

MULBERRY TREE DRIVE PROFILE

	American Engineering Associates - Southeast, P.A. 4020 Westchase Boulevard, Suite 450 Raleigh, NC 27607 919-469-1101
	AMERICAN
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	NOUSE STIPULATION FOR REUSE THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON. AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.
	THE PRESERVE AT MOODY FARM ^{CID-24-09} ROLESVILLE ROAD WAKE COUNTY, NC
	JOB NUMBER: 21-002 CHECKED BY: JK
	DRAWN BY: RC & SM DATE: 06/02/2025
	SHEET TITLE: MULBERRY PLAN AND PROFILE
*** 3 Days Before Digging *** North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry http://nc811.org/remoteticketentry.htm	SHEET NO.: C9.1

GRAPHIC SCALE (IN FEET) 1 inch = 50

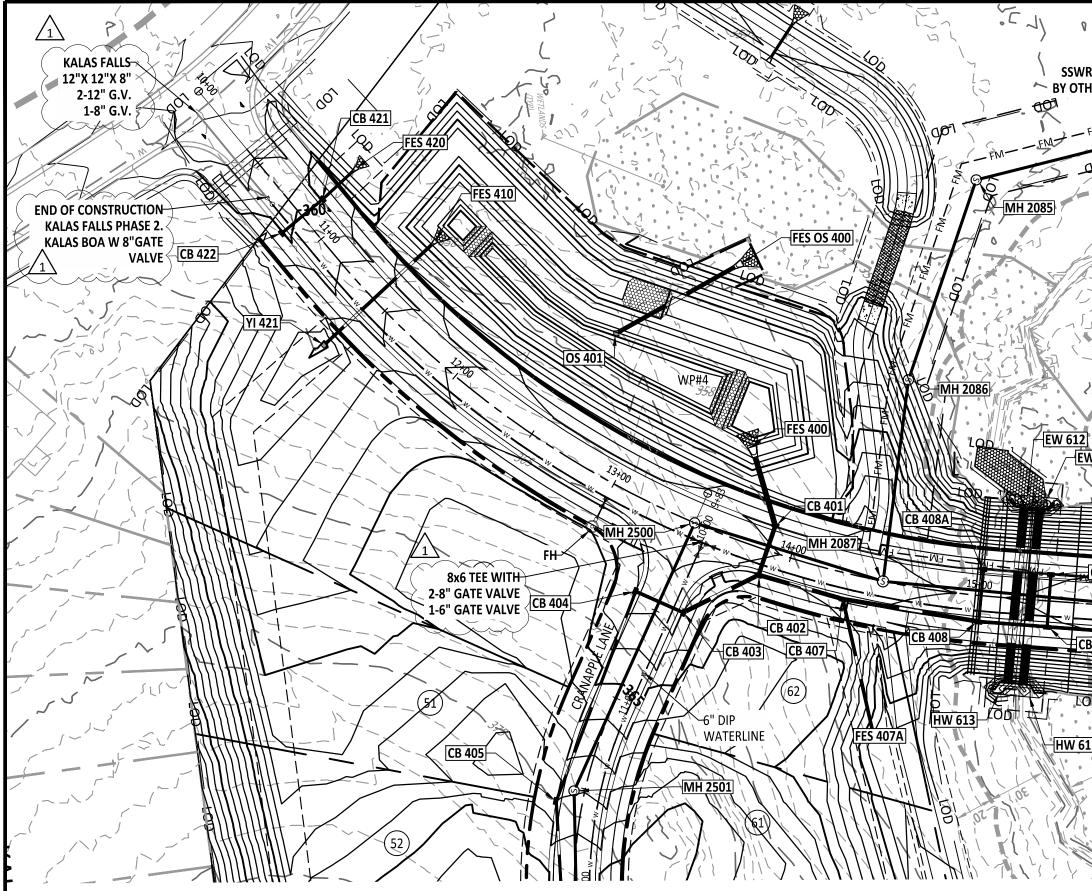
Public

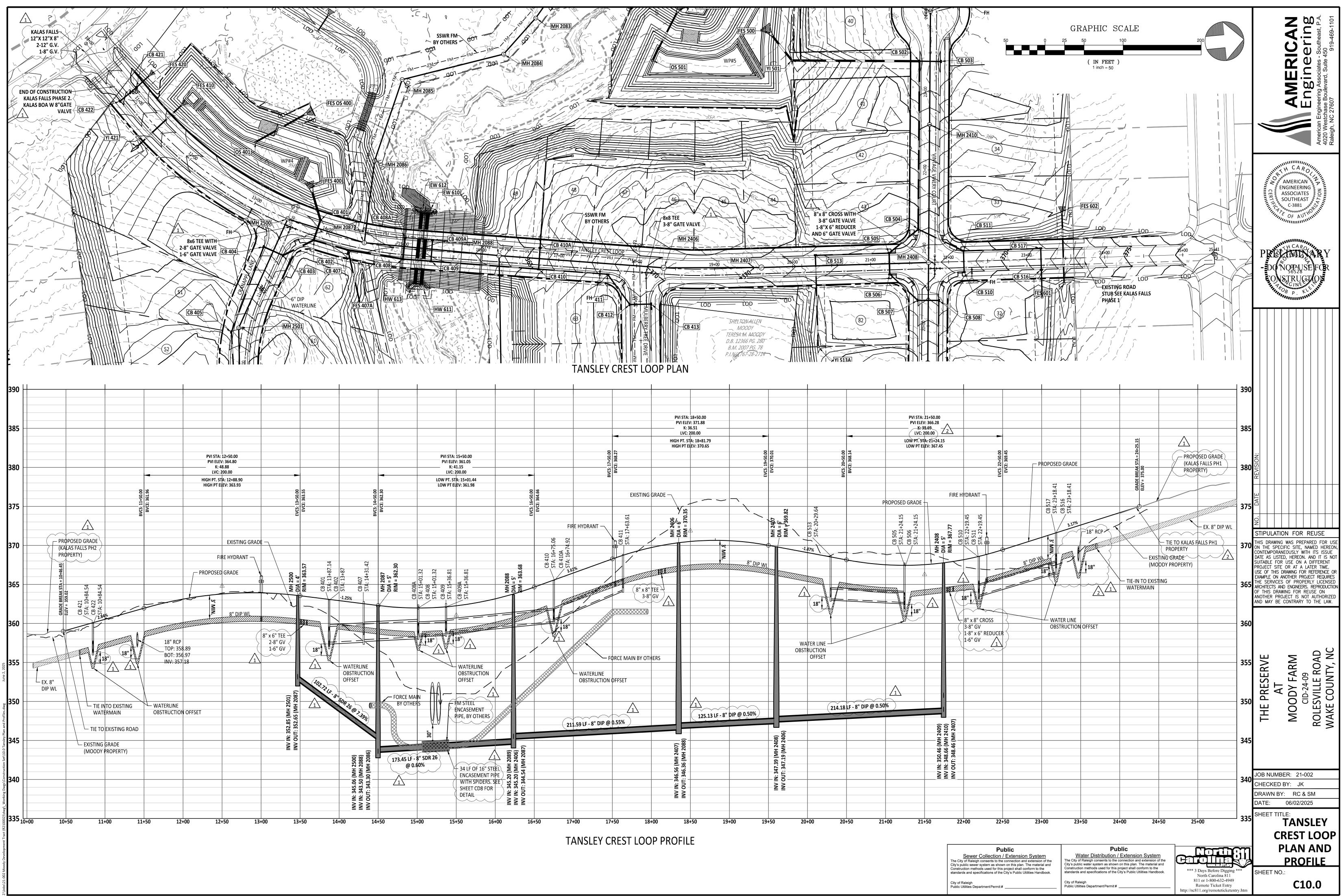
Sewer Collection / Extension System The City of Raleigh consents to the connection and extension of the City's public sewer system as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook.

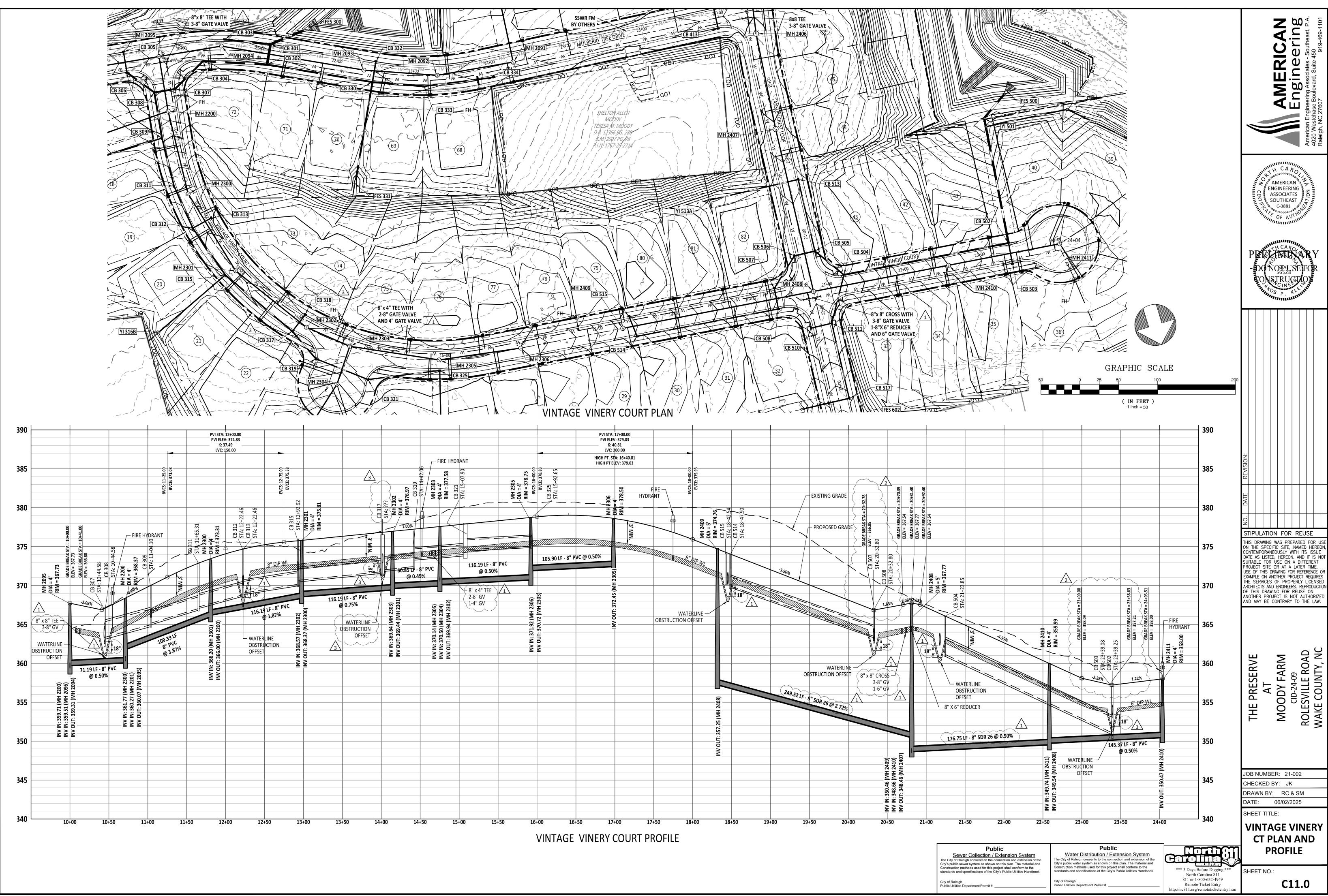
City of Raleigh Public Utilities Department Permit # _

Public
Water Distribution / Extension System
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 #

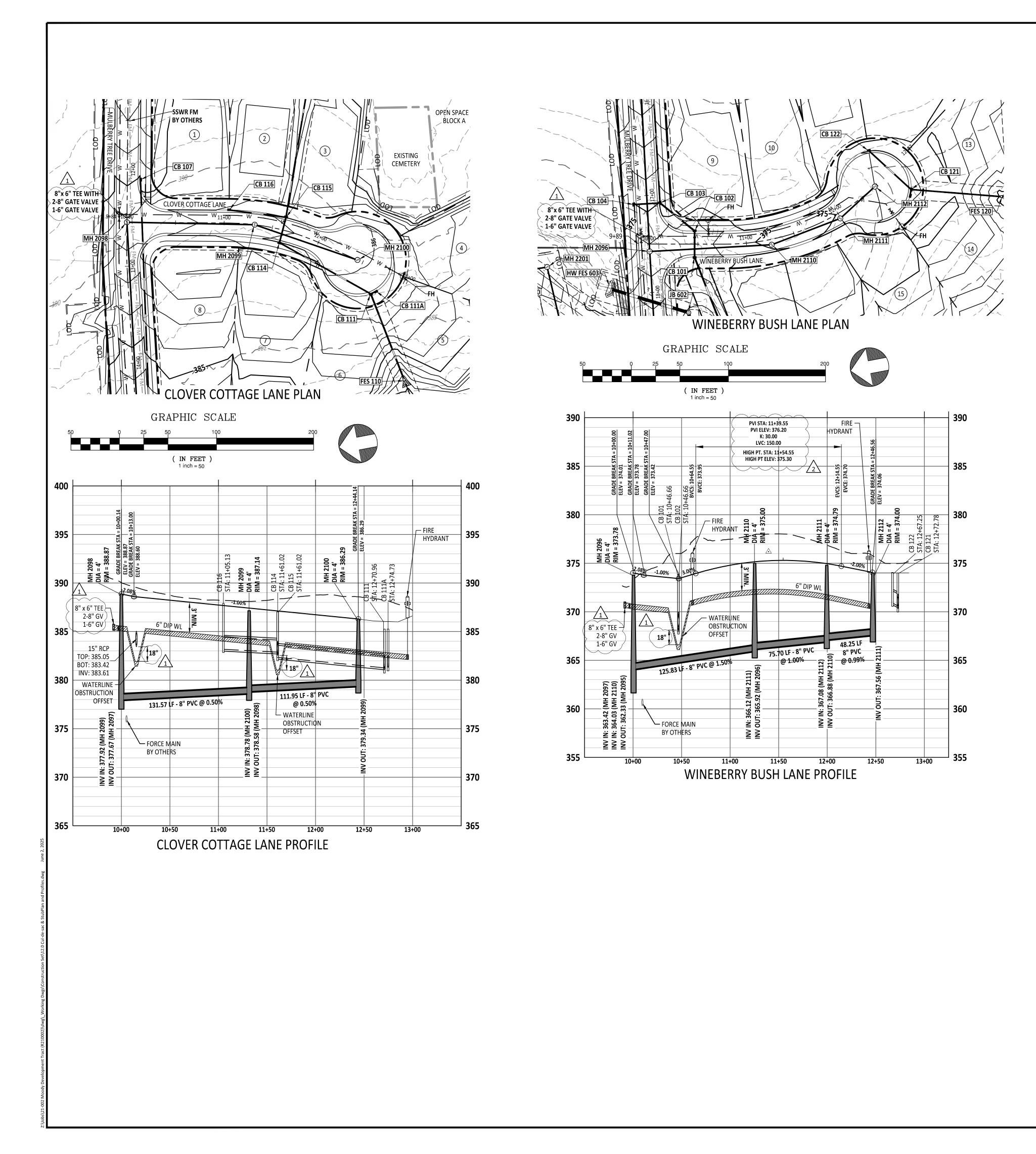
*** 3 Days Before Digging ***

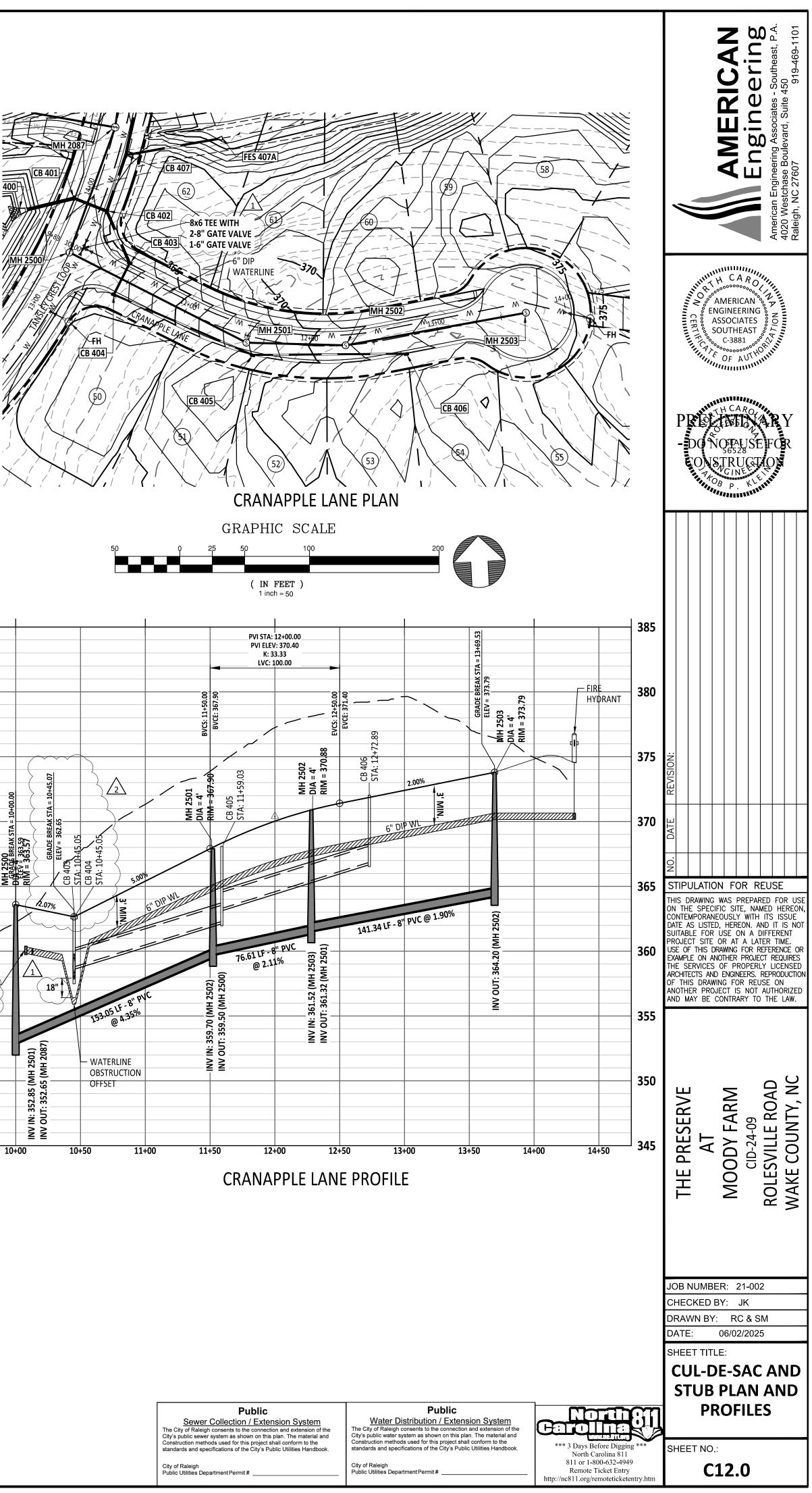


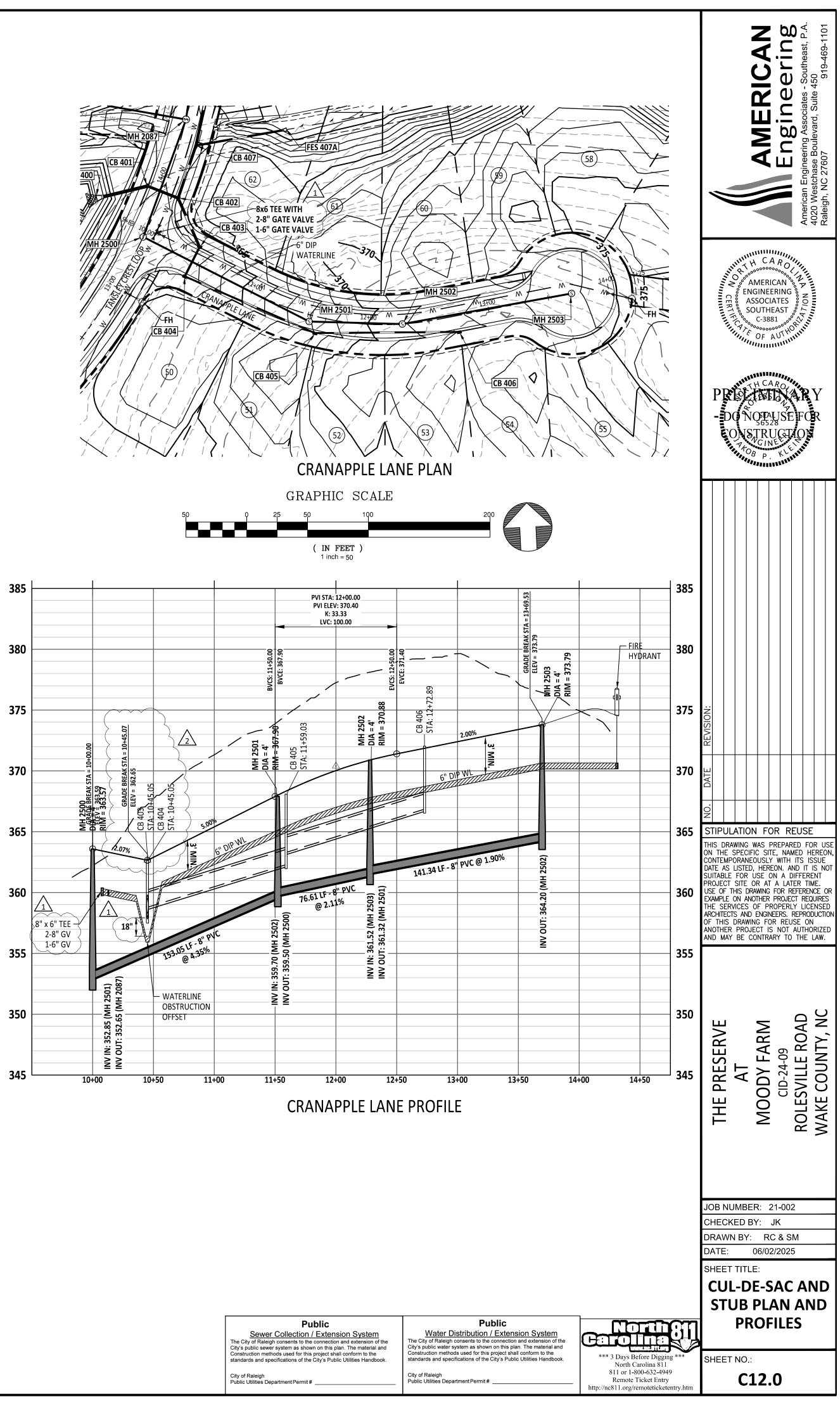


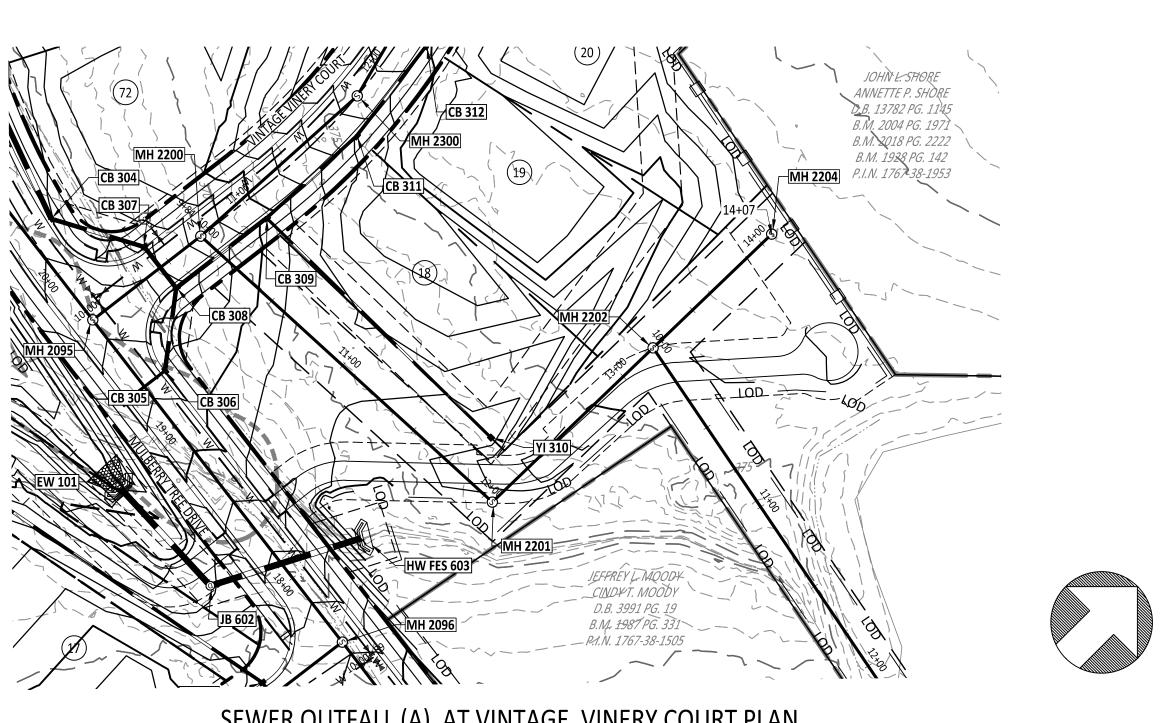


,21-002 Moody Development Tract (R210002)\dwg_Working Dwgs\Construction Set\11.0 Vintage Winery Plan and Profiles.dwg June

