

# V3 - SDP-23-09

# SCOOTER'S ROLESVILLE

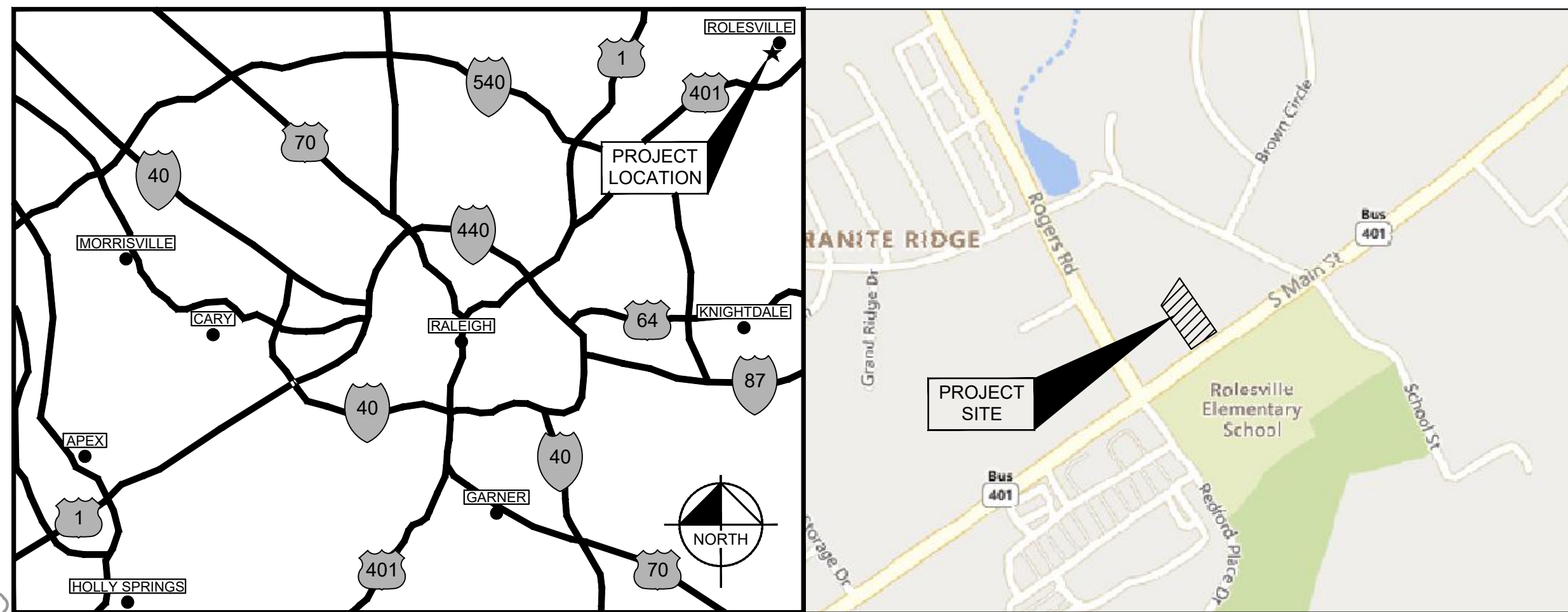
306 SOUTH MAIN STREET  
ROLESVILLE, NC 27571

A DEVELOPMENT BY:  
**S&S JAVA ENTERPRISES**

**PROJECT NO.: SDP-23-09**  
**DATE: OCTOBER 31, 2023**

## SITE DATA TABLE

PIN:	1759806076
TOTAL SITE AREA:	0.70 AC
EXISTING ZONING:	GENERAL COMMERCIAL (GC)
BUFFERS:	30' STREETSCAPE BUFFER 25' TYPE 3 PERIMETER BUFFER (REAR)
PROPERTY SETBACKS:	FRONT: 20' SIDE: 15' REAR: 35'
WATERSHED:	SANFORD CREEK
RIVER BASIN:	NEUSE
CURRENT USE:	VACANT
PROPOSED USE:	COMMERCIAL
CURRENT IMPERVIOUS:	144 SF
PROPOSED IMPERVIOUS:	18,700 SF
PARKING:	MIN. REQUIRED: (2.5 SPACES/1,000 SF) X 700 SF = 2.5 SPACES  MAX. ALLOWED: (10 SPACES/1,000 SF) X 700 SF = 7 SPACES  PROVIDED: 7 SPACES
ACCESSIBLE PARKING:	REQUIRED: 1 SPACE PROVIDED: 1 SPACE
LOADING SPACES:	REQUIRED: 1 SPACE PROVIDED: 1 SPACE
BICYCLE PARKING:	MIN. REQUIRED: (1 SPACE/5,000 SF) X 700 SF = 1 SPACES  PROVIDED: 2 SPACES
OPEN SPACE:	REQUIRED:  TOTAL REQUIRED: 0.70 AC X 5% = 0.035 AC (1,525 SF)  ACTIVE OPEN SPACE REQUIRED: 0.035 AC X 50% = 0.018 AC (784 SF)  PROVIDED:  ACTIVE OPEN SPACE PROVIDED: 0.031 AC (1,358 SF)  PASSIVE OPEN SPACE PROVIDED: 0.050 AC (2,192 SF)  TOTAL OPEN SPACE PROVIDED: 0.081 AC (3,550 SF)
TREE COVERAGE DATA:	SEE SHEET L1.0
BUILDING HEIGHT:	19'
BUILDING SQUARE FOOTAGE:	700 SF (APPROX.)



**PROJECT LOCATION MAP**

SCALE: NOT TO SCALE

**VICINITY MAP**

SCALE: 1" = 500'

## PROJECT OWNERS & CONSULTANTS

<p><b>OWNER</b> ROLESVILLE, LLC 11016 RUSHMORE DRIVE, SUITE 160 CHARLOTTE, NORTH CAROLINA 28277 CONTACT: MARLAINE KLINTWORTH PHONE: (919) 868-4472 EMAIL: mvkcommercial@gmail.com</p>	<p><b>LANDSCAPE ARCHITECT</b> KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE ST., SUITE 600 RALEIGH, NORTH CAROLINA 27601 CONTACT: ADAM FULLERTON, M.L.A. ASLA PHONE: (919) 555-2937 EMAIL: adam.fullerton@kimley-horn.com</p>
<p><b>DEVELOPER</b> S&amp;S JAVA ENTERPRISES - ROLESVILLE, LLC 13 LAFAYETTE DRIVE CLAYTON, NORTH CAROLINA 27527 CONTACT: ROBERT SOUTHERLAND PHONE: (919) 426-7670 EMAIL: b2driver@earthlink.net</p>	<p><b>SURVEYOR</b> 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@cmpps.com</p>
<p><b>CIVIL ENGINEER</b> KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE ST., SUITE 600 RALEIGH, NORTH CAROLINA 27601 CONTACT: CHRIS BOSTIC, P.E. PHONE: (919) 553-2927 EMAIL: chris.bostic@kimley-horn.com</p>	

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

### SITE PERMITTING APPROVAL

**Water and Sewer Permits (if applicable)**

The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. **City of Raleigh Public Utilities Department Permit #** \_\_\_\_\_

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. **City of Raleigh Public Utilities Department Permit #** \_\_\_\_\_

The City of Raleigh consents to the connection to its public sewer system and extension of the private sewer collection system as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. **City of Raleigh Public Utilities Department Permit #** \_\_\_\_\_

**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**

Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval \_\_\_\_\_  
Raleigh Water Review Officer

**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: Barnes, Michael. Sheet Set: SCOOTER'S ROLESVILLE. Layout: C0.0 COVER SHEET. March 01, 2024. 05:01:00pm. K:\RAL\_LDEV\016485000-Scoters Rolesville\Planning\P15\_CAD Files\PlanSheets\C0.0 COVER SHEET.dwg

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03/01/2024 JAA  
01/02/2024 IMDB

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#F-0102 WWW.KIMLEY-HORN.COM PHONE: 919.677.2000 FAX: 919.677.2050

**COVER SHEET**

SCOOTER'S ROLESVILLE  
PREPARED FOR  
S&S JAVA ENTERPRISES  
ROLESVILLE NC

KHA PROJECT 016485000  
DATE 10/31/2023  
SCALE AS SHOWN  
DESIGNED BY JAA  
DRAWN BY JAA  
CHECKED BY COB

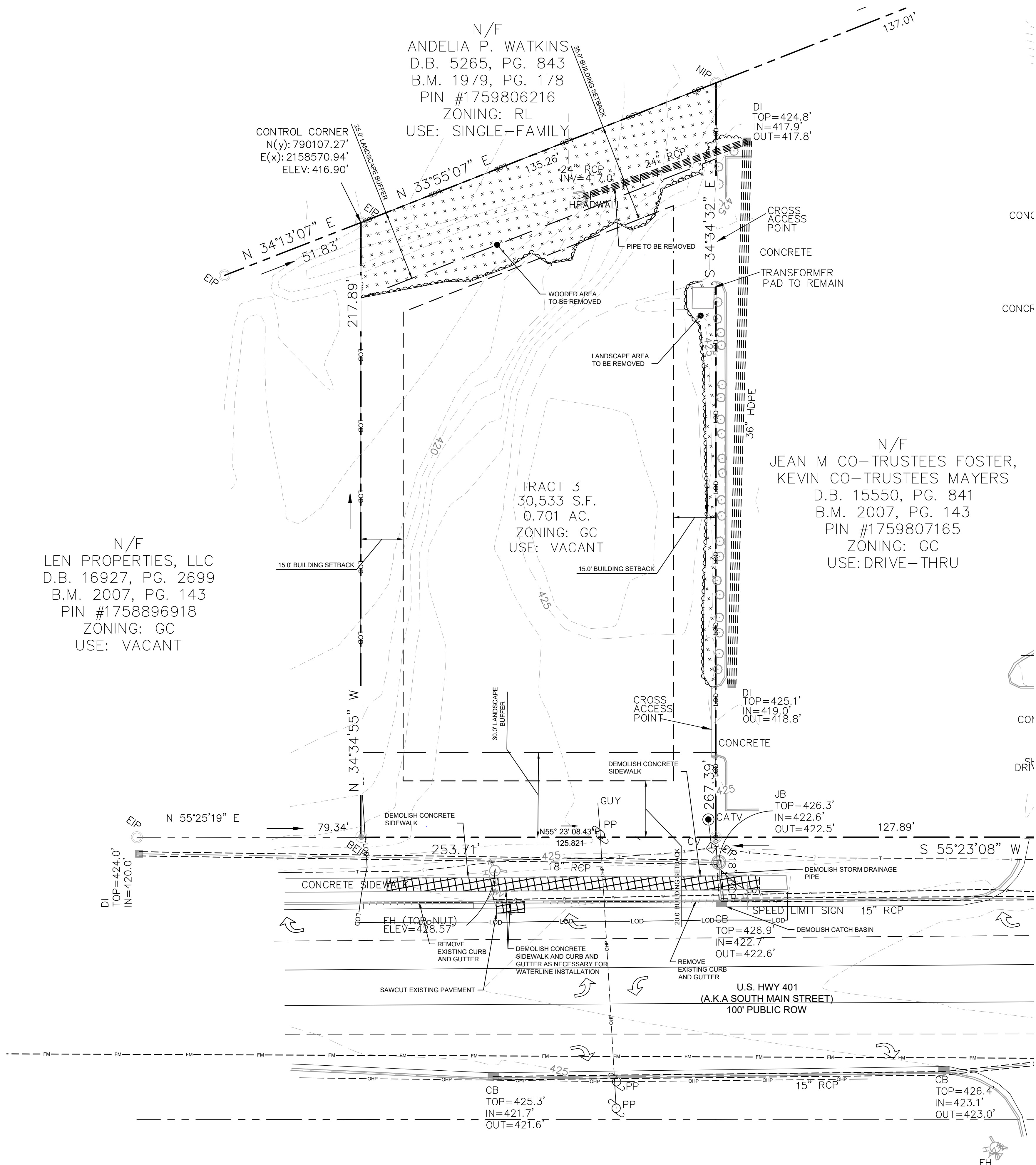
TOWN COMMENTS  
TOWN COMMENTS  
REVISIONS

DATE BY





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NORTH

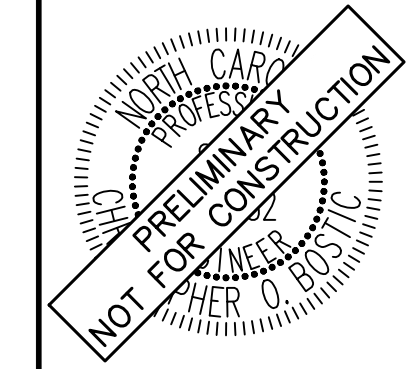
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DEMOLITION LEGEND	
	PROPERTY LINE
	LIMITS OF DISTURBANCE
	DEMOLISH SITE ITEM
	SAWCUT
	SIDEWALK/PAVEMENT/GRAVEL AREA TO BE REMOVED
	VEGETATED AREA TO BE REMOVED

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

**Kimley»Horn**

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KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
016485000	10/31/2023	AS SHOWN	JAA	JAA	COB

**EXISTING CONDITIONS & DEMOLITION PLAN**

**SCOOTER'S ROLESVILLE**  
 PREPARED FOR  
**S&S JAVA ENTERPRISES**  
 ROLESVILLE, NC

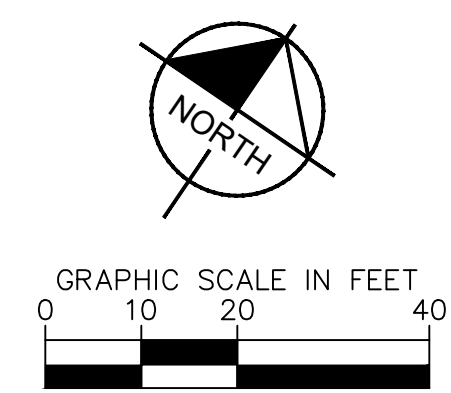
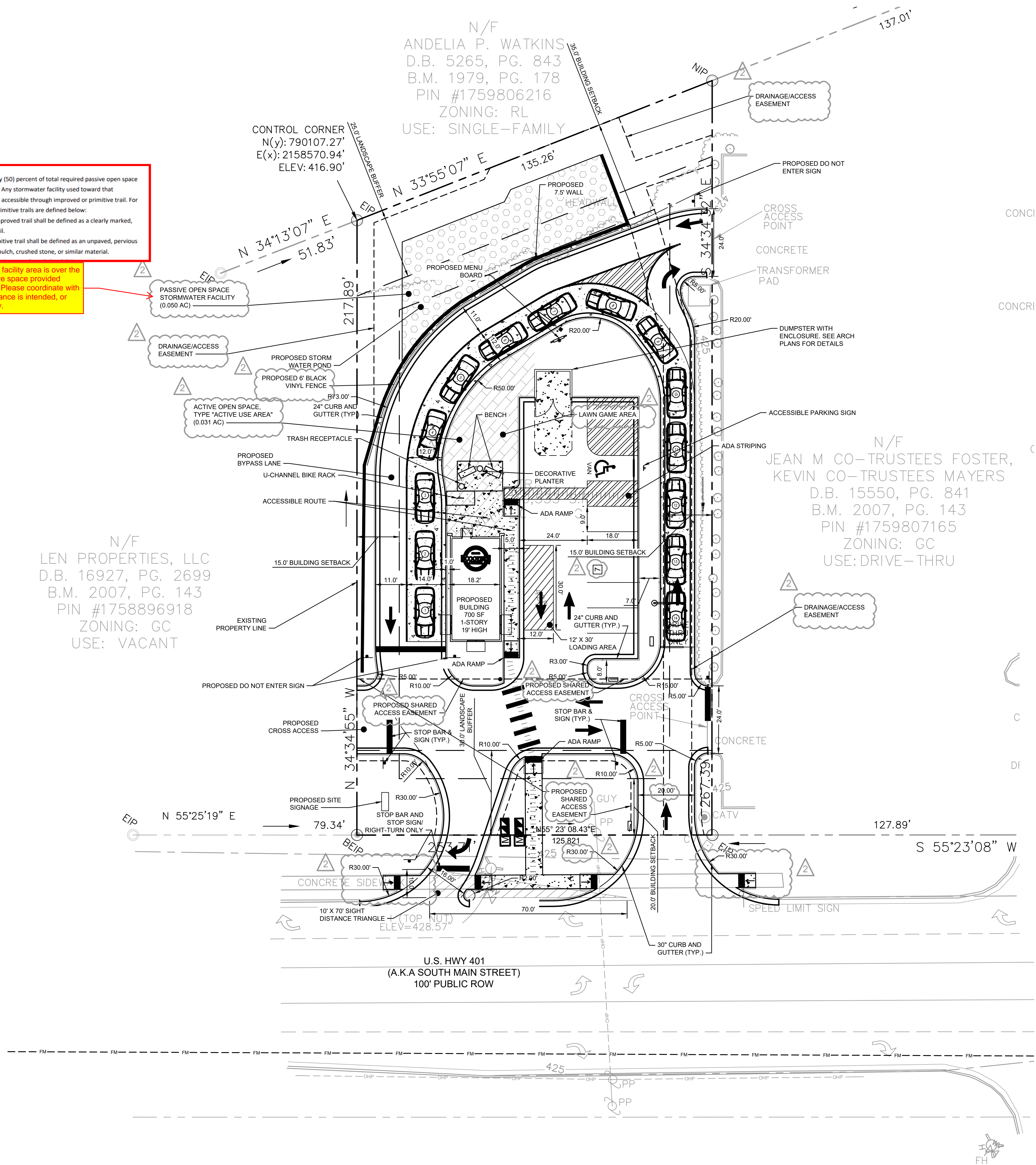
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gathering space.  
 7. **Stormwater.** A maximum fifty (50) percent of total required passive open space may be stormwater facilities. Any stormwater facility used toward that requirement shall be publicly accessible through improved or primitive trail. For this section, improved and primitive trails are defined below:  
 a. **Improved Trail.** An improved trail shall be defined as a clearly marked, paved, impervious trail.  
 b. **Primitive Trail.** A primitive trail shall be defined as an unpaved, pervious trail that consists of mulch, crushed stone, or similar material.

1. The total storm facility area is over the 50% of the passive space provided required passive. Please coordinate with the Town if a variance is intended, or revise accordingly.



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
	ACCESSIBLE ROUTE
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	STANDARD DUTY CONCRETE
	HEAVY DUTY CONCRETE
	CONCRETE SIDEWALK
	ACTIVE OPEN SPACE
	PASSIVE OPEN SPACE

PARKING:	MIN. REQUIRED: (2.5 SPACES/1,000 SF) $\times 700 \text{ SF}$ $= 2.5 \text{ SPACES}$ MAX. ALLOWED: (10 SPACES/1,000 SF) $\times 700 \text{ SF}$ $= 7 \text{ SPACES}$ PROVIDED: 7 SPACES
ACCESSIBLE PARKING:	REQUIRED: 1 SPACE PROVIDED: 1 SPACE
LOADING SPACES:	REQUIRED: 1 SPACE PROVIDED: 1 SPACE
BICYCLE PARKING:	MIN. REQUIRED: (1 SPACE/5,000 SF) $\times 7,000 \text{ SF}$ $= 1 \text{ SPACES}$ PROVIDED: 2 SPACES
OPEN SPACE:	REQUIRED: TOTAL REQUIRED: $0.70 \text{ AC} \times 5\% = 0.035 \text{ AC} (1,525 \text{ SF})$ ACTIVE OPEN SPACE REQUIRED: $0.035 \text{ AC} \times 50\% = 0.018 \text{ AC} (784 \text{ SF})$ PROVIDED: ACTIVE OPEN SPACE PROVIDED: $0.031 \text{ AC} (1,358 \text{ SF})$ PASSIVE OPEN SPACE PROVIDED: $0.050 \text{ AC} (2,192 \text{ SF})$ TOTAL OPEN SPACE PROVIDED: $0.081 \text{ AC} (3,550 \text{ SF})$

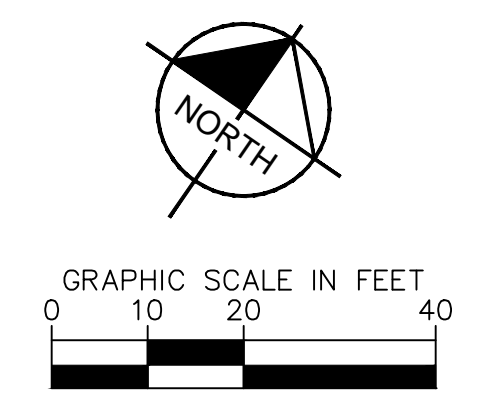
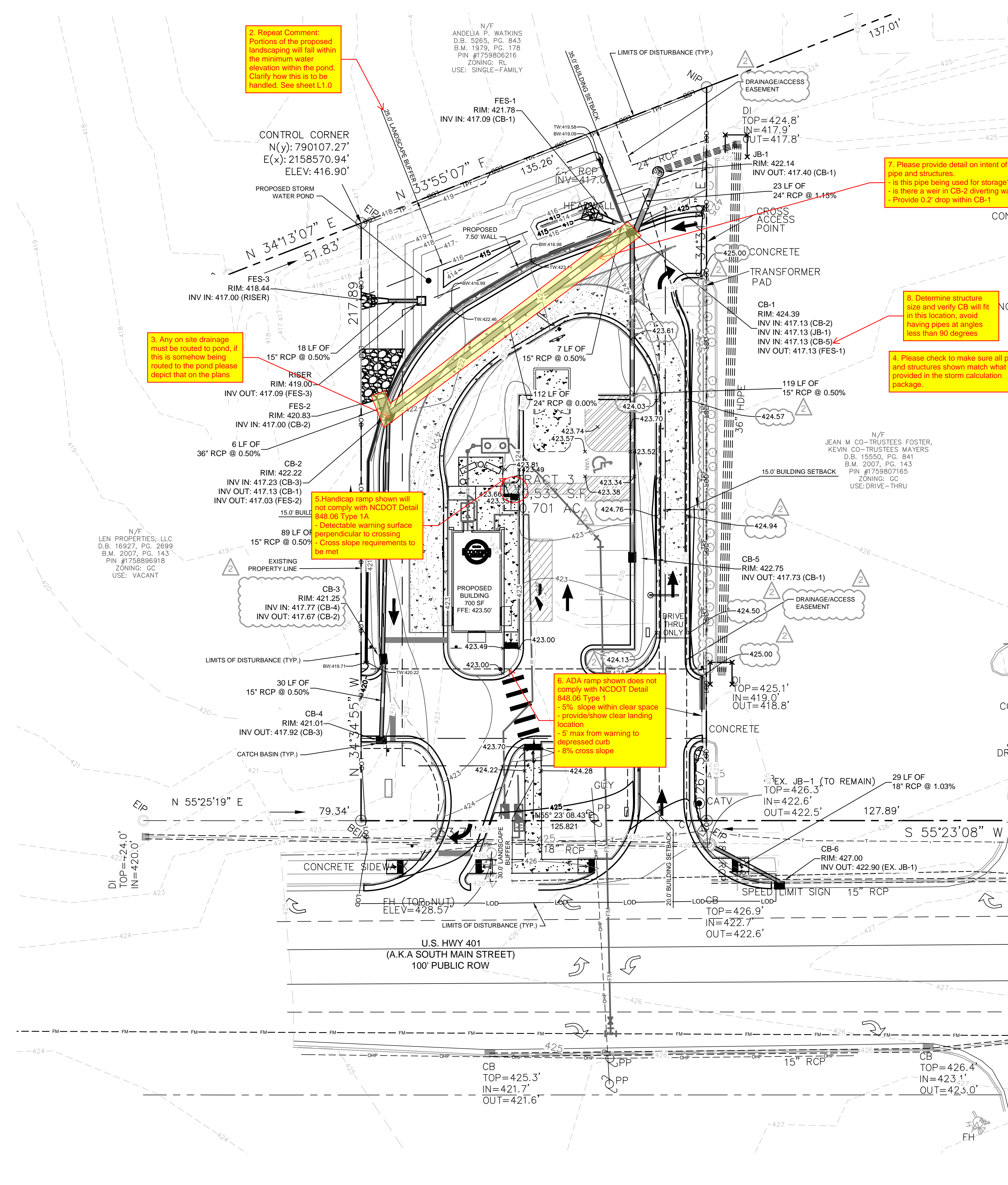
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	KHA PROJECT 016485000 DATE 10/31/2023 SCALE AS SHOWN DESIGNED BY JAA DRAWN BY JAA CHECKED BY COB
	SITE PLAN
	SCOOTER'S ROLESVILLE PREPARED FOR S&S JAVA ENTERPRISES ROLESVILLE, NC
SHEET NUMBER <span style="font-size: 1.5em;">C2.0</span>	



SDP-23-09

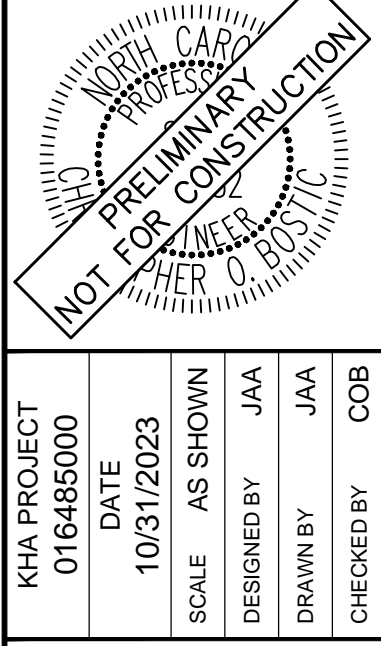
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	PROPERTY LINE
	TEMPORARY CONSTRUCTION EASEMENT
	STORM DRAIN (≥ 12 INCH)
	STORM DRAIN (< 12 INCH)
	ROOF DRAIN
	UNDER DRAIN
	CURB AND GUTTER
	SPILL CURB AND GUTTER
	CLEARING LIMITS
	EXISTING CONTOUR
	PROPOSED CONTOUR
	SPOT ELEVATION
	CATCH BASIN (CB)
	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.)
	WATER TIGHT JOINTS (WT)

NO.	REVISIONS	DATE	BY
1	TOWN COMMENTS	03/01/2024	JAA
2	TOWN COMMENTS	01/02/2024	IMDE

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KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
016485000	10/31/2023	AS SHOWN	JAA	JAA	COB

**SCOOTER'S ROLESVILLE**  
 PREPARED FOR  
**S&S JAVA ENTERPRISES**  
 ROLESVILLE, NC

SHEET NUMBER  
**C3.0**

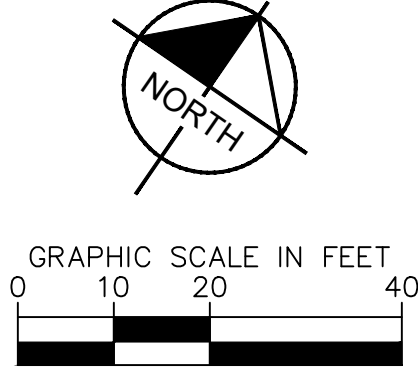
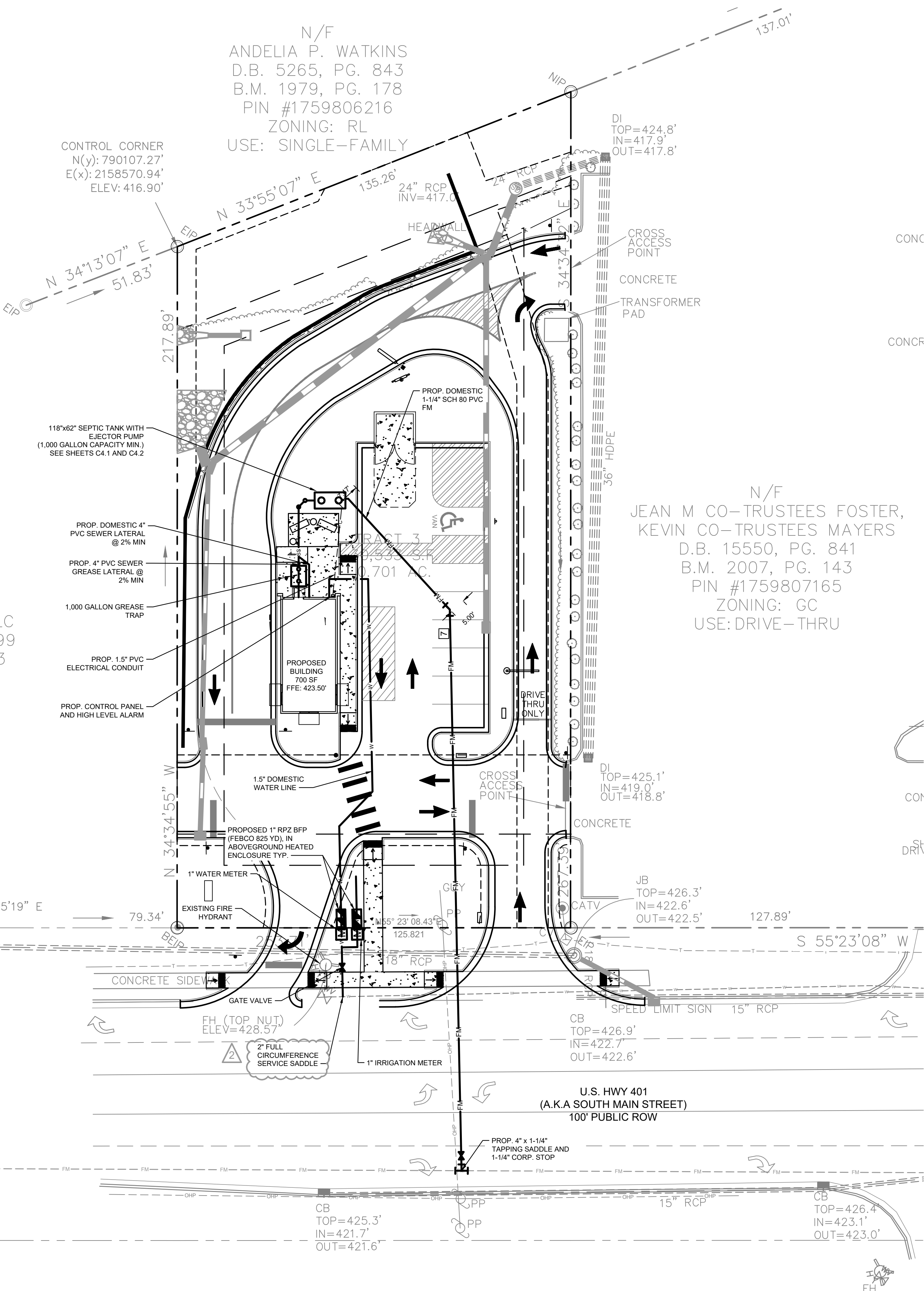
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SDP-23-09

STANDARD UTILITY NOTES

- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS & SPECIFICATIONS
- UTILITY SEPARATION REQUIREMENTS:
  - 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.
  - 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.
  - WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATER MAIN, DIP MATERIALS OR STEEL ENCASUREMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
  - 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.
  - 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.
  - 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 NCDWQ, 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-B 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.
- 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.



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
TV	CABLE
□	LIGHT POLE
M	WATER METER
X	GATE VALVE
S	POINT OF CONNECTION
▲	BACKFLOW PREVENTOR
└─┘	PIPE TEE/BENDS
○	REDUCER
⊕	FIRE HYDRANT (FH)
⊕	FIRE DEPARTMENT CONNECTION (FDC)
⊕	SANITARY SEWER CLEANOUT (SSCO)
⊕	SANITARY SEWER MANHOLE (SSMH)
⊕	SANITARY SEWER GREASE TRAP

**SITE PERMITTING APPROVAL**

**Water and Sewer Permits (if applicable)**

The City of Raleigh consents to the connection and extension of the City's Public Sewer System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # \_\_\_\_\_

The City of Raleigh consents to the connection and extension of the City's Public Water System as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # \_\_\_\_\_

The City of Raleigh consents to the connection to its public sewer system and extension of the private sewer collection system as shown on this plan. The material and construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities Department Permit # \_\_\_\_\_

**CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION**

Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with the City. This electronic approval may not be edited once issued. Any modification to this approval once issued will invalidate this approval.

City of Raleigh Development Approval \_\_\_\_\_

Raleigh Water Review Officer \_\_\_\_\_

**SURVEY NOTE:**  
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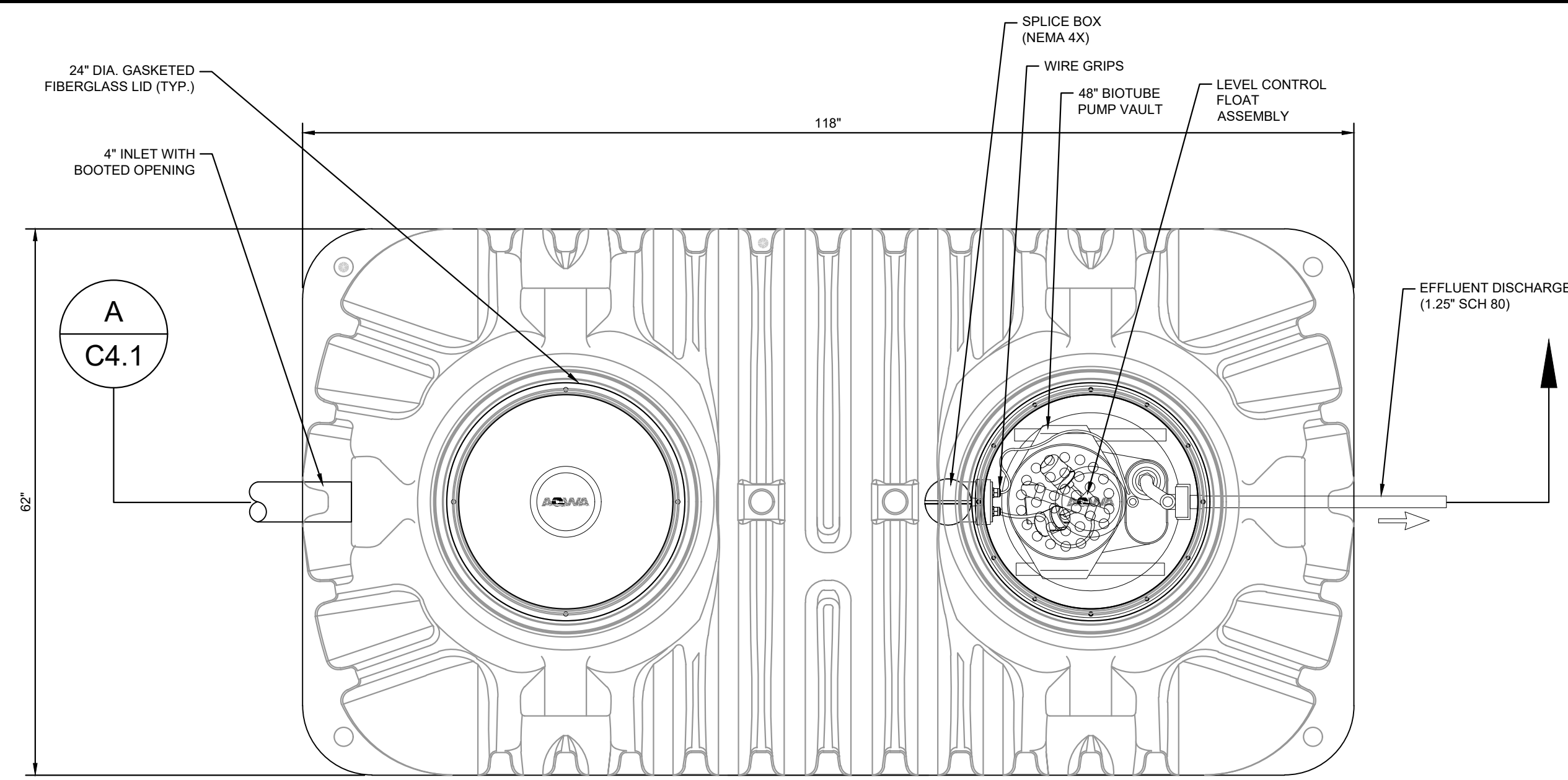
Plotted By: Barnes, Michael. Sheet: Scooter's Rolesville Layout: C4.0 UTILITY PLAN. March 01, 2024. 06:01:37pm. K:\RAL\LEVELO16485000-Scooter's Rolesville\Planning\19\_CAD Files\PlanSheets\C4.0 UTILITY PLAN.dwg  
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	TOWN COMMENTS 03/01/2024 JAA 01/02/2024 IMDE	REVISIONS No.	DATE
	# © 2023 KIMLEY-HORN AND ASSOCIATES, INC. #F-0102 WWW.KIMLEY-HORN.COM PHONE: 919.677.2000 FAX: 919.677.2050 421 FAYETTEVILLE STREET, SUITE 800, RALEIGH, NC 27601	UTILITY PLAN	
KHA PROJECT 016485000	DATE 10/31/2023	SCALE AS SHOWN	DESIGNED BY JAA
			DRAWN BY JAA
			CHECKED BY COB
SCOOTER'S ROLESVILLE PREPARED FOR S&S JAVA ENTERPRISES	SHEET NUMBER C4.0		



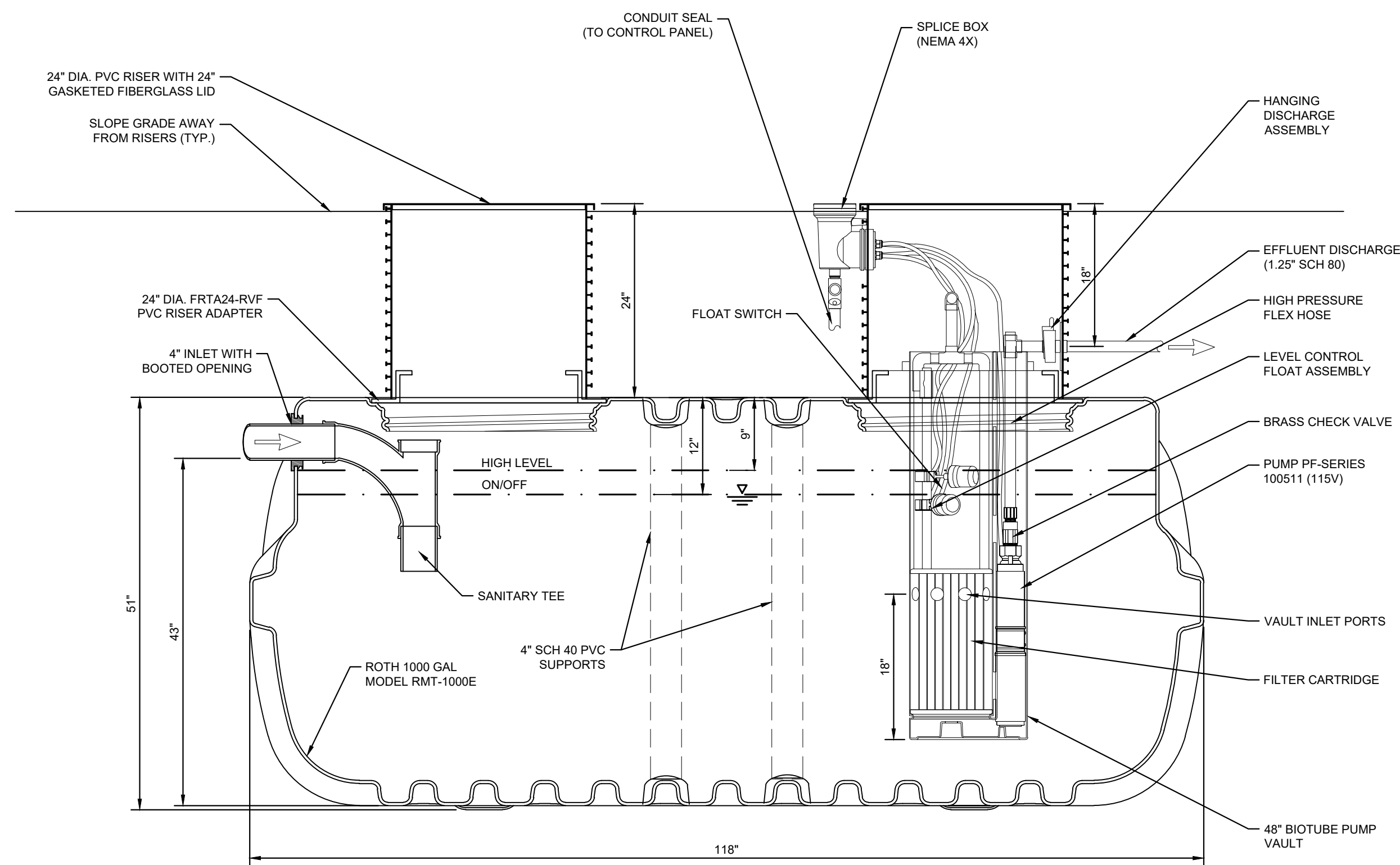
SDP-23-09

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**1 MECHANICAL PLAN VIEW**

SCALE: NTS



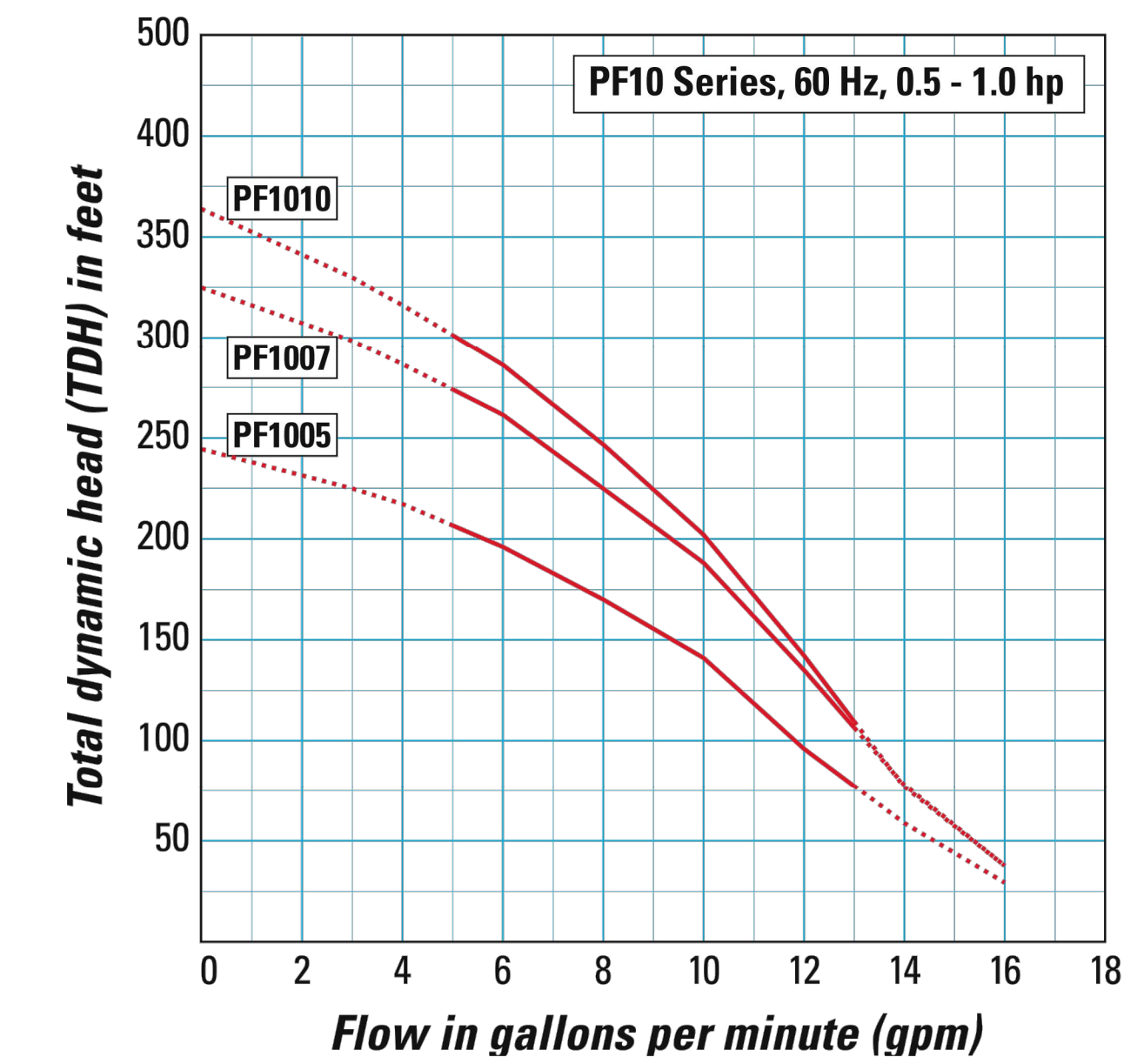
**A MECHANICAL SECTION VIEW**

SCALE: NTS

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

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

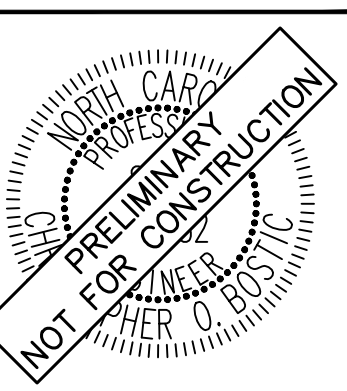
**Pump Curves**



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No.	REVISIONS	DATE	BY
1	TOWN COMMENTS	03/01/2024	JAA
2	TOWN COMMENTS	01/02/2024	IMDB

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KHA PROJECT	016485000
DATE	10/31/2023
SCALE	AS SHOWN
DESIGNED BY	JAA
DRAWN BY	JAA
CHECKED BY	COB

**MECHANICAL PLAN**

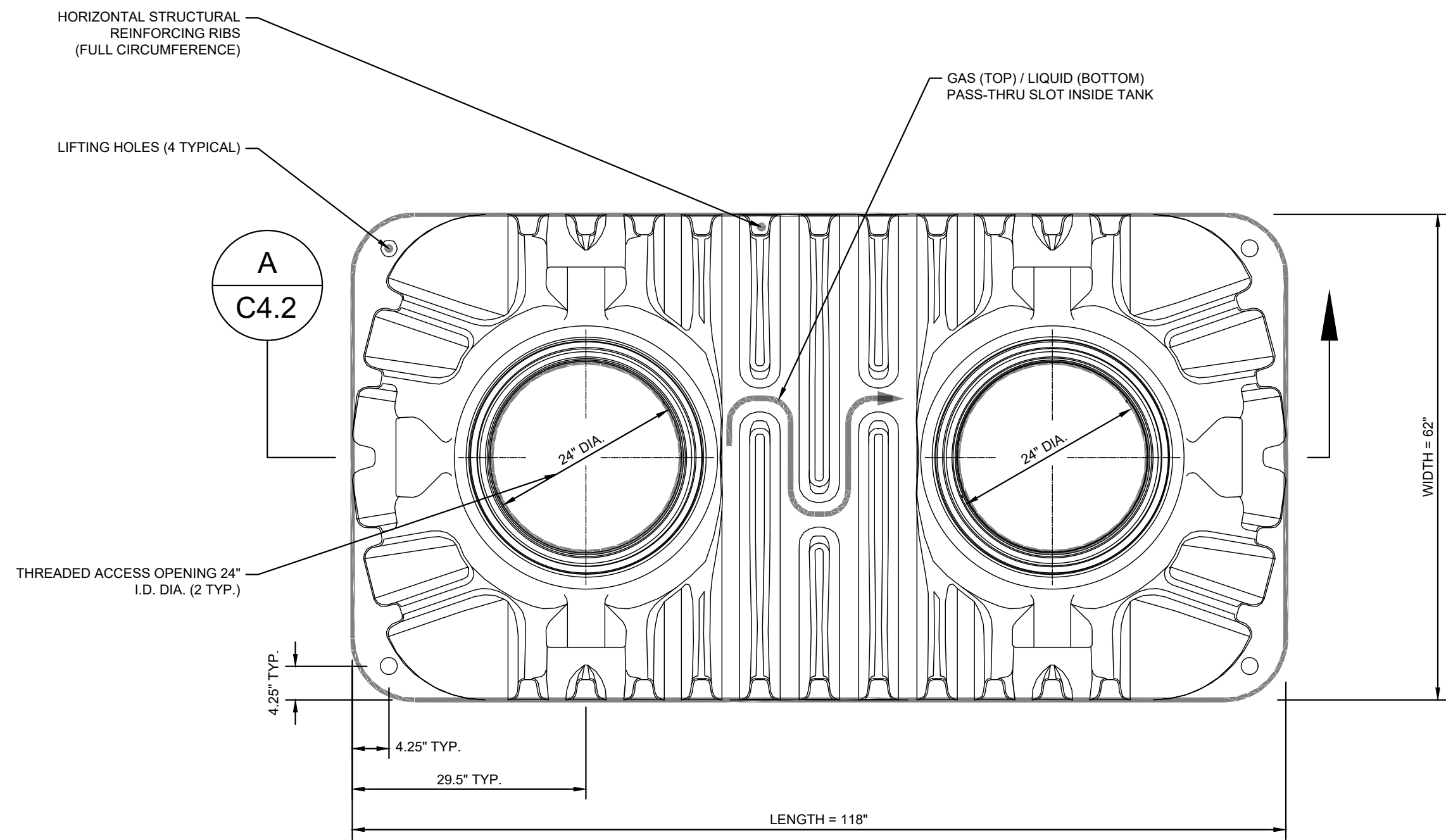
**SCOOTER'S ROLESVILLE**  
 PREPARED FOR  
**S&S JAVA ENTERPRISES**  
 ROLESVILLE, NC



