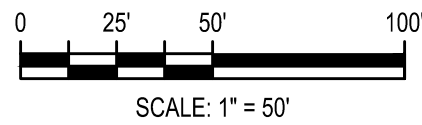
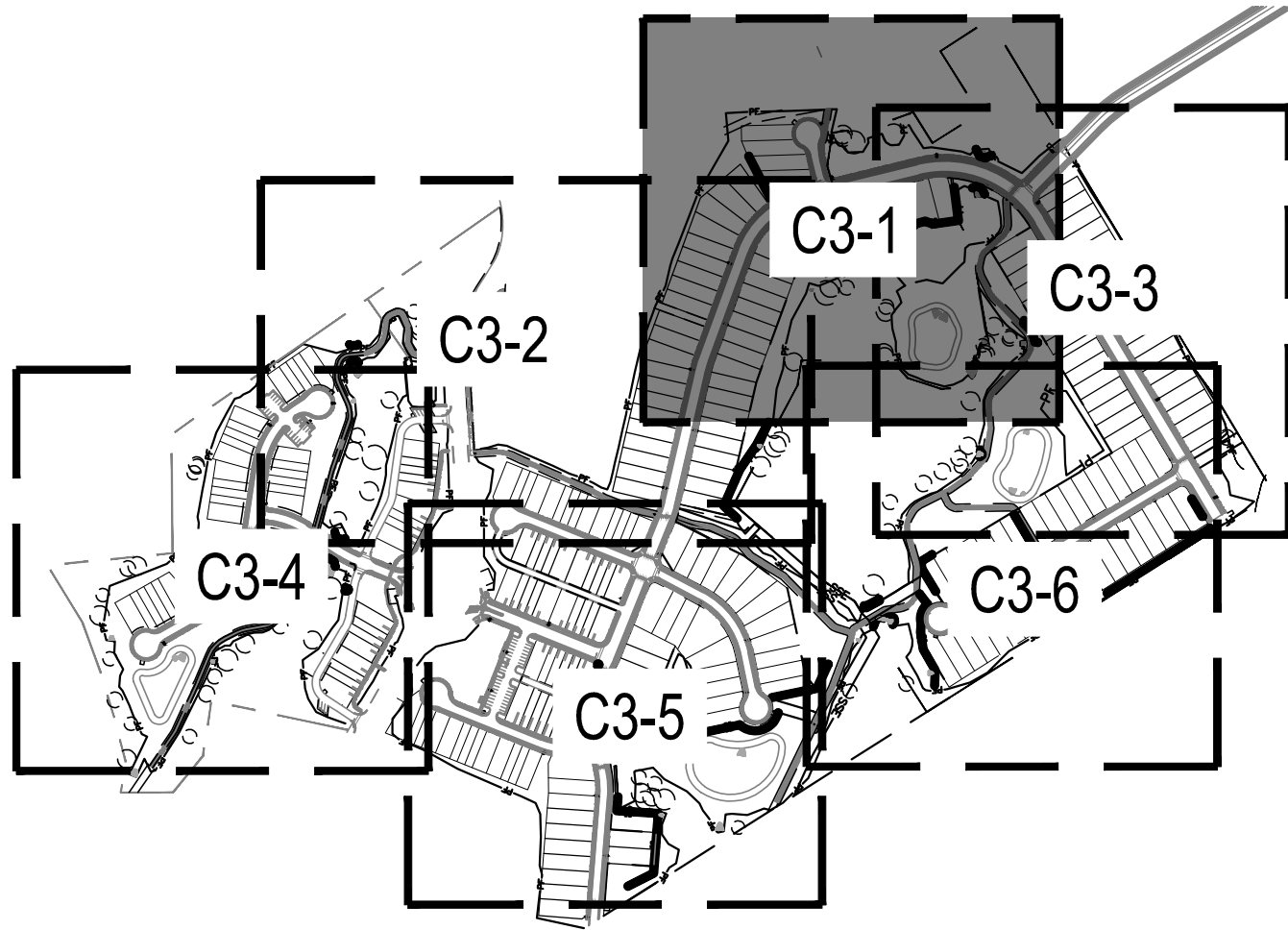
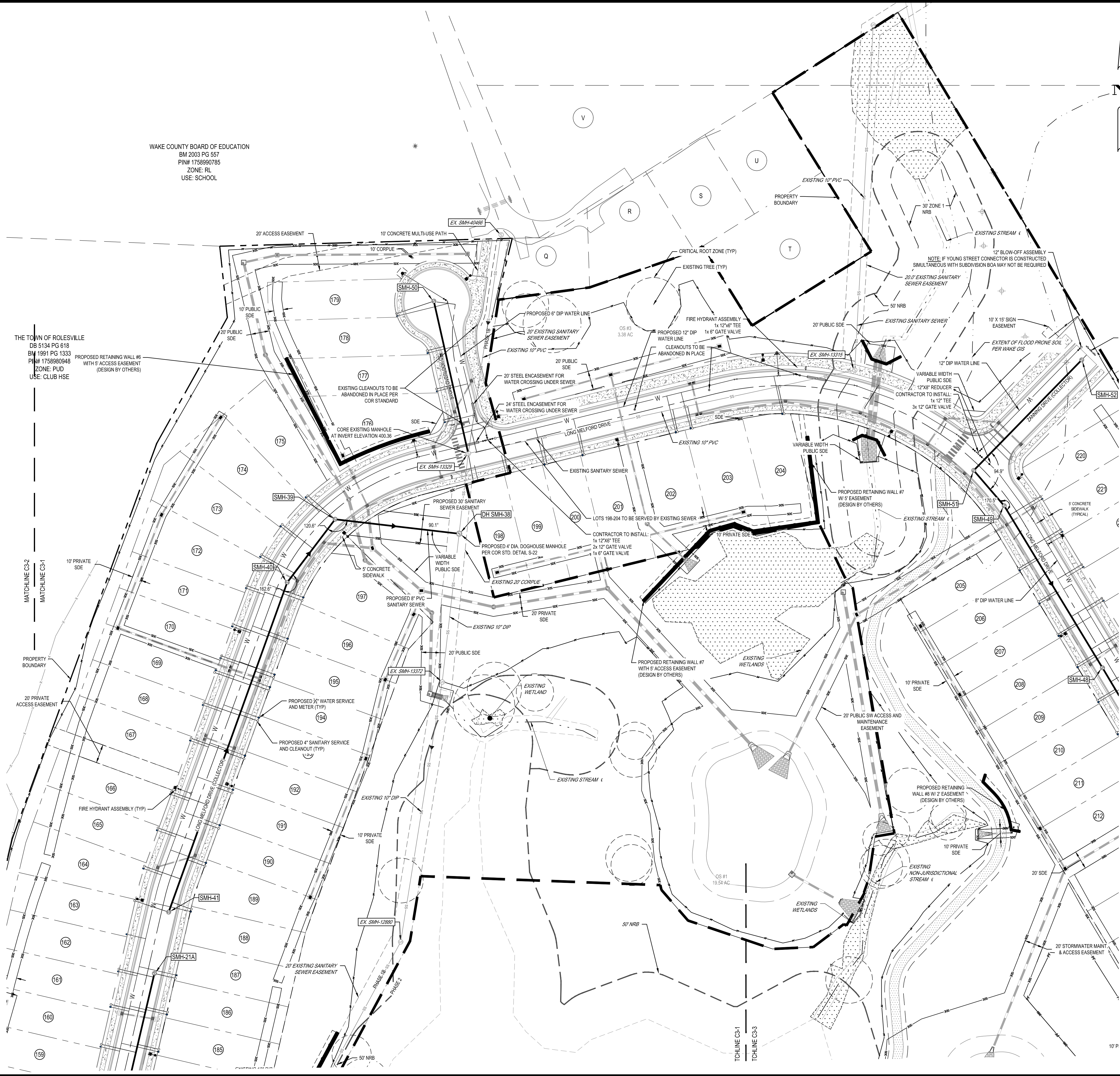


THE TOWN OF ROLESVILLE
DB 5134 PG 618
BM 1991 PG 1333
PIN# 1758980948
ZONE: PUD
USE: CLUB HSE

WAKE COUNTY BOARD OF EDUCATION
BM 2003 PG 557
PIN# 1758990785
ZONE: RL
USE: SCHOOL



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 # W-4107
Authorization to Construct: See digital signature

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 # S-5439
Authorization to Construct: See digital signature

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



FILE NUMBER: 8430-03
DATE: 03/04/2024
C3-1

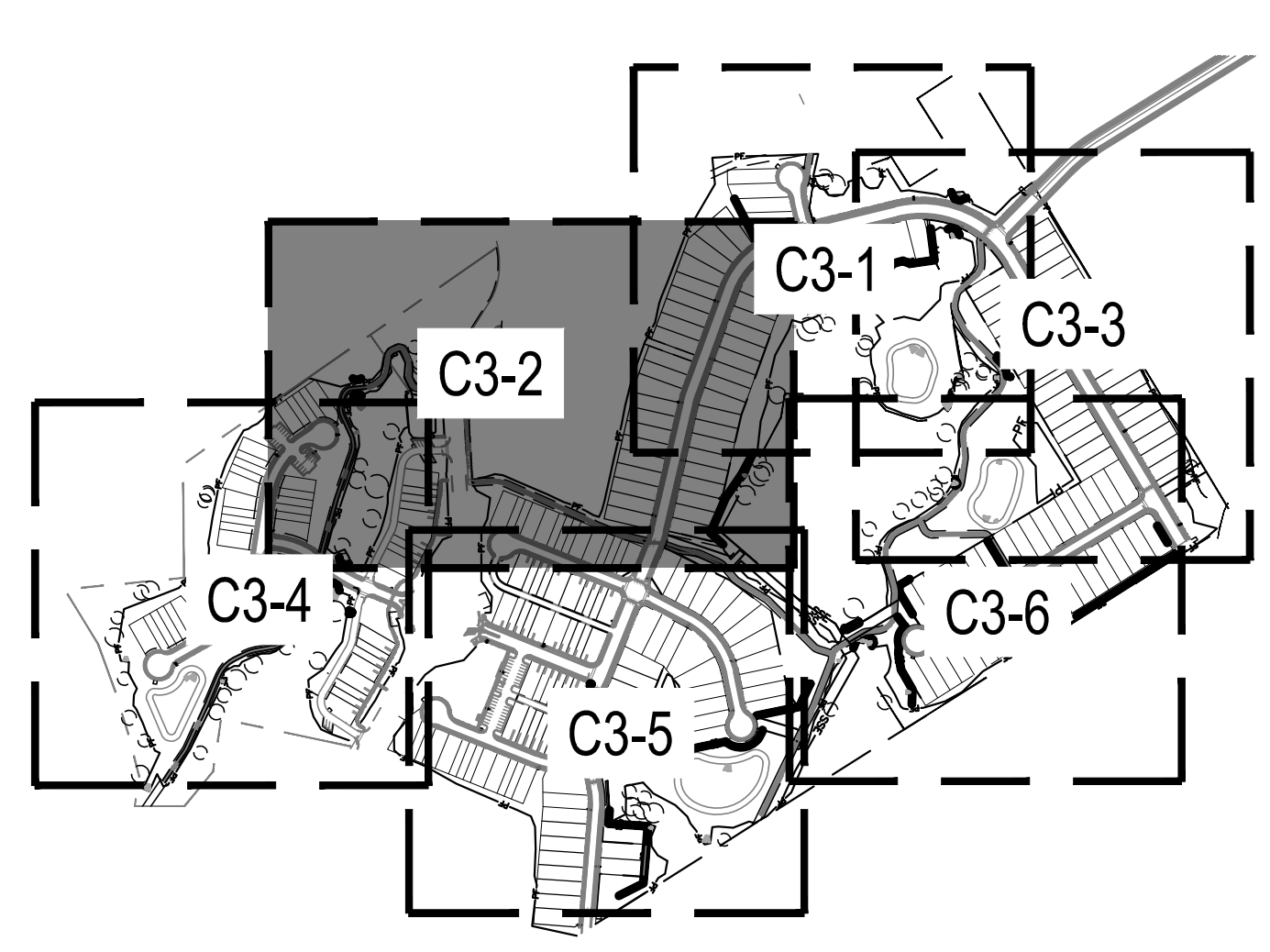
DESIGNED BY:	DF/CD
DRAWN BY:	DF/JWM
REVIEWED BY:	DF
PER TOWN OF ROLESVILLE COMMENT	02/14/2024
PER TOWN OF ROLESVILLE / WC COMMENTS	11/2/2024
PER TOWN OF ROLESVILLE COMMENT	11/21/2023
PER TOWN OF ROLESVILLE COMMENT	10/02/2023
PER TOWN OF ROLESVILLE COMMENT	08/01/2023
INITIAL SUBMITTAL	06/01/2023

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

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED UTILITY PLAN (1 OF 6)

G:\NCA\Projects\Lennar\8430-03 - DWG\PlanSheets\On-Site\U1-0 - UTIL-PLAN.dwg Layout: C3-2 ENLARGED UTILITY PLAN (2 OF 6) Plotted: 3/5/2024 9:44:47 AM



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 # W-4107
Authorization to Construct: See digital signature

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 # S-5439
Authorization to Construct: See digital signature

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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

City of Raleigh Development Approval: Timothy Beasley
Raleigh Water Review Officer: See digital signature

811

Know what's below.
Call before you dig.

02/14/2024	PER TOWN OF ROLESVILLE COMMENT
11/2/2024	PER TOWN OF ROLESVILLE / W/C COMMENTS
11/21/2023	PER TOWN OF ROLESVILLE COMMENT
10/02/2023	PER TOWN OF ROLESVILLE COMMENT
08/01/2023	PER TOWN OF ROLESVILLE COMMENT
06/01/2023	INITIAL SUBMITTAL
DESIGNED BY:	DF/CD
DRAWN BY:	DF/JWM
REVIEWED BY:	DF

BCE

5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BCEINC.COM
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 UTILITY

PLAN (2 OF 6)

811

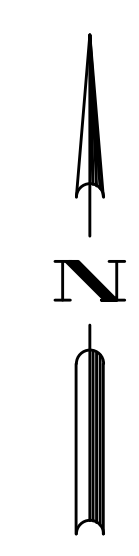
Know what's below.
Call before you dig.

FILE NUMBER:
8430-03

DATE: 03/04/2024

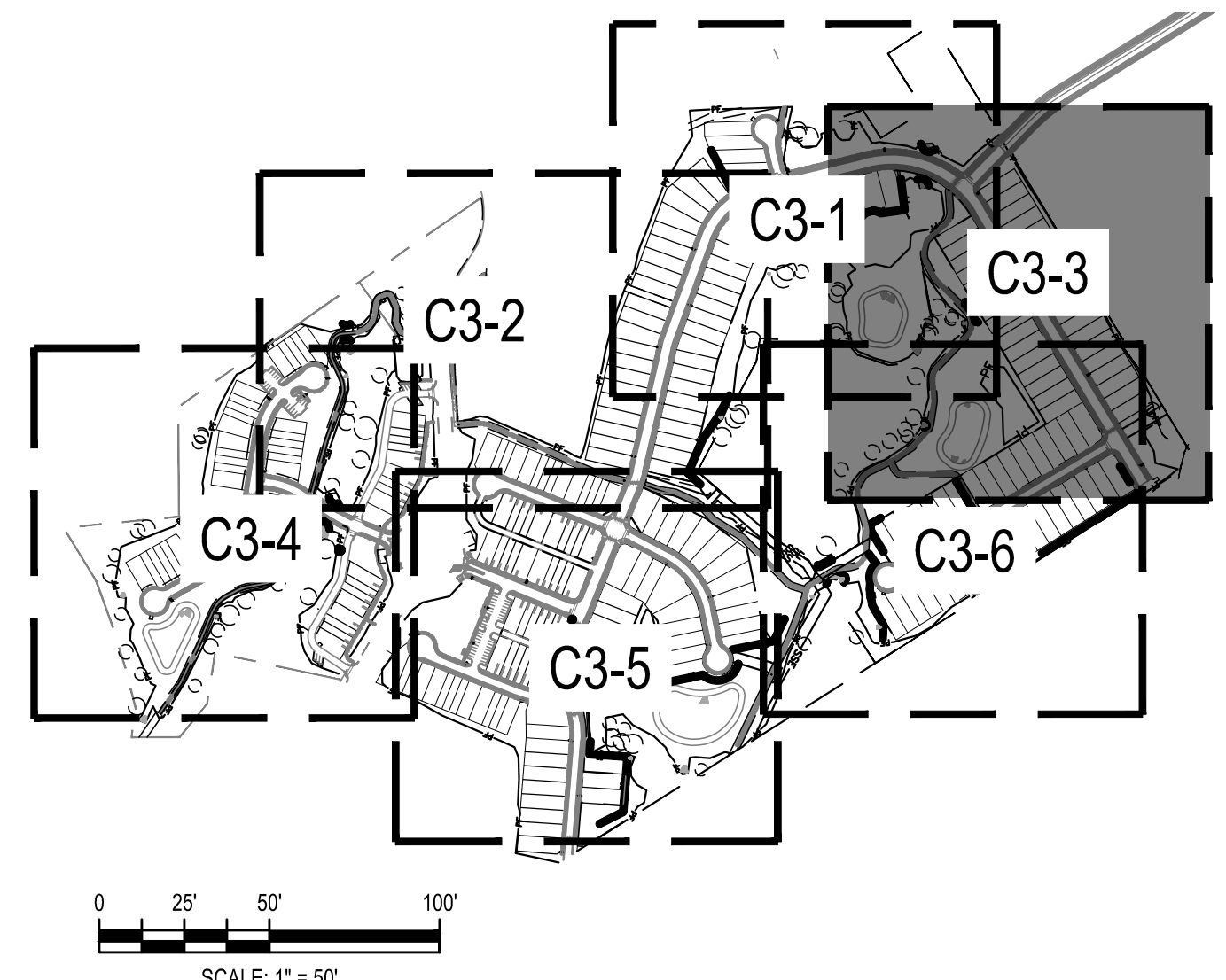
C3-2

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - R0lesville\03 - DWG\PlanSheets\On-Site\1-0 - UTIL-PLAN.dwg Layout: C3-3 ENLARGED UTILITY PLAN (3 OF 6) Plotted: 3/5/2024 9:44:07 AM



