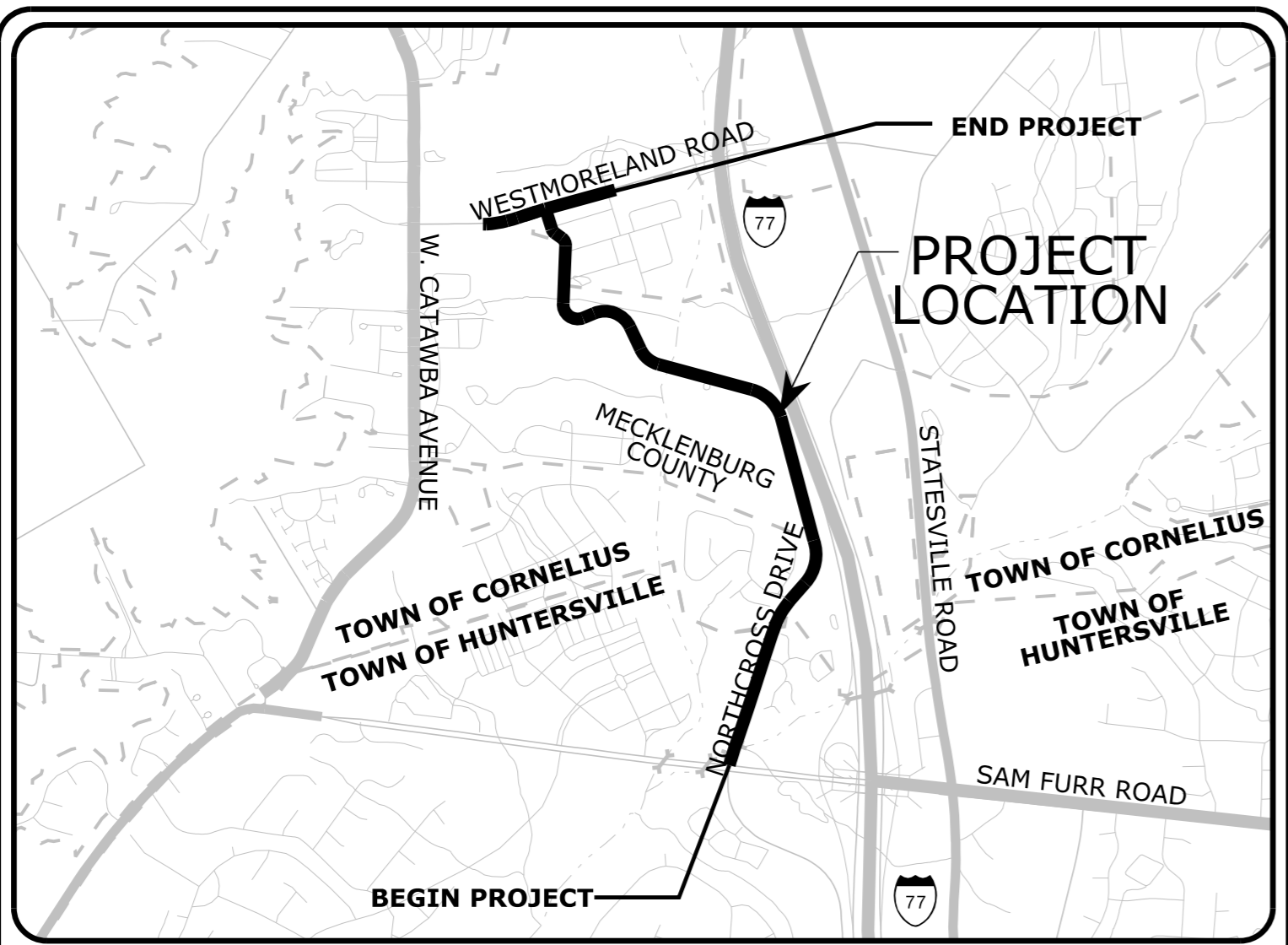


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TIP PROJECT: U-5108

CONTRACT: C204501

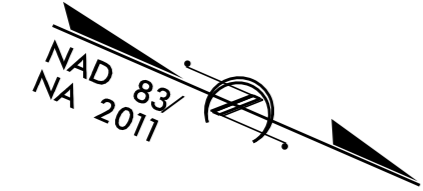
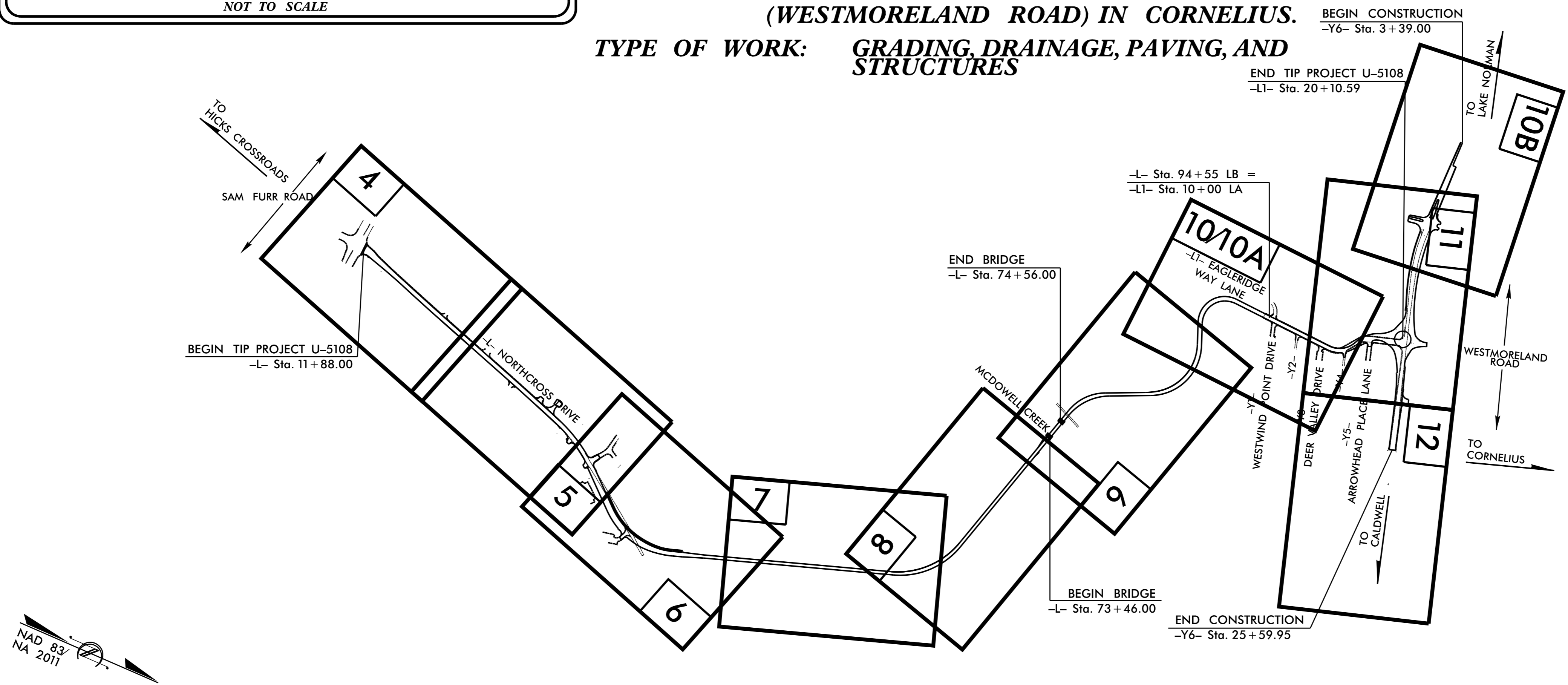


VICINITY MAP
NOT TO SCALE

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL
 MECKLENBURG COUNTY

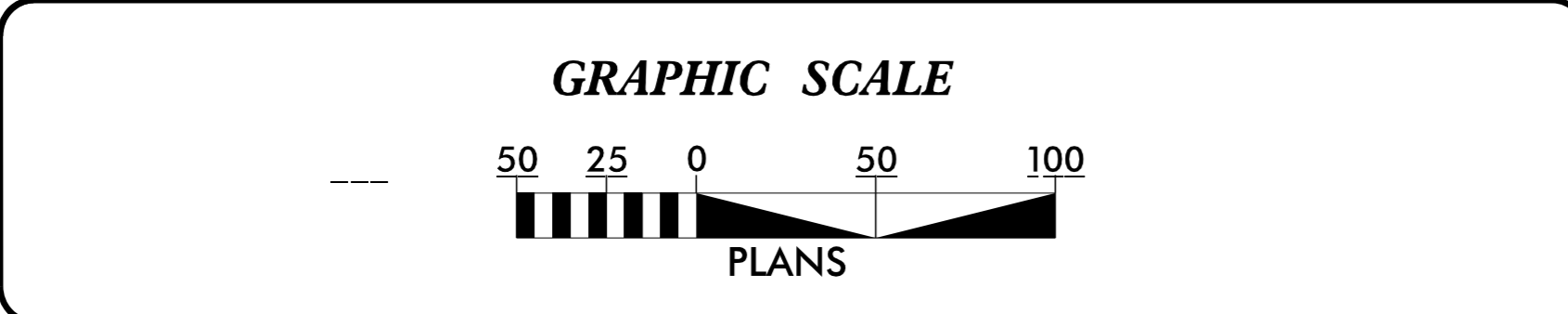
LOCATION: NORTHROSS DRIVE EXTENSION PROJECT -
 SR 2316 (NORTHCROSS DRIVE) FROM JUST
 NORTH OF NC 73 (SAM FURR ROAD) IN
 HUNTERSVILLE TO SR 2147
 (WESTMORELAND ROAD) IN CORNELIUS.

TYPE OF WORK: GRADING, DRAINAGE, PAVING, AND
 STRUCTURES



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5108	EC-1	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
42370.1.1		PE	
42370.2.2	STBGDA-1001(078)	RW & UTIL.	
42370.3.3	STBGDA-1001(078)	CONST.	

THIS PROJECT CONTAINS
 EROSION CONTROL PLANS
 FOR CLEARING AND
 GRUBBING PHASE OF
 CONSTRUCTION.



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY WITH
 THE APPLICABLE REGULATIONS SET FORTH BY THE NCG-010000
 GENERAL CONSTRUCTION PERMIT EFFECTIVE APRIL 1, 2019
 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF
 ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.



NC LICENSE #P-0102
 P.O. BOX 3008
 RALEIGH, NORTH CAROLINA 27636
 PHONE: (919) 877-2000

Prepared In the Office of:
KIMLEY HORN
 200 S Tryon St #200
 Charlotte, NC 28202

Designed by:
Spencer R. Green, PE 4244
 NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The "Roadway Standard Drawings"- Roadway Design Unit - N. C.
 Department of Transportation - Raleigh, N. C., dated January 2024
 and the latest revision thereto are applicable to this project and by
 reference hereby are considered a part of these plans.

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

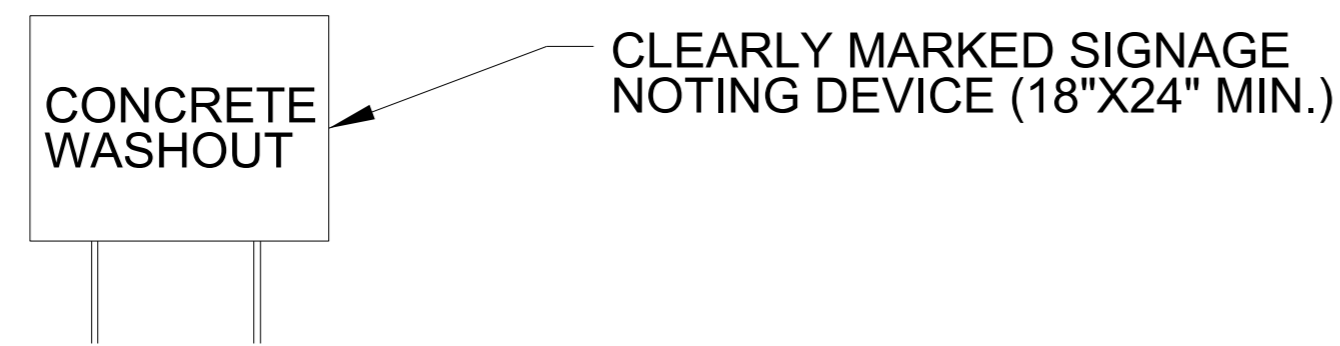
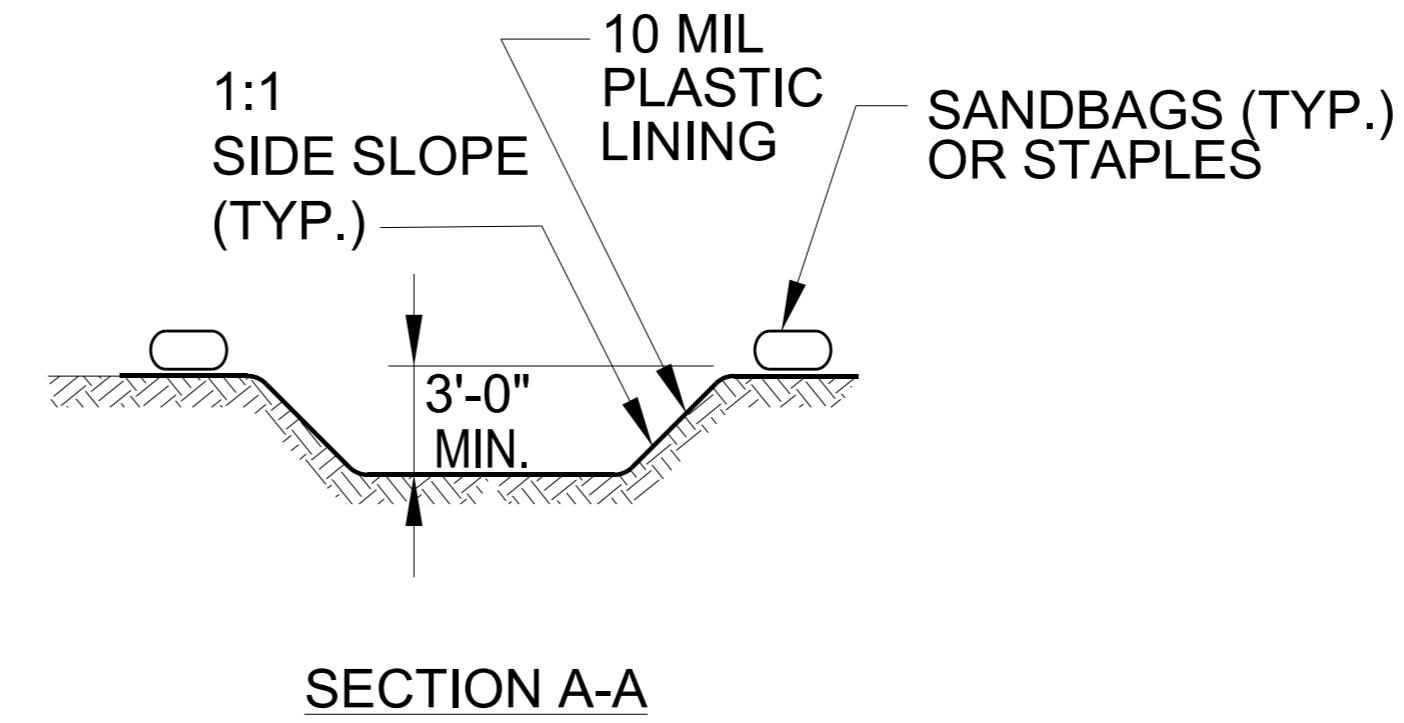
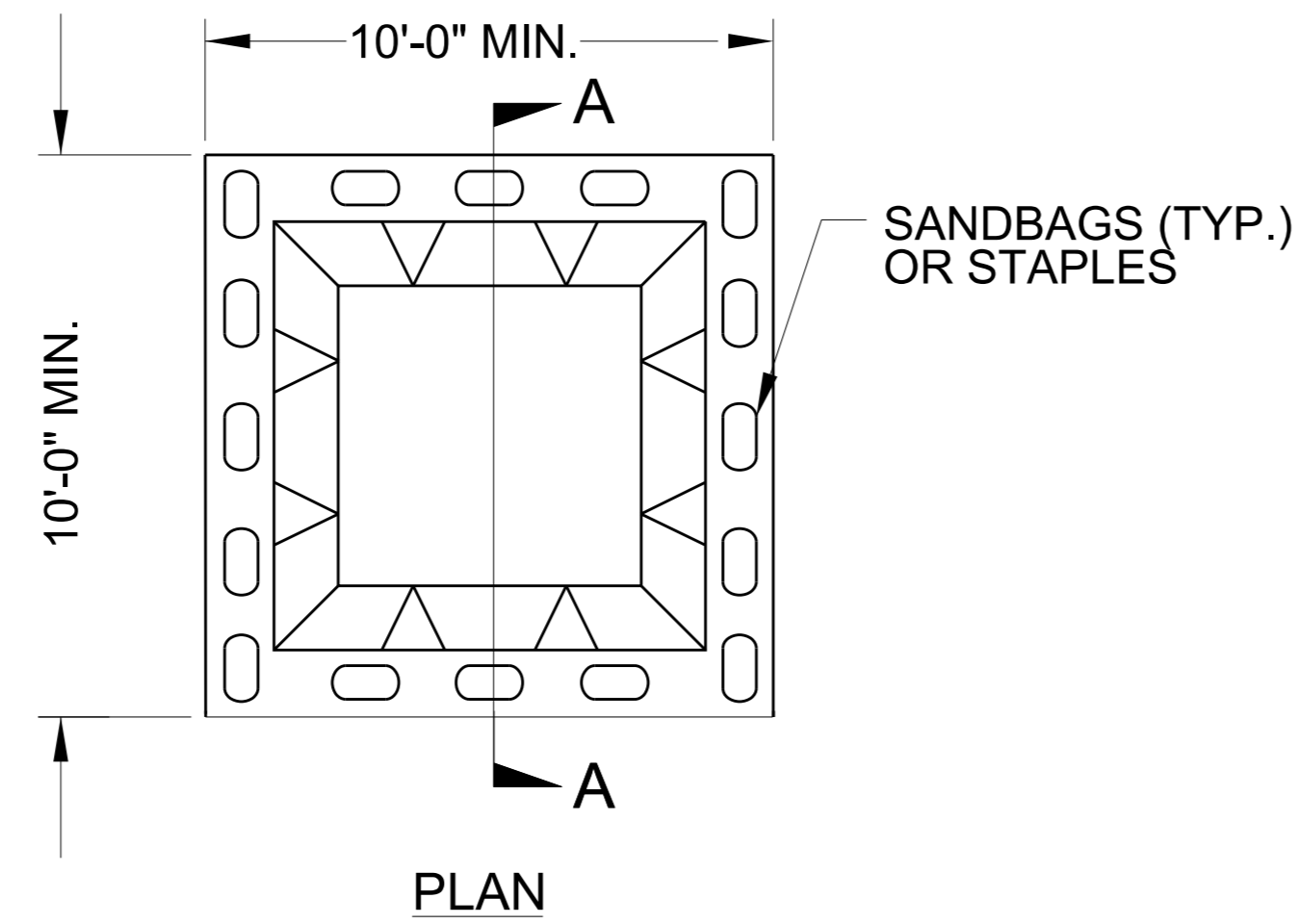
<u>Std. #</u>	<u>Description</u>	<u>Symbol</u>	<u>Std. #</u>	<u>Description</u>	<u>Symbol</u>	
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A		
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B		
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant		
1630.02	Silt Basin Type B		1634.01	Temporary Rock Sediment Dam Type A		
1630.03	Temporary Silt Ditch		1634.02	Temporary Rock Sediment Dam Type B		
1630.04	Stilling Basin		1635.01	Rock Pipe Inlet Sediment Trap Type A		
1630.05	Temporary Diversion		1635.02	Rock Pipe Inlet Sediment Trap Type B		
1630.06	Special Stilling Basin		1636.01	Excelsior Wattle Check		
1630.07	Skimmer Basin		1636.01	Excelsior Wattle Check with Flocculant		
1630.08	Tiered Skimmer Basin		1636.01	Coir Fiber Wattle Check		
1630.09	Earthen Dam with Skimmer		1636.01	Coir Fiber Wattle Check with Flocculant		
	Infiltration Basin		1636.02	Silt Fence Excelsior Wattle Break		
	Rock Inlet Sediment Trap:			Silt Fence Coir Fiber Wattle Break		
1632.01	Type A			1636.03	Excelsior Wattle Barrier	
1632.02	Type B			1636.03	Coir Fiber Wattle Barrier	
1632.03	Type C					

