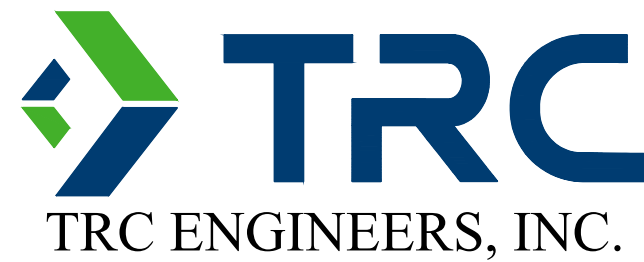


TURPENTINE DESIGN

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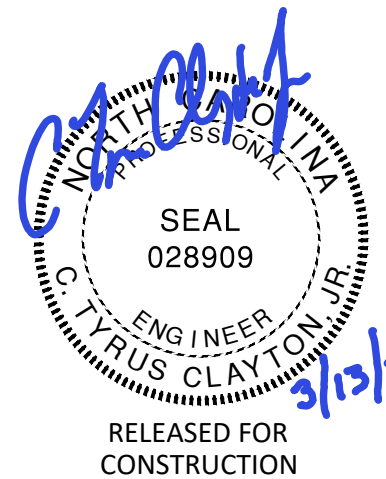


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REVISIONS

09/18/2024	FOR REVIEW
11/05/2024	RESPONSE TO COMMENTS
02/21/2025	GRADING REVISION TO COORDINATE WITH STRUCTURAL

SEALS



JWR VENTURES

NEW BUILDING

JWR VENTURES
192 JARCO DRIVE
FUQUAY–VARINA, NC 27526

OWNER
LEE REVIS

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PHASE	PERMIT SET
DATE	03.02.2026
TD PROJECT #	24–024

DRAWING TITLE

NOTES

DRAWING NUMBER

02.0

CONSTRUCTION SEQUENCE

- SET UP PRE-CONSTRUCTION MEETING.
- INSTALL SILT FENCE AND OTHER PERIMETER CONTROLS.
- SET UP TRAFFIC CONTROL MEASURES AS DENOTED ON THESE PLANS AND IN ACCORDANCE WITH THE MUTCD AND BEGIN CONSTRUCTION.
- INSTALL PIPE CULVERTS AND ADJUST EXISTING UTILITIES AS REQUIRED.
- GRADE SITE AND INSTALL HARDCAPES, PAVING, AND BUILDINGS.
- SEED AND MULCH DENUED AREAS IN ACCORDANCE WITH THE NOTES AND DETAILS IN THESE PLANS AND AS INSPECTOR HAS INSTRUCTED.
- REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE VEGETATIVE COVER HAS BEEN ACHIEVED.

GENERAL NOTES

- THIS PROJECT, AS CURRENTLY DESIGNED, MAY NOT INCLUDE ALL COMPONENTS ADDRESSED IN THE VARIOUS GENERAL NOTES. REVIEW PLANS FOR APPLICABILITY.
- THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM THE LOCAL AND STATE AGENCIES.
- ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND AT HIS EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
- ALL PAVING MATERIALS AND DRAINAGE STRUCTURES SHALL BE BUILT AND INSTALLED IN ACCORDANCE WITH NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
- THE LOCATION OF EXISTING SEWER, WATER OR TELEPHONE LINES, CONDUITS OR OTHER STRUCTURES ACROSS, UNDERNEATH, OR OTHERWISE ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS, AND IF SHOWN ARE ONLY APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES SHOWN ON THE PLANS IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLANS; IF THERE APPEARS TO BE A CONFLICT, OR UPON DISCOVERY OF ANY UTILITY NOT SHOWN ON THE PLANS, FOR ASSISTANCE IN LOCATING EXISTING UTILITIES CALL "NO ONE CALL," DIAL 811.
- WHERE PAVEMENT IS BEING REMOVED, THE CONTRACTOR SHALL REMOVE AGGREGATE BASE MATERIAL TO SUB-GRADE.
- DAMAGE TO UTILITIES (INCLUDING UNDERGROUND) OR PROPERTY OF OTHERS BY CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO PRE-CONSTRUCTION CONDITIONS BY CONTRACTOR AT NO COST TO OWNER.
- EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY CONTRACTOR (WHICH ARE NOT TO BE REMOVED) SHALL BE REPAIRED TO LIKE-NEW CONDITION.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES CAUSED BY FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.
- THE CONTRACTOR SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY INSPECTORS.
- THE CONTRACTOR SHALL NOTIFY ALL APPLICABLE REGULATORY AGENCIES AND THE ENGINEER AT LEAST 24 HOURS PRIOR TO STARTING WORK ON THIS PROJECT.
- UNLESS OTHERWISE NOTED, ALL CONCRETE PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS III.
- ALL EXCAVATION FOR UNDERGROUND PIPE INSTALLATION MUST COMPLY WITH OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY (29 CFR PART 1926).
- VERIFY THE PROPOSED LAYOUT WITH ITS RELATIONSHIP TO THE EXISTING SITE SURVEY. ALSO VERIFY ALL DIMENSIONS, SITE CONDITIONS, AND MATERIAL SPECIFICATIONS AND NOTIFY THE OWNER AND ENGINEER OF ANY ERRORS, OMISSIONS, OR DISCREPANCIES BEFORE COMMENCING OR PROCEEDING WITH WORK.
- DEVIATIONS FROM, OR CHANGES TO THESE PLANS WILL NOT BE ALLOWED.
- MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO THE PLANS IF NECESSARY. THE EXISTENCE AND/OR LOCATION OF UTILITIES SHOWN ON THESE PLANS MAY BE ONLY APPROXIMATELY CORRECT. TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN HEREON AND ANY OTHER EXISTING UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. REPAIR AT YOUR OWN EXPENSE. ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION, IF A UTILITY IS DAMAGED DURING CONSTRUCTION, STOP WORK IMMEDIATELY AND NOTIFY THE ENGINEER AND TOWN.
- PROPERLY SECURE THE CONSTRUCTION AREA AT ALL TIMES AGAINST UNAUTHORIZED ENTRY AND ADEQUATELY PROTECT EQUIPMENT, MATERIALS, AND COMPLETED WORK FROM THEFT AND VANDALISM. THE OWNER IS NOT RESPONSIBLE FOR THE LOSS OF ANY MATERIAL STORED AT THE SITE.

GENERAL CONSTRUCTION AND GEOTECHNICAL NOTES

ENGINEERED FILL

- ALL CONTROLLED FILL ZONES ARE TO BE MONITORED BY A FULL TIME GEOTECHNICAL ENGINEERING SERVICES FIRM.
- ENGINEERED FILLS SHALL BE PROPERLY PLACED ACCORDING TO THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
- ALL SUMMARY REPORTS, IF AVAILABLE FROM THE GEOTECHNICAL ENGINEER REPRESENTING THE PROJECT MUST STATE HIS PROFESSIONAL OPINION ON THE SATISFACTORILY COMPLETED PHASES OF CONSTRUCTION SUCH AS: SLOPE CUTS, SUBDRAINAGE SYSTEMS, PREPARATION OF SUBGRADES AND COMPACTION OF EARTH FILLS.
- NO FILLS SHALL HAVE ZONES THAT EXCEED TWO (2) FEET IN ELEVATION WITHOUT CONDUCTING COMPACTION TEST AND OBTAINING RESULTS OF 95% OR GREATER.
- THE GEOTECHNICAL ENGINEER MUST SUBMIT A DETAILED ANALYSIS, ITEMIZING THE FIELD DENSITY TEST RESULTS. THIS REPORT SHALL BE ACCOMPANIED WITH A COPY OF THE SITE PLAN SHEET AND INDICATE THE TEST LOCATIONS AND ELEVATIONS. THE GEOTECHNICAL ENGINEER MUST PROVIDE ENOUGH DESIGNATED TESTING IN ALL FILL ZONES TO ADEQUATELY EXAMINE AND CERTIFY THE INTEGRITY OF THE FILL.
- THE GEOTECHNICAL ENGINEER MUST SUBMIT A CERTIFIED BUILDING PAD REPORT FOR EACH FILL PAD LOCATION. THIS REPORT SHALL PROFILE THE FILL MATERIAL PLACEMENT AND PROVIDE THE COMPACTION TEST RESULTS. ALL REPORTS WILL BE ACCOMPANIED BY THE SITE PLAN, INDICATING THE TEST LOCATIONS AND ELEVATIONS.
- NO BUILDING PADS IN FILL ZONES WILL HAVE STRATUMS EXCEEDING TWO (2) FEET IN ELEVATION WITHOUT TEST VERIFYING DENSITY.
- THESE GEOTECHNICAL NOTES SHALL IN NO WAY LESSEN THE REQUIREMENTS OF THE SUBMITTED SOILS REPORT.

ROAD SUBGRADE

- INSPECTION AND APPROVAL OF THE SUBGRADE WILL BE REQUIRED PRIOR TO THE PLACEMENT OF THE APPROVED PAVEMENT SECTION MATERIAL.
- ANY CLAY DEPOSITS IN THE TOP TWO FEET OF THE SUBGRADE MUST BE REMOVED OR ADDRESSED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
- SUBGRADE APPROVAL SHALL BE ACCOMPANIED BY THE SUPPORTING DOCUMENTATION VERIFYING DENSITY TEST RESULTS OF 95% OR GREATER.
- THE ENTIRE SUBGRADE WILL HAVE BEEN PROOF-ROLLED IN THE PRESENCE OF THE SITE INSPECTOR AND GEOTECHNICAL REPRESENTATIVE. PROOF-ROLLING SHALL BE A RUBBER TIRE VEHICLE SUCH AS A LOADED TEN (10) TON TRUCK OF APPROVED COMPACTION EQUIPMENT.
- THE FINAL SUBGRADE SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND SITE INSPECTOR BEFORE PLACEMENT OF PAVEMENT SECTION MATERIALS.

TEMPORARY SEEDING SCHEDULE FOR LATE WINTER AND EARLY SPRING

DATES	SPECIES	RATE (LB/ACRE)
JAN 1 - MAY 1	RYE (GRAIN)	120
	KOBE LESPEDEZA	50

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH
APPLY 4000 LB/ACRE SMALL GRAIN STRAW AND TACK WITH ASPHALT.

MAINTENANCE
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

TEMPORARY SEEDING SCHEDULE FOR FALL

DATES	SPECIES	RATE (LB/ACRE)
AUG 15 - DEC 30	RYE (GRAIN)	120

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1000 LB/ACRE 10-10-10 FERTILIZER.

MULCH
APPLY 4000 LB/ACRE SMALL GRAIN STRAW AND TACK WITH ASPHALT.

MAINTENANCE
REPAIR AND REFERTILIZE AND RESEED DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBE LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

PERMANENT SEEDING SCHEDULE FOR GRASS-LINED CHANNELS

DATES	SPECIES	RATE (LB/ACRE)
AUG 15 - OCT 31	TALL FESCUE	200
FEB 1 - APR 15	TALL FESCUE	200

NURSE PLANTS
PRIOR TO MAY 1 OR AFTER AUG 15, ADD 40 LB/ACRE RYE (GRAIN).

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 4,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1000 LB/ACRE 10-10-10 FERTILIZER. OPERATE TILLAGE EQUIPMENT ACROSS THE WATERWAY.

MULCH
USE A ROLLED EROSION CONTROL PRODUCT TO COVER THE BOTTOM OF CHANNELS AND DITCHES AND STAPLE SECURELY. THE LINING SHOULD EXTEND ABOVE THE HIGHEST CALCULATED DEPTH OF FLOW.

MAINTENANCE
INSPECT AND REPAIR MULCH FREQUENTLY. REFERTILIZE IN LATE WINTER OF THE FOLLOWING YEAR. FOLLOW RECOMMENDATIONS OF SOIL TESTS OR USE 1500 LB/ACRE OF 10-10-10. MOW REGULARLY TO A HEIGHT OF 2-4 INCHES.

TEMPORARY SEEDING SCHEDULE FOR SUMMER

DATES	SPECIES	RATE (LB/ACRE)
MAY 1 - APR 15	GERMAN MILLET	40

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH
APPLY 4000 LB/ACRE SMALL GRAIN STRAW AND TACK WITH ASPHALT.

MAINTENANCE
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

NEW STABILIZATION TIMEFRAMES (Effective Aug. 3, 2011)		
SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
Perimeter dikes, swales, ditches, slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in length.
All other areas with slopes flatter than 4:1	14 days	None, except for perimeters and HQW Zones.

NCDOT SPECIFIC NOTES:

SUPPLIER MUST PROVIDE ALL NECESSARY HARDWARE, WALE BEAMS, CAPS, CONTINUOUS FLAT GASKETS, GALVANIZED STEEL TIEBACK RODS WITH DEAD MAN ANCHOR PLATES, ANCHORS, LUGS, INSERTS, ADJUSTABLE TURNBUCKLES AND ALL OTHER MATERIALS NECESSARY TO COMPLETE PROJECT. ALL HARDWARE TO BE HOT DIP GALVANIZED.

MATERIAL QUALITY AND WORKMANSHIP

- BIDDER SHALL BE REQUIRED TO SUPPLY MATERIALS THAT MEET OR EXCEED CURRENT NCDOT SPECIFICATIONS.
- PIPE SHALL BE FULLY WELDED INSIDE AND OUT TO HEADWALLS USING TWO ROOT WELDS AND TWO FINISH WELDS ON EITHER SIDE OF THE WALL. ALL FINISH WELDS ARE SHALL BE GROUND TO A SMOOTH FINISH.
- HEADWALL AND PIPE SHALL BE REINFORCED PER AASHTO SPECIFICATIONS AND STRUCTURAL ENGINEER'S REQUIREMENTS.
- THE CONTINUOUS FLAT GASKET SHALL BE 3/8" THICK X 2FT WIDE AND MADE OF CLOSED CELL NEOPRENE RUBBER WHICH UPON ASSEMBLY PROVIDES A WATERTIGHT SEAL.
- PIPE SECTIONS AND BANDS SHALL BE ASSEMBLED AND ALPHANUMERICALLY ALIGNMENT MATCH-MARKED AT THE PLANT SITE BEFORE SHIPPING TO VERIFY FIT.
- BANDS SHALL BE INSTALLED ONTO THE PIPE SECTIONS PRIOR TO SHIPPING. SAFETY BRACING SHALL BE INCLUDED TO ELIMINATE TIPPING OR FALLING OF THE HEADWALL DURING ASSEMBLY.
- PIPE MANUFACTURER MUST PROVIDE CERTIFICATION OF THE MEASURED DIMENSIONS OF THE PIPE, BANDS AND THE CONTINUOUS FLAT GASKETS. CERTIFICATION MUST STATE THAT THE BANDS AND THE GASKETS HAVE BEEN PRE-FITTED AND WILL SECURELY TIGHTEN AROUND THE SUPPLIED PIPE. CERTIFICATION OF THE DIMENSIONS MUST BE SIGNED BY THE MANUFACTURER'S REPRESENTATIVE AND DATED.

EXAMPLE:
SUPPLIED PIPE MEASURES XX INCHES IN DIAMETER. SUPPLIED BANDS AND THE CONTINUOUS FLAT GASKETS MEASURE XX INCHES IN LENGTH AND WILL SECURELY FASTEN PIPE SECTIONS, WITHOUT FIELD MODIFICATION.

SIGNATURE _____ DATE _____

PRINTED NAME AND TITLE _____

POOR QUALITY OF WORKMANSHIP OF ANY MATERIALS SUPPLIED WILL CONSTITUTE GROUNDS FOR THE MATERIAL BEING REJECTED AND/OR COMPENSATION OF TIME LOST BY NCDOT PERSONNEL FOR THIS PROJECT.

JOB SITE INSTALLATION ASSISTANCE

- MANUFACTURER'S REPRESENTATIVE, WITH AT LEAST TWO (2) YEARS OF EXPERIENCE IN THE INSTALLATION OF THIS TYPE OF STRUCTURE, SHALL PROVIDE TECHNICAL ADVICE WITH ASSEMBLY OF STRUCTURE AND HEADWALLS AS WELL AS BEING ON SITE DURING THE INSTALLATION AND BACKFILLING OF PIPE AND HEADWALLS THROUGH COMPLETION TO PROVIDE ANY ADDITIONAL ADVICE OR INSTRUCTIONS AS NEEDED. MANUFACTURER'S REPRESENTATIVE IS NOT TO BE CONSIDERED A CONTRACTOR AND NCDOT WILL NOT BE LIABLE FOR ANY LABOR HE/SHE MAY PROVIDE.
- NCDOT WILL PROVIDE MANUFACTURER 24 HOURS NOTICE OF INSTALLATION TO ALLOW MANUFACTURER TIME TO HAVE A PERSON ON SITE. FAILURE TO HAVE A REPRESENTATIVE ON SITE COULD RESULT IN DISQUALIFICATION TO BID ON FUTURE PROJECTS.

