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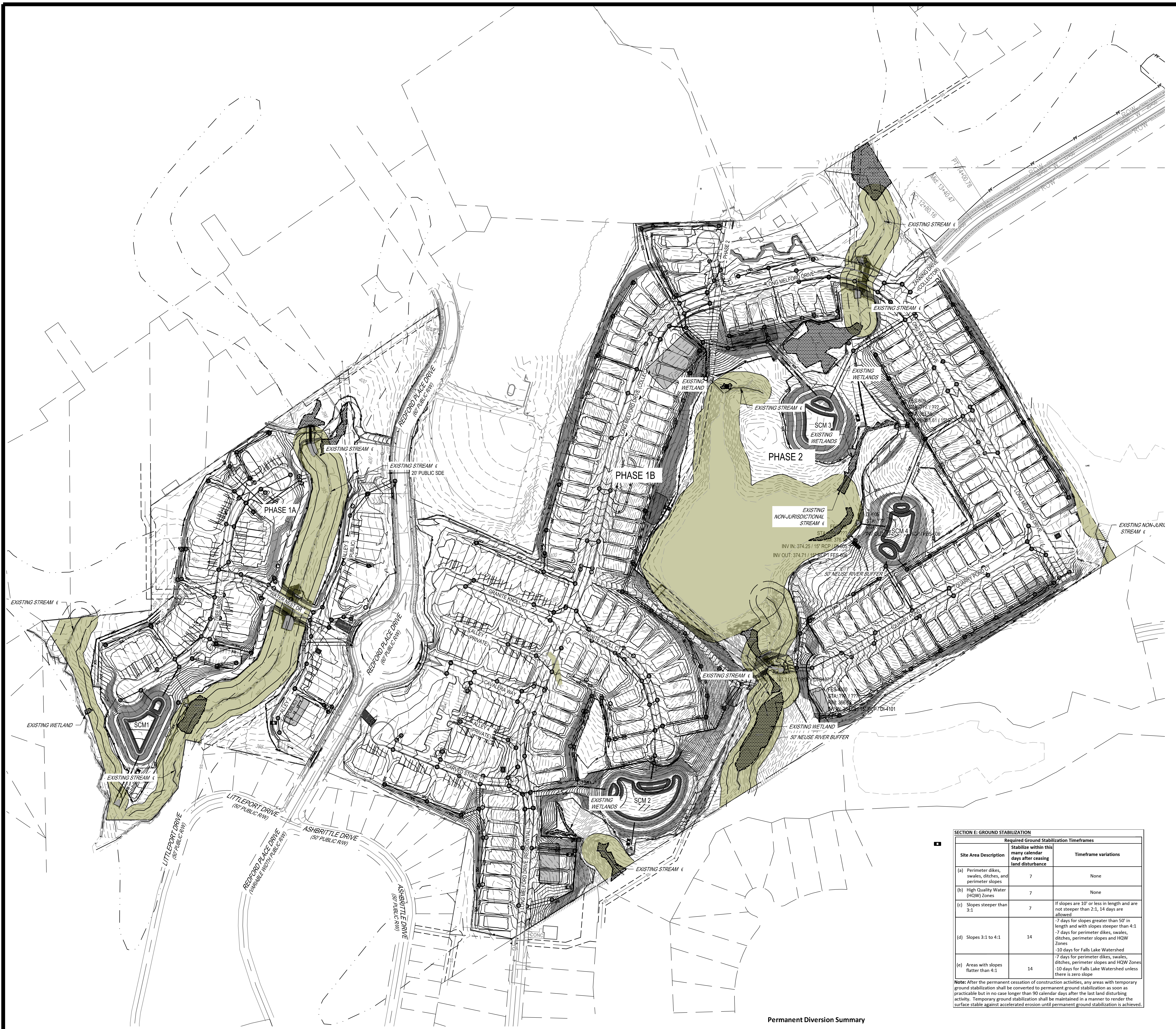
G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C2-1 - EROS-PH2.dwg Layout: C5-7 OVERALL PHASE 2 EROSION CONTROL PLAN Plotted: 3/5/2024 3:20:29 PM



EROSION CONTROL LEGEND

— — —	PROPERTY LINE
600	EXISTING MAJOR CONTOUR
601	EXISTING MINOR CONTOUR
600	PROPOSED MAJOR CONTOUR
601	PROPOSED MINOR CONTOUR
▬ ▬ ▬	DRAINAGE AREA
DA# ±X.X AC	DRAINAGE AREA LABEL
H:V → X.X% →	DIRECTION OF OVERLAND FLOW
100.XX 100.XX	SPOT ELEVATION
▨	RIP RAP APRON
▨	CONSTRUCTION ENTRANCE / EXIT
▨	EROSION CONTROL MATTING (NAG S75)
- - -	LIMITS OF DISTURBANCE
//	TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
> >	TEMPORARY DIVERSION DITCH OR BERM
SF	TEMPORARY SILT FENCE
PF	TEMP TREE PROTECTION FENCE
SF–PF	TEMP SILT / TREE PROTECTION FENCE
CF	TEMP CONSTRUCTION FENCE
4.00'	SILT FENCE OUTLET
▶	CHECK DAM
▨	SEDIMENTATION CHAMBER BERM
▬	SLOPE DRAIN WITH RIP-RAP APRON
●	TEMPORARY RISER SKIMMER SEDIMENT BASIN
C	STANDARD PIPE INLET PROTECTION
○	STANDARD GRAVEL INLET PROTECTION
●	EXCAVATED INLET SEDIMENT TRAP
▢	WASHOUT STATION
FB	FILTER BAG

PHASE 2 EROSION CONTROL

1. INSTALL STORM DRAINAGE SYSTEM AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS, SEDIMENT TRAPS, OR OTHER APPROVED MEASURES AS SHOWN ON THE PLAN. INSTALL ENERGY DISSIPATERS UPON COMPLETION .
2. CLEAR AND GRUB REMAINDER OF SITE TO BE DISTURBED.
3. CONTINUE GRADING ACTIVITIES AND REROUTE DIVERSIONS TO MAINTAIN POSITIVE FLOW USING EARTHEN BERMS AS NECESSARY TO BRING SITE TO FINAL GRADE.
4. MAINTAIN DEVICES PER NOTES ON C0-1. GRAVEL CONSTRUCTION ENTRANCES AND OTHER MEASURES SHALL BE PROPERLY MAINTAINED TO PREVENT SEDIMENT FROM ENTERING THE STREET.
5. SKIMMER BASINS SHALL REMAIN UNTIL THEY ARE APPROVED TO BE REMOVED BY WAKE COUNTY. SILT BAGS SHALL BE USED TO DEWATER THE BASIN DURING THE CONVERSION.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	**Stabilize within this many calendar days after ceasing land disturbance**	**Timeframe variations**
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

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

Permanent Diversion Summary

PD	DA	C	I	Q (25)	Bottom W (ft)	Side Slopes	V (fps)	Normal D	Normal D	Depth Req	Shear Stress	Liner
	(ac)		(in/hr)	(ft^3/sec)		(__H:1V)		(in)	(ft)	(ft)	(lb/ft^2)	
1	0.226	0.55	7.98	0.99	2	3	2.21	2.1	0.18	1	0.4	NAG S75BN
2	0.516	0.65	7.98	2.68	2	3	2.1	4.5	0.38	1	0.35	NAG S75BN
3	0.551	0.65	7.98	2.86	2	3	2.51	4.4	0.37	1	0.49	NAG S75BN
4	0.443	0.65	7.98	2.30	2	3	3.04	3.2	0.27	1	0.85	NAG S75BN
5	0.582	0.65	7.98	3.02	2	3	2.52	4.6	0.38	1	0.47	NAG S75BN

TOTAL DISTURBED AREA
±62.9 ACRES

0 75' 150' 300'
SCALE: 1" = 150'

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

N

REV	DATE	DESCRIPTION
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
4	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
3	11/21/2023	PER TOWN OF ROLESVILLE COMMENT
2	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REV	06/01/2023	INITIAL SUBMITTAL

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

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PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

OVERALL PHASE 2 EROSION CONTROL PLAN

NORTH CAROLINA PROFESSIONAL SEAL 028892 ENGINEER DEBRA M. FERM
3/13/2024
DocuSigned by:
Debbi Ferm
FDC35974B30F48A...

FILE NUMBER:
8430-03

DATE: 03/04/2024

C5-7

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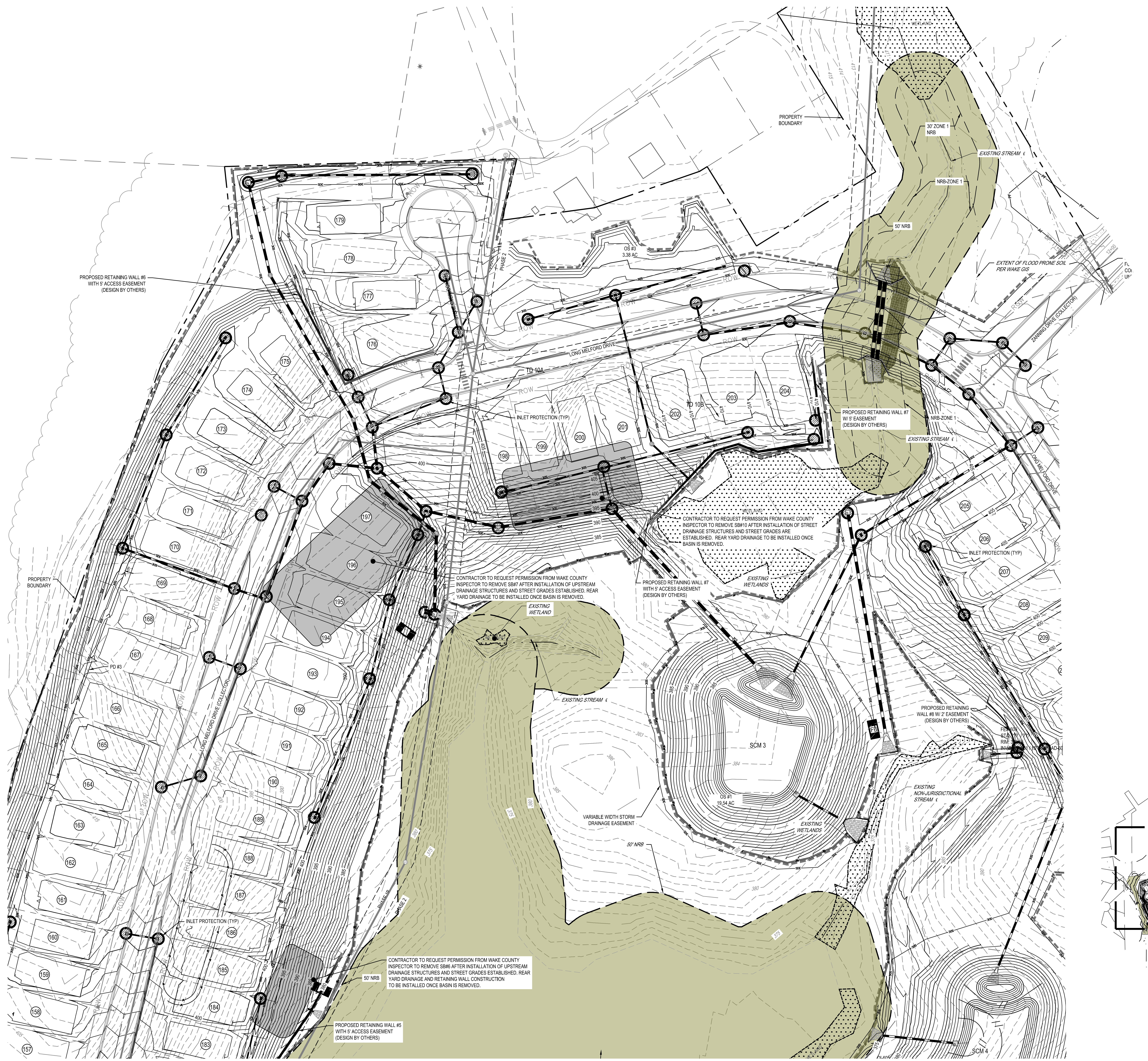

PROPERTY BOUNDARY
PROPOSED RETAINING WALL #6 WITH 5' ACCESS EASEMENT (DESIGN BY OTHERS)
OS #3 3.38 AC
PHASE 2
LONG MELFORD DRIVE
LONG MELFORD DRIVE (COLLECTOR)
ZANNING DRIVE (COLLECTOR)
ROW
TD 10A
TD 10B
INLET PROTECTION (TYP)
30' ZONE 1 NRB
NRB-ZONE 1
50' NRB
EXISTING STREAM
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
PROPOSED RETAINING WALL #7 W/ 5' EASEMENT (DESIGN BY OTHERS)
CONTRACTOR TO REQUEST PERMISSION FROM WAKE COUNTY INSPECTOR TO REMOVE SB#10 AFTER INSTALLATION OF STREET DRAINAGE STRUCTURES AND STREET GRADES ARE ESTABLISHED. REAR YARD DRAINAGE TO BE INSTALLED ONCE BASIN IS REMOVED.
CONTRACTOR TO REQUEST PERMISSION FROM WAKE COUNTY INSPECTOR TO REMOVE SB#7 AFTER INSTALLATION OF UPSTREAM DRAINAGE STRUCTURES AND STREET GRADES ESTABLISHED. REAR YARD DRAINAGE TO BE INSTALLED ONCE BASIN IS REMOVED.
PROPOSED RETAINING WALL #7 WITH 5' ACCESS EASEMENT (DESIGN BY OTHERS)
EXISTING WETLANDS
EXISTING WETLAND
PD #3
SCM 3
OS #1 19.54 AC
VARIABLE WIDTH STORM DRAINAGE EASEMENT
PROPOSED RETAINING WALL #8 W/ 2' EASEMENT (DESIGN BY OTHERS)
EXISTING NON-JURISDICTIONAL STREAM
INLET PROTECTION (TYP)
CONTRACTOR TO REQUEST PERMISSION FROM WAKE COUNTY INSPECTOR TO REMOVE SB#6 AFTER INSTALLATION OF UPSTREAM DRAINAGE STRUCTURES AND STREET GRADES ESTABLISHED. REAR YARD DRAINAGE AND RETAINING WALL CONSTRUCTION TO BE INSTALLED ONCE BASIN IS REMOVED.
PROPOSED RETAINING WALL #5 WITH 5' ACCESS EASEMENT (DESIGN BY OTHERS)
PHASE 1
SCM 4
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SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

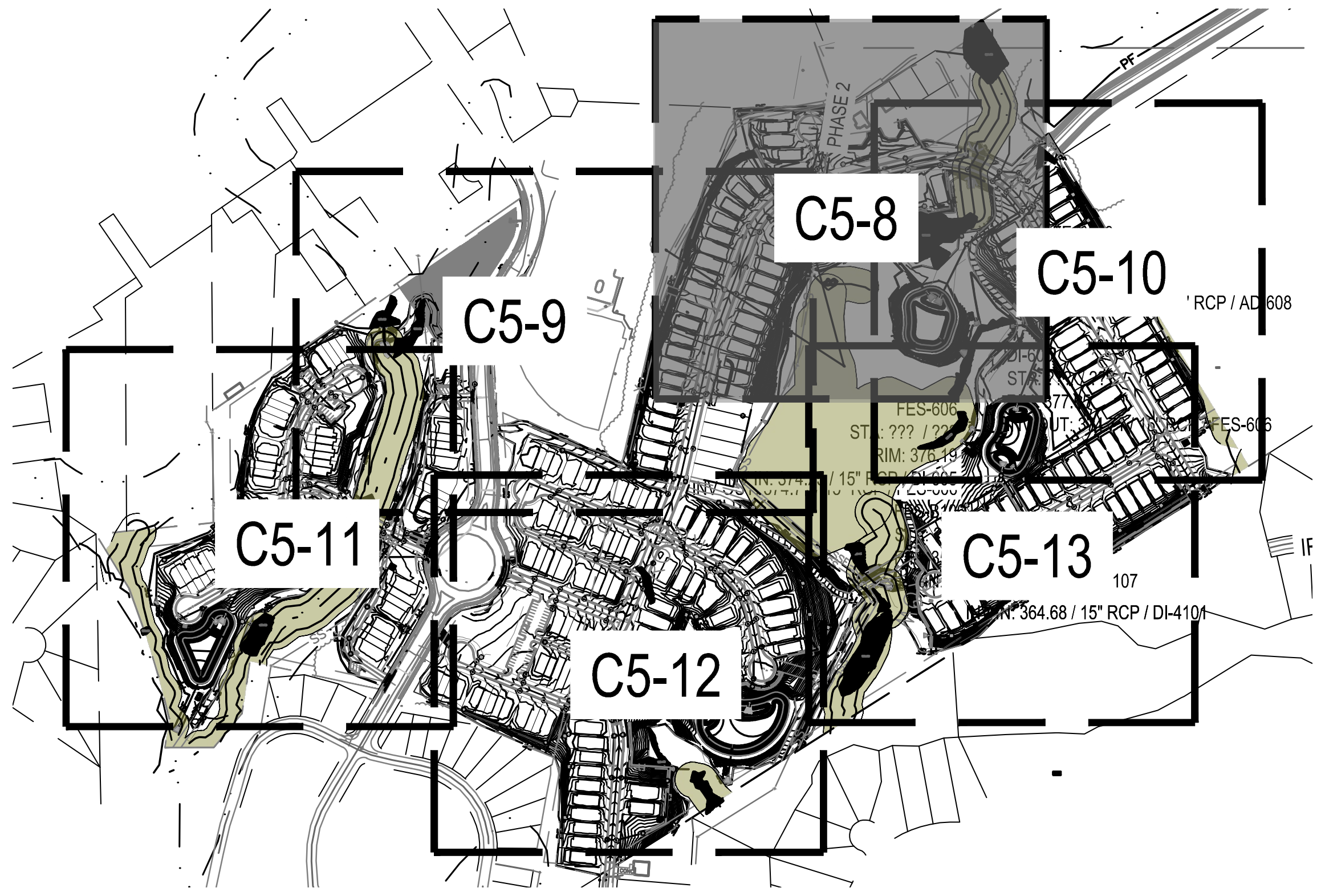
Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization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

HATCHED SLOPES ARE 3:1 OR GREATER AND REQUIRE STABILIZATION PER TABLE AT LEFT

N

EROSION CONTROL LEGEND

- PROPERTY LINE
- 600 EXISTING MAJOR CONTOUR
- 601 EXISTING MINOR CONTOUR
- 600 PROPOSED MAJOR CONTOUR
- 601 PROPOSED MINOR CONTOUR
- DRAINAGE AREA
- DA# ±X.X AC DRAINAGE AREA LABEL
- H:V X.X% DIRECTION OF OVERLAND FLOW
- 100.XX 100.XX SPOT ELEVATION
- RIP RAP APRON
- CONSTRUCTION ENTRANCE / EXIT
- EROSION CONTROL MATTING (NAG S75)
- LIMITS OF DISTURBANCE
- // TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
- TEMPORARY DIVERSION DITCH OR BERM
- SF TEMPORARY SILT FENCE
- PF TEMP TREE PROTECTION FENCE
- SF-PF TEMP SILT / TREE PROTECTION FENCE
- CF TEMP CONSTRUCTION FENCE
- 4.00' SILT FENCE OUTLET
- CHECK DAM
- SEDIMENTATION CHAMBER BERM
- SLOPE DRAIN WITH RIP-RAP APRON
- TEMPORARY RISER SKIMMER SEDIMENT BASIN
- STANDARD PIPE INLET PROTECTION
- STANDARD GRAVEL INLET PROTECTION
- EXCAVATED INLET SEDIMENT TRAP
- WASHOUT STATION
- FB FILTER BAG



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

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

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DESIGNED BY: ') &'
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REVIEWED BY: ')

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ROLESVILLE / NORTH CAROLINA / 27571

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SEAL 028892
DEBRA M. FERM
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5/13/2024

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SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
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(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

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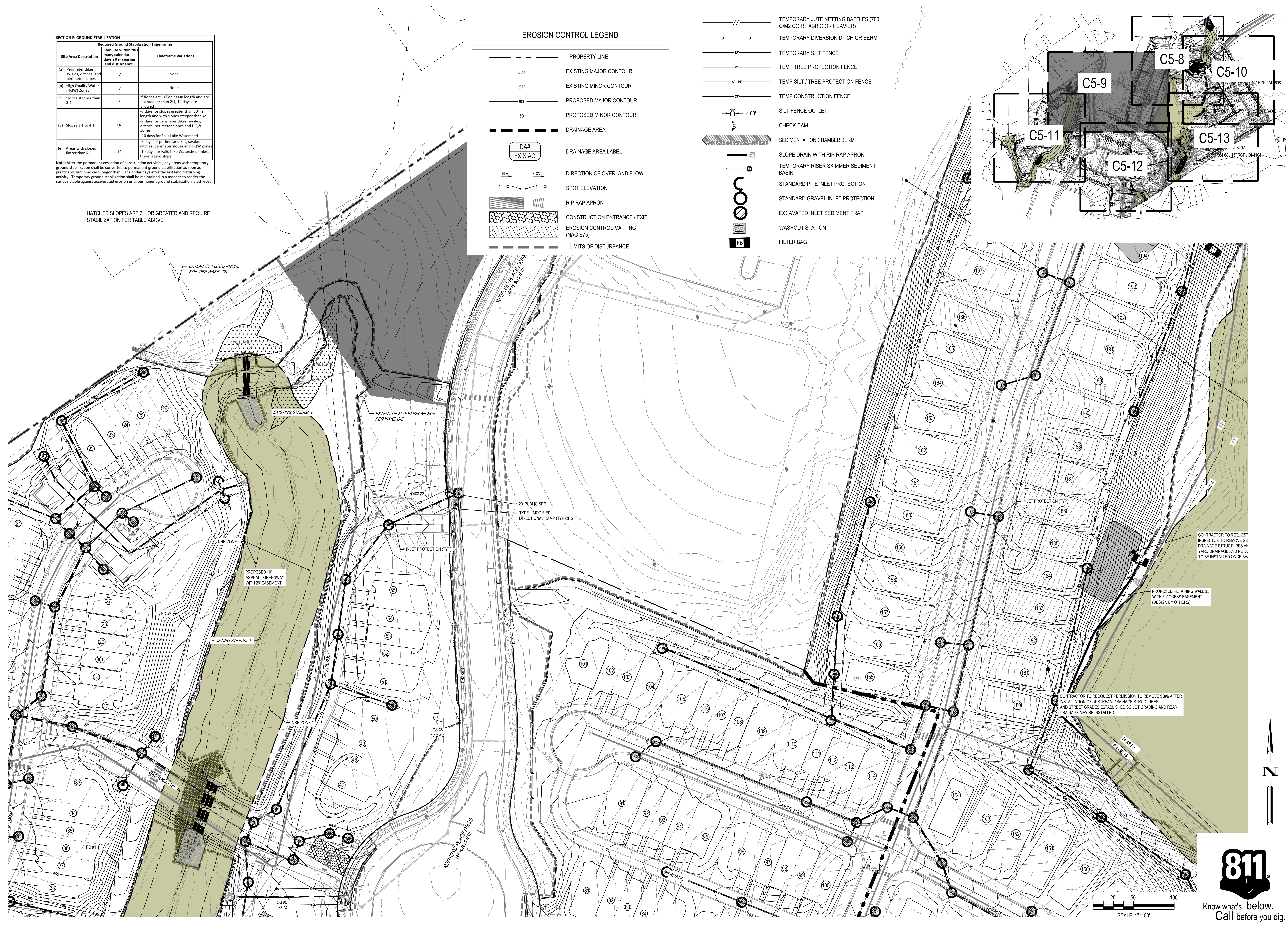
HATCHED SLOPES ARE 3:1 OR GREATER AND REQUIRE STABILIZATION PER TABLE ABOVE

EROSION CONTROL LEGEND

— — —	PROPERTY LINE
600	EXISTING MAJOR CONTOUR
601	EXISTING MINOR CONTOUR
600	PROPOSED MAJOR CONTOUR
601	PROPOSED MINOR CONTOUR
▬ ▬ ▬	DRAINAGE AREA
DA# ±X.X AC	DRAINAGE AREA LABEL
H:V → X.X% →	DIRECTION OF OVERLAND FLOW
100.XX 100.XX	SPOT ELEVATION
▨	RIP RAP APRON
▨	CONSTRUCTION ENTRANCE / EXIT
▨	EROSION CONTROL MATTING (NAG S75)
▬ ▬ ▬	LIMITS OF DISTURBANCE
—//—	TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
—>—>—	TEMPORARY DIVERSION DITCH OR BERM
SF	TEMPORARY SILT FENCE
PF	TEMP TREE PROTECTION FENCE
SF—PF	TEMP SILT / TREE PROTECTION FENCE
CF	TEMP CONSTRUCTION FENCE
4.00'	SILT FENCE OUTLET
▶	CHECK DAM
▨	SEDIMENTATION CHAMBER BERM
▬	SLOPE DRAIN WITH RIP-RAP APRON
—◘	TEMPORARY RISER SKIMMER SEDIMENT BASIN
C	STANDARD PIPE INLET PROTECTION
○	STANDARD GRAVEL INLET PROTECTION
●	EXCAVATED INLET SEDIMENT TRAP
▣	WASHOUT STATION
FB	FILTER BAG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EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
EXISTING STREAM
EXISTING STREAM
PROPOSED 10' ASPHALT GREENWAY WITH 20' EASEMENT
NRB-ZONE 1
NRB-ZONE 1
20' PUBLIC SDE
TYPE 1 MODIFIED DIRECTIONAL RAMP (TYP OF 2)
INLET PROTECTION (TYP)
INLET PROTECTION (TYP)
REDFORD PLACE DRIVE (60' PUBLIC R/W)
LORD MELFORD DRIVE (COLLECTOR)
PIPER NEST DR
GRANITE KNOLL CT
ALLEY 1 (PUBLIC)
ALLEY 1 (PRIVATE)
OS #6 1.12 AC
OS #5 0.85 AC
PD #1
PD #2
PD #3
PHASE 2
PHASE 1B
CONTRACTOR TO REQUEST INSPECTOR TO REMOVE SB DRAINAGE STRUCTURES AN YARD DRAINAGE AND RETA TO BE INSTALLED ONCE BA
PROPOSED RETAINING WALL #5 WITH 5' ACCESS EASEMENT (DESIGN BY OTHERS)
CONTRACTOR TO REDQUEST PERMISSION TO REMOVE SB#6 AFTER INSTALLATION OF UPSTREAM DRAINAGE STRUCTURES AND STREET GRADES ESTABLISHED SO LOT GRADING AND REAR DRAINAGE MAY BE INSTALLED
0 25' 50' 100'
SCALE: 1" = 50'
N

Know what's below.
Call before you dig.

REV	DATE	DESCRIPTION
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
4	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
3	11/21/2023	PER TOWN OF ROLESVILLE COMMENT
2	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
	06/01/2023	INITIAL SUBMITTAL

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

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PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED PHASE 2 EROSION CONTROL PLAN (2 OF 6)

SEAL 028892
DEBRA M. FERM
3/13/2024
Debbi Ferm

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

C5-9

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C2-1 - EROS-PH2.dwg Layout: C5-9 ENLARGED PHASE 2 EROSION CONTROL PLAN (2 OF 6) Plotted: 3/5/2024 3:17:05 PM

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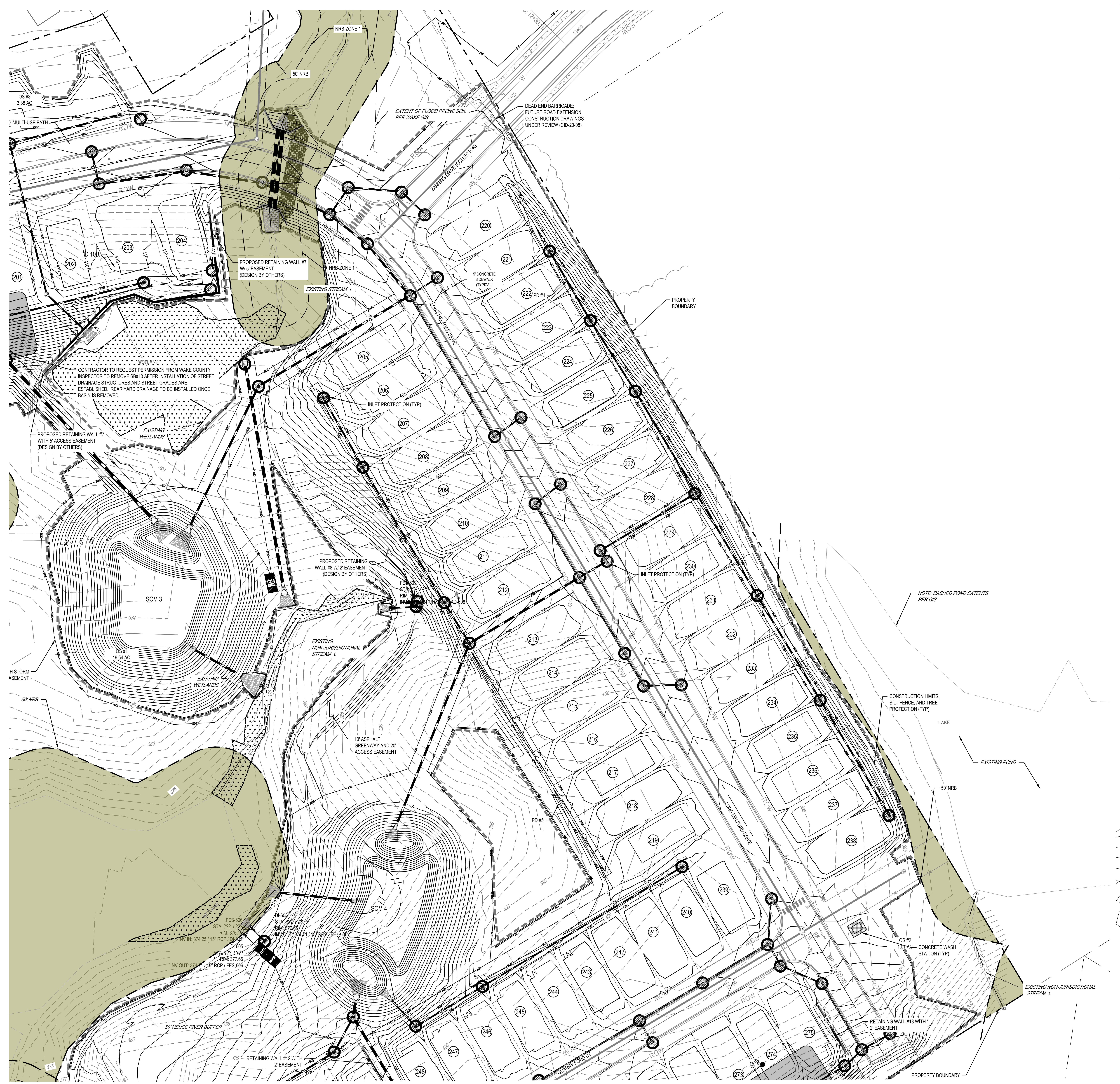
NRB-ZONE 1
50' NRB
OS #3
3.38 AC
2' MULTI-USE PATH
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
DEAD END BARRICADE; FUTURE ROAD EXTENSION CONSTRUCTION DRAWINGS UNDER REVIEW (CID-23-08)
ZANNING DRIVE (COLLECTOR)
ROW
PROPOSED RETAINING WALL #7 W/ 5' EASEMENT (DESIGN BY OTHERS)
NRB-ZONE 1
EXISTING STREAM
5' CONCRETE SIDEWALK (TYPICAL)
PD #4
PROPERTY BOUNDARY
CONTRACTOR TO REQUEST PERMISSION FROM WAKE COUNTY INSPECTOR TO REMOVE SB#10 AFTER INSTALLATION OF STREET DRAINAGE STRUCTURES AND STREET GRADES ARE ESTABLISHED. REAR YARD DRAINAGE TO BE INSTALLED ONCE BASIN IS REMOVED.
LONG MEADOW DRIVE
INLET PROTECTION (TYP)
PROPOSED RETAINING WALL #7 WITH 5' ACCESS EASEMENT (DESIGN BY OTHERS)
EXISTING WETLANDS
WETLANDS
SCM 3
OS #1
19.54 AC
EXISTING WETLANDS
PROPOSED RETAINING WALL #8 W/ 2' EASEMENT (DESIGN BY OTHERS)
INLET PROTECTION (TYP)
NOTE: DASHED POND EXTENTS PER GIS
EXISTING NON-JURISDICTIONAL STREAM
H STORM EASEMENT
50' NRB
CONSTRUCTION LIMITS, SILT FENCE, AND TREE PROTECTION (TYP)
LAKE
10' ASPHALT GREENWAY AND 20' ACCESS EASEMENT
EXISTING POND
50' NRB
PD #5
SCM 4
OS #2
CONCRETE WASH STATION (TYP)
EXISTING NON-JURISDICTIONAL STREAM
50' NEUSE RIVER BUFFER
RETAINING WALL #12 WITH 2' EASEMENT
RETAINING WALL #13 WITH 2' EASEMENT
QUARRY POND CT
PROPERTY BOUNDARY
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SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
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N

EROSION CONTROL LEGEND

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600 EXISTING MAJOR CONTOUR
601 EXISTING MINOR CONTOUR
600 PROPOSED MAJOR CONTOUR
601 PROPOSED MINOR CONTOUR
DRAINAGE AREA
DA# ±X.X AC DRAINAGE AREA LABEL
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100.XX 100.XX SPOT ELEVATION
RIP RAP APRON
CONSTRUCTION ENTRANCE / EXIT
EROSION CONTROL MATTING (NAG S75)
LIMITS OF DISTURBANCE
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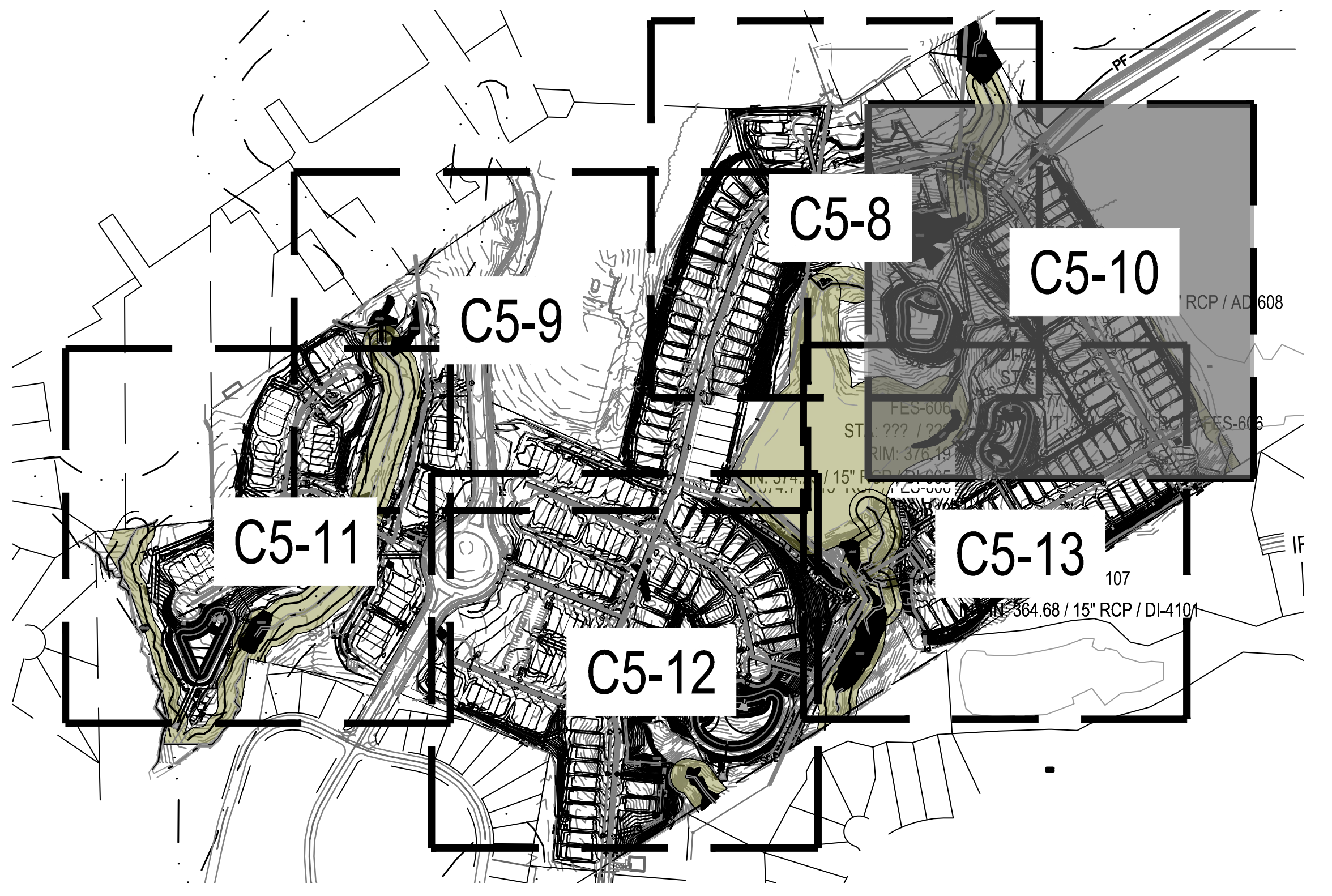
SF TEMPORARY SILT FENCE
PF TEMP TREE PROTECTION FENCE
SF—PF TEMP SILT / TREE PROTECTION FENCE
CF TEMP CONSTRUCTION FENCE
4.00' SILT FENCE OUTLET
CHECK DAM
SEDIMENTATION CHAMBER BERM
SLOPE DRAIN WITH RIP-RAP APRON
TEMPORARY RISER SKIMMER SEDIMENT BASIN
STANDARD PIPE INLET PROTECTION
STANDARD GRAVEL INLET PROTECTION
EXCAVATED INLET SEDIMENT TRAP
WASHOUT STATION
FB FILTER BAG



