



CITY OF GREENVILLE SITE PLAN APPROVAL	
DATE _____	
<input type="checkbox"/> Approved Noted _____	<input type="checkbox"/> Approved as
Zoning	Engineering
Surveyor/Floodplain	Inspections
Fire/Rescue	GUC Electric
GUC Water/Sewer	GUC Gas
NCDOT	Vegetation
Traffic Services	Notes
* Site plan approval ONLY. Engineer/Architect/Landscape Architect/Surveyor shall be responsible for adequacy of design, errors, omissions in the plans. All plans shall meet all specifications, standards and applicable regulations.	

Corporate Office
324 Evans Street
Greenville, NC 27858
P: 252.758.3746
F: 252.830.3954

Branch Office
4325 Lake Boone Trail, Suite 311
Raleigh, NC 27607
P: 919.784.9330
F: 919.784.9331

NC Engineering Lic. No. C-0206
NC Architectural Lic. No. 50213
C Landscape Architectural Lic. No. C-42



SHEET NO.

C0.1

- NOTES:
- 1) THIS PROPERTY IS SUBJECT TO THE TARP/PALMICO RIVER RIPARIAN BUFFER RULES.
 - 2) THE SURVEYOR MAKES NO GUARANTEE THAT THERE ARE NO OTHER EASEMENTS THAT MAY BENEFIT OR BURDEN THE SUBJECT PROPERTY.
 - 3) THE AREA DEPICTED IN THIS SURVEY IS LOCATED IN ZONE X AND IS NOT WITHIN A SPECIAL FLOOD HAZARD AREA. TAKE FROM N.F.P. RATE MAP DATED JULY 7, 2014 COMMUNITY PANEL NUMBER 3720468800K & 3720469700K.
 - 4) ALL SURFACE UTILITIES SHOWN WERE TAKEN FROM ABOVE GROUND EVIDENCE AND RECORDS PROVIDED BY GREENVILLE UTILITIES COMMISSION.
 - 5) SPOT ELEVATIONS & CONTOURS ESTABLISHED FROM N.G.C. DATA (ELEVATION OF SPOT 1 = 3710.1).
 - 6) PROPERTY LINES SHOWN AS DASHED REPRESENT LINES NOT SURVEYED.

GRAPHIC SCALE: 1" = 30'

Add Notes:

Chlorination Tap & Bacteriological Sample Point (BSP)

Temporary Chlorination Taps and Bacteriological Sample Points shall be constructed of the same materials as one inch water services. Temporary appurtenances shall be installed such that the angle ball valve is securely located 36" min. above finish grade. Upon approval of final bacteriological samples the tubing and angle ball valve shall be removed, the corporation stop closed and a cap placed on the corporation stop.

*This project will require the submittal of a construction plan and shop drawings for approval and an executed hold harmless agreement prior to scheduling a required pre-construction conference. Call 252-551-1551 to schedule the conference. No utility work can take place without a pre-construction conference.

Show/Label MBL.
Show/Label Bufferyards.

Include Site Data Table to this sheet also.
Add Proposed Use to Site Data Table.
Add LUC to Site Data Table.

SITE PLAN NOTES:

- CONTRACTOR MUST NOTIFY ONE-CALL CENTER, INC. (NC ONE-CALL) (811) AT LEAST 72 HOURS PRIOR TO THE START OF EXCAVATION OR TRENCHING TO HAVE ALL UNDERGROUND UTILITIES LOCATED.
- ALL REQUIRED IMPROVEMENTS SHALL CONFORM TO THE CITY OF GREENVILLE MANUAL OF STANDARD DESIGNS AND DETAILS (MSDD).
- CITY OF GREENVILLE AND NCDOT DRIVEWAY PERMITS ARE NOT REQUIRED.
- THIS PROJECT DISTURBS LESS THAN 1 ACRE OF LAND. A SOIL EROSION AND SEDIMENTATION CONTROL PLAN IS NOT REQUIRED.
- THIS PROJECT DISTURBS LESS THAN 0.5 ACRE OF LAND. A STORMWATER MANAGEMENT PLAN IS NOT REQUIRED.
- CONTRACTOR SHALL NOTIFY CITY OF GREENVILLE ENGINEERING DEPARTMENT AT 252-329-4888, 48 HOURS PRIOR TO MAKING CONNECTIONS TO EXISTING STORM DRAINS LOCATED WITHIN PUBLIC STORM DRAINAGE EASEMENTS OR RIGHT-OF-WAY.

GRADING NOTES:

