

CITY OF LEEDS, ALABAMA PLANNING AND ZONING COMMISSION AGENDA

1412 9th St - Annex June 23, 2022 @ 5:00 PM

CALL TO ORDER:

ROLL CALL:

DETERMINATION OF QUORUM:

APPROVAL OF MINUTES FROM PREVIOUS MEETING(S):

OLD BUSINESS:

NEW BUSINESS:

- SA22-000008 A request by Christal Grammer, applicant, Rivertron Investment Realty Realty, LLC, for a preliminary plat approval for Parkstone Meadows S/D - 39 lots - subject to the rezoning of property.
- 2. RA22-000002 Planning and Zoning Commission to modify the R-5 Garden Home District Use regulations and delete the R-6, Patio Home District.

PUBLIC ADDRESS:

OTHER BUSINESS:

CHAIRPERSON'S COMMUNICATION:

ADJOURNMENT:

In compliance with the Americans with Disabilities Act, those requiring accommodation for Council meetings should notify the City Clerk's Office at least 24 hours prior to the meeting at 205-699-2585.

File Attachments for Item:

1. SA22-000008 - A request by Christal Grammer, applicant, Rivertron Investment Realty Realty, LLC, for a preliminary plat approval for Parkstone Meadows S/D - 39 lots - subject to the rezoning of property.

³OTICE OF PUBLIC HEARING

City of Leeds, Alabama

Planning and Zoning Commission

Application for Subdivision PARKSTONE MEADOWS SUBDIVISION - CONCURRENT W/REZONING

APPLICATION

An application for subdivision plat approval has been filed with the City of Leeds Planning and Zoning Commission for "PARKSTONE MEADOWS SUBDIVISION". This proposed subdivision consists of 39.

PLANNING AND ZONING COMMISSION

The Planning and Zoning Commission is vested with the responsibility and authority of determining conformity with the City of Leeds Subdivision Regulations

CASE #:	SA22-000008
APPLICANT NAME:	Christal Grammer
PROPERTY OWNER:	Riverton Investment Realty LLC
TAX PARCEL ID#S:	2500204002020000
CASE ADDRESS:	1198 MAPLEWOOD DR; LEEDS, AL 35094

NOTICE IS HEREBY GIVEN that the Planning and Zoning Commission will hold a public hearing on the proposed preliminary plat. The hearing is scheduled on.

Date:	06/23/2022
Time:	5:00 p.m.
Place:	Leeds Annex Meeting Room
	1412 9th St
	Leeds, AL 35094

Public Information: Any interested persons or their representative may appear at the meeting and comment on the application. Written comments may also be mailed to the Commission.

For more information about the application and related issues or to schedule an appointment:

Contact Person: Brad Watson

E-mail: development@leedsalabama.gov

Phone: 205-699-0907

Mailing Address:

City of Leeds Planning and Zoning commission 1404 9th Street Leeds, AL 35094 NOTES:

4

(1) THIS PROJECT IS TO BE BUILT IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS OF THE CITY

- OF LEEDS. CONTRACTOR SHALL NOTIFY CITY ENGINEER OF LEEDS BEFORE BEGINNING CONSTRUCTION.
- (2) UTILITY CONTRACTOR SHALL OBTAIN PERMIT FROM CITY OF LEEDS BEFORE INSTALLING UTILITIES. (3) WATER FOR THIS PROJECT WILL BE FURNISHED BY THE LEEDS WATER BOARD.
- (4) UTILITY LOCATIONS ARE FROM UTILITY COMPANY RECORDS AND ARE APPROXIMATE.
- UTILITY LINES SHOULD BE FIELD CHECKED BEFORE BEGINNING ANY CONSTRUCTION. (5) THE NUMBER, LOCATION AND SPACING OF FIRE HYDRANTS SHALL BE IN ACCORD WITH THE
- RECOMMENDATIONS OF THE CITY ENGINEER AND\OR FIRE CHIEF.
- (6) ALL EASEMENTS SHOWN IN THIS SUBDIVISION ARE TO SERVE PUBLIC UTILITIES, SANITARY AND STORM SEWERS, AND DRAINAGE DITCHES BOTH WITHIN AND WITHOUT THIS SUBDIVISION.
- (7) ALL TRAFFIC CONTROL SIGNS AND PAINT STRIPING ARE TO BE FURNISHED AND INSTALLED
- BY THE DEVELOPER.

(8) ALL TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL BE IN ACCORDANCE WITH THE MOST CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY. (9) ALL ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE SO AS TO MINIMIZE THE AREA OF EXPOSED SOIL AT ONE TIME. (10) ANY SEDIMENT REACHING THE ROADWAY SHALL BE REMOVED BY STREET CLEANING, NOT BY FLUSHING, BEFORE THE END OF EACH DAY.

- (11) CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.
- (12) JOB SAFETY IS THE SOLE RESPONSIBLITY OF THE CONTRACTOR. (13) STONE BACKFILL SHALL BE USED THE FULL DEPTH OF TRENCH UNDER ALL PAVEMENT IN ROW ONLY.
- (14) CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION & MAINTANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROÁDWAYS AND WATERWAYS. (15) CONTRACTOR AND DEVELOPER RESPONSIBLE FOR PROVIDING A BUILDING SITE FREE OF DRAINAGE PROBLEMS. (16) CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A PROPER TRAFFIC CONTROL PLAN FOR PUBLIC SAFETY ADJACENT TO CONSTRUCTION SITE. THE TRAFFIC CONTROL PLAN SHALL
- BE IN ACCORDANCE WITH AMUTCD. LATEST EDITION. (17) NO SUBSURFACE INVESTIGATION HAS BEEN DONE BY MTM ENGINEERS, INC. A GEOTECHNICAL ENGINEER SHOULD REVIEW THE SITE BEFORE BEGINNING CONSTRUCTION. (18) ALL EXISTING UTILITIES APPURTENANCES, DRAINAGE STRUCTURES AND ACCESSORIES SHOULD BE DETERMINED TO MAINTAIN MINIMUM COVERAGE (19) ALL DISTURBED AREAS TO BE SEEDED OR SODDED PER LATEST AL DOT SPECIFICATIONS FOR GRASSING OR LANDSCAPED PER LANDSCAPE PLAN.
- (21) SEWER LINE CONSTRUCTION SHALL COMPLY WITH JEFFERSON COUNTY HEALTH DEPT REGULATIONS AND SPECIFICATIONS.
- (22) DATUM IS U.S.G.S. JEFF. CO. SUPPLIED TOPO.
- (23) CONTOUR INTERVAL IS ONE FOOT.
- (24) SITE BENCHMARK IS CRIMP IRON AT SE CORNER OF PROPERTY. ELEV = ELEVATION = 599.28 (25) BOUNDARY OF PHASE IV CLOSES 1 IN 10000 MEETING 3RD ORDER ACCURACY.

(20) WATER MAINS SHALL MEET ALL STANDARDS AND SPECIFICATIONS OF LEEDS WATER WORKS.

- (26) There are no wooded areas, wetlands, unstable soils or slopes and any other adverse condition affecting the site
- **B.** There are no wooded areas, wetlands, unstable soils or slopes and any other adverse conditions affecting the site.
- C. Site Assement: (a) geologic formations - None
- b) soils classifications See Index at right) colluvium – None
- l) bluffs None
-) sinkholes None caves — None
-) landslides (active and inactive) None (h) lineaments – None
- (A) springs None
- seeps None
- streams (perennial, intermittent, wet weather) None (k) wetlands - None
- Groundwater recharge points None vegetative communities, including the five most abundant tree and floral species for each community, in order of abundance and including the approximate age of each community. See table at right
- (o) endangered and threatened species as determined by the US Fish and Wildlife Service None) evidence of recent or ancient guarry operations - None
-) spoils areas— None
- dump sites (active, inactive, or covered/reclaimed)- None (s) existing fills and excavations- None
- D.There are wetlands, unstable soils or slopes and any other adverse condition affecting the site.
- E. Site Assement:
- (a) geologic formations None soils classifications — See Index at right
- colluvium None) bluffs – None
- (e) sinkholes None
- caves None landslides (active and inactive) — None
-) lineaments None
- 3) springs None seeps – None
- streams (perennial, intermittent, wet weather) None
- (k) wetlands None Groundwater recharge points — None
- vegetative communities, including the five most abundant tree and floral species for each community, in order of abundance and including the approximate age of each community. See table at right (o) endangered and threatened species as determined by the US Fish and Wildlife Service - None
- evidence of recent or ancient quarry operations None
-) spoils areas— None dump sites (active, inactive, or covered/reclaimed)- None
- existing fills and excavations— the streets and detention pond were graded in 2003.
- existing drainage retention and detention areas— See Sheet # 9 (u) wells, whether active or inactive, open or closed storage tanks, regardless of contents, both above ground and underground-None
- Site assessment map
- (a) Joseph A. Miller, III, PE/LS 17054, Observed during site walk through for items a-u
- (b) Soils types by graphic plotting from Soils Conservation Service Map: Bodine-Fullerton association, steep
- No other findings

(d)There are no adverse effects from items a-u. (e)There are no adverse effects from items a-u.

(f) 20' Required front and 30'rear

G. Site Information:

Site acreage = 18.73 Acres Smallest lot = 6000 sf / 0.15 acre 39 lots 1712 LF streets

9 The entire site soils type : Fullerton-Bodine complex, 8 to 12 percent slopes

Vegative communities

- 1. Pine trees over 6" in diameter = 155 , age 15 years 2. Clusters of mimosa trees over 6" in diameter = 43, age 15 years
- 3. Oak trees over 6", larger ones 15-24" in diameter = 10, age 150 years
- Oak trees 6"-12" in diameter = 25, age 50 years 4. Sweetgum Trees 6" in diameter = 20, age 15 years
- 5. Elm Trees, 6" in diameter = 8, age 15 years

Flowers : No flowers were observed.

Note

1. No part of this subdivisions subtending land falls within 200 ft. of any Gas Transmission Pipeline or Fiber optic trunk line.

All easements shown on this map are for public utilities, storm sewers, sanitary sewers, open storm sewer ditches and may be used for such purposes to serve both within and without this subdivision

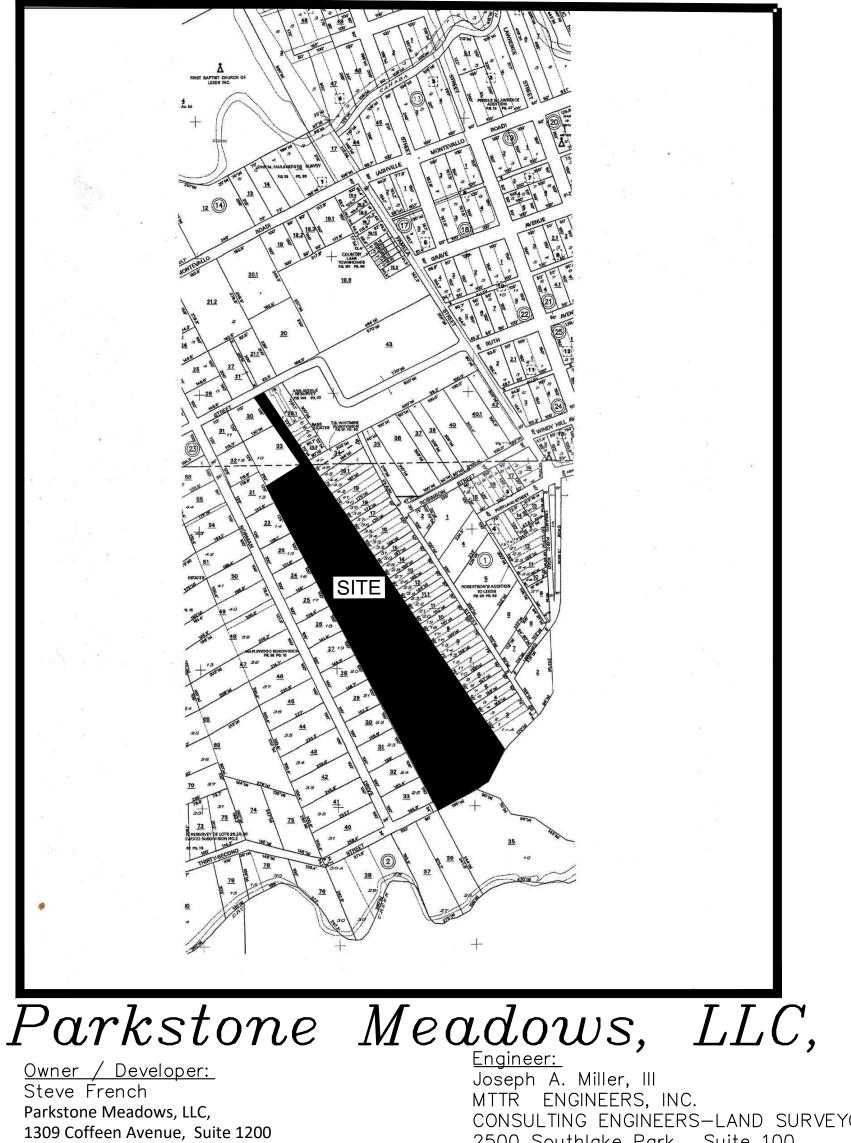
PRELIMINARY PLAN AND CONSTRUCTION PLAN

PARKSTONE MEADOWS

A PROPOSED SINGLE FAMILY RESIDENTIAL DEVELOPMENT

39 LOTS ZONED R-5 CITY OF LEEDS, JEFFERSON COUNTY, ALABAMA MARCH 10th, 2022

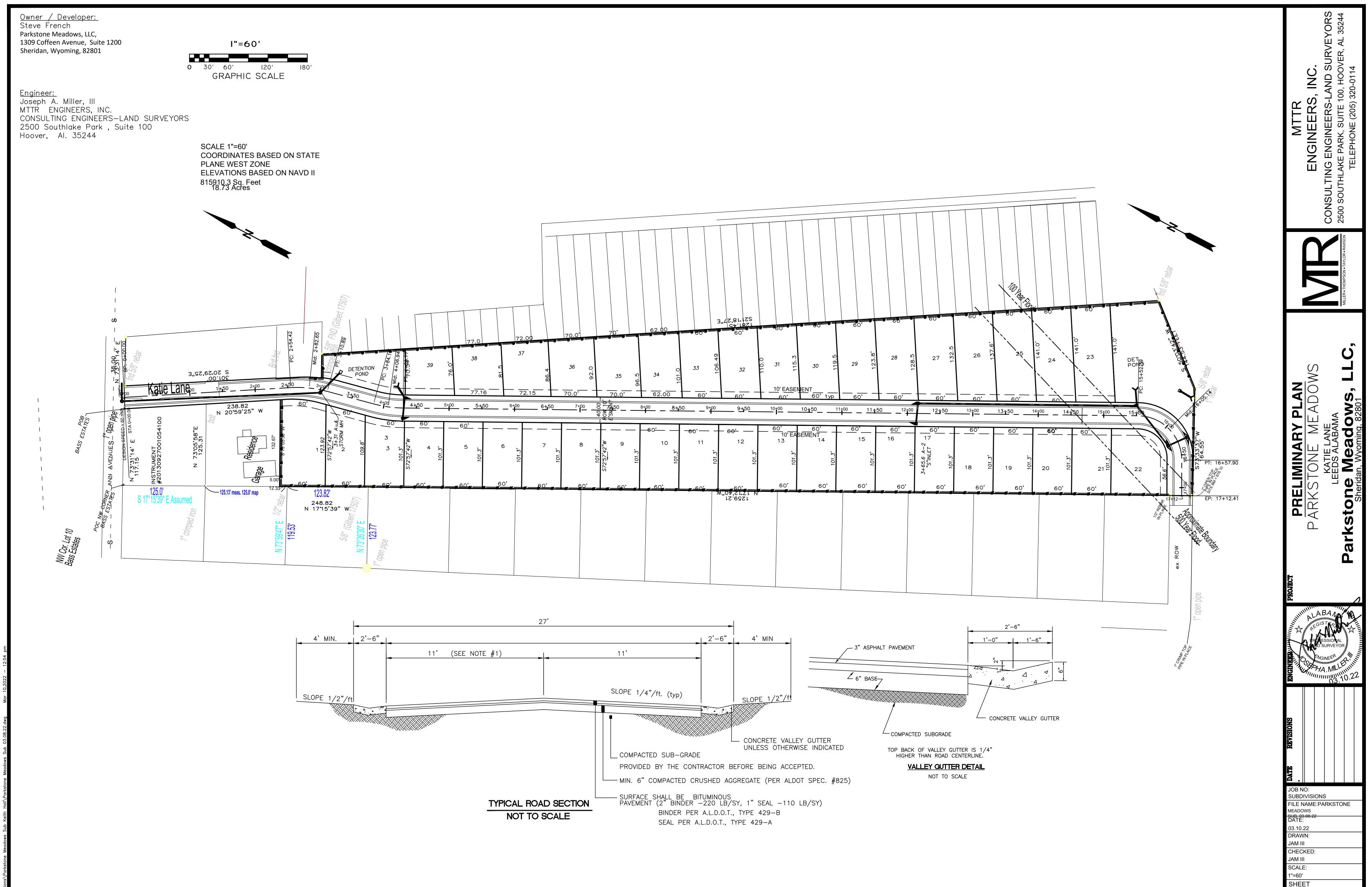
PARKSTONE MEADOWS VICINITY MAP (nts)

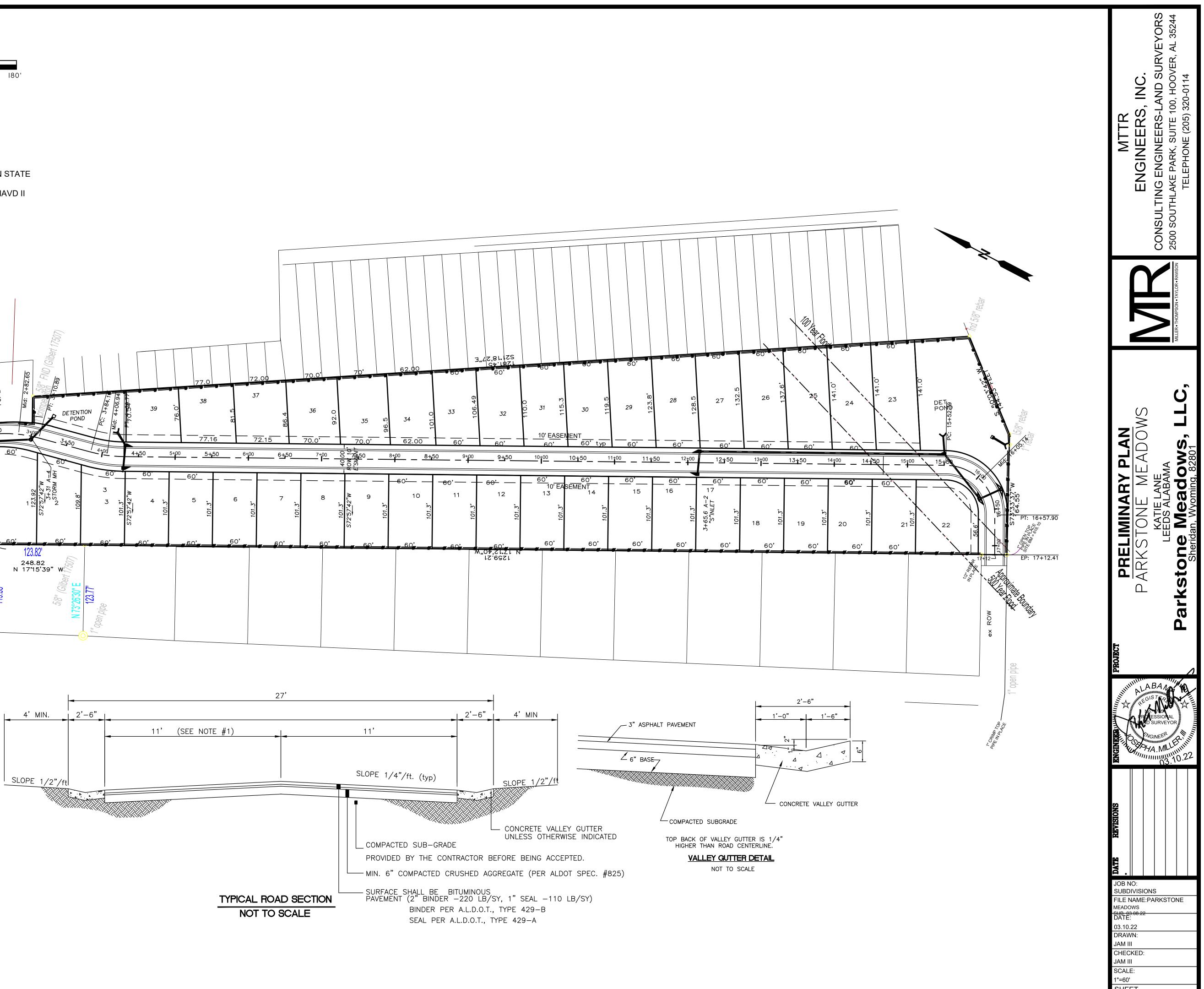


Sheridan, Wyoming, 82801

- INSTALL SILT FENCES ALONG THE SIDE SLOPE AND DOWN-SLOPE BOUNDARIES OF THE PROPERTY. 2. PROTECTION STORM DRAIN INLETS DOWN STREAM OF CONSTRUCTION FOR INDIVIDUAL LOTS WITH HAY BARRIER AND/OR OTHER PROTECTIVE MEASURES.
- CLEARING AND GRUBBING AS REQUIRED.
 APPLY STONE TO DRIVE WAY TO STABILIZE ENTRANCE TO LOT.
- 5. INSTALL SILT FENCE AROUND STOCKPILES SOIL. CONSTRUCT ROADS, INFRASTRUCTURE, GRADING FOR HOUSE SITES.
- TEMPORARILY OR PERMANENTLY STABILIZE STRIPPED AREAS AND STOCKPILES WITHIN 13 DAYS OF LAST CONSTRUCTION ACTIVITY IN THAT AREA.
- 8. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTINGS. 9. COMPLETE FINAL PAVING FOR ROADS
- 10. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE, REMOVE SILT FENCE AND RESEED ANY BARE SPOTS OR WASHOUTS.
- 2. ALL CONSTRUCTION SHALL BE DONE IN A LOGICAL SEQUENCE SO TO MINIMIZE THE AREA SOIL AT ANY ONE TIME. 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS. NO WORK IS TO BEGIN UNTIL COPIES OF ALL REQUIRED PERMITS IS FURNISHED TO TH 5. THE CONTRACTOR IS TO INSTALL ALL EROSION CONTROL DEVICES BEFORE ANY CONSTRU-SUCH DEVICES SHALL BE INSPECTED AFTER EVERY 0.50" RAINFALL AND BE REPAIRED UNTIL ALL CONSTRUCTION IS COMPLETED.
- 6. ALL DISTURBED GROUND LEFT INACTIVE FOR 13 OR MORE DAYS SHALL BE STABILIZED SODDING. 7. ANY SEDIMENT REACHING THE ROADWAY SHALL BE REMOVED BY STREET CLEANING, AND
- BEFORE THE END OF EACH DAY. 8. ALL DISTURBED SHALL BE SEEDED & MULCHED AS PER AL. D.O.T. STANDARDS AND SPE
- LANDSCAPED.

ONSTRUCTION PLANS FOR	C. SURVEYORS OVER, AL 35244
ONE MEADOWS	MTTR GINEERS, IN INGINEERS-LAND PARK, SUITE 100, HC EPHONE (205) 320-01
RESIDENTIAL DEVELOPMENT 15 OUNTY, ALABAMA 122	EN CONSULTING E 2500 SOUTHLAKE F TELE
MEADOWS INDEX TO SHEETS	ON • TAYLOR • RAWSON
ST SHEET NO. TITLE T TITLE SHEET O1 PRELIMINARY PLAN O2 GRADING PLAN O3 WATER MAIN EXTENSION 04 KATTE PLAN AND PROFILE STREET 05 SANITARY SEWER PLAN AND PROFILES 06 SANITARY SEWER PLAN AND PROFILES 07 SANITARY SEWER PLAN AND PROFILES 08 STREET 09 DETENTION PONDS 09 DETENTION PONDS 10 DETAILS 11 DETAILS 12 SITE ASSESSMENT MAP 13 BMP NOTES DETAILS 15 BMP NOTES DETAILS	MITLE SHEET PARKSTONE MEADOWS RATE LANE KATE LANE LEEDS ALABAMA LEEDS ALABAMA Sheridan, Wyoming, 82801 Sheridan, Wyoming, 82801
Site Breakdown: Site acreage = 18.73 Acres Smallest lot = 6000 sf / 0.15 acre 39 lots 1712 LF streets	ALABAA AL
Joseph A. Miller, III MTTR ENGINEERS, INC. CONSULTING ENGINEERS—LAND SURVEYORS 2500 Southlake Park , Suite 100 Hoover, AI. 35244 1. EROSION CONTROL MEASURES ARE TO BE ACCOMPUSHED PRIOR TO ANY OTHER CONSTRUCTION ON THE JOB SITE AND MAINTAINED UNTIL PERMENANT GROUND COVER IS ESTABLISHED. 2. ALL CONSTRUCTION SHALL BE DONE IN A LOGICAL SEQUENCE SO TO MINIMUZE THE AREA OF EXPOSED SOLL AT ANY ONE TIME. 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHAINED FEMALES. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMINS. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED PERMINS. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY.	SNOT SUBDIVISIONS FILE NAME:PARKSTONE MEADOWS SUB. 03.08.22 DATE: 03.10.22 DRAWN: JAM III CHECKED: JAM III SCALE:
 UNTIL ALL CONSTRUCTION IS COMPLETED. 6. ALL DISTURBED GROUND LEFT INACTIVE FOR 13 OR MORE DAYS SHALL BE STABILIZED BY SEEDING, OR SODDING. 7. ANY SEDIMENT REACHING THE ROADWAY SHALL BE REMOVED BY STREET CLEANING, AND NOT BY FLUSHING, BEFORE THE END OF EACH DAY. 8. ALL DISTURBED SHALL BE SEEDED & MULCHED AS PER AL. D.O.T. STANDARDS AND SPECIFICATIONS OR LANDSCAPED. 	SCALE: 1"=60' SHEET





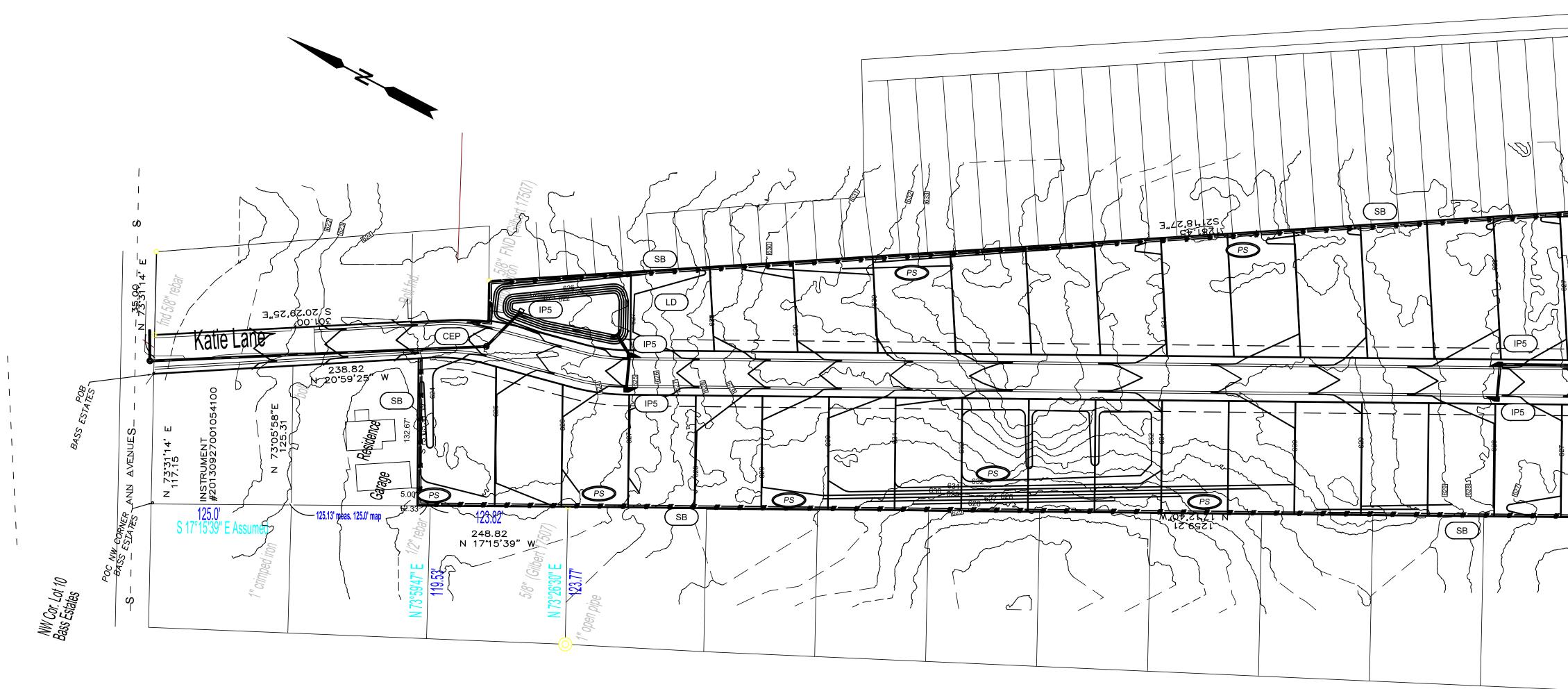
<u>Owner / Developer:</u> Steve French Parkstone Meadows, LLC, 1309 Coffeen Avenue, Suite 1200 Sheridan, Wyoming, 82801

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I"=60'

0 30' 60' 120' GRAPHIC SCALE 180'

