

V2-SDP-23-07 -
rcvd 1-2-2024

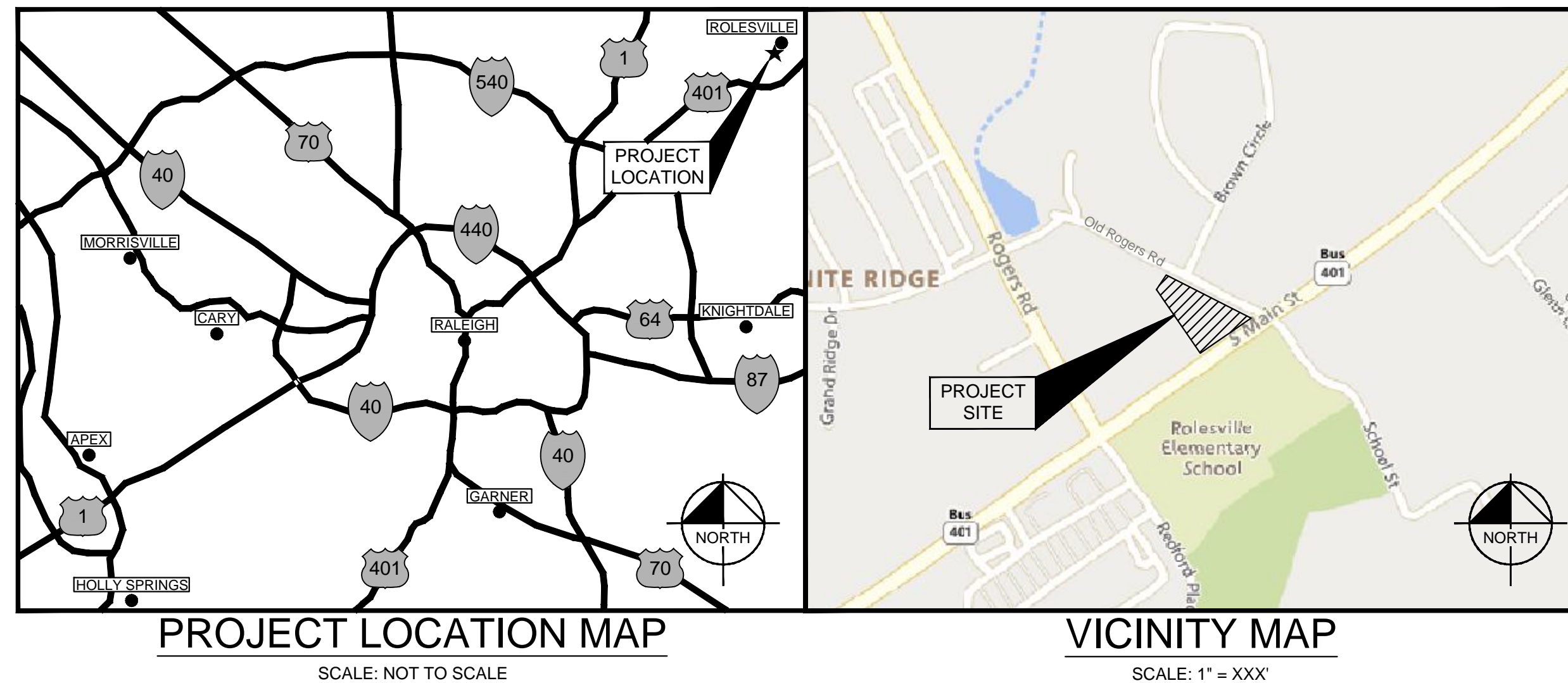
THE LEARNING CENTER ROLESVILLE

302 SOUTH MAIN STREET
ROLESVILLE, NC 27571

A DEVELOPMENT BY:
ROLESVILLE, LLC.

PROJECT NO.: SDP-23-07

SITE DATA TABLE	
PIN:	1759808293
TOTAL SITE AREA:	1.25 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:	8,680 SF
PROPOSED IMPERVIOUS:	34,457 SF
PARKING:	MIN. REQUIRED: (2.5 SPACES/1,000 SF) $\frac{X 10,000 SF}{= 25 SPACES}$ MAX. ALLOWED: (5 SPACES/1,000 SF) $\frac{X 10,000 SF}{= 50 SPACES}$ PROVIDED: 33 SPACES
ACCESSIBLE PARKING:	REQUIRED: 2 SPACES PROVIDED: 2 SPACES
BICYCLE PARKING:	MIN. REQUIRED: (1 SPACE/5,000 SF) $\frac{X 10,000 SF}{= 2 SPACES}$ PROVIDED: 2 SPACES
TREE COVERAGE DATA:	SEE SHEET L1.0
BUILDING HEIGHT:	22'
BUILDING SQUARE FOOTAGE:	10,000 SF
OPEN SPACE: (PER LDO SEC. 6.2.1.D.3)	MIN. REQUIRED: 5% $\frac{X 66,527 SF}{= 3,327 SF}$ PROVIDED: 6,154 SF



PROJECT OWNERS & CONSULTANTS

<p>OWNER/DEVELOPER ROLESVILLE, LLC 11016 RUSHMORE DRIVE, SUITE 160 CHARLOTTE, NORTH CAROLINA 28277 CONTACT: MARLAINE KLINTWORTH PHONE: (919) 868-4472 EMAIL: mvkcommercial@gmail.com</p>	<p>LANDSCAPE ARCHITECT KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE ST., SUITE 600 RALEIGH, NORTH CAROLINA 27601 CONTACT: ADAM FULLERTON, M.L.A., A.S.L.A. PHONE: (919) 653-2937 EMAIL: adam.fullerton@kimley-horn.com</p>
<p>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</p>	<p>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@cnppls.com</p>

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.

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DATE
BY

REVISIONS
No.

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#F-0102 WWW.KIMLEY-HORN.COM PHONE: 919-677-2000 FAX: 919-677-2050
421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601

NOT FOR CONSTRUCTION

PREPARED BY: JAA
DESIGNED BY: JAA
DRAWN BY: JAA
CHECKED BY: COE

KHA PROJECT
013031004

DATE
09/29/2023

SCALE
AS SHOWN

DESIGNED BY
JAA

DRAWN BY
JAA

CHECKED BY
COE

THE LEARNING
CENTER ROLESVILLE

PREPARED FOR
ROLESVILLE, LLC.

TOWN OF ROLESVILLE
NORTH CAROLINA

COVER SHEET

SHEET NUMBER
C0.0



GENERAL NOTES:

- 1. WORK IN THIS PROJECT SHALL CONFORM TO THESE PLANS, THE LATEST EDITIONS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) ROAD AND BRIDGE SPECIFICATIONS...
2. THE TERM "CONTRACTOR" AS REFERENCED HERE-IN SHALL ALSO INCLUDE THE SUBCONTRACTOR OR PRINCIPAL TRADE CONTRACTOR...
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL JOBSITE SAFETY, INCLUDING BUT NOT LIMITED TO TRENCH SAFETY...
4. THE LOCATION AND SIZE OF EXISTING UTILITIES AS SHOWN IS APPROXIMATE ONLY...
5. THE CONTRACTOR SHALL SALVAGE AND PROTECT ALL EXISTING POWER POLES, SIGNS, MANHOLES, TELEPHONE RISERS, WATER VALVES, ETC. DURING ALL CONSTRUCTION PHASES...
6. TRAFFIC CONTROL WITHIN ALL VEHICULAR AREAS IS THE RESPONSIBILITY OF THE CONTRACTOR...
7. 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...
8. CONSTRUCTION STAKEOUT FOR THIS PROJECT SHALL BE PER A DIGITAL (CAD) FILE PROVIDED BY THE ENGINEER...
9. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION...
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...
14. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NC DOT AND TOWN OF ROLESVILLE STANDARDS, SPECIFICATIONS, & DETAILS IF APPLICABLE.

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

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

BACKFLOW PREVENTION:

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

CONSTRUCTION NOTES

- 1. THE CONTRACTOR SHALL CONDUCT THE WORK IN A SAFE MANNER AND WITH A MINIMUM AMOUNT OF INCONVENIENCE TO TRAFFIC.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SHALL ADHERE TO THE PROVISIONS OF THE MUTCD (MOST CURRENT EDITION).
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 EASEMENTS ON THE JOB SITE AT ALL TIMES.
5. THE CONTRACTOR SHALL REPAIR ALL DRIVEWAYS, DRIVEWAY PIPES, CURB AND GUTTER, SIDEWALKS AND STREET TO EXISTING CONDITION OR BETTER.

PAVING/CURBING

- 1. WHERE PROPOSED CURB AND GUTTER TIES TO EXISTING CURB OR CURB AND GUTTER, A TRANSITION OF 10' SHALL BE MADE TO CONFORM TO THE EXISTING HEIGHTS AND SHAPES.
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 APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
6. ALL CURB JOINTS SHALL EXTEND THROUGH THE CURB. MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS IS 1.5 FEET. ALL JOINTS SHALL BE SEALED WITH JOINT SEALANT.
7. 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 AGENCY 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 STRINGENT.
8. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES ON PUBLIC STREETS SHALL CONFORM TO MUTCD, NCDOT, AND TOWN OF ROLESVILLE STANDARDS.

STORM DRAINAGE

- 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.
2. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.
3. THE TOWN OF ROLESVILLE INSPECTOR SHALL INSPECT ALL "PUBLIC" CONSTRUCTION. THE CONTRACTOR'S PRICE SHALL INCLUDE ALL INSPECTION FEES.
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 SEWERS TO MATCH THE LOCATIONS OF THESE EXISTING FEATURES.
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 TOWN OF ROLESVILLE AND/OR N.C.D.O.T. STANDARDS AND SPECIFICATIONS.
3. 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 LINE, FERTILIZER AND SEEDING RATES.
9. CONSULT SAEC 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

Table with columns: DATE, TYPE, PLANTING RATE. Rows include SHOULDERS, SIDE DITCHES, SLOPES (MAX 3:1) and SLOPES (3:1 TO 2:1) with specific dates and plant types like TALL FESCUE, SERICEA LESPEDEZA, etc.

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 VEGETATION. DO NOT ALLOW TEMPORARY COVER TO 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

EROSION CONTROL NOTES

- 1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL HANDBOOK.
2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN THROUGHOUT THE PROJECT CONSTRUCTION ALL EROSION CONTROL MEASURES SHOWN WITHIN THESE PLANS IN ACCORDANCE WITH APPLICABLE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCEQ) AND WAKE COUNTY EROSION AND SEDIMENT CONTROL REGULATIONS.
3. ALL CONSTRUCTION WORK SHALL BE IN COMPLIANCE WITH REGULATIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER GENERAL PERMIT.
4. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO CLEARING AND/OR LAND DISTURBANCE.
5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH THE NCDENR EROSION CONTROL INSPECTOR SO THAT PERIODIC INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES OF CONSTRUCTION.
7. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS. CONTACT PROJECT ENGINEER AND PROJECT EROSION CONTROL INSPECTOR TO ENSURE ADDITIONAL EROSION CONTROL MEASURES ARE INSTALLED PRIOR TO OFF-SITE GRADING.
8. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS, STAGING OR STORAGE AREAS), THE CONTRACTOR SHALL PREPARE AND SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND TO THE WAKE COUNTY FOR APPROVAL. CONTRACTOR SHALL PAY ALL FEES REQUIRED AND SHALL INSTALL NECESSARY MEASURES AT NO SEPARATE PAYMENT. THE CONTRACTOR SHALL PROVIDE THE OWNER AND THE ENGINEER A COPY OF THE AMENDED PERMIT.
9. 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, RESEEDDED, AND MULCHED AS NECESSARY TO OBTAIN A DENSE STAND OF GRASS.
10. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. ALL DISTURBED AREAS WHICH ARE NOT OTHERWISE STABILIZED SHALL BE TOP SOILED AND SEEDDED, TEMPORARILY OR PERMANENTLY IN ACCORDANCE WITH THE NORTH CAROLINA SEDIMENT CONTROL REGULATIONS. PERMANENT SEEDING AND GRASS ESTABLISHMENT IS REQUIRED PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
11. CONTRACTOR TO ENSURE THAT SEDIMENT LADEN RUNOFF DOES NOT LEAVE SITE LIMITS OR ENTER PROTECTED AREAS. ANY SEDIMENT DEPOSITED BEYOND DISTURBED AREA WITHIN SITE LIMITS SHALL BE REMOVED.
12. ROLLED EROSION CONTROL PRODUCTS (RECP'S) SHOULD BE USED TO AID PERMANENT VEGETATED STABILIZATION OF SLOPES GREATER THAN 10' OR GREATER AND WITH MORE THAN 10' OF VERTICAL RELIEF. RECP'S SHOULD ALSO BE USED WHEN MULCH CANNOT BE ADEQUATELY TACKED AND WHERE IMMEDIATE GROUND COVER IS REQUIRED TO PREVENT EROSION DAMAGE.
13. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 21 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
14. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
15. WHEN A CRUSHED STONE CONSTRUCTION ENTRANCE HAS BEEN COVERED WITH SOIL OR HAS BEEN PUSHED INTO THE SOIL BY CONSTRUCTION TRAFFIC, IT SHALL BE REPLACED WITH A DEPTH OF STONE EQUAL TO THAT OF THE ORIGINAL APPLICATION.
16. TEMPORARY CONSTRUCTION ENTRANCES SHALL BE REQUIRED AT ALL CONSTRUCTION STAGING AREA ENTRANCES AND ALL CONSTRUCTION ACCESS LOCATIONS INTO NON-PAVED AREAS. TWO TO THREE INCH STONE SHALL BE USED FOR THE TEMPORARY GRAVEL CONSTRUCTION ENTRANCE.
17. ALL DRAINAGE INLETS SHALL BE PROTECTED FROM SILTATION. INEFFECTIVE PROTECTION DEVICES SHALL BE IMMEDIATELY REPLACED AND THE INLET CLEANED. FLUSHING IS NOT AN ACCEPTABLE METHOD OF CLEANING.
18. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
19. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPLSLOPE LAND DISTURBANCE TAKES PLACE.
20. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.
21. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO AN APPROVED FILTERING DEVICE PRIOR TO DISCHARGE TO RECEIVING OUTLET.
22. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.
23. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED BY CONTRACTOR ONCE STABILIZATION OR A SUFFICIENT GROUND COVER HAS BEEN ESTABLISHED OR AS DIRECTED BY THE ENGINEER. WAKE COUNTY INSPECTOR'S FINAL APPROVAL IS REQUIRED.
24. STABILIZATION MEASURES SHALL BE APPLIED TO STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.
25. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDING UPON FIELD CONDITIONS.
26. LIMITS OF GRADING SHOWN ON THE PLAN ARE MAXIMUM LIMITS FOR EROSION CONTROL PURPOSES ONLY. SURVEYOR TO DETERMINE ACTUAL LIMIT.
27. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE WAKE COUNTY EROSION CONTROL ORDINANCE, AND IS SUBJECT TO A FINE.
28. GRADING MORE THAN 12,000 SF WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE WAKE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.

ABBREVIATIONS

*NOT ALL ABBREVIATIONS MAY BE USED FOR THIS PROJECT.

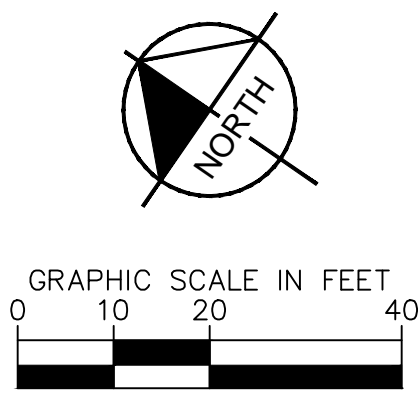
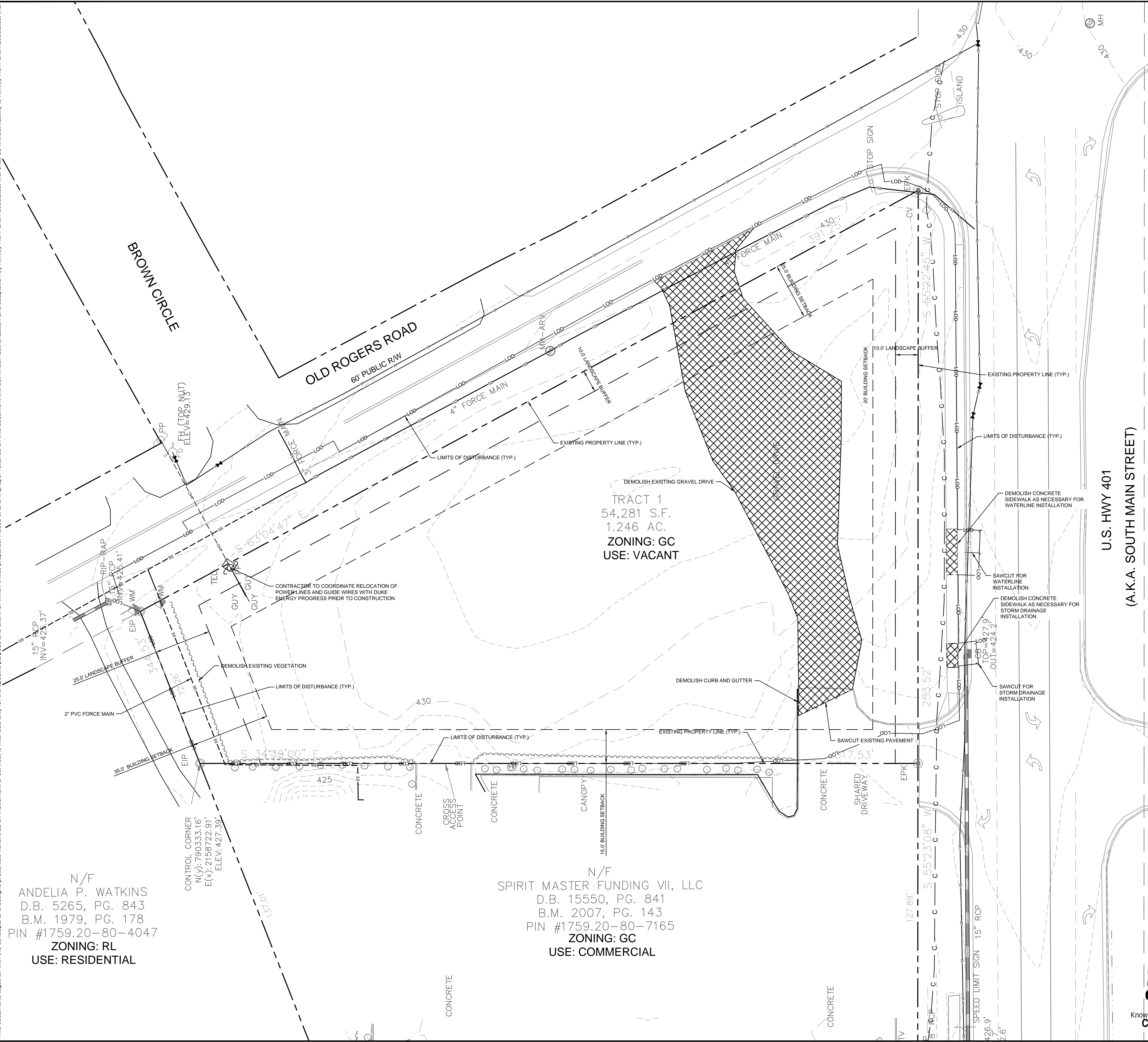
- CB - CATCH BASIN
YI - YARD INLET
CO - CLEAN OUT
DI - DROP INLET
EX - EXISTING
FES - FLARED-END-SECTION
JB - JUNCTION BOX
LOD - LIMITS OF DISTURBANCE
PVC - POLYVINYL CHLORIDE
RCP - REINFORCED CONCRETE PIPE
TYP. - TYPICAL

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.

Plotted By: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE Layout: COL1 GENERAL NOTES January 02, 2024 05:04:51pm K:\RAL_LDEV\013031004_Rolesville_Learning_Center\10 CAD Files\Plan\Sheets\COL1 GENERAL NOTES.dwg
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Project information block including: THE LEARNING CENTER ROLESVILLE, PREPARED FOR ROLESVILLE, LLC., TOWN OF ROLESVILLE, NORTH CAROLINA. Includes SHEET NUMBER C0.1 and SDP-23-07. Features the Kimley-Horn logo and a circular seal for 'NOT FOR CONSTRUCTION'.

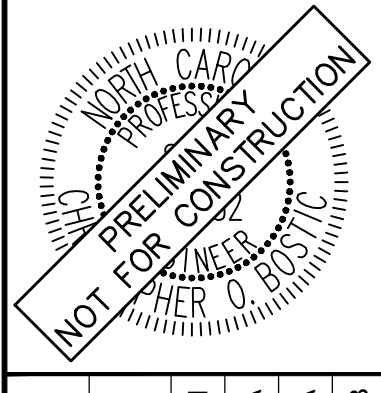
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DEMOLITION LEGEND	
	PROPERTY LINE
	LIMITS OF DISTURBANCE
	DEMOLISH SITE ITEM
	DEMOLISH UNDERGROUND UTILITY
	ABANDON UTILITY IN PLACE
	SAWCUT
	DEMOLISH SITE ITEM / TREE TO BE REMOVED
	BUILDINGS TO BE REMOVED
	SIDEWALK/PAVEMENT/GRAVEL TO BE REMOVED

No.	REVISIONS	DATE	BY

Kimley»Horn
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 WWW.KIMLEY-HORN.COM PHONE: 919-677-2000 FAX: 919-677-2050
 #F-0102 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601



KHA PROJECT	013031004
DATE	09/29/2023
SCALE	AS SHOWN
DESIGNED BY	JAA
DRAWN BY	JAA
CHECKED BY	COB

EXISTING CONDITIONS & DEMOLITION PLAN

THE LEARNING CENTER ROLESVILLE
 PREPARED FOR
ROLESVILLE, LLC.
 TOWN OF ROLESVILLE, NORTH CAROLINA

SURVEY NOTE:
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SDP-23-07

SHEET NUMBER
C1.0

Plotted By: Alexander, Jamal Sheet Title: THE LEARNING CENTER ROLESVILLE Layout: C2.0 SITE PLAN January 02, 2024 08:24:20pm K:\RAL\LEVA\13031004_Rolesville_Learning_Center\T10_CAD\Files\Plan\Sheet\C2.0 SITE PLAN.dwg
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WVP LED
Voltaire Architectural Wall Pack

FEATURES

- Designed to minimize glare
- Available in 1000, 1500, and 2000 lumens
- Available in 100, 150, and 200 watt
- Available in 100, 150, and 200 lumens
- Available in 100, 150, and 200 lumens
- Available in 100, 150, and 200 lumens

INSTALLATION

Mounting height: 10'-0" to 12'-0"

ACCESSORIES

WVP-100, WVP-150, WVP-200

WVP LED
Voltaire Architectural Wall Pack

PERFORMANCE DATA

DESCRIPTION	DEFINITION	UNIT	VALUE	TEST METHOD
WVP-100	1000 LUMENS	LM	1000	LM-79
WVP-150	1500 LUMENS	LM	1500	LM-79
WVP-200	2000 LUMENS	LM	2000	LM-79

INSTALLATION

Mounting height: 10'-0" to 12'-0"

ACCESSORIES

WVP-100, WVP-150, WVP-200

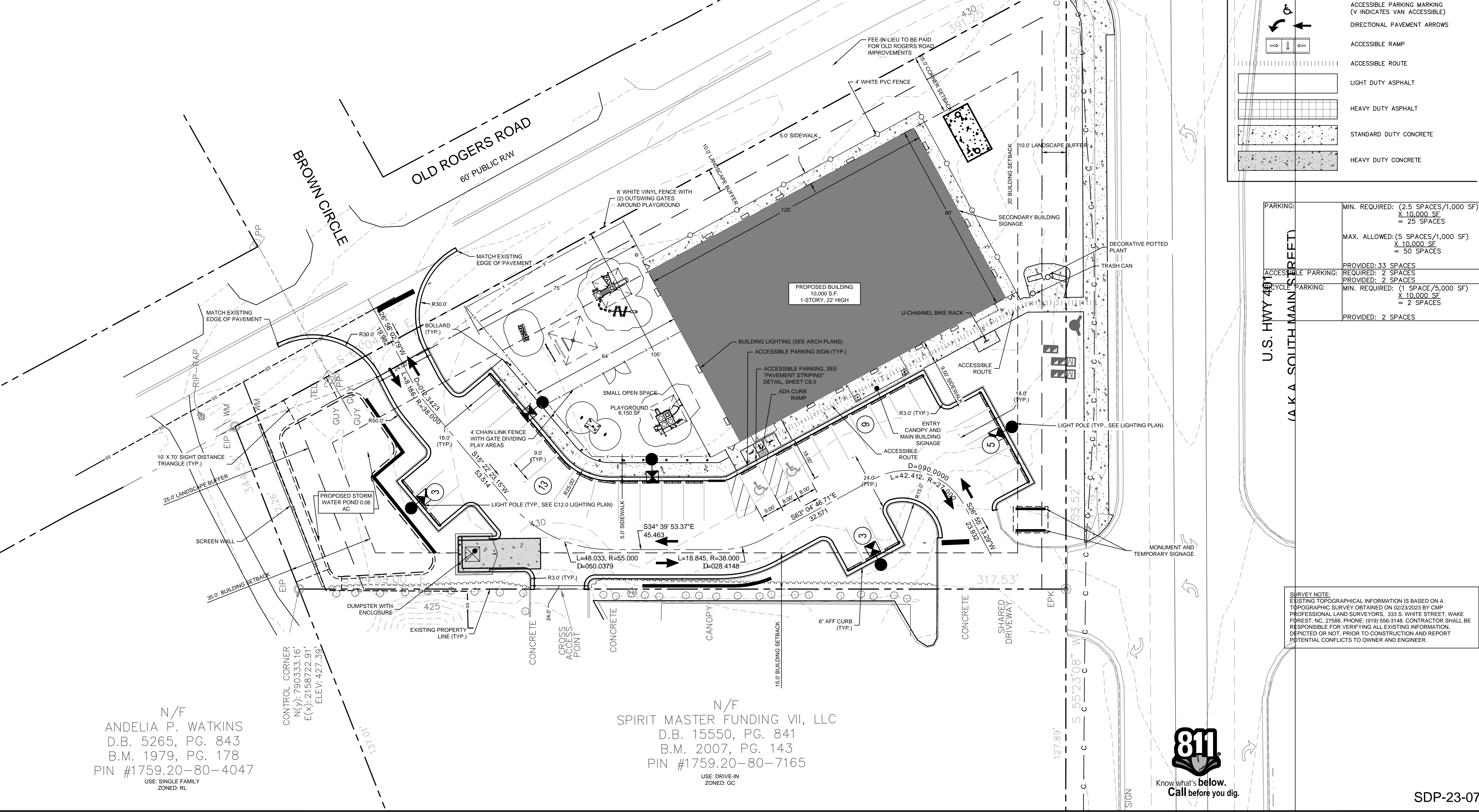
WVP LED
Voltaire Architectural Wall Pack

INSTALLATION

Mounting height: 10'-0" to 12'-0"

ACCESSORIES

WVP-100, WVP-150, WVP-200



SITE LEGEND

- PROPERTY LINE
- EASEMENT LINE
- 6' WHITE VINYL FENCE
- 4' WHITE PVC FENCE
- STANDARD CURB AND GUTTER
- PARKING SPACE COUNT
- SIGN (SEE PLAN)
- LIGHT POLE
- WHEEL STOP
- ACCESSIBLE PARKING MARKING (V INDICATES VAN ACCESSIBLE)
- DIRECTIONAL PAVEMENT ARROWS
- ACCESSIBLE RAMP
- ACCESSIBLE ROUTE
- LIGHT DUTY ASPHALT
- HEAVY DUTY ASPHALT
- STANDARD DUTY CONCRETE
- HEAVY DUTY CONCRETE

PARKING:	MIN. REQUIRED: (2.5 SPACES/1,000 SF) X 10,000 SF = 25 SPACES
ACCESSIBLE PARKING:	PROVIDED: 33 SPACES REQUIRED: 2 SPACES
BIKE PARKING:	MIN. REQUIRED: (1 SPACE/5,000 SF) X 10,000 SF = 2 SPACES PROVIDED: 2 SPACES

SURVEY NOTE:
EXISTING TOPOGRAPHICAL INFORMATION IS BASED ON A TOPOGRAPHIC SURVEY OBTAINED ON 02/23/2023 BY C.M.P. 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.

N/F
ANDELIA P. WATKINS
D.B. 5265, PG. 843
B.M. 1979, PG. 178
PIN #1759.20-80-4047
USE: SINGLE FAMILY
ZONED: RL

N/F
SPIRIT MASTER FUNDING VII, LLC
D.B. 15550, PG. 841
B.M. 2007, PG. 143
PIN #1759.20-80-7165
USE: DRIVE-IN
ZONED: GC



SDP-23-07

THE LEARNING CENTER ROLESVILLE
PREPARED FOR
ROLESVILLE, LLC.
TOWN OF ROLESVILLE
NORTH CAROLINA

SITE PLAN

Kimley»Horn
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#F-0102 WWW.KIMLEY-HORN.COM PHONE: 919-677-2000 FAX: 919-677-2050
421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601

REVISIONS

No.	REVISIONS	DATE	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

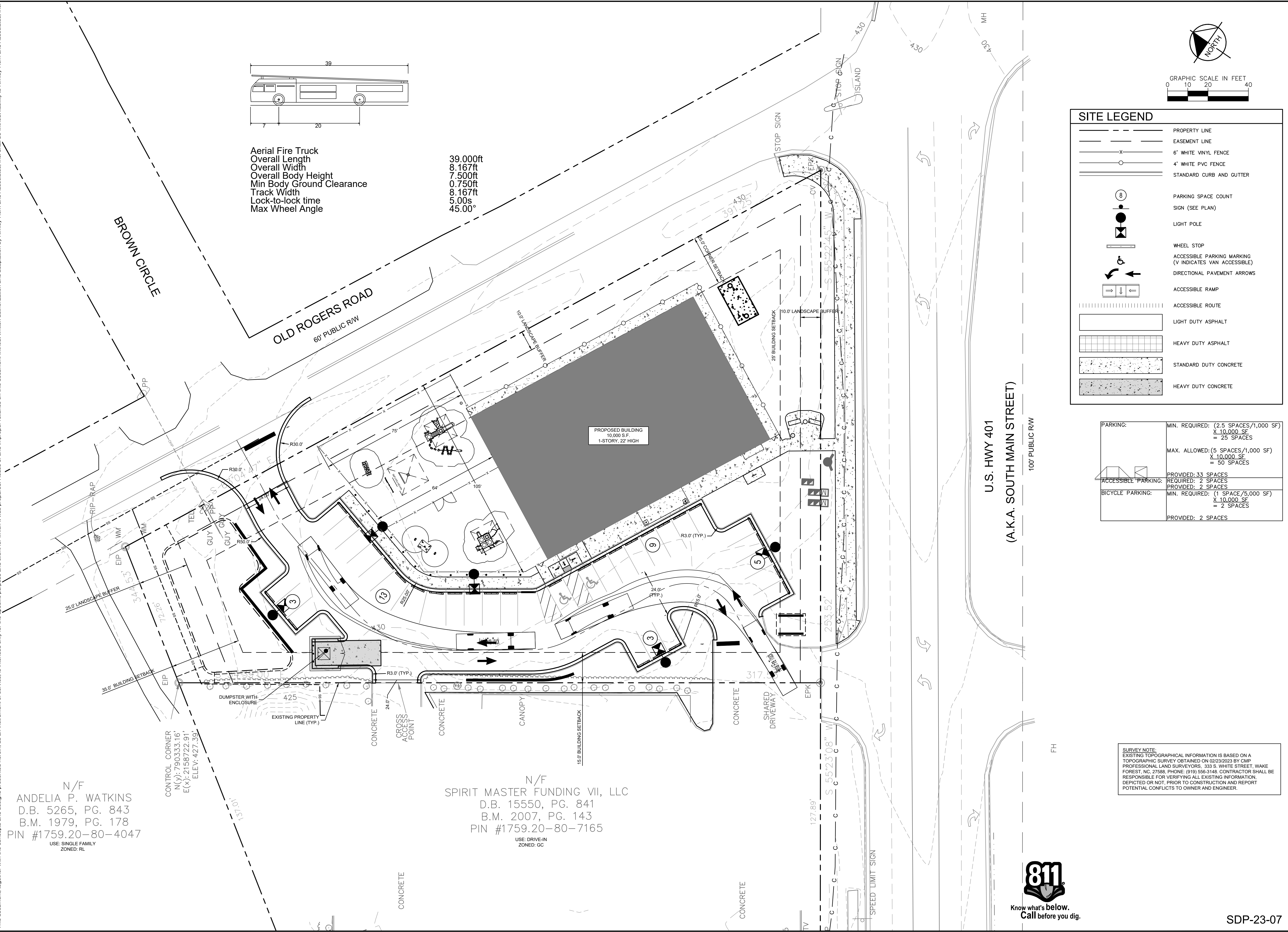
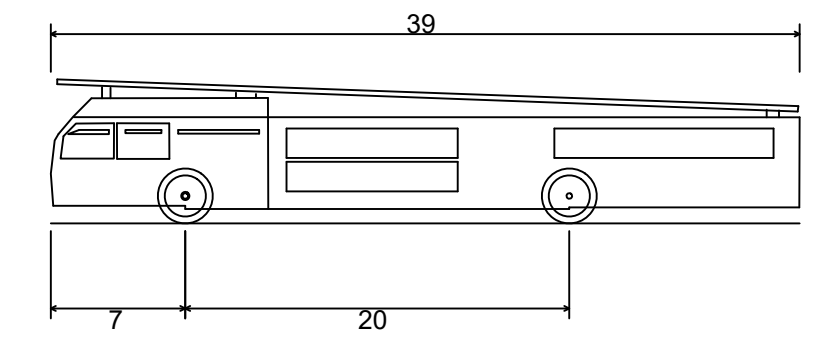
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C2.0

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N/F
 ANDELIA P. WATKINS
 D.B. 5265, PG. 843
 B.M. 1979, PG. 178
 PIN #1759.20-80-4047
 USE: SINGLE FAMILY
 ZONED: RL

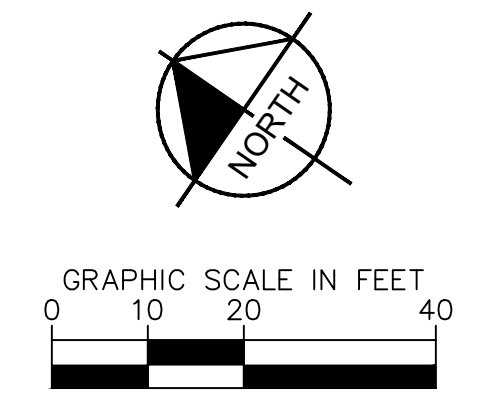
N/F
 SPIRIT MASTER FUNDING VII, LLC
 D.B. 15550, PG. 841
 B.M. 2007, PG. 143
 PIN #1759.20-80-7165
 USE: DRIVE-IN
 ZONED: GC

Aerial Fire Truck
 Overall Length 39.000ft
 Overall Width 8.167ft
 Overall Body Height 7.500ft
 Min Body Ground Clearance 0.750ft
 Track Width 8.167ft
 Lock-to-lock time 5.00s
 Max Wheel Angle 45.00°



SITE LEGEND	
	PROPERTY LINE
	EASEMENT LINE
	6' WHITE VINYL FENCE
	4' WHITE PVC FENCE
	STANDARD CURB AND GUTTER
	PARKING SPACE COUNT
	SIGN (SEE PLAN)
	LIGHT POLE
	WHEEL STOP
	ACCESSIBLE PARKING MARKING (V INDICATES VAN ACCESSIBLE)
	DIRECTIONAL PAVEMENT ARROWS
	ACCESSIBLE RAMP
	ACCESSIBLE ROUTE
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	STANDARD DUTY CONCRETE
	HEAVY DUTY CONCRETE

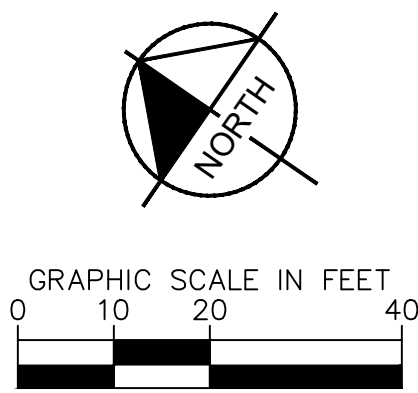
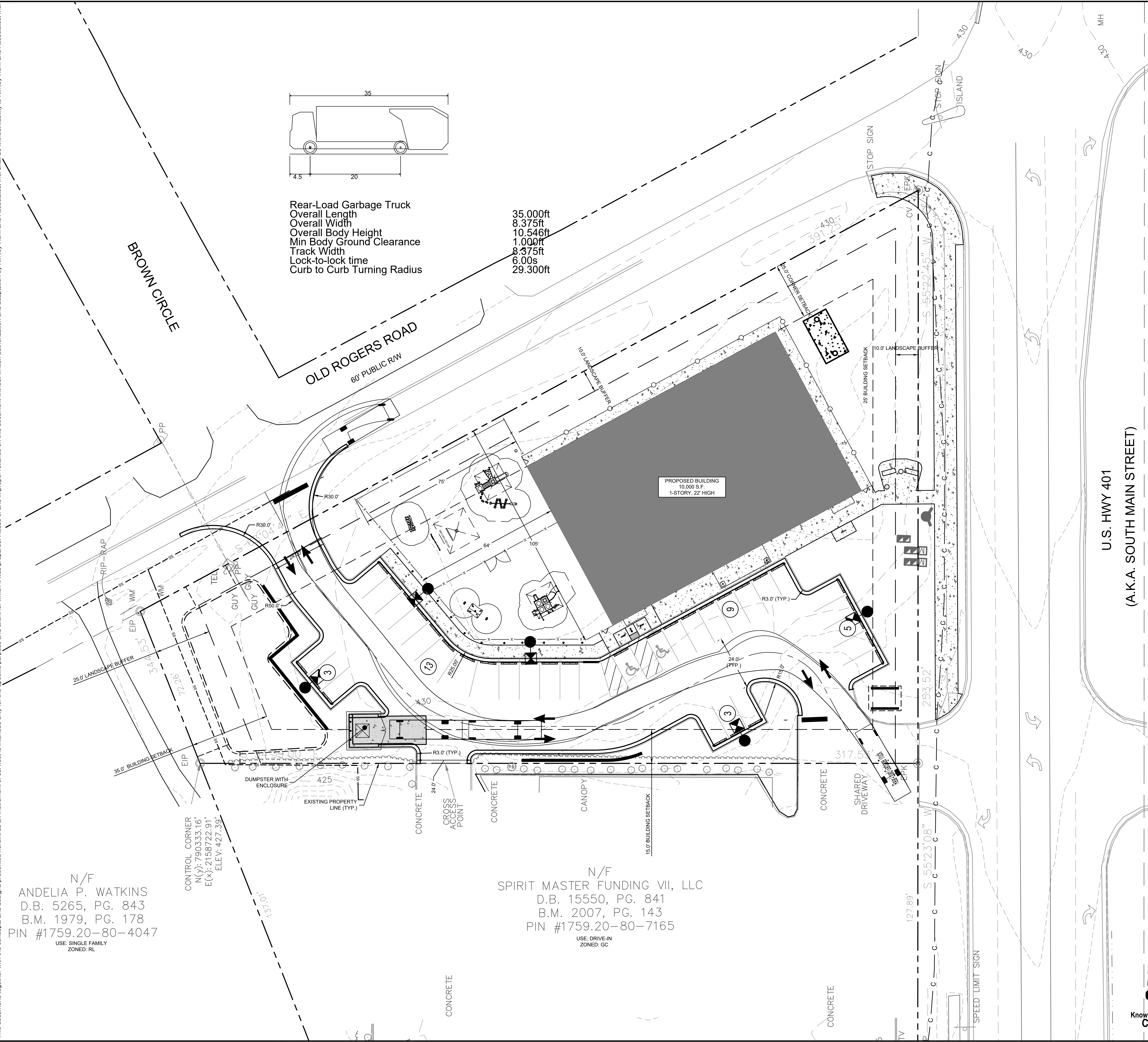
PARKING:	MIN. REQUIRED: (2.5 SPACES/1,000 SF) X 10,000 SF = 25 SPACES
	MAX. ALLOWED: (5 SPACES/1,000 SF) X 10,000 SF = 50 SPACES
ACCESSIBLE PARKING:	PROVIDED: 33 SPACES REQUIRED: 7 SPACES
BICYCLE PARKING:	MIN. REQUIRED: (1 SPACE/5,000 SF) X 10,000 SF = 2 SPACES
	PROVIDED: 2 SPACES



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.

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		7	
THE LEARNING CENTER ROLESVILLE PREPARED FOR ROLESVILLE, LLC. TOWN OF ROLESVILLE NORTH CAROLINA		TRUCK ROUTING EXHIBIT	
SHEET NUMBER C2.1		SDP-23-07	

Plotted By: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE Layout: C2.2 TRUCK ROUTING EXHIBIT January 02, 2024 05:55:29pm K:\RAL_LDEV\013031004_Rolesville_Learning_Center\P10_CAD Files\PlanSheets\C2.1 TRUCK ROUTING EXHIBIT.dwg
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SITE LEGEND	
	PROPERTY LINE
	EASEMENT LINE
	6' WHITE VINYL FENCE
	4' WHITE PVC FENCE
	STANDARD CURB AND GUTTER
	PARKING SPACE COUNT
	SIGN (SEE PLAN)
	LIGHT POLE
	WHEEL STOP
	ACCESSIBLE PARKING MARKING (V INDICATES VAN ACCESSIBLE)
	DIRECTIONAL PAVEMENT ARROWS
	ACCESSIBLE RAMP
	ACCESSIBLE ROUTE
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	STANDARD DUTY CONCRETE
	HEAVY DUTY CONCRETE

PARKING:	MIN. REQUIRED: (2.5 SPACES/1,000 SF) X 10,000 SF = 25 SPACES
	MAX. ALLOWED: (5 SPACES/1,000 SF) X 10,000 SF = 50 SPACES
ACCESSIBLE PARKING:	PROVIDED: 33 SPACES REQUIRED: 7 SPACES
BICYCLE PARKING:	MIN. REQUIRED: (1 SPACE/5,000 SF) X 10,000 SF = 2 SPACES PROVIDED: 2 SPACES

SURVEY NOTE:
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		REVISIONS	DATE
THE LEARNING CENTER ROLESVILLE PREPARED FOR ROLESVILLE, LLC. TOWN OF ROLESVILLE NORTH CAROLINA		TRUCK ROUTING EXHIBIT	
SHEET NUMBER C2.2		SDP-23-07	

Plotted By: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE, Layout: C2.0 SITE PLAN, October 02, 2023 09:41:05pm K:\RAL_L\DEV\13031004_Rolesville_Layout_Center\10_CAD Files\Plan\Sheet\C2.0 SITE PLAN.dwg
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N/F
 ANDELIA P. WATKINS
 D.B. 5265, PG. 843
 B.M. 1979, PG. 178
 PIN #1759.20-80-4047
 USE: SINGLE FAMILY
 ZONED: RL

N/F
 SPIRIT MASTER FUNDING VII, LLC
 D.B. 15550, PG. 841
 B.M. 2007, PG. 143
 PIN #1759.20-80-7165
 USE: DRIVE-IN
 ZONED: GC

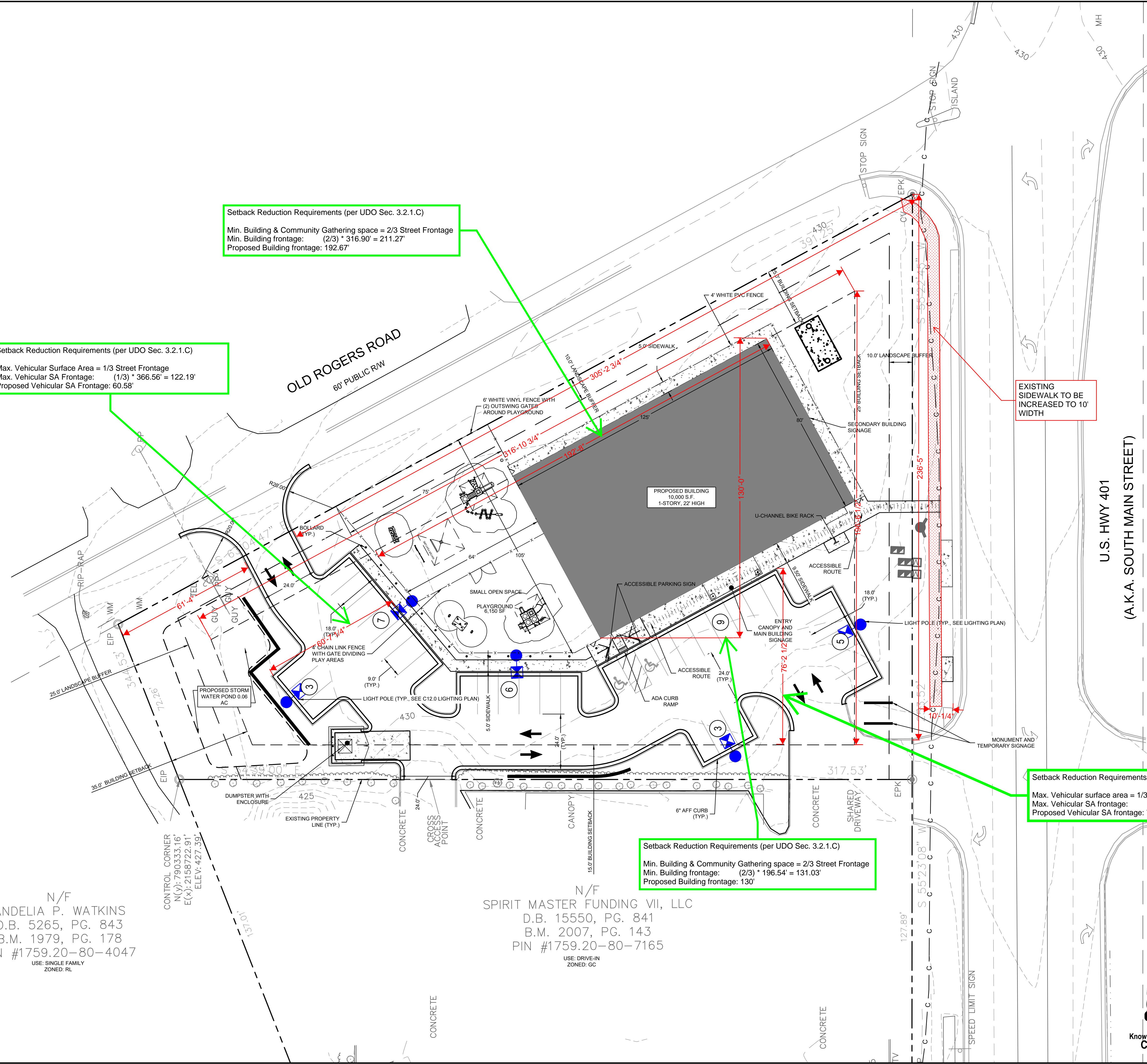
Setback Reduction Requirements (per UDO Sec. 3.2.1.C)
 Min. Building & Community Gathering space = 2/3 Street Frontage
 Min. Building frontage: (2/3) * 316.90' = 211.27'
 Proposed Building frontage: 192.67'

Setback Reduction Requirements (per UDO Sec. 3.2.1.C)
 Max. Vehicular Surface Area = 1/3 Street Frontage
 Max. Vehicular SA Frontage: (1/3) * 366.56' = 122.19'
 Proposed Vehicular SA Frontage: 60.58'

Setback Reduction Requirements (per UDO Sec. 3.2.1.C)
 Min. Building & Community Gathering space = 2/3 Street Frontage
 Min. Building frontage: (2/3) * 196.54' = 131.03'
 Proposed Building frontage: 130'

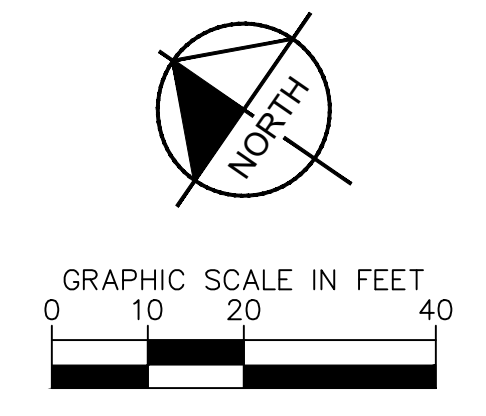
Setback Reduction Requirements (per UDO Sec. 3.2.1.C)
 Max. Vehicular surface area = 1/3 Property Frontage
 Max. Vehicular SA frontage: (1/3) * 236.42' = 78.81'
 Proposed Vehicular SA frontage: 76.17'

SURVEY NOTE:
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SITE LEGEND	
	PROPERTY LINE
	EASEMENT LINE
	FENCE
	STANDARD CURB AND GUTTER
	SPILL CURB AND GUTTER
	PARKING SPACE COUNT
	SIGN (SEE PLAN)
	LIGHT POLE
	WHEEL STOP
	ACCESSIBLE PARKING MARKING (V INDICATES VAN ACCESSIBLE)
	DIRECTIONAL PAVEMENT ARROWS
	ACCESSIBLE RAMP
	DEPRESSED CURB RAMP
	ACCESSIBLE ROUTE
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	STANDARD DUTY CONCRETE
	HEAVY DUTY CONCRETE
	CONCRETE SIDEWALK

PARKING:	MIN. REQUIRED: (2.5 SPACES/1,000 SF) X 10,000 SF = 25 SPACES
	MAX. ALLOWED: (5 SPACES/1,000 SF) X 10,000 SF = 50 SPACES
ACCESSIBLE PARKING:	PROVIDED: 33 SPACES REQUIRED: 2 SPACES
BICYCLE PARKING:	MIN. REQUIRED: (1 SPACE/5,000 SF) X 10,000 SF = 2 SPACES PROVIDED: 2 SPACES



DATE: _____ BY: _____

REVISIONS:

No.	DATE	BY

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 #F-0102 WWW.KIMLEY-HORN.COM PHONE: 919.677.2000 FAX: 919.677.2050
 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601

NOT FOR CONSTRUCTION

KHA PROJECT: 013031004
 DATE: 09/29/2023
 SCALE: AS SHOWN
 DESIGNED BY: JAA
 DRAWN BY: JAA
 CHECKED BY: COE

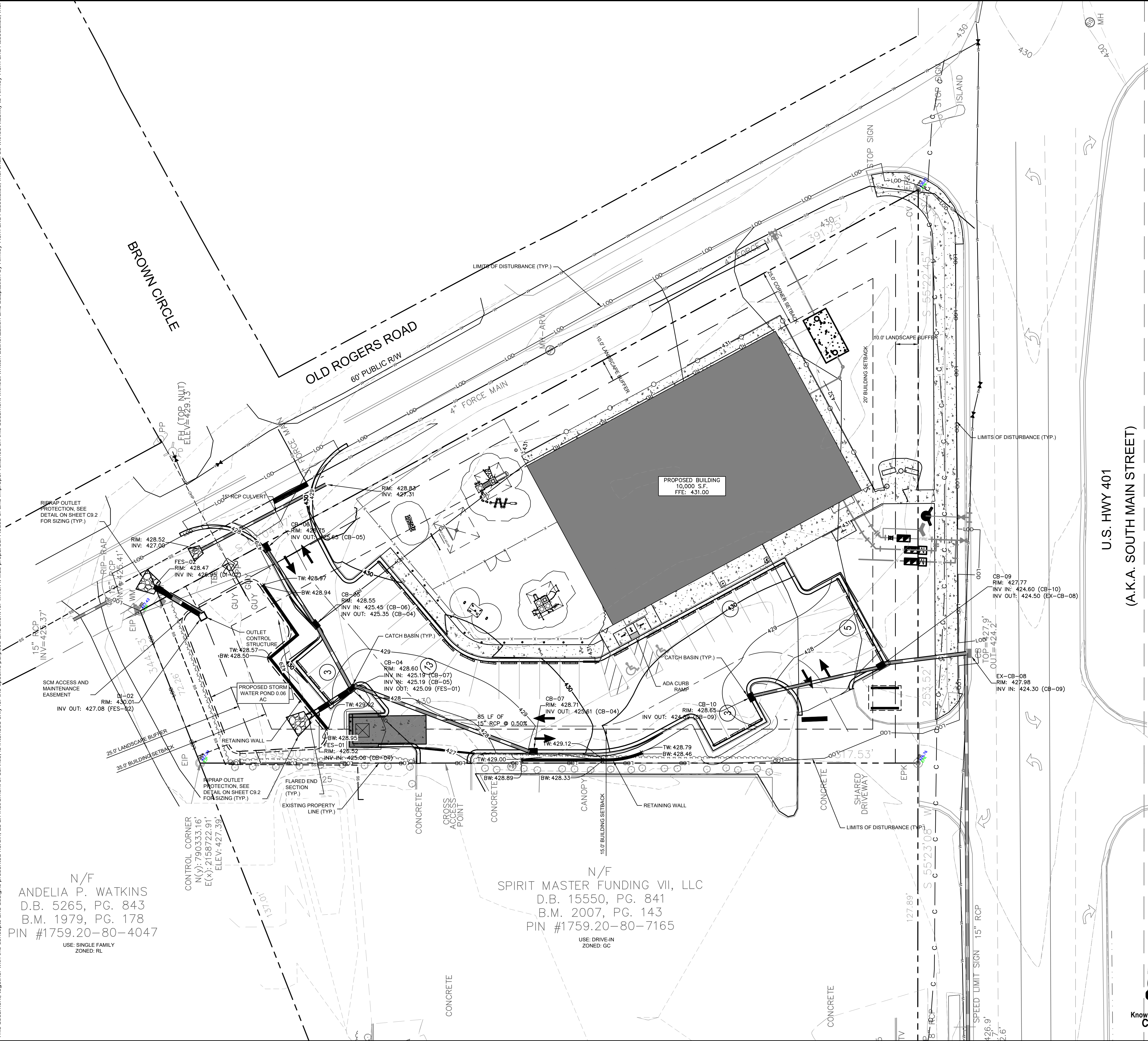
BUILD-TO EXHIBIT

THE LEARNING CENTER ROLESVILLE
 PREPARED FOR
ROLESVILLE, LLC.
 TOWN OF ROLESVILLE NORTH CAROLINA

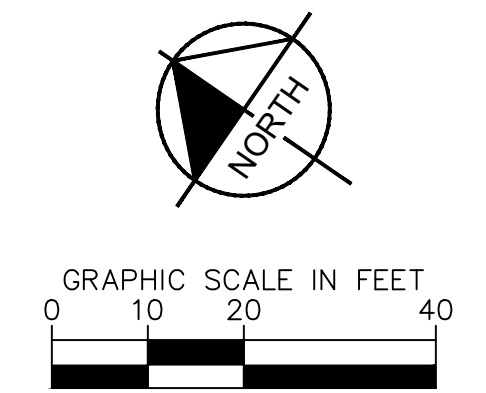
SHEET NUMBER
C2.3



Plotted By: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE Layout: C3.0 GRADING PLAN January 02, 2024 05:55:42pm K:\B\AL_LDE\013031004_Rolesville_Leaning_Center\P10_CAD Files\PlanSheets\C3.0 GRADING PLAN.dwg
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GRADING AND DRAINAGE LEGEND	
	PROPERTY LINE
	STORM DRAIN (≥ 12 INCH)
	STORM DRAIN (< 12 INCH)
	ROOF DRAIN
	CURB AND GUTTER
	LIMITS OF DISTURBANCE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	SPOT ELEVATION
	CATCH BASIN (CB)
	MANHOLE (SDMH)
	CLEANOUT (SDCO)
	DROP INLET (DI)
	AREA DRAIN (AD)
	CONTROL STRUCTURE (CS)
	FLARED END SECTION (FES)
	CONCRETE HEADWALL (HW)
	RIP-RAP APRON
	FLOW ARROW
	TOP OF WALL (GRADE ELEV.)
	BOTTOM OF WALL (GRADE ELEV.)
	TOP OF PAVEMENT (GRADE ELEV.)
	TOP OF CURB (GRADE ELEV.)
	FLUSH CURB (GRADE ELEV.)