REQUIRED TOOLS

- MANUFACTURER SHALL SUPPLY ALL NECESSARY HAND/POWER TOOLS TO ASSEMBLY PIPE AND HEADWALLS SUCH AS ELECTRIC IMPACT WRENCHES, DRILLS, BITS, AND SPUD BARS.
- NCDOT WILL PROVIDE POWER GENERATORS AND ANY LARGE EQUIPMENT NEEDED FOR EXCAVATION, BACKFILL, AND LIFTING PIPE ASSEMBLIES.

FINAL DESIGN PLANS

- WITHIN FIVE (5) DAYS AFTER RECEIVING PURCHASE ORDER, BIDDER WILL SUBMIT THREE (3) COPIES OF DETAILED SHOP DRAWINGS, TWO (2) COPIES OF THE SAFETY BRACING PLANS, AND ONE (1) COPY OF DESIGN CALCULATIONS PROVIDED BY AN INDEPENDENT ENGINEERING FIRM THAT ARE STAMPED AND SEALED BY A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER. SUBMIT COPIES TO:

RANDY DAVIS
DIVISION 4 BRIDGE MAINTENANCE
PO BOX 3165
WILSON, NC 27895

VIA DELIVERY SERVICE:
JAMES BOLDEN, PE
STRUCTURES MANAGEMENT UNIT
1581 MAIL SERVICE CENTER

- NOTIFY RANDY DAVIS, NCDOT DIV. 4 BRIDGE ENGINEER (252-236-1460) 24 HRS. PRIOR TO BEGINNING EXCAVATION OF EXISTING CULVERT(S). I WILL OR WILL HAVE A QUALIFIED NCDOT BRIDGE STRUCTURE REPRESENTATIVE VISIT THE SITE AND MAKE SURE THE PROPOSED LAY OUT AND CONSTRUCTION METHODS PROPOSED WILL BE SATISFACTORY.

PERMANENT SEEDING SCHEDULE FOR AREAS OTHER THAN CHANNELS

SPECIES	RATE (LB/ACRE)	SLOPES FLATTER THAN 3:1
TALL FESCUE	100	80
SERICA LESPEDEZA	30	20
KOBE LESPEDEZA	10	10
PENSACOLA BAHIA GRASS	25	NONE

AFTER AUGUST 15 USE UNSCARIFIED SERICEA SEED.

NURSE PLANTS
PRIOR TO MAY 1 OR AFTER AUG 15, ADD 40 LB/ACRE RYE (GRAIN).

SEEDING DATES

FALL:	BEST	POSSIBLE
AUG 25 - SEP 15		AUG 20 - OCT 25
LATE WINTER:	FEB 15 - MAR 21	FEB 1 - APR 15

FALL IS BEST FOR TALL FESCUE AND LATE WINTER FOR LESPEDEZAS. OVERSEEDING OF KOBE LESPEDEZA OVER FALL-SEEDED TALL FESCUE IS VERY EFFECTIVE.

SOIL AMENDMENTS
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 4,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1000 LB/ACRE 10-10-10 FERTILIZER.

MULCH
APPLY 4,000-5,000 LB/ACRE GRAIN STRAW. ANCHOR BY TACKING WITH ASPHALT. ON SLOPE 3:1 OR STEEPER ANCHOR STRAW WITH NETTING.

MAINTENANCE
REFERTILIZE IN THE SECOND YEAR UNLESS GROWTH IS FULLY ADEQUATE. MAY BE MOWED ONCE OR TWICE A YEAR, BUT MOWING IS NOT NECESSARY. REFERTILIZE, RESEED AND MULCH DAMAGED AREAS IMMEDIATELY.

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENT CONTROL DEVICES AS REQUIRED DURING CONSTRUCTION IN ACCORDANCE WITH THE CURRENT EDITION OF THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL MANUAL. ALL DEVICES REFERRED TO IN THESE PLANS CAN BE FOUND IN THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL MANUAL.
- ALL DISTURBED AREAS SHALL BE PERMANENTLY SEEDED AND MULCHED PER THE NCDQE SCHEDULE AFTER REACHING FINAL GRADE. AREAS WHICH HAVE BEEN DISTURBED AND HAVE NOT REACHED FINAL GRADE, BUT WHICH ARE TO REMAIN UNDISTURBED FOR LONGER THAN 14 DAYS ARE TO BE TEMPORARILY SEEDED AND MULCHED PER THE NCDQE SCHEDULE. AS UPSTREAM AREAS ARE STABILIZED WITH PERMANENT GROUND COVER, DOWNSTREAM TEMPORARY DEVICES ARE TO BE REMOVED. CONTRACTOR SHALL FOLLOW THE STABILIZATION TIME TABLE INCLUDED IN THIS SET OF DRAWINGS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERIODICALLY INSPECT ALL SEDIMENT AND EROSION CONTROL DEVICES AND ENSURE THAT THEY ARE IN GOOD WORKING ORDER. AT A MINIMUM, ALL DEVICES SHALL BE INSPECTED DAILY AND AFTER MAJOR RAINFALL EVENTS. ANY DEVICE NEEDING REPAIRS SHALL BE REPAIRED WITHIN 24 HOURS.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES IF DURING THE COURSE OF CONSTRUCTION THE ENGINEER OR NCDQE INSPECTOR DETERMINES THAT THEY ARE REQUIRED.
- SILT SHALL BE REMOVED FROM SILT FENCES WHEN THE SILT REACHES APPROXIMATELY ONE-THIRD (1/3) THE HEIGHT OF THE BARRIER.
- THE CONTRACTOR SHALL PERIODICALLY TOP DRESS THE CONSTRUCTION ENTRANCE WITH CLEAN STONE. IF THE CONSTRUCTION ENTRANCE FAILS TO REMOVE DIRT FROM THE TIRES OF VEHICLES ENTERING A PUBLIC RIGHT-OF-WAY A WASH RACK SHALL BE INSTALLED AND THE TIRES WASHED. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ANY REQUIRED WATER FOR THE WASHING OF TIRES. DIRT TRACKED ONTO THE PUBLIC RIGHT-OF-WAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
- ALL EROSION AND SILTATION MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING.
- ALL STORM AND UTILITY LINES NOT IN STREETS ARE TO BE MULCHED AND SEEDED PER THE NCDQE SCHEDULE AFTER BACKFILL. NO MORE THAN FIVE HUNDRED FEET OF TRENCH IS TO BE OPEN AT ONE TIME.
- ALL TEMPORARY EARTH BERMS, DIVERSIONS, AND SILT DAMS ARE TO BE MULCHED AND SEEDED FOR VEGETATIVE COVER IMMEDIATELY AFTER GRADING. STRAW OR HAY MULCH IS REQUIRED. ADDITIONALLY ALL DIVERSION SWALES WILL BE PROTECTED AGAINST HIGH VELOCITY WITH EROSION CONTROL MEASURES AS DENOTED ON THESE PLANS. THE SAME APPLIES TO STOCKPILES ON SITE AS WELL AS SOIL (INTENTIONALLY) TRANSPORTED FROM THE PROJECT SITE.
- ANY DISTURBED AREA NOT PAVED, SODDED, OR BUILT UPON, IS TO BE SEEDED PER THE TEMPORARY AND PERMANENT SEEDING SCHEDULE IN THESE DRAWINGS. MODIFY AS APPLICABLE DEPENDING ON PROPOSED TIME OF CONSTRUCTION.
- CONTRACTOR STAGING AREA(S) SHALL BE RETURNED TO BETTER THAN ORIGINAL CONDITIONS AT THE COMPLETION OF THE WORK.
- ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
- A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO ISSUANCE OF A LAND DISTURBANCE PERMIT. THE CONTRACTOR SHALL SCHEDULE THE MEETING WITH THE NCDQE INSPECTOR ASSIGNED TO THE PROJECT.
- ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF NCDQE EROSION AND SEDIMENT CONTROL MANUAL AND THE NORTH CAROLINA SEDIMENTATION POLLUTION CONTROL ACT OF 1973.
- AS A CONDITION OF NPDES PERMIT NO. NCG 010000, PERMANENT GROUND COVER SHOULD BE PROVIDED FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING THE COMPLETION OF CONSTRUCTION OR DEVELOPMENT.

EROSION CONTROL NARRATIVE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE DEVELOPMENT AND CONSTRUCTION OF A MANUFACTURING BUILDING AND ASSOCIATED LOADING DOCK AND PARKING AREA.

EXISTING CONDITIONS

THE EXISTING SITE IS A VACANT SITE WITHIN AN EXISTING DEVELOPED INDUSTRIAL SUBDISICION THAT IS BEING USED FOR OVERFLOW PARKING FOR AN ADJACENT LOT. THE SITE DRAINS TO THE NORTH TO THE ESITING ROAD SIDE DITCH AND TO THE SOUTH TO AN ADJACENT WOODED AREA.

DEVELOPMENT IMPACTS

THE DEVELOPMENT IMPACTS TO THE TOPOGRAPHY, SOILS, HYDROLOGY, AND GEOLOGY WILL BE MINOR.

SOILS

THE SITE SOIL IS A DOTHAN LOAMY SAND.

CRITICAL EROSION AREAS

- CARE MUST BE TAKEN TO PREVENT SEDIMENT FROM BEING TRACKED ONTO ADJACENT ROADWAYS.
- CARE MUST BE TAKEN TO PREVENT SEDIMENT FROM EXITING THE PROJECT SITE AREA.
- CARE MUST BE TAKEN TO PREVENT SEDIMENT FROM ENTERING ANY WATER WAY OR DRAINAGE WAYS.

STOCKPILING

TOPSOIL STOCKPILING IS ANTICIPATED ON-SITE.

STRUCTURAL PRACTICES

SILT FENCE
SILT FENCE OUTLETS
CULVERT OUTLET PROTECTION

VEGETATIVE PRACTICES

TOPSOILING
TEMPORARY SEEDING
PERMANENT SEEDING
MULCHING

MANAGEMENT STRATEGIES

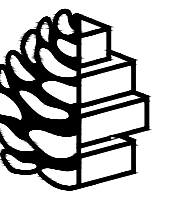
- THE SILT FENCE BARRIER WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES ONE-THIRD (1/3) THE HEIGHT OF THE BARRIER.
- CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
- SEDIMENT TRAPPING MEASURES WILL BE INSTALLED AS A FIRST STEP IN GRADING.
- THE JOB SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.
- AFTER ACHIEVING ADEQUATE STABILIZATION AND UPON APPROVAL OF THE NCDQE INSPECTOR, THE TEMPORARY E&S CONTROLS WILL BE CLEANED UP AND REMOVED.

PERMANENT STABILIZATION

THE DISTURBED AREAS WILL BE PERMANENTLY STABILIZED THROUGH THE USE OF PERMANENT SEEDING AND CULVERT OUTLET PROTECTION.

GENERAL UTILITY NOTES

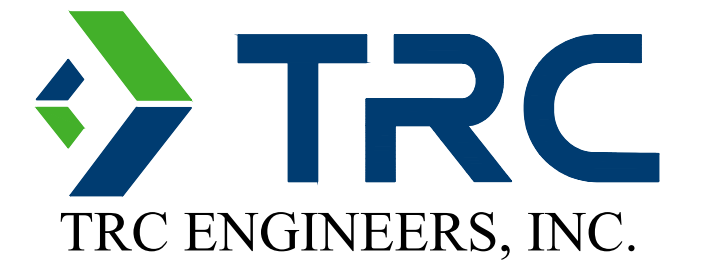
- THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA; EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES ARE IN THE EXACT LOCATION AS INDICATED. ALTHOUGH, HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION SO THAT CONTRACTOR IS FAMILIAR AND UNDERSTANDS EXISTING CONDITIONS.
- FIELD CHANGES MAY BE NECESSARY DUE TO EXISTING UTILITY LOCATIONS. THE ENGINEER SHALL BE CONTACTED BEFORE MAKING THESE CHANGES.



TURPENTINE DESIGN

1007 Procure Street
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114 Edinburgh South Drive, Suite 200
Cary, NC 27511
919-873-1050 Fax: 919-873-1074
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EXISTING CONDITIONS LEGEND

TITLE	SYMBOL
PROPERTY LINE	---
CONTOUR MAJOR	--- XXX' ---
CONTOUR MINOR	--- XXX' ---
SETBACK LINE	---
BUFFER LINE	---
TREE LINE	~ ~ ~
EDGE OF PAVEMENT	///
GRAVEL PAVING	[Hatched Pattern]
UNDERGROUND ELECTRIC	--- UGE ---
UNDERGROUND COMMUNICATION	--- UGC ---
WATER	--- W ---
STORM PIPE	--- S ---
DITCH CL	--- D ---
FIRE HYDRANT	●
WATER METER	○
COMMUNICATIONS PEDESTAL	○

NOTE:
1. EXISTING INFORMATION IS SHOWN FROM SURVEY BY ECLS GLOBAL, INC. DATED 06/26/2024

REVISIONS

DATE	DESCRIPTION
09/18/2024	FOR REVIEW
11/05/2024	RESPONSE TO COMMENTS
02/21/2025	GRADING REVISION TO COORDINATE WITH STRUCTURAL

SEALS



JWR VENTURES

NEW BUILDING

JWR VENTURES
192 JARCO DRIVE
FUQUAY-VARINA, NC 27526

OWNER
LEE REVIS

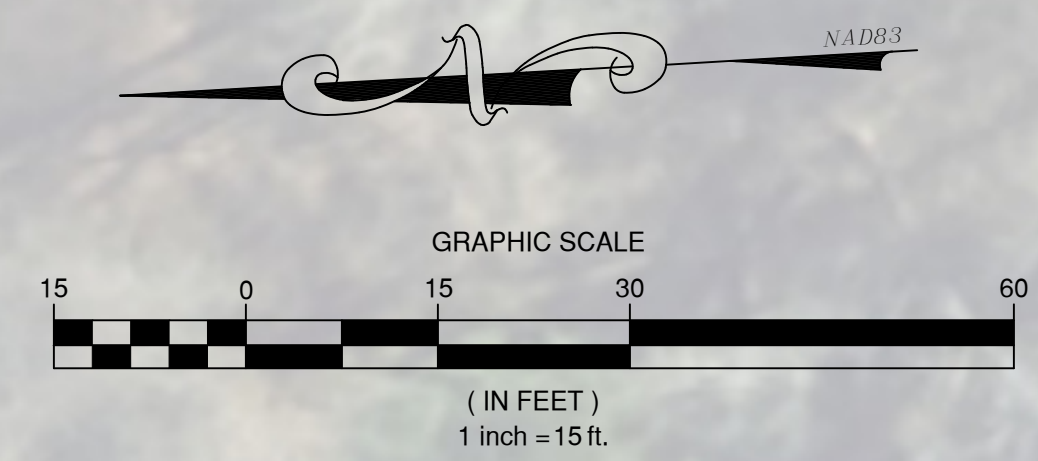
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PHASE	PERMIT SET
DATE	03.02.2026
TD PROJECT #	24-024

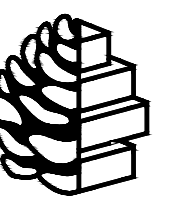
DRAWING TITLE
EXISTING CONDITIONS AND DEMOLITION PLAN

DRAWING NUMBER

C3.0



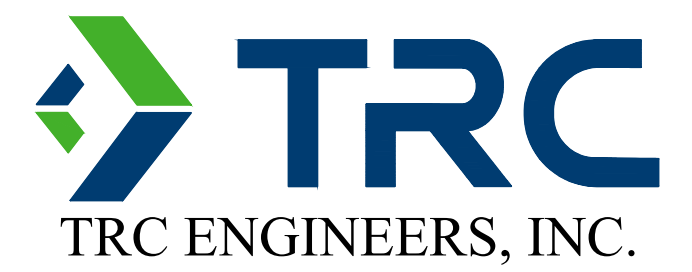
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EROSION & SEDIMENT CONTROL LEGEND

TITLE	KEY	SYMBOL
LIMITS OF DISTURBANCE	-	— LOD —
SILT FENCE	(SF)	— X — X —
SILT FENCE/TREE PROTECTION FENCE	(TP)	— □ — □ —
TEMPORARY STONE CONSTRUCTION ENTRANCE	(CE)	[Stippled pattern]
CULVERT INLET PROTECTION	(CIP)	[Hatched pattern]
CULVERT OUTLET PROTECTION	(OP)	[Stippled pattern]
TEMPORARY SEEDING	(TS)	← (TS) →
PERMANENT SEEDING	(PS)	← (PS) →
PERMANENT SEEDING	(PS)	— (PS) —

NOTE:

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AREA TO REMAIN UNDISTURBED TO MAINTAIN BUFFER TYPE "B" OPTION 2 PER UDO 9.1.8.C.3 ; E. BERM