SDP-23-09

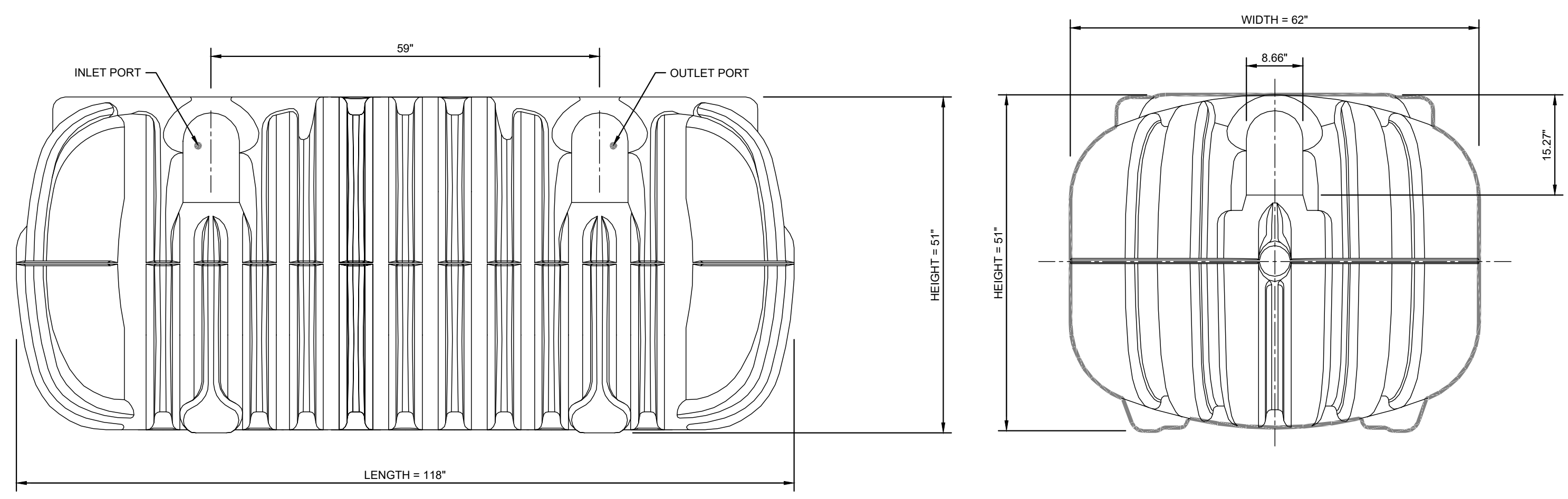
SHEET NUMBER  
**C4.1**

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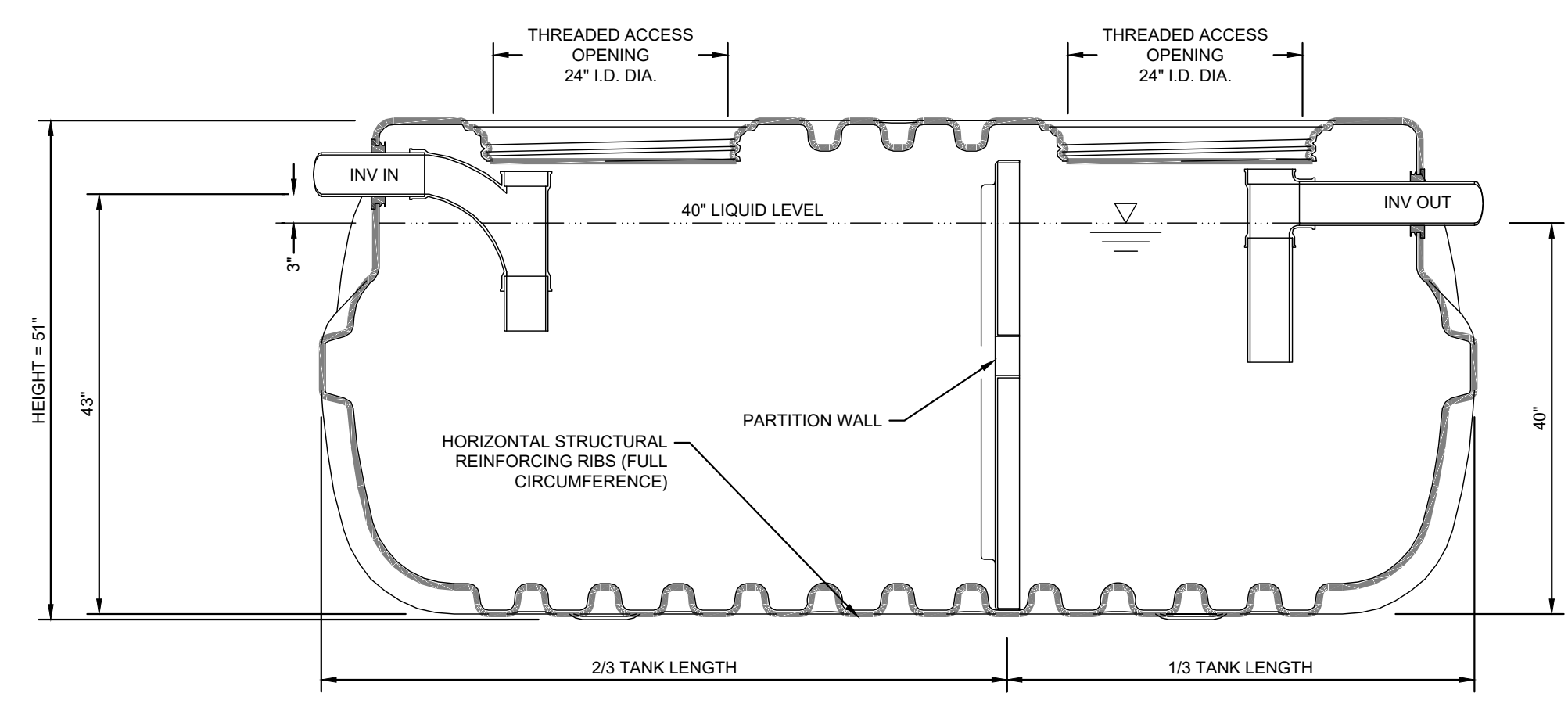
**1** SEPTIC TANK PLAN VIEW

SCALE: NTS



**2** SEPTIC TANK ELEVATION VIEW

SCALE: NTS



**A** SEPTIC TANK SECTION VIEW

SCALE: NTS

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SDP-23-09

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2	TOWN COMMENTS	JAA	03/01/2024	JAA	
1	TOWN COMMENTS	JAA	01/02/2024	JAA	
No.	REVISIONS				DATE
<b>SCOOTER'S ROLESVILLE</b> PREPARED FOR <b>S&amp;S JAVA ENTERPRISES</b> ROLESVILLE NC		KHA PROJECT 016485000		DATE 10/31/2023	
		SCALE AS SHOWN		DESIGNED BY JAA	
		CHECKED BY COB			
SHEET NUMBER <b>C4.2</b>		SEPTIC TANK DETAILS			



Plotted By: Barnes, Michael. Sheet: Scooter's Rolesville Layout.C5.0 EROSION CONTROL PLAN - PHASE 1. March 01, 2024. 05:20:47pm. K:\BIBAL\_LDE\016485000-Scooter's Rolesville\Planning\P15\_CAD Files\PlanSheets\C5.0 EROSION CONTROL PLAN.dwg  
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**SELF MONITORING AND INSPECTION NOTIFICATION**

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS BECAME EFFECTIVE OCTOBER 1, 2010. TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, A COMBINED FORM IS NOW AVAILABLE. THE NEW FORM WAS DEVELOPED TO SATISFY THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL ACT AND THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES, NCDENR 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, NCS 010000. THE COMBINED FORM SHOULD MAKE IT EASIER TO COMPLY WITH SELF-INSPECTION REQUIREMENTS. THE COMBINED SELF-MONITORING FORM IS AVAILABLE AS A PDF AND WORD DOCUMENT FROM THE LAND QUALITY WEB SITE, [HTTP://PORTAL.NCDENR.ORG/WEB/NCDENR/EROSION](http://portal.ncdenr.org/web/ncdenr/erosion) IF YOU HAVE QUESTIONS, PLEASE CONTACT THE LAND QUALITY SECTION AT NCDENR 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.

N/F  
 LEN PROPERTIES, LLC  
 D.B. 16927, PG. 2699  
 B.M. 2007, PG. 143  
 PIN #1758896918  
 ZONING: GC  
 USE: VACANT

N/F  
 ANDELIA P. WATKINS  
 D.B. 5265, PG. 843  
 B.M. 1979, PG. 178  
 PIN #1759806216  
 ZONING: RL  
 USE: SINGLE-FAMILY

N/F  
 JEAN M CO-TRUSTEES FOSTER,  
 KEVIN CO-TRUSTEES MAYERS  
 D.B. 15550, PG. 841  
 B.M. 2007, PG. 143  
 PIN #1759807165  
 ZONING: GC  
 USE: DRIVE-THRU

**NPDES GROUND COVER REQUIREMENTS**

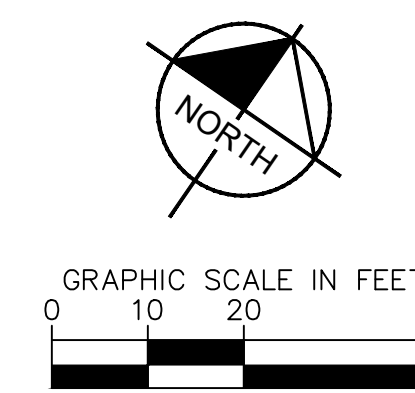
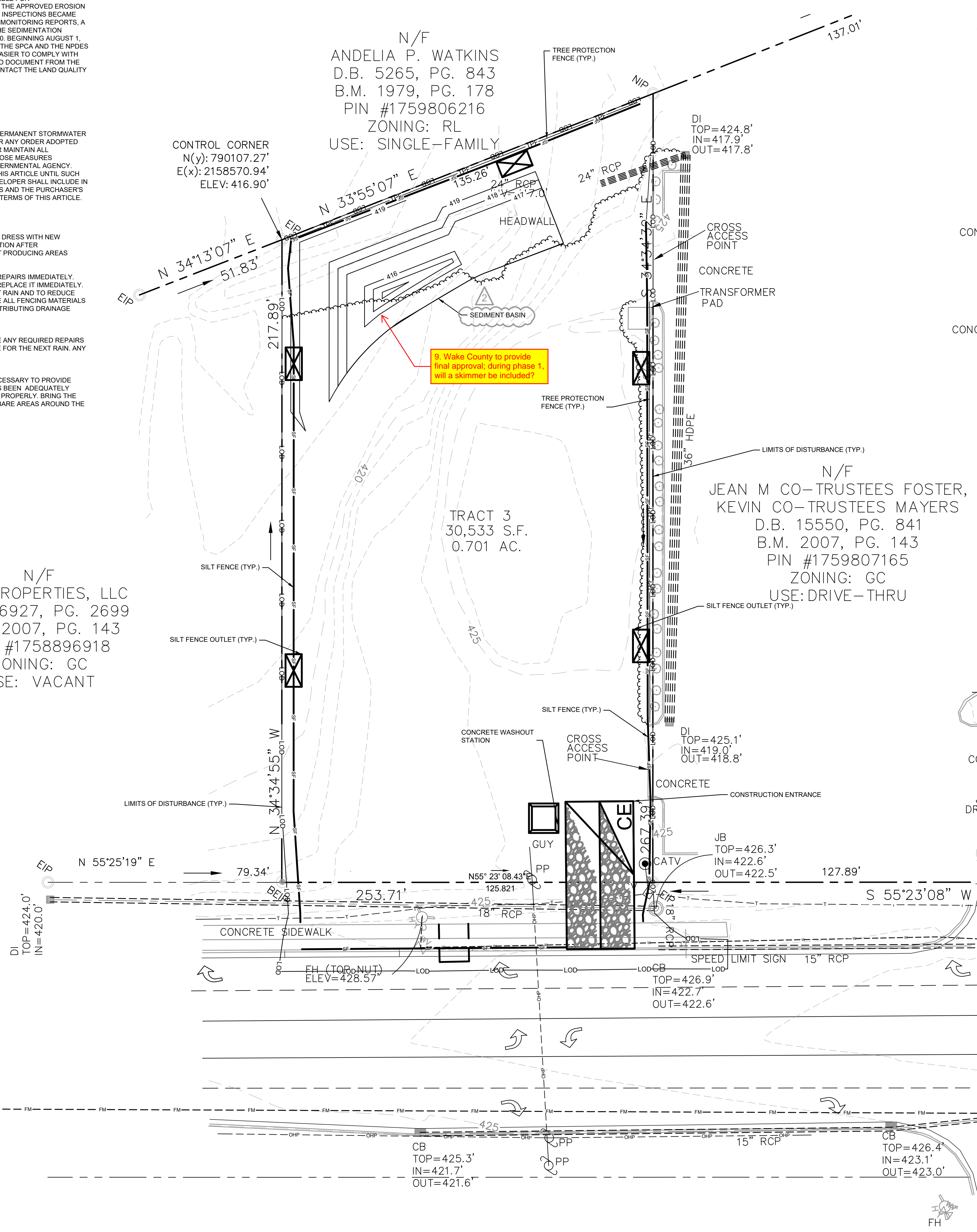
SITE AREA DESCRIPTION	STABILIZATION	TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	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: 0.77 AC**



**EROSION CONTROL LEGEND**

---	PROPERTY LINE
-TCE-	TEMPORARY CONSTRUCTION EASEMENT
-CL-	CLEARING LIMITS
-SF-	SILT FENCE
-TPF-	TREE PROTECTION FENCE
-SF/TPF-	COMBINATION TREE PROTECTION/SILT FENCE
→ TD → 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
□	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 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 NCDENR eNOI ON NCDENR 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 DENUBED 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 NCDENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, U.S. DEPARTMENT OF AGRICULTURE, AND TOWN OF CARY EROSION CONTROL ORDINANCE.
  - REFER TO SHEET C0.1 - GENERAL NOTES FOR GENERAL EROSION CONTROL NOTES AND MAINTENANCE.

**LIMITS OF DISTURBANCE: 0.77 AC**

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KHA PROJECT 016485000	DATE	10/31/2023	SCALE	AS SHOWN	DESIGNED BY	JAA	DRAWN BY	JAA	CHECKED BY	COB									
	<p><b>EROSION CONTROL PLAN - PHASE 1</b></p> <p>SCOOTER'S ROLESVILLE PREPARED FOR S&amp;S JAVA ENTERPRISES</p>																		
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<p><b>Kimley-Horn</b></p>																			
<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>03/01/2024</td> <td>JAA</td> </tr> <tr> <td>2</td> <td>01/02/2024</td> <td>IMDE</td> </tr> </tbody> </table>											NO.	DATE	BY	1	03/01/2024	JAA	2	01/02/2024	IMDE
NO.	DATE	BY																	
1	03/01/2024	JAA																	
2	01/02/2024	IMDE																	
<p>SHEET NUMBER <b>C5.0</b></p>																			



Plotted By: Barnes, Michael. Sheet Set: SCOOTER'S ROLESVILLE Layout.C51. EROSION CONTROL PLAN - PHASE 2. March 01, 2024. 05:25:32pm. K:\RAL\_LDE\016485000-Scoters\Rolesville\Planning\P15\_CAD Files\PlanSheets\C51. EROSION CONTROL PLAN - PHASE 2.dwg  
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**SELF MONITORING AND INSPECTION NOTIFICATION**

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS BECAME EFFECTIVE OCTOBER 1, 2010. TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, A COMBINED FORM IS NOW AVAILABLE. THE NEW FORM WAS DEVELOPED TO SATISFY THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL ACT AND THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES, NCGS 01000, 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, NCGS 01000. THE COMBINED FORM SHOULD MAKE IT EASIER TO COMPLY WITH SELF-INSPECTION REQUIREMENTS. THE COMBINED SELF-MONITORING FORM IS AVAILABLE AS A PDF AND WORD DOCUMENT FROM THE LAND QUALITY WEB SITE, [HTTP://PORTAL.NCDENR.ORG/WEB/EROSION](http://portal.ncdenr.org/web/EROSION) IF YOU HAVE QUESTIONS, PLEASE CONTACT THE LAND QUALITY SECTION AT NCDENR 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**

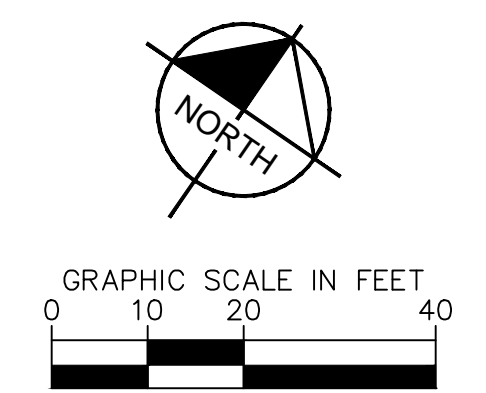
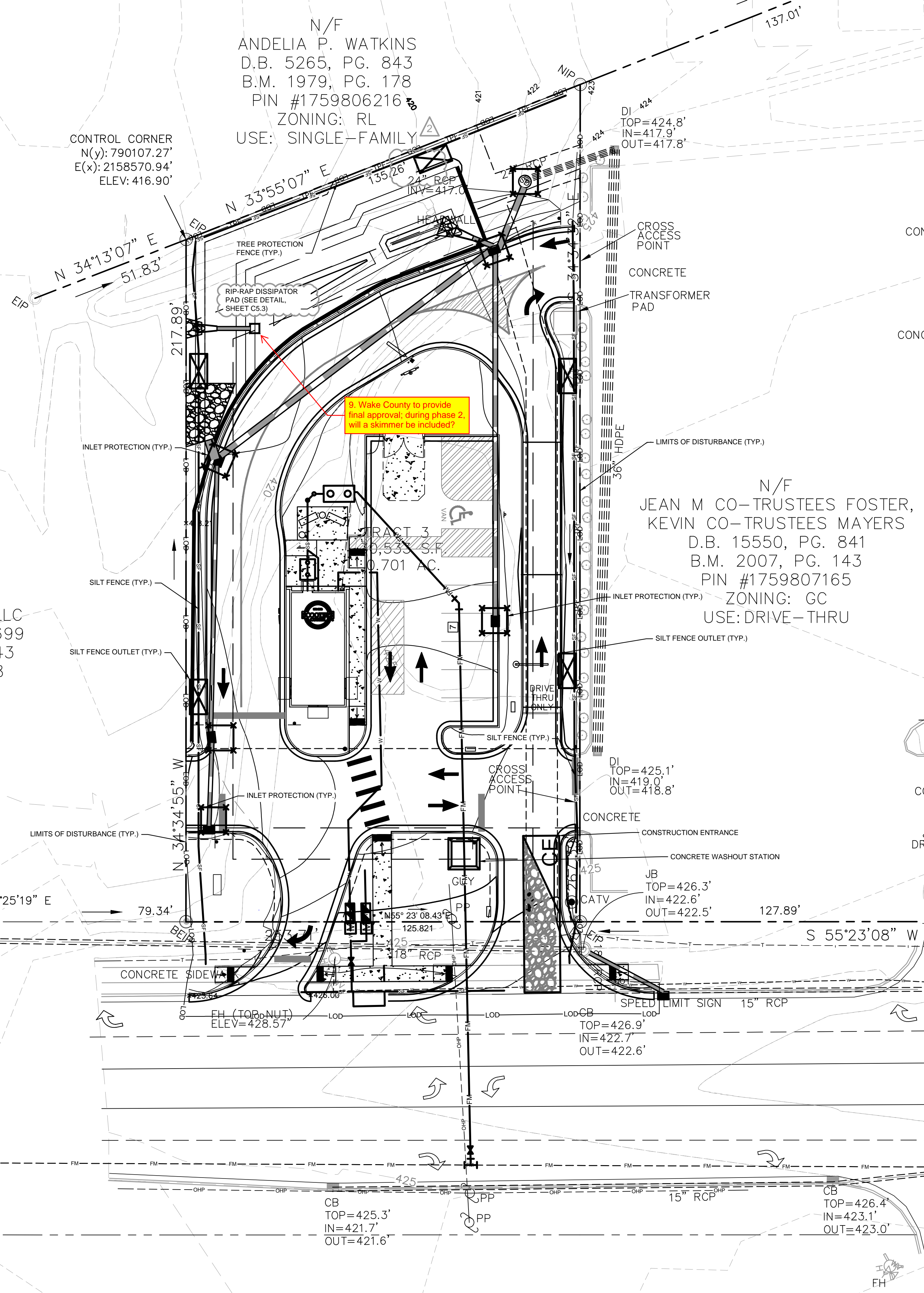
SITE AREA DESCRIPTION	STABILIZATION	TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	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 HOW 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. 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: 0.77 AC**



**EROSION CONTROL LEGEND**

---	PROPERTY LINE
---	TEMPORARY CONSTRUCTION EASEMENT
---	CLEARING LIMITS
---	SILT FENCE
---	TREE PROTECTION FENCE
---	COMBINATION TREE PROTECTION / SILT FENCE
→ TD → TD	TEMPORARY DIVERSION DITCH
→ TD(CW) →	CLEAN WATER DIVERSION DITCH
---	SEDIMENT BASIN POROUS Baffles
---	PUMP DISCHARGE HOSE
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
---	DRAINAGE AREA BOUNDARY
---	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 DENUDED 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 NCDENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, U.S. DEPARTMENT OF AGRICULTURE, AND CITY OF GREENVILLE 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.

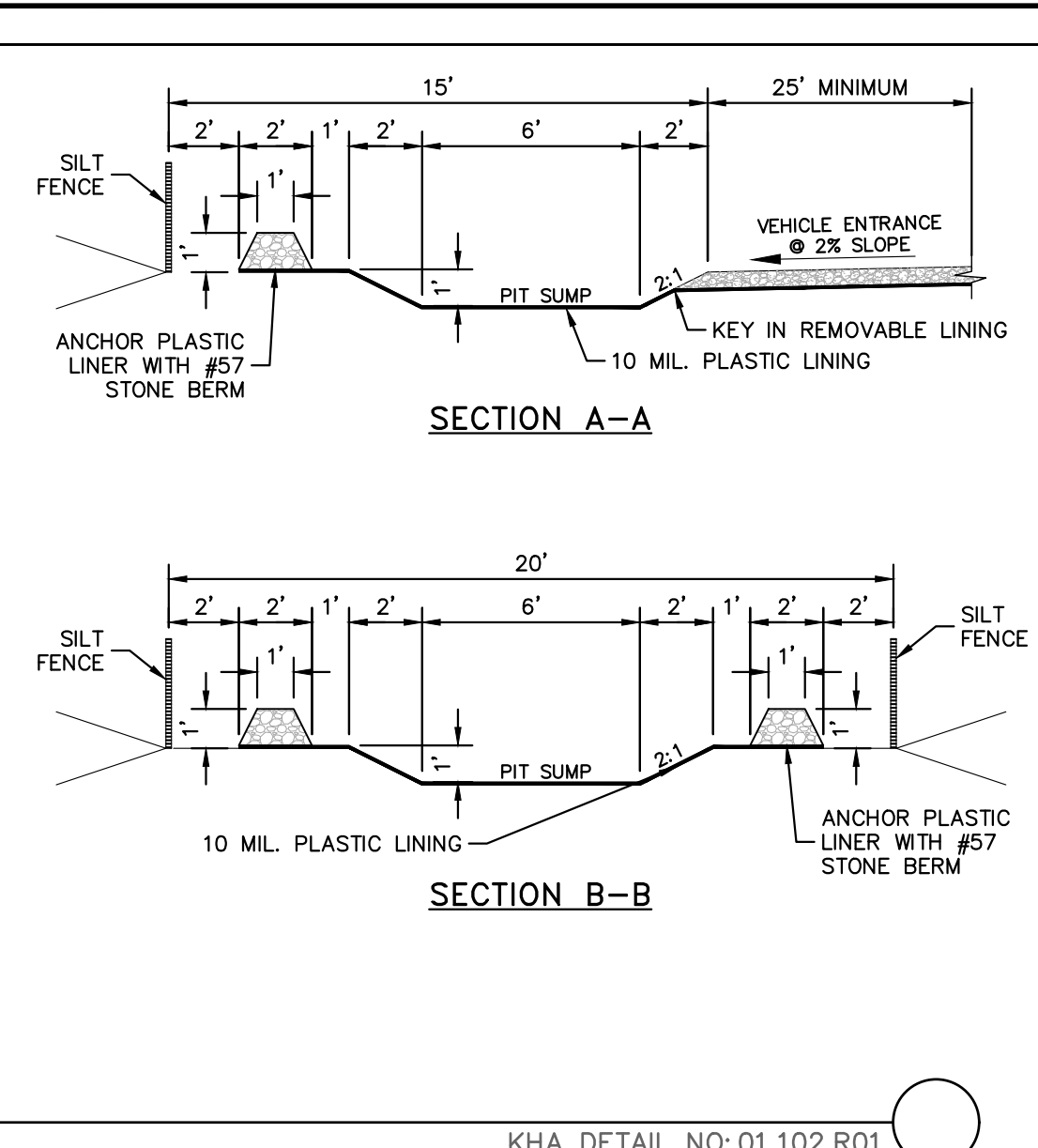
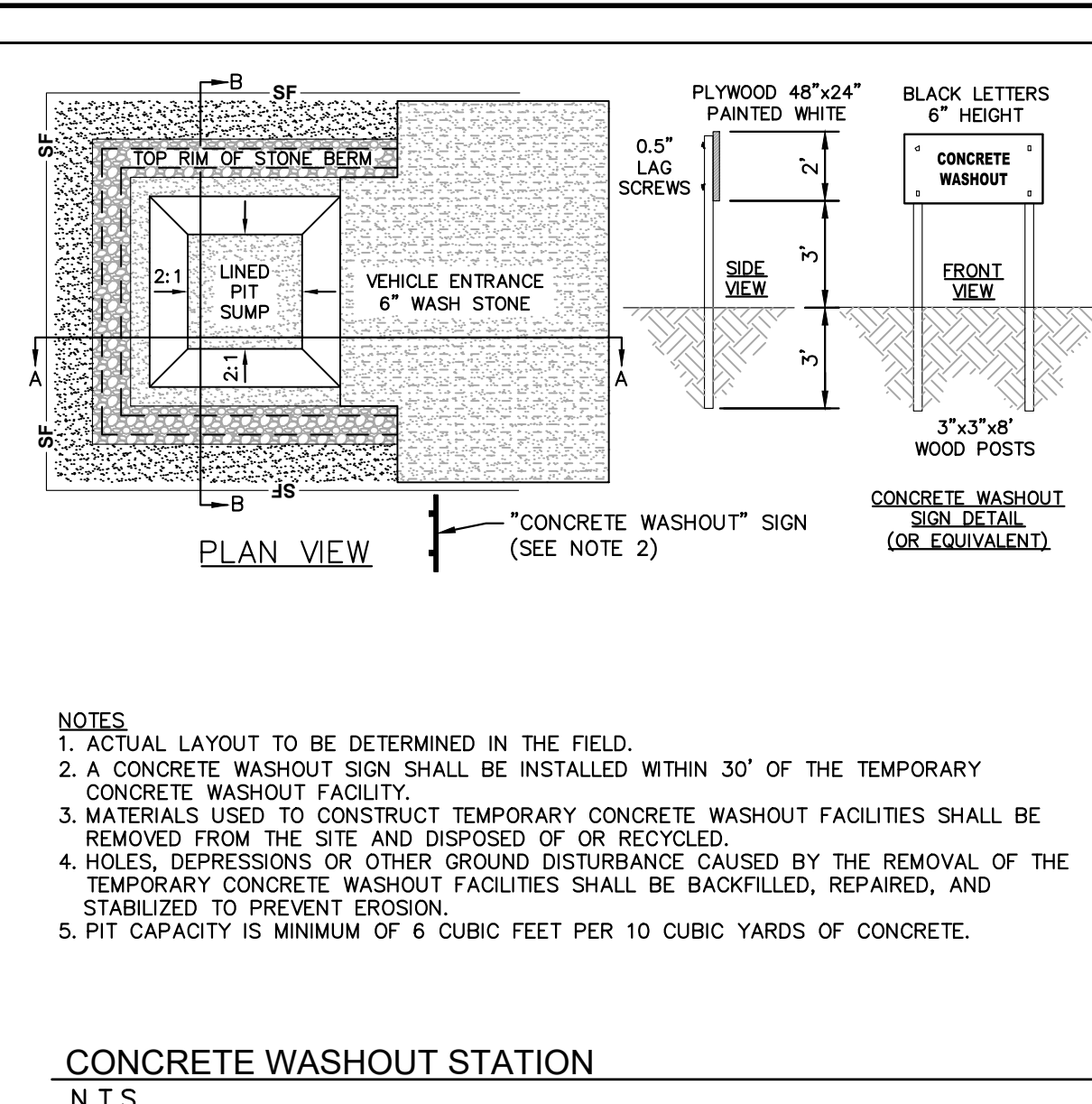
**LIMITS OF DISTURBANCE: 0.77 AC**

**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, DEFICIT OR NOT, PRIOR TO CONSTRUCTION AND REPORT POTENTIAL CONFLICTS TO OWNER AND ENGINEER.

KHA PROJECT 016485000	DATE 10/31/2023	SCALE AS SHOWN	DESIGNED BY JAA	DRAWN BY JAA	CHECKED BY COB
	<p><b>EROSION CONTROL PLAN - PHASE 2</b></p> <p>SCOOTER'S ROLESVILLE PREPARED FOR S&amp;S JAVA ENTERPRISES ROLESVILLE NC</p>				
<p><b>Kimley-Horn</b></p> <p>© 2023 KIMLEY-HORN AND ASSOCIATES, INC.          #F-0102 WWW.KIMLEY-HORN.COM PHONE: 919-677-2000 FAX: 919-677-2050          421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601</p>					
<p><b>NOT FOR CONSTRUCTION</b></p>					
<p>TOWN COMMENTS: 03/01/2024, JAA</p> <p>REVISIONS: 01/02/2024, IMDB</p>					
<p>DATE: _____ BY: _____</p>					



Plotted By: Barnes, Michael. Sheet Set: SCOOTER'S ROLESVILLE. Layout: CS.2 EROSION CONTROL DETAILS. March 01, 2024. 05:02:14pm. K:\RAL\_LDEV\016485000-Scooter's Rolesville\Planning\15\_CAD Files\PlanSheets\CS.2 EROSION CONTROL DETAILS.dwg  
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DATE	TYPE	PLANTING RATE	REGION
JAN. 1 - MAY 1	RYE (GRAIN)	120 LBS/ACRE	PIEDMONT
JAN. 1 - MAY 1	ANNUAL LESPEDEZA (KOBE)	50 LBS/ACRE	PIEDMONT
MAY 1 - AUG. 15	GERMAN MILLET	40 LBS/ACRE	PIEDMONT
MAY 1 - AUG. 15	SMALL-STEMMED SUDANGRASS	50 LBS/ACRE	PIEDMONT
AUG. 15 - DEC. 30	RYE (GRAIN)	120 LBS/ACRE	PIEDMONT
DEC. 1 - APR. 15	RYE (GRAIN)	120 LBS/ACRE	COASTAL PLAIN
DEC. 1 - APR. 15	ANNUAL LESPEDEZA (KOBE)	50 LBS/ACRE	COASTAL PLAIN
APR. 15 - AUG. 15	GERMAN MILLET	40 LBS/ACRE	COASTAL PLAIN
AUG. 15 - DEC. 30	RYE (GRAIN)	120 LBS/ACRE	COASTAL PLAIN
FEB. 15 - MAY 15	RYE (GRAIN)	120 LBS/ACRE	MOUNTAINS - ABOVE 2500 FEET
FEB. 1 - MAY 1	RYE (GRAIN)	120 LBS/ACRE	MOUNTAINS - ABOVE 2500 FEET
FEB. 15 - MAY 15	ANNUAL LESPEDEZA (KOREAN)	50 LBS/ACRE	MOUNTAINS - ABOVE 2500 FEET
FEB. 1 - MAY 1	ANNUAL LESPEDEZA (KOREAN)	50 LBS/ACRE	MOUNTAINS - BELOW 2500 FEET
MAY 15 - AUG. 15	GERMAN MILLET	40 LBS/ACRE	MOUNTAINS
MAY 15 - AUG. 15	SMALL-STEMMED SUDANGRASS	50 LBS/ACRE	MOUNTAINS
AUG. 15 - DEC. 15	RYE (GRAIN)	120 LBS/ACRE	MOUNTAINS

**SEEDBED PREPARATION:**

- TILL OR DISK THE PREPARED AREAS TO BE SEED TO A MINIMUM DEPTH OF FOUR INCHES.
- REMOVE STONES LARGER THAN THREE INCHES ON ANY SIDE, STICKS, ROOTS AND OTHER EXTRANEOUS MATERIALS THAT SURFACE.
- IF NOT INCORPORATED DURING THE SOIL PREPARATION PROCESS, ADD PH MODIFIER AND FERTILIZERS AT THE RATE SPECIFIED IN THE SOIL TEST REPORT. IF THERE IS NO SOIL TEST REPORT, FOLLOW SOIL AMENDMENTS BELOW.
- RE-COMPACT THE AREA UTILIZING A CULTIPACKER ROLLER. THE FINISHED GRADE SHALL BE A SMOOTH EVEN SOIL SURFACE WITH A LOOSE, UNIFORMLY FINE TEXTURE.
- EVENLY APPLY SEED USING A CYCLONE SEEDER (BROADCAST), DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. SMALL GRAINS SHOULD BE PLANTED NO MORE THAN 1 INCH DEEP AND GRASSES AND LEGUMES NO MORE THAN 1/2 INCH. BROADCAST SEED MUST BE COVERED BY RAKING OR CHAIN DRAGGING, AND THEN LIGHTLY FIRMED WITH A ROLLER OR CULTIPACKER. HYDROSEEDING MIXTURES SHOULD INCLUDE A WOOD FIBER (CELLULOSE) MULCH.

**NOTES:**

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

**SOIL AMENDMENTS:**

LATE WINTER THROUGH SUMMER: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

FALL: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1000 LB/ACRE 10-10-10 FERTILIZER.

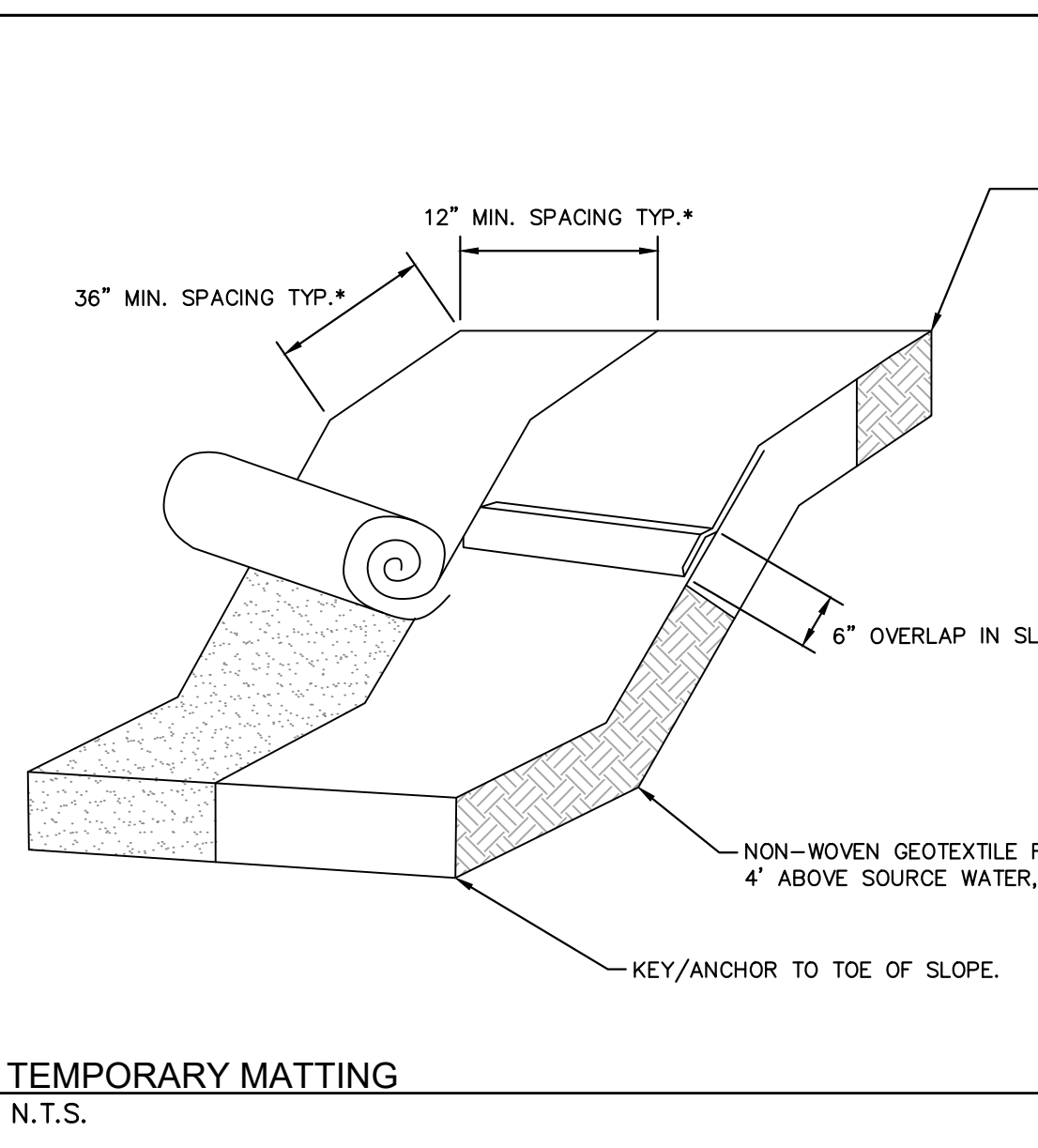
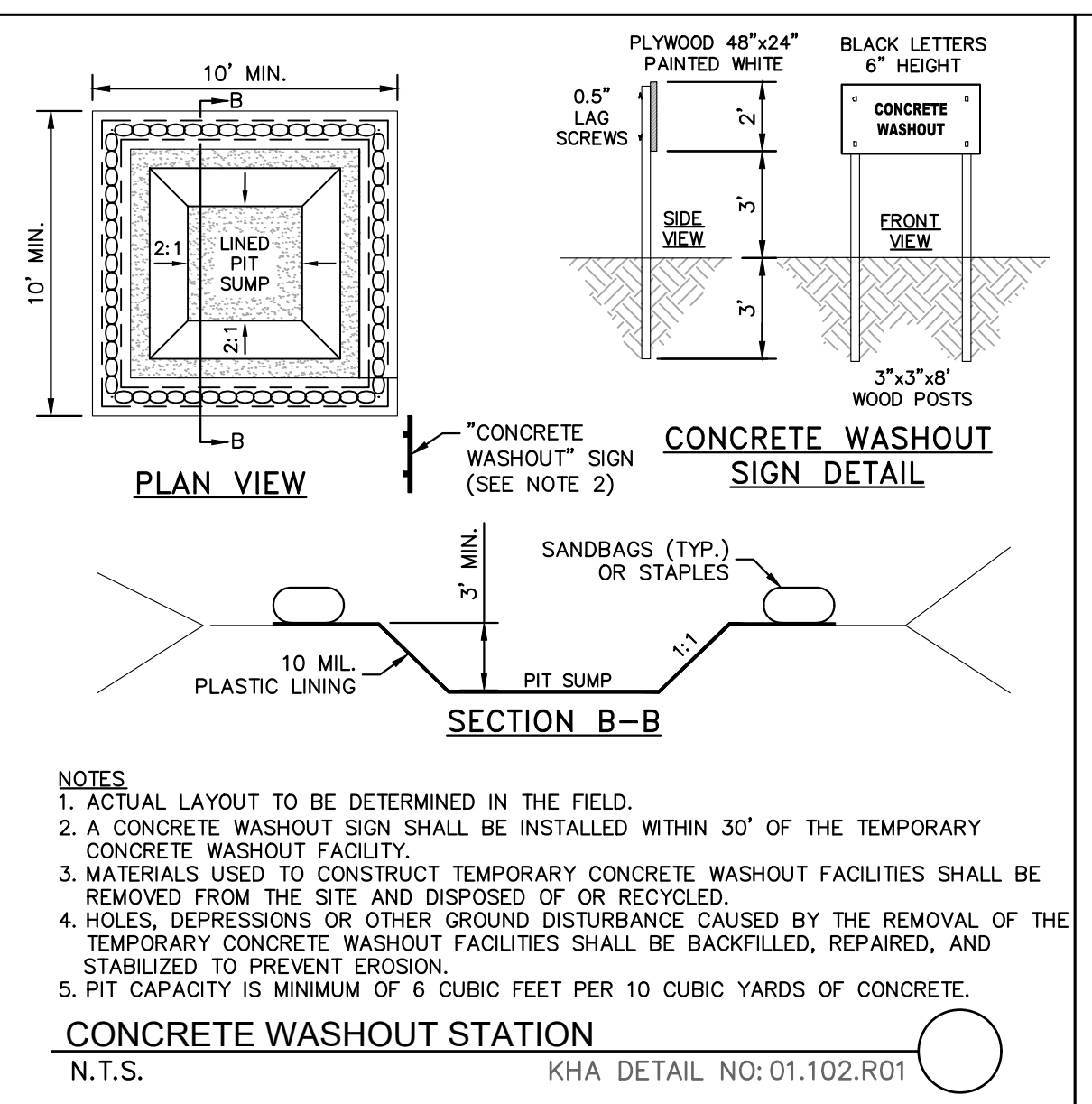
**MULCH:**

LATE WINTER THROUGH SUMMER: APPLY 4000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

**MAINTENANCE:**

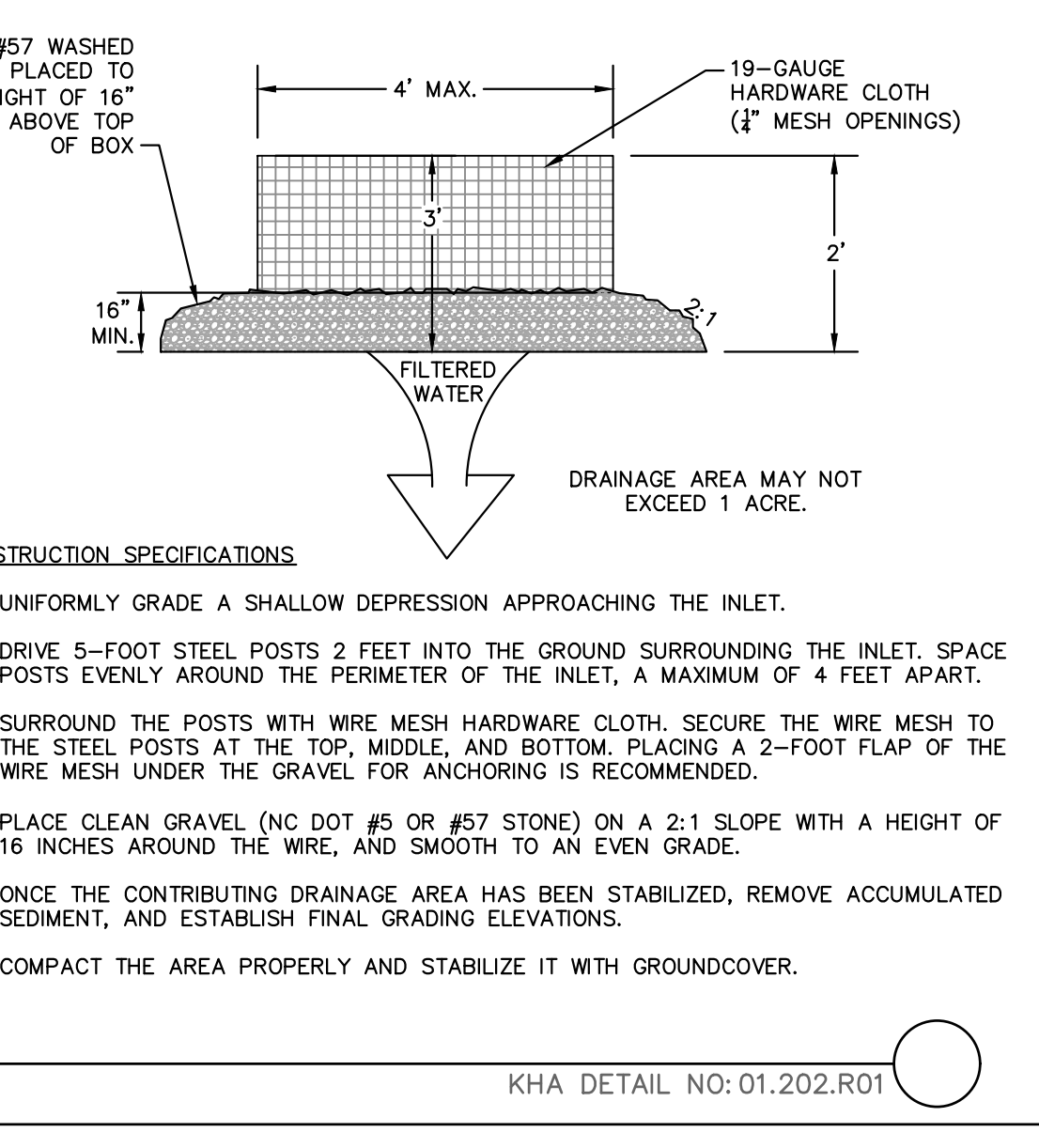
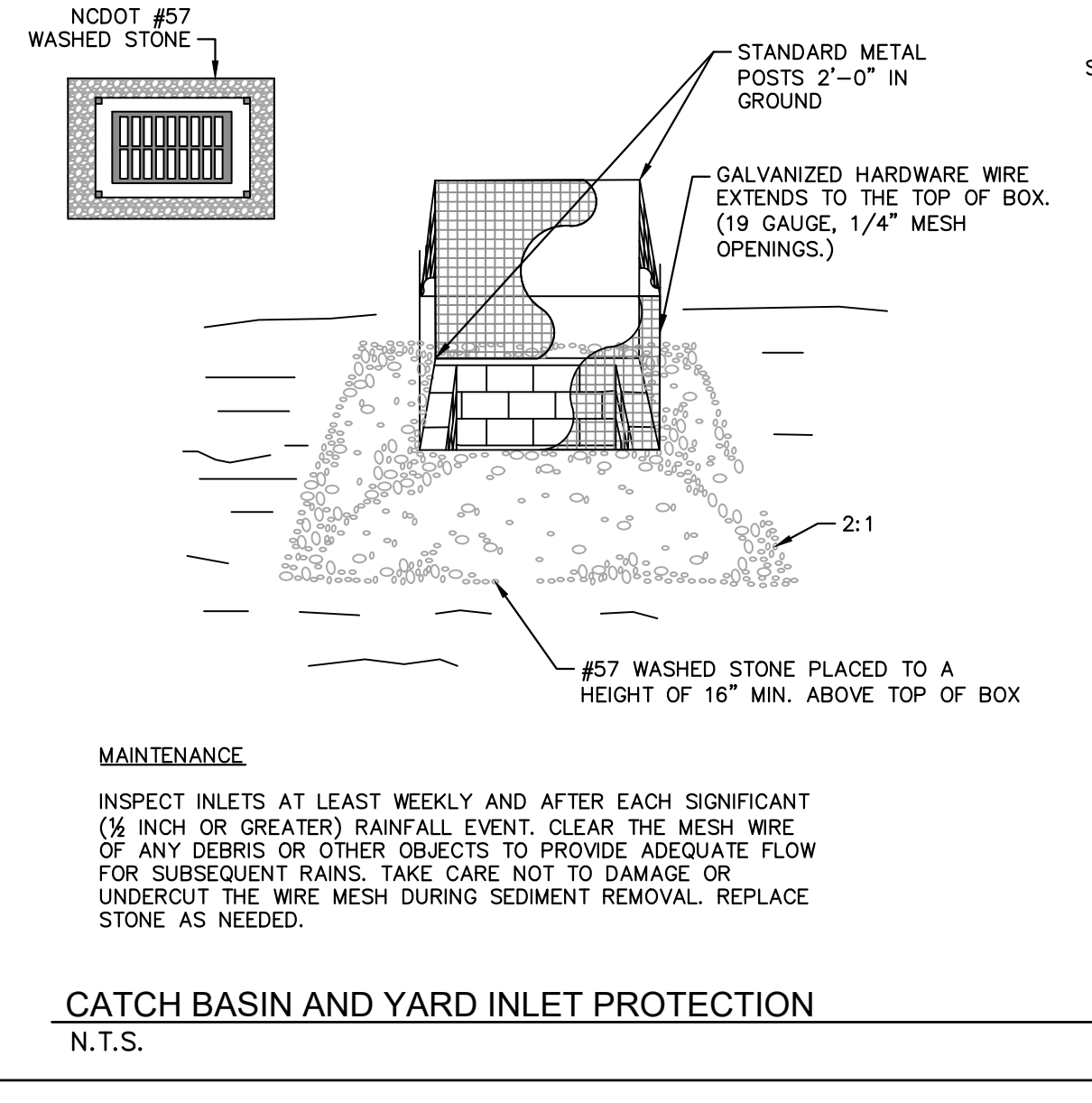
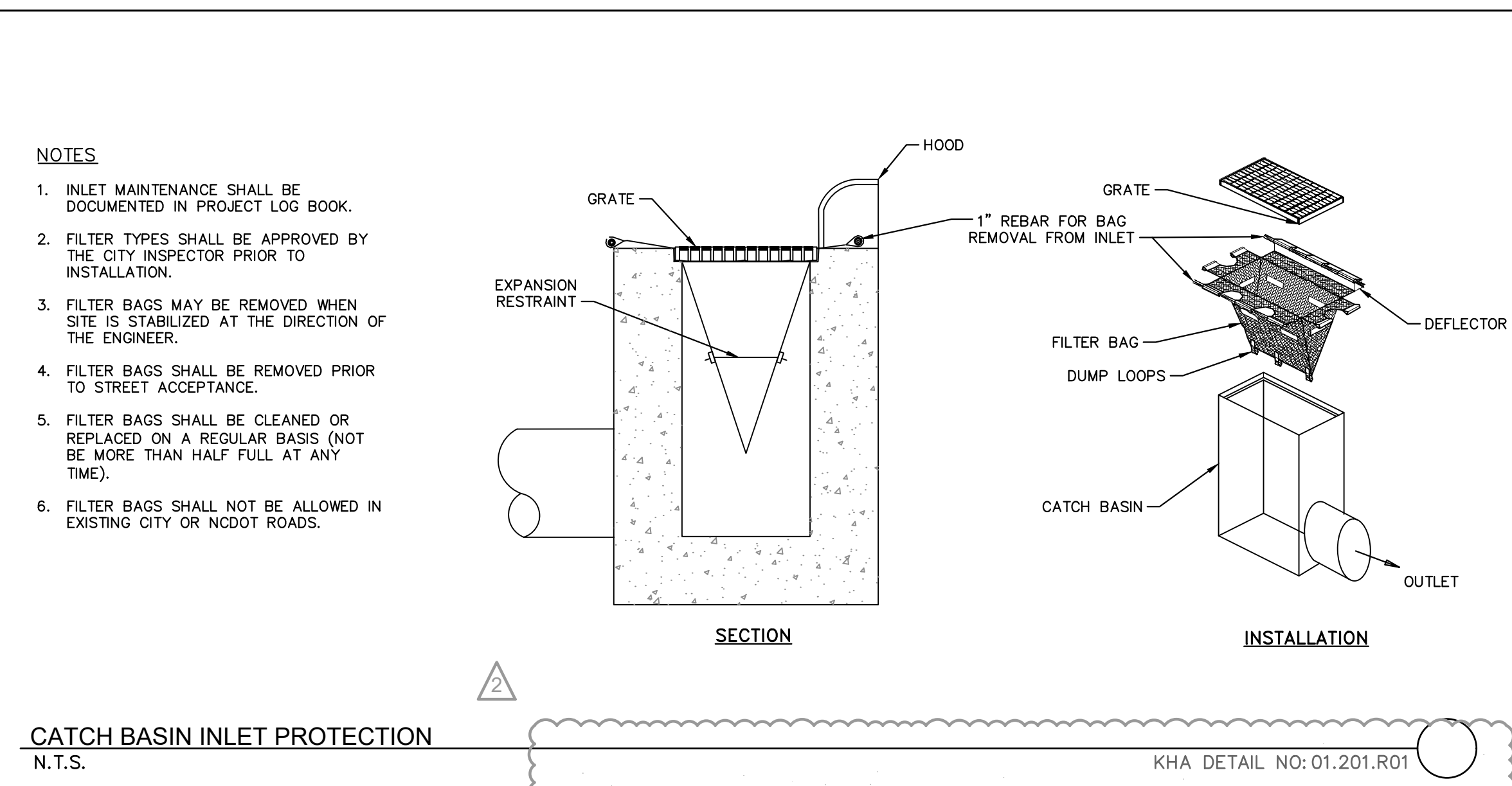
LATE WINTER THROUGH SUMMER: REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

FALL: REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.



