

CONSTRUCTION DOCUMENTS FOR

YOUNG STREET CONNECTOR

408 E YOUNG STREET

ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

V1-

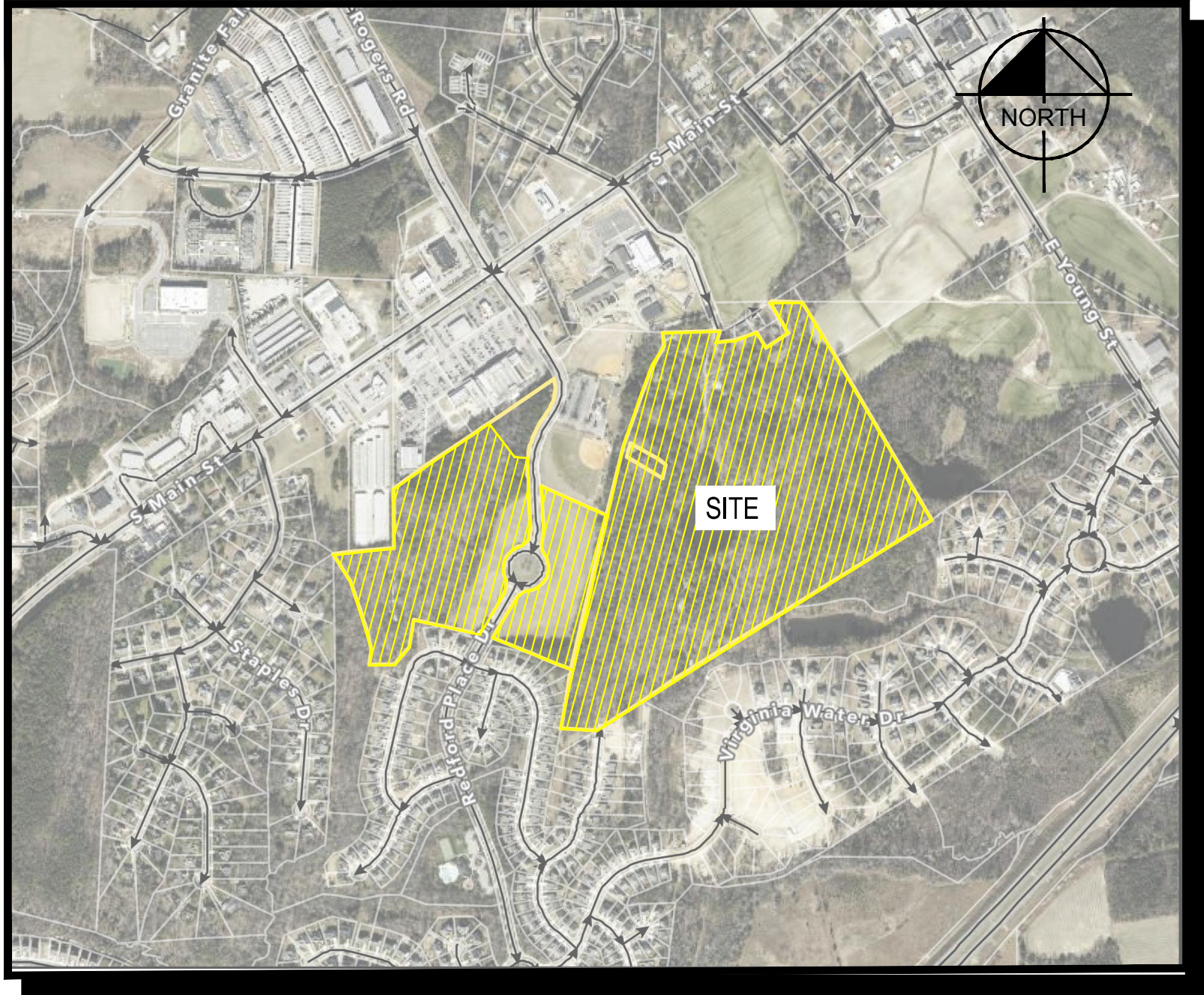
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INITIAL SUBMITTAL: JULY 3, 2023

SITE DATA TABLE		
OWNER	TOWN OF ROLESVILLE	
DEVELOPER	LENNAR CORPORATION	
PIN #	AREA (SF)	AREA (AC)
1768094465	101059	2.32
1768098727	583268.4	13.39
GROSS AREA	684328	15.7
PREVIOUS ZONING	EXEMPT	

PUBLIC IMPROVEMENT QUANTITY TABLE			
PHASE NUMBER	PHASE 1	PUBLIC SEWER (LF)	0
NUMBER OF LOTS	2	PUBLIC STREET (LF) - FULL	1359
LOT NUMBER BY PHASE		PUBLIC STREET (LF) - PARTIAL	0
NUMBER OF UNITS	0	PUBLIC SIDEWALK (LF) - FULL	2676
LIVABLE BUILDINGS	0	PUBLIC SIDEWALK (LF) - PARTIAL	0
NUMBER OF OPEN SPACE LOTS	0	WATER SERVICE STUBS	0
PUBLIC WATER (LF)	0	SEWER SERVICE STUBS	0

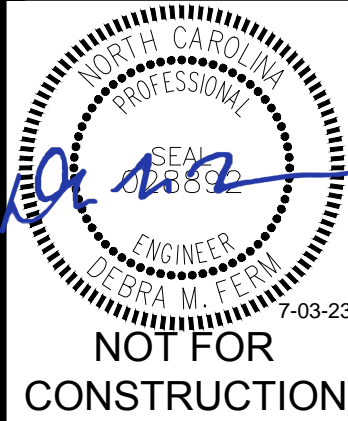


SITE LOCATION MAP

NOT TO SCALE

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
C0-0	COVER SHEET
C0-1	GENERAL NOTES
C1-0	EXISTING CONDITIONS
C2-0	SITE PLAN
C4-0	GRADING AND DRAINAGE PLAN
C5-0	EROSION CONTROL PHASE 1
C5-1	EROSION CONTROL PHASE 2
C6-0	YOUNG STREET CONNECTOR PLAN & PROFILE
C6-1	PAVEMENT MARKING DETAILS
C6-2	EROSION CONTROL DETAILS (1 OF 2)
C6-3	EROSION CONTROL DETAILS (2 OF 2)

PROJECT OWNER AND CONSULTANT INFORMATION		
DEVELOPER: LENNAR CORPORATION 1100 PERIMETER PARK DRIVE, SUITE 112 MORRISVILLE, NC, 27560 (919) 863-6461	ENGINEER: BGE, INC 5400 WADE PARK BOULEVARD RALEIGH, NC, 27607 (919) 276-0111	SURVEYOR: CAWTHORNE, MOSS & PANCIERA, P.C. 333 S. WHITE STREET, PO BOX 1253 WAKE FOREST, NC, 27588 (919) 556-3148
CONTACT: MICHAEL TAYLOR, PE LEED AP.	CONTACT: DEBRA FERM, P.E.	CONTACT:



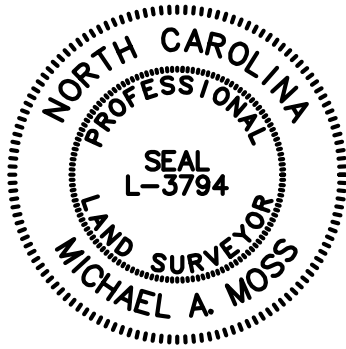
C0-0

I, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY PERFORMED UNDER MY SUPERVISION FROM REFERENCES AS NOTED HERE ON; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION SHOWN IN THE REFERENCES, THAT THE RATIO OF PRECISION OR POSITIONAL ACCURACY AS CALCULATED IS GREATER THAN 1:10000; THIS SURVEY IS NOT TO BE RECORDED WITHOUT THE WRITTEN CONSENT OF THE SURVEYOR.

Michael A. Moss

3/18/2021

PROFESSIONAL LAND SURVEYOR LICENSE NUMBER L-3794



VICINITY MAP

LINE TABLE		
LINE	BEARING	DISTANCE
L-1	S 17°44'29" E	124.25'
L-2	S 32°50'04" E	98.81'
L-3	S 31°56'26" E	128.00'
L-4	S 32°50'04" E	125.00'
L-5	N 57°40'25" E	41.71'
L-6	N 57°53'03" E	119.63'
L-7	N 57°28'44" E	139.98'
L-8	N 57°26'23" E	170.00'
L-9	N 57°23'07" E	62.38'
L-10	N 57°35'22" E	57.66'
L-11	N 57°22'32" E	119.17'

LEGEND:

EIP - EXISTING IRON PIPE
EIB - EXISTING IRON BAR
BEIP - BENT IRON PIPE
BEIB - BENT IRON BAR
CM - CONCRETE MONUMENT
EPK - EXISTING PK NAIL
SPK - SET PK NAIL
NIP - NEW IRON PIPE SET
R/W - RIGHT OF WAY
CATV - CABLE TV BOX
EB - ELECTRIC BOX
TEL - TELEPHONE PEDESTAL
PP - POWER POLE
OHL - OVERHEAD LINE
LP - LIGHT POLE
WM - WATER METER
WV - WATER VALVE
CO - SEWER CLEAN-OUT
CB - CONCRETE
CB - CATCH BASIN
MH - MANHOLE
FH - FIRE HYDRANT
- ADDRESS

TOPOGRAPHIC SURVEY FOR

DONNIE WOODLIEF

406 EAST YOUNG STREET
OWNERS: DONNIE LEE WOODLIEF
& PATSY EDDINS WOODLIEF
REF: D.B. 13036, PAGE 789
REF: B.M. 2008, PAGE 651

408 EAST YOUNG STREET
OWNER: DONNIE L. WOODLIEF
REF: D.B. 2906, PAGE 75

Ø EAST YOUNG STREET
OWNERS: DONNIE L. WOODLIEF
& PATSY E. WOODLIEF
REF: D.B. 2709, PAGE 910

TOWN OF ROLESVILLE
WAKE COUNTY, NORTH CAROLINA



SCALE 1"=100'

MARCH 4, 2021

ZONED R-1

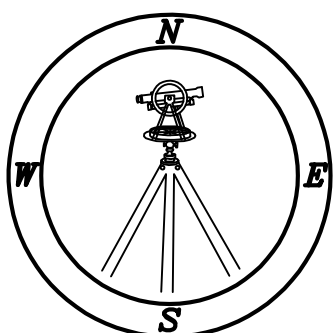
PIN #1769.17-10-2240
PIN #1768.05-09-8727
PIN #1768.05-09-4465
PIN #1769.17-10-1402

NOTES:

- THIS PLAT SUBJECT TO ALL EASEMENTS, AGREEMENTS AND RIGHTS OF WAY OF RECORD PRIOR TO THE DATE OF THIS PLAT.
- UNDERGROUND UTILITIES HAVE BEEN MARKED OR LOCATED FOR THIS PLAT.
- ALL BEARINGS AND DISTANCES ARE HORIZONTAL GROUND MEASUREMENTS
- ALL ELEVATIONS ARE BASED ON NAVD 88
- ALL CONTOURS ARE AT 1' INTERVALS HIGHLIGHTED EVERY 5'.

LINE TYPE LEGEND

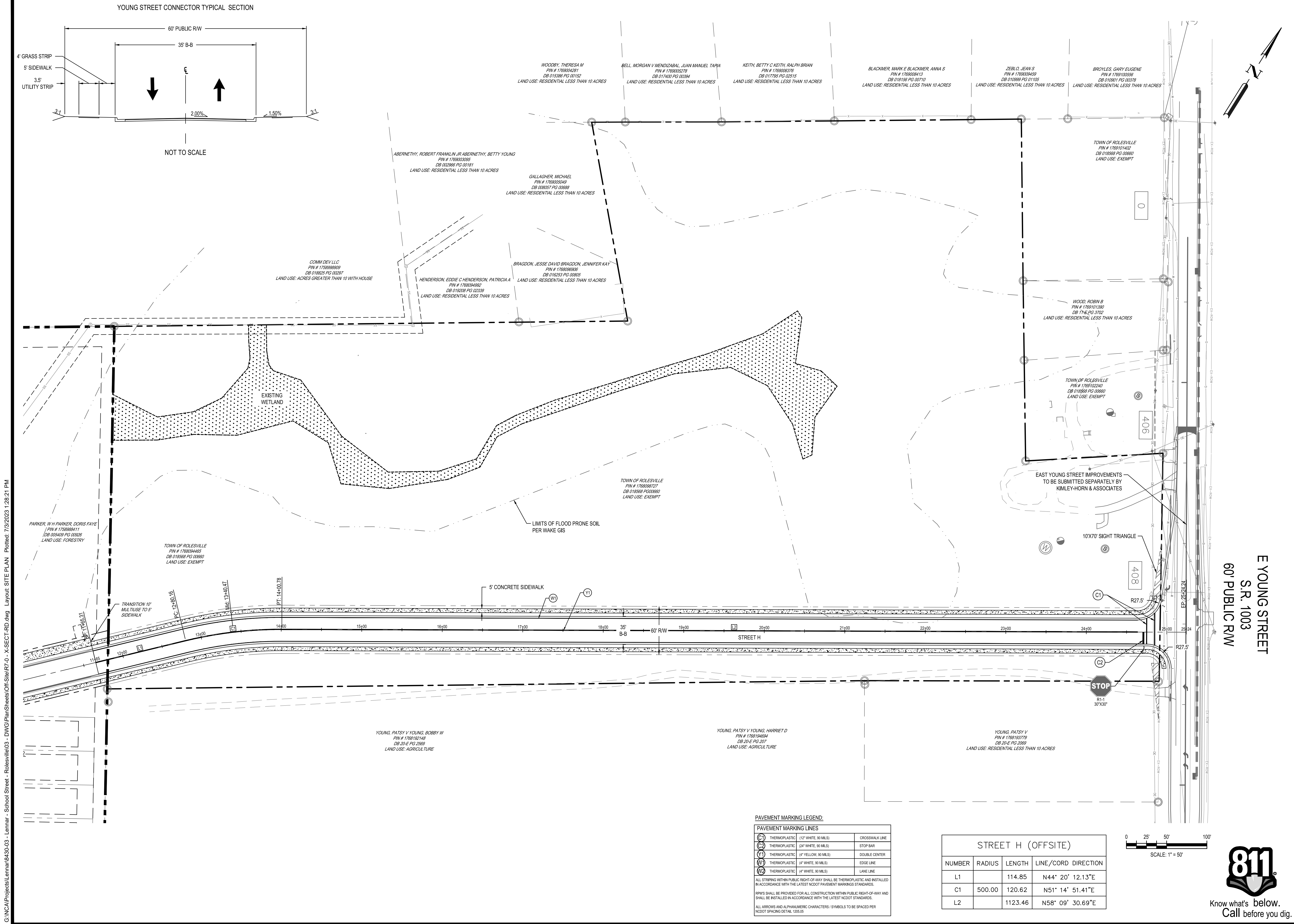
---	PROPERTY LINE - LINE SURVEYED
---	RIGHT-OF-WAY
---	ADJOINING LINE - LINE NOT SURVEYED
---	OVERHEAD LINE
---	BUILDING SETBACK
---	EASEMENT
---	BUFFER
---	FLOOD HAZARD SOILS
-E-E-E-	ELECTRIC LINE
-G-G-G-	GAS LINE
-W-W-W-	WATER LINE
-COMM-COMM-COMM-	COMMUNICATION



