yet been determined, the PRFBSR shall ensure that the CCF is submitted to the District Brownfield Coordinator and approved by the Department before the contractor begins performing any site rehabilitation tasks at the site.

The PRFBSR must submit to the Department documentation as **Attachment F**, incorporated herein, which shows a National Environmental Laboratory Accreditation Program (“NELAP”)-recognized authority has accredited the laboratory(s) that will perform the analyses required by this agreement.

Any contractor that performs site rehabilitation tasks at a contaminated site originating on the real property as described in **Attachment A** shall provide documentation in accordance with the provisions of the paragraph above and with **Attachments E and F**, if applicable, showing that any contractor that performs site rehabilitation tasks:

- (a) meets all certification and license requirements imposed by law; and
- (b) performs, or has laboratory analyses performed, pursuant to NELAP certification requirements and performs, or has field sampling work performed, in accordance with the Standard Operating Procedures provided in Chapter 62-160, F.A.C., as amended, if applicable to performance of site rehabilitation tasks.

6. CONTINUOUS COMPLIANCE

During the entire site rehabilitation process, the PRFBSR agrees to ensure that the contractor continues to comply with the requirements of **Paragraph 5** of this BSRA pursuant to the requirements of §376.80(6), F.S.

7. VOLUNTARY CLEANUP TAX CREDIT PROGRAM

Not all activities that are approved or performed in association with a BSRA are eligible for the state's Voluntary Cleanup Tax Credit (VCTC). In accordance with § 376.30781, F.S., only the costs of voluntary cleanup activity incurred and paid by the applicant that are integral to site rehabilitation or for solid waste removal are eligible for the VCTC. "Site rehabilitation" as defined in §376.79(19), F.S., means the assessment of site contamination and the remediation activities that reduce the levels of contaminants at a site through accepted treatment methods to meet the cleanup target levels established for that site. "Solid waste removal" as defined in §376.30781(3), F.S., means removal of solid waste from the land surface or excavation of solid waste from below the land surface and removal of the solid waste from the brownfield site.

Contamination assessment or remediation paid for by the State of Florida for a discharge that is eligible for a state-funded cleanup under the Drycleaning Solvent Cleanup Program (DSCP) or one of the Petroleum Restoration Program's (PRP) eligibility programs, may not be used to calculate a tax credit. Likewise, expenses incurred that are statutorily-required to participate in the DSCP (i.e., deductibles) or one of the PRP eligibility programs (i.e., deductibles, review fees, limited contamination assessment reports, and co-payments), are not eligible for the state's VCTC. Nothing contained herein is intended to limit the VCTC otherwise available to the PRFBSR under applicable law.

General information about the VCTC Program is available at <https://floridadep.gov/waste/waste-cleanup/content/voluntary-cleanup-tax-credit>

For specific questions regarding the VCTC Program, please contact the Department's Waste Cleanup Program at (850) 245-8958.

8. ADVISORY COMMITTEE

The PRFBSR shall establish an advisory committee pursuant to the requirements of §376.80(4), F.S., for the purpose of improving public participation and receiving public comments on rehabilitation and redevelopment of the brownfield area, future land use, local employment opportunities, community safety, and environmental justice. The advisory committee should include residents within or adjacent to the brownfield area, businesses operating within the brownfield area, and others deemed appropriate. However, if an appropriate local advisory committee already exists, this committee may be used for requesting public participation and for the purposes of complying with this paragraph.

The PRFBSR shall provide the advisory committee a copy of the final proposed draft BSRA, including attachments, and a copy of the executed BSRA. When the PRFBSR submits a site assessment report or the technical document containing the proposed course of action following site assessment to the Department or the local pollution control program for review, the PRFBSR shall hold a meeting or attend a regularly

scheduled meeting to inform the advisory committee of the findings and recommendations in the site assessment report or the technical document containing the proposed course of action following site assessment.

The names, addresses, contact information and applicable affiliation for each advisory committee member is included as **Attachment G**, incorporated herein.

9. INDEMNIFICATION

The PRFBSR shall save and hold harmless and indemnify the Department against any and all liability, claims, judgments or costs of whatsoever kind and nature for injury to, or death of any person or persons and for the loss or damage to any property resulting from the use, service, operation or performance of work under the terms of this BSRA and from the negligent acts or omissions of the PRFBSR or its employees, agents, contractors, subcontractors, or other representatives, to the extent allowed by law.

10. LIABILITY PROTECTION

The liability protection provided under §376.82, F.S., shall become effective upon execution of this BSRA and shall remain effective, provided the PRFBSR complies with the terms of this BSRA.

11. TERMINATION

Pursuant to §376.80(8), F.S., if the PRFBSR fails to comply with this BSRA, the Department shall notify the PRFBSR and allow 90 days for the PRFBSR to return to compliance with the provision at issue or to negotiate a modification to the BSRA with the Department for good cause shown. If an imminent hazard exists, the 90-day grace period shall not apply. If the project is not returned to compliance with this BSRA and a modification cannot be negotiated, the Department may terminate this BSRA.

