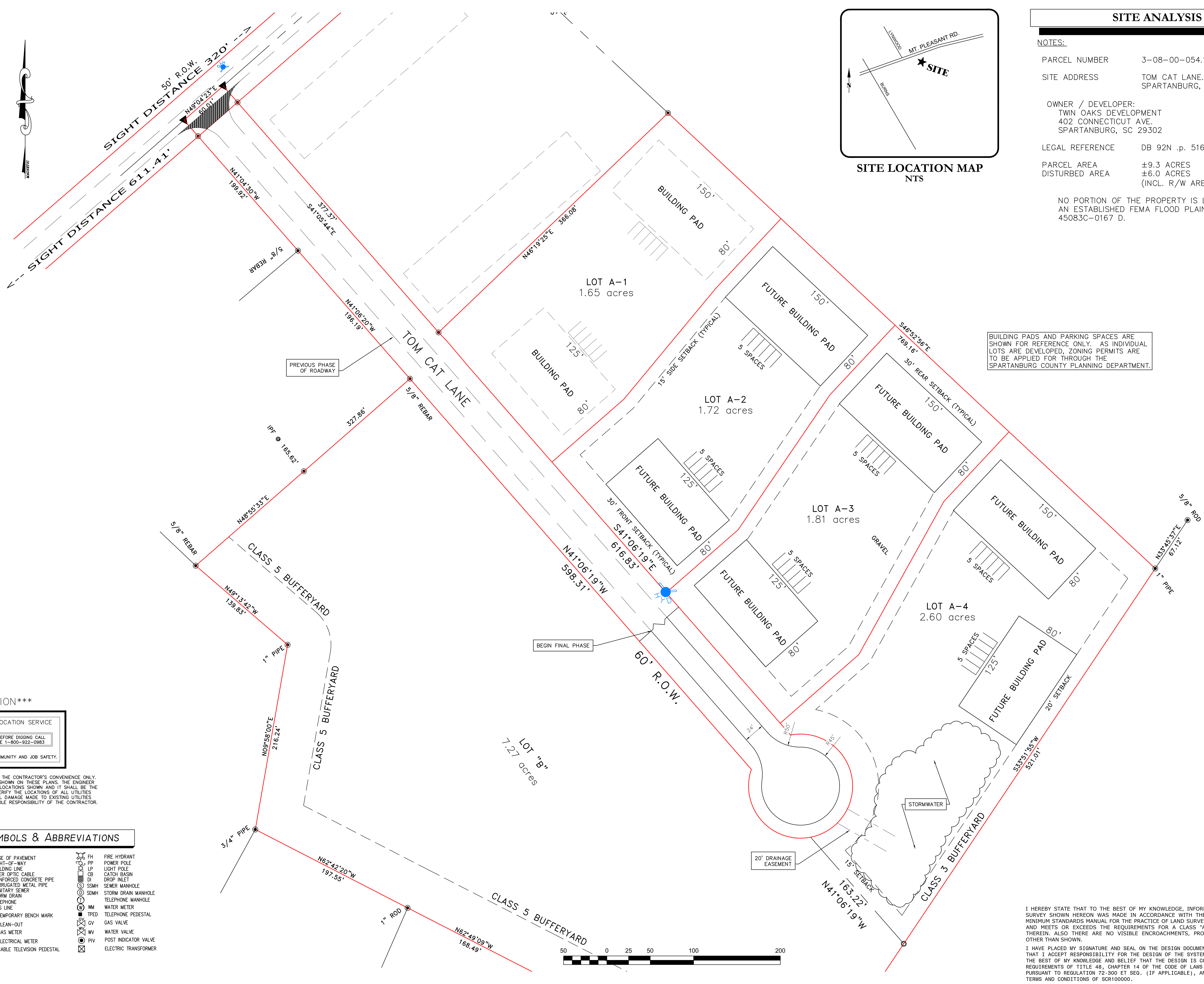

CAUTION

PALMETTO UTILITY LOCATION SERVICE

3 DAYS BEFORE DIGGING CALL TOLL FREE 1-800-922-0983

A ONE CALL SYSTEM FOR COMMUNITY AND JOB SAFETY.

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

LEGEND OF SYMBOLS & ABBREVIATIONS

IPF	IRON PIN FOUND	EP	EDGE OF PAVEMENT	FH	FIRE HYDRANT
IPS	IRON PIN SET	R/W	RIGHT-OF-WAY	PP	POWER POLE
NCF	NAIL & CAP FOUND	BL	BUILDING LINE	LP	LIGHT POLE
NCS	NAIL & CAP SET	FOC	FIBER OPTIC CABLE	CB	CATCH BASIN
PT	POINT	RCP	REINFORCED CONCRETE PIPE	DI	DROP INLET
CT	CRIMPED TOP	CMP	CORRUGATED METAL PIPE	SSMH	SEWER MANHOLE
OT	OPEN TOP	SS	SANITARY SEWER	SDMH	STORM DRAIN MANHOLE
RB	REBAR	SD	STORM DRAIN		TELEPHONE MANHOLE
SR	SOLID ROD	T	TELEPHONE	WM	WATER METER
UG	UNDERGROUND	G	GAS LINE	TPED	TELEPHONE PEDESTAL
CLF	CHAIN LINK FENCE	TBM	TEMPORARY BENCH MARK	GV	GAS VALVE
WPF	WOOD PRIVACY FENCE	CO	CLEAN-OUT	WV	WATER VALVE
UGE	UNDERGROUND ELECTRIC	GM	GAS METER	PIV	POST INDICATOR VALVE
OHP	OVERHEAD POWER	EM	ELECTRICAL METER		ELECTRIC TRANSFORMER
	STORM DRAIN	CATV	CABLE TELEVISION PEDESTAL		
—SS—	SANITARY SEWER				
—SF—	SILT FENCE				
—LOD—	LIMITS OF DISTURBANCE				
	INLET PROTECTION				
— X —	FENCE				
	STORMWATER FLOW DIRECTION				

SITE LOCATION MAP
NTS

SITE ANALYSIS

NOTES:

PARCEL NUMBER 3-08-00-054.17

SITE ADDRESS TOM CAT LANE.
SPARTANBURG, SC 29307

OWNER / DEVELOPER:
TWIN OAKS DEVELOPMENT
402 CONNECTICUT AVE.
SPARTANBURG, SC 29302

LEGAL REFERENCE DB 92N .p. 516

PARCEL AREA ±9.3 ACRES
DISTURBED AREA ±6.0 ACRES
(INCL. R/W AREAS)

NO PORTION OF THE PROPERTY IS LOCATED WITHIN AN ESTABLISHED FEMA FLOOD PLAIN PER PANEL NO. 45083C-0167 D.

BUILDING PADS AND PARKING SPACES ARE SHOWN FOR REFERENCE ONLY. AS INDIVIDUAL LOTS ARE DEVELOPED, ZONING PERMITS ARE TO BE APPLIED FOR THROUGH THE SPARTANBURG COUNTY PLANNING DEPARTMENT.

I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN. ALSO THERE ARE NO VISIBLE ENCROACHMENTS, PROJECTIONS, OR SETBACKS OTHER THAN SHOWN.

I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

SOUTH CAROLINA BLUE LINE CONSULTING LLC CERTIFICATE OF AUTHORIZATION NO. C03690 — CORPORATE SEAL

SOUTH CAROLINA PROFESSIONAL ENGINEER ERIK HORN 12-12-25 — ENGINEER SEAL

BLUE LINE CONSULTING, LLC
900 N. TRADE AVENUE EXT.
LANDRUM, SC 29356
(864) 884-2158

NO.	DATE	REVISION
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PROJECT:
Tom Cat Business Park Final Phase
Spartanburg County, South Carolina

SHEET TITLE:
Site Layout

PROJECT NO.	25051
SHEET NO.	
SCALE:	1"=50'
DRAWN:	MEH
DATE:	12-12-2025

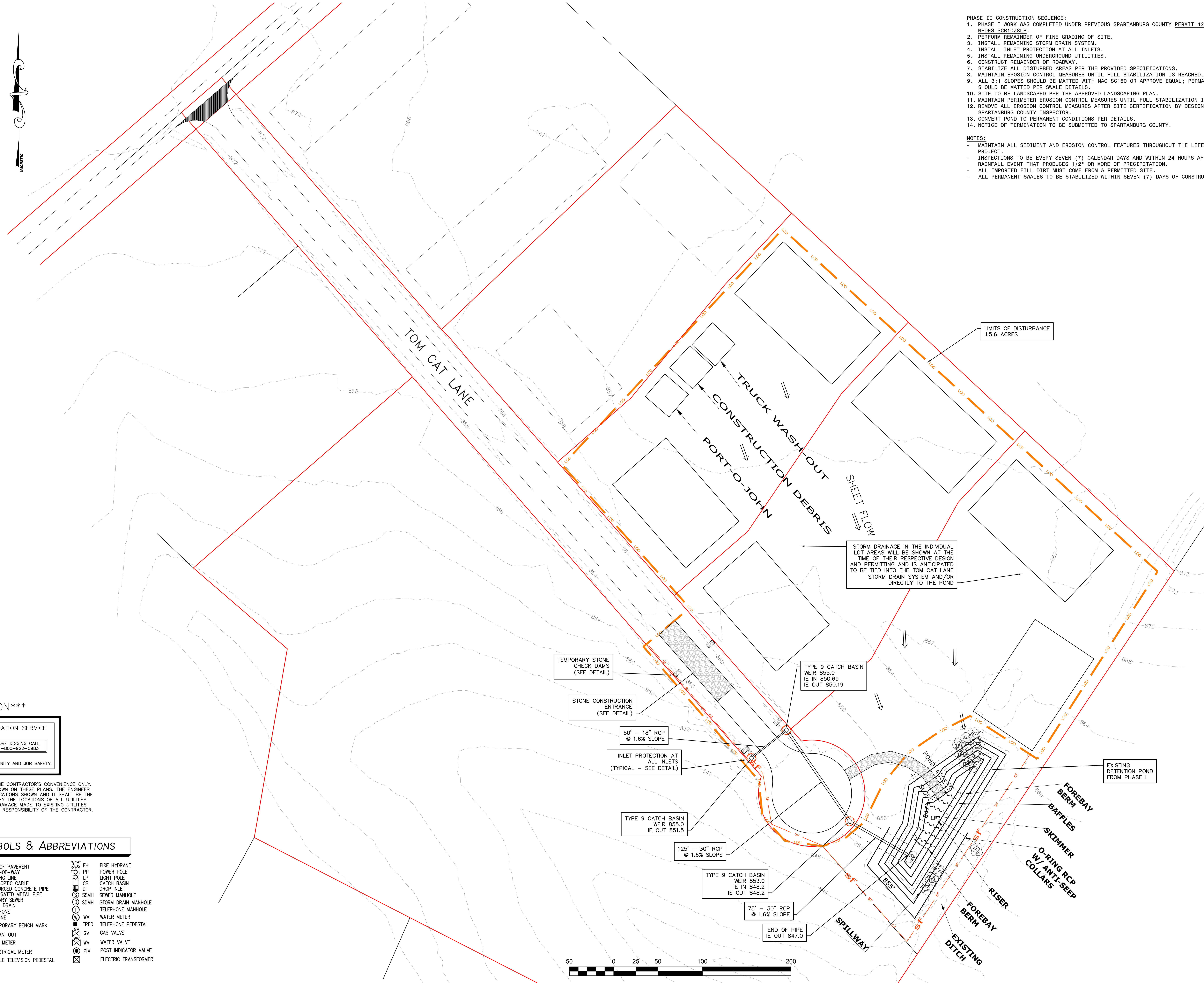
CV-1

PHASE II CONSTRUCTION SEQUENCE:

1. PHASE I WORK WAS COMPLETED UNDER PREVIOUS SPARTANBURG COUNTY PERMIT 42-21-02-16 AND NPDES SCR10Z8LP.
2. PERFORM REMAINDER OF FINE GRADING OF SITE.
3. INSTALL REMAINING STORM DRAIN SYSTEM.
4. INSTALL INLET PROTECTION AT ALL INLETS.
5. INSTALL REMAINING UNDERGROUND UTILITIES.
6. CONSTRUCT REMAINDER OF ROADWAY.
7. STABILIZE ALL DISTURBED AREAS PER THE PROVIDED SPECIFICATIONS.
8. MAINTAIN EROSION CONTROL MEASURES UNTIL FULL STABILIZATION IS REACHED.
9. ALL 3:1 SLOPES SHOULD BE MATTED WITH NAG SC150 OR APPROVE EQUAL; PERMANENT SWALES SHOULD BE MATTED PER SWALE DETAILS.
10. SITE TO BE LANDSCAPED PER THE APPROVED LANDSCAPING PLAN.
11. MAINTAIN PERIMETER EROSION CONTROL MEASURES UNTIL FULL STABILIZATION IS REACHED.
12. REMOVE ALL EROSION CONTROL MEASURES AFTER SITE CERTIFICATION BY DESIGN ENGINEER AND SPARTANBURG COUNTY INSPECTOR.
13. CONVERT POND TO PERMANENT CONDITIONS PER DETAILS.
14. NOTICE OF TERMINATION TO BE SUBMITTED TO SPARTANBURG COUNTY.

NOTES:

- MAINTAIN ALL SEDIMENT AND EROSION CONTROL FEATURES THROUGHOUT THE LIFE OF THE PROJECT.
- INSPECTIONS TO BE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2" OR MORE OF PRECIPITATION.
- ALL IMPORTED FILL DIRT MUST COME FROM A PERMITTED SITE.
- ALL PERMANENT SWALES TO BE STABILIZED WITHIN SEVEN (7) DAYS OF CONSTRUCTION.



