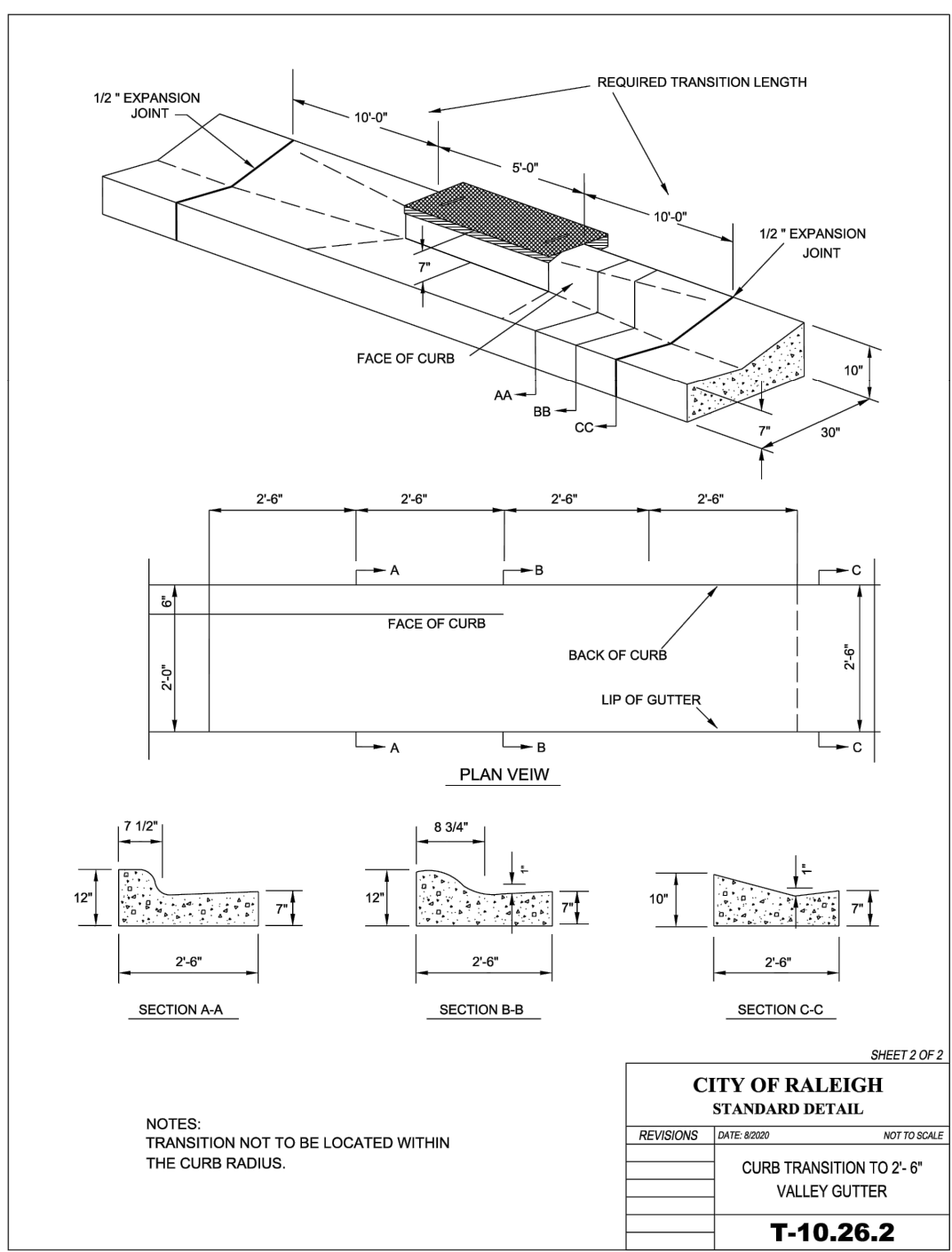
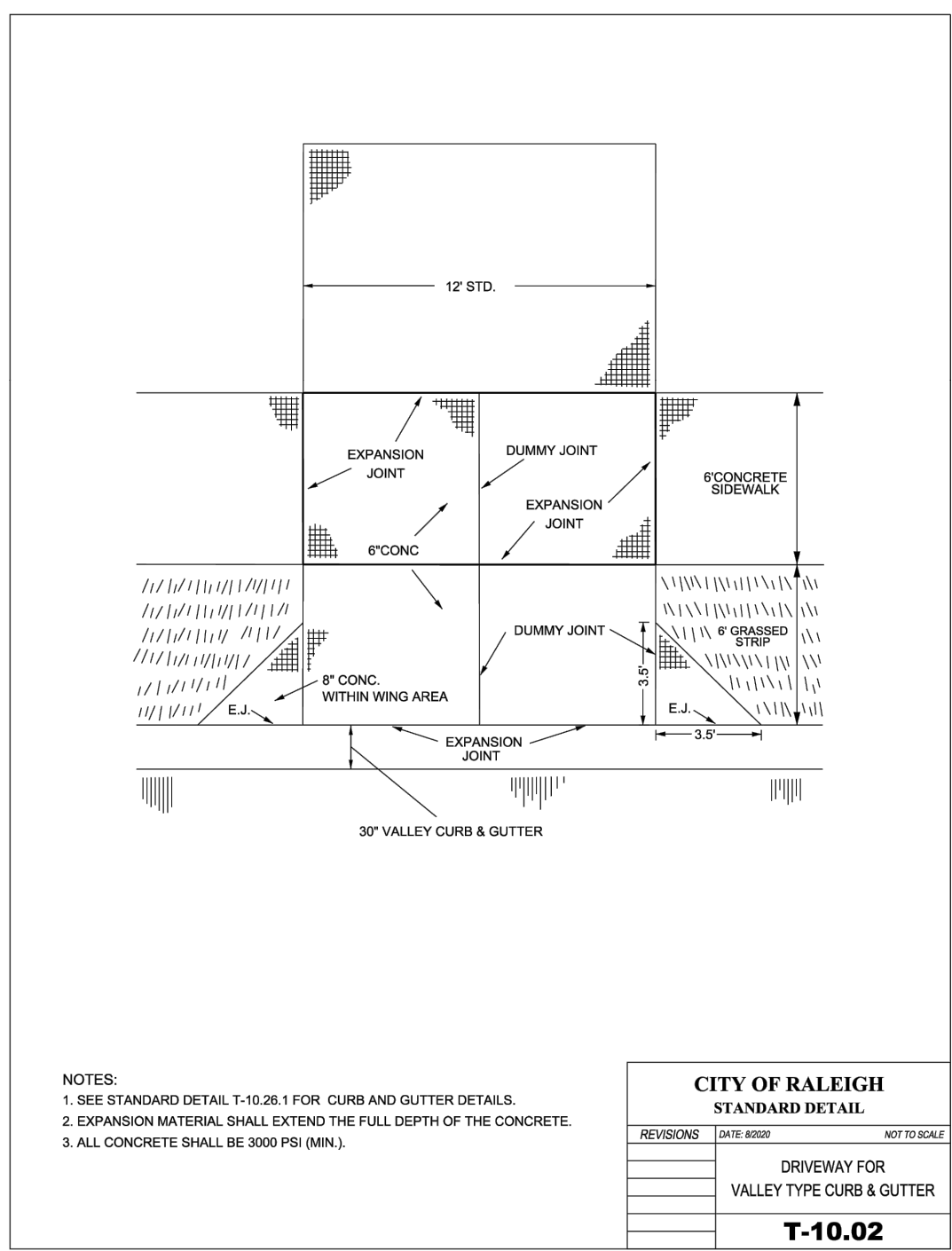
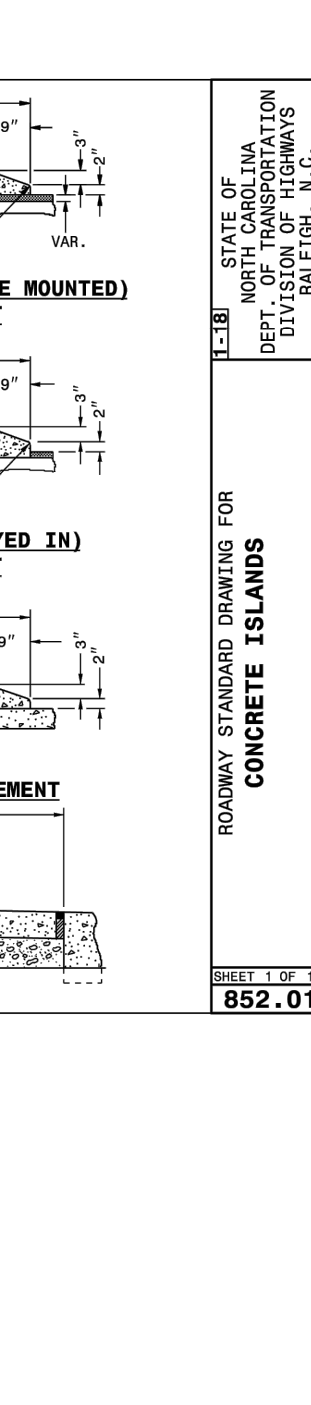
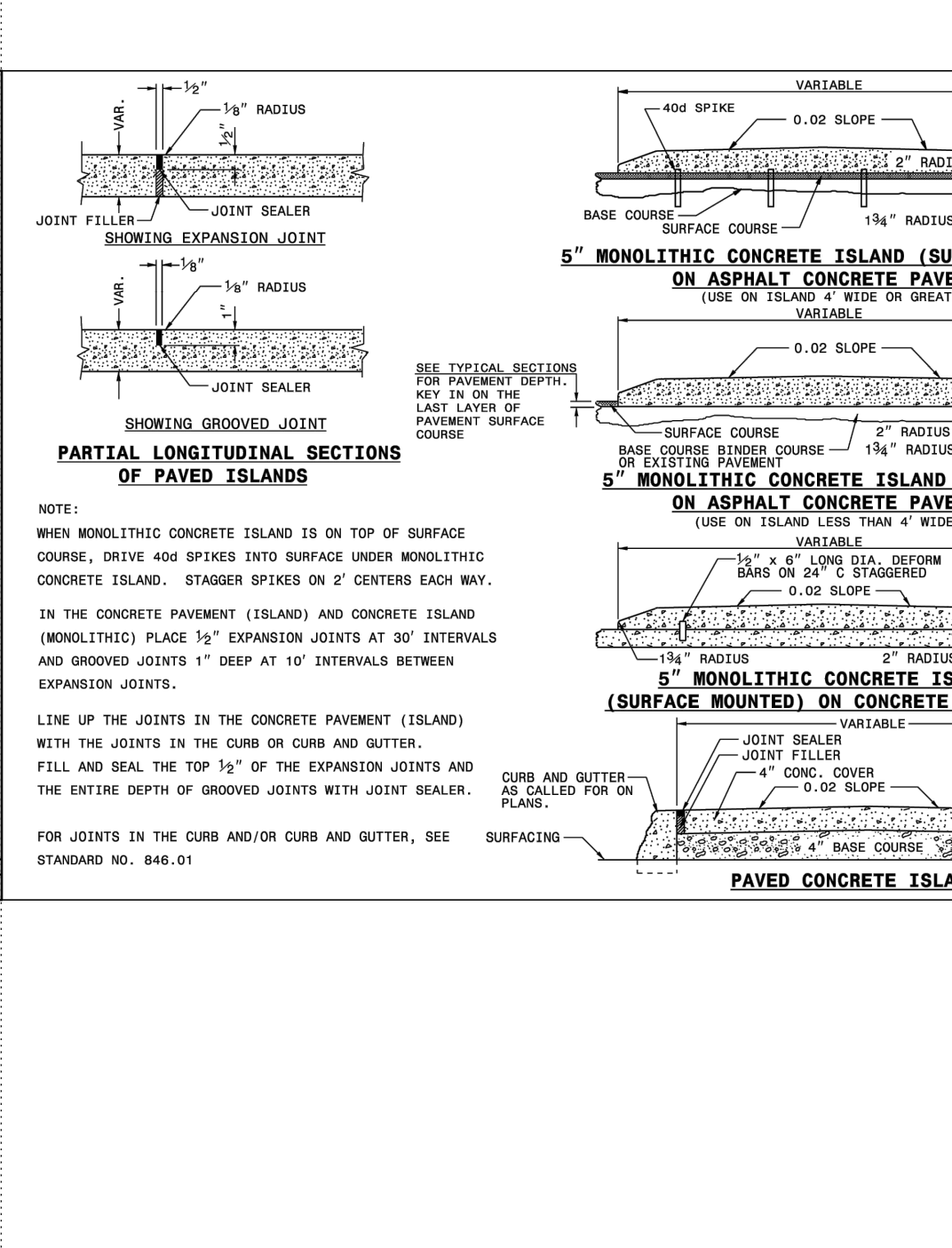
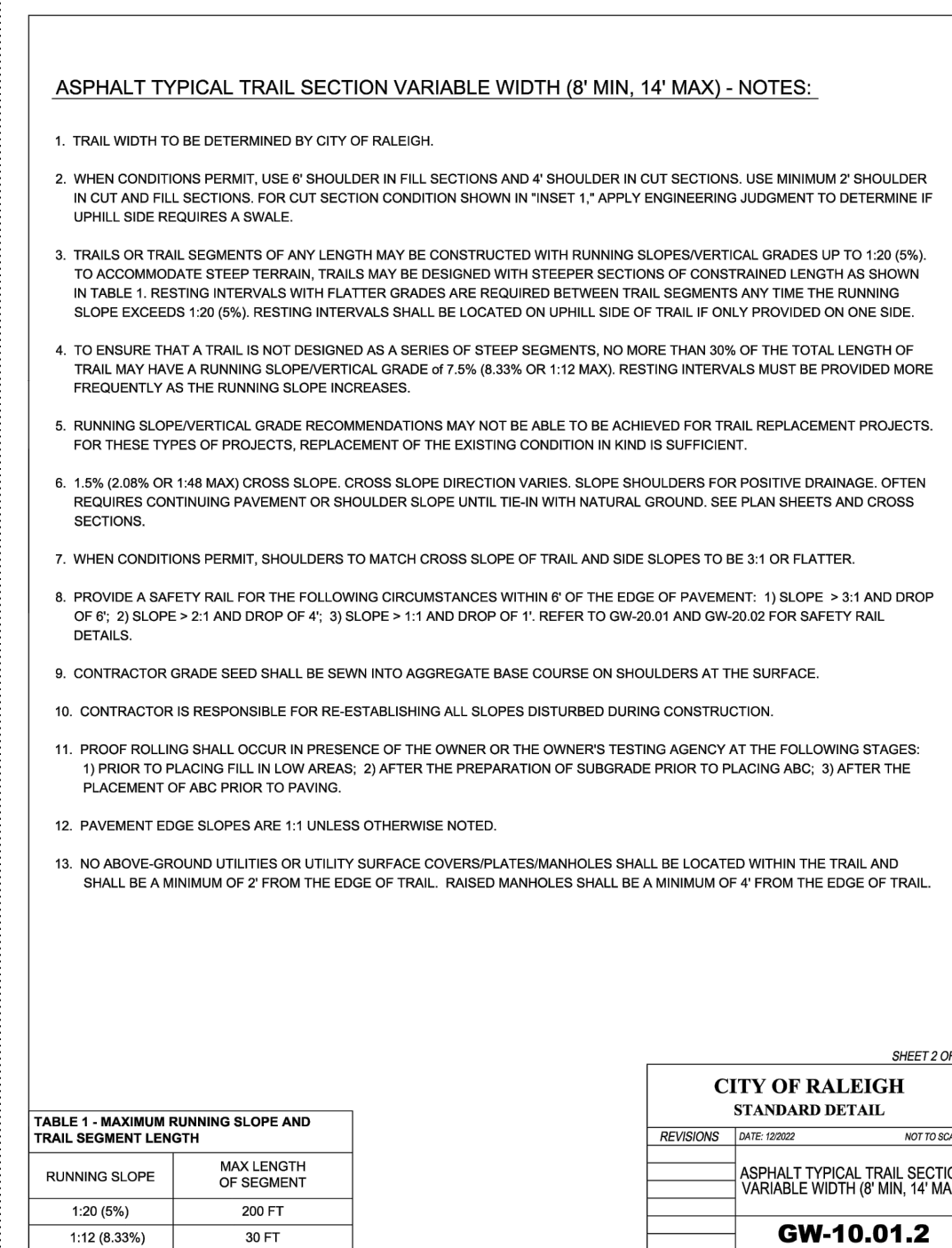
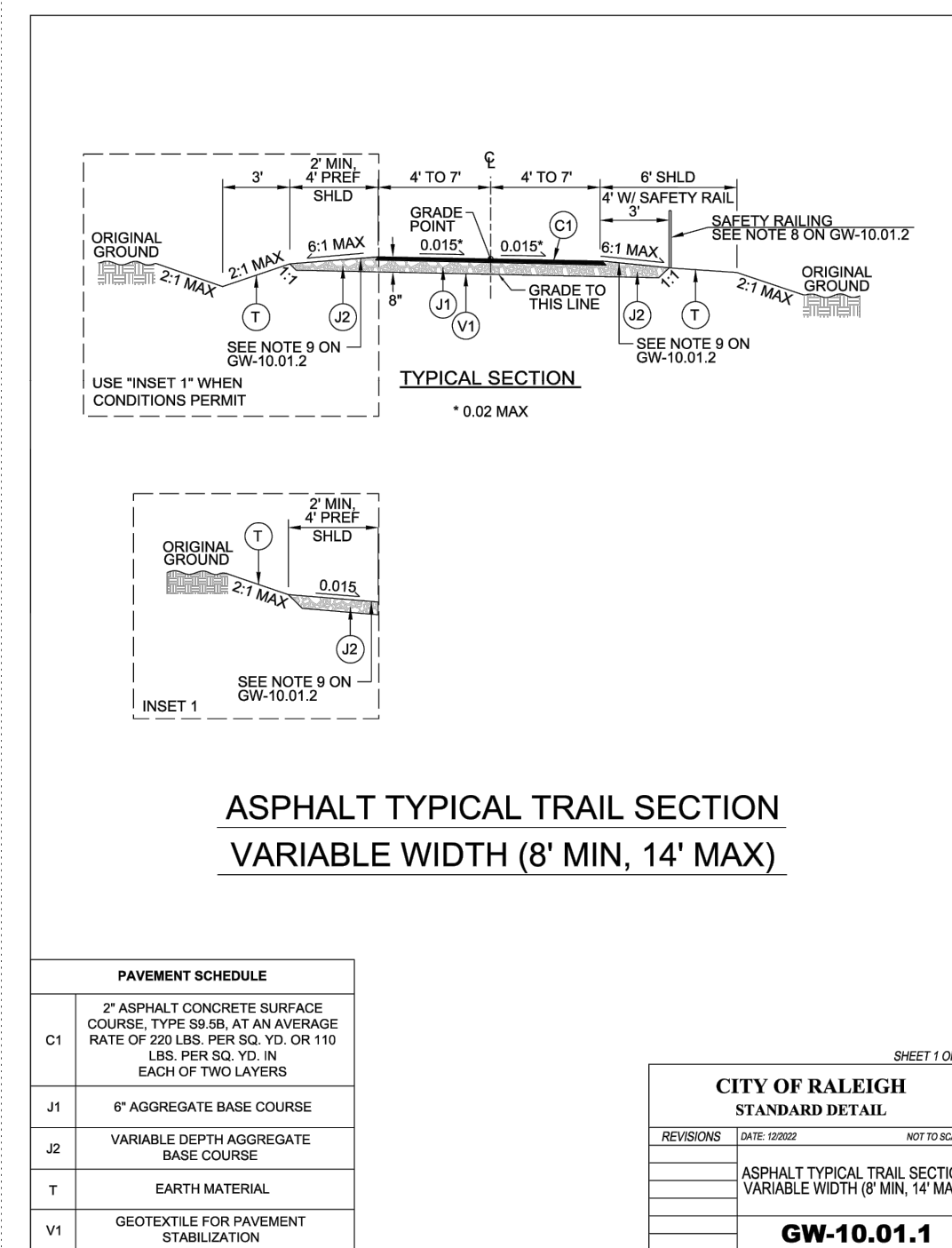
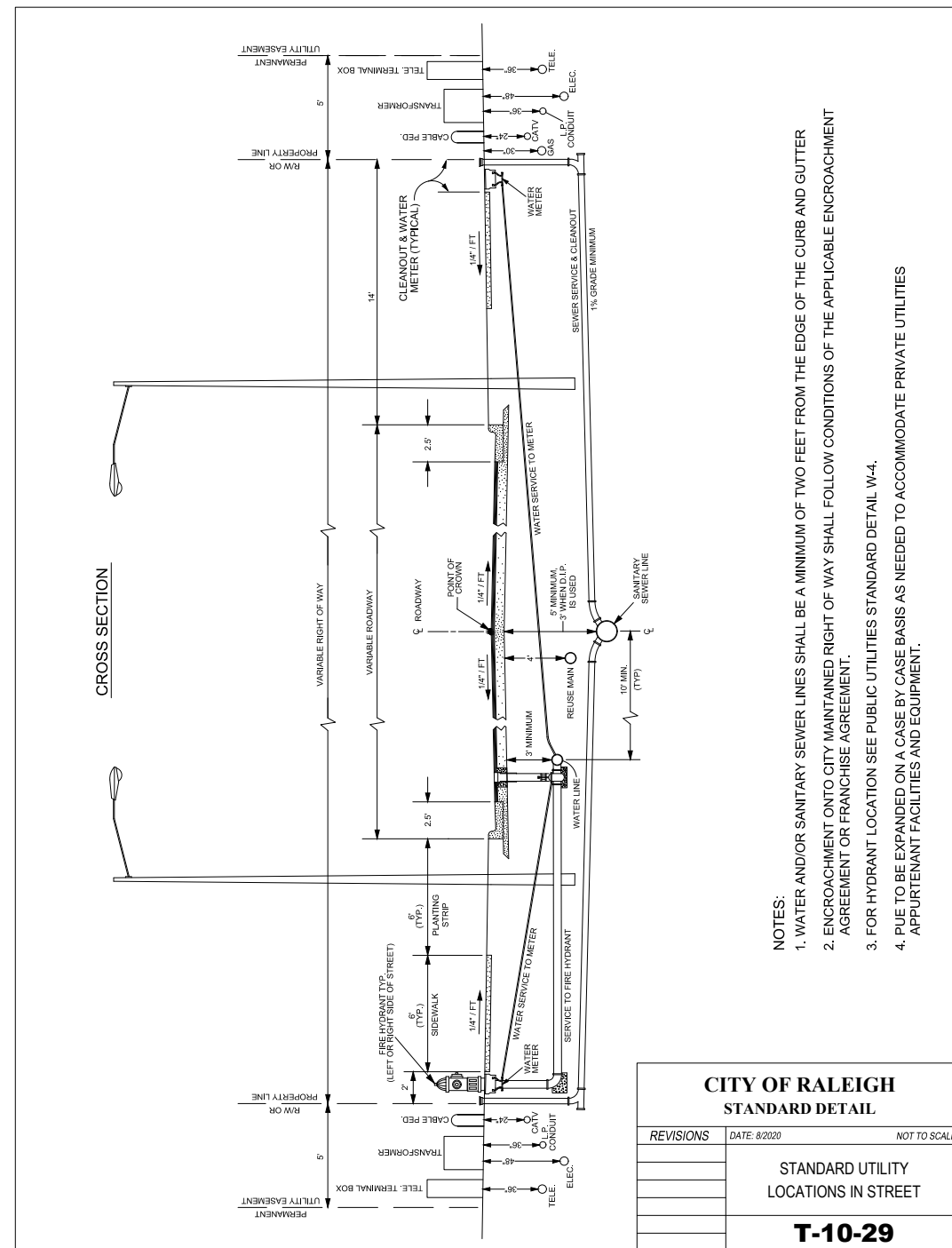
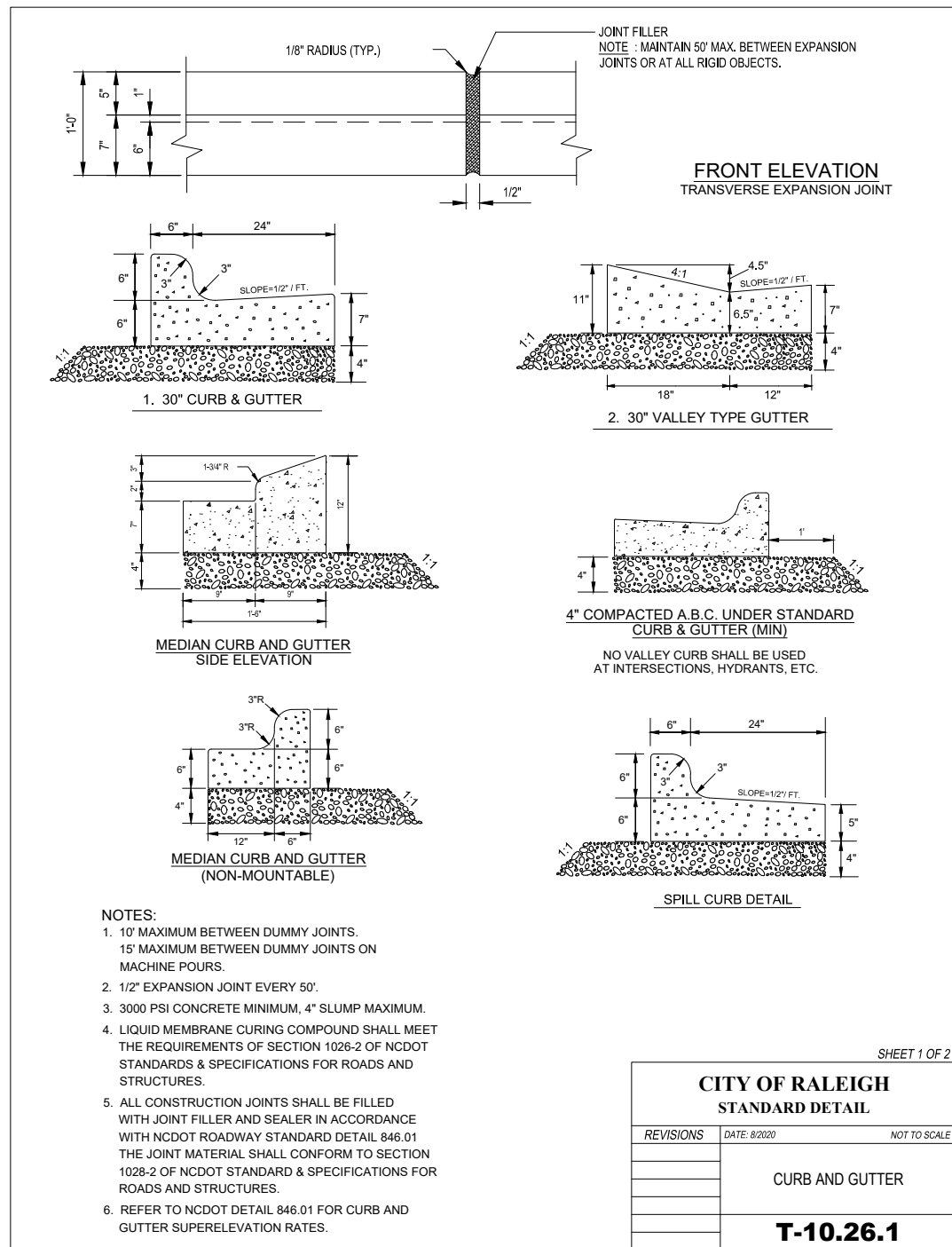
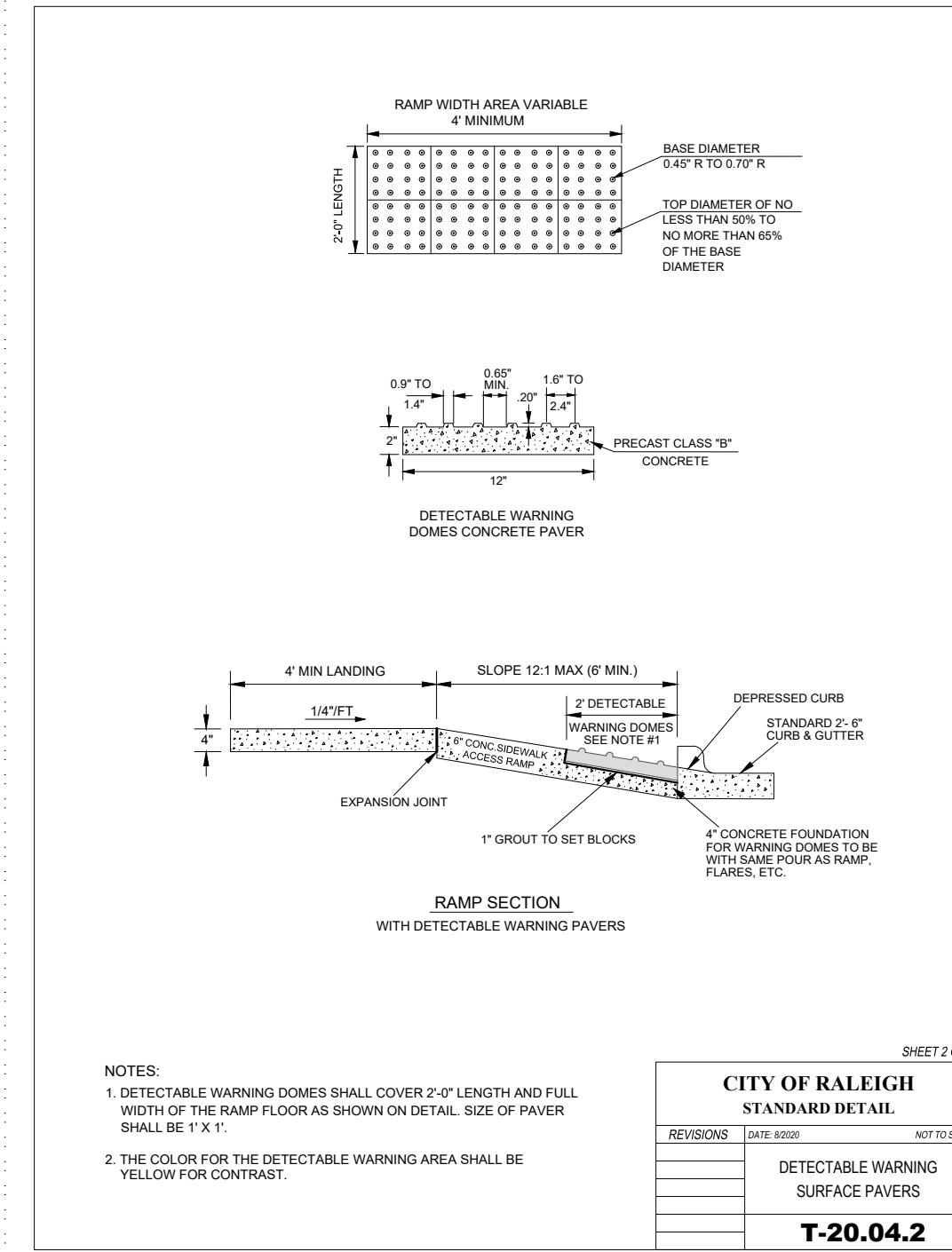
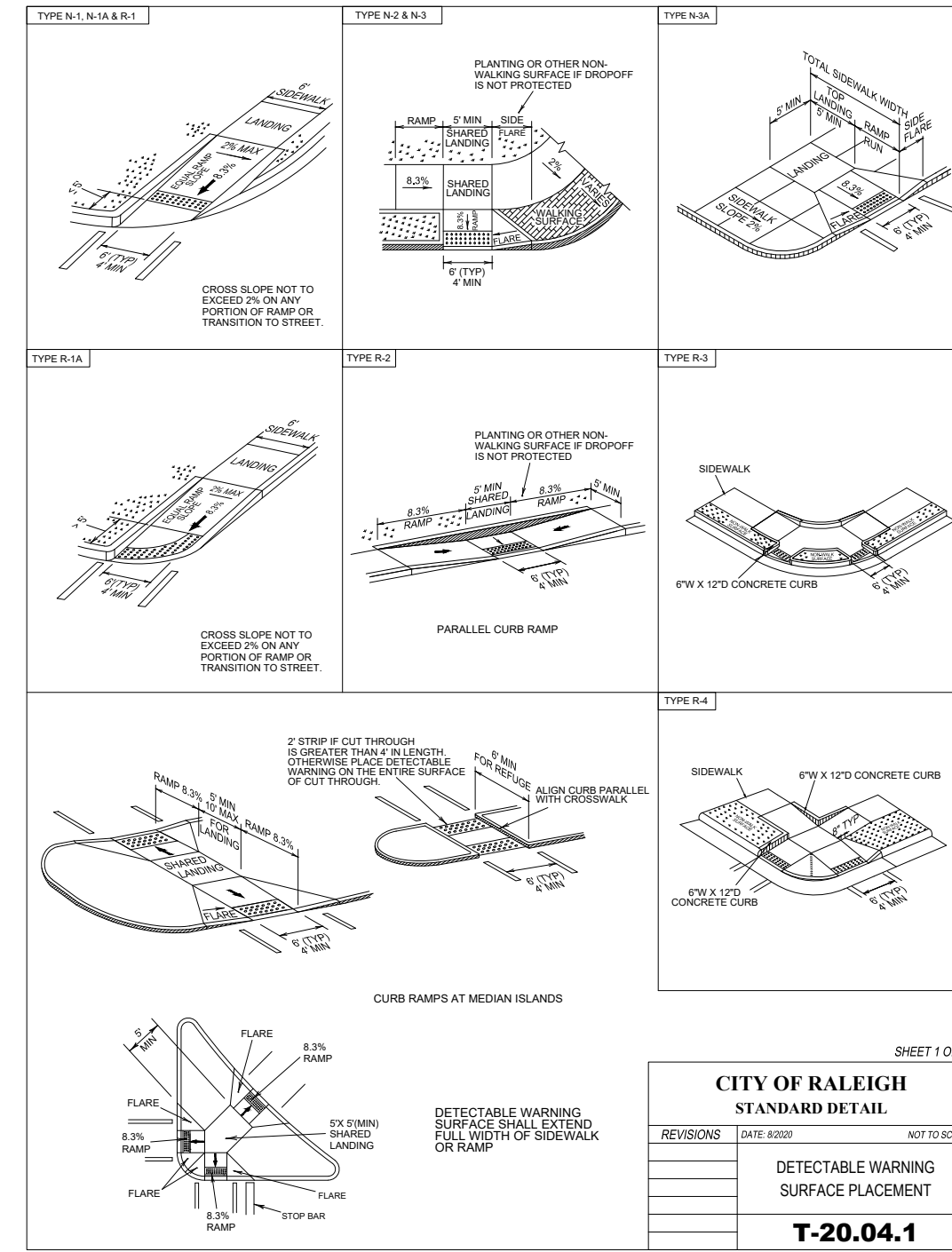
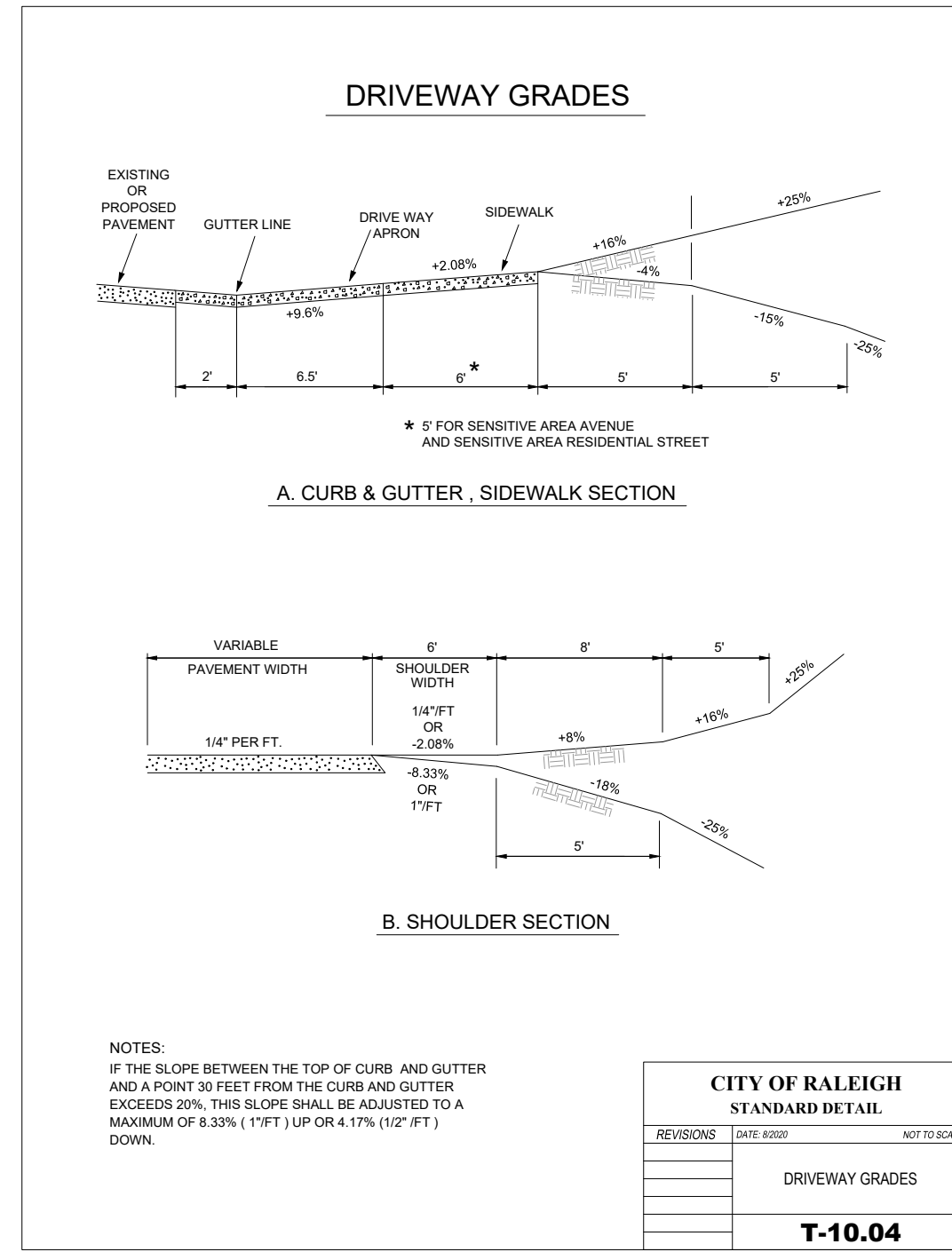
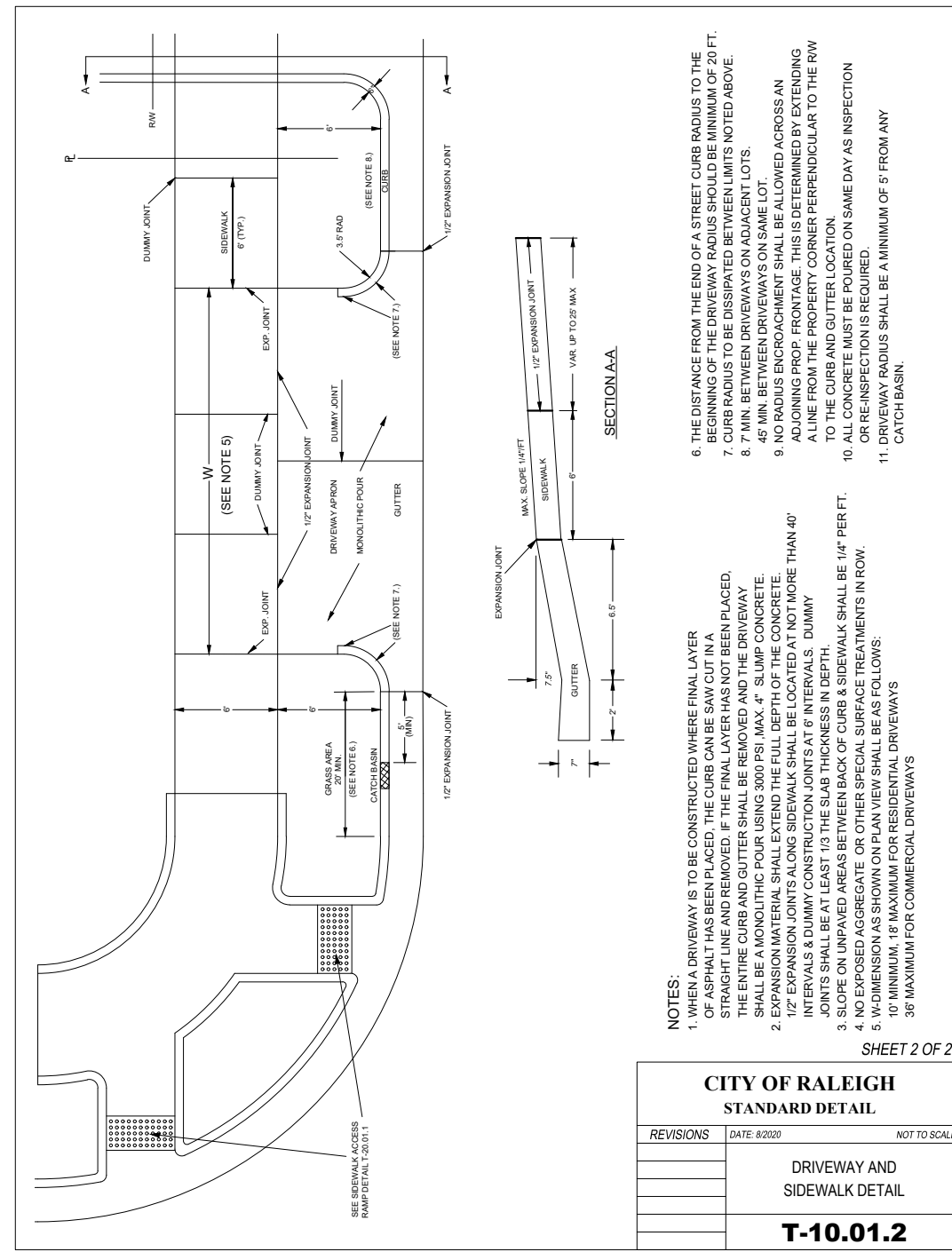
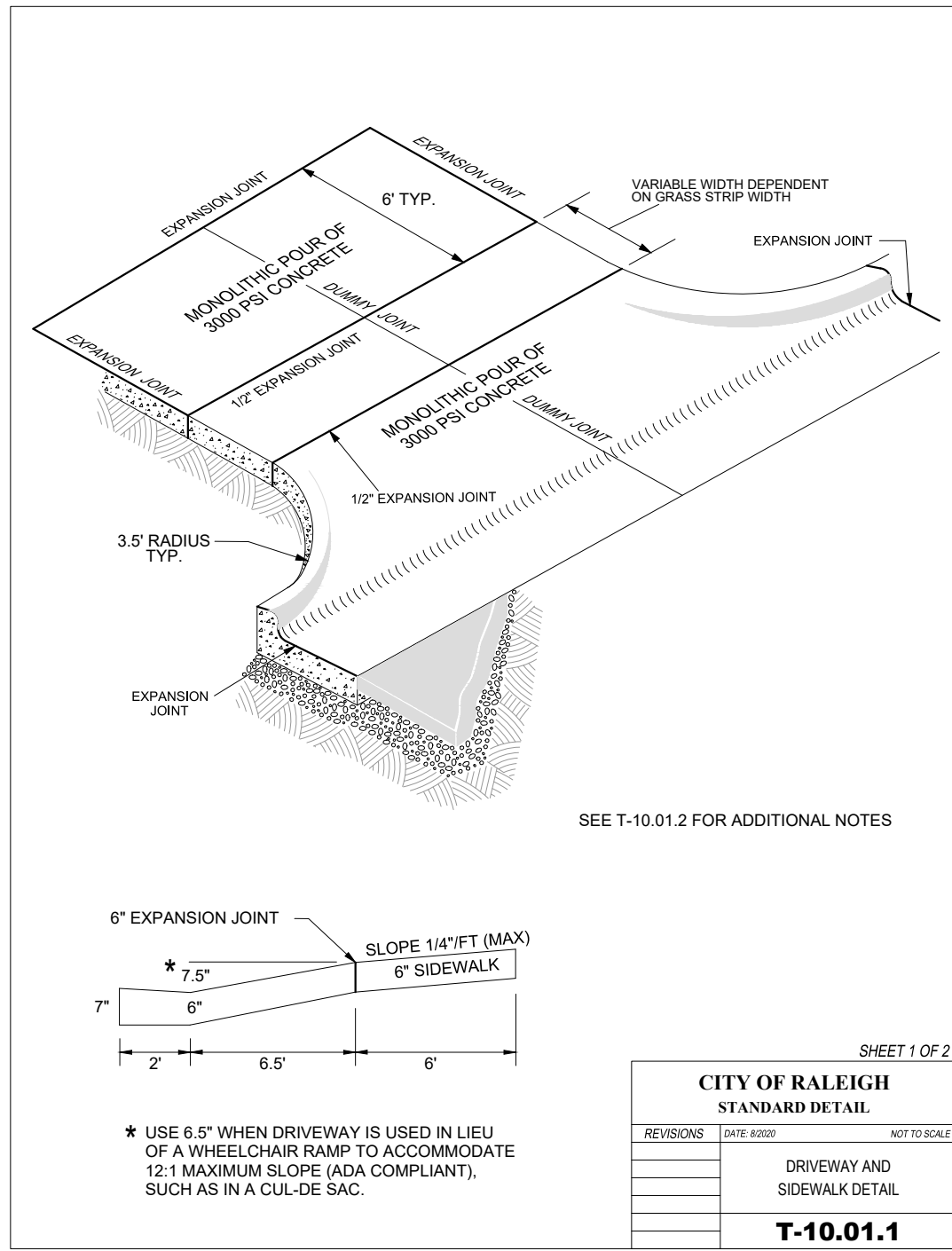