The PRFBSR may terminate this BSRA at any time upon written notice to the Department.

Termination of this BSRA by either party will revoke the immunity provision of §376.82, F.S.

12. IMMINENT HAZARD

Nothing herein shall be construed to limit the authority of the Department to undertake any action in response to, or to recover the costs of responding to, conditions at or from the real property described in **Attachment A** that require the Department to take action to abate an imminent hazard to the public health, welfare or the environment.

13. RELEASE OF LIABILITY

Upon successful completion of this BSRA as evidenced by the issuance of a Site Rehabilitation Completion Order (SRCO) for each contaminated site originating from the real property described in **Attachment A**, the PRFBSR and his or her successors and assigns, shall be relieved from further liability for site rehabilitation as described in paragraph 3.a. of this BSRA to the Department and third parties and of liability in contribution to any other party who has or may incur cleanup liability for the contaminated site(s).

This release of liability is subject to the reopener provisions of §376.82(3), F.S.

14. GOVERNING LAW

This BSRA has been delivered in the State of Florida and shall be construed in accordance with the laws of Florida and any applicable local regulations. Wherever possible, each provision of this BSRA shall be interpreted in such manner as to be effective and valid under applicable law. If any provision of this BSRA shall be prohibited or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provision or the remaining provisions of this BSRA. Any action hereon or in connection herewith shall be brought in Palm Beach County, Florida.

15. SUBMITTALS

The PRFBSR shall submit one hard (paper) copy or one electronic (digital) copy of any certifications or documentation required in **Paragraph 5** ("Site Contractor") above, and all data, reports, responses, addenda, or modifications to reports and plans required by this BSRA to:

Chris Burroughs, P.G.
Southeast District Brownfields Coordinator
3301 Gun Club Road, MSC 7210-1
West Palm Beach, Florida 33406
(561) 681-6651
Chris.Burroughs@floridadep.gov

The Department encourages the submittal of documents for review in an electronic format rather than the submittal of paper copies. All electronic copies of documents shall be in the format listed in **Attachment H**, incorporated herein. Time frames for the Department's review of technical reports and plans and submittal of documents by the PRFBSR shall be governed by the schedule in **Attachment B**. After final Department approval of each report or plan, an electronic copy shall be submitted to the Department within 30 days. The electronic copy of the report shall be submitted in the format listed in **Attachment H**.

16. DOCUMENT REVIEW

During the site rehabilitation process, if the Department fails to complete the review of a technical document within the time frame specified in this BSRA, with the exceptions of “no further action proposals,” “monitoring only proposals,” and feasibility studies, which must be approved prior to implementation, the PRFBSR may proceed to the next site rehabilitation task. However, the PRFBSR does so at its own risk and may be required by the Department to complete additional work on a previous task.

17. ASSIGNMENT

The PRFBSR shall not assign any rights or responsibilities under this BSRA to any other party without the written consent of the Department and the local government with jurisdiction over the real property described in **Attachment A**. However, the Department shall not withhold its consent to such an assignment if: (a) the proposed assignee meets all of the eligibility criteria under §376.82, F.S.; (b) the proposed assignee has agreed, in writing, to assume all obligations of the PRFBSR under the terms of this BSRA; and (c) the assignment of PRFBSR obligations under any agreement with the local government with jurisdiction over the real property has been approved, in writing, by the local government.

18. WAIVER

By entering into this BSRA, the PRFBSR waives its right to challenge the contents of this BSRA in an administrative hearing afforded by §120.569 and §120.57, F.S., or an appeal afforded by the terms of §120.68, F.S. This BSRA does not deny the PRFBSR a right to challenge the Department’s actions taken pursuant to this BSRA. No delay or failure to exercise any right, power or remedy accruing to either party upon breach or default by either party under this BSRA, shall impair any such right, power or remedy of either party; nor shall such delay or failure be construed as a waiver of any such breach or default, or any similar breach or default thereafter.

19. EFFECTIVE DATE AND ADMINISTRATIVE HEARING

This BSRA (Order) is final and effective on the date of execution unless a timely petition for an administrative hearing is filed under §§120.569 and 120.57, F.S., within 21 days after the date of receipt of notice of agency action. Upon the timely filing of such petition, this BSRA will not be effective until further order of the Department. The liability protection for the PRFBSR pursuant to §376.82(2), F.S., becomes effective upon execution of the BSRA. The procedures for petitioning a hearing are set forth below.

Please be advised that mediation of this decision pursuant to §120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for Hearing:

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request shall be filed with (received by) the Agency Clerk of the Department in the Office of the General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within **21** days of receipt of this BSRA. Petitioner shall mail a copy of the request to the PRFBSR at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for administrative hearing must be made.