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

811
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DESIGNED BY: DF/CD
DRAWN BY: DF/JWM
REVIEWED BY: DF

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ENLARGED PHASE 2 EROSION CONTROL PLAN (3 OF 6)

SEAL 028892
DEBRA M. FERM
3/13/2024
Debra Ferm

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

C5-10

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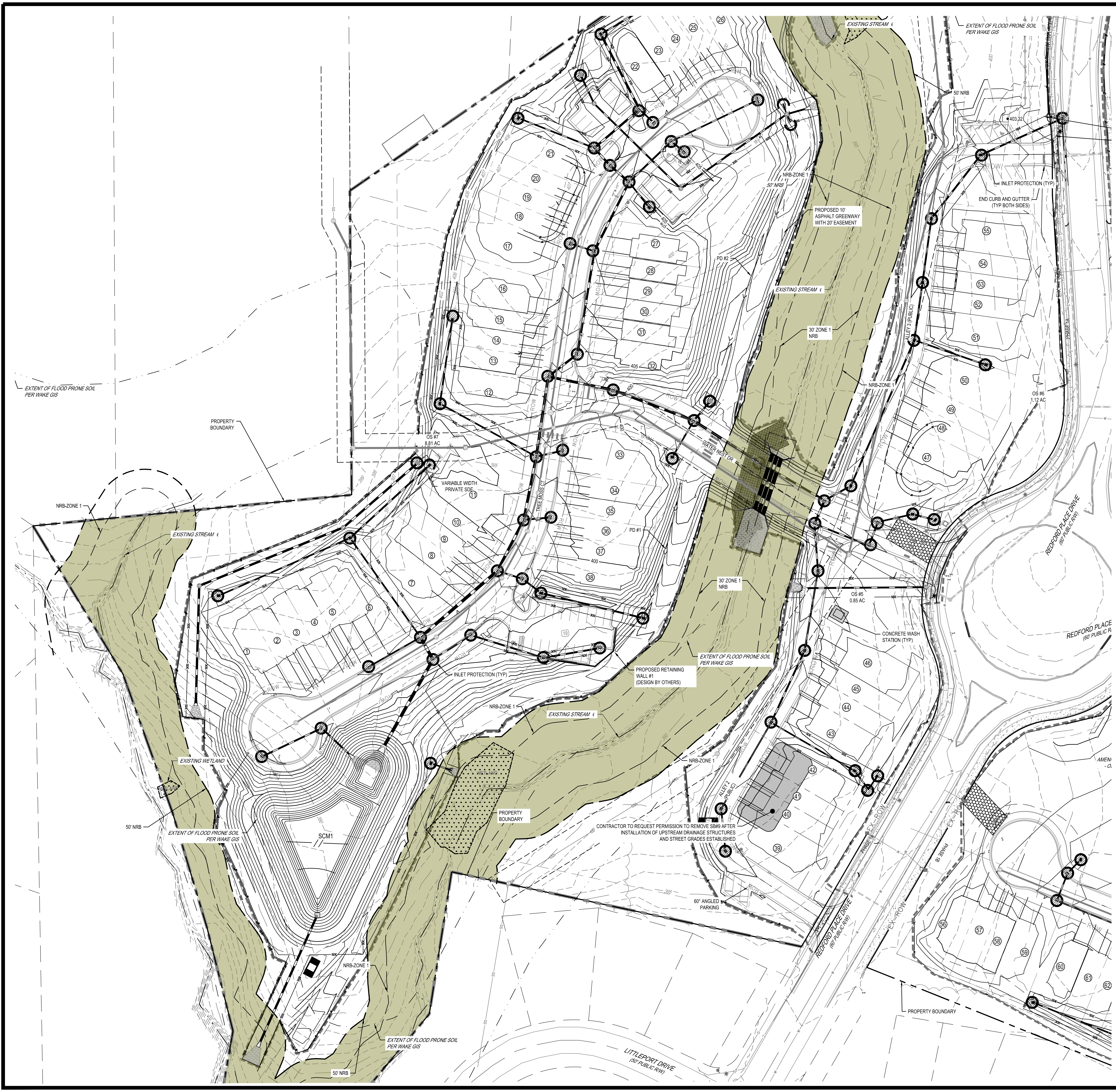
G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C2-1 - EROS-PH2.dwg   Layout: C5-11 ENLARGED PHASE 2 EROSION CONTROL PLAN (4 OF 6)   Plotted: 3/5/2024 3:18:37 PM


EXISTING STREAM
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
50' NRB
NRB-ZONE 1
PROPOSED 10' ASPHALT GREENWAY WITH 20' EASEMENT
PD #2
EXISTING STREAM
30' ZONE 1 NRB
INLET PROTECTION (TYP)
END CURB AND GUTTER (TYP BOTH SIDES)
ALLEY 3 (PUBLIC)
OS #6 1.12 AC
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
PROPERTY BOUNDARY
OS #7 8.81 AC
VARIABLE WIDTH PRIVATE SDE
TREE MOSS CT
WATER REST DR
PD #1
NRB-ZONE 1
EXISTING STREAM
REDFORD PLACE DRIVE (60' PUBLIC R/W)
30' ZONE 1 NRB
OS #5 0.85 AC
CONCRETE WASH STATION (TYP)
REDFORD PLACE (60' PUBLIC R/W)
INLET PROTECTION (TYP)
PROPOSED RETAINING WALL #1 (DESIGN BY OTHERS)
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
NRB-ZONE 1
EXISTING STREAM
EXISTING WETLAND
NRB-ZONE 1
ALLEY 2 (PUBLIC)
50' NRB
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
SCM1
PROPERTY BOUNDARY
CONTRACTOR TO REQUEST PERMISSION TO REMOVE SB#9 AFTER INSTALLATION OF UPSTREAM DRAINAGE STRUCTURES AND STREET GRADES ESTABLISHED
60' ANGLED PARKING
REDFORD PLACE DRIVE (60' PUBLIC R/W)
EX. R/W
PHASE 2
NRB-ZONE 1
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
50' NRB
LITTLEPORT DRIVE (50' PUBLIC R/W)
PROPERTY BOUNDARY
AMENITY CENTER
403.32
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

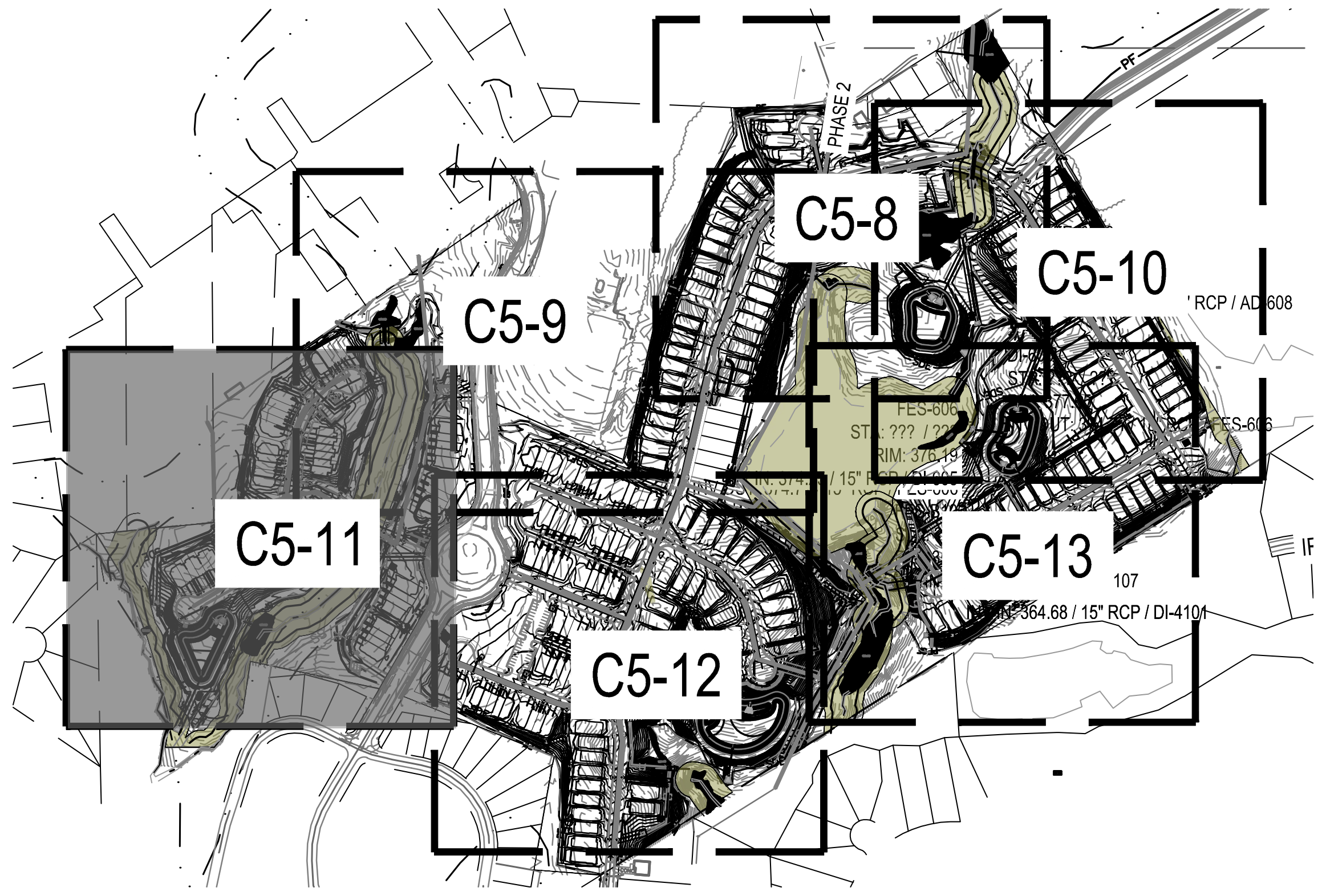
Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization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

HATCHED SLOPES ARE 3:1 OR GREATER AND REQUIRE STABILIZATION PER TABLE AT LEFT

N

EROSION CONTROL LEGEND

— - - —	PROPERTY LINE
600	EXISTING MAJOR CONTOUR
601	EXISTING MINOR CONTOUR
600	PROPOSED MAJOR CONTOUR
601	PROPOSED MINOR CONTOUR
▬ ▬ ▬	DRAINAGE AREA
DA# ±X.X AC	DRAINAGE AREA LABEL
H:V X.X%	DIRECTION OF OVERLAND FLOW
100.XX 100.XX	SPOT ELEVATION
▨	RIP RAP APRON
▨	CONSTRUCTION ENTRANCE / EXIT
▨	EROSION CONTROL MATTING (NAG S75)
- - -	LIMITS OF DISTURBANCE
//	TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
> >	TEMPORARY DIVERSION DITCH OR BERM
SF	TEMPORARY SILT FENCE
PF	TEMP TREE PROTECTION FENCE
SF PF	TEMP SILT / TREE PROTECTION FENCE
CF	TEMP CONSTRUCTION FENCE
4.00'	SILT FENCE OUTLET
)	CHECK DAM
▬	SEDIMENTATION CHAMBER BERM
▬	SLOPE DRAIN WITH RIP-RAP APRON
●	TEMPORARY RISER SKIMMER SEDIMENT BASIN
⊂	STANDARD PIPE INLET PROTECTION
○	STANDARD GRAVEL INLET PROTECTION
●	EXCAVATED INLET SEDIMENT TRAP
▨	WASHOUT STATION
FB	FILTER BAG



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

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

REV	DATE	DESCRIPTION
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
4	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
3	11/21/2023	PER TOWN OF ROLESVILLE COMMENT
2	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REV	06/01/2023	INITIAL SUBMITTAL

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

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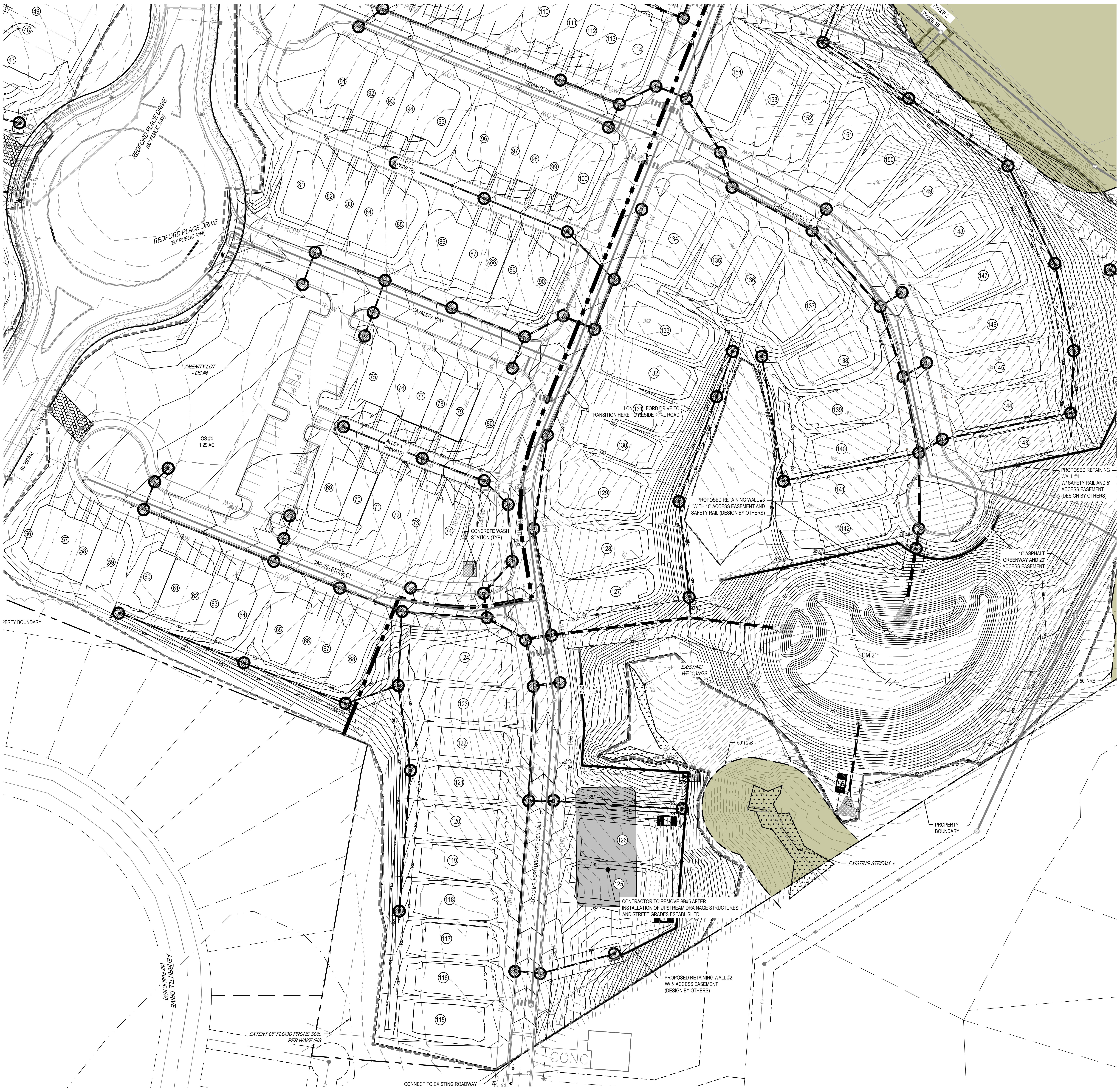
PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED PHASE 2 EROSION CONTROL PLAN (4 OF 6)

NORTH CAROLINA PROFESSIONAL
SEAL 028892
ENGINEER
DEBRA M. FERM
3/13/2024
DocuSigned by:
Debra Ferm

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

C5-11


REDFORD PLACE DRIVE
(60' PUBLIC R/W)
GRANITE KNOLL CT
CAVALERA WAY
ALLEY 3 (PRIVATE)
ALLEY 4 (PRIVATE)
CARVED STONE CT
LONG MELFORD DRIVE (RESIDENTIAL)
AMENITY LOT - OS #4
OS #4
1.29 AC
ROW
PHASE 2
PHASE 1B
PROPERTY BOUNDARY
CONCRETE WASH STATION (TYP)
LONG MELFORD DRIVE TO TRANSITION HERE TO RESIDENTIAL ROAD
PROPOSED RETAINING WALL #3 WITH 10' ACCESS EASEMENT AND SAFETY RAIL (DESIGN BY OTHERS)
PROPOSED RETAINING WALL #4 W/ SAFETY RAIL AND 5' ACCESS EASEMENT (DESIGN BY OTHERS)
10' ASPHALT GREENWAY AND 20' ACCESS EASEMENT
SCM 2
EXISTING WETLANDS
50' NRB
EXISTING STREAM
CONTRACTOR TO REMOVE SB#5 AFTER INSTALLATION OF UPSTREAM DRAINAGE STRUCTURES AND STREET GRADES ESTABLISHED
PROPOSED RETAINING WALL #2 W/ 5' ACCESS EASEMENT (DESIGN BY OTHERS)
ASHBRITTLE DRIVE
(60' PUBLIC R/W)
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
CONNECT TO EXISTING ROADWAY
CONC
FB

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	**Stabilize within this many calendar days after ceasing land disturbance**	**Timeframe variations**
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
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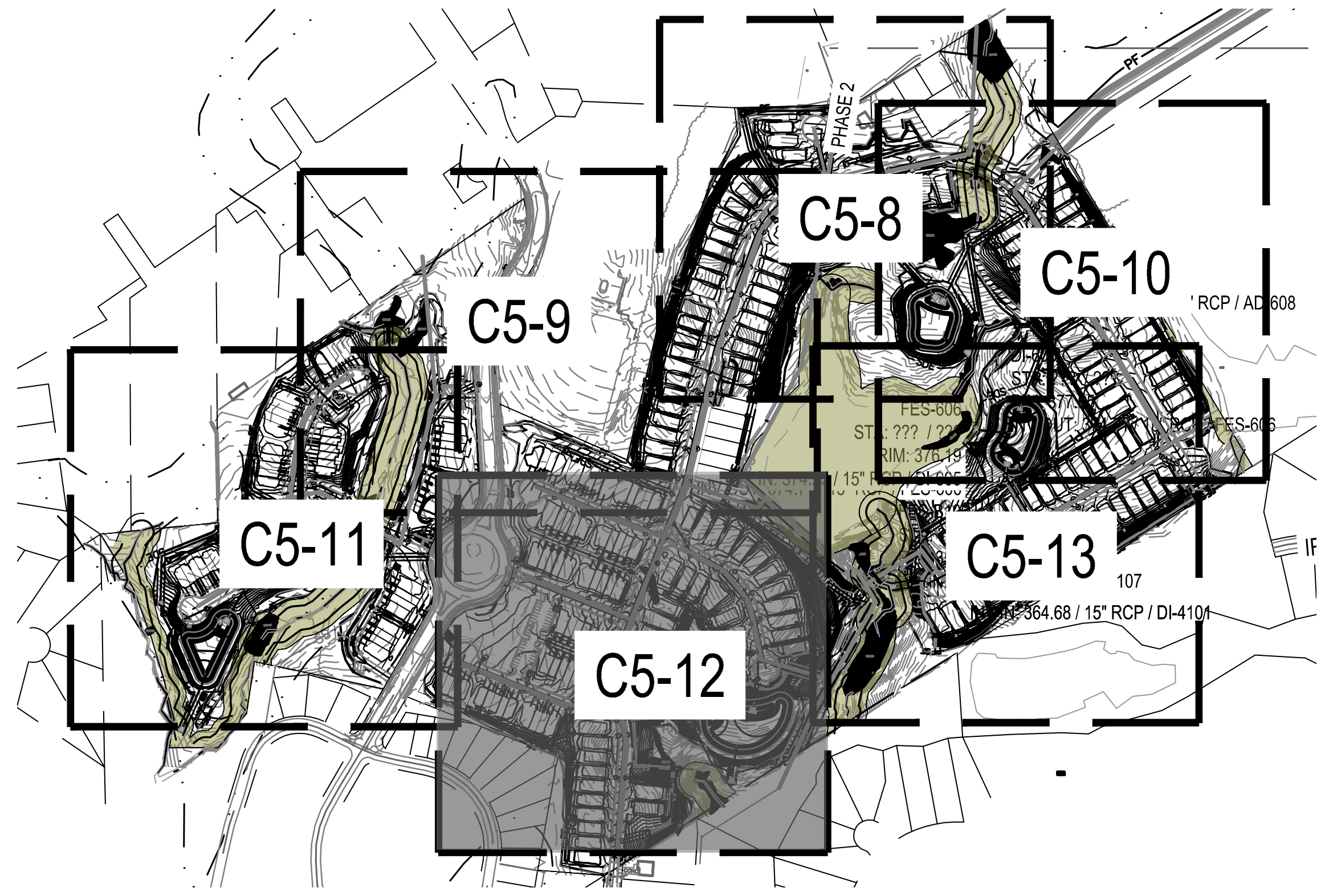
EROSION CONTROL LEGEND

PROPERTY LINE
EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR
PROPOSED MAJOR CONTOUR
PROPOSED MINOR CONTOUR
DRAINAGE AREA
DA# ±X.X AC — DRAINAGE AREA LABEL
DIRECTION OF OVERLAND FLOW
100.XX — SPOT ELEVATION
RIP RAP APRON
CONSTRUCTION ENTRANCE / EXIT
EROSION CONTROL MATTING (NAG S75)
LIMITS OF DISTURBANCE
TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
TEMPORARY DIVERSION DITCH OR BERM
TEMPORARY SILT FENCE
TEMP TREE PROTECTION FENCE
TEMP SILT / TREE PROTECTION FENCE
TEMP CONSTRUCTION FENCE
4.00' — SILT FENCE OUTLET
CHECK DAM
SEDIMENTATION CHAMBER BERM
SLOPE DRAIN WITH RIP-RAP APRON
TEMPORARY RISER SKIMMER SEDIMENT BASIN
STANDARD PIPE INLET PROTECTION
STANDARD GRAVEL INLET PROTECTION
EXCAVATED INLET SEDIMENT TRAP
WASHOUT STATION
FB — FILTER BAG



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

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

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PARKER RIDGE
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ROLESVILLE / NORTH CAROLINA / 27571

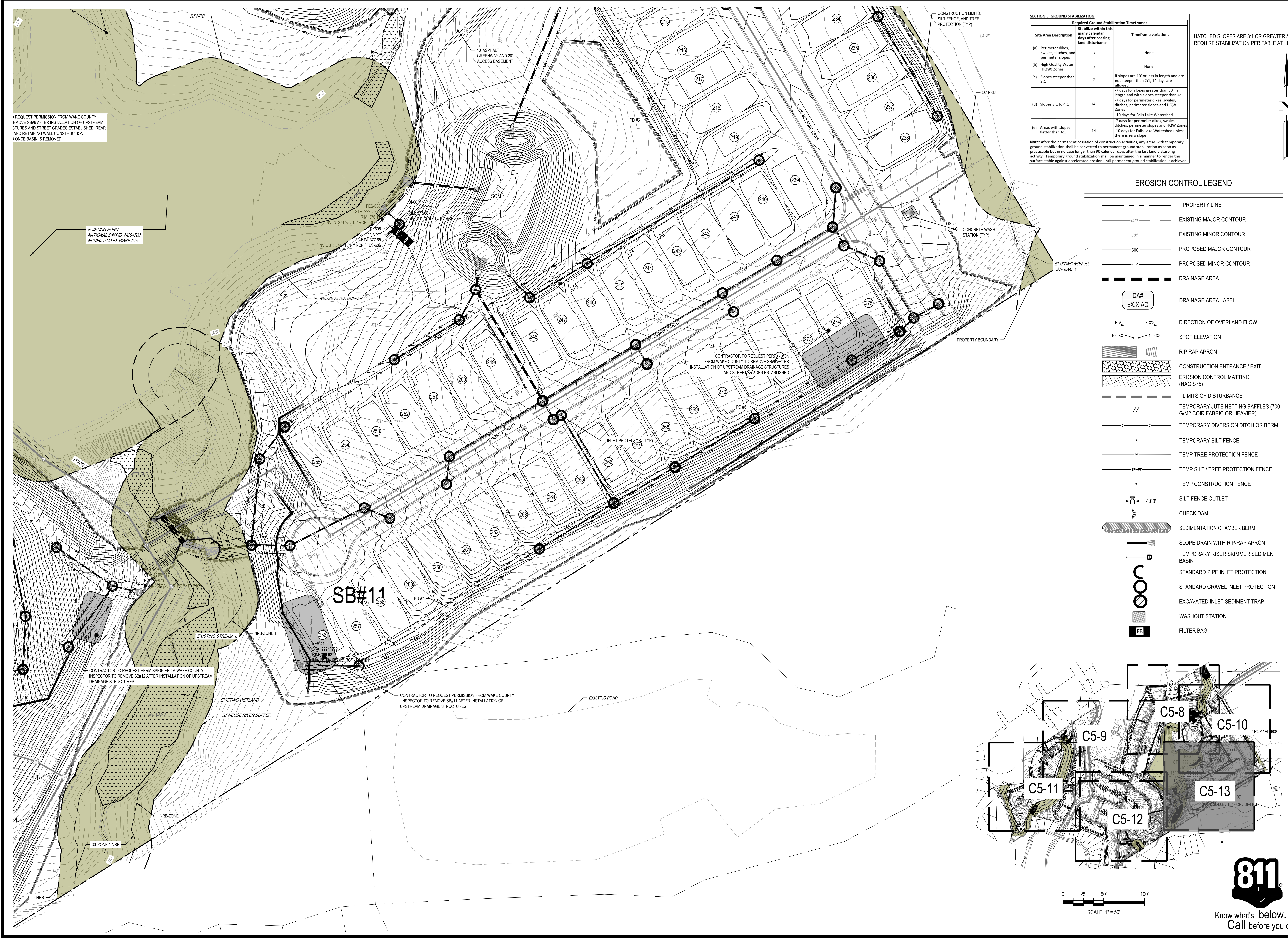
ENLARGED PHASE 2 EROSION CONTROL PLAN (5 OF 6)

SEAL 028892
DEBRA M. FERM
DocuSigned by:
Debbi Ferm
FDC35974B30F48A...
3/13/2024

FILE NUMBER:
8430-03

DATE: 03/04/2024

C5-12


50' NRB
10' ASPHALT GREENWAY AND 20' ACCESS EASEMENT
SCM 4
PD #5
LONG MELFORD DRIVE
QUARRY POND CT
ROW
LAKE
CONSTRUCTION LIMITS, SILT FENCE, AND TREE PROTECTION (TYP)
50' NRB
OS #2
1.01 AC
CONCRETE WASH STATION (TYP)
EXISTING NON-JU STREAM ℄
PROPERTY BOUNDARY
…O REQUEST PERMISSION FROM WAKE COUNTY …EMOVE SB#6 AFTER INSTALLATION OF UPSTREAM …CTURES AND STREET GRADES ESTABLISHED. REAR … AND RETAINING WALL CONSTRUCTION …O ONCE BASIN IS REMOVED.
EXISTING POND
NATIONAL DAM ID: NC04580
NCDEQ DAM ID: WAKE-270
FES-606
STA: ??? / ???
RIM: 376.19
INV IN: 374.25 / 15" RCP / DI-605
DI-605
STA: ??? / ???
RIM: 377.65
INV OUT: 374.71 / 15" RCP / FES-606
50' NEUSE RIVER BUFFER
WETLAND
CONTRACTOR TO REQUEST PERMISSION FROM WAKE COUNTY TO REMOVE SB#8 AFTER INSTALLATION OF UPSTREAM DRAINAGE STRUCTURES AND STREET GRADES ESTABLISHED
PD #6
INLET PROTECTION (TYP)
PHASE 1B
SB#11
PD #7
FES-4100
STA: ??? / ???
RIM: 366.62
INV IN: 364.68 / 15" RCP / DI-4101
EXISTING STREAM ℄
NRB-ZONE 1
CONTRACTOR TO REQUEST PERMISSION FROM WAKE COUNTY INSPECTOR TO REMOVE SB#12 AFTER INSTALLATION OF UPSTREAM DRAINAGE STRUCTURES
EXISTING WETLAND
50' NEUSE RIVER BUFFER
CONTRACTOR TO REQUEST PERMISSION FROM WAKE COUNTY INSPECTOR TO REMOVE SB#11 AFTER INSTALLATION OF UPSTREAM DRAINAGE STRUCTURES
EXISTING POND
NRB-ZONE 1
30' ZONE 1 NRB
50' NRB
215 216 217 218 219 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275
C5-8
C5-9
C5-10
C5-11
C5-12
C5-13
0 25' 50' 100'
SCALE: 1" = 50'

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
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N

EROSION CONTROL LEGEND

PROPERTY LINE
800 EXISTING MAJOR CONTOUR
601 EXISTING MINOR CONTOUR
600 PROPOSED MAJOR CONTOUR
601 PROPOSED MINOR CONTOUR
DRAINAGE AREA
DA# ±X.X AC DRAINAGE AREA LABEL
H:V X.X% DIRECTION OF OVERLAND FLOW
100.XX 100.XX SPOT ELEVATION
RIP RAP APRON
CONSTRUCTION ENTRANCE / EXIT
EROSION CONTROL MATTING (NAG S75)
LIMITS OF DISTURBANCE
TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
TEMPORARY DIVERSION DITCH OR BERM
SF TEMPORARY SILT FENCE
PF TEMP TREE PROTECTION FENCE
SF—PF TEMP SILT / TREE PROTECTION FENCE
CF TEMP CONSTRUCTION FENCE
4.00' SILT FENCE OUTLET
CHECK DAM
SEDIMENTATION CHAMBER BERM
SLOPE DRAIN WITH RIP-RAP APRON
TEMPORARY RISER SKIMMER SEDIMENT BASIN
STANDARD PIPE INLET PROTECTION
STANDARD GRAVEL INLET PROTECTION
EXCAVATED INLET SEDIMENT TRAP
WASHOUT STATION
FB FILTER BAG

REV	DATE	DESCRIPTION
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
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REV	06/01/2023	INITIAL SUBMITTAL

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

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ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED PHASE 2 EROSION CONTROL PLAN (6 OF 6)

SEAL 028892
DEBRA M. FERM
3-13-24

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

C5-13

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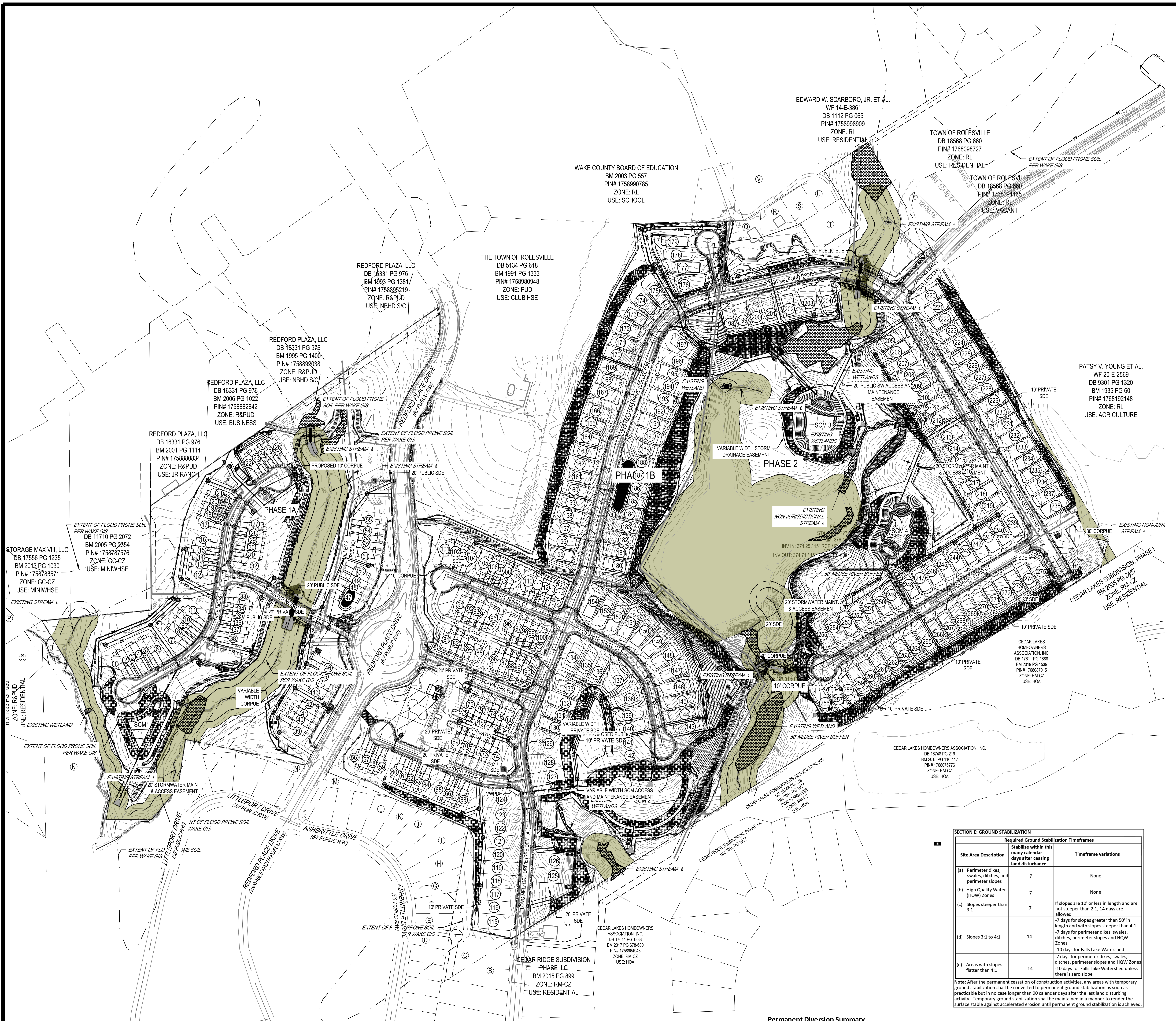
G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C2-2 - EROS-PH3.dwg Layout: C5-14 OVERALL PHASE 3 EROSION CONTROL PLAN Plotted: 3/4/2024 1:29:03 PM