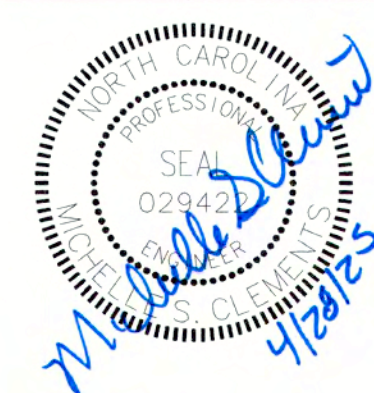
- ALL VEGETATION AND TOPSOIL SHALL BE STRIPPED FROM FILL AREAS PRIOR TO PLACING FILL. ANY QUESTIONABLE OR UNSUITABLE SOIL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER & OWNER.
- AFTER STRIPPING TOPSOIL AND PRIOR TO PLACING FILL, IT IS RECOMMENDED THAT ALL BUILDING AREAS BE ROLLED WITH A VIBRATORY ROLLER TO CONSOLIDATE LOOSE SOILS IN THE UPPER SUBGRADE. COMPACTION TEST RESULTS OF AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY WILL BE REQUIRED PRIOR TO ENGINEER'S APPROVAL FOR FILL PLACEMENT. CONTRACTOR SHALL CONTACT THE ENGINEER AND SCHEDULE A PROOF ROLL FOR SUBGRADE AND WHEN AGGREGATE BASE COURSE HAS BEEN INSTALLED.
- ALL FILL SHALL BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698).
- ALL CULVERT CLEANOUT MUST BE DONE SUCH THAT THE SEDIMENT IS EITHER EXTRACTED OR BLOWN UPSTREAM FOR CLEANUP. UNDER NO CIRCUMSTANCES SHALL SEDIMENT BE BLOWN DOWNSTREAM.
- GRADING CONTRACTOR SHALL TEMPORARY SEED AND MULCH ALL DISTURBED AREAS IN ACCORDANCE WITH THE SPECIFICATIONS WITHIN 14 DAYS OF COMPLETION OF GRADING WORK. UPON COMPLETION OF THE PROJECT, THE GENERAL CONTRACTOR SHALL INSTALL PERMANENT SEEDING AS OUTLINED IN THE SPECIFICATIONS. ALL DRAINAGE PIPES SHALL BE CLEANED BY THE GENERAL CONTRACTOR TO REMOVE ANY SEDIMENTS THAT HAVE ACCUMULATED.
- ALL PLANTING AREAS SHALL BE BACKFILLED WITH TOPSOIL AND RAKED DOWN, REMOVING ALL CLOUDS AND ROOTS, AND LEFT READY FOR SEEDING AND PLANTING.



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REV#	DATE	DESCRIPTION	BY	CHK
A	02.05.25	95% CDS FOR OWNER REVIEW	AFF	MSC
B	04.17.25	100% CDS FOR OWNER REVIEW	AFF	MSC
C	04.24.25	100% CONSTRUCTION DRAWINGS	AFF	MSC

TEG PROJECT NO. 20240180

CLIENT PROJECT NO.

PROJECT TITLE
COG Class A Fire
Training Center
2900 E 2nd St
Greenville, NC 27858
Pitt County

