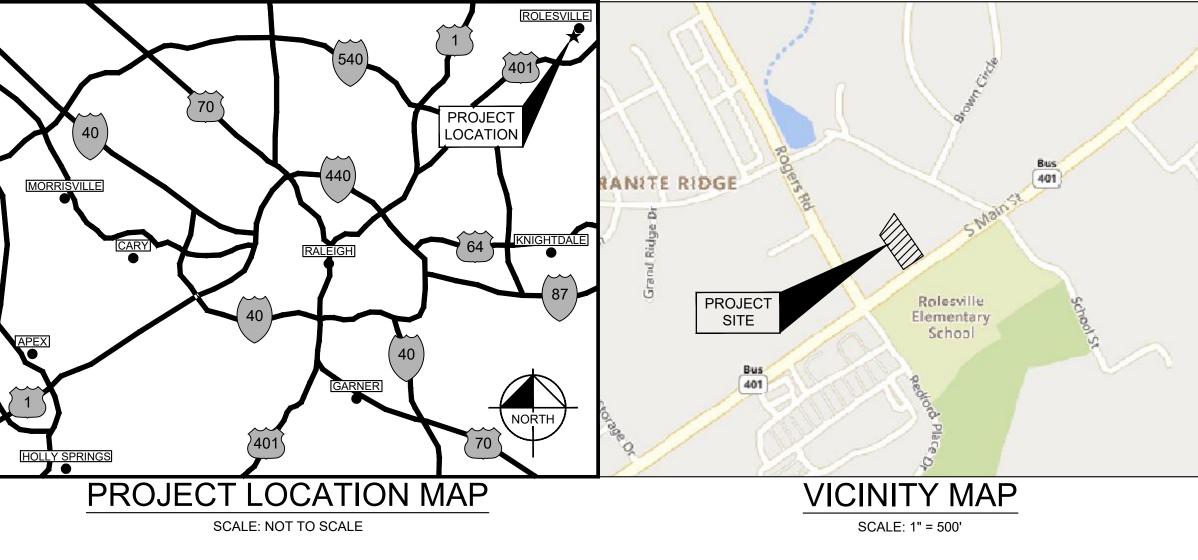
V2 - SDP-23-09

SITE	DATA TABLE
PIN:	1759806076
TOTAL SITE AREA:	0.70 AC
EXISTING ZONING:	GENERAL COMMERCIAL (GC)
BUFFERS:	10' LANDSCAPE
PROPERTY SETBACKS:	FRONT: 20'
	SIDE: 15'
	REAR: 35'
WATERSHED:	SANFORD CREEK
RIVER BASIN:	NEUSE
CURRENT USE:	VACANT
PROPOSED USE:	COMMERCIAL
CURRENT IMPERVIOUS:	143 SF
PROPOSED IMPERVIOUS:	18,525 SF
PARKING:	MIN. REQUIRED: $(2.5 \text{ SPACES}/1,000 \text{ SF})$ = 2 SPACES
	MAX. ALLOWED:(10 SPACES/1,000 SF) <u>X 700 SF</u> = 7 SPACES
	PROVIDED: 8 SPACES
ACCESSIBLE PARKING:	REQUIRED: 1 SPACE PROVIDED: 1 SPACE
LOADING SPACES:	REQUIRED: 1 SPACE PROVIDED: 1 SPACE
BICYCLE PARKING:	MIN. REQUIRED: (1 SPACE/5,000 SF) $\frac{X 700 \text{ SF}}{= 1 \text{ SPACES}}$
	PROVIDED: 2 SPACES
OPEN SPACE:	MIN. REQUIRED: $(0.77 \text{ AC } \times 5\%)$ = 0.039 AC
	ACTIVE OPEN SPACE PROVIDED: = 0.030 AC
	PASSIVE OPEN SPACE PROVIDED: = 0.032 AC
TREE COVERAGE DATA:	SEE SHEET L1.0
BUILDING HEIGHT:	19'

SCOOTER'S ROLESVILLE

306 SOUTH MAIN STREET ROLESVILLE, NC 27571 A DEVELOPMENT BY: S&S JAVA ENTERPRISES

PROJECT NO.: SDP-23-07



PROJECT OWNERS & CONSULTANTS

OWNER ROLESVILLE, LLC

11016 RUSHMORE DRIVE, SUITE 160 CHARLOTTE, NORTH CAROLINA 28277 CONTACT: MARLANE KLINTWORTH PHONE: (919) 868-4472 EMAIL: mvkcommercial@gmail.com

DEVELOPER S&S JAVA ENTERPRISES - ROLESVILLE, LLC 13 LAFOY DRIVE CLAYTON, NORTH CAROLINA 27527 CONTACT: ROBERT SOUTHERLAND PHONE: (919) 426-7670 EMAIL: b2driver@earthlink.net

CIVIL ENGINEER KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE ST., SUITE 600 RALEIGH, NORTH CAROLINA 27601 CONTACT: CHRIS BOSTIC, P.E. PHONE: (919) 653-2927 EMAIL: chris.bostic@kimley-horn.com

LANDSCAPE ARCHITECT

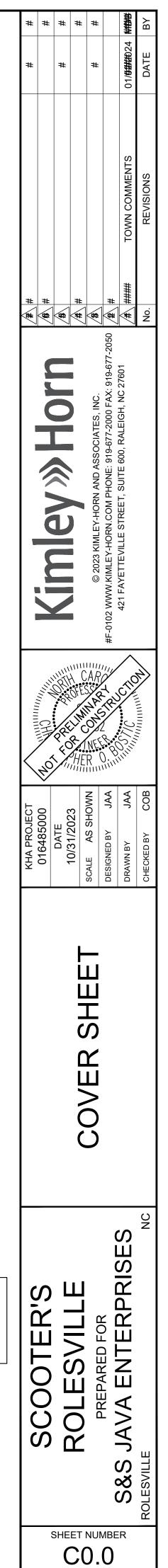
421 FAYETTEVILLE ST., SUITE 600 RALEIGH, NORTH CAROLINA 27601 CONTACT: ADAM FULLERTON, MLA, ASLA PHONE: (919) 653-2937

EMAIL: adam.fullerton@kimley-horn.com

SURVEYOR CMP PROFESSIONAL LAND SURVEYORS, PC

333 S. WHITE ST WAKE FOREST, NORTH CAROLINA 27587 CONTACT: MICHAEL A. MOSS, PLS PHONE: (919) 556-3148 EMAIL: mike@cmppls.com

	Sheet List Table
Sheet Number	Sheet Title
C0.0	COVER SHEET
C0.1	GENERAL NOTES
C1.0	EXISTING CONDITIONS & DEMOLITION PLAN
C2.0	SITE PLAN
C3.0	GRADING AND DRAINAGE PLAN
C4.0	UTILITY PLAN
C4.1	MECHANICAL PLAN
C4.2	SEPTIC TANK DETAILS
C5.0	EROSION CONTROL PLAN - PHASE 1
C5.1	EROSION CONTROL PLAN - PHASE 2
C5.2	EROSION CONTROL DETAILS
C5.3	EROSION CONTROL DETAILS
C8.0	SITE DETAILS
C8.1	SITE DETAILS
C9.0	STORM DETAILS
C9.1	STORM DETAILS
C10.0	SANITARY SEWER DETAILS
C11.0	WATER DETAILS
C11.1	WATER DETAILS
L1.0	LANDSCAPE PLAN
L2.0	LANDSCAPE DETAILS
L2.1	LANDSCAPE NOTES
E3.1	EXTERIOR SITE PHOTOMETRIC PLAN
A1.5	TRASH ENCLOSURE PLAN
A2.0	EXTERIOR COLOR ELEVATIONS
A2.1	EXTERIOR ELEVATIONS
A2.2	EXTERIOR ELEVATIONS



Know what's below. Call before you dig. SURVEY NOTE: EXISTING TOPOGRAPHICAL INFORMATION IS BASED ON A TOPOGRAPHIC SURVEY OBTAINED ON 02/23/2023 BY CMP PROFESSIONAL LAND SURVEYORS, 333 S. WHITE STREET, WAKE

FOREST, NC, 27588, PHONE: (919) 556-3148. CONTRACTOR SHALL BE

RESPONSIBLE FOR VERIFYING ALL EXISTING INFORMATION, DEPICTED OR NOT, PRIOR TO CONSTRUCTION AND REPORT

POTENTIAL CONFLICTS TO OWNER AND ENGINEER.

GENERAL NOTES:

- WORK IN THIS PROJECT SHALL CONFORM TO THESE PLANS, THE LATEST EDITIONS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) ROAD AND BRIDGE SPECIFICATIONS. THE NCDOT ROAD AND BRIDGE STANDARDS, THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL HANDBOOK, THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL REGULATIONS, THE ROLESVILLE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS. THE FINAL GEOTECHNICAL REPORT. AND GENERAL DESIGN STANDARDS. IN THE EVENT OF CONFLICT BETWEEN ANY OF THESE STANDARDS, SPECIFICATIONS, OR PLANS, THE MOST STRINGENT SHALL GOVERN. ALL UTILITIES TO BE DEDICATED TO THE CITY OF RALEIGH MUNICIPAL WATER AND/OR SANITARY SEWER SYSTEM SHALL BE CONSTRUCTED AND TESTED TO CONFORM TO STATE OF NORTH CAROLINA/STATE BOARD OF HEALTH WATERWORKS AND/OR SEWAGE REGULATIONS AND THE CITY OF RALEIGH DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS
- 2. THE TERM "CONTRACTOR" AS REFERENCED HERE-IN SHALL ALSO INCLUDE THE SUBCONTRACTOR OR PRINCIPAL TRADE CONTRACTOR, UNDER CONTRACT TO THE GENERAL CONTRACTOR TO PROVIDE LABOR, MATERIALS, AND/OR SERVICES TO THE PROJECT.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL JOBSITE SAFETY. INCLUDING BUT NOT LIMITED TO TRENCH SAFETY, DURING ALL PHASES OF CONSTRUCTION.
- 4. THE LOCATION AND SIZE OF EXISTING UTILITIES AS SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING AND PROTECTING ALL PUBLIC OR PRIVATE UTILITIES (SHOWN OR NOT SHOWN) WHICH LIE IN OR ADJACENT TO THE CONSTRUCTION SITE. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE NORTH CAROLINA 811 UTILITIES LOCATION SERVICE (NC811) AT 1-800-632-4949 FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE SITE.
- THE CONTRACTOR SHALL SALVAGE AND PROTECT ALL EXISTING POWER POLES, SIGNS, MANHOLES, TELEPHONE RISERS, WATER VALVES, ETC. DURING ALL CONSTRUCTION PHASES. THE CONTRACTOR SHALL REPAIR, AT HIS OWN EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
- 6. TRAFFIC CONTROL WITHIN ALL VEHICULAR AREAS IS THE RESPONSIBILITY OF THE CONTRACTOR, SHALL BE IN CONFORMANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES," AND AS FURTHER DIRECTED BY CITY AND STATE INSPECTORS.
- ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS, SPECIFICATIONS, AND SITE CONDITIONS OR ANY INCONSISTENCIES OR AMBIGUITIES IN DRAWINGS OR SPECIFICATIONS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER, IN WRITING, WHO SHALL PROMPTLY ADDRESS SUCH INCONSISTENCIES OR AMBIGUITIES. WORK DONE BY THE CONTRACTOR AFTER HIS DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES, OR AMBIGUITIES SHALL BE DONE AT THE CONTRACTOR'S RISK.
- CONSTRUCTION STAKEOUT FOR THIS PROJECT SHALL BE PER A DIGITAL (CAD) FILE PROVIDED BY THE ENGINEER THE CONTRACTOR SHALL NOTIFY THE LEAD ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND BETWEEN THE DIGITAL FILE AND THE CRITICAL STAKING DIMENSIONS SHOWN ON THIS PLAN. ANY MODIFICATIONS MADE BY OTHERS TO THE DIGITAL FILE PROVIDED BY THE ENGINEER SHALL RENDER IT VOID.
- 9. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ARRANGE THE MEETING WITH THE ROLESVILLE ENGINEERING DIVISION AND THE OWNER.
- 10. CONTRACTOR IS RESPONSIBLE FOR VERIFYING OR OBTAINING ALL REQUIRED PERMITS AND APPROVALS PRIOR TO COMMENCING CONSTRUCTION.
- 11. THE FRAMES AND COVERS OF ALL EXISTING AND PROPOSED DRAINAGE, SANITARY SEWER, WATER MAIN, GAS, AND WIRE UTILITY STRUCTURES SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED ELEVATIONS AND SLOPES. 12. ROADWAYS AND BUILDINGS MUST BE CAPABLE OF SUPPORTING FIRE APPARATUS DURING CONSTRUCTION.
- 13. EXISTING INFORMATION SHOWN TAKEN FROM A TOPOGRAPHIC SURVEY DATED FEBRUARY 23, 2023 AND PROVIDED BY CMP PROFESSIONAL LAND SURVEYORS C-1525, 333 S. WHITE STREET, P.O. BOX 1253, WAKE FOREST, N.C. 27588, PHONE: (919) 556-3148.
- 14. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NC DOT AND ROLESVILLE STANDARDS, SPECIFICATIONS, & DETAILS IF APPLICABLE.

GRADING

- 1. OBTAIN AND POST THE WAKE COUNTY LAND DISTURBANCE PERMIT ONSITE PRIOR TO COMMENCING WORK ON SITE. 2. REFER TO FINAL CONSTRUCTION PLANS FOR CLEARING LIMITS AND TEMPORARY EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
- 3. CONTRACTOR SHALL ADHERE TO THE LIMITS OF TREE PROTECTION FENCE.
- 4. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY, RELOCATED WHEN AND AS NECESSARY, AND SHALL BE CHECKED AFTER EVERY RAINFALL. SEEDED AREAS SHALL BE CHECKED REGULARLY AND SHALL BE WATERED, FERTILIZED, RESEEDED, AND MULCHED AS NECESSARY TO OBTAIN A DENSE STAND OF GRASS
- 5. ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE, AND AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE SILT FENCES (OR OTHER METHODS APPROVED BY THE ENGINEER, WAKE COUNTY, AND NCDENR). AS REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL EROSION, CONSERVATION, AND SILTATION ORDINANCES. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A STAND OF GRASS OR OTHER GROWTH TO PREVENT EROSION.
- 6. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS AND REPORT. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE CERTIFIED MATERIAL TESTING AGENCY PRIOR TO PLACEMENT.
- GRADING CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS.
- ALL MATERIALS USED FOR BACKFILL SHALL BE FREE OF WOOD, ROOTS, ROCKS, BOULDERS, OR ANY OTHER NON-COMPATIBLE SOIL TYPE MATERIAL. UNSATISFACTORY MATERIALS ALSO INCLUDE MAN-MADE FILLS AND REFUSE DEBRIS DERIVED FROM ANY SOURCE.
- . MATERIALS USED TO CONSTRUCT EMBANKMENTS FOR ANY PURPOSE, BACKFILL AROUND DRAINAGE STRUCTURES, OR IN UTILITY TRENCHES FOR ANY OTHER DEPRESSION REQUIRING FILL OR BACKFILL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AS SET OUT IN ASTM STANDARD D-698. THE CONTRACTOR SHALL, PRIOR TO ANY OPERATIONS INVOLVING FILLING OR BACKFILLING, SUBMIT THE RESULTS OF THE PROCTOR TEST TOGETHER WITH A CERTIFICATION THAT THE SOIL TESTED IS REPRESENTATIVE OF THE MATERIALS TO BE USED ON THE PROJECT. TESTS SHALL BE CONDUCTED BY A CERTIFIED MATERIALS TESTING LABORATORY AND THE CERTIFICATIONS MADE BY A LICENSED PROFESSIONAL ENGINEER REPRESENTING THE LABORATORY
- 10. ALL DEMOLITION, DEBRIS, AND OTHER EXCESS MATERIAL SHALL BE HAULED OFF-SITE AND LEGALLY DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
- 11. NO TREE WITHIN THE TREE PROTECTION AREA SHALL BE REMOVED OR DAMAGED.
- 12. THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION PRIOR TO THE PROJECT ACCEPTANCE IS SCHEDULED. FENCING SHALL BE REMOVED PRIOR TO FINAL SITE INSPECTION FOR THE CO.
- 13. REFERENCE GEOTECHNICAL REPORT FOR PAVING SUB GRADE INFORMATION.
- 14. ALL SPOT GRADE ELEVATIONS IN CURB AND GUTTER REPRESENT GUTTER FLOWLINE ELEVATION AT FACE OF CURB UNLESS OTHERWISE NOTED (ADD 6" FOR TOP OF CURB). 15. PROPOSED CONTOURS AND GUTTER GRADIENTS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND ROADWAY
- PROFILES/SUPERELEVATIONS ARE TO BE USED IN CASE OF DISCREPANCY. 16. REFER TO SITE PLAN AND FINAL PLAT FOR HORIZONTAL DIMENSIONS.
- 17. WHERE FILL IS TO BE PLACED ON EXISTING SLOPES STEEPER THAN 4:1, CONTRACTOR SHALL EXCAVATE BENCHES WITH A MAXIMUM DEPTH OF 3'.
- 18. THE CONTRACTOR SHALL COORDINATE WITH THE GEOTECHNICAL ENGINEER FOR APPROPRIATE SLOPE STABILIZATION ON ALL SLOPES STEEPER THAN 3:1.
- 19. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR BLASTING ROCK IF BLAST ROCK IS ENCOUNTERED. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL BLASTING AND SAFETY REQUIREMENTS.
- 20. SILT FENCE SHALL BE PLACED AROUND ALL TEMPORARY SOIL STOCKPILES A MINIMUM OF 3' FROM TOE OF SLOPE. 21. VERTICAL DATUM IS BASED ON NAVD 88.

sanitary sewer

- 1. SANITARY SEWER SERVICES SHALL BE SCHEDULE 40 PVC.
- 2. CLEANOUT SYMBOLS SHOWN ON THESE PLANS REPRESENT LOCATION OF SURFACE ACCESS POINT. CONTRACTOR SHALL LOCATE WYE APPROPRIATELY BASED ON PIPE DEPTH.
- 3. SANITARY SEWER CLEAN-OUTS LOCATED IN PAVEMENT AREAS SHALL BE HEAVY-DUTY TRAFFIC BEARING CASTINGS.

WATER

- 2. ALL UNDERGROUND UTILITIES AND FIRE HYDRANTS MUST BE FUNCTIONALLY APPROVED PRIOR TO STRUCTURAL CONSTRUCTION.
 - 3. NATIONAL STANDARD THREADS SHALL BE INSTALLED ON FIRE HYDRANTS.
 - DEPARTMENT STANDARDS.

BACKFLOW PREVENTION:

- WATER METER AND ITS REQUIRED BACKFLOW PREVENTER.
- THE CITY OF RALEIGH ENGINEERING DEPARTMENT.

CONSTRUCTION NOTES

- INCONVENIENCE TO TRAFFIC.
- THE MUTCD (MOST CURRENT EDITION).
- EASEMENTS ON THE JOB SITE AT ALL TIMES.
- TO EXISTING CONDITION OR BETTER.

PAVING/CURBING

- BE MADE TO CONFORM TO THE EXISTING HEIGHTS AND SHAPES.

- APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
- 1.5 FEET. ALL JOINTS SHALL BE SEALED WITH JOINT SEALANT.
- STRINGENT.
- MUTCD, NCDOT, AND ROLESVILLE STANDARDS.
- STORM DRAINAGE
- 2. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE
- INSTALLATION OF THE STORM SEWER.
- INCLUDE ALL INSPECTION FEES.

- SEWERS TO MATCH THE LOCATIONS OF THESE EXISTING FEATURES.

1. WATERLINES, LARGER THAN 2" SHALL BE DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF ANSI-AWWA C151 PRESSURE CLASS 350. WATERLINES 3/4" TO 2" SHALL BE TYPE "K" SOFT COPPER.

4. ALL FIRE HYDRANTS AND FDC CONNECTIONS TO HAVE STORZ TYPE CONNECTION PER CITY OF RALEIGH FIRE

THERE SHALL BE NO TAPS, PIPING BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPARTMENT CONNECTION POINTS OR OTHER WATER-USING APPURTENANCES CONNECTED TO THE SUPPLY LINE BETWEEN ANY

2. EACH BACKFLOW PREVENTER ASSEMBLY IS REQUIRED TO BE TESTED BY AN APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM INTO SERVICE. CONTRACTOR SHALL PERFORM TESTING IN ACCORDANCE WITH

1. THE CONTRACTOR SHALL CONDUCT THE WORK IN A SAFE MANNER AND WITH A MINIMUM AMOUNT OF

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SHALL ADHERE TO THE PROVISIONS OF

3. PRIOR TO CONSTRUCTION BEGINNING, ALL SIGNAGE AND TRAFFIC CONTROL SHALL BE IN PLACE. 4. THE CONTRACTOR SHALL HAVE A COMPLETE SET OF CONTRACT DOCUMENTS AS WELL AS ALL APPROVALS AND

5. THE CONTRACTOR SHALL REPAIR ALL DRIVEWAYS, DRIVEWAY PIPES, CURB AND GUTTER, SIDEWALKS AND STREET

WHERE PROPOSED CURB AND GUTTER TIES TO EXISTING CURB OR CURB AND GUTTER, A TRANSITION OF 10' SHALL

2. BEFORE ANY EARTHWORK IS DONE. THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF PAVEMENT AND OTHER ITEMS ESTABLISHED IN THE PLANS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.

3. ALL PAVEMENT SUB GRADES (EVEN WHEN ROCK IS ENCOUNTERED) SHALL BE SCARIFIED TO A DEPTH OF 8 INCHES AND COMPACTED TO A MINIMUM DENSITY OF 98 PERCENT OF ASTM D-698 DENSITY AT OPTIMUM MOISTURE CONTENT UNLESS OTHERWISE SHOWN IN THE CONSTRUCTION DOCUMENTS OR AS DIRECTED BY THE CERTIFIED MATERIALS TESTING AGENT. FILL SHALL BE PLACED AND COMPACTED IN MAXIMUM 8" LIFTS.

4. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS AND MISCELLANEOUS STRIPING AS SHOWN ON THE PLANS. ALL ROADWAY PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND ADHERE TO NCDOT STANDARDS. 5. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE

6. ALL CURB JOINTS SHALL EXTEND THROUGH THE CURB. MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS IS

TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN APPROVED AGENCY FOR TESTING MATERIALS. THE TESTING LABORATORY AND THE PAYMENT OF SUCH TESTING SERVICES SHALL BE MADE BY THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY THAT THE CERTIFIED MATERIAL TESTING AGENT HAS PERFORMED THE WORK AND THAT THE WORK CONSTRUCTED DOES MEET THE REQUIREMENTS OF THE CITY'S SPECIFICATIONS AND/OR THE PROJECT SPECIFICATIONS, WHICHEVER IS MORE

8. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES ON PUBLIC STREETS SHALL CONFORM TO

1. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER.

THE ROLESVILLE INSPECTOR SHALL INSPECT ALL "PUBLIC" CONSTRUCTION. THE CONTRACTOR'S PRICE SHALL

4. ALL RCP STORM SEWER MAINS AND LATERALS SHALL BE MINIMUM CLASS III REINFORCED CONCRETE PIPE.

5. ALL PVC PIPE USED IN DRAINAGE SYSTEM SHALL BE MINIMUM SDR-35 OR APPROVED EQUAL.

6. ALL PVC TO RCP CONNECTIONS SHALL BE CONSTRUCTED WITH CONCRETE COLLARS.

7. THE LOCATIONS OF STORM SEWER STRUCTURES SHOWN ON THESE PLANS (AND PROVIDED IN ASSOCIATED CAD FILES) ARE APPROXIMATE. THE CONTRACTOR SHALL STAKE ALL CURB INLET STRUCTURES SUCH THAT INLET TOPS ALIGN HORIZONTALLY WITH PROPOSED CURB LOCATIONS (PER DETAIL, IF PROVIDED). WHERE PROPOSED STORM SEWERS TIE TO EXISTING STRUCTURES, PIPES, ETC., THE CONTRACTOR SHALL FIELD ADJUST PROPOSED STORM

8. RIM ELEVATIONS FOR STORM CATCH BASINS ARE MEASURED TO THE GUTTER FLOW LINE.

TRAFFIC CONTROL NOTES

- 1. WITHIN THE SIGHT TRIANGLES AND SIGHT EASEMENTS SHOWN ON THESE PLANS, NO OBSTRUCTION SHALL BE LOCATED IN WHOLE OR PART BETWEEN (2) FEET AND (8) FEET IN HEIGHT ABOVE THE CURB LINE ELEVATION OR THE NEAREST TRAVELED WAY, IF NO CURBING EXISTS. OBSTRUCTIONS INCLUDE, BUT ARE NOT LIMITED TO, ANY BERM, FOLIAGE, FENCE, WALL, SIGN, PARKED VEHICLE OR OTHER OBJECT.
- 2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL ROLESVILLE AND/OR N.C.D.O.T. STANDARDS AND SPECIFICATIONS.
- REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) FOR DETAILS OF STANDARD TRAFFIC CONTROL SIGNS AND STANDARDS.

SEEDBED PREPARATION

- 1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL THREE INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE 2. RIP THE ENTIRE AREA TO SIX INCHES DEEP.
- 3. REMOVE ALL LOOSE ROCK, ROOTS AND OTHER OBSTRUCTIONS, LEAVING SURFACE REASONABLY SMOOTH AND
- UNIFORM 4. APPLY AGRICULTURAL LIME, FERTILIZER AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE MIXTURE
- BELOW).* 5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED FOUR TO SIX
- INCHES DEEP. 6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK
- AFTER SEEDING. 7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
- 8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE MORE THAN 60% DAMAGED, RE-ESTABLISH FOLLOWING THE ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
- 9. CONSULT S&EC ENVIRONMENTAL ENGINEERS ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.
- 10. *AGRICULTURAL LIMESTONE 2 TONS/ ACRES (3 TONS/ACRE IN CLAY SOILS) FERTILIZER 1,000 LBS. / ACRE -10-10-10 SUPERPHOSPHATE- 500 LBS> / ACRE -20% ANALYSIS MULCH -2 TONS / ACRE - SMALL GRAIN STRAW ANOTHER - ASPHALT EMULSION @ 300 GALS. / ACRE

SEEDING SCHEDULE

DATE		
DATE	TYPE	PLANTING RATE
-	SHOULDERS, SIDE DITCHES, SLOPES (MAX 3	<u>3: 1)</u>
AUG 15 - NOV 1 NOV 1 - MAR 1 MAR 1 - APR 15 APR 15 - JUN 30	TALL FESCUE TALL FESCUE & ABRUZZI RYE TALL FESCUE HULLED COMMON BERMUDAGRASS	300 LBS/ACRE 300 LBS/ACRE 25 LBS/ACRE 300 LBS/ACRE 25 LBS/ACRE
JUL 1 - AUG 15	TALL FESCUE AND ***BROWNTOP MILLET ***OR SORGHUM-SUDAN HYBRIDS	120 LBS/ACRE 35 LBS/ACRE 30 LBS/ACRE
SLOPES (<u>3:1 TO 2:1)</u>	
MAR 1 - JUN 1 (MAR 1 - APR 15)	SERICEA LESPEDEZA (SCARIFIED) AND ADD TALL FESCUE	50 LBS/ACRE 120 LBS/ACRE
(MAR 1 - JUN 30) (MAR 1 - JUN 30)	OR ADD WEEPING LOVEGRASS OR ADD HULLED COMMON BERMUDAGRASS	10 LBS/ACRE 25 LBS/ACRE
JUN 1 - SEP 1	***TALL FESCUE AND ***BROWNTOP MILLET ***OR SORGHUM-SUDAN HYBRIDS	120 LBS/ACRE 35 LBS/ACRE 30 LBS/ACRE
SEP 1 - MAR 1	SERICEA LESPEDEZA (UNHULLED- UNSCARIFED) AND TALL FESCUE	70 LBS/ACRE
(NOV 1 - MAR 1)	ADD ABRUZZI RYE	25 LBS/ACRE

CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE

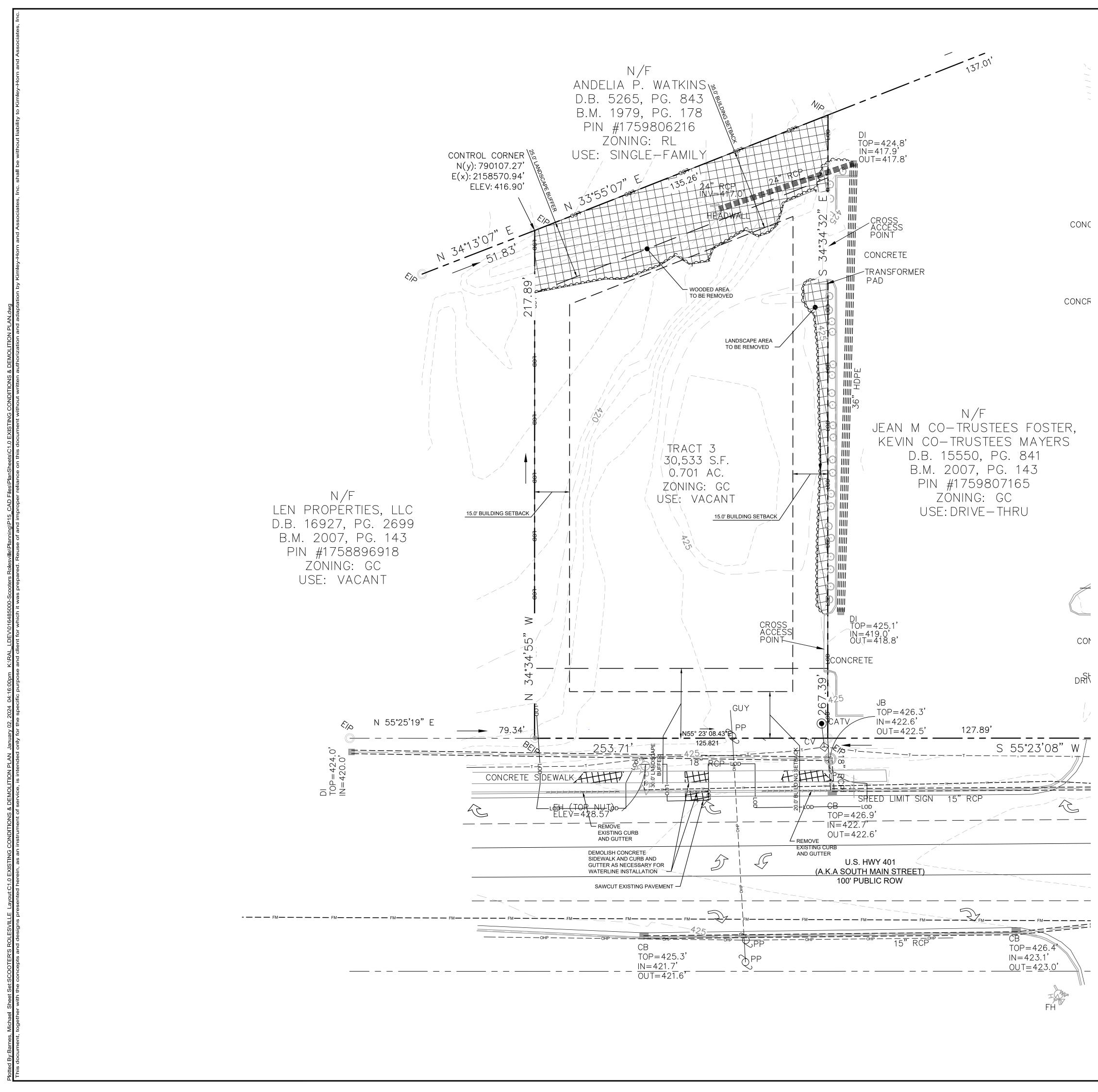
***TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT) grow over 12" in height before MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

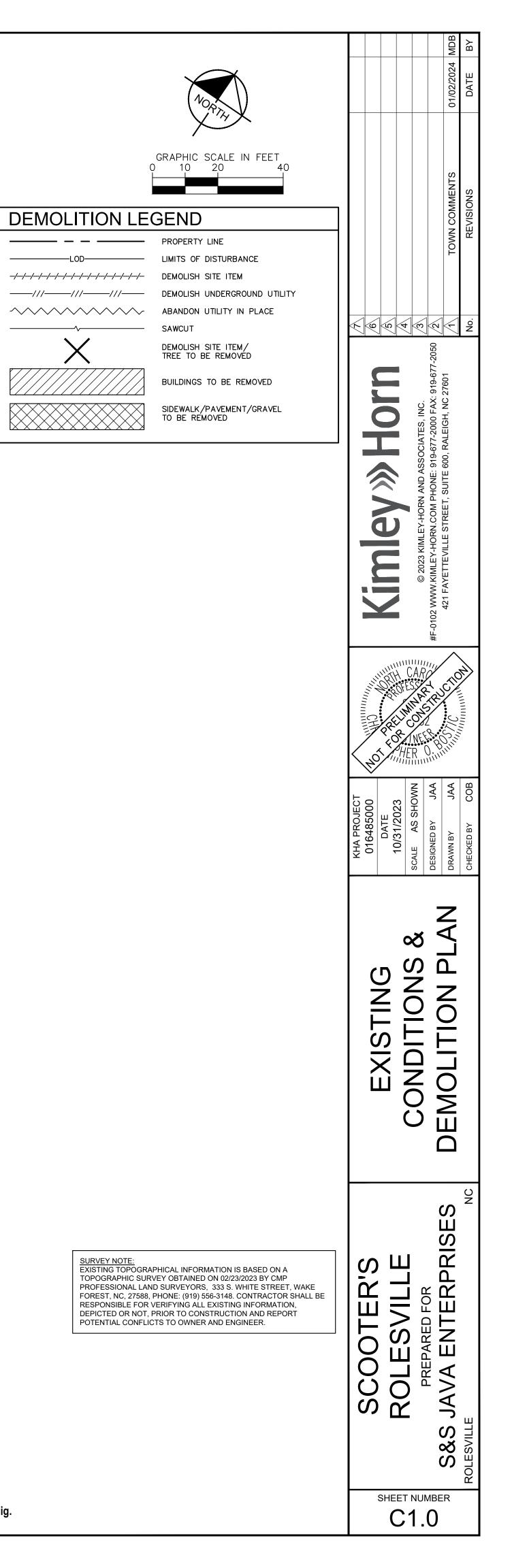
*NOTE: THIS SEEDING SCHEDULE IS FOR EROSION AND SEDIMENT CONTROL ONLY. SEE LANDSCAPE PLAN FOR FINAL SEEDING.

THE CONTRACTOR SHALL PROVIDE GROUND COVER ON DESIGNATED AREAS AND SLOPES GREATER THAN 3:1 WITHIN 7 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. CONTRACTOR SHALL PROVIDE GROUND COVER IN 14 DAYS ON ALL OTHER AREAS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. PERMANENT GROUND COVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION.

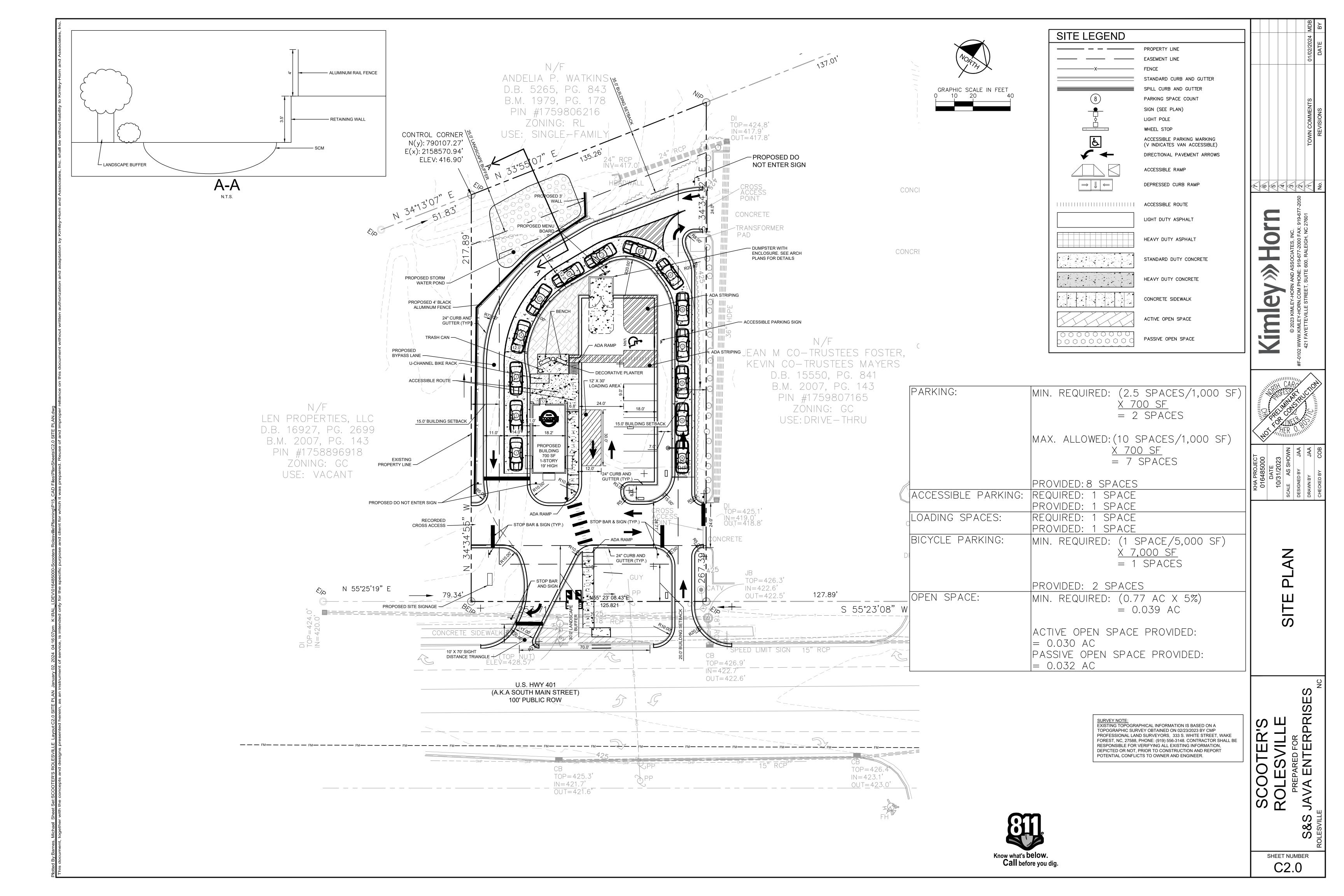
NURSE CROP: WHEN SEEDING BERMUDA GRASS SEED CONTRACTOR SHALL ADD 25 LB/AC OF ANNUAL RYE GRASS AS NURSE CROP UNTIL PERMANENT ESTABLISHMENT OF BERMUDA GRASS