PHASE 1A
PHASE 1B
PHASE 2
SCM1
SCM 3
SCM 4
SCM 2
WAKE COUNTY BOARD OF EDUCATION BM 2003 PG 557 PIN# 1758990785 ZONE: RL USE: SCHOOL
THE TOWN OF ROLESVILLE DB 5134 PG 618 BM 1991 PG 1333 PIN# 1758980948 ZONE: PUD USE: CLUB HSE
EDWARD W. SCARBORO, JR. ET AL. WF 14-E-3861 DB 1112 PG 065 PIN# 1758998909 ZONE: RL USE: RESIDENTIAL
TOWN OF ROLESVILLE DB 18568 PG 660 PIN# 1768098727 ZONE: RL USE: RESIDENTIAL
TOWN OF ROLESVILLE DB 18568 PG 660 PIN# 1768094465 ZONE: RL USE: VACANT
REDFORD PLAZA, LLC DB 16331 PG 976 BM 1993 PG 1381 PIN# 1758895219 ZONE: R&PUD USE: NBHD S/C
REDFORD PLAZA, LLC DB 16331 PG 976 BM 1995 PG 1400 PIN# 1758892038 ZONE: R&PUD USE: NBHD S/C
REDFORD PLAZA, LLC DB 16331 PG 976 BM 2006 PG 1022 PIN# 1758882842 ZONE: R&PUD USE: BUSINESS
REDFORD PLAZA, LLC DB 16331 PG 976 BM 2001 PG 1114 PIN# 1758880834 ZONE: R&PUD USE: JR RANCH
DB 11710 PG 2072 BM 2005 PG 2354 PIN# 1758787576 ZONE: GC-CZ USE: MINIWHSE
STORAGE MAX VIII, LLC DB 17556 PG 1235 BM 2013 PG 1030 PIN# 1758785571 ZONE: GC-CZ USE: MINIWHSE
PATSY V. YOUNG ET AL. WF 20-E-2569 DB 9301 PG 1320 BM 1935 PG 60 PIN# 1768192148 ZONE: RL USE: AGRICULTURE
CEDAR LAKES SUBDIVISION, PHASE I BM 2006 PG 2451 ZONE: RM-CZ USE: RESIDENTIAL
CEDAR LAKES HOMEOWNERS ASSOCIATION, INC. DB 17611 PG 1888 BM 2019 PG 1539 PIN# 1768087015 ZONE: RM-CZ USE: HOA
CEDAR LAKES HOMEOWNERS ASSOCIATION, INC. DB 16748 PG 219 BM 2015 PG 116-117 PIN# 1768076776 ZONE: RM-CZ USE: HOA
CEDAR LAKES HOMEOWNERS ASSOCIATION, INC. DB 17611 PG 1888 BM 2017 PG 678-680 PIN# 1758964943 ZONE: RM-CZ USE: HOA
CEDAR RIDGE SUBDIVISION PHASE II C BM 2015 PG 899 ZONE: RM-CZ USE: RESIDENTIAL
EXTENT OF FLOOD PRONE SOIL PER WAKE GIS
EXISTING STREAM
EXISTING WETLAND
EXISTING WETLANDS
EXISTING NON-JURISDICTIONAL STREAM
EXISTING NON-JURIS STREAM
VARIABLE WIDTH STORM DRAINAGE EASEMENT
20' PUBLIC SW ACCESS AND MAINTENANCE EASEMENT
20' STORMWATER MAINT. & ACCESS EASEMENT
VARIABLE WIDTH SCM ACCESS AND MAINTENANCE EASEMENT
50' NEUSE RIVER BUFFER
PROPOSED 10' CORPUE
10' CORPUE
30' CORPUE
20' PUBLIC SDE
10' PRIVATE SDE
20' PRIVATE SDE
VARIABLE WIDTH CORPUE
VARIABLE WIDTH PRIVATE SDE
REDFORD PLACE DRIVE (60' PUBLIC R/W)
REDFORD PLACE DRIVE (VARIABLE WIDTH PUBLIC R/W)
LITTLEPORT DRIVE (50' PUBLIC R/W)
ASHBRITTLE DRIVE (50' PUBLIC R/W)
LONG MELFORD DRIVE
GRANITE KNOLL CT
CALERA WAY
INV IN: 374.25 / 15" RCP
INV OUT: 374.71 / 15" RCP

EROSION CONTROL LEGEND

- PROPERTY LINE
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- 601 EXISTING MINOR CONTOUR
- 600 PROPOSED MAJOR CONTOUR
- 601 PROPOSED MINOR CONTOUR
- DRAINAGE AREA
- DA# ±X.X AC DRAINAGE AREA LABEL
- H:V X.X% DIRECTION OF OVERLAND FLOW
- 100.XX 100.XX SPOT ELEVATION
- RIP RAP APRON
- CONSTRUCTION ENTRANCE / EXIT
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- LIMITS OF DISTURBANCE
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- SF TEMPORARY SILT FENCE
- PF TEMP TREE PROTECTION FENCE
- SF–PF TEMP SILT / TREE PROTECTION FENCE
- CF TEMP CONSTRUCTION FENCE
- 4.00' SILT FENCE OUTLET
- CHECK DAM
- SEDIMENTATION CHAMBER BERM
- SLOPE DRAIN WITH RIP-RAP APRON
- TEMPORARY RISER SKIMMER SEDIMENT BASIN
- STANDARD PIPE INLET PROTECTION
- ○ STANDARD GRAVEL INLET PROTECTION
- ◍ EXCAVATED INLET SEDIMENT TRAP
- ▣ WASHOUT STATION
- FB FILTER BAG

N

PHASE 3 SEQUENCE

1. INSTALL REAR YARD STORM DRAINAGE AND PROTECT INLETS WITH BLOCK AND GRAVEL INLET CONTROLS AS SHOWN ON THE PLAN. INSTALL ENERGY DISSIPATERS UPON COMPLETION
2. MAINTAIN DEVICES PER NOTES ON C0-1. GRAVEL CONSTRUCTION ENTRANCES AND OTHER MEASURES SHALL BE PROPERLY MAINTAINED TO PREVENT SEDIMENT FROM ENTERING THE STREET.
3. SKIMMER BASINS SHALL REMAIN UNTIL THEY ARE APPROVED TO BE REMOVED. FILTER BAGS SHALL BE USED TO DEWATER THE BASIN DURING THE CONVERSION.
4. ONCE THE STREETS HAVE BEEN PAVED, CURB INLET PROTECTION DEVICES SHALL BE CONVERTED TO STANDARD GRAVEL BAG CURB INLET PROTECTION.
5. ONCE THE SITE IS STABILIZED, CONTACT THE ENVIRONMENTAL CONSULTANT FOR INSPECTION AND APPROVAL TO REMOVE DEVICES.
6. CLEAN OUT SKIMMER BASINS WITH THE USE OF FILTER BAGS, CUT AND GRADE SCM TO FINAL ELEVATIONS AND SEED IMMEDIATELY.
7. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED WEEKLY AND AFTER RAIN EVENTS SO THAT STREETS REMAIN CLEAN. AFTER PAVING HAS OCCURED, THE CONTRACTOR SHALL KEEP STREETS FREE OF SEDIMENT.
8. SCM CERTIFICATIONS AND AS-BUILT PLANS MUST BE PROVIDED TO THE STORMWATER CONTROL INSPECTOR FOR REVIEW 7 DAYS PRIOR TO FINAL INSPECTION. CERTIFICATIONS AND AS-BUILT PLANS MUST BE ACCEPTED PRIOR TO APPROVAL OF FINAL INSPECTION.

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(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
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Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

Permanent Diversion Summary

PD	DA	C	I	Q (25)	Bottom W (ft)	Side Slopes	V (fps)	Normal D	Normal D	Depth Req	Shear Stress	Liner
	(ac)		(in/hr)	(ft^3/sec)		(__H:1V)		(in)	(ft)	(ft)	(lb/ft^2)	
1	0.226	0.55	7.98	0.99	2	3	2.21	2.1	0.18	1	0.4	NAG S75BN
2	0.516	0.65	7.98	2.68	2	3	2.1	4.5	0.38	1	0.35	NAG S75BN
3	0.551	0.65	7.98	2.86	2	3	2.51	4.4	0.37	1	0.49	NAG S75BN
4	0.443	0.65	7.98	2.30	2	3	3.04	3.2	0.27	1	0.85	NAG S75BN
5	0.582	0.65	7.98	3.02	2	3	2.52	4.6	0.38	1	0.47	NAG S75BN

TOTAL DISTURBED AREA
±62.9 ACRES

0 75' 150' 300'
SCALE: 1" = 150'

811
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REV	DATE	DESCRIPTION
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
4	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
3	11/21/2023	PER TOWN OF ROLESVILLE COMMENT
2	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REV	06/01/2023	INITIAL SUBMITTAL

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

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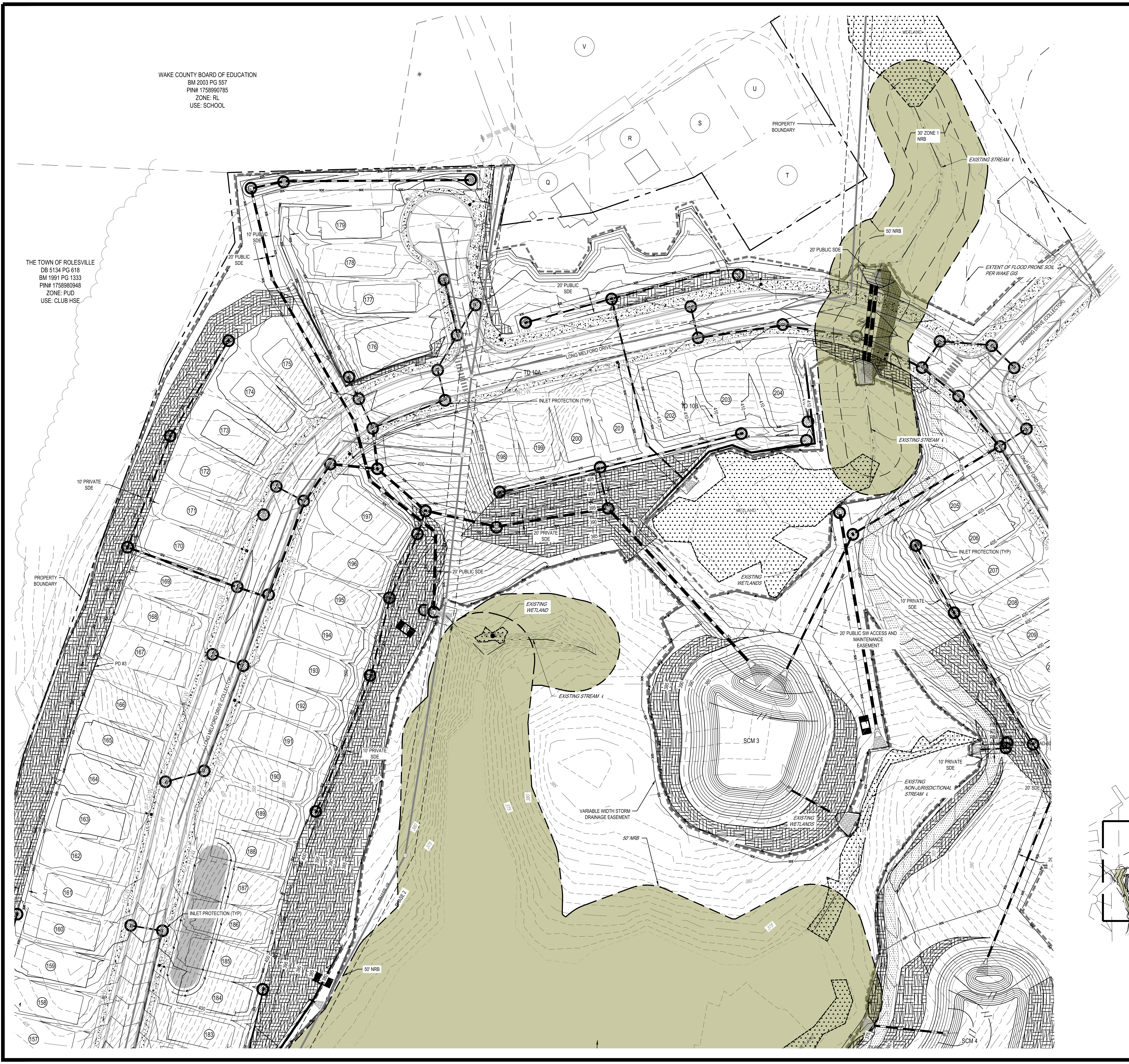
PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

OVERALL PHASE 3 EROSION CONTROL PLAN

SEAL 028892
DEBRA M. FERM
DocuSigned by:
Debbi Ferm
3/13/2024

FILE NUMBER: 8430-03
DATE: 03/04/2024
C5-14



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

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
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(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
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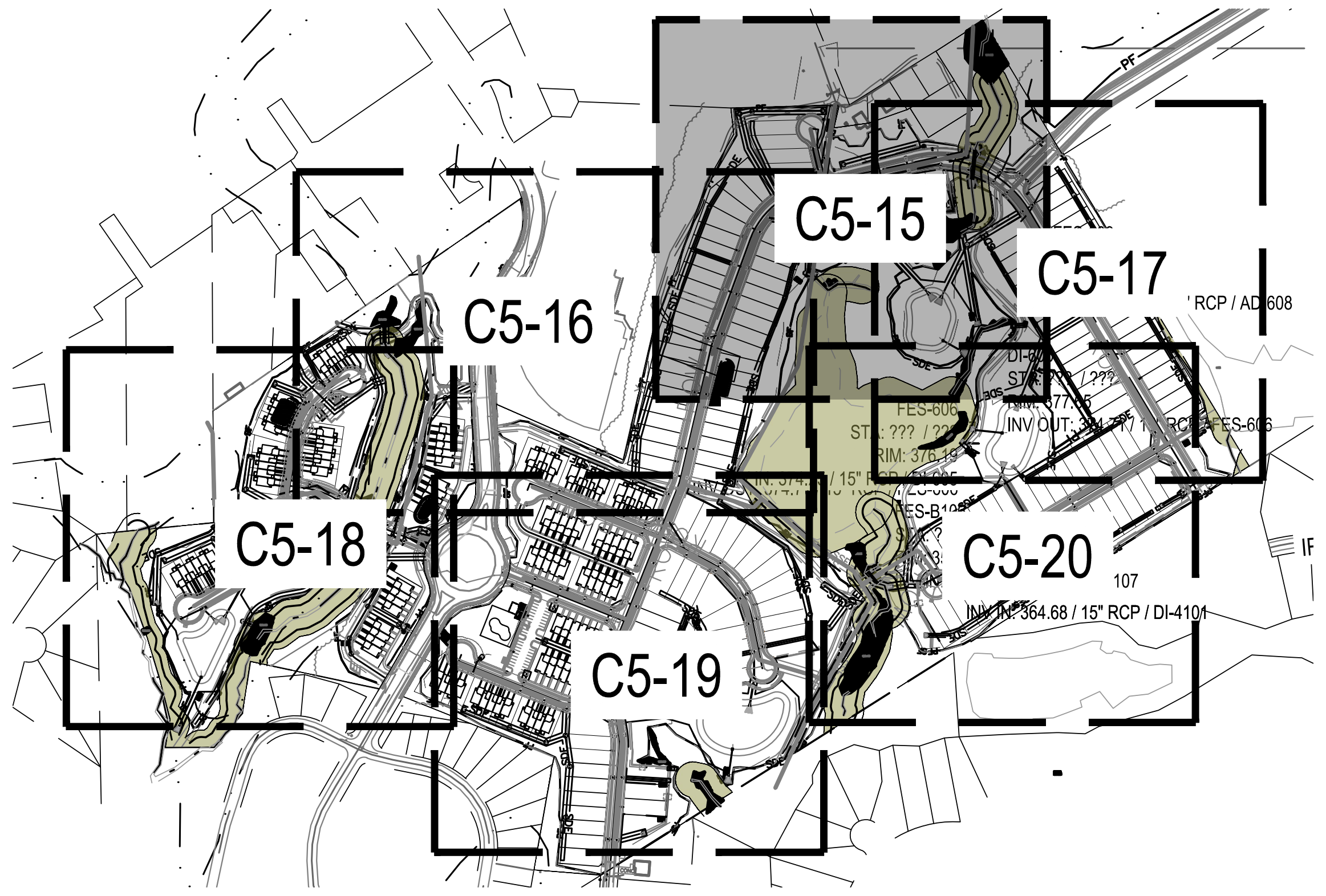
HATCHED SLOPES ARE 3:1 OR GREATER AND REQUIRE STABILIZATION PER TABLE AT LEFT

EROSION CONTROL LEGEND

- PROPERTY LINE
- 600 EXISTING MAJOR CONTOUR
- 601 EXISTING MINOR CONTOUR
- 600 PROPOSED MAJOR CONTOUR
- 601 PROPOSED MINOR CONTOUR
- DRAINAGE AREA
- DA# ±X.X AC DRAINAGE AREA LABEL
- H:V X.X% DIRECTION OF OVERLAND FLOW
- 100.XX SPOT ELEVATION
- RIP RAP APRON
- CONSTRUCTION ENTRANCE / EXIT
- EROSION CONTROL MATTING (NAG S75)
- LIMITS OF DISTURBANCE
- TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
- TEMPORARY DIVERSION DITCH OR BERM
- SF TEMPORARY SILT FENCE
- PF TEMP TREE PROTECTION FENCE
- SF–PF TEMP SILT / TREE PROTECTION FENCE
- CF TEMP CONSTRUCTION FENCE
- 4.00' SILT FENCE OUTLET
- CHECK DAM
- SEDIMENTATION CHAMBER BERM
- SLOPE DRAIN WITH RIP-RAP APRON
- TEMPORARY RISER SKIMMER SEDIMENT BASIN
- STANDARD PIPE INLET PROTECTION
- STANDARD GRAVEL INLET PROTECTION
- EXCAVATED INLET SEDIMENT TRAP
- WASHOUT STATION
- FB FILTER BAG



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

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

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PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED PHASE 3
EROSION CONTROL
PLAN (1 OF 6)

SEAL 028892
DEBRA M. FERM
3/13/2024
DocuSigned by:
Debra Ferm

FILE NUMBER: 8430-03
DATE: 03/04/2024
C5-15

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SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
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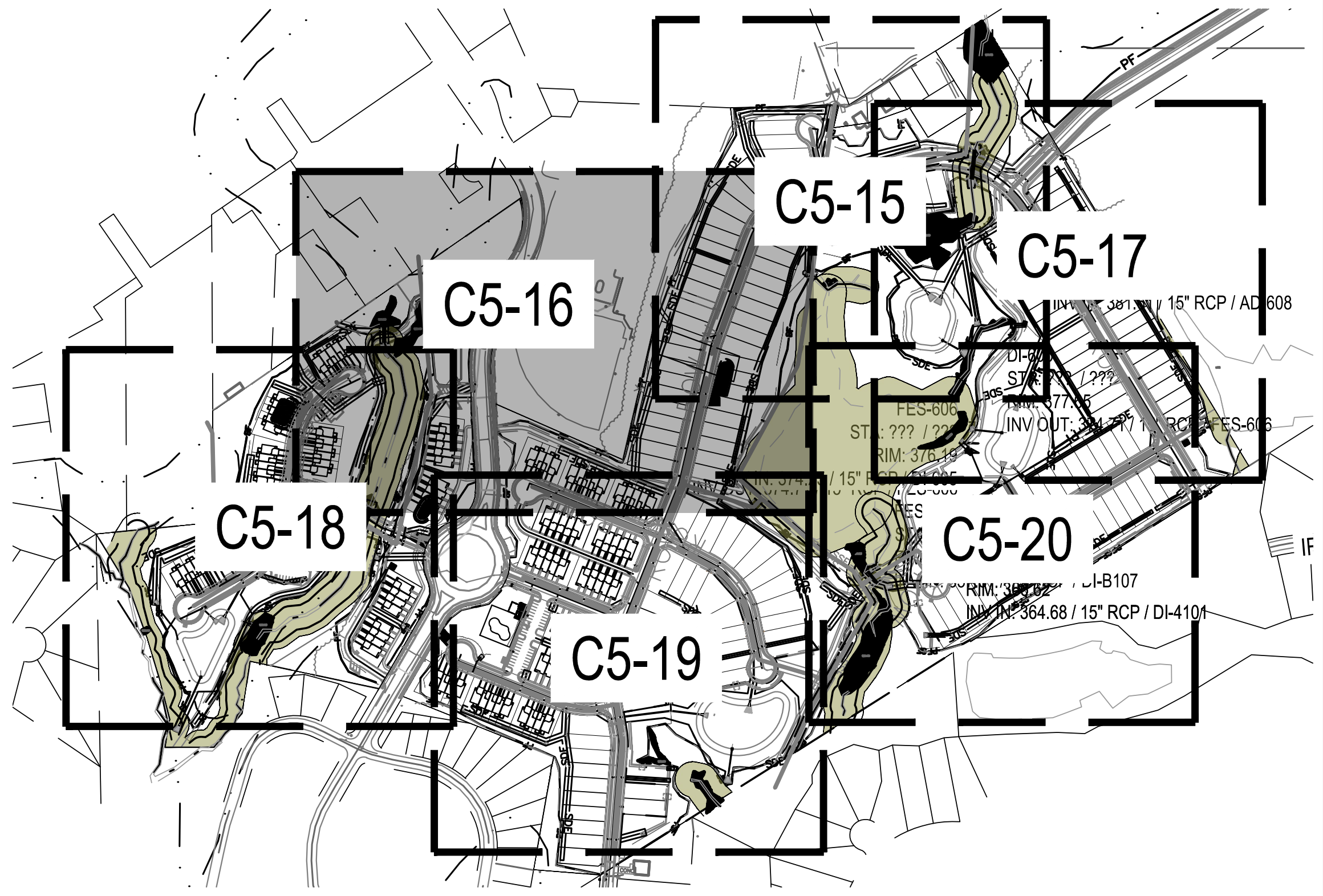
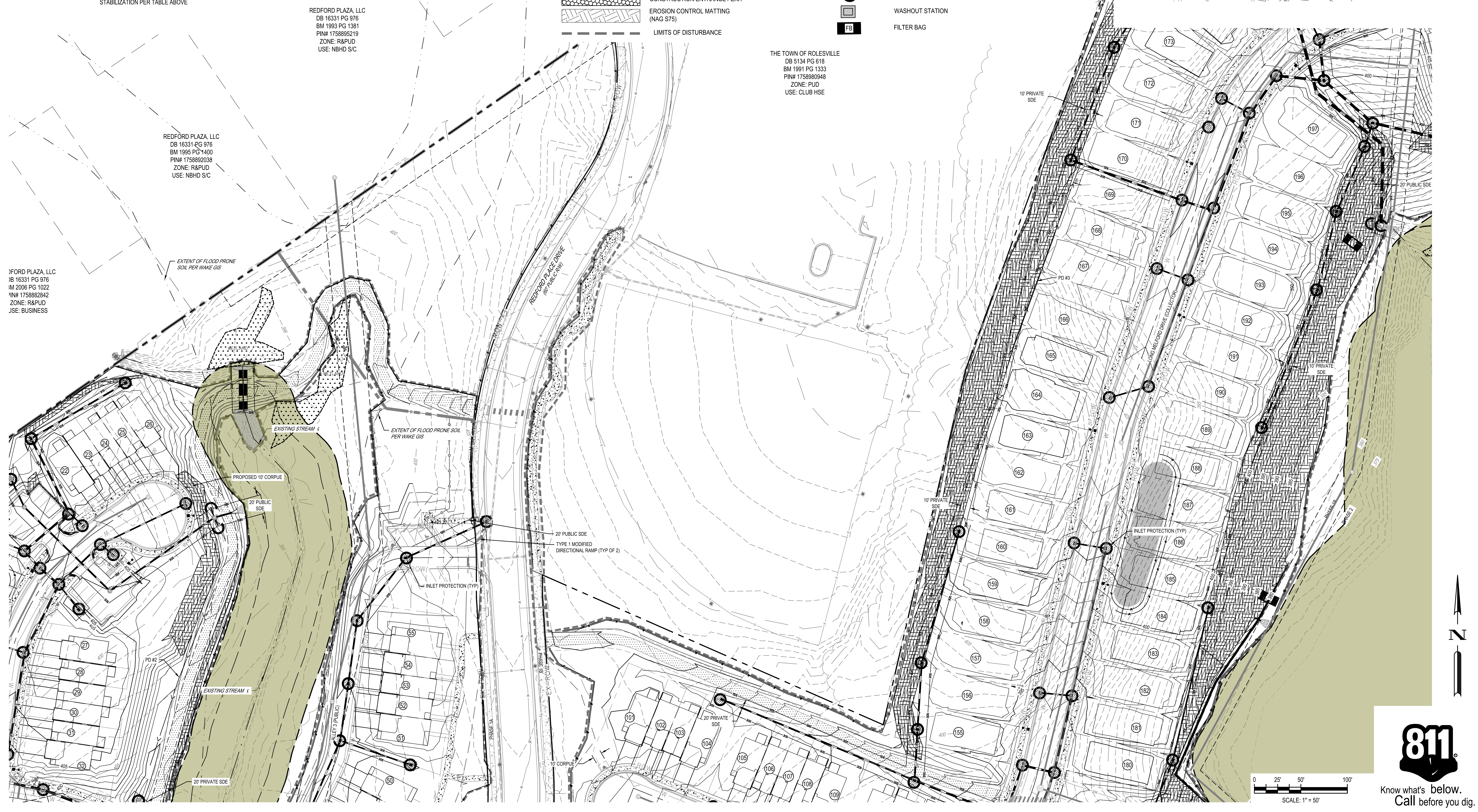
HATCHED SLOPES ARE 3:1 OR GREATER AND REQUIRE STABILIZATION PER TABLE ABOVE

EROSION CONTROL LEGEND

	PROPERTY LINE
600	EXISTING MAJOR CONTOUR
601	EXISTING MINOR CONTOUR
600	PROPOSED MAJOR CONTOUR
601	PROPOSED MINOR CONTOUR
	DRAINAGE AREA
DA# ±X.X AC	DRAINAGE AREA LABEL
H:V X.X%	DIRECTION OF OVERLAND FLOW
100.XX	SPOT ELEVATION
	RIP RAP APRON
	CONSTRUCTION ENTRANCE / EXIT
	EROSION CONTROL MATTING (NAG S75)
	LIMITS OF DISTURBANCE
//	TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
> >	TEMPORARY DIVERSION DITCH OR BERM
SF	TEMPORARY SILT FENCE
PF	TEMP TREE PROTECTION FENCE
SF–PF	TEMP SILT / TREE PROTECTION FENCE
CF	TEMP CONSTRUCTION FENCE
4.00'	SILT FENCE OUTLET
	CHECK DAM
	SEDIMENTATION CHAMBER BERM
	SLOPE DRAIN WITH RIP-RAP APRON
	TEMPORARY RISER SKIMMER SEDIMENT BASIN
	STANDARD PIPE INLET PROTECTION
	STANDARD GRAVEL INLET PROTECTION
	EXCAVATED INLET SEDIMENT TRAP
	WASHOUT STATION
FB	FILTER BAG





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1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REV	06/01/2023	INITIAL SUBMITTAL

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

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ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED PHASE 3
EROSION CONTROL
PLAN (2 OF 6)

SEAL
028892
DEBRA M. FERM
DocuSigned by:
Debbi Ferm
3/13/2024
FDC35974B30F48A...

FILE NUMBER:
8430-03

DATE: 03/04/2024

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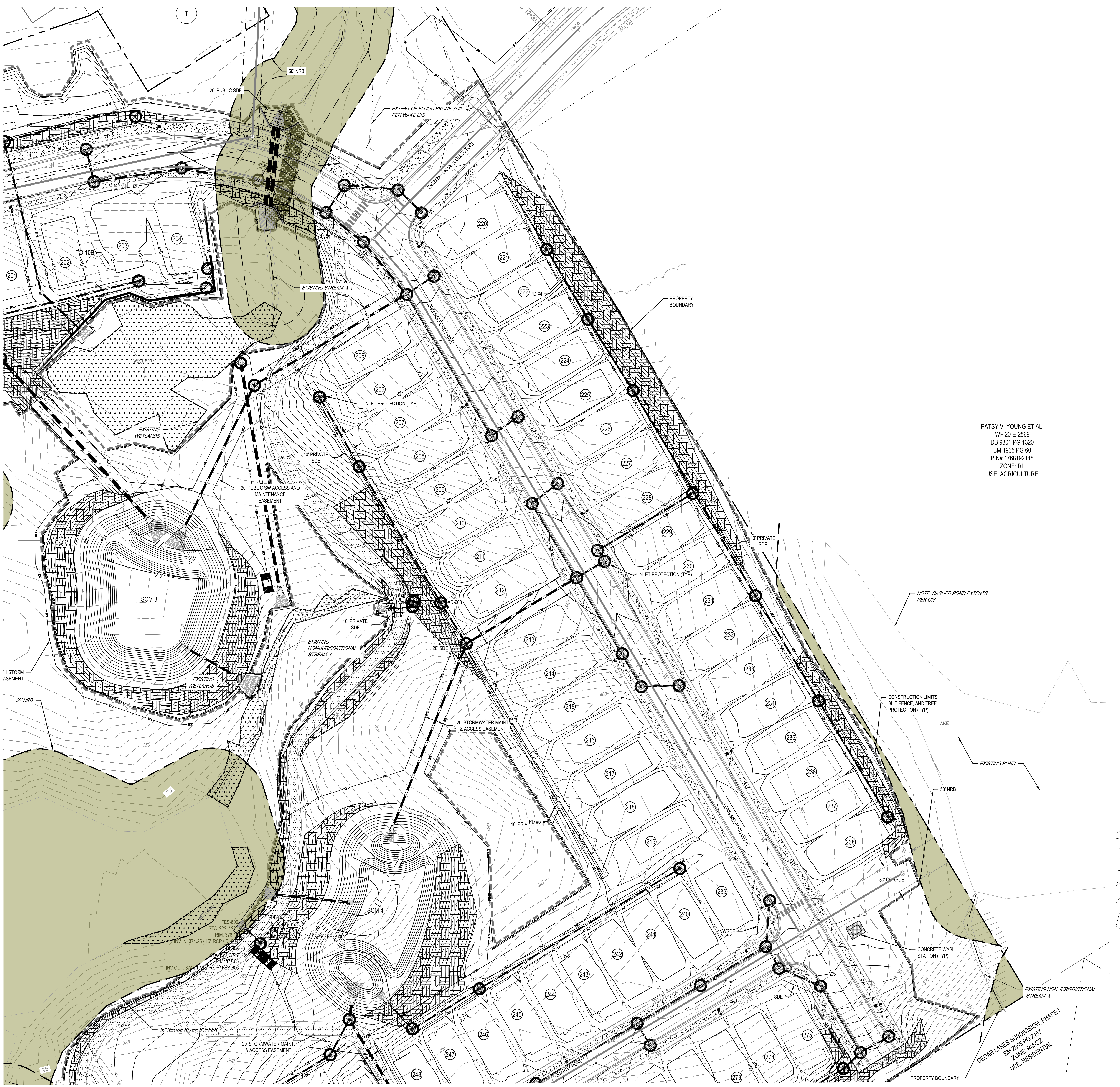

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
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▨ HATCHED SLOPES ARE 3:1 OR GREATER AND REQUIRE STABILIZATION PER TABLE AT LEFT

N

EROSION CONTROL LEGEND

— - - —	PROPERTY LINE
600	EXISTING MAJOR CONTOUR
601	EXISTING MINOR CONTOUR
600	PROPOSED MAJOR CONTOUR
601	PROPOSED MINOR CONTOUR
▬ ▬ ▬	DRAINAGE AREA
DA# ±X.X AC	DRAINAGE AREA LABEL
H:V X.X%	DIRECTION OF OVERLAND FLOW
100.XX 100.XX	SPOT ELEVATION
▨	RIP RAP APRON
▨	CONSTRUCTION ENTRANCE / EXIT
▨	EROSION CONTROL MATTING (NAG S75)
▬ ▬ ▬	LIMITS OF DISTURBANCE
//	TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
> >	TEMPORARY DIVERSION DITCH OR BERM
SF	TEMPORARY SILT FENCE
PF	TEMP TREE PROTECTION FENCE
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	CHECK DAM
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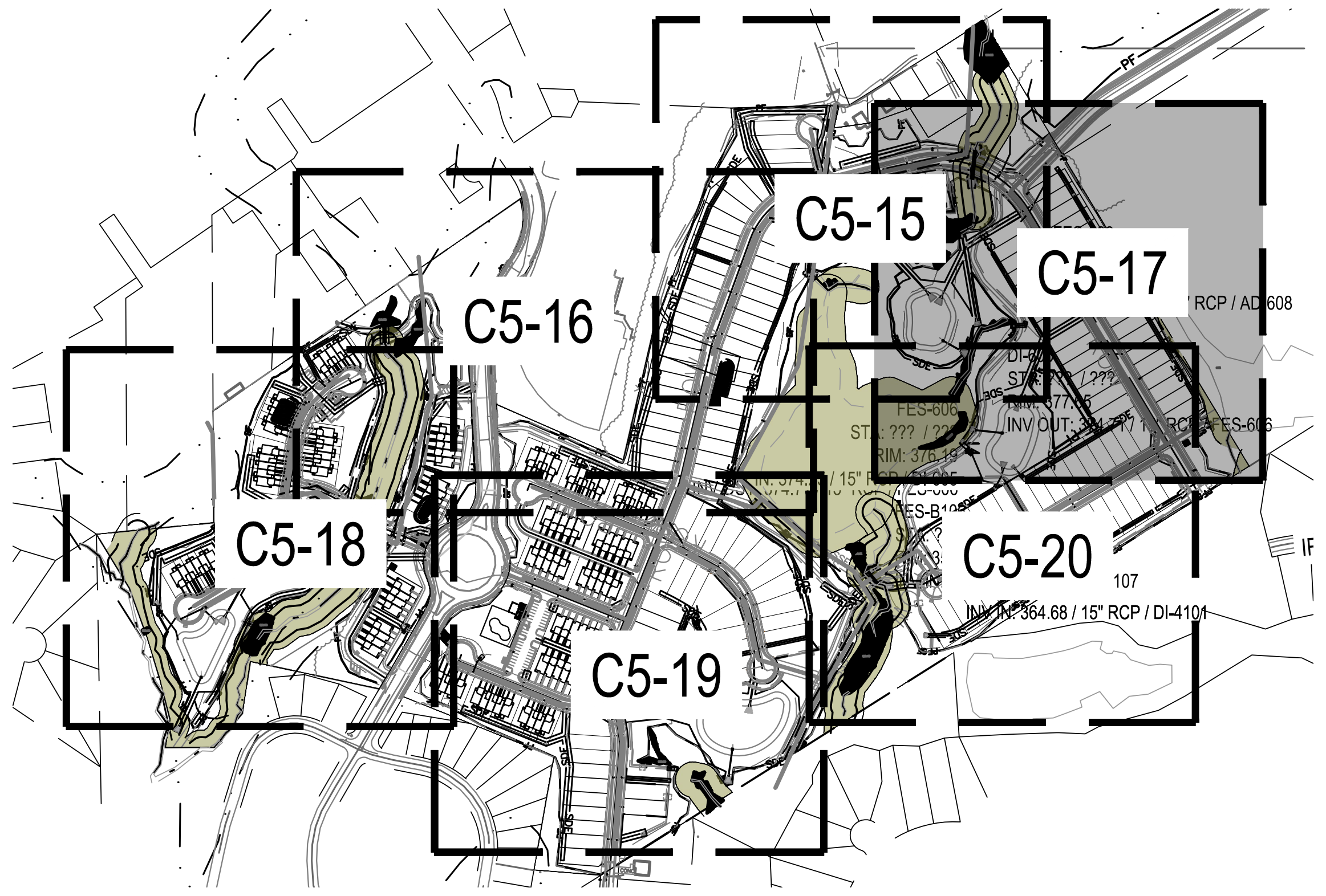
○	STANDARD PIPE INLET PROTECTION
○	STANDARD GRAVEL INLET PROTECTION
○	EXCAVATED INLET SEDIMENT TRAP
▢	WASHOUT STATION
FB	FILTER BAG



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

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REV	DATE	DESCRIPTION
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
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1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REV	06/01/2023	INITIAL SUBMITTAL

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

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ROLESVILLE / NORTH CAROLINA / 27571

ENLARGED PHASE 3 EROSION CONTROL PLAN (3 OF 6)