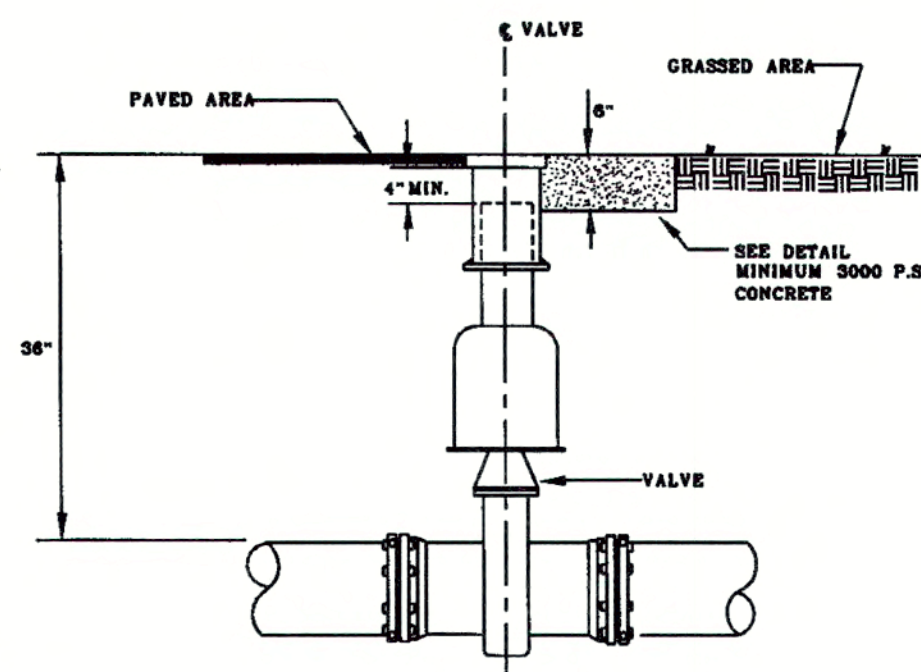
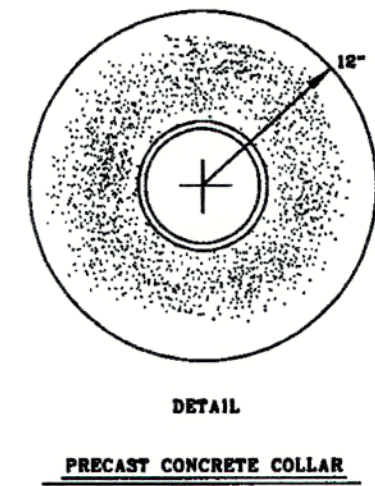