N/F
 ANDELIA P. WATKINS
 D.B. 5265, PG. 843
 B.M. 1979, PG. 178
 PIN #1759.20-80-4047
 USE: SINGLE FAMILY
 ZONED: RL

N/F
 SPIRIT MASTER FUNDING VII, LLC
 D.B. 15550, PG. 841
 B.M. 2007, PG. 143
 PIN #1759.20-80-7165
 USE: DRIVE-IN
 ZONED: GC

SURVEY NOTE:
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		7	
THE LEARNING CENTER ROLESVILLE PREPARED FOR ROLESVILLE, LLC. TOWN OF ROLESVILLE NORTH CAROLINA		SHEET NUMBER C3.0	
GRADING PLAN		SDP-23-07	
KHA PROJECT 013031004	DATE 09/29/2023	SCALE AS SHOWN	DESIGNED BY JAA
	DRAWN BY JAA	CHECKED BY COE	REVISIONS No.

Plotted By: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE, Layout: C4.0 UTILITY PLAN, January 02, 2024, 05:55:52pm. K:\RAL_LDEV\0130031004_Rolesville_Leaning_Center\10_CAD Files\Plan\Sheet\C4.0 UTILITY PLAN.dwg
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STANDARD UTILITY NOTES

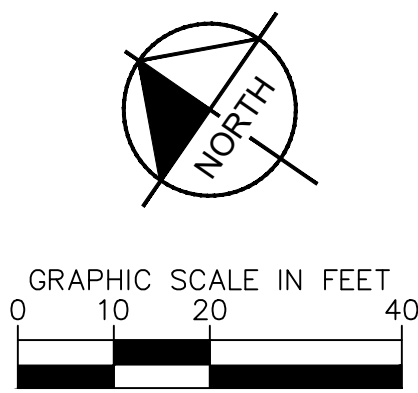
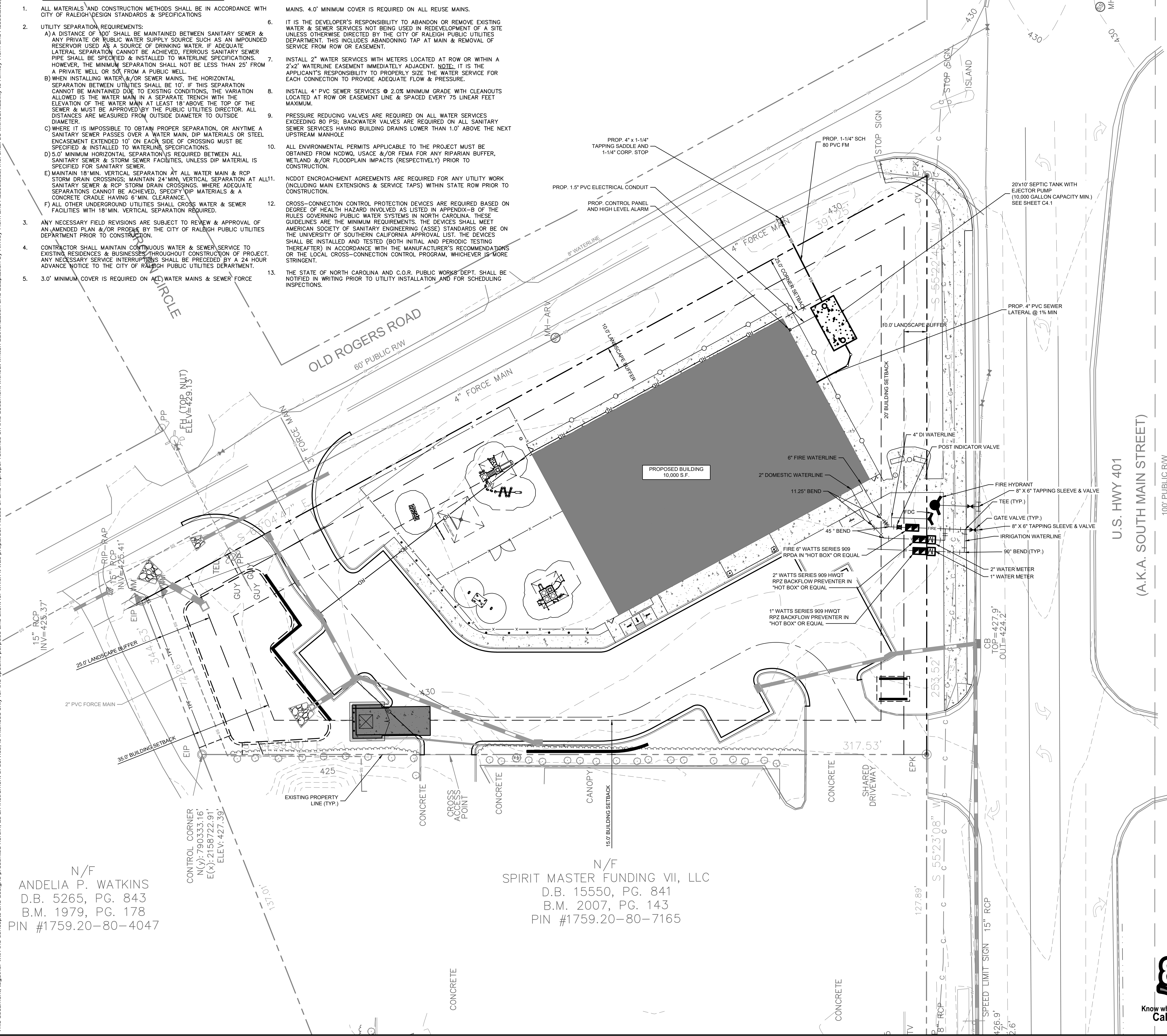
- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS & SPECIFICATIONS
- UTILITY SEPARATION REQUIREMENTS:
 - A) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
 - B) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
 - C) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATER MAIN, DIP MATERIALS OR STEEL ENCASMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
 - D) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.
 - E) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATER MAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS, WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE.
 - F) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
- ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
- 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCE MAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT.
- INSTALL 2" WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'x2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
- INSTALL 4" PVC SEWER SERVICES @ 2.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
- PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE
- ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDOW, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.
- NC DOT ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE ROW PRIOR TO CONSTRUCTION.
- CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-9 OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT.
- THE STATE OF NORTH CAROLINA AND C.O.R. PUBLIC WORKS DEPT. SHALL BE NOTIFIED IN WRITING PRIOR TO UTILITY INSTALLATION AND FOR SCHEDULING INSPECTIONS.

UTILITY LEGEND	
---	PROPERTY LINE
W	WATER LINE
FW	FIRE LINE
SS	SANITARY SEWER LINE
E	ELECTRIC
FO	FIBER OPTIC
G	GAS
P	POWER
T	TELECOMMUNICATION
C	CABLE
LP	LIGHT POLE
WM	WATER METER
GV	GATE VALVE
PC	POINT OF CONNECTION
BP	BACKFLOW PREVENTOR
PT	PIPE TEE/BENDS
FD	FIRE HYDRANT (FH)
FDC	FIRE DEPARTMENT CONNECTION (FDC)
SSCO	SANITARY SEWER CLEANOUT (SSCO)
SSMH	SANITARY SEWER MANHOLE (SSMH)
SSGT	SANITARY SEWER GREASE TRAP

STANDARD UTILITY NOTES (CONT.)

- TRAFFIC CONTROLS FOR ANY UTILITY WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE IN COMPLIANCE WITH STANDARDS OF THE NORTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- IN THE EVENT AN ITEM IS NOT COVERED BY THESE PLANS, THEN THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT HANDBOOK COVERING SUCH ITEMS SHALL APPLY.
- IF CITY OF RALEIGH WATER AND SANITARY SEWER PERMITS ARE REQUIRED, CONTRACTOR IS RESPONSIBLE FOR ALL PERMIT FEES.
- LOCATIONS AND SIZES OF EXISTING WATER AND SEWER LINES SHOWN ON THESE PLANS WITHIN THE PROPERTY LIMITS OF THE SITE ARE ASSUMED BASED ON SURVEY OF SURFACE FEATURES (MANHOLES, VALVES, VAULTS, METERS, ETC.) PREPARED BY GSC SURVEYING, INC., 4072 BARRETT DRIVE, RALEIGH, N.C. 27609. IT IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES PRIOR TO COMMENCING WORK. ANY DEVIATIONS FROM WHAT IS INDICATED ON THESE PLANS SHALL BE REPORTED TO THE DEVELOPER AND ENGINEER, IN WRITING, IMMEDIATELY.
- CONTRACTOR SHALL PROVIDE A MEANS TO KEEP ALL NEW PIPING ISOLATED FROM EXISTING PIPING UNTIL ALL NEW PIPING HAS BEEN TESTED, AND ACCEPTED FOR SERVICE.
- EXISTING UTILITIES SHALL BE PROTECTED DURING ALL CONSTRUCTION.
- THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE UTILITIES. ALL PUBLIC PIPE, STRUCTURES, AND FITTINGS SHALL BE INSPECTED BY THE CITY INSPECTOR PRIOR TO BEING COVERED. THE INSPECTOR MUST ALSO BE PRESENT DURING DISINFECTION AND PRESSURE TESTING OF ALL MAINS. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
- UTILITY WORK SHALL BE INSPECTED AND ACCEPTED BY CITY OF RALEIGH PRIOR TO PLACING INTO SERVICE.
- THERE SHALL BE A MINIMUM 3' CLEAR DISTANCE AROUND ALL FIRE HYDRANTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "AS-BUILT" PLANS, PER CITY OF RALEIGH REQUIREMENTS, TO THE ENGINEER SHOWING THE LOCATION OF WATER AND SEWER SERVICES AND ANY DEVIATIONS FROM PLANS MADE DURING CONSTRUCTION. THE ENGINEER WILL PROVIDE THESE RECORD PLANS TO THE CITY OF RALEIGH.

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 27988. 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.



N/F
 ANDELIA P. WATKINS
 D.B. 5265, PG. 843
 B.M. 1979, PG. 178
 PIN #1759.20-80-4047

N/F
 SPIRIT MASTER FUNDING VII, LLC
 D.B. 15550, PG. 841
 B.M. 2007, PG. 143
 PIN #1759.20-80-7165



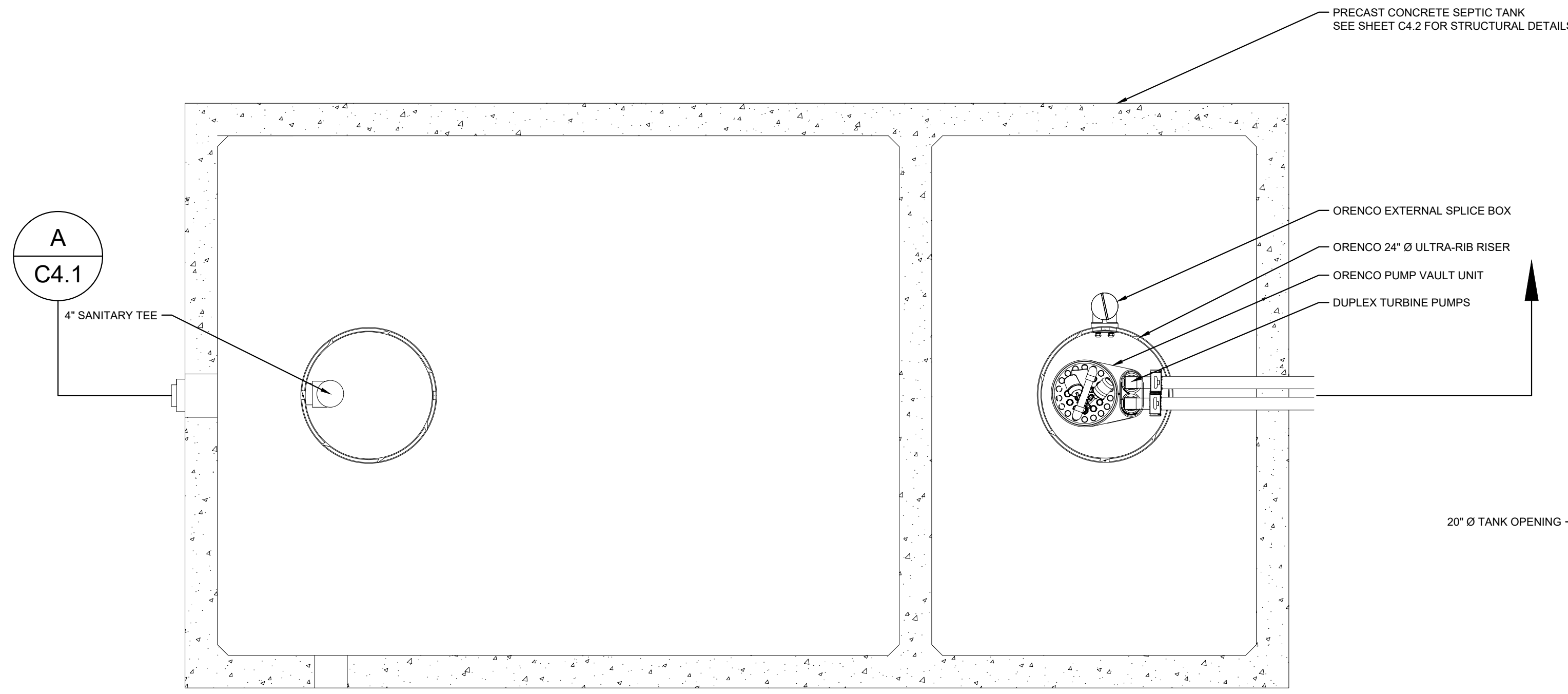
SDP-23-07

		REVISIONS No. DATE BY	
		1 2 3 4 5 6 7	No. DATE BY
KHA PROJECT 013031004		DATE 09/29/2023	
SCALE AS SHOWN		DESIGNED BY JAA	
DRAWN BY JAA		CHECKED BY COB	
THE LEARNING CENTER ROLESVILLE PREPARED FOR ROLESVILLE, LLC. TOWN OF ROLESVILLE NORTH CAROLINA		SHEET NUMBER C4.0	

Plotted By: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE Layout: C4.1 MECHANICAL PLAN January 02, 2024 05:56:01 pm K:\RAL_LDEV\013031004_Rolesville_Learning_Center\P10_CAD Files\PlanSheets\C4.1 MECHANICAL PLAN.dwg
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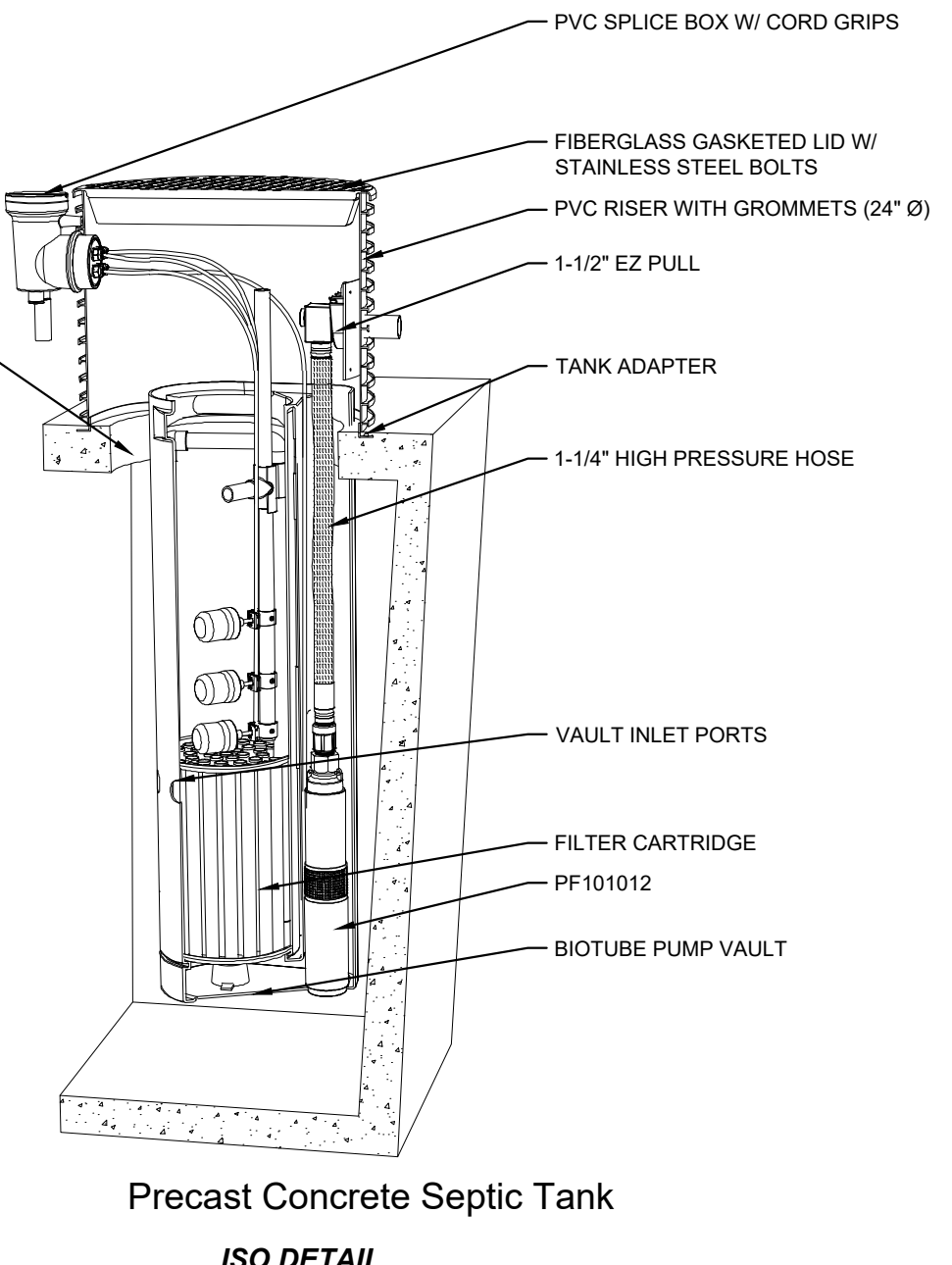
NOTES:
 1) PROPOSED STEP SYSTEM SHALL BE EQUIPPED WITH A "VERICOMM DAX RO" CONTROL PANEL OR APPROVED EQUAL. CONTACT MICHAEL CLAYTON (MCLAYTON@AQWA.NET, 252-292-1667) FOR STEP SYSTEM SPECIFICATIONS.

PUMP STATION GENERAL INFORMATION	
AVERAGE DAILY FLOW	4,400 GPD
TANK DIMENSIONS	20'x10'x7'-9" (INSIDE DIMENSIONS), 10,000 GAL MIN.
DISCHARGE PIPING	1.25" Ø SCH 80 PVC
HORSEPOWER	1 HP (NON-OVERLOADING OVER ENTIRE PUMP CURVE)
VOLTAGE/PHASE/CYCLES	240 V / 1 PHASE / 60 HZ
PUMP	ORENCO PF101012
PRIMARY LEVEL SENSING METHOD	FLOATS (3)

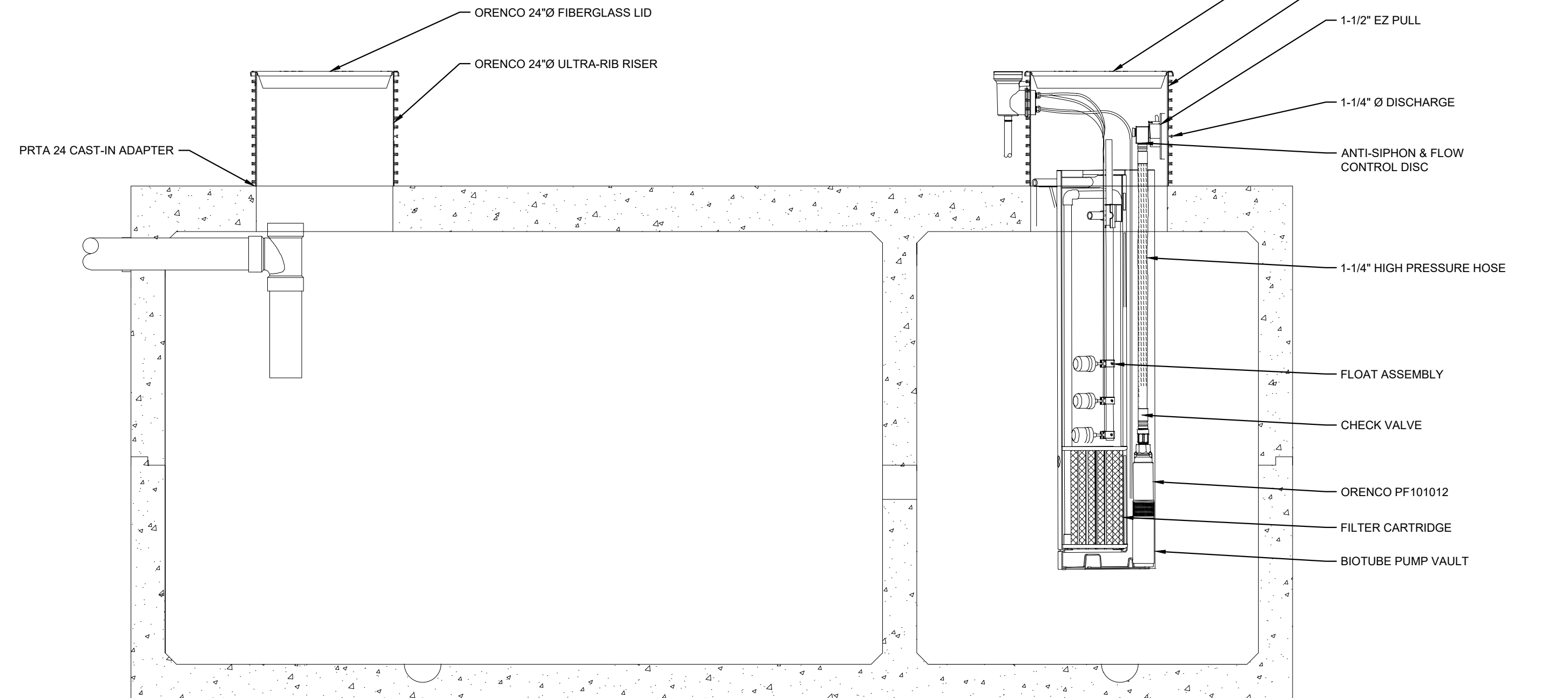


1 MECHANICAL PLAN VIEW

SCALE: NTS



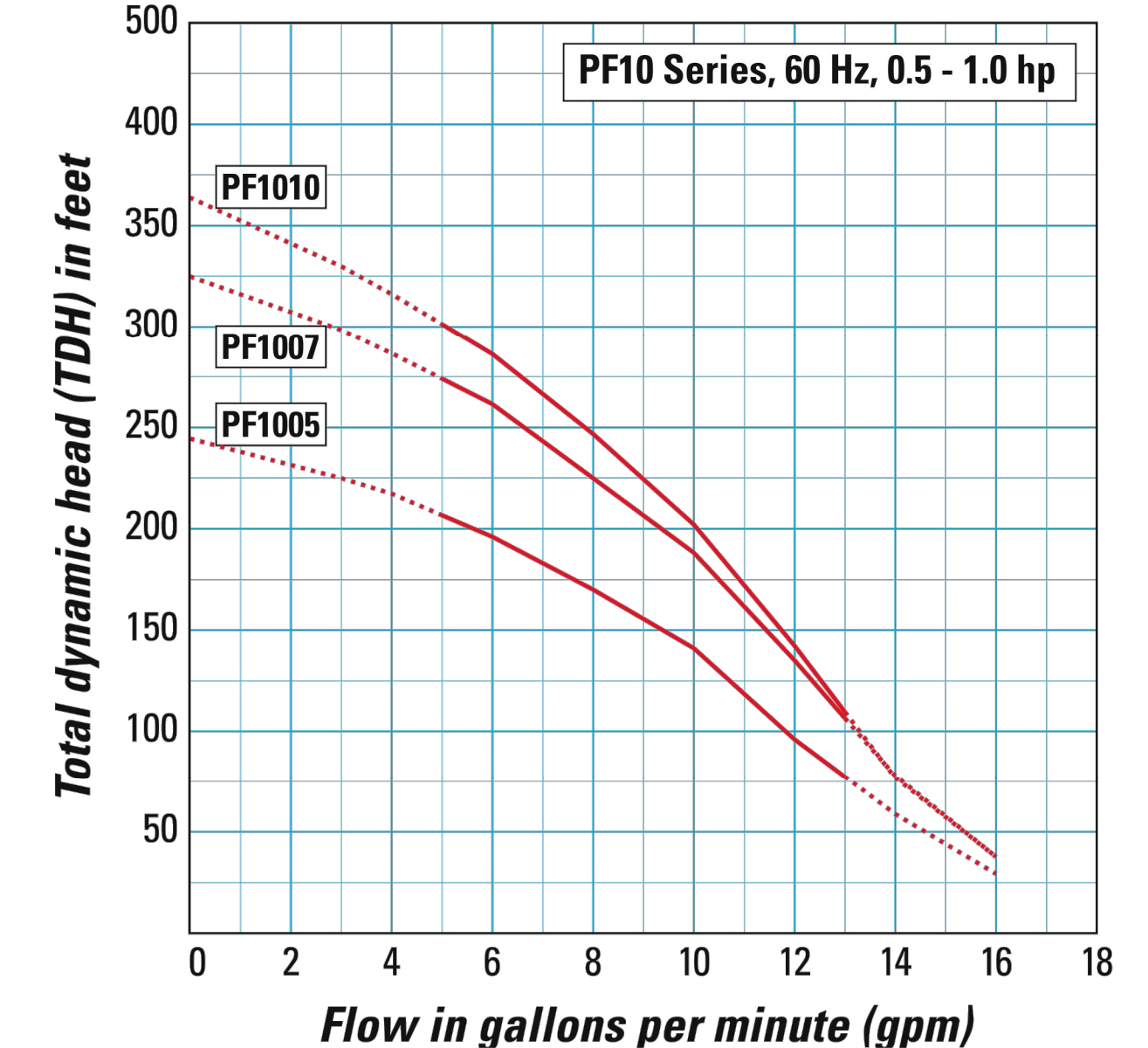
Precast Concrete Septic Tank
ISO DETAIL



A MECHANICAL SECTION VIEW

SCALE: NTS

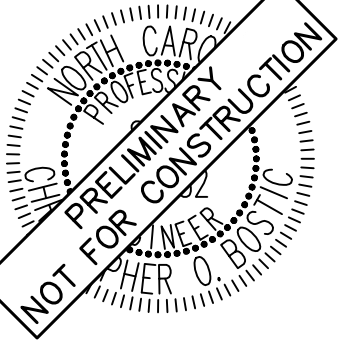
Pump Curves



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NO.	REVISIONS	BY	DATE

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 WWW.KIMLEY-HORN.COM PHONE: 919-677-2000 FAX: 919-677-2050
 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601



KHA PROJECT	013031004
DATE	09/29/2023
SCALE	AS SHOWN
DESIGNED BY	JAA
DRAWN BY	JAA
CHECKED BY	COB

MECHANICAL PLAN

THE LEARNING CENTER ROLESVILLE
 PREPARED FOR
ROLESVILLE, LLC.
 TOWN OF ROLESVILLE NORTH CAROLINA

SHEET NUMBER
C4.1



SDP-23-07

SELF MONITORING AND INSPECTION NOTIFICATION

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2008 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, NCD 01006, 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. NCD 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.NCENR.ORG/WEB/EROSION](http://portal.ncdenr.org/web/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.

- CONSTRUCTION ENTRANCE:**
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 OUTLET:**
INSPECT SEDIMENT FENCE GRAVEL OUTLETS AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN. ANY RIP RAP DISPLACED SHOULD BE REPLACED IMMEDIATELY.
- 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 INLET.

NPDES GROUND COVER REQUIREMENTS

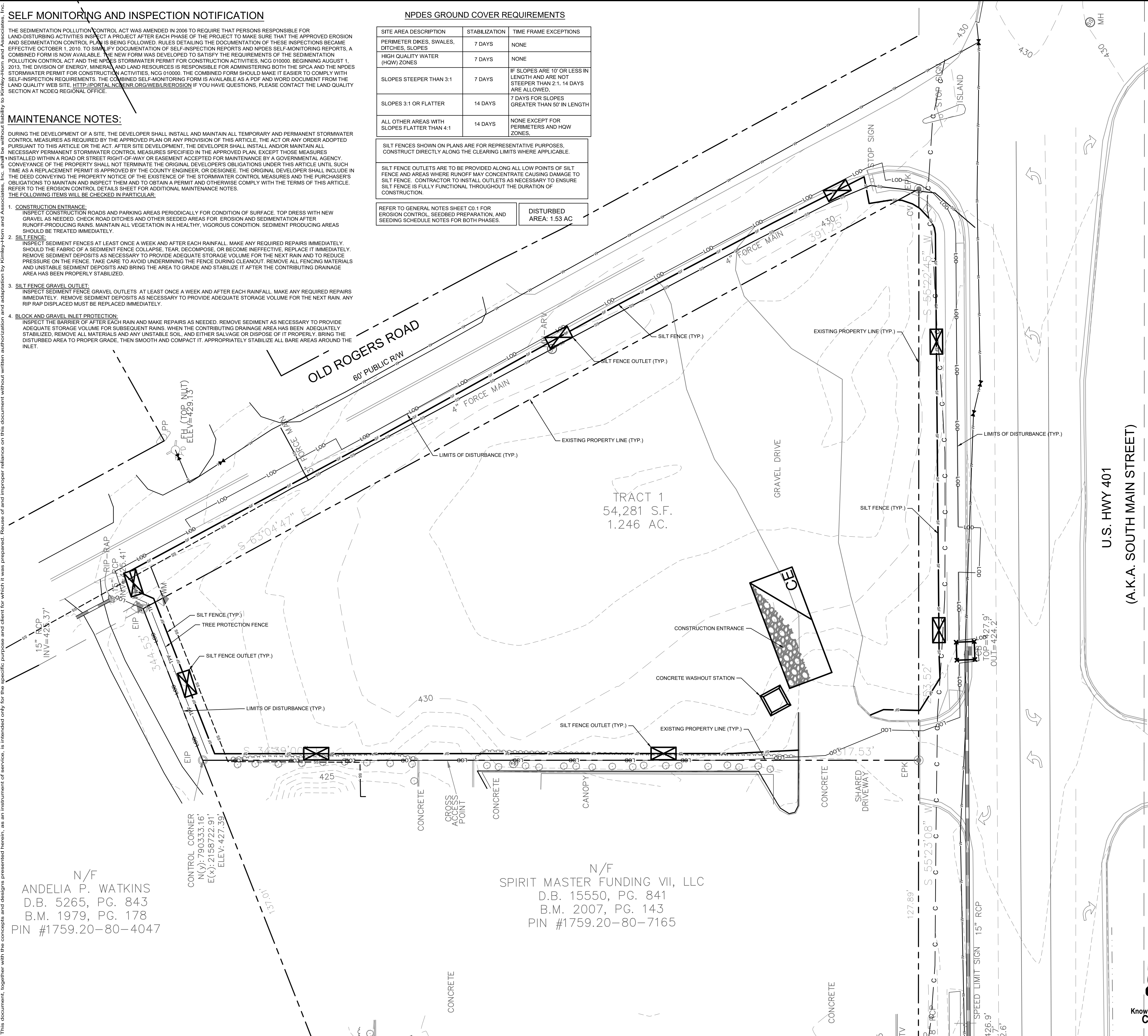
SITE AREA DESCRIPTION	STABILIZATION	TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1. 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE EXCEPT FOR PERIMETERS AND HQW ZONES.

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 EROSION CONTROL, SEEDBED PREPARATION, AND SEEDING SCHEDULE NOTES FOR BOTH PHASES.

DISTURBED AREA: 1.53 AC



EROSION CONTROL LEGEND

- PROPERTY LINE
- - - - TCE TEMPORARY CONSTRUCTION EASEMENT
- - - - LOD LIMITS OF DISTURBANCE
- - - - SF SILT FENCE
- - - - TPF TREE PROTECTION FENCE
- - - - SF/TPF COMBINATION TREE PROTECTION/SILT FENCE
- - - - TD TEMPORARY DIVERSION DITCH
- - - - TD(CW) CLEAN WATER DIVERSION DITCH
- - - - X SEDIMENT BASIN POROUS Baffles
- - - - PUMP DISCHARGE HOSE
- - - - 805 EXISTING CONTOUR
- - - - 805 PROPOSED CONTOUR
- - - - DRAINAGE AREA BOUNDARY
- CE CONSTRUCTION ENTRANCE
- SFO SILT FENCE OUTLET
- CWS CONCRETE WASHOUT STATION
- CCD ROCK CHECK DAM
- IP INLET PROTECTION
- RPIP ROCK PIPE INLET PROTECTION
- SK SKIMMER
- TSD TEMPORARY SLOPE DRAIN
- RIP RIP-RAP OUTLET PROTECTION
- SB SILT BAG
- DESIGNATED AREAS TO BE STABILIZED WITHIN 7 DAYS
- TEMPORARY EROSION CONTROL MATTING

- PHASE 1 CONSTRUCTION SEQUENCE:**
- THE FOLLOWING PHASE 1 CONSTRUCTION SEQUENCE IS FURNISHED AS A GENERAL GUIDE FOR PREPARATION OF A SEQUENCE OF CONSTRUCTION EVENTS.
 - SCHEDULE AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH WAKE COUNTY ENVIRONMENTAL CONSULTANT TO DISCUSS EROSION CONTROL MEASURES.
 - OBTAIN LAND-DISTURBING PERMIT FROM WAKE COUNTY.
 - INSTALL TEMPORARY CONSTRUCTION ENTRANCE, SILT FENCE, INLET PROTECTION, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES (SEE LOD FOR INITIAL CLEARING LIMITS). SEED, MAT MULCH, AND ANCHOR DIVERSION DITCHES AND BASIN IMMEDIATELY AFTER CONSTRUCTION AS APPROPRIATE.
 - CALL FOR ON-SITE INSPECTION BY WAKE COUNTY ENVIRONMENTAL CONSULTANT ONCE ALL EROSION CONTROL MEASURES ARE INSTALLED. OBTAIN CERTIFICATE OF COMPLIANCE FROM WAKE COUNTY.
 - ONCE CERTIFICATE OF COMPLIANCE HAS BEEN OBTAINED, APPLY FOR NCDEQ #NOI ON NCDEQ WEBSITE.
 - UPON APPROVAL, CLEARING AND DEMOLITION MAY BEGIN. MAINTAIN ALL EROSION CONTROL MEASURES AS NECESSARY. EROSION CONTROL MEASURES SHALL BE RESTORED TO ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO 50% OF DESIGN DEPTH.
 - INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 1/2" OR GREATER OR EVERY SEVEN (7) CALENDAR DAYS.
 - FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING EACH PHASE OF EROSION CONTROL MEASURES. SEED AND MULCH DENuded AREA WITHIN 15 CALENDAR DAYS AFTER ANY PHASE OF GRADING. MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
 - ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NCDEQ EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, U.S. DEPARTMENT OF AGRICULTURE, AND WAKE COUNTY EROSION CONTROL ORDINANCE.
 - REFER TO SHEET C0.1 - GENERAL NOTES FOR GENERAL EROSION CONTROL NOTES AND MAINTENANCE.

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 27888. 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.

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PIN #1759.20-80-4047

N/F
SPIRIT MASTER FUNDING VII, LLC
D.B. 15550, PG. 841
B.M. 2007, PG. 143
PIN #1759.20-80-7165



SDP-23-07

<p>THE LEARNING CENTER ROLESVILLE EROSION CONTROL PLAN - PHASE 1</p>	<p>DATE: _____</p>																
	<p>BY: _____</p>																
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>No.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td></td> </tr> <tr> <td>4</td> <td></td> </tr> <tr> <td>5</td> <td></td> </tr> <tr> <td>6</td> <td></td> </tr> <tr> <td>7</td> <td></td> </tr> </tbody> </table>	No.	DESCRIPTION	1		2		3		4		5		6		7		<p>DATE: _____</p>
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<p>Kimley»Horn</p> <p>© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE STREET, SUITE 800, RALEIGH, NC 27601</p>	<p>DATE: _____</p>																
<p>NOT FOR CONSTRUCTION</p>	<p>DATE: _____</p>																
<p>KHA PROJECT: 013031004</p> <p>DATE: 09/29/2023</p> <p>SCALE: AS SHOWN</p> <p>DESIGNED BY: JAA</p> <p>DRAWN BY: JAA</p> <p>CHECKED BY: COB</p>	<p>DATE: _____</p>																
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<p>PREPARED FOR ROLESVILLE, LLC. TOWN OF ROLESVILLE NORTH CAROLINA</p>	<p>DATE: _____</p>																
<p>SHEET NUMBER C5.0</p>	<p>DATE: _____</p>																

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 AT EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE DOCUMENTATION OF 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 0100.00, 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 0100.00, 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.NC DENR.ORG/WEB/LOR/EROSION](http://portal.ncdenr.org/web/lor/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:

- CONSTRUCTION ENTRANCE:**
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 OUTLET:**
INSPECT SEDIMENT FENCE GRAVEL OUTLETS AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN. ANY RIP RAP DISPLACED MUST BE REPLACED IMMEDIATELY.
- 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 INLET.

NPDES GROUND COVER REQUIREMENTS

SITE AREA DESCRIPTION	STABILIZATION	TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE EXCEPT FOR PERIMETERS AND HQW ZONES.

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 EROSION CONTROL, SEEDING PREPARATION, AND SEEDING SCHEDULE NOTES FOR BOTH PHASES.

DISTURBED AREA: 1.53 AC

EROSION CONTROL LEGEND

- PROPERTY LINE
- TCE- TEMPORARY CONSTRUCTION EASEMENT
- LOD- LIMITS OF DISTURBANCE
- SF- SILT FENCE
- TPF- TREE PROTECTION FENCE
- SF/TPF- COMBINATION TREE PROTECTION/SILT FENCE
- > TD -> TD- TEMPORARY DIVERSION DITCH
- > TD(CW) -> TD(CW)- CLEAN WATER DIVERSION DITCH
- X- SEDIMENT BASIN POROUS Baffles
- > PUMP DISCHARGE HOSE
- 805- EXISTING CONTOUR
- 805- PROPOSED CONTOUR
- DRAINAGE AREA BOUNDARY
- CE- CONSTRUCTION ENTRANCE
- SILT FENCE OUTLET
- CONCRETE WASHOUT STATION
- ROCK CHECK DAM
- INLET PROTECTION
- ROCK PIPE INLET PROTECTION
- SKIMMER
- TEMPORARY SLOPE DRAIN
- RIP-RAP OUTLET PROTECTION
- SILT BAG
- DESIGNATED AREAS TO BE STABILIZED WITHIN 7 DAYS
- TEMPORARY EROSION CONTROL MATTING

- PHASE 2 CONSTRUCTION SEQUENCE:**
- THE FOLLOWING PHASE 2 CONSTRUCTION SEQUENCE IS FURNISHED AS A GENERAL GUIDE FOR PREPARATION OF A SEQUENCE OF CONSTRUCTION EVENTS.
 - MAINTAIN CONSTRUCTION ENTRANCE AND SILT FENCE.
 - CALL FOR ON-SITE INSPECTION BY INSPECTOR ONCE ALL PHASE 2 EROSION CONTROL MEASURES ARE INSTALLED. OBTAIN CERTIFICATE OF COMPLIANCE FROM WAKE COUNTY.
 - CONTRACTOR IS TO CUT AND/OR FILL AREAS TO BRING THE SITE TO THE PROPOSED GRADES SHOWN ON THE GRADING AND DRAINAGE PLANS. GRADING ACTIVITY SHALL BE LIMITED TO WITHIN THE CLEARING LIMITS. MAINTAIN ALL EROSION CONTROL MEASURES AS NECESSARY.
 - PROVIDE GROUND COVER ON SLOPES GREATER THAN 3:1 WITHIN 7 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. PROVIDE GROUND COVER TO ALL OTHER AREAS WITHIN 14 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING OR INACTIVITY.
 - INSTALL STORM DRAINAGE AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS, SEDIMENT TRAPS, OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN.
 - STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDE AREAS PER GROUND STABILIZATION TIME FRAMES.
 - INSPECT AND REPAIR EROSION CONTROL MEASURES AFTER EVERY RAINFALL EVENT OF 1/2" OR GREATER OR EVERY SEVEN (7) CALENDAR DAYS.
 - ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NC DENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, U.S. DEPARTMENT OF AGRICULTURE, AND WAKE COUNTY EROSION CONTROL ORDINANCE.
 - REFER TO SHEET C0.1 - GENERAL NOTES FOR GENERAL EROSION CONTROL NOTES AND MAINTENANCE.
 - ALL EROSION CONTROL MEASURES TO REMAIN IN PLACE UNTIL +/- 80% STABILIZATION IS ACHIEVED.
 - ONCE CONSTRUCTION IS COMPLETE AND ENTIRE SITE IS STABILIZED, CALL FOR FINAL INSPECTION BY WAKE COUNTY ENVIRONMENTAL CONSULTANT. IF APPROVED, REMOVE REMAINING EROSION CONTROL MEASURES. ALL REMAINING PERMANENT EROSION CONTROL DEVICES SHOULD NOW BE INSTALLED.
 - WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL INSPECTION BY WAKE COUNTY ENVIRONMENTAL CONSULTANT. OBTAIN A CERTIFICATE OF COMPLETION.

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, 27888. 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.

