

EROSION CONTROL NOTES

1. 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.
2. 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.
3. 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.
4. 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.
5. SILT SHALL BE REMOVED FROM SILT FENCES WHEN THE SILT REACHES APPROXIMATELY ONE-THIRD (1/3) THE HEIGHT OF THE BARRIER.
6. 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.
7. ALL EROSION AND SILTATION MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING.
8. 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.
9. 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.
10. 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.
11. CONTRACTOR STAGING AREA(S) SHALL BE RETURNED TO BETTER THAN ORIGINAL CONDITIONS AT THE COMPLETION OF THE WORK.
12. 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.
13. 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.
14. 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.
15. AS A CONDITION OF NPDES PERMIT NO. NCG 010000, PERMANENT GROUNDCOVER 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

1. CARE MUST BE TAKEN TO PREVENT SEDIMENT FROM BEING TRACKED ONTO ADJACENT ROADWAYS.
2. CARE MUST BE TAKEN TO PREVENT SEDIMENT FROM EXITING THE PROJECT SITE AREA.
3. 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

1. 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.
2. CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
3. SEDIMENT TRAPPING MEASURES WILL BE INSTALLED AS A FIRST STEP IN GRADING.
4. THE JOB SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.
5. 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

1. 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 THE ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.
2. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO CONSTRUCTION SO THAT CONTRACTOR IS FAMILIAR AND UNDERSTANDS EXISTING CONDITIONS.
3. FIELD CHANGES MAY BE NECESSARY DUE TO EXISTING UTILITY LOCATIONS. THE ENGINEER SHALL BE CONTACTED BEFORE MAKING THESE CHANGES.

CONSTRUCTION SEQUENCE

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

GENERAL NOTES

1. THIS PROJECT, AS CURRENTLY DESIGNED, MAY NOT INLCUDE ALL COMPONENTS ADDRESSED IN THE VARIOUS GENERAL NOTES. REVIEW PLANS FOR APPLICABILITY.
2. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM THE LOCAL AND STATE AGENCIES.
3. 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.
4. ALL PAVING MATERIALS AND DRAINAGE STRUCTURES SHALL BE BUILT AND INSTALLED IN ACCORDANCE WITH NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
5. 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.
6. WHERE PAVEMENT IS BEING REMOVED, THE CONTRACTOR SHALL REMOVE AGGREGATE BASE MATERIAL TO SUB-GRADE.
7. 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.
8. EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY CONTRACTOR (WHICH ARE NOT TO BE REMOVED) SHALL BE REPAIRED TO LIKE-NEW CONDITION.
9. 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.
10. 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.
11. THE CONTRACTOR SHALL NOTIFY ALL APPLICABLE REGULATORY AGENCIES AND THE ENGINEER AT LEAST 24 HOURS PRIOR TO STARTING WORK ON THIS PROJECT.
12. UNLESS OTHERWISE NOTED, ALL CONCRETE PIPE SHALL BE REINFORCED CONCRETE PIPE, CLASS III.
13. ALL EXCAVATION FOR UNDERGROUND PIPE INSTALLATION MUST COMPLY WITH OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY (29 CFR PART 1926).
14. 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.
15. DEVIATIONS FROM, OR CHANGES TO THESE PLANS WILL NOT BE ALLOWED.
16. 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.
17. 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

1. ALL CONTROLLED FILL ZONES ARE TO BE MONITORED BY A FULL TIME GEOTECHNICAL ENGINEERING SERVICES FIRM.
2. ENGINEERED FILLS SHALL BE PROPERLY PLACED ACCORDING TO THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.
3. 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.
4. NO FILLS SHALL HAVE ZONES THAT EXCEED TWO (2) FEET IN ELEVATION WITHOUT CONDUCTING COMPACTION TEST AND OBTAINING RESULTS OF 95% OR GREATER.
5. 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.
6. 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.
7. NO BUILDING PADS IN FILL ZONES WILL HAVE STRATUMS EXCEEDING TWO (2) FEET IN ELEVATION WITHOUT TEST VERIFYING DENSITY.
8. THESE GEOTECHNICAL NOTES SHALL IN NO WAY LESSEN THE REQUIREMENTS OF THE SUBMITTED SOILS REPORT.

ROAD SUBGRADE

1. INSPECTION AND APPROVAL OF THE SUBGRADE WILL BE REQUIRED PRIOR TO THE PLACEMENT OF THE APPROVED PAVEMENT SECTION MATERIAL.
2. ANY CLAY DEPOSITS IN THE TOP TWO FEET OF THE SUBGRADE MUST BE REMOVED OR ADDRESSED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.
3. SUBGRADE APPROVAL SHALL BE ACCOMPANIED BY THE SUPPORTING DOCUMENTATION VERIFYING DENSITY TEST RESULTS OF 95% OR GREATER.
4. 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.
5. 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

- A. BIDDER SHALL BE REQUIRED TO SUPPLY MATERIALS THAT MEET OR EXCEED CURRENT NCDOT SPECIFICATIONS.
- B. 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.
- C. HEADWALL AND PIPE SHALL BE REINFORCED PER AASHTO SPECIFICATIONS AND STRUCTURAL ENGINEER'S REQUIREMENTS.
- D. 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.
- E. PIPE SECTIONS AND BANDS SHALL BE ASSEMBLED AND ALPHANUMERICALLY ALIGNMENT MATCH-MARKED AT THE PLANT SITE BEFORE SHIPPING TO VERIFY FIT.
- F. 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.
- G. 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

- A. 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.
- B. 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

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

FINAL DESIGN PLANS

- A. 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

- B. 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
SERICEA LESPEDEZA	30	20
KOBE LESPEDEZA	10	10
PENSACOLA BAHIAGRASS	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
LATE WINTER:	AUG 25 - SEP 15	AUG 20 - OCT 25
	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.

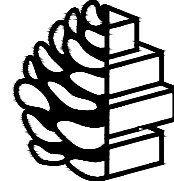
SOIL AMENDMENTS

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

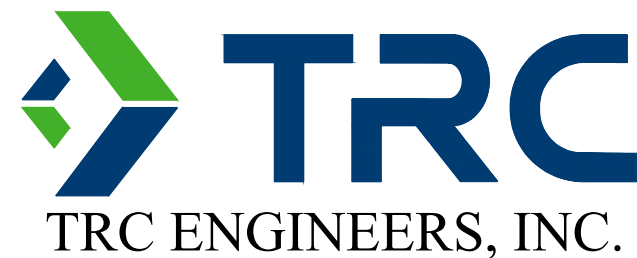
REFERTILIZE IN THE SECOND YEAR UNLESS GROWTH IS FULLY ADEQUATE. MAY BE MOWED ONCE OR TWICE A YEAR, BUT MOWING IS NOT NECESSARY. REFERTILIZE, RESEED AND MULCH DAMAGED AREAS IMMEDIATELY.



TURPENTINE DESIGN

1007 Procure Street
Fuquay-Varina, NC 27526

919.412.9138
turpentine-design.com



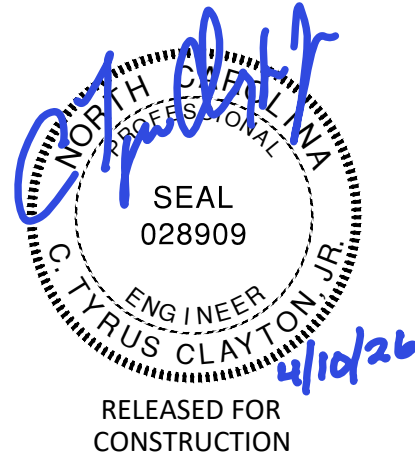
TRC ENGINEERS, INC.

114 Edinburgh South Drive, Suite 200
Cary, NC 27511
919-873-1050 Fax: 919-873-1074
www.TRCCOMPANIES.com
NC Firm License # F-0591

REVISIONS

DATE	DESCRIPTION
09/18/2024	FOR REVIEW
11/05/2024	RESPONSE TO COMMENTS
02/21/2025	GRADING REVISION TO COORDINATE WITH STRUCTURAL
04/10/2026	REV 01

SEALS



JWR VENTURES

NEW BUILDING

JWR VENTURES
192 JARCO DRIVE
FUQUAY-VARINA, NC 27526

OWNER

LEE REVIS

COPYRIGHT 2024 - ALL RIGHTS RESERVED
PRINTED OR ELECTRONIC DRAWINGS & DOCUMENTATION MAY NOT BE REPRODUCED OR DISTRIBUTED IN ANY WAY WITHOUT WRITTEN PERMISSION FROM TURPENTINE DESIGN

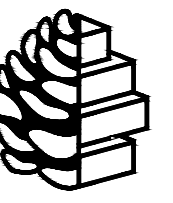
PHASE	PERMIT SET
DATE	03.14.2025
TD PROJECT #	24-024

DRAWING TITLE

NOTES

DRAWING NUMBER

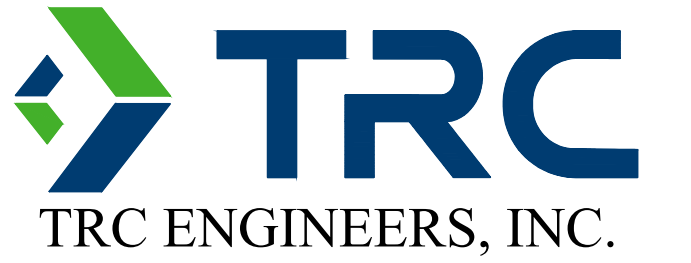
02.0



TURPENTINE DESIGN

1007 Procure Street
Fuquay-Varina, NC 27526

919.412.9138
turpentine-design.com

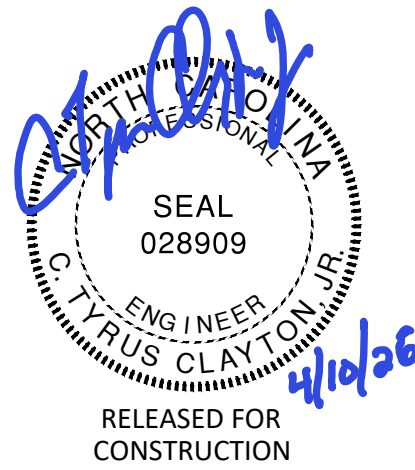


114 Edinburgh South Drive, Suite 200
Cary, NC 27511
919-873-1080 Fax: 919-873-1074
www.TRCCOMPANIES.com
NC Firm License # F-0591

REVISIONS

09/18/2024	FOR REVIEW
11/05/2024	RESPONSE TO COMMENTS
02/21/2025	GRADING REVISION TO COORDINATE WITH STRUCTURAL
04/10/2026	REV 01

SEALS



JWR VENTURES

NEW BUILDING

JWR VENTURES
192 JARCO DRIVE
FUQUAY-VARINA, NC 27526

OWNER
LEE REVIS

COPYRIGHT 2024 - ALL RIGHTS RESERVED
PRINTED OR ELECTRONIC DRAWINGS & DOCUMENTATION MAY NOT BE REPRODUCED OR DISTRIBUTED IN ANY WAY WITHOUT WRITTEN PERMISSION FROM TURPENTINE DESIGN

PHASE	PERMIT SET
DATE	03.14.2025
TD PROJECT #	24-024

DRAWING TITLE
NCG01 NOTES

DRAWING NUMBER

C2.1

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

REQUIRED GROUND STABILIZATION TIMEFRAMES		
SITE AREA DESCRIPTION	STABILIZE WITHIN THIS MANY CALENDAR DAYS AFTER CEASING LAND DISTURBANCE	TIMEFRAME VARIATIONS
(A) PERIMETER DIKES, SWALES, DITCHES, AND PERIMETER SLOPES	7	NONE
(B) HIGH QUALITY WATER (HOW) ZONES	7	NONE
(C) SLOPES STEEPER THAN 3:1	7	IF SLOPES ARE 10' OF LESS IN LENGTH AND ARE NOTE STEEPER THAN 2:1, 14 DAYS ALLOWED
(D) SLOPES 3:1 TO 4:1	14	-7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH AND WITH SLOPES STEEPER THAN 4:1 -7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND HOW ZONES -10 DAYS FOR FALLS LAKE WATERSHED
(E) AREAS WITH SLOPES FLATTER THAN 4:1	14	-7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND HOW ZONES -10 DAYS FOR LAKE WATERSHED UNLESS THERE IS ZERO SLOPE

NOTE: AFTER THE PERMANENT CESSATION OF CONSTRUCTION ACTIVITIES, ANY AREAS WITH TEMPORARY GROUND STABILIZATION SHALL BE CONVERTED TO PERMANENT GROUND STABILIZATION AS SOON AS PRACTICABLE BUT IN NO CASE LONGER THAN 90 CALENDAR DAYS AFTER THE LAST LAND DISTURBING ACTIVITY. TEMPORARY GROUND STABILIZATION SHALL BE MAINTAINED IN A MANNER TO RENDER THE SURFACE STABLE AGAINST ACCELERATED EROSION UNTIL PERMANENT GROUND STABILIZATION IS ACHIEVED.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

TEMPORARY SEEDING	PERMANENT STABILIZATION
- TEMPORARY GRASS SEED COVERED WITH STRAW OR OTHER MULCHES AND TACKIFIERS - HYDROSEEDING - ROLLED EROSION CONTROL PRODUCTS WITH OR WITHOUT TEMPORARY GRASS SEED - APPROPRIATELY APPLIED STRAW OR OTHER MULCH - PLASTIC SHEETING	- PERMANENT GRASS SEED COVERED WITH STRAW OR OTHER MULCHES AND TACKIFIERS - GEOTEXTILE FABRICS SUCH AS PERMANENT SOIL REINFORCEMENT MATTING - HYDROSEEDING - SHRUBS OR OTHER PERMANENT PLANTINGS COVERED WITH MULCH - UNIFORM AND EVENLY DISTRIBUTED GROUND COVER SUFFICIENT TO RESTRAIN EROSION - STRUCTURAL METHODS SUCH AS CONCRETE, ASPHALT OR RETAINING WALLS - ROLLED EROSION CONTROL PRODUCTS WITH GRASS SEED

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING

1. OCCURRENCES THAT MUST BE REPORTED

PERMITTEES SHALL REPORT THE FOLLOWING OCCURRENCES:

- (a) VISIBLE SEDIMENT DEPOSITION IN A STREAM OR WETLAND.
- (b) OIL SPILLS IF:
 - THEY ARE 25 GALLONS OR MORE,
 - THEY ARE LESS THAN 25 GALLONS BUT CANNOT BE CLEANED UP WITHIN 24 HOURS,
 - THEY CAUSE SHEEN ON SURFACE WATERS (REGARDLESS OF VOLUME), OR
 - THEY ARE WITHIN 100 FEET OF SURFACE WATERS (REGARDLESS OF VOLUME).