How to File a Petition for Administrative Hearing:

A person whose substantial interests are affected by this BSRA may petition for an administrative proceeding (hearing) under §§120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Agency Clerk of the Department in the Office of the General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within **21** days of receipt of this BSRA. Petitioner shall mail a copy of the petition to the PRFBSR at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right to request an administrative proceeding under Chapter 120, F.S.

Pursuant to §120.569(2), F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information:

1. The name, address, any e-mail address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the PRFBSR's name and address; the Department's Brownfield Area and Brownfield Site Identification Numbers; and the name and address of the Brownfield Site; the name and address of each agency affected;
2. A statement of when and how each petitioner received notice of the Department's action or proposed action;
3. An explanation of how each petitioner's substantial interests will be affected by the Department's action or proposed action;
4. A statement of the disputed issues of material fact, or a statement that there are no disputed facts;
5. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;

6. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and

7. A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this BSRA. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

20. JUDICIAL REVIEW

Except for the PRFBSR, any party has the right to seek judicial review of this BSRA under §120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Agency Clerk of the Department in the Office of the General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice of appeal must be filed within **30** days after this BSRA is filed with the clerk of the Department (see below).

21. CONTACTS FOR GENERAL AND LEGAL QUESTIONS

Any questions about the content of this BSRA, the Department's review of the BSRA, or technical questions should be directed to the Department's District Brownfields Coordinator referenced in **Paragraph 15** of this BSRA or to the PRFBSR's representative at:

Michael R. Goldstein, Esq.
The Goldstein Environmental Law Firm, P.A.
2100 Ponce de Leon Boulevard, Suite 710
Coral Gables, Florida 33134
(305) 777-1682
MGoldstein@goldsteinenvlaw.com

Questions regarding legal issues should be referred to the Department's Brownfields Program Attorney in the Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for administrative hearing or request for an extension of time to file a petition for administrative hearing.


22. ENTIRETY OF AGREEMENT

This BSRA represents the entire agreement of the parties. Any alterations, variations, changes, modifications or waivers of provisions of this BSRA shall only be valid when they have been reduced to writing, duly signed by each of the parties hereto, and attached to the original of this BSRA, unless otherwise provided herein.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, each of the parties has made and executed this Brownfield Site Rehabilitation Agreement on the date set forth for each signature of each representative below: Jason Andreotta, Director, Southeast District, State of Florida Department of Environmental Protection, and Umdasch Real Estate USA, Ltd., the Person Responsible for Brownfield Site Rehabilitation, signing by and through Michael Barrese, its Secretary, duly authorized to execute same.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

By: 

Jason Andreotta
Director, Southeast District

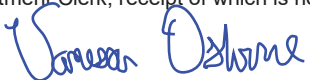
Date: 12-28-2020

Approved as to form and legality:

Ronda Moore Digitally signed by Ronda Moore
Date: 2020.12.21 13:57:52 -05'00'

Ronni Moore, Brownfields Program Attorney

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk (or Deputy Clerk)

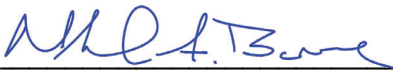
Date: 12-28-2020

SIGNATURES CONTINUE ON NEXT PAGE

Umdasch Real Estate USA, Ltd.
Brownfield Site Rehabilitation Agreement
Brownfield Site ID # BF500901001

PERSON RESPONSIBLE FOR
BROWNFIELD SITE REHABILITATION

By: Umdasch Real Estate USA, Ltd.,
a New Jersey corporation

By: 

Michael Barrese
Secretary

Date: December 21, 2020

Address: 214 Gates Road
Little Ferry, New Jersey 07643

Phone: (201) 853-0594

cc: Kelly Crain, FDEP Brownfields Program Manager
Justin Cross, FDEP Government Analyst II, Brownfields Program
Megan Johnson, FDEP Environmental Consultant, Brownfields Program
Ronni Moore, FDEP Brownfields Program Attorney
Chris Burroughs, P.G., FDEP Southeast District Brownfields Coordinator

List of Attachments

Attachment A	Local Government Resolution for the Brownfield Area and Map and Legal Description of the Brownfield Site
Attachment B	Brownfield Site Rehabilitation Schedule
Attachment C	Site Access Agreement
Attachment D	Certification of Redevelopment Agreement
Attachment E	Contractor Certification Form
Attachment F	Quality Assurance Certificate
Attachment G	Advisory Committee Members
Attachment H	Format for Submittal of Technical Documents

Attachment A

RESOLUTION NO. 03-2009 OF THE CITY OF LAKE WORTH, FLORIDA, DESIGNATING THE AREA WITHIN THE BOUNDARIES OF THE GREATER LAKE WORTH PARK OF COMMERCE A BROWNFIELD AREA; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Florida Brownfield's Redevelopment Act, Sec. 376.77 through 376.85, Fla. Stat. (2008) (the "Act") provides for local governments to designate by resolution areas consisting of one or more Brownfield sites as "Brownfield areas" for the purpose of environmental remediation, rehabilitation and economic redevelopment; and,