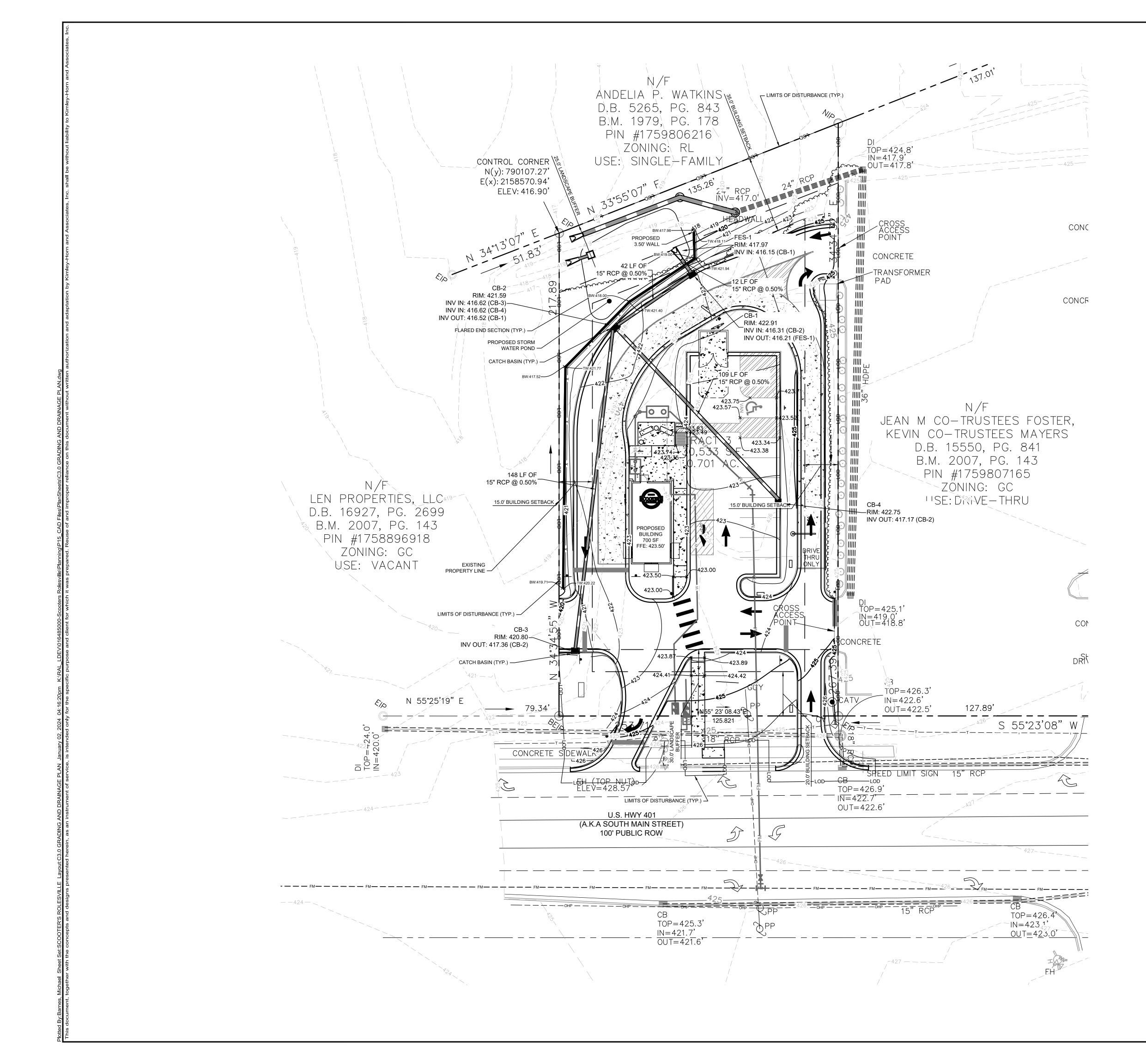


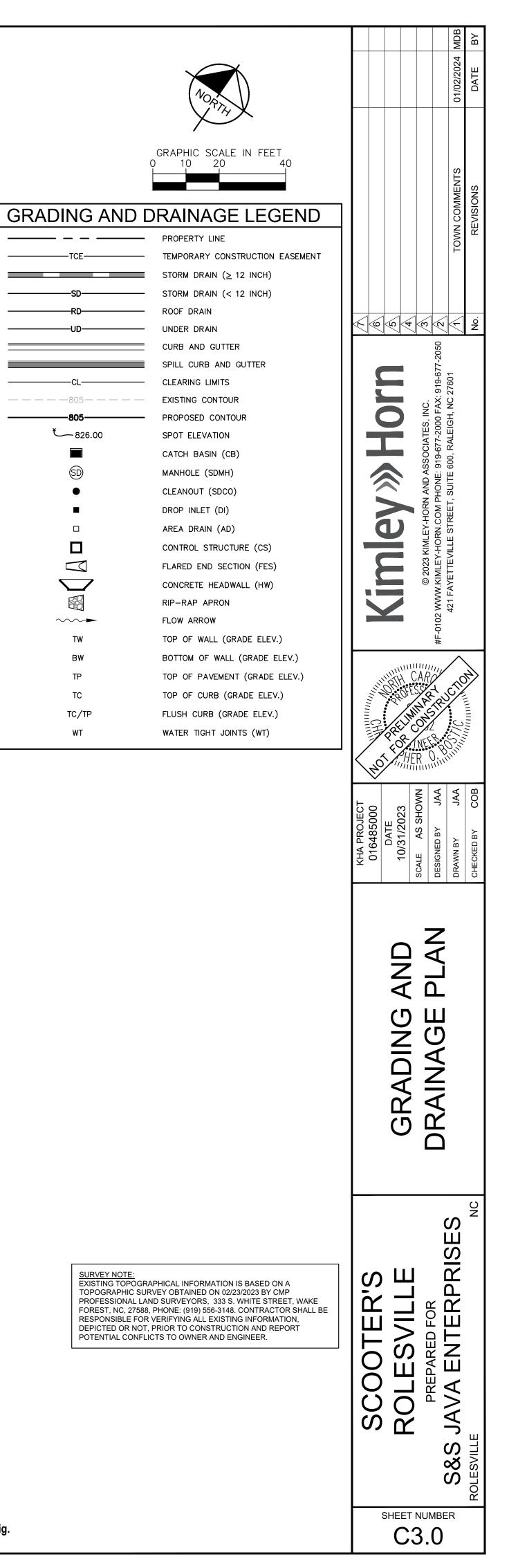






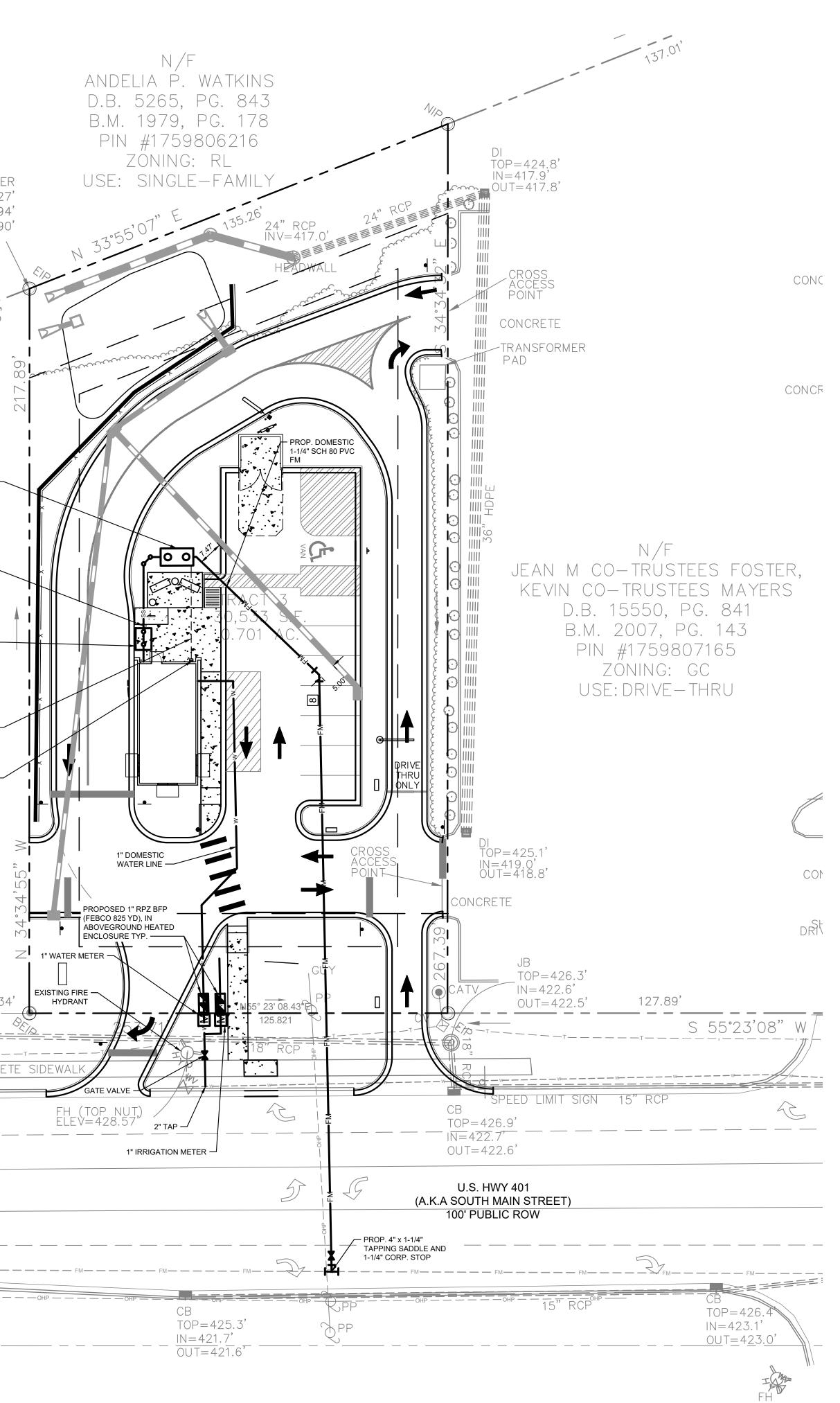


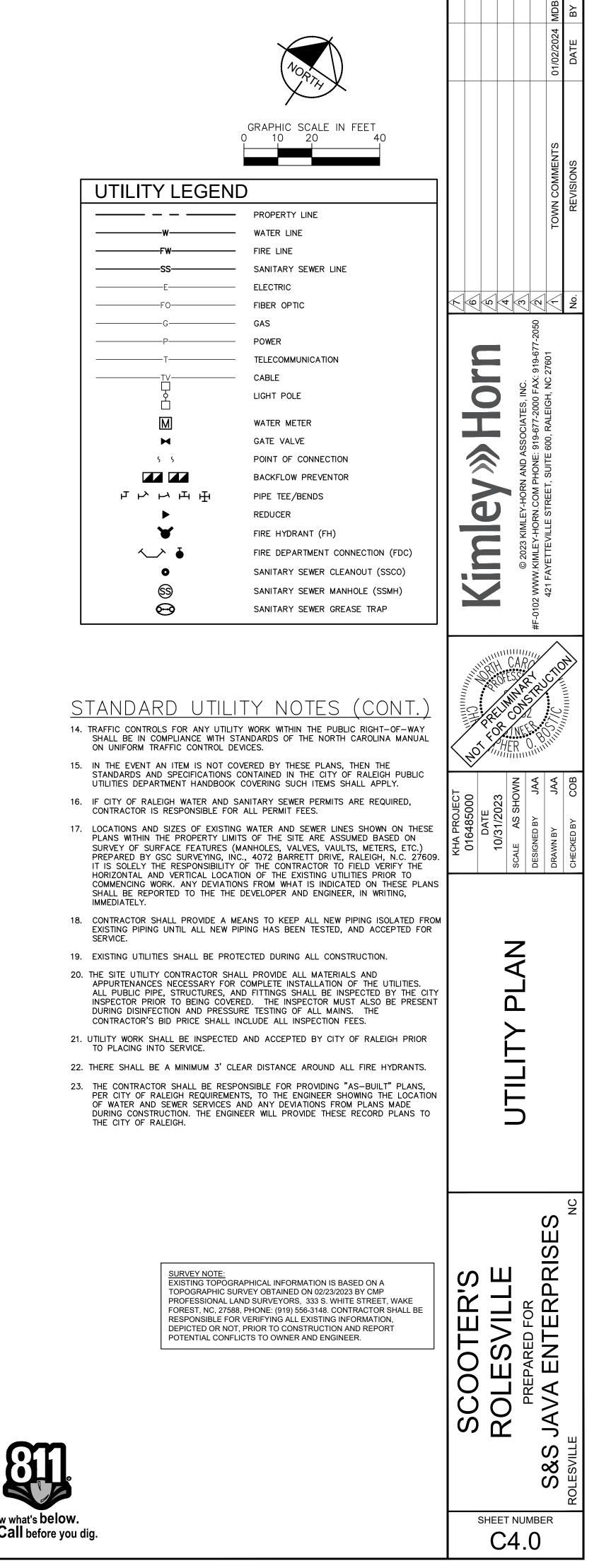




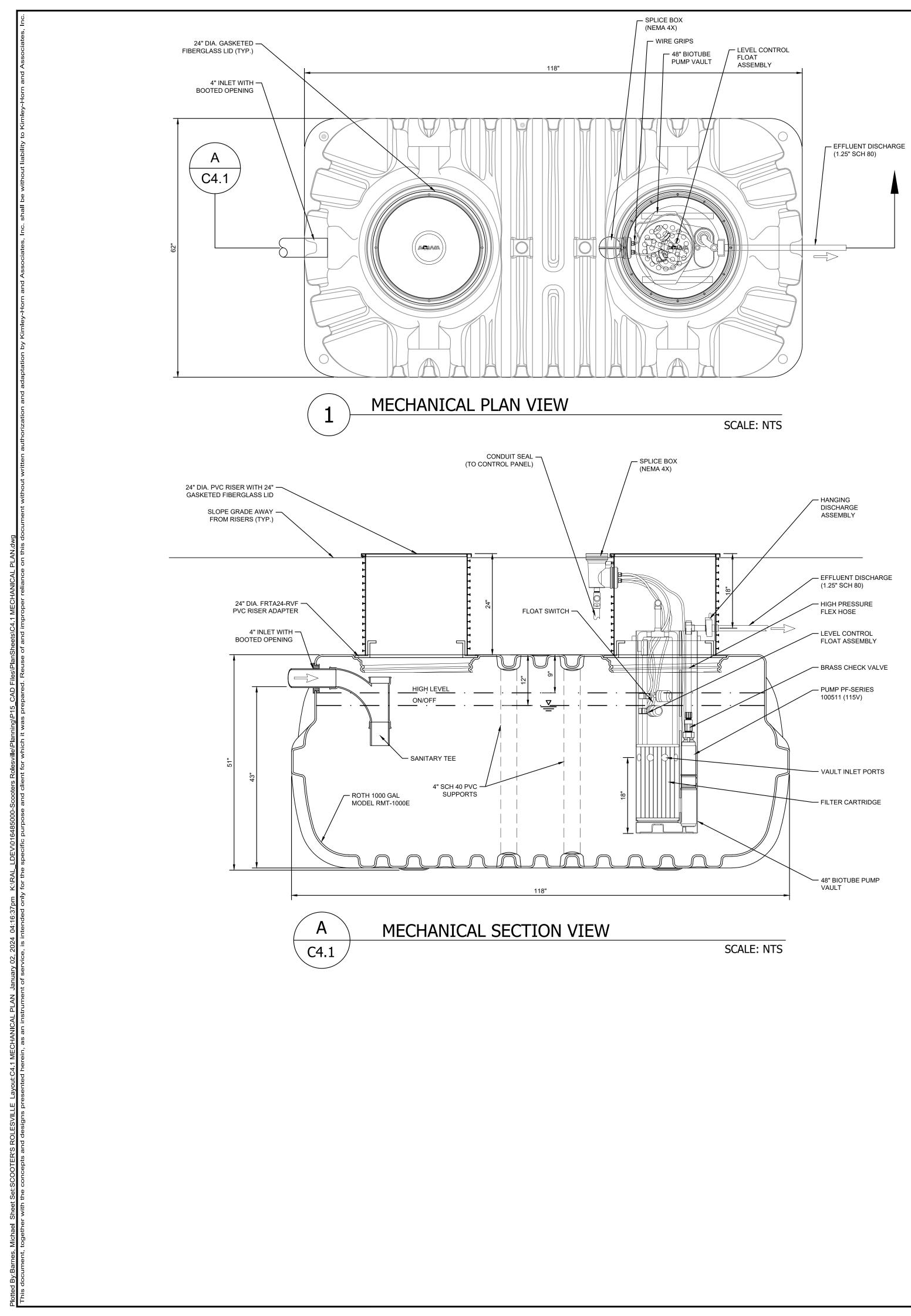


 ²⁴ MN. VERTICAL SEPARATION AT ALL SANTARY SEVER & ROP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATION AT ALL SANTARY SEVER & ROP STORM DRAIN CROSSINGS. WHERE ADDITUS SANTARY EXAMINES CANONE DE ADDITUS SHALL GROSS WATER & SEVER FACILITES WITH 16 'MIN. VERTICAL SEPARATION REGUMED. ANY NECESSARY FELD REVISION ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN 4/OR PROFILE BY THE CITY OF RALEGN PUBLIC VILITIES DEPARTMENT PROFIT O CONSTRUCTION. CONTRACTOR SHALL MAIL MADE TO THE CITY OF RALEGN PUBLIC VILITIES DEPARTMENT PROFIT O CONSTRUCTION. CONTRACTOR SHALL MAIL ADDITION OF MATER & SEVER SERVICE TO EXISTING RESIDENTS & BUSINESSES THROUGHOUT CONSTRUCTION OF PROLECT ANY NECESSARY SERVICE INTERDEPARTMENT. JO' INNIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEVER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REQUER MAINS. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEVERE SERVICES NOT BEING USED IN REDEVICIDENT OF A SILE PUBLIC VILITIES DEPARTMENT. JO' INNIMUM COVER IS RECOVERS WITH MAINS & SEVER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL EXERCISE WATER ADVICATION OF REMOVE EXISTING WATER & SEVENE SERVICES NOT BEING USED IN REDEVICIDATION OF READER THAN & RELINCESS OFFENDED THE CITY OF REALESS ANTER VALVES ARE RECOVER VILITIES UNLESS ARTRENS DESISTING TO PROPERLY 32L THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE ROW OR REASENERT UNE & SPACED EVERY 75 UNRAR FEET MAXIMUM. WATER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXTLY POSTEMENT MAINAND & ANTARY SEVER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXTLY POSTEMENT MAINAND & ANTARY SEVER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXTLY POSTEMENT ANAL MATER SERVICES HAVING BUILDING DRAINS ADVICE A/OR FEMALEY TO PROVE ADDITION AD FOR SCHEDULAR COM ARE SERVICES AND NO SCHE CACHINE THAN 1.0' ABOVE THE NEXTLY POSTEMENT APREMICES ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EX			JIGN	NCE WITH CITY OF RALEIGH D	ALL MATERIALS AND CONSTRUCTION METHODS SHAL STANDARDS & SPECIFICATIONS
 T. S. DE SEARATING COMPLE ME AND THE PROVIDE USE TO EXTING THE AND THE ADDRESS. MARTING AND THE ADDRESS AND THE PROVIDE TO THE HIGH HIGH THE SECTION. MARTING AND THE ADDRESS AND THE DEVELOPMENT TO THE ADDRESS OF AD			IF BE ALL NOT	SOURCE OF DRINKING WATEF SANITARY SEWER PIPE SHAL THE MINIMUM SEPARATION S C WELL.	A) A DISTANCE OF 100' SHALL BE MAINTAINED BE SUPPLY SOURCE SUCH AS AN IMPOUNDED RESE ADEQUATE LATERAL SEPARATION CANNOT BE A SPECIFIED & INSTALLED TO WATERLINE SPECIFIC BE LESS THAN 25' FROM A PRIVATE WELL OR S
 B) CALLED ALL DURING AND ALL DURING BELOWER BELOWER DESIDER ALL SAVERY & STORM STRAM C) MARTINE MAY NETCH SERVATION AT ALL SAVERY EVEN BY ALL DURING PARAMETERS AS CONSERVED CARDEN AND AT ALL SAVERY EVEN BY ALL DURING PARAMETERS (MARE MARE AS CONSERVED CARDENAND). C) MARTINE AND ALL CONSTANT ALL CONSTANT AND ALL CONSTANT AN			ALLOWED ST 18" SES OVER	IG CONDITIONS, THE VARIATION N OF THE WATER MAIN AT LE PUBLIC UTILITIES DIRECTOR. AN DIAMETER. YTIME A SANITARY SEWER PA	 10'. IF THIS SEPARATION CANNOT BE MAINTAINE IS THE WATER MAIN IN A SEPARATE TRENCH WI ABOVE THE TOP OF THE SEWER & MUST BE AF DISTANCES ARE MEASURED FROM OUTSIDE DIAM C) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SE A WATER MAIN, DIP MATERIALS OR STEEL ENCA
SOMATON RECURED. LEL SOMATON RECURED. SOMATON RECORD.	790107 158570	E(x): 21	MAINTAIN E HAVING	WER. RCP STORM DRAIN CROSSINGS STORM DRAIN CROSSINGS. WH ERIALS & A CONCRETE CRAD	 D) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQU FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED E) MAINTAIN 18"MIN. VERTICAL SEPARATION AT ALL 24"MIN. VERTICAL SEPARATION AT ALL SANITAR ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, 6"MIN. CLEARANCE.
 STALLTO SHALL MATANIC CONTINUES WITT A STREP ERVET TO SERTING PROJECTICE & NUMBERSED MARKED CONTINUES OF PROJECT AN VICENTISMY SERVICE INTERUITION SERVICE AND A STATEMENT. SO' MINAN CORE IS RECIDENCE IN A LEAVIER WARE & SEVER FORCE MARS A S' MINANIX COVER IS RECIRED ON ALL RULES BANKS. IT IS THE CHEMPERTISMENT TO ARABODI OF RELOVE EXSING WATER ASTERN SERVICES NO BING USED IN REDUCTS WITH UTTO A ADDODI OF RELOVE EXSING WATER ASTERN SERVICES NO BING USED IN REDUCTS WITH UTTO A ADDODI OF RELOVE EXSING WATER ASTERN SERVICES NO BING USED IN REDUCTS WITH UTTO A ADDODI OF RELOVE EXSING WATER ASTERN SERVICES NO BING USED IN REDUCTS WITH UTTO A ADDODI OF RELOVE EXSING WATER ASTERN SERVICES THE WATER SERVICE TO A CALL OULSE SERVICIONE WATER ASTERN SERVICES FANAL WALCHTARY WATER SERVICES WITH UTTO A ADDODI OF RELOVE EXSING WATER ASTERN SERVICES FANAL WALCHTARY WATER SERVICES WATER ASTERN SERVICES FANAL PROVIDE TO SERVICE TO A CALL WATER SERVICES IN ALL WATER SERVICES FANAL PROVIDE PROVIDE TO WALCHTARY WATER SERVICES WATER ASTERN SERVICES FANAL PROVIDE TO WALCHTARY WAS AND ADDOTION WATER ASTERN SERVICES FANAL PROVIDE TO WALCHTARY WAS ADDOTION WALKS ARE REQUIRED ON ALL WATER SERVICES FANAL PROVIDE TO WALCHTARY WAS ADDOTION WALKS ARE REQUIRED ON ALL WATER SERVICES FANAL PROVIDE TO WALCHTARY WAS ADDOTION WATER SERVICES FANAL PROVIDE TO WALCHTAR AND ADDOTION WALKS ARE REQUIRED ON ALL WATER SERVICES FANAL PROVIDE TO WALCHTAR AND ADDOTION WALKS ARE REQUIRED ON ALL WATER SERVICES FANAL PROVIDE ANTER WALCHTARY AND ADDOTION WALKS AND RECOMPANY AND RELOVATION TO ANTER ANTERNOID WALCHTAR AND ADDOTION WARKS ARE REQUIRED ON ALL WATER SERVICES FANAL PROVIDER ANTERNOID WALCHTAR AND RECOMPANY AND RECOMPANY AND RELOVATION ON THE LUCKL CROSS-CONNECTION CONTRIL WALCHTARY AND ADDOTION AND REPORT TO CONTRICUTION ON THE MALK AND RECOMPANY AND REPORT TO WALCHTARY AND ADDOTION AND REPORT TO CONTRIBUTION. AND REPORT TO WALCHTAR AND ADDOTION AND REPORT TO CONTRIBUTION. IN REDUCTION ADDOTION AND REPORT TO CONTR	EV: 416	ELE		VAL OF AN AMENDED PLAN 8	SEPARATION REQUIRED.
7. INSTALL 2" WATER SERVICES WITH WETERS LOCATED AT ROW OR WITHIN A 242" WATER LINE CASEMENT MEMORY A GAURANT SERVICE AND TA CONNECTION TO PROVIDE ADDICATION AT ROW OR EASEMENT LINE & SPACED EXEMPT 75 UNEAR FEEL MAXIMUM. 9. PRESSUME TO STREAM MANDAGE 10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROLOCIT MUST BE OBTINED FROM NOUND, USACE #/OR PERMITTON NOT REPORTED TO PROVIDE TO CONSTRUCTION. 10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROLOCIT MUST BE OBTINED FROM NOUND, USACE #/OR PERMITTON NOT REPORTED TO PROVIDE TO PROVID	- 7" F		JSINESSES EDED BY	TO EXISTING RESIDENCES & INTERRUPTIONS SHALL BE PRI	CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER THROUGHOUT CONSTRUCTION OF PROJECT. ANY NEO
1. INSTAL 2" WATES SERVICES WITH WETERS LOCATED AT ROW OR WITH A 2X2" WATER USE EASUENT MANDER YAT ADARCH. DELT IT IS THE APPLICATION SERVICES AND RELEASUES. 1. INSTAL 4" VOID CARACITARY 55 UNEAR FEEL MANDAM. 2. INSTAL 4" VOID STAR 3" STAR FECURED OF ALL SAM TARKING SO CHE ASSEMBLY 10 PROPERTY SET THE WATER VALUES AFE RECOVERED ON ALL SAMITARY SERVER SERVICES HANNE BUILDING DEANIS LOCATED AT ROW OR EASUENT UNES AFE RECOVERED ON ALL SAMITARY SERVER SERVICES HANNE BUILDING DEANIS LOCATE TAN 1.0" ABOVE THE NET UNERTAM MANDAUE. 10. ALL ENVIRONMENTIAL PERUTS APPLICABLE TO THE PROJECT MUST BE OBTINED FROM ICDIVO, USACE #/OR FEAR FOR ARY IPARINA BUILES, WETLANG AND FOR FLOODEN. 11. NODE TOROSCHIPMET AGREEMENTS ARE REQUIRED FOR ANY UTUITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TARS) WITH MINITAL ROW PROTE TO CONSTRUCTION. 12. CROSS-CONSCIENCE THE PROTECTION DEVERSION ADVICE AS LISTED IN APPENDIX-B OF THE RULES GOVERNME FUNCTION. 13. NODE TOROSCHIPMET AGREEMENTS ARE REQUIRED FOR ANY UTUITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TARS) WITH MINITAL ROW PROTE TO CONSTRUCTION. 14. DECISION OF THE RULES GOVERNME ALINES SERVICES SALL BEET MARKON SOCET FOR SOLUTION. 15. BLOCKETON CONTRACT, THE OFFICIAL DEVERSION AND TO THE RULES GOVERNME ALING AND THE ARTICLES. 16. NOT CONSTRUCTION. 17. THE DEVICES MAIL BE INSTALLED AND TISTED (DOIN INTIAL AND PERSON DETSING THREATTER) IN ACCORDANCE WITH MINIMAL REQUIRES ARE TREATED. 17. THE DEVICES MINITAL MAND TREATED AND TISTED (DOIN INTIAL AND TOROSCHIPTICE). 18. M. 2007, P.C. 14.3 19. M. 17558896918 20. NING: GC 20. NING: GC 20. NING: GC 20. NING: GC 20. NING: SCEOPEDULING INSPECTIONS. 10. S5725 ¹ 9 [°] E	01	N 34°13'	.R IS	DRCE MAINS. 4.0' MINIMUM CO	
7. INSTAL 2" WATER SERVICES WITH WETERD LOCATED AT ROW OR WITHIN A 2X2" WATERLIVE EASUENT MINEGRATUR, VIGADERY, SERVICES WITH OLEANT'S ECONOMISUITY TO PROPERTY SECTIVE WATER SERVICE TO EACH CONNECTION TO PROVIDE AREGULART ELCON A DEVELOPMENT. UNE & STALOE EXERT TO UNLEAR FEEL MANNUM. 8. INSTALL 4" POP SEVER SERVICES 0.2.0.5.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	51.	60-1	IS NOT PUBLIC W OR	TED BY THE CITY OF RALEIGH	BEING USED IN REDEVELOPMENT OF A SITE UNLESS UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING
LIDE & SPACED EVERY 75 UNEAR FEET MAXIMUM. VALUES ARE RECOUNDED ON ALL SANTARY SEVER SERVICES EXCEEDING 80 PSI: BACKWATER VALUES ARE RECOUNDED ON ALL SANTARY SEVER SERVICES HAVING BUILDING GRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTEAM MANHALE I. ALL ENVRONMENTAL PERMITS APELLOALE TO THE PROLICY MUST BE OBTAINED FROM NOOMO, USACE &/OR FEAN FOR WERARAD BUFFER. WELLAND &/OR FLOODFLAIN MPACTS (RESPECTIVELY) PIROR TO I. NOOT ENGRACHMENT ARREVENTS ARE IRCUMED FOR ANY UTUTY WORK (NCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE ROW PROR TO CONSTRUCTION. I. ROOSS-CONNECTION DENTRO, PROTECTON DENTES ARE REQUERED PASED ON DEGREE OF HEALTH HAZARD INTERS EVENTS ASE INSTALLES AND COST THE UNIVERSITY OF SOUTHERN CALLFORM APPROVAL LIST THE DEVICES SHALL BEN'T NOTES TO GONSTRUCTION. I. DECORDANCE WITH HE MANUFACTURES RECOMMENTS. THE DEVICES SHALL MEET ANTERICON SOUTHERN ACCORDANCE WITH HE MANUFACTURES RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROSENT MICROSCI STAND UNDER STRUCE ON AND SO RE OF THE INVERSITY OF SOUTHERN CALLFORM APPROVAL LIST THE DEVICES SHALL BEN'T NOTES DECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROSENT ACCORDANCE WITH HE MANUFACTURES RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROSENT ACCORDANCE WITH ME MANUFACTURES SECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROSENT ACCORDANCE STRUCES TO A DEVICE STRUCE THERE AND THE DIAL MORTHON CONTROL N/F LEN PROPERTIES, LLC D.B. 16927, P.G. 26899 B.M. 2007, P.G. 143 PIN #1758896918 ZONING: GC USE: VACANT AND HIGH LE AND HIGH LE AND HIGH LE			NT R	Y TO PROPERLY SIZE THE WA SSURE.	IMMEDIATELY ADJACENT. <u>NOTE:</u> IT IS THE APPLICAN SERVICE FOR EACH CONNECTION TO PROVIDE ADEQU
10. ALL ENVRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCOWO, USACE 4/OR 118%22"SETURE SCIENCE AND RECOMPEDIATION OF THE PROJECT MUST BE OBTAINED FROM NCOWO, USACE 4/OR 118%22"SETURE SCIENCE SCIENCE AND RECOMPEDIATION OF THE PROJECT MUST BE REPORTED AND THE RECOMPEDIATION. 11. NOOT ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICET AND ROUSE MUST DE ANDRONG, USACE 4/OR 118%22"SETURE SCIENCE AND ROUSE TO CONSTRUCTION. 12. GROSS-CONNECTION. CONTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVE IS INVOLVED AND ROUSE STANDARD OR BELON THE RULES GOVERNICATION. PROVIDE CONSTRUCTION. 13. THE STATE OF NORTH CARDUMA AND C.O.R. PUBLIC WORKS DEPT. SHALL BE NOTIFED IN WRITING PRIOR TO UTILITY INSTALLATION AND FOR SCHEDULING INSPECTIONS. 1.000 GALL 13. THE STATE OF NORTH CARDUMA AND C.O.R. PUBLIC WORKS DEPT. SHALL BE NOTIFED IN WRITING PRIOR TO UTILITY INSTALLATION AND FOR SCHEDULING INSPECTIONS. 1.000 GALL INTER STATEME IN THE SET OF SCHEDULING PROGRAM AND COLE THE OF THE STATEME IN WORK CONTROL PROGRAM AND COLE THE OF THE ADDREEMENT SOLET OF THE STATEME IN WORK CONTROL PROGRAM AND COLE THE OF THE STATEME IN WRITING PRIOR TO UTILITY INSTALLATION AND FOR SCHEDULING INSPECTIONS. 1.000 GALL IT HE STATEME IN THE SET OF THE STATEME IN THE OWNER TO CONTROL PROGRAM AND COLE THE OWNER TO STATEME AND THE OWNER TO STATEMENT AND THE OWNER TO STATEMENT AND THE OWNER TO STATEME AND THE OWNER TO STATEME AND			ER	S EXCEEDING 80 PSI; BACKWA	LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM. PRESSURE REDUCING VALVES ARE REQUIRED ON AL VALVES ARE REQUIRED ON ALL SANITARY SEWER SI
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NVOLVED AS LISTED IN APPROVAL-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLMA. THESE GUIDENNES ARE THE NUMMER THE NORTHE DEVICES SHALL MEET AMERICAN SOCIETY OF SANTARY ENCONCENTION (ASSE) STANDARDS OR BE ON THE UNDERSTIT OF SOUTHERN CALIFORM APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (OTHERNATER) IN ARGORAM. WHOLEVER IS MORE STRINGENT. 1.000 GALL N/F LEN PROPERTIES, LLC D.B. 16927, PC. 26699 B.M. 2007, PC. 143 PION #1758896918 ZONING: GC PION #1758896918 ZONING: GC USE: VACANT AND HGH LEN NOT STALL BE NOTE: STALL BE NOTIFIED IN WRITING PROPERTIES NOT AND HGH LEN N/F LEN PROPERTIES, LLC D.B. 16927, PC. 2699 B.M. 2007, PC. 143 ELECTRICA PION #1758896918 ZONING: GC PROP.CONT USE: VACANT AND HGH LEN NOT STALL BE NOT STALL BE NOTIFIED IN WRITING PROPERTIES NOT AND HGH LEN NOT STALL AND NOT STANDARDS AND AND AND STANDARDS AND AND STANDARDS AND			SIONS &	WORK (INCLUDING MAIN EXTE	
13. THE STATE OF NORTH CAROLINA AND COR. PUBLIC WORKS DEPT. SHALL BE NOTIFIED IN WRITING PRIOR TO UTILITY INSTALLATION AND FOR SCHEDULING INSPECTIONS. N/F LEN PROPERTIES, LLC D.B. 16927, PG. 2699 B.M. 2007, PG. 143 PIN #1758896918 ZONING: GC USE: VACANT NOTIFIED N/F LEN PROPERTIES, LLC D.B. 16927, PG. 2699 B.M. 2007, PG. 143 PROP. CONT USE: VACANT NOTIFIED N/F LEN PROPERTIES, LLC D.B. 16927, PG. 2699 B.M. 2007, PG. 143 PROP. CONT USE: VACANT NOTIFIED N/F LEN PROPERTIES, LLC D.B. 16927, PG. 2699 B.M. 2007, PG. 143 PROP. CONT VISE: VACANT NOTIFIED N/F LEN PROPERTIES, LLC D.B. 16927, PG. 2699 B.M. 2007, PG. 143 PROP. CONT VISE: VACANT NOTIFIED N/F LEN PROPERTIES, LLC D.B. 16927, PG. 2699 B.M. 2007, PG. 143 PROP. CONT VISE: VACANT NOTIFIED N/F LEN PROPERTIES, LLC D.B. 16927, PG. 2699 B.M. 2007, PG. 143 PROP. CONT VISE: VACANT NOTIFIED N/F LEN PROPERTIES, LLC D.B. 16927, PG. 2699 B.M. 2007, PG. 143 PROP. CONT VISE: VACANT NOTIFIED N/F LEN PROPERTIES, LLC D.B. 16927, PG. 2699 B.M. 2007, PG. 143 PROP. CONT VISE: VACANT NOTIFIED N/F LEN PROPERTIES, LLC D.B. 16927, PG. 2699 B.M. 2007, PG. 143 PROP. CONT VISE: VACANT NOTIFIED N	MESTIC 4" — LATERAL @ 2% MIN	PVC SEWER	CAROLINA. DF PPROVAL TER) IN	IC WATER SYSTEMS IN NORTH HALL MEET AMERICAN SOCIETY Y OF SOUTHERN CALIFORNIA AND PERIODIC TESTING THERE/	INVOLVED AS LISTED IN APPENDIX-B OF THE RULES THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS SANITARY ENGINEERING (ASSE) STANDARDS OR BE LIST. THE DEVICES SHALL BE INSTALLED AND TESTE ACCORDANCE WITH THE MANUFACTURER'S RECOMME
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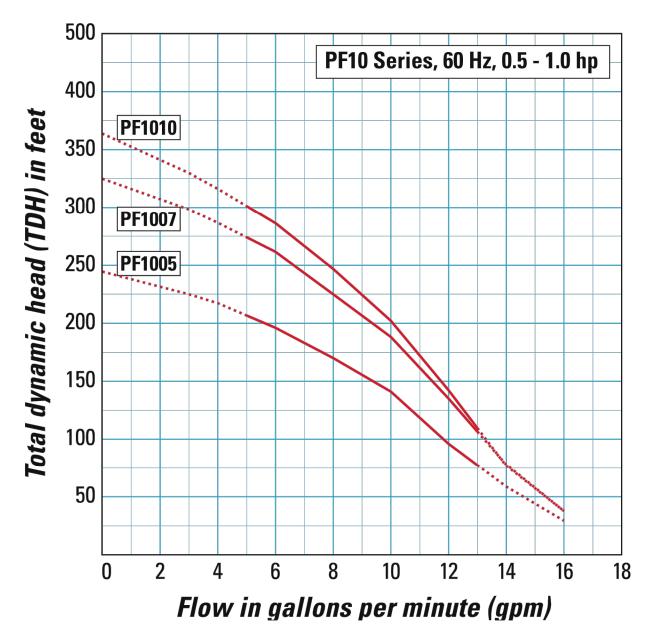




NOTES: PROPOSED STEP SYSTEM SHALL BE EQUIPPED WITH AN "ORENCO S1" CONTROL PANEL OR APPROVED EQUAL. CONTACT MICHAEL CLAYTON (MCLAYTON@AQWA.NET, 252-292-1667) FOR STEP SYSTEM SPECIFICATIONS.

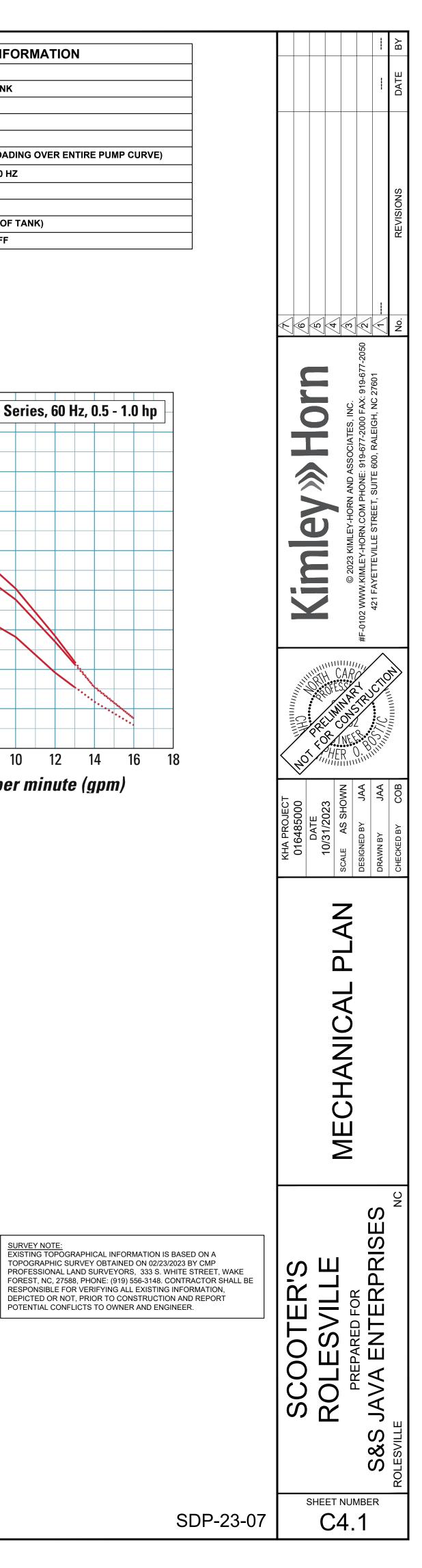
SEPTIC TANK GENERAL INFORMATION				
AVERAGE DAILY FLOW 306 GPD				
TANK	1000 GAL ROTH TANK			
TANK DIMENSIONS	118"x62"x52"			
DISCHARGE PIPING	1.25"Ø SCH 80 PVC			
CONTROL PANEL	ORENCO S1			
HORSEPOWER	1 HP (NON-OVERLOADING OVER ENTIRE PUMP CURVE)			
VOLTAGE/PHASE/CYCLES	240 V / 1 PHASE / 60 HZ			
PUMP	ORENCO PF100511			
PRIMARY LEVEL SENSING METHOD	FLOATS (3)			
FLOAT SETTINGS	9", 12" (FROM TOP OF TANK)			
FLOAT FUNCTIONS	HIGH LEVEL, ON/OFF			

Pump Curves

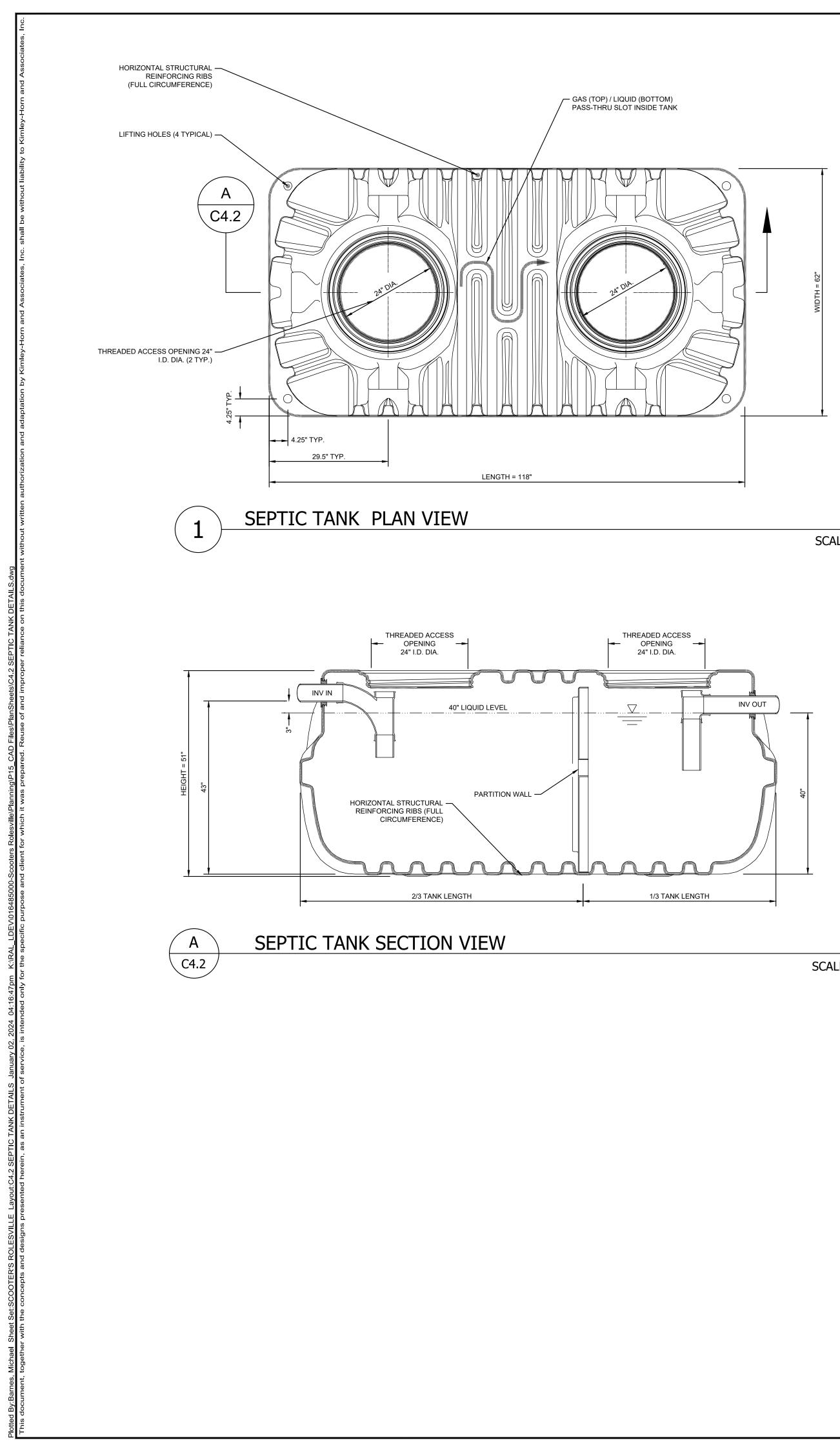


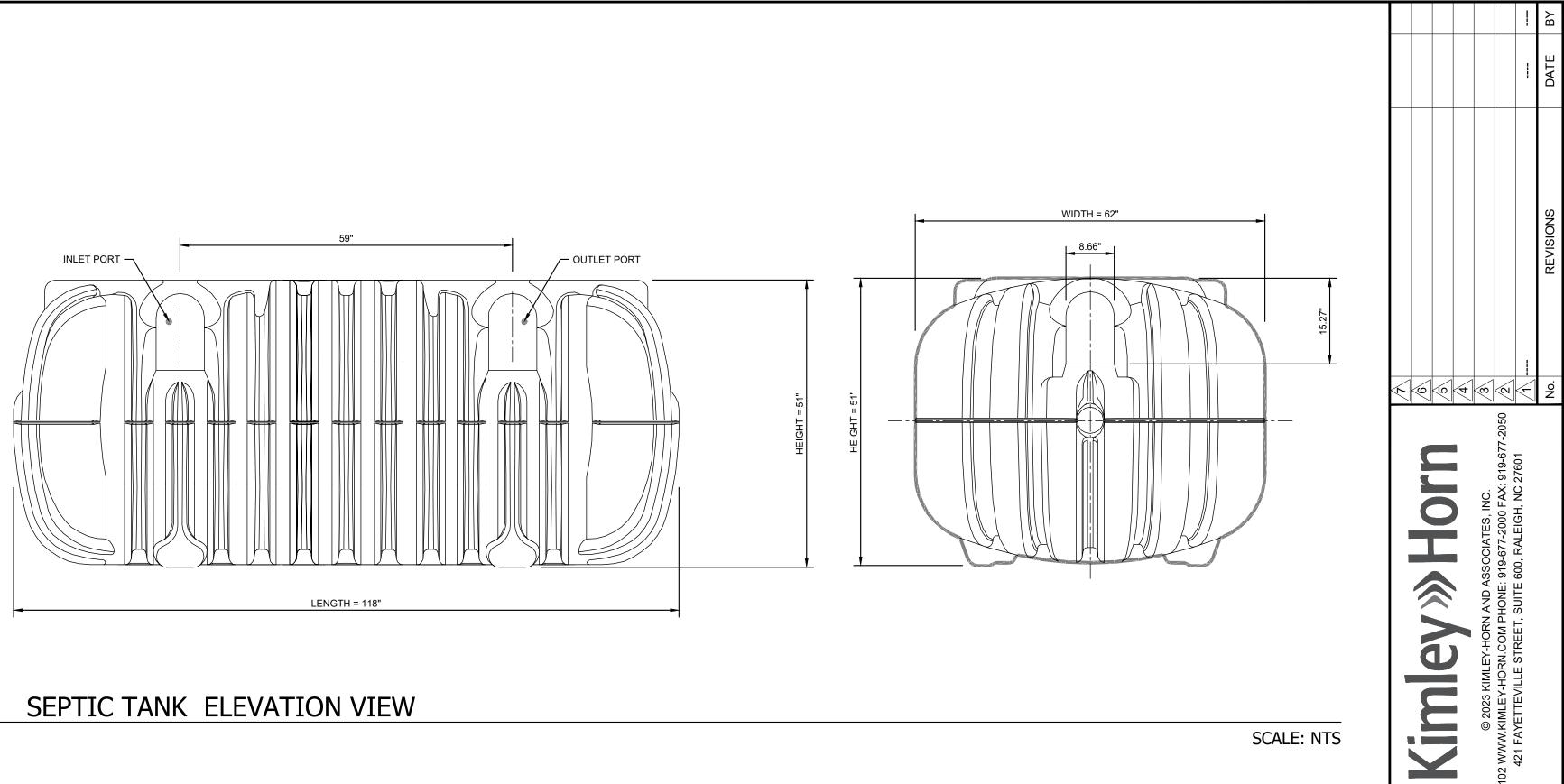
SURVEY NOTE: EXISTING TOPOGRAPHICAL INFORMATION IS BASED ON A TOPOGRAPHIC SURVEY OBTAINED ON 02/23/2023 BY CMP

RESPONSIBLE FOR VERIFYING ALL EXISTING INFORMATION, DEPICTED OR NOT, PRIOR TO CONSTRUCTION AND REPORT POTENTIAL CONFLICTS TO OWNER AND ENGINEER.