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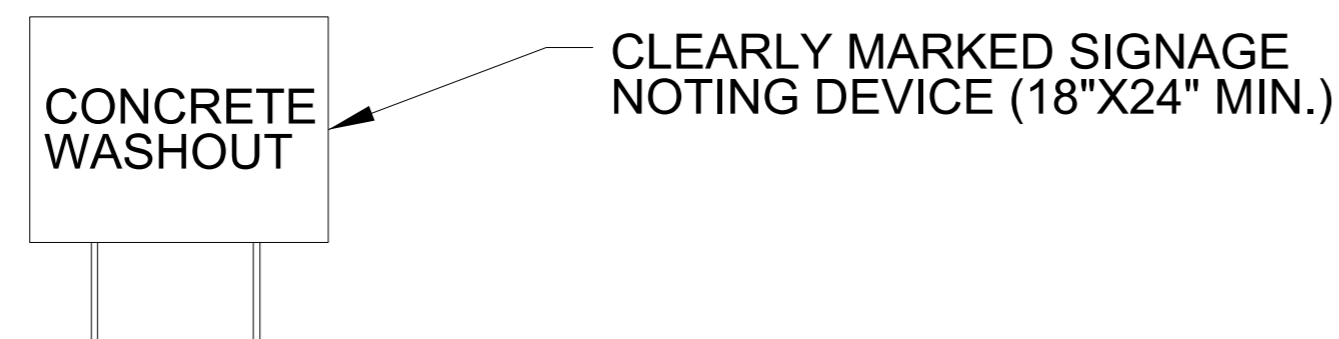
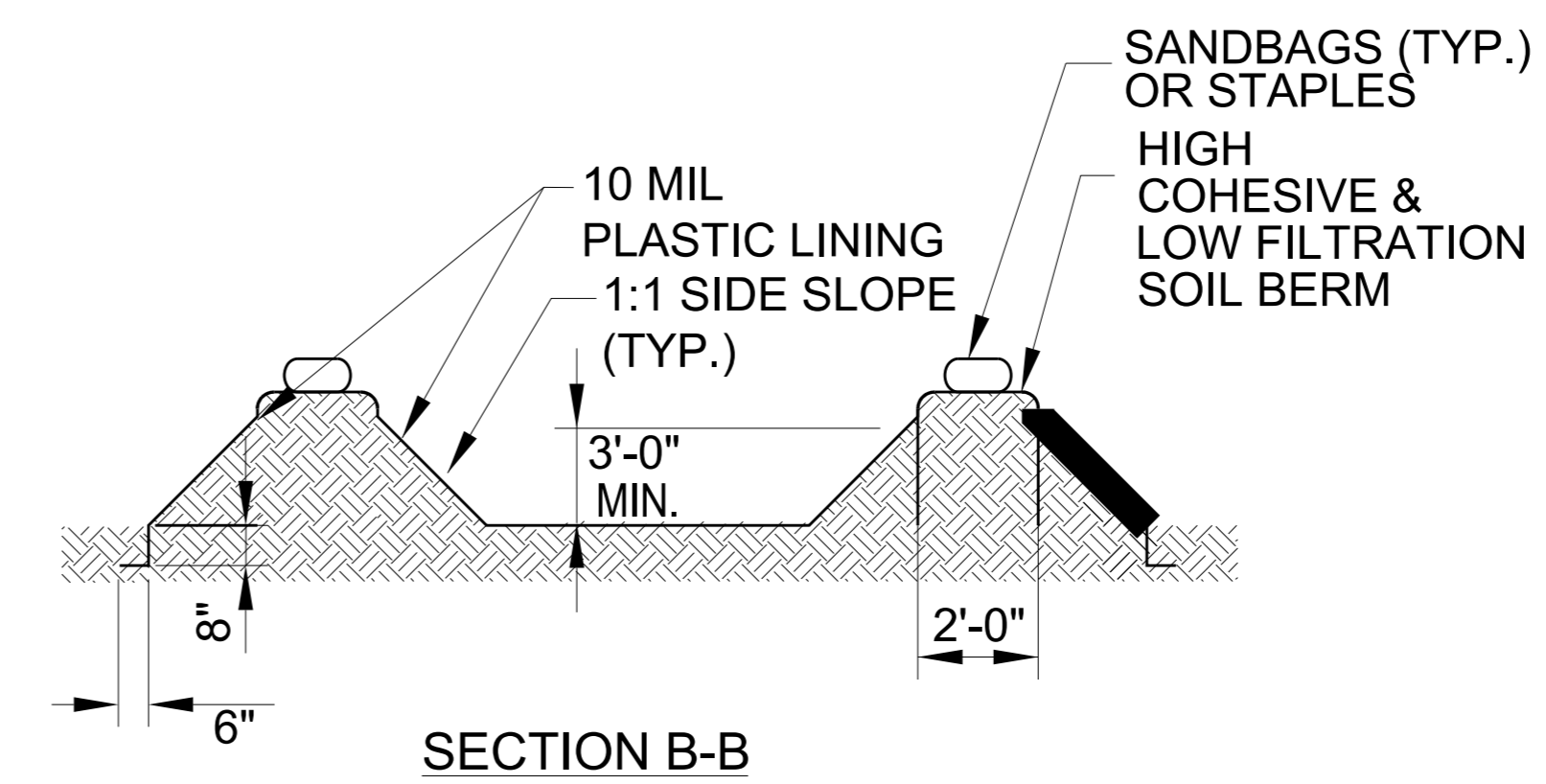
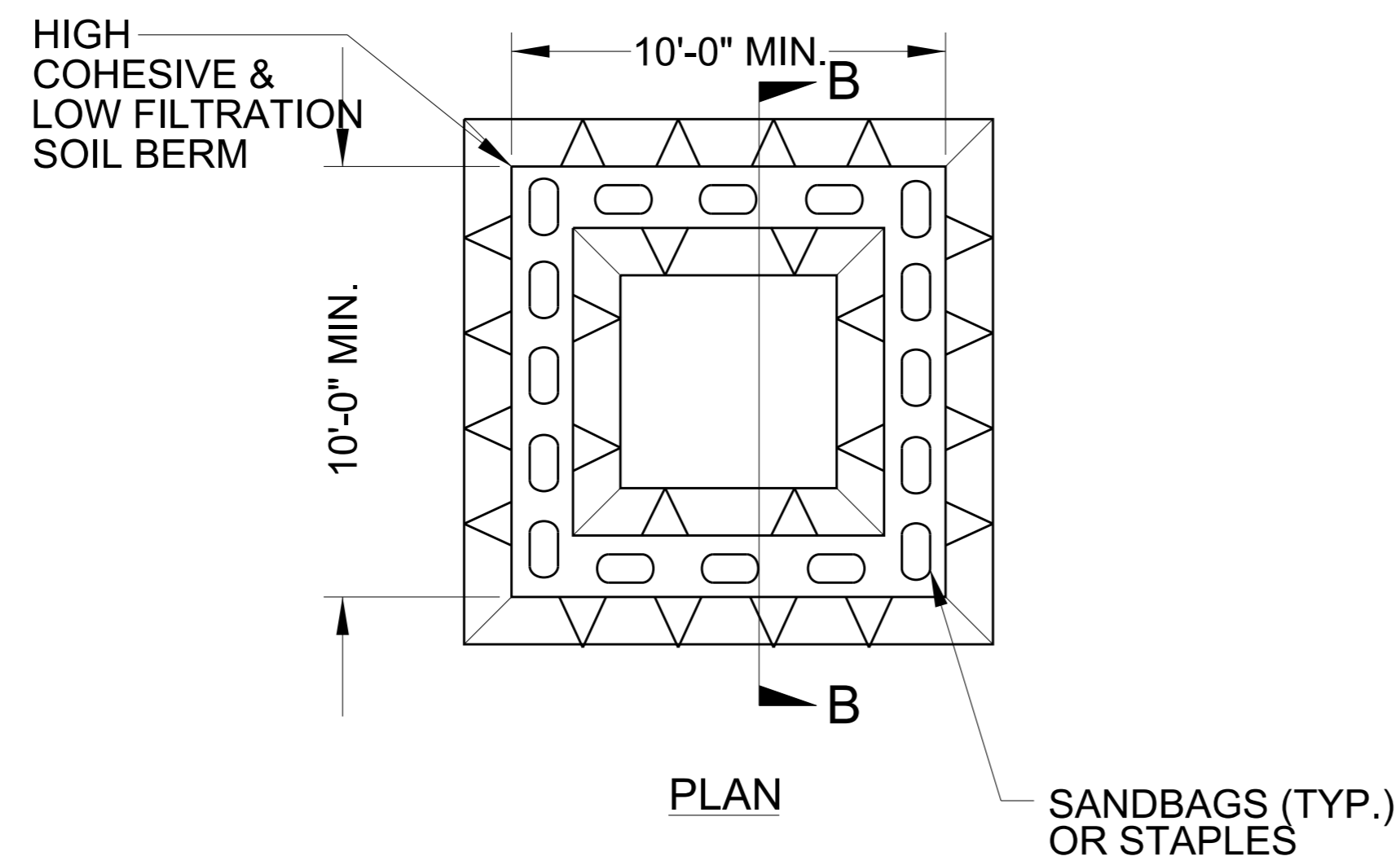
3/12/2024

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:**
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

STRAW MATTING FOR EROSION CONTROL (DITCHES)

STRAW MATTING FOR EROSION CONTROL (SLOPES)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
5	-L-	26+27	28+00	RT	135
5	-L-	28+00	30+00	RT	155
6	-L-	40+50	44+50	RT	310
6	-L-	44+50	45+66	RT	90
6	-L-	45+66	46+50	RT	65
6/7	-L-	46+50	47+50	RT	80
7	-L-	48+50	53+00	RT	350
6/7	-L-	46+77	47+50	LT	60
7	-L-	47+50	52+00	LT	350
7	-L-	47+50	48+50	RT	80
7/8	-L-	56+86	59+50	LT	205
8	-L-	62+00	64+00	LT	155
8	-L-	66+00	68+50	LT	350
8	-L-	68+50	71+50	LT	420
8	-L-	64+50	67+50	RT	235
8	-L-	67+50	68+50	RT	80
8	-L-	68+50	71+50	RT	235
9	-L-	74+50	75+00	LT	55
9	-L-	75+00	75+50	LT	55
9	-L-	76+50	80+50	LT	310
9	-L-	81+00	82+70	LT	135
9	-L-	83+50	84+00	LT	40
9	-L-	84+00	85+16	LT	90
9	-L-	85+16	86+50	LT	105
10	-L-	86+50	87+50	LT	80
10	-L-	89+00	90+00	LT	80
12	-L1-	18+00	19+12	RT	90
SUBTOTAL					4,395
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					2,197
STRAW DITCH TOTAL					6,592
SAY					6,600