PROPOSED UTILITY LEGEND	
	PROPOSED DOMESTIC WATER
	PROPOSED FIRE WATER
	PROPOSED IRRIGATION
	PROPOSED SANITARY
	PROPOSED EASEMENT
	PROPOSED STORM EASEMENT
	TREE PROTECTION FENCE

PATSY V. YOUNG ET AL.
WF 20-E-2569
DB 9301 PG 1320
BM 1935 PG 60
PIN# 1768192148
ZONE: RL
USE: AGRICULTURE



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 # **WI-4107**
Authorization to Construct See digital signature

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 # **S-5439**
Authorization to Construct See digital signature

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

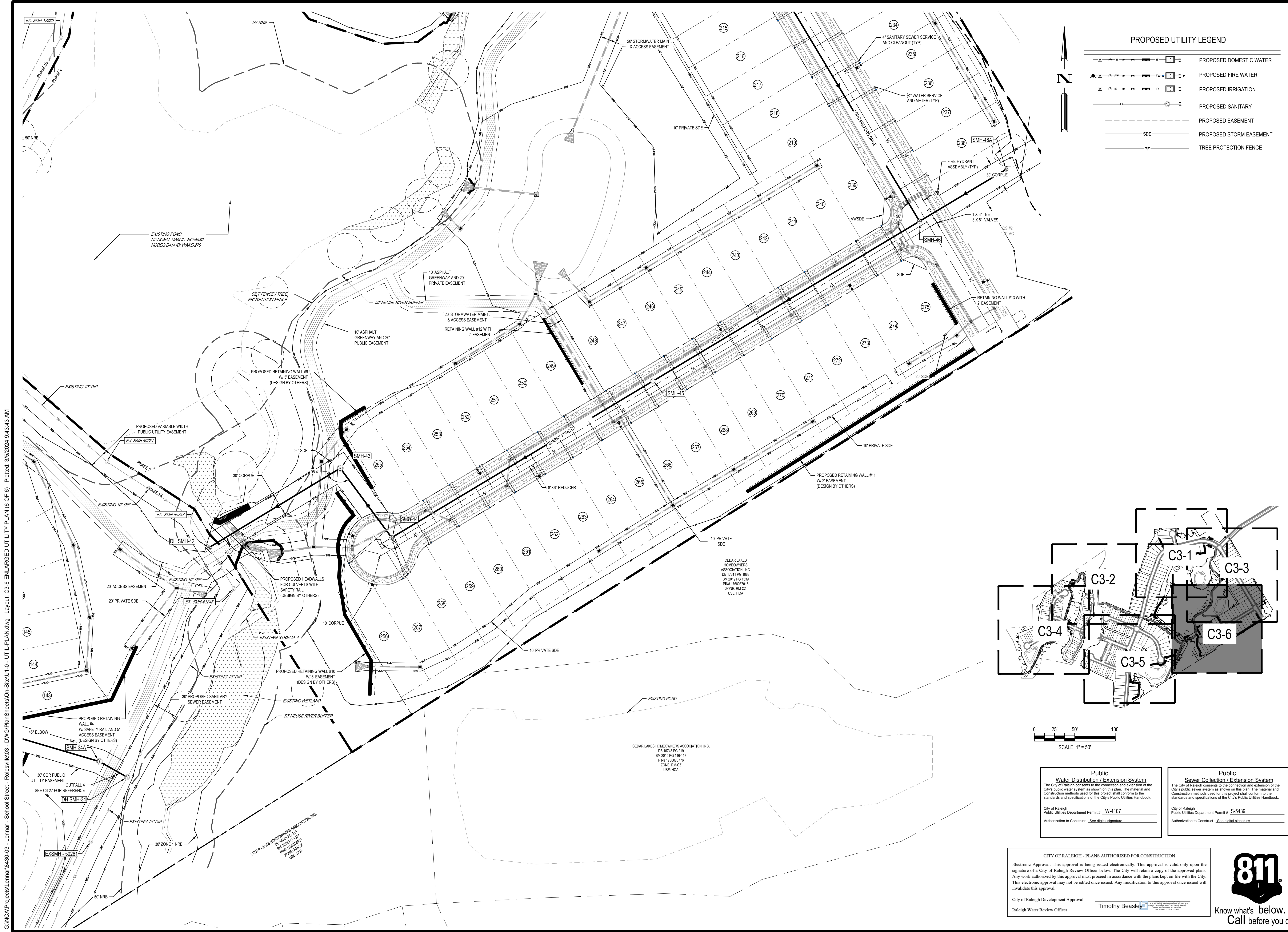


02/14/2024	PER TOWN OF ROLESVILLE COMMENT	11/2/2024	PER TOWN OF ROLESVILLE / WC COMMENTS	11/21/2023	PER TOWN OF ROLESVILLE COMMENT	10/02/2023	PER TOWN OF ROLESVILLE COMMENT	08/01/2023	PER TOWN OF ROLESVILLE COMMENT	06/01/2023	INITIAL SUBMITTAL
△		△		△		△		△		REV	
DESIGNED BY:		DF/CD									
DRAWN BY:		DF/JWM									
REVIEWED BY:		DF									
BCE 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM 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 UTILITY PLAN (3 OF 6)											
 DocuSign <u>Debra Fern</u> FILE NUMBER: 8430-03 DATE: 03/04/2024 C3-3											

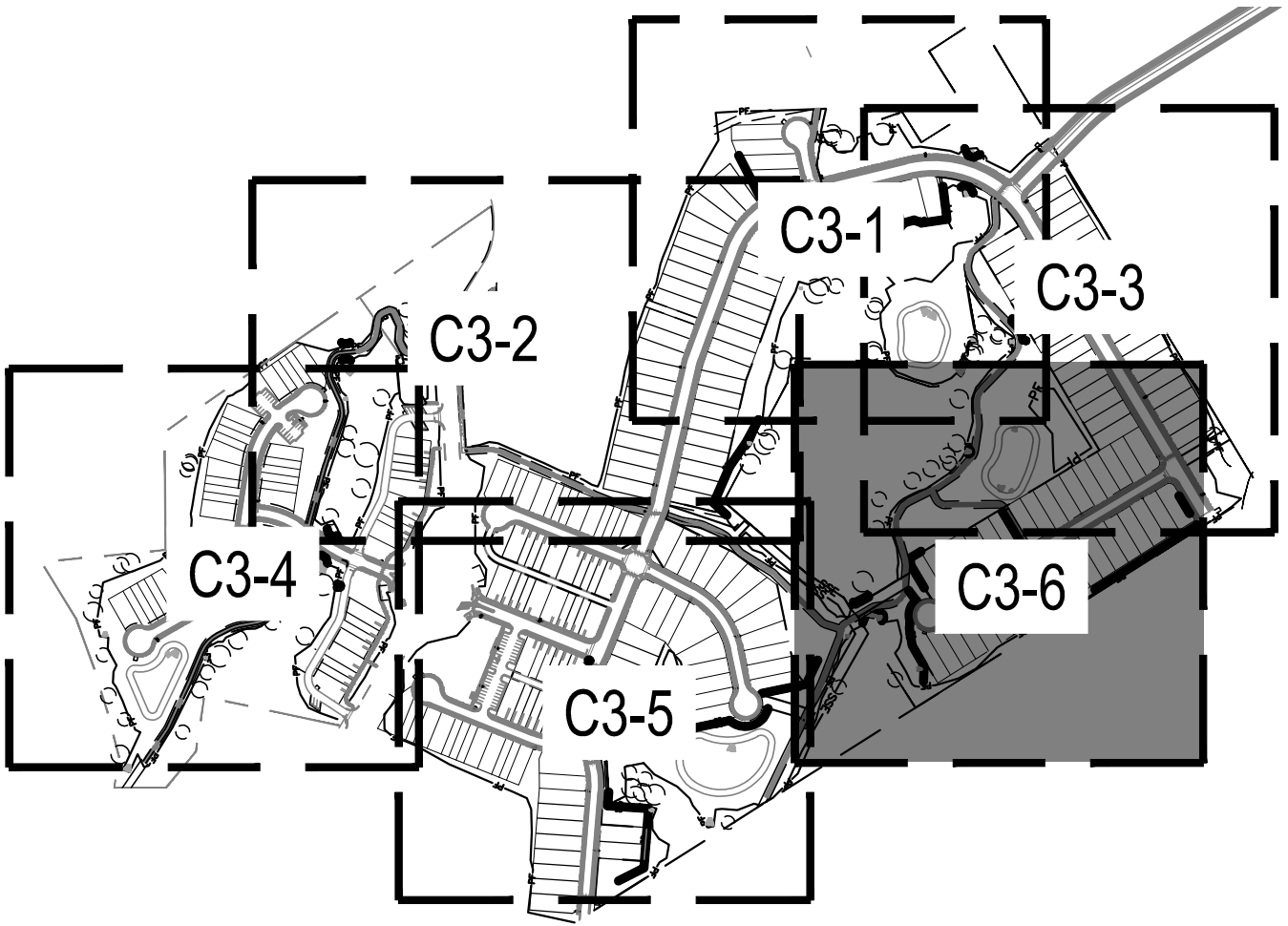


DocuSign Envelope ID: 3/12/2024

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - DWG\PlanSheets\On-Site\U1-0 - UTIL-PLAN.dwg Layout: C3-6 ENLARGED UTILITY PLAN (6 OF 6) Plotted: 3/5/2024 9:43:43 AM



PROPOSED UTILITY LEGEND					
	PROPOSED DOMESTIC WATER		PROPOSED FIRE WATER		PROPOSED IRRIGATION
	PROPOSED SANITARY		PROPOSED EASEMENT		PROPOSED STORM EASEMENT
	TREE PROTECTION FENCE				



Public Water Distribution / Extension System	Public Sewer Collection / 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.	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 # W-4107 Authorization to Construct: <u>See digital signature</u>	City of Raleigh Public Utilities Department Permit # S-5439 Authorization to Construct: <u>See digital signature</u>

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

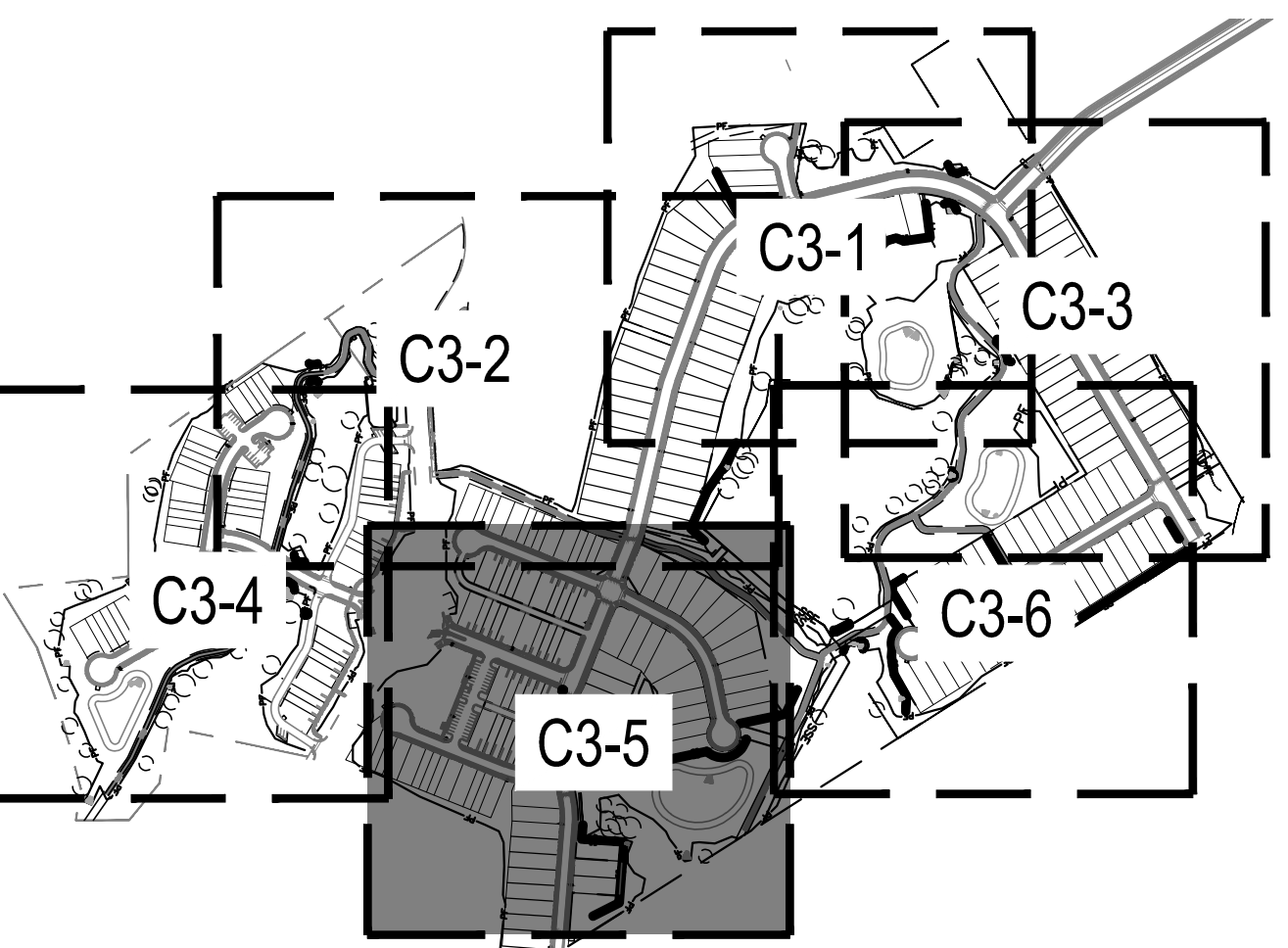
Electronic Approval: This approval is being issued electronically. This approval is valid only upon the signature of a City of Raleigh Review Officer below. The City will retain a copy of the approved plans. Any work authorized by this approval must proceed in accordance with the plans kept on file with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

City of Raleigh Development Approval
Raleigh Water Review Officer

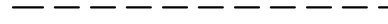
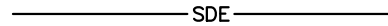
Timothy Beasley



02/14/2024	PER TOWN OF ROLESVILLE COMMENT	11/2/2024	PER TOWN OF ROLESVILLE / W/C COMMENTS	11/2/2024	PER TOWN OF ROLESVILLE COMMENT	10/02/2023	PER TOWN OF ROLESVILLE COMMENT	08/01/2023	PER TOWN OF ROLESVILLE COMMENT	06/01/2023	INITIAL SUBMITTAL
△		△		△		△		△		REV	
DESIGNED BY: DF/CD		DRAWN BY: DF/JWM		REVIEWED BY: DF							
 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM 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 UTILITY PLAN (6 OF 6)											
 FILE NUMBER: 8430-03 DATE: 03/04/2024 C3-6											



PROPOSED UTILITY LEGEND

	PROPOSED DOMESTIC WATER
	PROPOSED FIRE WATER
	PROPOSED IRRIGATION
	PROPOSED SANITARY
	PROPOSED EASEMENT
	PROPOSED STORM EASEMENT
	TREE PROTECTION FENCE

DESIGNED BY:	DF/CD	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
DRAWN BY:	DF/JWM	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
REVIEWED BY:	DF	11/21/2023	PER TOWN OF ROLESVILLE COMMENT
		10/02/2023	PER TOWN OF ROLESVILLE COMMENT
		08/01/2023	PER TOWN OF ROLESVILLE COMMENT
		06/01/2023	INITIAL SUBMITTAL

BGE

5440 WADE PARK BLVD, SUITE 102
RALEIGH NC 27607
WWW.BGEINC.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 UTILITY
PLAN (5 OF 6)