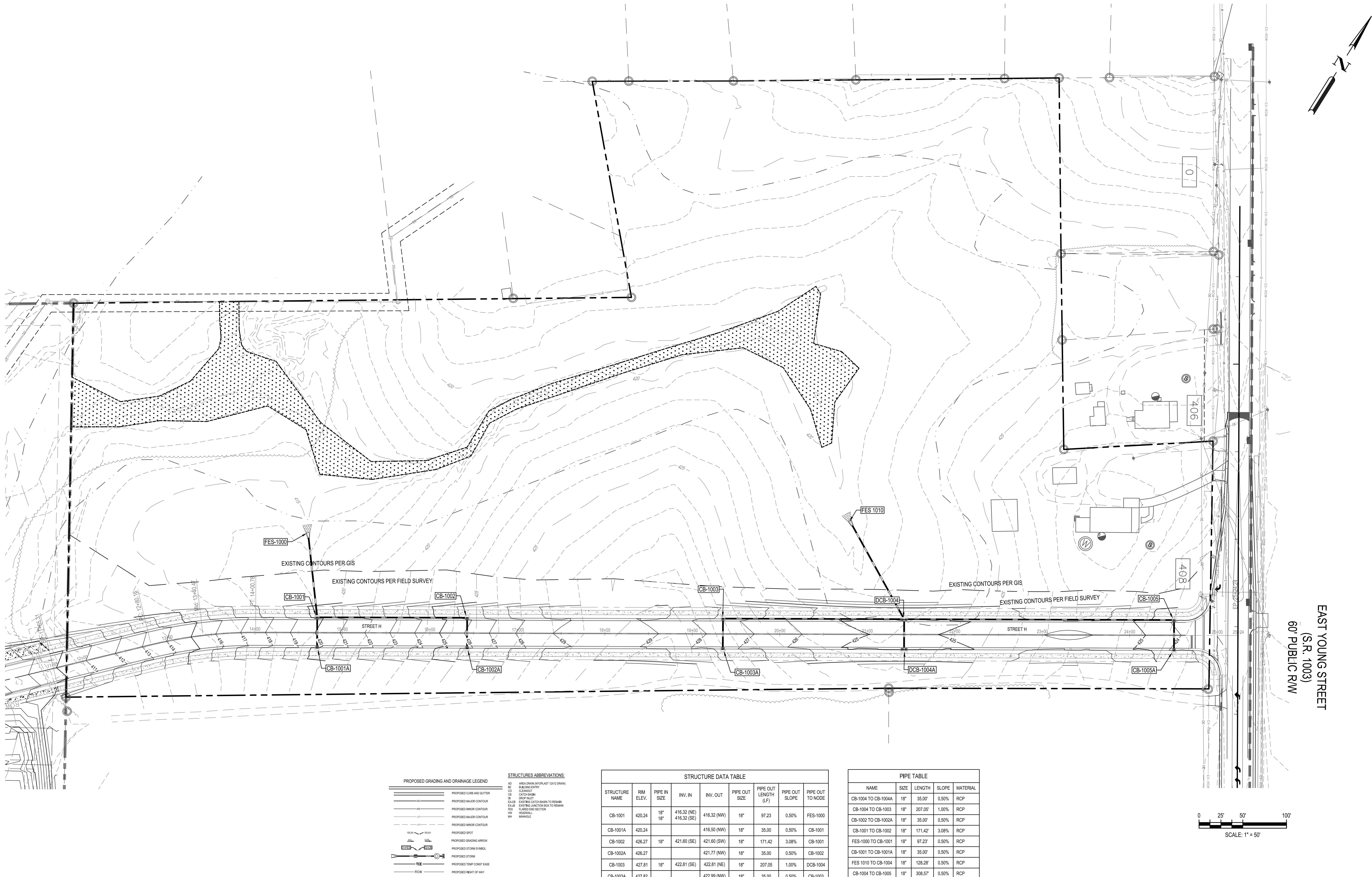
CMP

CAWTHORNE, MOSS & PANCIERA, P.C. PROFESSIONAL LAND SURVEYORS, C-1525, 333 S. WHITE STREET, P.O. BOX 1253, WAKE FOREST N.C., 27588, (919) 556-3148

(X:\PROJECTS\WOODLIEF-ROLESVILLE - JC)



G:\NCA\Projects\Lennar\8430-03 - DWG\PlanSheets\Off-Site\8430-03 - GRAD-RD.dwg Layout: GRADING AND DRAINAGE PLAN Plotted: 7/3/2023 3:29:35 PM



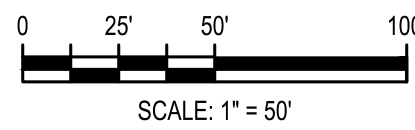
PROPOSED GRADING AND DRAINAGE LEGEND	
	PROPOSED CURB AND GUTTER
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SPOT
	PROPOSED GRADING ARROW
	PROPOSED STORM SYMBOL
	PROPOSED STORM
	PROPOSED TEMP CONSTRUCTION EASEMENT
	PROPOSED RIGHT OF WAY

STRUCTURES ABBREVIATIONS:	
AD	AREA DRAIN (NOT PLANT 12X12 DRAIN)
BL	BLINDING ENTRY
CB	CATCH BASIN
CA	CATCH BASIN
DR	DROP INLET
EX	EXISTING CATCH BASIN TO REMAIN
FL	FLARED END SECTION
HM	HORIZONTAL MANHOLE
MAN	MANHOLE

STRUCTURE DATA TABLE							
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT LENGTH (LF)	PIPE OUT TO NODE
CB-1001	420.24	18"	416.32 (NE) 416.32 (SE)	416.32 (NW)	18"	97.23	FES-1000
CB-1001A	420.24			416.50 (NW)	18"	35.00	CB-1001
CB-1002	426.27	18"	421.60 (SE)	421.60 (SW)	18"	171.42	CB-1001
CB-1002A	426.27			421.77 (NW)	18"	35.00	CB-1002
CB-1003	427.81	18"	422.81 (SE)	422.81 (NE)	18"	207.05	DCB-1004
CB-1003A	427.82			422.99 (NW)	18"	35.00	CB-1003
CB-1005	424.64	18"	421.43 (SE)	421.43 (SW)	18"	308.57	DCB-1004
CB-1005A	424.82			421.61 (NW)	18"	35.00	CB-1005
DCB-1004	425.03	18"	421.33 (SE) 420.74 (SW) 419.89 (NE)	419.89 (NW)	18"	128.28	FES 1010
DCB-1004A	425.03			421.50 (NW)	18"	35.00	DCB-1004
FES-1000	418.04	18"	415.83 (SE)				
FES 1010	421.46	18"	419.25 (SE)				

PIPE TABLE				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
CB-1004 TO CB-1004A	18"	35.00'	0.50%	RCP
CB-1004 TO CB-1003	18"	207.05'	1.00%	RCP
CB-1002 TO CB-1002A	18"	35.00'	0.50%	RCP
CB-1001 TO CB-1002	18"	171.42'	3.08%	RCP
FES-1000 TO CB-1001	18"	97.23'	0.50%	RCP
CB-1001 TO CB-1001A	18"	35.00'	0.50%	RCP
FES 1010 TO CB-1004	18"	128.28'	0.50%	RCP
CB-1004 TO CB-1005	18"	308.57'	0.50%	RCP
CB-1005 TO CB-1005A	18"	35.00'	0.50%	RCP *
CB-1003 TO CB-1003A	18"	35.00'	0.50%	RCP

* O-RING PIPE REQUIRED



NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03

DATE: 07/03/2023

C4-0

811

Know what's below.
Call before you dig.

GRADING AND DRAINAGE PLAN

YOUNG STREET CONNECTION

408 E YOUNG STREET

ROLESVILLE / NORTH CAROLINA / 27571

LENNAR CORPORATION

1100 PERIMETER PARK DRIVE, SUITE 112

MORRISVILLE / NORTH CAROLINA / 27560

BCE

5440 WADE PARK BLVD, SUITE 102

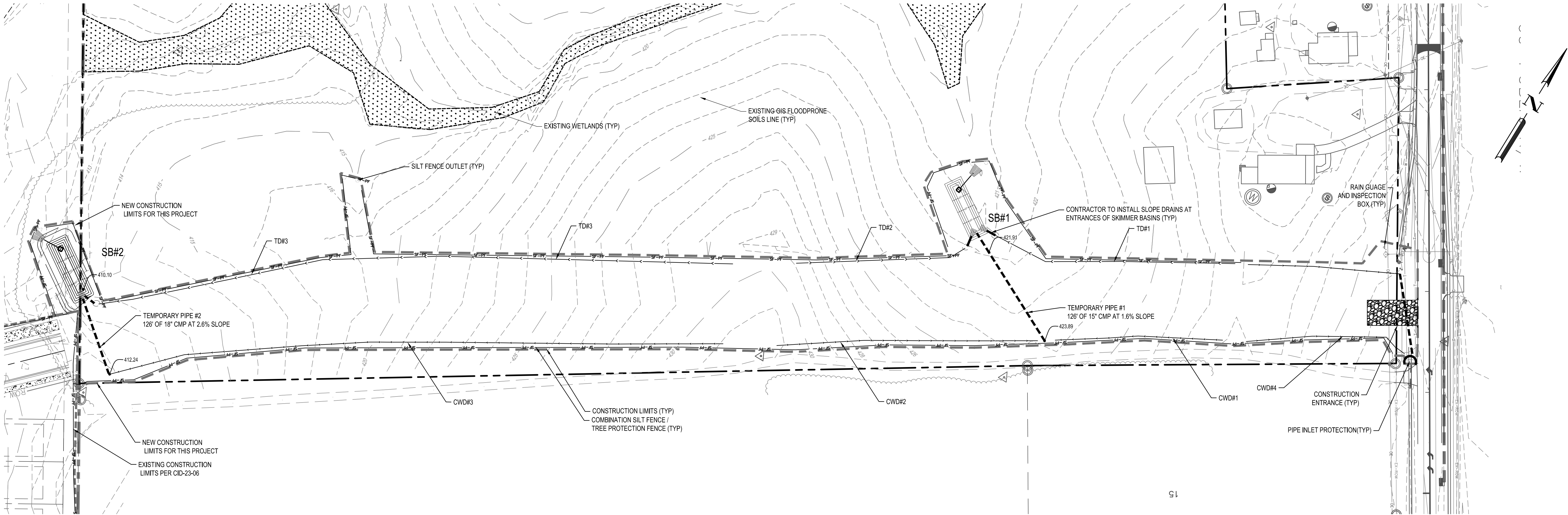
RALEIGH NC 27607

WWW.BCEINC.COM

NC LICENSE #C-4397

DESIGNED BY:	DF/JJWM	
DRAWN BY:	JJWM	
REVIEWED BY:	DF	
REV	DATE	DESCRIPTION

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\Off-Site\8430-03 - Erosion Control (1 OF 2) - Erosion Control.dwg Layout: 7/3/2023 3:52:10 PM



SKIMMER BASIN SUMMARY																	
BASIN NUMBER	DRAINAGE AREA (AC)	DENUDED AREA (AC)	RUNOFF COEFFICIENT	SYSTEM INTENSITY (IN/HR)	10-YEAR PEAK FLOW (CFS)	BASIN DIMENSIONS			TOP OF DAM EL. (FT)	WEIR LENGTH (FT)	AREA REQUIRED (SF)	AREA PROVIDED (SF)	VOLUME REQUIRED (CF)	VOLUME PROVIDED (CF)	SKIMMER SIZE (IN)	SKIMMER ORIFICE DIA. (IN)	DEWATERING TIME (DAYS)
						DEPTH (FT)	LENGTH (FT)	WIDTH (FT)									
SB #1	1.16	1.16	0.50	7.25	4.21	3.0	66	22	278	6	1,367	1,452	2,088	2,916	4	0.75	2.78
SB #2	1.13	1.13	0.50	7.25	4.10	3.0	66	22	290	6	1,331	1,452	2,034	2,916	4	0.75	2.71

