

EROSION CONTROL SEQUENCE OF EVENTS

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

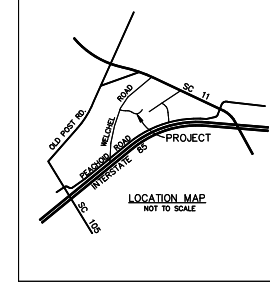
SITE CONSTRUCTION NOTES

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

1. 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.
2. 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.
3. 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.

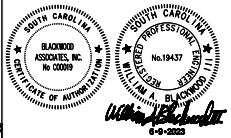
GENERAL NOTES:

1. THESE TRACTS CONTAIN 45.0 ACS.
PARCEL ID: 080-00-00-063.000
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2. OWNER CONTACT: WINSTON ANDERSON
SPARTANBURG COMMUNITY COLLEGE
PO BOX 4386
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PHONE: 864-591-3770
3. ENGINEER: BLACKWOOD ASSOCIATES INC.
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4. SURVEY AND TOPOGRAPHIC INFORMATION PROVIDED BY:
LAVENDER, SMITH & ASSOCIATES, INC.
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2900 EAST MAIN STREET
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EROSION CONTROL LEGEND

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



SPARTANBURG COMMUNITY COLLEGE
 SCC - CHEROKEE CAMPUS
 WHELCHER ROAD ENTRANCEWAY
 PROJECT: H59-N153-MJ
 GAFFNEY, SOUTH CAROLINA

NO.	DATE	DESCRIPTION	BY
A	04.26.22	PERMIT SET	WAB
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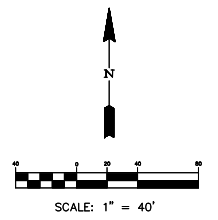
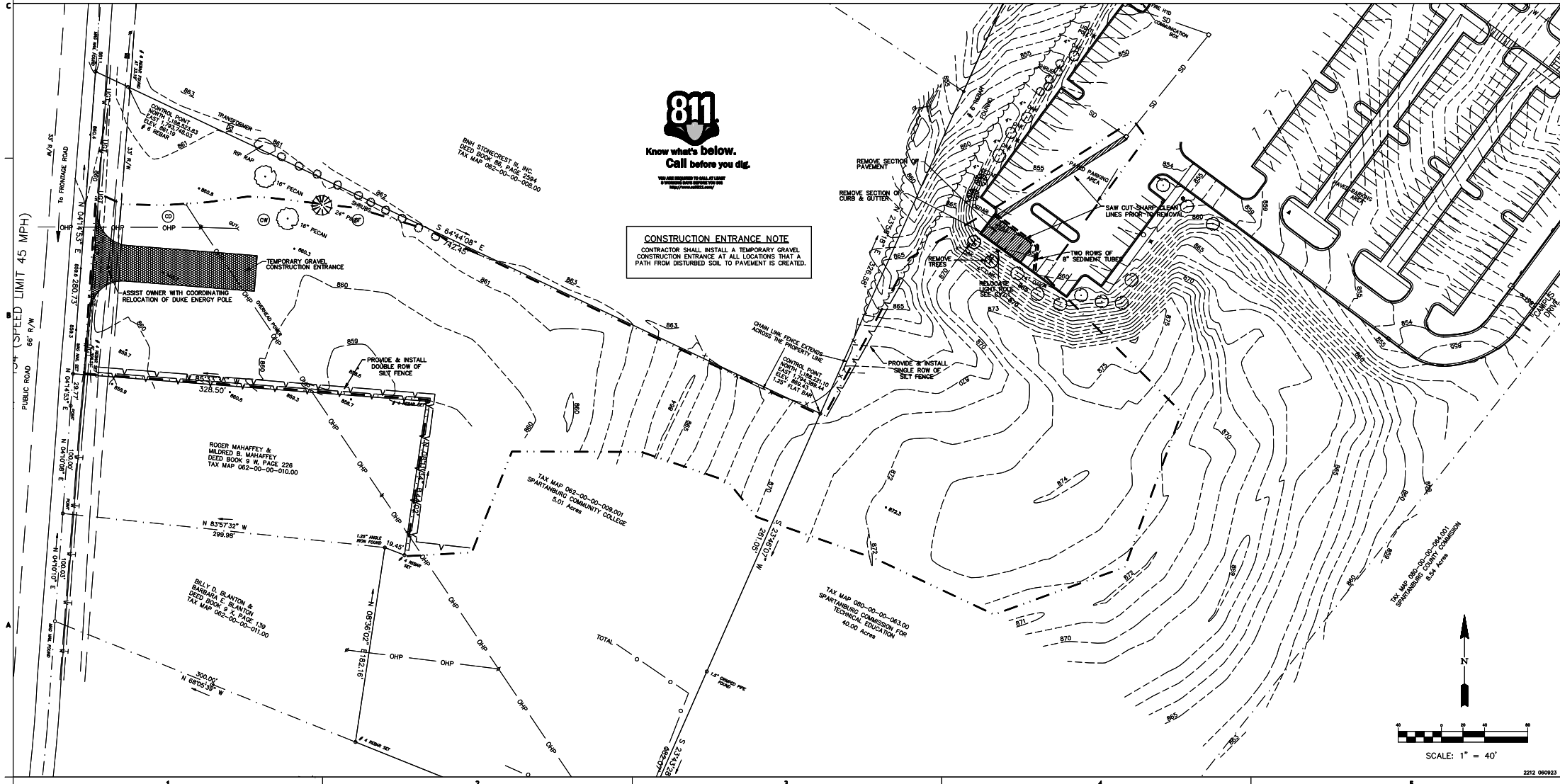
SHEET TITLE:
SITE PREPARATION PLAN