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
6	-L-	35+50	39+52	LT	540
6	-L-	36+30	37+30	RT	255
6	-L-	43+00	44+00	LT	115
8/9	-L-	72+00	73+50	LT	360
8/9	-L-	72+00	73+50	RT	355
9	-L-	74+56	74+81	LT/RT	225
9	-L-	75+00	76+00	LT/RT	995
9/10	-L-	81+50	92+50	RT	3,240
10	-L-	90+00	92+50	LT	870
10	-L1-	17+50	19+50	LT	260
11	RAB				3,390
10	-DRW12-	10+00	10+50	LT/RT	95
10	-DRW13-	10+00	10+50	LT/RT	110
SUBTOTAL					10,810
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					18,600
STRAW SLOPE TOTAL					29,410
SAY					29,410

EXCELSIOR MATTING FOR EROSION CONTROL (DITCHES)

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
7/8	-L-	59+50	62+00	LT	195
8	-L-	64+00	66+00	LT	155
10	-L-	87+50	89+00	LT	120
SUBTOTAL					470
MISCELLANEOUS EXCELSIOR TO BE INSTALLED AS DIRECTED BY THE ENGINEER					230
EXCELSIOR TOTAL					700
SAY					710
TOTAL MATTING FOR EROSION CONTROL					36,720

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3/12/2024

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

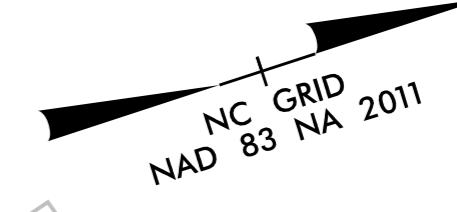
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

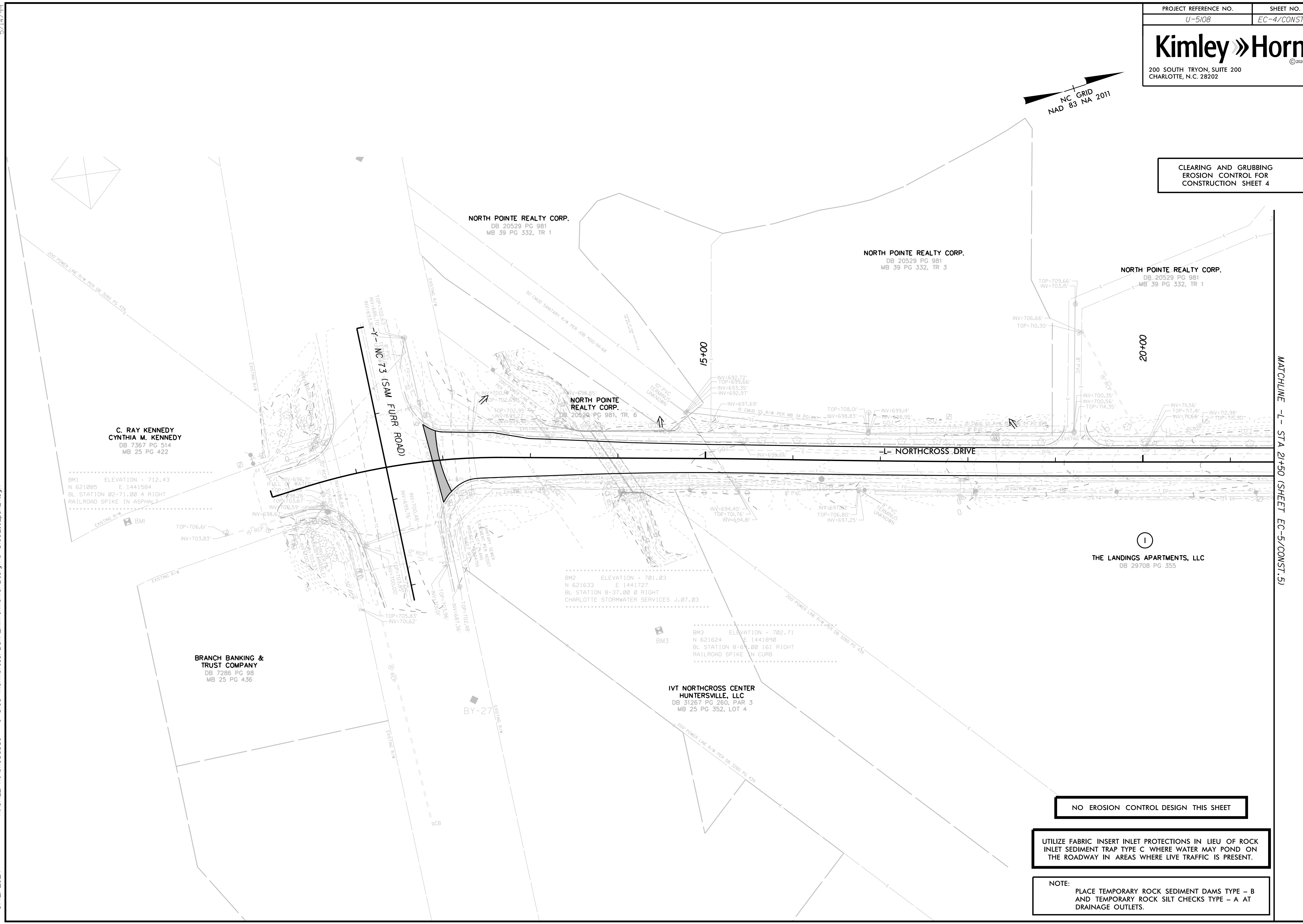
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3/12/2024



CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 4



C. RAY KENNEDY
 CYNTHIA M. KENNEDY
 DB 7367 PG 514
 MB 25 PG 422

NORTH POINTE REALTY CORP.
 DB 20529 PG 981
 MB 39 PG 332, TR 1

NORTH POINTE REALTY CORP.
 DB 20529 PG 981
 MB 39 PG 332, TR 3

NORTH POINTE REALTY CORP.
 DB 20529 PG 981
 MB 39 PG 332, TR 1

NORTH POINTE REALTY CORP.
 DB 20529 PG 981, TR. 6

BM1 ELEVATION - 712.43
 N 621085 E 1441584
 BL STATION 02-71.00 4 RIGHT
 RAILROAD SPIKE IN ASPHALT

BM2 ELEVATION - 701.03
 N 621633 E 1441727
 BL STATION 8-37.00 0 RIGHT
 CHARLOTTE STORMWATER SERVICES J.07.03

BM3 ELEVATION - 702.71
 N 621624 E 1441890
 BL STATION 8-67.00 161 RIGHT
 RAILROAD SPIKE IN CURB

BRANCH BANKING &
 TRUST COMPANY
 DB 7286 PG 98
 MB 25 PG 436

IVT NORTHROSS CENTER
 HUNTERSVILLE, LLC
 DB 31267 PG 260, PAR 3
 MB 25 PG 352, LOT 4

THE LANDINGS APARTMENTS, LLC
 DB 29708 PG 355

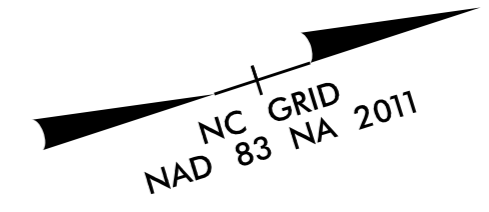
NO EROSION CONTROL DESIGN THIS SHEET

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK
 INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON
 THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

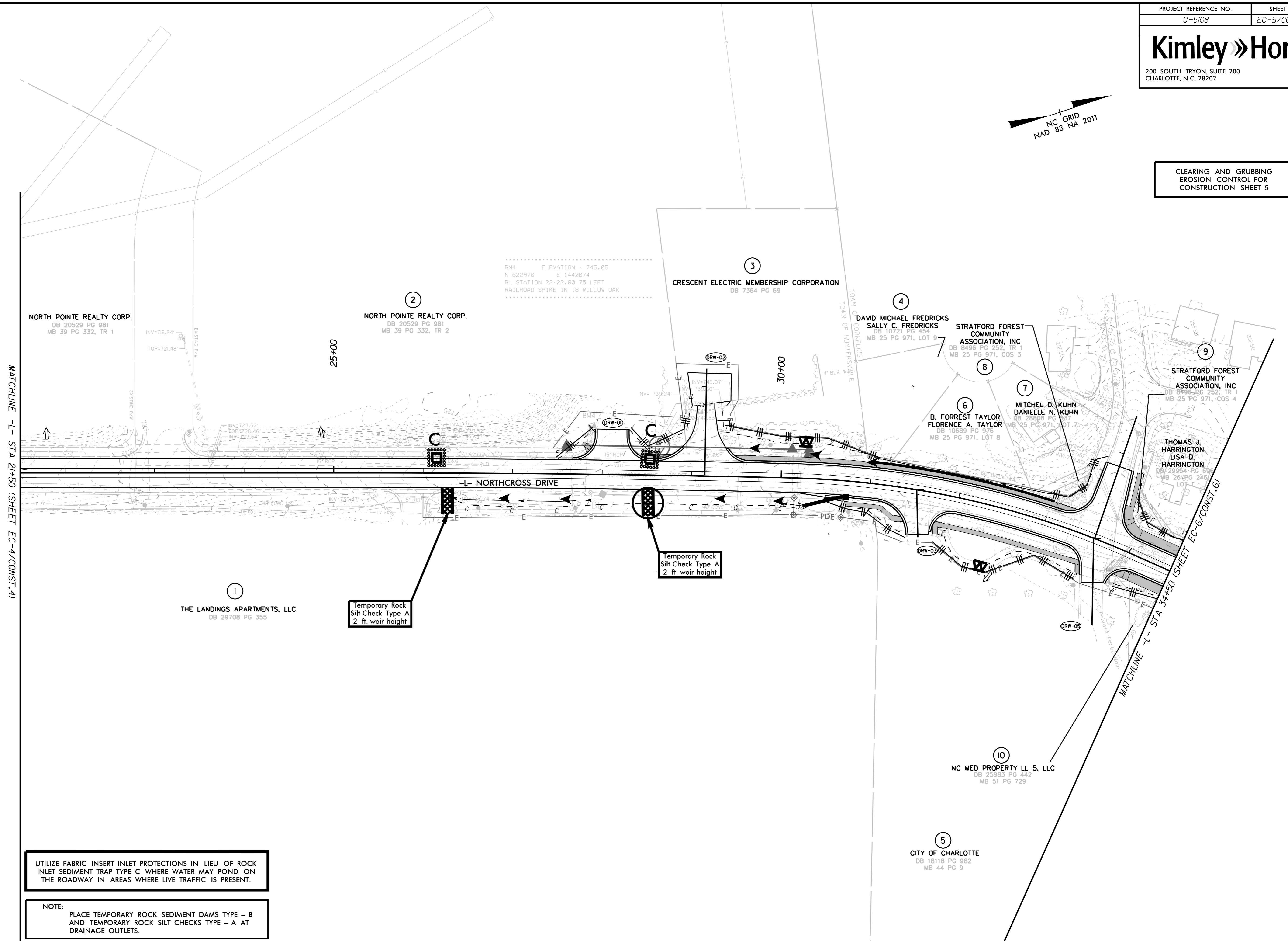
NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
 AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
 DRAINAGE OUTLETS.

5/14/99
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MATCHLINE - STA 21+50 (SHEET EC-5/CONST. 5)



CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 5



UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

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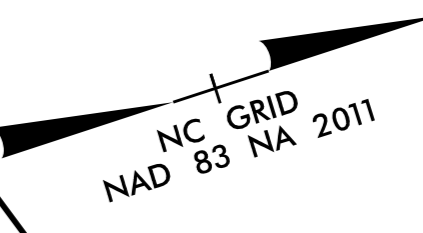
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3/12/2024

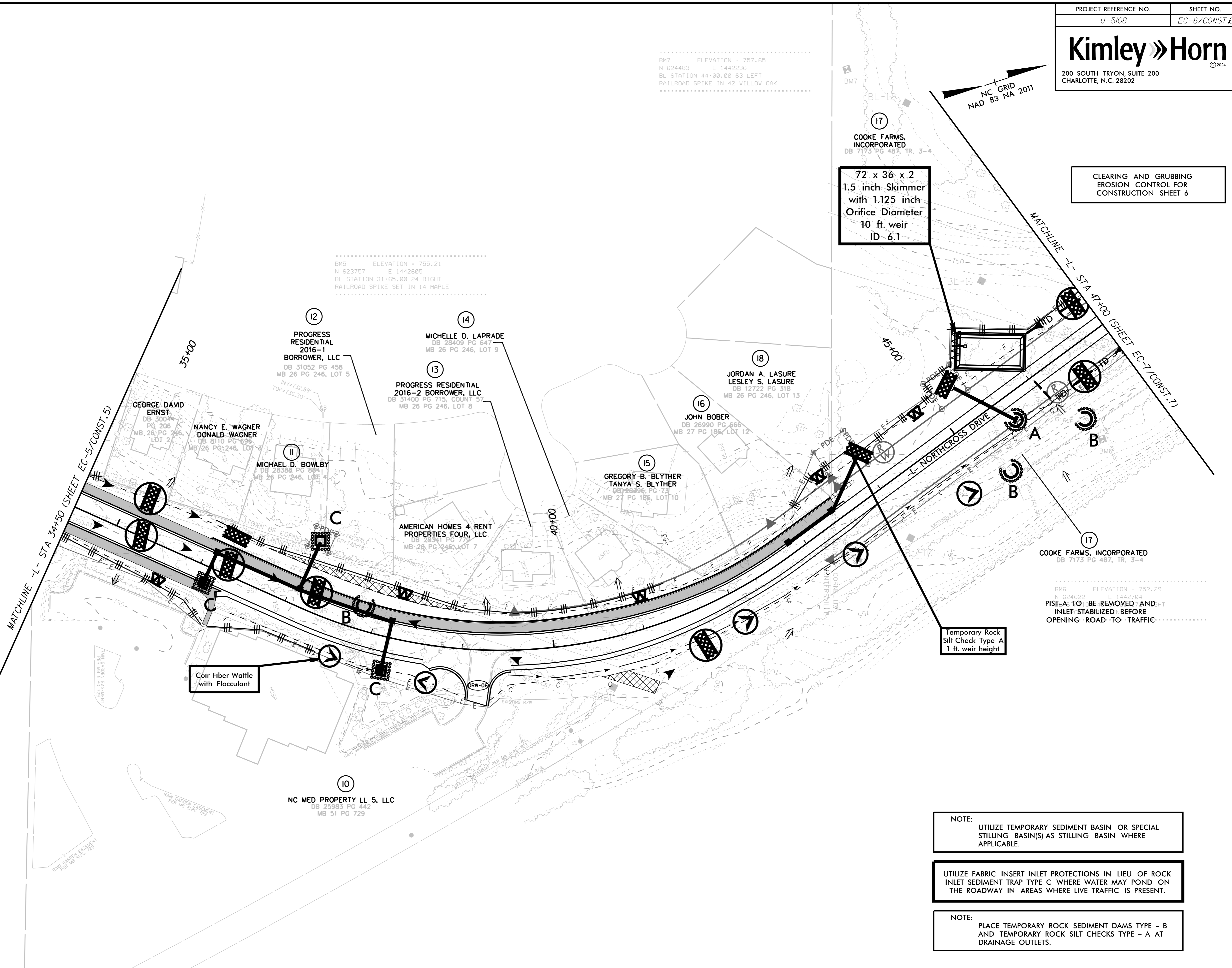
BM7 ELEVATION = 757.85
 N 624483 E 1442236
 BL STATION 44+00.00 63 LEFT
 RAILROAD SPIKE IN 42 WILLOW OAK

BM5 ELEVATION = 755.21
 N 623757 E 1442605
 BL STATION 31+65.00 24 RIGHT
 RAILROAD SPIKE SET IN 14 MAPLE



72 x 36 x 2
 1.5 inch Skimmer
 with 1.125 inch
 Orifice Diameter
 10 ft. weir
 ID = 6.1