SEAL 028892
DEBRA M. FERM
DocuSigned by:
Debbi Ferm
3/13/2024

FILE NUMBER: 8430-03
DATE: 03/04/2024
C5-17

DocuSign Envelope ID: 39F2B511-1714-4826-88F5-D3FB630AD720

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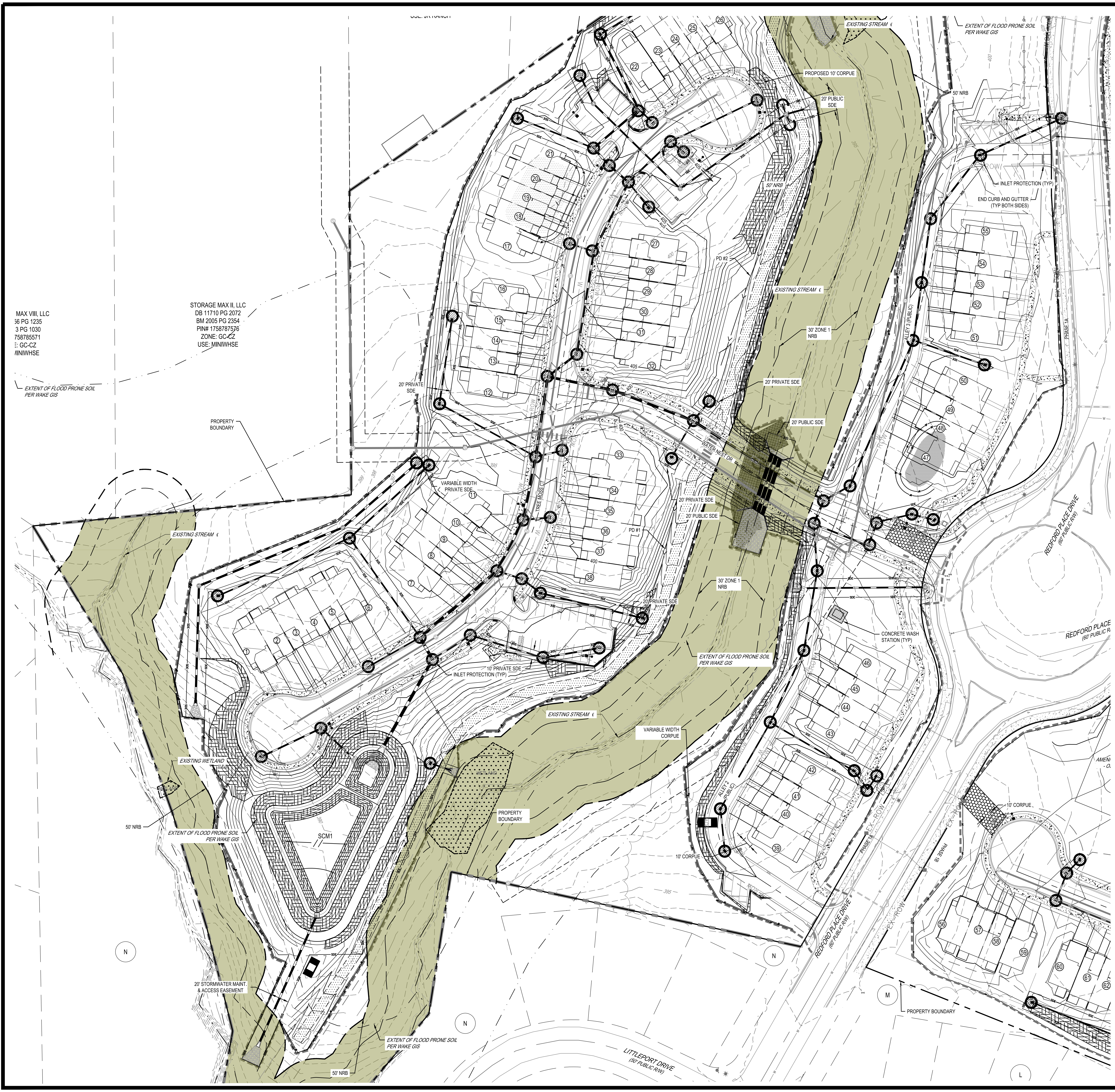

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
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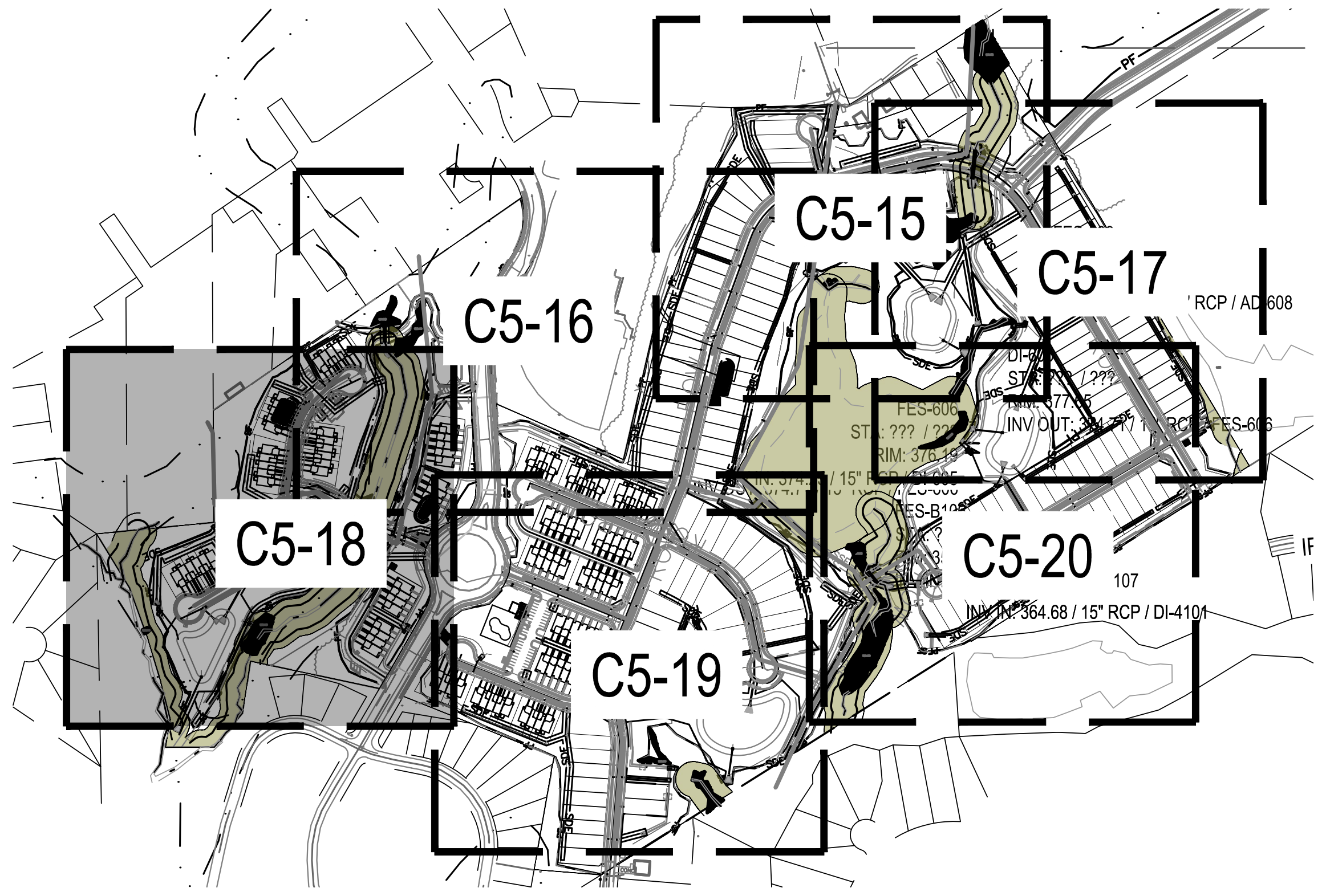
N

EROSION CONTROL LEGEND

PROPERTY LINE
600 EXISTING MAJOR CONTOUR
601 EXISTING MINOR CONTOUR
600 PROPOSED MAJOR CONTOUR
601 PROPOSED MINOR CONTOUR
DRAINAGE AREA
DA# ±X.X AC DRAINAGE AREA LABEL
H:V X.X% DIRECTION OF OVERLAND FLOW
100.XX 100.XX SPOT ELEVATION
RIP RAP APRON
CONSTRUCTION ENTRANCE / EXIT
EROSION CONTROL MATTING (NAG S75)
LIMITS OF DISTURBANCE
TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
TEMPORARY DIVERSION DITCH OR BERM
SF TEMPORARY SILT FENCE
PF TEMP TREE PROTECTION FENCE
SF—PF TEMP SILT / TREE PROTECTION FENCE
CF TEMP CONSTRUCTION FENCE
4.00' SILT FENCE OUTLET
CHECK DAM
SEDIMENTATION CHAMBER BERM
SLOPE DRAIN WITH RIP-RAP APRON
TEMPORARY RISER SKIMMER SEDIMENT BASIN
STANDARD PIPE INLET PROTECTION
STANDARD GRAVEL INLET PROTECTION
EXCAVATED INLET SEDIMENT TRAP
WASHOUT STATION
FB FILTER BAG



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

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REV	06/01/2023	INITIAL SUBMITTAL

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

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ENLARGED PHASE 3 EROSION CONTROL PLAN (4 OF 6)

SEAL 028892
DEBRA M. FERM
DocuSigned by:
Debbi Ferm
FDC35974B30F48A...
3/13/2024

FILE NUMBER:
8430-03

DATE: 03/04/2024

C5-18

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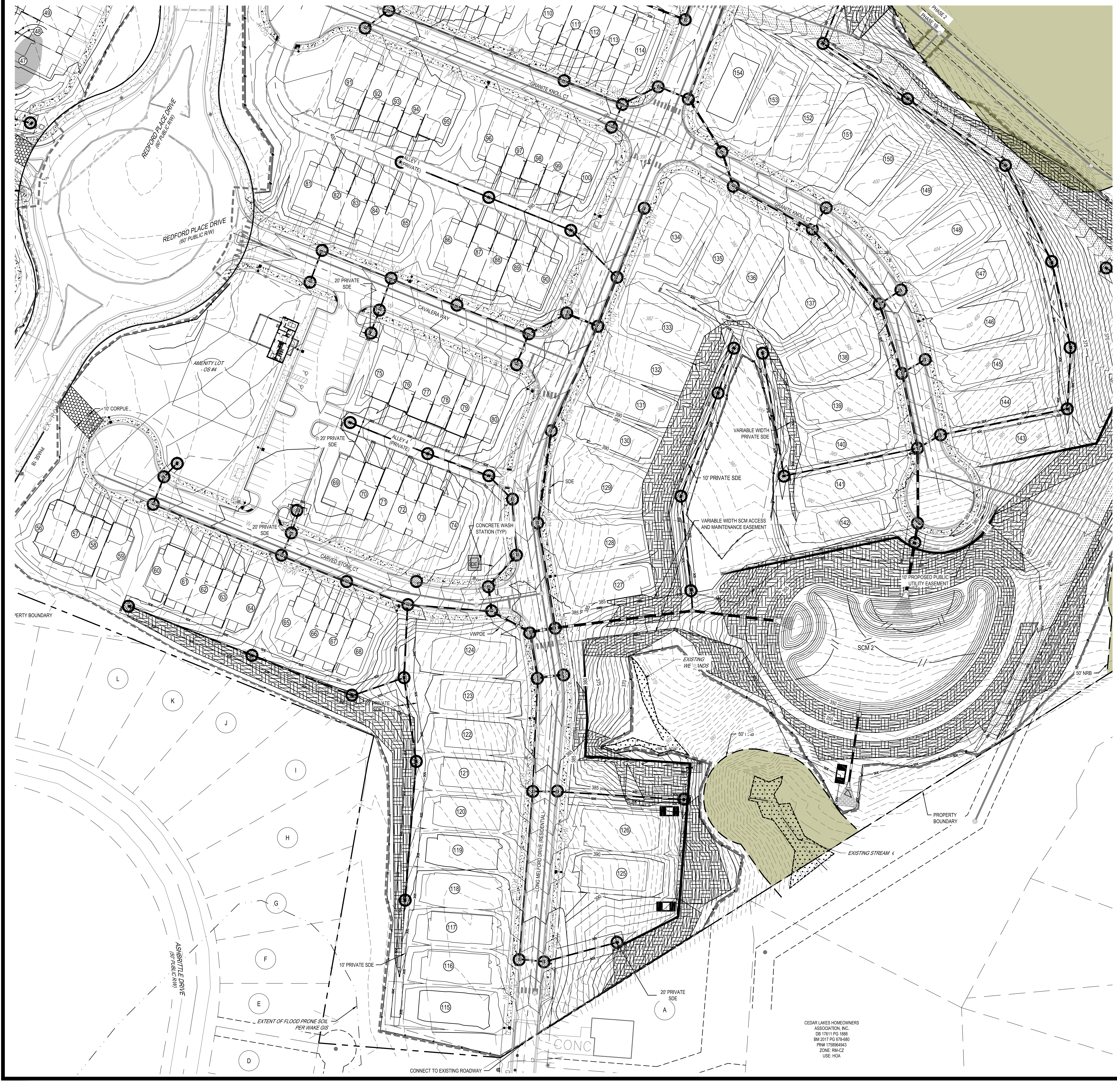

SECTION E: GROUND STABILIZATION

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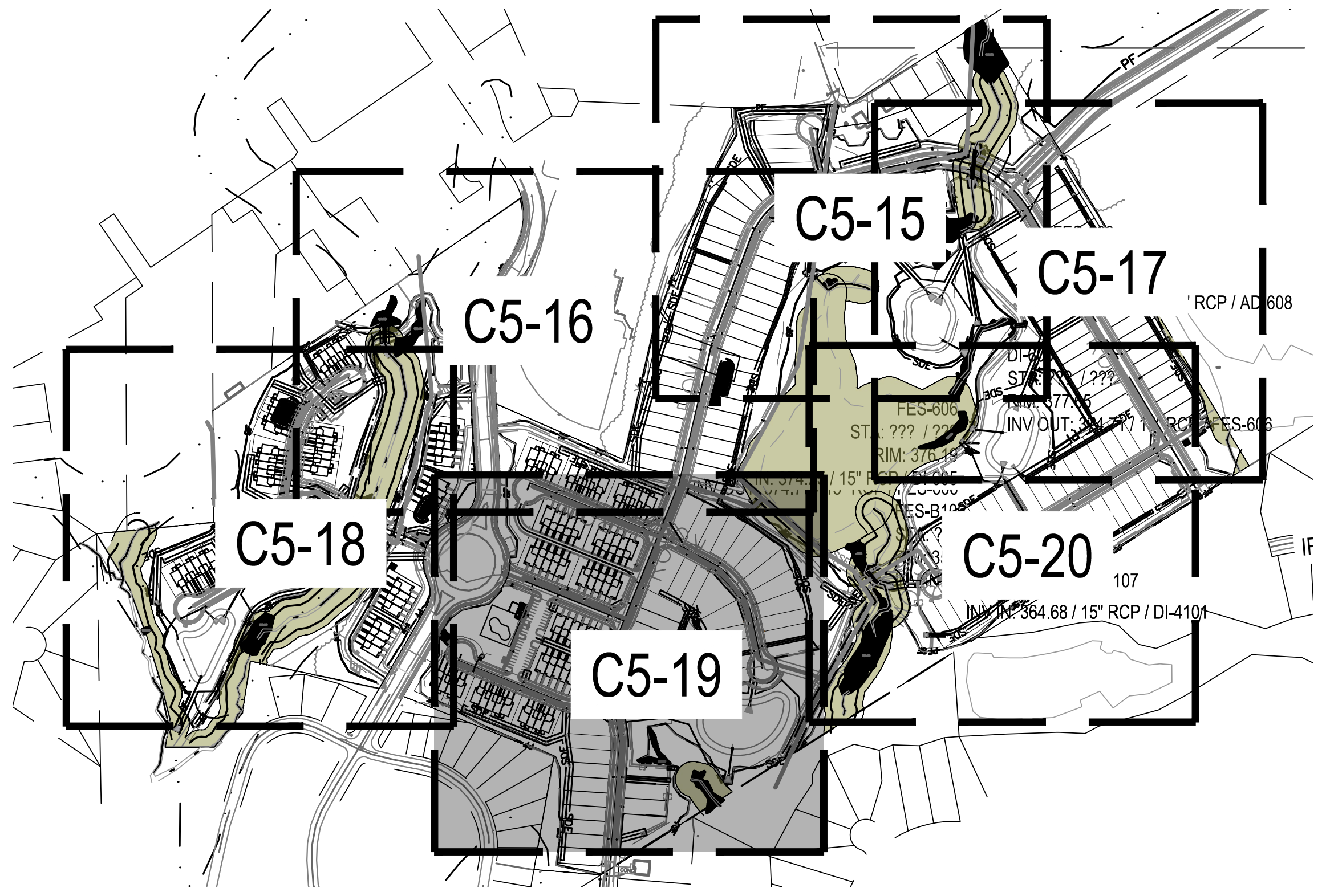
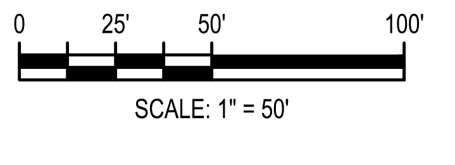
EROSION CONTROL LEGEND

— — — —	PROPERTY LINE
600	EXISTING MAJOR CONTOUR
601	EXISTING MINOR CONTOUR
600	PROPOSED MAJOR CONTOUR
601	PROPOSED MINOR CONTOUR
▬ ▬ ▬	DRAINAGE AREA
DA# ±X.X AC	DRAINAGE AREA LABEL
H:V → X.X% →	DIRECTION OF OVERLAND FLOW
100.XX 100.XX	SPOT ELEVATION
▨	RIP RAP APRON
▨	CONSTRUCTION ENTRANCE / EXIT
▨	EROSION CONTROL MATTING (NAG S75)
▬ ▬ ▬	LIMITS OF DISTURBANCE
—//—	TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
—>—>—	TEMPORARY DIVERSION DITCH OR BERM
—SF—	TEMPORARY SILT FENCE
—PF—	TEMP TREE PROTECTION FENCE
—SF–PF—	TEMP SILT / TREE PROTECTION FENCE
—CF—	TEMP CONSTRUCTION FENCE
4.00'	SILT FENCE OUTLET
◗	CHECK DAM
▨	SEDIMENTATION CHAMBER BERM
▬	SLOPE DRAIN WITH RIP-RAP APRON
—●	TEMPORARY RISER SKIMMER SEDIMENT BASIN
C	STANDARD PIPE INLET PROTECTION
○	STANDARD GRAVEL INLET PROTECTION
●	EXCAVATED INLET SEDIMENT TRAP
▨	WASHOUT STATION
FB	FILTER BAG





SCALE: 1" = 50'

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	06/01/2023	INITIAL SUBMITTAL

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

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82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

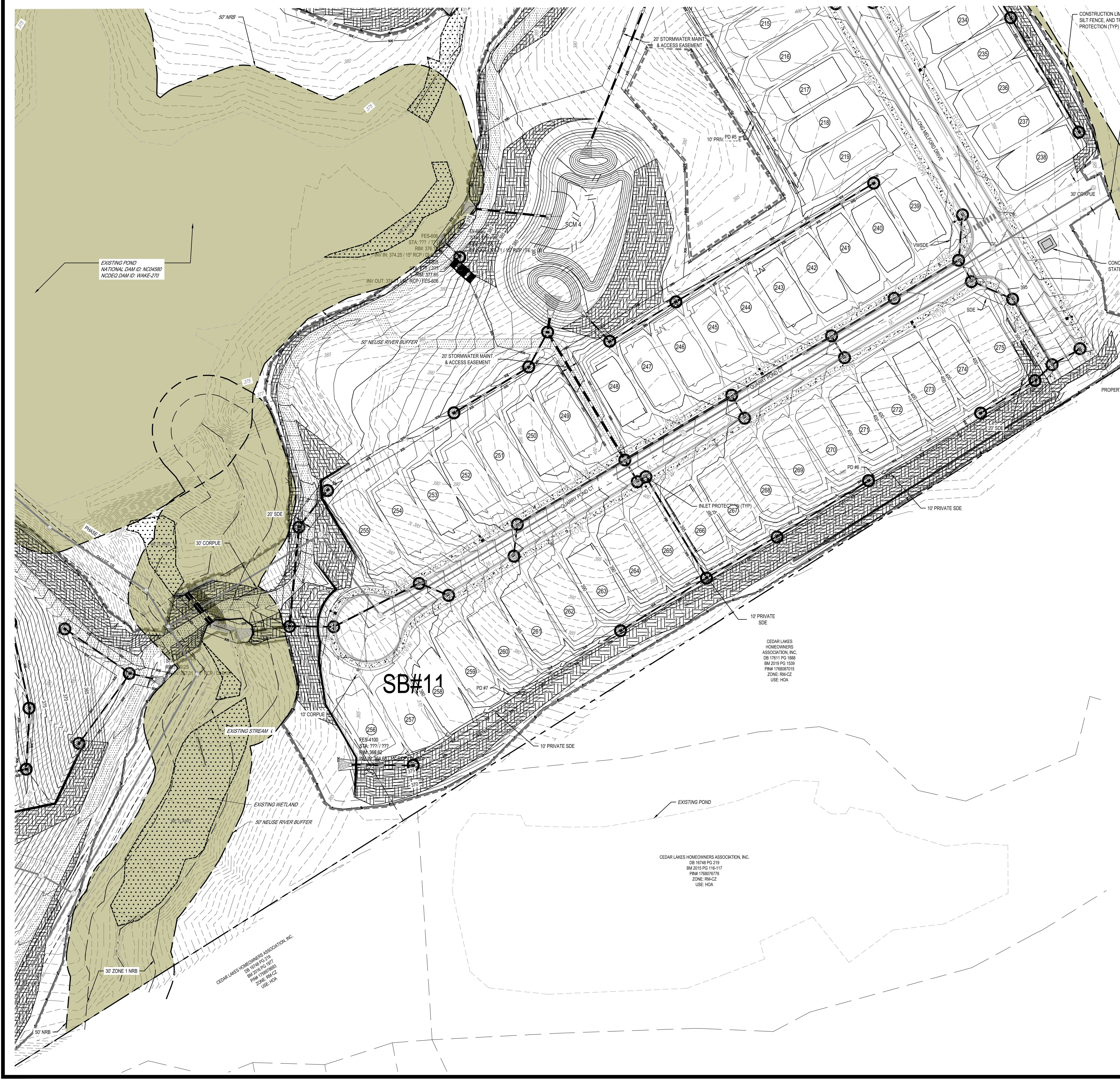
ENLARGED PHASE 3 EROSION CONTROL PLAN (5 OF 6)

SEAL 028892
DEBRA M. FERM
DocuSigned by:
Debbi Ferm
3/13/2024
FDC35974B30F48A...

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

C5-19

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C2-2 - EROS-PH3.dwg Layout: C5-20 ENLARGED PHASE 3 EROSION CONTROL PLAN (6 OF 6) Plotted: 3/4/2024 1:30:32 PM



SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

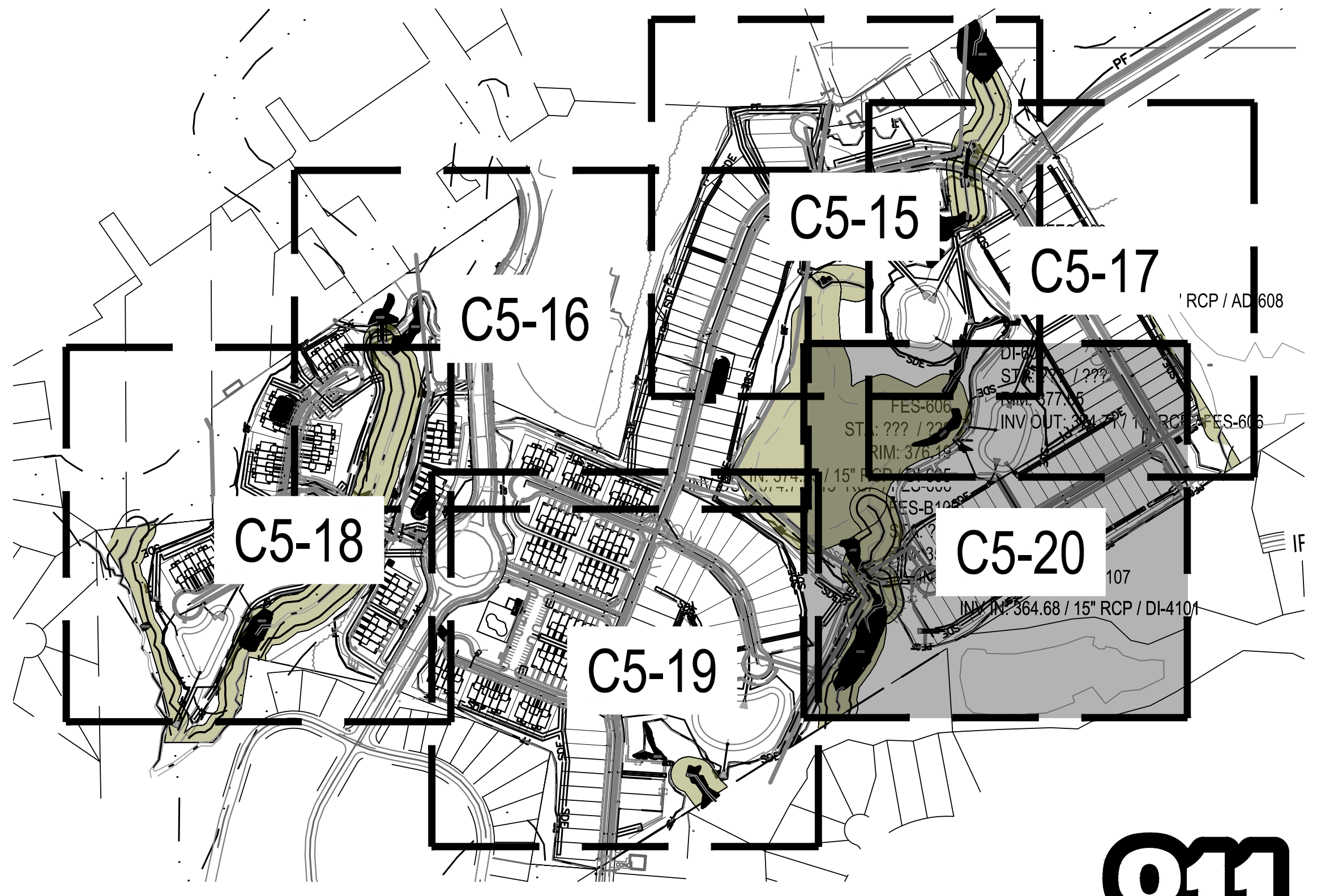
Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization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

▨ HATCHED SLOPES ARE 3:1 OR GREATER AND REQUIRE STABILIZATION PER TABLE AT LEFT

N

EROSION CONTROL LEGEND

— — —	PROPERTY LINE
600	EXISTING MAJOR CONTOUR
601	EXISTING MINOR CONTOUR
600	PROPOSED MAJOR CONTOUR
601	PROPOSED MINOR CONTOUR
▬ ▬ ▬	DRAINAGE AREA
DA# ±X.X AC	DRAINAGE AREA LABEL
H:V X.X%	DIRECTION OF OVERLAND FLOW
100.XX 100.XX	SPOT ELEVATION
▨	RIP RAP APRON
▨	CONSTRUCTION ENTRANCE / EXIT
▨	EROSION CONTROL MATTING (NAG S75)
‒ ‒ ‒	LIMITS OF DISTURBANCE
//	TEMPORARY JUTE NETTING BAFFLES (700 G/M2 COIR FABRIC OR HEAVIER)
>	TEMPORARY DIVERSION DITCH OR BERM
SF	TEMPORARY SILT FENCE
PF	TEMP TREE PROTECTION FENCE
SF-PF	TEMP SILT / TREE PROTECTION FENCE
CF	TEMP CONSTRUCTION FENCE
4.00'	SILT FENCE OUTLET
◗	CHECK DAM
▭	SEDIMENTATION CHAMBER BERM
▬	SLOPE DRAIN WITH RIP-RAP APRON
▬	TEMPORARY RISER SKIMMER SEDIMENT BASIN
○	STANDARD PIPE INLET PROTECTION
○	STANDARD GRAVEL INLET PROTECTION
●	EXCAVATED INLET SEDIMENT TRAP
▣	WASHOUT STATION
FB	FILTER BAG



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

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REV	DATE	DESCRIPTION
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
4	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
3	11/21/2023	PER TOWN OF ROLESVILLE COMMENT
2	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REV	06/01/2023	INITIAL SUBMITTAL

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

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ENLARGED PHASE 3 EROSION CONTROL PLAN (6 OF 6)

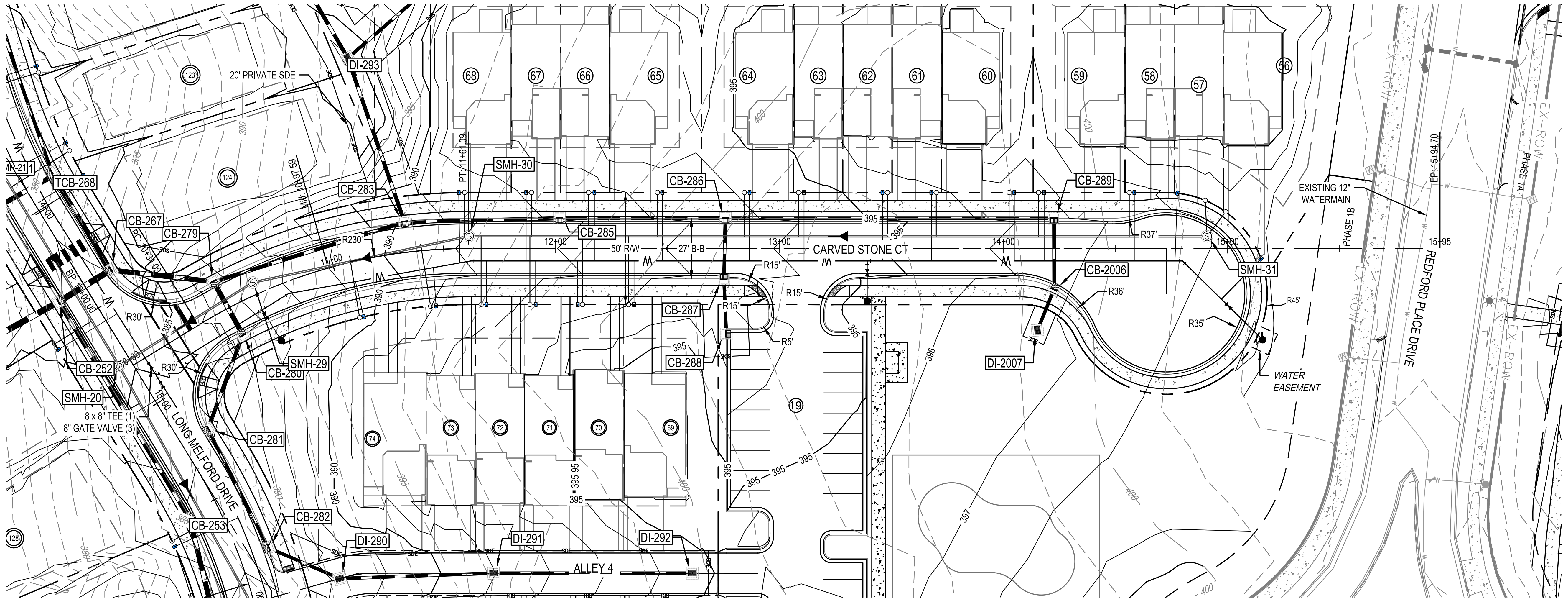
SEAL 028892
DEBRA M. FERM
DocuSigned by:
3/13/2024
Debbi Ferm
FDC35974B30F48A...