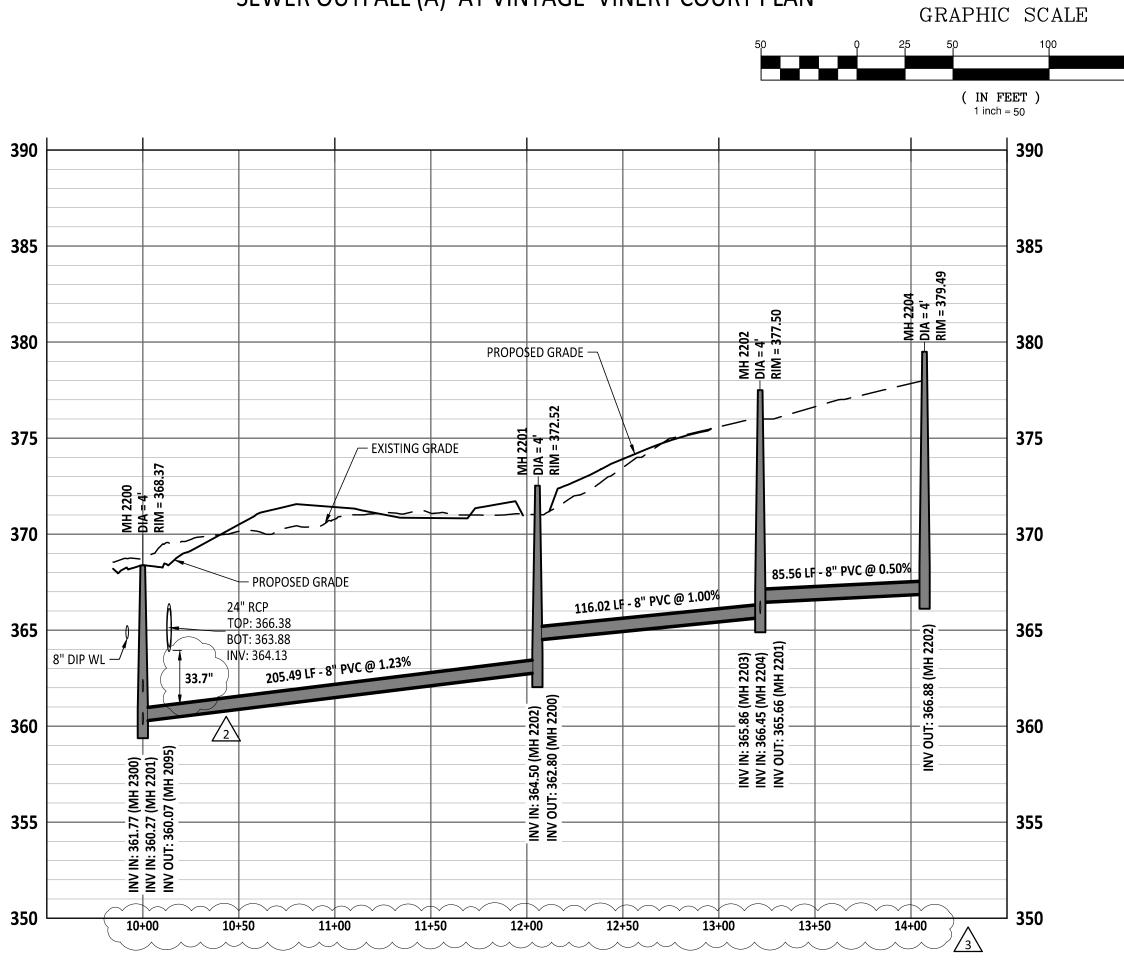




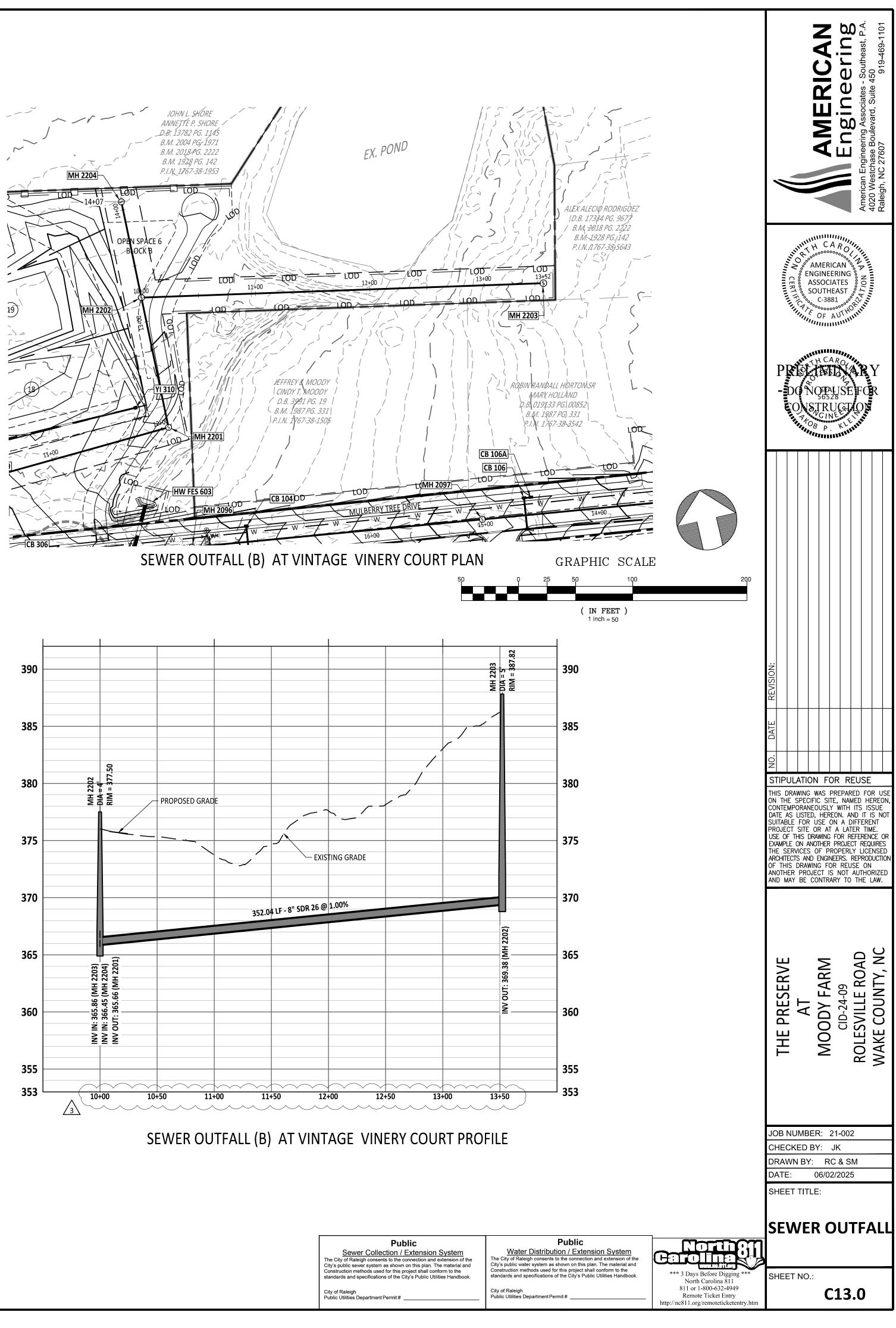


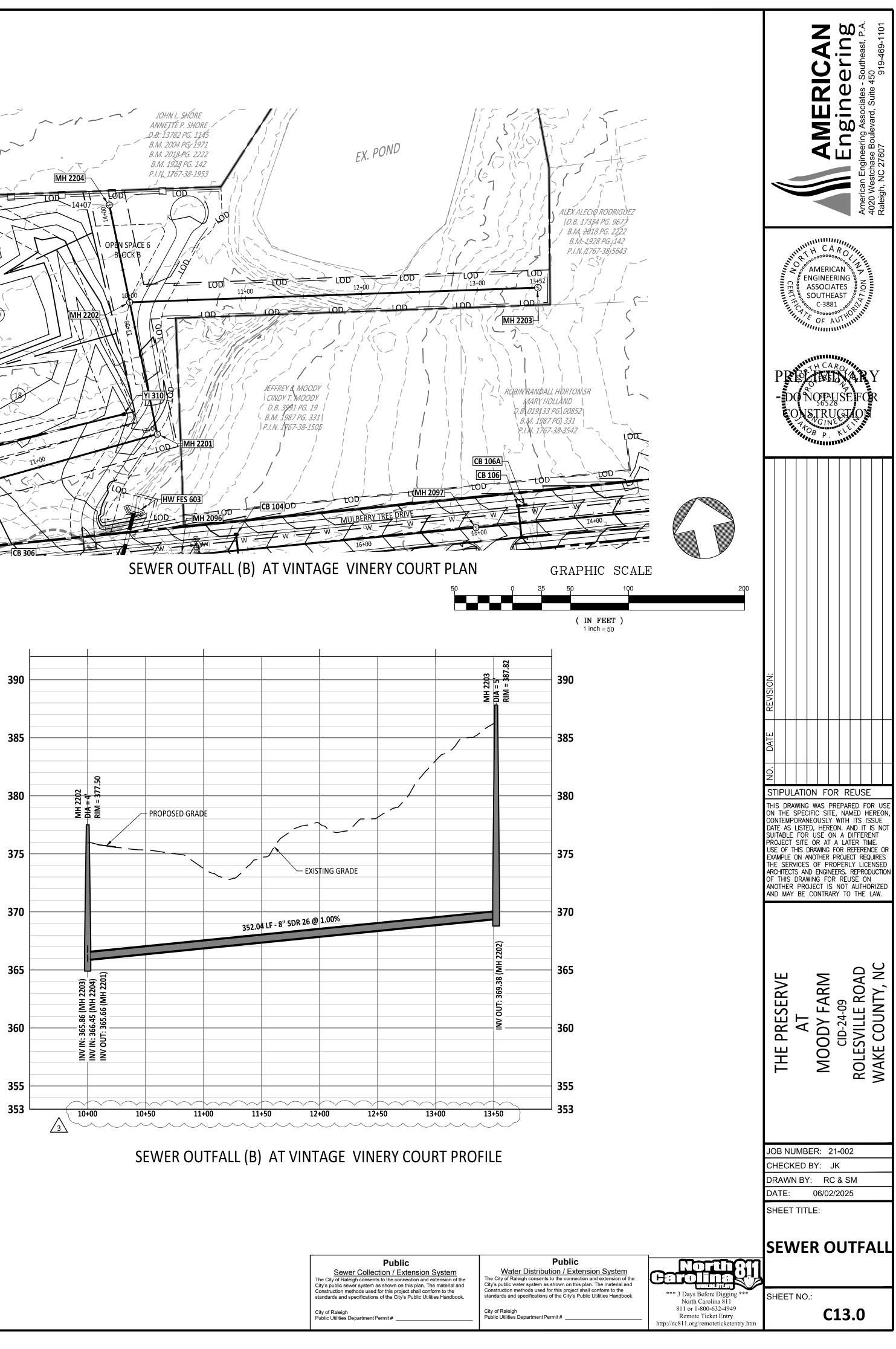


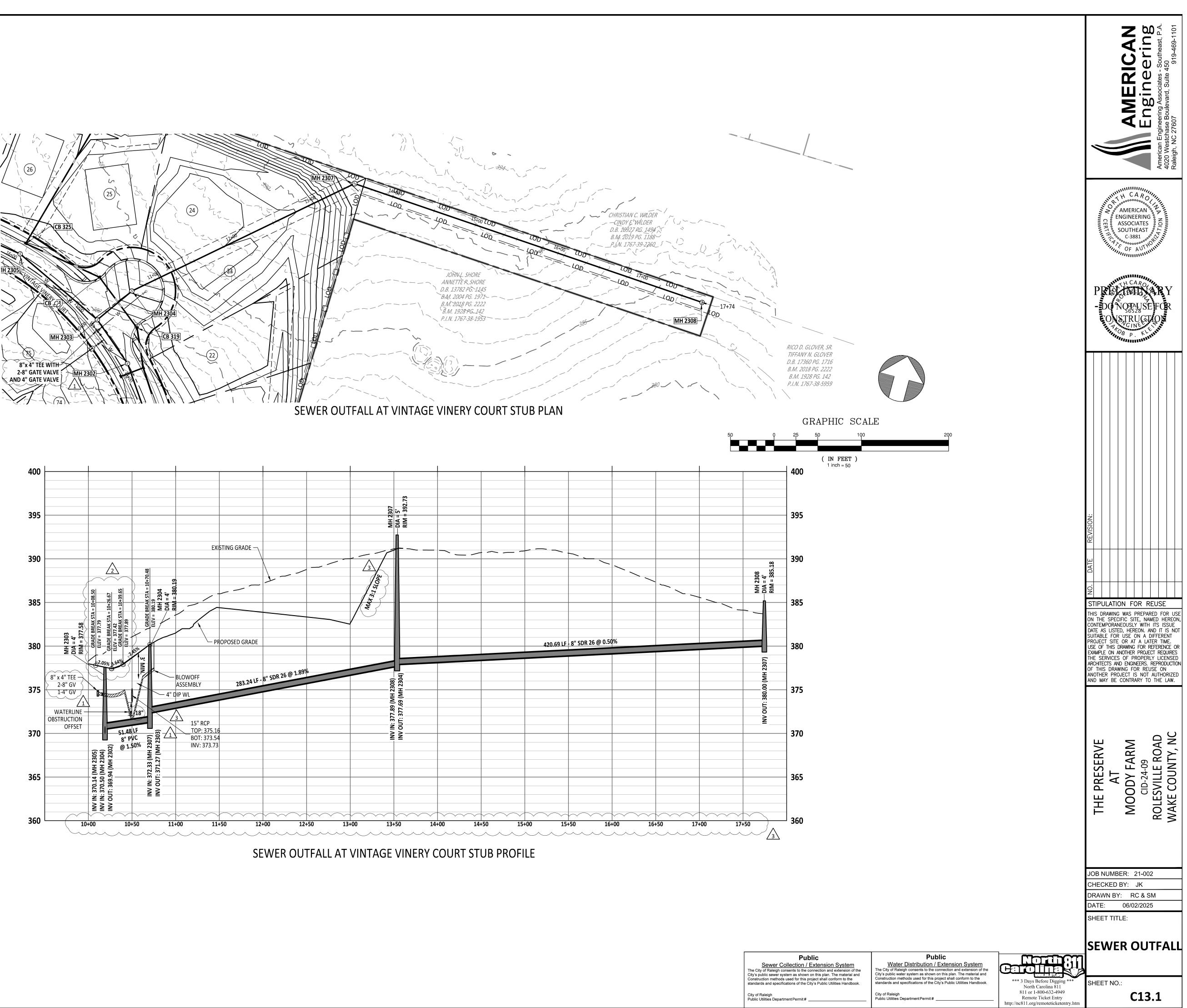


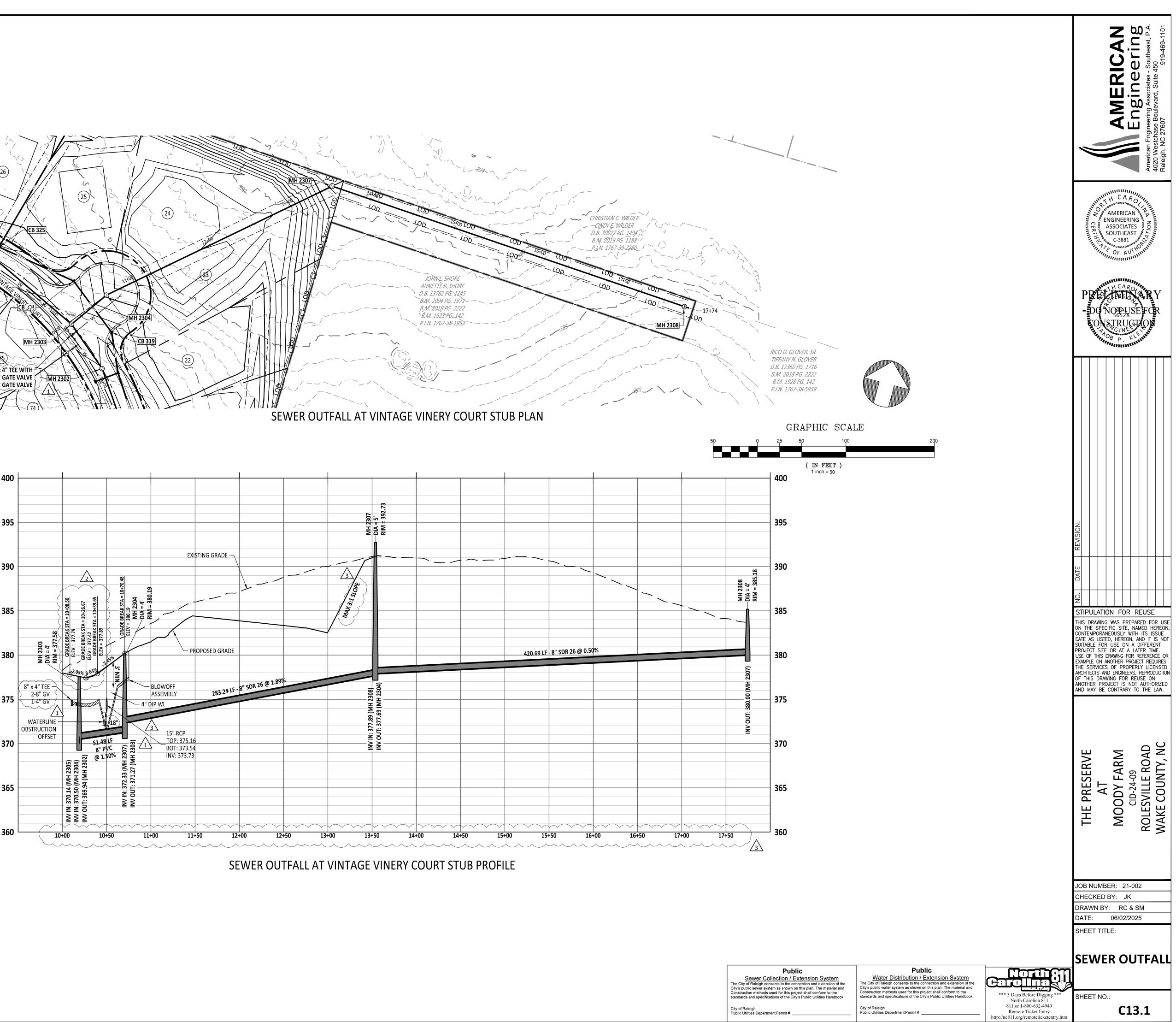


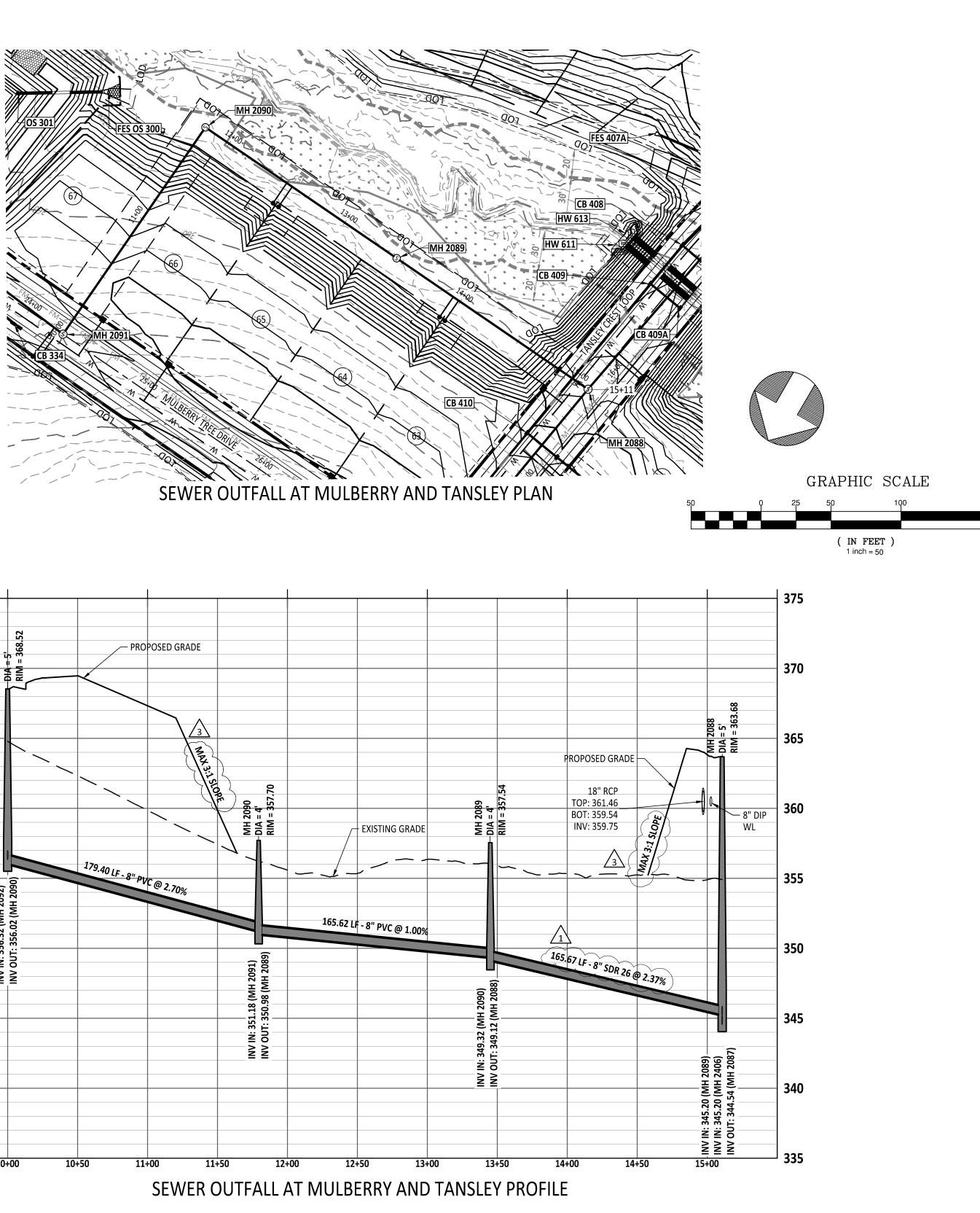
SEWER OUTFALL (A) AT VINTAGE VINERY COURT PROFILE

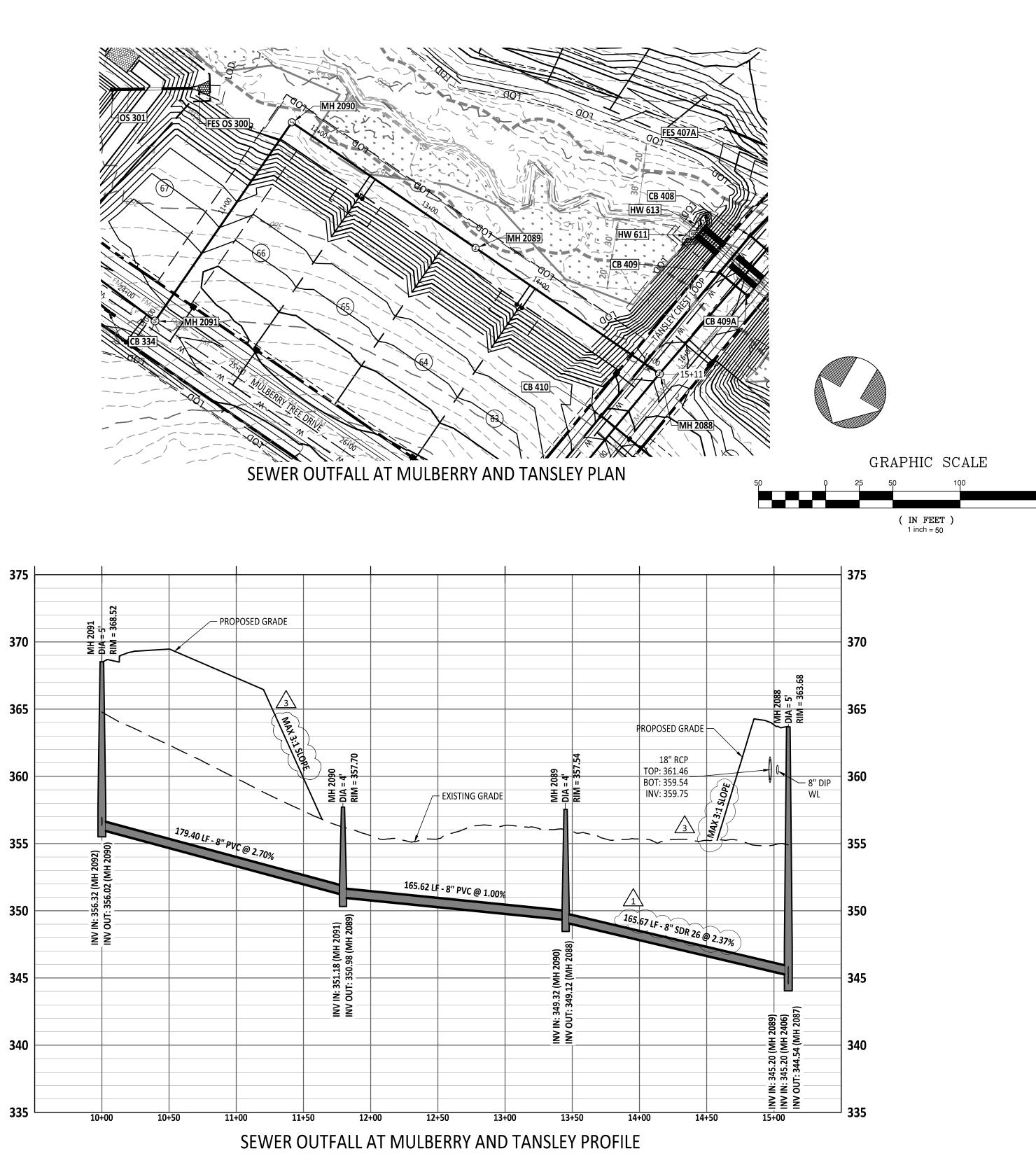








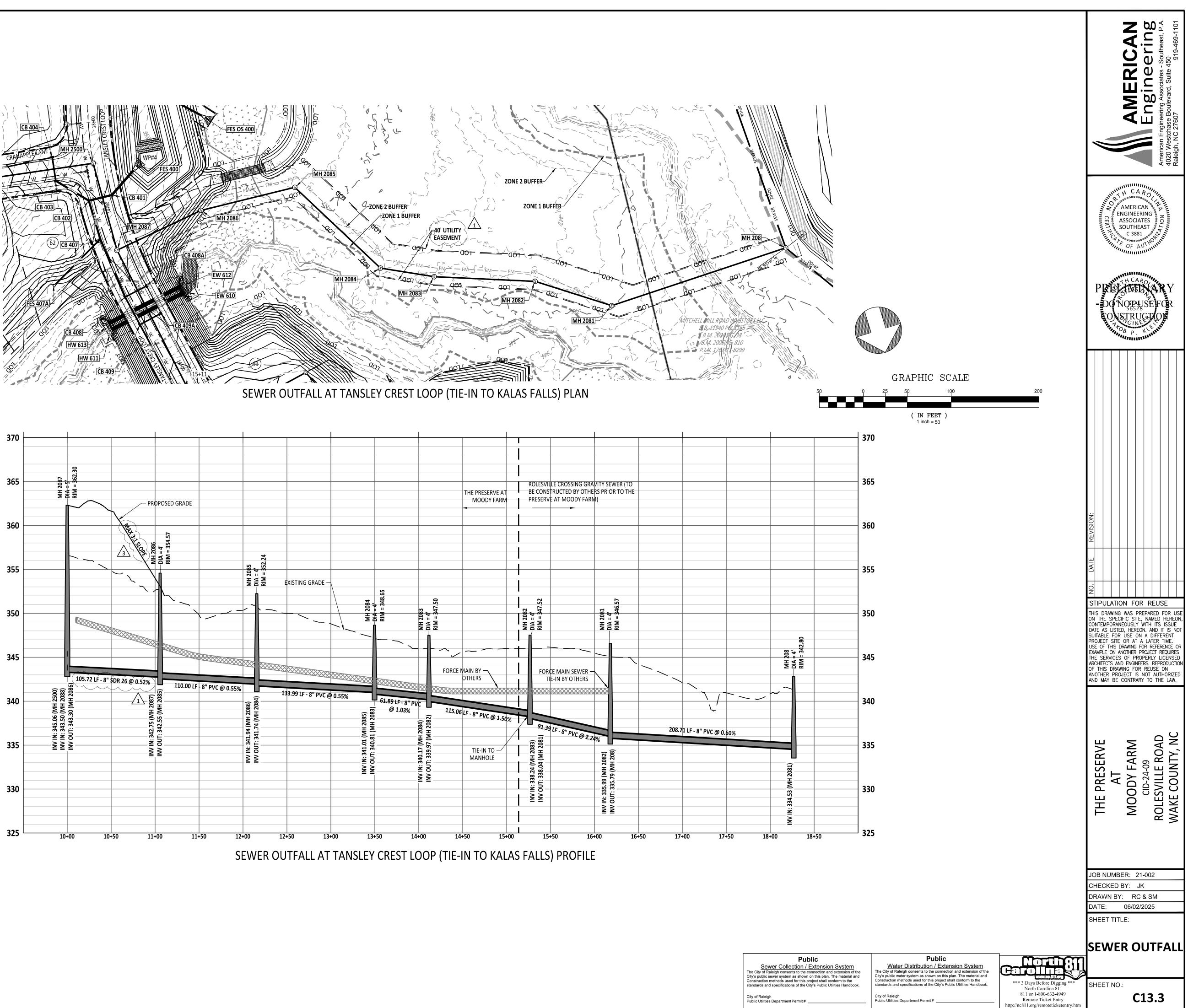


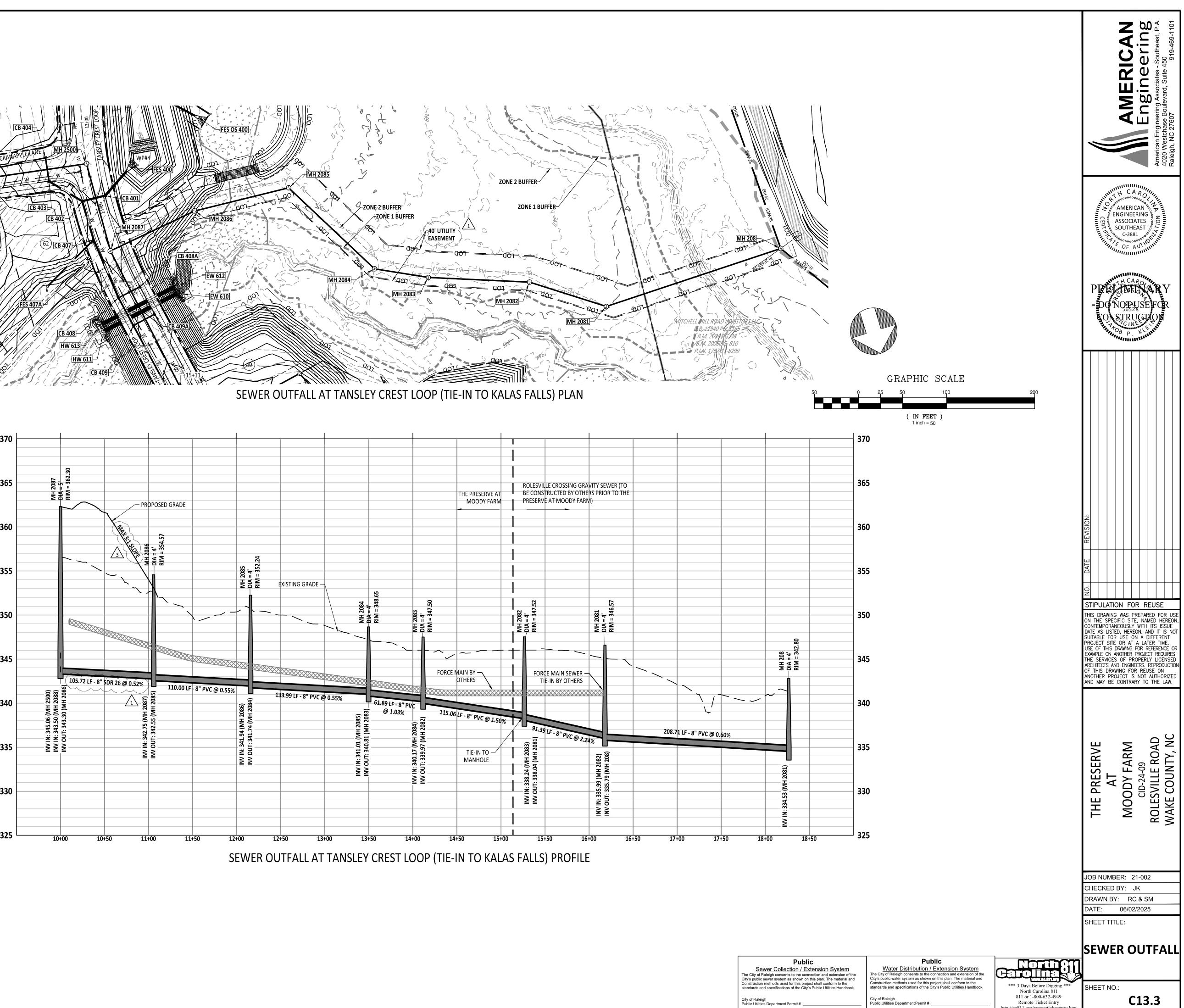


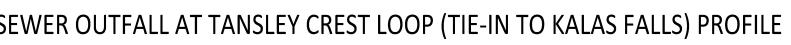
	AMERICAN Engineering Associates - Southeast, P.A. 4020 Westchase Boulevard, Suite 450 Raleigh, NC 27607 919-469-1101
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	THE PRESERVE AT AT MOODY FARM CID-24-09 CID-24-09 WAKE COUNTY, NC