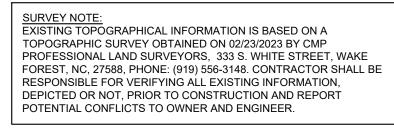




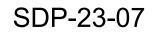
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SCALE: NTS









SCOOTER'S ROLESVILLE

JAA JAA

23

SEPTIC TANK DETAILS

PREPARED FOR JAVA ENTERPRISES

S&S

DATE DATE 0/31/20

8

SELF MONITORING AND INSPECTION NOTIFICATION

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 BECAME EFFECTIVE OCTOBER 1, 2010. TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, A COMBINED FORM IS NOW AVAILABLE. THE NEW FORM WAS DEVELOPED TO SATISFY THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL ACT AND THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES, NCG 010000. BEGINNING AUGUST 1 2013, THE DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES IS RESPONSIBLE FOR ADMINISTERING BOTH THE SPCA AND THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES, NCG 010000. THE COMBINED FORM SHOULD MAKE IT EASIER TO COMPLY WITH SELF-INSPECTION REQUIREMENTS. THE COMBINED SELF-MONITORING FORM IS AVAILABLE AS A PDF AND WORD DOCUMENT FROM THE LAND QUALITY WEB SITE, HTTP://PORTAL.NCDENR.ORG/WEB/LR/EROSION IF YOU HAVE QUESTIONS, PLEASE CONTACT THE LAND QUALITY SECTION AT NCDEQ REGIONAL OFFICE.

MAINTENANCE NOTES:

DURING THE DEVELOPMENT OF A SITE, THE DEVELOPER SHALL INSTALL AND MAINTAIN ALL TEMPORARY AND PERMANENT STORMWATER CONTROL MEASURES AS REQUIRED BY THE APPROVED PLAN OR ANY PROVISION OF THIS ARTICLE. THE ACT OR ANY ORDER ADOPTED PURSUANT TO THIS ARTICLE OR THE ACT. AFTER SITE DEVELOPMENT, THE DEVELOPER SHALL INSTALL AND/OR MAINTAIN ALL NECESSARY PERMANENT STORMWATER CONTROL MEASURES SPECIFIED IN THE APPROVED PLAN, EXCEPT THOSE MEASURES INSTALLED WITHIN A ROAD OR STREET RIGHT-OF-WAY OR EASEMENT ACCEPTED FOR MAINTENANCE BY A GOVERNMENTAL AGENCY CONVEYANCE OF THE PROPERTY SHALL NOT TERMINATE THE ORIGINAL DEVELOPER'S OBLIGATIONS UNDER THIS ARTICLE UNTIL SUCH TIME AS A REPLACEMENT PERMIT IS APPROVED BY THE COUNTY ENGINEER. OR DESIGNEE, THE ORIGINAL DEVELOPER SHALL INCLUDE IN THE DEED CONVEYING THE PROPERTY NOTICE OF THE EXISTENCE OF THE STORMWATER CONTROL MEASURES AND THE PURCHASER'S OBLIGATIONS TO MAINTAIN AND INSPECT THEM AND TO OBTAIN A PERMIT AND OTHERWISE COMPLY WITH THE TERMS OF THIS ARTICLE. REFER TO THE EROSION CONTROL DETAILS SHEET FOR ADDITIONAL MAINTENANCE NOTES. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:

- . <u>CONSTRUCTION ENTRANCE:</u> INSPECT CONSTRUCTION ROADS AND PARKING AREAS PERIODICALLY FOR CONDITION OF SURFACE. TOP DRESS WITH NEW GRAVEL AS NEEDED. CHECK ROAD DITCHES AND OTHER SEEDED AREAS FOR EROSION AND SEDIMENTATION AFTER RUNOFF-PRODUCING RAINS. MAINTAIN ALL VEGETATION IN A HEALTHY, VIGOROUS CONDITION. SEDIMENT PRODUCING AREAS SHOULD BE TREATED IMMEDIATELY.
- SILT FENCE: INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

SILT FENCE GRAVEL OUTLE

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- **BLOCK AND GRAVEL INLET PROTECTION** INSPECT THE BARRIER OF AFTER EACH RAIN AND MAKE REPAIRS AS NEEDED, REMOVE SEDIMENT AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR SUBSEQUENT RAINS. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSTABLE SOIL, AND EITHER SALVAGE OR DISPOSE OF IT PROPERLY. BRING THE DISTURBED AREA TO PROPER GRADE, THEN SMOOTH AND COMPACT IT. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE

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NPDES GROUND COVER REQUIREMENTS

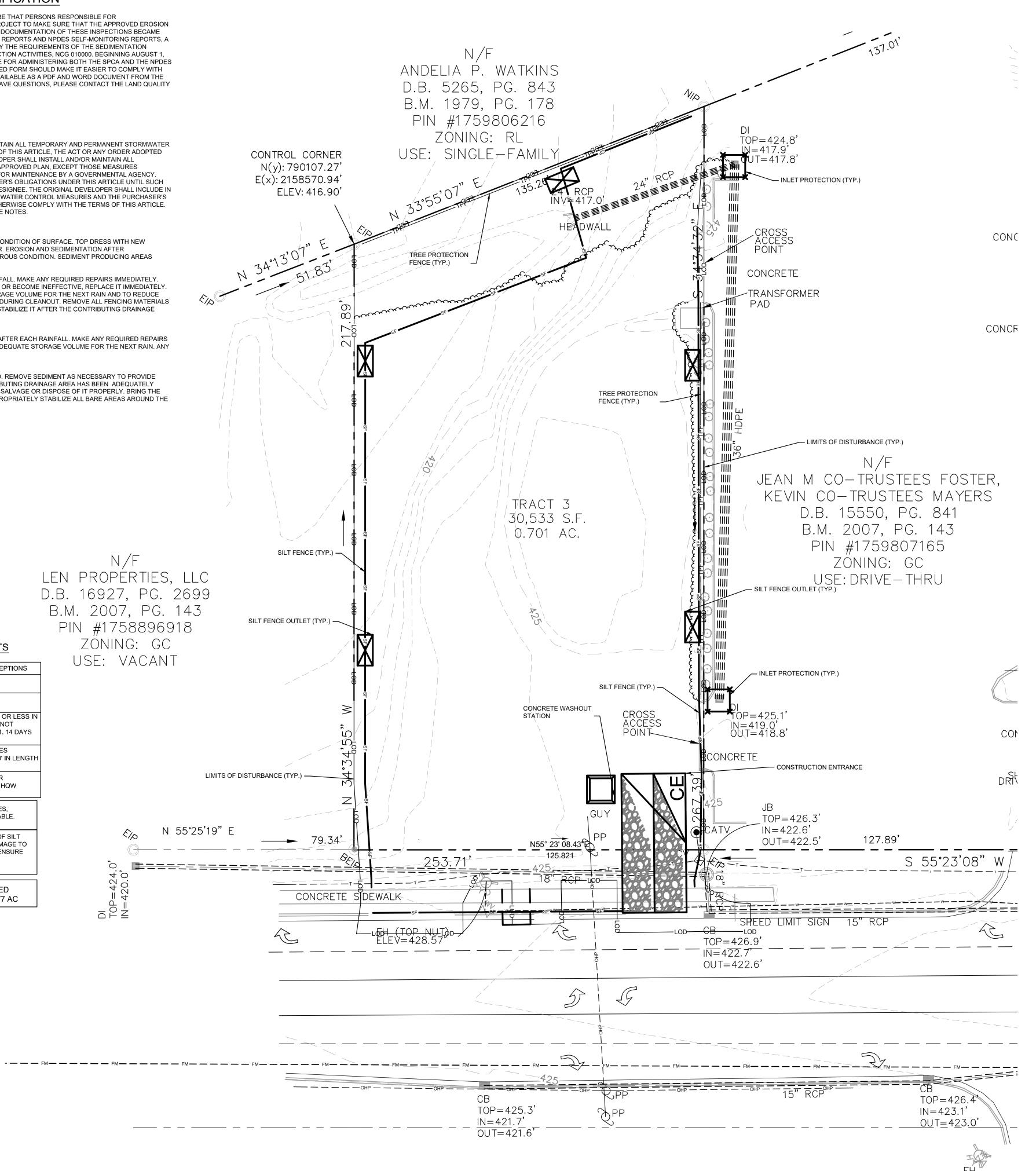
SITE AREA DESCRIPTION	ITE AREA DESCRIPTION STABILIZATION TIME FRAME EXC				
PERIMETER DIKES, SWALES, DITCHES, SLOPES	7 DAYS	NONE			
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE			
SLOPES STEEPER THAN 3:1	3:1 7 DAYS IF SLOPES ARE 10' OR LES LENGTH AND ARE NOT STEEPER THAN 2:1. 14 DA ARE ALLOWED.				
SLOPES 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.					
SILT FENCES SHOWN ON PLANS ARE FOR REPRESENTATIVE PURPOSES, CONSTRUCT DIRECTLY ALONG THE CLEARING LIMITS WHERE APPLICABLE.					
SILT FENCE OUTLETS ARE TO BE PROVIDED ALONG ALL LOW POINTS OF SILT FENCE AND AREAS WHERE RUNOFF MAY CONCENTRATE CAUSING DAMAGE TO SILT FENCE. CONTRACTOR TO INSTALL OUTLETS AS NECESSARY TO ENSURE SILT FENCE IS FULLY FUNCTIONAL THROUGHOUT THE DURATION OF					

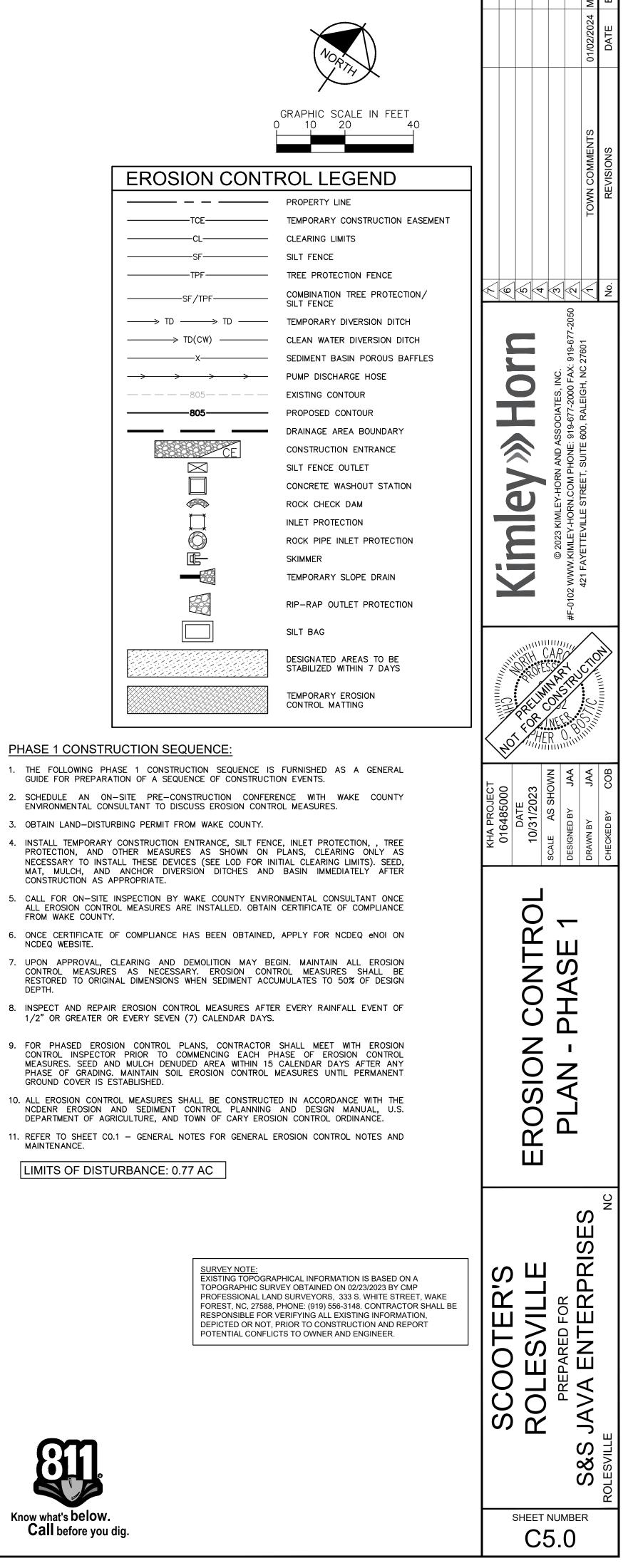
CONSTRUCTION.

REFER TO GENERAL NOTES SHEET C0.1 FOR DISTURBED EROSION CONTROL, SEEDBED PREPARATION, AND AREA: 0.77 AC SEEDING SCHEDULE NOTES FOR BOTH PHASES.

USE: VACANT LIMITS OF DISTURBANCE (TYP.) -----N 55°25'19" E ELD 79.34' 0 _____ _____ 40 E

EID





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

NCDEQ WEBSITE.

MAINTENANCE.

DEPTH.

SELF MONITORING AND INSPECTION NOTIFICATION

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 BECAME EFFECTIVE OCTOBER 1, 2010. TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, A COMBINED FORM IS NOW AVAILABLE. THE NEW FORM WAS DEVELOPED TO SATISFY THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL ACT AND THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES, NCG 010000. BEGINNING AUGUST 1 2013. THE DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES IS RESPONSIBLE FOR ADMINISTERING BOTH THE SPCA AND THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES, NCG 010000. THE COMBINED FORM SHOULD MAKE IT EASIER TO COMPLY WITH SELF-INSPECTION REQUIREMENTS. THE COMBINED SELF-MONITORING FORM IS AVAILABLE AS A PDF AND WORD DOCUMENT FROM THE LAND QUALITY WEB SITE, HTTP://PORTAL.NCDENR.ORG/WEB/LR/EROSION IF YOU HAVE QUESTIONS, PLEASE CONTACT THE LAND QUALITY SECTION AT NCDEQ REGIONAL OFFICE.

MAINTENANCE NOTES:

THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:

DURING THE DEVELOPMENT OF A SITE, THE DEVELOPER SHALL INSTALL AND MAINTAIN ALL TEMPORARY AND PERMANENT STORMWATER CONTROL MEASURES AS REQUIRED BY THE APPROVED PLAN OR ANY PROVISION OF THIS ARTICLE, THE ACT OR ANY ORDER ADOPTED PURSUANT TO THIS ARTICLE OR THE ACT. AFTER SITE DEVELOPMENT, THE DEVELOPER SHALL INSTALL AND/OR MAINTAIN ALL NECESSARY PERMANENT STORMWATER CONTROL MEASURES SPECIFIED IN THE APPROVED PLAN, EXCEPT THOSE MEASURES INSTALLED WITHIN A ROAD OR STREET RIGHT-OF-WAY OR EASEMENT ACCEPTED FOR MAINTENANCE BY A GOVERNMENTAL AGENCY. CONVEYANCE OF THE PROPERTY SHALL NOT TERMINATE THE ORIGINAL DEVELOPER'S OBLIGATIONS UNDER THIS ARTICLE UNTIL SUCH TIME AS A REPLACEMENT PERMIT IS APPROVED BY THE COUNTY ENGINEER, OR DESIGNEE. THE ORIGINAL DEVELOPER SHALL INCLUDE IN THE DEED CONVEYING THE PROPERTY NOTICE OF THE EXISTENCE OF THE STORMWATER CONTROL MEASURES AND THE PURCHASER'S OBLIGATIONS TO MAINTAIN AND INSPECT THEM AND TO OBTAIN A PERMIT AND OTHERWISE COMPLY WITH THE TERMS OF THIS ARTICLE. REFER TO THE EROSION CONTROL DETAILS SHEET FOR ADDITIONAL MAINTENANCE NOTES.

- . <u>CONSTRUCTION ENTRANCE:</u> INSPECT CONSTRUCTION ROADS AND PARKING AREAS PERIODICALLY FOR CONDITION OF SURFACE. TOP DRESS WITH NEW GRAVEL AS NEEDED. CHECK ROAD DITCHES AND OTHER SEEDED AREAS FOR EROSION AND SEDIMENTATION AFTER RUNOFF-PRODUCING RAINS, MAINTAIN ALL VEGETATION IN A HEALTHY, VIGOROUS CONDITION, SEDIMENT PRODUCING AREAS SHOULD BE TREATED IMMEDIATELY.
- SILT FENCE INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

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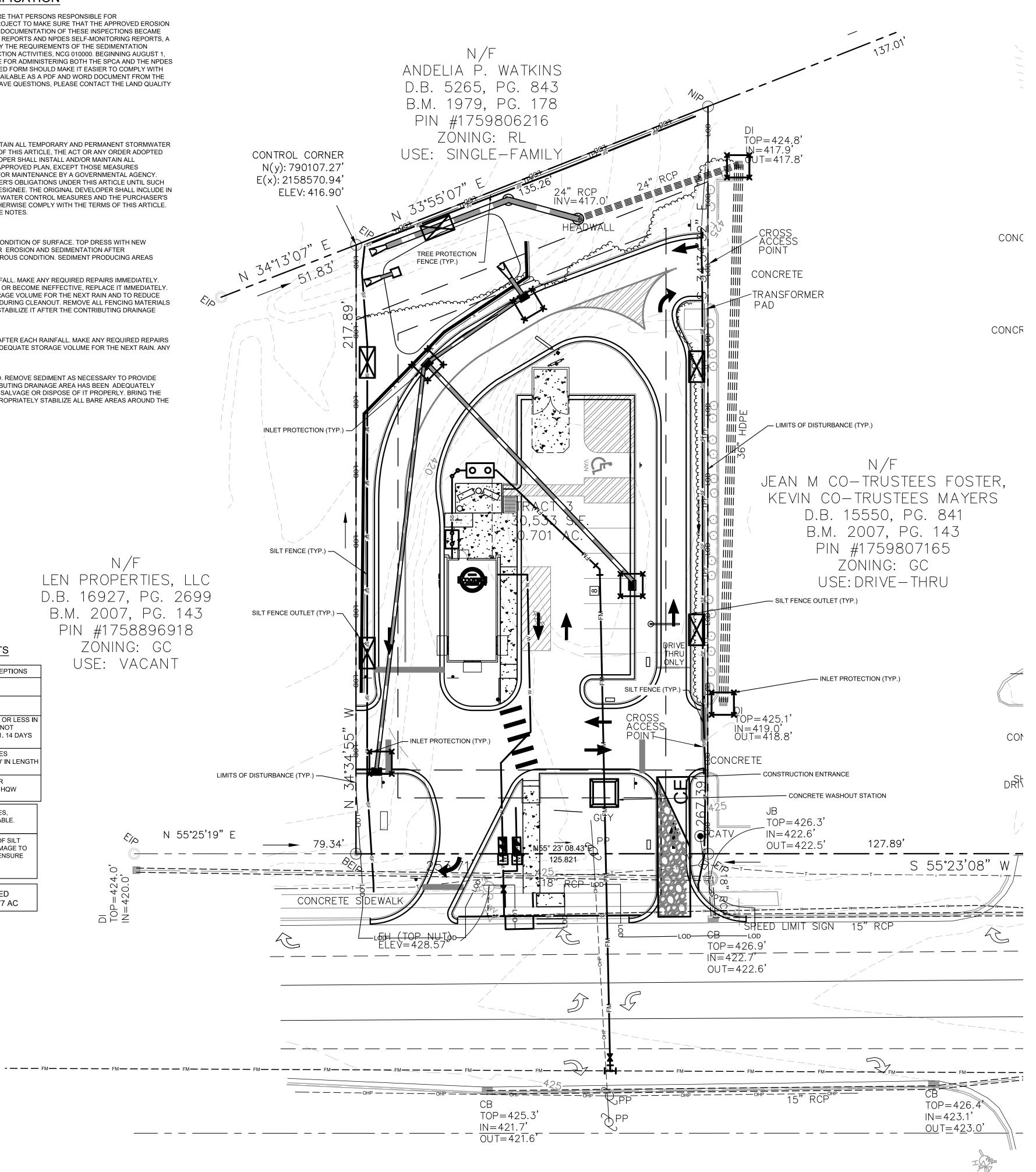
INCE IS FULLY FUNCTIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.

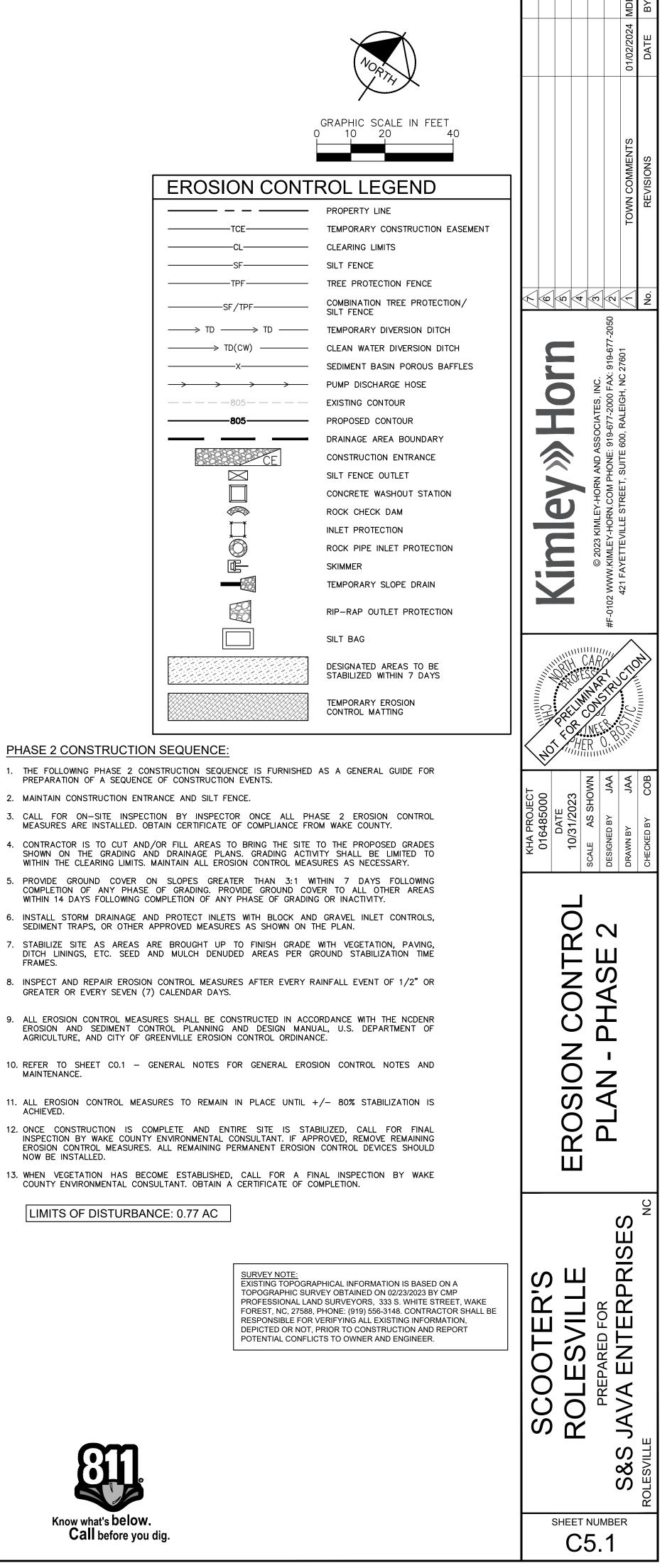
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LIMITS OF DISTURBANCE (TYP.) -N 55°25'19"E ELD 79.34' \cap _____ 40 CONCRETE £