(c) RELEASES OF HAZARDOUS SUBSTANCES IN EXCESS OF REPORTABLE QUANTITIES UNDER SECTION 311 OF THE CLEAN WATER ACT (REF: 40 CFR 110.3 AND 40 CFR 117.3) OR SECTION 102 OF CERCLA (REF: 40 CFR 302.4) OR G.S. 143-215.85.

(d) ANTICIPATED BYPASSES AND UNANTICIPATED BYPASSES.

(e) NONCOMPLIANCE WITH THE CONDITIONS OF THIS PERMIT THAT MAY ENDANGER HEALTH OR THE ENVIRONMENT.

2. REPORTING TIMEFRAMES AND OTHER REQUIREMENTS

AFTER A PERMITTEE BECOMES AWARE OF AN OCCURRENCE THAT MUST BE REPORTED, HE SHALL CONTACT THE APPROPRIATE DIVISION REGIONAL OFFICE WITHIN THE TIMEFRAMES AND IN ACCORDANCE WITH THE OTHER REQUIREMENTS LISTED BELOW. OCCURRENCES OUTSIDE NORMAL BUSINESS HOURS MAY ALSO BE REPORTED TO THE DEPARTMENT'S ENVIRONMENTAL EMERGENCY CENTER PERSONNEL AT (800) 858-0368.

OCCURRENCE	REPORTING TIMEFRAMES (AFTER DISCOVERY) AND OTHER REQUIREMENT
(A) VISIBLE SEDIMENT DEPOSITION IN A STREAM OR WETLAND	- WITHIN 24 HOURS , AN ORAL OR ELECTRONIC NOTIFICATION. - WITHIN 7 CALENDAR DAYS , A REPORT THAT CONTAINS A DESCRIPTION OF THE SEDIMENT AND ACTIONS TAKEN TO ADDRESS THE CAUSE OF THE DEPOSITION. DIVISION STAFF MAY WAIVE THE REQUIREMENT FOR A WRITTEN REPORT ON A CASE-BY-CASE BASIS. - IF THE STREAM IS NAMED ON THE NC 303(D) LIST AS IMPAIRED FOR SEDIMENT-RELATED CAUSES, THE PERMITTEE MAY BE REQUIRED TO PERFORM ADDITIONAL MONITORING, INSPECTIONS OR APPLY MORE STRINGENT PRACTICES IF STAFF DETERMINE THAT ADDITIONAL REQUIREMENTS ARE NEEDED TO ASSURE COMPLIANCE WITH THE FEDERAL OR STATE IMPAIRED-WATERS CONDITIONS.
(B) OIL SPILLS AND RELEASE OF HAZARDOUS SUBSTANCES PER ITEM 1(B)-(C) ABOVE	- WITHIN 24 HOURS , AN ORAL OR ELECTRONIC NOTIFICATION. THE NOTIFICATION SHALL INCLUDE INFORMATION ABOUT THE DATE, TIME, NATURE, VOLUME AND LOCATION OF THE SPILL OR RELEASE.
(C) ANTICIPATED BYPASSES [40 CFR 122.41(M)(3)]	- A REPORT AT LEAST TEN DAYS BEFORE THE DATE OF THE BYPASS, IF POSSIBLE . THE REPORT SHALL INCLUDE AN EVALUATION OF THE ANTICIPATED QUALITY AND EFFECT OF THE BYPASS.
(D) UNANTICIPATED BYPASSES [40 CFR 122.41(M)(3)]	- WITHIN 24 HOURS , AN ORAL OR ELECTRONIC NOTIFICATION. - WITHIN 7 CALENDAR DAYS , A REPORT THAT INCLUDES AN EVALUATION OF THE QUALITY AND EFFECT OF THE BYPASS.
(E) NONCOMPLIANCE WITH THE CONDITIONS OF THIS PERMIT THAT MAY ENDANGER HEALTH OR THE ENVIRONMENT [40 CFR 122.41(L)(7)]	- WITHIN 24 HOURS , AN ORAL OR ELECTRONIC NOTIFICATION. - WITHIN 7 CALENDAR DAYS , A REPORT THAT CONTAINS A DESCRIPTION OF THE NONCOMPLIANCE, AND ITS CAUSES; THE PERIOD OF NONCOMPLIANCE, INCLUDING EXACT DATES AND TIMES, AND IF THE NONCOMPLIANCE HAS NOT BEEN CORRECTED, THE ANTICIPATED TIME NONCOMPLIANCE IS EXPECTED TO CONTINUE; AND STEPS TAKEN OR PLANNED TO REDUCE, ELIMINATE, AND PREVENT REOCCURRENCE OF THE NONCOMPLIANCE. [40 CFR 122.41(L)(6)]. - DIVISION STAFF MAY WAIVE THE REQUIREMENT FOR A WRITTEN REPORT ON A CASE-BY-CASE BASIS.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&S PLAN DOCUMENTATION

THE APPROVED E&S PLAN AS WELL AS ANY APPROVED DEVIATION SHALL BE KEPT ON THE SITE. THE APPROVED E&S PLAN MUST BE KEPT UP-TO-DATE THROUGHOUT THE COVERAGE UNDER THIS PERMIT. THE FOLLOWING ITEMS PERTAINING TO THE E&S PLAN SHALL BE KEPT ON SITE AND AVAILABLE FOR INSPECTION AT ALL TIMES DURING NORMAL BUSINESS HOURS.

ITEM TO DOCUMENT	DOCUMENTATION REQUIREMENTS
(A) EACH E&S MEASURE HAS BEEN INSTALLED AND DOES NOT SIGNIFICANTLY DEVIATE FROM THE LOCATIONS, DIMENSIONS AND RELATIVE ELEVATIONS SHOWN ON THE APPROVED E&S PLAN.	INITIAL AND DATE EACH E&S MEASURE ON A COPY OF THE APPROVED E&S PLAN OR COMPLETE. DATE AND SIGN AN INSPECTION REPORT THAT LISTS EACH E&S MEASURE SHOWN ON THE APPROVED E&S PLAN. THIS DOCUMENTATION IS REQUIRED UPON THE INITIAL INSTALLATION OF THE E&S MEASURES OR IF THE E&S MEASURES ARE MODIFIED AFTER INITIAL INSTALLATION.
(B) A PHASE OF GRADING HAS BEEN COMPLETED.	INITIAL AND DATE A COPY OF THE APPROVED E&S PLAN OR COMPLETE, DATE AND SIGN AN INSPECTION REPORT TO INDICATE COMPLETION OF THE CONSTRUCTION PHASE.
(C) GROUND COVER IS LOCATED AND INSTALLED IN ACCORDANCE WITH THE APPROVED E&S PLAN.	INITIAL AND DATE A COPY OF THE APPROVED E&S PLAN OR COMPLETE, DATE AND SIGN AN INSPECTION REPORT TO INDICATE COMPLIANCE WITH APPROVED GROUND COVER SPECIFICATIONS.
(D) THE MAINTENANCE AND REPAIR REQUIREMENTS FOR ALL E&S MEASURES HAVE BEEN PERFORMED.	COMPLETE, DATE AND SIGN AN INSPECTION REPORT.
(E) CORRECTIVE ACTIONS HAVE BEEN TAKEN TO E&S MEASURES.	INITIAL AND DATE A COPY OF THE APPROVED E&S PLAN OR COMPLETE, DATE AND SIGN AN INSPECTION REPORT TO INDICATE THE COMPLETION OF THE CORRECTIVE ACTION.

2. DOCUMENTATION TO BE RETAINED FOR THREE YEARS

ALL DATA USED TO COMPLETE THE E-NOI AND ALL INSPECTION RECORDS SHALL BE MAINTAINED FOR A PERIOD OF THREE YEARS AFTER PROJECT COMPLETION AND MADE AVAILABLE UPON REQUEST. [40 CFR 122.41]

3. ADDITIONAL DOCUMENTATION TO BE KEPT ON SITE

IN ADDITION TO THE E&S PLAN DOCUMENTS ABOVE, THE FOLLOWING ITEMS SHALL BE KEPT ON THE SITE AND AVAILABLE FOR INSPECTORS AT ALL TIMES DURING NORMAL BUSINESS HOURS, UNLESS THE DIVISION PROVIDES A SITE-SPECIFIC EXEMPTION BASED ON UNIQUE SITE CONDITIONS THAT MAKE THIS REQUIREMENT NOT PRACTICAL:

- (a) THIS GENERAL PERMIT AS WELL AS THE CERTIFICATE OF COVERAGE, AFTER IT IS RECEIVED.
- (b) RECORDS OF INSPECTIONS MADE DURING THE PREVIOUS TWELVE MONTHS. THE PERMITTEE SHALL RECORD THE REQUIRED OBSERVATIONS ON THE INSPECTION RECORD FORM PROVIDED BY THE DIVISION OR A SIMILAR INSPECTION FORM THAT INCLUDES ALL THE REQUIRED ELEMENTS. USE OF ELECTRONICALLY-AVAILABLE RECORDS IN LIEU OF THE REQUIRED PAPER COPIES WILL BE ALLOWED IF SHOWN TO PROVIDE EQUAL ACCESS AND UTILITY AS THE HARD-COPY RECORDS.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

SELF-INSPECTIONS ARE REQUIRED DURING NORMAL BUSINESS HOURS IN ACCORDANCE WITH THE TABLE BELOW. WHEN ADVERSE WEATHER OR SITE CONDITIONS WOULD CAUSE THE SAFETY OF THE INSPECTION PERSONNEL TO BE IN JEOPARDY, THE INSPECTION MAY BE DELAYED UNTIL THE NEXT BUSINESS DAY ON WHICH IT IS SAFE TO PERFORM THE INSPECTION. IN ADDITION, WHEN A STORM EVENT OF EQUAL TO OR GREATER THAN 1.0 INCH OCCURS OUTSIDE OF NORMAL BUSINESS HOURS, THE SELF-INSPECTION SHALL BE PERFORMED UPON THE COMMENCEMENT OF THE NEXT BUSINESS DAY. ANY TIME WHEN INSPECTIONS WERE DELAYED SHALL BE NOTED IN THE INSPECTION RECORD.

INSPECT	FREQUENCY DURING NORMAL BUSINESS HOURS	INSPECTION RECORDS MUST INCLUDE:
(1) RAIN GAUGE MAINTAINED IN GOOD WORKING ORDER	DAILY	DAILY RAINFALL AMOUNTS. IF NO DAILY RAIN GAUGE OBSERVATIONS ARE MADE DURING WEEKEND OR HOLIDAY PERIODS, AND NO INDIVIDUAL-DAY RAINFALL INFORMATION IS AVAILABLE, RECORD THE CUMULATIVE RAIN MEASUREMENT FOR THOSE UN-ATTENDED DAYS (AND THIS WILL DETERMINE IF A SITE INSPECTION IS NEEDED). DAYS ON WHICH NO RAINFALL OCCURRED SHALL BE RECORDED AS "ZERO." THE PERMITTEE MAY USE ANOTHER RAIN-MONITORING DEVICE APPROVED BY THE DIVISION.
(2) E&S MEASURES	AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT > 1.0 INCH IN 24 HOURS	1. IDENTIFICATION OF THE MEASURES INSPECTED. 2. DATE AND TIME OF THE INSPECTION. 3. NAME OF THE PERSON PERFORMING THE INSPECTION. 4. INDICATION OF WHETHER THE MEASURES WERE OPERATING PROPERLY. 5. DESCRIPTION OF MAINTENANCE NEEDED FOR THE MEASURE. 6. DESCRIPTION, EVIDENCE, AND DATE OF CORRECTIVE ACTIONS TAKEN.
(3) STORMWATER DISCHARGE OUTFALLS (SDOS)	AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT > 1.0 INCH IN 24 HOURS	1. IDENTIFICATION OF THE DISCHARGE OUTFALLS INSPECTED. 2. DATE AND TIME OF THE INSPECTION. 3. NAME OF THE PERSON PERFORMING THE INSPECTION. 4. EVIDENCE OF INDICATORS OF STORMWATER POLLUTION SUCH AS OIL SHEEN, FLOATING OR SUSPENDED SOLIDS OR DISCOLORATION. 5. INDICATION OF VISIBLE SEDIMENT LEAVING THE SITE. 6. DESCRIPTION, EVIDENCE, AND DATE OF CORRECTIVE ACTIONS TAKEN.
(4) PERIMETER OF SITE	AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT > 1.0 INCH IN 24 HOURS	IF VISIBLE SEDIMENTATION IS FOUND OUTSIDE SITE LIMITS, THEN A RECORD OF THE FOLLOWING SHALL BE MADE: 1. ACTIONS TAKEN TO CLEAN UP OR STABILIZE THE SEDIMENT THAT HAS LEFT THE SITE LIMITS. 2. DESCRIPTION, EVIDENCE, AND DATE OF CORRECTIVE ACTIONS TAKEN. 3. AN EXPLANATION AS TO THE ACTIONS TAKEN TO CONTROL FUTURE RELEASES.
(5) STREAMS OR WETLANDS ON-SITE OR OFF-SITE (WHERE ACCESSIBLE)	AT LEAST ONCE PER 7 CALENDAR DAYS AND WITHIN 24 HOURS OF A RAIN EVENT > 1.0 INCH IN 24 HOURS	IF THE STREAM OR WETLAND HAS INCREASED VISIBLE SEDIMENTATION OR A STREAM HAS VISIBLE INCREASED TURBIDITY FROM THE CONSTRUCTION ACTIVITY, THEN A RECORD OF THE FOLLOWING SHALL BE MADE: 1. DESCRIPTION, EVIDENCE AND DATE OF CORRECTIVE ACTIONS TAKEN. 2. RECORDS OF THE REQUIRED REPORTS TO THE APPROPRIATE DIVISION REGIONAL OFFICE PER PART III, SECTION C, ITEM 2(a) OF THIS PERMIT.
(6) GROUND STABILIZATION MEASURES	(6) GROUND STABILIZATION MEASURES AFTER EACH PHASE OF GRADING	1. THE PHASE OF GRADING (INSTALLATION OF PERIMETER E&S MEASURES, CLEARING AND GRUBBING, INSTALLATION OF STORM DRAINAGE FACILITIES, COMPLETION OF ALL LAND-DISTURBING ACTIVITY, CONSTRUCTION OR REDEVELOPMENT, PERMANENT GROUND COVER). 2. DOCUMENTATION THAT THE REQUIRED GROUND STABILIZATION MEASURES HAVE BEEN PROVIDED WITHIN THE REQUIRED TIMEFRAME OR AN ASSURANCE THAT THEY WILL BE PROVIDED AS SOON AS POSSIBLE.

