

## EROSION CONTROL SEQUENCE OF EVENTS

- RECEIVE NPDES COVERAGE FROM SCDHEC.
- HAVE PRE-CONSTRUCTION MEETING ON SITE.
- NOTIFY SCDHEC REGIONAL OFFICE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- PHASE I: INITIAL EROSION CONTROL (CV1.2)
  - CLEARING AND GRUBBING / DEMOLITION ONLY AS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS (SILT FENCE, CONSTRUCTION ENTRANCE, & INLET PROTECTION (EXISTING))
  - INSTALL CONSTRUCTION ENTRANCE AND PERIMETER CONTROLS.
  - INSTALL REMAINING EROSION CONTROL MEASURES (INLET PROTECTION)
  - BEGIN DEMOLITION / CLEARING AND GRUBBING FOR SOIL STORAGE AREAS ONLY.
- PHASE II A: GRADING (SEE CV3.1)
- PHASE II B: STABILIZATION (SEE CV3.1)
- PERMIT CLOSURE (SEE CV3.1)

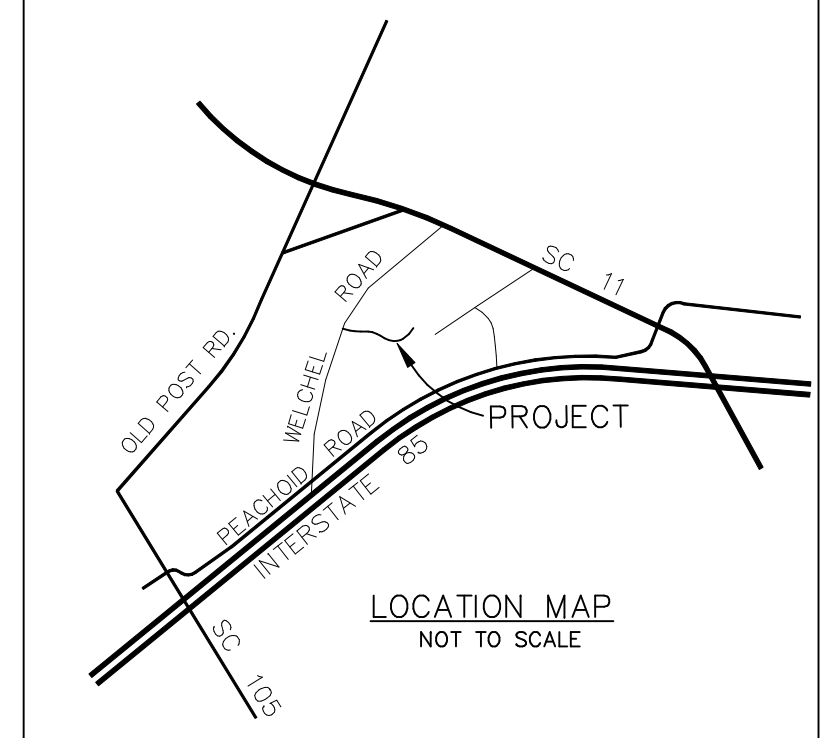
## SITE CONSTRUCTION NOTES

COORDINATE LOCATION OF FOLLOWING ITEMS WITH CEPSCI INSPECTORS AND/OR ENGINEER.

- ALL LITTER, TRASH AND CONSTRUCTION DEBRIS SHALL BE COLLECTED, STORED AND DISPOSED OF IN ACCORDANCE WITH SCDHEC SOLID WASTE REGULATIONS. PROVIDE TEMPORARY 4' TALL HOGWIRE - 10' X10' SQUARE STORAGE AREA.
- PROVIDE TEMPORARY SANITARY FACILITIES SHALL BE LOCATED ON A FLAT SURFACE AWAY FROM DRAINAGE FACILITIES, CATCH BASINS, WATERCOURSES AND TRAFFIC CIRCULATION. UPON DISCOVERY, ANY SPILLED MATERIAL SHALL BE CLEANED UP IMMEDIATELY. ALL COLLECTED MATERIAL, CONTAMINATED RAGS AND ABSORBENT MATERIALS SHALL BE DISPOSED OF APPROPRIATELY. LIME SHALL BE SPREAD ON THE CONTAMINATED AREA.
- CEMENT WASTE AND WASHOUT SHALL NOT BE ALLOWED TO DISCHARGE TO STORM DRAINS, DETENTION PONDS OR WATER COURSES. BE COLLECTED IN A DEPRESSED BERMED AREA AND ALLOWED TO HARDEN. IT SHALL NOT BE ALLOWED TO DISCHARGE TO STORM DRAINS, STORM WATER DETENTION FACILITIES OR WATERCOURSES. PROVIDE 10' DIAMETER - 8" MULCH TUBE TO CONTAIN CONCRETE WASHOUT

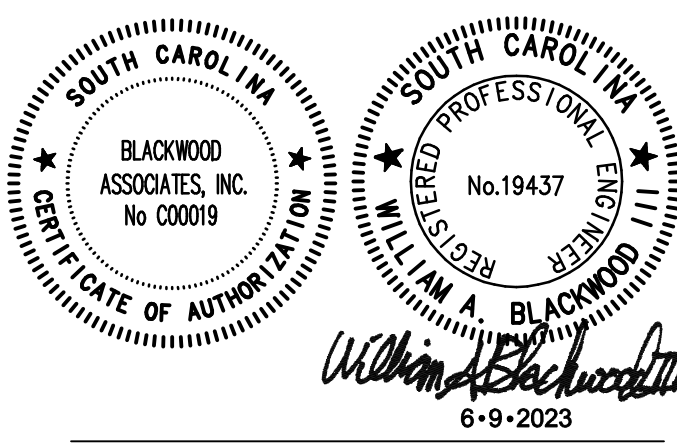
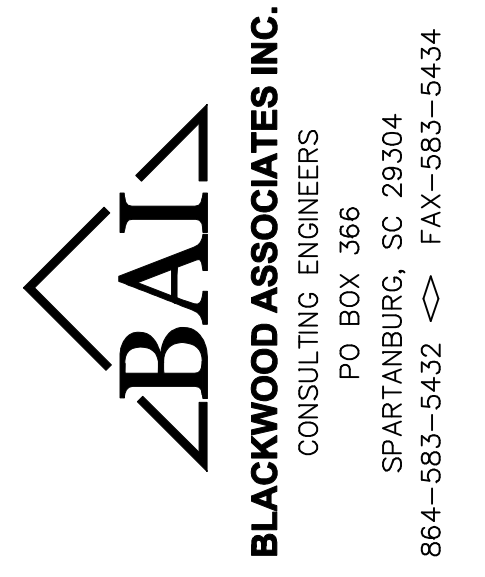
## GENERAL NOTES:

- THESE TRACTS CONTAIN 45.0 ACS.  
PARCEL ID: 080-00-00-063.000  
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- OWNER CONTACT: WINSTON ANDERSON  
SPARTANBURG COMMUNITY COLLEGE  
PO BOX 4386  
SPARTANBURG SC 29305  
PHONE: 864-591-3770
- ENGINEER: BLACKWOOD ASSOCIATES INC.  
PO BOX 366  
SPARTANBURG, S.C. 29304
- SURVEY AND TOPOGRAPHIC INFORMATION PROVIDED BY:  
LAVENDER, SMITH & ASSOCIATES, INC.  
LAND SURVEYORS & MAPPERS  
2900 EAST MAIN STREET  
SPARTANBURG, S.C. 29307

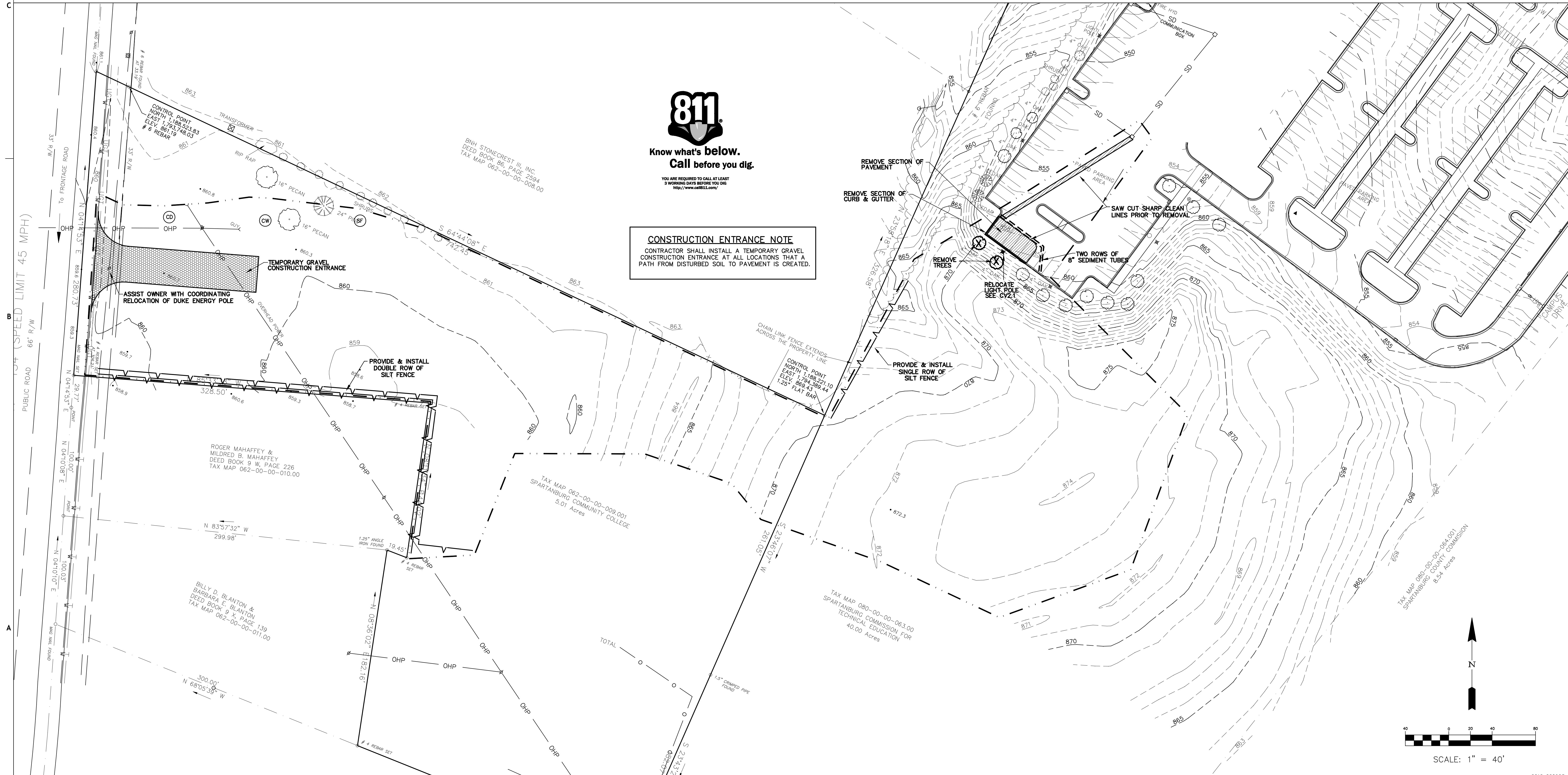


## EROSION CONTROL LEGEND

- SILT FENCE
- INLET PROTECTION
- TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
- LIMITS OF DISTURBANCE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROVIDE CONCRETE WASHOUT
- PROVIDE SANITARY FACILITY
- PROVIDE CONST. DEBRIS ENCLOSURE



**CONSTRUCTION ENTRANCE NOTE**  
CONTRACTOR SHALL INSTALL A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE AT ALL LOCATIONS THAT A PATH FROM DISTURBED SOIL TO PAVEMENT IS CREATED.