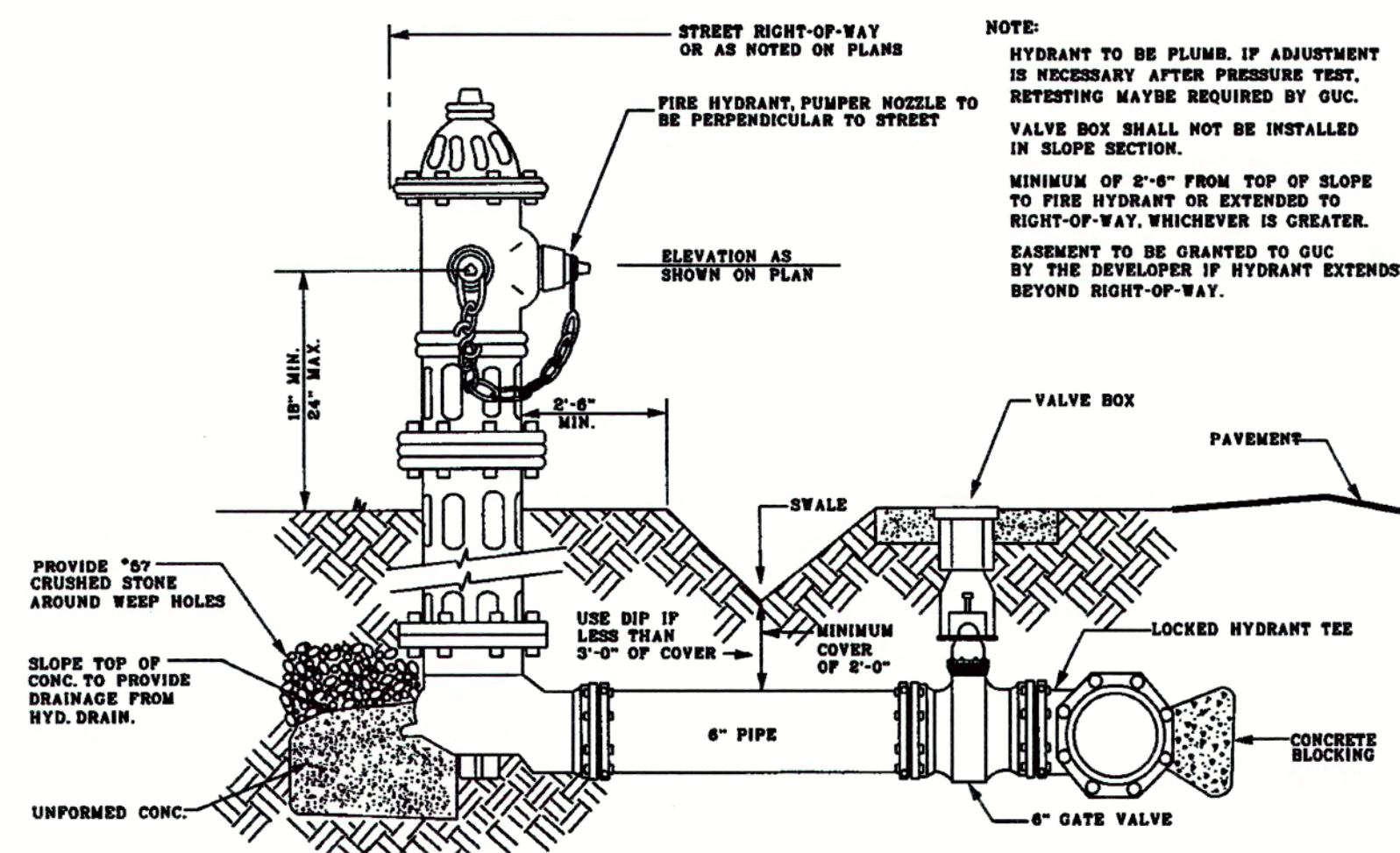
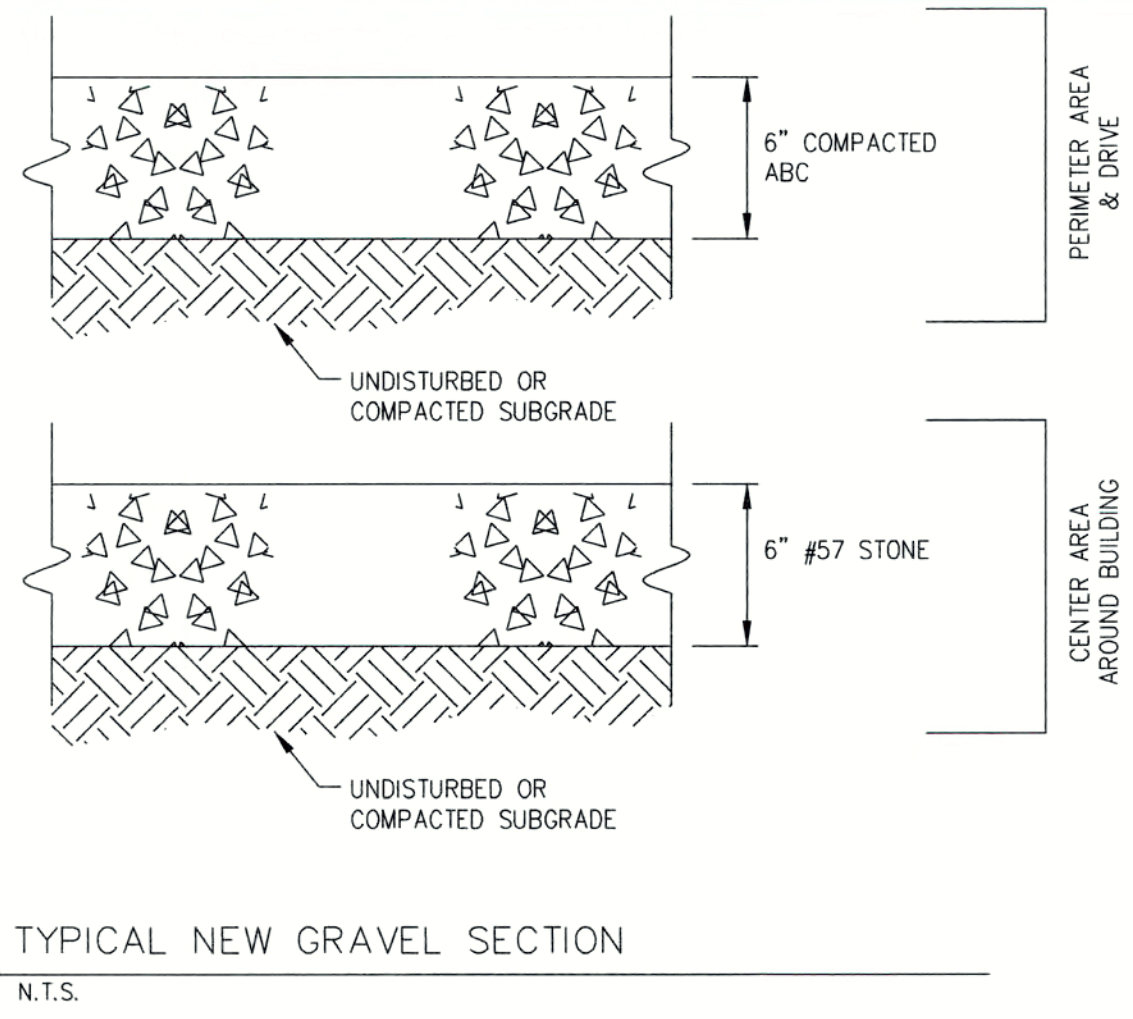
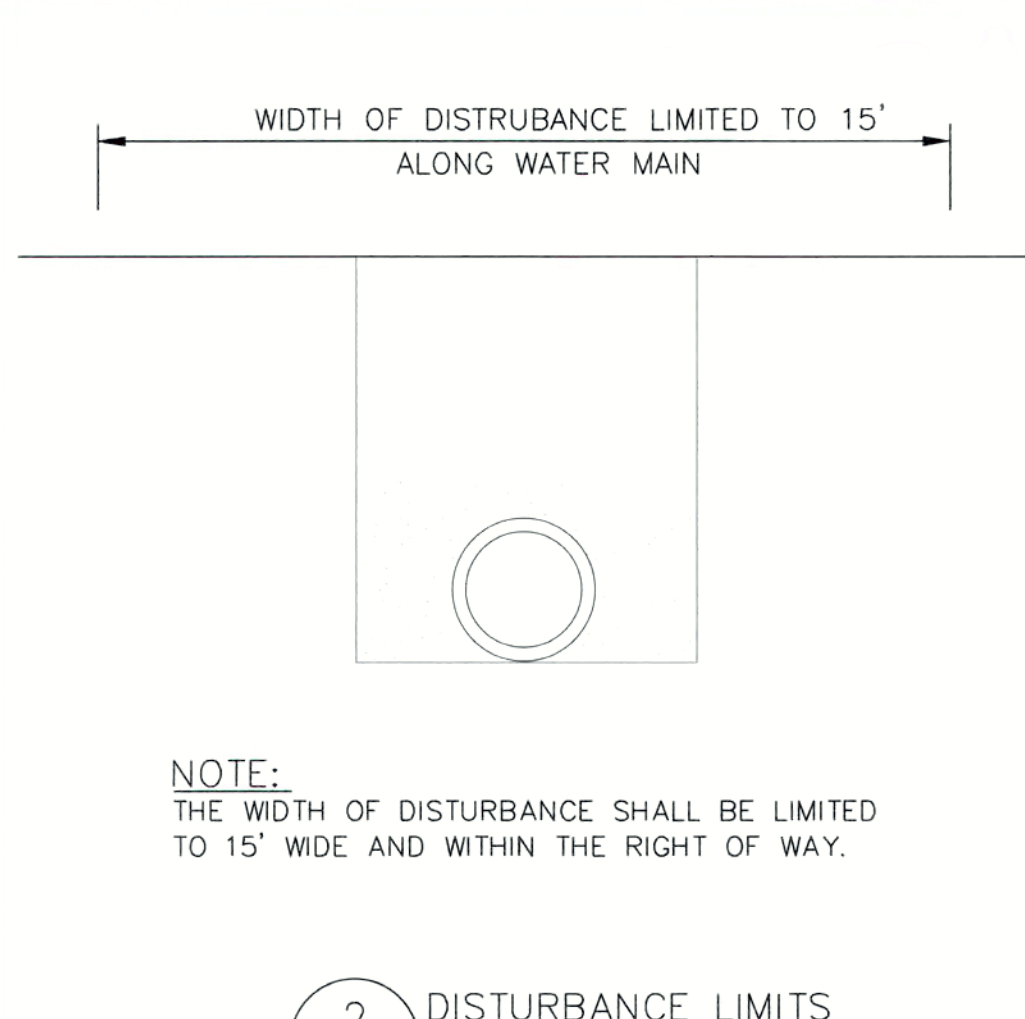
