

SEEDING SCHEDULE

Date	Type	Planting Rate
Aug 15 - Nov 1	Tall Fescue or Hard Fescue	300 lb/acre
Nov 1 - Mar 1	300 lb/acre	
Mar 1 - Apr 15	Tall Fescue or Hard Fescue	300 lb/acre
Apr 15 - June 30	Hulled common Bermuda grass, Weeping Love Grass	25 lb/acre
July 15 - Aug 15	Tall Fescue and wee or Sorghum-Sudan Hybrid	35 lb/acre

SHOULDERS, SIDE DITCHES, SLOPES

Date	Type	Planting Rate
Mar 1 - June 1	Seriesa Lespedeza (scarified) and Tall Fescue	50 lb/acre
Mar 1 - Apr 15	Add Tall Fescue	120 lb/acre
Mar 1 - June 30	Add Weeping Love Grass	10 lb/acre
Mar 1 - June 30	Add Hulled Common Bermuda grass	25 lb/acre
June 1 - Sept 1	wee Tall Fescue and wee or Sorghum-Sudan Hybrid	120 lb/acre
Sept 1 - Mar 1	Seriesa Lespedeza (unhulled/scarified) and Tall Fescue	70 lb/acre
	Add Abruzzi Rye or Annual Rye	25 lb/acre

Consult Erosion Control Officer or NRCS for additional alternatives for vegetating denuded areas. The above vegetation rates are those which do well under local conditions other seeding rate combinations are possible.

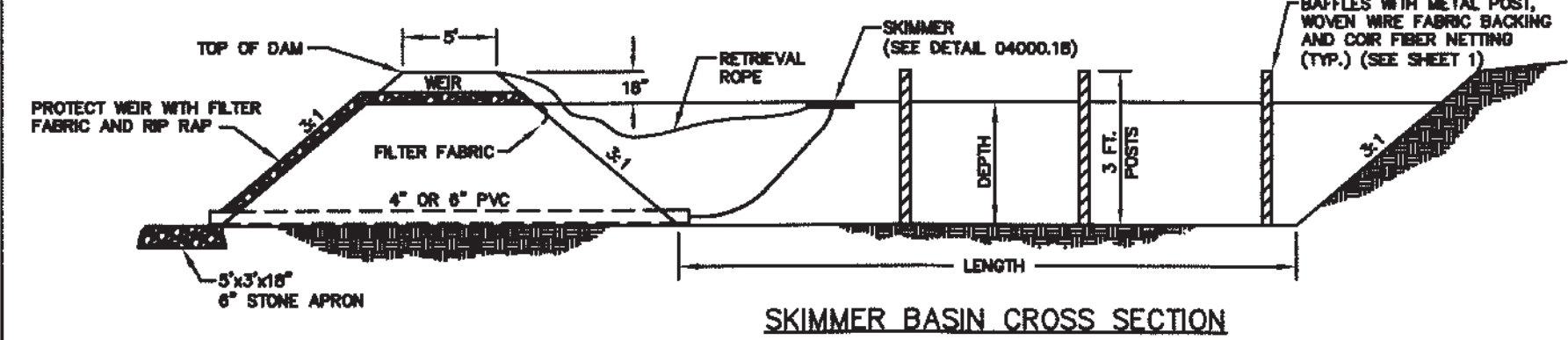
Temporary - Reseed according to optimum season for desired permanent vegetation. Do not allow temporary cover to grow over 12 inches in height before mowing to keep fescue from being shaded out.

Beha grass shall not be used in Town maintained areas.

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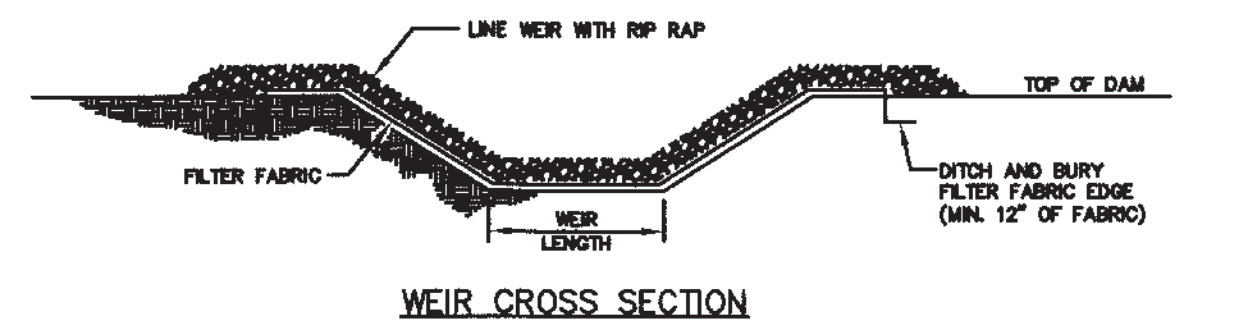


- 1. USE FOR DRAINAGE AREAS NOT EXCEEDING 5 (FIVE) ACRES.
- 2. EARTH BERM SHALL BE STABILIZED w/SEEDING ACCORDING TO TOWN SPECIFICATIONS.

DESIGN OF SPILLWAYS

DRAINAGE AREA (ACRES)	WEIR LENGTH ¹ (FT)
1	4.0
2	6.0
3	8.0
4	10.0
5	12.0

¹DIMENSIONS SHOWN ARE MINIMUM



MAINTENANCE

INSPECT TEMPORARY SEDIMENT TRAPS AND EMPTY SKIMMER OF ALL DEBRIS AFTER EACH PERIOD OF SIGNIFICANT RAINFALL. REMOVE SEDIMENT AND RESTORE TRAP TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. PLACE THE SEDIMENT THAT IS REMOVED IN A DESIGNATED DISPOSAL AREA. REPAIR NETTING.