SPARTANBURG COMMUNITY COLLEGE  
SCC - CHEROKEE CAMPUS  
WHELCH ROAD ENTRANCEWAY  
PROJECT: H59-N153-MJ

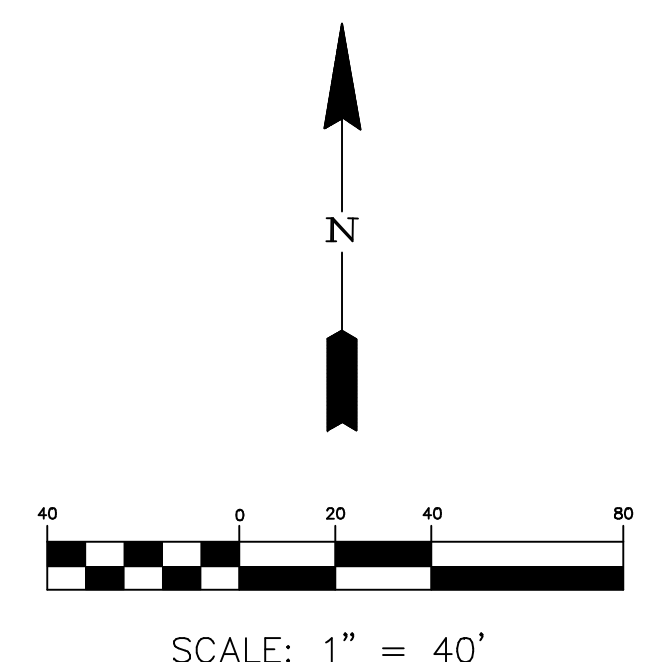
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BID SET 06.09.2023  
PRINCIPAL IN CHARGE: WAB  
PROJECT ENGINEER: WAB  
DRAWN BY: ELO

## SITE PREPARATION PLAN

SHEET NO. PROJ. NO.

CV1.1 2101



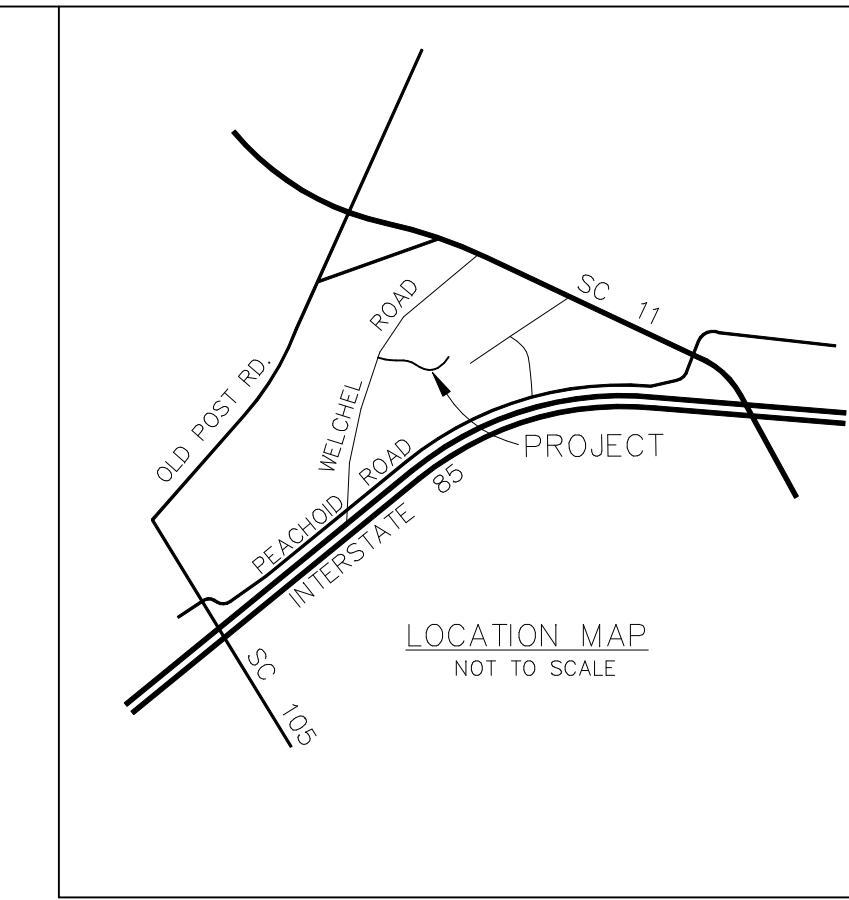


**SPECIFICATIONS & NOTES**

- CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND LINES AND UTILITIES BEFORE EXCAVATION. ADVISE ENGINEER IMMEDIATELY OF ANY VARIATIONS. ALL EXCAVATIONS NEAR THESE LINES SHALL BE WITH CAUTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION WHICH AFFECTS NEW CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE DURING CONSTRUCTION AND/OR RELOCATION AS NECESSARY AT CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY ALL WORK PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. DISCONTINUE WORK IN ALL AFFECTED AREAS UNTIL RESOLVED BY ENGINEER.
- EARTHWORK SHALL BE TO THE LINES AND GRADES SHOWN. THE CONTRACTOR SHALL PROOF-ROLL THE CONSTRUCTION AREA WITH HEAVY-PNEUMATIC EQUIPMENT. ALL SOFT SPOTS SHALL BE UNDERCUT AND RECOMPACTED WITH SUITABLE STRUCTURAL FILL MATERIAL. ALL FILL COMPACTION SHALL BE 95% OF MAXIMUM PER ASTM D-698 (STANDARD PROCTOR). ALL MATERIAL WITHIN 18 INCHES OF PAVEMENT AND BUILDING SUBGRADE SHALL BE COMPACTED TO 98% OF MAXIMUM. FILL MATERIAL SHALL NOT CONTAIN ORGANIC MATERIAL, DEBRIS OR ROCKS. WHERE FILL IS TO BE PLACED, ALL EXISTING VEGETATION, ROOTS AND OTHER ORGANIC MATTER DOWN TO 12 INCHES BELOW EXISTING GRADE SHALL BE STRIPPED AND DISPOSED OF AS DIRECTED. FILL SHALL BE PLACED IN SUCCESSIVE LAYERS OF NOT MORE THAN 8 INCHES LOOSE THICKNESS. EACH LAYER SHALL BE SPREAD EVENLY AND COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED.
- THE CONTRACTOR SHALL REMOVE ALL DEBRIS INCLUDING PAVEMENT, CONCRETE, AND UNSUITABLE MATERIAL FROM THE SITE. ALL AREAS UNDER EXISTING PAVEMENT SHALL BE SCARIFIED BEFORE PLACING STRUCTURAL FILL MATERIAL.
- CATCH BASINS SHALL BE IN ACCORDANCE WITH SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS (2000) AND SCDOT STANDARD DRAWINGS FOR ROAD CONSTRUCTION.
- STORM SEWER SHALL BE LAID ON A MINIMUM TYPE "C" BEDDING FOR DEPTHS UP TO 21". FOR DEPTHS GREATER THAN 21" USE TYPE "B" BEDDING. PLACE BELL OR BED GROOVE END UP GRADE WITH THE SPIGOT OR TONGUE FULLY INSERTED. EACH JOINT SHALL BE CHECKED FOR ALIGNMENT AND GRADE AS THE WORK PROCEEDS. APPROVED BACKFILL MATERIAL SHALL BE PLACED CAREFULLY ALONG THE PIPE AND COMPACTED UNDER HAUNCHES. MATERIAL SHALL BE BROUGHT UP EVENLY IN LAYERS ON BOTH SIDES OF THE PIPE AND TO ONE FOOT ABOVE THE TOP OF THE PIPE. MATERIAL SHALL BE PLACED IN A MANNER SO AS NOT TO DISPLACE OR DAMAGE THE INSTALLED PIPE. BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS AS SPECIFIED.
- REINFORCED CONCRETE PIPE (RCP) SHALL BE:  
CLASS III - DEPTHS 0'-14" TYPE "C" BEDDING.  
CLASS IV - DEPTHS 14.1'-21" TYPE "C" BEDDING.  
CLASS IV - DEPTHS 21.1'-27" TYPE "B" BEDDING.  
CLASS V - DEPTHS 27.1'-41" TYPE "B" BEDDING.  
ALL RCP SHALL HAVE BUTYL RUBBER GASKET SEALANT UNLESS OTHERWISE SPECIFIED. JOINTS AND FITTINGS / ACCESSORIES SHALL BE COMPATIBLE WITH PIPE. SEE BEDDING DETAILS.
- ASPHALT PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS AND THE SOUTH CAROLINA D.O.T. STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.
- CONCRETE SHALL BE 4,000 PSI CONCRETE MINIMUM STEEL REINFORCEMENT SHALL BE ASTM A615, GRADE 60.