CAUTION

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	INLET PROTECTION				
—X—	FENCE				
	STORMWATER FLOW DIRECTION				

CORPORATE SEAL: SOUTH CAROLINA BLUE LINE CONSULTING NO. C03690 CERTIFICATE OF AUTHORIZATION
ENGINEER SEAL: SOUTH CAROLINA ... ERIK HORN 12-12-25

BLUE LINE CONSULTING, LLC
900 N. TRADE AVENUE EXT.
LANDRUM, SC 29356
(864) 884-2158

NO.	DATE	REVISION
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PROJECT: Tom Cat Business Park Final Phase
Spartanburg County, South Carolina

SHEET TITLE: Phase II Grading and Erosion Control Plan

PROJECT NO.	25051
SCALE:	1"=50'
SHEET NO.	
DRAWN:	MEH
DATE:	12-12-2025

CV-2

EROSION CONTROL NOTES:

1. SEE GRADING AND EROSION CONTROL PLANS FOR CONSTRUCTION SEQUENCE.
2. GRADING CONTRACTOR TO MAINTAIN EROSION CONTROL MEASURES UNTIL GRASSING IS ESTABLISHED. OWNER WILL BE RESPONSIBLE FOR EROSION CONTROL MAINTENANCE THEREAFTER.
3. CORPS PERMITS SHALL BE ACQUIRED BEFORE ANY WETLANDS OR WATERS OF THE STATE ARE TO BE DISTURBED. 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. FURTHERMORE, NO SEDIMENT OR EROSION CONTROL DEVICES ARE TO BE PLACED IN WETLANDS OR WATERS OF THE STATE.
4. SOIL TYPE IS CECIL (CcB, CcC, CfC3) (HYDROLOGICAL SOIL GROUP "B")
5. THIS SITE IS TO BE MASS GRADED. DISTURBED AREA IS ±6.0 ACRES AS DETERMINED BY CLOSED POLYLINE IN AUTOCAD.
6. OWNER: VYACHESLAV A. CHOLAK
1825 UNION HWY.
ENOREE, SC 29335
7. ALL DISTURBED AREAS SHALL RECEIVE TOP SOIL & BE GRASSED IN ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THE LANDSCAPING NOTES IN THESE SITE PLANS.
8. 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 GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.
9. 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 OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND SITE IS STABILIZED.
10. 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 SOON AS POSSIBLE.
    - -WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WIHTIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
11. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7)DAYS. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED AS NECESSARY.
12. 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. VEGETATIVE MATTING SHALL BE NORTH AMERICAN GREEN SC150 OR APPROVED EQUAL. GEOTEXTILE FILTER FABRIC SHALL BE MIRAFI 700X OR APPROVED EQUAL. CONTRACTOR SHALL SUBMIT, FOR APPROVAL, PROPOSED GEOTEXTILE FILTER FABRIC AND VEGETATIVE MATTING.
13. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, OR AS MAY BE REQUIRED.
14. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
15. SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR PROVIDE AN INDIVIDUAL PLAN MEETING SECTION R.72-307 OF THE STORMWATER MANAGEMENT AND SEDIMENT REDUCTION REGULATION, ORDINANCE NO. 497.
16. 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.
17. 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 GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION.
18. ALL ROADWAY AND DRAINAGE CONSTRUCTION IS TO CONFORM TO THE "SPARTANBURG COUNTY STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS".
19. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AT ALL INTERSECTIONS OF INTERNAL ROADS TO ENSURE THAT NO PONDING OCCURS.
20. SEE SCDHEC STANDARD NOTES FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES BY CALLING PALMETTO UTILITY LOCATION SERVICE AT 1-800-922-0983 AT LEAST THREE (3) DAYS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SHOULD ANY DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE DRAWINGS.
3. EARTHWORK SHALL BE TO THE LINES AND GRADES SHOWN. ALL PROPOSED ELEVATIONS SHOWN ARE FINISH GRADE ELEVATIONS. THE GRADING CONTRACTOR SHALL DEDUCT FOR APPROPRIATE SUBGRADE.
4. EXCAVATION SHALL BE CLASSIFIED AS FOLLOWS:
    - MASS ROCK: ANY MATERIAL WHICH CANNOT BE EXCAVATED WITH A SINGLE TOOTH RIPPER DRAWN BY A CRAWLER TRACTOR HAVING A MINIMUM DRAW PULL RATED AT NOT LESS THAN 56,000 LBS. (CAT D-8 OR EQUIVALENT) AND OCCUPYING AN ORIGINAL VOLUME OF AT LEAST 1 CUBIC YARD OR MORE.
    - TRENCH ROCK: ANY MATERIAL WHICH CANNOT BE EXCAVATED WITH A TRACK MOUNTED BACKHOE WITH A BUCKET CURLING FORCE OF NOT LESS THAN 20,760 LBS. (CAT 325 OR EQUIVALENT) AND OCCUPYING AN ORIGINAL VOLUME OF AT LEAST 1/2 CUBIC YARD OR MORE.

COMMON: MATERIAL WHICH DOES NOT FALL INTO THE CLASSIFICATIONS AS CLASSIFIED ABOVE.

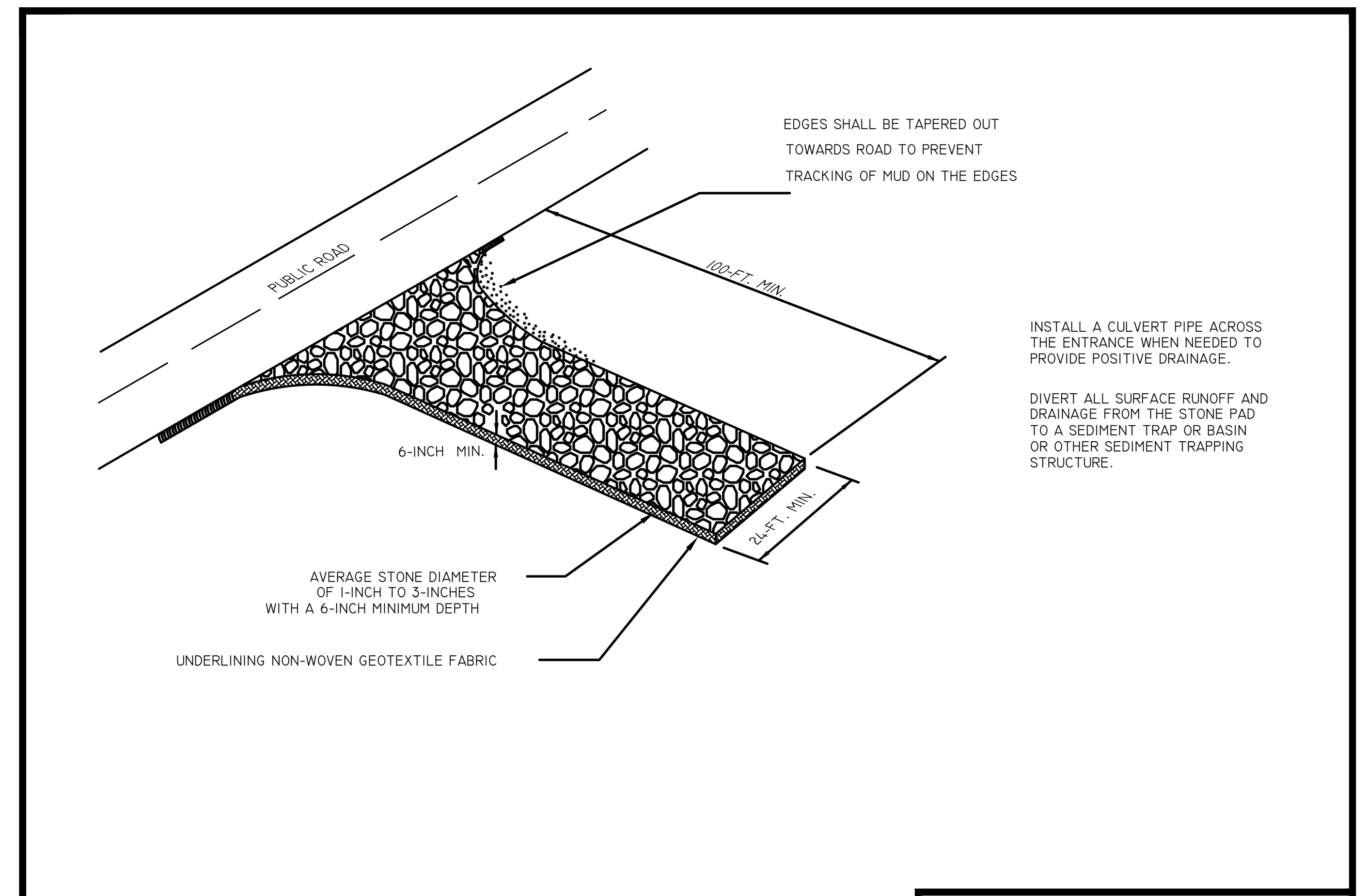
5. SHOULD ROCK, AS DEFINED IN NOTE 4 ABOVE, BE ENCOUNTERED, ENGINEER SHALL BE NOTIFIED PRIOR TO EXCAVATION OF ROCK FOR ESTABLISHMENT OF MEASUREMENT AND PAYMENT PROCEDURES.
6. FILL MATERIAL SHALL BE COMPACTED TO A MINMUM OF 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AT A MOISTURE CONTENT OF ±2% OF OPTIMUM.
7. THE UPPER 12 INCHES OF SUBGRADE IN FLOOR SLAB AND PAVMENT AREAS SHALL BE COMPACTED TO A MINIMUM OF 98% OF THE STANDARD PROCTOR.
8. COMPACTED FILL SHALL BE TESTED DURING PLACEMENT TO ENSURE PROPER DEGREE OF COMPACTION.
9. COMPACTION TESTS SHALL BE PERFORMED AT A MINIMUM OF ONE TEST PER TWO VERTICAL FEET OF FILL MATERIAL PLACED.
10 THE CONTRACTOR SHALL ARRANGE FOR AND COORDINATE COMPACTION TESTS AND SUPPLY RESULTS TO THE ENGINEER AS A CONDITION TO PRELIMINARY AND/OR FINAL APPROVALS. INITIAL COMPACTION TESTS SHALL BE CONDUCTED AT THE OWNER'S EXPENSE. RETESTING REQUIRED DUE TO POOR COMPACTION SHALL BE CONDUCTED AT THE CONTRACTOR'S EXPENSE.
11. CONTRACTOR SHALL PROOF ROLL THE CONSTRUCTION AREA WITH HEAVY PNEUMATIC EQUIPMENT IN THE PRESENCE OF THE GEOTECHNICAL PROFESSIONAL PRIOR TO PLACING PAVING MATERIAL. ALL SOFT SPOTS SHALL BE UNDERCUT, REPLACED WITH STRUCTURAL FILL MATERIAL AND RECOMPACTED TO THE REQUIRED DENSITIES.
12. CONTRACTOR SHALL REMOVE TOPSOIL AS NECESSARY (MINIMUM OF 4" OR AS DIRECTED BY GEOTECHNICAL ENGINEER) TO PROVIDE ADEQUATE SUBGRADE.
13. PAVING PER DETAILS
14. THE CONTRACTOR SHALL CONDUCT ALL WORK IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
15. -OMITTED-
16. ALL WORK IN OR ON STATE OR COUNTY RIGHT-OF-WAY REQUIRES AN ENCROACHMENT PERMIT FROM THE APPROPRIATE AGENCY.
17. CONTOUR INFORMATION PROVIDED BY SOUTHER LAND SURVEYING. CONTRACTOR SHALL VERIFY ALL GRADES PRIOR TO COMMENCEMENT OF WORK. ALL DISCREPENCIES SHALL BE REPORTED TO ENGINEER BEFORE PROCEEDING WITH WORK.
18. ALL EROSION CONTROL MEASURES SHOWN AND STATED ON THIS PLAN ARE TO BE IMPLEMENTED THROUGH FINAL INSPECTION.
19. GRASSING SHALL BE IN ACCORDANCE WITH THE LANDSCAPING NOTES PRIOR TO CONSIDERATION FOR PROGRESS PAYMENTS AND/OR FINAL APPROVAL/ACCEPTANCE.
20. FINAL PAYMENT TO THE CONTRACTOR WILL NOT BE RELEASED UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE OWNER, ENGINEER AND THE LOCAL AGENCY HAVING JURISDICTION.
21. GRASS SWALES SHALL HAVE A MINIMUM SLOPE OF 1%.
22. ALL BUILDING PADS SHALL BE GRADED SUCH THAT POSITIVE DRAINAGE IS MAINTAINED.
23. CONTRACTOR SHALL REMOVE ALL COLLECTED SILT AND/OR SEDIMENT FROM POND AND AROUND OUTLET STRUCTURE AND REPAIR/REPLACE STONE PROTECTION AROUND LOW FLOW ORIFICE UPON STABILIZATION OF SITE.

LANDSCAPING NOTES:

1. SEE SHEET L-1 FOR PLANTING PLAN.
2. AREAS TO BE GRASSED SHALL BE DEFINED AS ALL AREAS OF THE SITE WITHIN THE GRADING LIMITS AND NOT OCCUPIED BY PAVING OR STRUCTURES. GRASSING SHALL INCLUDE FINAL SHAPING, LIMING, FERTILIZING, SEEDING, AND MULCHING.
3. FERTILIZE TOPSOIL FOR PLANTING GRASS WITH COMMERCIAL FERTILIZER CONTAINING 10 PERCENT NITROGEN, 10 PERCENT PHOSPHOROUS, AND 10 PERCENT POTASH AT A RATE OF 5 POUNDS PER 1,000 SQUARE FEET. LIME SHALL BE APPLIED AS REQUIRED TO ADJUST SOIL TO AN ACCEPTABLE PH LEVEL. LIME SHALL BE GROUND DOLOMITIC LIMESTONE ACCEPTABLE AS AGRICULTURAL LIMESTONE CONTAINING NOT LESS THAN 85 PERCENT OF TOTAL CARBONATES. LIME SHALL MEET THE REQUIREMENTS OF THE SOUTH CAROLINA DEPARTMENT OF AGRICULTURE.
4. GRASS SEED SHALL CONSIST OF A BLEND AS INDICATED BELOW. THE TOTAL POUNDS OF SEED PER ACRE SHALL BE THE SUM TOTAL SHOWN BELOW FOR ALL VARIETIES OF SEED INDICATED. ALL SEED SHALL CONFORM TO STATE LAWS AND TO ALL REQUIREMENTS AND REGULATIONS OF THE SOUTH CAROLINA DEPARTMENT OF AGRICULTURE.