Plotted By: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE, LAYOUT: C5.1 EROSION CONTROL PLAN - PHASE 2, January 02, 2024, 05:58:41pm, K:\RAL...LDE\013031004...Rolesville...Learning...Center\P10_CAD Files\PlanSheets\C-502 EROSION CONTROL PLAN.dwg
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N/F
ANDELIA P. WATKINS
D.B. 5265, PG. 843
B.M. 1979, PG. 178
PIN #1759.20-80-4047

N/F
SPIRIT MASTER FUNDING VII, LLC
D.B. 15550, PG. 841
B.M. 2007, PG. 143
PIN #1759.20-80-7165



SDP-23-07

THE LEARNING CENTER ROLESVILLE
PREPARED FOR
ROLESVILLE, LLC.
TOWN OF ROLESVILLE
NORTH CAROLINA

EROSION CONTROL PLAN - PHASE 2

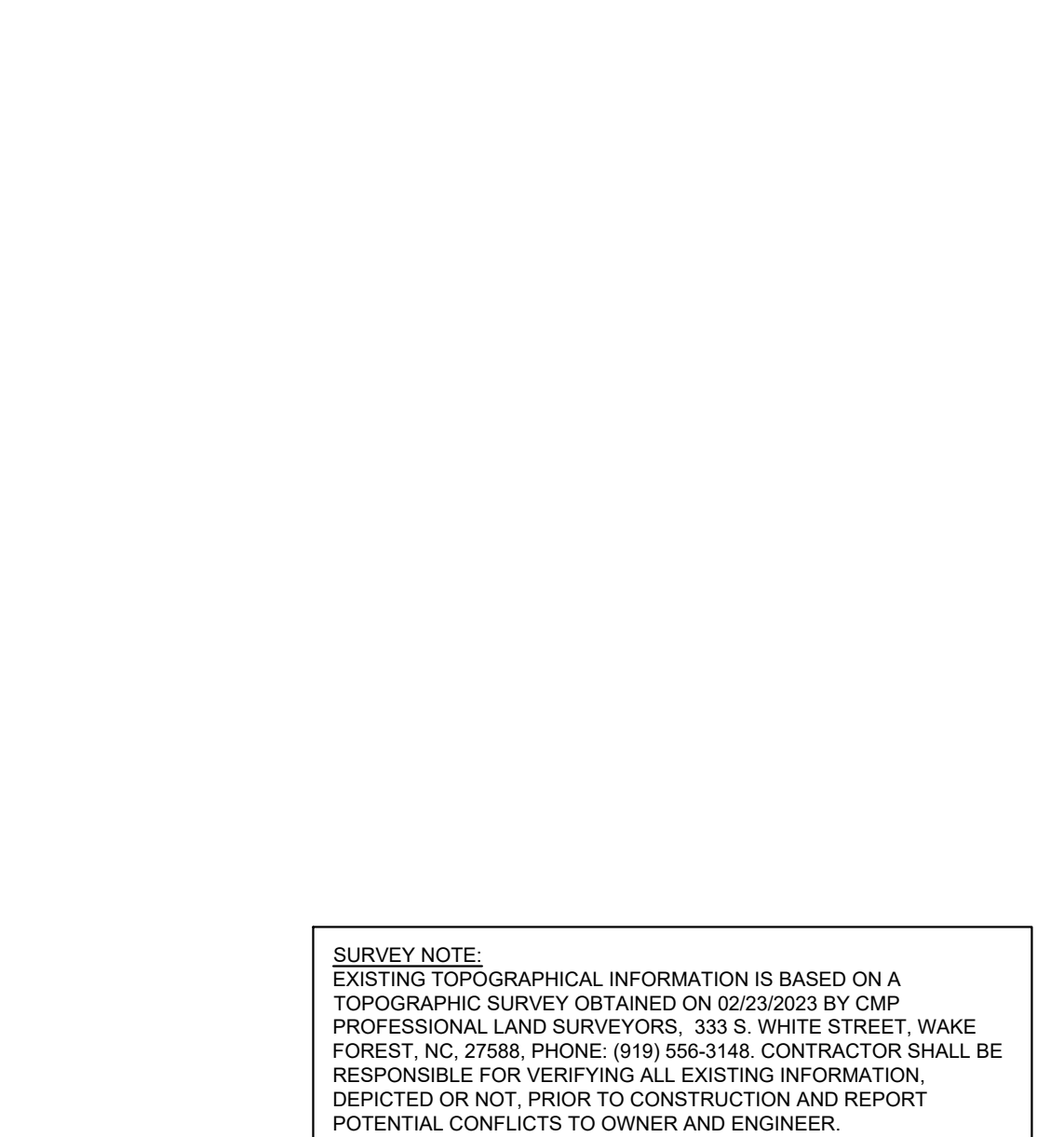
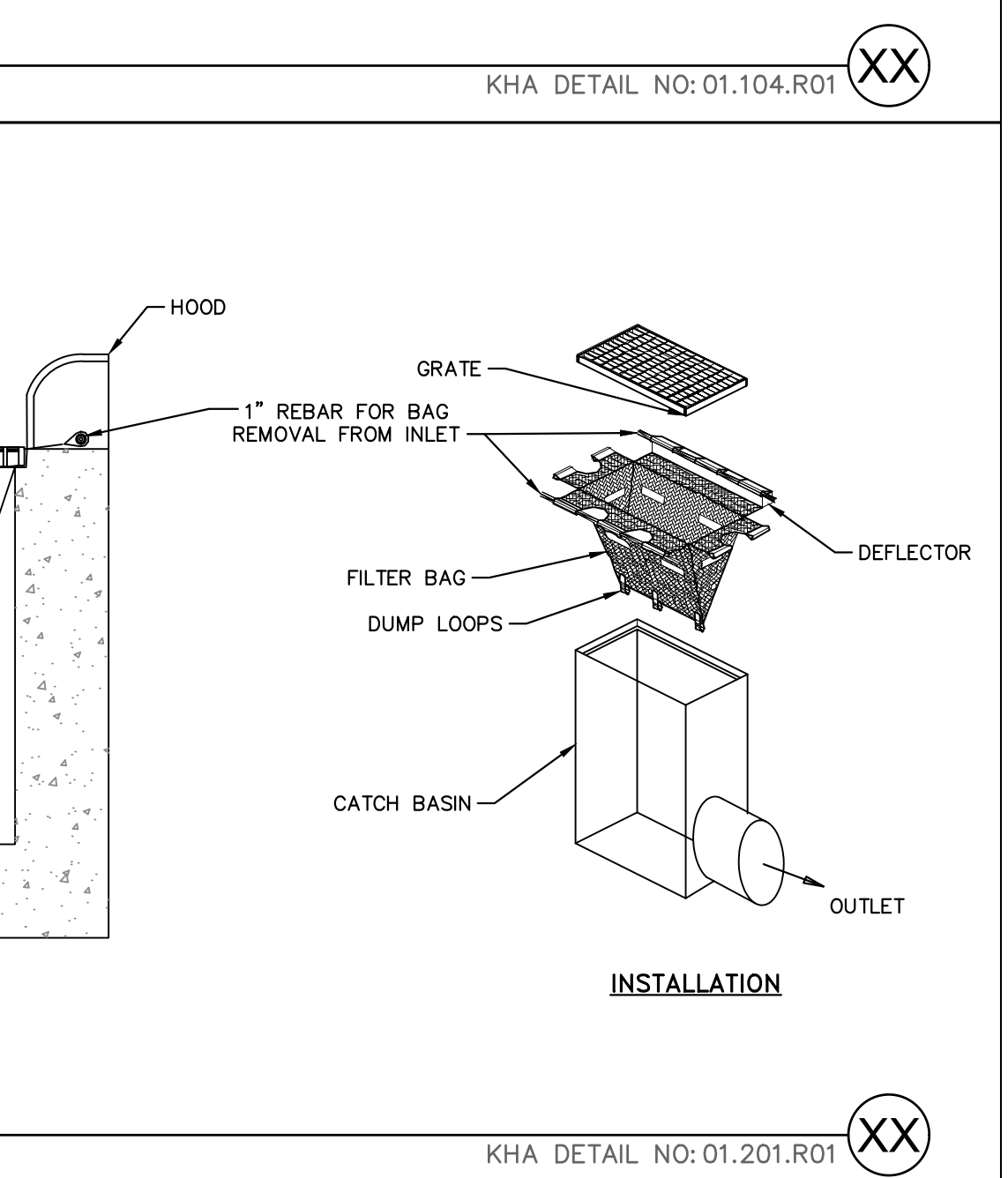
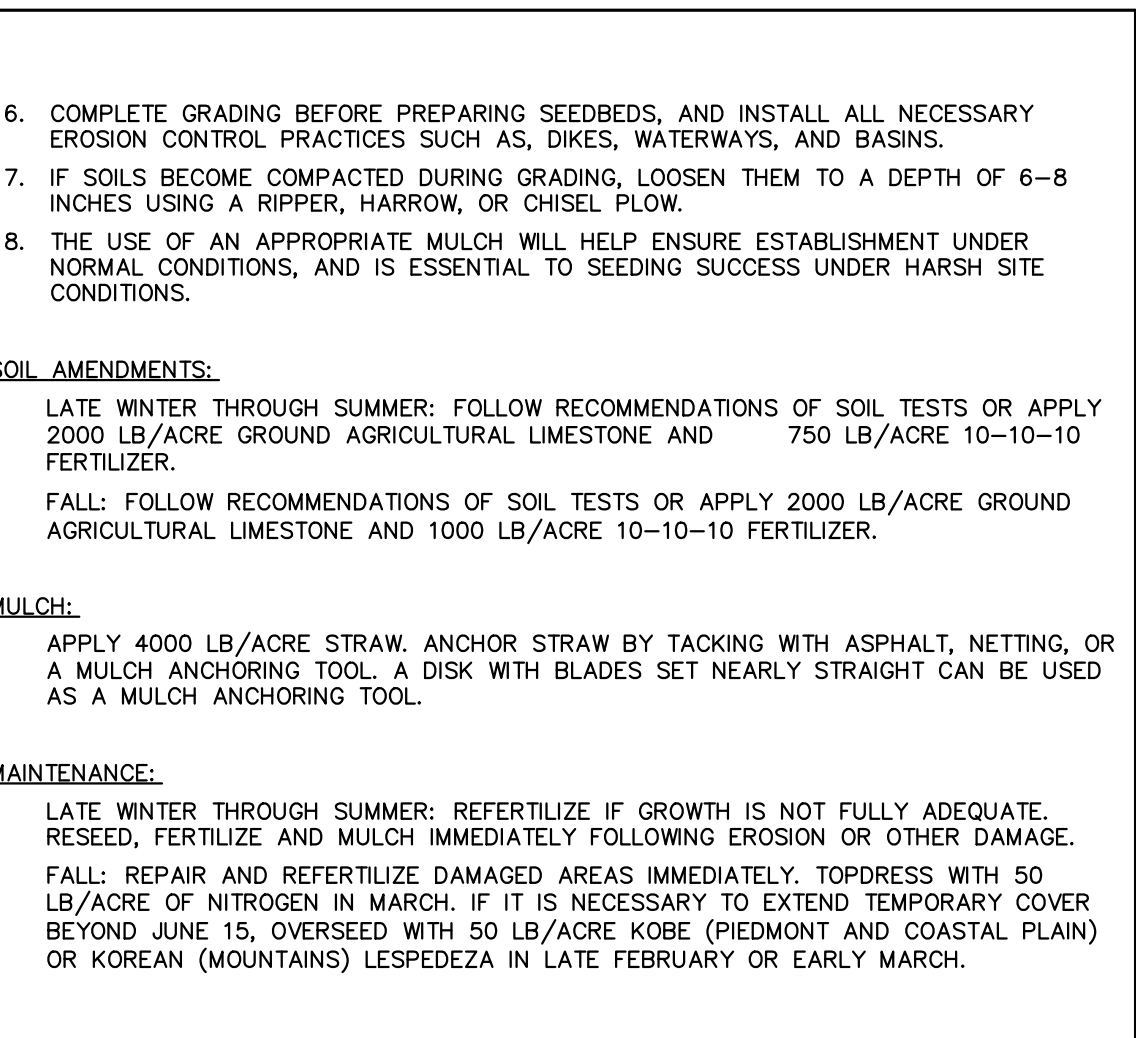
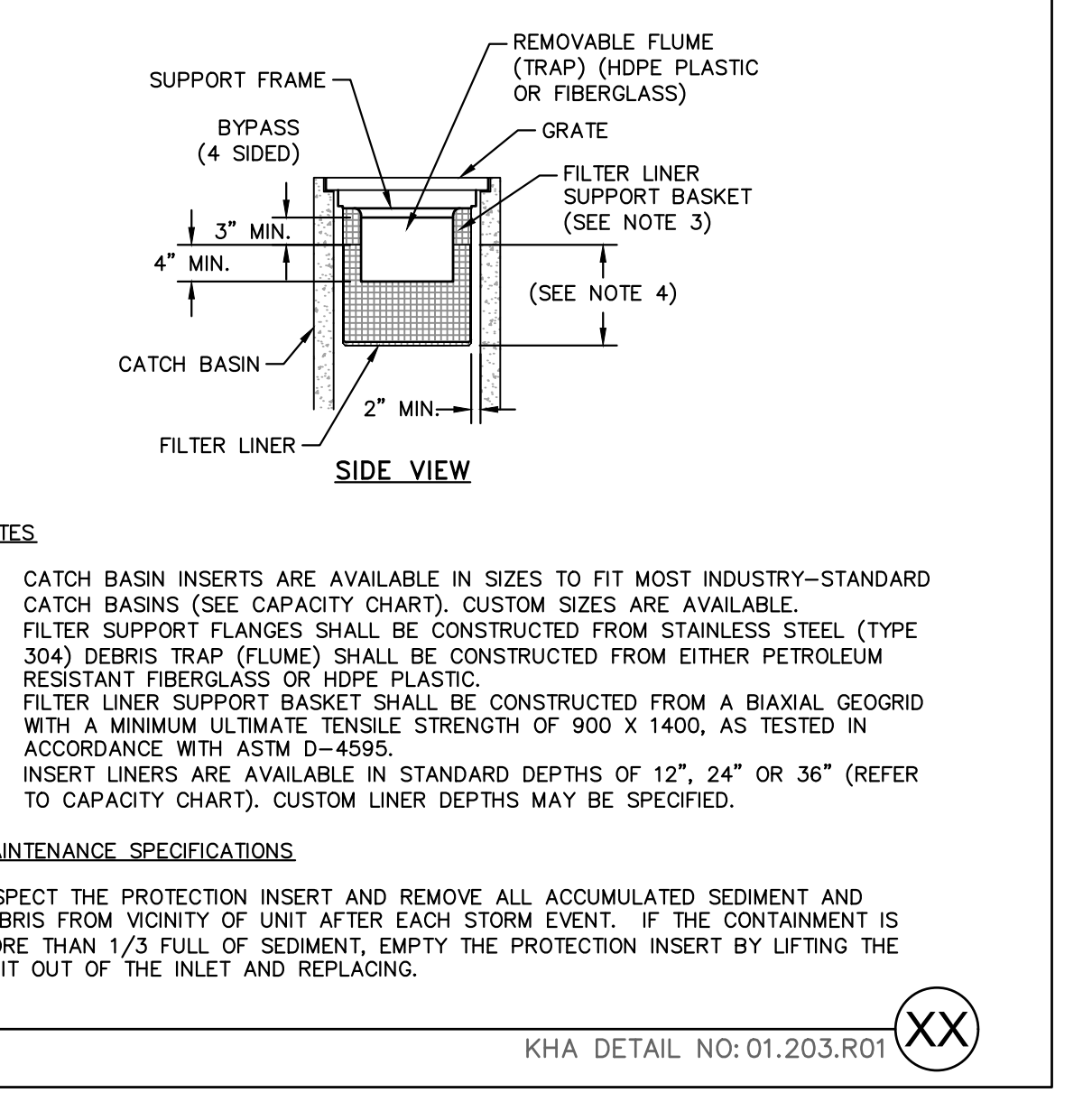
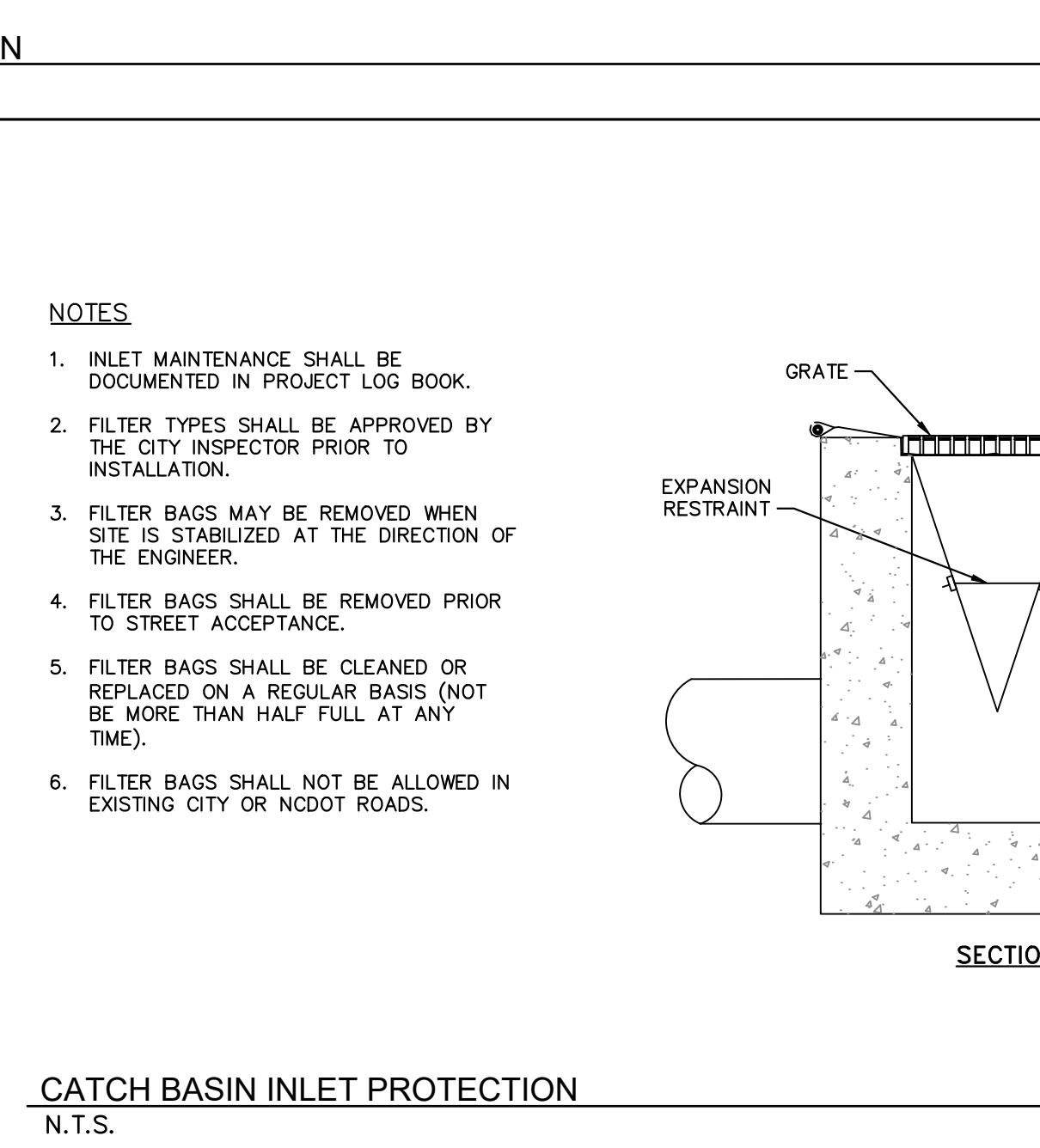
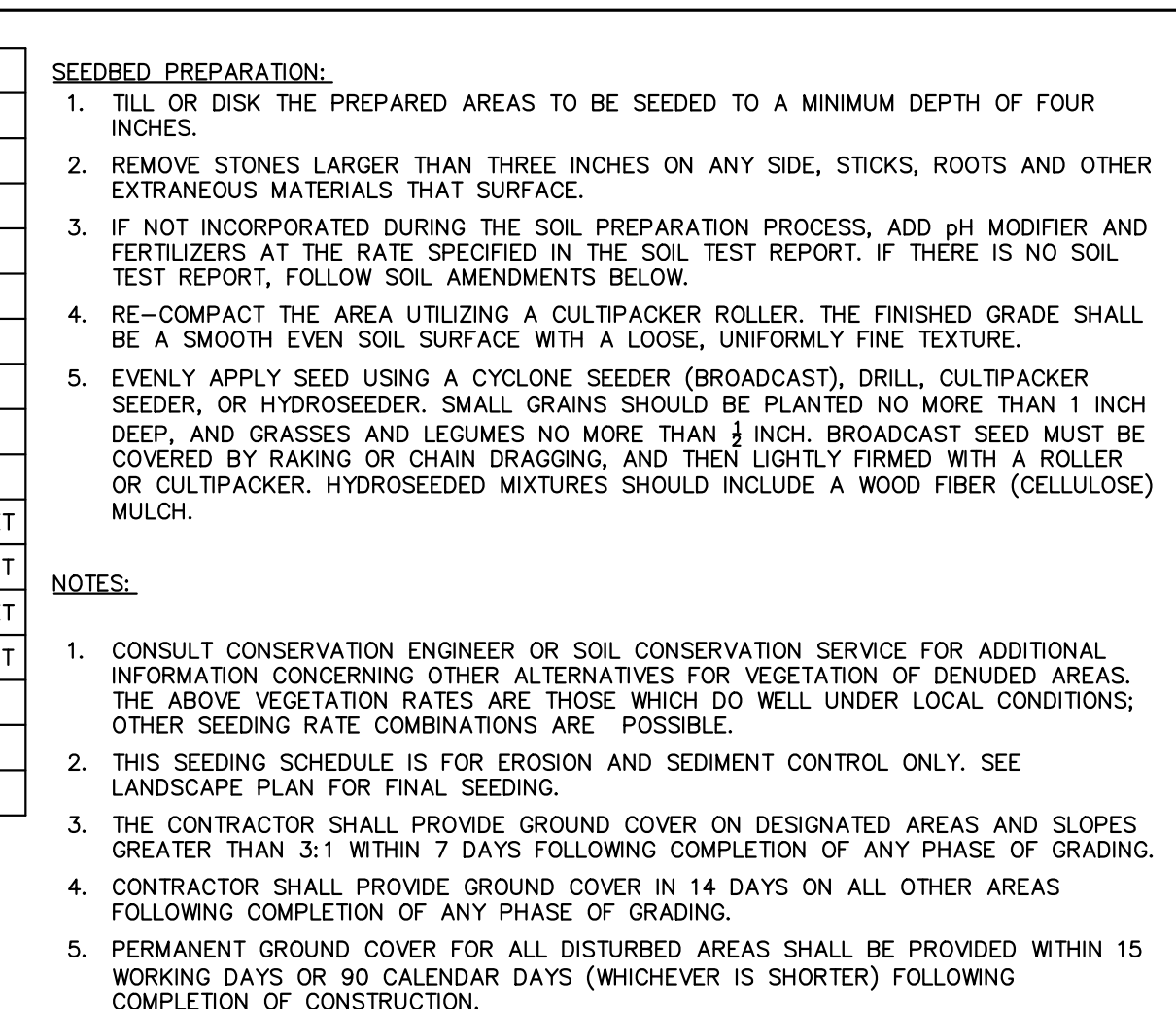
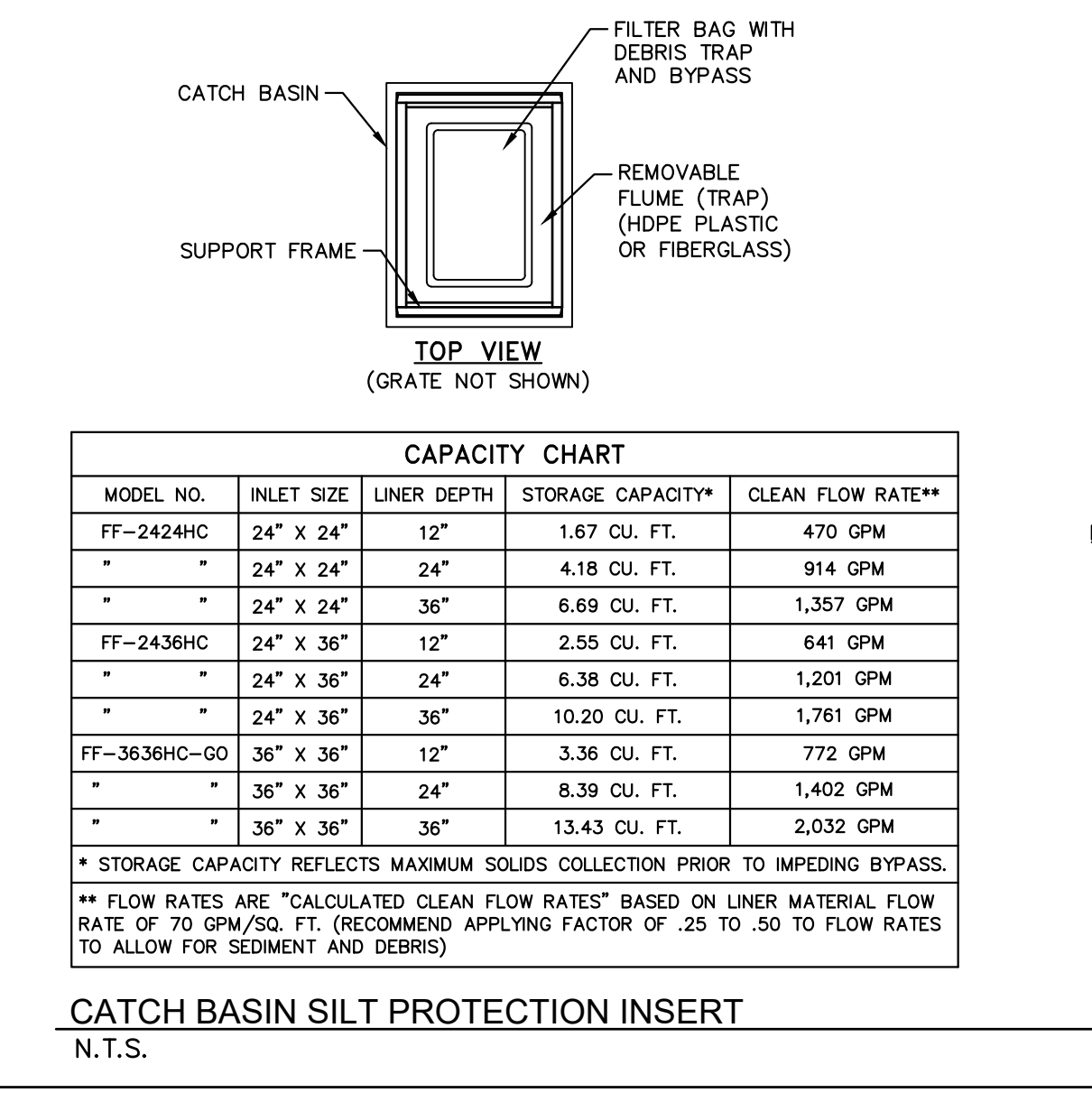
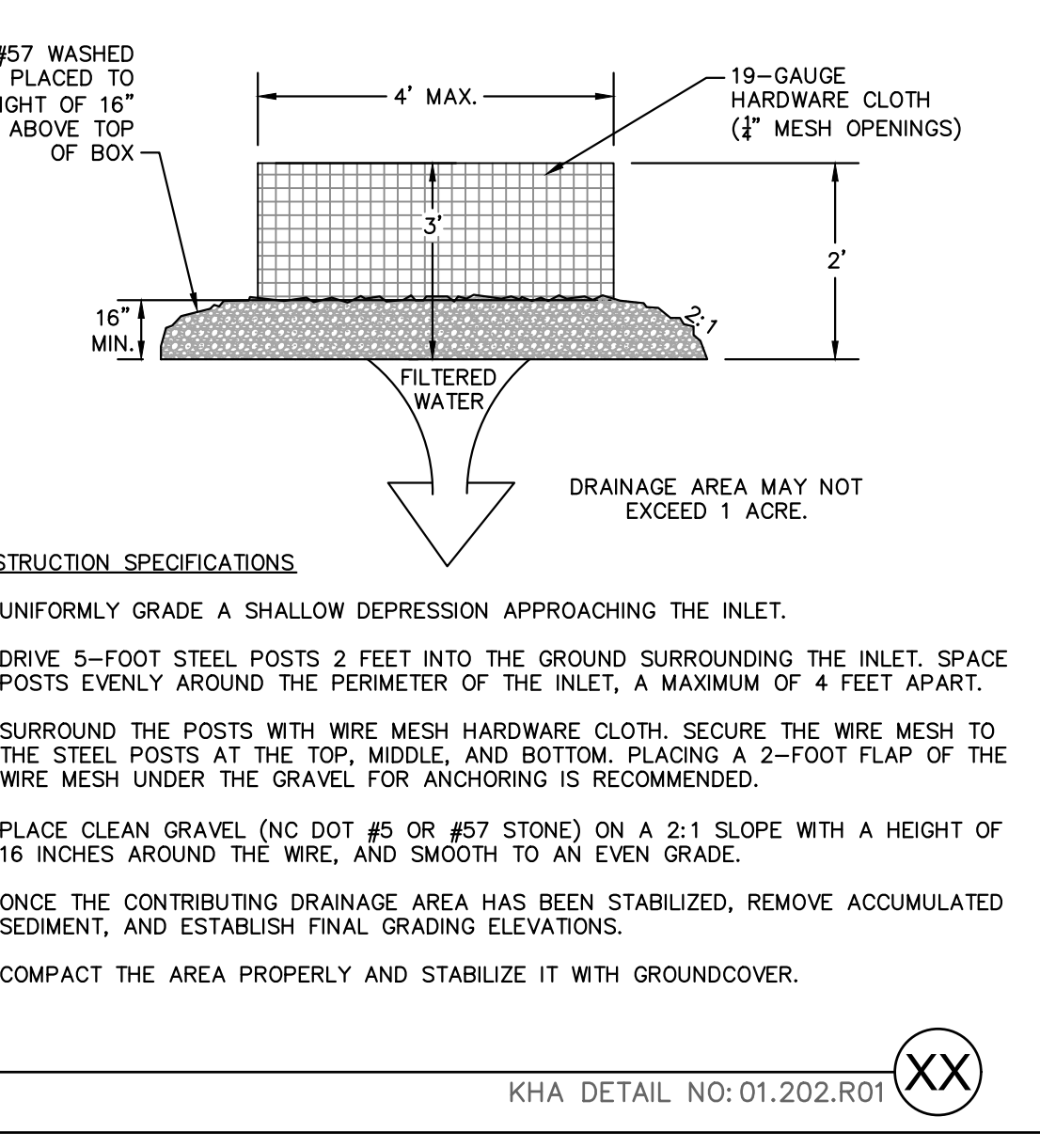
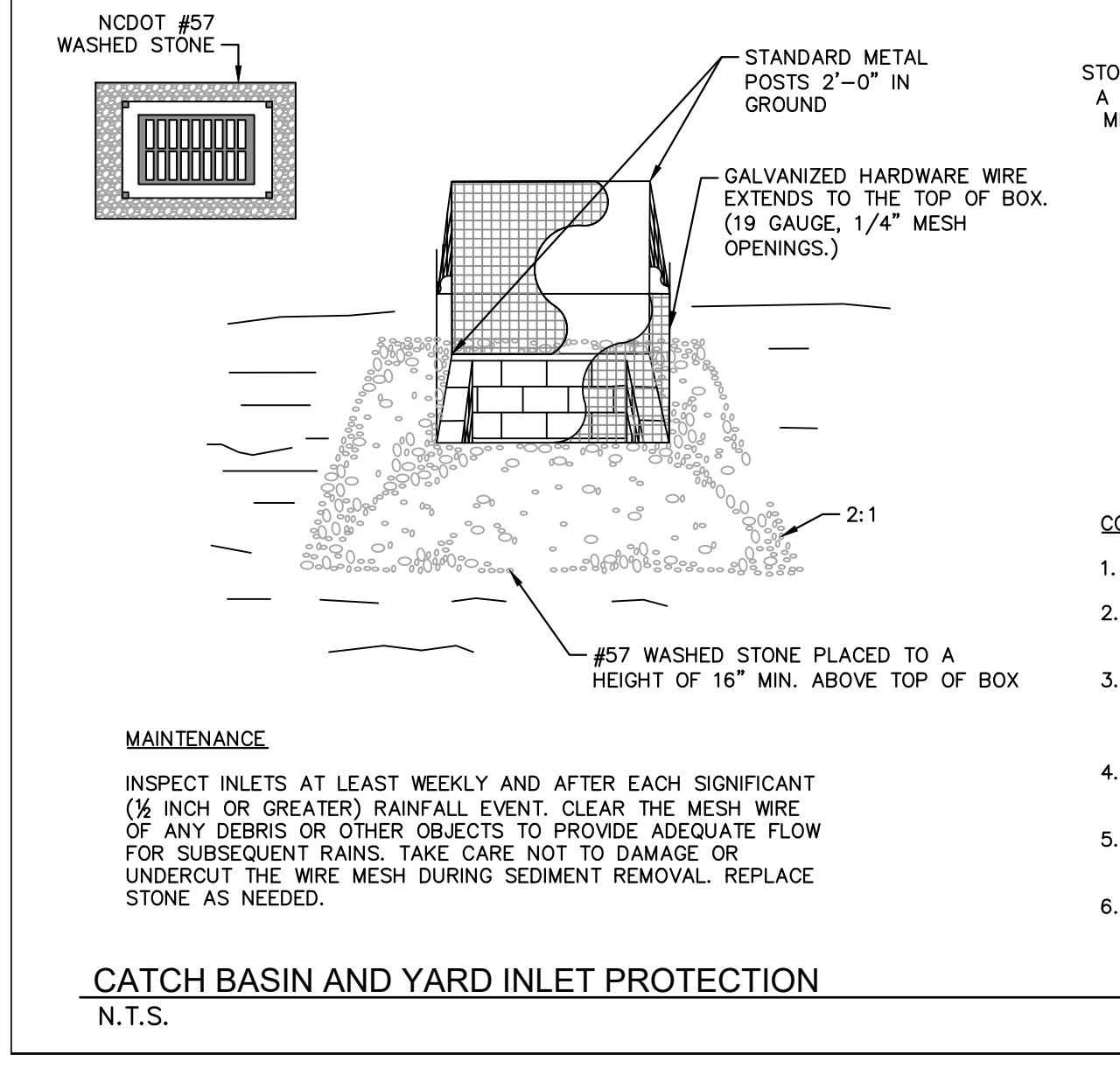
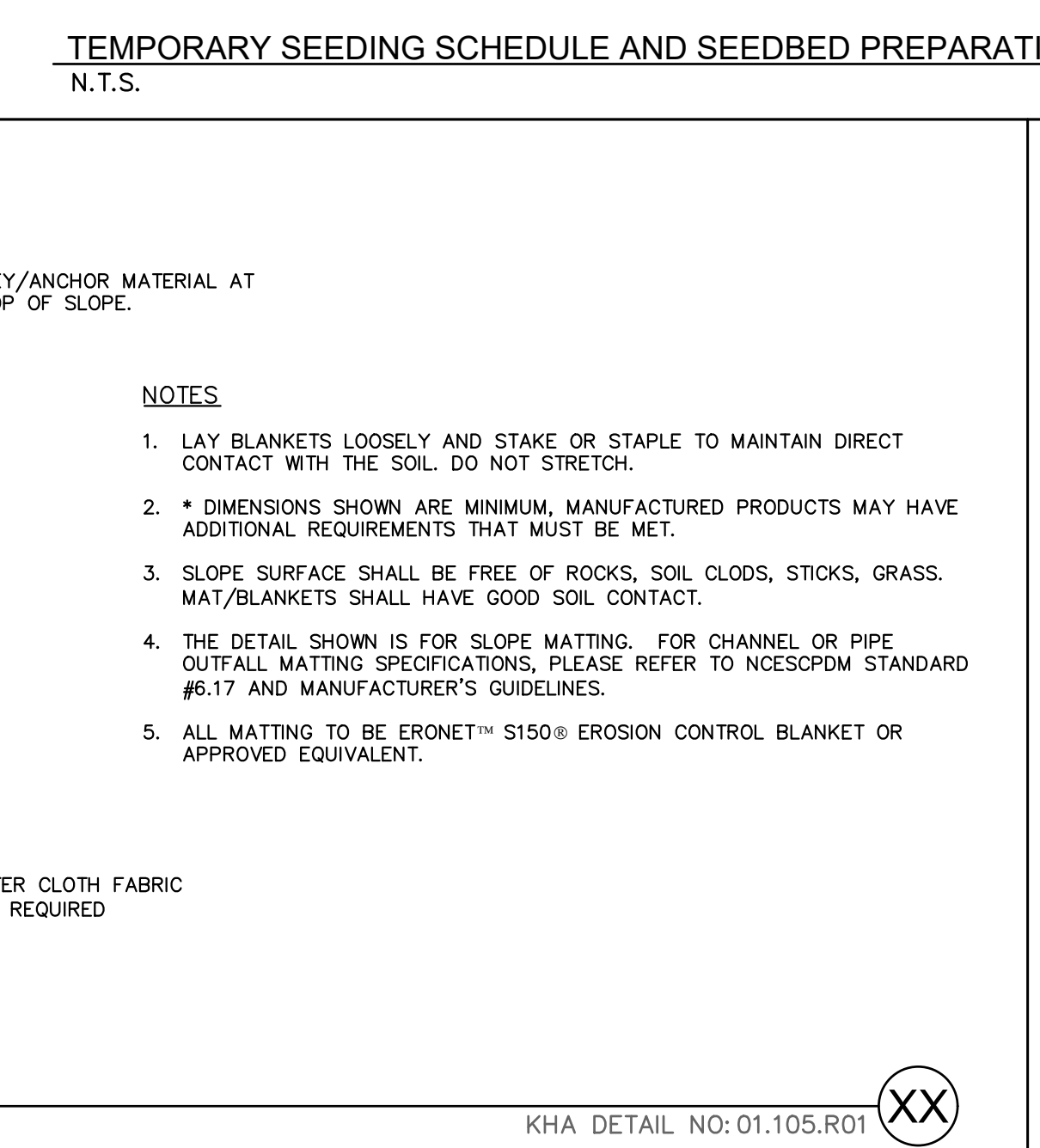
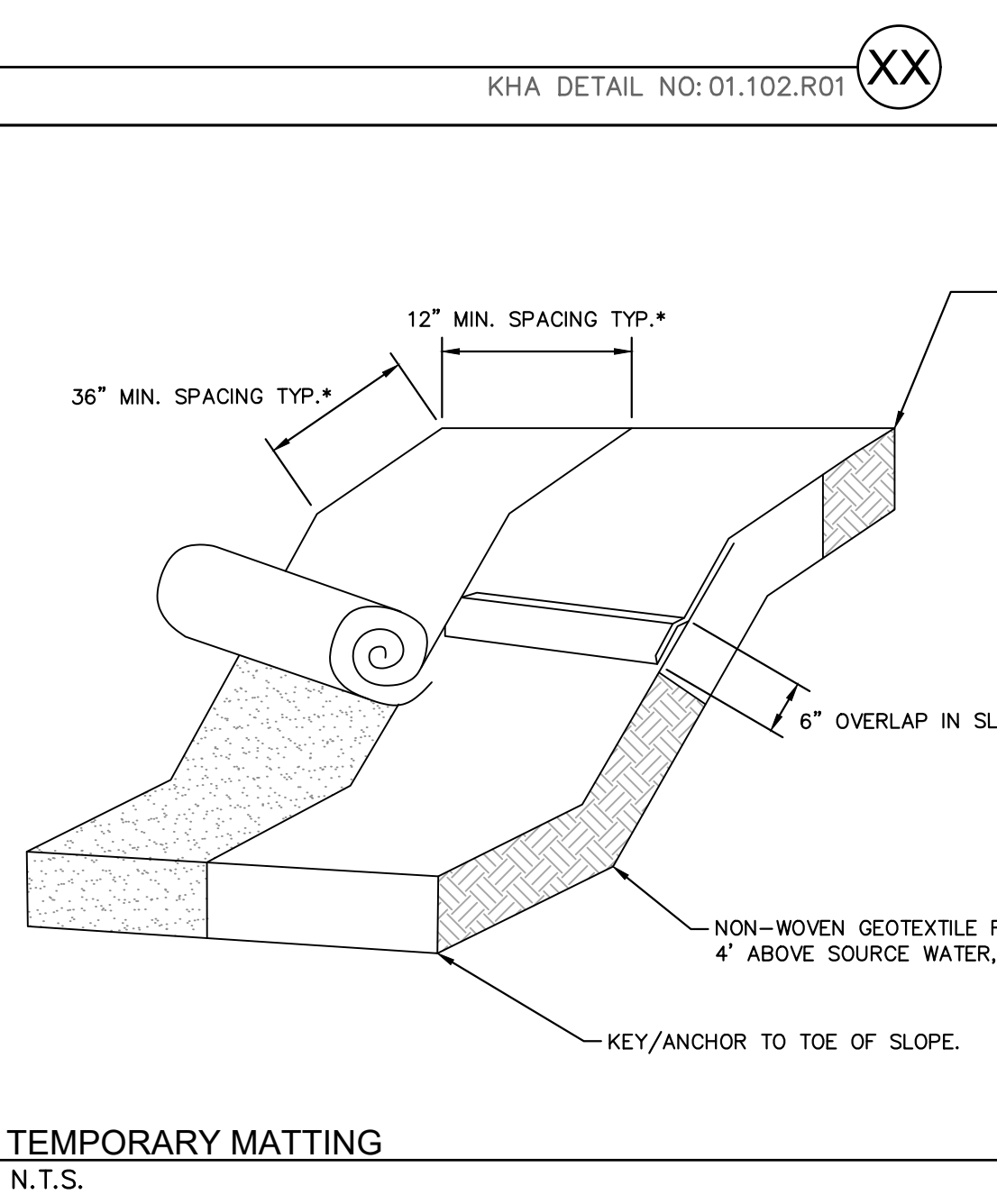
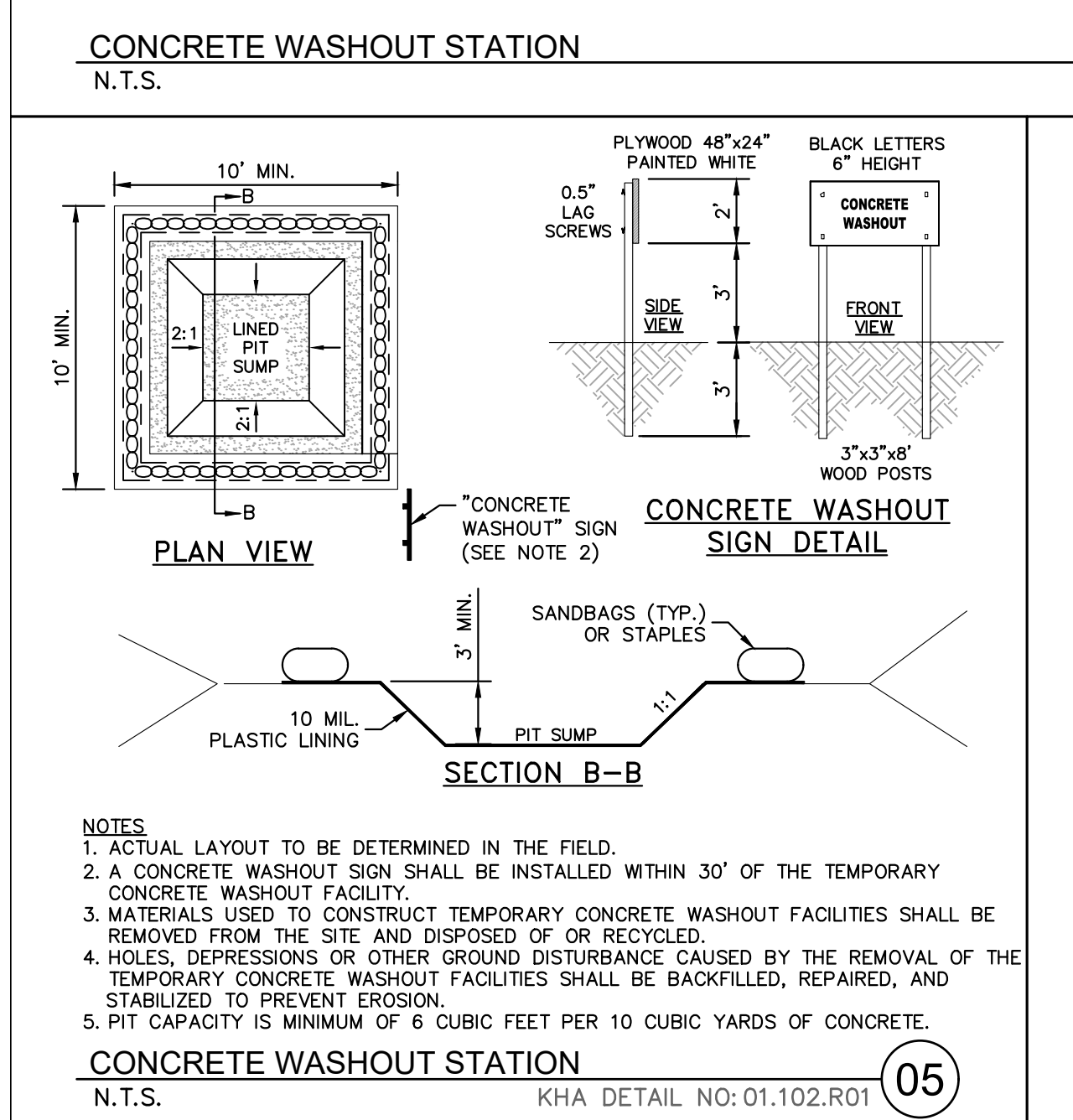
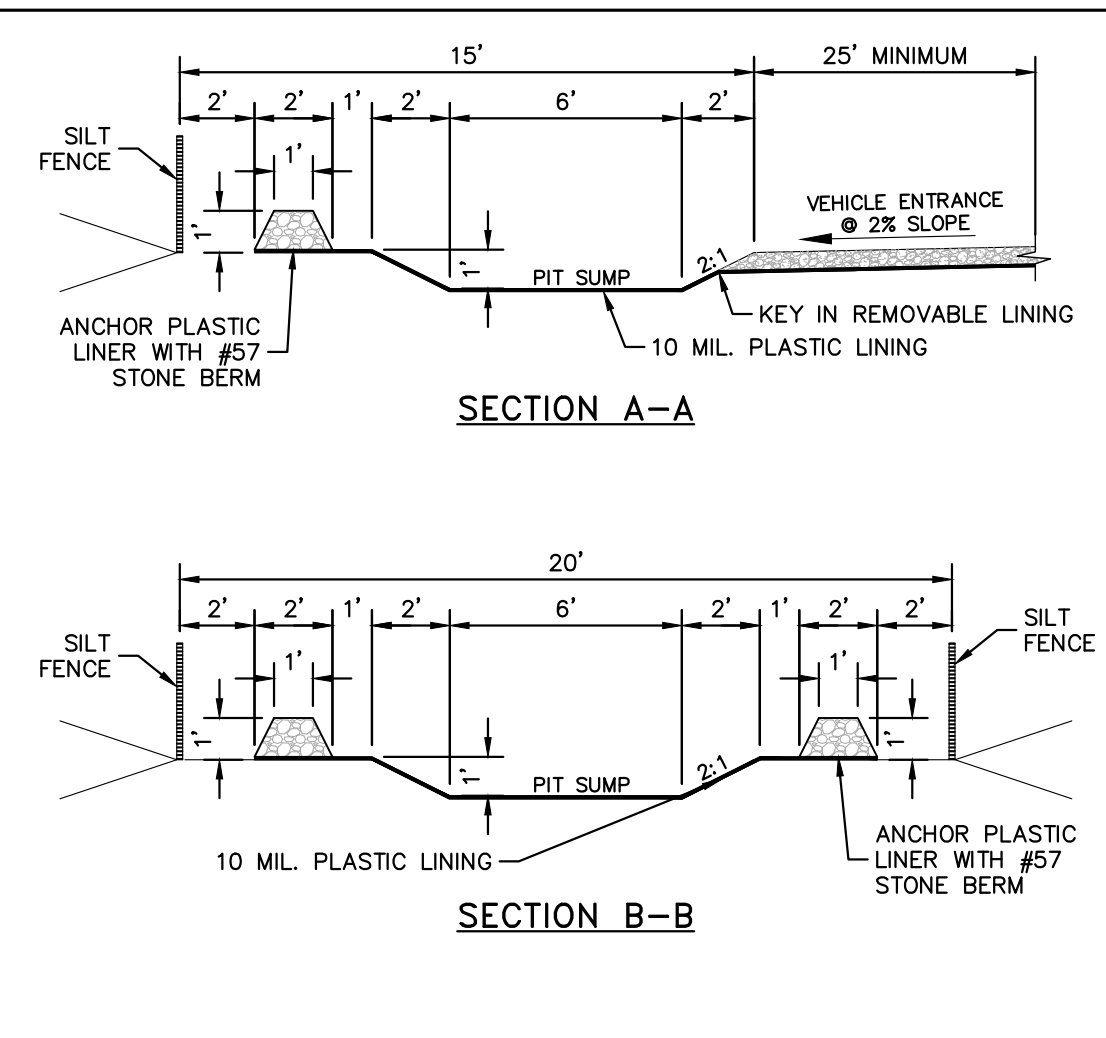
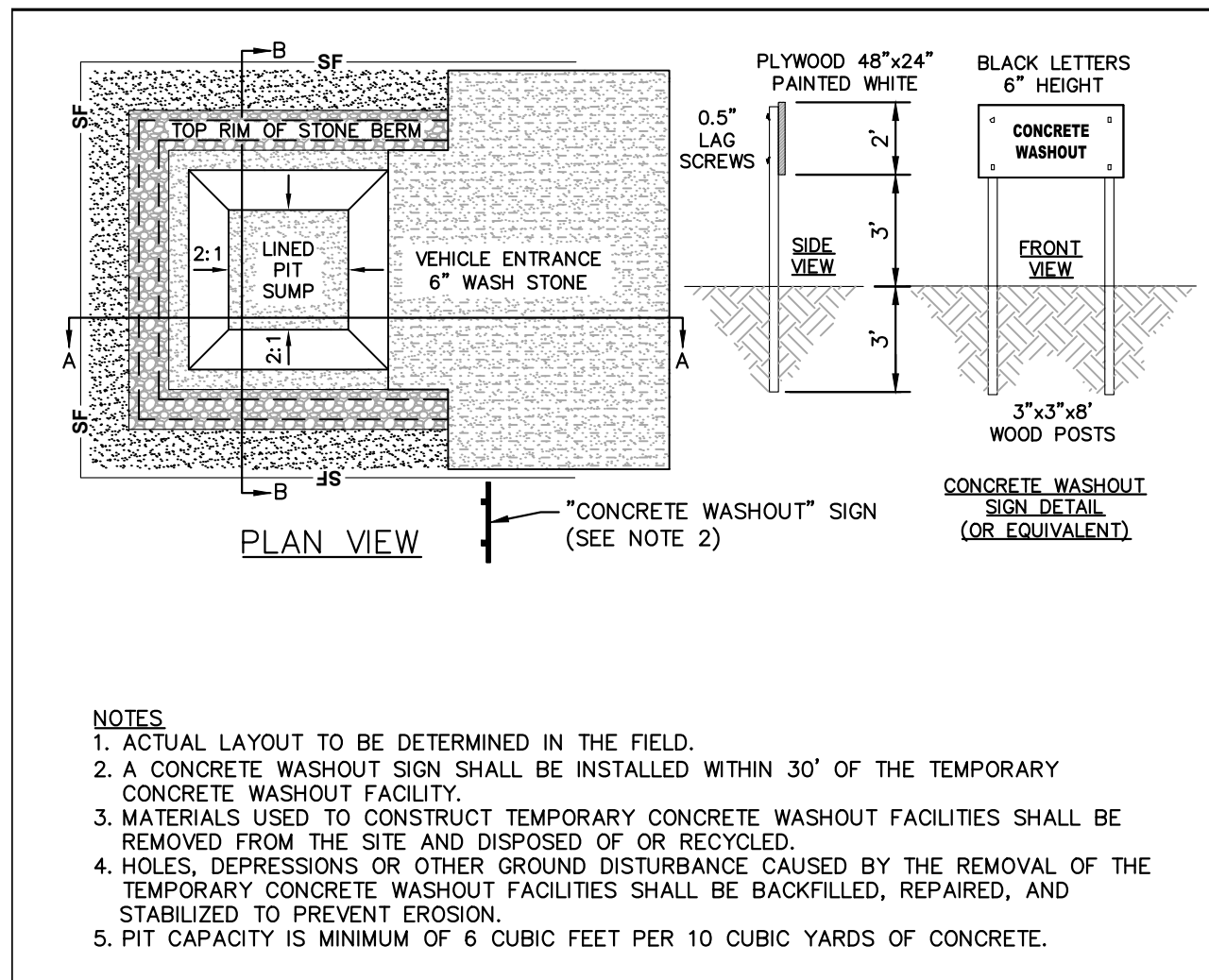
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C5.1

Kimley»Horn

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#F-0102 WWW.KIMLEY-HORN.COM PHONE: 919.677.2000 FAX: 919.677.2050
421 FAYETTEVILLE STREET, SUITE 800, RALEIGH, NC 27601