PER TOWN OF ROLESVILLE COMMENT

10/02/2023

DESIGNED BY: DF/CD

DRAWN BY: DF/JWM

REVIEWED BY: DF

PER TOWN OF ROLESVILLE COMMENT

08/01/2023

REV

INITIAL SUBMITTAL

06/01/2023

811

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5440 WADE PARK BLVD, SUITE 102

RALEIGH NC 27607

WWW.BGCINC.COM

NC LICENSE #C-4397

PARKER RIDGE

82 SCHOOL STREET

ROLESVILLE / NORTH CAROLINA / 27571

SITE DETAILS (1 OF 3)

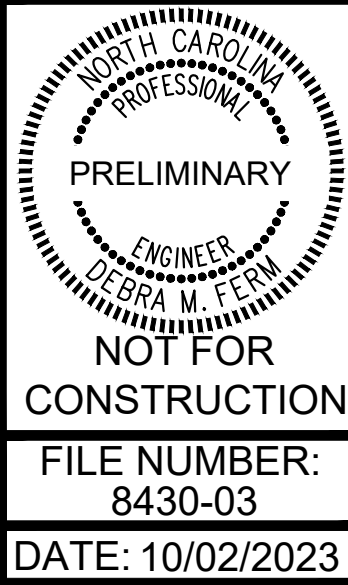
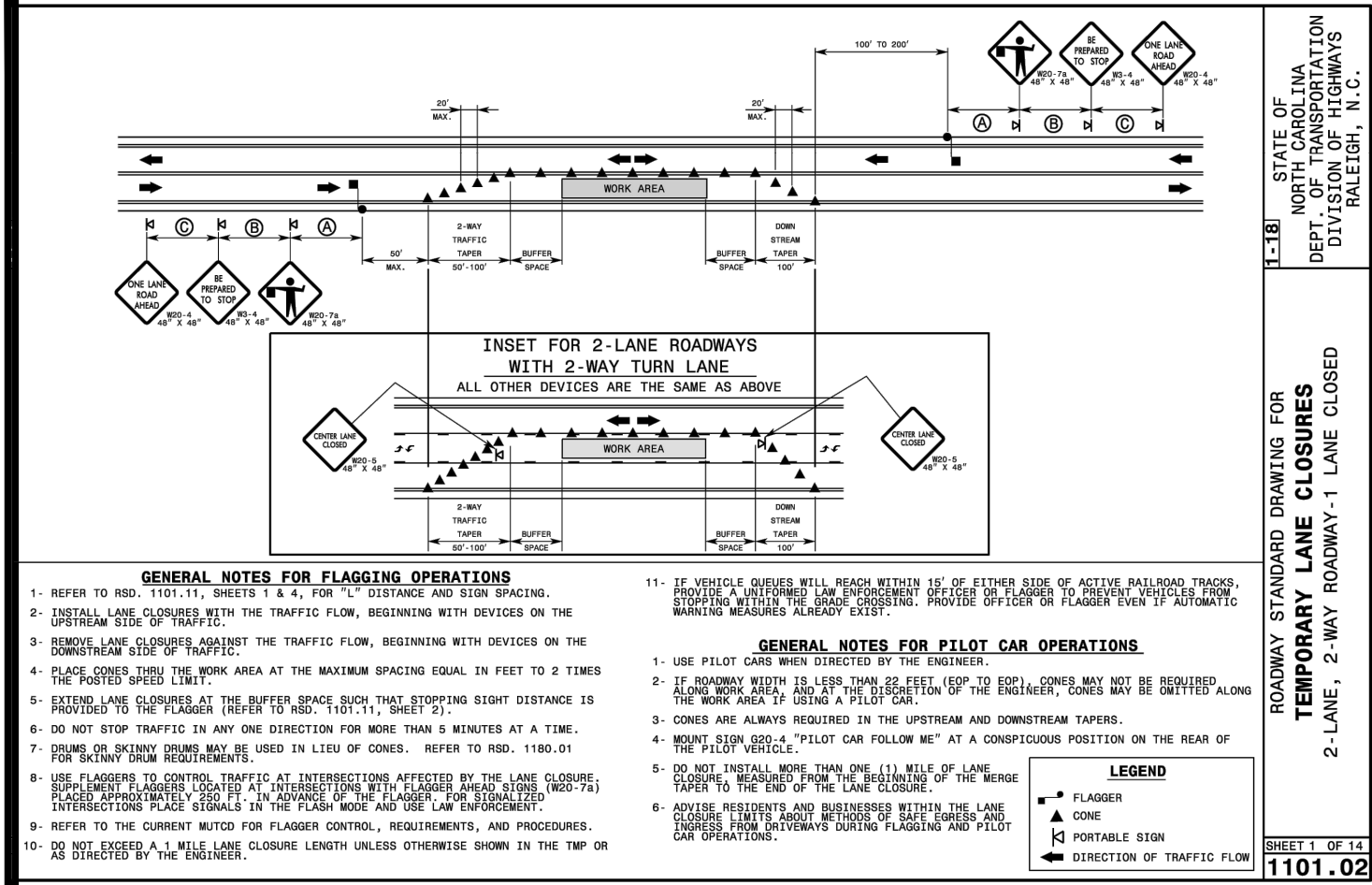
PRELIMINARY

NOT FOR CONSTRUCTION

FILE NUMBER: 8430-03

DATE: 10/02/2023

C8-0



SITE DETAILS (3 OF 3)

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

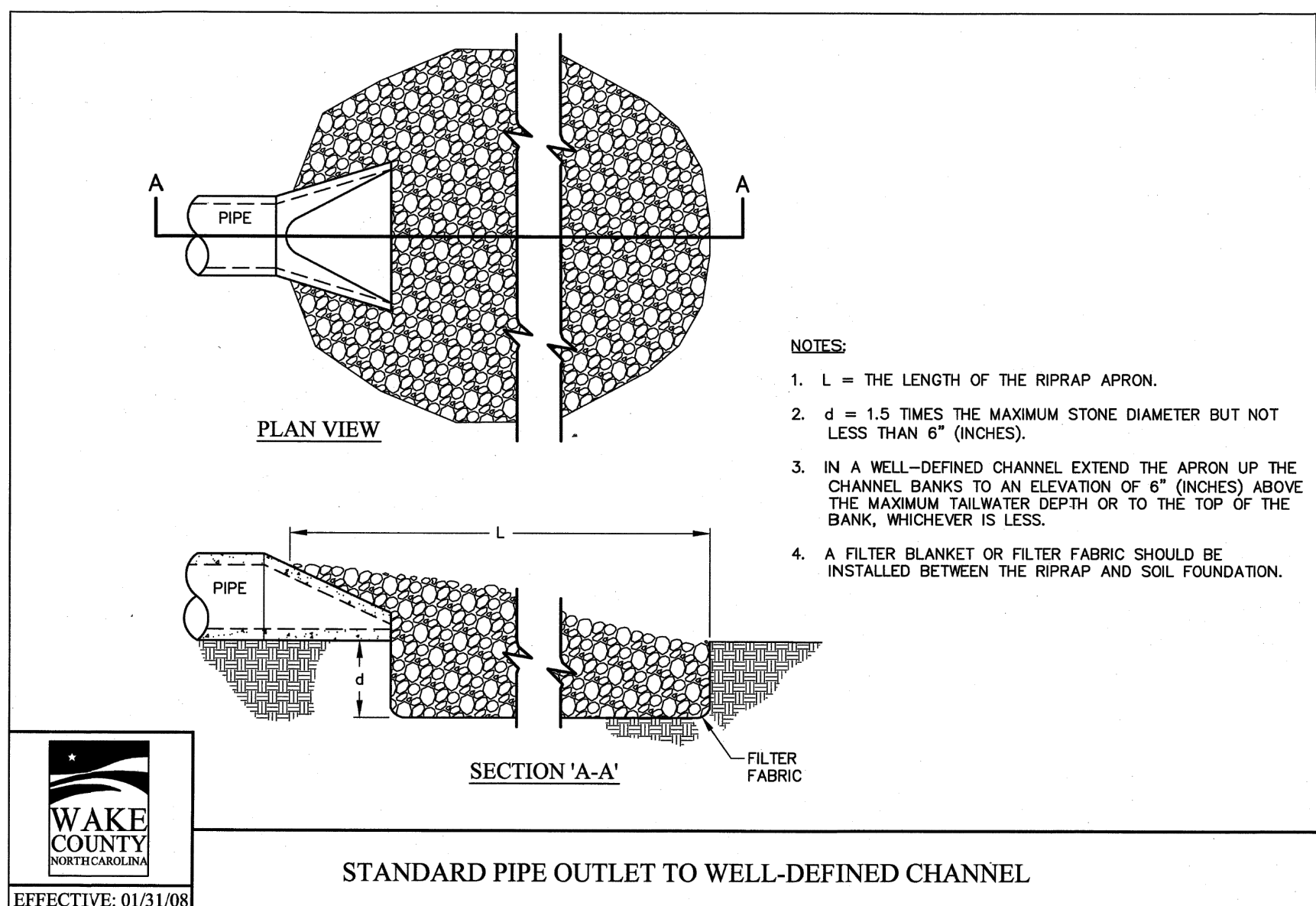
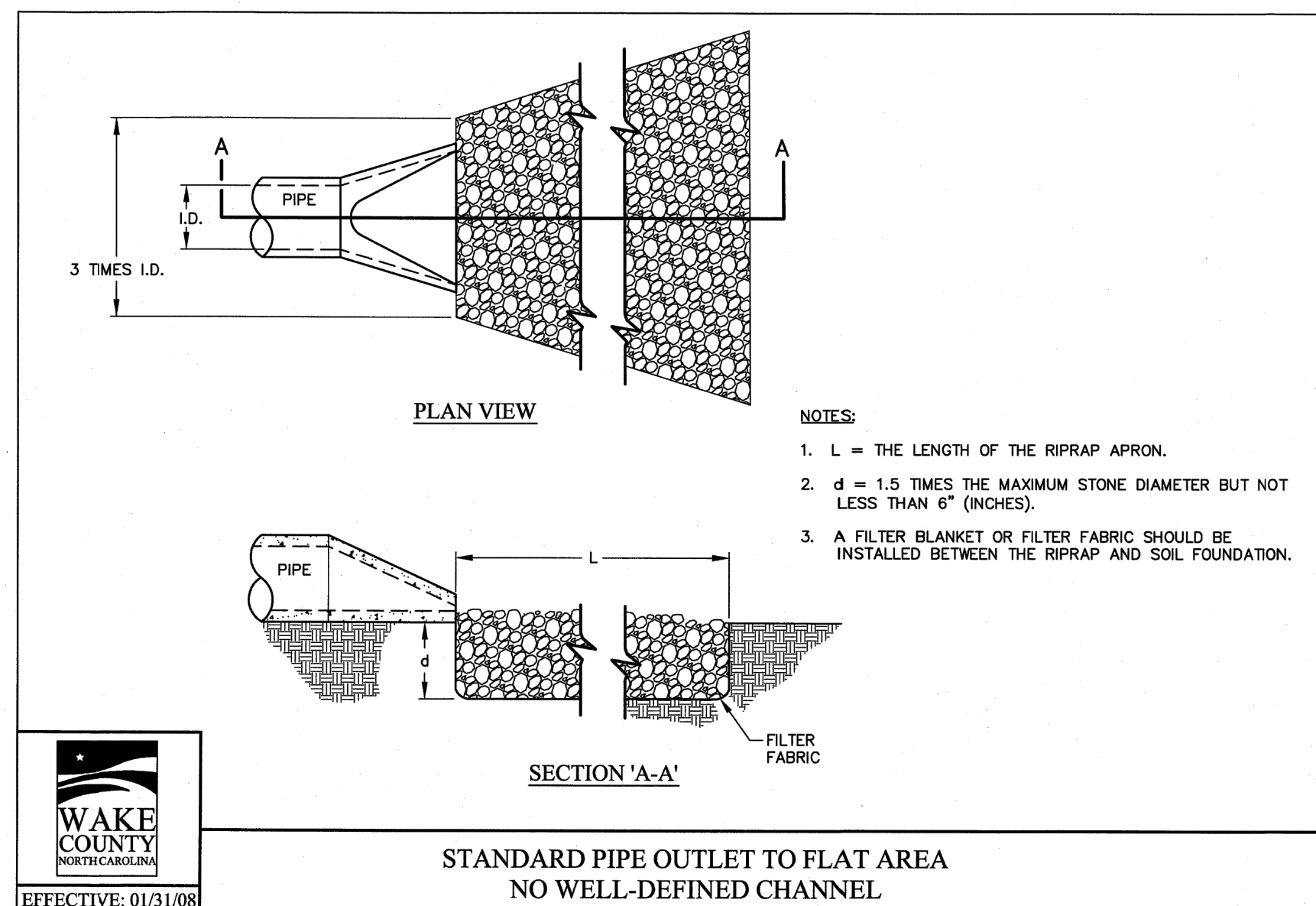
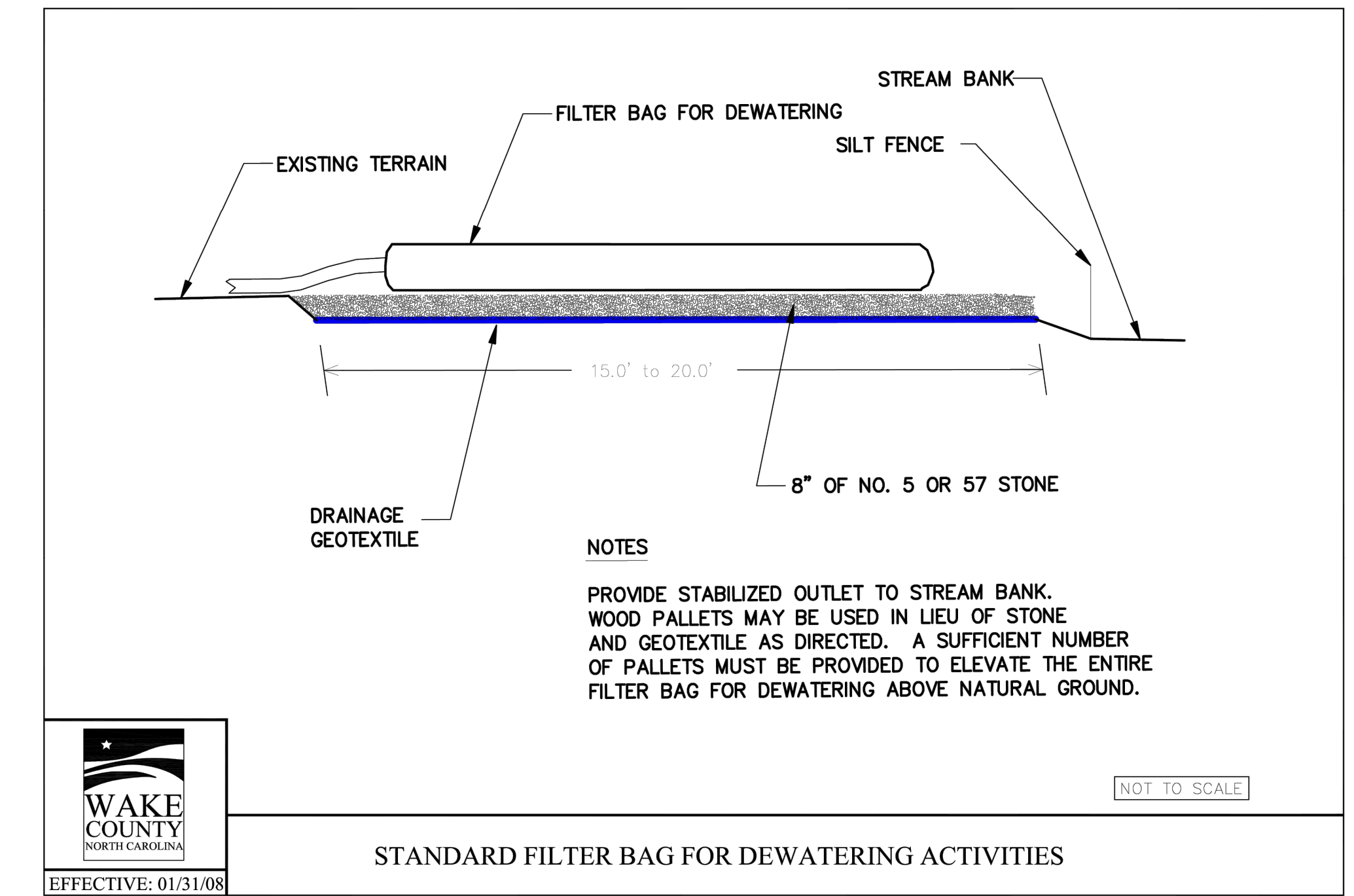
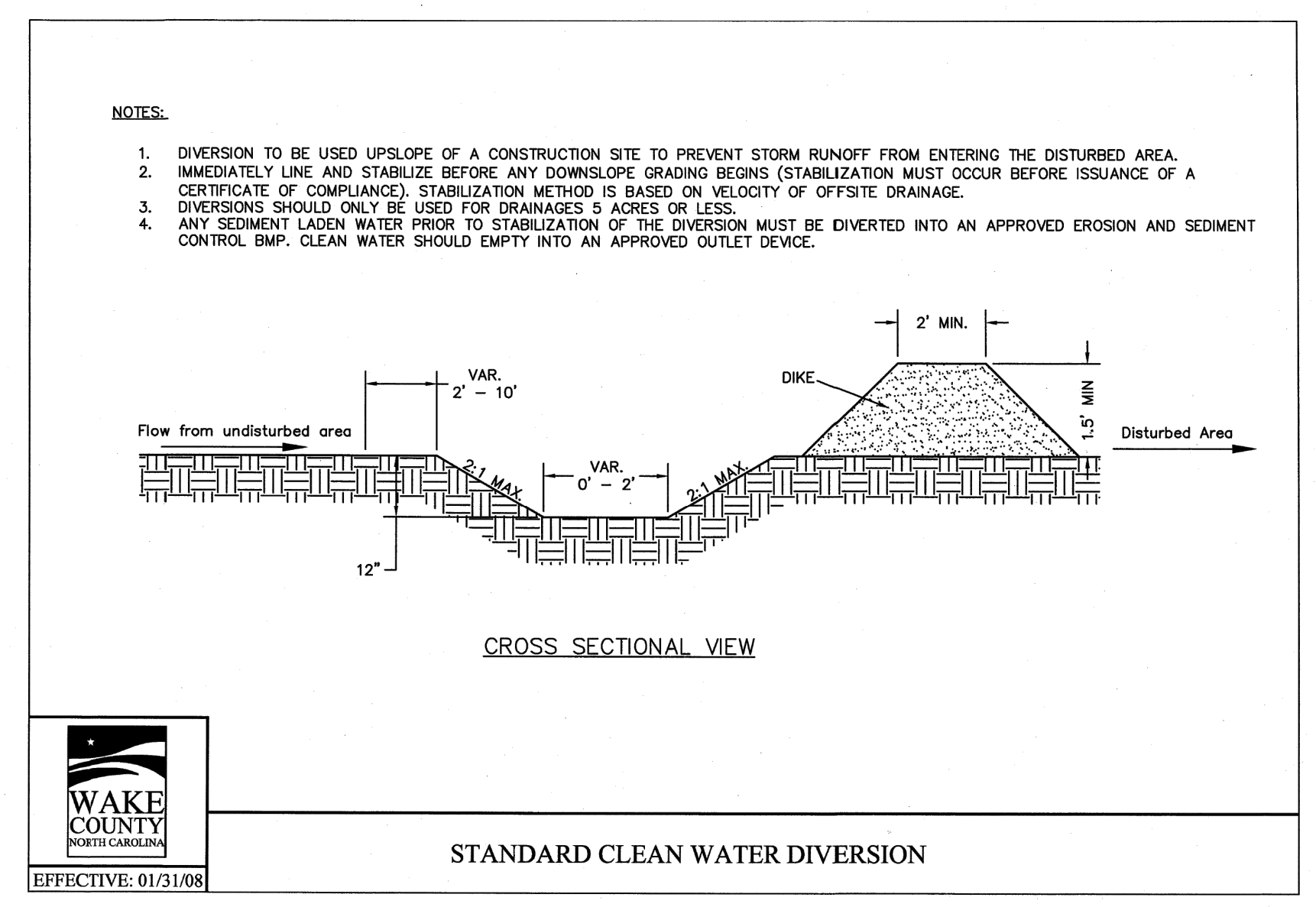
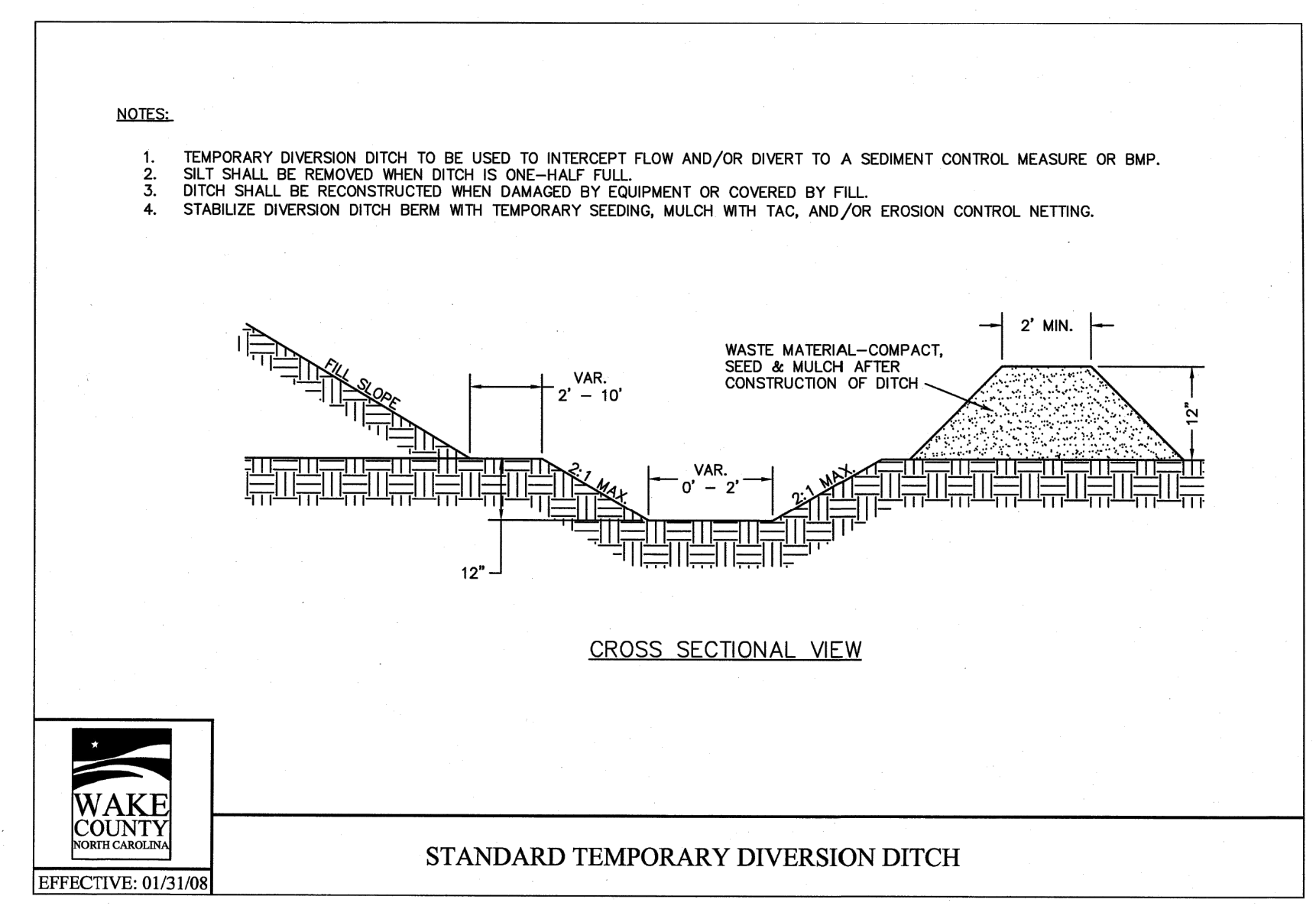
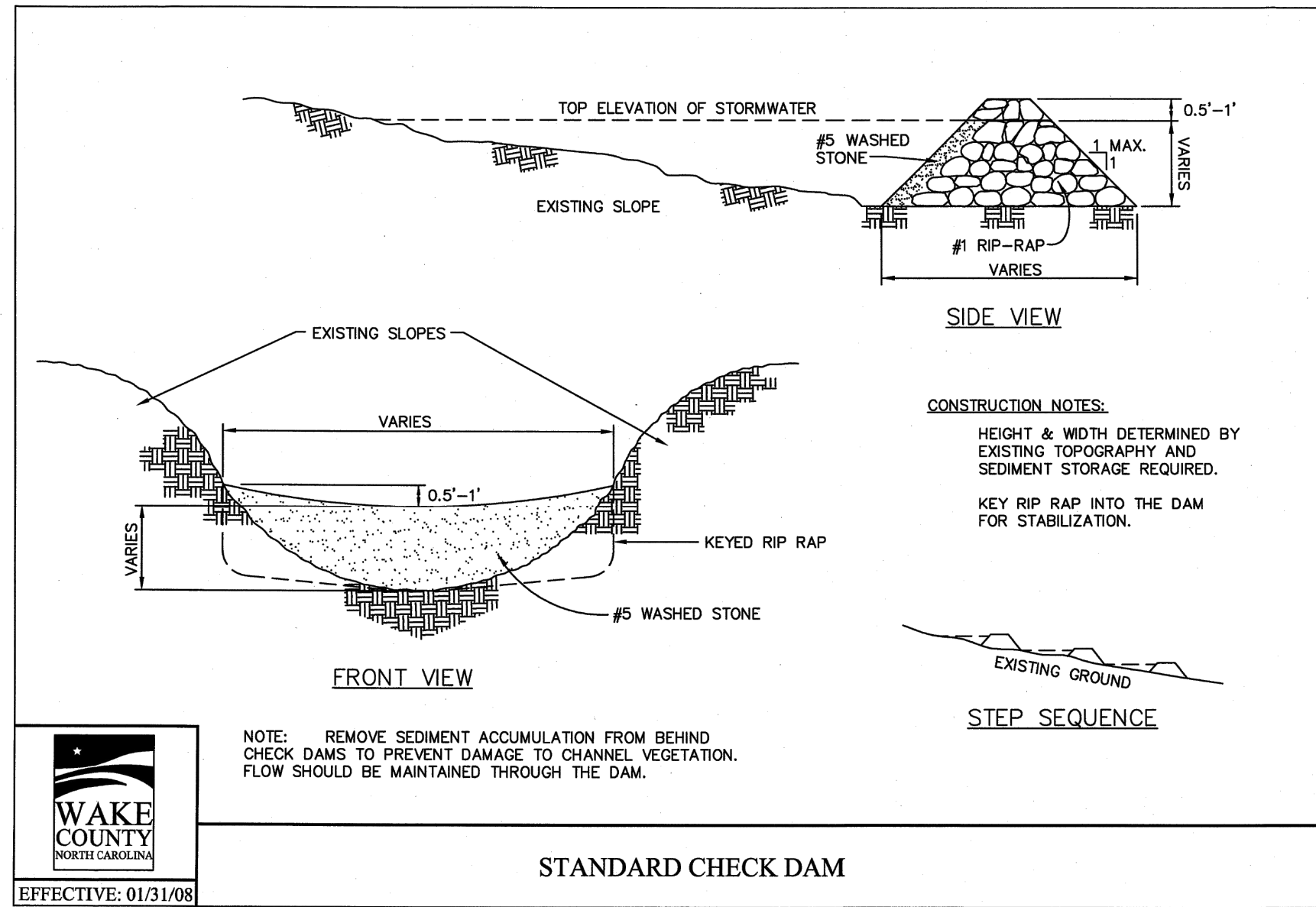
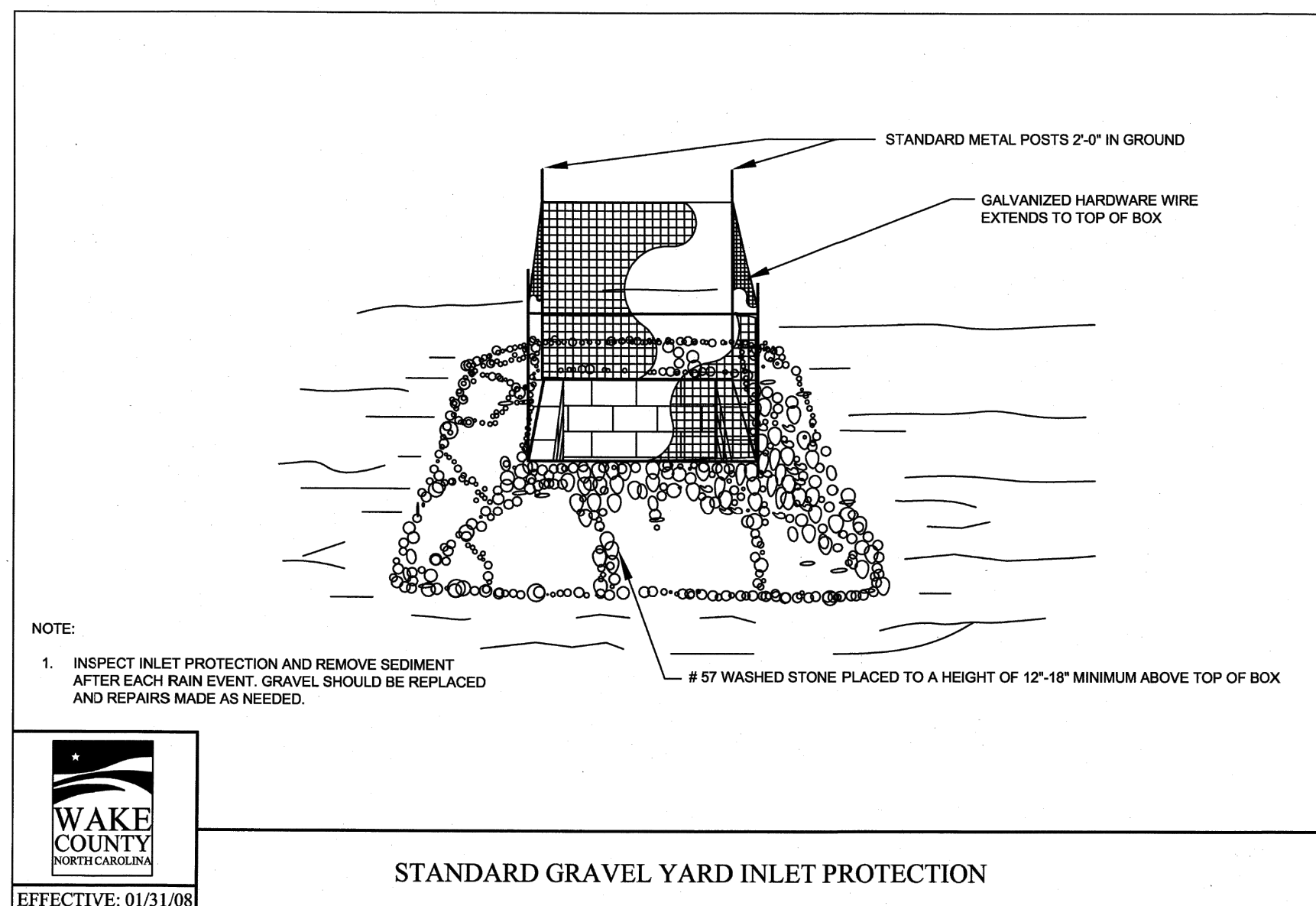
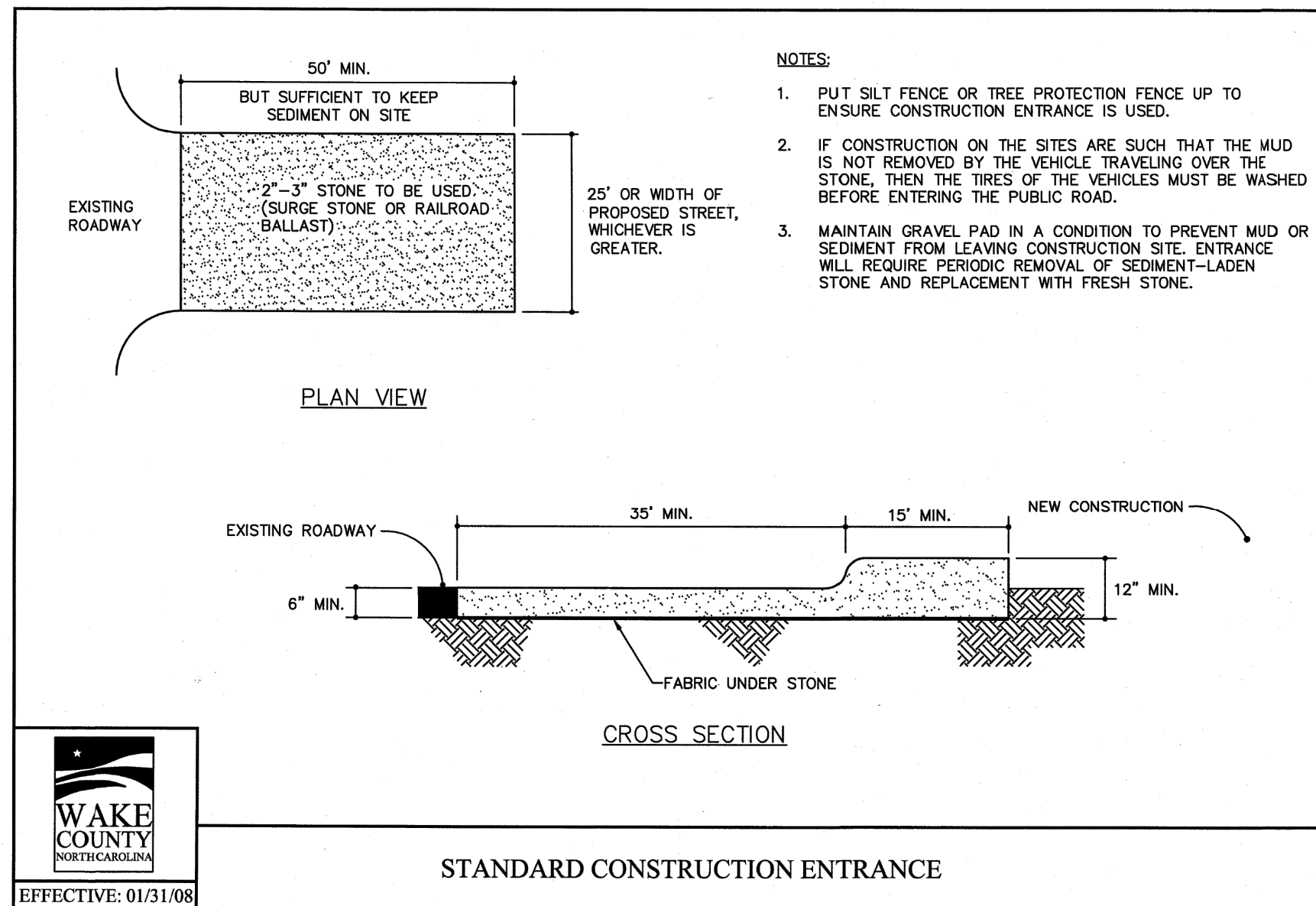
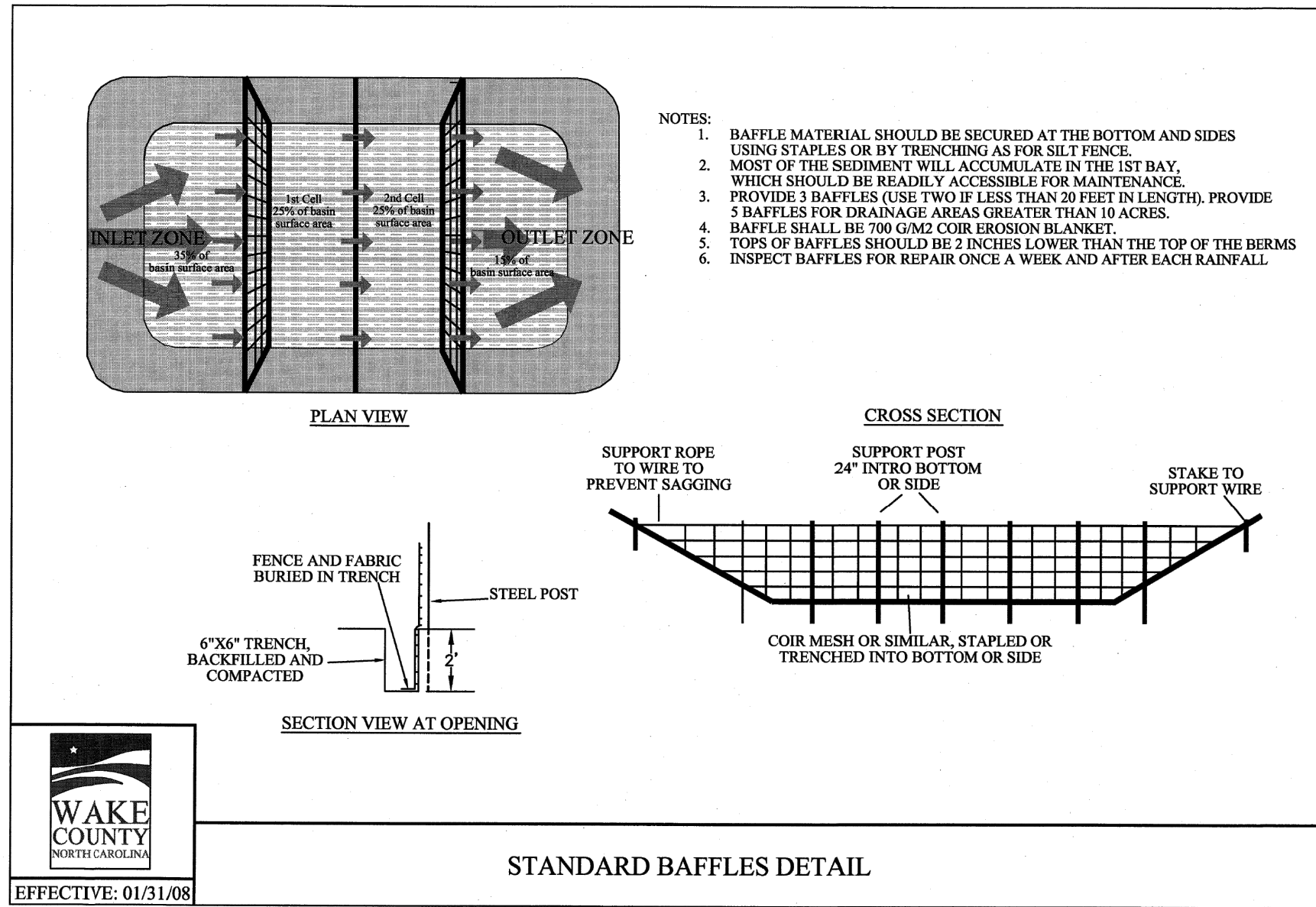
Lennar
CORPORAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560



DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

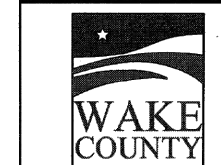
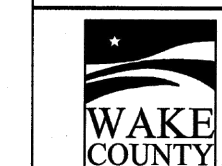
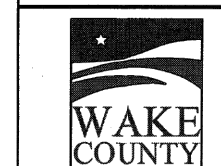
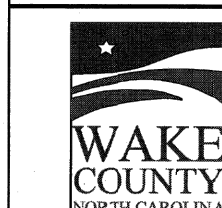
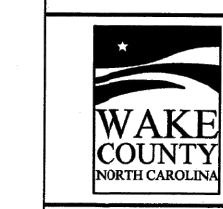
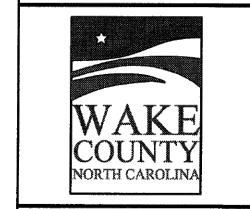
10/02/2023	PER TOWN OF ROLESVILLE COMMENT
08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REV	INITIAL SUBMITTAL

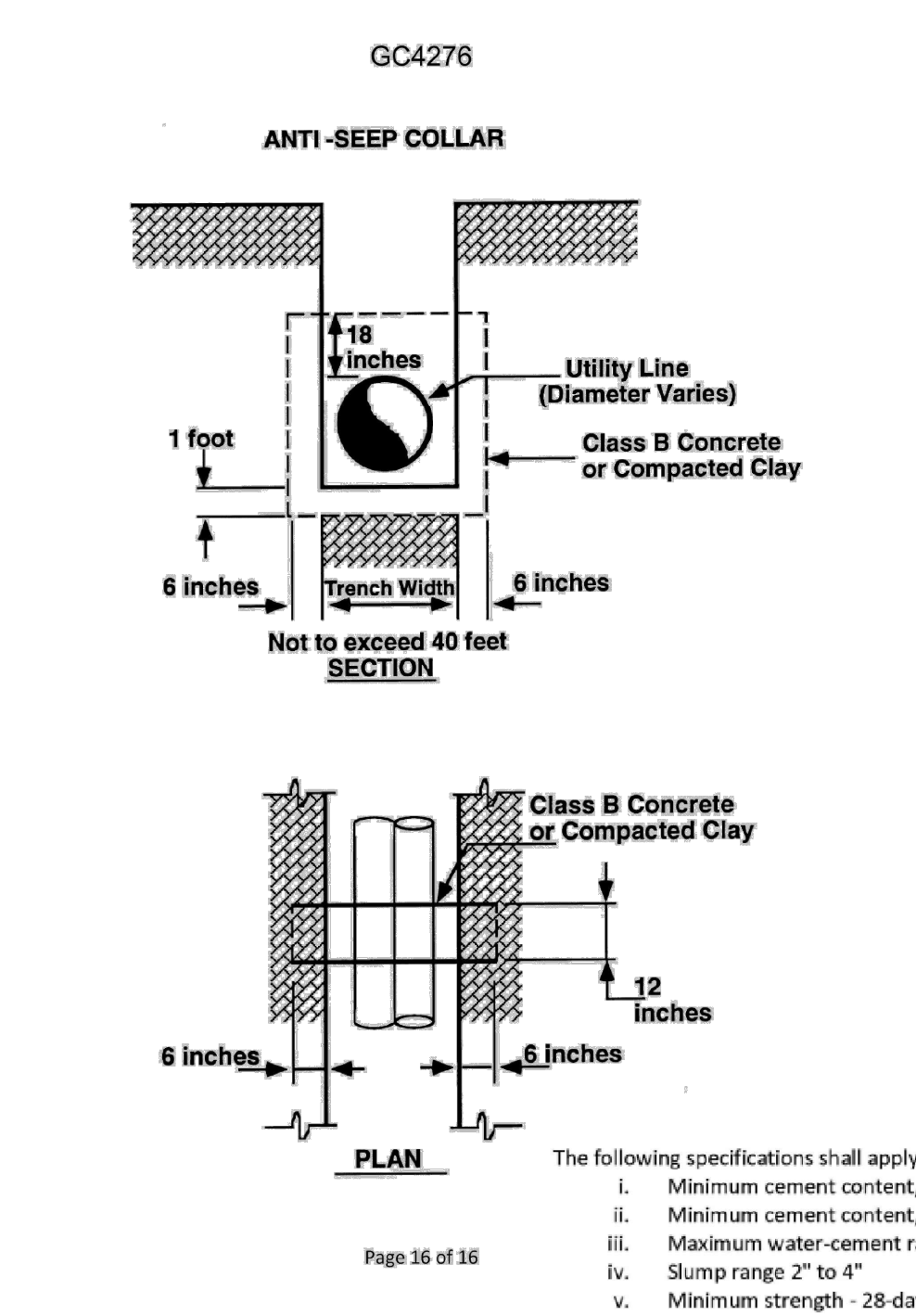
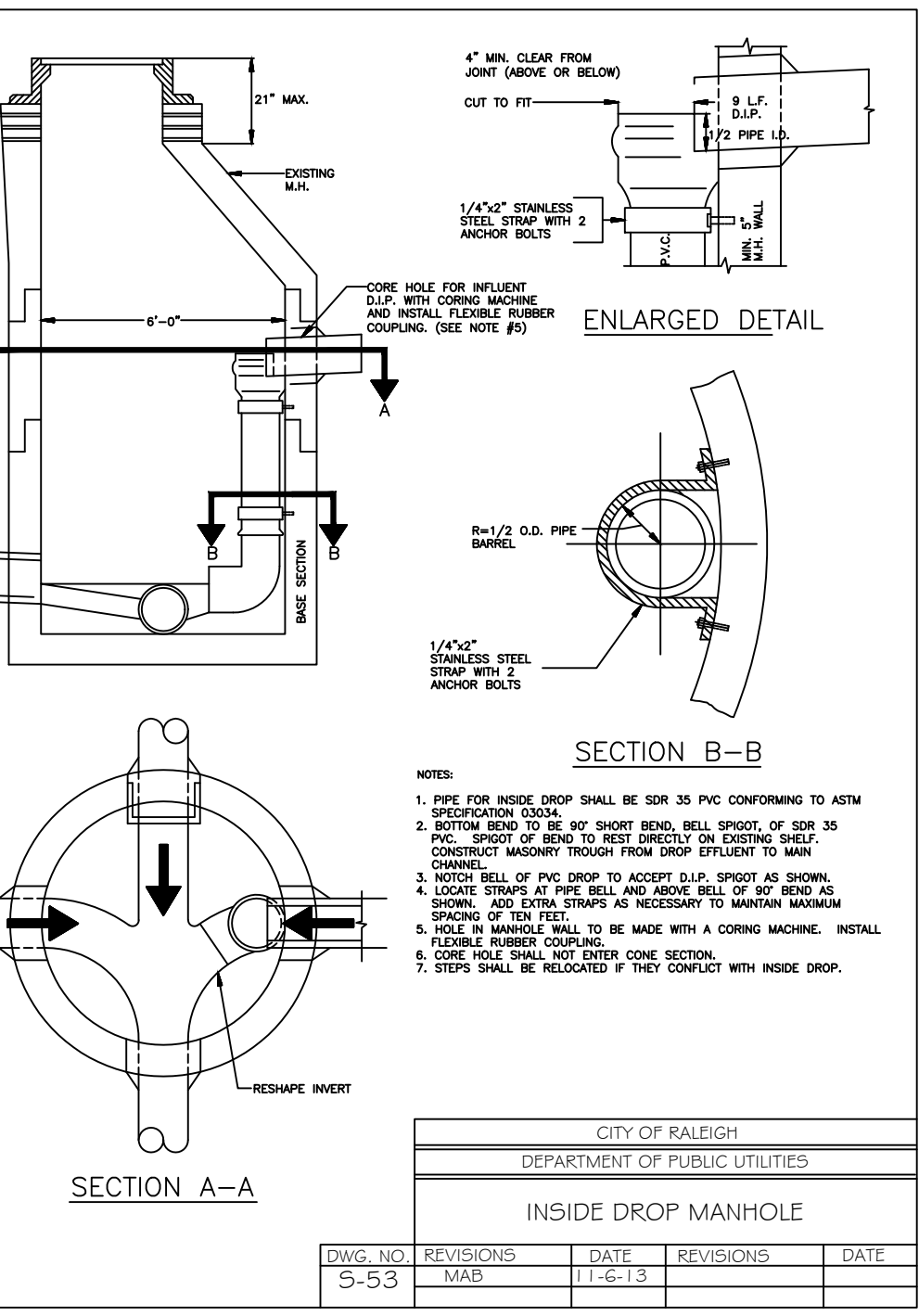
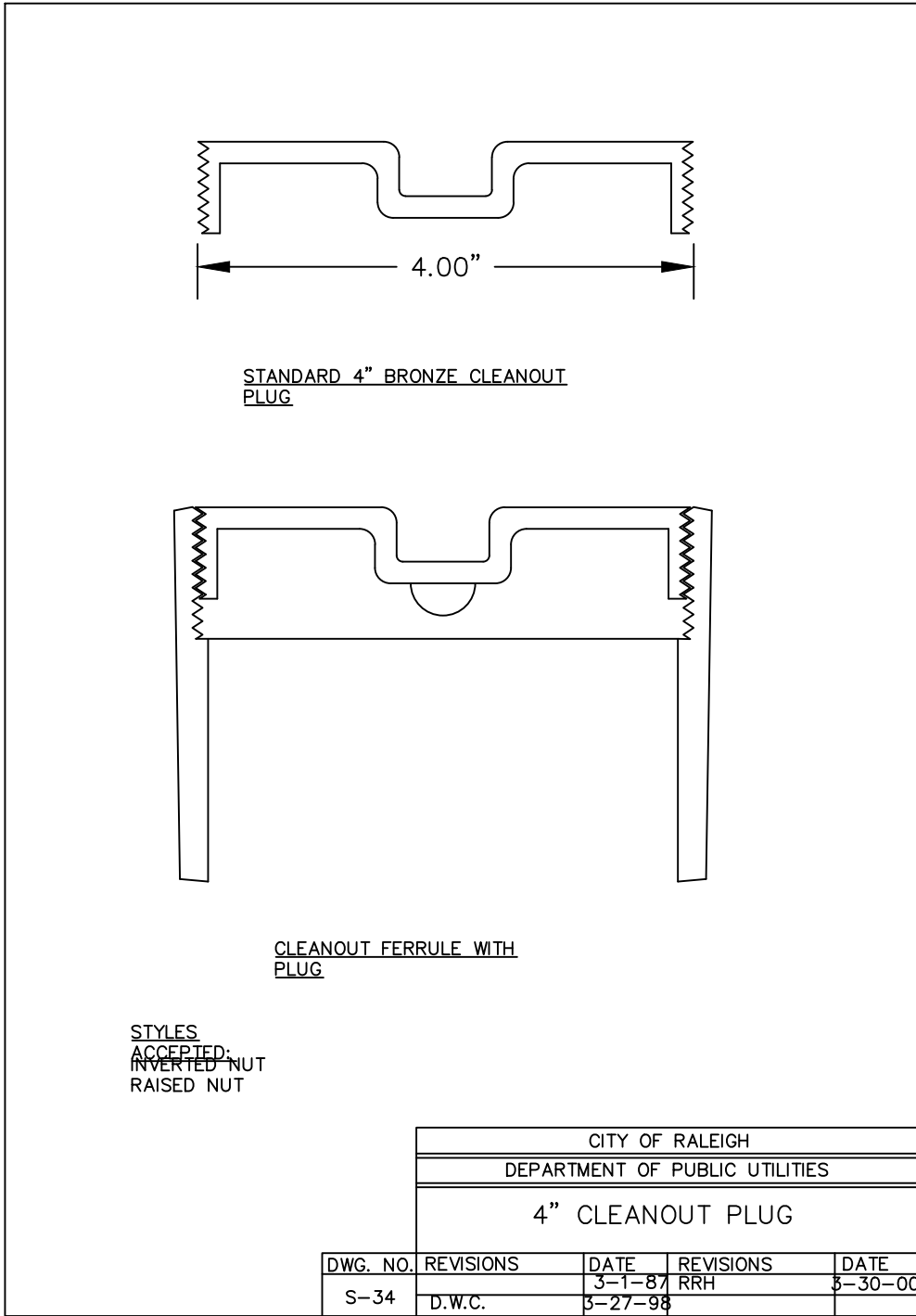
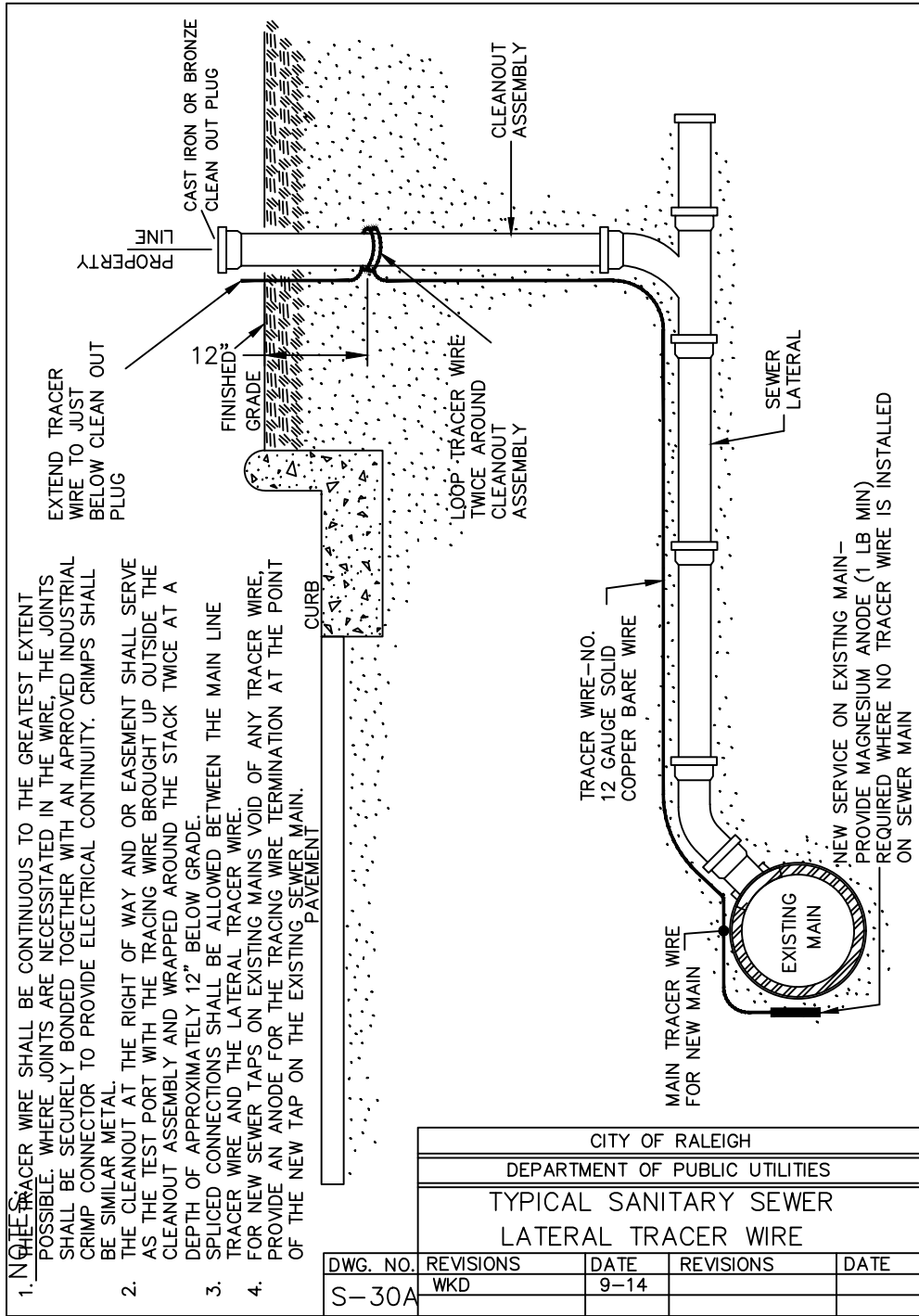
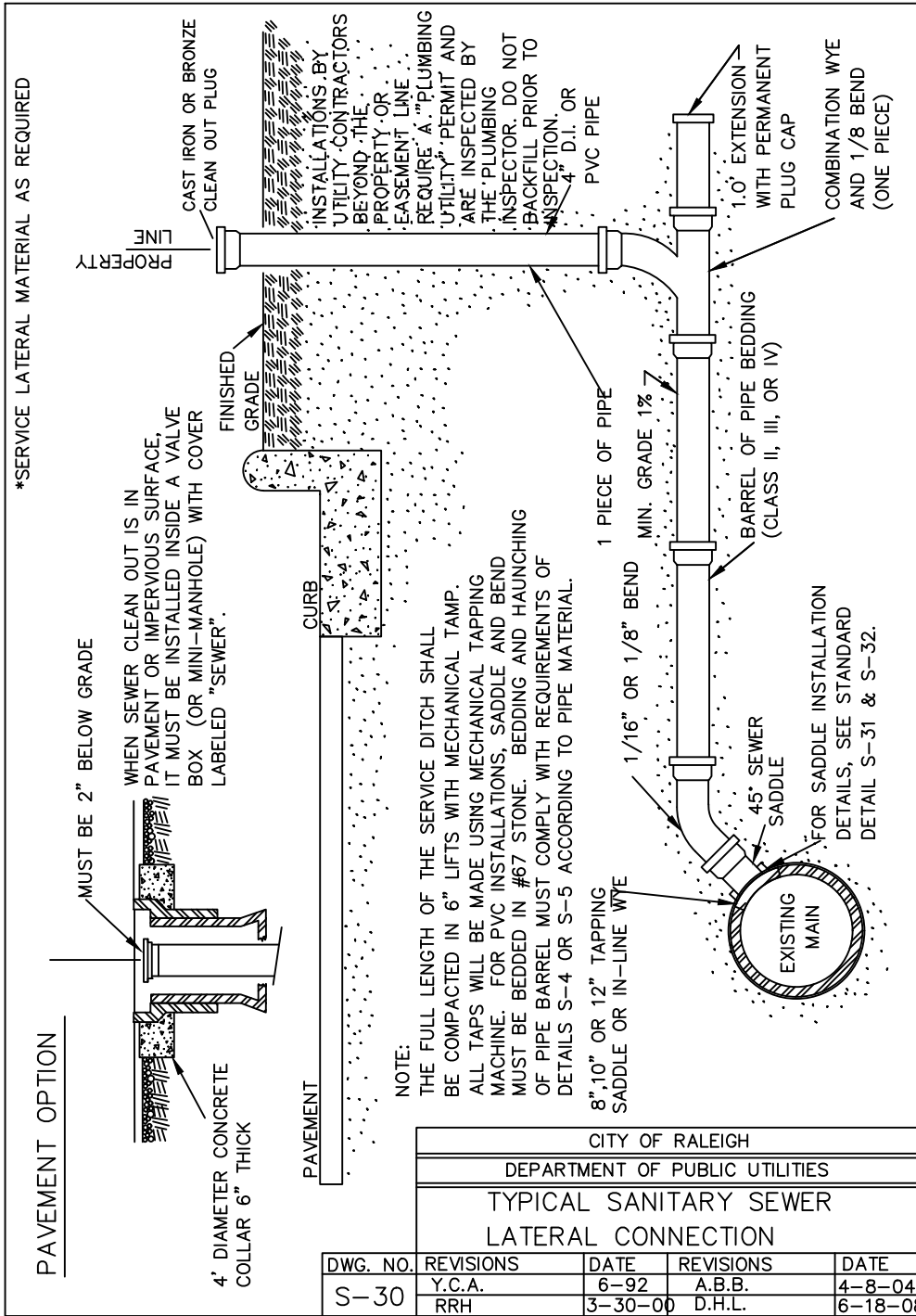
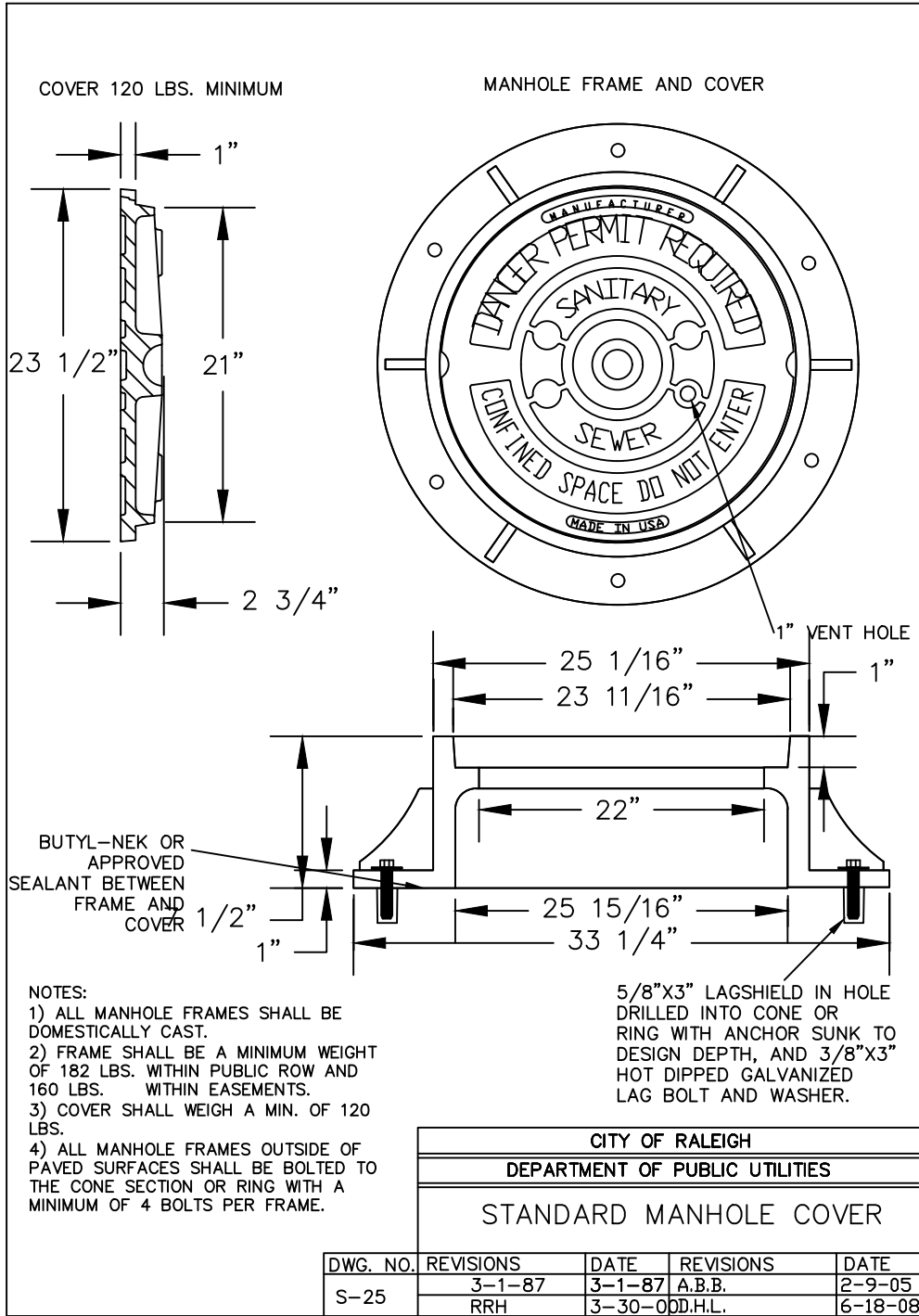
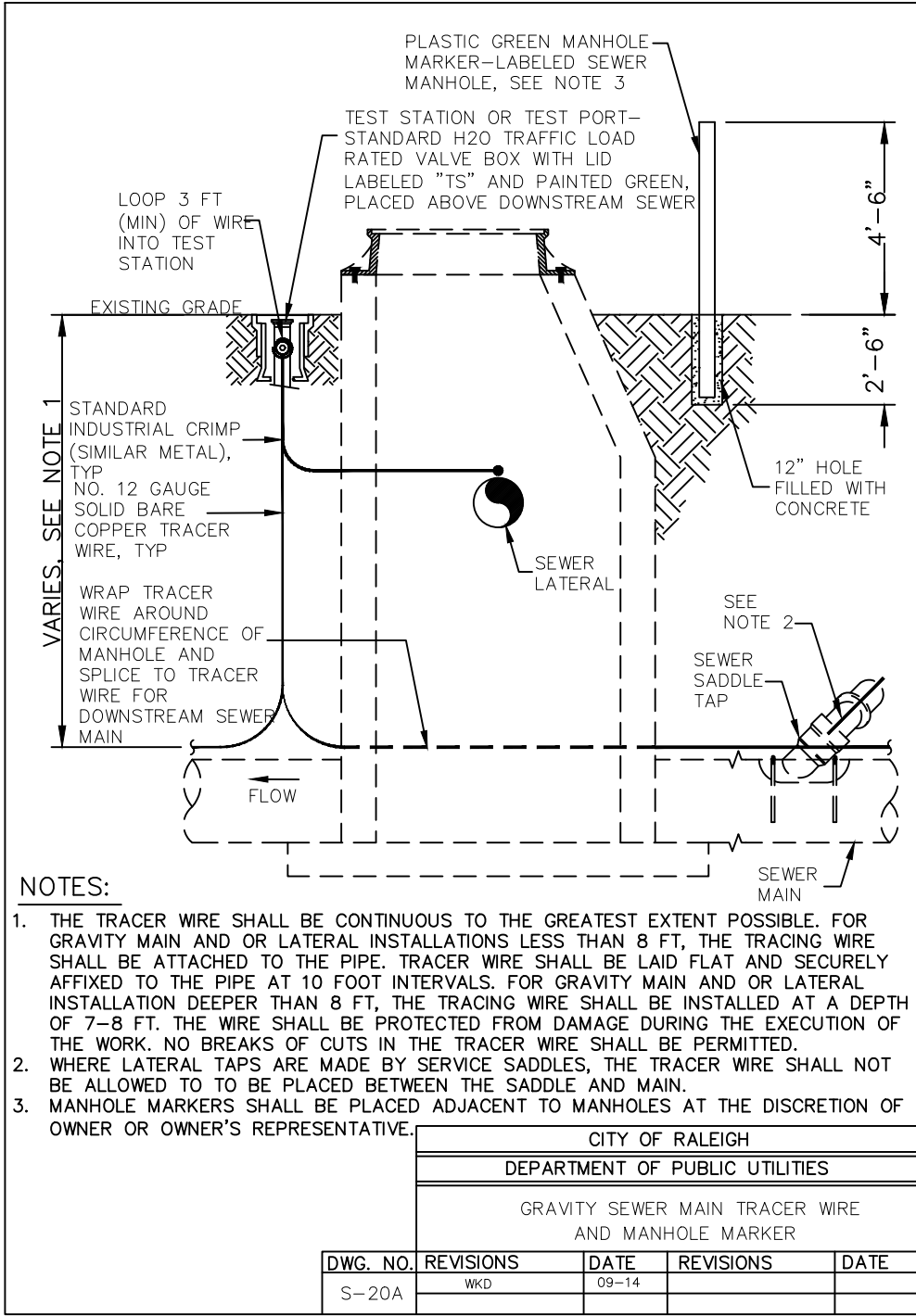
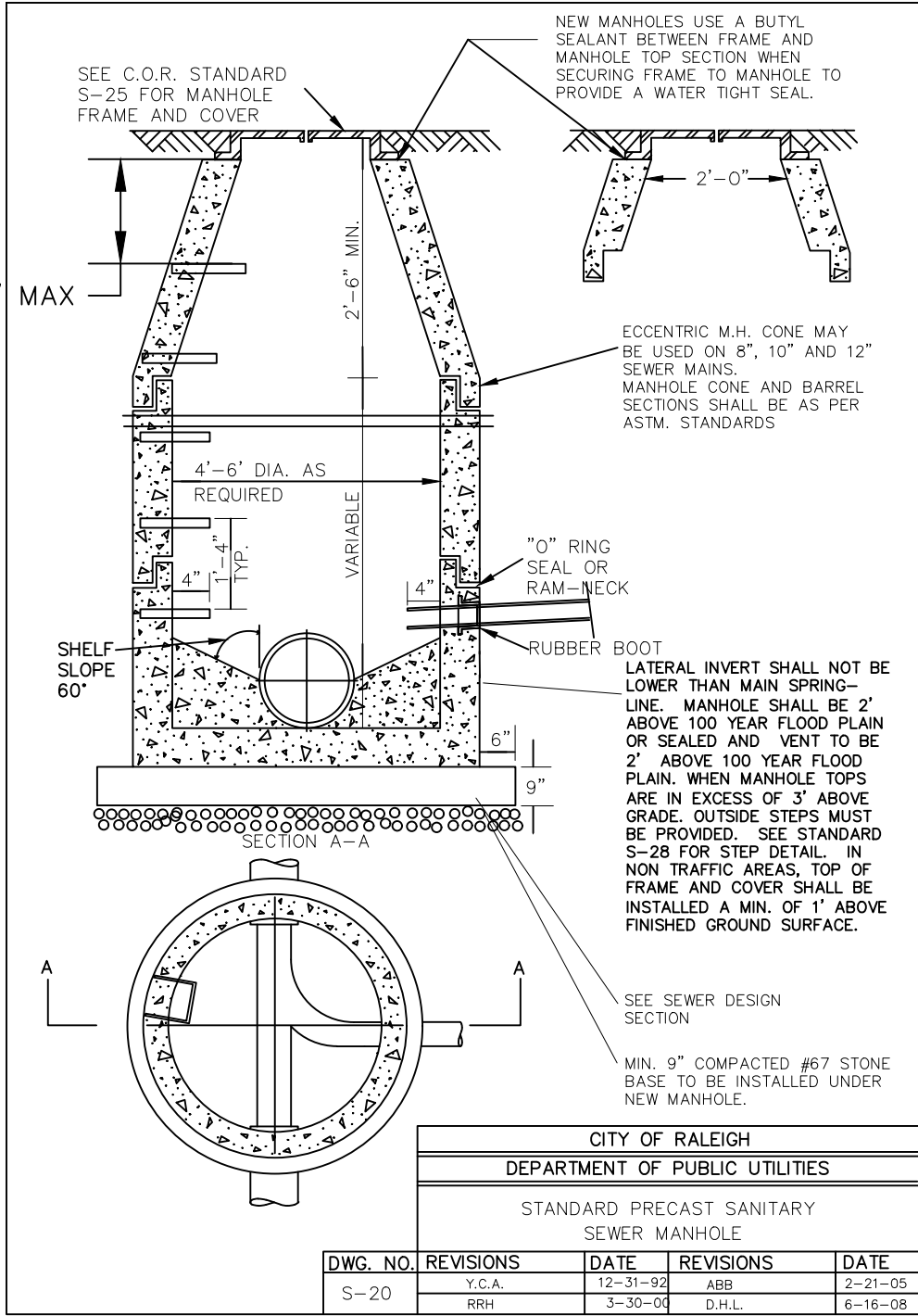
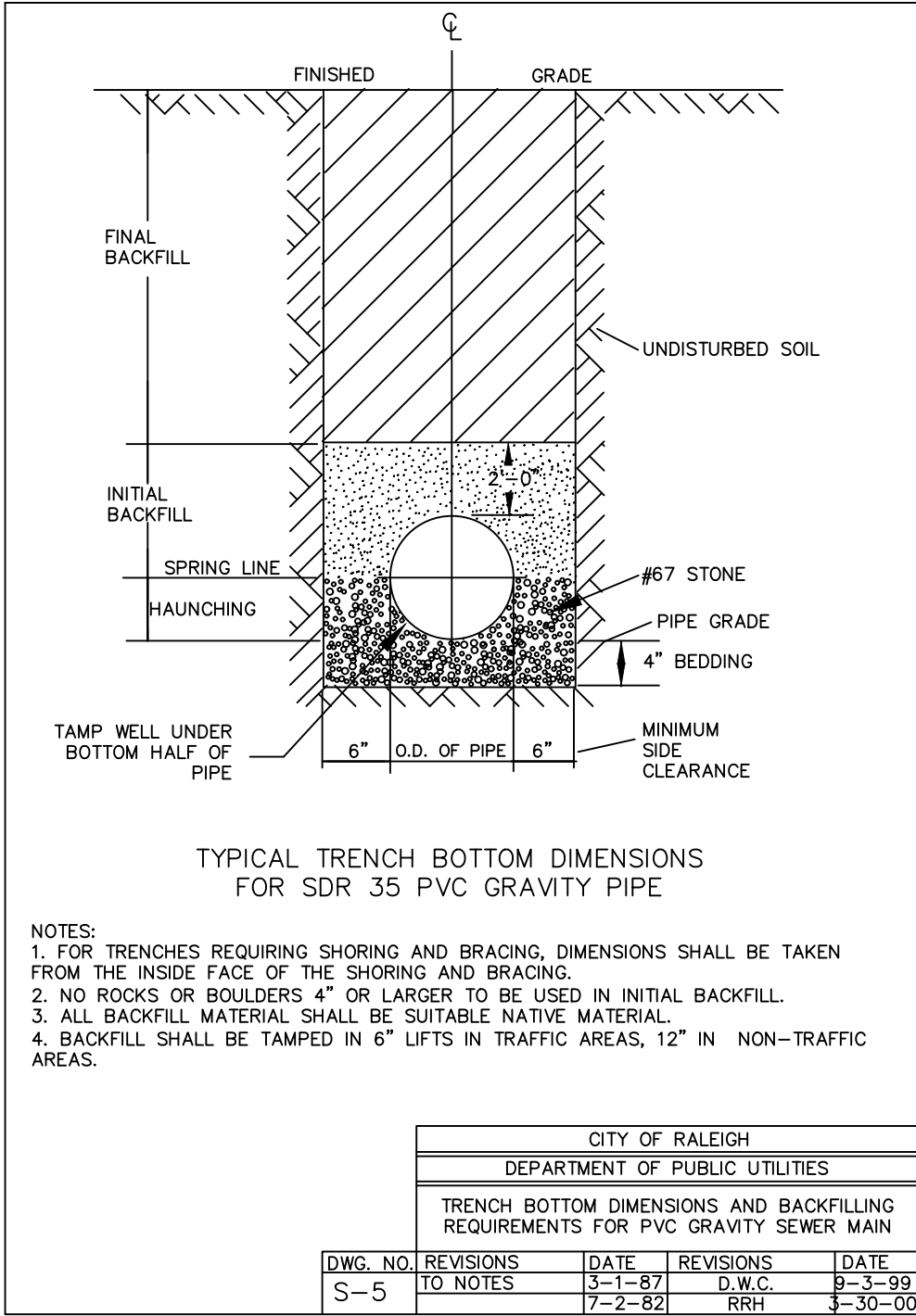
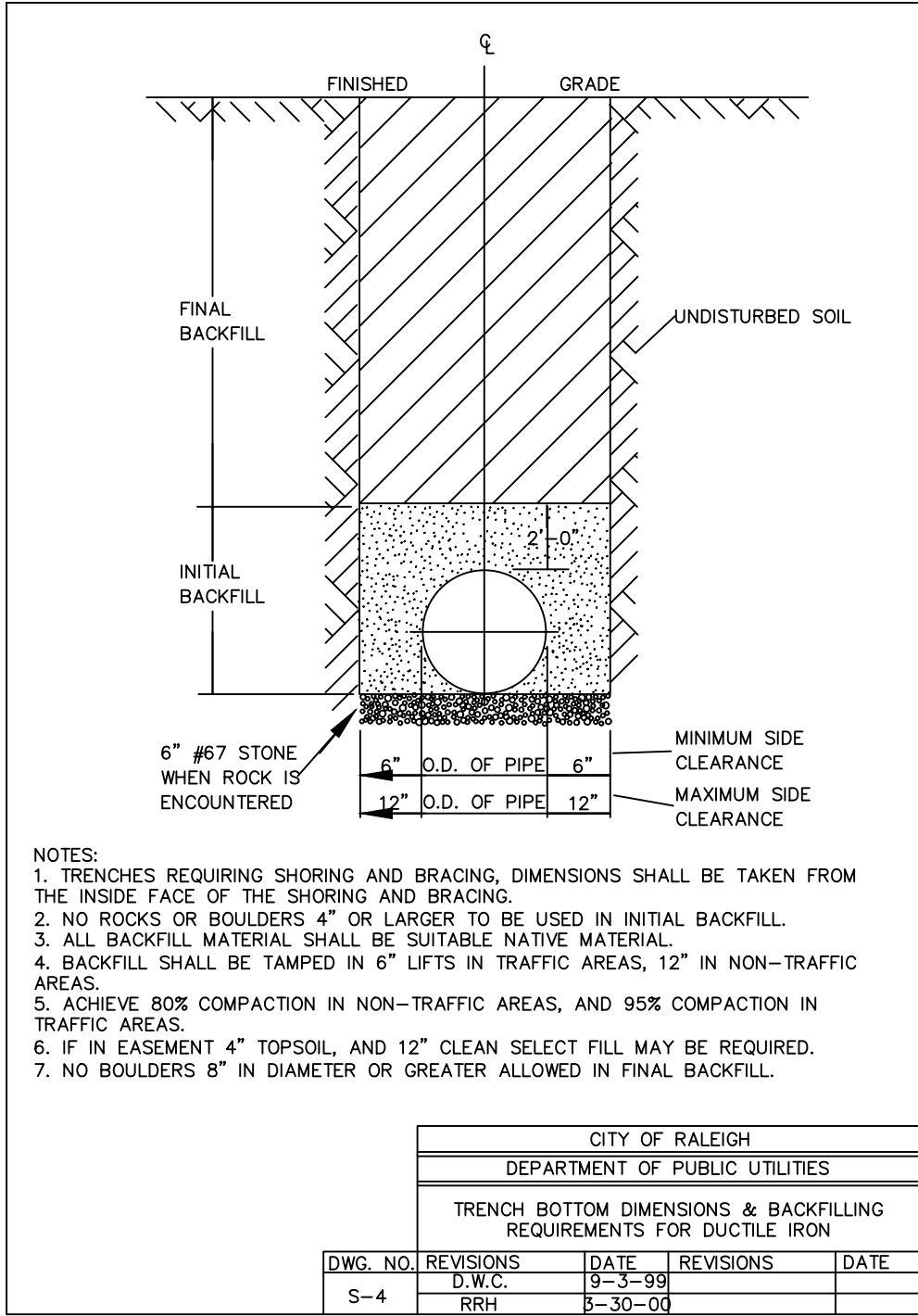
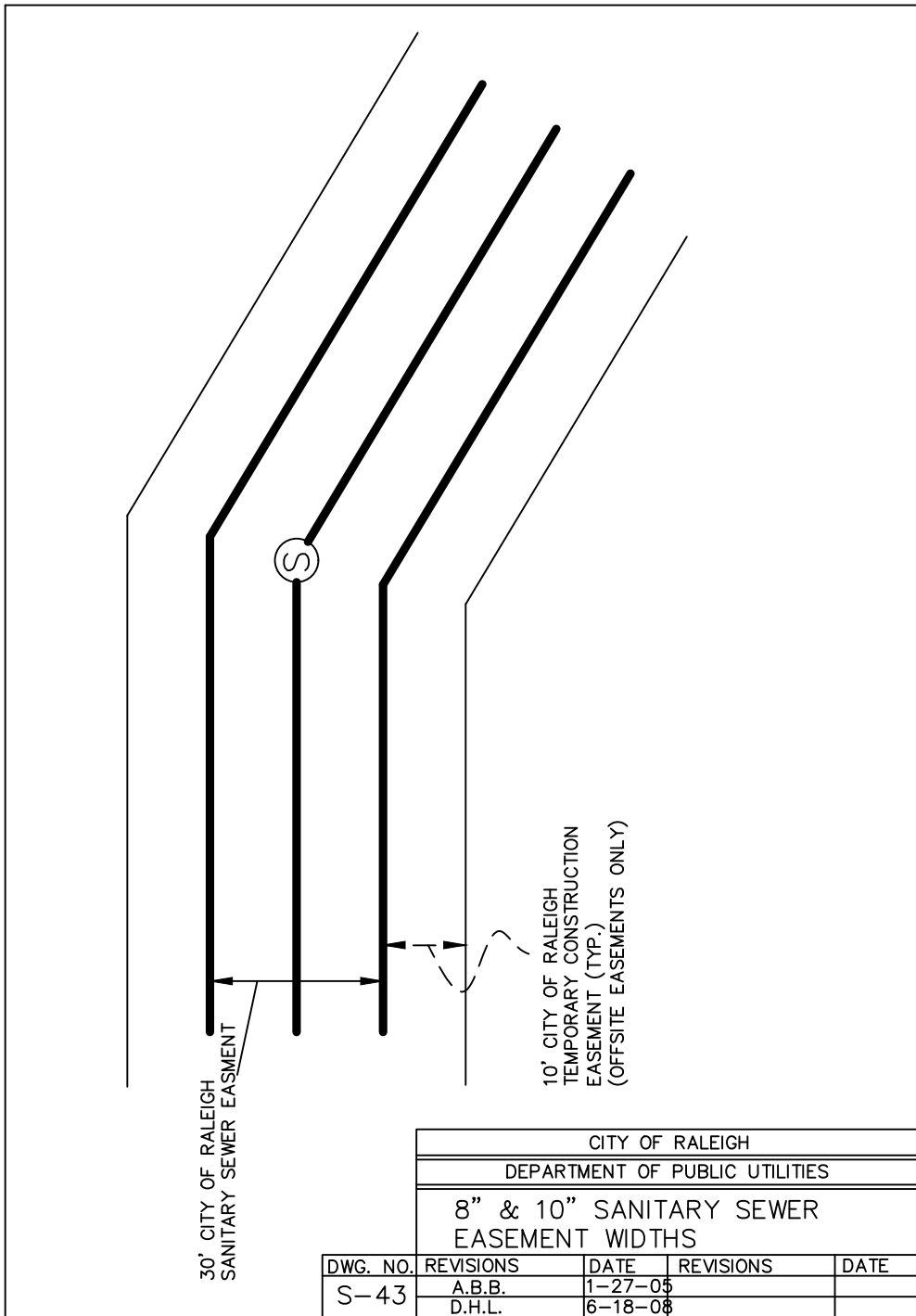
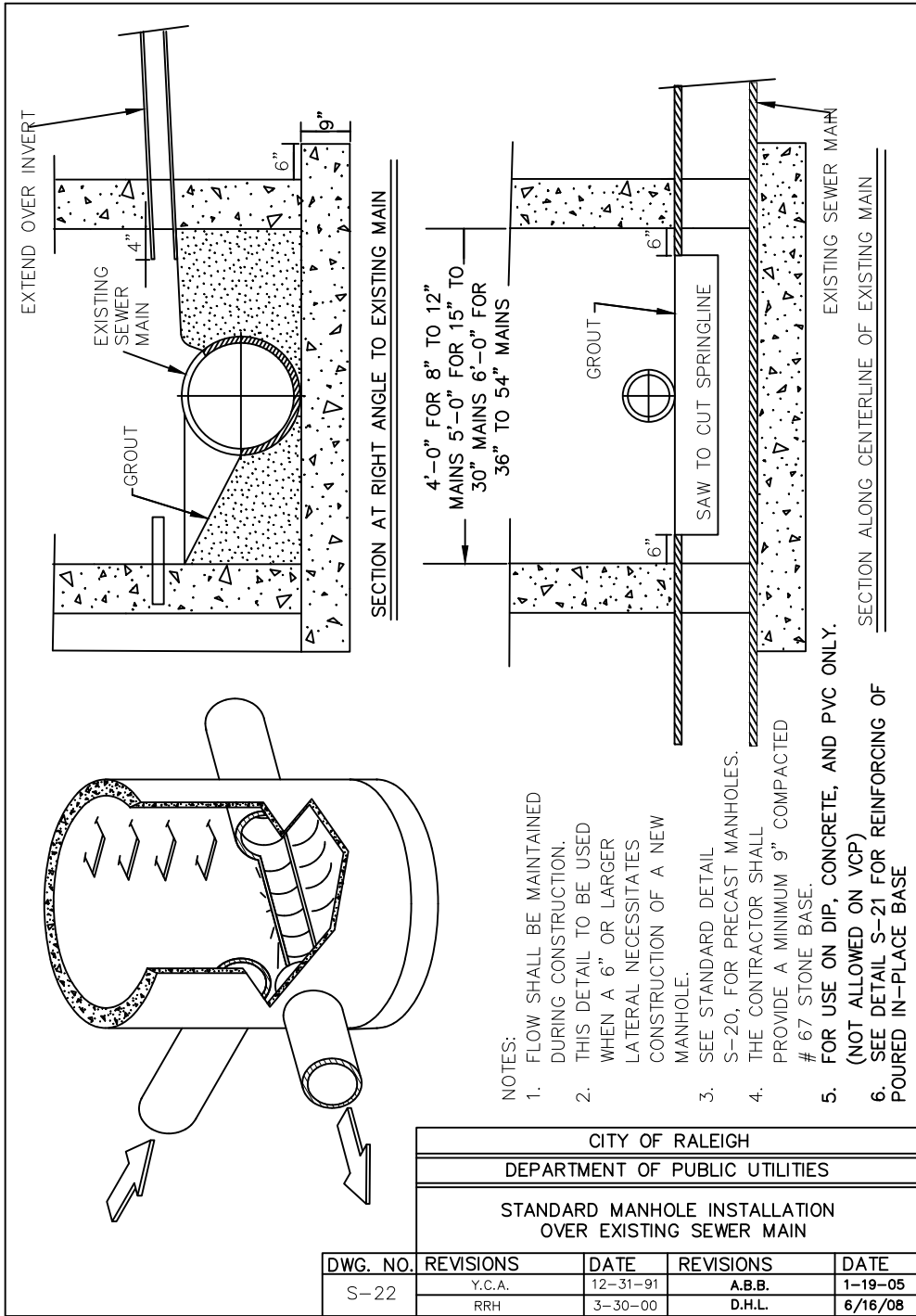
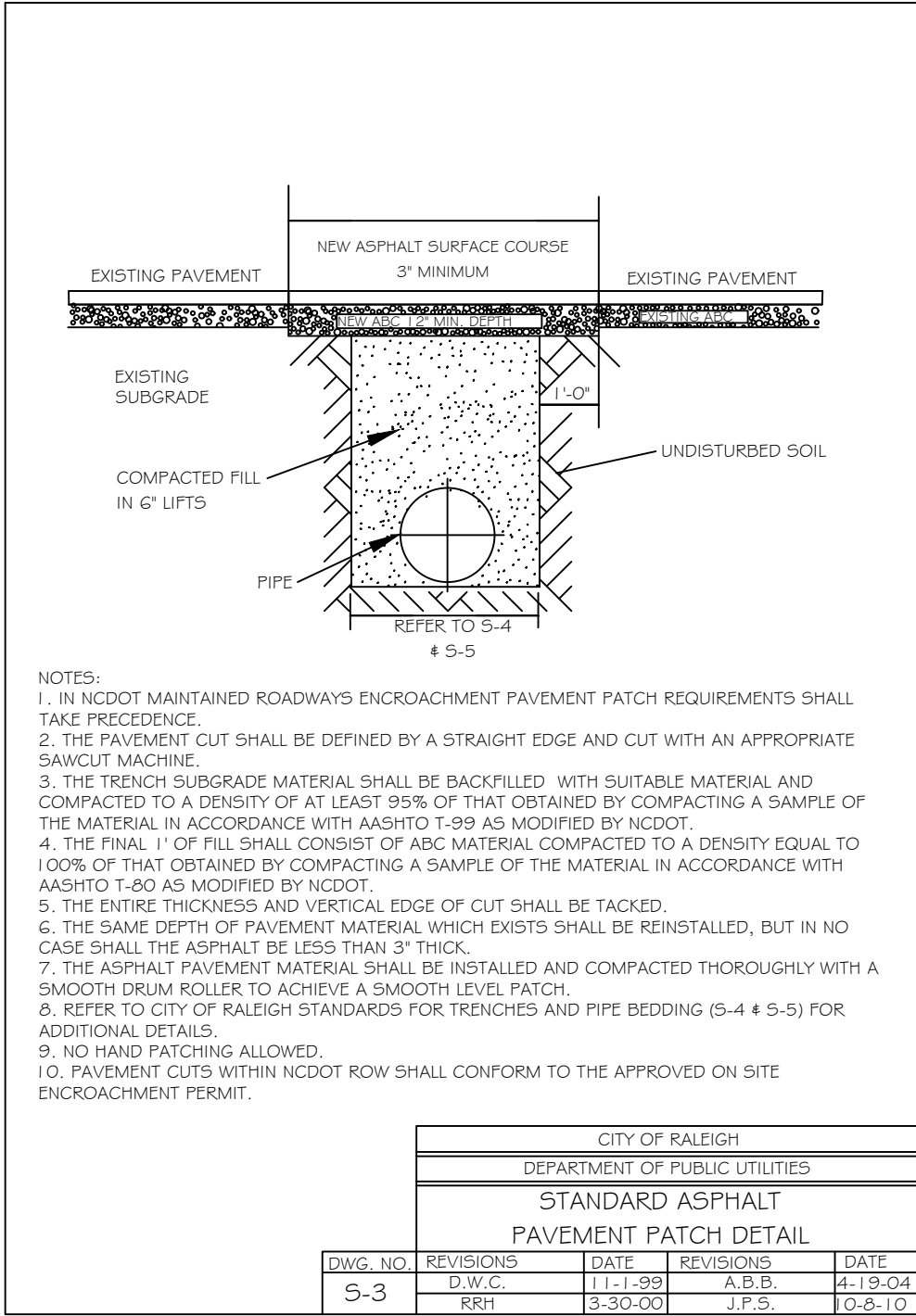
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PER TOWN OF ROLESVILLE COMMENT		10/02/2023
PER TOWN OF ROLESVILLE COMMENT		08/01/2023
INITIAL SUBMITTAL		06/01/2023
DESIGNED BY:	DF/CD	
DRAWN BY:	DF/JWM	
REVIEWED BY:	DF	
BCE		
5440 WALKER PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM NC LICENSE #C-4397		
LENNAR CORPORATION		
1100 PERIMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560		
PARKER RIDGE		
82 SCHOOL STREET ROLESVILLE / NORTH CAROLINA / 27571		
EROSION CONTROL DETAILS (1 OF 2)		
PRELIMINARY		
ENGINEER: FEDRA M. FERNANDEZ		
NOT FOR CONSTRUCTION		
FILE NUMBER: 8430-03		
DATE: 10/02/2023		
C8-3		







Know what's below.
Call before you dig.