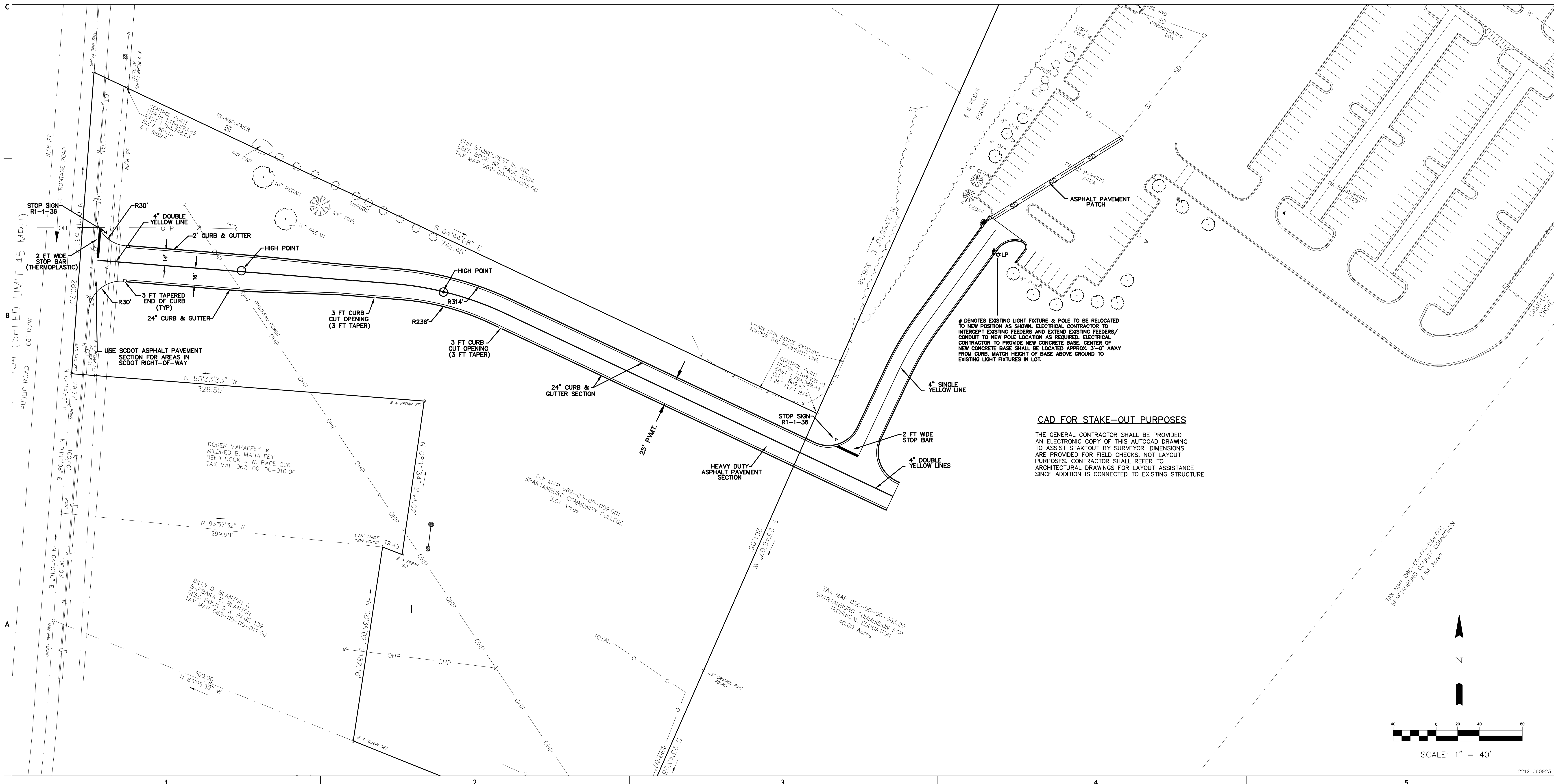
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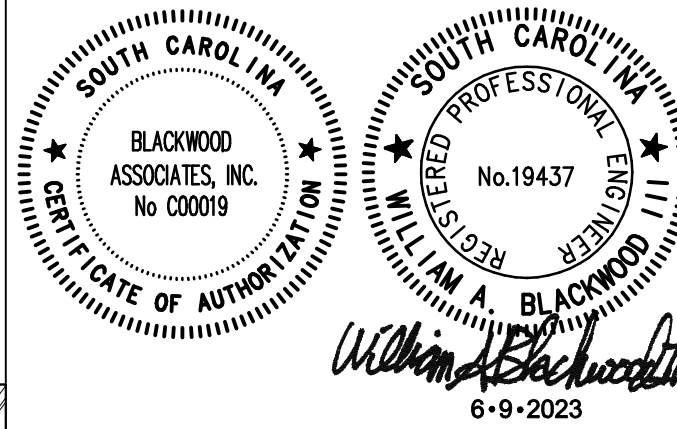


**SITE PLAN NOTES**

- CONTRACTOR SHALL IDENTIFY THE LOCATION AND ELEVATIONS OF ALL UTILITIES ON SITE BEFORE CONSTRUCTION.
- ANY DISCREPANCIES FROM THE DRAWINGS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- ALL DIMENSIONS ARE TO THE FACE OF CURB, FACE OF THE BUILDING, OR THE EDGE OF PAVEMENT.
- REFER TO EROSION CONTROL, GRADING, GRASSING, AND UTILITY NOTES FOR ADDITIONAL INFORMATION.
- FOLLOW ALL S.C.D.O.T., AND OSHA GUIDELINES AND REGULATIONS WHEN CONSTRUCTING UTILITY AND DRAINAGE TIES IN HIGHWAY.



**BLACKWOOD ASSOCIATES INC.**  
CONSULTING ENGINEERS  
PO BOX 366  
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864-983-5432



SPARTANBURG COMMUNITY COLLEGE  
SCC - CHEROKEE CAMPUS  
WHELCHER ROAD ENTRANCEWAY  
PROJECT: H59-N153-MJ

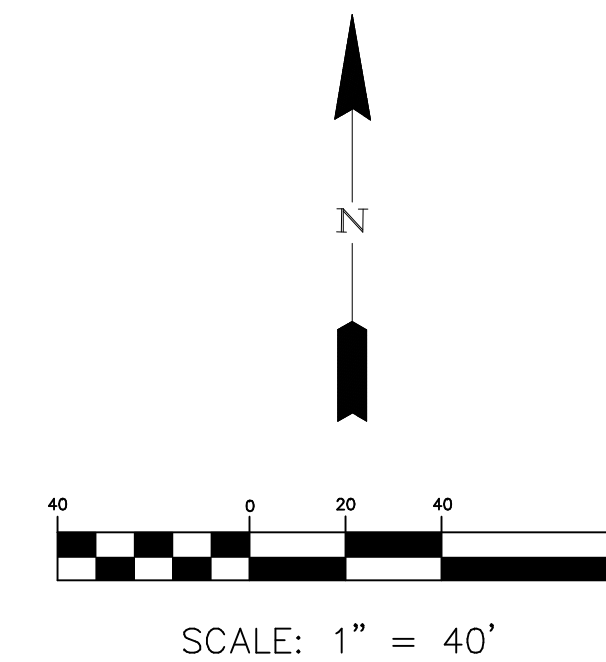
GAFFNEY, SOUTH CAROLINA

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SHEET TITLE:  
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SHEET NO. PROJ. NO.