AREA TO NOT BE DISTURBED FOR SEPTIC FIELD INSTALLATION

REVISIONS

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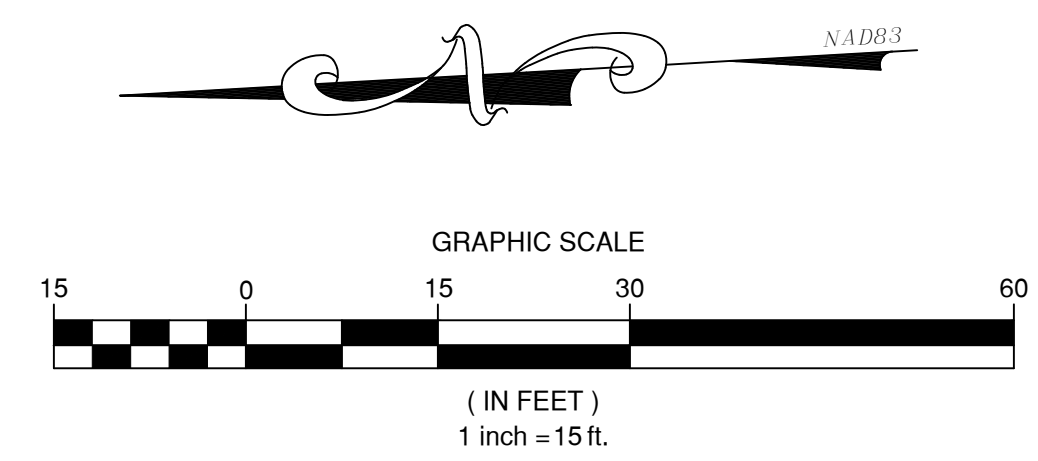
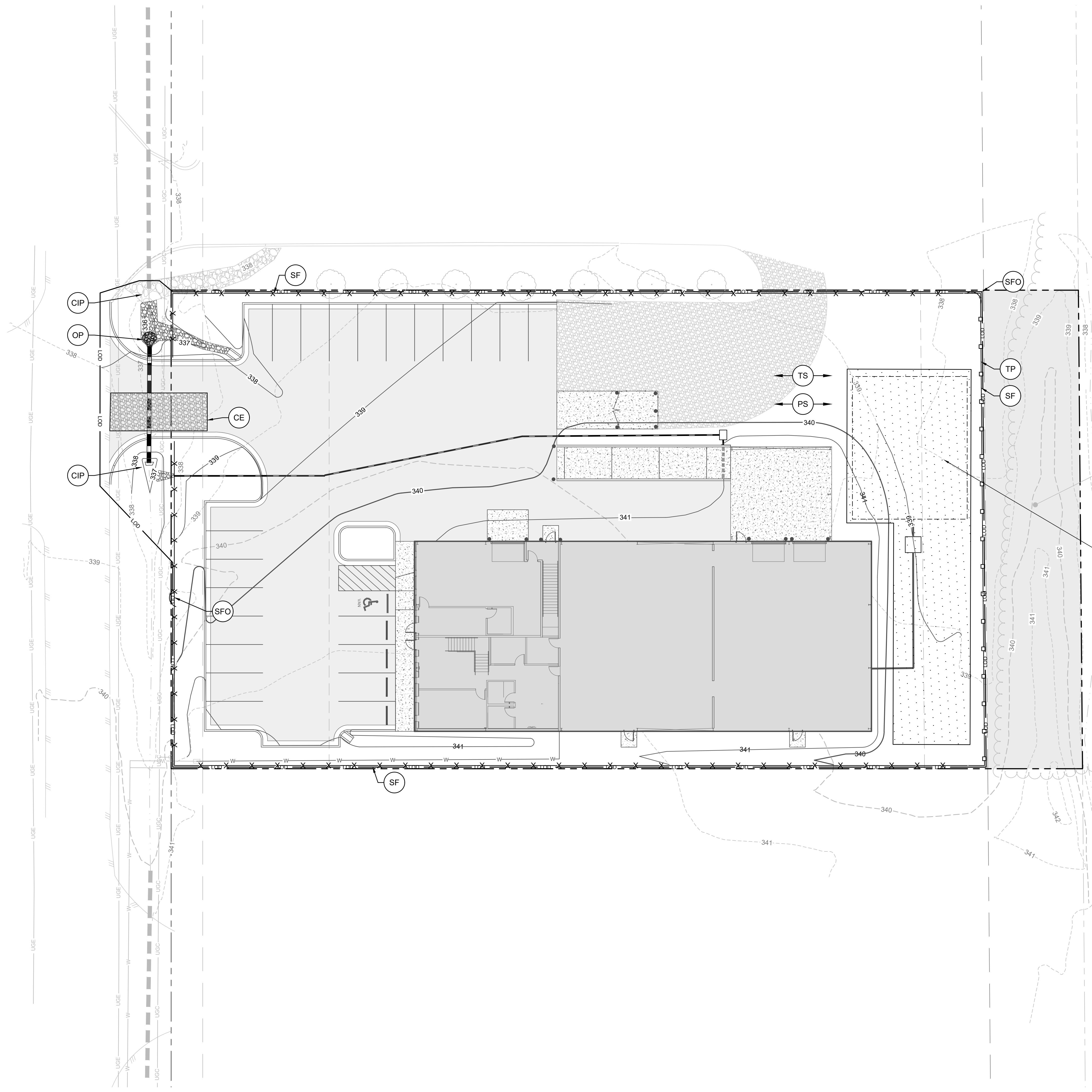
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PHASE	PERMIT SET
DATE	03.02.2026
TD PROJECT #	24-024

DRAWING TITLE
EROSION & SEDIMENT CONTROL PLAN

DRAWING NUMBER

C4.0



C:\Users\jclayton\OneDrive\Documents\Projects\2024\03\24-024\EROSION & SEDIMENT CONTROL PLAN.dwg, March 2, 2025, 3:05:55 PM

PROJECT INFORMATION

NAME OF PROJECT: JARCO DRIVE
 PROJECT NUMBER: 622705
 SITE ADDRESS: 192 JARCO DR
 FUQUAY VARINA, NC 27526
 BUSINESS NAME: JWR VENTURES, LLC
 ENGINEER: C. TYRUS CLAYTON, P.E.
 TRC ENGINEERS, INC.
 114 EDINBURGH SOUTH DRIVE,
 SUITE 200
 CARY, NC 27511
 919-827-0864

OWNER/DEVELOPER: JWR VENTURES, LLC
 812 E CARNIVAL DR
 FUQUAY VARINA, NC 27526
 SOURCE OF SURVEY: ECLS GLOBAL
 DATED 06/26/2024
 JURISDICTION: HARNETT COUNTY
 0654-67-6782 DB 3405 PG 228, PB
 2008 PG 217
 (LOT 3)
 1.00 AC
 INDUSTRIAL
 *SITE IS WITHIN ONE MILE OF A
 VOLUNTARY AGRICULTURAL
 DISTRICT*

SETBACKS: FLOOD ZONE CLASS
 RIVER BASIN:
 WATERSHED:
 PROTECTED WATERSHED
 EXISTING IMPERVIOUS:
 INCREASE IN IMPERVIOUS AREA:
 LIMITS OF DISTURBANCE:
 PRESENT USE:
 PROPOSED USE:
 UTILITY PROVIDERS:
 FRONT:
 SANITARY:
 ELECTRIC:
 TELEPHONE:

FRONT 50', REAR 25', SIDE 10'
 ZONE X
 CAPE FEAR
 SITE IS WITHIN WS-IV-P
 6,562 FT² (0.151 AC)
 20,467 FT² (0.47 AC)
 40,177 FT² (0.92 AC)
 OVERFLOW PARKING
 MANUFACTURING/DISTRIBUTION
 HARNETT REGIONAL WATER
 ONSITE SEPTIC
 DUKE ENERGY
 CENTURY LINK

N/F
 JWR VENTURES LLC
 D.B. 2489, PG. 0708
 PIN: 0654-67-8731.000
 ZONING: IND

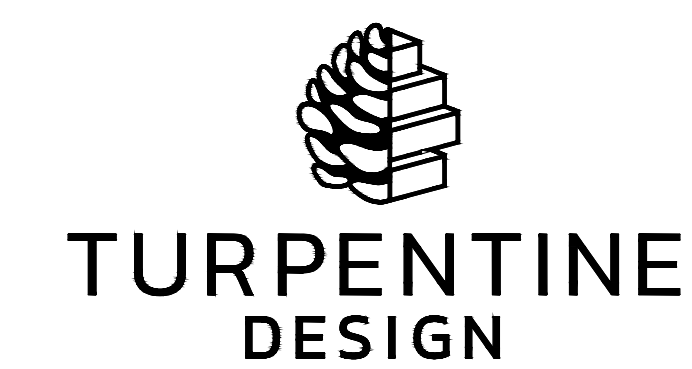
SITE PLAN & UTILITY LEGEND

TITLE	SYMBOL
SEWER LINE	—S—
SEWER CLEANOUT	●
WATER LINE	—W—
WATER METER	⊙
WATER VALVE	⊕
FIRE HYDRANT	⊕
UNDERGROUND ELECTRIC LINE	—UGE—

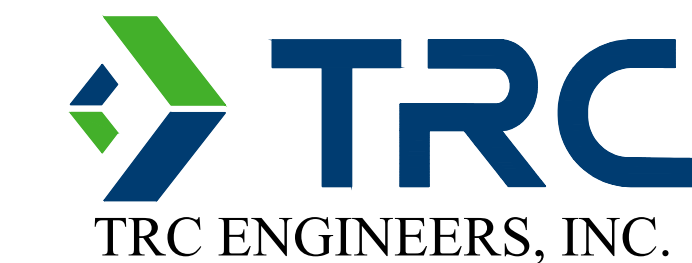
LANDSCAPE LEGEND

NOTE: PLANT SPECIES TO BE PICKED FROM APPROVED HARNETT COUNTY LIST

TITLE	SYMBOL
EXISTING TREE TO REMAIN (APPROX LOC)	⊙
PROPOSED TREE	⊙*
PROPOSED SHRUB	⊙*



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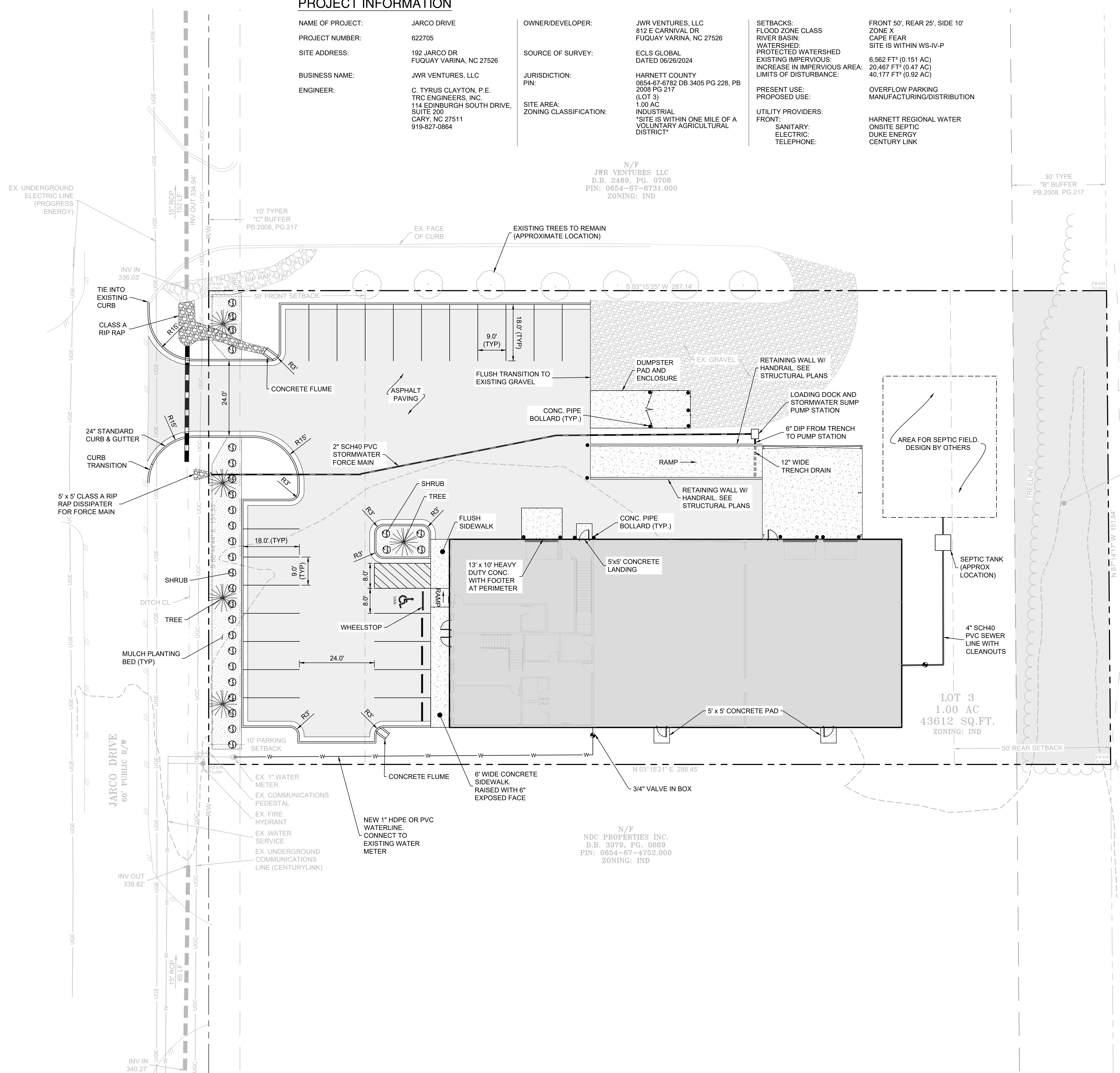
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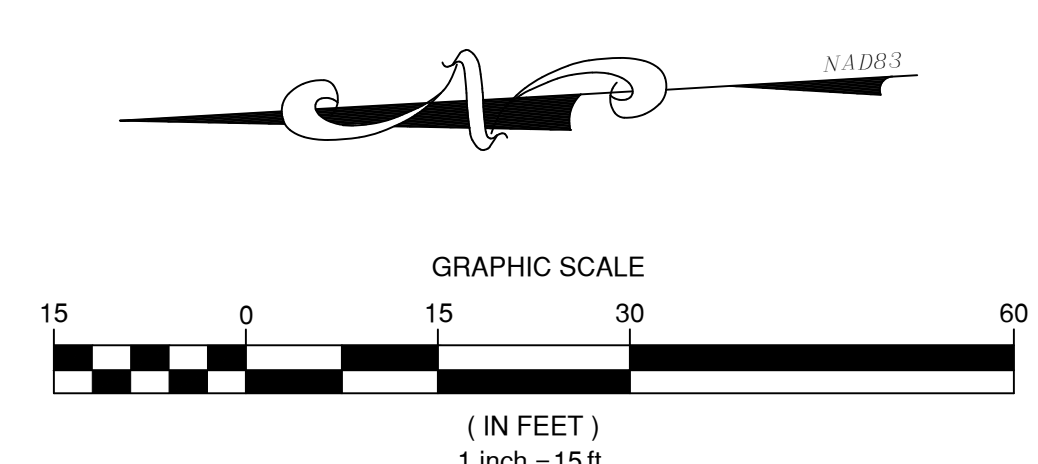
SEALS



N/F
 HECTOR CREEK FARMS.
 D.B. 3675, PG. 0058
 PIN: 0654-66-4710.000
 ZONING: RA-30



- NOTES:**
- EXISTING INFORMATION IS SHOWN FROM SURVEY BY ECLS GLOBAL, INC. DATED 06/26/2024
 - SITE LIGHTING TO BE BY WALL MOUNTED LIGHT PACKS WITH HOODS TO DIRECT LIGHT DOWNWARD TO PREVENT LIGHT SPILLAGE ONTO ADJACENT PROPERTIES OR ROW. ANY SPOTLIGHTS SHALL BE AIMED 45° FROM VERTICAL
 - ALL MECHANICAL AREAS SHALL BE SCREENED FROM THE VIEWS OF STREETS AND ADJACENT PROPERTY.