DESIGNED BY:	DF/CD
DRAWN BY:	DF/JWM
REVIEWED BY:	DF
10/02/2023	PER TOWN OF ROLESVILLE COMMENT
08/01/2023	PER TOWN OF ROLESVILLE COMMENT
06/01/2023	INITIAL SUBMITTAL

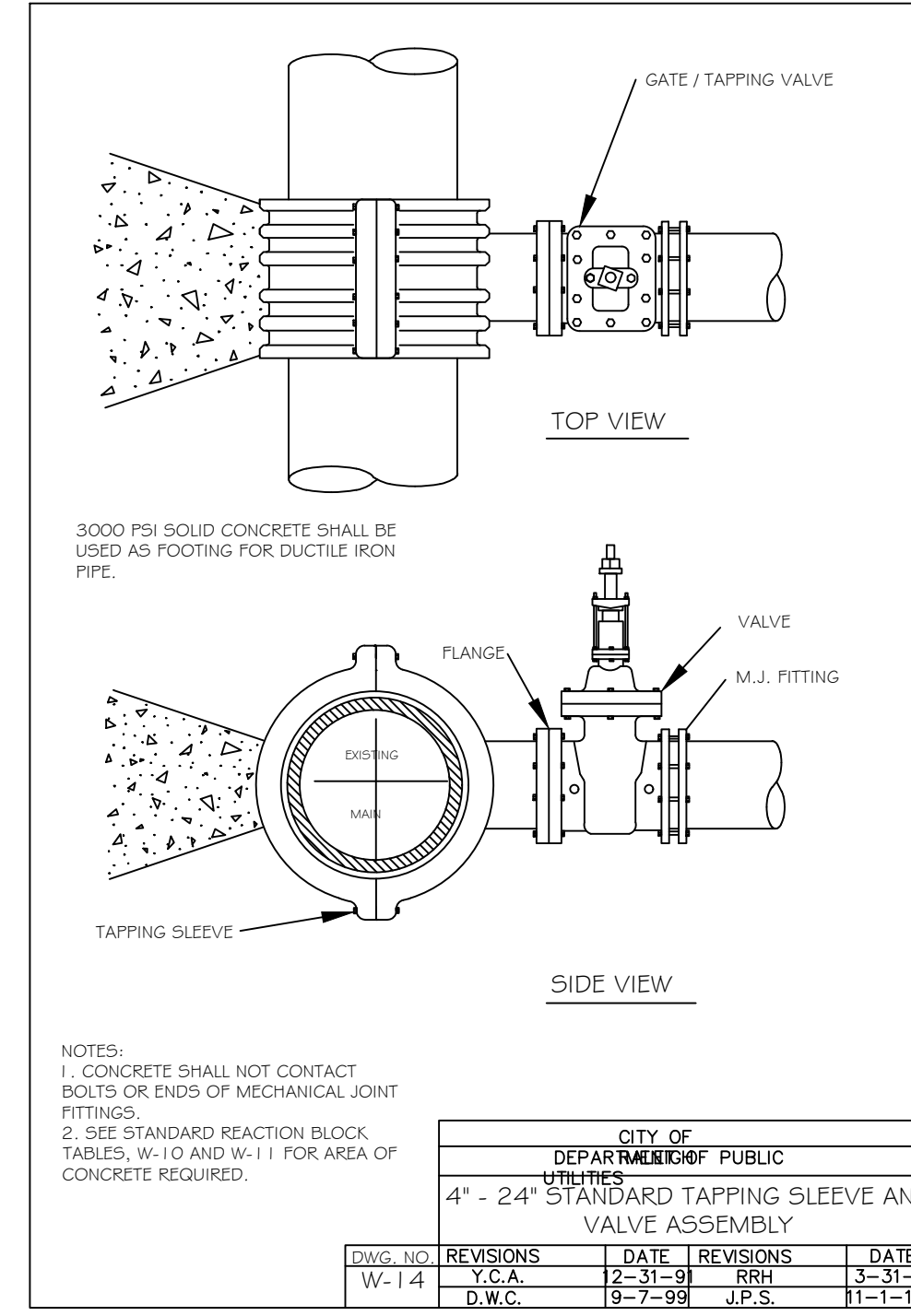
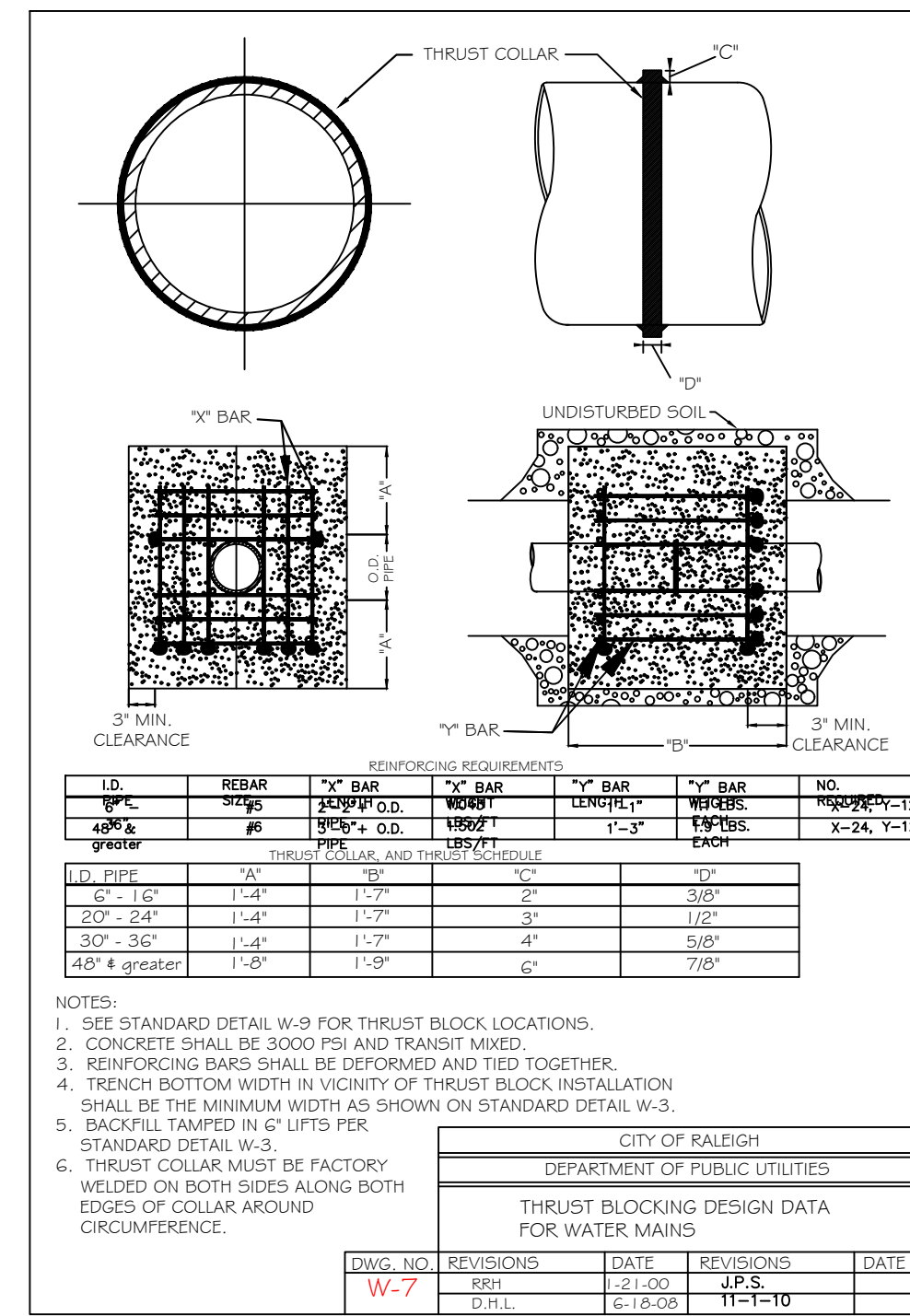
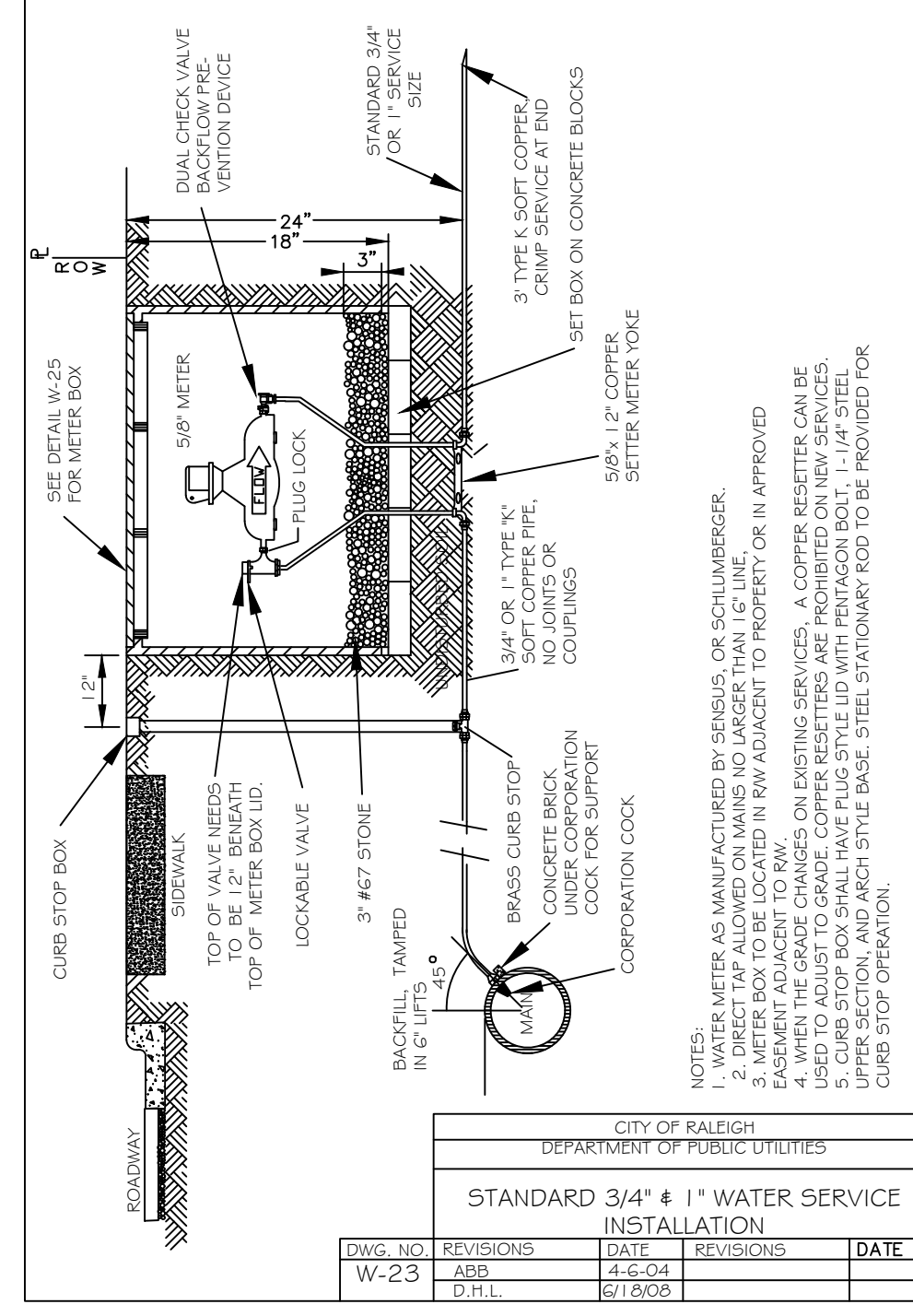
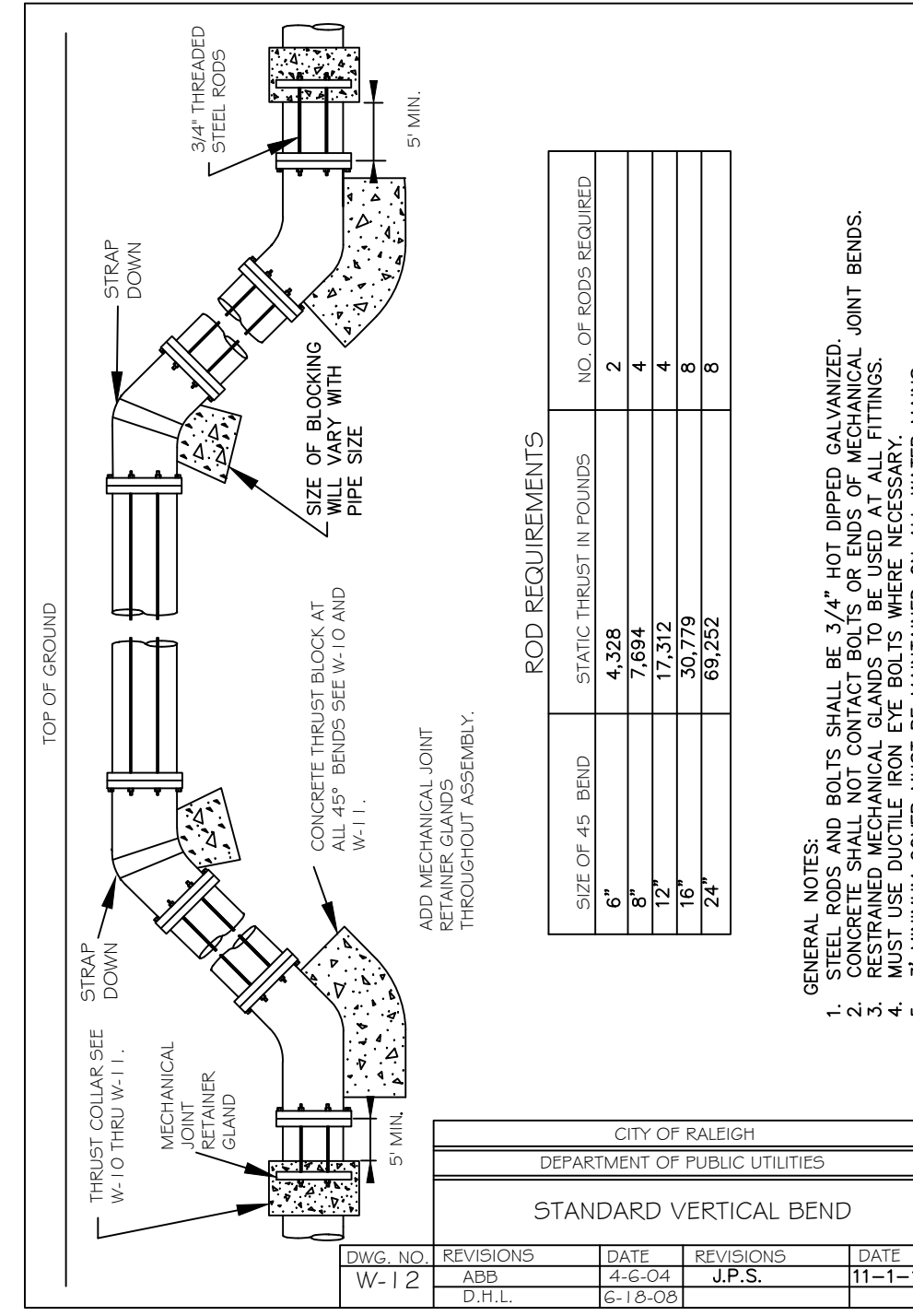
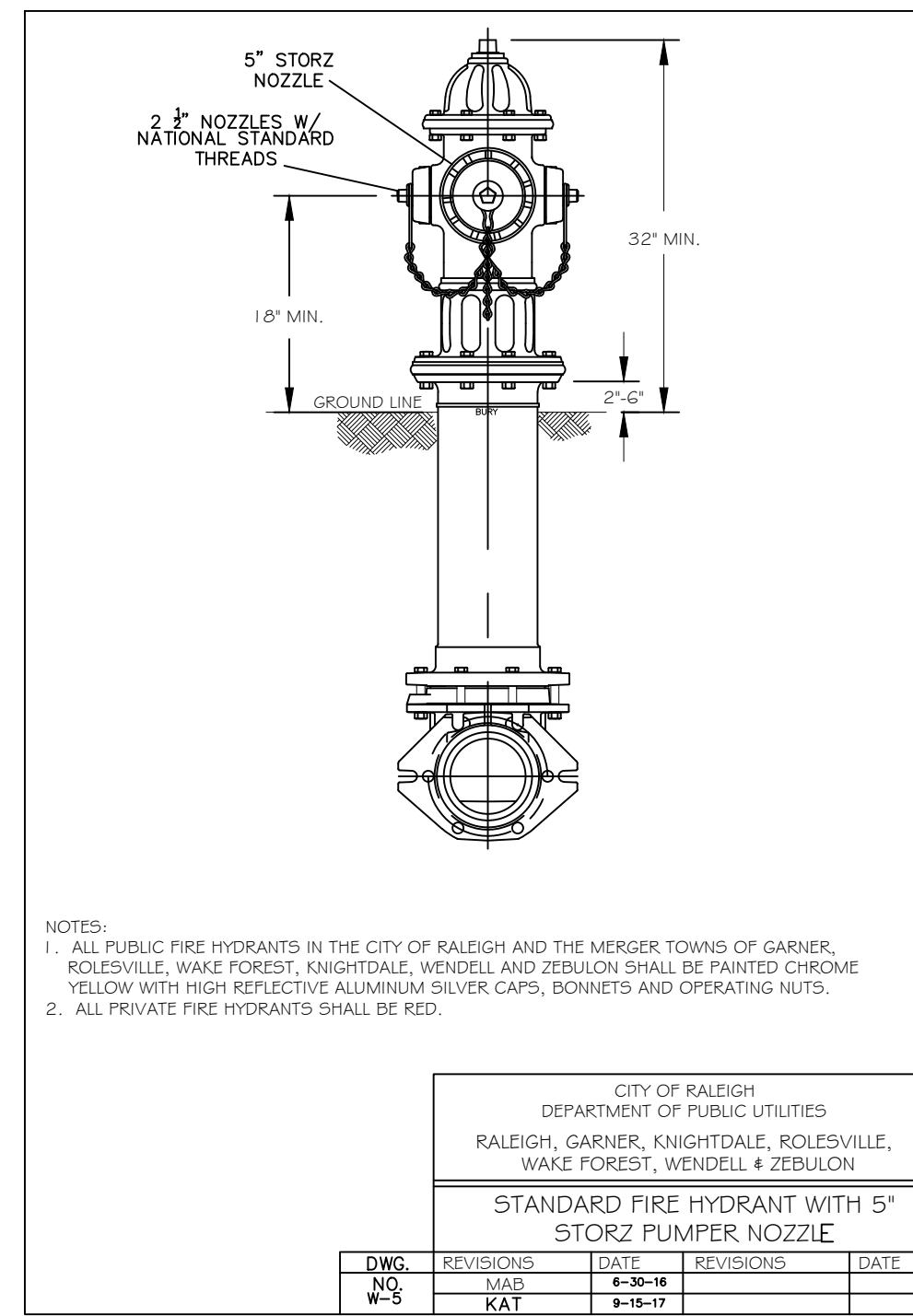
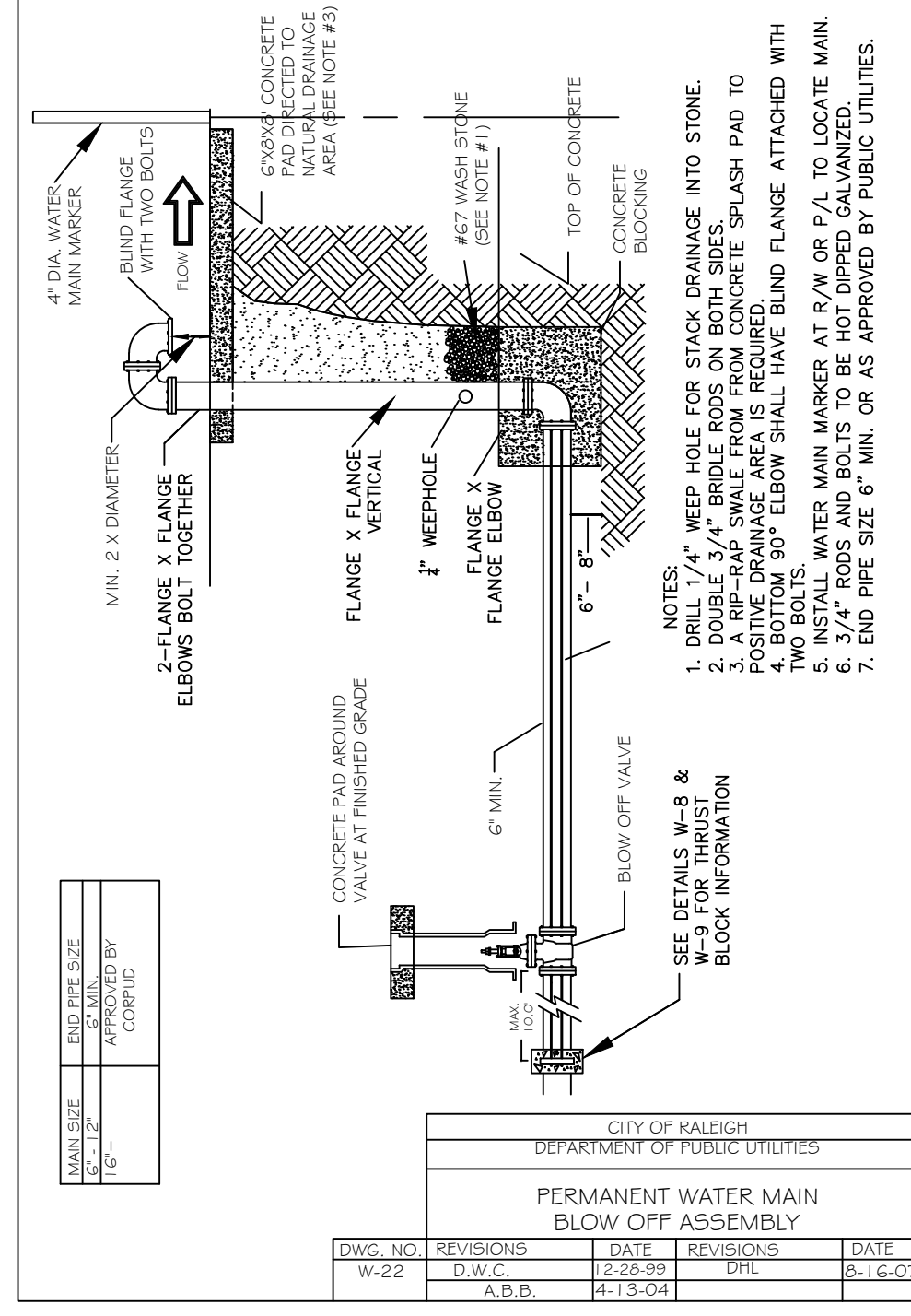
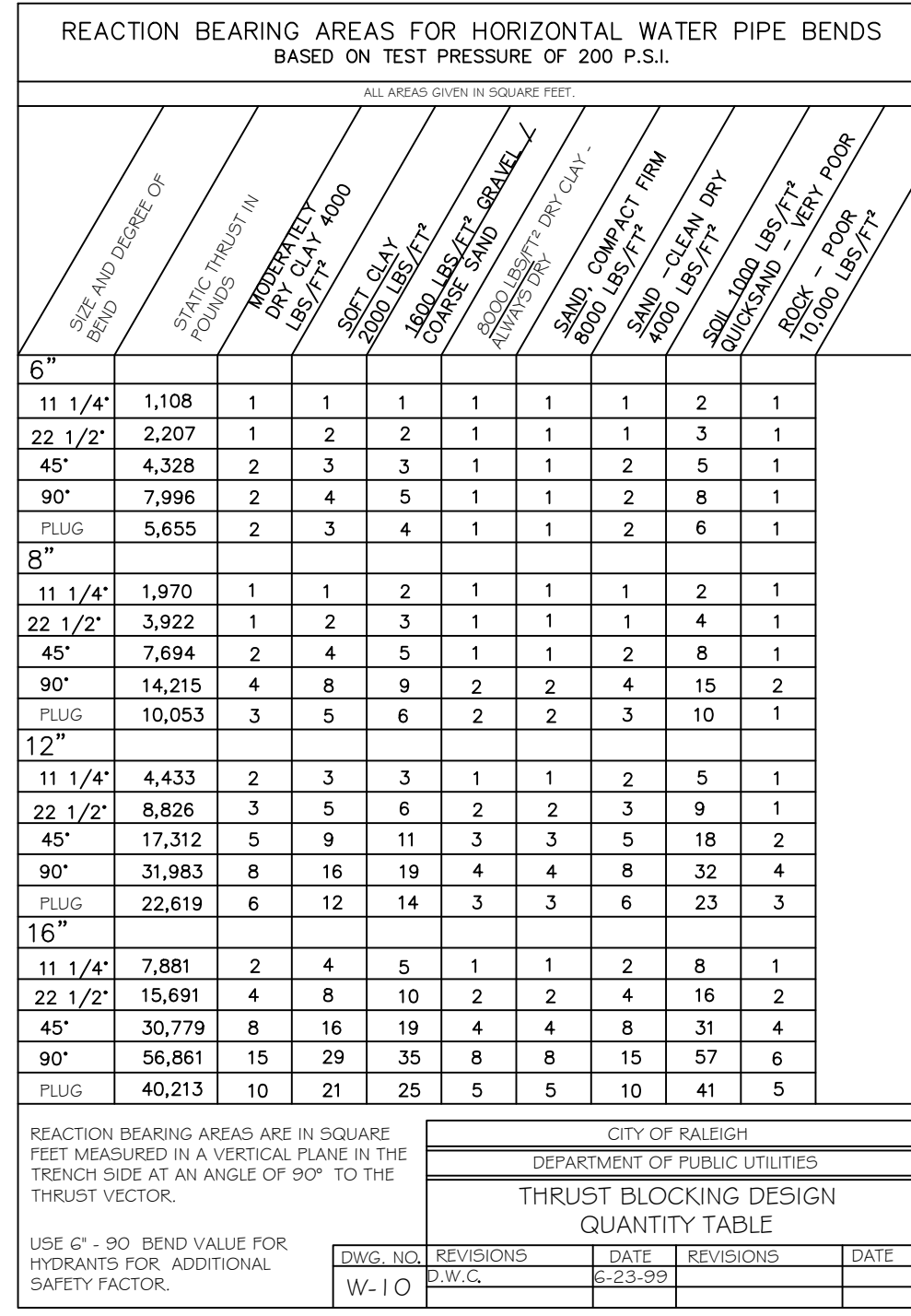