DocuSign 3/12/2024

Debra Fern

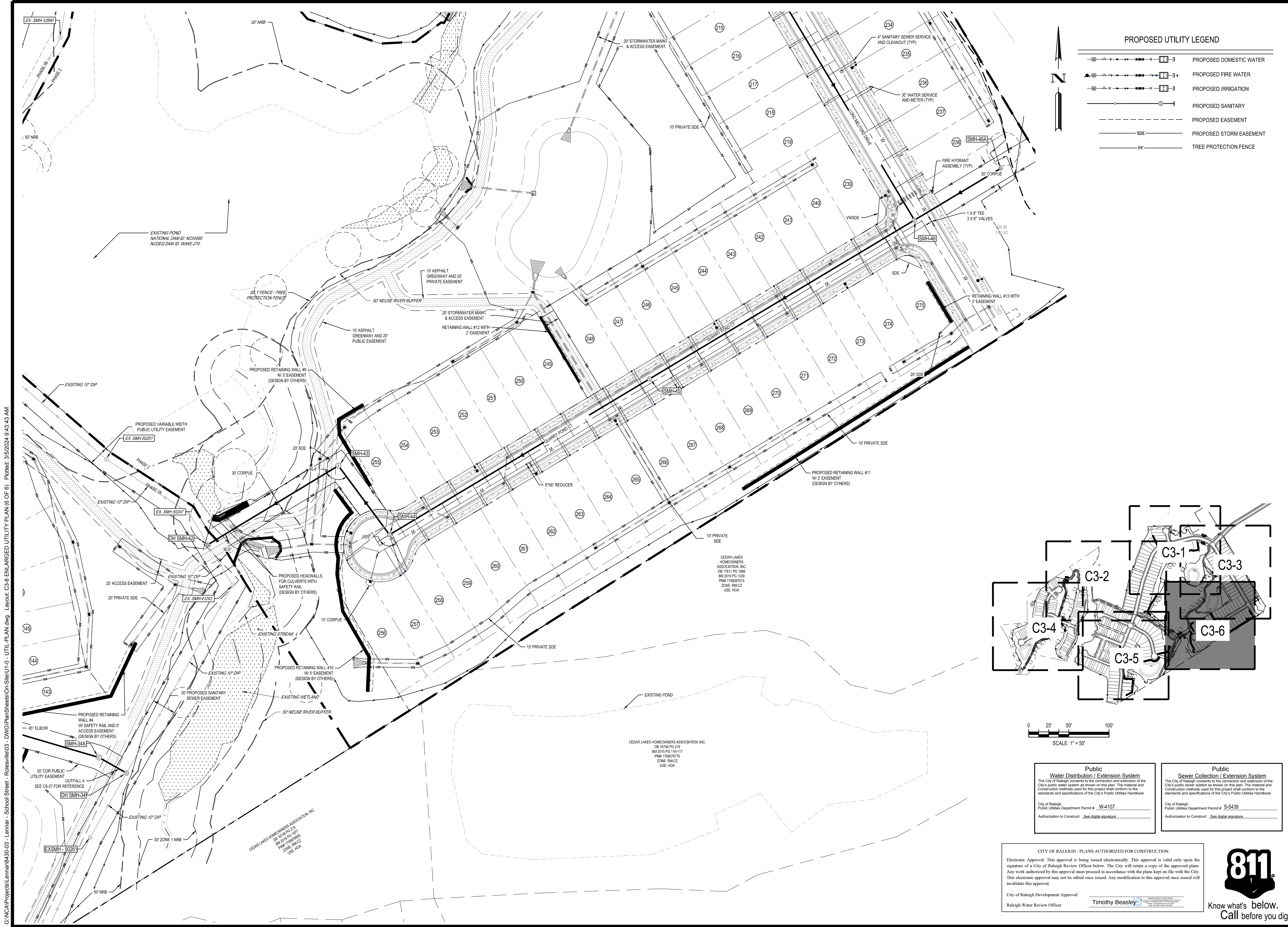
FILE NUMBER:
8430-03

DATE: 03/04/2024

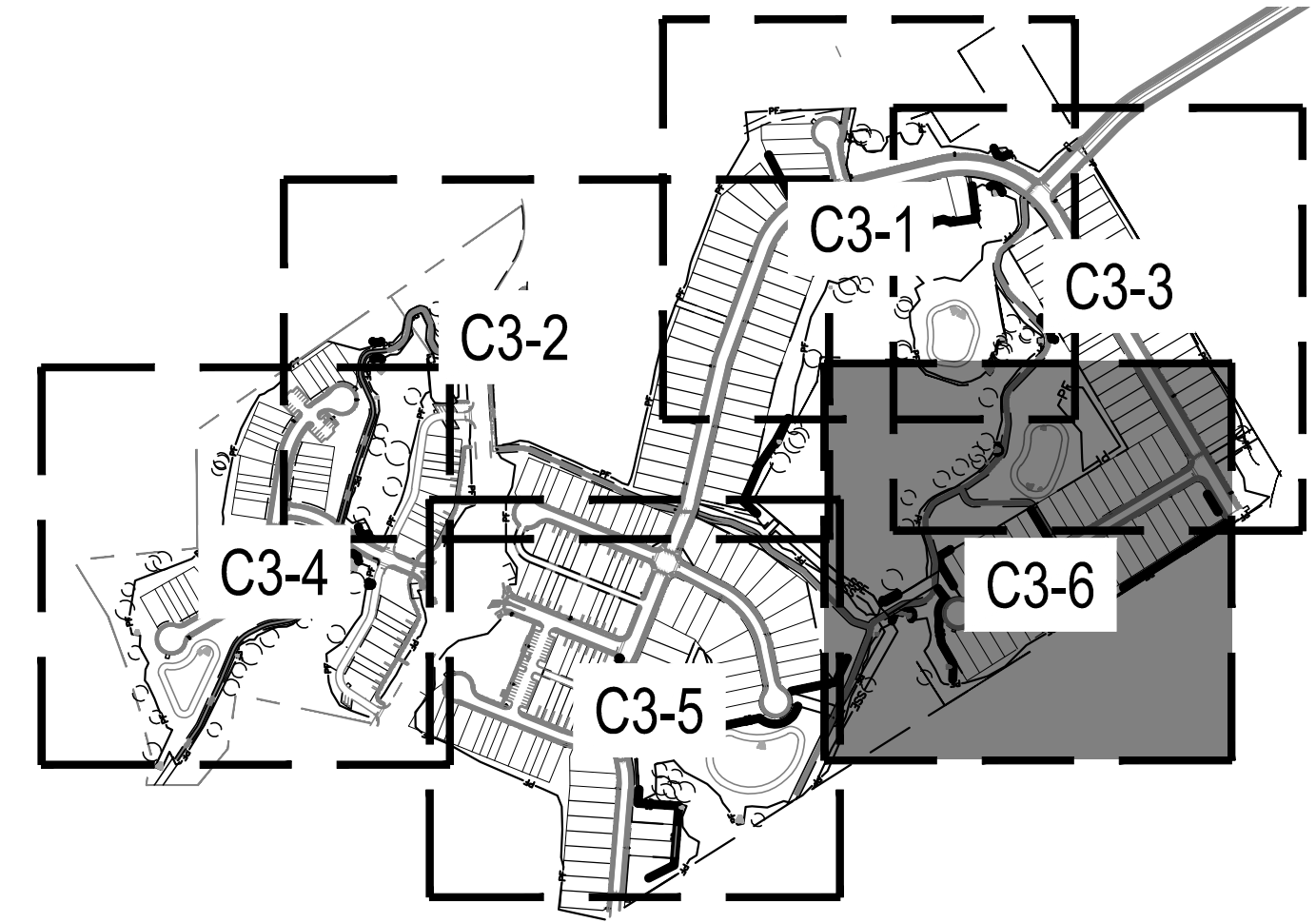
C3-5

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 # W-4107 Authorization to Construct <u>See digital signature</u>	Purpose 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. This 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 # S-5439 Authorization to Construct <u>See digital signature</u>
---	---

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - DWG\PlanSheets\On-Site\U1-0 - UTIL-PLAN.dwg Layout: C3-6 ENLARGED UTILITY PLAN (6 OF 6) Plotted: 3/5/2024 9:43:43 AM



PROPOSED UTILITY LEGEND					
	PROPOSED DOMESTIC WATER		PROPOSED FIRE WATER		PROPOSED IRRIGATION
	PROPOSED SANITARY		PROPOSED EASEMENT		PROPOSED STORM EASEMENT
	TREE PROTECTION FENCE		SDE		PF



Public Water Distribution / Extension System	Public Sewer Collection / 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.	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 # W-4107 Authorization to Construct: <u>See digital signature</u>	City of Raleigh Public Utilities Department Permit # S-5439 Authorization to Construct: <u>See digital signature</u>

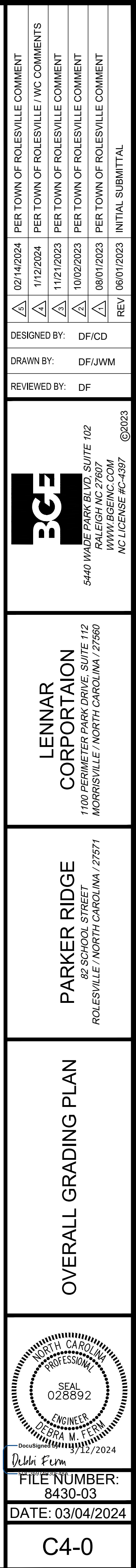
CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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

City of Raleigh Development Approval
Raleigh Water Review Officer: Timothy Beasley

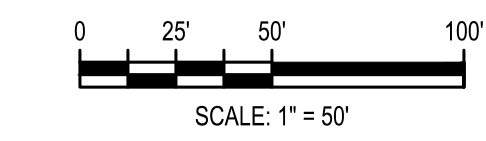
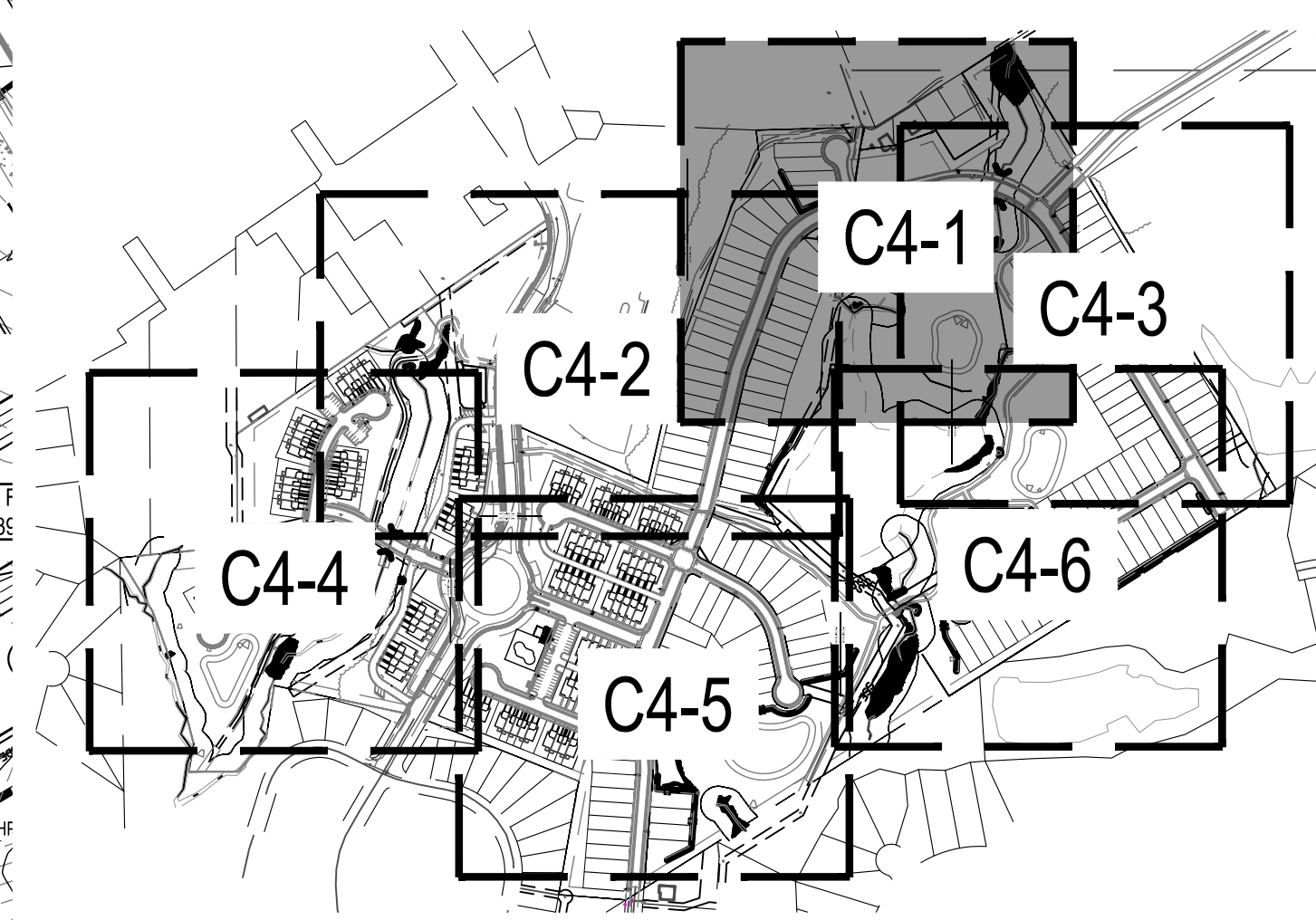


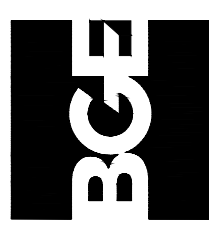
02/14/2024	PER TOWN OF ROLESVILLE COMMENT	11/2/2024	PER TOWN OF ROLESVILLE / W/C COMMENTS	11/2/2023	PER TOWN OF ROLESVILLE COMMENT	10/02/2023	PER TOWN OF ROLESVILLE COMMENT	08/01/2023	PER TOWN OF ROLESVILLE COMMENT	06/01/2023	INITIAL SUBMITTAL
△		△		△		△		△		REV	
DESIGNED BY: DF/CD		DRAWN BY: DF/JWM		REVIEWED BY: DF							
 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM NC LICENSE #C-4397											
LENNAR CORPORAION 1100 PERMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560											
PARKER RIDGE 82 SCHOOL STREET ROLESVILLE / NORTH CAROLINA / 27571											
ENLARGED UTILITY PLAN (6 OF 6)											
 FILE NUMBER: 8430-03 DATE: 03/04/2024 C3-6											

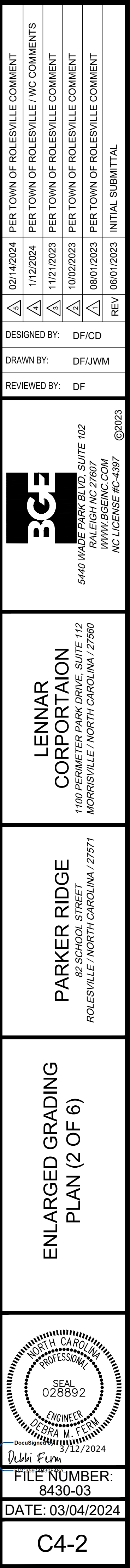


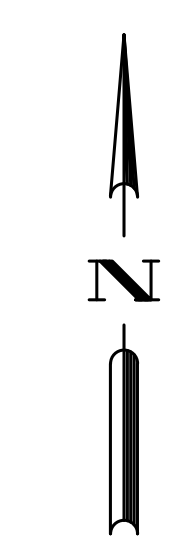


PROPOSED GRADING AND DRAINAGE LEGEND	
	PROPOSED BORING
	PROPOSED DETENTION
	PROPOSED CLEARING LIMITS
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SPOT
	PROPOSED GRADING ARROW
	PROPOSED SWALE
	PROPOSED STORM
	PROPOSED STORM SYMBOL
	PROPOSED BUILDING SPOT
	PROPOSED STEM WALL
	FINISHED PAD ELEVATION



02/14/2024	PER TOWN OF ROLESVILLE COMMENT	11/2/2024	PER TOWN OF ROLESVILLE / IWC COMMENTS
11/2/2024	PER TOWN OF ROLESVILLE COMMENT	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
08/01/2023	PER TOWN OF ROLESVILLE COMMENT	06/01/2023	INITIAL SUBMITTAL
DESIGNED BY:	DF/CD	DRAWN BY:	DF/JWM
REVIEWED BY:	DF		
 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM 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 GRADING PLAN (1 OF 6)			
 FILE NUMBER: 8430-03 DATE: 03/04/2024 C4-1			

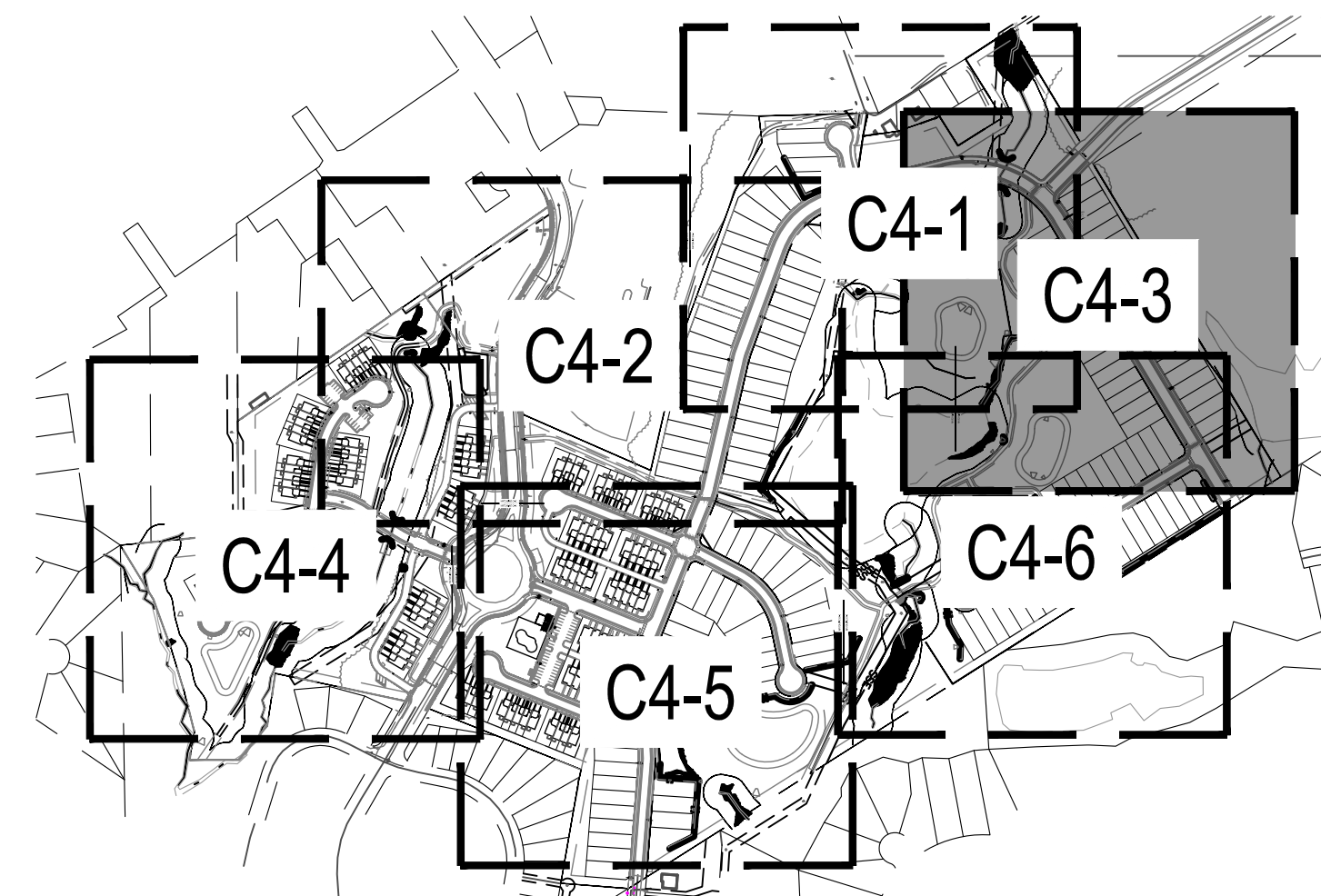




— NOTE: DASHED POND EXTENTS
PER GIS



Know what's below.
Call before you dig.