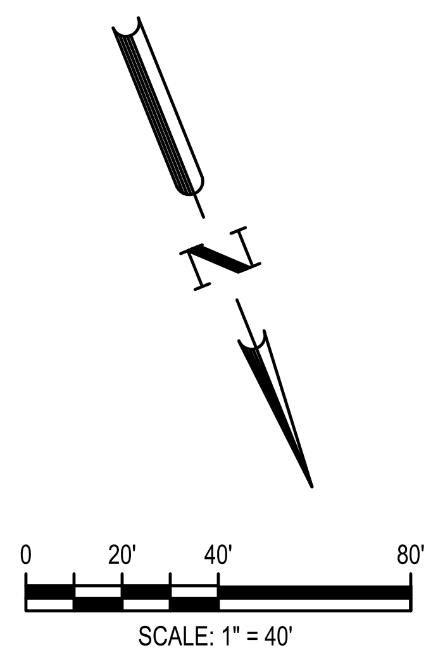
FILE NUMBER: 8430-03

DATE: 03/04/2024

C5-20

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C6-0 ROAD PLAN AND PROFILE.dwg Layout: C6-0 STREET A PLAN AND PROFILE Plotted: 3/4/2024 1:31:20 PM





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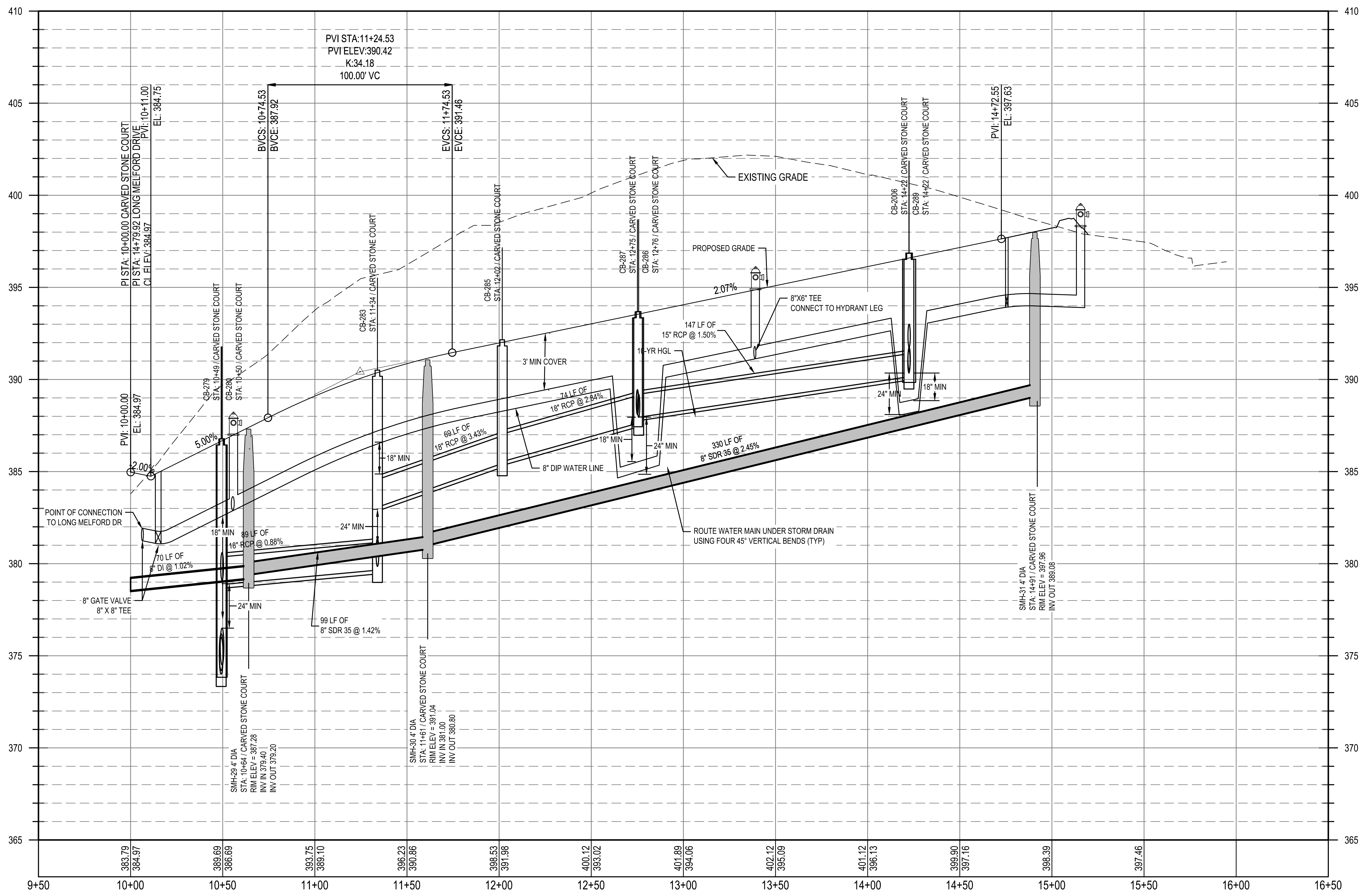

Public
Water Distribution / Extension System

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

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City of Raleigh
Public Utilities Department Permit # S-5439

Authorization to Construct See digital signature

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval

Raleigh Water Review Officer Timothy Beasley

Digitally signed by Timothy Beasley
DN: C=US, E=Timothy.Beasley@raleighnc.gov, O=City of Raleigh, OU=Raleigh Water, CN=Timothy Beasley
Reason: I am approving this document.
Date: 2024.03.22 08:19:01-04'00'

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DESIGNED BY: DF/CD

DRAWN BY: DF/JWM

REVIEWED BY: DF

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ROLESVILLE / NORTH CAROLINA / 27571

CARVED STONE CT PLAN
AND PROFILE

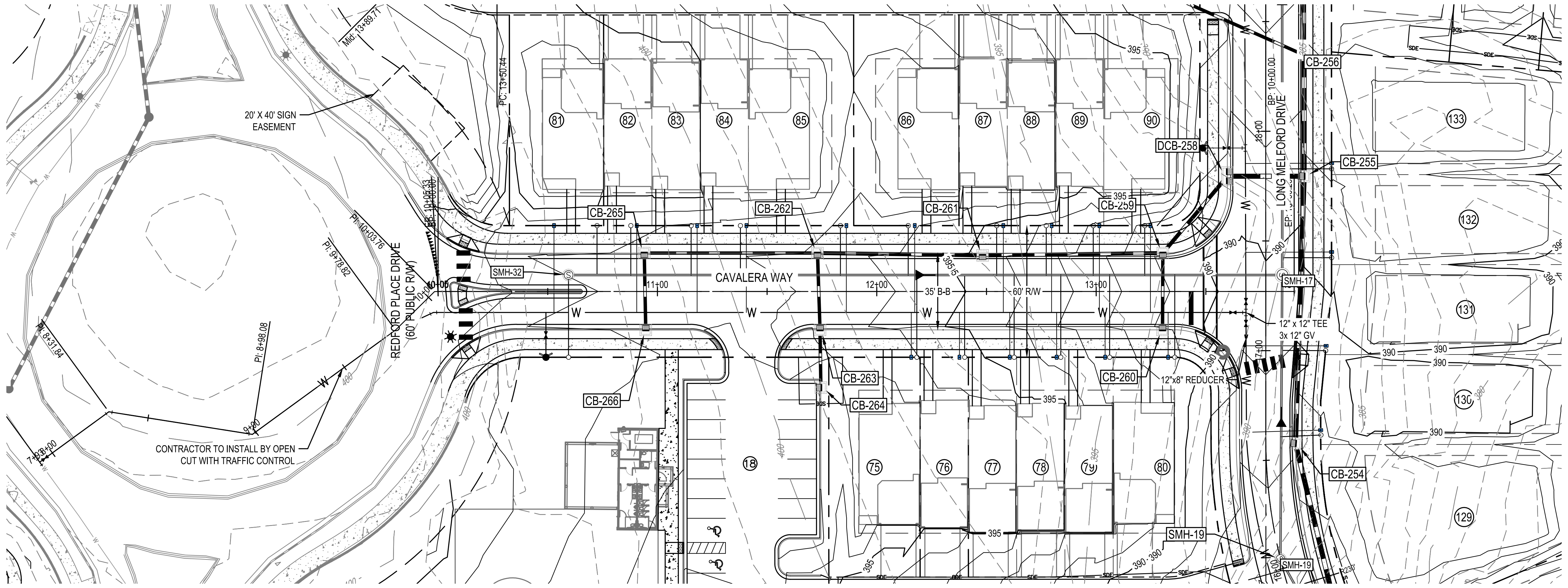
SEAL
028892
DEBRA M. FERM

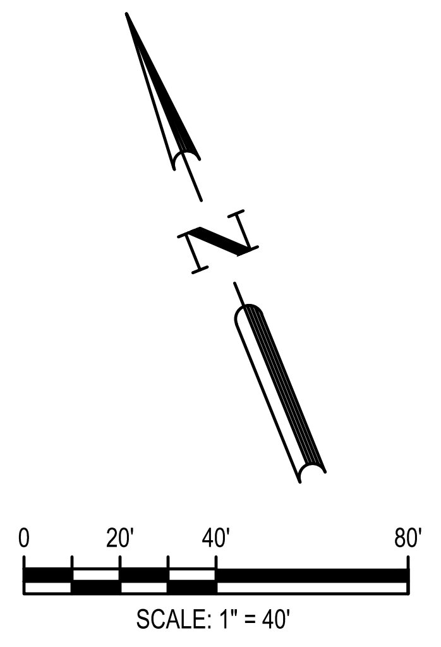
DocuSigned by:
Debbi Ferm
FDC35974B30F48A...
3/13/2024

FILE NUMBER:
8430-03

DATE: 03/04/2024

C6-0





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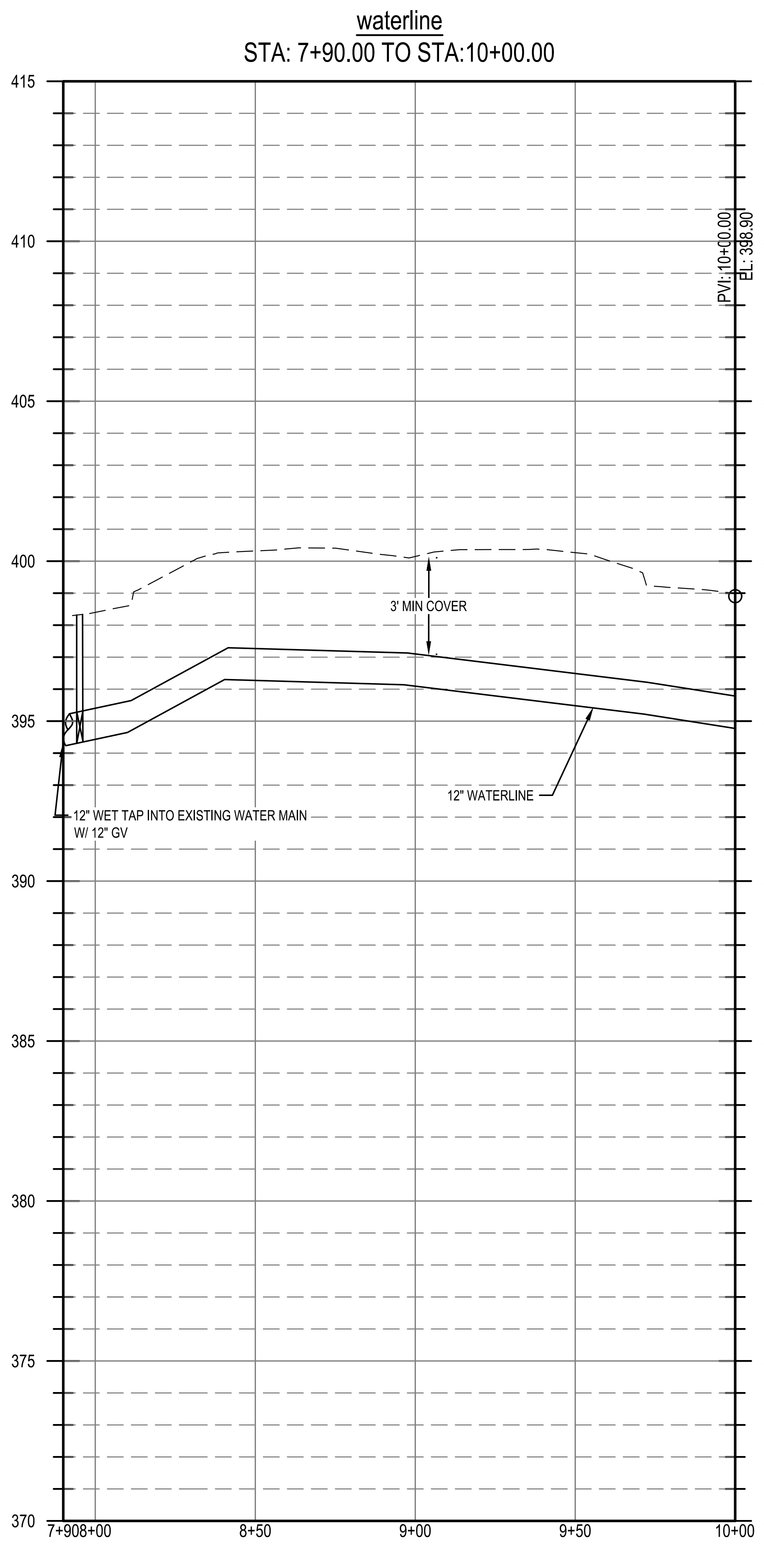
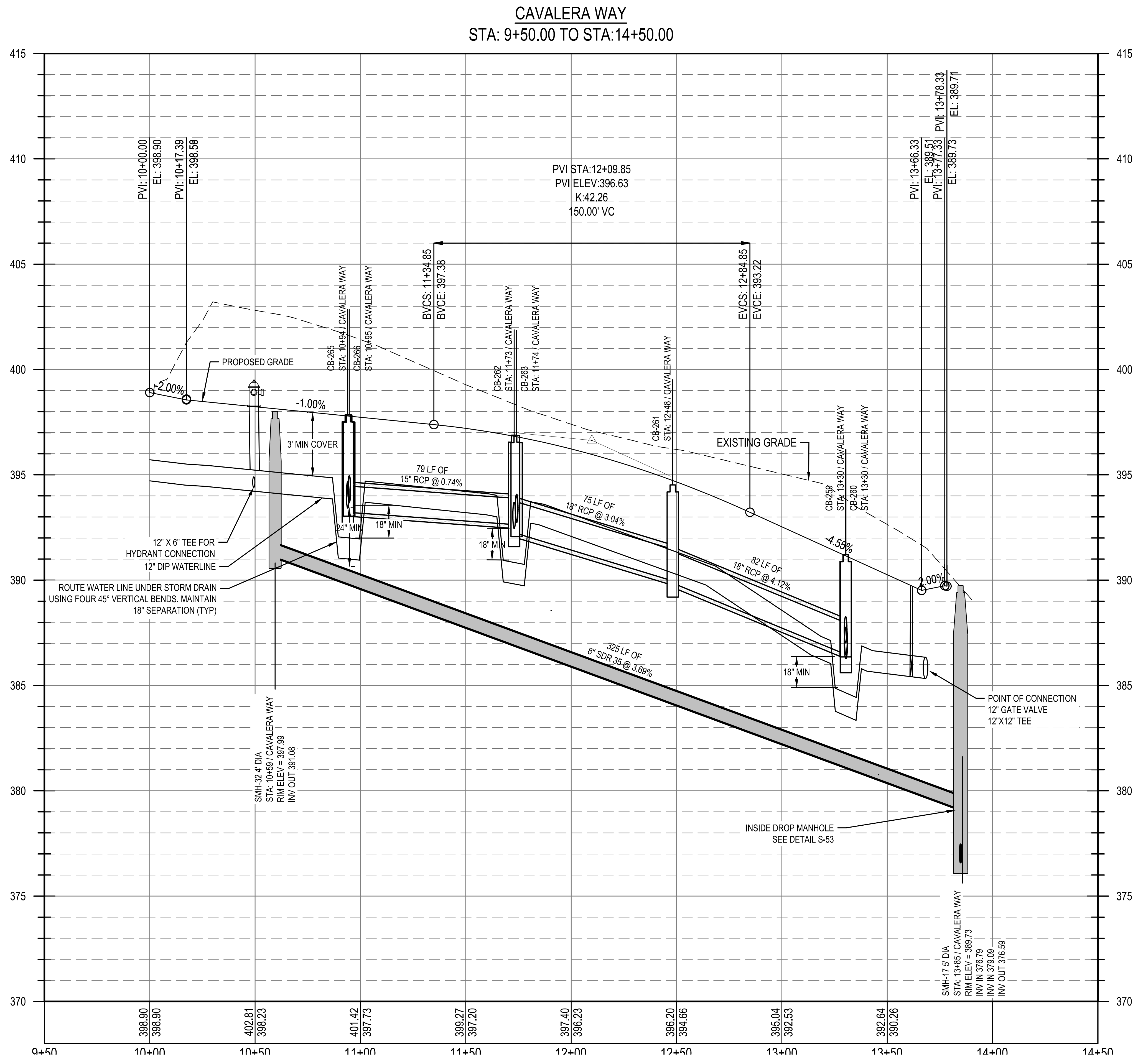


CAVALERA WAY
STA: 9+50.00 TO STA:14+50.00


415
410
405
400
395
390
385
380
375
370
PVI STA:12+09.85
PVI ELEV:396.63
K:42.26
150.00' VC
PVI:10+00.00
EL: 398.90
PVI:10+17.39
EL: 398.56
BVCS: 11+34.85
BVCE: 397.38
EVCS: 12+84.85
EVCE: 393.22
PVI:13+66.33
EL: 389.51
PVI:13+77.33
EL: 389.73
PVI: 13+78.33
EL: 389.71
PROPOSED GRADE
-2.00%
-1.00%
-4.55%
-2.00%
EXISTING GRADE
3' MIN COVER
12" X 6" TEE FOR HYDRANT CONNECTION
12" DIP WATERLINE
ROUTE WATER LINE UNDER STORM DRAIN USING FOUR 45° VERTICAL BENDS. MAINTAIN 18" SEPARATION (TYP)
79 LF OF 15" RCP @ 0.74%
75 LF OF 18" RCP @ 3.04%
82 LF OF 18" RCP @ 4.12%
325 LF OF 8" SDR 35 @ 3.69%
18" MIN
24" MIN
CB-265 STA: 10+64 / CAVALERA WAY
CB-266 STA: 10+65 / CAVALERA WAY
CB-262 STA: 11+73 / CAVALERA WAY
CB-263 STA: 11+74 / CAVALERA WAY
CB-261 STA: 12+48 / CAVALERA WAY
CB-259 STA: 13+30 / CAVALERA WAY
CB-260 STA: 13+30 / CAVALERA WAY
SMH-32 4' DIA STA: 10+59 / CAVALERA WAY RIM ELEV: 397.99 INV OUT 391.08
SMH-17 5' DIA STA: 13+95 / CAVALERA WAY RIM ELEV: 389.73 INV IN 378.79 INV IN 379.09 INV OUT 376.59
POINT OF CONNECTION 12" GATE VALVE 12"X12" TEE
INSIDE DROP MANHOLE SEE DETAIL S-53
398.90
398.90
402.81
398.23
401.42
397.73
399.27
397.20
397.40
396.23
396.20
394.66
395.04
392.53
392.64
390.26
9+50
10+00
10+50
11+00
11+50
12+00
12+50
13+00
13+50
14+00
14+50

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

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CAVALERA WAY PLAN AND PROFILE

SEAL 028892
DEBRA M. FERM
DocuSigned by:
Debbi Ferm
3/5/2024

FILE NUMBER:
8430-03

DATE: 03/04/2024

C6-1

Public
Water Distribution / Extension System

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City of Raleigh
Public Utilities Department Permit # W-4107

Authorization to Construct See digital signature

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Date: 2024.03.22 08:19:03-04'00'

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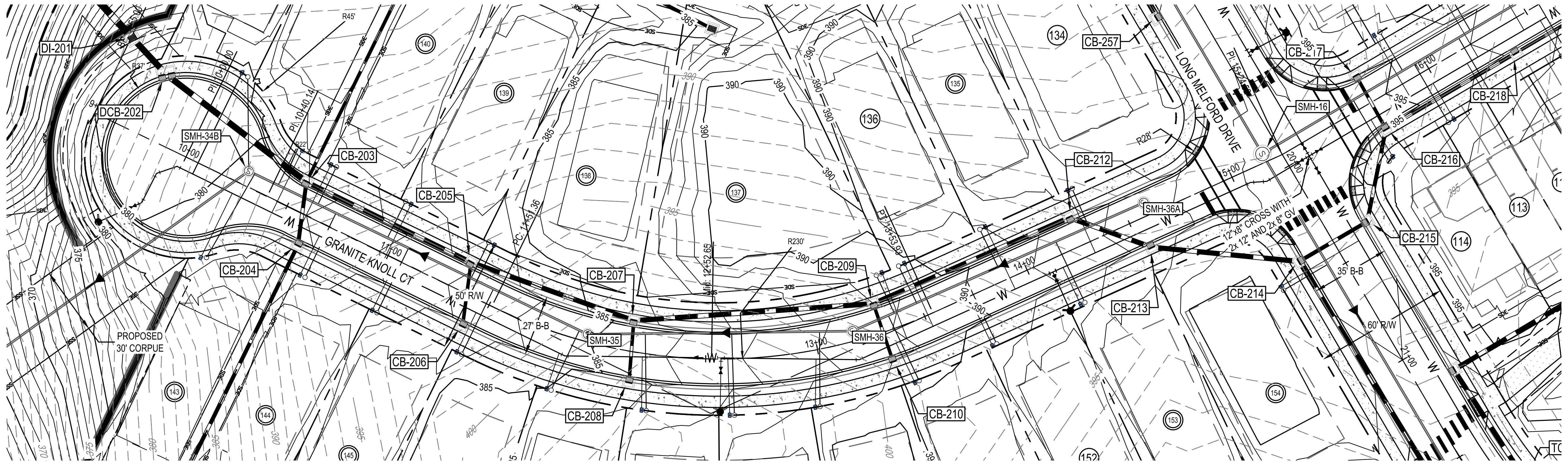
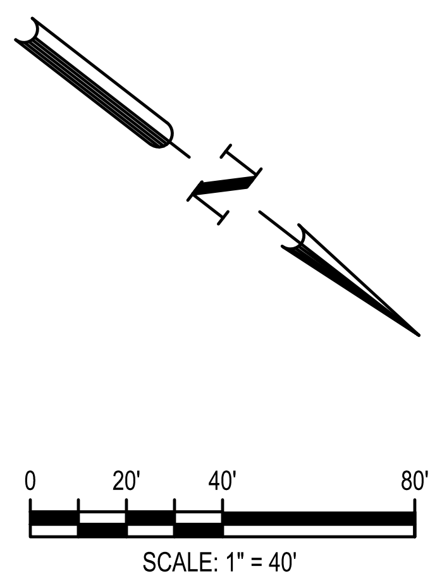
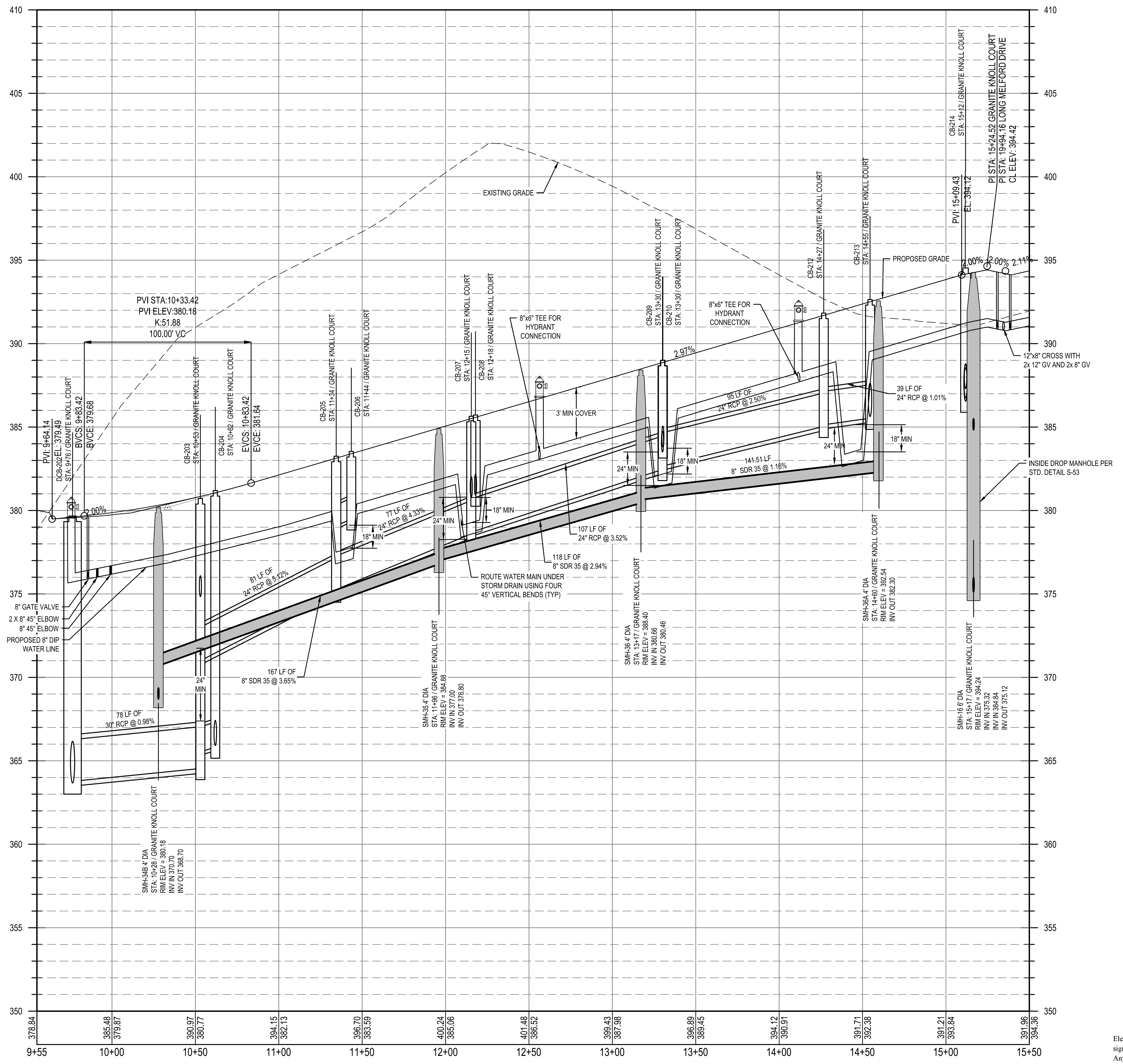




GRANITE KNOLL COURT
STA: 9+55.00 TO STA:15+50.00



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REVIEWED BY: DF

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GRANITE KNOLL CT PLAN AND PROFILE (1 OF 2)

Public
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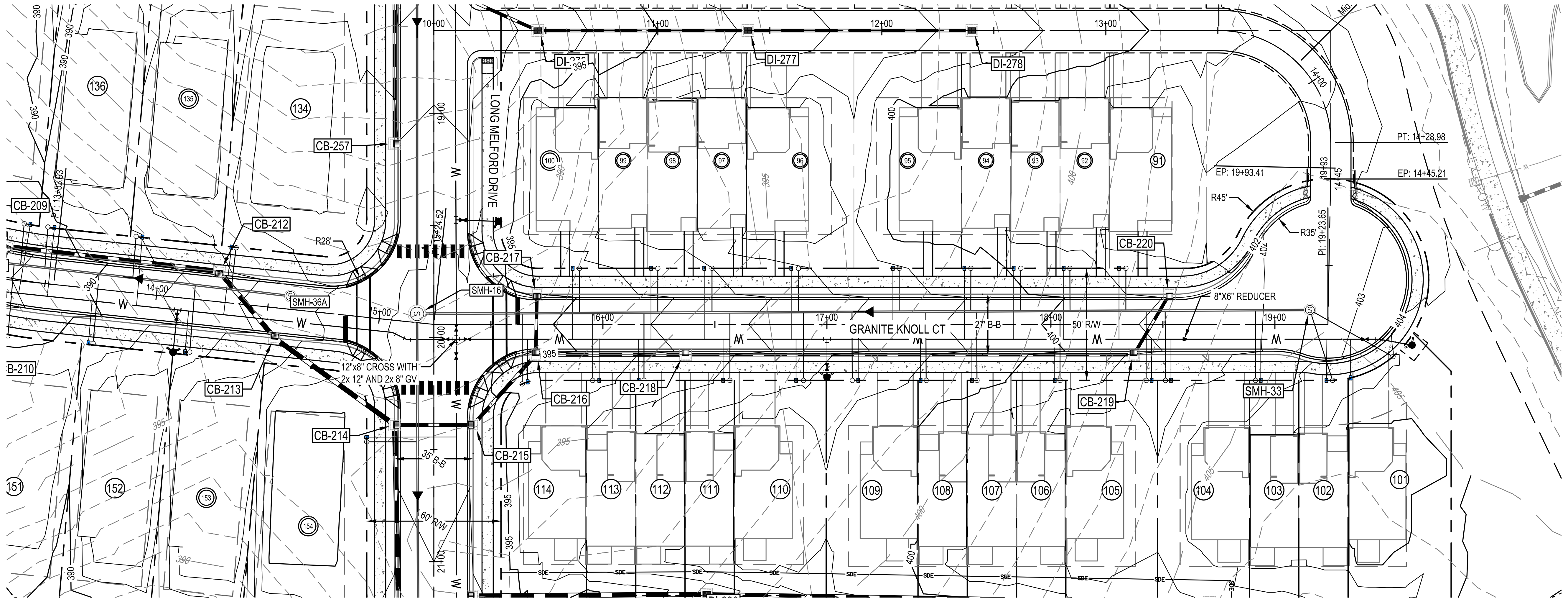
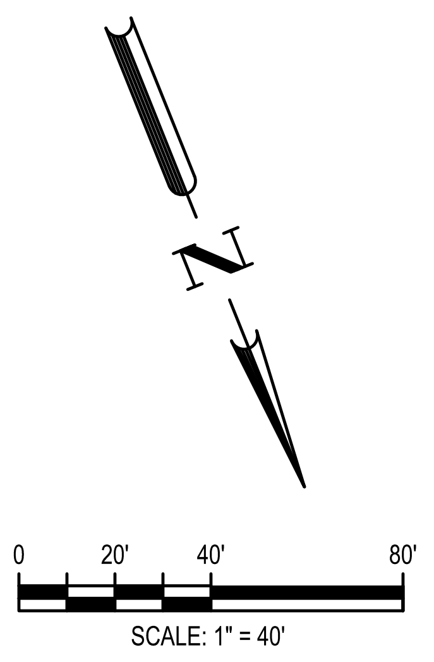
3/22/2024

DocuSigned by:
Debbi Ferm

FILE NUMBER:
8430-03

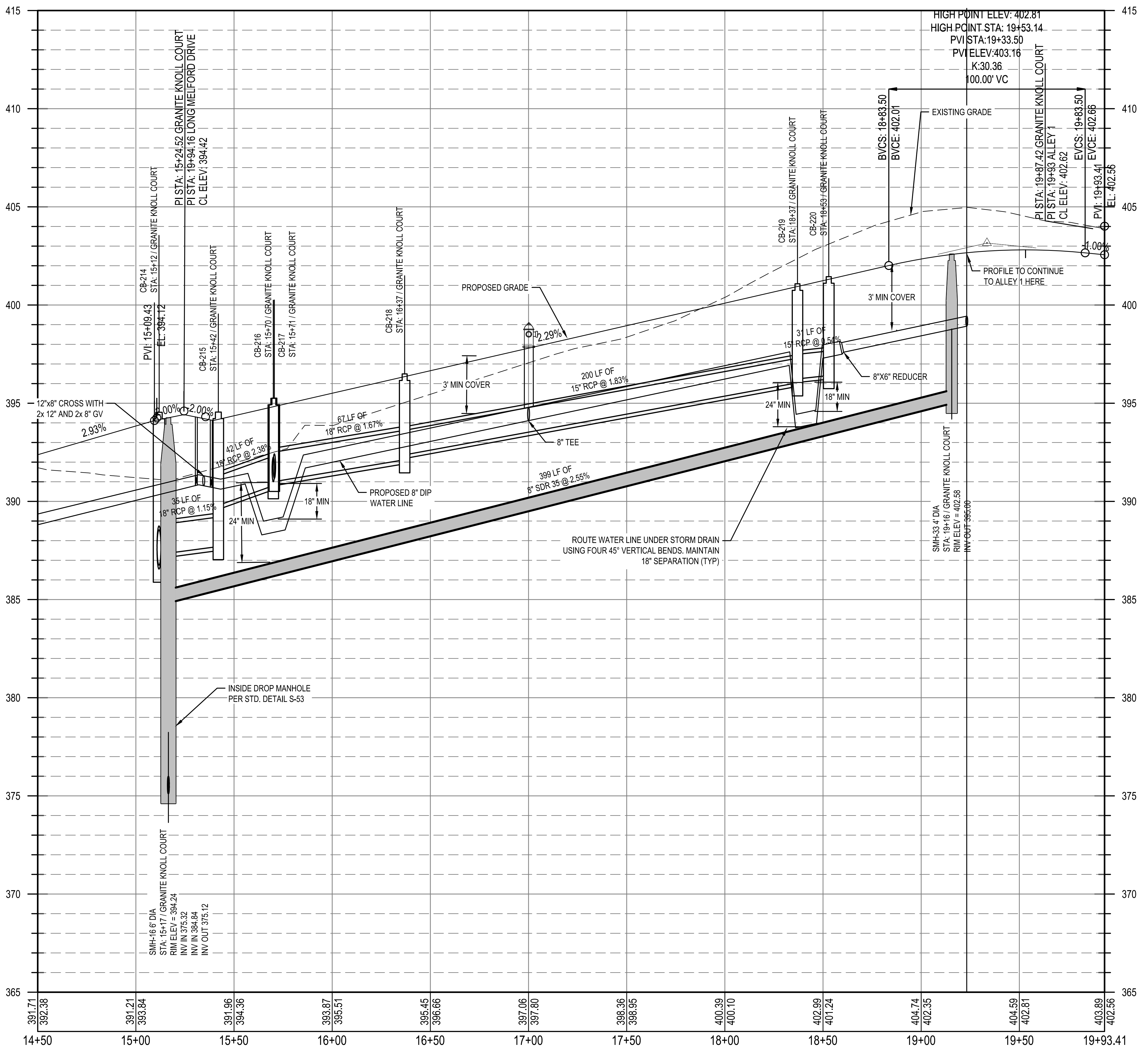
DATE: 03/04/2024





GRANITE KNOLL COURT

STA: 14+50.00 TO STA:19+93.41



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GRANITE KNOLL CT PLAN AND PROFILE (2 OF 2)

SEAL
028892
DEBRA M. FERM

DocuSigned by:
Debbi Ferm
FDC35974B30F48A...
3/13/2024

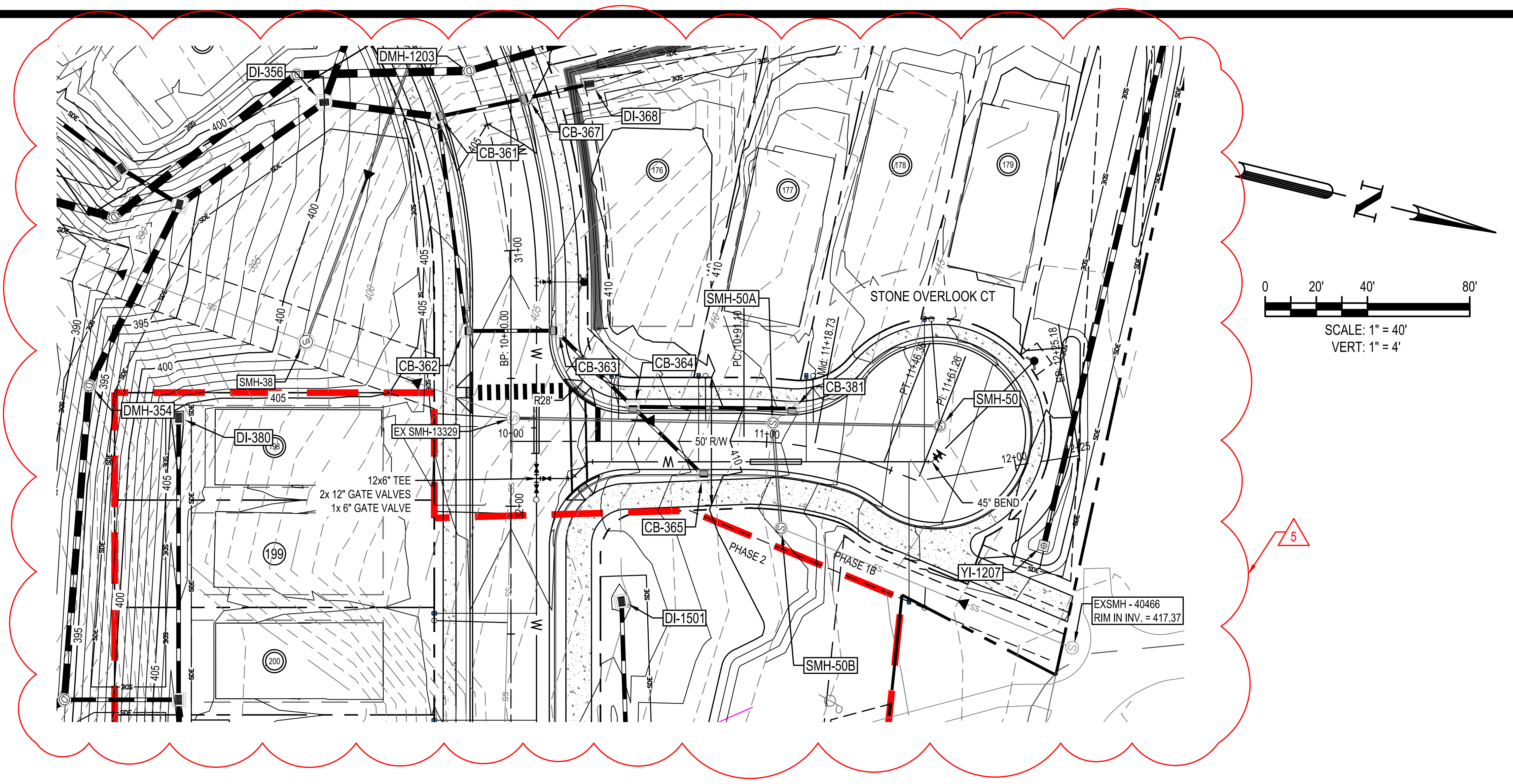
FILE NUMBER:
8430-03

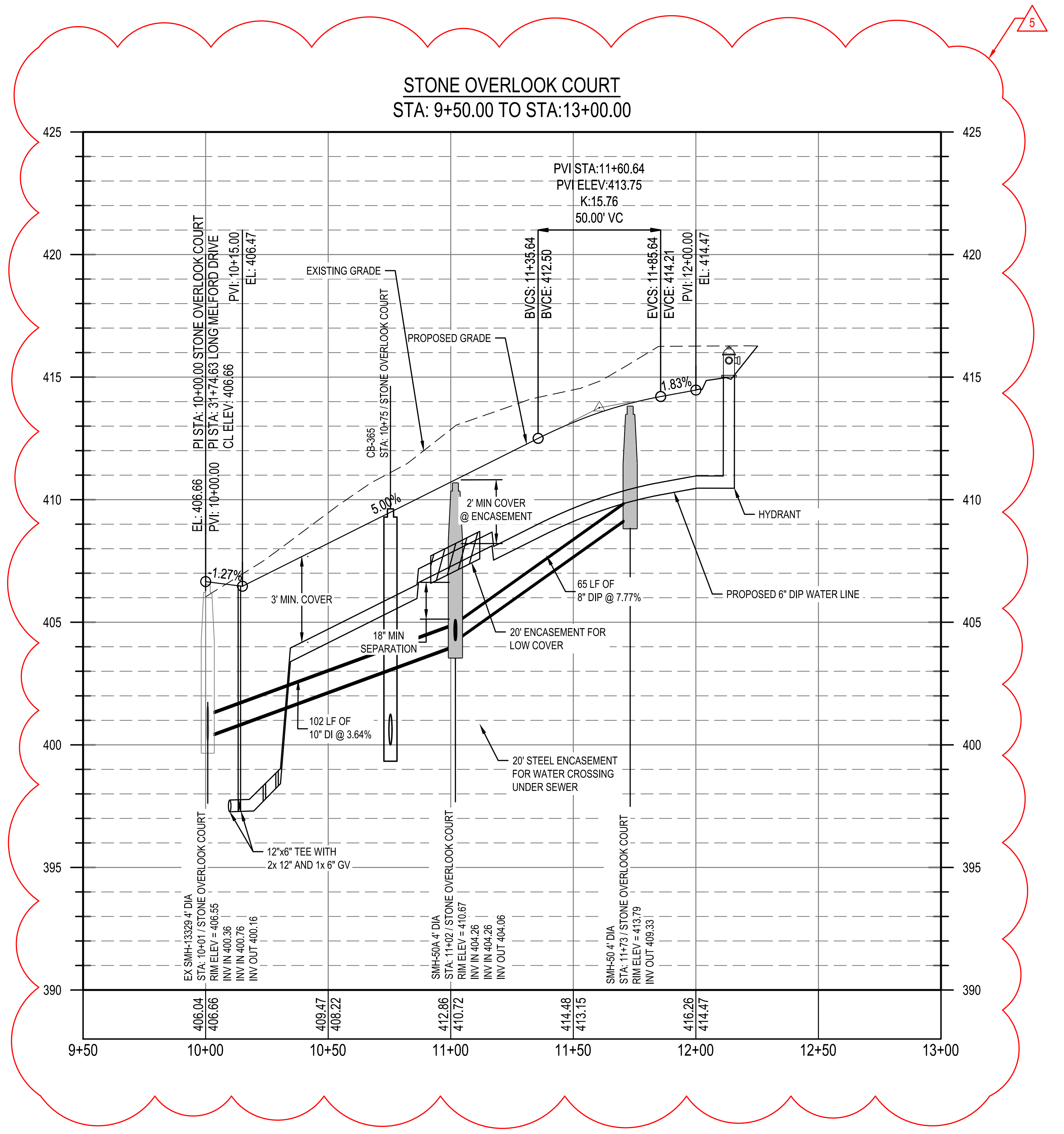
DATE: 03/04/2024

C6-3

Docusign Envelope ID: B8586B5C-EDBE-42F4-BEAC-4ABC96B64DCD

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C6-0 ROAD PLAN AND PROFILE.dwg Layout: C6-4 STREET D PLAN AND PROFILE Plotted: 3/24/2025 3:35:39 PM