SHEET NO. PROJ. NO.

CV1.1 2101



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



SPECIFICATIONS & NOTES

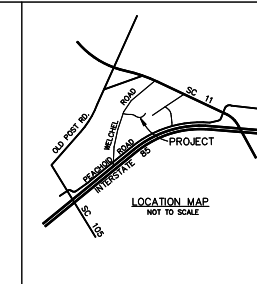
- CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND LINES AND UTILITIES BEFORE EXCAVATION. ADVISE ENGINEER IMMEDIATELY OF ANY VARIATIONS. ALL EXCAVATIONS NEAR THESE LINES SHALL BE WITH CAUTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF EXISTING CONSTRUCTION WHICH AFFECTS NEW CONSTRUCTION. CONTRACTOR RESPONSIBLE 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 90% 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 SCODOT 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 RED 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 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'-21" TYPE "C" BEDDING
CLASS IV - DEPTHS 21'-27" TYPE "B" BEDDING
CLASS V - DEPTHS 27'-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.

SITE PLAN NOTES

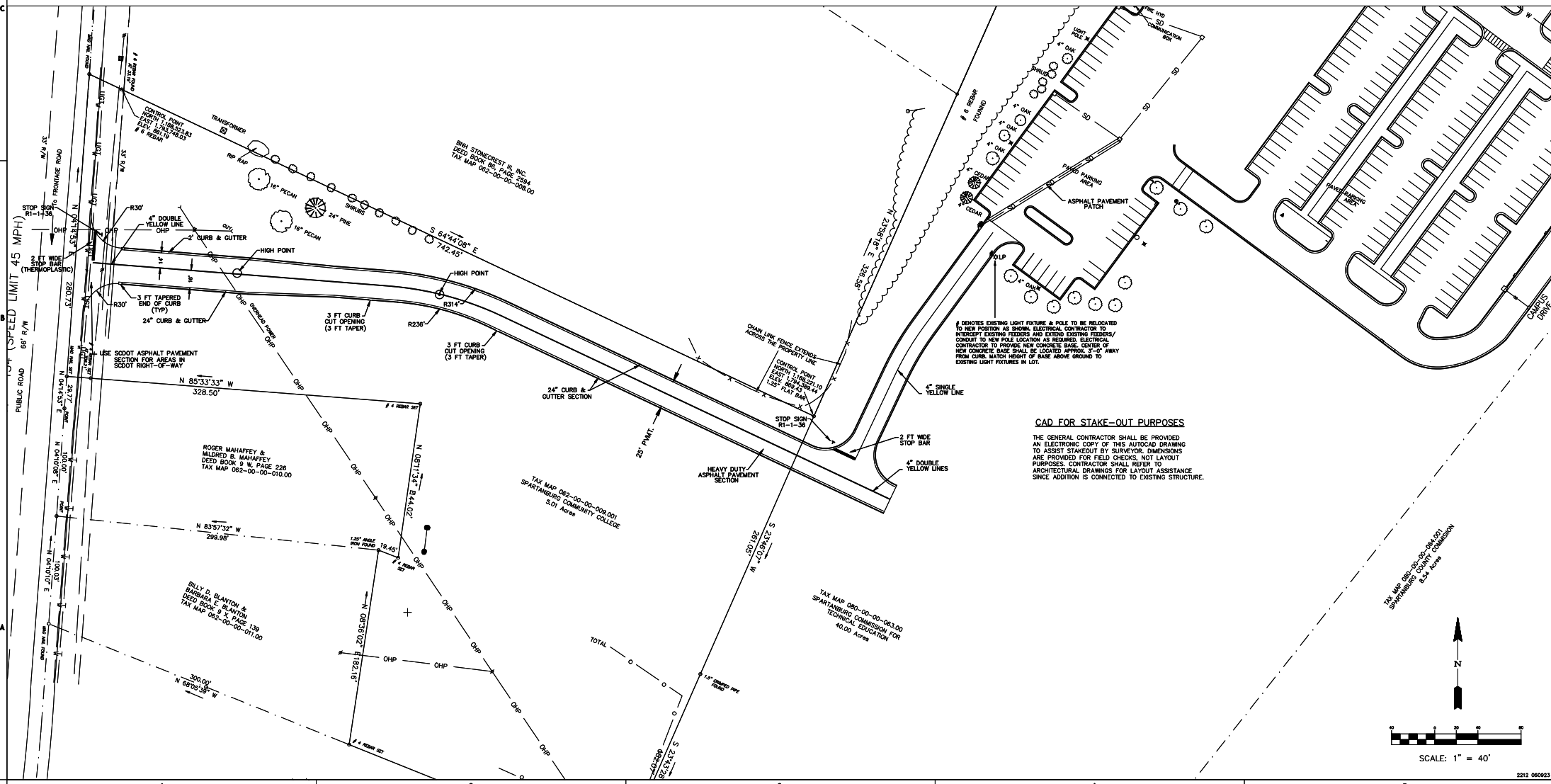
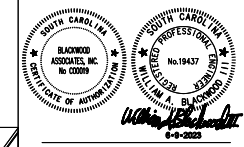
- CONTRACTOR SHALL IDENTIFY THE LOCATION AND ELEVATIONS OF ALL UTILITIES ON SITE BEFORE CONSTRUCTION.
- ANY DISCREPANCIES FROM THE DRAWINGS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- ALL DIMENSIONS ARE TO THE FACE OF CURB, FACE OF THE BUILDING, OR THE EDGE OF PAVEMENT.
- REFER TO EROSION CONTROL, 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.