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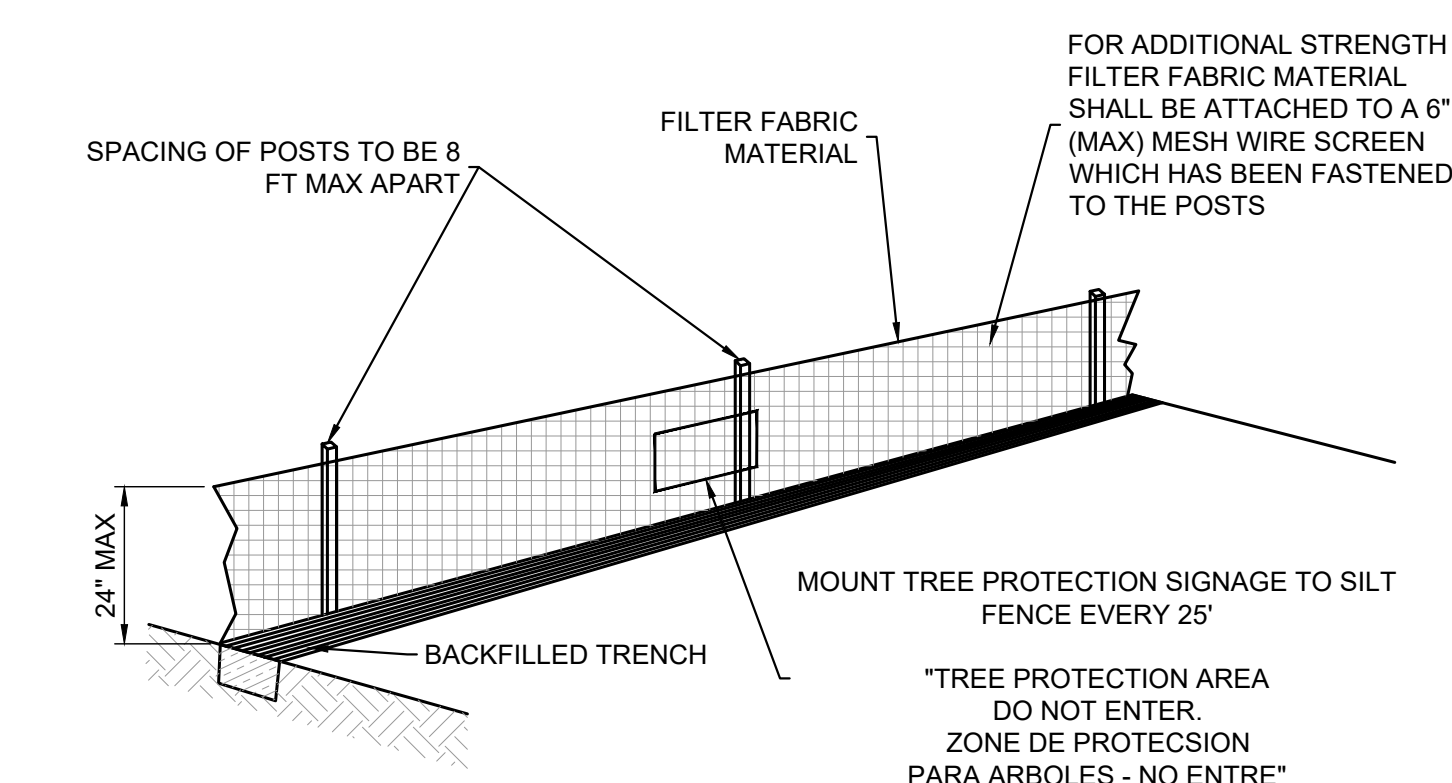
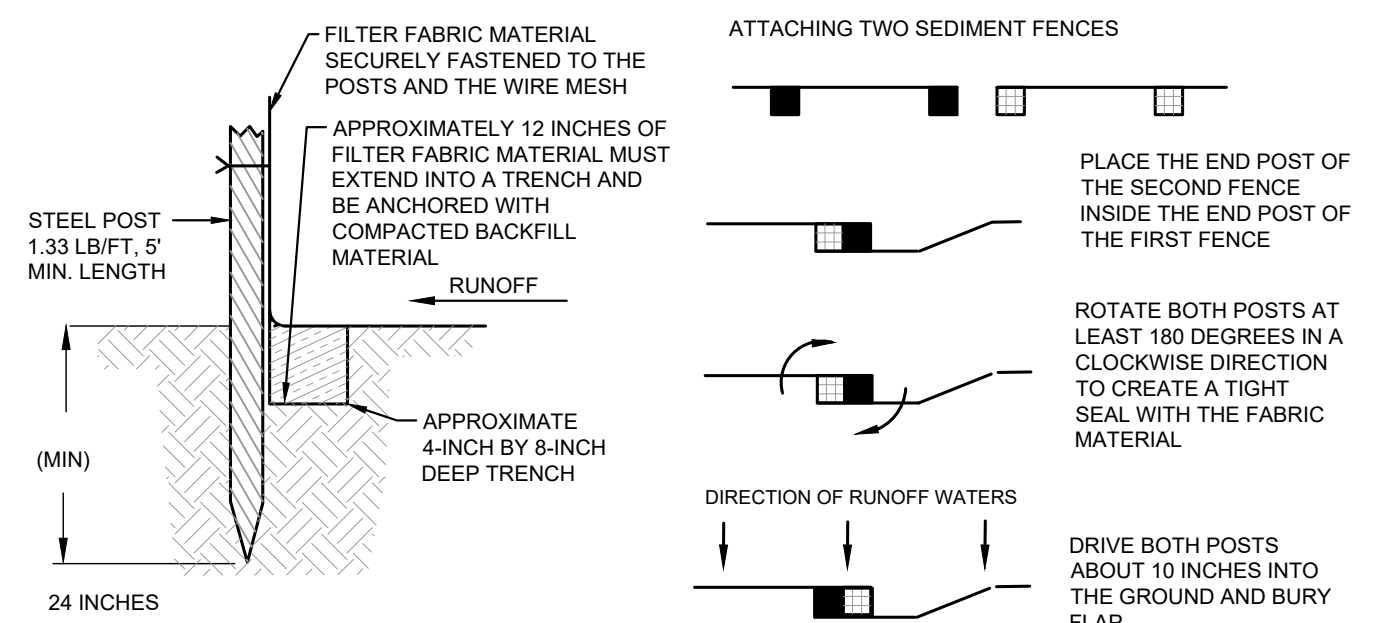
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DRAWING TITLE
 SITE LAYOUT, UTILITY,
 & LANDSCAPE PLAN

DRAWING NUMBER
 C5.0



MATERIALS

- USE A SYNTHETIC FILTER FABRIC OF AT LEAST 95% BY WEIGHT OF POLYOLEFINS OR POLYESTER, WHICH IS CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE REQUIREMENTS IN ASTM D 6461, WHICH IS SHOWN IN PART IN TABLE 6.62B. SYNTHETIC FILTER FABRIC SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 TO 120° F.
- ENSURE THAT POSTS FOR SEDIMENT FENCES ARE 1.33 LB/LINEAR FT STEEL WITH A MINIMUM LENGTH OF 5 FEET. MAKE SURE THAT STEEL POSTS HAVE PROJECTIONS TO FACILITATE FASTENING THE FABRIC.
- FOR REINFORCEMENT OF STANDARD STRENGTH FILTER FABRIC, USE WIRE FENCE WITH A MINIMUM 14 GAUGE AND A MAXIMUM MESH SPACING OF 6 INCHES.

CONSTRUCTION

- CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.
- ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 24 INCHES ABOVE THE GROUND SURFACE. (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.)
- CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER CLOTH ONLY AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST.
- SUPPORT STANDARD STRENGTH FILTER FABRIC BY WIRE MESH FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS. EXTEND THE WIRE MESH SUPPORT TO THE BOTTOM OF THE TRENCH. FASTEN THE WIRE REINFORCEMENT, THEN FABRIC ON THE UPSLOPE SIDE OF THE FENCE POST. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
- WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.
- EXTRA STRENGTH FILTER FABRIC WITH 6 FEET POST SPACING DOES NOT REQUIRE WIRE MESH SUPPORT FENCE. SECURELY FASTEN THE FILTER FABRIC DIRECTLY TO POSTS. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
- EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER (FIGURE 6.62A).
- PLACE 12 INCHES OF THE FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
- BACKFILL THE TRENCH WITH COMPACTED SOIL PLACED OVER THE FILTER FABRIC. THOROUGH COMPACTION OF THE BACKFILL IS CRITICAL TO SILT FENCE PERFORMANCE.
- DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.

SEDIMENT FENCE INSTALLATION USING THE SLICING METHOD

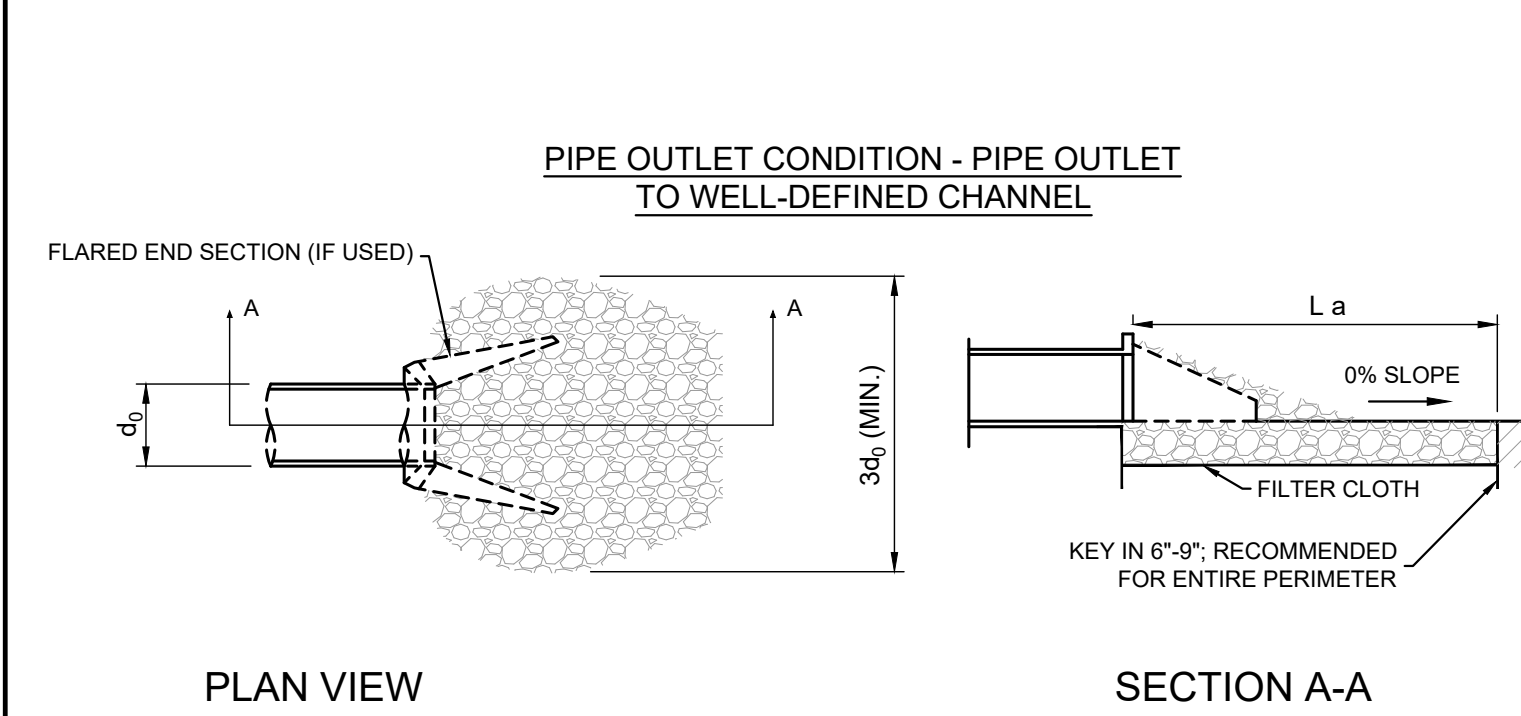
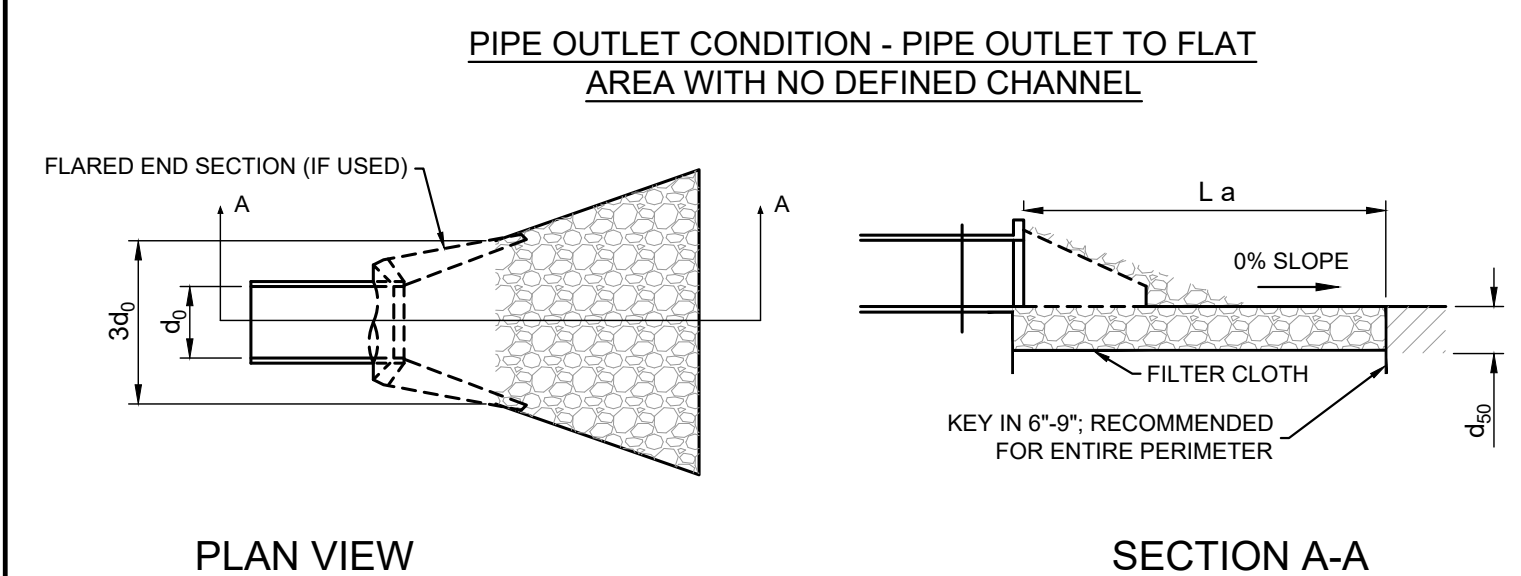
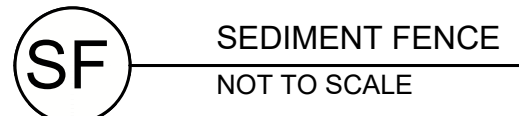
INSTEAD OF EXCAVATING A TRENCH, PLACING FABRIC AND THEN BACKFILLING TRENCH, SEDIMENT FENCE MAY BE INSTALLED USING SPECIALLY DESIGNED EQUIPMENT THAT INSERTS THE FABRIC INTO A CUT SLICED IN THE GROUND WITH A DISC.

INSTALLATION SPECIFICATIONS

- THE BASE OF BOTH END POSTS SHOULD BE AT LEAST ONE FOOT HIGHER THAN THE MIDDLE OF THE FENCE. CHECK WITH A LEVEL IF NECESSARY.
- INSTALL POSTS 4 FEET APART IN CRITICAL AREAS AND 6 FEET APART ON STANDARD APPLICATIONS.
- INSTALL POSTS 2 FEET DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
- INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FABRIC.
- ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8 INCHES OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1 INCH VERTICALLY APART. ALSO, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
- WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
- NO MORE THAN 24 INCHES OF A 36 INCH FABRIC IS ALLOWED ABOVE GROUND LEVEL.
- THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION.
- COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQUARE INCH. COMPACT THE UPSLOPE SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF 4 TRIPS.