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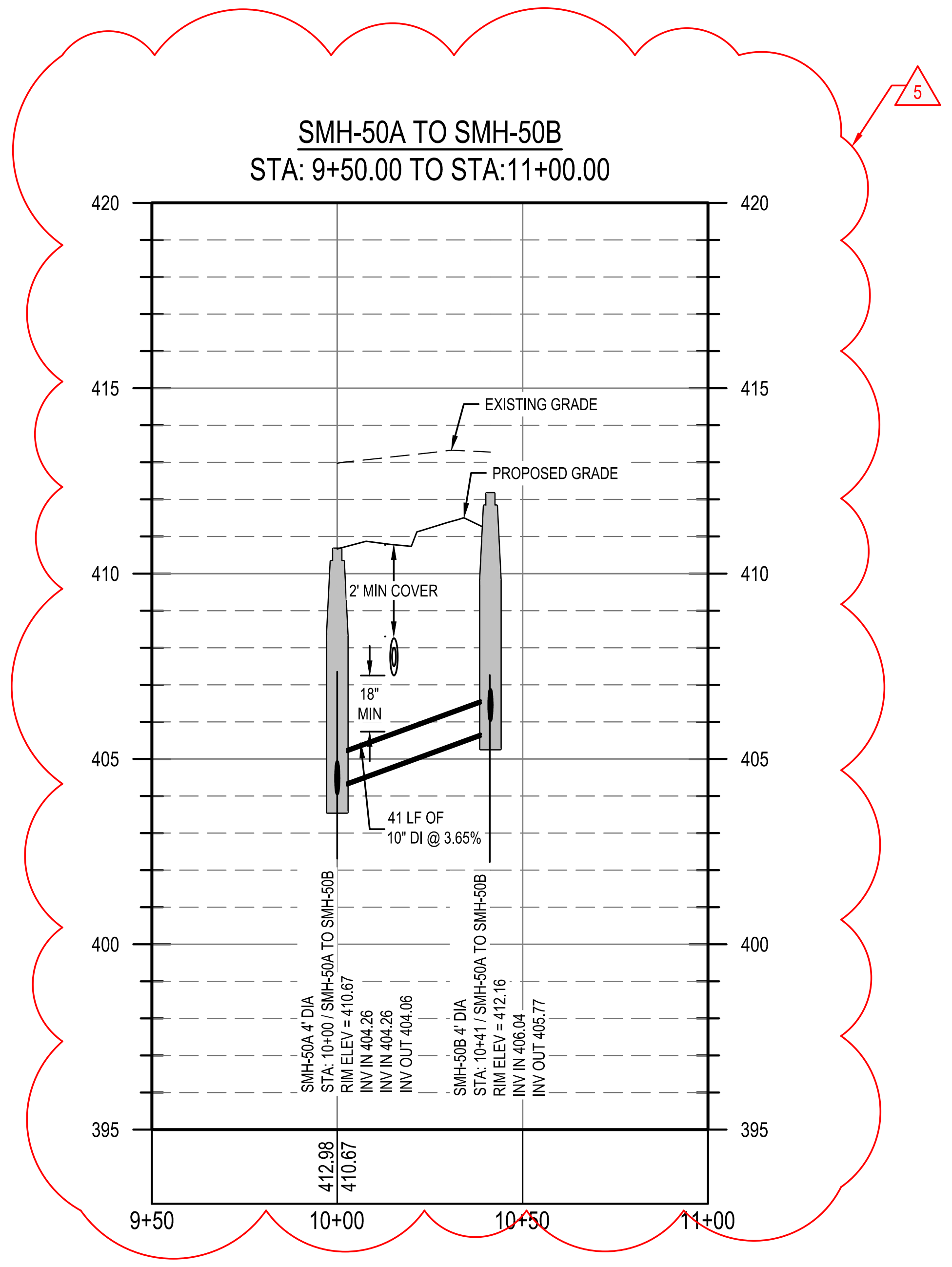

SMH-50A TO SMH-50B
STA: 9+50.00 TO STA:11+00.00

Public
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Authorization to Construct See digital signature

Public
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City of Raleigh Development Approval ______________________

Raleigh Water Review Officer ______________________

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REV	DATE	DESCRIPTION
5	03/24/2025	SUBPHASING, SEWER, & CURB TYPES
4	11/04/2024	AMENITY CENTER REVISIONS
3	06/06/2024	RETAINING WALL LOCATION REVISION
2	06/04/2024	STORM STRUCTURE REVISIONS
1	04/08/2024	EROSION CONTROL REVISION

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

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PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

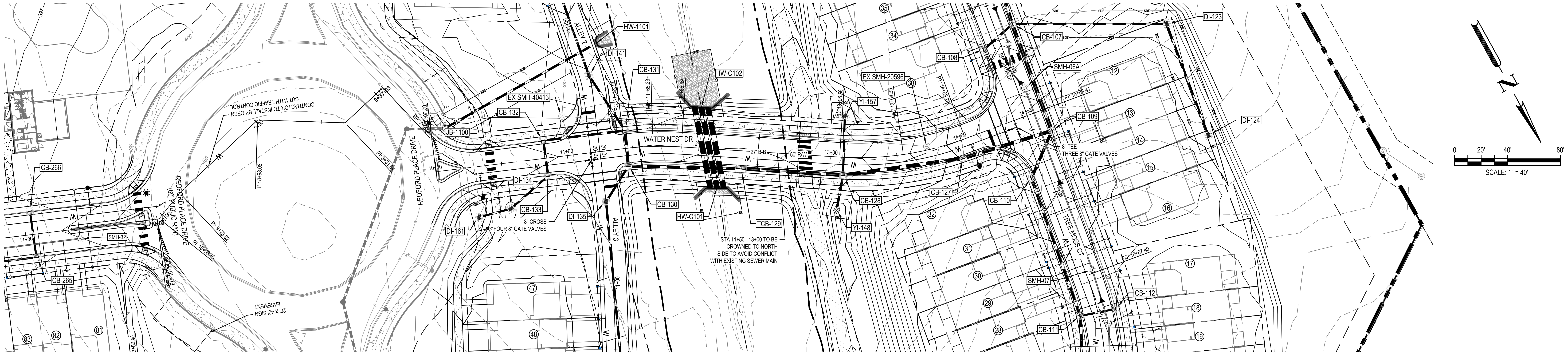
STONE OVERLOOK CT PLAN AND PROFILE

Signed by:
Debra Ferm
FDC35974B30F48A...
SEAL 028892
DEBRA M. FERM
3/25/2025

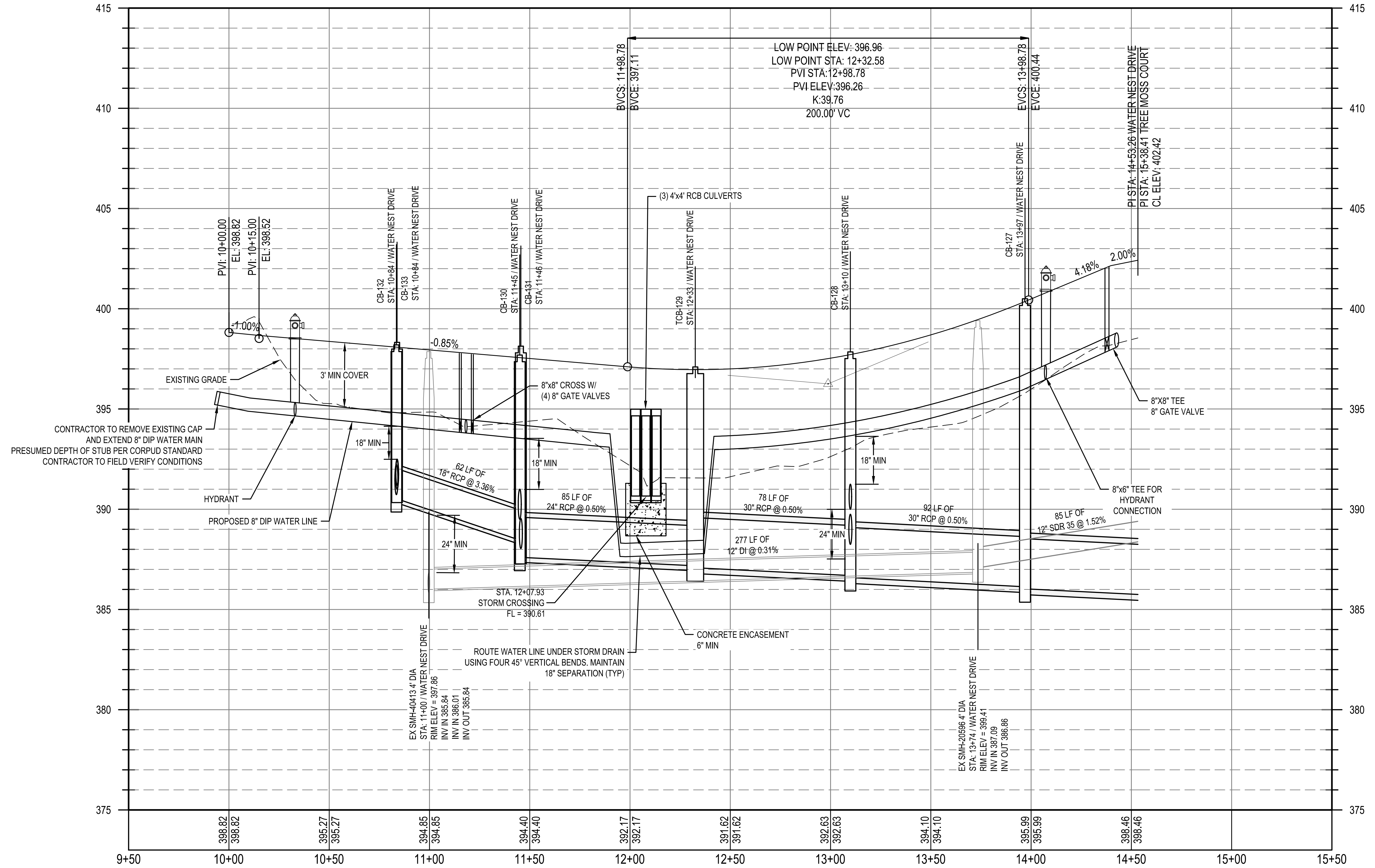
FILE NUMBER: 8430-03

DATE: 3/24/2025

C6-4



WATER NEST DRIVE
STA: 9+50.00 TO STA:15+50.00


415
410
405
400
395
390
385
380
375
9+50
10+00
10+50
11+00
11+50
12+00
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13+00
13+50
14+00
14+50
15+00
15+50
398.82
395.27
394.85
394.40
392.17
391.62
392.63
394.10
395.99
398.46
PVI: 10+00.00 EL: 398.82
PVI: 10+15.00 EL: 398.52
-1.00%
-0.85%
4.18%
2.00%
CB-132 STA: 10+84 / WATER NEST DRIVE
CB-133 STA: 10+84 / WATER NEST DRIVE
CB-130 STA: 11+45 / WATER NEST DRIVE
CB-131 STA: 11+46 / WATER NEST DRIVE
TCB-129 STA: 12+33 / WATER NEST DRIVE
CB-128 STA: 13+10 / WATER NEST DRIVE
CB-127 STA: 13+97 / WATER NEST DRIVE
BVCS: 11+98.78
BVCE: 397.11
LOW POINT ELEV: 396.96
LOW POINT STA: 12+32.58
PVI STA:12+98.78
PVI ELEV:396.26
K:39.76
200.00' VC
EVCS: 13+98.78
EVCE: 400.44
PI STA: 14+53.26 WATER NEST DRIVE
PI STA: 15+38.41 TREE MOSS COURT
CL ELEV: 402.42
(3) 4'x4' RCB CULVERTS
EXISTING GRADE
3' MIN COVER
8"x8" CROSS W/ (4) 8" GATE VALVES
CONTRACTOR TO REMOVE EXISTING CAP AND EXTEND 8" DIP WATER MAIN PRESUMED DEPTH OF STUB PER CORPUD STANDARD CONTRACTOR TO FIELD VERIFY CONDITIONS
18" MIN
HYDRANT
PROPOSED 8" DIP WATER LINE
62 LF OF 18" RCP @ 3.36%
85 LF OF 24" RCP @ 0.50%
24" MIN
78 LF OF 30" RCP @ 0.50%
277 LF OF 12" DI @ 0.31%
92 LF OF 30" RCP @ 0.50%
85 LF OF 12" SDR 35 @ 1.52%
8"X8" TEE 8" GATE VALVE
8"x6" TEE FOR HYDRANT CONNECTION
STA. 12+07.93 STORM CROSSING FL = 390.61
CONCRETE ENCASEMENT 6" MIN
ROUTE WATER LINE UNDER STORM DRAIN USING FOUR 45° VERTICAL BENDS. MAINTAIN 18" SEPARATION (TYP)
EX SMH-40413 4' DIA STA: 11+00 / WATER NEST DRIVE RIM ELEV = 397.86 INV IN 385.84 INV IN 386.01 INV OUT 385.84
EX SMH-20596 4' DIA STA: 13+74 / WATER NEST DRIVE RIM ELEV = 399.41 INV IN 387.09 INV OUT 386.86

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

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City of Raleigh
Public Utilities Department Permit # S-5439

Authorization to Construct See digital signature

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval

Raleigh Water Review Officer Timothy Beasley

Digitally signed by Timothy Beasley
DN: C=US, E=Timothy.Beasley@raleighnc.gov, O=City of Raleigh, OU=Raleigh Water, CN=Timothy Beasley
Reason: I am approving this document.
Date: 2024.03.22 08:19:08-04'00'

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5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
4	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
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2	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REV	06/01/2023	INITIAL SUBMITTAL

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

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82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

WATER NEST DR PLAN AND PROFILE

NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 028892
DEBRA M. FERM
3/3/2024

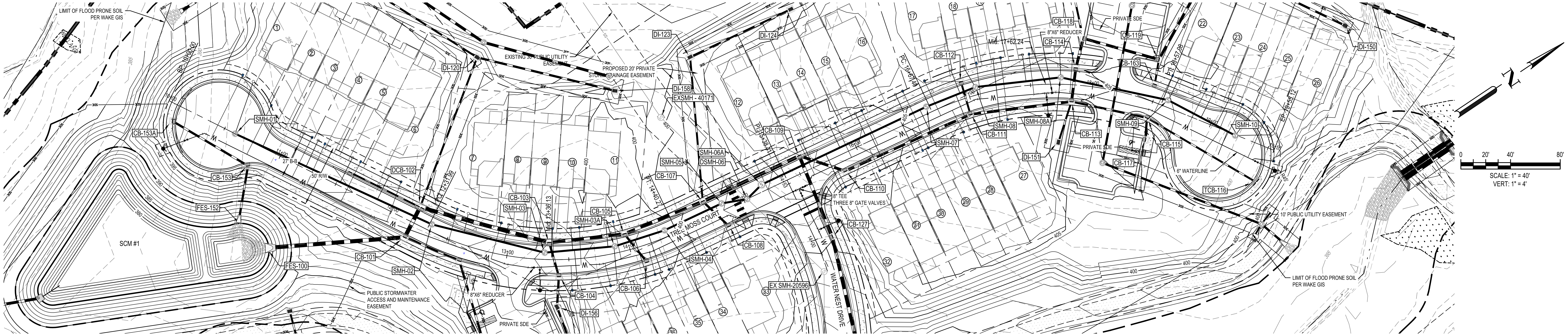
DocuSigned by:
Debbi Ferm

FILE NUMBER:
8430-03

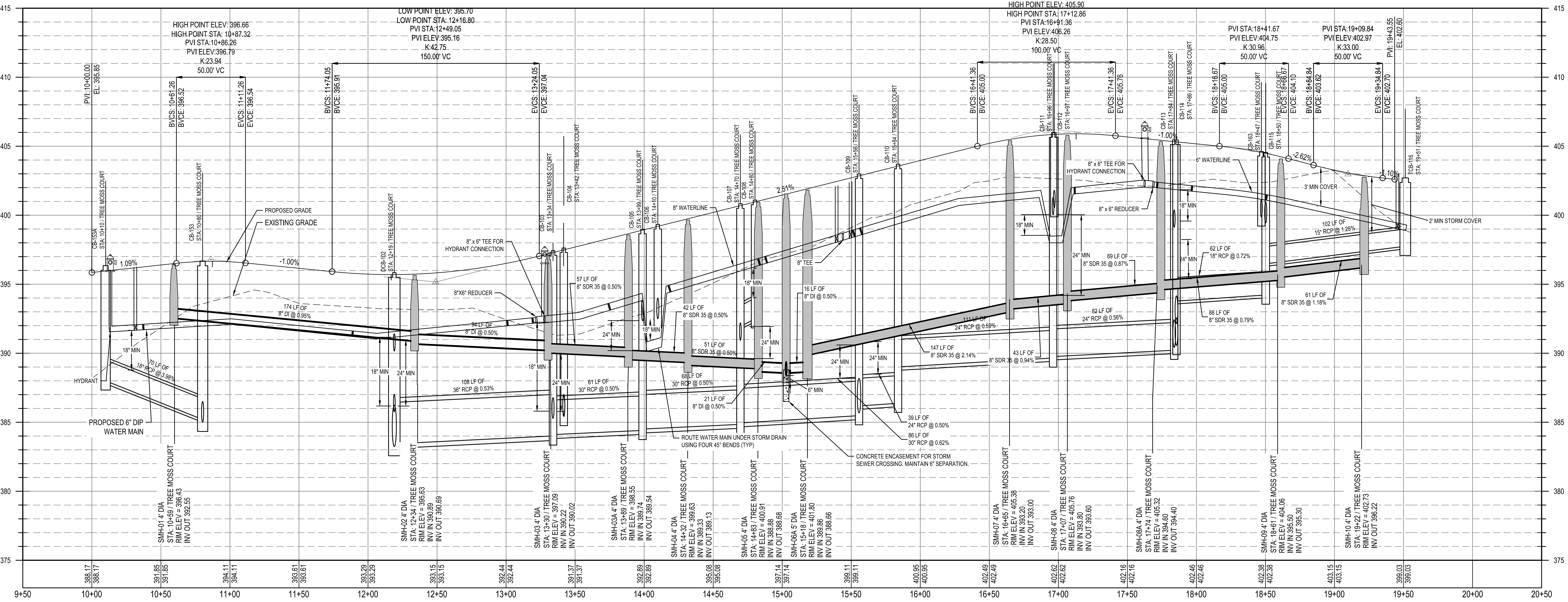
DATE: 03/04/2024

C6-5

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C6-7 ROAD PLAN AND PROFILE.dwg Layout: C6-6 STREET F PLAN AND PROFILE Plotted: 3/5/2024 1:27:46 PM



TREE MOSS COURT
STA: 9+50.00 TO STA:20+50.00


HIGH POINT ELEV: 396.66
HIGH POINT STA: 10+87.32
PVI STA:10+86.26
PVI ELEV:396.79
K:23.94
50.00' VC
LOW POINT ELEV: 395.70
LOW POINT STA: 12+16.80
PVI STA:12+49.05
PVI ELEV:395.16
K:42.75
150.00' VC
HIGH POINT ELEV: 405.90
HIGH POINT STA: 17+12.86
PVI STA:16+91.36
PVI ELEV:406.26
K:28.50
100.00' VC
PVI STA:18+41.67
PVI ELEV:404.75
K:30.96
50.00' VC
PVI STA:19+09.84
PVI ELEV:402.97
K:33.00
50.00' VC
PVI: 10+00.00 EL: 395.85
BVCS: 10+61.26 BVCE: 396.52
EVCS: 11+11.26 EVCE: 396.54
BVCS: 11+74.05 BVCE: 395.91
EVCS: 13+24.05 EVCE: 397.04
BVCS: 16+41.36 BVCE: 405.00
EVCS: 17+41.36 EVCE: 405.76
BVCS: 18+16.67 BVCE: 405.00
EVCS: 18+66.67 EVCE: 404.10
BVCS: 18+84.84 BVCE: 403.62
EVCS: 19+34.84 EVCE: 402.70
PVI: 19+43.55 EL: 402.60
1.09%
-1.00%
2.51%
-1.00%
-2.62%
PROPOSED GRADE
EXISTING GRADE
8" WATERLINE
6" WATERLINE
8" x 6" TEE FOR HYDRANT CONNECTION
8"X6" REDUCER
8" TEE
HYDRANT
PROPOSED 6" DIP WATER MAIN
174 LF OF 8" DI @ 0.65%
70 LF OF 18" RCP @ 3.98%
94 LF OF 8" DI @ 0.50%
108 LF OF 36" RCP @ 0.53%
57 LF OF 8" SDR 35 @ 0.50%
61 LF OF 30" RCP @ 0.50%
42 LF OF 8" SDR 35 @ 0.50%
68 LF OF 30" RCP @ 0.50%
51 LF OF 8" SDR 35 @ 0.50%
21 LF OF 8" DI @ 0.50%
16 LF OF 8" DI @ 0.50%
39 LF OF 24" RCP @ 0.50%
86 LF OF 30" RCP @ 0.62%
147 LF OF 8" SDR 35 @ 2.14%
43 LF OF 8" SDR 35 @ 0.94%
82 LF OF 24" RCP @ 0.56%
69 LF OF 8" SDR 35 @ 0.87%
62 LF OF 18" RCP @ 0.72%
88 LF OF 8" SDR 35 @ 0.79%
61 LF OF 8" SDR 35 @ 1.18%
102 LF OF 15" RCP @ 1.26%
18" MIN
24" MIN
6" MIN
3' MIN COVER
2' MIN STORM COVER
ROUTE WATER MAIN UNDER STORM DRAIN USING FOUR 45° BENDS (TYP)
CONCRETE ENCASEMENT FOR STORM SEWER CROSSING. MAINTAIN 6" SEPARATION.
SMH-01 4' DIA STA: 10+59 / TREE MOSS COURT RIM ELEV = 396.43 INV OUT 392.55
SMH-02 4' DIA STA: 12+34 / TREE MOSS COURT RIM ELEV = 395.63 INV IN 390.89 INV OUT 390.69
SMH-03 4' DIA STA: 13+30 / TREE MOSS COURT RIM ELEV = 397.09 INV IN 390.22 INV OUT 390.02
SMH-03A 4' DIA STA: 13+89 / TREE MOSS COURT RIM ELEV = 398.55 INV IN 389.74 INV OUT 389.54
SMH-04 4' DIA STA: 14+32 / TREE MOSS COURT RIM ELEV = 399.63 INV IN 389.33 INV OUT 389.13
SMH-05 4' DIA STA: 14+83 / TREE MOSS COURT RIM ELEV = 400.91 INV IN 388.88 INV OUT 388.68
SMH-06A 5' DIA STA: 15+18 / TREE MOSS COURT RIM ELEV = 401.80 INV IN 389.86 INV OUT 388.66
SMH-07 4' DIA STA: 16+65 / TREE MOSS COURT RIM ELEV = 405.38 INV IN 393.20 INV OUT 393.00
SMH-08 4' DIA STA: 17+07 / TREE MOSS COURT RIM ELEV = 405.76 INV IN 393.80 INV OUT 393.60
SMH-08A 4' DIA STA: 17+74 / TREE MOSS COURT RIM ELEV = 405.32 INV IN 394.60 INV OUT 394.40
SMH-09 4' DIA STA: 18+61 / TREE MOSS COURT RIM ELEV = 404.06 INV IN 395.50 INV OUT 395.30
SMH-10 4' DIA STA: 19+22 / TREE MOSS COURT RIM ELEV = 402.73 INV OUT 396.22
CB-111 STA: 16+96 / TREE MOSS COURT
CB-112 STA: 16+97 / TREE MOSS COURT
CB-113 STA: 17+84 / TREE MOSS COURT
CB-114 STA: 17+86 / TREE MOSS COURT
CB-163 STA: 18+47 / TREE MOSS COURT
CB-115 STA: 18+50 / TREE MOSS COURT
415
410
405
400
395
390
385
380
375
388.17
391.85
394.11
393.61
393.29
393.15
392.44
391.37
392.89
395.08
397.14
399.11
400.95
402.49
402.62
402.16
402.46
402.38
403.15
399.03
9+50
10+00
10+50
11+00
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20+00
20+50

Public
Water Distribution / Extension System
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City of Raleigh
Public Utilities Department Permit # W-4107
Authorization to Construct See digital signature

Public
Sewer Collection / Extension System
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Reason: I am approving this document.
Date: 2024.03.22 08:19:09-04'00'

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REV	DATE	DESCRIPTION
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4	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
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REV	06/01/2023	INITIAL SUBMITTAL

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

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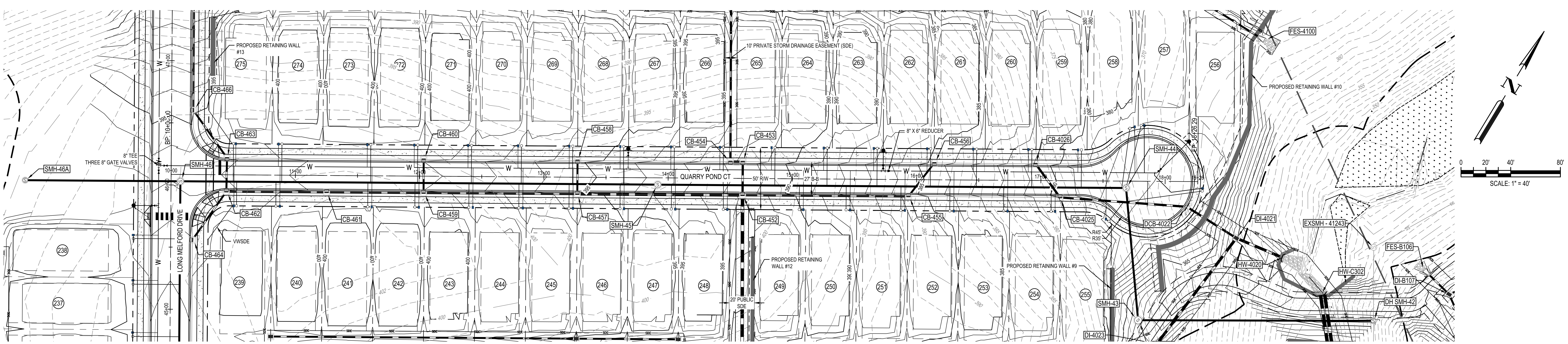
TREE MOSS CT PLAN AND PROFILE

SEAL 028892
DEBRA M. FERM
DocuSigned by:
Debbi Ferm
3/13/2024

FILE NUMBER:
8430-03

DATE: 03/04/2024

C6-6



QUARRY POND COURT
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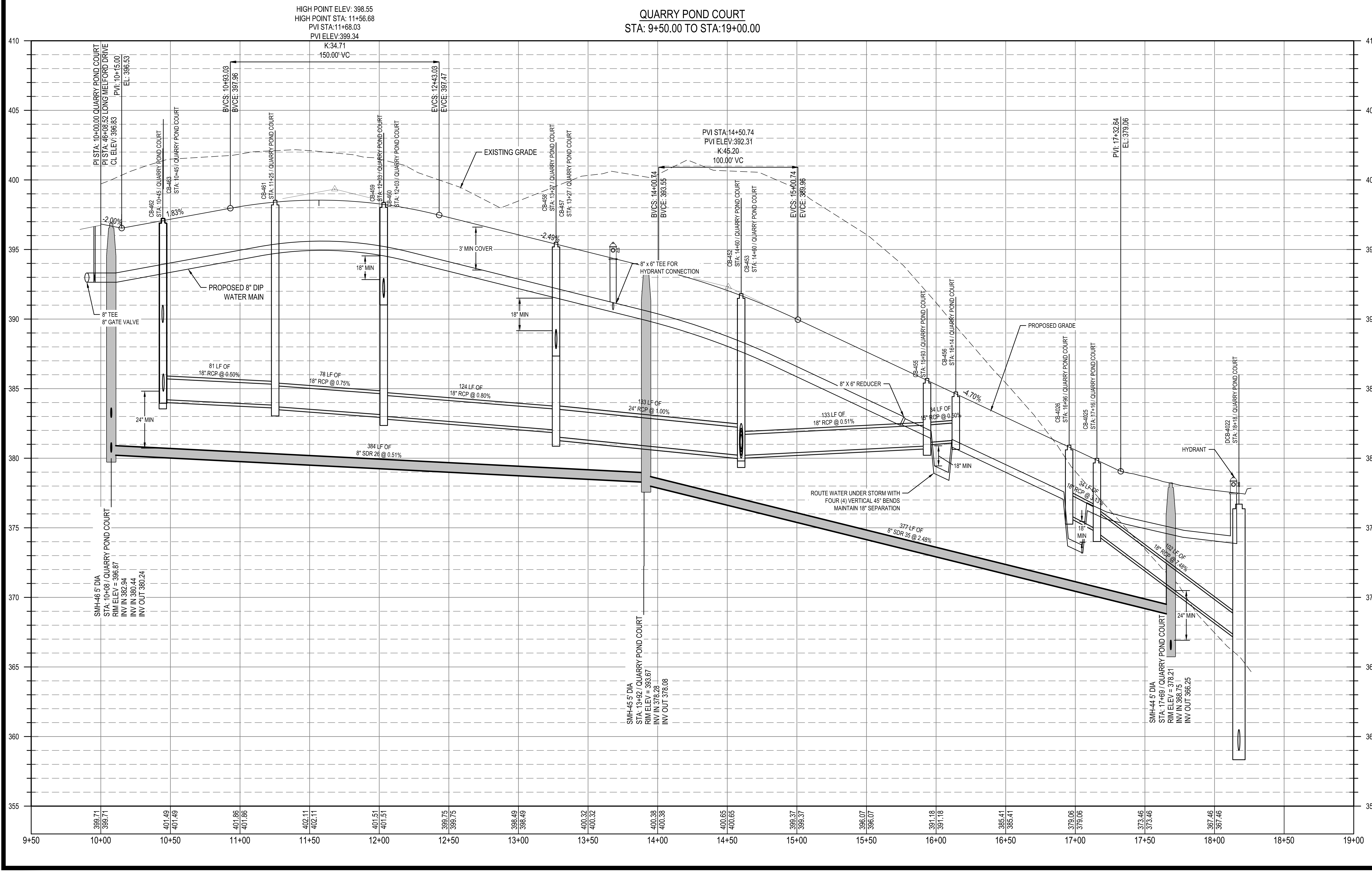
HIGH POINT ELEV: 398.55
HIGH POINT STA: 11+56.68
PVI STA:11+68.03
PVI ELEV:399.34
K:34.71
150.00' VC
PVI STA:14+50.74
PVI ELEV:392.31
K:45.20
100.00' VC
EXISTING GRADE
PROPOSED GRADE
PROPOSED 8" DIP WATER MAIN
8" TEE
8" GATE VALVE
3' MIN COVER
18" MIN
24" MIN
8" x 6" TEE FOR HYDRANT CONNECTION
8" X 6" REDUCER
ROUTE WATER UNDER STORM WITH FOUR (4) VERTICAL 45° BENDS MAINTAIN 18" SEPARATION
HYDRANT
384 LF OF 8" SDR 26 @ 0.51%
377 LF OF 8" SDR 35 @ 2.48%
SMH-46 5' DIA STA: 10+08 / QUARRY POND COURT RIM ELEV = 396.87 INV IN 382.94 INV IN 380.44 INV OUT 380.24
SMH-45 5' DIA STA: 13+92 / QUARRY POND COURT RIM ELEV = 393.87 INV IN 378.28 INV OUT 378.08
SMH-44 5' DIA STA: 17+69 / QUARRY POND COURT RIM ELEV = 378.21 INV IN 368.75 INV OUT 366.25
9+50
10+00
10+50
11+00
11+50
12+00
12+50
13+00
13+50
14+00
14+50
15+00
15+50
16+00
16+50
17+00
17+50
18+00
18+50
19+00

Public
Water Distribution / Extension System

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City of Raleigh
Public Utilities Department Permit # W-4107

Authorization to Construct See digital signature

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City of Raleigh
Public Utilities Department Permit # S-5439

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City of Raleigh Development Approval

Raleigh Water Review Officer Timothy Beasley

Digitally signed by Timothy Beasley
DN: C=US, E=Timothy.Beasley@raleighnc.gov, O=City of Raleigh, OU=Raleigh Water, CN=Timothy Beasley
Reason: I am approving this document.
Date: 2024.03.22 08:19:10-04'00'

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REV		
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
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	06/01/2023	INITIAL SUBMITTAL

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

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ROLESVILLE / NORTH CAROLINA / 27571