GENERAL NOTES:

- THESE TRACTS CONTAIN 45.0 ACS.
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SPARTANBURG COMMUNITY COLLEGE
SCC - CHEROKEE CAMPUS
WHELCH ROAD ENTRANCEWAY
PROJECT: H69-N153-MJ
GAFFNEY, SOUTH CAROLINA

SHEET ISSUE:	NO.	DATE	DESCRIPTION	BY
	A	04.28.22	PERMIT SET	WAB
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BID SET 06.09.2023
PROJ. NO. 2101
SHEET TITLE: SITE PLAN
SCALE: 1" = 40'
CV2.1

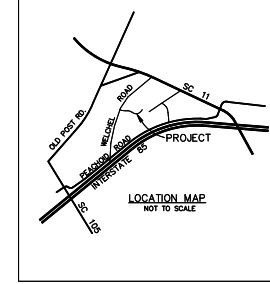
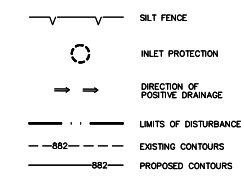
SCDHEC/COUNTY STANDARD NOTES

- IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS. IN ADDITION TO HYDROSEEDING, IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE CALENDAR EVERY WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY PLACED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASS IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD (ONTO PAVED ROADWAYS) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCRI0000.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND TO DIRECT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
- ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
- A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING. WHEEL WASH WATER, 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.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASINS, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL.
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SCS WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
- CONTRACTORS ARE REQUIRED TO HAVE RAIN GAUGES AT THE CONSTRUCTION SITE AND THE RAIN TOTALS DOCUMENTED FOR REVIEW.

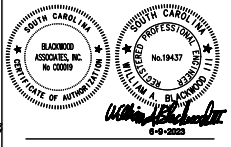
EROSION CONTROL SEQUENCE OF EVENTS

- PHASE IIA: GRADING (CV3.1)
 - COMPLETE CLEARING AND GRUBBING FOR INSTALLATION OF STORM DRAINAGE.
 - PLACE INLET PROTECTION AROUND ALL NEW CATCH BASINS.
 - COMPLETE TOPSOIL REMOVAL AND/OR STORAGE FOR REMAINDER OF SITE.
 - COMPLETE REMAINING GRADING, STORM DRAINAGE, AND SITE UTILITIES.
 - COMPLETE GRADING OPERATIONS.
- PHASE IIB: STABILIZATION (CV3.1)
 - APPLY GRASSING IN ACCORDANCE WITH GRASS NOTES.
 - INSPECT AND MAINTAIN ALL EROSION CONTROL AS INDICATED IN GRADING NOTES.
 - PERMANENT GRASS SHALL BE INSTALLED FOR ALL AREAS AT FINAL GRADE AND IN SEASON INDICATED ON GRASS NOTES.
 - AFTER COMPLETION OF CONSTRUCTION AND THE SITE IS STABILIZED:
 - REMOVE ALL ACCUMULATED SEDIMENT FROM SEDIMENT TRAPPING MEASURES AND SPREAD EVENLY ACROSS THE SITE.
 - REMOVE ALL TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, INLET PROTECTION, & RIPRAP BERM). GRASS ANY DISTURBED AREAS.
- PERMIT CLOSURE
 - THE NOTICE OF TERMINATION CAN BE SUBMITTED TO SCDHEC UPON THE SITE REACHING A MINIMUM OF 70% UNIFORM SITE STABILIZATION.