NO.	REVISIONS	DATE	BY
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Plotted By: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE EROSION CONTROL DETAILS January 02, 2024 09:06:49pm K:\RAL_LDEV013031004_Rolesville_Layout\05.2 EROSION CONTROL DETAILS.dwg
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THE LEARNING CENTER ROLESVILLE
 PREPARED FOR
 ROLESVILLE, LLC.
 TOWN OF ROLESVILLE
 NORTH CAROLINA

EROSION CONTROL
 DETAILS

SHEET NUMBER
C5.2

KHA PROJECT
 013031004

DATE
 09/29/2023

SCALE
 AS SHOWN

DESIGNED BY
 JAA

DRAWN BY
 JAA

CHECKED BY
 COB

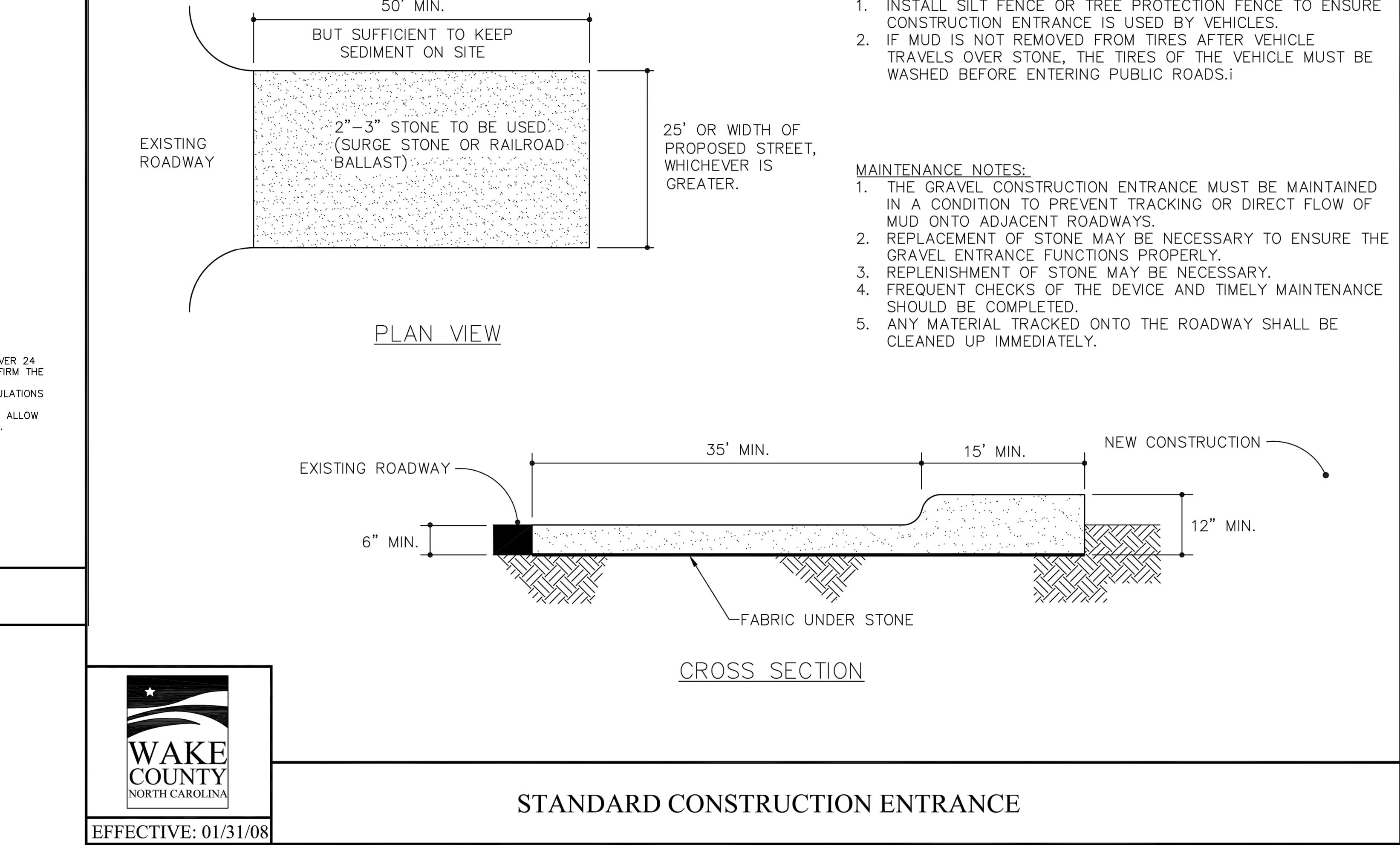
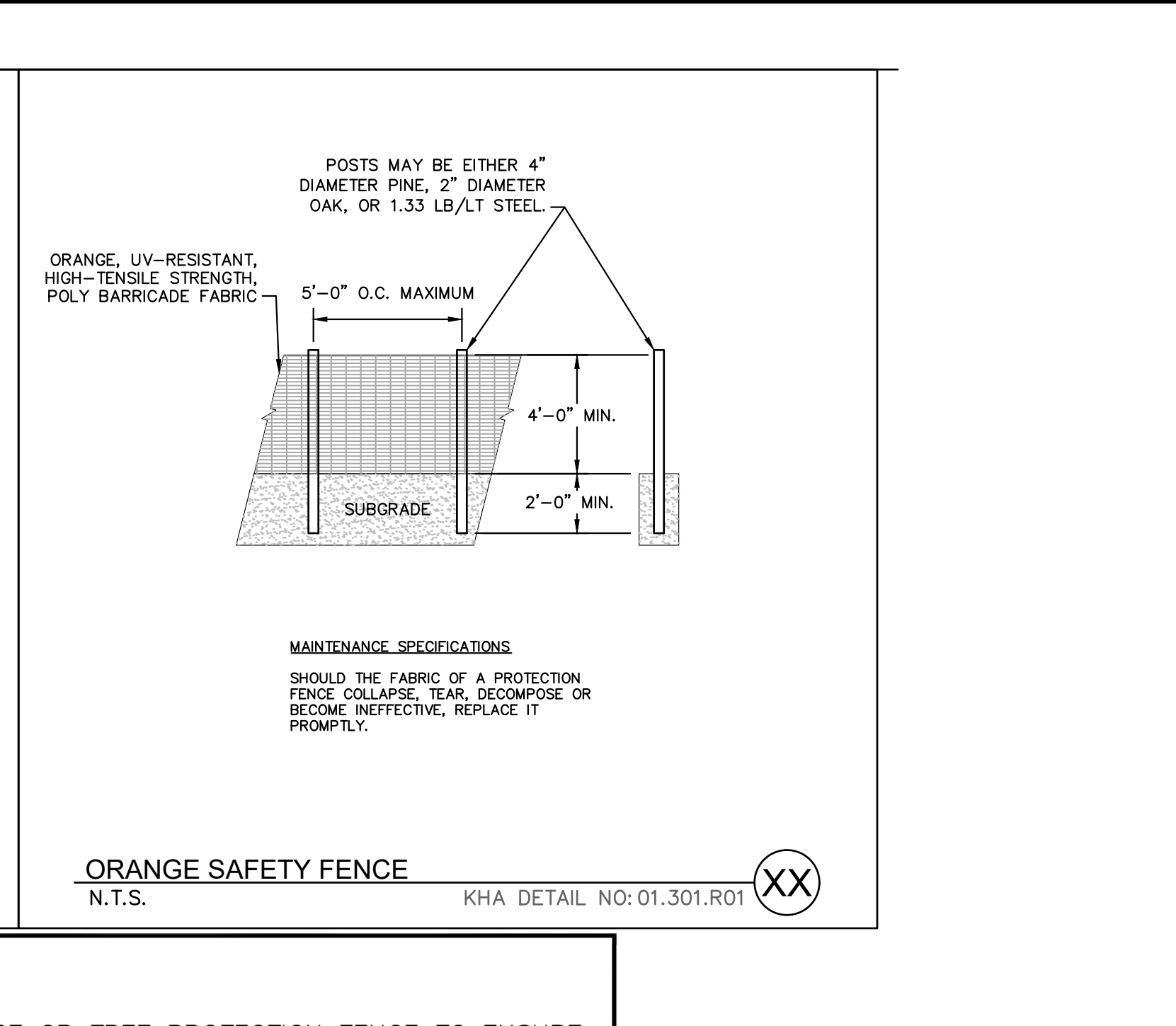
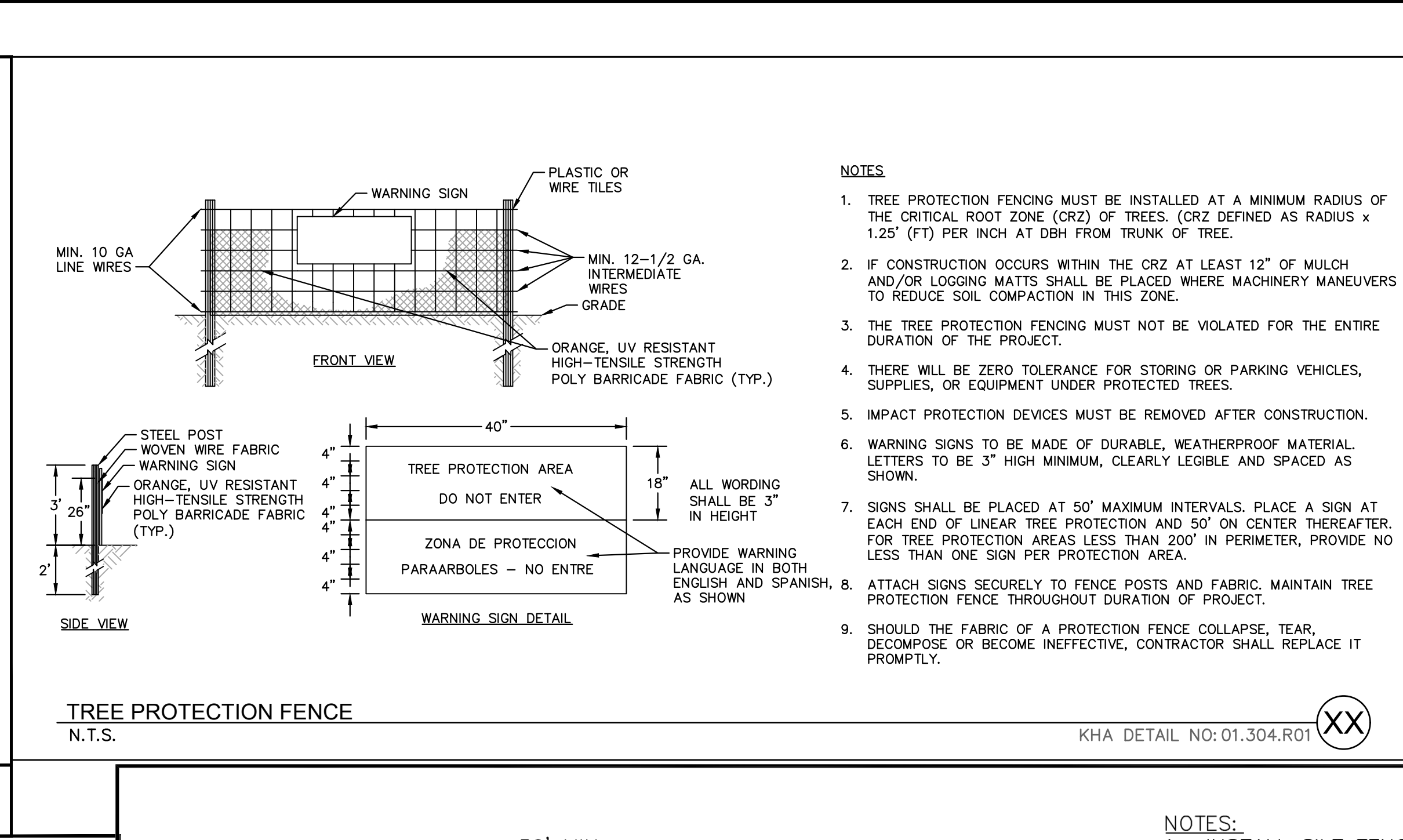
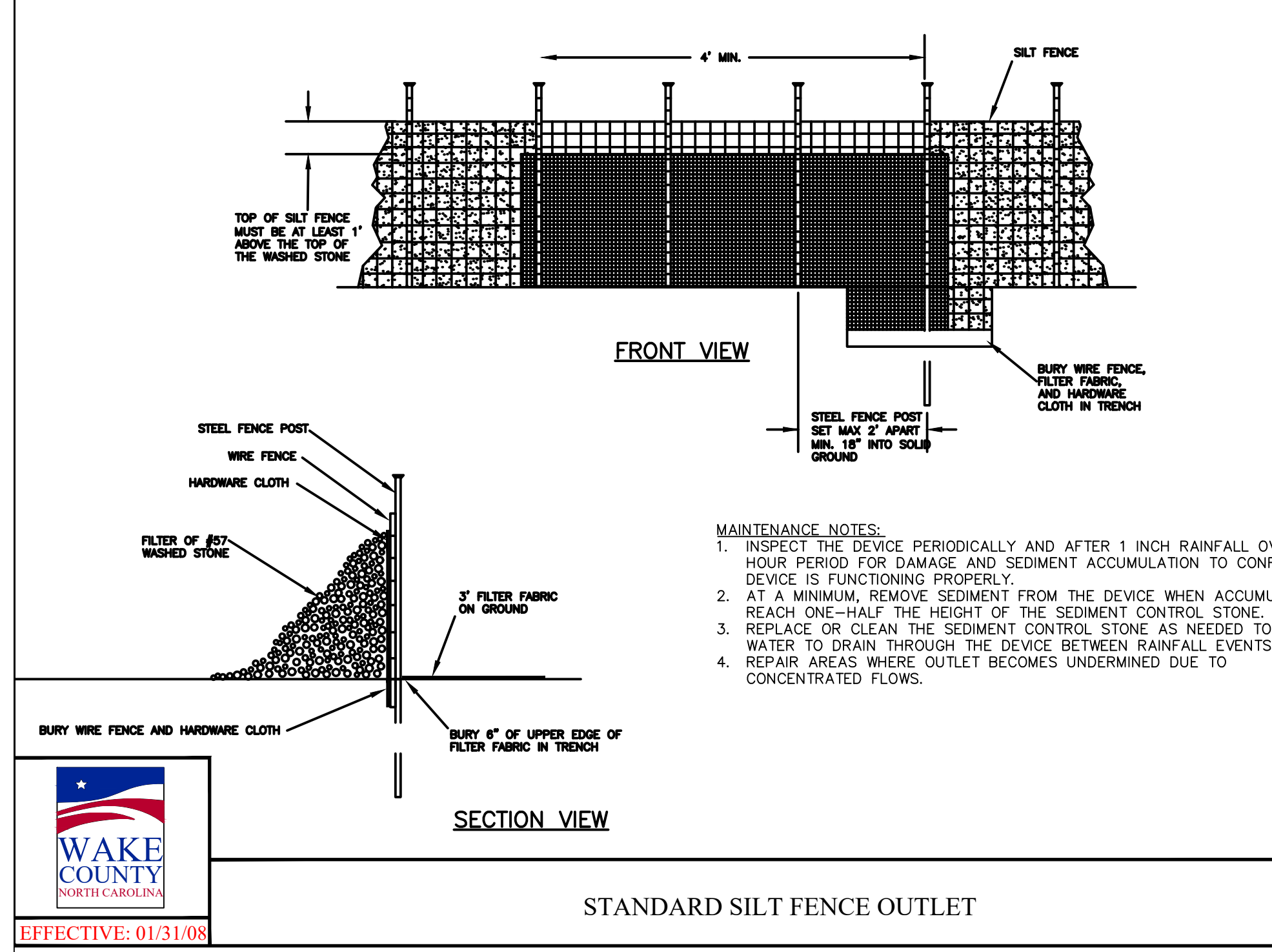
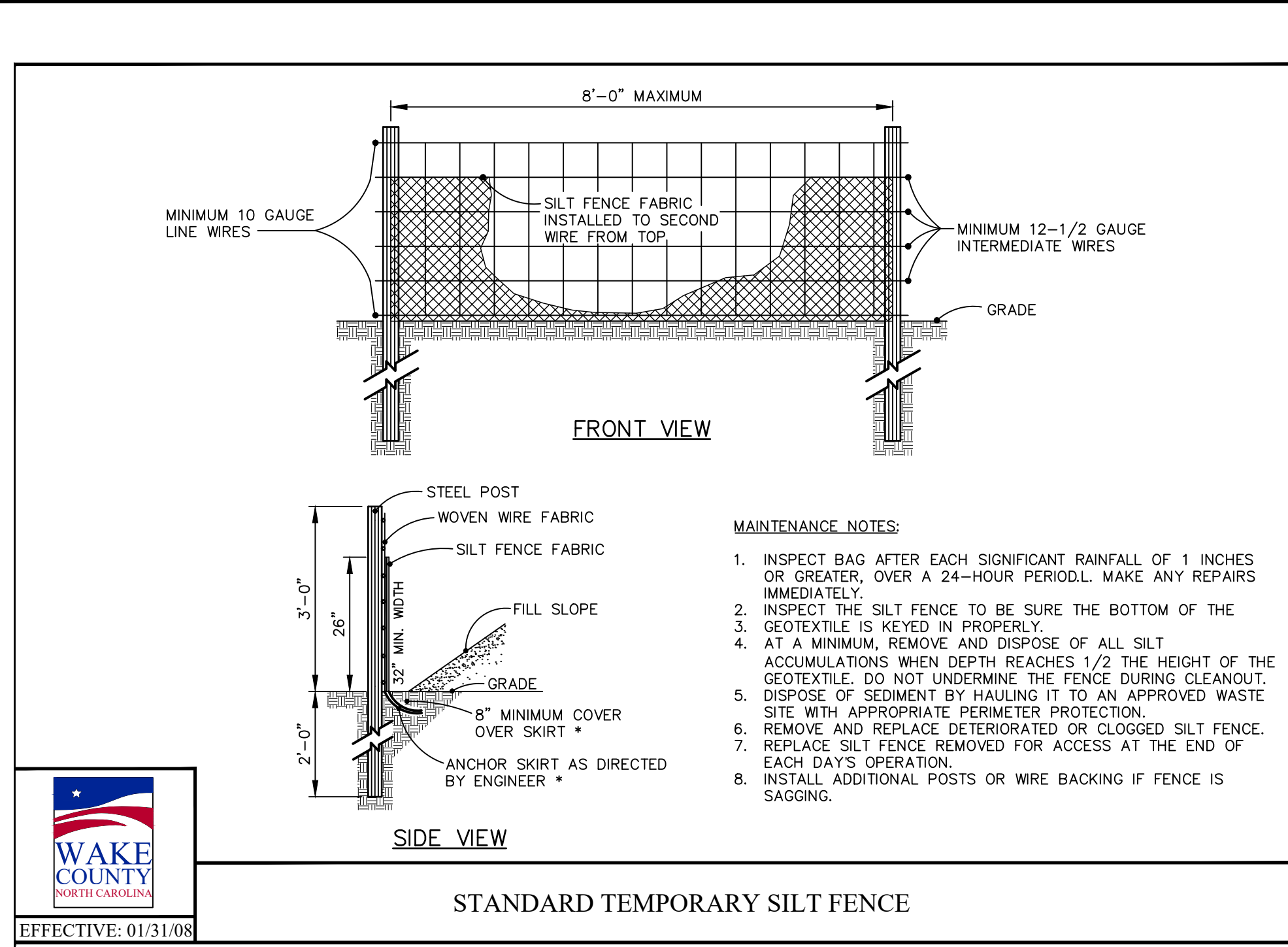
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 No.

DATE



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WAKE COUNTY NORTH CAROLINA

EFFECTIVE: 01/31/08

WAKE COUNTY NORTH CAROLINA

EFFECTIVE: 01/31/08

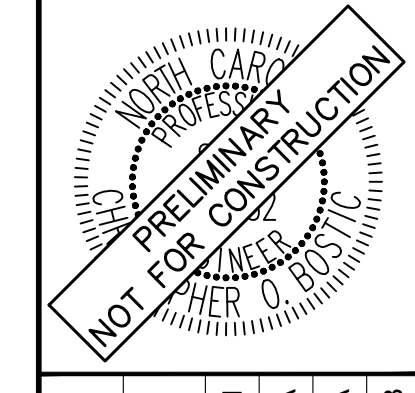
WAKE COUNTY NORTH CAROLINA

EFFECTIVE: 01/31/08

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KHA PROJECT	013031004
DATE	09/29/2023
SCALE	AS SHOWN
DESIGNED BY	JAA
DRAWN BY	JAA
CHECKED BY	COB

THE LEARNING CENTER ROLESVILLE

EROSION CONTROL DETAILS

THE LEARNING CENTER ROLESVILLE

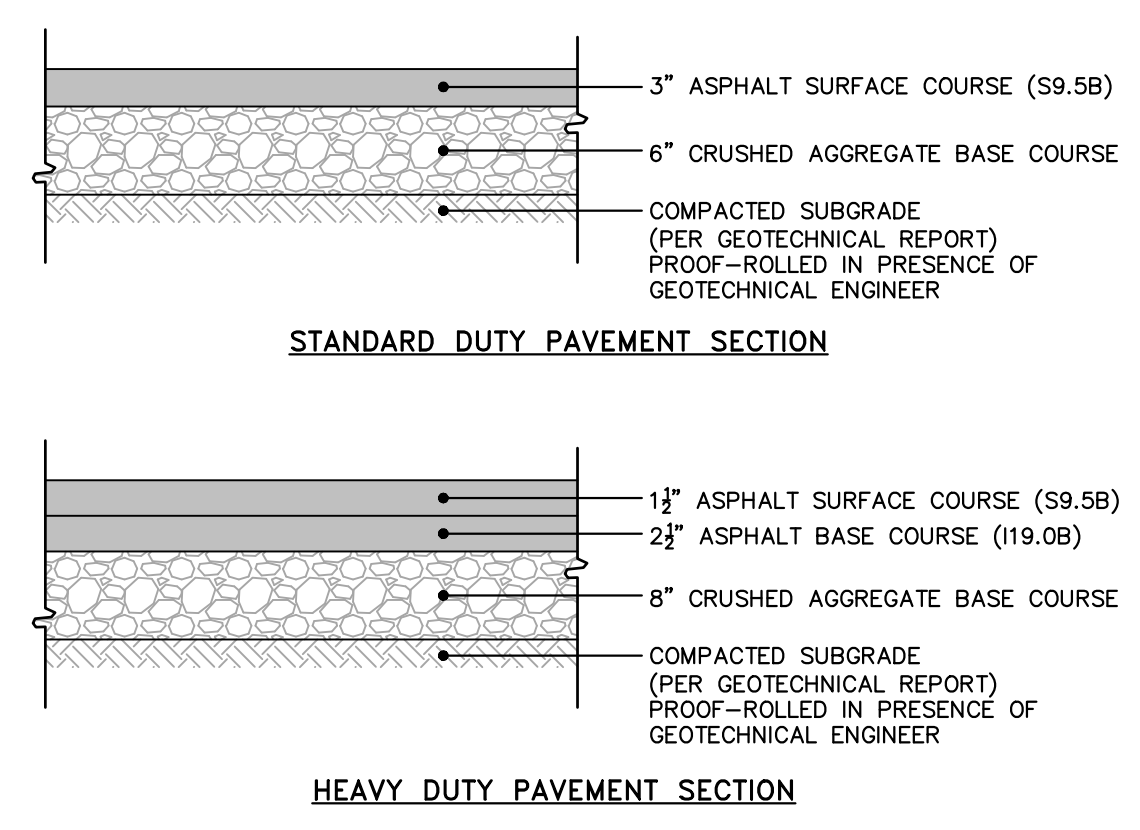
PREPARED FOR
ROLESVILLE, LLC.

TOWN OF ROLESVILLE
 NORTH CAROLINA

SHEET NUMBER
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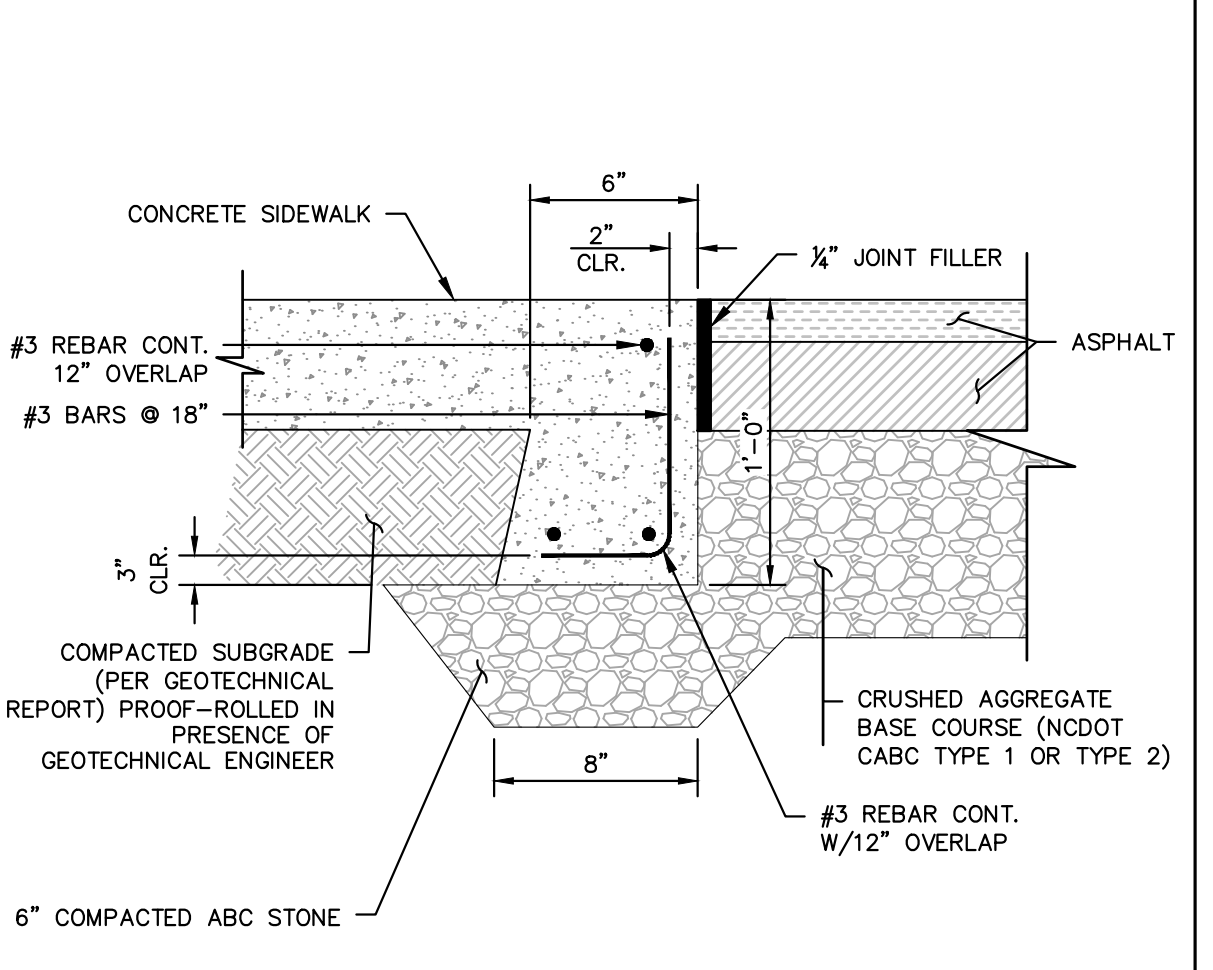


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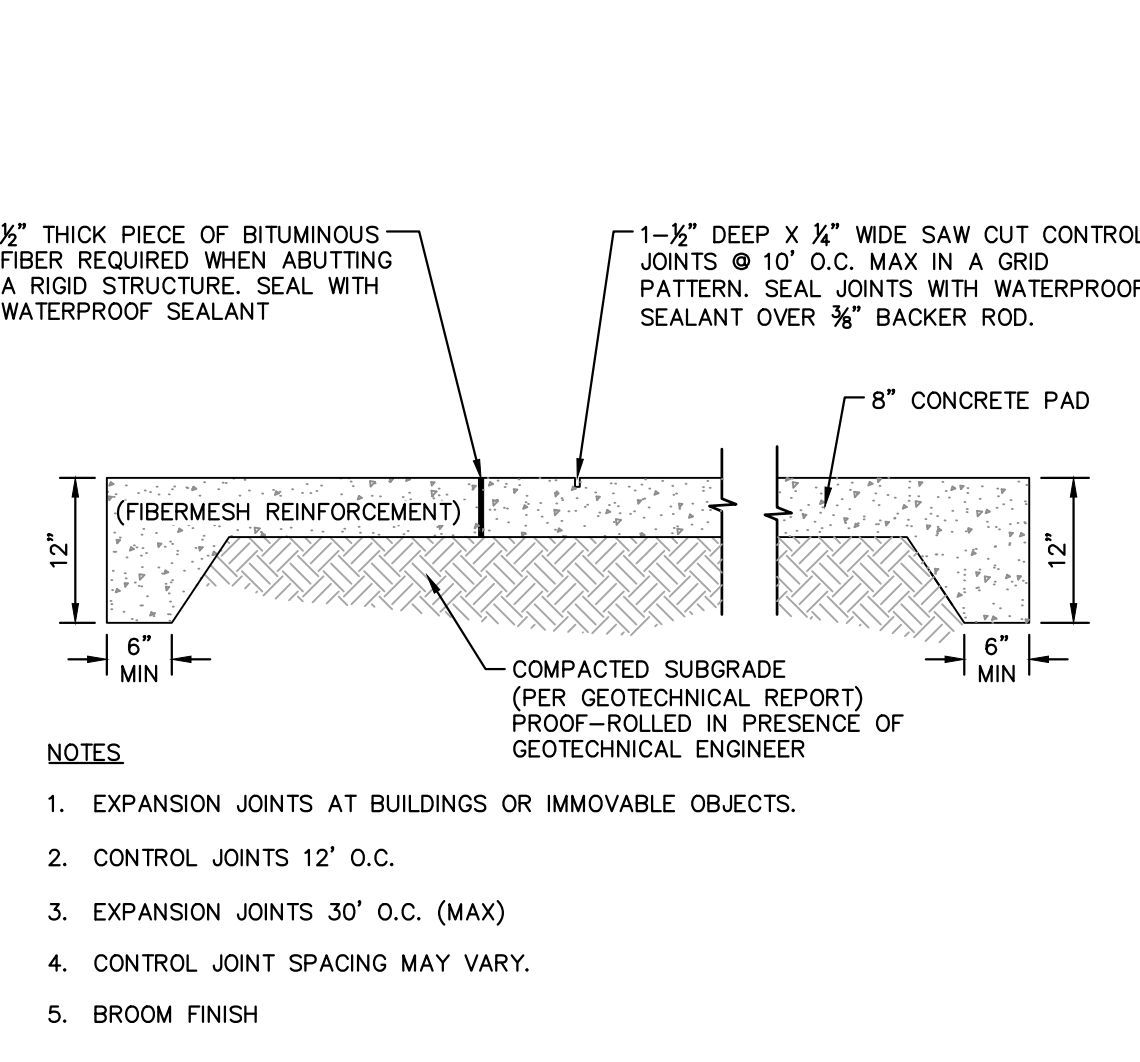


NOTES
1. ALL PAVEMENT MATERIALS SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) STANDARD SPECIFICATIONS.
2. PAVEMENT SECTION MUST MEET THE CRITERIA GIVEN IN THE SITE SOIL REPORT.

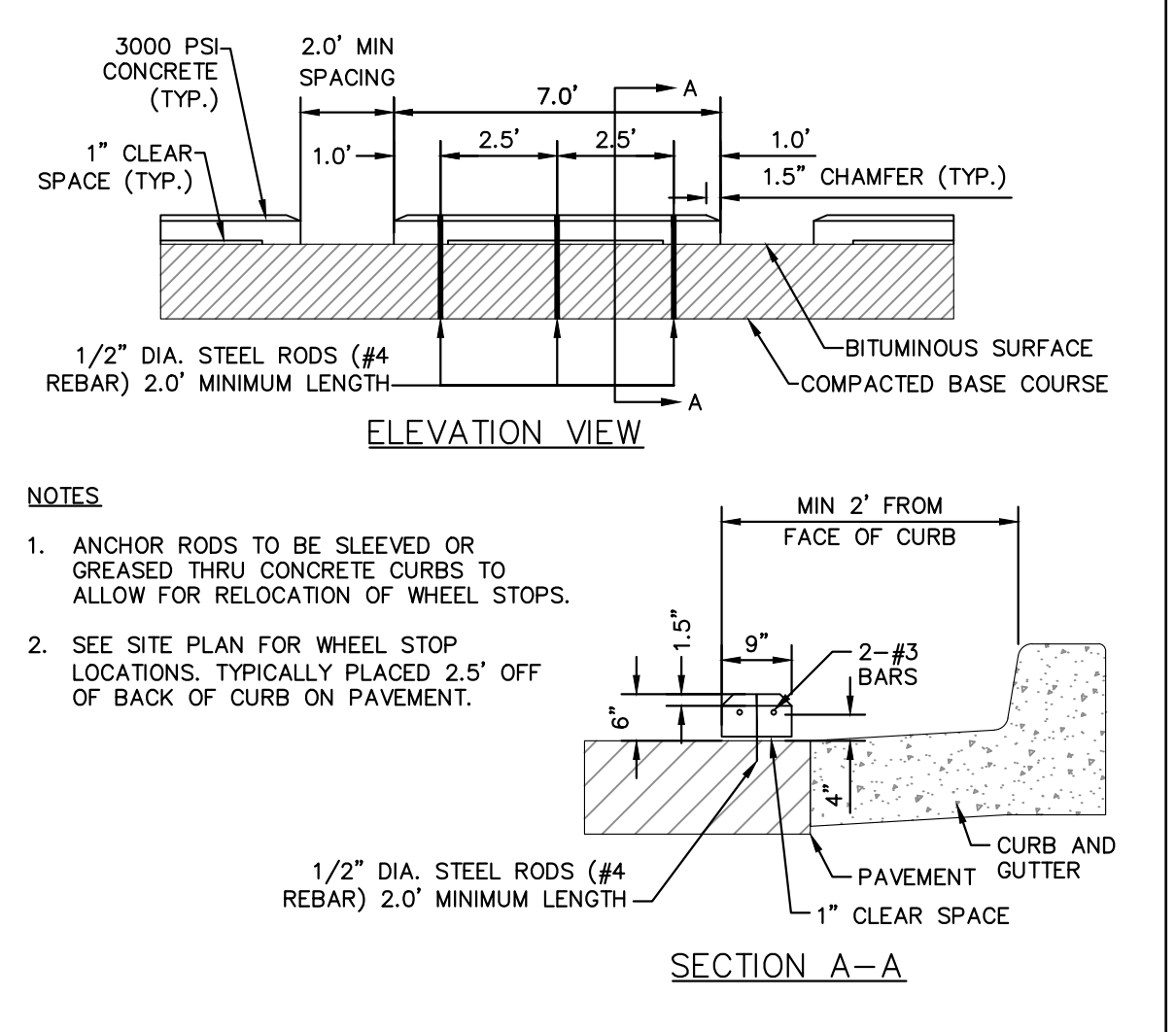
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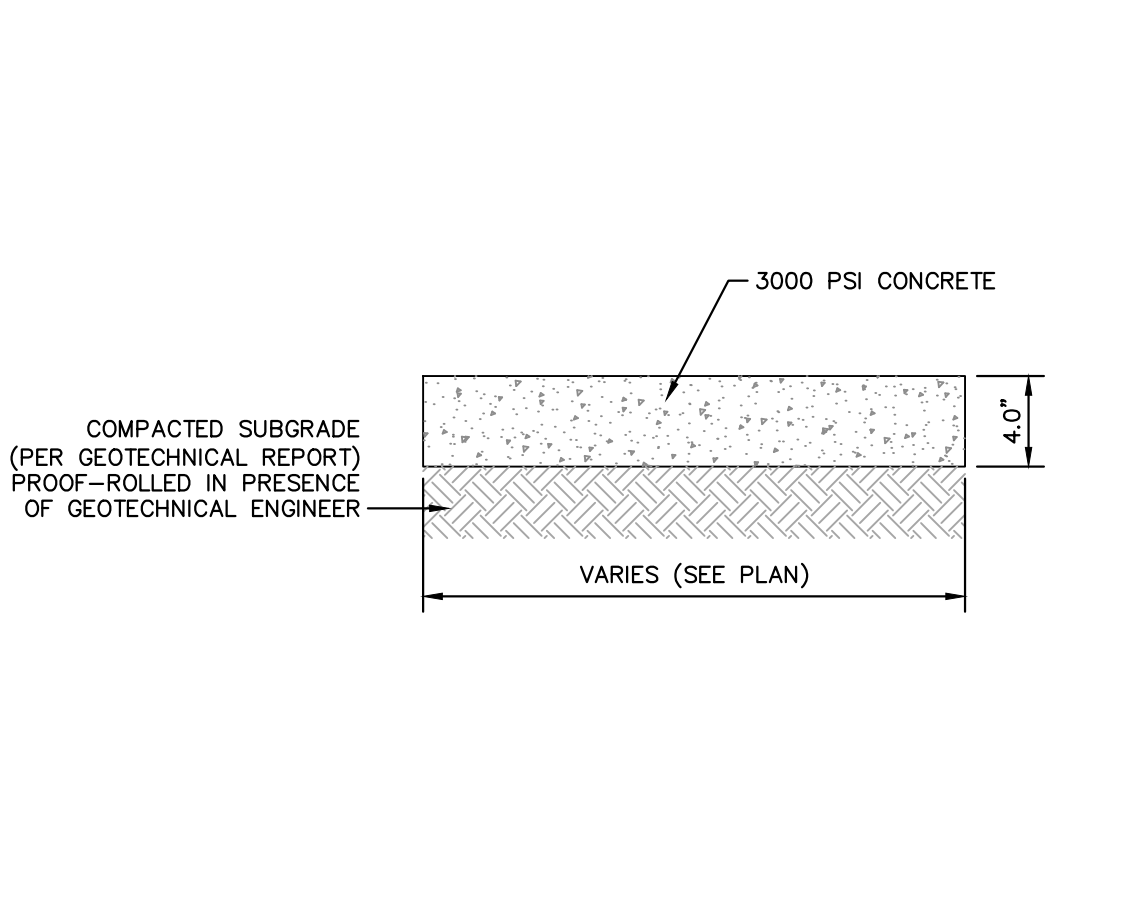
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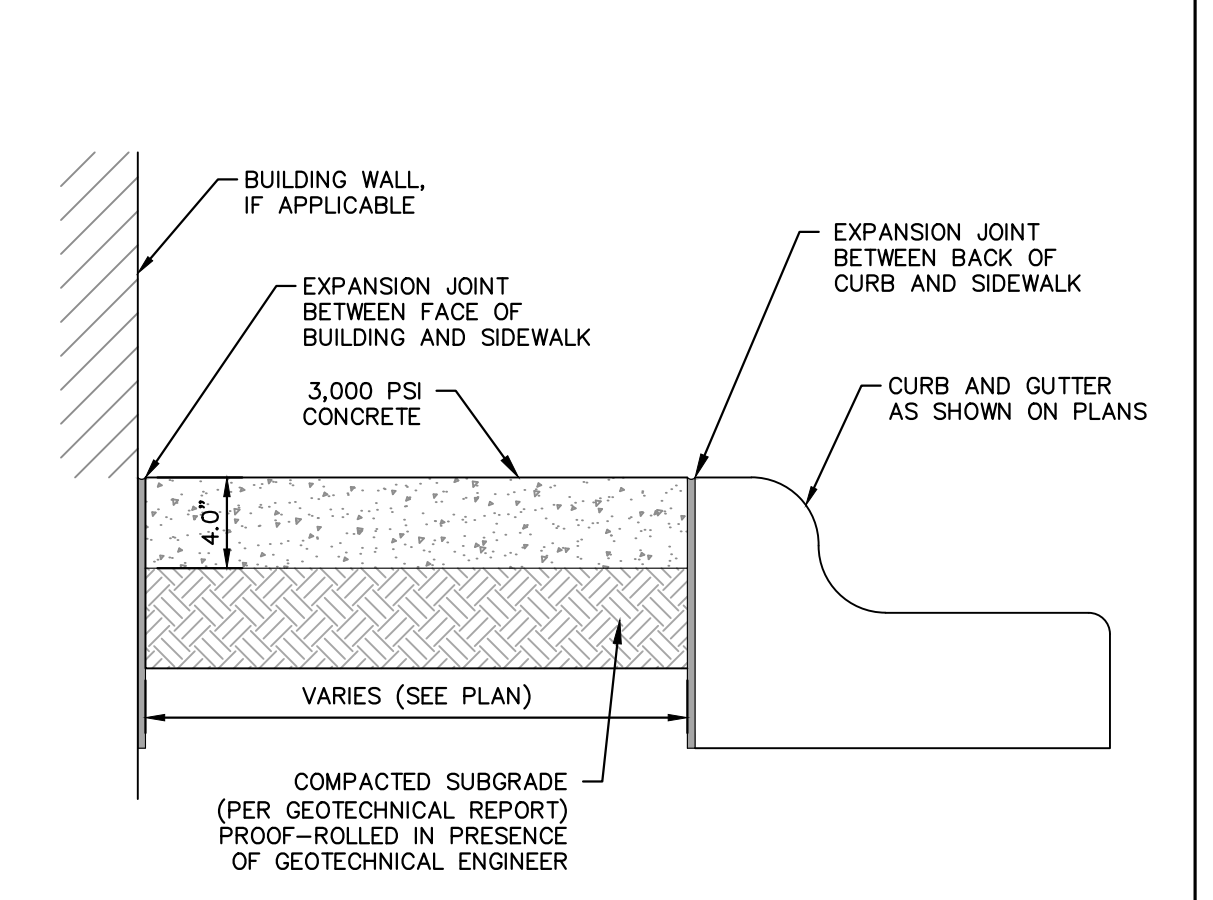
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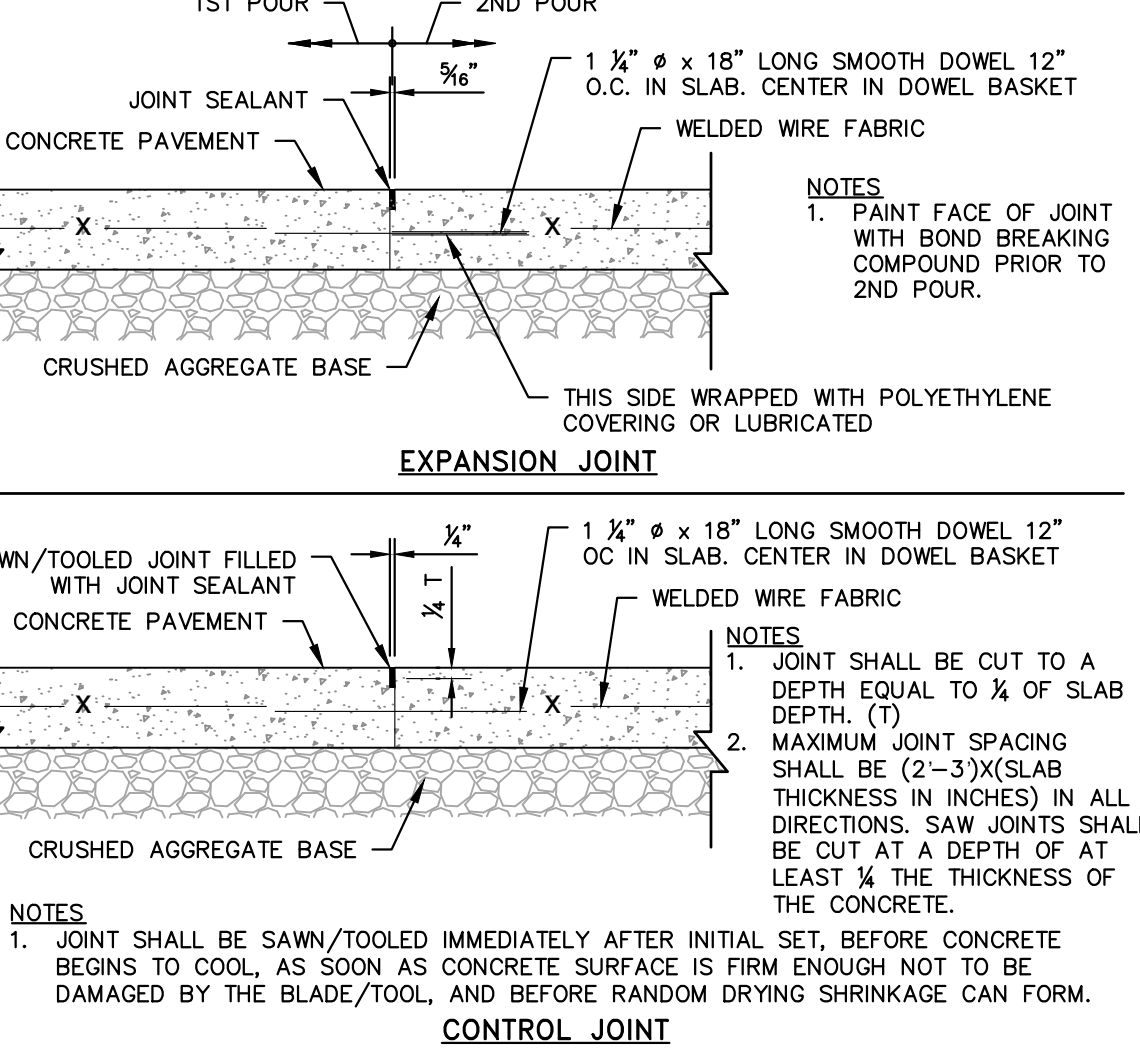
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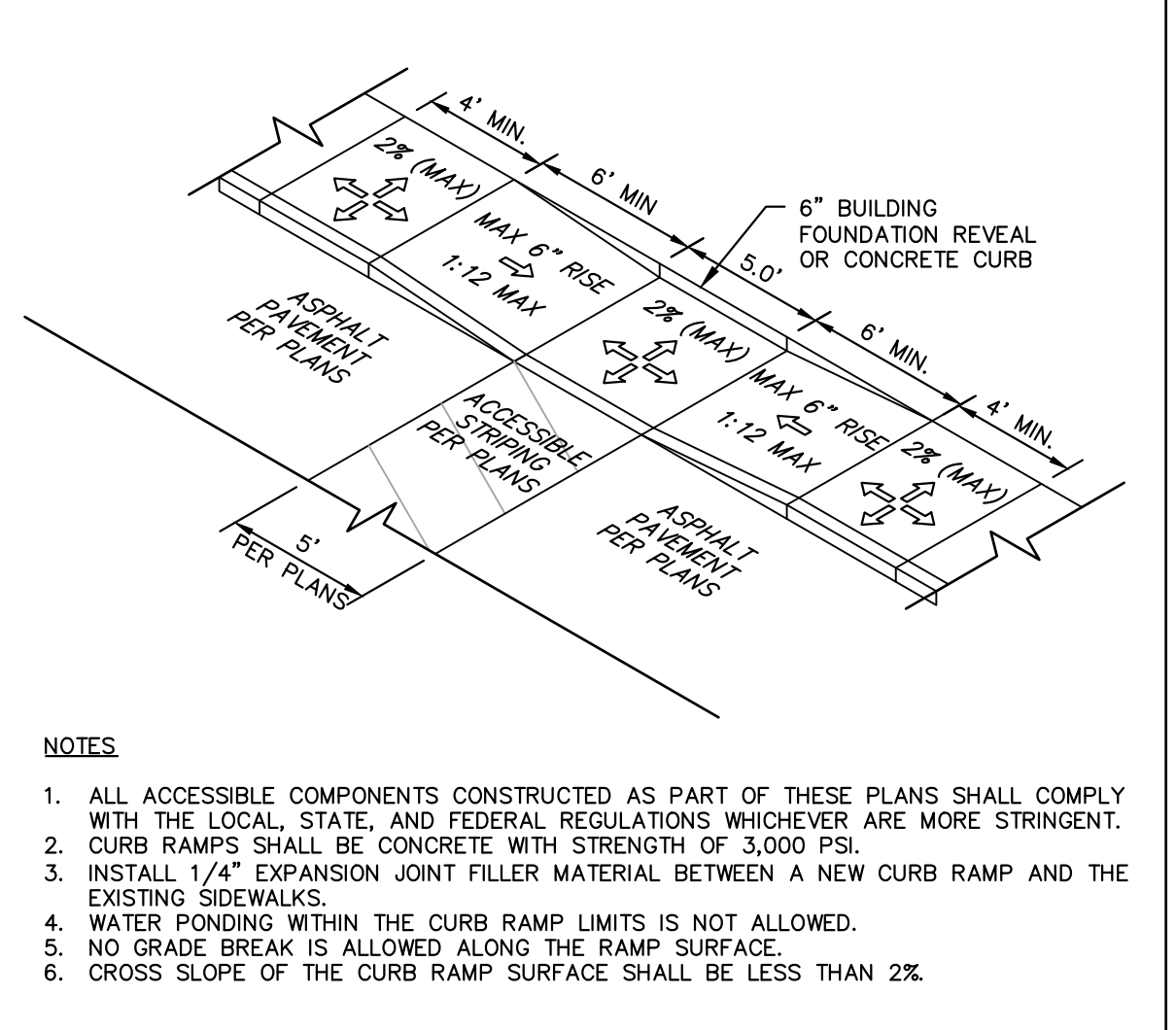
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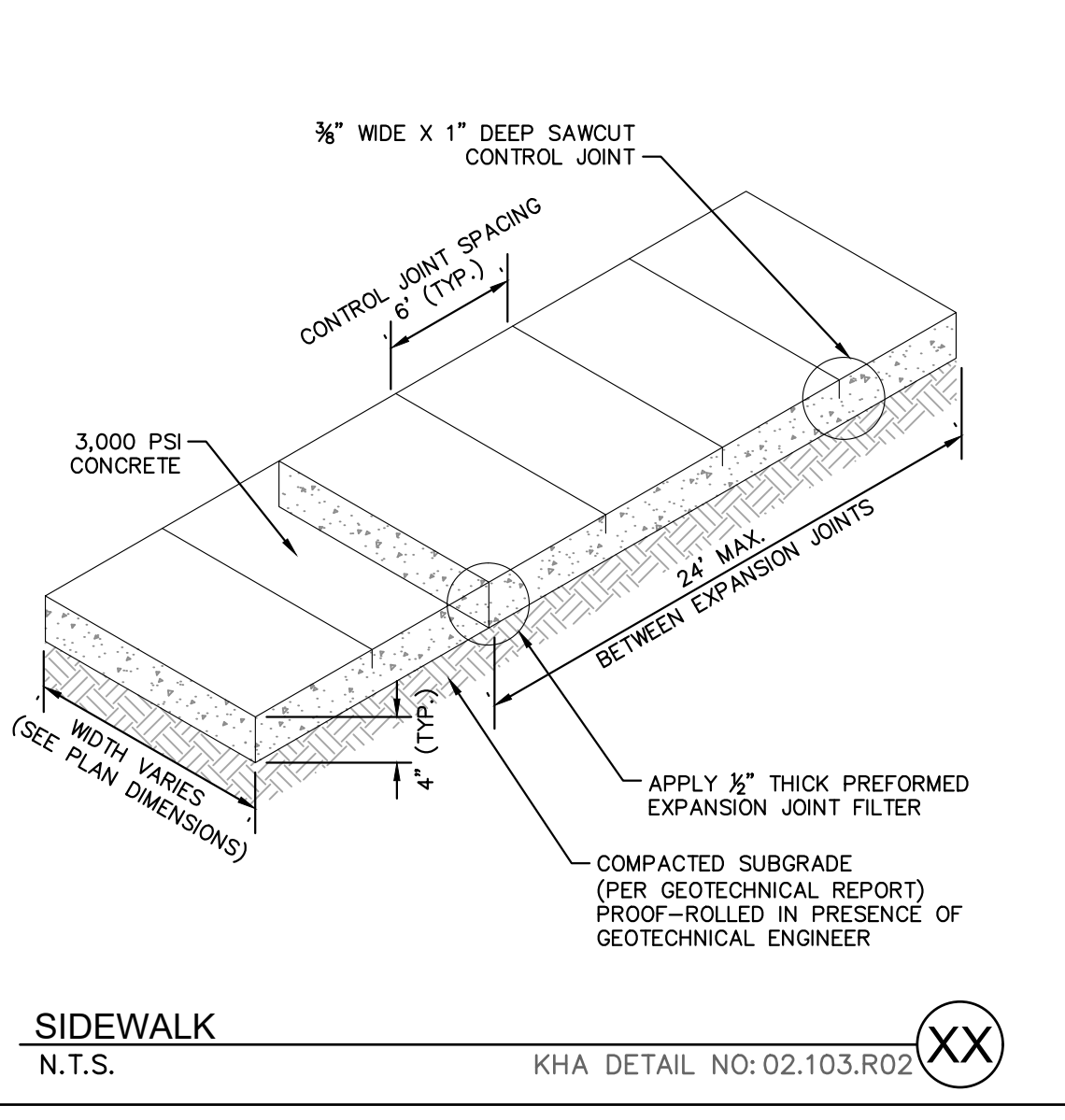
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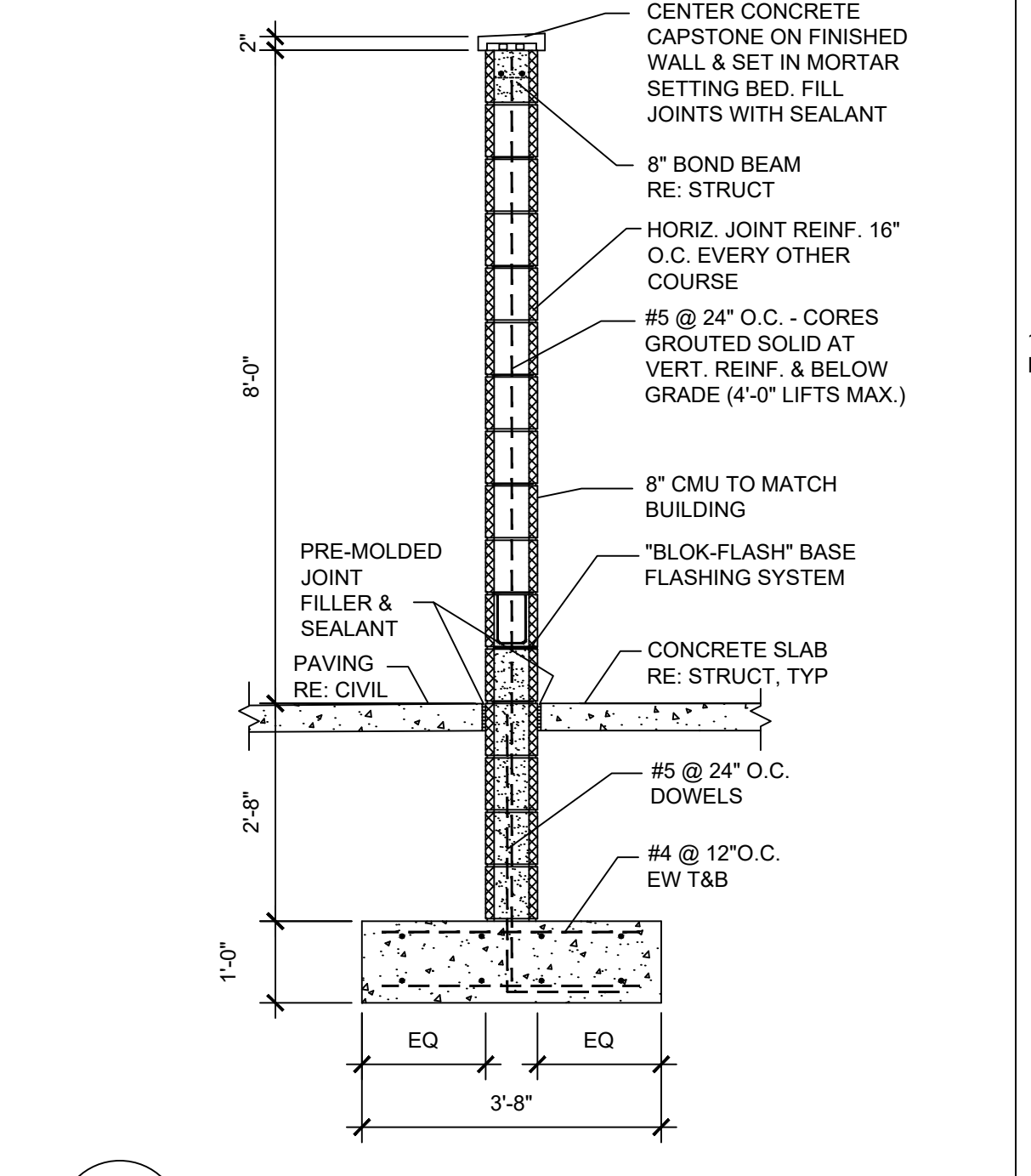
HEAVY DUTY CONTROL AND EXPANSION JOINTS
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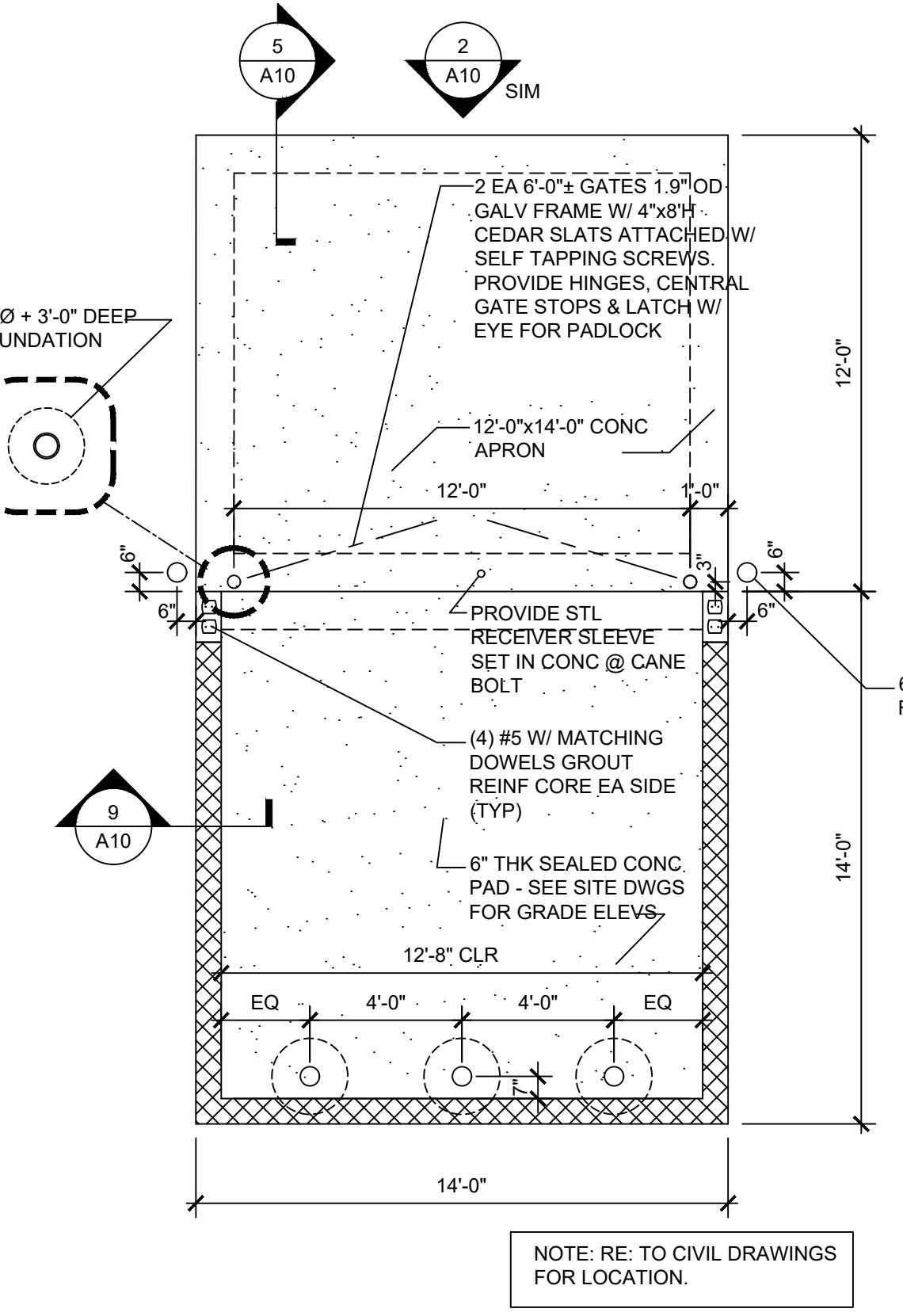
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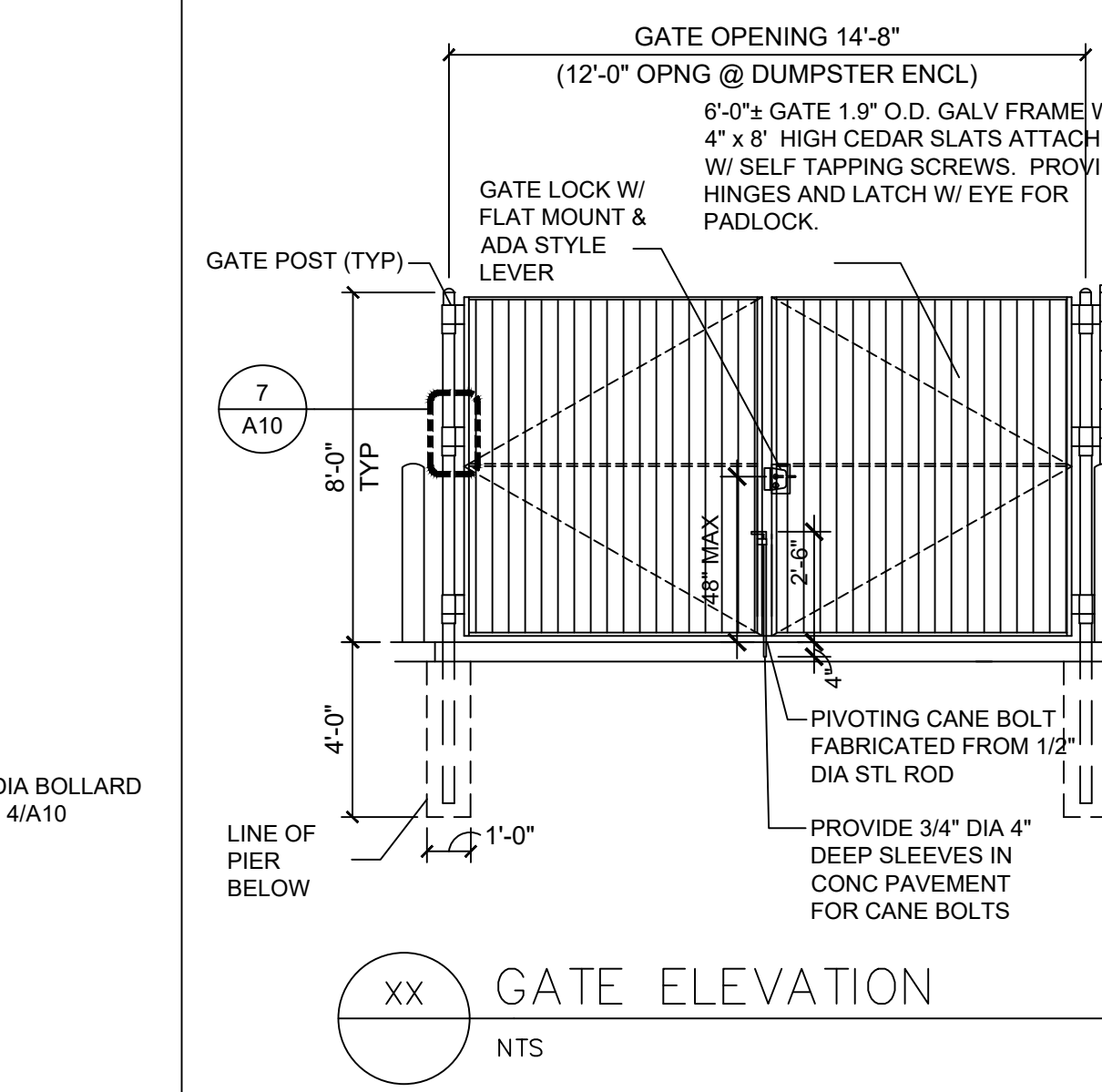
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ENCLOSURE SECTION
N.T.S.