WHEREAS, the Lake Worth City Commission desires to designate, pursuant to the Act, the Lake Worth Park of Commerce as delineated in the attached map (Exhibit A), prepared by the City of Lake Worth Community Services Department, as a Brownfield area to secure the benefits accruing under the Act; and,

WHEREAS, the Brownfield area designation will enable property owners to voluntarily use State Brownfield Programs for environmental remediation, rehabilitation and economic development; and,

WHEREAS, the City has complied with the procedures outlined in the Act and has provided notice as required by Sec. 166.041(3)(c)(2), Florida Statutes; and

WHEREAS, the owner of property located at 1926 10th Avenue North has requested that this property not be included in the Brownfield area designation.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF LAKE WORTH, FLORIDA, that,

Section 1. The recital and findings set forth in the Preamble to this Resolution are hereby adopted into and are made a part of this resolution.

Section 2. Pursuant to the Act, the area depicted in Exhibit A, featuring the area within the boundaries of the Greater Lake Worth Park of Commerce, except for the property located at 1926 10th Avenue North, attached hereto and incorporated herein by reference, is hereby designated as a Brownfield area.

Section 3. The property located at 1926 10th Avenue North, legally described as the West half of Tract 5, less the South 20 feet thereof, SAWYER'S SUBDIVISION of the West half of Section 21, Township 44 South, Range 43 East, as recorded in Plat Book 5, Page 12, Public Records of Palm Beach County, Florida, less the West 25 feet thereof deeded to the City of Lake Worth, Florida, by instrument dated December 20, 1982, recorded January 17, 1983 in Official Record Book 3862, Page 1086, Public Records of Palm Beach County, Florida, is not included in the Brownfield area designation.

Section 4. This resolution shall become effective upon its adoption.

Section 5. The City shall notify the Florida Department of Environmental Protection of the decision to designate the Greater Lake Worth Park of Commerce as a Brownfield area.

The passage of this Resolution on first public hearing was moved by Commissioner Jennings, seconded by Commissioner Lowe, and upon being put to a vote, the vote was as follows:

Mayor Jeff Clemens	AYE
Vice Mayor Jo-Ann Golden	AYE
Commissioner Retha Lowe	AYE
Commissioner Cara Jennings	AYE
Commissioner Suzanne Mulvehill	AYE

The Mayor thereupon declared this Resolution duly passed on first public hearing on the 17th day of February, 2009.

The passage of this Resolution on second public hearing was moved by Commissioner Jennings, seconded by Commissioner Lowe, and upon being put to a vote, the vote was as follows:

Mayor Jeff Clemens	AYE
Vice Mayor Jo-Ann Golden	AYE
Commissioner Retha Lowe	NAY
Commissioner Cara Jennings	AYE
Commissioner Suzanne Mulvehill	AYE

The Mayor thereupon declared this Resolution duly passed and adopted on second public hearing this 3rd day of March 2009.

LAKE WORTH CITY COMMISSION

BY 
Jeff Clemens, Mayor

ATTEST:


Pamela J. Lopez, City Clerk

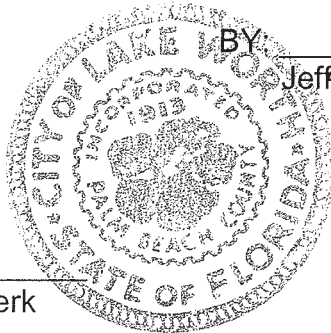
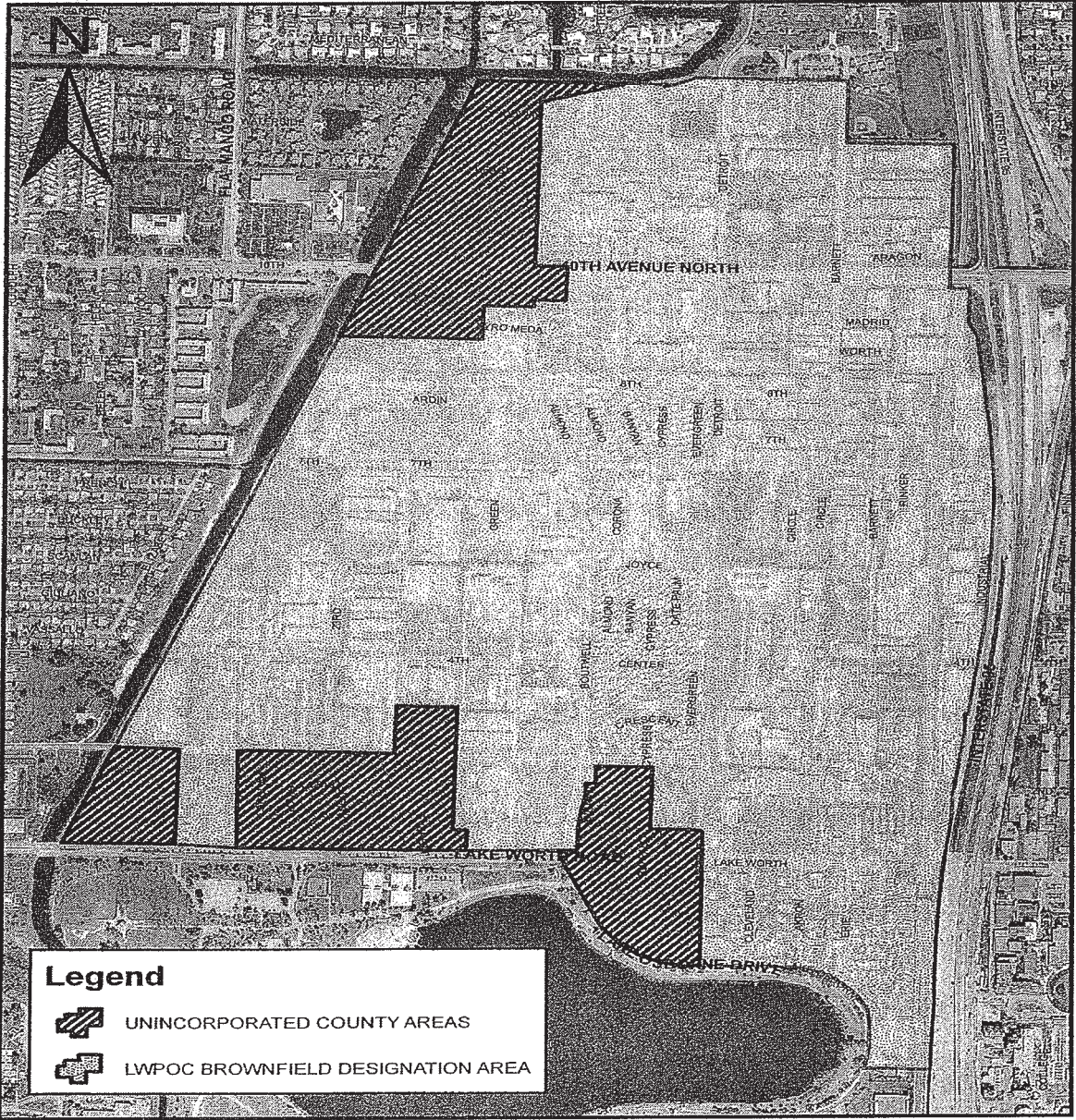


EXHIBIT A



CITY OF LAKE WORTH LWPOC BROWNFIELD DESIGNATION





NOTES:

1. AERIAL IMAGE RETRIEVED FROM NEARMAP ON AUGUST 26, 2020.

LANGAN Langan Engineering and Consulting Services, Inc. 110 East Broward Boulevard, Suite 1500 Fort Lauderdale, FL 33301 T: 954.330.2100 F: 954.330.2101 www.langan.com FL Certificate of Authorization No. 0000801L0012428188	Project PROPOSED UMDASCH FACILITY 2209 7TH AVENUE NORTH LAKE WORTH, FLORIDA PALM BEACH	Drawing Title SITE LOCATION MAP	Drawing No. FIG. 1
	Project No. 335070301 Date 09/24/2020 Drawn By AJ Checked By MN		

Legal Description

Tract 66 and the north 210.81 feet of Tract 81, "Model Land Co. Subdivision of Section 20, Township 44 South, Range 43 East", according to the map or plat thereof, as recorded in Plat Book 5, Page 79, of the Public Records of Palm Beach County, Florida.