**NOTES:**

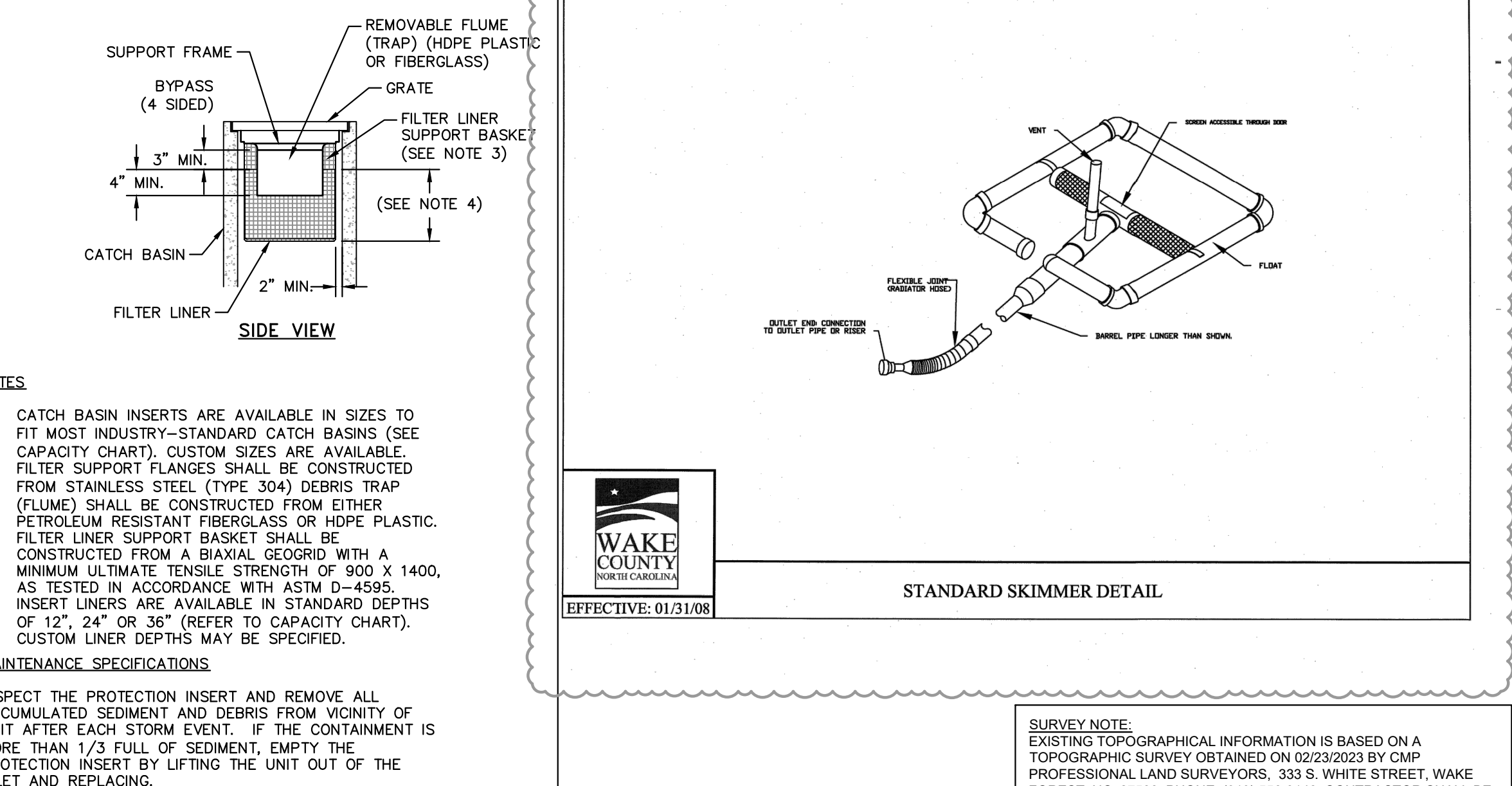
- LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
- \* DIMENSIONS SHOWN ARE MINIMUM. MANUFACTURED PRODUCTS MAY HAVE ADDITIONAL REQUIREMENTS THAT MUST BE MET.
- SLOPE SURFACE SHALL BE FREE OF ROCKS, SOIL CLODS, STICKS, GRASS. MAT/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
- THE DETAIL SHOWN IS FOR SLOPE MATTING. FOR CHANNEL OR PIPE OUTFALL MATTING SPECIFICATIONS, PLEASE REFER TO NCECPDM STANDARD #6.17 AND MANUFACTURER'S GUIDELINES.
- ALL MATTING TO BE ERONET™ S150® EROSION CONTROL BLANKET OR APPROVED EQUIVALENT.



**CAPACITY CHART**

MODEL NO.	INLET SIZE	LINER DEPTH	STORAGE CAPACITY*	CLEAN FLOW RATE**
FF-2424HC	24" x 24"	12"	1.67 CU. FT.	470 GPM
"	24" x 24"	24"	4.18 CU. FT.	914 GPM
"	24" x 24"	36"	6.69 CU. FT.	1,357 GPM
FF-2436HC	24" x 36"	12"	2.55 CU. FT.	641 GPM
"	24" x 36"	24"	6.38 CU. FT.	1,201 GPM
"	24" x 36"	36"	10.20 CU. FT.	1,761 GPM
FF-3636HC-GO	36" x 36"	12"	3.36 CU. FT.	772 GPM
"	36" x 36"	24"	8.39 CU. FT.	1,402 GPM
"	36" x 36"	36"	13.43 CU. FT.	2,032 GPM

\* STORAGE CAPACITY REFLECTS MAXIMUM SOLIDS COLLECTION PRIOR TO IMPEDING BYPASS.  
\*\* FLOW RATES ARE "CALCULATED CLEAN FLOW RATES" BASED ON LINER MATERIAL FLOW RATE OF 70 GPM/50. FT. (RECOMMEND APPLYING FACTOR OF .25 TO .50 TO FLOW RATES TO ALLOW FOR SEDIMENT AND DEBRIS)



**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

**NOT FOR CONSTRUCTION**  
 NORTH CAROLINA PRELIMINARY SHEET 01.202.R01

KHA PROJECT	016485000
DATE	10/31/2023
SCALE	AS SHOWN
DESIGNED BY	JAA
DRAWN BY	JAA
CHECKED BY	COB

**SCOOTER'S ROLESVILLE**  
 PREPARED FOR  
**S&S JAVA ENTERPRISES**  
 ROLESVILLE, NC

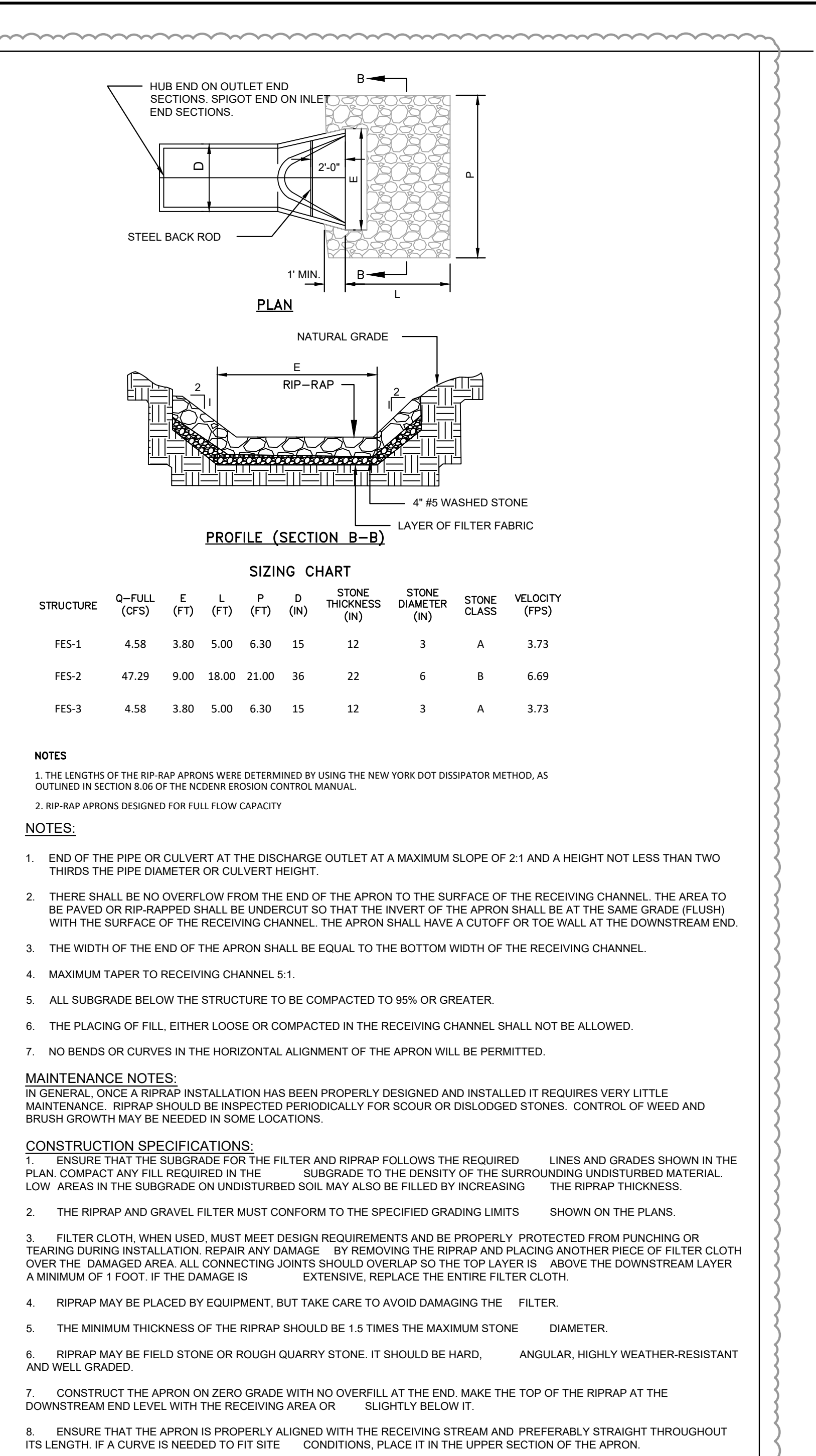
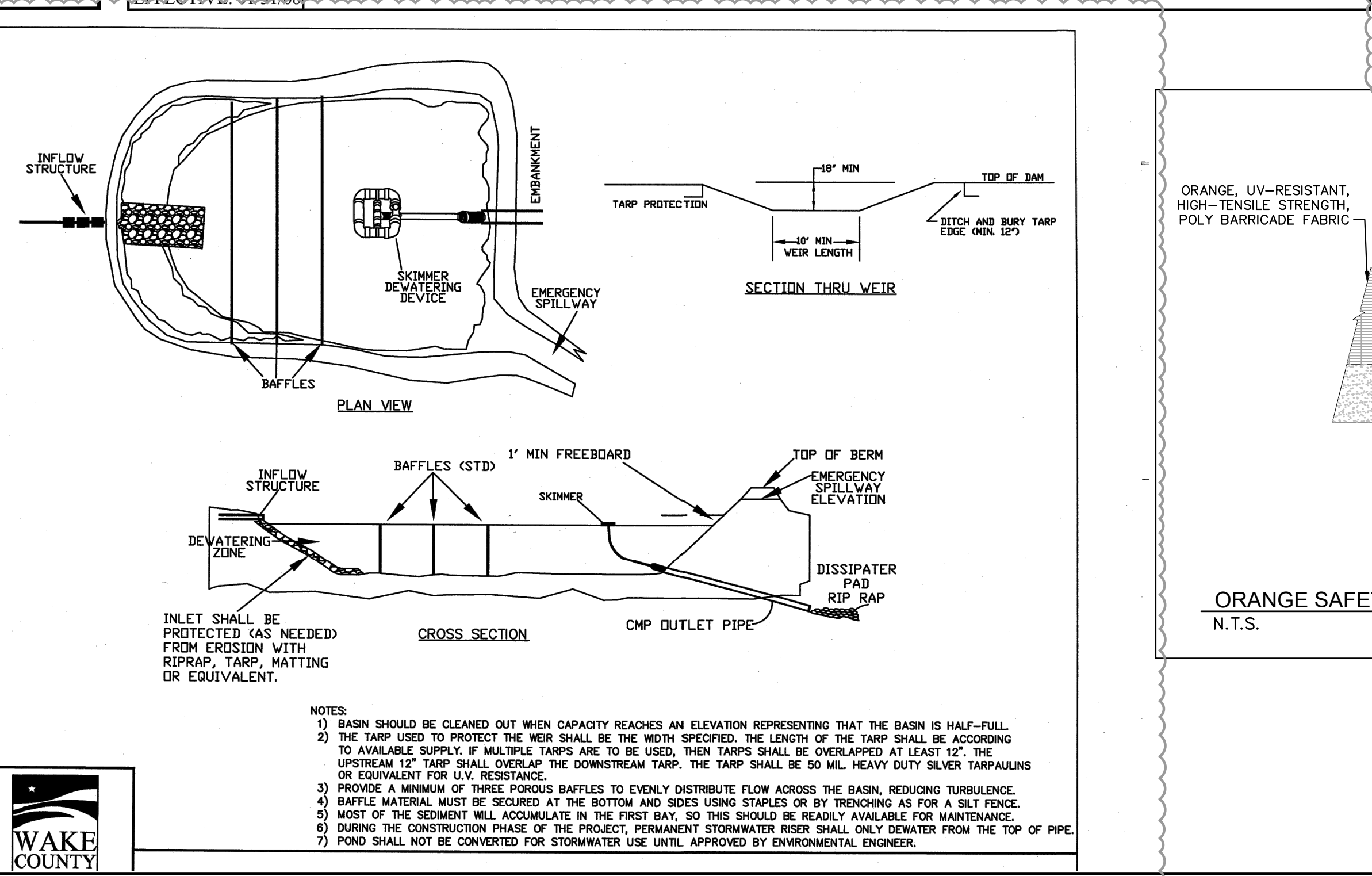
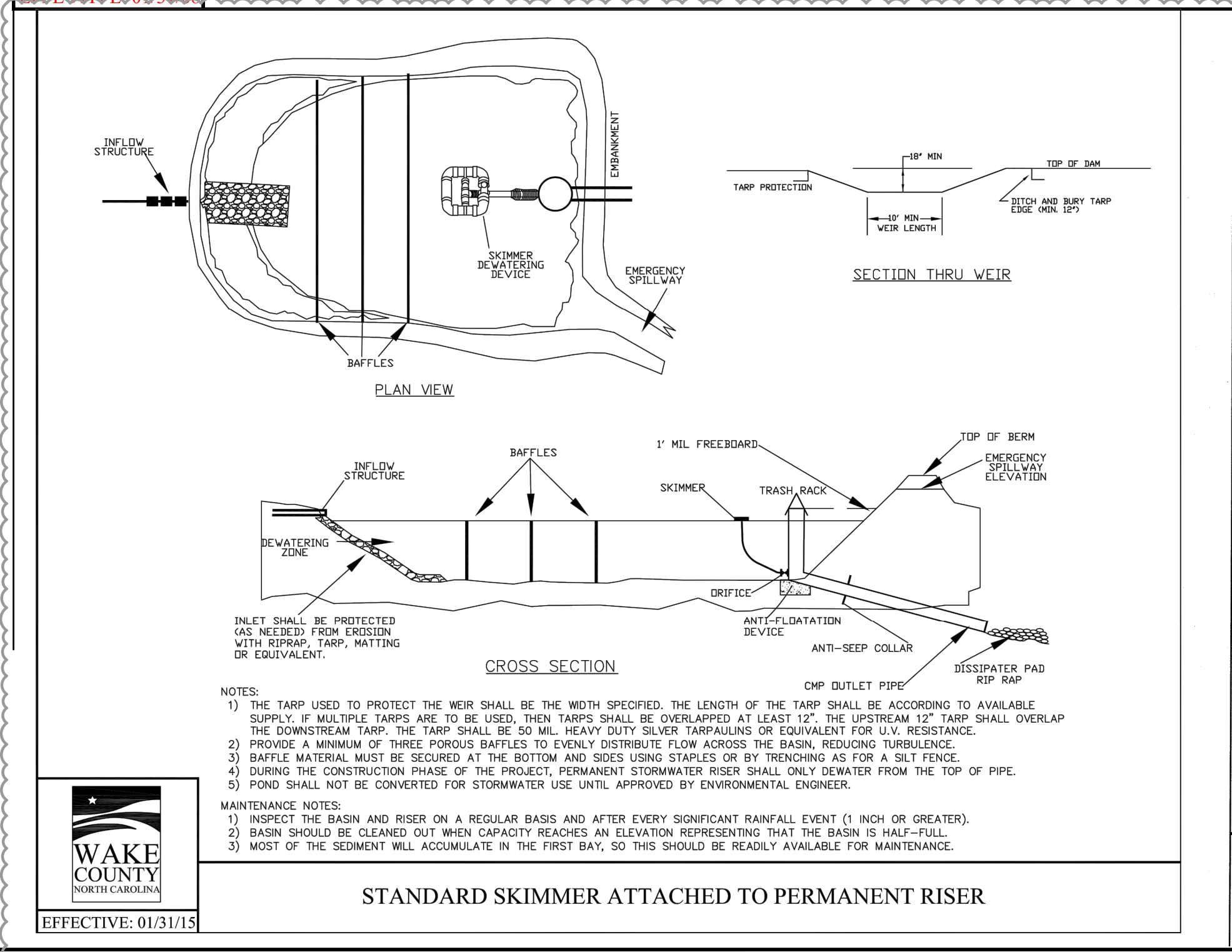
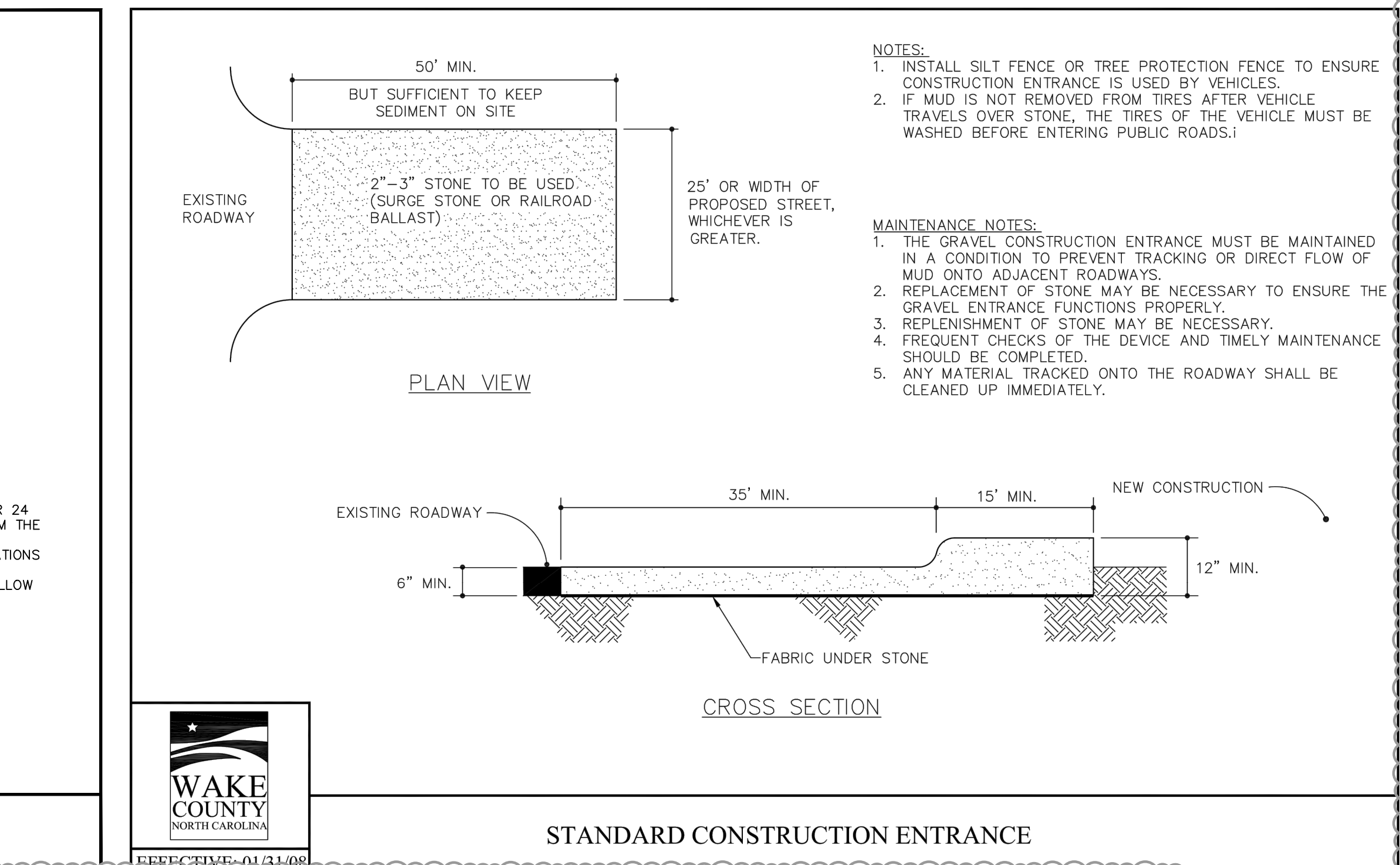
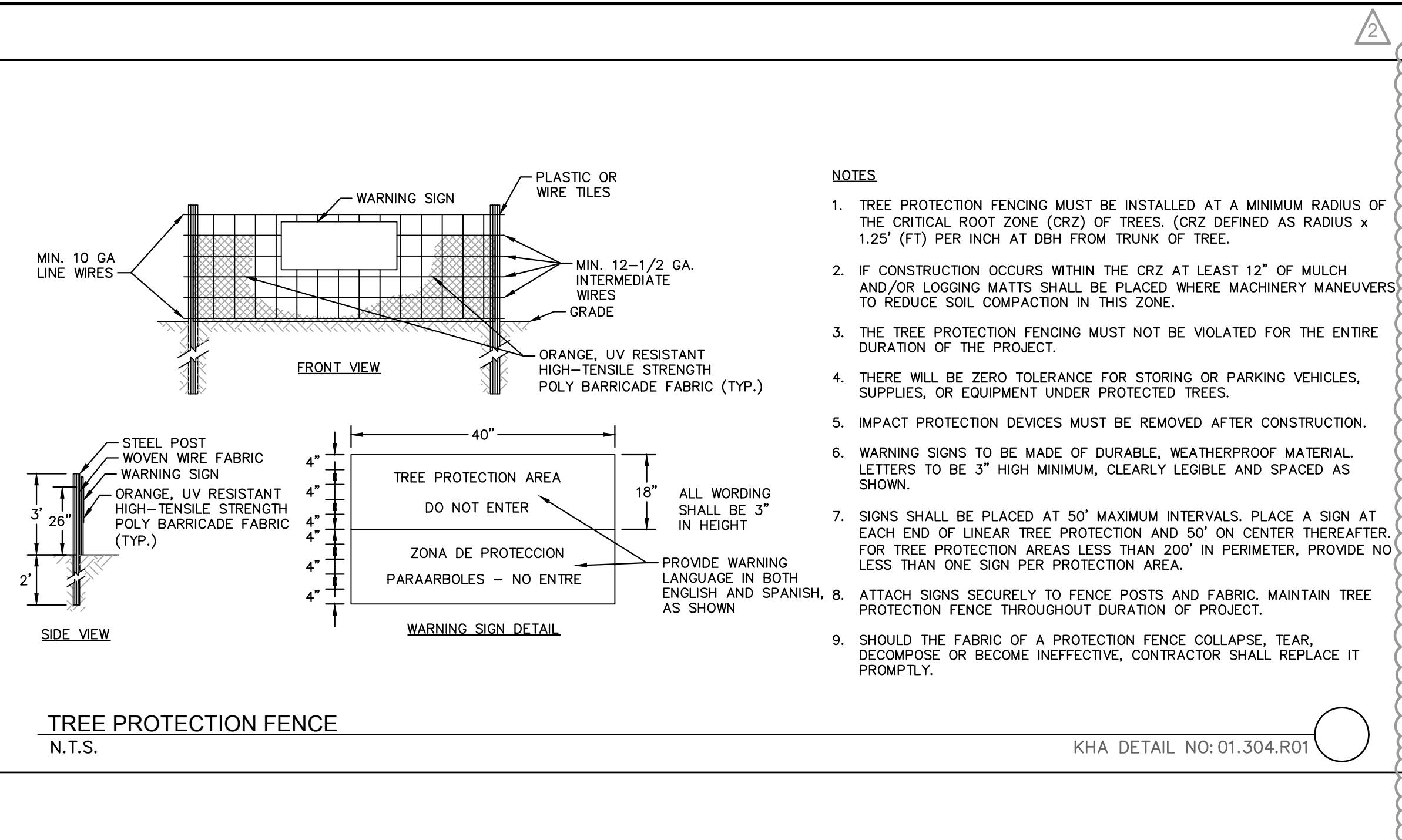
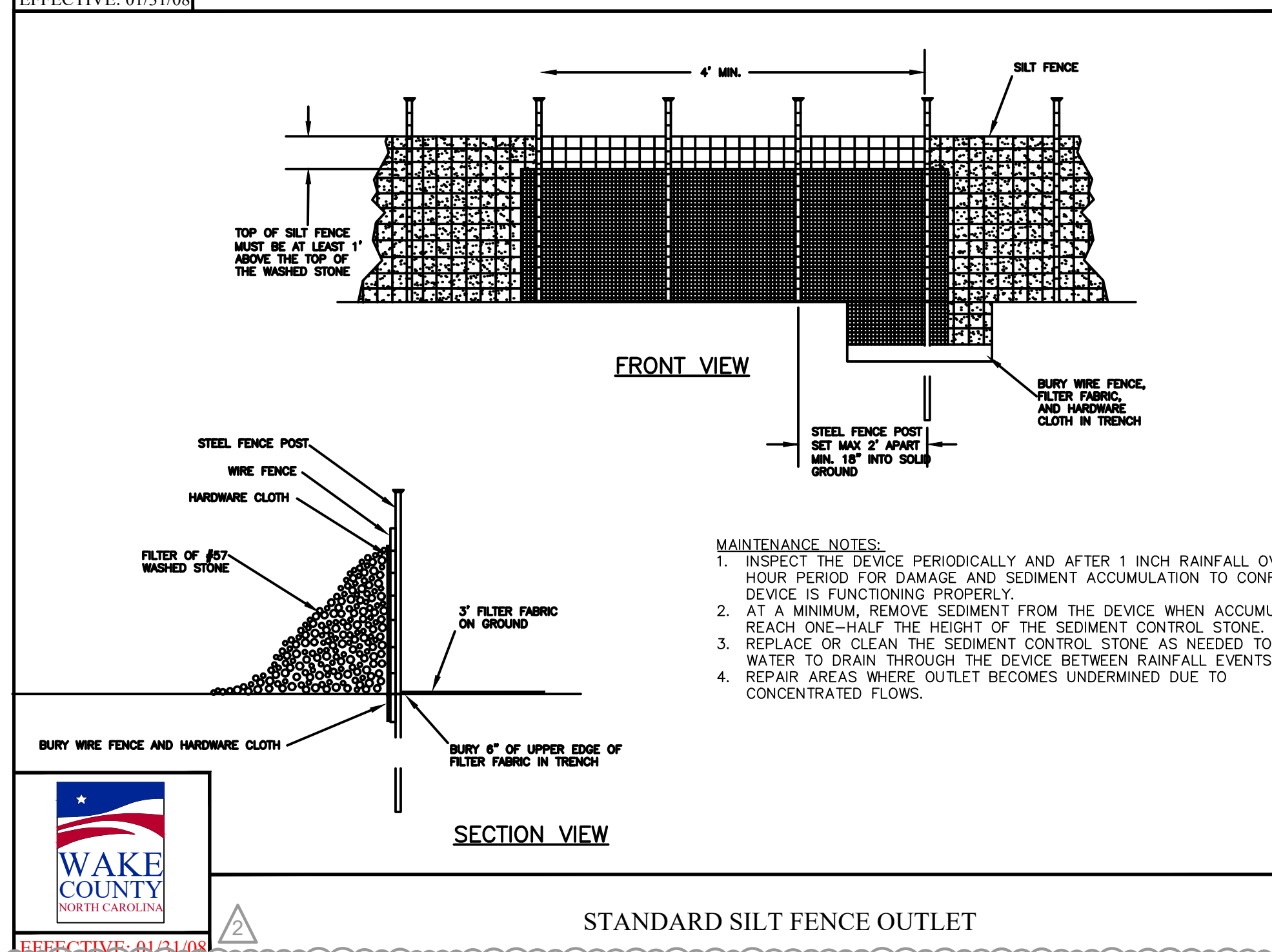
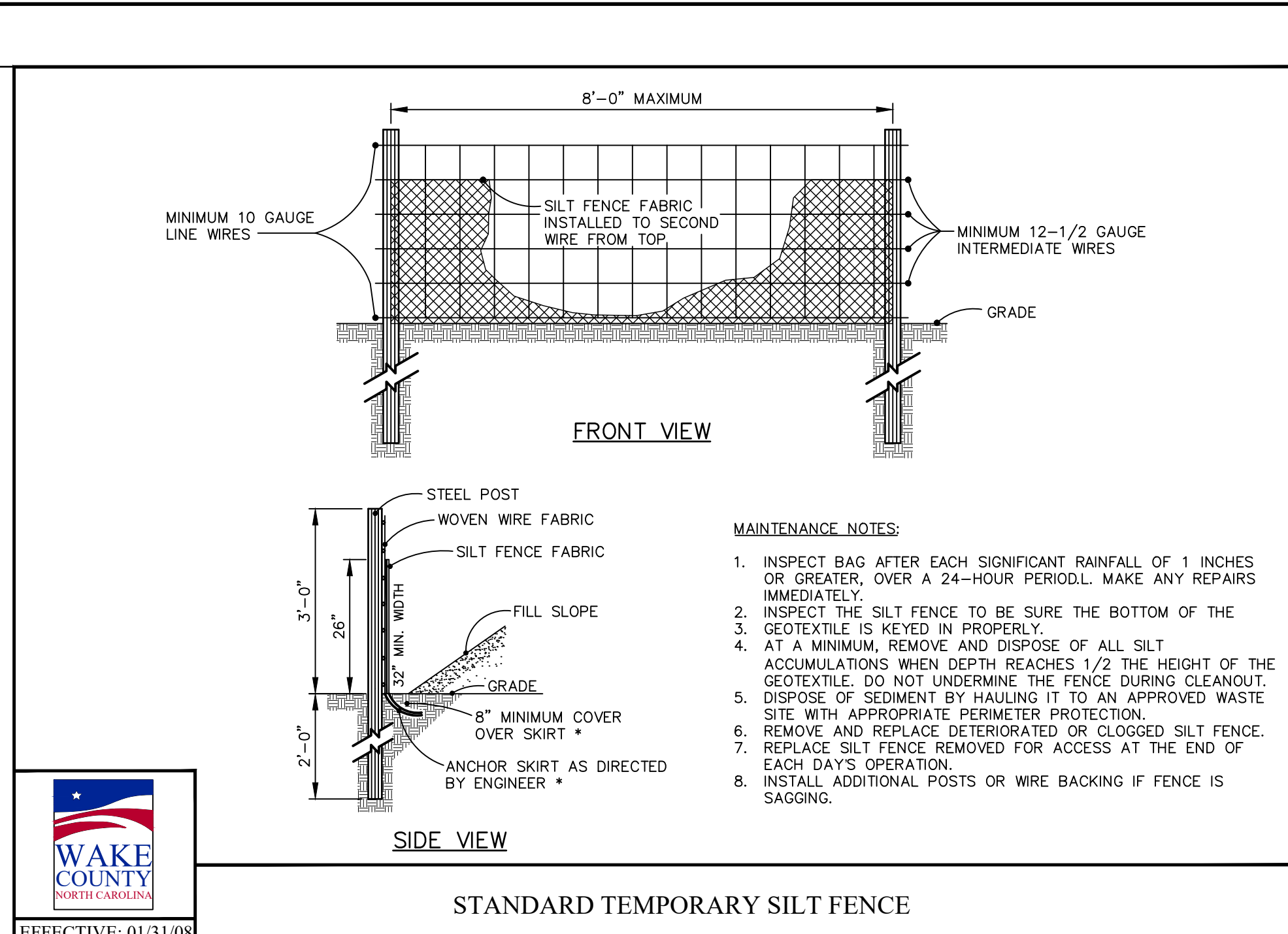
**EROSION CONTROL DETAILS**

SHEET NUMBER  
**C5.2**

SDP-23-09



Plotted By: Barnes, Michael, Sheet: Scooter's Rolesville, Layout: CS3, EROSION CONTROL DETAILS, March 01, 2024, 05:02:18pm, K:\RAL... LEV\01685000-Scooter's Rolesville\Planning\19\_CAD Files\PlanSheets\CS3.7. EROSION CONTROL DETAILS.dwg, This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of 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.



EFFECTIVE: 01/31/15

EFFECTIVE: 01/31/08

EFFECTIVE: 01/31/08

03/01/2024 JAA

TOWN COMMENTS

01/02/2024 IMDE

TOWN COMMENTS

DATE

BY

Kimley»»Horn

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NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SURVEYORS  
EXPIRES: 02/01/2025

KHA PROJECT

016485000

DATE

10/31/2023

SCALE

AS SHOWN

DESIGNED BY

JAA

DRAWN BY

JAA

CHECKED BY

COE

EROSION CONTROL DETAILS

SCOOTER'S ROLESVILLE

PREPARED FOR

S&S JAVA ENTERPRISES

ROLESVILLE, NC

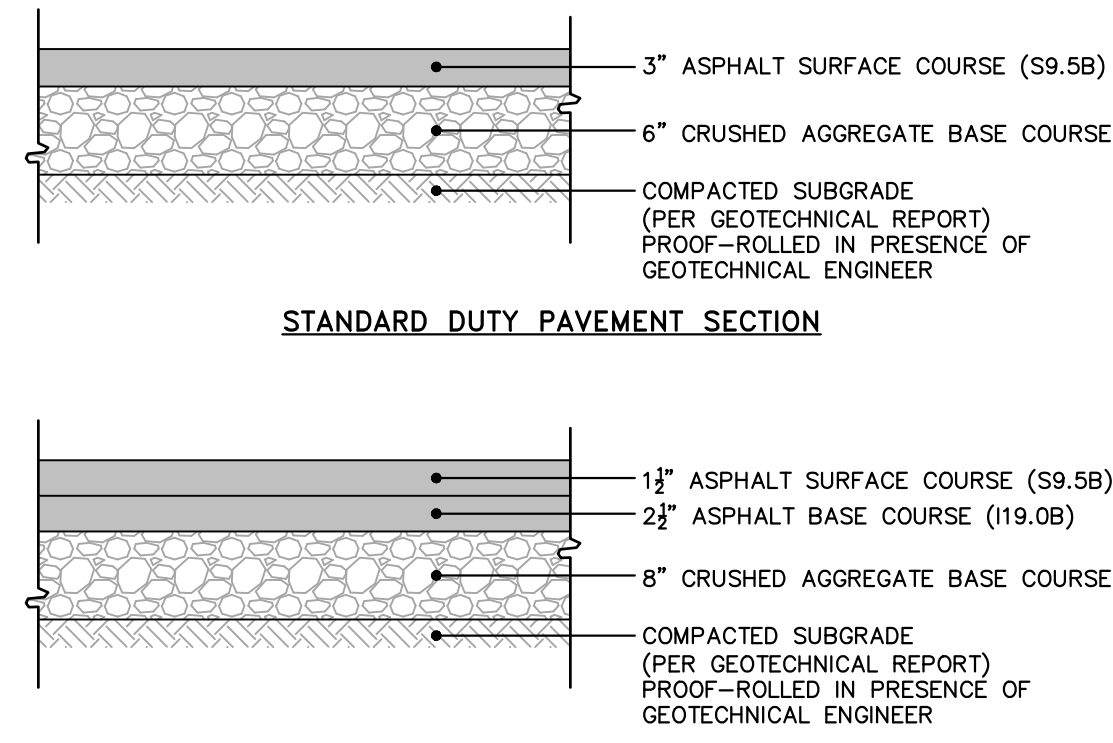
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SDP-23-09

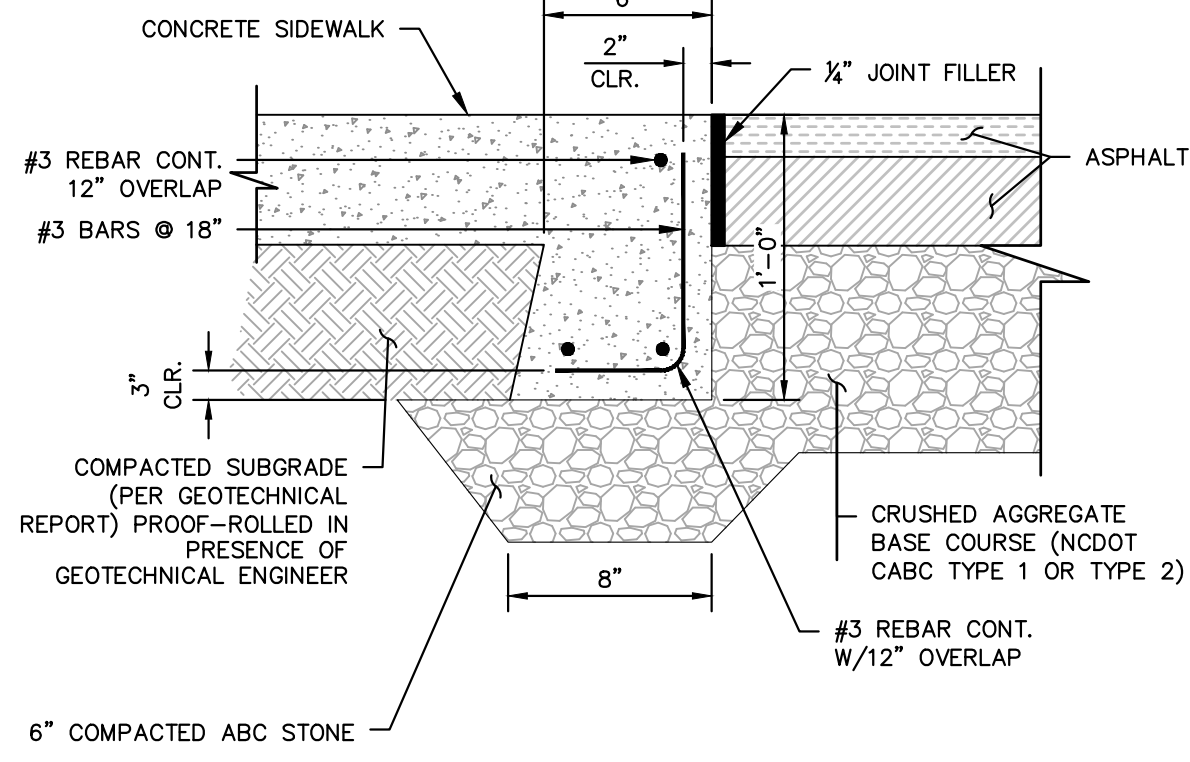
Plotted By: Barnes, Michael. Sheet: SCOOTER'S ROLESVILLE. Layout: C8.0. SITE DETAILS. March 01, 2024. 05:02:23pm. K:\RAL\_LDEV\016485000-Scooter's Rolesville\Planning\15\_CAD Files\Plan\Sheet\C8.4\_SITE DETAILS.dwg  
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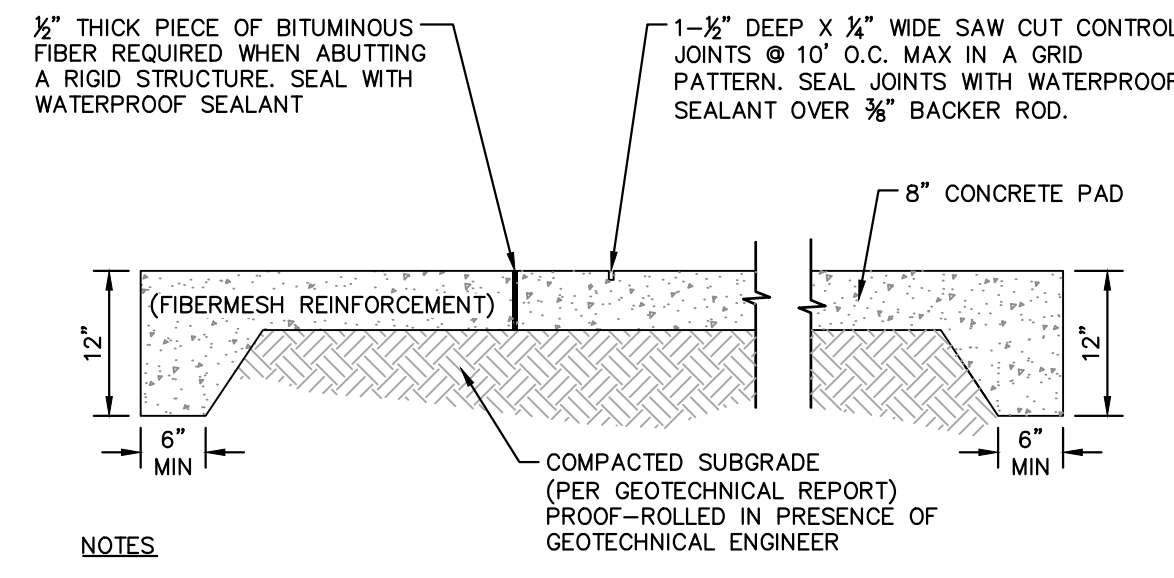
**NOTES**

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

**ASPHALT PAVEMENT SECTIONS**  
 N.T.S. KHA DETAIL NO: 02.101.R02



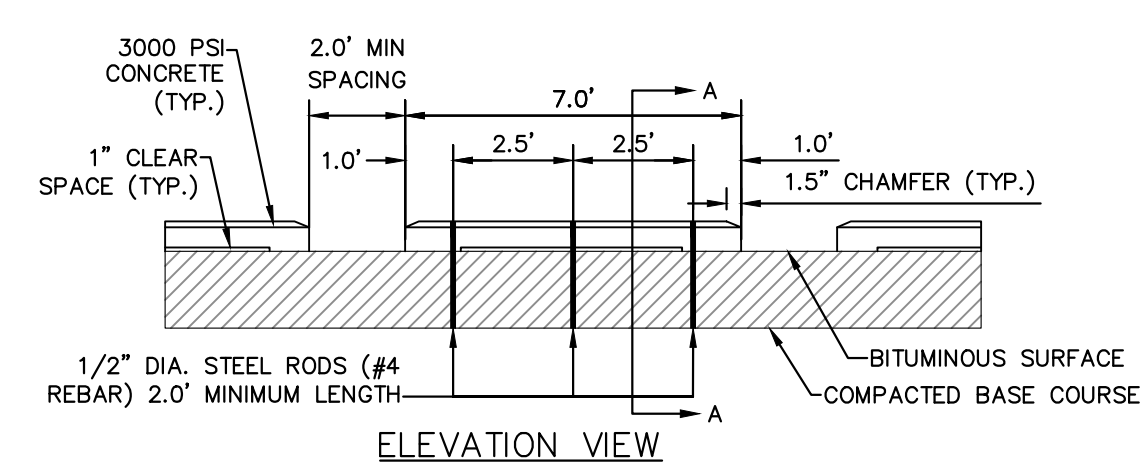
**FLUSH CONCRETE SIDEWALK**  
 N.T.S. KHA DETAIL NO: 02.104.R02



**NOTES**

- EXPANSION JOINTS AT BUILDINGS OR IMMOVABLE OBJECTS.
- CONTROL JOINTS 12' O.C.
- EXPANSION JOINTS 30' O.C. (MAX)
- CONTROL JOINT SPACING MAY VARY.
- BROOM FINISH

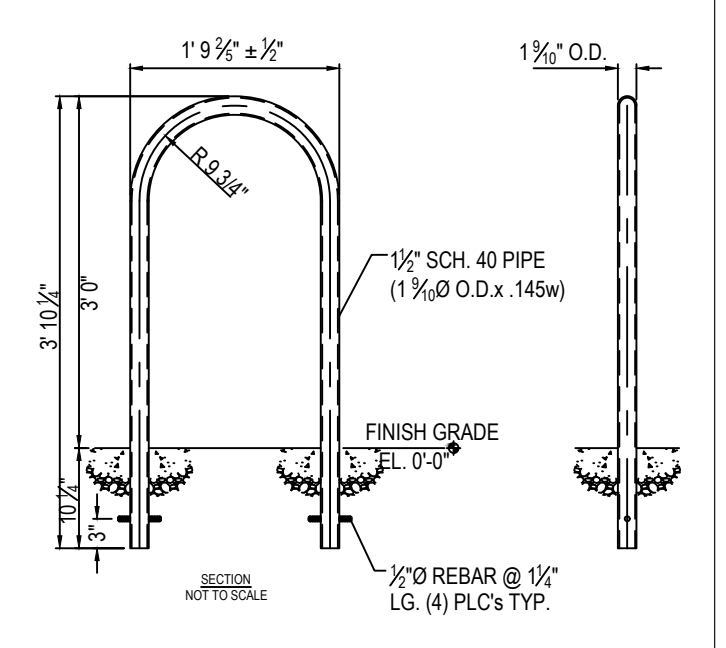
**CONCRETE APRON AND DUMPSTER PAD**  
 N.T.S. KHA DETAIL NO: 02.107.R01



**NOTES**

- ANCHOR RODS TO BE SLEEVED OR GREASED THRU CONCRETE CURBS TO ALLOW FOR RELOCATION OF WHEEL STOPS.
- SEE SITE PLAN FOR WHEEL STOP LOCATIONS. TYPICALLY PLACED 2.5' OFF OF BACK OF CURB ON PAVEMENT.