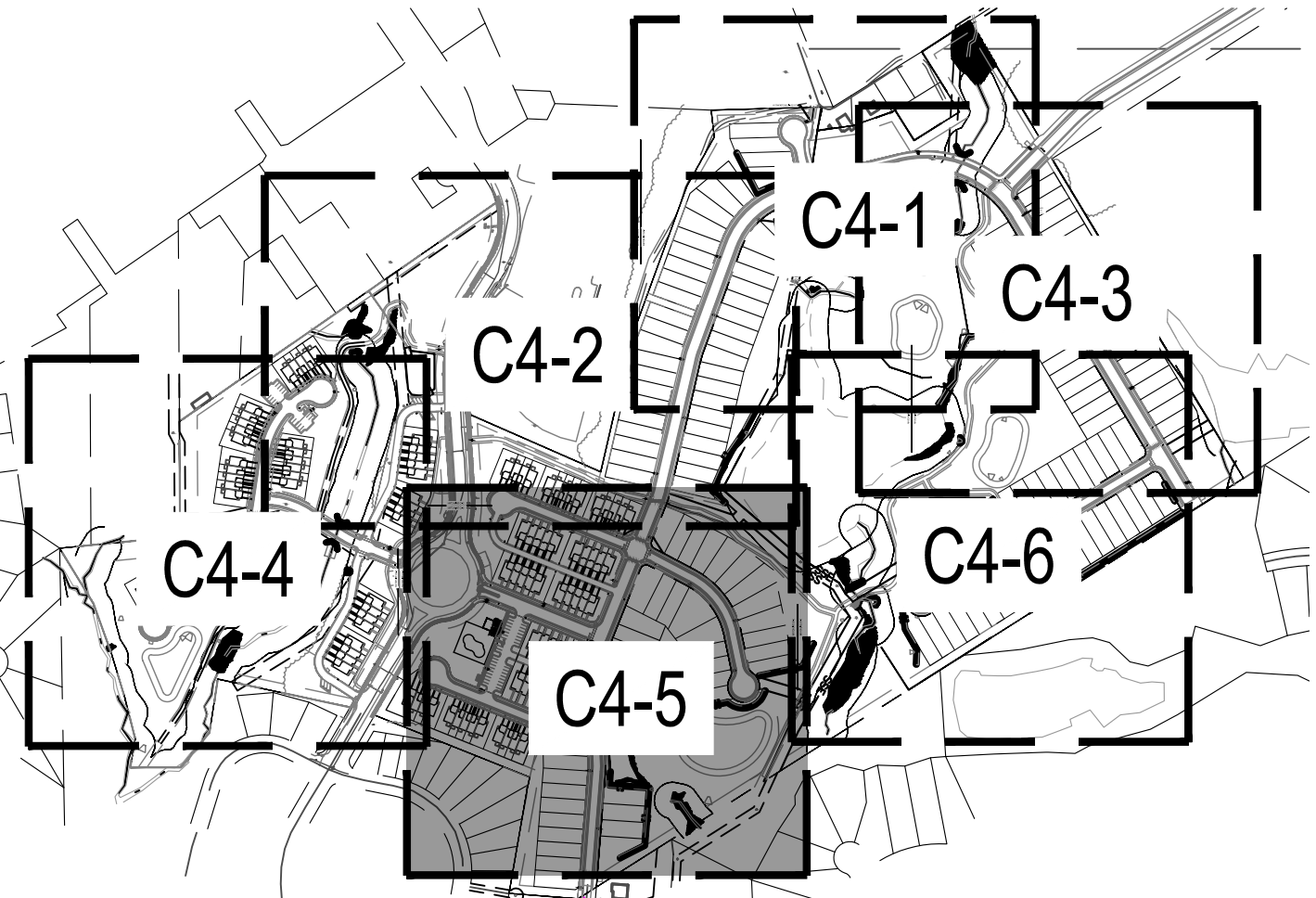
ENLARGED GRADING PLAN (3 OF 6)	PARKER RIDGE 82 SCHOOL STREET ROLESVILLE / NORTH CAROLINA / 27571	LENNAR CORPORAION 1100 PERIMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560	BCE 5440 WADE PARK BLVD., SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM NC LICENSE #C-4387	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
				1/12/2024	PER TOWN OF ROLESVILLE / NC COMMENTS
				11/21/2023	PER TOWN OF ROLESVILLE COMMENT
				10/02/2023	PER TOWN OF ROLESVILLE COMMENT
				08/01/2023	PER TOWN OF ROLESVILLE COMMENT
DESIGNED BY: DF/CD DRAWN BY: DF/JWM REVIEWED BY: DF				08/01/2023	INITIAL SUBMITTAL
©2023					



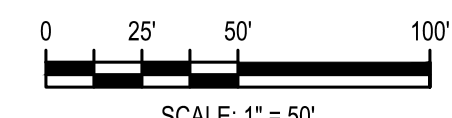
C4-4

ENLARGED GRADING
PLAN (4 OF 6)

C4-4



PROPOSED GRADING AND DRAINAGE LEGEND	
	PROPOSED BORING
	PROPOSED DETENTION
	PROPOSED CLEARING LIMITS
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SPOT
	PROPOSED GRADING ARROW
	PROPOSED SWALE
	PROPOSED STORM
	PROPOSED STORM SYMBOL
	PROPOSED BUILDING SPOT
	PROPOSED STEM WALL
	FINISHED PAD ELEVATION

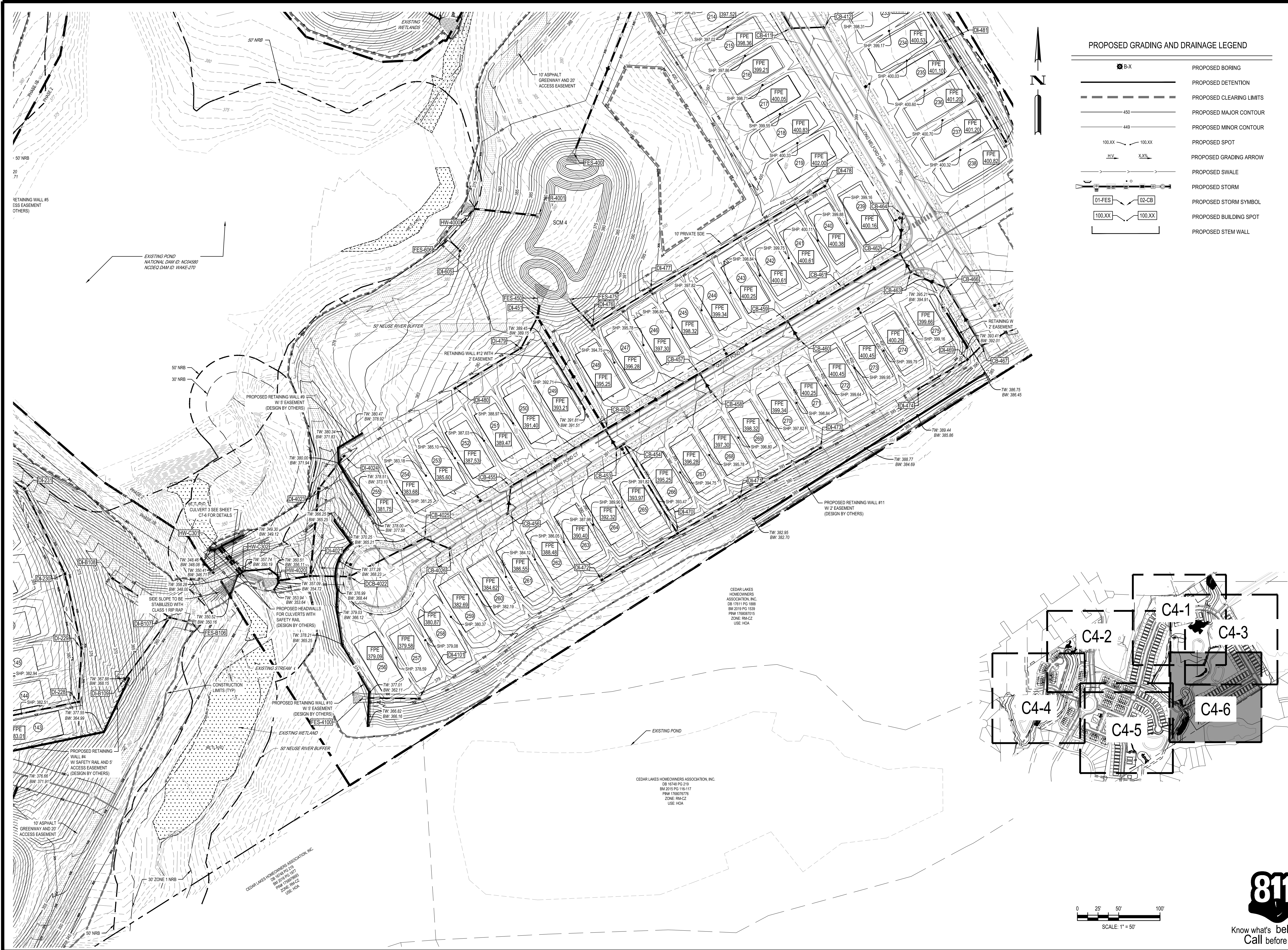


SCALE: 1" = 50'



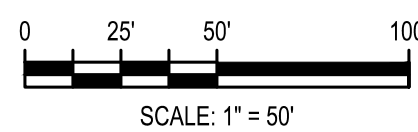
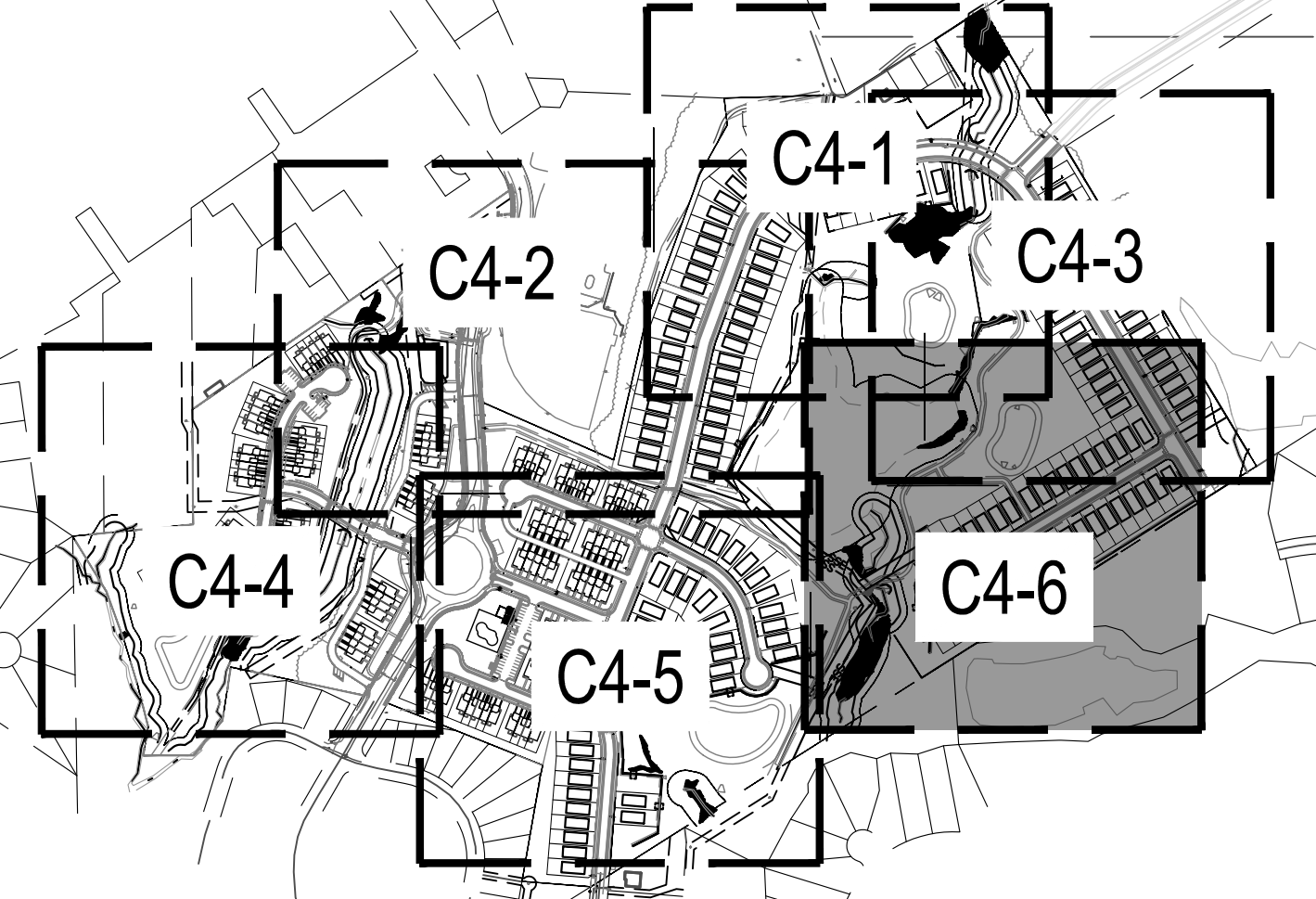
Know what's below.
Call before you dig.

LENNAR CORPORAION 1100 PERMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560	DESIGNED BY: DFC/CD DRAWN BY: DFC/JWM REVIEWED BY: DFC	02/14/2024 PER TOWN OF ROLESVILLE COMMENT 11/2/2024 PER TOWN OF ROLESVILLE COMMENT 11/2/2023 PER TOWN OF ROLESVILLE COMMENT 10/02/2023 PER TOWN OF ROLESVILLE COMMENT 08/01/2023 PER TOWN OF ROLESVILLE COMMENT REV 06/01/2023 INITIAL SUBMITTAL
	BCE 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM NC LICENSE #C-4397	
	PARKER RIDGE 82 SCHOOL STREET ROLESVILLE / NORTH CAROLINA / 27571	
	ENLARGED GRADING PLAN (5 OF 6)	
	811 Seal: 026892 ENGINEER: DEBRA M. FERN DocuSign ID: 52B3EBBF-F3B1-405A-A0C7-DC6AA93021B FILE NUMBER: 8430-03 DATE: 03/04/2024 C4-5	



PROPOSED GRADING AND DRAINAGE LEGEND

	PROPOSED BORING
	PROPOSED DETENTION
	PROPOSED CLEARING LIMITS
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	PROPOSED SPOT
	PROPOSED GRADING ARROW
	PROPOSED SWALE
	PROPOSED STORM
	PROPOSED STORM SYMBOL
	PROPOSED BUILDING SPOT
	PROPOSED STEM WALL



Know what's below.
Call before you dig.

02/14/2024	PER TOWN OF ROLESVILLE COMMENT
11/2/2024	PER TOWN OF ROLESVILLE / IWC COMMENTS
11/2/2023	PER TOWN OF ROLESVILLE COMMENT
10/02/2023	PER TOWN OF ROLESVILLE COMMENT
08/01/2023	PER TOWN OF ROLESVILLE COMMENT
06/01/2023	INITIAL SUBMITTAL
DESIGNED BY: DF/CD	
DRAWN BY: DF/JWM	
REVIEWED BY: DF	
5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM 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 GRADING PLAN (6 OF 6)	
FILE NUMBER: 8430-03	
DATE: 03/04/2024	
C4-6	

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
AD-165	394.70	15"	391.40 (NE)	391.20 (NW)	15"	DI-146
AD-166	394.67			391.57 (SW)	15"	AD-165
CB-101	385.83	36" 18"	383.10 (NW) 385.73 (NE)	383.00 (SW)	36"	FES-100
CB-103	397.43	30" 18"	384.11 (NE) 385.28 (E)	384.01 (SW)	36"	DCB-102
CB-104	397.62	18" 18"	385.52 (SE)	385.42 (W)	18"	CB-103
CB-105	398.98	18" 30"	392.38 (E) 384.51 (N)	384.41 (SW)	30"	CB-103
CB-106	399.33			392.50 (W)	18"	CB-106
CB-107	400.83	18" 30" 15"	391.93 (E) 384.95 (N) 390.94 (NW)	384.85 (S)	30"	CB-105
CB-108	401.10			392.50 (W)	18"	CB-107
CB-109	402.99	24" 30"	386.18 (NE) 385.68 (E)	385.48 (S)	30"	CB-107
CB-110	403.70	24"	389.01 (N)	386.38 (SW)	24"	CB-109
CB-111	405.97	24" 15"	389.76 (NE) 400.04 (W)	389.66 (S)	24"	CB-110
CB-112	405.99			400.55 (E)	15"	CB-111
CB-113	405.45	24" 18" 15"	390.42 (NW) 393.77 (NE) 399.13 (SE)	390.22 (SW)	24"	CB-111
CB-114	405.45	24"	392.16 (NW)	390.56 (SE)	24"	CB-113
CB-115	404.55	18" 15"	399.45 (SE) 396.48 (E)	394.22 (SW)	18"	CB-113
CB-117	404.75			399.56 (NW)	18"	CB-115
CB-118	406.13	15" 24"	398.03 (W) 392.48 (NE)	392.28 (SE)	24"	CB-114
CB-119	405.40	24" 15"	398.06 (NW) 399.60 (SE)	392.86 (SW)	24"	CB-118
CB-127	400.50	30"	386.13 (E)	386.03 (W)	30"	CB-109
CB-128	397.85	30" 15" 18"	386.69 (SE) 390.00 (SW) 386.23 (NE)	386.59 (W)	30"	CB-127

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
CB-130	397.69	24" 18"	387.80 (SW) 389.50 (NE)	387.80 (NW)	24"	TCB-129
CB-131	398.13	18" 18"	388.04 (S) 387.54 (NE)	387.94 (NE)	24"	CB-130
CB-132	398.20	18"	390.73 (N)	390.53 (W)	18"	CB-131
CB-133	398.32	15"	391.20 (E)	391.00 (S)	18"	CB-132
CB-147	396.08	18"	387.38 (E)	387.18 (SW)	18"	CB-101
CB-153	396.67	18"	385.20 (SW)	385.00 (SE)	18"	FES-152
CB-153A	396.35			388.00 (NE)	18"	CB-153
CB-154	394.31	18"	388.00 (E)	387.80 (W)	18"	CB-147
CB-155	393.43			388.41 (W)	18"	CB-154
CB-163	404.63			399.88 (NW)	15"	CB-119
CB-164	396.22			391.47 (NE)	15"	DCB-102
DCB-102	395.83	36" 15" 15"	383.44 (NE) 385.77 (NW) 390.16 (SW)	383.24 (SE)	36"	CB-101
DDI-143	393.42	15" 15"	389.45 (SW) 389.56 (SE)	389.35 (NE)	18"	DI-142
DI-120	394.64	15" 18"	386.64 (SW) 386.64 (NE)	386.44 (SE)	15"	DCB-102
DI-121	394.97			387.53 (NE)	15"	DI-120
DI-122	389.71			386.50 (W)	18"	DI-156
DI-123	402.15	15"	391.77 (N)	391.57 (SE)	15"	CB-107
DI-124	404.23			395.04 (S)	15"	DI-123
DI-125	405.16			399.44 (E)	15"	CB-118
DI-126	403.10	18"	398.71 (NE)	398.51 (SE)	24"	CB-119
DI-134	397.76	15"	392.14 (E)	391.94 (W)	15"	CB-133