<u>Engineer:</u> Joseph A. Miller, III MTTR ENGINEERS, INC. CONSULTING ENGINEERS-LAND SURVEYORS 2500 Southlake Park , Suite 100 Hoover, Al. 35244



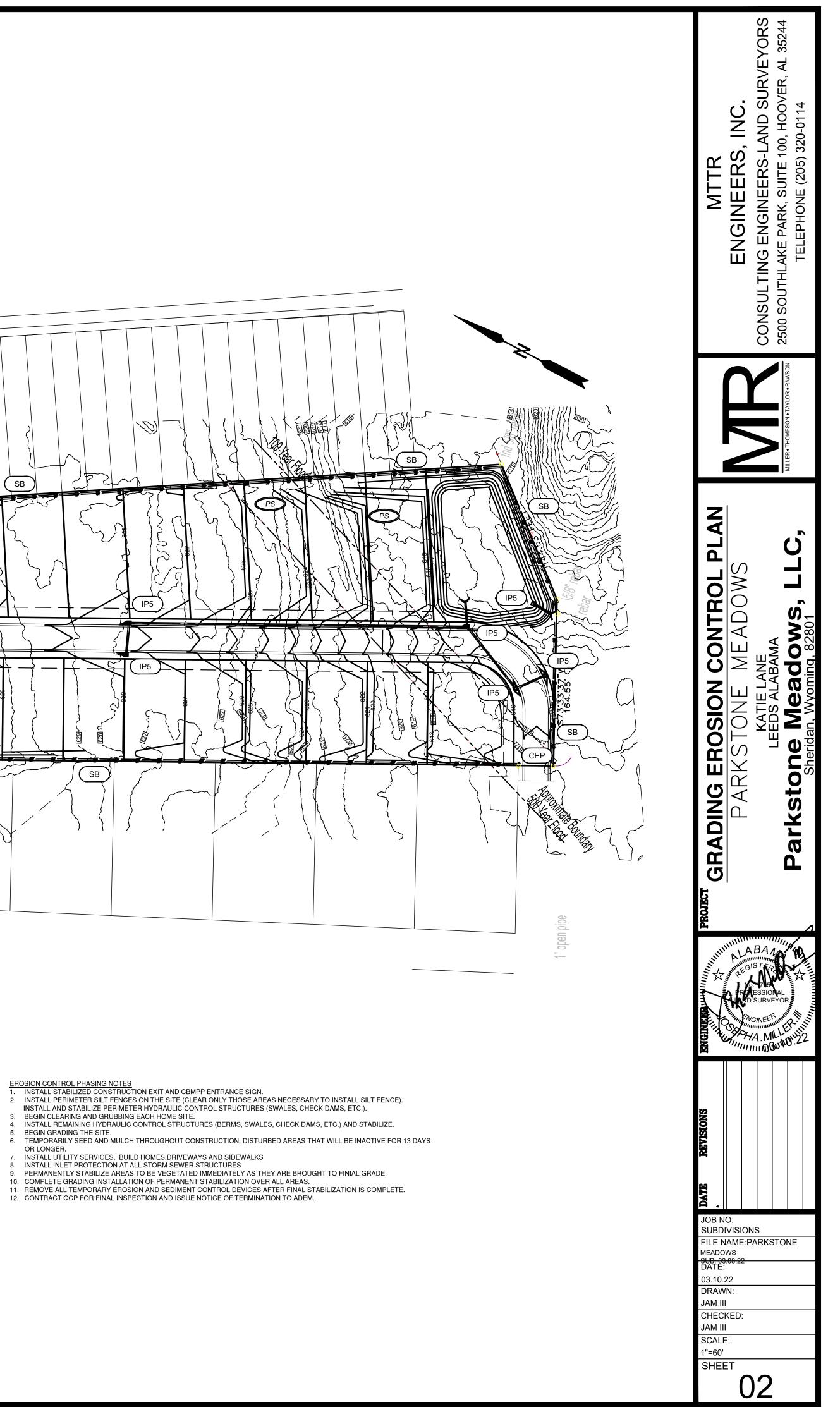
1.1	Project/Site Infor	mation		Γ	BMP	KEY NOTE
Project/Site Name	: Walnut Grove			-		
Project Street Loca	ation: Walnut Street					25' W X 50' L CONSTRUCTION EXIT
City: Leeds	State: Alabama	Zip Code: 35004	SE	_se	SB	2 ROWS
County: Jefferson	1				\bigcirc	SILT FENCE (TYPE A)
SIC Code: 1521	NAICS Coc	le: 236115		4	(IP5)	CURB INLET SEDIMENT FILTER
Total Disturbed Ac	cres: 1.5			F		
Latitude/Longitud	e of the Project Site (front ;	gate).		4		DOMED INLET PROTECTION
Latitude:	Lon	gitude:		-		
33°03'45.1″ N	8	6°32'18.3″ W		(ROCK CHECK DAM
Latitude/Longitud	e of the Project Site					
Latitu	de:	Longitude:			(CWA)	CONCRETE
Outfall - 33°03'45	.1″ N	86°32'18.3″ W				WASHOUT
Latitude/Longitud	e of the Project Site (discha	arge to UT of Dry Branch).				LAYDOWN
Latitude:	Lon	gitude:				AREA
33°53'56" N	86°.	32'49" W		L		
Latitude/Longitud	e of the Project Site (discha	arge to Dry Branch).				
Latitude:	Lon	gitude:			VEGET MEAS	
33°32'22.8" N	80	5°32'01.9" W		Γ		
Latitude/Longitude	e of the Project Site (discha	arge to Little Cahaba River).		(CODE PI	RACTICE
Latitude:	Lon	gitude:				ISTURBED AREA STABILIZATION
33°32'06.5″ N	80	5°33'44.8 W				VEGETATION VEGETATION)
Method for deterr	mining latitude/longitude:	USGS			DC	DUST CONTROL ON DISTURBED AREAS

1. USE MULCH FOR TEMPORARY STABILIZATION ON SLOPES < 15%. 2. USE TEMPORARY SEEDING FOR ALL OTHER AREAS REQUIRING TEMPORARY STABILIZATION.

- TEMP. SEEDING & MULCH NOTES:
- 4. REMOVE AND DISPOSE OF HARDENED CONCRETE AND RETURN THE CONCRETE WASHOUT TO A FUNCTIONAL CONDITION. ALL BERMS, SWALES, DITCHES SHALL BE SEEDED AND MULCHED
- INLET SEDIMENT FILTER. 3. CONCRETE WASHOUT SHALL BE INSTALLED BEFORE ANY CONCRETE WORK IS PREFORMED ON SITE.
- 1. SEE SHEETS 13, 14 &15 for CBMPP NOTES AND MAPS" FOR ADDITIONAL NOTES. 2. USE (IP7) FILTER DROP INLET PROTECTION UNTIL TOPS ARE PLACED ON INLETS THEN USE (IP5) CURB
- SHEET NOTES:
- CONSERVATION COMMITTEE FOR ADDITIONAL INFORMATION REGARDING BEST MANAGEMENT PRACTICES
- NOTE: SEE "ALABAMA HANDBOOK FOR EROSION CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS", LATEST EDITION, BY ALABAMA SOIL AND WATER



- EROSION CONTROL PHASING NOTES 1. INSTALL STABILIZED CONSTRUCTION EXIT AND CBMPP ENTRANCE SIGN.
- 3. BEGIN CLEARING AND GRUBBING EACH HOME SITE.
- 5. BEGIN GRADING THE SITE.
- OR LONGER.
- 7. INSTALL UTILITY SERVICES, BUILD HOMES, DRIVEWAYS AND SIDEWALKS 8. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES
- 10. COMPLETE GRADING INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
- 12. CONTRACT QCP FOR FINAL INSPECTION AND ISSUE NOTICE OF TERMINATION TO ADEM.



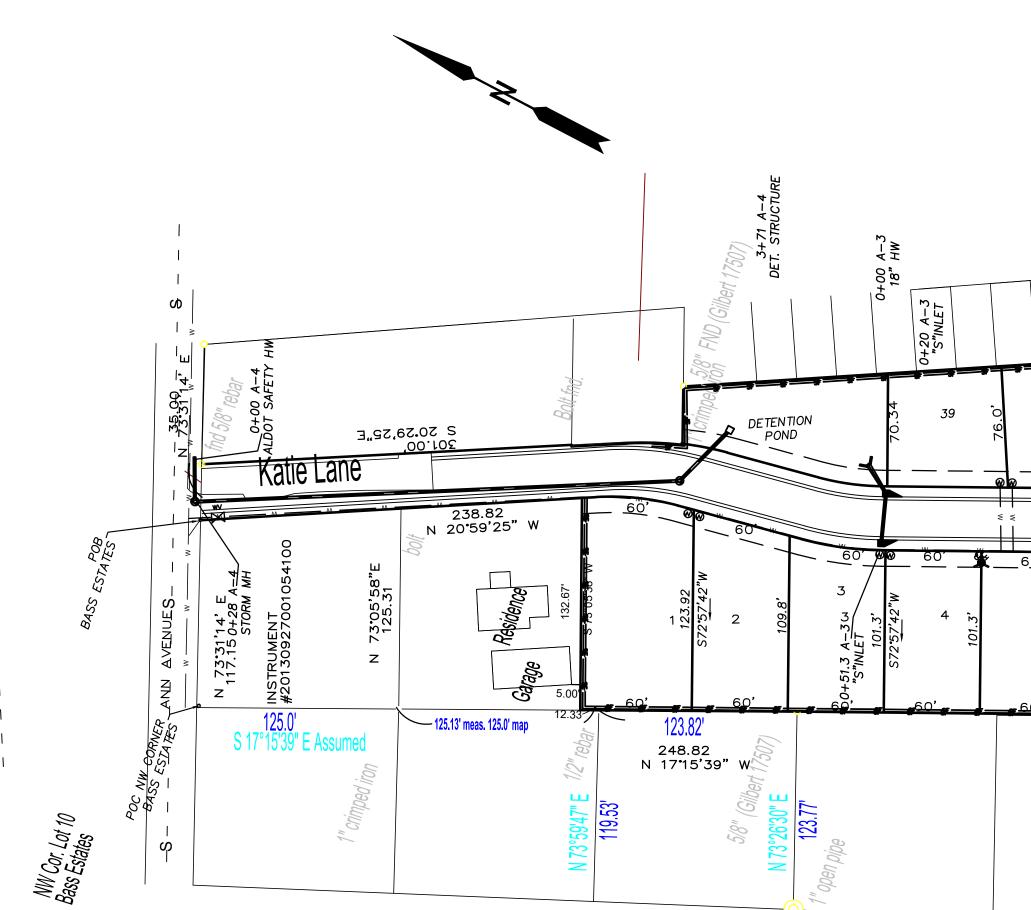
<u>Owner / Developer:</u> Steve French Parkstone Meadows, LLC, 1309 Coffeen Avenue, Suite 1200 Sheridan, Wyoming, 82801

7

I"=60'

0 30' 60' 120' 180' GRAPHIC SCALE

<u>Engineer:</u> Joseph A. Miller, III MTTR ENGINEERS, INC. CONSULTING ENGINEERS-LAND SURVEYORS 2500 Southlake Park , Suite 100 Hoover, Al. 35244



WATER LINE NOTES:

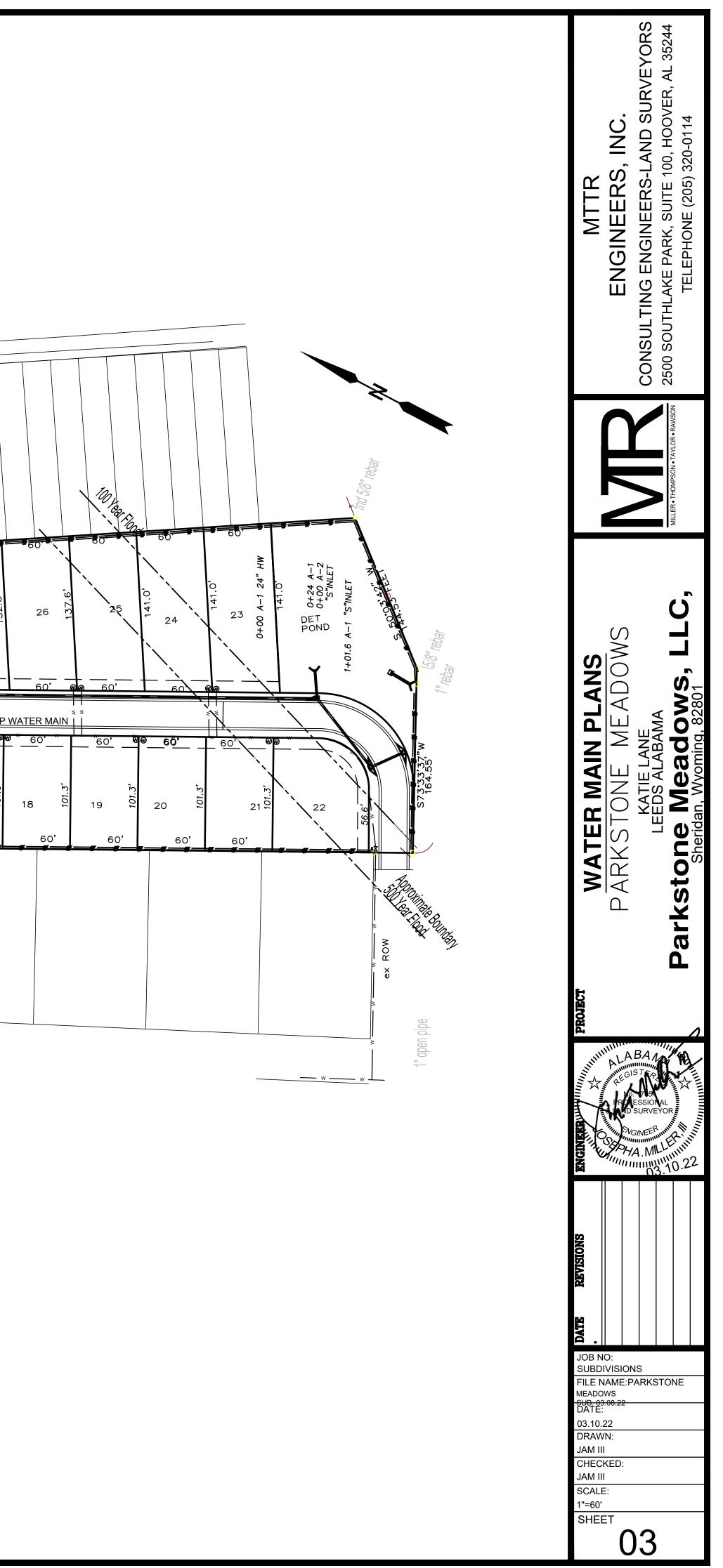
- (1) CITY OF LEEDS SPECIFICATIONS SHALL APPLY. (2) CONTRACTOR IS TO NOTIFY CITY OF LEEDS 72 HOURS BEFORE
- BEGINNING CONSTRUCTION. (3) CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS.
- (4) ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE CURRENT ALABAMA MANUAL OF UNIFORM
- TRAFFIC CONTROL DEVICES. (5) CONTRACTOR SHALL INSTALL EROSION CONTROL DEVICES BEFORE CONSTRUCTION BEGINS. SUCH DEVICES SHALL BE INSPECTED AND MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
- (6) JOB SITE SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. (7) THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE CITY
- OF LEEDS WATER DEPARTMENT. (8) ALL WATER MAINS SHALL BE PER LWWB REQUIREMENTS AND SPECS.
- (9) ALL SERVICE SHALL BE REHAU/MUNIPEX AND SHALL BE EXTEND PAST SIDEWALK.
- (10) FIRE HYDRANTS LOCATIONS SHALL BE DETERMINED BY THE CITY OF LEEDS FIRE CHIEF AND/OR CITY ENGINEER.
- (11) ALL FITTINGS TO BE LWWB REQUIREMENTS AND
- SPECIFICATIONS. (12) THE CONTRACTOR SHALL COORIDINATE ALL WORK WITH
- THE CITY OF LEEDS WATER DEPARTMENT. (13) ALL WATER LINES SHALL BE PRESSURE TESTED AND TEST REPORTS
- SHALL BE PRESENTED TO LWWB. (14) ALL VALVES SHALL HAVE VALVE BOXES INSTALLED. PVC, D.I. PIPE SHALL NOT BE USED AS VALVE BOXES.
- (15) ALL VALVES BOXES SHALL BE UNCOVERED, BROUGHT TO GRADE LEVEL AND CONCRETE COLLARS INSTALLED.
- (16) ALL FIRE HYDRANTS ON POTABLE WATER SYSTEM SHALL BE AT GRADE LEVEL.
- (17) ALL SERVICE LINES SHALL BE EXPOSED WITH 3" PVC AND EXTEND A MINIMUM 2 FEET ABOVE GRADE.

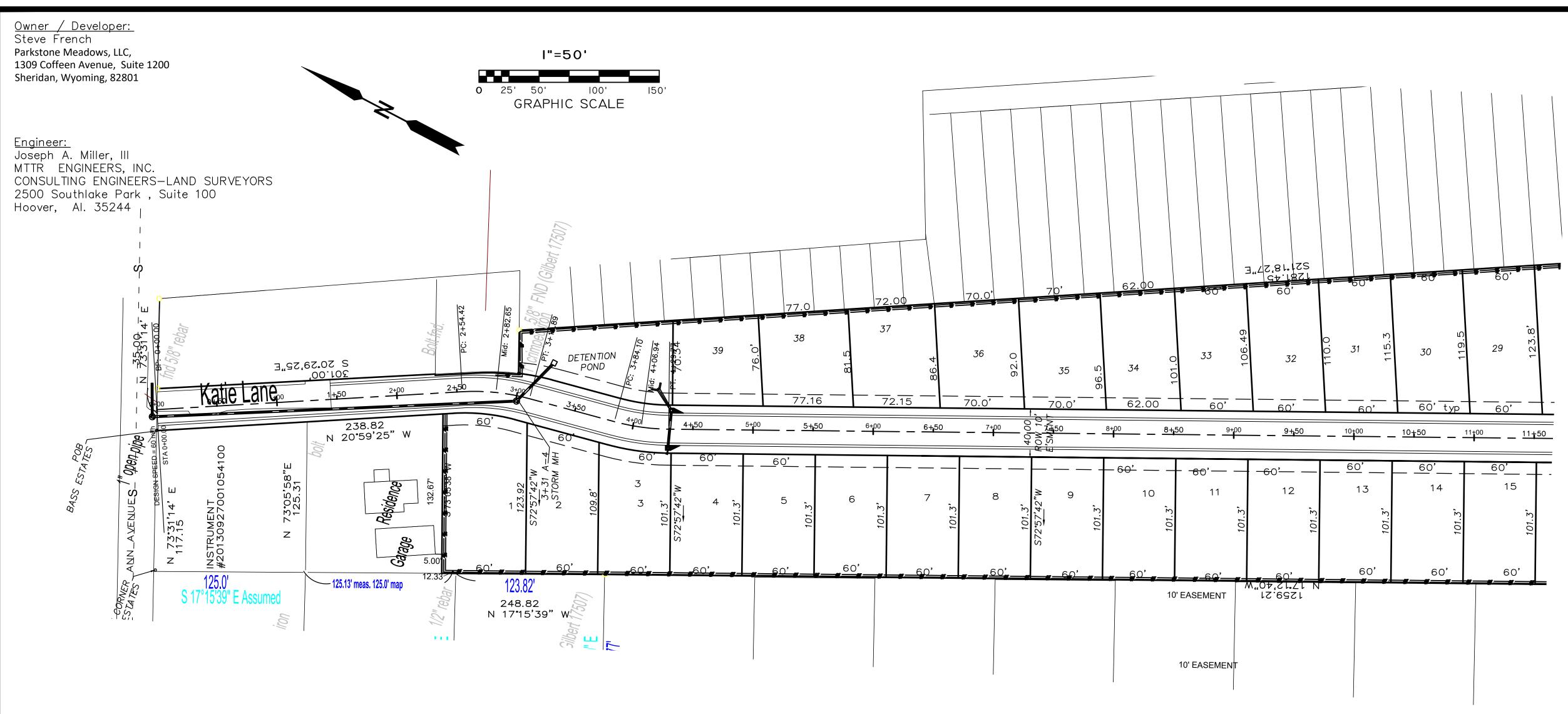
MATERIALS REQUIRED 01.26.22

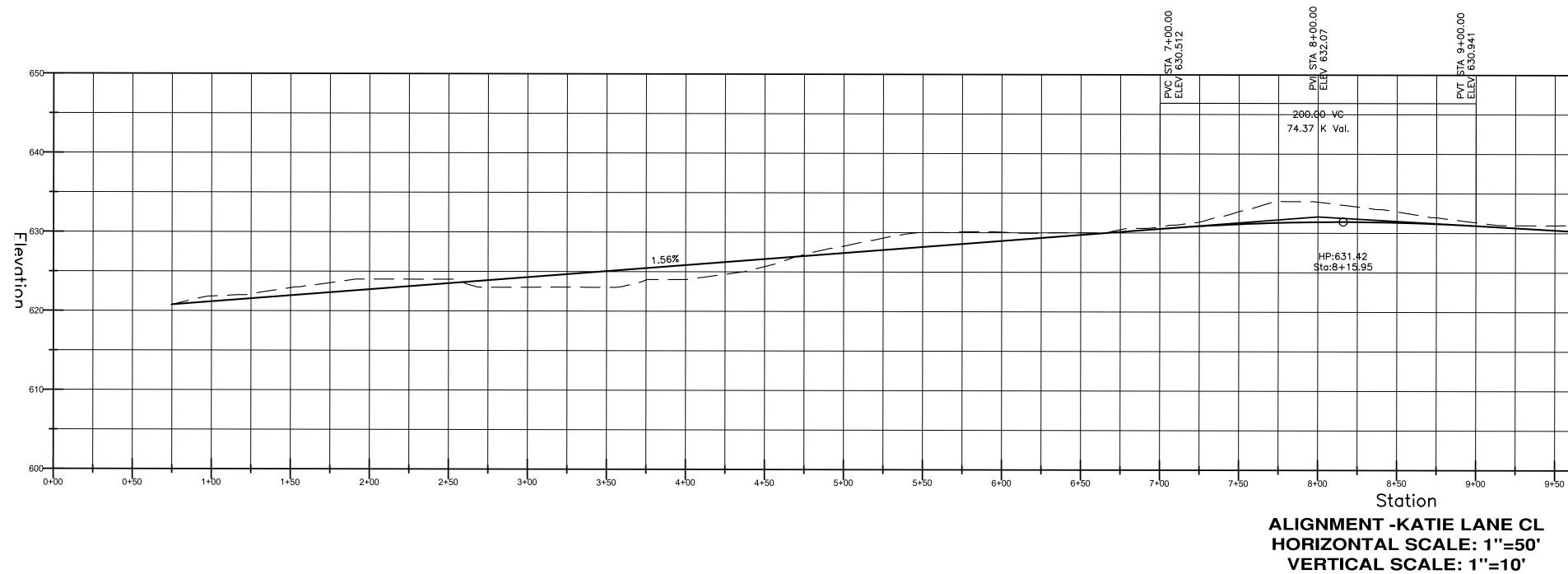
1750 LF 6" DIP CLASS 350/350 2 FIRE DEPARTMENT CONNECTION 2 FIRE HYDRANTS WITH LOCKING FH TEE AND VALVE 2-6"VALVE 500 LBS. FITTINGS PRESSURE TEST OF SYSTEM TIE INTO EXISTING WATER MAINS HEALTH DEPT. WATER SAMPLES

NOTE: LOCATION AND NUMBER OF FIRE HYDRANTS TO BE DETERMINED BY LEEDS FIRE CHIEF.

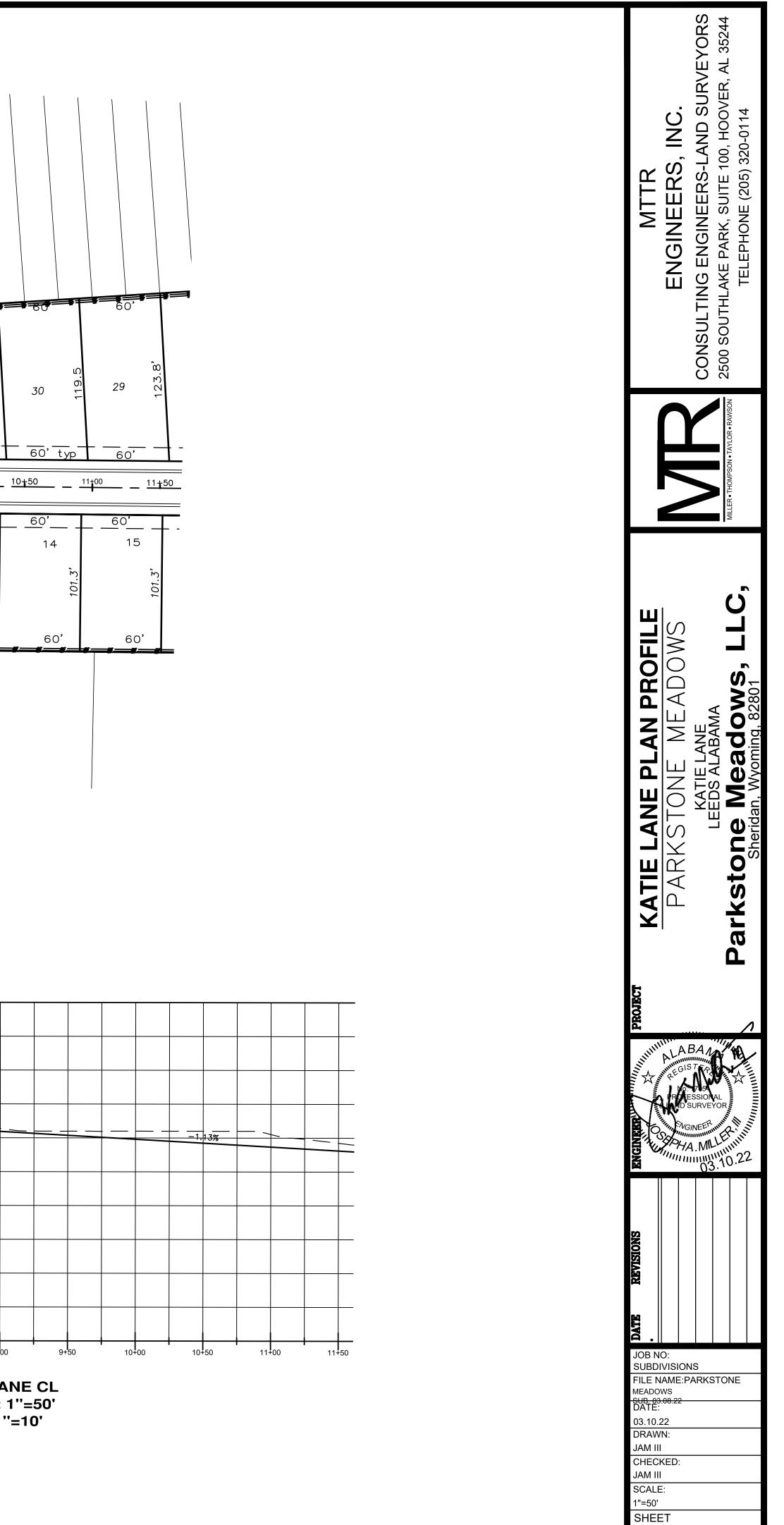
77.0 72.00 70.0' 38 37 36 00 77.16 72.15 70.0'	35 ⁽¹⁾ 34 ⁽⁾ <u>(0)</u> 70.0' (0) 62.00	33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	60' 60' type	ିଷ: 28 ୬୨ 29 ୯	128.5 2 3+34.2 A- 2 "S"INLET 132.5
		0' 60' 11 12 12 11 12 12 11 12 12 10 12	60' 00 00 00 00 00 00 00 00 00 00 00 00 0	<u>60</u> <u>60</u> <u>60</u> 15 16	6" DIP V 60'' 400 17 . <u>E</u> 0' 60'