**WHEEL STOP**  
 N.T.S. KHA DETAIL NO: 02.111.R02

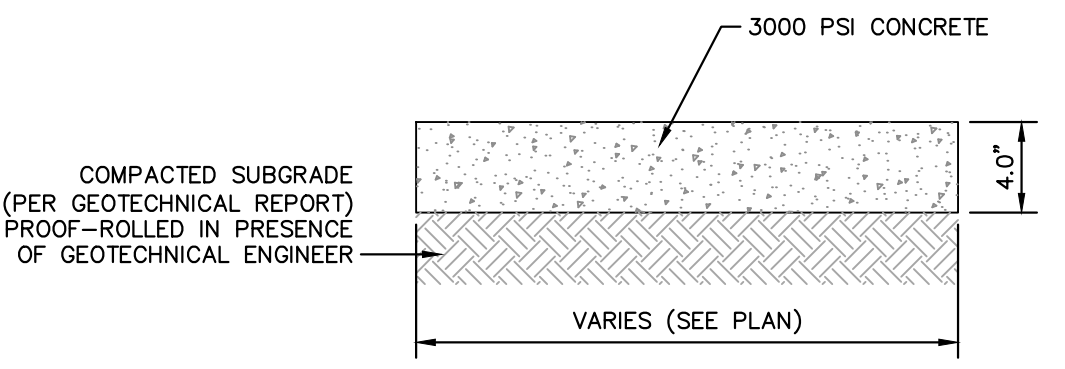


**NOTES**

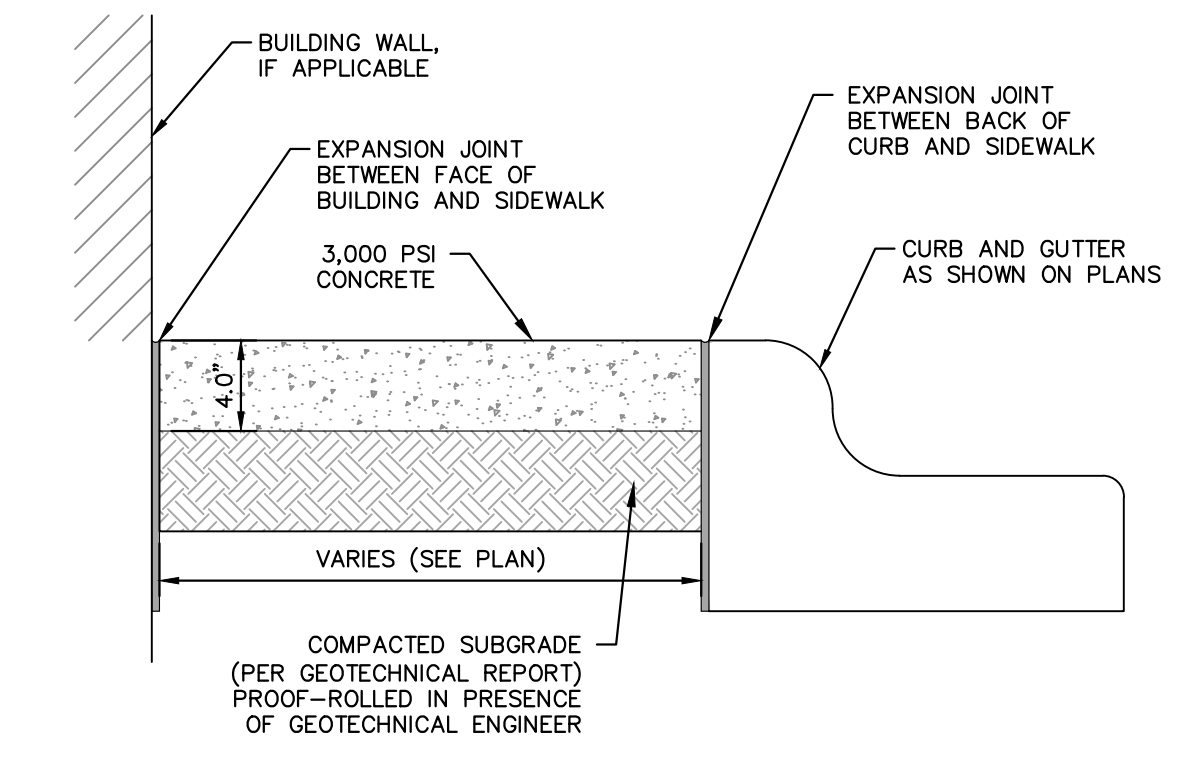
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- DO NOT SCALE DRAWINGS.
- CONTACT MANUFACTURER FOR CUSTOM COLORS.
- SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL.

**NOTE:**  
 RACKS SHALL BE SPACED AT LEAST 24" FROM WALLS, CURB FACES, PAVEMENT EDGES, AND OTHER OBSTRUCTIONS. AT LEAST 36" CLEARANCE SHALL BE PROVIDED FROM THE CENTERLINE OF EACH ADJACENT RACK. A MINIMUM 4' AISLE SHALL BE PROVIDED TO THE FRONT OR REAR OF A BICYCLE SPACE.

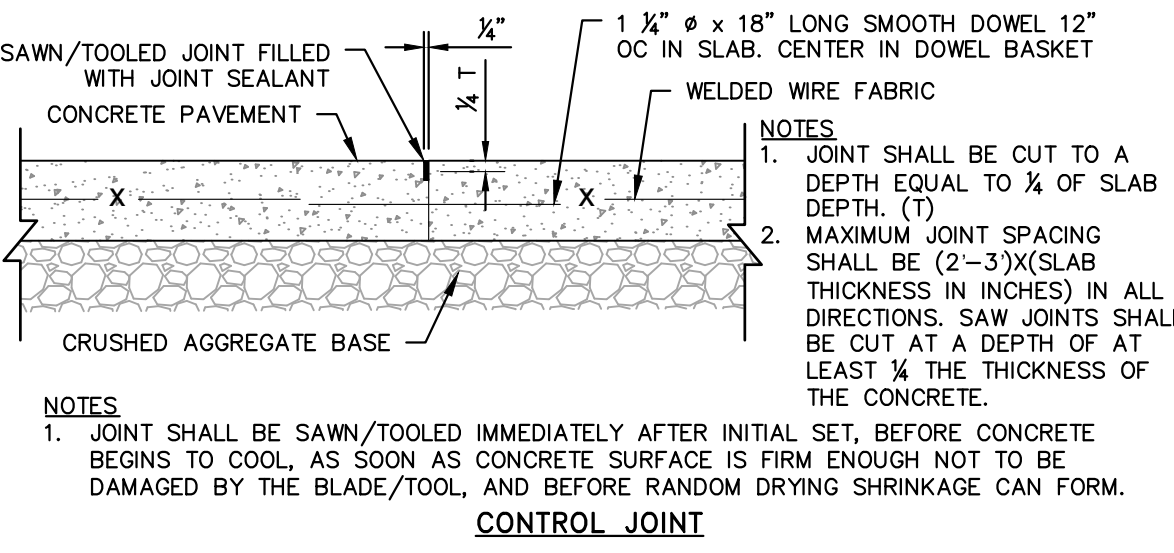
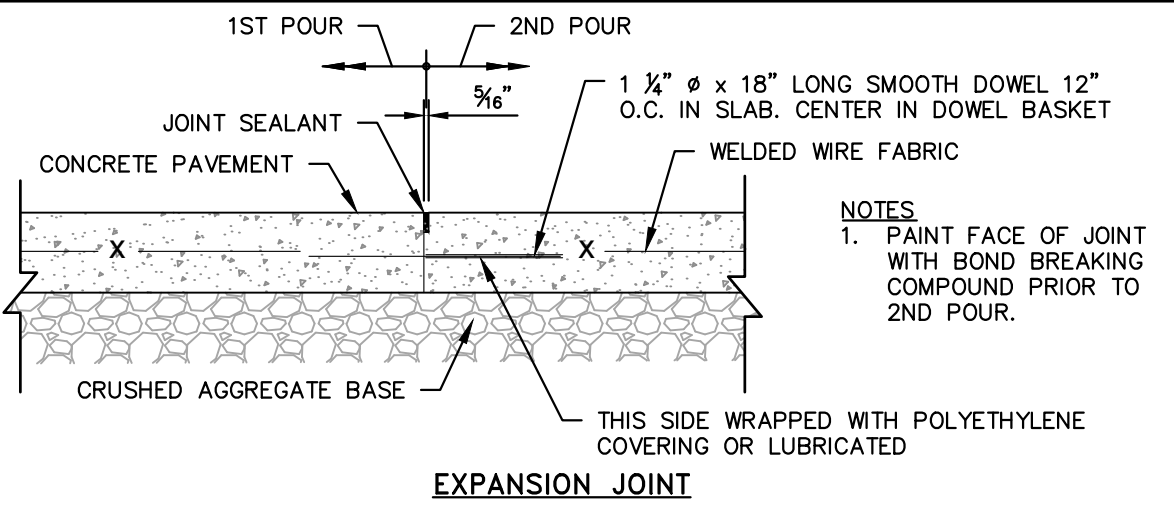
**BIKE RACK DETAIL**  
 SCALE: NTS  
 REVISION DATE: 05/10/2016



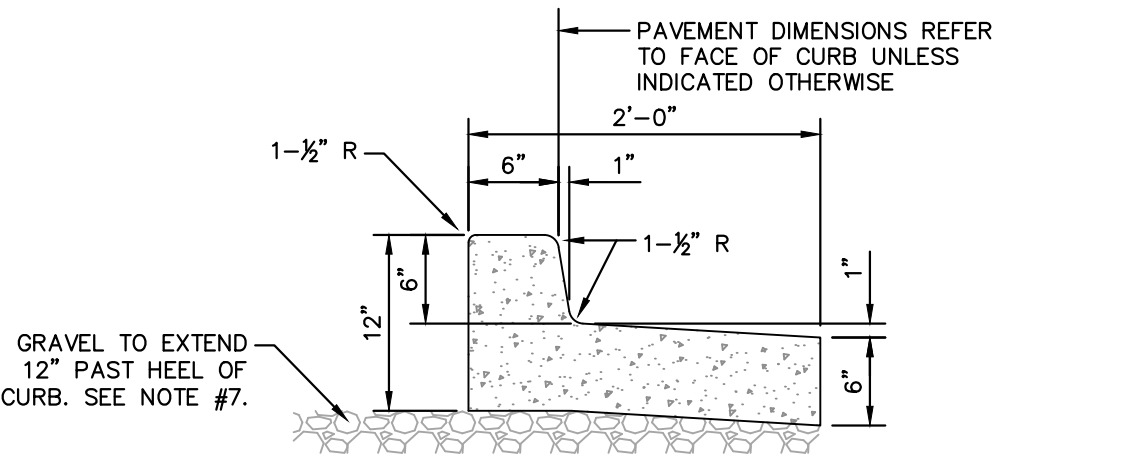
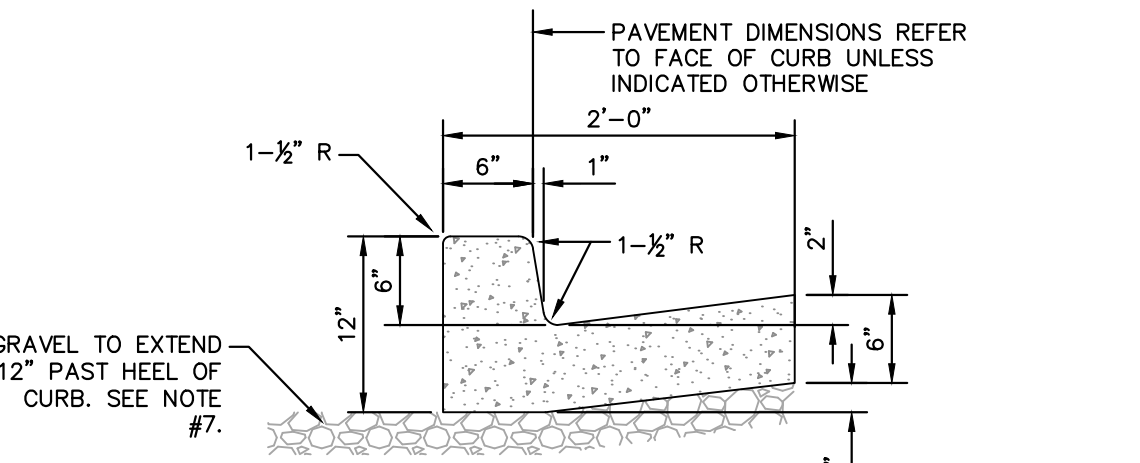
**SIDEWALK SECTION**  
 N.T.S. KHA DETAIL NO: 02.102.R01



**SIDEWALK ADJACENT TO PARKING AREAS**  
 N.T.S. KHA DETAIL NO: 02.105.R02



**HEAVY DUTY CONTROL AND EXPANSION JOINTS**  
 N.T.S. KHA DETAIL NO: 02.108.R02

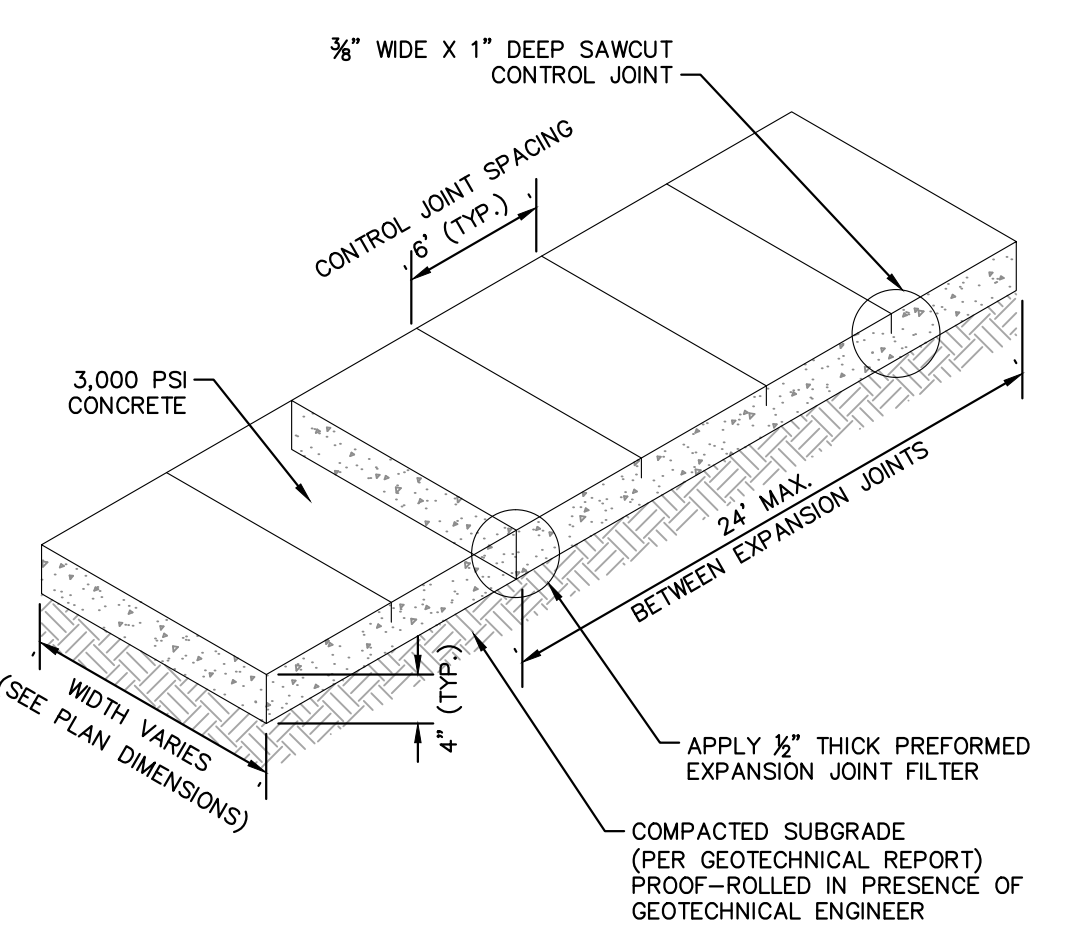


**NOTE:**  
 INSTALL SPILL CURB IN AREAS WHERE PAVEMENT SLOPES AWAY FROM CURB.

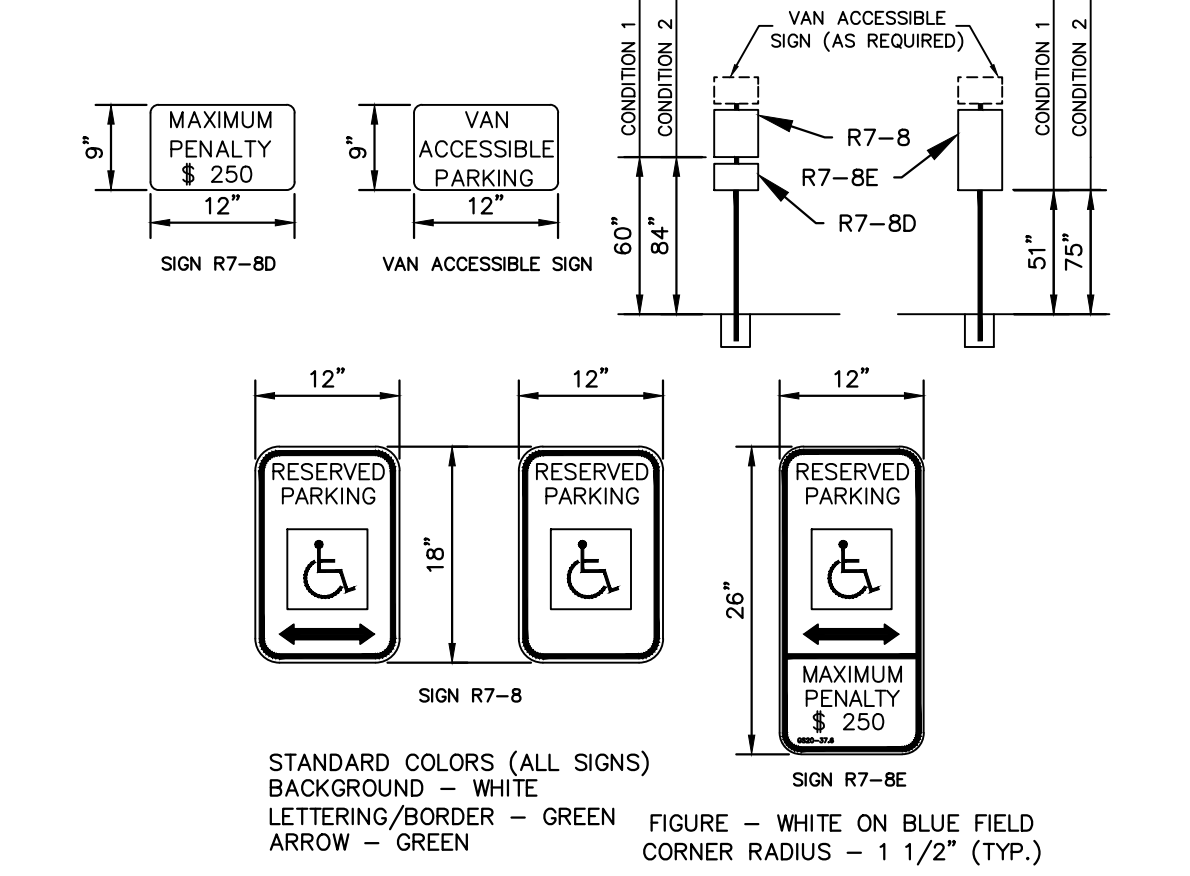
**CURB AND GUTTER NOTES**

- CONTRACTION JOINTS SHALL BE SPACED AT 10-FOOT INTERVALS. JOINT SPACING MAY BE ALTERED BY THE ENGINEER TO PREVENT UNCONTROLLED CRACKING.
- 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.
- 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.
- CONCRETE COMPRESSIVE STRENGTH SHALL BE 3000 P.S.I. IN 28 DAYS.
- CURB SHALL BE DEPRESSED AT INTERSECTIONS TO PROVIDE FOR FUTURE ACCESSIBLE RAMPS, REFER TO SITE PLAN FOR LOCATIONS.
- TOP 6" OF SUBGRADE BENEATH THE CURB AND GUTTER SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- EXTEND GRAVEL 12" PAST HEEL OF CURB IF REQUIRED PER GEOTECHNICAL RECOMMENDATIONS, MIN. DEPTH 4" IF FIELD CONDITIONS WARRANT.

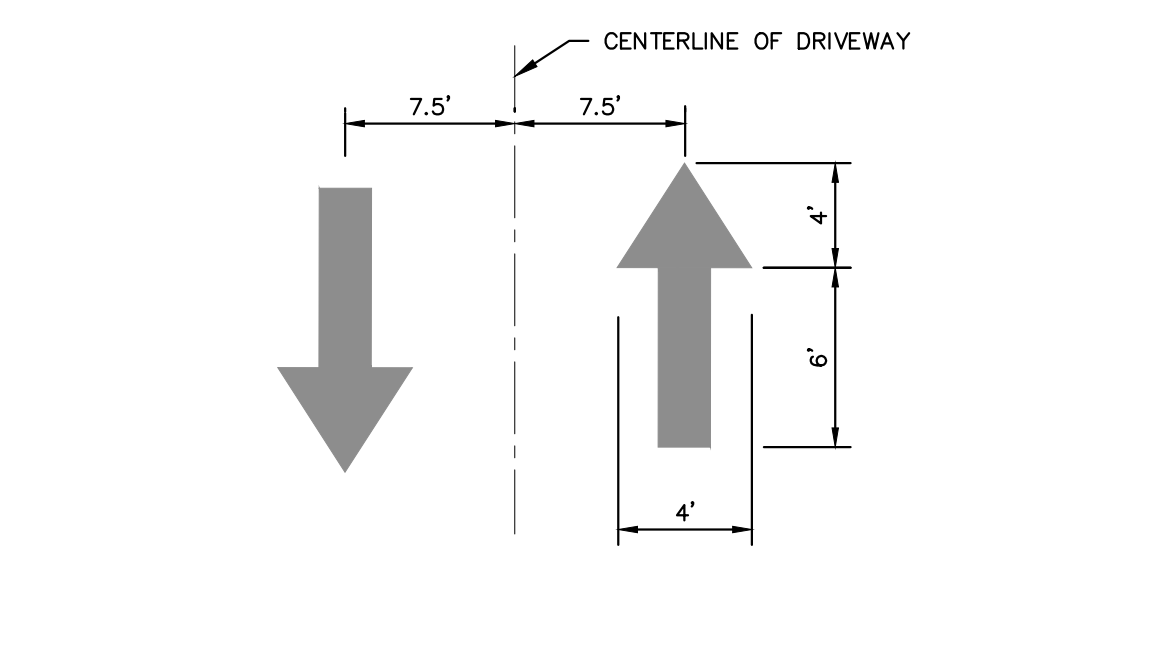
**24" CURB AND GUTTER**  
 N.T.S. KHA DETAIL NO: 02.203.R01



**SIDEWALK**  
 N.T.S. KHA DETAIL NO: 02.103.R02



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



**NOTES**

- ALL PAVEMENT DIRECTIONAL ARROWS TO BE REFLECTIVE WHITE PAINT

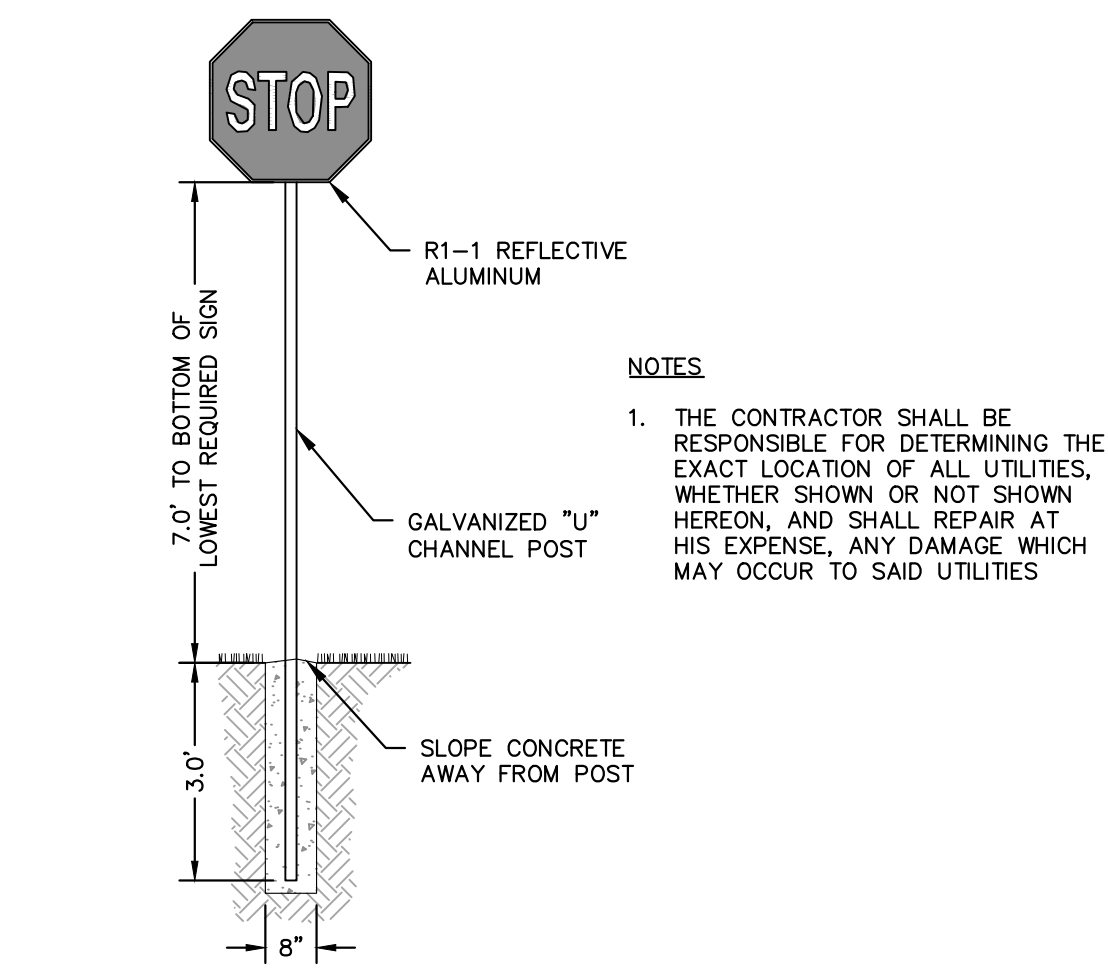
**PAVEMENT DIRECTIONAL ARROW**  
 N.T.S. KHA DETAIL NO: 02.306.R01

**SURVEY NOTE:**  
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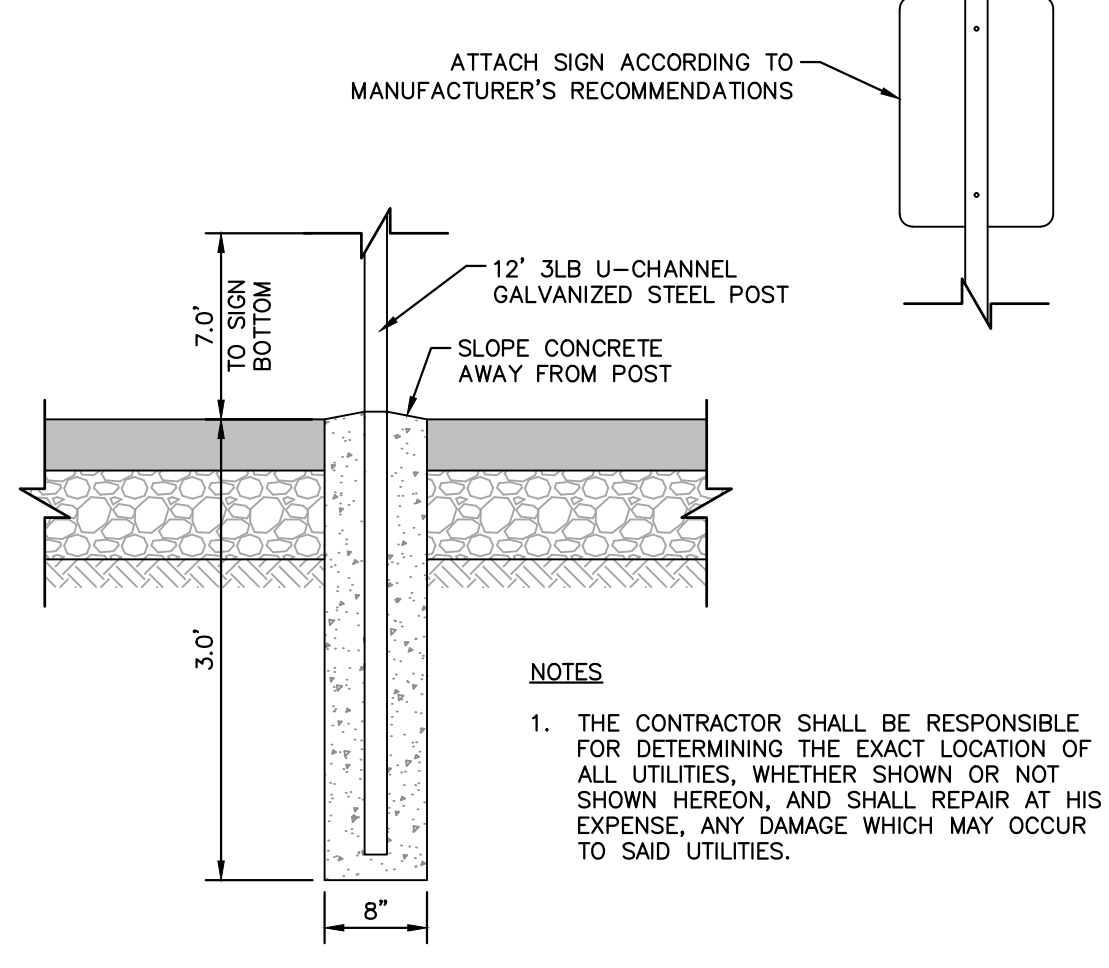
KHA PROJECT 016485000	DATE 10/31/2023	SCALE AS SHOWN	DESIGNED BY JAA	DRAWN BY JAA	CHECKED BY COB	<b>SCOOTER'S ROLESVILLE</b> PREPARED FOR <b>S&amp;S JAVA ENTERPRISES</b> ROLESVILLE, NC	<b>Kimley»Horn</b> © 2023 KIMLEY-HORN AND ASSOCIATES, INC. WWW.KIMLEY-HORN.COM PHONE: 919.677.2000 FAX: 919.677.2050 #F-0102 WWW.KIMLEY-HORN.COM PHONE: 919.677.2000 FAX: 919.677.2050 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601	TOWN COMMENTS JAA 03/01/2024	TOWN COMMENTS JAA 01/02/2024	REVISIONS No.	DATE
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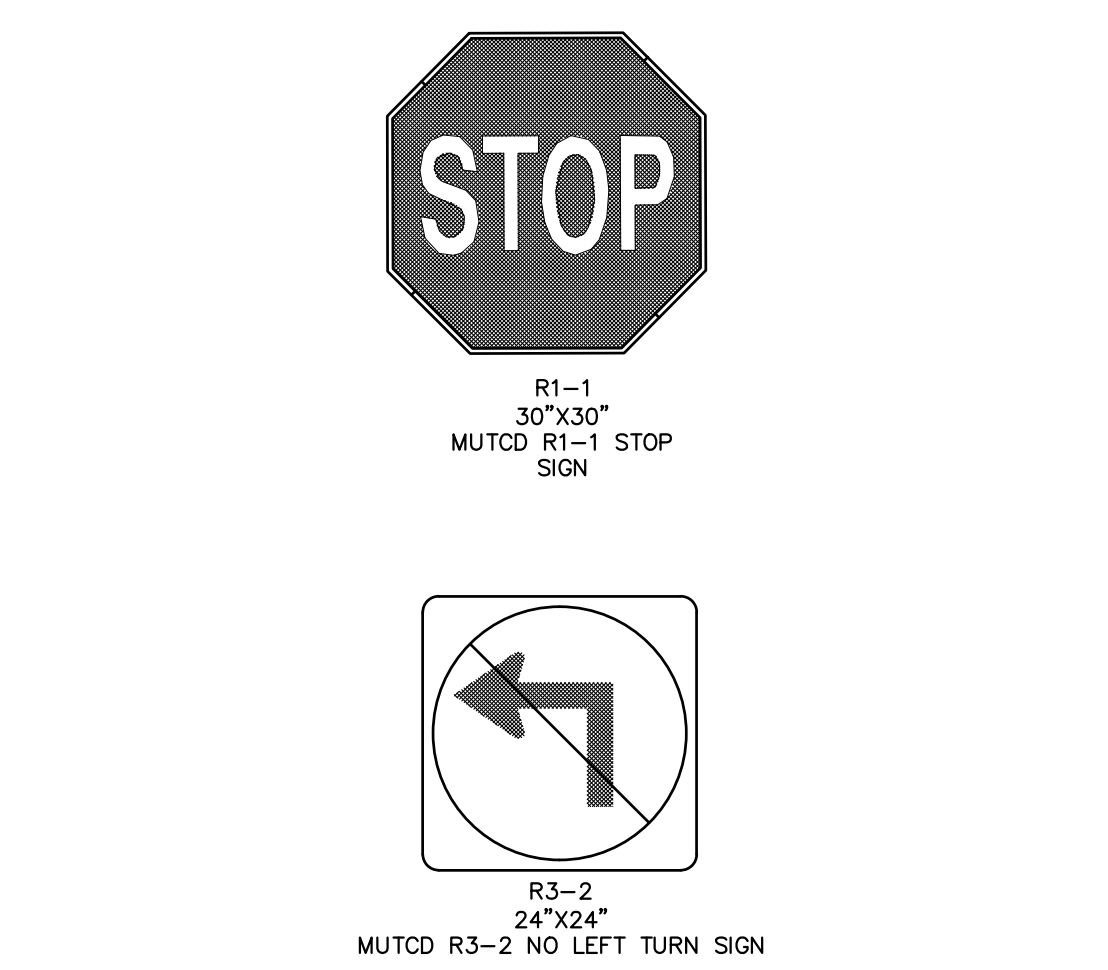
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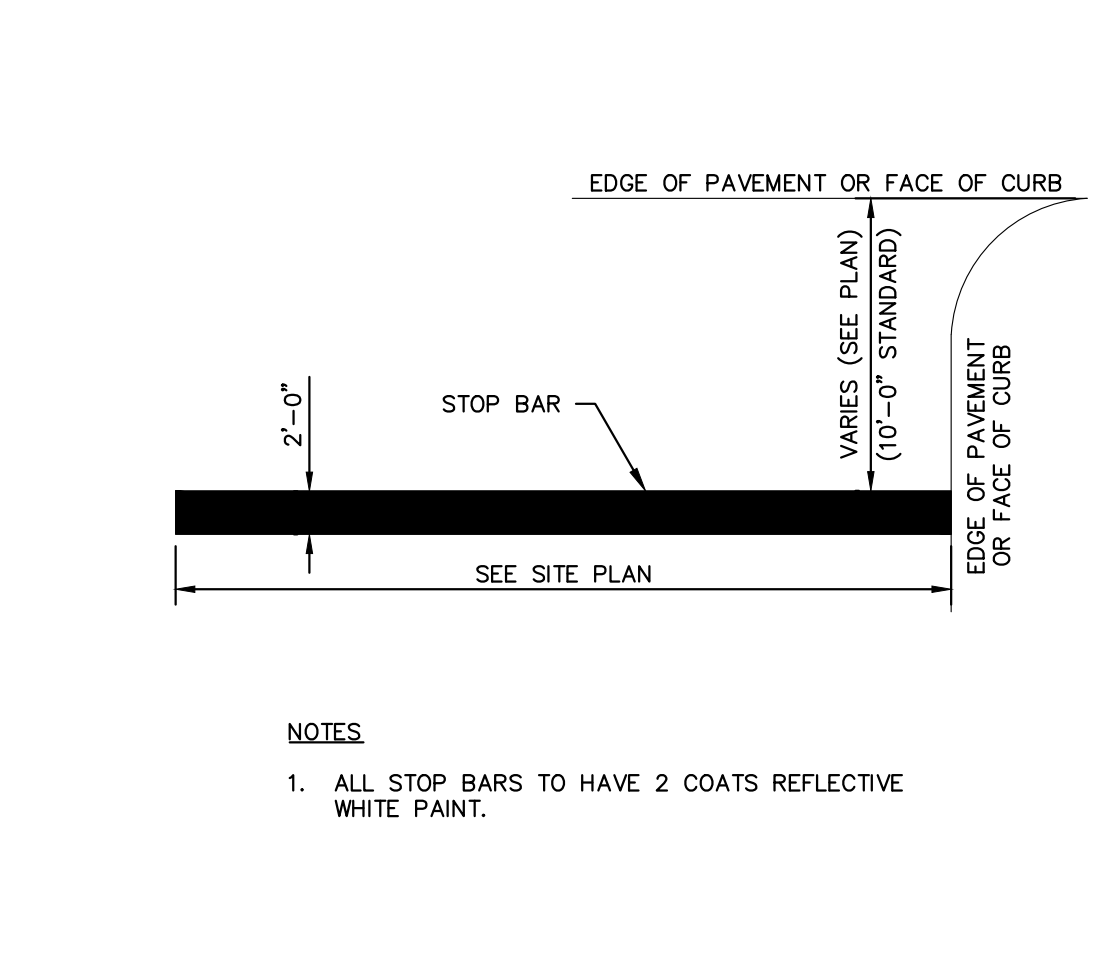
**STOP SIGN**  
N.T.S. KHA DETAIL NO: 02.301.R01



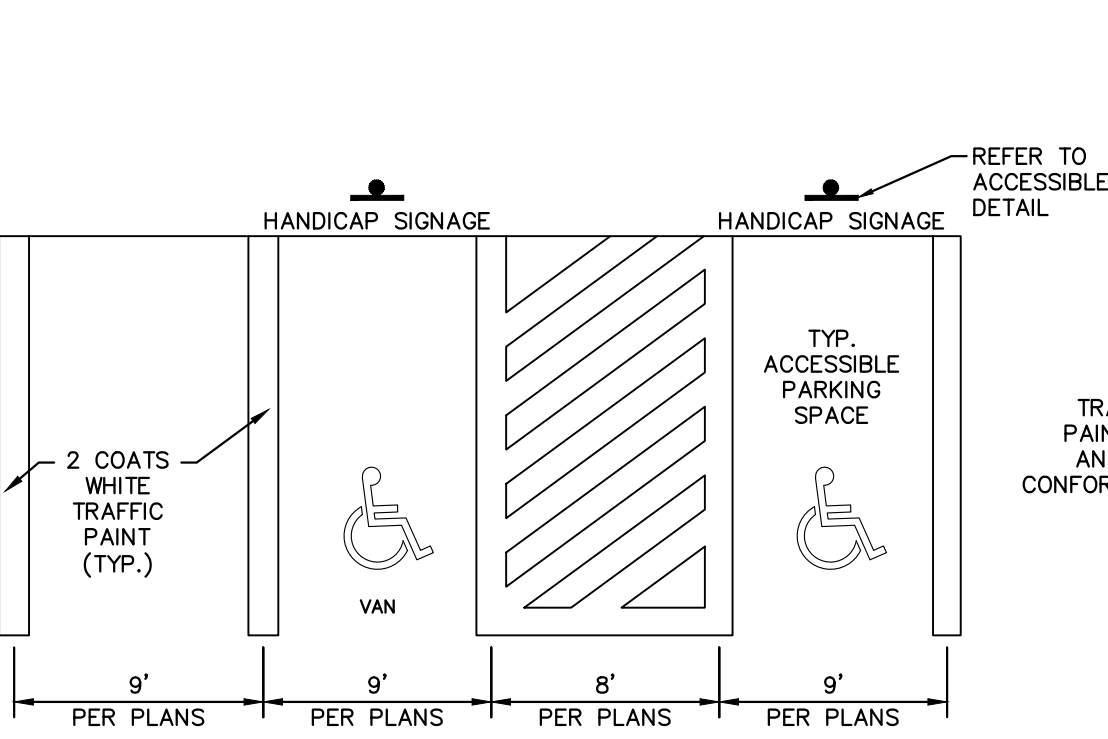
**SIGN POST**  
N.T.S. KHA DETAIL NO: 02.304.R02



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

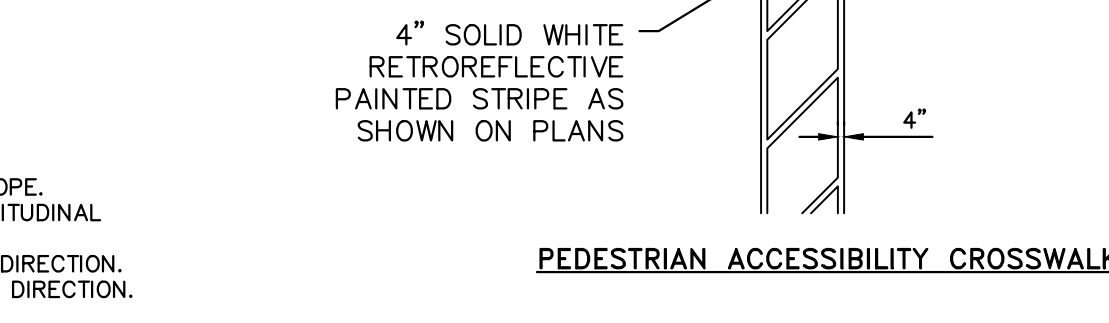
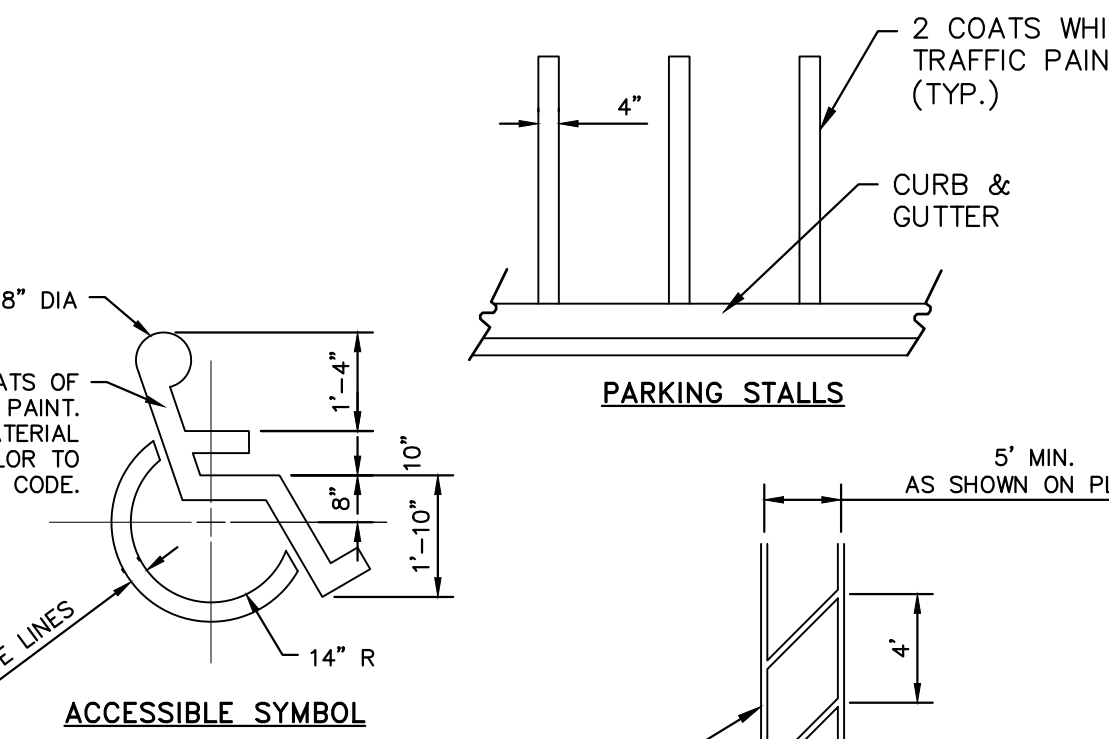


**STOP BAR MARKING**  
N.T.S. KHA DETAIL NO: 02.307.R01

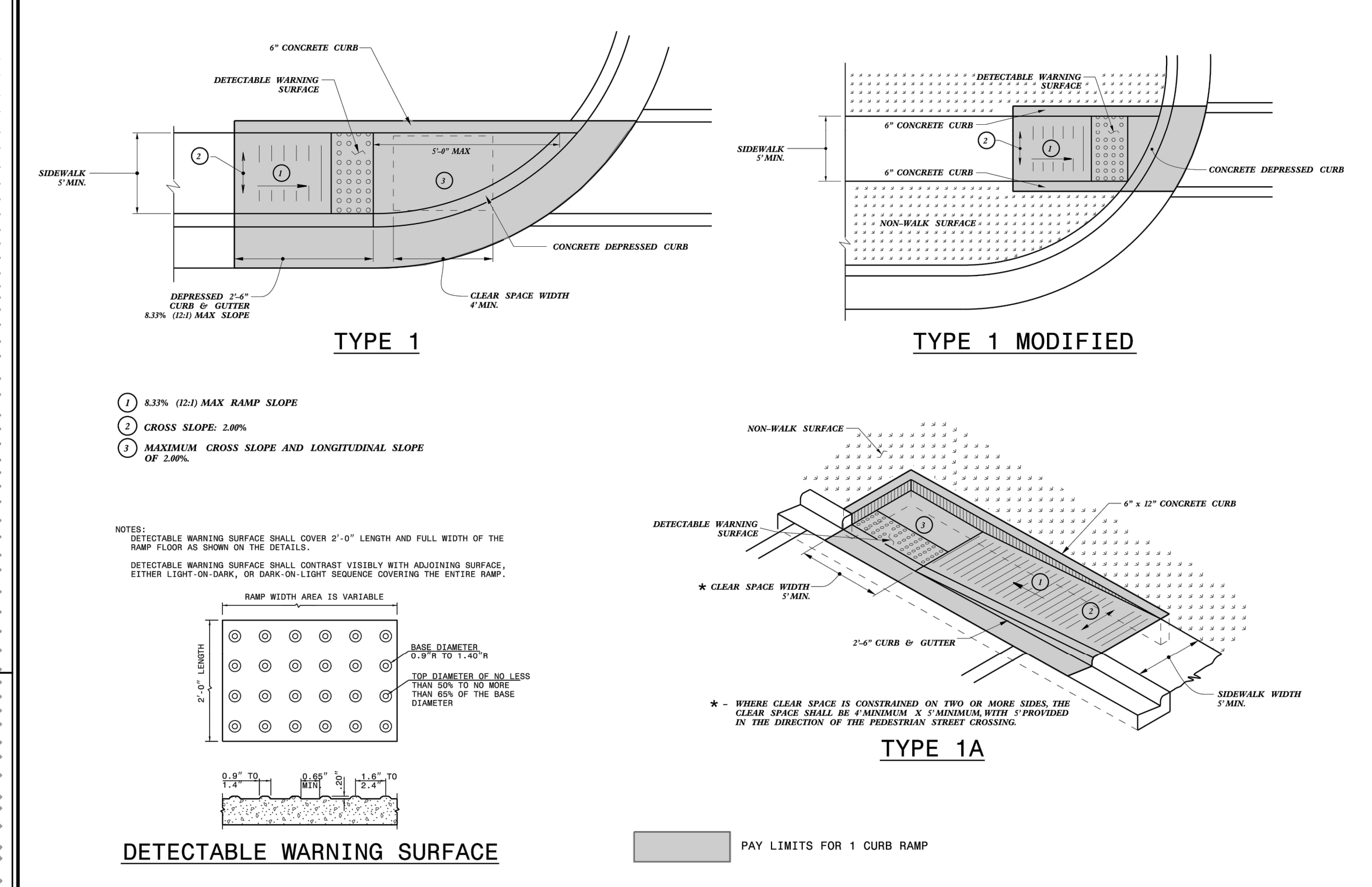


- NOTES**
- SEE SITE DEVELOPMENT PLAN FOR PARKING DIMENSIONS AND LAYOUT
  - DIMENSIONS SHOWN ARE MINIMUMS
  - ALL STRIPING TO CONFORM TO THE APPLICABLE LOCAL AND FEDERAL CODES
  - SIDEWALKS TO HAVE MAXIMUM 2% CROSS SLOPE AND A MAXIMUM 5% LONGITUDINAL SLOPE.
  - PEDESTRIAN CROSSWALKS TO HAVE MAXIMUM 2% CROSS SLOPE AND MAXIMUM 5% LONGITUDINAL SLOPE WITHIN STRIPED AREA.
  - ADA PARKING AREAS AND ACCESSIBLE AREAS TO HAVE A MAXIMUM 2% SLOPE IN ANY DIRECTION.
  - 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



**PEDESTRIAN ACCESSIBILITY CROSSWALK**  
N.T.S. KHA DETAIL NO: 02.305.R02



- NOTES:**
- CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
  - LOCATE CURB RAMP AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMP OR MARKINGS AS SHOWN, CONTACT THE SIGNING AND DELINEATION UNIT OR LOCATE AS DIRECTED BY THE ENGINEER.
  - COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'x4' CLEAR SPACE AT THE BASE OF THE CURB RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES.
  - SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM.
  - REFER TO THE PAVEMENT MARKING PLANS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS. IF A PAVEMENT MARKING PLAN IS NOT PROVIDED, CONTACT THE SIGNAL DESIGN SECTION FOR THE STOP BAR LOCATIONS OR LOCATE AS DIRECTED BY THE ENGINEER.
  - TERMINATE PARKING A MINIMUM OF 20' FROM THE BACK OF PEDESTRIAN CROSSWALK.
  - CONSTRUCT CURB RAMP A MINIMUM OF 4' WIDE.
  - CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM.
  - ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMP WILL BE 2% MAXIMUM.
  - CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE.
  - CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION.
  - CONSTRUCT CLEAR SPACES FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT CLEAR SPACES FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. IF CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' MINIMUM, WITH 5' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.
  - TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE. CONSTRUCT MEDIAN ISLANDS TO PROVIDE PASSAGE OVER OR THROUGH THE ISLAND.
  - SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'x5' CLEAR SPACE AT THE TOP OF RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET.
  - CURB RAMP WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP, WHERE THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE, OR THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED.
  - PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB AS SHOWN IN ROADWAY STANDARD DRAWING 848.01.
  - PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS AS SHOWN IN THE PLANS OR AS SHOWN IN THE MUTCD.
  - DETECTABLE WARNING SURFACES WILL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
  - DETECTABLE WARNING SURFACES WILL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

**ROADWAY STANDARD DRAWING FOR CURB RAMP**  
SHEET 13 OF 13  
**848.06**

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

ROADWAY STANDARD DRAWING FOR  
**CURB RAMP**  
DIRECTIONAL RAMP

SHEET 6 OF 13  
**848.06**

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

ROADWAY STANDARD DRAWING FOR  
**CURB RAMP**  
NOTES

SHEET 13 OF 13  
**848.06**

**811**  
Know what's below.  
Call before you dig.

**SCOOTER'S ROLESVILLE**  
PREPARED FOR  
**S&S JAVA ENTERPRISES**  
ROLESVILLE NC

SURVEY NOTE:  
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KIMLEY-HORN & ASSOCIATES, INC.  
421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601  
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**Kimley-Horn**

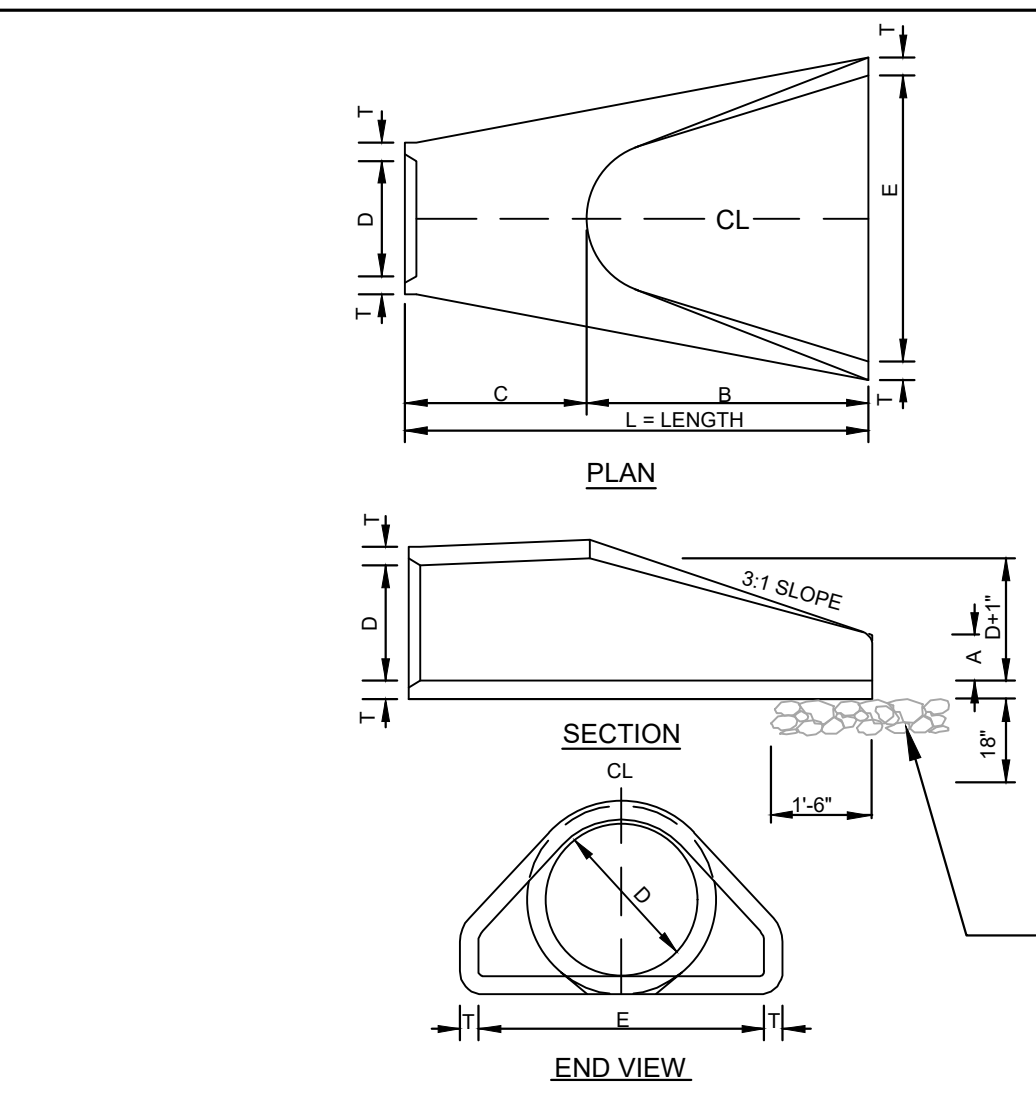
TOWN COMMENTS  
REVISIONS

No.	DATE	BY
1	03/01/2024	JAA
2	01/02/2024	JAA

SHEET NUMBER  
**C8.1**

SDP-23-07

Plotted By: Barnes, Michael, Sheet: S&S COOTER'S ROLESVILLE, Layout: C9.0, STORM DETAILS, March 01, 2024, 09:02:33pm, K:\RAL\_LDEV\016485000-Scooter's Rolesville\Storm Details\C9.0 STORM DETAILS.dwg, This document, together with the concepts and designs presented herein, is an instrument of service, as intended only for the specific purpose and client for which it was prepared. Re-use of 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.