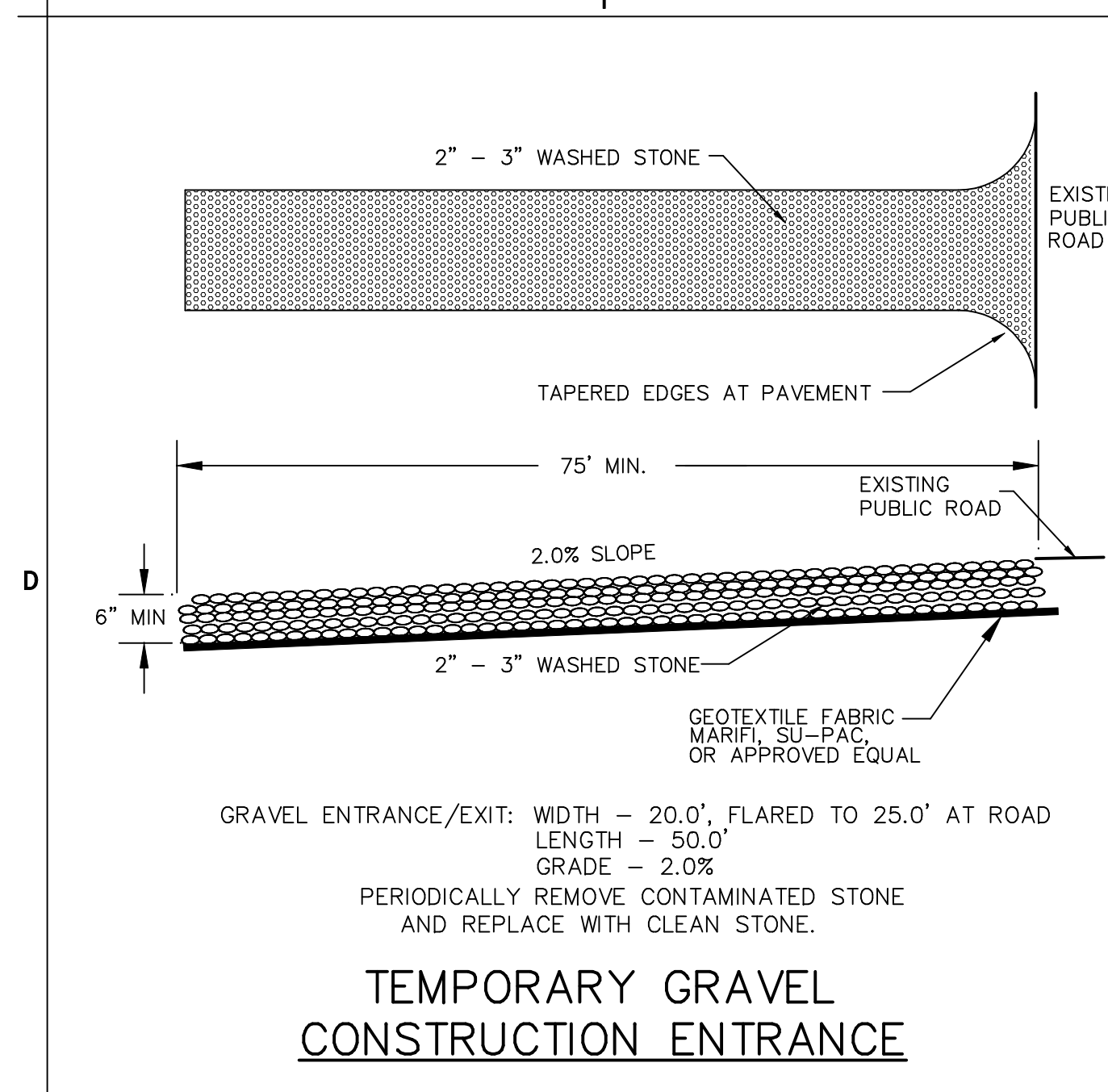
CV2.1 2101



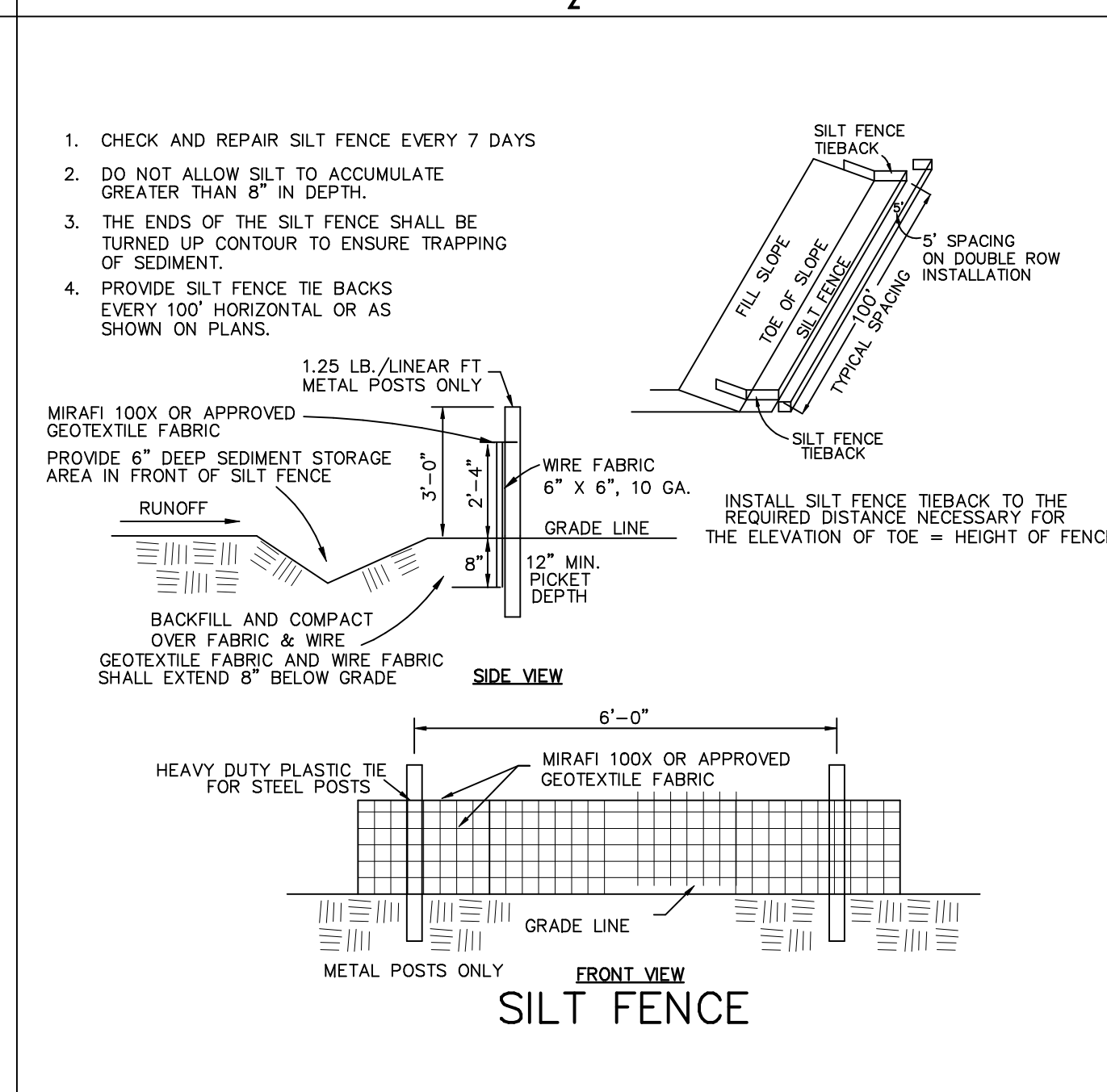




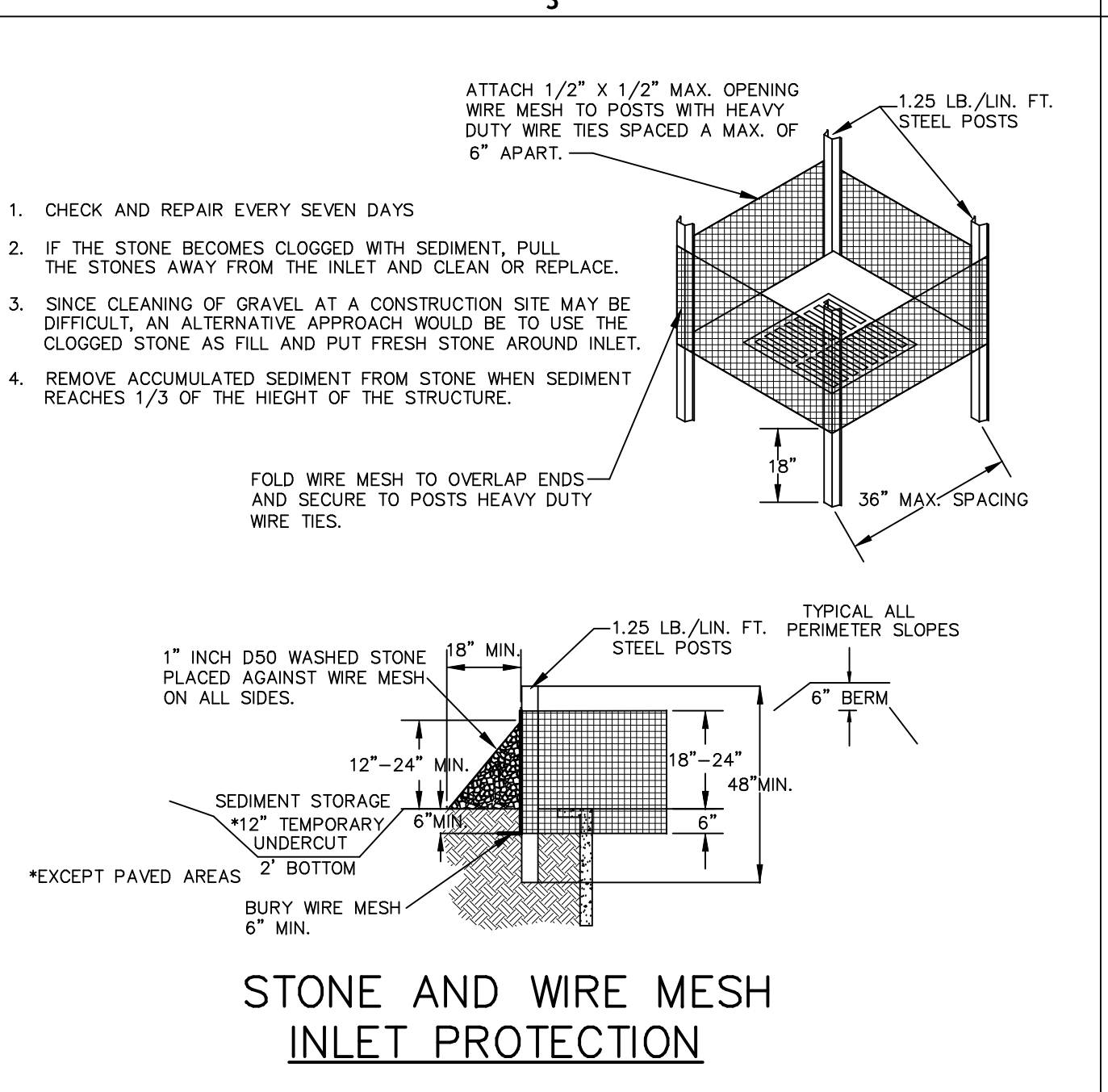




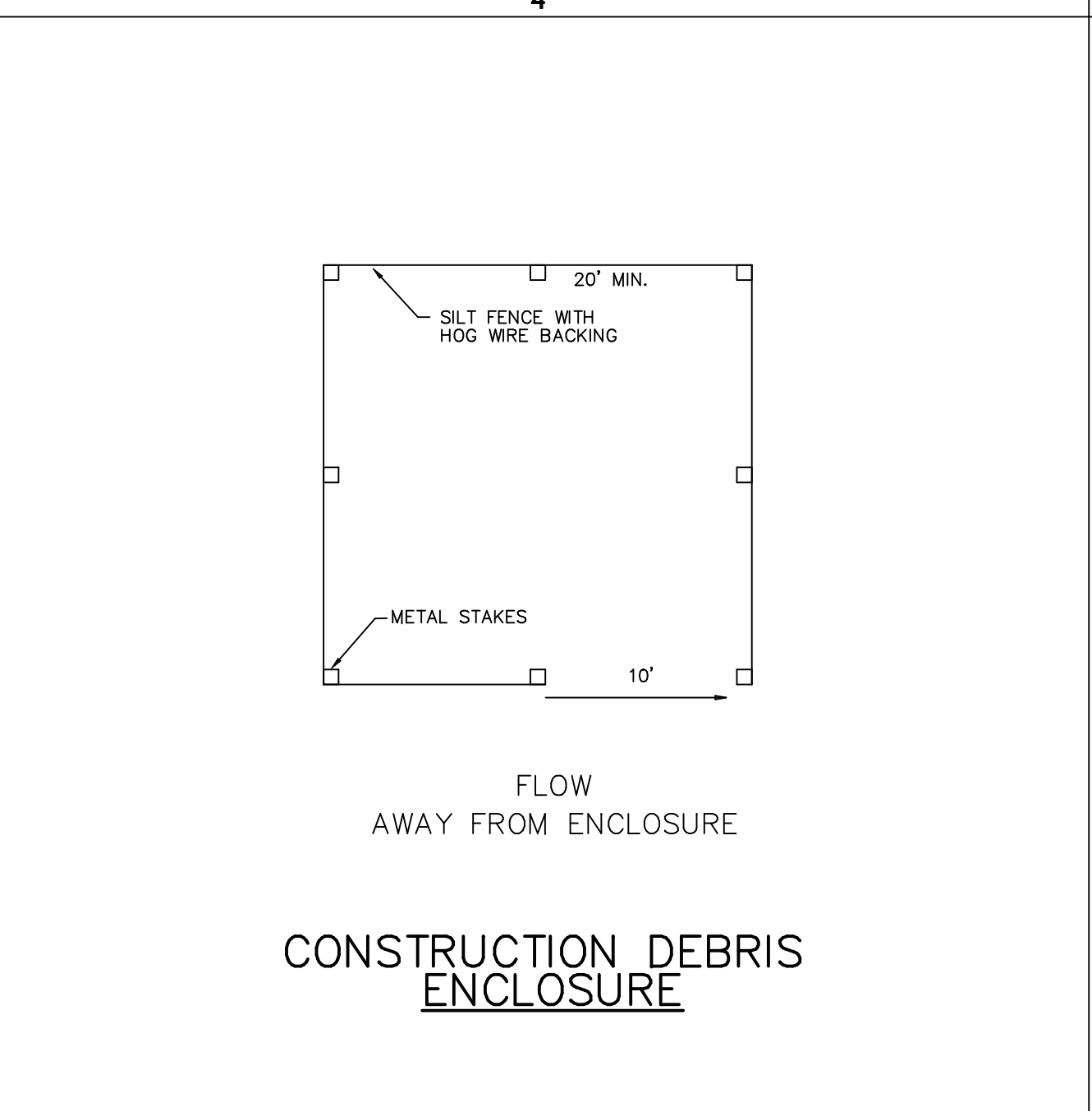
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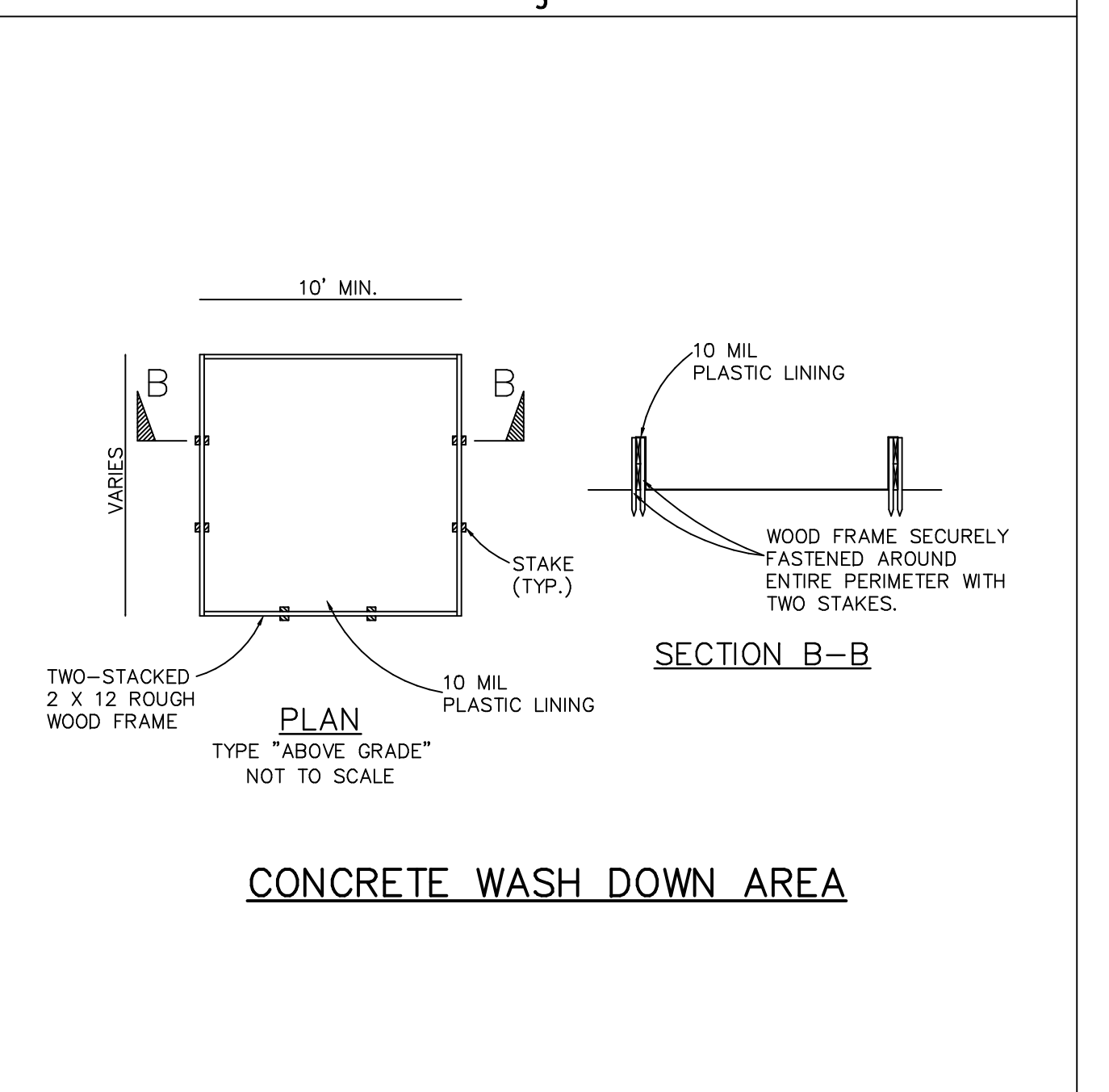
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DETAIL 4.1C NOT TO SCALE



