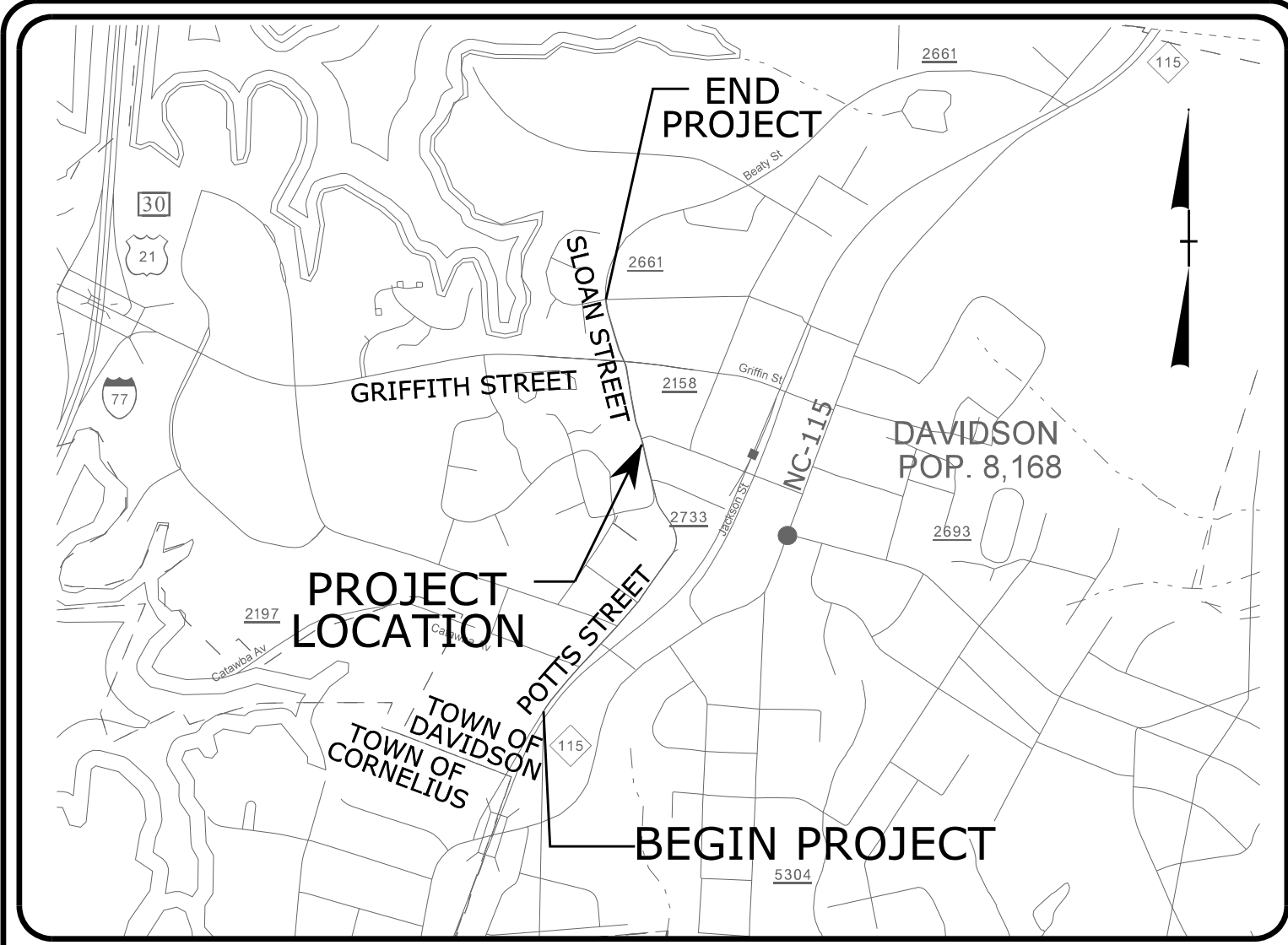


**TIP PROJECT: U-5907**

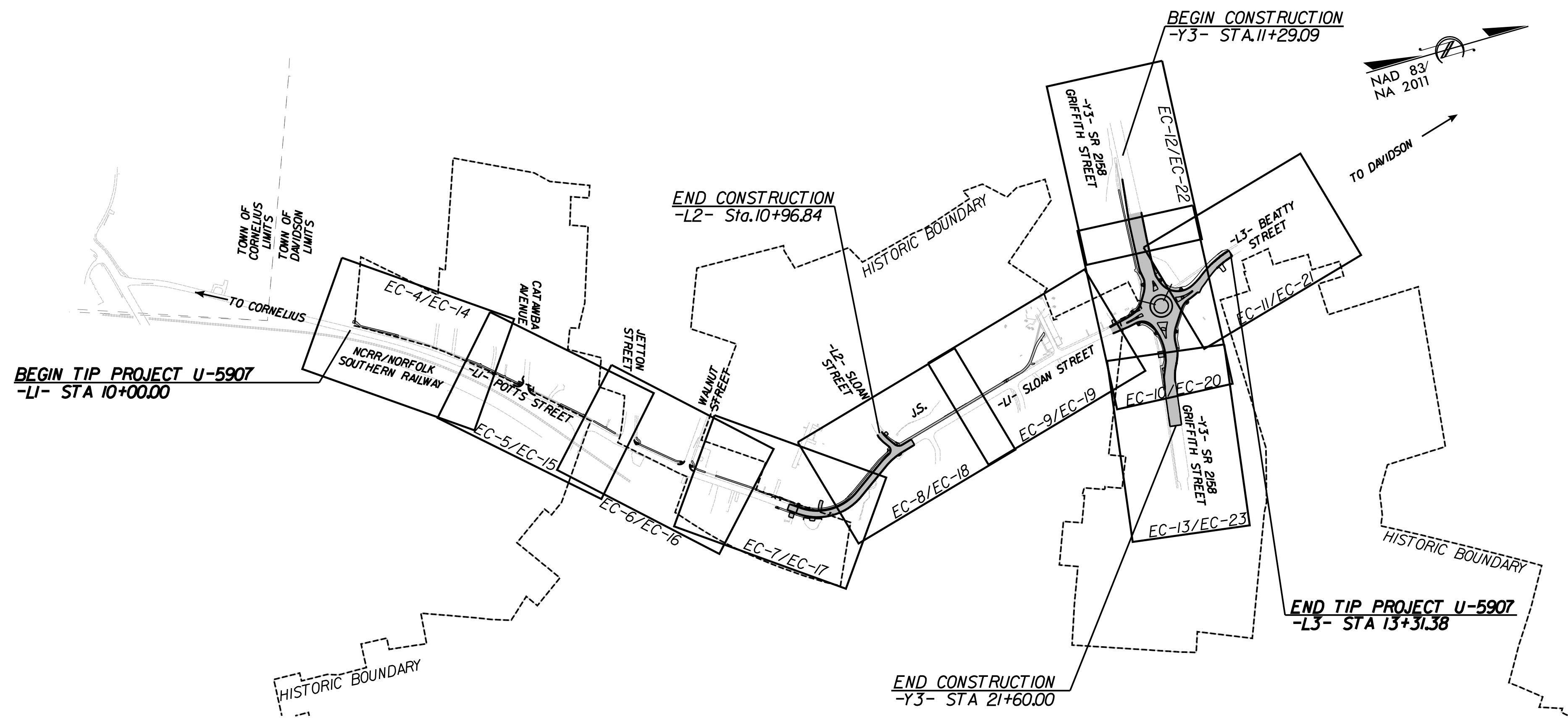


**VICINITY MAP**  
NOT TO SCALE

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

**LOCATION: POTTS-SLOAN-BEATTY CONNECTOR**

**TYPE OF WORK: PAVEMENT REMOVAL, DRAINAGE, PAVING CONCRETE ISLANDS, & THERMOPLASTIC PAVEMENT MARKINGS**



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5907	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