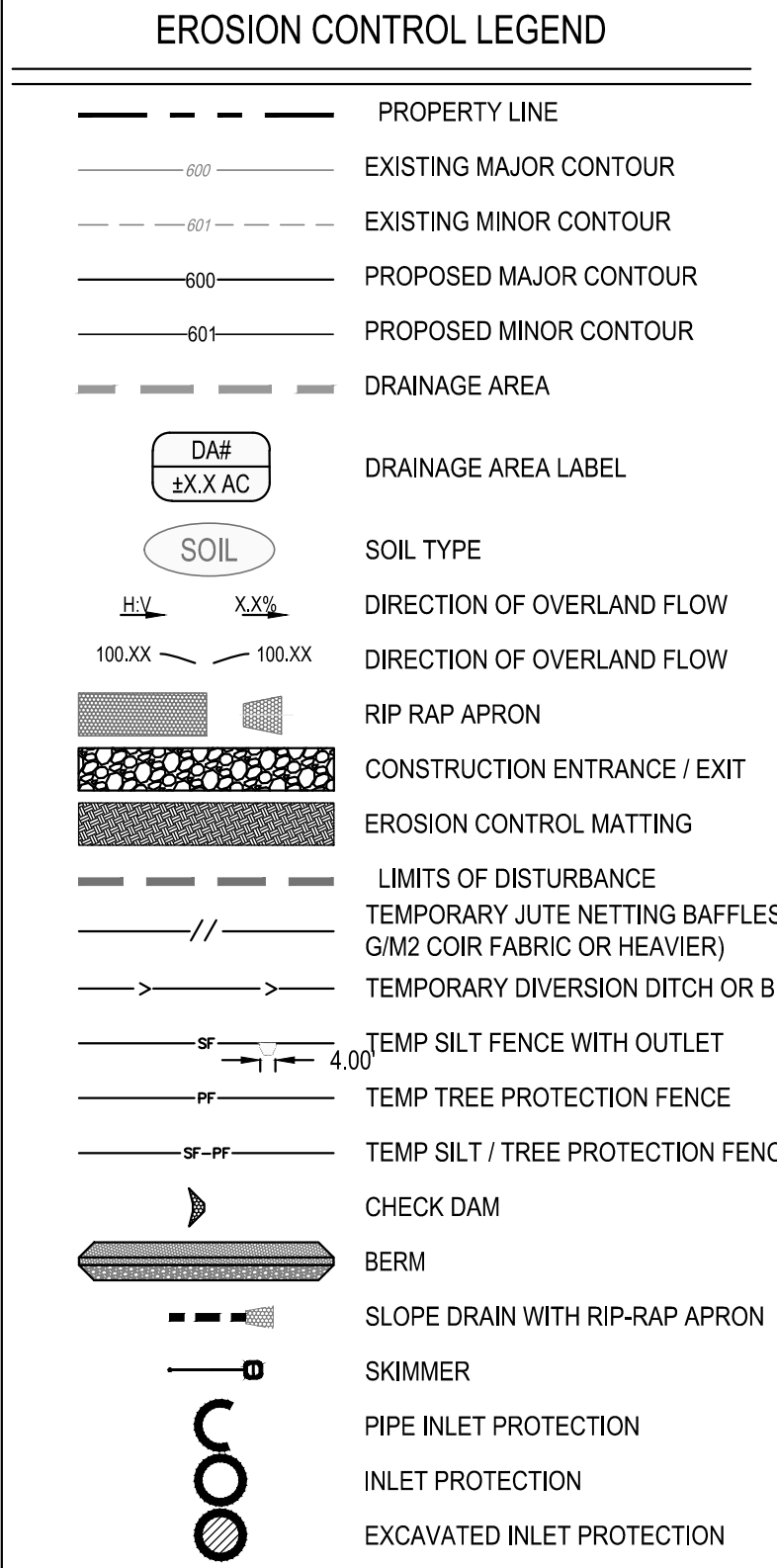
Temporary Diversion Ditch, Pipe Sizing & Lining Calculations

Rainfall Intensity $I_{10-yr} = 7.25$ in/hr

Swale ID	Rational C	Drainage Area (ac)	Q_{10-yr} (cfs)	Slope (%)	Calculated Depth (ft)	Calculated Shear Stress (lbs/ft ²)	Calculated Velocity (ft/s)	Bottom Width (ft)	# of Check Dams	Type of Liner	Slope Drain Type and Size (in)
TD1	0.50	0.34	1.24	2.49%	0.23	0.004	2.19	2	2	GRASS	CMP - 12"
TD2	0.50	0.43	1.55	3.65%	0.23	0.01	2.69	4	3	GRASS	CMP - 12"
TD3	0.50	1.13	4.11	2.72%	0.44	0.01	3.25	2	8	GRASS	CMP - 12"
CWD 1	0.50	0.15	0.53	4.41%	0.31	0.01	2.78	0	3	GRASS	N/A
CWD 2	0.50	0.25	0.89	3.13%	0.40	0.01	2.77	0	4	GRASS	N/A
CWD 3	0.50	0.60	2.19	4.00%	0.53	0.01	3.82	0	4	GRASS	N/A
PIPE 1	0.50	1.16	4.21	1.59%	0.98	0.01	6.81	4	1	N/A	CMP - 15"
PIPE 2	0.50	1.74	6.31	2.56%	0.92	0.01	5.83	4	1	N/A	CMP - 18"

NOTES:
All ditches are to be trapezoidal in shape: 2:1 sideslopes, and height of 1.0'
Calculated Depth and Calculated Velocity Based on Flowmaster Output
NAG S150: North American Green S150 or approved equal

ABBREVIATIONS
TD = TEMPORARY DIVERSION
CWD = CLEAN WATER DIVERSION
SB = SKIMMER BASIN



NARRATIVE

PROJECT INCLUDES APPROXIMATELY 1,520 LINEAR FEET OF 36" BACK TO BACK STREET SECTION TO CONNECT STREET H TO YOUNG STREET AND STORM DRAINAGE IN ROLESVILLE, NC. THERE IS A FUTURE DEVELOPMENT (BY OTHERS) ON THIS PROPERTY THAT WILL REQUIRE STORMWATER CONTROL MEASURES AND WILL TREAT THE NEW IMPERVIOUS INCLUDING THIS PROJECT'S IMPERVIOUS AREAS.

CONSTRUCTION SEQUENCE - PHASE 1

- SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL CONSULTANT. OBTAIN A LAND DISTURBING PERMIT.
- INSTALL GRAVEL CONSTRUCTION PAD, BYPASS PIPES AND CLEAN WATER DIVERSIONS TO BYPASS PIPES. INSTALL TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS, AND BASINS IMMEDIATELY AFTER CONSTRUCTION.
- CALL ENVIRONMENTAL CONSULTANT FOR AN ONSITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT TO OBTAIN A CERTIFICATE OF COMPLIANCE.

CONSTRUCTION SEQUENCE - PHASE 2

- BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.
- INSTALL STORM SEWER, IF SHOWN, AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS, SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN. BEGIN CONSTRUCTION, BUILDING, ETC.
- 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.
- WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL ENVIRONMENTAL CONSULTANT FOR AN INSPECTION.
- IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS, ETC., AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATORS, SHOULD NOW BE INSTALLED.
- WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT. OBTAIN A CERTIFICATE OF COMPLETION.

DISTURBED AREA: 3.05 AC

0 25' 50' 100'
SCALE: 1" = 50'



DESIGNED BY: DF/JWM

DRAWN BY: JWM

REVIEWED BY: DF

4/11/23

4/11/23

4/11/23

4/11/23

DATE

DESCRIPTION

BCE

5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BCEINC.COM
NC LICENSE #C-4397

©2023

LENNAR CORPORATION

1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

YOUNG STREET CONNECTION

408 E YOUNG STREET
ROLESVILLE / NORTH CAROLINA / 27571

EROSION CONTROL PHASE 1

7-03-23

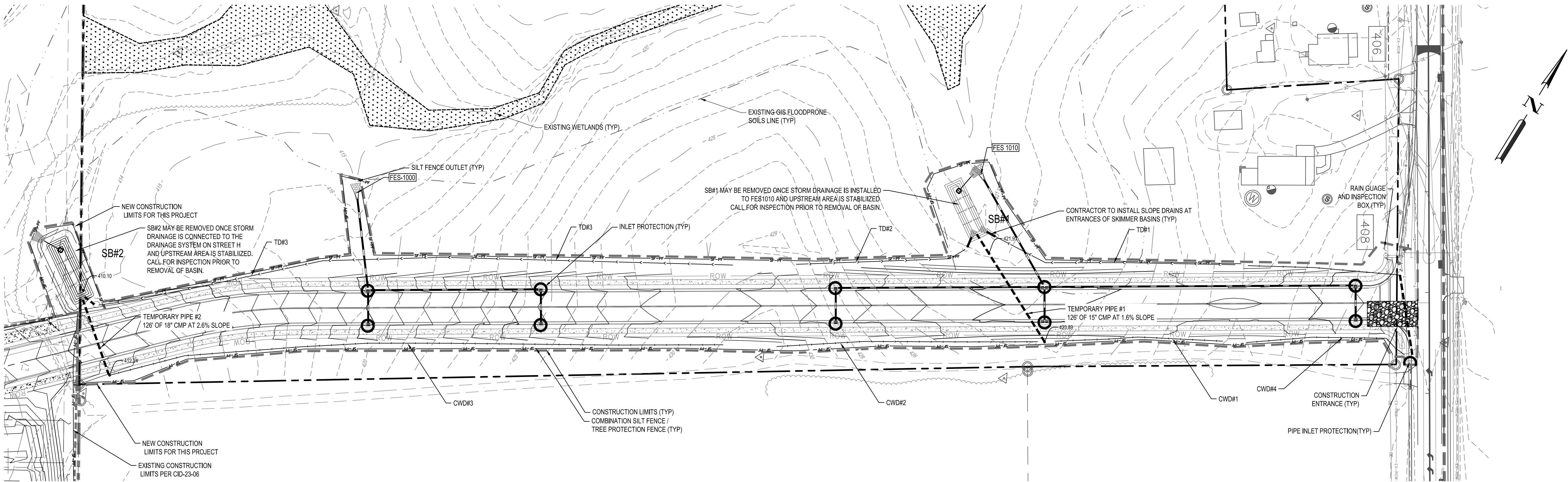
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03

DATE: 07/03/2023

C5-0

G:\NCA\Projects\Lennar\8430-03 - DWG\PlanSheets\Off-Site\8430-03 - Erosion Control - Phase 2 - Plotted: 7/3/2023 9:51:34 PM



SKIMMER BASIN SUMMARY																	
BASIN NUMBER	DRAINAGE AREA (AC)	DENUDED AREA (AC)	RUNOFF COEFFICIENT	SYSTEM INTENSITY (IN/HR)	10-YEAR PEAK FLOW (CFS)	BASIN DIMENSIONS			TOP OF DAM EL. (FT)	WEIR LENGTH (FT)	AREA REQUIRED (SF)	AREA PROVIDED (SF)	VOLUME REQUIRED (CF)	VOLUME PROVIDED (CF)	SKIMMER SIZE (IN)	SKIMMER ORIFICE DIA. (IN)	DEWATERING TIME (DAYS)
						DEPTH (FT)	LENGTH (FT)	WIDTH (FT)									
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SB #2	1.13	1.13	0.50	7.25	4.10	3.0	66	22	290	6	1,331	1,452	2,034	2,916	4	0.75	2.71

Temporary Diversion Ditch, Pipe Sizing & Lining Calculations

Rainfall Intensity $I_{10-yr} = 7.25$ in/hr

Swale ID	Rational C	Drainage Area (ac)	Q_{10-yr} (cfs)	Slope (%)	Calculated Depth (ft)	Calculated Shear Stress (lbs/ft ²)	Calculated Velocity (ft/s)	Bottom Width (ft)	# of Check Dams	Type of Liner	Slope Drain Type and Size (in)
TD1	0.50	0.34	1.24	2.49%	0.23	0.004	2.19	2	2	GRASS	CMP - 12"
TD2	0.50	0.43	1.55	3.65%	0.23	0.01	2.69	4	3	GRASS	CMP - 12"
TD3	0.50	1.13	4.11	2.72%	0.44	0.01	3.25	2	8	GRASS	CMP - 12"
CWD 1	0.50	0.15	0.53	4.41%	0.31	0.01	2.78	0	3	GRASS	N/A
CWD 2	0.50	0.25	0.89	3.13%	0.40	0.01	2.77	0	4	GRASS	N/A
CWD 3	0.50	0.60	2.19	4.00%	0.53	0.01	3.82	0	4	GRASS	N/A
PIPE 1	0.50	1.16	4.21	1.59%	0.98	0.01	6.81	4	1	N/A	CMP - 15"
PIPE 2	0.50	1.74	6.31	2.56%	0.92	0.01	5.83	4	1	N/A	CMP - 18"

NOTES:

All ditches are to be trapezoidal in shape: 2:1 sideslopes, and height of 1.0'
Calculated Depth and Calculated Velocity Based on Flowmaster Output
NAG S150: North American Green S150 or approved equal

ABBREVIATIONS
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SECTION E: GROUND STABILIZATION		
Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after causing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (H2O) 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 - 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 H2O Zones - 10 days for Falls Lake Watershed
(d) Slopes 3:1 to 4:1	14	
(e) Areas with slopes flatter than 4:1	14	7 days for perimeter dikes, swales, ditches, perimeter slopes and H2O Zones 10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION	
Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:	
Temporary Stabilization <ul style="list-style-type: none">Temporary grass seed covered with straw or other mulches and tackifiersHydroseedingRoll-on erosion control products with or without temporary grass seedAppropriately applied straw or other mulchPlastic sheeting	Permanent Stabilization <ul style="list-style-type: none">Permanent grass seed covered with straw or other mulches and tackifiersGeotextile fabrics such as permanent soil reinforcement mattingHydroseedingShrubs or other permanent plantings covered with mulchUniform and evenly distributed ground cover sufficient to restrain erosionStructural methods such as concrete, asphalt or retaining wallsRoll-on erosion control products with grass seed

EROSION CONTROL LEGEND

---	PROPERTY LINE
---	EXISTING MAJOR CONTOUR
---	EXISTING MINOR CONTOUR
---	PROPOSED MAJOR CONTOUR
---	PROPOSED MINOR CONTOUR
---	DRAINAGE AREA
DA# 5X.X AC	DRAINAGE AREA LABEL
SOIL	SOIL TYPE
H.V. X.X%	DIRECTION OF OVERLAND FLOW
100.XX 100.XX	DIRECTION OF OVERLAND FLOW
---	RIP RAP APRON
---	CONSTRUCTION ENTRANCE / EXIT
---	EROSION CONTROL MATTING
---	LIMITS OF DISTURBANCE
---	TEMPORARY JUTE NETTING BARRIERS
---	TEMPORARY DIVERSION DITCH OR B
---	TEMP SILT FENCE WITH OUTLET
---	TEMP TREE PROTECTION FENCE
---	TEMP SILT / TREE PROTECTION FENCE
---	CHECK DAM
---	BERM
---	SLOPE DRAIN WITH RIP-RAP APRON
---	SKIMMER
---	PIPE INLET PROTECTION
---	INLET PROTECTION
---	EXCAVATED INLET PROTECTION

NARRATIVE

PROJECT INCLUDES APPROXIMATELY 1,520 LINEAR FEET OF 36" BACK TO BACK STREET SECTION TO CONNECT STREET H TO YOUNG STREET AND STORM DRAINAGE IN ROLESVILLE, NC. THERE IS A FUTURE DEVELOPMENT (BY OTHERS) ON THIS PROPERTY THAT WILL REQUIRE STORMWATER CONTROL MEASURES AND WILL TREAT THE NEW IMPERVIOUS INCLUDING THIS PROJECT'S IMPERVIOUS AREAS.