MAINTENANCE

- INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
- REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
- REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

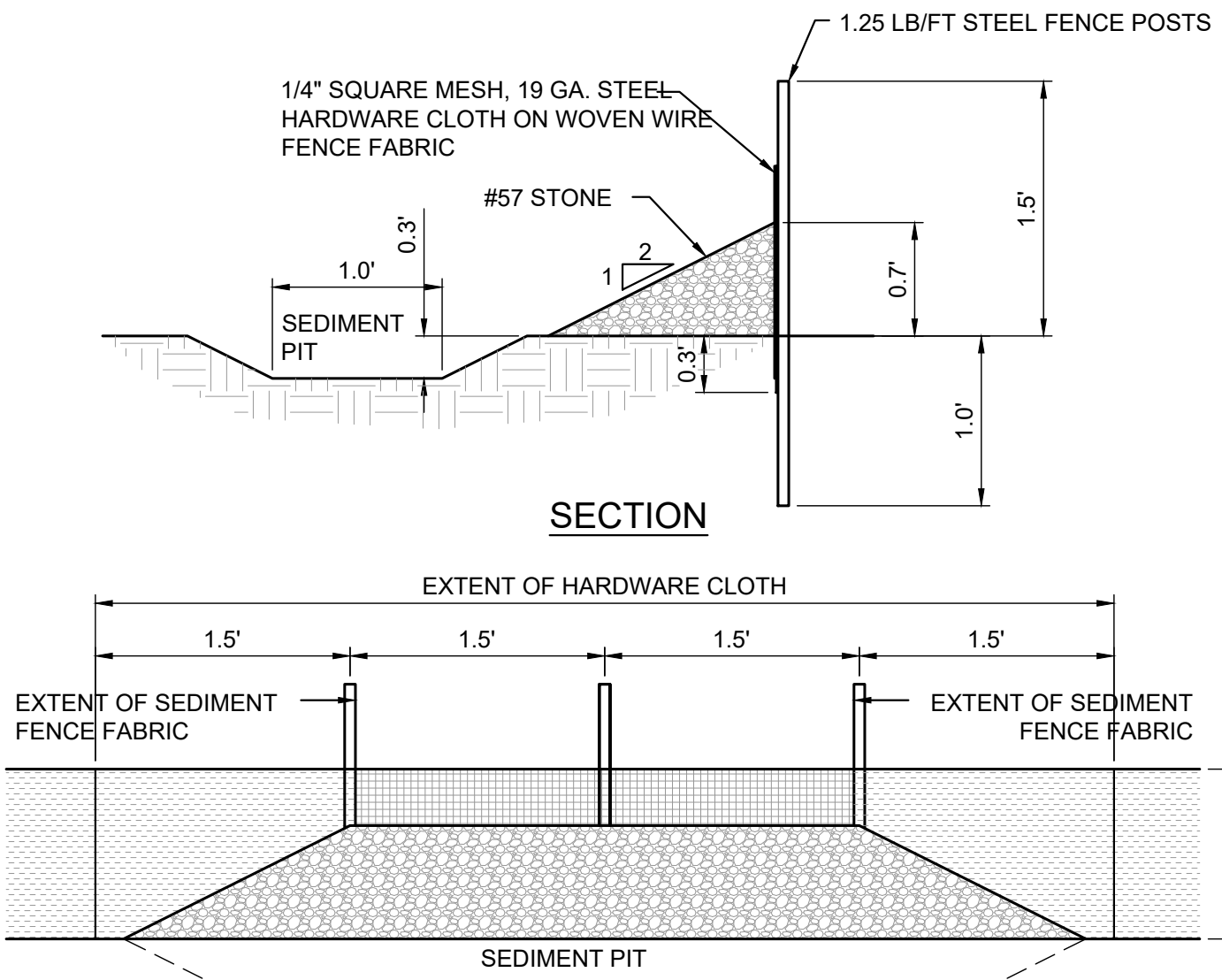
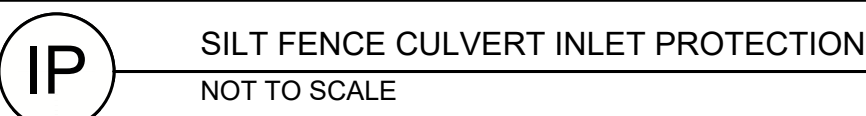
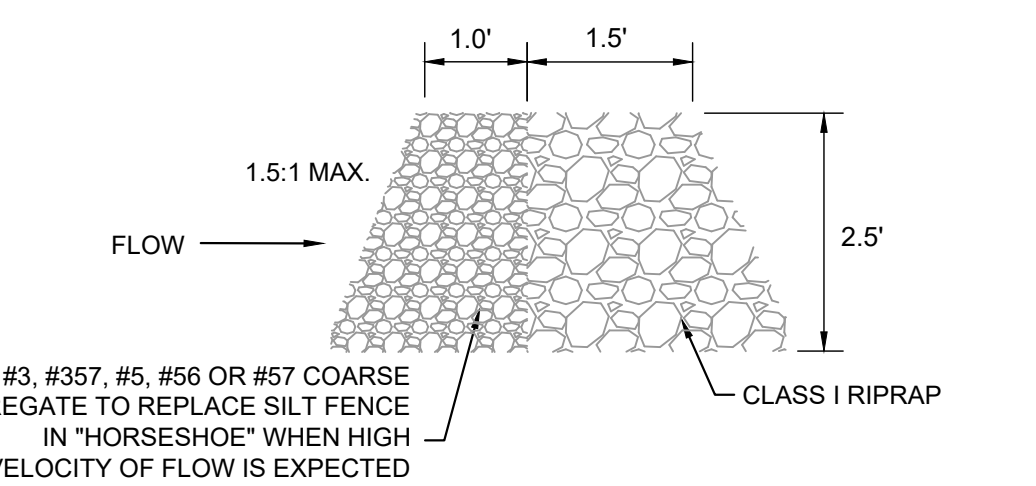
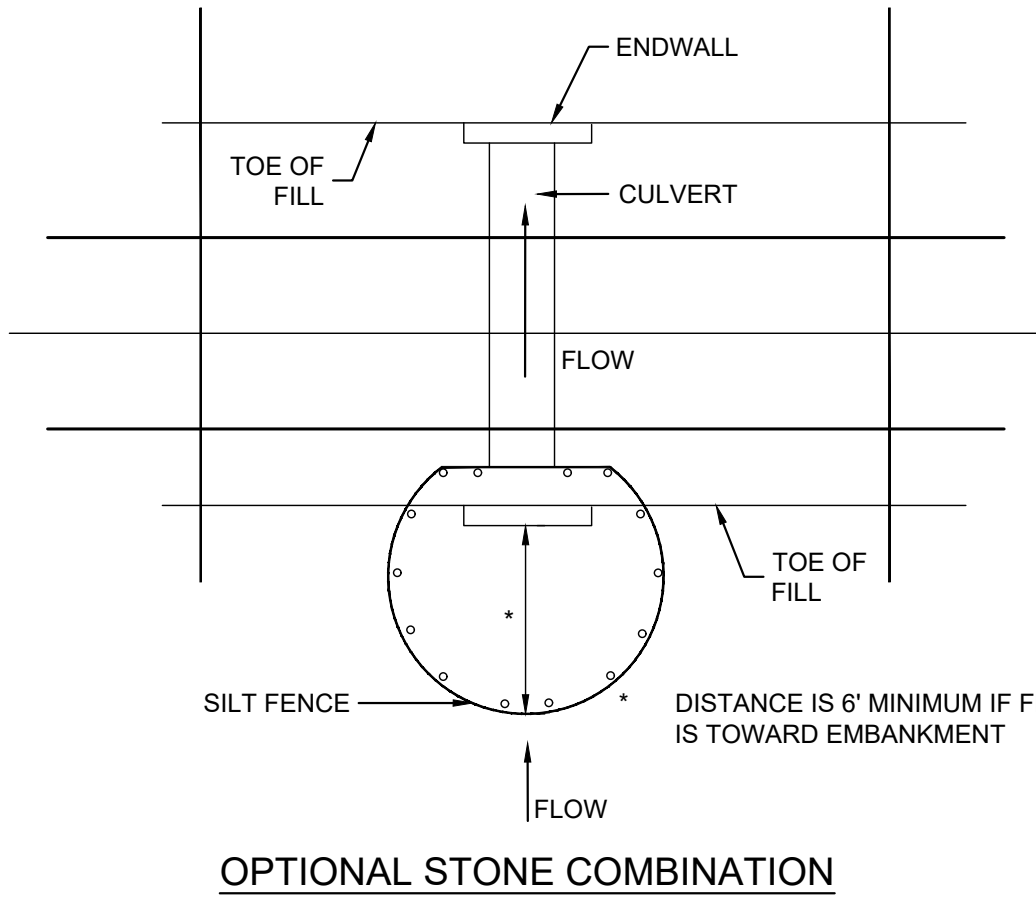
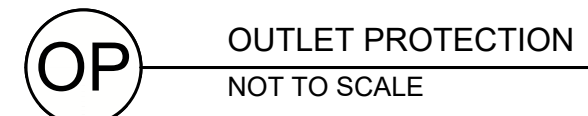


SPECIFICATIONS

- ENSURE THAT THE SUBGRADE FOR THE FILTER AND RIPRAP FOLLOWS THE REQUIRED LINES AND GRADES SHOWN IN THE PLAN. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL. LOW AREAS IN THE SUBGRADE ON UNDISTURBED SOIL MAY ALSO BE FILLED BY INCREASING THE RIPRAP THICKNESS.
- THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLANS.
- FILTER CLOTH, WHEN USED, MUST MEET DESIGN REQUIREMENTS AND BE PROPERLY PROTECTED FROM PUNCHING OR TEARING DURING INSTALLATION. REPAIR ANY DAMAGE BY REMOVING THE RIPRAP AND PLACING ANOTHER PIECE OF FILTER CLOTH OVER THE DAMAGED AREA. ALL CONNECTING JOINTS SHOULD OVERLAP A MINIMUM OF 1 FT. IF THE DAMAGE IS EXTENSIVE, REPLACE THE ENTIRE FILTER CLOTH.
- RIPRAP MAY BE PLACED BY EQUIPMENT, BUT TAKE CARE TO AVOID DAMAGING THE FILTER.
- THE MINIMUM THICKNESS OF THE RIPRAP SHOULD BE 1.5 TIMES THE MAXIMUM STONE DIAMETER.
- RIPRAP MAY BE FIELD STONE OR ROUGH QUARRY STONE. IT SHOULD BE HARD, ANGULAR, HIGHLY WEATHER-RESISTANT AND WELL GRADED.
- CONSTRUCT THE APRON ON ZERO GRADE WITH NO OVERFALL AT THE END. MAKE THE TOP OF THE RIPRAP AT THE DOWNSTREAM END LEVEL WITH THE RECEIVING AREA OR SLIGHTLY BELOW IT.
- ENSURE THAT THE APRON IS PROPERLY ALIGNED WITH THE RECEIVING STREAM AND PREFERABLY STRAIGHT THROUGHOUT ITS LENGTH. IF A CURVE IS NEEDED TO FIT SITE CONDITIONS, PLACE IT IN THE UPPER SECTION OF THE APRON.
- IMMEDIATELY AFTER CONSTRUCTION, STABILIZE ALL DISTURBED AREAS WITH VEGETATION.

MAINTENANCE

- INSPECT RIP-RAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIP-RAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLODGED. PROMPTLY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.



SPECIFICATIONS

- REFER TO THE APPROVED EROSION CONTROL PLAN FOR LOCATION OF THE OUTLET BEFORE COMPLETING INSTALLATION OF THE SILT FENCE.

MAINTENANCE

- INSPECT THE SEDIMENT FENCE OUTLET AFTER EACH SIGNIFICANT RAINFALL EVENT. REPAIR ANY EROSION AND PIPING HOLES IMMEDIATELY.
- REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH; A STAKE SET AT THE CLEANOUT LEVEL IS HELPFUL.
- CLEAN OR REPLACE STONE IF CLOGGED. REPLACE ANY STONE DISLODGED.
- AFTER ALL SEDIMENT PRODUCING AREAS HAVE BEEN STABILIZED, INSPECTED, AND APPROVED, REMOVE THE STRUCTURE AND ALL UNSTABLE SEDIMENT. SMOOTH SITE TO BLEND WITH ADJOINING AREAS AND STABILIZE.



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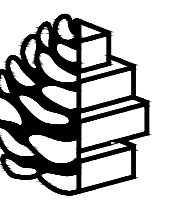
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OWNER
LEE REVIS

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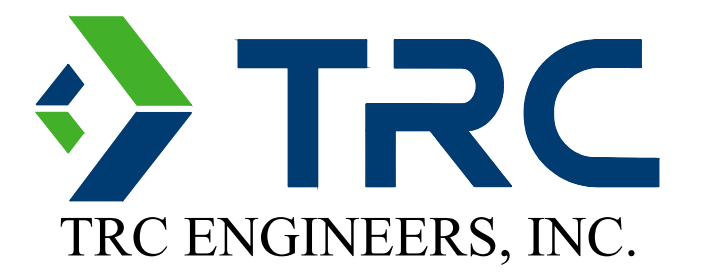
DRAWING TITLE
ESC DETAILS



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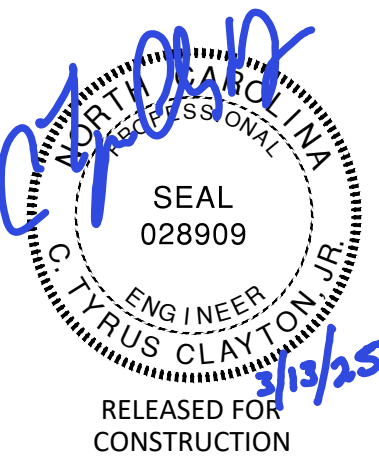


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LEE REVIS

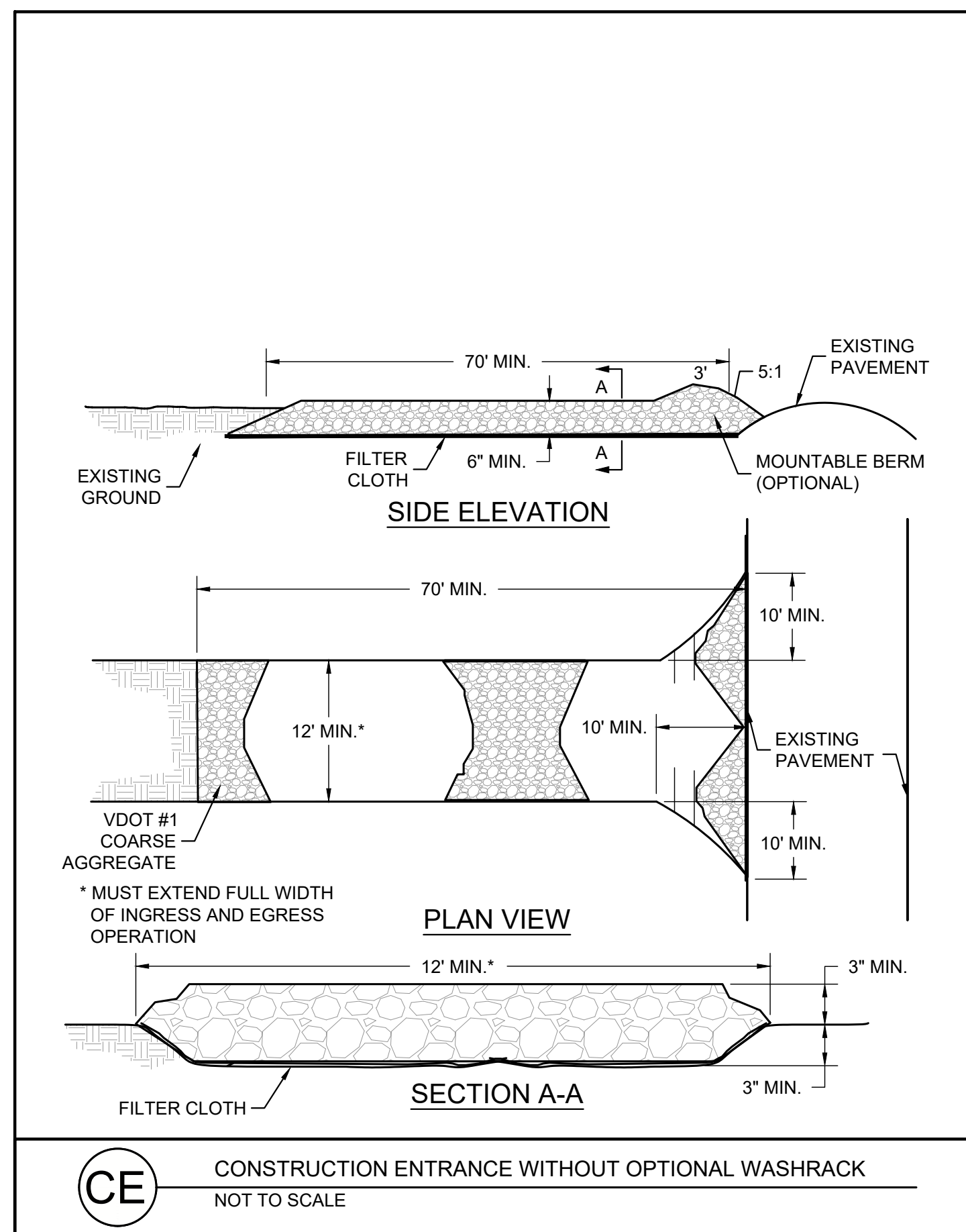
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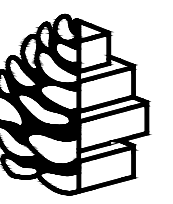
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DRAWING TITLE
ESC DETAILS