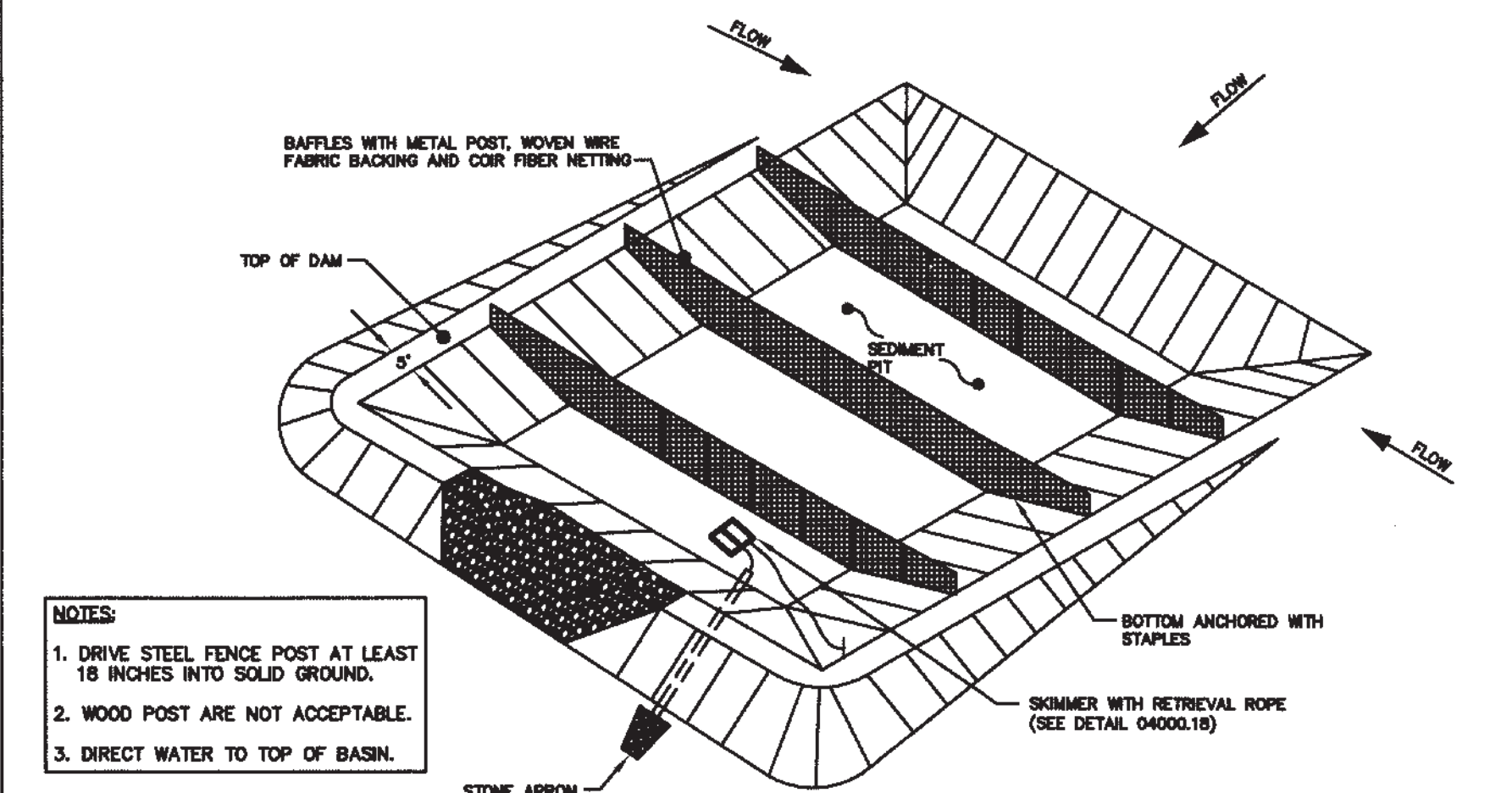
CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 FEET BELOW THE LOW POINT OF THE EMBANKMENT. IMMEDIATELY FILL ANY SETTLEMENT OF THE EMBANKMENT TO SLIGHTLY ABOVE DESIGN GRADE. ANY RIP RAP DISPLACED FROM THE SPILLWAY MUST BE REPLACED IMMEDIATELY.

STABILIZE THE EMBANKMENT AND ALL DISTURBED AREAS ABOVE THE SEDIMENT POOL AND DOWNSTREAM FROM THE TRAP IMMEDIATELY AFTER CONSTRUCTION WITH SEEDING.



STANDARD TEMPORARY SKIMMER BASIN

DETAIL No. 04000.03
SHEET 2 OF 2



- 1. DRIVE STEEL FENCE POST AT LEAST 18 INCHES INTO SOLID GROUND.
- 2. WOOD POST ARE NOT ACCEPTABLE.
- 3. DIRECT WATER TO TOP OF BASIN.



STANDARD TEMPORARY SKIMMER BASIN

DETAIL No. 04000.03
SHEET 1 OF 2

BASE LEVELING PAD NOTES:

THE LEVELING PAD IS TO BE CONSTRUCTED OF CRUSHED STONE OR 2,000 PSI± UNREINFORCED CONCRETE.