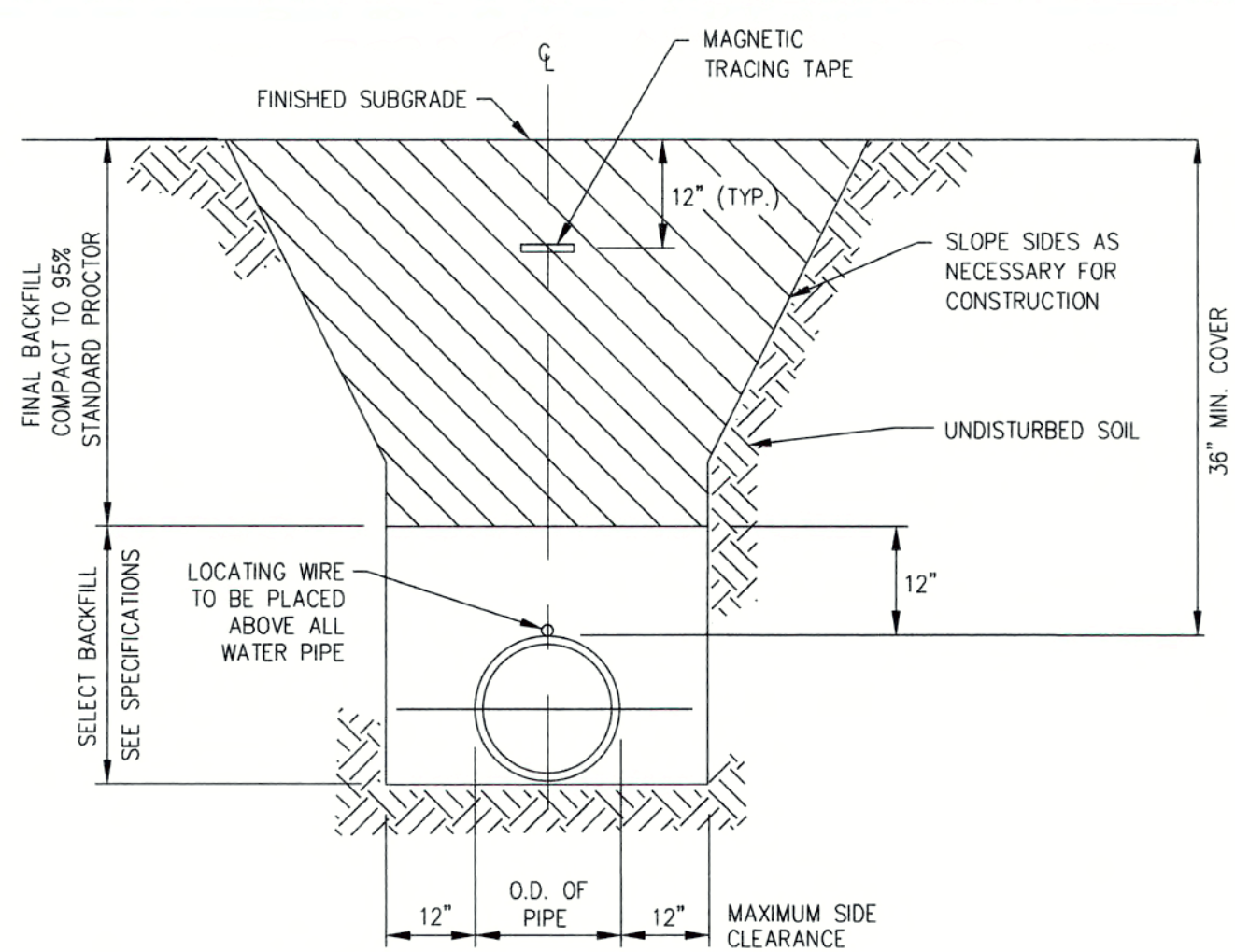
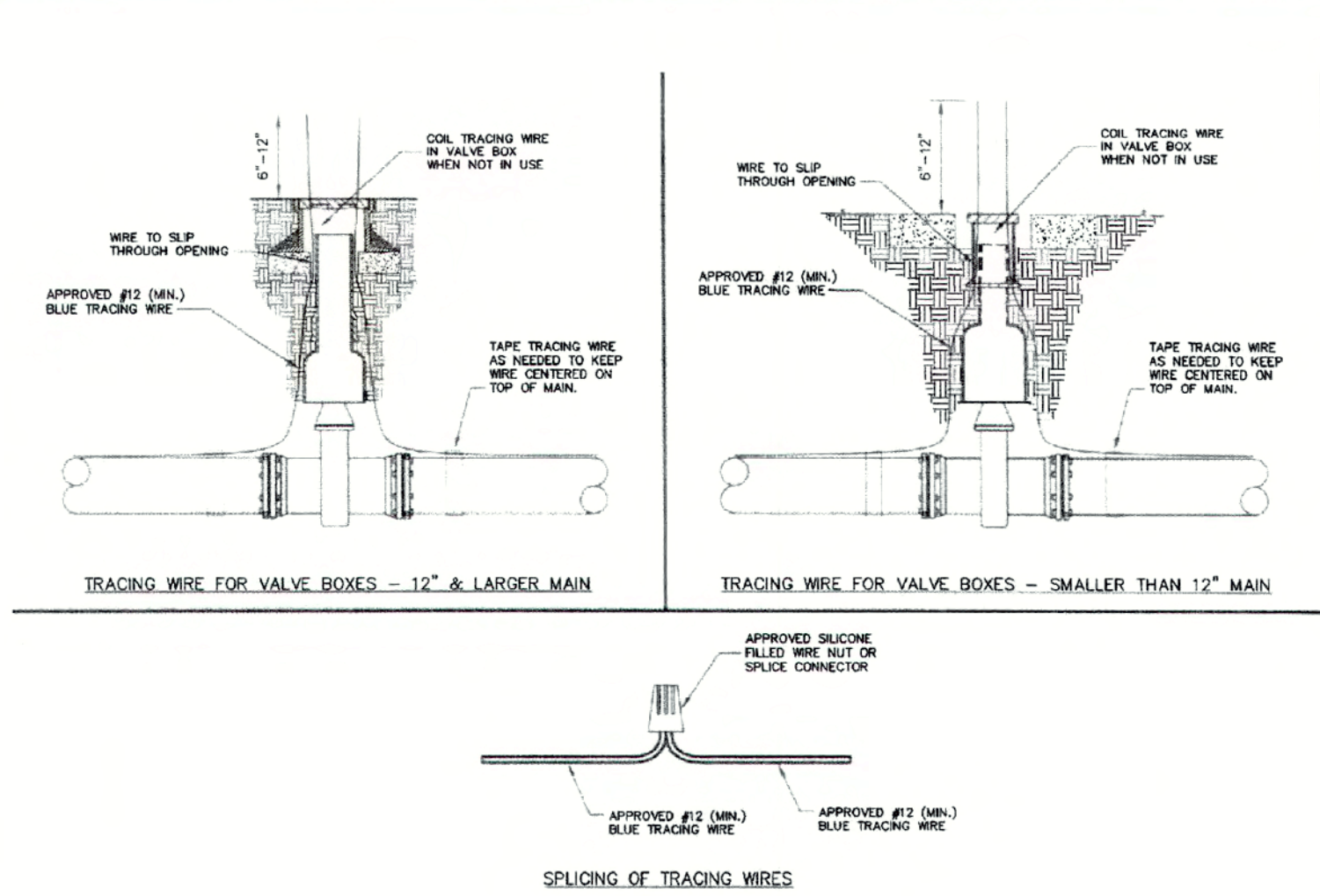
SHEET NAME