SILT FENCE (TYP.) -

ELD



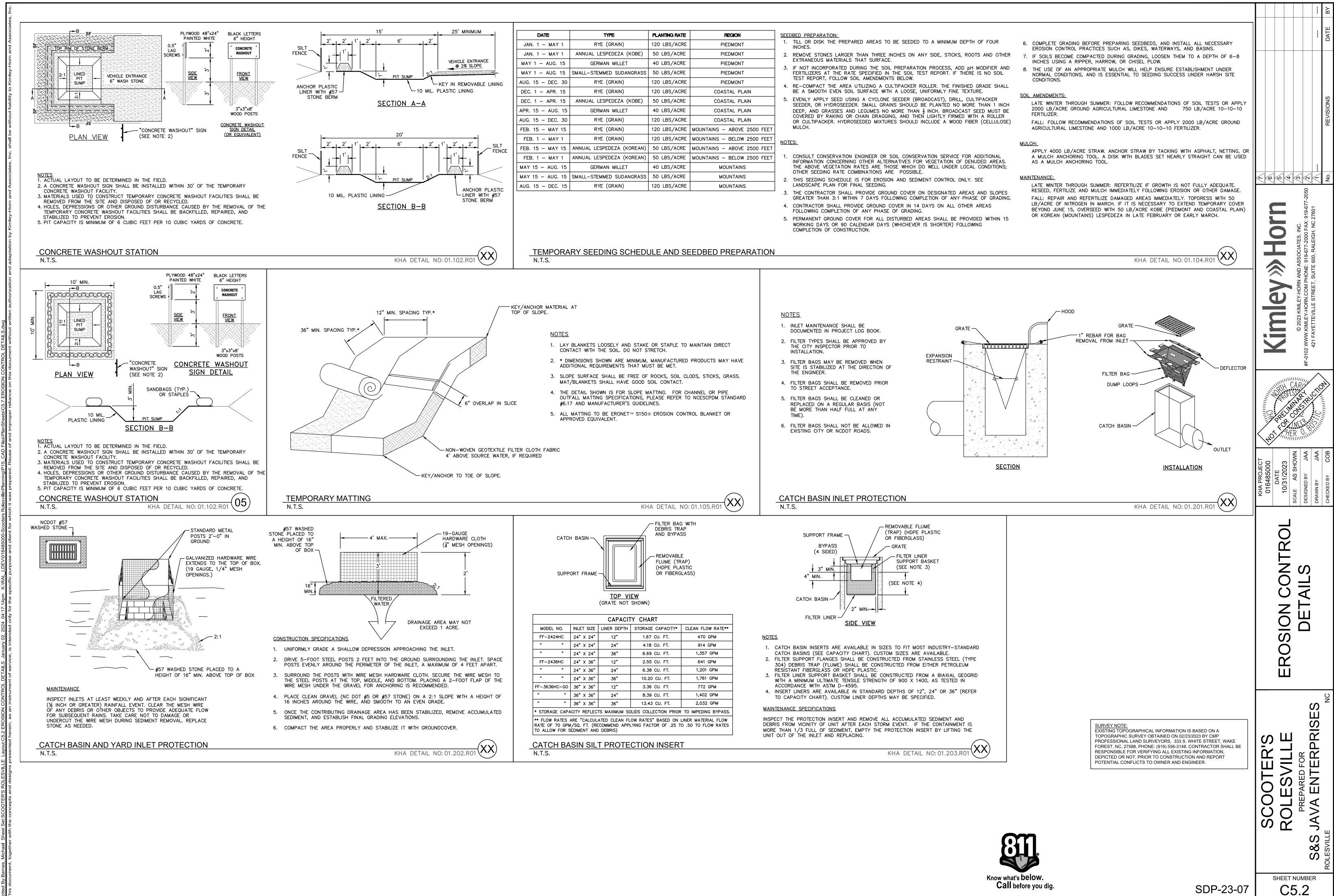


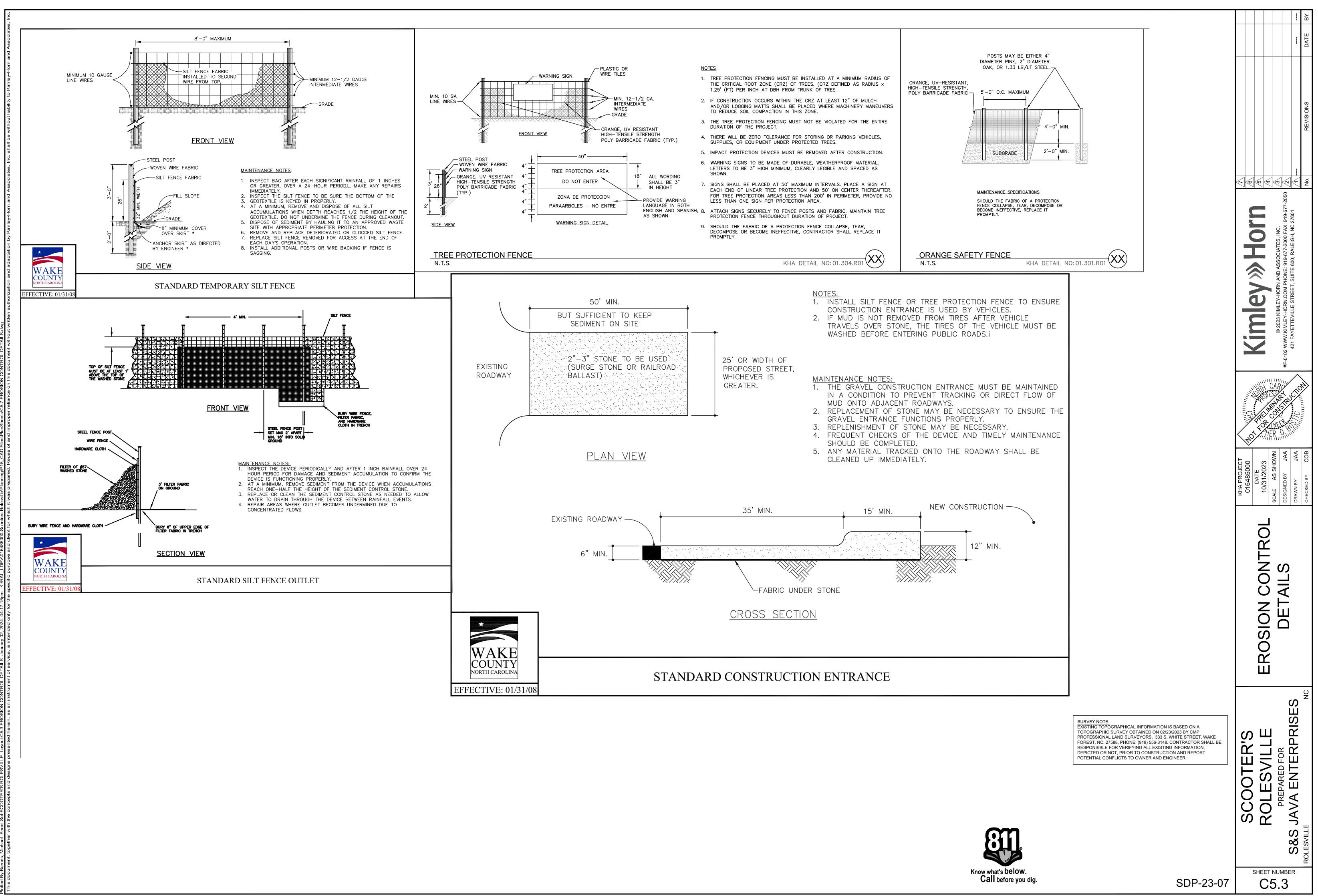
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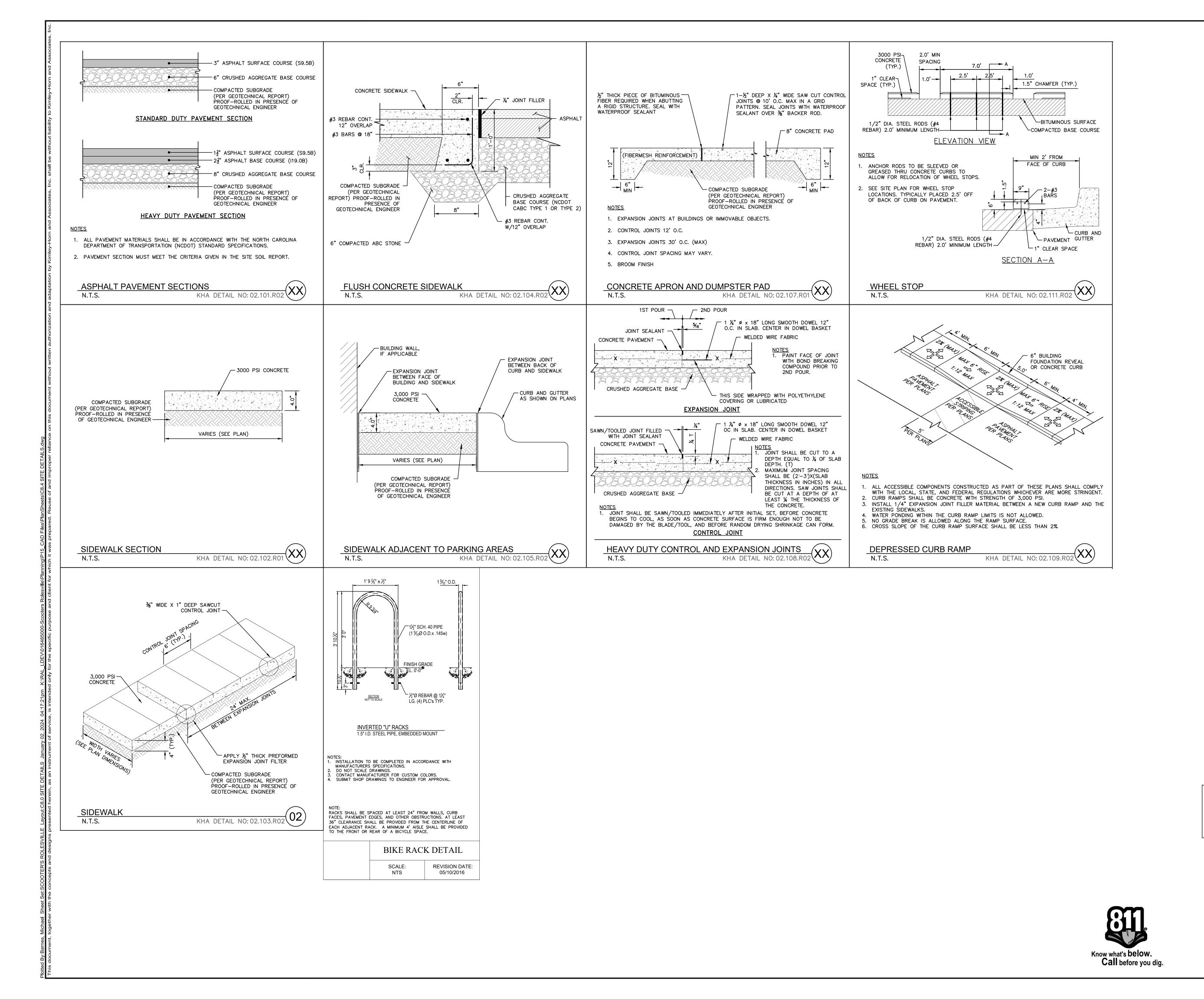
FRAMES.

MAINTENANCE.

ACHIEVED.

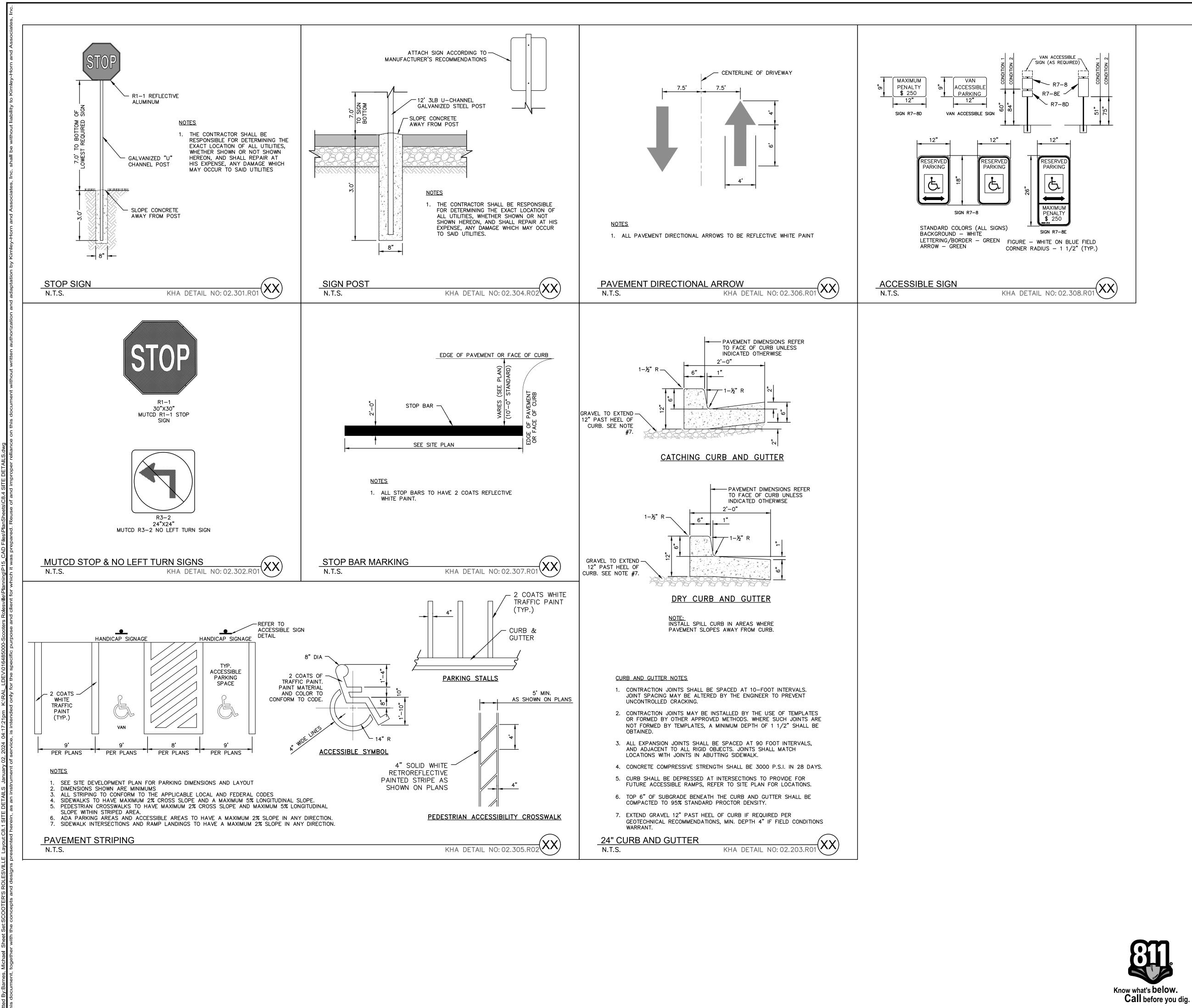


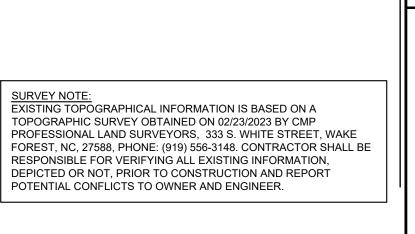


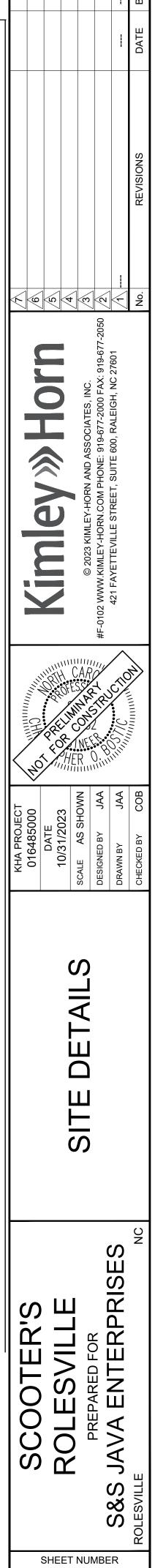


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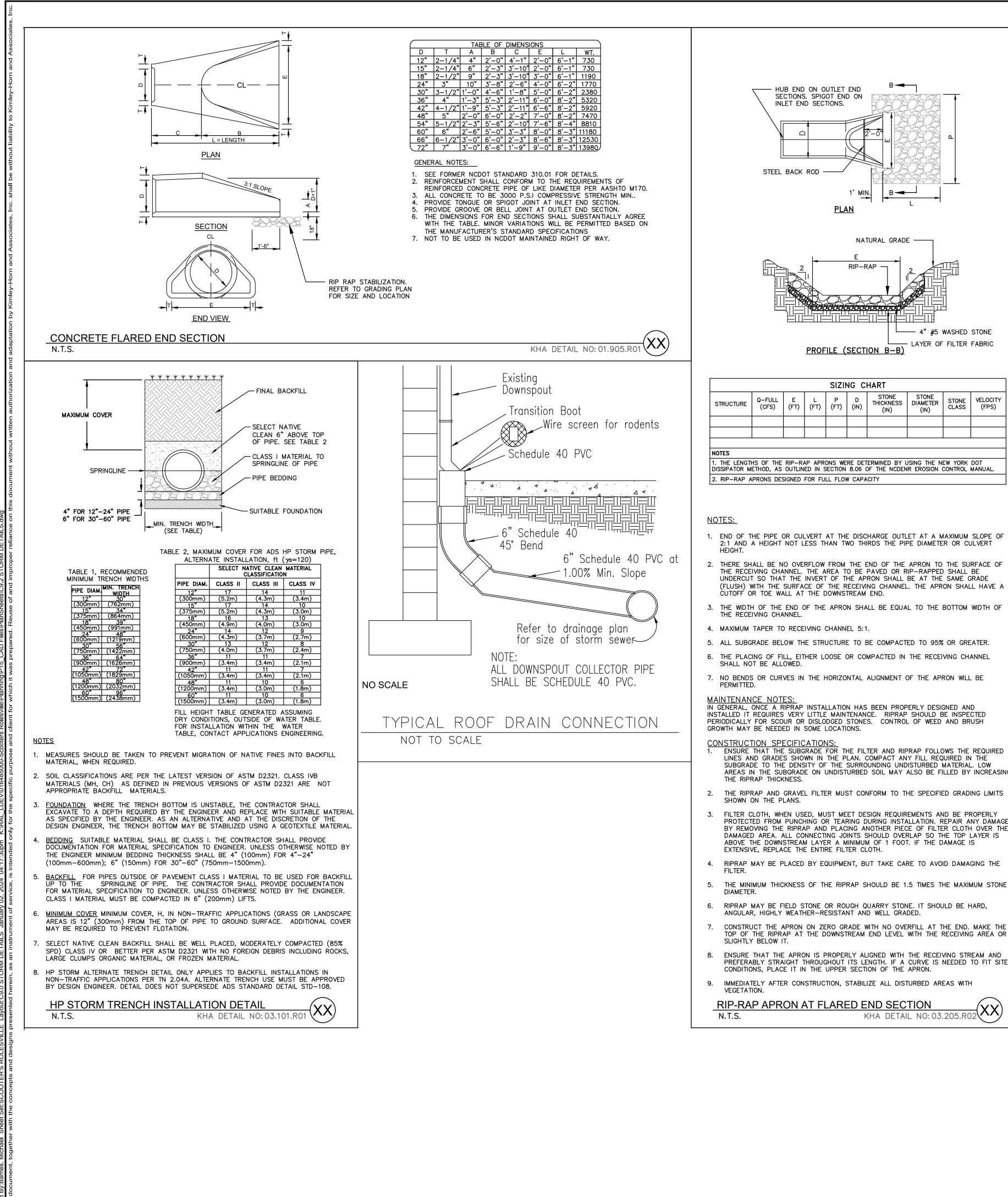
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	 REVISIONS
	Frequencies Construction Construction Construction Image: State of the state
	DWN JAA COB COB COB
	KHA PROJECT 016485000 DATE 10/31/2023 SCALE AS SHOWN SCALE AS SHOWN DESIGNED BY JAA DESIGNED BY JAA DRAWN BY JAA CHECKED BY COB
	SITE DETAILS
BASED ON A 2023 BY CMP 'HITE STREET, WAKE ONTRACTOR SHALL BE INFORMATION, 'N AND REPORT INEER.	SCOOTER'S ROLESVILLE PREPARED FOR S&S JAVA ENTERPRISES ROLESVILLE
SDP-23-07	SHEET NUMBER

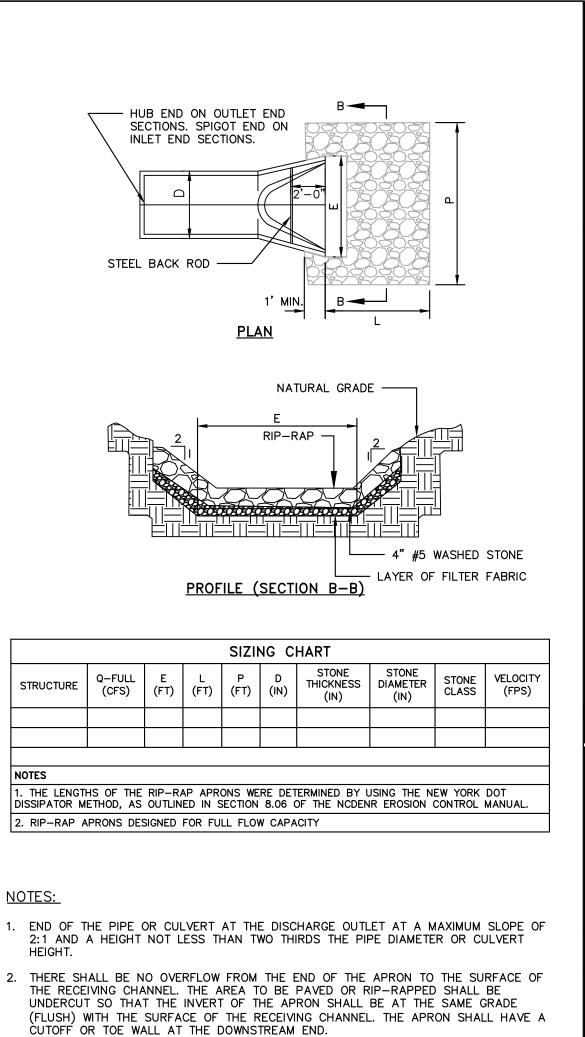


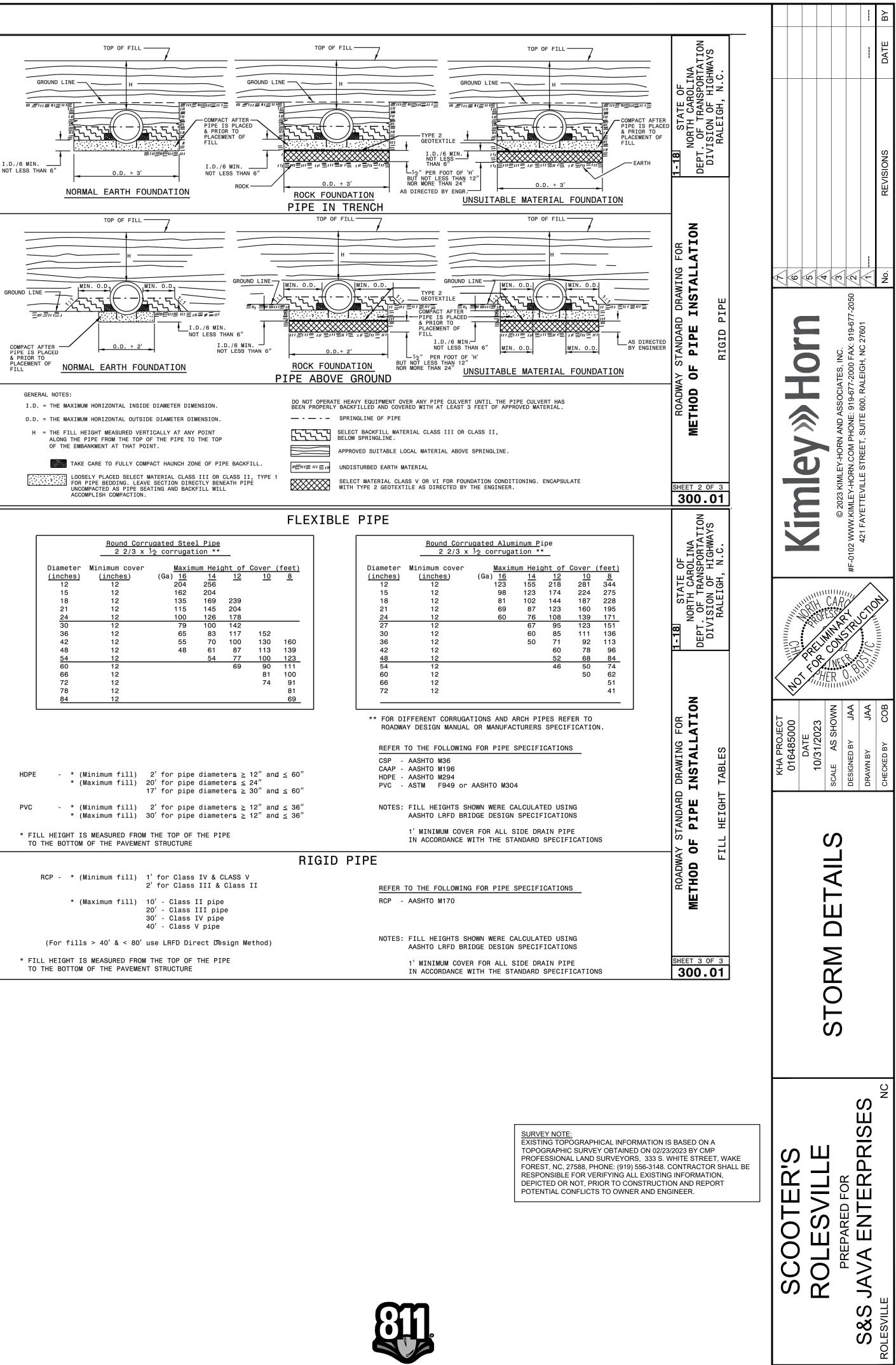




C8.1







THE RIPRAP THICKNESS. 2. THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLANS.

LINES AND GRADES SHOWN IN THE PLAN. COMPACT ANY FILL REQUIRED IN THE

SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL. LOW

AREAS IN THE SUBGRADE ON UNDISTURBED SOIL MAY ALSO BE FILLED BY INCREASING

THE WIDTH OF THE END OF THE APRON SHALL BE EQUAL TO THE BOTTOM WIDTH OF

THE RECEIVING CHANNEL.

SHALL NOT BE ALLOWED.

PERMITTED.

- 3. FILTER CLOTH, WHEN USED, MUST MEET DESIGN REQUIREMENTS AND BE PROPERLY PROTECTED FROM PUNCHING OR TEARING DURING INSTALLATION. REPAIR ANY DAMAGE BY REMOVING THE RIPRAP AND PLACING ANOTHER PIECE OF FILTER CLOTH OVER THE DAMAGED AREA. ALL CONNECTING JOINTS SHOULD OVERLAP SO THE TOP LAYER IS ABOVE THE DOWNSTREAM LAYER A MINIMUM OF 1 FOOT. IF THE DAMAGE IS EXTENSIVE, REPLACE THE ENTIRE FILTER CLOTH.
- 4. RIPRAP MAY BE PLACED BY EQUIPMENT, BUT TAKE CARE TO AVOID DAMAGING THE FILTER.
- 5. THE MINIMUM THICKNESS OF THE RIPRAP SHOULD BE 1.5 TIMES THE MAXIMUM STONE DIAMETER.
- 6. RIPRAP MAY BE FIELD STONE OR ROUGH QUARRY STONE. IT SHOULD BE HARD, ANGULAR, HIGHLY WEATHER-RESISTANT AND WELL GRADED.
- 7. CONSTRUCT THE APRON ON ZERO GRADE WITH NO OVERFILL AT THE END. MAKE THE TOP OF THE RIPRAP AT THE DOWNSTREAM END LEVEL WITH THE RECEIVING AREA OR SLIGHTLY BELOW IT.
- 8. ENSURE THAT THE APRON IS PROPERLY ALIGNED WITH THE RECEIVING STREAM AND PREFERABLY STRAIGHT THROUGHOUT ITS LENGTH. IF A CURVE IS NEEDED TO FIT SITE CONDITIONS, PLACE IT IN THE UPPER SECTION OF THE APRON.
- 9. IMMEDIATELY AFTER CONSTRUCTION, STABILIZE ALL DISTURBED AREAS WITH VEGETATION.

RIP-RAP APRON AT FLARED END SECTION KHA DETAIL NO: 03.205.R02 N.T.S.

SDP-23-07

SHEET NUMBER

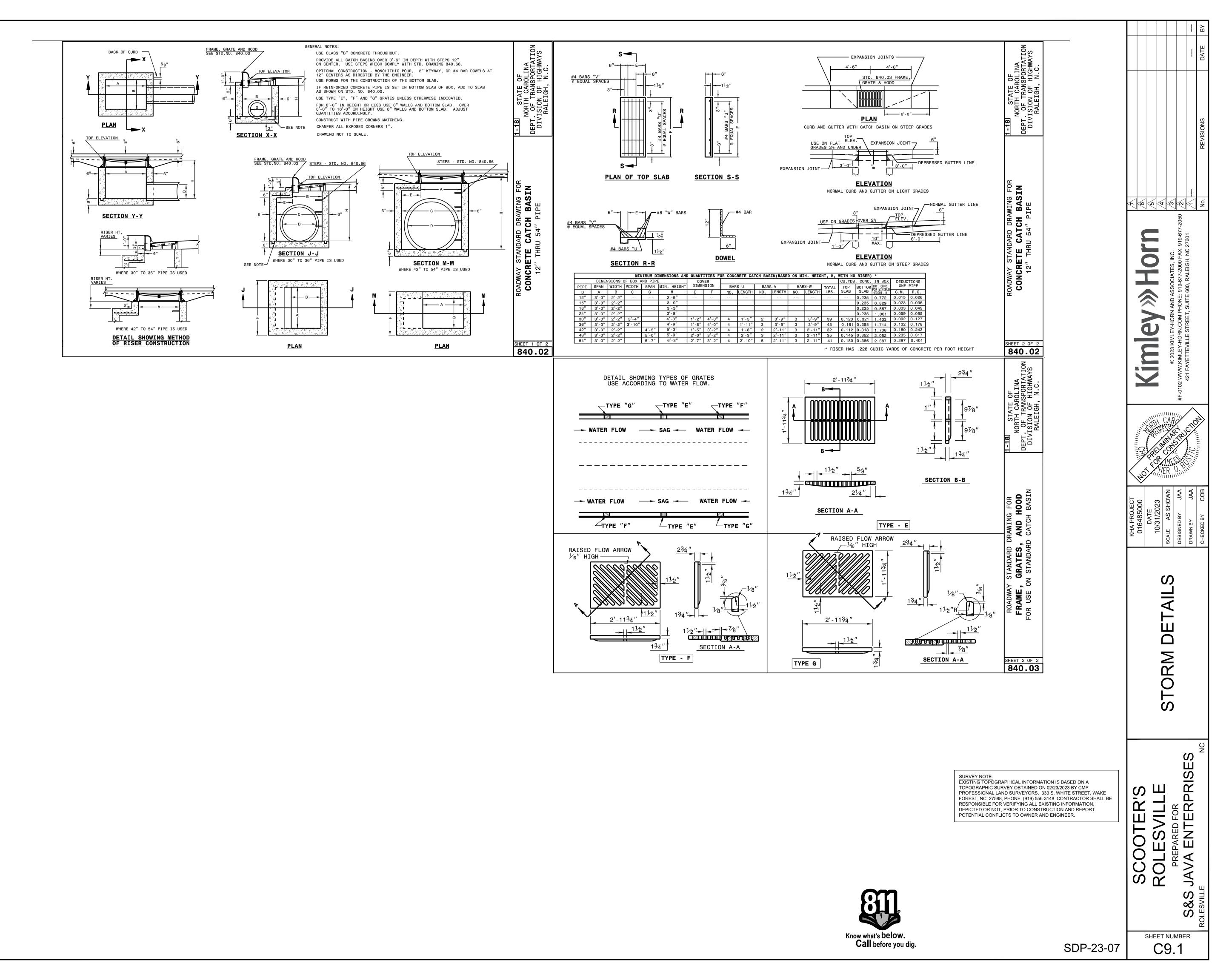
C9.0

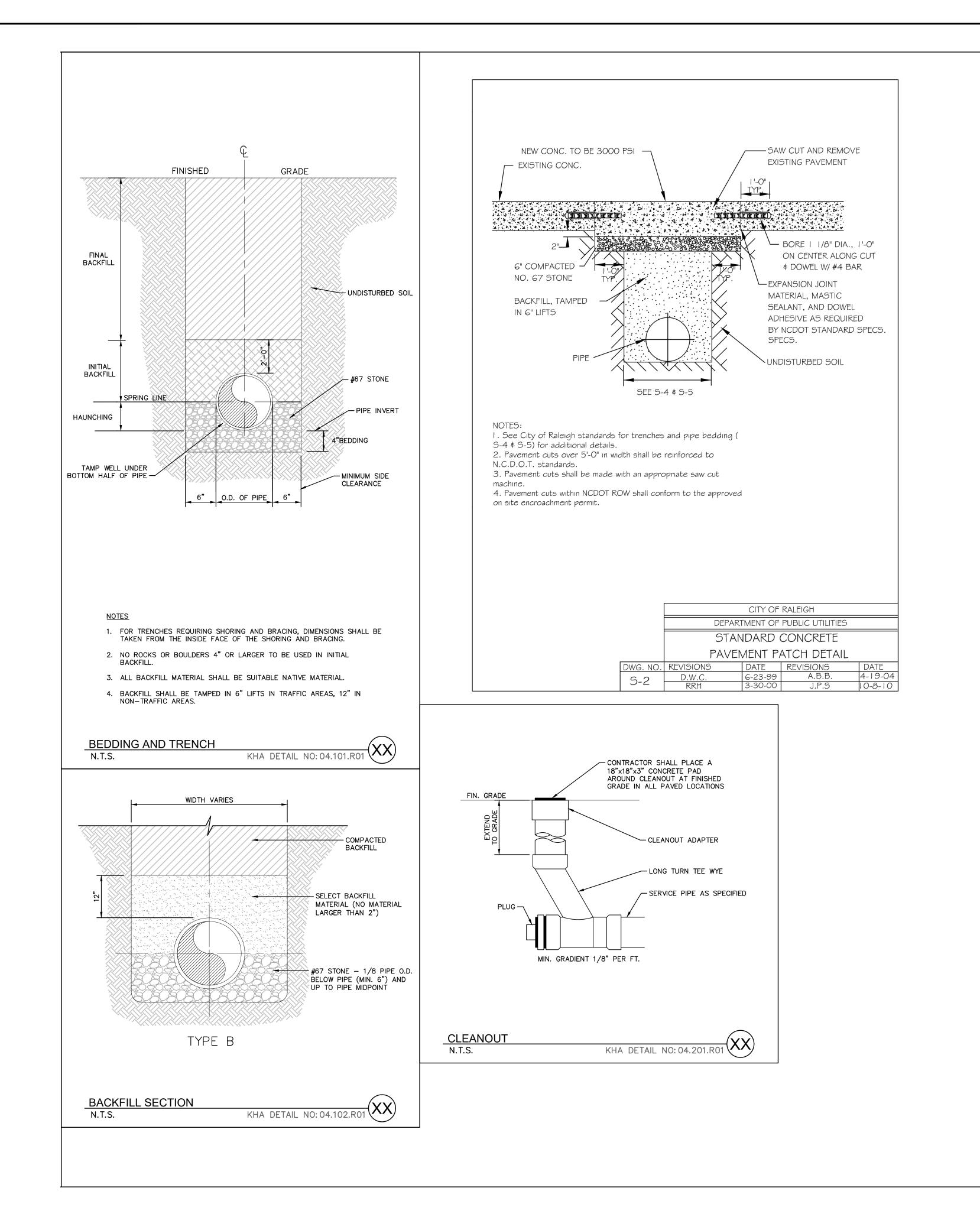
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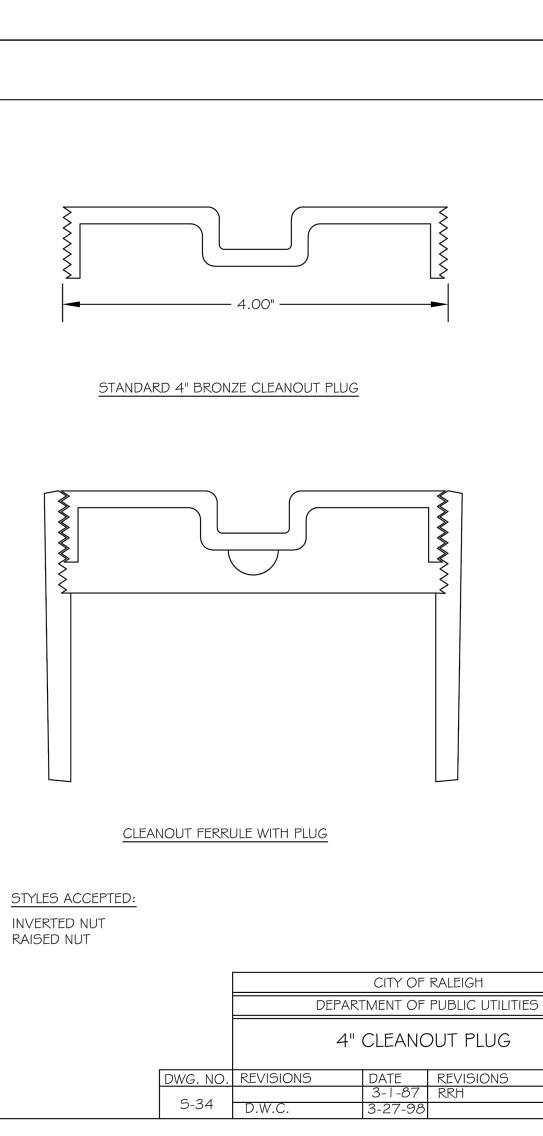
Call before you dig.