NOTE: THE RAIN INSPECTION RESETS THE REQUIRED 7 CALENDAR DAY INSPECTION REQUIREMENT.

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

SEDIMENT BASINS AND TRAPS THAT RECEIVE RUNOFF FROM DRAINAGE AREAS OF ONE ACRE OR MORE SHALL USE OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE WHEN THESE DEVICES NEED TO BE DRAWN DOWN FOR MAINTENANCE OR CLOSE OUT UNLESS THIS IS INFEASIBLE. THE CIRCUMSTANCES IN WHICH IT IS NOT FEASIBLE TO WITHDRAW WATER FROM THE SURFACE SHALL BE RARE (FOR EXAMPLE, TIMES WITH EXTENDED COLD WEATHER). NON-SURFACE WITHDRAWALS FROM SEDIMENT BASINS SHALL BE ALLOWED ONLY WHEN ALL OF THE FOLLOWING CRITERIA HAVE BEEN MET:

- (a) THE E&S PLAN AUTHORITY HAS BEEN PROVIDED WITH DOCUMENTATION OF THE NON-SURFACE WITHDRAWAL AND THE SPECIFIC TIME PERIODS OR CONDITIONS IN WHICH IT WILL OCCUR. THE NON-SURFACE WITHDRAWAL SHALL NOT COMMENCE UNTIL THE E&S PLAN AUTHORITY HAS PROVIDED THESE ITEMS,
- (b) THE NON-SURFACE WITHDRAWAL HAS BEEN REPORTED AS AN ANTICIPATED BYPASS IN ACCORDANCE WITH PART III, SECTION C, ITEM 2(C) AND (D) OF THIS PERMIT,
- (c) DEWATERING DISCHARGES ARE TREATED WITH CONTROLS TO MINIMIZE DISCHARGES OF POLLUTANTS FROM STORMWATER THAT IS REMOVED FROM THE SEDIMENT BASIN. EXAMPLES OF APPROPRIATE CONTROLS INCLUDE PROPERLY SITED, DESIGNED AND MAINTAINED DEWATERING TANKS, WEIR TANKS, AND FILTRATION SYSTEMS,
- (d) VEGETATED, UPLAND AREAS OF THE SITES OR A PROPERLY DESIGNED STONE PAD IS USED TO THE EXTENT FEASIBLE AT THE OUTLET OF THE DEWATERING TREATMENT DEVICES DESCRIBED IN ITEM (C) ABOVE,
- (e) VELOCITY DISSIPATION DEVICES SUCH AS CHECK DAMS, SEDIMENT TRAPS, AND RIPRAP ARE PROVIDED AT THE DISCHARGE POINTS OF ALL DEWATERING DEVICES, AND
- (f) SEDIMENT REMOVED FROM THE DEWATERING TREATMENT DEVICES DESCRIBED IN ITEM (C) ABOVE IS DISPOSED OF IN A MANNER THAT DOES NOT CAUSE DEPOSITION OF SEDIMENT INTO WATERS OF THE UNITED STATES.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

1. NEVER BURY OR BURN WASTE. PLACE LITTER AND DEBRIS IN APPROVED WASTE CONTAINERS.
2. PROVIDE A SUFFICIENT NUMBER AND SIZE OF WASTE CONTAINERS (E.G. DUMPSTER, TRASH RECEPTACLE) ON SITE TO CONTAIN CONSTRUCTION AND DOMESTIC WASTES.
3. LOCATE WASTE CONTAINERS AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
4. LOCATE WASTE CONTAINERS ON AREAS THAT DO NOT RECEIVE SUBSTANTIAL AMOUNTS OF RUNOFF FROM UPLAND AREAS AND DOES NOT DRAIN DIRECTLY TO A STORM DRAIN, STREAM OR WETLAND.
5. COVER WASTE CONTAINERS AT THE END OF EACH WORKDAY AND BEFORE STORM EVENTS OR PROVIDE SECONDARY CONTAINMENT. REPAIR OR REPLACE DAMAGED WASTE CONTAINERS.
6. ANCHOR ALL LIGHTWEIGHT ITEMS IN WASTE CONTAINERS DURING TIMES OF HIGH WINDS.
7. EMPTY WASTE CONTAINERS AS NEEDED TO PREVENT OVERFLOW. CLEAN UP IMMEDIATELY IF CONTAINERS OVERFLOW.
8. DISPOSE WASTE OFF-SITE AT AN APPROVED DISPOSAL FACILITY.
9. ON BUSINESS DAYS, CLEAN UP AND DISPOSE OF WASTE IN DESIGNATED WASTE CONTAINERS.

HAZARDOUS AND TOXIC WASTE

1. CREATE DESIGNATED HAZARDOUS WASTE COLLECTION AREAS ON-SITE.
2. PLACE HAZARDOUS WASTE CONTAINERS UNDER COVER OR IN SECONDARY CONTAINMENT.
3. DO NOT STORE HAZARDOUS CHEMICALS, DRUMS OR BAGGED MATERIALS DIRECTLY ON THE GROUND.

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

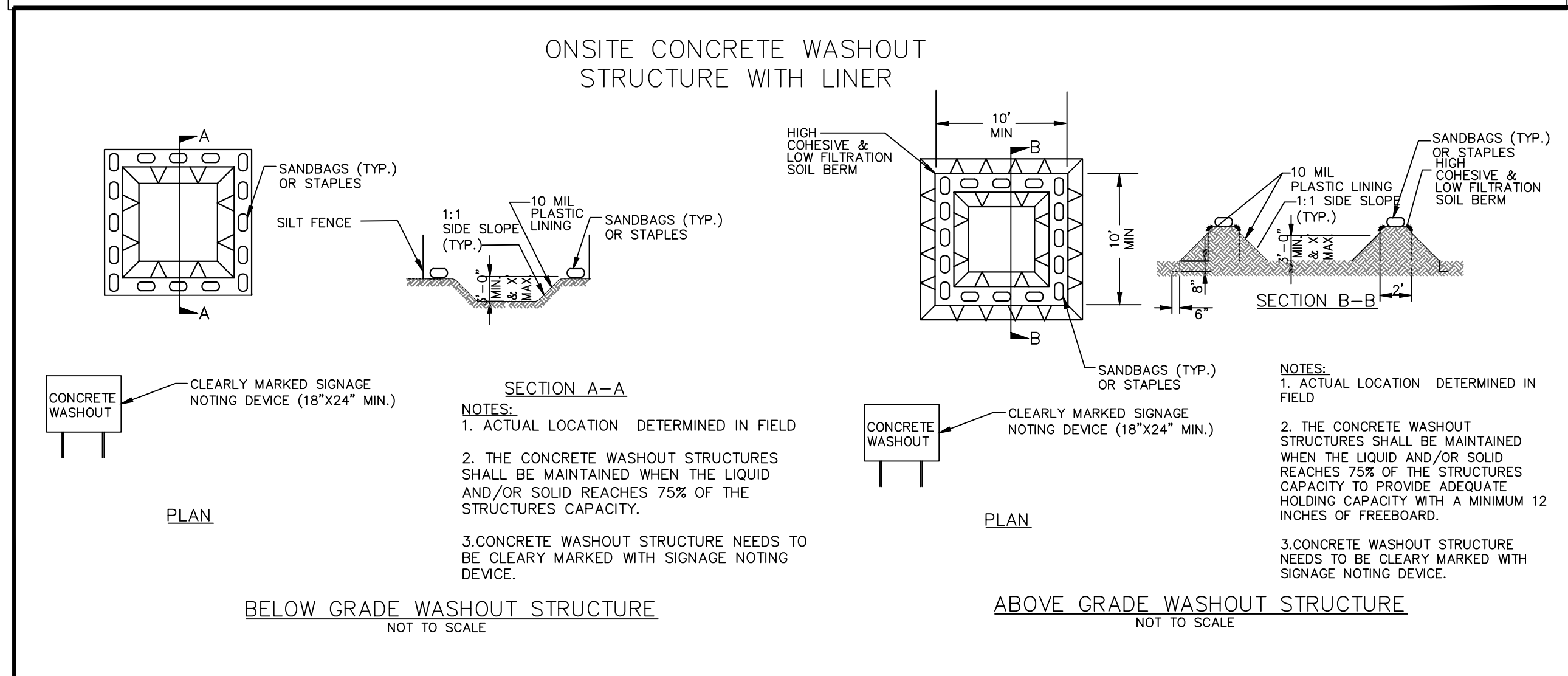
1. SELECT FLOCCULANTS THAT ARE APPROPRIATE FOR THE SOILS BEING EXPOSED DURING CONSTRUCTION, SELECTING FROM THE *NC DWR LIST OF APPROVED PAMS/FLOCCULANTS*.
2. APPLY FLOCCULANTS AT OR BEFORE THE INLETS TO EROSION AND SEDIMENT CONTROL MEASURES.
3. APPLY FLOCCULANTS AT THE CONCENTRATIONS SPECIFIED IN THE *NC DWR LIST OF APPROVED PAMS/FLOCCULANTS* AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
4. PROVIDE PONDING AREA FOR CONTAINMENT OF TREATED STORMWATER BEFORE DISCHARGING OFFSITE.
5. STORE FLOCCULANTS IN LEAK-PROOF CONTAINERS THAT ARE KEPT UNDER STORM-RESISTANT COVER OR SURROUNDED BY SECONDARY CONTAINMENT STRUCTURES.

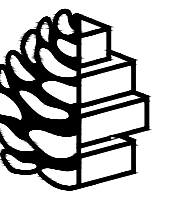
EQUIPMENT AND VEHICLE MAINTENANCE

1. MAINTAIN VEHICLES AND EQUIPMENT TO PREVENT DISCHARGE OF FLUIDS.
2. PROVIDE DRIP PANS UNDER ANY STORED EQUIPMENT.
3. IDENTIFY LEAKS AND REPAIR AS SOON AS FEASIBLE, OR REMOVE LEAKING EQUIPMENT FROM THE PROJECT.
4. COLLECT ALL SPENT FLUIDS, STORE IN SEPARATE CONTAINERS AND PROPERLY DISPOSE AS HAZARDOUS WASTE (RECYCLE WHEN POSSIBLE).
5. REMOVE LEAKING VEHICLES AND CONSTRUCTION EQUIPMENT FROM SERVICE UNTIL THE PROBLEM HAS BEEN CORRECTED.
6. BRING USED FUELS, LUBRICANTS, COOLANTS, HYDRAULIC FLUIDS AND OTHER PETROLEUM PRODUCTS TO A RECYCLING OR DISPOSAL CENTER THAT HANDLES THESE MATERIALS.

CONCRETE WASHOUTS

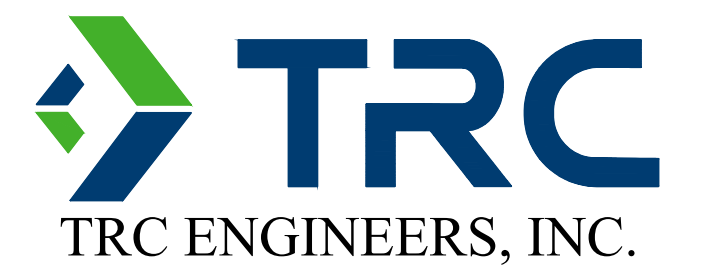
1. DO NOT DISCHARGE CONCRETE OR CEMENT SLURRY FROM THE SITE.
2. DISPOSE OF, OR RECYCLE SETTLED, HARDENED CONCRETE RESIDUE IN ACCORDANCE WITH LOCAL AND STATE SOLID WASTE REGULATIONS AND AT AN APPROVED FACILITY.
3. MANAGE WASHOUT FROM MORTAR MIXERS IN ACCORDANCE WITH THE ABOVE ITEM AND IN ADDITION PLACE THE MIXER AND ASSOCIATED MATERIALS ON IMPERVIOUS BARRIER AND WITHIN LOT PERIMETER SILT FENCE.
4. INSTALL TEMPORARY CONCRETE WASHOUTS PER LOCAL REQUIREMENTS, WHERE APPLICABLE. IF AN ALTERNATE METHOD OR PRODUCT IS TO BE USED, CONTACT YOUR APPROVAL AUTHORITY FOR REVIEW AND APPROVAL. IF LOCAL STANDARD DETAILS ARE NOT AVAILABLE, USE ONE OF THE TWO TYPES OF TEMPORARY CONCRETE WASHOUTS PROVIDED ON THIS DETAIL.
5. DO NOT USE CONCRETE WASHOUTS FOR DEWATERING OR STORING DEFECTIVE CURB OR SIDEWALK SECTIONS. STORMWATER ACCUMULATED WITHIN THE WASHOUT MAY NOT BE PUMPED INTO OR DISCHARGED TO THE STORM DRAIN SYSTEM OR RECEIVING SURFACE WATERS. LIQUID WASTE MUST BE PUMPED OUT AND REMOVED FROM PROJECT.
6. LOCATE WASHOUTS AT LEAST 50 FEET FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE. AT A MINIMUM, INSTALL PROTECTION OF STORM DRAIN INLET(S) CLOSEST TO THE WASHOUT WHICH COULD RECEIVE SPILLS OR OVERFLOW.
7. LOCATE WASHOUTS IN AN EASILY ACCESSIBLE AREA, ON LEVEL GROUND AND INSTALL A STONE ENTRANCE PAD IN FRONT OF THE WASHOUT. ADDITIONAL CONTROLS MAY BE REQUIRED BY THE APPROVING AUTHORITY.
8. INSTALL AT LEAST ONE SIGN DIRECTING CONCRETE TRUCKS TO THE WASHOUT WITHIN THE PROJECT LIMITS. POST SIGNAGE ON THE WASHOUT ITSELF TO IDENTIFY THIS LOCATION.
9. REMOVE LEAVINGS FROM THE WASHOUT WHEN AT APPROXIMATELY 75% CAPACITY TO LIMIT OVERFLOW EVENTS. REPLACE THE TARP, SAND BAGS OR OTHER TEMPORARY STRUCTURAL COMPONENTS WHEN NO LONGER FUNCTIONAL. WHEN UTILIZING ALTERNATIVE OR PROPRIETARY PRODUCTS, FOLLOW MANUFACTURER'S INSTRUCTIONS.
10. AT THE COMPLETION OF THE CONCRETE WORK, REMOVE REMAINING LEAVINGS AND DISPOSE OF IN AN APPROVED DISPOSAL FACILITY. FILL PIT, IF APPLICABLE, AND STABILIZE ANY DISTURBANCE CAUSED BY REMOVAL OF WASHOUT.





