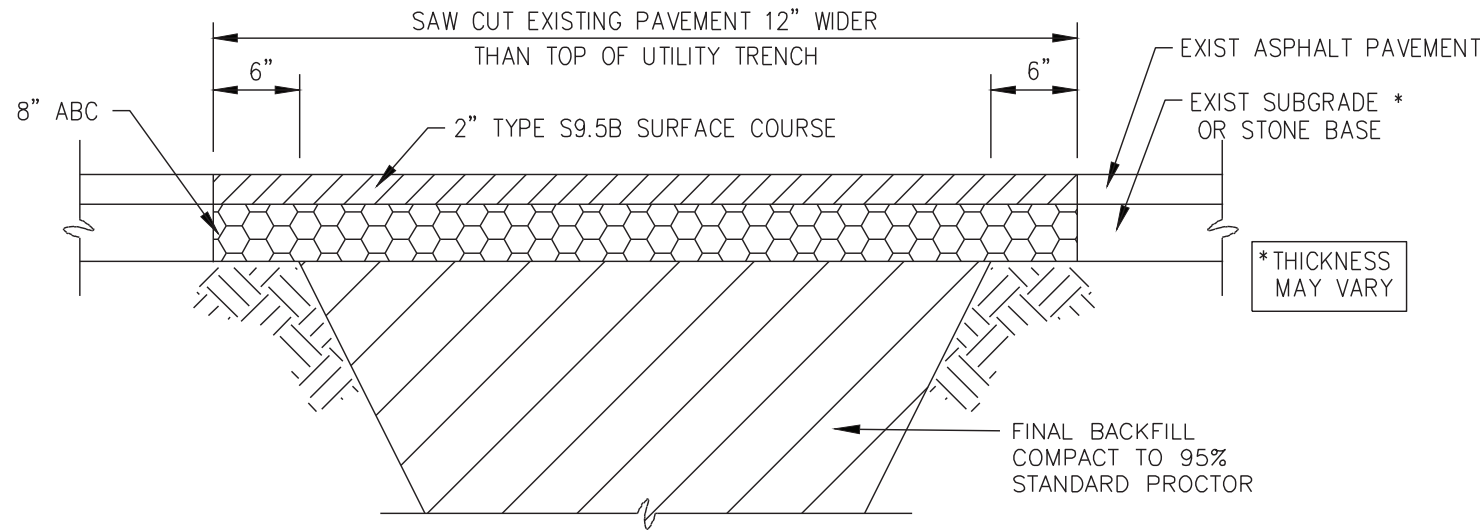