CONSTRUCTION SEQUENCE - PHASE 1

- SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL CONSULTANT. OBTAIN A LAND DISTURBING PERMIT.
- INSTALL GRAVEL CONSTRUCTION PAD, BYPASS PIPES AND CLEAN WATER DIVERSIONS TO BYPASS PIPES. INSTALL TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS, AND BASINS IMMEDIATELY AFTER CONSTRUCTION.
- CALL ENVIRONMENTAL CONSULTANT FOR AN ONSITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT TO OBTAIN A CERTIFICATE OF COMPLIANCE.

CONSTRUCTION SEQUENCE - PHASE 2

- BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.
- INSTALL STORM SEWER, IF SHOWN, AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS, SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN. BEGIN CONSTRUCTION, BUILDING, ETC.
- 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.
- WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL ENVIRONMENTAL CONSULTANT FOR AN INSPECTION.
- IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCE, SEDIMENT BASINS, ETC., AND SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES, SUCH AS VELOCITY DISSIPATORS, SHOULD NOW BE INSTALLED.
- WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE ENVIRONMENTAL CONSULTANT. OBTAIN A CERTIFICATE OF COMPLETION.

DISTURBED AREA: 3.05 AC

0 25' 50' 100'
SCALE: 1" = 50'



DESIGNED BY: DF/JWM

DRAWN BY: JWM

REVIEWED BY: DF

406

408

RAINFALL GUAGE AND INSPECTION BOX (TYP)

CONTRACTOR TO INSTALL SLOPE DRAINS AT ENTRANCES OF SKIMMER BASINS (TYP)

PIPE INLET PROTECTION (TYP)

CONSTRUCTION ENTRANCE (TYP)

CWD#1

CWD#2

CWD#3

CWD#4

CONSTRUCTION LIMITS (TYP)

COMBINATION SILT FENCE / TREE PROTECTION FENCE (TYP)

EXISTING WETLANDS (TYP)

EXISTING GIS FLOODPRONE SOILS LINE (TYP)

SILT FENCE OUTLET (TYP)

FES-1000

FES-1010

SB#1

SB#2

TD#1

TD#2

TD#3

TEMPORARY PIPE #1

TEMPORARY PIPE #2

NEW CONSTRUCTION LIMITS FOR THIS PROJECT

EXISTING CONSTRUCTION LIMITS PER CID-23-06

LENARR CORPORATION

1100 PERIMETER PARK DRIVE, SUITE 112

MORRISVILLE / NORTH CAROLINA / 27560

YOUNG STREET CONNECTION

408 E YOUNG STREET

ROLESVILLE / NORTH CAROLINA / 27571

EROSION CONTROL

PHASE 2

7-03-23

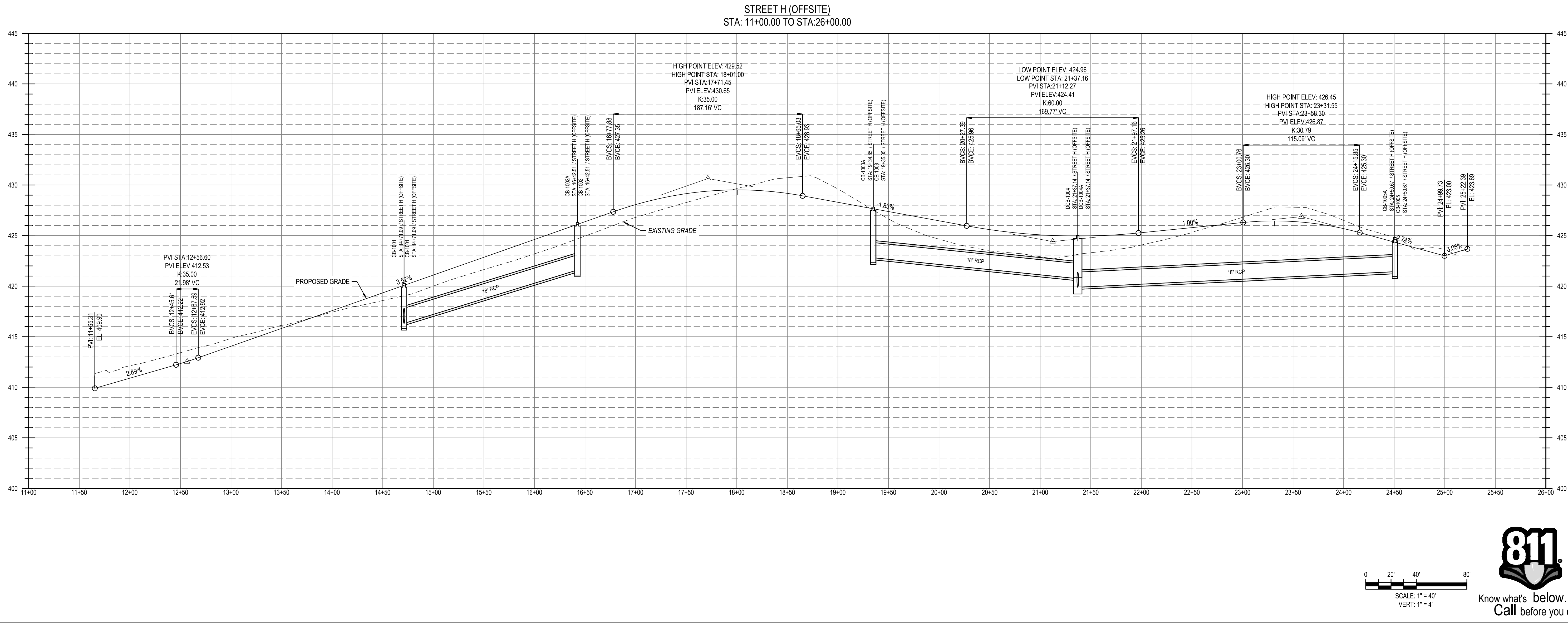
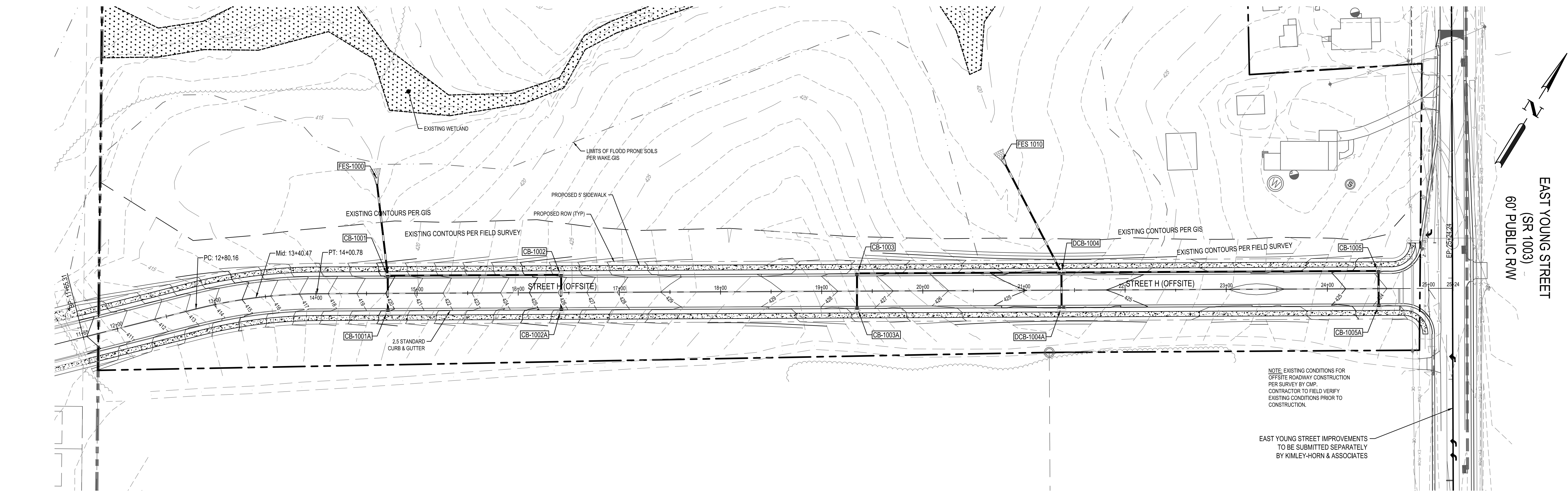
NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03

DATE: 07/03/2023

C5-1

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\Off-Site\RI-0 - PLAN-RD.dwg Layout: C6-0 YOUNG STREET CONNECTOR PLAN & PROFILE Plotted: 7/3/2023 4:09:41 PM



Know what's below.
Call before you dig.

NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03

DATE: 07/03/2023

C6-0

YOUNG STREET CONNECTION

408 E YOUNG STREET

ROLESVILLE / NORTH CAROLINA / 27571

LENNAR CORPORATION

1100 PERIMETER PARK DRIVE, SUITE 112

MORRISVILLE / NORTH CAROLINA / 27560

BCE

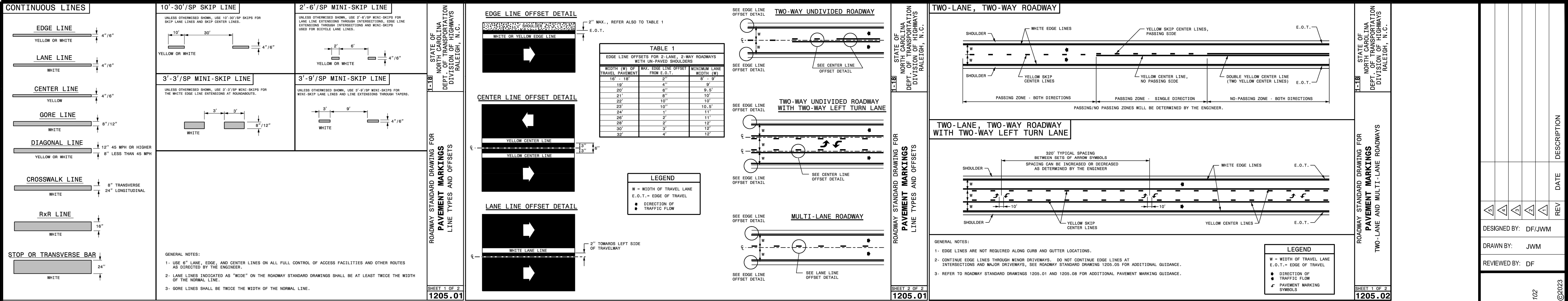
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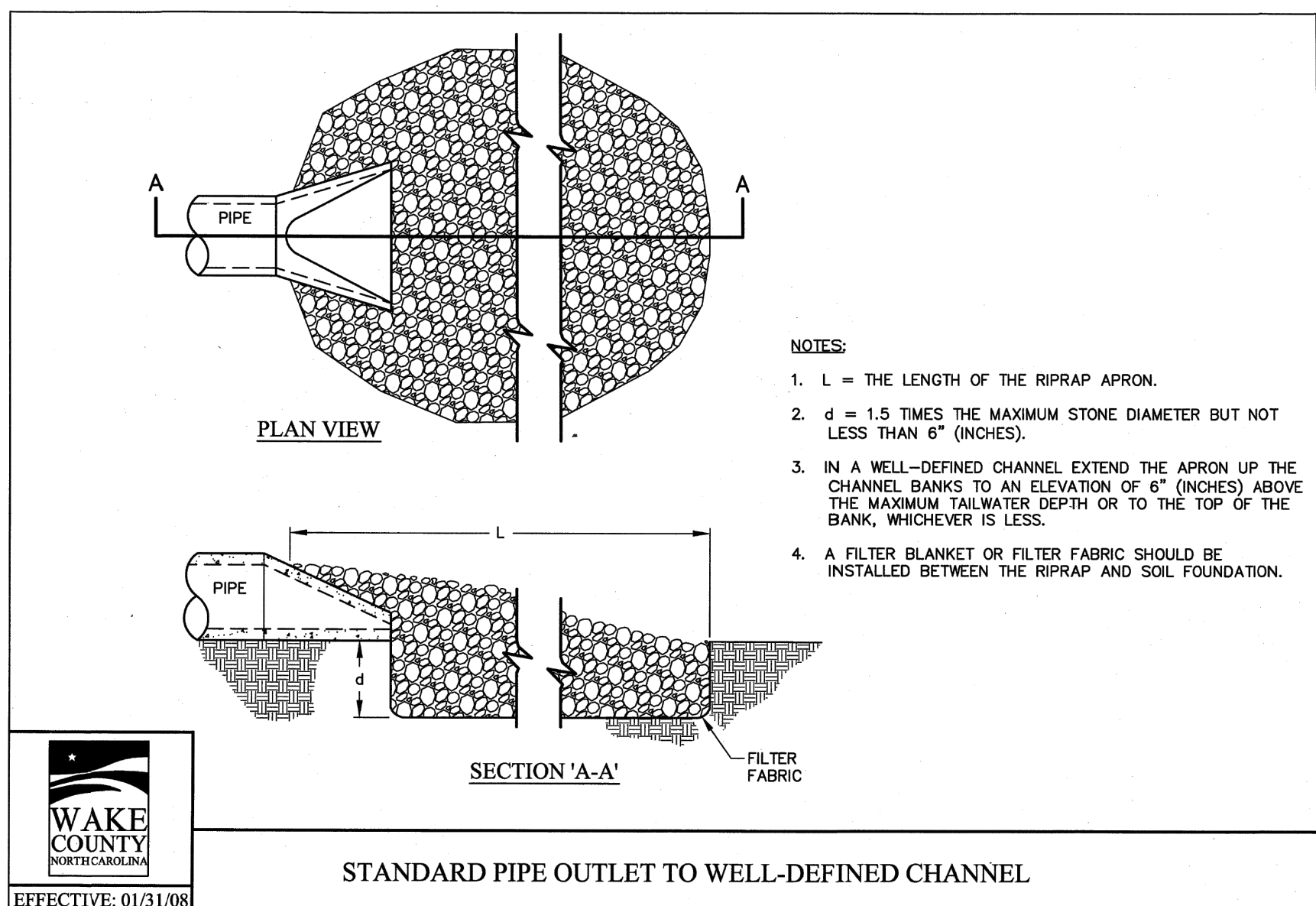