	JOB NUMBER: 21-002 CHECKED BY: JK DRAWN BY: RC & SM DATE: 06/02/2025 SHEET TITLE: SEWER OUTFALL
*** 3 Days Before Digging *** North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry http://nc811.org/remoteticketentry.htm	SEVVER OUTFALL SHEET NO.: C13.2

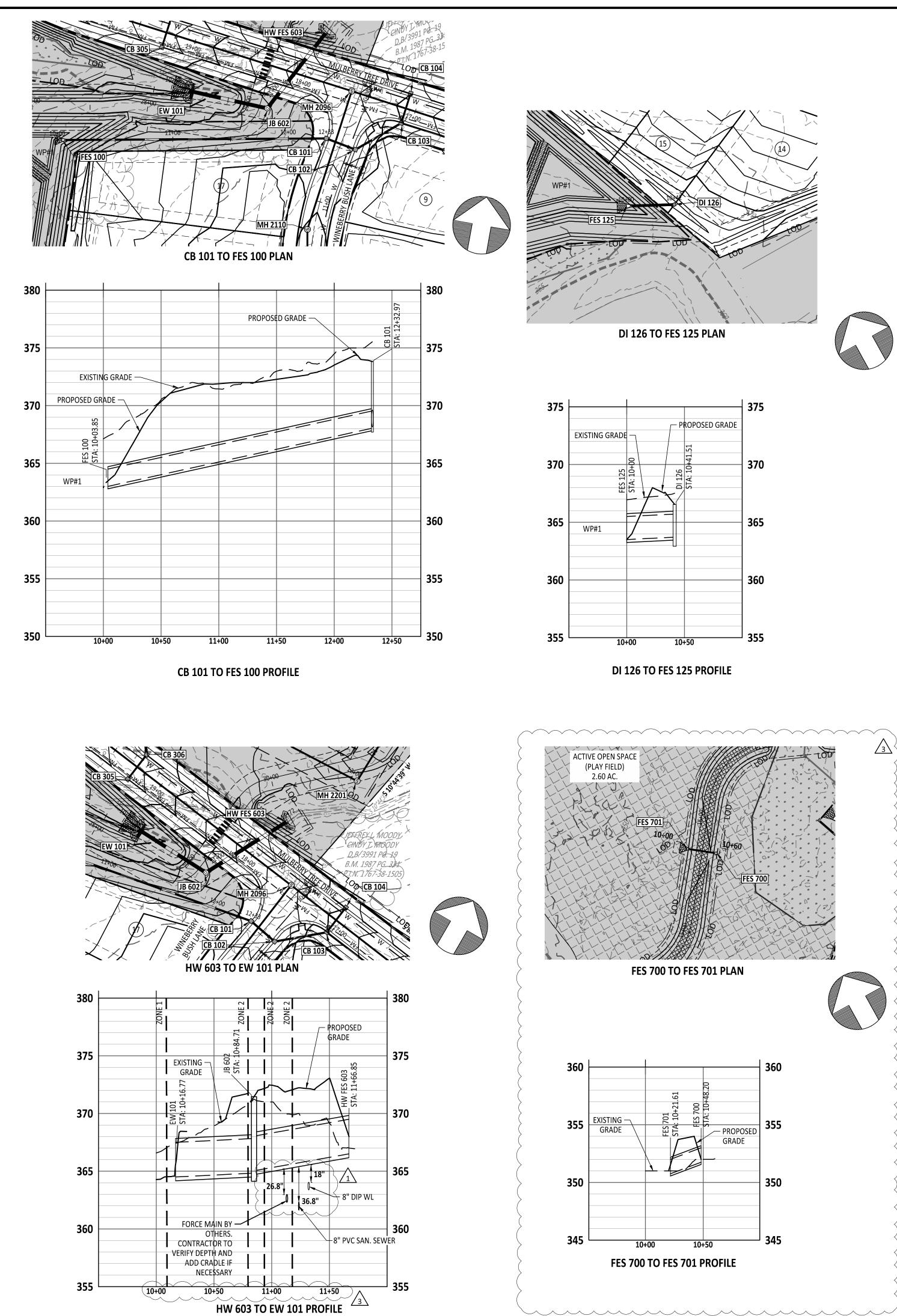
Public
Sewer Collection / Extension System
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City of Raleigh Public Utilities Department Permit #

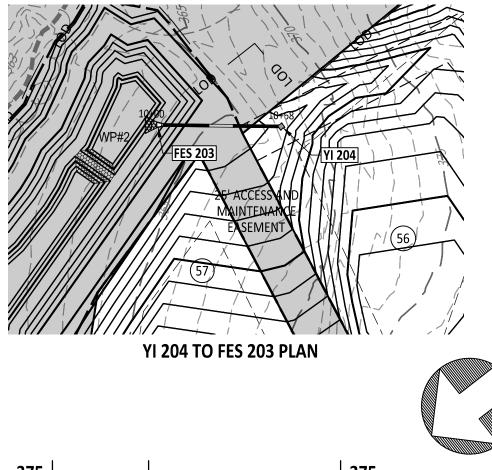
Public
Water Distribution / Extension System
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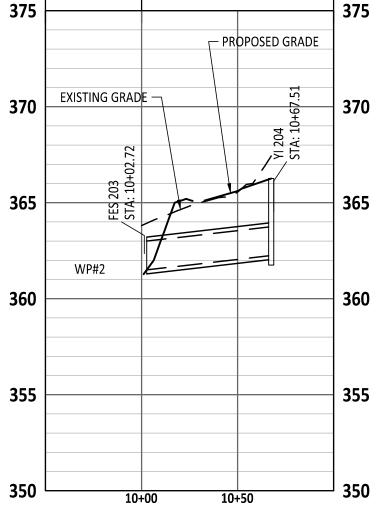