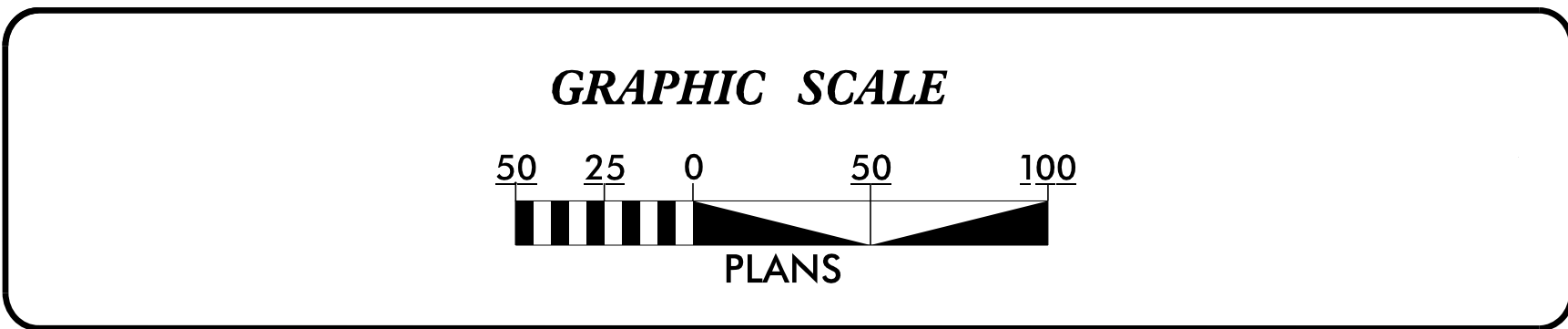
**EROSION AND SEDIMENT CONTROL MEASURES**

Std. #	Description	Symbol
1630.05	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	TF
1606.01	Special Sediment Control Fence	SCF
1622.01	Temporary Berms and Slope Drains	TBD
1630.02	Silt Basin Type B	SB
1633.01	Temporary Rock Silt Check Type-A	TRSCA
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	TRSCA-PAM
1633.02	Temporary Rock Silt Check Type-B	TRSCB
	Wattle / Coir Fiber Wattle	WF
	Wattle / Coir Fiber Wattle with Polyacrylamide (PAM)	WF-PAM
1634.01	Temporary Rock Sediment Dam Type-A	TRSDA
1634.02	Temporary Rock Sediment Dam Type-B	TRSDA-B
1635.01	Rock Pipe Inlet Sediment Trap Type-A	RPISTRA
1635.02	Rock Pipe Inlet Sediment Trap Type-B	RPISTRB
1630.04	Stilling Basin	SB
1630.06	Special Stilling Basin	SSB
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.05	Type C	C
	Skimmer Basin	SKB
	Tiered Skimmer Basin	TSKB
	Infiltration Basin	IB

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

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT  
Refer To E. C. Special Provisions for Special Considerations.



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.

**Kimley»Horn**

NC LICENSE #21102  
200 SOUTH TRYON STREET, SUITE 200  
CHARLOTTE, NORTH CAROLINA 28202  
PHONE: (704) 533-6151

Prepared in the Office of:  
**KIMLEY HORN**  
200 SOUTH TRYON STREET, SUITE 200  
CHARLOTTE, NORTH CAROLINA 28202

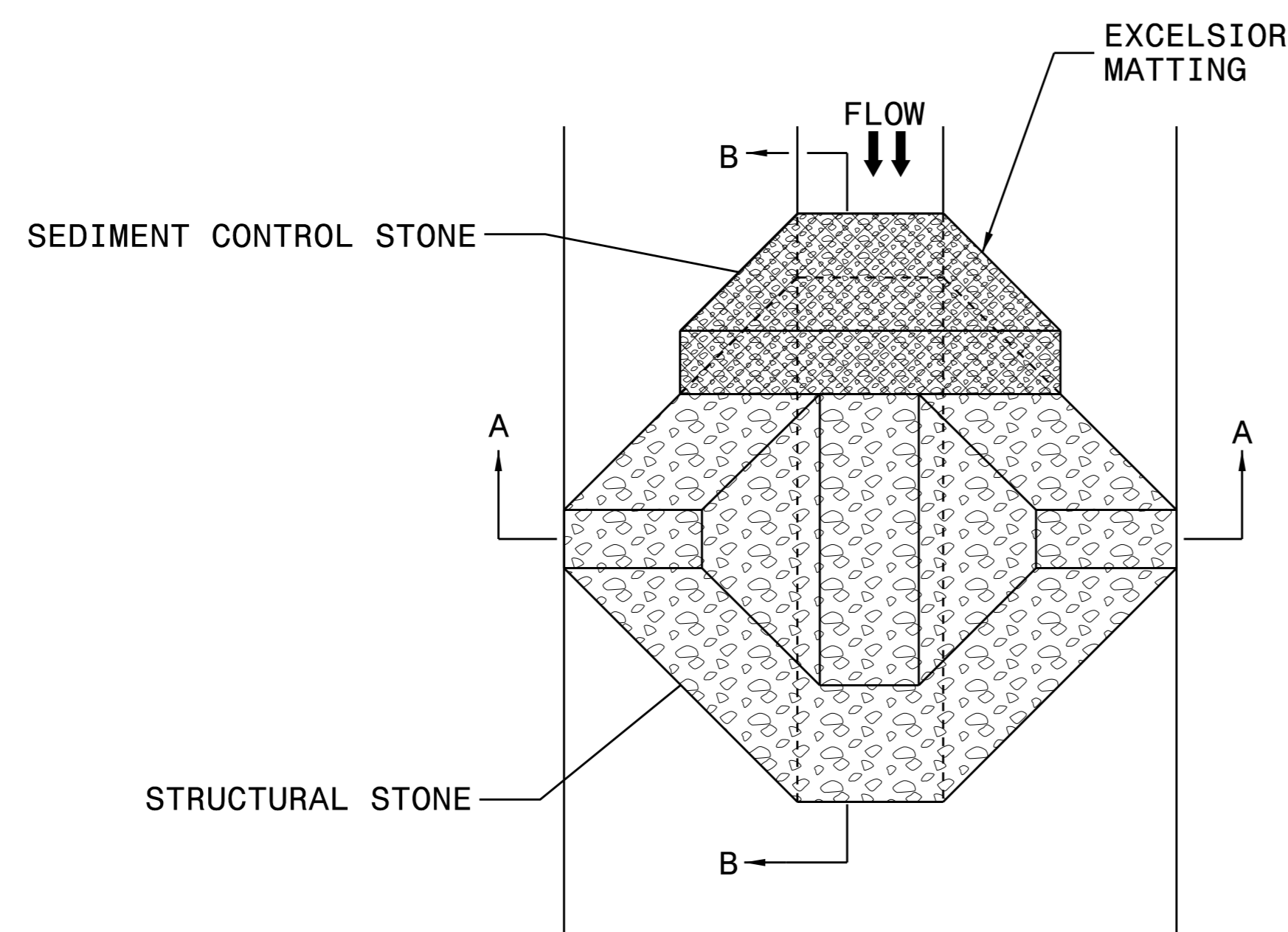
Designed by:  
**SPENCER GREEN, PE**      4244  
NAME      LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2018 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type B
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type B
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type B	1634.02 Temporary Rock Sediment Dam Type B
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type B
1630.05 Temporary Diversion	1640.01 Coir Fiber Baffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

# TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



PLAN

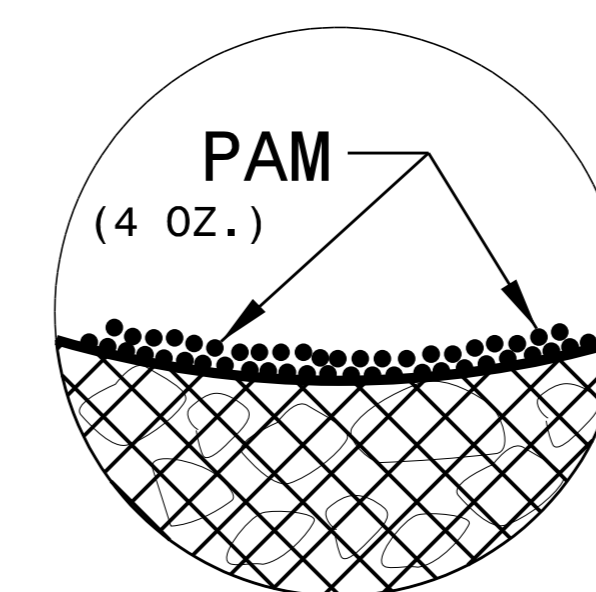
**NOTES:**

INSTALL TEMPORARY ROCK SILT CHECK TYPE A IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1633.01.