TURPENTINE DESIGN

1007 Procure Street
Fuquay-Varina, NC 27526
919.412.9138
turpentine-design.com



114 Edinburg South Drive, Suite 200
Cary, NC 27511
919-873-1050 Fax: 919-873-1074
www.TRCCOMPANIES.com
NC Firm License # F-0591

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	- - -
FIRE HYDRANT	●
WATER METER	○
COMMUNICATIONS PEDESTAL	◻

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

REVISIONS	
09/18/2024	FOR REVIEW
11/05/2024	RESPONSE TO COMMENTS
02/21/2025	GRADING REVISION TO COORDINATE WITH STRUCTURAL
04/10/2026	REV 01

SEALS

RELEASED FOR CONSTRUCTION

JWR VENTURES

NEW BUILDING

JWR VENTURES
192 JARCO DRIVE
FUQUAY-VARINA, NC 27526

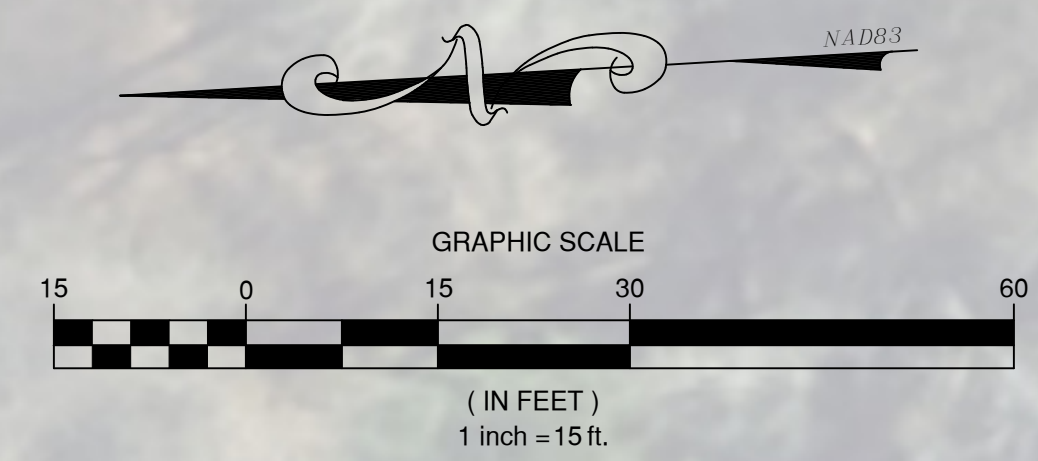
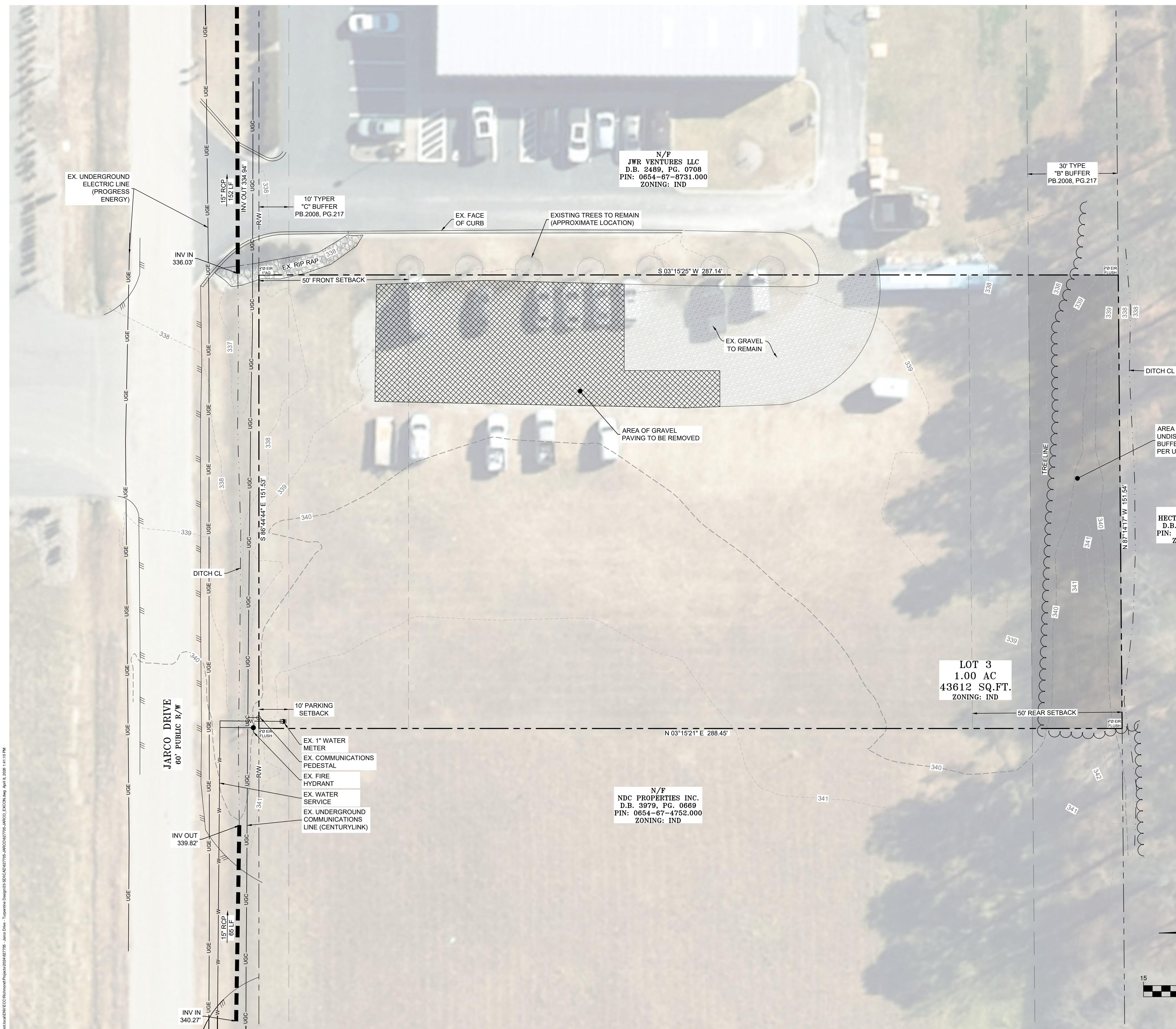
OWNER
LEE REVIS

COPYRIGHT 2024 - ALL RIGHTS RESERVED
PRINTED OR ELECTRONIC DRAWINGS & DOCUMENTATION MAY NOT BE REPRODUCED OR REDISTRIBUTED IN ANY WAY WITHOUT WRITTEN PERMISSION FROM TURPENTINE DESIGN

PHASE	PERMIT SET
DATE	03.14.2025
TD PROJECT #	24-024

DRAWING TITLE
EXISTING CONDITIONS AND DEMOLITION PLAN

DRAWING NUMBER
C3.0



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:

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

N/F
 NDC PROPERTIES INC.
 D.B. 3979, PG. 0669
 PIN: 0654-67-4752.000
 ZONING: IND

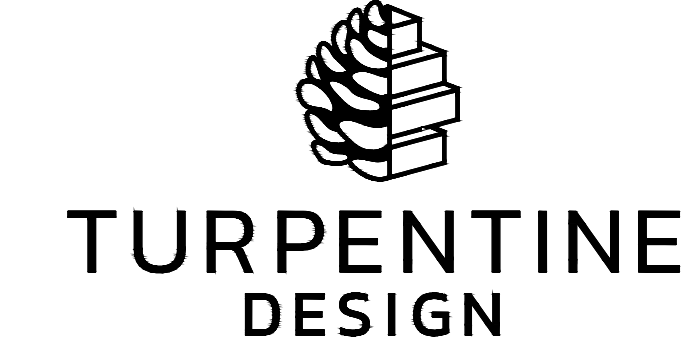
SITE PLAN & UTILITY LEGEND

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

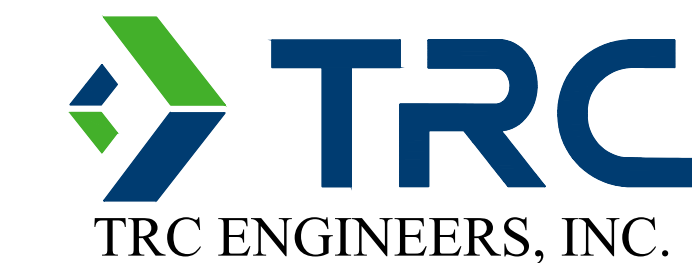
LANDSCAPE LEGEND

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

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



1007 Procure Street
 Fuquay-Varina, NC 27526
 919.412.9138
 turpentine-design.com



114 Edinburgh South Drive, Suite 200
 Cary, NC 27511
 919-873-1080 Fax: 919-873-1074
 www.TRCCOMPANIES.com
 NC Firm License # F-0591

REVISIONS

DATE	DESCRIPTION
09/18/2024	FOR REVIEW
11/05/2024	RESPONSE TO COMMENTS
02/21/2025	GRADING REVISION TO COORDINATE WITH STRUCTURAL
04/10/2026	REV 01

SEALS



JWR VENTURES

NEW BUILDING

JWR VENTURES
 192 JARCO DRIVE
 FUQUAY-VARINA, NC 27526

OWNER
LEE REVIS

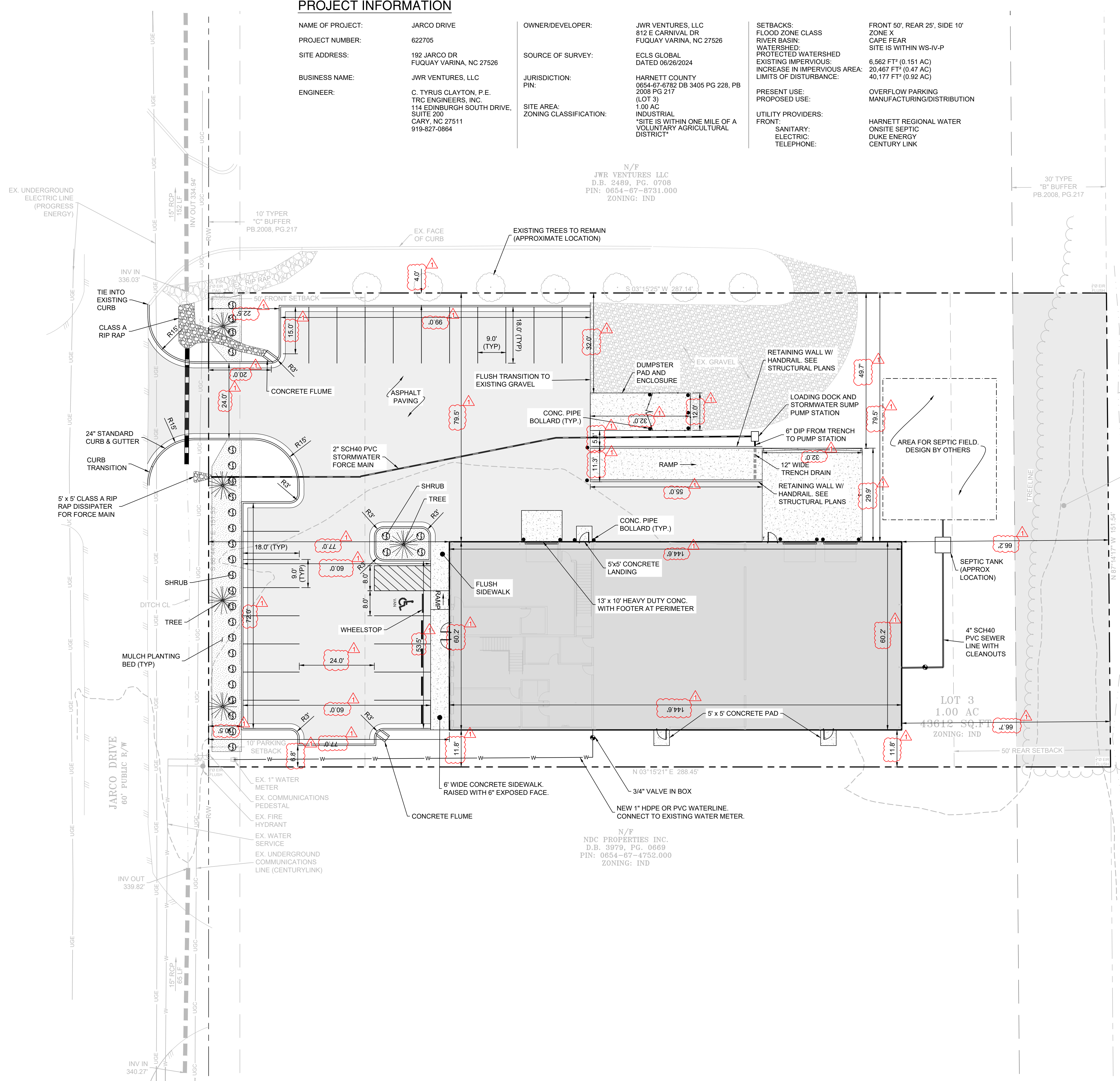
COPYRIGHT 2024 - ALL RIGHTS RESERVED
 PRINTED OR ELECTRONIC DRAWINGS & DOCUMENTATION MAY NOT BE REPRODUCED OR REDISTRIBUTED IN ANY WAY WITHOUT WRITTEN PERMISSION FROM TURPENTINE DESIGN

PHASE	PERMIT SET DATE
DATE	03.14.2025
TD PROJECT #	24-024

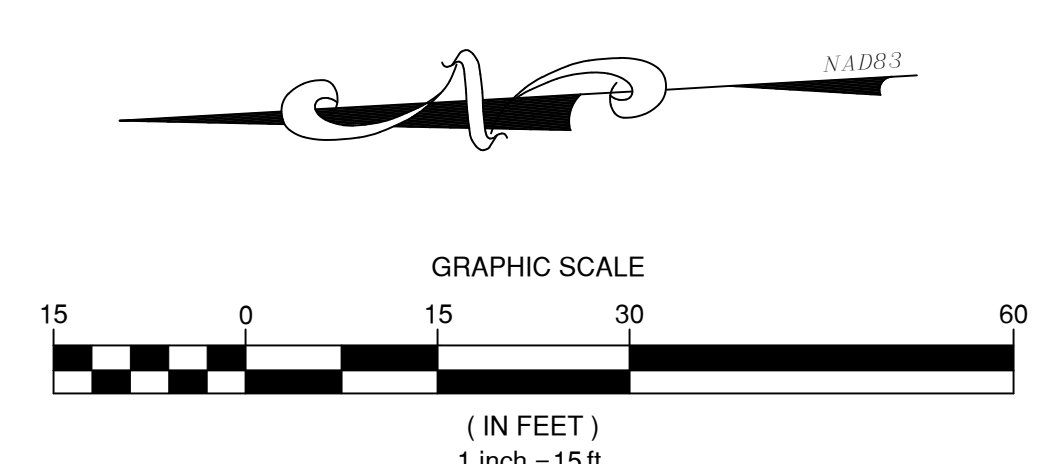
DRAWING TITLE
SITE LAYOUT, UTILITY, & LANDSCAPE PLAN

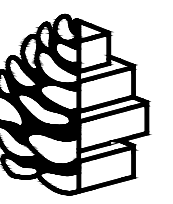
DRAWING NUMBER

C5.0



- 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.