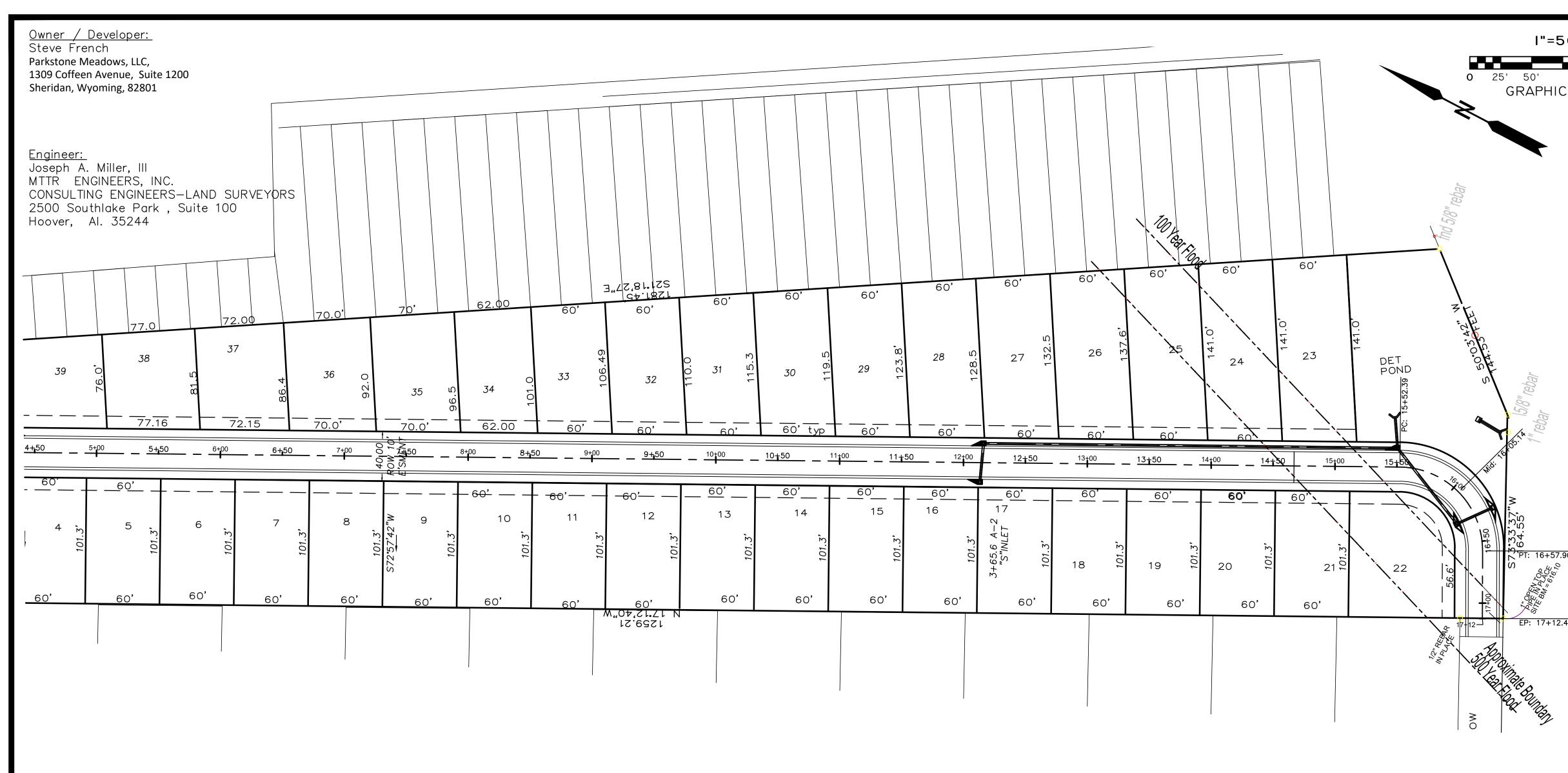


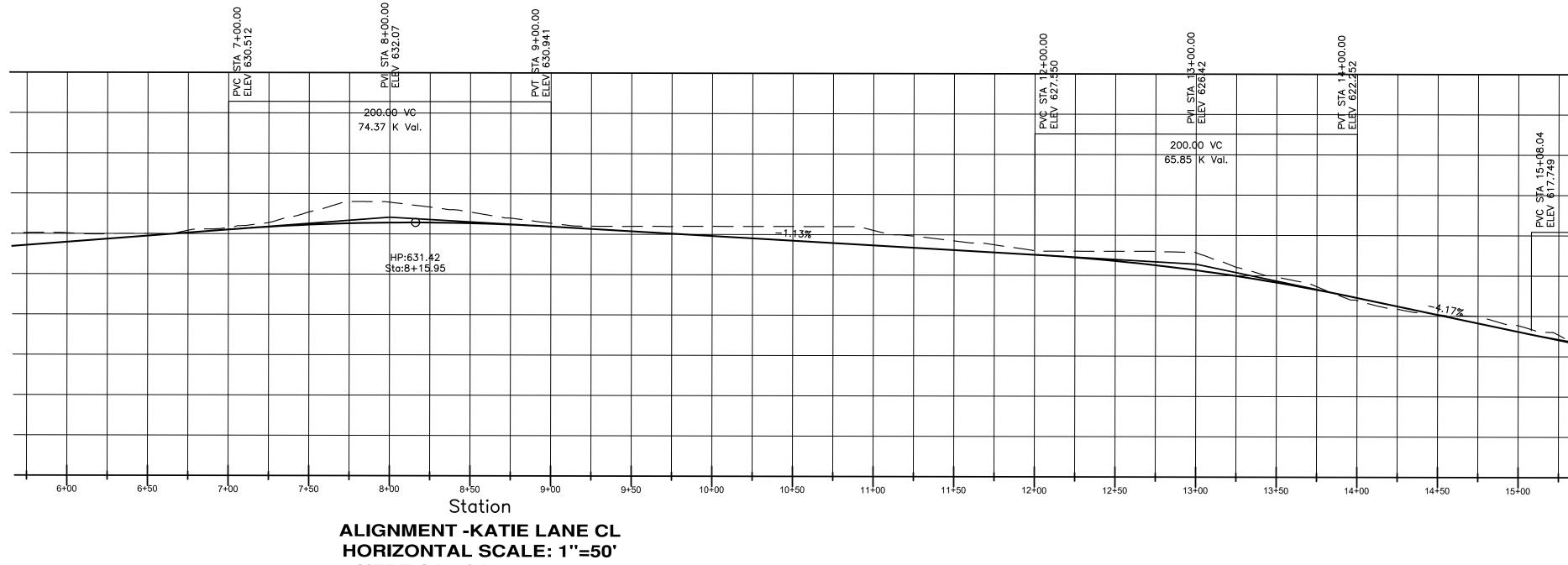




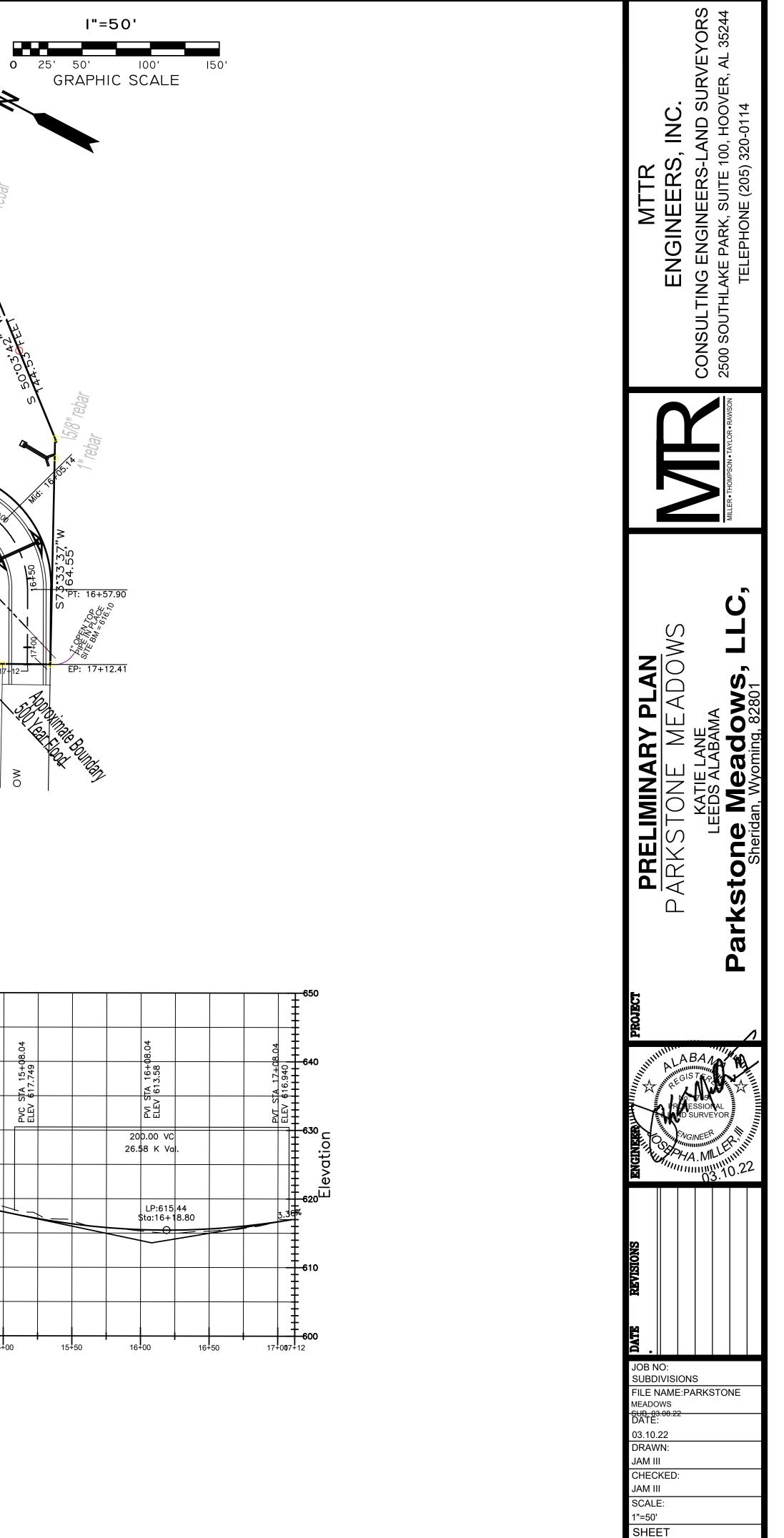
sions\Parkstone Meadows Sub Keith Hall\Parkstone Meadows Sub 03.08.22.dwg Mar 10,2022 - 12

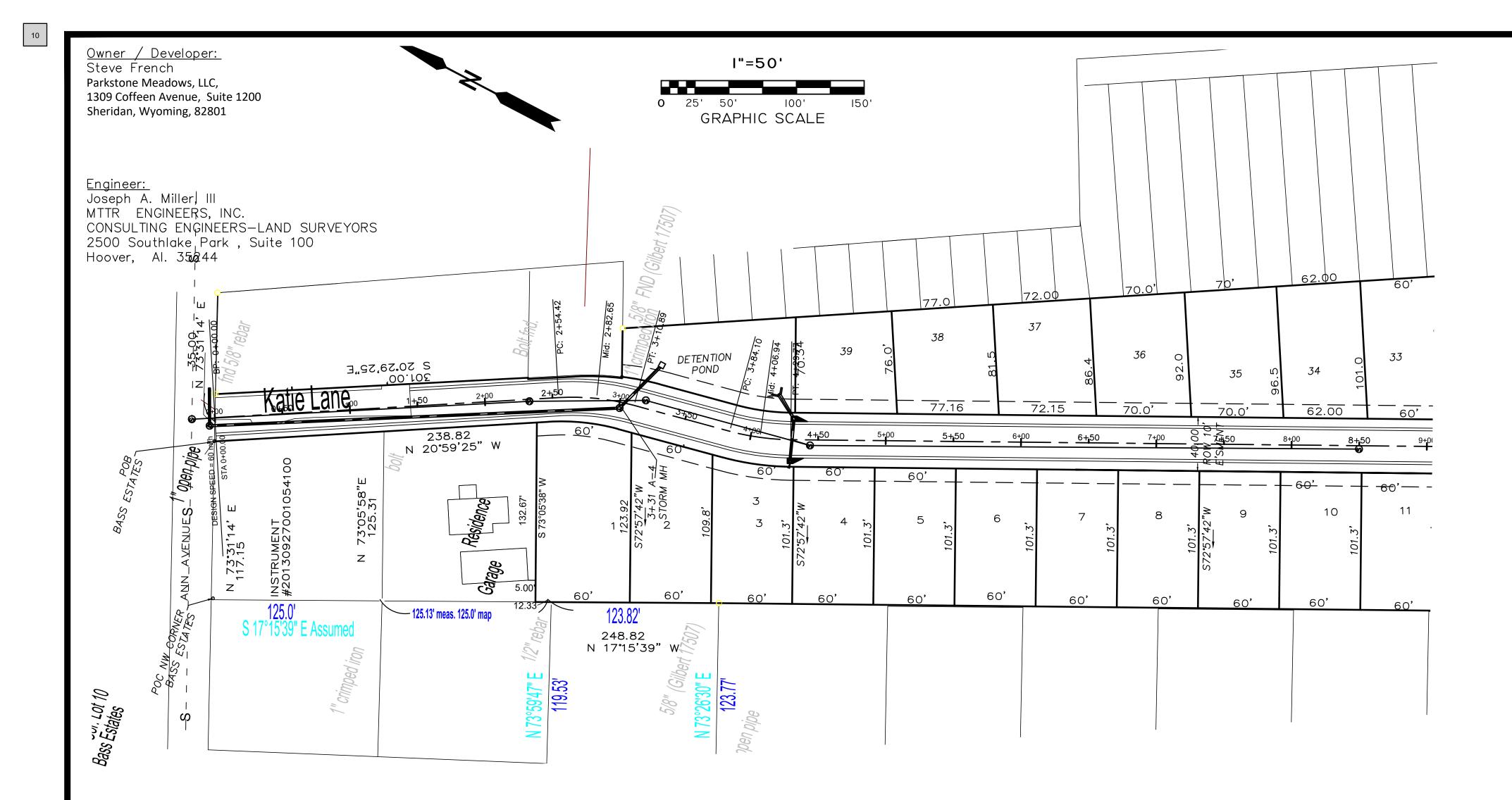


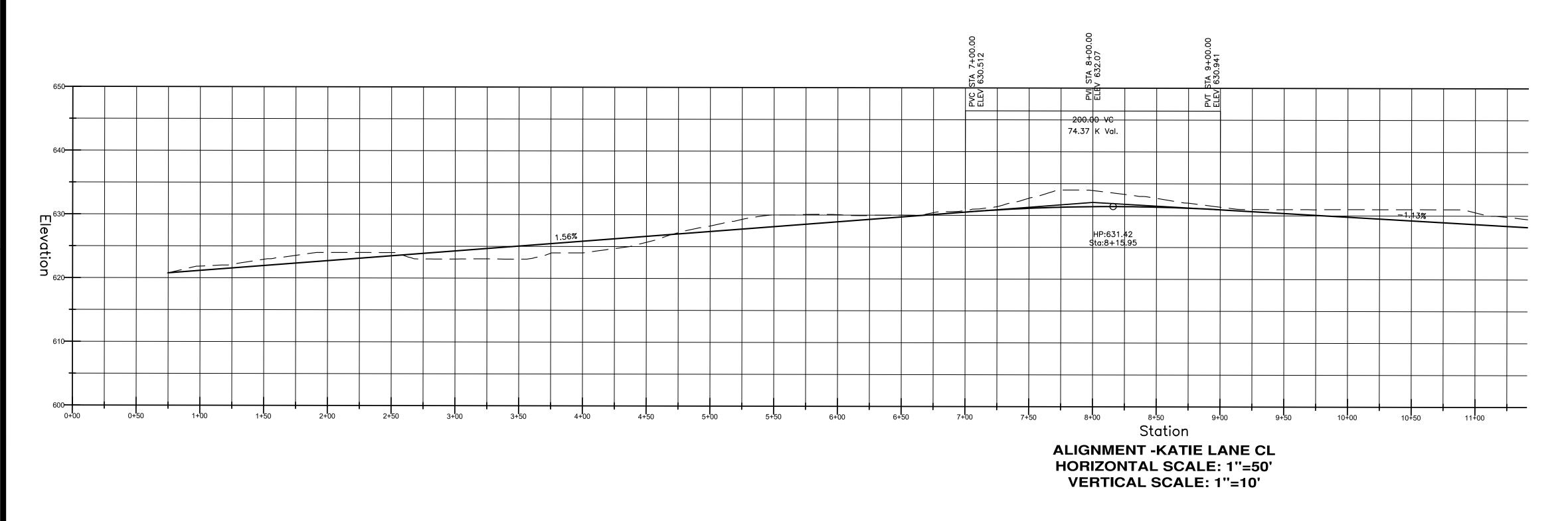


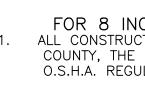


VERTICAL SCALE: 1"=10'









- 6.
- 7.
- AND HAVE A SEWER CONNECTION PERMIT FOR EACH LOT.
- 9.

- THE COUNTY FOR RECORD INFORMATION.

FOR 8 INCH AND LARGER SANITARY SEWERS 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATION OF JEFFERSON COUNTY, THE LOCAL MUNICIPALITY AND/OR THE STATE HIGHWAY DEPARTMENT, AND APPLICABLE O.S.H.A. REGULATIONS, AS APPLICABLE. 2. THE CONTRACTOR SHALL NOTIFY THE JEFFERSON COUNTY ENVIRONMENTAL SERVICES DEPARTMENT 325-5127 AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION. THERE SHALL BE NO CHANGES IN DRAWINGS WITHOUT WRITTEN APPROVAL BY THE JEFFERSON COUNTY ENVIRONMENTAL SERVICES DEPARTMENT.

3. DUCTILE IRON PIPE SHALL BE CLASS 52 OR BETTER.

4. PVC PIPE SHALL BE AWWA C900, CAST IRON (CI) STANDARD DIMENSIONS. DIMENSION RATIO (DR) 18. PRESSURE CLASS (PC) 150 PSI OR BETTER.

5. IN EARTH TRENCH, FOUR INCHES OF CRUSHED STONE SHALL BE PLACED UNDER SEWER LINES OF 12 INCHES IN DIAMETER OR SMALLER AND SIX INCHES OF CRUSHED STONE SHALL BE PLACED UNDER SEWER LINES LARGER THAN 12 INCHES IN DIAMETER. IN ROCK TRENCHES, SIX INCHES OF CRUSHED STONE SHALL BE PLACED UNDER ALL SEWERS. THE DITCH SHALL BE BACKFILLED WITH CRUSHED STONE TO A DEPTH OF 12 INCHES ABOVE THE TOP OF THE PIPE. WHEN CROSSING EXISTING ROADS, STREETS, AND ALL PAVEMENT IN AND OUT OF THE R.O.W., THE TOTAL BACKFILL SHALL BE CRUSED STONE AND PROPERLY CHOKED.

AT THE DIRECTION OF THE ESD INSPECTOR, A CONNECTION OF SANITARY SEWER PIPES (8 INCH THROUGH 16 INCH) OF DISSIMILAR SIZES OR FOR REPAIR OF SANITARY SEWER PIPES OF SIMILAR MATERIALS MAY BE MADE BY MEANS OF AN APPROVED MECHANICAL SEAL TYPE ADJUSTABLE COUPLING. COUPLINGS WITH ANY REQUIRED ADAPTING BUSHINGS SHALL BE MANUFACTURED OF AN APPROVED PREFORMED ELASTOMERIC MATERIAL SPECIFICALLY FOR DIMENSIONS OF THE PIPE MATERIALS TO BE CONNECTED. COUPLINGS OF THE MECHANICAL SEAL TYPE SHALL HAVE NUT AND BOLT TIGHTENING CLAMPS OR DEVICES MADE OF 316 STAINLESS STEEL, WITH AN ADJUSTABLE STAINLESS STEEL SHEAR RING, AND STAINLESS STEEL HARDWARE. A CONCRETE COLLAR AS SHOWN ON APPENDIX STANDARD DRAWING SD2060 IS REQUIRED. THE ADJUSTABLE COUPLING SHALL BE INSTALLED AS RECOMMENDED AND SPECIFIED BY THE MANUFACTURER. EACH COUPLING SHALL BEAR THE MANUFACTURER'S NAME AND REQUIRED MARKINGS.

MANHOLES SHALL MEET ASTM SPECIFICATION C-478. JOINTS BETWEEN THE MANHOLE SECTIONS SHALL BE OFFSET TONGUE AND GROOVE "PUSH ON" TYPE, SUPPLIED WITH TYLOX SUPER SEAL PRE-LUBRICATED GASKET AS MANUFACTURED BY HAMILTON KENT MEETING THE REQUIREMENTS OF ASTM C443. EACH JOINT SHALL ALSO BE SUPPLIED WITH CONSEAL CS-231 WATERSTOP SEALANT AS MANUFACTURED BY CONCRETE SEALANTS, IN WIDTHS AS RECOMMENDED BY THE MANUFACTURER. MANHOLES SHALL HAVE A MINIMUM DIAMETER OF 48 INCHES AND A MINIMUM THICKNESS OF 5 INCHES. ALL MANHOLE CONES SHALL BE OF THE CONCENTRIC TYPE. MANHOLES MAY BE FINISHED TO STREET GRADE WITH BRICK AND MORTAR. THIS ADJUSTMENT HEIGHT SHALL NOT EXCEED 16 INCHES.

8. STUBOUTS FOR SANITARY SEWER SERVICE LINES SHALL END ON OR NEAR THE PROPERTY LINE UNLESS OTHERWISE NOTED. ON "DOWNHILL" SIDE LOTS INSTALL LATERALS ON A MINIMUM 1 LINES TO GRADE THAT WILL TERMINATE A MAXIMUM DEPTH OF 10 FEET. THE FIRST JOINT OUT OF A MANHOLE, FOR BUILDING OR HOUSE SERVICE, SHALL BE DUCTILE IRON PIPE CLASS 52 OR BETTER (MINIMUM 8 FEET). ANY BUILDING SERVICE LINE SET OUTSIDE OF EASEMENT OR R.O.W. MUST BE INSTALLED BY A MASTER PLUMBER

IF THE CONTRACTOR IS INSTALLING SERVICE LINES AT THE SAME TIME AS MAIN LINE, THE SERVICE LINE SHALL BE INSTALLED IN ACCORDANCE WITH JEFFERSON COUNTY STANDARDS FOR CONSTRUCTION OF SERVICE LINES AND CONNECTIONS, AND INSPECTED/TESTED BY COUNTY INSPECTOR BEFORE IT IS BACKFILLED.

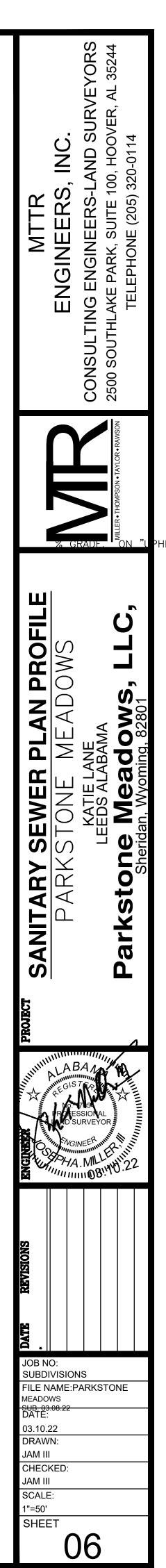
10. ALL SERVICE LINE STUBOUTS INSTALLED IN ROAD ROW OR UNDER ASPHALT SHALL BE PER STANDARD SPECIFICATIONS FOR SANITARY SEWER SERVICE LINES AND CONNECTIONS SECTION 4.

11. CONSTRUCTION SIGNS FOR WORK WITHIN AND ADJACENT TO PUBLIC ROADS, HIGHWAYS, AND ALLEYS SHALL BE IN ACCORDANCE WITH ALDOT STANDARDS.

12. CONTRACTOR WILL BE RESPONSIBLE FOR THE CONTINUOUS AND PROPER OPERATION OF ALL EXISTING UTILITIES LOCATED ON OR ADJACENT TO THE PROJECT SITE AND WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT. 13. ALL EMBANKMENT FILL AREAS SHALL BE FILLED AND COMPACTED PRIOR TO EXCAVATION OF SEWER LINE TRENCHES.

14. CONTRACTOR WILL BE RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS AND FOR ACQUISITION OF ALL PERMITS DURING CONSTRUCTION TO INSURE THAT DAMAGE DOES NOT OCCUR TO ADJACENT PROPERTIES, PUBLIC ROADS AND/OR DITCHES (CREEKS, STREAMS).

15. UPON COMPLETION OF ALL OR ANY PART OF A SANITARY SEWER LINE, THE CONTRACTOR WILL BE REQUIRED TO TEST SAID SEWER FOR ACCEPTABILITY. GRAVITY SEWERS WILL BE PRESSURE TESTED WITH AIR. FORCE MAIN SEWERS WILL BE PRESSURE TESTED WITH WATER. MANHOLES WILL BE VACUUM TESTED. ALL TESTS WILL BE CONDUCTED IN THE PRESENCE OF THE COUNTY SEWER CONSTRUCTION INSPECTOR IN ACCORDANCE WITH SECTION 5.00 STANDARDS FOR COMMERCIAL AND RESIDENTIAL CONSTRUCTION OF SANITARY SEWER SYSTEMS. GRAVITY SANITARY SEWERS WILL BE TELEVISION INSPECTED FOLLOWING AIR TESTING WITH THE FINAL VIDEO TAPE AND LOG FURNISHED TO



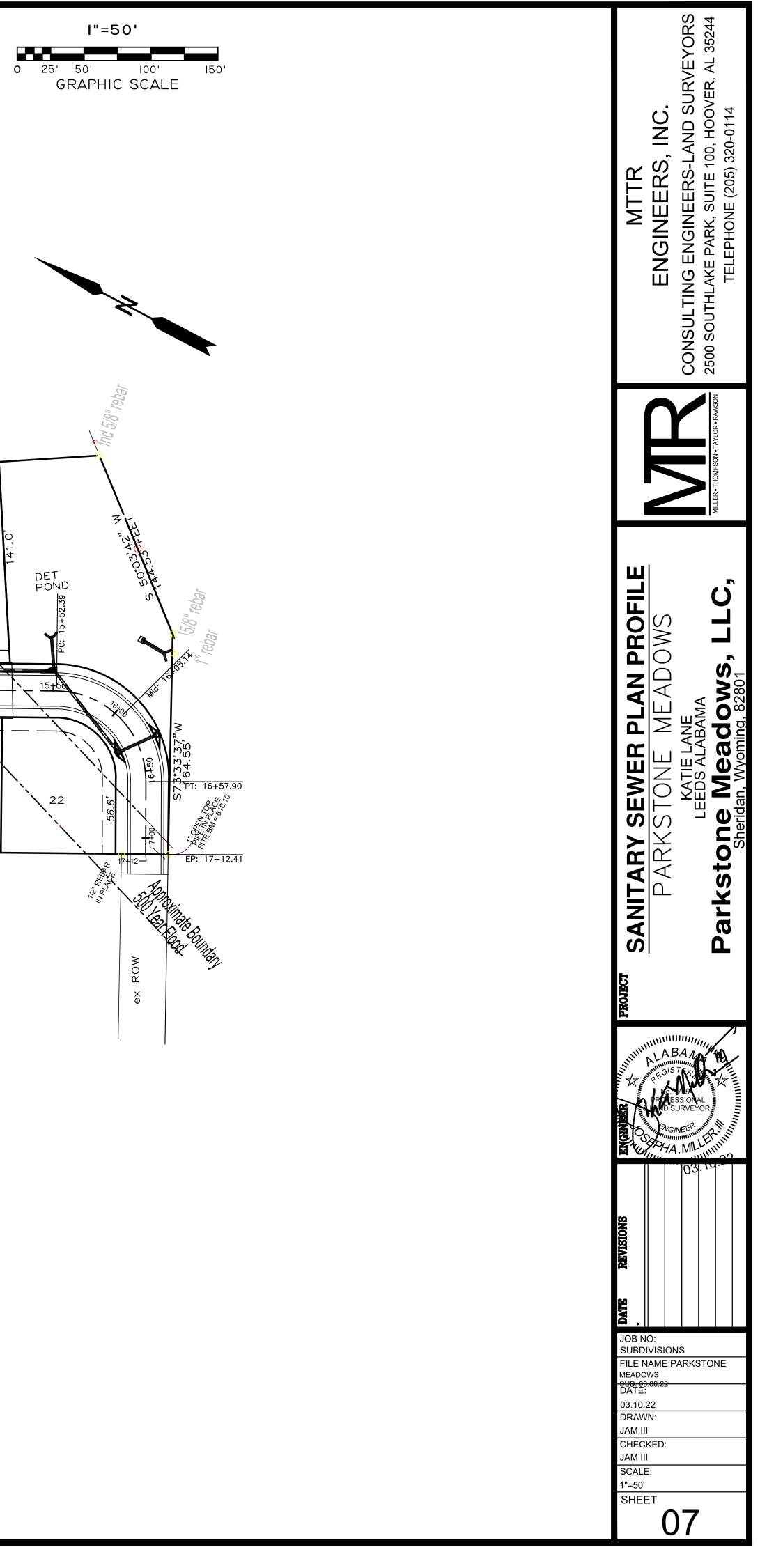
<u>Owner / Developer:</u> Steve French Parkstone Meadows, LLC, 1309 Coffeen Avenue, Suite 1200 Sheridan, Wyoming, 82801

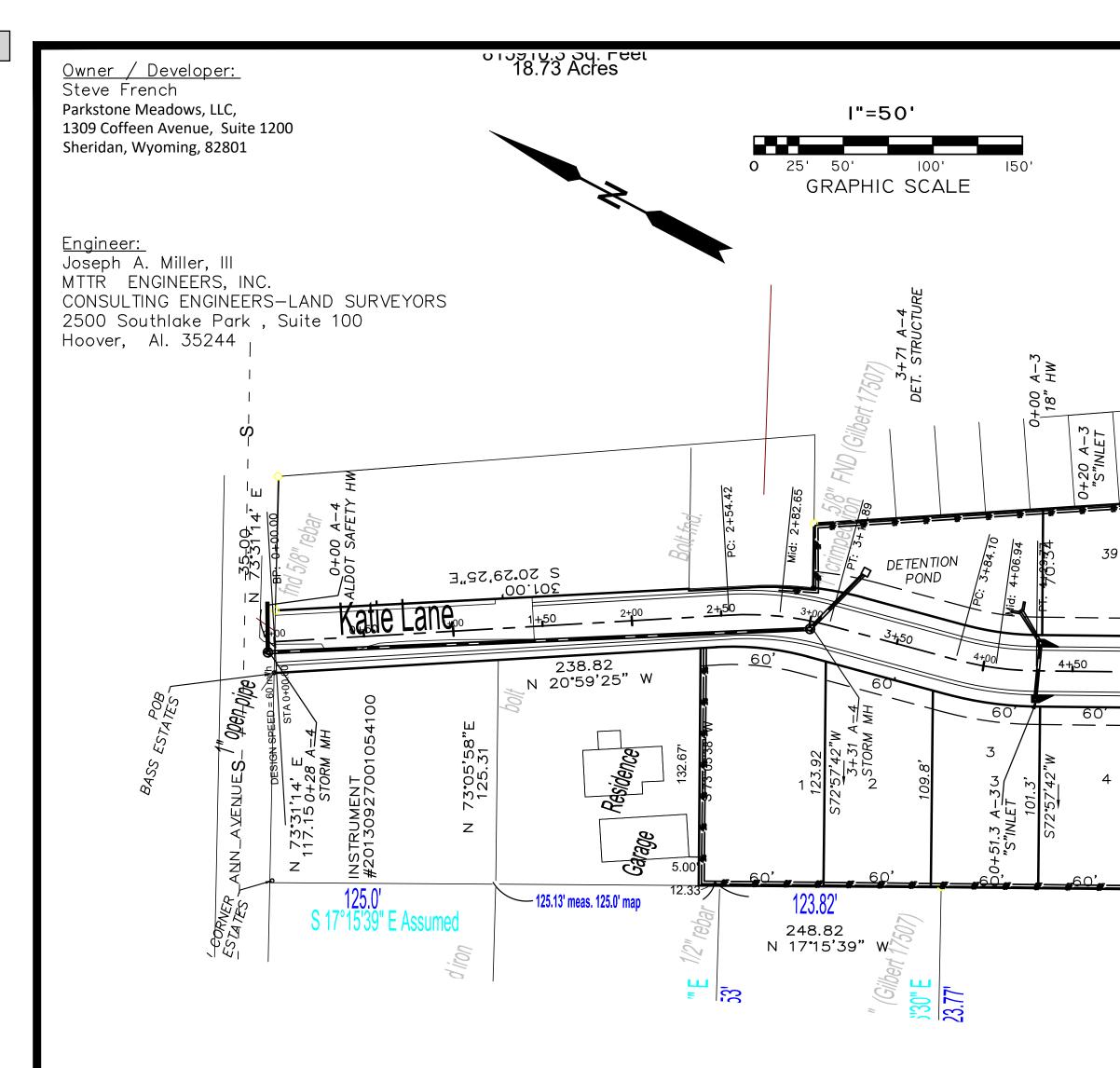
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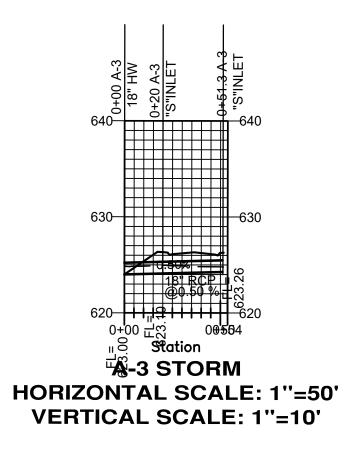
<u>Engineer:</u> Joseph A. Miller, III MTTR ENGINEERS, INC. CONSULTING ENGINEERS—LAND SURVEYORS 2500 Southlake Park , Suite 100 Hoover, Al. 35244