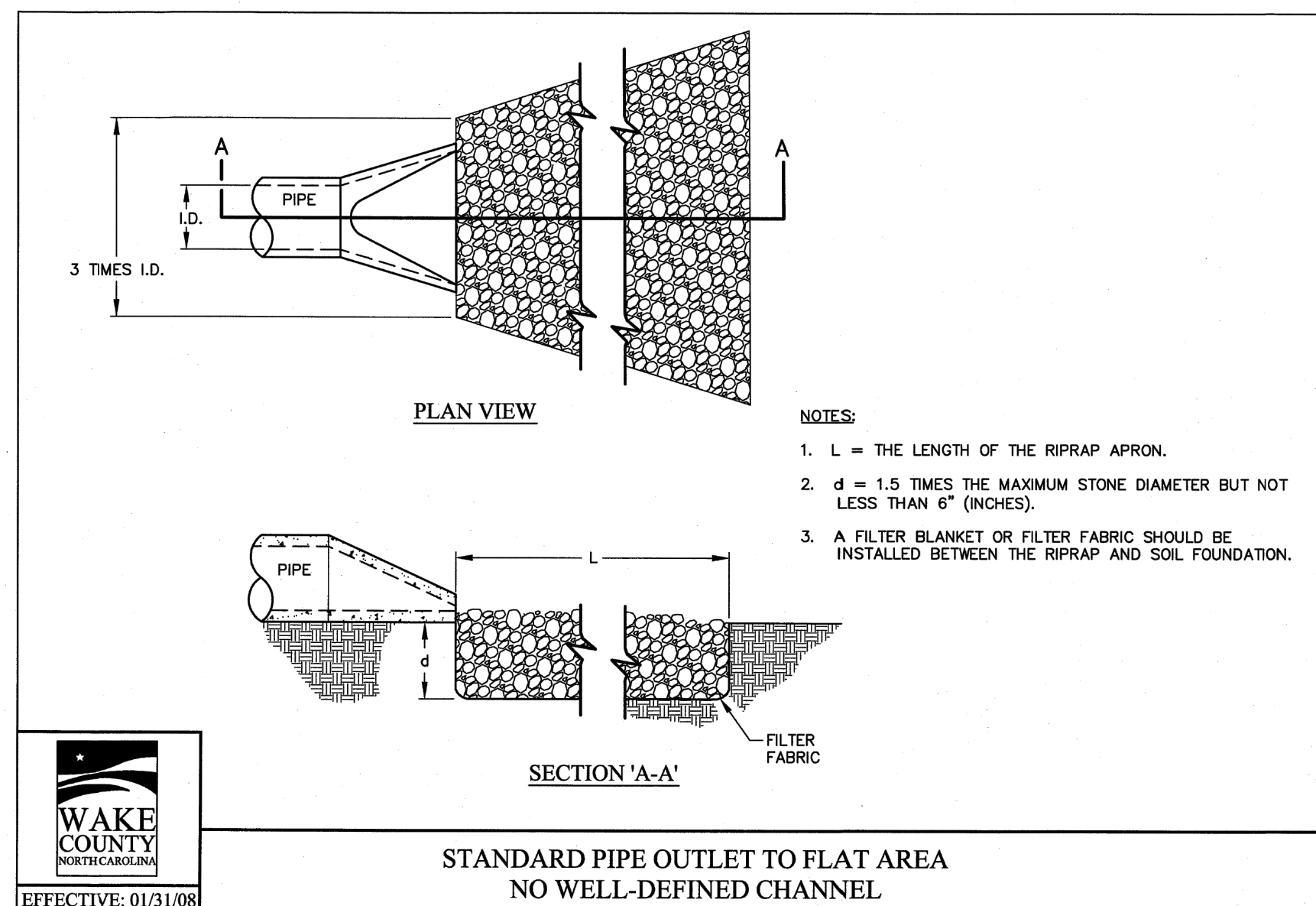
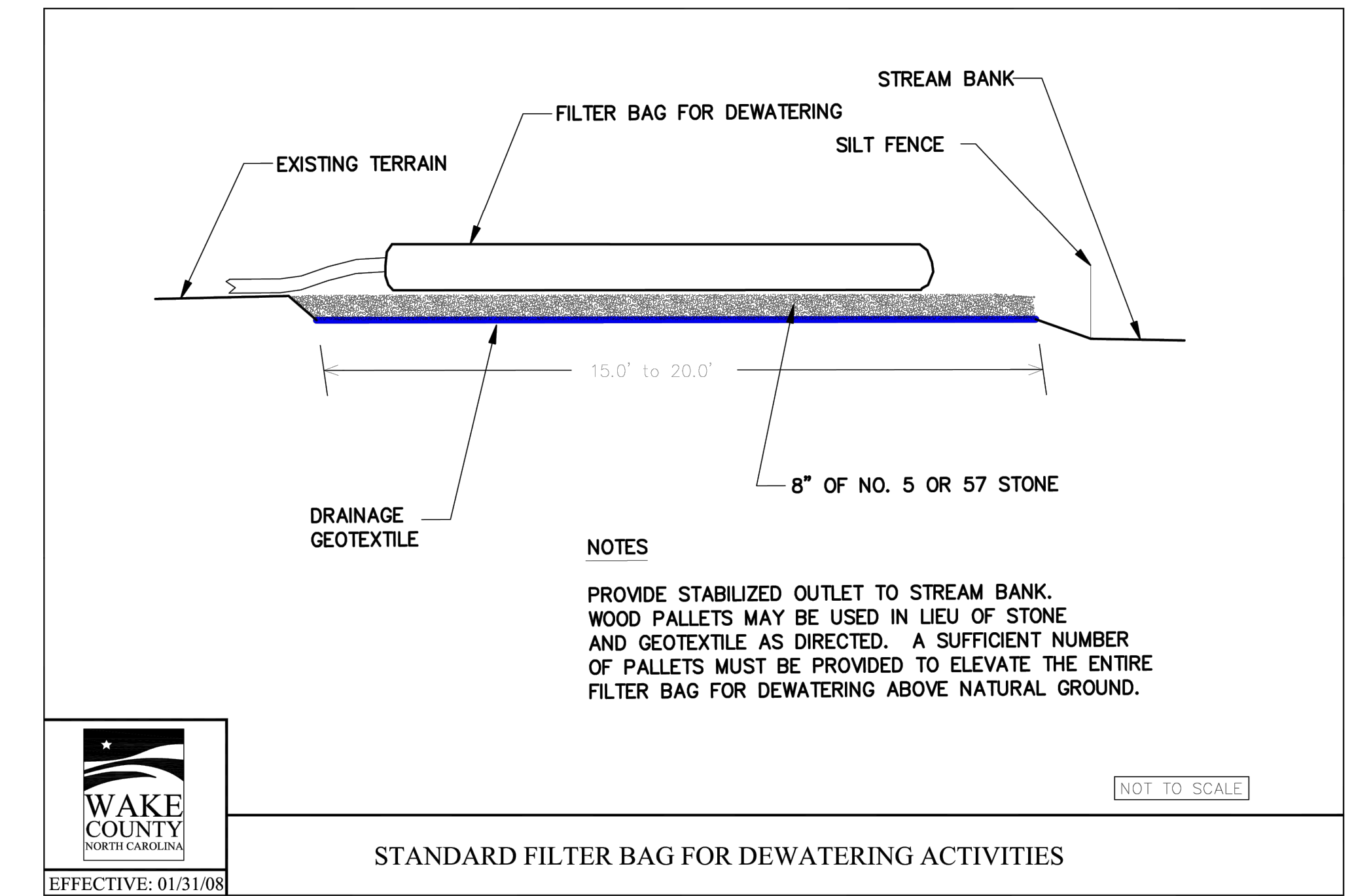
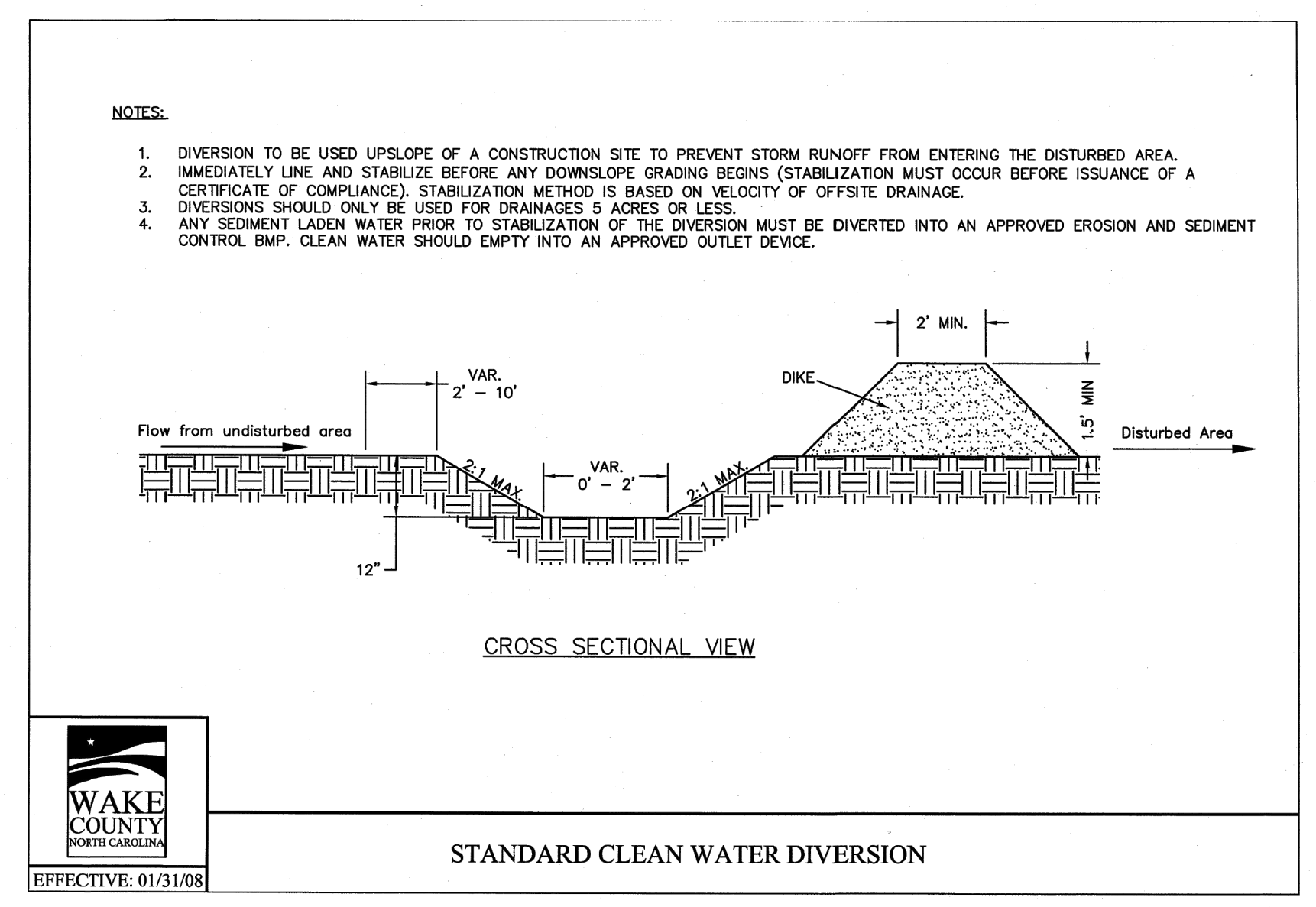
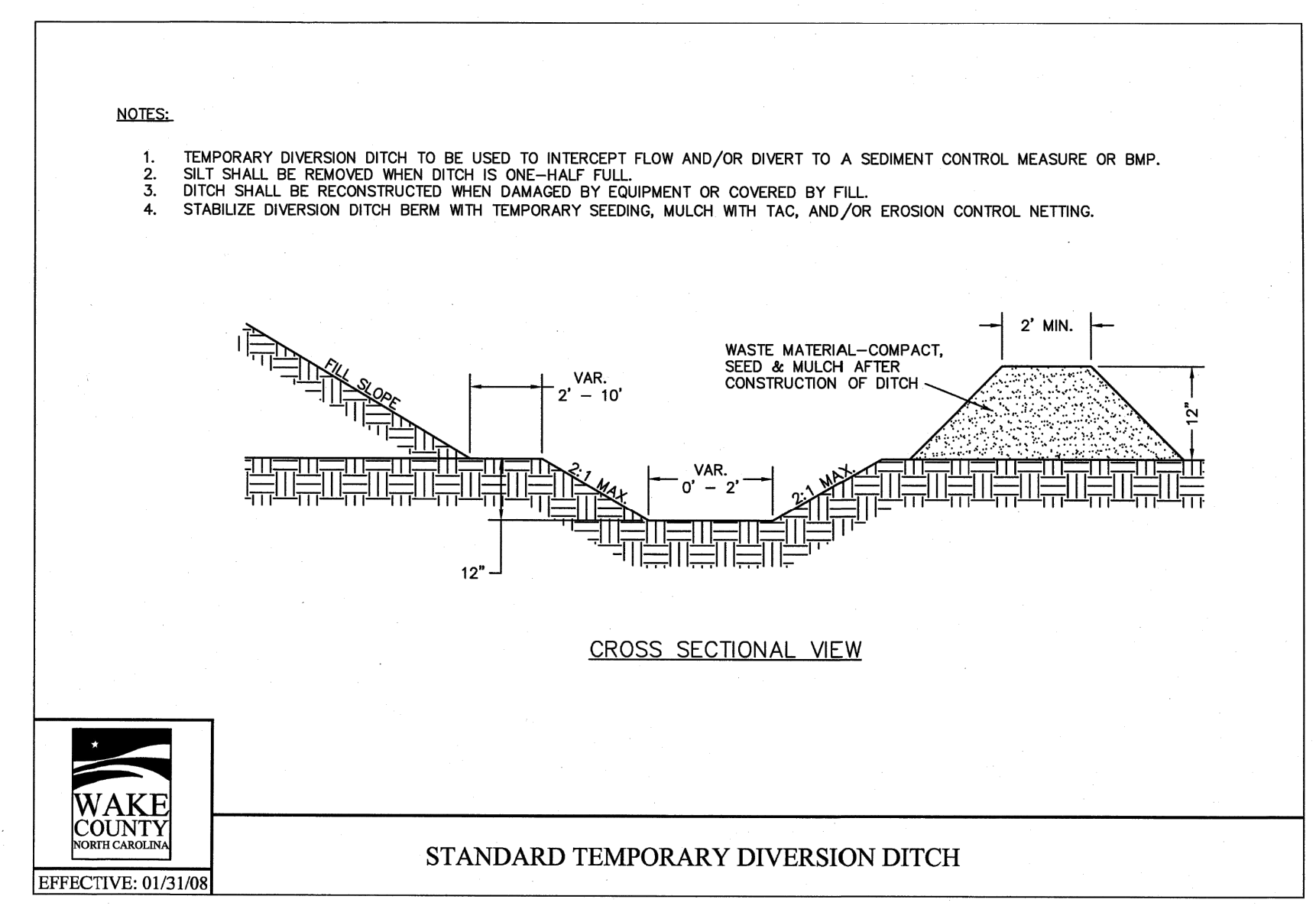
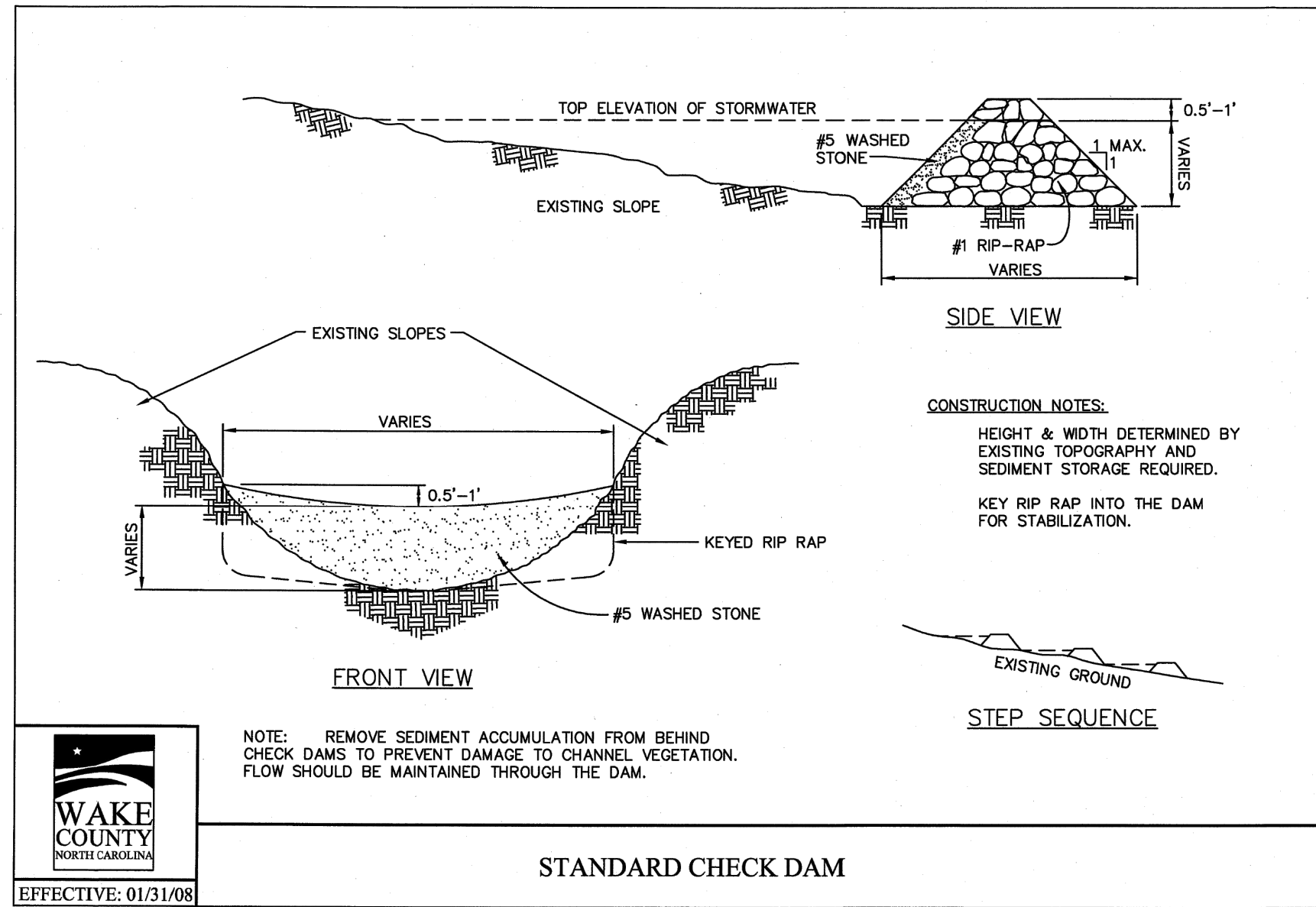
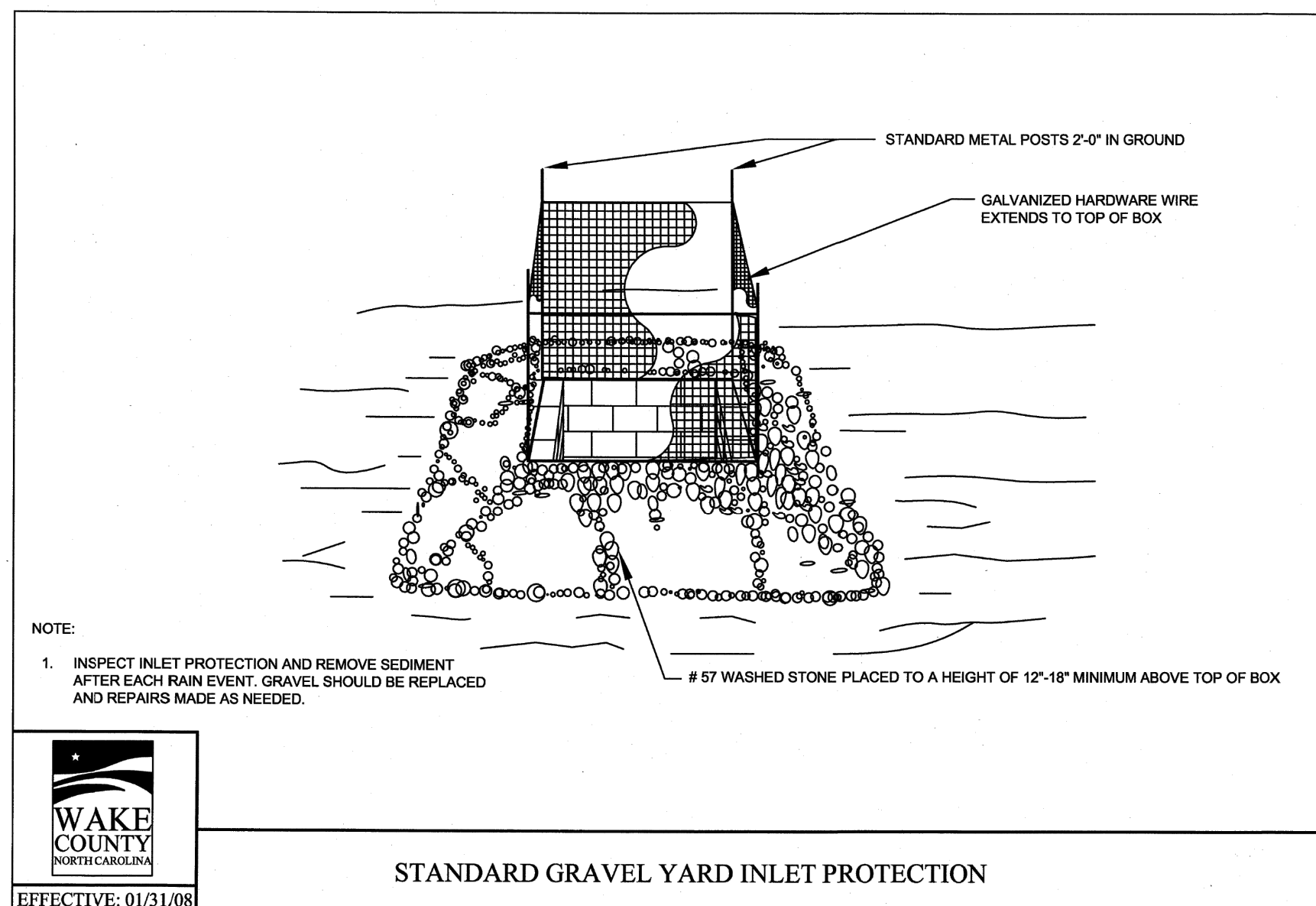
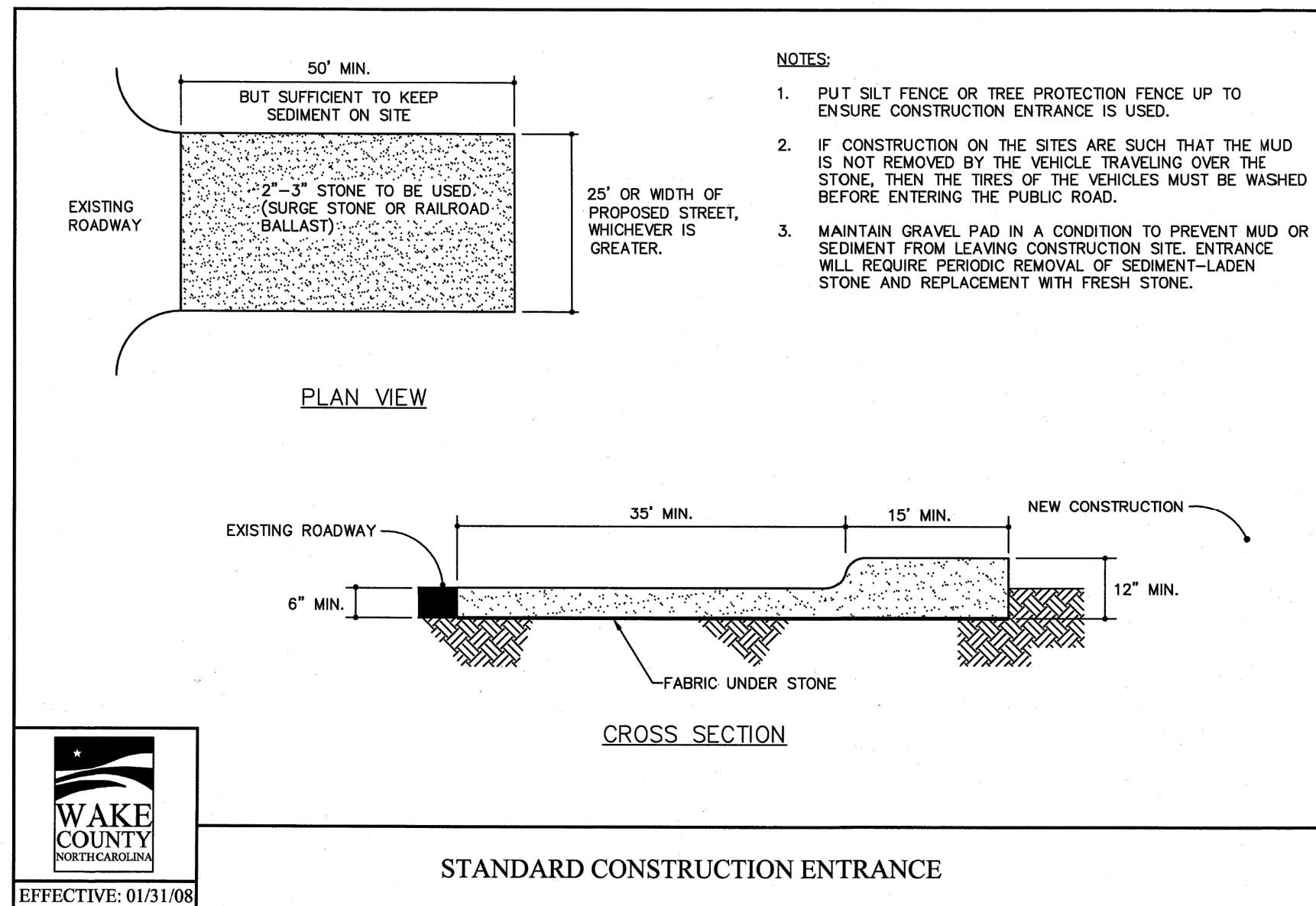
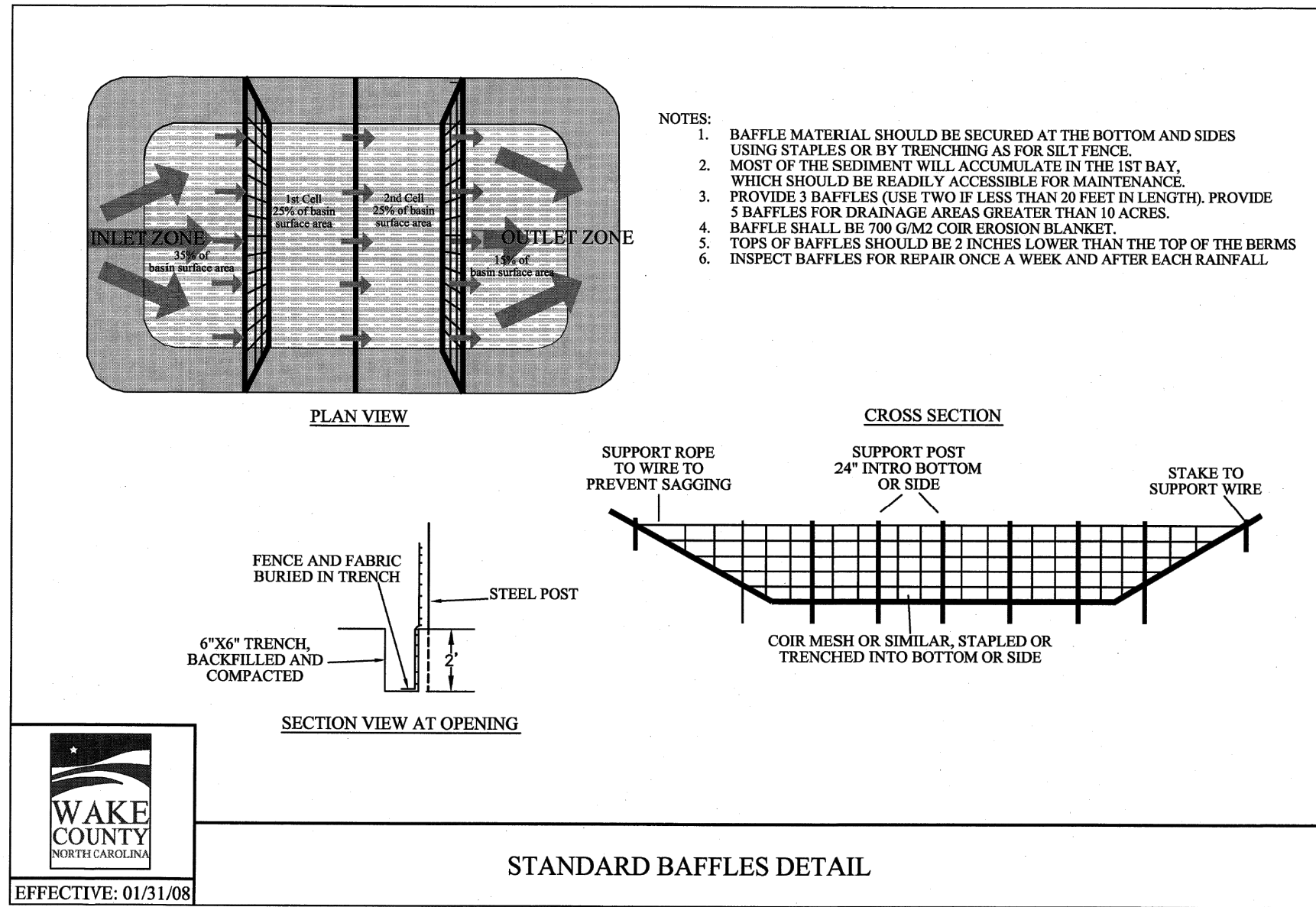
RALEIGH NC 27607