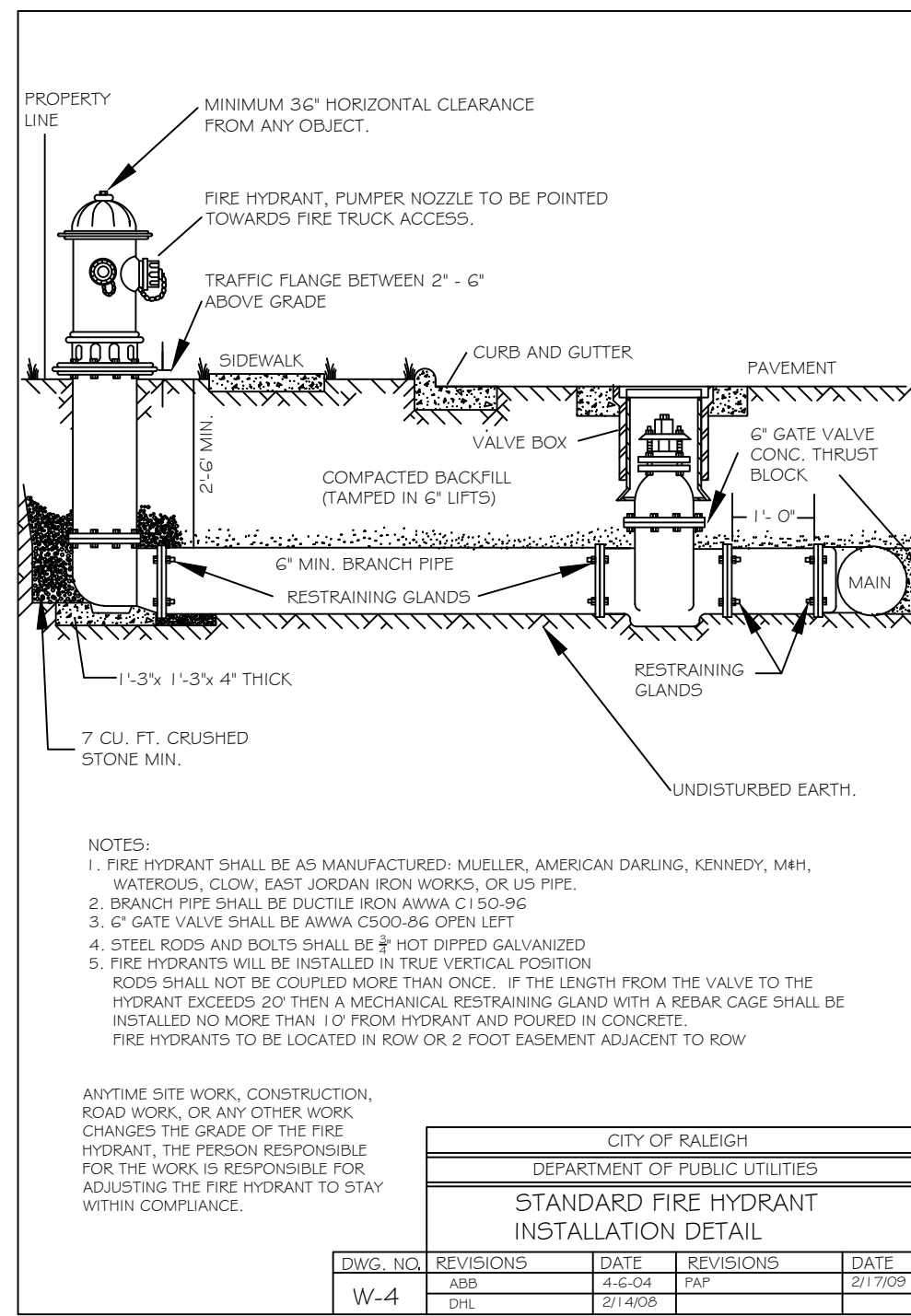
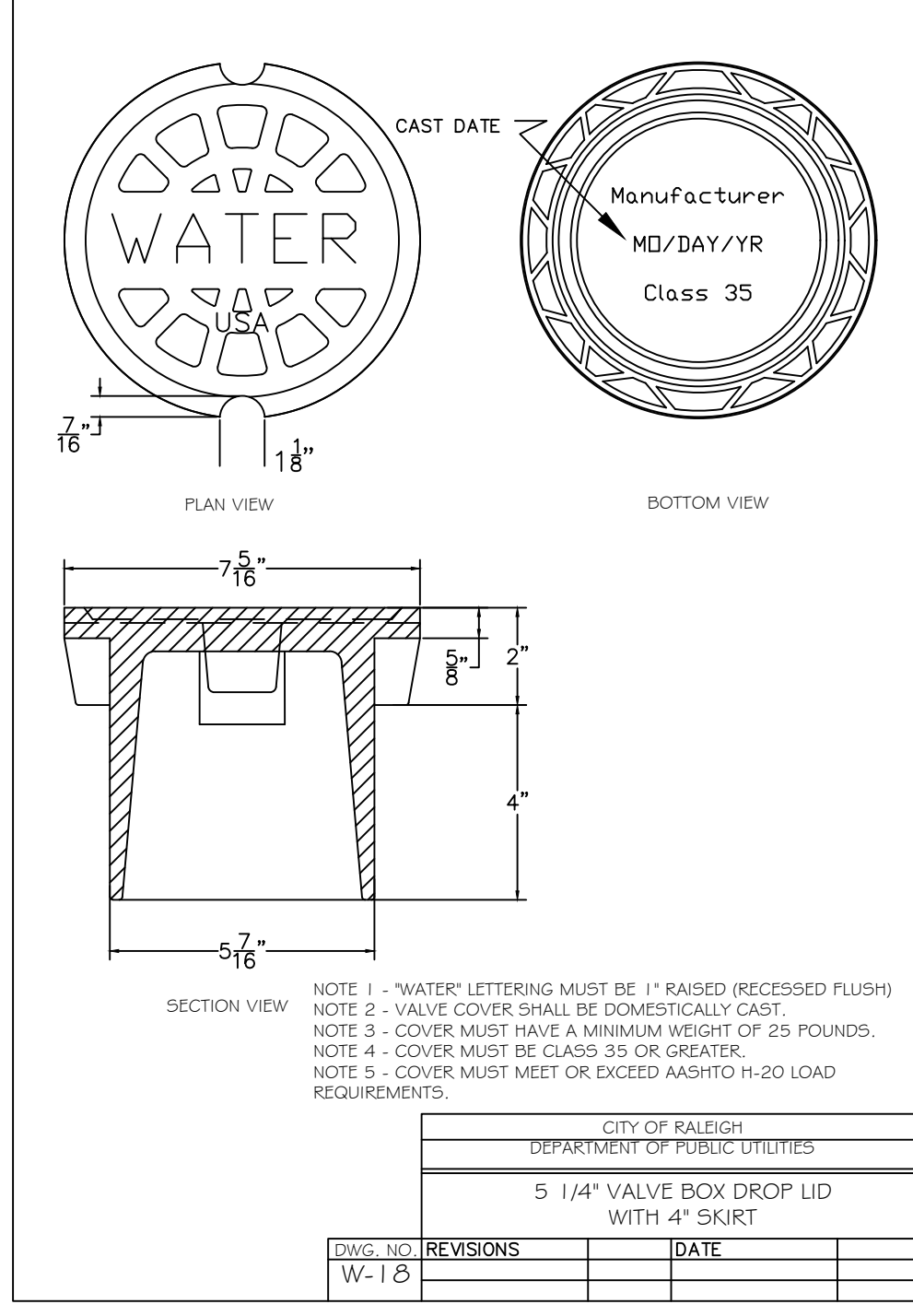
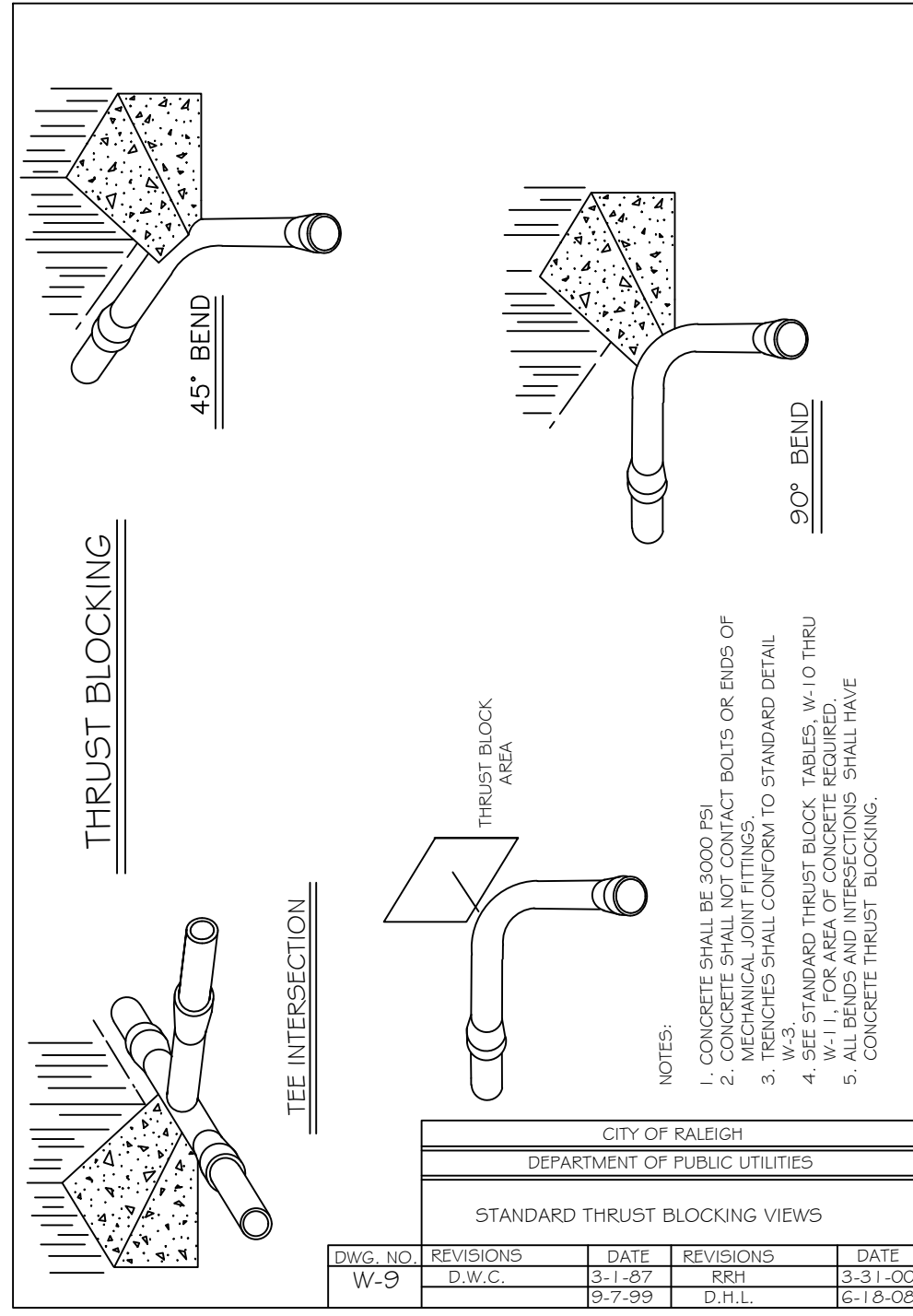
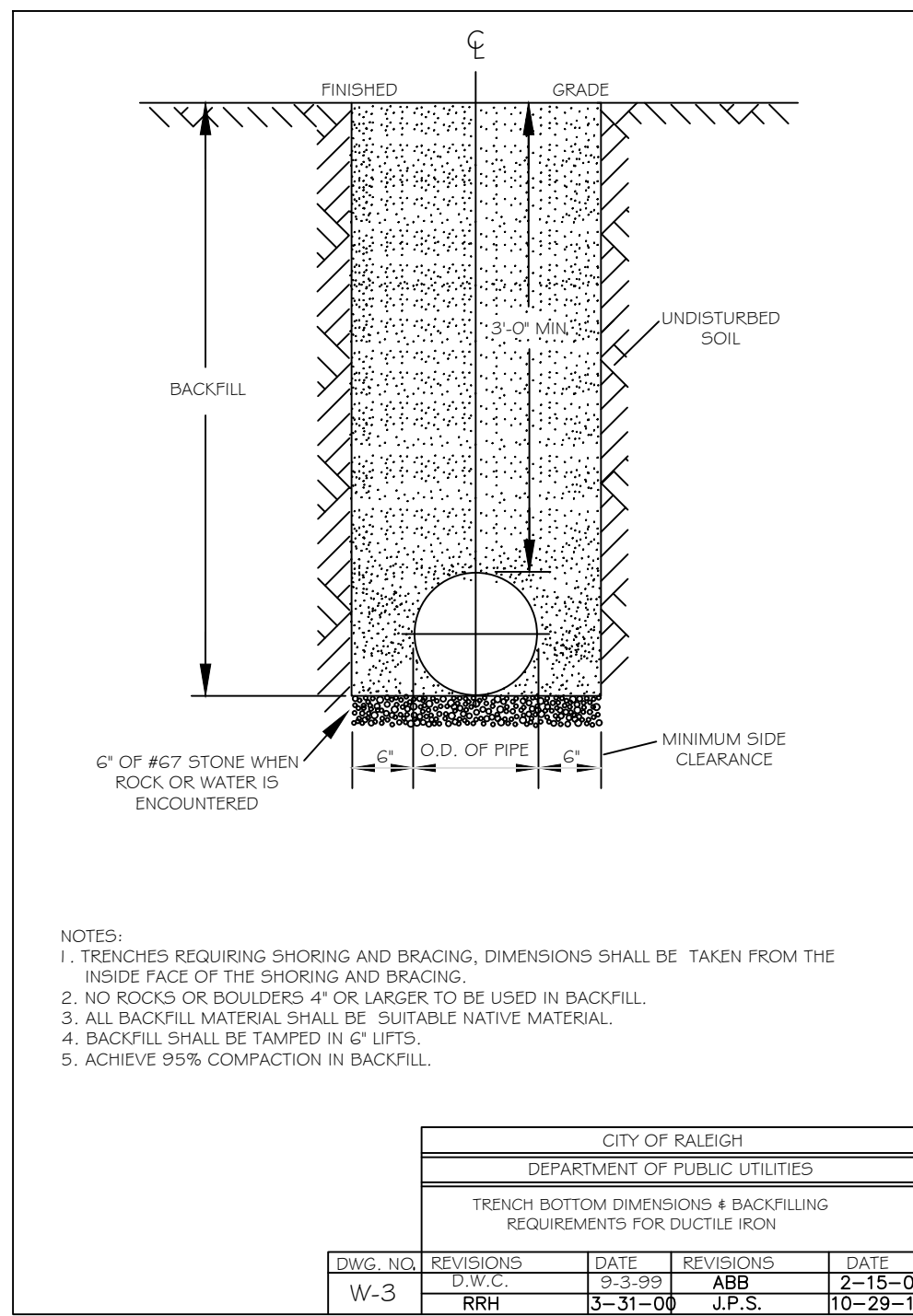
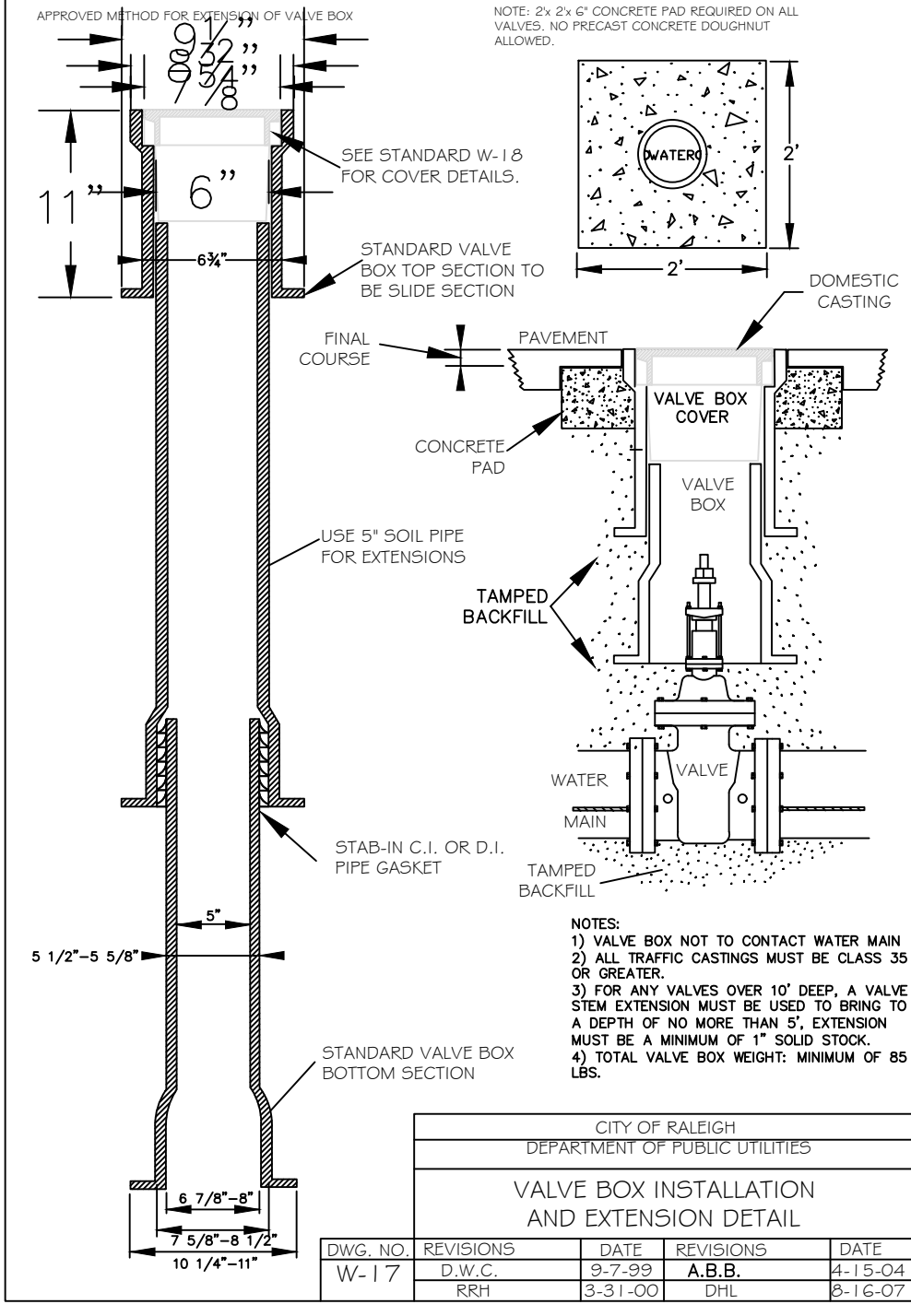
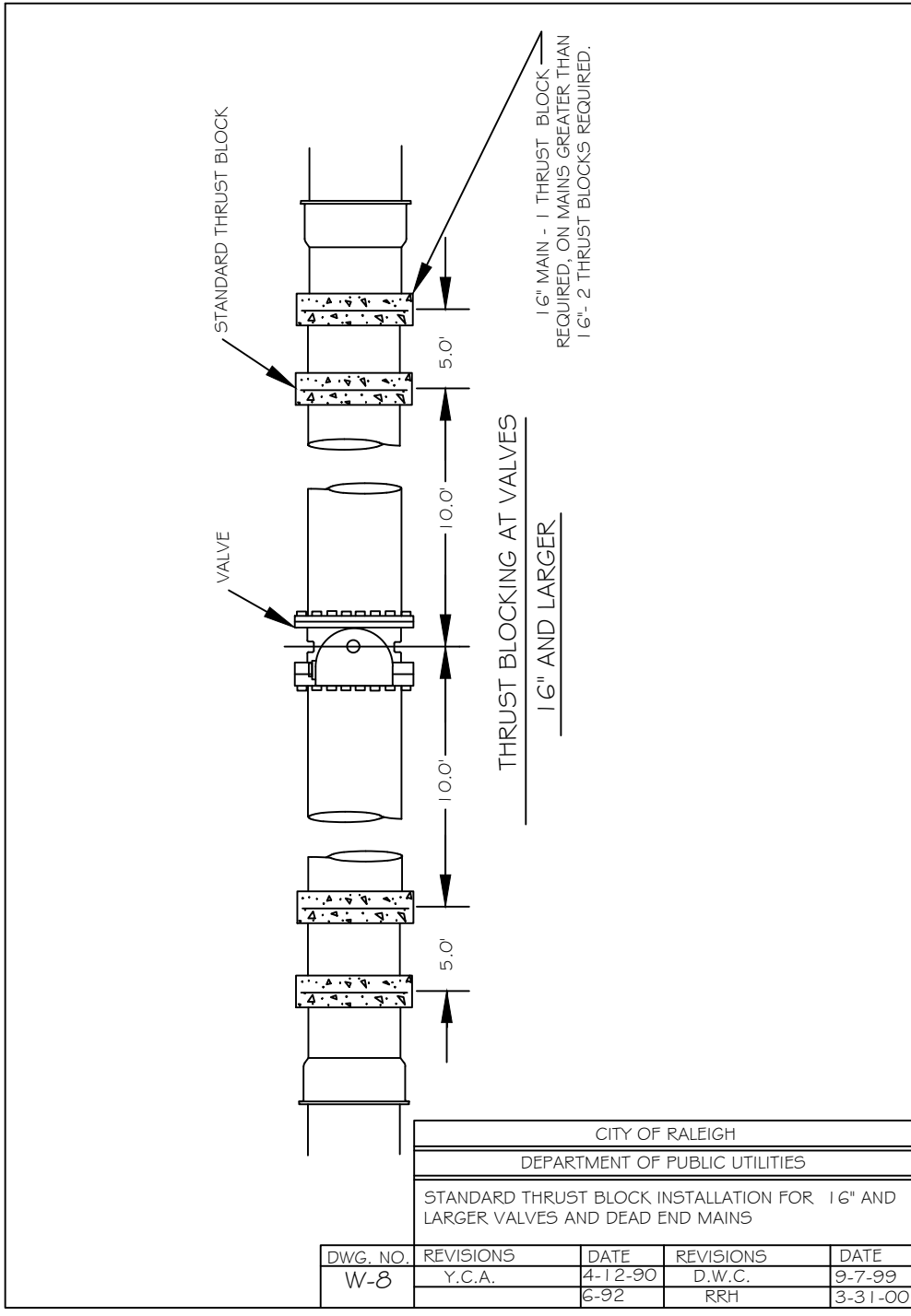
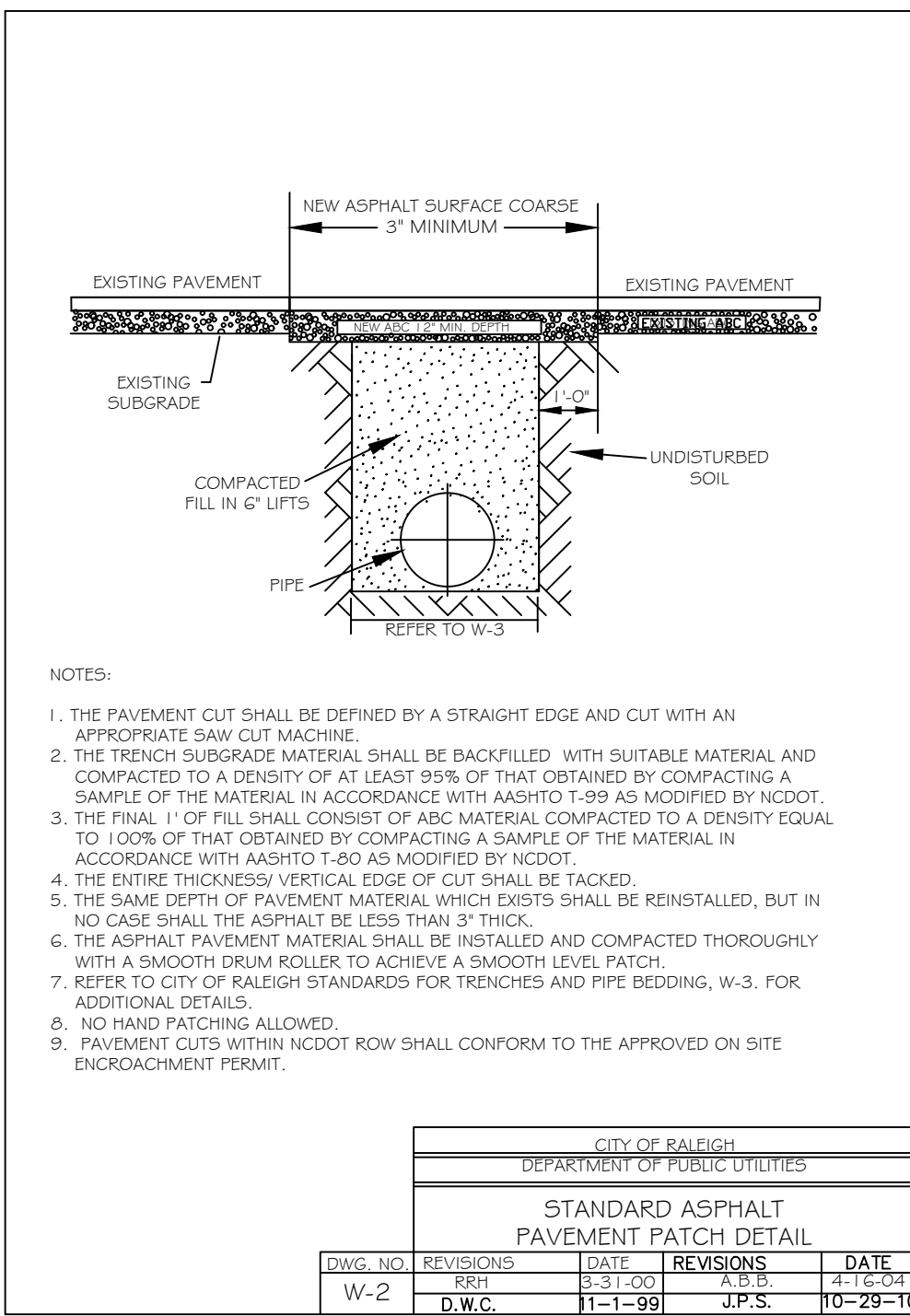
5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
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LENNAR
CORPORAION
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