GRADING PLAN LEGEND



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SPARTANBURG COMMUNITY COLLEGE
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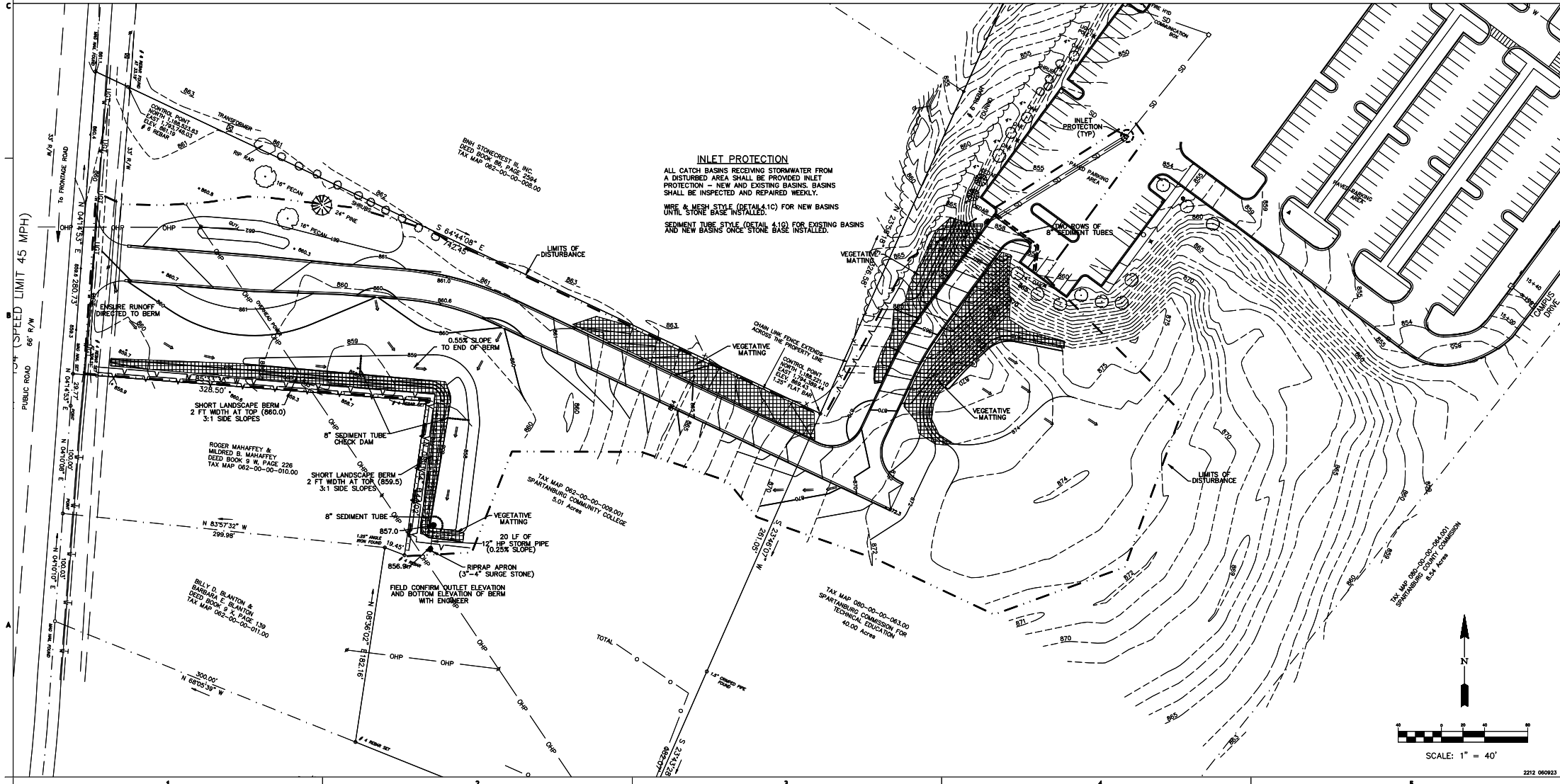
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BD SET	06.09.2023
PRELIMINARY	WAB
REVISIONS	WAB
DATE	NO

GRADING PLAN

SHEET NO. PROJ. NO.

