

# VICINITY MAP **NOT TO SCALE**

# **EXISTING UTILITY OWNER** WATER

### HARNETT REGIONAL WATER

700 McKinney Parkway Lillington, North Carolina 27546 910-893-7575 Contact: Shane Cummings, PE



Know what's **below. Call** before you dig.

## **CIVIL ENGINEER**

4D SITE SOLUTIONS, INC.

409 Chicago Drive - Suite 112 Fayetteville, North Carolina 28306 910-426-6777 Contact: Scott Brown, PE email: sbrown@4dsitesolutions.com

THE CONTRACTOR MUST CONTACT NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 A MINIMUM OF 72 HOURS PRIOR TO DIGGING IN ORDER TO HAVE THE EXISTING UTILITIES LOCATED

# SPREG LAKE RAY ROAD DOLLAR GENERAL SITE DEVELOPMENT PLANS ANDERSON CREEK TOWNSHIP NEAR SPRING LAKE, NORTH CAROLINA HARNETT COUNTY

# **INDEX OF DRAWINGS**

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# **OWNER/DEVELOPER**

**RHETSON COMPANIES, INC** 2075 Juniper Lake Road West End, North Carolina, 27376 910-944-0881 Contact: JOHN PARKER email: john@rhetson.com

409 Chicago Drive - Suite 112 Fayetteville, North Carolina 28306 910-426-6777 Contact: Jimmy Holland, PLS

4D SITE SOLUTIONS, INC. email: jholland@4dsitesolutions.com



REVISIONS

**PROJECT NAME** 

**SPRING LAKE RAY ROAD** DOLLAR **GENERAL** 

TAX ID# 0505-48-7310.000 RAY ROAD ANDERSON CREEK TOWNSHIP **NEAR SPRING LAKE** HARNETT COUNTY **NORTH CAROLINA** 

CLIENT

### RHETSON **COMPANIES, INC**

2075 Juniper Lake Road West End, North Carolina 27376 Phone: (910) 944-0881

**PROJECT INFORMATION** 

DESIGNED BY:	SCOTT
DRAWN BY:	SCOTT
CHECKED BY:	CHRIS
PROJECT NUMBER:	1644

DRAWING SCALE

SEE SHEETS

DATE RELEASED

APRIL 22, 2021

C6.0 - SITE DETAILS C6.1 - SITE & EROSION DETAILS C6.2 - EROSION CONTROL DETAILS C6.3 - WATER & EROSION DETAILS C6.4 - STORM DETAILS

C5.0 - 5.2 PROFILES



### SURVEYOR

#### 2020 HRW REQUIRED UTILITY NOTES (REVISION 8 - MARCH 2020)

WATER

A. THE FIRE MARSHAL'S OFFICE SHALL APPROVE ALL HYDRANT TYPES AND LOCATIONS IN NEW SUBDIVISIONS. HOWEVER, HARNETT REGIONAL WATER (HRW) PREFERS THE CONTRACTORS TO INSTALL ONE OF THE FOLLOWING FIRE HYDRANTS:

- 1. MUELLER SUPER CENTURION 250 A-423 MODEL WITH A 5¼" MAIN VALVE OPENING THREE WAY (TWO HOSE NOZZLES AND ONE PUMPER NOZZLE);
- 2. AMERICAN DARLING MARK B-84-B MODEL WITH A 51/4" MAIN VALVE OPENING
- THREE WAY (TWO HOSE NOZZLES AND ONE PUMPER NOZZLE); 3. WATEROUS - PACER B-67-250 MODEL WITH A 5¼" MAIN VALVE OPENING THREE WAY (TWO HOSE NOZZLES AND ONE PUMPER NOZZLE) OR APPROVED EQUAL FOR STANDARDIZATION.

B.FIRE HYDRANTS ARE INSTALLED AT CERTAIN ELEVATIONS. ANY GRADE CHANGE NEAR ANY FIRE HYDRANT, WHICH IMPEDES ITS OPERATION, SHALL BECOME THE RESPONSIBILITY OF THE UTILITY CONTRACTOR FOR CORRECTION. CORRECTIONS WILL BE MONITORED BY THE HRW UTILITY CONSTRUCTION INSPECTOR AND THE HARNETT COUNTY FIRE MARSHAL

- C.THE PROFESSIONAL ENGINEER (PE) SHALL OBTAIN AND PROVIDE THE NCDEQ "AUTHORIZATION TO CONSTRUCT" PERMIT TO THE UTILITY CONTRACTOR BEFORE THE CONSTRUCTION OF THE WATER LINE SHALL BEGIN. THE UTILITY CONTRACTOR MUST POST A COPY OF THE NCDEQ "AUTHORIZATION TO CONSTRUCT" PERMIT ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCDEQ) ON SITE PRIOR TO THE START OF CONSTRUCTION. THE PERMIT MUST BE MAINTAINED ON SITE THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS OF THE PROPOSED WATER LINES THAT WILL SERVE THIS PROJECT.
- D.THE UTILITY CONTRACTOR SHALL NOTIFY HARNETT REGIONAL WATER (HRW) AND THE PROFESSIONAL ENGINEER (PE) AT LEAST TWO DAYS PRIOR TO CONSTRUCTION COMMENCING. THE UTILITY CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION CONFERENCE WITH MR. ALAN MOSS, HRW UTILITY CONSTRUCTION INSPECTOR AT LEAST TWO (2) DAYS BEFORE CONSTRUCTION WILL BEGIN AND THE UTILITY CONTRACTOR MUST COORDINATE WITH HRW FOR REGULAR INSPECTION VISITATIONS AND ACCEPTANCE OF THE WATER SYSTEM(S). CONSTRUCTION WORK SHALL BE PERFORMED ONLY DURING THE NORMAL WORKING HOURS OF HRW WHICH IS 8:00 AM - 5:00 PM MONDAY THROUGH FRIDAY. HOLIDAY AND WEEKEND WORK IS NOT PERMITTED BY HRW.
- E. THE PROFESSIONAL ENGINEER (PE) SHALL PROVIDE HRW AND THE UTILITY CONTRACTOR WITH A SET OF NCDEQ APPROVED PLANS MARKED "RELEASED FOR CONSTRUCTION" AT LEAST TWO DAYS PRIOR TO CONSTRUCTION COMMENCING. THE REGISTERED LAND SURVEYOR (RLS) SHOULD STAKE OUT ALL LOT CORNERS AND THE GRADE STAKES FOR THE PROPOSED FINISH GRADE FOR EACH STREET BEFORE THE UTILITY CONTRACTOR BEGINS CONSTRUCTION OF THE WATER LINE(S). THE GRADE STAKES SHOULD BE SET WITH A CONSISTENT OFFSET FROM THE STREET CENTERLINE SO AS NOT TO INTERFERE WITH THE STREET GRADING AND UTILITY CONSTRUCTION.
- F. THE UTILITY CONTRACTOR SHALL PROVIDE THE HRW UTILITY CONSTRUCTION INSPECTOR WITH MATERIAL SUBMITTALS AND SHOP DRAWINGS FOR ALL PROJECT MATERIALS PRIOR TO THE CONSTRUCTION OF ANY WATER LINE EXTENSION(S), AND ASSOCIATED WATER SERVICES IN HARNETT COUNTY. THE MATERIALS TO BE USED ON THE PROJECT MUST MEET THE ESTABLISHED SPECIFICATIONS OF HRW AND BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION. ALL SUBSTANDARD MATERIALS OR MATERIALS NOT APPROVED FOR USE IN HARNETT COUNTY FOUND ON THE PROJECT SITE MUST BE REMOVED IMMEDIATELY WHEN NOTIFIED BY THE HRW UTILITY CONSTRUCTION INSPECTOR.
- G.THE WATER MAIN(S), FIRE HYDRANTS, SERVICE LINES, METER SETTERS AND ALL ASSOCIATED APPURTENANCES SHALL BE CONSTRUCTED IN STRICT IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE HARNETT REGIONAL WATER (HRW). THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE NEWLY INSTALLED WATER MAIN(S), WATER SERVICE LINES AND ALL ASSOCIATED METER SETTERS AND METER BOXES FOR OTHER UTILITY COMPANIES AND THEIR CONTRACTORS UNTIL THE NEW WATER MAIN(S) HAVE BEEN APPROVED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF ENVIRONMENTAL HEALTH, PUBLIC WATER SUPPLY SECTION (NCDEQ, DEH, PWS) AND ACCEPTED BY HRW.
- H. PRIOR TO ACCEPTANCE, ALL SERVICES WILL BE INSPECTED TO INSURE THAT THEY ARE INSTALLED AT THE PROPER DEPTH. ALL METER BOXES MUST BE FLUSH WITH THE GROUND LEVEL AT FINISH GRADE AND THE METER SETTERS MUST BE A MINIMUM OF 8" BELOW THE METER BOX LID. METER SETTERS SHALL BE CENTERED IN THE METER BOX AND SUPPORTED BY BRICK, BLOCK OR STONE.
- I. THE UTILITY CONTRACTOR SHALL PROVIDE THE PROFESSIONAL ENGINEER (PE) AND HRW UTILITY CONSTRUCTION INSPECTOR WITH A SET OF RED LINE DRAWINGS IDENTIFYING THE COMPLETE WATER SYSTEM INSTALLED FOR EACH PROJECT. THE RED LINE DRAWINGS SHOULD IDENTIFY THE MATERIALS, PIPE SIZES AND APPROXIMATE DEPTHS OF THE WATER LINES AS WELL AS THE GATE VALVES, FIRE HYDRANTS, METER SETTERS, BLOW OFF ASSEMBLIES AND ALL ASSOCIATED APPURTENANCES FOR ALL WATER LINE(S) CONSTRUCTED IN HARNETT COUNTY. THE RED LINE DRAWINGS SHOULD CLEARLY IDENTIFY ANY DEVIATIONS FROM THE NCDEQ APPROVED PLANS. ALL CHANGE ORDERS MUST BE APPROVED BY HRW AND THE PROFESSIONAL ENGINEER (PE) IN WRITING AND PROPERLY DOCUMENTED IN THE RED LINE FIELD DRAWINGS.
- J. POTABLE WATER MAINS CROSSING OTHER UTILITIES AND NON-POTABLE WATER LINES (SANITARY SEWER, STORM SEWER, RCP, ETC.) SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF TWENTY-FOUR (24") INCHES BETWEEN THE POTABLE WATER MAIN AND ALL OTHER UTILITIES. NCDOT REQUIRES THE NEW WATER MAINS TO BE INSTALLED UNDER THE STORM WATER LINES. THE POTABLE WATER MAIN SHALL BE INSTALLED WITH TWENTY-FOUR (24") INCHES OF VERTICAL SEPARATION AND WITH DUCTILE IRON PIPE WHEN DESIGNED TO BE PLACED UNDER A NON- POTABLE WATER LINE SUCH AS SANITARY SEWER OR STORM SEWER LINES. IF THESE SEPARATIONS CANNOT BE MAINTAINED THEN THE WATER MAIN SHALL BE INSTALLED WITH DUCTILE IRON PIPE. BOTH THE POTABLE WATER MAIN AND THE NON-POTABLE WATER LINE MUST BE CAST IRON OR DUCTILE IRON PIPE (DIP) IF THE STATE MINIMUM SEPARATIONS CANNOT BE MAINTAINED. THE DUCTILE IRON PIPE MUST BE LAID SO THE MECHANICAL JOINTS ARE AT LEAST (10') FEET FROM THE POINT WHERE THE POTABLE WATER MAIN CROSSES THE NON-POTABLE WATER LINE.
- K.POTABLE WATER MAINS INSTALLED PARALLEL TO NON-POTABLE WATER LINES (SANITARY SEWER, STORM SEWER, RCP, ETC.) SHALL BE LAID TO PROVIDE A MINIMUM HORIZONTAL DISTANCE OF TEN (10') FEET BETWEEN THE POTABLE WATER MAIN AND SANITARY SEWER MAINS, SEWER LATERALS AND SERVICES. THE HORIZONTAL SEPARATION BETWEEN THE POTABLE WATER MAIN AND ANY OTHER UTILITY OR STORM SEWER SHALL NOT BE LESS THAN FIVE (5') FEET. THE POTABLE WATER MAIN MUST BE DUCTILE IRON PIPE IF THIS HORIZONTAL SEPARATION OF TEN (10') FEET CANNOT BE MAINTAINED. THE DUCTILE IRON PIPE SHALL EXTEND AT LEAST TEN (10') FEET BEYOND THE POINT WHERE THE MINIMUM REQUIRED HORIZONTAL SEPARATION OF TEN (10') FEET CAN BE RE-ESTABLISHED
- L.METER SETTERS SHALL BE INSTALLED IN PAIRS ON EVERY OTHER LOT LINE WHERE POSSIBLE TO LEAVE ADEQUATE SPACE FOR OTHER UTILITIES TO BE INSTALLED AT A LATER TIME. THE METER SETTERS SHALL BE INSTALLED AT LEAST ONE (1') FOOT INSIDE THE RIGHT-OF-WAY AND AT LEAST THREE (3') TO FIVE (5') FEET FROM THE PROPERTY LINE BETWEEN THE LOTS.
- M. HRW REQUIRES THAT METER BOXES FOR 34" SERVICES SHALL BE 12" WIDE X 17" LONG ABS PLASTIC BOXES AT LEAST 18" IN HEIGHT WITH CAST IRON LIDS/COVERS. METER BOXES FOR 1" SERVICES SHALL BE 17" WIDE X 21" LONG ABS PLASTIC BOXES AT LEAST 18" IN HEIGHT WITH PLASTIC LIDS AND CAST IRON FLIP COVERS IN THE CENTER OF THE LIDS. METER BOXES FOR 2" SERVICES SHALL BE 20" WIDE X 32" LONG ABS PLASTIC BOXES AT LEAST 20" IN HEIGHT WITH PLASTIC LIDS AND CAST IRON FLIP COVERS IN THE CENTER OF THE LIDS.
- N. MASTER METERS MUST BE INSTALLED IN CONCRETE VAULTS SIZED FOR THE METER ASSEMBLY AND ASSOCIATED APPURTENANCES SO AS TO PROVIDE AT LEAST EIGHTEEN (18") INCHES OF CLEARANCE BETWEEN THE BOTTOM OF THE CONCRETE VAULT AND THE BOTTOM OF THE METER SETTER. THE MASTER METER MUST BE PROVIDED TEST PORTS IF THE METER IS NOT EQUIPPED WITH TEST PORTS FROM THE MANUFACTURER IN ACCORDANCE WITH THE HRW ESTABLISHED STANDARD SPECIFICATIONS AND DETAILS. DUCTILE IRON PIPE MUST BE USED FOR THE MASTER METER VAULT PIPING AND VALVE VAULT PIPING. THE UTILITY CONTRACTOR MUST PROVIDE SHOP DRAWINGS FOR THE METER VAULTS TO HRW PRIOR TO ORDERING THE CONCRETE VAULTS.
- 0. THE UTILITY CONTRACTOR WILL INSTALL POLYETHYLENE SDR-9 WATER SERVICE LINES THAT CROSS UNDER THE PAVEMENT INSIDE A SCHEDULE 40 PVC CONDUIT TO ALLOW FOR REMOVAL AND REPLACEMENT IN THE FUTURE. TWO (2) INDEPENDENT 34" WATER SERVICE LINES MAY BE INSTALLED INSIDE ONE (1) - TWO (2") INCH SCHEDULE 40 PVC CONDUIT OR TWO (2) INDEPENDENT 1" WATER SERVICE LINES MAY BE INSTALLED INSIDE ONE (1) - THREE (3") INCH SCHEDULE 40 PVC CONDUIT, BUT EACH WATER SERVICE SHALL BE TAPPED DIRECTLY TO THE WATER MAIN. SPLIT SERVICES ARE NOT ALLOWED BY HRW. IF SIDEWALKS ARE PROPOSED, THE CONDUIT MUST EXTEND PAST THE SIDEWALK.
- P.THE WATER MAIN(S), FIRE HYDRANTS, GATE VALVES, SERVICE LINES, METER SETTERS AND ASSOCIATED APPURTENANCES MUST BE RATED FOR 200 PSI AND HYDROSTATICALLY PRESSURE

WITNESS ALL PRESSURE TESTING.

- PROTECTED FROM EXTENDED EXPOSURE TO SUNLIGHT PRIOR TO INSTALLATION.
- INSPECTOR AND TESTED IN THE HRW LABORATORY.
- PIPE USED FOR WATER MAINS IN HARNETT COUNTY.
- HRW REQUIRES THAT THE UTILITY CONTRACTOR INSTALL TRACER WIRE IN THE TRENCH PIPE BEFORE BACKFILLING.
- AND PROPERLY DOCUMENTED IN THE RED LINE FIELD DRAWINGS.
- GRADING AND STREET CONSTRUCTION.
- AS-BUILT RECORD DRAWINGS SUBMITTED TO HRW.
- ACCEPTED BY HRW. THE FINAL INSPECTION OF WATER SYSTEM IMPROVEMENTS CANNOT BE IN PLACE TO PREVENT EROSION ISSUES ON SITE.
- AA THE ENGINEER OF RECORD IS RESPONSIBLE TO INSURE THAT CONSTRUCTION IS, AT ALL HRW EXCEEDS TWO, ADDITIONAL FEES MAY BE ACCESSED TO THE DEVELOPER.