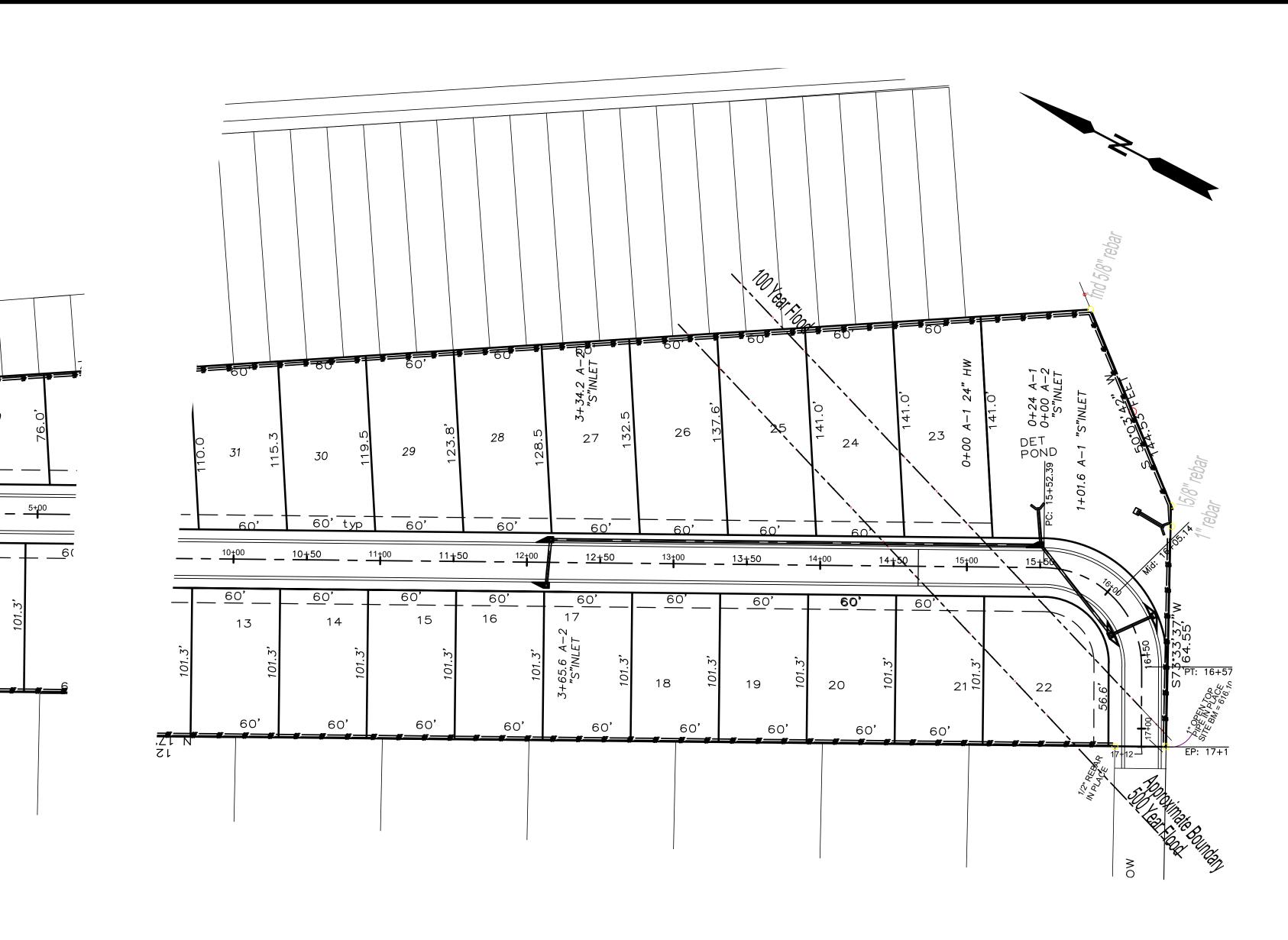
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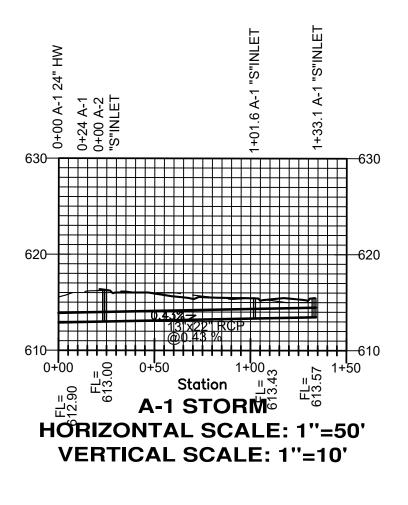


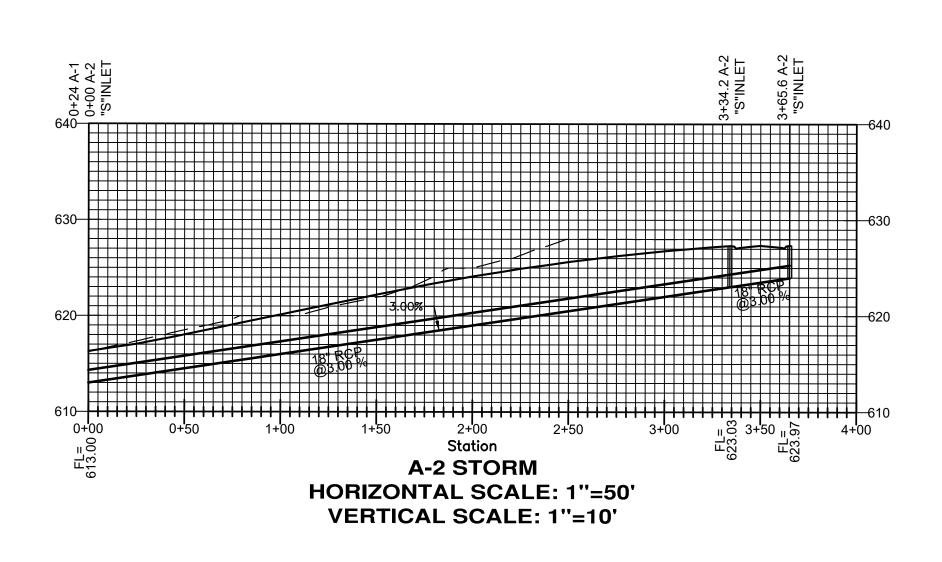




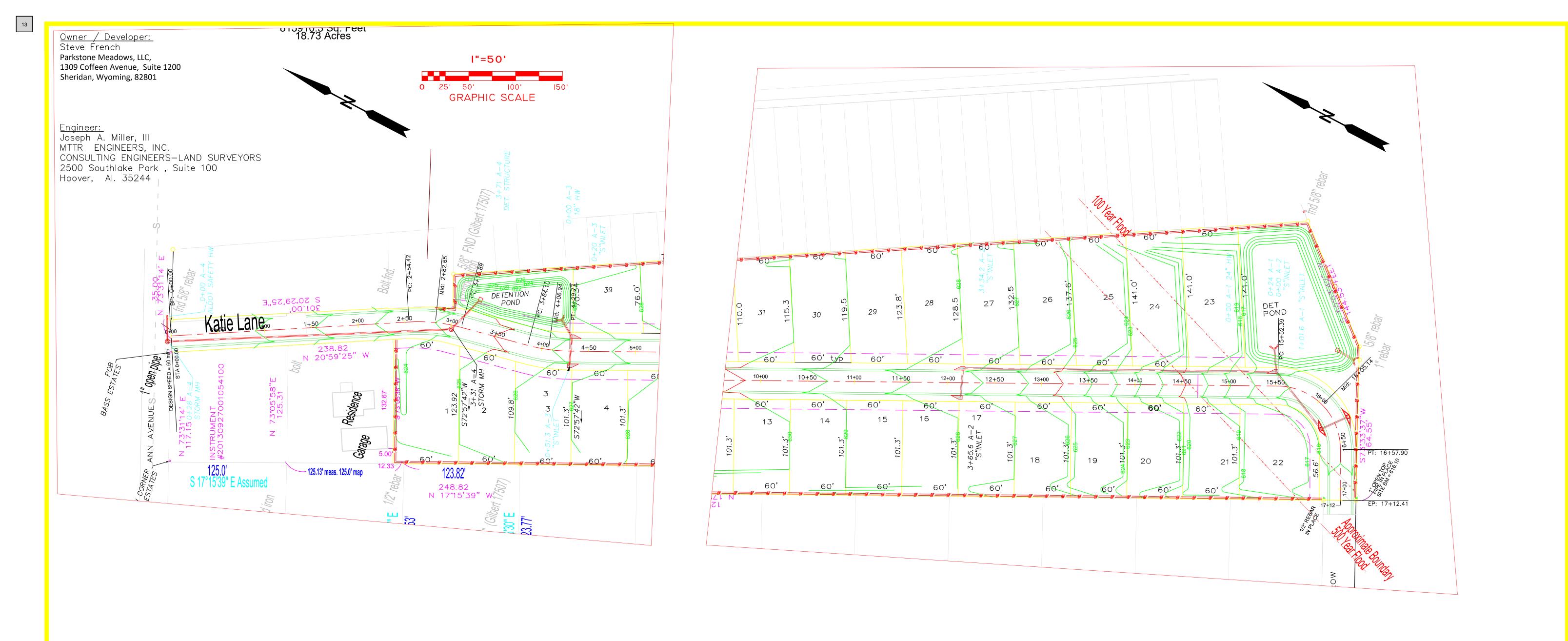




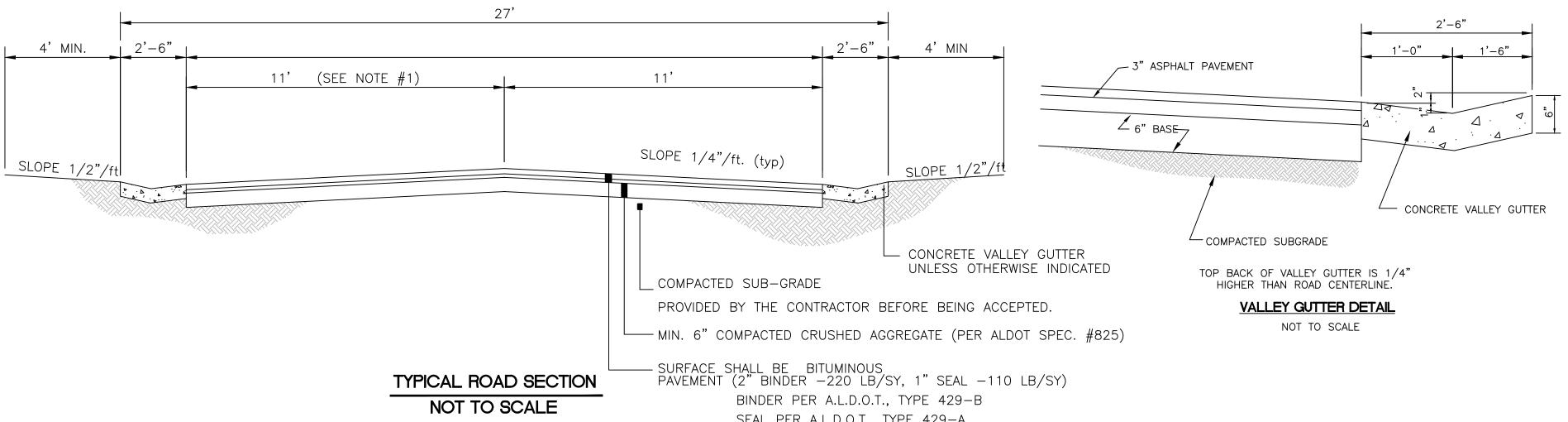


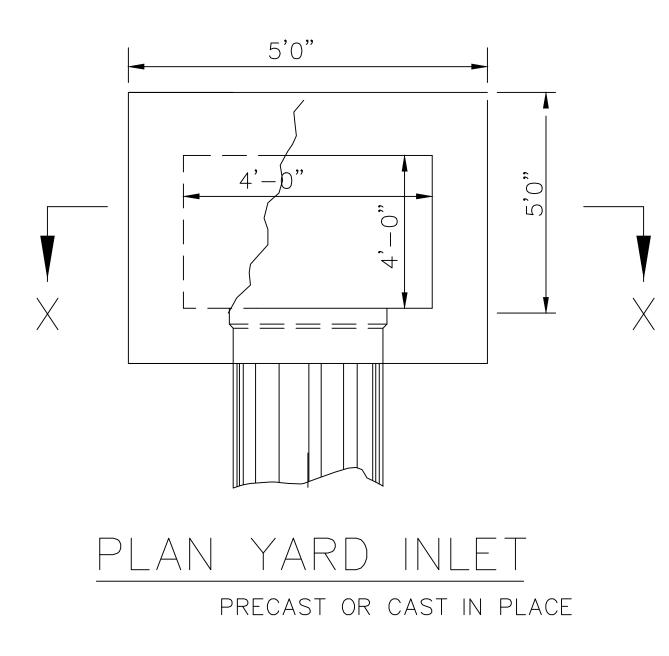




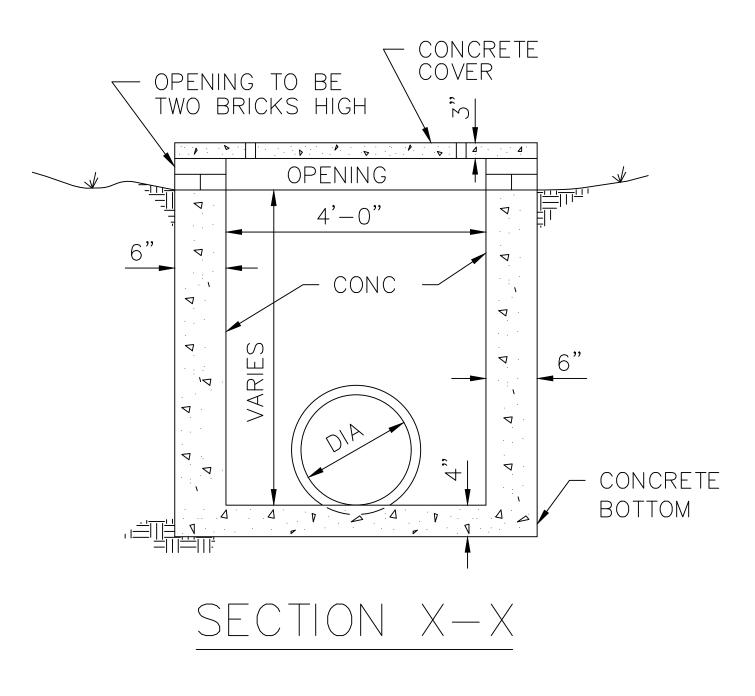


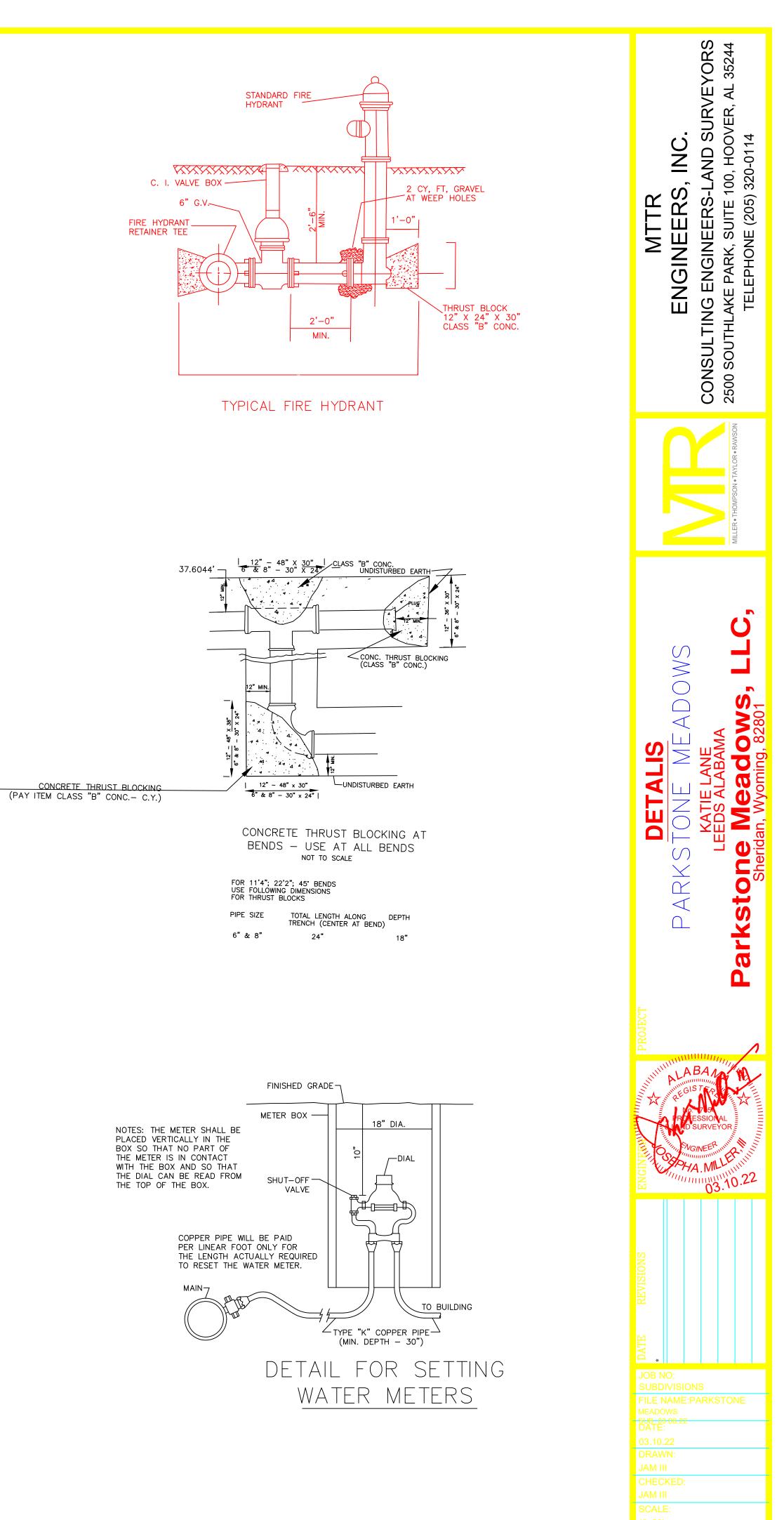


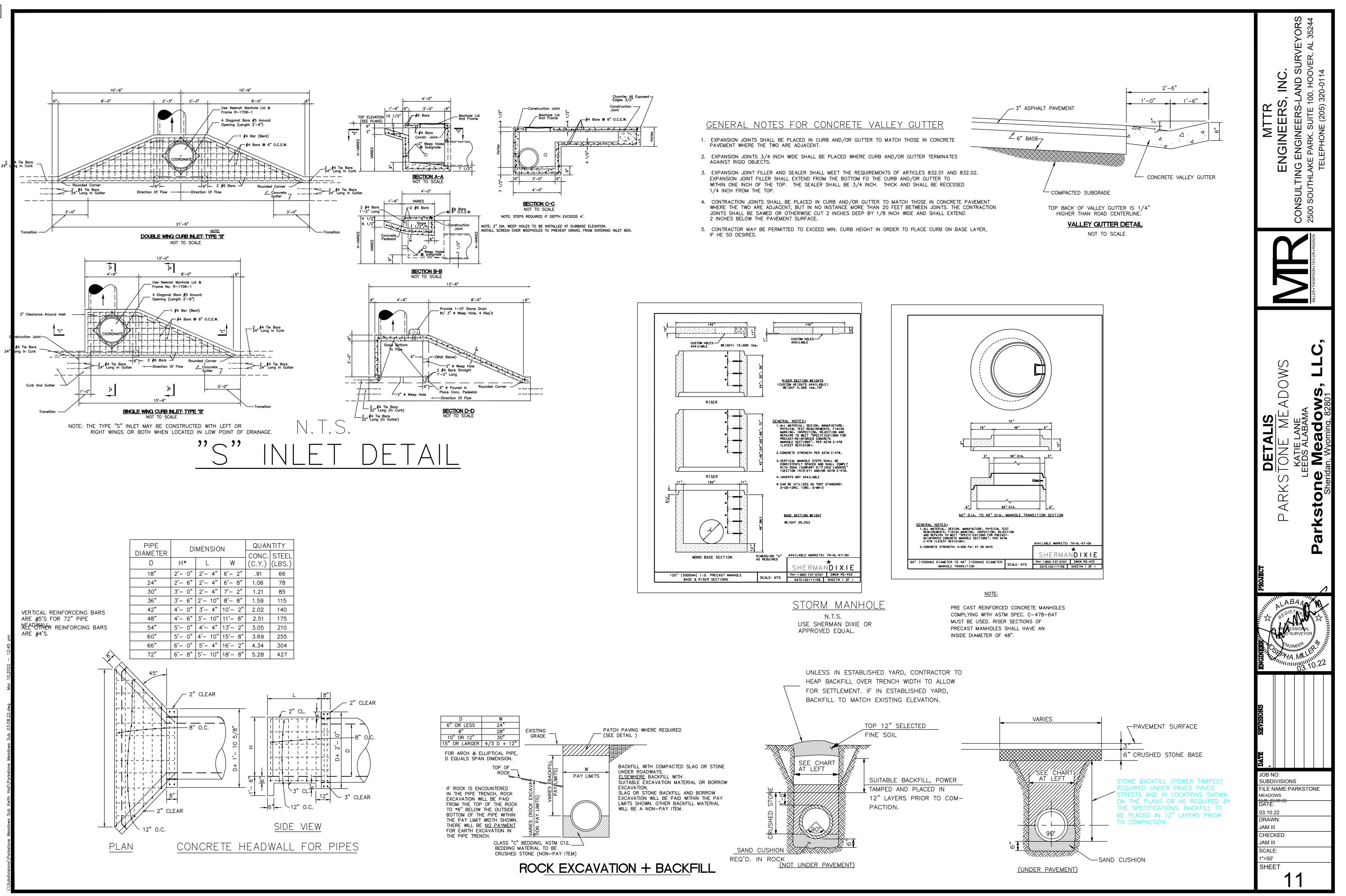


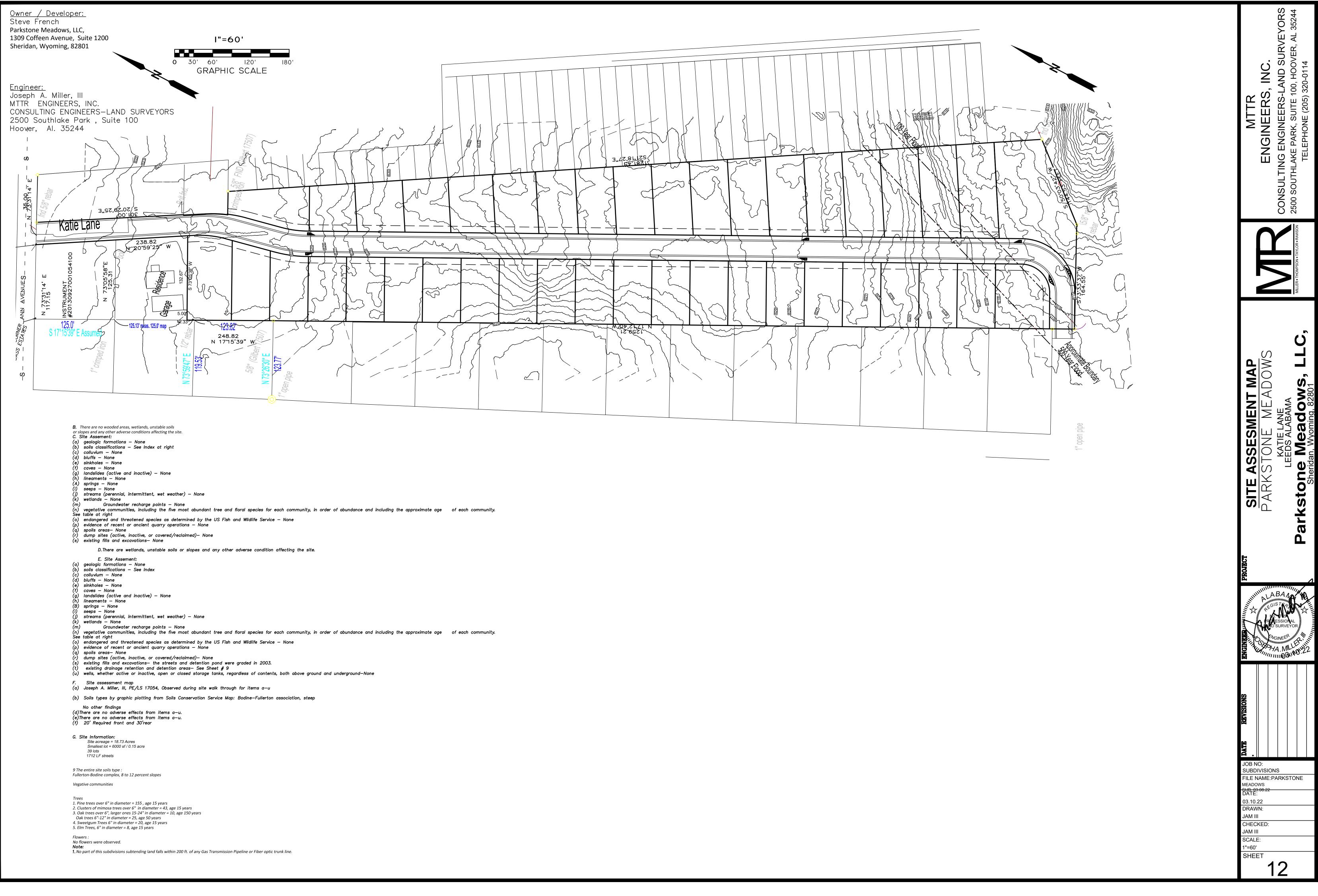


SEAL PER A.L.D.O.T., TYPE 429-A









PART I Part I Coverage Under This General Permit

A. Permit Coverage

This permit authorizes, subject to the conditions of this permit, discharges associated with construction activity that will result in land disturbance equal to or greater than one (1) acre or from construction activities involving less than one (1) acre and which are part of a common plan of development or sale equal to or greater than one (1) acre occurring on or before, and continuing after the effective date of this permit, except for discharges identified under Part I.C. of the permit. Coverage under this permit is not required for discharges associated with minor land disturbing activities (such as home gardens or individual home landscaping, repairs, maintenance work, fences and other related activities which result in minor soil erosion), animal feeding operation (AFO) or concentrated animal feeding operation (CAFO) construction activity that has been granted NPDES registration coverage pursuant to Chapter 335-6-7, normal agricultural practices and silvicultural operations as defined in Part V.

B. Eligibility

- 1. Allowable Stormwater Discharges
- This permit authorizes the following stormwater discharges:
- (a) Stormwater associated with construction activities defined in Part I.A. of this permit; (b) The following stormwater discharges have been determined by the Director to require coverage under this
- (i) Sites, irrespective of size, whose stormwater discharges have a reasonable potential to be a significant
- contributor of pollutants to a water of the state, as determined by the Departmen
- (ii) Sites, irrespective of size, whose stormwater discharges have a reasonable potential to cause or contribute to a violation of an applicable Alabama water quality standard as determined by the Department. (c) Discharges from support activities (e.g., equipment staging yards, material storage areas, excavated material
- disposal areas, borrow areas) provided:

(i) The support activity is solely related to the construction site covered under this permit; (ii) The support activity is not a commercial operation serving multiple unrelated construction projects by different operators, and does not operate beyond the completion of the construction activity at the last construction project it

- supports; and (iii) Pollutant discharges from support activity areas are minimized to the maximum extent practicable and do not pose a reasonable potential to exceed applicable water quality standards.
- 2. Allowable Non-Stormwater Discharge

This permit authorizes the following non-stormwater discharges provided the non-stormwater component of the discharge is in compliance with Part III.D.