SEWER DETAIL

PRELIMINARY
ENGINEER
FEDRA M. FERNANDEZ
NOT FOR CONSTRUCTION
FILE NUMBER:
8430-03
DATE: 10/02/2023
C8-5



Know what's below.
Call before you dig.

DESIGNED BY: DF/CD

DRAWN BY: DF/JWM

REVIEWED BY: DF

10/02/2023

08/01/2023

06/01/2023

PER TOWN OF ROLESVILLE COMMENT

PER TOWN OF ROLESVILLE COMMENT

INITIAL SUBMITTAL

5440 WADE PARK BLVD, SUITE 102

RALEIGH NC 27607

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CORPORAION

1100 PERIMETER PARK DRIVE, SUITE 112

MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE

82 SCHOOL STREET

ROLESVILLE / NORTH CAROLINA / 27571

WATER DETAIL (1 OF 2)

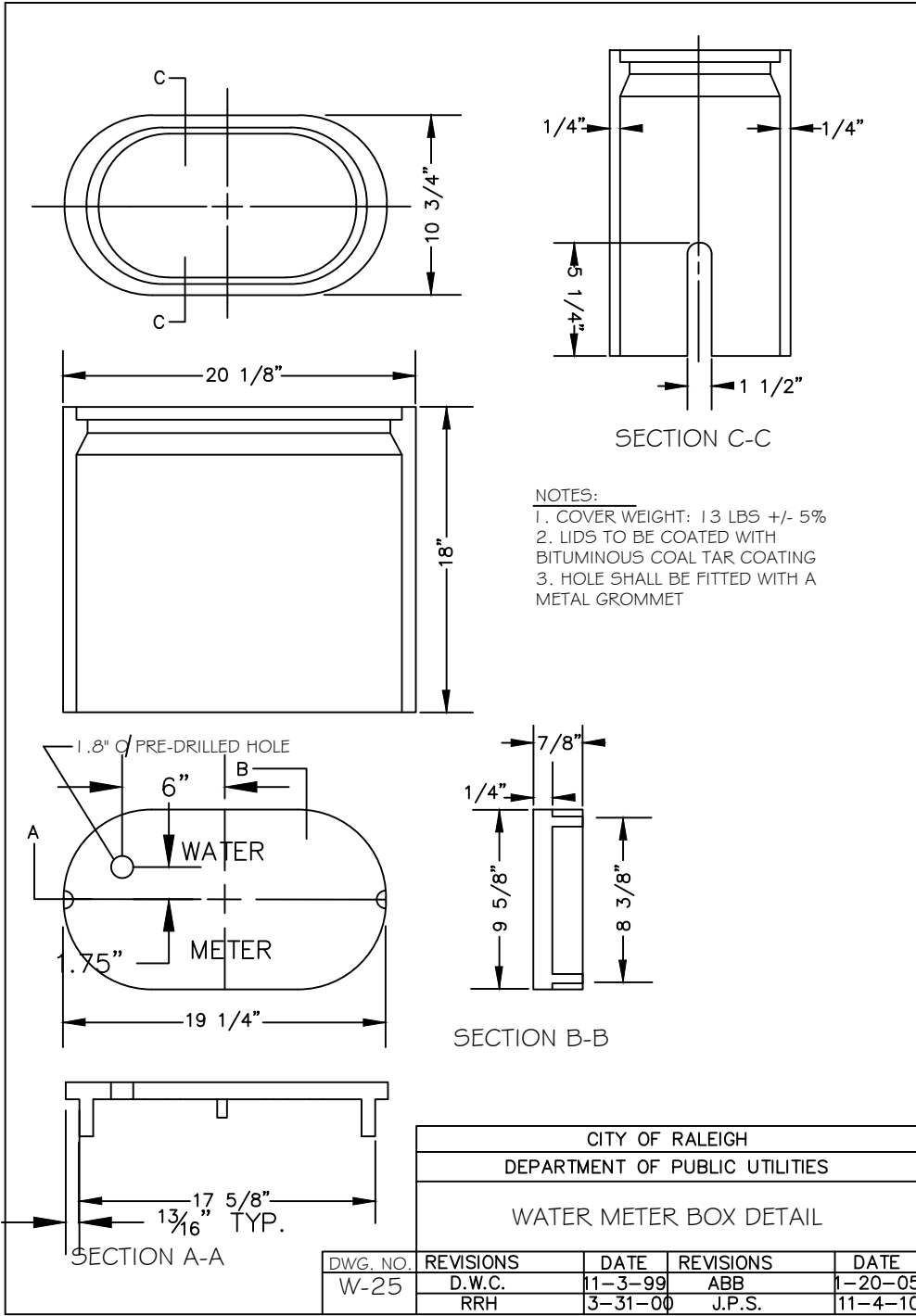
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NOT FOR CONSTRUCTION

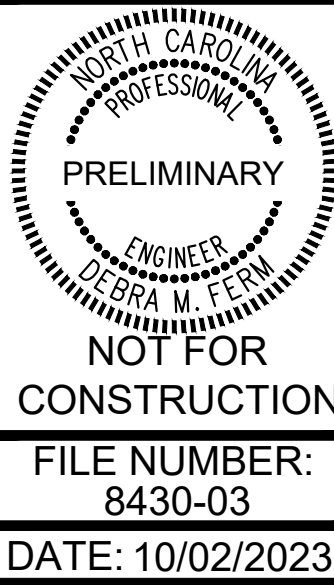
FILE NUMBER: 8430-03

DATE: 10/02/2023

C8-7



Know what's below.
Call before you dig.



WATER DETAIL (2 OF 2)

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

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

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5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
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NC LICENSE #C-4397 ©2023

DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

REV	DATE	DESCRIPTION
1	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
2	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
3	06/01/2023	INITIAL SUBMITTAL

RH DISTRICT OPEN SPACE CALCULATIONS		
RH DISTRICT AREA	27.50	AC
REQUIRED OPEN SPACE (15%)	4.13	AC
PROVIDED OPEN SPACE	10.97	AC
REQUIRED ACTIVE OPEN SPACE (50% OF OPEN SPACE)	2.06	AC
PROVIDED ACTIVE OPEN SPACE	2.13	AC
REQUIRED PASSIVE OPEN SPACE	2.06	AC
PROVIDED PASSIVE OPEN SPACE	8.84	AC
MAXIMUM NATURAL RESOURCE AREA ALLOWED (20% OF PASSIVE OPEN SPACE)	1.77	AC
NATURAL RESOURCE AREA INCLUDED	0.10	AC

	OPEN SPACE #	CATEGORY	TOTAL AREA (AC)	NATURAL RESOURCE AREA (AC)	SIZE CLASSIFICATION	TYPE	PROGRAM ELEMENTS
	4A	PASSIVE	0.59	0	SMALL	N/A	N/A
	4B	ACTIVE	0.7	0	SMALL	AMENITY CENTER	POOL/POOL HOUSE, LAWN GAMES
	5	PASSIVE	0.85	0	SMALL	N/A	N/A
	6	PASSIVE	1.12	0	MEDIUM	N/A	N/A
	7A	PASSIVE	6.28	0.1	LARGE	N/A	N/A
	7B	ACTIVE	0.26	0	SMALL	POCKET PARK	DOG PARK, BENCHES
	7C	ACTIVE	1.08	0	MEDIUM	NEIGHBORHOOD PARK	TOWN OF ROLESVILLE TO PROGRAM
	7D	ACTIVE	0.09	0	SMALL	POCKET PARK	TOT LOT, BENCHES



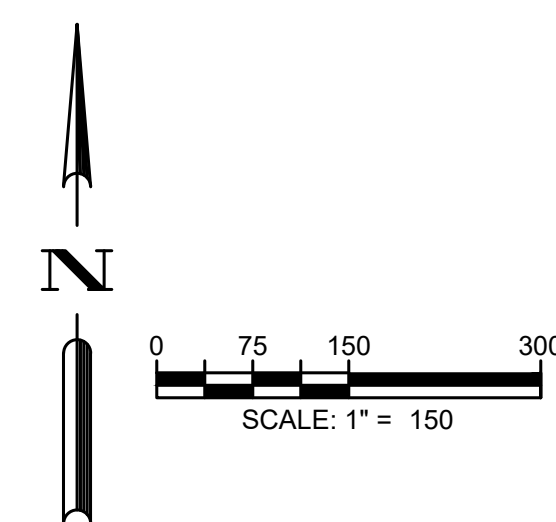
LEGEND

	NATURAL RESOURCE / SCM AREAS (NOT COUNTED TOWARD OPEN SPACE)
	PROPOSED FUTURE GREENWAY CONNECTION
	RM CLUSTER CONSERVATION EASEMENT (CONTAINS 24.98 CONTIGUOUS ACRES OF OPEN SPACE)
	PHASE LINES
	DISC GOLF HOLE
	TRASH RECEPTACLE
	BENCH (PUBLIC SEATING)
	BIKE RACK

RM CLUSTER CONSERVATION EASEMENT OPEN SPACE		
REQUIRED CLUSTER DEVELOPMENT OPEN SPACE (40%) (DEDICATED IN CONSERVATION EASEMENT)	23.16	AC
PROVIDED CLUSTER DEVELOPMENT OPEN SPACE (DEDICATED IN CONSERVATION EASEMENT)	24.98	AC

RM CLUSTER DISTRICT OPEN SPACE CALCULATIONS		
RM CLUSTER DISTRICT AREA	57.89	AC
REQUIRED TOTAL OPEN SPACE (12%)	6.95	AC
PROVIDED TOTAL OPEN SPACE	18.57	AC
REQUIRED ACTIVE OPEN SPACE (50% OF REQUIRED OPEN SPACE)	3.47	AC
PROVIDED ACTIVE OPEN SPACE	3.51	AC
REQUIRED PASSIVE OPEN SPACE	3.47	AC
PROVIDED PASSIVE OPEN SPACE	15.06	AC
MAXIMUM NATURAL RESOURCE AREA ALLOWED (20% OF PASSIVE OPEN SPACE)	3.01	AC
NATURAL RESOURCE AREA INCLUDED	0.04	AC
MAXIMUM STORM POND AREA ALLOWED (5% OF PASSIVE OPEN SPACE)	0.75	AC
STORM POND AREA INCLUDED	0.00	AC

	OPEN SPACE #	CATEGORY	TOTAL AREA (AC)	NATURAL RESOURCE AREA (AC)	SIZE CLASSIFICATION	TYPE	PROGRAM ELEMENTS
	1A	PASSIVE	12.62	0	LARGE	N/A	N/A
	1B	ACTIVE	2.4	0.04	MEDIUM	NEIGHBORHOOD PARK	DISC GOLF COURSE, OUTDOOR FITNESS
	2A	PASSIVE	0.53	0	SMALL	N/A	N/A
	2B	ACTIVE	0.28	0	SMALL	POCKET PARK	OUTDOOR FITNESS
	3A	PASSIVE	1.91	0	LARGE	N/A	N/A
	3B	ACTIVE	0.31	0	SMALL	POCKET PARK	LAWN GAMES
	3C	ACTIVE	0.52	0	SMALL	POCKET PARK	PLAYGROUND / TOT LOT



Know what's below.
Call before you dig.

<u>Δ</u>		
<u>Δ</u>		
<u>Δ</u>		
<u>Δ</u>	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
<u>Δ</u>	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
<u>Δ</u>	06/01/2023	INITIAL SUBMITTAL

DESIGNED BY: MC/R7

DRAWN BY: MC

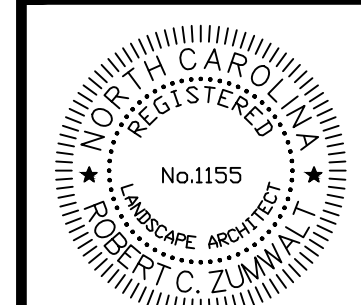
REVIEWED BY: RZ

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OPEN SPACE PLAN

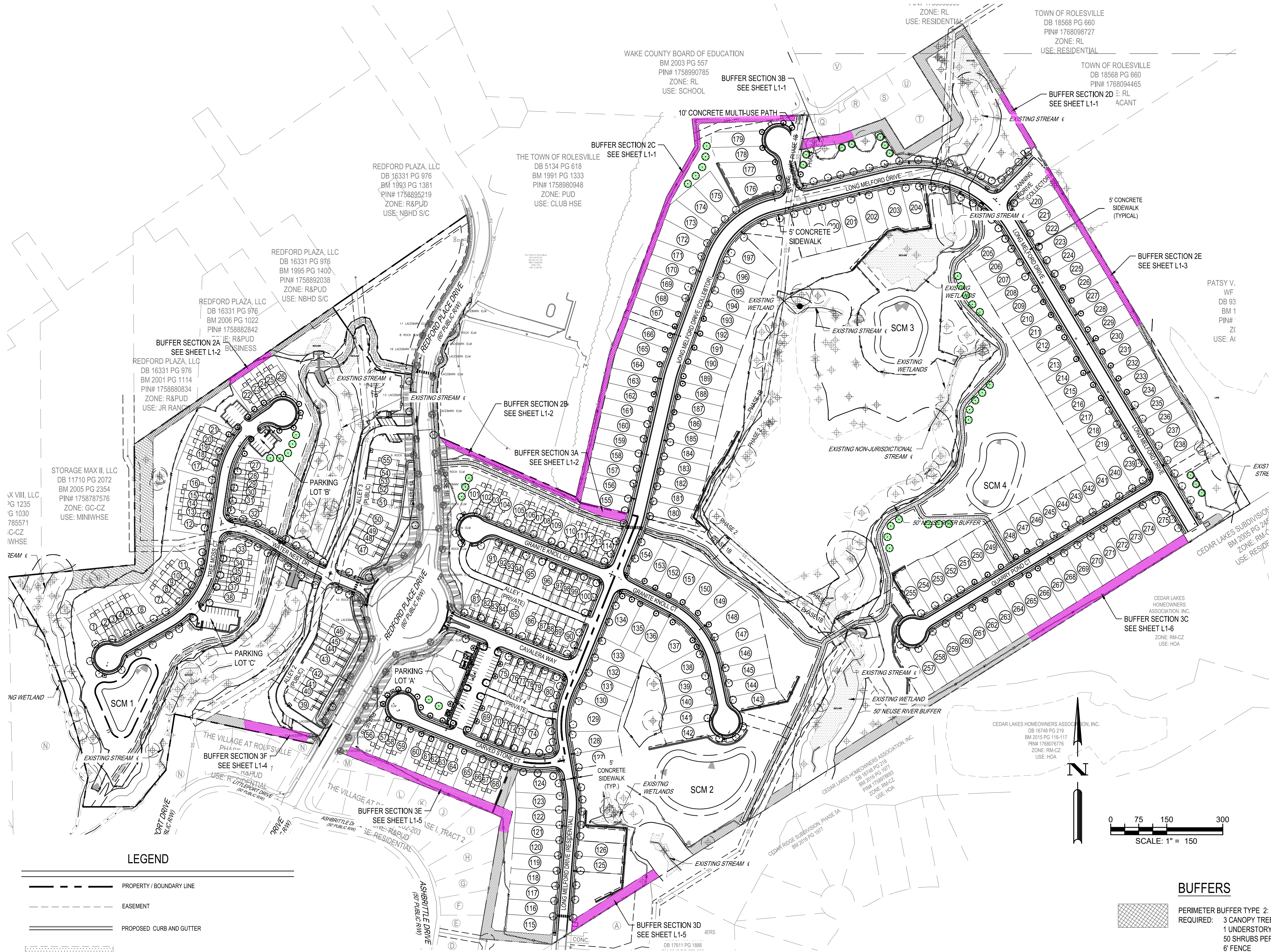


NOT FOR
CONSTRUCTION

FILE NUMBER:
8430-03

DATE: 10/02/2023

C9-0



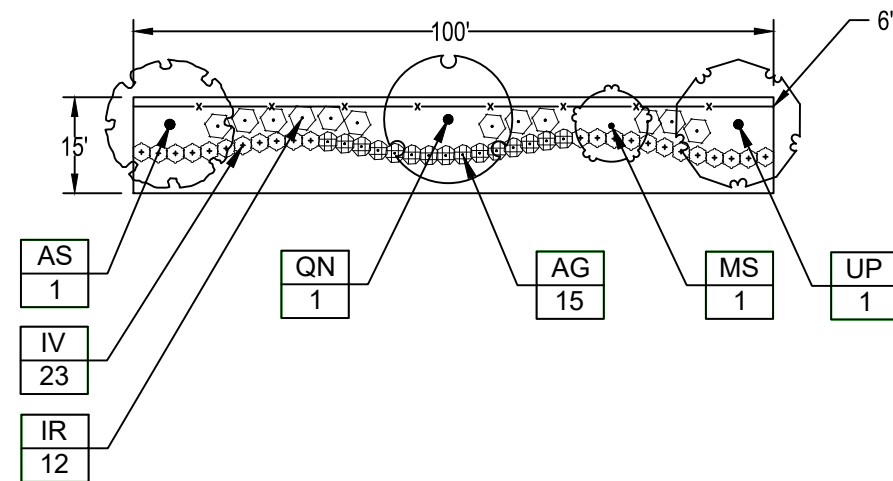
LEGEND

	PROPERTY / BOUNDARY LINE
	EASEMENT
	PROPOSED CURB AND GUTTER
	WETLANDS
	50' STREAM BUFFER
	TREE PROTECTION FENCE
	LIMIT OF CONSTRUCTION
	BUFFER SECTION TO BE PLANTED*
	EXISTING STREET TREE
	PRESERVED TREE WITH CRITICAL ROOT ZONE**

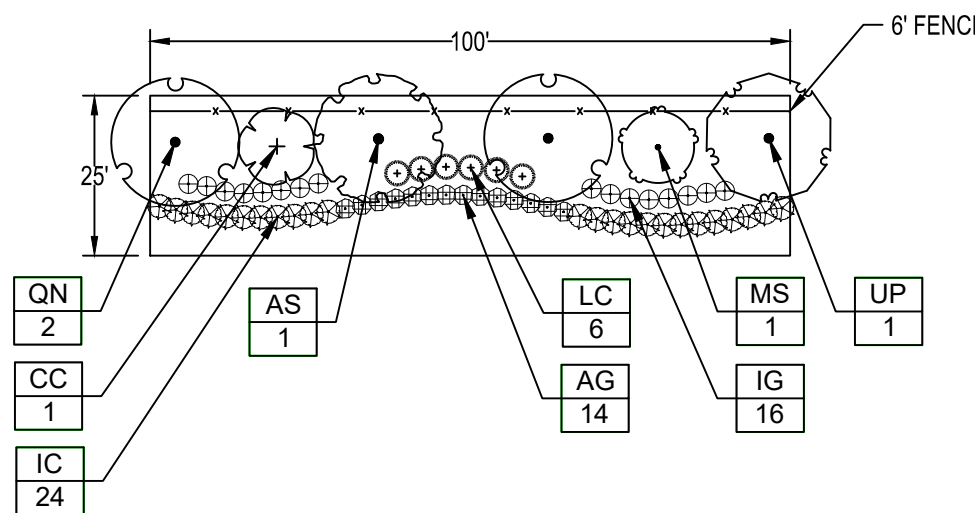
* BUFFER SECTION LACKING EXISTING VEGETATION OR DISTURBED BY GRADING. SEE ENLARGEMENT SHEETS FOR PLANT QUANTITIES.

** CRITICAL ROOT ZONE (1 FT FROM TREE TRUNK FOR EACH 1 INCH OF TREE DIAMETER) ROOT ZONES SHOWN ONLY FOR TREES NEAR EDGE OF CONSTRUCTION LIMIT / PROTECTION FENCING.