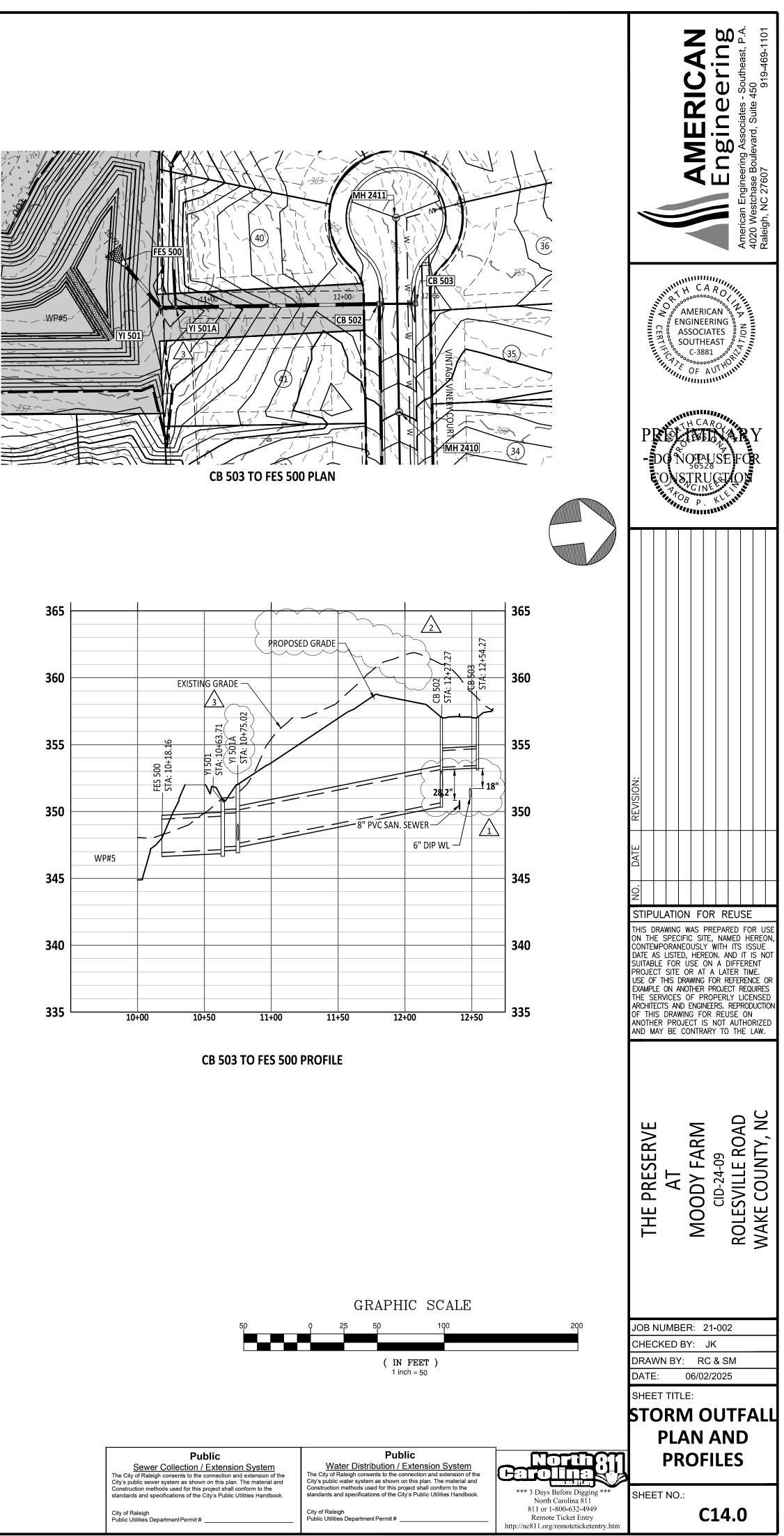


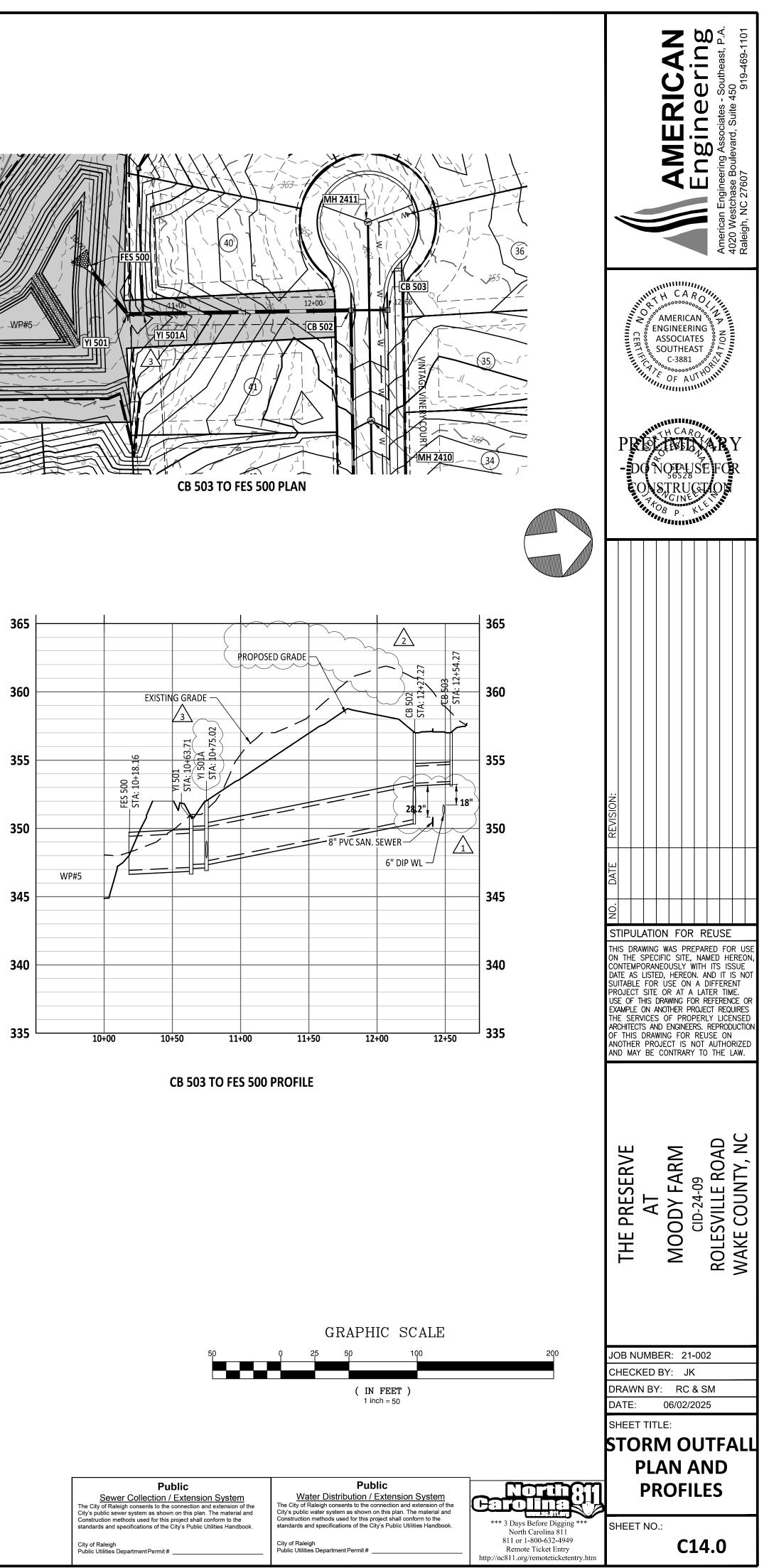


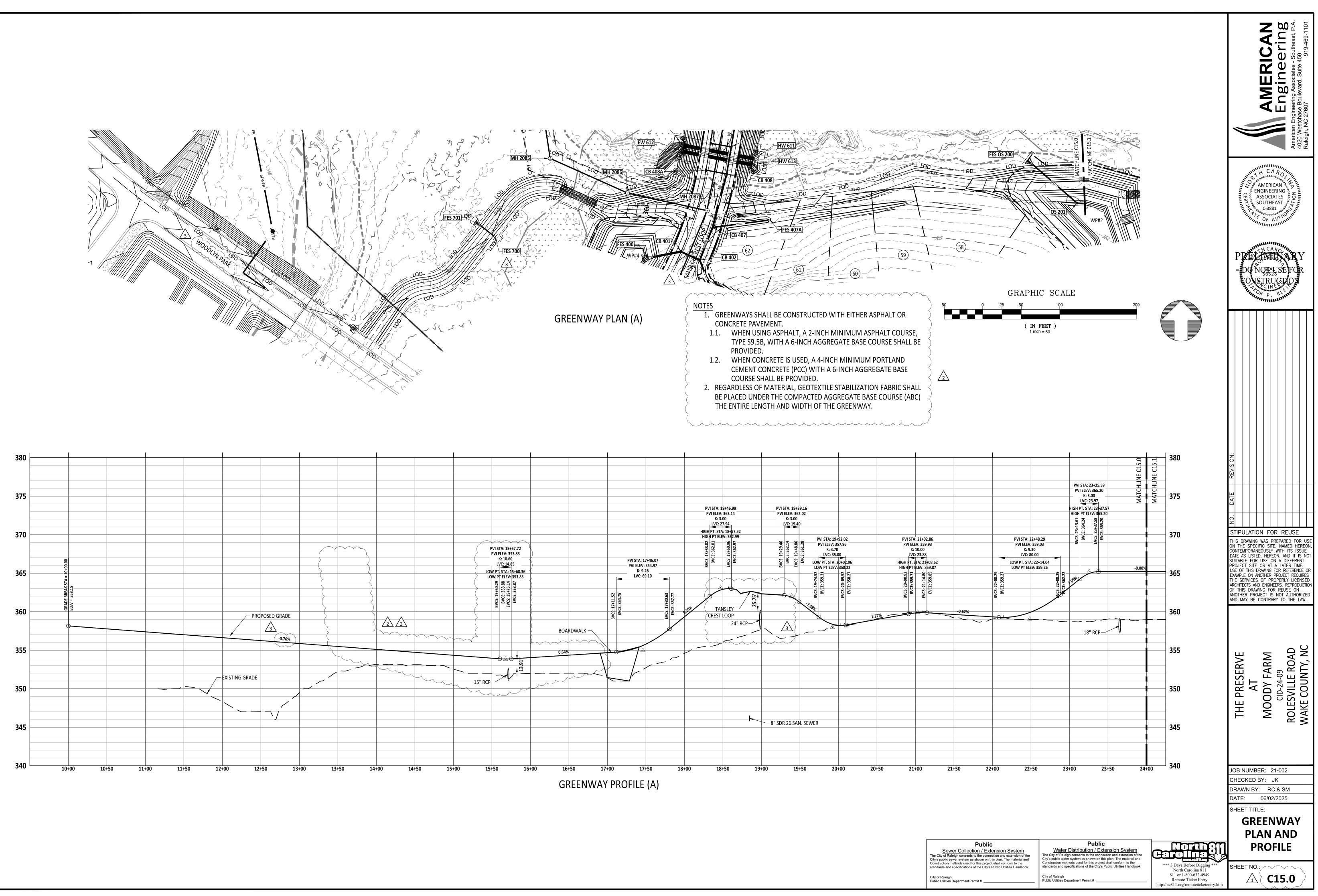




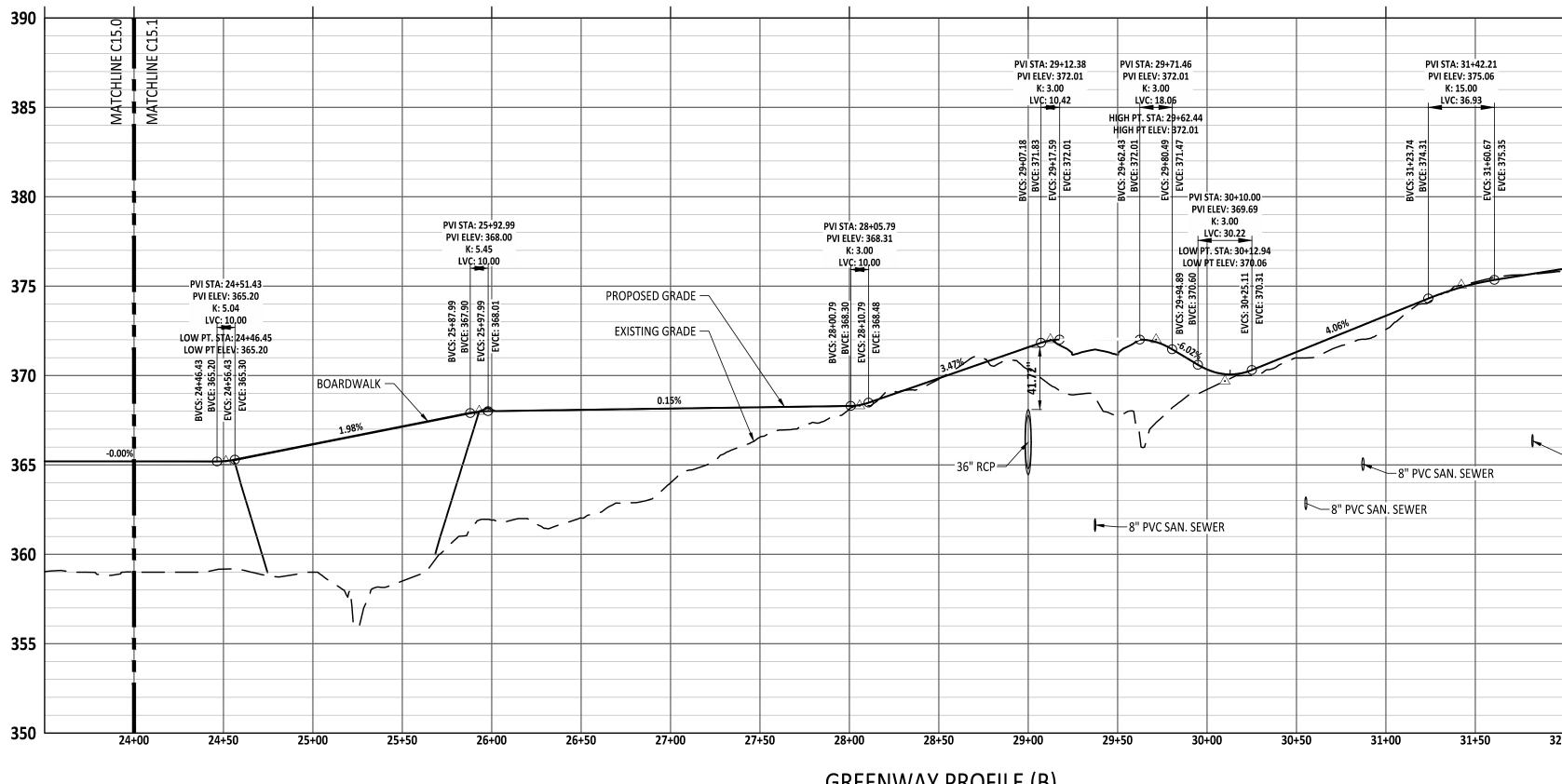








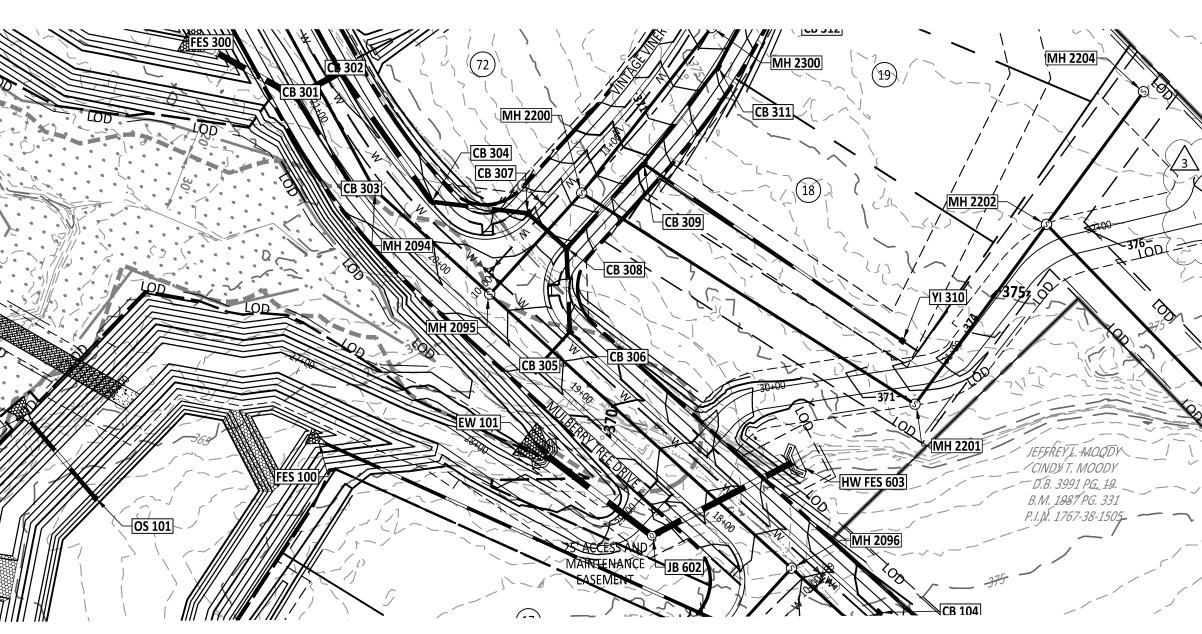
-002 Moody Development Tract (R210002)\dwg_Working Dwgs\Construction Set\15.0 Greenway Plan and Profile.dwg



NOTES 1. GREENWAYS SHALL BE CONSTRUCTED WITH EITHER ASPHALT OR CONCRETE PAVEMENT. 1.1. WHEN USING ASPHALT, A 2-INCH MINIMUM ASPHALT COURSE, TYPE S9.5B, WITH A 6-INCH AGGREGATE BASE COURSE SHALL BE PROVIDED. 1.2. WHEN CONCRETE IS USED, A 4-INCH MINIMUM PORTLAND CEMENT CONCRETE (PCC) WITH A 6-INCH AGGREGATE BASE COURSE SHALL BE PROVIDED. 2. REGARDLESS OF MATERIAL, GEOTEXTILE STABILIZATION FABRIC SHALL

2

BE PLACED UNDER THE COMPACTED AGGREGATE BASE COURSE (ABC) THE ENTIRE LENGTH AND WIDTH OF THE GREENWAY.



GREENWAY PLAN (B)

GREENWAY PROFILE (B)

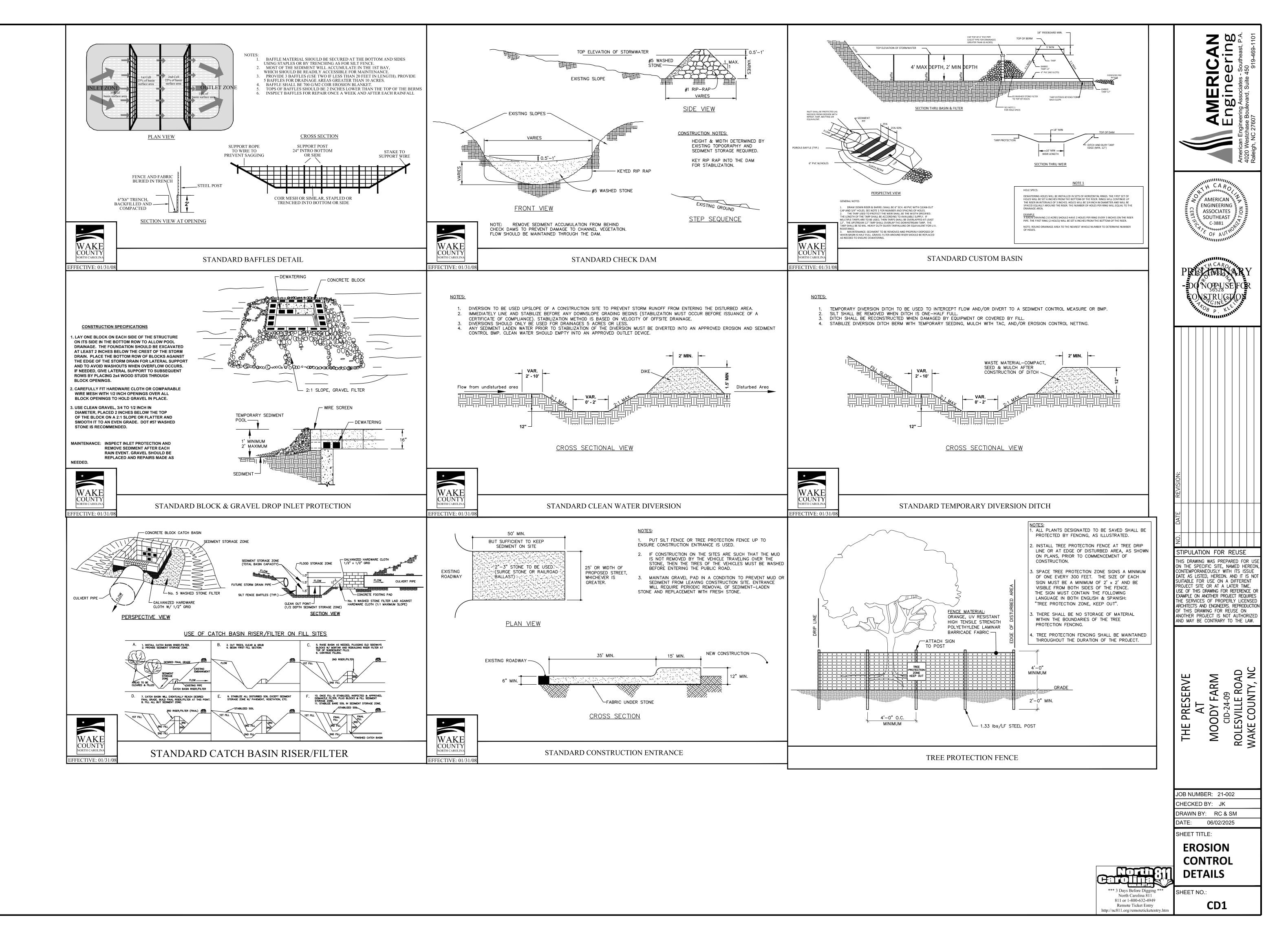
JOHN L. SHORE ANNETTE P. SHORE D.B. 13782 PG-1145 B.M. 2004 PG. 1971 B.M. 2018 PG. 2222				American Engineering Associates - Southeast, P.A. 4020 Westchase Boulevard, Suite 450 Raleigh, NC 27607 919-469-1101
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Cade Break STA = 32+88.70 GRADE BREAK STA = 32+88.70 ELEV = 377.39 T.260	385			NO. DATE REVISION:
-8" SDR 26 SAN. SEWER	375			STIPULATION FOR REUSE THIS DRAWING WAS PREPARED FOR USE ON THE SPECIFIC SITE, NAMED HEREON, CONTEMPORANEOUSLY WITH ITS ISSUE DATE AS LISTED, HEREON. AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.
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Public Sewer Collection / Exter The City of Raleigh consents to the connecti City's public sewer system as shown on this Construction methods used for this project s standards and accelifactions of the City's Public	on and extension of the plan. The material and hall conform to the Construction method	Public istribution / Extension System consents to the connection and extension of the ystem as shown on this plan. The material and ds used for this project shall conform to the fifications of the City's Public Utilities Handbook.	*** 3 Days Before Digging ***	CHECKED BY: JK DRAWN BY: RC & SM DATE: 06/02/2025 SHEET TITLE: GREENWAY PLAN AND PROFILE
standards and specifications of the City's Pu City of Raleigh	blic Utilities Handbook. standards and speci City of Raleigh	meations of the City's Public Utilities Handbook.	North Carolina 811 811 or 1-800-632-4949	

City of Raleigh Public Utilities Department Permit #

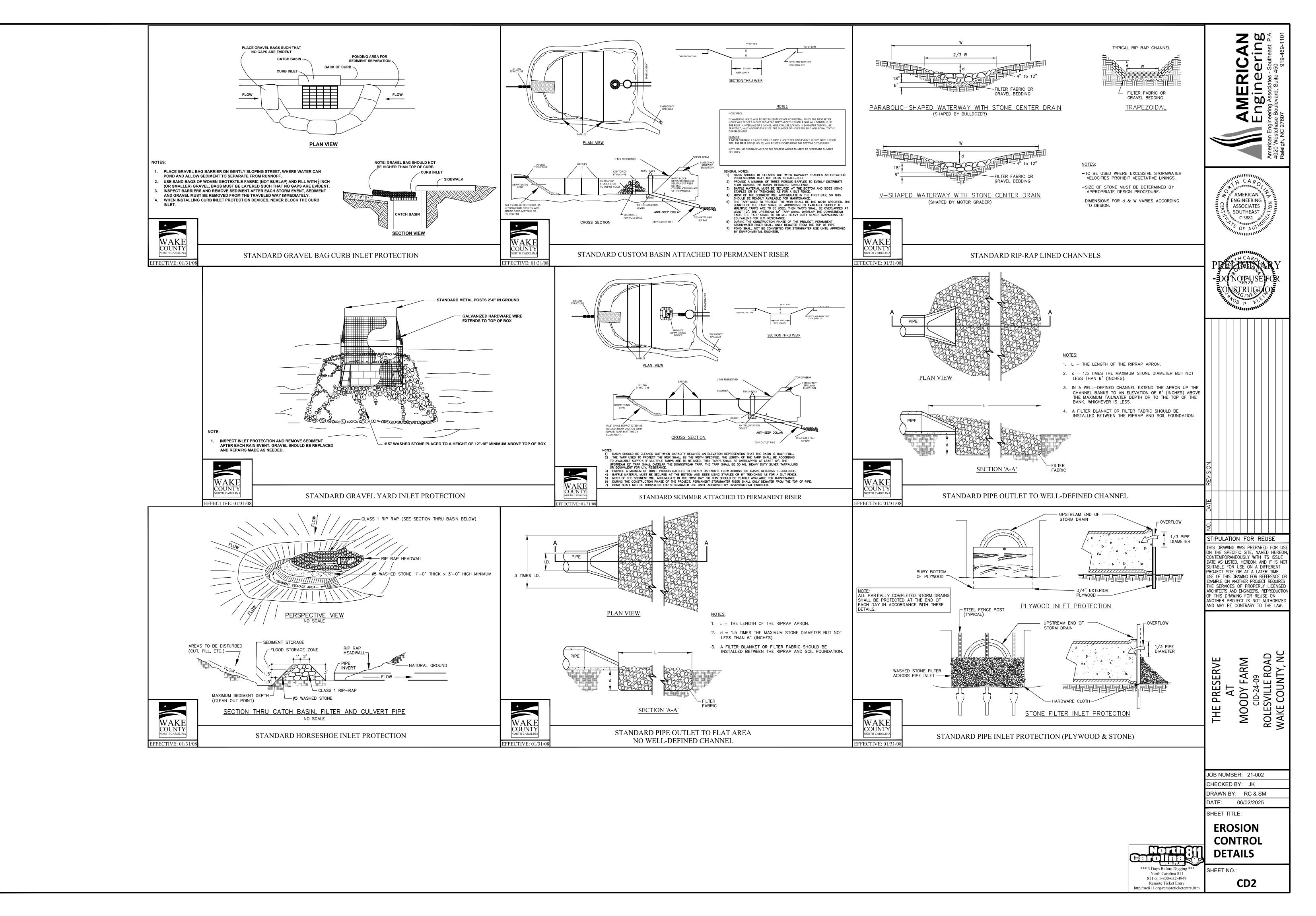
standards and specifications of the City's Public Utilities Handbook. City of Raleigh Public Utilities DepartmentPermit#

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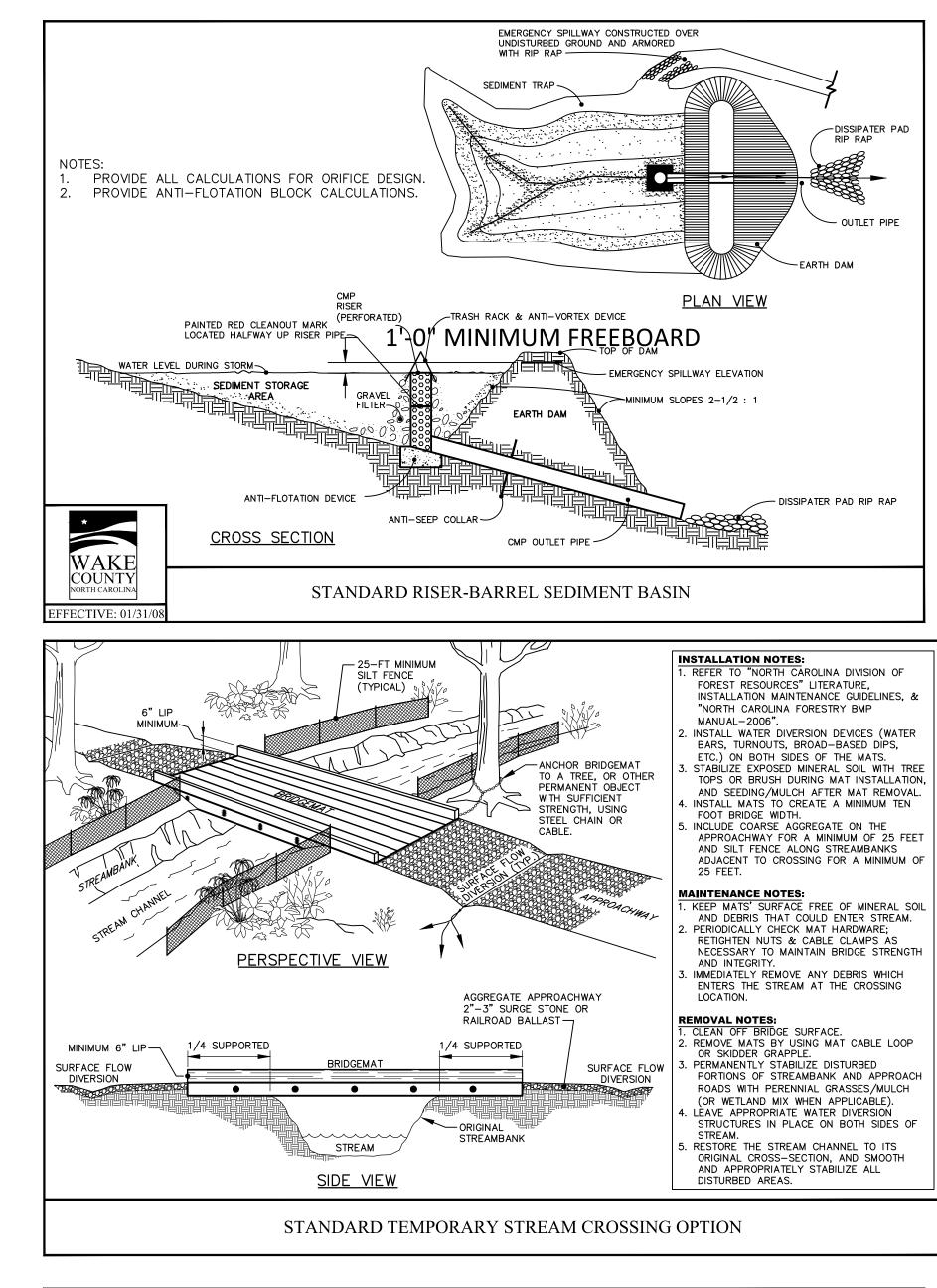
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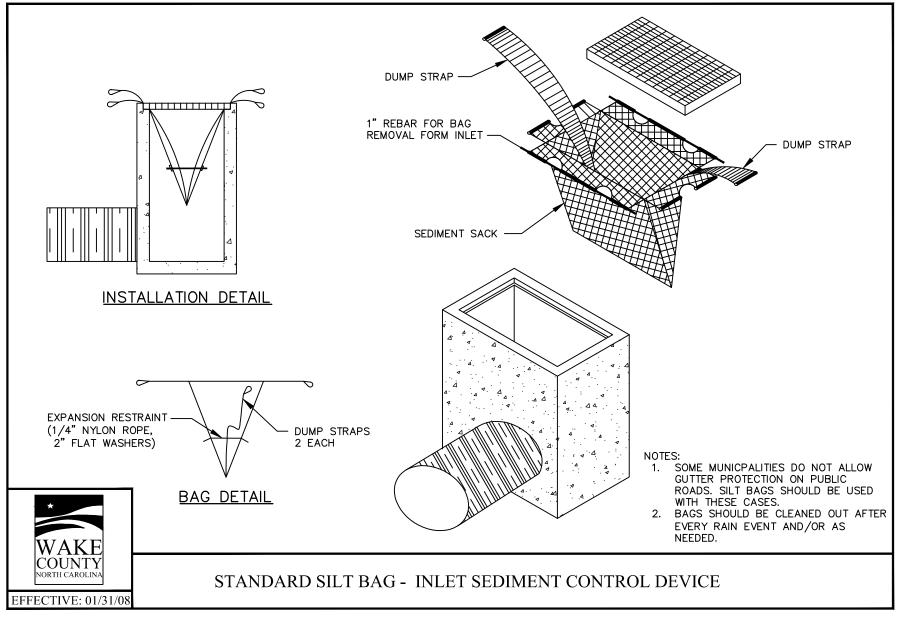