#### TESTED TO 200 PSI. THE HYDROSTATIC PRESSURE TEST(S) MUST BE WITNESSED BY THE HRW UTILITY CONSTRUCTION INSPECTOR. THE UTILITY CONTRACTOR MUST NOTIFY HRW WHEN THEY ARE READY TO BEGIN FILLING IN LINES AND COORDINATE WITH HARNETT REGIONAL WATER TO

THE UTILITY CONTRACTOR SHALL CONDUCT A PNEUMATIC PRESSURE TEST USING COMPRESSED AIR OR OTHER INERT GAS ON THE STAINLESS STEEL TAPPING SLEEVE(S) PRIOR TO MAKING THE TAP ON THE EXISTING WATER MAIN. THIS PNEUMATIC PRESSURE TEST MUST BE WITNESSED BY THE HRW UTILITY CONSTRUCTION INSPECTOR. THE UTILITY CONTRACTOR SHALL USE ROMAC BRAND STAINLESS STEEL TAPPING SLEEVE(S) OR APPROVED EQUAL FOR ALL TAPS MADE IN HARNETT COUNTY. ALL NEW WATER LINE EXTENSIONS MUST BEGIN WITH A RESILIENT WEDGE TYPE GATE VALVE SIZED EQUAL TO THE DIAMETER OF THE NEW WATER LINE EXTENSION IN ORDER TO PROVIDE A MEANS OF ISOLATION BETWEEN HARNETT REGIONAL WATER'S EXISTING WATER MAINS AND THE NEW WATER LINE EXTENSIONS UNDER CONSTRUCTION. R.ALL WATER MAINS WILL BE CONSTRUCTED WITH SDR-21 PVC PIPE OR CLASS 50 DUCTILE IRON PIPE RATED FOR AT LEAST 200 PSI OR GREATER. ALL PIPES MUST BE PROTECTED DURING LOADING, TRANSPORT, UNLOADING, STAGING, AND INSTALLATION. PVC PIPE MUST BE

S.ALL WATER MAINS WILL BE FLUSHED AND DISINFECTED IN STRICT ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE HARNETT REGIONAL WATER. ALL WATER SAMPLES COLLECTED FOR BACTERIA TESTING WILL BE COLLECTED BY THE HRW UTILITY CONSTRUCTION

T.ALL FITTINGS LARGER THAN TWO (2") INCHES DIAMETER SHALL BE DUCTILE IRON. HRW REQUIRES THAT MECHANICAL JOINTS BE ASSEMBLED WITH GRIP RINGS AS "MEGALUG" FITTINGS ARE NOT APPROVED BY HARNETT REGIONAL WATER FOR PIPE SIZES SMALLER THAN TWELVE INCHES (12") DIAMETER. PVC PIPE USED FOR WATER MAINS SHALL BE CONNECTED BY SLIP JOINT OR MECHANICAL JOINT WITH GRIP RINGS. GLUED PIPE JOINTS ARE NOT ALLOWED ON PVC

WITH ALL WATER LINES. THE TRACER WIRE SHALL BE 12 GA. INSULATED, SOLID COPPER CONDUCTOR AND IT SHALL BE TERMINATED AT THE TOP OF THE VALVE BOXES OR MANHOLES. NO SPLICED WIRE CONNECTIONS SHALL BE MADE UNDERGROUND ON TRACER WIRE INSTALLED IN HARNETT COUNTY. THE TRACER WIRE MAY BE SECURED WITH DUCT TAPE TO THE TOP OF THE

V. THE UTILITY CONTRACTOR WILL PROVIDE PROFESSIONAL ENGINEER (PE) AND THE HRW UTILITY CONSTRUCTION INSPECTOR WITH A SET OF RED LINE FIELD DRAWINGS TO IDENTIFY THE INSTALLED LOCATIONS OF THE WATER LINE(S) AND ALL ASSOCIATED SERVICES. ALL CHANGE ORDERS MUST BE PRE-APPROVED BY HRW AND THE PROFESSIONAL ENGINEER (PE) IN WRITING

W. THE UTILITY CONTRACTOR SHALL SPOT DIG TO EXPOSE EACH UTILITY PIPE OR LINE WHICH MAY CONFLICT WITH CONSTRUCTION OF PROPOSED WATER LINE EXTENSIONS WELL IN ADVANCE TO VERIFY LOCATIONS OF THE EXISTING UTILITIES. THE UTILITY CONTRACTOR SHALL PROVIDE BOTH HORIZONTAL AND VERTICAL CLEARANCES TO THE PROFESSIONAL ENGINEER (PE) TO ALLOW THE PE TO ADJUST THE WATER LINE DESIGN IN ORDER TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES. THE UTILITY CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNER AND BE RESPONSIBLE FOR TEMPORARY RELOCATION AND/OR SECURING EXISTING UTILITY POLES, PIPES, WIRES, CABLES, SIGNS AND/OR UTILITIES INCLUDING SERVICES IN ACCORDANCE WITH THE UTILITY OWNER REQUIREMENTS DURING WATER LINE INSTALLATION,

X.PRIOR TO THE COMMENCEMENT OF ANY WORK WITHIN ESTABLISHED UTILITY EASEMENTS OR NCDOT RIGHT-OF-WAYS THE UTILITY CONTRACTOR IS REQUIRED TO HAVE A SIGNED NCDOT ENCROACHMENT AGREEMENT POSTED ON SITE AND NOTIFY ALL CONCERNED UTILITY COMPANIES IN ACCORDANCE WITH G.S. 87-102. THE UTILITY CONTRACTOR MUST CALL THE NC ONE CALL CENTER AT 811 OR (800) 632-4949 TO VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION. EXISTING UTILITIES SHOWN IN THESE PLANS ARE TAKEN FROM MAPS FURNISHED BY VARIOUS UTILITY COMPANIES AND HAVE NOT BEEN PHYSICALLY LOCATED OR VERIFIED BY THE P.E. (I.E. TELEPHONE, CABLE, WATER, SEWER, ELECTRICAL POWER, FIBER OPTIC, NATURAL GAS, ETC.). THE UTILITY CONTRACTOR WILL BE RESPONSIBLE TO REPAIR ANY AND ALL DAMAGES TO THE SATISFACTION OF THE RELATED UTILITY COMPANY.

Y.THE UTILITY CONTRACTOR SHALL PROVIDE HRW WITH AT LEAST ONE (1) FIRE HYDRANT WRENCH AND ONE (1) BREAK-AWAY FLANGE KIT FOR EVERY SUBDIVISION WITH FIRE HYDRANTS DEVELOPED IN HARNETT COUNTY. THESE ITEMS MUST BE PROVIDED TO HRW BEFORE THE FINAL INSPECTION WILL BE SCHEDULED BY THE HRW UTILITY CONSTRUCTION INSPECTOR. IN ADDITION, THE UTILITY CONTRACTOR SHALL INSTALL A 4" X 4" CONCRETE VALVE MARKER AT THE EDGE OF THE RIGHT-OF-WAY TO IDENTIFY THE LOCATION OF EACH GATE VALVE INSTALLED IN THE NEW WATER SYSTEM WITH THE EXCEPTION OF THE FIRE HYDRANT ISOLATION VALVES. THE CONTRACTOR SHALL MEASURE THE DISTANCE FROM THE CENTER OF THE CONCRETE MARKER TO THE CENTER OF THE VALVE BOX. THIS DISTANCE (IN LINEAR FEET) SHALL BE STAMPED ON THE BRASS PLATE LOCATED ON THE TOP OF THE CONCRETE VALVE MARKER. IN LIEU OF INSTALLING THE CONCRETE VALVE MARKERS. THE UTILITY CONTRACTOR MAY PROVIDE AT LEAST TWO MEASUREMENTS FROM TWO INDEPENDENT PERMANENT ABOVE GROUND STRUCTURES TO THE PROFESSIONAL ENGINEER (PE) IN THE RED LINE DRAWINGS TO IDENTIFY THE VALVE LOCATIONS. THE PROFESSIONAL ENGINEER (PE) MUST INCLUDE THESE MEASUREMENTS IN THE

Z.THE UTILITY CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL REPAIRS DUE TO LEAKAGE DAMAGE FROM POOR WORKMANSHIP DURING THE ONE (1) YEAR WARRANTY PERIOD ONCE THE WATER SYSTEM IMPROVEMENTS HAVE BEEN ACCEPTED BY HARNETT REGIONAL WATER. HARNETT REGIONAL WATER WILL PROVIDE MAINTENANCE AND REPAIRS WHEN REQUESTED AND BILL THE DEVELOPER AND/OR UTILITY CONTRACTOR IF NECESSARY DUE TO LACK OF RESPONSE WITHIN 48 HOURS OF NOTIFICATION OF WARRANTY WORK. THE UTILITY CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL REPAIRS DUE TO DAMAGES RESULTING FROM FAILURE TO LOCATE THE NEW WATER LINES AND ASSOCIATED APPURTENANCES FOR OTHER UTILITIES AND THEIR CONTRACTORS UNTIL THE WATER LINES HAVE BEEN APPROVED BY NCDEQ AND

SCHEDULED WITH HRW UNTIL THE STREETS HAVE BEEN PAVED; THE RIGHTS-OF-WAY AND UTILITY EASEMENTS HAVE BEEN SEEDED AND STABILIZED WITH AN ADEQUATE STAND OF GRASS

TIMES, IN COMPLIANCE WITH ACCEPTED SANITARY ENGINEERING PRACTICES AND APPROVED PLANS AND SPECIFICATIONS. NO FIELD CHANGES TO THE APPROVED PLANS ARE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY HRW. A COPY OF EACH ENGINEER'S FIELD REPORT IS TO BE SUBMITTED TO HRW AS EACH SUCH INSPECTION IS MADE ON SYSTEM IMPROVEMENTS OR TESTING IS PERFORMED BY THE CONTRACTOR. WATER AND SEWER INFRASTRUCTURE MUST PASS ALL TESTS REQUIRED BY HRW SPECIFICATIONS AND THOSE OF ALL APPLICABLE REGULATORY AGENCIES. THESE TESTS INCLUDE, BUT ARE NOT LIMITED TO: AIR TEST, VACUUM TEST, MANDREL TEST, VISUAL TEST, PRESSURE TEST BACTERIOLOGICAL TEST, ETC. A HRW INSPECTOR MUST BE PRESENT DURING TESTING AND ALL TEST RESULTS SHALL BE SUBMITTED TO HRW. ALL TESTS MUST BE SATISFIED BEFORE THE FINAL INSPECTION WILL BE SCHEDULED WITH THE HRW INSPECTOR. THE ENGINEER OF RECORD MUST REQUEST IN WRITING TO SCHEDULE THE FINAL INSPECTION ONCE ALL CONSTRUCTION IS COMPLETE. THE DEVELOPER'S ENGINEER OF RECORD AND THE HRW UTILITY CONSTRUCTION INSPECTOR SHALL PREPARE A WRITTEN PUNCH LIST OF ANY DEFECTS OR DEFICIENCIES NOTED DURING THE FINAL INSPECTION, SHOULD ANY EXIST. UPON COMPLETION OF THE PUNCH LIST, THE DEVELOPER'S ENGINEER OF RECORD WILL SCHEDULE ANOTHER INSPECTION. IN THE EVENT THE NUMBER OF INSPECTIONS PERFORMED BY THE



REVISIONS

**PROJECT NAME** 

### SPRING LAKE **RAY ROAD** DOLLAR GENERAI

#### **UTILITY NOTES**

CLIENT

RHETSON **COMPANIES, INC** 

2075 Juniper Lake Road West End, North Carolina 27376 Phone: (910) 944-0881

**PROJECT INFORMATION** 

DESIGNED BY:	SCOTT
DRAWN BY:	SCOTT
CHECKED BY:	CHRIS
PROJECT NUMBER:	1644

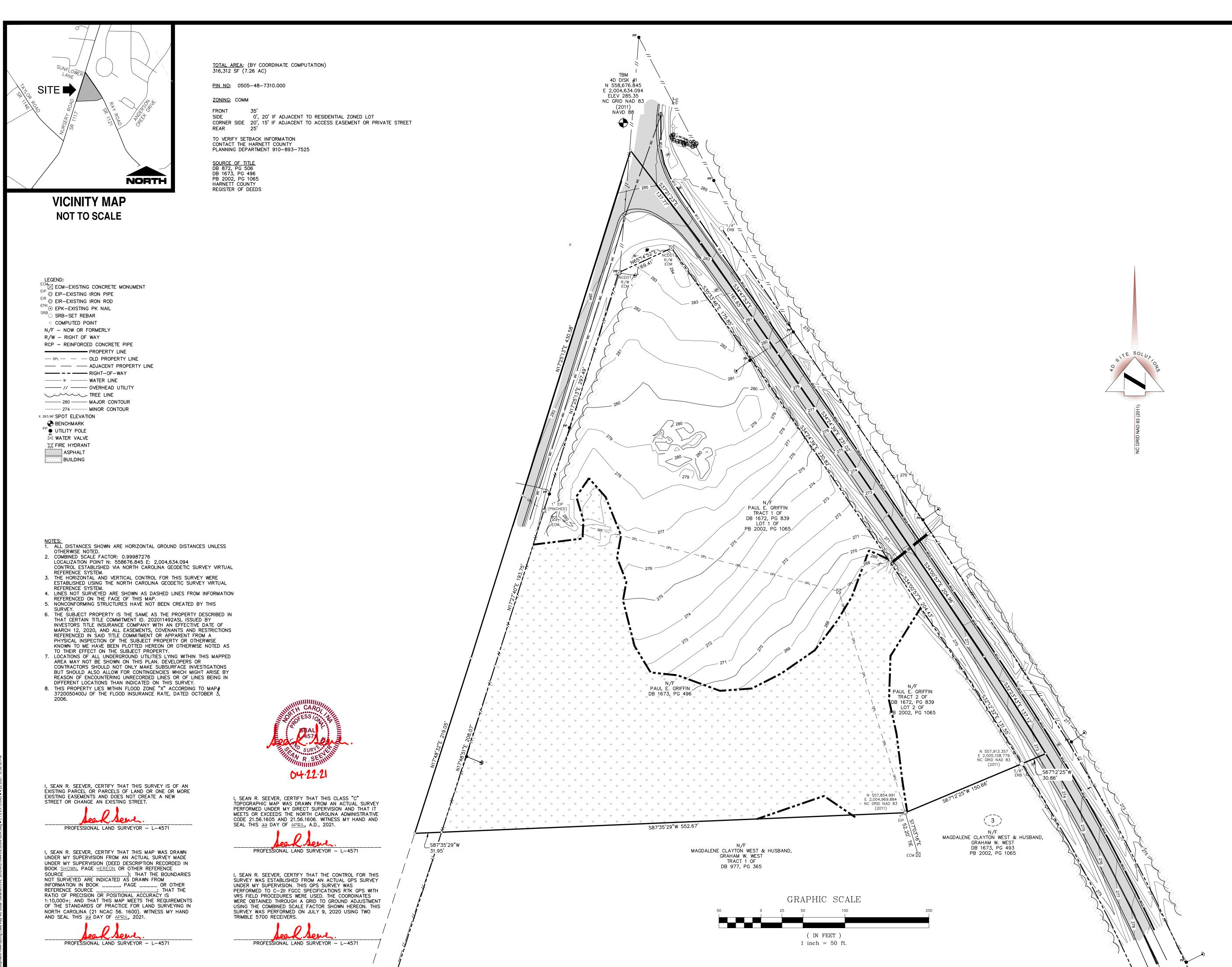
DRAWING SCALE

SEE SHEETS

DATE RELEASED

APRIL 22, 2021

SHEET NUMBER





REVISIONS



### **SPRING LAKE RAY ROAD** DOLLAR GENERAL

### EXISTING **CONDITIONS**

CLIENT

### RHETSON **COMPANIES, INC**

2075 Juniper Lake Road West End, North Carolina 27376 Phone: (910) 944-0881

**PROJECT INFORMATION** 

SURVEYED BY:	CLIFF
DRAWN BY:	SEAN
CHECKED BY:	JIMMY
PROJECT NUMBER:	1644

DRAWING SCALE

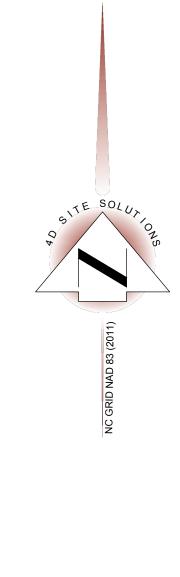
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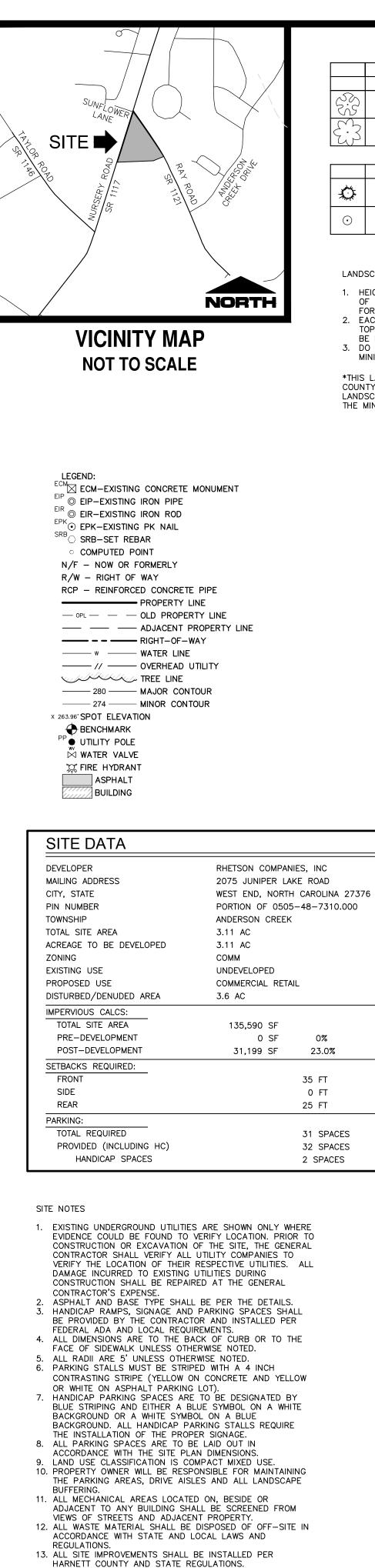
DATE SURVEYED

JULY 9, 2020

SHEET NUMBER

C-1.0





GRAPHIC SCALE

( IN FEET ) 1 inch = 50 ft.