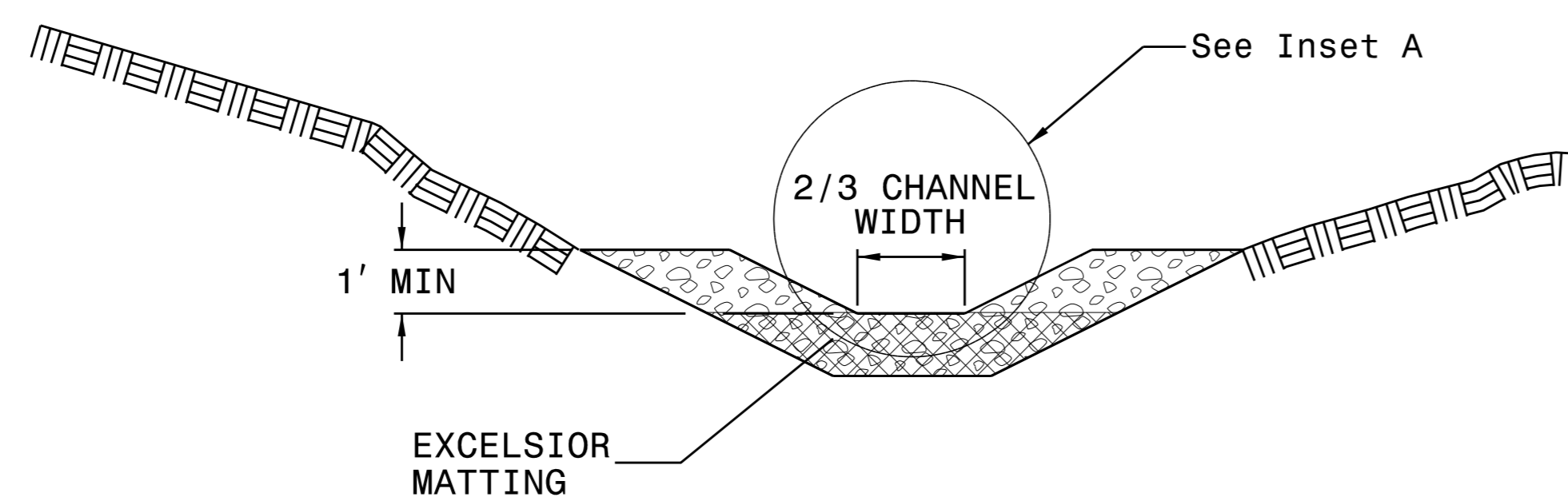
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH ROCK SILT CHECK.

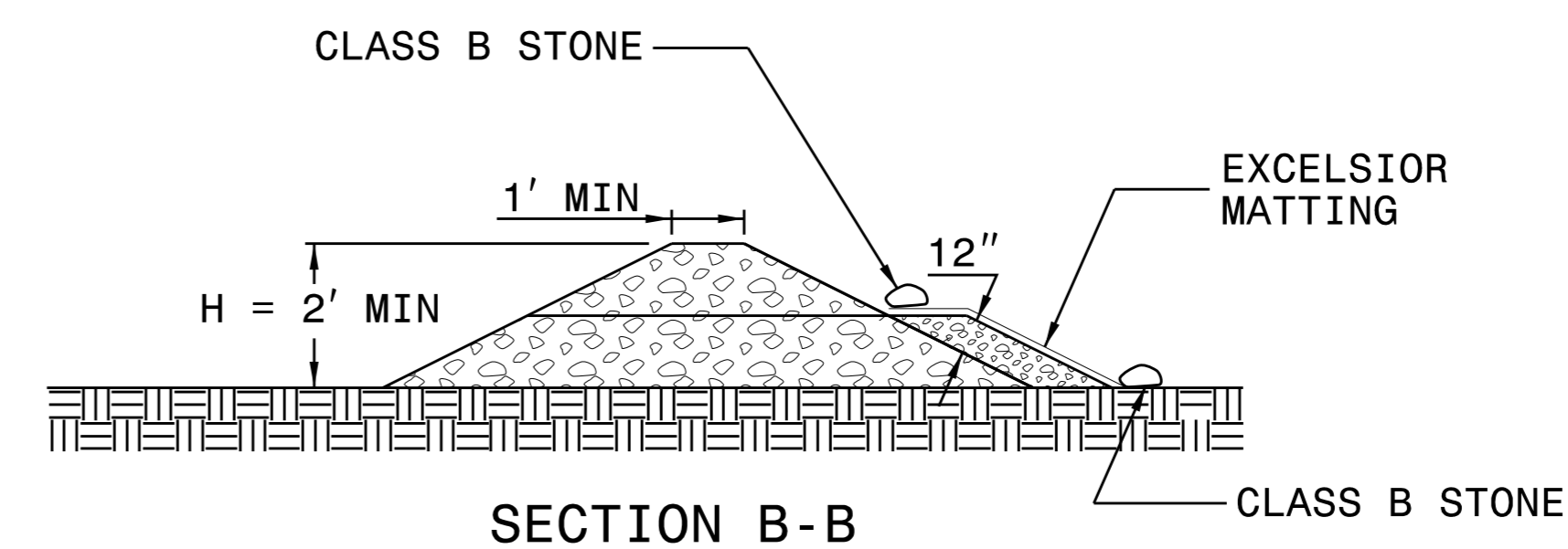
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A



SECTION B-B

NOT TO SCALE

REVISIONS

5/14/99

9/8/2023

5/14/99

PROJECT REFERENCE NO. SHEET NO.  
*U-5907 EC-3*

DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA



200 SOUTH TRYON, SUITE 200  
 CHARLOTTE, N.C. 28202

***SOIL STABILIZATION SUMMARY SHEET***

***MATTING FOR EROSION CONTROL***

***PSRM FOR EROSION CONTROL***

REVISIONS

<i>CONST SHEET NO.</i>	<i>LINE</i>	<i>FROM STATION</i>	<i>TO STATION</i>	<i>SIDE</i>	<i>ESTIMATE (SY)</i>
7/8	-L1-	30+20	30+50	RT	25
8	-L1-	30+50	32+00	RT	105
10/11	-L3-	11+11	12+00	RT	65
<i>SLOPES</i>					
17	-L1-	30+00	32+00	RT	605
<i>DITCHES SUBTOTAL</i>					195
<i>SLOPES SUBTOTAL</i>					605
<i>SUBTOTAL</i>					800
<i>MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER</i>					8015
<i>TOTAL</i>					8815
<i>SAY</i>					8825

<i>CONST SHEET NO.</i>	<i>LINE</i>	<i>FROM STATION</i>	<i>TO STATION</i>	<i>SIDE</i>	<i>ESTIMATE (SY)</i>
10	-L3-	10+48	11+04	RT	40
11	-L3-	12+00	13+26	RT	90
<i>SUBTOTAL</i>					130
<i>MISCELLANEOUS PSRM TO BE INSTALLED AS DIRECTED BY THE ENGINEER</i>					15
<i>TOTAL</i>					145
<i>SAY</i>					150

10/9/2023

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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# SOIL STABILIZATION TIMEFRAMES