DRAWING NUMBER

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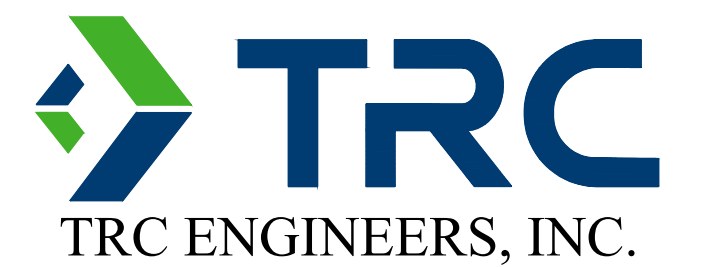




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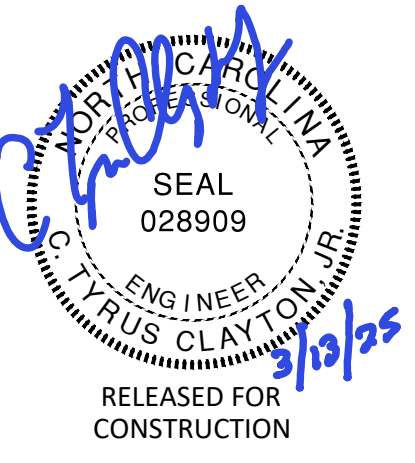


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REVISIONS

09/18/2024	FOR REVIEW
11/05/2024	RESPONSE TO COMMENTS
02/21/2025	GRADING REVISION TO COORDINATE WITH STRUCTURAL

SEALS



JWR VENTURES

NEW BUILDING

JWR VENTURES
192 JARCO DRIVE
FUQUAY-VARINA, NC 27526

OWNER
LEE REVIS

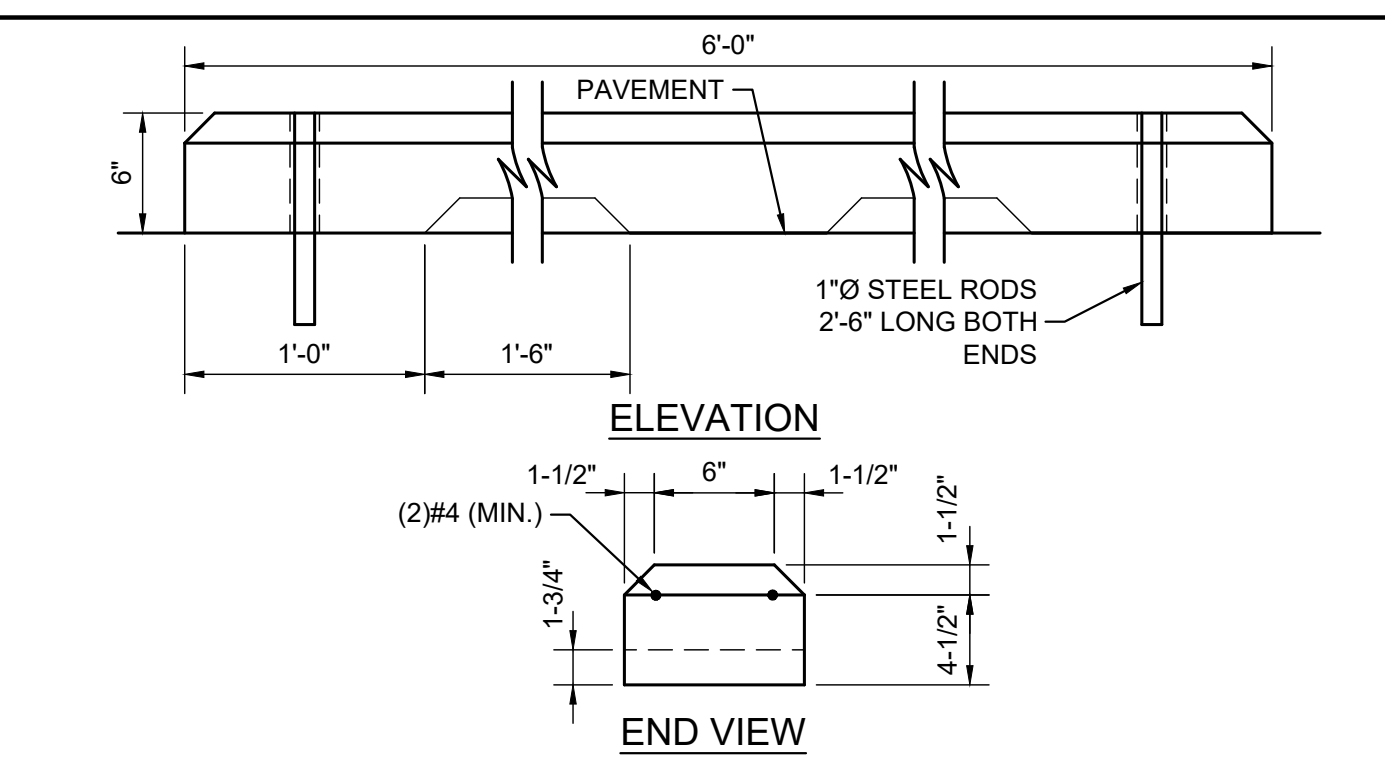
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PHASE	PERMIT SET
DATE	03.02.2026
TD PROJECT #	24-024

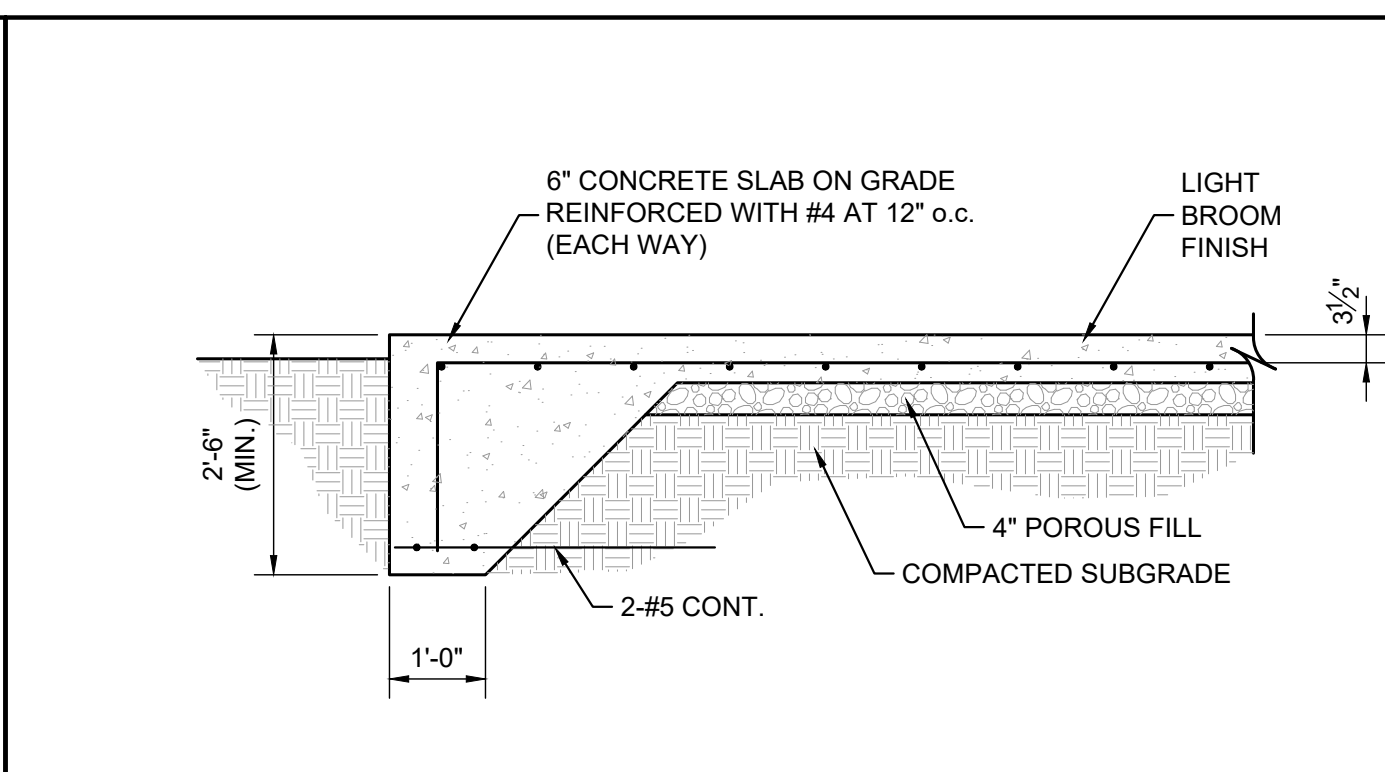
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SITE DETAILS