	QTY.	TYPE	PLANTING SIZE	MIN. HEIGHT	SCIENTIFIC NAME	
		CANOPY TREES				
N.S.S.	11 WILLOW OAK		2" CALIPER	6'	QUERCUS PHELLOS	
YOSHINO CHERRY		2" CALIPER	6'	PRUNUS X YEDOENSIS		
	SHRUBS					
\$\$	22	FLOWERING QUINCE	2 GAL.	18"	CHAENOMELES	
$\odot$	56	LITTLELEAF BOXWOOD	2 GAL.	18"	BUXUS MICROPHYLLA	

LANDSCAPING NOTES:

1. HEIGHT AND SPREAD OF TREE SPECIMEN SHALL MEET REQUIREMENTS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, AMERICAN STANDARD

FOR NURSERY STOCK. EACH TREE SHALL BE PLANTED SUCH THAT THE ROOT FLARE IS VISIBLE AT THE

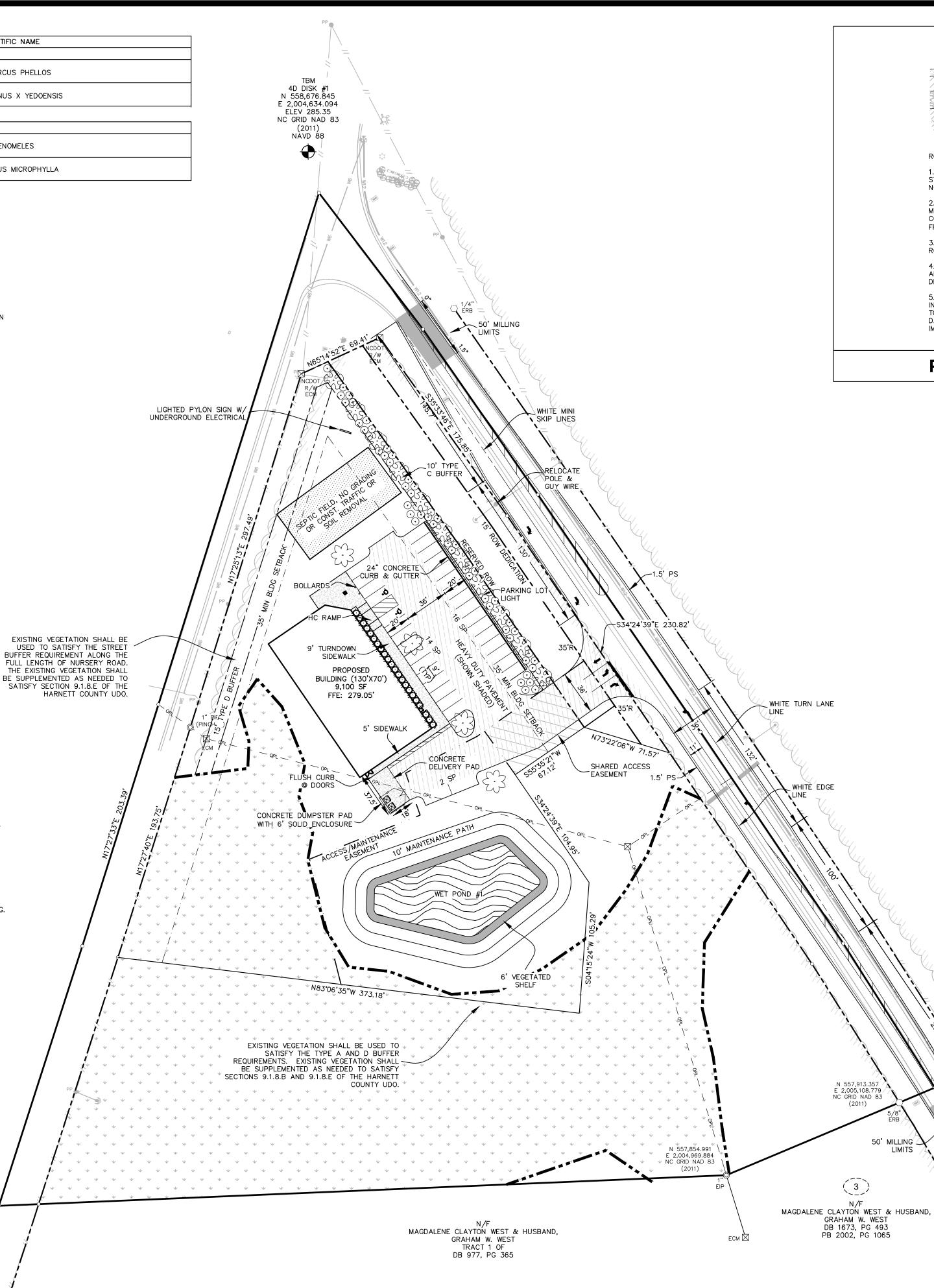
TOP OF THE ROOT BALL. TREES WHERE THE ROOT FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE ROOT FLARE WITH MULCH.

3. DO NOT PLACE MULCH IN CONTACT WITH THE TREE TRUNK. KEEP MULCH A MINIMUM OF 4 INCHES AWAY FROM THE TRUNK BASE.

\*THIS LANDSCAPING PLAN IS THE MINIMUM REQUIRED TO MEET WITH THE HARNETT COUNTY UDO. THE OWNER OR DEVELOPER IS ENCOURAGED TO CONSULT WITH A LANDSCAPE ARCHITECT IN ORDER TO DEVELOP A PLAN THAT IS MORE IN DEPTH THAN THE MINIMUM REQUIREMENTS. THIS PLAN IS FOR PERMITTING PURPOSES ONLY.

- ADDITIONAL NOTES 1. RAY ROAD AND NURSERY ROAD AREA ARE ON THE
- HARNETT COUNTY COMPREHENSIVE TRANSPORTATION PLAN.THIS DEVELOPMENT IS WITHIN ONE MILE OF A VOLUNTARY
- AGRICULTURE DISTRICT 3. THIS DEVELOPMENT IS WITHIN THE FIVE MILE MILITARY CORRIDOR OVERLAY ZONE AND MAY BE SUBJECT TO
- MILITARY TRAINING ACTIVITIES. 4. ALL MECHANICAL AREAS LOCATED ON, BESIDE OR
- ADJACENT TO ANY BUILDING OR DEVELOPMENT SHALL BE SCREENED FROM THE VIEWS OF STREETS AND ADJACENT
- PROPERTY. 5. THE OWNER IS RESPONSIBLE FOR MAINTENANCE OF ALL PARKING AREAS, DRIVE AISLES AND LANDSCAPE BUFFERING.

\*\*HOURS OF OPERATION: 8 AM - 10 PM, 7 DAYS A WEEK



\*\*ALL DRIVEWAYS AFFECTED BY THE WIDENING SHALL BE MODIFIED AS NEEDED FOR THE CONSTRUCTION. THE DRIVEWAY SHALL BE REPAIRED TO MATCH THE EXISTING MATERIAL. RELOCATE MAILBOXES, SIGNS, ETC AS NEEDED TO ACCOMMODATE THE WIDENING.

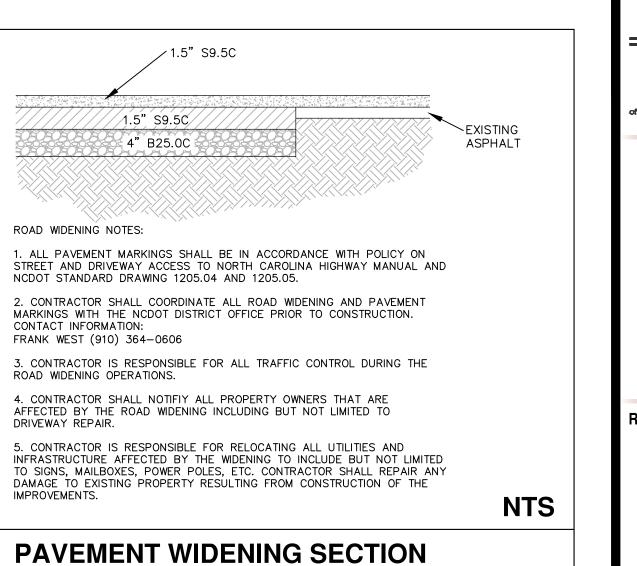
(2011)

 $\left(3\right)$ 

N/F

50' MILLING

LIMITS





**PROJECT NAME** 

**SPRING LAKE RAY ROAD** DOLLAR GENERAL

### SITE/LANDSCAPE PLAN

CLIENT

#### RHETSON **COMPANIES, INC**

2075 Juniper Lake Road West End, North Carolina 27376 Phone: (910) 944-0881

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CHECKED BY:	CHRIS
PROJECT NUMBER:	1644

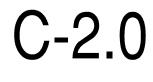
DRAWING SCALE

HORIZONTAL: 1"=50'

DATE RELEASED

APRIL 22, 2021

SHEET NUMBER



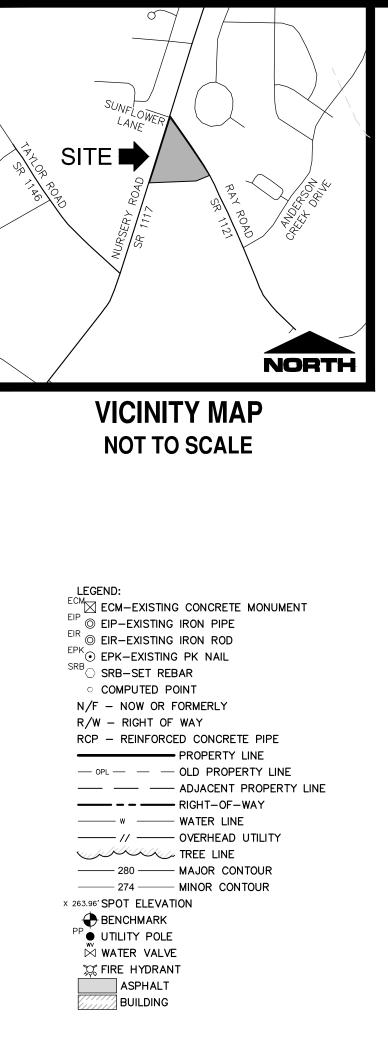


OWNER'S CONSENT

DATE

AS THE OWNER OF RECORD, I HEREBY FORMALLY CONSENT TO THE PROPOSED DEVELOPMENT SHOWN ON THE SITE PLAN AND ALL REGULATIONS AND REQUIREMENTS OF THE HARNETT COUNTY ORDINANCES.

OWNER'S SIGNATURE



EROSION CONTROL NOTES

- ALL INLET/OUTLET PROTECTION WILL BE CHECKED FOR MAINTENANCE AND FAILURE EACH ACTIVE DAY ON SITE. SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAP AND INLET PROTECTION DEVICES WHEN THE STORAGE CAPACITY HAS BEEN APPROXIMATELY 50% FILLED. GRAVE WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS PROPERLY. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES ABOUT 0.5' DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NEEDED TO MAINTAIN A PROPER BARRIER.
- TEMPORARY EROSION CONTROL FACILITIES AND/OR PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF AND EARTH DISTURBANCE OPERATION SHALL BE INSTALLED BEFORE ANY EARTH DISTURBANCE OPERATIONS TAKE PLACE OR AT THE EARLIEST POSSIBLE POINT DURING CONSTRUCTION.
- TEMPORARY & PERMANENT EROSION CONTROL MEASURES SHALL BE CONSTRUCTED PER THE DETAILS HEREIN, OR SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL. THE CONTRACTOR MUST NOTIFY THE APPROPRIATE NCDEQ
- OFFICE A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES. 910-433-3300 REMOVE ALL SOILS AND SEDIMENTS TRACKED OR OTHERWISE DEPOSITED ONTO PUBLIC AND PRIVATE PAVEMENT AREAS. REMOVAL SHALL BE ON A DAILY BASIS
- WHEN TRACKING OCCURS. 6. LOCATE SOIL STOCKPILES NO LESS THAN TWENTY-FIVE (25) FEET FROM ANY PUBLIC OR PRIVATE ROADWAY OR DRAINAGE CHANNEL. IF REMAINING FOR MORE THAN SEVEN DAYS, STABILIZE THE STOCKPILES BY VEGETATIVE COVER, TARPS, OR OTHER MEANS, CONTROL FROSION FROM ALL STOCKPILES BY PLACING SILT BARRIERS AROUND THE PILES. TEMPORARY STOCKPILES LOCATED ON PAVED SURFACES MUST BE NO LESS THAN FIVE FEET FROM THE DRAINAGE/GUTTER LINE AND SHALL BE COVERED IF LEFT
- MORE THAN 24 HOURS. 7. MAINTAIN ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES IN PLACE UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED. INSPECT TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ON A DAILY BASIS AND REPLACE DETERIORATED, DAMAGED, OR ROTTED EROSION CONTROL DEVICES IMMEDIATELY. 8. TEMPORARILY OR PERMANENTLY STABILIZE ALL DENUDED AREAS WHICH HAVE BEEN FINISH GRADED, AND ALL DENUDED AREAS IN WHICH GRADING OR SITE BUILDING
- CONSTRUCTION OPERATIONS ARE NOT ACTIVELY UNDERWAY AGAINST EROSION DUE TO RAIN, WIND AND RUNNING WATER WITHIN 14 DAYS. USE SEEDING AND MULCHING, EROSION CONTROL MATTING, AND/OR SODDING AND STAKING IN GREEN SPACE AREAS AND OTHERWISE APPROPRIATE MEASURES. USE EARLY APPLICATION OF GRAVEL BASE ON
- AREAS TO BE PAVED. 9. DO NOT REMOVE ANY EROSION AND SEDIMENT CONTROL DEVICES AFTER THE PROTECTED AREA HAS UNDERGONE FINAL STABILIZATION AND PERMANENT VEGETATION HAS BEEN ESTABLISHED, IT IS RECOMMENDED THAT NCDEQ
- APPROVE THE ACTION PRIOR TO REMOVAL. 10. THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED CONCURRENTLY WITH THE INITIATION OF CONSTRUCTION ACTIVITY.
- 11. THE INSTALLATION OF EROSION CONTROL MEASURES SHALL TAKE PRECEDENCE OVER ALL OTHER CONSTRUCTION ACTIVITIES.
- 12. THE PERMITTEE SHALL BE HELD RESPONSIBLE FOR THE ACTIONS AND PERFORMANCE OF ANY OTHER PARTIES
- PERFORMING WORK ON THIS PROJECT. 13. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- 14. PURSUANT TO G.S. 113A-57(2), THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. IN ANY EVENT, SLOPES LEFT EXPOSED WILL WITHIN 7 OR 14 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER, DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION. PURSUANT TO G.S. 113A-57(3), PROVISIONS FOR PERMANENT GROUND COVER SUFFICIENT TO RETAIN EROSION MUST BE ACCOMPLISHED FOR ALL DISTURBED AREAS WITHIN
- 14 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION DEVELOPMENT. 15. CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL EROSION
- CONTROL MEASURES SHOWN AND ANY ADDITIONAL MEASURES REQUIRED TO CONTROL THE SEDIMENT DURING THE COURSE OF CONSTRUCTION. 16. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO THE DETAILS
- HFRFIN. 17. THE CONTACT PERSON FOR EROSION CONTROL ISSUES THAT ARISE ON SITE IS JOHN PARKER. CONTACT 910-944-0881.

#### GRADING NOTES

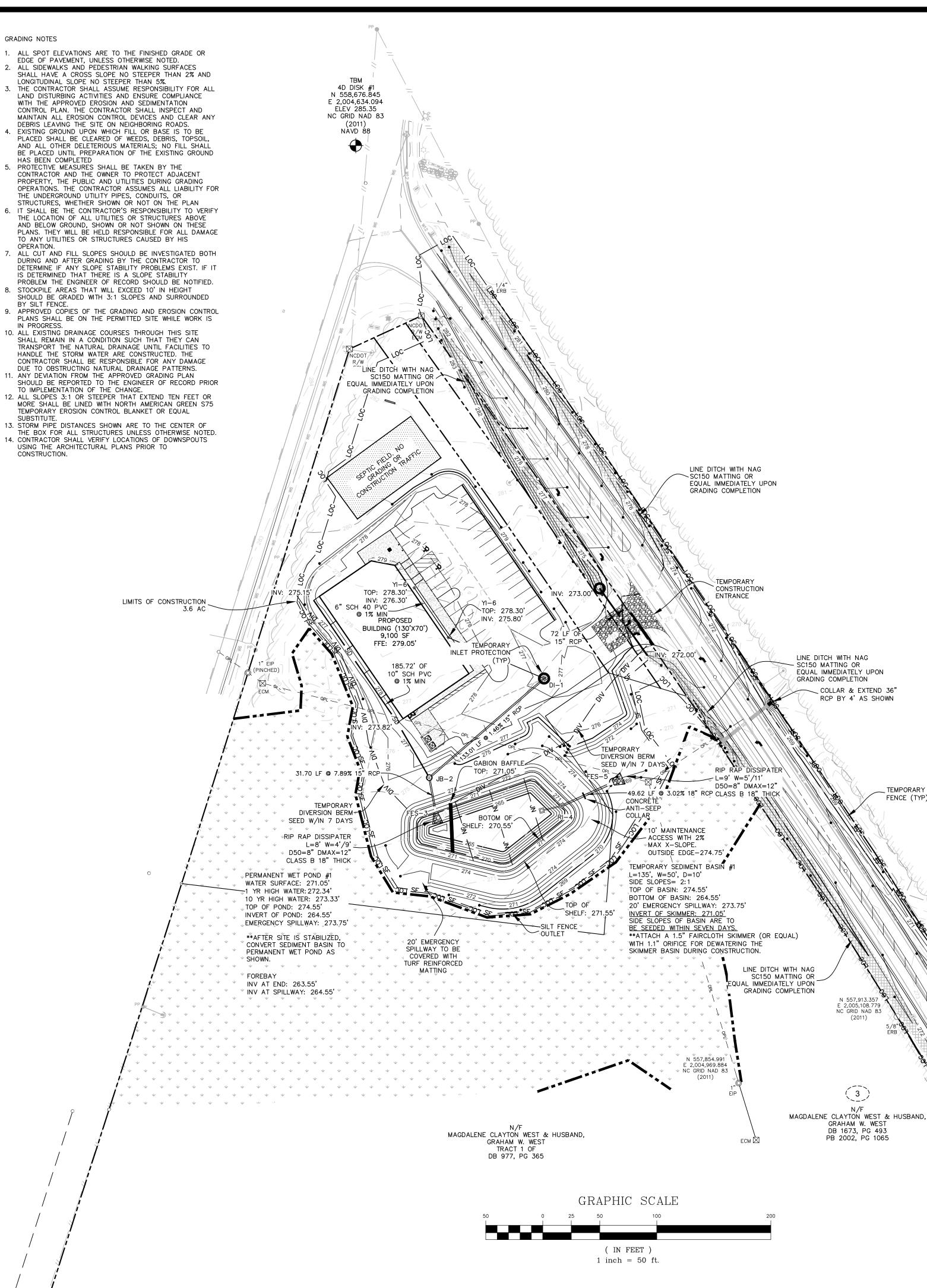
- EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. 2. ALL SIDEWALKS AND PEDESTRIAN WALKING SURFACES SHALL HAVE A CROSS SLOPE NO STEEPER THAN 2% AND LONGITUDINAL SLOPE NO STEEPER THAN 5%. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ALL LAND DISTURBING ACTIVITIES AND ENSURE COMPLIANCE WITH THE APPROVED EROSION AND SEDIMENTATION
- CONTROL PLAN. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION CONTROL DEVICES AND CLEAR ANY DEBRIS LEAVING THE SITE ON NEIGHBORING ROADS. 4. EXISTING GROUND UPON WHICH FILL OR BASE IS TO BE PLACED SHALL BE CLEARED OF WEEDS, DEBRIS, TOPSOIL,
- AND ALL OTHER DELETERIOUS MATERIALS; NO FILL SHALL BE PLACED UNTIL PREPARATION OF THE EXISTING GROUND HAS BEEN COMPLETED PROTECTIVE MEASURES SHALL BE TAKEN BY THE
- CONTRACTOR AND THE OWNER TO PROTECT ADJACENT PROPERTY. THE PUBLIC AND UTILITIES DURING GRADING OPERATIONS. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE UNDERGROUND UTILITY PIPES, CONDUITS, OR STRUCTURES, WHETHER SHOWN OR NOT ON THE PLAN IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY
- AND BELOW GROUND, SHOWN OR NOT SHOWN ON THESE PLANS. THEY WILL BE HELD RESPONSIBLE FOR ALL DAMAGE TO ANY UTILITIES OR STRUCTURES CAUSED BY HIS OPERATION.
- DURING AND AFTER GRADING BY THE CONTRACTOR TO DETERMINE IF ANY SLOPE STABILITY PROBLEMS EXIST. IF IT IS DETERMINED THAT THERE IS A SLOPE STABILITY PROBLEM THE ENGINEER OF RECORD SHOULD BE NOTIFIED.
- SHOULD BE GRADED WITH 3:1 SLOPES AND SURROUNDED BY SILT FENCE. 9. APPROVED COPIES OF THE GRADING AND EROSION CONTROL PLANS SHALL BE ON THE PERMITTED SITE WHILE WORK IS
- IN PROGRESS 10. ALL EXISTING DRAINAGE COURSES THROUGH THIS SITE SHALL REMAIN IN A CONDITION SUCH THAT THEY CAN TRANSPORT THE NATURAL DRAINAGE UNTIL FACILITIES TO HANDLE THE STORM WATER ARE CONSTRUCTED. THE
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS. 11. ANY DEVIATION FROM THE APPROVED GRADING PLAN SHOULD BE REPORTED TO THE ENGINEER OF RECORD PRIOR
- TO IMPLEMENTATION OF THE CHANGE. 12. ALL SLOPES 3:1 OR STEEPER THAT EXTEND TEN FEET OR MORE SHALL BE LINED WITH NORTH AMERICAN GREEN S75
- SUBSTITUT 13. STORM PIPE DISTANCES SHOWN ARE TO THE CENTER OF THE BOX FOR ALL STRUCTURES UNLESS OTHERWISE NOTED.
- 14. CONTRACTOR SHALL VERIFY LOCATIONS OF DOWNSPOUTS USING THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.