SCHEDULE NUMBER	SEED NAME	PLANTING RATE	DATES
1	COMMON BERMUDA (HULLED)	20	MARCH 15-
	KENTUCKY 31 FESCUE	50	AUGUST 14
2	COMMON BERMUDA (HULLED)	30	
	KENTUCKY 31 FESCUE	50	AUGUST 15-
	RESEEDING CRIMSON CLOVER	20	MARCH 14
	ANNUAL RYE GRASS	5	
	RYE GRAIN	20	

5. ALL REQUIRED LIME AND FERTILIZER SHALL BE THOROUGHLY AND EVENLY INCORPORATED WITH THE SOIL TO A MINIMUM DEPTH OF 4" BY DISCING OR OTHER APPROVED METHODS. IN AREAS INACCESSIBLE TO POWER EQUIPMENT, IT SHALL BE INCORPORATED WITH THE SOIL BY USE OF HAND TOOLS AND ROLLED. SOIL SHALL BE LEVELED OFF, RAKED SMOOTH, AND ROLLED FOR RECEPTION OF SEED.
6. SEED SHALL BE APPLIED BY AN ACCEPTED METHOD UTILIZING A MINIMUM OF 2 PASSES AT RIGHT ANGLES. RAKE SEED LIGHTLY IN TO THE TOP 1/8" OF SEED BED. PROTECT SEEDED AREAS AGAINST EROSION BY SPREADING STRAW TO A UNIFORM LOOSE DEPTH OF 1 1/2".
7. MAINTAIN GRASSING AS REQUIRED TO ESTABLISH A SATISFACTORY STAND OF GRASS. FOR PURPOSE OF GRASSING, A SATISFACTORY STAND OF GRASS IS DEFINED AS A FULL COVER OVER AREAS TO BE SEEDED, ALIVE AND GROWING, AND LEAVING NO BARE SPOTS LARGER THAN 3/4 SQUARE YARDS WITHIN A RADIUS OF 10 FEET.



STABILIZED CONSTRUCTION ENTRANCE

STANDARD DRAWING NO. EC-06 Page 1 of 3

STABILIZED CONSTRUCTION ENTRANCE

WHEN AND WHERE TO USE IT

STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD.

IMPORTANT CONSIDERATIONS

IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFFSITE. WASHDOWN FACILITIES SHALL BE REQUIRED AS DIRECTED BY GOVERNING AGENCY AS NEEDED. WASHDOWN AREAS IN GENERAL MUST BE ESTABLISHED WITH CRUSHED GRAVEL AND DRAIN INTO A SEDIMENT TRAP OR SEDIMENT BASIN. CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY VEHICLES.

INSTALLATION:

REMOVE ALL VEGETATION AND ANY OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA.

DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM STONES TO A SEDIMENT TRAP OR BASIN.

INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE.

INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.

THE ENTRANCE SHALL CONSIST OF 1-INCH TO 3-INCH D50 STONE PLACED AT A MINIMUM DEPTH OF 6-INCHES.

MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24-FEET WIDE BY 100-FEET LONG, AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONSTRAINTS.

THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING OF MUD AT THE EDGE OF THE ENTRANCE.

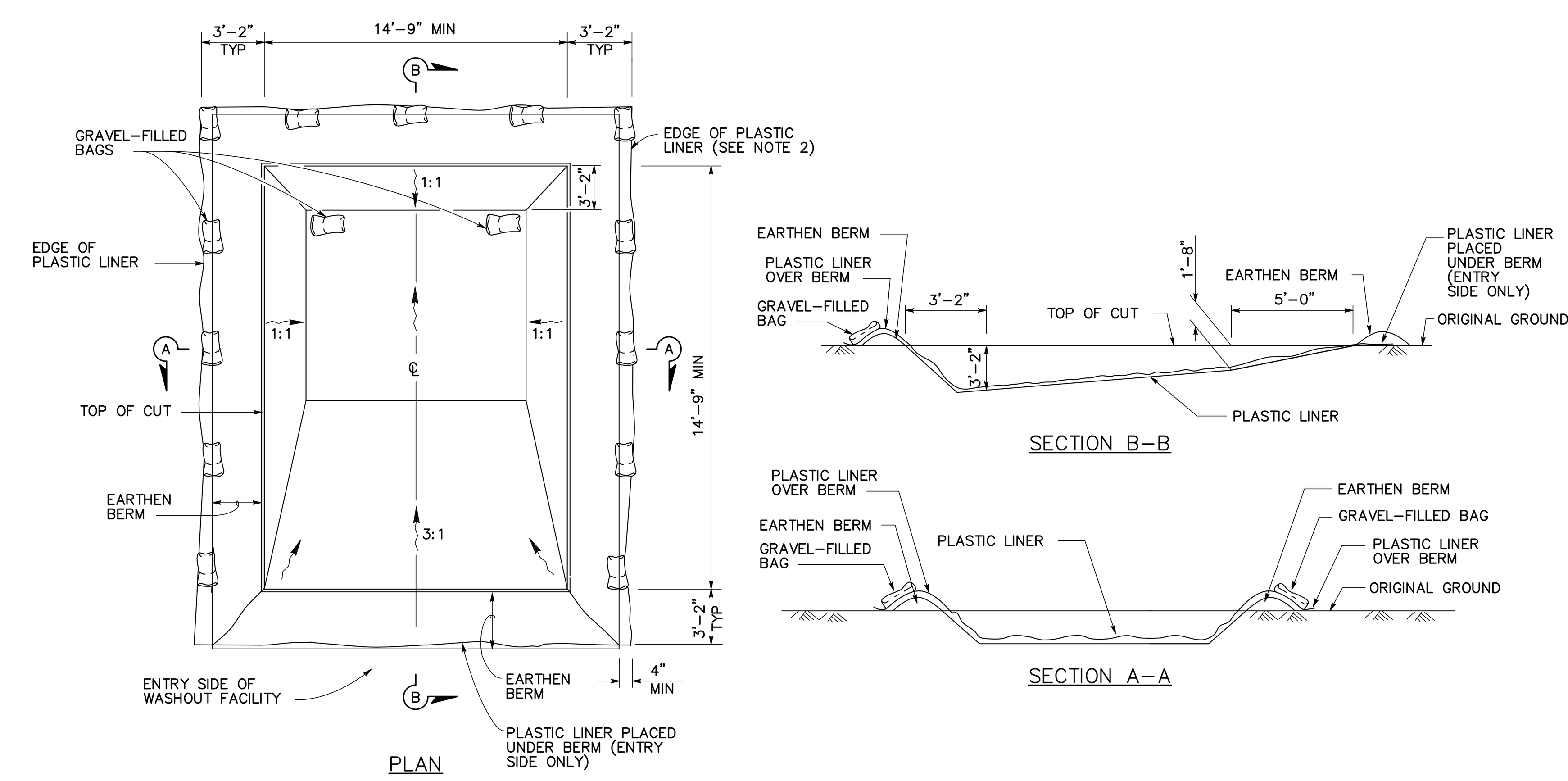
INSPECTION AND MAINTENANCE:

INSPECT CONSTRUCTION ENTRANCES EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES ½-INCHES OR MORE OF PRECIPITATION, OR AFTER HEAVY USE. CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING PERIODS OF WET WEATHER. MAINTENANCE IS REQUIRED MORE FREQUENTLY IN WET WEATHER CONDITIONS. RESHAPE THE STONE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.

WASH OR REPLACE STONES AS NEEDED AND AS DIRECTED BY THE INSPECTOR. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF STONE.

IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN.

REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.



TEMPORARY CONCRETE WASHOUT

NO SCALE

BLUE LINE CONSULTING, LLC
900 N. TRADE AVENUE EXT.
LANDRUM, SC 29356
(864) 884-2158

CORPORATE SEAL: SOUTH CAROLINA, BLUE LINE CONSULTING, NO. C03690, CERTIFICATE OF AUTHORIZATION

ENGINEER SEAL

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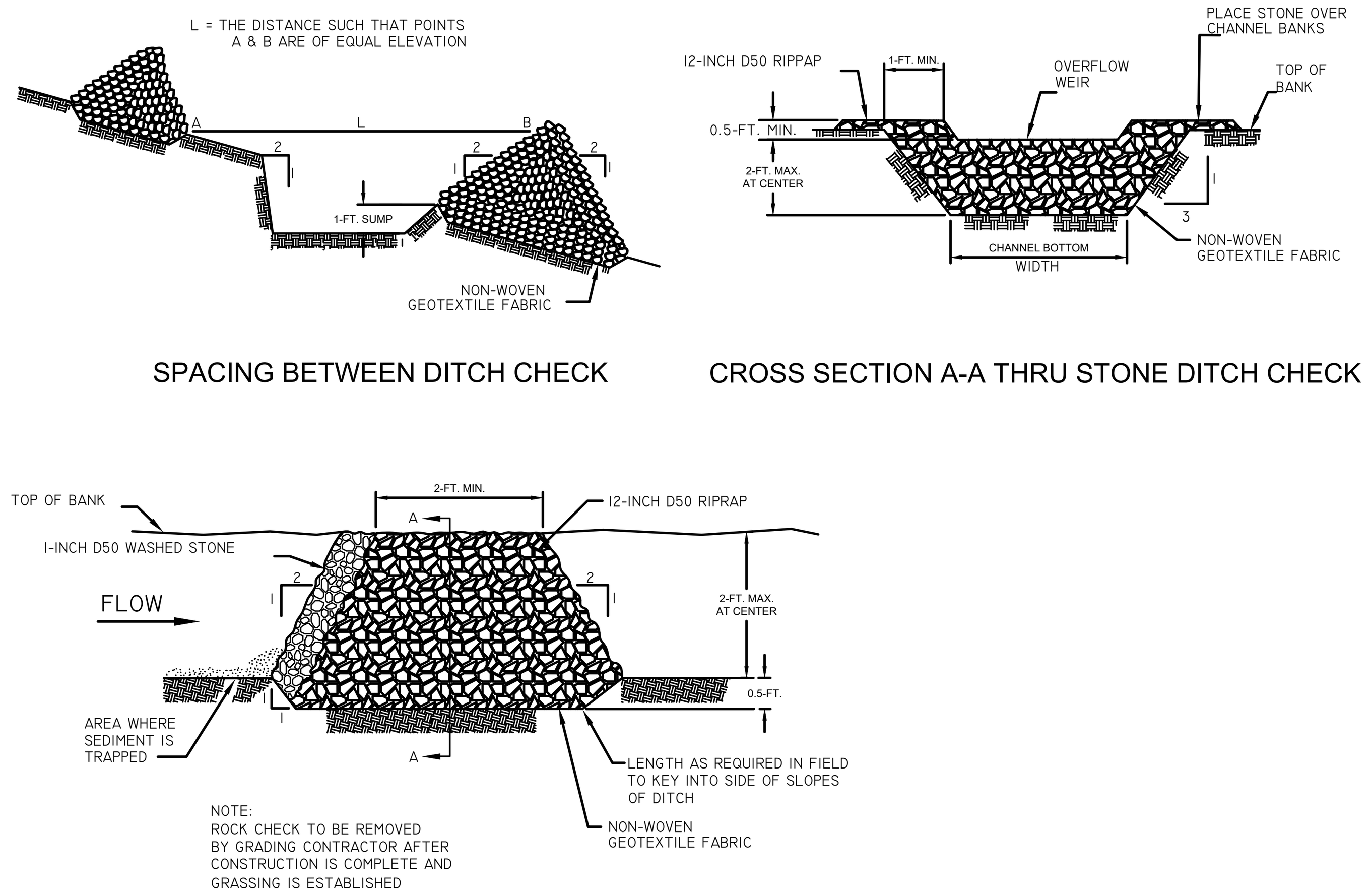
PROJECT: Tom Cat Business Park Final Phase Spartanburg County, South Carolina