Attachment B

Attachment B
Table I
Brownfield Site Rehabilitation Schedule

Type of Report or Activity	PRFBSR Action or Submittal Time Frames	Department Review or Comment Time frames
Notice of Interim Source Removal Action or Emergency Response Action situations.	Within 24 hours of initiation of the action.	No comment required.
Interim Source Removal Proposal	When seeking approval before implementation of an alternative product recovery method, groundwater recovery, soil treatment or disposal technique (see Rule 62-780.525, F.A.C.)	Within 30 days of receipt.
Interim Source Removal Plan	When seeking approval before implementation of an alternative product recovery method, groundwater recovery, soil treatment or disposal technique (62-780.525, F.A.C.)	Within 30 days of receipt.
Interim Source Removal Status Report	Within 60 days of completion of source removal activities and every 60 days thereafter or when the field activity is terminated, whichever occurs first.	No comment required.
Interim Source Removal Report	Within 60 days of completion of interim source removal activities.	Within 60 days of receipt.
Site Rehabilitation Plan (SRP) or Combined Document; (Optional submittal) (See Rule 62-780.450, F.A.C.)	Optional: SRP submitted within 270 days of executing BSRA. May include multiple tasks.	Within 60 days of receipt.
Site Assessment Report (SAR)	SAR submitted within 270 days of executing BSRA.	Within 60 days of receipt.
Risk Assessment Report (RAR)	Optional: (within 60 days of SAR approval.)	Within 90 days of receipt.
No Further Action (NFA) Proposal	When the site meets the criteria for NFA (See Rule 62-780.680, F.A.C.).	Within 60 days of receipt.
Well Survey and Sampling Results pursuant to paragraph 62-780.600(3)(h), F.A.C.	Within 60 days of discovery of contamination beyond the property boundaries	Within 60 days of receipt.
Natural Attenuation with Monitoring (NAM) Plan	When the site meets the criteria for Natural Attenuation with Monitoring (See Rule 62-780.690, F.A.C.).	Within 60 days of receipt.
Natural Attenuation with Monitoring (NAM) Report	Within 60 days of sample collection.	No comment required.
Remedial Action Plan (RAP)	Within 90 days of approval of a SRP, SAR or RAR.	Within 60 days of receipt.
As-Built Drawings	Within 120 days of initiating operation of the active remediation system.	No comment required.
Initiate Operation of Active Remedial Action	Within 120 days of RAP approval.	No comment required.
Proposals submitted pursuant to subsection 62-780.700(14), F.A.C.	Optional during active remediation	Within 60 days of receipt
Remedial Action Status Report (Monthly or quarterly status reports may be required for submittal - - depending on site conditions and Advisory Committee.)	Within 60 days of the anniversary date of initiating operation of active remediation system.	No comment required.
Post Active Remediation Monitoring (PARM) Plan	When the site meets the criteria for NFA (see Rule 62-780.680) or Leveling-Off [see Rule 62-780.700(18)]	Within 60 days of receipt.

Type of Report or Activity	PRFBSR Action or Submittal Time Frames	Department Review or Comment Time frames
Post Active Remediation Monitoring (PARM) Report	Within 60 days of sample collection.	No comment required.
Leveling Off Determination	Within 60 days of sample collection.	Within 60 days of receipt.
Post Active Remediation Monitoring (PARM) Plan resampling proposal (Rule 62-780.750(4)(e), F.A.C.	Within 60 days of sample collection.	Within 60 days of receipt.
Site Rehabilitation Completion Report (SRCR)	Within 60 days of the final sampling event. If SRCR not approved then submit modifications, etc., within 60 days of Department's response.	Within 60 days of receipt. If the brownfield site meets the requirements of Chapter 62-780, F.A.C., for the issuance of an SRCO, then an SRCO will be issued.
Pilot Study Work Plan	When seeking approval before implementation of a Pilot Study pursuant to Rule 62-780.700(2), F.A.C.	Within 60 days of receipt.
Notices for Field Activities except for Start of Interim Source Removal or Emergency Response Action situations.	Within seven (7) days but not less than 24 hours prior notice to the Department to perform field activity.	No comment required.
Submittal to the Department of addenda, responses, or modification to plans or reports, pursuant to Chapter 62-780, F.A.C.	Within 60 days of receipt of the Department's response.	Within the same time frame for review of the original submittal.
Submittal of Form and Actual Notice required in subsection 62-780.220(2), F.A.C.	See text of rule for "Initial Notice of Contamination Beyond Property Boundaries" in subsection 62-780.220(2), F.A.C.	No comment required.
Submittal of Actual and Constructive Notice required in subsection 62-780.220(3), F.A.C.	See text of rule for "Subsequent Notice of Contamination Beyond Source Property Boundaries for Establishment of a Temporary Point of Compliance (TPOC)" in subsection 62-780.220(3), F.A.C.	No comment required.
Submittal of Notice required in subsection 62-780.220(7), F.A.C.	See text of rule for requirement that PRFBSR provide notice of Department's intent to approve site closure using institutional controls, institutional and engineering controls, or alternative cleanup target levels.	No comment required.