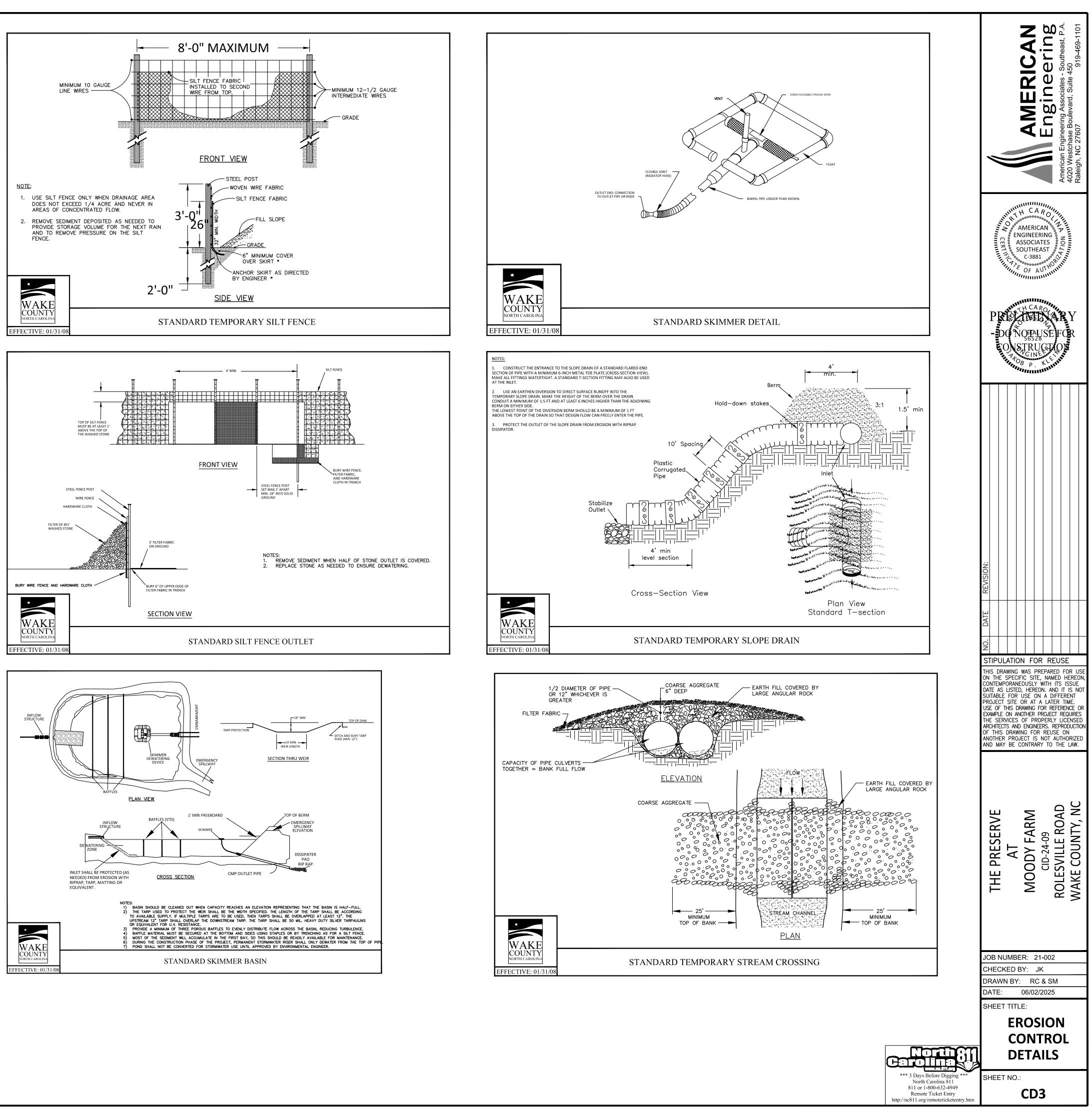


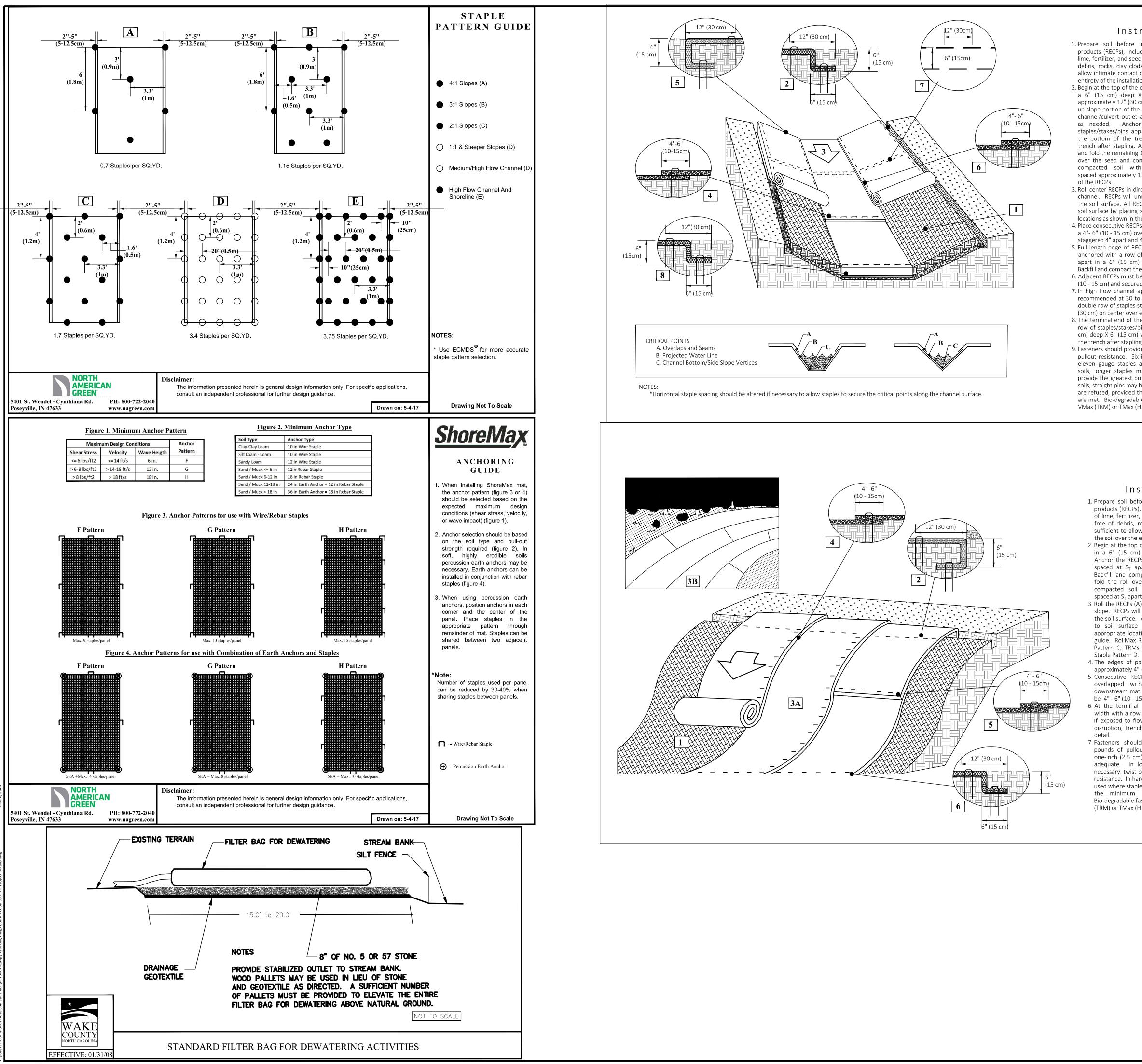


\21-002 Moody Development Tract (R210002)\dwg_Working Dwgs\Construction Set\CD1 Project Details.dwg









Instructions

1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed. Ground surface must be free of debris, rocks, clay clods and raked smooth sufficient to allow intimate contact of the RECP with the soil over the entirety of the installation.

2. Begin at the top of the channel by anchoring the RECPs in a 6" (15 cm) deep X 6" (15 cm) wide trench with approximately 12" (30 cm) of RECPs extended beyond the up-slope portion of the trench. Use ShoreMax mat at the channel/culvert outlet as supplemental scour protection as needed. Anchor the RECPs with a row of staples/stakes/pins approximately 12" (30 cm) apart in the bottom of the trench. Backfill and compact the trench after stapling. Apply seed to the compacted soil and fold the remaining 12" (30 cm) portion of RECPs back over the seed and compacted soil. Secure RECPs over compacted soil with a row of staples/stakes/pins spaced approximately 12" (30 cm) apart across the width

3. Roll center RECPs in direction of water flow in bottom of channel. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes/pins in appropriate locations as shown in the staple pattern guide.

4. Place consecutive RECPs end-over-end (Shingle style) with a 4"- 6" (10 - 15 cm) overlap. Use a double row of staples staggered 4" apart and 4" on center to secure RECPs. 5. Full length edge of RECPs at top of side slopes must be anchored with a row of staples/stakes/pins spaced at S_T

apart in a 6" (15 cm) deep X 6"(15 cm) wide trench. Backfill and compact the trench after stapling. 6. Adjacent RECPs must be overlapped approximately 4"- 6" (10 - 15 cm) and secured with staples/stakes/pins at S $_{ au}$. 7. In high flow channel applications a staple check slot is

recommended at 30 to 40 foot (9 -12m) intervals. Use a double row of staples staggered 6" (15 cm) apart and 12" (30 cm) on center over entire width of the channel. 8. The terminal end of the RECPs must be anchored with a

row of staples/stakes/pins spaced at S_T apart in a 6" (15 cm) deep X 6" (15 cm) wide trench. Backfill and compact the trench after stapling.

9. Fasteners should provide a minimum of twenty pounds of pullout resistance. Six-inch (10 cm) X one-inch (2.5 cm) eleven gauge staples are typically adequate. In loose soils, longer staples may be necessary, twist pins can provide the greatest pullout resistance. In hard or rocky soils, straight pins may by used where staples or twist pins are refused, provided the minimum pullout requirements are met. Bio-degradable fasteners shall not be used with VMax (TRM) or TMax (HPTRM) materials.

Instructions

1. Prepare soil before installing rolled erosion control products (RECPs), including any necessary application of lime, fertilizer, and seed. Ground surface must be free of debris, rocks, clay clods and raked smooth sufficient to allow intimate contact of the RECP with the soil over the entirety of the installation.

2. Begin at the top of the slope by anchoring the RECPs in a 6" (15 cm) deep X 6" (15 cm) wide trench. Anchor the RECPs with a row of staples/stakes/pins spaced at S_T apart in the bottom of the trench. Backfill and compact the trench after stapling and fold the roll over downslope. Secure RECPs over compacted soil with a row of staples/stakes/pins spaced at S_T apart across the width of the RECPs.

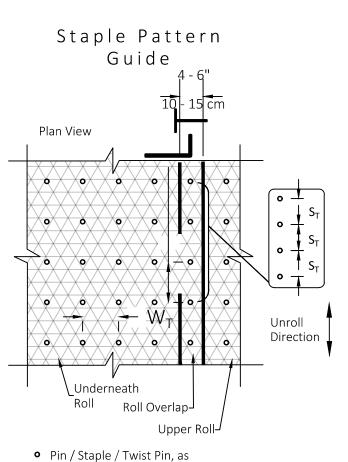
3. Roll the RECPs (A) down or (B) horizontally across the slope. RECPs will unroll with appropriate side against the soil surface. All RECPs must be securely fastened to soil surface by placing staples/stakes/pins in appropriate locations as shown in the staple pattern guide. RollMax RECPs and ECBs should utilize Staple Pattern C, TRMs and VMax materials should utilize

4. The edges of parallel RECPs must be stapled with approximately 4" - 6" (10 - 15 cm) overlap.

5. Consecutive RECPs spliced down the slope must overlapped with the upstream mat atop the downstream mat (shingle style). The overlap should be 4" - 6" (10 - 15 cm). 6. At the terminal end, secure each mat across the

width with a row of staples/stakes/pins spaced at S_T . If exposed to flow, foot traffic, wind uplift or other disruption, trench the terminal end in as shown in

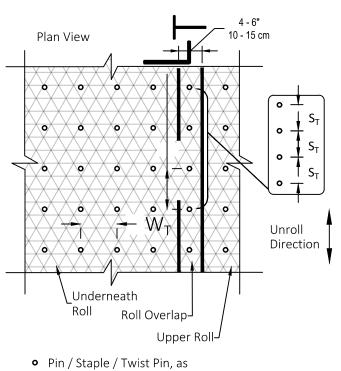
7. Fasteners should provide a minimum of twenty pounds of pullout resistance. Six-inch (10 cm) X one-inch (2.5 cm) eleven gauge staples are typically adequate. In loose soils, longer staples may be necessary, twist pins can provide the greatest pullout resistance. In hard or rocky soils, straight pins may by used where staples or twist pins are refused, provided the minimum pullout requirements are met. Bio-degradable fasteners shall not be used with VMax (TRM) or TMax (HPTRM) materials.



appropriate for field conditions

	Staple Pattern
Dimension	E
W _T	20" (50 cm)
L _T	20" (50 cm)
S _T	18" (45 cm)
Nominal Frequency	3.8 / SY



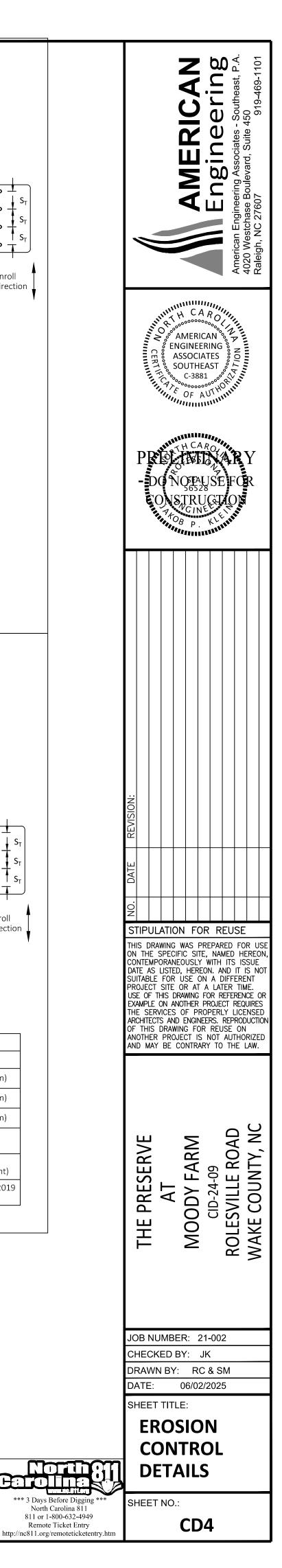


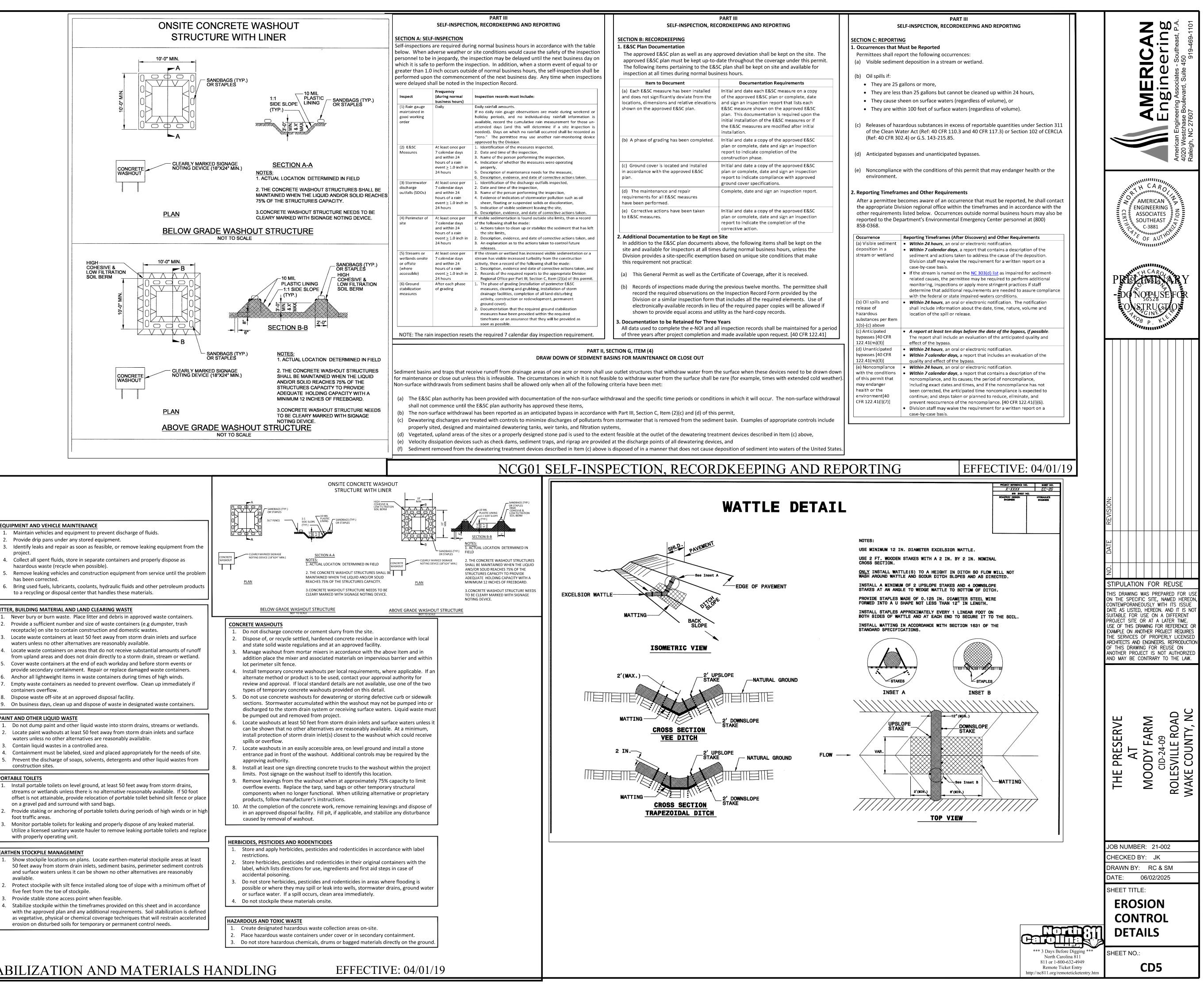
appropriate for field conditions

	Staple Pattern		
Dimension	С	D	
W _T	30" (75 cm)	24" (60 cm)	
LT	30" (75 cm)	20" (50 cm)	
S _T	18" (45 cm)	18" (45 cm)	
Nominal Frequency 1.7 / SY		3.0 / SY	
Application ECB (Degradable)		TRM (Permanent)	
*Note: Staple Pattern A and B used prior to 8/2019 have been discontinued.			

Carolina

North Carolina 811



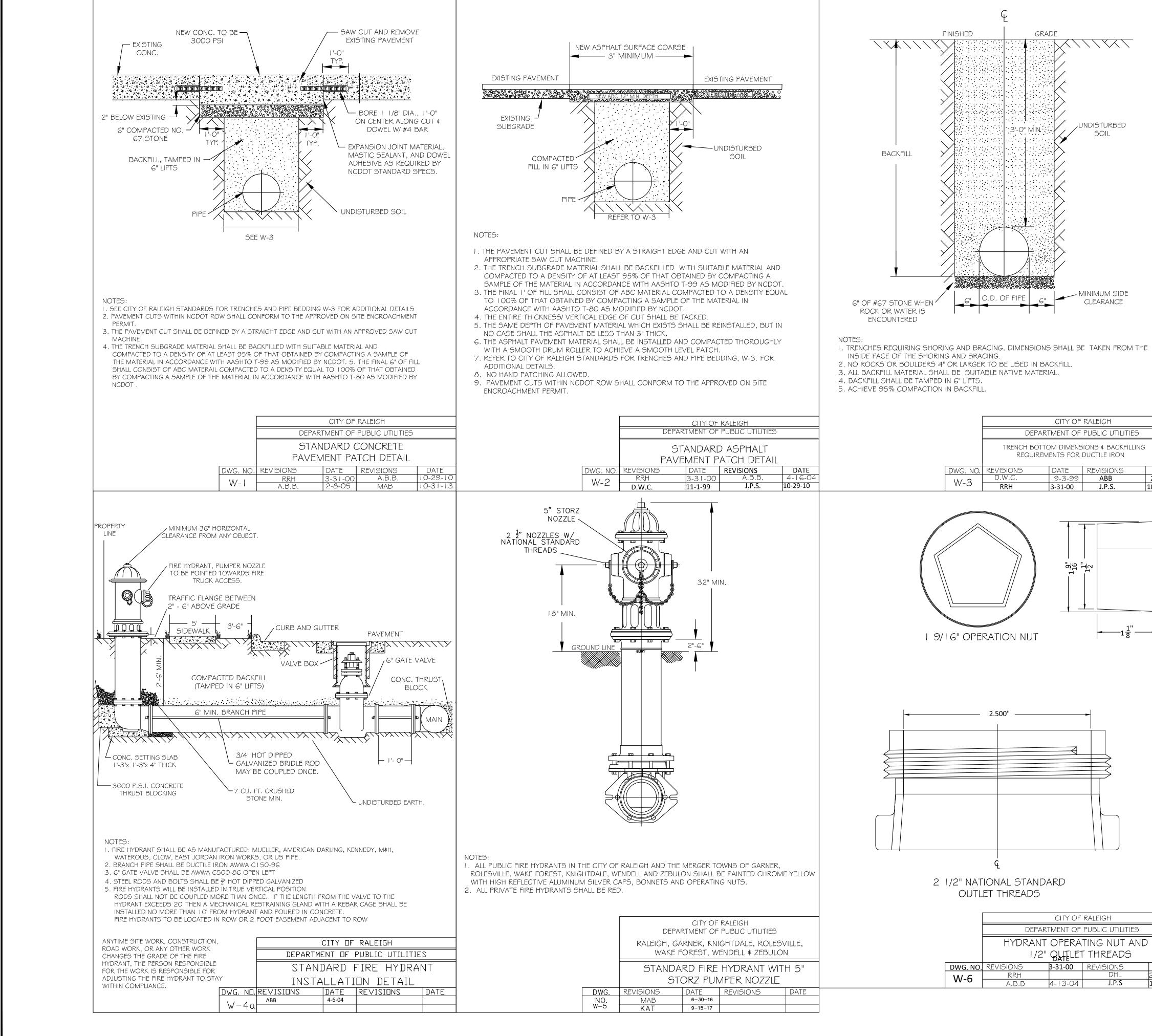


GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT plementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

	Re	•	ilization Timeframes
Site Area Description days after ceasin		Stabilize within thi many calendar days after ceasing land disturbance	s Timeframe variations
(a)	Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b)	High Quality Water (HQW) Zones	7	None
(c)	Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d)	Slopes 3:1 to 4:1	14	 -7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e)	Areas with slopes flatter than 4:1	14	 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zone -10 days for Falls Lake Watershed unless there is zero slope
oract activ	nd stabilization shall b ticable but in no case l ity. Temporary groun	e converted to perm onger than 90 calend d stabilization shall k	action activities, any areas with temporary nanent ground stabilization as soon as dar days after the last land disturbing maintained in a manner to render the permanent ground stabilization is achieved
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oraci activ surfa GRO Stabi	nd stabilization shall b ticable but in no case l ity. Temporary groun ace stable against acce UND STABILIZATION s ilize the ground suffici niques in the table be	e converted to perm onger than 90 calend d stabilization shall k lerated erosion until SPECIFICATION ently so that rain wil ow:	anent ground stabilization as soon as dar days after the last land disturbing re maintained in a manner to render the permanent ground stabilization is achieved I not dislodge the soil. Use one of the
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GRO GRO Stabi echi • T • H • R w	nd stabilization shall b ticable but in no case l ity. Temporary groun ace stable against acce UND STABILIZATION S ilize the ground suffici niques in the table be Temporary Stab	e converted to perm onger than 90 calend d stabilization shall k lerated erosion until SPECIFICATION ently so that rain wil ow: ilization ered with straw or rs ducts with or eed	anent ground stabilization as soon as dar days after the last land disturbing e maintained in a manner to render the permanent ground stabilization is achieved I not dislodge the soil. Use one of the Permanent Stabilization
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 GRO GRO GRO T O H R W A 	nd stabilization shall b ticable but in no case l ity. Temporary groun ace stable against acce UND STABILIZATION S ilize the ground suffici niques in the table be Temporary Stab emporary grass seed cove ther mulches and tackifie lydroseeding colled erosion control pro- <i>i</i> thout temporary grass s ppropriately applied strat	e converted to perm onger than 90 calend d stabilization shall k lerated erosion until SPECIFICATION ently so that rain wil ow: ilization ered with straw or rs ducts with or eed w or other mulch	anent ground stabilization as soon as dar days after the last land disturbing e maintained in a manner to render the permanent ground stabilization is achieved I not dislodge the soil. Use one of the Permanent Stabilization Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or
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GRO Stabi Stabi Stabi Stabi Stabi Stabi O Stabi Stabi Stabi Stabi O Stabi Stab	nd stabilization shall b ticable but in no case l ity. Temporary groun ace stable against acce UND STABILIZATION S ilize the ground suffici niques in the table be Temporary Stab emporary grass seed cove ther mulches and tackifie lydroseeding colled erosion control pro- vithout temporary grass s appropriately applied stra- lastic sheeting YACRYLAMIDES (PAM Select flocculants th	e converted to perm onger than 90 calend d stabilization shall k lerated erosion until SPECIFICATION ently so that rain wil ow: ilization ered with straw or rs ducts with or eed w or other mulch • S) AND FLOCCULANT at are appropriate for	anent ground stabilization as soon as dar days after the last land disturbing e maintained in a manner to render the permanent ground stabilization is achieved I not dislodge the soil. Use one of the Permanent Stabilization Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Rolled erosion control products with grass seed TS r the soils being exposed during
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6.	nas been corrected. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products
	to a recycling or disposal center that handles these materials.
LITTE	R, BUILDING MATERIAL AND LAND CLEARING WASTE
1.	Never bury or burn waste. Place litter and debris in approved waste containers.
2.	Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3.	Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4.	Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
5.	Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6.	Anchor all lightweight items in waste containers during times of high winds.
7.	Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8.	Dispose waste off-site at an approved disposal facility.
9.	On business days, clean up and dispose of waste in designated waste containers.
PAIN	IT AND OTHER LIQUID WASTE
1.	Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2.	Locate paint washouts at least 50 feet away from storm drain inlets and surface
•	waters unless no other alternatives are reasonably available.
3.	Contain liquid wastes in a controlled area.
4.	Containment must be labeled, sized and placed appropriately for the needs of site.
5.	Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.
PORT	TABLE TOILETS
1.	Install portable toilets on level ground, at least 50 feet away from storm drains,
	streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
2.	Provide staking or anchoring of portable toilets during periods of high winds or in high
	foot traffic areas.
3.	Monitor portable toilets for leaking and properly dispose of any leaked material.
	with properly operating unit.
FART	THEN STOCKPILE MANAGEMENT
1.	
	50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
2.	Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3.	Provide stable stone access point when feasible.
4.	Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated arecian an disturbed coils for temperary or permanent control peeds.
1. 2. 3.	THEN STOCKPILE MANAGEMENT Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile. Provide stable stone access point when feasible. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined

or surrounded by secondary containment structures. NCG01 GROUND STABILIZATION AND MATERIALS HANDLING



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	DEPARTMENT OF PUBLIC UTILITIES			
	HYDRANT	OPERA	TING NUT AND	2
	1/2"	BATELET	THREADS	
DWG. NO.	REVISIONS 3-31-00 REVISIONS DATE			
W-6	RRH DHL 2-18-08			
VV-0	A.B.B	4-13-04	J.P.S	11-1-10