SHEET TITLE: Details

SCALE:	NTS	PROJECT NO.	25051
DRAWN:	MEH	SHEET NO.	
DATE:	12-12-2025		

CV-3



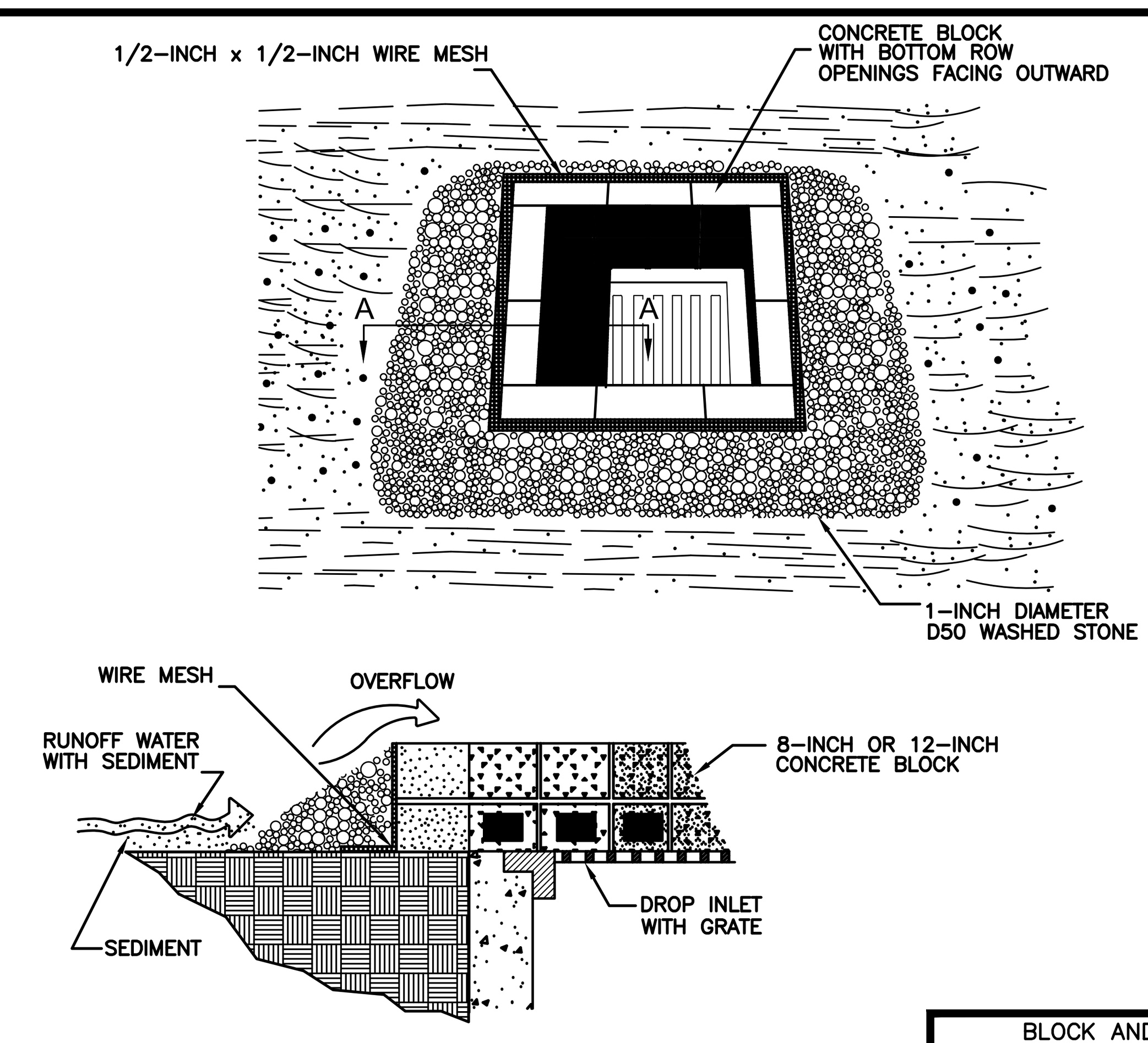
SPACING BETWEEN DITCH CHECK

CROSS SECTION A-A THRU STONE DITCH CHECK

TYPICAL DITCH CHECK SECTION

ROCK DITCH CHECK

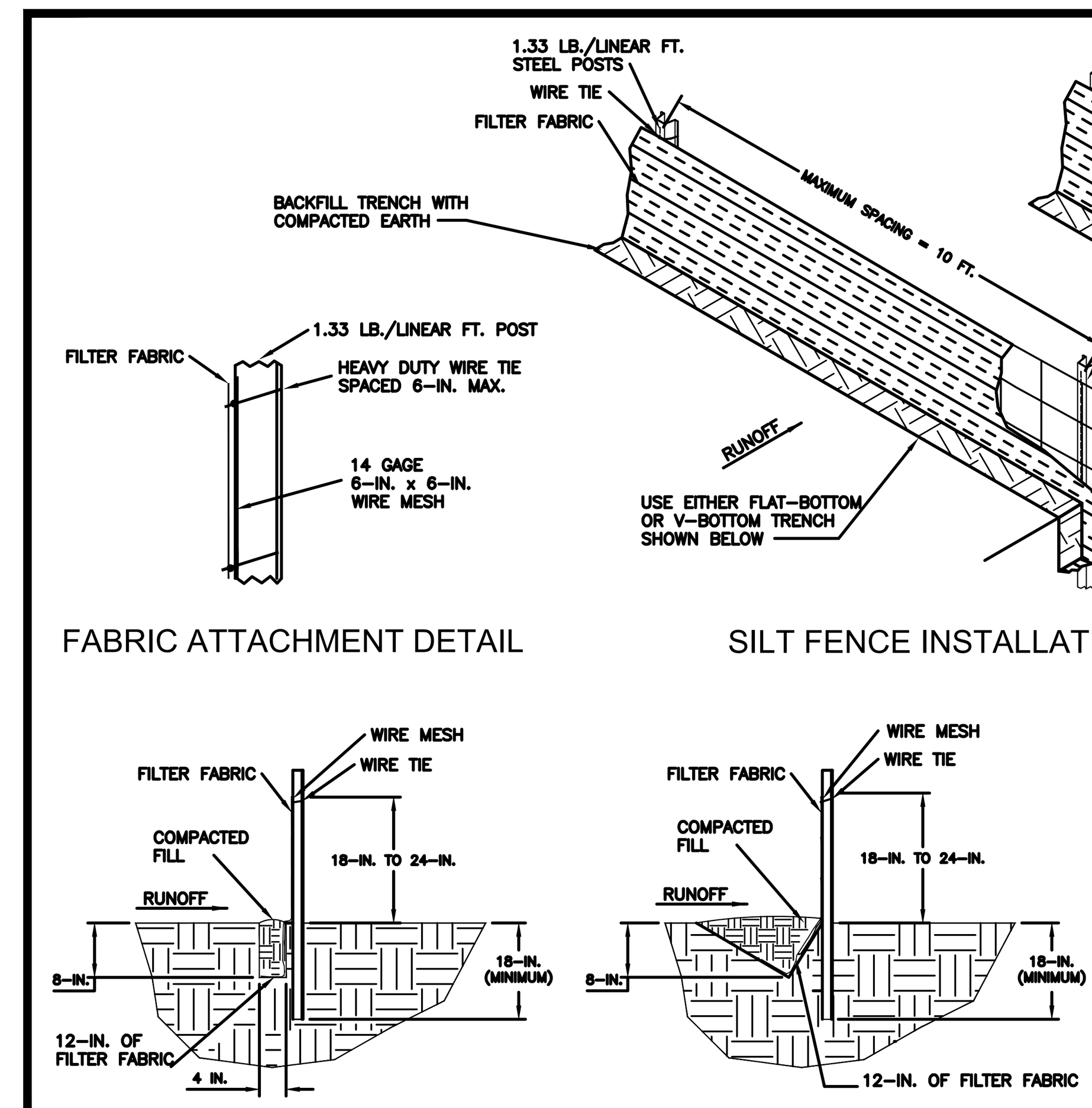
STANDARD DRAWING NO. EC–05 Page 1 of 2



CROSS SECTION A-A

BLOCK AND GRAVEL DROP INLET PROTECTION

STANDARD DRAWING NO. EC–08 Page 1 of 2



FABRIC ATTACHMENT DETAIL

SILT FENCE INSTALLATION

FLAT-BOTTOM TRENCH DETAIL

V-SHAPED TRENCH DETAIL

REINFORCED SILT FENCE

STANDARD DRAWING NO. EC–04 Page 1 of 2

ROCK DITCH CHECK

When and Where to Use It

A rock ditch check should be installed in steeply sloped swales, or in swales where adequate vegetation cannot be established. Rock ditch checks should be used only in small open channels. Rock ditch checks should not be placed in waters of the commonwealth or USGS blue–line streams (unless approved by County, State, or Federal authorities).

Installation:

A non–woven geotextile fabric shall be installed over the soil surface where the rock ditch check is to be placed.

The body of the rock ditch check shall be composed of 12–inch D50 Riprap.

The upstream face of the rock ditch check may be composed of 1–inch D50 washed stone.

Rock ditch checks should not exceed a height of 2–feet at the centerline of the channel.

Rock ditch checks should have a minimum top flow length of 2–feet.

Stone should be placed over the channel banks to prevent water from cutting around the ditch check.

The rock must be placed by hand or mechanical placement (no dumping of rock to form dam) to achieve complete coverage of the ditch or swale and to ensure that the center of the check is lower than the edges.

The maximum spacing between the dams should be such that the toe of the upstream check is at the same elevation as the top of the downstream check.

Inspection and Maintenance:

Inspect rock ditch checks every seven (7) calendar days and within 24–hours after each rainfall event that produces ½–inches or more of precipitation. Inspect for sediment and debris accumulation. Inspect ditch check edges for erosion and repair promptly as required.

Sediment should be removed when it reaches 1/3 the original check height.

In the case of grass–lined ditches and swales, rock ditch checks should be removed when the grass has matured sufficiently to protect the ditch or swale unless the slope of the swale is greater than 4%.

After construction is complete, all stone should be removed by the grading contractor if vegetation will be used for permanent erosion control measures.

The area beneath the rock ditch checks should be seeded and mulched immediately after rock check dam removal.

ROCK DITCH CHECK

STANDARD DRAWING NO. EC–05 Page 2 of 2

BLOCK AND GRAVEL DROP INLET PROTECTION

Installation:

Block and gravel filters can be used where heavy flows and higher velocities are expected and where an overflow capacity is necessary to prevent excessive ponding around the structure.

Gravel shall consist of 1–inch D50 Washed Stone and should extend to height equal to the elevation of the top of the blocks.

Place the bottom row of the concrete blocks lengthwise on their side so that the open end faces outward, not upward.

The height of the barrier can be varied, depending upon design needs by stacking a combination of blocks that are 8– and 12–inches wide.

Wire mesh should be placed over the outside vertical face of the concrete blocks to prevent stones from being washed through the holes in the blocks. Hardware cloth or comparable wire mesh with ½–inch x ½–inch openings should be used.

Inspection and Maintenance:

Inspections should be made every seven (7) calendar days and within 24–hours after each rainfall event that produces ½–inches or more of precipitation. Any needed repairs should be handled immediately.

Sediment should be removed when it reaches approximately 1/3 the height of the blocks. If a sump is used, sediment should be removed when it fills approximately 1/3 the depth of the hole.

If the stone filter becomes clogged with sediment, the stones must be pulled away from the inlet and cleaned or replaced. Since cleaning of gravel at a construction site may be difficult, an alternative approach would be to use the clogged stone as fill and put fresh stone around the inlet.

Storm drain inlet protection structures should be removed only after the disturbed areas are permanently stabilized. Remove all construction material and sediment, and dispose of them properly. Grade the disturbed area to the elevation of the drop inlet structure crest. Stabilize all bare areas immediately.

BLOCK AND GRAVEL DROP INLET PROTECTION

STANDARD DRAWING NO. EC–08 Page 2 of 2

REINFORCED SILT FENCE

Installation:

The fence should be placed across the slope along a line of uniform elevation (perpendicular to the direction of flow). The fence should be located at least 10–feet from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.

A flat–bottom trench approximately 4–inches wide and 8–inches deep, or a V–shaped trench 8–inches deep should be excavated.

Place 12–inches of extra–strength filter fabric (50 pounds / linear inch minimum tensile strength) into the 8–inch deep trench, extending the remaining 4–inches towards the up–slope side of the trench.

Extend the 6–inch by 6–inch 14–gage wire mesh into the trench a minimum depth of 8–inches.

Backfill the trench with soil or gravel and compact.

On the downslope side of the trench, drive the 1.33 lb./linear foot steel posts at least 18–inches into the ground, spacing them no further than 6–feet apart.

Posts should be installed, with 1– to 2–inches of the post protruding above the top of the fabric and no more than 36–inches of the post should protrude above the ground. The minimum fence height (height of filter fabric) above grade shall be 18–inches. The maximum fence height (height of filter fabric) above grade shall be 24–inches.

Filter fabric should be purchased in a continuous roll and cut to the length of the barrier to avoid the use of joints. When joints are necessary, filter fabric should be wrapped together only at a support post with both ends securely fastened to the post, with a minimum 6–inch overlap.

Heavy duty wire ties spaced a maximum of 6–inches apart, should be used to attach the fabric and wire mesh to the steel posts.

REINFORCED SILT FENCE

Inspection and Maintenance:

Inspect silt fence every seven (7) calendar days and within 24–hours after each rainfall event that produces ½–inches or more of precipitation. Check for areas where runoff has eroded a channel beneath the fence, or where the fence was caused to sag or collapse by runoff overtopping the fence.

If the fence fabric tears, begins to decompose, or in any way becomes ineffective, replace the affected section of fence immediately.

Sediment must be removed when it reaches approximately 1/3 the height of the fence, especially if heavy rains are expected.

Reinforced silt fence should be removed within 30 days after final site stabilization is achieved or after temporary BMPs are no longer needed. Trapped sediment should be removed or stabilized on site. Disturbed areas resulting from fence removal shall be permanently stabilized.

REINFORCED SILT FENCE

STANDARD DRAWING NO. EC–04 Page 2 of 2

INSTALLATION:

1. INSTALL SEDIMENT TUBES BY LAYING THEM FLAT ON THE GROUND. CONSTRUCT A SMALL TRENCH TO A DEPTH THAT IS 20% OF THE SEDIMENT TUBE DIAMETER. LAY THE SEDIMENT TUBE IN THE TRENCH AND COMPACT THE UPSTREAM SEDIMENT TUBE SOIL INTERFACE. INSTALL ALL SEDIMENT TUBES SO NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE SEDIMENT TUBE. LAP THE ENDS OF ADJACENT SEDIMENT TUBES A MINIMUM OF 6 INCHES TO PREVENT FLOW AND SEDIMENT FROM PASSING THROUGH THE FIELD JOINT. NEVER STACK SEDIMENT TUBES ON TOP OF ONE ANOTHER.