WWW.BCEINC.COM

NC LICENSE #C-4397

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REVISION	DATE	DESCRIPTION
DESIGNED BY:	DF/JWM	
DRAWN BY:	JWM	
REVIEWED BY:	DF	

BCE
5440 WADE PARK BLVD., SUITE 102
RALEIGH, NC 27607
WWW.BCEINC.COM
NC LICENSE #C-4397

LENNAR CORPORATION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

YOUNG STREET CONNECTION
408 E YOUNG STREET
ROLESVILLE / NORTH CAROLINA / 27571

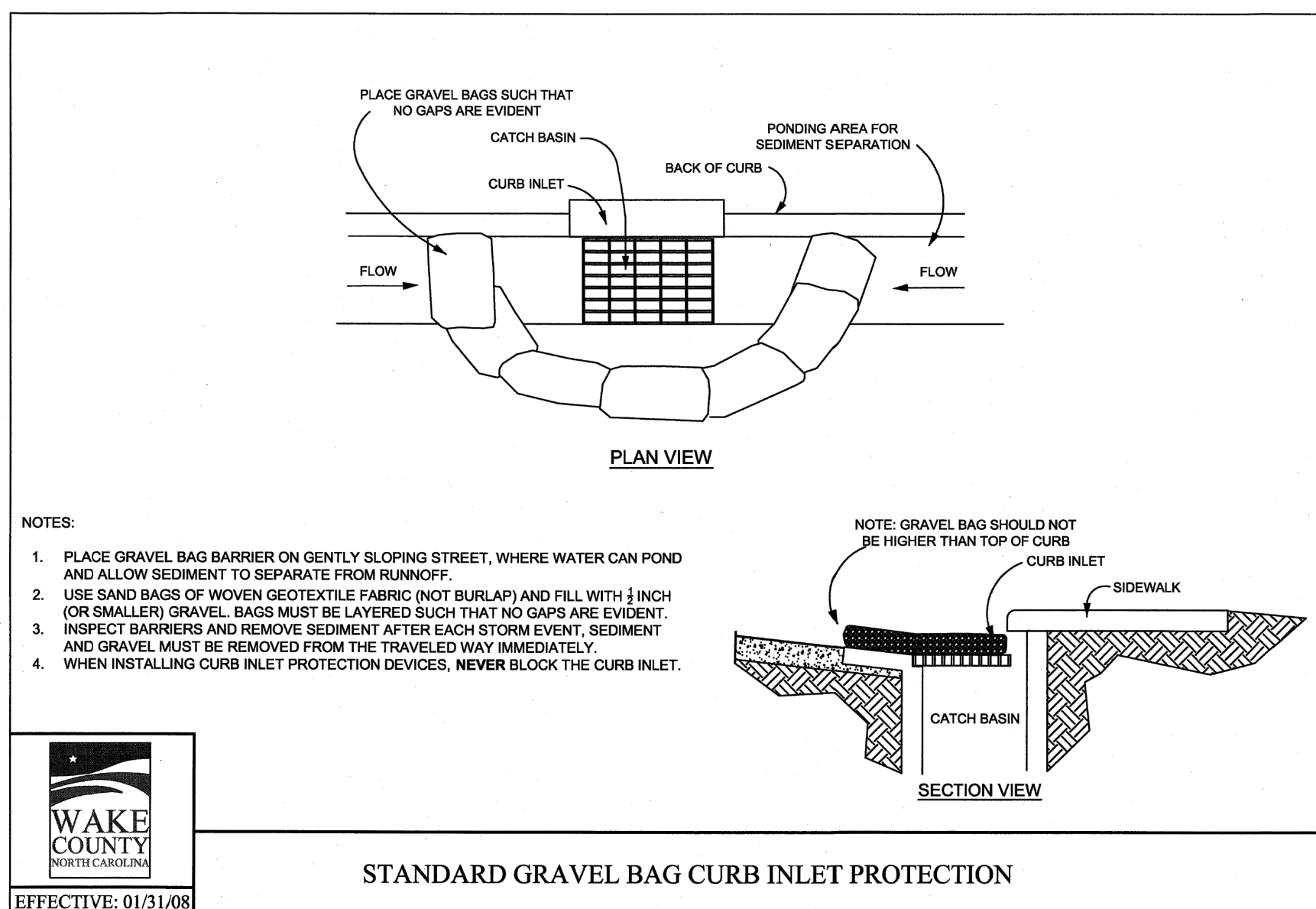
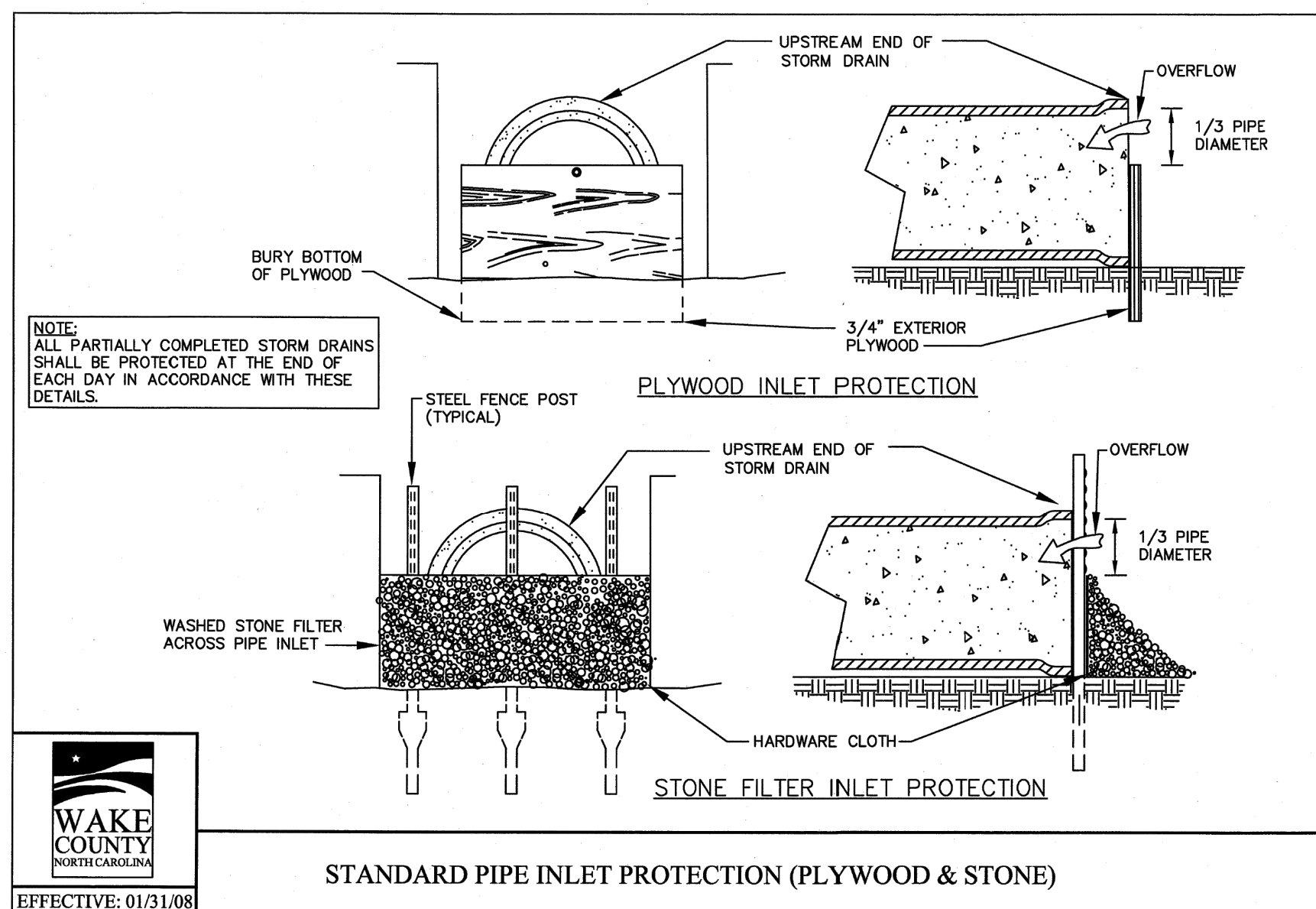
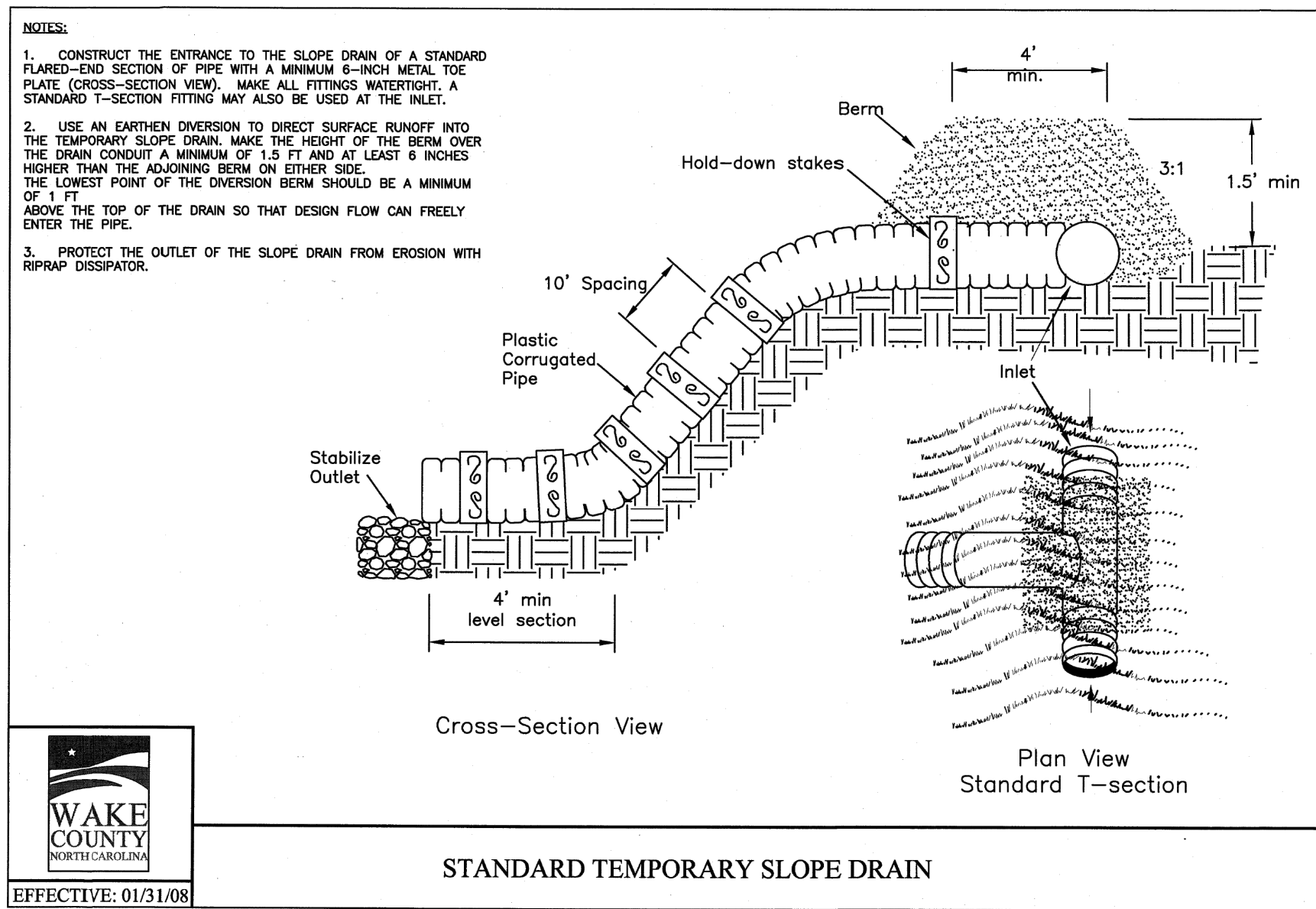
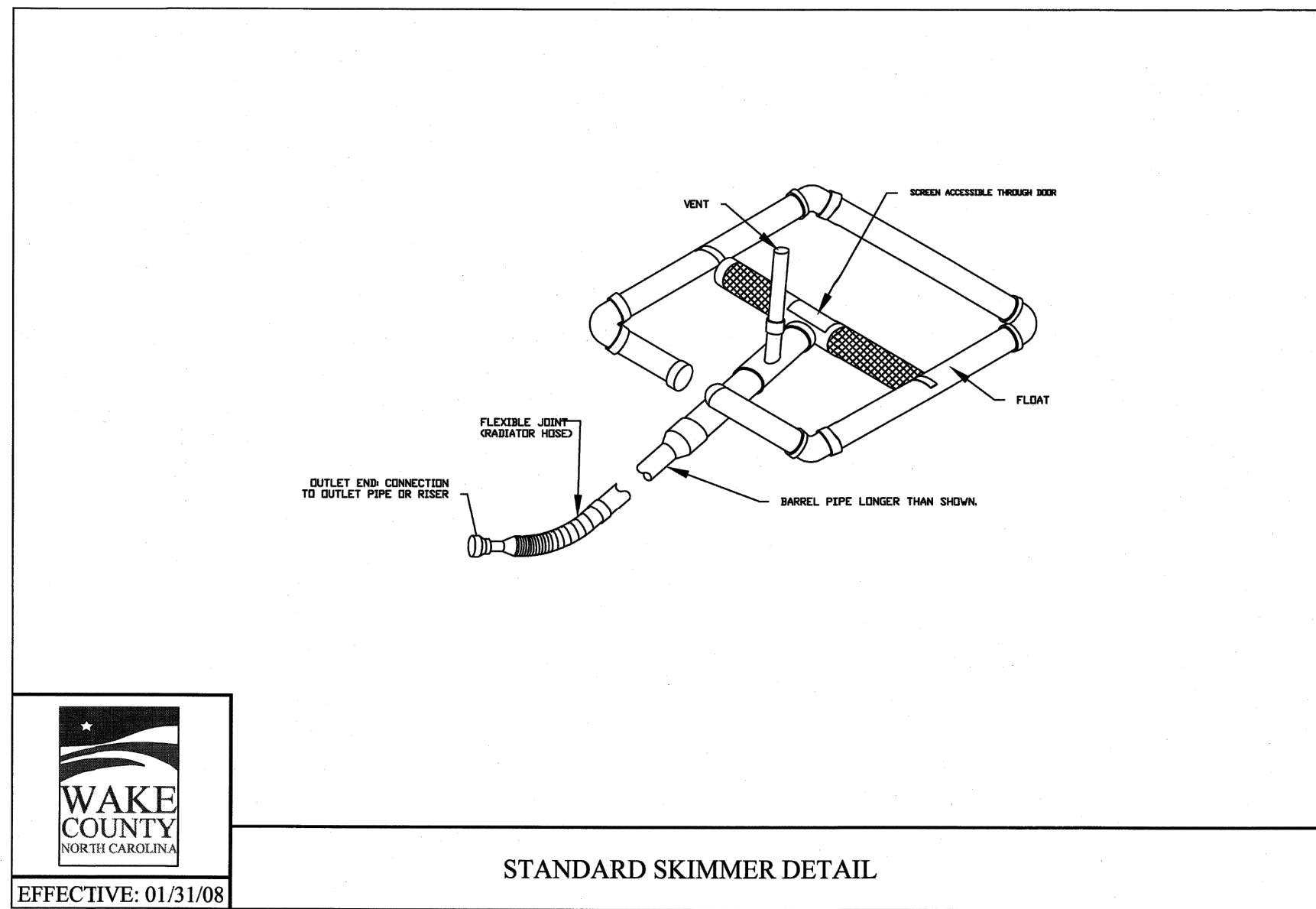
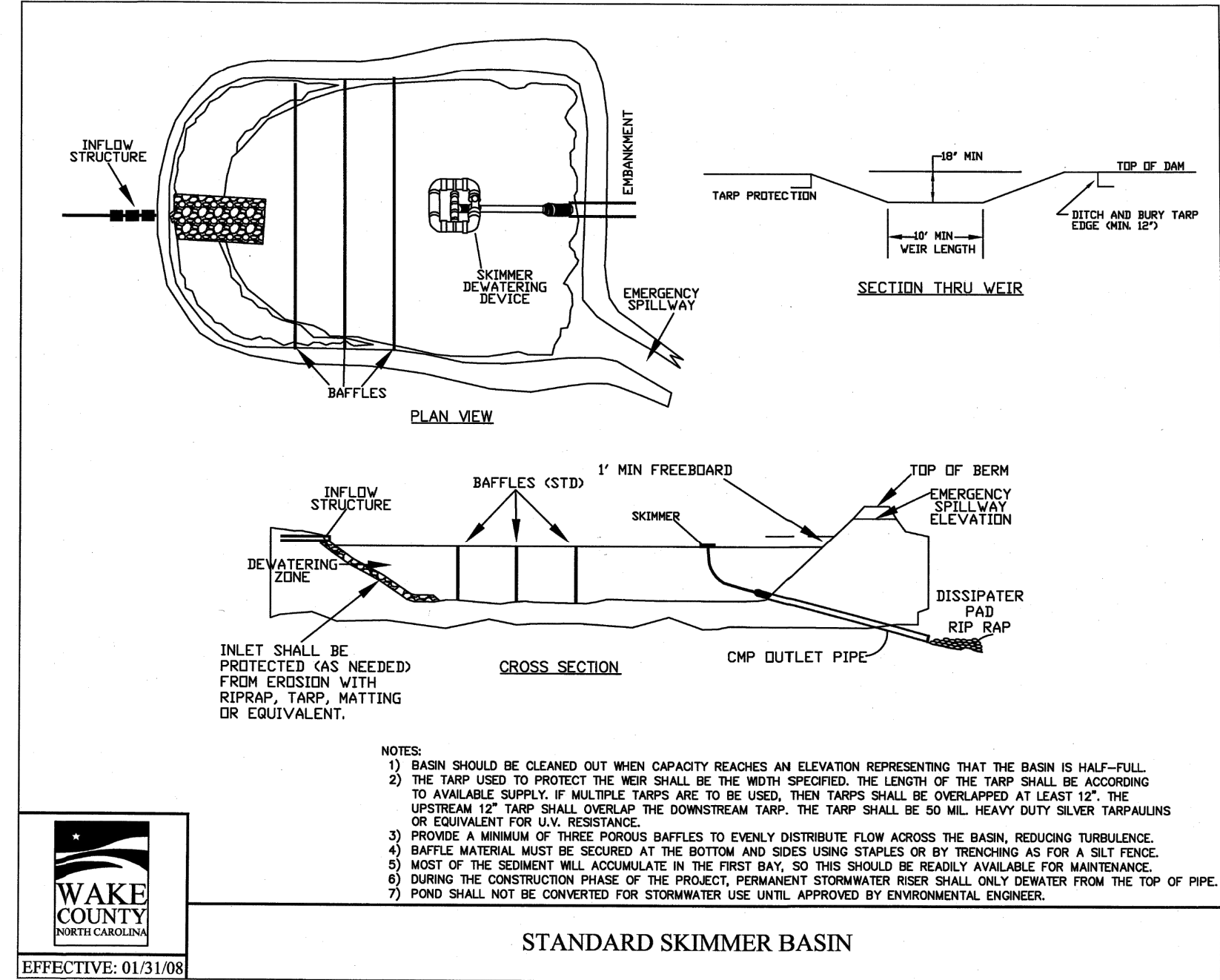