DRAWING NUMBER

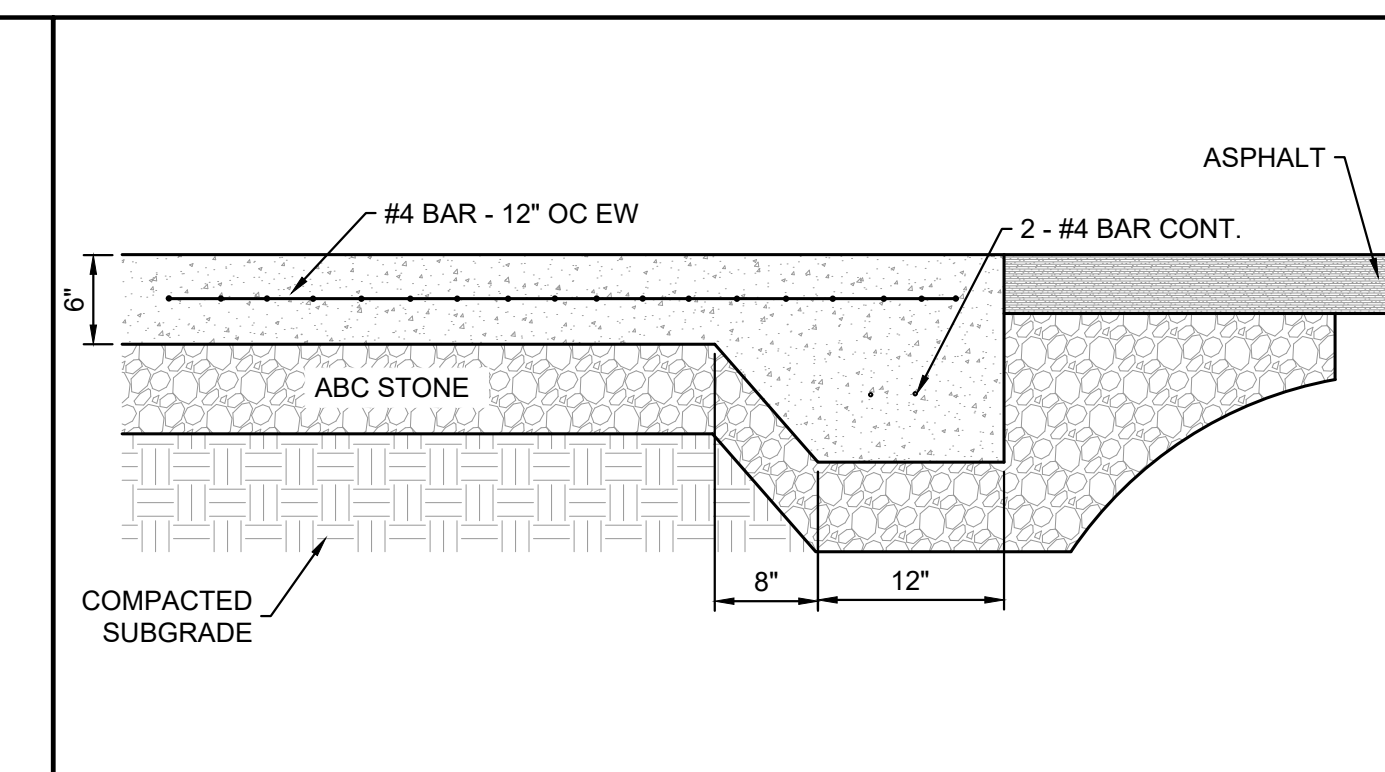
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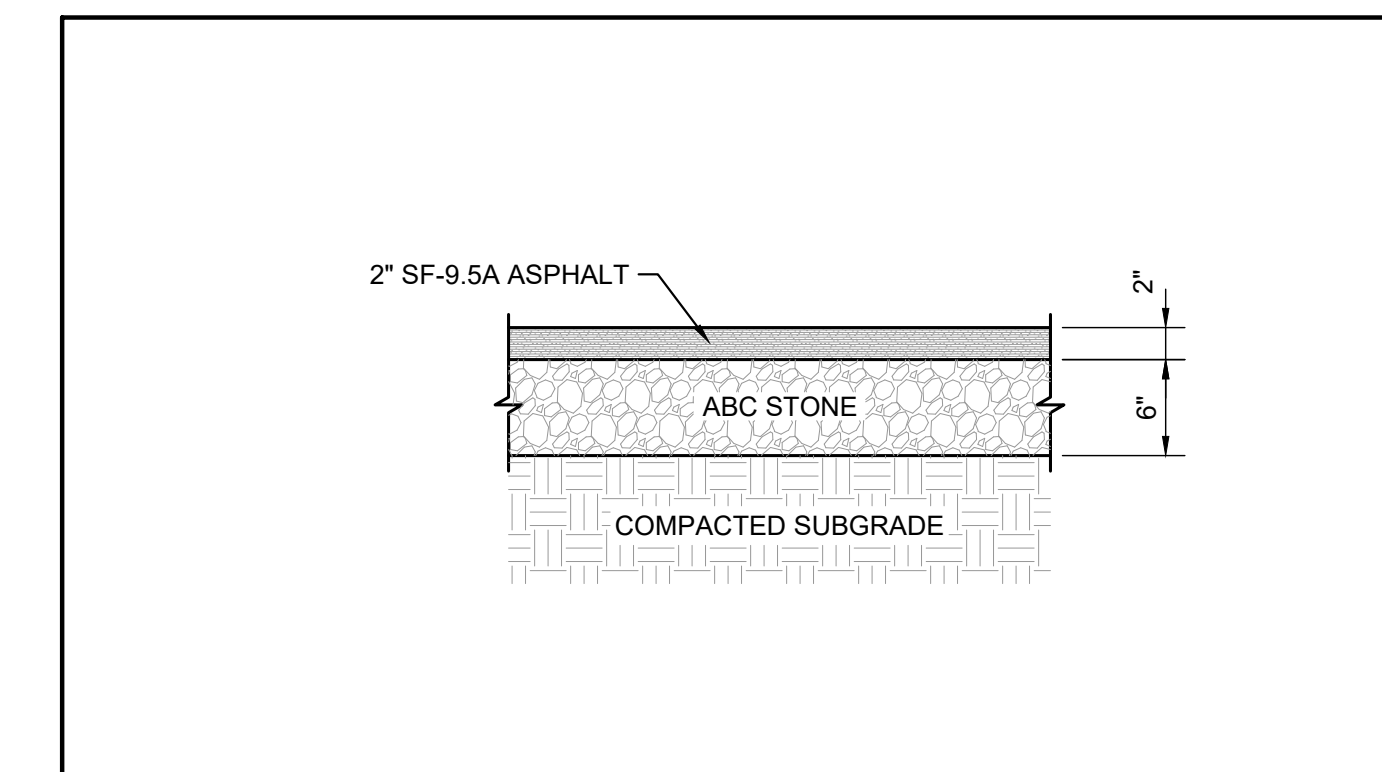
4 PRECAST WHEEL STOP DETAIL
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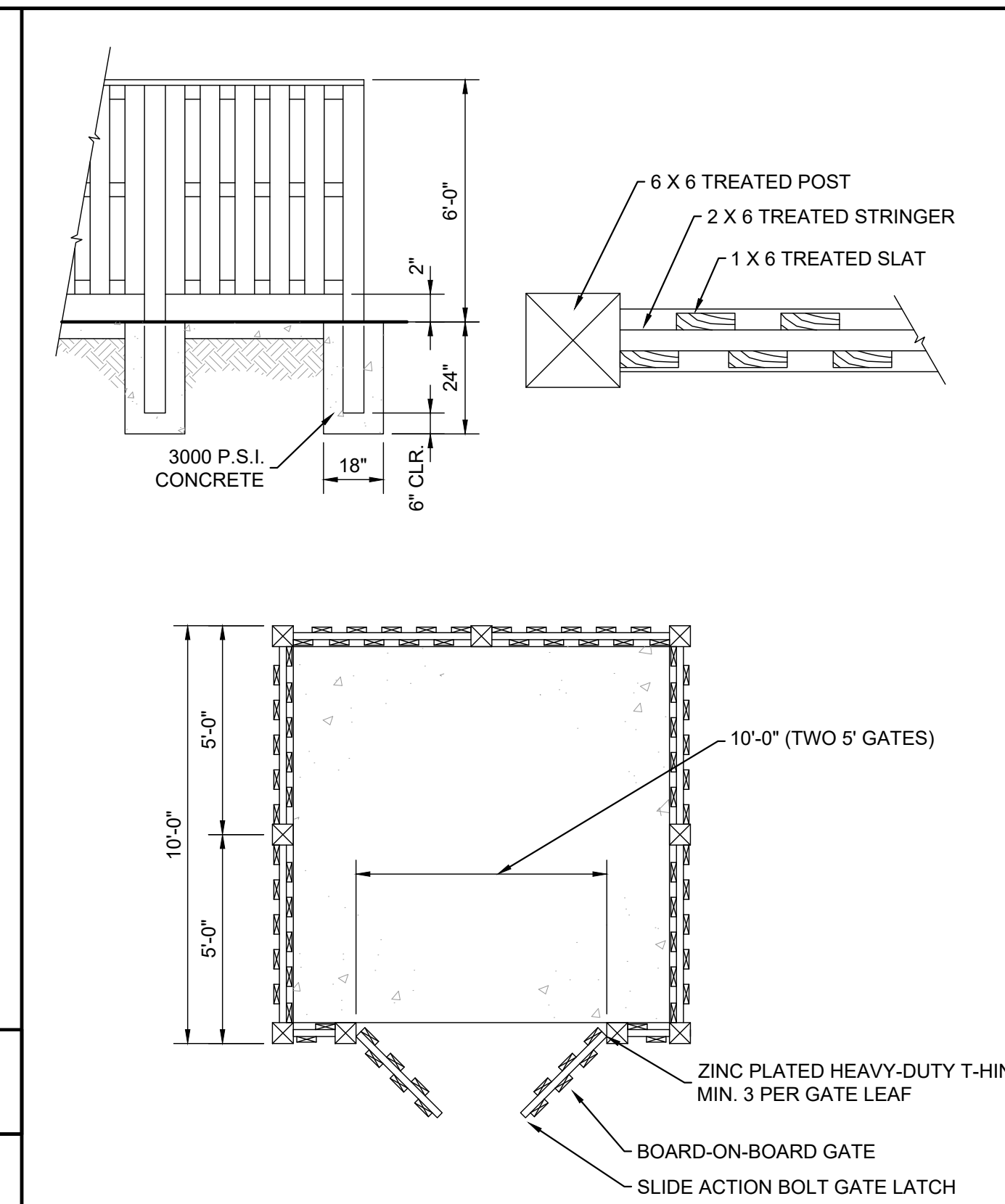
3 TYPICAL DUMPSTER PAD EDGE DETAIL
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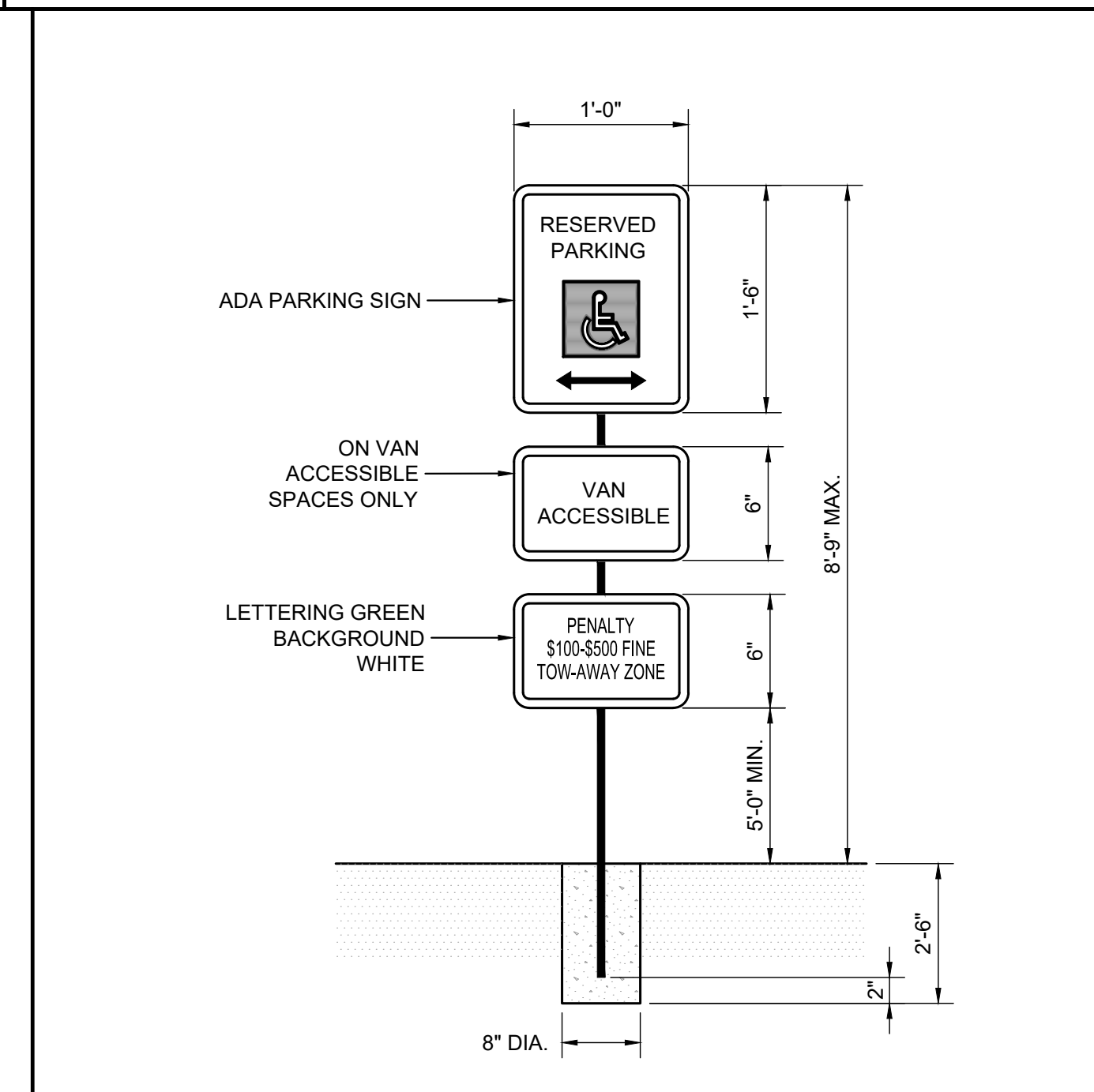
2 HEAVY DUTY CONCRETE DETAIL
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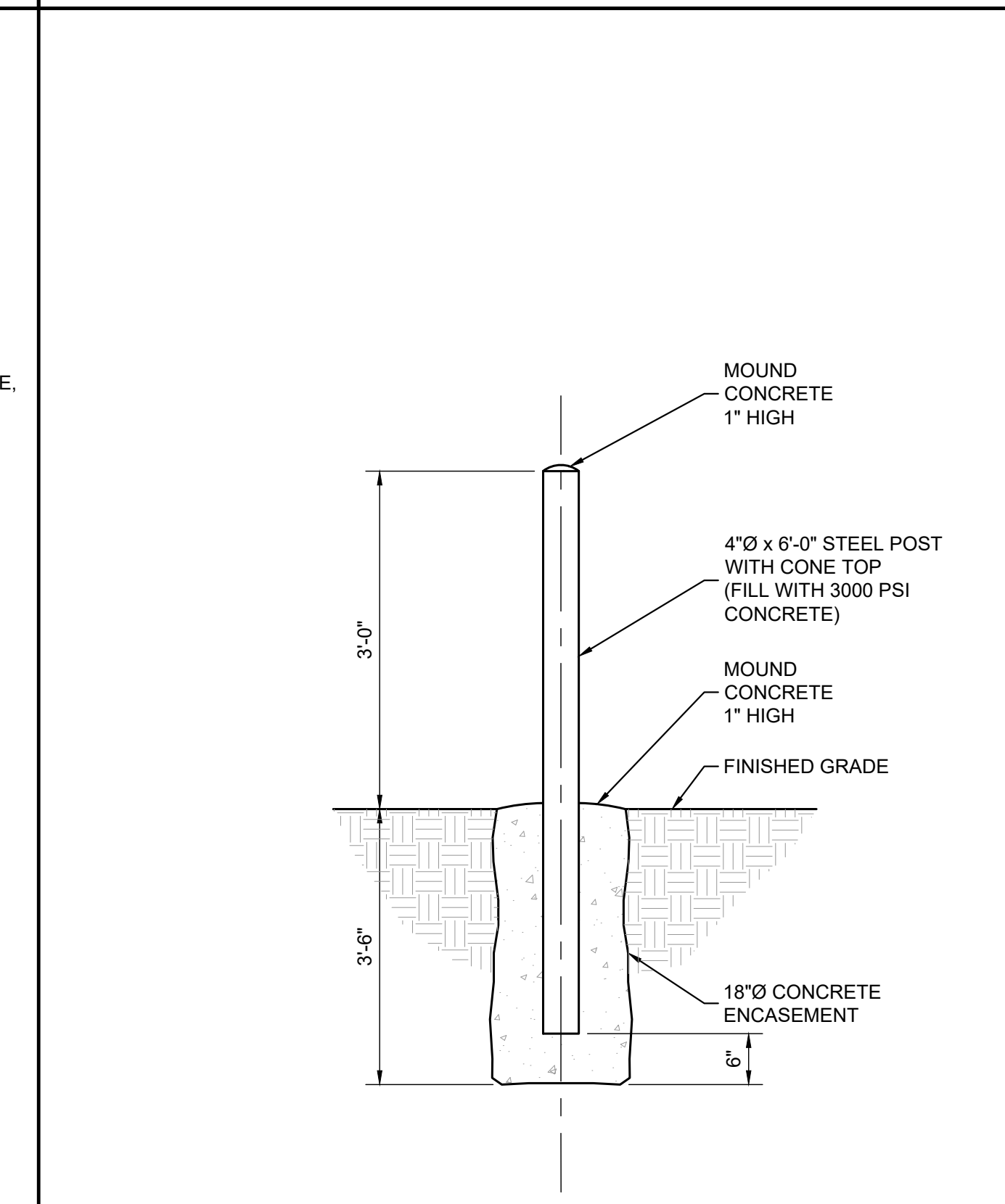
1 STANDARD DUTY ASPHALT DETAIL
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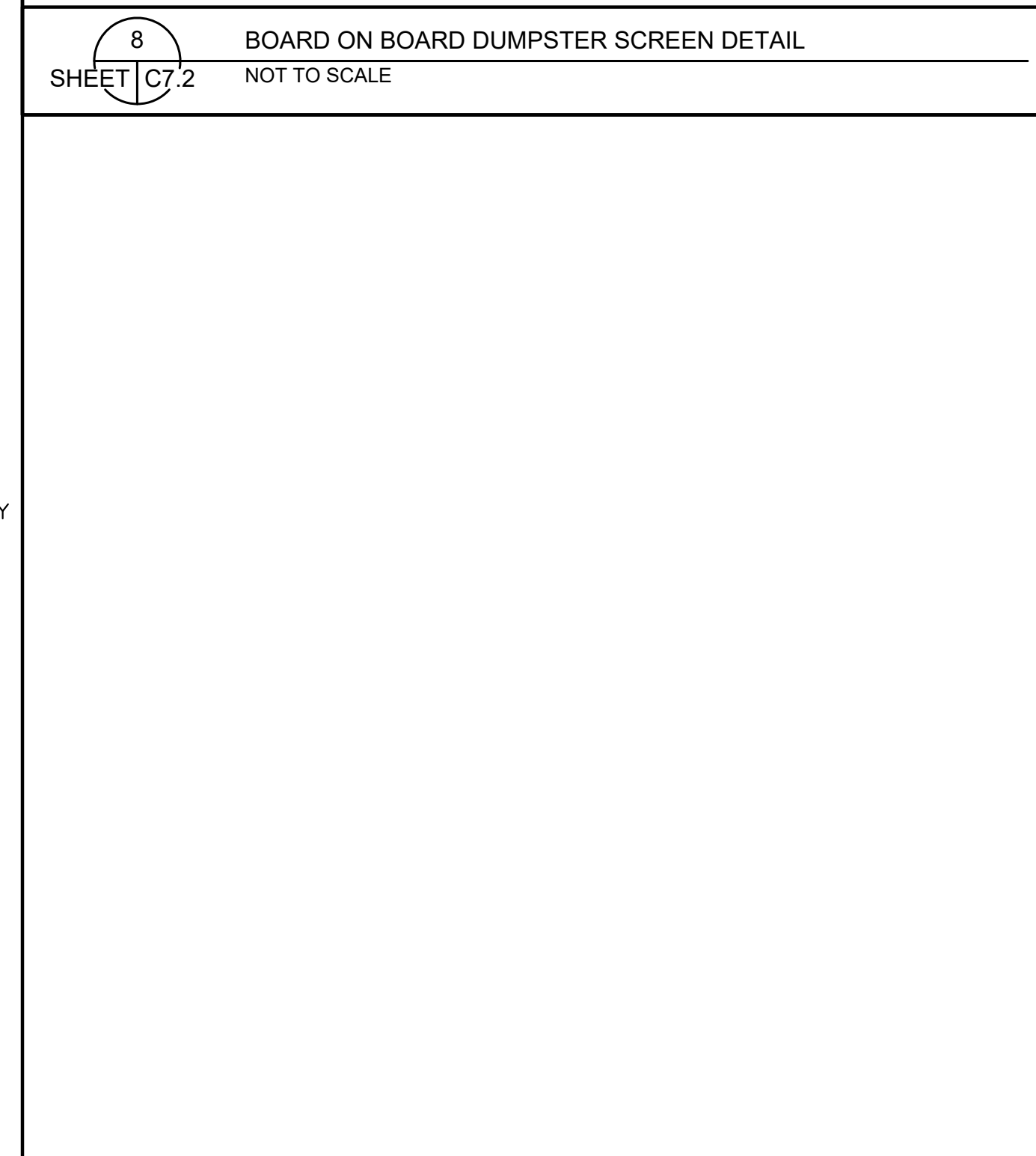
8 BOARD ON BOARD DUMPSTER SCREEN DETAIL
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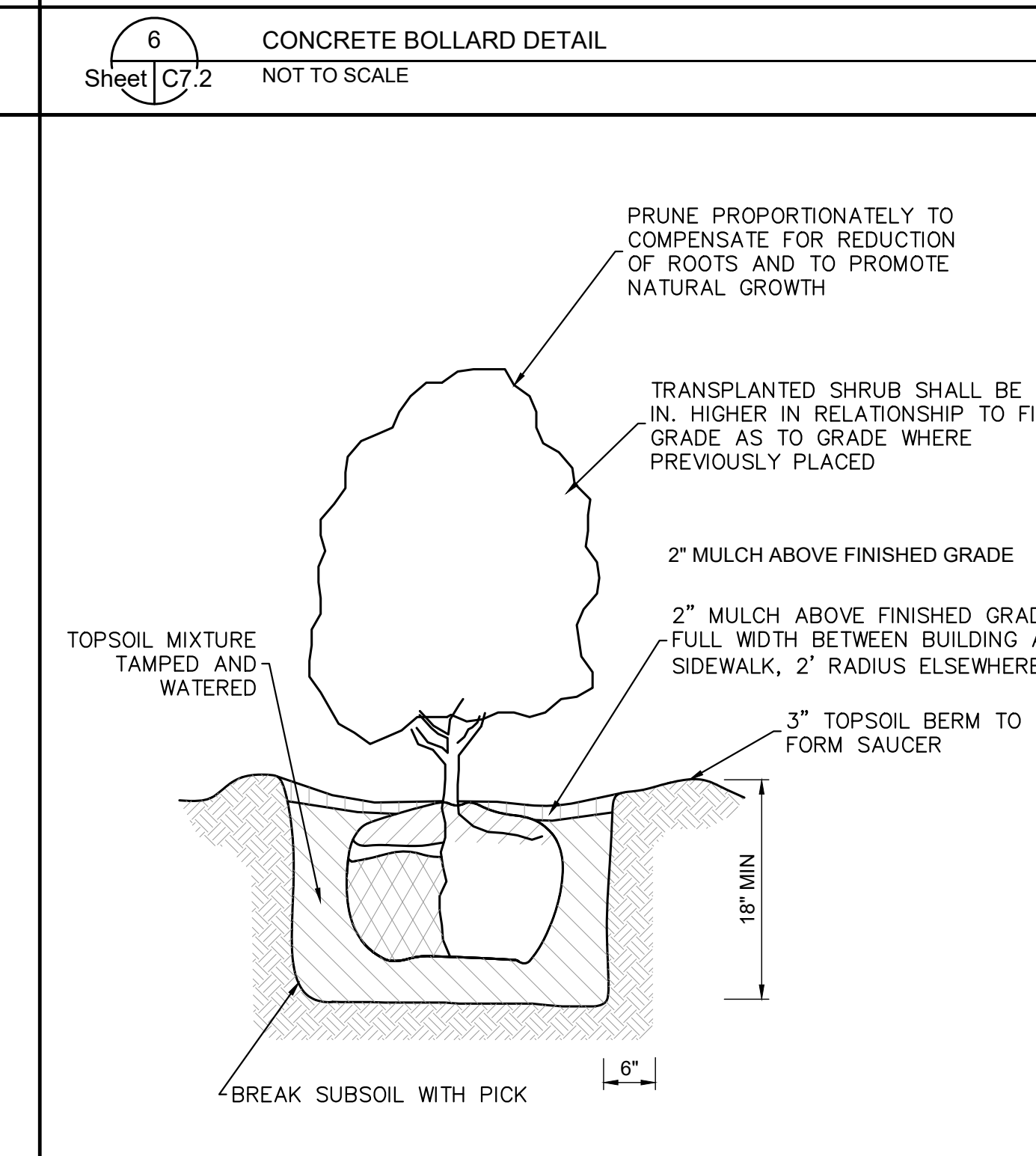