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 6

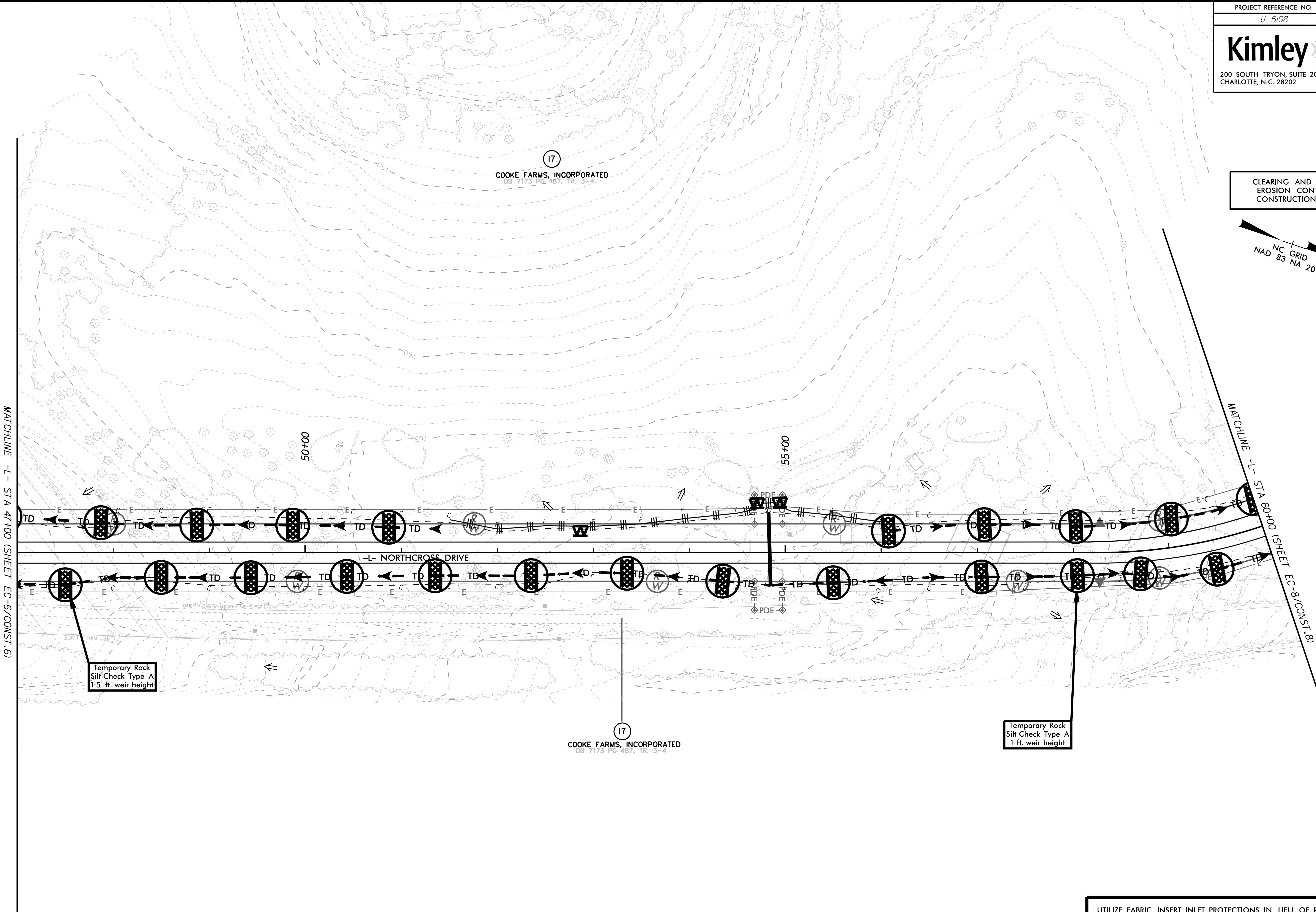
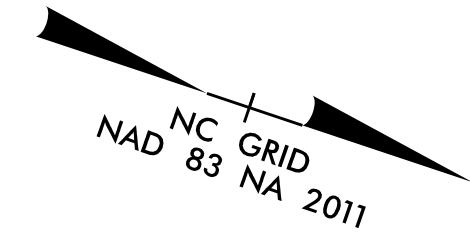


NOTE:
 UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7



MATCHLINE -L- STA 47+00 (SHEET EC-6/CONST.6)

MATCHLINE -L- STA 60+00 (SHEET EC-8/CONST.8)

Temporary Rock
Silt Check Type A
1.5 ft. weir height

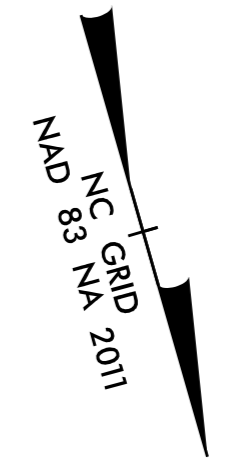
Temporary Rock
Silt Check Type A
1 ft. weir height

17
COOKE FARMS, INCORPORATED
DB 7173 PG 487, TR. 3-4

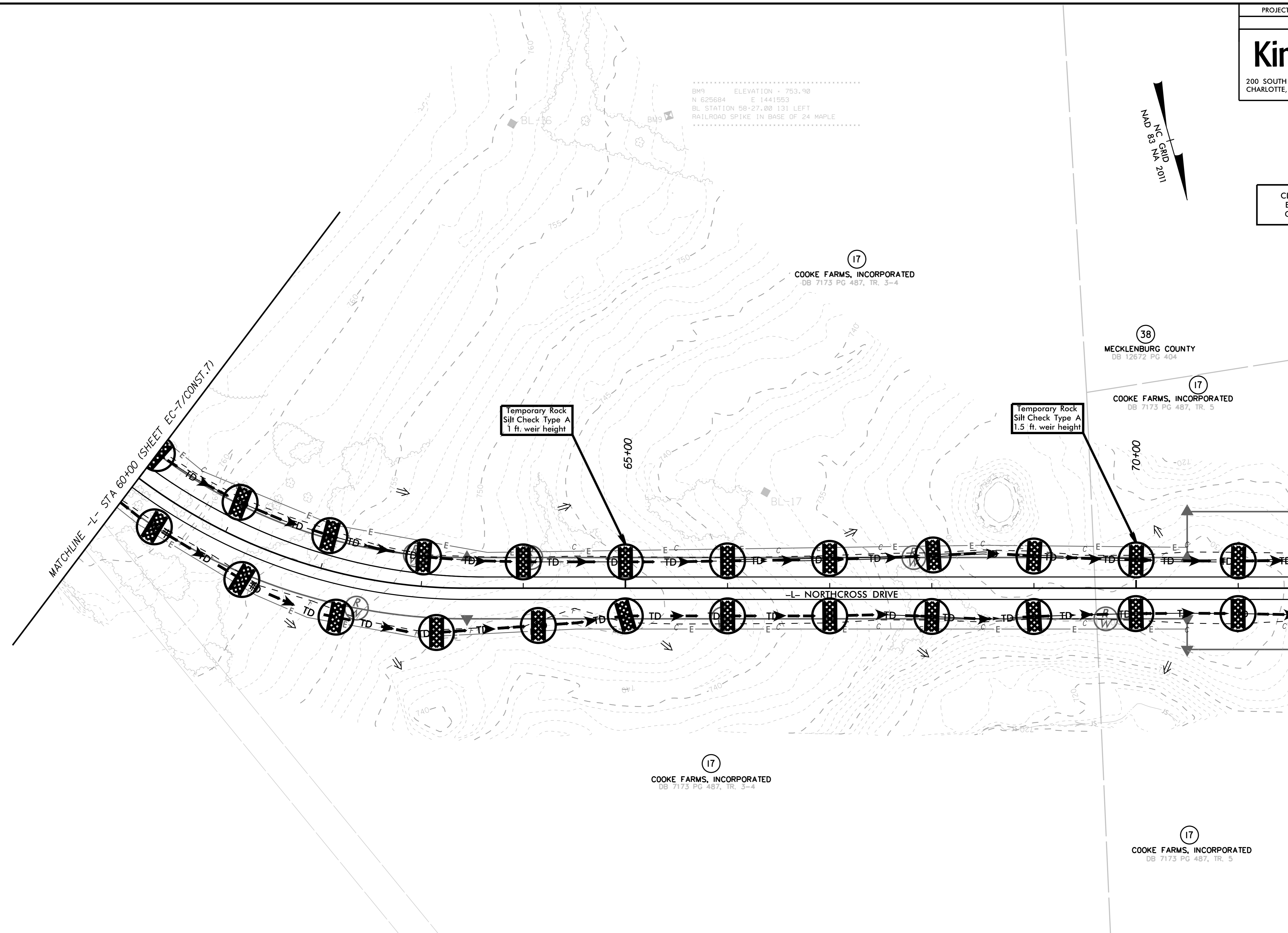
UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 8



BM9 ELEVATION = 753.90
 N 625684 E 1441553
 BL STATION 58+27.00 131 LEFT
 RAILROAD SPIKE IN BASE OF 24 MAPLE

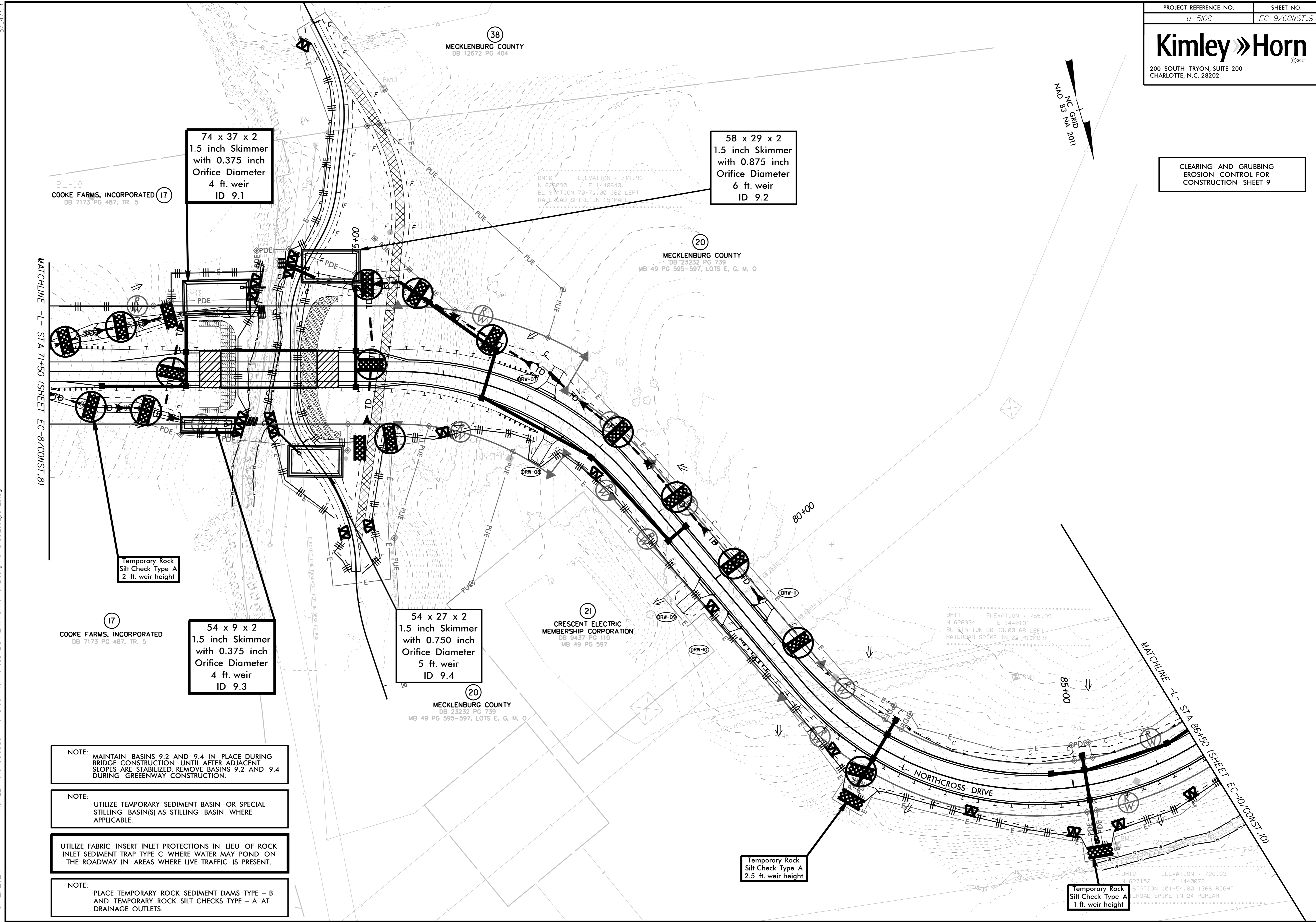


UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SEDIMENT SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9



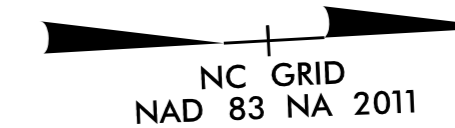
NOTE: MAINTAIN BASINS 9.2 AND 9.4 IN PLACE DURING BRIDGE CONSTRUCTION UNTIL AFTER ADJACENT SLOPES ARE STABILIZED. REMOVE BASINS 9.2 AND 9.4 DURING GREENWAY CONSTRUCTION.

NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

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3/12/2024



CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 10

20
 MECKLENBURG COUNTY
 DB 23232 PG 739
 MB 49 PG 595-597, LOTS E, G, M, O

22Z
 TOWN OF CORNELIUS
 DB 26414 PG 346
 MB 47 PG 641, TR. 2

26
 ALEXANDER CHASE
 HOMEOWNERS
 ASSOCIATION, INC.
 DB 17224 PG 59, TR. 1
 MB 38 PG 667, PARK 1

Temporary Stream Crossing
 per NCDOT Std No. 1645.01
 as necessary (30" Temporary Pipe)

-L- POT Sta. 94+55.00 =
 -L- POT Sta. 10+00.00 =

23
 ALEXANDER CHASE
 HOMEOWNERS
 ASSOCIATION, INC.
 DB 26009 PG 35
 MB 46 PG 955, COS "J"

ALEXANDER CHASE
 HOMEOWNERS
 ASSOCIATION, INC.
 DB 26009 PG 35
 MB 46 PG 955, COS "J"

ALEXANDER CHASE
 HOMEOWNERS
 ASSOCIATION, INC.
 DB 19484 PG 158
 MB 44 PG 121, COS 2

25
 ALEXANDER CHASE
 HOMEOWNERS
 ASSOCIATION, INC.
 DB 19484 PG 158
 MB 44 PG 121, COS 1

RAY S. ARMINI
 DB 30817 PG 901
 MB 44 PG 121,
 LOT 6260

BRITTANY S. CROTEAU
 DB 30562 PG 350
 MB 38 PG 667, LOT 19511
 ALEXANDER CHASE
 HOMEOWNERS ASSOCIATION, INC.
 DB 17224 PG 59
 MB 38 PG 667, COS

24
 ALEXANDER CHASE
 HOMEOWNERS
 ASSOCIATION, INC.
 DB 26009 PG 35
 MB 46 PG 955, COS "A"

DORIS MENDIOLA
 DOMINICK S. MENDIOLA
 DB 21377 PG 54
 MB 45 PG 531, LOT 6270

20
 MECKLENBURG COUNTY
 DB 23232 PG 739
 MB 49 PG 595-597, LOTS E, G, M, O

MATCHLINE -L- STA 86+50 (SHEET EC-9/CONST.9)

UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK
 INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON
 THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
 AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
 DRAINAGE OUTLETS.