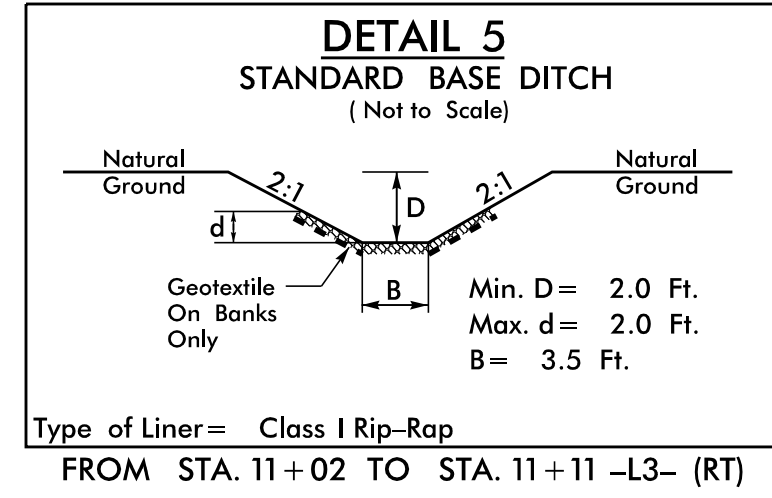
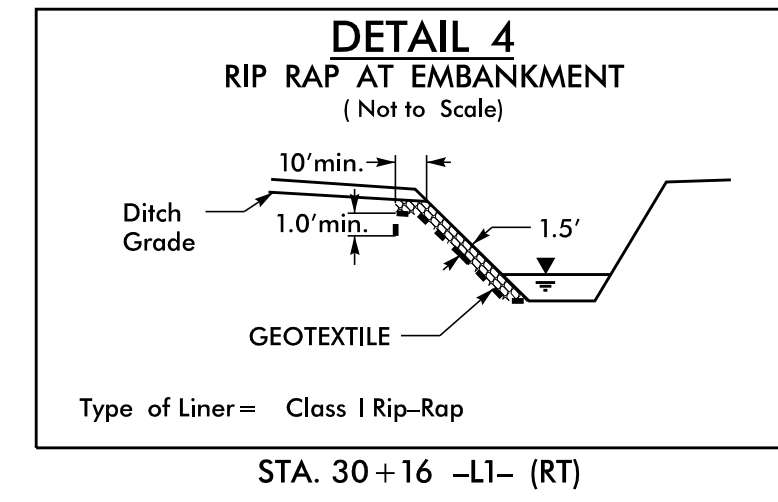
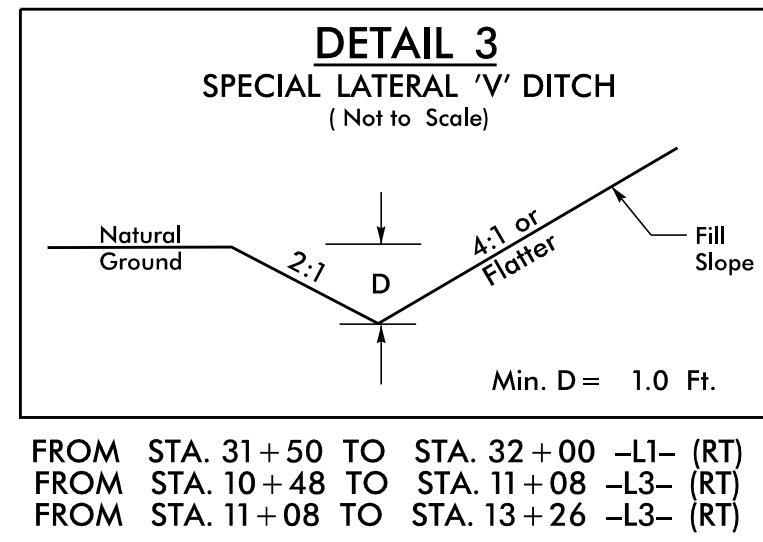
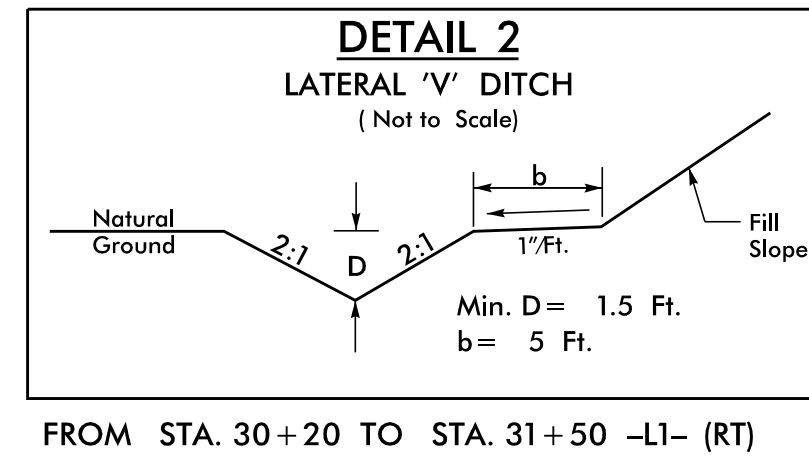
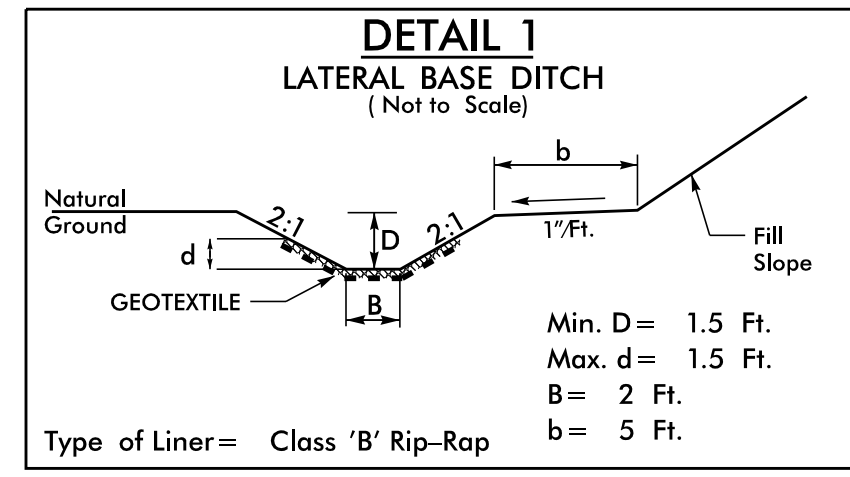
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS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

REVISIONS

5/14/99

9/8/2023

REVISIONS



**Kimley»Horn**

200 SOUTH TRYON, SUITE 200  
CHARLOTTE, N.C. 28202

RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO. SHEET NO.