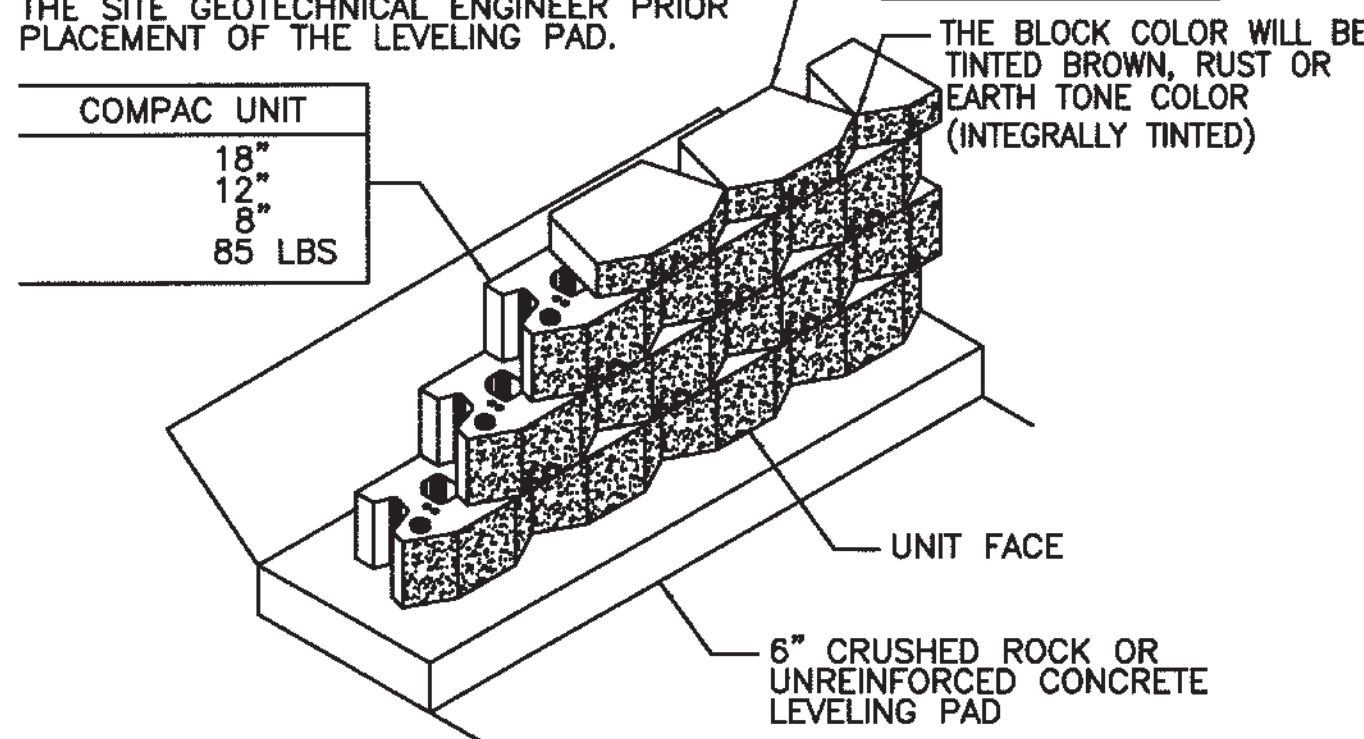
THE BASE FOUNDATION IS TO BE APPROVED BY THE SITE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF THE LEVELING PAD.

COMPAC UNIT

18"
12"
6"
85 LBS

MINI CAP UNIT

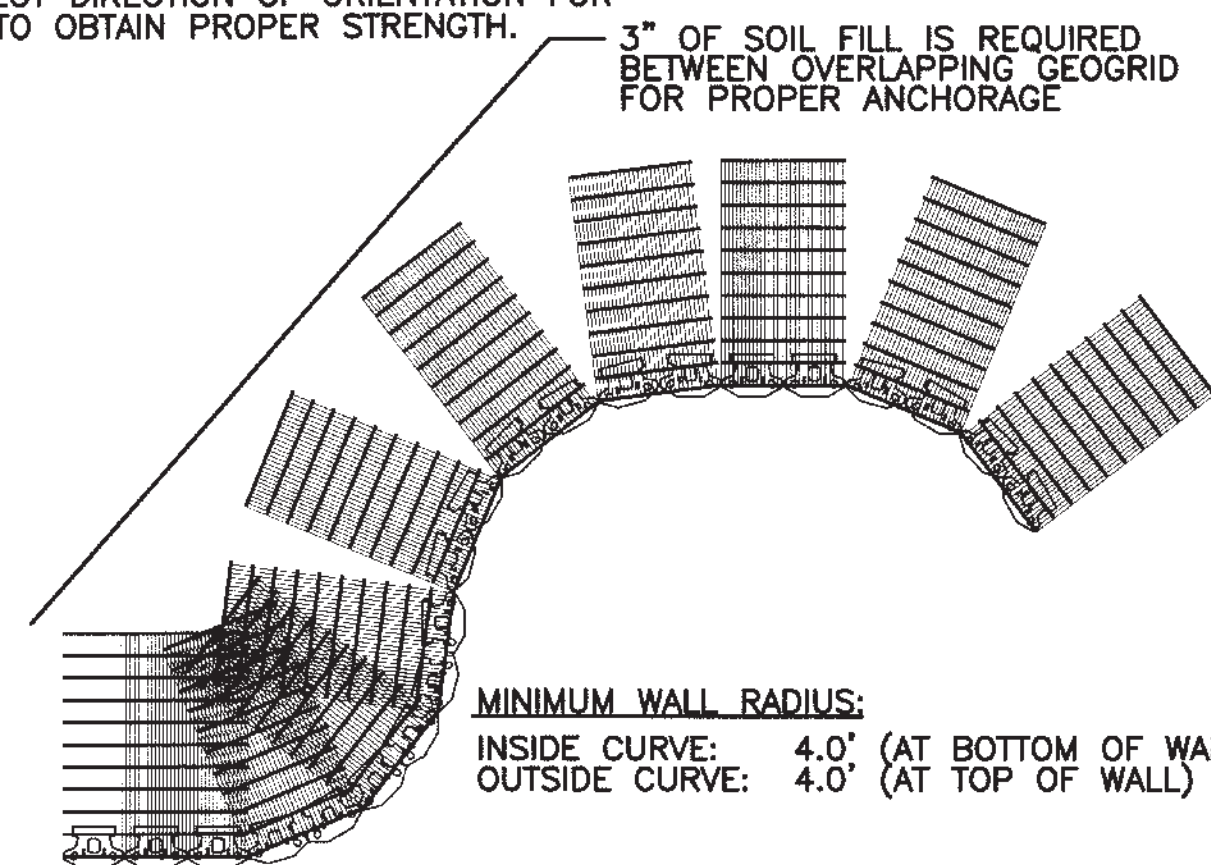
WIDTH: 18"
DEPTH: 10"
HEIGHT: 4"
WEIGHT: 45 LBS