CV3.1 2101

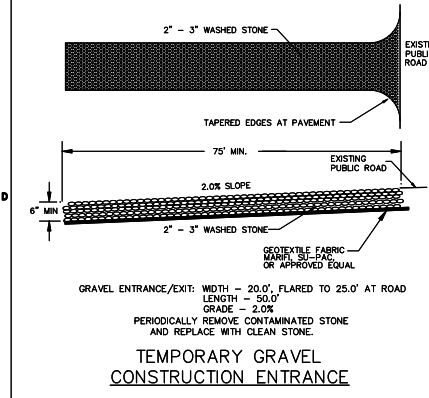


INLET PROTECTION
ALL CATCH BASINS RECEIVING STORMWATER FROM A DISTURBED AREA SHALL BE PROVIDED INLET PROTECTION - NEW AND EXISTING BASINS. BASINS SHALL BE INSPECTED AND REPAIRED WEEKLY.
WIRE & MESH STOLE (DETAIL 4.1C) FOR NEW BASINS
SEDIMENT TUBE STYLE (DETAIL 4.1D) FOR EXISTING BASINS AND NEW BASINS ONCE STONE BASE INSTALLED.

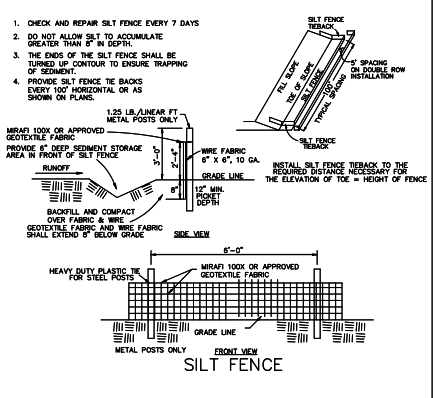
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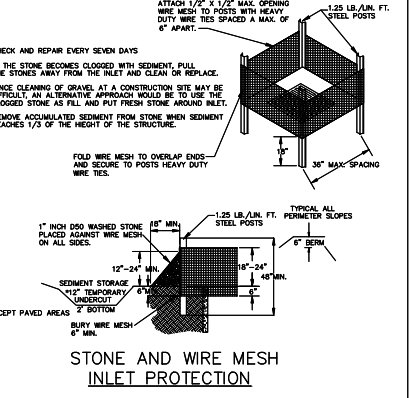
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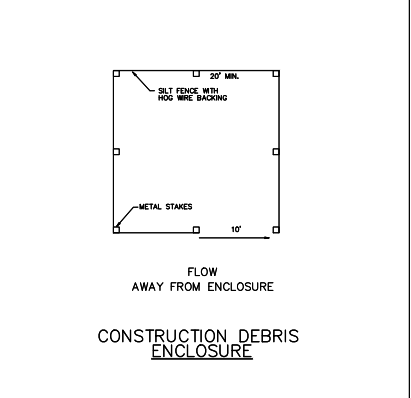
DETAIL 4.1A NOT TO SCALE