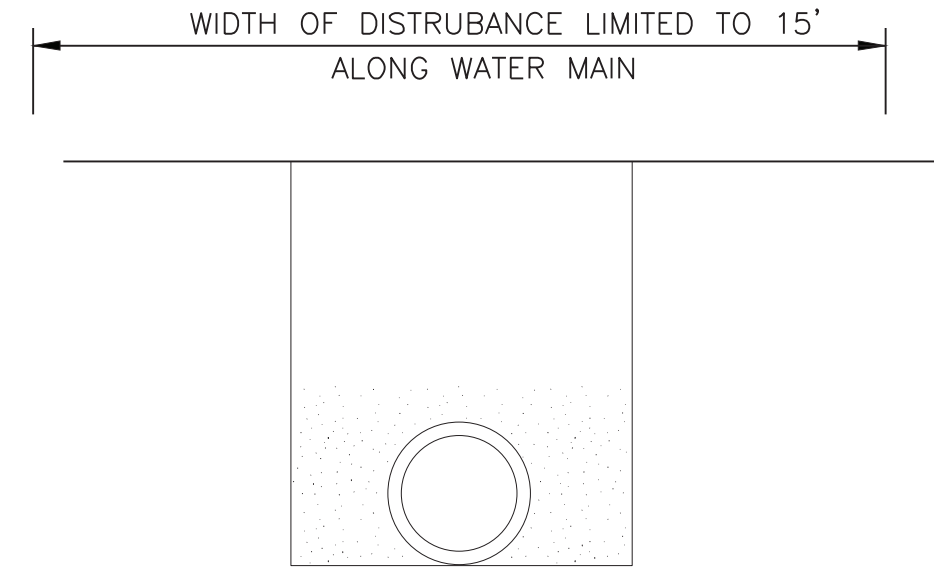
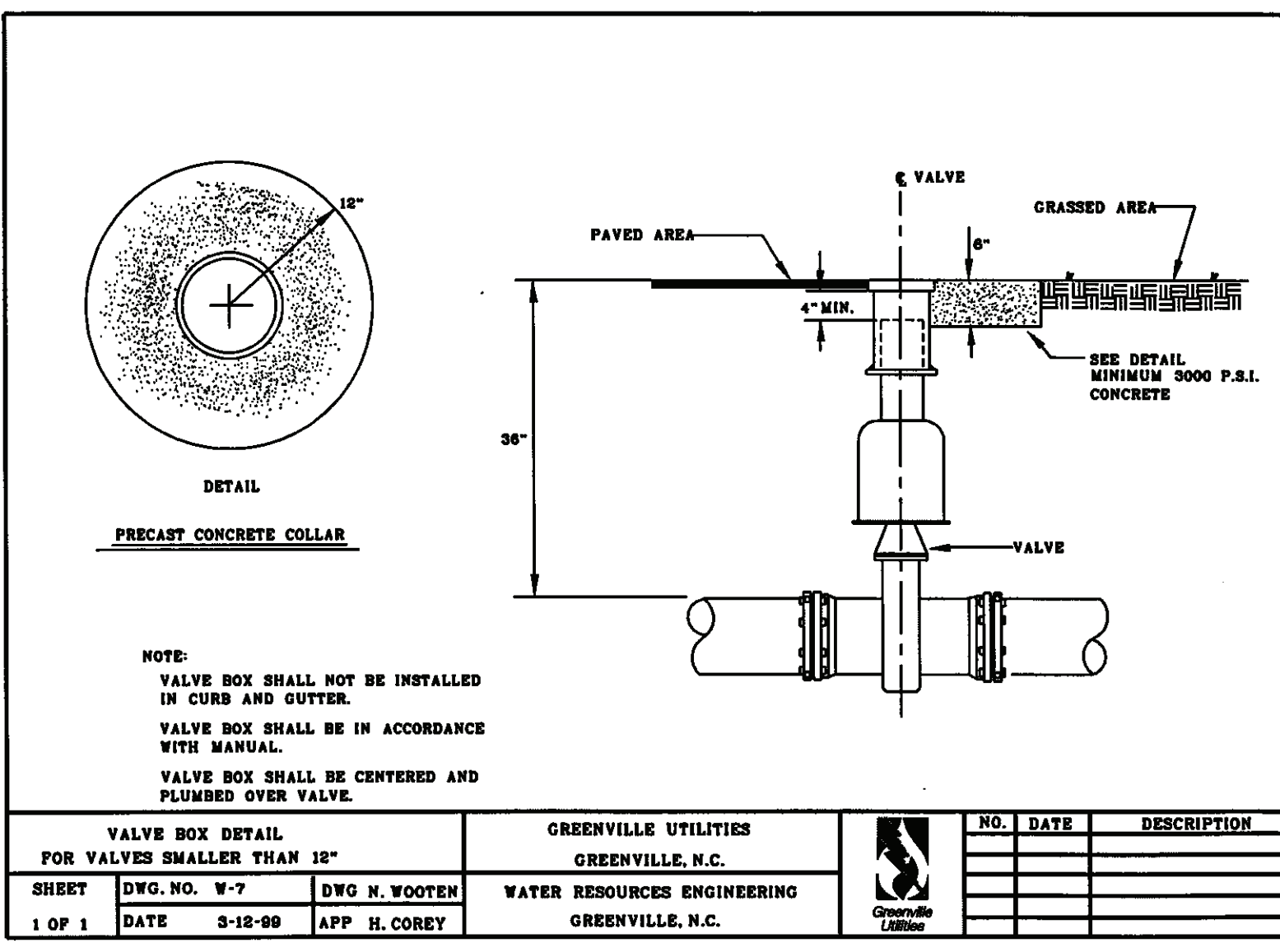