SCALE: 3/8" = 1'-0"

DIMENSIONS & WEIGHT MAY VARY BY REGION

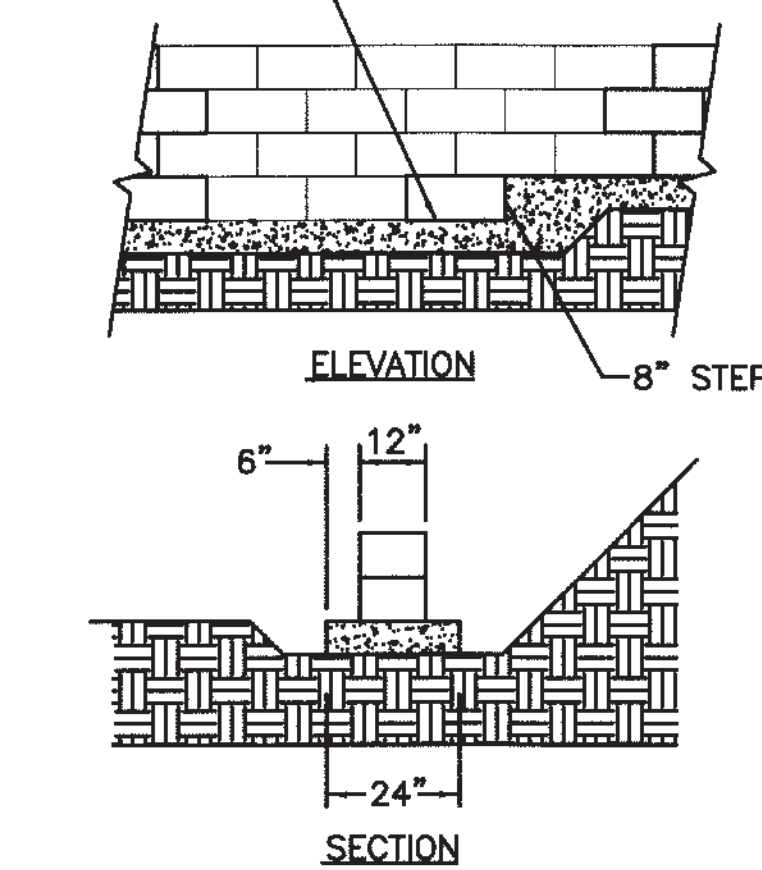
CHECK WITH MANUFACTURER SPECIFICATIONS ON CORRECT DIRECTION OF ORIENTATION FOR GEOGRID TO OBTAIN PROPER STRENGTH.



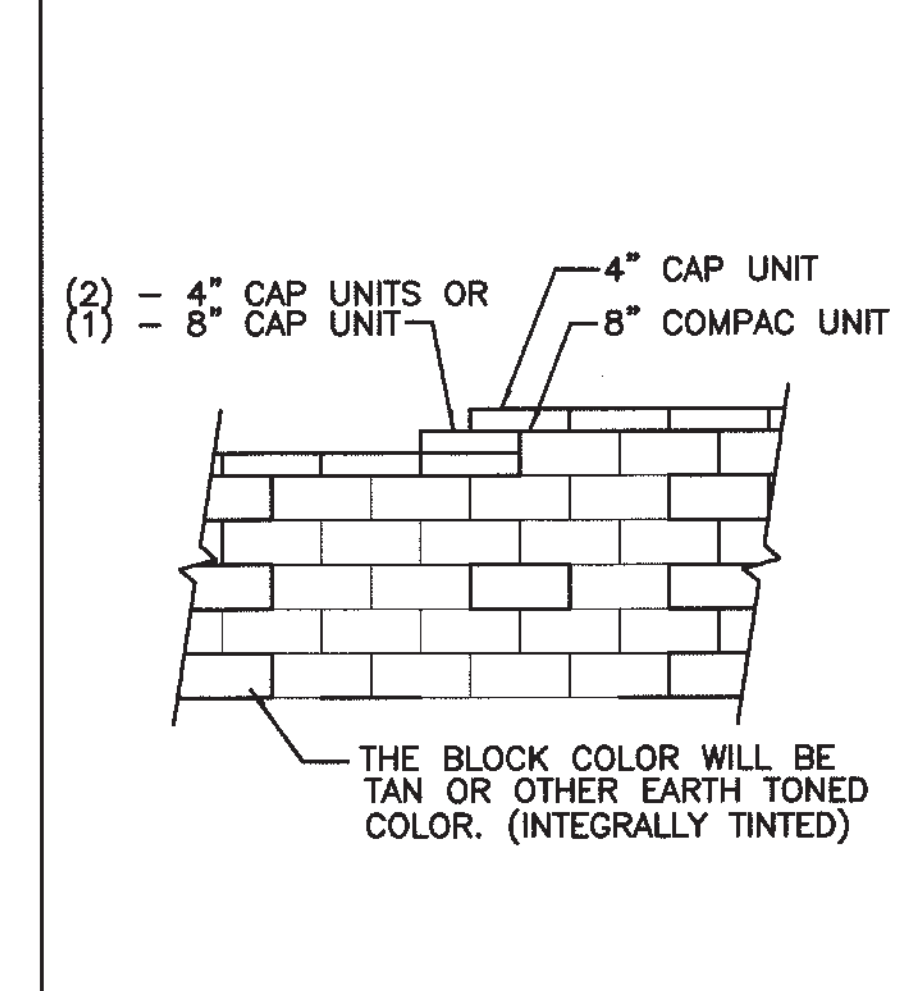
SCALE: 5/32" = 1'-0"