TYPICAL BUFFER SECTION: TYPE 2
SCALE: 1:30



TYPICAL BUFFER SECTION: TYPE 3
SCALE: 1:30



BUFFERS

	PERIMETER BUFFER TYPE 2: 15' WIDTH, 3,338 TOTAL LF REQUIRED: 3 CANOPY TREES PER 100 LF 1 UNDERSTORY TREE PER 100 LF 50 SHRUBS PER 100 LF 6' FENCE PROVIDED: SEE SHEET ENLARGEMENTS
	PERIMETER BUFFER TYPE 3: 25' WIDTH, 3,884 TOTAL LF REQUIRED: 4 CANOPY TREES PER 100 LF 2 UNDERSTORY TREES PER 100 LF 60 SHRUBS PER 100 LF 6' WALL (6' FENCE PER ZONING) PROVIDED: SEE SHEET ENLARGEMENTS
	PERIMETER BUFFER TYPE 4: 50' WIDTH, 517 TOTAL LF REQUIRED: 8 CANOPY TREES PER 100 LF 4 UNDERSTORY TREES PER 100 LF CONTINUOUS HEDGE 3' WALL + 5' BERM (6' FENCE PER ZONING) EX. VEGETATION TO SATISFY REQUIREMENT
	STREET BUFFER - REDFORD PLACE DRIVE (COLLECTOR): 20' WIDTH, 2,037 LF OF FRONTAGE REQUIRED: 1 STREET TREE EVERY 50 LF OF FRONTAGE 2,037 LF OF FRONTAGE / 50' = 41 TREES 9 CANOPY TREES 33 EXISTING CANOPY TREES TO COUNT TOWARD REQUIREMENT

STREET TREES

REQUIRED: 1 STREET TREE EVERY 40 LF OF FRONTAGE
CARVED STONE CT REQUIRED: 918 LF OF FRONTAGE / 40' = 23 TREES PROVIDED: 28 TREES
CALAVERA WAY REQUIRED: 554 LF OF FRONTAGE / 40' = 14 TREES PROVIDED: 14 TREES
GRANITE KNOLL CT REQUIRED: 1,722 LF OF FRONTAGE / 40' = 43 TREES PROVIDED: 46 TREES
STONE OVERLOOK REQUIRED: 292 LF OF FRONTAGE / 40' = 7 TREES PROVIDED: 7 TREES
WATER NEST DR REQUIRED: 704 LF OF FRONTAGE / 40' = 18 TREES PROVIDED: 18 TREES
TREE MOSS CT REQUIRED: 1,660 LF OF FRONTAGE / 40' = 41 TREES PROVIDED: 48 TREES
QUARRY POND CT REQUIRED: 1,528 LF OF FRONTAGE / 40' = 38 TREES PROVIDED: 39 TREES
ZANNING DRIVE REQUIRED: 264 LF OF FRONTAGE / 40' = 7 TREES PROVIDED: 7 TREES
LONG MELFORD DRIVE REQUIRED: 6,800 LF OF FRONTAGE / 40' = 170 TREES PROVIDED: 171 TREES

PARKING AREAS

PARKING LOT 'A' REQUIRED: PERIMETER SHRUBS 3' O.C. ROADWAY SCREENING 42 SHRUBS PROVIDED: 28 TREES
REQUIRED: 1 TREE / 150 SF OF PARKING ISLANDS 1,669 SF PARKING ISLANDS = 11 TREES PROVIDED: 12 TREES
PARKING LOT 'B' REQUIRED: PERIMETER SHRUBS 3' O.C. ROADWAY SCREENING 25 SHRUBS PROVIDED: 25 SHRUBS
PARKING LOT 'C' REQUIRED: PERIMETER SHRUBS 3' O.C. ROADWAY SCREENING 21 SHRUBS PROVIDED: 21 SHRUBS

PLANT SCHEDULE: BUFFERS

CANOPY TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL	HT
	AS	40	Acer saccharum	Sugar Maple	2" MIN.	8' MIN.
	QN	57	Quercus nuttallii	Nuttall Oak	2" MIN.	8' MIN.
	UP	40	Ulmus parvifolia	Lacebark Elm	2" MIN.	8' MIN.
UNDERSTORY TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL	HT
	CC	17	Cercis canadensis	Eastern Redbud	1" MIN.	8' MIN.
	MS	40	Magnolia stellata	Star Magnolia	1" MIN.	8' MIN.
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	HT	SPR
	AG	572	Abelia x grandiflora	Glossy Abelia	18-24"	18-24"
	IC	408	Ilex cornuta 'Burfordii Nana'	Dwarf Burford Holly	18-24"	18-24"
	IR	266	Ilex crenata 'Rotundifolia'	Japanese Holly	18-24"	18-24"
	IG	272	Ilex glabra	Inkberry Holly	18-24"	18-24"
	IV	512	Ilex vomitoria 'Nana'	Dwarf Yaupon	18-24"	18-24"
	LC	102	Loropetalum chinense	Chinese Fringe Flower	18-24"	18-24"

PLANT SCHEDULE: STREET TREES AND PARKING

CANOPY TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND
	AS	95	Acer saccharum	Sugar Maple	2" MIN.	8' MIN.
	KP	6	Koeleruteria paniculata	Golden Rain Tree	2" MIN.	8' MIN.
	PS	92	Pistacia chinensis	Chinese Pistache	2" MIN.	8' MIN.
	QF	10	Quercus falcata	Southern Red Oak	2" MIN.	8' MIN.
	QN	91	Quercus nuttallii	Nuttall Oak	2" MIN.	8' MIN.
	UP	66	Ulmus parvifolia	Lacebark Elm	2" MIN.	8' MIN.
	ZS	66	Zeakova serrata	Sawleaf Zeakova	2" MIN.	8' MIN.
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND
	AG	42	Abelia x grandiflora	Glossy Abelia	18-24"	18-24"
	IV	46	Ilex vomitoria 'Nana'	Dwarf Yaupon	18-24"	18-24"

REPLACEMENT TREES

CANOPY TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND
	AS	32	Acer saccharum	Sugar Maple	2" MIN.	8' MIN.
	QF	10	Quercus falcata	Southern Red Oak	2" MIN.	8' MIN.



PER TOWN OF ROLESVILLE COMMENT

10/02/2023

DESIGNED BY: DF/CD

DRAWN BY: DF/JWM

REVIEWED BY: DF

INITIAL SUBMITTAL

08/01/2023

REV

06/01/2023

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

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

PARKER RIDGE

82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

OVERALL LANDSCAPE PLAN

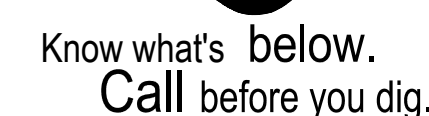
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ROBERT C. ZAMM
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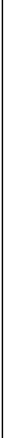
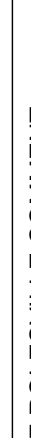
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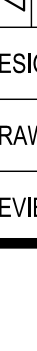
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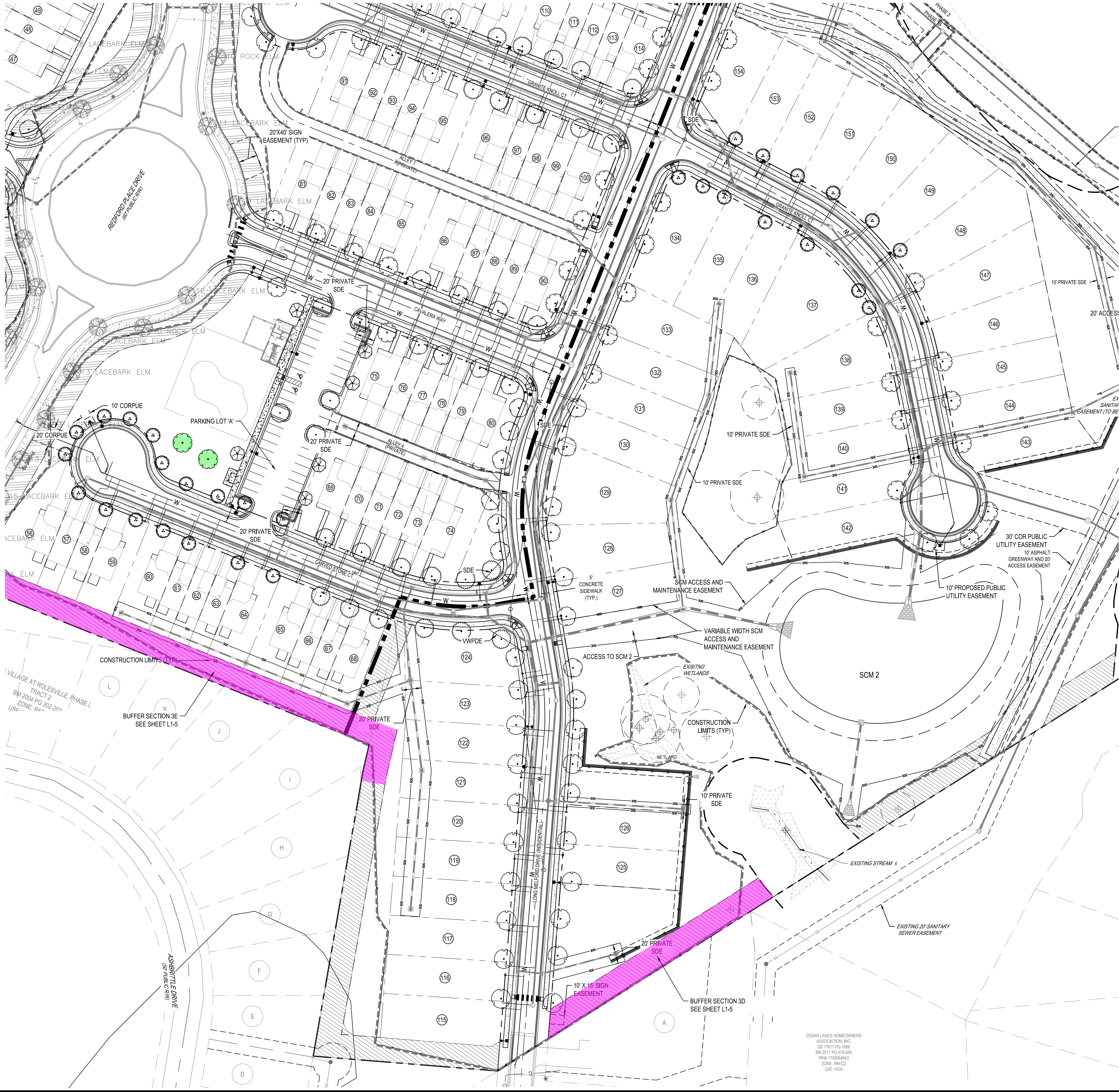
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	ENLARGED LANDSCAPE PLAN (1 OF 6)		PARKER RIDGE 82 SCHOOL STREET ROLESVILLE / NORTH CAROLINA / 27571		LENNAR CORPORAION 1100 PERMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560		BGE 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BGEINC.COM NC LICENSE #C-4397																																																																																																																																																			
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 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 BCE COMMERCIAL NC LICENSE PC-4387 ©2023	DESIGNED BY:	△/△		
	DRAWN BY:	△/△		
	REVIEWED BY:	△/△	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
		△/△	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
		REV	06/01/2023	INITIAL SUBMITTAL
L1-4				



BUFFER SECTION 3D: 265 LF	
CANOPY TREES	COMMON NAME
3	Sugar Maple
5	Nuttall Oak
3	Lacebark Elm

UNDERSTORY TREES	
3	Eastern Redbud
3	Star Magnolia

SHRUBS	
37	Glossy Abelia
64	Dwarf Burford Holly
42	Inkberry Holly
16	Chinese Fringe Flower

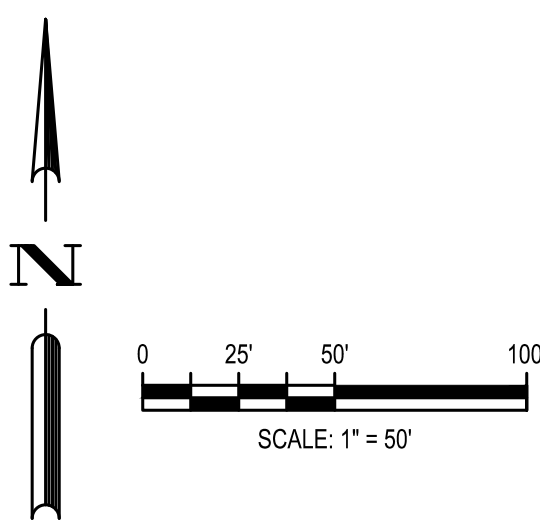
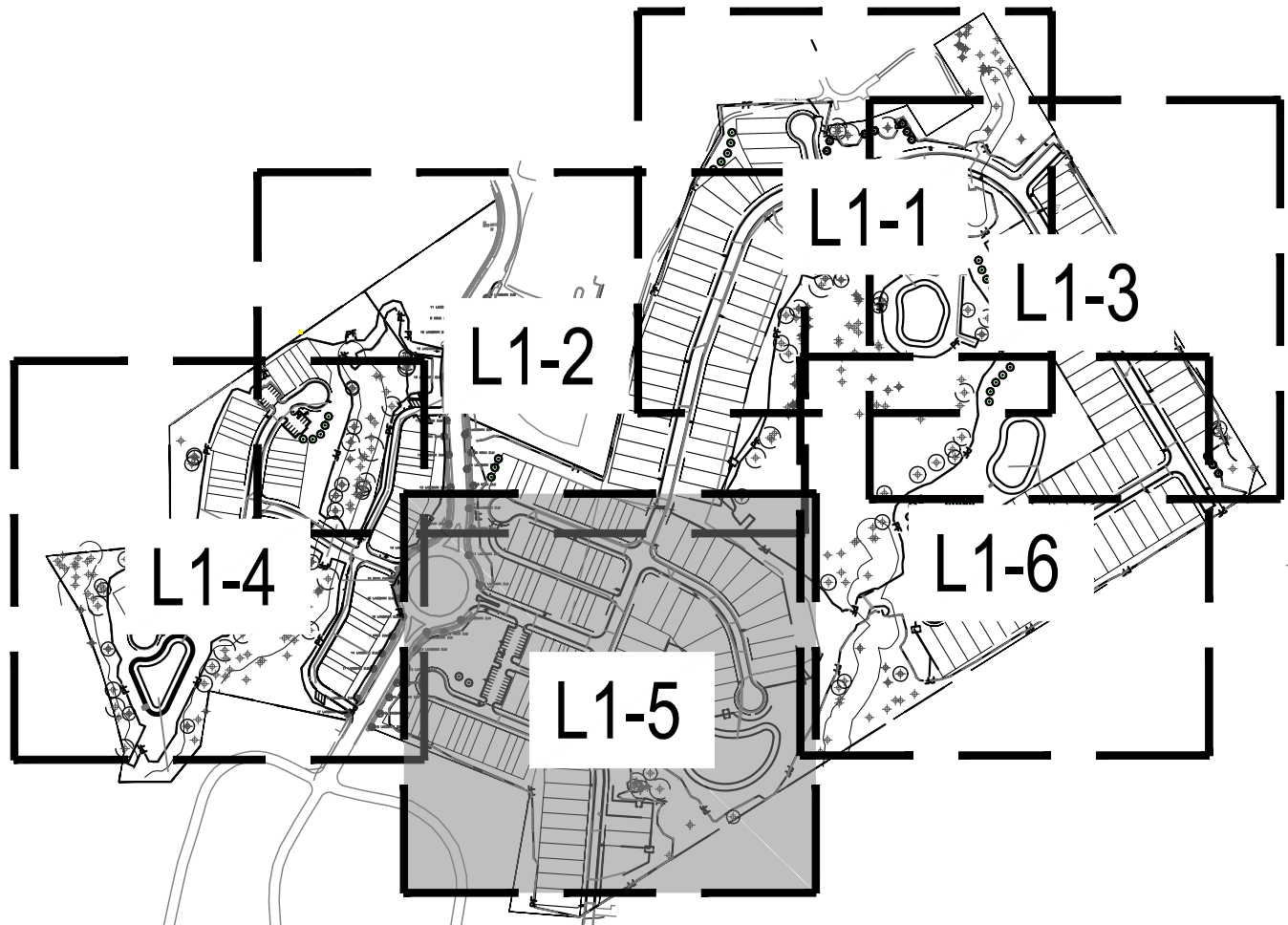
BUFFER SECTION 3E: 506 LF	
CANOPY TREES	COMMON NAME
5	Sugar Maple
10	Nuttall Oak
5	Lacebark Elm

UNDERSTORY TREES	
5	Eastern Redbud
5	Star Magnolia

SHRUBS	
71	Glossy Abelia
121	Dwarf Burford Holly
81	Inkberry Holly
30	Chinese Fringe Flower

PLANT KEY	
CANOPY TREES	COMMON NAME
	Sugar Maple
	Golden Rain Tree
	Chinese Pistache
	Nuttall Oak
	Lacebark Elm
	Sawleaf Zelkova
SHRUBS	COMMON NAME
	Glossy Abelia
	Dwarf Yaupon

LANDSCAPE BUFFERS	
	PERIMETER BUFFER TYPE 2 (15' WIDTH)
	PERIMETER BUFFER TYPE 3 (25' WIDTH)
	PERIMETER BUFFER TYPE 4 (50' WIDTH)
	STREET BUFFER (20' WIDTH)



DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

PER TOWN OF ROLESVILLE COMMENT
10/02/2023
PER TOWN OF ROLESVILLE COMMENT
08/01/2023
INITIAL SUBMITTAL
06/01/2023
REV

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NC LICENSE #C-4397

PARKER RIDGE

82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED LANDSCAPE
PLAN (5 OF 6)

NOT FOR
CONSTRUCTION

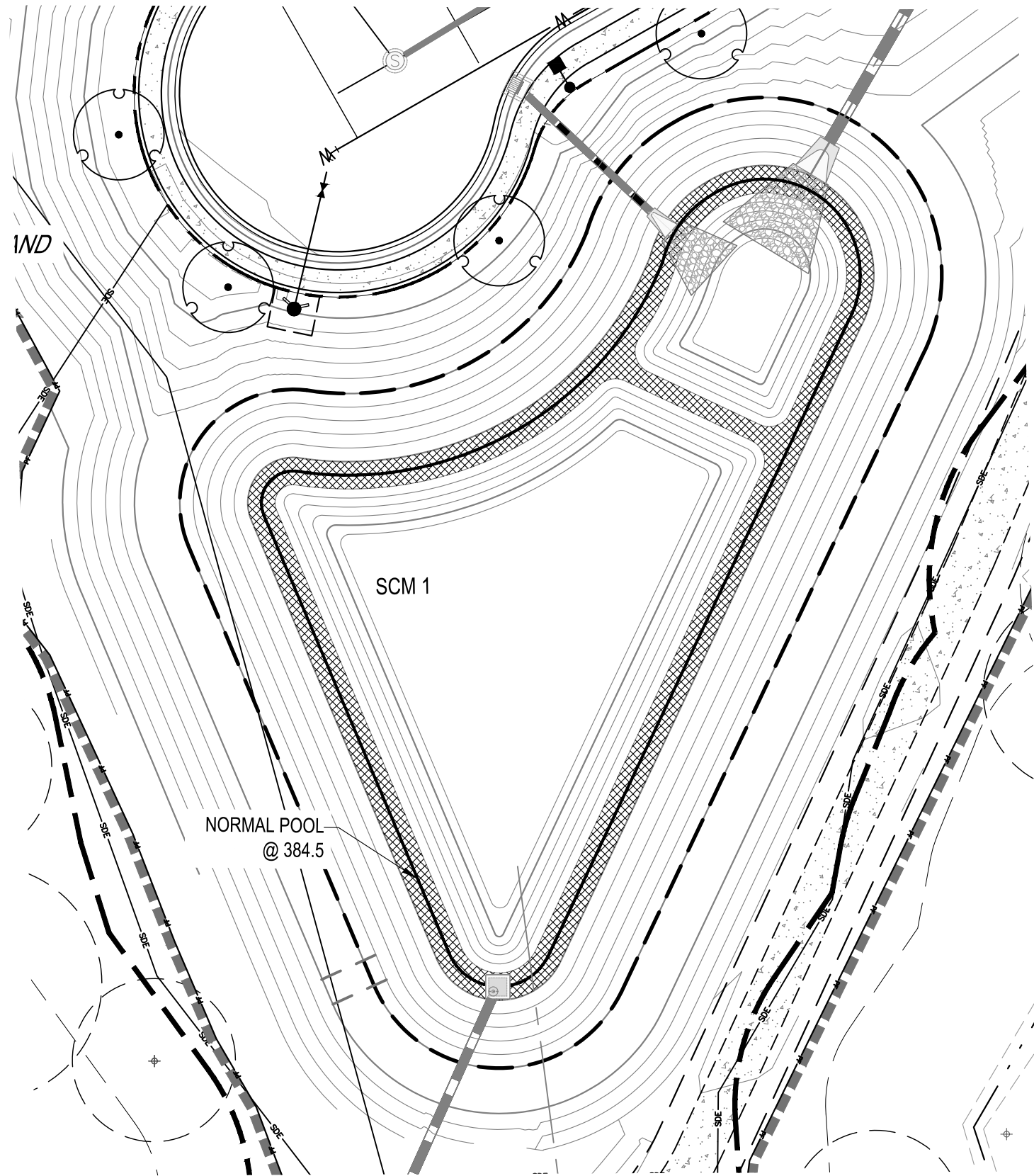
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8430-03

DATE: 10/02/2023

No.1155
REGISTERED
PROFESSIONAL LANDSCAPE ARCHITECT
STATE OF NORTH CAROLINA

L1-5

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SCM 1 PLANTING CALCULATIONS

NORMAL POOL ELEVATION: 384.5'

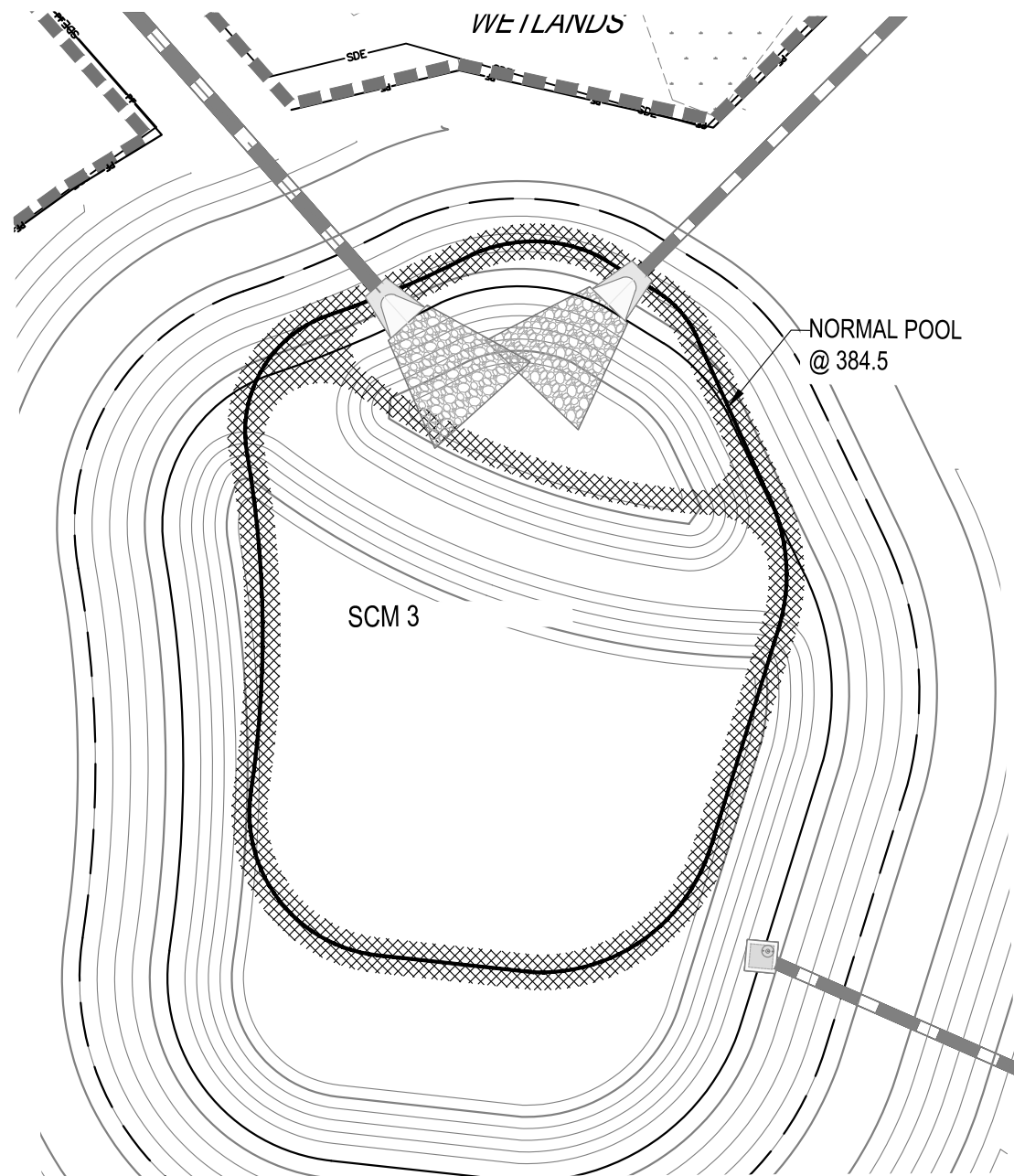
VEGETATED SHELF: 3,065 S.F. (0.5' BELOW TO 0.5' ABOVE PERMANENT POND ELEV.)

REQUIRED: .25 PLANTS PER SQUARE FOOT
(3 MINIMUM HERBACEOUS SPECIES)
0.25 PLANTS x 3,065 SF = 766 PLANTS
PROVIDED: (255) HC, (255) LC, (255) CT

SCM 1 PLANTING SCHEDULE

KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	CONT.
HC	255	HIBISCUS COCCINEUS	SCARLET ROSE MALLOW	24"Ø x 5" PLUG
LC	255	LOBELIA CARDINALIS	CARDINAL FLOWER	24"Ø x 5" PLUG
CT	255	CAREX TENERA	QUILL SEDGE	24"Ø x 5" PLUG

VEGETATED SHELF MIX



SCM 3 PLANTING CALCULATIONS

NORMAL POOL ELEVATION: 384.5'

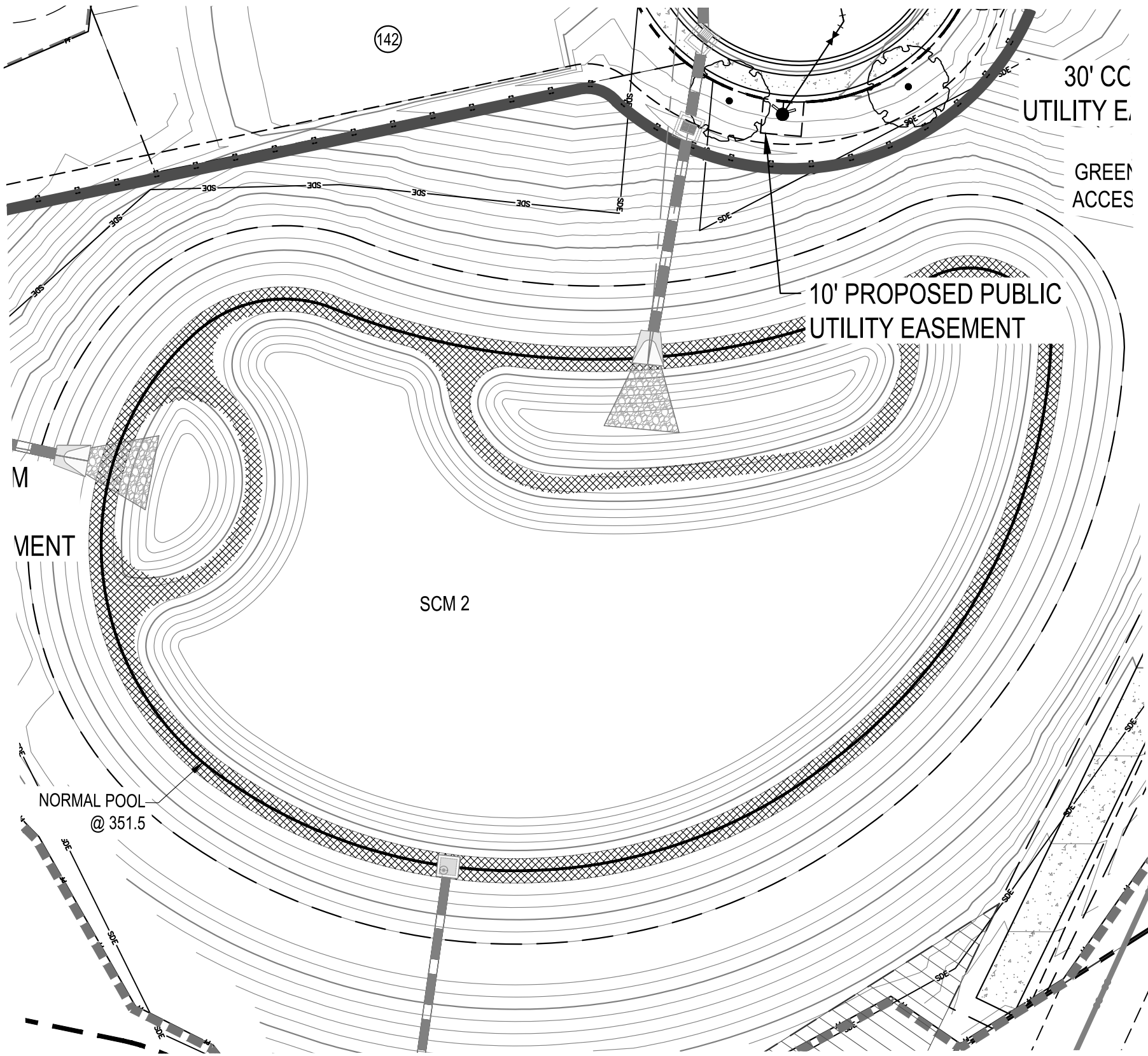
VEGETATED SHELF: 2,574 S.F. (0.5' BELOW TO 0.5' ABOVE PERMANENT POND ELEV.)

REQUIRED: .25 PLANTS PER SQUARE FOOT
(3 MINIMUM HERBACEOUS SPECIES)
0.25 PLANTS x 2,574 SF = 644 PLANTS
PROVIDED: (215) HC, (215) LC, (215) CT

SCM 3 PLANTING SCHEDULE

KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	CON.
HC	215	HIBISCUS COCCINEUS	SCARLET ROSE MALLOW	24"Ø x 5" PLUG
LC	215	LOBELIA CARDINALIS	CARDINAL FLOWER	24"Ø x 5" PLUG
CT	215	CAREX TENERA	QUILL SEDGE	24"Ø x 5" PLUG

VEGETATED SHELF MIX



SCM 2 PLANTING CALCULATIONS

NORMAL POOL ELEVATION: 351.5'

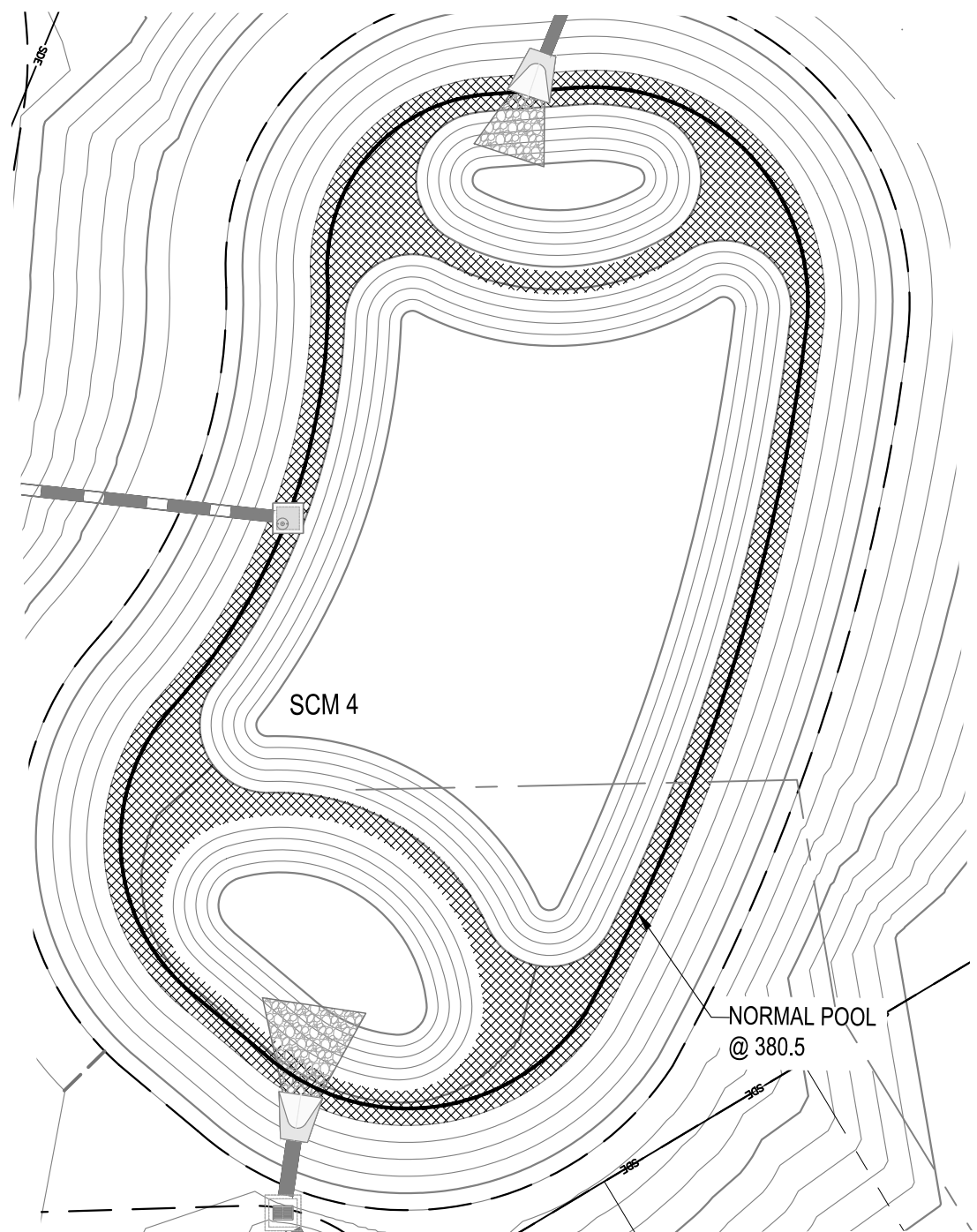
VEGETATED SHELF: 5,108 S.F. (0.5' BELOW TO 0.5' ABOVE PERMANENT POND ELEV.)

REQUIRED: .25 PLANTS PER SQUARE FOOT
(3 MINIMUM HERBACEOUS SPECIES)
0.25 PLANTS x 5,108 SF = 1,277 PLANTS
PROVIDED: (426) HC, (426) LC, (426) CT

SCM 2 PLANTING SCHEDULE

KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	CON.
HC	426	HIBISCUS COCCINEUS	SCARLET ROSE MALLOW	24"Ø x 5" PLUG
LC	426	LOBELIA CARDINALIS	CARDINAL FLOWER	24"Ø x 5" PLUG
CT	426	CAREX TENERA	QUILL SEDGE	24"Ø x 5" PLUG

VEGETATED SHELF MIX



SCM 4 PLANTING CALCULATIONS

NORMAL POOL ELEVATION: 380.5'

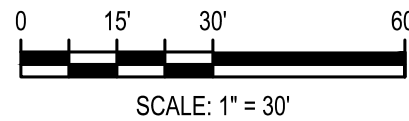
VEGETATED SHELF: 4,398 S.F. (0.5' BELOW TO 0.5' ABOVE PERMANENT POND ELEV.)