DUMPSTER ENCLOSURE PLAN
N.T.S.



GATE ELEVATION
N.T.S.

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.



THE LEARNING CENTER ROLESVILLE PREPARED FOR ROLESVILLE, LLC. TOWN OF ROLESVILLE NORTH CAROLINA

Kimley Horn

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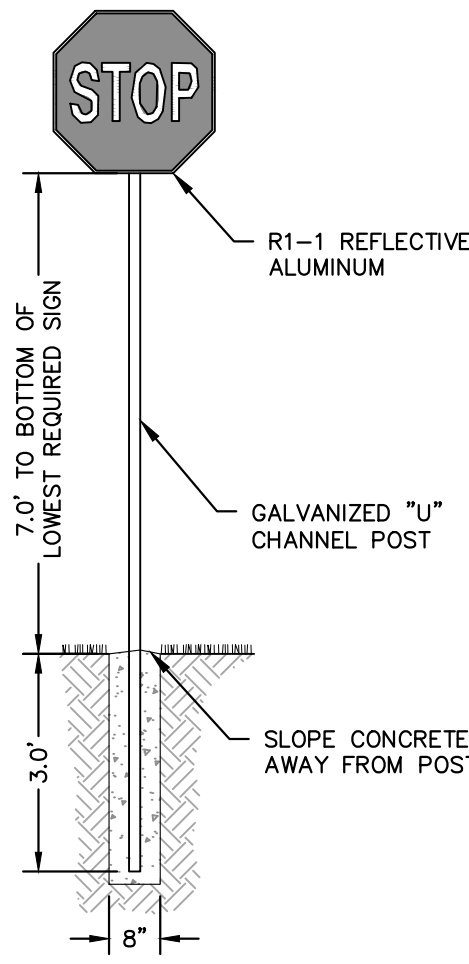
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KHA PROJECT 013031004 DATE 09/29/2023 SCALE AS SHOWN DESIGNED BY JAA DRAWN BY JAA CHECKED BY COB

SHEET NUMBER C8.0

SDP-23-07

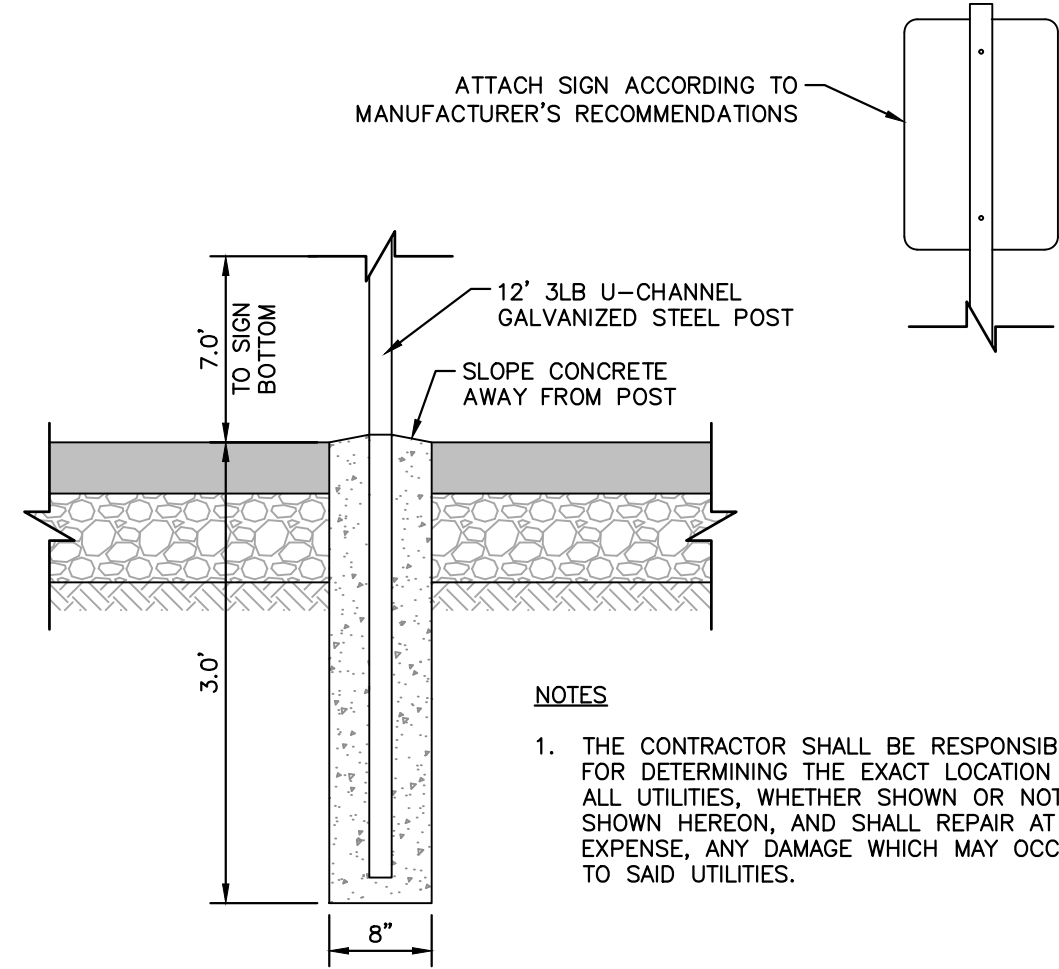
Plotted By: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE, Layout: C8.1 SITE DETAILS January 02, 2024, 09:07:01pm K:\RAL_LDEV\013031004_Rolesville_Learning_Center\10_CAD Files\Plan\Sheet\CR4 SITE DETAILS.dwg
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NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES, WHETHER SHOWN OR NOT SHOWN HEREON, AND SHALL REPAIR AT HIS EXPENSE, ANY DAMAGE WHICH MAY OCCUR TO SAID UTILITIES

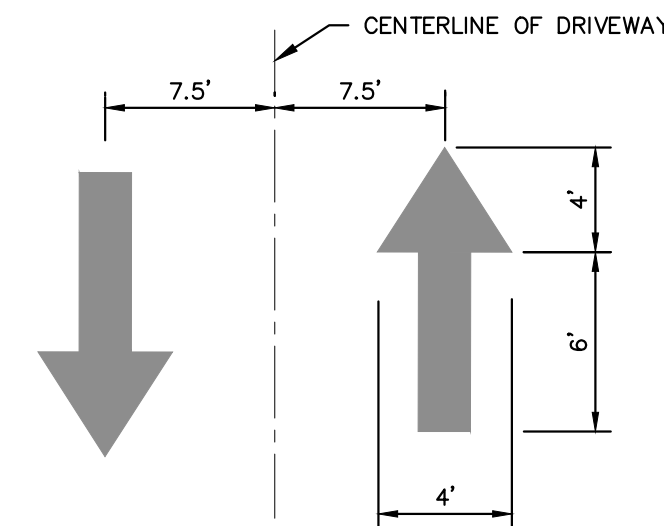
STOP SIGN
N.T.S. KHA DETAIL NO: 02.301.R01 XX



NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES, WHETHER SHOWN OR NOT SHOWN HEREON, AND SHALL REPAIR AT HIS EXPENSE, ANY DAMAGE WHICH MAY OCCUR TO SAID UTILITIES.

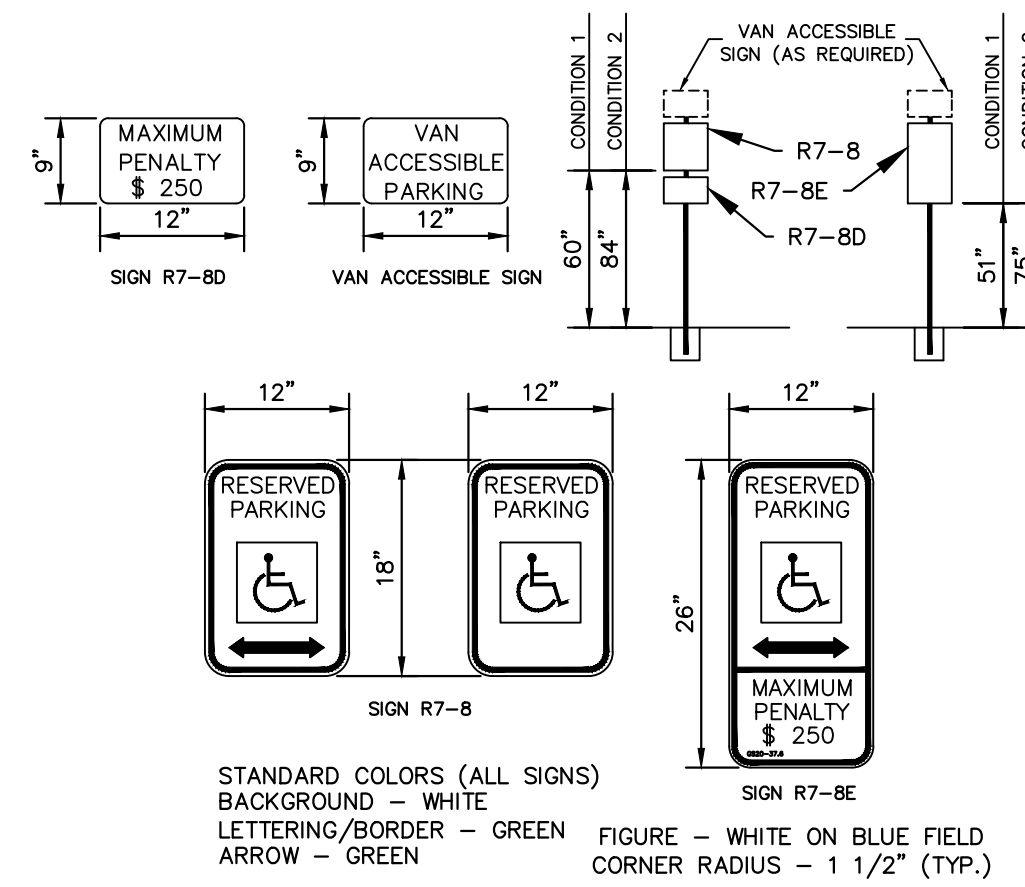
SIGN POST
N.T.S. KHA DETAIL NO: 02.304.R02 XX



NOTES

1. ALL PAVEMENT DIRECTIONAL ARROWS TO BE REFLECTIVE WHITE PAINT

PAVEMENT DIRECTIONAL ARROW
N.T.S. KHA DETAIL NO: 02.306.R01 XX



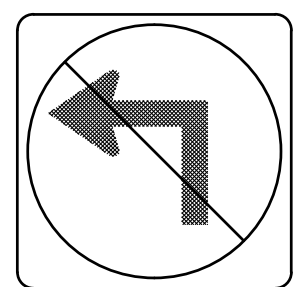
STANDARD COLORS (ALL SIGNS)
BACKGROUND - WHITE
LETTERING/BORDER - GREEN
ARROW - GREEN

FIGURE - WHITE ON BLUE FIELD
CORNER RADIUS - 1 1/2" (TYP.)

ACCESSIBLE SIGN
N.T.S. KHA DETAIL NO: 02.308.R01 XX

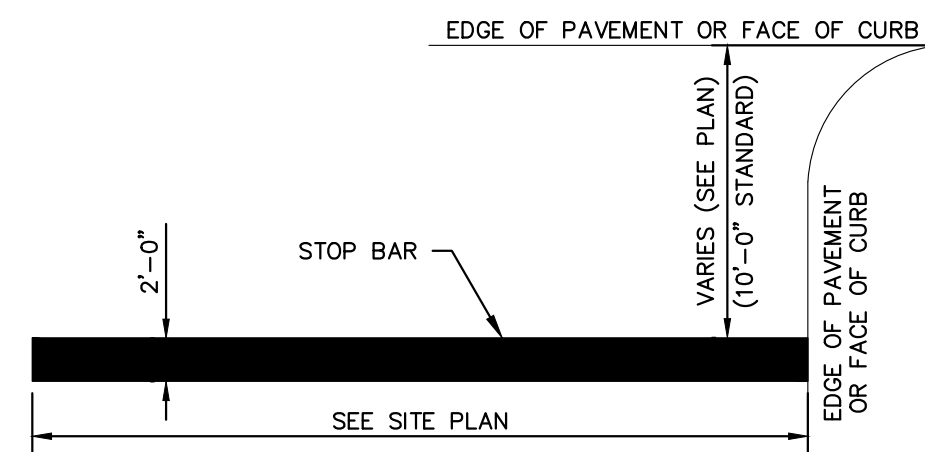


R1-1
30"x30"
MUTCD R1-1 STOP SIGN



R3-2
24"x24"
MUTCD R3-2 NO LEFT TURN SIGN

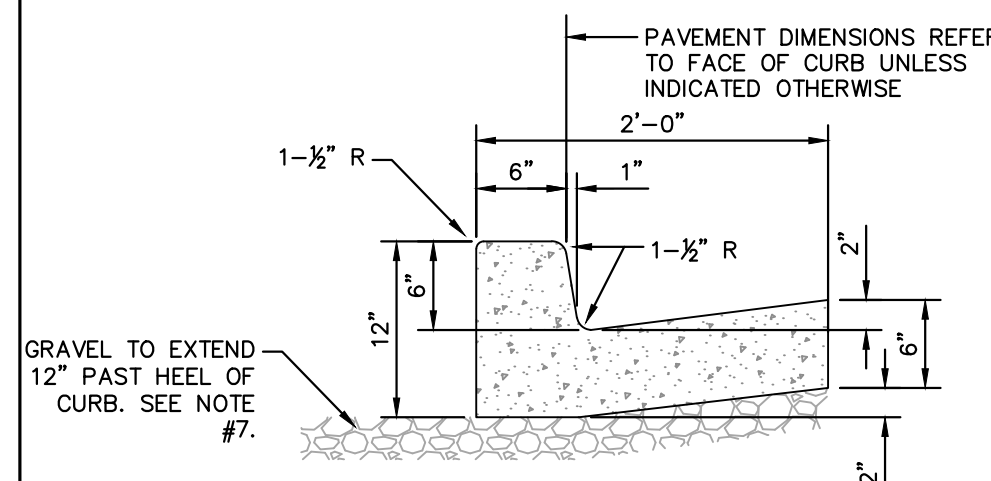
MUTCD STOP & NO LEFT TURN SIGNS
N.T.S. KHA DETAIL NO: 02.302.R01 XX



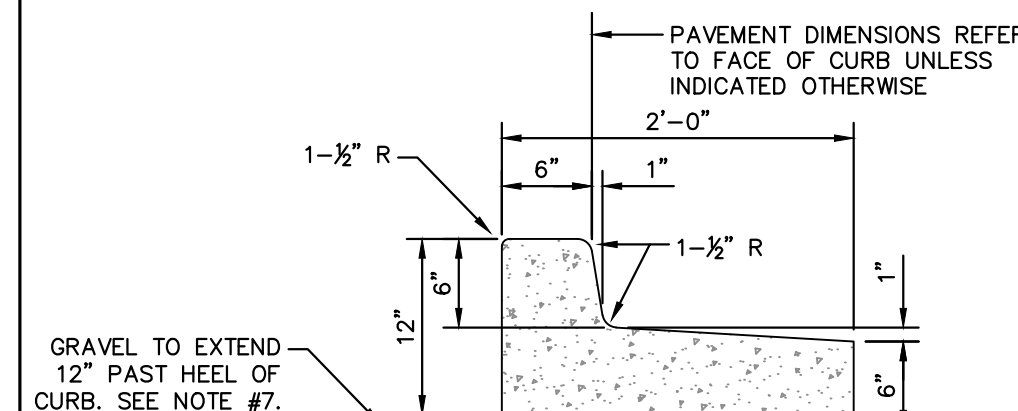
NOTES

1. ALL STOP BARS TO HAVE 2 COATS REFLECTIVE WHITE PAINT.

STOP BAR MARKING
N.T.S. KHA DETAIL NO: 02.307.R01 XX



CATCHING CURB AND GUTTER



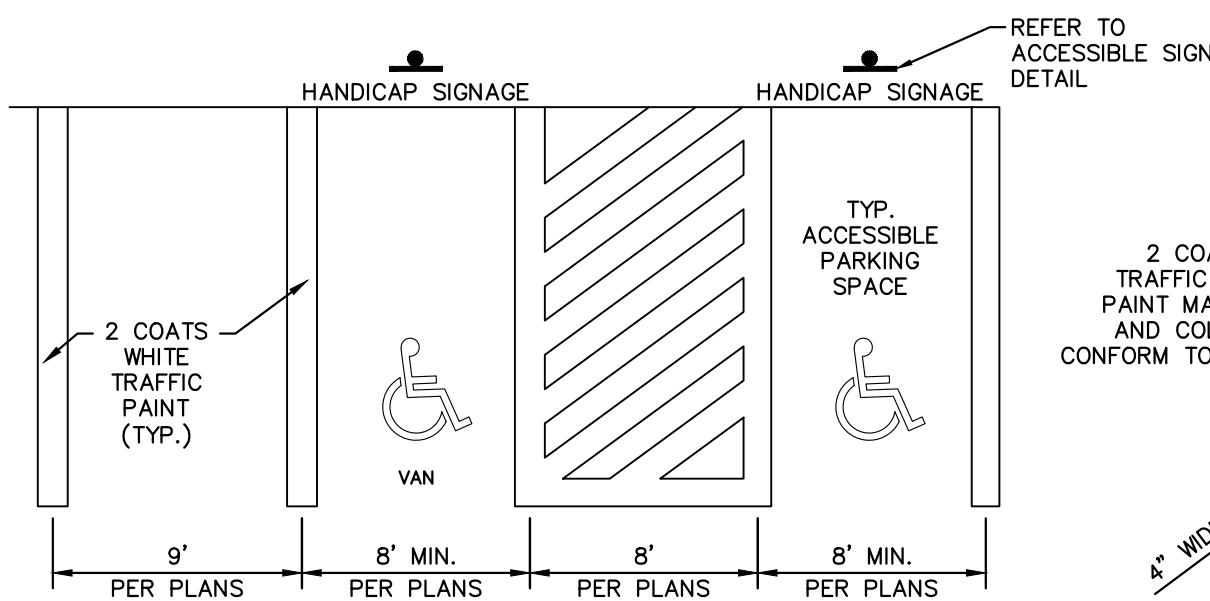
DRY CURB AND GUTTER

NOTE:
INSTALL SPILL CURB IN AREAS WHERE PAVEMENT SLOPES AWAY FROM CURB.

CURB AND GUTTER NOTES

1. CONTRACTION JOINTS SHALL BE SPACED AT 10-FOOT INTERVALS. JOINT SPACING MAY BE ALTERED BY THE ENGINEER TO PREVENT UNCONTROLLED CRACKING.
2. CONTRACTION JOINTS MAY BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1 1/2" SHALL BE OBTAINED.
3. ALL EXPANSION JOINTS SHALL BE SPACED AT 90 FOOT INTERVALS, AND ADJACENT TO ALL RIGID OBJECTS. JOINTS SHALL MATCH LOCATIONS WITH JOINTS IN ABUTTING SIDEWALK.
4. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3000 P.S.I. IN 28 DAYS.
5. CURB SHALL BE DEPRESSED AT INTERSECTIONS TO PROVIDE FOR FUTURE ACCESSIBLE RAMPS, REFER TO SITE PLAN FOR LOCATIONS.
6. TOP 6" OF SUBGRADE BENEATH THE CURB AND GUTTER SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
7. EXTEND GRAVEL 12" PAST HEEL OF CURB IF REQUIRED PER GEOTECHNICAL RECOMMENDATIONS, MIN. DEPTH 4" IF FIELD CONDITIONS WARRANT.

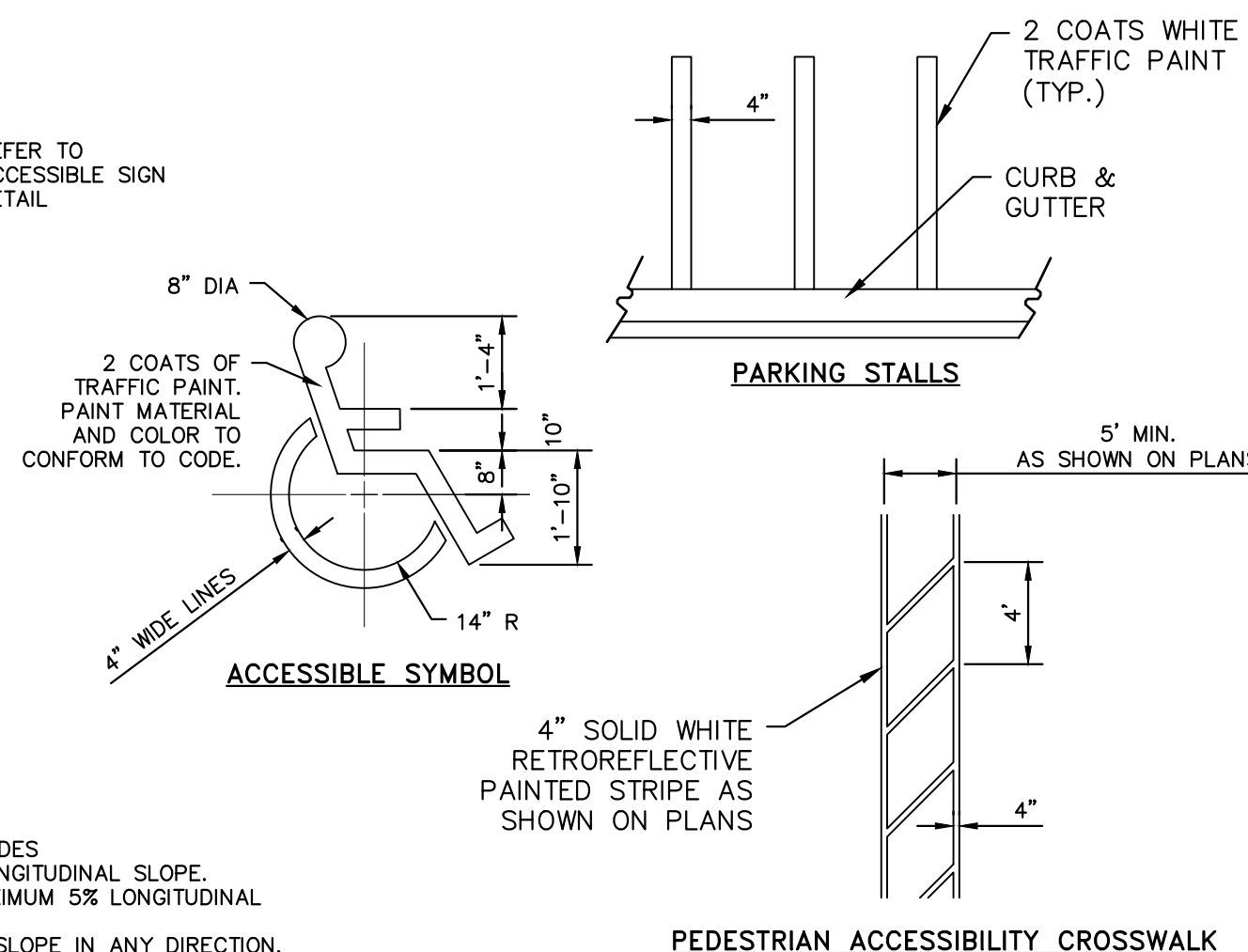
24" CURB AND GUTTER
N.T.S. KHA DETAIL NO: 02.203.R01 XX



NOTES

1. SEE SITE DEVELOPMENT PLAN FOR PARKING DIMENSIONS AND LAYOUT
2. DIMENSIONS SHOWN ARE MINIMUMS
3. ALL STRIPING TO CONFORM TO THE APPLICABLE LOCAL AND FEDERAL CODES
4. SIDEWALKS TO HAVE MAXIMUM 2% CROSS SLOPE AND A MAXIMUM 5% LONGITUDINAL SLOPE.
5. PEDESTRIAN CROSSWALKS TO HAVE MAXIMUM 2% CROSS SLOPE AND MAXIMUM 5% LONGITUDINAL SLOPE WITHIN STRIPED AREA.
6. ADA PARKING AREAS AND ACCESSIBLE AREAS TO HAVE A MAXIMUM 2% SLOPE IN ANY DIRECTION.
7. SIDEWALK INTERSECTIONS AND RAMP LANDINGS TO HAVE A MAXIMUM 2% SLOPE IN ANY DIRECTION.

PAVEMENT STRIPING
N.T.S. KHA DETAIL NO: 02.305.R02 XX



PARKING STALLS

ACCESSIBLE SYMBOL

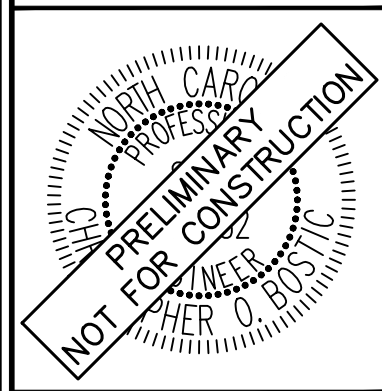
PEDESTRIAN ACCESSIBILITY CROSSWALK

SURVEY NOTE:
EXISTING TOPOGRAPHICAL INFORMATION IS BASED ON A TOPOGRAPHIC SURVEY OBTAINED ON 02/23/2023 BY C&P PROFESSIONAL LAND SURVEYORS, 333 S. WHITE STREET, WAKE FOREST, NC, 27888. 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.

NO.	REVISIONS	DATE	BY
1			
2			
3			
4			
5			
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7			

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 #F-0102 WWW.KIMLEY-HORN.COM PHONE: 919-677-2000 FAX: 919-677-2050
 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601



KHA PROJECT	013031004
DATE	09/29/2023
SCALE	AS SHOWN
DESIGNED BY	JAA
DRAWN BY	JAA
CHECKED BY	COB

SITE DETAILS

THE LEARNING CENTER ROLESVILLE
 PREPARED FOR
ROLESVILLE, LLC.
 TOWN OF ROLESVILLE NORTH CAROLINA

SHEET NUMBER
C8.1



Plotted By: Alexander, Jamal Sheet: THE LEARNING CENTER ROLESVILLE, layout:03.01.STORM.DETAILS January 09, 2024 05:07:13pm K:\RAL_LDE\0130031004_Rolesville_Layouts\CenterPLOT_CAD_RIPRAP\03.01.STORM.DETAILS.dwg This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of any and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

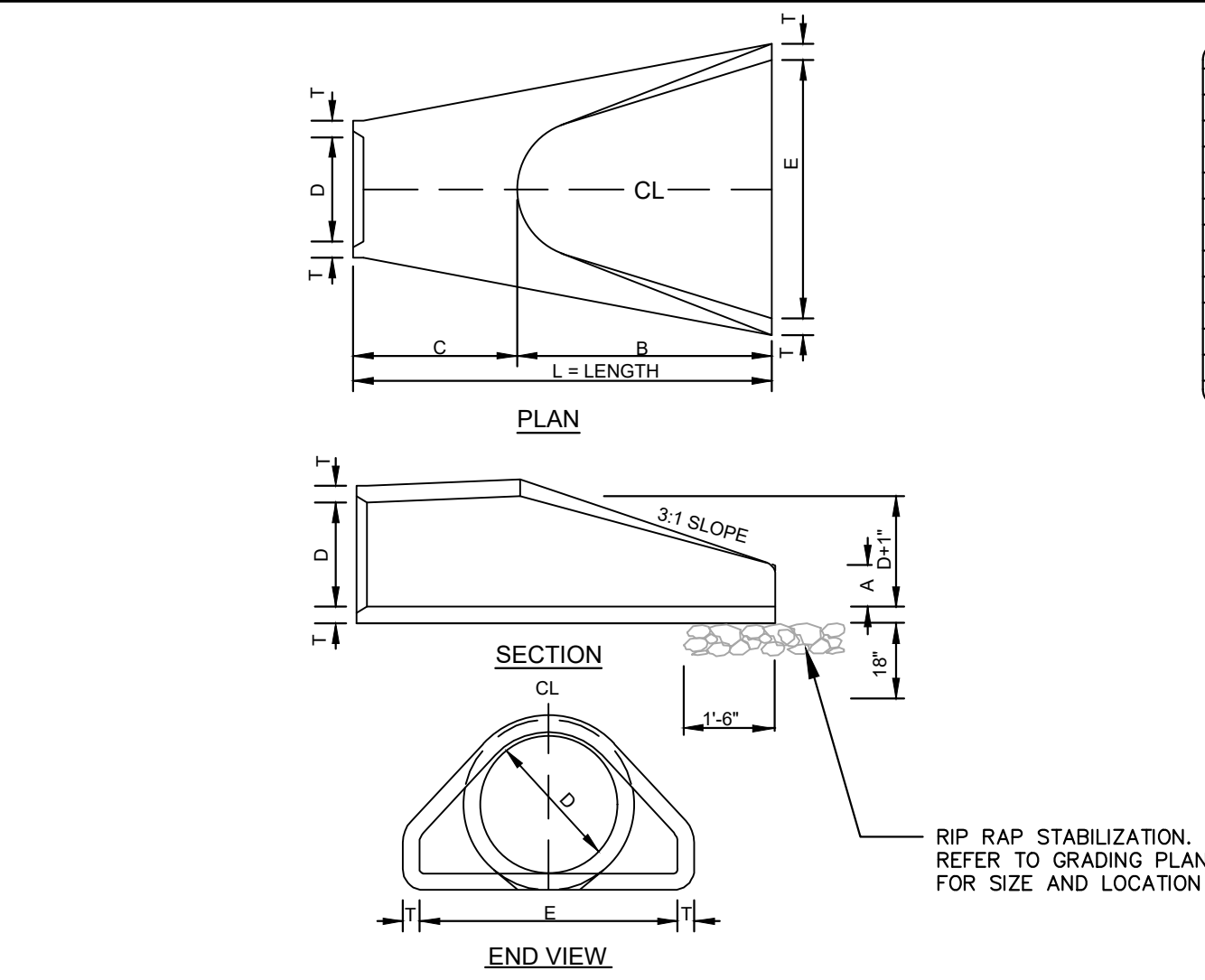


TABLE OF DIMENSIONS table with columns D, T, A, B, C, E, L, WT.

- GENERAL NOTES: 1. SEE FORMER NCDOT STANDARD 310.01 FOR DETAILS. 2. REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF REINFORCED CONCRETE PIPE...

CONCRETE FLARED END SECTION N.T.S.

KHA DETAIL NO:01.905.R01

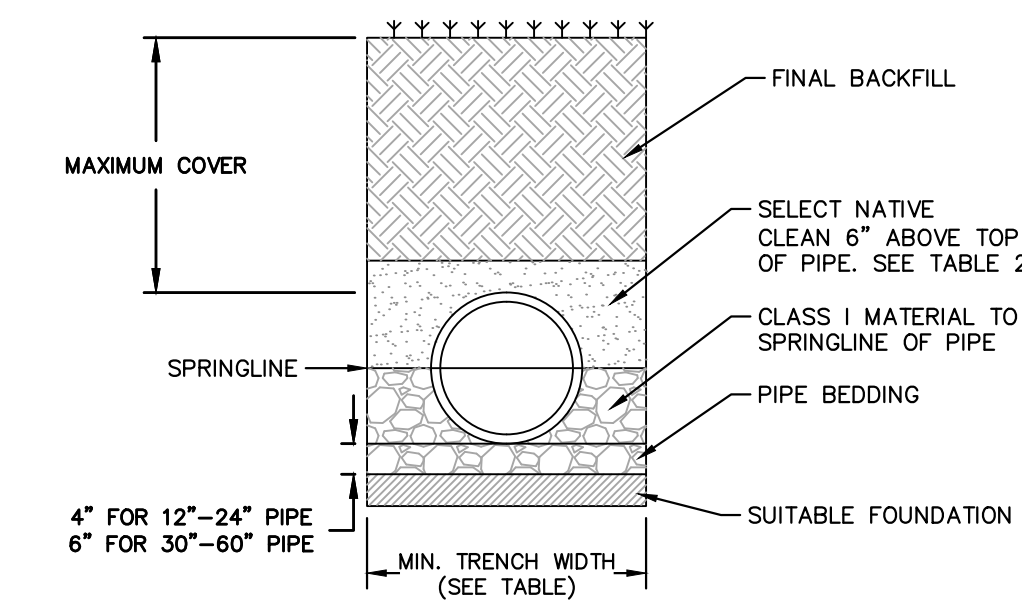


TABLE 2, MAXIMUM COVER FOR ADS HP STORM PIPE, ALTERNATE INSTALLATION, IR (ys=120)

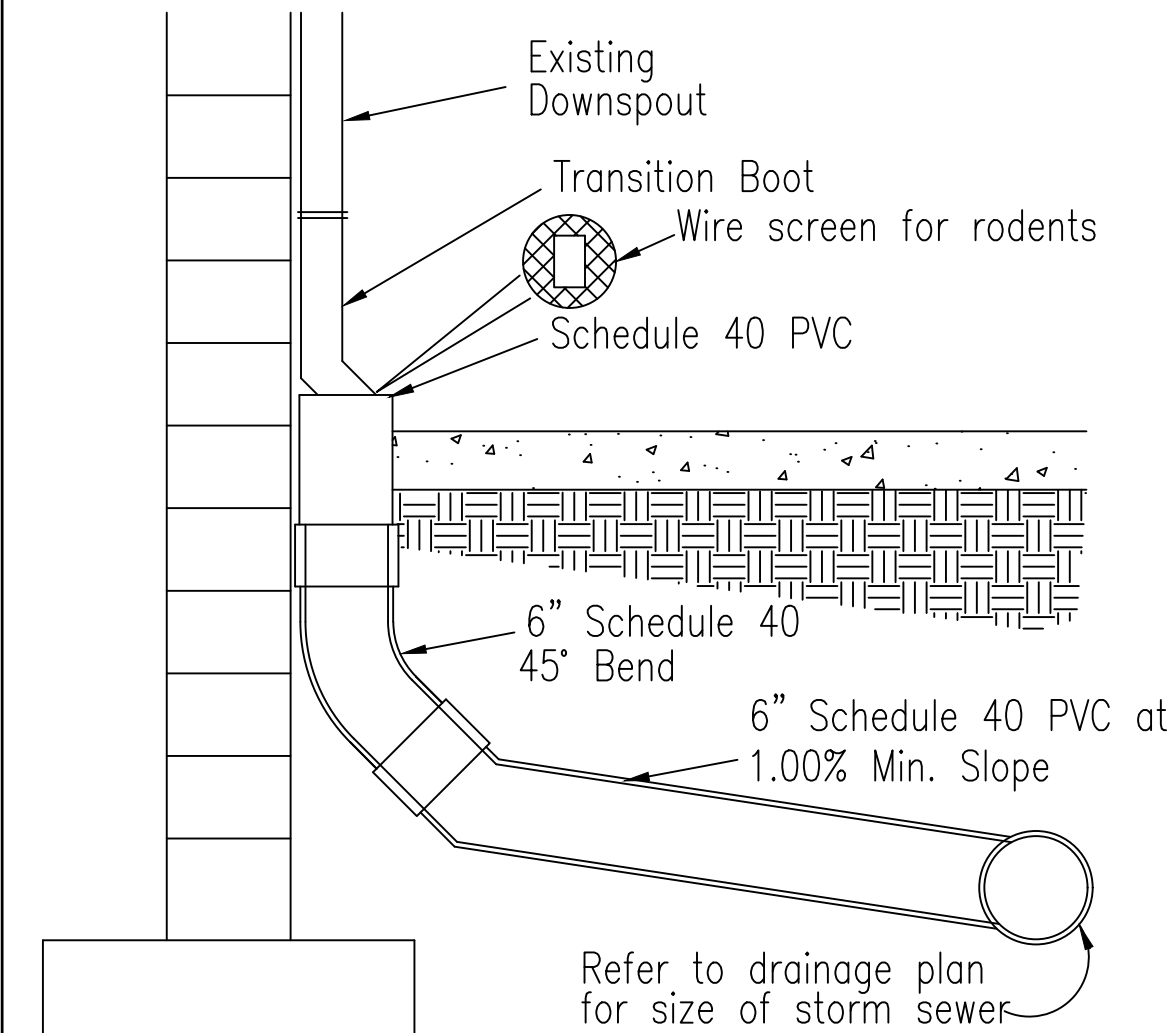
TABLE 2, MAXIMUM COVER FOR ADS HP STORM PIPE, ALTERNATE INSTALLATION, IR (ys=120) table with columns PIPE DIAM., MIN. TRENCH WIDTH, SELECT NATIVE CLEAN MATERIAL CLASSIFICATION.

FILL HEIGHT TABLE GENERATED ASSUMING DRY CONDITIONS, OUTSIDE OF WATER TABLE. FOR INSTALLATION WITHIN THE WATER TABLE, CONTACT APPLICATIONS ENGINEERING.