Site, Grading, & Utility Plan

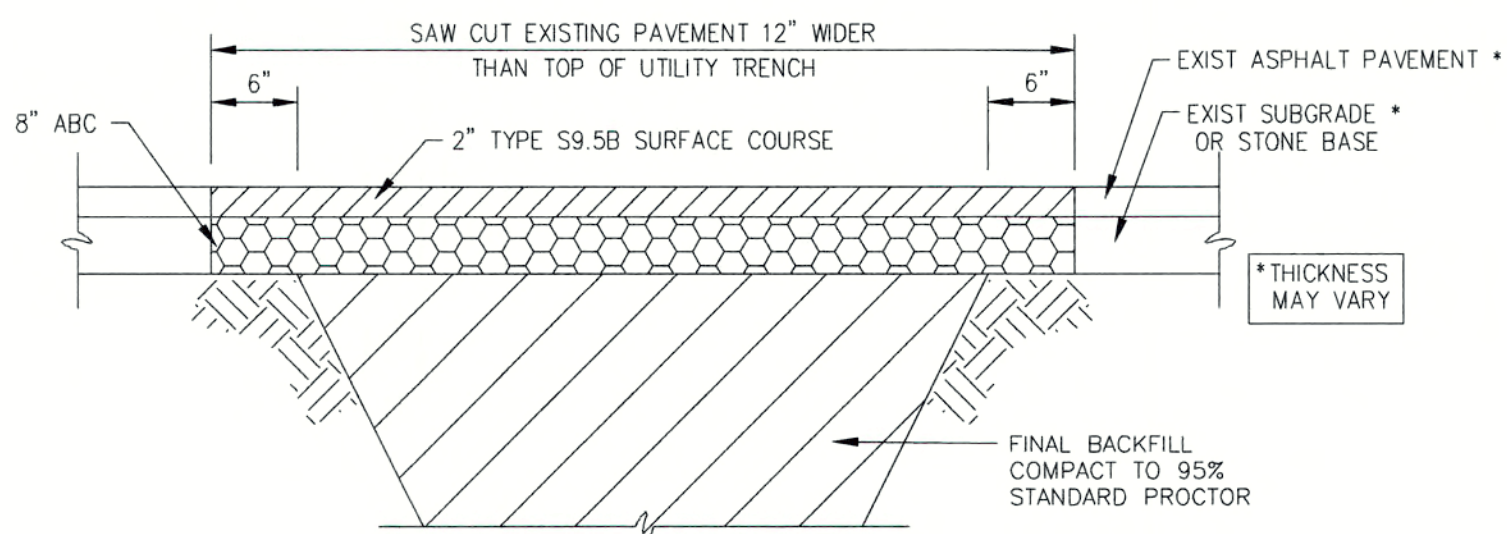
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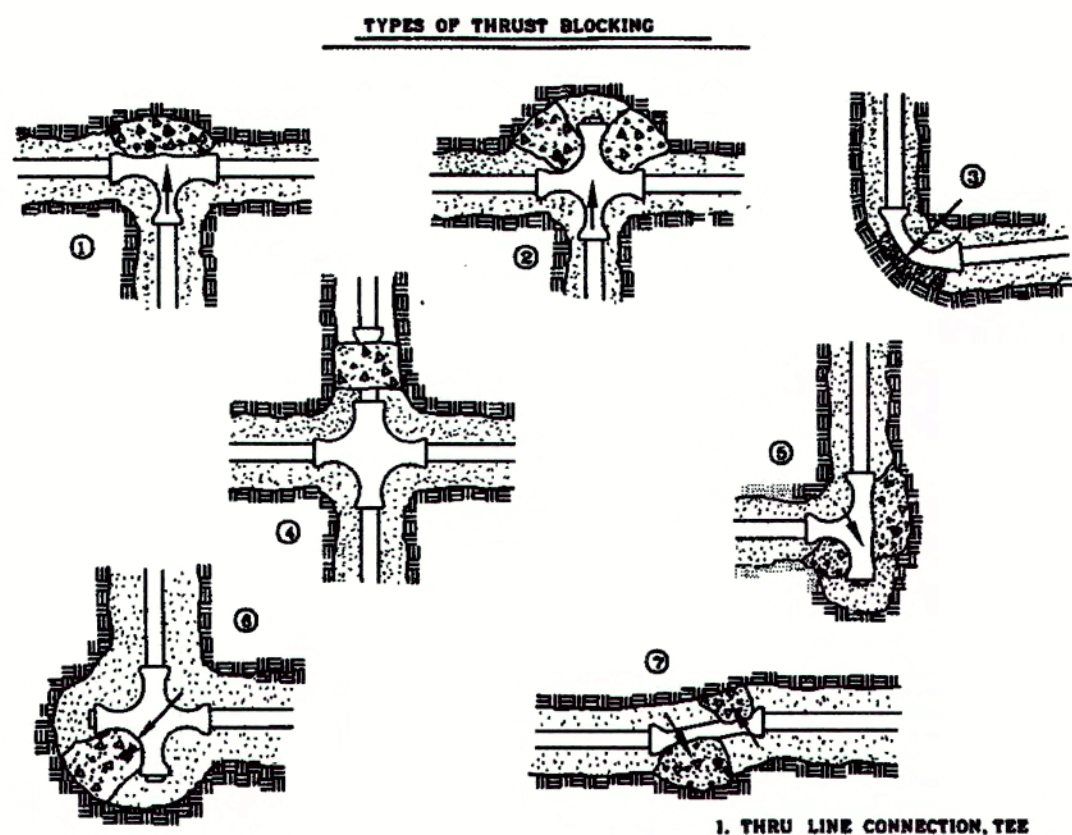