#### GROUND STABILIZATION CHART STABILIZATION STABILIZATION TIME

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITHCES AND 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 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)



Call before you dig.



THE CONTRACTOR MUST CONTACT NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 A MINIMUM OF 72 HOURS PRIOR TO DIGGING IN ORDER TO HAVE THE EXISTING UTILITIES LOCATED

CONSTRUCTION SEQUENCE

- 1. OBTAIN ALL NECESSARY PERMITS AND APPROVALS AND HOLD PRE CONSTRUCTION CONFERENCE.
- 2. INSTALL STONE CONSTRUCTION ENTRANCE AND TEMPORARY SILT FENCE WHERE SPECIFIED.
- 3. CONSTRUCT TEMPORARY SEDIMENT BASIN. 4. CONSTRUCTION TEMPORARY DIVERSION BERMS.
- 5. CLEAR AND GRUB THE SITE AS NEEDED. 6. ROUGH GRADE THE SITE AND APPLY TEMPORARY SEEDING TO AREAS REMAIN
- GRASSED. 7. INSTALL UTILITIES. 8. INSTALL INLET PROTECTION ON ALL NEW STORM WATER INLETS.
- 9. PERFORM FINE GRADING. 10. INSTALL AND PREPARE BASE COURSE.
- 11. PAVE ROADWAYS AND PARKING LOTS. 12. FERTILIZE, SEED AND MULCH ALL REMAINING DISTURBED AREAS.
- 13. UPON SITE STABILIZATION, SEEK NCDEQ APPROVAL TO REMOVE ALL TEMPORARY MEASURES. 14. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED AS OUTLINED IN THE DETAILS WITHIN THE PLANS AND ACCORDING TO THE NCDEQ EROSION CONTROL MANUAL

NOTIFICATION OF COMBINED SELF-MONITORING AND SELF-INSPECTION FORM:

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TOOK EFFECT OCTOBER 1, 2010.

TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, DWQ AND DEMLR DEVELOPED A COMBINED FORM. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. THE FORM CAN BE ACCESSED AT: HTTP: //PORTAL.NCDENR.ORG/WEB/LR/EROSION

IF YOU HAVE QUESTIONS OR CANNOT ACCESS THE FORM, PLEASE CONTACT THE FAYETTEVILLE REGIONAL OFFICE AT (910) 433-3300.





REVISIONS

**PROJECT NAME** 

SPRING LAKE **RAY ROAD** DOLLAR **GENERAL** 

### **GRADING AND EROSION CONTROL PLAN**

CLIENT

RHETSON **COMPANIES, INC** 

2075 Juniper Lake Road West End, North Carolina 27376 Phone: (910) 944-0881

**PROJECT INFORMATION** 

DESIGNED BY:	SCOTT
DRAWN BY:	SCOTT
CHECKED BY:	CHRIS
PROJECT NUMBER:	1644

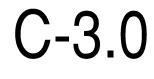
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HORIZONTAL: 1"=50'

DATE RELEASED

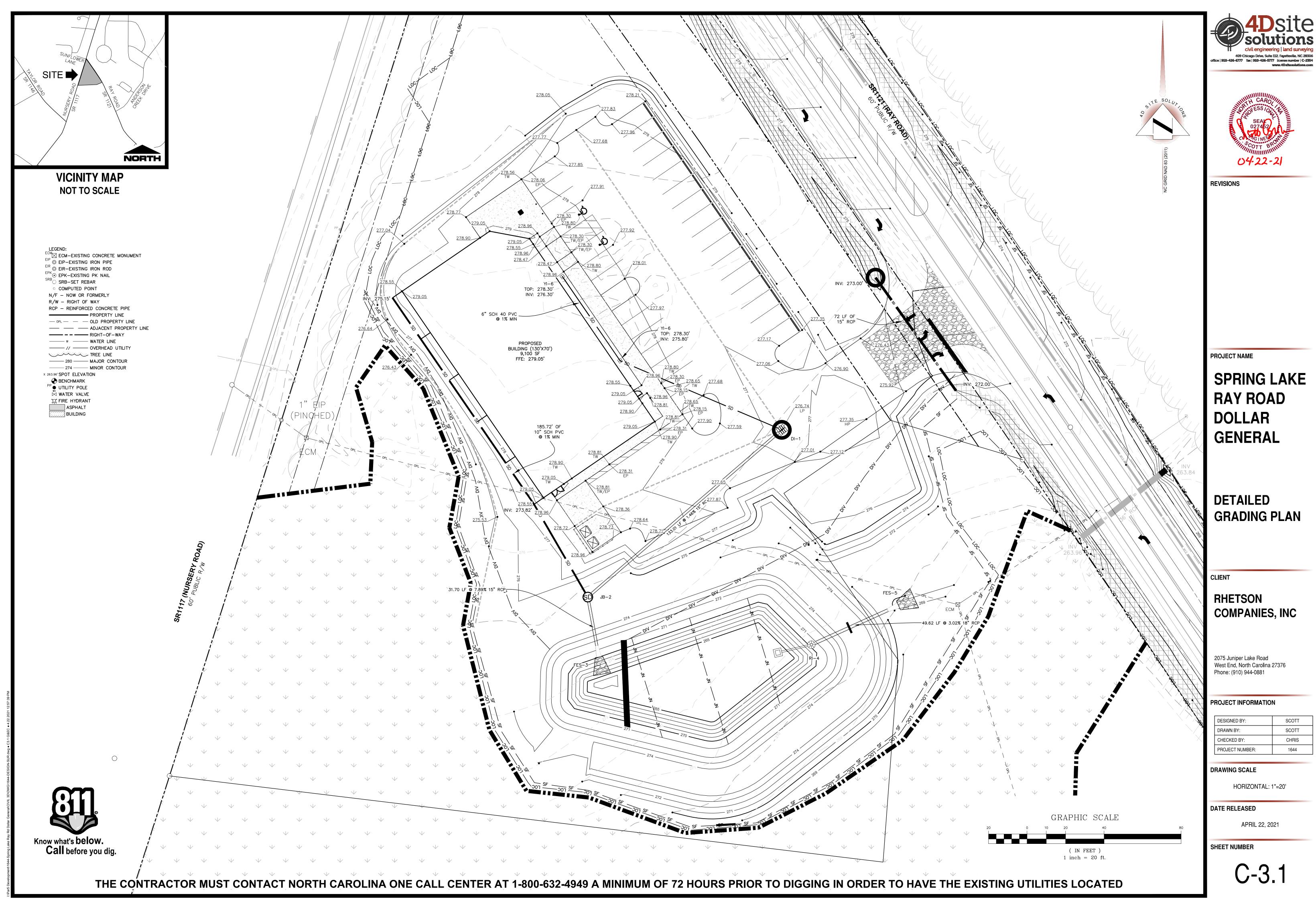
APRIL 22, 2021

SHEET NUMBER

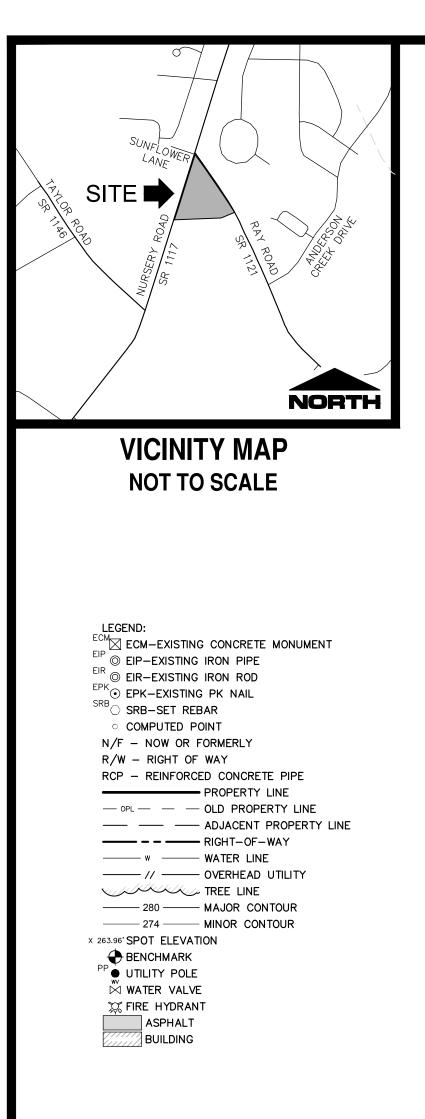


TEMPORARY SILT

FENCE (TYP)

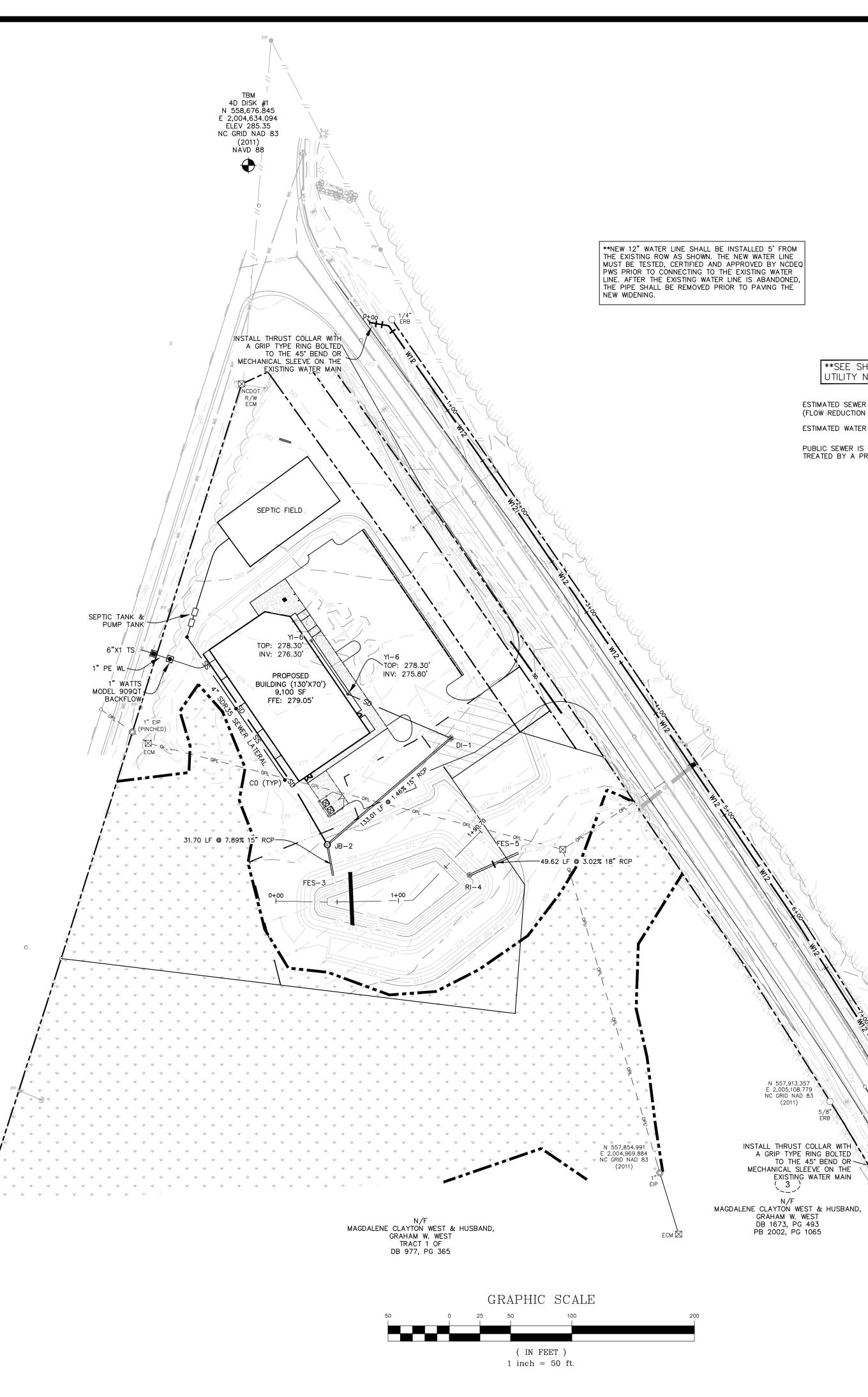


SCOTT
SCOTT
CHRIS
1644





Know what's **below. Call** before you dig.



THE CONTRACTOR MUST CONTACT NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 A MINIMUM OF 72 HOURS PRIOR TO DIGGING IN ORDER TO HAVE THE EXISTING UTILITIES LOCATED

CLIENT

RHETSON

2075 Juniper Lake Road

**PROJECT INFORMATION** 

Phone: (910) 944-0881

West End, North Carolina 27376

**COMPANIES, INC** 

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DRAWING SCALE

HORIZONTAL: 1"=50'

DATE RELEASED

APRIL 22, 2021

SHEET NUMBER

C-4.0

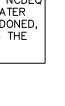
ESTIMATED WATER USAGE - 200 GPD

PUBLIC SEWER IS NOT AVAILABLE. SEWAGE WILL BE TREATED BY A PRIVATE SEPTIC SYSTEM.

(FLOW REDUCTION LETTER FROM NCDEQ)