- NOTES: 1. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE PINES INTO BACKFILL MATERIAL, WHEN REQUIRED. 2. SOIL CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D2321...

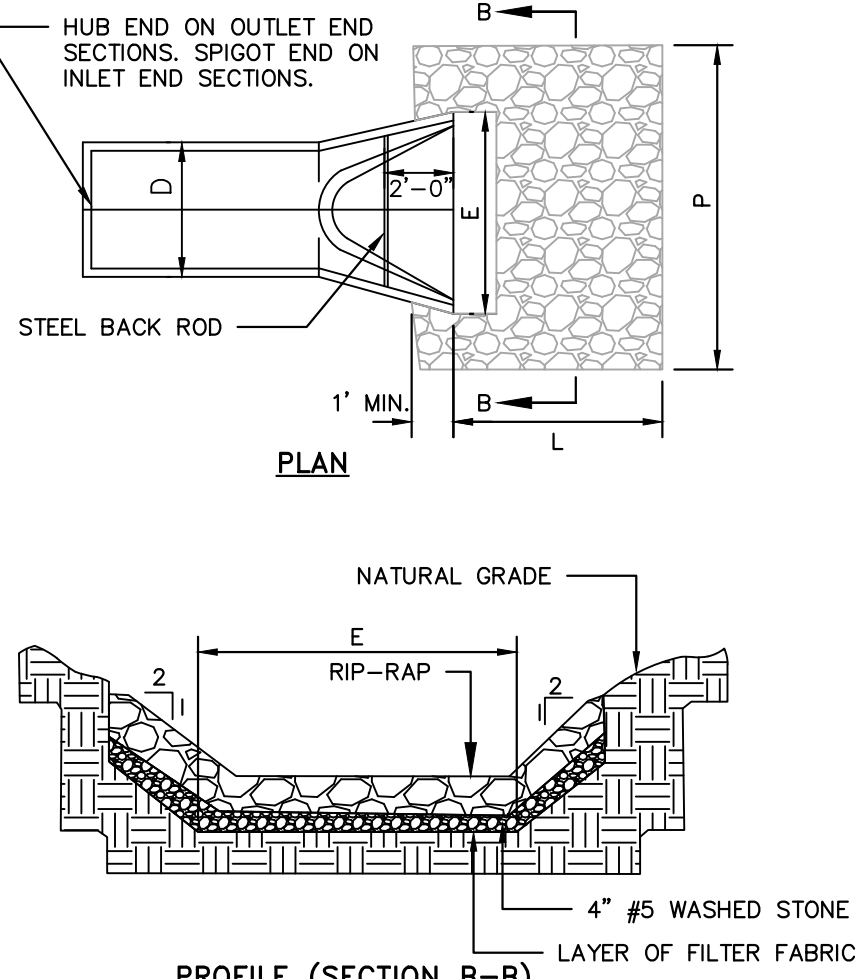
HP STORM TRENCH INSTALLATION DETAIL N.T.S.

KHA DETAIL NO:03.101.R01



NO SCALE, NOT TO SCALE. NOTE: ALL DOWNSPOUT COLLECTOR PIPE SHALL BE SCHEDULE 40 PVC.

TYPICAL ROOF DRAIN CONNECTION



RIP-RAP APRON AT FLARED END SECTION N.T.S.

KHA DETAIL NO:03.205.R02

SIZING CHART table with columns STRUCTURE, Q-FULL (CFS), E (FT), P (FT), D (IN), STONE THICKNESS (IN), STONE DIAMETER (IN), STONE CLASS, VELOCITY (FPS).

- NOTES: 1. THE LENGTHS OF THE RIP-RAP APRONS WERE DETERMINED BY USING THE NEW YORK DOT DISSIPATOR METHOD... 2. RIP-RAP APRONS DESIGNED FOR FULL FLOW CAPACITY

- NOTES: 1. END OF THE PIPE OR CULVERT AT THE DISCHARGE OUTLET AT A MAXIMUM SLOPE OF 2:1... 2. THERE SHALL BE NO OVERFLOW FROM THE END OF THE APRON TO THE SURFACE OF THE RECEIVING CHANNEL...

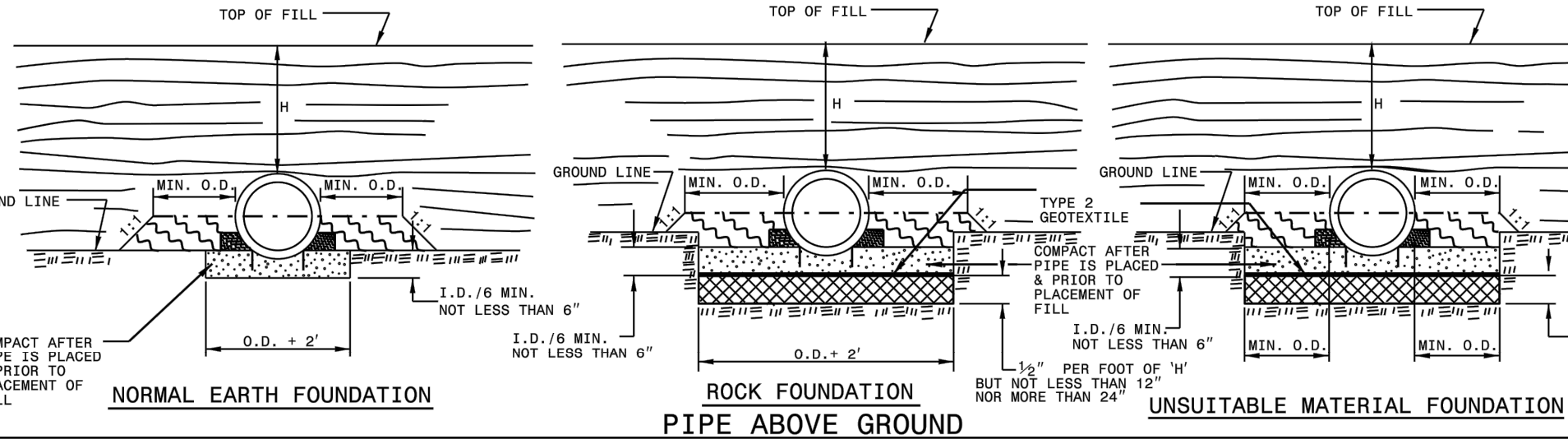
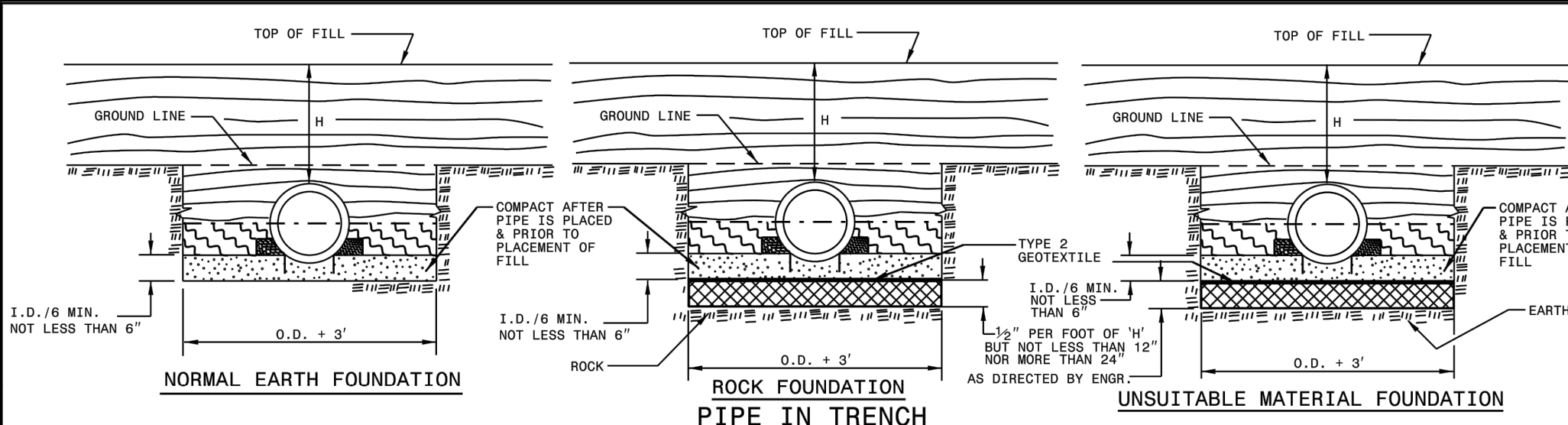
MAINTENANCE NOTES: IN GENERAL, ONCE A RIPRAP INSTALLATION HAS BEEN PROPERLY DESIGNED AND INSTALLED IT REQUIRES VERY LITTLE MAINTENANCE.

- CONSTRUCTION SPECIFICATIONS: 1. ENSURE THAT THE SUBGRADE FOR THE FILTER AND RIPRAP FOLLOWS THE REQUIRED LINES AND GRADES SHOWN IN THE PLAN...

- CONSTRUCTION SPECIFICATIONS: 2. THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLANS. 3. FILTER CLOTH, WHEN USED, MUST MEET DESIGN REQUIREMENTS...

RIP-RAP APRON AT FLARED END SECTION N.T.S.

KHA DETAIL NO:03.205.R02



- GENERAL NOTES: 1. I.D. - THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION. 2. O.D. - THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION. 3. H - THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT...

FLEXIBLE PIPE

Round Corrugated Steel Pipe 2 2/3 x 1/2 corrugation table with columns Diameter, Minimum cover, Maximum Height of Cover.

Round Corrugated Aluminum Pipe 2 2/3 x 1/2 corrugation table with columns Diameter, Minimum cover, Maximum Height of Cover.

- HOPE - (Minimum fill) 2' for pipe diameters ≥ 12" and ≤ 60" (Maximum fill) 20' for pipe diameters ≤ 24" 17' for pipe diameters ≥ 30" and ≤ 60" PVC - (Minimum fill) 2' for pipe diameters ≥ 12" and ≤ 36" (Maximum fill) 30' for pipe diameters ≥ 12" and ≤ 36"

** FOR DIFFERENT CORRUGATIONS AND ARCH PIPES REFER TO ROADWAY DESIGN MANUAL OR MANUFACTURERS SPECIFICATION.

REFER TO THE FOLLOWING FOR PIPE SPECIFICATIONS: CSP - AASHTO M36 CAAP - AASHTO M196 HOPE - AASHTO M294 PVC - ASTM F949 OR AASHTO M304

NOTES: FILL HEIGHTS SHOWN WERE CALCULATED USING AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 1' MINIMUM COVER FOR ALL SIDE DRAIN PIPE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS

RIGID PIPE

- RCP - (Minimum fill) 1' for Class IV & Class V 2' for Class III & Class II (Maximum fill) 10' - Class II pipe 20' - Class III pipe 30' - Class IV pipe 40' - Class V pipe (For fills > 40' & < 80' use LRFD Direct Design Method)

REFER TO THE FOLLOWING FOR PIPE SPECIFICATIONS: RCP - AASHTO M170

NOTES: FILL HEIGHTS SHOWN WERE CALCULATED USING AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 1' MINIMUM COVER FOR ALL SIDE DRAIN PIPE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS

SURVEY NOTE: EXISTING TOPOGRAPHICAL INFORMATION IS BASED ON A TOPOGRAPHIC SURVEY OBTAINED ON 02/23/2023 BY CNP PROFESSIONAL LAND SURVEYORS, 333 S. WHITE STREET, WAKE FOREST, NC 27888...

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR METHOD OF PIPE INSTALLATION RIGID PIPE

SHEET 2 OF 3 300.01

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

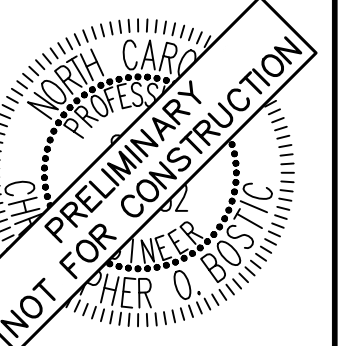
ROADWAY STANDARD DRAWING FOR METHOD OF PIPE INSTALLATION FILL HEIGHT TABLES

SHEET 3 OF 3 300.01

REVISIONS table with columns No., Description, DATE.



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PROJECT INFORMATION table with columns KHA PROJECT, DATE, SCALE, DESIGNED BY, DRAWN BY, CHECKED BY, COE.

STORM DETAILS

THE LEARNING CENTER ROLESVILLE PREPARED FOR ROLESVILLE, LLC. NORTH CAROLINA

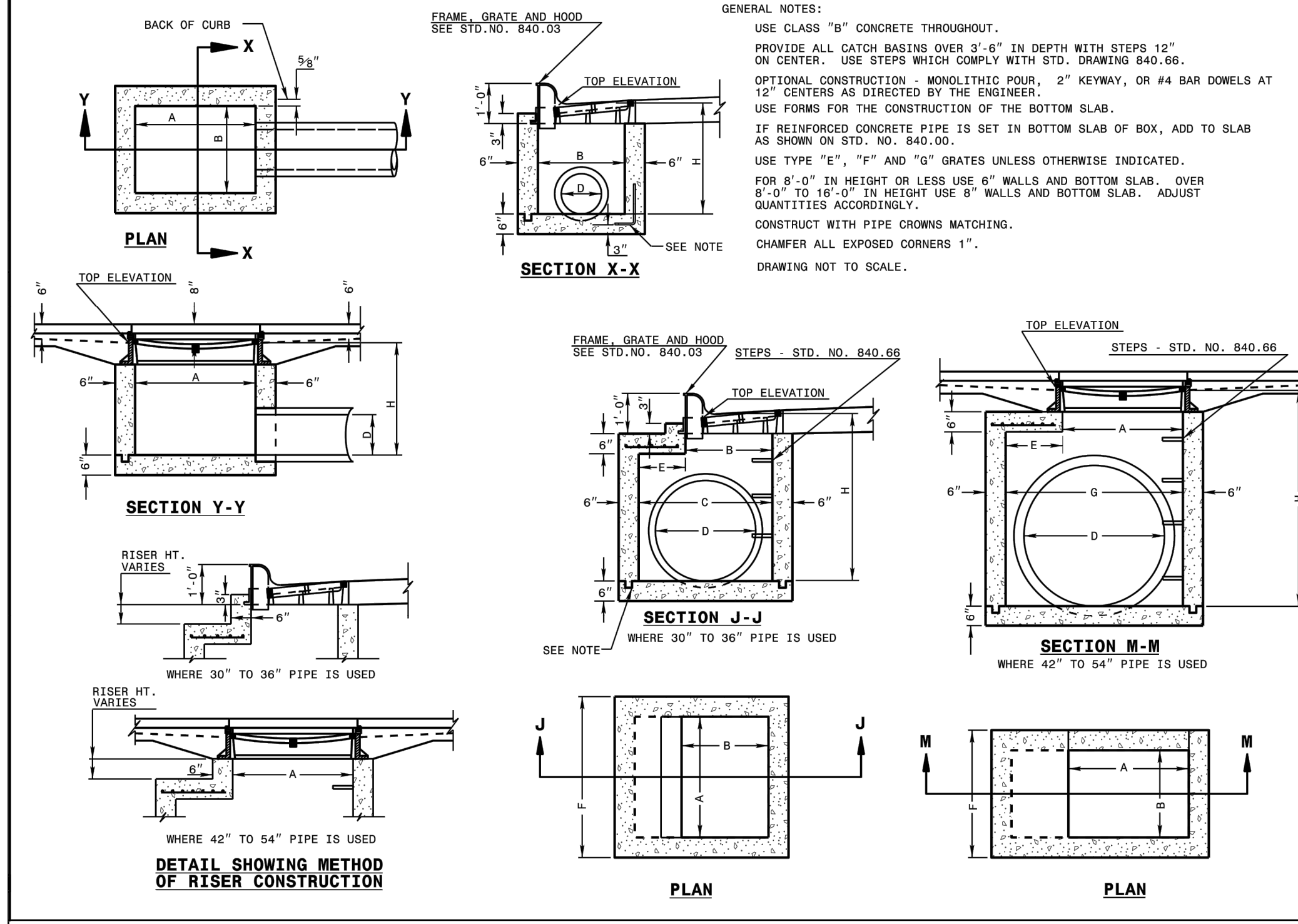
SHEET NUMBER C9.0



Know what's below. Call before you dig.

SDP-23-07

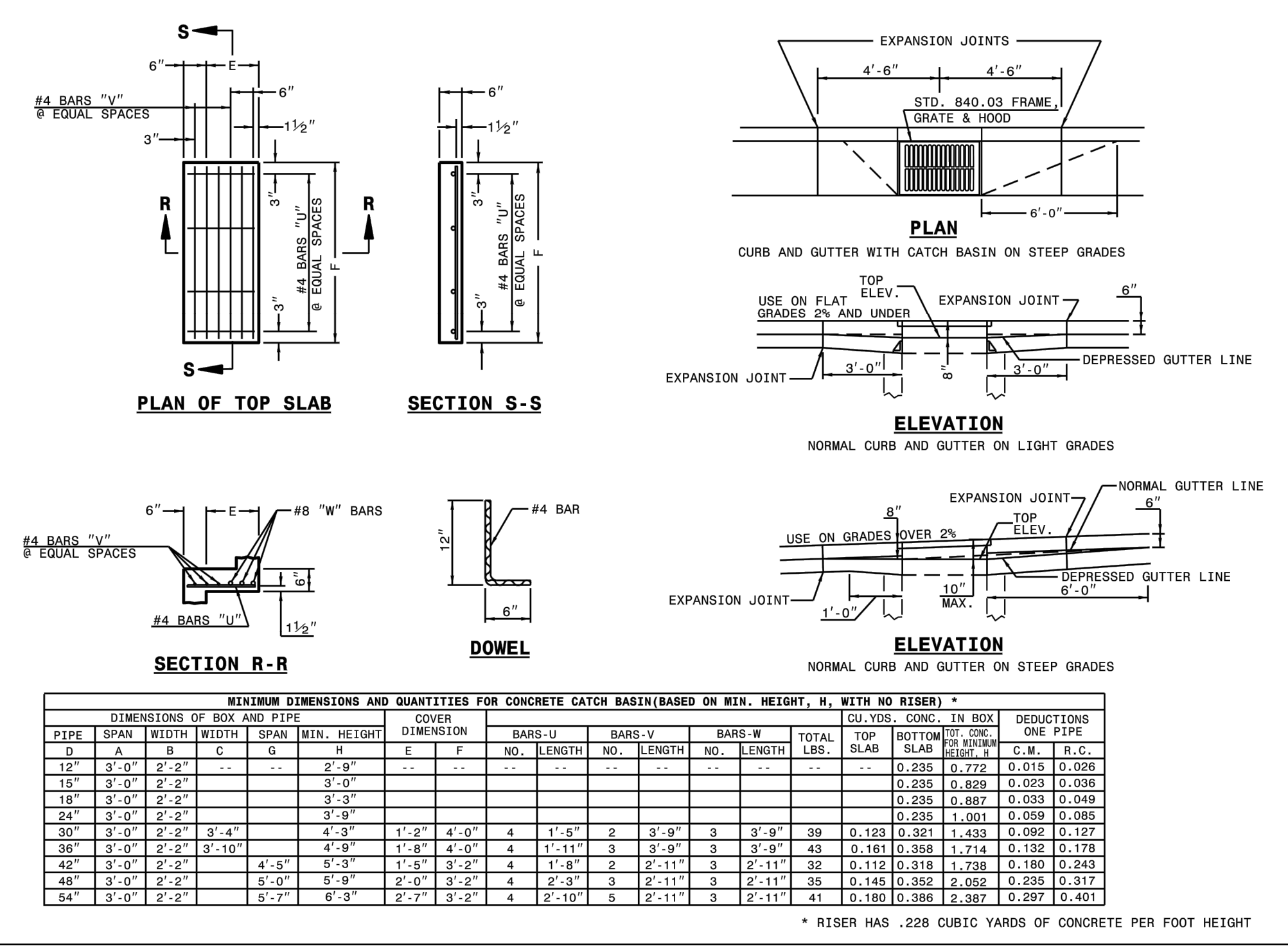
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STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
 12" THRU 54" PIPE

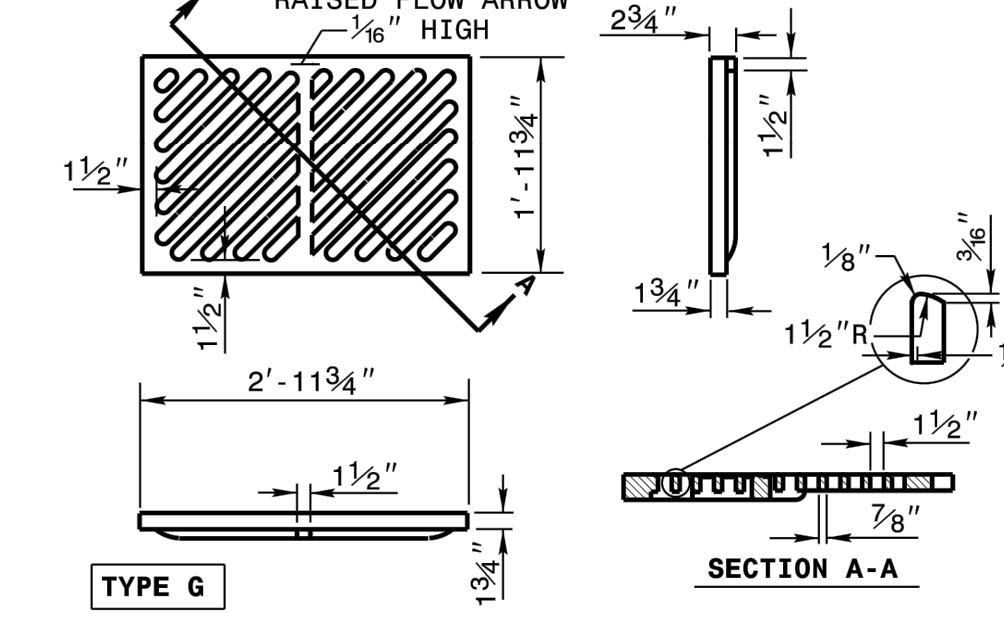
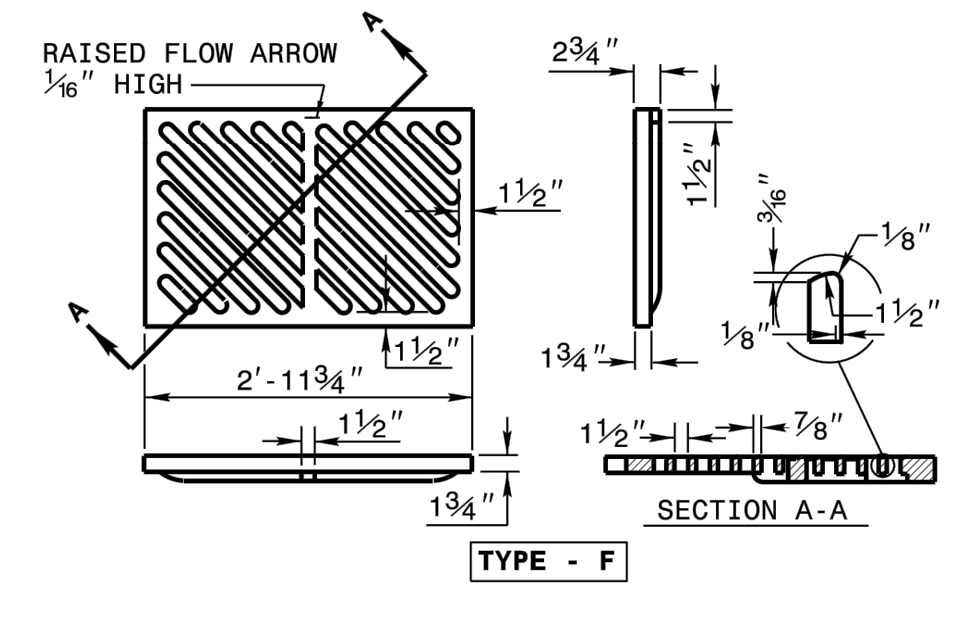
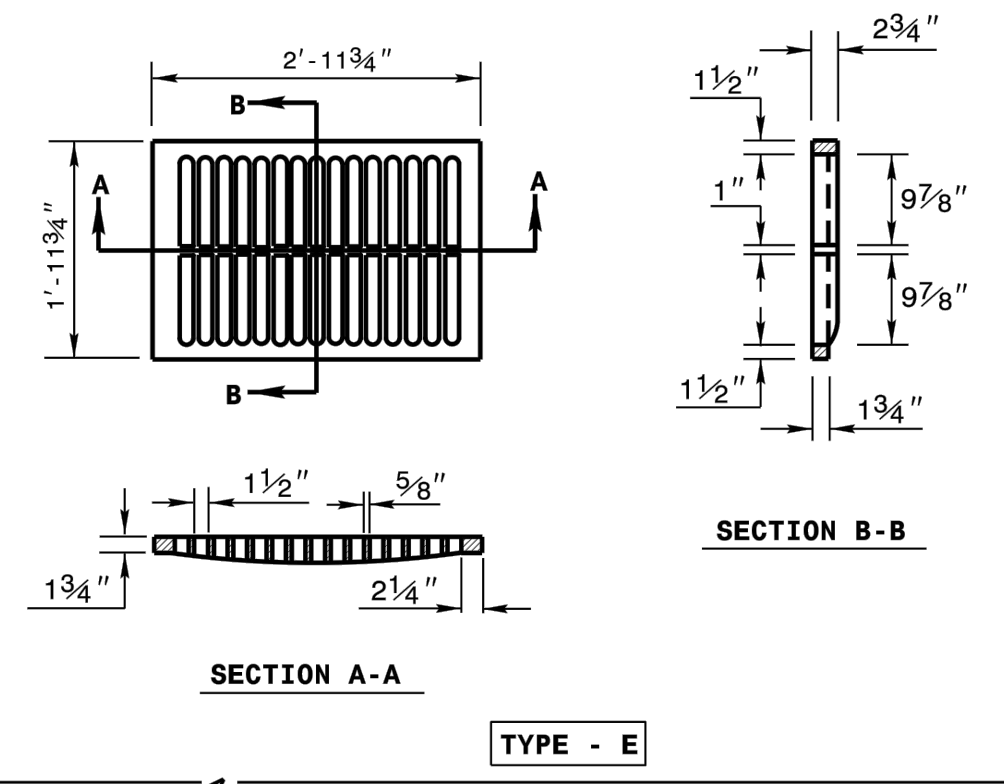
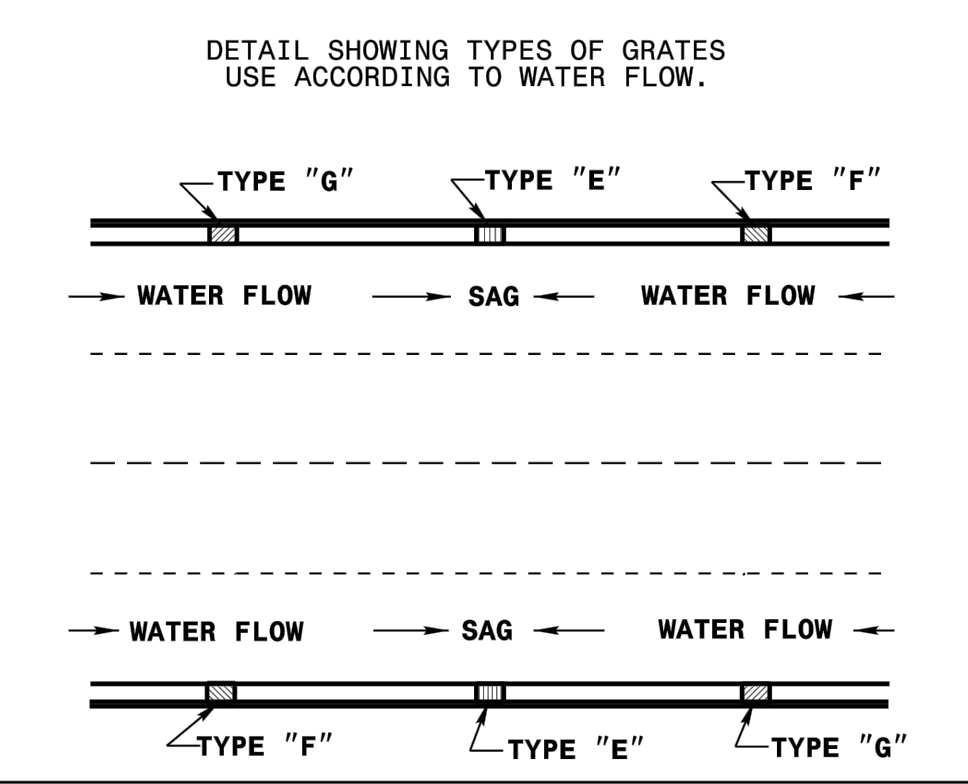
SHEET 1 OF 2
840.02



STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CONCRETE CATCH BASIN
 12" THRU 54" PIPE

SHEET 2 OF 2
840.02



STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
 FOR USE ON STANDARD CATCH BASIN

SHEET 2 OF 2
840.03

SURVEY NOTE:
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SDP-23-07

THE LEARNING CENTER ROLESVILLE
 PREPARED FOR
ROLESVILLE, LLC.
 TOWN OF ROLESVILLE NORTH CAROLINA

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NOT FOR CONSTRUCTION

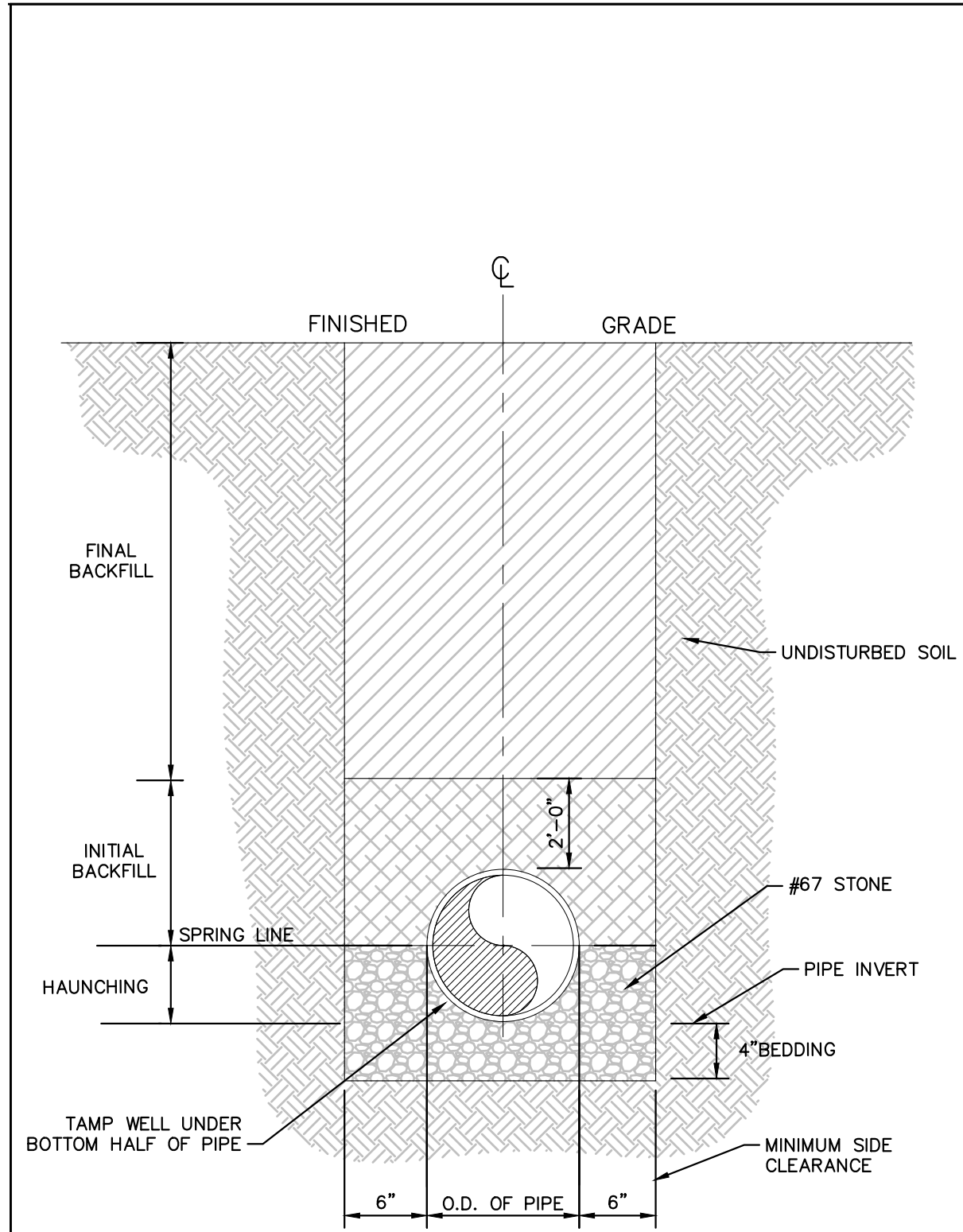
KHA PROJECT: 013031004
 DATE: 09/29/2023
 SCALE: AS SHOWN
 DESIGNED BY: JAA
 DRAWN BY: JAA
 CHECKED BY: COE

STORM DETAILS

SHEET NUMBER
C9.1

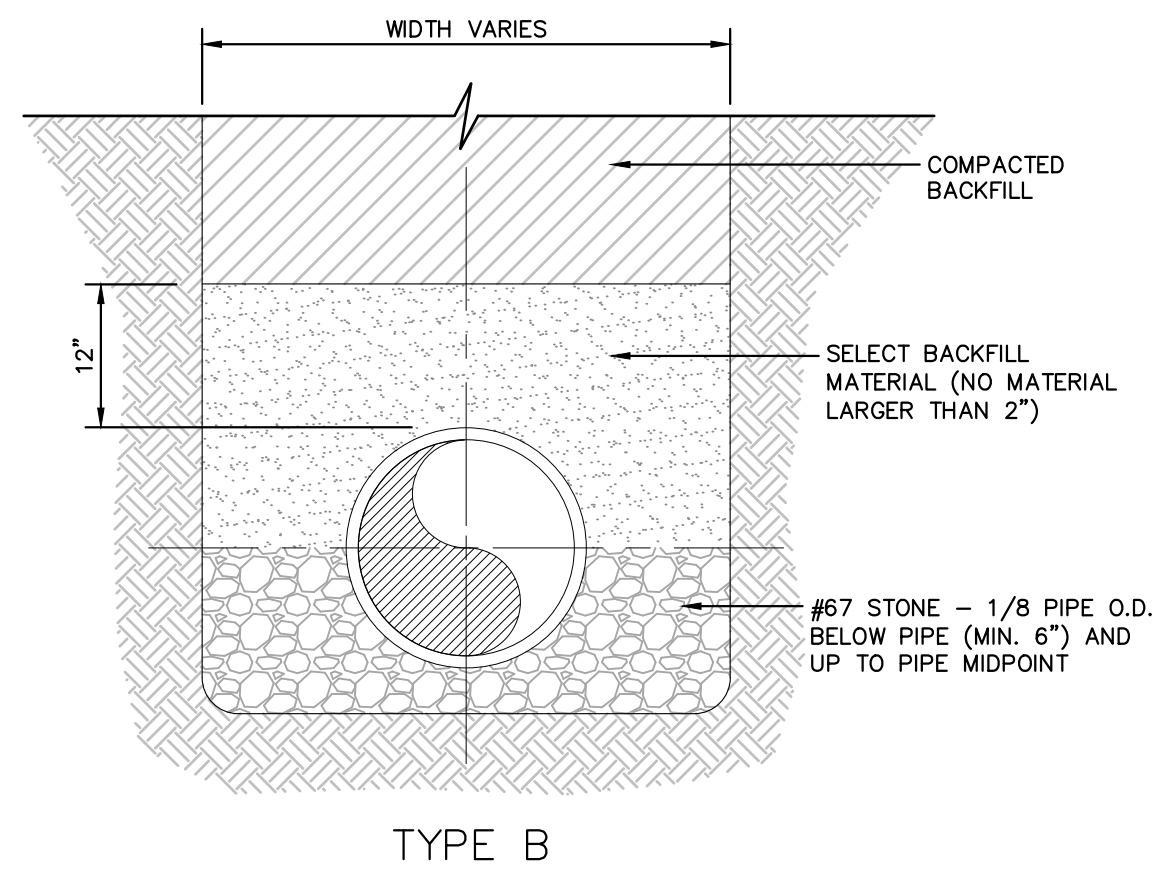
REVISIONS
 No. DATE BY

Plotted By: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE, Layout: C10.0 SANITARY SEWER DETAILS, January 02, 2024, 05:07:25pm, K:\RAL_LDEV\013031004_Rolesville_Learning_Center\PT10_CAD_Files\PlanSheets\C10.1_SANITARY_SEWER_DETAILS.dwg
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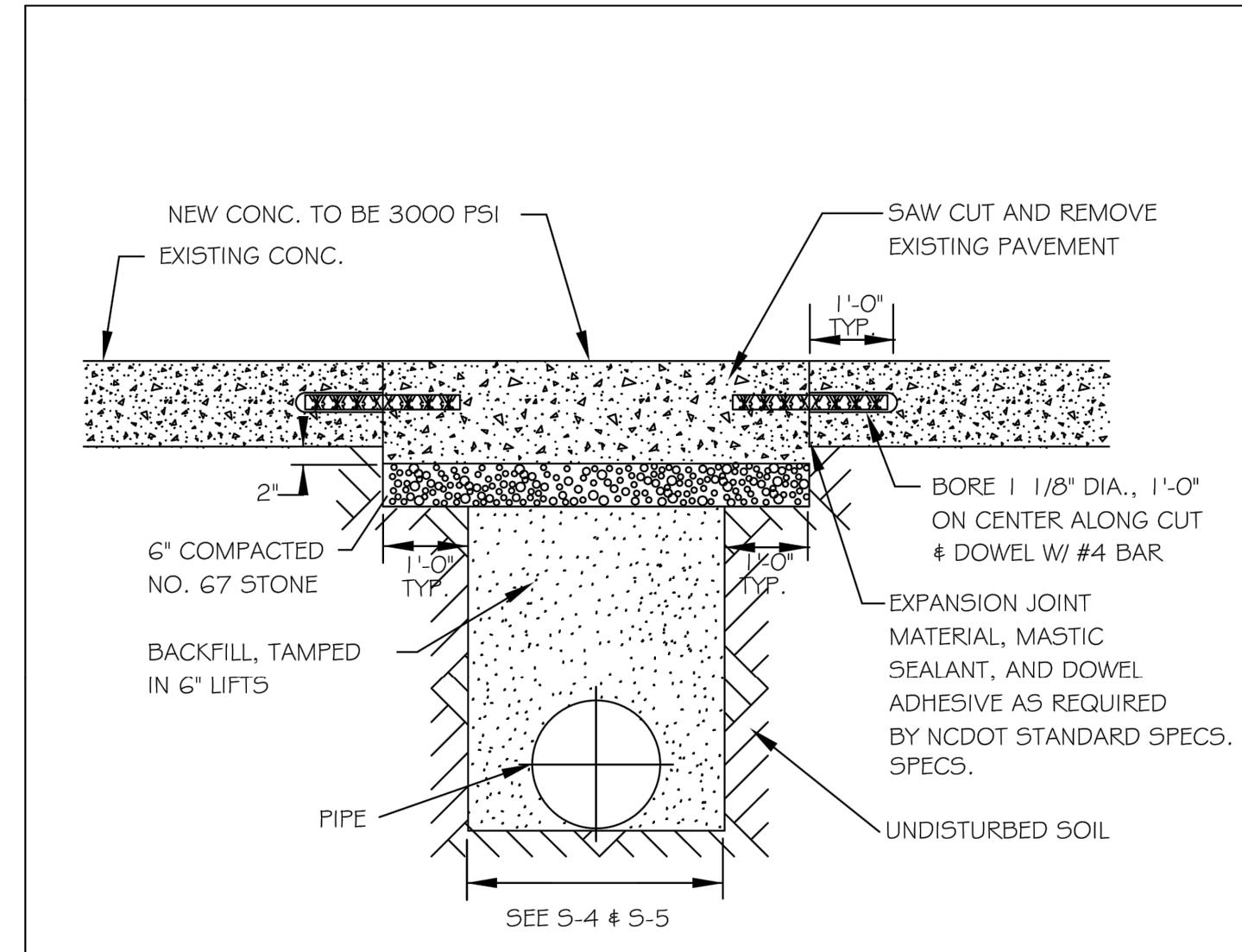


- NOTES:**
1. FOR TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING.
 2. NO ROCKS OR BOULDERS 4" OR LARGER TO BE USED IN INITIAL BACKFILL.
 3. ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL.
 4. BACKFILL SHALL BE TAMPED IN 6" LIFTS IN TRAFFIC AREAS, 12" IN NON-TRAFFIC AREAS.

BEDDING AND TRENCH
N.T.S. KHA DETAIL NO: 04.101.R01 XX

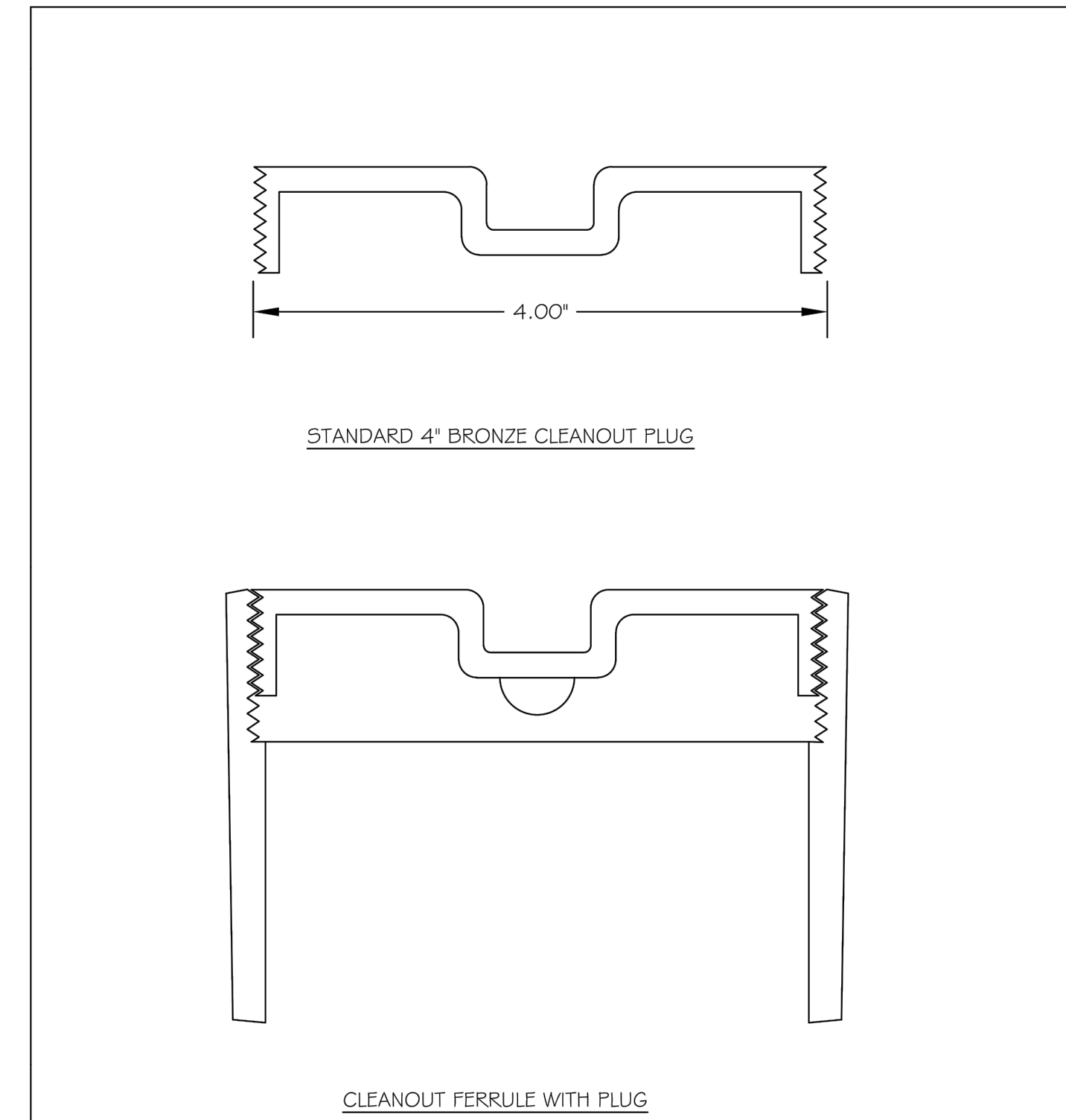


BACKFILL SECTION
N.T.S. KHA DETAIL NO: 04.102.R01 XX



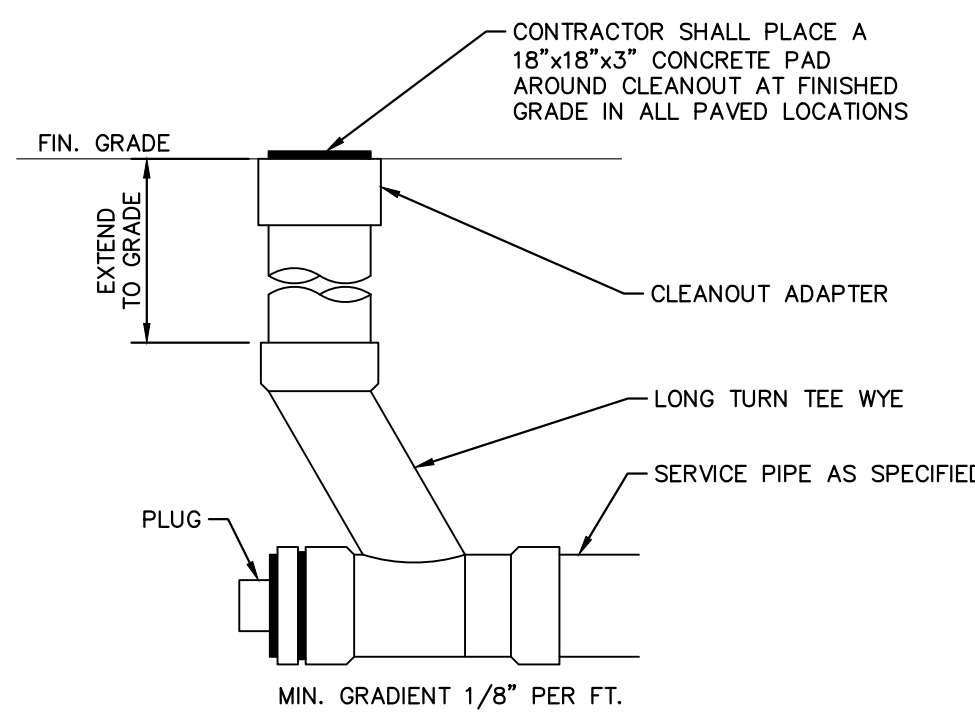
- NOTES:**
1. See City of Raleigh standards for trenches and pipe bedding (5-4 & 5-5) for additional details.
 2. Pavement cuts over 5'-0" in width shall be reinforced to N.C.D.O.T. standards.
 3. Pavement cuts shall be made with an appropriate saw cut machine.
 4. Pavement cuts within NCDOT ROW shall conform to the approved on site encroachment permit.