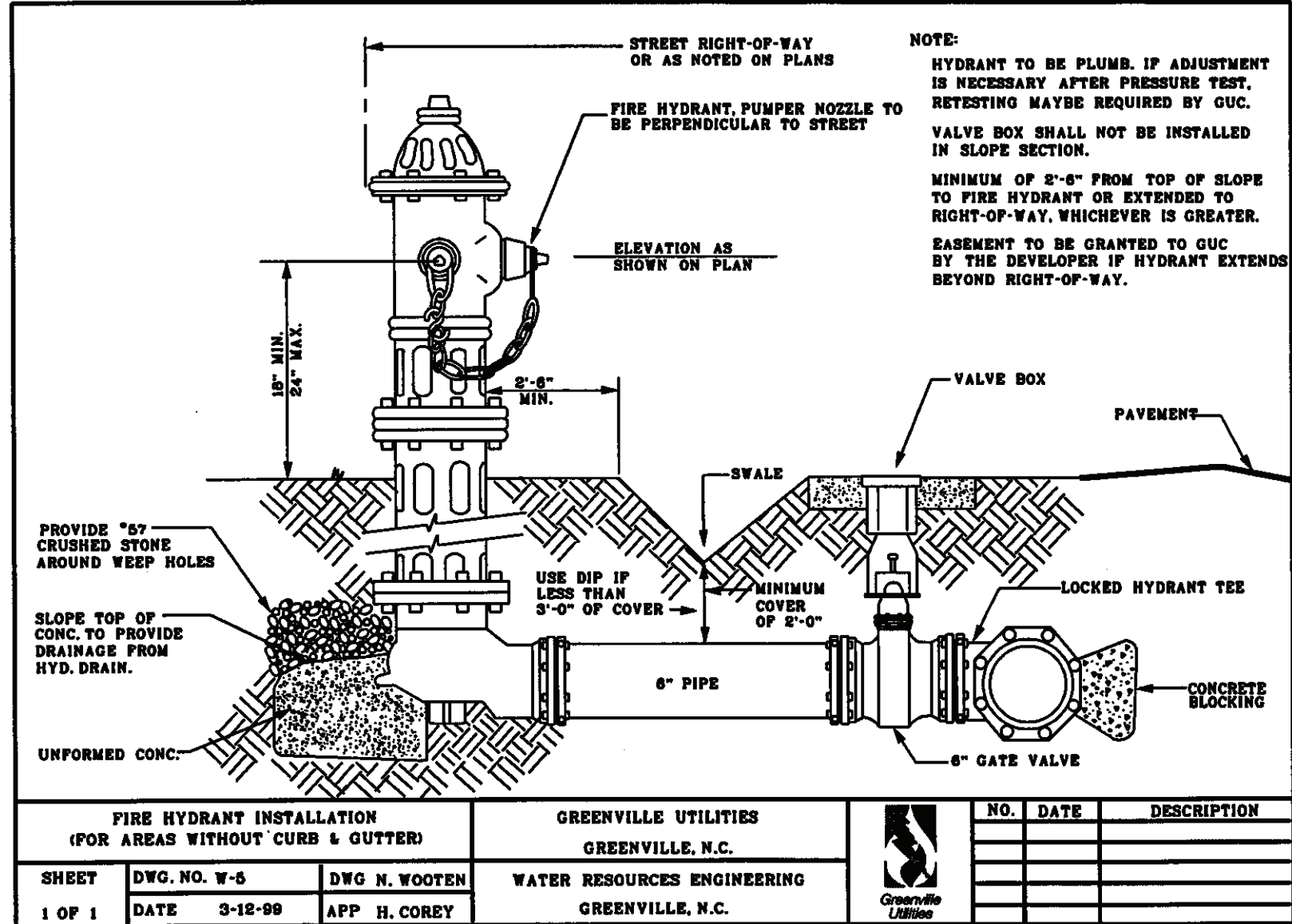