U-5907

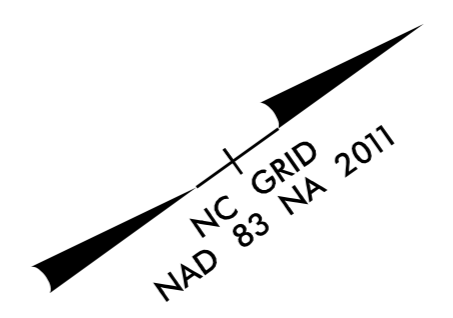
EC-3B

ROADWAY DESIGN  
ENGINEER

PAVEMENT DESIGN  
ENGINEER



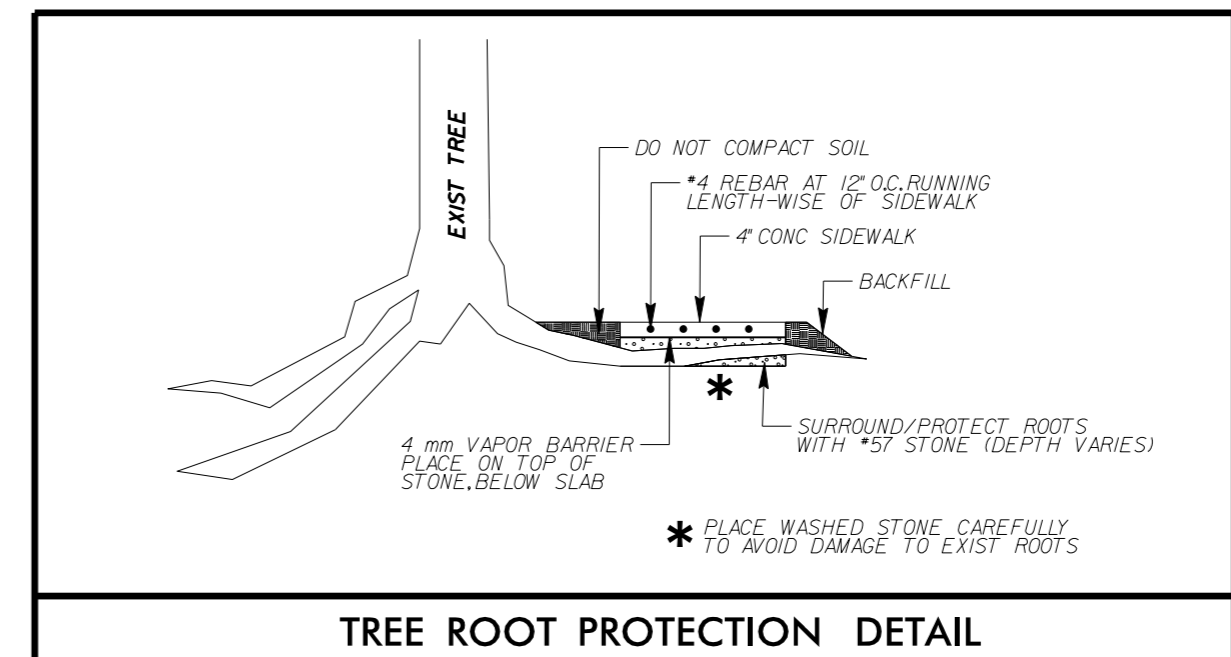
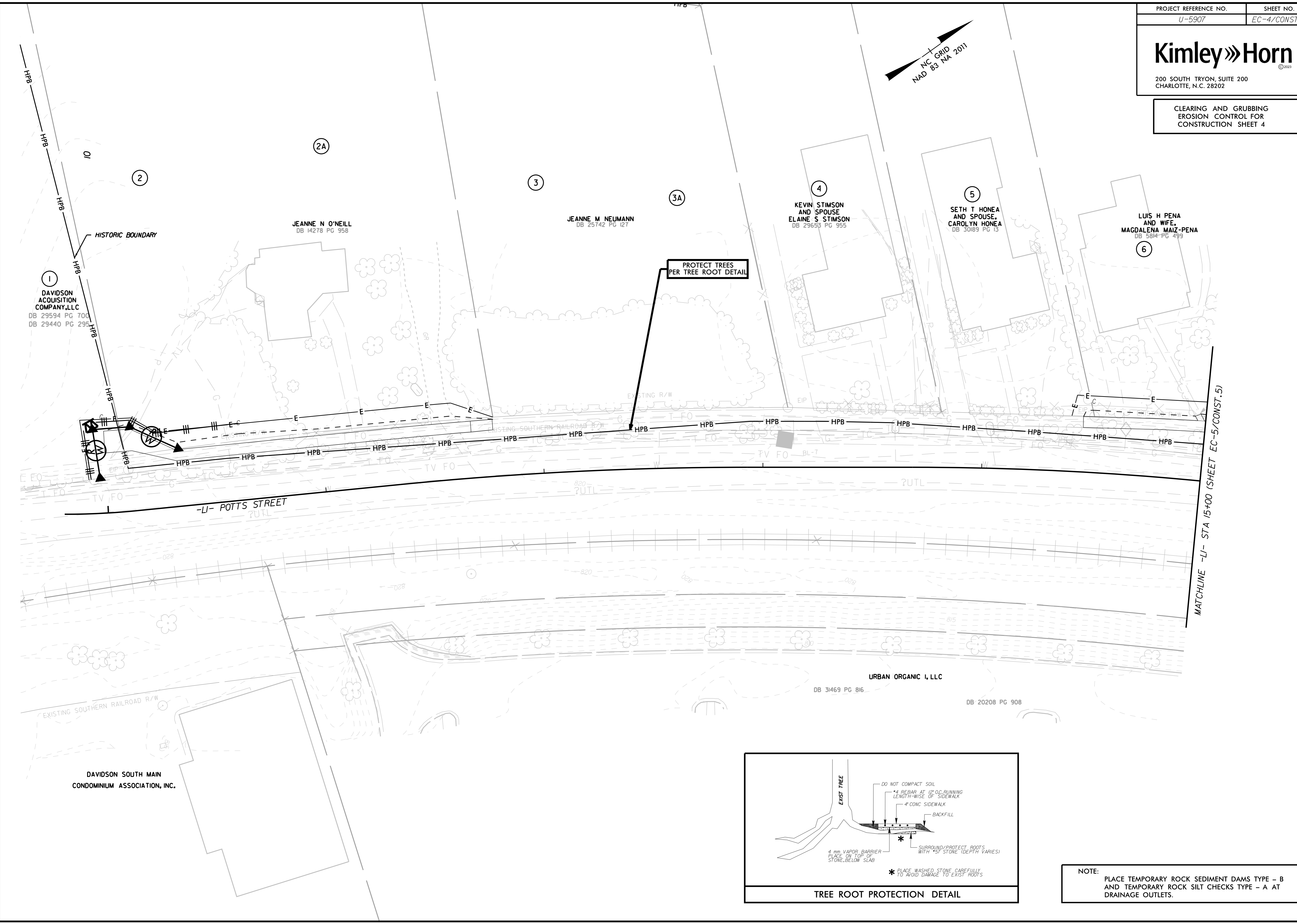
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



5/14/99

REVISIONS

9/8/2023



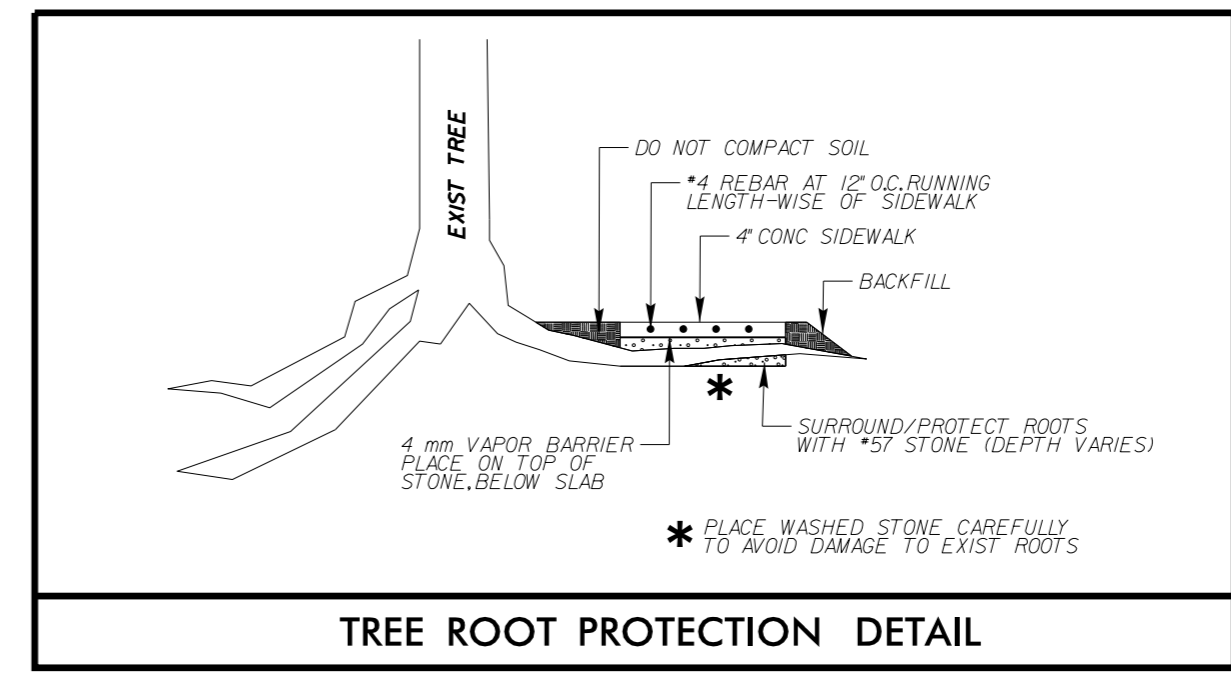
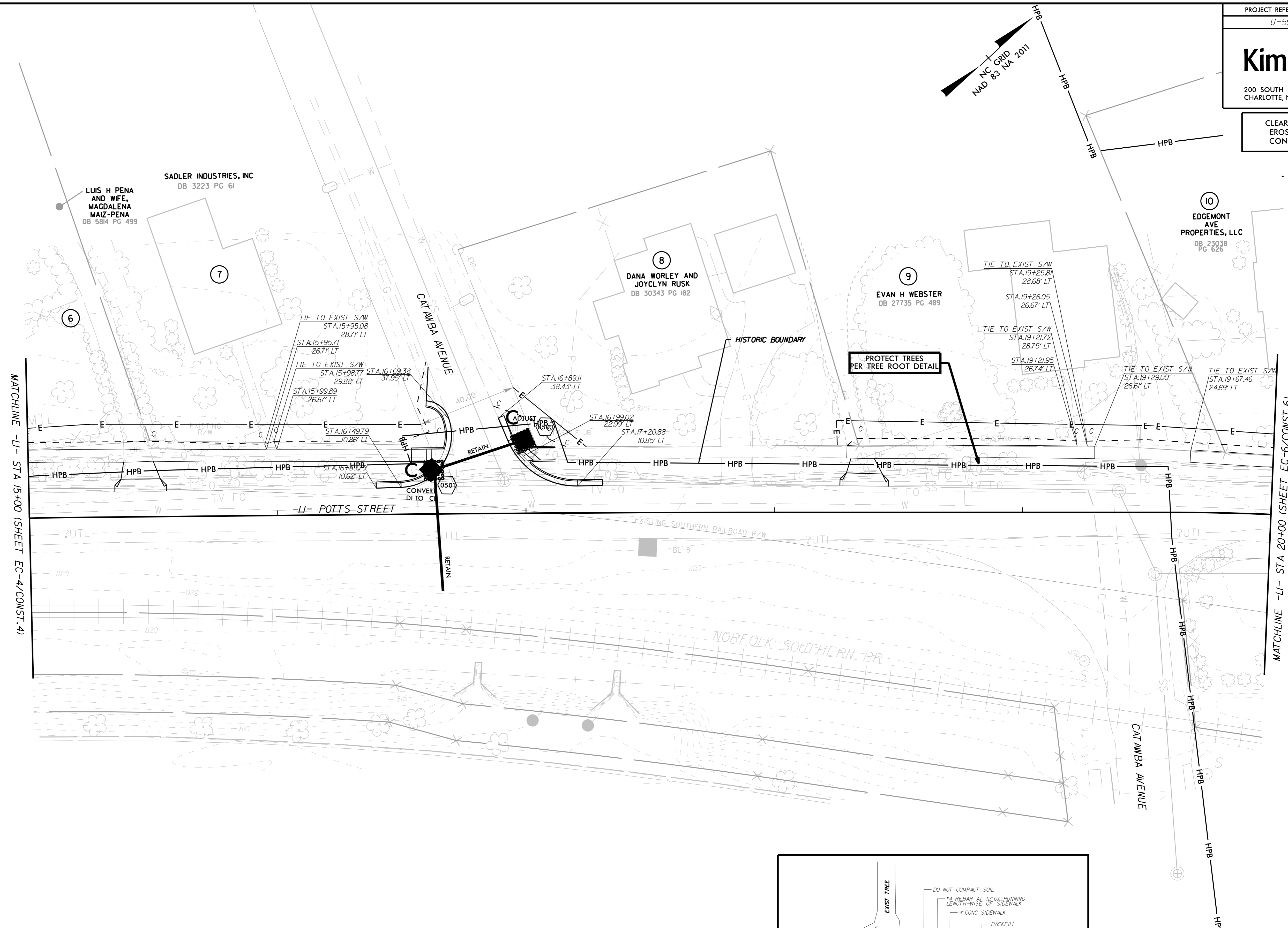
**NOTE:**  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