Attachment C

**SITE ACCESS AGREEMENT
PERMISSION TO ENTER PROPERTY
BROWNFIELDS REDEVELOPMENT PROGRAM**

1. LW Industrial, LLC the real property owner (“undersigned” or “owner”), hereby grants permission to the State of Florida, Department of Environmental Protection (“Department”) and its agents and subcontractors to enter the undersigned’s property (“the property”) located at 2209 7th Avenue North, Lake Worth Beach, Florida 33461, Parcel Control Number 38-43-44-20-01-066-0010 as described in **Attachment A** attached to the Brownfield Site Rehabilitation Agreement (“BSRA”) for the brownfield site assigned the Brownfield Site Identification Number **BF500901001**, beginning on the date of execution of the BSRA and ending on such date as deemed appropriate by the Department or the successful completion of the BSRA, whichever occurs first.
2. This permission is contemplated to be used for the following activities that may be performed by the Department, its agents, representatives or subcontractors:
 - a. Having access to areas where contamination may exist.
 - b. Investigation of soil and groundwater including, but not limited to, the installation of groundwater monitoring wells, the use of geophysical equipment, the use of an auger for collection of soil and sediment samples, the logging of existing wells, videotaping, preparation of site sketches, taking photographs, any testing or sampling of groundwater, soil, surface water, sediments, air, and other materials deemed appropriate by the Department and the like.
 - c. Removal, treatment and/or disposal of contaminated soil and water, which may include the installation of recovery wells or other treatment systems.
3. Upon completion of the investigation, the Department will restore the property as near as practicable to its condition immediately prior to the commencement of such activities.
4. The granting of this permission by the undersigned is not intended, nor should it be construed, as an admission of liability on the part of the undersigned or the undersigned’s successors and assigns for any contamination discovered on the property.
5. The Department, its agents, representatives or subcontractors may enter the property during normal business hours and may also make special arrangements to enter the property at other times after agreement from the undersigned.
6. The Department acknowledges and accepts any responsibility it may have under applicable law (Section 768.28, Florida Statutes) for damages caused by the acts of its employees acting within the scope of their employment while on the property.
7. In exercising its access privileges, the Department will take reasonable steps not to interfere with the Owner’s operations, or the remediation and redevelopment activities pursuant to the BSRA.

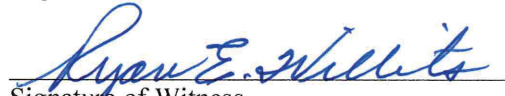


Signature of Real Property Owner

Print Name: Bill Cuthbertson, Registered Agent, LW Industrial, LLC

Title, if applicable Manager

12/12/2020
Date



Signature of Witness

Print Name: RYAN E. WILLITS

12/12/2020
Date

Site Access Agreement
Brownfield Site ID #: BF500901001
December 12, 2020
Page 2 of 2

Accepted by the Department by the following authorized agent:



Signature of Department representative

Print Name: Jason Andreotta

District Director

Title of Department representative

12-28-2020

Date



Signature of Witness

Print Name: Vanessa Osobrne

12-28-2020

Date

Attachment D



DEPARTMENT FOR COMMUNITY SUSTAINABILITY
Planning Zoning Historic Preservation Division
1900 2ND Avenue North
Lake Worth Beach, FL 33461
561-586-1687

October 5, 2020

Mr. Chris Burroughs, P.G.
Brownfields Coordinator, FDEP Southeast District
3301 Gun Club Road, MSC 7210-1
West Palm Beach, Florida 33406

Re: Brownfield Site Rehabilitation Agreement for Property Located at 2209 7th Avenue N., Lake Worth Beach, Florida 33461 (the "Subject Property"); Located in Greater Lake Worth Park of Commerce Brownfield Area, BF500901000

Dear Mr. Burroughs:

The City of Lake Worth Beach (the "City") has been advised by Umdasch Real Estate USA, Ltd. ("Umdasch"), that it intends to enter into a Brownfield Site Rehabilitation Agreement with the Florida Department of Environmental Protection for rehabilitation and redevelopment of the Subject Property. The Subject Property is located in the Greater Lake Worth Park of Commerce Area, which the City designated as a brownfield area through Resolution Number 03-2009, approved on March 3, 2009.

Representatives for Umdasch have further advised the City that it intends to redevelop the Subject Property for uses that include the storage, repair and rental of construction equipment. The Subject Property is currently zoned I-POC with a future land use designation of Industrial and is located in an area of the City with harmonious uses. In concept, the City is supportive of this redevelopment; nevertheless, Umdasch will be required to continue working with the City to obtain all of the necessary and applicable land use, design, and construction approvals, permits, and licenses.

As of this week, representatives from DOKA have submitted a major site plan and conditional use application to the city for review and processing. It is anticipated that the application will go before the City's Planning & Zoning Board in December for entitlement approvals.

If you have questions or require additional information, please contact William Waters, Director, at wwaters@lakeworthbeachfl.gov (561-586-1634) or Erin Fitzhugh Sita, Assistant Director at esita@lakeworthbeachfl.gov (561-586-1617).

Sincerely,

A handwritten signature in black ink, appearing to read "W. Waters", is written over a light blue grid background.

Digitally signed by
William Waters
Date: 2020.10.05
13:43:17 -04'00'

William Waters, AIA, NCARB, LEED AP BD+C, ID
DCS Director

cc: Umdasch Real Estate USA, Ltd.

Attachment E

CONTRACTOR CERTIFICATION FORM Brownfields Redevelopment Program

Contractor Name Langan Engineering and Environmental Services, Inc. Date: September 17, 2020

Contractor Address: 110 E Broward Blvd., Suite 1500, Fort Lauderdale, FL 33301

Contact Name: Manivannan Nagaiah, P.E.