Provide standard detail for 24" curb and gutter



RESULTANT THRUST AT FITTING AT 150 PSI WATER PRESSURE

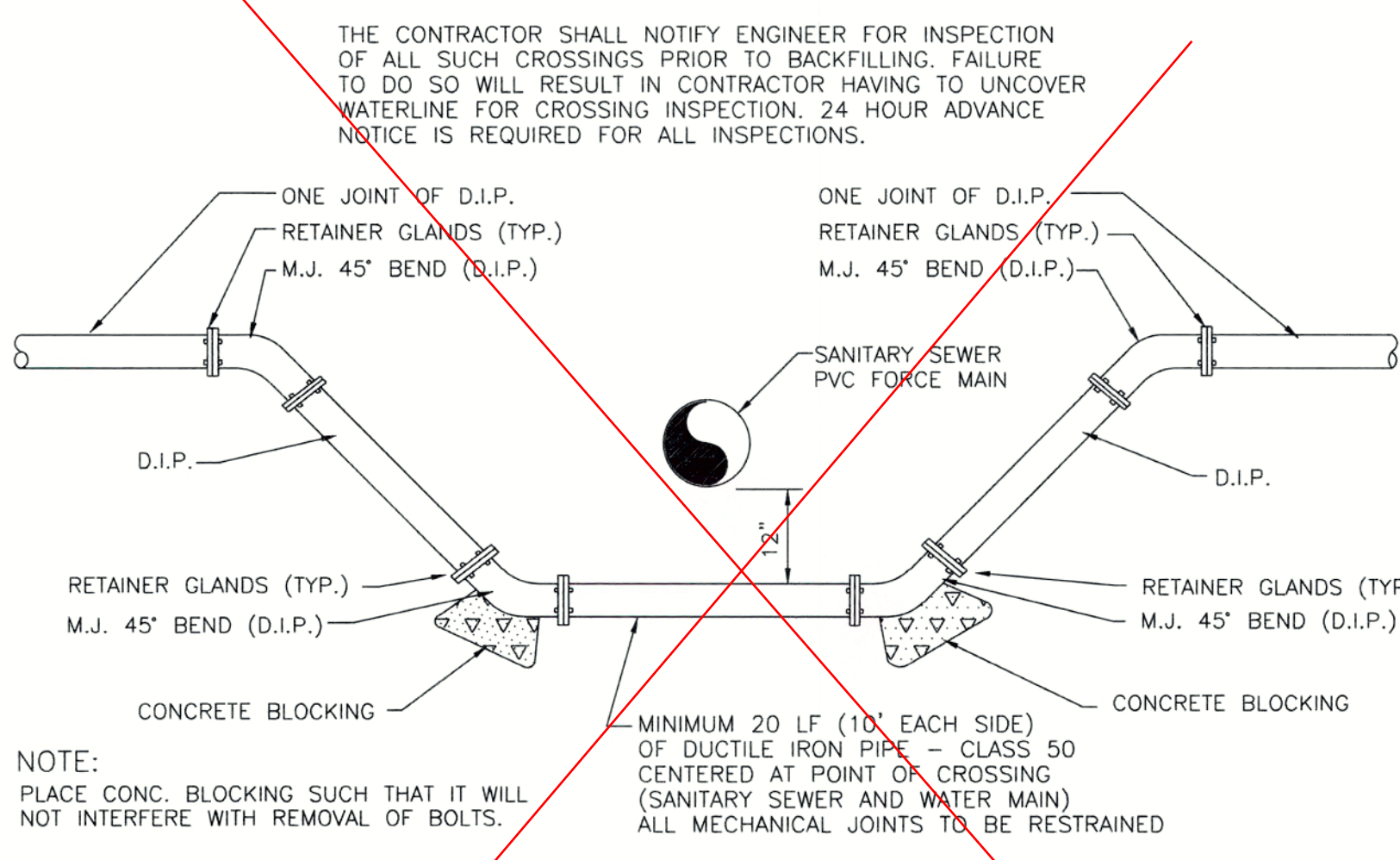
NOM. PIPE DIA.	TOTAL POUNDS				
	DEAD END	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4"	2,700	3,800	3,100	1,100	530
6"	5,800	8,000	4,300	2,200	1,100
8"	9,700	13,800	7,400	3,800	1,800
10"	14,500	20,500	11,100	5,700	2,900
12"	20,500	28,000	15,700	8,000	4,000
14"	27,600	38,000	21,100	11,000	5,400
16"	35,700	50,000	27,900	14,000	7,000
18"	44,800	63,000	34,400	17,500	8,800
20"	55,000	77,000	42,100	21,500	10,800
24"	78,500	110,000	60,000	31,800	15,400
30"	120,500	170,000	92,300	47,100	23,800
36"	172,500	244,000	132,300	67,500	33,800
42"	235,500	330,000	178,600	91,000	45,700
48"	304,000	430,000	232,700	118,500	59,800
54"	384,100	543,000	294,000	149,000	75,300



SOIL	BEARING LOAD (LB./SQ. FT.)
MUCK	0
SOFT CLAY	1,000
SILT	1,500
SANDY SILT	3,000
SAND	4,000
SANDY CLAY	6,000
HARD CLAY	8,000

POLYWRAP SHALL BE USED TO COVER FITTINGS AND BOLTS. TO DETERMINE THE SIZE OF A CONCRETE THRUST BLOCK, DIVIDE THE TOTAL FORCE BY THE BEARING VALUES OF THE SOIL. THE QUOTIENT WILL BE THE SIZE OF THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET. APPROXIMATE VALUES FOR VARIOUS TYPES OF SOIL ARE LISTED IN TABLE. NO RESPONSIBILITY CAN BE ASSUMED FOR THE ACCURACY OF THE DATA IN THIS TABLE DUE TO THE WIDE VARIATION OF BEARING LOAD CAPABILITIES FOR EACH SOIL TYPE.