MATCHLINE -LI- STA 15+00 (SHEET EC-5/CONST. 5)

5/14/99

REVISIONS

9/8/2023



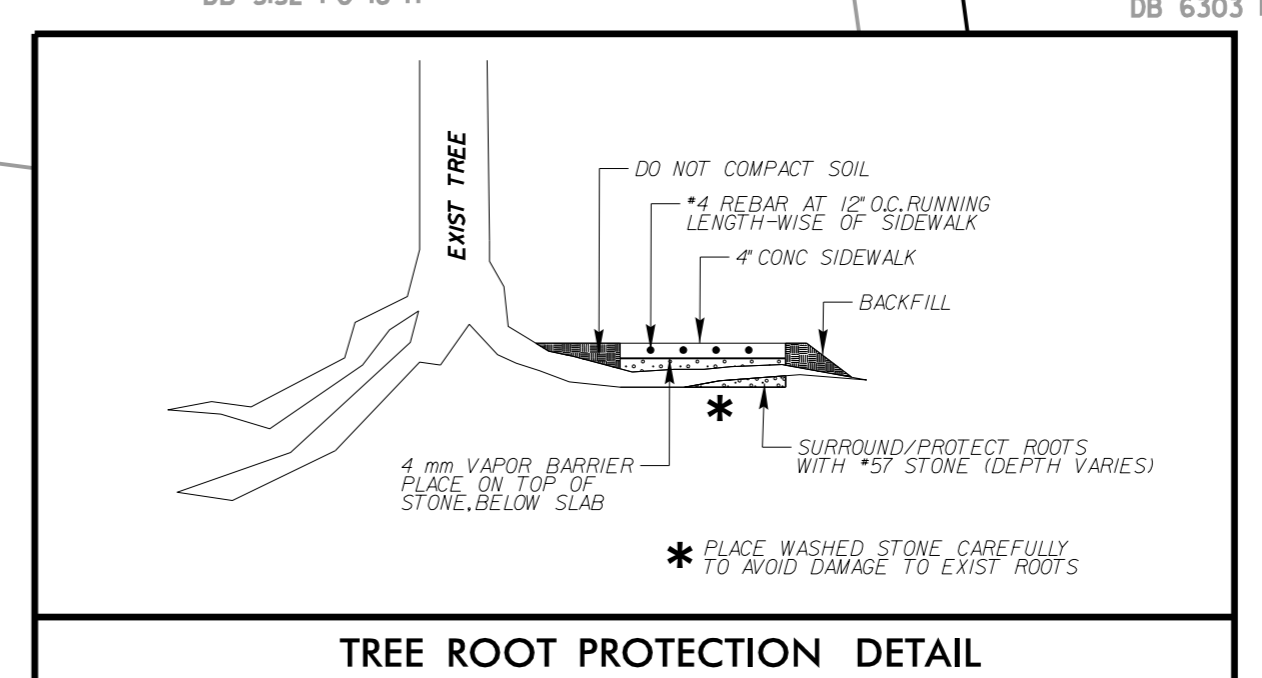
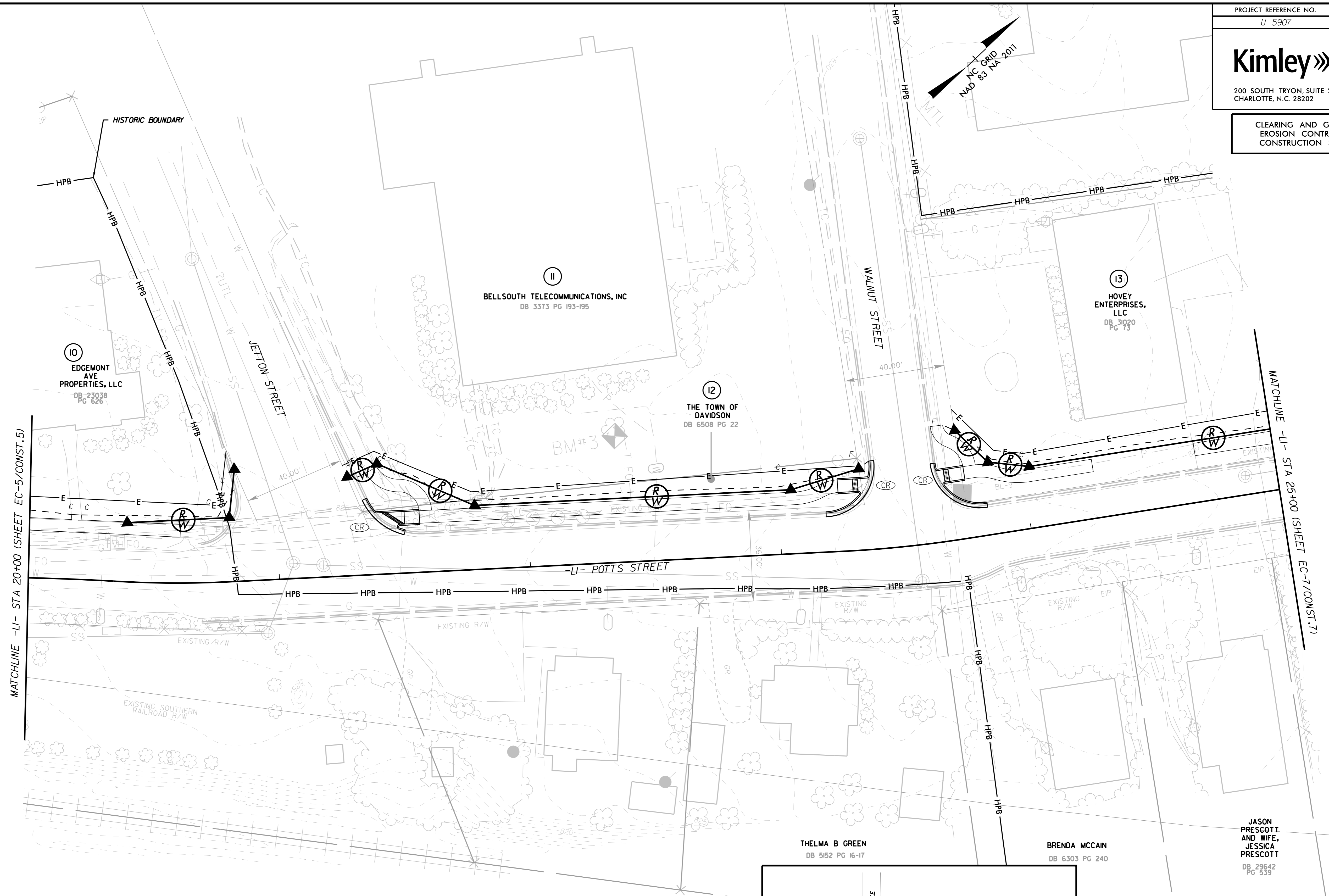
UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