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
DI-135	397.67	18"	389.87 (NE)	389.77 (SW)	18"	CB-130
DI-136	399.36	18" 15"	391.00 (N) 391.00 (E)	390.80 (SW)	18"	DI-135
DI-137	399.98	18"	391.87 (N)	391.77 (S)	18"	DI-136
DI-138	400.66	18"	392.55 (NE)	392.45 (S)	18"	DI-137
DI-139	401.93	18"	393.08 (NE)	392.96 (SW)	18"	DI-138
DI-140	404.25			393.55 (SW)	18"	DI-139
DI-141	396.11	18"	388.39 (S)	388.29 (N)	18"	CB-131
DI-142	394.20	18"	388.92 (SW)	388.82 (N)	18"	DI-141
DI-144	394.20	15"	390.08 (S)	389.88 (NE)	15"	DDI-143
DI-145	394.61			390.81 (N)	15"	DI-144
DI-146	394.59	15"	390.95 (SE)	390.85 (NW)	15"	DDI-143
DI-150	402.80			399.30 (SW)	18"	DI-126
DI-151	404.38			400.13 (NW)	15"	CB-113
DI-156	393.38	18"	385.94 (E)	385.74 (NW)	18"	CB-104
DI-158	397.22			389.00 (SW)	18"	DI-120
DI-160	399.84			394.41 (W)	15"	DI-136
DI-161	396.96			392.64 (W)	15"	DI-134
FES-100		36"	382.44 (NE)			
FES-152		18"	384.50 (NW)			
FES-1000		24"	378.23 (NE)			
R-1001				379.00 (SW)	24"	FES-1000

RIP RAP DISSIPATOR SUMMARY TABLE						
OUTLET	MEDIAN STONE DIAMETER (D ₅₀)	MINIMUM APRON LENGTH	WIDTH AT PIPE	WIDTH AT END	MAX STONE DIAMETER	APRON THICKNESS
FES100	0.60 FT	19.00 FT	9.00 FT	22.00 FT	0.90 FT	1.35 FT
FES152	0.25 FT	9.00 FT	4.50 FT	10.50 FT	0.38 FT	0.56 FT
FES200	0.85 FT	19.00 FT	9.00 FT	22.00 FT	1.28 FT	1.91 FT
FES250	0.66 FT	12.00 FT	7.50 FT	14.50 FT	0.99 FT	1.49 FT
FES300	0.85 FT	19.00 FT	9.00 FT	22.00 FT	1.28 FT	1.91 FT
FES350	0.85 FT	19.00 FT	9.00 FT	22.00 FT	1.28 FT	1.91 FT
FES400	0.55 FT	11.00 FT	6.00 FT	13.00 FT	0.83 FT	1.24 FT
FES450	0.85 FT	16.00 FT	7.50 FT	18.50 FT	1.28 FT	1.91 FT
FES475	0.50 FT	9.00 FT	3.75 FT	10.25 FT	0.75 FT	1.13 FT
FES1000	0.60 FT	18.00 FT	6.00 FT	20.00 FT	0.90 FT	1.35 FT
FES2000	0.50 FT	20.00 FT	6.00 FT	22.00 FT	0.75 FT	1.13 FT
HW3001	0.60 FT	19.00 FT	6.00 FT	24.00 FT	0.90 FT	2.81 FT
FES3003	0.33 FT	12.00 FT	9.00 FT	15.00 FT	0.50 FT	0.74 FT
HW4000	0.40 FT	12.00 FT	6.00 FT	14.00 FT	0.60 FT	0.90 FT
HW4020	0.55 FT	12.00 FT	6.00 FT	14.00 FT	0.83 FT	1.24 FT
FES4100	0.33 FT	12.00 FT	3.75 FT	13.25 FT	0.50 FT	0.74 FT
CULVERT 1	0.83 FT	40.00 FT	30.00 FT	30.00 FT	1.25 FT	1.88 FT
CULVERT 2	0.67 FT	30.00 FT	20.00 FT	15.00 FT	1.00 FT	1.50 FT
CULVERT 3	0.67 FT	12.00 FT	18.80 FT	10.00 FT	1.00 FT	1.50 FT
CULVERT 4	0.83 FT	40.00 FT	20.00 FT	20.00 FT	1.25 FT	1.88 FT
FESB104	0.25 FT	8.00 FT	3.75 FT	9.25 FT	0.38 FT	0.56 FT
FESB106	0.25 FT	8.00 FT	3.75 FT	9.25 FT	0.38 FT	0.56 FT
FES606	0.25 FT	8.00 FT	3.75 FT	9.25 FT	0.38 FT	0.56 FT
FES609	0.25 FT	8.00 FT	3.75 FT	9.25 FT	0.38 FT	0.56 FT
PE600	0.25 FT	8.00 FT	3.75 FT	9.25 FT	0.38 FT	0.56 FT
PE6000	0.25 FT	8.00 FT	3.75 FT	9.25 FT	0.38 FT	0.56 FT
HW1101	0.50 FT	9.00 FT	4.50 FT	10.50 FT	0.75 FT	1.13 FT
FES1300	0.50 FT	9.00 FT	4.50 FT	10.50 FT	0.75 FT	1.13 FT
FES1400	0.50 FT	12.00 FT	6.00 FT	14.00 FT	0.75 FT	1.13 FT
PE-1500	0.40 FT	12.00 FT	4.50 FT	13.50 FT	0.60 FT	0.90 FT

SCM 2

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
CB-203	380.72	24" 18" 15"	371.00 (N) 365.54 (NE) 374.84 (W)	364.54 (S)	30"	DCB-202
CB-204	381.20	18"	365.92 (E)	365.82 (SW)	18"	CB-203
CB-205	383.25	24" 15"	375.27 (N) 379.07 (NE)	375.17 (S)	24"	CB-203
CB-206	383.54			379.50 (SW)	15"	CB-205
CB-207	385.65	24" 15"	378.70 (NW) 380.78 (NE)	378.60 (S)	24"	CB-205
CB-208	385.72			380.92 (SW)	15"	CB-207
CB-209	389.00	24" 15"	382.66 (NW) 383.51 (NE)	382.46 (SE)	24"	CB-207
CB-210	389.01			383.81 (SW)	15"	CB-209
CB-212	391.83	24"	385.14 (N)	385.04 (SE)	24"	CB-209
CB-213	392.64	24"	385.63 (NW)	385.53 (S)	24"	CB-212
CB-214	394.54	18" 24"	387.30 (W) 386.75 (N)	386.55 (SE)	24"	CB-213
CB-215	394.55	18"	389.80 (SW)	387.70 (E)	18"	CB-214
CB-216	395.25	18" 15"	391.00 (W) 391.00 (SW)	390.80 (NE)	18"	CB-215
CB-217	395.26			391.17 (NE)	15"	CB-216
CB-218	396.49	15"	392.37 (W)	392.12 (E)	18"	CB-216
CB-219	401.08	15"	396.24 (SW)	396.04 (E)	15"	CB-218
CB-220	401.45			396.41 (NE)	15"	CB-219
CB-223	393.90	24"	389.16 (W) 388.96 (N)	388.96 (N)	24"	TCB-222
CB-224	394.48	15" 15"	390.07 (W) 390.90 (N)	389.00 (S)	24"	DCB-221
CB-225	394.37			390.25 (E)	15"	CB-224

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
CB-226	400.65	15"	396.57 (W)	396.37 (S)	15"	CB-224
CB-227	400.58			396.75 (E)	15"	CB-226
CB-252	384.38	30" 24"	373.28 (W) 376.79 (N)	373.08 (E)	30"	DMH-251
CB-253	386.49	24"	380.95 (N)	379.20 (S)	24"	CB-252
CB-254	388.52	24"	382.40 (NE)	382.30 (S)	24"	CB-253
CB-255	390.80	24" 24"	384.85 (W) 394.38 (N)	384.28 (SW)	24"	CB-254
CB-256	391.87	15" 18"	386.69 (NW) 385.41 (N)	384.91 (S)	24"	CB-255
CB-257	393.39			387.54 (S)	18"	CB-256
CB-259	391.20	15" 18"	386.47 (S) 386.47 (N)	386.27 (NE)	18"	DCB-258
CB-260	391.21			387.02 (N)	15"	CB-259
CB-261	394.52	18"	389.96 (NW)	389.86 (E)	18"	CB-259
CB-262	396.88	15" 15"	392.45 (S) 392.64 (W)	392.25 (SE)	18"	CB-261
CB-263	396.86	15"	392.83 (S)	392.73 (N)	15"	CB-262
CB-264	396.56			393.04 (N)	15"	CB-263
CB-265	397.85	15"	393.42 (S)	393.22 (E)	15"	CB-262
CB-266	397.84			393.70 (N)	15"	CB-265
CB-267	384.37	24" 24"	373.75 (S) 373.70 (NW)	373.50 (E)	30"	CB-252
CB-270	385.94	15" 15"	377.68 (E) 377.68 (N)	377.48 (N)	15"	TCB-268
CB-271	385.88	15"	378.15 (E)	377.95 (W)	15"	CB-270
CB-272	391.61	15"	378.77 (E)	378.57 (N)	15"	CB-270

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
CB-273	391.63	15"	380.80 (E)	378.90 (W)	15"	CB-272
CB-279	386.77	24" 18"	374.20 (N) 378.86 (W)	374.00 (SE)	24"	CB-267
CB-280	386.78	18"	378.10 (NE)	374.50 (S)	24"	CB-279
CB-281	385.90	15"	378.67 (N)	379.47 (SW)	18"	CB-280
CB-282	387.00	15"	380.94 (NW)	380.74 (S)	15"	CB-281
CB-283	390.51	18" 18"	383.07 (W) 379.85 (S)	379.65 (E)	18"	CB-279
CB-285	392.15	18"	385.54 (W)	385.44 (E)	18"	CB-283
CB-286	393.69	15" 15"	387.95 (NE) 387.95 (W)	387.64 (E)	18"	CB-285
CB-287	393.67	15"	388.20 (N)	388.10 (SW)	15"	CB-286
CB-288	393.66			389.15 (S)	15"	CB-287
CB-289	396.85	15"	390.35 (N)	390.15 (E)	15"	CB-286
CB-2906	396.86	15"	391.75 (NE)	390.51 (S)	15"	CB-289
DCB-202	379.67	30"	363.77 (N)	363.67 (S)	30"	DI-201
DCB-221	393.48	24" 24"	388.29 (W) 388.32 (N)	388.09 (S)	24"	CB-214
DCB-258	390.80	18"	385.65 (SW)	385.15 (E)	24"	CB-255
DCB-269	384.04			374.45 (W)	24"	TCB-268
DI-201	376.59	30"	363.22 (N)	352.00 (S)	36"	FES-200
DI-228	379.24	18"	367.49 (N)	367.29 (W)	18"	CB-204
DI-229	376.78	18"	366.24 (N)	368.12 (S)	18"	DI-228
DI-230	377.50	18"	369.26 (NW)	369.16 (S)	18"	DI-229

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
DI-231	376.32	18"	370.50 (NW)	370.40 (SE)	18"	DI-230
DI-232	381.75	18"	375.50 (NW)	375.40 (SE)	18"	DI-231
DI-233	386.68	15"	381.75 (N)	381.50 (SE)	18"	DI-232
DI-234	392.16	15"	385.88 (N)	385.38 (S)	15"	DI-233
DI-235	398.17			393.03 (S)	15"	DI-234
DI-236	396.56	18" 18"	389.88 (N) 391.78 (NW)	389.68 (E)	24"	CB-223
DI-237	394.75	18"	391.10 (N)	390.17 (S)	18"	DI-236
DI-238	402.00			398.50 (SE)	18"	DI-238
DI-274	385.65			381.00 (W)	15"	CB-273
DI-275	384.04			380.00 (W)	15"	CB-271
DI-276	393.28	15"	388.68 (W)	388.48 (SE)	15"	CB-256
DI-277	396.12	15"	391.95 (W)	391.85 (E)	15"	DI-276
DI-278	398.33			394.10 (E)	15"	DI-277
DI-290	388.14	15"	383.53 (W)	383.33 (SE)	15"	CB-282
DI-291	390.96	15"	386.98 (W)	386.78 (E)	15"	DI-290
DI-292	394.59			390.75 (E)	15"	DI-291
DI-293	383.89	15" 18"	380.80 (W) 380.44 (S)	380.24 (N)	18"	CB-283
DI-294	388.87	15"	385.24 (W)	385.04 (E)	15"	DI-293
DI-295	392.33	15"	388.08 (W)	387.98 (E)	15"	DI-294
DI-296	396.79			392.54 (E)	15"	DI-295

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
DI-297	385.49	18"	381.70 (S)	381.50 (N)	18"	DI-293
DI-298	389.62			385.12 (N)	18"	DI-297
DI-299	395.73	18"	391.70 (N)	391.50 (S)	18"	DI-237
DI-2000	401.37			397.50 (S)	18"	DI-299
DI-2001	377.00	15"	371.80 (N)	371.60 (S)	15"	DI-2008
DI-2002	382.00	15"	378.20 (N)	378.00 (S)	15"	DI-2001
DI-2003	384.91			380.19 (S)	15"	DI-2002
DI-2004	378.50	15"	375.85 (N)	375.65 (E)	15"	CB-203
DI-2005	385.58			380.57 (S)	15"	DI-2004
DI-2007	396.35			392.50 (SW)	15"	CB-2006
DI-2008	374.82	15"	365.88 (N)	365.68 (S)	15"	DMH-251
DMH-251	371.41	30" 15"	362.00 (W) 365.90 (N)	355.00 (E)	30"	FES-250
FES-250		36"	351.25 (N)			
FES-250		30"	351.50 (W)			
FES-2000		24"	345.10 (N)			
R-2001				346.00 (S)	24"	FES-2000
DCB-222	393.48	24"	388.67 (S) 388.47 (E)	388.47 (E)	24"	DCB-221
TCB-268	384.00	24" 15"	374.20 (E) 376.25 (S)	374.00 (N)	24"	CB-267

PIPE TABLE				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
CB-203 TO CB-205	24"	81.43'	5.12%	RCP
CB-205 TO CB-206	15"	28.49'	1.50%	RCP
CB-205 TO CB-207	24"	76.88'	4.33%	RCP
CB-207 TO CB-209	24"	106.77'	3.52%	RCP
CB-209 TO CB-212	24"	95.23'	2.50%	RCP
CB-207 TO CB-208	15"	27.34'	0.51%	RCP
CB-209 TO CB-210	15"	27.00'	1.12%	RCP
CB-270 TO CB-272	15"	178.50'	0.50%	RCP
TCB-268 TO CB-270	15"	120.16'	1.02%	RCP
CB-267 TO TCB-268	24"	49.30'	0.51%	RCP
CB-270 TO CB-271	15"	27.04'	1.00%	RCP
TCB-268 TO DCB-269	24"	26.97'	0.92%	RCP
CB-286 TO CB-289	15"	146.68'	1.50%	RCP
CB-286 TO CB-287	15"	27.01'	0.56%	RCP
CB-285 TO CB-286	18"	74.03'	2.84%	RCP
CB-283 TO CB-285	18"	69.27'	3.43%	RCP
CB-279 TO CB-283	18"	89.27'	0.88%	RCP
CB-279 TO CB-280	24"	27.00'	1.11%	RCP
CB-287 TO CB-279	24"	46.29'	0.65%	RCP
CB-280 TO CB-281	18"	44.85'	0.82%	RCP

PIPE TABLE				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
CB-253A TO CB-254	24"	98.11'	1.38%	RCP
CB-262 TO CB-265	15"	78.98'	0.74%	RCP
CB-261 TO CB-262	18"	75.26'	3.04%	RCP
CB-259 TO CB-261	18"	82.20'	4.12%	RCP
DCB-258 TO CB-259	18"	45.73'	1.36%	RCP
CB-255 TO DCB-258	24"	35.00'	0.86%	RCP
CB-254 TO CB-255	24"	121.84'	1.54%	RCP
CB-262 TO CB-263	15"	35.02'	0.80%	RCP
CB-259 TO CB-260	15"	35.00'	1.57%	RCP
CB-255 TO CB-256	24"	55.22'	0.96%	RCP
CB-214 TO CB-215	18"	35.00'	1.15%	RCP
CB-215 TO CB-216	18"	42.03'	2.38%	RCP
CB-216 TO CB-218	18"	66.89'	1.67%	RCP
CB-218 TO CB-219	15"	200.10'	1.83%	RCP
CB-219 TO CB-220	15"	31.34'	0.54%	RCP
CB-216 TO CB-217	15"	27.01'	0.64%	RCP
CB-214 TO DCB-221	24"	136.26'	0.96%	RCP
DCB-221 TO CB-224	24"	84.89'	0.80%	RCP
CB-224 TO CB-226	15"	162.56'	3.36%	RCP
DCB-221 TO DCB-222	24"	35.00'	0.51%	RCP

PIPE TABLE				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
CB-224 TO CB-225	15"	35.32'	0.50%	RCP
CB-226 TO CB-227	15"	35.07'	0.50%	RCP
CB-263 TO CB-264	15"	26.33'	0.80%	RCP
CB-287 TO CB-288	15"	24.63'	3.86%	RCP
CB-281 TO CB-282	15"	59.41'	1.80%	RCP
DI-290 TO DI-291	15"	68.73'	4.73%	RCP
DI-291 TO DI-292	15"	88.66'	4.25%	RCP
DI-277 TO DI-278	15"	100.00'	2.15%	RCP
CB-256 TO CB-257	18"	78.86'	2.70%	RCP
DI-276 TO DI-277	15"	93.80'	3.38%	RCP
CB-212 TO CB-213	24"	38.74'	1.01%	RCP
CB-265 TO CB-266	15"	35.01'	0.80%	RCP
CB-256 TO DI-276	15"	69.90'	2.80%	RCP
CB-272 TO CB-273	15"	26.99'	0.50%	RCP
CB-252 TO CB-267	30"	27.04'	0.81%	RCP
FES-250 TO DMH-251	30"	94.53'	3.70%	RCP
DMH-251 TO CB-252	30"	146.81'	7.56%	RCP
CB-252 TO CB-253	24"	112.90'	2.13%	RCP
CB-282 TO DI-290	15"	34.75'	6.88%	RCP
CB-223 TO DI-236	24"	104.31'	0.50%	RCP

PIPE TABLE				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
DI-236 TO DI-238	18"	224.47'	2.99%	RCP

PIPE TABLE				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
DI-234 TO DI-235	15"	168.36'	4.43%	RCP

- STORM STRUCTURE NOTES:
- FES = FLARED END SECTION
 - DI = GRATED YARD INLET
 - CB = CATCH BASIN
 - DCB = DOUBLE CATCH BASIN
 - TCB = TRIPLE CATCH BASIN
 - HW = HEADWALL
 - PE = PIPE END

- ALL YARD INLETS SHALL HAVE 4'X4' INSIDE DIMENSION UNLESS OTHERWISE NOTED.
- RIM ELEVATION GIVEN FOR DI IS FLOW LINE.
- RIM ELEVATION GIVEN FOR YI IS FLOW LINE, NOT TOP OF SLAB.
- RIM ELEVATION GIVEN FOR CB IS TOP OF CURB, NOT FLOW LINE.
- PIPE LENGTH INCLUDES FES LENGTH.