5/14/99
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 3/12/2024

CULVERT CONSTRUCTION SEQUENCE

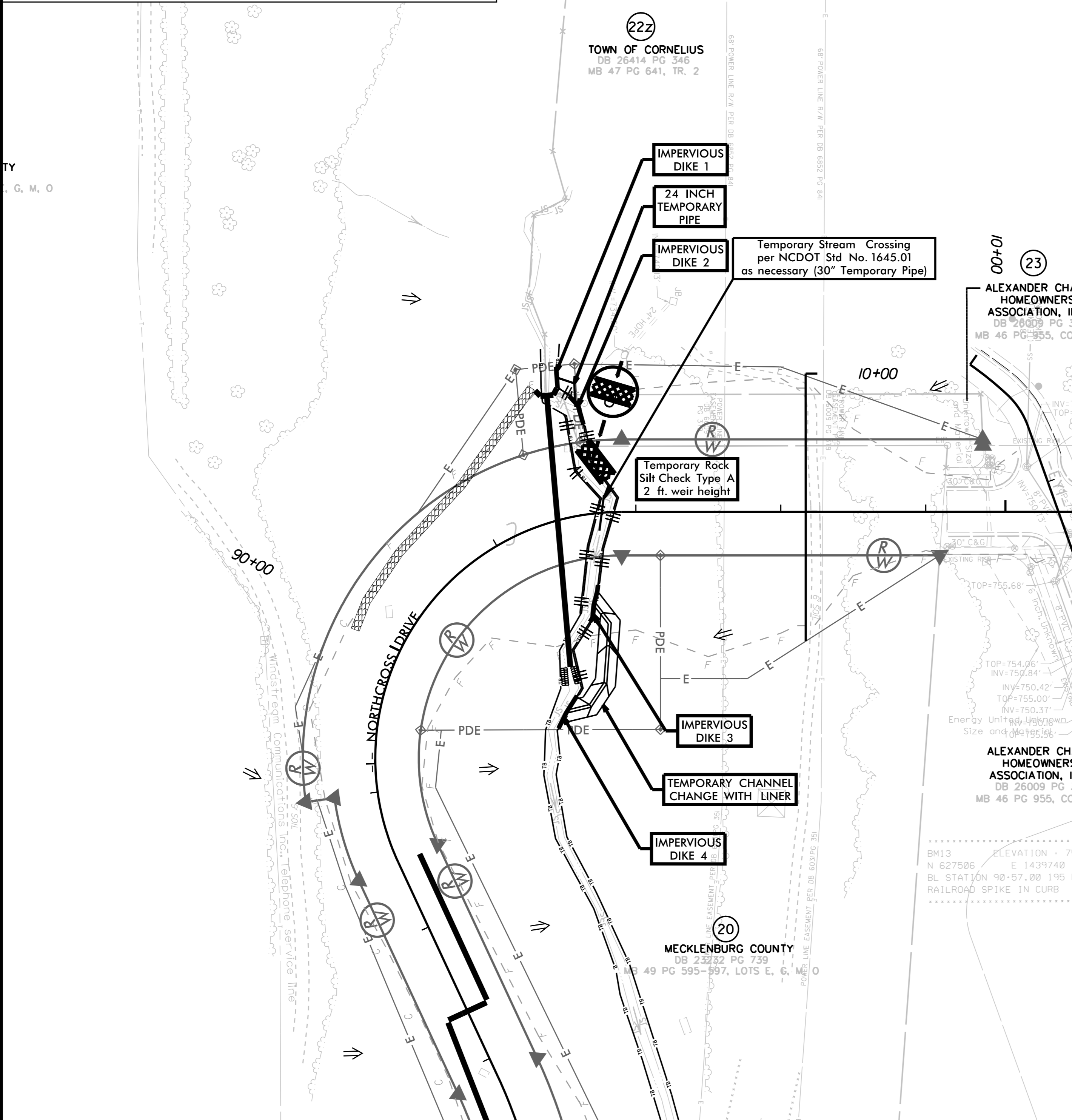
STA. 91+46 -L-

INCOMPLETE PLANS
 DO NOT USE FOR R/W ACQUISITION

STAGE I

CULVERT CONSTRUCTION SEQUENCE Stage I

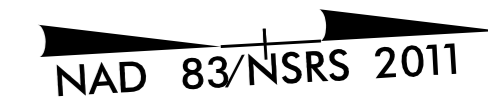
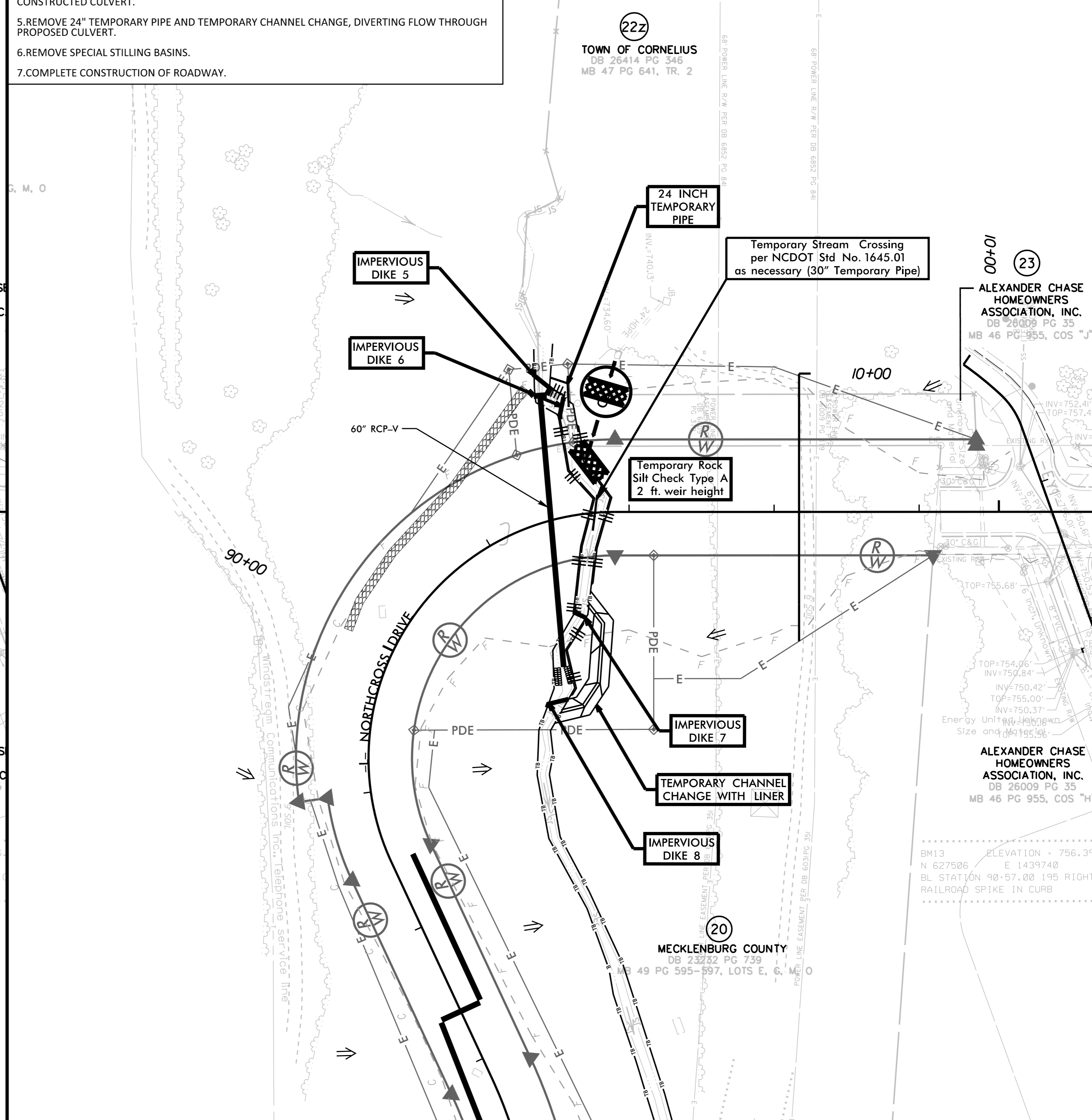
1. UTILIZE SPECIAL STILLING BASINS AS NEEDED THROUGHOUT CULVERT INSTALLATION.
2. CONSTRUCT IMPERVIOUS DIKES 1-4 TO PROTECT WORK AREA FOR 24" TEMPORARY PIPE AND TEMPORARY CHANNEL.
3. CONSTRUCT TEMPORARY CHANNEL CHANGE WITH LINER (2 FT BASE, 2 FT DEEP, 3:1 SIDE SLOPES) AND 24" TEMPORARY PIPE.
4. REMOVE IMPERVIOUS DIKES 1-4.



STAGE II

CULVERT CONSTRUCTION SEQUENCE Stage II

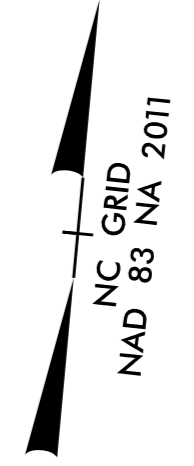
1. CONSTRUCT IMPERVIOUS DIKES 5-8, DIVERTING FLOW THROUGH THE 24" TEMPORARY PIPE AND TEMPORARY CHANNEL CHANGE.
2. DEWATER ENTRAPPED AREA AND CONSTRUCT PROPOSED 60" RPC CULVERT AND HEADWALLS IN THE DRY ACCORDING TO PLANS. AREA TO BE DEWATERED SHALL BE EQUAL TO ONE DAY'S WORK.
3. EXCAVATE ANY ACCUMULATED SILT AND DEWATER BEFORE REMOVAL OF IMPERVIOUS DIKES.
4. REMOVE IMPERVIOUS DIKES (DOWNSTREAM DIKES FIRST), ALLOWING FLOW THROUGH NEWLY CONSTRUCTED CULVERT.
5. REMOVE 24" TEMPORARY PIPE AND TEMPORARY CHANNEL CHANGE, DIVERTING FLOW THROUGH PROPOSED CULVERT.
6. REMOVE SPECIAL STILLING BASINS.
7. COMPLETE CONSTRUCTION OF ROADWAY.



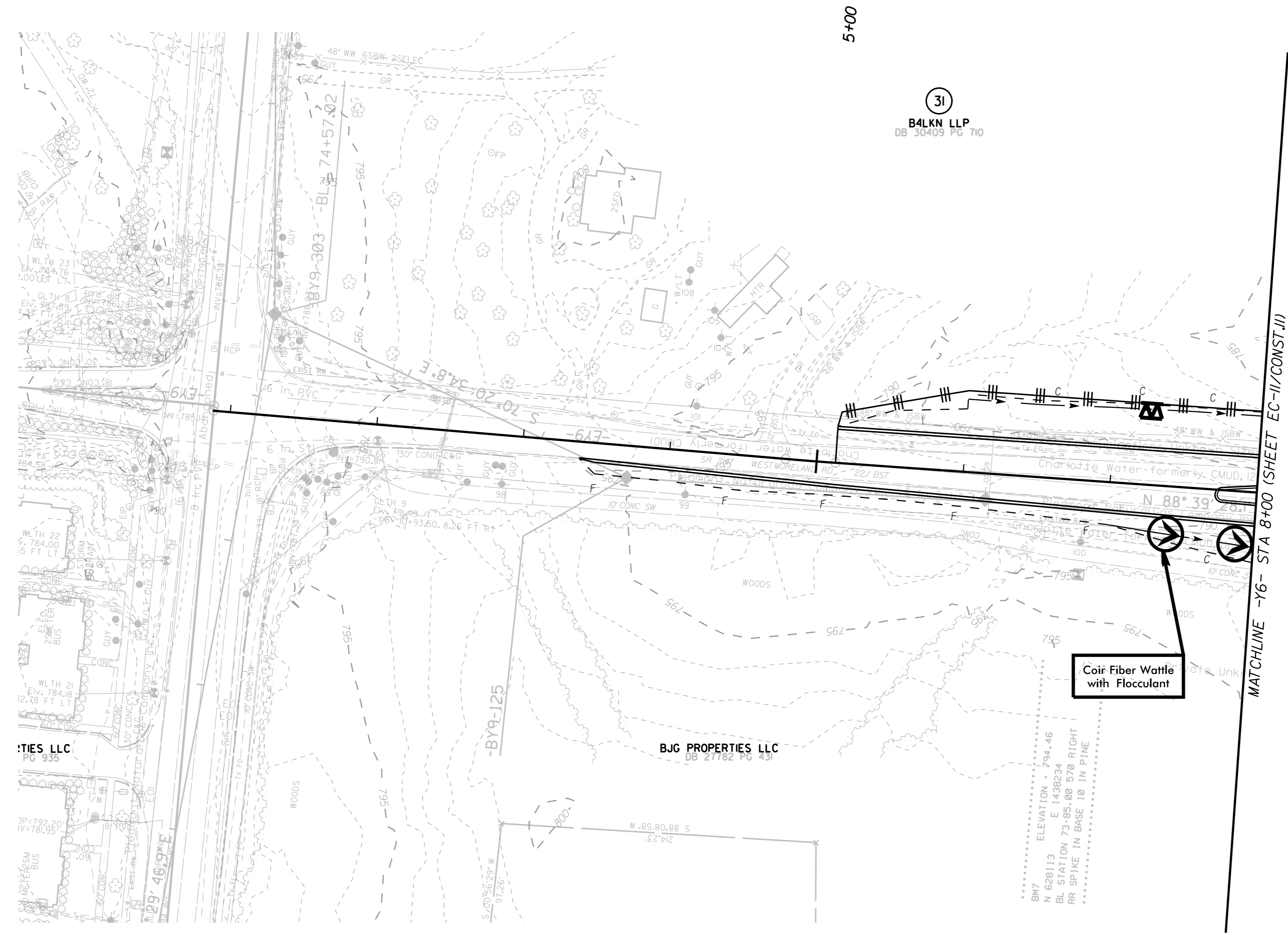
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3/13/2024