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

5/14/99

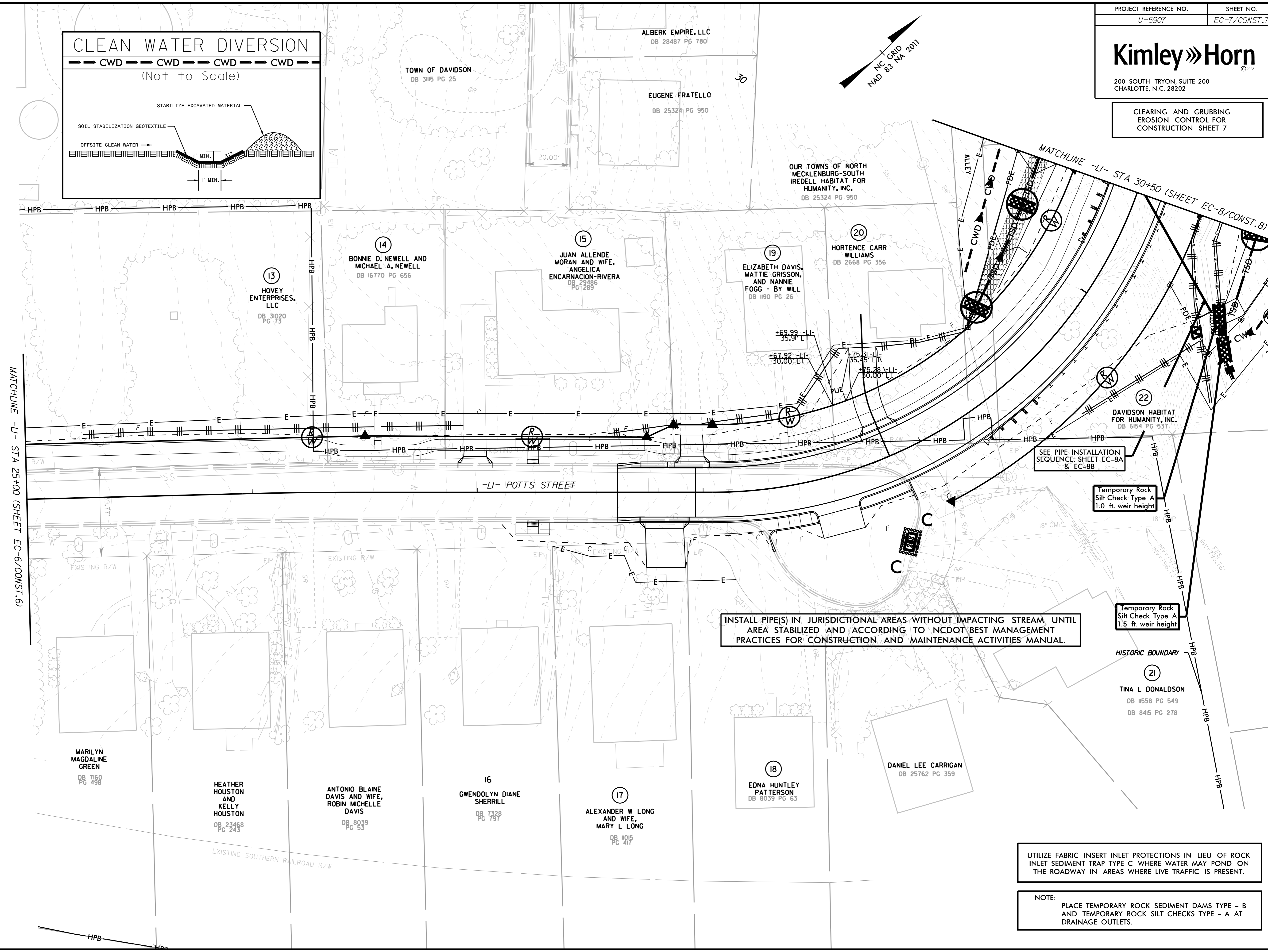
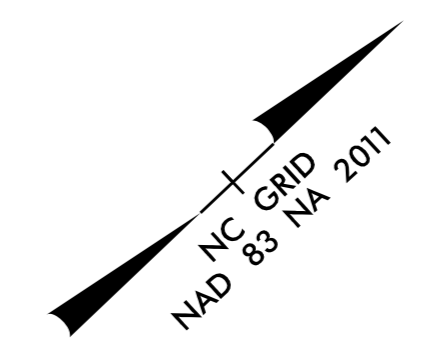
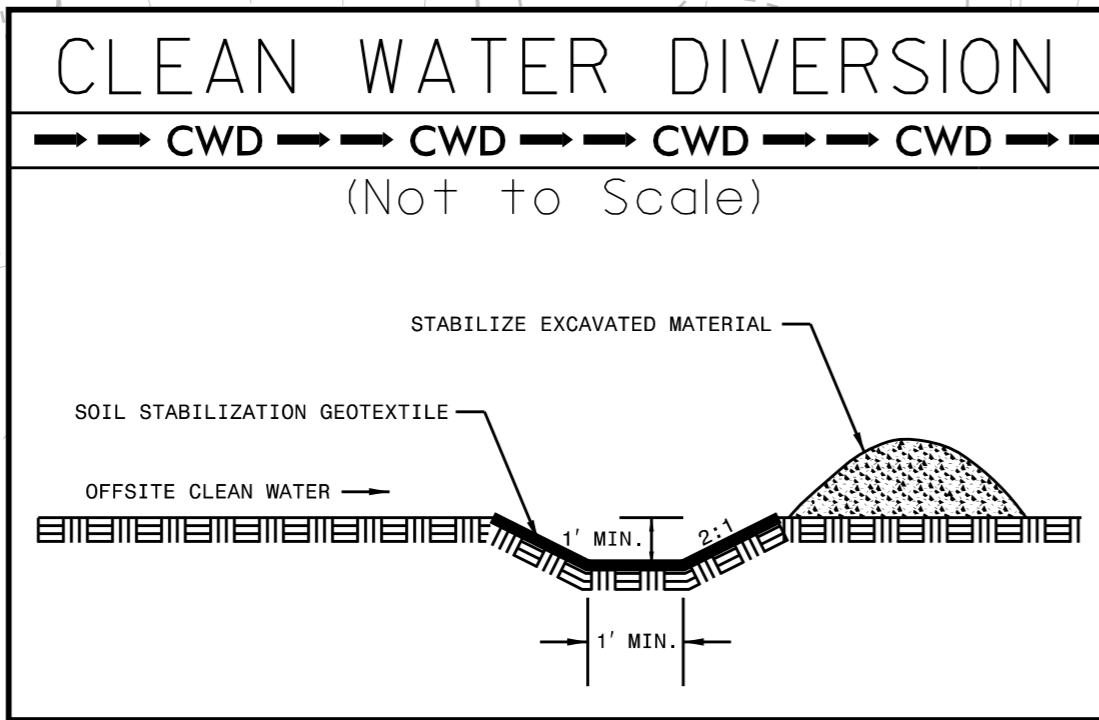
REVISIONS