CONCRETE FLARED END SECTION  
N.T.S.

TABLE OF DIMENSIONS

D	T	A	B	C	E	L	WT.
12"	2-1/4"	4"	2'-0"	4'-1"	2'-0"	6'-1"	730
15"	2-1/4"	6"	2'-3"	3'-10"	2'-0"	6'-1"	730
18"	2-1/2"	9"	2'-5"	3'-10"	3'-0"	6'-1"	1190
24"	3"	10"	3'-8"	2'-8"	4'-0"	8'-2"	1770
30"	3-1/2"	1'-0"	4'-6"	1'-8"	5'-0"	8'-2"	2380
36"	4"	1'-3"	5'-3"	2'-11"	6'-0"	8'-2"	5320
42"	4-1/2"	1'-9"	5'-3"	2'-11"	6'-6"	8'-2"	5920
48"	5"	2'-0"	6'-0"	2'-2"	7'-0"	8'-2"	7470
54"	5-1/2"	2'-3"	6'-8"	2'-10"	7'-0"	8'-4"	8810
60"	6"	2'-6"	6'-0"	3'-3"	8'-0"	8'-3"	11180
66"	6-1/2"	3'-0"	6'-0"	2'-3"	8'-6"	8'-3"	12530
72"	7"	3'-0"	6'-6"	1'-9"	9'-0"	8'-3"	13980

- GENERAL NOTES:
- SEE FORMER NCDOT STANDARD 310.01 FOR DETAILS.
  - REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF REINFORCED CONCRETE PIPE OF LIKE DIAMETER PER AASHTO M170.
  - ALL CONCRETE TO BE 3000 P.S.I COMPRESSIVE STRENGTH MIN.
  - PROVIDE TONGUE OR SPIGOT JOINT AT INLET END SECTION.
  - PROVIDE GROOVE OR BELL JOINT AT OUTLET END SECTION.
  - THE DIMENSIONS FOR END SECTIONS SHALL SUBSTANTIALLY AGREE WITH THE TABLE. MINOR VARIATIONS WILL BE PERMITTED BASED ON THE MANUFACTURER'S STANDARD SPECIFICATIONS.
  - NOT TO BE USED IN NCDOT MAINTAINED RIGHT OF WAY.

KHA DETAIL NO: 01.905.R01

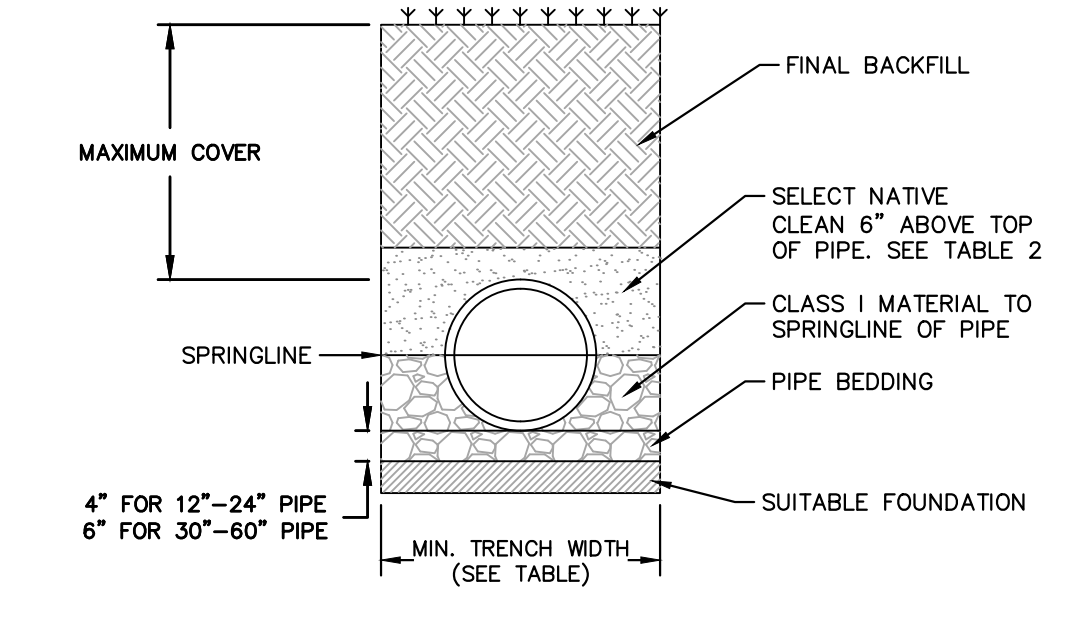


TABLE 2, MAXIMUM COVER FOR ADS HP STORM PIPE, ALTERNATE INSTALLATION, R (s=120)

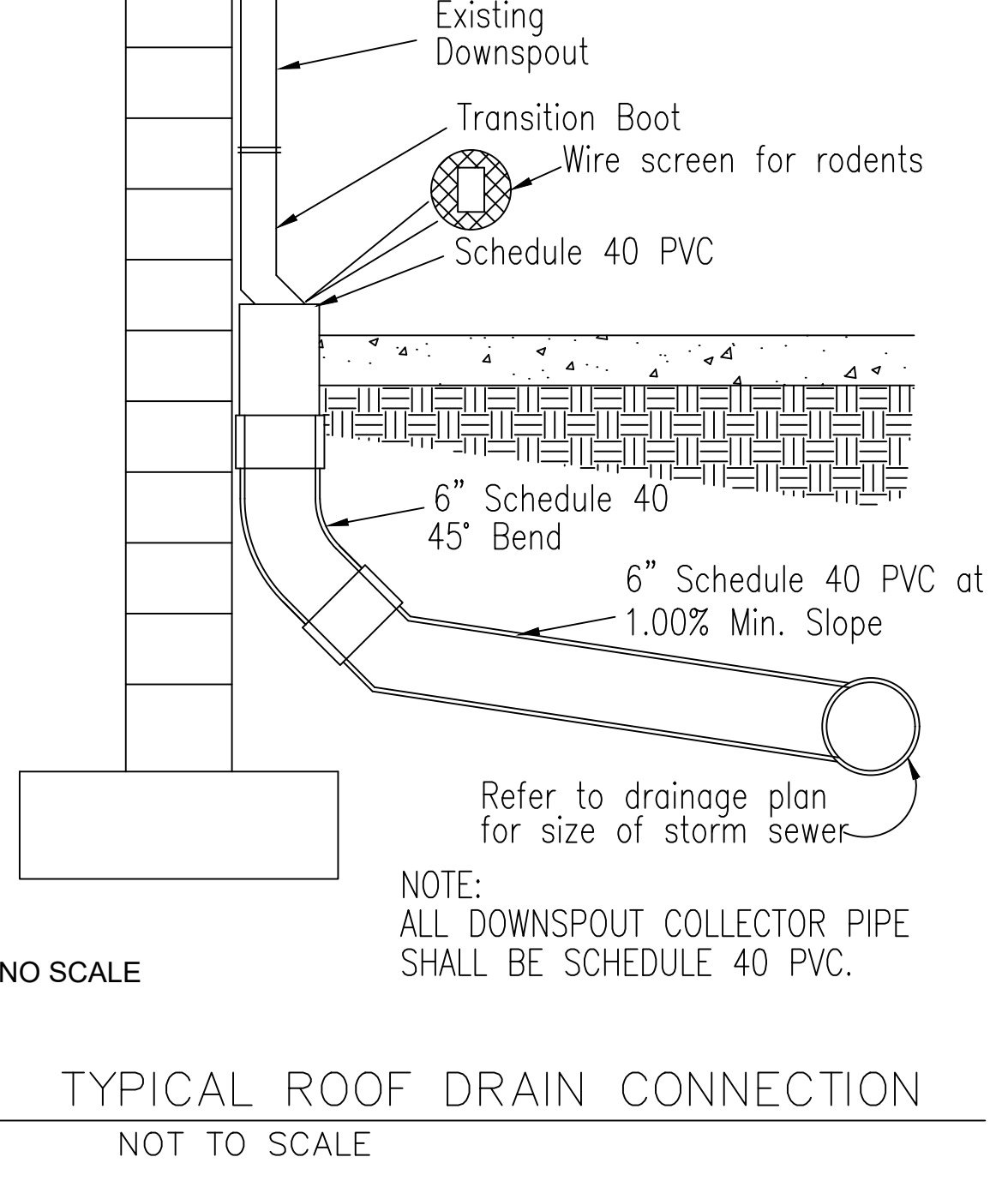
TABLE 1, RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
12"	17"
15"	17"
18"	17"
24"	17"
30"	17"
36"	17"
42"	17"
48"	17"
54"	17"
60"	17"
66"	17"
72"	17"

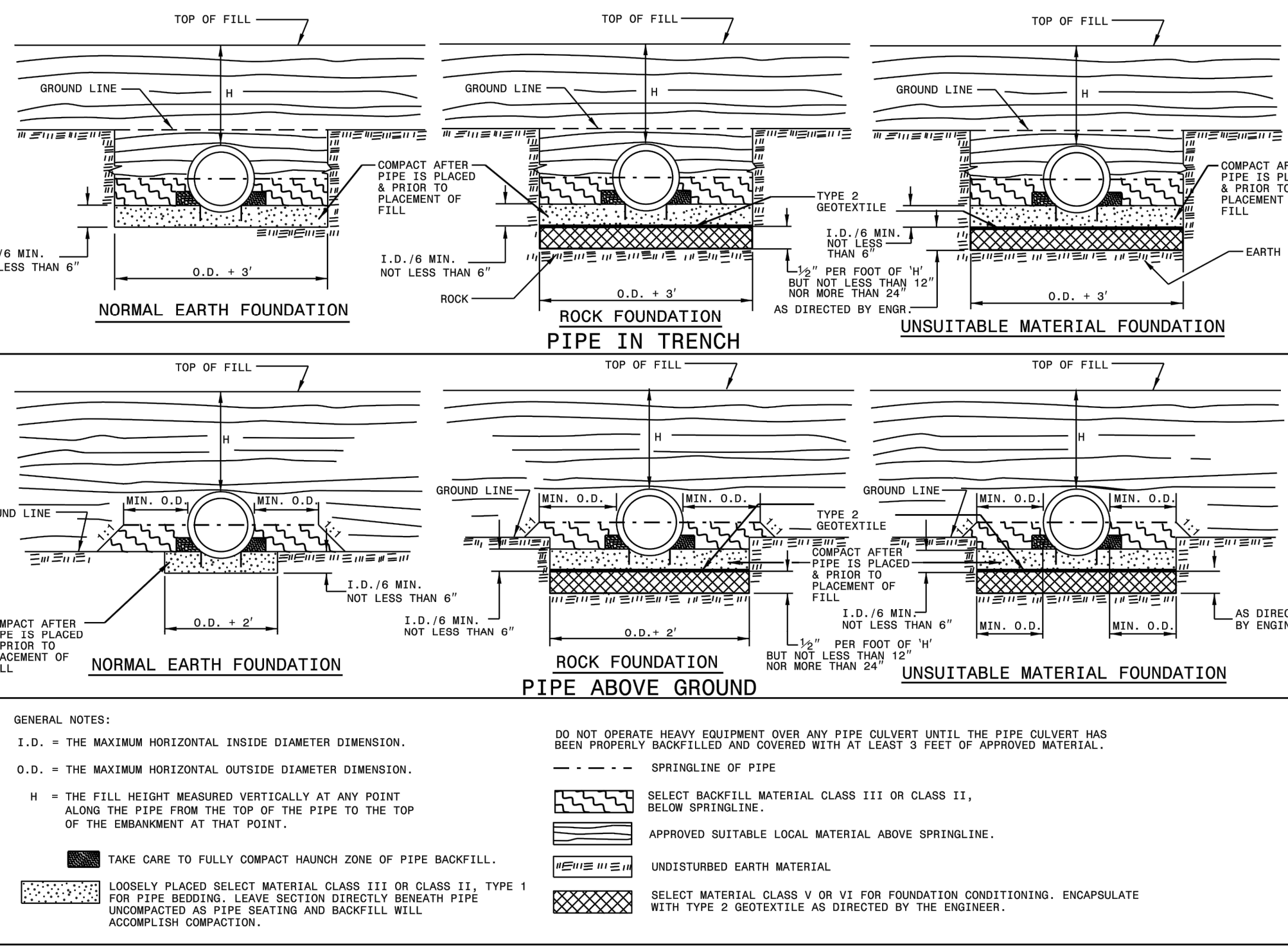
FILL HEIGHT TABLE GENERATED ASSUMING DRY CONDITIONS, OUTSIDE OF WATER TABLE. FOR INSTALLATION WITHIN THE WATER TABLE, CONTACT APPLICATIONS ENGINEERING.

- NOTES
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE PINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
  - SOIL CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D2321. CLASS IV(B) MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.
  - FOUNDATION WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
  - BEDDING SUITABLE MATERIAL SHALL BE CLASS I. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).
  - BACKFILL FOR PIPES OUTSIDE OF PAVEMENT CLASS I MATERIAL TO BE USED FOR BACKFILL UP TO THE SPRINGLINE OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. CLASS I MATERIAL MUST BE COMPACTED IN 6" (200mm) LIFTS.
  - MINIMUM COVER MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS IS 12" (300mm) FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION.
  - SELECT NATIVE CLEAN BACKFILL SHALL BE WELL PLACED, MODERATELY COMPACTED (85% SPD) CLASS IV OR BETTER PER ASTM D2321 WITH NO FOREIGN DEBRIS INCLUDING ROCKS, LARGE CLUMPS ORGANIC MATERIAL, OR FROZEN MATERIAL.
  - HP STORM ALTERNATE TRENCH DETAIL ONLY APPLIES TO BACKFILL INSTALLATIONS IN NON-TRAFFIC APPLICATIONS PER TN 2.04A. ALTERNATE TRENCH USE MUST BE APPROVED BY DESIGN ENGINEER. DETAIL DOES NOT SUPERSEDE ADS STANDARD DETAIL STD-108.

HP STORM TRENCH INSTALLATION DETAIL  
N.T.S. KHA DETAIL NO: 03.101.R01



NOTE: ALL DOWNSPOUT COLLECTOR PIPE SHALL BE SCHEDULE 40 PVC.  
Refer to drainage plan for size of storm sewer.  
NO SCALE  
NOT TO SCALE



- GENERAL NOTES:
- I.D. = THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION.
  - O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION.
  - H = THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE PIPE TO THE TOP OF THE EMBANKMENT AT THAT POINT.
  - DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.
  - SELECT BACKFILL MATERIAL CLASS III OR CLASS II, BELOW SPRINGLINE.
  - APPROVED SUITABLE LOCAL MATERIAL ABOVE SPRINGLINE.
  - UNDISTURBED EARTH MATERIAL.
  - SELECT MATERIAL CLASS V OR VI FOR FOUNDATION CONDITIONING. ENCAPSULATE WITH TYPE 2 GEOTEXTILE AS DIRECTED BY THE ENGINEER.
  - DO NOT PLACE HEAVY LOADS ON PIPE UNTIL THE PIPE IS FULLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.
  - LOOSELY PLACED SELECT MATERIAL CLASS III OR CLASS II, TYPE I FOR PIPE BEDDING. LEAVE SECTION DIRECTLY BENEATH PIPE UNCOMPACTED AS PIPE SEATING AND BACKFILL WILL ACCOMPLISH COMPACTION.
  - TAKE CARE TO FULLY COMPACT HAUNCH ZONE OF PIPE BACKFILL.
  - COMPACT AFTER PIPE IS PLACED & PRIOR TO PLACEMENT OF FILL.
  - COMPACT AFTER PIPE IS PLACED & PRIOR TO PLACEMENT OF FILL.
  - I.D./6 MIN. NOT LESS THAN 6"
  - I.D./6 MIN. NOT LESS THAN 6"
  - I.D./6 MIN. NOT LESS THAN 6"
  - 1 1/2" PER FOOT OF 'H' BUT NOT LESS THAN 12" NOR MORE THAN 24"
  - AS DIRECTED BY ENGINEER

Round Corrugated Steel Pipe  
2 2/3 x 1/2 corrugation \*\*

Diameter (inches)	Minimum cover (inches)	Maximum Height of Cover (feet)
12	12	204 256
15	12	162 204
18	12	135 169 239
21	12	115 145 204
24	12	100 126 178
30	12	79 100 142
36	12	65 83 117 152
42	12	55 70 100 130 160
48	12	48 61 87 113 139
54	12	44 54 77 100 123
60	12	40 69 90 111
66	12	36 81 100
72	12	33 74 91
78	12	30 81
84	12	27 69

Round Corrugated Aluminum Pipe  
2 2/3 x 1/2 corrugation \*\*

Diameter (inches)	Minimum cover (inches)	Maximum Height of Cover (feet)
12	12	123 155 218 281 344
15	12	96 123 174 224 275
18	12	81 102 144 187 228
21	12	69 87 123 160 195
24	12	60 76 108 139 171
27	12	47 56 123 151
30	12	60 85 111 136
36	12	50 71 92 113
42	12	40 78 96
48	12	32 52 68 84
54	12	46 50 74
60	12	40 50 62
66	12	35 51
72	12	30 41

- HDPE  
\* (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"

- 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)
- \* FILL HEIGHT IS MEASURED FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE PAVEMENT STRUCTURE

- FLEXIBLE PIPE
- REFER TO THE FOLLOWING FOR PIPE SPECIFICATIONS  
CSP - AASHTO M36  
CAAP - AASHTO M196  
HDPE - 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
- 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

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

ROADWAY STANDARD DRAWING FOR  
METHOD OF PIPE INSTALLATION  
FILL HEIGHT TABLES

SHEET 3 OF 3  
300.01

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Call before you dig.

SCOOTER'S ROLESVILLE PREPARED FOR S&S JAVA ENTERPRISES ROLESVILLE, NC

KIMLEY-HORN & ASSOCIATES, INC.  
421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601  
PHONE: 919.677.2000 FAX: 919.677.2050

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

DATE: 03/01/2024  
JOB NO: 202401  
TOWN COMMENTS  
REVISIONS  
BY: JAA  
DATE: 01/02/2024  
IMDB

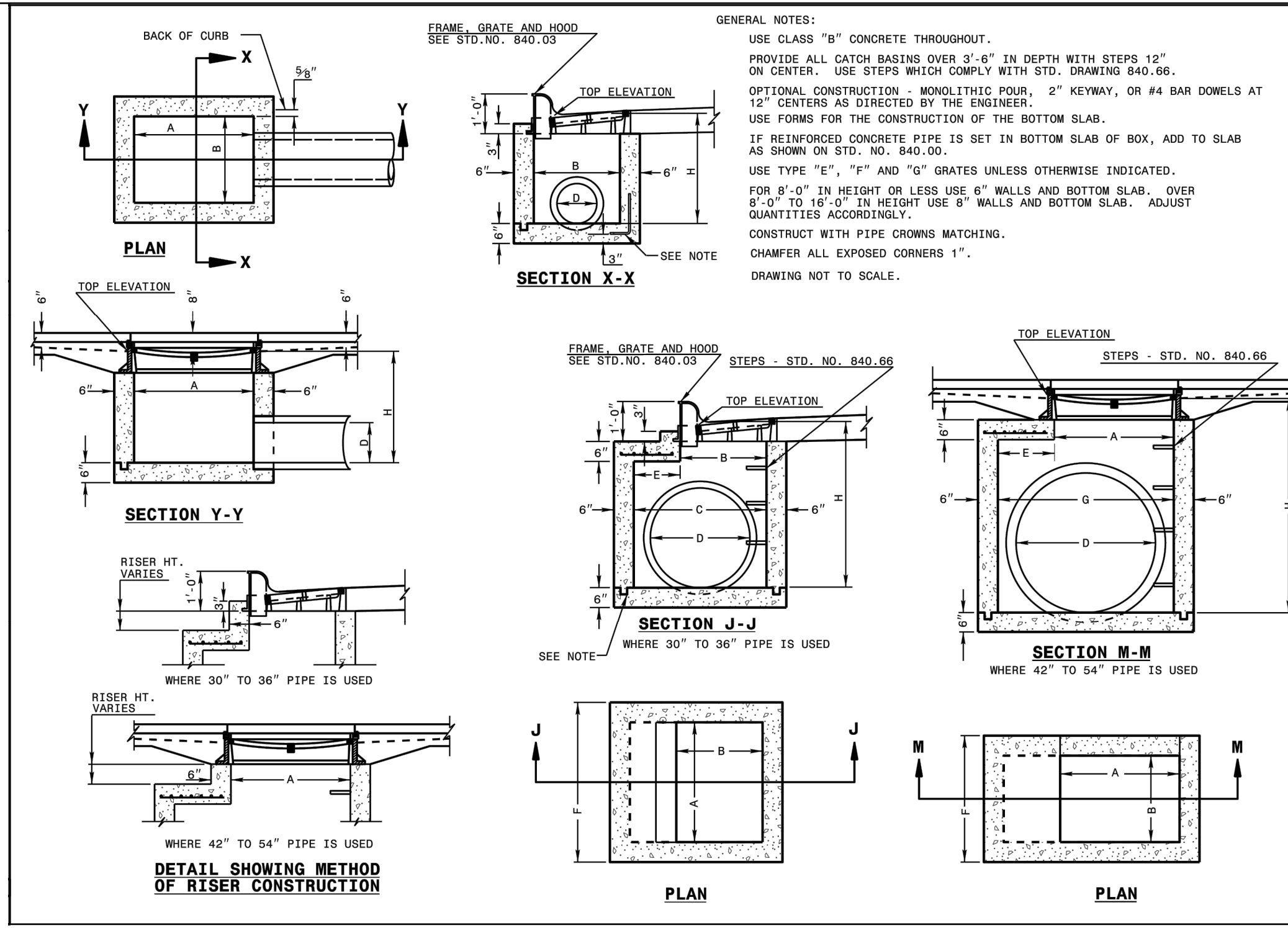
PROJECT NO: 016485000  
DATE: 10/31/2023  
SCALE: AS SHOWN  
DESIGNED BY: JAA  
DRAWN BY: JAA  
CHECKED BY: COE

STORM DETAILS

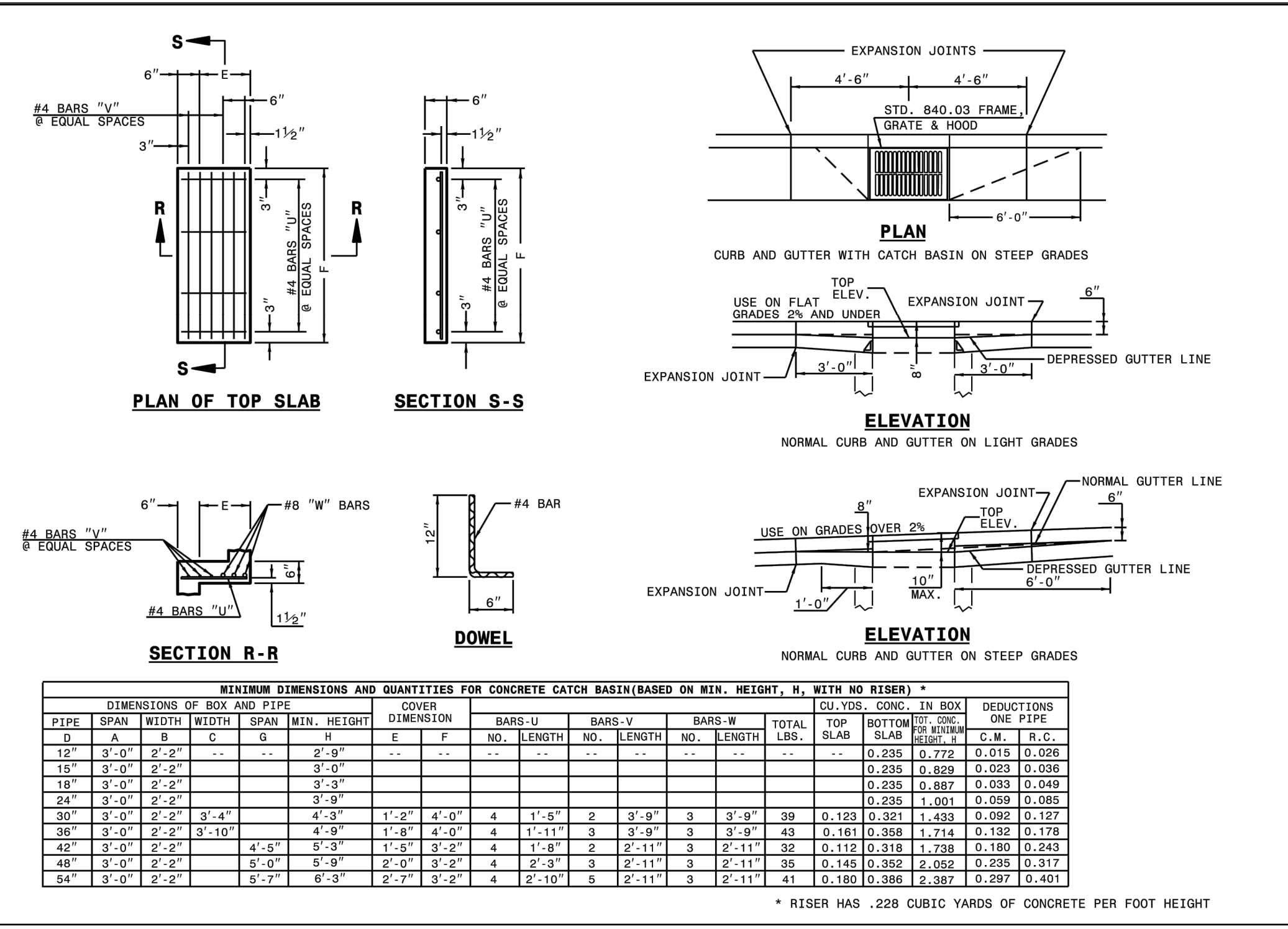
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SDP-23-09

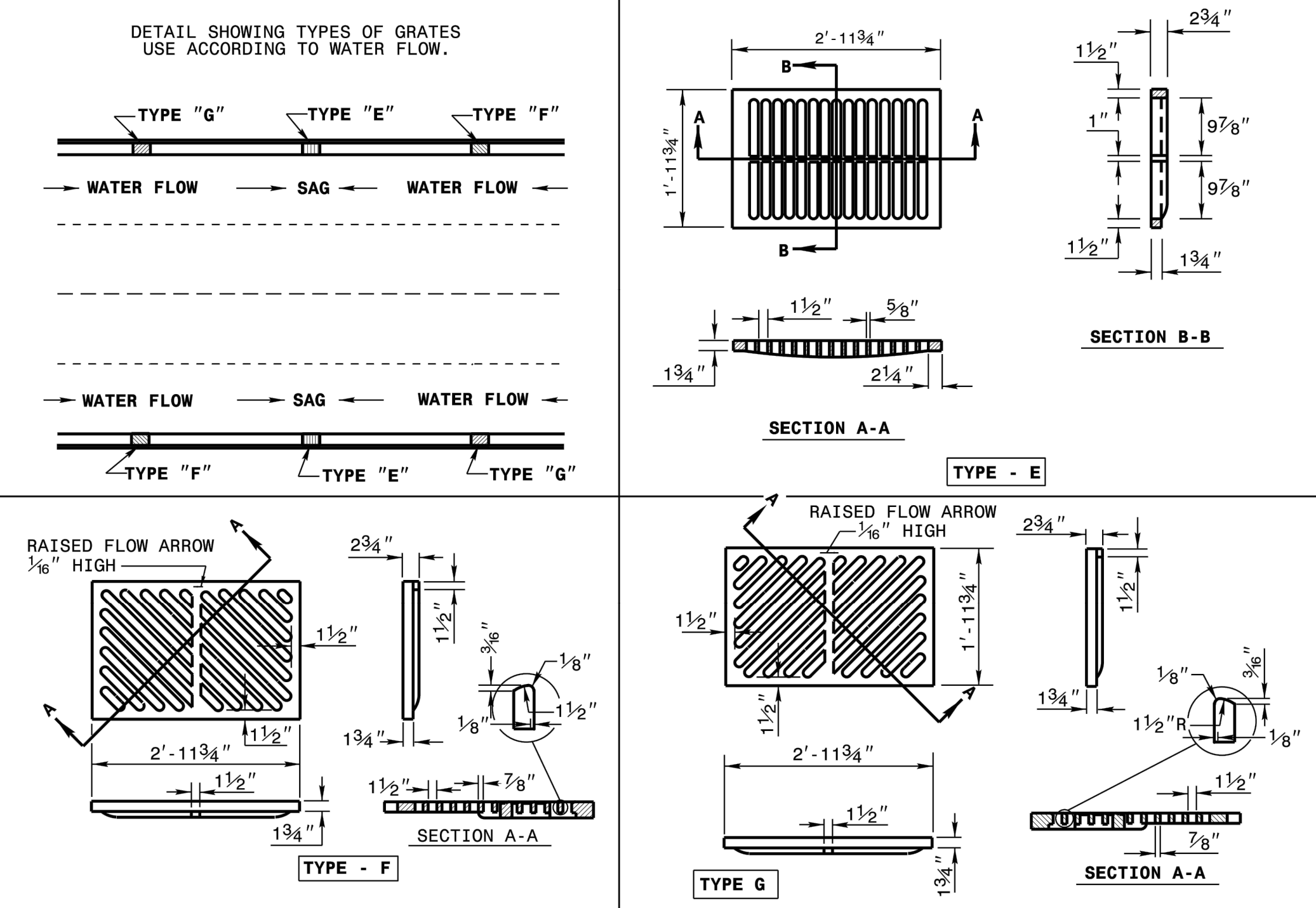
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STATE OF NORTH CAROLINA  
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 ROADWAY STANDARD DRAWING FOR  
**CONCRETE CATCH BASIN**  
 12" THRU 54" PIPE  
 SHEET 1 OF 2  
**840.02**



STATE OF NORTH CAROLINA  
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 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**

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SCOOTER'S ROLESVILLE  
 PREPARED FOR  
 S&S JAVA ENTERPRISES  
 ROLESVILLE, NC

STORM DETAILS

DATE: 10/31/2023  
 SCALE: AS SHOWN  
 DESIGNED BY: JAA  
 DRAWN BY: JAA  
 CHECKED BY: COE

PROJECT NO: 016485000  
 DATE: 10/31/2023  
 SCALE: AS SHOWN  
 DESIGNED BY: JAA  
 DRAWN BY: JAA  
 CHECKED BY: COE

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

NO. 1 2 3 4 5 6 7

REVISIONS

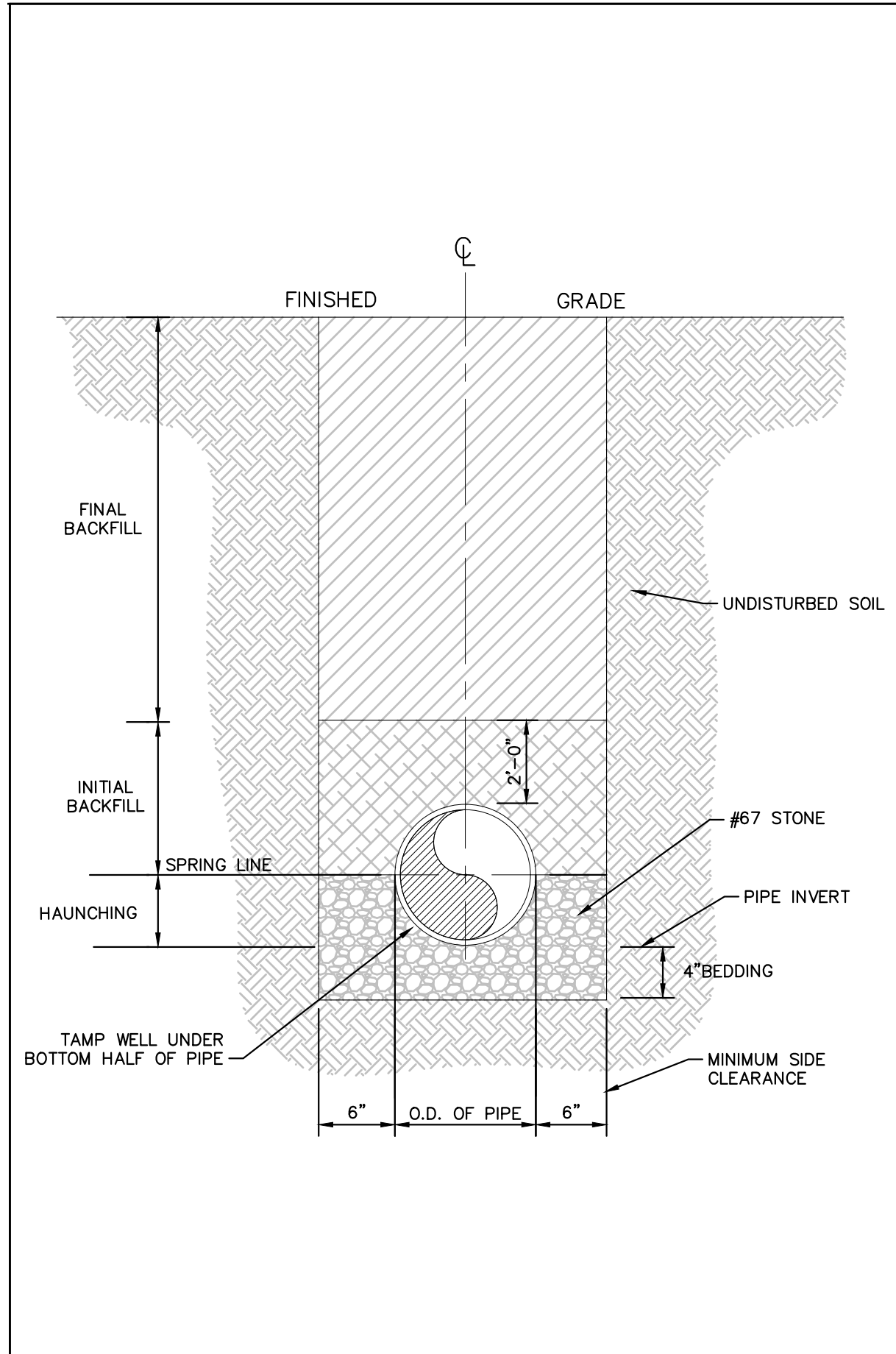
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 TOWN COMMENTS: 01/02/2024 IMDB

DATE

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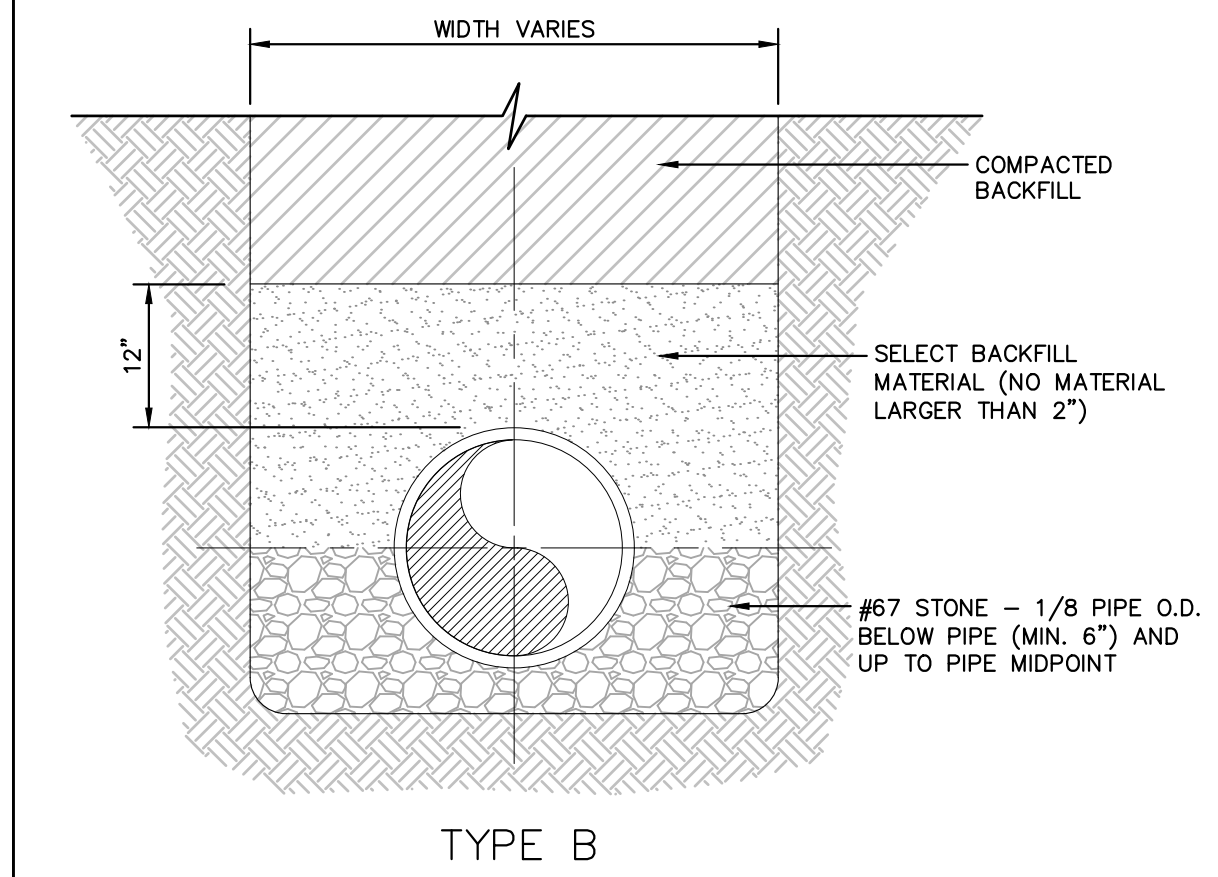


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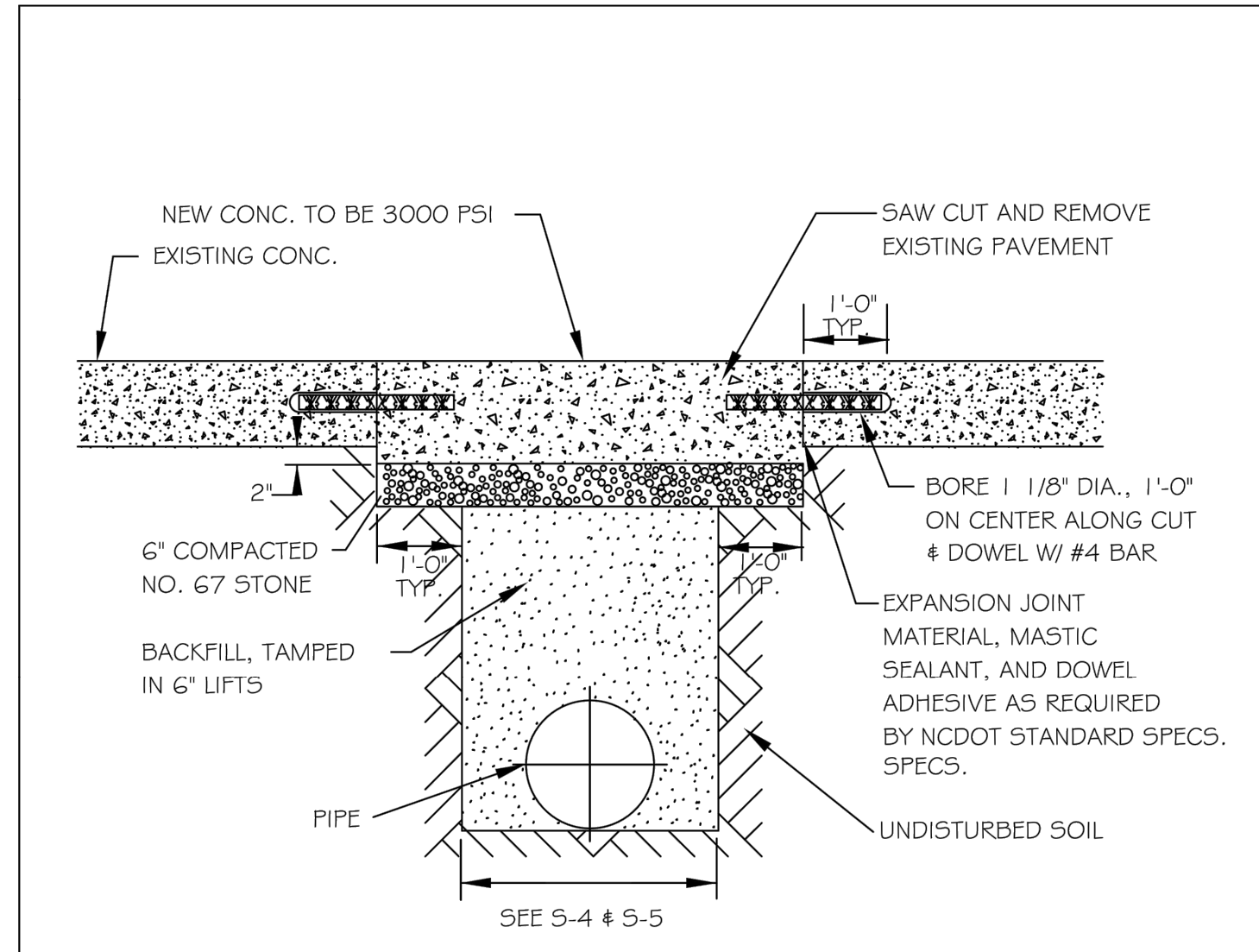


- NOTES:**
- FOR TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING.
  - NO ROCKS OR BOULDERS 4" OR LARGER TO BE USED IN INITIAL BACKFILL.
  - ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL.
  - BACKFILL SHALL BE TAMPED IN 6" LIFTS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