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6" CRUSHED ROCK OR UNREINFORCED CONCRETE LEVELING PAD



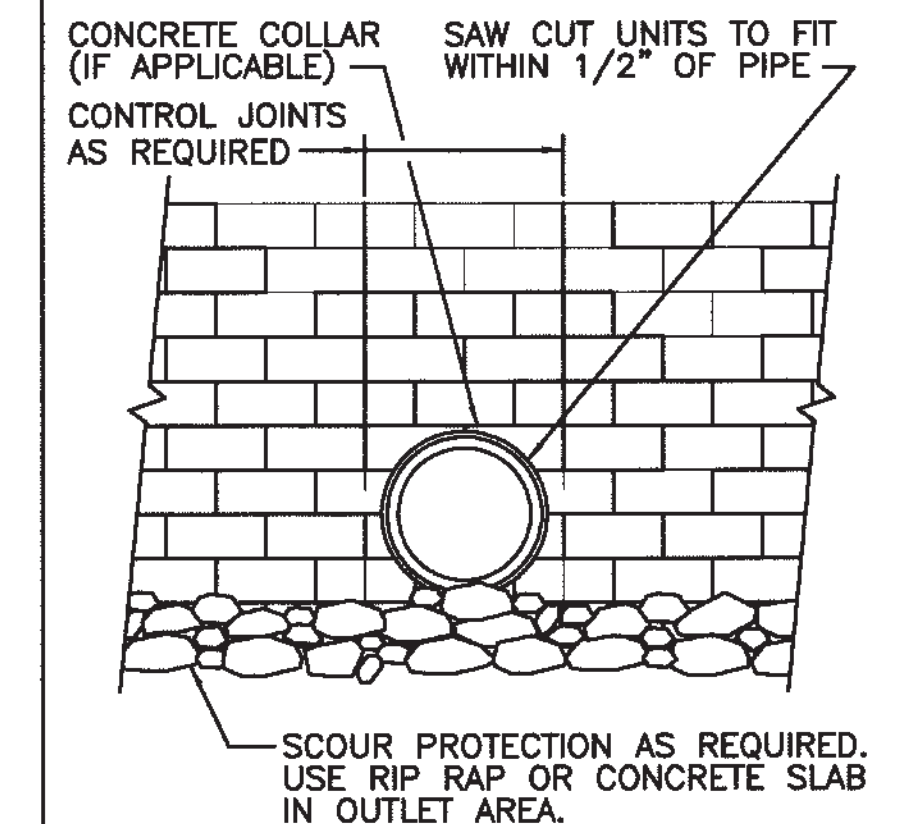
SCALE: 1/4" = 1'-0"



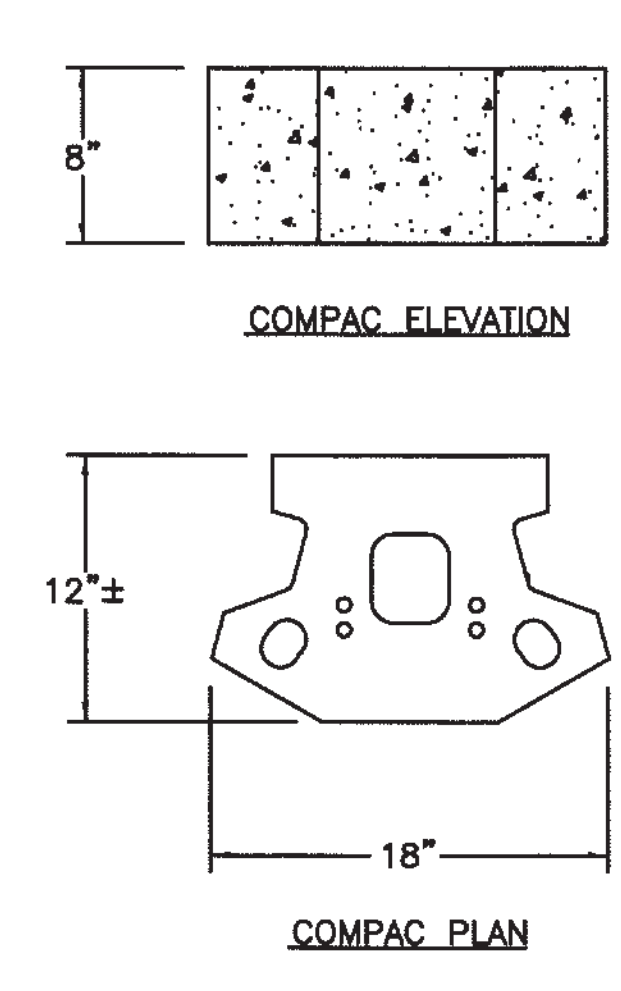
SCALE: 1/4" = 1'-0"

NOTE:

- 1. COLLAR MAY BE CAST AROUND PIPE FOR EASE OF CONSTRUCTION AND APPEARANCE.