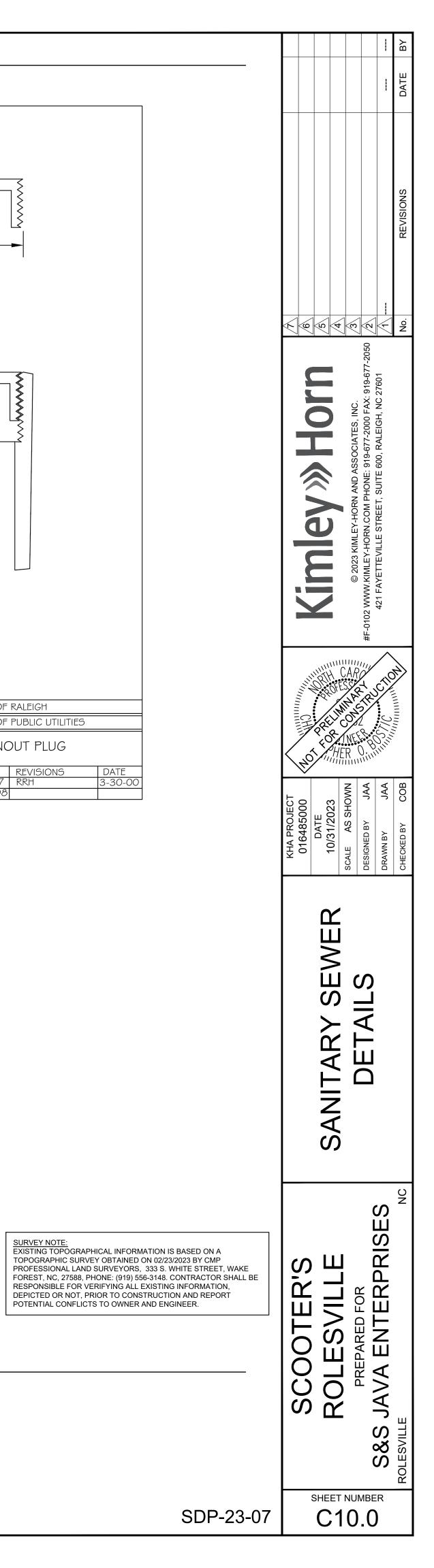






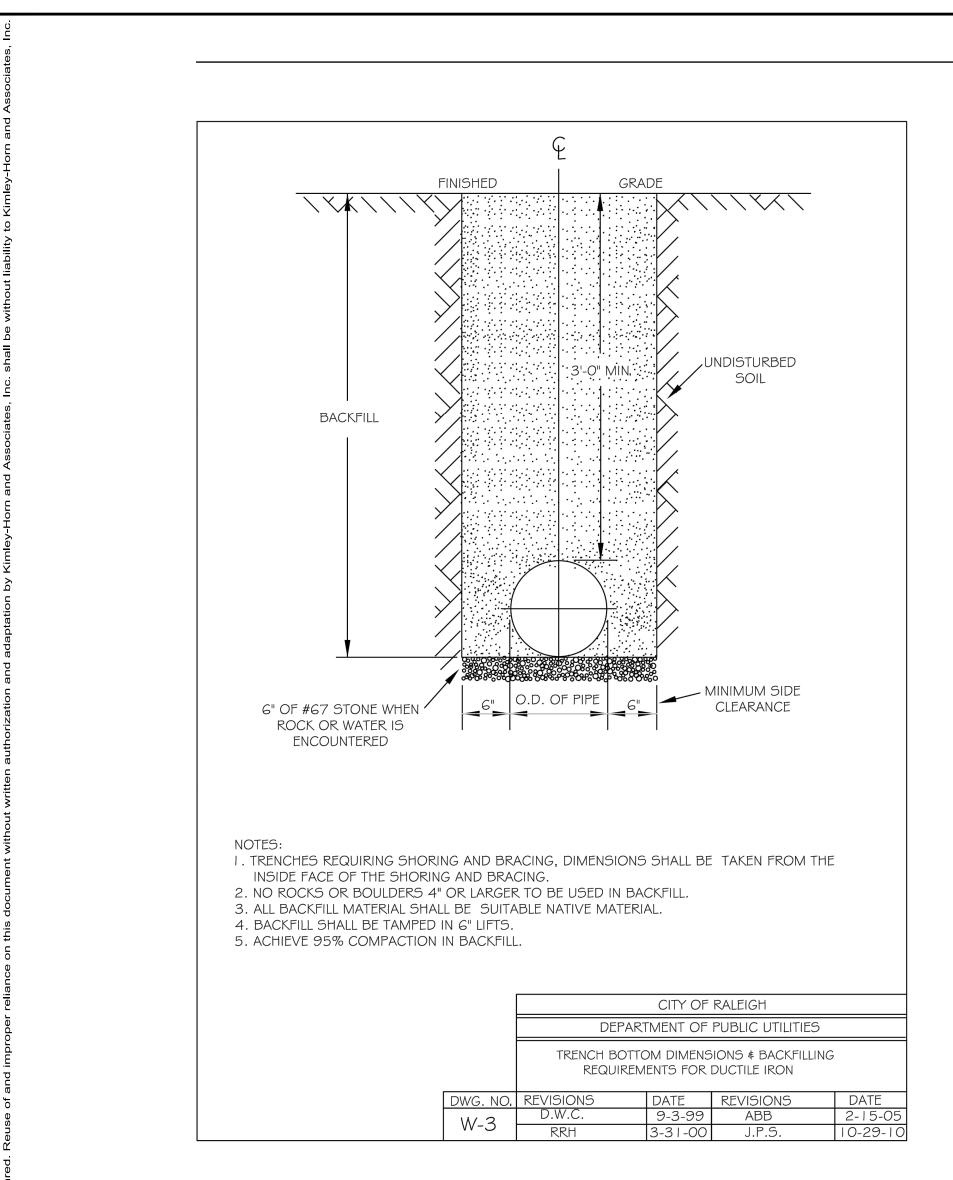


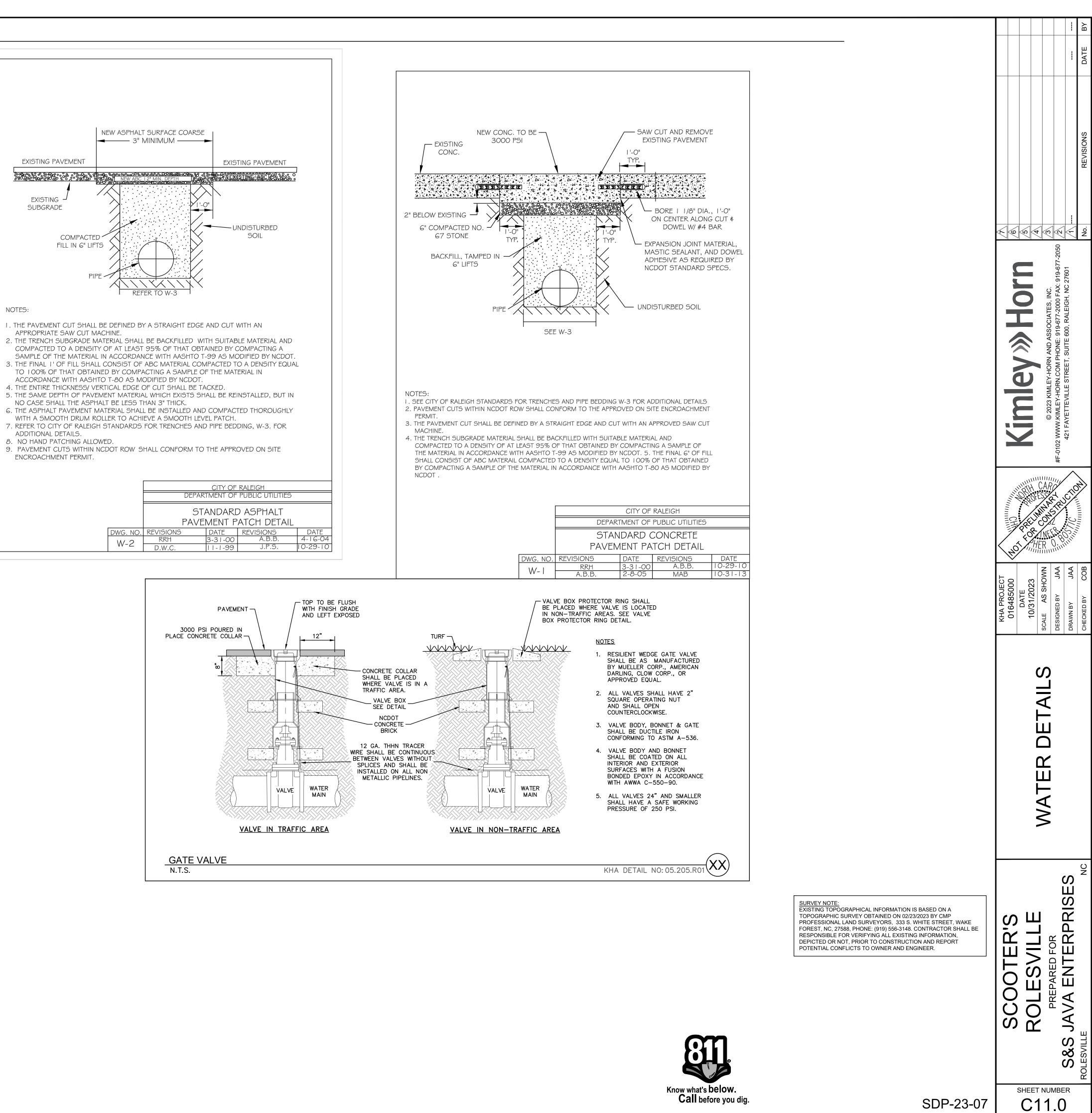


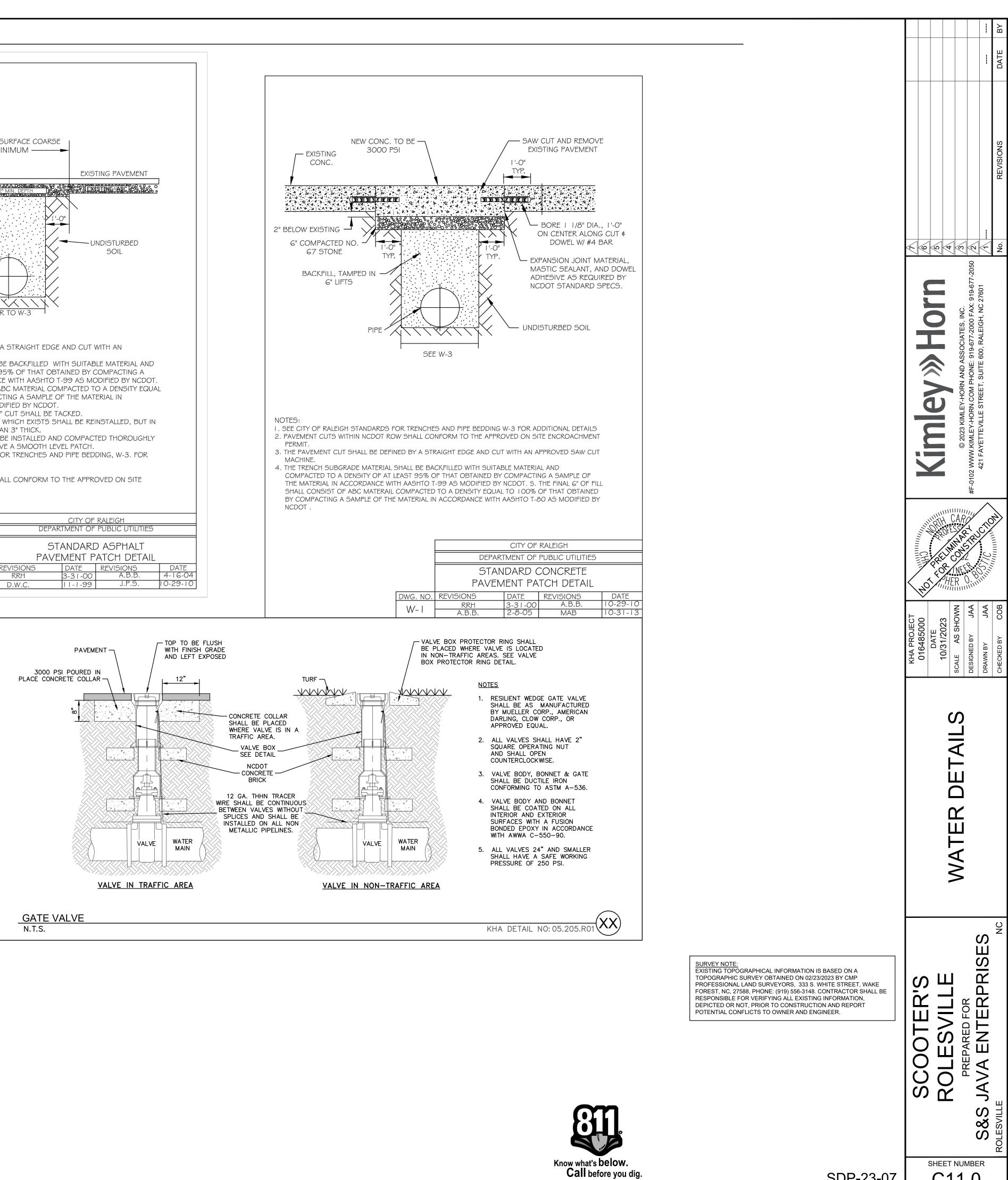


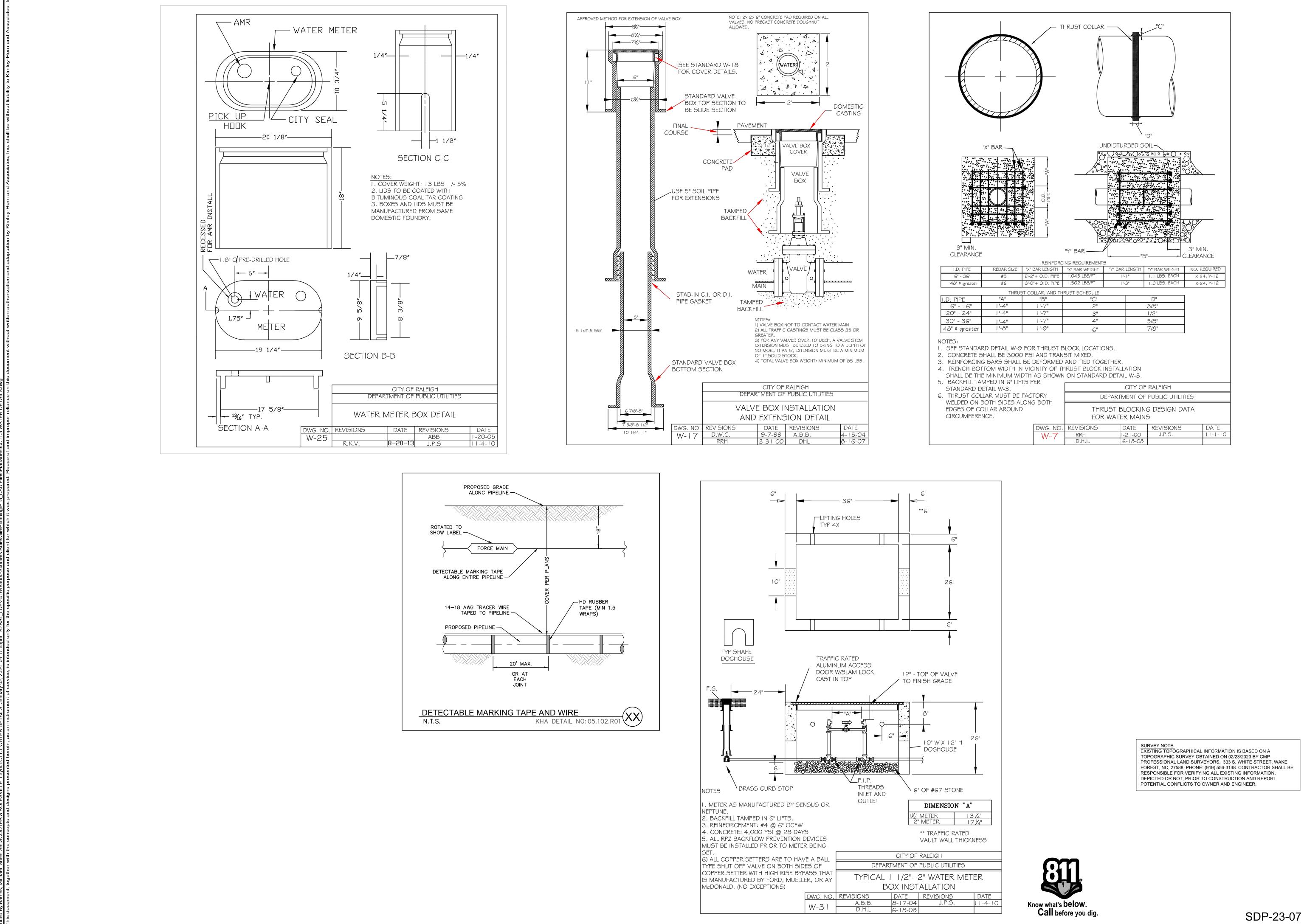
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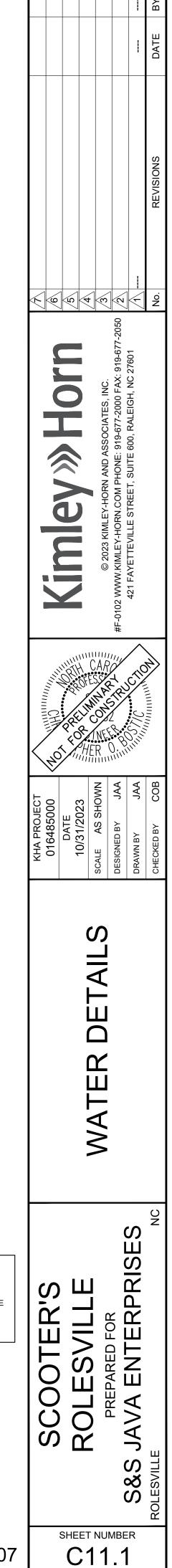


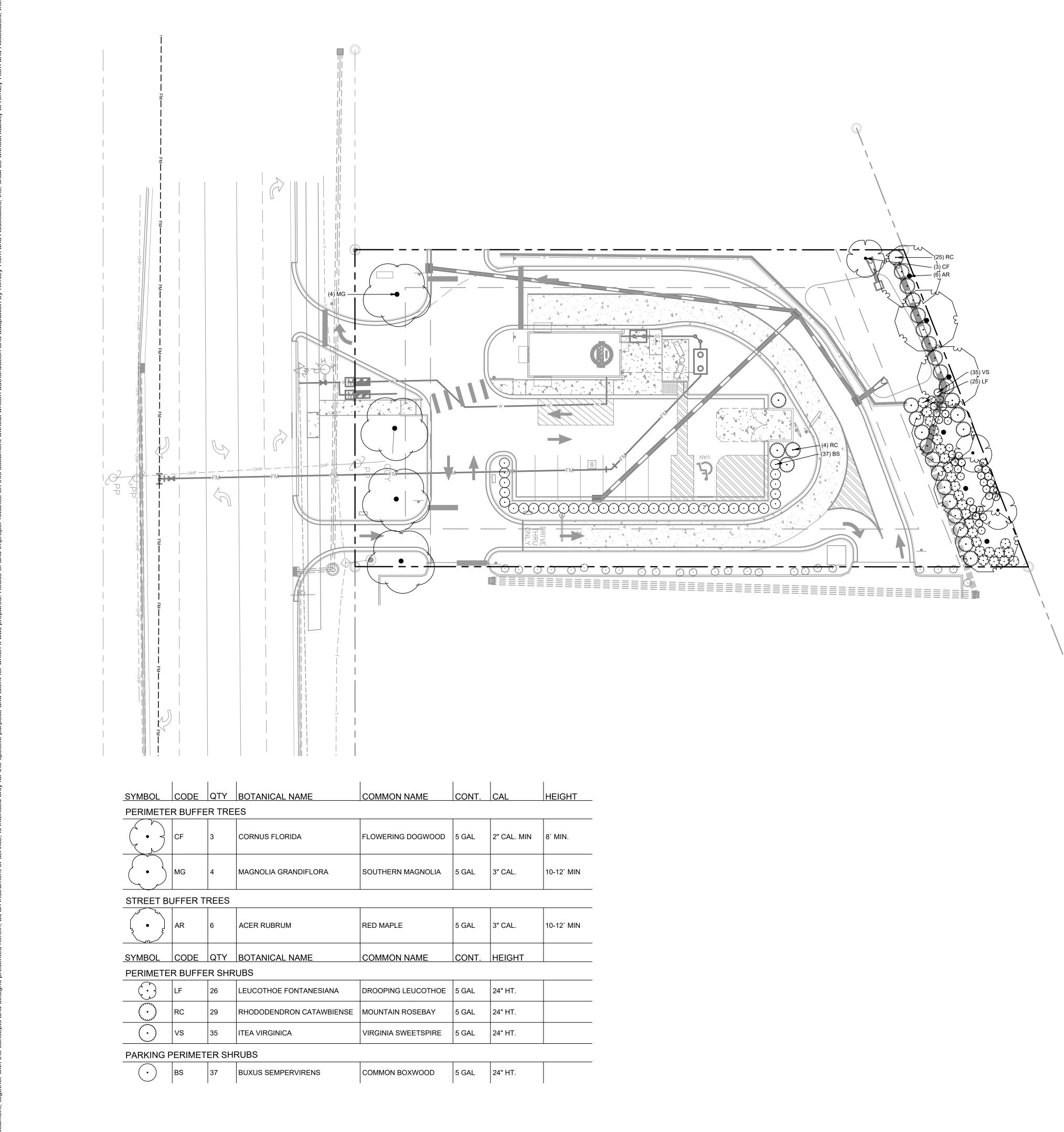




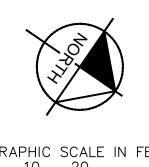








Parking Perim Shrubs NOTES:



LANDSCAPE NOTES:

1. ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 3" OF TOPSOIL. DO NOT MOUND MULCH AGAINST ROOT FLARES.

2. ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.

3. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.

4. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.

5. ALL PLANTING AREAS SHALL BE COMPLETELY MULCHED AS SPECIFIED.

6. ANY DISTURBED GRASS AREA IS TO BE REPLANTED. ALL SLOPES 3:1 OR GREATER SHALL BE SEEDED WITH SLOPE MASTER NO-MOW MIX OR OWNER APPROVED EQUAL.

7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE WARRANTY PERIOD.

11. ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS. 12. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR WARRANTY PERIOD. THE CONTRACTOR SHALL PROMPTLY MAKE ALL

REPLACEMENTS DURING THE NORMAL PLANTING SEASON. 13. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE

MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL. 14. ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES, AND SHALL BE STATE STANDARD OR BETTER

15. ALL INVASIVE / EXOTIC SPECIES AND PROHIBITED TREE SPECIES SHALL BE REMOVED FROM SITE, INCLUDING ROOT BALLS TO THE EXTENT POSSIBLE WITH NO DAMAGE TO ADJACENT EXISTING TREES.

16. CONTRACTOR TO DESIGN BUILD SYSTEM AND VERIFY ALL PRODUCTS WITH LANDSCAPE ARCHITECT.

17. TREE SUPPORT MATERIALS ARE TO BE REMOVED FROM EACH TREE ONCE IT IS "ESTABLISHED" (AS APPROVED BY THE LANDSCAPE ARCHITECT). 18. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL UTILITIES ARE ADEQUATELY SCREENED WITH THE REQUIRED PLANTING MATERIAL AND VERIFY PLANT SPECIES WITH LANDSCAPE ARCHITECT.

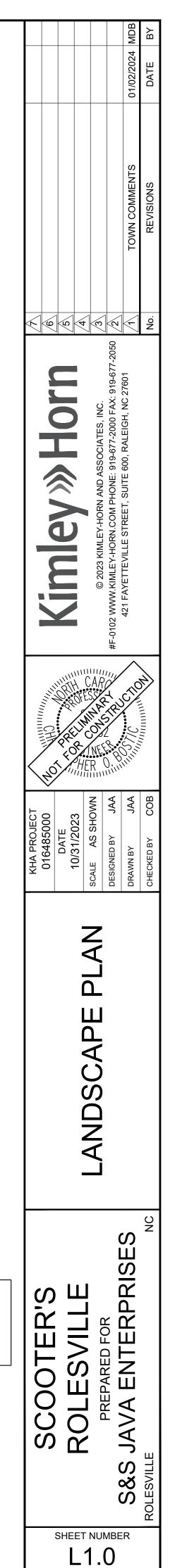
19. ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION.