NOTE: HP STORM (POLYPROPYLENE) PIPE THAT EXCEEDS OR MEETS ASTM F2881 AND AASHTO M330 MAY BE USED IN LIEU OF RCP IN ALL AREAS EXCEPT SOM OUTLET PIPE.

PIPE TABLE				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
FES-300 TO DI-301	24"	171.78'	1.63%	RCP
DI-301 TO CB-302	24"	186.13'	2.70%	RCP
CB-302 TO CB-303	15"	35.00'	0.86%	RCP
CB-302 TO CB-313	15"	173.85'	0.75%	RCP
CB-313 TO CB-314	15"	35.14'	0.50%	RCP
CB-302 TO CB-304	24"	70.79'	1.94%	RCP
CB-305 TO CB-309	24"	78.18'	0.51%	RCP
CB-304 TO CB-305	24"	50.05'	1.50%	RCP
CB-363 TO CB-364	15"	42.43'	0.54%	RCP
CB-362 TO CB-363	15"	35.00'	0.57%	RCP
CB-310 TO DCB-311	24"	93.43'	0.67%	RCP
CB-372 TO CB-374	15"	122.19'	0.50%	RCP
DCB-370 TO TCB-371	15"	78.15'	0.52%	RCP
CB-374 TO CB-375	15"	43.43'	0.50%	RCP
CB-372 TO CB-373	15"	35.00'	1.00%	RCP
DCB-370 TO TCB-371	24"	35.02'	0.72%	RCP
CB-368A TO DCB-370	30"	111.75'	0.50%	RCP
CB-368B TO CB-368A	30"	48.59'	0.52%	RCP
CB-361 TO CB-362	15"	84.50'	1.42%	RCP
CB-368A TO CB-369	15"	35.00'	0.51%	RCP

PIPE TABLE				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
CB-361 TO CB-367	15"	35.21'	1.02%	RCP
CB-364 TO CB-365	15"	38.69'	0.70%	RCP
TCB-371 TO DI-376	24"	126.99'	1.26%	RCP
DCB-311 TO TCB-312	18"	35.00'	0.50%	RCP
CB-305 TO CB-306	18"	35.05'	0.50%	RCP
CB-306 TO CB-307	18"	56.05'	1.43%	RCP
CB-307 TO CB-308	18"	35.00'	1.00%	RCP
DI-359 TO CB-361	30"	44.87'	0.68%	RCP
DI-355 TO DI-356	30"	69.34'	0.50%	RCP
FES-350 TO DMH-351	36"	233.35'	0.50%	RCP
DMH-351 TO DMH-354	30"	123.21'	2.35%	RCP
FES-3001 TO R-3002	24"	59.05'	4.23%	RCP
FES-3003 TO YI-3004	36"	248.37'	0.70%	RCP
CB-309 TO CB-310	24"	80.79'	0.62%	RCP
DI-355 TO DI-357	18"	26.65'	1.13%	RCP
DI-357 TO DI-358	18"	76.16'	0.72%	RCP
DI-358 TO DI-359	18"	86.94'	1.19%	RCP
DI-359 TO DI-360	18"	159.66'	2.14%	RCP
DMH-354 TO DI-355	30"	79.21'	0.50%	RCP
DI-379 TO DI-352	18"	160.79'	1.01%	RCP

SCM 3

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
CB-302	405.83	15" 15"	388.70 (NE) 391.72 (SE) 394.58 (NW)	391.52 (SW)	24"	DI-301
CB-303	405.85			399.00 (SW)	15"	CB-302
CB-304	408.06	24"	396.05 (NW)	395.95 (SE)	24"	CB-302
CB-305	409.39	18" 24"	399.62 (NE) 397.00 (NW)	396.80 (SE)	24"	CB-304
CB-306	409.18	18"	400.00 (E)	399.80 (SW)	18"	CB-305
CB-307	408.51	18"	402.45 (SE)	400.80 (W)	18"	CB-306
CB-308	408.51			402.80 (NW)	18"	CB-307
CB-309	410.42	24"	397.80 (W)	397.40 (SE)	24"	CB-305
CB-310	410.09	24"	398.20 (W)	398.10 (E)	24"	CB-309
CB-313	398.03	15"	393.22 (NE) 393.02 (NW)		15"	CB-302
CB-314	398.15			393.40 (SW)	15"	CB-313
CB-361	404.85	15" 15"	397.80 (E) 394.52 (NW)	389.24 (S)	30"	DI-356
CB-362	406.04	15"	399.00 (N)	398.80 (W)	15"	CB-361
CB-363	406.27	15"	399.30 (NE)	399.20 (S)	15"	CB-362
CB-364	408.24	15" 15"	399.73 (NE) 403.53 (S)	399.53 (SW)	15"	CB-363
CB-365	409.62			400.00 (SW)	15"	CB-364
CB-367	404.94	15"	399.70 (NW)	395.18 (SE)	15"	CB-361
CB-368A	401.58	15" 30"	391.01 (NW) 390.24 (S)	390.14 (NE)	30"	CB-368B
CB-368B	403.05	30"	389.88 (SW)	389.68 (E)	30"	DI-356
CB-372	400.83	15" 15"	392.16 (W) 392.16 (S)	391.96 (N)	15"	DCB-370

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
CB-374	402.60	15"	392.97 (W)	392.77 (N)	15"	CB-372
CB-375	402.82			393.19 (E)	15"	CB-374
CB-381	411.23			406.58 (S)	15"	CB-364
DCB-311	409.12	18"	399.32 (N)	398.83 (E)	24"	CB-310
DCB-369	401.58			391.19 (SE)	15"	CB-368A
DCB-370	400.18	15" 24"	391.55 (S) 391.00 (W)	390.80 (N)	30"	CB-368A
DCB-371	400.18	24"	391.55 (W)	391.25 (E)	24"	DCB-370
DCB-373	400.83			392.51 (E)	15"	CB-372
DI-301	395.35	24"	386.50 (NE)	386.30 (SW)	24"	FES-300
DI-352	408.56			405.35 (W)	18"	DI-379
DI-355	394.14	30" 18"	388.48 (NW) 389.80 (S)	388.38 (E)	30"	DMH-354
DI-356	399.99	30" 30"	388.83 (N) 389.33 (W)	388.83 (SE)	30"	DI-355
DI-357	398.47	18"	390.20 (SW)	390.10 (N)	18"	DI-355
DI-358	398.56	18"	390.85 (S)	390.75 (NE)	18"	DI-357
DI-359	397.04	18"	392.08 (S)	391.88 (N)	18"	DI-358
DI-360	399.55			395.50 (N)	18"	DI-359
DI-368	406.57			400.00 (SE)	15"	CB-367
DI-376	398.87	18"	393.55 (N)	393.15 (E)	24"	DCB-371
DI-377	402.92	18"	394.80 (NE)	394.60 (S)	18"	DI-376
DI-378	404.73			397.47 (SW)	18"	DI-377

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
DI-379	406.73	18" 18"	398.30 (W) 403.75 (E)	389.17 (S)	18"	DMH-351
DI-380	404.52			400.13 (E)	18"	DI-379
DMH-351	394.07	30" 18"	384.88 (W) 386.00 (N)	384.18 (SE)	36"	FES-350
DMH-354	393.32	30"	387.98 (W)	387.78 (E)	30"	DMH-351
FES-300		24"	383.50 (NE)			
FES-350		36"	383.01 (NW)			
FES-3003		36"	379.40 (N)			
HW-3001		24"	376.50 (NW)			
R-3002				379.00 (SE)	24"	HW-3001
TCB-312	409.12			399.50 (S)	18"	DCB-311
YI-3004	396.06			381.14 (S)	36"	FES-3003

SCM 4

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
CB-407	394.71	18"	390.12 (NE)	389.92 (SE)	18"	DCB-406
CB-408	395.58	15"	390.45 (NE)	390.25 (SE)	15"	DCB-405
CB-409	395.63			390.80 (SW)	15"	CB-408
CB-410	395.73	15"	389.53 (SE)	389.33 (NW)	15"	DCB-405
CB-411	396.56	15"	391.93 (E)	391.73 (NW)	15"	CB-410
CB-412	396.96			392.21 (W)	15"	CB-411
CB-452	391.82	18" 24" 18"	380.20 (SW) 380.20 (NE) 380.20 (SE)	380.00 (NW)	30"	DI-451
CB-453	391.82	18"	380.67 (NE)	380.47 (NW)	18"	CB-452
CB-454	392.19	18"	380.92 (SE)	380.72 (SW)	18"	CB-453
CB-455	395.73	15"	381.13 (S)	380.88 (NE)	18"	CB-452
CB-456	384.76			381.30 (N)	15"	CB-455
CB-457	395.52	18" 15"	382.03 (NE) 387.87 (SE)	381.53 (SW)	24"	CB-452
CB-458	395.52			388.01 (NW)	15"	CB-457
CB-459	398.37	15" 18"	391.54 (SE) 383.12 (NE)	383.02 (SW)	18"	CB-457
CB-460	398.37			391.68 (NW)	15"	CB-459
CB-461	398.54	18"	383.81 (NE)	383.71 (SW)	18"	CB-459
CB-462	397.25	15" 15"	384.41 (SE) 388.75 (N)	384.21 (SW)	18"	CB-461
CB-463	397.21	15"	384.81 (SE)	384.61 (NW)	15"	CB-462
CB-464	398.44			393.59 (S)	15"	CB-462
CB-466	394.87	15"	385.38 (SE)	385.16 (NW)	15"	CB-463

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
CB-467	390.35	15" 15"	385.97 (NE) 385.97 (SW)	385.77 (NW)	15"	CB-466
CB-468	390.28			386.15 (SW)	15"	CB-467
CB-4025	379.99	18"	374.88 (SE)	374.68 (SW)	18"	DCB-4022
CB-4026	380.93			375.93 (NW)	18"	CB-4025
DCB-405	394.69	15" 15"	388.75 (SE) 389.00 (NE) 389.34 (NW)	388.00 (SW)	24"	DI-401
DCB-406	394.69	18"	389.85 (NW)	389.65 (SW)	18"	DCB-405
DCB-4022	376.70	18"	387.03 (NE)	359.00 (W)	18"	DI-4021
DI-401	393.75	24" 18"	382.70 (NE) 380.00 (NW)	382.50 (S)	24"	FES-400
DI-402	391.30	18"	386.79 (NW)	386.59 (SE)	18"	DI-401
DI-403	398.87	18"	393.04 (NW)	392.84 (SE)	18"	DI-402
DI-404	401.81			397.32 (SE)	18"	DI-403
DI-415	394.38	18" 18"	390.90 (SE) 390.90 (NW)	390.70 (SW)	18"	CB-407
DI-416	396.47	18"	391.63 (SE)	391.53 (NW)	18"	DI-415
DI-451	386.93	30" 18"	373.21 (SE) 380.21 (SW)	379.11 (N)	30"	FES-450
DI-469	392.81	15"	389.35 (SW)	387.35 (NE)	15"	CB-467
DI-470	390.20	15" 15"	384.28 (NE) 381.87 (SW)	381.67 (NW)	18"	CB-454
DI-471	391.66	15"	386.00 (NE)	385.80 (SW)	15"	DI-470
DI-472	385.57			382.51 (NE)	15"	DI-470
DI-473	395.47			388.02 (SW)	15"	DI-471
DI-474	396.41			390.57 (NE)	15"	DI-469

STRUCTURE DATA TABLE						
STRUCTURE NAME	RIM ELEV.	PIPE IN SIZE	INV. IN	INV. OUT	PIPE OUT SIZE	PIPE OUT TO NODE
DI-476	392.51	15"	386.22 (NE)	384.00 (NW)	15"	FES-475
DI-477	394.56	15"	389.13 (NE)	388.93 (SW)	15"	DI-476
DI-478	398.12			392.68 (SW)	15"	DI-477
DI-479	388.15	18"	381.25 (SW)	381.05 (NE)	18"	DI-451
DI-480	365.25			381.75 (NE)	18"	DI-479
DI-481	398.43	18"	393.02 (SE)	392.92 (NW)	18"	DI-416
DI-482	398.43			394.43 (NW)	18"	DI-481
DI-483	397.03	18"	392.53 (NW)	392.43 (SE)	18"	DI-415
DI-484	400.59	18"	396.09 (NW)	395.99 (SE)	18"	DI-483
DI-485	404.39			399.89 (SE)	18"	DI-484
DI-4021	360.75	24" 18"	357.00 (N) 357.00 (E)	356.80 (W)	24"	HW-4020
DI-4023	367.76	18"	361.00 (NE)	357.90 (S)	24"	DI-4021
DI-4024	379.70			362.00 (SW)	18"	DI-4023
DI-4101	376.06			368.50 (W)	15"	FES-4100
FES-400		24"	380.50 (N)			
FES-450		30"	378.99 (S)			
FES-475		15"	380.50 (SE)			
FES-4100		15"	364.88 (E)			
HW-4000		24"	373.26 (E)			
HW-4020		24"	355.00 (E)			

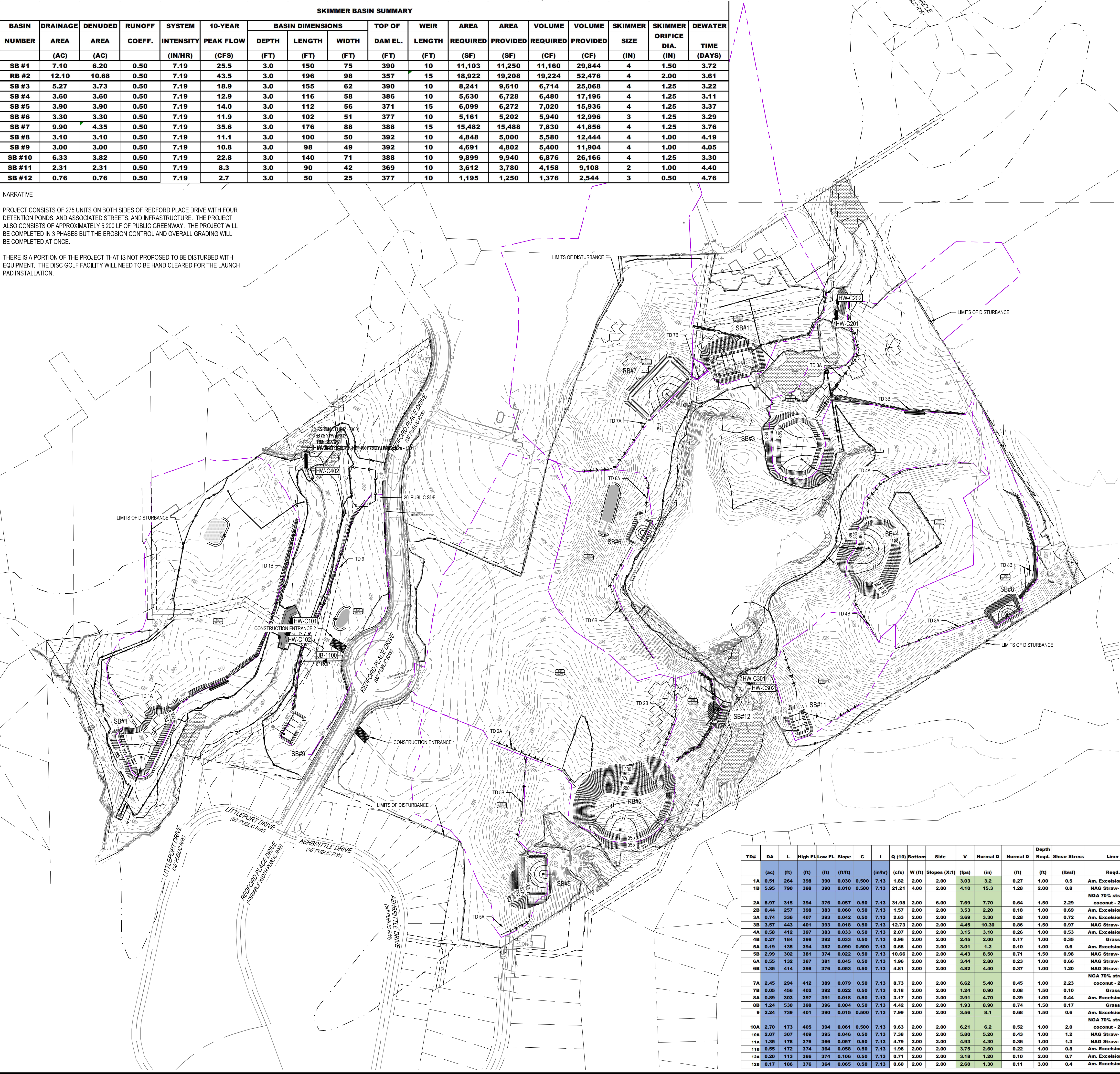
PIPE TABLE				
NAME	SIZE	LENGTH	SLOPE	MATERIAL
CB-452 TO CB-455	18"	133.49'	0.51%	RCP
CB-452 TO CB-457	24"	133.00'	1.00%	RCP
CB-455 TO CB-456	15"	34.00'	0.50%	RCP
CB-452 TO CB-453	18"	27.00'	1.00%	RCP
CB-457 TO CB-458	15"	27.02'	0.50%	RCP
FES-400 TO DI-401	24"	211.73'	0.94%	RCP