UNDISTURBED

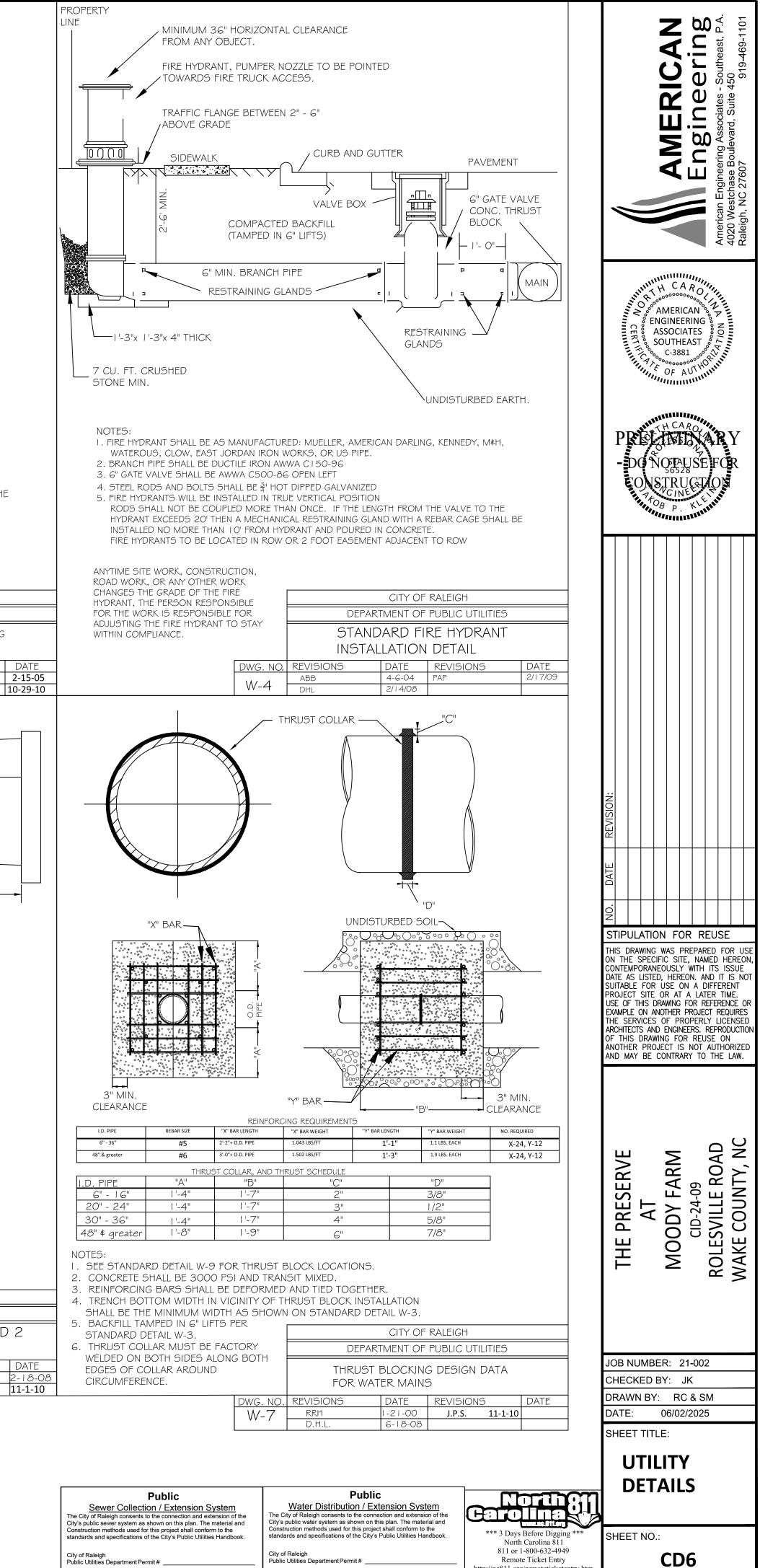
SOIL

CLEARANCE

REVISIONS

ABB

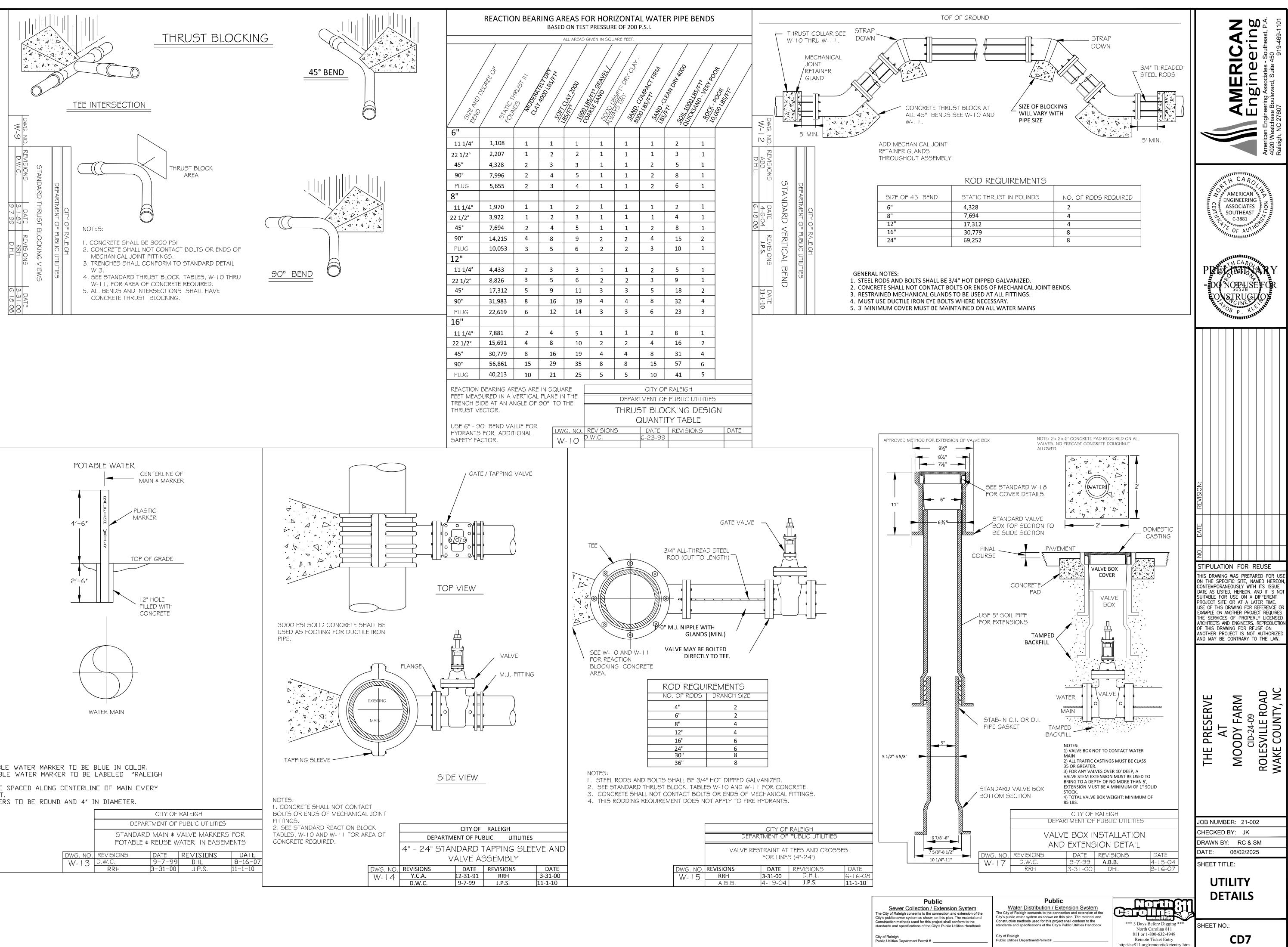
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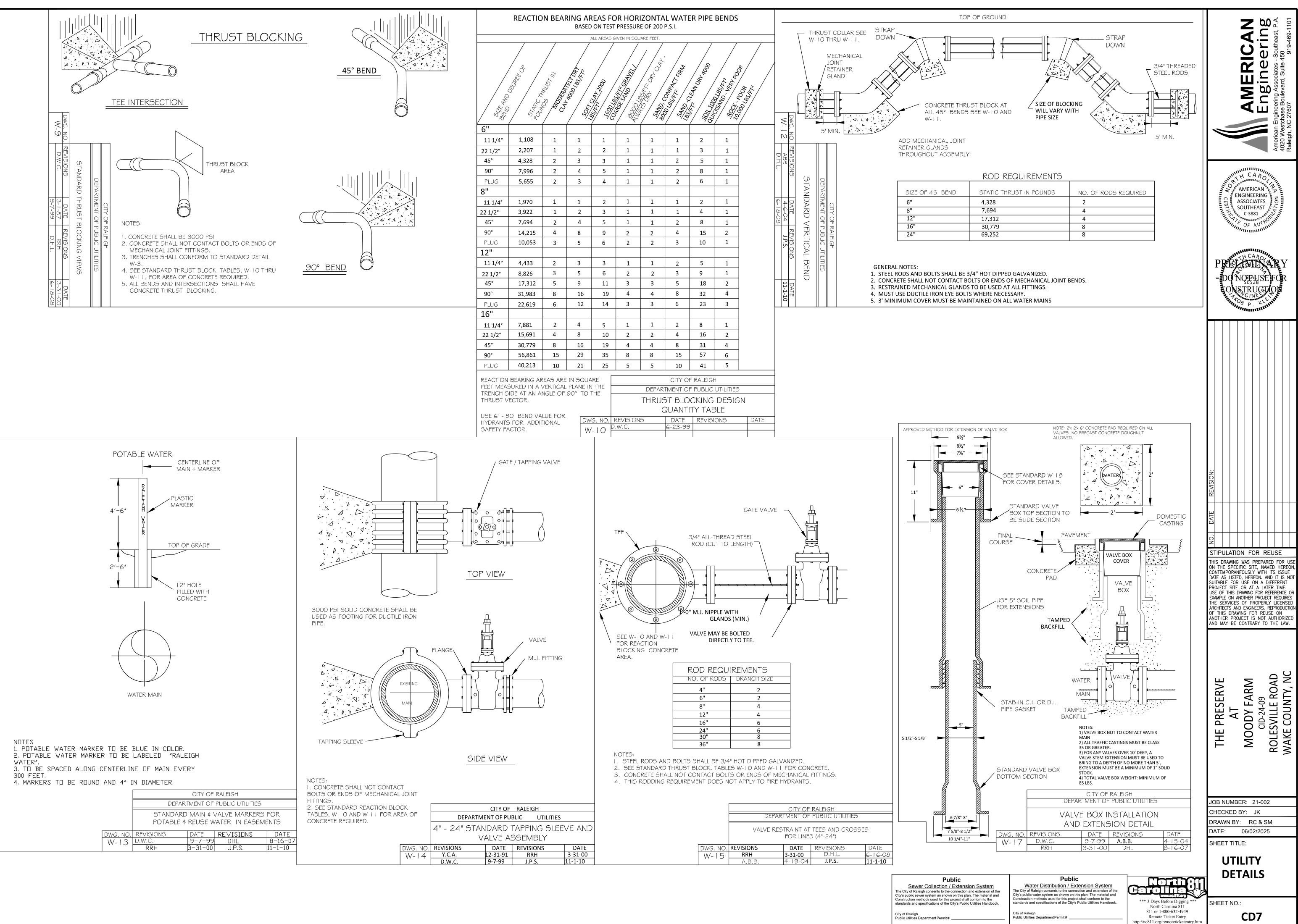


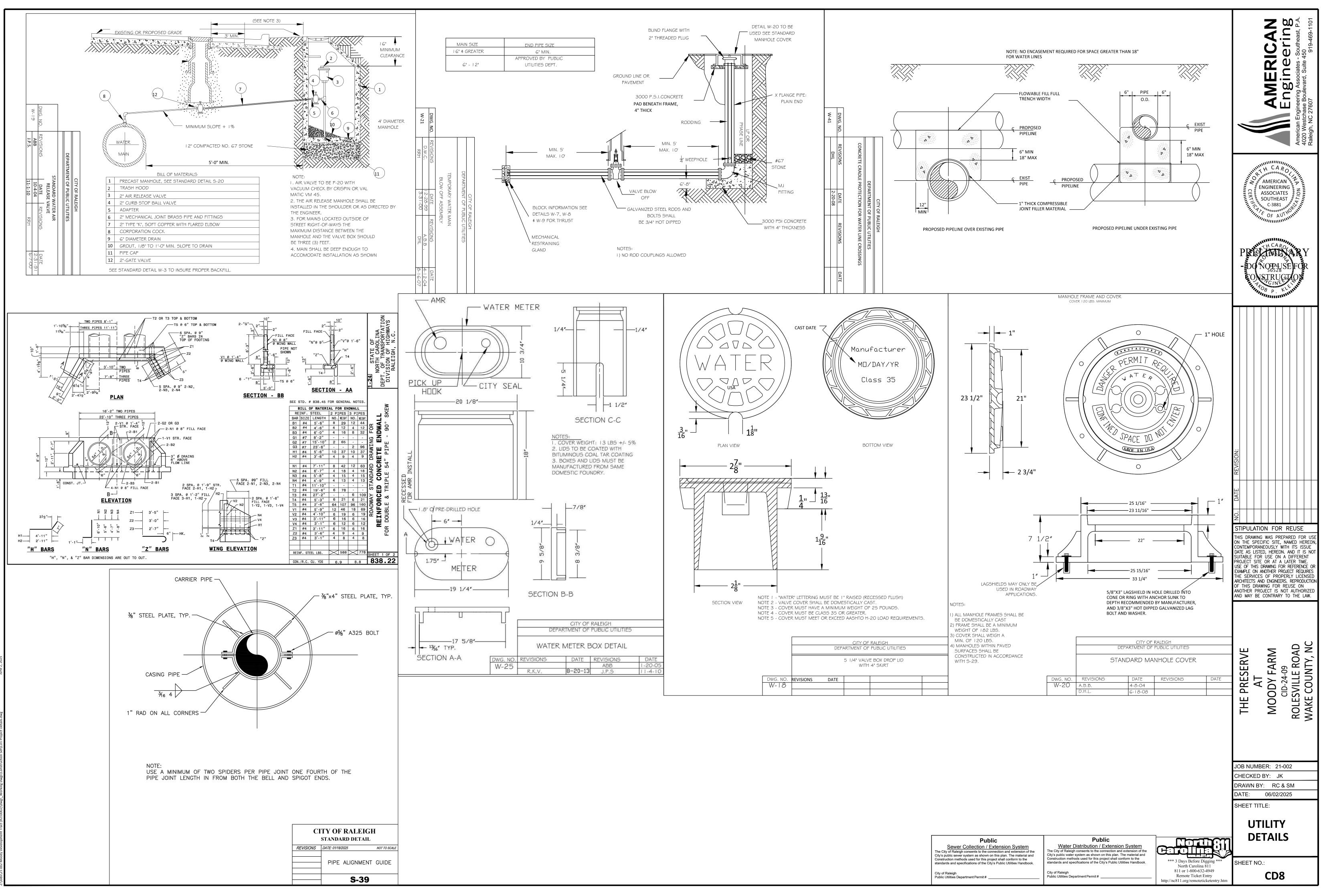
Remote Ticket Entry

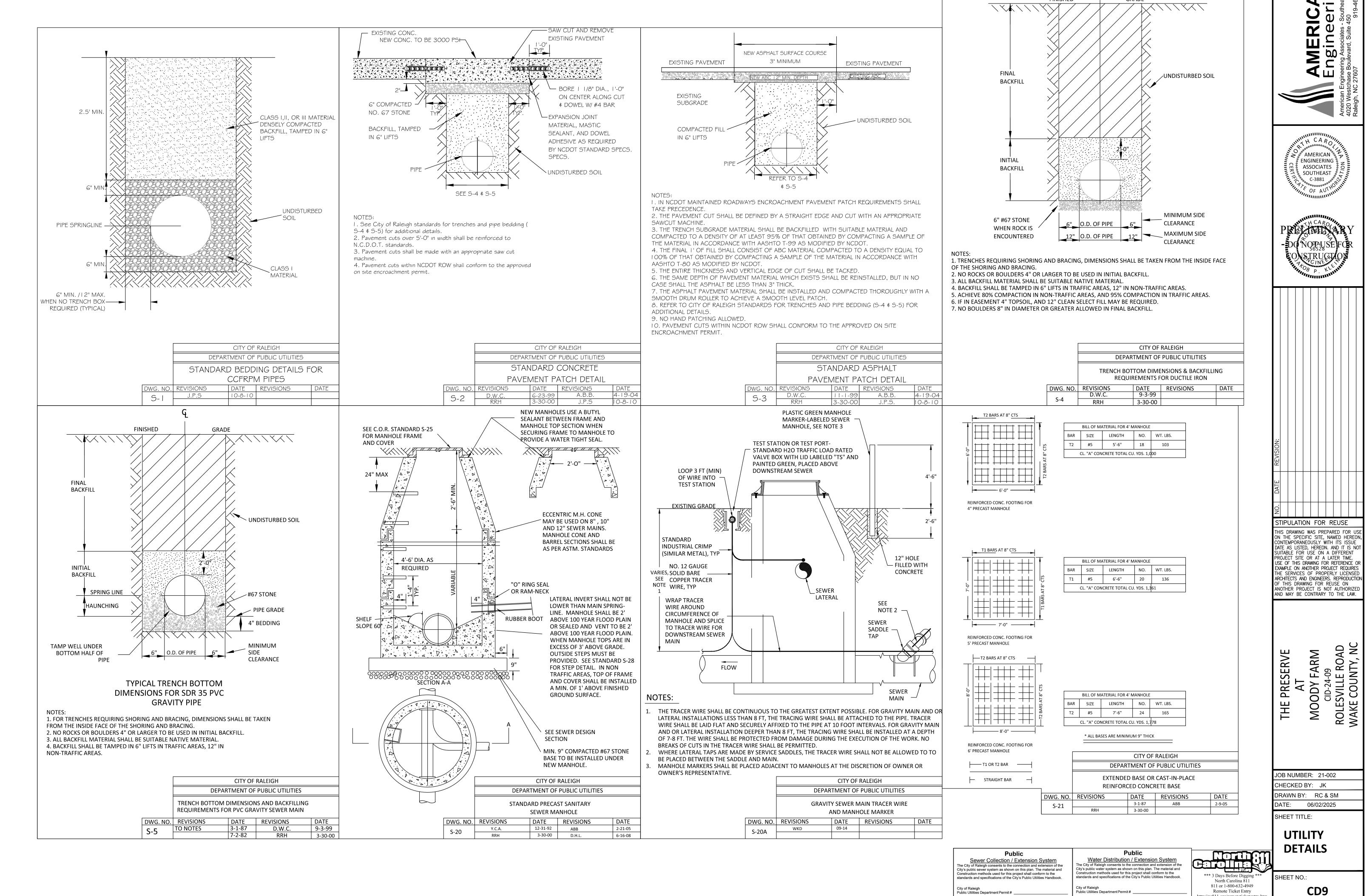
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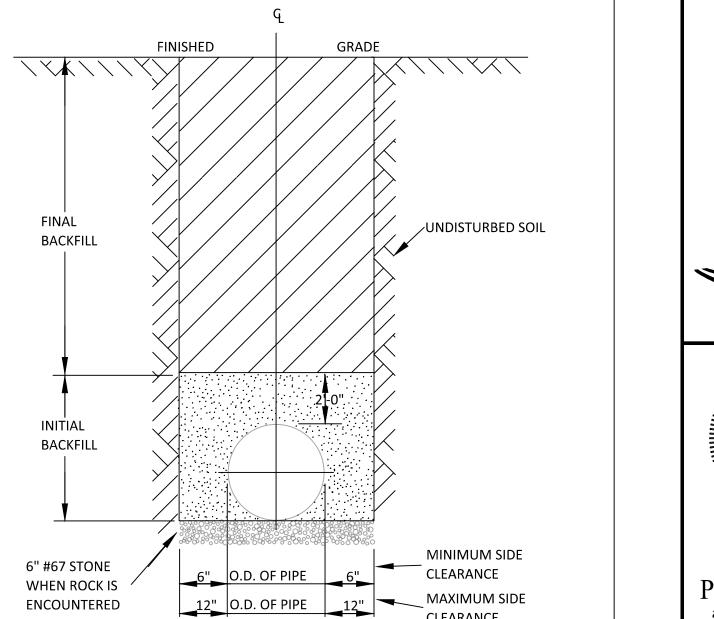
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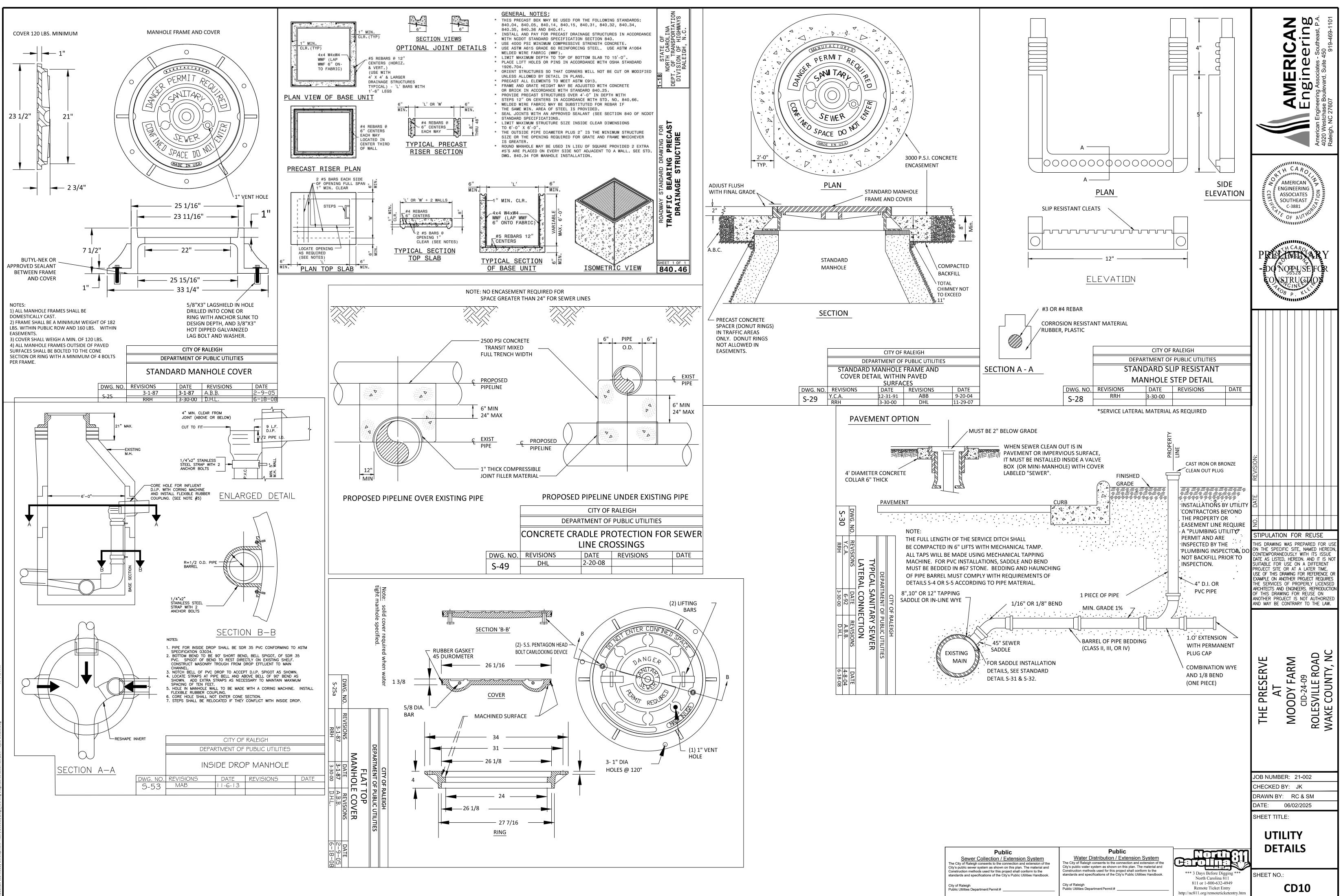