7 VDOT R7-8 ADA VAN ACCESSIBLE SIGN
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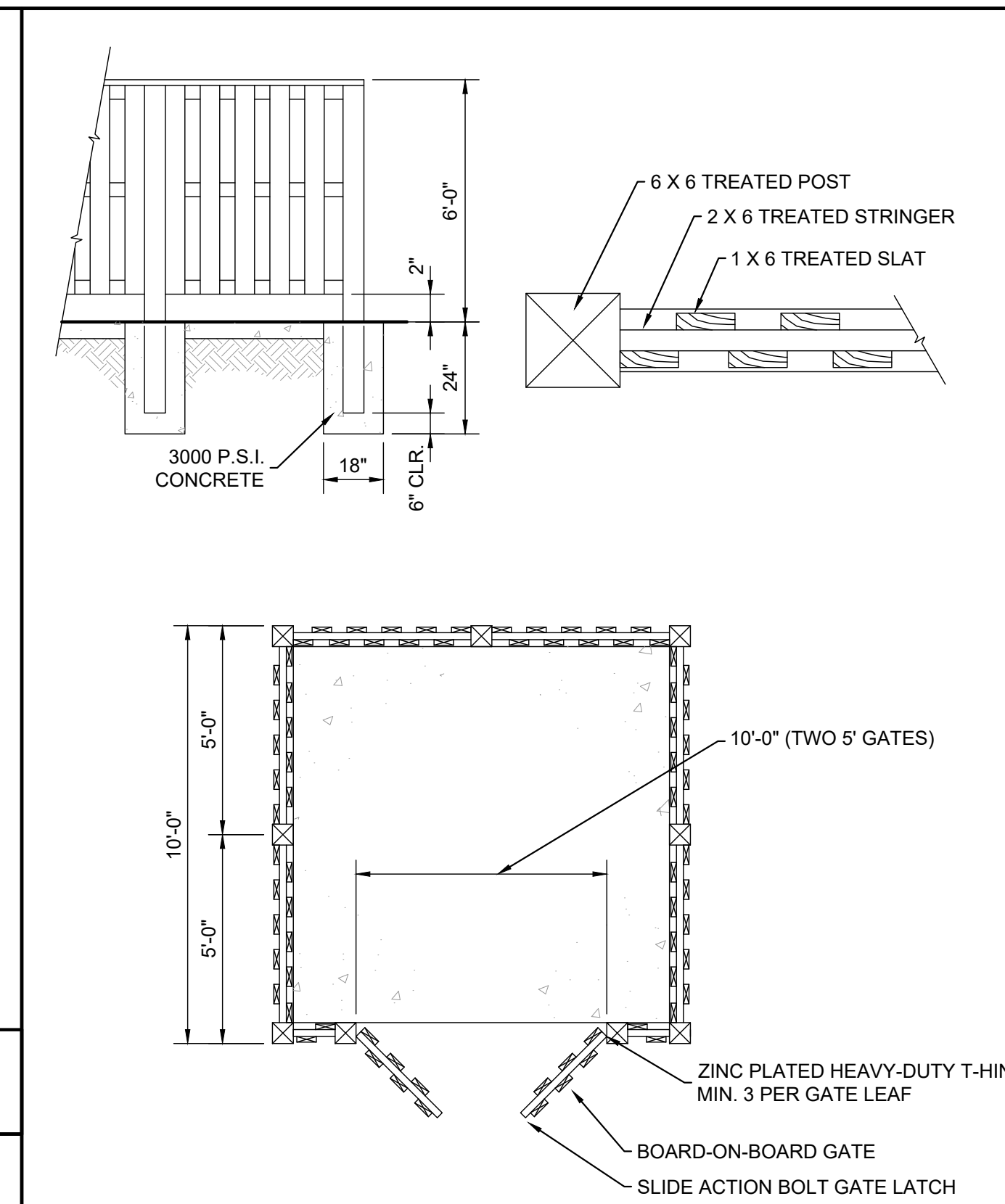
6 CONCRETE BOLLARD DETAIL
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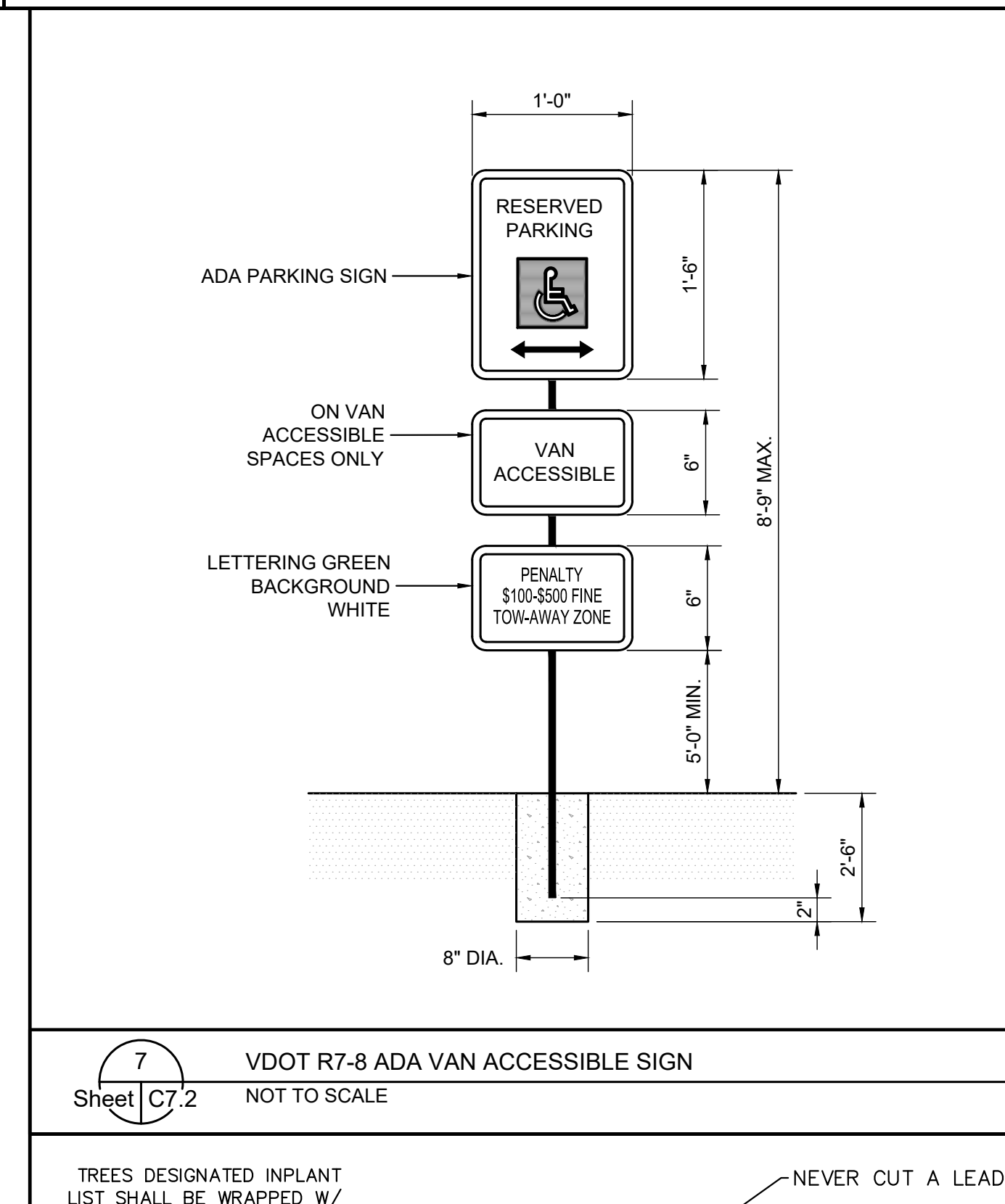
11 TREE PLANTING
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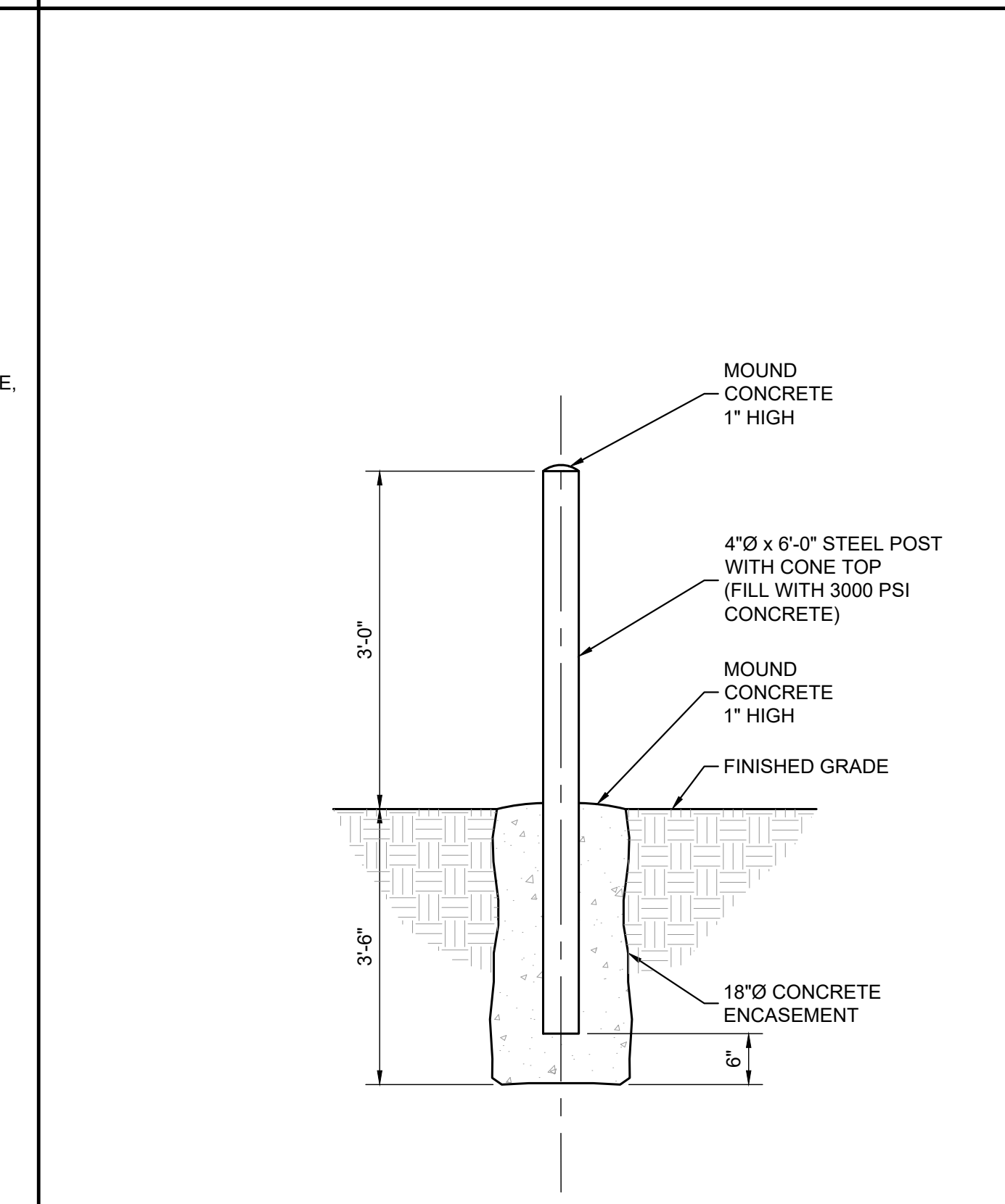
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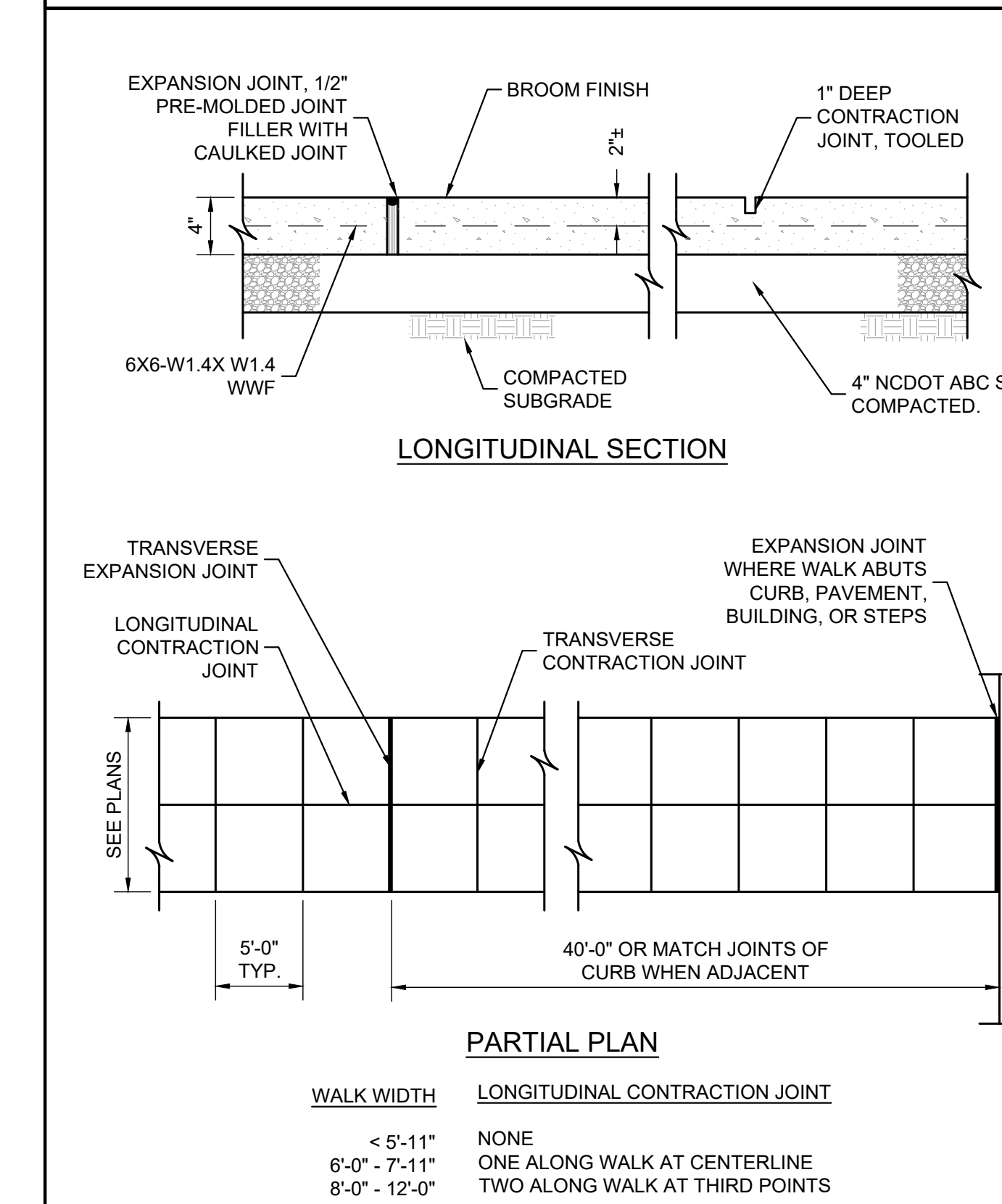
5 TYPICAL SIDEWALK DETAIL
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9 CONCRETE CURB AND GUTTER
Sheet C7.2 NOT TO SCALE



1 LONGITUDINAL SECTION AND PARTIAL PLAN
Sheet C10.0 NTS



10 SHRUB PLANTING
Sheet C7.2 NOT TO SCALE

9 CONCRETE CURB AND GUTTER
Sheet C7.2 NOT TO SCALE

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