QUARRY POND CT PLAN AND PROFILE

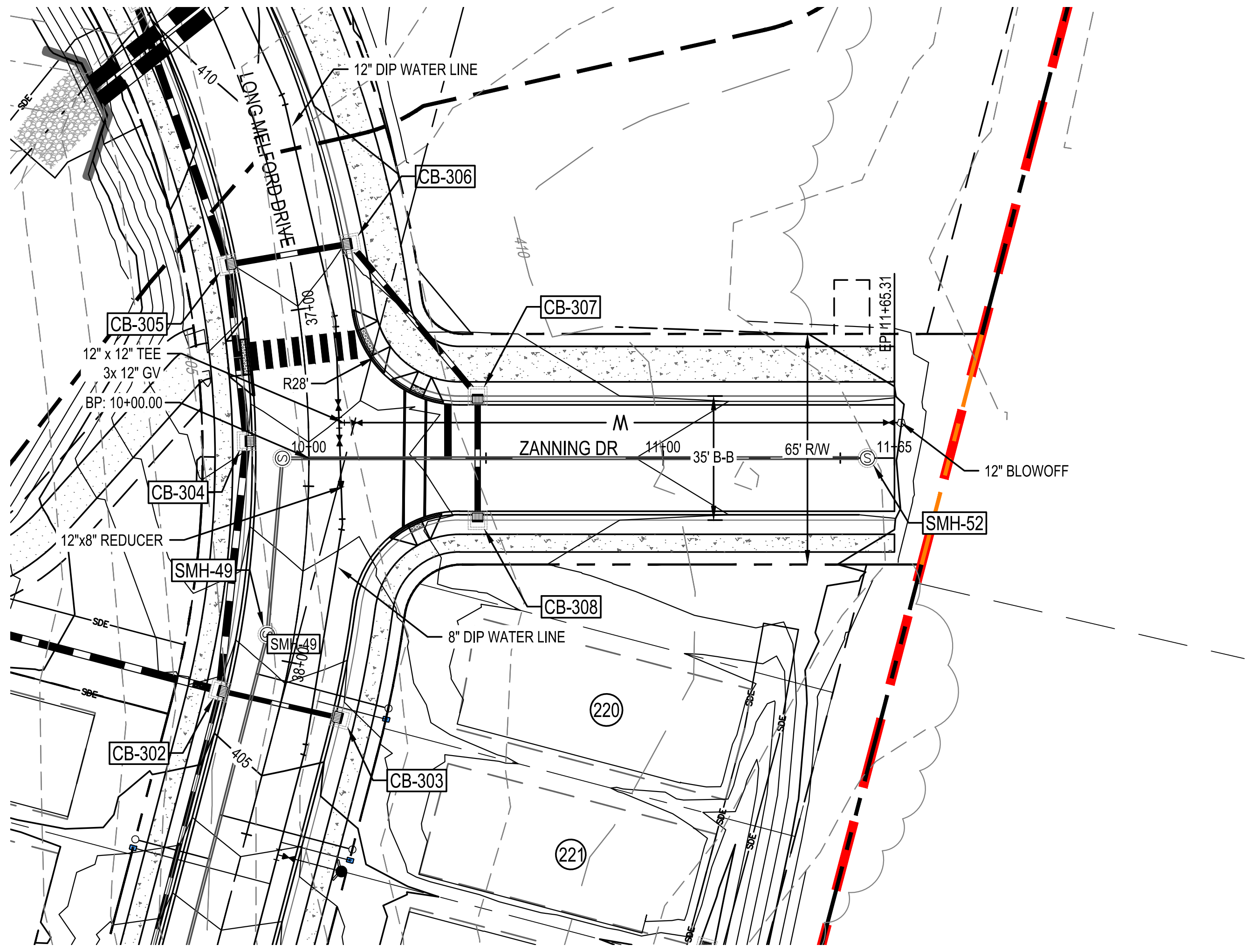
SEAL 028892
DEBRA M. FERM
DocuSigned by:
Debbi Ferm
3/13/2024

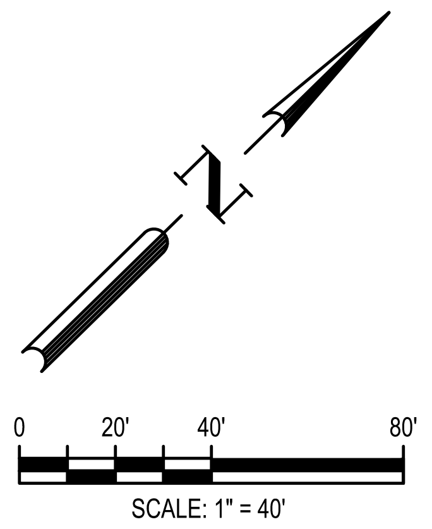
FILE NUMBER: 8430-03

DATE: 03/04/2024

C6-7

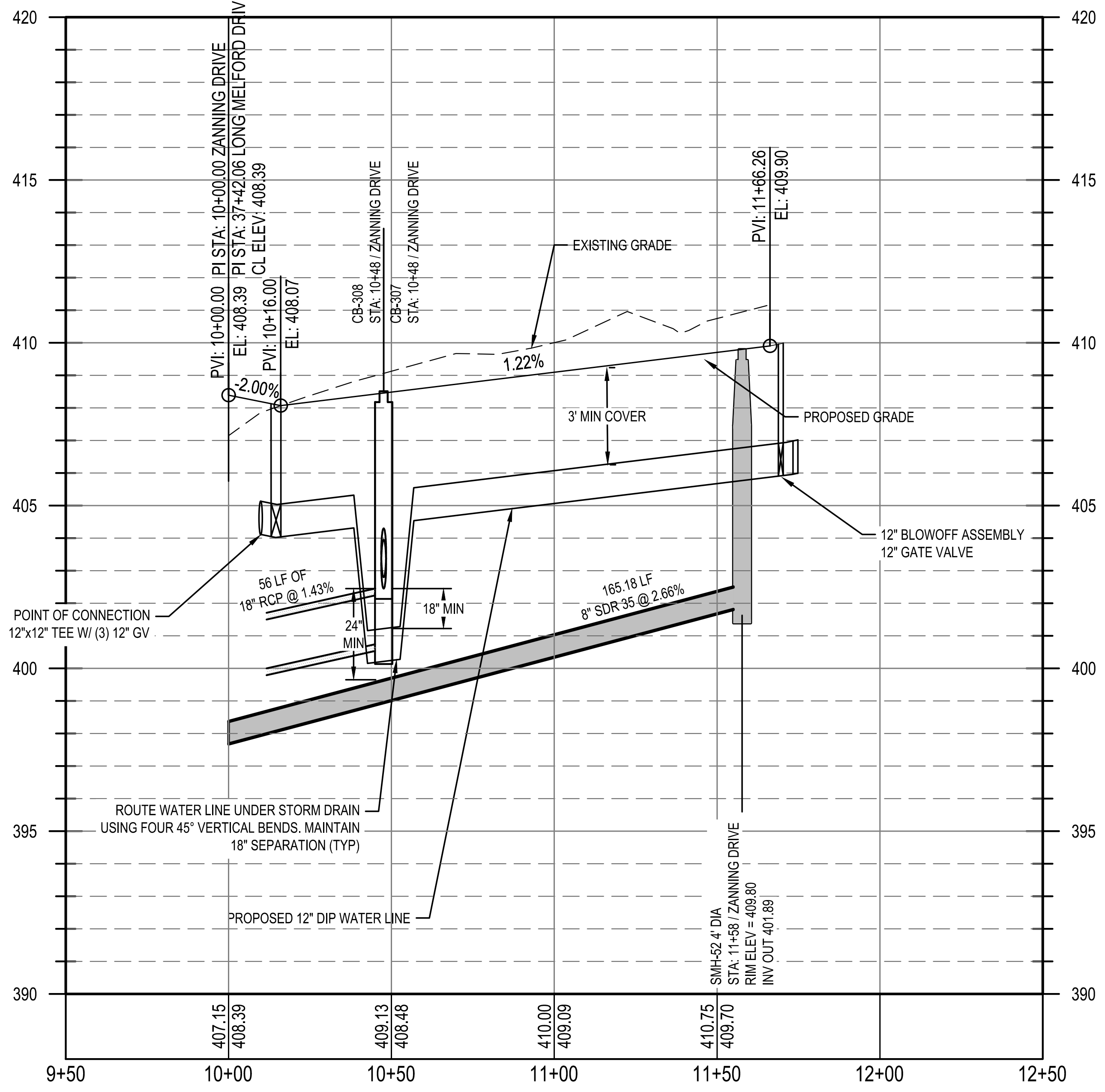
G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C6-7 ROAD PLAN AND PROFILE.dwg Layout: C6-7 STREET G PLAN AND PROFILE Plotted: 3/4/2024 1:33:09 PM





ZANNING DRIVE

STA: 9+50.00 TO STA:12+50.00



Public
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Raleigh Water Review Officer Timothy Beasley

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DESIGNED BY: DF/CD
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ZANNING DR PLAN AND PROFILE

SEAL 028892
DEBRA M. FERM
3/13/2024
DocuSigned by:
Debbi Ferm

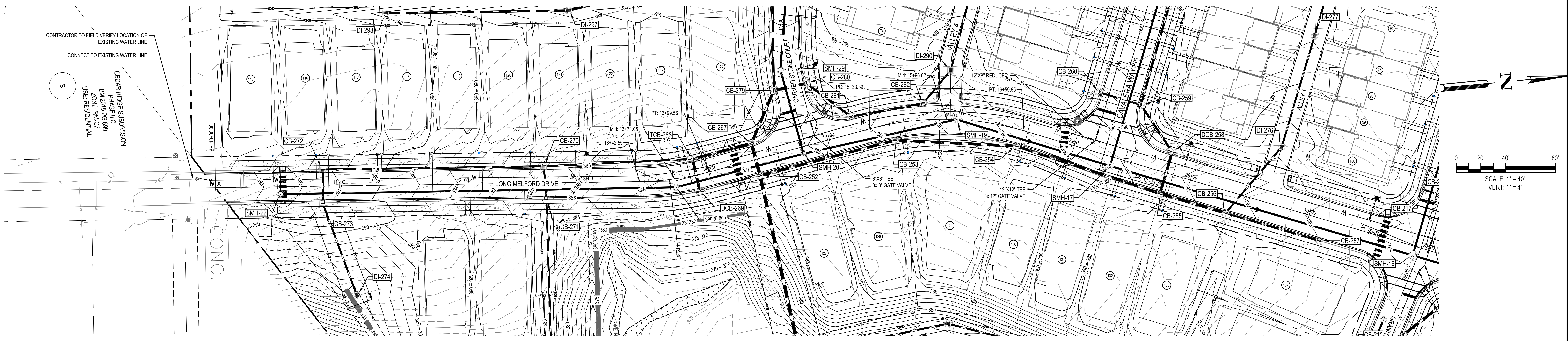
FILE NUMBER: 8430-03

DATE: 03/04/2024

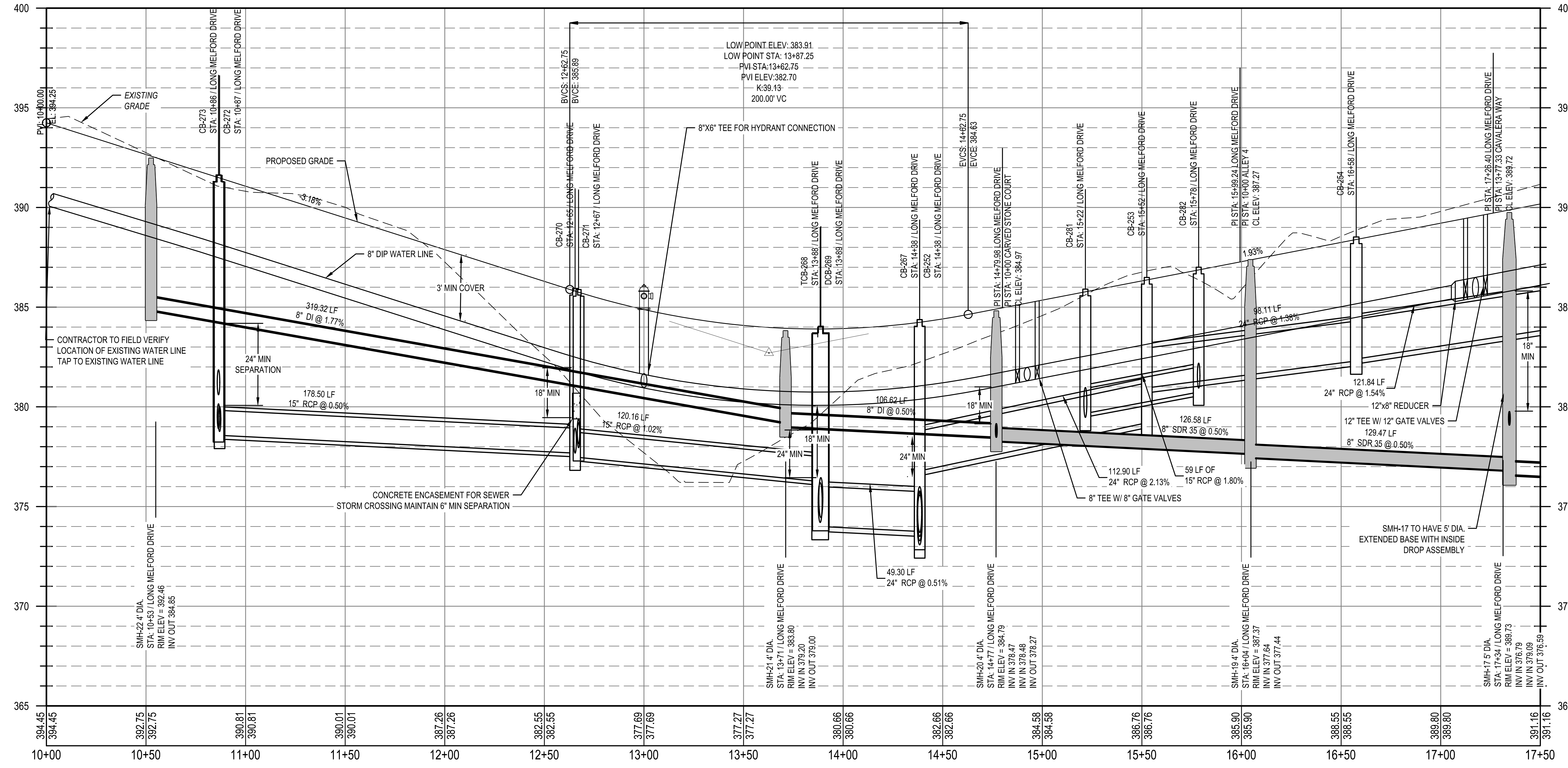
C6-8

DocuSign Envelope ID: 759046E5-A3DF-4329-9A9B-9F8411B97A21

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C6-9 LONG MELFORD DRIVE PLAN AND PROFILE (1 OF 5).dwg   Layout: C6-9 LONG MELFORD DRIVE PLAN AND PROFILE (1 OF 5)   Plotted: 3/4/2024 1:34:26 PM



LONG MELFORD DRIVE
STA: 10+00.00 TO STA:17+50.00



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

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City of Raleigh
Public Utilities Department Permit # S-5439

Authorization to Construct See digital signature

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval

Raleigh Water Review Officer Timothy Beasley

Digitally signed by Timothy Beasley
DN: C=US, E=Timothy.Beasley@raleighnc.gov, O=City of Raleigh, OU=Raleigh Water, CN=Timothy Beasley
Reason: I am approving this document.
Date: 2024.03.22 08:19:13-04'00'

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REV	DATE	DESCRIPTION
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
4	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
3	11/21/2023	PER TOWN OF ROLESVILLE COMMENT
2	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REV	06/01/2023	INITIAL SUBMITTAL

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

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LONG MELFORD DRIVE PLAN AND PROFILE (1 OF 5)

SEAL
028892
DEBRA M. FERM
3/13/2024

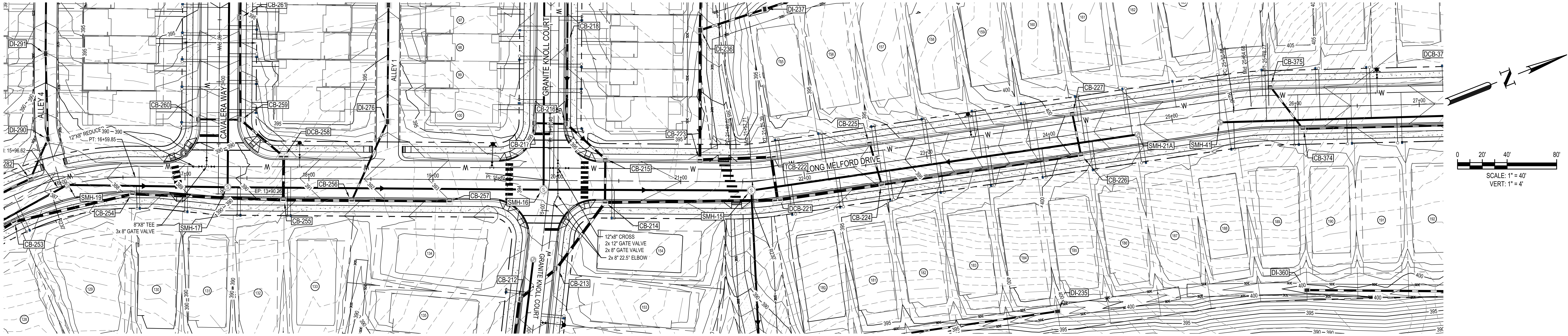
DocuSigned by:
Debbi Ferm

FILE NUMBER:
8430-03

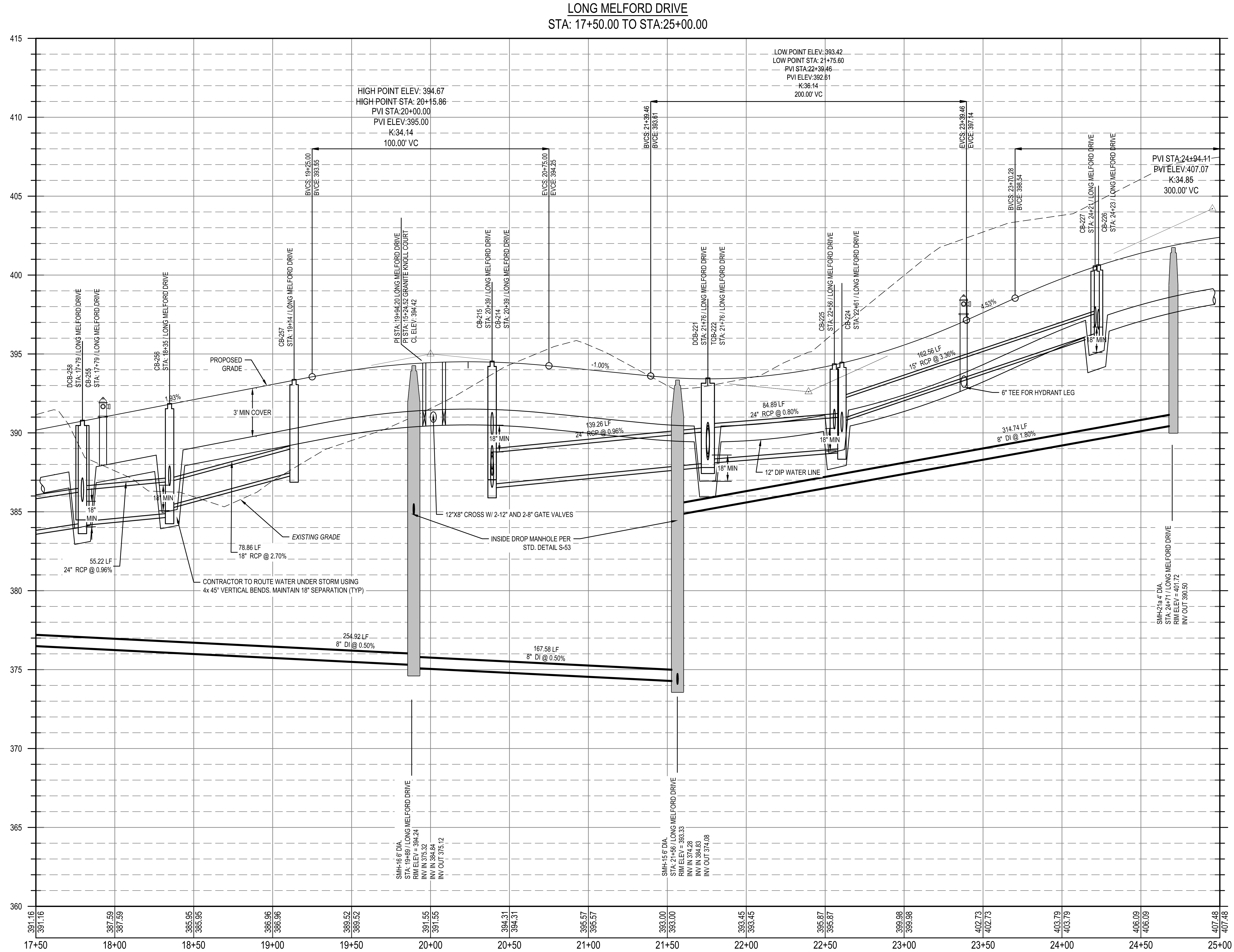
DATE: 03/04/2024

C6-9

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C6-9 LONG MELFORD DRIVE PLAN AND PROFILE.dwg Layout: C6-10 LONG MELFORD DRIVE PLAN AND PROFILE (2 OF 5) Plotted: 3/4/2024 1:34:40 PM



LONG MELFORD DRIVE
STA: 17+50.00 TO STA:25+00.00



Public
Water Distribution / Extension System

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City of Raleigh
Public Utilities Department Permit # W-4107

Authorization to Construct See digital signature

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Public Utilities Department Permit # S-5439

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1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
	06/01/2023	INITIAL SUBMITTAL

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

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LONG MELFORD DRIVE PLAN AND PROFILE (2 OF 5)

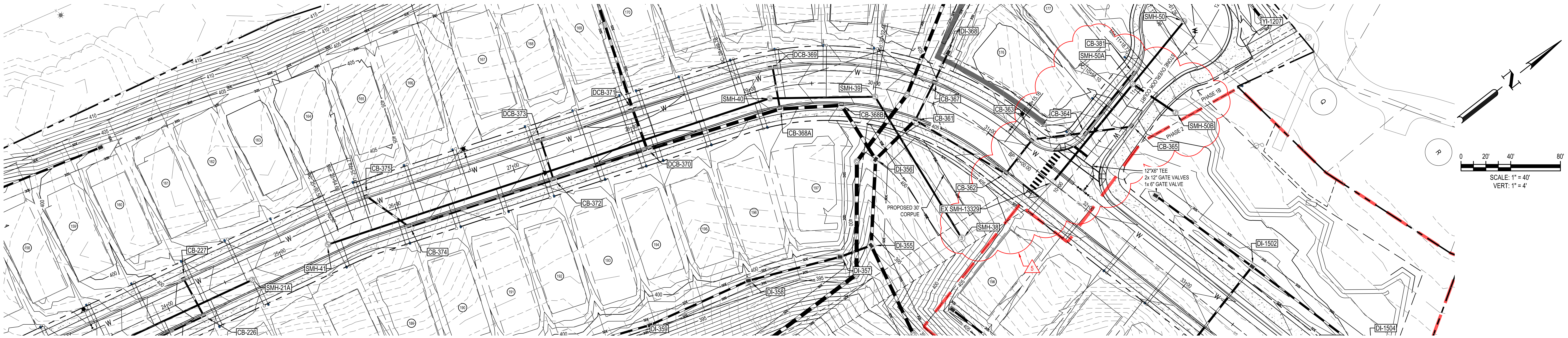
SEAL 028892
DEBRA M. FERM
3/13/2024
DocuSigned by:
Debbi Ferm
FDC35974B30F48A...

FILE NUMBER:
8430-03

DATE: 03/04/2024

C6-10

Docusign Envelope ID: B8586B5C-EDBE-42F4-BEAC-4ABC96B64DCD



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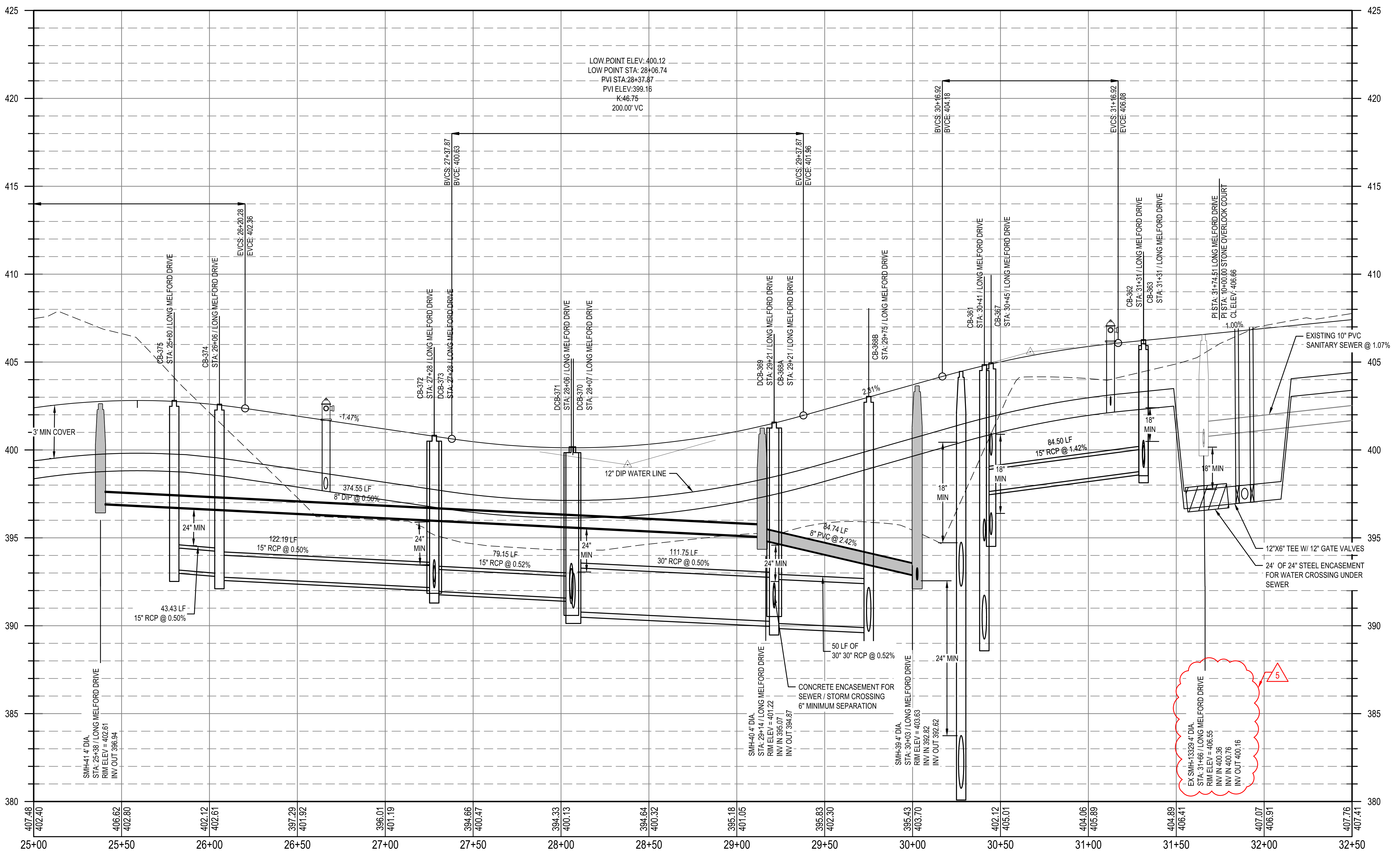

Public
Water Distribution / Extension System

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City of Raleigh
Public Utilities Department Permit # W-4107

Authorization to Construct See digital signature

Public
Sewer Collection / Extension System

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City of Raleigh
Public Utilities Department Permit # S-5439

Authorization to Construct See digital signature

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City of Raleigh Development Approval ______________________

Raleigh Water Review Officer ______________________

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3	06/06/2024	RETAINING WALL LOCATION REVISION
2	06/04/2024	STORM STRUCTURE REVISIONS
1	04/08/2024	EROSION CONTROL REVISION

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

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82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

LONG MELFORD DRIVE PLAN AND PROFILE (3 OF 5)

Signed by:
Debra Ferm
FDC35974B30F4BA...
DEBRA M. FERM
028892
3/25/2025

FILE NUMBER:
8430-03
DATE: 3/24/2025

C6-11

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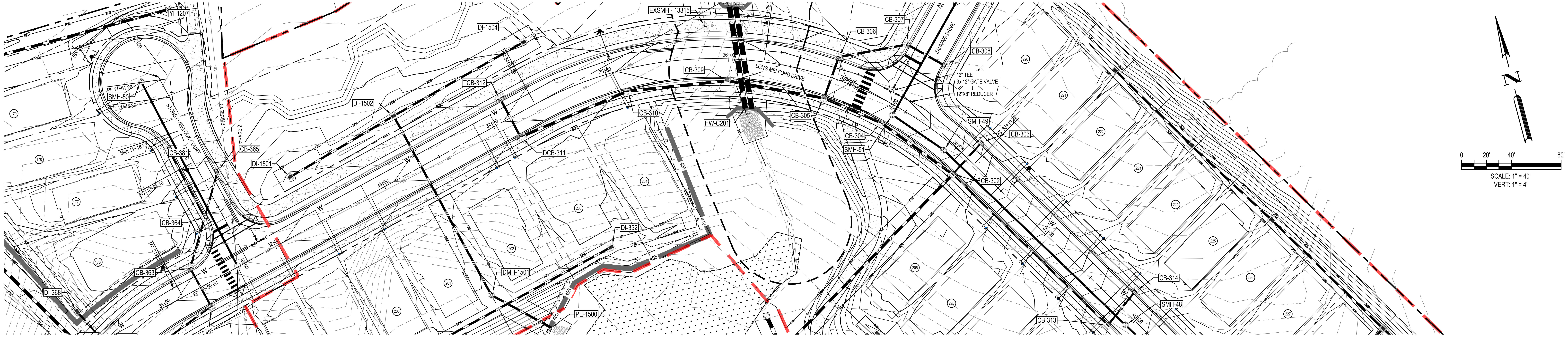
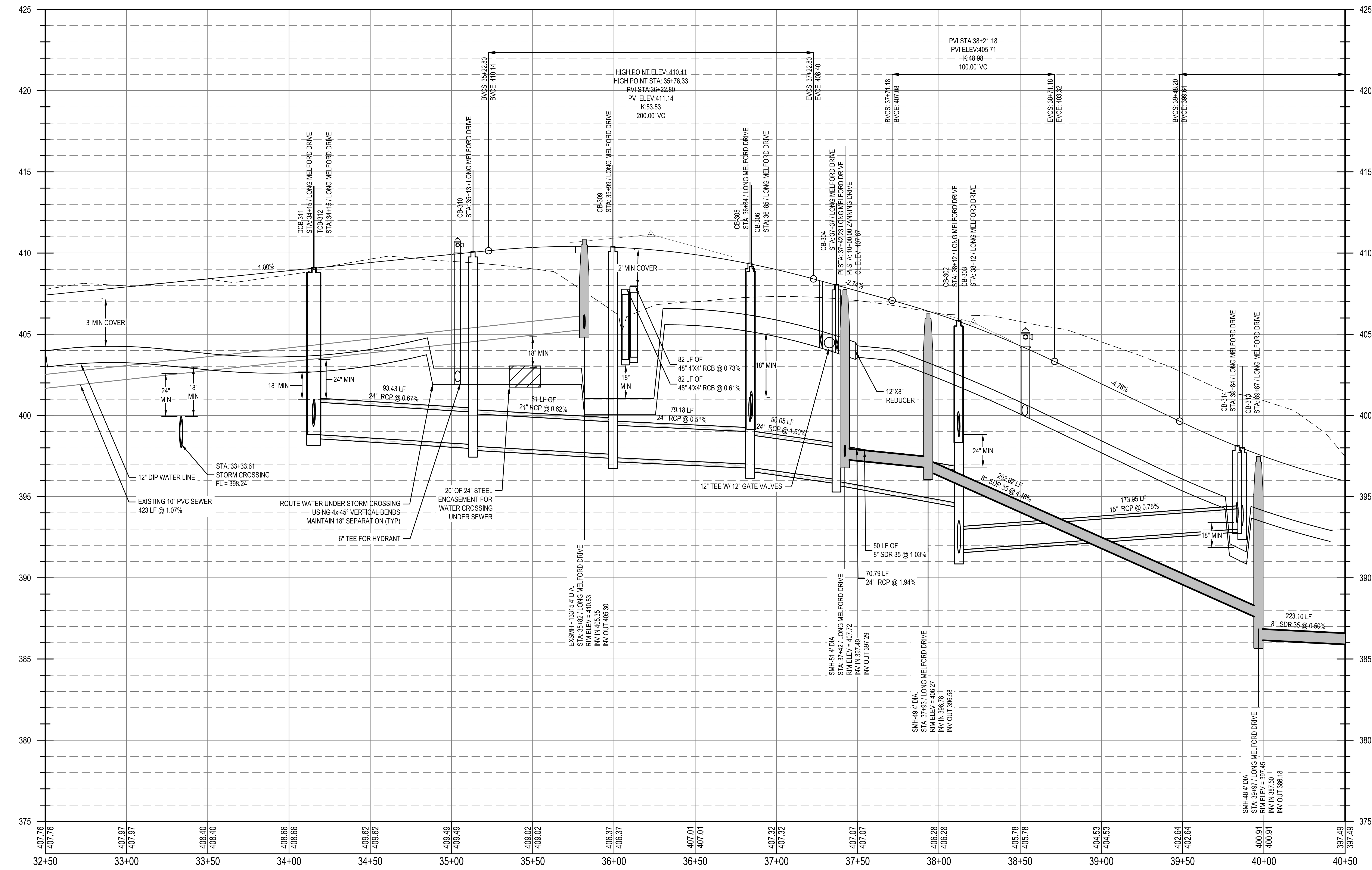


LONG MELFORD DRIVE
STA: 32+50.00 TO STA:40+50.00



REV	DATE	DESCRIPTION
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	06/01/2023	INITIAL SUBMITTAL

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

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LONG MELFORD DRIVE PLAN AND PROFILE (4 OF 5)

Public
Water Distribution / Extension System

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City of Raleigh
Public Utilities Department Permit # W-4107

Authorization to Construct See digital signature

Public
Sewer Collection / Extension System

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City of Raleigh
Public Utilities Department Permit # S-5439

Authorization to Construct See digital signature

CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION

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City of Raleigh Development Approval

Raleigh Water Review Officer Timothy Beasley

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Reason: I am approving this document.
Date: 2024.03.22 08:19:16-04'00'

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DEBRA M. FERM
3/13/2024

DocuSigned by:
Debbi Ferm
FDC35974B30F48A...