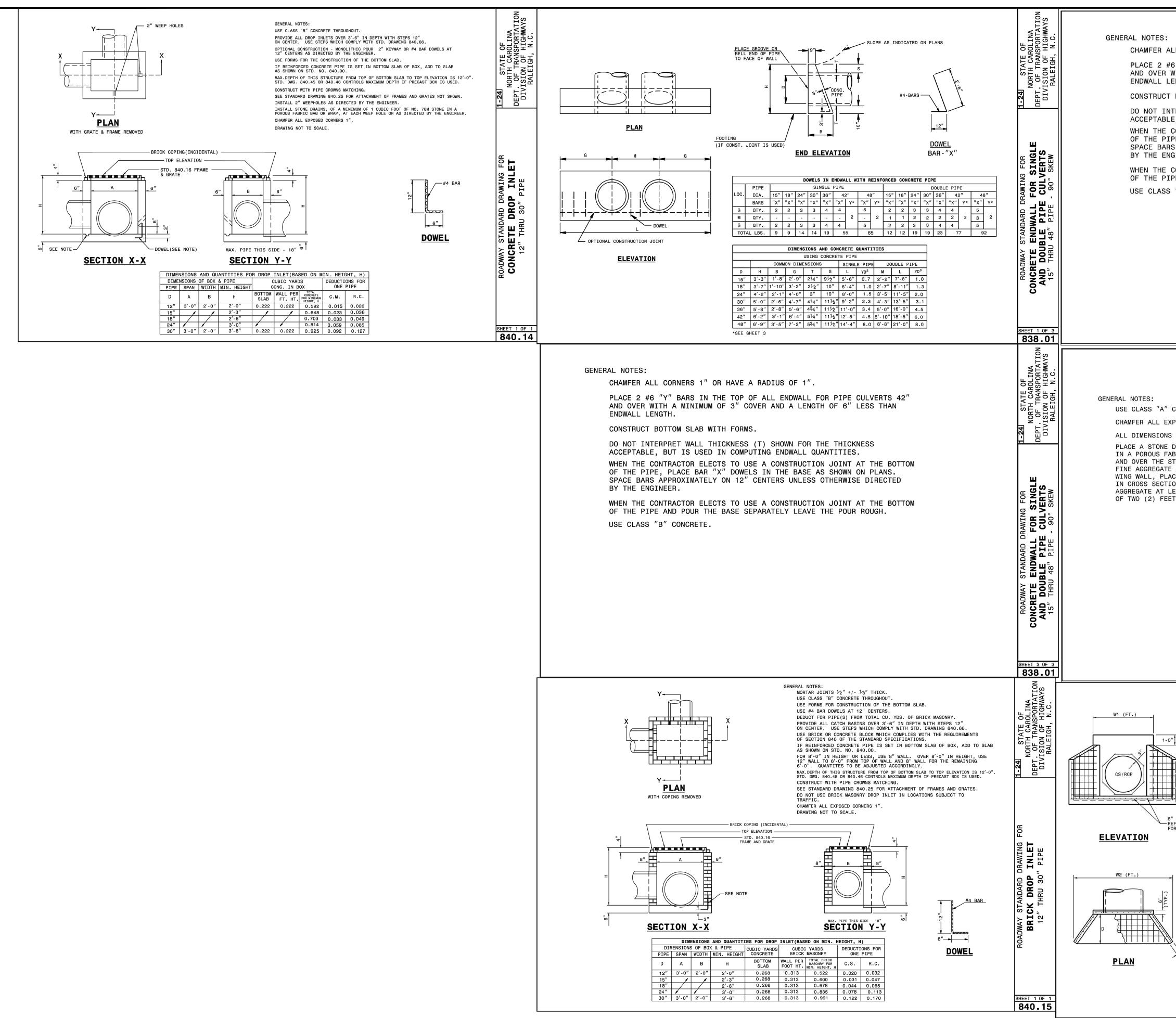
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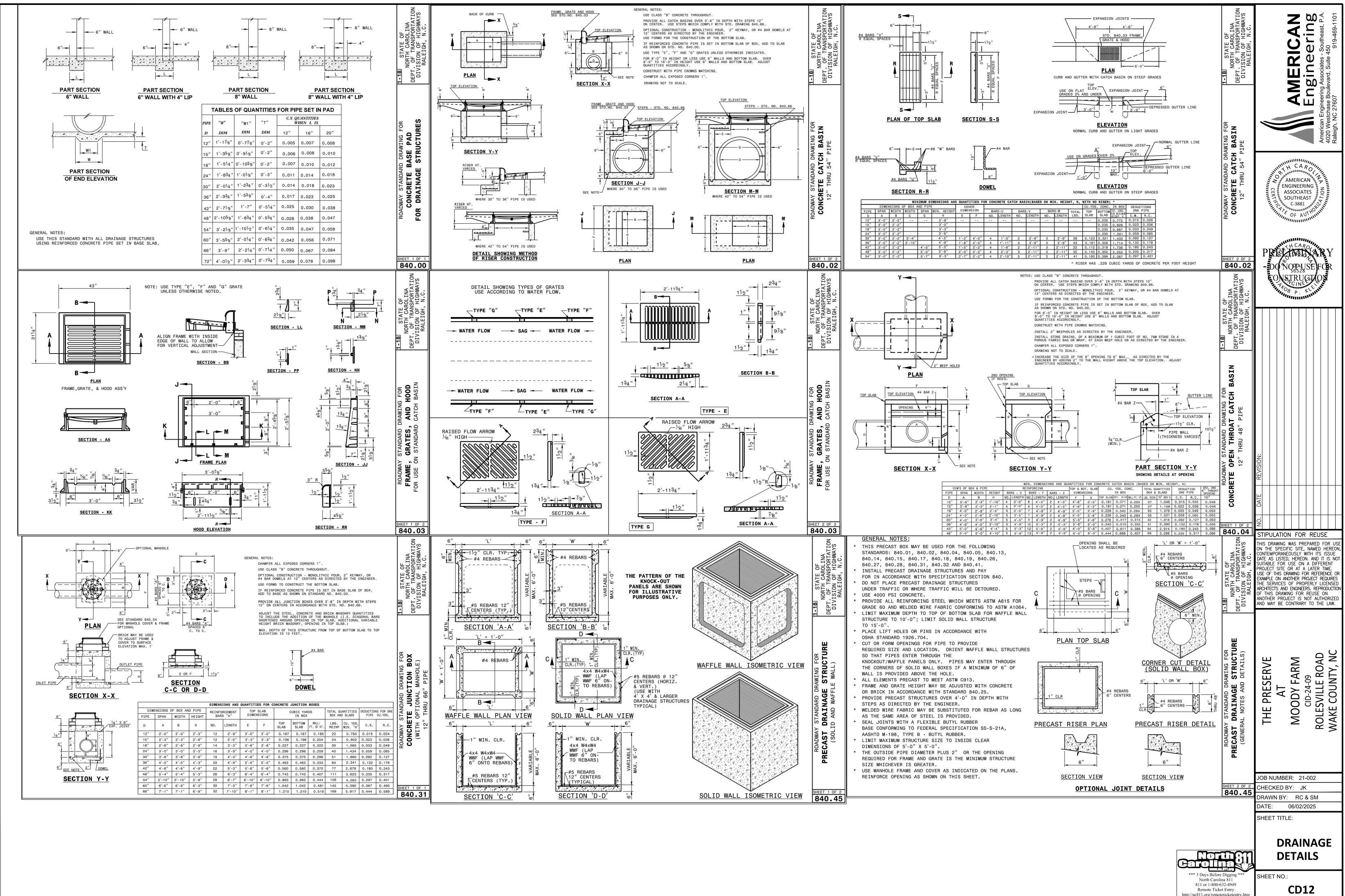
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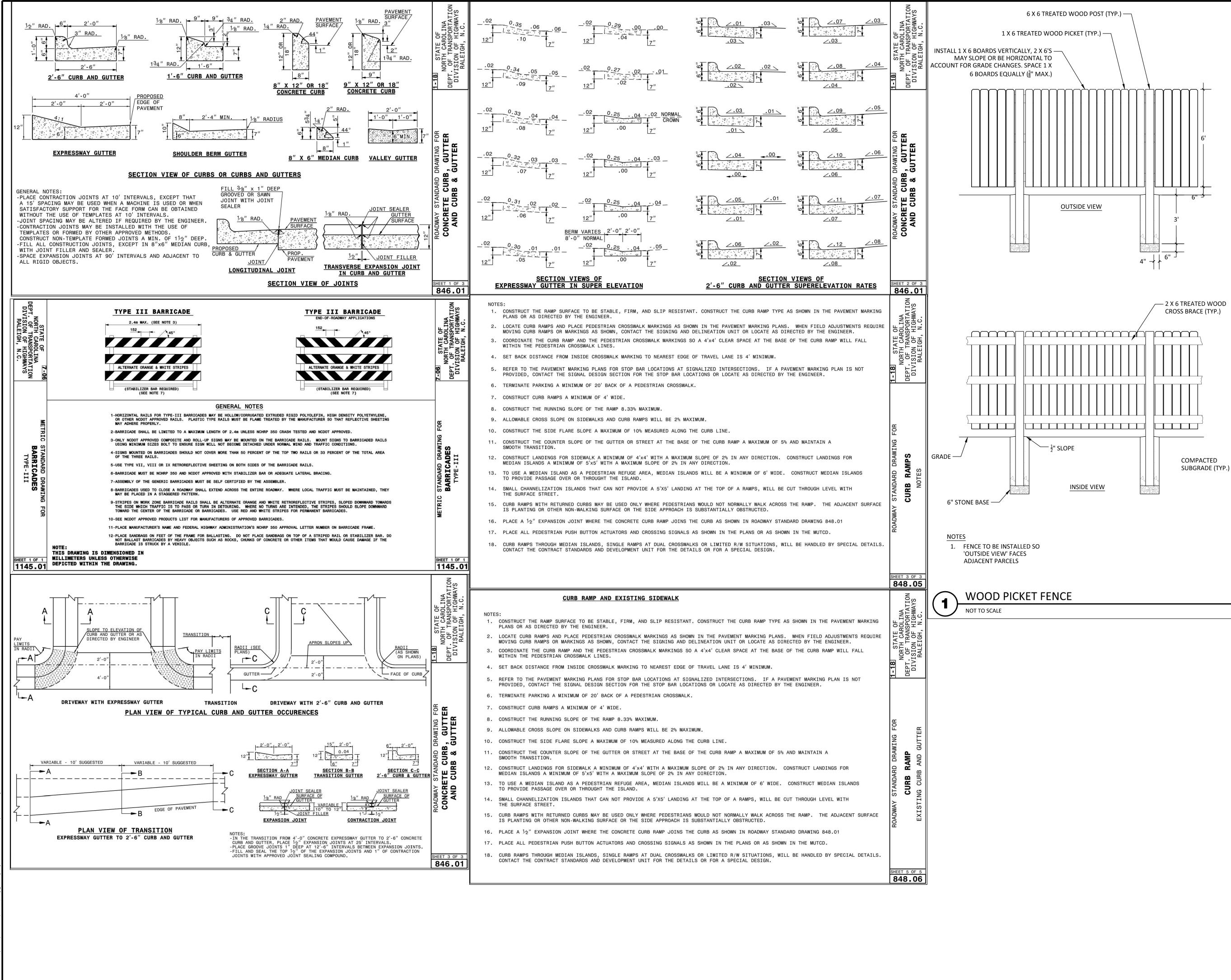


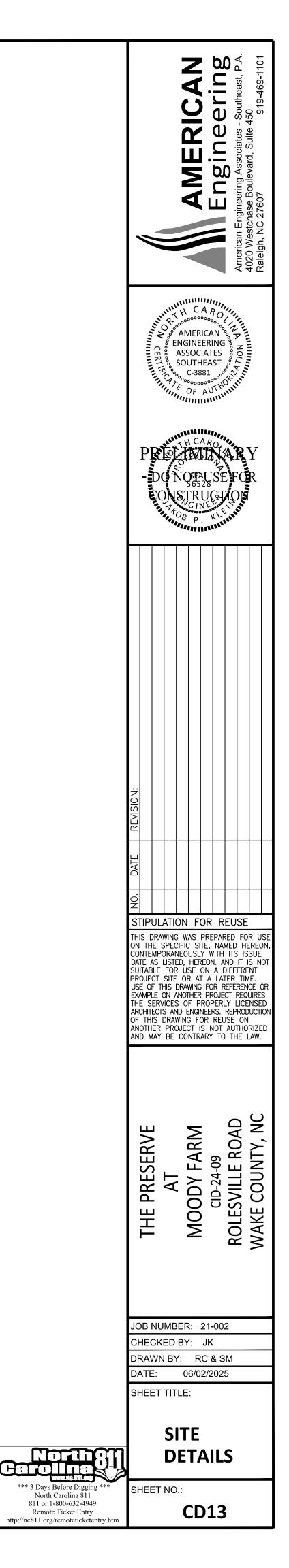


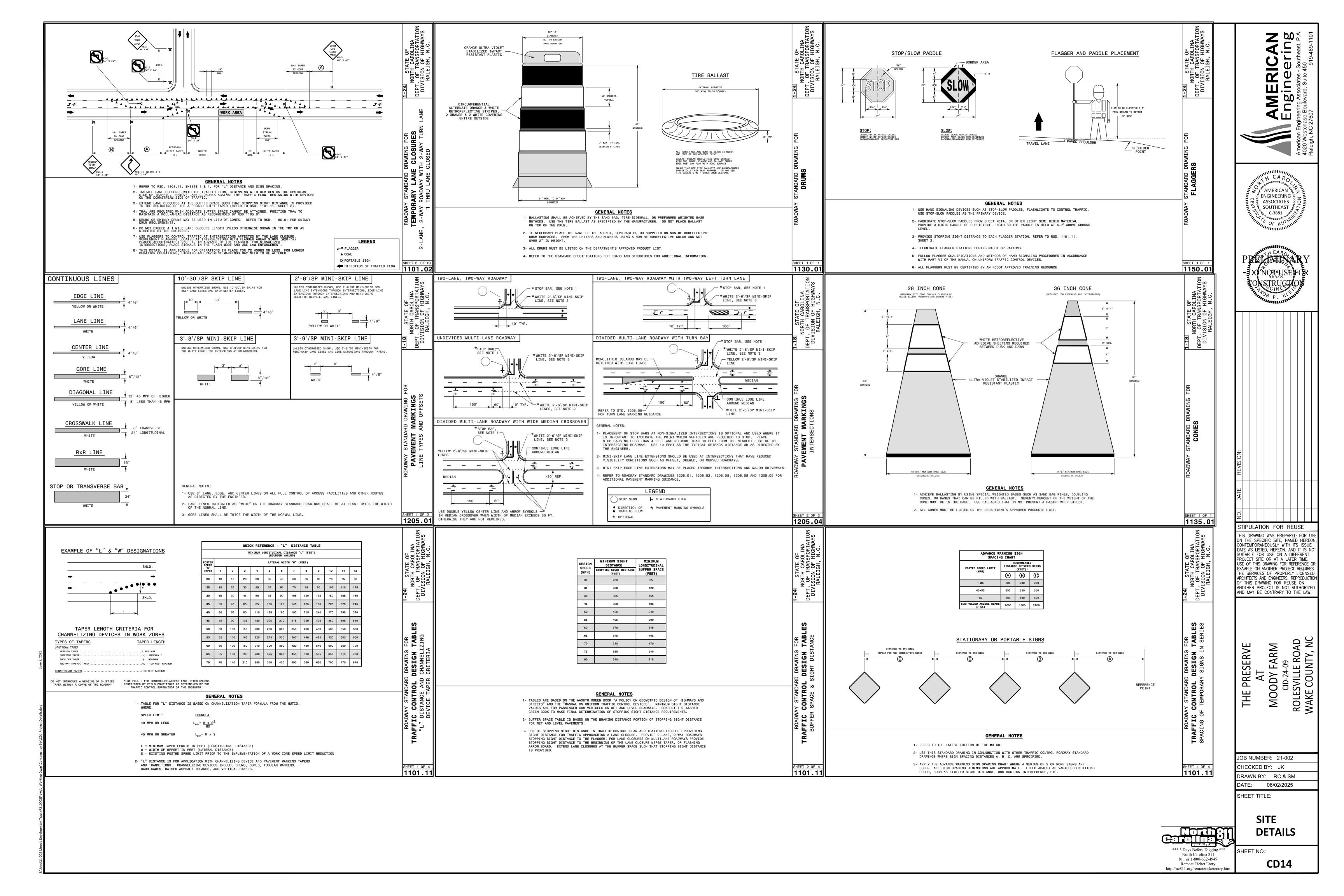
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	#6 "Y" BARS IN THE TOP OF ALL ENDWALL FOR PIPE CULVERTS 42" WITH A MINIMUM OF 3" COVER AND A LENGTH OF 6" LESS THAN LENGTH. T BOTTOM SLAB WITH FORMS. NTERPRET WALL THICKNESS (T) SHOWN FOR THE THICKNESS	NORTH CAROLINA EPT. OF TRANSPORT DIVISION OF HIGHW RALEIGH, N.C.	AERI Binee Associates - S evard, Suite 45
* CONCRETE:	CONTRACTOR ELECTS TO USE A CONSTRUCTION JOINT AT THE BOTTOM IPE, PLACE BAR "X" DOWELS IN THE BASE AS SHOWN ON PLANS. RS APPROXIMATELY ON 12" CENTERS UNLESS OTHERWISE DIRECTED NGINEER. CONTRACTOR ELECTS TO USE A CONSTRUCTION JOINT AT THE BOTTOM IPE AND POUR THE BASE SEPARATELY LEAVE THE POUR ROUGH. S "B" CONCRETE.	ENDWALL FOR JBLE PIPE CUL J 48" PIPE - 90°	American Er 4020 Westcl Raleigh, NC
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	CONCRETE. XPOSED CORNERS 1".	NORTH CAROLINA EPT. OF TRANSPORTA DIVISION OF HIGHWA RALEIGH, N.C.	FONSTRUCTION <i>CINE</i> <i>CINE</i> <i>KLE</i>
1 1	ABBIC AT EACH WEEP HOLE. PLACE SUBDRAIN FINE AGGREGATE BENEATH, AROUND STONE DRAIN SO THE STONE DRAIN IS COMPLETELY COVERED BY A LAYER OF SUBDRAIN E AT LEAST ONE () FOOT THICK. WHERE THERE IS MORE THAN ONE WEEP HOLE IN A ACE A HORIZONTAL DRAIN OF SUBDRAIN FINE AGGREGATE AT LEAST ONE (1) FOOT SQUARE ION TO CONNECT ALL STONE DRAINS. PLACE A VERTICAL DRAIN OF SUBDRAIN FINE LEAST ONE (1) FOOT SQUARE IN CROSS SECTION AT EACH WEEP HOLE TO AN ELEVATION ET BELOW THE SURFACE OF THE EMBANKMENT.	CONCRETE ENDWALL NOTES FOR REINFORCED CONCRETE ENDWALL STANDARD DRAWINGS 838.21 THRU 838.40	NO. DATE
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SHEET 1 OF 1 CHECKED BY: JK 838.80 DRAWN BY: RC & SM	8" 0.C. (TYP.) REFER TO CHART FOR BAR SIZE 8" 0.C. (TYP.) REFER TO CHART FOR BAR SIZE NOTE: THE MINIMUM BAR SIZE SHALL BE #5 BARS AT 8" CTS. THE CONTRACTOR WILL HAVE THE OPTION TO INCREASE THIS BAR SIZE AS NEEDED. NOTE: THE MINIMUM BAR SIZE SHALL BE #5 BARS AT 8" CTS. THE CONTRACTOR WILL HAVE THE OPTION TO INCREASE THIS BAR SIZE AS NEEDED. Image: SIDE NOTE: THE MINIMUM BAR SIZE SHALL BE #5 BARS AT 8" CTS. THE CONTRACTOR WILL HAVE THE OPTION TO INCREASE THIS BAR SIZE AS NEEDED. Image: SIDE NOTE: THE MINIMUM BAR SIZE SHALL BE #5 BARS AT 8" CTS. THE CONTRACTOR WILL HAVE THE OPTION TO INCREASE THIS BAR SIZE AS NEEDED. Image: SIDE NOTE: THE MINIMUM BAR SIZE SHALL BE #5 BARS AT 8" CTS. THE CONTRACTOR WILL HAVE THE OPTION TO INCREASE THIS BAR SIZE Image: SIDE NOTE: THE MINIMUM BAR SIZE SHALL BE #5 BARS AT 8" CTS. THE CONTRACTOR WILL HAVE THE OPTION Image: SIDE Image: SIDE Image: SIDE NOTE: THE MINIMUM BAR SIZE SHALL BE #5 BARS AT 8" CTS. THE CONTRACTOR WILL HAVE THE OPTION Image: SIDE Image: SIDE Image: SIDE NOTE: THE MINIMUM BAR SIZE SHALL BE #5 BARS AT 8" CTS. THE CONTRACTOR WILL HAVE THE OPTION SIDE	CONCRETE ENDWALL 2" THRU 72" PIPE - 90° SK	· – æ§
DATE: 06/02/2025	SHE		CHECKED BY: JK
SHEET TITLE: DRAINAGE DETAILS DETAILS			SHEET TITLE:
*** 3 Days Before Digging *** North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry http://nc811.org/remoteticketentry.htm SHEET NO.: CD11	*** 3 Days Before Dig North Carolina 8 811 or 1-800-632- Remote Ticket Er	gging *** 311 4949 ntry	