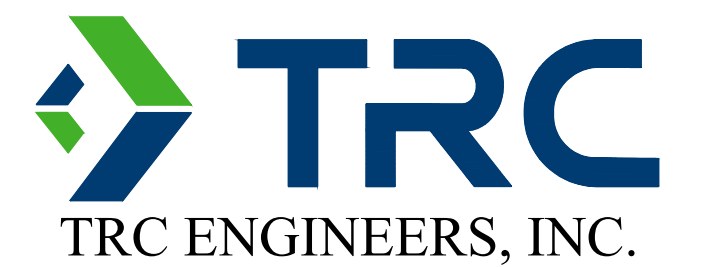




TURPENTINE DESIGN

1007 Procure Street
Fuquay-Varina, NC 27526

919.412.9138
turpentine-design.com



114 Edinburgh South Drive, Suite 200
Cary, NC 27511
919-373-1000 Fax: 919-373-1074
www.TRCCOMPANIES.com
NC Firm License # F-0591

REVISIONS

09/18/2024	FOR REVIEW
11/05/2024	RESPONSE TO COMMENTS
02/21/2025	GRADING REVISION TO COORDINATE WITH STRUCTURAL
04/10/2026	REV 01

SEALS



JWR VENTURES

NEW BUILDING

JWR VENTURES
192 JARCO DRIVE
FUQUAY-VARINA, NC 27526

OWNER
LEE REVIS

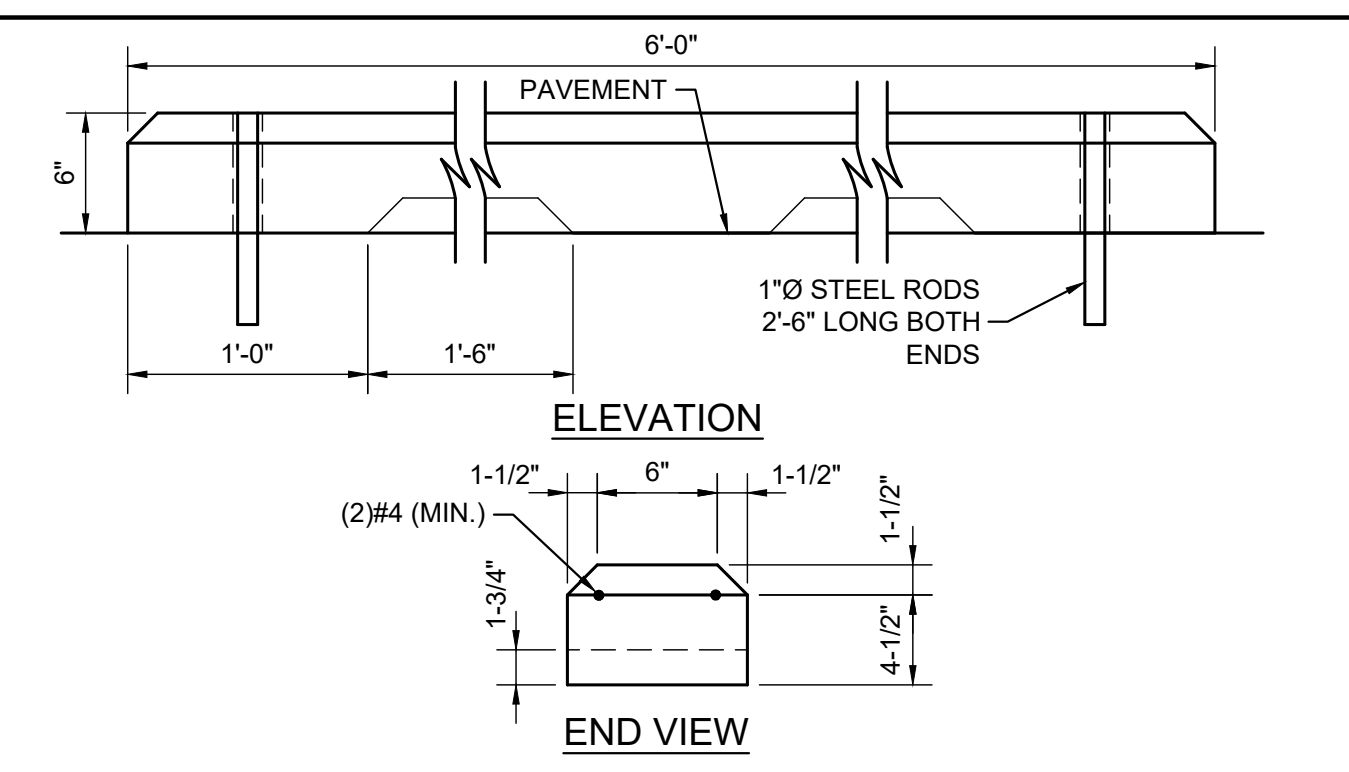
COPYRIGHT 2024 - ALL RIGHTS RESERVED
PRINTED OR ELECTRONIC DRAWINGS & DOCUMENTATION MAY NOT BE REPRODUCED OR DISTRIBUTED IN ANY WAY WITHOUT WRITTEN PERMISSION FROM TURPENTINE DESIGN

PHASE	PERMIT SET
DATE	03.14.2025
TD PROJECT #	24-024

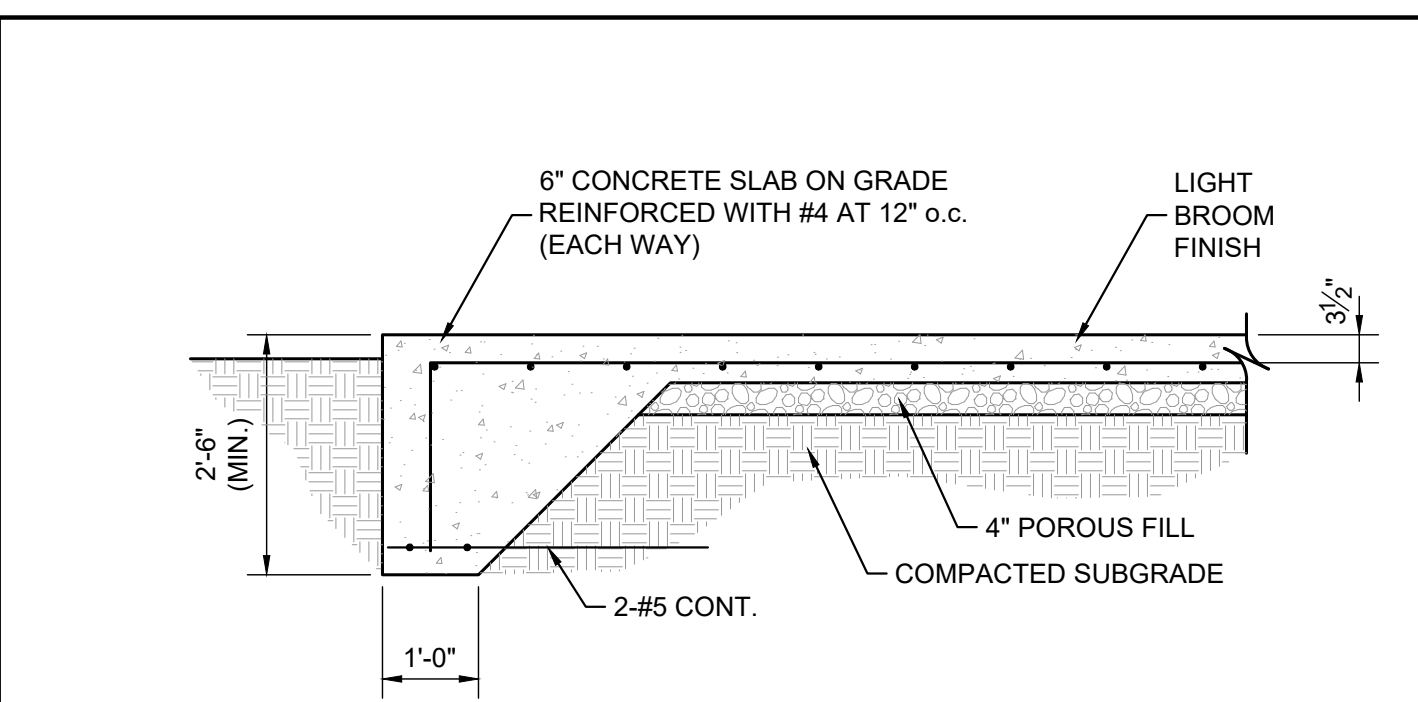
DRAWING TITLE
SITE DETAILS

DRAWING NUMBER

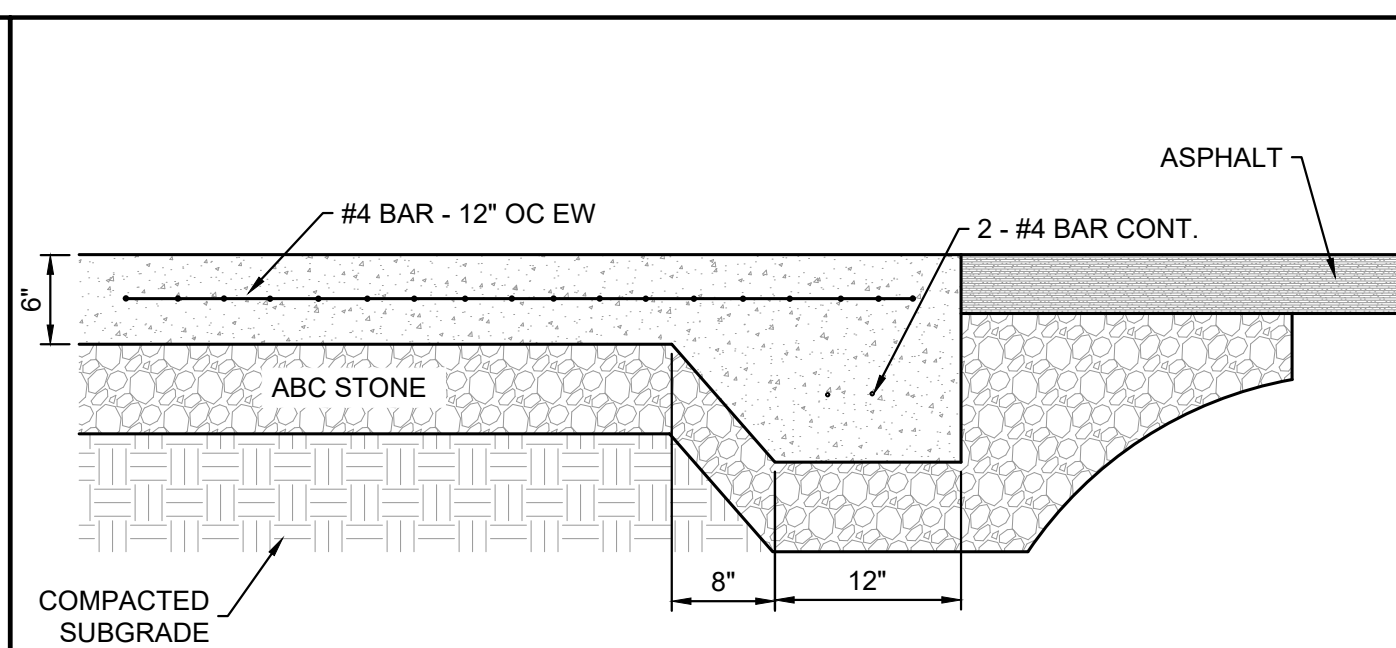
C7.2



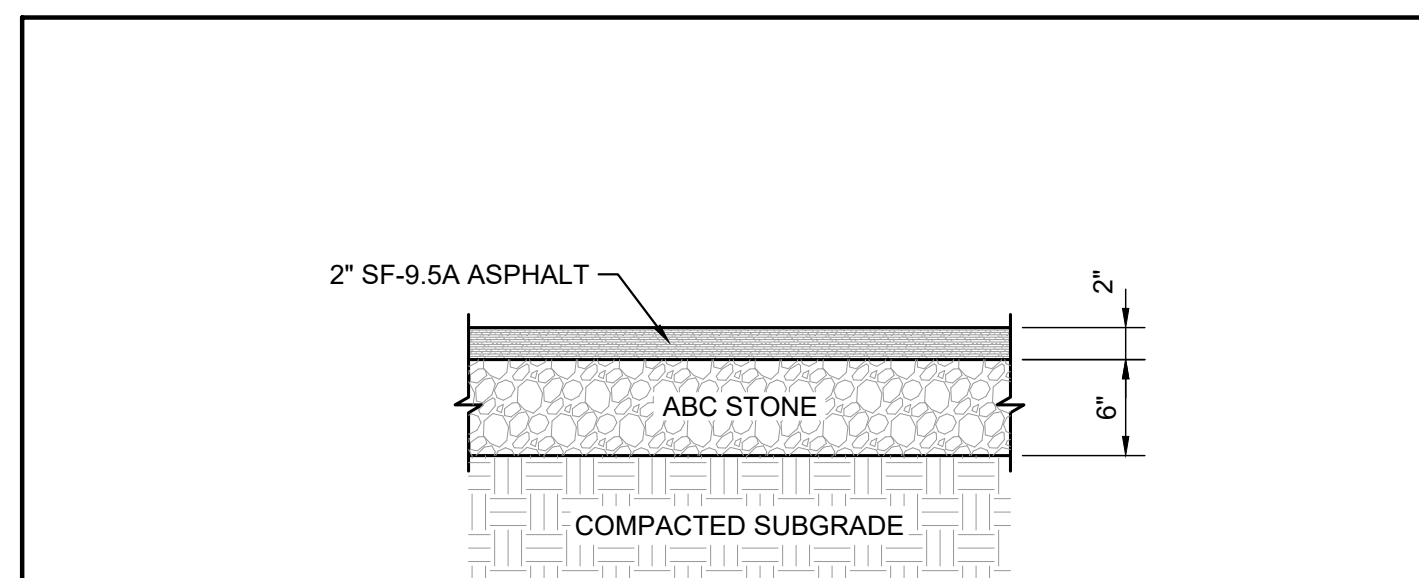
4 PRECAST WHEEL STOP DETAIL
Sheet C7.2 NOT TO SCALE