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10A

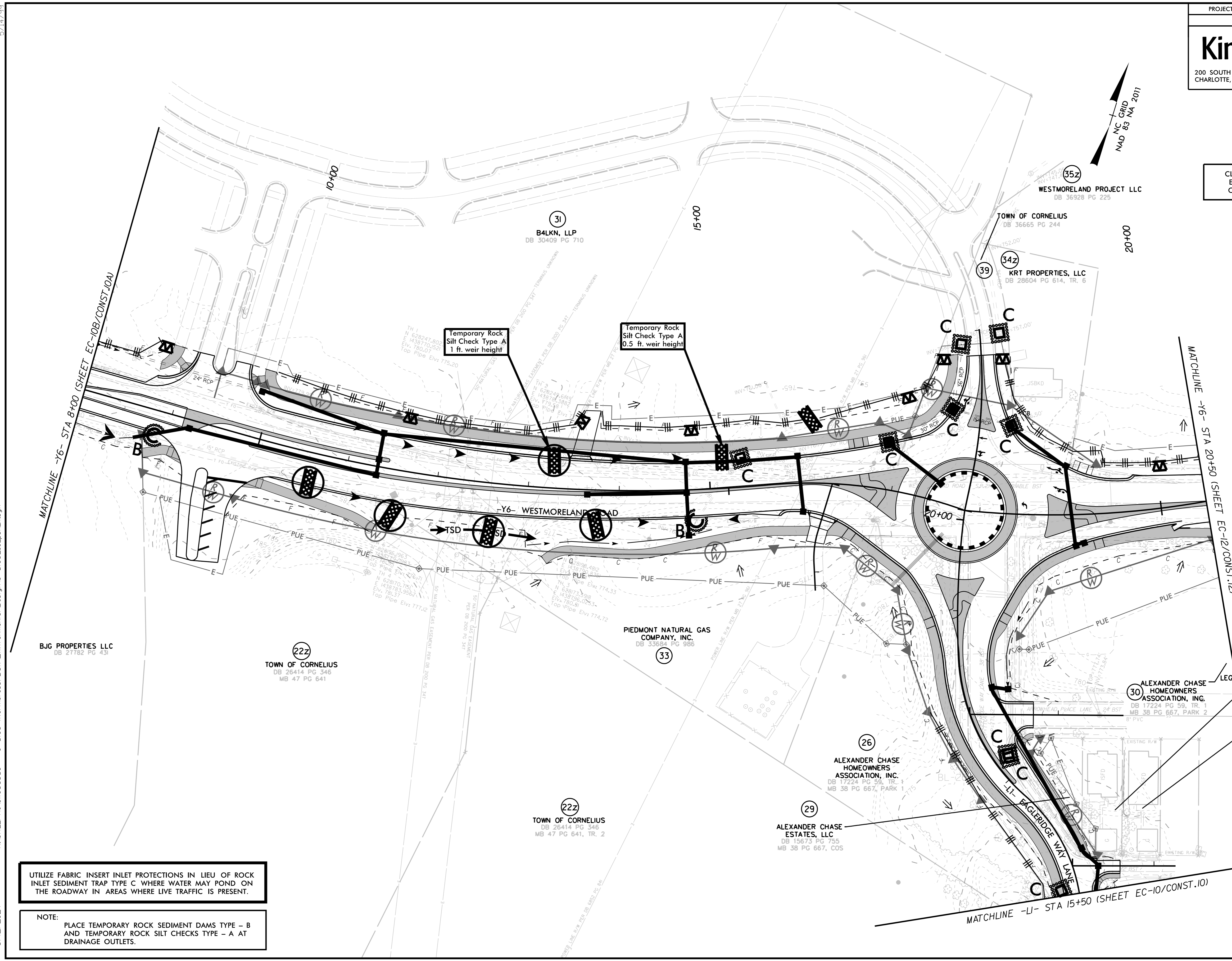


UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

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 3/12/2024

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

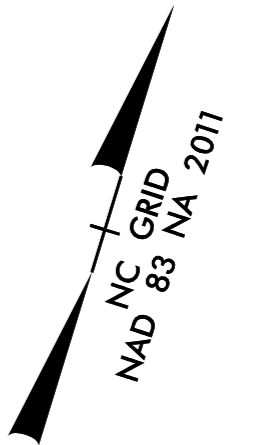


UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

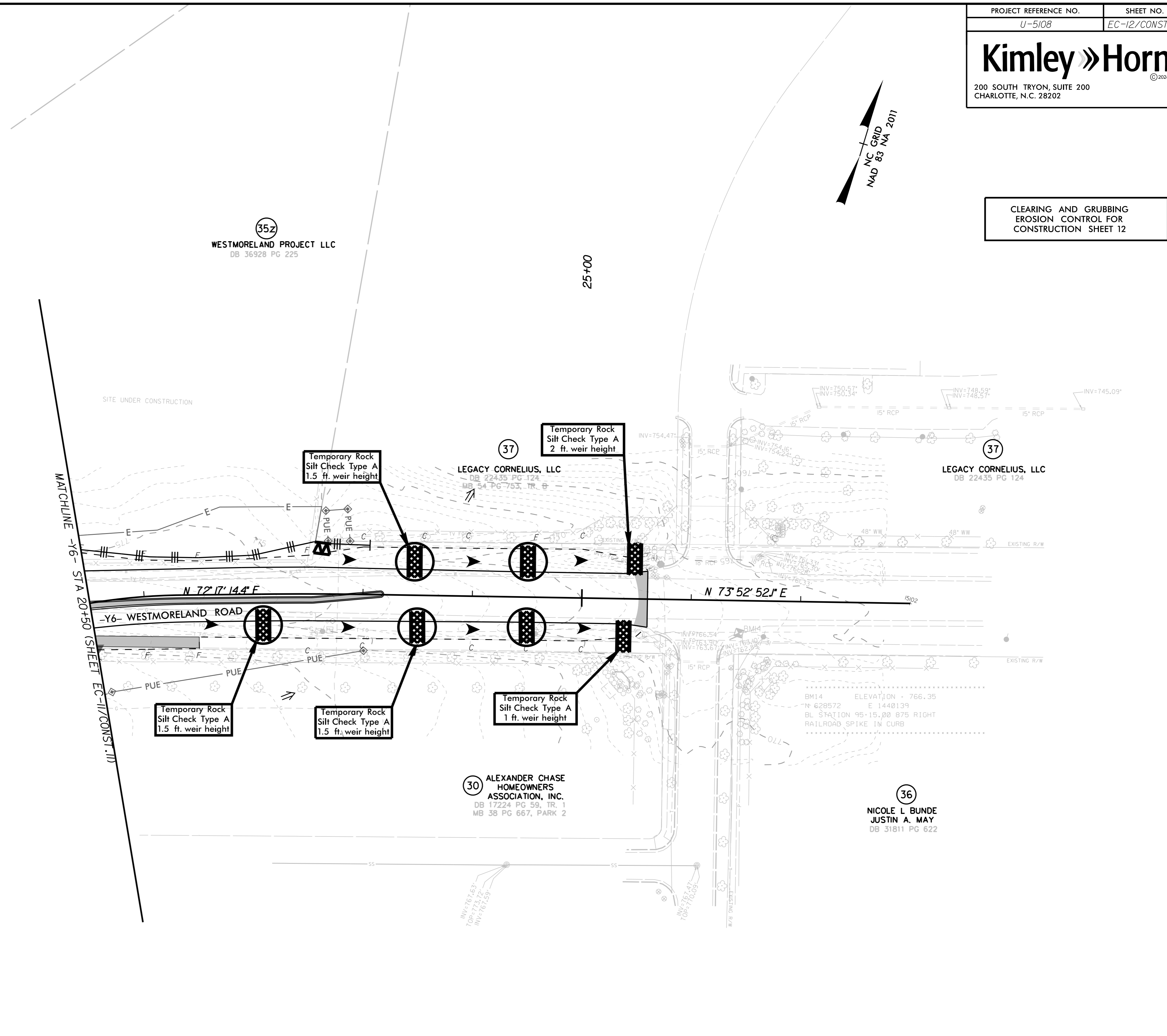
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

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3/12/2024

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 12

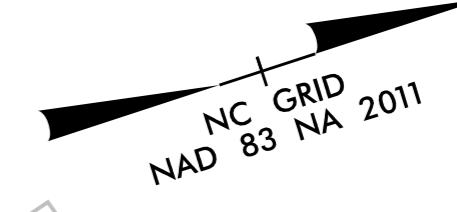


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 3/12/2024

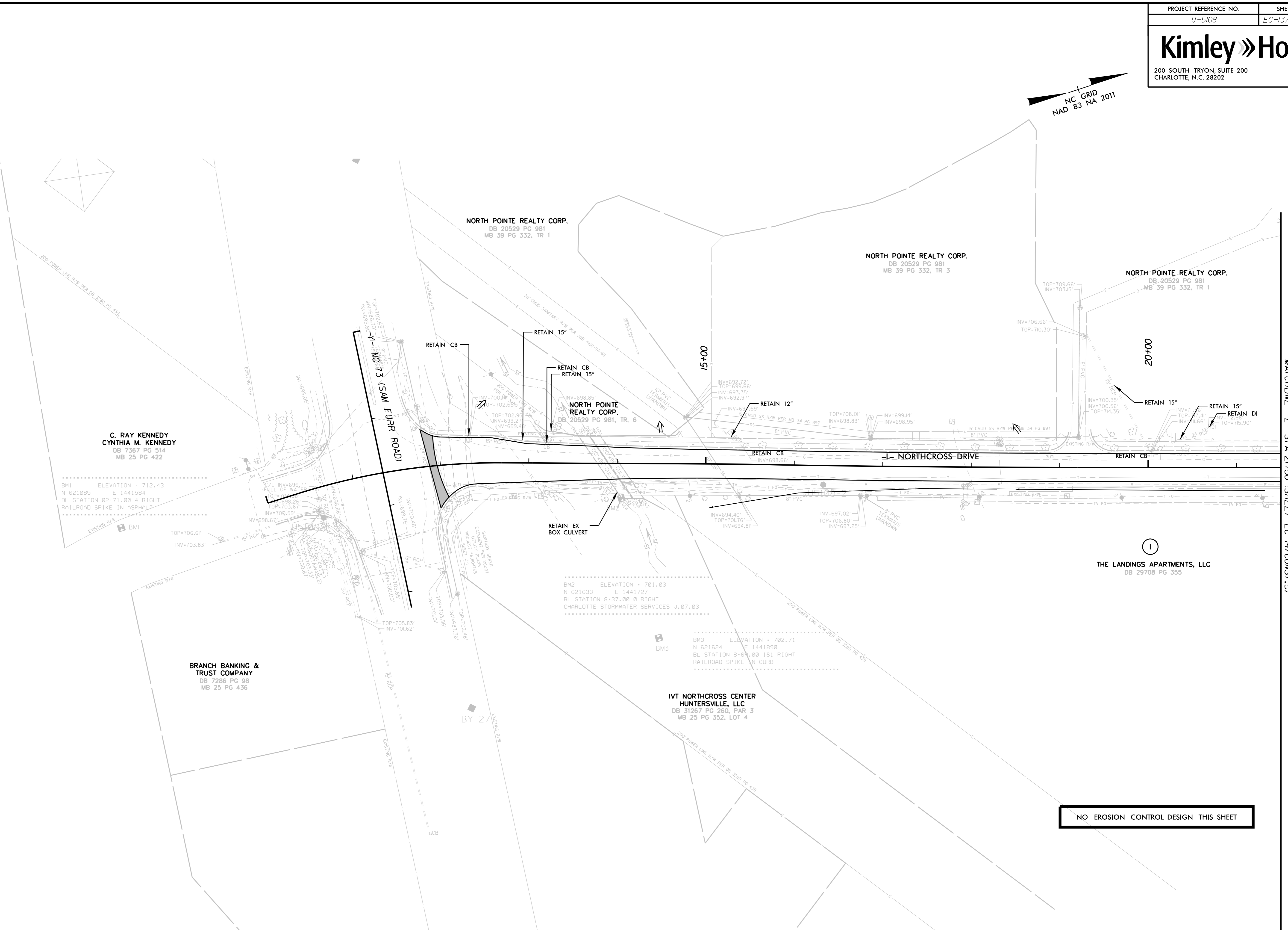


UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

NOTE:
 PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

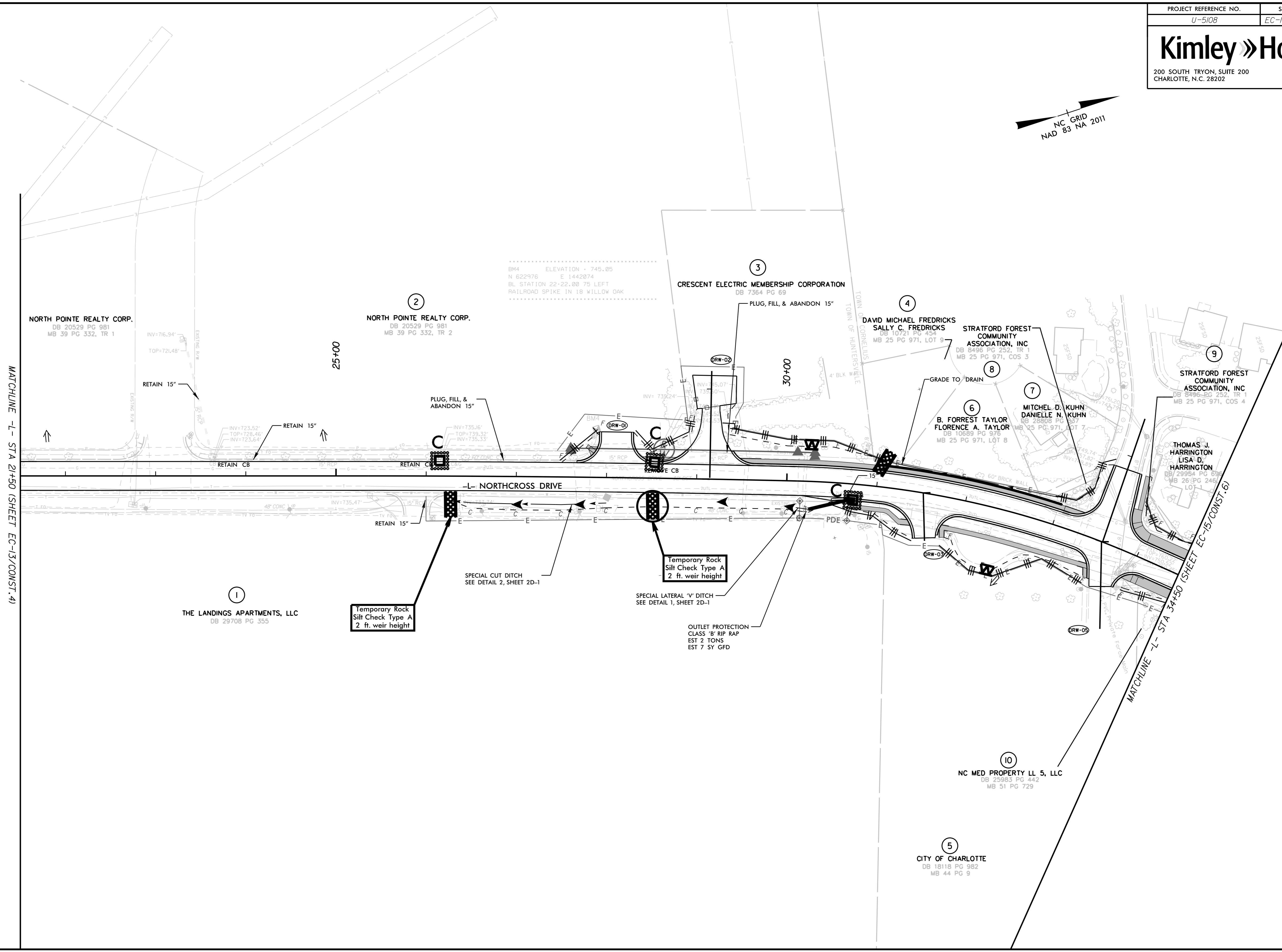
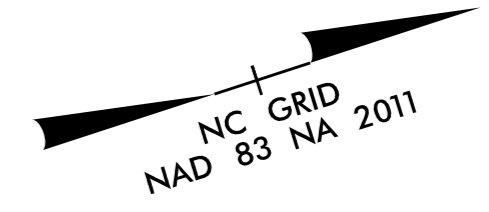


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 3/12/2024



MATCHLINE - STA 21+50 (SHEET EC-14/CONST. 5)