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

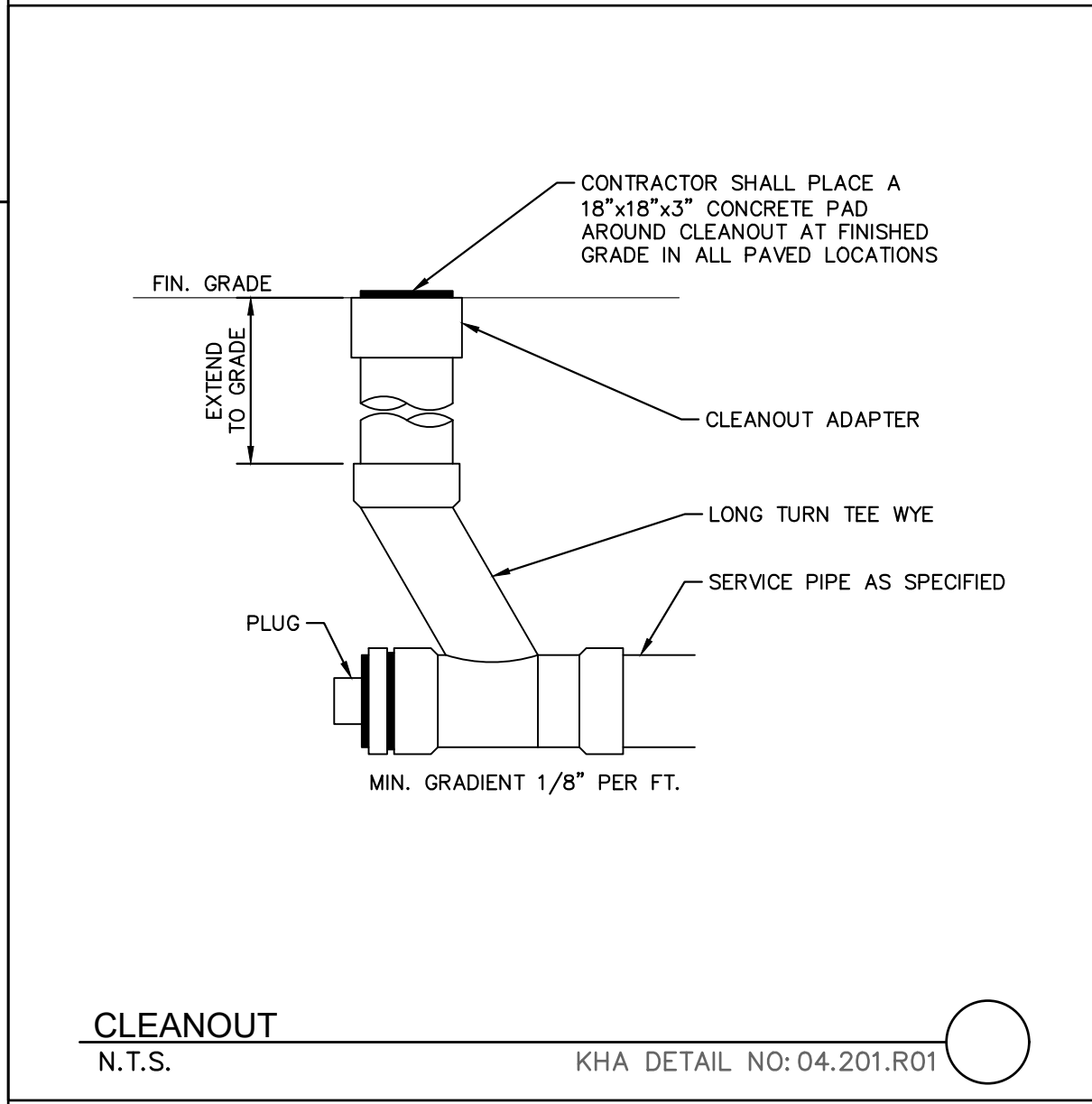


**BACKFILL SECTION**  
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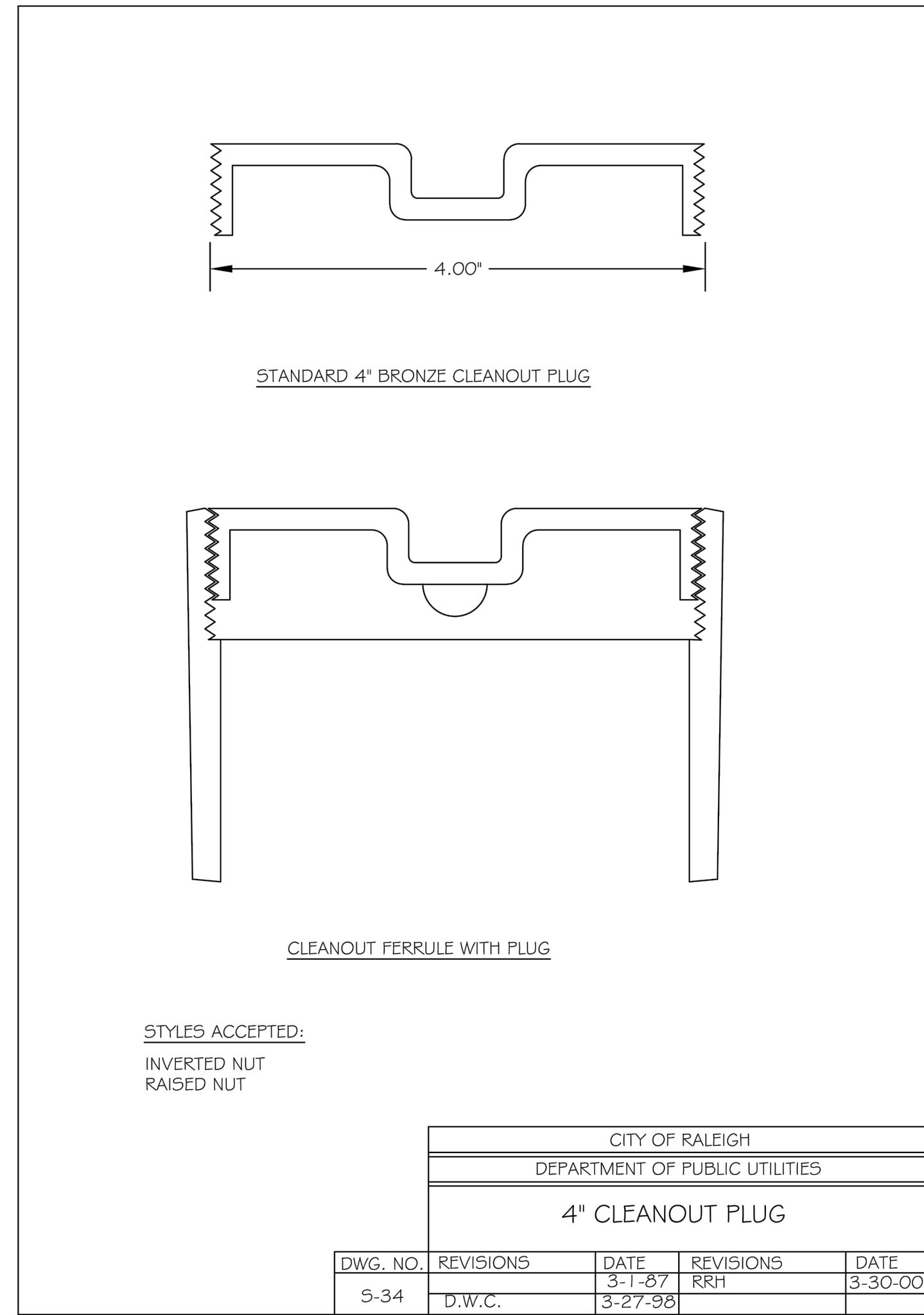


- NOTES:**
- See City of Raleigh standards for trenches and pipe bedding (5-4 & 5-5) for additional details.
  - Pavement cuts over 5'-0" in width shall be reinforced to N.C.D.O.T. standards.
  - Pavement cuts shall be made with an appropriate saw cut machine.
  - Pavement cuts within NCDOT ROW shall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



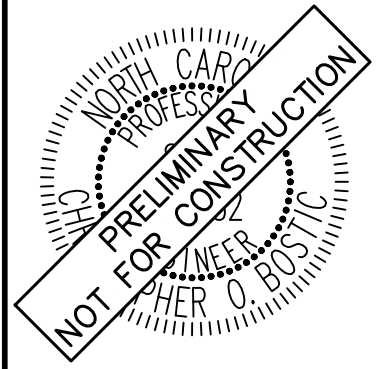
**CLEANOUT**  
 N.T.S. KHA DETAIL NO: 04.201.R01



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7				
6				
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2	TOWN COMMENTS	JAA	03/01/2024	JAA
1	TOWN COMMENTS	JAA	01/02/2024	IMDE
	REVISIONS			DATE
				BY

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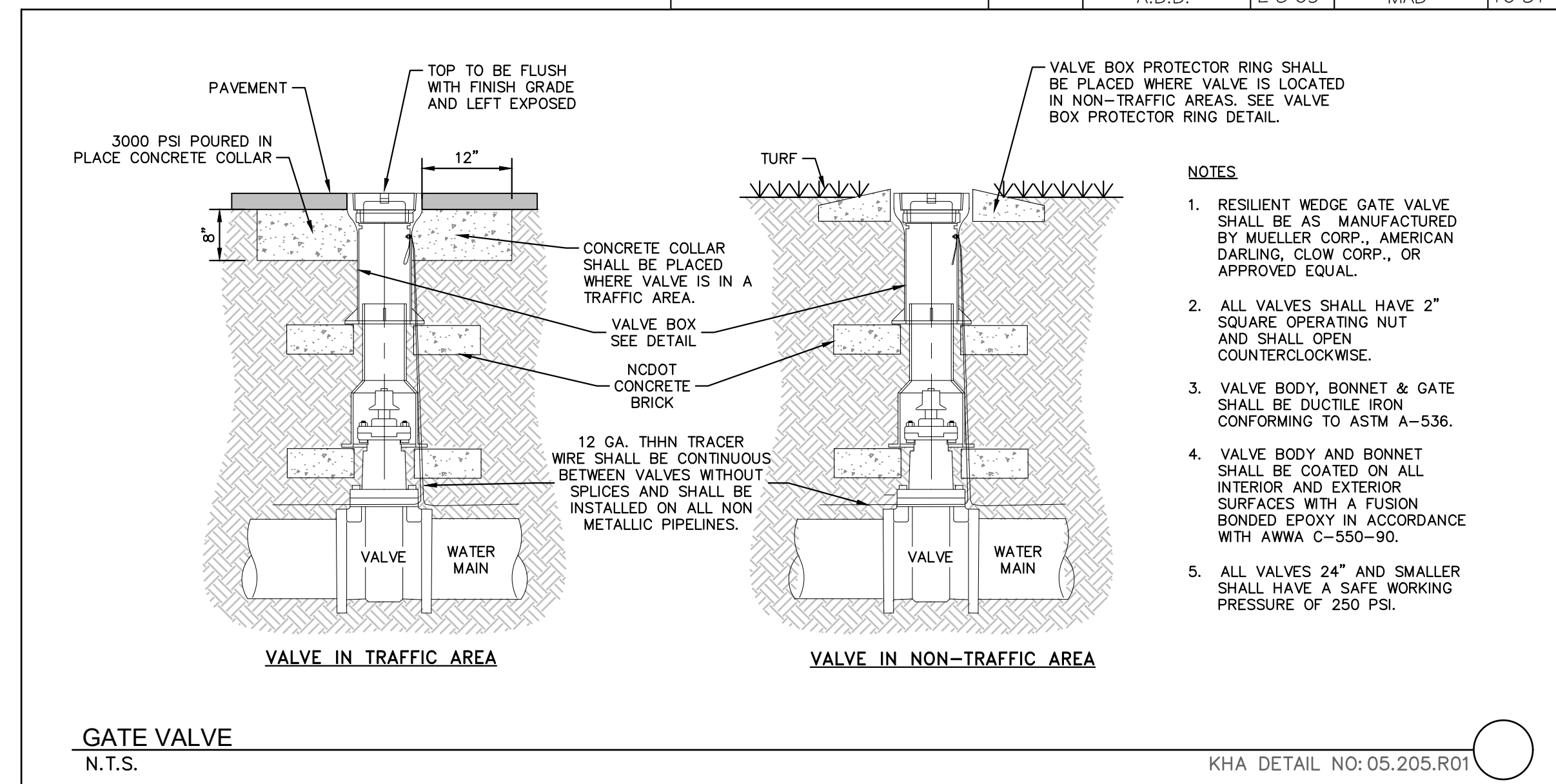
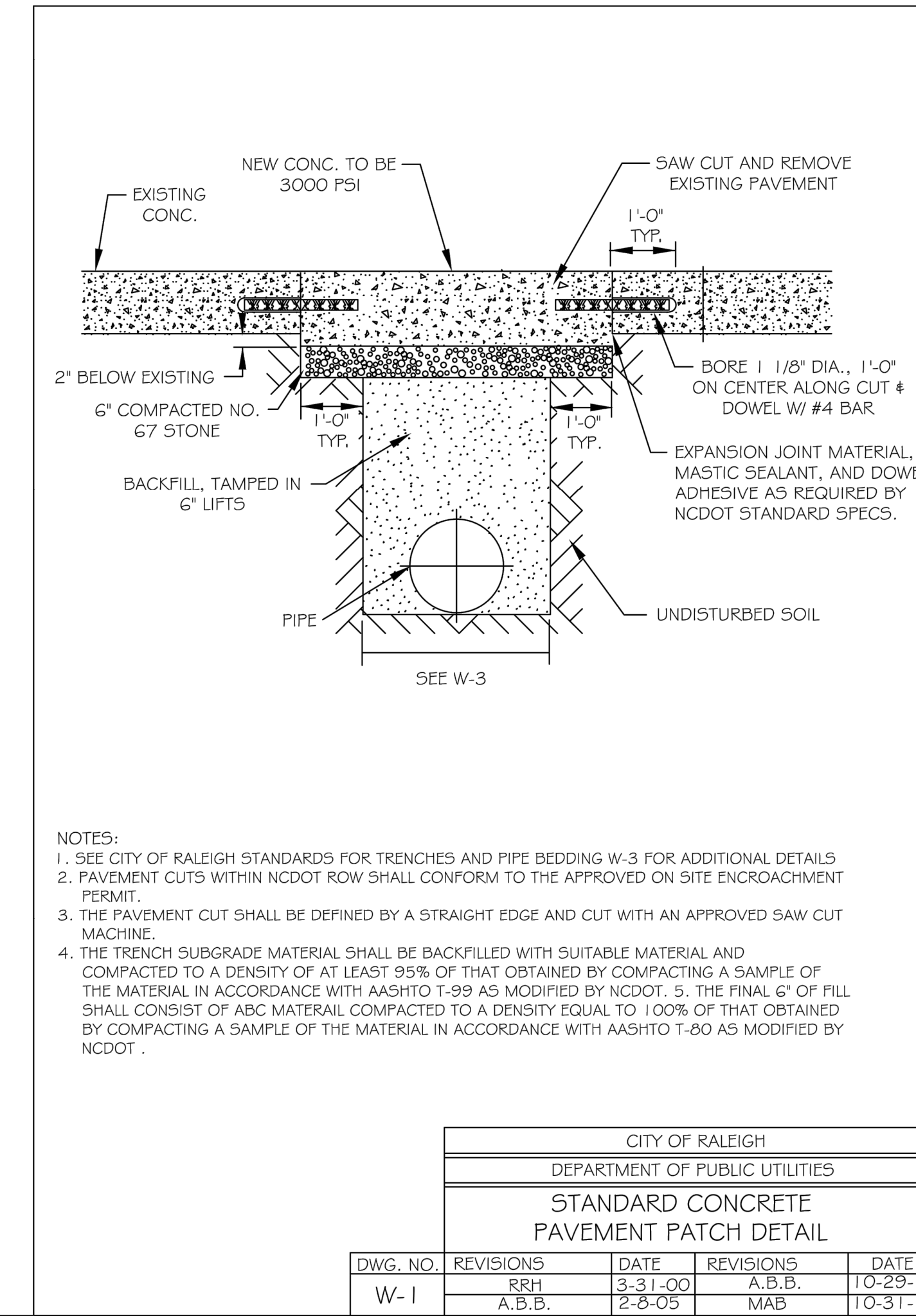
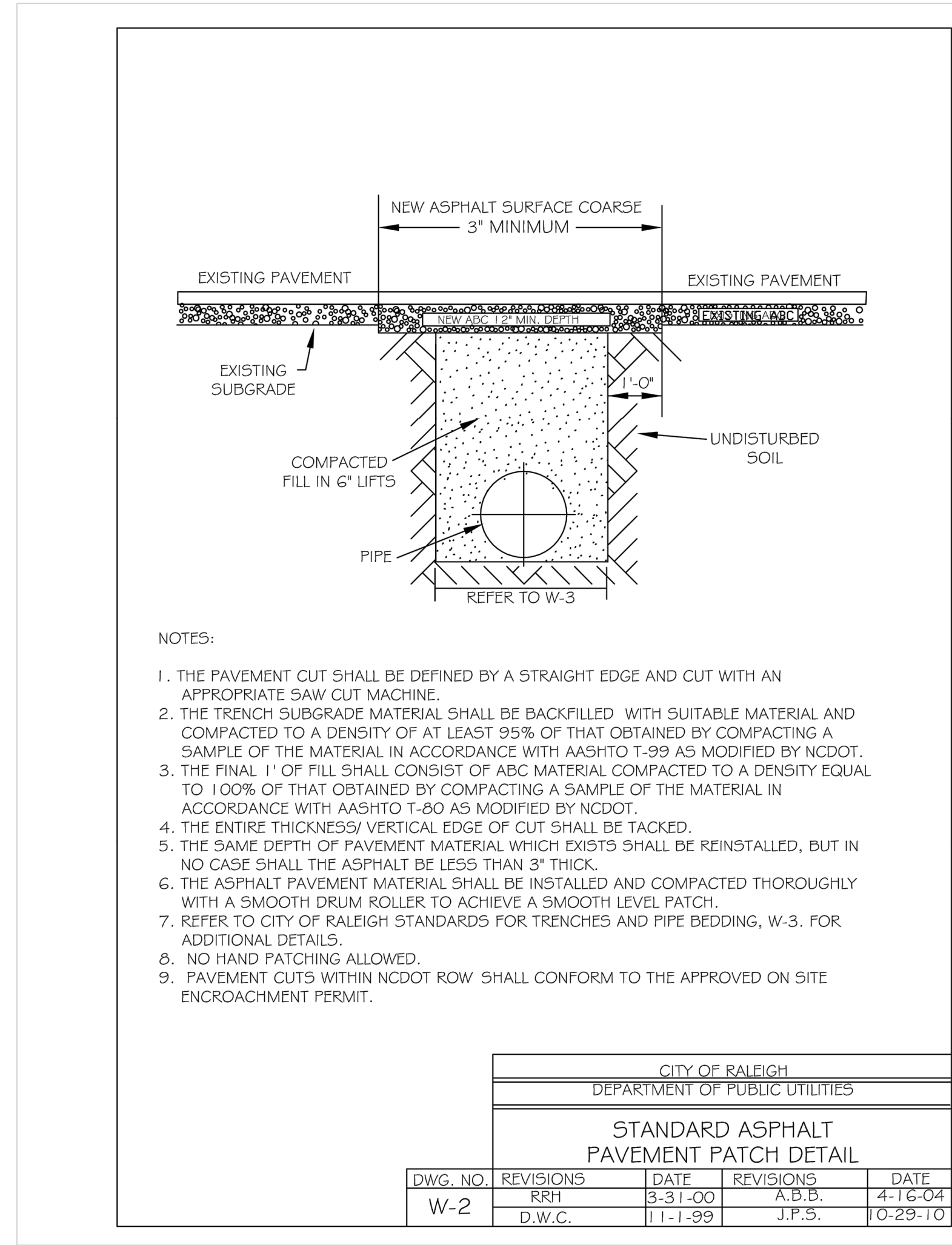
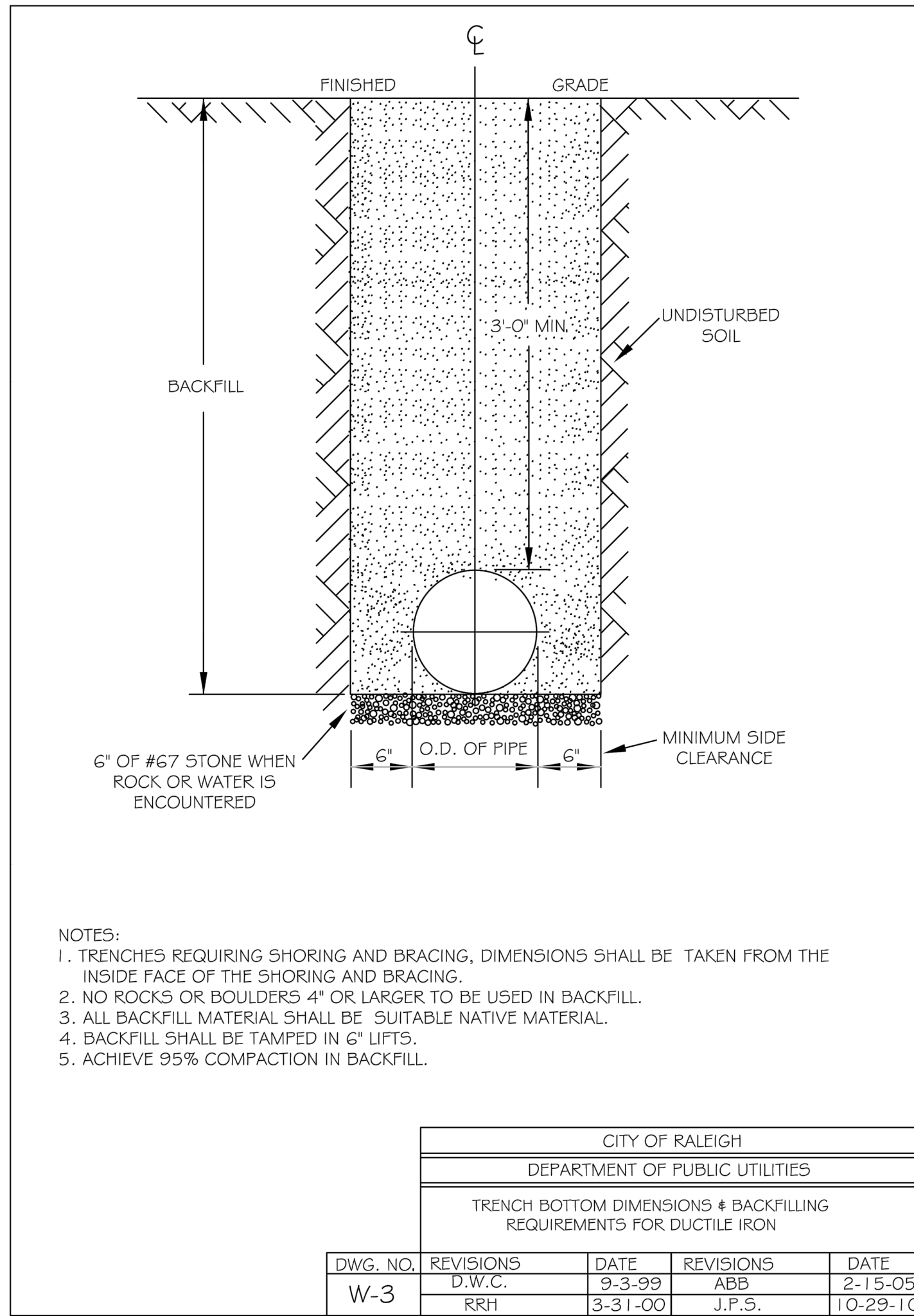
KHA PROJECT	016485000
DATE	10/31/2023
SCALE	AS SHOWN
DESIGNED BY	JAA
DRAWN BY	JAA
CHECKED BY	COB

**SANITARY SEWER DETAILS**

**SCOOTER'S ROLESVILLE**  
 PREPARED FOR  
**S&S JAVA ENTERPRISES**  
 ROLESVILLE, NC



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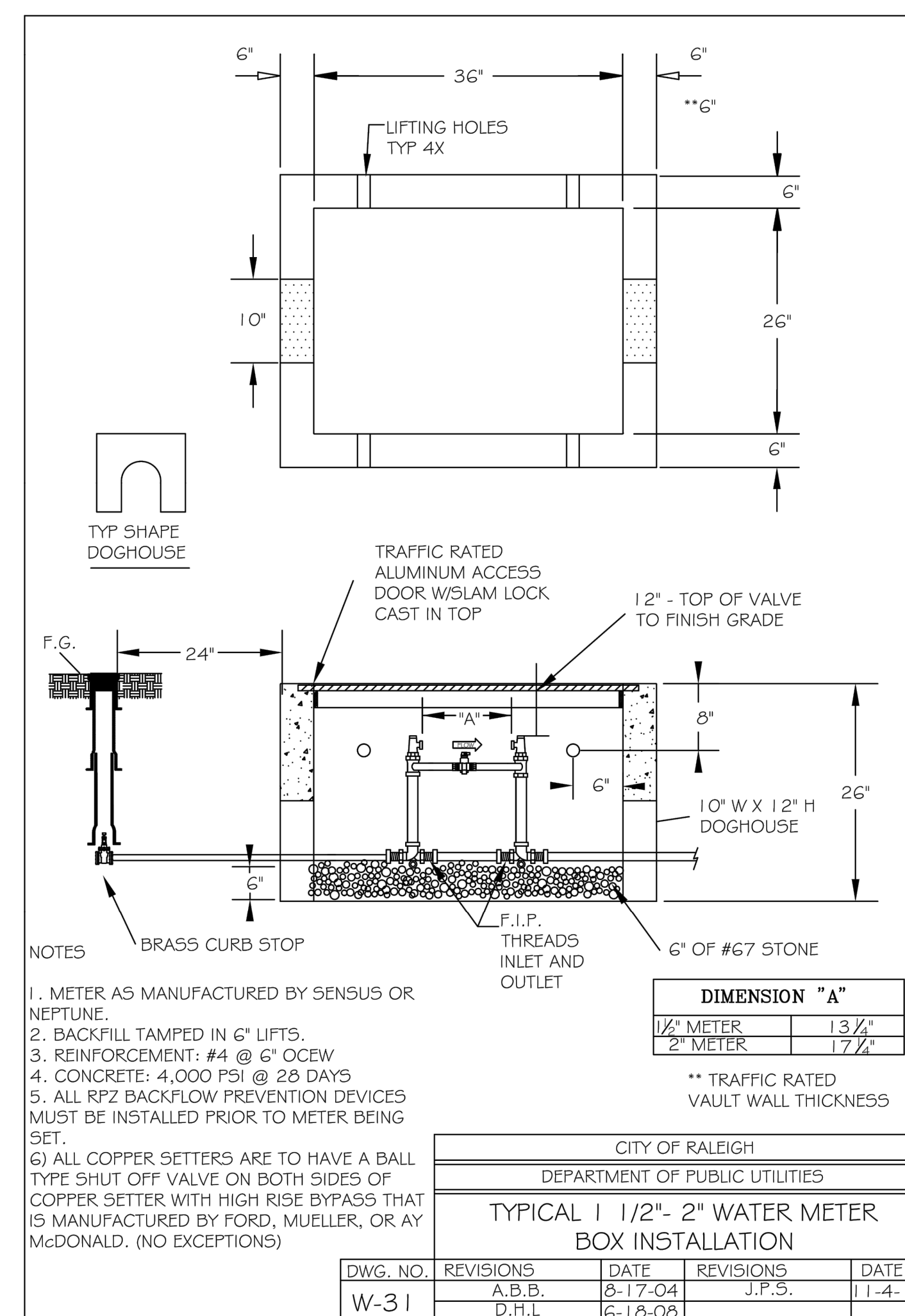
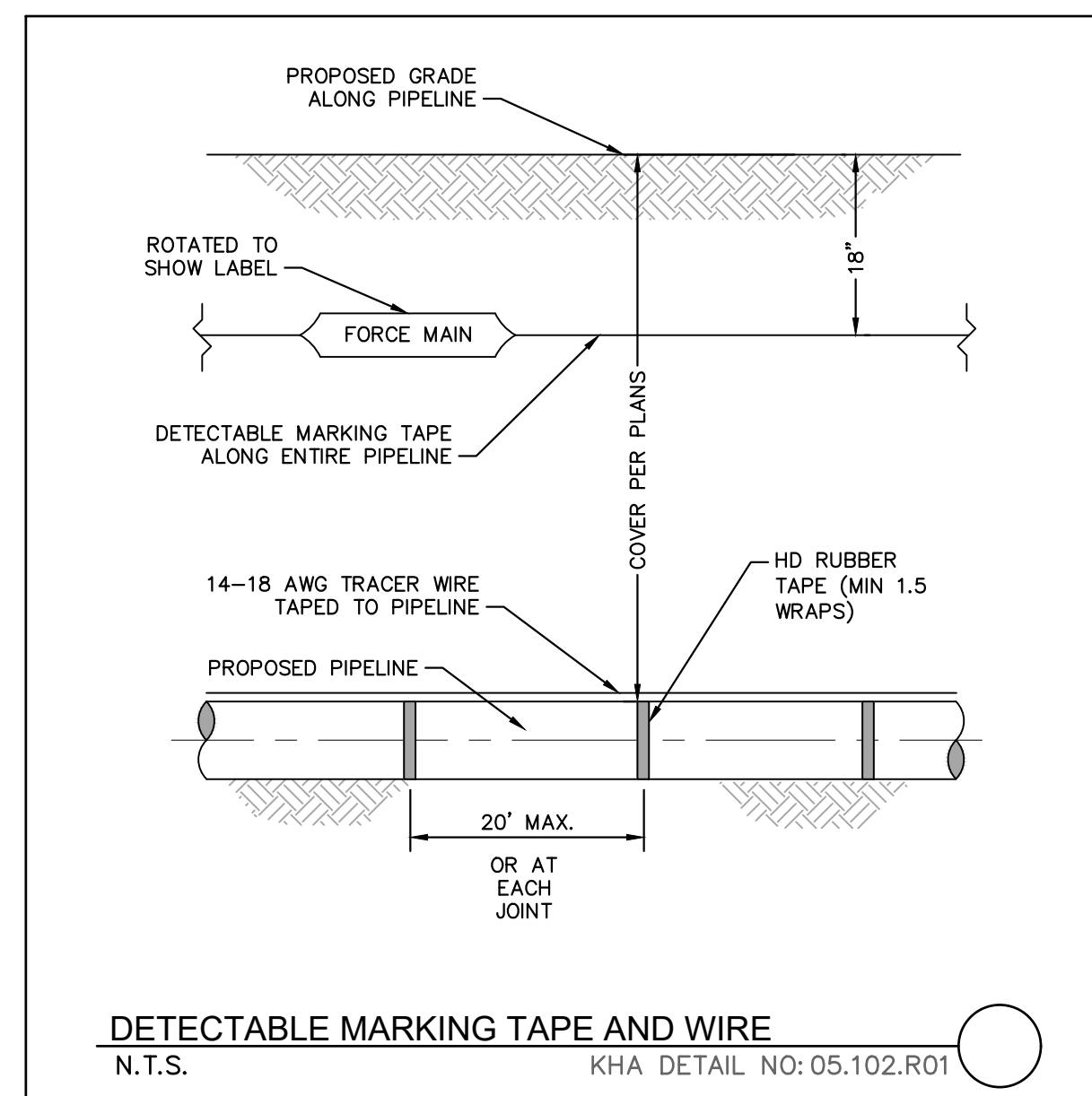
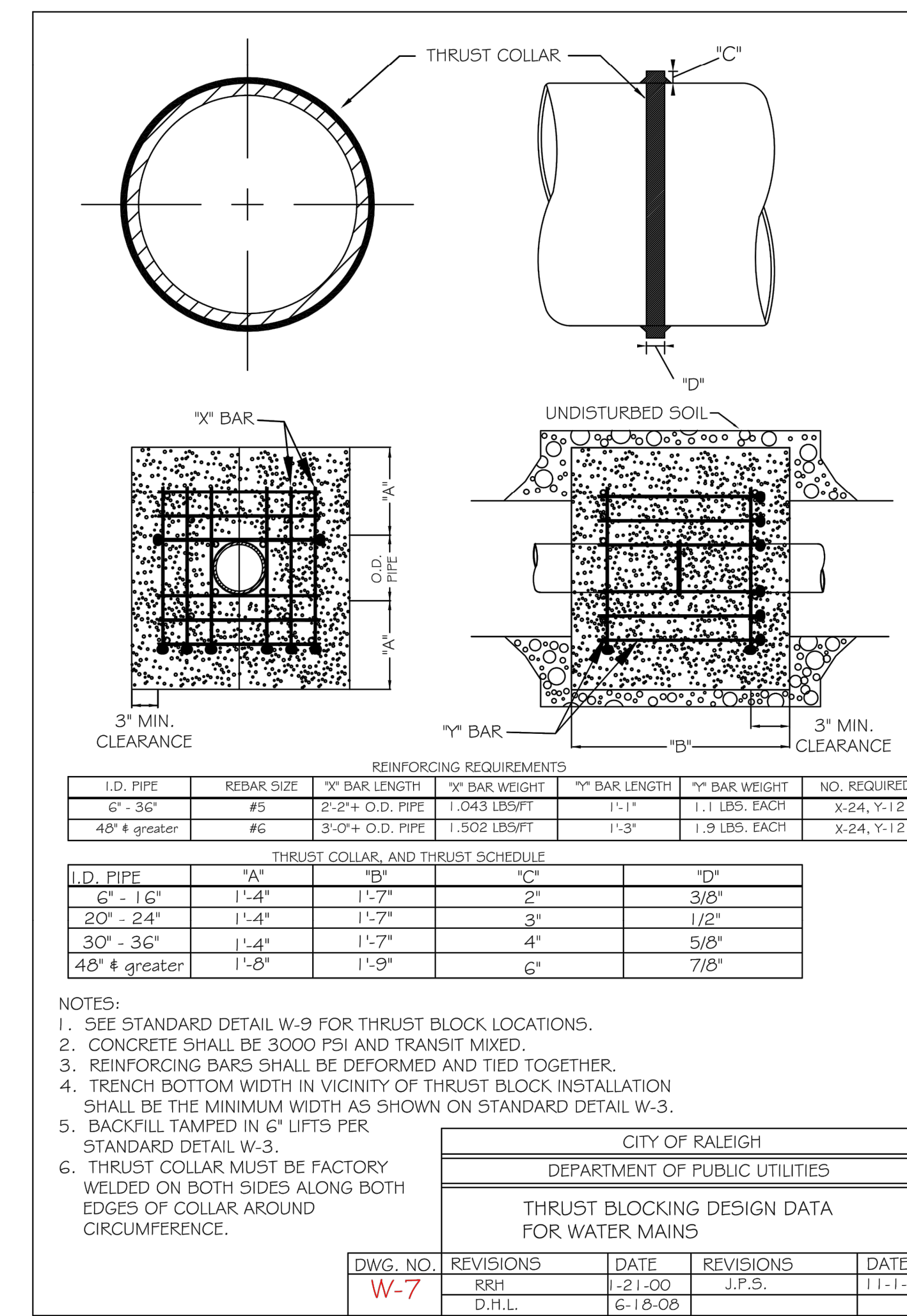
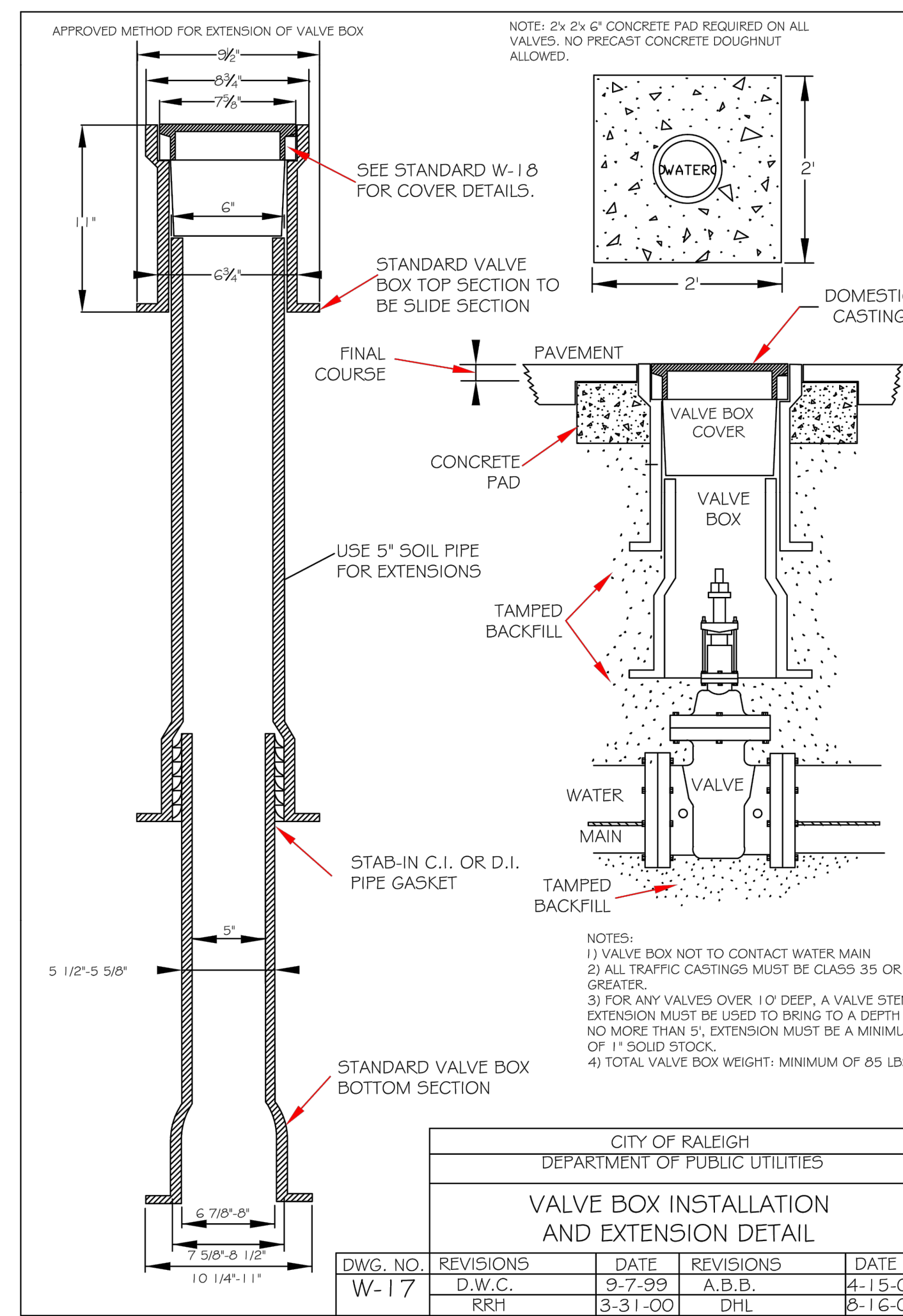
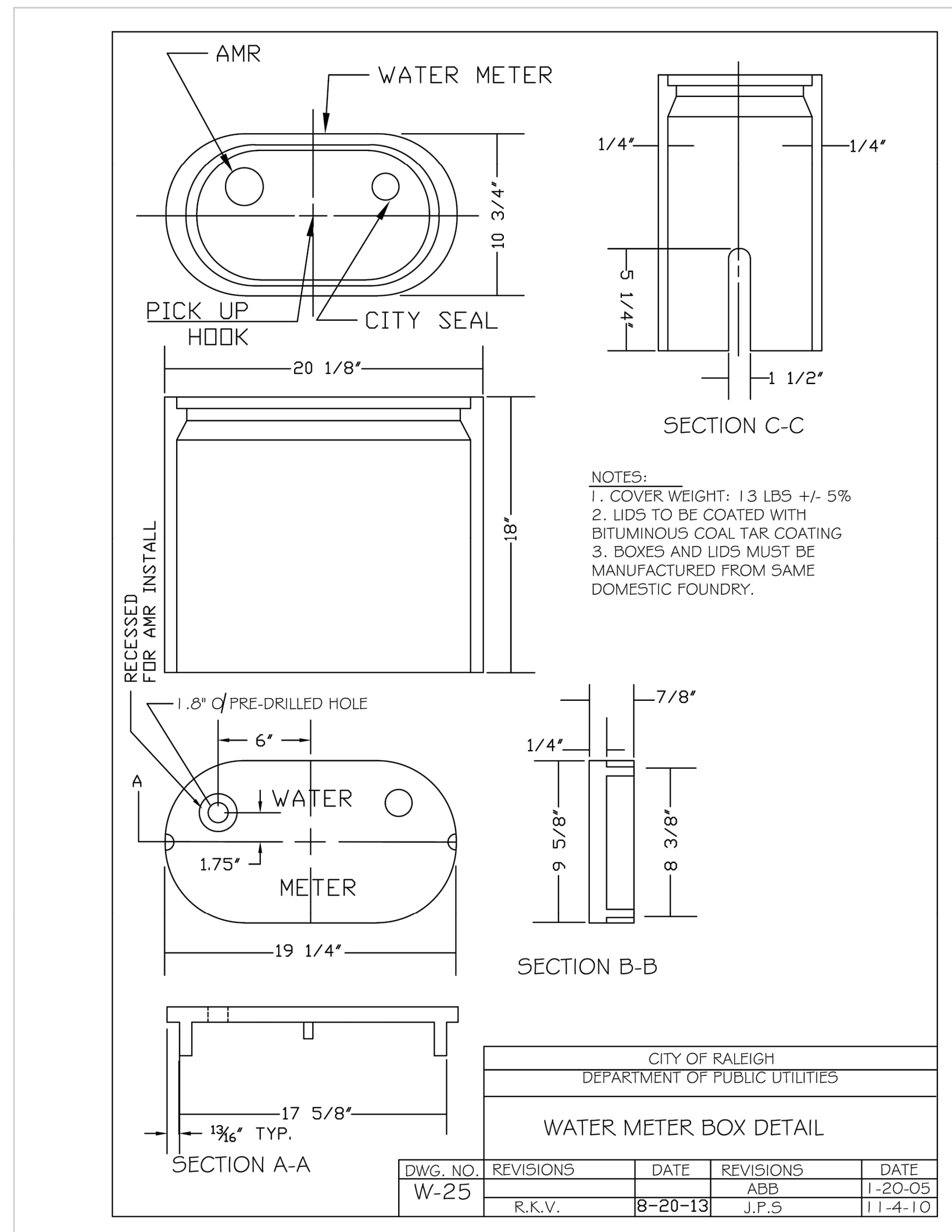
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SDP-23-09

KHA PROJECT 016485000		DATE 10/31/2023		SCALE AS SHOWN		DESIGNED BY JAA		DRAWN BY JAA		CHECKED BY COB	
						KIMLEY-HORN		TOWN COMMENTS		REVISIONS	
						TOWN COMMENTS		REVISIONS			
SCOOTER'S ROLESVILLE		PREPARED FOR		S&S JAVA ENTERPRISES		ROLESVILLE		SHEET NUMBER		C11.0	
KIMLEY-HORN		TOWN COMMENTS		REVISIONS		DATE		BY			

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**NOT FOR CONSTRUCTION**

**WATER DETAILS**

**SCOOTER'S ROLESVILLE**  
 PREPARED FOR  
**S&S JAVA ENTERPRISES**  
 ROLESVILLE, NC

NO.	REVISIONS	DATE	BY
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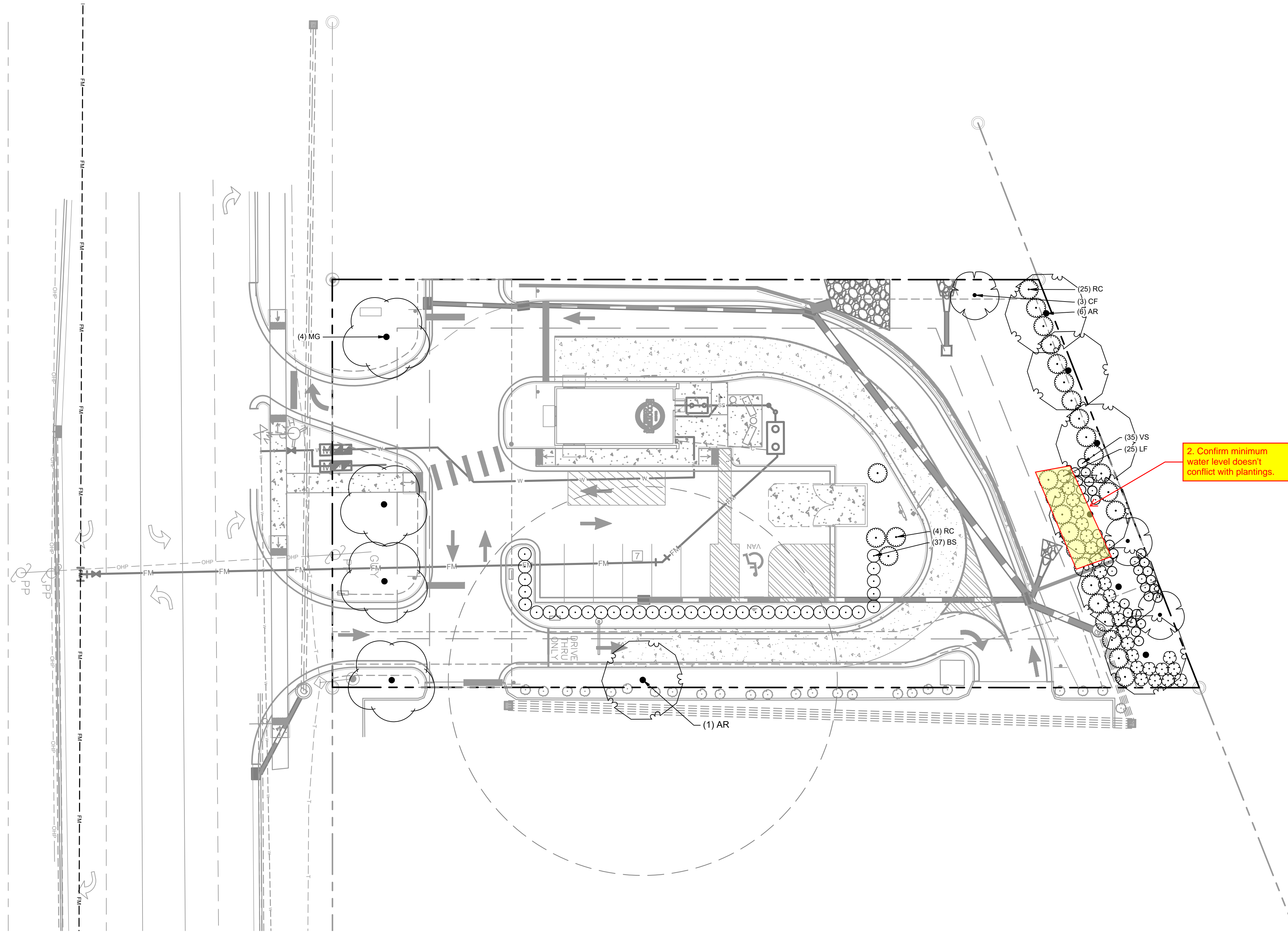
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	R.K.V.	8-20-13	J.P.S.	11-4-10

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
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	D.W.C.	9-7-99	A.B.B.	4-15-04
	RRH	3-31-00	DHL	8-16-07

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
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	RRH	1-21-00	J.P.S.	11-1-10
	D.H.L.	6-18-08		

DWG. NO.	REVISIONS	DATE	REVISIONS	DATE
W-31				
	A.B.B.	8-17-04	J.P.S.	11-4-10
	D.H.L.	6-18-08		

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2. Confirm minimum water level doesn't conflict with plantings.

**LANDSCAPE NOTES:**

- ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 3" OF TOPSOIL. DO NOT MOUND MULCH AGAINST ROOT FLARES.
- ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
- ALL MATERIALS 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 PLANTING AREAS SHALL BE COMPLETELY MULCHED AS SPECIFIED.
- ANY DISTURBED GRASS AREA IS TO BE REPLANTED. ALL SLOPES 3:1 OR GREATER SHALL BE SEEDED WITH SLOPE MASTER NO-MOW MIX OR OWNER APPROVED EQUAL.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA 2) TO PROTECT OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE WARRANTY PERIOD.
- ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR WARRANTY PERIOD. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES, AND SHALL BE STATE STANDARD OR BETTER.
- ALL INVASIVE / EXOTIC SPECIES AND PROHIBITED TREE SPECIES SHALL BE REMOVED FROM SITE, INCLUDING ROOT BALLS TO THE EXTENT POSSIBLE WITH NO DAMAGE TO ADJACENT EXISTING TREES.
- CONTRACTOR TO DESIGN BUILD SYSTEM AND VERIFY ALL PRODUCTS WITH LANDSCAPE ARCHITECT.
- TREE SUPPORT MATERIALS ARE TO BE REMOVED FROM EACH TREE ONCE IT IS "ESTABLISHED" (AS APPROVED BY THE LANDSCAPE ARCHITECT).
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL UTILITIES ARE ADEQUATELY SCREENED WITH THE REQUIRED PLANTING MATERIAL AND VERIFY PLANT SPECIES WITH LANDSCAPE ARCHITECT.
- ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION.