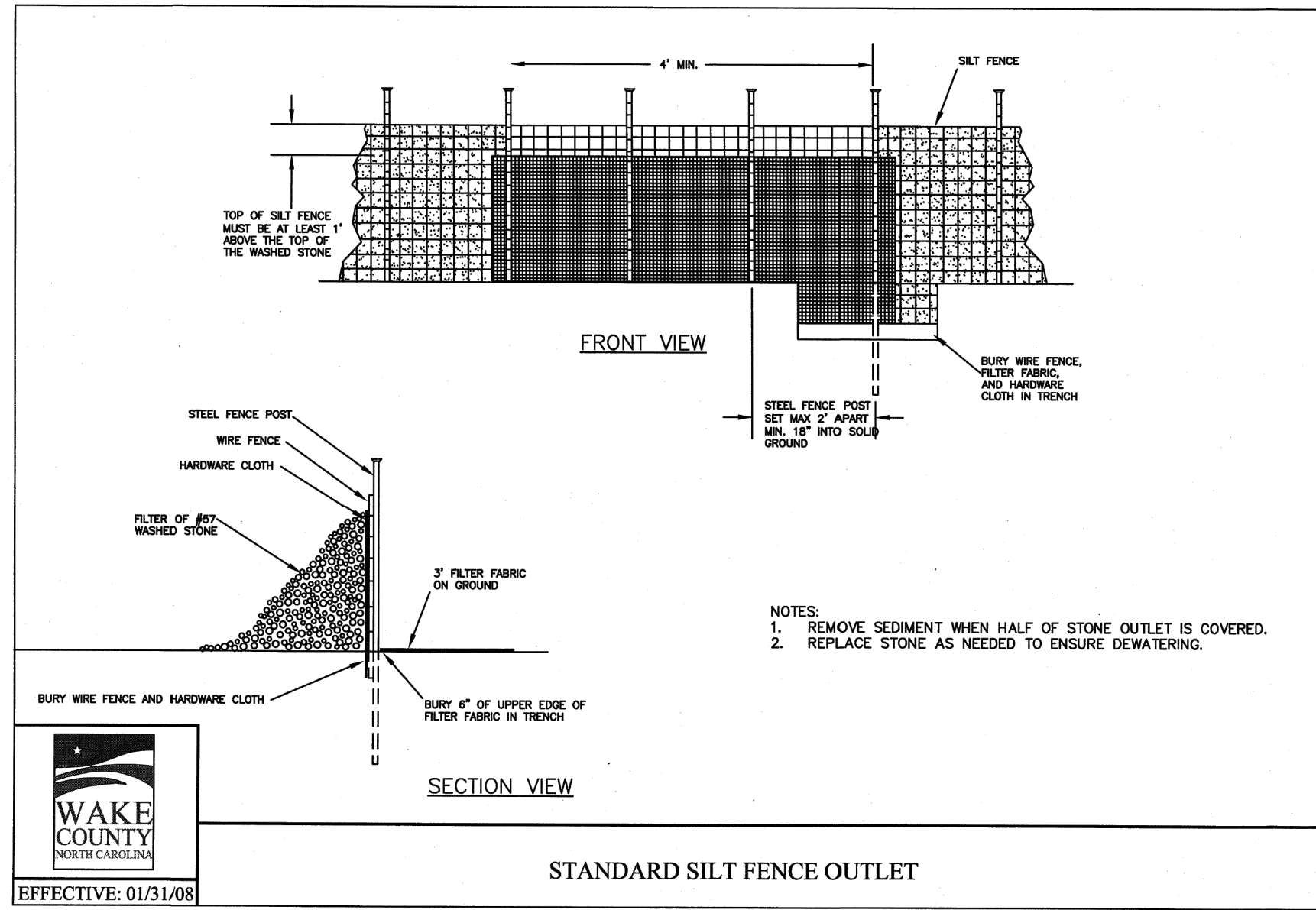
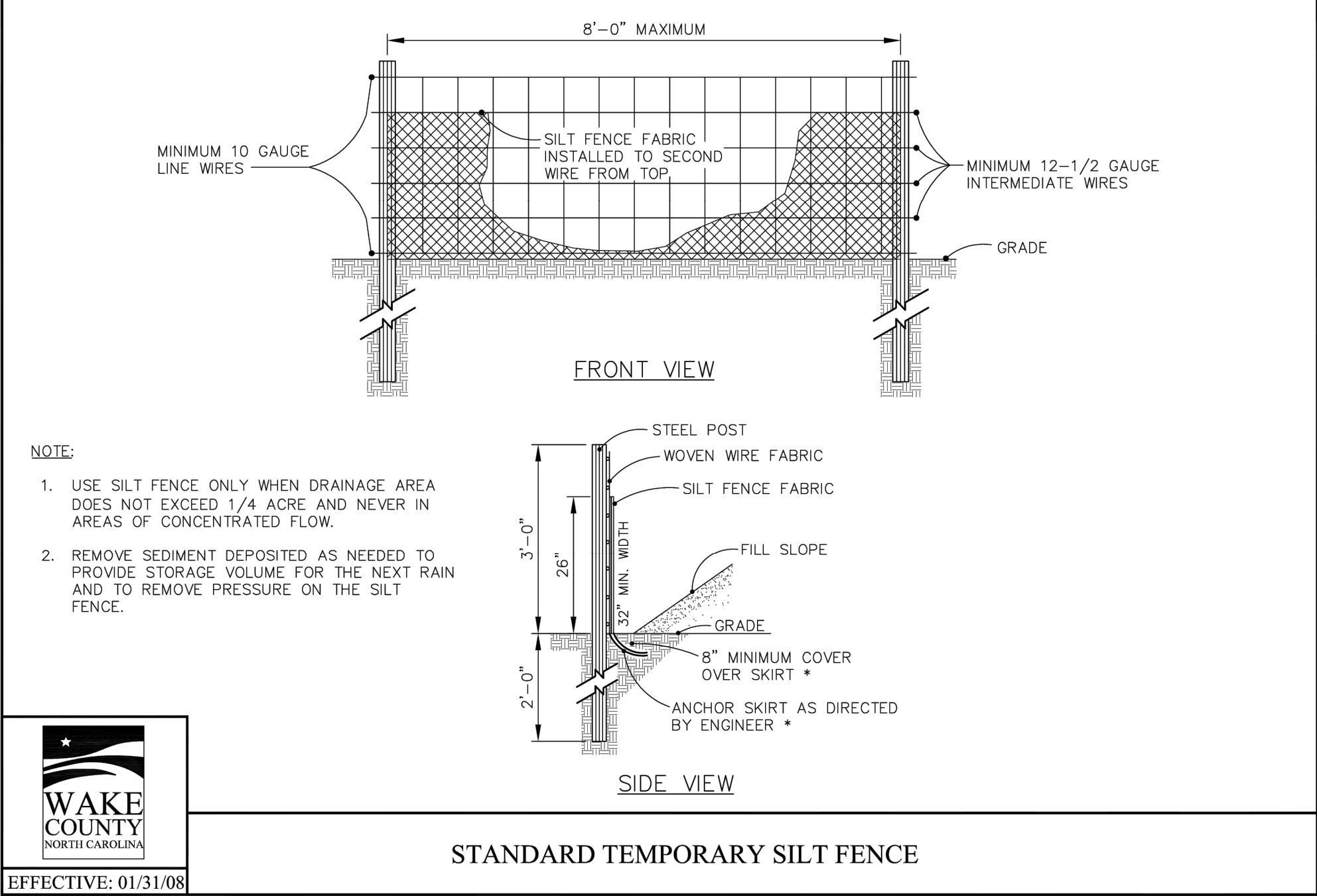
EROSION CONTROL DETAILS (1 OF 2)

NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03

DATE: 07/03/2023

C6-2



EROSION CONTROL DETAILS (2 OF 2)	
DESIGNED BY:	DATE
DRAWN BY:	REV
REVIEWED BY:	DESCRIPTION
DF/JWM	
JWM	
DF	
BCE 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM NC LICENSE #C-4397	
LENNAR CORPORATION 1100 PERIMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560	
YOUNG STREET CONNECTION 408 E YOUNG STREET ROLESVILLE / NORTH CAROLINA / 27571	
NOT FOR CONSTRUCTION FILE NUMBER: 8430-03 DATE: 07/03/2023 C6-3	