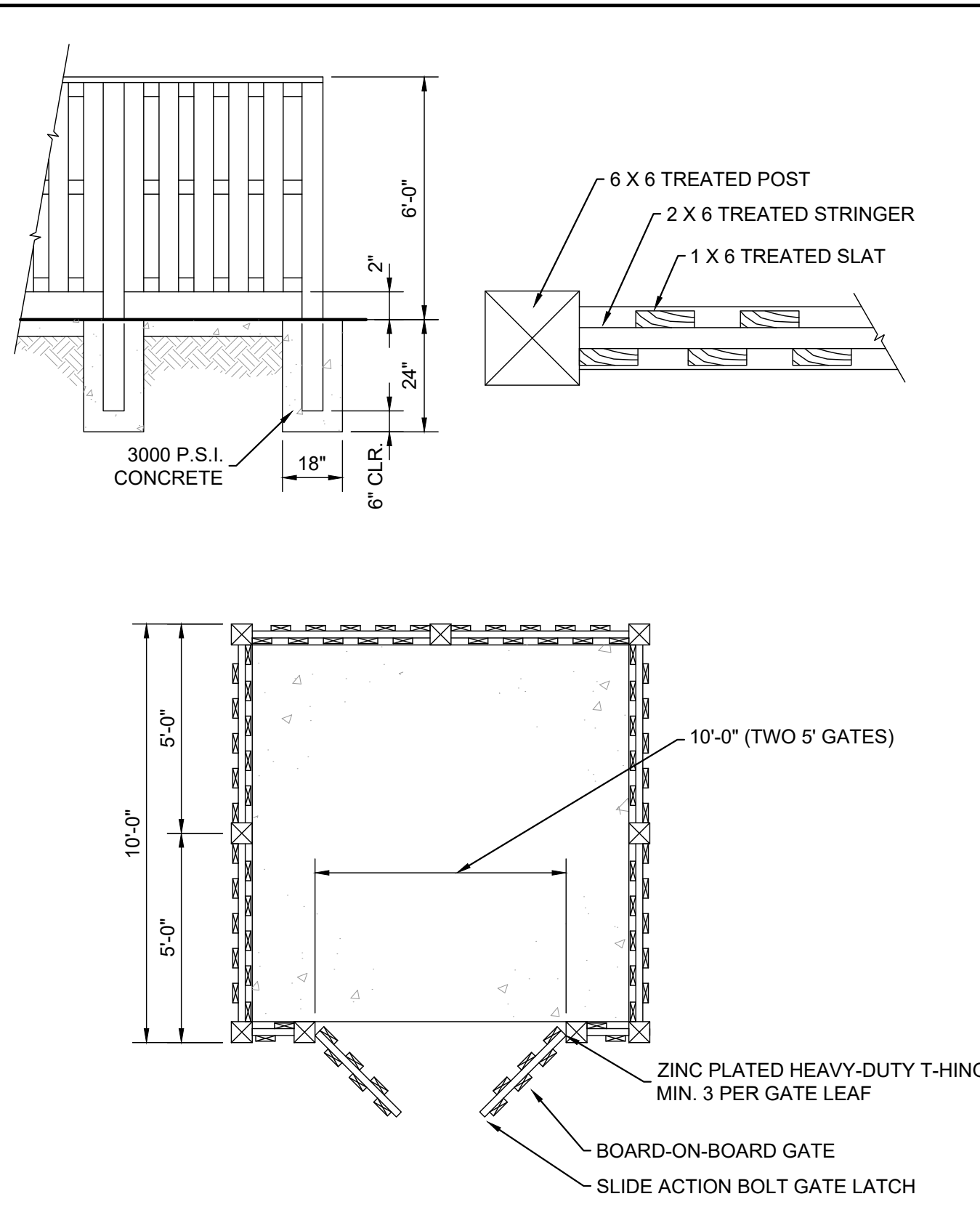
3 TYPICAL DUMPSTER PAD EDGE DETAIL
Sheet C7.2 NOT TO SCALE



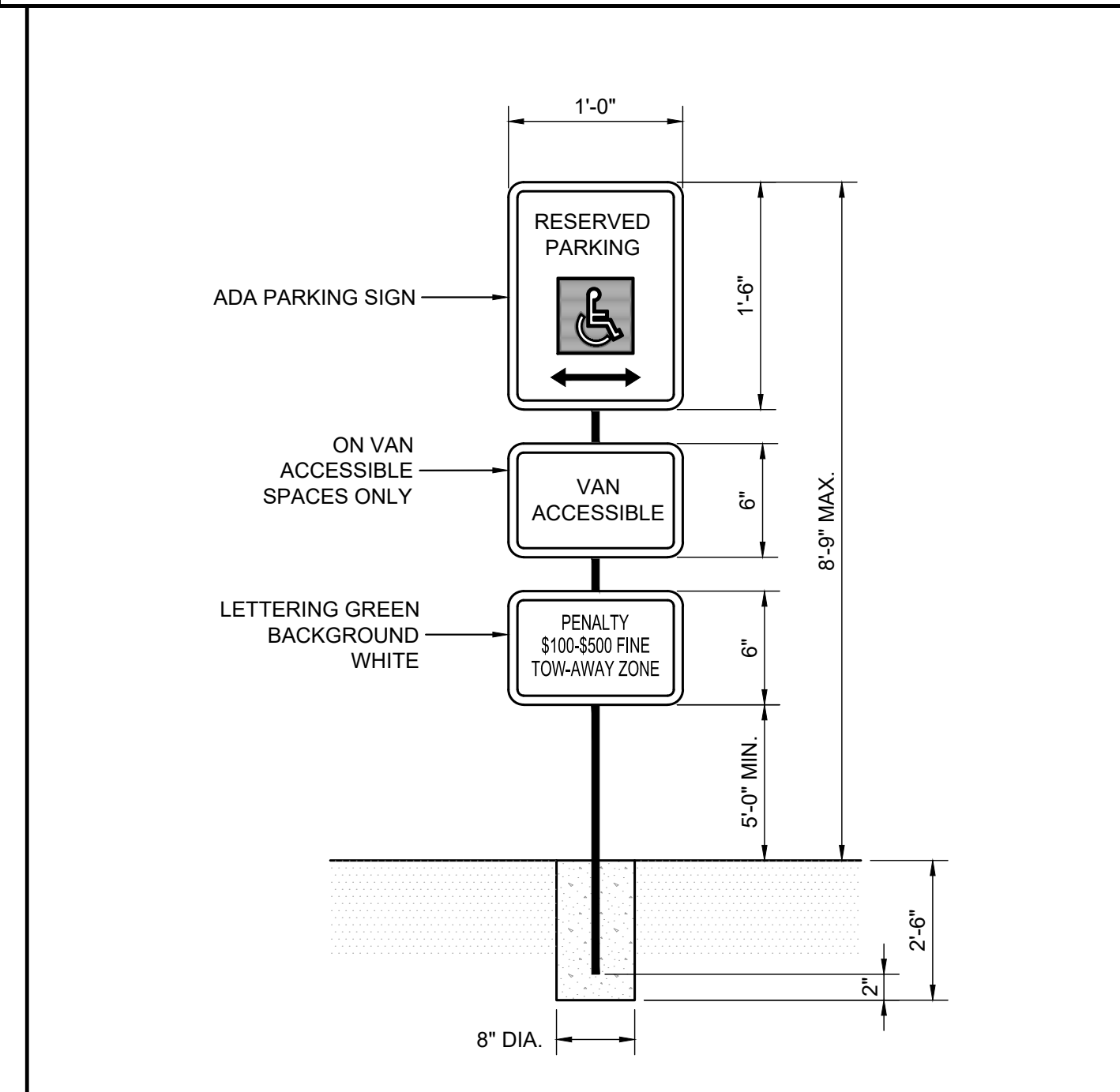
2 HEAVY DUTY CONCRETE DETAIL
Sheet C10.0 NTS



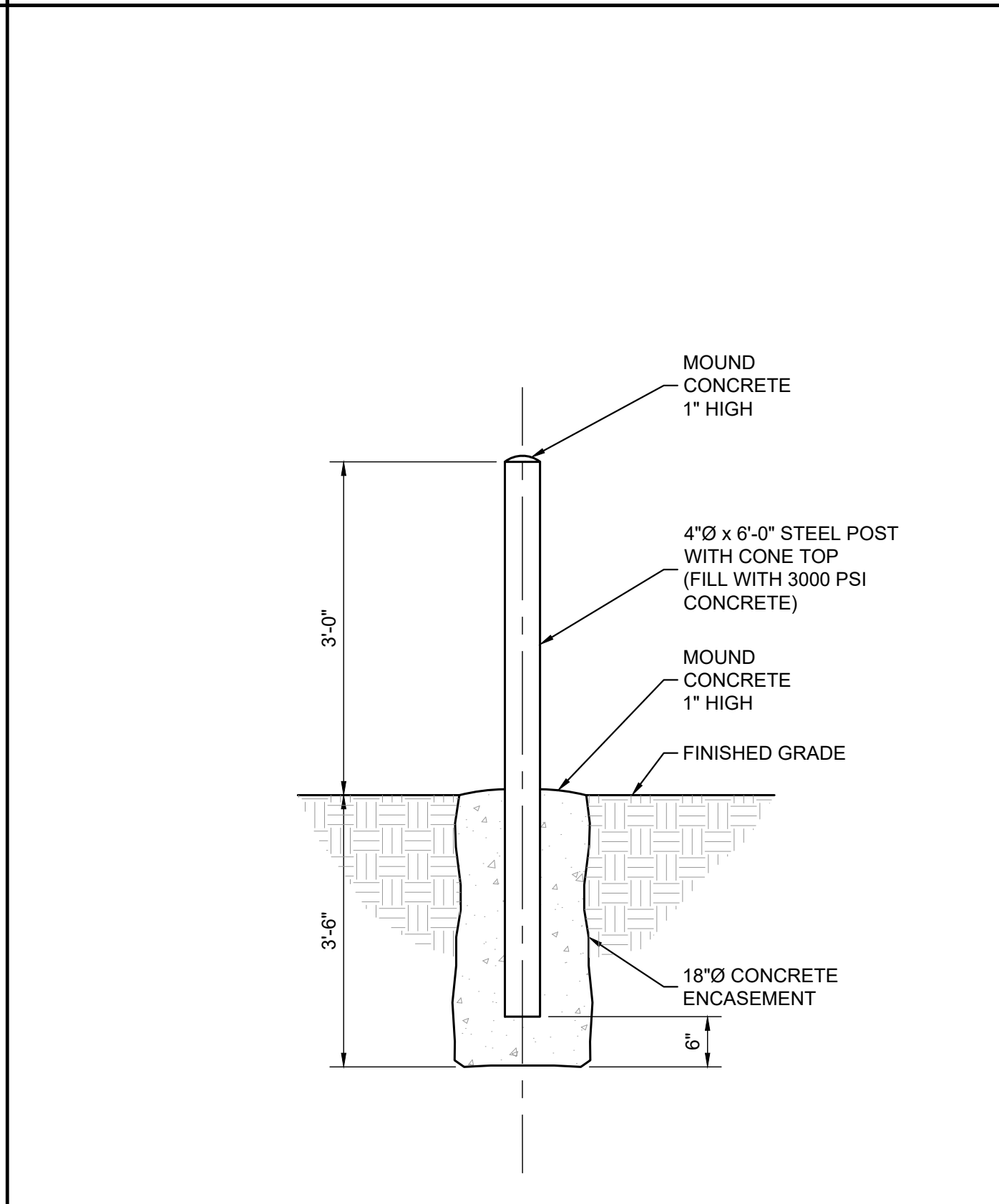
1 STANDARD DUTY ASPHALT DETAIL
Sheet C10.0 NTS



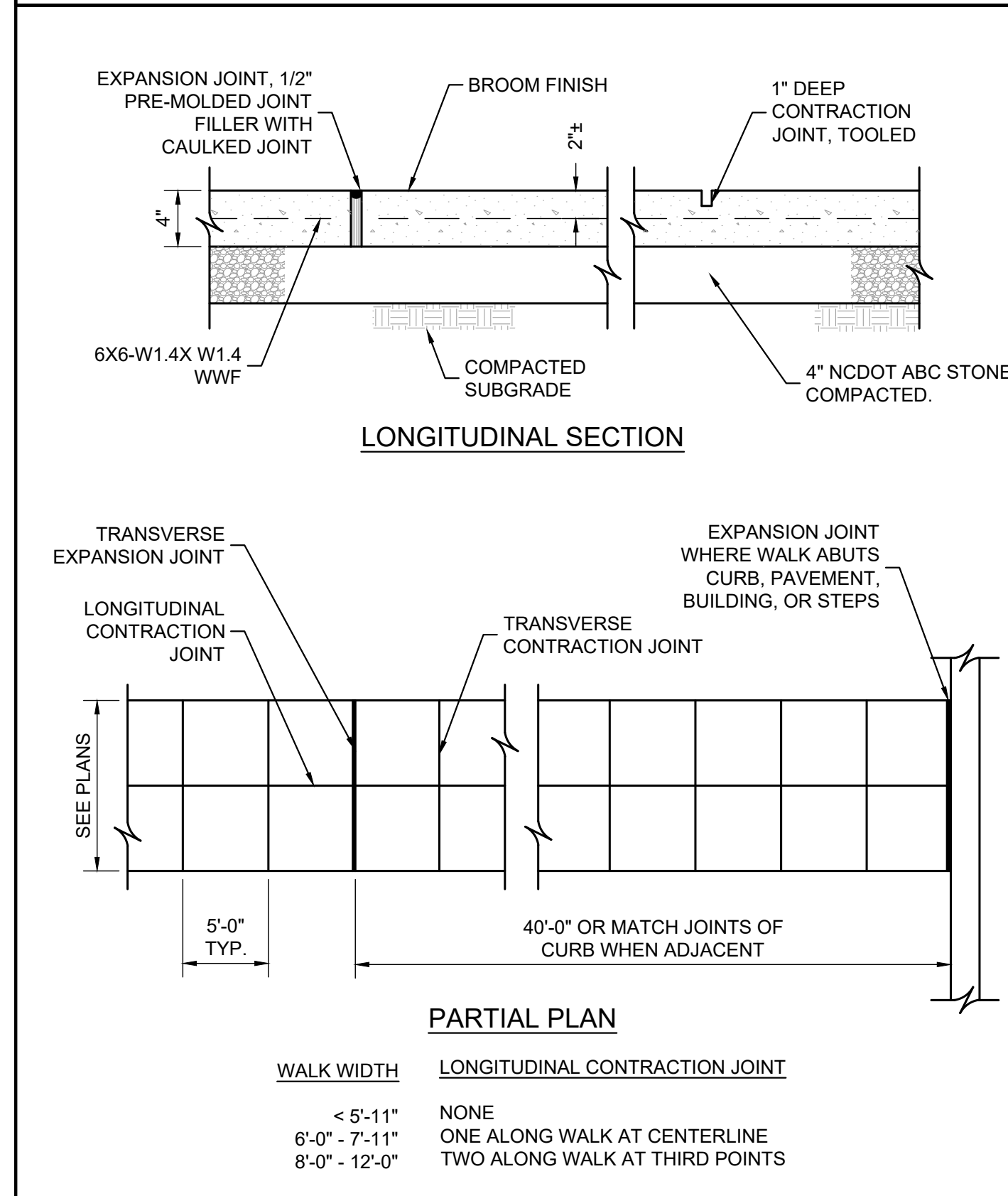
8 BOARD ON BOARD DUMPSTER SCREEN DETAIL
Sheet C7.2 NOT TO SCALE