CITY OF RALEIGH				
DEPARTMENT OF PUBLIC UTILITIES				
STANDARD CONCRETE PAVEMENT PATCH DETAIL				
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
5-2	D.W.C.	6-23-99	A.B.B.	4-19-04
	RRH	3-30-00	J.P.S	0-8-10



STYLES ACCEPTED:
INVERTED NUT
RAISED NUT

CITY OF RALEIGH				
DEPARTMENT OF PUBLIC UTILITIES				
4" CLEANOUT PLUG				
DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
5-34	D.W.C.	3-1-87	RRH	3-30-00
		3-27-98		



CLEANOUT
N.T.S. KHA DETAIL NO: 04.201.R01 XX

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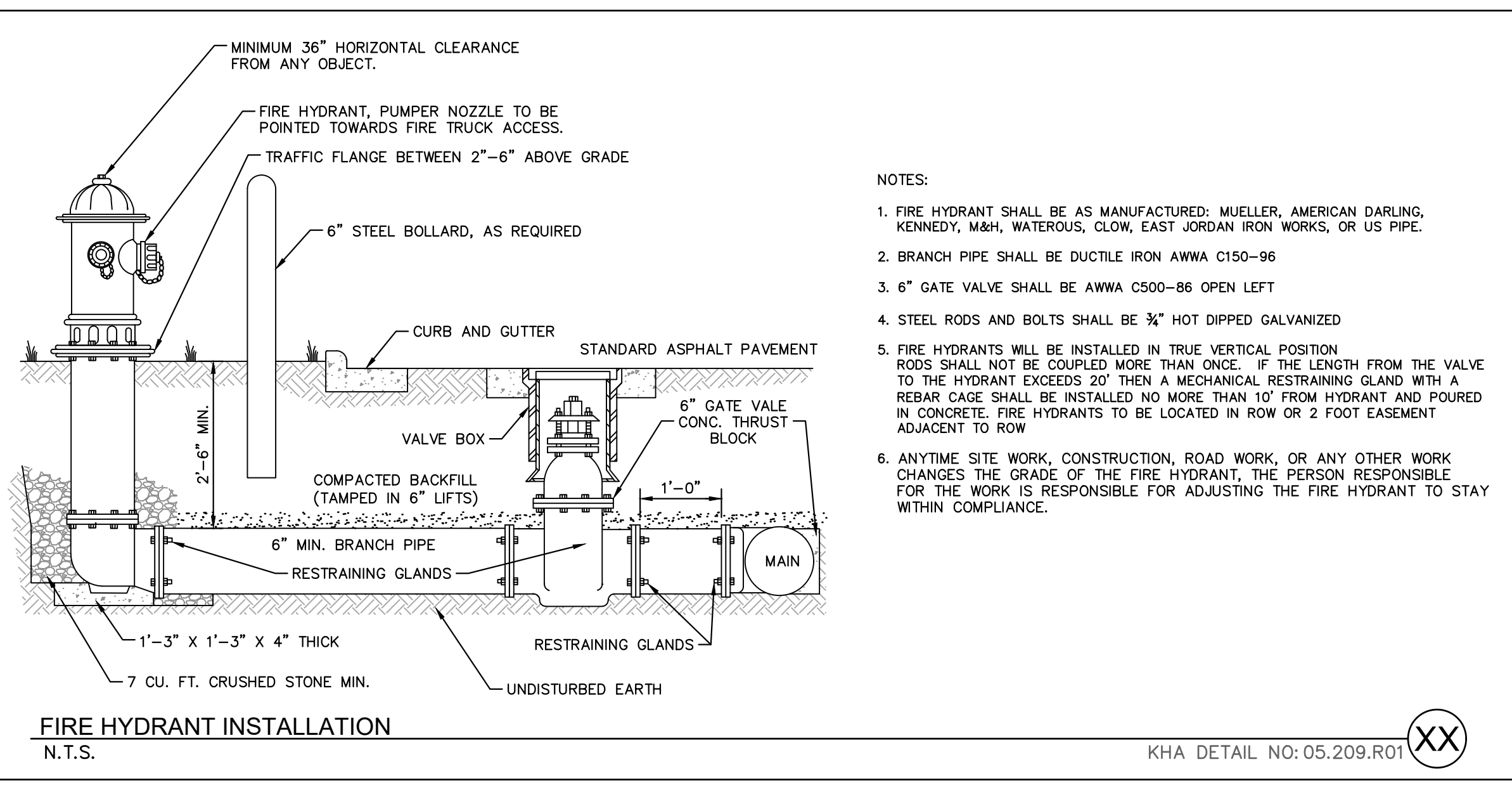
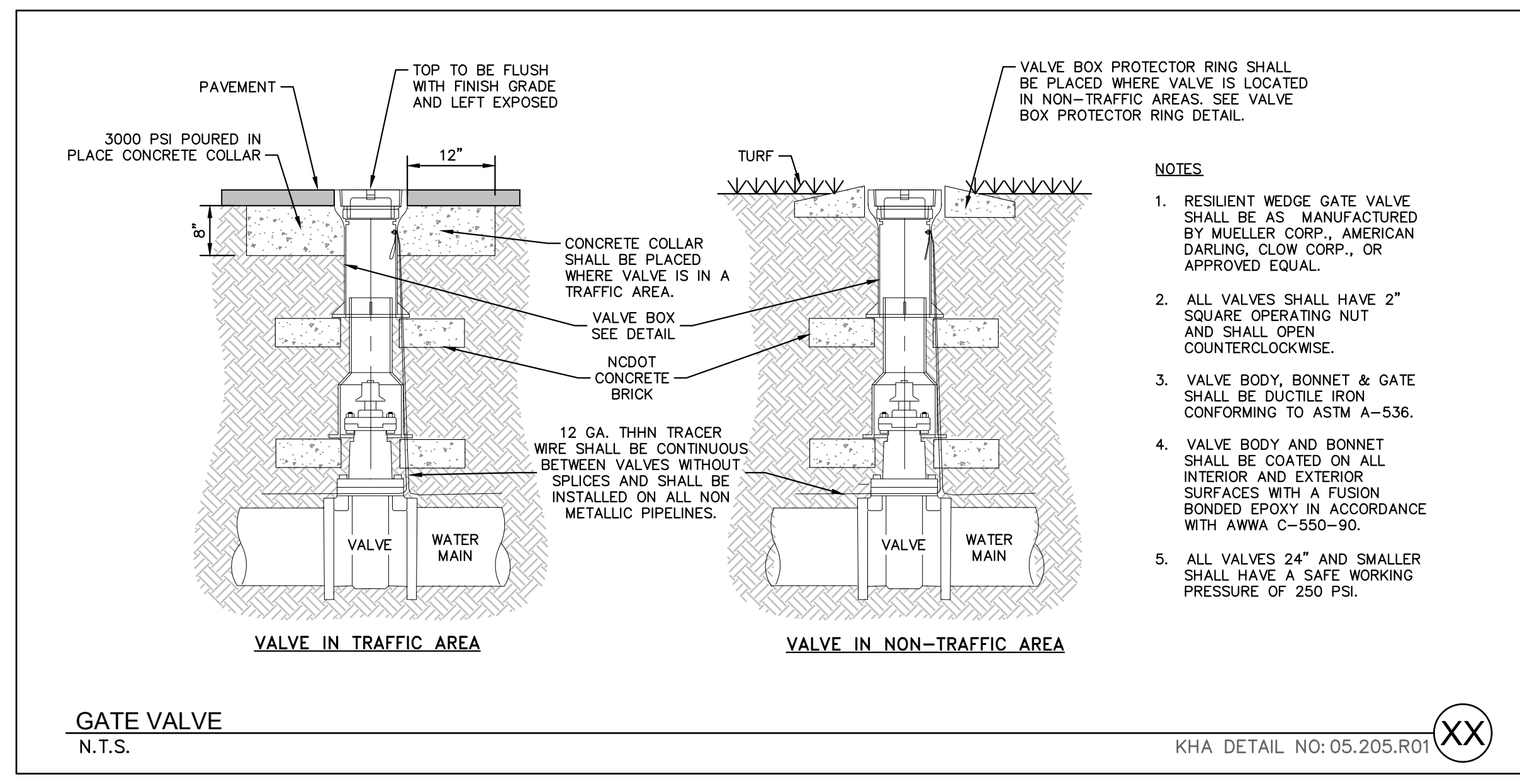
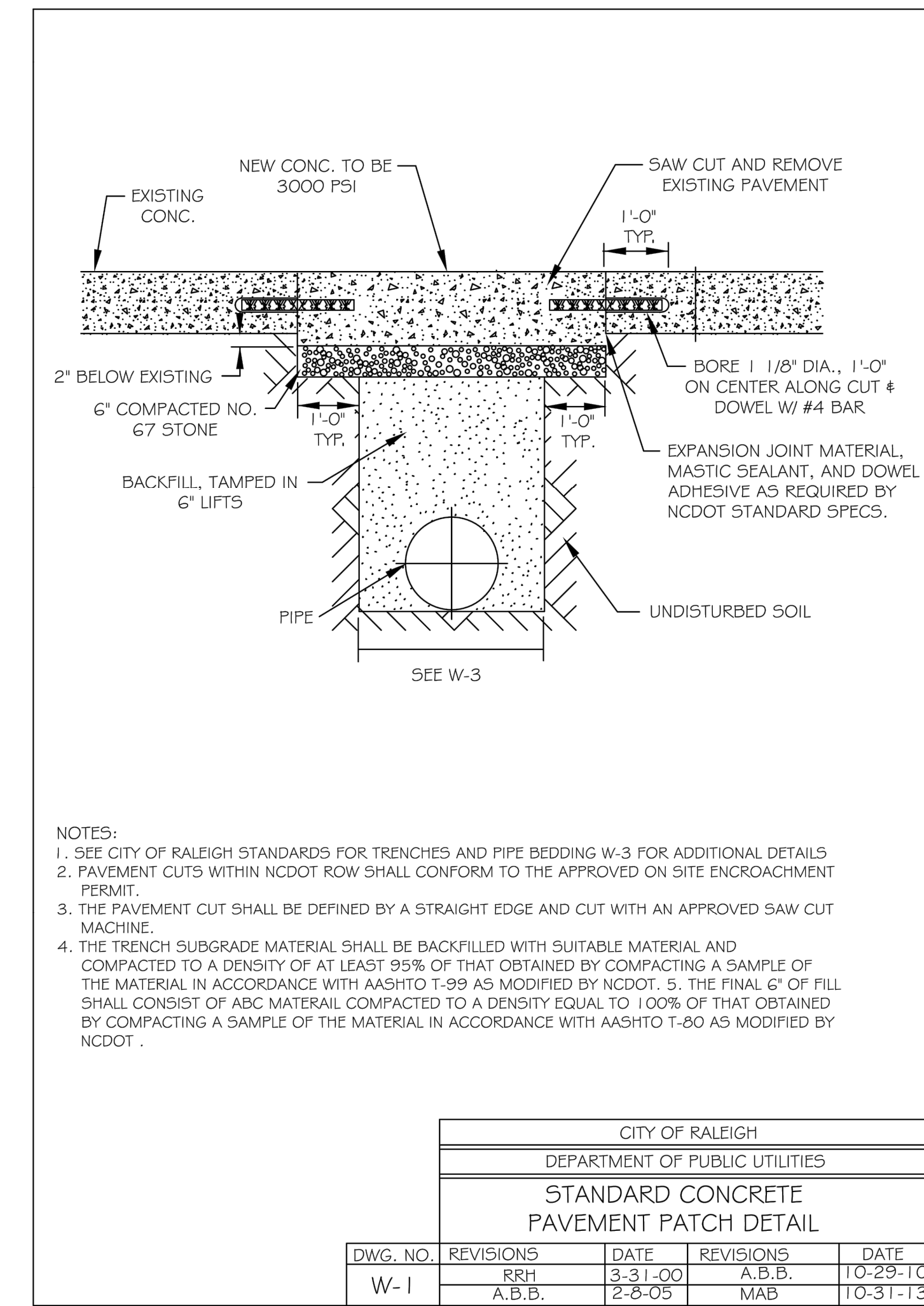
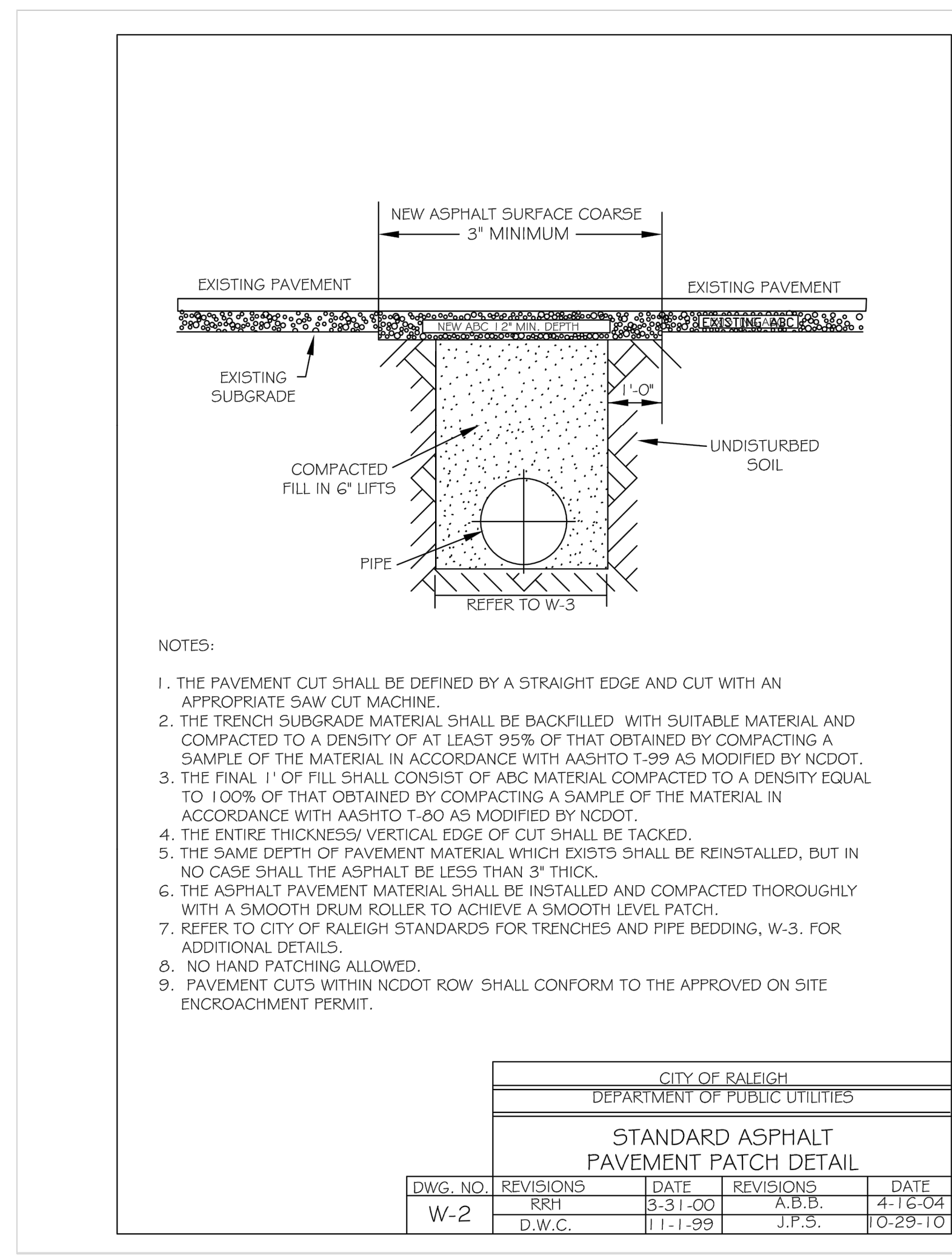
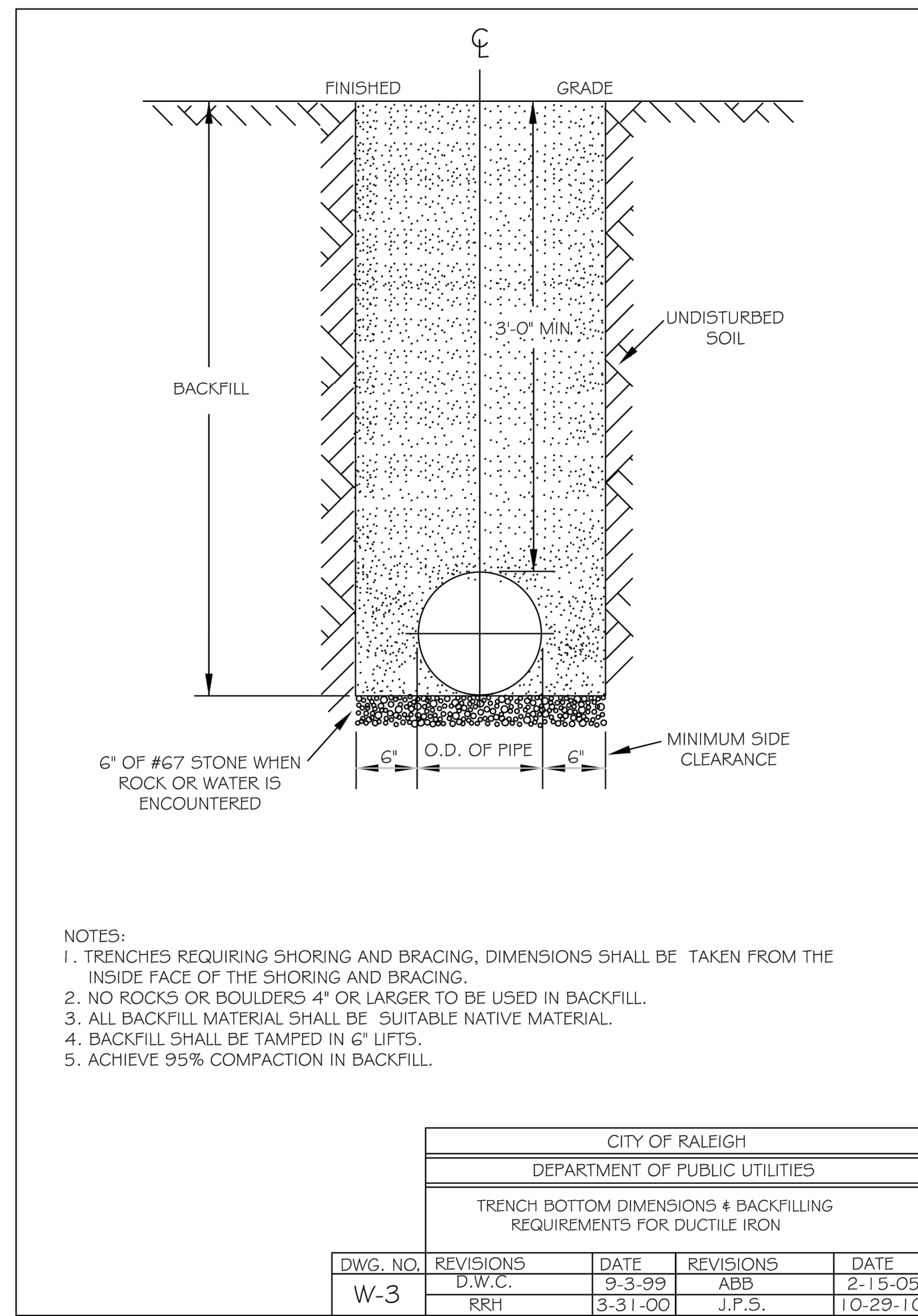


Know what's below.
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SDP-23-07

KHA PROJECT 013031004		DATE 09/29/2023		SCALE AS SHOWN		DESIGNED BY JAA		DRAWN BY JAA		CHECKED BY COB	
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THE LEARNING CENTER ROLESVILLE PREPARED FOR ROLESVILLE, LLC. TOWN OF ROLESVILLE NORTH CAROLINA						SANITARY SEWER DETAILS					
SHEET NUMBER C10.0						REVISIONS No. DATE BY					

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THE LEARNING CENTER ROLESVILLE
 PREPARED FOR
ROLESVILLE, LLC.
 TOWN OF ROLESVILLE
 NORTH CAROLINA

WATER DETAILS

SHEET NUMBER
C11.0

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Call before you dig.

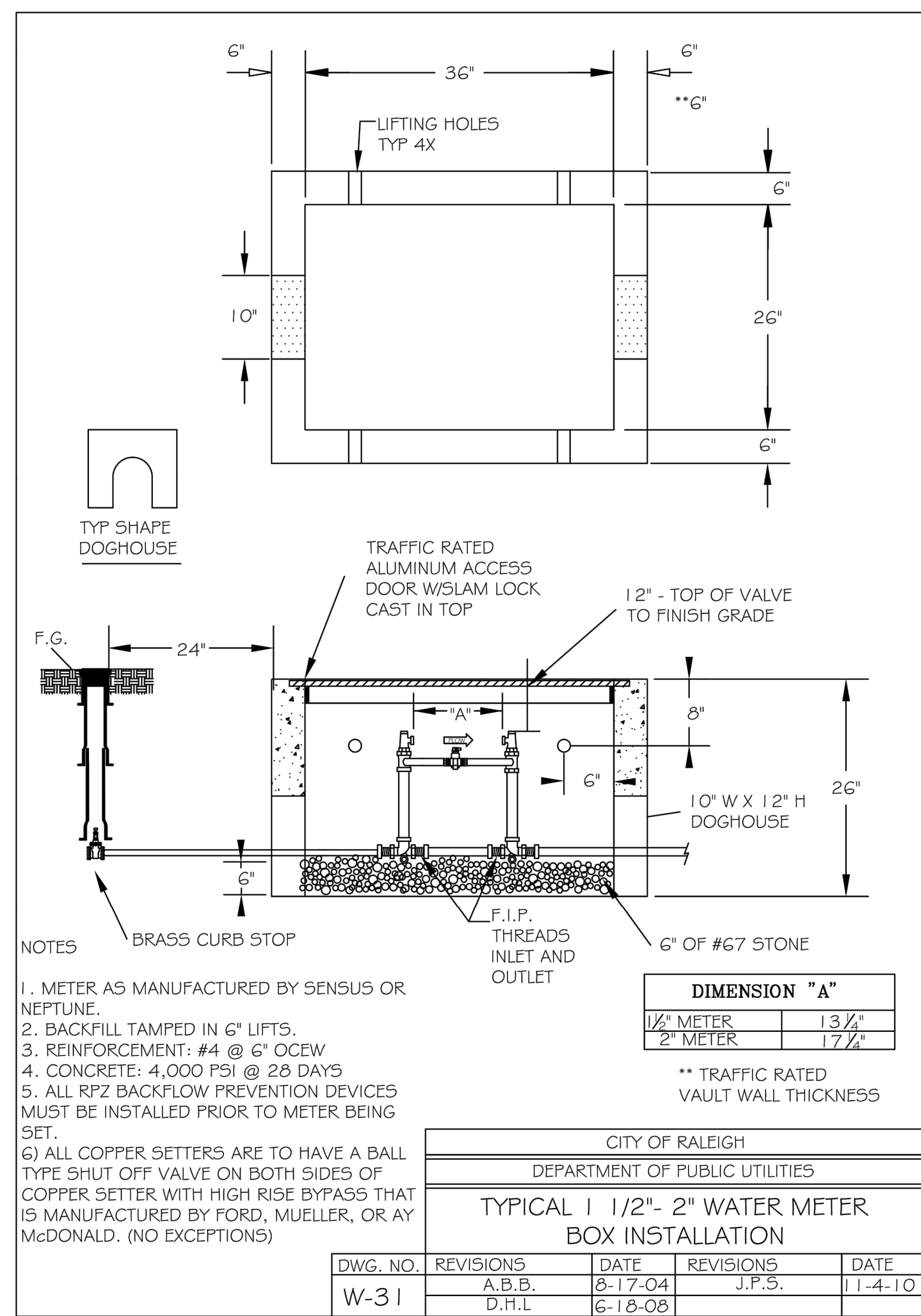
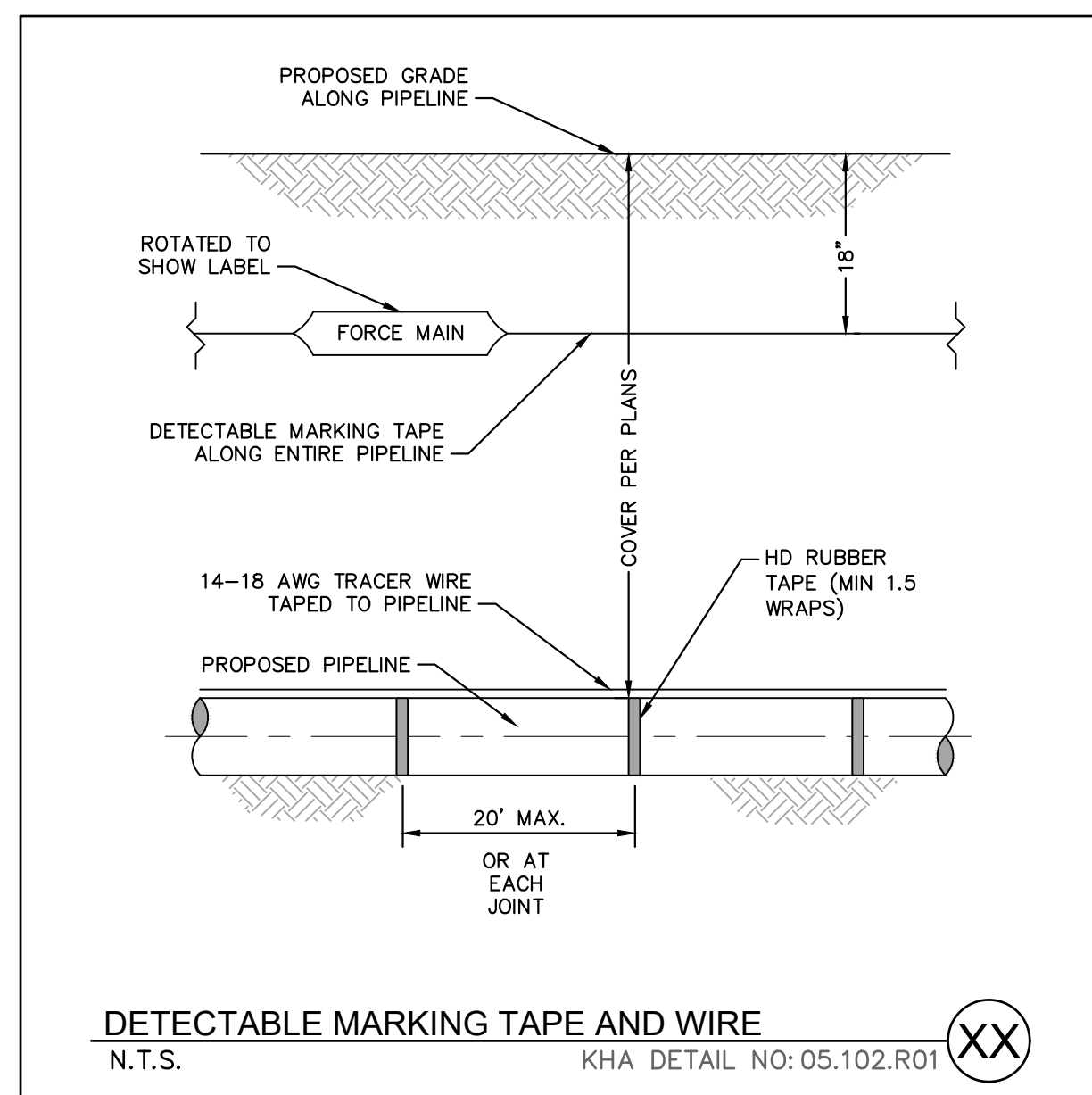
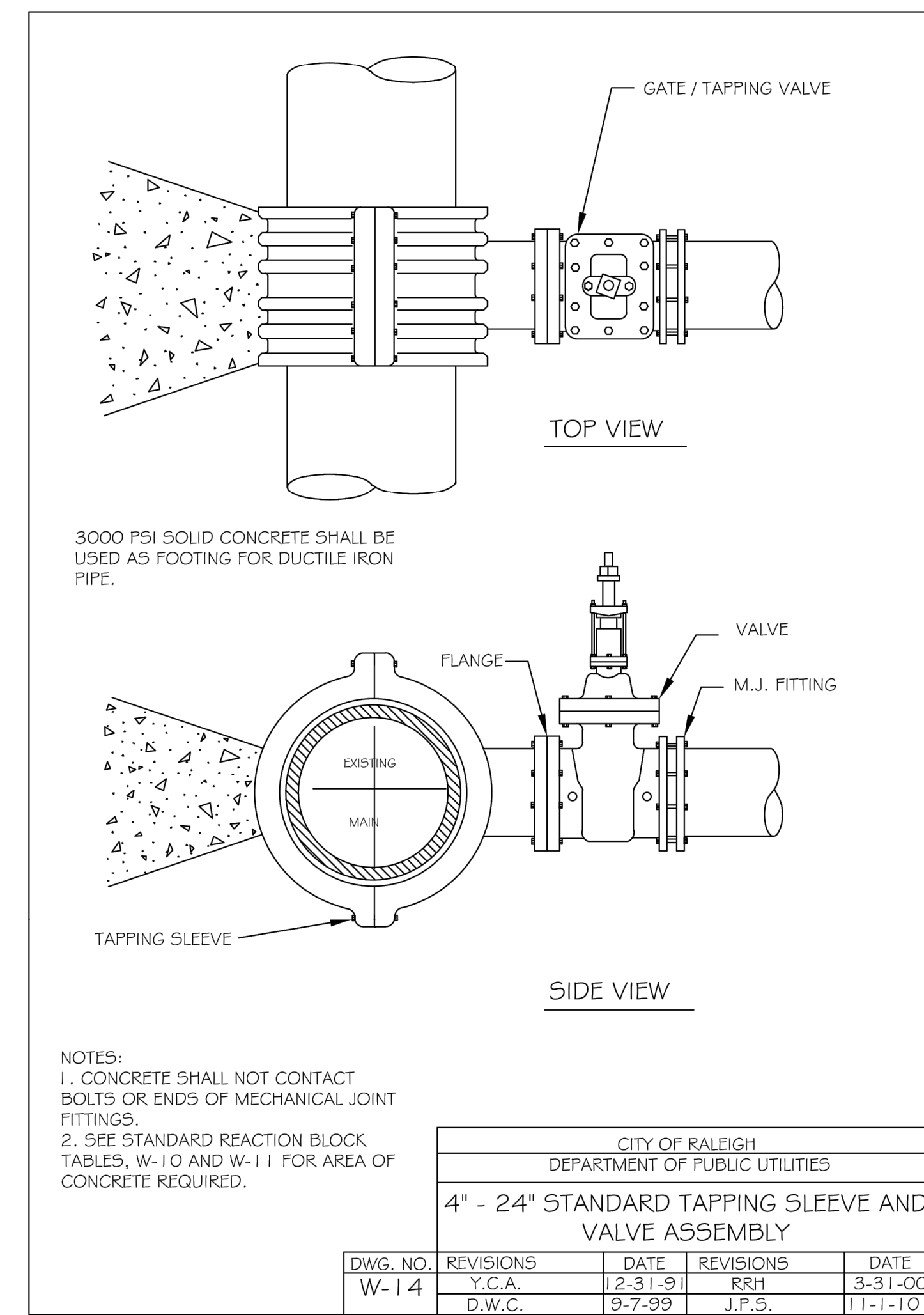
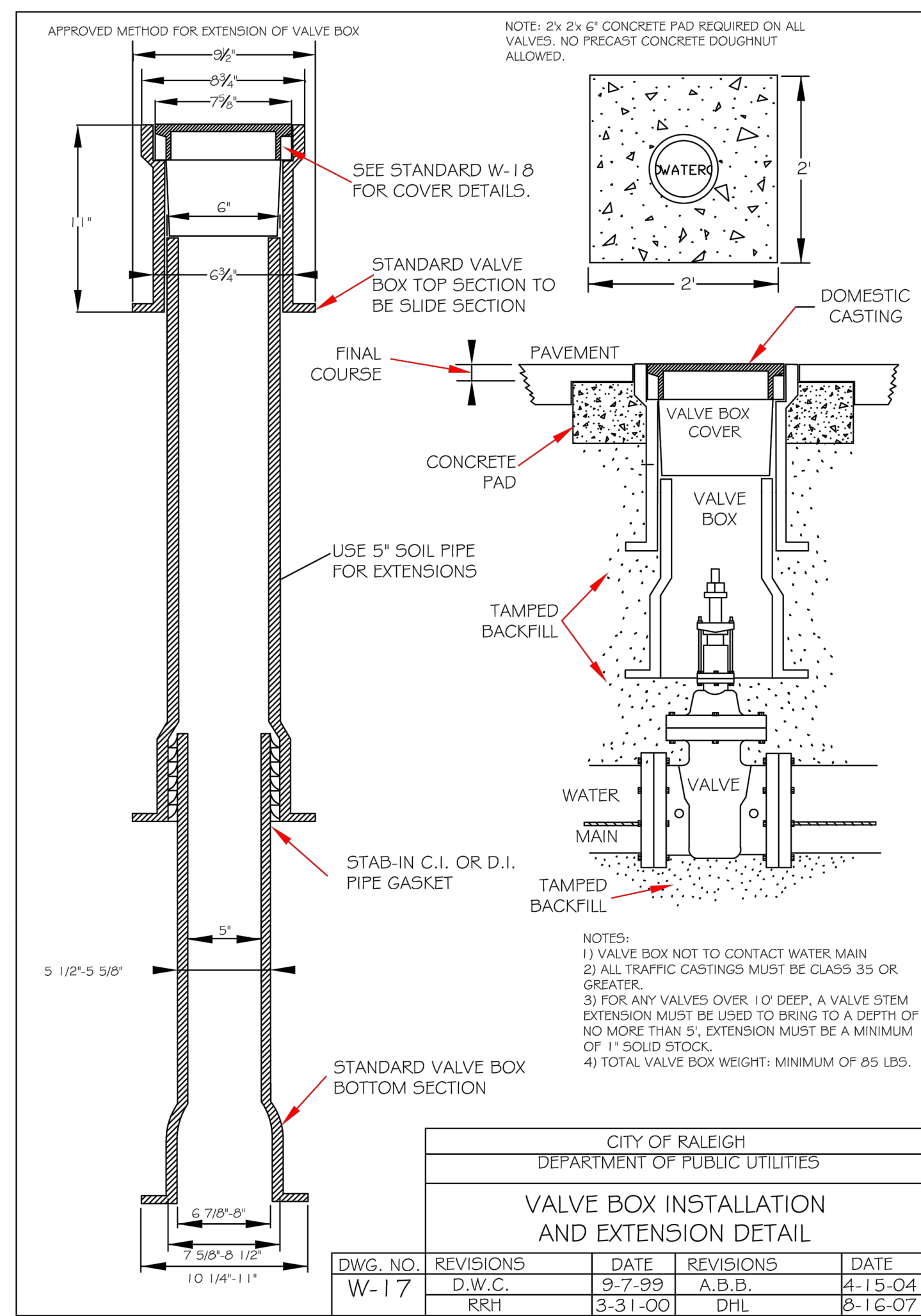
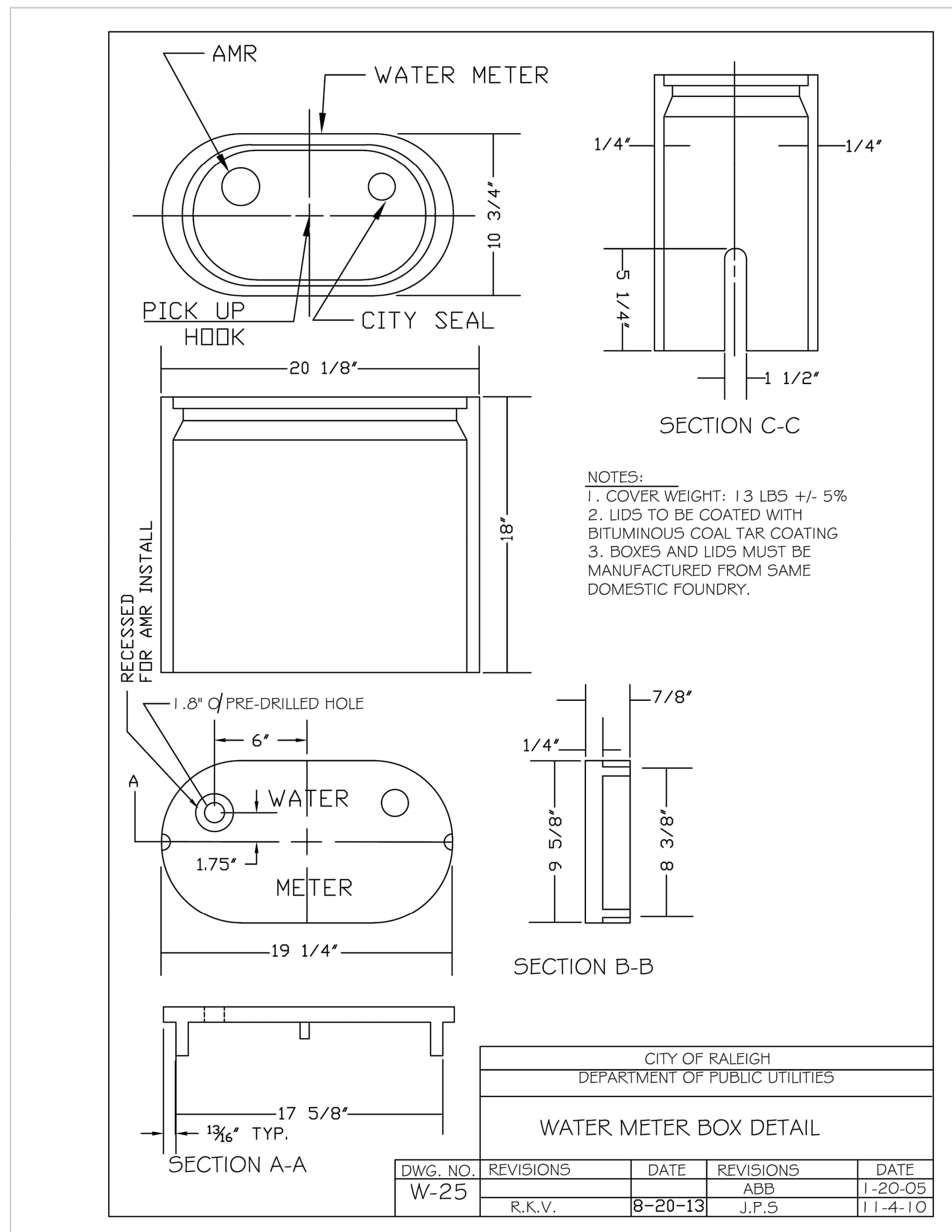
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THE LEARNING CENTER ROLESVILLE
PREPARED FOR
ROLESVILLE, LLC.
TOWN OF ROLESVILLE
NORTH CAROLINA

WATER DETAILS

KHA PROJECT: 013031004
DATE: 09/29/2023
SCALE: AS SHOWN
DESIGNED BY: JAA
DRAWN BY: JAA
CHECKED BY: COB

811
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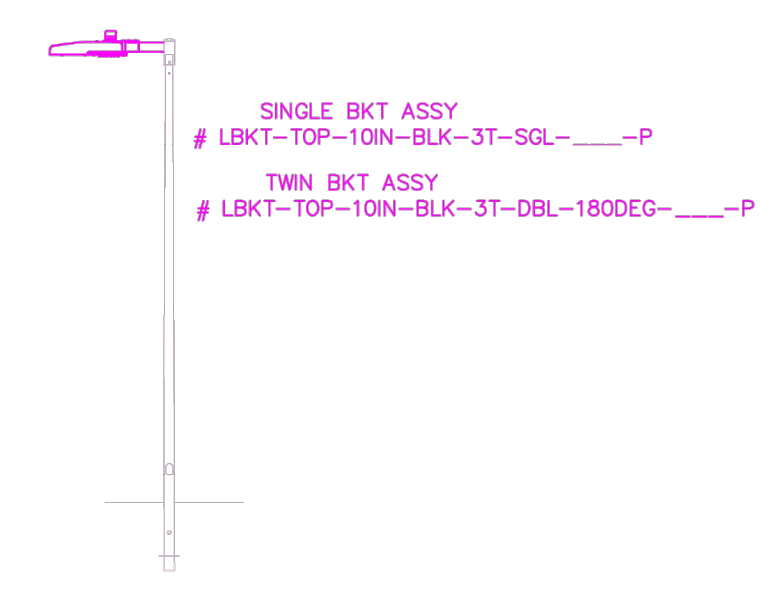
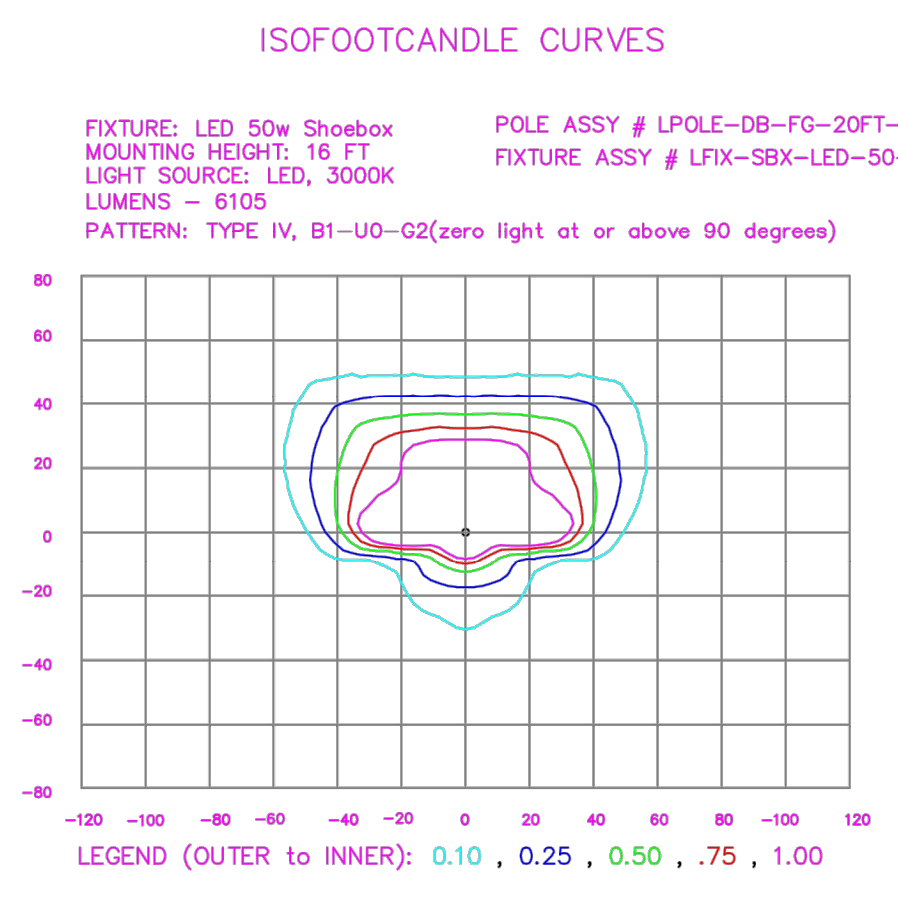
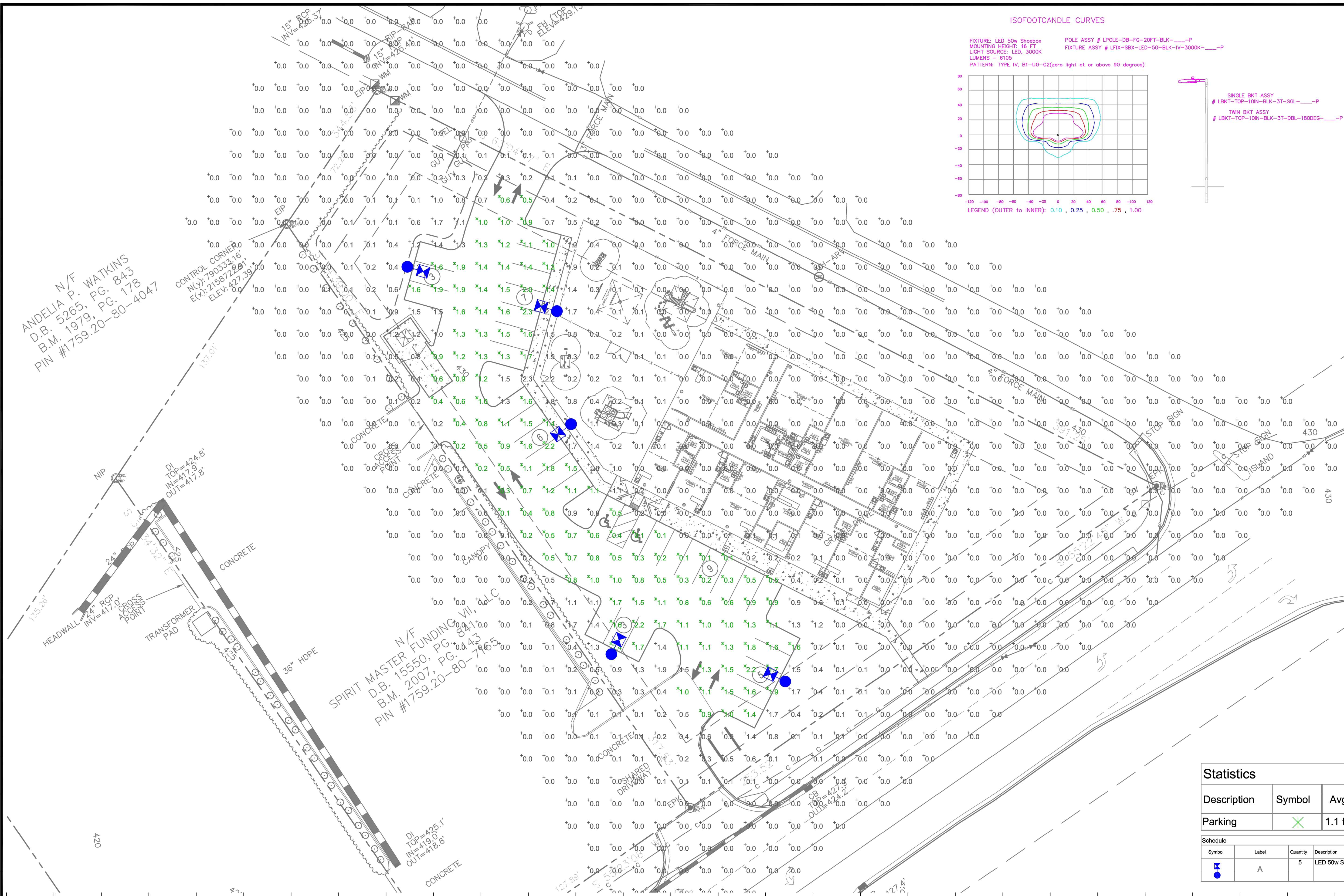
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NOT FOR CONSTRUCTION

No.	REVISIONS	DATE	BY
1			
2			
3			
4			
5			
6			
7			



Outdoor Lighting

PEDESTRIAN SHOEBOX LED
(Meets Dark Sky Criteria)

LED (Light-emitting diode)	50 watts
Mounting height	12' - 17'
Color	Black
Pole	Aluminum Flangeless Concrete Decorative Aluminum
Applications	Neighborhoods Parks Shopping centers

Light source: LED (Aria)
Wattage: 50 watts
Lumens: 5,100 (1.4:10:5)
Light pattern: IESNA Type IV
IESNA cutoff classification: Full cutoff
BUG rating: Type IV - B1 U052
Color temperature: 3,000K (1.4:10:5K)

POLE AVAILABLE	MOUNTING HEIGHT	COLOR
Aluminum	12', 15', 17'	Black
Flangeless	12'	Black
Flush Concrete	12'	Black
Decorative Aluminum	12', 16'	Black

FEATURES	BENEFITS
Turnkey operation	Provides hassle-free installation and service
Little or no installation cost	Free up capital for other projects
Design services by lighting professionals included	Meets industry standards and lighting ordinances
Maintenance, electricity & warranty included	Eliminates high and unexpected repair bills
One low monthly cost on your electric bill	Convenience and savings for you

For additional information, contact us at GOLC@dukeenergy.com

ANDELIA N/F
D.B. 5265, PG. 843
B.M. 1979, PG. 178
PIN #1759.20-80-4047

CONTROL CORNER
N(4) 7903.53.16'
E(X) 21587.22.80'
ELEV. 427.39'

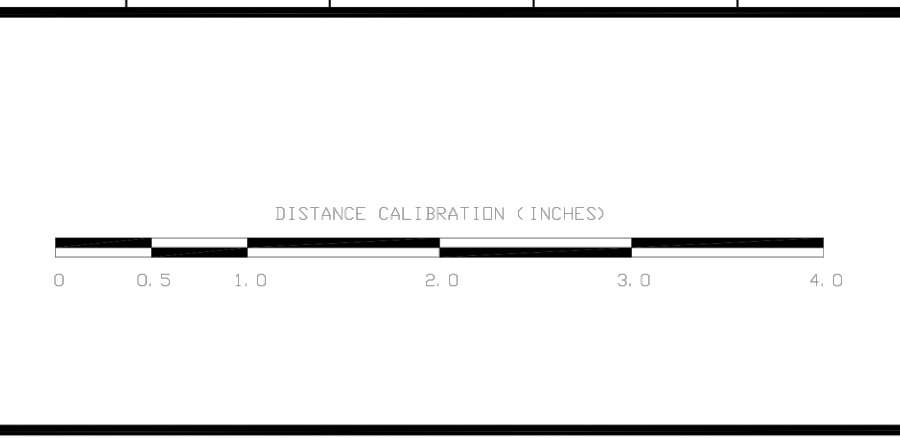
SPIRIT MASTER FUNDING VII, LLC
D.B. 15550, PG. 841
B.M. 2007, PG. 443
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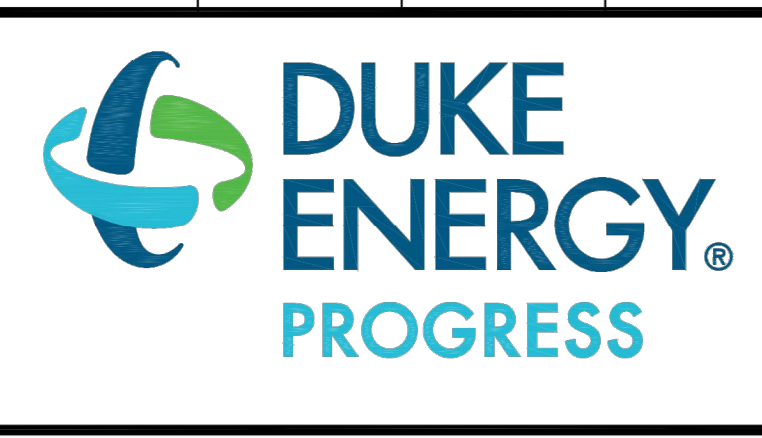
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking	X	1.1 fc	2.4 fc	0.1 fc	24.0:1	11.0:1

Schedule						
Symbol	Label	Quantity	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor
A		5	LED 50w Shoebox - Type IV - 3000K	16	382	0.85

NO.	DATE	REVISION	BY



LIGHTING DESIGN TOLERANCE
The calculated footcandle light levels in this lighting design are predicted values and are based on specific information that has been supplied to Duke Energy. Any inaccuracies in the supplied information, differences in luminaire installation, lighted area geometry including elevation differences, reflective properties of surrounding surfaces, obstructions (foliage or otherwise) in the lighted area, or lighting from sources other than listed in this design may produce different results from the predicted values. Normal tolerances of voltage, lamp output, and ballast and luminaire manufacture will also affect results.