SKIMMER BASIN SUMMARY																	
BASIN NUMBER	DRAINAGE AREA (AC)	DENUDED AREA (AC)	RUNOFF COEFF.	SYSTEM INTENSITY (IN/HR)	10-YEAR PEAK FLOW (CFS)	BASIN DIMENSIONS			TOP OF DAM EL.	WEIR LENGTH (FT)	AREA REQUIRED (SF)	AREA PROVIDED (SF)	VOLUME REQUIRED (CF)	VOLUME PROVIDED (CF)	SKIMMER SIZE (IN)	SKIMMER ORIFICE DIA. (IN)	DEWATER TIME (DAYS)
						DEPTH (FT)	LENGTH (FT)	WIDTH (FT)									
SB #1	7.10	6.20	0.50	7.19	25.5	3.0	150	75	390	10	11,103	11,250	11,160	29,844	4	1.50	3.72
RB #2	12.10	10.68	0.50	7.19	43.5	3.0	196	98	357	15	18,922	19,208	19,224	52,476	4	2.00	3.61
SB #3	5.27	3.73	0.50	7.19	18.9	3.0	155	62	390	10	8,241	9,610	6,714	25,068	4	1.25	3.22
SB #4	3.60	3.60	0.50	7.19	12.9	3.0	116	58	386	10	5,630	6,728	6,480	17,196	4	1.25	3.11
SB #5	3.90	3.90	0.50	7.19	14.0	3.0	112	56	371	15	6,099	6,272	7,020	15,936	4	1.25	3.37
SB #6	3.30	3.30	0.50	7.19	11.9	3.0	102	51	377	10	5,161	5,202	5,940	12,996	3	1.25	3.29
SB #7	9.90	4.35	0.50	7.19	35.6	3.0	176	88	388	15	15,482	15,488	7,830	41,856	4	1.25	3.76
SB #8	3.10	3.10	0.50	7.19	11.1	3.0	100	50	392	10	4,848	5,000	5,580	12,444	4	1.00	4.19
SB #9	3.00	3.00	0.50	7.19	10.8	3.0	98	49	392	10	4,691	4,802	5,400	11,904	4	1.00	4.05
SB #10	6.33	3.82	0.50	7.19	22.8	3.0	140	71	388	10	9,899	9,940	6,876	26,166	4	1.25	3.30
SB #11	2.31	2.31	0.50	7.19	8.3	3.0	90	42	369	10	3,612	3,780	4,158	9,108	2	1.00	4.40
SB #12	0.76	0.76	0.50	7.19	2.7	3.0	50	25	377	10	1,195	1,250	1,376	2,544	3	0.50	4.76

NARRATIVE

PROJECT CONSISTS OF 275 UNITS ON BOTH SIDES OF REDFORD PLACE DRIVE WITH FOUR DETENTION PONDS, AND ASSOCIATED STREETS, AND INFRASTRUCTURE. THE PROJECT ALSO CONSISTS OF APPROXIMATELY 5,200 LF OF PUBLIC GREENWAY. THE PROJECT WILL BE COMPLETED IN 3 PHASES BUT THE EROSION CONTROL AND OVERALL GRADING WILL BE COMPLETED AT ONCE.

THERE IS A PORTION OF THE PROJECT THAT IS NOT PROPOSED TO BE DISTURBED WITH EQUIPMENT. THE DISC GOLF FACILITY WILL NEED TO BE HAND CLEARED FOR THE LAUNCH PAD INSTALLATION.



EROSION CONTROL LEGEND

- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- DIRECTION OF OVERLAND FLOW
- DIRECTION OF OVERLAND FLOW
- RIP RAP APRON
- CONSTRUCTION ENTRANCE / EXIT
- EROSION CONTROL MATTING (NAG S150BN)
- LIMITS OF DISTURBANCE
- TEMPORARY DIVERSION DITCH OR BERM
- TEMP SILT FENCE WITH OUTLET
- TEMP TREE PROTECTION FENCE
- CHECK DAM
- SEDIMENTATION CHAMBER BERM
- SLOPE DRAIN WITH RIP-RAP APRON
- TEMPORARY RISER SKIMMER SEDIMENT BASIN
- PIPE INLET PROTECTION
- INLET PROTECTION
- EXCAVATED INLET PROTECTION
- ROCK OUTCROP
- LIMIT OF DRAINAGE AREA

CONSTRUCTION SEQUENCE - PHASE 1

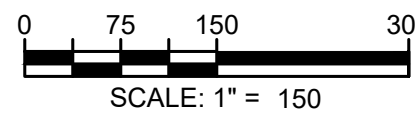
- INSTALL TREE PROTECTION FENCING PER THE APPROVED PLAN. SCHEDULE A PRECONSTRUCTION CONFERENCE WITH WAKE COUNTY. OBTAIN A LAND DISTURBING PERMIT.
- INSTALL GRAVEL CONSTRUCTION PAD, SILT FENCE, AND BRIDGEMATS AT STREAM CROSSINGS TO ACCESS AREAS ON EACH SIDE OF THE STREAMS. SEE SHEETS C7-4 - C7-7 FOR TEMPORARY CHANNEL SIZING AND CULVERT INSTALLATION SEQUENCING.
- INSTALL TEMPORARY DIVERSIONS, SKIMMER BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS, BERMS AND BASINS IMMEDIATELY AFTER CONSTRUCTION.
- INSTALL THE OUTLET FOR SB4 AND THE BYPASS LINE FROM FES3003 - Y13004 WITH INLET PROTECTION.
- CALL WAKE COUNTY FOR AN ONSITE INSPECTION BY THE COUNTY TO OBTAIN A CERTIFICATE OF COMPLIANCE.
- 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.

STOCKPILE NOTES:

- SEEDING OR COVERING STOCKPILES WITH TARPS OR MULCH IS REQUIRED TO REDUCE EROSION. TARPS SHOULD BE KEYS IN AT THE TOP OF THE SLOPE TO KEEP WATER FROM RUNNING UNDERNEATH THE PLASTIC.
- IF A STOCKPILE IS TO REMAIN FOR FUTURE USE AFTER THE PROJECT IS COMPLETE, THE FINANCIAL RESPONSIBLE PARTY MUST NOTIFY WAKE COUNTY OF A NEW RESPONSIBLE PARTY FOR THAT STOCKPILE.
- THE APPROVED PLAN SHALL PROVIDE FOR THE USE OF STAGED SEEDING AND MULCHING ON A CONTINUAL BASIS WHILE THE STOCKPILE IS IN USE
- ESTABLISH AND MAINTAIN A VEGETATIVE BUFFER AT THE TOE OF THE SLOPE (WHERE PRACTICAL).

TDF	DA	L	High El.	Low El.	Slope	C	I	Q (10) Bottom	Side	V	Normal D	Normal D	Depth Req.	Shear Stress	Liner	Slope Drain	Check Dam	#	
	(ac)	(ft)	(ft)	(ft)	(ft/ft)		(in/hr)	(cfs)	W (ft)	Slopes (X:1)	(fps)	(in)	(ft)	(ft)	(lb/sf)	Reqd.	Size & Material	Sp. (ft)	Dams
1A	0.51	264	398	390	0.030	0.500	7.13	1.82	2.00	2.00	3.03	3.2	0.27	1.00	0.5	Am. Excelsior - 1 net	15" HDPE	99	3
1B	5.95	790	398	390	0.010	0.500	7.13	21.21	4.00	2.00	4.10	15.3	1.28	2.00	0.8	NAG Straw- 2 nets	24" HDPE	296	3
2A	6.97	315	394	376	0.057	0.50	7.13	31.98	2.00	6.00	7.69	7.70	0.64	1.50	2.29	coconut - 2 nets	224" HDPE	53	6
2B	0.44	257	398	383	0.060	0.50	7.13	1.57	2.00	2.00	3.53	2.20	0.18	1.00	0.69	Am. Excelsior - 1 net	12" HDPE	50	5
3A	0.74	336	407	393	0.042	0.50	7.13	2.63	2.00	2.00	3.69	3.30	0.28	1.00	0.72	Am. Excelsior - 1 net	15" HDPE	72	5
3B	3.57	443	401	393	0.018	0.50	7.13	12.73	2.00	2.00	4.45	10.30	0.86	1.50	0.97	NAG Straw- 2 nets	24" HDPE	166	3
4A	0.58	412	397	383	0.033	0.50	7.13	2.07	2.00	2.00	3.15	3.10	0.26	1.00	0.53	Am. Excelsior - 1 net	15" HDPE	91	5
4B	0.27	184	398	392	0.033	0.50	7.13	0.96	2.00	2.00	2.45	2.90	0.17	1.00	0.35	Grass	12" HDPE	90	2
5A	0.10	135	394	382	0.090	0.500	7.13	0.68	4.00	2.00	3.01	1.2	0.10	1.00	0.6	Am. Excelsior - 1 net	12" HDPE	33	4
5B	2.99	302	381	374	0.022	0.50	7.13	10.66	2.00	2.00	4.43	8.50	0.71	1.50	0.98	NAG Straw- 2 nets	24" HDPE	136	2
6A	0.55	132	387	381	0.045	0.50	7.13	1.96	2.00	2.00	3.44	2.80	0.23	1.00	0.66	NAG Straw- 2 nets	18" HDPE	66	2
6B	1.35	414	398	376	0.053	0.50	7.13	4.81	2.00	2.00	4.82	4.40	0.37	1.00	1.20	NAG Straw- 2 nets	24" HDPE	57	7
7A	2.45	294	412	389	0.079	0.50	7.13	8.73	2.00	2.00	6.62	5.40	0.45	1.00	2.23	NGA 70% straw/30% coconut - 2 nets	24" HDPE	38	8
7B	0.05	456	402	392	0.022	0.50	7.13	0.18	2.00	2.00	1.24	0.90	0.08	1.50	0.10	Grass	12" HDPE	137	3
8A	0.89	303	397	391	0.018	0.50	7.13	3.17	2.00	2.00	2.91	4.70	0.39	1.00	0.44	Am. Excelsior - 1 net	18" HDPE	168	2
8B	1.24	530	398	396	0.004	0.50	7.13	4.42	2.00	2.00	1.93	8.90	0.74	1.50	0.17	Grass	12" HDPE	795	1
9	2.24	739	401	390	0.015	0.500	7.13	7.99	2.00	2.00	3.56	8.1	0.68	1.50	0.6	Am. Excelsior - 1 net	24" HDPE	204	4
10A	2.70	173	405	394	0.061	0.500	7.13	9.63	2.00	2.00	6.21	6.2	0.52	1.00	2.0	NGA 70% straw/30% coconut - 2 nets	24" HDPE	49	4
10B	2.07	307	409	395	0.046	0.50	7.13	7.38	2.00	2.00	5.80	5.20	0.43	1.00	1.2	NAG Straw- 2 nets	24" HDPE	66	5
11A	1.35	178	376	366	0.057	0.50	7.13	4.79	2.00	2.00	4.93	4.30	0.36	1.00	1.3	NAG Straw- 2 nets	24" HDPE	52	3
11B	0.55	172	374	364	0.058	0.50	7.13	1.96	2.00	2.00	3.75	2.60	0.22	1.00	0.8	Am. Excelsior - 1 net	24" HDPE	52	3
12A	0.20	113	386	374	0.106	0.50	7.13	0.71	2.00	2.00	3.18	1.20	0.10	2.00	0.7	Am. Excelsior - 1 net	12" HDPE	28	4
12B	0.17	186	376	364	0.065	0.50	7.13	0.60	2.00	2.00	2.60	1.30	0.11	3.00	0.4	Am. Excelsior - 1 net	12" HDPE	47	4

TOTAL DISTURBED AREA
±62.9 ACRES



02/14/2024
11/2/2024
11/2/2023
10/02/2023
08/01/2023
06/01/2023

PER TOWN OF ROLESVILLE / W/C COMMENTS
PER TOWN OF ROLESVILLE COMMENT
PER TOWN OF ROLESVILLE COMMENT
PER TOWN OF ROLESVILLE COMMENT
PER TOWN OF ROLESVILLE COMMENT
INITIAL SUBMITTAL

DESIGNED BY: DF/CD

DRAWN BY: DF/JWM

REVIEWED BY: DF

LENNA
CORPORAION

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

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

OVERALL PHASE 1 EROSION
CONTROL PLAN

DocuSign
Seal
028892
NORTH CAROLINA
PROFESSIONAL
ENGINEER
JERRA M. FERN
11/13/2024
Dellin Firm

FILE NUMBER:
8430-03

DATE: 03/04/2024

C5-0

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C2-0 - EROS-PH1.dwg Layout: C5-1 ENLARGED PHASE 1 EROSION CONTROL PLAN (1 OF 6) Plotted: 3/4/2024 1:24:28 PM



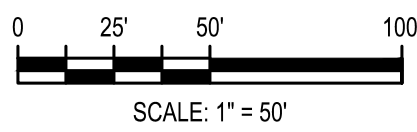
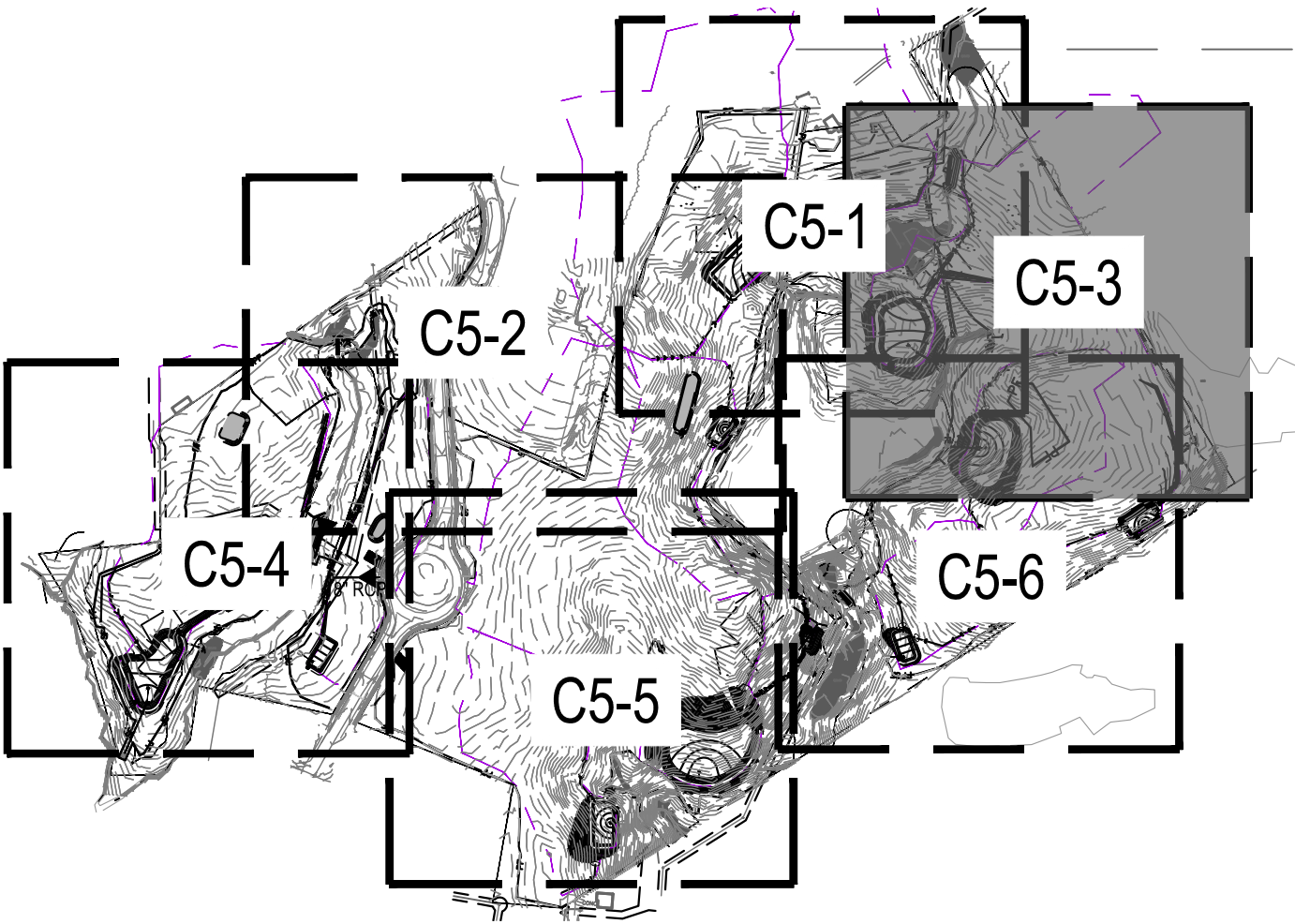
G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C2-0 - EROS-PH1.dwg Layout: C5-2 ENLARGED PHASE 1 EROSION CONTROL PLAN (2 OF 6) Plotted: 3/4/2024 1:24:38 PM