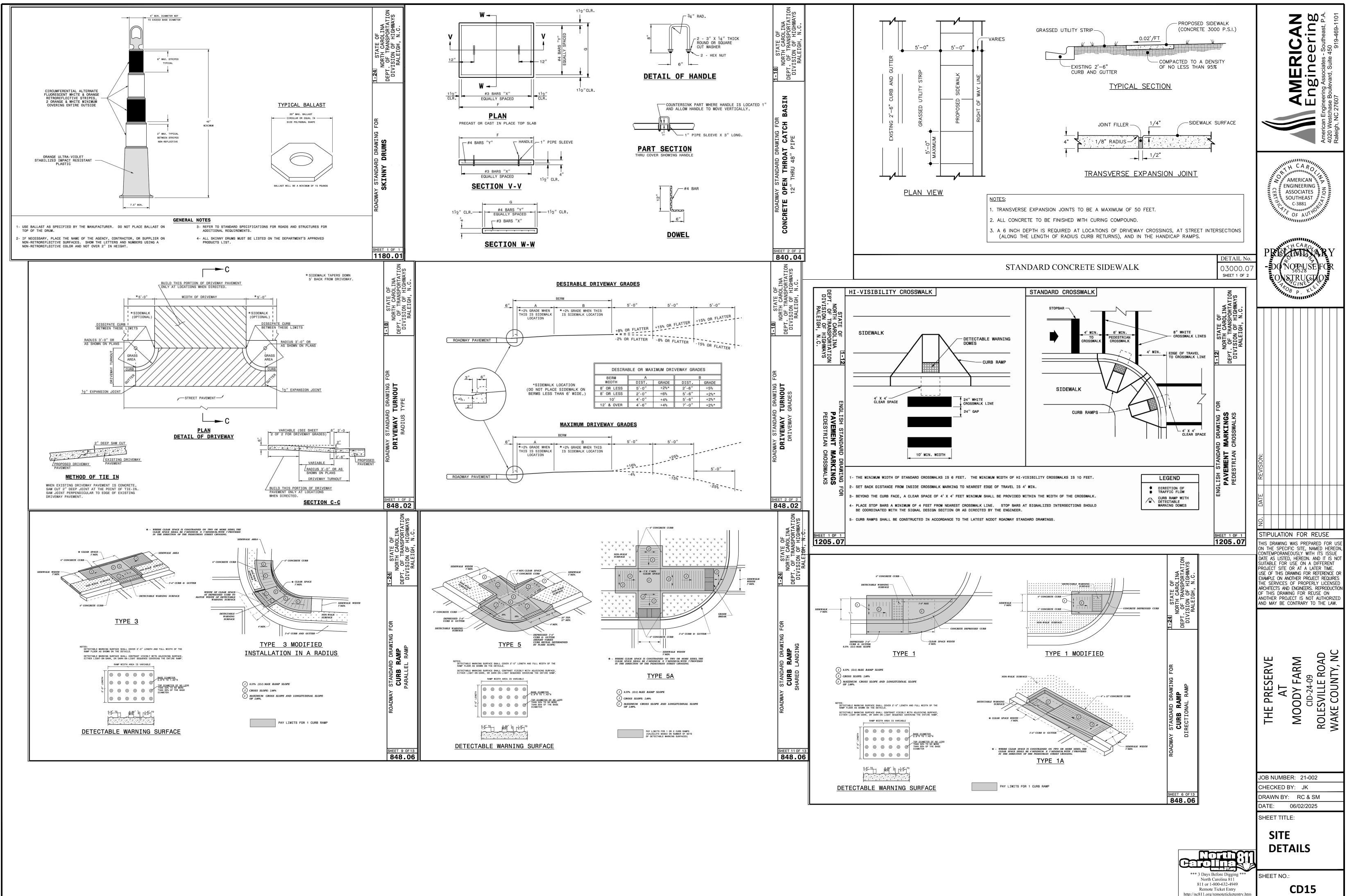


2 Moody Development Tract (R210002)\dwg_Working Dwgs\Construction Set\CD1 Project Details.dwg

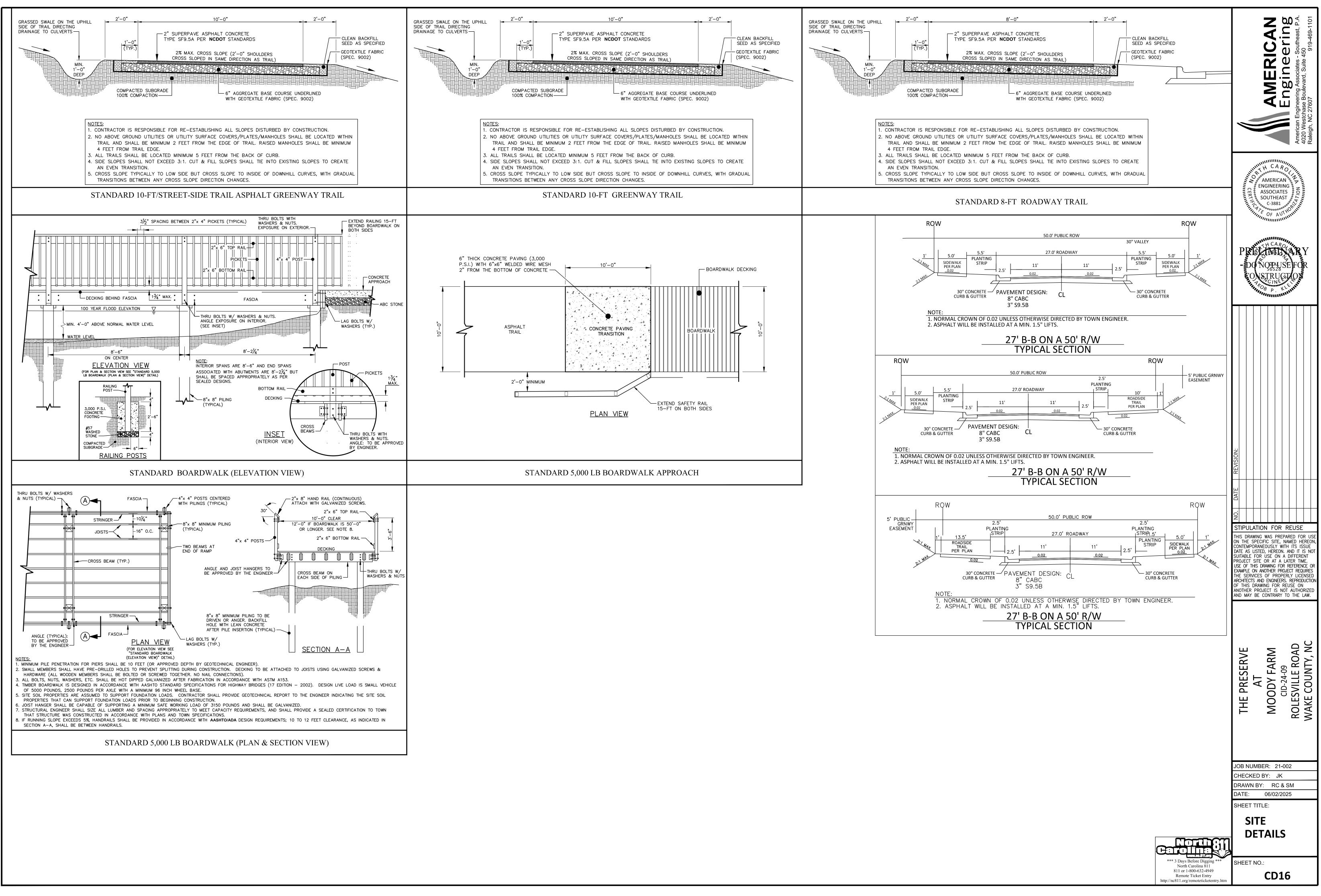


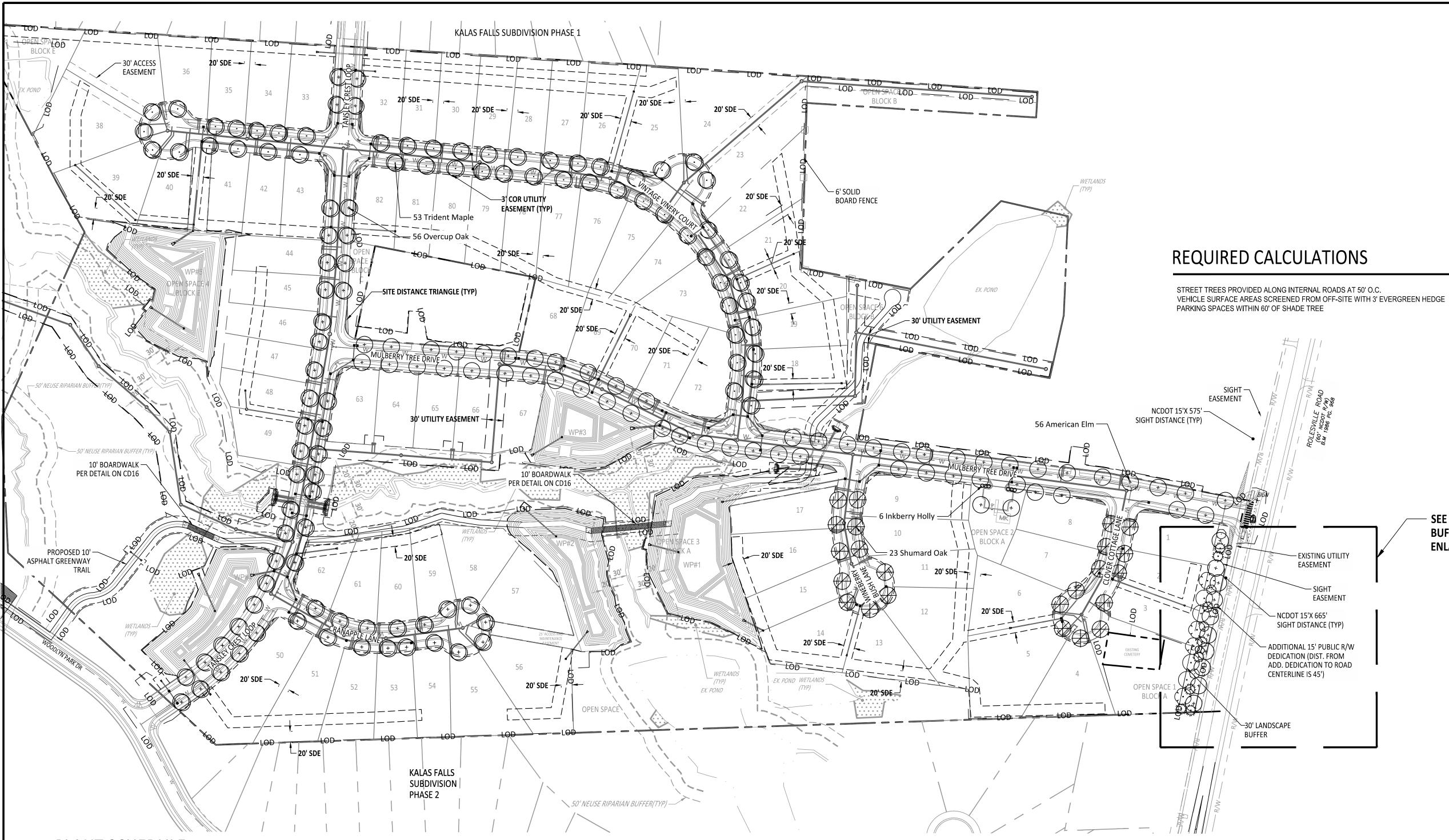






02 Moody Development Tract (R210002)\dwg_Working Dwgs\Construction Set\CD1 Project Details.dwg





PLANT SCHEDULE

KEY	QUAN.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	NOTES
		TREES				
\bigcirc	4	Ginkgo biloba 'Goldspire'	Goldspire Ginkgo	2.5" Cal., 8' Ht.	B & B	Large mature tree
\bigcirc	4	Juniperus virginiana	Eastern Red Cedar	1.5" Cal., 6' Ht.	B & B	Evergreen tree
•	4	Nyssa sylvatica 'Green Gable'	Green Gable Blackgum	1.5" Cal., 6' Ht.	B & B	Small mature tree
\bigcirc	23	Quercus shumardii	Shumard Oak	2.5" Cal., 8' Ht.	B & B	Large mature tree
+	56	Quercus lyrata	Overcup Oak	2.5" Cal., 8' Ht.	B & B	Large mature tree
y o c	8	Thuja occidentalis 'Emerald Green'	Emerald Green Arbovitae	1.5" Cal., 6' Ht.	B & B	Evergreen tree
+	66	Ulmus americana	American Elm	2.5" Cal., 8' Ht.	B & B	Large mature tree
\bigcirc	53	Acer buergerianum	Trident Maple	2.5" Cal., 8' Ht.	B & B	Large mature tree
		Sł				
o	6	llex glabra	Inkberry Holly	#3 Gallon	Cont.	Evergreen shrub

GRAPHIC SCALE (IN FEET) 1 inch =100

GENERAL NOTE: LOCATION OF STREET TREES MAY VARY DUE TO PROPOSED DRIVEWAYS. CONTRACTOR SHALL COORDINATE BETWEEN THE PROPOSED STREET TREES AND DRIVEWAYS. ENSURE A MINIMUM SPACING OF 15' BETWEEN SMALL STREET TREES, 25' BETWEEN MEDIUM STREET TREES, AND 35' BETWEEN LARGE STREET TREES IS MAINTAINED.

SEE SHEET L2 FOR **BUFFER PLANTING** ENLARGEMENT

> Public Water Distribution / Extension System 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 DepartmentPermit#

*** 3 Days Before Digging *** SHEET NO .: North Carolina 811 811 or 1-800-632-4949 Remote Ticket Entry http://nc811.org/remoteticketentry.h

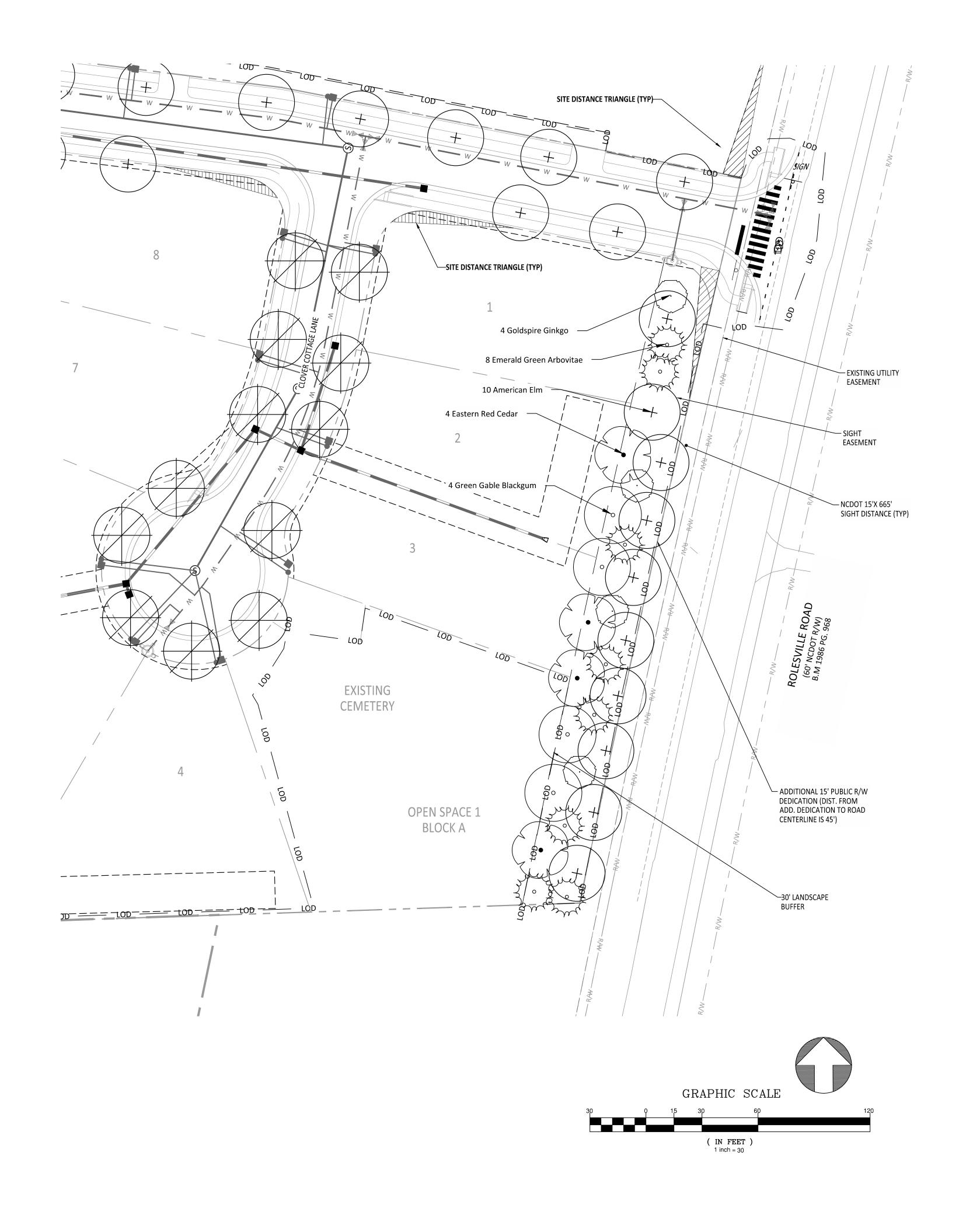
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American Engineering Associates - Southeast, P.A. 4020 Westchase Boulevard, Suite 450 Raleigh, NC 27607 919-469-1101					
C-652 C-652					
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THE PRESERVE AT MOODY FARM CID-24-09 ROLESVILLE ROAD WAKE COUNTY, NC					
JOB NUMBER: 21-002 CHECKED BY: JK DRAWN BY: RC & SM DATE: 06/02/2025 SHEET TITLE: LANDSCAPE PLAN					

City of Raleigh Public Utilities Department Permit#

Public

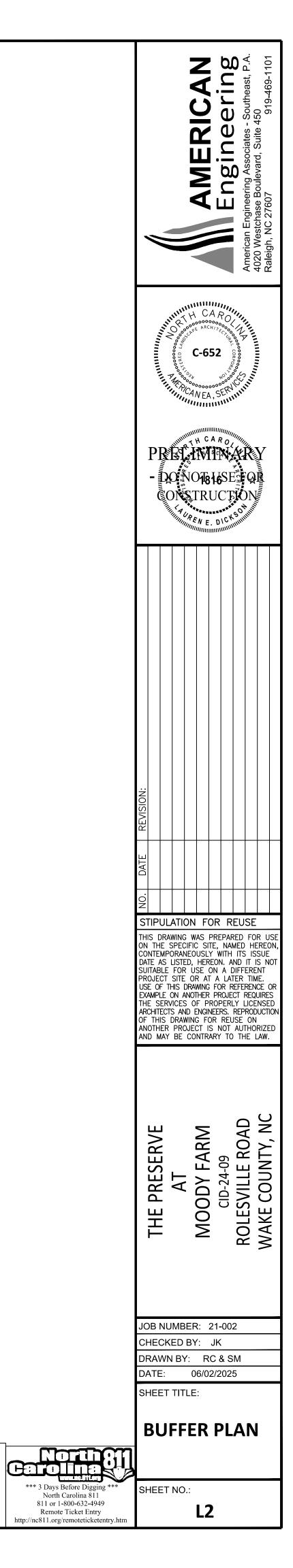
Sewer Collection / Extension System The City of Raleigh consents to the connection and extension of the City's public sewer system as shown on this plan. The material and Construction methods used for this project shall conform to the standards and specifications of the City's Public Utilities Handbook.



REQUIRED CALCULATIONS

STREET BUFFER ALONG ROLESVILLE ROAD: (387.504 LF) PER UDO SECTION 14.4 REQUIRED: 30' WIDTH FROM ROW LINE

PER 40 LF: 1 STREET TREE AND 2 UNDERSTORY ORNAMENTAL TREES REQUIRED PLANTINGS: 10 STREET TREES, 20 UNDERSTORY ORNAMENTAL TREES PROVIDED: 10 STREET TREES, 20 UNDERSTORY ORNAMENTAL TREES



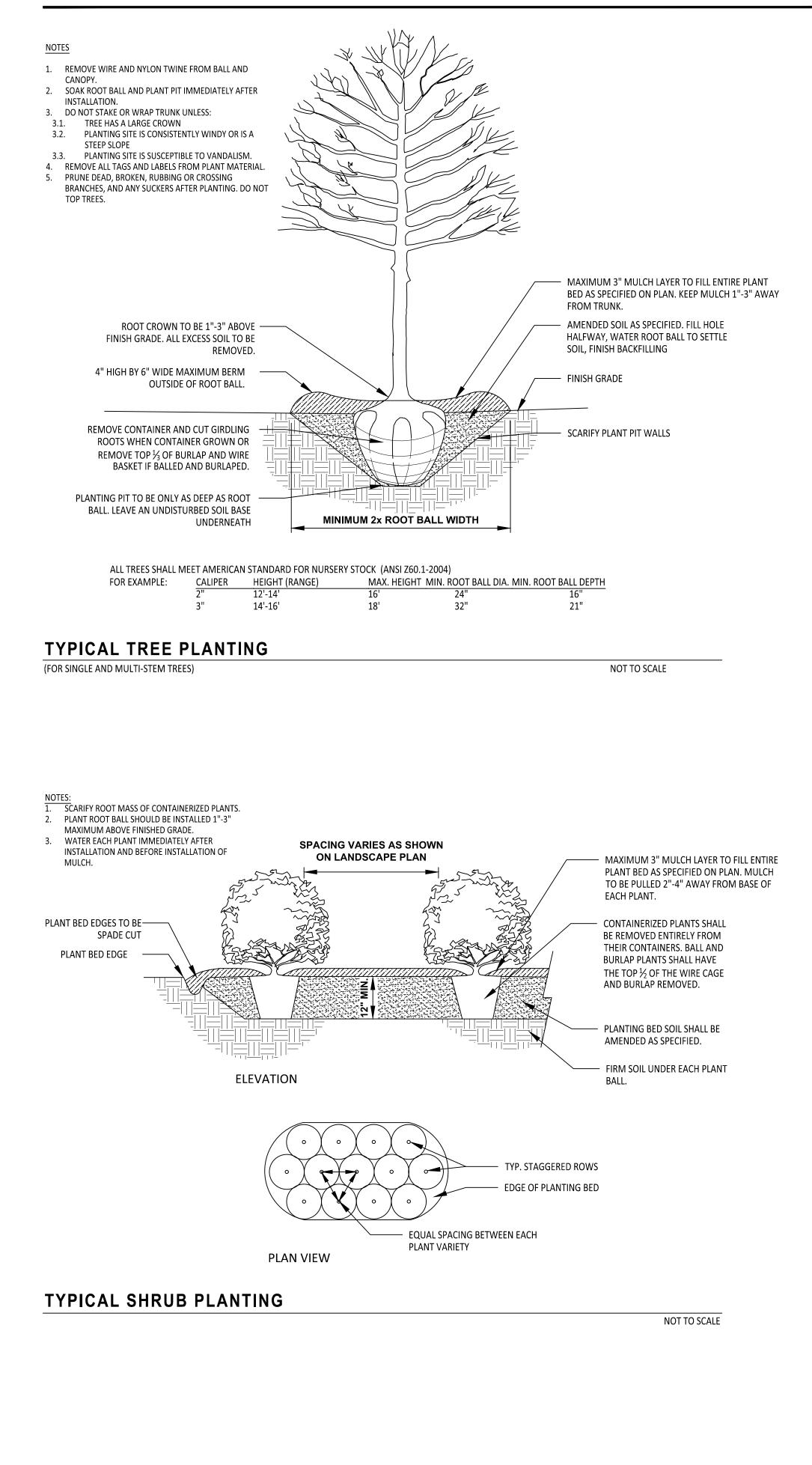
Public

Sewer Collection / Extension System 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 #

Public
Water Distribution / Extension System
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City of Raleigh Public Utilities Department Permit #

PLANT DETAILS



PLANT NOTES

PLANT INSTALLATION & MAINTENANCE NOTES:

- 1. ALL LANDSCAPING SHALL BE OF NURSERY STOCK QUALITY AND SHALL BE INSTALLED TO ACCEPTED NC LANDSCAPE CONTRACTOR STANDARDS.
- 2. ALL LANDSCAPING SHALL BE ADAPTABLE TO CLIMATIC CONDITIONS OF THE AREA. 3. LARGE TREES SHOULD NOT BE PLANTED WITHIN EASEMENTS AND A MINIMUM OF 6' FROM UTILITY LINES, UNLESS
- OTHERWISE SPECIFIED BY REVIEWING AGENCY. SHRUBS MAY BE PLANTED IN EASEMENTS, BUT A MINIMUM OF 3' FROM UTILITY LINES, UNLESS OTHERWISE SPECIFIED BY REVIEWING AGENCY.
- 4. ALL LANDSCAPING SHALL BE MAINTAINED IN GOOD CONDITION. 5. ALL LANDSCAPING SHALL AT ALL TIMES PRESENT A HEALTHY, NEAT, CLEAN, ORDERLY, DISEASE-FREE AND PEST-FREE APPEARANCE.
- 6. ALL LANDSCAPING SOIL AND FILL SHALL BE FREE FROM WEEDS, REFUSE, AND DEBRIS AT ALL TIMES.
- 7. EXCESS SOIL SHALL BE DISPOSED OF IN A LEGAL MANNER.
- 8. ANY DEAD PLANT MATERIAL OR MATERIAL THAT FAILS TO SHOW HEALTHY GROWTH MUST BE REMOVED WITHIN 30 DAYS.
- 9. REPLACEMENT OF REMOVED PLANT MATERIAL MUST TAKE PLACE WITHIN 90 DAYS OF REMOVAL OR NOTIFICATION BY THE TOWN, WHICHEVER OCCURS FIRST.
- 10. ANY REPLACEMENT PLANT MATERIAL MUST MEET THE SIZE AND OTHER CHARACTERISTICS OF NEWLY PLANTED MATERIAL.
- 11. IF USING STAKES AND GUYS SUCH SUPPORTS SHALL BE DESIGNED SO AS TO PROTECT TREES AND SHRUBS FROM INJURY. TREES AND SHRUBS SHALL BE FASTENED TO THE SUPPORT WITH AN ACCEPTABLE COMMERCIAL TREE TIE OF PLASTIC OR HOSE-COVERED WIRE. AFTER THE WARRANTY PERIOD HAS ENDED, STAKES AND GUYS SHALL BE REMOVED.
- 12. CONTRACTOR IS RESPONSIBLE TO CONTACT MISS UTILITIES (811) 48 HOURS PRIOR TO COMMENCEMENT OF WORK. CONTACT LANDSCAPE ARCHITECT IF FIELD CONFLICTS/DISCREPANCIES ARISE.
- 13. CONTRACTOR RESPONSIBLE TO VERIFY PLANT COUNTS. PLANTING PLAN SHALL GOVERN IN THE CASE OF A CONFLICT.
- 14. ALL PLANTS SHALL MEET OR EXCEED STANDARDS AS DETERMINED BY THE AMERICAN STANDARD OF NURSERY STOCK.
- 15. CONTRACTOR SHALL WARRANTY ALL PLANTS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. 16. WHEN POSSIBLE. PLANTING SHALL BE INSTALLED BETWEEN SEPTEMBER 1 - JUNE 30TH AND IN FAVORABLE WEATHER CONDITIONS. WHEN PLANTING MUST BE PERFORMED OUTSIDE OF SPECIFIED DATES, PLANTS MUST BE WATERED ON A
- REGULAR BASIS TO ENSURE VIABILITY. 17. PLANT VARIETIES, SIZES AND LAYOUT SHALL CONFORM ACCURATELY TO THE LANDSCAPE PLAN. CONTACT LANDSCAPE ARCHITECT FOR FIELD CONFLICTS.
- 18. DISTURBED AREAS SHALL BE SEEDED ACCORDING TO THE NOTES FOUND ON THIS PAGE.
- 19. PLANT SUBSTITUTIONS SHALL BE BROUGHT TO THE ATTENTION OF AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 20. MULCH USED ON-SITE SHALL BE OF A NON-DYED, NATURAL HARDWOOD VARIETY TO BE INSTALLED AT A MAXIMUM DEPTH OF 3", MINIMUM DEPTH OF 2".

GENERAL NOTES:

1. LOCATION OF STREET TREES MAY VARY DUE TO PROPOSED DRIVEWAYS. CONTRACTOR SHALL COORDINATE BETWEEN THE PROPOSED STREET TREES AND DRIVEWAYS. ENSURE A MINIMUM SPACING OF 15' BETWEEN SMALL STREET TREES, 25' BETWEEN MEDIUM STREET TREES, AND 35' BETWEEN LARGE STREET TREES IS MAINTAINED.

TOPSOIL / PLANTING MIX MINIMUM REQUIREMENTS:

- 1. TOPSOIL/PLANTING MIX SHOULD B GROWTH. IT SHOULD BE UNIFORM STONES, LUMPS, LIVE PLANTS AND USED WHILE IN A FROZEN OR MUD
- CLAY (RED CLAY, WELL PULVERIZED) COMPOST*/ORGANIC SILT
- COARSE SAND (FREE OF ROCKS, 0.5 TO 1.0 MM F)
- 4. RECOMMENDATIONS:
- PROPER GROWTH:
 - CALCIUM MAGNESIUM
 - POTASSIUM

SEEDING SCHEDULE FOR LAWNS & SLOPES (MAXIMUM 3:1):

DATE	TYPE	PLANTING RATE
AUG 15 - NOV 1	TALL FESCUE	300 LBS/ACRE
NOV 1 - MAR 1	TALL FESCUE AND ABRUZZI RYE	300 LBS/ACRE OR ANNUAL RYE
MAR 1 - APR 15	TALL FESCUE OR HARD FESCUE	300 LBS/ACRE
MAR 1 - JUL 15	HULLED COMMON BERMUDA GRASS OR HYBRID BERMUDA GRASS OR CENTIPEDE GRASS OR ZOYSIA GRASS OR ST. AUGUSTINE GRASS	200 LBS/ACRE
APR 15 - JUN 30	WEEPING LOVE GRASS OR BAHIA GRASS	25 LBS/ACRE
JUL 1 - AUG 15	TALL FESCUE AND *** BROWNTOP MILLET *** OR SORGHUM-SUDAN HYBRIDS	120 LBS/ACRE 35 LBS/ACRE 30 LBS/ACRE

BE NATURAL, FERTILE, AGRICULTURAL SOIL CAPABLE OF SUSTAINING VIGOR	OUS PLANT
A COMPOSITION THROUGHOUT, WITH ADMIXTURE OF SUBSOIL. IT SHOULD	BE FREE OF
D THEIR ROOTS, STICKS AND OTHER EXTRANEOUS MATTER. TOPSOIL SHOUL) NOT BE
DDY CONDITION.	

2. TOPSOIL/PLANTING MIX SHALL HAVE AN ACIDITY RANGE OF PH 5.5-7.0 AND THE FOLLOWING COMPOSITION: MINIMUM 10%; MAXIMUM 35%

MINIMUM 5%; MAXIMUM 10% MINIMUM 30%; MAXIMUM 50% MINIMUM 30%; MAXIMUM 45%

3. ORGANIC MATERIAL SUCH AS SAWDUST OR LEAF MOLD THAT HAS COMPLETED THE DECOMPOSITION PROCESS

5. ALL PLANTING AREAS SHOULD BE TESTED FOR PROPER DRAINAGE. DRAINAGE SHOULD BE CORRECTED AS NECESSARY TO INSURE PROPER TREE GROWTH AND SURVIVAL. THE FOLLOWING LEVEL OF NUTRIENT ELEMENTS IS RECOMMENDED FOR

55 - 80%

10 - 30%

5 - 8%

~			AMERICAN				4UZU Westchase Boulevard, Sulte 450 Ralainh NC 27607	
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Public

Sewer Collection / Extension System 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 Handboo

City of Raleigh Public Utilities Department Permit #

	Public
Water Distribut	tion / Extension System
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	or this project shall conform to the
standards and specifications	of the City's Public Utilities Handboo
City of Raleigh	
Public Utilities Department Pe	ermit#



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