- THRU LINE CONNECTION, TEE
- THRU LINE CONNECTION, TEE CROSS USED AS TEE
- DIRECTION CHANGE, ELBOW
- CHANGE LINE SIZE, REDUCER
- DIRECTION CHANGE, TEE USED AS ELBOW
- DIRECTION CHANGE, CROSS USED AS ELBOW
- DIRECTION CHANGE



5 WATER SEWER CROSSING DETAIL

SEED BED PREPARATION NOTES

- SCARIFY SOIL TO A DEPTH OF THREE (3) INCHES AND WORK INTO A SATISFACTORY SEED BED BY DISKING, USE OF CULTIPACKERS, HARROWS, DRAGS AND OTHER APPROVED MEANS.
- PREPARATION OUTLINED ABOVE SHALL NOT BE DONE WHEN THE SOIL IS FROZEN, WET OR OTHERWISE IN AN UNFAVORABLE CONDITION.
- BEGIN AND COMPLETE SEEDING OPERATIONS AS OUTLINED AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETED, BUT IN NO EVENT LATER THAN 14 CALENDAR DAYS AFTER COMPLETION OF FINAL GRADING.
- SEEDING AND MULCHING OPERATIONS SHALL NOT BEGIN UNTIL ELECTRICAL SERVICE HAS BEEN INSTALLED WITHIN THE PROJECT, UNLESS DIRECTED BY THE ARCHITECT/ENGINEER.
- DISTRIBUTE LIME AND FERTILIZER, UNIFORMLY OVER SEED BED AND HARROW, RAKE, OR OTHERWISE WORK SAME INTO SEED BEDS.
- DISTRIBUTE SEED UNIFORMLY OVER SEED BED. COVER SEED LIGHTLY AFTER SEEDING.
- NO LIME, FERTILIZER, OR SEED SHALL BE APPLIED DURING A STRONG WIND, WHEN SOIL IS WET OR OTHERWISE UNWORKABLE. SHOULD RAIN FOLLOW SEEDING BEFORE ROLLING IS BEGUN, THE BED SHALL NOT BE ROLLED.

GROUND STABILIZATION		
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
* PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
* HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
* SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1 14 DAYS ARE ALLOWED.
* SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
* ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)

SEEDING AND MULCHING

ALL ROADWAY AREAS		WATER AND BORROW LOCATIONS	
MARCH 1 - AUGUST 31	SEPTEMBER 1 - FEBRUARY 28	MARCH 1 - AUGUST 31	SEPTEMBER 1 - FEBRUARY 28
50# TALL FESCUE	50# TALL FESCUE	75# TALL FESCUE	75# TALL FESCUE
10# CENTIPEDE	10# CENTIPEDE	25# BERMUDAGRASS (HULLED)	35# BERMUDAGRASS (HULLED)
25# BERMUDAGRASS (HULLED)	35# BERMUDAGRASS (HULLED)	500# FERTILIZER	500# FERTILIZER
500# FERTILIZER	500# FERTILIZER	4000# LIMESTONE	4000# LIMESTONE
4000# LIMESTONE	4000# LIMESTONE		
NOTE: 50# OF BAHIA GRASS MAY BE SUBSTITUTED FOR EITHER CENTIPEDE OR BERMUDAGRASS ONLY UPON ENGINEER'S REQUEST.			

TEMPORARY SEEDING

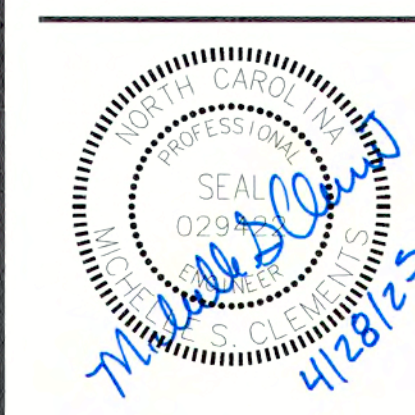
DATE APR 15-AUG 14 GERMAN MILLET 50 LBS/ACRE
AUG 15-APR 14 RYE (GRAIN) 50 LBS/ACRE
YEAR ROUND FERTILIZER 10-20-20 400 LBS/ACRE ANALYSIS

VEGETATIVE PLAN:

VEGETATIVE COVER SHALL BE IN ACCORDANCE WITH THE SEEDING SCHEDULE AND THE FOLLOWING SPECIFICATION SECTIONS:
SECTION 02110 SITE CLEARING
SECTION 02120 EROSION & POLLUTION CONTROL
SECTION 02228 CLEAN-UP & SEEDING

THE EAST GROUP
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■ Surveying ■ Technology
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Greenville
NORTH CAROLINA



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A	02.05.25	95% CDs FOR OWNER REVIEW	APF	MSC
B	04.17.25	100% CDs FOR OWNER REVIEW	APF	MSC
C	04.24.25	100% CONSTRUCTION DRAWINGS	APF	MSC

TEG PROJECT NO. 20240180

CLIENT PROJECT NO.

PROJECT TITLE
COG Class A Fire Training Center
2900 E 2nd St
Greenville, NC 27858
Fitt County

SHEET NAME

SITE DETAILS

SHEET NO.

C2.0