2. SHOULD SEDIMENT TUBE BECOME DAMAGED DURING INSTALLATION, PLACE A STAKE ON BOTH SIDES OF THE DAMAGED AREA TERMINATING THE TUBE SEGMENT AND INSTALL A NEW TUBE SEGMENT.

3. INSTALL SEDIMENT TUBES USING WOODEN STAKES OR STEEL POSTS (STANDARD "U" OR "T" SECTIONS WITH A MINIMUM WEIGHT OF 1.25 POUNDS PER FOOT) A MINIMUM OF 5 FEET IN LENGTH PLACED ON 2 FOOT CENTERS. INTERTWINE THE STAKES WITH THE OUTER MESH ON THE DOWNSTREAM SIDE, AND DRIVE THE STAKES INTO THE GROUND TO A MINIMUM DEPTH OF 2.0 FEET LEAVING LESS THAN 1 FOOT OF STAKE ABOVE THE EXPOSED SEDIMENT TUBE.

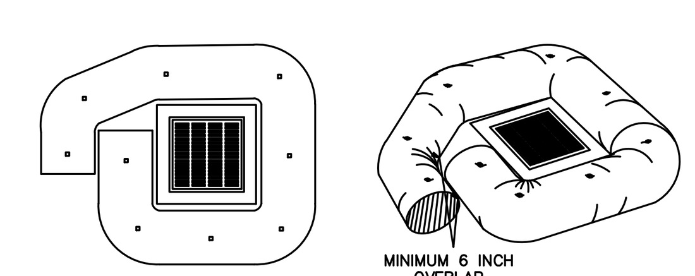
INSPECTION AND MAINTENANCE:

1. INSPECT SEDIMENT TUBES AFTER INSTALLATION FOR GAPS UNDER THE SEDIMENT TUBES AND FOR GAPS BETWEEN THE JOINTS OF ADJACENT ENDS OF SEDIMENT TUBES. REPAIR RILLS, GULLIES, AND ALL UNDERCUTTING NEAR SEDIMENT TUBES. SEDIMENT TUBES WILL ALSO BE INSPECTED EVERY 7 DAYS.

2. REMOVE AND/OR REPLACE INSTALLED SEDIMENT TUBES AS REQUIRED TO ADAPT TO CHANGING CONSTRUCTION SITE CONDITIONS.

3. REMOVE ALL SEDIMENT TUBES FROM THE SITE WHEN THE FUNCTIONAL LONGEVITY IS EXCEEDED AS DETERMINED BY THE ENGINEER, INSPECTOR, OR MANUFACTURER'S REPRESENTATIVE.

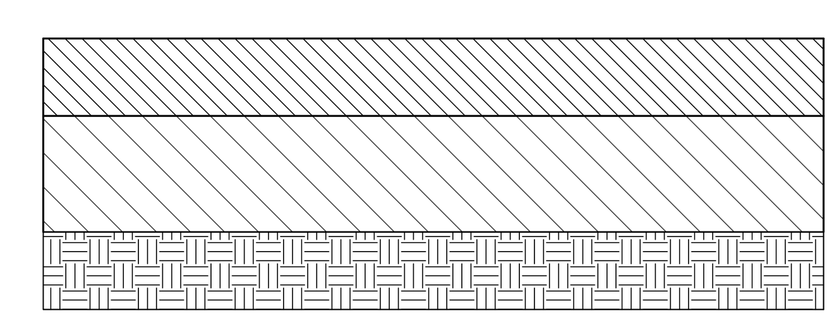
4. DISPOSE OF SEDIMENT TUBES IN REGULAR MEANS AS NON–HAZARDOUS, INERT MATERIAL.



TYPE A
LOW FLOW INLET FILTERS
(SEDIMENT TUBE INLET PROTECTION)

TYPICAL SEDIMENT TUBE INLET FILTER ON ASPHALT TO REPLACE WIRE AND STONE INLET PROTECTION WHEN ASPHALT IS PLACED

NO SCALE



TYPICAL ASPHALT PAVEMENT

NO SCALE

SOUTH CAROLINA BLUE LINE CONSULTING NO. C03690 CERTIFICATE OF AUTHORIZATION
CORPORATE SEAL

SOUTH CAROLINA PROFESSIONAL ENGINEER NO. 26156 ERIK HORTON REGISTERED 12-12-25
ENGINEER SEAL

BLUE LINE CONSULTING, LLC
900 N. TRADE AVENUE EXT.
LANDRUM, SC 29356
(864) 884-2158

NO.	DATE	REVISION
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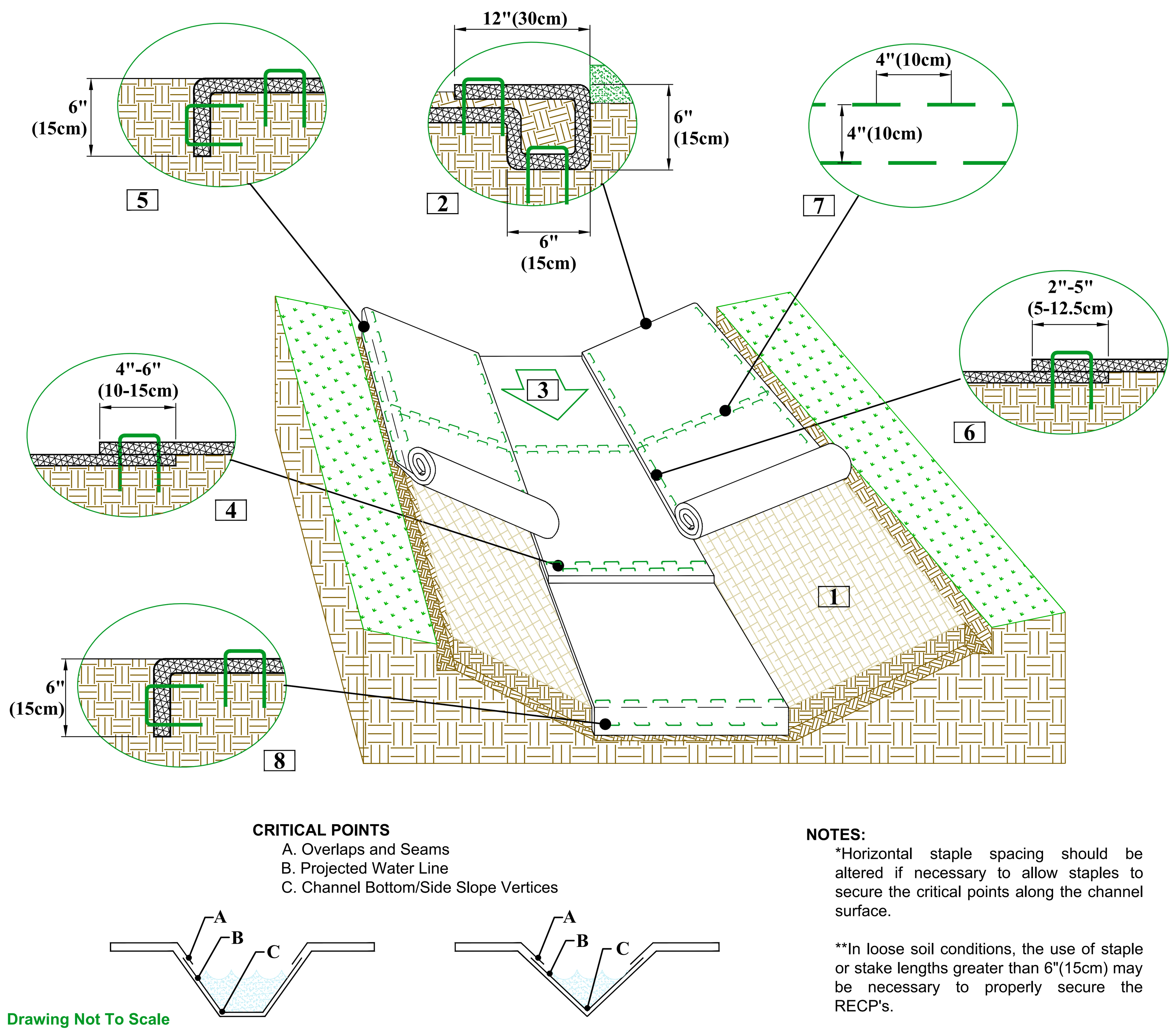
PROJECT:
Tom Cat Business Park
Final Phase
Spartanburg County, South Carolina

SHEET TITLE:
Details

SCALE:	NTS	PROJECT NO.	25051
DRAWN:	MEH	SHEET NO.	
DATE:	12–12–2025		

CV-4



CRITICAL POINTS
A. Overlaps and Seams
B. Projected Water Line
C. Channel Bottom/Side Slope Vertices

NOTES:
*Horizontal staple spacing should be altered if necessary to allow staples to secure the critical points along the channel surface.

**In loose soil conditions, the use of staple or stake lengths greater than 6"(15cm) may be necessary to properly secure the RECP's.

Drawing Not To Scale

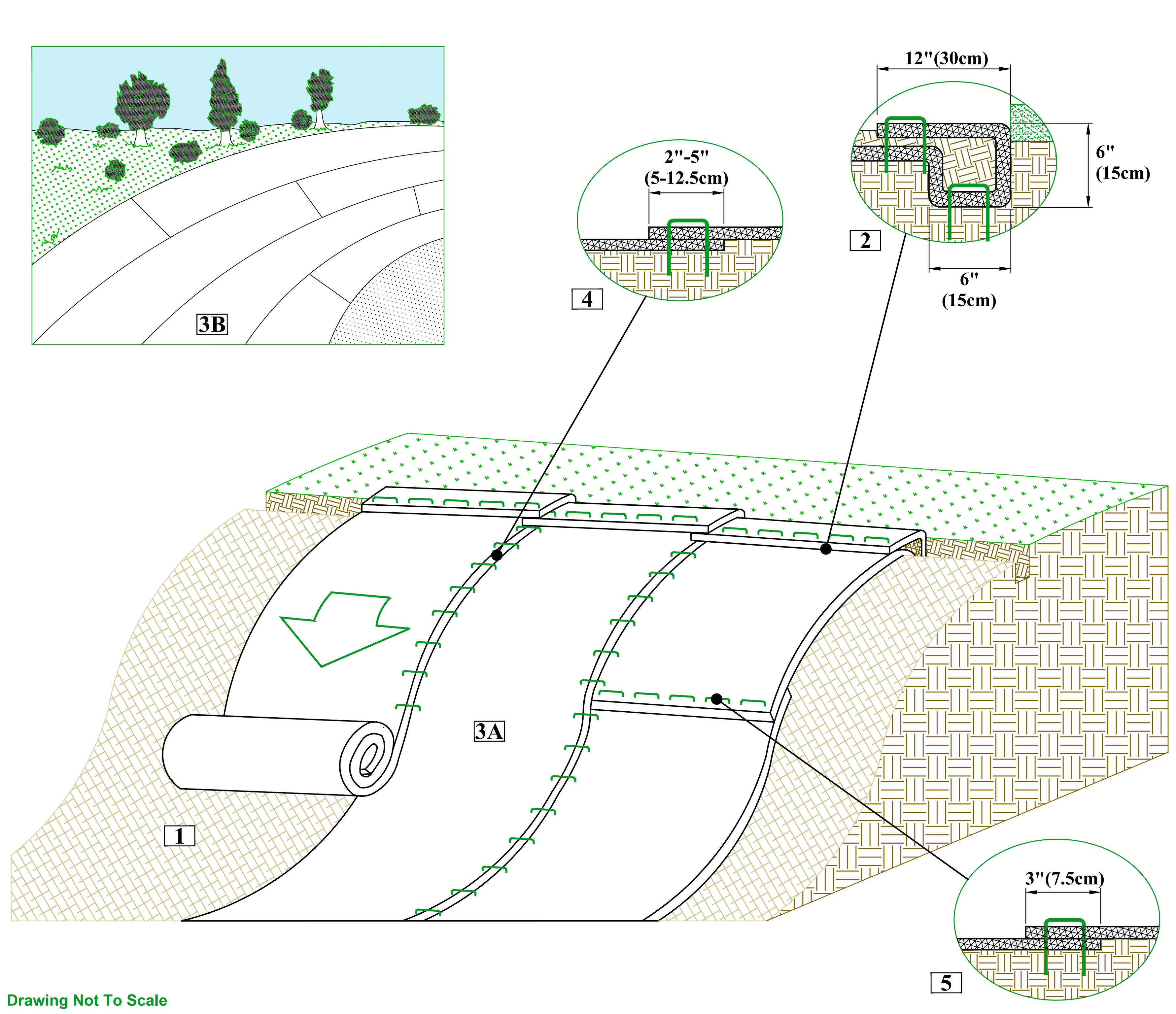
NORTH AMERICAN GREEN
5401 St. Wendel - Cynthiana Rd.
Poseyville, IN 47633
PH: 800-722-2040
www.nagreen.com

Disclaimer:
The information presented herein is general design information only. For specific applications, consult an independent professional for further design guidance.

Drawn on: 5-4-17

CHANNEL INSTALLATION DETAIL

1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the channel by anchoring the RECPs in a 6"(15cm) deep X 6"(15cm) wide trench with approximately 12"(30cm) of RECPs extended beyond the up-slope portion of the trench. Use ShoreMax mat at the channel/culvert outlet as supplemental scour protection as needed. Anchor the RECPs with a row of staples/stakes approximately 12"(30cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12"(30cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes spaced approximately 12" apart across the width of the RECPs.
3. Roll center RECPs in direction of water flow in bottom of channel. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
4. Place consecutive RECPs end-over-end (Shingle style) with a 4"-6" overlap. Use a double row of staples staggered 4" apart and 4" on center to secure RECPs.
5. Full length edge of RECPs at top of side slopes must be anchored with a row of staples/stakes approximately 12"(30cm) apart in a 6"(15cm) deep X 6"(15cm) wide trench. Backfill and compact the trench after stapling.
6. Adjacent RECPs must be overlapped approximately 2"-5" (5-12.5cm) (Depending on RECPs type) and stapled.
7. In high flow channel applications a staple check slot is recommended at 30 to 40 foot (9 -12m) intervals. Use a double row of staples staggered 4"(10cm) apart and 4"(10cm) on center over entire width of the channel.
8. The terminal end of the RECPs must be anchored with a row of staples/stakes approximately 12" (30cm) apart in a 6"(15cm) deep X 6"(15cm) wide trench. Backfill and compact the trench after stapling.