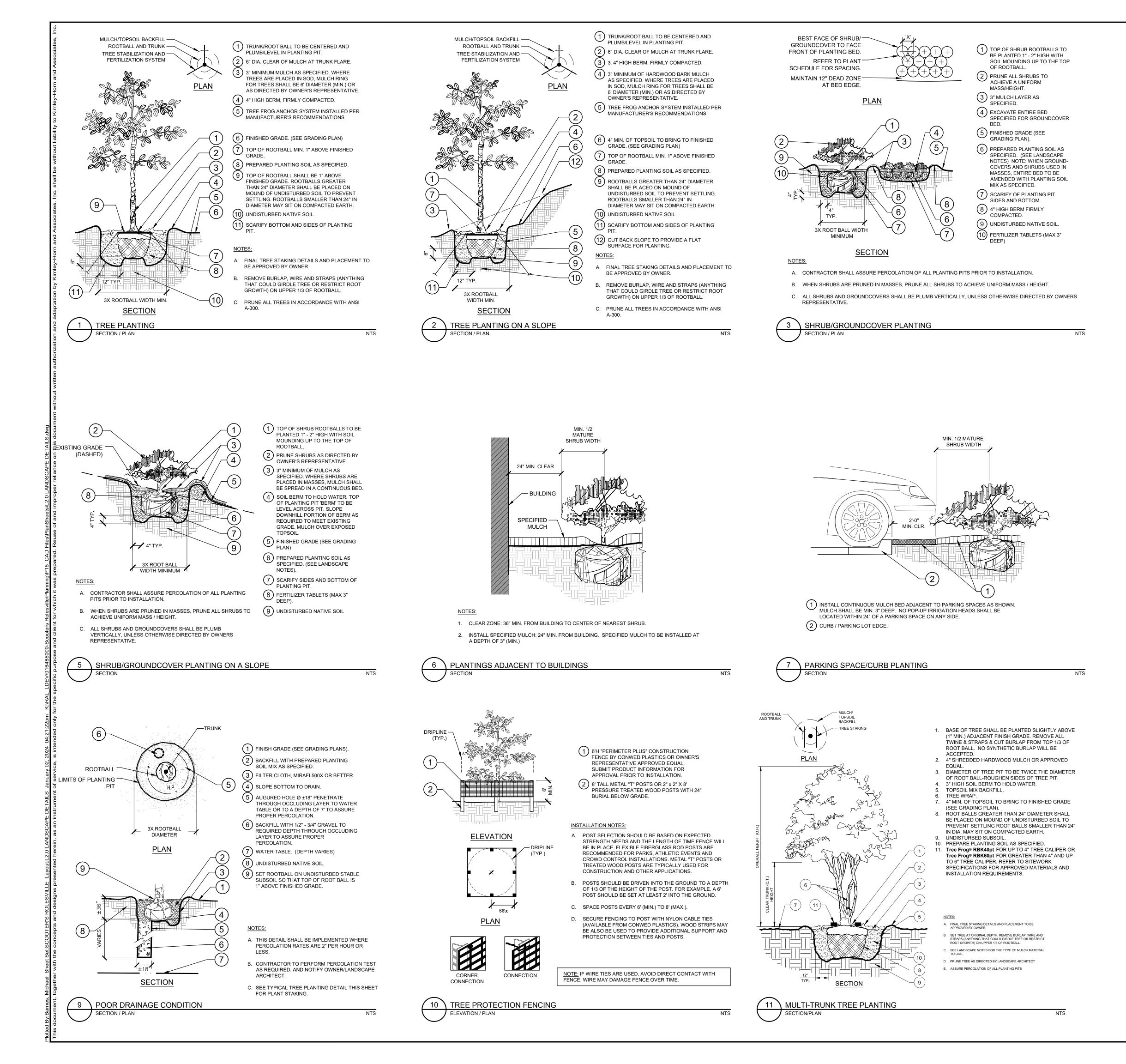
LANDSCAPE REQUIREMENTS PERIMETER BUFFER REQUIREMENTS 6.2.2.1						
Type 3 Perimeter Buffer: 136 lf Required Provided						
25 feet	Provided					
4 canopy trees per 100 linear feet = 6 canopy trees	6 Canopy Trees					
2 understory trees per 100 linear feet = 3 understory trees	3 Understory Trees					
Shrubs60 shrubs per 100 linear feet = 82 shrubs83 shrubs						
Required	Provided					
30 feet	Provided					
1 per 40 linear feet = 4 street trees	4 Street Trees					
L						
Required	Provided					
Continious row of shrubs within 5 feet of the parking lot edge	Provided					
	Required 25 feet 4 canopy trees per 100 linear feet = 6 canopy trees 2 understory trees per 100 linear feet = 3 understory trees 60 shrubs per 100 linear feet = 82 shrubs Required 30 feet 1 per 40 linear feet = 4 street trees					

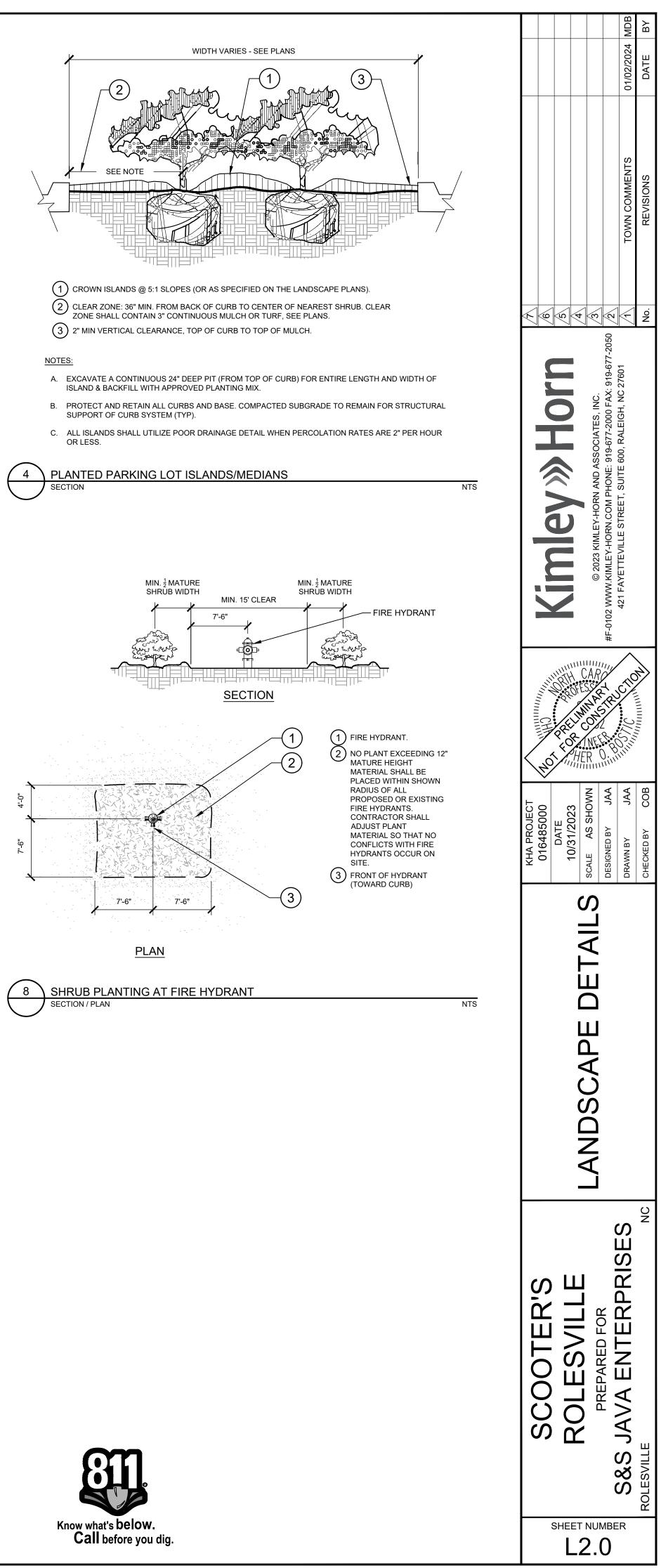
1. ESTABLISH SOD IN ALL DISTURBED AREAS. SEE SPECIFICATIONS FOR MORE INFORMATION. 2. ALL AREAS WITH PROPOSED LANDSCAPE MATERIAL SHALL RECEIVE A MINIMUM THREE (3) INCHES OF SHREDDED HARDWOOD MULCH. SEE LANDSCAPE PLAN FOR MULCH BOUNDARY LINES. SEE LANDSCAPE DETAILS FOR TYPICAL MULCH AREA DIMENSIONS.

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GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

- THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS SPECIFIED HEREIN
- WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE
- B. PROTECTION OF EXISTING STRUCTURES
- ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY BMP DEVICES ACCORDING TO ALL REGULATORY AGENCY'S STANDARDS THROUGH THE DURATION OF ALL CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF DOT DESIGN STANDARDS, INDEX 600. IF A DIRECT APPLICATION OF INDEX 600 IS PROPOSED, THE CONTRACTOR SHALL SUBMIT IN WRITING A STATEMENT INDICATING THE STANDARD INDEX AND PAGE NUMBER NO LESS THAN 10 BUSINESS DAYS PRIOR TO START OF CONSTRUCTION. WHEN A DIRECT APPLICATION OF DOT STANDARD INDEX 600 IS NOT ACCEPTABLE A PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY A PROFESSIONAL ENGINEER WHO HAS SUCCESSFULLY COMPLETED ADVANCED TRAINING IN MAINTENANCE OF TRAFFIC, AS DEFINED BY DOT FOR APPROVAL BY THE COUNTY ENGINEER'S REPRESENTATIVE.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON INFORMATION FURNISHED BY THE OWNER OF SUCH UNDERGROUND FACILITIES OR ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UNDERGROUND FACILITIES DURING CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- C. PROTECTION OF EXISTING PLANT MATERIALS
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC... THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED ON SITE. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF THREE HUNDRED DOLLARS (\$300) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.
- 2. SEE TREE MITIGATION PLAN AND NOTES, IF APPLICABLE
- D. MATERIALS
- 1. GENERAL
 - MATERIAL SAMPLES LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL

MATERIAL	SAMPLE SIZE
MULCH	ONE (1) CUBIC FOOT
TOPSOIL MIX	ONE (1) CUBIC FOOT
PLANTS	ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY)

- 2. PLANT MATERIALS
- a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. ALL PLANTS SHALL BE DETERMINED BY THE STATE DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.
- b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.
- c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY. SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.
- E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)
- 1. CONTRACTOR SHALL TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:
- 2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. CONTRACTOR TO SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.
- a. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.
- b. <u>SAND</u> SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND.
- TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.
- F. WATER
- 1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.... IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.
- * WATERING/IRRIGATION RESTRICTIONS MAY APPLY REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
- G. FERTILIZER
- CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED. * FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.
- H. MULCH
- MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A DEPTH OF THREE (3) INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). MULCH SHALL BE "FLORIMULCH," EUCALYPTUS MULCH, OR SIMILAR SUSTAINABLY HARVESTED MULCH UNLESS SPECIFIED OTHERWISE.
- PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT (6' MINIMUM) PLANTED UNDER THIS CONTRACT. I. DIGGING AND HANDLING
- PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO THE SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
- 2. BALLED AND BURLAPPED (B&B), AND FIELD GROWN (FG) PLANTS SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS

TYPICAL LANDSCAPE SPECIFICATIONS

CRACKED OR BROKEN. PLANTS SHALL NOT BE HANDLED BY STEMS.

- PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.
- 4. PROTECTION OF PALMS: ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL
- EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

CONTAINER GROWN STOCK

- ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION.
- AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
- 3. ROOT BOUND PLANTS ARE NOT ACCEPTABLE AND WILL BE REJECTED. 4. RPG= "ROOTS PLUS GROWER" CONTAINER PRODUCTS SHALL BE USED WHERE SPECIFIED.
- K. COLLECTED STOCK

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE. THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY. NATIVE STOCK

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW. M. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

N. FINE GRADING

- FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED
- THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE
- ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE. O. PLANTING PROCEDURES
- CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY, ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
- 2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL STATE OFFICIAL (811) TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND POSITIVE DRAINAGE CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE POOR DRAINAGE CONDITION PLANTING DETAIL.
- 4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS SPECIFIED HEREIN. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
- 5. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ONSITE SHALL NOT REMAIN UNPLANTED OR APPRO PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES WORKMANLIKE METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.
- 6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
- 7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS. AND BACK FILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. IF POOR DRAINAGE EXISTS. UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.
- 8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
- 9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS. 10 TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT AFTER SETTLEMENT. THE PLANT CROWN WILL STAND ONE (1) TO TWO (2)
- INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
- 11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.
- 12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET, ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.
- 13. TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY CERTIFIED ARBORIST, IN ACCORDANCE WITH ANSI A-300.
- 14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST MATERIALS INSTALLED SHALL MEET MINIMUM SPECIMEN REQUIREMENTS OR QUANTITIES SHOW ON PLANS. WHICHEVER IS GREATER. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" THE PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.
- 15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE PROJECT LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE PROJECT LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY
- 16. ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

P. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER

- 2. ALL AREAS THAT ARE TO BE S OF THREE (3) INCHES, AND TH MORE THAN ONE-HUNDRED (FILLED WITH ADDITIONAL SOI REQUIRED GRADE.
- PREPARE LOOSE BED FOUR (THOROUGHLY.
- 4. SODDING
- a. THE CONTRACTOR SHALL SOL LIMITS, UNLESS SPECIFICALL
- b. THE SOD SHALL BE CERTIFIED WEEDS, FUNGUS, INSECTS AN
- c. SOD PANELS SHALL BE LAID 1 EDGES OF ALL CURBS AND O STRIP SHALL BE PROVIDED. I USED FOR SUCH PURPOSES, ROLLING TO FILL THE VOIDS B OWNER'S REPRESENTATIVE,
- INSTALLED SOD AS ALLOWED 5. DURING DELIVERY, PRIOR TO, EXCESSIVE DRYING AND UNNE SWEATING OR EXCESSIVE HE
- 6. LAWN MAINTENANCE a. WITHIN THE CONTRACT LIMIT
- RESPONSIBLE FOR THE REPAI ACCEPTANCE BY THE OWNER REGRADING IF NECESSARY).

- TO AND UPON ACCEPTANCE, RESTRICTIONS AS SET FORTH Q. CLEANUP
- UPON COMPLETION OF ALL PLANT DEBRIS RESULTING FROM HIS WO APPROVED BY THE OWNER'S REPI
- R. PLANT MATERIAL MAINTENANCE ALL PLANTS AND PLANTING INCLU **OPERATIONS (SUCH AS RE-STAKI)**
- S. FINAL INSPECTION AND ACCEPT FINAL INSPECTION AT THE END OF TO THIS CONTRACT. ANY REPLAC LANDSCAPE ARCHITECT OR OWNE ACCEPTANCE HEREIN DESCRIBED
- T. WARRANTY 1. THE LIFE AND SATISFACTORY WARRANTED BY THE CONTRA
- BY THE OWNER'S REPRESEN
- 2. ANY PLANT NOT FOUND IN A H REPLACED AS SOON AS WEAT THE PLANT LIST. THEY SHALL
- IN THE EVENT THE OWNER DO SHOULD VISIT THE PROJECT BEING PERFORMED BY THE C WHICH THREATEN VIGOROUS PERIOD OF TWELVE (12) MONT

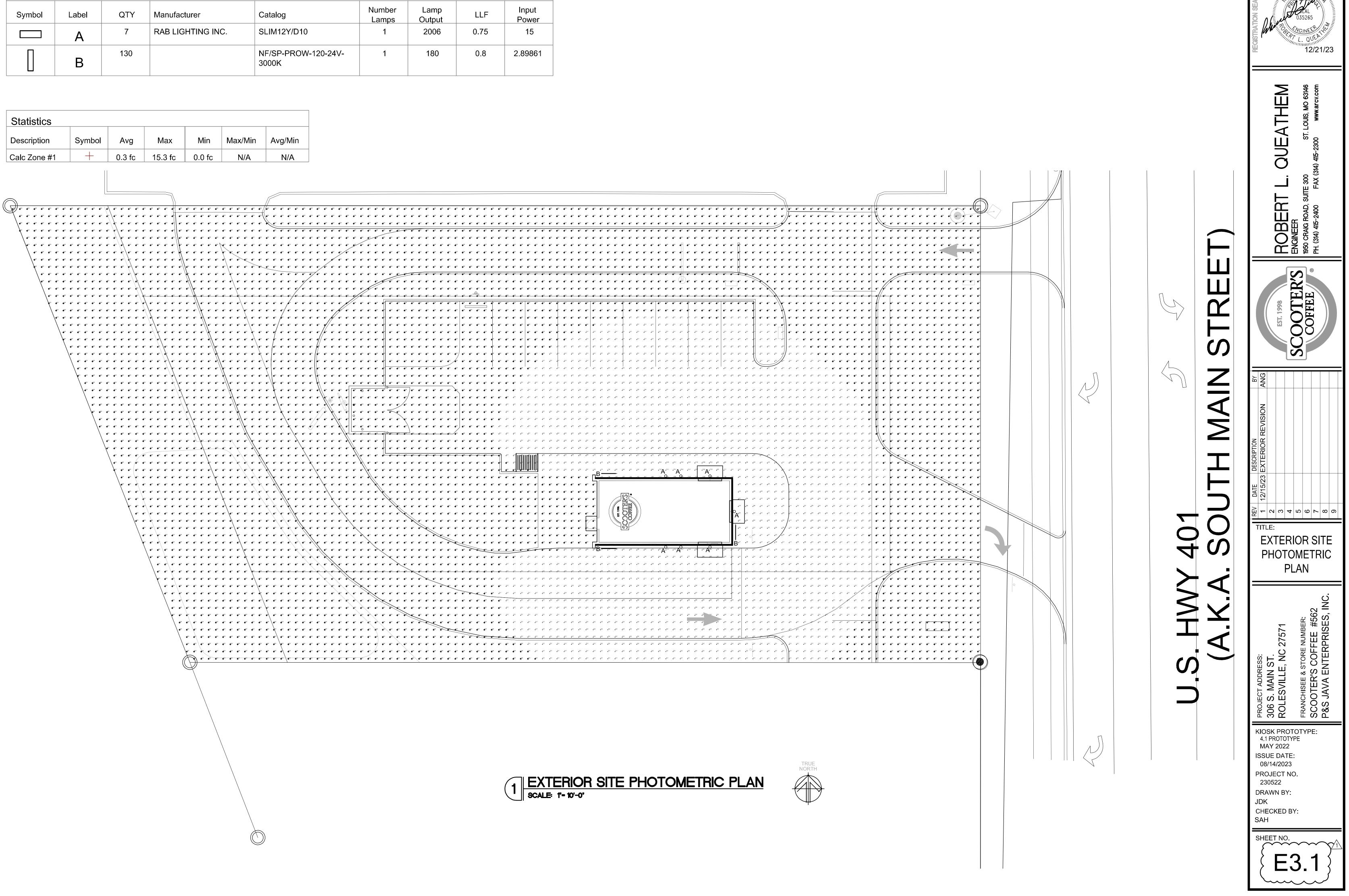
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2. ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS BY MEANS OF A SOD CUTTER TO A DEPTH OF THREE (3) INCHES, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE	
 FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE. PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY. 	s ENTS
4. SODDING	AN COMMENTS REVISIONS
 a. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE. b. THE SOD SHALL BE CERTIFIED TO MEET STATE REQUIREMENTS & SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND. 	TOWN
c. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.	Ro. 1 2 2 3 4 5 6 1
 DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE. LAWN MAINTENANCE 	919-677-2050 27601
 a. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY). 	, INC. 0 FAX:
b. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY. CLEANUP	ASSOCIA E 600, RA
UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.	OM P OM P
PLANT MATERIAL MAINTENANCE ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.	© 2023 KIMLEY-HORN.C
FINAL INSPECTION AND ACCEPTANCE OF WORK FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED. WARRANTY	#F-0102 WWW
 THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED (INCLUDING SOD) BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. 	THUM CARO
 ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE. 	KHA PROJECT KHA PROJECT RHA PROJECT Date Date Date Date Date 10/31/2023 Scale As Shown Designed by Date Drawn BY JAA CHECKED BY CHECKED BY
	NOTES
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Call before you dig

SHEET NUMBER

Schedule	Schedule								
Symbol	Label	QTY	Manufacturer	Catalog	Number Lamps	Lamp Output	LLF	Input Power	
	A	7	RAB LIGHTING INC.	SLIM12Y/D10	1	2006	0.75	15	
	В	130		NF/SP-PROW-120-24V- 3000K	1	180	0.8	2.89861	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	0.3 fc	15.3 fc	0.0 fc	N/A	N/A



			SUUL	TER'S COFFEE LIGHT	ING SCHE						
	FIXTURE INFORMATION LAMP(S) ELECTRICAL CHARACTERISTICS						RISTICS	-			
TAG	QTY.	MANUFACTURE	DESCRIPTION	MODEL NUMBER	MOUNTIN G	QTY.	VOLTS	WATTS	LAMP BASE TYPE	DIMMER/ TYPE	NOTES
А	7	RAB	EXTERIOR WALL SCONCE	SLIM12Y	WALL	1	120	12	INTEGRATED	0-10V (120V/277V)	
A2	0	RAB	EXTERIOR WALL SCONCE	SLIM18Y	WALL	1	120	18	INTEGRATED	0-10V (120V/277V)	
В	131'	NOVA FLEX	LED STRIP LIGHT	NF/SP-PROW-120-24V- 3000K	SURFACE	1	120	2.9W/FT	INTEGRATED	$10_{-}10V$	MOUNT IN CHANNEL WITH SOLID LENS FOR 50% LIGHT TRANSMISSIO
EM1	4	BEST LIGHTING	MR-16 SEMI-RECESSED THERMOPLASTIC EMERGENCY UNIT.	RMR-16-LED	WALL	1	120	(2) 3.3W	MR-16	N/A	90mmin: Endergency Battery Backup Minimum
EM2	1	BEST LIGHTING	LED DECORATIVE OUTDOOR DIE-CAST AC/EMERGENCY UNIT.	DBEL-ACEM-HL-B-SDI-CW- PC	WALL	1	120	3	INTEGRATED	N/A	90min. Emergency Battery Backup Minimum
T1	8	AEL	LED 2x4	CB2435MM	RECESSED	1	120/277	40	INTEGRATED	N/A	
EX1	1	BEST LIGHTING	LED EXIT SIGN/EMERGENCY UNIT COMBO	LEDCXTEU-2-R-W	CEILING	1	120/277	3	INTEGRATED	N/A	90min. Emergency Battery Backup Minimum
FL	2	KITCHLER	GROUND MOUNT LED FLAG POLE LIGHT FIXTURE	NSP 10 TO 15 - 16209	STANCHIO N GROUND	1	120/277	3	INTEGRATED	N/A	
PL	SEE NOTE	LITHONIA LIGHTING	LED POLE LIGHT FIXTURE w/FULL CUT-OFF SHIELDING	KAD LED 60C 700 40K R4 MVOLT	POLE	1	120/277	-	INTEGRATED	N/A	COORDINATE WITH CIVIL AND SITE WORK FOR LOT LIGHTING
NOTES											
1			H LIGHTING MANUFACTURE TO PROVIDE U.L. LABELING	G TO REFLECT ACTUAL LAMP \	NATTAGE USE	ED, NOT	MAXIMU	JM FIXTU	RE WATTAGE		
2		DENOTES EXISTING TO	D IN AN INSULATED CEILING SHALL BE I.C. RATED								
0	2/101	DENOTED EXISTING TO									

LIGHTING CONTROL DEVICE SCHEDULE							
CALLOUT	<u>SYMBOL</u>	MANUFACTURE MODEL NUMBER	UNOBSTRUCTED RATED COVERAGE	MOUNTING	WATTAGE VOLTAGE	<u>TIME</u> DELAY	DESCRIPTION
OCCUPANCY SENSOR SWITCH	\$ ^{os}	nLIGHT WSX-PDT		WALL	LINE		LINE VOLTAGE SWITCH DUAL TECHNOLOGY SENSOR
DIMMER SWITCH	\$ ^D	ACUITY CONTROLS sPODMRD		WALL	LINE		LINE VOLTAGE PUSH BUTTON SWITCH POD ON/OFF
TOGGLE SWITCH	\$	HUBBEL #1221		WALL	LOW		

NOTES:

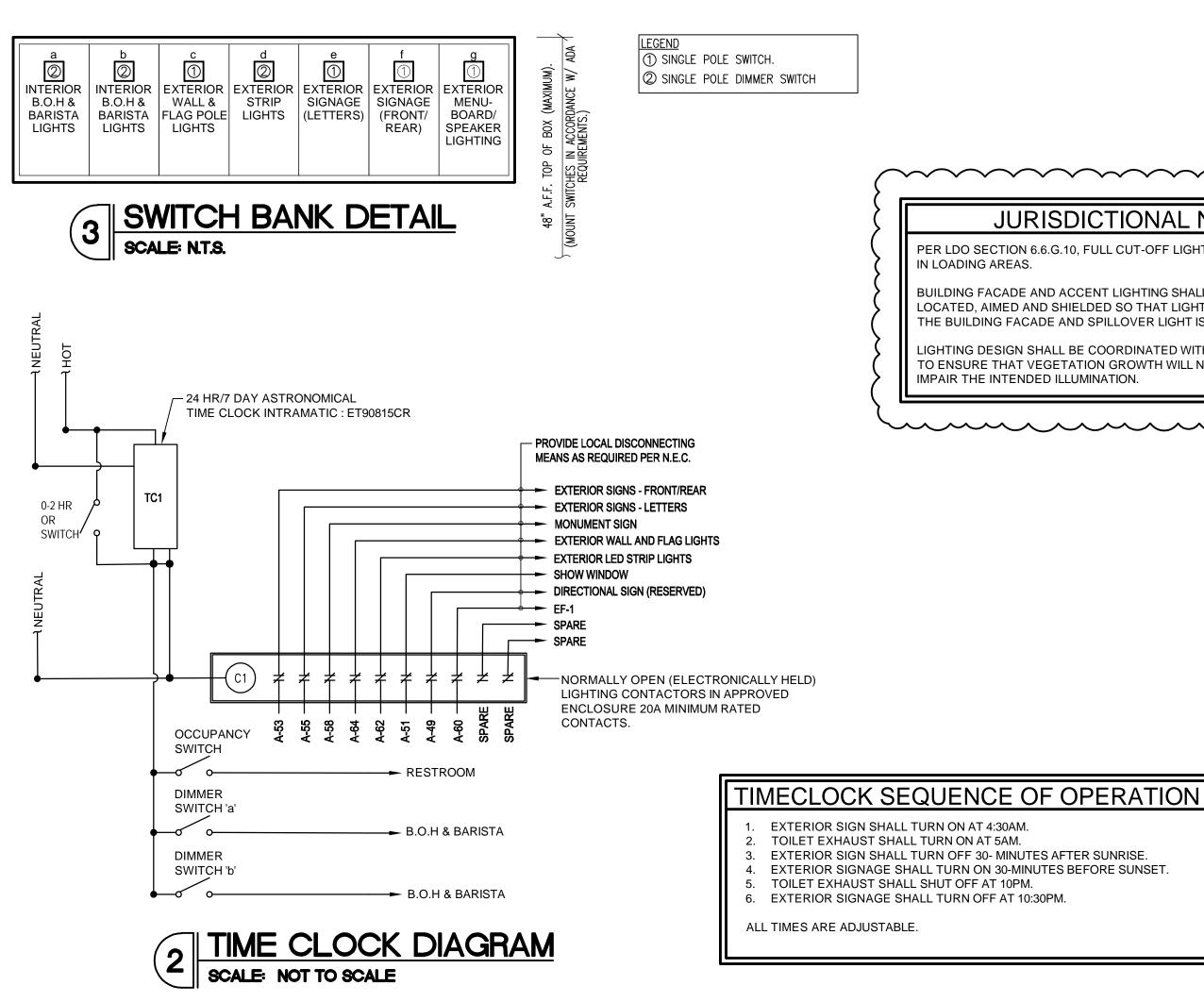
1. SENSOR REQUIRES POWER PACK (INSTALL IN ACCESSIBLE LOCATION)

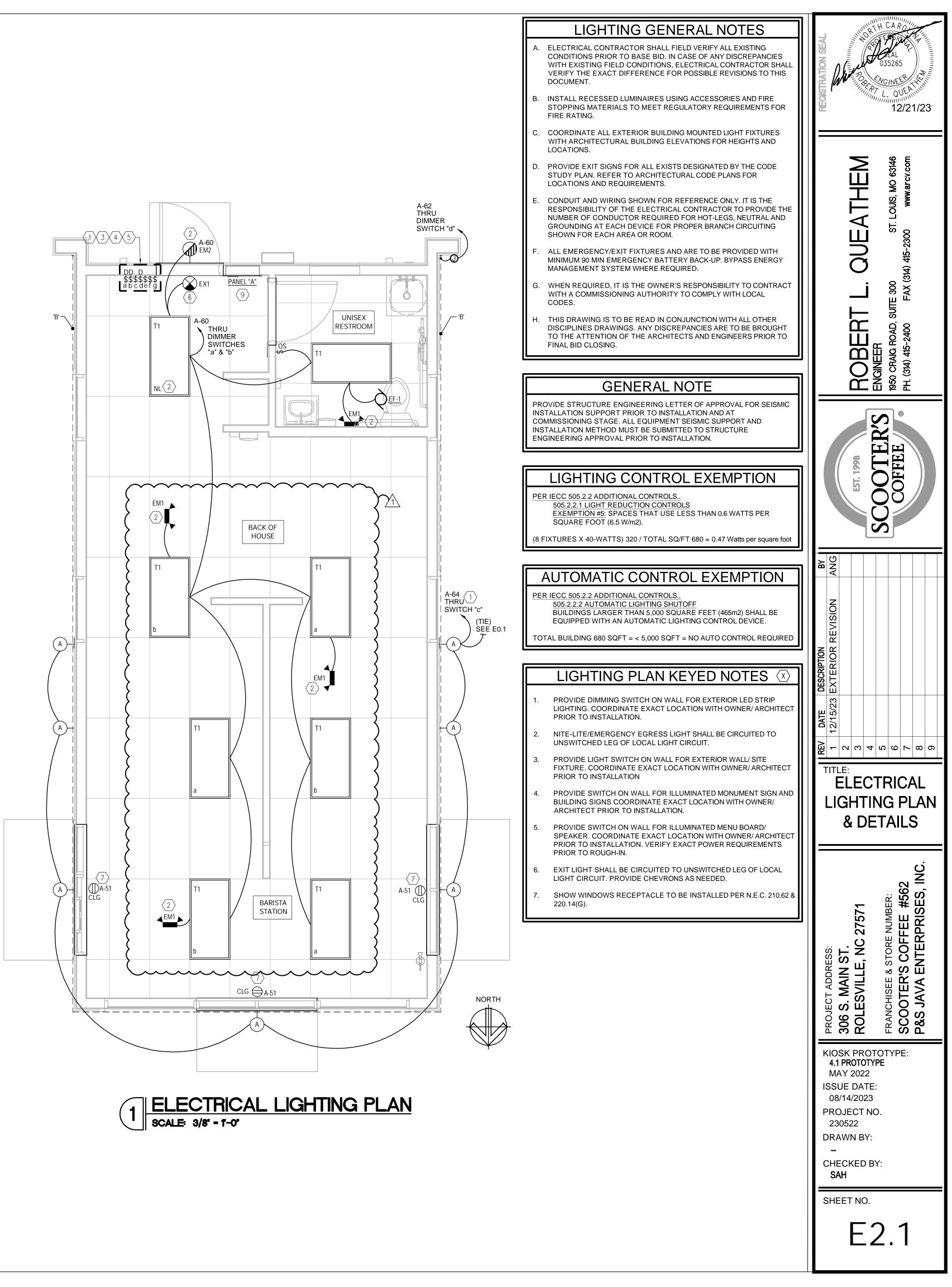
2. SWIVEL MOUNTING BRACKET INCLUDED 3. ELECTRICAL CONTRACTOR SHALL COORDINATE COMPATIBILITY OF LIGHT FIXTURES AND LIGHTING CONTROL DEVICES/

SYSTEM WITH CONTROL SYSTEM SUPPLIER PRIOR TO ORDERING/ ROUGH-IN

4. VERIFY POWER REQUIREMENT FOR CEILING SENSOR. IF IT REQUIRES CONTINUOUS HOT, PULL UNDIMMED WIRE FROM AHEAD OF DIMMER SWITCH TO CEILING SENSOR FOR SENSOR OPERATING, AND RUN DIMMED LINE THROUGH SENSOR FOR

ON/OFF CONTROL. CONFIRM WITH VENDOR PRIOR TO ORDERING SENSOR TO ENSURE COMPATIBILITY.