- (a) Discharges from fire-fighting activities;
- (b) Fire hydrant flushings
- (c) Water used to wash vehicles where detergents are not used;
- (d) Water used to control dust;
- (e) Potable water including uncontaminated water line flushings not associated with hydrostatic testing;

(f) Routine external building wash down associated with construction that does not use detergents

- (g) Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used. The operator is prohibited from directing pavement wash waters directly into any surface water, storm drain inlet, or stormwater conveyance, unless the conveyance is
- connected to a sediment basin, sediment trap, or similarly effective control;
- (h) Uncontaminated air conditioning or compressor condensate associated with temporary office trailers and other
- similar buildings;
- (i) Uncontaminated ground water or spring water; (j) Foundation or footing drains where flows are not contaminated with process materials such as solvents;
- (k) Landscape irrigatio
- C. Prohibited Discharge
- The following discharges associated with construction are not authorized by this permit: 1. Stormwater discharges that are mixed with sources of non-stormwater unless such stormwater discharges are:
- (a) In compliance with a separate NPDES permit, or
- (b) Determined by the Department not to be a contributor of pollutants to waters of the State.
- Stormwater discharges currently covered under another NPDES permit
- Wastewater from washout of concrete, unless managed by an appropriate control. (Wastewater from Concrete Batch Plants are prohibited unless such discharges are authorized by and in compliance with a separate NPDES permit); 4. Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds and other
- construction materials;
- 5. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;
- Soaps or solvents used in vehicle and equipment washing;
- 7. Discharges from dewatering activities, including discharges of ground water or accumulated stormwater from dewatering of trenches, excavations, foundations, vaults, or other similar points of accumulation, unless managed by
- appropriate controls;
- 9. Discharges where the turbidity of such discharge will cause or contribute to a substantial visible contrast with the
- natural appearance of the receiving wat 10. Discharges where the turbidity of such discharge will cause or contribute to an increase in the turbidity of the receiving water by more than 50 NTUs above background. For the purposes of determining compliance with this limitation, background will be interpreted as the natural condition of the receiving water without the influence of uced causes. Turbidity levels caused by natural runoff will be incl ing backgroui
- levels 11. Discharges of any pollutant into any water for which a total maximum daily load (TMDL) has been finalized or
- approved by EPA unless the discharge is consistent with the TMDL; and
- 12. Discharges to waters listed on the most recently approved 303(d) list of impaired streams unless the discharge will not cause or contribute to the listed impairment
- PART II Notice of Intent (NOI) Requirements
- D. Submittal of Documents

The Permittee must complete and submit the NOI electronically, using the Department's eNOI system, unless the Permittee submits in writing valid justification as to why the electronic submittal process cannot be utilized and the Department approves in writing the utilization of hard copy submittals. The eNOI system can be accessed at the following link https://app.adem.alabama.gov/eNOI/Default.aspx. Permit requests for initial issuance and modifications of the existing permit should all be submitted through the eNOI system. All other documents required to be submitted to the Department by this general permit shall be delivered to the following address: Alabama Department of Environmental Management

Water Division

Stormwater Management Branch

Post Office Box 301463 (Zip Code: 36130-1463) 1400 Coliseum Boulevard (Zip Code: 36110-2059)

Montgomery, Alabama

PART III Stormwater Pollution Prevention Requirements

B. Provide Natural Riparian Buffers or Equivalent Sediment Controls

Natural riparian buffer requirements apply to all waters of the state adjacent to construction sites or contained within their overall project boundary. A 25-foot natural riparian buffer zone adjacent to all waters of the state at the construction site shall be preserved, to the maximum extent practicable, during construction activities at the site. The natural riparian buffer should be preserved between the top of stream bank and the disturbed construction area. The water quality buffer zone aids in the protection of waters of the state (e.g., perennial and intermittent streams, rivers, lakes, wetlands) located within or immediately adjacent to the boundaries of the project. Natural riparian buffers ARE NOT PRIMARY SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED ON AS SUCH. THE NATURAL RIPARIAN BUFFER REQUIREMENT ONLY APPLIES TO NEW CONSTRUCTION SITES. COMPLIANCE ALTERNATIVES

- (a) PROVIDE AND MAINTAIN A 25-FOOT UNDISTURBED NATURAL RIPARIAN BUFFER; OR
- (i) IF LAND DISTURBANCES ARE LOCATED 25 FEET OR FURTHER FROM SURFACE WATER, THEN COMPLIANCE WITH
- THIS ALTERNATIVE HAS BEEN ACHIEVED.
- (ii) REHABILITATION AND ENHANCEMENT OF A NATURAL RIPARIAN BUFFER IS ALLOWED, IF NECESSARY, FOR IMPROVEMENT OF ITS EFFECTIVENESS OF PROTECTION OF THE WATERS OF THE STATE.
- (iii) ANY PREEXISTING STRUCTURES (E.G., BUILDINGS, PARKING LOTS, ROADWAYS, UTILITY LINES, STRUCTURES, IMPERVIOUS SURFACES) ARE ALLOWED IN THE NATURAL RIPARIAN BUFFER: PROVIDED THE PERMITTEE RETAINS AND PROTECTS FROM DISTURBANCE ANY ADDITIONAL NATURAL BUFFER AREA CONTAINED WITHIN THE NATURAL RIPARIAN BUFFER BUT OUTSIDE THE PREEXISTING STRUCTURES FOOTPRINT.
- (b) PROVIDE AND MAINTAIN AN UNDISTURBED NATURAL RIPARIAN BUFFER THAT IS LESS THAN 25 FEET AND IS SUPPLEMENTED BY ADDITIONAL EROSION AND SEDIMENT CONTROLS, WHICH IN COMBINATION ACHIEVES THE SEDIMENT LOAD REDUCTION EQUIVALENT TO A 25-FOOT UNDISTURBED NATURAL RIPARIAN BUFFER; OR
- (c) IF IT IS INFEASIBLE TO PROVIDE AND MAINTAIN AN UNDISTURBED NATURAL RIPARIAN BUFFER OF ANY SIZE. THE PERMITTEE MUST IMPLEMENT EROSION AND SEDIMENT CONTROLS THAT ACHIEVE THE SEDIMENT LOAD REDUCTION
- EQUIVALENT TO A 25-FOOT UNDISTURBED NATURAL RIPARIAN BUFFER. (d) ALL DISCHARGES FROM THE AREA OF EARTH DISTURBANCE TO THE NATURAL RIPARIAN BUFFER MUST FIRST BE TREATED BY THE SITE'S EROSION AND SEDIMENT CONTROLS, AND USE VELOCITY DISSIPATION DEVICES IF NECESSARY TO PREVENT EROSION CAUSED BY STORMWATER WITHIN THE NATURAL RIPARIAN BUFFER.
- (e) ALL COMPLIANCE ALTERNATIVES MUST BE DOCUMENTED IN THE CBMPP AND COMPLY WITH ALL REQUIREMENTS. THE NATURAL RIPARIAN BUFFER BOUNDARY SHOULD BE INDICATED ON THE SITE PLAN.
- (f) COMPLIANCE ALTERNATIVES MUST BE MAINTAINED THROUGHOUT THE DURATION OF PERMIT COVERAGE.
- (g) ALL NATURAL RIPARIAN BUFFER AREAS SHOULD BE DELINEATED, AND CLEARLY MARKED OFF WITH FLAGS, TAPE, OR SIMILAR MARKING DEVICE. 2. CONSTRUCTION ACTIVITIES AT SITES THAT HAVE BEEN PERMITTED PRIOR TO APRIL 1, 2016, ARE EXEMPT FROM
- THE REQUIREMENTS OF THIS PART III.B. CONFIRMATION OF PERMIT COVERAGE PRIOR TO APRIL 1, 2016, MUST BE SUBMITTED WITH THE NOI.
- 3. IF THERE IS NO DISCHARGE OF STORMWATER TO WATERS OF THE STATE THROUGH THE AREAS BETWEEN THE CONSTRUCTION SITE AND ANY WATERS OF THE STATE LOCATED WITHIN 25 FEET OF THE CONSTRUCTION SITE, COMPLIANCE WITH THIS REQUIREMENT IS ACHIEVED.

4. WHERE NO NATURAL RIPARIAN BUFFER EXISTS DUE TO PREEXISTING DEVELOPMENT DISTURBANCES (E.G., BUILDINGS, PARKING LOTS, ROADWAYS, UTILITY LINES, STRUCTURES, IMPERVIOUS SURFACES) THAT OCCURRED PRIOR TO THE INITIATION OF PLANNING FOR THE CURRENT DEVELOPMENT OF THE SITE, THE PERMITTEE IS NOT REQUIRED TO COMPLY WITH THE REQUIREMENTS IN THIS SECTION. UNLESS PORTIONS OF THE PREEXISTING DEVELOPMENT WILL **BE REMOVED**

- WHERE SOME NATURAL RIPARIAN BUFFER EXISTS BUT PORTIONS OF THE AREA WITHIN 25 FEET OF THE WATERS OF THE STATE ARE OCCUPIED BY PREEXISTING DEVELOPMENT DISTURBANCES (E.G., BUILDINGS, PARKING LOTS, ROADWAYS, UTILITY LINES, STRUCTURES, AND IMPERVIOUS SURFACES), THE PERMITTEE IS REQUIRED TO COMPLY WITH THE REQUIREMENTS IN THIS SECTION
- ONLY THE PORTION OF THE BUFFER ZONE THAT CONTAINS THE FOOTPRINT OF THE EXISTING "STRUCTURE" IS EXEMPT FROM THE NATURAL RIPARIAN BUFFER. ACTIVITIES NECESSARY TO MAINTAIN USES ARE ALLOWED PROVIDED THAT NO ADDITIONAL VEGETATION IS REMOVED FROM THE NATURAL RIPARIAN BUFFER.
- FOR "LINEAR CONSTRUCTION PROJECTS". THE PERMITTEE IS NOT REQUIRED TO COMPLY WITH THE REQUIREMENTS IN THIS SECTION IF SITE CONSTRAINTS (E.G., LIMITED RIGHT-OF-WAY) PREVENT THE PERMITTEE FROM MEETING ANY OF THE COMPLIANCE ALTERNATIVES PROVIDED THAT, TO THE EXTENT PRACTICABLE, DISTURBANCES WITHIN 25 FEFT OF THE WATER OF THE STATE ARE LIMITED AND/OR SUPPLEMENTAL EROSION AND SEDIMENT CONTROLS TO TREAT STORMWATER DISCHARGES FROM EARTH DISTURBANCES WITHIN 25 FEET OF THE WATERS OF
- THE STATE ARE PROVIDED. IT MUST BE DOCUMENTED IN THE CBMPP AS TO WHY COMPLIANCE WITH THIS SECTION IS INFEASIBLE, AND DESCRIBE ANY BUFFER WIDTH RETAINED AND/OR SUPPLEMENTAL EROSION AND SEDIMENT CONTROLS INSTALLED.
- 7. THE FOLLOWING DISTURBANCES WITHIN 25 FEET OF A WATER OF THE STATE ARE EXEMPT FROM THE **REQUIREMENTS IN THIS PART:**
- (a) CONSTRUCTION APPROVED UNDER A CWA SECTION 404 PERMIT; OR (b) CONSTRUCTION OF A WATER-DEPENDENT STRUCTURE OR WATER ACCESS AREA (E.G., PIER, BOAT RAMP,
- SEAWALL, BRIDGE, DRAINAGE STRUCTURE, TRAIL, ETC.)

SOIL STABILIZATIO FINAL STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY

PORTION OF THE SITE. TEMPORARY STABILIZATION OF DISTURBED AREAS MUST BE INITIATED IMMEDIATELY WHENEVER WORK TOWARD PROJECT COMPLETION AND FINAL STABILIZATION OF ANY PORTION OF THE SITE HAS TEMPORARILY CEASED ON ANY

PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING THIRTEEN (13) CALENDAR DAYS. D. POLLUTION PREVENTION MEASURES

- THE PERMITTEE MUST DESIGN, INSTALL, IMPLEMENT, AND MAINTAIN EFFECTIVE POLLUTION PREVENTION MEASURES FO MINIMIZE THE DISCHARGE OF POLLUTANTS. AT A MINIMUM, SUCH MEASURES MUST BE DESIGNED, INSTALLED, IMPLEMENTED AND MAINTAINED TO:
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, CONCRETE WASHOUT, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR
- ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE; (a) LIQUID WASTE SHALL NOT BE DIRECTLY DISCHARGED INTO STORM SEWERS
- (b) WASHOUT AND CLEANOUT ACTIVITIES SHOULD BE LOCATED AS FAR AWAY AS POSSIBLE FROM SURFACE
- WATERS, NATURAL BUFFER AREAS, STORMWATER INLETS, AND CONVEYANCES.
- MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE TO PRECIPITATION AND TO STORMWATER;
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM ANY SPILLS AND LEAKS FROM. INCLUDING BUT NOT LIMITED TO VEHICLES; MECHANICAL EQUIPMENT; CHEMICAL STORAGE; AND REFUELING ACTIVITIES; AND
- 4. USE OF POLYMERS, FLOCCULANTS, OR OTHER TREATMENT CHEMICALS AT THE SITE MAY ONLY BE APPLIED WHERE TREATED STORMWATER IS DIRECTED TO A SEDIMENT CONTROL PRIOR TO DISCHARGE.
- CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN (CBMPP)
- MAINTAIN AN UPDATED CBMPP
- (a) THE CBMPP SHALL BE UPDATED AS NECESSARY TO ADDRESS CHANGES IN THE CONSTRUCTION ACTIVITY, SITE WEATHER PATTERNS, NEW TMDLS FINALIZED OR APPROVED BY EPA, NEW 303(D) LISTINGS APPROVED BY EPA, OR MANUFACTURER SPECIFICATIONS FOR SPECIFIC CONTROL TECHNOLOGIES
- (b) THE CBMPP SHALL BE AMENDED IF INSPECTIONS OR INVESTIGATIONS BY SITE STAFF OR BY LOCAL. STATE. OR FEDERAL OFFICIALS DETERMINE THAT THE EXISTING SEDIMENT CONTROL MEASURES, EROSION CONTROL MEASURES,
- OR OTHER SITE MANAGEMENT PRACTICES ARE INEFFECTIVE OR DO NOT MEET THE REQUIREMENTS OF THIS PERMIT. ALL NECESSARY MODIFICATIONS TO THE CBMPP SHALL BE MADE WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING NOTIFICATION OF THE INSPECTION UNLESS GRANTED AN EXTENSION OF TIME BY THE DEPARTMENT

(c) IF EXISTING SEDIMENT CONTROL MEASURES, EROSION CONTROL MEASURES, OR OTHER SITE MANAGEMENT PRACTICES PROVE INEFFECTIVE IN PROTECTING WATER QUALITY OR NEED TO BE MODIFIED: OR IF ADDITIONAL SEDIMENT CONTROL MEASURES. EROSION CONTROL MEASURES. OR OTHER SITE MANAGEMENT PRACTICES ARE NECESSARY TO MEET THE REQUIREMENTS OF PART III.A. B. C. D. AND E., IMPLEMENTATION SHALL BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THEN NEW LAND DISTURBANCE ACTIVITIES MUST CEASE UNTIL THE MODIFIED OR ADDITIONAL CONTROLS CAN BE IMPLEMENTED

(d) A COPY OF THE CBMPP SHALL BE MAINTAINED AT THE SITE DURING NORMAL OPERATING HOURS AS DEFINED BY PART V OF THIS PERMIT WHEN REGULATED LAND DISTURBING ACTIVITIES ARE OCCURRING

F. SPILL PREVENTION, CONTROL, AND MANAGEMENT

(a) THE APPLICABLE REQUIREMENTS OF THE ALABAMA NPDES RULES;

WATER QUALITY AND COMPLIANCE WITH THE REQUIREMENTS OF THIS PERMIT; AND

IN A CBMPP ARE EFFECTIVELY IMPLEMENTED AND MAINTAINED:

(b) THE REQUIREMENTS OF THIS PERMIT

SITES PERMITTED BY THEM OR THEIR EMPLOYER

ACCEPTANCE BY THE DIRECTOR PRIOR TO USE.

. PRE-CONSTRUCTION OBSERVATIONS

DETERMINE IF THERE ARE PRE-EXISTING AREAS OF CONCERN.

APPARENT BMP DEFICIENCIES IN THE AREA OF ACTIVE DISTURBANCE.

(b) SUCH DAILY OBSERVATIONS MAY BE PERFORMED BY APPROPRIATE SITE PERSONNEL.

H. INSPECTION REQUIREMENTS

ABOVE;

2. DAILY OBSERVATIONS

DEFICIENCIES OBSERVED.

3. SITE INSPECTIONS

ENSURE THAT

THE PERMITTEE SHALL PREPARE, IMPLEMENT, AND MAINTAIN A SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) PLAN IN ACCORDANCE WITH 40 CFR PART 112 AND ADEM ADMIN CODE R.335-6-6-.12(R) FOR ALL APPLICABLE ONSITE PETROLEUM STORAGE TANKS. THE PERMITTEE SHALL ALSO PREPARE, IMPLEMENT, AND MAINTAIN A SPCC PLAN IN ACCORDANCE WITH ADEM ADMIN CODE R.335-6-6-.12(R) FOR ANY STORED POLLUTANT(S) THAT MAY, IF SPILLED, BE REASONABLY EXPECTED TO ENTER A WATER OF THE STATE OR THE COLLECTION SYSTEM FOR A PUBLICLY OR PRIVATELY OWNED TREATMENT WORKS. THE SPCC PLAN(S) SHALL BE MAINTAINED AS A SEPARATE DOCUMENT OR AS PART OF THE CBMPP PLAN REQUIRED IN PART III.D. ABOVE. THE PERMITTEE SHALL IMPLEMENT APPROPRIATE STRUCTURAL AND/OR NON-STRUCTURAL SPILL PREVENTION, CONTROL, AND/OR MANAGEMENT SUFFICIENT TO PREVENT ANY SPILLS OF POLLUTANTS FROM ENTERING A WATER OF THE STATE OR A PUBLICLY OR PRIVATELY OWNED TREATMENT WORKS. THE PLAN(S) MUST BE CONSISTENT WITH THE REQUIREMENTS OF 40 CFR PART 112 AND/OR ADEM ADMIN CODE R.335-6-6-.12(R). ANY CONTAINMENT SYSTEM USED TO IMPLEMENT THIS REQUIREMENT SHALL BE CONSTRUCTED OF MATERIALS COMPATIBLE WITH THE SUBSTANCE(S) CONTAINED AND OF MATERIALS WHICH SHALL PREVENT THE CONTAMINATION OF GROUNDWATER AND SHALL BE CAPABLE OF RETAINING 110 PERCENT OF THE VOLUME OF THE LARGEST CONTAINER OF POLLUTANTS FOR WHICH THE CONTAINMENT SYSTEM IS PROVIDED. THE PERMITTEE SHALL MAINTAIN ONSITE OR HAVE READILY AVAILABLE SUFFICIENT OIL & GREASE ABSORBING MATERIAL AND AFLOTATION BOOMS TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS. SOIL CONTAMINATED BY PAINT OR CHEMICAL SPILLS, OIL SPILLS, ETC. MUST BE IMMEDIATELY CLEANED UP, REMEDIATED, OR BE REMOVED AND DISPOSED OF IN A DEPARTMENT APPROVED

G. TRAINING

UNLESS THE PERMITTEE HAS EMPLOYED OR CONTRACTED WITH A OCP THAT PERFORMS DUTIES AS REQUIRED BY THIS PERMIT. AND THE OCP IS READILY AVAILABLE AND ABLE TO BE PRESENT ONSITE AS OFTEN AS IS NECESSARY TO ENSURE FULL COMPLIANCE WITH THE REQUIREMENTS OF THIS PERMIT, THE PERMITTEE SHALL ENSURE THAT:

1. AT LEAST ONE ONSITE EMPLOYEE SHALL BE CERTIFIED AS A QUALIFIED CREDENTIALED INSPECTOR (QCI) BY COMPLETING AN INITIAL TRAINING AND ANNUAL REFRESHERS THROUGH AN ADEM-APPROVED QUALIFIED CREDENTIALED INSPECTOR PROGRAM (QCIP) CONDUCTED BY A COOPERATING TRAINING

2. THE QCIP MUST BE APPROVED BY THE DEPARTMENT PRIOR TO USE AND PROVIDE TRAINING IN THE FOLLOWING AREAS:

(e) THE GENERAL OPERATION OF A TURBIDITY METER OR SIMILAR DEVICE INTENDED FOR THE MEASUREMENT OF TURBIDITY.

(c) THE EVALUATION OF CONSTRUCTION SITES TO ENSURE THAT QCP DESIGNED AND CERTIFIED EROSION CONTROLS AND SEDIMENT CONTROLS DETAILED

(d) THE EVALUATION OF CONVEYANCE STRUCTURES. RECEIVING WATERS AND ADJACENT IMPACTED OFFSITE AREAS TO ENSURE THE PROTECTION OF

3. EACH INDIVIDUAL HOLDING A QCI CERTIFICATION NEED NOT BE ON-SITE CONTINUOUSLY AND THEY MAY CONDUCT SITE INSPECTIONS AT MULTIPLE

EDUCATION OR TRAINING REGARDING GENERAL EROSION CONTROLS AND SEDIMENT CONTROLS, THE REQUIREMENTS OF THIS PERMIT, AND THE GENERAL

EACH INDIVIDUAL HOLDING QCI CERTIFICATION SHALL OBTAIN ANNUAL CERTIFICATION OF SATISFACTORY COMPLETION OF FORMAL REFRESHER

OPERATION OF A TURBIDITY METER OR SIMILAR DEVICE INTENDED FOR THE MEASUREMENT OF TURBIDITY. THE REFRESHER TRAINING REQUIREMENTS,

INCLUDING BUT NOT LIMITED TO, APPROPRIATE CURRICULA, COURSE CONTENT, COURSE LENGTH, AND ANY PARTICIPANT TESTING, SHALL BE SUBJECT TO

(a) A PRE-CONSTRUCTION SITE INSPECTION SHALL BE CONDUCTED PRIOR THE PLACEMENT OF ANY BMPS, OR THE COMMENCEMENT OF LAND DISTURBING

(b) PRE-CONSTRUCTION INSPECTION SHALL CONSIST OF A COMPLETE AND COMPREHENSIVE INSPECTION OF THE ENTIRE PROPOSED CONSTRUCTION SITE

AFFECTED DITCHES, AND OTHER STORMWATER CONVEYANCES, AS WELL AS ALL PROPOSED OUTFALLS, RECEIVING WATERS AND STREAM BANKS TO

(c) PRE-CONSTRUCTION INSPECTIONS SHALL BE CONDUCTED BY THE QCP A QUALIFIED PERSON UNDER THE DIRECT SUPERVISION OF A QCP;

(d) THE INSPECTION SHALL BE DOCUMENTED AND MADE AVAILABLE TO THE DEPARTMENT UPON REQUEST

(f) THE PERMITTEE SHALL MAINTAIN RECORD OF THE PRE-CONSTRUCTION SITE INSPECTION PURSUANT TO PART IV.K.

INCLUDING ALL PROPOSED AREAS OF LAND DISTURBANCE, PROPOSED AREAS USED FOR STORAGE OF MATERIALS THAT MAY BE EXPOSED TO PRECIPITATION.

(e) PRE-CONSTRUCTION INSPECTION SHALL INCLUDE DATED ELECTRONIC PHOTOGRAPHIC DOCUMENTATION OF ALL AREAS DESCRIBED IN PARAGRAPH (B)

(a) EACH DAY THERE IS ACTIVITY AT THE SITE. THE PERMITTEE SHALL VISUALLY OBSERVE THAT PORTION OF THE CONSTRUCTION PROJECT WHERE ACTIVE

DISTURBANCE, WORK, OR CONSTRUCTION OCCURRED TO NOTE ANY RAINFALL MEASUREMENTS OCCURRING SINCE THE PREVIOUS OBSERVATION, AND ANY

(a) A SITE INSPECTION SHALL CONSIST OF A COMPLETE AND COMPREHENSIVE OBSERVATION OF THE ENTIRE CONSTRUCTION SITE INCLUDING ALL AREAS OF

AND DISTURBANCE, AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION, EQUIPMENT STORAGE AND MAINTENANCE AREAS,

AFFECTED DITCHES AND OTHER STORMWATER CONVEYANCES, AS WELL AS ALL OUTFALLS, RECEIVING WATERS AND STREAM BANKS TO DETERMINE IF, AND

(c) THE PERMITTEE SHALL MAINTAIN A LOG OF ALL DAILY OBSERVATIONS AND RECORD IN SUCH LOG ANY RAINFALL MEASUREMENTS AND BMP

(i) EFFECTIVE EROSION CONTROLS AND SEDIMENT CONTROLS HAVE BEEN FULLY IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH THIS PERMIT, THE SITE CBMPP, AND THE ALABAMA HANDBOOK;

(ii) POLLUTANT DISCHARGES ARE BEING PREVENTED/MINIMIZED AND

(iii) DISCHARGES DO RESULT IN A CONTRAVENTION OF APPLICABLE STATE WATER QUALITY STANDARDS FOR THE RECEIVING STREAM(S) OR OTHER WATERS IMPACTED OR AFFECTED BY THE PERMITTEE.

(b) SITE INSPECTIONS SHALL BE PERFORMED BY A QCI, QCP, OR A QUALIFIED PERSON UNDER THE DIRECT SUPERVISION OF A QCP.

(c) FOR NON-LINEAR PROJECTS, A SITE INSPECTION SHALL BE PERFORMED ONCE EACH MONTH AND AFTER ANY QUALIFYING PRECIPITATION EVENT, COMMENCING AS PROMPTLY AS POSSIBLE, BUT NO LATER THAN 24-HOURS AFTER RESUMING OR CONTINUING ACTIVE CONSTRUCTION OR DISTURBANCE AND COMPLETED NO LATER THAN 72-HOURS FOLLOWING THE QUALIFYING PRECIPITATION EVENT;

(d) FOR LINEAR PROJECTS WHERE ACTIVE CONSTRUCTION OR AREAS WHERE PERENNIAL VEGETATION HAS NOT BEEN FULLY ESTABLISHED. MEETING THE DEFINITION OF FINAL STABILIZATION. A SITE INSPECTION SHALL BE PERFORMED AT LEAST ONCE A MONTH AND AFTER ANY QUALIFYING PRECIPITATION EVENT SINCE THE LAST INSPECTION. BEGINNING AS PROMPTLY AS POSSIBLE, BUT NO LATER THAN 24-HOURS AFTER RESUMING OR CONTINUING ACTIVE CONSTRUCTION OR DISTURBANCE AND COMPLETED NO LATER THAN FIVE (5) DAYS AFTER THE QUALIFYING PRECIPITATION EVENT; (e) A SITE INSPECTION SHALL ALSO BE PERFORMED AS OFTEN AS IS NECESSARY UNTIL ANY POORLY FUNCTIONING EROSION CONTROLS OR SEDIMENT

CONTROLS, NON-COMPLIANT DISCHARGES, OR ANY OTHER DEFICIENCIES OBSERVED DURING A PRIOR INSPECTION ARE CORRECTED AND DOCUMENTED AS BEING IN COMPLIANCE WITH THE REQUIREMENTS OF THIS PERMIT (f) ON ALL ACTIVE DISTURBANCE, DREDGING, EXCAVATION, OR CONSTRUCTION UNDERTAKEN OR LOCATED WITHIN THE BANKS OF A WATERBODY.

INCLUDING BUT NOT LIMITED TO, EQUIPMENT/VEHICLE CROSSINGS, PIPELINES, OR OTHER TRANSMISSION LINE INSTALLATION, CONVEYOR STRUCTURE INSTALLATION, AND WATERBODY RELOCATION, STREAMBANK STABILIZATION, OR OTHER ALTERATIONS, A SITE INSPECTION SHALL BE PERFORMED AT LEAST ONCE A WEEK AND AS OFTEN AS IS NECESSARY UNTIL THE DISTURBANCE/ACTIVITY IMPACTING THE WATERBODY IS COMPLETE AND RECLAMATION OR EFFECTIVE STORMWATER QUALITY REMEDIATION IS ACHIEVED.

- (g) THE INSPECTION SHALL BE RECORDED IN A WRITTEN FORMAT ACCEPTABLE TO THE DEPARTMENT. THE INSPECTION RECORD SHALL INCLUDE: (i) THE SITE NAME AND LOCATION, DISCHARGE POINT NUMBER, DATE, TIME AND EXACT PLACE OF ANY SAMPLING PERFORMED
- (ii) THE NAME(S) OF PERSON(S) WHO PERFORMED THE INSPECTION AND/OR OBTAINED ANY SAMPLES OR MEASUREMENTS TAKEN;
- (iii) THE DATES AND TIMES OF THE INSPECTION AND ANY SAMPLES OR MEASUREMENTS TAKEN

(iv) A DESCRIPTION OF ANY SAMPLING AND ANALYTICAL TECHNIQUES OR METHODS USED, INCLUDING SOURCE OF METHOD AND METHOD NUMBER; (v) THE RESULTS OF ANY ANALYSES PERFORMED;

(vi) WEATHER CONDITIONS AT THE TIME OF THE INSPECTION;

(VII)DESCRIPTION OF ANY DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE; (viii) LOCATIONS OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;

- (ix) LOCATIONS OF BMPS THAT NEED TO BE MAINTAINED;
- (x) LOCATIONS OF BMPS THAT FAILED TO OPERATE AS DESIGNED;

(xi) LOCATIONS WHERE BMPS REQUIRED BY THE CBMPP ARE NOT INSTALLED OR INSTALLED IN A MANNER INCONSISTENT WITH THE CBMPP; AND (XII)LOCATIONS WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF THE INSPECTION. THIS REQUIREMENT IS APPLICABLE ONLY TO SITE INSPECTIONS PERFORMED BY A QCP OR QUALIFIED PERSONS UNDER THE DIRECT SUPERVISION OF A QCP. (b) RESULTS OF ALL REQUIRED INSPECTIONS SHALL BE AVAILABLE FOR INSPECTION NO LATER THAN 15 DAYS FOLLOWING THE DATE OF THE INSPECTIONS. MONITORING OR SAMPLING

- (i) REPORTS SHALL BE LEGIBLE AND BEAR AN ORIGINAL SIGNATURE OR IN THE CASE OF ELECTRONIC REPORTS, AN ELECTRONIC SIGNATURE.
- 4. CBMPP EVALUATION (a) THE QCP SHALL PERFORM AN ONSITE EVALUATION OF ALL EROSION AND SEDIMENT CONTROLS BEING IMPLEMENTED FOR ADEQUACY AND
- CONSISTENCY WITH SITE CONDITIONS.