Drawing Not To Scale

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5401 St. Wendel - Cynthiana Rd.
Poseyville, IN 47633
PH: 800-772-2040
www.nagreen.com

Disclaimer:
The information presented herein is general design information only. For specific applications, consult an independent professional for further design guidance.

Drawn on: 5-4-17

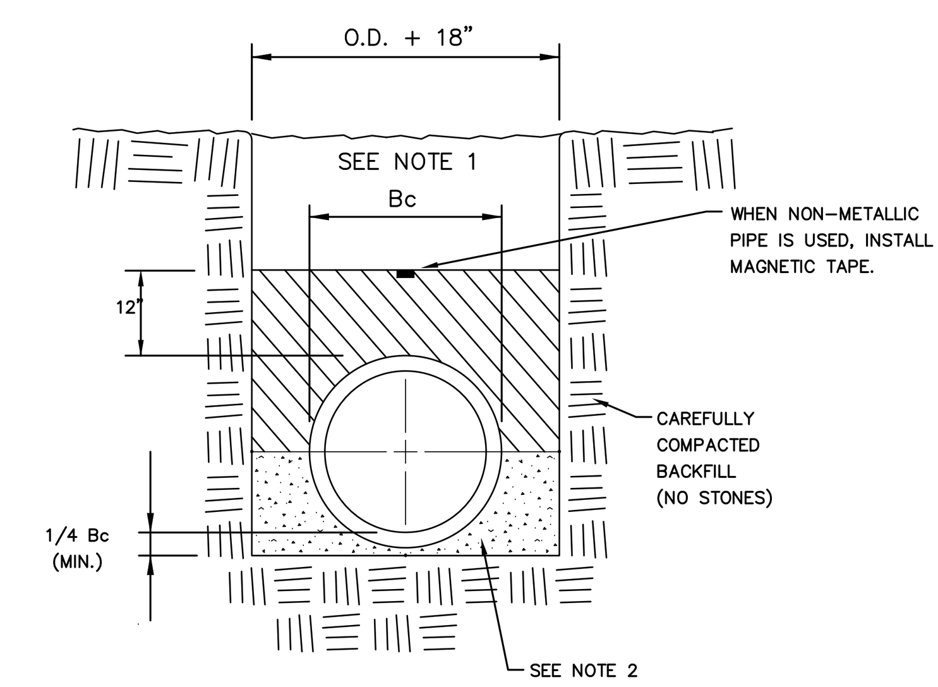
SLOPE INSTALLATION DETAIL

1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed.
2. Begin at the top of the slope by anchoring the RECPs in a 6"(15cm) deep X 6"(15cm) wide trench with approximately 12" (30cm) of RECPs extended beyond the up-slope portion of the trench. Anchor the RECPs with a row of staples/stakes approximately 12" (30cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12"(30cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes spaced approximately 12"(30cm) apart across the width of the RECPs.
3. Roll the RECPs (A) down or (B) horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes in appropriate locations as shown in the staple pattern guide.
4. The edges of parallel RECPs must be stapled with approximately 2" - 5" (5-12.5cm) overlap depending on the RECPs type.
5. Consecutive RECPs spliced down the slope must be end over end (Shingle style) with an approximate 3"(7.5cm) overlap. Staple through overlapped area, approximately 12"(30cm) apart across entire RECPs width.

*NOTE:
In loose soil conditions, the use of staple or stake lengths greater than 6"(15cm) may be necessary to properly secure the RECP's.

SPARTANBURG COUNTY STANDARD NOTES

1. IF NECESSARY, SLOPES THAT EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDRO-SEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. 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 SOON 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.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
4. 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 GRASSING 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 SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
5. 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 OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT AS MAY BE REQUIRED.
7. 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 SCR100000.
8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVER SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. 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 CANNOT 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.
10. 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.
11. 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.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP 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.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
14. 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;
15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
16. 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.
17. 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.
18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S 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.
19. 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.
20. CONTRACTORS ARE REQUIRED TO HAVE RAIN GAUGES AT THE CONSTRUCTION SITE AND THE RAIN TOTALS DOCUMENTED FOR REVIEW BY SPARTANBURG COUNTY AND SCDHEC.
21. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD WITH SPARTANBURG COUNTY AT LEAST 48 HOURS PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES. THE OWNER, DESIGN ENGINEER AND CONTRACTOR MUST BE PRESENT AND HAVE OBTAINED THE STORMWATER PERMIT, STAMPED APPROVED PLANS AND THE NOI APPROVAL LETTER FROM SCDHEC BEFORE CALLING SPARTANBURG COUNTY AT 864-595-5320 TO SCHEDULE THIS MEETING.

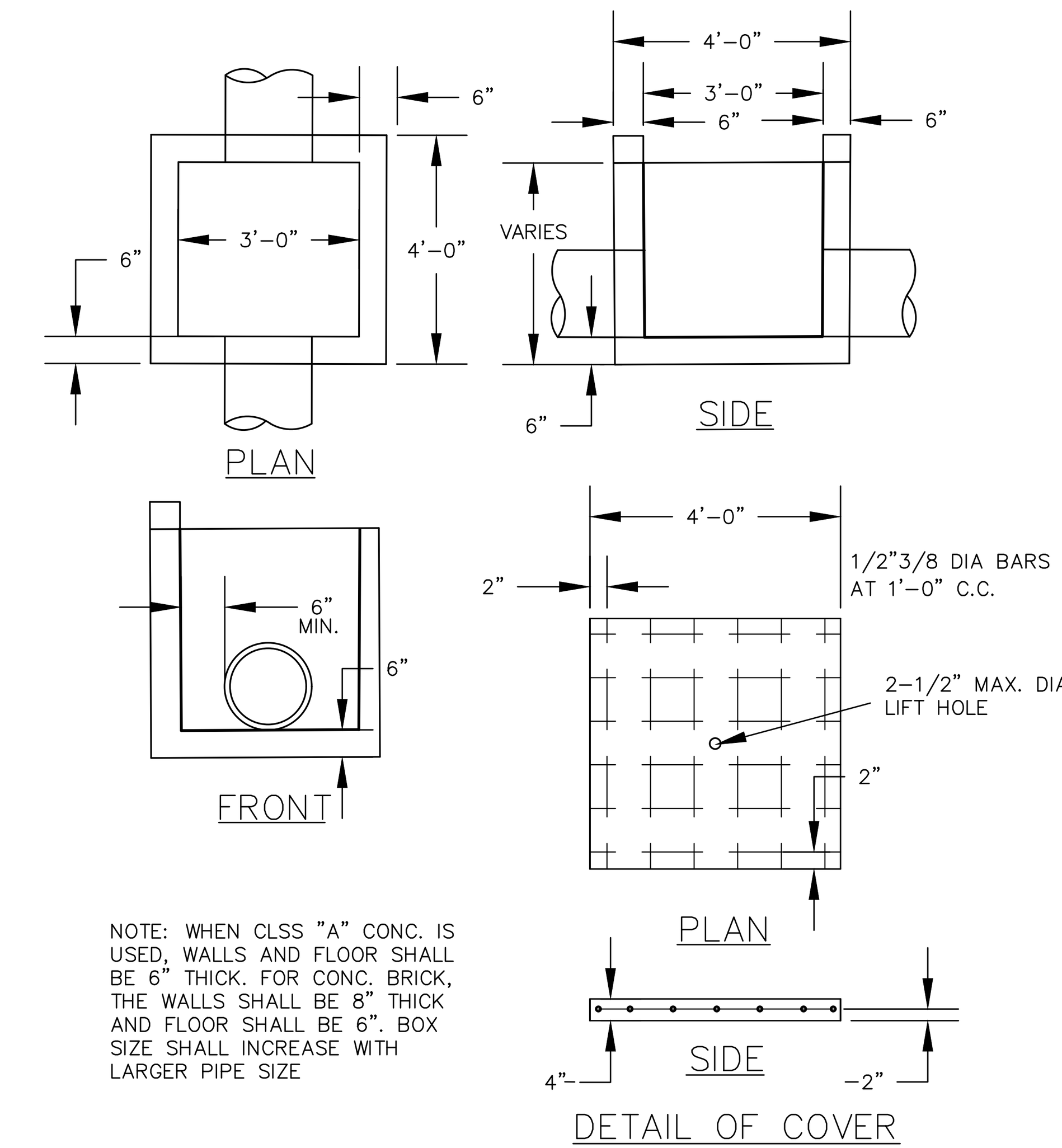


TYPICAL STORM DRAIN PIPE BEDDING

(N.T.S.)

NOTES:
1. INSTALLATION IN PUBLIC R/W REQUIRES COMPACTION OF 90% STANDARD PROCTOR. AFTER INSTALLATION, SURFACE MUST BE TOPSOILED AND GRASSED AS REQUIRED BY REGULATORY AUTHORITY.

2. GRANULAR MATERIAL SHALL BE USED ONLY IN ROCK, WET, OR OTHERWISE UNSUITABLE TRENCH CONDITIONS. UNDER DRY LAYING CONDITIONS, TRENCH BOTTOM BED SHALL CONSIST OF UNDISTURBED EARTH.



NOTE: WHEN CLSS "A" CONC. IS USED, WALLS AND FLOOR SHALL BE 6" THICK. FOR CONC. BRICK, THE WALLS SHALL BE 8" THICK AND FLOOR SHALL BE 6". BOX SIZE SHALL INCREASE WITH LARGER PIPE SIZE

TYPICAL TYPE 9 CATCH BASIN DETAIL

NO SCALE

CORPORATE SEAL

ENGINEER SEAL

BLUE LINE CONSULTING, LLC
900 N. Trade Avenue Ext.
Landrum, SC 29356
(864) 884-2158

NO.	DATE	REVISION
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PROJECT: Tom Cat Business Park
Final Phase
Spartanburg County, South Carolina

SHEET TITLE: Details

SCALE: NTS
PROJECT NO. 25051
DRAWN: MEH
SHEET NO.
DATE: 12-12-2025

CV-5

SEEDING/STABILIZATON NOTES

TEMPORARY STABILIZATION

TEMPORARY STABILIZATION IS DEFINED AS A CONDITION WHERE EXPOSED SOILS OR DISTURBED AREAS ARE PROVIDED A TEMPORARY VEGETATIVE AND/OR NON-VEGETATIVE PROTECTIVE COVER TO PREVENT EROSION AND SEDIMENT LOSS. TEMPORARY STABILIZATION MAY INCLUDE TEMPORARY SEEDING, GEOTEXTILES, MULCHES, AND OTHER TECHNIQUES TO REDUCE OR ELIMINATE EROSION UNTIL EITHER FINAL STABILIZATION CAN BE ACHIEVED OR UNTIL FURTHER CONSTRUCTION ACTIVITIES TAKE PLACE TO RE-DISTURB THIS AREA.

INITIATING TEMPORARY STABILIZATION

INITIATE TEMPORARY STABILIZATION BY MULCH OR TEMPORARY STABILIZATION BY SEEDING WITHIN 7 CALENDAR DAYS WHERE LAND DISTURBING ACTIVITIES HAVE TEMPORARILY CEASED ON THE PROJECT AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. WHERE LAND DISTURBING ACTIVITIES ON A PORTION OF THE PROJECT ARE TEMPORARILY CEASED, AND THE LAND DISTURBING ACTIVITIES ARE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES ARE NOT REQUIRED TO BE INITIATED ON THAT PORTION OF THE PROJECT.

TEMPORARY STABILIZATION BY SEEDING IS REQUIRED IF THE PROJECT WILL NOT BE WORKED FOR A PERIOD LONGER THAN 60 DAYS.

INITIATE TEMPORARY STABILIZATION MEASURES AS SOON AS PRACTICABLE FOR AREAS WHERE INITIATING TEMPORARY STABILIZATION MEASURES WITHIN 7 DAYS IS INFEASIBLE (E.G., WHERE SNOW COVER, FROZEN GROUND, OR DROUGHT CONDITIONS PRECLUDE STABILIZATION).

ACCEPTANCE OF TEMPORARY STABILIZATION

BEFORE ACCEPTANCE OF TEMPORARY STABILIZATION BY THE REGULATORY AGENCY AND THE DESIGN ENGINEER OR LANDSCAPE ARCHITECT, TEMPORARY STABILIZATION IS REQUIRED THAT IS SUFFICIENT TO CONTROL EROSION FOR A GIVEN AREA AND LENGTH OF TIME BEFORE THE NEXT PHASE OF CONSTRUCTION OR THE ESTABLISHMENT OF PERMANENT SEEDING IS TO COMMENCE. A SATISFACTORY STAND OF TEMPORARY STABILIZATION MEETING THE REQUIREMENTS OF THIS SPECIFICATION IS REQUIRED REGARDLESS OF THE TIME OF THE YEAR THE WORK IS PERFORMED.

TEMPORARY COVER BY MULCH

USE TEMPORARY COVER BY MULCH WHERE IT IS NOT FEASIBLE OR PRACTICABLE TO BRING AN AREA TO FINAL SLOPE AND GRADE. FINISH THE SURFACE SO THAT PERMANENT SEEDING CAN BE PERFORMED WITHOUT SUBSEQUENT DISTURBANCE BY ADDITIONAL GRADING.