1 WATER PIPE TRENCH DETAIL  
N.T.S.

3 TYPICAL NEW GRAVEL SECTION  
N.T.S.



4 ASPHALT REPAIR  
N.T.S.

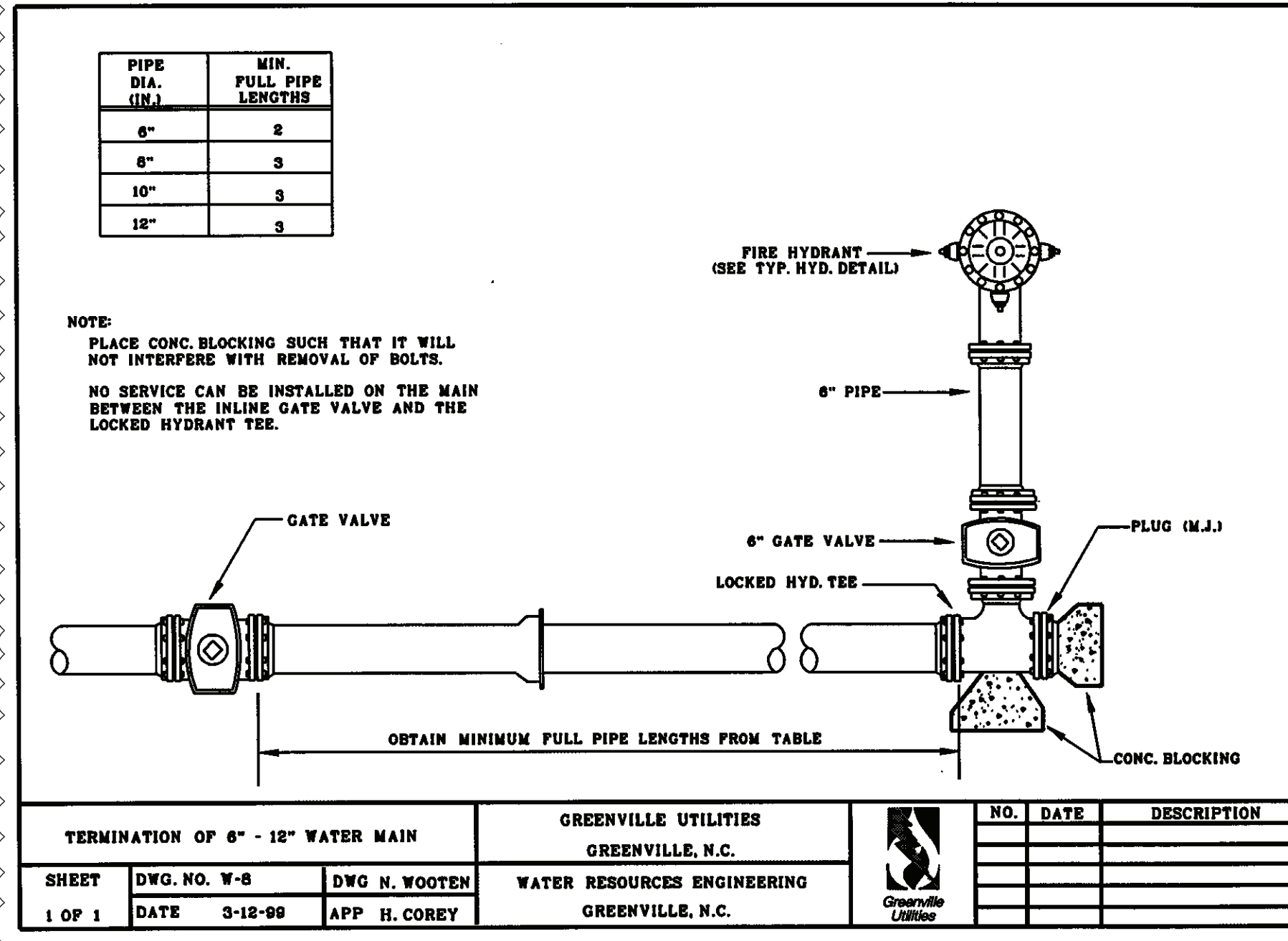


2 DISTURBANCE LIMITS  
N.T.S.

RESULTANT THRUST AT FITTING AT 160 PSI WATER PRESSURE					
PIPE DIA.	DEAD END	90°	45°	22-1/2°	11-1/4°
4"	2,700	2,800	2,100	1,100	650
6"	5,600	6,000	4,500	2,300	1,100
8"	9,700	10,000	7,400	3,800	1,900
10"	14,500	15,000	11,100	5,700	2,900
12"	20,600	21,000	16,700	8,000	4,000
14"	27,600	28,000	21,100	11,000	5,400
16"	36,700	37,000	27,800	14,000	7,000
18"	44,800	45,000	34,400	17,500	8,800
20"	55,000	55,000	42,100	21,500	10,800
24"	75,500	75,000	60,000	31,800	15,400
30"	120,600	120,000	92,300	47,100	23,600
36"	172,800	172,000	132,500	67,500	33,800
42"	233,300	233,000	178,800	91,000	45,700
48"	304,000	304,000	232,700	118,600	59,600
54"	384,100	384,000	294,000	149,000	75,300

SOIL	BEARING LOAD (LBS./SQ. FT.)
MUCK	0
SOFT CLAY	1,000
SILT	1,500
SANDY SILT	5,000
SAND	4,000
SANDY CLAY	8,000
HARD CLAY	8,000

THRUST BLOCKING DETAIL	GREENVILLE UTILITIES GREENVILLE, N.C.	WATER RESOURCES ENGINEERING GREENVILLE, N.C.	NO. DATE DESCRIPTION
SHEET DWG. NO. W-12	DWG. N. WOOTEN	DATE 3-12-99	APP. H. COREY



- SEED BED PREPARATION NOTES
1. 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.
  2. PREPARATION OUTLINED ABOVE SHALL NOT BE DONE WHEN THE SOIL IS FROZEN, WET OR OTHERWISE IN AN UNFAVORABLE CONDITION.
  3. 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.
  4. SEEDING AND MULCHING OPERATIONS SHALL NOT BEGIN UNTIL ELECTRICAL SERVICE HAS BEEN INSTALLED WITHIN THE PROJECT, UNLESS DIRECTED BY THE ARCHITECT/ENGINEER.