(b) THE CBMPP EVALUATION SHALL BE PERFORMED AS OFTEN AS NECESSARY UNTIL POORLY FUNCTIONING OR DAMAGED EROSION CONTROLS OR SEDIMENT CONTROLS ARE CORRECTED, AND, AT A MINIMUM, ONCE EVERY SIX MONTHS. (c) IF, BASED ON THE CBMPP EVALUATION, THE QCP IDENTIFIES ANY NEEDED MODIFICATIONS OR ADDITIONS TO EROSION AND SEDIMENT CONTROLS, THE CBMPP SHALL BE UPDATED IN ACCORDANCE WITH PART III.E.4.

(d) THE PERMITTEE SHALL MAINTAIN APPROPRIATE DOCUMENTATION OF THE CBMPP EVALUATION.

ANY POORLY FUNCTIONING EROSION CONTROLS OR SEDIMENT CONTROLS, NON-COMPLIANT DISCHARGES, OR ANY OTHER DEFICIENCIES OBSERVED DURING THE INSPECTIONS REQUIRED UNDER PART III.G.2 SHALL BE CORRECTED AS SOON AS POSSIBLE, BUT NOT TO EXCEED FIVE (5) DAYS OF THE INSPECTION UNLESS PREVENTED BY UNSAFE WEATHER CONDITIONS. IF UNSAFE WEATHER CONDITIONS ARE PRESENT, THEY SHOULD BE DOCUMENTED. 2. IN THE EVENT OF A BREACH OF A SEDIMENT BASIN/POND TEMPORARY CONTAINMENT MEASURES SHALL BE TAKEN WITHIN 24 HOURS AFTER THE

CORRECTIVE MEASURES CANNOT BE IMPLEMENTED WITHIN THE TIMEFRAMES PROVIDED HEREIN THE PERMITTEE SHALL CONTACT THE DEPARTMENT; AND THE OPERATOR SHALL PROMPTLY TAKE ALL REASONABLE STEPS TO REMOVE, TO THE MAXIMUM EXTENT PRACTICAL, POLLUTANTS DEPOSITED OFFSITE OR IN ANY WATERBODY OR STORMWATER CONVEYANCE STRUCTURE. SUSPENSION OF MONITORING

I. CORRECTIVE ACTION

SUSPENSION OF APPLICABLE MONITORING AND INSPECTION REQUIREMENTS FOR PHASED PROJECTS OR DEVELOPMENTS MAY BE GRANTED PROVIDED: THE DEPARTMENT IS NOTIFIED IN WRITING AT LEAST THIRTY DAYS PRIOR TO THE REQUESTED SUSPENSION THE PERMITTEE AND THE QCP CERTIFY IN THE REQUEST THAT ALL DISTURBANCE HAS BEEN GRADED, STABILIZED, AND/OR FULLY VEGETATED OR

INSPECTION. PERMANENT CORRECTIVE MEASURES SHALL BE IMPLEMENTED WITHIN FIVE (5) DAYS OF THE INSPECTION: HOWEVER. IF PERMANENT

OTHERWISE PERMANENTLY COVERED, AND THAT APPROPRIATE, EFFECTIVE STEPS HAVE BEEN AND WILL BE TAKEN BY THE PERMITTEE TO ENSURE COMPLIANCE WITH THE REQUIREMENTS OF THIS PERMIT AND COMMIT THAT THESE MEASURES WILL REMAIN CONTINUALLY EFFECTIVE UNTIL THE PERMIT IS PROPERLY TERMINATED; THE REQUEST SHOULD BE ACCOMPANIED BY A CONSTRUCTION STORMWATER INSPECTION REPORT CONFIRMING PERMANENT STABILIZATION OF ALL

PREVIOUSLY DISTURBED AREAS, INCLUDING MATERIAL STORAGE AREAS, AND ASSOCIATED SUPPORT ACTIVITIES. IN ADDITION, PHOTO DOCUMENTATION MAY EQUIPMENT), PRACTICES, OR OPERATIONS REGULATED OR REQUIRED UNDER THIS PERMIT; AND BE SUBMITTED FOR CONFIRMATION PURPOSES; AND

PHASE OF DEVELOPMENT AND THE PERMITTEE COMPLIES WITH THE REQUIREMENTS OF THIS PERMIT PRIOR TO COMMENCEMENT OF ADDITIONAL DISTURBANCE.

PRECIPITATION MEASUREMENT

THE PERMITTEE SHALL MEASURE AND RECORD ALL PRECIPITATION OCCURRING AT THE CONSTRUCTION SITE (INCLUDING RAINFALL AND SNOWFALL) PRECIPITATION MEASUREMENTS SHALL BE TAKEN USING CONTINUOUS RECORDERS, DAILY READINGS OF AN ONSITE RAIN GAUGE, DAILY READINGS OF AN OFFSITE PRECIPITATION GAUGE LOCATED ADJACENT TO OR IN CLOSE PROXIMITY (FOR NON-LINEAR PROJECTS A MAXIMUM 1 MILE DISTANCE) TO THE FACILITY, OR BY OTHER MEASUREMENT DEVICES ACCEPTABLE TO THE DEPARTMENT (E.G. ONLINE RESOURCES). PRECIPITATION MEASUREMENTS MUST BE REPRESENTATIVE OF THE PERMITTEE'S SITE.

L. IMPAIRED WATERS AND TOTAL MAXIMUM DAILY LOAD (TMDL) WATERS

THE PERMITTEE MUST DETERMINE WHETHER THE DISCHARGE FROM ANY PART OF THE CONSTRUCTION SITE CONTRIBUTES DIRECTLY OR INDIRECTLY TO A WATERBODY THAT IS INCLUDED ON THE LATEST §303(D) LIST OR DESIGNATED BY THE DEPARTMENT AS IMPAIRED;

IF THE PERMITTEE'S CONSTRUCTION SITE DISCHARGES TO A WATERBODY INCLUDED ON THE LATEST §303(D) OR DESIGNATED BY THE DEPARTMENT AS IMPAIRED. IT MUST DEMONSTRATE THE DISCHARGES. AS CONTROLLED BY THE PERMITTEE, DO NOT CAUSE OR CONTRIBUTE TO THE IMPAIRMENT. THE CBMPP MUST DETAIL THE BMPS THAT ARE BEING UTILIZED TO CONTROL DISCHARGES OF POLLUTANTS ASSOCIATED WITH THE IMPAIRMENT. IF EXISTING BMPS ARE NOT SUFFICIENT TO ACHIEVE THIS DEMONSTRATION, THE PERMITTEE MUST, WITHIN SIXTY (60) DAYS FOLLOWING THE PUBLICATION OF THE LATEST FINAL \$303(D) LIST, DEPARTMENT DESIGNATION, OR THE EFFECTIVE DATE OF THIS PERMIT, SUBMIT A REVISED CBMPP DETAILING NEW OR MODIFIED BMPS. THE CBMPP MUST BE REVISED AS DIRECTED BY THE DEPARTMENT AND THE NEW OR MODIFIED BMPS MUST BE IMPLEMENTED WITHIN NINETY (90) DAYS FROM

THE PUBLICATION OF THE LATEST FINAL §303(D) LIST OR DEPARTMENT DESIGNATION. 3. PERMITTEES DISCHARGING FROM CONSTRUCTION SITES INTO WATERS WITH EPA-APPROVED TMDLS AND/OR EPA ESTABLISHED TMDLS

(a) THE PERMITTEE MUST DETERMINE WHETHER ITS CONSTRUCTION SP

(b) ITE DISCHARGES TO A WATERBODY FOR WHICH A TOTAL MAXIMUM DAILY LOAD (TMDL) HAS BEEN ESTABLISHED OR APPROVED BY EPA, IF A CONSTRUCTION SITE DISCHARGES INTO A WATER BODY WITH AN EPA APPROVED OR ESTABLISHED TMDL, THEN THE CBMPP MUST INCLUDE BMPS TARGETED TO MEET THE ASSUMPTIONS AND REQUIREMENTS OF THE TMDL. IF ADDITIONAL BMPS WILL BE NECESSARY TO MEET THE REQUIREMENTS OF THE TMDL, THE CBMPP MUST INCLUDE A SCHEDULE FOR INSTALLATION AND/OR IMPLEMENTATION OF SUCH BMPS.

(c) IF, DURING THIS PERMIT CYCLE, A TMDL IS APPROVED BY EPA OR A TMDL IS ESTABLISHED BY EPA FOR ANY WATERBODY INTO WHICH A CONSTRUCTION SITE DISCHARGES, THE PERMITTEE MUST REVIEW THE APPLICABLE TMDL

TO SEE IF IT INCLUDES REQUIREMENTS FOR CONTROL OF STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE IF IT IS FOUND THAT THE PERMITTEE MUST IMPLEMENT SPECIFIC ALLOCATIONS OF THE TMDL. IT MUST ASSESS WHETHER THE ASSUMPTIONS AND REQUIREMENTS OF THE TMDL ARE BEING MET THROUGH IMPLEMENTATION OF EXISTING BMPS OR IF ADDITIONAL BMPS ARE NECESSARY. THE CBMPP MUST INCLUDE BMPS TARGETED TO MEET THE ASSUMPTIONS AND REQUIREMENTS OF THE TMDL. IF EXISTING BMPS ARE NOT SUFFICIENT, THE PERMITTEE MUST, WITHIN SIXTY (6O) DAYS FOLLOWING THE APPROVAL OR ESTABLISHMENT OF THE TMDL BY EPA, SUBMIT A REVISED

CBMPP DETAILING NEW OR MODIFIED BMPS TO BE UTILIZED ALONG WITH A SCHEDULE OF INSTALLATION AND/OR IMPLEMENTATION OF SUCH BMPS. ANY NEW OR MODIFIED BMPS MUST BE IMPLEMENTED WITHIN NINETY (90) DAYS UNLESS AN ALTERNATE DATE IS APPROVED BY THE DEPARTMENT, FROM THE ESTABLISHMENT OR APPROVAL OF THE FMDL BY EPA. PART IV STANDARD AND GENERAL PERMIT CONDITIONS

DUTY TO COMPLY

THE PERMITTEE MUST COMPLY WITH ALL TERMS AND CONDITIONS OF THIS PERMIT. ANY PERMIT NONCOMPLIANCE CONSTITUTES A VIOLATION OF THE AWPCA AND THE FWPCA AND IS GROUNDS FOR: ENFORCEMENT ACTION, TERMINATION, OR SUSPENSION OF COVERAGE UNDER THIS PERMIT; DENIAL OF A NOI FOR RENEWAL; A REQUIREMENT THAT THE PERMITTEE SUBMIT AN APPLICATION FOR AN INDIVIDUAL NPDES PERMIT.

FOR ANY VIOLATION(S) OF THIS PERMIT, THE PERMITTEE MAY BE SUBJECT TO A CIVIL PENALTY AS AUTHORIZED BY THE AWPCA. THE FWPCA, AND CODE OF ALABAMA 1975, §§22-22A-1 ET, SEQ., AS AMENDED, AND/OR A CRIMINAL PENALTY AS AUTHORIZED BY CODE OF ALABAMA 1975, §22-22-1 ET. SEQ., AS AMENDED.

3. THE DISCHARGE OF A POLLUTANT FROM A SOURCE NOT SPECIFICALLY IDENTIFIED IN THE NOI TO BE COVERED UNDER THIS PERMIT AND NOT SPECIFICALLY INCLUDED IN THE DESCRIPTION OF AN OUTFALL (WHERE APPLICABLE) IN THIS PERMIT IS NOT AUTHORIZED AND SHALL CONSTITUTE NONCOMPLIANCE WITH THIS PERMIT. NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PRECLUDE OR NEGATE THE PERMITTEE'S RESPONSIBILITY OR

PLY FOR, OBTAIN, OR COMPLY WITH OTHER ADEM, FEDERAL, STATE, OR LOCAL GOVERNMENT PERMITS, CERTIFICATIONS, LICENSES, OR OTHER APPROVALS.

THE PERMITTEE AUTHORIZED TO DISCHARGE UNDER THIS GENERAL PERMIT, WHO WISHES TO CONTINUE TO DISCHARGE UPON THE EXPIRATION OF THIS PERMIT, SHALL SUBMIT A NOI TO BE COVERED BY THE REISSUED GENERAL PERMIT. SUCH NOI SHALL BE SUBMITTED AT LEAST 30 DAYS PRIOR TO THE EXPIRATION DATE OF THIS GENERAL

FAILURE OF THE PERMITTEE TO SUBMIT A COMPLETE NOI FOR REAUTHORIZATION UNDER THIS PERMIT AT LEAST 30 DAYS PRIOR TO THE PERMIT'S EXPIRATION WILL VOID THE AUTOMATIC CONTINUATION OF THE AUTHORIZATION TO DISCHARGE UNDER THIS PERMIT AS PROVIDED BY ADEM ADMIN. CODE R. 335-6-6-.06. SHOULD THE PERMIT NOT BE REISSUED FOR ANY REASON PRIOR TO ITS EXPIRATION DATE, PERMITTEES WHO FAILED TO MEET THE 30-DAY

SUBMITTAL DEADLINE WILL BE ILLEGALLY DISCHARGING WITHOUT A PERMIT AFTER THE EXPIRATION DATE OF THE

C. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE

IT SHALL NOT BE A DEFENSE FOR THE PERMITTEE IN AN ENFORCEMENT ACTION THAT IT WOULD HAVE BEEN NECESSARY TO HALT OR REDUCE CONSTRUCTION ACTIVITIES IN ORDER TO MAINTAIN COMPLIANCE WITH THE CONDITIONS OF THE PERMIT.

D. DUTY TO MITIGATE

LIABILITY TO APP

B. DUTY TO REAPPLY

THE PERMITTEE SHALL TAKE ALL REASONABLE STEPS TO MITIGATE OR PREVENT ANY VIOLATION OF THE PERMIT OR TO MINIMIZE OR PREVENT ANY ADVERSE IMPACT OF ANY PERMIT VIOLATION

E. PROPER OPERATION AND MAINTENANC THE PERMITTEE SHALL AT ALL TIMES PROPERLY OPERATE AND MAINTAIN ALL FACILITIES AND SYSTEMS OF TREATMENT AND CONTROL (AND RELATED APPURTENANCES) WHICH ARE INSTALLED OR USED BY THE PERMITTEE TO ACHIEVE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT. PROPER OPERATION AND MAINTENANCE INCLUDES EFFECTIVE PERFORMANCE, ADEQUATE FUNDING, ADEQUATE OPERATOR STAFFING AND TRAINING, AND ADEQUATE LABORATORY AND PROCESS CONTROLS, INCLUDING APPROPRIATE QUALITY ASSURANCE PROCEDURES. THIS PROVISION REQUIRES THE OPERATION OF BACKUP OR AUXILIARY FACILITIES ONLY WHEN NECESSARY TO ACHIEVE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT.

F. PERMIT MODIFICATION, REVOCATION AND REISSUANCE, SUSPENSION, AND TERMINATION 1. DURING THE TERM OF THIS GENERAL PERMIT THE DIRECTOR MAY. FOR CAUSE, AND SUBJECT TO THE PUBLIC NOTICE PROCEDURE OF ADEM ADMINISTRATIVE CODE R. 335-6-6-21, MODIFY OR REVOKE AND REISSUE THIS GENERAL PERMIT. THE CAUSES FOR THIS ACTION INCLUDE THE CAUSES LISTED BELOW: (a) WHEN THE DIRECTOR RECEIVES ANY INFORMATION THAT WAS NOT AVAILABLE AT THE TIME OF PERMIT ISSUANCE AND THAT WOULD HAVE JUSTIFIED THE APPLICATION OF DIFFERENT PERMIT CONDITIONS AT THE TIME OF ISSUANCE:

(b) WHEN THE STANDARDS OR REGULATIONS ON WHICH THE PERMIT WAS BASED HAVE BEEN CHANGED BY PROMULGATION OF AMENDED STANDARDS OR REGULATIONS OR BY JUDICIAL DECISION AFTER THE PERMIT WAS

(c) UPON FAILURE OF THE STATE TO NOTIFY, AS REQUIRED BY SECTION 402(B)(3) OF THE FWPCA, ANOTHER STATE WHOSE WATERS MAY BE AFFECTED BY A DISCHARGE; (d) WHEN THE LEVEL OF DISCHARGE OF ANY POLLUTANT WHICH IS NOT LIMITED IN THE PERMIT EXCEEDS THE LEVEL WHICH CAN BE ACHIEVED BY THE TECHNOLOGY BASED TREATMENT REQUIREMENTS APPROPRIATE TO THE DISCHARGE

UNDER 40 CFR 125.3(C)(1994) (e) TO CORRECT TECHNICAL MISTAKES, SUCH AS ERRORS IN CALCULATIONS, OR MISTAKEN INTERPRETATIONS OF

THE LAW MADE IN DETERMINING PERMIT CONDITIONS; (f) WHEN THE PERMIT LIMITATIONS ARE FOUND NOT TO BE PROTECTIVE OF WATER QUALITY STANDARDS; OR (g) FOR ANY APPLICABLE CAUSE SET FORTH IN 40 CFR SECTIONS 122.61, 122.62, 122.63, AND 122.64 (1994). 2. SUBJECT TO THE PUBLIC NOTICE PROCEDURES OF RULE 335-6-.6-21, THE DIRECTOR MAY TERMINATE THIS

GENERAL PERMIT DURING ITS TERM FOR ANY OF THE CAUSES FOR MODIFICATION LISTED IN ADEM ADMIN CODE R. 335-6-6-.23(7)(A).

3. THE DIRECTOR MAY TERMINATE COVERAGE OF A DISCHARGE UNDER THIS GENERAL PERMIT FOR CAUSE. CAUSE SHALL INCLUDE BUT NOT BE LIMITED TO NONCOMPLIANCE WITH DEPARTMENT RULES: OR A FINDING THAT THE GENERAL PERMIT DOES NOT CONTROL WITH WASTEWATER DISCHARGE SUFFICIENTLY TO PROTECT WATER QUALITY OR COMPLY WITH TREATMENT BASED LIMITS APPLICABLE TO THE DISCHARGE. 4. ANY PERSON MAY PETITION THE DIRECTOR FOR WITHDRAWAL OF THIS GENERAL PERMIT AUTHORITY FROM A DISCHARGER. THE DIRECTOR SHALL CONSIDER THE INFORMATION SUBMITTED BY THE PETITIONER AND ANY OTHER INFORMATION HE MAY BE AWARE OF AND MAY OBTAIN ADDITIONAL INFORMATION FROM THE DISCHARGER AND THROUGH INSPECTIONS BY DEPARTMENT STAFF AND SHALL DECIDE IF COVERAGE SHOULD BE WITHDRAWN. THE PETITIONER SHALL BE INFORMED OF THE DIRECTOR'S DECISION AND SHALL BE PROVIDED A SUMMARY OF THE NFORMATION CONSIDERED

G. PROPERTY RIGHTS

THIS PERMIT DOES NOT CONVEY ANY PROPERTY RIGHTS IN EITHER REAL OR PERSONAL PROPERTY, OR ANY EXCLUSIVE PRIVILEGES, NOR DOES IT AUTHORIZE ANY INJURY TO PERSONS OR PROPERTY OR INVASION OF OTHER PRIVATE RIGHTS, OR ANY INFRINGEMENT OF FEDERAL, STATE, OR LOCAL LAWS OR REGULATIONS, NOR DOES IT AUTHORIZE OR APPROVE THE CONSTRUCTION OF ANY PHYSICAL STRUCTURES OR FACILITIES OR THE UNDERTAKING OF ANY WORK IN ANY WATERS OF THE STATE OR OF THE UNITED STATES.

H. DUTY TO PROVIDE INFORMATION

1. THE PERMITTEE SHALL FURNISH TO THE DIRECTOR, WITHIN A REASONABLE TIME, ANY INFORMATION WHICH THE DIRECTOR MAY REQUEST TO DETERMINE WHETHER CAUSE EXISTS FOR MODIFYING, REVOKING AND RE-ISSUING, SUSPENDING, OR TERMINATING THIS PERMIT OR TO DETERMINE COMPLIANCE WITH THIS PERMIT. THE PERMITTEE SHALL ALSO FURNISH TO THE DIRECTOR UPON REQUEST, COPIES OF RECORDS REQUIRED TO BE KEPT BY THIS PERMIT THE PERMITTEE SHALL INFORM THE DIRECTOR IN WRITING OF ANY CHANGE IN THE PERMITTEE'S MAILING ADDRESS OR TELEPHONE NUMBER OR IN THE PERMITTEE'S DESIGNATION OF A FACILITY CONTACT OR OFFICER HAVING THE AUTHORITY AND RESPONSIBILITY TO PREVENT AND ABATE VIOLATIONS OF THE AWPCA. THE DEPARTMENT'S RULES AND THE TERMS AND CONDITIONS OF THIS PERMIT NO LATER THAN TEN (10) DAYS AFTER SUCH CHANGE. UPON REQUEST OF THE DIRECTOR. THE PERMITTEE SHALL FURNISH AN UPDATE OF ANY INFORMATION PROVIDED IN THE

3. IF THE PERMITTEE BECOMES AWARE THAT IT FAILED TO SUBMIT ANY RELEVANT FACTS IN THE NOI: OR SUBMITTED INCORRECT INFORMATION IN THE NOI; OR IN ANY REPORT TO THE DIRECTOR, IT SHALL PROMPTLY SUBMIT SUCH FACTS OR INFORMATION WITH A WRITTEN EXPLANATION FOR THE MISTAKE AND/OR OMISSION.

I. INSPECTION AND ENTRY THE PERMITTEE SHALL ALLOW THE DIRECTOR, OR AN AUTHORIZED REPRESENTATIVE, UPON THE PRESENTATION OF CREDENTIALS AND OTHER DOCUMENTS AS MAY BE REQUIRED BY LAW TO:

1. ENTER UPON THE PERMITTEE'S PREMISES WHERE A REGULATED ACTIVITY IS LOCATED OR CONDUCTED, OR WHERE RECORDS MUST BE KEPT UNDER THE CONDITIONS OF THIS PERMIT 2. HAVE ACCESS TO AND COPY, AT REASONABLE TIMES, ANY RECORDS THAT MUST BE KEPT UNDER THE CONDITIONS OF THIS PERMIT; 3. INSPECT AT REASONABLE TIMES ANY FACILITIES, EQUIPMENT (INCLUDING MONITORING AND CONTROL

SAMPLE OR MONITOR AT REASONABLE TIMES. FOR THE PURPOSES OF ASSURING PERMIT COMPLIANCE OR AS THE PERMITTEE NOTIFIES THE DEPARTMENT IN WRITING WITHIN 15 DAYS PRIOR TO RESUMPTION OF DISTURBANCE OR COMMENCEMENT OF THE NEXT OTHERWISE AUTHORIZED BY THE AWPCA, ANY ACTIVITIES, SUBSTANCES OR PARAMETERS AT ANY LOCATION. NONCOMPLIANCE NOTIFICATION

1. THE PERMITTEE MUST NOTIFY THE DEPARTMENT IF, FOR ANY REASON, THE PERMITTEE'S DISCHARGE:

(a) POTENTIALLY THREATENS HUMAN HEALTH OR WELFARE;

(b) THREATENS FISH OR AQUATIC LIFE; (c) CAUSES AN IN-STREAM WATER QUALITY CRITERION AS STATED IN ADEM. ADMIN. CODE CH. 335-6-10 TO BE

(d) DOES NOT COMPLY WITH AN APPLICABLE TOXIC POLLUTANT EFFLUENT STANDARD OR PROHIBITION ESTABLISHED UNDER SECTION 307(A) OF THE FWPCA, 33 U.S.C. §1317(A); OR (e) CONTAINS A QUANTITY OF A HAZARDOUS SUBSTANCE WHICH HAS BEEN DETERMINED MAY BE HARMFUL TO HE PUBLIC HEALTH OR WELFARE UNDER SECTION 311(B)(4) OF THE FWPCA, 33 U.S.C. §1321(B)(4). THE PERMITTEE SHALL ORALLY REPORT THE OCCURRENCES, DESCRIBING THE CIRCUMSTANCES AND POTENTIAL

EFFECTS OF SUCH DISCHARGE TO THE DIRECTOR NO LATER THAN 24-HOURS AFTER THE PERMITTEE BECOMES AWARE GENERAL EROSION AND SEDIMENT CONTROL NOTES: OF THE OCCURRENCE OF SUCH DISCHARGE. IN ADDITION TO THE ORAL REPORT. THE PERMITTEE SHALL SUBMIT TO THE DIRECTOR A WRITTEN REPORT AS PROVIDED IN PART IV.J.2 BELOW, NO LATER THAN FIVE (5) DAYS AFTER BECOMING AWARE OF THE OCCURRENCE OF SUCH DISCHARGE. 2. THE WRITTEN REPORT SHALL BE IN A FORMAT ACCEPTABLE TO THE DEPARTMENT AND SHALL INCLUDE: A DESCRIPTION OF THE NONCOMPLIANT EVENT, ITS CAUSE, IF KNOWN, AND LOCATION:

(b) THE PERIOD OF NONCOMPLIANCE, INCLUDING EXACT DATES AND TIMES OR, IF NOT CORRECTED, THE ANTICIPATED TIME THE NONCOMPLIANCE IS EXPECTED TO CONTINUE; AND (c) A DESCRIPTION OF THE STEPS TAKEN AND/OR BEING TAKEN TO REDUCE OR ELIMINATE THE NONCOMPLYING DISCHARGE AND TO PREVENT ITS RECURRENCE.

K. RETENTION OF RECORDS 1. THE PERMITTEE SHALL RETAIN RECORDS OF ALL INSPECTION RECORDS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, COPIES OF ALL REPORTS REQUIRED BY THE PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE SUCH REPORTS. FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE OF THE INSPECTION. SAMPLE MEASUREMENT, OR REPORT, THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE DIRECTOR AT ANY TIME, IF LITIGATION OR OTHER ENFORCEMENT ACTION, UNDER THE AWPCA AND/OR THE FWPCA, IS ONGOING WHICH INVOLVES ANY OF THESE RECORDS, THE RECORDS SHALL BE KEPT UNTIL THE LITIGATION IS RESOLVED. 2. ALL RECORDS REQUIRED TO BE KEPT FOR A PERIOD OF THREE (3) YEARS SHALL BE KEPT AT THE PERMITTED FACILITY OR AN ALTERNATE LOCATION IDENTIFIED TO THE DEPARTMENT IN WRITING AND SHALL BE AVAILABLE FOR

INSPECTION UPON REQUEST.

L. SIGNATORY REQUIREMENTS

M. TRANSFERS

O. UPSET

THE NOI AND ALL REPORTS OR INFORMATION SUBMITTED TO THE DIRECTOR SHALL BE SIGNED AND CERTIFIED ACCORDING TO THE REQUIREMENT OF ADEM ADMIN CODE R. 335-6-6-.09. WHERE REQUIRED BY THIS PERMIT, DOCUMENTS WILL ALSO BE SIGNED BY A QCP OR QCI.

THIS PERMIT MAY NOT BE TRANSFERRED WITHOUT NOTICE TO THE DIRECTOR AND SUBSEQUENT MODIFICATION OR REVOCATION AND REISSUANCE OF THIS PERMIT. IN THE CASE OF A CHANGE IN NAME, OWNERSHIP OR CONTROL OF THE PERMITTEE'S PREMISES, A REQUEST FOR PERMIT MODIFICATION IN A FORMAT ACCEPTABLE TO THE DIRECTOR IS REQUIRED WITHIN 15 DAYS OF THE CHANGE OCCURRING. N. BYPASS

ANY BYPASS OF EROSION CONTROLS, SEDIMENT CONTROLS, OR ANY OTHER STORMWATER MANAGEMENT/TREATMENT CONTROLS SPECIFIED IN THE CBMPP IS PROHIBITED EXCEPT AS PROVIDED BY ADEM ADMIN CODE R. 335-6-6-.12(M).

1. EFFECT OF AN UPSET. AN UPSET CONSTITUTES AN AFFIRMATIVE DEFENSE TO AN ACTION BROUGHT FOR NONCOMPLIANCE WITH TECHNOLOGY BASED PERMIT LIMITATION IF THE REQUIREMENTS OF SUBPARAGRAPH 335-6-6-.12(N)2. ARE MET.

2. CONDITIONS NECESSARY FOR DEMONSTRATION OF AN UPSET. A PERMITTEE WHO WISHES TO ESTABLISH THE AFFIRMATIVE DEFENSE OF AN UPSET SHALL DEMONSTRATE THROUGH PROPERLY SIGNED, CONTEMPORANEOUS OPERATING LOGS, OR OTHER RELEVANT EVIDENCE THAT

(a) AN UPSET OCCURRED AND THAT THE PERMITTEE CAN IDENTIFY THE SPECIFIC CAUSE(S) OF THE UPSET;

(b) THE TREATMENT FACILITY WAS AT THE TIME BEING PROPERLY OPERATED;

(c) THE PERMITTEE SUBMITTED NOTICE OF THE UPSET AS REQUIRED IN SUBPARAGRAPH 335-6-6-.12(L)6.; AND (d) THE PERMITTEE COMPLIED WITH ANY REMEDIAL MEASURES REQUIRED UNDER PARAGRAPH 335-6-6-.12(D). 3. BURDEN OF PROOF. IN ANY ENFORCEMENT PROCEEDING THE PERMITTEE SEEKING TO ESTABLISH THE

OCCURRENCE OF AN UPSET HAS THE BURDEN OF PROOF.