TEMPORARY COVER BY SEEDING

FOLLOWING THE PREPARATION OF THE SEEDBED, SOW SEED PER THE SEEDING TABLES AND APPLY AN APPROPRIATE MULCH PRIOR TO A RAINFALL EVENT THAT COMPACTS THE SEEDBED. THE CONTRACTOR MAY ADD GRANULAR LIME AND FERTILIZER AS NECESSARY TO ENHANCE GROWTH.

FINAL STABILIZATION

FINAL STABILIZATION IS DEFINED THAT ALL LAND-DISTURBING ACTIVITIES AT THE CONSTRUCTION SITE HAVE BEEN COMPLETED AND THAT ON ALL AREAS NOT COVERED BY PERMANENT STRUCTURES, EITHER

(1) A UNIFORM (E.G., EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) PERMANENT VEGETATIVE COVER WITH A DENSITY OF 70 PERCENT HAS BEEN ESTABLISHED, OR

(2) EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF LANDSCAPING MULCH, RIPRAP, PAVEMENT, AND GRAVEL) HAVE BEEN IMPLEMENTED TO PROVIDE EFFECTIVE COVER FOR EXPOSED PORTIONS OF THE CONSTRUCTION SITE NOT STABILIZED WITH PERMANENT VEGETATION.

FINAL STABILIZATION BY VEGETATION MUST BE ACHIEVED WITH PERMANENT PERENNIAL VEGETATION PRIOR TO ISSUING THE NOTICE OF TERMINATION (NOT).

PERMANENT SEEDING

INITIATE PERMANENT SEEDING WITHIN 7 CALENDAR DAYS WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON THE PROJECT. WHERE LAND DISTURBING ACTIVITIES ARE RESUMED WITHIN 14 DAYS, STABILIZATION MEASURES ARE NOT REQUIRED TO BE INITIATED ON THAT PORTION OF THE PROJECT. INITIATE PERMANENT SEEDING MEASURES AS SOON AS PRACTICABLE FOR AREAS WHERE INITIATING PERMANENT SEEDING MEASURES WITHIN 7 DAYS IS INFEASIBLE (E.G., WHERE SNOW COVER, FROZEN GROUND, OR DROUGHT CONDITIONS PRECLUDE STABILIZATION).

WHEN PERFORMING PERMANENT SEEDING FOR PERMANENT DETENTION PONDS, ENSURE THAT THE DETENTION POND IS CLEANED OF ANY DEPOSITED SEDIMENT AND GRADED TO THE REQUIRED PERMANENT DETENTION BASIN CONFIGURATION. ENSURE THE SEEDBED FOR THE PERMANENT SEEDING IS ESTABLISHED IN ACCORDANCE WITH THIS SPECIFICATION.

ACCEPTANCE OF PERMANENT SEEDING

BEFORE ACCEPTANCE, A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF EACH SQUARE YARD OF THE SEEDED AREA IS REQUIRED. A WELL DEVELOPED ROOT SYSTEM MUST BE ESTABLISHED TO SUFFICIENTLY SURVIVE DRY PERIODS AND WINTER WEATHER AND BE CAPABLE OF REESTABLISHMENT IN THE SPRING.

PERMANENT SEEDING INSTALLATION

FOLLOWING THE PREPARATION OF THE SEEDBED, PERFORM PERMANENT SEEDING PER THE SEEDING TABLES AND APPLY AN APPROPRIATE MULCH WITHIN 5 WORKING DAYS AND/OR PRIOR TO A RAINFALL EVENT THAT COMPACTS THE PREPARED SEEDBED. IF A RAIN EVENT OCCURS THAT COMPACTS OR ERODES THE SEEDBED PRIOR TO PERFORMING PERMANENT SEEDING, THE SEEDBED MUST BE RE-PREPARED PRIOR TO CONDUCTING PERMANENT SEEDING. ADD FERTILIZER AND LIME AS REQUIRED BY A SOIL TEST.

SOD

INITIATE SOD APPLICATIONS WITHIN 7 CALENDAR DAYS WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON THE PROJECT. INITIATE SOD APPLICATIONS MEASURES AS SOON AS PRACTICABLE FOR AREAS WHERE INITIATING SOD APPLICATIONS WITHIN 7 DAYS IS INFEASIBLE (E.G., WHERE SNOW COVER, FROZEN GROUND, OR DROUGHT CONDITIONS PRECLUDE STABILIZATION). USE SOD ON SLOPES LESS THAN 2H:1V.

ACCEPTANCE OF SOD

ACCEPTANCE IS CONTINGENT ON ESTABLISHING A SATISFACTORY STAND OF PERENNIAL GRASS. SOD APPLICATION AREAS ARE ACCEPTABLE WHEN ALL REQUIREMENTS INCLUDING MAINTENANCE ARE MET AND A HEALTHY, EVENLY COLORED, VIABLE STAND OF GRASS IS ESTABLISHED. A SATISFACTORY STAND OF GRASS MUST HAVE A ROOT SYSTEM THAT IS SUFFICIENT TO SURVIVE DRY PERIODS AND WINTER WEATHER AND IS CAPABLE OF RE-ESTABLISHING IN THE SPRING.

DO NOT USE SODDING ON SLOPES STEEPER THAN 2H:1V, AND IF SODDING IS MOWED, DO NOT PLACE ON SLOPES GREATER THAN 3H:1V. INSTALL WARM SEASON SOD BETWEEN MARCH 1ST AND SEPTEMBER 1ST. INSTALL COOL SEASON SOD ANYTIME DURING THE YEAR AS LONG AS THE SOIL IS NOT FROZEN. DO NOT PLACE SOD ON:

- SOIL THAT IS FROZEN AND/OR WHEN THE 10-DAY FORECASTED LOW TEMPERATURE REMAINS BELOW 35 DEGREES FAHRENHEIT;
- SOIL THAT IS EXCESSIVELY WET;
- SOIL THAT IS EXCESSIVELY DRY (PERIODS OF HEAT OR DROUGHT) UNLESS WATERING IS SPECIFIED;
- SOIL THAT IS COMPOSED OF COMPACTED CLAY; AND
- SOIL THAN HAS BEEN TREATED WITH PESTICIDES.

SOD BED PREPARATION

- ENSURE THE SOD BED IS UNIFORM AND CONFORMS TO THE FINISHED GRADE OF THE PROJECT.
- LOOSEN THE SOD BED TO A MINIMUM DEPTH OF 3 INCHES BEFORE PLACING SOD.
- FURNISH AND PLACE TOPSOIL OR COMPOST IN THE SOD BED IN AREAS WHERE THE EXISTING SOD BED HAS LITTLE OR NO TOPSOIL,
- LAY SOD WHEN SOD BED IS MOIST. MOISTEN DRY SOD BEDS BEFORE SOD IS LAID.

SOD MATERIAL

PROVIDE SOD WITH LIVING, WELL-ESTABLISHED GROWTH, WITH A DENSE ROOT MAT OF PREDOMINANT GRASS SPECIFIED. PROVIDE VIGOROUS, WELL ROOTED, HEALTHY TURF, FREE FROM DISEASE, INSECT PESTS, WEEDS, OTHER GRASSES, STONES, AND ANY OTHER HARMFUL OR DETRIMENTAL MATERIALS.

SOD INSTALLATIONS

ENSURE SOD IS NOT INSTALLED UNTIL THE END OF THE PROJECT OR WHEN FINAL STABILIZATION IS ACHIEVED ON ADJACENT AREAS OF THE PROJECT THAT DRAIN OR DISCHARGE TO THE SOD APPLICATION.

AMENDMENTS

LIME

AGRICULTURAL GRANULAR LIME

USE AGRICULTURAL GRADE, STANDARD GROUND LIMESTONE FOR ALL PERMANENT SEEDING APPLICATIONS AND SODDING APPLICATIONS.

APPLYING GRANULAR LIME

A SOIL ANALYSIS IS RECOMMENDED PRIOR TO APPLICATION. APPLY AT A RATE WITHIN ±10% OF WEIGHT RECOMMENDATION OF SOIL ANALYSIS. DO NOT APPLY MORE THAN 2,500 LBS/ACRE OF IN A SINGLE APPLICATION.

FAST ACTING LIME

USE FAST ACTING LIQUID AND/OR DRY FORMS OF LIME FOR ALL TEMPORARY SEEDING AND PERMANENT SEEDING APPLICATIONS.

FERTILIZER

GRANULAR FERTILIZER

USE FOR ALL PERMANENT SEEDING APPLICATIONS AND ALL SODDING APPLICATIONS. PROPER MIXTURE IS DEPENDENT ON THE EXISTING SOIL CONDITIONS AND IT IS RECOMMENDED THAT A SOIL ANALYSIS BE PERFORMED IF THE SOIL CONDITIONS ARE UNCERTAIN IN THE AREA OF FERTILIZER APPLICATION.

USE FERTILIZER THAT INCORPORATES A MINIMUM OF 50% WATER INSOLUBLE (SLOW RELEASE) NITROGEN. ANIMAL BY-PRODUCT OR MUNICIPAL WASTE FERTILIZERS ARE NOT ACCEPTABLE UNDER THIS SPECIFICATION.

UNLESS A SOIL ANALYSIS IS PERFORMED TO DETERMINE OTHERWISE, A GOOD RULE OF THUMB GRANULAR FERTILIZER TO APPLY IN THE UPSTATE OF SOUTH CAROLINA IS 10-10-10. IN NO CASE SHOULD A 20-20-20 FERTILIZER BE USED DUE TO THE POTENTIAL BURNING OF THE SEEDBED.

COMPOST SOIL AMENDMENT

FOR SEEDBEDS THAT HAVE LITTLE OR NO TOPSOIL, ARE HIGHLY ACIDIC, OR ARE LACKING SUFFICIENT NUTRIENTS TO SUSTAIN A HEALTH STAND OF GRASS PLACE, AND MIX CERTIFIED WEED FREE COMPOST INTO THE SEEDBED TO ENSURE A GOOD STAND OF GRASS.

BIOLOGICAL GROWTH STIMULANT

USE FOR ALL PERMANENT SEEDING, SODDING, AND TEMPORARY SEEDING APPLICATIONS. ANIMAL BY-PRODUCTS OR MUNICIPAL WASTE PRODUCTS ARE NOT ACCEPTABLE. LIQUID FERTILIZERS ARE NOT ACCEPTABLE, AND CAN CAUSE BURNING OF THE SEEDBED IF APPLIED AS SUCH.

SEEDING DATES AND RATES OF APPLICATION

PERFORM SEEDING DURING THE PERIODS AND AT THE RATES SPECIFIED IN THE SEEDING TABLES. DO NOT USE TEMPORARY COVER BY SEEDING OR PERMANENT SEEDING FOR PROJECTS WHEN:

- THE GROUND IS FROZEN AND/OR WHEN THE 10-DAY FORECASTED LOW TEMPERATURE REMAINS BELOW 35 DEGREES FAHRENHEIT;
- THE GROUND IS EXCESSIVELY WET; OR
- THE GROUND IS EXCESSIVELY DRY (PERIODS OF DROUGHT) UNLESS WATERING IS SPECIFIED.

DURING PERIODS OF ADVERSE CONDITIONS, USE TEMPORARY COVER BY MULCH.

SEEDBED PREPARATION

- ENSURE THAT THE AREAS RECEIVING PERMANENT SEEDING ARE UNIFORM AND CONFORM TO THE FINISHED GRADE OF THE PROJECT.
- PERFORM MINOR SHAPING AND EVENING OF UNEVEN AND ROUGH AREAS OUTSIDE OF THE GRADED AREA IN ORDER TO PROVIDE FOR MORE EFFECTIVE EROSION CONTROL AND FOR EASE OF SUBSEQUENT MOWING OPERATIONS.
- LOOSEN THE SEEDBED (INCLUDING CUT SLOPES) TO A MINIMUM DEPTH OF THREE (3) INCHES BEFORE INITIATING PERMANENT SEEDING AND TEMPORARY SEEDING.
- AN ACCEPTABLE METHOD OF PREPARING THE SEEDBED ON SLOPES IS VERTICALLY TRACKING THE SEEDBED UP AND SEEDBED UP AND DOWN THE SLOPE WITH PROPER EQUIPMENT.
- REMOVE STONES LARGER THAN TWO AND ONE-HALF (2½) INCHES IN ANY DIMENSION, LARGE DIRT CLODS, ROOTS, OR OTHER DEBRIS BROUGHT TO THE SURFACE.
- USE COMPOST IF GOOD SEEDBED MATERIAL IS NOT LOCATED ON SITE OR RESULTS OF THE SOIL TEST SHOW THE SEEDBED IS EXCESSIVELY NUTRIENT DEFICIENT TO THE EXTENT OF REQUIRING COSTLY FERTILIZER ADDITIONS AND OR HAVE EXCESSIVELY LOW PH VALUES (LOWER THAN 5.0).
- CONSIDER THE USE OF MECHANICAL SEED DRILLS TO PERFORM PERMANENT SEEDING ON AREAS WHERE TEMPORARY SEEDING OR TEMPORARY COVER BY MULCH WAS PREVIOUSLY UTILIZED.

MULCH

REQUIRED FOR ALL PERMANENT SEEDING, TEMPORARY SEEDING, AND TEMPORARY COVER APPLICATIONS. DO NOT USE MULCH IN AREAS WHERE CONCENTRATED FLOW IS EXPECTED. USE HECP MULCH FOR TEMPORARY SEEDING AND TEMPORARY COVER APPLICATIONS WHEN THE APPLICATION AREA WILL REQUIRE ADDITIONAL GRADING PRIOR TO PERMANENT SEEDING. DO NOT USE EROSION CONTROL BLANKETS (ECB) OR TURF REINFORCEMENT MATTING (TRM) IN THIS SITUATION.