DETAIL 4.1D NOT TO SCALE

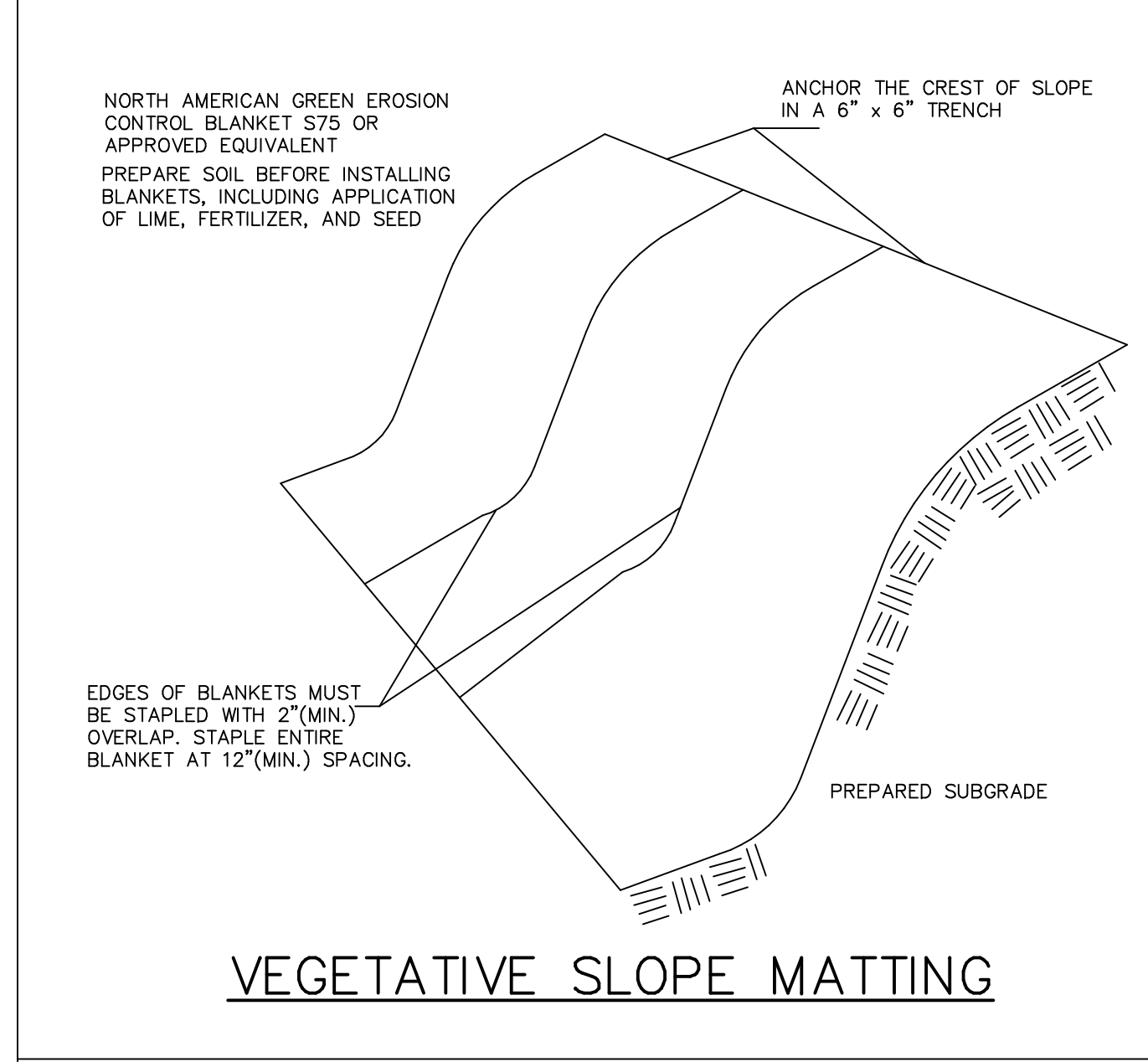


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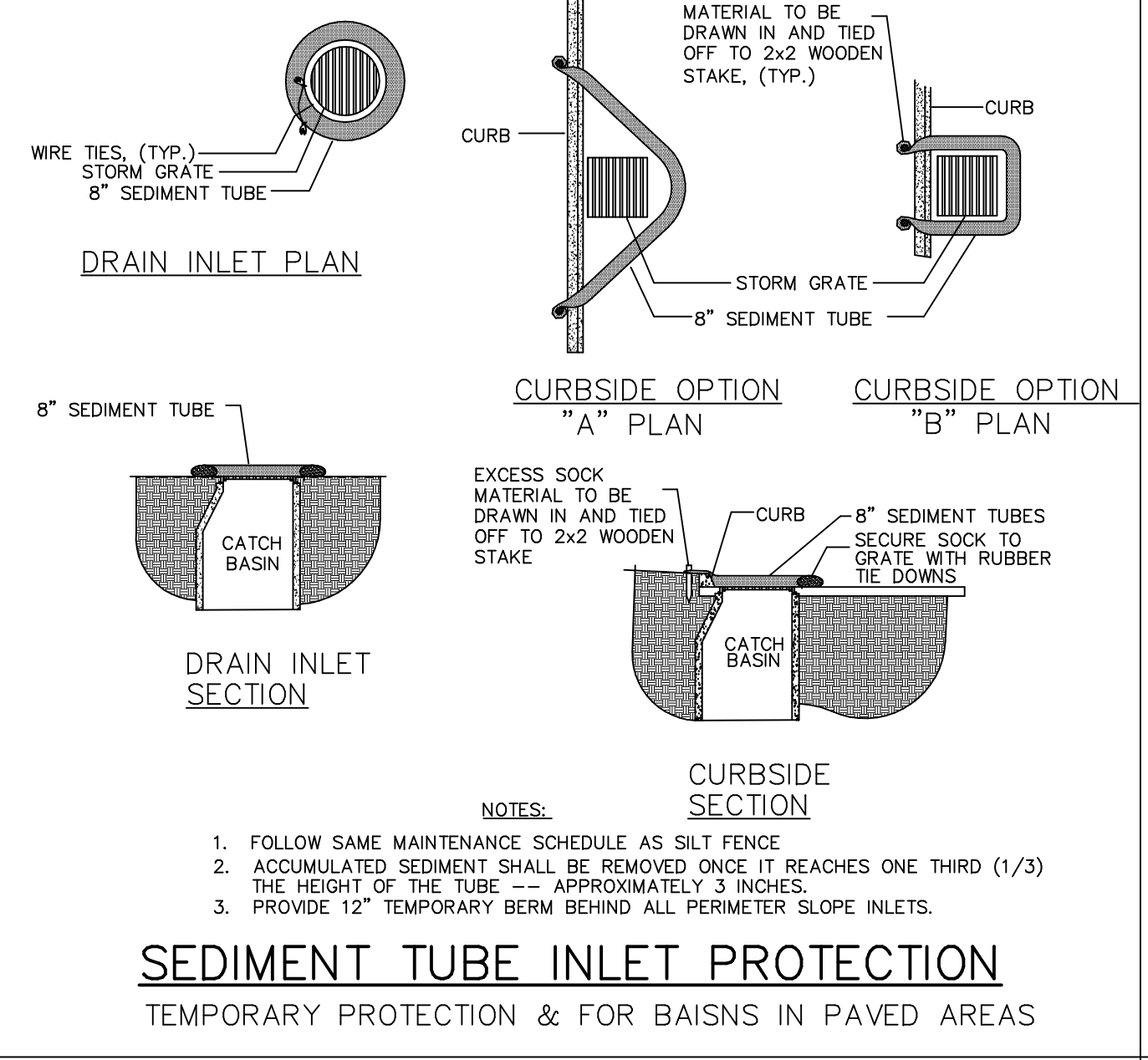
**GRASS NOTES:**