NO EROSION CONTROL DESIGN THIS SHEET



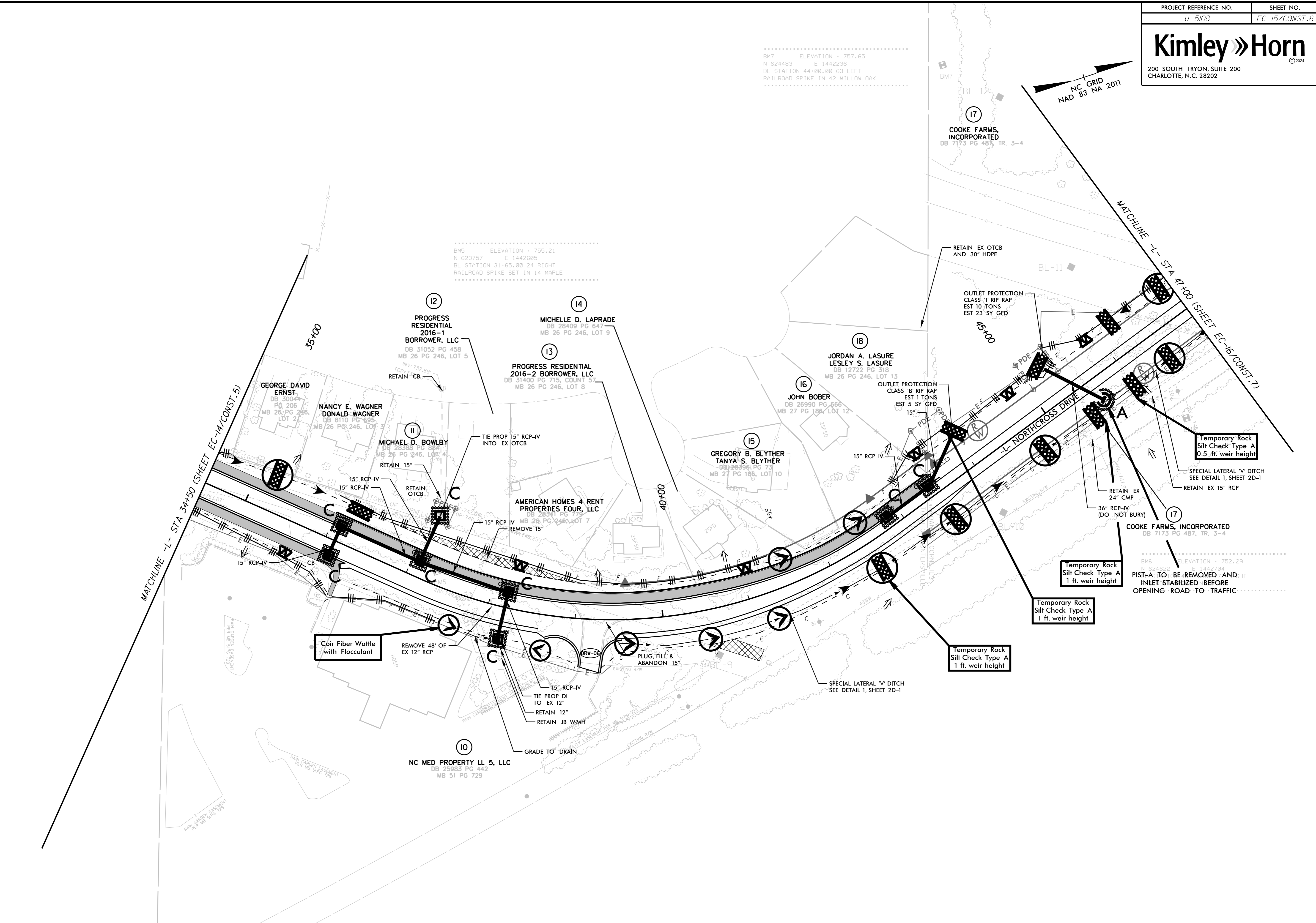
..... ELEVATION = 745.05
 BM4 N 622976 E 1442074
 BL STATION 22+22.00 75 LEFT
 RAILROAD SPIKE IN 18 WILLOW OAK

MATCHLINE -L- STA 21+50 (SHEET EC-13/CONST.4)

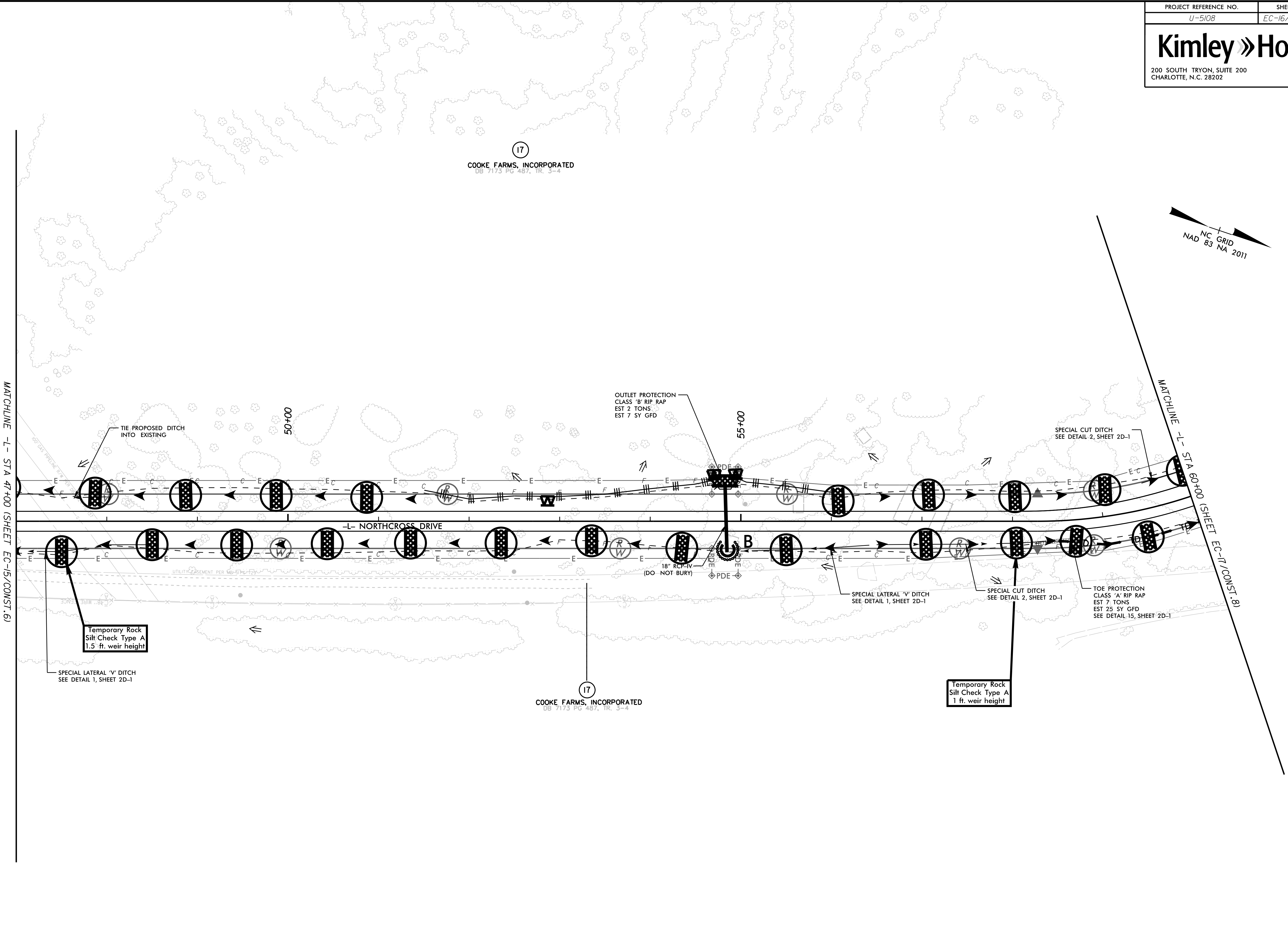
MATCHLINE -L- STA 34+50 (SHEET EC-15/CONST.6)

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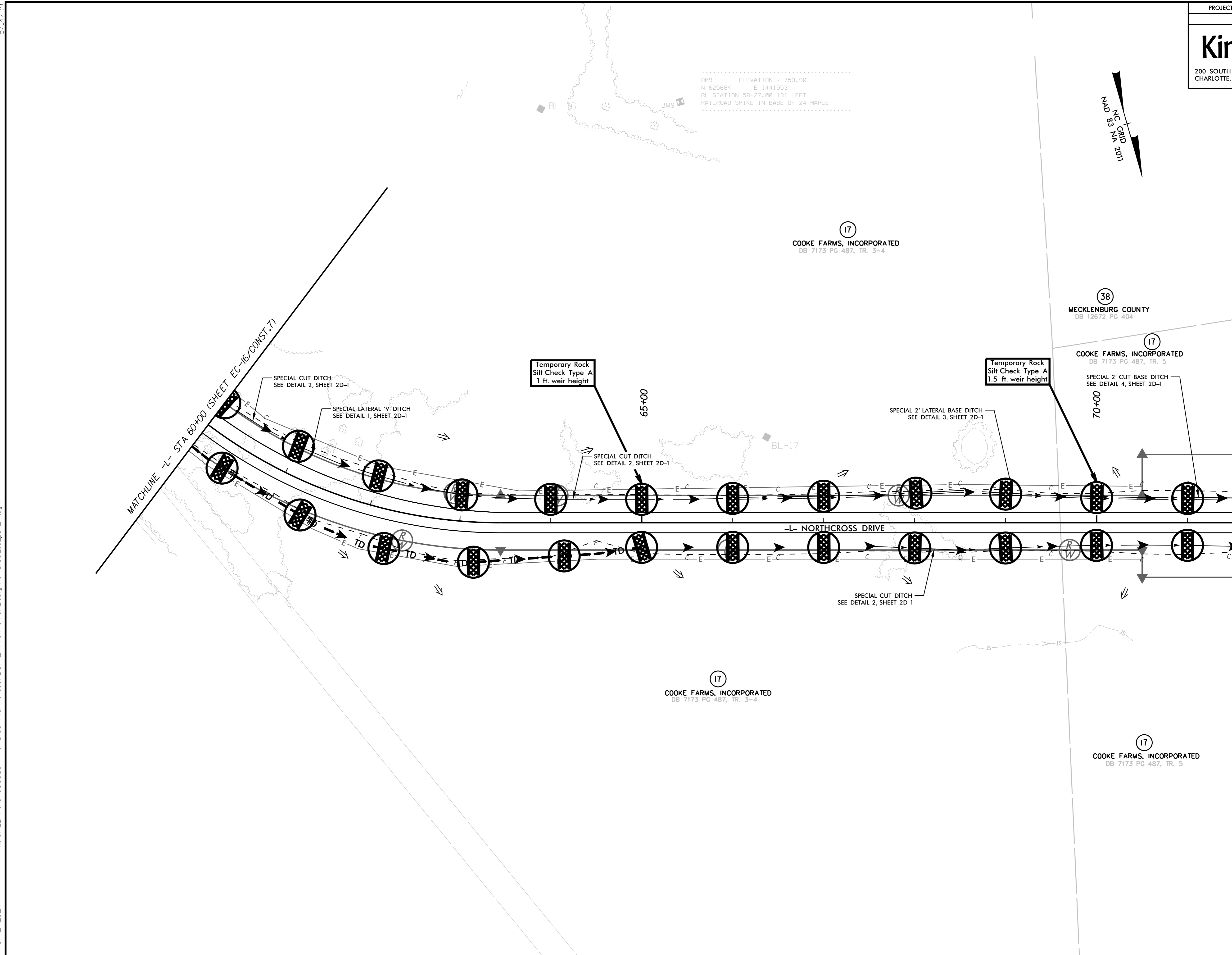
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3/12/2024

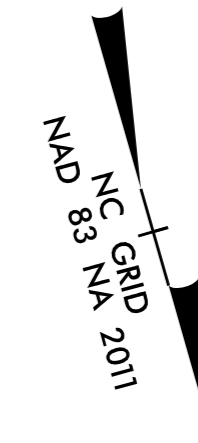


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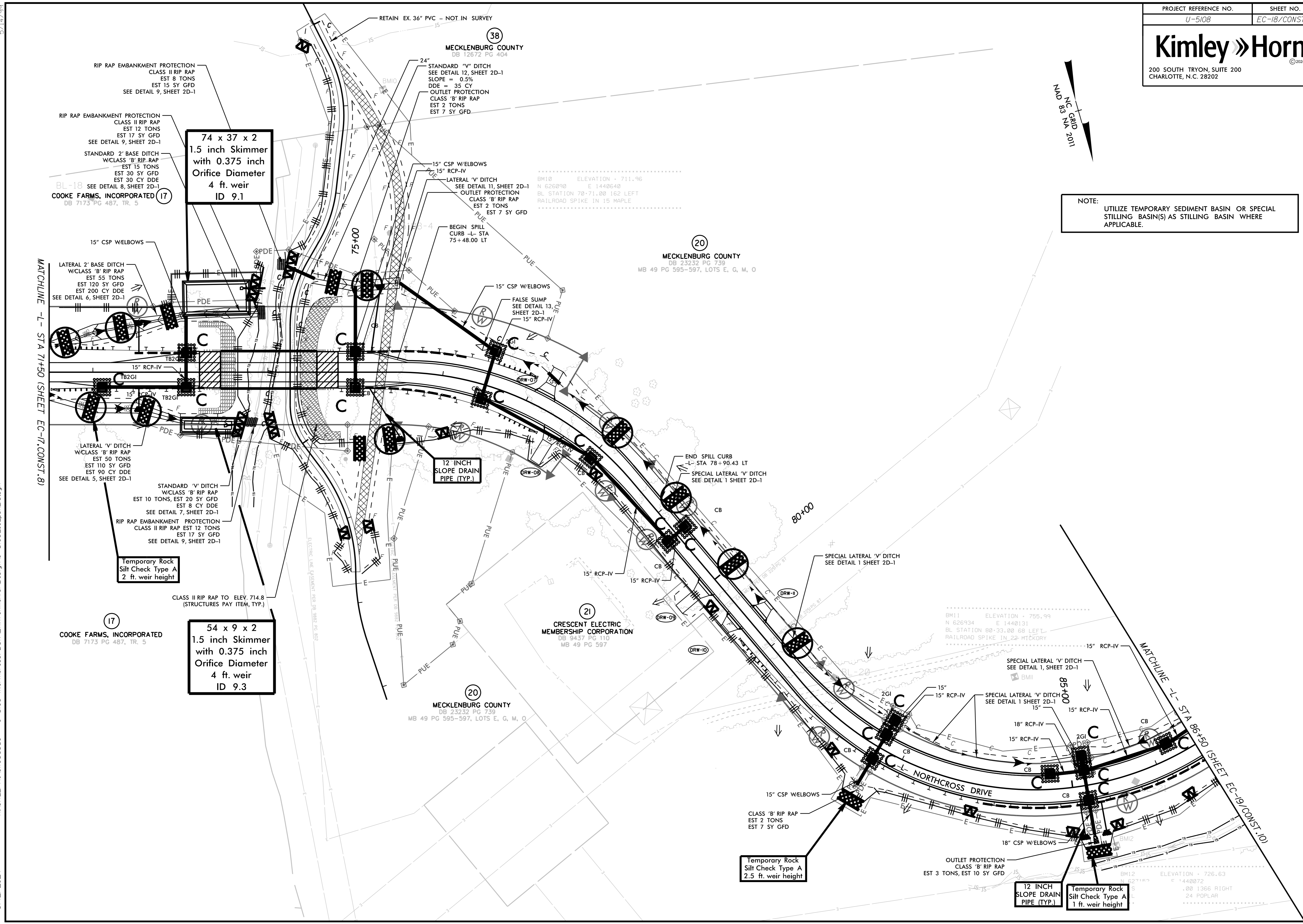


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 3/12/2024





NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.



74 x 37 x 2
 1.5 inch Skimmer
 with 0.375 inch
 Orifice Diameter
 4 ft. weir
 ID 9.1

BL-18 SEE DETAIL 8, SHEET 2D-1
 COOKE FARMS, INCORPORATED
 DB 7173 PG 487, TR. 5

Temporary Rock
 Silt Check Type A
 2 ft. weir height

COOKE FARMS, INCORPORATED
 DB 7173 PG 487, TR. 5

54 x 9 x 2
 1.5 inch Skimmer
 with 0.375 inch
 Orifice Diameter
 4 ft. weir
 ID 9.3

CLASS II RIP RAP TO ELEV. 714.8
 (STRUCTURES PAY ITEM, TYP.)