P. SEVERABILITY THE PROVISIONS OF THIS PERMIT ARE SEVERABLE, AND IF ANY PROVISION OF THIS PERMIT OR THE APPLICATION OF ANY PROVISION OF THIS PERMIT TO ANY CIRCUMSTANCE IS HELD INVALID, THE APPLICATION OF SUCH PROVISION TO OTHER CIRCUMSTANCES, AND THE REMAINDER OF THIS PERMIT SHALL NOT BE AFFECTED THEREBY. Q. ISSUANCE OF AN INDIVIDUAL PERMIT

THE DIRECTOR MAY REQUIRE THE PERMITTEE TO OBTAIN AN INDIVIDUAL PERMIT FOR DISCHARGES COVERED BY THIS PERMIT IN ACCORDANCE WITH ADEM ADMIN. CODE R. 335-6-6-.23(9). R. REQUEST FOR INDIVIDUAL PERMIT BY GENERAL PERMIT HOLDER 1. ANY PERSON COVERED BY THIS GENERAL PERMIT MAY APPLY FOR TERMINATION OF COVERAGE BY APPLYING FOR AN INDIVIDUAL NPDES PERMIT

2. A PERMIT APPLICATION SUBMITTED VOLUNTARILY OR AT THE DIRECTION OF THE DIRECTOR FOR THE PURPOSE OF TERMINATION OF COVERAGE BY THIS GENERAL PERMIT SHALL BE PROCESSED IN ACCORDANCE WI

FOUND IN ADEM ADMIN. CODE CH. 335-6-6 APPLICABLE TO INDIVIDUAL PERMITS. TERMINATION OF COVERAGE

THE DIRECTOR MAY SUSPEND OR TERMINATE COVERAGE UNDER THIS PERMIT FOR CAUSE WITHOUT THE CONSENT OF THE PERMITTEE. CAUSE SHALL INCLUDE, BUT NOT BE LIMITED TO NONCOMPLIANCE WITH THIS PERMIT OR THE APPLICABLE REQUIREMENTS OF DEPARTMENT RULES, OR A FINDING THAT THIS PERMIT DOES NOT CONTROL THE STORMWATER DISCHARGE SUFFICIENTLY TO PROTECT WATER QUALITY.

1. NOTICE OF TERMINATION THE PERMITTEE MUST SUBMIT A NOTICE OF TERMINATION (NOT) IN A FORMAT ACCEPTABLE TO THE DEPARTMENT WITHIN THIRTY (30) DAYS OF ONE OF THE FOLLOWING CONDITIONS:

(a) FINAL STABILIZATION AS DEFINED IN PART V HAS BEEN ACHIEVED ON ALL PORTIONS OF THE SITE; (b) ANOTHER OPERATOR HAS ASSUMED CONTROL OVER ALL AREAS OF THE SITE THAT HAVE NOT ACHIEVED FINAL STABILIZATION AND THE NEW OPERATOR HAS SUBMITTED AN NOI FOR COVERAGE UNDER THIS PERMIT; OR

(c) COVERAGE UNDER AN INDIVIDUAL PERMIT OR ALTERNATIVE GENERAL PERMIT HAS BEEN OBTAINED. 2. CONTENT OF THE NOTICE OF TERMINATION

THE NOT SHALL INCLUDE:

(a) THE PERMITTEE NAME, PERMIT NUMBER, AND LOCATION OF THE SITE; AND (b) CERTIFICATION BY THE PERMITTEE AND THE QCP THAT ALL CONSTRUCTION ACTIVITY COVERED BY THIS PERMIT

HAS BEEN COMPLETED AND FINAL STABILIZATION HAS BEEN ACHIEVED; OR (c) IDENTIFICATION, INCLUDING COMPLETE CONTACT INFORMATION, OF THE PERSON THAT HAS ASSUMED LEGAL

OR OPERATIONAL CONTROL OVER THE CONSTRUCTION SITE. (i) LOSS OF OPERATIONAL CONTROL DOES NOT RELIEVE THE OPERATOR FROM LIABILITY AND RESPONSIBILITY FOR COMPLIANCE WITH THE PROVISIONS OF THIS PERMIT UNTIL THE COMPLETE AND CORRECT REQUEST FOR

TERMINATION IS RECEIVED BY THE DEPARTMENT (ii) SALE OR TRANSFER OF OPERATIONAL RESPONSIBILITY FOR THE SITE BY THE OPERATOR PRIOR TO THE

SUCCEEDING OPERATOR OBTAINING PERMIT COVERAGE REQUIRED BY THIS CHAPTER. DOES NOT RELIEVE THE OPERATOR FROM THE RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT

T. FACILITY IDENTIFICATION THE PERMITTEE SHALL POST AND MAINTAIN SIGN(S) AT THE FRONT GATE/ENTRANCE, AND IF UTILITY INSTALLATION, WHERE PROJECT CROSSES PAVED COUNTY, STATE, OR FEDERAL HIGHWAYS/ROADS, AND/OR AT OTHER FASILY ACCESSIBLE LOCATION(S) TO ADEQUATELY IDENTIFY THE SITE PRIOR TO COMMENCEMENT OF AND DURING NPDES CONSTRUCTION UNTIL PERMIT COVERAGE IS PROPERLY TERMINATED. SUCH SIGN SHALL DISPLAY THE NAME OF THE PERMITTEE, "ADEM NPDES ALR10" FOLLOWED BY THE FOUR DIGIT NPDES PERMIT NUMBER, FACILITY OR PROJECT NAME, AND OTHER DESCRIPTIVE INFORMATION DEEMED APPROPRIATE BY THE PERMITTEE.

U. SCHEDULE OF COMPLIANCE THE PERMITTEE SHALL ACHIEVE COMPLIANCE WITH THE REQUIREMENTS OF THIS PERMIT ON THE EFFECTIVE DATE OF COVERAGE UNDER THIS PERMIT.

V. DISCHARGE OF WASTEWATER GENERATED BY OTHERS THE DISCHARGE OF WASTEWATER GENERATED BY ANY PROCESS. FACILITY, OR BY ANY OTHER MEANS NOT UNDER THE OPERATIONAL CONTROL OF THE PERMITTEE OR NOT IDENTIFIED IN THE APPLICATION FOR THIS PERMIT OR NOT IDENTIFIED SPECIFICALLY IN THE DESCRIPTION OF AN OUTFALL IN THIS PERMIT IS NOT AUTHORIZED BY THIS PERMIT EXCEPT AS ALLOWED BY PART I

W. COMPLIANCE WITH WATER QUALITY STANDARDS AND OTHER PROVISIONS

COMPLIANCE WITH PERMIT TERMS AND CONDITIONS NOTWITHSTANDING. IF THE PERMITTEE'S DISCHARGE(S) CAUSE(S) OR CONTRIBUTE(S) TO A CONDITION IN CONTRAVENTION OF STATE WATER QUALITY STANDARDS, THE DEPARTMENT MAY REQUIRE ABATEMENT ACTION TO BE TAKEN BY THE PERMITTEE, MODIFY THE PERMIT PURSUANT TO THE DEPARTMENT'S RULES AND REGULATIONS, OR BOTH

3. IF THE DEPARTMENT DETERMINES, ON THE BASIS OF ANY INVESTIGATION, INSPECTION, OR SAMPLING, THAT A MODIFICATION OF THIS PERMIT IS NECESSARY TO ASSURE MAINTENANCE OF WATER QUALITY STANDARDS OR COMPLIANCE WITH OTHER PROVISIONS OF THE AWPCA OR FWPCA, THE DEPARTMENT MAY REQUIRE SUCH MODIFICATION AND, IN CASES OF EMERGENCY, THE DIRECTOR MAY PROHIBIT THE NOTICED ACT UNTIL THE PERMIT HAS BEEN MODIFIED.

X. CIVIL AND CRIMINAL LIABILITY

1. TAMPERING: ANY PERSON WHO FAI SIFIES, TAMPERS WITH, OR KNOWINGLY RENDERS INACCURATE ANY MONITORING DEVICE OR METHOD REQUIRED TO BE MAINTAINED OR PERFORMED UNDER THIS PERMIT SHALL, UPON CONVICTION, BE SUBJECT TO PENALTIES AND/OR IMPRISONMENT AS PROVIDED BY THE AWPCA AND/OR THE AEMA. 2. FALSE STATEMENTS: ANY PERSON WHO KNOWINGLY MAKES ANY FALSE STATEMENT, REPRESENTATION, OR CERTIFICATION IN ANY RECORD OR OTHER DOCUMENT SUBMITTED OR REQUIRED TO BE MAINTAINED UNDER THIS PERMIT, INCLUDING MONITORING REPORTS OR REPORTS OF COMPLIANCE OR NONCOMPLIANCE SHALL, UPON CONVICTION, BE PUNISHED AS PROVIDED BY APPLICABLE STATE AND FEDERAL LAW.

3. PERMIT ENFORCEMENT: THIS NPDES PERMIT IS A PERMIT FOR THE PURPOSE OF THE AWPCA. THE AEMA, AND THE FWPCA, AND AS SUCH ALL TERMS, CONDITIONS, OR LIMITATIONS OF THIS PERMIT ARE ENFORCEABLE UNDER STATE AND FEDERAL LAW.

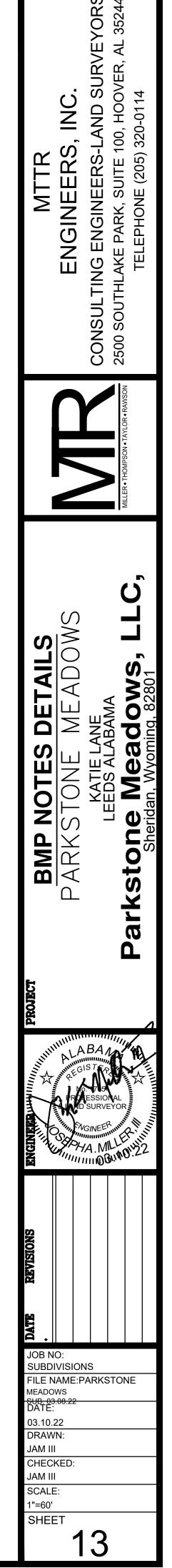
4. RELIEF FROM LIABILITY: EXCEPT AS PROVIDED IN PART IV.M. (BYPASS) AND PART IV.N. (UPSET), NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO RELIEVE THE PERMITTEE OF CIVIL OR CRIMINAL LIABILITY UNDER THE AWPCA, AEMA, OR FWPCA FOR NONCOMPLIANCE WITH ANY TERM OR CONDITION OF THIS PERMIT.

Y. OIL AND HAZARDOUS SUBSTANCE LIABILITY NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEE FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT TO UNDER SECTION 311 OF THE FWPCA, 33 U.S.C. §1321

NAME AND PHONE NUMBER OF THE 24-HOUR LOCAL CONTACT PERSON RESPONSIBL FOR EROSION CONTROL EMERGENCIES IS ATTN: NAME KEITH HALL

THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING

- ACTIVITIES. EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES WILL MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE PROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION AND DIMENT CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL ASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE EDIMENT SOURCE.
- 4. SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/2 FULL VOLUME. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE RESPONSIBLE OFFICIAL
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 13 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING. ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE. 8. CONSTRUCTION WASTE SHALL NOT BE BURNED OR BURIED AND MUST BE TAKEN TO
- A STATE APPROVED LANDFILL 9. REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS ENCOUNTERED DURING DAILY INSPECTIONS SHALL BE MANAGED BY A QUALIFIED PROFESSIONAL 10. OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION
- OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. 11. ALL PERMITTEES SHALL ENSURE AND DEMOSTRATE THAT THEIR PLAN IS IN COMPLIANCE WITH THE APPLICABLE STATE AND LOCAL WASTE DISPOSAL, SANITARY
- SEWER OR SEPTIC SYSTEM REGULATIONS. 12. ANY AMENDMENTS/REVISIONS TO THE CBMPP WHICH HAVE SIGNIFICANT EFFECT ON BMP'S WITH HYDRAULIC COMPONENT MUST BE APPROVED BY THE DESIGN PROFESSIONAL (QCP)
- 13. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING CTIVITIES.
- THERE ARE NO WETLANDS ONSITE. 15. CONTRACTOR INSTALLING AND/OR MONITORING EROSION CONTROL MEASURES SHALL HAVE A VALID QCP.QCI CERTIFICATION NUMBER.
- ACCUMULATED SEDIMENT REMOVED FROM ONSITE BMP'S SHALL BE USED ONSITE IN NON-STRUCTURAL AREAS AND APPROPRIATELY STABILIZED. SEDIMENT SHALL NOT BE ALLOWED TO ENTER STATE WATERS. ANY SEDIMENT ACCUMULATED OFF-SITE SHALL BE REMOVED BY HAND AND PLACED IN APPROPRIATE AREAS ONSITE



SITE DESCRIPTION & INTENDED PURPOSE

THE PROPOSED PROJECT IS THE DEVELOPMENT OF EXISTING RESIDENTIAL AND UNDEVELOPED PROPERTIES. THE SITE IS LOCATED ODENVILLE, ALABAMA. . DISTURBED ACREAGE IS 4.0 ACRES TO INCLUDE PROPOSED HOUSE SITES, ROADWAY IMPROVEMENTS AND REQUIRED UTILITY WORK. THIS PLAN INTENDS TO CONTROL SEDIMENT LADEN RUN-OFF DURING THE DEVELOPMENT (CUT/FILL, INSTALLATION OF DRAINAGE STRUCTURES, DEMOLITION AND/OR REQUIRED UTILITY WORK).

BMP NARRATIVE

THE CONTRACTOR SHALL ADHERE TO ALL EROSION CONTROL REQUIREMENTS OF ADEM AND ANY OTHER GOVERNING AGENCY, WHETHER LISTED HEREIN OR NOT. THE CONTRACTOR IS CAUTIONED THAT APPROPRIATE BMP CONTROL SHALL BE INSTALLED TO ENSURE THAT SEDIMENT LADEN RUNOFF OR SILT DOES NOT LEAVE THE SITE. ANY FILL PLACEMENT OF EARTH MATERIALS ON SITE WILL CAUSE EXISTING DRAINAGE DIRECTIONS OF STORMWATER TO BE ALTERED. THEREFORE, THE CONTRACTOR SHALL INSTALL ALL NECESSARY BMP CONTROLS (WHETHER INCLUDED AS PART OF THIS PLAN OR NOT) SO AS TO NOT PERMIT SEDIMENT LADEN RUNOFF OR SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORESEEN CONDITIONS, ACCIDENTS OR HOW THE WORK IS EXECUTED.

EROSION AND SEDIMENT

CONTROL NOTES

THE CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PROTECT ALL PUBLIC AND PRIVATE PROPERTY FROM DAMAGE CAUSED BY INSTALLATION OF CONTROLS OR GRADING OPERATIONS AND TO REDUCE STORM WATER POLLUTION TO THE MAXIMUM PRACTICABLE. NO LAND-DISTURBING ACTIVITIES SHALL BE UNDERTAKEN EXCEPT IN ACCORDANCE WITH THE FOLLOWING:

- CONTRACTOR SHALL FOLLOW THE PROJECT PHASING SHOWN ON THE PLANS. THE CONTRACTOR SHALL INSURE THAT THE MINIMUM AREA IS STRIPPED OF ITS NATURAL COVER AND FOR A MINIMUM AMOUNT OF TIME AS PRACTICAL 13. CONTRACTORS OR SUBCONTRACTORS WILL BE THROUGH OUT THE GRADING PHASES.
- CONTRACTOR SHALL KEEP A COPY OF THE APPROVED LAND DISTURBANCE PERMIT AND ALL OTHER REQUIRED DOCUMENTS REQUIRED BY ADEM AND LOCAL OFFICIALS. CONTRACTOR SHALL MAINTAIN EROSION CONTROL DEVICES SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGHOUT CONSTRUCTION. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT
- SHALL BE REPLACED AT THE END OF THE WORK DAY OR SOONER IF UNFAVORABLE WEATHER IS EXPECTED. 4. ANY SLOPE OR FILL WHICH HAS BEEN GRADED SHALL, WITHIN THIRTEEN (13) DAYS OF THE COMPLETION OF SUCH GRADING OR THE COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH GROUND 16. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT COVER, MATERIALS, DEVICES OR STRUCTURES SUFFICIENT OF THE PROJECT, CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT EROSION. THE BMPS SHALL REMAIN IN PLACE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT N ACCORDANCE WITH THE BMP PLAN UNTIL THE GRADED SLOPE OR FILL IS STABILIZED. PERMANENT VEGETATION 17. ADDITIONAL PROTECTION: ON-SITE PROTECTION IN ADDITION SHALL BE INSTALLED AS SOON AS POSSIBLE AFTER THE AREA IS AT FINIAL GRADE.
- THE CONSTRUCTION BEST MANAGEMENT PRACTICE PLAN (CBMPP) IS COMPRISED OF THESE DRAWINGS, STANDARD RELATED DOCUMENTS.
- 6. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF ALABAMA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PROHIBITED. CHEMICALS, PAINT, SOLVENTS, FERTILIZERS PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORMWATER MANAGEMENT WHICHEVER IS MORE STRINGENT
- CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER. 9. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, 21. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH EMPLOYEE PARKING AREA, & AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET

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 - 19. USE OF DETERGENTS FOR LARGE SCALE WASHING IS AND OTHER TOXIC MATERIAL MUST BE STORED IN WATERPROOF CONTAINERS. EXCEPT DURING APPLICATION. THE CONTENT MUST BE KEPT IN TRUCKS OR WITHIN STORAGE FACILITIES. RUNOFF CONTAINING SUCH MATERIAL MUST BE COLLECTED. REMOVED FROM THE SITE OR TREATED AND DISPOSED AT AN APPROVED SOLID WASTE OR CHEMICAL DISPOSAL FACILITY.
 - 20. NO BELOW GROUND STORAGE WILL BE ALLOWED. CONTRACTOR SHALL PROVIDE EMERGENCY CONTAINMENT FOR ANY HAZARDOUS MATERIAL STORED ONSITE. THIS CONTAINMENT SHALL BE EARTHEN BERMS OR EQUIVALENT. THE CONTAINMENT SHALL COMPLY WITH SPILL PREVENTION CONTROL AND COUNTER MEASURES (SPCC) REGULATIONS FOR PAINT, OIL, GREASE, OTHER PETROLEUM PRODUCTS, OR ANY OTHER MATERIALS.
 - MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- STRUCTURES, FLUMES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE. FLOTATION BOOMS SHALL BE MAINTAINED ON-SITE OR 23. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES ON-SITE DURING CONSTRUCTION IN ACCORDANCE WITH THE ABOVE, AS A MINIMUM STANDARD, AND SHALL REMOVE ANY SILT BEYOND THE PROPERTY RESULTING FROM CONSTRUCTION. ONCE THE SITE IS STABILIZED AND ACCEPTED, CONTRACTOR SHALL REMOVE TEMPORARY EROSION CONTROL DEVICES.

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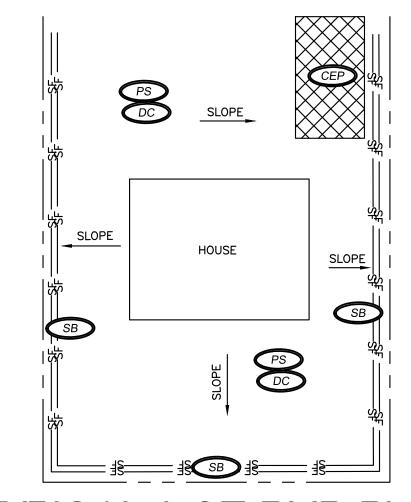
SPECIES	VARIETY					MAINTENANCE	
SPECIES	SHADE	HEAT	COLD	DROUGHT	WEAR	MOWING HEIGHT	MOWING FREQ.
BERMUDAGRASS	NO	GOOD	POOR	EXCEL.	EXCEL.	1"	HIGH
BAHIAGRASS	FAIR	GOOD	POOR	EXCEL.	GOOD	2-3"	HIGH
CENTIPEDE	FAIR	GOOD	POOR	GOOD	POOR	1.5"	LOW
TALL FESCUE	GOOD	FAIR	GOOD	GOOD	GOOD	3"	HIGH
ST. AUGUSTINE	GOOD	GOOD	POOR	POOR	POOR	2-3"	MEDIUM
ZOYSIA	FAIR	GOOD	FAIR	EXCEL.	GOOD	1"	HIGH

TABLE SOD-1 Grasses Adapted for Sodding in Alabama

	1 5	
WARM SEASON SPECIES	VARIETY	AREA ADAPTED
BERMUDAGRASS	Tifway, TifSport, Celebration, TifGrand, Common	North, Central, South
BAHIAGRASS	Pensacola	Central, South
CENTIPEDE	Common, TifBlair	Central, South
ST. AUGUSTINE	Common, and a few commercial varieties	South
ZOYSIA	Any selection available in Alabama, Zenith is Seeded	Central, South
COOL SEASON SPECIES		
TALL FESCUE	Kentucky 31, Rebel (turf type)	North

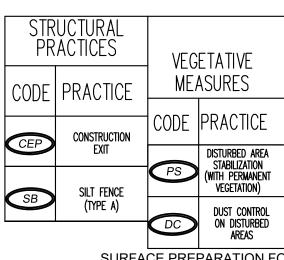
TABLE MU-1 Mulching Materials and Application Rates							
MATERIAL	NOTES						
STRAW (WITH SEED)	1.5 - 2 TONS	Spread by hand or machine; Anchor when subject to blowing					
STRAW (NO SEED)	2.5 - 3 TONS	Spread by hand or machine; Anchor when subject to blowing					
WOOD CHIPS	5 - 6 TONS	Treat with 12 lbs. r	itrogen / ton.				
BARK	35 CUBIC YARDS	Can apply with mu	ch blower.				
PINE STRAW	1 - 2 TONS	Spread by hand or	machine.				
PEANUT HULLS	10 - 20 TONS	Will wash off slopes. Treat with 12 lbs. nitrogen / ton.					
HECPs	0.75 - 2.25 TONS	Refer to ECTC or Manufacturer's recommendations.					
TABLE	TS-1 Commonly	Used for Tem	porary Cover				
SPECIES	SEEDING RATE/AC	SEEDING DATES					
		NORTH	CENTRAL	SOUTH			
MILLET, BROWNTOP OR GERM	AN 40 LBS.	MAY 1-AUG 1	APR 1-AUG 15	APR 1-AUG 15			
RYE	RYE 3 BU.		SEP 15-NOV 15	SEP 15-NOV 15			
RYEGRASS	30 LBS.	AUG 1-SEP 15	SEP 1-OCT 15	SEP 1-OCT 15			
SORGHUM-SUDAN HYBRIDS	40 LBS.	MAY 1-AUG 1	APR 15-AUG 1	APR 1-AUG 5			
SUDANGRASS	40 LBS.	MAY 1-AUG 1	APR 15-AUG	APR 1-AUG 15			

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SUDANGRASS	40 LBS.	MAY 1-AUG 1	APR 15-AUG	APR 1-AUG 15			
WHEAT	3 BU.	SEP 1-NOV 1	SEP 15-NOV 15	SEP 15-NOV 15			
COMMON BERMUDAGRASS	10 LBS.	APR 1-JULY 1	MAR 15-JULY 15	MAR 1-JULY 15			
CRIMSON CLOVER	10 LBS.	SEP 1-NOV 1	SEP 1-NOV 1	SEP 1-NOV 1			



TYPICAL LOT BMP PLAN

N.T.S.



SURFACE PREPARATION FOR PERMANENT SEEDING AND SOD Clear the area of clods, rocks, etc. and smooth the area, Grade and loosen the soil to a smooth firm surface to enhance rooting. Break up large clods and loosen compacted, hard or crusted soil surfaces with a disk, ripper, chisel, harrow or other tillage equipment. Avoid preparing the seedbed under excessively wet conditions. Operate the equipment on the contour.

Where topsoil is specified, additional steps will be done based on the design plan.

APPLICATION OF SOIL AMENDMENTS

Apply fertilizer and lime according to the plan or by soil test recommendations. In the absence of a plan or soil test recommendations apply agricultural limestone at a rate of 2 tons per acre (90 lbs. per 1000 s.f.) and 10-10-10 fertilizer at the rate of 1000 lbs. per acre (25 lbs per 1000 s.f.). Apply ground agricultural limestone unless a soil test shows a pH of 6.0 or greater. Incorporate amendments to a depth of 4" to 6" with a disk or rotary tiller.

Rake or harrow to achieve a smooth, final grade on which to lay the sod. Surface should be loose, and free of plants, trash and other debris.

During high temperatures, moisten the soil immediately prior to laying sod. This cools the soil reduces root burning and dieback.

INSTALLING THE SOD

Lay the first row of sod in a straight line with subsequent rows placed parallel to and butting tightly against each other. Stagger joints to create a brick-like pattern and promote more uniform growth and strength. Ensure that sod is not stretched. or overlapped and that all joints are butted tight to prevent spaces which would cause drying of the roots

On slopes 3:1 or steeper, or wherever concentrated flow may be a problem, lay sod with staggered joints and secure by stapling or pegging. Install sod with the length perpendicular to the water flow on the contour. Staple firmly at the corners and middle of each strip. Jute and synthetic netting may be pegged over the sod of further protection against washout during establishment.

IRRIGATION

Immediately after laying the sod, roll or tamp it to provide firm contact between roots and soil, then irrigate sod deeply so that the underside of the sod pad and the soil 6" below the sod is thoroughly wet.

Until a good root system develops, water sod during dry periods as often as necessary to maintain moist soil to a depth of at least 4".

SITE PREPARATION AND SOIL AMENDMENTS FOR TEMP. SEEDING COMPLETE GRADING AND SHAPING BEFORE APPLYING SOIL AMENDMENTS IF GRADING AND SHAPING ARE NEEDED TO PROVIDE A SURFACE ON WHICH EQUIPMENT CAN SAFELY AND EFFICIENTLY BE USED TO APPLY SOIL AMENDMENTS AND ACCOMPLISH SEEDED PREPARATION AND SEEDING.

LIME

APPLY LIME ACCORDING TO SOIL TEST RECOMMENDATIONS. IF A SOIL TEST IS NOT AVAILABLE, USE 1 TON OF AGRICULTURAL LIMESTONE OR EQUIVALENT PER ACRE ON COARSE TEXTURED SOILS AND 3 TONS PER ACRE ON FINE TEXTURED SOILS. DO NOT APPLY LIME TO ALKALINE SOILS OR TO AREAS WHICH HAVE BEEN LIMED DURING THE PRECEDING 2 YEARS.

FERTILIZER

APPLY FERTILIZER ACCORDING TO SOIL TEST RESULTS. IF A SOIL TEST IS NOT AVAILABLE APPLY 8-24-24 FERTILIZER

WHEN VEGETATION HAS EMERGED TO A STAND AND IS GROWING, 30 TO 40 LBS/ACRE (APPROXIMATELY 0.8 LBS./10000 FT²) OF ADDITIONAL NITROGEN FERTILIZER SHOULD BE APPLIED.

NOTE: FERTILIZER CAN BE BLENDED TO MEET EXACT FERTILIZER RECOMMENDATIONS. TAKE SOIL TEST RECOMMENDATIONS TO LOCAL FERTILIZER DEALER FOR BULK FERTILIZER BLENDS. THIS MAY BE MORE ECONOMICAL THAN BAGGED FERTILIZER.

APPLICATION OF SOIL AMENDMENTS

INCORPORATE LIME AND FERTILIZER INTO THE TOP 6" OF SOIL DURING SEEDBED PREPARATION.

SEEDBED PREPERATION

GOOD SEEDBED PREPARATION IS ESSENTIAL TO SUCCESSFUL PLANT ESTABLISHMENT. A GOOD SEEDBED IS WELL PULVERIZED, LOOSE, AND SMOOTH. IF SOILS BECOME COMPACTED DURING GRADING, LOOSEN THEM TO A DEPTH OF 6" TO 8" USING A RIPPER OR CHISEL PLOW.

IF RAINFALL HAS CAUSED THE SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING BY DISKING, RAKING, HARROWING, OR OTHER SUITABLE METHODS. WHEN HYDROSEEDING METHODS ARE USED, THE SURFACE SHOULD BE LEFT WITH A MORE IRREGULAR SURFACE OF COLDS

PLANTING METHODS SEEDING

FVFNLY APPLY SEED USING A CYCLONE SEEDER (BROADCAST), DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. BROADCAST SEEDING AND HYDROSEEDING ARE APPROPRIATE FOR STEP SLOPES WHERE EQUIPMENT CANNOT OPERATE SAFELY. SMALL GRAINS SHOULD BE PLANTED NO MORE THAN 1" DEEP, AND GRASSES AND LEGUMES NO MORE THAN 1/2" DEEP. BROADCAST SEED MUST BE COVERED BY RAKING OR CHAIN DRAGGING, AND THEN LIGHTLY FIRMED WITH A ROLLER OR CULTIPACKER.

HYDROSEEDING

SURFACE ROUGHENING IS PARTICULARLY IMPORTANT WHEN HYDROSEEDING, AS ROUGHENED SLOPE WILL PROVIDE SOME NATURAL COVERAGE FOR LIME, FERTILIZER, AND SEED. THE SURFACE SHOULD NOT BE COMPACTED OR SMOOTH. FINE SEEDBED PREPARATION IS NOT NECESSARY FOR HYDROSEEDING OPERATIONS; LARGE CLODS, STONES, AND IRREGULARITIES PROVIDE CAVITIES IN WHICH SEEDS CAN LODGE. HYDROSEEDING MIXTURES SHOULD INCLUDE A WOOD FIBER MULCH WHICH IS DYED AN APPROPRIATE COLOR TO FACILITATE UNIFORM APPLICATIONS OF THE SEED

MIX SEED, INOCULANT IF REQUIRED, AND A SEED CARRIER WITH WATER AND APPLY AS A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. THE SEED CARRIER SHOULD BE A CELLULOSE FIBER. NATURAL WOOD FIBER OR CANE FIBER MULCH MATERIAL WHICH IS DYED AN APPROPRIATE COLOR TO RECOMMENDED RATE WHEN ADDING INOCULANT TO A HYDROSEEDER SLURRY. THE MIXTURE SHOULD BE APPLIED WITHIN 1 HOUR AFTER MIXING TO REDUCE DAMAGE TO SEED.