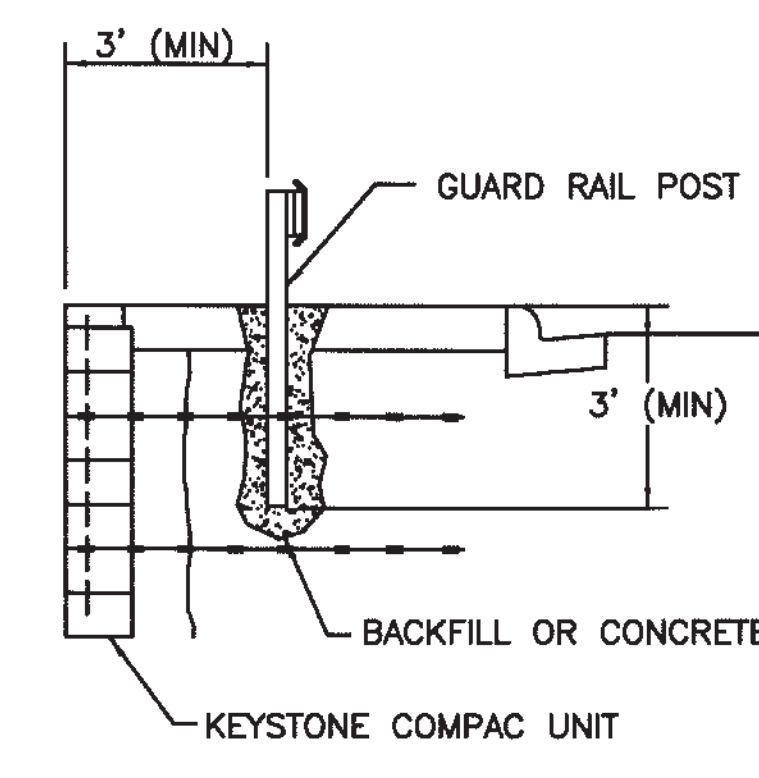
SCALE: 1/4" = 1'-0"



SCALE: 1" = 1'-0"

NOTE:

- 1. AUGER THROUGH GEOGRID LAYERS.
- 2. BACKFILL OR CONCRETE GUARD RAIL POST IN PLACE



SCALE: 1/4" = 1'-0"

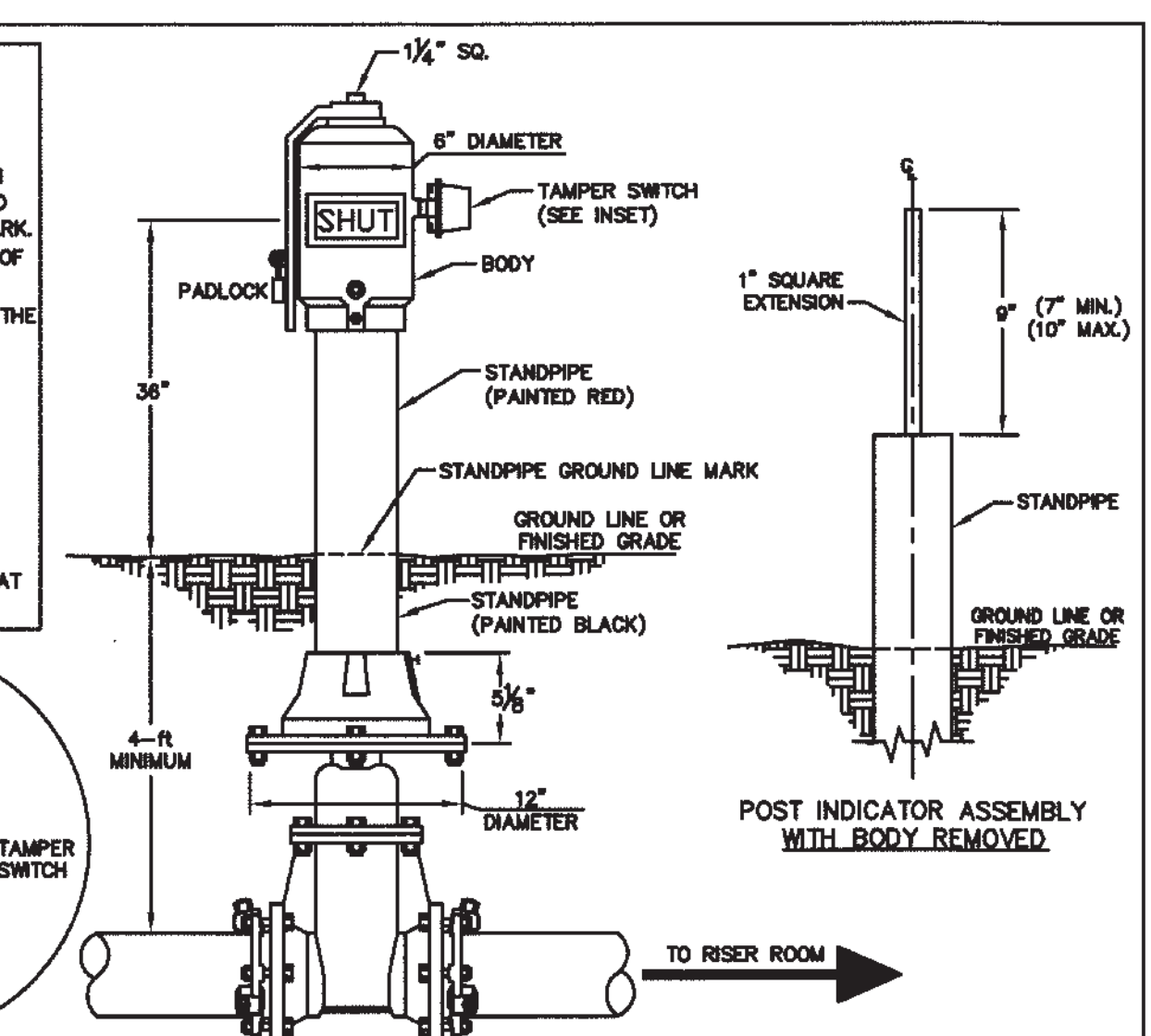
SEEDBED PREPARATION

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
2. RIP THE ENTIRE AREA TO 6-INCH DEPTH.
3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
4. APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW *).
5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
6. SEED ON FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED, RE-ESTABLISHED FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
9. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