MECKLENBURG COUNTY
 DB 23232 PG 739
 MB 49 PG 595-597, LOTS E, G, M, O

CRESCENT ELECTRIC
 MEMBERSHIP CORPORATION
 DB 9437 PG 110
 MB 49 PG 597

MECKLENBURG COUNTY
 DB 23232 PG 739
 MB 49 PG 595-597, LOTS E, G, M, O

BM10 ELEVATION = 711.96
 N 626090 E 1440640
 BL STATION 70+71.00 162 LEFT
 RAILROAD SPIKE IN 15 MAPLE

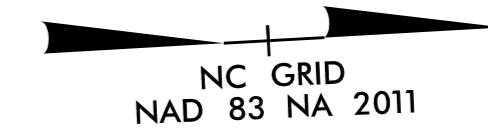
BM11 ELEVATION = 755.99
 N 626934 E 1440131
 BL STATION 80+33.00 69 LEFT
 RAILROAD SPIKE IN 22 HICKORY

BM12 ELEVATION = 726.63
 N 627160 E 1440072
 .00 1366 RIGHT
 24 POPLAR

MATCHLINE -L- STA 71+50 (SHEET EC-17, CONST. 8)

MATCHLINE -L- STA 86+50 (SHEET EC-19, CONST. 10)

5/14/99
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20
 MECKLENBURG COUNTY
 DB 23232 PG 739
 MB 49 PG 595-597, LOTS E, G, M, O

22z
 TOWN OF CORNELIUS
 DB 26414 PG 346
 MB 47 PG 641, TR. 2

26
 ALEXANDER CHASE HOMEOWNERS ASSOCIATION, INC.
 DB 17224 PG 59, TR. 1
 MB 38 PG 667, PARK 1

23
 ALEXANDER CHASE HOMEOWNERS ASSOCIATION, INC.
 DB 26009 PG 35
 MB 46 PG 955, COS "J"

ALEXANDER CHASE HOMEOWNERS ASSOCIATION, INC.
 DB 26009 PG 35
 MB 46 PG 955, COS

ALEXANDER CHASE HOMEOWNERS ASSOCIATION, INC.
 DB 19484 PG 158
 MB 44 PG 121, COS 2

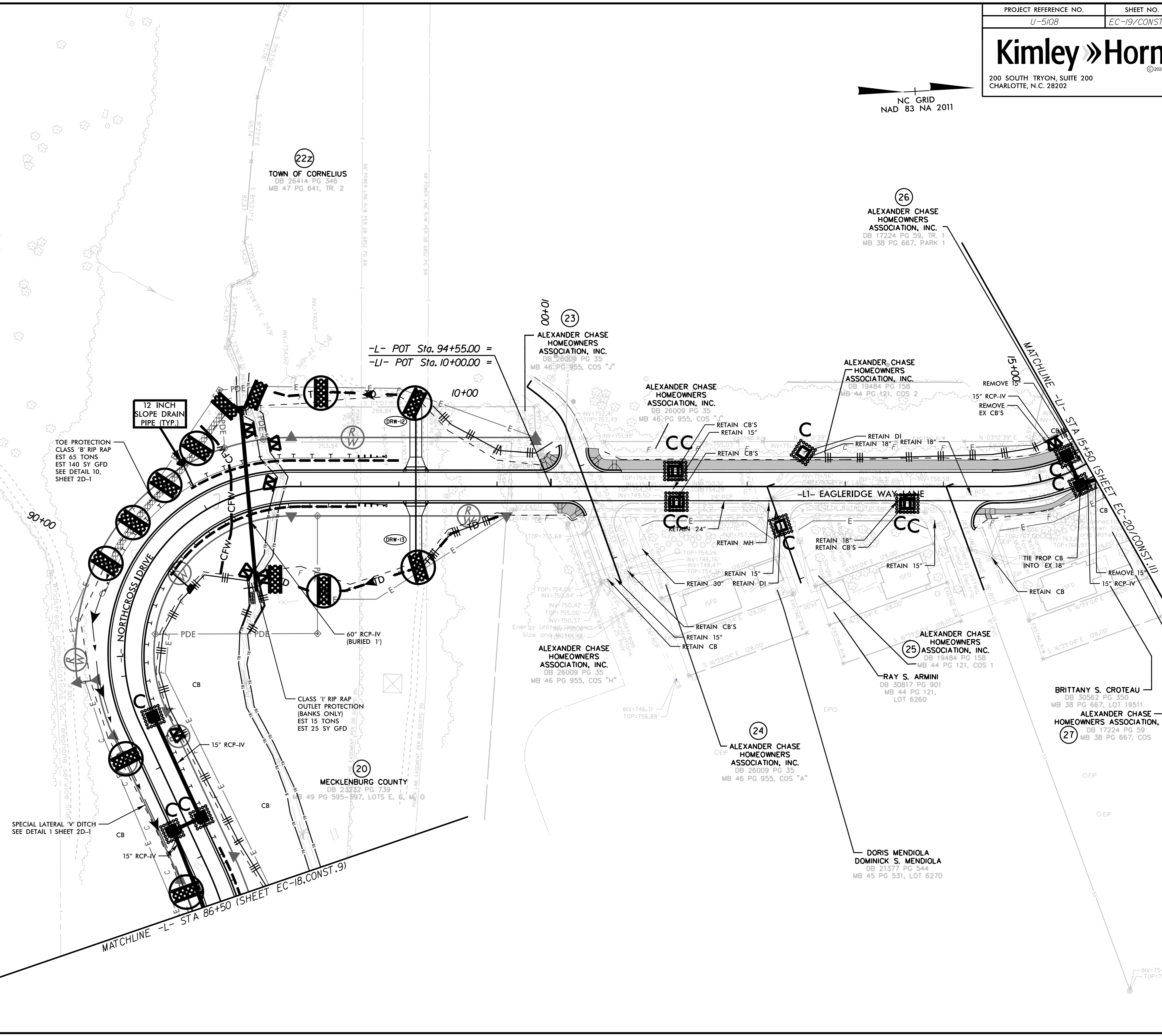
ALEXANDER CHASE HOMEOWNERS ASSOCIATION, INC.
 DB 26009 PG 35
 MB 46 PG 955, COS "H"

25
 ALEXANDER CHASE HOMEOWNERS ASSOCIATION, INC.
 DB 19484 PG 158
 MB 44 PG 121, COS 1

24
 ALEXANDER CHASE HOMEOWNERS ASSOCIATION, INC.
 DB 26009 PG 35
 MB 46 PG 955, COS "A"

DORIS MENDIOLA
 DOMINICK S. MENDIOLA
 MB 45 PG 531, LOT 6270

BRITTANY S. CROTEAU
 DB 30562 PG 350
 MB 38 PG 667, LOT 19511
 ALEXANDER CHASE HOMEOWNERS ASSOCIATION, INC.
 DB 17224 PG 59
 MB 38 PG 667, COS



-L- POT Sta. 94+55.00 =
 -LI- POT Sta. 10+00.00 =

12 INCH SLOPE DRAIN PIPE (TYP.)

TOE PROTECTION CLASS 'B' RIP RAP EST 65 TONS EST 140 SY GFD SEE DETAIL 10, SHEET 2D-1

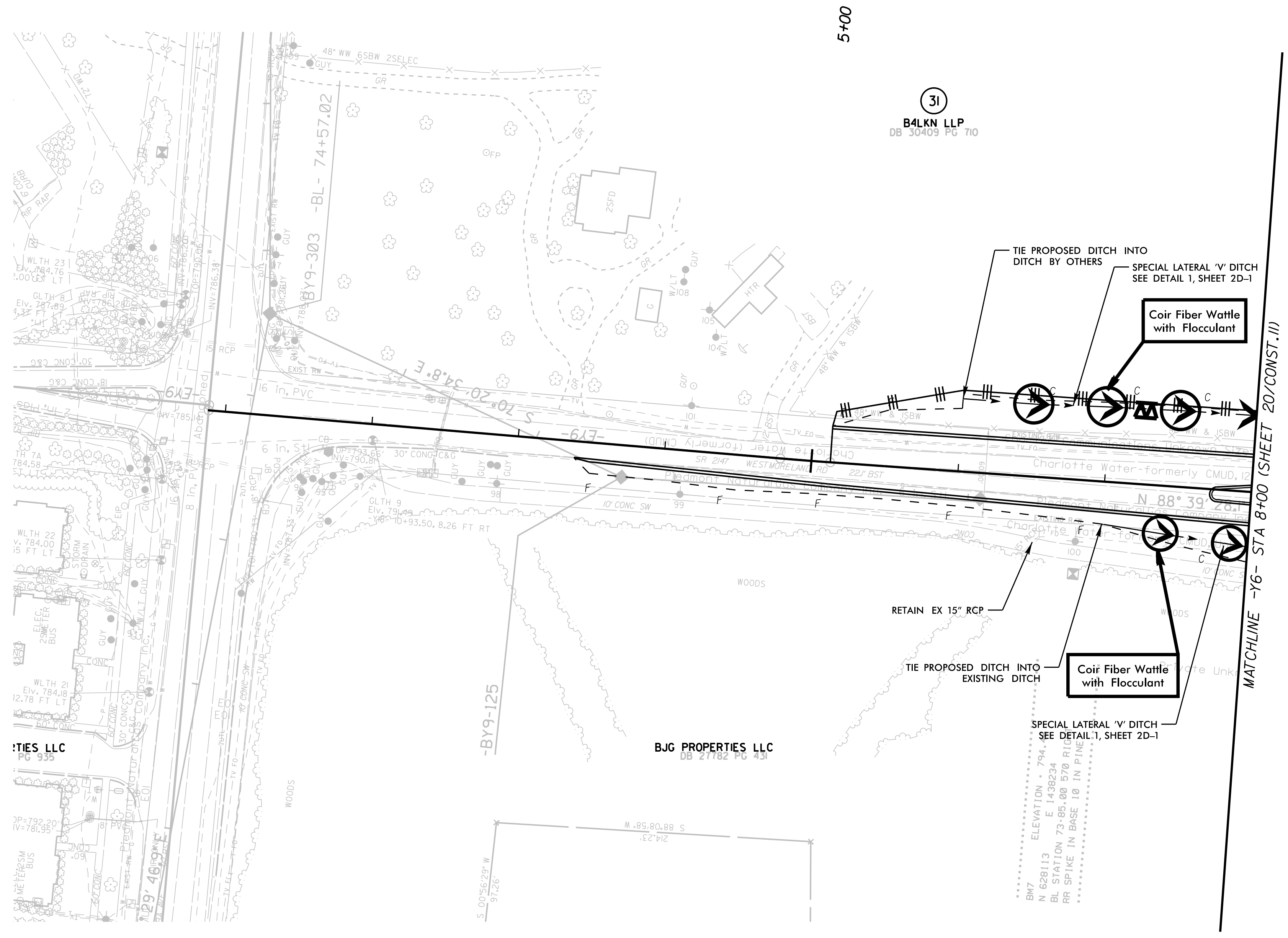
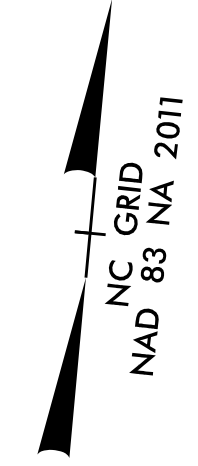
CLASS '1' RIP RAP OUTLET PROTECTION (BANKS ONLY) EST 15 TONS EST 25 SY GFD

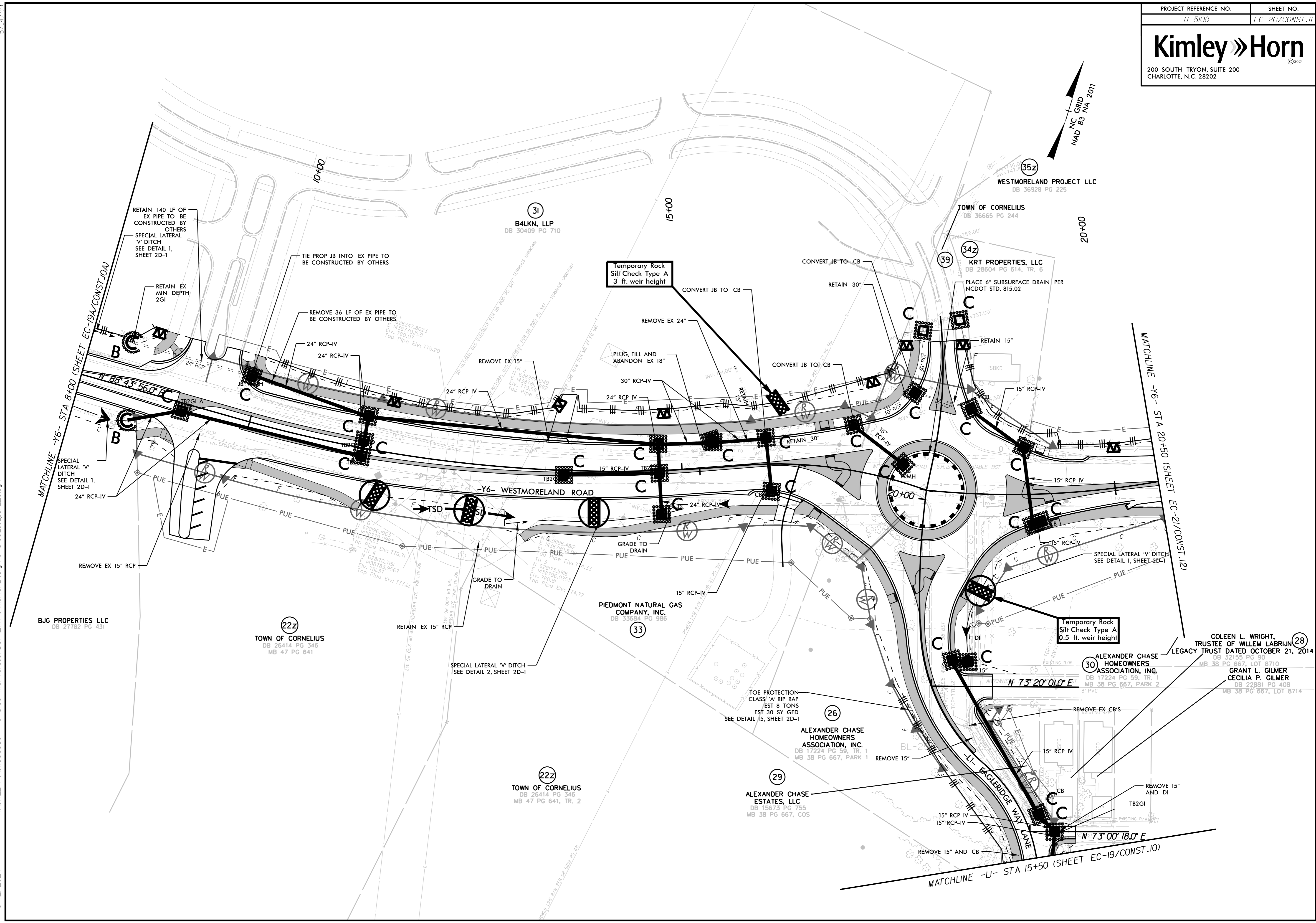
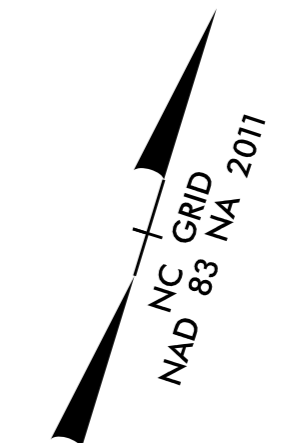
SPECIAL LATERAL 'V' DITCH SEE DETAIL 1 SHEET 2D-1

MATCHLINE -L- STA 86+50 (SHEET EC-18.CONST.9)

MATCHLINE -LI- STA 15+50 (SHEET EC-20/CONST.11)

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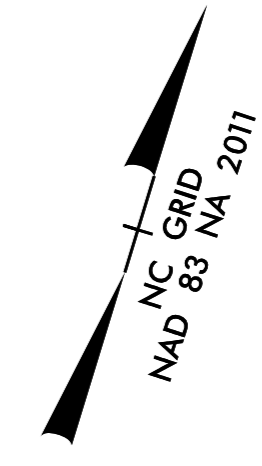


MATCHLINE -Y6- STA 8+00 (SHEET EC-19A/CONST.10A)

MATCHLINE -Y6- STA 20+50 (SHEET EC-21/CONST.12)

MATCHLINE -U- STA 15+50 (SHEET EC-19/CONST.10)

5/14/2024
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 3/12/2024



5/14/99
 K:\CHL_PRA\01036359 - U-5108 (Northcross)\DS\Environmental\Design\U-5108.ec_psh_21.dgn
 3/12/2024