REQUIRED: .25 PLANTS PER SQUARE FOOT
(3 MINIMUM HERBACEOUS SPECIES)
0.25 PLANTS x 4,398 SF = 1,100 PLANTS
PROVIDED: (367) HC, (367) LC, (367) CT

SCM 4 PLANTING SCHEDULE

KEY	QTY.	SCIENTIFIC NAME	COMMON NAME	CON.
HC	367	HIBISCUS COCCINEUS	SCARLET ROSE MALLOW	24"Ø x 5" PLUG
LC	367	LOBELIA CARDINALIS	CARDINAL FLOWER	24"Ø x 5" PLUG
CT	367	CAREX TENERA	QUILL SEDGE	24"Ø x 5" PLUG

VEGETATED SHELF MIX



NOTES:
TREES AND WOODY SHRUBS ARE NOT PERMITTED ON THE DAM OR EMBANKMENT SLOPES AND ANY VOLUNTEERS SHOULD BE REMOVED AS PART OF REGULAR MAINTENANCE ACTIVITIES.
TREES AND SHRUBS MAY BE PLANTED OUTSIDE OF EMBANKMENT SLOPES AND CLEAR FROM MAINTENANCE EASEMENT.



Know what's below.
Call before you dig.

PER TOWN OF ROLESVILLE COMMENT
10/02/2023
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PER TOWN OF ROLESVILLE COMMENT
08/01/2023
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DESIGNED BY: DF/CD

DRAWN BY: DF/JWM

REVIEWED BY: DF

BCE

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PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

SCM PLANTINGS

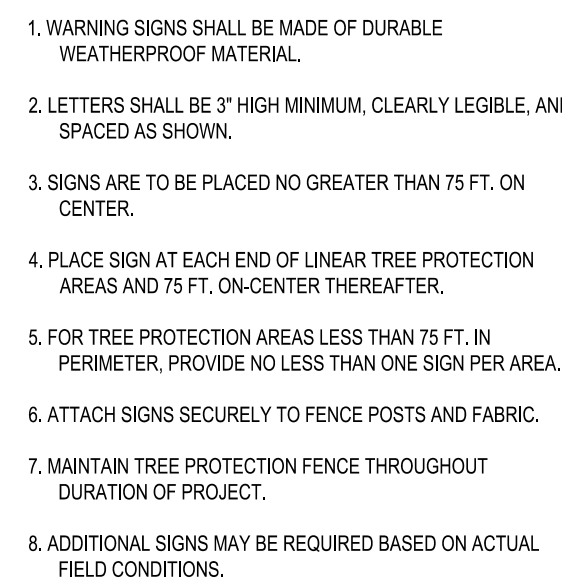
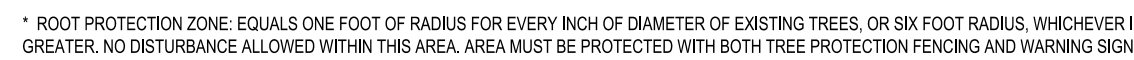
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FILE NUMBER:
8430-03

DATE: 10/02/2023

L1-7

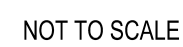
SEAL
026892
ENGINEER
ALEXANDER M. FERNANDEZ
NORTH CAROLINA PROFESSIONAL



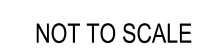
TREE PROTECTION FENCE DETAIL



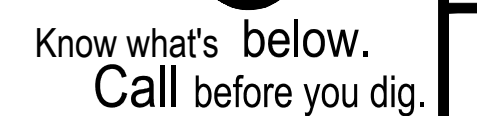
TREE PLANTING (FOR SINGLE AND MULTI - STEM TREES)



SHRUB PLANTING BED DETAIL



ROOT FLARE DEPTHS DETAIL
(TREE ROOT BALL CONDITION ON TREES FROM SUPPLIERS)



	PROPERTY / BOUNDARY LINE
	EASEMENT
	PROPOSED CURB AND GUTTER
	WETLANDS
	50' STREAM BUFFER
	TREE PROTECTION FENCE
	LIMIT OF CONSTRUCTION
	EXISTING TREE CANOPY
	PROPOSED TREE CONSERVATION AREA



EXISTING STREET TREE

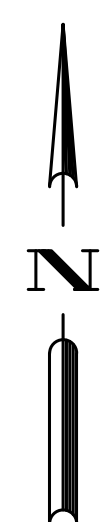


PRESERVED TREE WITH CRITICAL ROOT ZONE*

*NOTE: CRITICAL ROOT ZONE (1 FT FROM TREE TRUNK FOR EACH 1 INCH OF TREE DIAMETER)
ROOT ZONES SHOWN ONLY FOR TREES NEAR EDGE OF CONSTRUCTION LIMIT / PROTECTION FENCING.

EXISTING TREE CANOPY AREA	71.73 AC
TREE CONSERVATION AREA REQUIRED (10% OF EXISTING TREE CANOPY AREA)	7.17 AC
TREE CONSERVATION AREA PROVIDED	18.68 AC (26.04%)

QUALIFYING TREE REMOVED	DBH	REPLACEMENT
SWEET GUM	20 IN.	10 TREES X 2" CAL. = 20 IN.
SWEET GUM	20 IN.	10 TREES X 2" CAL. = 20 IN.
SWEET GUM	21 IN.	11 TREES X 2" CAL. = 22 IN.
RED OAK	19 IN.	10 TREES X 2" CAL. = 20 IN.



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NOT FOR
CONSTRUCTION

FILE NUMBER:
8430-03

DATE: 10/02/2023

L3-0

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CORPORAION**
PERIMETER PARK DRIVE, SUITE
DORISVILLE / NORTH CAROLINA / 27

PARKER RIDGE
82 SCHOOL STREET

82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

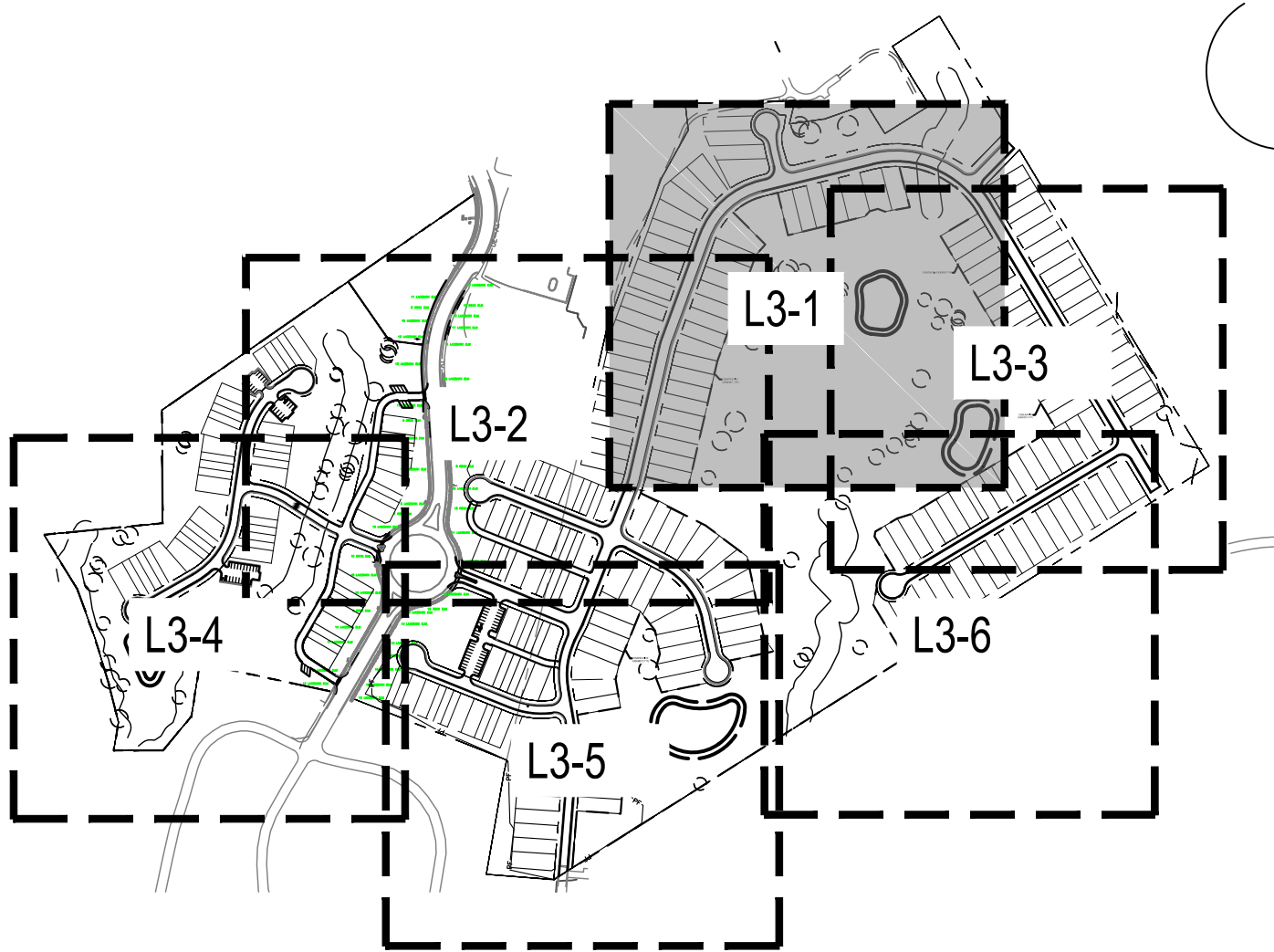
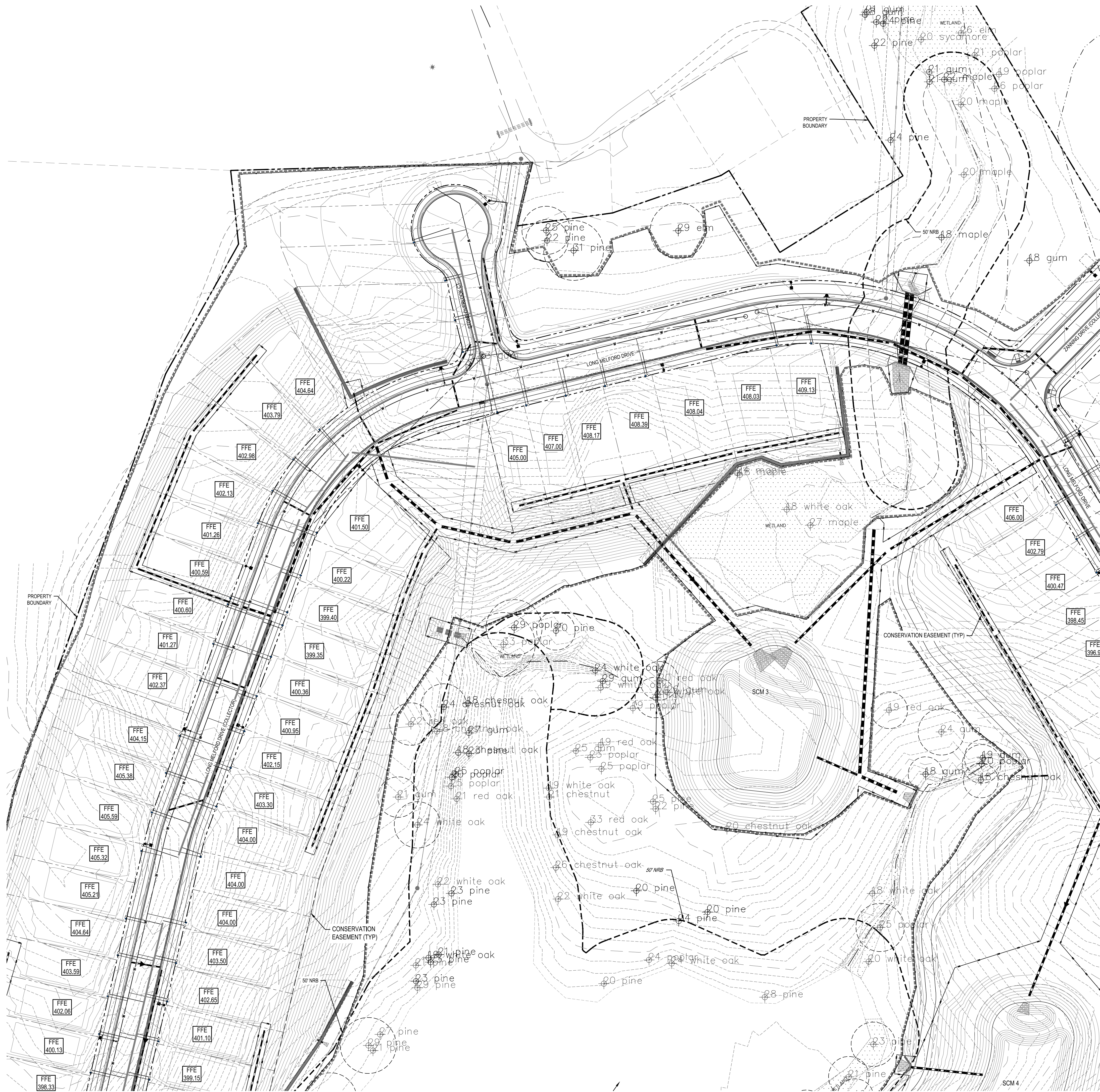
1100 PERIMETER PARK DRIVE, SUITE 112
MORRISVILLE / NORTH CAROLINA / 27560

1100 PERIMETER PARK DRIVE, SUITE 112
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DESIGNED BY:	DF/CD	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
DRAWN BY:	DF/JWM	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REVIEWED BY:	DF	06/01/2023	INITIAL SUBMITTAL

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MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED TCA PLAN
(1 OF 6)



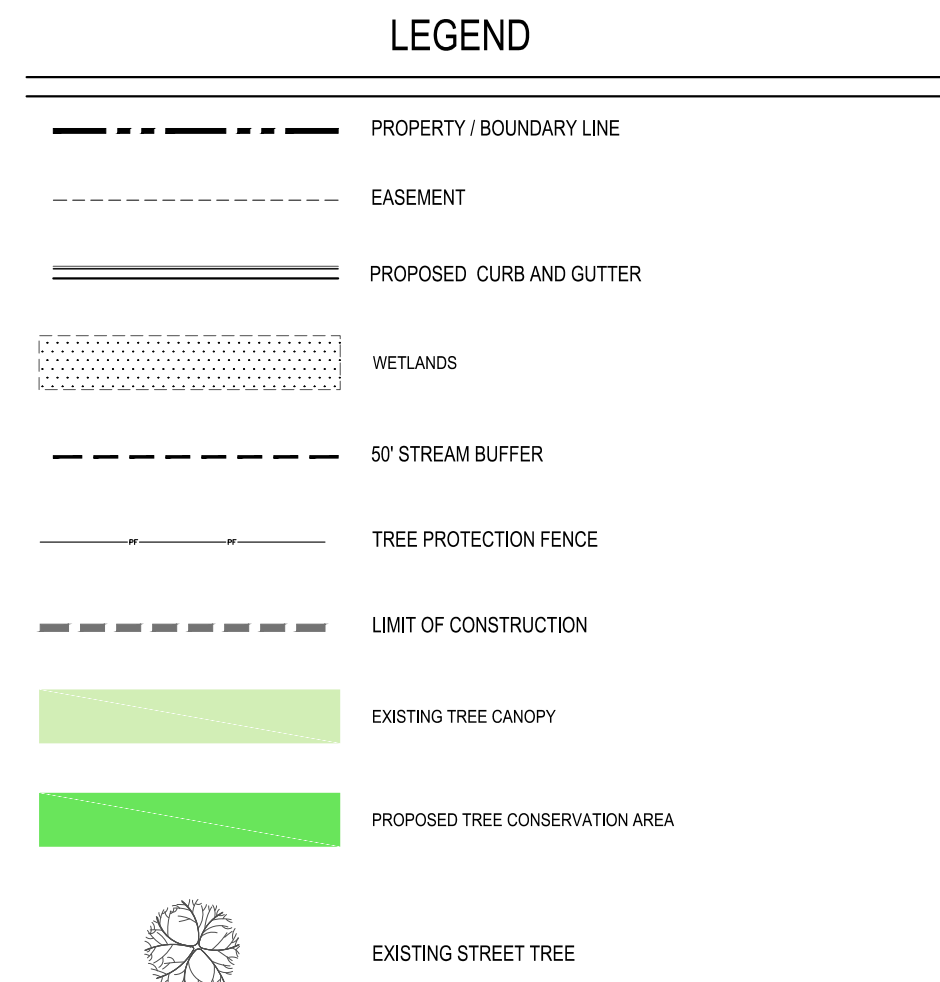
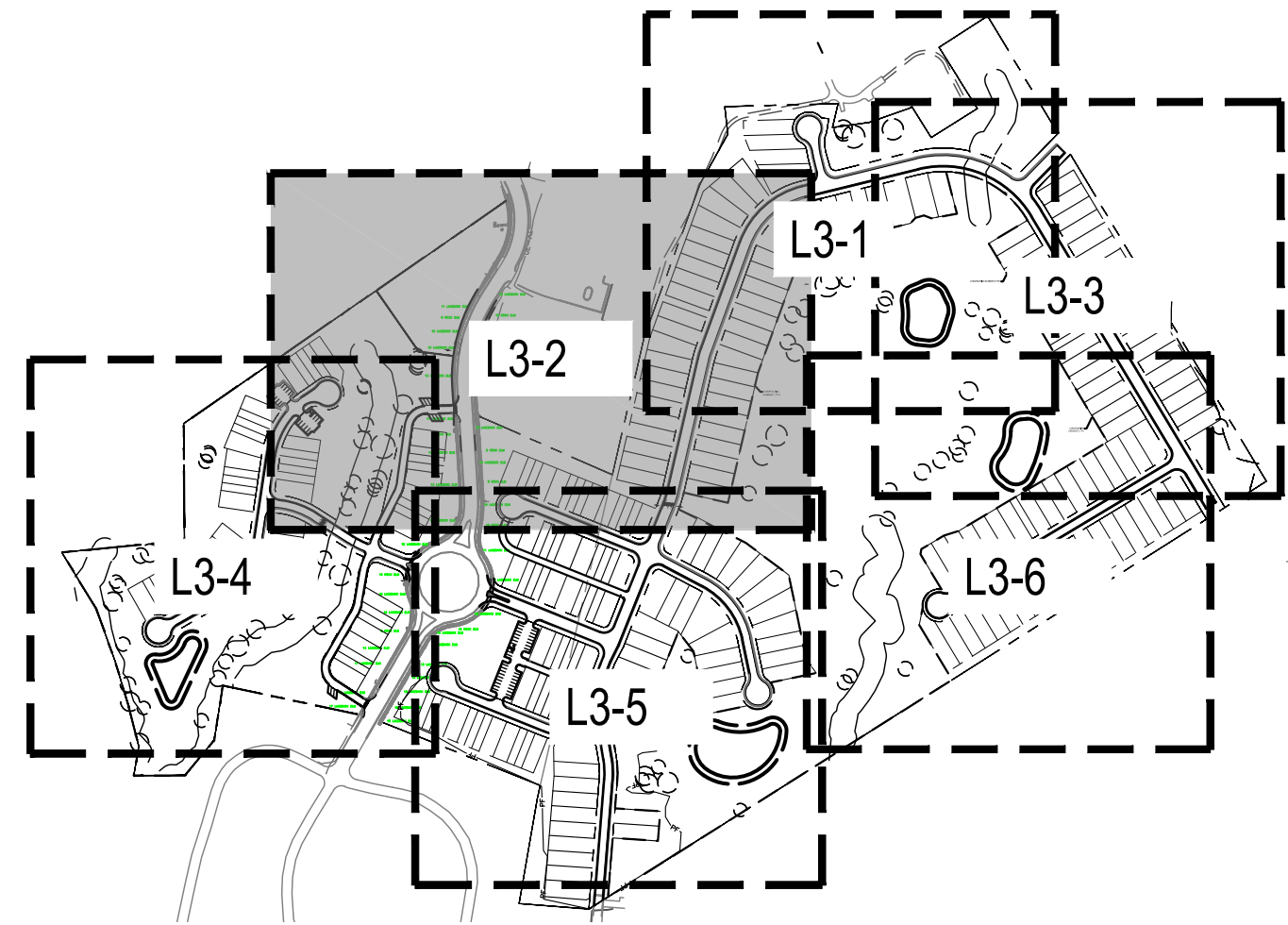
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 FILE NUMBER: 8430-03

 DATE: 10/02/2023

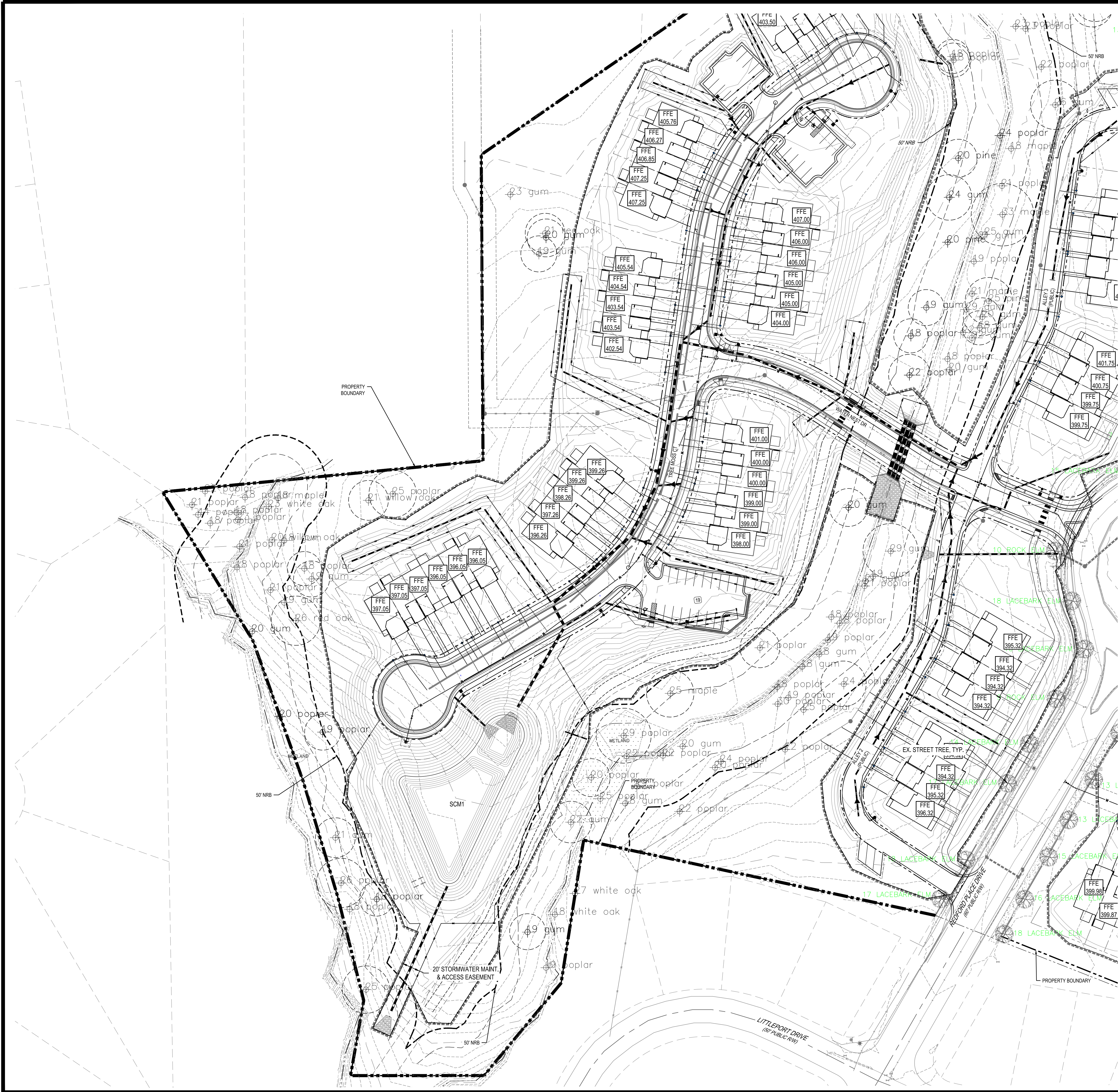
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DESIGNED BY: DF/CD		10/02/2023		PER TOWN OF ROLESVILLE COMMENT	
DRAWN BY: DF/JWM		08/01/2023		PER TOWN OF ROLESVILLE COMMENT	
REVIEWED BY: DF		06/01/2023		INITIAL SUBMITTAL	
BCE		5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM NC LICENSE #C-4397		©2023	
LENNAR		CORPORAION		1100 PERIMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560	
PARKER RIDGE		82 SCHOOL STREET		ROLESVILLE / NORTH CAROLINA / 27571	
ENLARGED TCA PLAN (2 OF 6)		NOT FOR CONSTRUCTION		FILE NUMBER: 8430-03	
				DATE: 10/02/2023	
				L3-2	

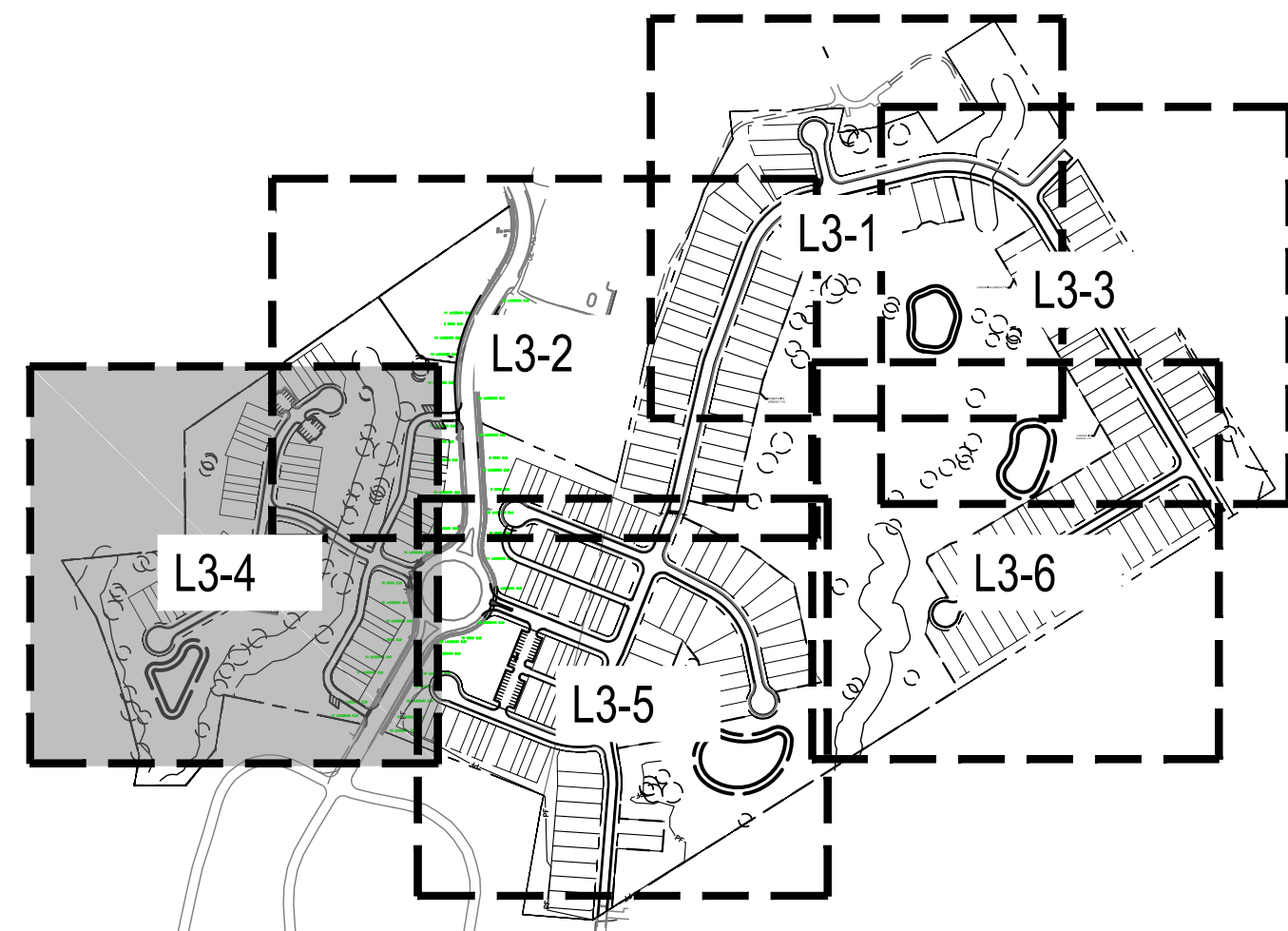
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LEGEND

- PROPERTY / BOUNDARY LINE
- EASEMENT
- PROPOSED CURB AND GUTTER
- WETLANDS
- 50' STREAM BUFFER
- TREE PROTECTION FENCE
- LIMIT OF CONSTRUCTION
- EXISTING TREE CANOPY
- PROPOSED TREE CONSERVATION AREA
- EXISTING STREET TREE
- PRESERVED TREE WITH CRITICAL ROOT ZONE*

*NATIVE, PORTUGAL, DRY-TOYONE (4 FT CRITICAL ROOT ZONE TO MAX CANO)



811

Know what's below.
Call before you dig.

0 75 150 300
SCALE: 1" = 150'

DESIGNED BY: DF/CD		10/02/2023		PER TOWN OF ROLESVILLE COMMENT	
DRAWN BY: DF/JWM		08/01/2023		PER TOWN OF ROLESVILLE COMMENT	
REVIEWED BY: DF		06/01/2023		INITIAL SUBMITTAL	

BCE

5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
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NC LICENSE #C-4397

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

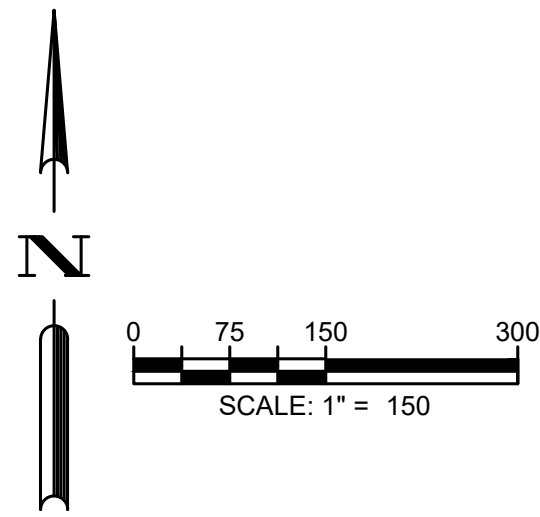
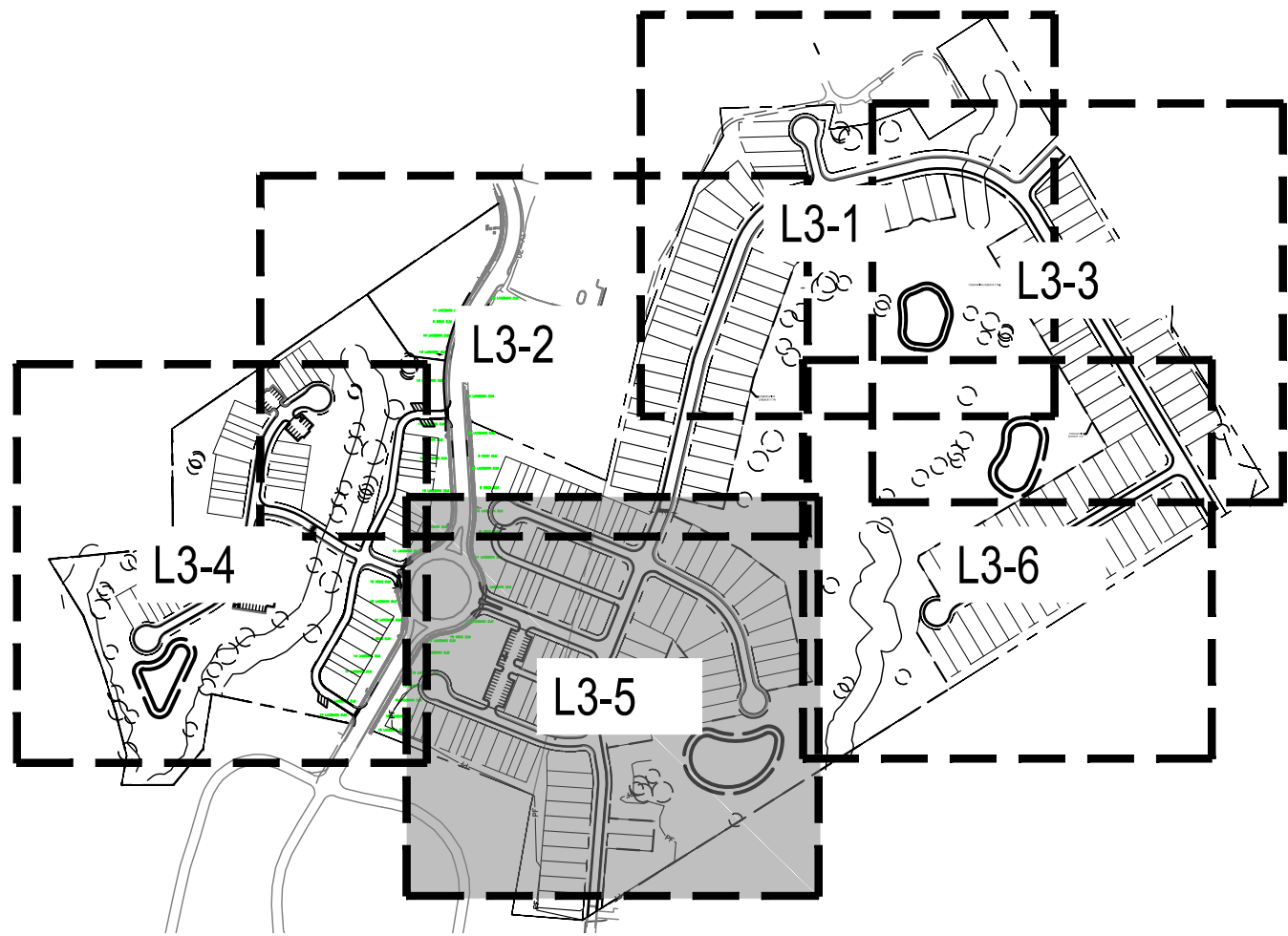
PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED TCA PLAN
(4 OF 6)

NOT FOR CONSTRUCTION
FILE NUMBER:
8430-03
DATE: 10/02/2023

L3-4

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BCE		5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM NC LICENSE #C-4397	
LENNAR CORPORAION		PARKER RIDGE 82 SCHOOL STREET ROLESVILLE / NORTH CAROLINA / 27571	
ENLARGED TCA PLAN (5 OF 6)		NOT FOR CONSTRUCTION	
		FILE NUMBER: 8430-03	
		DATE: 10/02/2023	
		L3-5	
		DESIGNED BY: DF/CD	
		DRAWN BY: DF/JWM	
		REVIEWED BY: DF	
		10/02/2023 PER TOWN OF ROLESVILLE COMMENT	
		08/01/2023 PER TOWN OF ROLESVILLE COMMENT	
		06/01/2023 INITIAL SUBMITTAL	