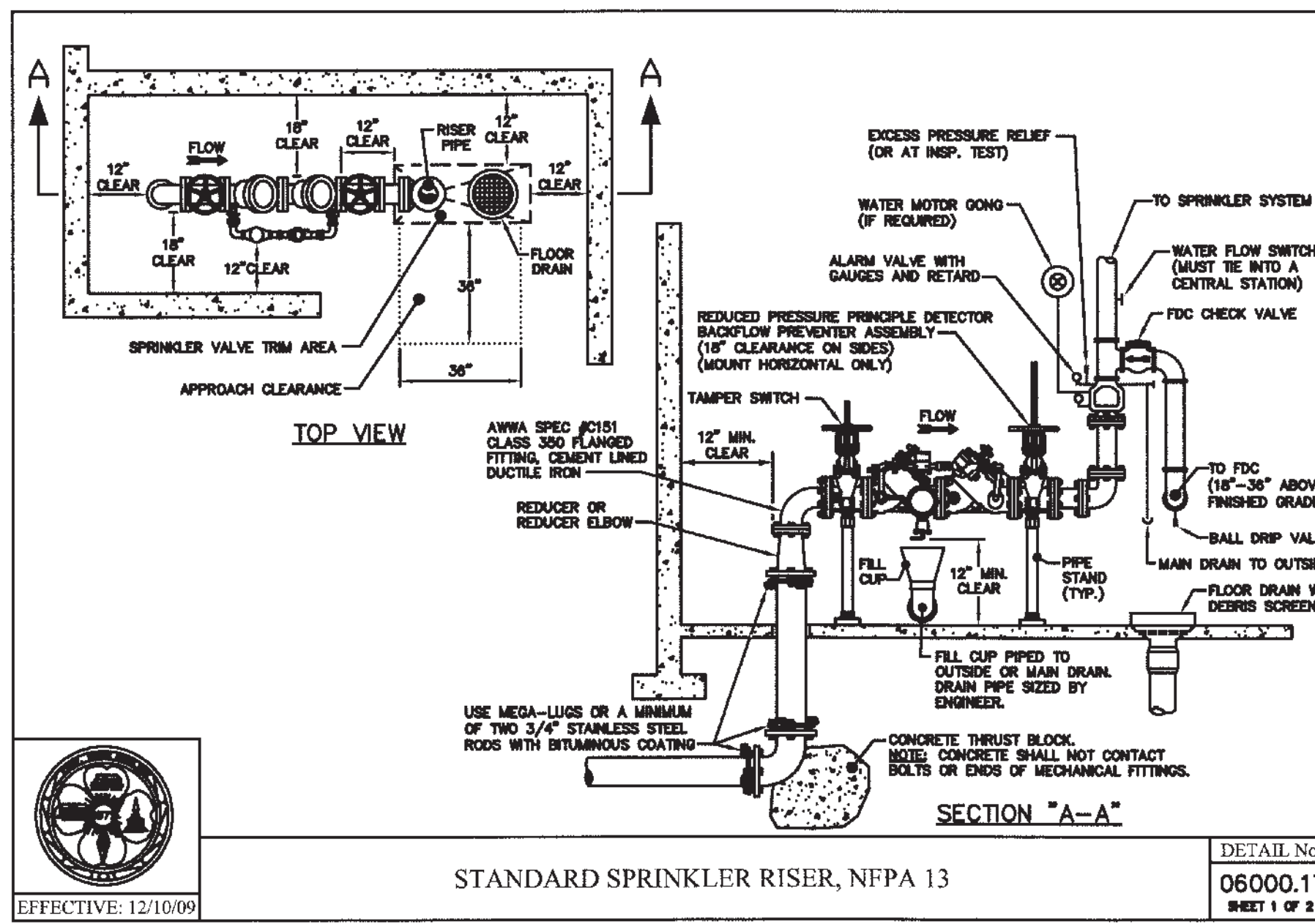
*APPLY: AGRICULTURAL LIMESTONE - 2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS)
FERTILIZER - 1,000 LB/ACRE - 10-10-10
SUPERPHOSPHATE - 500 LB/ACRE - 20% ANALYSIS
MULCH - 2 TONS/ACRE - SMALL GRAIN STRAW
ANCHOR - ASPHALT EMULSION @ 300 GALS/ACRE