- ON ANY PORTION OF THE SITE WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED, ALL DISTURBED AREAS SHALL BE STABILIZED WITH GRASS AS SOON AS PRACTICAL, BUT NOT EXCEEDING FOURTEEN (14) DAYS AFTER WORK HAS CEASED. TEMPORARY GRASS SHALL BE APPLIED IN AREAS WHERE FUTURE CONSTRUCTION WILL RE-DISTURB THIS AREA, OTHERWISE, PERMANENT GRASS SHALL BE APPLIED.
- IN ANY AREA IN WHICH TEMPORARY GRASS HAS BEEN APPLIED, THE GRASS SHALL BE MOWED AND THE SEED BED RE-SCARIFIED BEFORE PERMANENT GRASS APPLICATION.
- BEFORE PERMANENT GRASS SEEDING IS PERFORMED, THE ENGINEER/OWNER SHALL BE NOTIFIED FOR AN ON SITE INSPECTION OF THE PREPARED SEED BED AND FOR AN INSPECTION OF THE QUANTITIES OF MATERIAL TO BE APPLIED. CALL (864) 585-5432 TO SCHEDULE AN INSPECTION.
- THE CONTRACTOR SHALL PROVIDE A CERTIFIED LETTER INDICATING THE QUANTITIES OF MATERIAL APPLIED PER ACRE.
- BEFORE ACCEPTANCE OF THE SEEDING PERFORMED FOR THE ESTABLISHMENT OF PERMANENT VEGETATION, THE CONTRACTOR WILL BE REQUIRED TO PRODUCE A UNIFORM VEGETATIVE COVER WITH A DENSITY OF % OF THE SEEDED AREA.
- GRASSING SHALL BE PROVIDED FOR ALL DISTURBED AREAS WITH THE FOLLOWING CRITERIA:
  - LIME SHALL BE AGRICULTURAL GRADE GROUND LIMESTONE CONTAINING LEAST 34% MAGNESIUM CARBONATE.
  - SEED SHALL BE A MINIMUM 90% PURITY AND 80% GERMINATION.
  - AREAS TO HAVE GRASS APPLIED SHALL BE SCARIFIED CULTIVATED TO A DEPTH OF 3 INCHES, WITH ALL CLODS OR CLUMPS GREATER THAN 3" BROKEN UP AND FOREIGN MATERIAL INCLUDING ROCK, ROOTS, AND MISC. DEBRIS REMOVED.
  - FERTILIZER AND LIME SHALL BE THOROUGHLY WORKED INTO THE SOIL, AND THE SURFACE RAKED SMOOTH BEFORE APPLYING SEED.
  - SEED SHALL BE APPLIED EVENLY AT THE MINIMUM RATE AND RAKED IN LIGHTLY WITH APPROXIMATELY 1/4" TOPSOIL COVER. SEEDED AREAS SHALL BE DRESSED SMOOTH, THEN MULCH (STRAW) SHALL BE APPLIED MECHANICALLY.
  - AREAS SHALL BE SPRAYED IMMEDIATELY WITH AN EMULSION TO BIND SEED AND MULCH.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL MAINTENANCE NECESSARY TO KEEP SEEDED AREAS IN SATISFACTORY CONDITION UNTIL THE WORK IS ACCEPTED. THIS INCLUDES MOWING, IRRIGATING, REPAIRING OF EROSION WASHES, AND ADDITIONAL SEED, FERTILIZER AND MULCH APPLIED TO AREAS WHERE A SATISFACTORY STAND OF GRASS HAS NOT BEEN ACHIEVED. ALL COSTS INCLUDING IRRIGATING AND MOWING TO BE INCLUDED IN BASE BID PRICE.
- PAYMENT TO THE CONTRACTOR SHALL NOT EXCEED 75% OF THE CONTRACT PRICE FOR GRASS UNTIL A SATISFACTORY STAND OF PERMANENT GRASS HAS BEEN OBTAINED.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING A STAND OF GRASS WITH A ROOT SYSTEM THAT HAS DEVELOPED SUFFICIENTLY TO SURVIVE DRY PERIODS AND WINTER WEATHER AND BE CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE CONTRACTOR SHALL MAINTAIN ALL GRASS FOR A PERIOD OF 1 YEAR BEGINNING FROM THE DATE OF ACCEPTANCE BY THE OWNER/ENGINEER.
- ALL COSTS FOR PROVIDING AN ACCEPTABLE STAND OF GRASS (PERMANENT & TEMPORARY SEEDINGS) SHALL BE INCLUDED IN BASE BID. NO ADDITIONAL CHARGES WILL BE HONORED FOR REPAIRS DUE TO WEATHER OR OTHER REASONS. THE CONTRACTOR SHALL ACCEPT RESPONSIBILITY AND COSTS FOR PROVIDING AN ACCEPTABLE STAND OF GRASS.

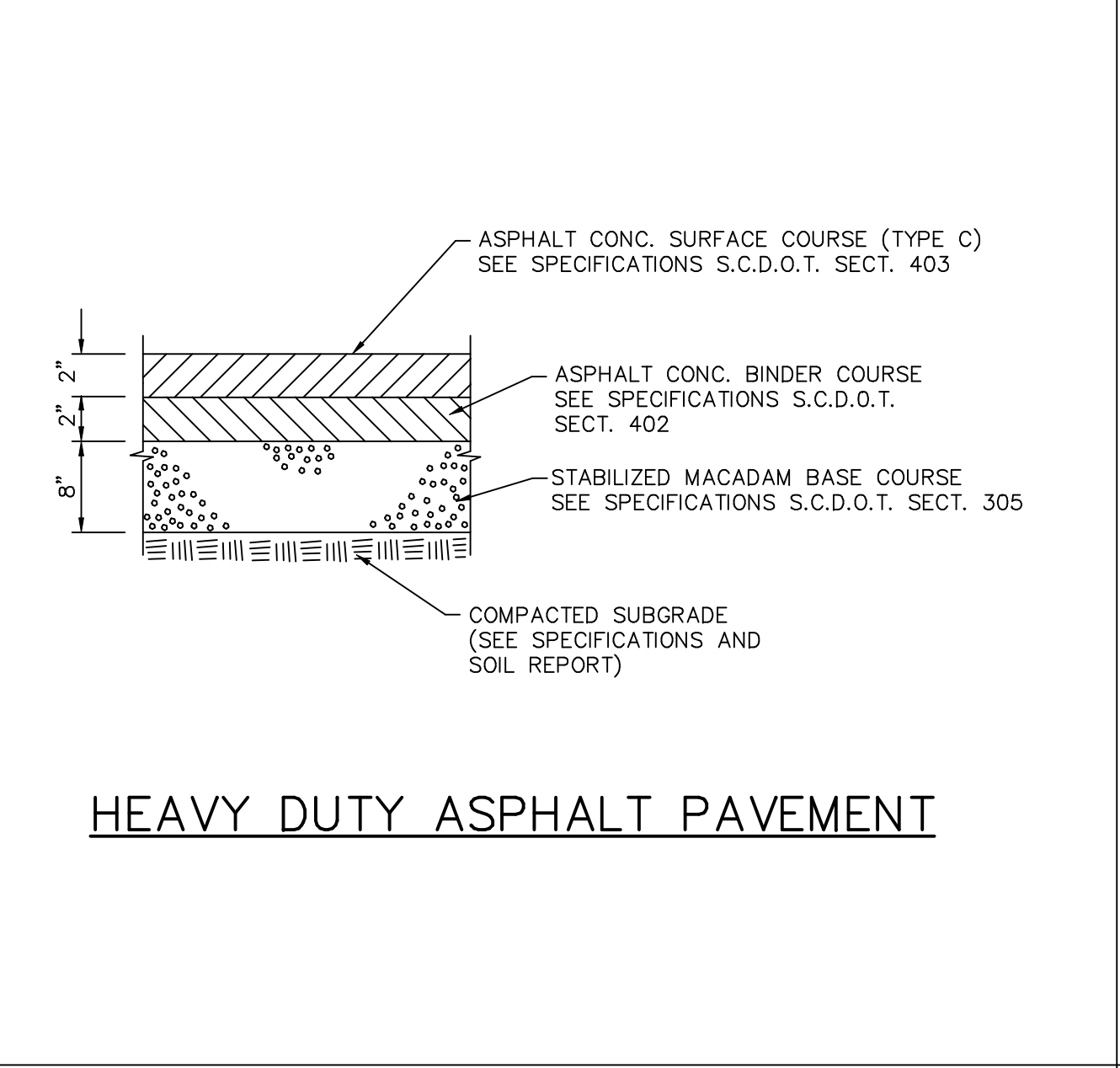
PERMANENT GRASS	
MAY 1 - AUGUST 31	
BERMUDA (WITHOUT HULLS)	75 LB/ACRE
BROWN TOP MILLET	10 LB/ACRE
FESCUE	25 LB/ACRE
FERTILIZER 10-10-10	1000 LB/ACRE (EARTH FRIENDLY - SLOW NITROGEN RELEASE)
AGRICULTURAL LIMESTONE	3000 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE
SEPTEMBER 1 - APRIL 30	
FESCUE	150 LB/ACRE
BERMUDA (WITH HULLS)	50 LB/ACRE
RYE GRAIN	25 LB/ACRE
FERTILIZER 10-10-10	1000 LB/ACRE (EARTH FRIENDLY - SLOW NITROGEN RELEASE)
AGRICULTURAL LIMESTONE	3000 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE
SLOPES (2.5:1 AND STEEPER)	
WEeping LOVEGRASS	25 LB/ACRE
FERTILIZER 10-10-10	1000 LB/ACRE (EARTH FRIENDLY - SLOW NITROGEN RELEASE)
AGRICULTURAL LIMESTONE	3000 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE
TEMPORARY GRASS	
JAN 1 - MAY 1	
RYE (GRAIN)	110 LB/ACRE
ANNUAL LESPEDEZA	30 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE
AGRICULTURAL LIMESTONE	2000 LB/ACRE
FERTILIZER 10-10-10	500 LB/ACRE (EARTH FRIENDLY - SLOW NITROGEN RELEASE)
MAY 1 - AUG 15	
GERMAN MILLET	50 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE
AGRICULTURAL LIMESTONE	2000 LB/ACRE
FERTILIZER 10-10-10	500 LB/ACRE (EARTH FRIENDLY - SLOW NITROGEN RELEASE)
AUG 15 - DEC 30	
RYE (GRAIN)	110 LB/ACRE
MULCH (STRAW)	4000 LB/ACRE
AGRICULTURAL LIMESTONE	3000 LB/ACRE
FERTILIZER 10-10-10	500 LB/ACRE (EARTH FRIENDLY - SLOW NITROGEN RELEASE)