**LANDSCAPE REQUIREMENTS**

PERIMETER BUFFER REQUIREMENTS 6.2.2.1		
Type 3 Perimeter Buffer: 136 lf	Required	Provided
Width	25 feet	Provided
Canopy Trees	4 canopy trees per 100 linear feet = 6 canopy trees	6 Canopy Trees
Understory Trees	2 understory trees per 100 linear feet = 3 understory trees	3 Understory Trees
Shrubs	60 shrubs per 100 linear feet = 82 shrubs	83 shrubs
STREET BUFFER 6.2.2.2		
Street Buffer: 126 lf	Required	Provided
Width	30 feet	Provided
Street Tree	1 per 40 linear feet = 4 street trees	4 Street Trees
PARKING LANDSCAPING 6.2.4.4		
Parking Perimeter	Required	Provided
Shrubs	Continuous row of shrubs within 5 feet of the parking lot edge	Provided

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

**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.

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL	HEIGHT
<b>PERIMETER BUFFER TREES</b>							
	CF	3	CORNUS FLORIDA	FLOWERING DOGWOOD	5 GAL	2" CAL. MIN	8' MIN.
	MG	4	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	5 GAL	3" CAL.	10-12' MIN
<b>STREET BUFFER TREES</b>							
	AR	7	ACER RUBRUM	RED MAPLE	5 GAL	3" CAL.	10-12' MIN
<b>PERIMETER BUFFER SHRUBS</b>							
	LF	26	LEUCOTHOE FONTANESIANA	DROOPING LEUCOTHOE	5 GAL	24" HT.	
	RC	29	RHODODENDRON CATAWBIENSE	MOUNTAIN ROSEBAY	5 GAL	24" HT.	
	VS	35	ITEA VIRGINICA	VIRGINIA SWEETSPIRE	5 GAL	24" HT.	
<b>PARKING PERIMETER SHRUBS</b>							
	BS	37	BUXUS SEMPERVIRENS	COMMON BOXWOOD	5 GAL	24" HT.	



SDP-23-09

**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

TOWN COMMENTS: 03/01/2024 JAA  
 TOWN COMMENTS: 01/02/2024 IMDE  
 REVISIONS: DATE BY

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3  
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No

KHA PROJECT: 016485000  
 DATE: 10/31/2023  
 SCALE: AS SHOWN  
 DESIGNED BY: JAA  
 DRAWN BY: JAA  
 CHECKED BY: COB

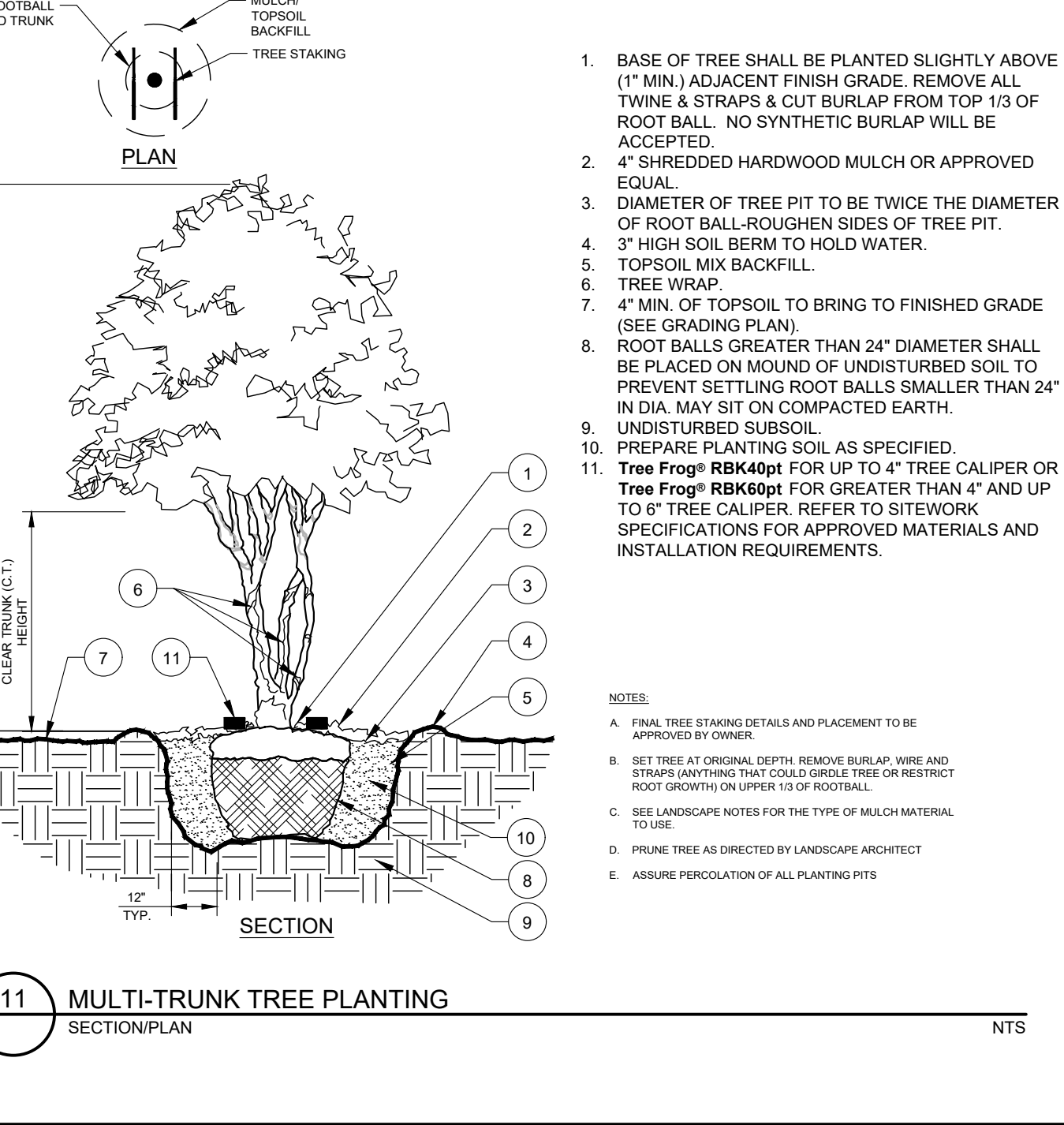
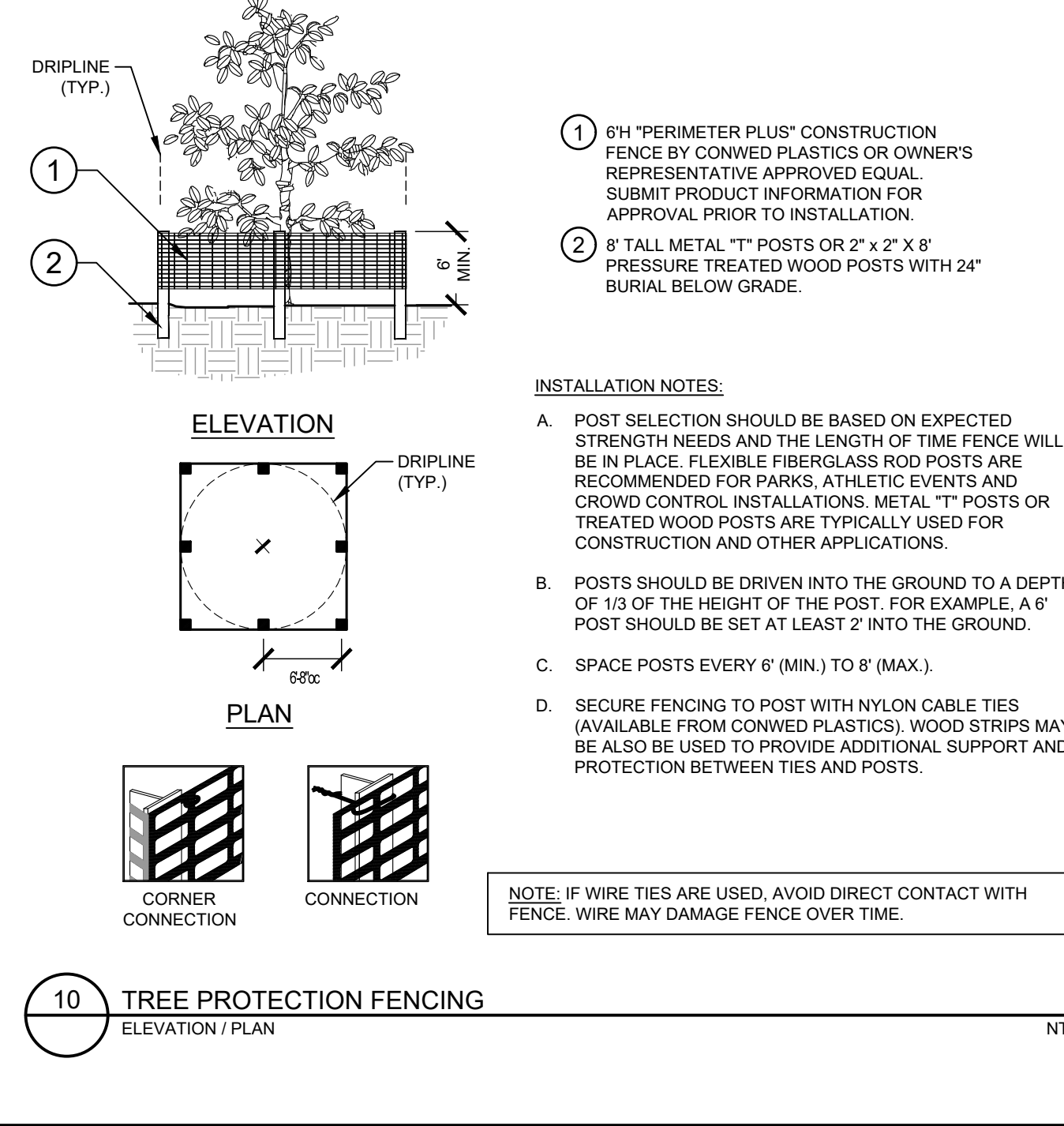
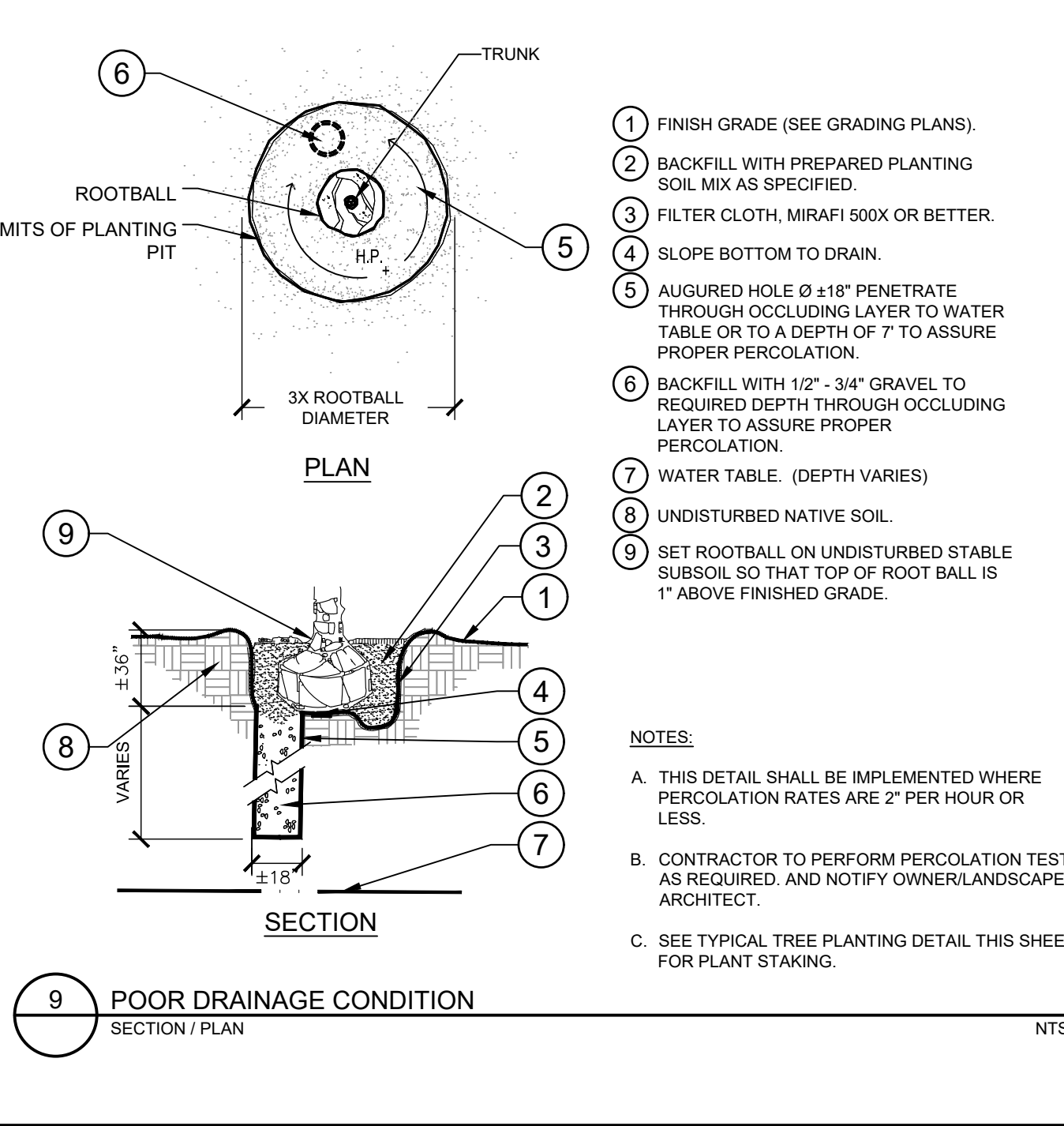
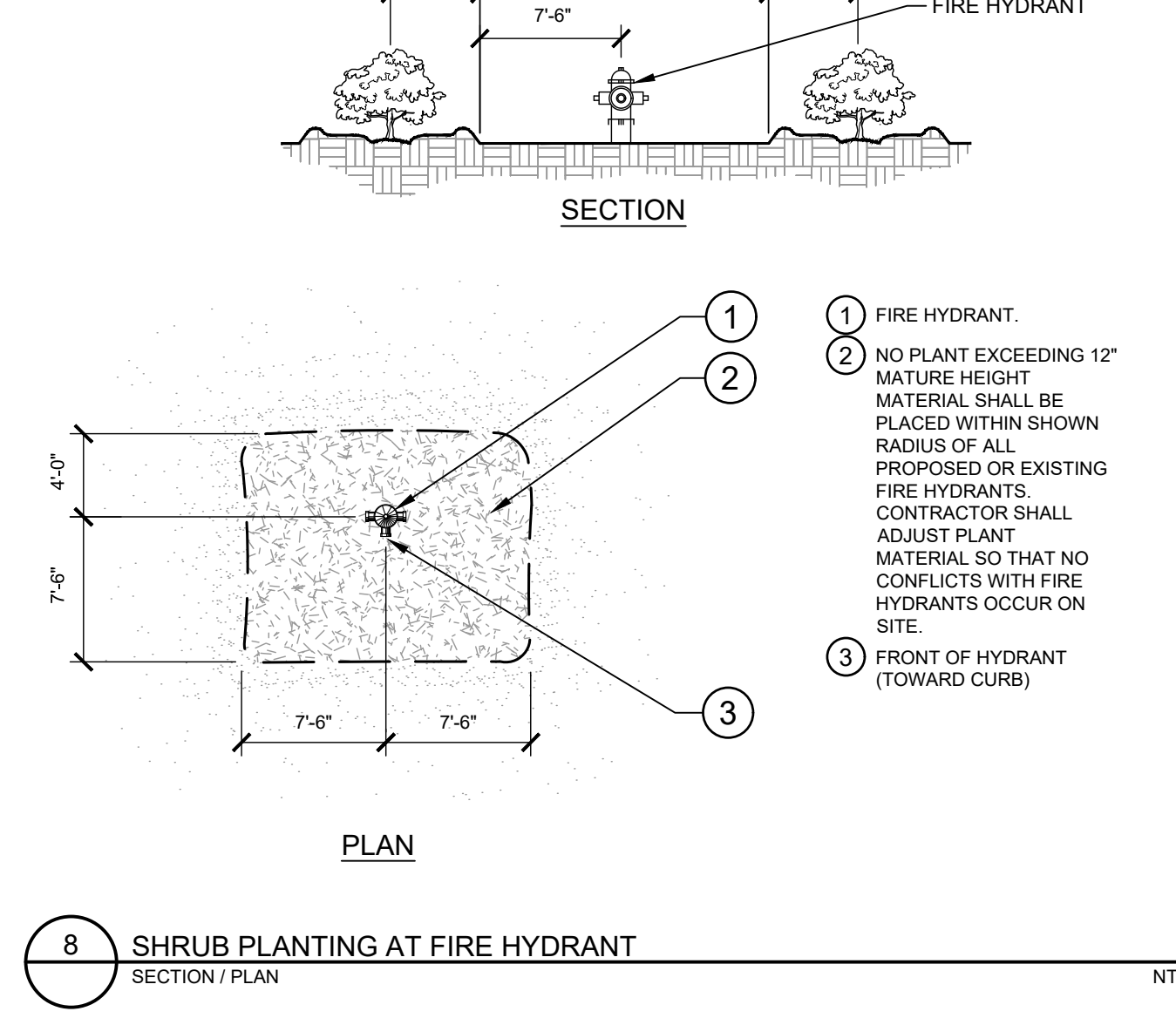
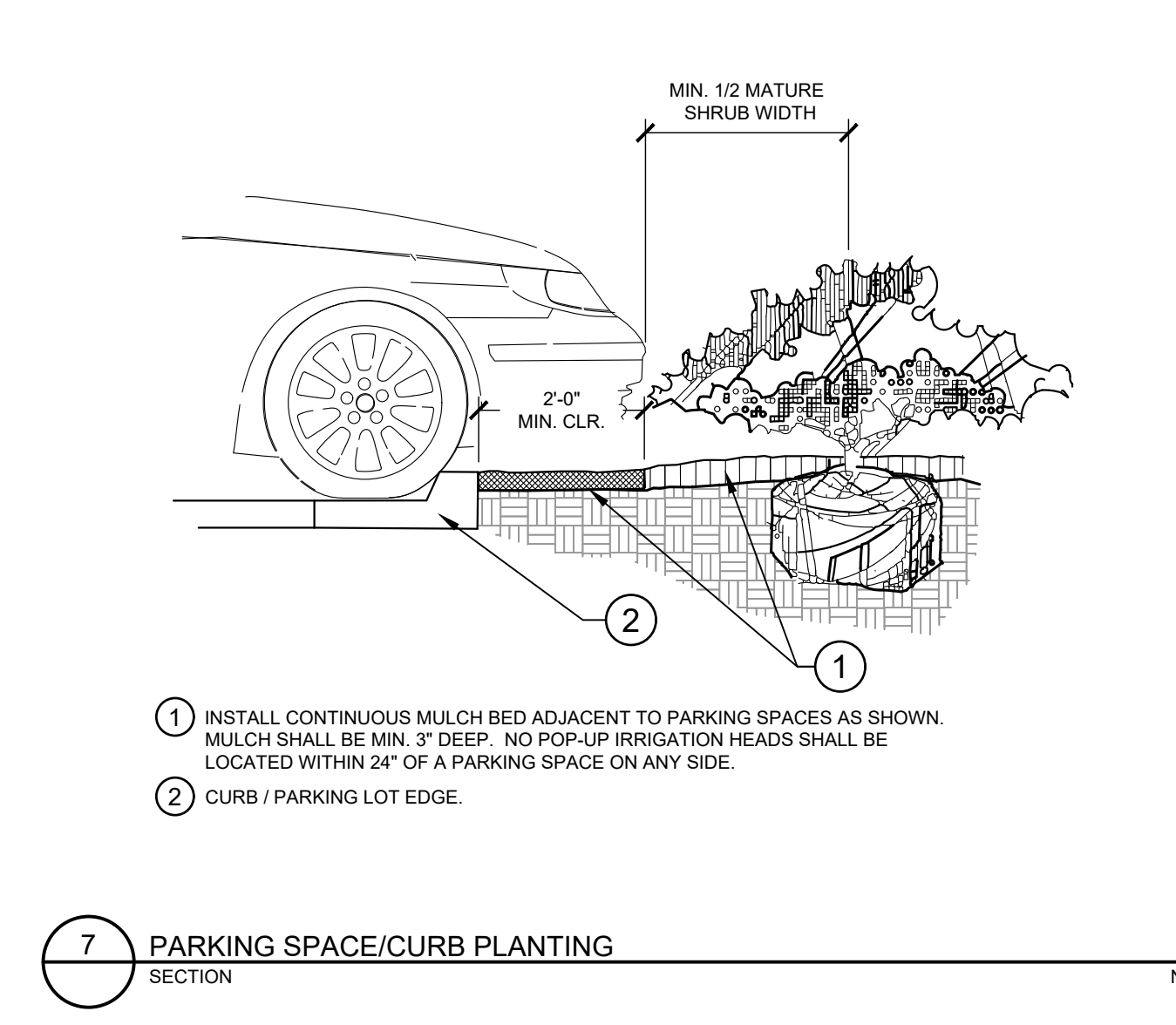
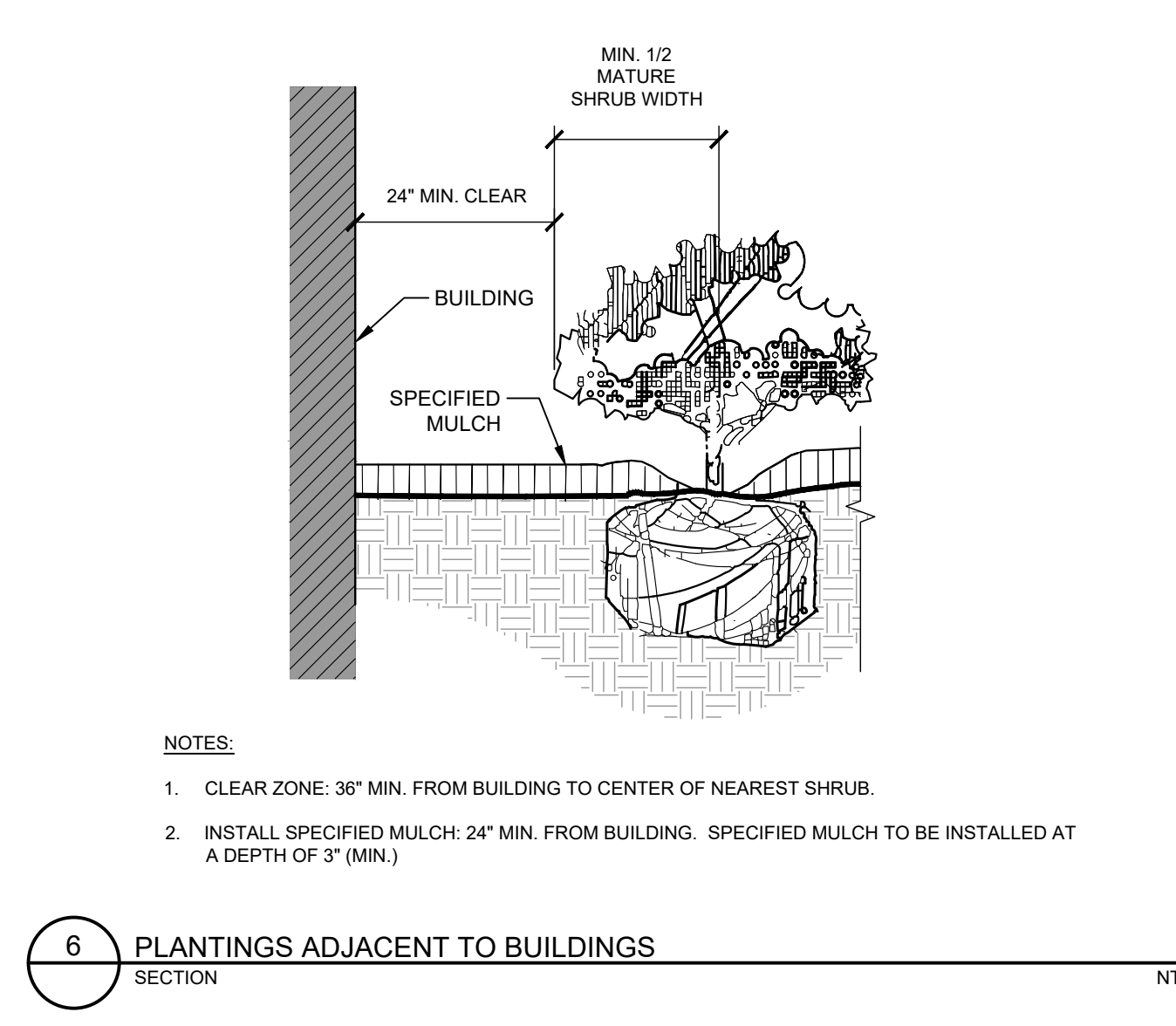
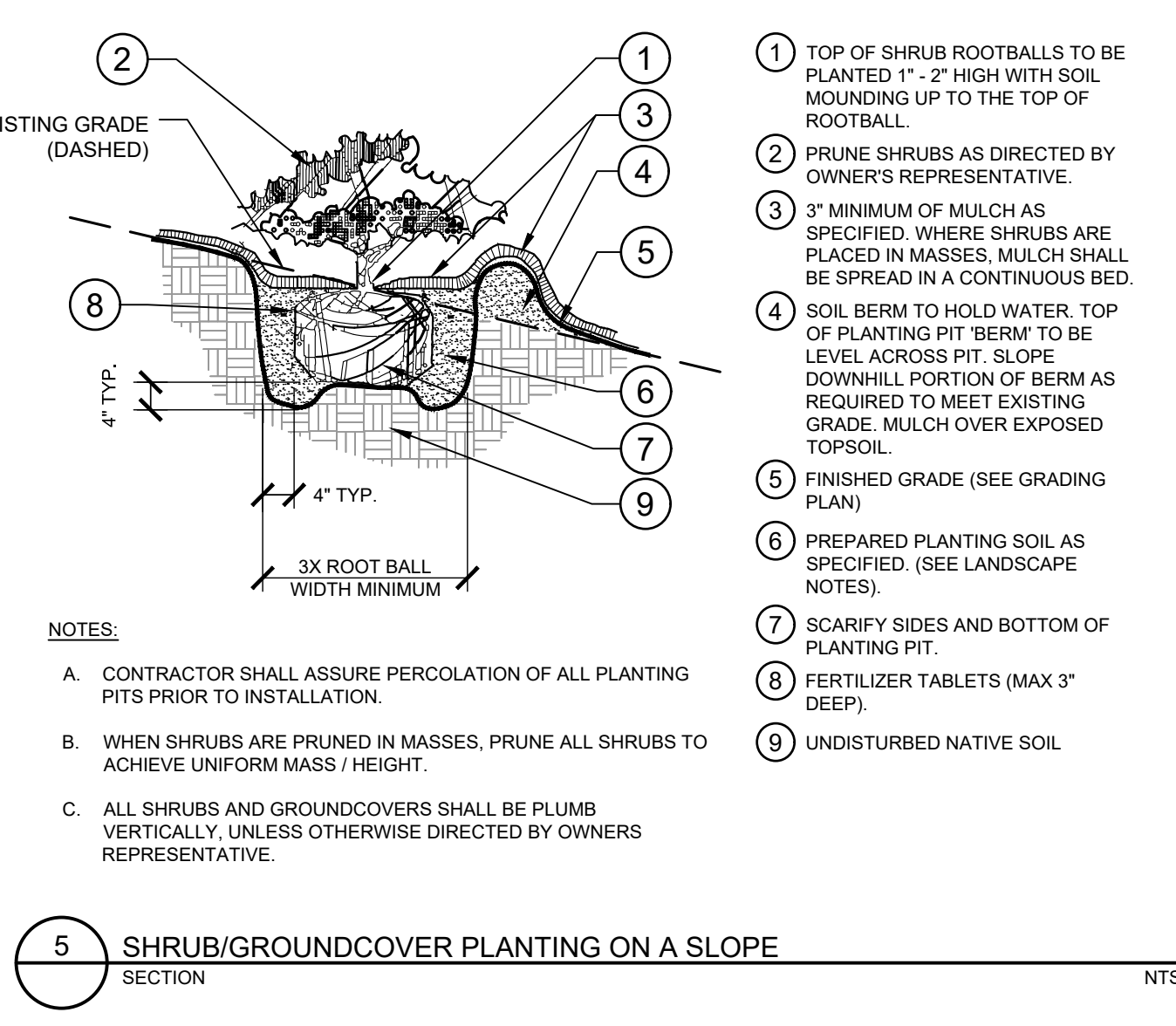
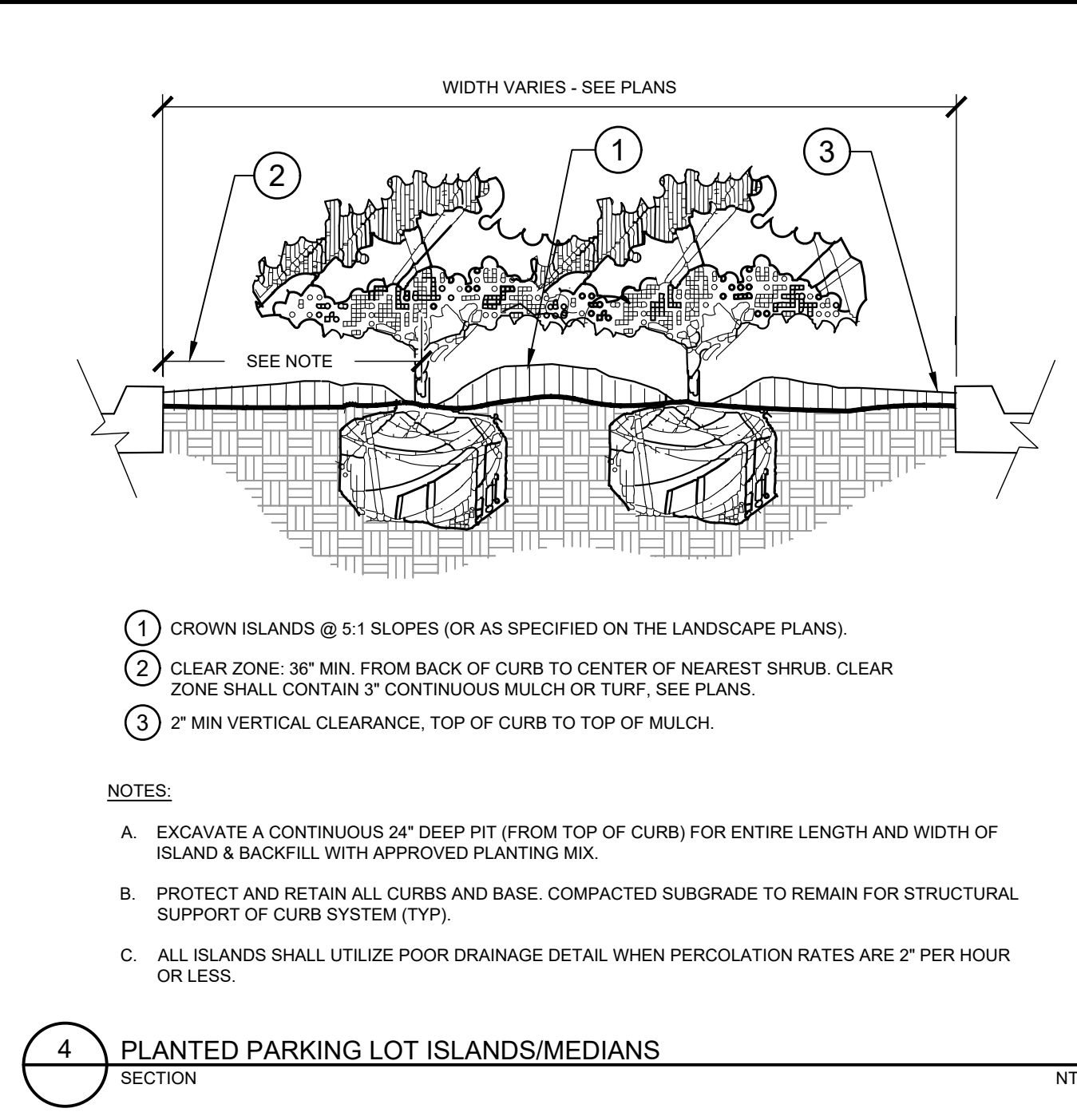
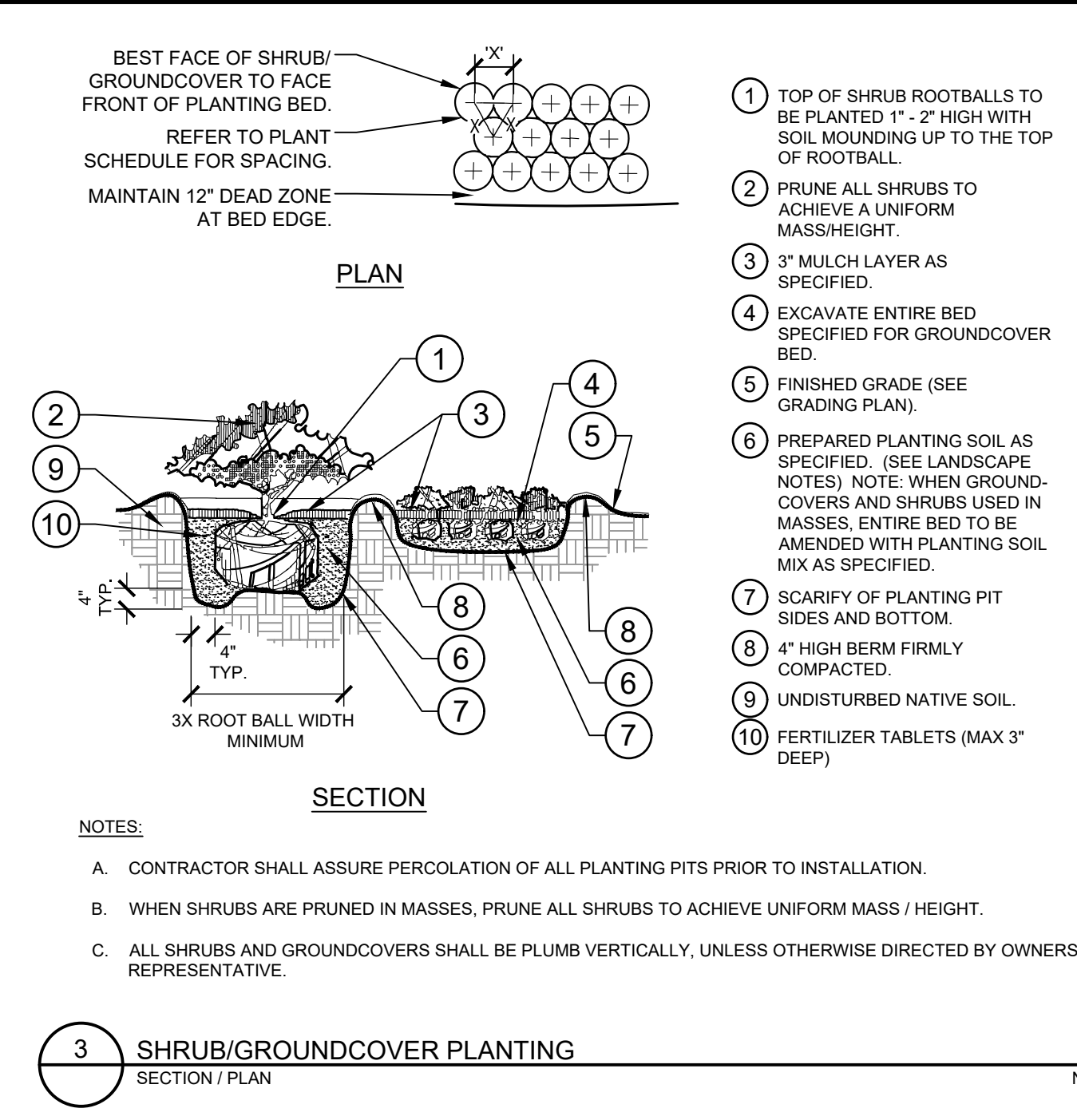
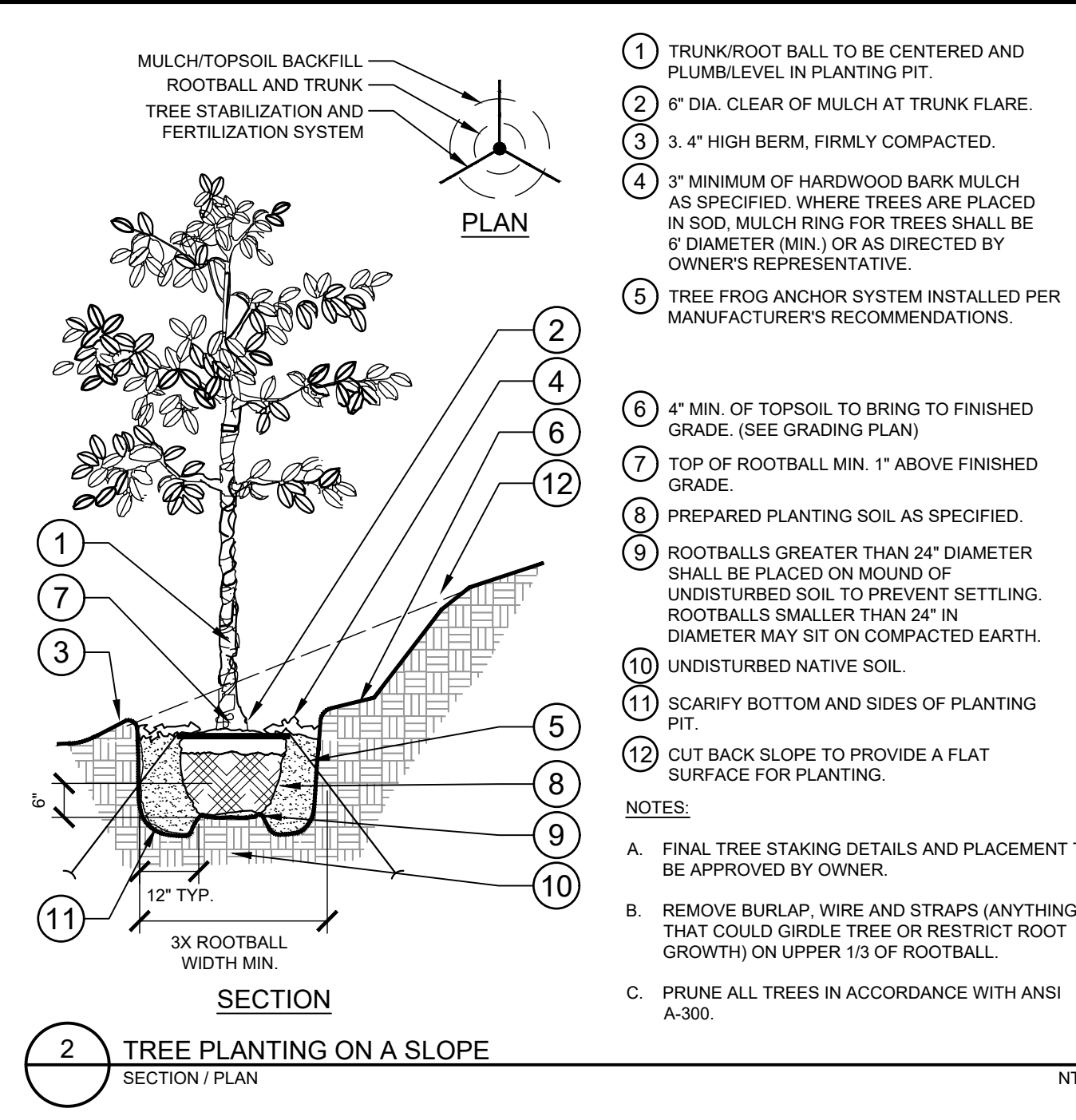
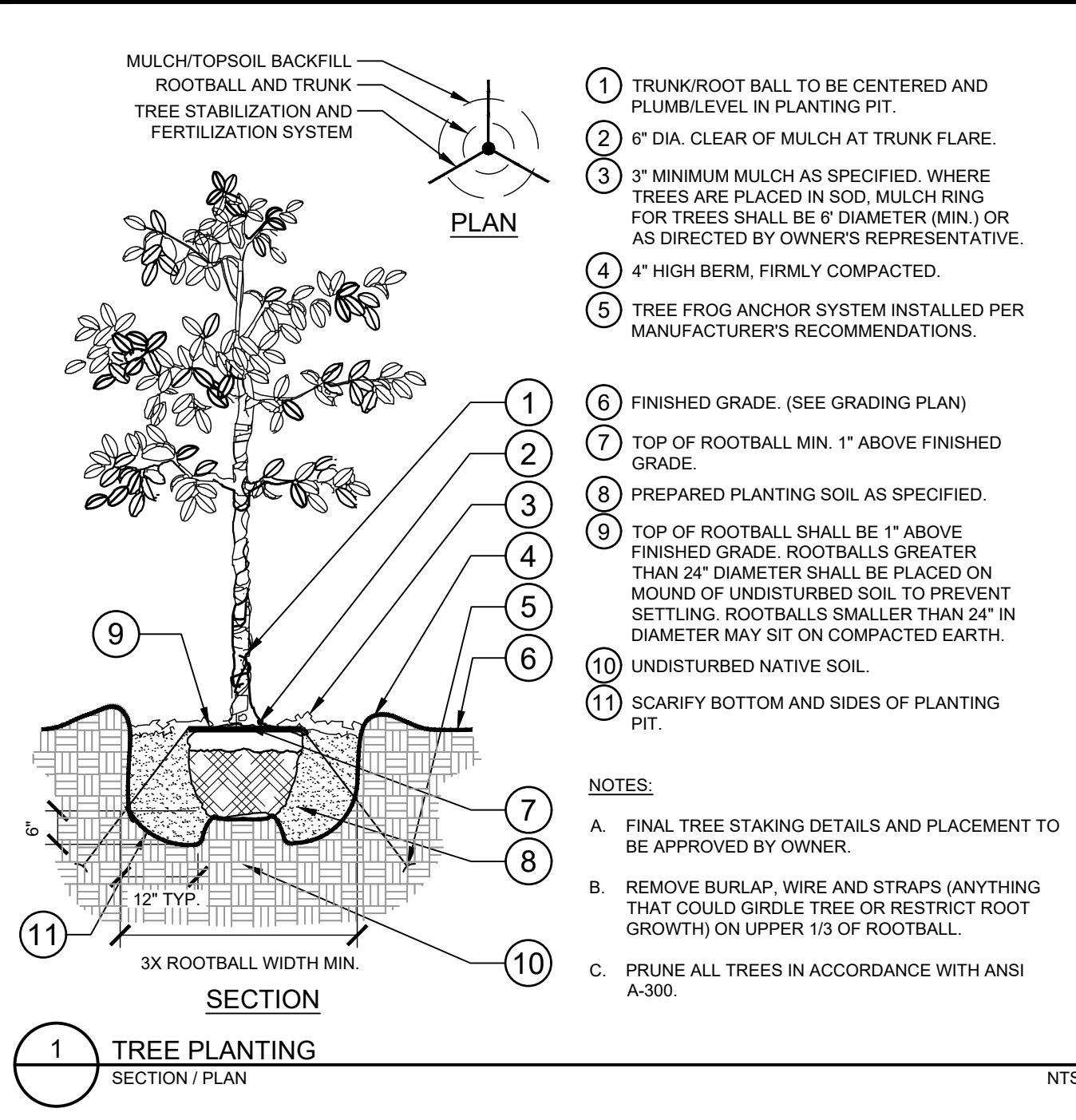
**LANDSCAPE PLAN**

SCOOTER'S ROLESVILLE  
 PREPARED FOR  
 S&S JAVA ENTERPRISES  
 ROLESVILLE NC

SHEET NUMBER  
**L1.0**

DATE: 03/01/2024 BY: JAA

Plotted By: Barnes, Michael. Sheet Set: SCOOTER'S ROLESVILLE Layout L2.0 LANDSCAPE DETAILS March 01, 2024. 05:03:05pm. K:\BAL\_LDE\016485000-Scooters Rolesville\Planting\PL5\_CAD Files\PL5Sheets\L2.0 LANDSCAPE DETAILS.dwg  
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NO.	REVISIONS	BY	DATE
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12			

**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

**NOT FOR CONSTRUCTION**  
KHA PROJECT 016485000  
DATE 10/31/2023  
SCALE AS SHOWN  
DESIGNED BY JAA  
DRAWN BY JAA  
CHECKED BY COB

**LANDSCAPE DETAILS**

**SCOOTER'S ROLESVILLE**  
PREPARED FOR  
**S&S JAVA ENTERPRISES**  
ROLESVILLE, NC

SHEET NUMBER  
**L2.0**

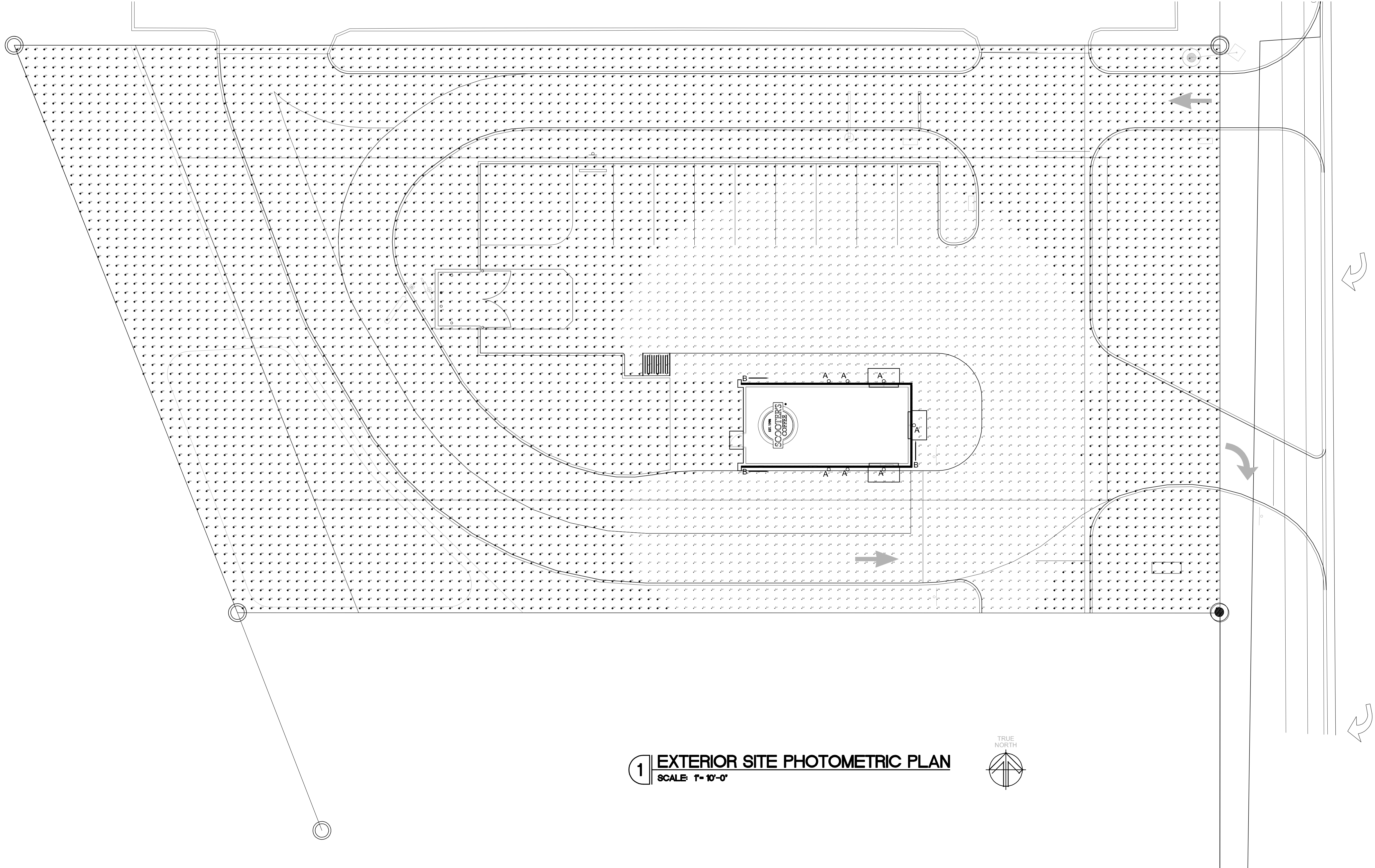
SDP-23-09





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

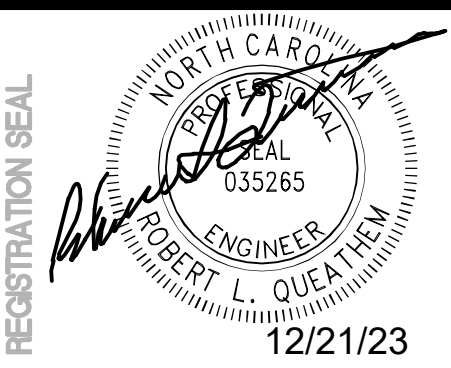
Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	0.3 fc	15.3 fc	0.0 fc	N/A	N/A



**1 EXTERIOR SITE PHOTOMETRIC PLAN**  
SCALE: 1"=10'-0"



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



**ROBERT L. QUEATHEM**  
ENGINEER  
1950 CRAIG ROAD, SUITE 900 ST. LOUIS, MO 63146  
PH. (314) 415-2400 FAX (314) 415-2300 www.arvcv.com



REV	DATE	DESCRIPTION	BY
1	12/15/23	EXTERIOR REVISION	ANG
2			
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TITLE:  
**EXTERIOR SITE PHOTOMETRIC PLAN**

PROJECT ADDRESS:  
306 S. MAIN ST.  
ROLESVILLE, NC 27571  
FRANCHISEE & STORE NUMBER:  
SCOOTER'S COFFEE #562  
P&S JAVA ENTERPRISES, INC.