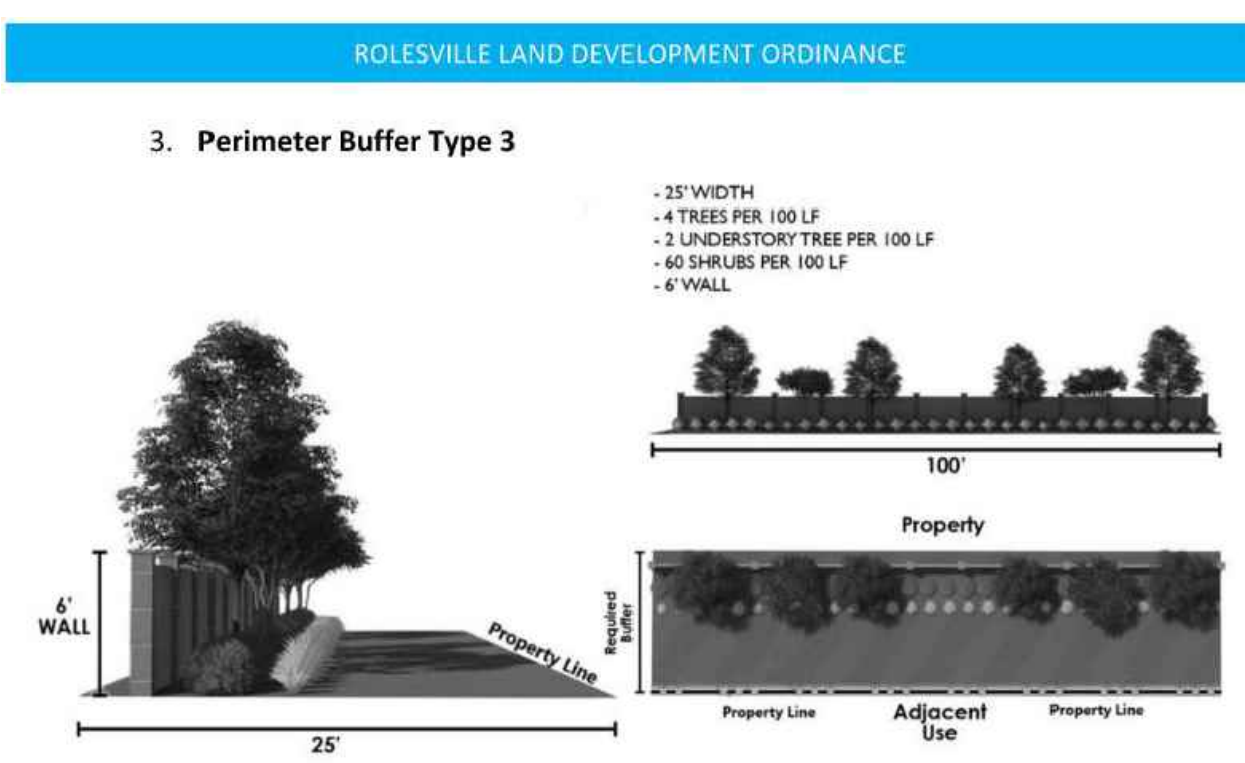
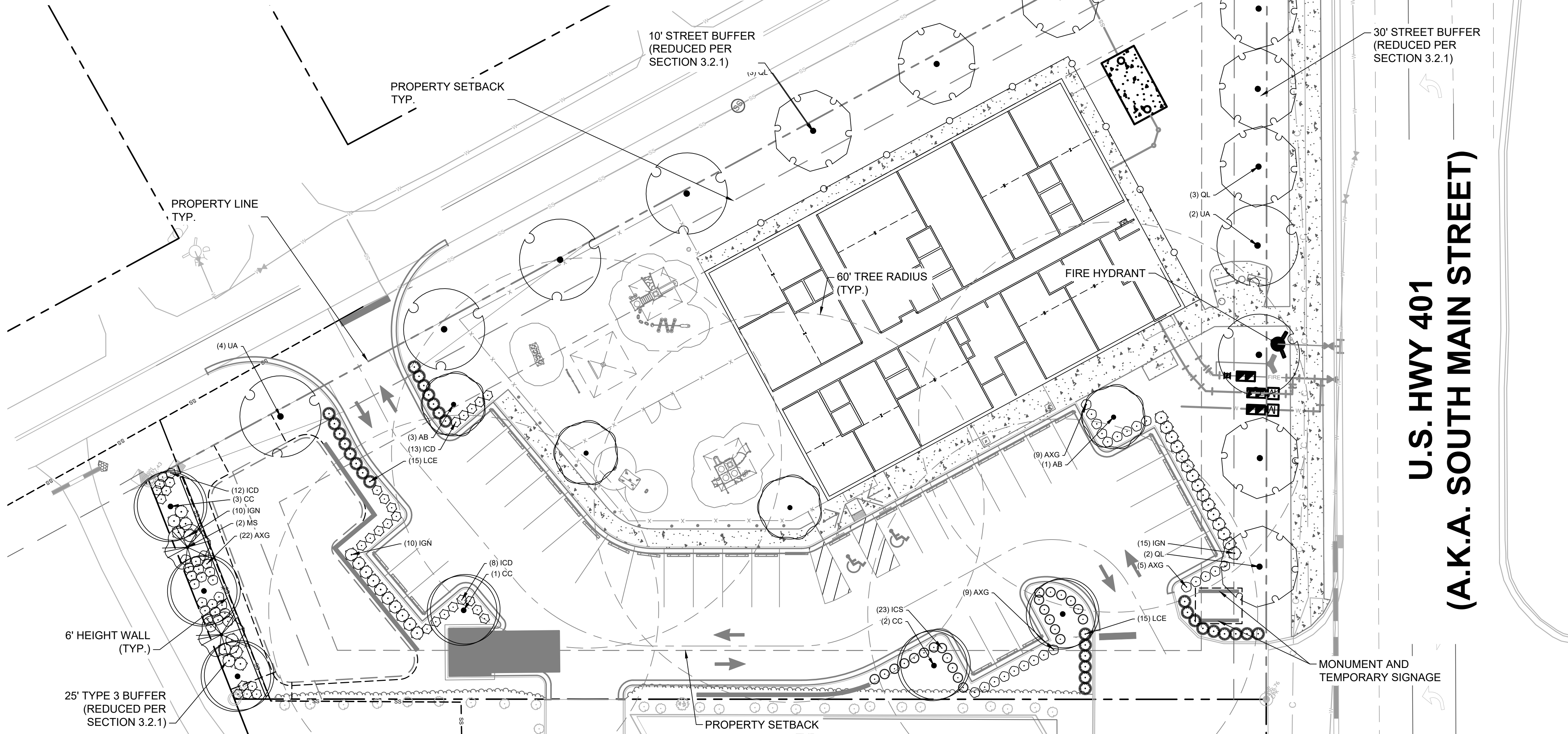
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ROLESVILLE LEARNING CENTER Rolesville, NC	
SITE LIGHTING ARRANGEMENT	
Designed by	DUKE ENERGY PROGRESS LIGHTING SOLUTIONS
Reviewed by	N. Johnson Scale 1" = 20'
Date	09/25/2023 Size Drawing size "D"
Description	LED Pedestrian Shoebox
Drawing No.	23-0400A Sht. 1 OF 1

Plotted by: Alexander, Jamal Sheet Set: THE LEARNING CENTER ROLESVILLE, LAYOUT: L1.0 LANDSCAPE PLAN, January 02, 2024, 05:08:07pm, K:\REAL_LDEV\013031004_Rolesville_Leaning_Center\PI.D_CAD_Files\SheetSet\L1.0 LANDSCAPE PLAN.dwg
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PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL	HEIGHT	LOCATION
	AB	4	ACER BUERGERIANUM	TRIDENT MAPLE	B&B	3" MIN.	12' MIN.	VUA
	CC	6	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	B&B	3" MIN.	12' MIN.	VUA
	MS	2	MAGNOLIA X SOULANGEANA	SAUCER MAGNOLIA MULTI-TRUNK	B&B	2" MIN.	8' MIN.	PERIMETER BUFFER
	QL	8	QUERCUS LYRATA	OVERCUP OAK	B&B	3" MIN.	12' MIN.	STREET BUFFER
	UA	8	ULMUS AMERICANA 'PRINCETON'	PRINCETON ELM	B&B	3" MIN.	12' MIN.	STREET BUFFER
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	HEIGHT	LOCATION	
	AXG	45	ABELIA X GRANDIFLORA 'CANYON CREEK'	CANYON CREK ABELIA	5 GAL	24" HT.	VUA, PERIMETER BUFFER	
	ICD	33	ILEX CORNUTA 'DWARF BURFORD'	DRAWF BURFORD HOLLY	5 GAL	24" HT.	VUA, PERIMETER BUFFER	
	ICS	23	ILEX CRENATA 'SOFT TOUCH'	SOFT TOUCH HOLLY	5 GAL	24" HT.	VUA, PERIMETER BUFFER	
	IGN	35	ILEX GLABRA 'NIGRA'	INKBERRY HOLLY	5 GAL	24" HT.	VUA, PERIMETER BUFFER	
	LCE	30	LOROPETALUM CHINENSE 'EMERALD SNOW'	EMERALD SNOW FRINGE FLOWER	5 GAL	24" HT.	VUA, PERIMETER BUFFER	



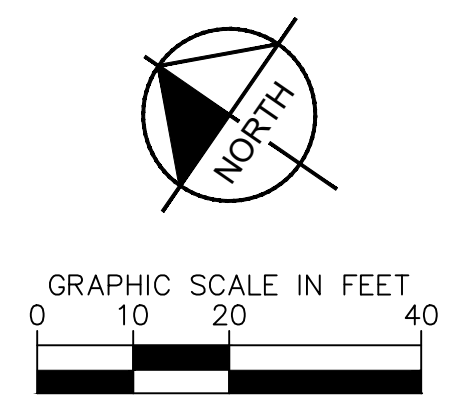
GENERAL NOTES:
 1. SEE SHEET L2.0 LANDSCAPE DETAILS FOR LANDSCAPE INSTALLATION NOTES AND DETAILS

LANDSCAPE REQUIREMENTS & CALCULATIONS

AREA TO BE LANDSCAPED	CODE REQUIREMENT	LOCATION	MEASUREMENT	QUANTITY REQUIRED	TOTAL QUANTITY PROVIDED	CODE SECTION
STREET BUFFER - 10' WIDE (REDUCED TO 65% OF WIDTH PER SECTION 3.2.1)	4 CANOPY TREE PER 100 LF	EAST - US HWY 401	*253 LF	$((253 / 100) \times 2.5) = 7$ CANOPY TREES + 1 TREE (25%)	8 CANOPY TREES	SECTION 6.2.2
STREET BUFFER - 10' WIDE (REDUCED TO 65% OF WIDTH PER SECTION 3.2.1)	4 CANOPY TREE PER 100 LF	NORTH - OLD ROGERS ROAD	*390 LF	$((253 / 100) \times 2.5) = 7$ CANOPY TREES + 2 TREES (25%)	9 CANOPY TREES	SECTION 6.2.2
TYPE 3 BUFFER - 25' WIDE (REDUCED TO 65% OF WIDTH PER SECTION 3.2.1)	4 CANOPY TREES, 2 UNDERSTORY TREES, AND 60 SHRUBS PER 100 LF WITH WALL AT 6' HEIGHT	WEST	*72 LF	$(72 / 100) \times 4 = 3$ CANOPY TREES	3 CANOPY TREES	SECTION 6.2.2
		WEST	*72 LF	$(72 / 100) \times 2 = 2$ UNDERSTORY TREES	2 UNDERSTORY TREES	SECTION 6.2.2
		WEST	*72 LF	$(72 / 100) \times 60 = 44$ SHRUBS	44 SHRUBS	SECTION 6.2.2
PARKING LOT	1 LARGE OR 1 MEDIUM CANOPY TREE PER PARKING ISLAND	PARKING LOT	SEE PLAN	TREES LOCATED WITHIN TERMINAL PARKING ISLANDS AND EACH PARKING SPACE TO BE WITHIN 60' OF A TREE	7 CANOPY TREES	SECTION 6.2.4

*NOTE: PER CODE SECTION 6.2.4, PARKING PERIMETER PLANTINGS SHALL CONSIST OF A SINGLE CONTINUOUS ROW OF SHRUBS PLANTED NO GREATER THAN THREE (3) FEET ON-CENTER AND WITHIN FIVE (5) FEET OF THE PARKING LOT EDGE. SHRUBS USED FOR PARKING PERIMETER PLANTING SHALL BE OF A MINIMUM HEIGHT OF THIRTY (30) INCHES ABOVE GRADE WITHIN THREE YEARS OF PLANTING. SHRUBS MAY NOT EXCEED A HEIGHT OF FOUR (4) FEET AND SHALL BE PRUNED AND MAINTAINED.

**U.S. HWY 401
(A.K.A. SOUTH MAIN STREET)**



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REVISIONS

NO.	DATE	BY

KHA PROJECT
013031004

DATE
09/29/2023

SCALE
AS SHOWN

DESIGNED BY
JAA

DRAWN BY
JAA

CHECKED BY
COE

THE LEARNING
CENTER ROLESVILLE

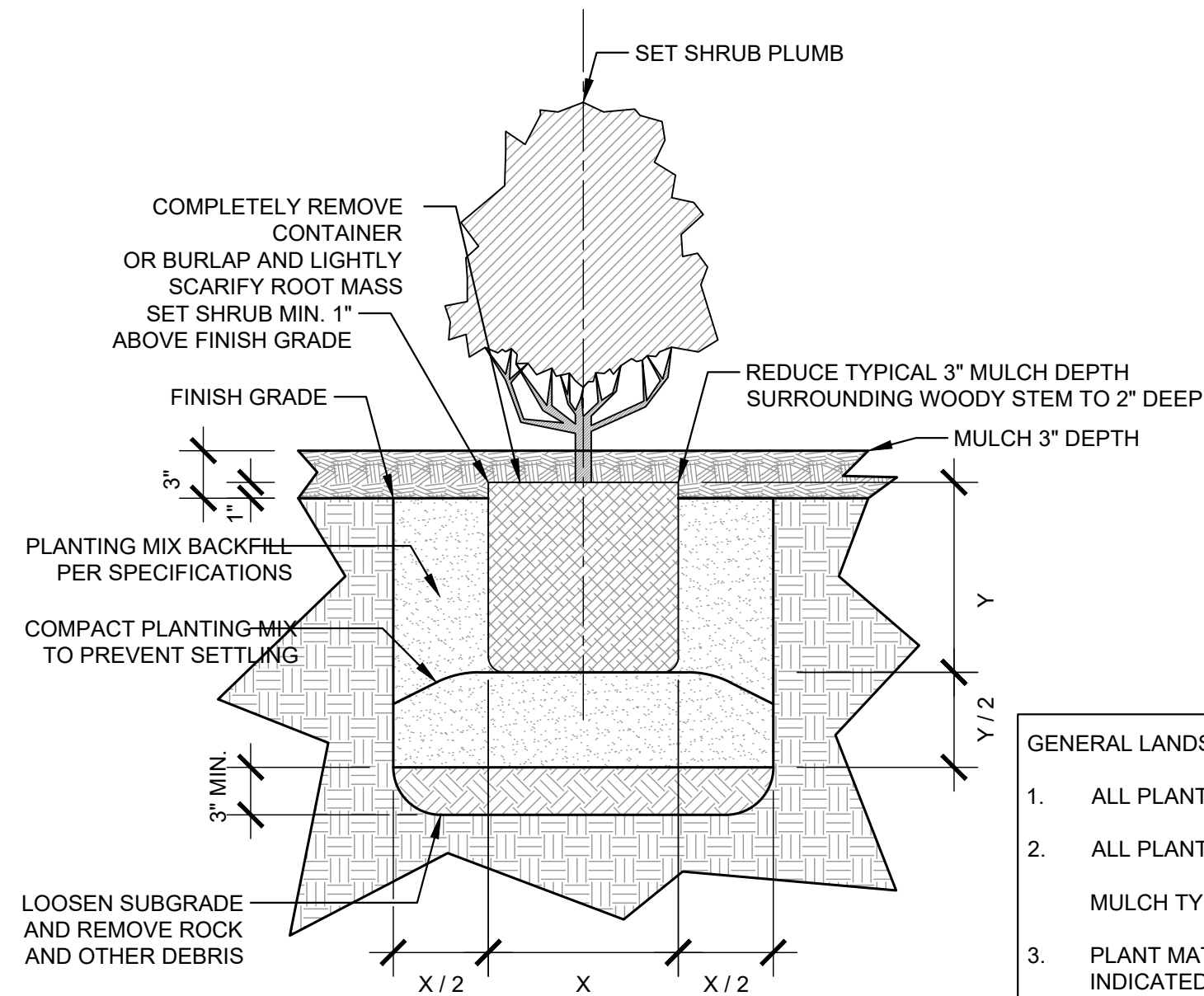
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ROLESVILLE, LLC.

TOWN OF ROLESVILLE
NORTH CAROLINA

LANDSCAPE PLAN

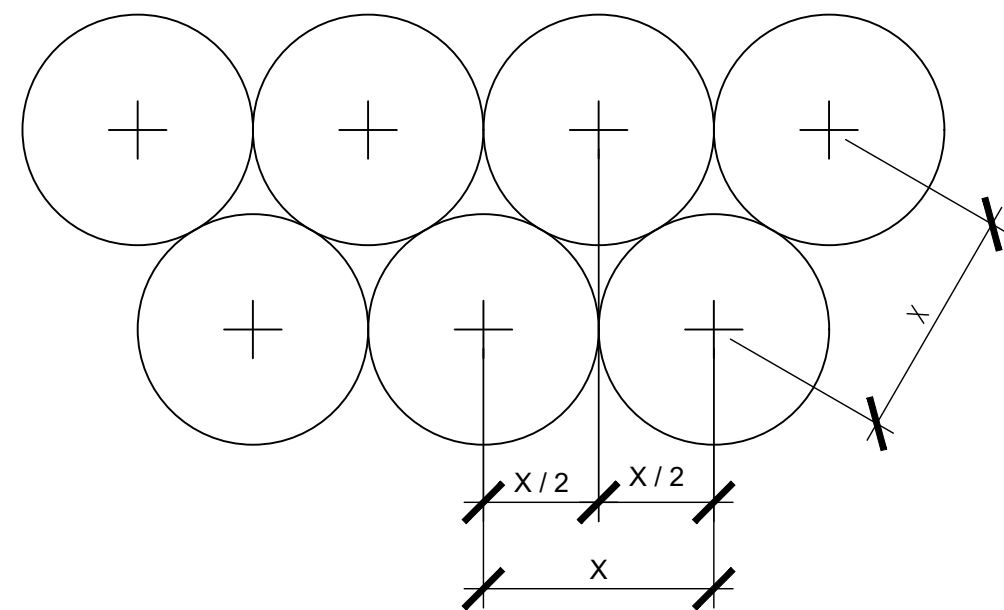
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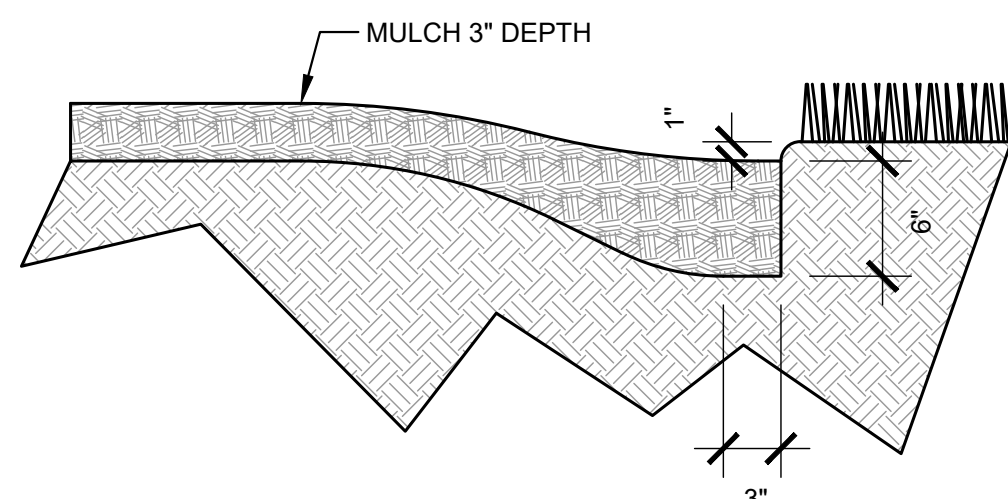
1
 LS-2
TYPICAL SHRUB PLANTING
 SECTION
 SCALE: 1"=1'-0"

- GENERAL LANDSCAPE NOTES:**
- ALL PLANT MATERIAL PRICING SHALL INCLUDE MULCH, BED PREPARATION, AND STAKING.
 - ALL PLANTING BEDS SHALL RECEIVE 3" (THREE INCHES) OF MULCH.
MULCH TYPE FOR PROJECT: DOUBLE SHREDDED HARDWOOD
 - PLANT MATERIAL SPACING SHOWN ON LANDSCAPE PLANS SHALL OVERRIDE TYPICAL PLANT SPACING INDICATED ON PLANT SCHEDULE. LANDSCAPE CONTRACTOR RESPONSIBLE FOR VERIFYING ALL PLANT SPACING AND MAKING MINOR FIELD ADJUSTMENTS DUE TO UTILITY CONFLICTS.



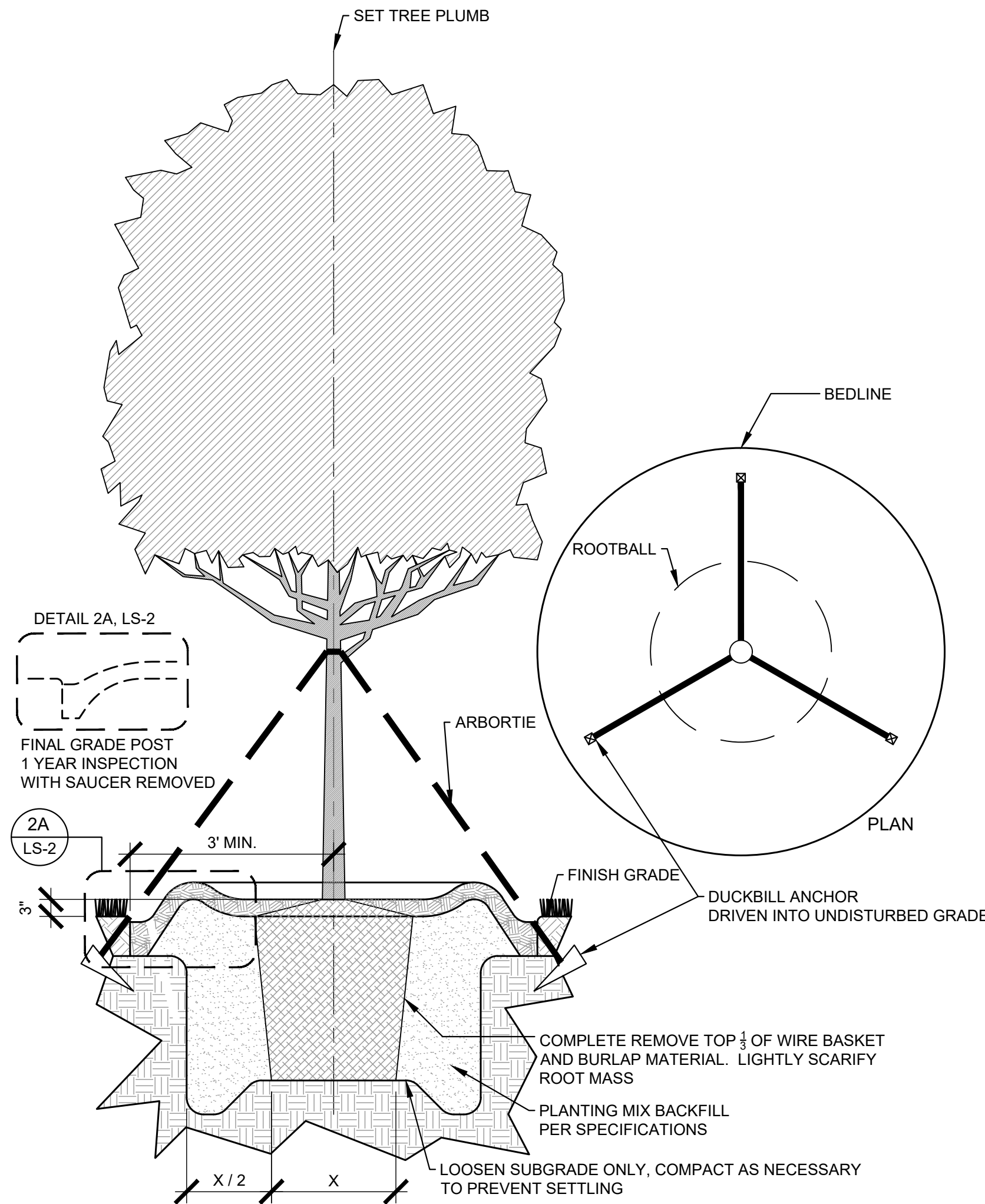
- PLANT SPACING NOTES:**
- SEE PLANTING PLAN FOR SHRUB AND GROUND COVER AREAS.
 - PLANT MATERIAL SHALL BE INSTALLED IN STRAIGHT AND PARALLEL ROWS UNLESS OTHERWISE SHOWN ON DRAWINGS.
 - SEE PLANTING PLAN AND / OR PLANT SCHEDULE FOR ACTUAL PLANT SPACING.

2
 LS-2
TYPICAL STAGGERED ROW PLANT SPACING
 PLAN
 SCALE: 1/2"=1'-0"



- PLANTING BED TRENCH EDGING NOTE:**
- TRENCH EDGE SHALL BE LOCATED BETWEEN PLANTING BED AND ALL TURF OR NATIVE GRASS AREAS.
 - TRENCH EDGE SHALL BE CONSTRUCTED ALONG ALL HARDSCAPE AREAS FOR SIMILAR CONDITION.
 - MAINTAIN POSITIVE DRAINAGE IN ALL PLANTING BEDS.

3
 LS-2
PLANTING BED TRENCH EDGING
 SECTION
 SCALE: 1"=1'-0"



- TREE PLANTING NOTES:**
- 4"-6" DIAMETER RIVER ROCK (INSIDE THE BUILDING PAD) OR 3" MINIMUM OF HARDWOOD BARK MULCH OR AS SPECIFIED (IN OUTLYING PLANT BEDS) (MULCH TYPE FOR PROJECT: SHREDDED CYPRESS MULCH)
 - TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE
 - ROOTBALLS GREATER THEN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLLING. ROOTBALLS SMALLER THEN 24" IN DIAMETER MAY SIT ON COMPACTED EARTH.

4
 LS-2
TYPICAL TREE PLANTING & GUYING
 PLAN & SECTION
 SCALE: 1/2"=1'-0"

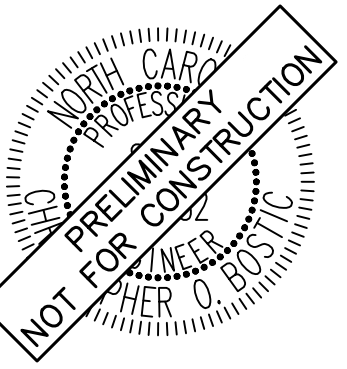
GENERAL LANDSCAPE NOTES:

- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST.
- ALL TREES MUST HAVE A STRAIGHT TRUNK AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
- ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
- ALL SHADE TREES LOCATED WITHIN VEHICLE SIGHT TRIANGLES SHALL BE BRANCHED MIN. 8' (MEASURED FROM ADJACENT PROJECTED CURB LINE ELEVATION) PER ANSI Z60.1 STANDARDS FOR HEIGHT OF BRANCHING - STREET TREES.
- ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK. ANY DISCREPANCIES BETWEEN QUANTITIES ON PLAN AND PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF WAKE COUNTY INSPECTOR AND ANY FIELD ADJUSTMENTS OR QUANTITY ADJUSTMENTS MUST BE AUTHORIZED PRIOR TO PLANTING.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF THE PLANTING AREAS AND LAWN UNTIL SUBSTANTIAL COMPLETION.
- CONTRACTOR SHALL INSTALL AND MAINTAIN TWO (2) GATORBAGS PER LARGE CANOPY TREE
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF TWO (2) YEAR BEGINNING ON THE DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- LANDSCAPE ARCHITECT SHALL APPROVE ALL BED LAYOUT STAKING PRIOR TO INSTALLATION OF PLANT MATERIAL.
- THE LANDSCAPE ARCHITECT SHALL APPROVE THE STAKING LOCATION OF ALL TREES PRIOR TO INSTALLATION.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO SUBSTANTIAL COMPLETION OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE MEETING ALL PLANT SCHEDULE SPECIFICATIONS.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ALL SHRUB, GROUND COVER AND SEASONAL COLOR ANNUAL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH DOUBLE SHREDDED HARDWOOD OR CURRENT CITY STANDARD TO A DEPTH OF THREE (3) INCHES.
- 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 TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
- SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
- ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.
- THE TOP OF ALL ROOT BALLS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE, AS BORN TO PREVIOUS GRADE AND GROWING CONDITIONS.
- ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
- ALL STRAPPING AND TOP 2/3 OF WIRE BASKET MUST BE CUT AWAY AND REMOVED FROM ROOT BALL PRIOR TO BACKFILLING PLANTING PIT. REMOVE TOP 1/3 OF THE BURLAP FROM ROOT BALL.
- FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB-BASE AND CONSTRUCTION DEBRIS; REMOVE COMPACTED SOIL AND ADD 24" NEW TOPSOIL OR UNCOMPACT AND AMEND THE TOP 24" OF EXISTING SOIL TO MEET TOPSOIL PLANTING MIX STANDARDS FOR TREES. SEE DETAILS THIS SHEET.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TREES AND SHRUBS THAT WILL MEET BOTH MINIMUM SIZE AND SPACING FOR TREE AND ZONING ORDINANCE COMPLIANCE. FAILURE TO INSTALL PLANT MATERIAL PER THIS PLAN WILL JEOPARDIZE ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING INSPECTIONS OF PLANT MATERIAL.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES & ORDINANCES REGARDING LANDSCAPING. GENERAL CONTRACTOR IS TO CLEAN THE ENTIRE SITE OF ALL CONSTRUCTION DEBRIS AND TO RAKE ENTIRE SITE.
- THE CONTRACTOR SHALL INSTALL BLACK FABRIC MESH UNDER PLANTING BED MULCH TO PREVENT WEED GROWTH.
- EACH LARGE CANOPY TREE AT THE TIME OF PLANTING SHALL BE A MINIMUM OF TWO (2) INCHES IN CALIPER AND EIGHT (8) - TEN (10) FEET IN HEIGHT. WHEN MATURE, A LARGE CANOPY TREE SHOULD BE AT LEAST FORTY (40) FEET HIGH AND HAVE A MINIMUM CROWN WIDTH OF THIRTY (30) FEET. LARGE CANOPY TREES MAY BE SUBSTITUTED WITH TWO (2) UNDERSTORY TREES. HOWEVER, NO MORE THAN FIFTY (50) PERCENT OF THE REQUIRED LARGE CANOPY TREES MAY BE SUBSTITUTED. EACH UNDERSTORY TREE AT THE TIME OF PLANTING SHALL BE A MINIMUM OF ONE (1) INCH IN CALIPER AND EIGHT (8) FEET IN HEIGHT. WHEN MATURE, AN UNDERSTORY TREE SHOULD BE BETWEEN FIFTEEN (15) AND FORTY (40) FEET HEIGHT. EVERY TWO (2) UNDERSTORY TREES MAY BE SUBSTITUTED WITH ONE (1) LARGE CANOPY TREE. HOWEVER, NO MORE THAN FIFTY (50) PERCENT OF THE REQUIRED UNDERSTORY TREES MAY BE SUBSTITUTED. EACH SHRUB AT THE TIME OF PLANTING SHALL BE 3 GALLON SIZE OR LARGER. SUBSTITUTIONS SHOULD BE CONFIRMED WITH THE PLANNING DIVISION.

NOTE:
 Each large canopy tree at the time of planting shall be a minimum of two (2) inches in caliper and eight (8) - ten (10) feet in height. When mature, a large canopy tree should be at least forty (40) feet high and have a minimum crown width of thirty (30) feet. Large canopy trees may be substituted with two (2) understory trees. However, no more than fifty (50) percent of the required large canopy trees may be substituted. Each understory tree at the time of planting shall be a minimum of one (1) inch in caliper and eight (8) feet in height. When mature, an understory tree should be between fifteen (15) and forty (40) feet height. Every two (2) understory trees may be substituted with one (1) large canopy tree. However, no more than fifty (50) percent of the required understory trees may be substituted. Each shrub at the time of planting shall be 3 gallon size or larger. Substitutions should be confirmed with the Planning Division.

No.	REVISIONS	DATE	BY
1			
2			
3			
4			
5			
6			
7			

Kimley»Horn
 © 2023 KIMLEY-HORN AND ASSOCIATES, INC.
 WWW.KIMLEY-HORN.COM PHONE: 919.677.2000 FAX: 919.677.2050
 421 FAYETTEVILLE STREET, SUITE 800, RALEIGH, NC 27601



KHA PROJECT	013031004
DATE	09/29/2023
SCALE	AS SHOWN
DESIGNED BY	JAA
DRAWN BY	JAA
CHECKED BY	COB

LANDSCAPE DETAILS

THE LEARNING CENTER ROLESVILLE
 PREPARED FOR
ROLESVILLE, LLC.
 NORTH CAROLINA

SHEET NUMBER
L2.0



SDP-23-07

H:\DRAWINGS\TILE - THE LEARNING EXPERIENCE\TILE - NORTH CAROLINA\TILENC23-228 - TILE ROLESVILLE US HWY 401 S MAIN ST\SPACE PLANS\TILENC23-228-SA-1.DWG CSCHWEIKER PLOTTED: 12/21/2023

LICENSING CALCULATIONS								
Learning Experience, Roseville, North Carolina								
ROOM NAME	STATE REQUIRED AREA	NET AREA	ACTUAL AREA	RATIO	# OF CHILDREN	#OF TEACHERS	TEACHER RATIO	AGE GROUP
INFANTS A	440	493	552	55	8	2	1/4	6W-12MO
INFANTS B	440	482	541	55	8	2	1/4	6MO-18MO
TODDLERS A	350	358	417	35	10	2	1/5	18-24 MO
TODDLERS B	350	362	421	35	10	2	1/5	18-24MO
TWADDLERS	560	570	629	35	16	2	1/8	24-30 MO
PREPPERS	560	575	623	35	16	2	1/8	30-36 MO
PRE-SCHOOL 1	630	644	656	35	18	2	1/9	3-5 Y
PRE-SCHOOL 2	840	847	859	35	24	2	1/12	4-5Y
PRE-SCHOOL 3	630	637	649	35	18	2	1/9	3-5Y
PRE K-K	490	502	522	35	14	1	1/14	5-6Y
MBB/PRE-SCHOOL	735	740	752	35	21	2	VARIES	VARIES
TOTALS		6210			163	21		
					2	ADMIN STAFF		
					TOTAL	186		

1. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING THE CONTRACTOR'S BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCE, AND JOB SITE SAFETY.

2. GC MUST PROVIDE & INSTALL ALL PRODUCTS PER PLANS. ONLY SUBSTITUTED PRODUCTS NEED TO BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. UNAPPROVED SUBSTITUTIONS WILL BE REPLACED AT THE EXPENSE OF THE GC.

3. VERBAL REPRESENTATION HAS NO VALUE AND ALL REQUESTS TO CHANGE ANY PRODUCTS OR SPECIFICATIONS PER PLANS, MUST BE SUBMITTED IN WRITING TO THE ARCHITECT & TLE FOR APPROVAL.



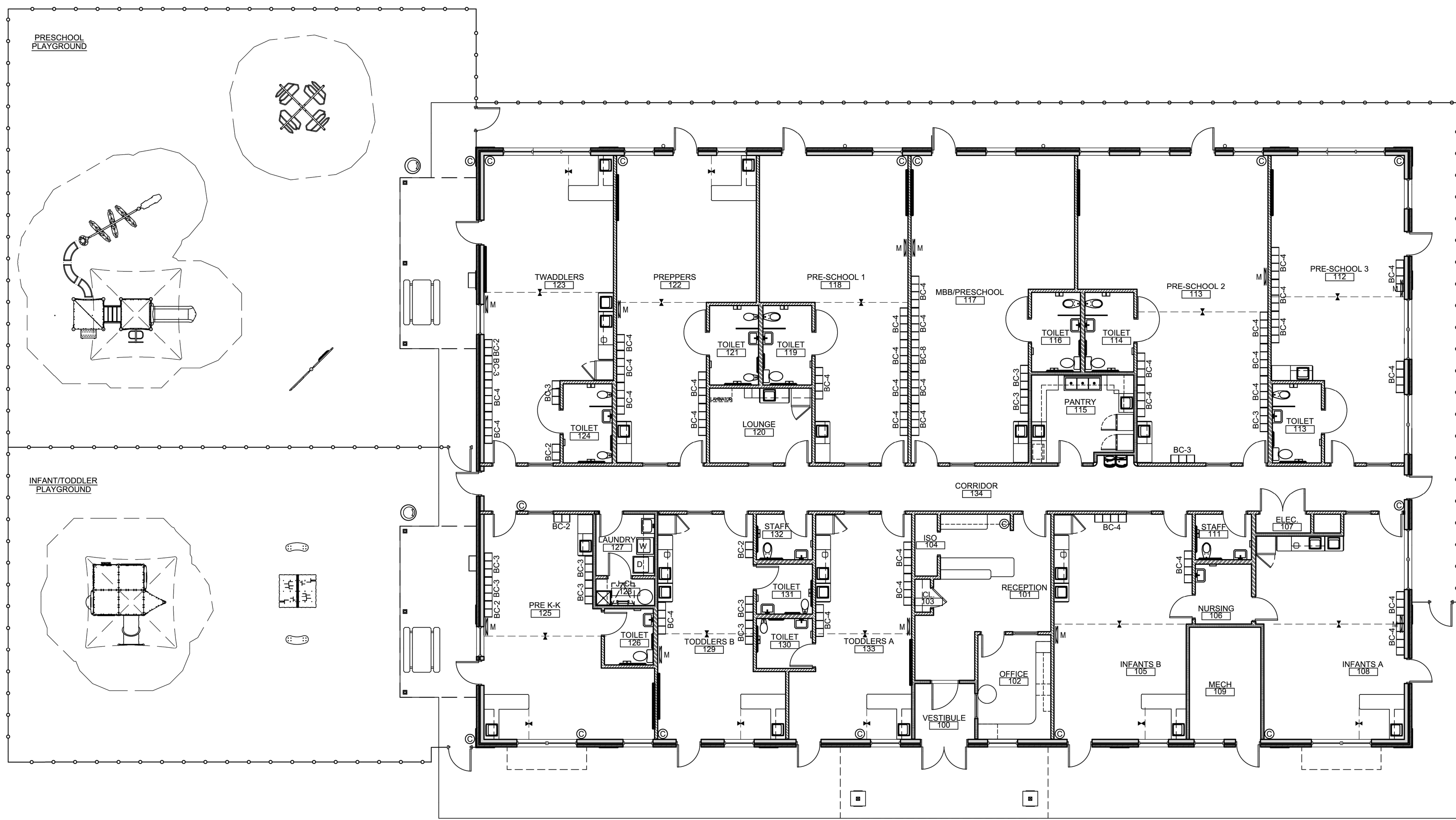
Jarmel Kizel
ARCHITECTS AND ENGINEERS INC.
42 OKNER PARKWAY
LIVINGSTON, NEW JERSEY 07039
TEL: 973-994-9669
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THE LEARNING EXPERIENCE
ACADEMY OF
EARLY EDUCATION



US Hwy 401 S Main St
ROLESVILLE NORTH CAROLINA



1 FLOOR PLAN
SCALE: 1/8"=1'-0"

ISSUE			
NO.	DATE	DESCRIPTION	INT.

REVISION			
NO.	DATE	DESCRIPTION	INT.

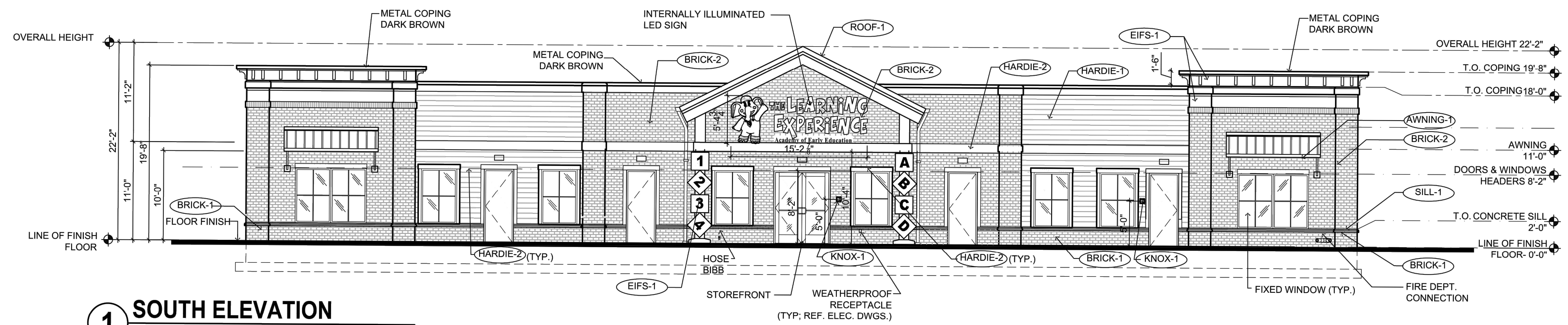
PROFESSIONAL CERTIFICATION
NAME OF LICENSEE:
MATTHEW B. JARME
LICENSE NUMBER: 10120

Project Number: TLENC23-228	Scale: AS NOTED
Drawn By: BB	Approved By: —

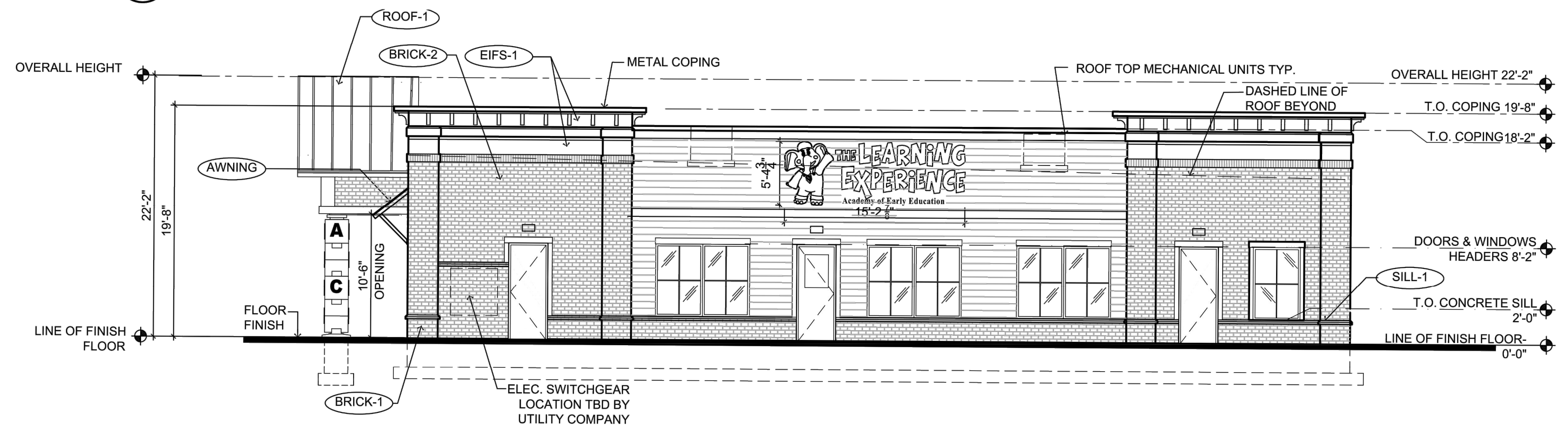
Drawing Name:
PROPOSED FLOOR PLAN

Drawing Number:
SA-1.1

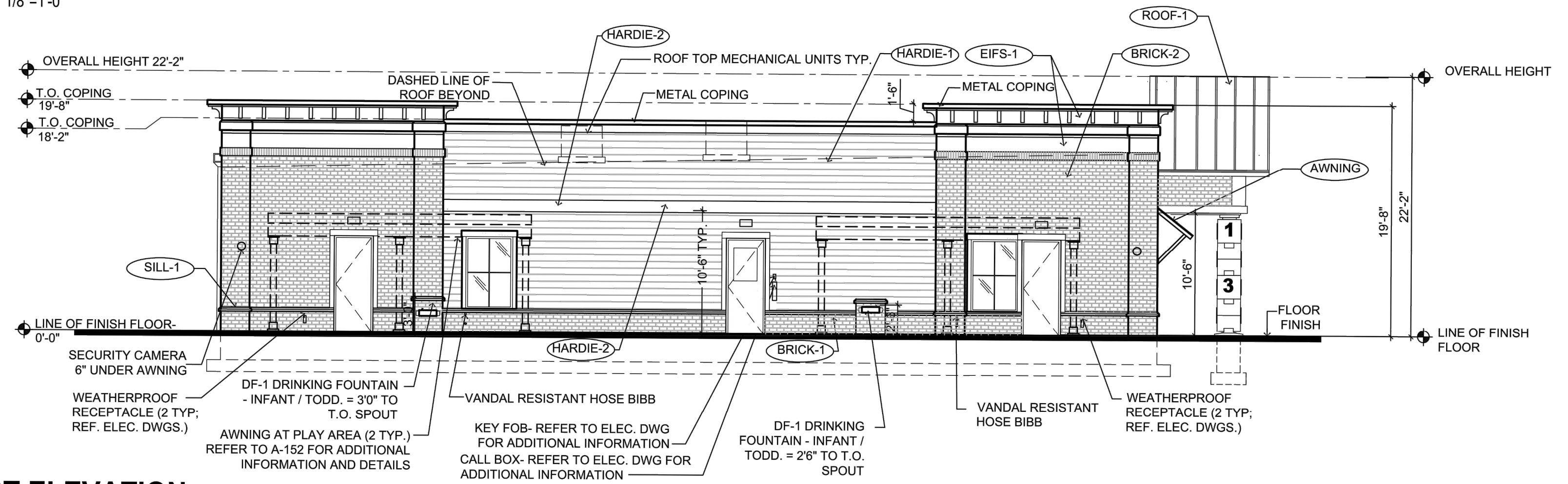
H-DRAWINGS: TITLE - THE LEARNING EXPERIENCE - NORTH CAROLINA; TLENC23-228 - TLE ROLESVILLE US HWY 401 S MAIN ST; SPACE PLAN; TITLE: TLENC23-228-SA-1.DWG CSCHWEIKER PLOTTED: 12/21/2023



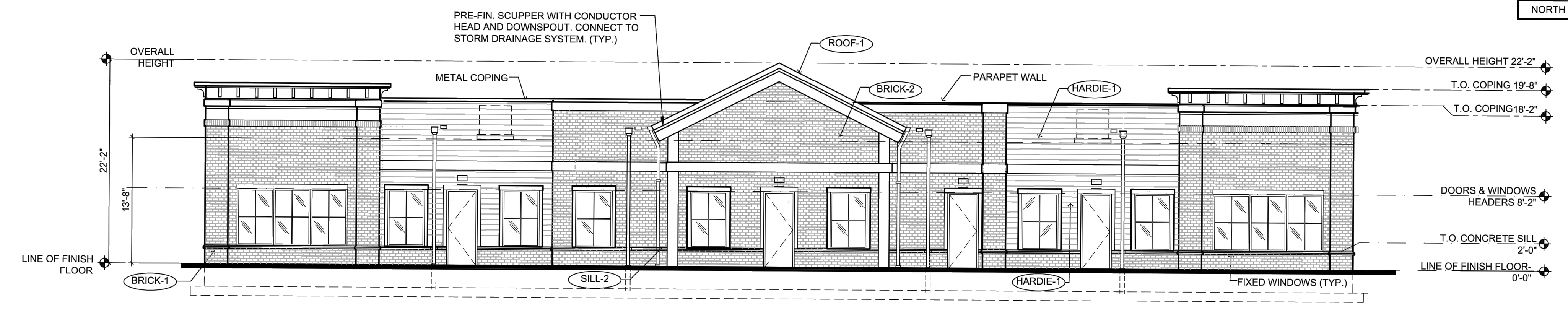
1 SOUTH ELEVATION
SCALE: 1/8"=1'-0"



2 EAST ELEVATION
SCALE: 1/8"=1'-0"



3 WEST ELEVATION
SCALE: 1/8"=1'-0"



4 NORTH ELEVATION
SCALE: 1/8"=1'-0"

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EXTERIOR MATERIAL SCHEDULE			
LABEL	MANUFACTURER	SIZE / TYPE	FINISH / COLOR
STOREFRONT	KAWNEER	TRIFAB 451T / 350 PER DOOR SCHEDULE	DARK BRONZE
DOOR	-	PER DOOR SCHEDULE	FACTORY PRIMED
FIXED WINDOW	PLY GEM	SILVER LINE V1 SERIES PER WINDOW SCHEDULE	DARK BRONZE
SILL-1	ROCKCAST	CAST STONE SILL	BUFFSTONE
SILL-2	ROCKCAST	CUSTOM SILL 3 3/4"Hx4"W W/ 2" FLAT REF. DTL. 6/A-032	BUFFSTONE
BRICK-1	GENERAL SHALE	MODULAR BRICK VENEER	DUTCH CHOCOLATE
BRICK-2	GENERAL SHALE	MODULAR BRICK VENEER	MILLBROOK
HARDIE-1	JAMES HARDIE	HARDIEPLANK LAP SIDING	COBBLESTONE
HARDIE-2	JAMES HARDIE	HARDIEPLANK TRIM	WHITE
EIFS-1	DRYVIT	SMOOTH FINISH	SW 7044 AMAZING GRAY
ROOF-1	BERRIDGE	STANDING SEAM METAL	DARK BRONZE
AWNING-1	BERRIDGE	STANDING SEAM AWNING W/ FRAME	DARK BRONZE
AWNING-2	-	FABRIC AWNING OVER FRAME REFER TO NOTE #4	MIDNIGHT BLUE
KNOX-1	KNOX BOX	3200 SERIES W/ RECESSED MOUNT FLANGE, HINGE DOOR, & TAMPER SWITCH	DARK BRONZE (REF. NOTE 2 BELOW)
KNOX-2	KNOX BOX	1650 SERIES W/ RECESSED MOUNT FLANGE, HINGE DOOR, & TAMPER SWITCH	DARK BRONZE (REF. NOTE 2 BELOW)

FINISH SCHEDULE NOTES:
1. G.C. SHALL VERIFY KNOX BOX MODEL(S) AND LOCATION(S) WITH AUTHORITY HAVING JURISDICTION PRIOR TO ORDERING AND INSTALLATION.
2. G.C. SHALL ENSURE ALL EXTERIOR FINISHES ARE INSTALLED AND FINISHED IN COMPLIANCE WITH MANUFACTURERS' WARRANTY REQUIREMENTS.
3. IF BLOCKS ARE NOT PERMITTED, COLUMNS MUST MATCH EXTERIOR FINISH OF THE BUILDING.
4. PER 2015 IBC SECTION 3105, AWNING FRAMES SHALL BE OF NONCOMBUSTIBLE MATERIALS AND DESIGNED TO RESIST APPLICABLE WIND LOADS. THE COVERING FABRIC SHALL HAVE A FLAME SPREAD RATING NOT GREATER THAN 25.

TRANSPARENCY CALCULATIONS				
	WALL	TRANSPARENCY	REQUIRED	PROVIDED
SOUTH	1,313 SQ. FT.	408 SQ. FT.	30.0%	31.07%
EAST	840 SQ. FT.	256 SQ. FT.	30.0%	30.48%
WEST	N/A	N/A	N/A	N/A
NORTH	1,313 SQ. FT.	431 SQ. FT.	30.0%	32.83%

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ACADEMY OF EARLY EDUCATION
US Hwy 401 S Main St
ROLESVILLE NORTH CAROLINA

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NO.	DATE	DESCRIPTION	INT.

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NO.	DATE	DESCRIPTION	INT.

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Drawn By: BB
Approved By: —

Drawing Name:
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Drawing Number:
SA-1.2