UTILITY NOTES ESTIMATED SEWER FLOW FOR SEPTIC - 200 GPD

\*\*SEE SHEET G-1.0 FOR



N/F





REVISIONS

PROJECT NAME

**SPRING LAKE** 

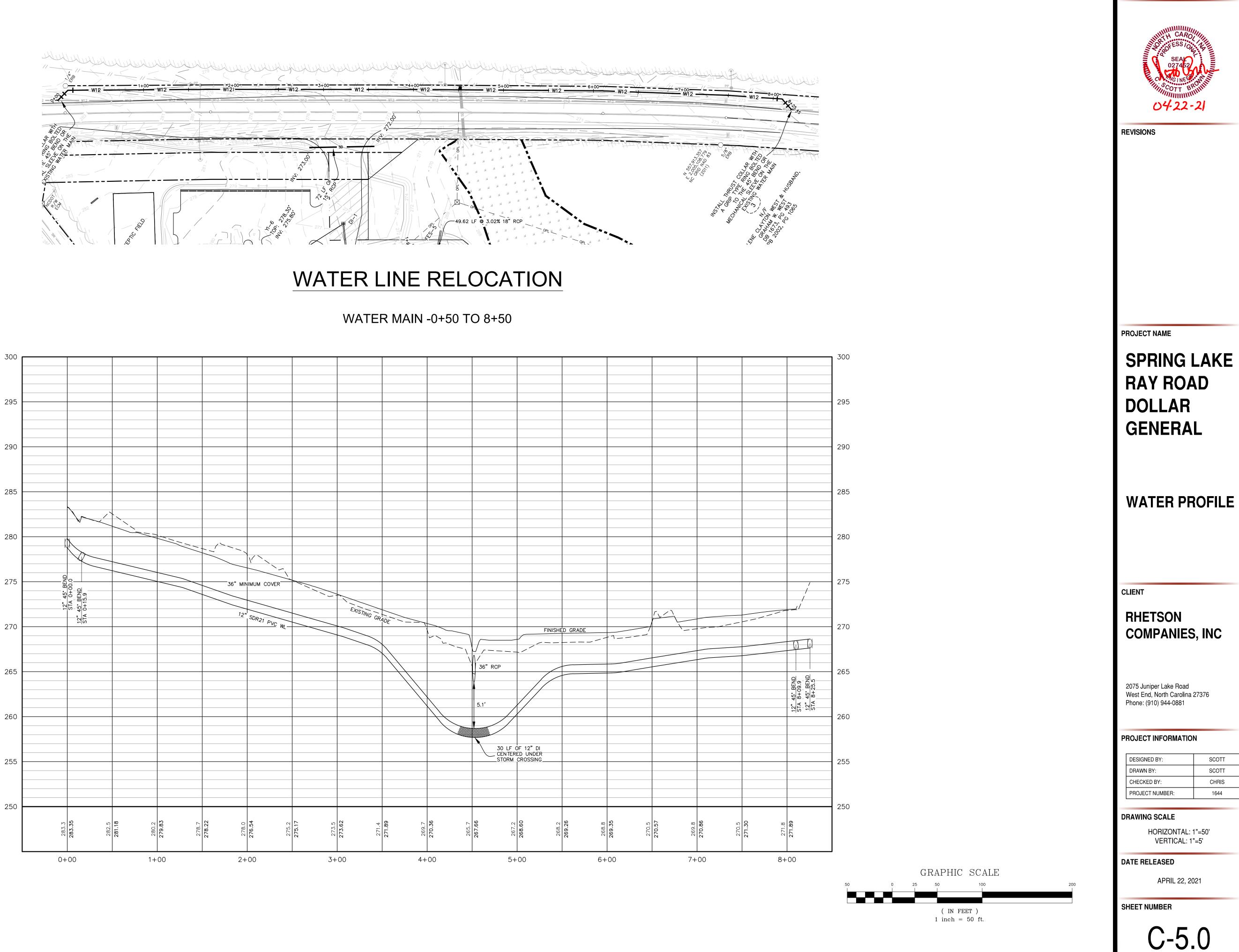
**RAY ROAD** 

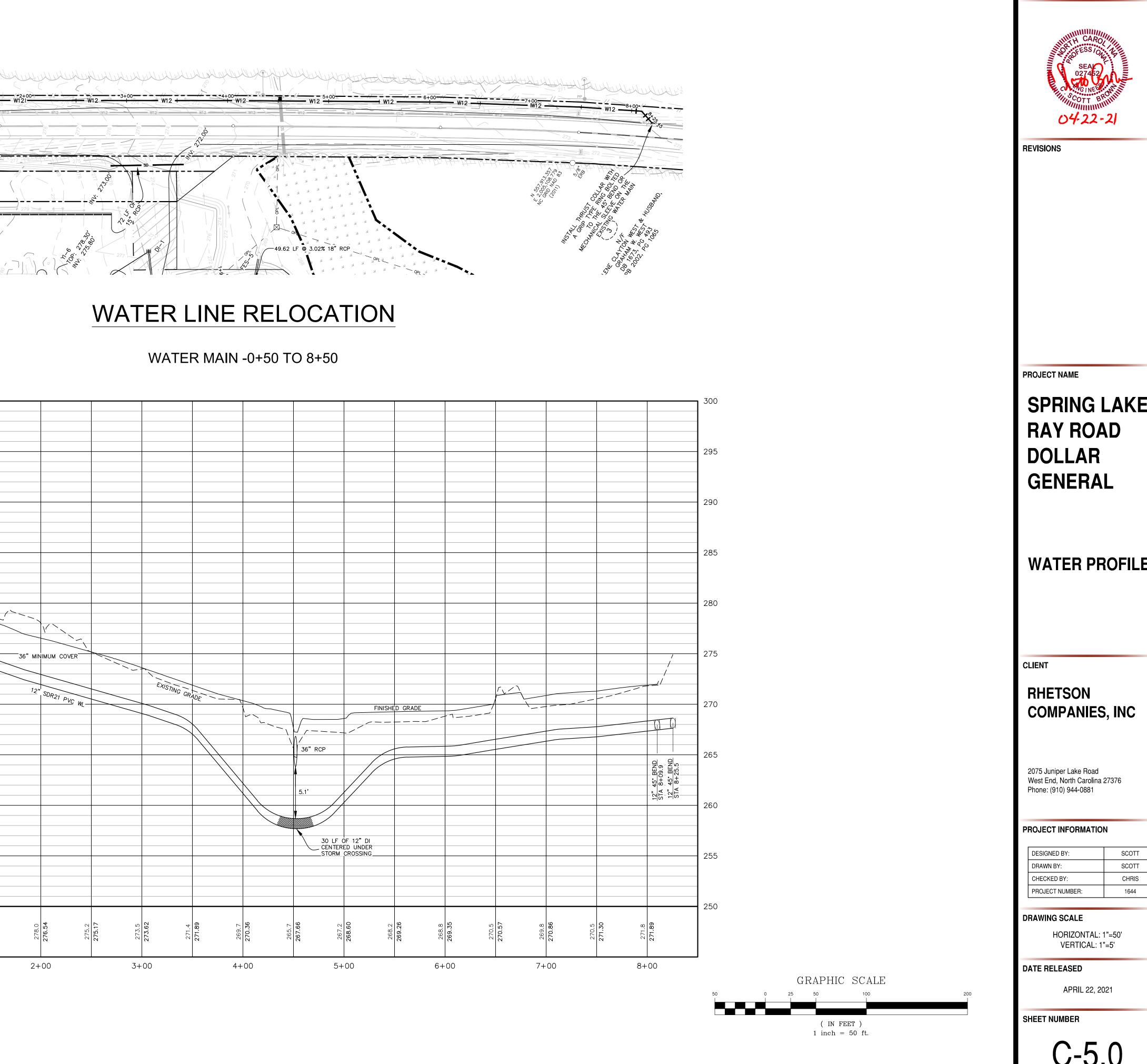
DOLLAR

GENERAL

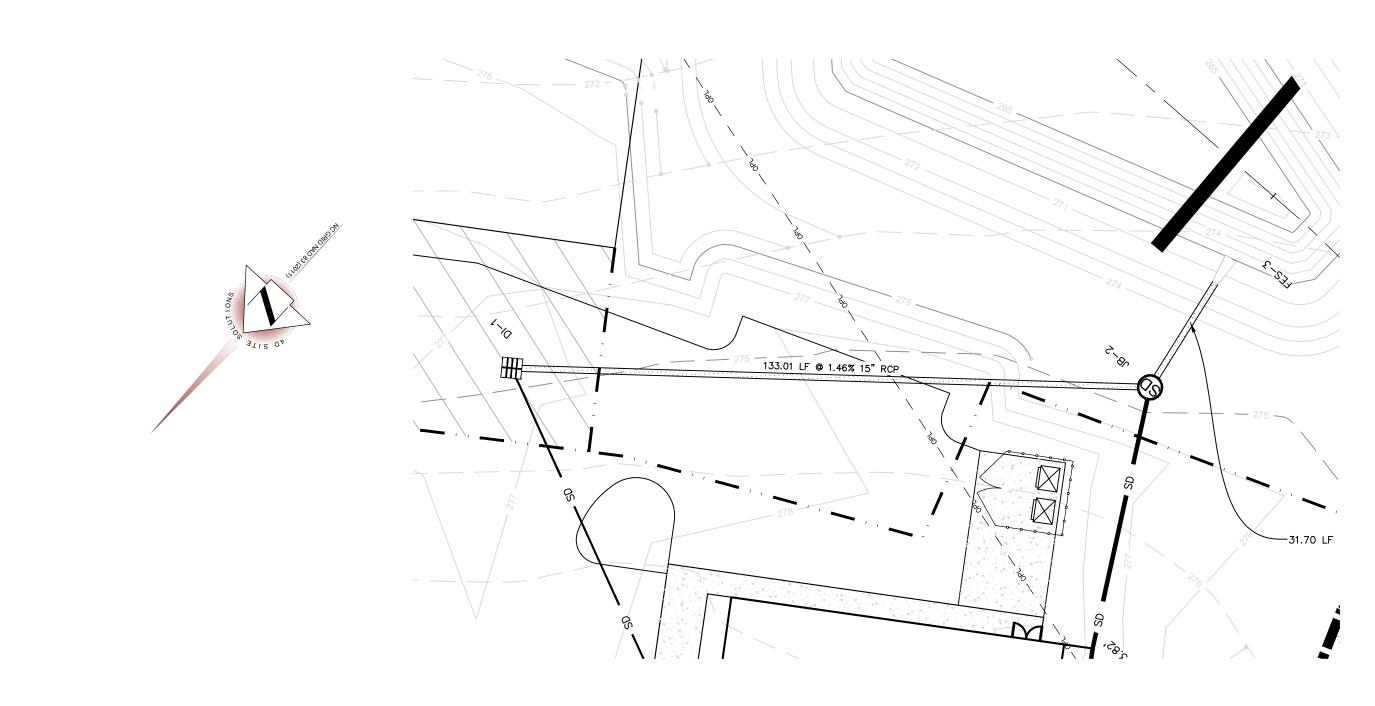
UTILITY PLAN

2 A 0-10



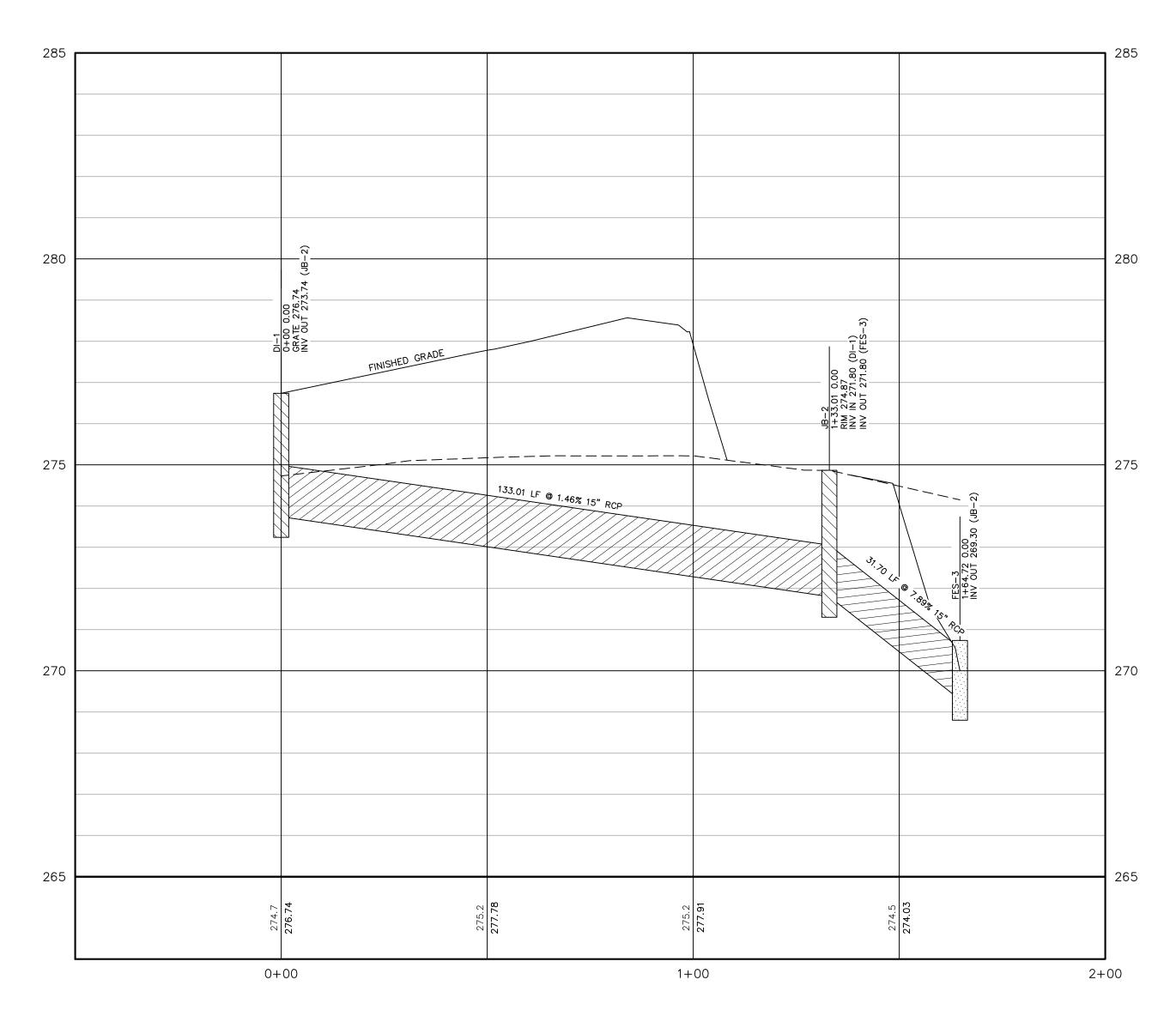


office | 910-426-6777 fax | 910-426-5777 license mimber | C-2354



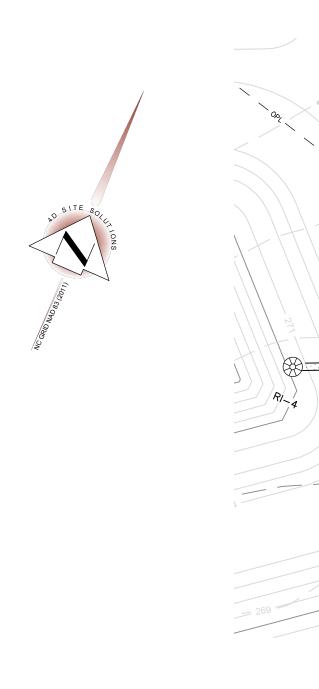
# DI-1 TO FES-3

### STORM DRAIN -0+50 TO 2+00



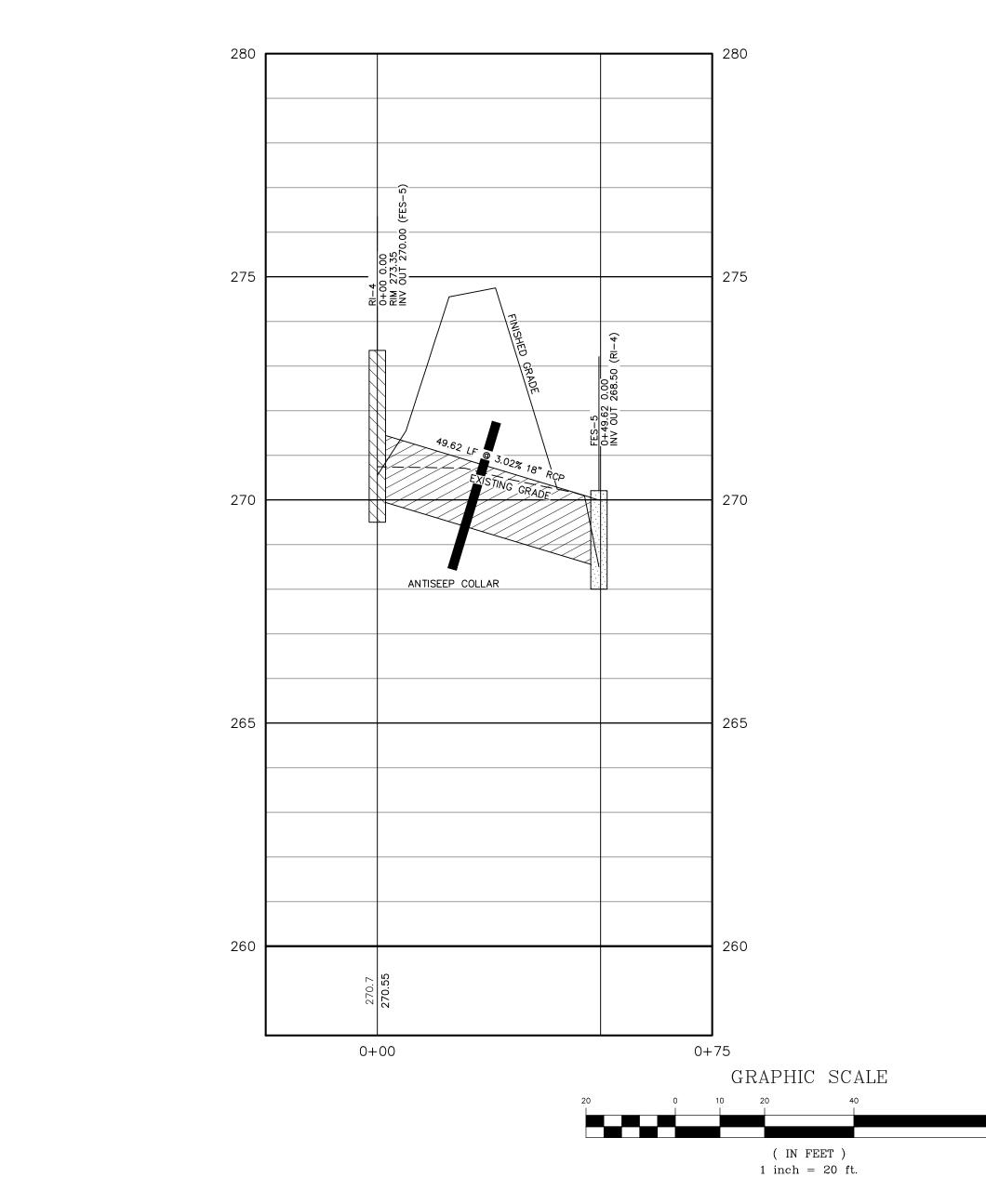


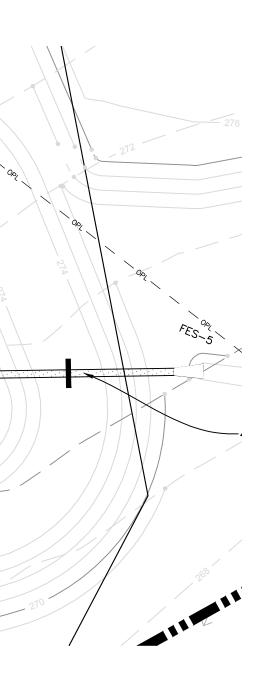












RI-4 TO FES-5

### STORM DRAIN -0+25 TO 0+75

site 409 Chicago Drive, Suite 112, Fayetteville, NC 28306 ffice | 910-426-6777 fax | 910-426-5777 license mimber | C-2354



REVISIONS

PROJECT NAME

SPRING LAKE **RAY ROAD** DOLLAR GENERAL

STORM PROFILES

CLIENT

RHETSON **COMPANIES, INC** 

2075 Juniper Lake Road West End, North Carolina 27376 Phone: (910) 944-0881

**PROJECT INFORMATION** 

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DRAWN BY:	SCOTT
CHECKED BY:	CHRIS
PROJECT NUMBER:	1644

DRAWING SCALE

HORIZONTAL: 1"=20' VERTICAL: 1"=2'