FERTILIZER SHOULD NOT BE MIXED WITH THE SEED-INOCULANT MIXTURE BECAUSE FERTILIZER SALTS MAY DAMAGE SEED AND REDUCE GERMINATION AND SEEDING VIGOR. FERTILIZER MAY BE APPLIED WITH HYDRO SEEDER AS A SEPARATE OPERATION AFTER SEEDLINGS ARE ESTABLISHED.

MULCHING

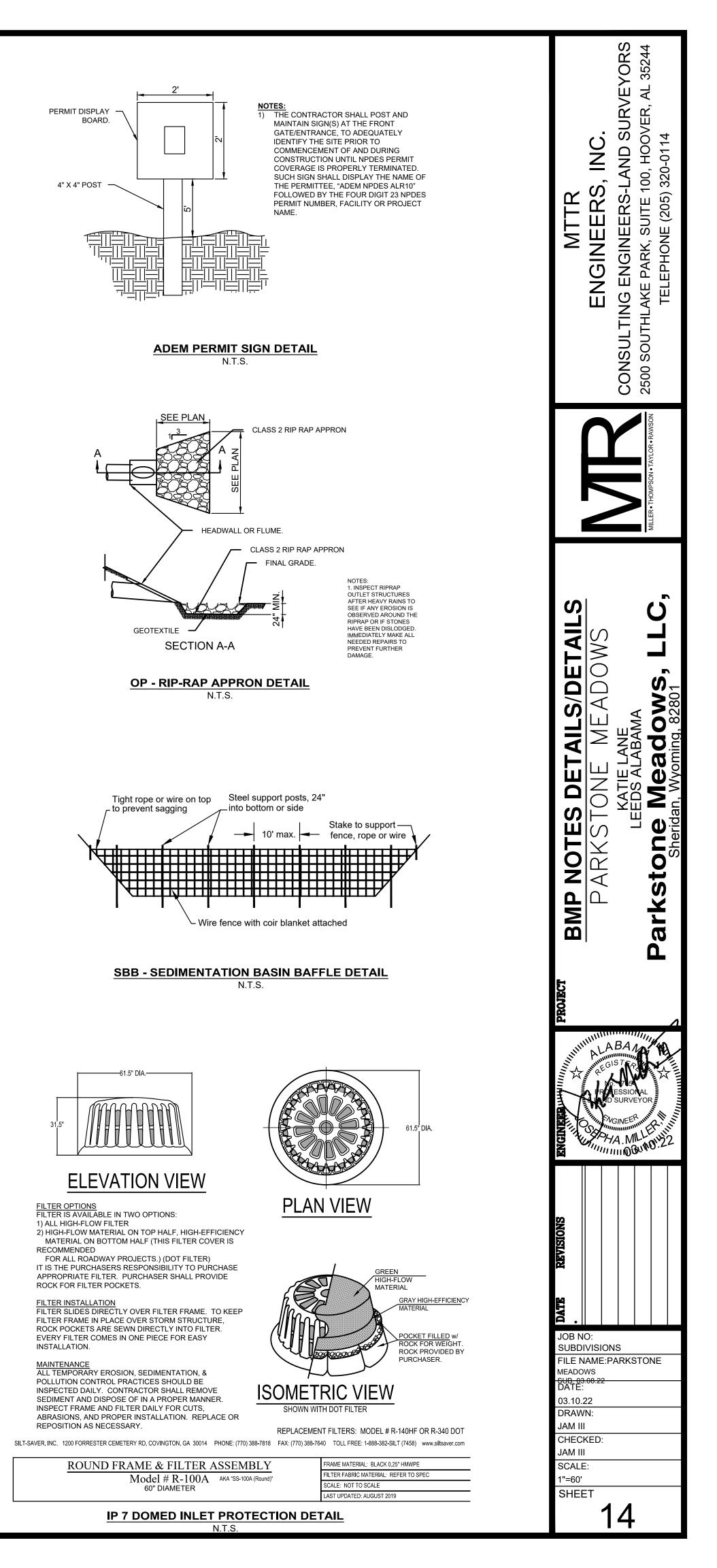
THE USE OF AN APPROPRIATE MULCH WILL HELP ENSURE ESTABLISHMENT OF VEGETATIVE COVER UNDER NORMAL CONDITIONS AND IS ESSENTIAL TO SEEDING SUCCESS UNDER HARSH SITE CONDITIONS (SEE THE MULCHING PRACTICE FOR GUIDANCE). HARSH SITE CONDITIONS INCLUDE THE FOLLOWING

 SEEDING IN LATE FALL FOR WINTER COVER (WOOD FIBER MULCHES ARE NOT CONSIDERED ADEQUATE FOR THIS USE).



TABLE SOD-2 Adaptation and Maintenance of Grasses Used for Sodding

TABLE MUL1 Mulching Materials and Application Rates



SITE DESCRIPTION & INTENDED PURPOSE

THE PROPOSED PROJECT IS THE DEVELOPMENT OF EXISTING RESIDENTIAL AND UNDEVELOPED PROPERTIES. THE SITE IS LOCATED ODENVILLE, ALABAMA. . DISTURBED ACREAGE IS 4.0 ACRES TO INCLUDE PROPOSED HOUSE SITES, ROADWAY IMPROVEMENTS AND REQUIRED UTILITY WORK. THIS PLAN INTENDS TO CONTROL SEDIMENT LADEN RUN-OFF DURING THE DEVELOPMENT (CUT/FILL, INSTALLATION OF DRAINAGE STRUCTURES, DEMOLITION AND/OR REQUIRED UTILITY WORK).

BMP NARRATIVE

THE CONTRACTOR SHALL ADHERE TO ALL EROSION CONTROL REQUIREMENTS OF ADEM AND ANY OTHER GOVERNING AGENCY, WHETHER LISTED HEREIN OR NOT. THE CONTRACTOR IS CAUTIONED THAT APPROPRIATE BMP CONTROL SHALL BE INSTALLED TO ENSURE THAT SEDIMENT LADEN RUNOFF OR SILT DOES NOT LEAVE THE SITE. ANY FILL PLACEMENT OF EARTH MATERIALS ON SITE WILL CAUSE EXISTING DRAINAGE DIRECTIONS OF STORMWATER TO BE ALTERED. THEREFORE, THE CONTRACTOR SHALL INSTALL ALL NECESSARY BMP CONTROLS (WHETHER INCLUDED AS PART OF THIS PLAN OR NOT) SO AS TO NOT PERMIT SEDIMENT LADEN RUNOFF OR SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORESEEN CONDITIONS, ACCIDENTS OR HOW THE WORK IS EXECUTED.

EROSION AND SEDIMENT

CONTROL NOTES

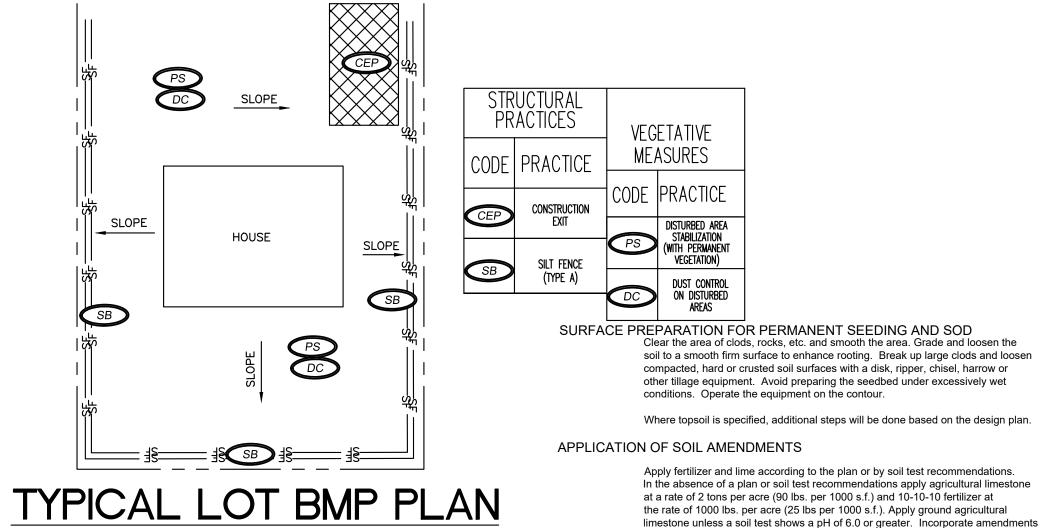
- THE CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PROTECT ALL PUBLIC AND PRIVATE PROPERTY FROM DAMAGE CAUSED BY INSTALLATION OF CONTROLS OR GRADING OPERATIONS AND TO REDUCE STORM WATER POLLUTION TO THE MAXIMUM PRACTICABLE. NO LAND-DISTURBING ACTIVITIES SHALL BE UNDERTAKEN EXCEPT IN ACCORDANCE WITH THE FOLLOWING:
- 1. CONTRACTOR SHALL FOLLOW THE PROJECT PHASING SHOWN ON THE PLANS. THE CONTRACTOR SHALL INSURE THAT THE MINIMUM AREA IS STRIPPED OF ITS NATURAL COVER AND FOR A MINIMUM AMOUNT OF TIME AS PRACTICAL 13. CONTRACTORS OR SUBCONTRACTORS WILL BE THROUGH OUT THE GRADING PHASES. 2. CONTRACTOR SHALL KEEP A COPY OF THE APPROVED LAND
- DISTURBANCE PERMIT AND ALL OTHER REQUIRED DOCUMENTS REQUIRED BY ADEM AND LOCAL OFFICIALS. 14. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS
- THROUGHOUT CONSTRUCTION. TEMPORARY MEASURES MAY THROUGH IMPLEMENTATION OF BEST MANAGEMENT BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT SHALL BE REPLACED AT THE END OF THE WORK DAY OR SOONER IF UNFAVORABLE WEATHER IS EXPECTED.
- 4. ANY SLOPE OR FILL WHICH HAS BEEN GRADED SHALL, WITHIN THIRTEEN (13) DAYS OF THE COMPLETION OF SUCH DURING THE GRADING PHASE TO REDUCE RUNOFF GRADING OR THE COMPLETION OF ANY PHASE OF GRADING, VELOCITIES AND EROSION BE PLANTED OR OTHERWISE PROVIDED WITH GROUND 16. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT COVER, MATERIALS, DEVICES OR STRUCTURES SUFFICIENT OF THE PROJECT, CONTRACTOR SHALL BE RESPONSIBLE TO PREVENT EROSION. THE BMPS SHALL REMAIN IN PLACE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT IN ACCORDANCE WITH THE BMP PLAN UNTIL THE GRADED SLOPE OR FILL IS STABILIZED. PERMANENT VEGETATION 17. ADDITIONAL PROTECTION: ON-SITE PROTECTION IN ADDITION SHALL BE INSTALLED AS SOON AS POSSIBLE AFTER THE AREA IS AT FINIAL GRADE.
- 5. THE CONSTRUCTION BEST MANAGEMENT PRACTICE PLAN (CBMPP) IS COMPRISED OF THESE DRAWINGS, STANDARD DETAILS, THE PERMIT AND ALL SUBSEQUENT REPORTS AND 18. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF RELATED DOCUMENTS.
- 6. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN CONSTRUCTION. AND THE STATE OF ALABAMA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PROHIBITED. CHEMICALS, PAINT, SOLVENTS, FERTILIZERS PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- 7. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- 8. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORMWATER MANAGEMENT WHICHEVER IS MORE STRINGENT CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS
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- 10. ALL EROSION CONTROL MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE, BUT PRIOR TO THE COMMENCEMENT OF EARTH MOVING OPERATIONS
- 11. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE DIRT OR MUD. THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- 12. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- RESPONSIBLE FOR REMOVING SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM WATER DRAINAGE OUTLET IN CONJUNCTION WITH STABILIZATION OF THE SITE. 3. CONTRACTOR SHALL MAINTAIN EROSION CONTROL DEVICES SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS. 15. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION
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 - EACH WORKING DAY, THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD AND PARKING
 - 19. USE OF DETERGENTS FOR LARGE SCALE WASHING IS AND OTHER TOXIC MATERIAL MUST BE STORED IN WATERPROOF CONTAINERS, EXCEPT DURING APPLICATION. THE CONTENT MUST BE KEPT IN TRUCKS OR WITHIN STORAGE FACILITIES. RUNOFF CONTAINING SUCH MATERIAL MUST BE COLLECTED, REMOVED FROM THE SITE OR TREATED AND DISPOSED AT AN APPROVED SOLID WASTE OR CHEMICAL DISPOSAL FACILITY.
 - 20. NO BELOW GROUND STORAGE WILL BE ALLOWED. CONTRACTOR SHALL PROVIDE EMERGENCY CONTAINMENT FOR ANY HAZARDOUS MATERIAL STORED ONSITE. THIS CONTAINMENT SHALL BE EARTHEN BERMS OR EQUIVALENT THE CONTAINMENT SHALL COMPLY WITH SPILL PREVENTION CONTROL AND COUNTER MEASURES (SPCC) REGULATIONS FOR PAINT, OIL, GREASE, OTHER PETROLEUM PRODUCTS, OR
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BAHIAGRASS	FAIR	GOOD	POOR	EXCEL.	GOOD	2-3"	HIGH
CENTIPEDE	FAIR	GOOD	POOR	GOOD	POOR	1.5"	LOW
TALL FESCUE	GOOD	FAIR	GOOD	GOOD	GOOD	3"	HIGH
ST. AUGUSTINE	GOOD	GOOD	POOR	POOR	POOR	2-3"	MEDIUM
ZOYSIA	FAIR	GOOD	FAIR	EXCEL.	GOOD	1"	HIGH

WARM SEASON SPECIES	VARIETY	AREA ADAPTED
BERMUDAGRASS	Tifway, TifSport, Celebration, TifGrand, Common	North, Central, South
BAHIAGRASS	Pensacola	Central, South
CENTIPEDE	Common, TifBlair	Central, South
ST. AUGUSTINE	Common, and a few commercial varieties	South
ZOYSIA	Any selection available in Alabama, Zenith is Seeded	Central, South
COOL SEASON SPECIES		
TALL FESCUE	Kentucky 31, Rebel (turf type)	North

	•	1	•		
MATERIAL	RATE PER ARCE	NOTES			
STRAW (WITH SEED)	1.5 - 2 TONS	Spread by hand or machine; Anchor when subject to blowing			
STRAW (NO SEED)	2.5 - 3 TONS	Spread by hand or machine; Anchor when subject to blowing			
WOOD CHIPS	5 - 6 TONS	Treat with 12 lbs. nitrogen / ton.			
BARK	35 CUBIC YARDS	Can apply with mulch blower.			
PINE STRAW	1 - 2 TONS	Spread by hand or machine.			
PEANUT HULLS	10 - 20 TONS	Will wash off slopes. Treat with 12 lbs. nitrogen / ton.			
HECPs	0.75 - 2.25 TONS	Refer to ECTC or Manufacturer's recommendations.			
TABLE TS-1 Commonly Used for Temporary Cover					
SPECIES	SEEDING RATE/AC		SEEDING DATES		
		NORTH	CENTRAL	SOUTH	
MILLET, BROWNTOP OR GERMAN 40 LBS.		MAY 1-AUG 1	APR 1-AUG 15	APR 1-AUG 15	
RYE	3 BU.	SEP 1-NOV 15	SEP 15-NOV 15	SEP 15-NOV 15	
RYEGRASS	30 LBS.	AUG 1-SEP 15	SEP 1-OCT 15	SEP 1-OCT 15	
SORGHUM-SUDAN HYBRIDS	40 LBS.	MAY 1-AUG 1	APR 15-AUG 1	APR 1-AUG 5	
SUDANGRASS	40 LBS.	MAY 1-AUG 1	APR 15-AUG	APR 1-AUG 15	
WHEAT	3 BU.	SEP 1-NOV 1	SEP 15-NOV 15	SEP 15-NOV 15	
COMMON BERMUDAGRASS	10 LBS.	APR 1-JULY 1	MAR 15-JULY 15	MAR 1-JULY 15	
CRIMSON CLOVER	10 LBS.	SEP 1-NOV 1	SEP 1-NOV 1	SEP 1-NOV 1	



N.T.S.



TABLE SOD-2 Adaptation and Maintenance of Grasses Used for Sodding

TABLE SOD-1 Grasses Adapted for Sodding in Alabama

TABLE MU-1 Mulching Materials and Application Rates

Until a good root system develops, water sod during dry periods as often as necessary to maintain moist soil to a depth of at least 4".

SITE PREPARATION AND SOIL AMENDMENTS FOR TEMP. SEEDING

to a depth of 4" to 6" with a disk or rotary tiller

cools the soil reduces root burning and dieback.

length perpendicular to the water flow on the contour

the soil 6" below the sod is thoroughly wet.

cause drying of the roots

should be loose and free of plants trash and other debris

COMPLETE GRADING AND SHAPING BEFORE APPLYING SOIL AMENDMENTS IF GRADING AND SHAPING ARE NEEDED TO PROVIDE A SURFACE ON WHICH EQUIPMENT CAN SAFELY AND EFFICIENTLY BE USED TO APPLY SOIL AMENDMENTS AND ACCOMPLISH SEEDED PREPARATION AND SEEDING.

LIME

IRRIGATION

INSTALLING THE SOD

APPLY LIME ACCORDING TO SOIL TEST RECOMMENDATIONS. IF A SOIL TEST IS NOT AVAILABLE. USE 1 TON OF AGRICULTURAL LIMESTONE OR EQUIVALENT PER ACRE ON COARSE TEXTURED SOILS AND 3 TONS PER ACRE ON FINE TEXTURED SOILS. DO NOT APPLY LIME TO ALKALINE SOILS OR TO AREAS WHICH HAVE BEEN LIMED DURING THE PRECEDING 2 YEARS.

FERTILIZER

APPLY FERTILIZER ACCORDING TO SOIL TEST RESULTS. IF A SOIL TEST IS NOT AVAILABLE. APPLY 8-24-24 FERTILIZER.

WHEN VEGETATION HAS EMERGED TO A STAND AND IS GROWING, 30 TO 40 LBS/ACRE (APPROXIMATELY 0.8 LBS./10000 FT²) OF ADDITIONAL NITROGEN FERTILIZER SHOULD BE APPLIED.

NOTE: FERTILIZER CAN BE BLENDED TO MEET EXACT FERTILIZER RECOMMENDATIONS. TAKE SOIL TEST RECOMMENDATIONS TO LOCAL FERTILIZER DEALER FOR BULK FERTILIZER BLENDS. THIS MAY BE MORE ECONOMICAL THAN BAGGED FERTILIZER.

APPLICATION OF SOIL AMENDMENTS

INCORPORATE LIME AND FERTILIZER INTO THE TOP 6" OF SOIL DURING SEEDBED PREPARATION

SEEDBED PREPERATION

GOOD SEEDBED PREPARATION IS ESSENTIAL TO SUCCESSFUL PLANT ESTABLISHMENT. A GOOD SEEDBED IS WELL PULVERIZED. LOOSE. AND SMOOTH. IF SOILS BECOME COMPACTED DURING GRADING, LOOSEN THEM TO A DEPTH OF 6" TO 8" USING A RIPPER OR CHISEL PLOW.

IF RAINFALL HAS CAUSED THE SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING BY DISKING, RAKING, HARROWING, OR OTHER SUITABLE METHODS. WHEN HYDROSEEDING METHODS ARE USED, THE SURFACE SHOULD BE LEFT WITH A MORE IRREGULAR SURFACE OF

PLANTING METHODS SEEDING

COLDS

EVENLY APPLY SEED USING A CYCLONE SEEDER (BROADCAST). DRILL CULTIPACKER SEEDER. OR HYDROSEEDER. BROADCAST SEEDING AND HYDROSEEDING ARE APPROPRIATE FOR STEP SLOPES WHERE EQUIPMENT CANNOT OPERATE SAFELY. SMALL GRAINS SHOULD BE PLANTED NO MORE THAN 1" DEEP, AND GRASSES AND LEGUMES NO MORE THAN ½" DEEP. BROADCAST SEED MUST BE COVERED BY RAKING OR CHAIN DRAGGING, AND THEN LIGHTLY FIRMED WITH A ROLLER OR CULTIPACKER.

HYDROSEEDING

SURFACE ROUGHENING IS PARTICULARLY IMPORTANT WHEN HYDROSEEDING, AS ROUGHENED SLOPE WILL PROVIDE SOME NATURAL COVERAGE FOR LIME, FERTILIZER, AND SEED. THE SURFACE SHOULD NOT BE COMPACTED OR SMOOTH, FINE SEEDBED PREPARATION IS NOT NECESSARY FOR HYDROSEEDING OPERATIONS; LARGE CLODS, STONES, AND IRREGULARITIES PROVIDE CAVITIES IN WHICH SEEDS CAN LODGE. HYDROSEEDING MIXTURES SHOULD INCLUDE A WOOD FIBER MULCH WHICH IS DYED AN APPROPRIATE COLOR TO FACILITATE UNIFORM APPLICATIONS OF THE SEED

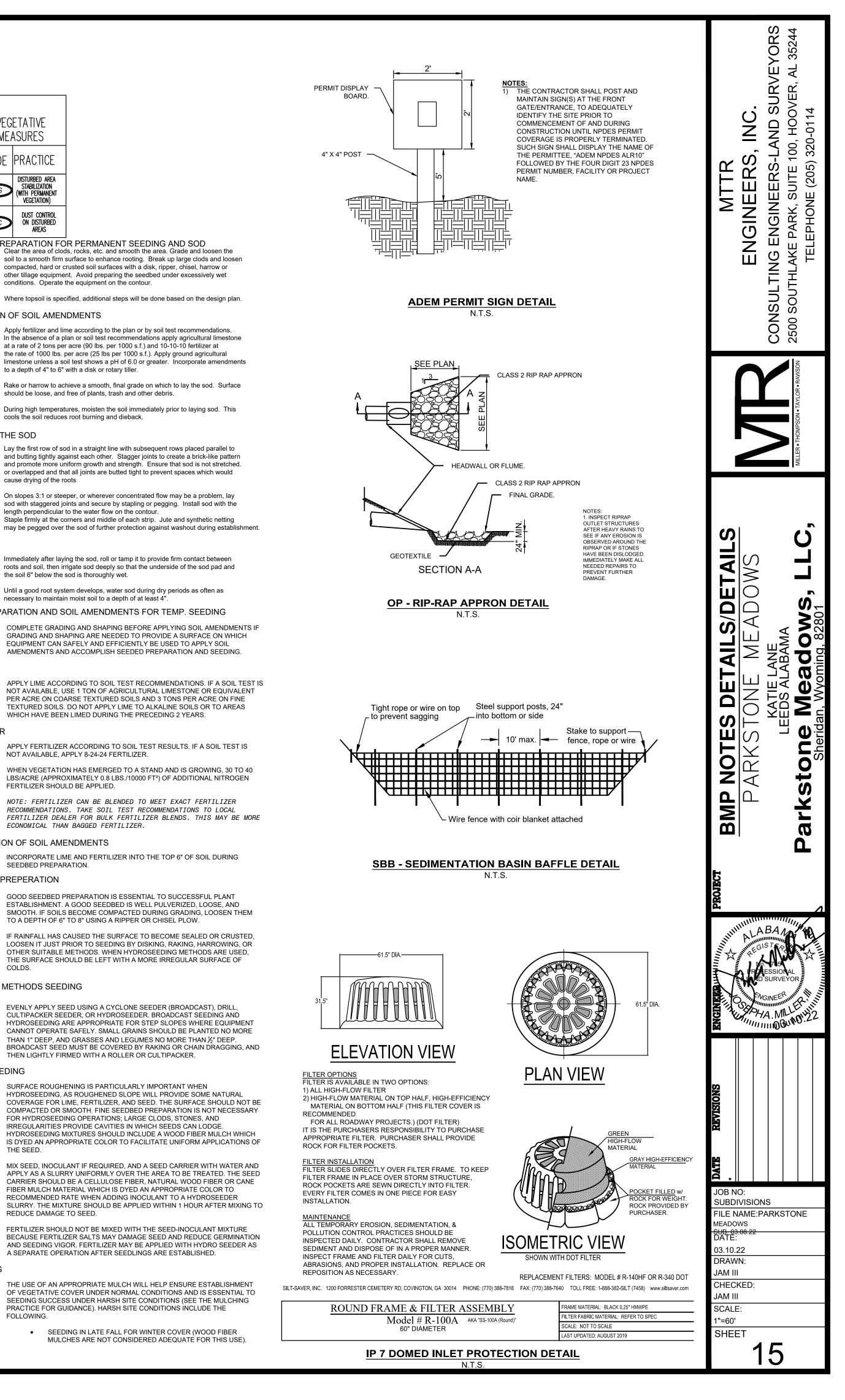
MIX SEED, INOCULANT IF REQUIRED, AND A SEED CARRIER WITH WATER AND APPLY AS A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. THE SEED CARRIER SHOULD BE A CELLULOSE FIBER, NATURAL WOOD FIBER OR CANE FIBER MULCH MATERIAL WHICH IS DYED AN APPROPRIATE COLOR TO RECOMMENDED RATE WHEN ADDING INOCULANT TO A HYDROSEEDER SLURRY. THE MIXTURE SHOULD BE APPLIED WITHIN 1 HOUR AFTER MIXING TO REDUCE DAMAGE TO SEED.

FERTILIZER SHOULD NOT BE MIXED WITH THE SEED-INOCULANT MIXTURE BECAUSE FERTILIZER SALTS MAY DAMAGE SEED AND REDUCE GERMINATION AND SEEDING VIGOR. FERTILIZER MAY BE APPLIED WITH HYDRO SEEDER AS A SEPARATE OPERATION AFTER SEEDLINGS ARE ESTABLISHED.

MULCHING

THE USE OF AN APPROPRIATE MULCH WILL HELP ENSURE ESTABLISHMENT OF VEGETATIVE COVER UNDER NORMAL CONDITIONS AND IS ESSENTIAL TO SEEDING SUCCESS UNDER HARSH SITE CONDITIONS (SEE THE MULCHING PRACTICE FOR GUIDANCE). HARSH SITE CONDITIONS INCLUDE THE FOLLOWING

> SEEDING IN LATE FALL FOR WINTER COVER (WOOD FIBER MULCHES ARE NOT CONSIDERED ADEQUATE FOR THIS USE).



File Attachments for Item:

2. RA22-000002 - Planning and Zoning Commission - to modify the R-5 Garden Home District Use regulations and delete the R-6, Patio Home District.

§8.00 R-5 Garden Home Residential District

8.01 <u>Intent</u>

To provide areas suitable for the development of residential garden homes along with selected institutional and commercial uses which are integrally related to residential neighborhoods.

8.02 Uses Permitted

The following uses shall be permitted in the R-5 Garden Home District:

- A. Agricultural Uses
 - 1. Non-Commercial Greenhouses and Gardens
- B. Residential Uses
 - 1. Residential Garden Homes
 - 2. Accessory Structures and Buildings, subject to Article VII, § 6.00.
- C. Institutional Uses
 - 1. Home Instruction
 - 2. Public Utility Services
- D. Temporary Uses
 - 1. Garage of Yard Sales, subject to Article VII, § 9.00.

8.03 Special Exception Uses

The following uses may be permitted subject to approval of the Zoning Board of Adjustment and the appropriate permits being issued by the City. See Article VIII, Special Exception Uses, § 1.00 and subsections 1.01 and 1.02.

- A. Commercial Uses
 - 1. Home Occupations, subject to Article VIII, § 9.00.

8.04 Area and Dimensional Regulations

Except as may be provided for elsewhere in this Ordinance, the following area and dimensional regulations shall be required:

Minimum Lot Width at The Building Line: 60 Feet

Minimum Lot Area: 6,000 Square Feet Minimum Yards: Front 7 Feet Rear: 5 Feet Side: 5 Feet 38 Feet or 2 ½ Stories Maximum Height Minimum Livable Floor Area in Square Feet: One Story – 1,200 Total One and One-Half Story – 800 First Floor Second Floor – 400 for total of 1,200 Two Story – First Floor – 700 Two Story – Second Floor – 700 for total of 1,400

Corner Lots: Setbacks shall be the same on streets, roads, or highways.

Note: A <u>Site Development Plan</u> is required for all garden home developments as per Article subsection 2.02.

8.05 <u>Buffer Requirements</u>

As described in the Buffer Matrix and subsection 1.05 of this Article. 8.06

8.06 Additional Regulations

- 1. No fence shall be permitted forward of the front building face of the house, other fences shall not exceed seven (7) feet in height.
- 2. No two homes constructed in this district shall be closer to one another than fifteen (15) feet.
- 3. All utilities shall be placed underground.
- 4. There shall be two (2) paved parking spaces provided for each dwelling, the depth of which shall be measured from the back of the curb. Twenty percent (20%) of the parking shall be dedicated to landscaping. There shall be no off-street parking along existing interior streets.
- 5. Customary accessory buildings or structures, one (1) per lot, shall not exceed two hundred (200) square feet.
- 6. All lots shall have vehicular access from the rear of the property (front access shall only be permitted by exception of the Planning Commission)
- An ADA compliant sidewalk shall be provided on each lot as designed during the subdivision process. All new subdivisions shall require a sidewalk system (this requirement may waived upon the issuance of a waiver by the Planning and Zoning Commission).

[END OF R-5, GARDEN HOME RESIDENTIAL DISTRICT]

Delete R-6, Patio Home District