Phone No.: (954) 320-1212 Fax No.: (954) 320-2101

Brownfield Site ID #: BF500901001

CONTRACTOR CERTIFIES BY CHECKING ALL APPROPRIATE BOXES:	YES	NO
1. It meets all certification and license requirements imposed by law.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. It performs or contracts laboratory analysis pursuant to National Environmental Laboratory Accreditation Program certification requirements and performs or contracts field-sampling work in accordance with the Standard Operating Procedures for Field Activities pursuant to Chapter 62-160, Florida Administrative Code.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. It complies with all applicable OSHA regulations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Has the capacity to perform the majority of the site rehabilitation program tasks pursuant to a brownfield site rehabilitation agreement or supervise the performance of such tasks by licensed subcontractors in accordance with Section 489.113(9), Florida Statutes (F.S.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The person named below by signing as an "Officer of the Company" hereby certifies to the Florida Department of Environmental Protection (FDEP) that the Contractor named above meets the requirements for contractors participating in the Brownfields Redevelopment Program [Section 376.80(6), F.S.]:

 9/17/2020 WILLIAM P. KRAEMEL
Signature of Officer of the Company and Date Signed Print Name of Officer of the Company

Treasurer
Title of Officer of the Company

Contractors must immediately notify the FDEP (Brownfields District Coordinator, delegated local program) of any change in the above criteria. The FDEP may order a suspension or cessation of work for failure of a contractor to maintain their required certification.

Attachment F



State of Florida
 Department of Health, Bureau of Public Health Laboratories
 This is to certify that

E83079

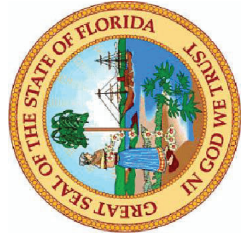
PACE ANALYTICAL SERVICES, LLC - ORMOND BEACH FL
 8 EAST TOWER CIRCLE
 ORMOND BEACH, FL 32174

has complied with Florida Administrative Code 64E-1,
 for the examination of environmental samples in the following categories

- DRINKING WATER - GROUP I UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP II UNREGULATED CONTAMINANTS, DRINKING WATER - OTHER REGULATED CONTAMINANTS, DRINKING WATER - GROUP III UNREGULATED CONTAMINANTS, DRINKING WATER - MICROBIOLOGY, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, DRINKING WATER - RADIOCHEMISTRY, DRINKING WATER - SYNTHETIC ORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - MICROBIOLOGY, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - VOLATILE ORGANICS, BIOLOGICAL TISSUE - METALS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2020 Expiration Date: June 30, 2021




 Patty A. Lewandowski, MBA, MT(ASCP)
 Chief Bureau of Public Health Laboratories
 DH Form 1697, 7/04
 NON-TRANSFERABLE E83079-79-07/01/2020
 Supersedes all previously issued certificates

Attachment G

Advisory Committee Members

Ellen Smith

Waste Management Inc. of Florida
Representative of Business Operating in the Brownfield Area
2700 North West 48th Street
Coconut Creek, FL 33073
(561) 312-0000
esmith13@wm.com

Gary Hines

Business Development Board of Palm Beach County
Local Government Official
310 Evernia street
West Palm Beach, FL 33401
(561) 835-1008
ghines@bdb.org

William Waters, AIA, NCARB, LEED AP BD+C, ID, SEED

Community Sustainability Director, City of Lake Worth Beach
Local Government Official
1900 Second Avenue North
Lake Worth Beach, FL 33461
(561) 586-1634
wwaters@lakeworthbeachfl.gov

Attachment H

ATTACHMENT H - - FORMAT FOR SUBMITTAL OF TECHNICAL DOCUMENTS

1. One hard copy or one electronic copy of each report or proposal and final reports shall be submitted to the Department or to the delegated local program.
2. Where an electronic format exists of the records it shall be used to transmit the data, file, report, document, map, plans, picture, record, or any other object that may be available in an electronic format. Electronic records shall be kept in industry standard non-proprietary formats: TIFF, GIF, JPEG, PDF, or in Microsoft Word, Microsoft Excel, and Microsoft Access not older than one (1) release behind the current.
3. Data requested shall be transmitted using available media such as E-mail, Compact Disc (CD), or File Transfer via an FTP site. Additional formats may be considered at the time of the request.
4. After final approval of each report, an electronic copy and one hard copy shall be submitted within 30 days.
5. The media shall include a file directory and specify the “naming convention”.
 - (a) Final reports (any text files) must be in one of the approved formats.
 - (b) Site maps and surveys shall be in TIFF, JPEG or “.pdf” format.
 - (c) Site-specific GIS data tables shall be in Excel or text (tab delimited) format.
 - (d) The cover of the media shall include the Site Name, Designated Brownfield Area, Date and Type of Report(s).
 - (e) The left inside cover of the media should list all the files located on the media.