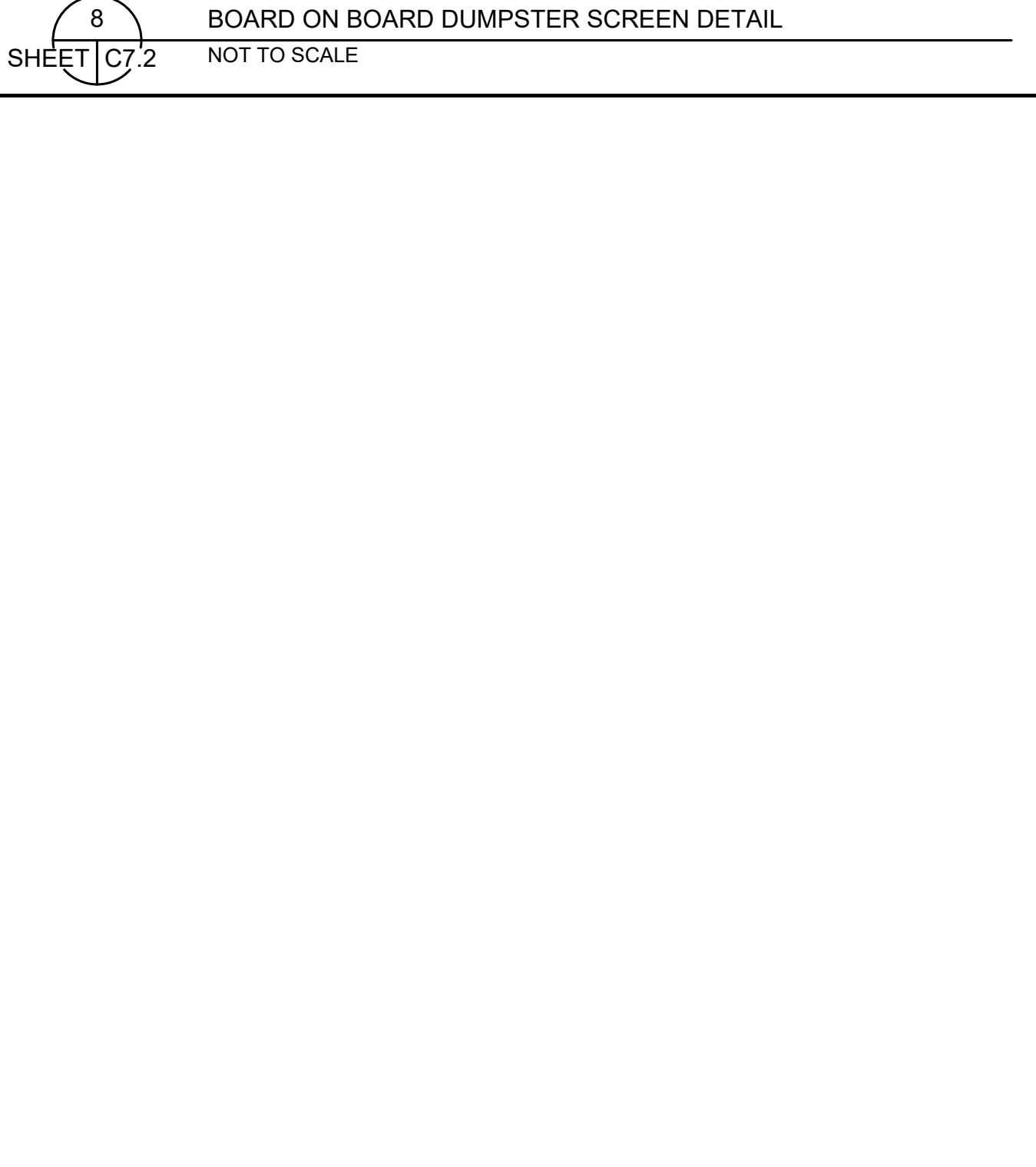
7 VDOT R7-8 ADA VAN ACCESSIBLE SIGN
Sheet C7.2 NOT TO SCALE



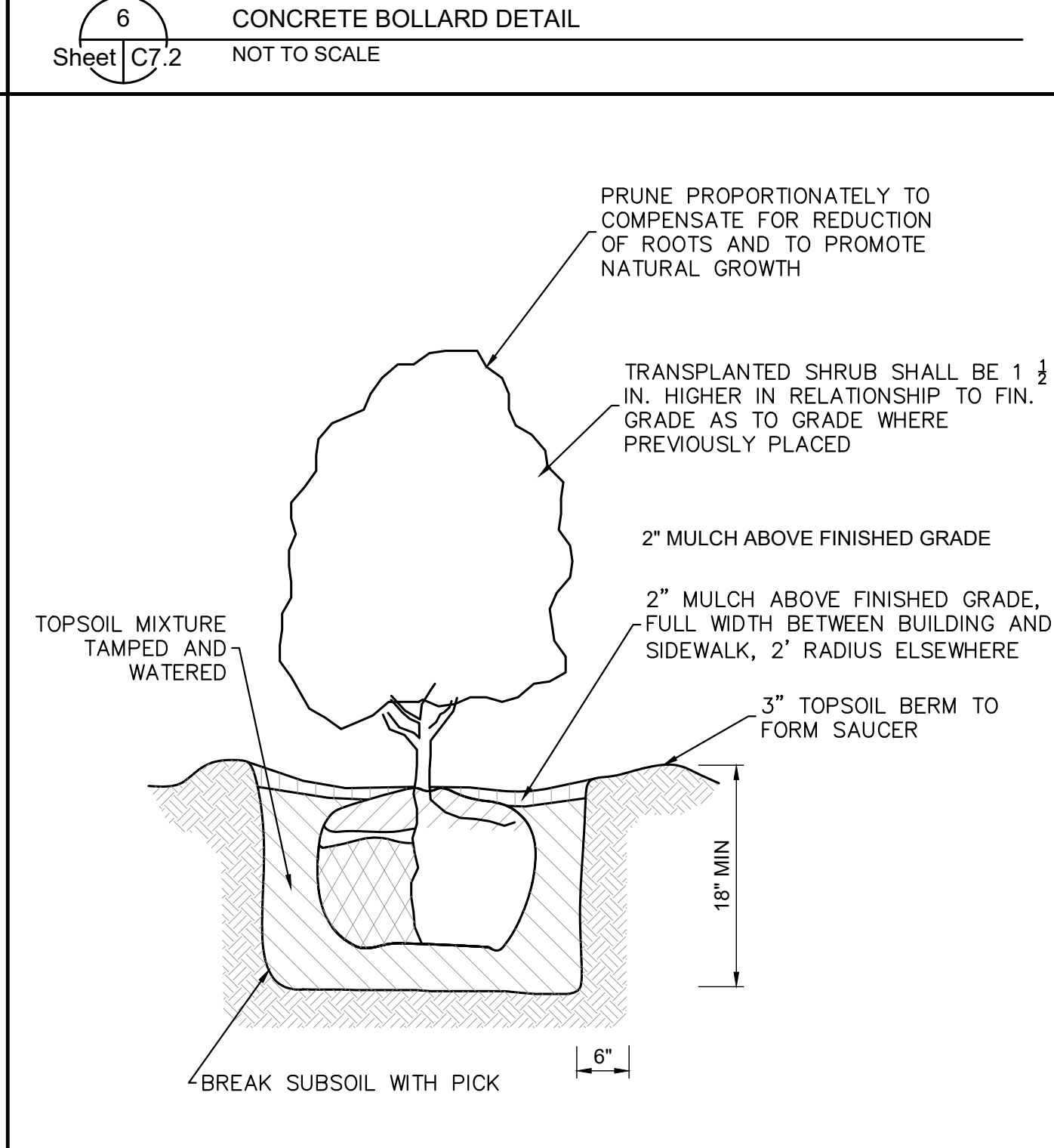
6 CONCRETE BOLLARD DETAIL
Sheet C7.2 NOT TO SCALE



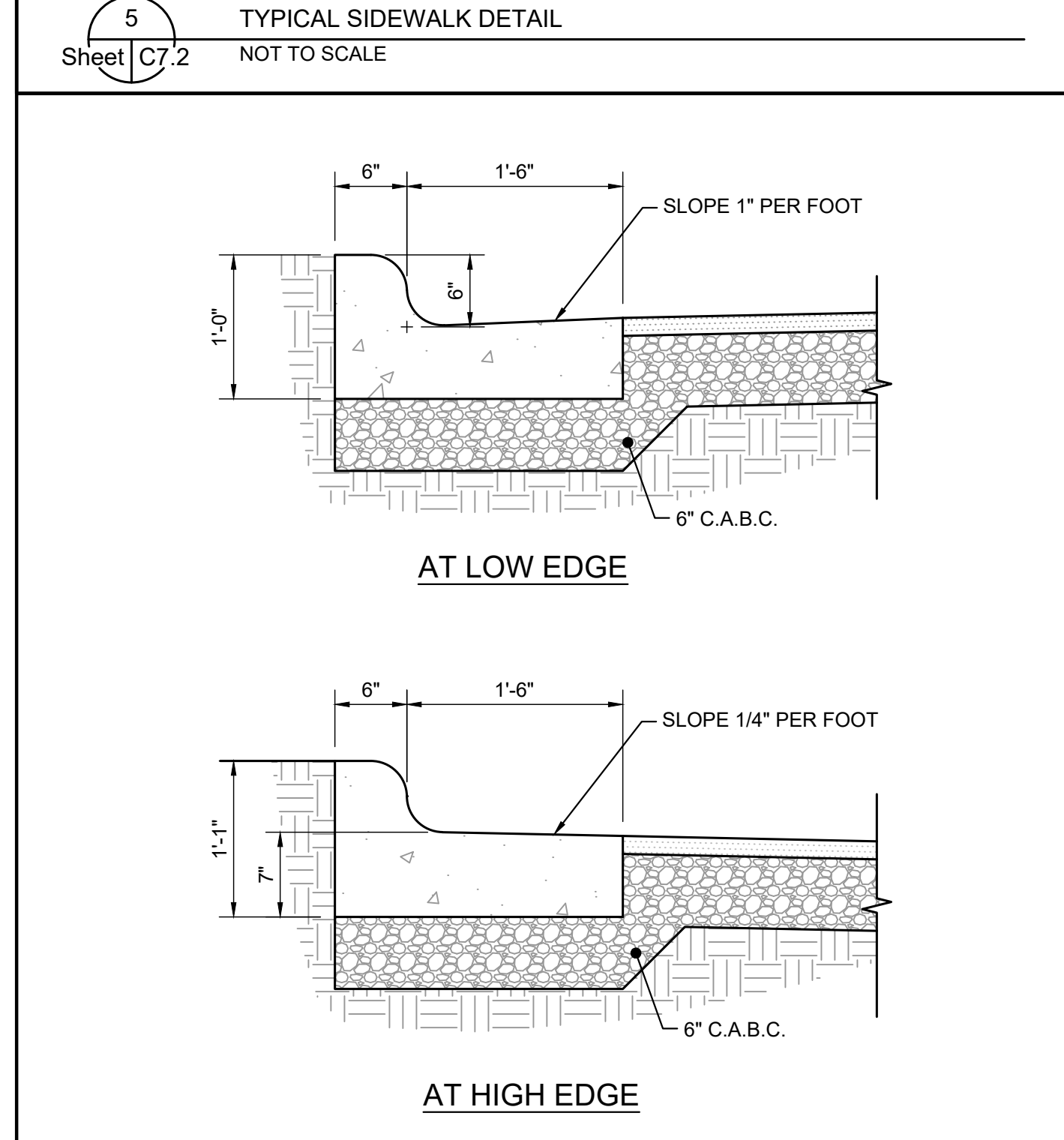
5 TYPICAL SIDEWALK DETAIL
Sheet C7.2 NOT TO SCALE



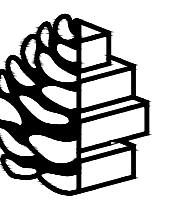
11 TREE PLANTING
Sheet C7.2 NOT TO SCALE



10 SHRUB PLANTING
Sheet C7.2 NOT TO SCALE



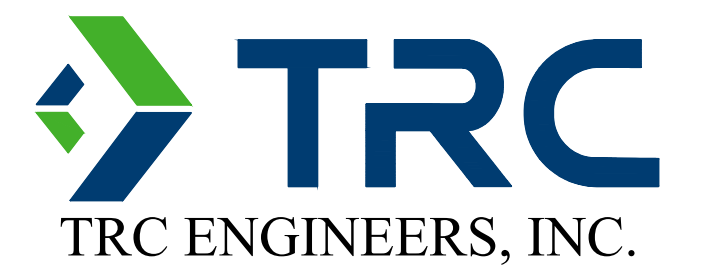
9 CONCRETE CURB AND GUTTER
Sheet C7.2 NOT TO SCALE



TURPENTINE DESIGN

1007 Procure Street
Fuquay-Varina, NC 27526

919.412.9138
turpentine-design.com

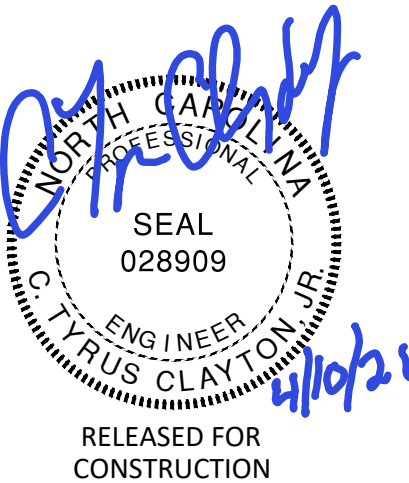


114 Edinburgh South Drive, Suite 200
Cary, NC 27511
919-873-1080 Fax: 919-873-1074
www.TRCCOMPANIES.com
NC Firm License # F-0591

REVISIONS

09/18/2024	FOR REVIEW
11/05/2024	RESPONSE TO COMMENTS
02/21/2025	GRADING REVISION TO COORDINATE WITH STRUCTURAL
04/10/2026	REV 01