JURISDICTIONAL NOTE PER LDO SECTION 6.6.G.10, FULL CUT-OFF LIGHTING SHALL BE PROVIDED BUILDING FACADE AND ACCENT LIGHTING SHALL BE SELECTED, LOCATED, AIMED AND SHIELDED SO THAT LIGHT IS DIRECTED ONLY ONTO THE BUILDING FACADE AND SPILLOVER LIGHT IS NEGLIGIBLE. IGHTING DESIGN SHALL BE COORDINATED WITH THE LANDSCAPE PLAN O ENSURE THAT VEGETATION GROWTH WILL NOT SUBSTANTIALLY MPAIR THE INTENDED ILLUMINATION.



CARBON LEDGESTONE



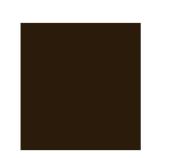
STUCCO PAINTED SHERWIN WILLIAMS "SKYLINE STEEL"



FIBERON COMPOSITE CLADDING

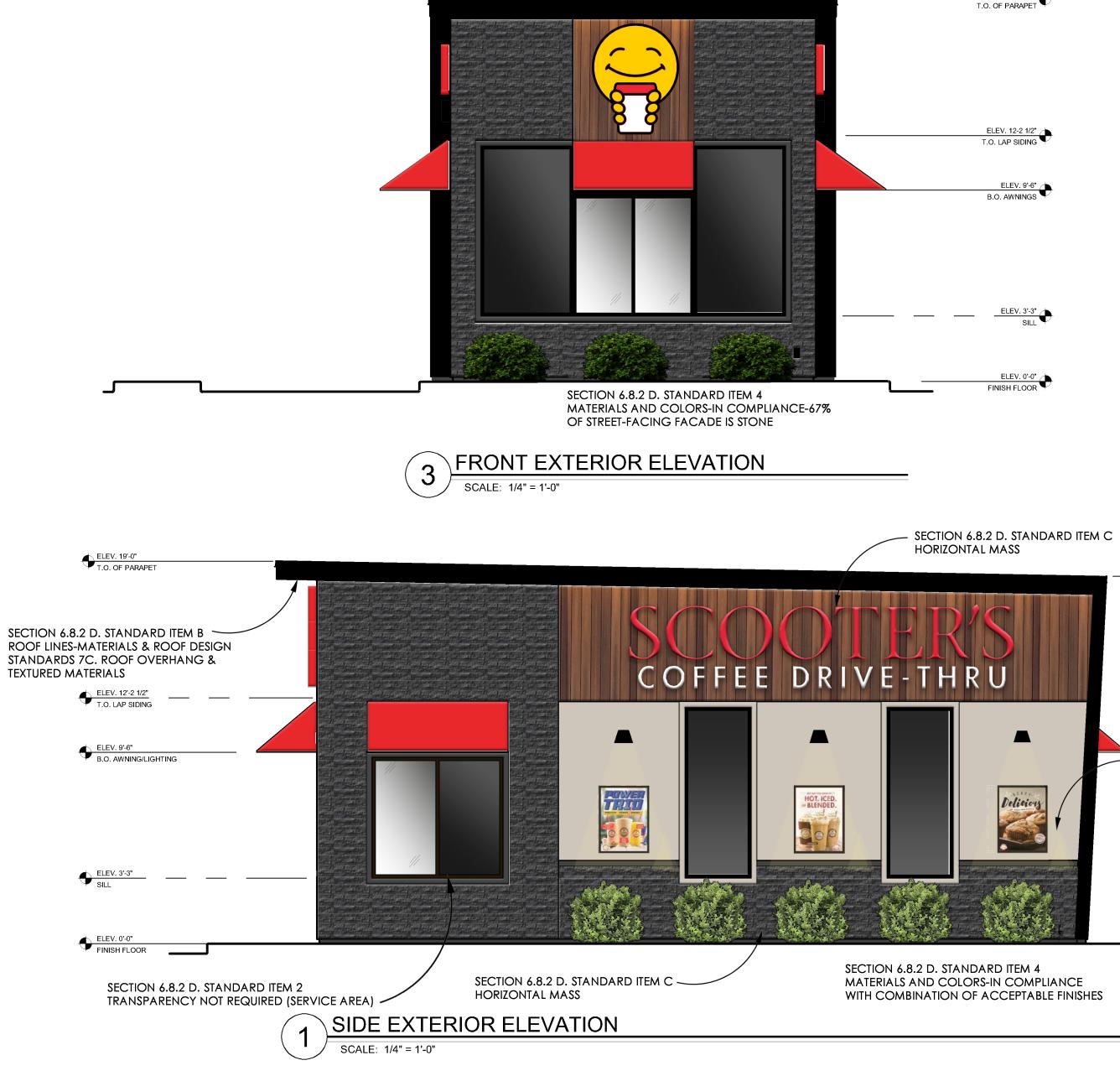


SCOOTER'S BRAND **RED COLOR**



STUCCO PAINTED SHERWIN WILLIAMS "INKWELL"

DARK BRONZE ALUMINUM







ELEV. 19'-0"

ELEV. 18'-3" T.O. PARAPET

-SECTION 6.8.2 D. STANDARD ITEM 3 BUILDING BLANK WALL AREA-IN COMPLIANCE BY USING SUBSTANTIAL MATERIAL CHANGES, FENESTRATION & STUCCO FINISH

2 BACK EXTERIOR ELEVATION SCALE: 1/4" = 1'-0"

> MATERIALPERCENTAGES DRIVE THRU SIDE EXTERIOR ELEVATION 723 SQ. FT. TOTAL WALL AREA 0 SQ. FT. STUCCO - INKWELL STUCCO - SKYLINE 1441 SQ. FT. STEEL 252 SQ. FT CARBON LEDGE STONE FIBERON COMPOSITE 147 SQ. FT. CLADDING 95 SQ. FT FENESTRATION 74 SQ. FT. TRIMS

MATERIALP	ERCENTAC	JES
BACK EXTER	RIOR ELEVATIC	N
TOTAL WALL AREA	357 SQ. FT.	1
STUCCO - INKWELL	250 SQ. FT.	
STUCCO - SKYLINE STEEL	0 SQ. FT.	
CARBON LEDGE STONE	0 SQ. FT.	
FIBERON COMPOSITE CLADDING	0 SQ. FT.	
DOOR	24 SQ. FT.	
TRIMS	83 SQ. FT.	



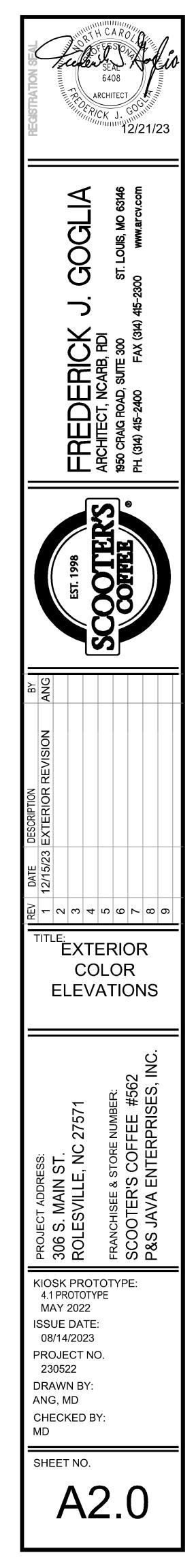
SECTION 6.8.2 D. STANDARD ITEM 4 MATERIALS AND COLORS-IN COMPLIANCE WITH COMBINATION OF ACCEPTABLE FINISHES

100% 199% 20% 13% 10%

23%

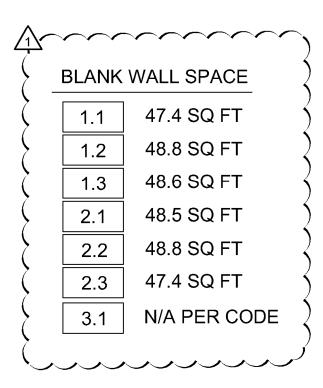
MATERIALPERCENTAGES					
FRONT EXTE	RIOR ELEVATION	NC			
TOTAL WALL AREA	347 SQ. FT.	100%			
STUCCO - INKWELL	0 SQ. FT.	0%			
STUCCO - SKYLINE STEEL	0 SQ. FT.	0%			
CARBON LEDGE STONE	162 SQ. FT.	47%			
FIBERON COMPOSITE CLADDING	36 SQ. FT.	10%			
FENESTRATION	113 SQ. FT.	33%			
TRIMS	36 SQ. FT.	10%			

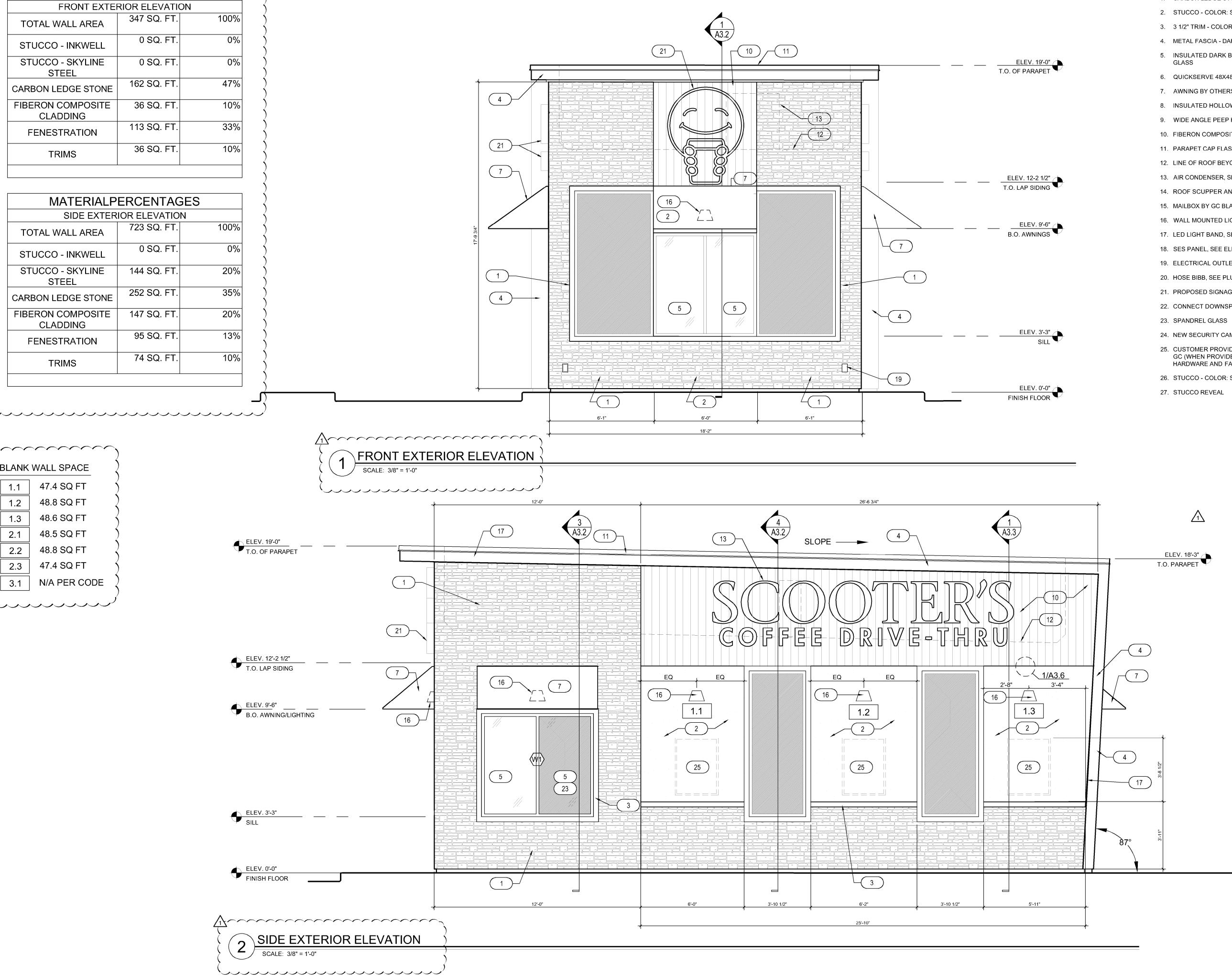
MATERIALP	ERCENTAC	SES
SIDE EXTER	IOR ELEVATIO	N
TOTAL WALL AREA	723 SQ. FT.	100%
STUCCO - INKWELL	0 SQ. FT.	0%
STUCCO - SKYLINE STEEL	144 SQ. FT.	20%
CARBON LEDGE STONE	252 SQ. FT.	35%
FIBERON COMPOSITE CLADDING	147 SQ. FT.	20%
FENESTRATION	95 SQ. FT.	13%
TRIMS	74 SQ. FT.	10%



MATERIALP	ERCENTAGES	6
FRONT EXTER	RIOR ELEVATION	
TOTAL WALL AREA	347 SQ. FT.	100%
STUCCO - INKWELL	0 SQ. FT.	0%
STUCCO - SKYLINE STEEL	0 SQ. FT.	0%
CARBON LEDGE STONE	162 SQ. FT.	47%
FIBERON COMPOSITE CLADDING	36 SQ. FT.	10%
FENESTRATION	113 SQ. FT.	33%
TRIMS	36 SQ. FT.	10%

MATERIALPERCENTAGES					
SIDE EXTER	IOR ELEVATIO	N			
TOTAL WALL AREA	723 SQ. FT.	100%			
STUCCO - INKWELL	0 SQ. FT.	0%			
STUCCO - SKYLINE STEEL	144 SQ. FT.	20%			
CARBON LEDGE STONE	252 SQ. FT.	35%			
FIBERON COMPOSITE CLADDING	147 SQ. FT.	20%			
FENESTRATION	95 SQ. FT.	13%			
TRIMS	74 SQ. FT.	10%			

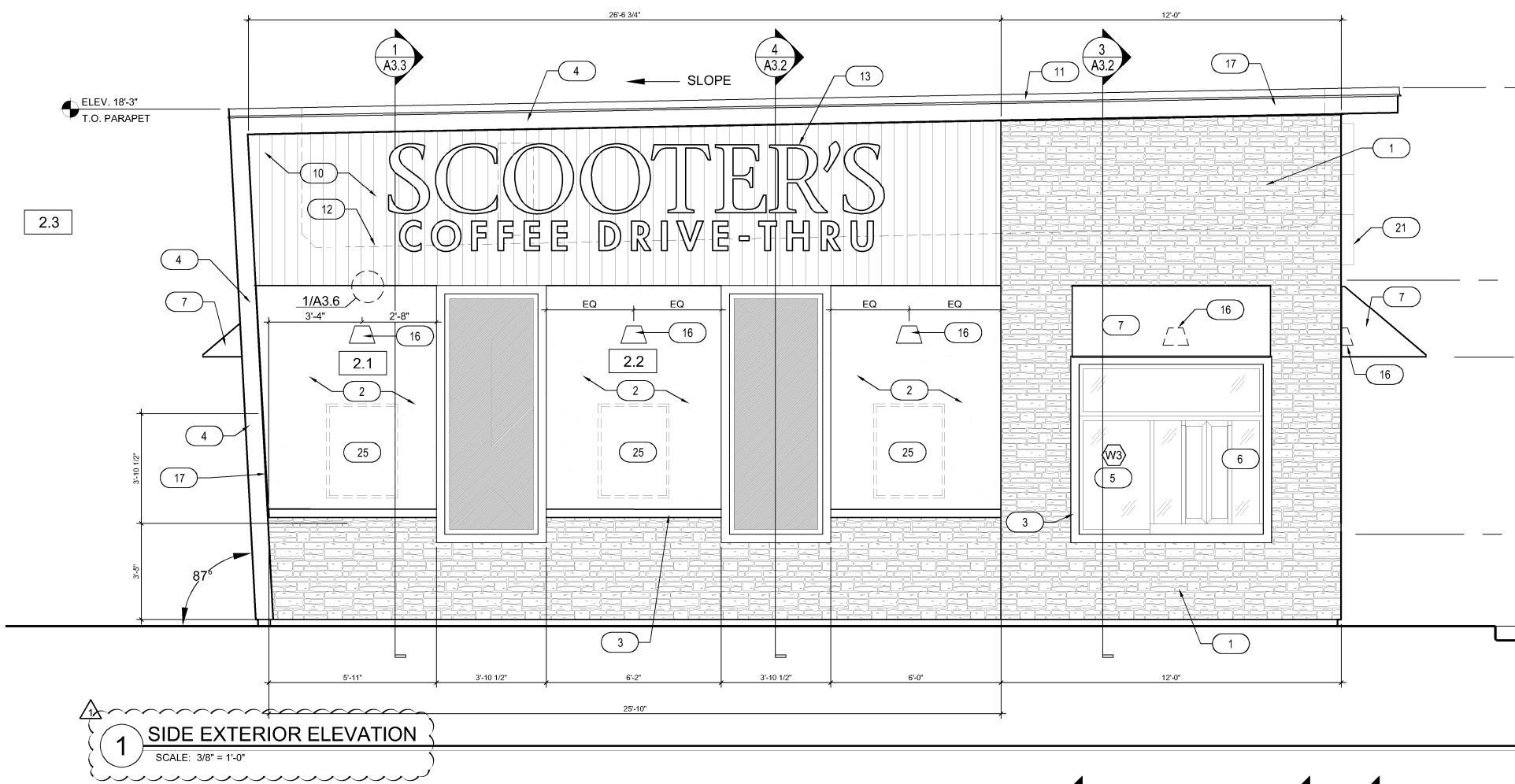




KEYNOTES

- 1. CARBON LEDGE STONE BY REALSTONE SYSTEMS
- 2. STUCCO COLOR: SHERWIN WILLIAMS SW1015 SKYLINE STEEL
- 3. 3 1/2" TRIM COLOR: SHERWIN WILLIAMS SW2848 ROYCROFT PEWTER
- 4. METAL FASCIA DARK BRONZE
- 5. INSULATED DARK BRONZE ALUMINUM WINDOWS WITH DUAL PANE TEMPERED
- 6. QUICKSERVE 48X48 WINDOW COLOR: DARK BRONZE
- 7. AWNING BY OTHERS COLOR: RED
- 8. INSULATED HOLLOW METAL DOOR & FRAME; PAINT SHERWIN WILLIAMS SW699
- 9. WIDE ANGLE PEEP HOLE, BY DOOR MANUFACTURER
- 10. FIBERON COMPOSITE CLADDING
- 11. PARAPET CAP FLASHING DARK BRONZE
- 12. LINE OF ROOF BEYOND
- 13. AIR CONDENSER, SEE MECHANICAL DRAWINGS
- 14. ROOF SCUPPER AND DOWNSPOUT, SEE DETAIL 8/A6.3
- 15. MAILBOX BY GC BLACK
- 16. WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- 17. LED LIGHT BAND, SEE ELECTRICAL DRAWINGS
- 18. SES PANEL, SEE ELECTRICAL DRAWINGS
- 19. ELECTRICAL OUTLETS, SEE ELECTRICAL DRAWINGS
- 20. HOSE BIBB, SEE PLUMBING DRAWINGS
- 21. PROPOSED SIGNAGE BY OTHERS, UNDER SEPARATE PERMIT
- 22. CONNECT DOWNSPOUTS TO UNDERGROUND PIPING, REF. CIVIL.
- 24. NEW SECURITY CAMERA
- 25. CUSTOMER PROVIDED SIGN PANELS. PANELS TO BE MOUNTED TO FASCIA BY GC (WHEN PROVIDED) IN CUSTOMER SPECIFIED LOCATION USING PROPER HARDWARE AND FASTENERS (NON-CORROSIVE)
- 26. STUCCO COLOR: SHERWIN WILLIAMS SW6993 INKWELL EGGSHELL FINISH

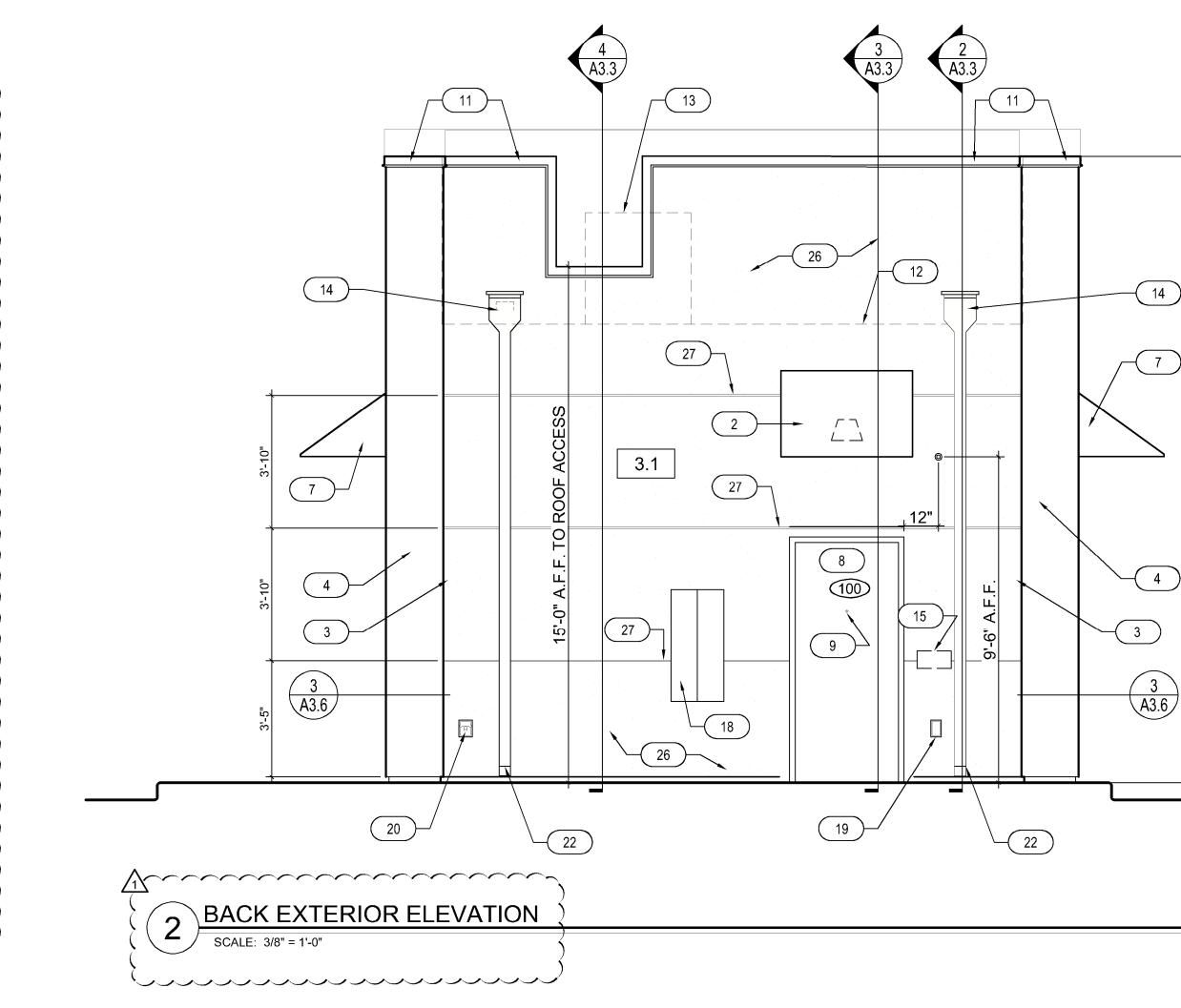
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	REV DATE DESCRIPTION	1 12/15/23 EXTERIOR REVISION	2	3	4	5	Q	7	ω	o	
	EXTERIOR ELEVATIONS										
		PROJECT AUDRESS:	306 S. MAIN ST.	ROLESVILLE. NC 27571			FRANCHISEE & STORE NUMBER.		P&S JAVA ENTERPRISES, INC.	~	
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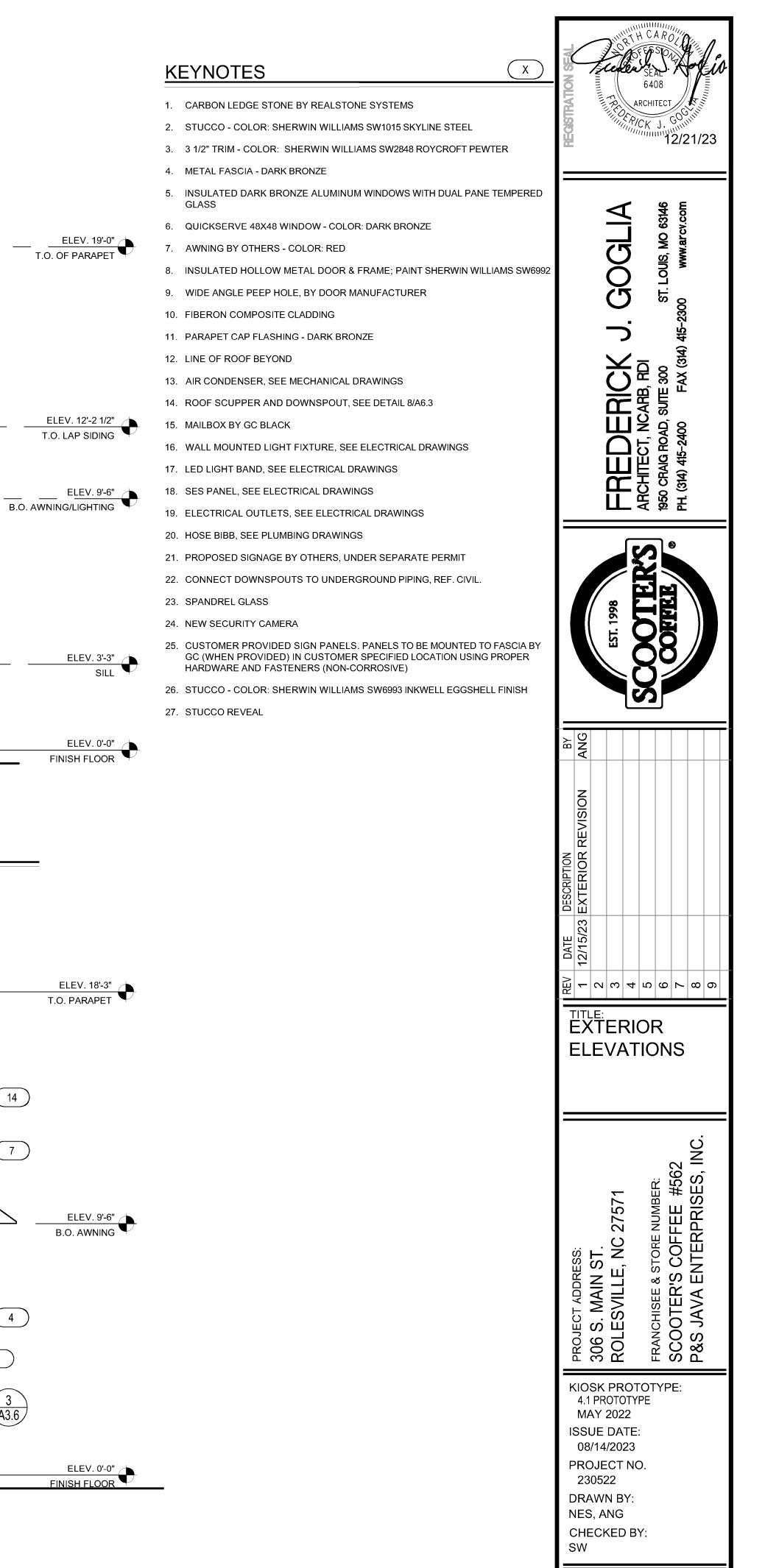


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ζ	1.1	47.4 SQ FT	5
2	1.2	48.8 SQ FT)
2	1.3	48.6 SQ FT	$\left\{ \right\}$
- <u>(</u>	2.1	48.5 SQ FT)
2	2.2	48.8 SQ FT	
ζ	2.3	47.4 SQ FT	Ś
2	3.1	N/A PER CODE)
		· · · · · · · · · · · · · · · · · · ·	/

MATERIALP	ERCENTAGE	S
DRIVE THRU SIDE	EXTERIOR ELEVA	TION
TOTAL WALL AREA	723 SQ. FT.	100%
STUCCO - INKWELL	0 SQ. FT.	0%
STUCCO - SKYLINE STEEL	1441 SQ. FT.	199%
CARBON LEDGE STONE	252 SQ. FT.	35%
FIBERON COMPOSITE CLADDING	147 SQ. FT.	20%
FENESTRATION	95 SQ. FT.	13%
TRIMS	74 SQ. FT.	10%

MATERIALP	ERCENTAGE	ES
BACK EXTER	RIOR ELEVATION	
TOTAL WALL AREA	357 SQ. FT.	100%
STUCCO - INKWELL	250 SQ. FT.	70%
STUCCO - SKYLINE STEEL	0 SQ. FT.	0%
CARBON LEDGE STONE	0 SQ. FT.	0%
FIBERON COMPOSITE CLADDING	0 SQ. FT.	0%
DOOR	24 SQ. FT.	7%
TRIMS	83 SQ. FT.	23%





SHEET NO.

A2.2