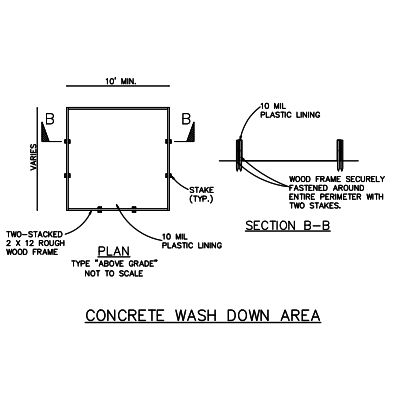
DETAIL 4.1B NOT TO SCALE



DETAIL 4.1C NOT TO SCALE



DETAIL 4.1D NOT TO SCALE

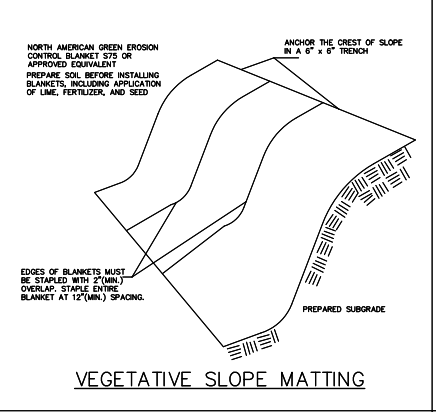


DETAIL 4.1E NOT TO SCALE

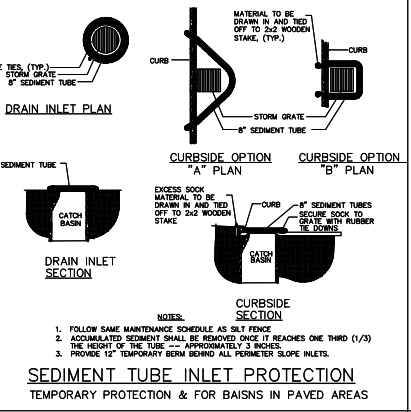
GRASS NOTES:

- 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) 583-5432 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 8% OF THE SEEDING 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\"/>
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ALL MAINTENANCE NECESSARY TO KEEP SEEDING AREAS IN SATISFACTORY CONDITION UNTIL THE WORK IS ACCEPTED. THIS INCLUDES MOWING, BRIDGING, 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 IS CAPABLE OF RE-ESTABLISHMENT IN THE SPRING. THE CONTRACTOR SHALL WARRANT 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 GRASS	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)	



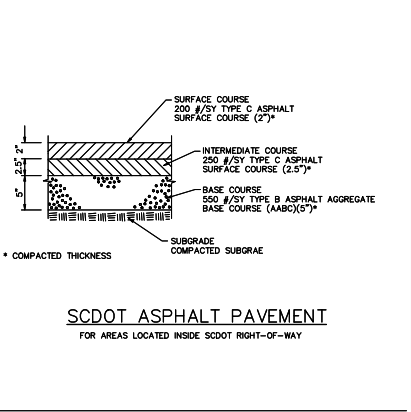
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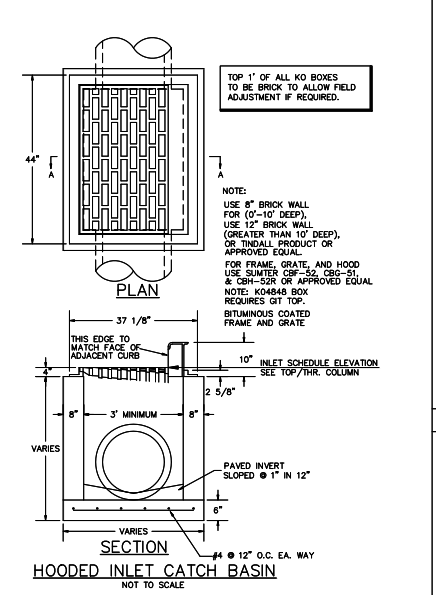
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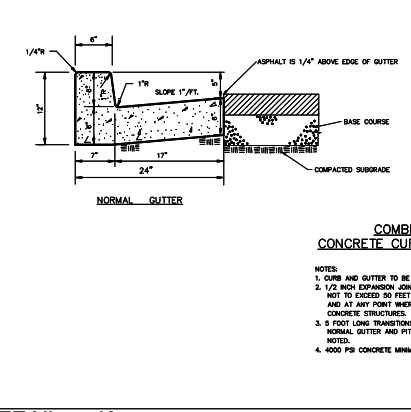
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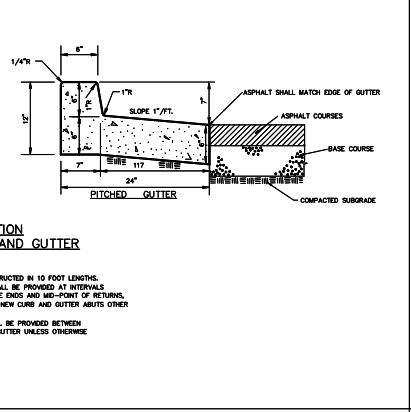
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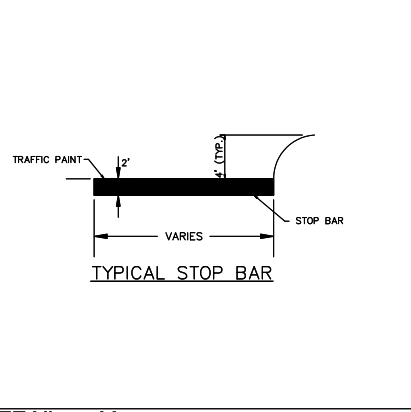
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DETAIL 4.1K NOT TO SCALE