SEALS



JWR VENTURES

NEW BUILDING

JWR VENTURES
192 JARCO DRIVE
FUQUAY-VARINA, NC 27526

OWNER
LEE REVIS

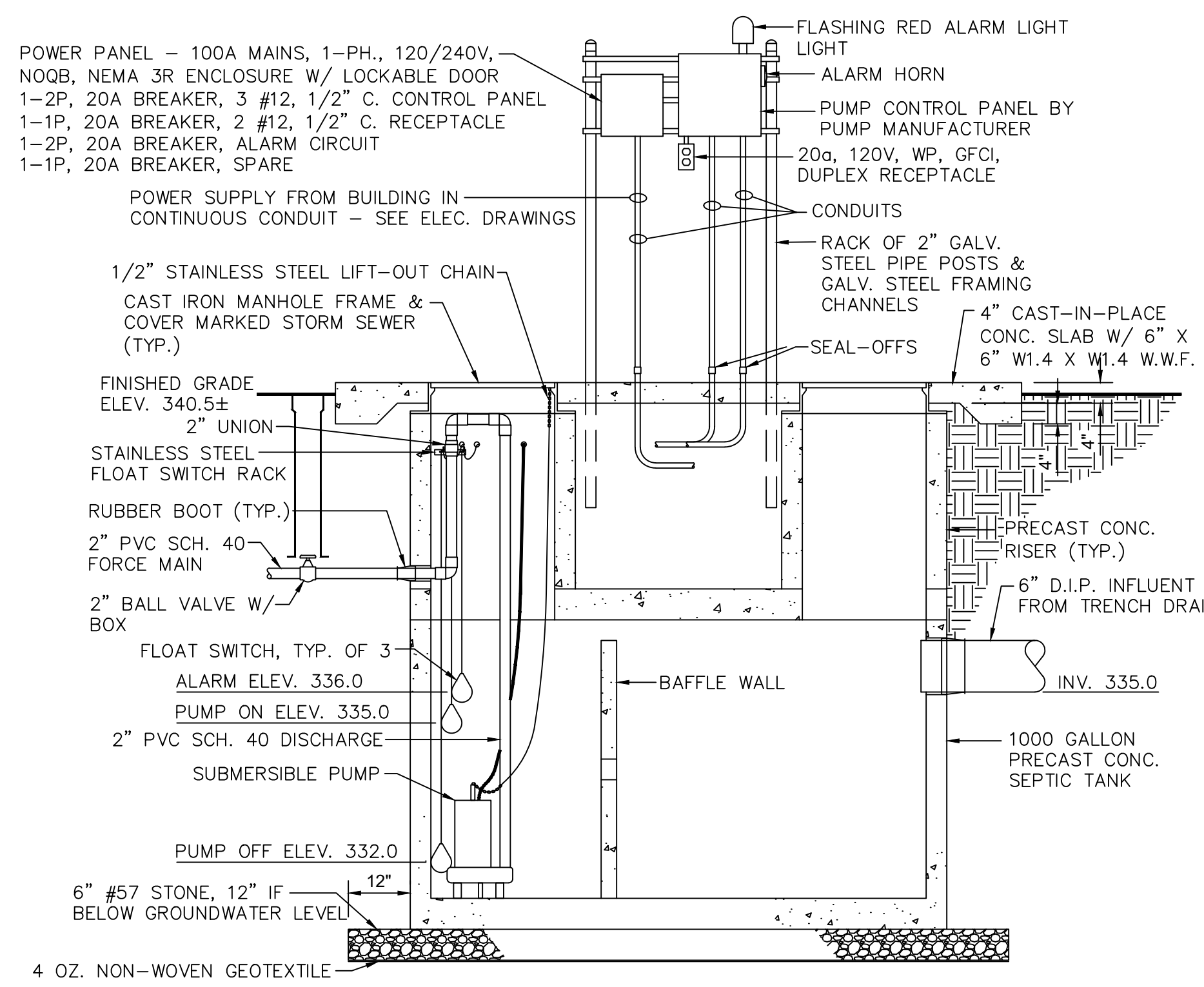
COPYRIGHT 2024 - ALL RIGHTS RESERVED
PRINTED OR ELECTRONIC DRAWINGS & DOCUMENTATION MAY NOT BE REPRODUCED OR DISTRIBUTED IN ANY WAY WITHOUT WRITTEN PERMISSION FROM TURPENTINE DESIGN

PHASE	PERMIT SET
DATE	03.14.2025
TD PROJECT #	24-024

DRAWING TITLE SITE DETAILS

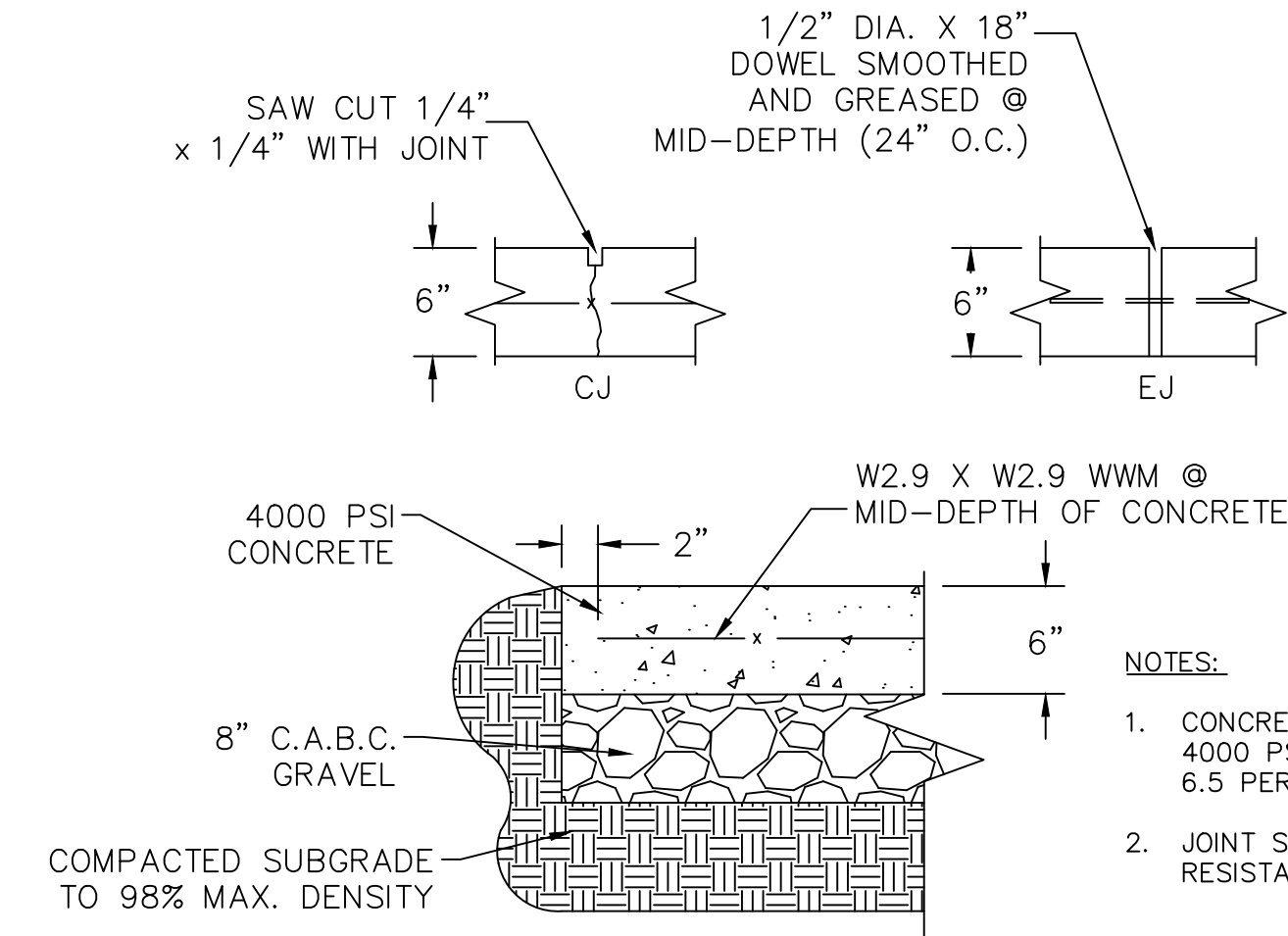
DRAWING NUMBER

C7.3

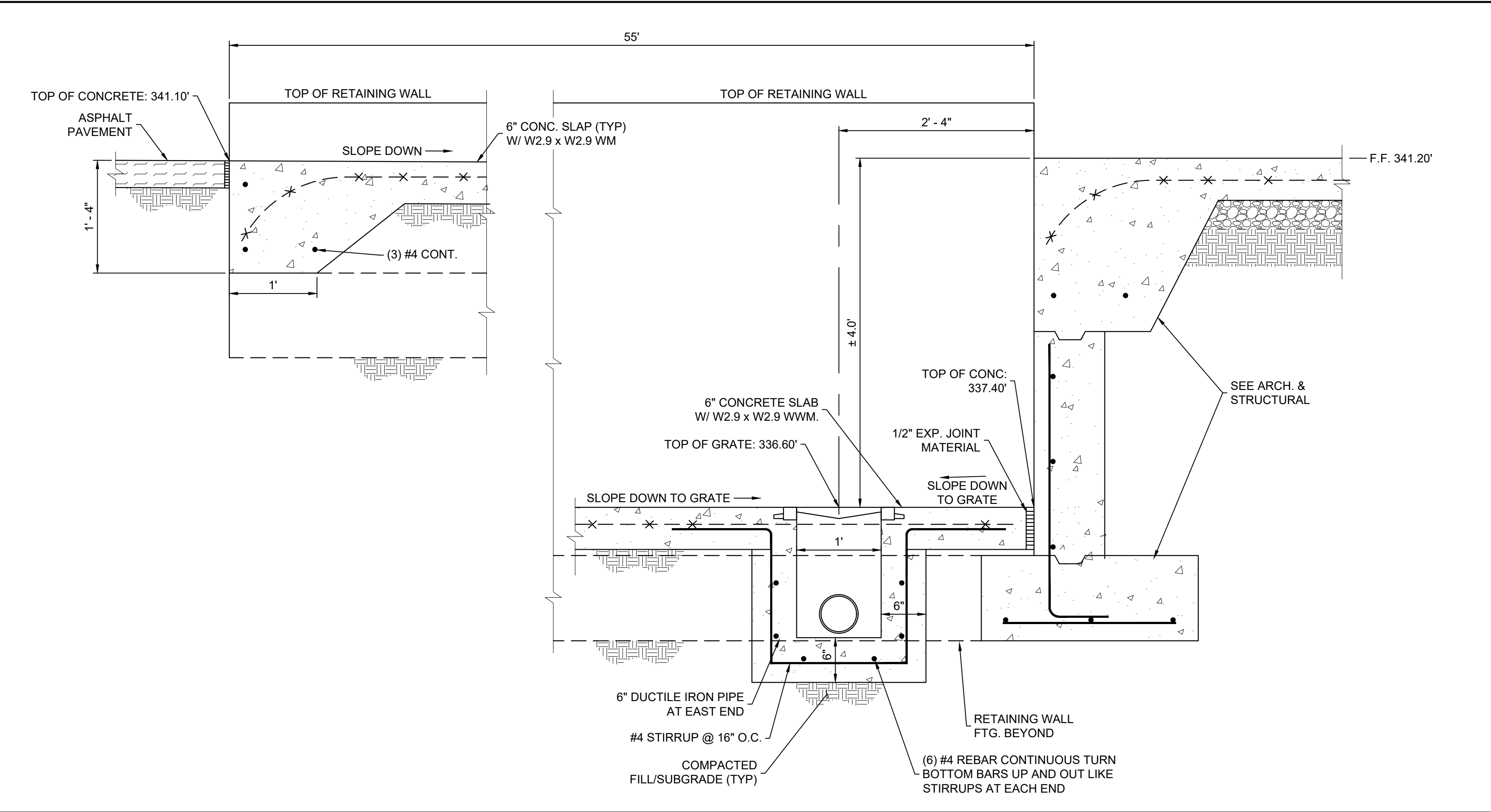


- NOTES:
- SEPTIC TANK SHALL BE OF STATE-APPROVED MATERIALS AND DESIGN. PROVIDE WATERTIGHT SEAL BETWEEN TANK AND RISERS. CONDUCT LEAKAGE TEST PRIOR TO FINAL BACKFILLING. MAXIMUM ALLOWABLE LEAKAGE IS 1/2 INCH IN 24 HOURS. INSTALL TANK ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. GRADE ADJOINING SURFACES TO DIVERT RUNOFF AWAY.
 - PROVIDE A SIMPLEX SUBMERSIBLE PUMP SYSTEM. PUMP SHALL HAVE A 2 INCH DISCHARGE 1/2HP, 230V, 1-PHASE MOTOR AND BE CAPABLE OF HANDLING 1-INCH SOLIDS AND PUMPING 60 GPM @ 20 FT TDH. PUMP SHALL BE MYERS MODEL WHR 5H-21.
 - PROVIDE POWER AND PUMP CONTROL SYSTEMS AS SHOWN AND AS FOLLOWS:
 - PUMP MANUFACTURER'S STANDARD FLOAT SWITCHES TO CONTROL THE PUMP AND ALARM FUNCTIONS - SWITCHES SHALL ENERGIZE THE PUMP AND ALARM LIGHT AND HORN AND CUT POWER TO THE PUMP AND ALARMS AT THE LEVELS INDICATED;
 - A HAND-OFF-AUTO SWITCH, MOUNTED INTERNALLY, AND CONTROLS FOR MANUAL PUMP START AND STOP;
 - TEST SWITCH FOR ALARM LIGHT AND HORN AND SILENCE SWITCH FOR HORN.
 - A CONTINUOUS-READING, NON-RESETTABLE ELAPSED TIME METER;
 - A WEATHERPROOF, GFCI, 20A, 120V RECEPTACLE ON A SEPARATE CIRCUIT;
 - LOCKABLE NEMA 3R ENCLOSURE; PROVIDE A SEPARATE BRANCH CIRCUIT WITHIN THE CONTROL PANEL FOR ALARMS.

1 LOADING DOCK STORMWATER PUMP STATION
C7.3 N.T.S.



2 LOADING DOCK RAMP - 6" REINFORCED CONCRETE PAVEMENT
C7.3 N.T.S.



3 LOADING DOCK SLAB TYPICAL SECTION
C7.3 N.T.S.

\\msh01\dev\dwg\REV\ECOR\Broomfield\Projects\2024\27795 - Jarco Drive - Turpentine Design\ASB\2024\27795-JARCO\DWG\27795-JARCO-DT_1.dwg Apr 8, 2025 11:33 AM