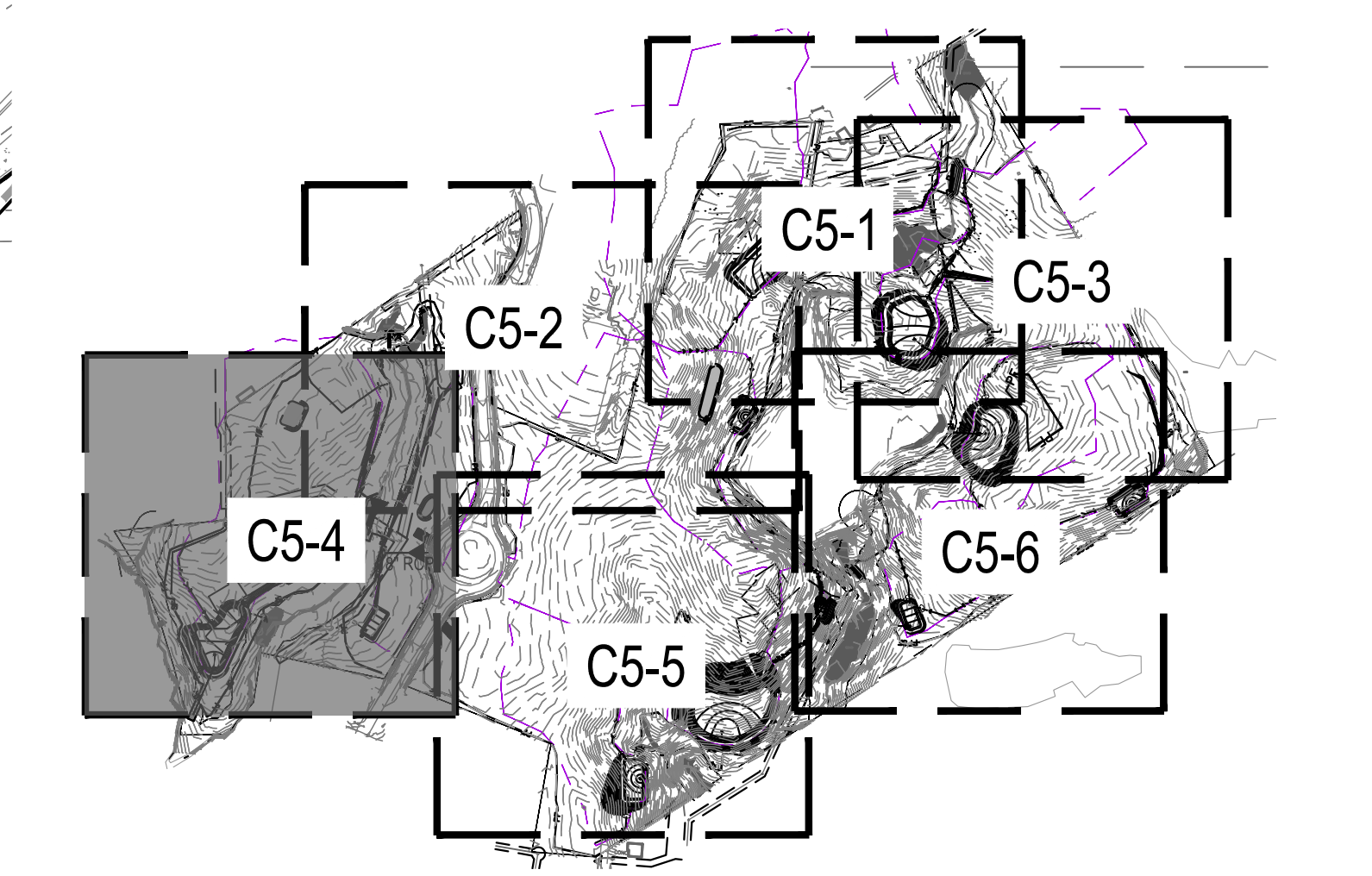
G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C2-0 - EROS-PH1.dwg Layout: C5-3 ENLARGED PHASE 1 EROSION CONTROL PLAN (3 OF 6) Plotted: 3/4/2024 1:24:47 PM



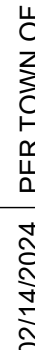
EROSION CONTROL LEGEND	
	PROPERTY LINE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	DIRECTION OF OVERLAND FLOW
	DIRECTION OF OVERLAND FLOW
	RIP RAP APRON
	CONSTRUCTION ENTRANCE / EXIT
	EROSION CONTROL MATTING (NAG S150BN)
	LIMITS OF DISTURBANCE
	TEMPORARY DIVERSION DITCH OR BERM
	TEMP SILT FENCE WITH OUTLET
	TEMP TREE PROTECTION FENCE
	CHECK DAM
	SEDIMENTATION CHAMBER BERM
	SLOPE DRAIN WITH RIP-RAP APRON
	TEMPORARY RISER SKIMMER SEDIMENT BASIN
	PIPE INLET PROTECTION
	INLET PROTECTION
	EXCAVATED INLET PROTECTION
	ROCK OUTCROP

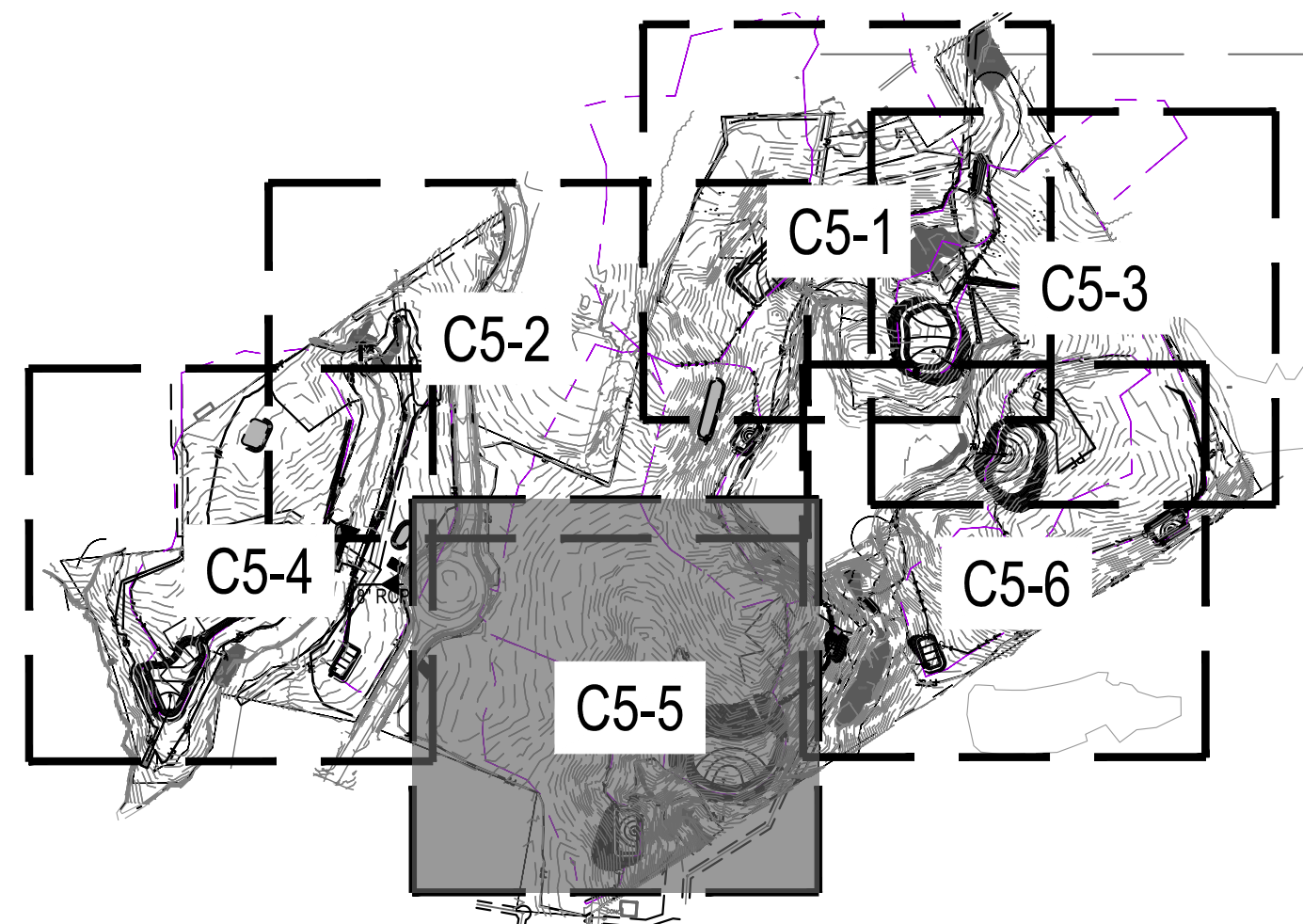


02/14/2024 11/2/2024 11/21/2023 10/02/2023 08/01/2023 REV	PER TOWN OF ROLESVILLE COMMENT	PER TOWN OF ROLESVILLE / IWC COMMENTS
	PER TOWN OF ROLESVILLE COMMENT	PER TOWN OF ROLESVILLE COMMENT
	PER TOWN OF ROLESVILLE COMMENT	PER TOWN OF ROLESVILLE COMMENT
	PER TOWN OF ROLESVILLE COMMENT	PER TOWN OF ROLESVILLE COMMENT
	INITIAL SUBMITTAL	
DESIGNED BY: DF/CD		
DRAWN BY: DF/JWM		
REVIEWED BY: DF		
 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM 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 SITE PLAN (3 OF 7)		
 Debra Fern FILE NUMBER: 8430-03 DATE: 03/04/2024		
C5-3		

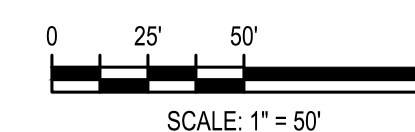


Know what's below.
Call before you dig.

 LENNAR CORPORAION 1100 PERIMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560		PARKER RIDGE 82 SCHOOL STREET ROLESVILLE / NORTH CAROLINA / 27571		ENLARGED PHASE 1 EROSION CONTROL PLAN (4 OF 6)		 Deborah Fenn		FILE NUMBER: 8430-03 DATE: 03/04/2024		C5-4	
 LENNAR CORPORAION 1100 PERIMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560		PARKER RIDGE 82 SCHOOL STREET ROLESVILLE / NORTH CAROLINA / 27571		ENLARGED PHASE 1 EROSION CONTROL PLAN (4 OF 6)		 Deborah Fenn		FILE NUMBER: 8430-03 DATE: 03/04/2024		C5-4	
 LENNAR CORPORAION 1100 PERIMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560		PARKER RIDGE 82 SCHOOL STREET ROLESVILLE / NORTH CAROLINA / 27571		ENLARGED PHASE 1 EROSION CONTROL PLAN (4 OF 6)		Deborah Fenn		FILE NUMBER: 8430-03 DATE: 03/04/2024		C5-4	



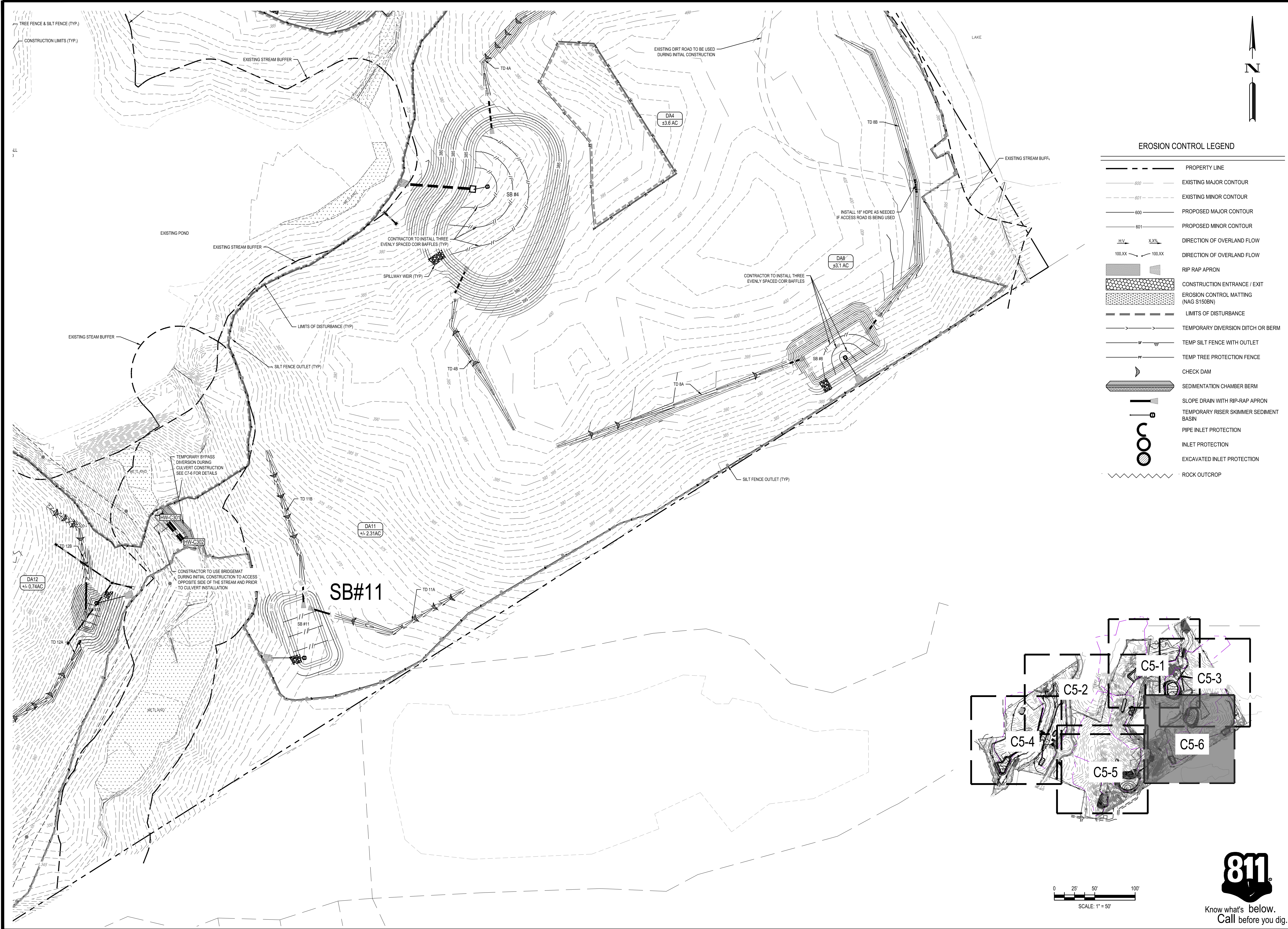
	PROPERTY LINE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	DIRECTION OF OVERLAND FLOW
	DIRECTION OF OVERLAND FLOW
	RIP RAP APRON
	CONSTRUCTION ENTRANCE / EXIT
	EROSION CONTROL MATTING (NAG S150BN)
	LIMITS OF DISTURBANCE
	TEMPORARY DIVERSION DITCH OR BERM
	TEMP SILT FENCE WITH OUTLET
	TEMP TREE PROTECTION FENCE
	CHECK DAM
	SEDIMENTATION CHAMBER BERM
	SLOPE DRAIN WITH RIP-RAP APRON
	TEMPORARY RISER SKIMMER SEDIMENT BASIN
	PIPE INLET PROTECTION
	INLET PROTECTION
	EXCAVATED INLET PROTECTION
	ROCK OUTCROP



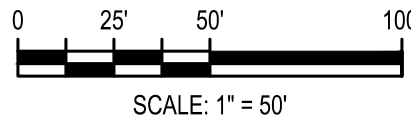
Know what's below.
Call before you dig.

ENLARGED PHASE 1 EROSION CONTROL PLAN (5 OF 6)		LENNAR CORPORAION 1100 PERIMETER PARK DRIVE, SUITE 112 MORRISVILLE / NORTH CAROLINA / 27560		PARKER RIDGE 82 SCHOOL STREET ROLESVILLE / NORTH CAROLINA / 27571		BCE 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM NC LICENSE KC-4397 ©2023		PER TOWN OF ROLESVILLE COMMENT	
						02/14/2024		PER TOWN OF ROLESVILLE / W/C COMMENTS	
						11/12/2024		PER TOWN OF ROLESVILLE COMMENT	
						11/21/2023		PER TOWN OF ROLESVILLE COMMENT	
						10/02/2023		PER TOWN OF ROLESVILLE COMMENT	
						08/01/2023		PER TOWN OF ROLESVILLE COMMENT	
						REV		INITIAL SUBMITTAL	
						DESIGNED BY:		DF/CD	
						DRAWN BY:		DF/JWM	
						REVIEWED BY:		DF	

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C2-0 - EROS-PH1.dwg Layout: C5-6 ENLARGED PHASE 1 EROSION CONTROL PLAN (6 OF 6) Plotted: 3/4/2024 1:25:17 PM



EROSION CONTROL LEGEND	
	PROPERTY LINE
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
	DIRECTION OF OVERLAND FLOW
	DIRECTION OF OVERLAND FLOW
	RIP RAP APRON
	CONSTRUCTION ENTRANCE / EXIT
	EROSION CONTROL MATTING (NAG S150BN)
	LIMITS OF DISTURBANCE
	TEMPORARY DIVERSION DITCH OR BERM
	TEMP SILT FENCE WITH OUTLET
	TEMP TREE PROTECTION FENCE
	CHECK DAM
	SEDIMENTATION CHAMBER BERM
	SLOPE DRAIN WITH RIP-RAP APRON
	TEMPORARY RISER SKIMMER SEDIMENT BASIN
	PIPE INLET PROTECTION
	INLET PROTECTION
	EXCAVATED INLET PROTECTION
	ROCK OUTCROP



Know what's below.
Call before you dig.

02/14/2024	PER TOWN OF ROLESVILLE COMMENT
11/2/2024	PER TOWN OF ROLESVILLE / IWC COMMENTS
11/2/2023	PER TOWN OF ROLESVILLE COMMENT
10/02/2023	PER TOWN OF ROLESVILLE COMMENT
08/01/2023	PER TOWN OF ROLESVILLE COMMENT
06/01/2023	INITIAL SUBMITTAL
DESIGNED BY:	DF/CD
DRAWN BY:	DF/JWM
REVIEWED BY:	DF
 5440 WADE PARK BLVD, SUITE 102 RALEIGH NC 27607 WWW.BCEINC.COM 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 PHASE 1 EROSION CONTROL PLAN (6 OF 6)	
 FILE NUMBER: 8430-03 DATE: 03/04/2024	
C5-6	