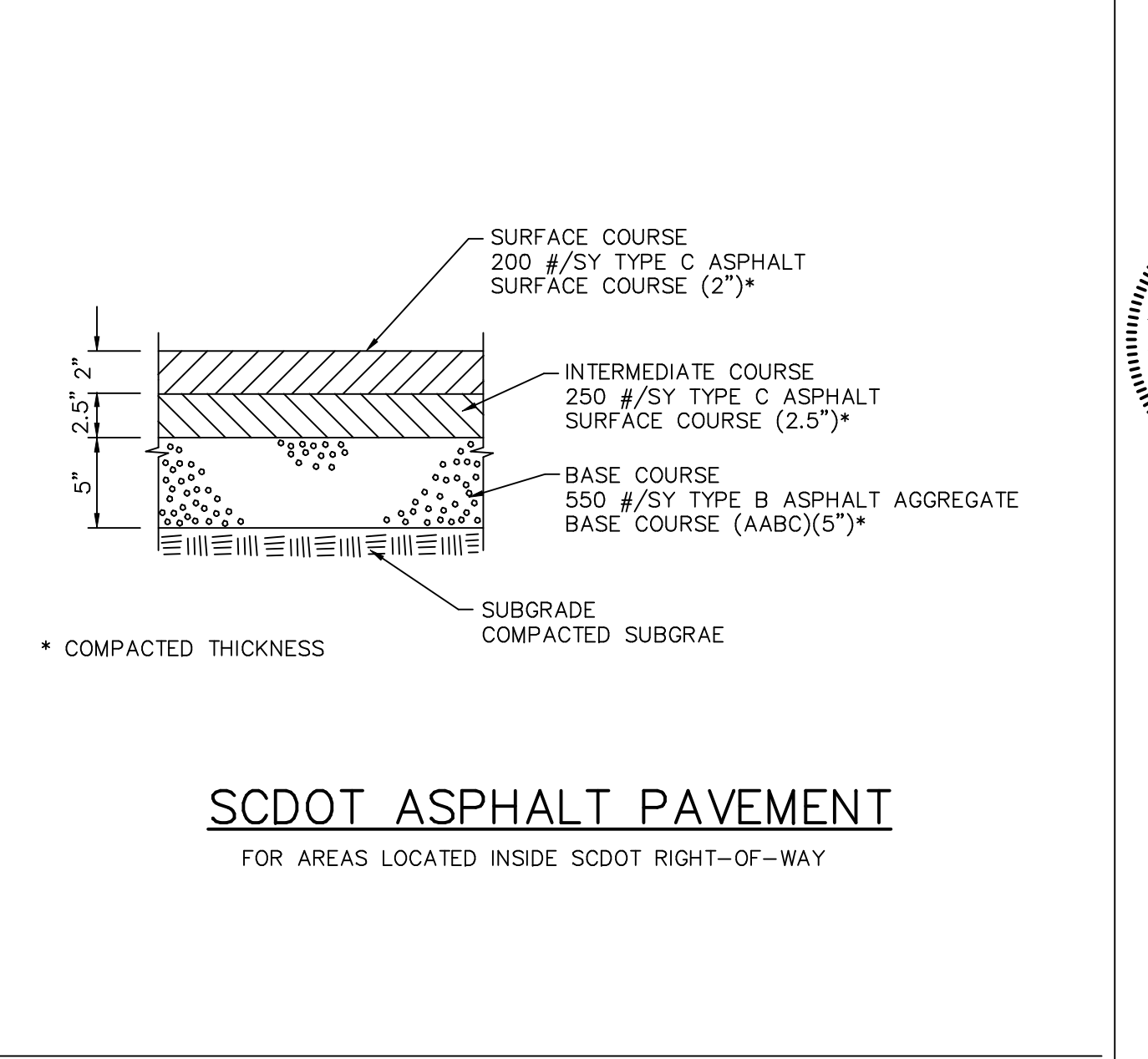
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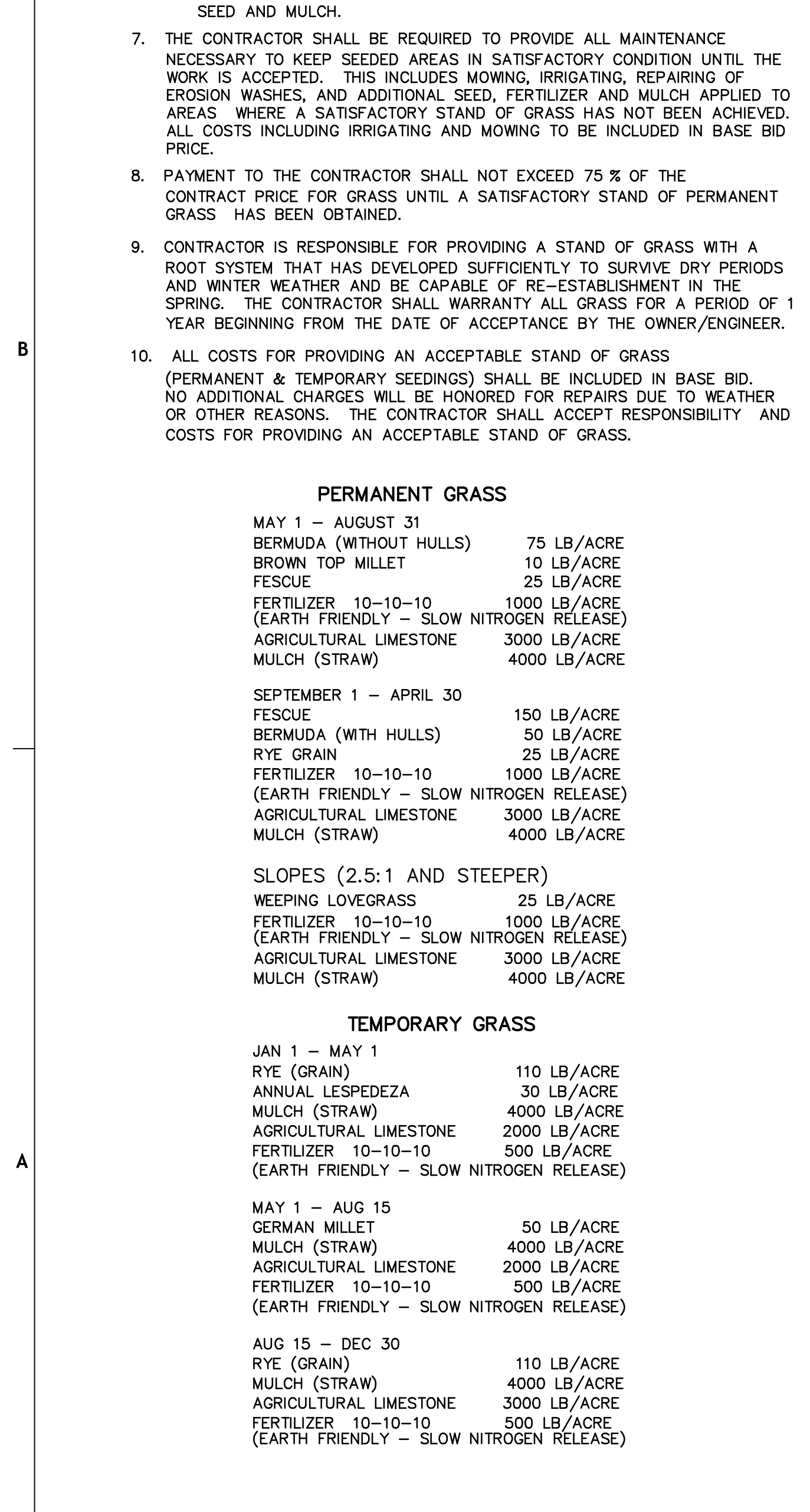
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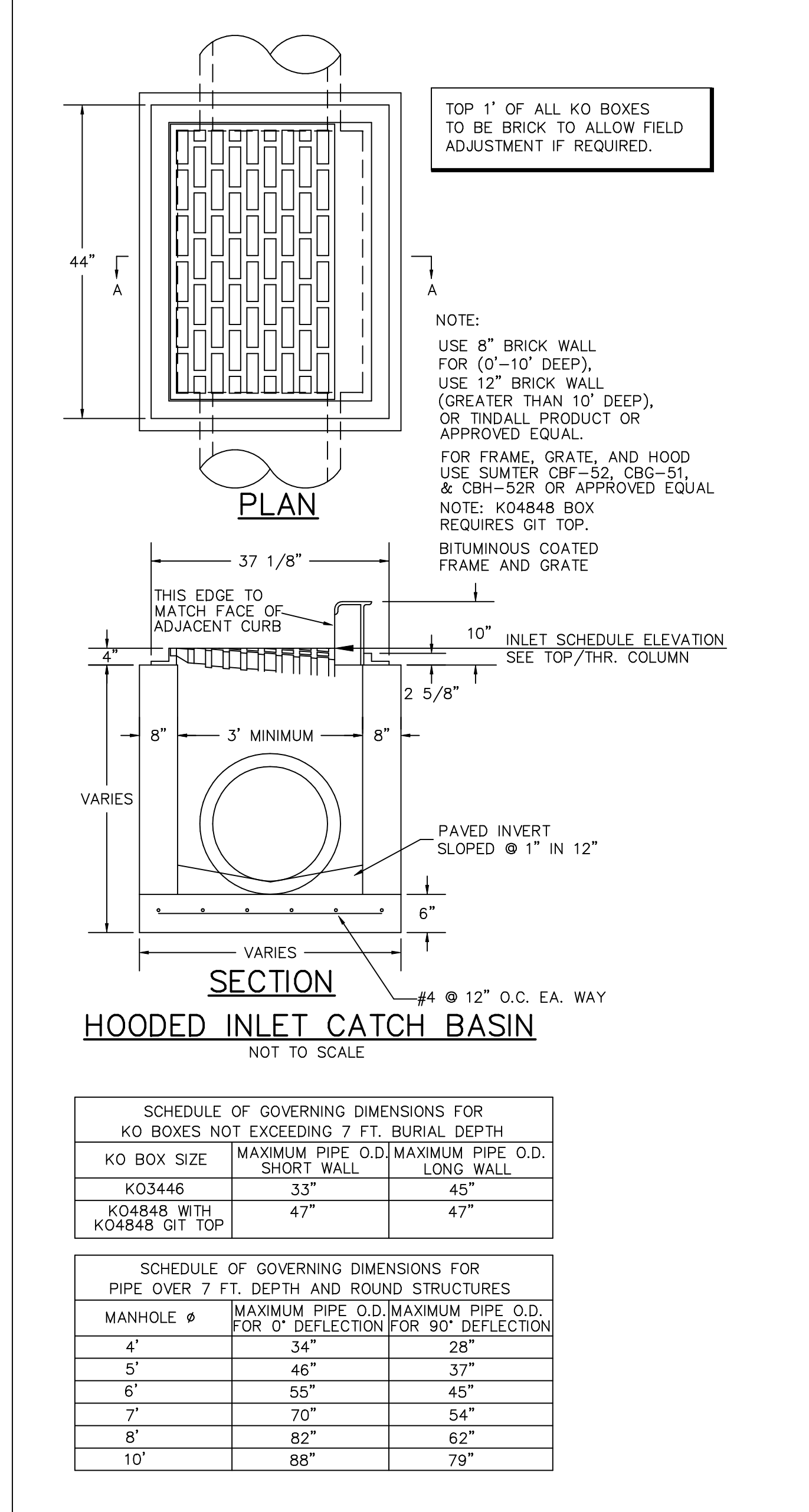
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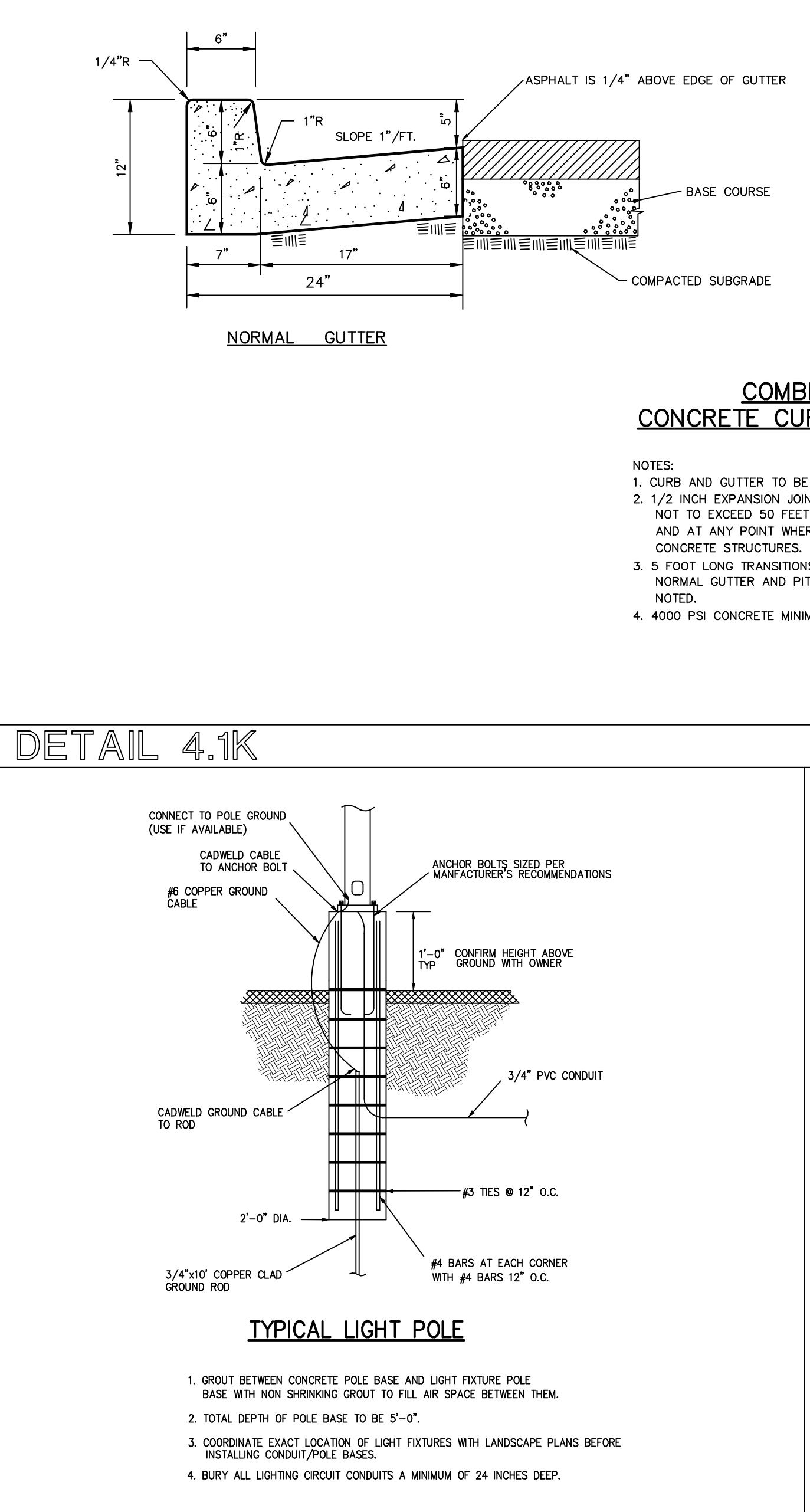
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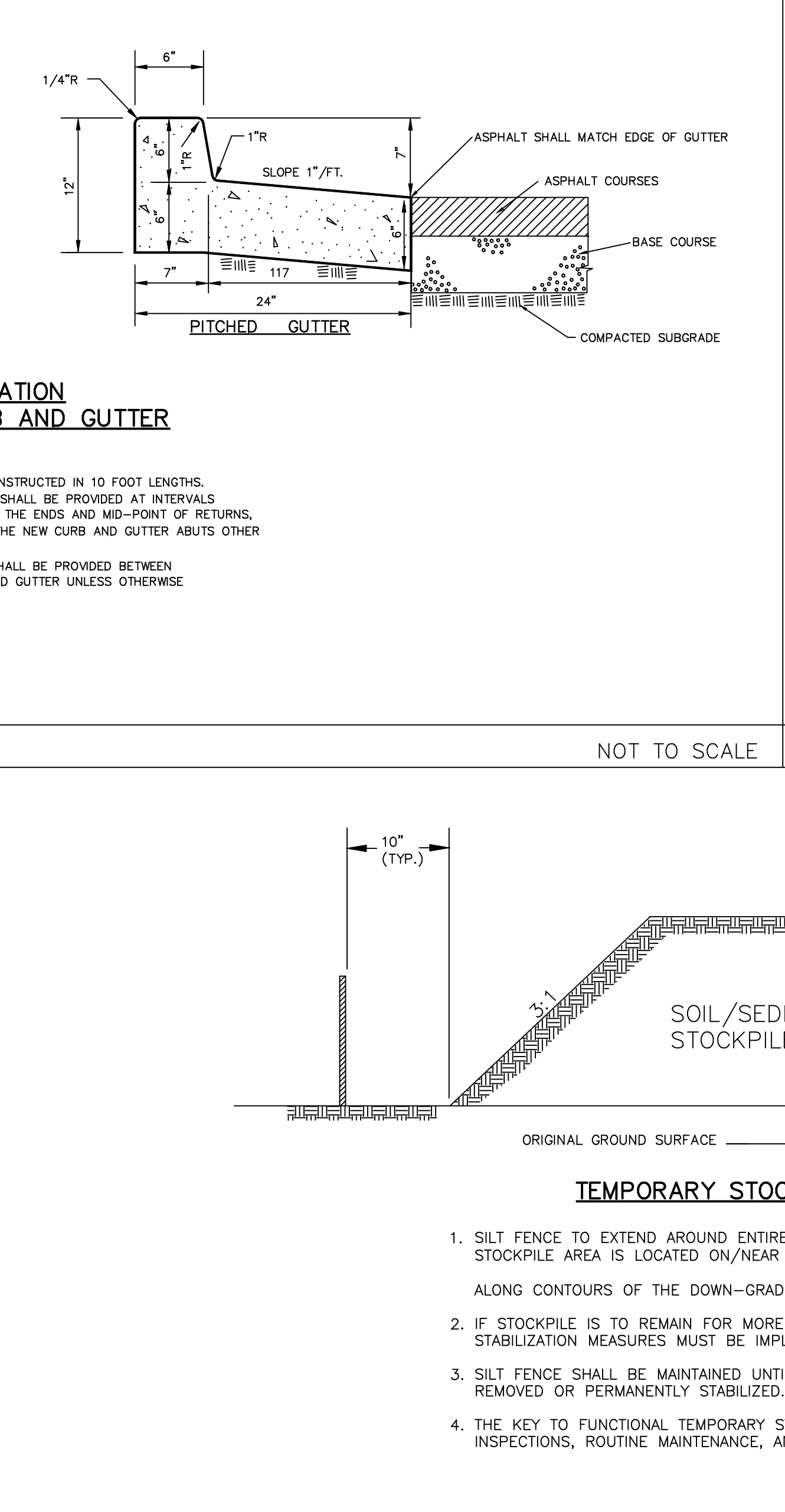