  5. DISTRIBUTE LIME AND FERTILIZER, UNIFORMLY OVER SEED BED AND HARROW, RAKE, OR OTHERWISE WORK SAME INTO SEED BEDS.
  6. DISTRIBUTE SEED UNIFORMLY OVER SEED BED. COVER SEED LIGHTLY AFTER SEEDING.
  7. 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

MARCH 1 - AUGUST 31  
50# TALL FESCUE  
10# CENTIPEDE  
25# BERMUDAGRASS (HULLED)  
500# FERTILIZER  
4000# LIMESTONE

#### ALL ROADWAY AREAS

SEPTEMBER 1 - FEBRUARY 28  
50# TALL FESCUE  
10# CENTIPEDE  
35# BERMUDAGRASS (HULLED)  
500# FERTILIZER  
4000# LIMESTONE

#### WATER AND BORROW LOCATIONS

MARCH 1 - AUGUST 31  
75# TALL FESCUE  
25# BERMUDAGRASS (HULLED)  
500# FERTILIZER  
4000# LIMESTONE

SEPTEMBER 1 - FEBRUARY 28  
75# TALL FESCUE  
35# BERMUDAGRASS (HULLED)  
500# FERTILIZER  
4000# LIMESTONE

NOTE: 50# OF BAHIA GRASS MAY BE SUBSTITUTED FOR EITHER CENTIPEDE OR BERMUDAGRASS ONLY UPON ENGINEER'S REQUEST.



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NC Engineering Lic. No. C-0206  
NC Architectural Lic. No. 50213  
NC Landscape Architectural Lic. No. C-427



CHK	BY	DESCRIPTION	DATE	REV#
APF	MSC	95% CDS FOR OWNER REVIEW	02/05/25	A
APF	MSC	100% CDS FOR OWNER REVIEW	04/17/25	B
APF	MSC	100% CONSTRUCTION DRAWINGS	04/24/25	C
APF	MSC	RESUBMIT SITE PLAN TO COG	05/20/25	D

TEG PROJECT NO. 20240180

CLIENT PROJECT NO.

PROJECT TITLE  
COG Class A Fire  
Training Center

2800 E 2nd St  
Greenville, NC 27658  
Pitt County

SHEET NAME

SITE DETAILS

SHEET NO.

C2.0