DATE RELEASED

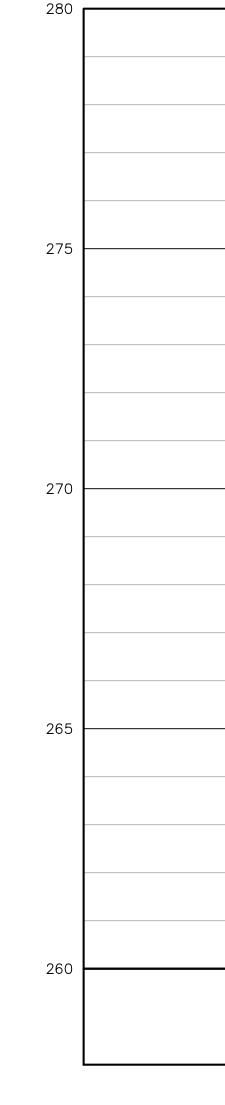
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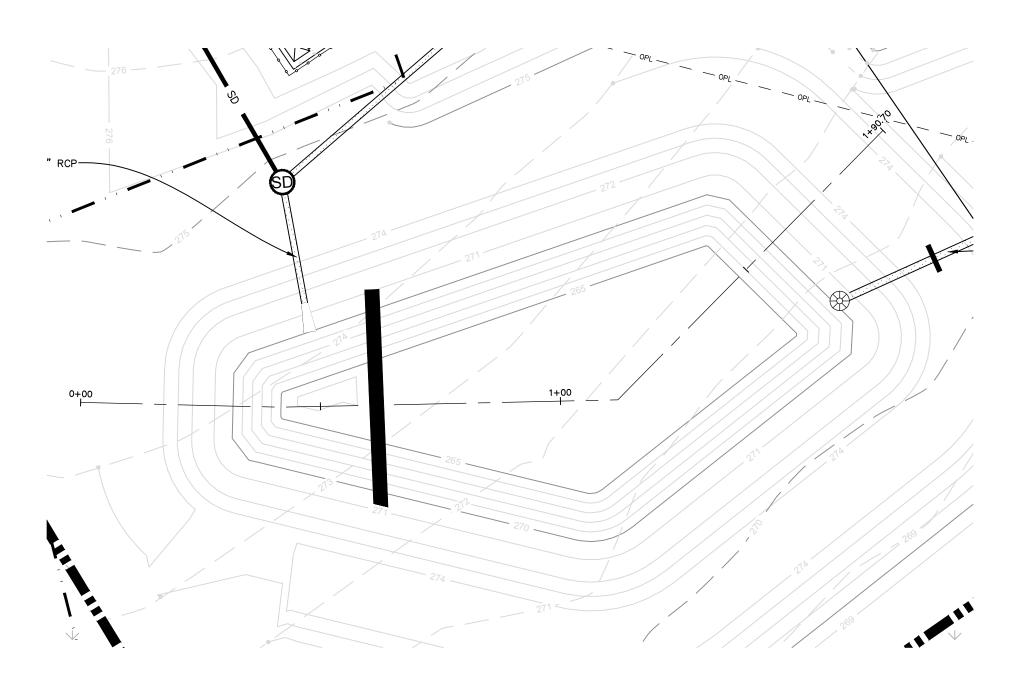
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C-5.1

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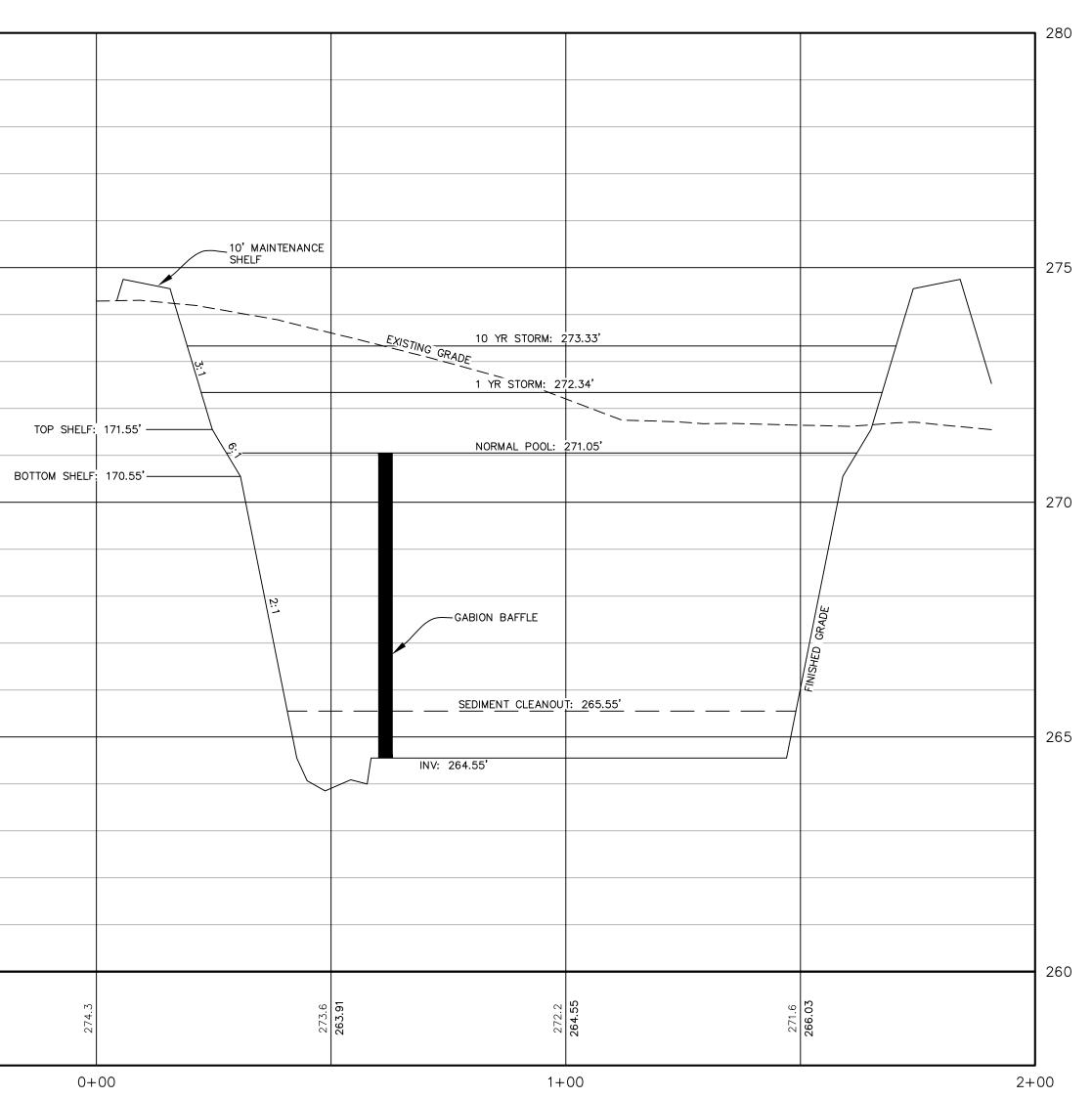






## WET POND #1

STORM DRAIN -0+50 TO 2+00





REVISIONS

PROJECT NAME

SPRING LAKE RAY ROAD DOLLAR GENERAL

STORM PROFILES

CLIENT

RHETSON COMPANIES, INC

2075 Juniper Lake Road West End, North Carolina 27376 Phone: (910) 944-0881

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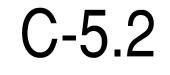
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DATE RELEASED

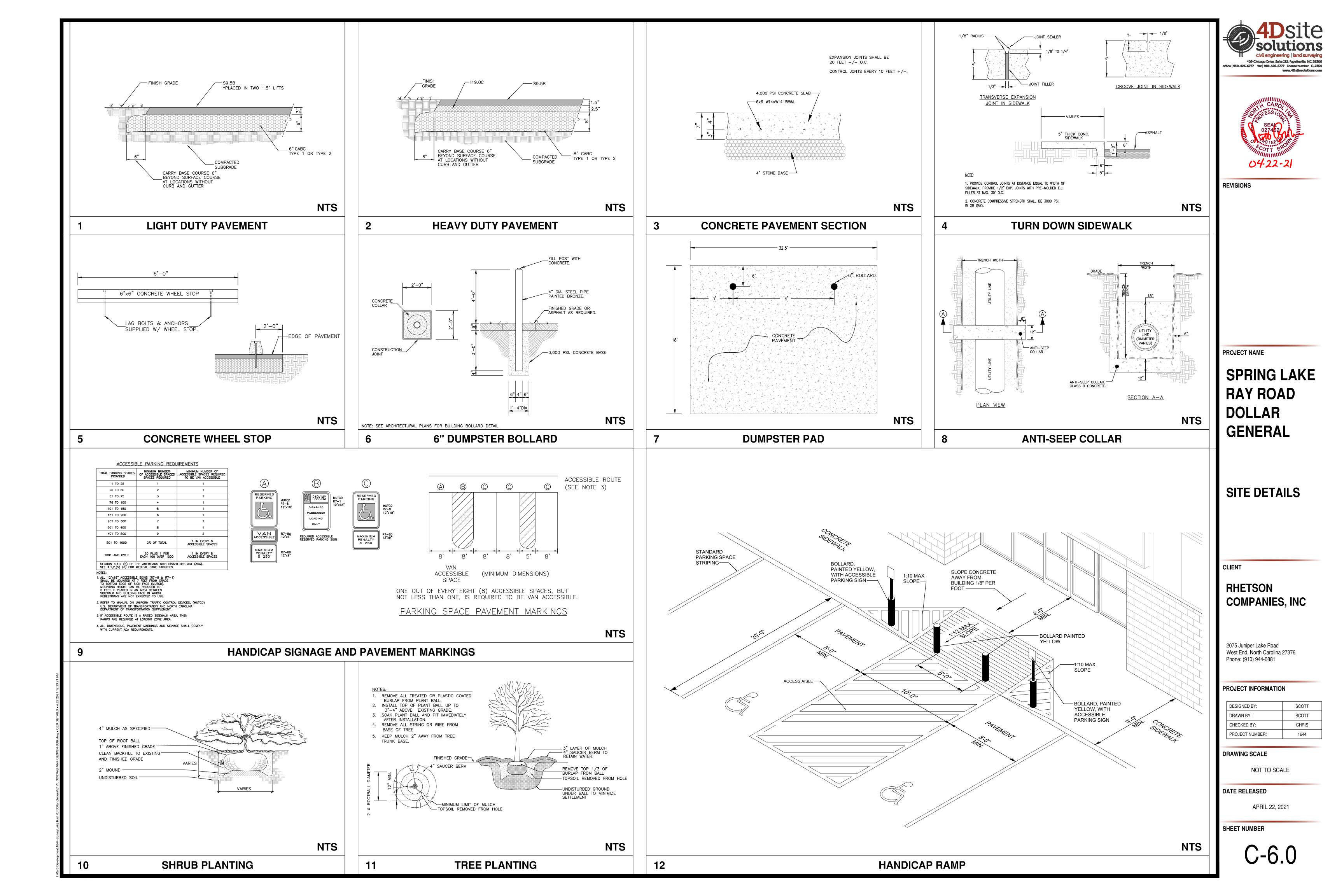
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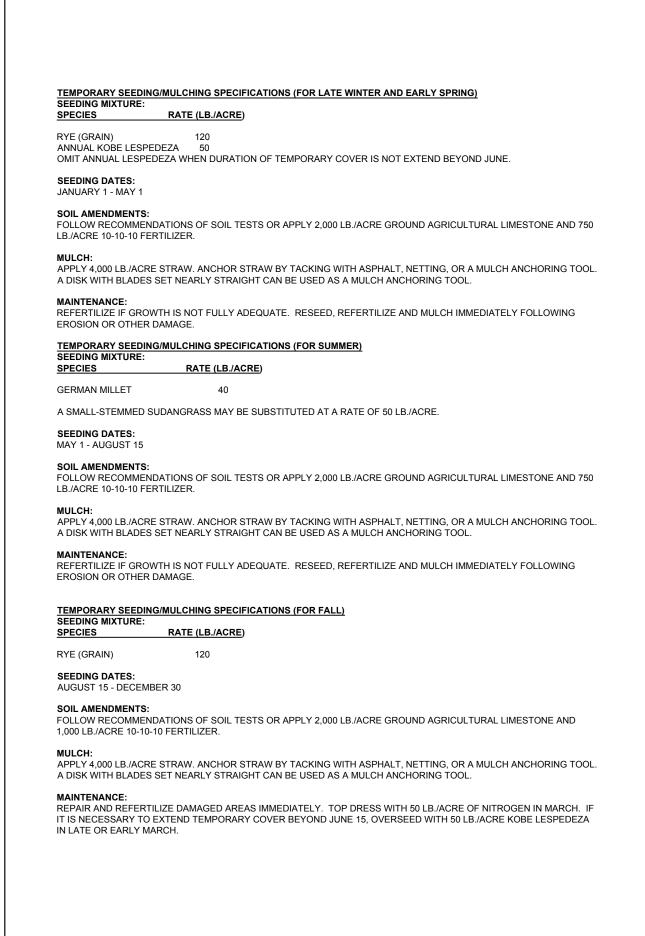
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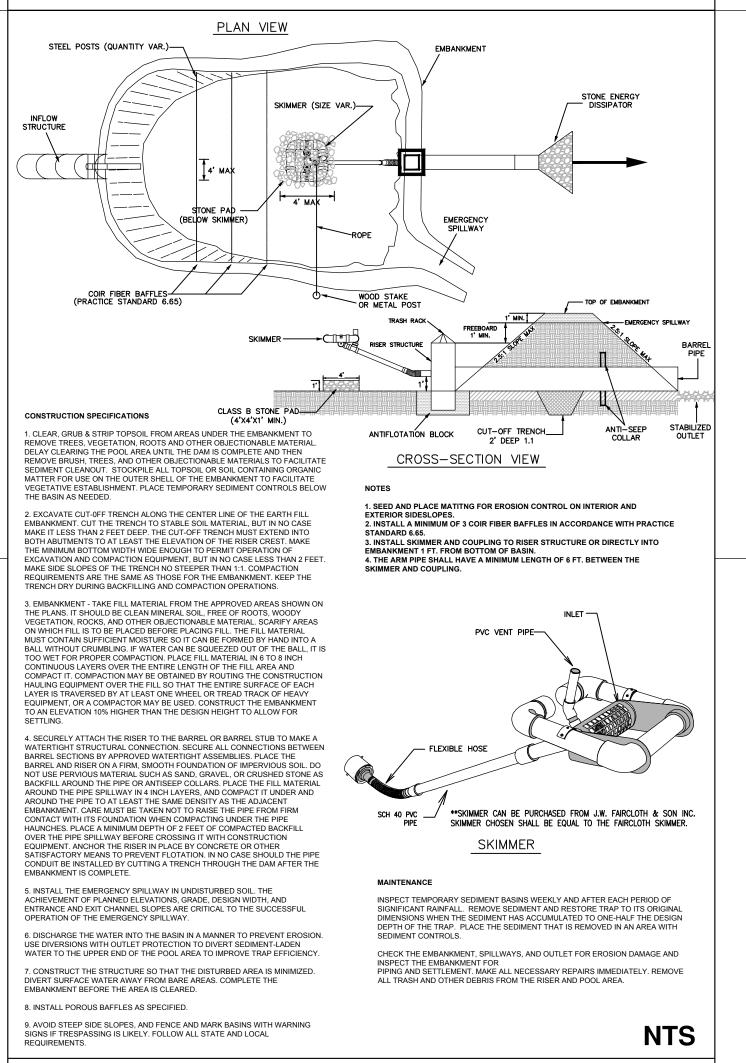


		G	RAPH	IC SCALE	
20	0	10	20	40	
				f = 20 ft.	









2 \_\_\_\_\_ STANDARD METAL POSTS 2'-0" IN GROUND 2:1 SLOPE GRAVEL FILTER MINIMUM ABOVE TOP OF BOX MAINTENANCE INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVID ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING THE SEDIMENT REMOVAL. REPLACE STONE AS NEEDED. 8 CENTER OF THE DAM IS-TO BE 9" LOWER THAN THE EDGES (MIN) TO FORM A WEIR FILTER FABRIC CHANNEL OR DITCH -APPLICATION MAINTENANCE 1. INSPECT THE CHECK DAMS AFTER EACH RAINFALL BUT IN NO CASE LESS THAN ONCE PER WEEK 3. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN. TAKE CARE TO AVOID UNDERMINING THE DAM DURING CLEANOUT 3. CLEAN OR REPLACE THE STONE WHEN IT SHOWS SIGNS OF CLOGGING OR OTHERWISE DOES NOT PERFORM CORRECTLY

HEIGHT OF THE WEIR.

SEEDING SPECIFICATIONS

PENSACOLA BAHIAGRASS

RATE (LBS./ACRE)

OR AFTER AUG. 15, ADD 25 LB./ACRE RYE (GRAIN).

BEST

EARLY SPRING: FEB. 15 - MAR. 20 FEB. 15 - APR. 30

1. FROM SEPT. 1 TO MAR. 1 USE UNSCARIFIED SERICEA SEED.

2. ON POORLY DRAINED SITES OMIT SERICEA AND INCREASE KOBE TO 30 LB./ACRE

SEPT. 1 - SEPT. 30 SEPT. 1 - OCT. 31

BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL

RATE (LB./ACRE)

LB./ACRE GRAIN STRAW AND ANCHOR STRAW BY STAPLING NETTING OVER THE TOP.

REFERTILIZE THE FOLLOWING APR. WITH 50 LB./ACRE NITROGEN.

RESEED FERTILIZE AND MULCH DAMAGED AREAS IMMEDIATELY

COMMON BERMUDAGRASS 40-80(1-2 LB./1,000 FT<sup>2</sup>)

3. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA AND INCREASE KOBE TO 40 LB./ACRE.

POSSIBLE

LIMESTONE (USE THE LOWER RATE ON SANDY SOILS) AND 1,000 LB./ACRE 10-10-10 FERTILIZER.

BETWEEN APRIL 15 AND AUG. 15, ADD 10 LB./ACRE OF GERMAN MILLET OR 15 LB./ACRE SUDANGRASS. PRIOR TO MAY 1

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TEST, OR APPLY 3,000 - 5,000 LB./ACRE GROUND AGRICULTURAL

APPLY 4,000 LB./ACRE GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. ANCHOR STRAW BY

TACKING WITH ASPHALT, NETTING, OR ROVING OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH

IF GROWTH IS LESS THAN FULLY ADEQUATE, REFERTILIZE IN THE SECOND YEAR, ACCORDING TO THE SOIL TESTS OR

TOP DRESS WITH 500 LB./ACRE 10-10-10 FERTILIZER. MOW AS NEEDED WHEN SERICEA IS OMITTED FROM THE MIXTURE.

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TEST, OR APPLY 3,000 LB./ACRE GROUND AGRICULTURAL LIMESTONE

USE JUTE, EXCELSIOR MATTING, OR OTHER EFFECTIVE CHANNEL LINING MATERIAL TO COVER THE BOTTOM OF

MULCH AND ANCHORING MATERIALS MUST NOT BE ALLOWED TO WASH DOWN SLOPES WHERE THEY CAN CLOG

A MINIMUM OF 3 WEEKS IS REQUIRED FOR ESTABLISHMENT. INSPECTION AND REPAIR MULCH FREQUENTLY.

CHANNELS AND DITCHES. THE LINING SHOULD EXTEND ABOVE THE HIGHEST CALCULATED DEPTH OF FLOW. ON

CHANNEL SIDE SLOPES ABOVE THIS HEIGHT, AND IN DRAINAGES NOT REQUIRING TEMPORARY LININGS, APPLY 4,000

SEEDING MIXTURES:

SERICEA LESPEDEZA

KOBE LESPEDEZA

SEEDING NOTES:

NURSE PLANTS:

SEEDING DATES

SOIL AMENDMENTS:

MULCH:

MAINTENANCE

SEEDING SPECIFICATIONS

COASTAL PLAIN: APR. - JULY

AND 500 LB./ACRE 10-10-10 FERTILIZER.