WOOD CHIP MULCH

WOOD CHIP MULCH IS NOT ACCEPTABLE FOR SEEDING APPLICATIONS. IF WOOD CHIP MULCH IS USED FOR TEMPORARY COVER BY MULCH, IT MUST BE REMOVED PRIOR TO PERFORMING PERMANENT SEEDING

STRAW OR HAY MULCH WITH TACKIFIER

USE MATERIAL THAT IS CERTIFIED WEED. DO NOT USE ON SLOPES STEEPER THAN 4H:1V. ANCHOR USING ONE OF THE FOLLOWING TACKING AGENTS:

- ORGANIC OR CHEMICAL TACKIFIER
- HYDRAULIC STRAW TACKIFIERS
- EMULSIFIED ASPHALT

APPLYING STRAW OR HAY MULCH

UNIFORMLY APPLY MATERIAL AT THE RATE OF 2,000 POUNDS PER ACRE.

COMPOST MULCH

ONLY USE FROM PRODUCER THAT PARTICIPATES IN THE USCC STA PROGRAM. DO NOT USE MATERIALS THAT HAVE BEEN TREATED WITH CHEMICAL PRESERVATIVES AS A COMPOST MULCH. DO NOT USE MIXED MUNICIPAL SOLID WASTE COMPOST.

HYDRAULIC EROSION CONTROL PRODUCTS (HECPS)

USE AS AN ALLOWABLE MULCH FOR TEMPORARY COVER BY MULCH, TEMPORARY COVER BY SEEDING OR PERMANENT COVER BY SEEDING APPLICATIONS. DO NOT USE AS A CHANNEL LINER OR FOR AREAS RECEIVING CONCENTRATED FLOW.

TEMPORARY EROSION CONTROL BLANKETS (ECB) AND TURF REINFORCEMENT MATTING (TRM)

CONSIDER FOR PERMANENT SEEDING APPLICATION AREAS WITH STEEP SLOPES OR AREAS WHERE THERE IS A SIGNIFICANT EROSION PROBLEM OR POTENTIAL FOR EROSION. USE IN AREAS WHERE CONCENTRATED FLOW IS EXPECTED. DO NOT USE FOR TEMPORARY SEEDING APPLICATIONS WHEN THE APPLICATION AREAS WILL REQUIRE ADDITIONAL GRADING OR MODIFICATIONS PRIOR TO PERMANENT SEEDING.

PROTECTION OF STRUCTURES

COVER ANY PARTS OF BRIDGES, CULVERTS, GUARDRAILS, SIGNS, SIDEWALKS, CURB AND GUTTERS, CATCH BASINS, PIPE ENDS, AND OTHER STRUCTURES AS NECESSARY TO PREVENT DISCOLORATION BEFORE SPRAYING HECPS, ORGANIC OR CHEMICAL TACKIFIERS.

SLOPE INTERRUPTION DEVICES

THE MAXIMUM ALLOWABLE CONTINUOUS SLOPE LENGTH FOR STRAW OR HAY MULCH, HECPS, COMPOST AND ECB APPLICATIONS IS 50 FEET. SLOPE INTERRUPTION DEVICES (SUCH AS SEDIMENT TUBES) OR TRMS ARE REQUIRED FOR CONTINUOUS SLOPE LENGTH LONGER THAN 50 FEET.

INSPECTION

ENSURE THAT ALL SEED, SOD, FAST ACTING LIME, BIOLOGICAL GROWTH STIMULANTS, AGRICULTURAL GRANULAR LIME, GRANULAR FERTILIZER, STRAW AND HAY MULCH, HECPS, COMPOST MULCH, AND ECBS ARE APPLIED AS SPECIFIED. THE DESIGN ENGINEER OR LANDSCAPE ARCHITECT, OR MEMBER OF THE DESIGN ENGINEER OR LANDSCAPE ARCHITECT STAFF MUST DOCUMENT ON-SITE THAT THESE MATERIALS ARE APPLIED CORRECTLY BY COMPLETING AND SIGNING PROPER FORMS.

MAINTENANCE

PERFORM ALL MAINTENANCE NECESSARY TO KEEP STABILIZATION AREAS IN A SATISFACTORY CONDITION UNTIL THE WORK IS FINALLY ACCEPTED. THIS INCLUDES MOWING, REPAIRING AREAS OF EROSION AND WASHES, AND APPLYING ADDITIONAL SEED, FERTILIZER, AND MULCH TO AREAS WHERE A SATISFACTORY STAND OF GRASS HAS NOT BEEN ACHIEVED.

MOWING

MOW ROAD SHOULDERS AND MEDIANS WHEN VEGETATION REACHES A HEIGHT OF APPROXIMATELY 18 TO 24 INCHES. DO NOT PERFORM EXCESSIVE MOWING OF SLOPES RESULTING IN RUTS, FURROWS OR GROOVES. DO NOT PERFORM EXCESSIVE MOWING OF SLOPES THAT INHIBITS THE ESTABLISHMENT OF THE SLOPE VEGETATION.DO NOT PERFORM MOWING WHEN SOIL AND WEATHER CONDITIONS ARE SUCH THAT RUTTING OR OTHER DAMAGE TO THE PROJECT MAY OCCUR.

ENSURE MOWING RESULTS IN A UNIFORM VEGETATION HEIGHT OF 4 TO 6 INCHES, UNLESS OTHERWISE DIRECTED. WHEN UTILIZING A NURSE CROP FOR PERMANENT SEEDING, MOW MILLET (NO LOWER THAN 3 INCHES) ONCE IT REACHES A HEIGHT OF 18 INCHES TO REDUCE COMPETITIVENESS WITH THE PERMANENT VEGETATION. MOW WHEAT AND RYE GRAIN (NO LOWER THAN 3 INCHES) ONCE THEY REACH A HEIGHT OF 6-8 INCHES TO REDUCE COMPETITIVENESS WITH PERMANENT VEGETATION.

SCDES STANDARD NOTES

1. IF NECESSARY, SLOPES THAT EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDRO-SEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. 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 SOON 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.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY, OR INCORRECTLY, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
4. 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 GRASSING 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 SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACVIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT AS MAY BE REQUIRED.
7. 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 SCR100000.
8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVER SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. 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 CANNOT 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.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BULLDING 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.
11. 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.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP 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.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
14. 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;
15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
16. 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.
17. 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.
18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S 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.
19. 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.
20. CONTRACTORS ARE REQUIRED TO HAVE RAIN GAUGES AT THE CONSTRUCTION SITE AND THE RAIN TOTALS DOCUMENTED FOR REVIEW BY SPARTANBURG COUNTY AND SCDES.
21. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD WITH SPARTANBURG COUNTY AT LEAST 48 HOURS PRIOR TO BEGINNING ANY LAND DISTURBANCE ACTIVITIES. THE OWNER, DESIGNER, ENGINEER, AND CONTRACTOR MUST BE PRESENT AND HAVE OBTAINED THE STORMWATER PERMIT, STAMPED APPROVED PLANS AND THE NOI APPROVAL LETTER FOR SCDHEC BEFORE CALLING SPARTANBURG COUNTY AT 864-595-5320 TO SCHEDULE THIS MEETING.

Temporary Seeding - Upstate

Species	lbs./ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Browntop Millet (Alone)	40				■	■	■	■	■				
Browntop Millet (Mix)	10				■	■	■	■	■				
Rye Grain (Alone)	56		■	■						■	■	■	■
Rye Grain (Mix)	10		■	■						■	■	■	■
Rye Grass (Alone)	50									■	■		
Rye Grass (Mix)	8									■	■		
For Steep Slopes/Cut Slopes													
Weeping Lovegrass (Alone)	4				■	■	■	■					
Weeping Lovegrass (Mix)	2				■	■	■	■					

Permanent Seeding - Upstate

Species	Lbs/Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bahia Grass (Alone)	40				■	■	■	■					
Bahia Grass (Mix)	30				■	■	■	■					
Bermuda Grass (hulled) (Alone)	8-12					■	■	■	■				
Bermuda Grass (hulled) (Mix)	4-6					■	■	■	■				
Fescue, Tall (KY31) Alone	40										■	■	■
Fescue, Tall (KY31) mix	20										■	■	■
Sericea Lespedeza (Scarified) Alone or Mix (inoculate with EL Innoculant	40					■	■	■	■				
Ladino Clover (mix only) Innoculate with AB Innoculant	2										■	■	■
For Steep Slopes/Cut Slopes													
Weeping Lovegrass (Alone)	4					■	■	■	■				
Weeping Lovegrass (Mix)	2					■	■	■	■				
Crownvetch (Mix) (Inoculate with Type M Innoculant	8-10				■	■							

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION BLUE LINE CONSULTING NO. C03690
CORPORATE SEAL

SOUTH CAROLINA PROFESSIONAL ENGINEER REGISTERED ERIK HORTON NO 26156 12-12-25
ENGINEER SEAL

BLUE LINE CONSULTING, LLC
900 N. TRADE AVENUE EXT.
LANDRUM, SC 29356
(864) 884-2158

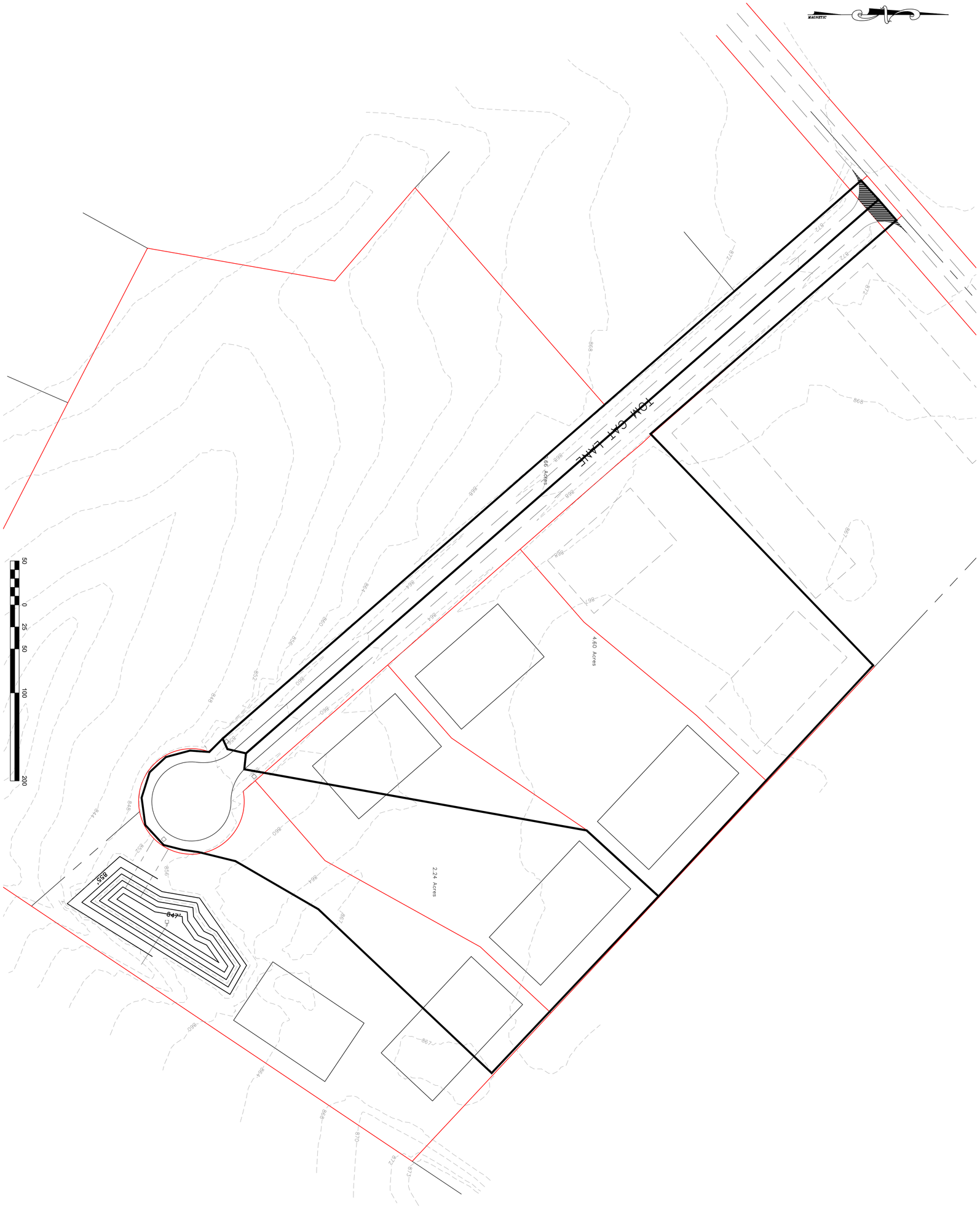
NO.	DATE	REVISION
1		
2		
3		
4		
5		
6		
7		

PROJECT:
Tom Cat Business Park
Final Phase
Spartanburg County, South Carolina

SHEET TITLE:
Details

SCALE:	NTS	PROJECT NO.	25051
DRAWN:	MEH	SHEET NO.	
DATE:	12-12-2025		

CV-6



HD-1

SHEET TITLE:

Inlet Delineations

SCALE:	1"=50'	PROJECT NO.	25051
DRAWN:	MEH	SHEET NO.	
DATE:	12-12-2025		

PROJECT:

Tom Cat Business Park
Final Phase
Spartanburg County, South Carolina

NO.	DATE	REVISION
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BLUE LINE
CONSULTING, LLC
900 N. TRADE AVENUE EXT.
LANDRUM, SC 29356
(864) 884-2158

SOUTH CAROLINA
REGISTERED
NO. 28156
ERIK HORTON
12-12-25
ENGINEER SEAL

SOUTH CAROLINA
BLUE LINE CONSULTING
NO. C03690
CERTIFICATE OF AUTHORIZATION
CORPORATE SEAL