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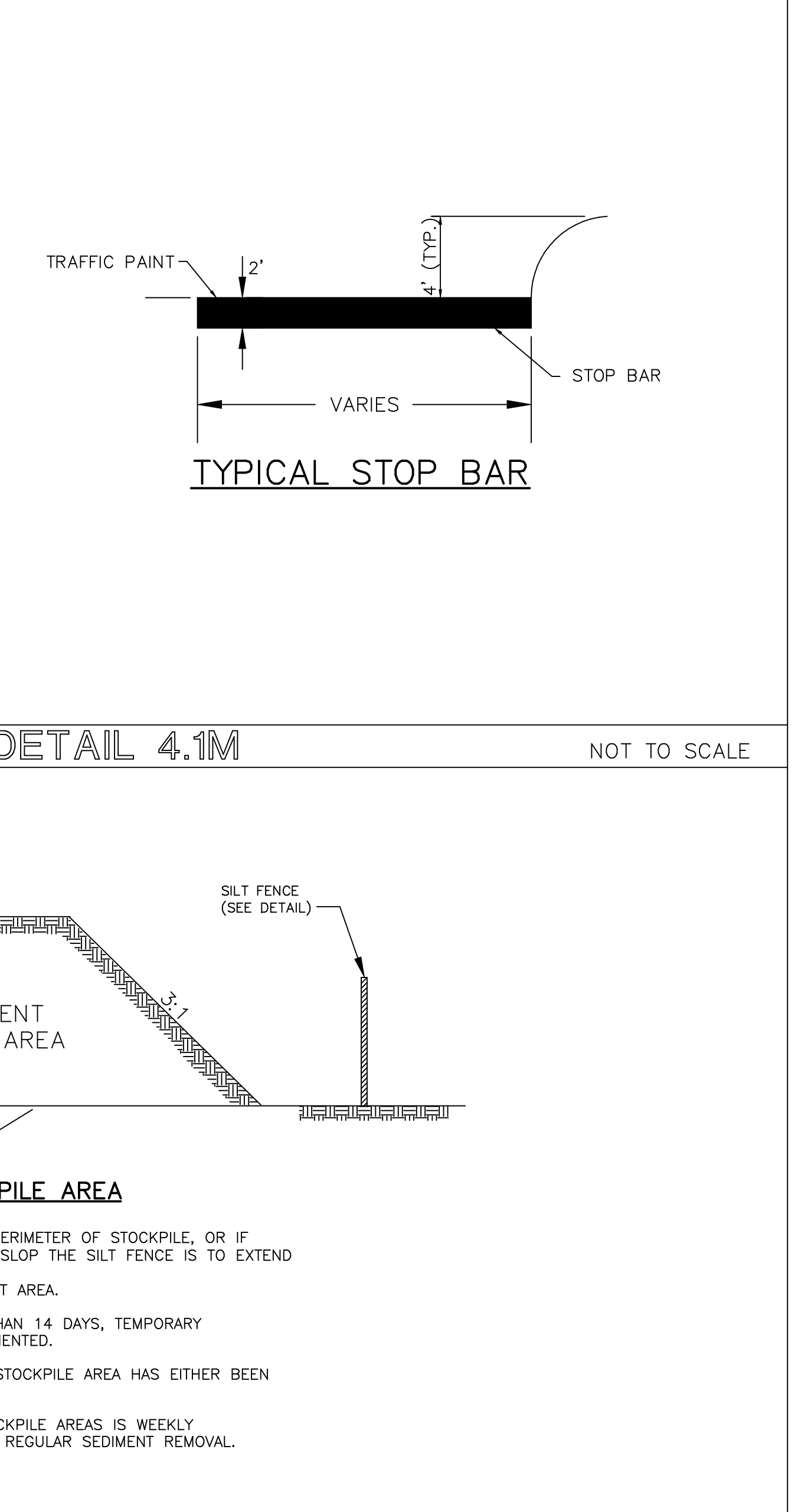
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DETAIL 4.1N NOT TO SCALE



DETAIL 4.1O NOT TO SCALE

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**SITE DETAILS**

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