KIOSK PROTOTYPE:  
4.1 PROTOTYPE  
MAY 2022  
ISSUE DATE:  
08/14/2023  
PROJECT NO.  
230522  
DRAWN BY:  
JDK  
CHECKED BY:  
SAH

SHEET NO.  
**E3.1**

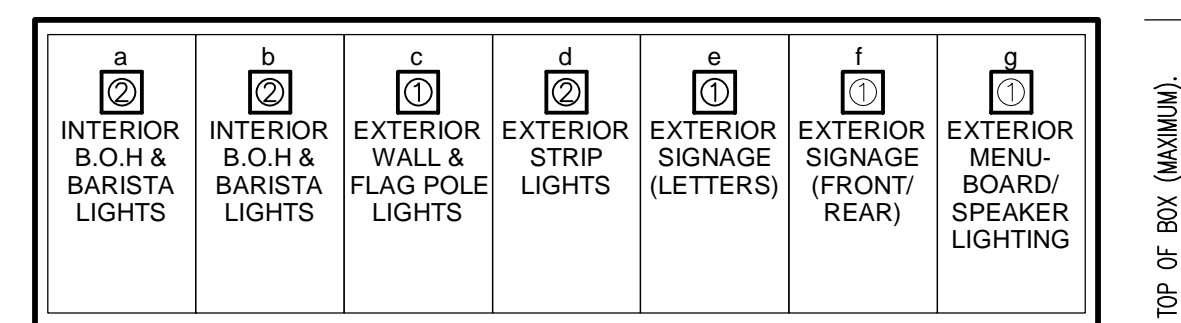
SCOOTER'S COFFEE LIGHTING SCHEDULE											
FIXTURE INFORMATION					LAMP(S) ELECTRICAL CHARACTERISTICS					NOTES	
TAG	QTY.	MANUFACTURE	DESCRIPTION	MODEL NUMBER	MOUNTING	QTY.	VOLTS	WATTS	LAMP BASE TYPE		DIMMER/TYPE
A	7	RAB	EXTERIOR WALL SCONCE	SLIM12Y	WALL	1	120	12	INTEGRATED	0-10V (120V/277V)	
A2	0	RAB	EXTERIOR WALL SCONCE	SLIM18Y	WALL	1	120	18	INTEGRATED	0-10V (120V/277V)	
B	131'	NOVA FLEX	LED STRIP LIGHT	NF/SP-PROW-120-24V-3000K	SURFACE	1	120	2.9W/FT	INTEGRATED	0-10V	MOUNT IN CHANNEL WITH SOLID LENS FOR 50% LIGHT TRANSMISSION
EM1	4	BEST LIGHTING	MR-16 SEMI-RECESSED THERMOPLASTIC EMERGENCY UNIT.	RMR-16-LED	WALL	1	120	(2) 3.3W	MR-16	N/A	90min. EMERGENCY BATTERY BACKUP MINIMUM
EM2	1	BEST LIGHTING	LED DECORATIVE OUTDOOR DIE-CAST AC/EMERGENCY UNIT.	DBEL-ACEM-HL-B-SDI-CW-PC	WALL	1	120	3	INTEGRATED	N/A	90min. EMERGENCY BATTERY BACKUP MINIMUM
T1	8	AEL	LED 2x4	CB2435MM	RECESSED	1	120/277	40	INTEGRATED	N/A	
EX1	1	BEST LIGHTING	LED EXIT SIGN/EMERGENCY UNIT COMBO	LEDXTEU-2-R-W	CEILING	1	120/277	3	INTEGRATED	N/A	90min. EMERGENCY BATTERY BACKUP MINIMUM
FL	2	KITCHLER	GROUND MOUNT LED FLAG POLE LIGHT FIXTURE	NSP 10 TO 15 - 16209	STANCHION GROUND	1	120/277	3	INTEGRATED	N/A	
PL	SEE NOTE	LITHONIA LIGHTING	LED POLE LIGHT FIXTURE w/FULL CUT-OFF SHIELDING	KAD LED 60C 700 40K R4 MVOLT	POLE	1	120/277	-	INTEGRATED	N/A	COORDINATE WITH CIVIL AND SITE WORK FOR LOT LIGHTING

- NOTES:
- CONTRACTOR TO CONSULT WITH LIGHTING MANUFACTURE TO PROVIDE U.L. LABELING TO REFLECT ACTUAL LAMP WATTAGE USED, NOT MAXIMUM FIXTURE WATTAGE
  - RECESSED FIXTURES INSTALLED IN AN INSULATED CEILING SHALL BE I.C. RATED
  - "EXIST" DENOTES EXISTING TO REMAIN

LIGHTING CONTROL DEVICE SCHEDULE							
CALLOUT	SYMBOL	MANUFACTURE MODEL NUMBER	UNOBSTRUCTED RATED COVERAGE	MOUNTING	WATTAGE VOLTAGE	TIME DELAY	DESCRIPTION
OCCUPANCY SENSOR SWITCH	Ⓢ	nLIGHT WSX-PDT	---	WALL	LINE	---	LINE VOLTAGE SWITCH DUAL TECHNOLOGY SENSOR
DIMMER SWITCH	Ⓢ	ACUITY CONTROLS sPDMRD	---	WALL	LINE	---	LINE VOLTAGE PUSH BUTTON SWITCH POD ON/OFF
TOGGLE SWITCH	Ⓢ	HUBBEL #1221	---	WALL	LOW	---	

NOTES:

- SENSOR REQUIRES POWER PACK (INSTALL IN ACCESSIBLE LOCATION)
- SWIVEL MOUNTING BRACKET INCLUDED
- ELECTRICAL CONTRACTOR SHALL COORDINATE COMPATIBILITY OF LIGHT FIXTURES AND LIGHTING CONTROL DEVICES/ SYSTEM WITH CONTROL SYSTEM SUPPLIER PRIOR TO ORDERING/ROUGH-IN
- VERIFY POWER REQUIREMENT FOR CEILING SENSOR. IF IT REQUIRES CONTINUOUS HOT, PULL UNDIMMED WIRE FROM AHEAD OF DIMMER SWITCH TO CEILING SENSOR FOR SENSOR OPERATING, AND RUN DIMMED LINE THROUGH SENSOR FOR ON/OFF CONTROL. CONFIRM WITH VENDOR PRIOR TO ORDERING SENSOR TO ENSURE COMPATIBILITY.



- LEGEND
- SINGLE POLE SWITCH.
  - SINGLE POLE DIMMER SWITCH

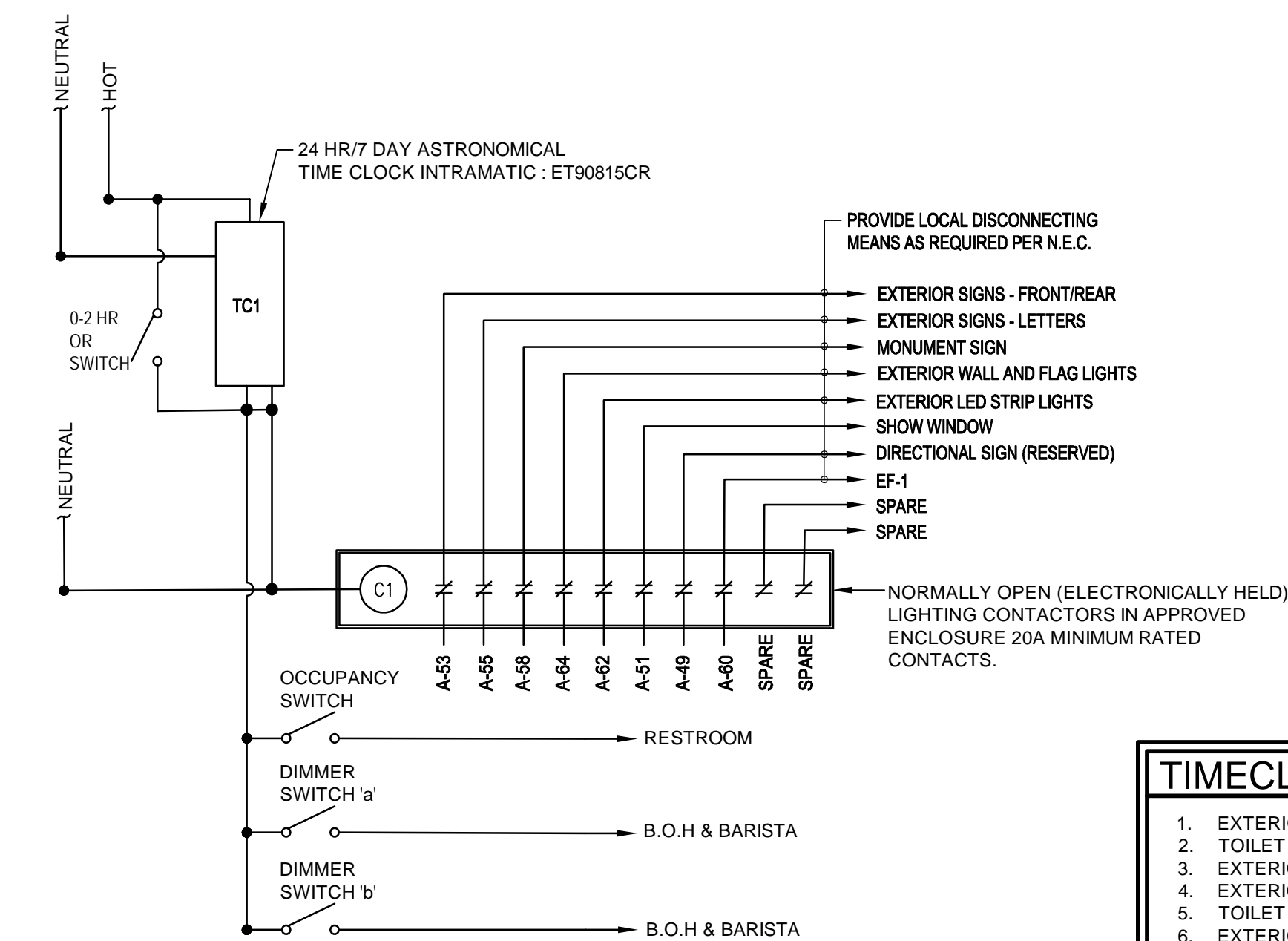
**JURISDICTIONAL NOTE**

PER LDO SECTION 6.6.G.10, FULL CUT-OFF LIGHTING SHALL BE PROVIDED IN LOADING AREAS.

BUILDING FACADE AND ACCENT LIGHTING SHALL BE SELECTED, LOCATED, AIMED AND SHIELDED SO THAT LIGHT IS DIRECTED ONLY ONTO THE BUILDING FACADE AND SPILLOVER LIGHT IS NEGLIGIBLE.

LIGHTING DESIGN SHALL BE COORDINATED WITH THE LANDSCAPE PLAN TO ENSURE THAT VEGETATION GROWTH WILL NOT SUBSTANTIALLY IMPAIR THE INTENDED ILLUMINATION.

**3 SWITCH BANK DETAIL**  
SCALE: N.T.S.

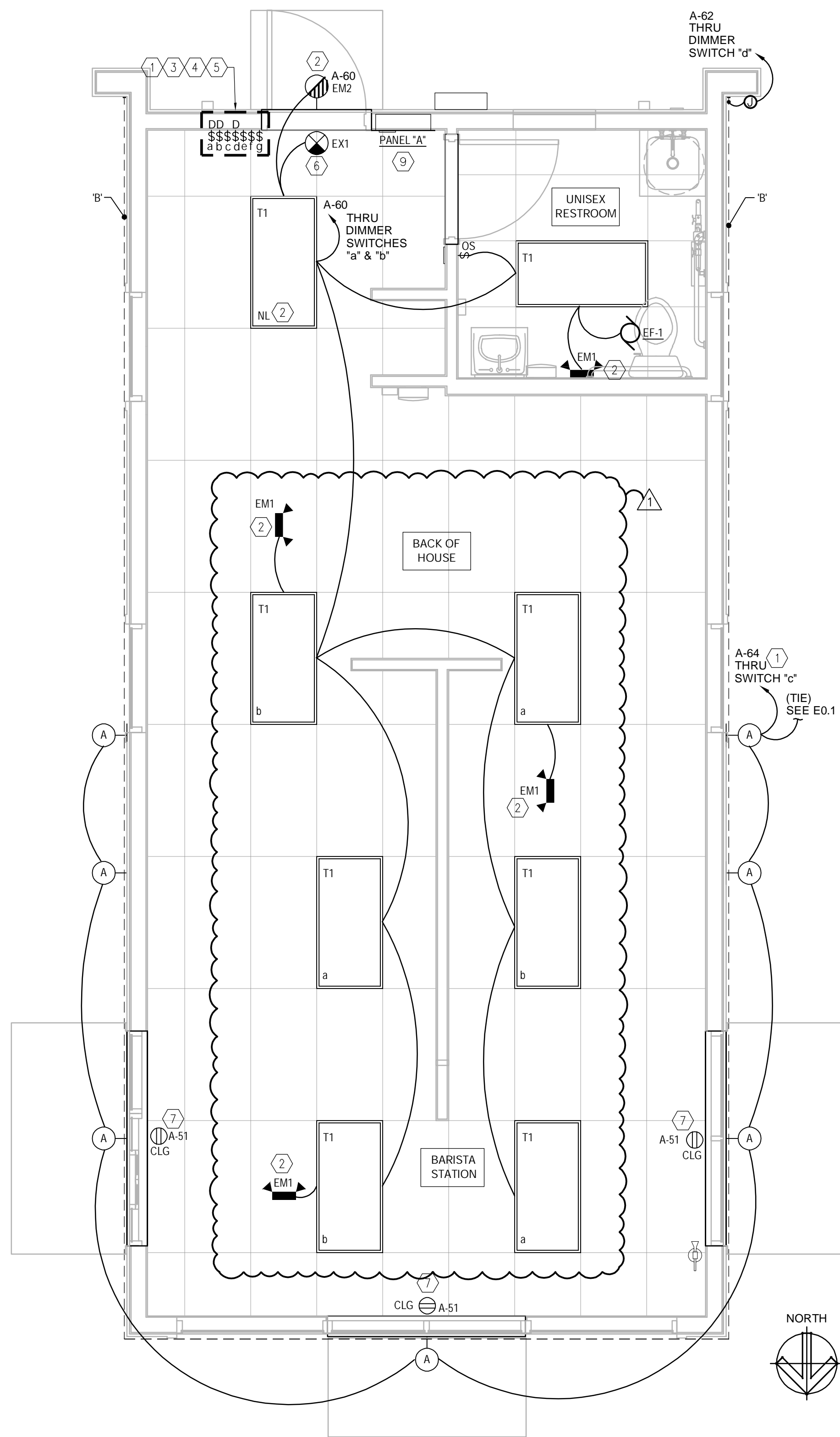


**2 TIME CLOCK DIAGRAM**  
SCALE: NOT TO SCALE

**TIMECLOCK SEQUENCE OF OPERATION**

- EXTERIOR SIGN SHALL TURN ON AT 4:30AM.
- TOILET EXHAUST SHALL TURN ON AT 5AM.
- EXTERIOR SIGN SHALL TURN OFF 30- MINUTES AFTER SUNRISE.
- EXTERIOR SIGNAGE SHALL TURN ON 30-MINUTES BEFORE SUNSET.
- TOILET EXHAUST SHALL SHUT OFF AT 10PM.
- EXTERIOR SIGNAGE SHALL TURN OFF AT 10:30PM.

ALL TIMES ARE ADJUSTABLE.



**1 ELECTRICAL LIGHTING PLAN**  
SCALE: 3/8" = 1'-0"

- LIGHTING GENERAL NOTES**
- ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BASE BID. IN CASE OF ANY DISCREPANCIES WITH EXISTING FIELD CONDITIONS, ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT DIFFERENCE FOR POSSIBLE REVISIONS TO THIS DOCUMENT.
  - INSTALL RECESSED LUMINAIRE USING ACCESSORIES AND FIRE STOPPING MATERIALS TO MEET REGULATORY REQUIREMENTS FOR FIRE RATING.
  - COORDINATE ALL EXTERIOR BUILDING MOUNTED LIGHT FIXTURES WITH ARCHITECTURAL BUILDING ELEVATIONS FOR HEIGHTS AND LOCATIONS.
  - PROVIDE EXIT SIGNS FOR ALL EXISTS DESIGNATED BY THE CODE STUDY PLAN. REFER TO ARCHITECTURAL CODE PLANS FOR LOCATIONS AND REQUIREMENTS.
  - CONDUIT AND WIRING SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE THE NUMBER OF CONDUCTOR REQUIRED FOR HOT-LEGS, NEUTRAL AND GROUNDING AT EACH DEVICE FOR PROPER BRANCH CIRCUITING SHOWN FOR EACH AREA OR ROOM.
  - ALL EMERGENCY/EXIT FIXTURES AND ARE TO BE PROVIDED WITH MINIMUM 90 MIN EMERGENCY BATTERY BACK-UP. BYPASS ENERGY MANAGEMENT SYSTEM WHERE REQUIRED.
  - WHEN REQUIRED, IT IS THE OWNER'S RESPONSIBILITY TO CONTRACT WITH A COMMISSIONING AUTHORITY TO COMPLY WITH LOCAL CODES.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DISCIPLINES DRAWINGS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND ENGINEERS PRIOR TO FINAL BID CLOSING.

**GENERAL NOTE**

PROVIDE STRUCTURE ENGINEERING LETTER OF APPROVAL FOR SEISMIC INSTALLATION SUPPORT PRIOR TO INSTALLATION AND AT COMMISSIONING STAGE. ALL EQUIPMENT SEISMIC SUPPORT AND INSTALLATION METHOD MUST BE SUBMITTED TO STRUCTURE ENGINEERING APPROVAL PRIOR TO INSTALLATION.

**LIGHTING CONTROL EXEMPTION**

PER IECC 505.2.2 ADDITIONAL CONTROLS... 505.2.2.1 LIGHT REDUCTION CONTROLS EXEMPTION #5: SPACES THAT USE LESS THAN 0.6 WATTS PER SQUARE FOOT (6.5 W/m<sup>2</sup>).

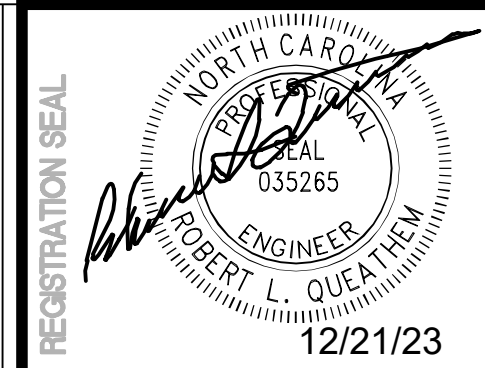
(8 FIXTURES X 40-WATTS) 320 / TOTAL SQ/FT 680 = 0.47 Watts per square foot

**AUTOMATIC CONTROL EXEMPTION**

PER IECC 505.2.2 ADDITIONAL CONTROLS... 505.2.2.2 AUTOMATIC LIGHTING SHUTOFF BUILDINGS LARGER THAN 5,000 SQUARE FEET (465m<sup>2</sup>) SHALL BE EQUIPPED WITH AN AUTOMATIC LIGHTING CONTROL DEVICE.

TOTAL BUILDING 680 SQFT = < 5,000 SQFT = NO AUTO CONTROL REQUIRED

- LIGHTING PLAN KEYED NOTES**
- PROVIDE DIMMING SWITCH ON WALL FOR EXTERIOR LED STRIP LIGHTING. COORDINATE EXACT LOCATION WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION.
  - NITE-LITE/EMERGENCY EGRESS LIGHT SHALL BE CIRCUITED TO UNSWITCHED LEG OF LOCAL LIGHT CIRCUIT.
  - PROVIDE LIGHT SWITCH ON WALL FOR EXTERIOR WALL/ SITE FIXTURE. COORDINATE EXACT LOCATION WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION.
  - PROVIDE SWITCH ON WALL FOR ILLUMINATED MONUMENT SIGN AND BUILDING SIGNS COORDINATE EXACT LOCATION WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION.
  - PROVIDE SWITCH ON WALL FOR ILLUMINATED MENU BOARD/ SPEAKER. COORDINATE EXACT LOCATION WITH OWNER/ ARCHITECT PRIOR TO INSTALLATION. VERIFY EXACT POWER REQUIREMENTS PRIOR TO ROUGH-IN.
  - EXIT LIGHT SHALL BE CIRCUITED TO UNSWITCHED LEG OF LOCAL LIGHT CIRCUIT. PROVIDE CHEVRONS AS NEEDED.
  - SHOW WINDOWS RECEPTACLE TO BE INSTALLED PER N.E.C. 210.62 & 220.14(G).



**ROBERT L. QUEATHEM**  
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1950 CRAIG ROAD, SUITE 900  
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REV	DATE	DESCRIPTION	BY	ANG
1	12/15/23	EXTERIOR REVISION		
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**TITLE: ELECTRICAL LIGHTING PLAN & DETAILS**

PROJECT ADDRESS:  
306 S. MAIN ST.  
ROLESVILLE, NC 27571

FRANCHISEE & STORE NUMBER:  
SCOOTER'S COFFEE #562  
P&S JAVA ENTERPRISES, INC.

KIOSK PROTOTYPE:  
4.1 PROTOTYPE  
MAY 2022

ISSUE DATE:  
08/14/2023

PROJECT NO.  
230522

DRAWN BY:  
-

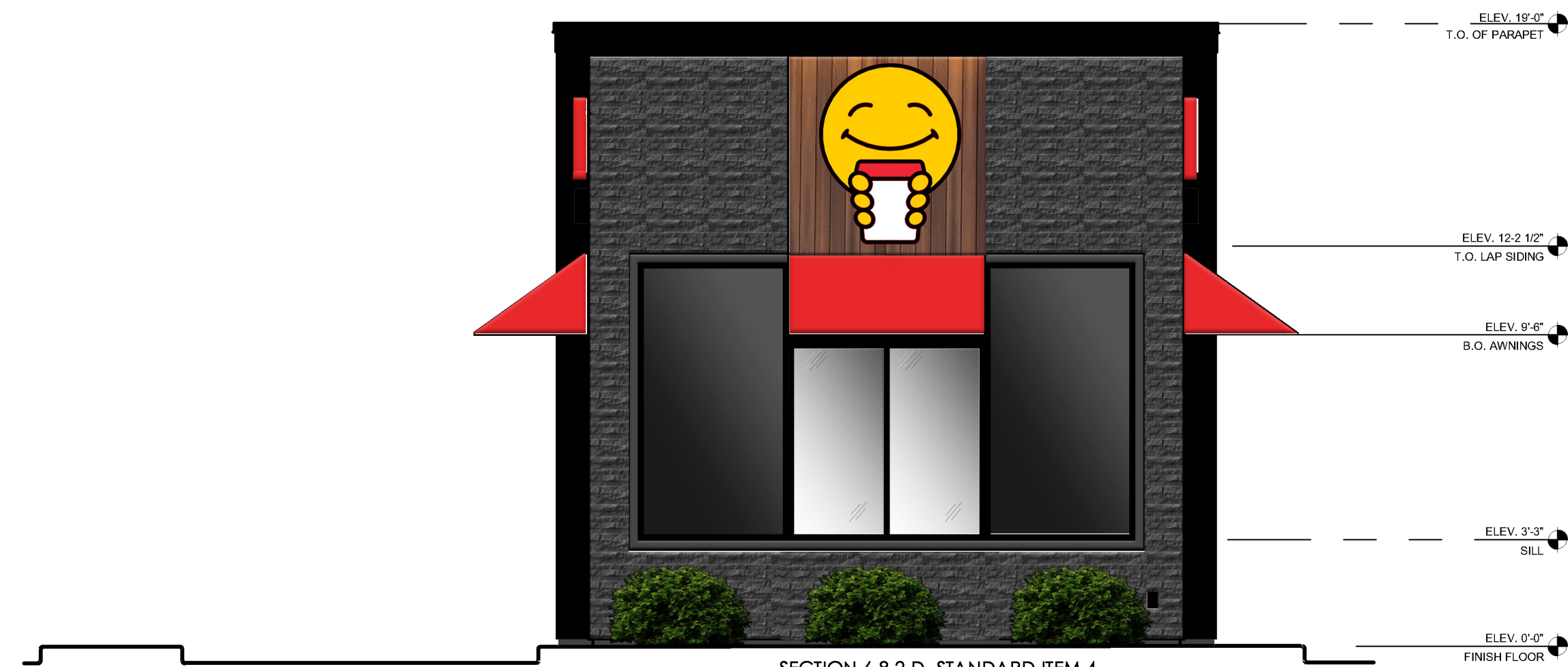
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SHEET NO.  
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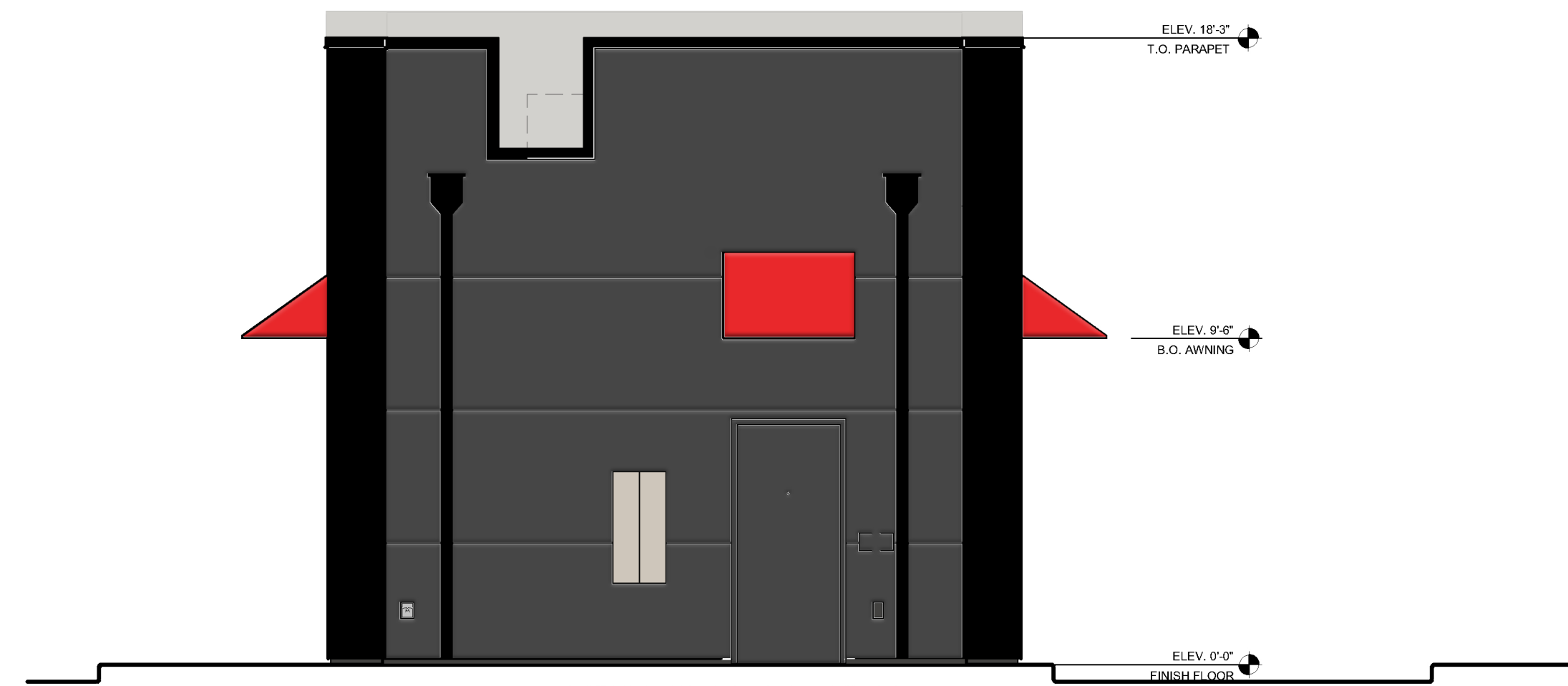




**4 DRIVE THRU SIDE EXTERIOR ELEVATION**  
SCALE: 1/4" = 1'-0"



**3 FRONT EXTERIOR ELEVATION**  
SCALE: 1/4" = 1'-0"



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



**1 SIDE EXTERIOR ELEVATION**  
SCALE: 1/4" = 1'-0"

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

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

MATERIAL PERCENTAGES		
BACK EXTERIOR ELEVATION		
TOTAL WALL AREA	357 SQ. FT.	100%
STUCCO - INKWELL	250 SQ. FT.	70%
STUCCO - SKYLINE STEEL	0 SQ. FT.	0%
CARBON LEDGE STONE	0 SQ. FT.	0%
FIBERON COMPOSITE CLADDING	0 SQ. FT.	0%
DOOR	24 SQ. FT.	7%
TRIMS	83 SQ. FT.	23%

MATERIAL PERCENTAGES		
SIDE EXTERIOR ELEVATION		
TOTAL WALL AREA	723 SQ. FT.	100%
STUCCO - INKWELL	0 SQ. FT.	0%
STUCCO - SKYLINE STEEL	144 SQ. FT.	20%
CARBON LEDGE STONE	252 SQ. FT.	35%
FIBERON COMPOSITE CLADDING	147 SQ. FT.	20%
FENESTRATION	95 SQ. FT.	13%
TRIMS	74 SQ. FT.	10%



**FREDERICK J. GOGLIA**  
ARCHITECT, NCARB, RDI  
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REV	DATE	DESCRIPTION
1	12/15/23	EXTERIOR REVISION
2		
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TITLE: **EXTERIOR COLOR ELEVATIONS**

PROJECT ADDRESS:  
306 S. MAIN ST.  
ROLESVILLE, NC 27571

FRANCHISEE & STORE NUMBER:  
SCOOTER'S COFFEE #562  
P&S JAVA ENTERPRISES, INC.

KIOSK PROTOTYPE:  
4.1 PROTOTYPE  
MAY 2022

ISSUE DATE:  
08/14/2023

PROJECT NO.  
230522

DRAWN BY:  
ANG, MD

CHECKED BY:  
MD

SHEET NO.  
**A2.0**

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

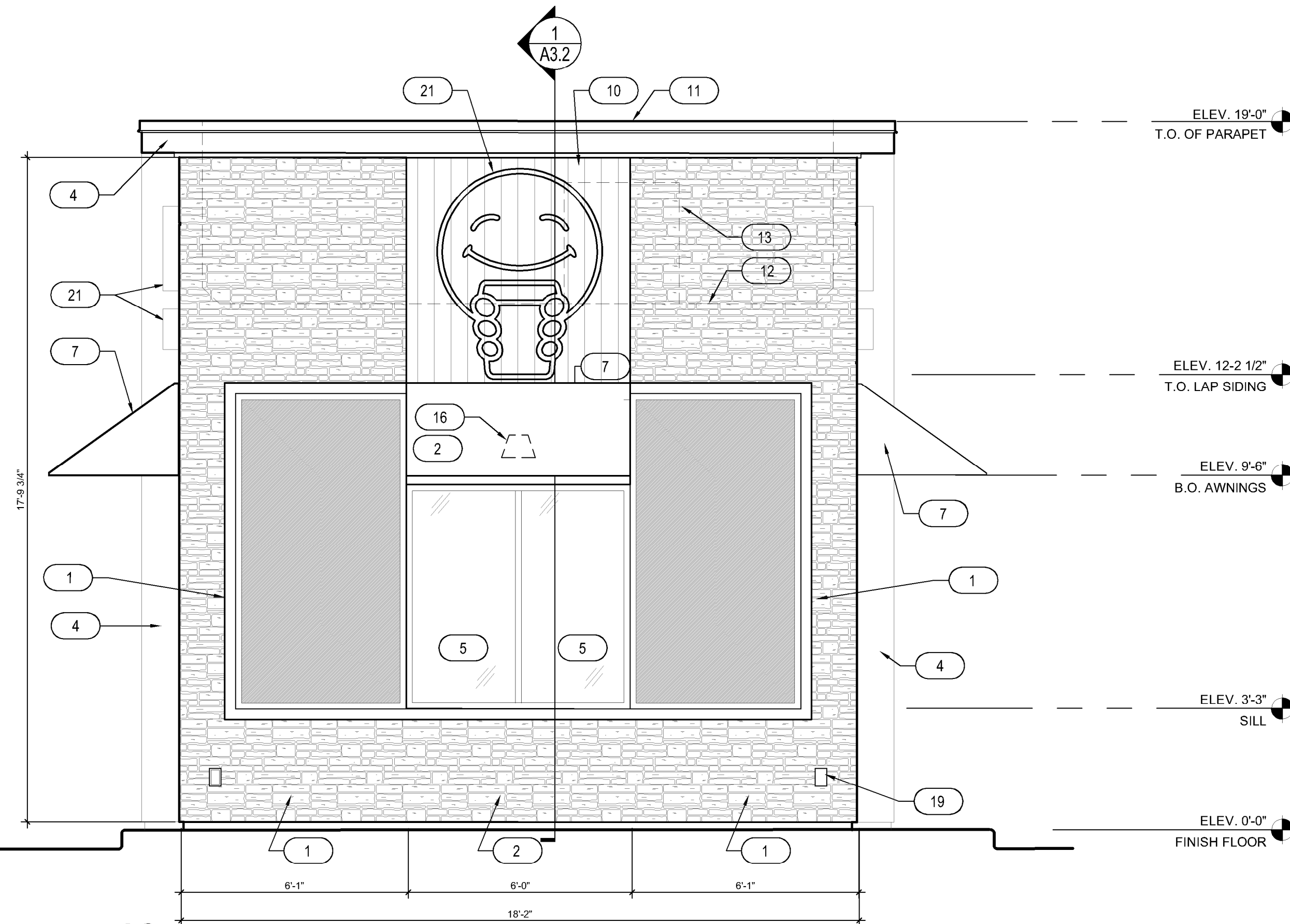
MATERIAL PERCENTAGES		
SIDE EXTERIOR ELEVATION		
TOTAL WALL AREA	723 SQ. FT.	100%
STUCCO - INKWELL	0 SQ. FT.	0%
STUCCO - SKYLINE STEEL	144 SQ. FT.	20%
CARBON LEDGE STONE	252 SQ. FT.	35%
FIBERON COMPOSITE CLADDING	147 SQ. FT.	20%
FENESTRATION	95 SQ. FT.	13%
TRIMS	74 SQ. FT.	10%

**BLANK WALL SPACE**

1.1	47.4 SQ FT
1.2	48.8 SQ FT
1.3	48.6 SQ FT
2.1	48.5 SQ FT
2.2	48.8 SQ FT
2.3	47.4 SQ FT
3.1	N/A PER CODE

**1 FRONT EXTERIOR ELEVATION**

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

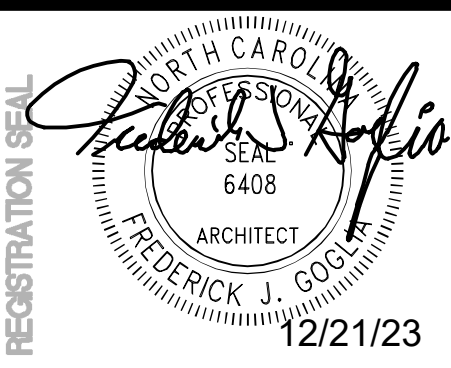


**2 SIDE EXTERIOR ELEVATION**

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

**KEYNOTES**

- CARBON LEDGE STONE BY REALSTONE SYSTEMS
- STUCCO - COLOR: SHERWIN WILLIAMS SW1015 SKYLINE STEEL
- 3 1/2" TRIM - COLOR: SHERWIN WILLIAMS SW2848 ROYCROFT PEWTER
- METAL FASCIA - DARK BRONZE
- INSULATED DARK BRONZE ALUMINUM WINDOWS WITH DUAL PANE TEMPERED GLASS
- QUICKSERVE 48X48 WINDOW - COLOR: DARK BRONZE
- AWNING BY OTHERS - COLOR: RED
- INSULATED HOLLOW METAL DOOR & FRAME, PAINT SHERWIN WILLIAMS SW6992
- WIDE ANGLE PEEP HOLE, BY DOOR MANUFACTURER
- FIBERON COMPOSITE CLADDING
- PARAPET CAP FLASHING - DARK BRONZE
- LINE OF ROOF BEYOND
- AIR CONDENSER, SEE MECHANICAL DRAWINGS
- ROOF SCUPPER AND DOWNSPOUT, SEE DETAIL 8/A6.3
- MAILBOX BY GC BLACK
- WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- LED LIGHT BAND, SEE ELECTRICAL DRAWINGS
- SES PANEL, SEE ELECTRICAL DRAWINGS
- ELECTRICAL OUTLETS, SEE ELECTRICAL DRAWINGS
- HOSE BIBB, SEE PLUMBING DRAWINGS
- PROPOSED SIGNAGE BY OTHERS, UNDER SEPARATE PERMIT
- CONNECT DOWNSPOUTS TO UNDERGROUND PIPING, REF. CIVIL
- SPANDREL GLASS
- NEW SECURITY CAMERA
- CUSTOMER PROVIDED SIGN PANELS. PANELS TO BE MOUNTED TO FASCIA BY GC (WHEN PROVIDED) IN CUSTOMER SPECIFIED LOCATION USING PROPER HARDWARE AND FASTENERS (NON-CORROSIVE)
- STUCCO - COLOR: SHERWIN WILLIAMS SW6993 INKWELL EGGSHELL FINISH
- STUCCO REVEAL



**FREDERICK J. GOGLIA**  
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 www.arvcv.com



REV	DATE	DESCRIPTION
1	12/15/23	EXTERIOR REVISION
2		
3		
4		
5		
6		
7		
8		
9		

**TITLE: EXTERIOR ELEVATIONS**

PROJECT ADDRESS:  
 306 S. MAIN ST.  
 ROLESVILLE, NC 27571  
 FRANCHISE & STORE NUMBER:  
 SCOOTER'S COFFEE #562  
 P&S JAVA ENTERPRISES, INC.

KIOSK PROTOTYPE:  
 4.1 PROTOTYPE  
 MAY 2022  
 ISSUE DATE:  
 08/14/2023  
 PROJECT NO.  
 230522  
 DRAWN BY:  
 NES, ANG  
 CHECKED BY:  
 SW

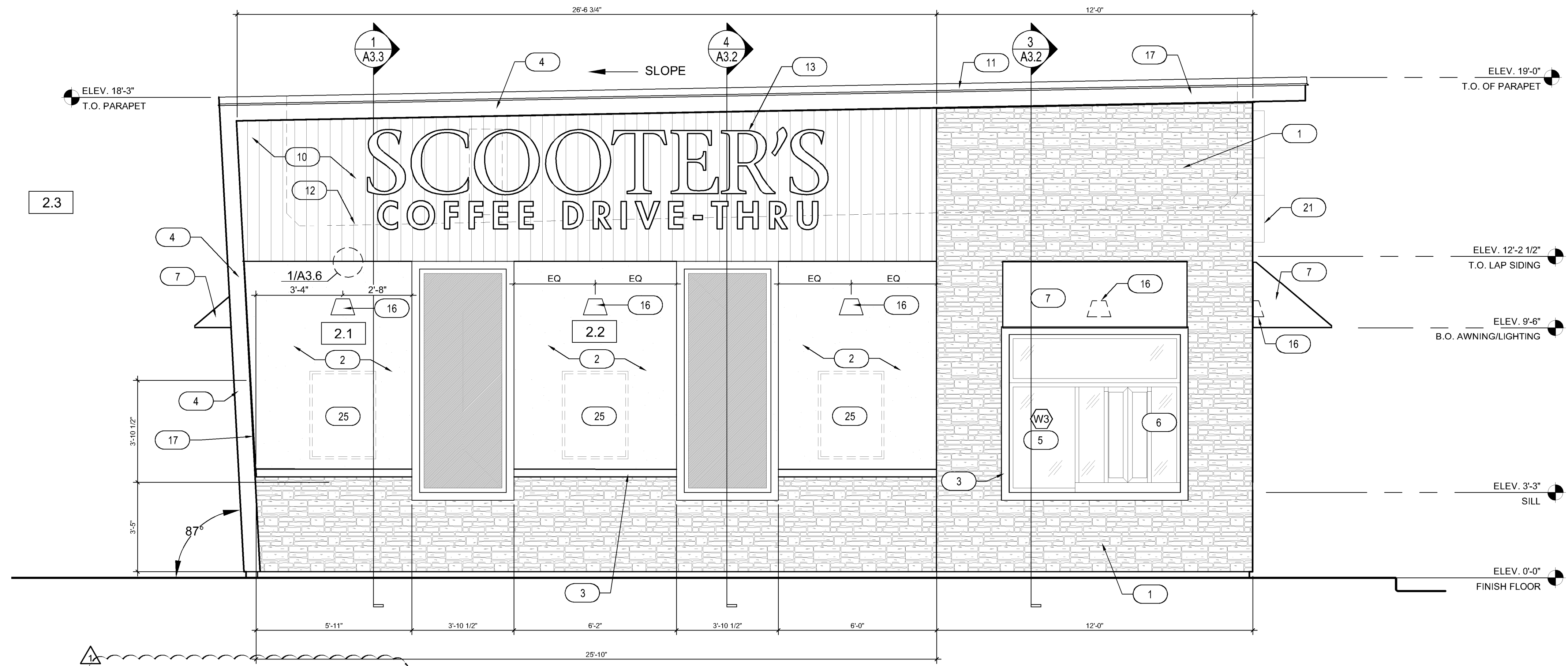
SHEET NO.

**A2.1**



**KEYNOTES**

1. CARBON LEDGE STONE BY REALSTONE SYSTEMS
2. STUCCO - COLOR: SHERWIN WILLIAMS SW1015 SKYLINE STEEL
3. 3 1/2" TRIM - COLOR: SHERWIN WILLIAMS SW2848 ROYCROFT PEWTER
4. METAL FASCIA - DARK BRONZE
5. INSULATED DARK BRONZE ALUMINUM WINDOWS WITH DUAL PANE TEMPERED GLASS
6. QUICKSERVE 48X48 WINDOW - COLOR: DARK BRONZE
7. AWNING BY OTHERS - COLOR: RED
8. INSULATED HOLLOW METAL DOOR & FRAME, PAINT SHERWIN WILLIAMS SW6992
9. WIDE ANGLE PEEP HOLE, BY DOOR MANUFACTURER
10. FIBERON COMPOSITE CLADDING
11. PARAPET CAP FLASHING - DARK BRONZE
12. LINE OF ROOF BEYOND
13. AIR CONDENSER, SEE MECHANICAL DRAWINGS
14. ROOF SCUPPER AND DOWNSPOUT, SEE DETAIL 8/A6.3
15. MAILBOX BY GC BLACK
16. WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
17. LED LIGHT BAND, SEE ELECTRICAL DRAWINGS
18. SES PANEL, SEE ELECTRICAL DRAWINGS
19. ELECTRICAL OUTLETS, SEE ELECTRICAL DRAWINGS
20. HOSE BIBB, SEE PLUMBING DRAWINGS
21. PROPOSED SIGNAGE BY OTHERS, UNDER SEPARATE PERMIT
22. CONNECT DOWNSPOUTS TO UNDERGROUND PIPING, REF. CIVIL.
23. SPANDREL GLASS
24. NEW SECURITY CAMERA
25. CUSTOMER PROVIDED SIGN PANELS. PANELS TO BE MOUNTED TO FASCIA BY GC (WHEN PROVIDED) IN CUSTOMER SPECIFIED LOCATION USING PROPER HARDWARE AND FASTENERS (NON-CORROSIVE)
26. STUCCO - COLOR: SHERWIN WILLIAMS SW6993 INKWELL EGGSHELL FINISH
27. STUCCO REVEAL



**1 SIDE EXTERIOR ELEVATION**  
SCALE: 3/8" = 1'-0"

**BLANK WALL SPACE**

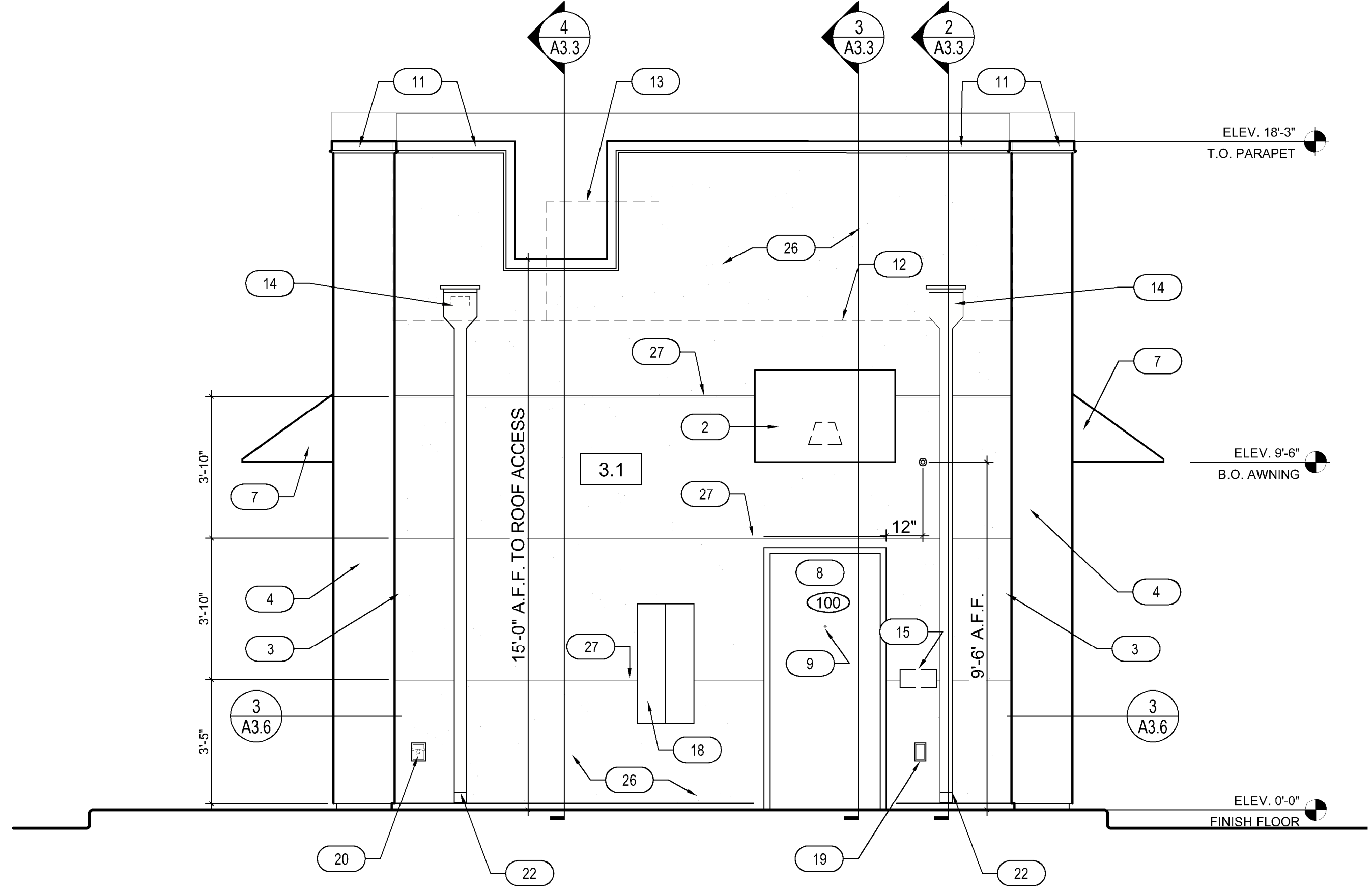
1.1	47.4 SQ FT
1.2	48.8 SQ FT
1.3	48.6 SQ FT
2.1	48.5 SQ FT
2.2	48.8 SQ FT
2.3	47.4 SQ FT
3.1	N/A PER CODE

**MATERIALPERCENTAGES**  
DRIVE THRU SIDE EXTERIOR ELEVATION

TOTAL WALL AREA	723 SQ. FT.	100%
STUCCO - INKWELL	0 SQ. FT.	0%
STUCCO - SKYLINE STEEL	1441 SQ. FT.	199%
CARBON LEDGE STONE	252 SQ. FT.	35%
FIBERON COMPOSITE CLADDING	147 SQ. FT.	20%
FENESTRATION	95 SQ. FT.	13%
TRIMS	74 SQ. FT.	10%

**MATERIALPERCENTAGES**  
BACK EXTERIOR ELEVATION

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



**2 BACK EXTERIOR ELEVATION**  
SCALE: 3/8" = 1'-0"

REV	DATE	DESCRIPTION	BY	ANG
1	12/15/23	EXTERIOR REVISION		
2				
3				
4				
5				
6				
7				
8				
9				

**TITLE: EXTERIOR ELEVATIONS**

PROJECT ADDRESS:  
306 S. MAIN ST.  
ROLESVILLE, NC 27571

FRANCHISEE & STORE NUMBER:  
SCOOTER'S COFFEE #562  
P&S JAVA ENTERPRISES, INC.

KIOSK PROTOTYPE:  
4.1 PROTOTYPE  
MAY 2022

ISSUE DATE:  
08/14/2023

PROJECT NO.  
230522

DRAWN BY:  
NES, ANG

CHECKED BY:  
SW

SHEET NO.

**A2.2**