FILE NUMBER:
8430-03

DATE: 03/04/2024

C6-12

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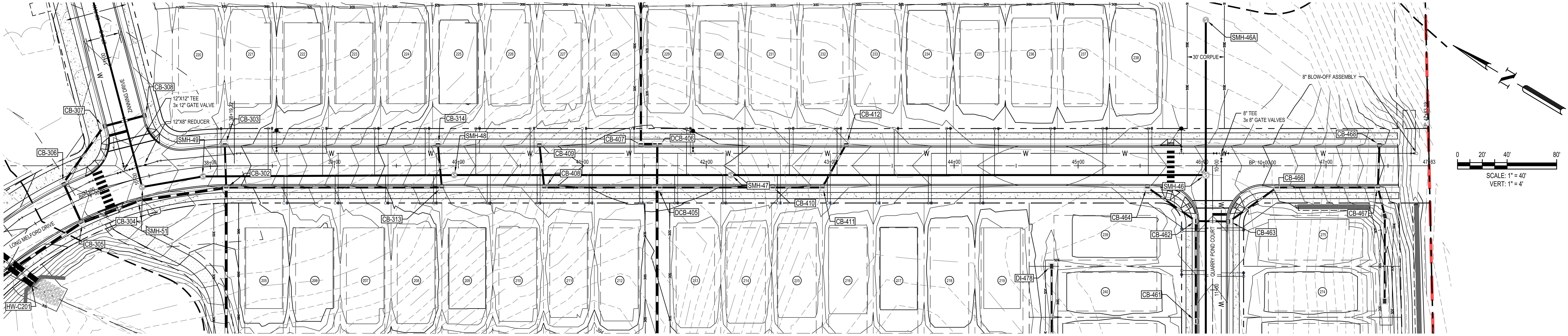
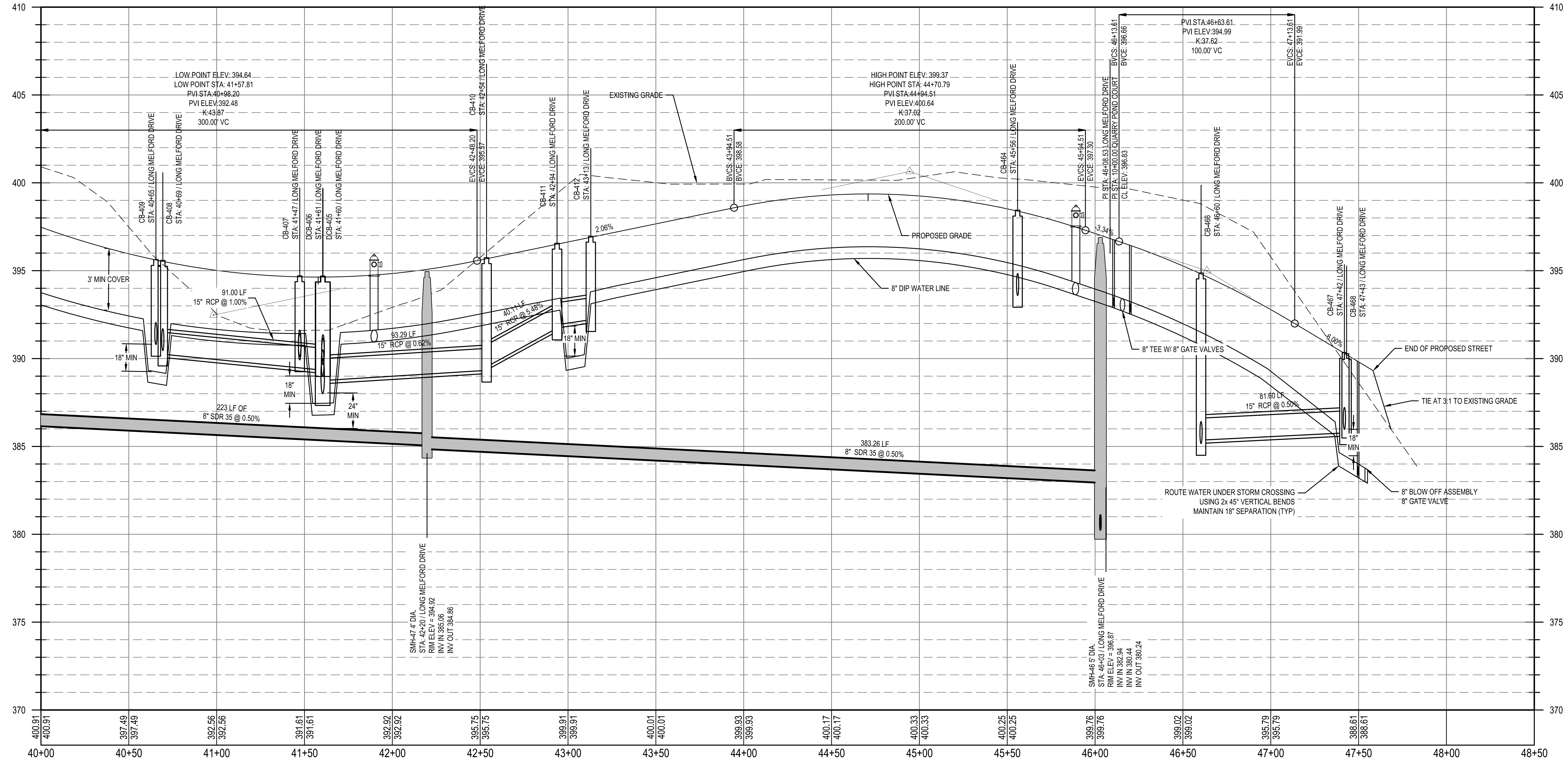


LONG MELFORD DRIVE
STA: 40+00.00 TO STA:48+50.00



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REV		
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
4	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
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	06/01/2023	INITIAL SUBMITTAL

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

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LONG MELFORD DRIVE PLAN AND PROFILE (5 OF 5)

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Water Distribution / Extension System
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City of Raleigh
Public Utilities Department Permit # W-4107
Authorization to Construct See digital signature

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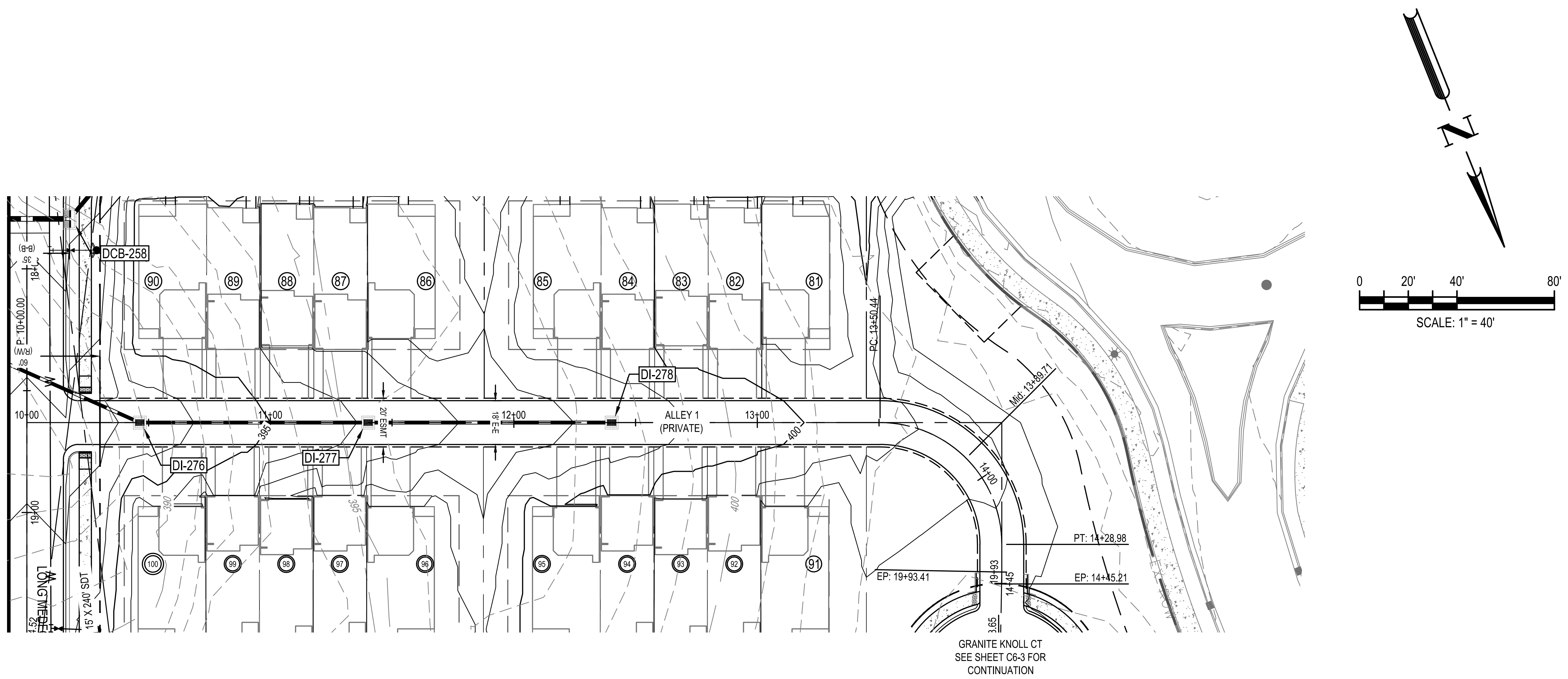
DocuSigned by:
Debbi Ferm
3/13/2024

FILE NUMBER:
8430-03
DATE: 03/04/2024
C6-13

DocuSign Envelope ID: 892ADAF6-3FEF-4AAB-8E12-4B08BBBA6CEF



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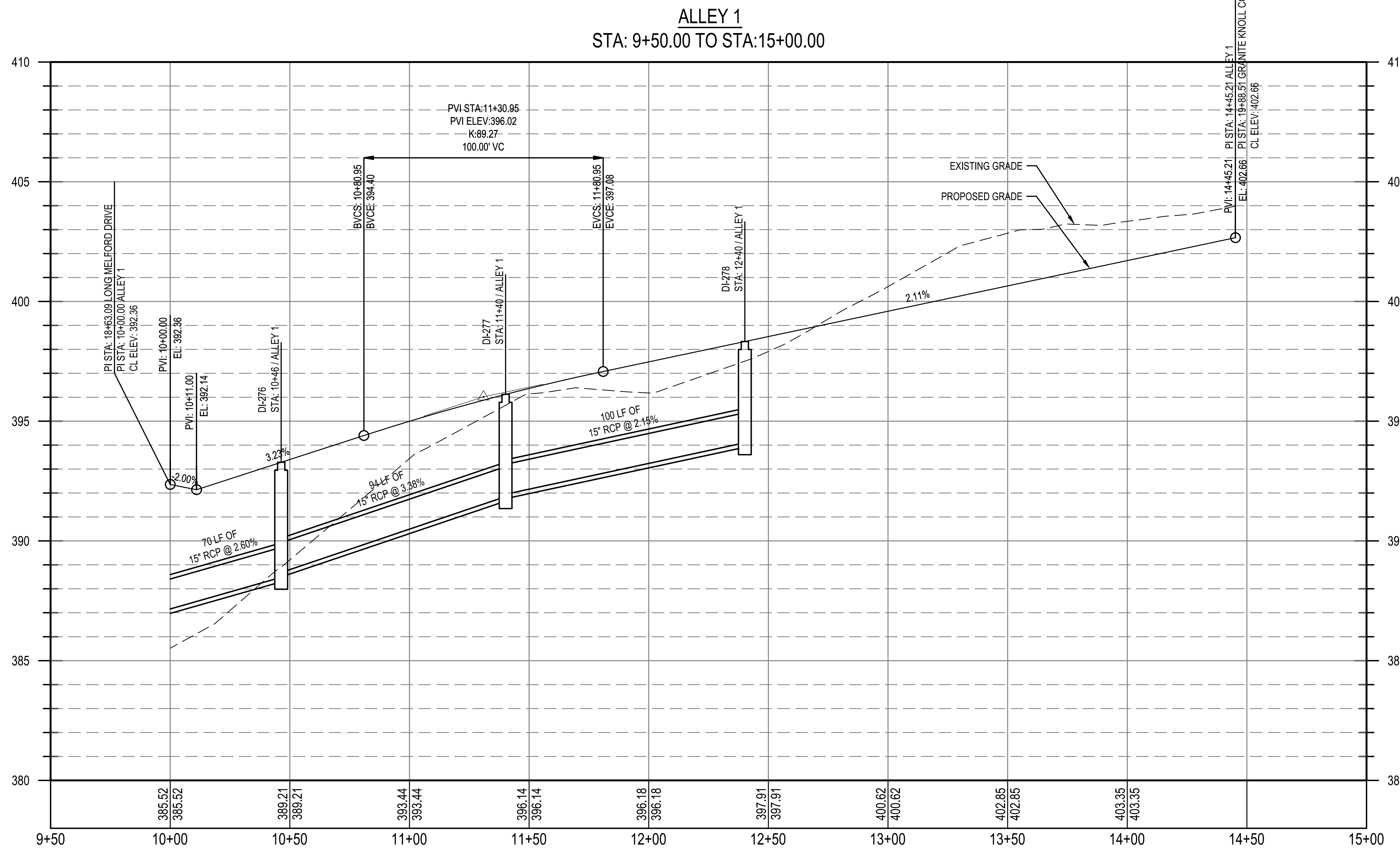

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△	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
REV	06/01/2023	INITIAL SUBMITTAL

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

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ROLESVILLE / NORTH CAROLINA / 27571

ALLEY 1 PLAN AND PROFILE

SEAL
028892
DEBRA M. FERM

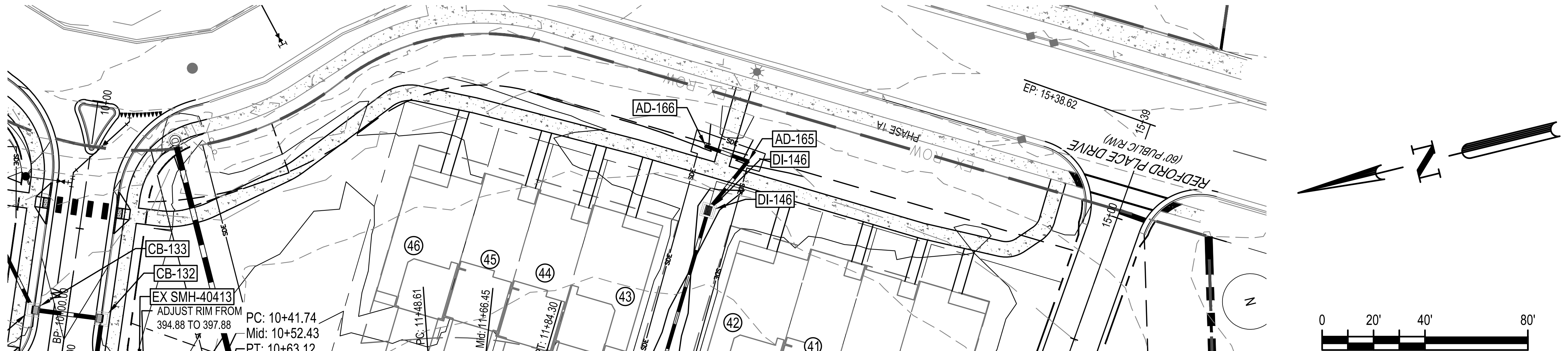
DocuSigned by:
Debra Ferm
3/13/2024

FILE NUMBER:
8430-03

DATE: 03/04/2024

C6-14

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C6-10 ALLEY PLAN AND PROFILE.dwg Layout: C6-14 ALLEY 1 PLAN AND PROFILE Plotted: 3/4/2024 1:35:49 PM



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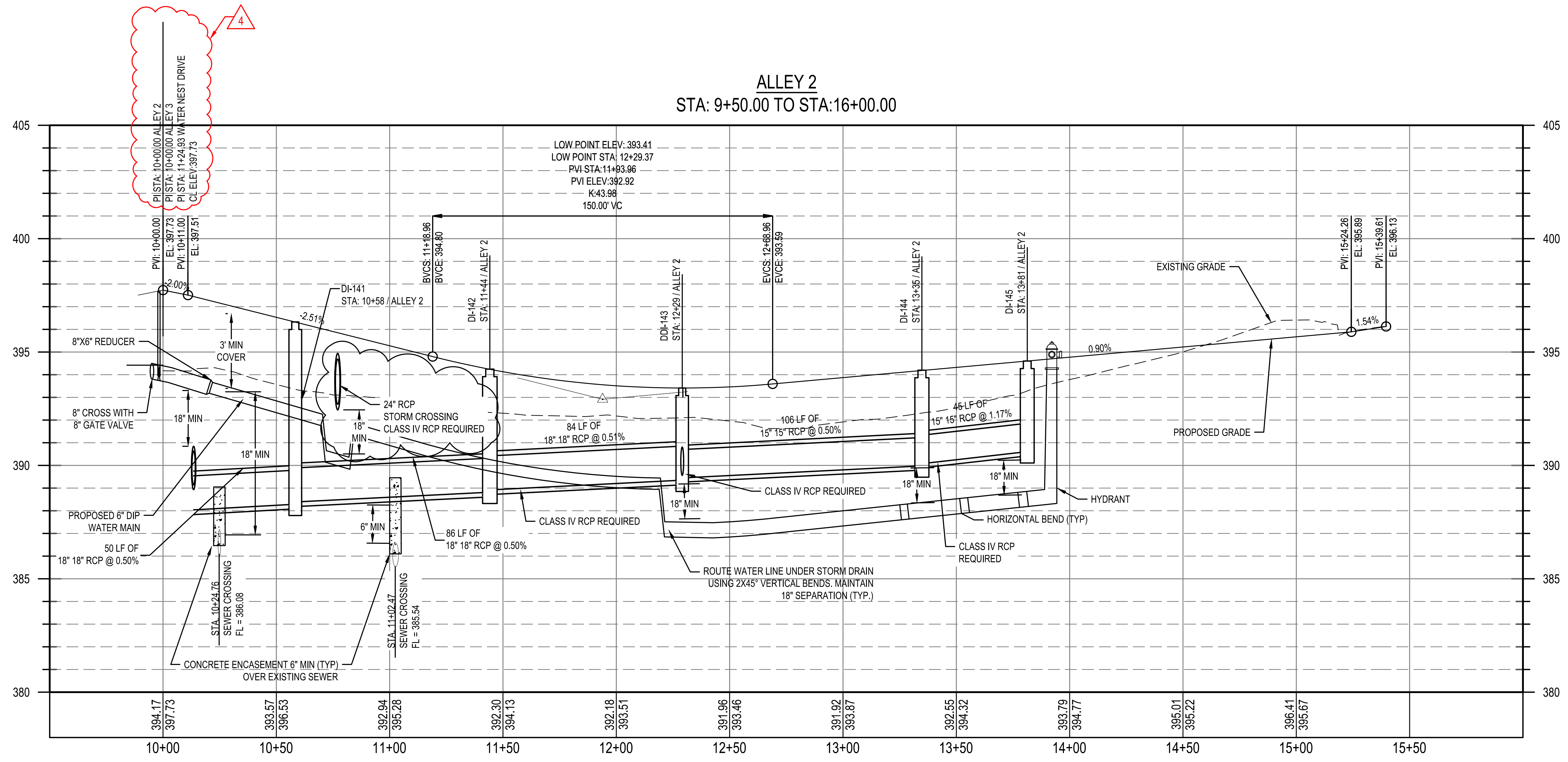
VERT: 1" = 4'



4
ALLEY 2
STA: 9+50.00 TO STA:16+00.00
PI STA. 10+00.00 ALLEY 2
PI STA. 10+00.00 ALLEY 3
PI STA. 11+24.93 WATER NEST DRIVE
CL ELEV 397.73
LOW POINT ELEV: 393.41
LOW POINT STA: 12+29.37
PVI STA:11+93.96
PVI ELEV:392.92
K:43.98
150.00' VC
PVI: 10+00.00 EL: 397.73
PVI: 10+11.00 EL: 397.51
BVCS: 11+18.96 BVCE: 394.80
EVCS: 12+68.96 EVCE: 393.59
PVI: 15+24.26 EL: 395.89
PVI: 15+39.81 EL: 396.13
DI-141 STA: 10+58 / ALLEY 2
DI-142 STA: 11+44 / ALLEY 2
DDI-143 STA: 12+29 / ALLEY 2
DI-144 STA: 13+35 / ALLEY 2
DI-145 STA: 13+81 / ALLEY 2
EXISTING GRADE
PROPOSED GRADE
-2.00%
-2.51%
0.90%
1.54%
8"X6" REDUCER
3' MIN COVER
8" CROSS WITH 8" GATE VALVE
18" MIN
18" MIN
24" RCP STORM CROSSING CLASS IV RCP REQUIRED
18" MIN
84 LF OF 18" 18" RCP @ 0.51%
106 LF OF 15" 15" RCP @ 0.50%
46 LF OF 15" 15" RCP @ 1.17%
PROPOSED 6" DIP WATER MAIN
50 LF OF 18" 18" RCP @ 0.50%
6" MIN
86 LF OF 18" 18" RCP @ 0.50%
CLASS IV RCP REQUIRED
18" MIN
CLASS IV RCP REQUIRED
18" MIN
18" MIN
HYDRANT
HORIZONTAL BEND (TYP)
CLASS IV RCP REQUIRED
ROUTE WATER LINE UNDER STORM DRAIN USING 2X45° VERTICAL BENDS. MAINTAIN 18" SEPARATION (TYP.)
STA. 10+24.76 SEWER CROSSING FL = 386.08
STA. 11+02.47 SEWER CROSSING FL = 385.54
CONCRETE ENCASEMENT 6" MIN (TYP) OVER EXISTING SEWER
405
400
395
390
385
380
394.17 397.73
393.57 396.53
392.94 395.28
392.30 394.13
392.18 393.51
391.96 393.46
391.92 393.87
392.55 394.32
393.79 394.77
395.01 395.22
396.41 395.67
10+00
10+50
11+00
11+50
12+00
12+50
13+00
13+50
14+00
14+50
15+00
15+50

Public
Water Distribution / Extension System

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City of Raleigh
Public Utilities Department Permit # W-4107

Authorization to Construct See digital signature

Public
Sewer Collection / Extension System

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

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PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ALLEY 2 PLAN AND PROFILE

DEBRA M. FERM
3/25/2025

FILE NUMBER: 8430-03
DATE: 3/24/2025

C6-15

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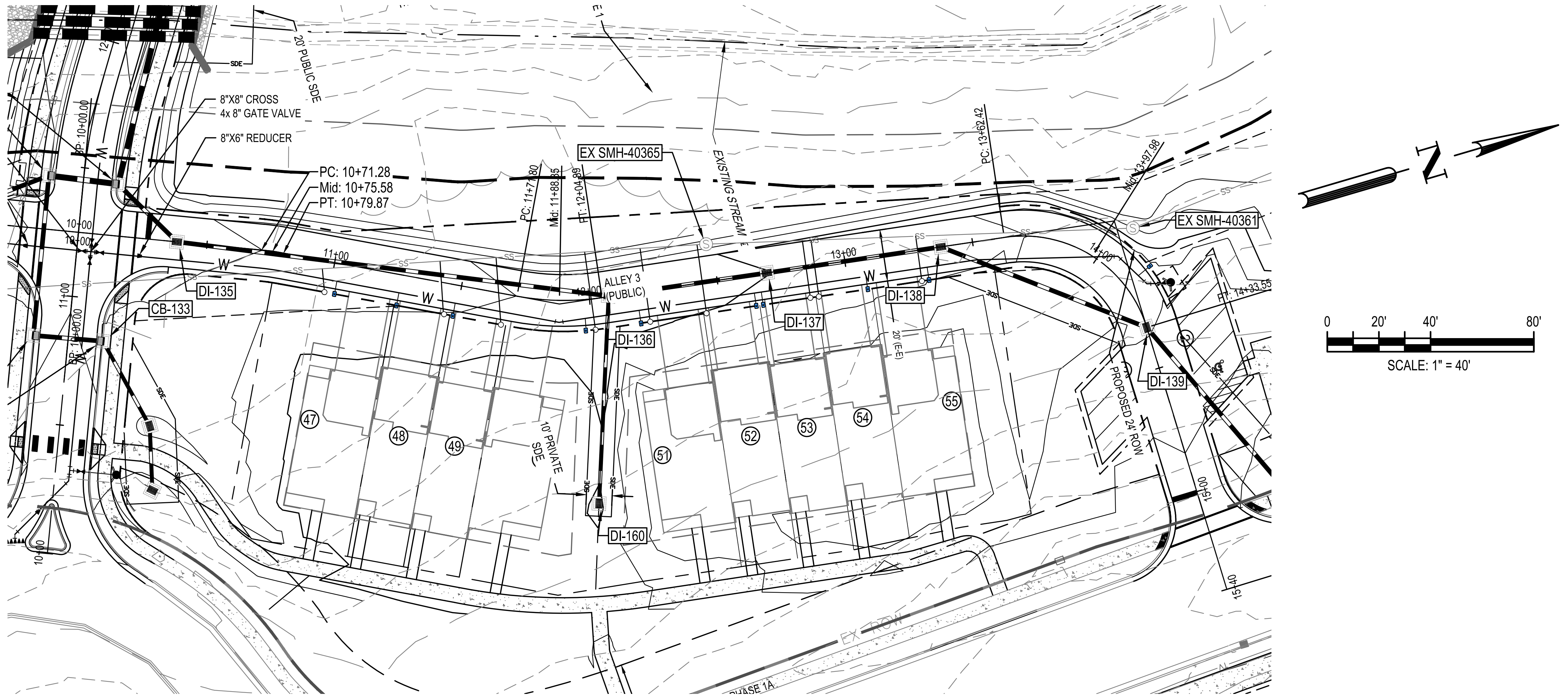
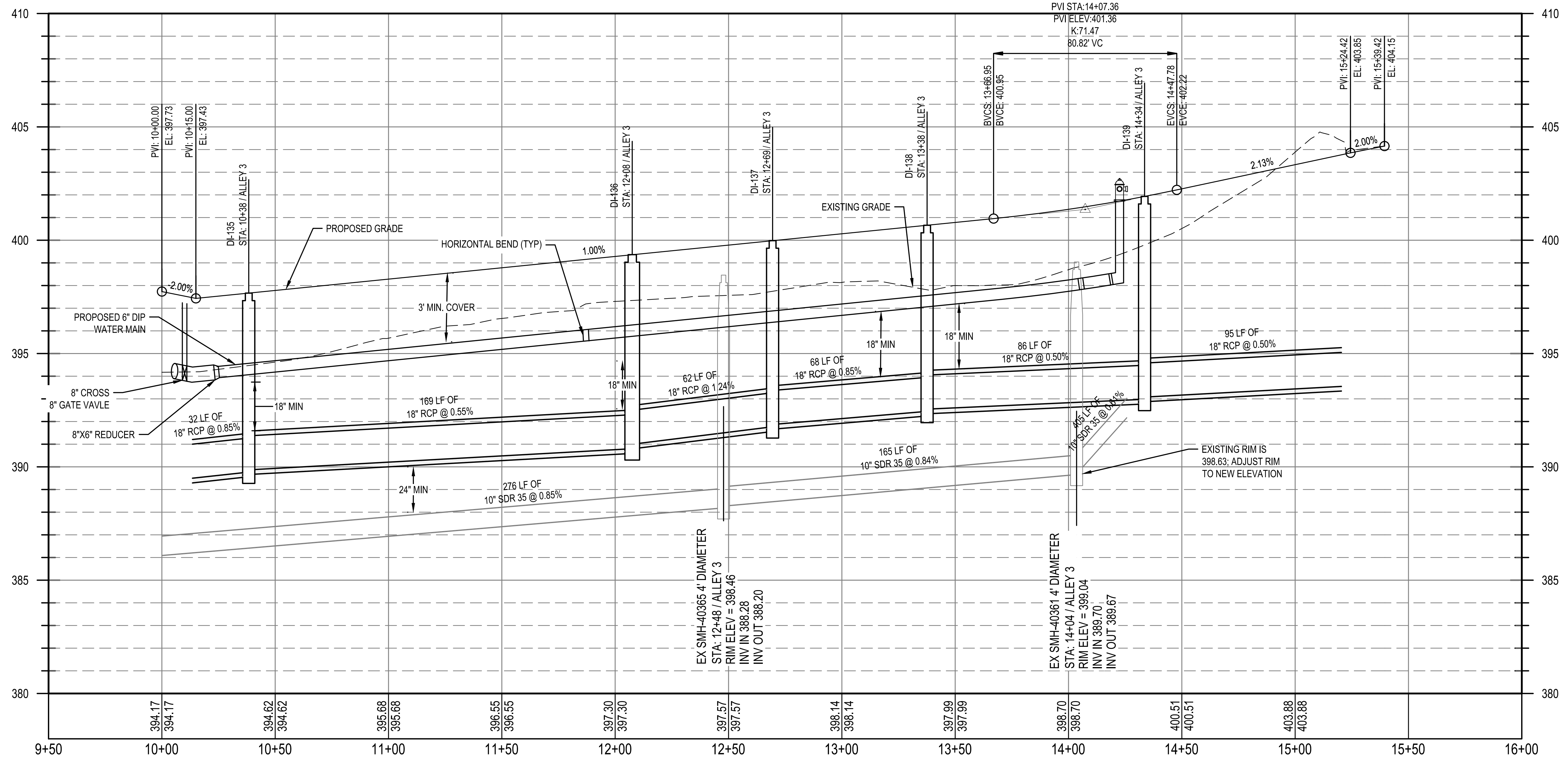


ALLEY 3
STA: 9+50.00 TO STA:16+00.00



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

Digitally signed by Timothy Beasley
DN: C=US, E=Timothy.Beasley@raleighnc.gov, O=City of Raleigh, OU=Raleigh Water, CN=Timothy Beasley
Reason: I am approving this document.
Date: 2024.03.22 08:19:21-04'00'

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REV		
5	02/14/2024	PER TOWN OF ROLESVILLE COMMENT
4	1/12/2024	PER TOWN OF ROLESVILLE / WC COMMENTS
3	11/21/2023	PER TOWN OF ROLESVILLE COMMENT
2	10/02/2023	PER TOWN OF ROLESVILLE COMMENT
1	08/01/2023	PER TOWN OF ROLESVILLE COMMENT
	06/01/2023	INITIAL SUBMITTAL

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

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MORRISVILLE / NORTH CAROLINA / 27560

PARKER RIDGE
82 SCHOOL STREET
ROLESVILLE / NORTH CAROLINA / 27571

ALLEY 3 PLAN AND PROFILE

SEAL 028892
DEBRA M. FERM
3/13/2024
DocuSigned by: Debra Ferm

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

C6-16

G:\NCA\Projects\Lennar\8430-03 - Lennar - School Street - Rolesville\03 - DWG\PlanSheets\On-Site\C6-10 ALLEY PLAN AND PROFILE.dwg Layout: C6-16 ALLEY 3 PLAN AND PROFILE Plotted: 3/4/2024 1:36:08 PM

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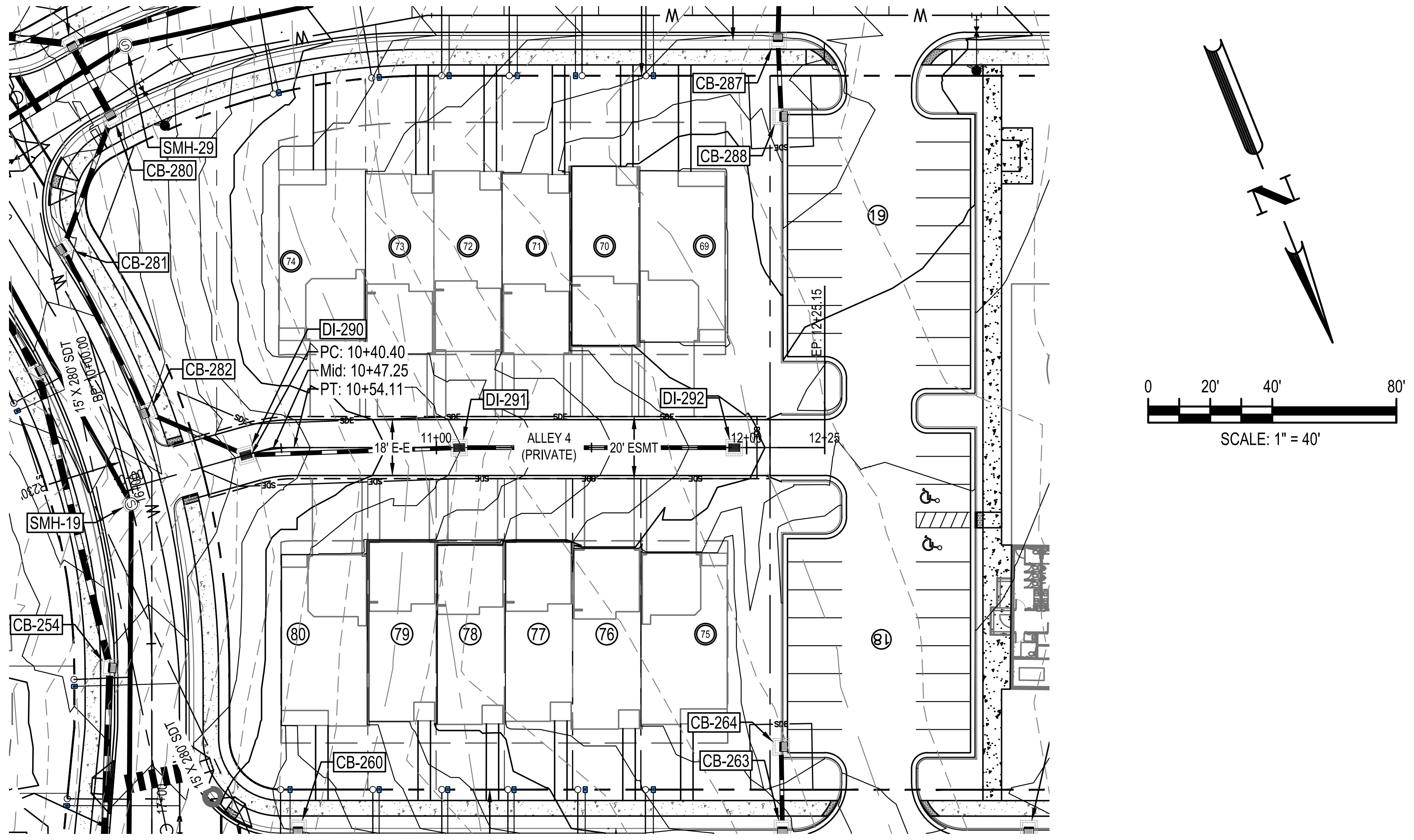
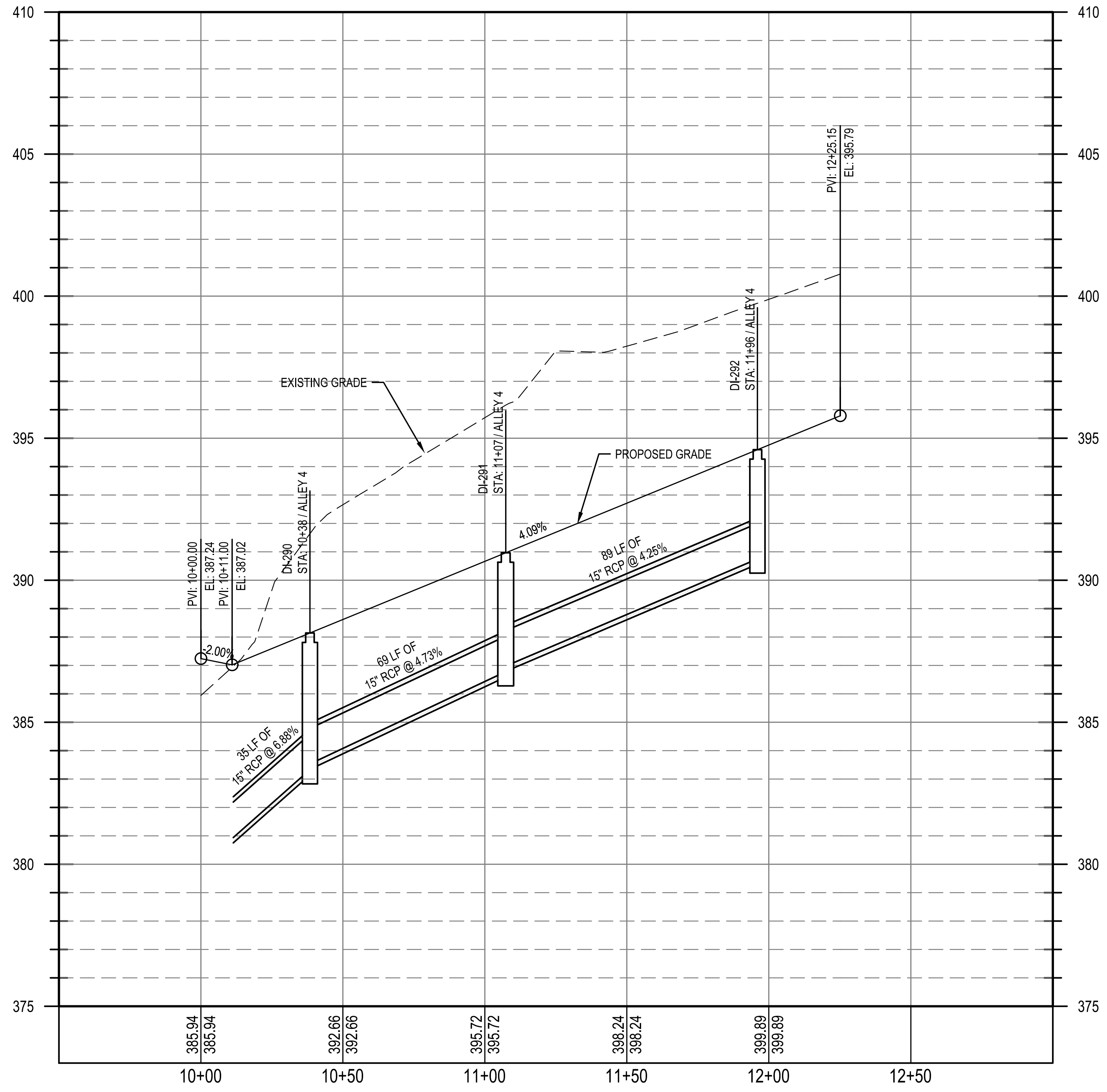


ALLEY 4

STA: 9+50.00 TO STA:13+00.00



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City of Raleigh
Public Utilities Department Permit # W-4107

Authorization to Construct See digital signature

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City of Raleigh
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Authorization to Construct See digital signature

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Raleigh Water Review Officer Timothy Beasley

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

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ALLEY 4 PLAN AND PROFILE

SEAL 028892
DEBRA M. FERM

DocuSigned by:
Debra Ferm
3/13/2024

FILE NUMBER:
8430-03

DATE: 03/04/2024

C6-17

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