FIELD ADJUSTMENT INSTRUCTIONS

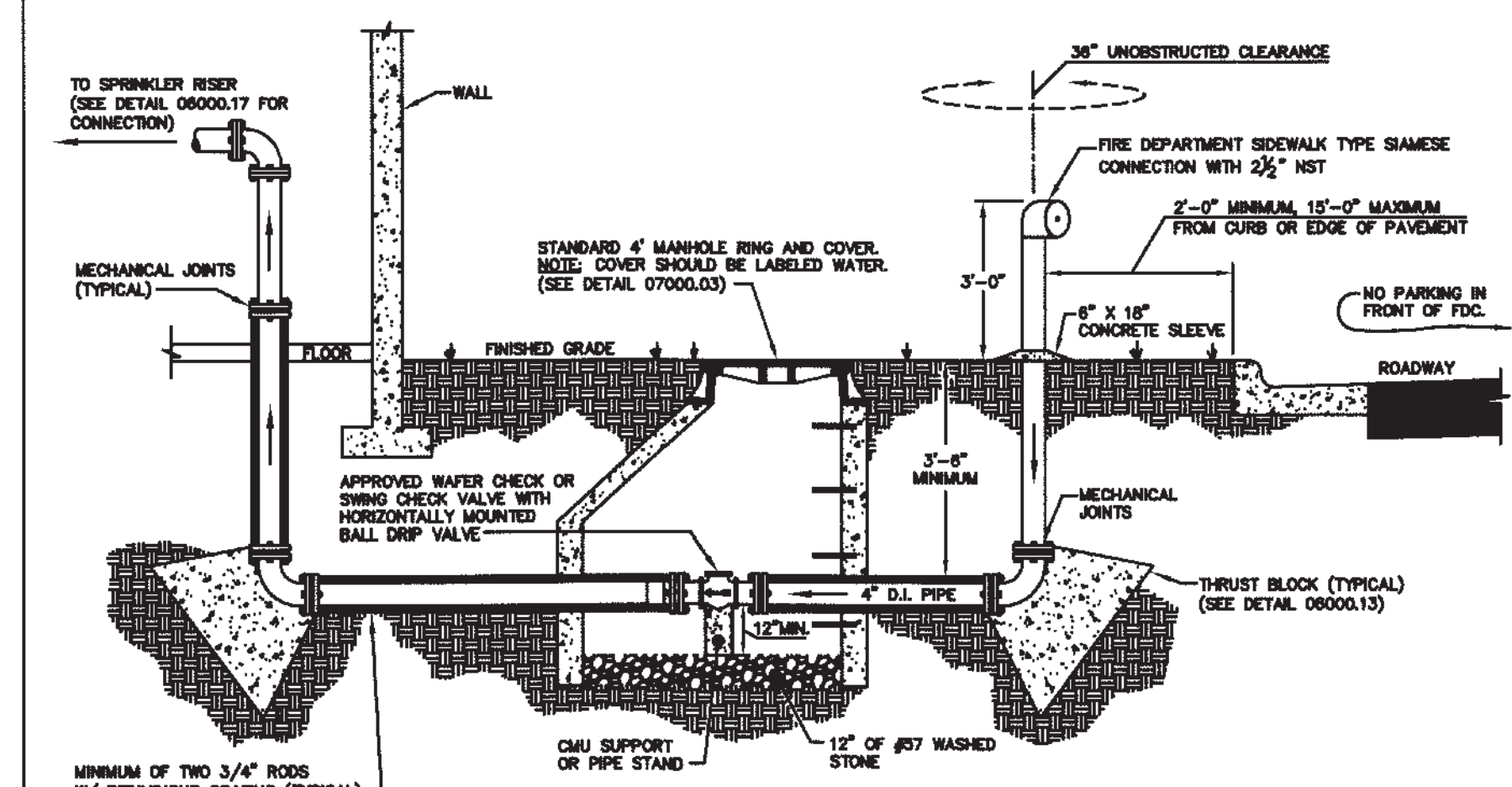
1. REMOVE THE BODY FROM THE TOP OF THE INDICATOR POST ASSEMBLY.
2. CUT THE REQUIRED LENGTH OFF THE BOTTOM OF THE STANDPIPE FOR THE GROUND LINE TO MATCH UP WITH STANDPIPE GROUND LINE MARK.
3. CUT THE 1" SQ. EXTENSION AT A DISTANCE OF 9" ABOVE THE TOP OF THE STANDPIPE.
4. SET THE "OPEN" AND "SHUT" TARGETS FOR THE APPROPRIATE VALVE SIZE.
5. RE-ATTACH THE BODY TO THE TOP OF THE INDICATOR POST ASSEMBLY.
6. ALL POST INDICATOR VALVES SHALL BE INSTALLED WITH AN ELECTRONIC UL LISTED TAMPER SWITCH.
7. THERE SHALL BE 36" OF UNOBSTRUCTED CLEARANCE AROUND THE PERIMETER OF ALL POST INDICATOR VALVES.
8. POST INDICATOR VALVE SHALL BE LOCATED AT A MINIMUM 5'-0" FROM BUILDING.



SCALE: 1" = 1'-0"



SCALE: 1/4" = 1'-0"

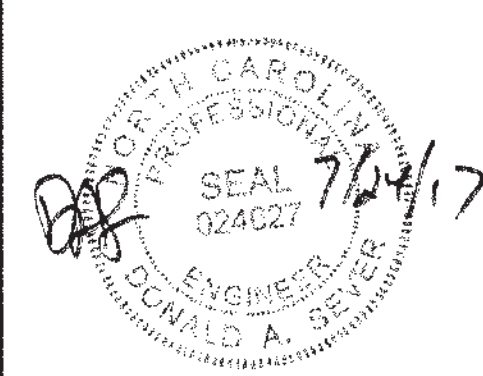


SCALE: 1/4" = 1'-0"



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BUSINESS LIC. # C-496
Phone: (919)469-1101

NO.	DATE	REVISION
1	2/27/17	REVISED PER LOC REVIEW 1/29/16
2	6/27/17	REVISED PER LOC REVIEW 1/27/17
3	6/27/17	REVISED PER LOC REVIEW 1/27/17
4	7/24/17	FINAL SET



CIVIL DETAILS
FOR
WEATHERSTONE SPRINGS PH 2
SITUATED AT
WEATHERIDGE LANE
CARY
WAKE COUNTY, NORTH CAROLINA

JOB # 5500.05
DSN/CHK BY: DS
DWN BY: BH
DATE: 10/27/16
HRZ SCALE: 1"=30'
VRT SCALE: NONE

SHEET NO. **9**

APPROVED by the Town of Cary
Development Review Committee

16-SP-081
17-0443
By: kahales
09/01/2017

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PLANT