SEEDING MIXTURE

SEEDING DATES:

SOIL AMENDMENTS

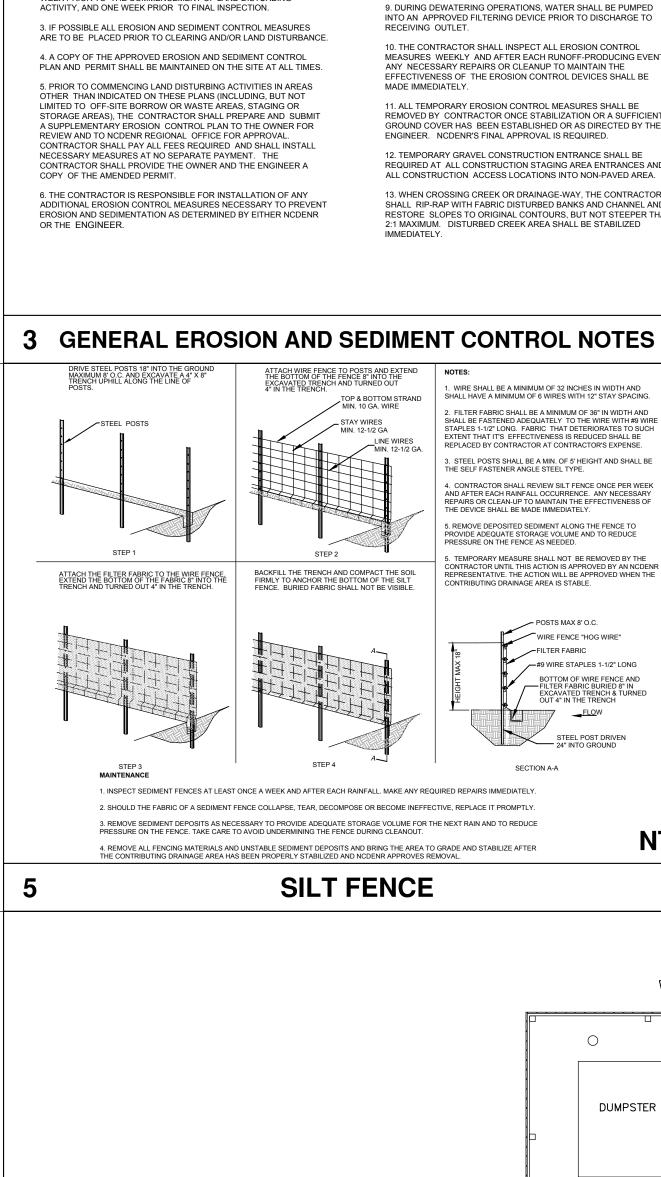
DRAINAGE DEVICES.

SPECIES

SPECIES

TALL FESCUE

**TEMPORARY SEDIMENT BASIN** 



### PERMANENT SEEDING SPECIFICATIONS

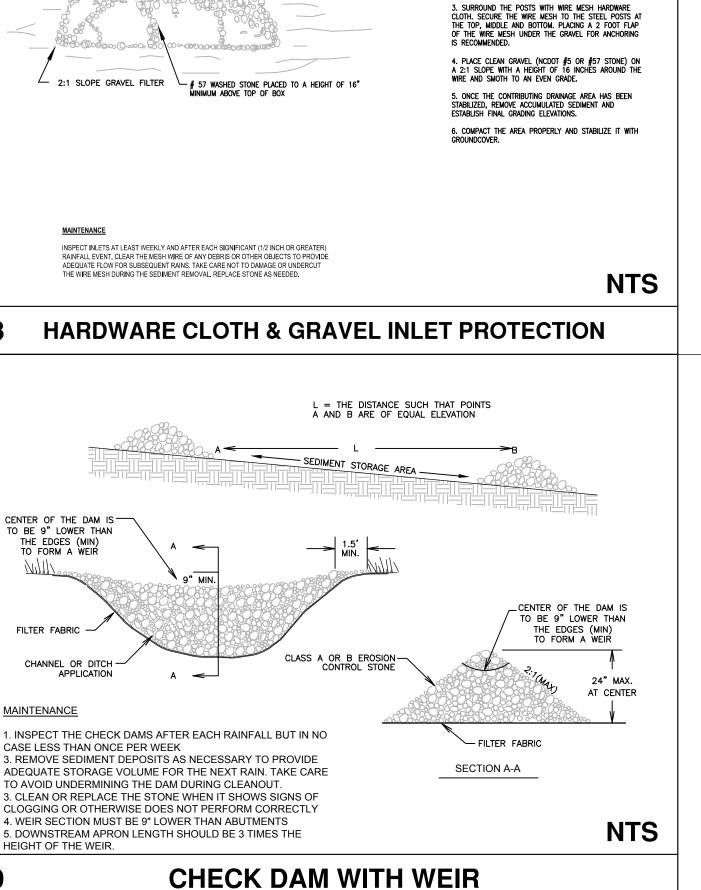
CONSTRUCTION SPECIFICATIONS

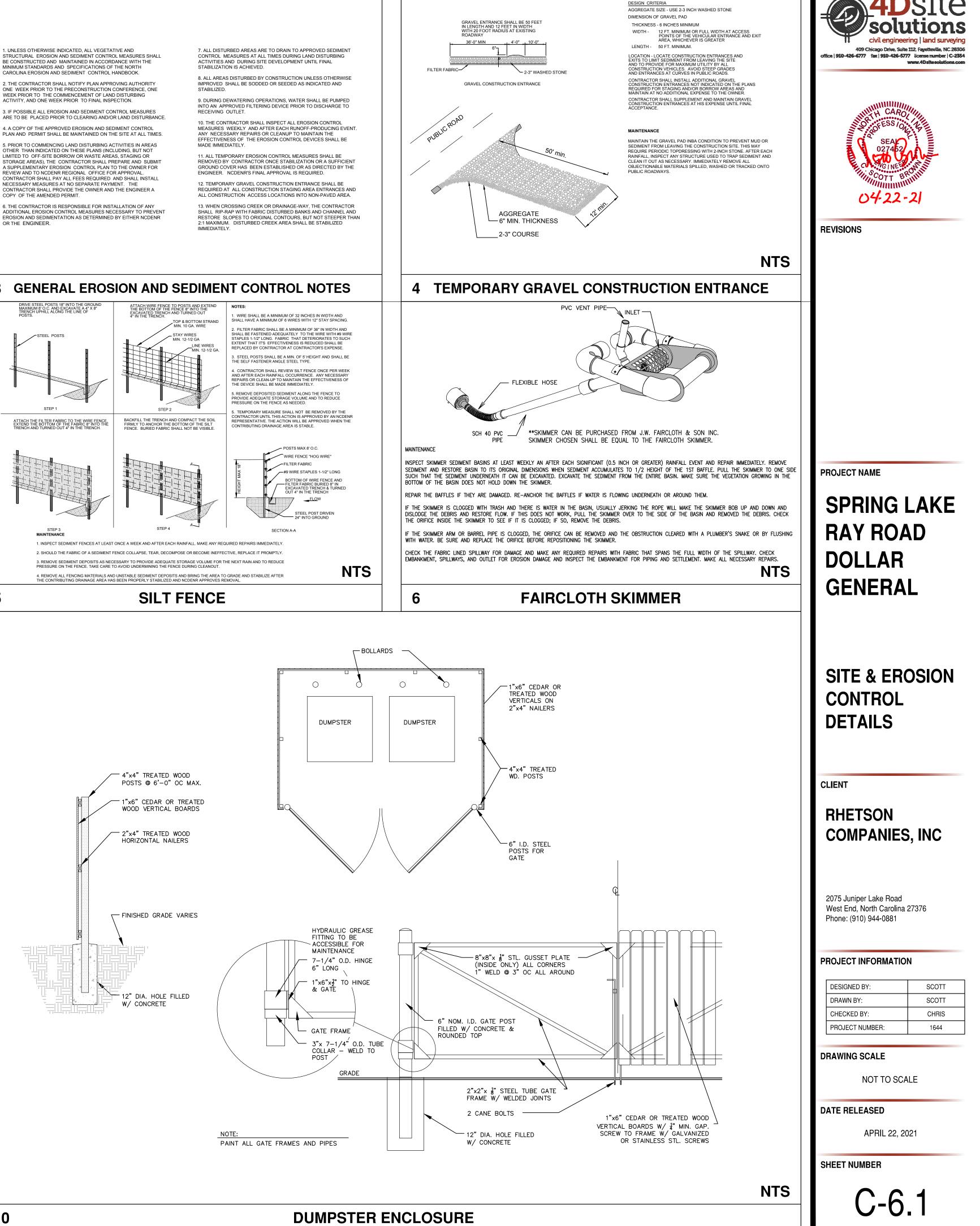
1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.

2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACES POSTS EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET

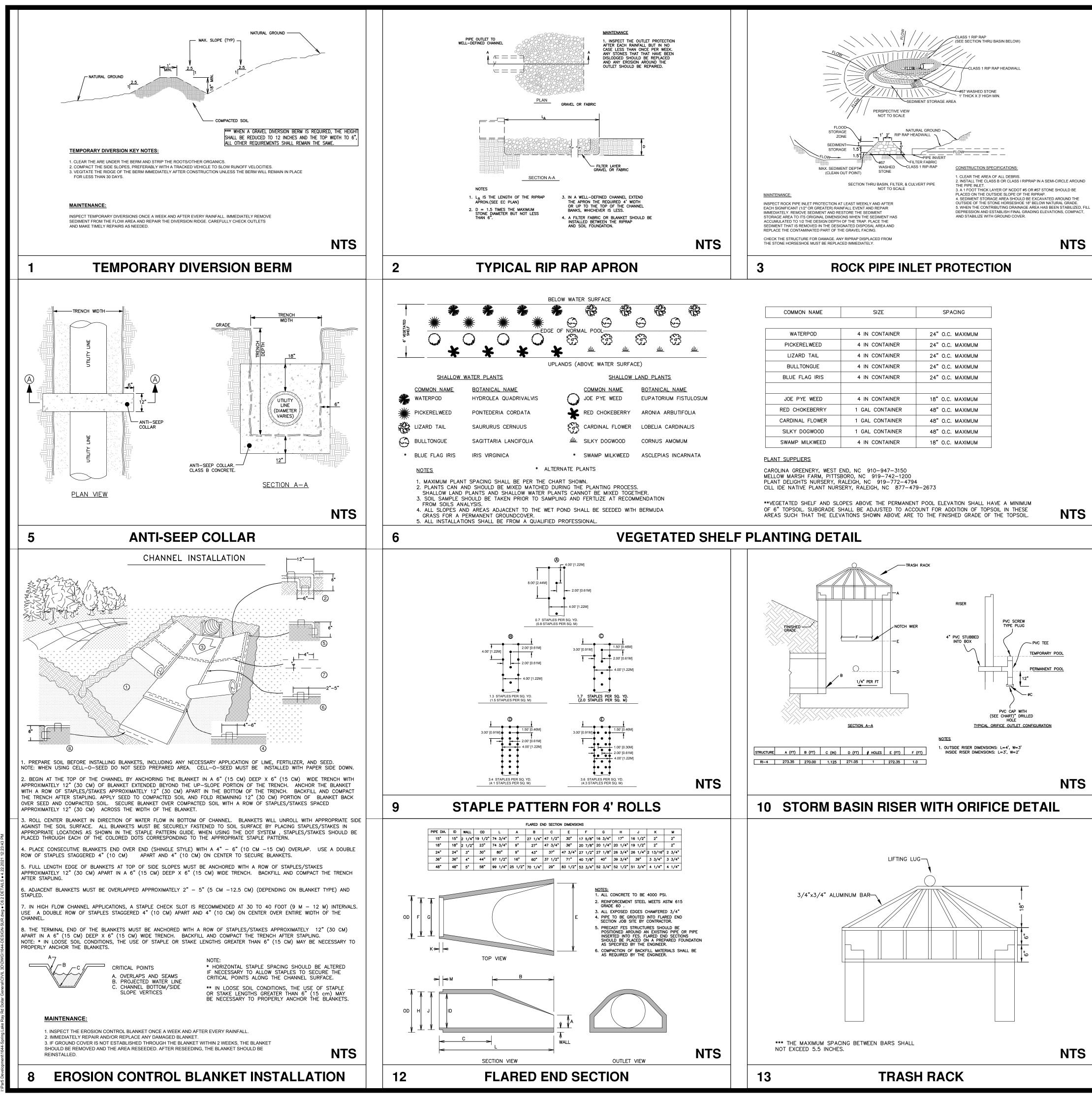
19 GAUGE HARDWARE CLOTH (1/4

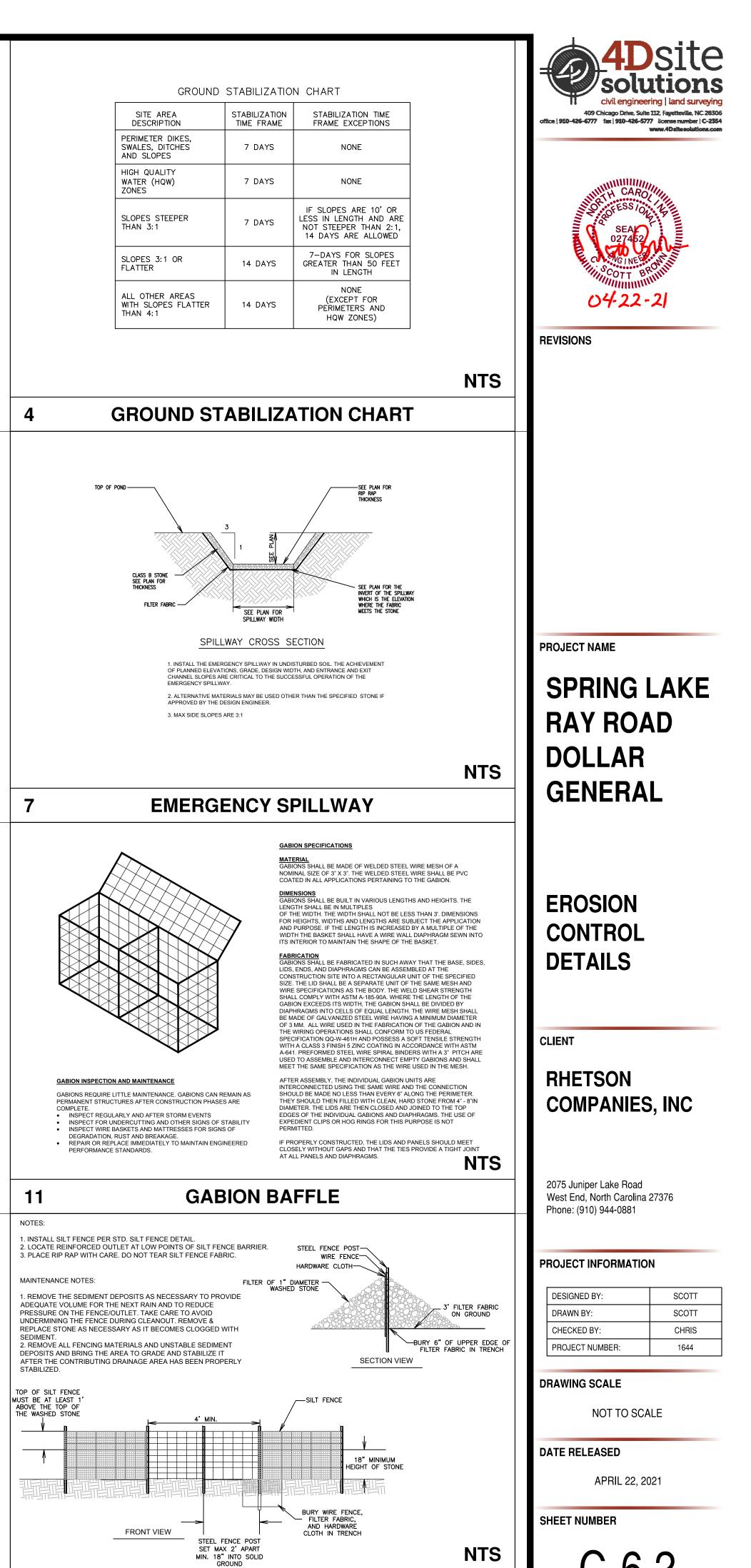
MESH OPENINGS



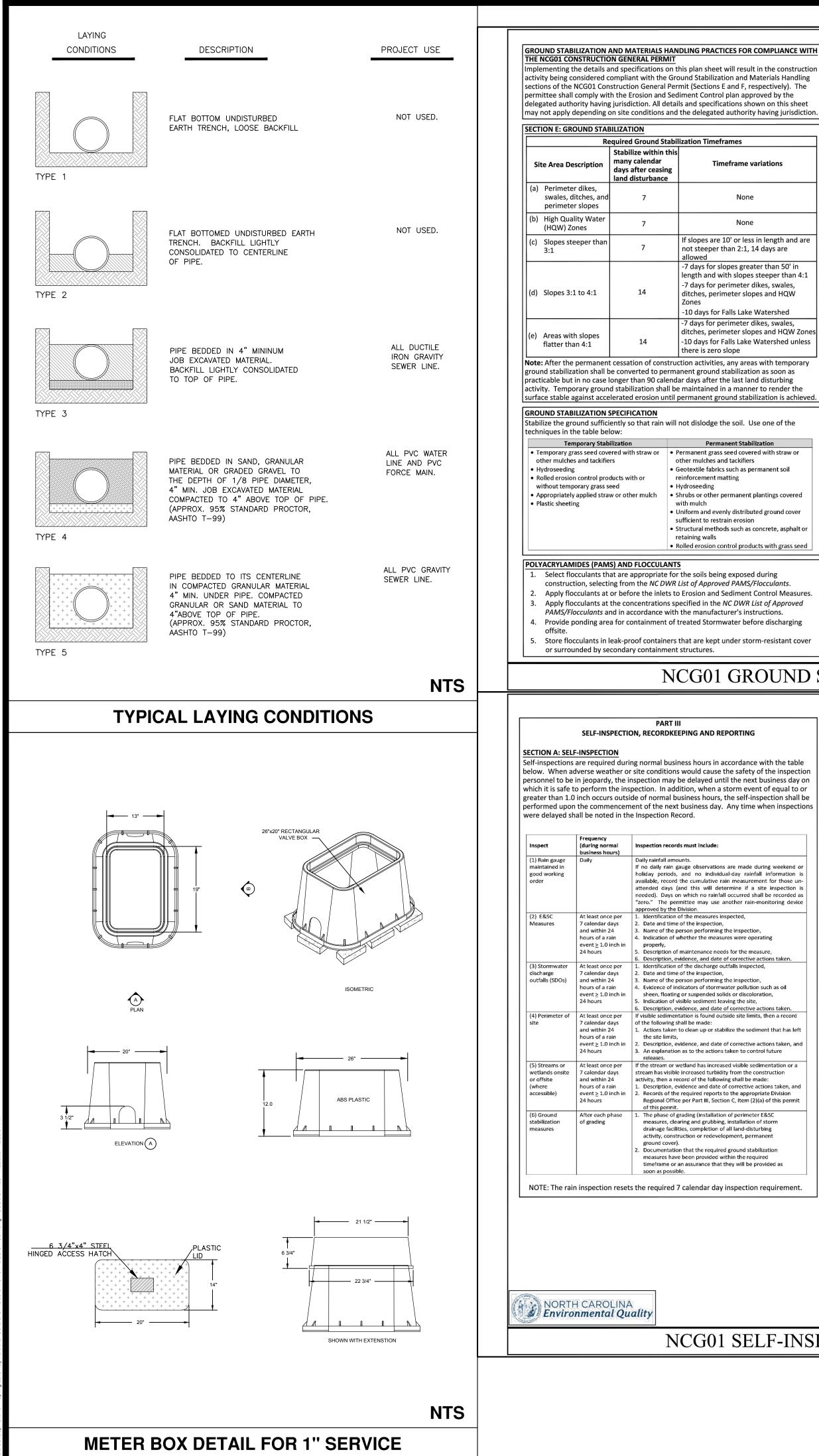


10





SILT FENCE OUTLET



RACTICES FOR COMPLIANCE WITH	EQUIPMENT AND VEHICLE MAINTENANCE	DNSITE CONCRETE WASHOUT STRUCTURE WITH LINER
heet will result in the construction ilization and Materials Handling ions E and F, respectively). The	<ol> <li>Maintain vehicles and equipment to prevent discharge of fluids.</li> <li>Provide drip pans under any stored equipment.</li> <li>Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.</li> </ol>	
ntrol plan approved by the cifications shown on this sheet	<ol> <li>Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).</li> </ol>	
ited authority having jurisdiction.	<ol> <li>Remove leaking vehicles and construction equipment from service until the problem has been corrected.</li> </ol>	
neframes	<ol> <li>Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.</li> </ol>	LINE CREATE WARDER TIMETURES SHALL WARD TE CLEAR AND
Timeframe variations	LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE	BELITY GRADE VASHIUT STRUCTURE. ABOVE GRADE VASHIUT STRUCTURE.
	1. Never bury or burn waste. Place litter and debris in approved waste containers.	
None	<ol> <li>Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.</li> <li>Locate waste containers at least 50 feet away from storm drain inlets and surface</li> </ol>	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 loca
None	<ul><li>waters unless no other alternatives are reasonably available.</li><li>4. Locate waste containers on areas that do not receive substantial amounts of runoff</li></ul>	<ul><li>and state solid waste regulations and at an approved facility.</li><li>3. Manage washout from mortar mixers in accordance with the above item and in</li></ul>
re 10' or less in length and are er than 2:1, 14 days are	<ul><li>from upland areas and does not drain directly to a storm drain, stream or wetland.</li><li>5. Cover waste containers at the end of each workday and before storm events or</li></ul>	addition place the mixer and associated materials on impervious barrier and with lot perimeter silt fence.
r slopes greater than 50' in I with slopes steeper than 4:1	<ul><li>provide secondary containment. Repair or replace damaged waste containers.</li><li>6. Anchor all lightweight items in waste containers during times of high winds.</li><li>7. Empty waste containers as needed to prevent overflow. Clean up immediately if</li></ul>	<ol> <li>Install temporary concrete washouts per local requirements, where applicable. If 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 tw</li> </ol>
r perimeter dikes, swales, erimeter slopes and HQW	<ul> <li>containers overflow.</li> <li>8. Dispose waste off-site at an approved disposal facility.</li> <li>9. On business days, clean up and dispose of waste in designated waste containers.</li> </ul>	<ul><li>types of temporary concrete washouts provided on this detail.</li><li>5. Do not use concrete washouts for dewatering or storing defective curb or sidewa sections. Stormwater accumulated within the washout may not be pumped into</li></ul>
or Falls Lake Watershed		discharged to the storm drain system or receiving surface waters. Liquid waste m
perimeter dikes, swales, rimeter slopes and HQW Zones or Falls Lake Watershed unless	<ol> <li>PAINT AND OTHER LIQUID WASTE</li> <li>Do not dump paint and other liquid waste into storm drains, streams or wetlands.</li> <li>Locate paint washouts at least 50 feet away from storm drain inlets and surface</li> </ol>	<ul> <li>be pumped out and removed from project.</li> <li>6. Locate washouts at least 50 feet from storm drain inlets and surface waters unles 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 receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which could receiment of the storm drain inlet(s) closest to the washout which</li></ul>
ro slope ies, any areas with temporary	<ul><li>waters unless no other alternatives are reasonably available.</li><li>Contain liquid wastes in a controlled area.</li></ul>	<ul><li>spills or overflow.</li><li>7. Locate washouts in an easily accessible area, on level ground and install a stone</li></ul>
nd stabilization as soon as r the last land disturbing d in a manner to render the	<ol> <li>Containment must be labeled, sized and placed appropriately for the needs of site.</li> <li>Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.</li> </ol>	<ul><li>entrance pad in front of the washout. Additional controls may be required by the approving authority.</li><li>8. Install at least one sign directing concrete trucks to the washout within the projection.</li></ul>
ground stabilization is achieved. The the soil. Use one of the trmanent Stabilization ass seed covered with straw or s and tackifiers	<ol> <li>PORTABLE TOILETS         <ol> <li>Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.</li> </ol> </li> <li>Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.</li> </ol>	<ul> <li>limits. Post signage on the washout itself to identify this location.</li> <li>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.</li> <li>10. At the completion of the concrete work, remove remaining leavings and dispose in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.</li> </ul>
rics such as permanent soil matting	<ol> <li>Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.</li> </ol>	
er permanent plantings covered evenly distributed ground cover estrain erosion thods such as concrete, asphalt or s n control products with grass seed	EARTHEN STOCKPILE MANAGEMENT         1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.	<ol> <li>HERBICIDES, PESTICIDES AND RODENTICIDES         <ol> <li>Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.</li> <li>Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.</li> </ol> </li> </ol>
eing exposed during	<ol> <li>Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.</li> <li>Provide stable stone access point when feasible.</li> </ol>	<ol> <li>Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground wa or surface water. If a spill occurs, clean area immediately.</li> <li>Do not stockpile these materials onsite.</li> </ol>
oved PAMS/Flocculants. d Sediment Control Measures. e NC DWR List of Approved	4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated	HAZARDOUS AND TOXIC WASTE
cturer's instructions. mwater before discharging	erosion on disturbed soils for temporary or permanent control needs.	<ol> <li>Create designated hazardous waste collection areas on-site.</li> <li>Place hazardous waste containers under cover or in secondary containment.</li> </ol>
ot under storm-resistant cover	NORTH CAROLINA Environmental Quality	3. Do not store hazardous chemicals, drums or bagged materials directly on the grou
1 CDOUND S'	TABILIZATION AND MATERIALS HA	ANDLING EFFECTIVE: 04/01

ours in accordance with the table

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 unattended 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 4. Indication of whether the measures were operating . Description of maintenance needs for the measure, Description, evidence, and date of corrective actions taken. 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration 6. Description, evidence, and date of corrective actions taken. If visible sedimentation is found outside site limits, then a record 1. Actions taken to clean up or stabilize the sediment that has left 3. An explanation as to the actions taken to control future stream has visible increased turbidity from the construction 1. Description, evidence and date of corrective actions taken, and

. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit 1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent . Documentation that the required ground stabilization

measures have been provided within the required timeframe or an assurance that they will be provided as

Documentation Requirements (a) Each E&SC Measure has been installed Initial and date each E&SC Measure on a copy and does not significantly deviate from the of the approved E&SC Plan or complete, date locations, dimensions and relative elevations and sign an inspection report that lists each shown on the approved E&SC Plan. E&SC Measure shown on the approved E&SC Plan. This documentation is required upon the initial installation of the E&SC Measures or if the E&SC Measures are modified after initial installation. (b) A phase of grading has been completed. Initial and date a copy of the approved E&SC

PART III

SELF-INSPECTION, RECORDKEEPING AND REPORTING

The approved E&SC plan as well as any approved deviation shall be kept on the site. The

approved E&SC plan must be kept up-to-date throughout the coverage under this permit.

The following items pertaining to the E&SC plan shall be documented in the manner

SECTION B: RECORDKEEPING

. E&SC Plan Documentatio

Item to Document

(c) Ground cover is located and installed

in accordance with the approved E&SC

(d) The maintenance and repair

have been performed.

to E&SC Measures.

requirements for all E&SC Measures

(e) Corrective actions have been taken

described:

Plan or complete, date and sign an inspection report to indicate completion of the construction phase. Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection

report to indicate compliance with approved ground cover specifications. Complete, date and sign an inspection report.

Initial and date a copy of the approved E&SC Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

. Additional Documentation In addition to the E&SC Plan documents above, the following items shall be kept on the and available for agency 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 30 days. 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.

c) All data used to complete the Notice of Intent and older inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

#### (a) 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. (b) Anticipated bypasses and unanticipated bypasses. (c) 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 Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300. **Reporting Timeframes (After Discovery) and Other Requirements** Occurrence (a) Visible sediment • Within 24 hours, an oral or electronic notification. deposition in a • Within 7 calendar days, a report that contains a description of the stream or wetland 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 <u>NC 303(d) list</u> as impaired for sedimentrelated 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 Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and release of hazardous location of the spill or release. substances per Item 1(b)-(c) above A report at least ten days before the date of the bypass, if possible. (c) Anticipated bypasses [40 CFR The report shall include an evaluation of the anticipated quality and 122.41(m)(3)] effect of the bypass. (d) Unanticipated Within 24 hours, an oral or electronic notification bypasses [40 CFR • Within 7 calendar days, a report that includes an evaluation of the 122.41(m)(3)] quality and effect of the bypass. (e) Noncompliance Within 24 hours, an oral or electronic notification with the conditions Within 7 calendar days, a report that contains a description of the of this permit that noncompliance, and its causes; the period of noncompliance, may endanger including exact dates and times, and if the noncompliance has not health or the been corrected, the anticipated time noncompliance is expected to environment[40 continue; and steps taken or planned to reduce, eliminate, and CFR 122.41(I)(7)] prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6). • Division staff may waive the requirement for a written report on a case-by-case basis.

PART III

SELF-INSPECTION, RECORDKEEPING AND REPORTING

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).

SECTION C: REPORTING

(b) Oil spills if:

1. Occurrences that must be reported

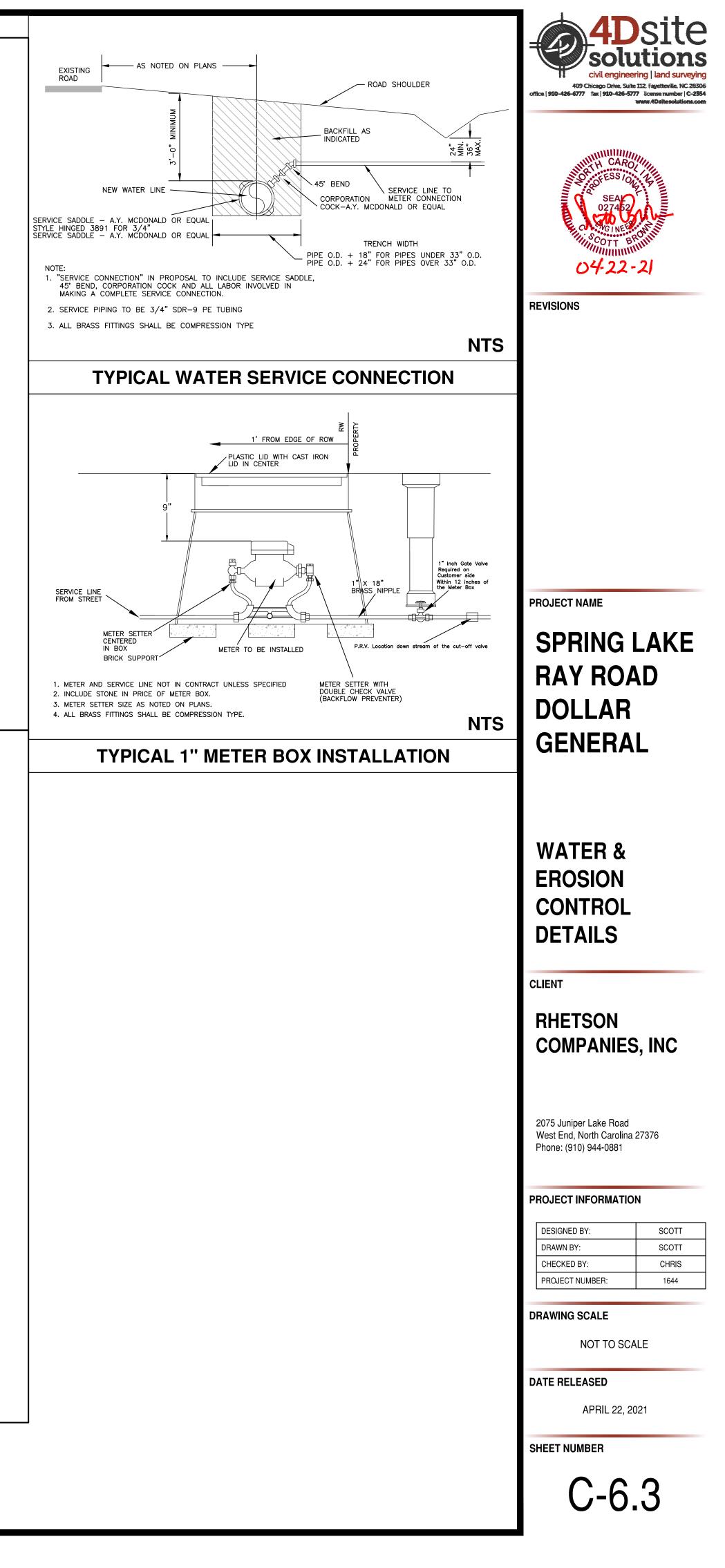
They are 25 gallons or more,

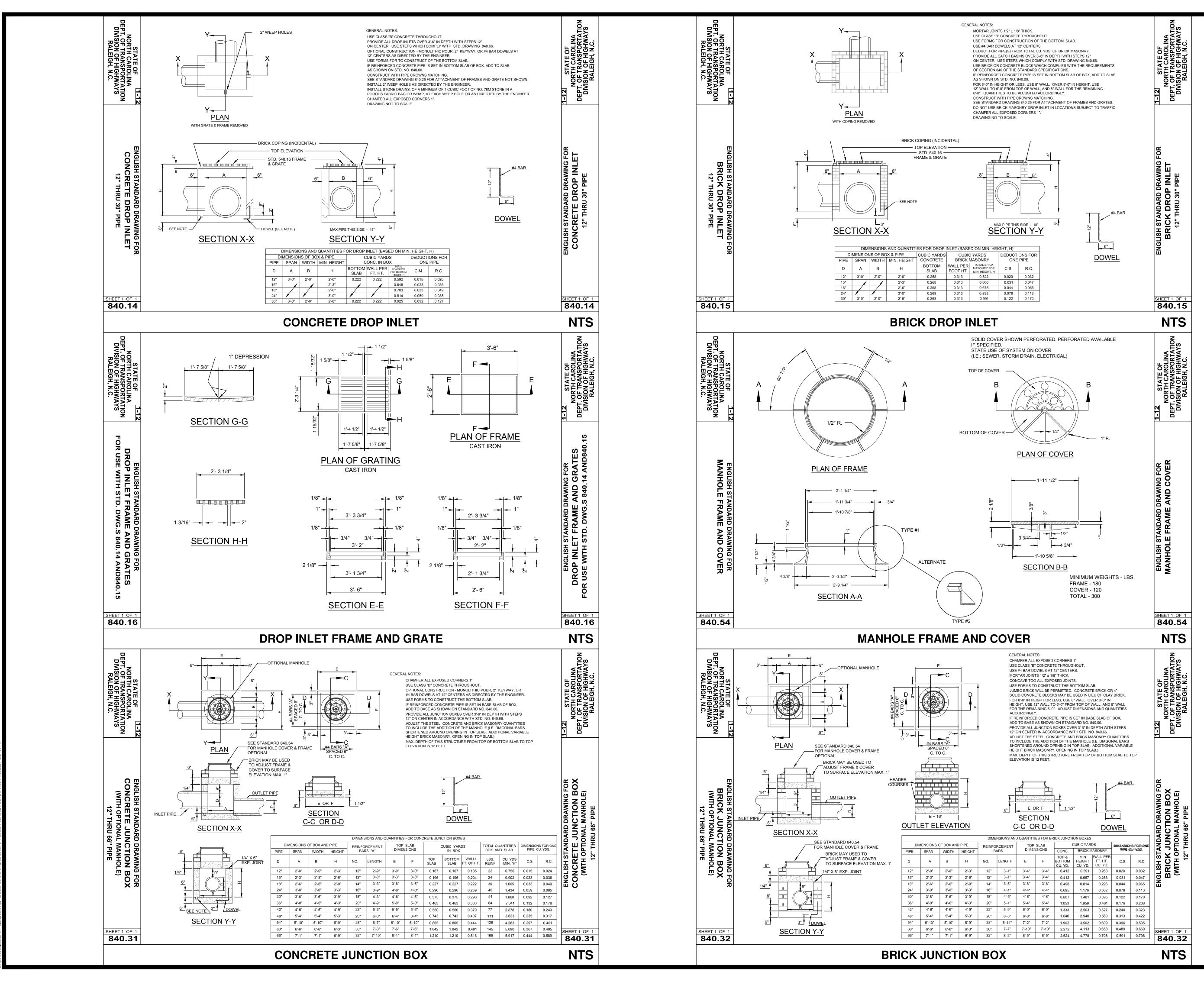
Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.

#### NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

EFFECTIVE: 04/01/19





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REVISIONS

PROJECT NAME

### SPRING LAKE RAY ROAD DOLLAR GENERAL

### **STORM DETAILS**

CLIENT

RHETSON COMPANIES, INC

2075 Juniper Lake Road West End, North Carolina 27376 Phone: (910) 944-0881

PROJECT INFORMATION

DESIGNED BY:	SCOTT
DRAWN BY:	SCOTT
CHECKED BY:	CHRIS
PROJECT NUMBER:	1644

DRAWING SCALE

NOT TO SCALE

DATE RELEASED

APRIL 22, 2021

SHEET NUMBER

C-6.4