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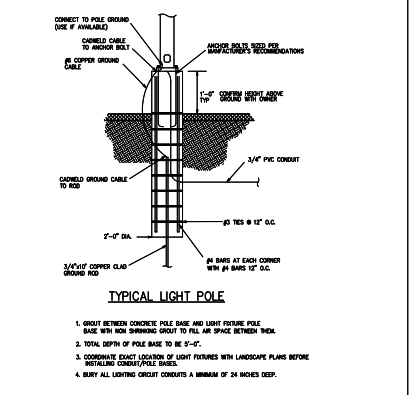


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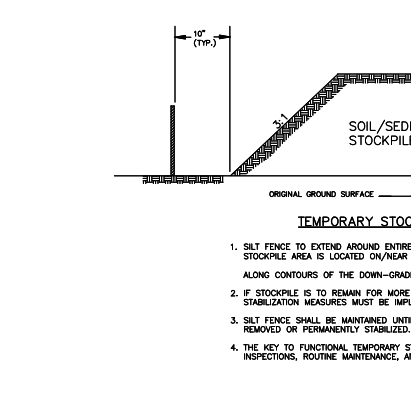
SCHEDULE OF GOVERNING DIMENSIONS FOR KO BOXES NOT EXCEEDING 7 FT. BURIAL DEPTH			
KO BOX SIZE	MAXIMUM PIPE O.D.	MAXIMUM PIPE O.D. LONG WALL	LONG WALL
K0348	33"	45"	45"
K0484	47"	47"	47"
K0484 WITH K0484 GT TOP	47"	47"	47"

SCHEDULE OF GOVERNING DIMENSIONS FOR PIPE OVER 7 FT. DEPTH AND ROUND STRUCTURES			
MANHOLE #	MAXIMUM PIPE O.D.	MAXIMUM PIPE O.D. FOR 90° DEFLECTION	MANHOLE #
4"	34"	28"	
6"	45"	37"	
8"	55"	45"	
10"	65"	54"	
12"	75"	62"	
15"	85"	70"	

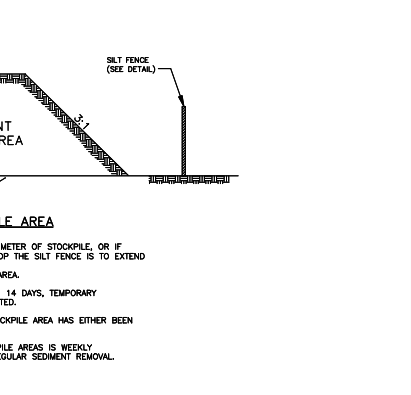
DETAIL 4.1L NOT TO SCALE



DETAIL 4.1N NOT TO SCALE



DETAIL 4.1O NOT TO SCALE



DETAIL 4.1P NOT TO SCALE

GRASSING NOTES

DETAIL 4.1L NOT TO SCALE

DETAIL 4.1M NOT TO SCALE

DETAIL 4.1N NOT TO SCALE

DETAIL 4.1O NOT TO SCALE

SHEET ISSUE:	NO.	DATE	DESCRIPTION	BY
A	04.25.23		PERMIT SET	WAB
B	11.15.23		REVIEW COMMENTS	WAB
C	06.09.23		BID SET	WAB

BID SET 06.09.2023
REVISIONS TO COVER PERMIT REVISIONS
SHEET NO. 10

SITE DETAILS

SHEET NO. PROJ. NO.