9/8/2023



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





INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

SEE PIPE INSTALLATION SEQUENCE SHEET EC-8A & EC-8B

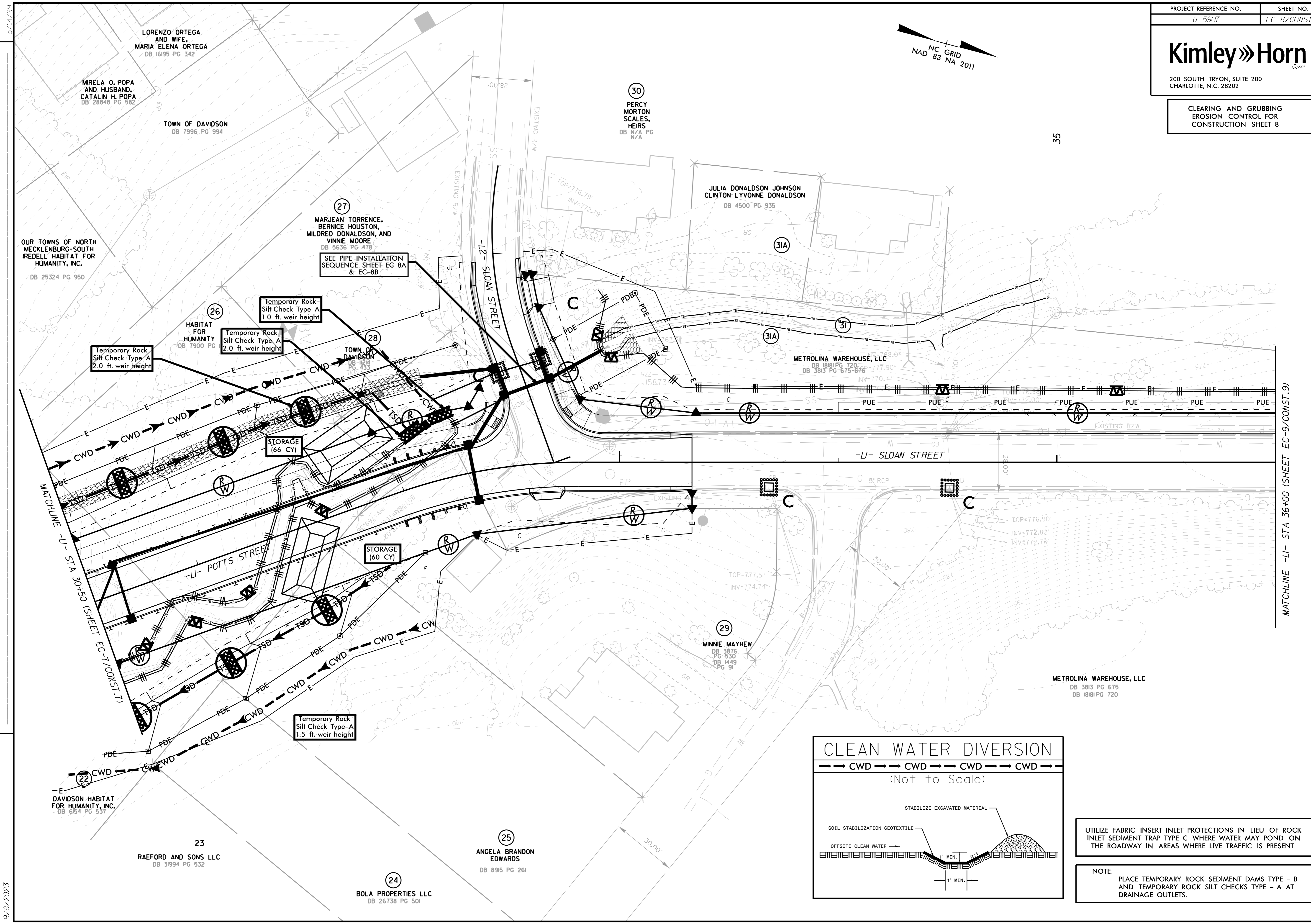
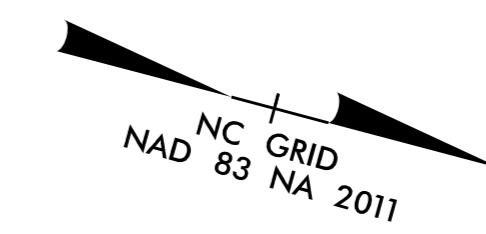
UTILIZE FABRIC INSERT INLET PROTECTIONS IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C WHERE WATER MAY POND ON THE ROADWAY IN AREAS WHERE LIVE TRAFFIC IS PRESENT.

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

REVISIONS

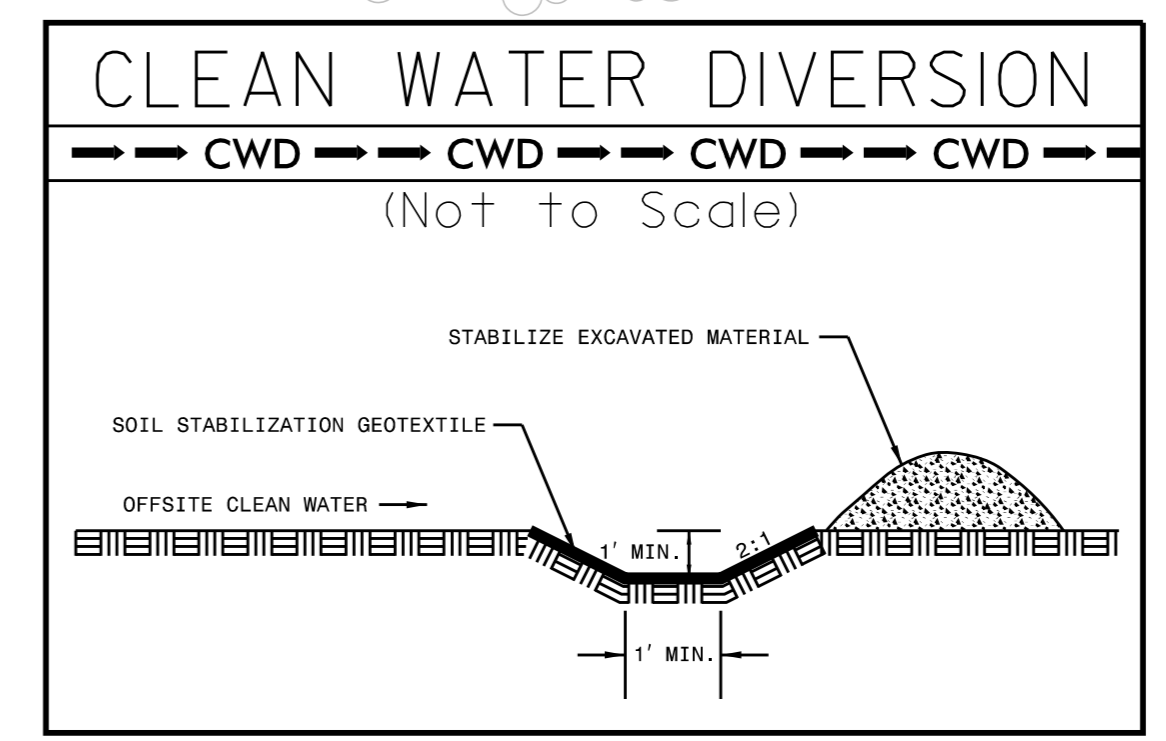
5/14/99

9/8/2023



REVISIONS

MATCHLINE -LJ- STA 36+00 (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.

9/8/2023

LORENZO ORTEGA AND WIFE, MARIA ELENA ORTEGA DB 16195 PG 342

MIRELA O. POPA AND HUSBAND, CATALIN H. POPA DB 28848 PG 582

TOWN OF DAVIDSON DB 7996 PG 994

OUR TOWNS OF NORTH MECKLENBURG-SOUTH IREDELL HABITAT FOR HUMANITY, INC. DB 25324 PG 950

HABITAT FOR HUMANITY DB 7300 PG

MARJEAN TORRENCE, BERNICE HOUSTON, MILDRED DONALDSON, AND VINNIE MOORE DB 5636 PG 478

SEE PIPE INSTALLATION SEQUENCE SHEET EC-8A & EC-8B

PERCY MORTON SCALES, HEIRS DB N/A PG N/A

JULIA DONALDSON JOHNSON CLINTON LYVONNE DONALDSON DB 4500 PG 935

METROLINA WAREHOUSE, LLC DB 1818 PG 720 DB 3813 PG 675-676

METROLINA WAREHOUSE, LLC DB 3813 PG 675 DB 1818 PG 720

MINNIE MAYHEW DB 3876 PG 530 DB 1449 PG 91

ANGELA BRANDON EDWARDS DB 8915 PG 261

RAEFORD AND SONS LLC DB 31994 PG 532

BOLA PROPERTIES LLC DB 26738 PG 501

DAVIDSON HABITAT FOR HUMANITY, INC. DB 684 PG 527

# PIPE INSTALLATION SEQUENCE

## STA. 30+53 -L1-

PROJECT REFERENCE NO. U-5907  
SHEET NO. EC-8A

**Kimley»Horn**

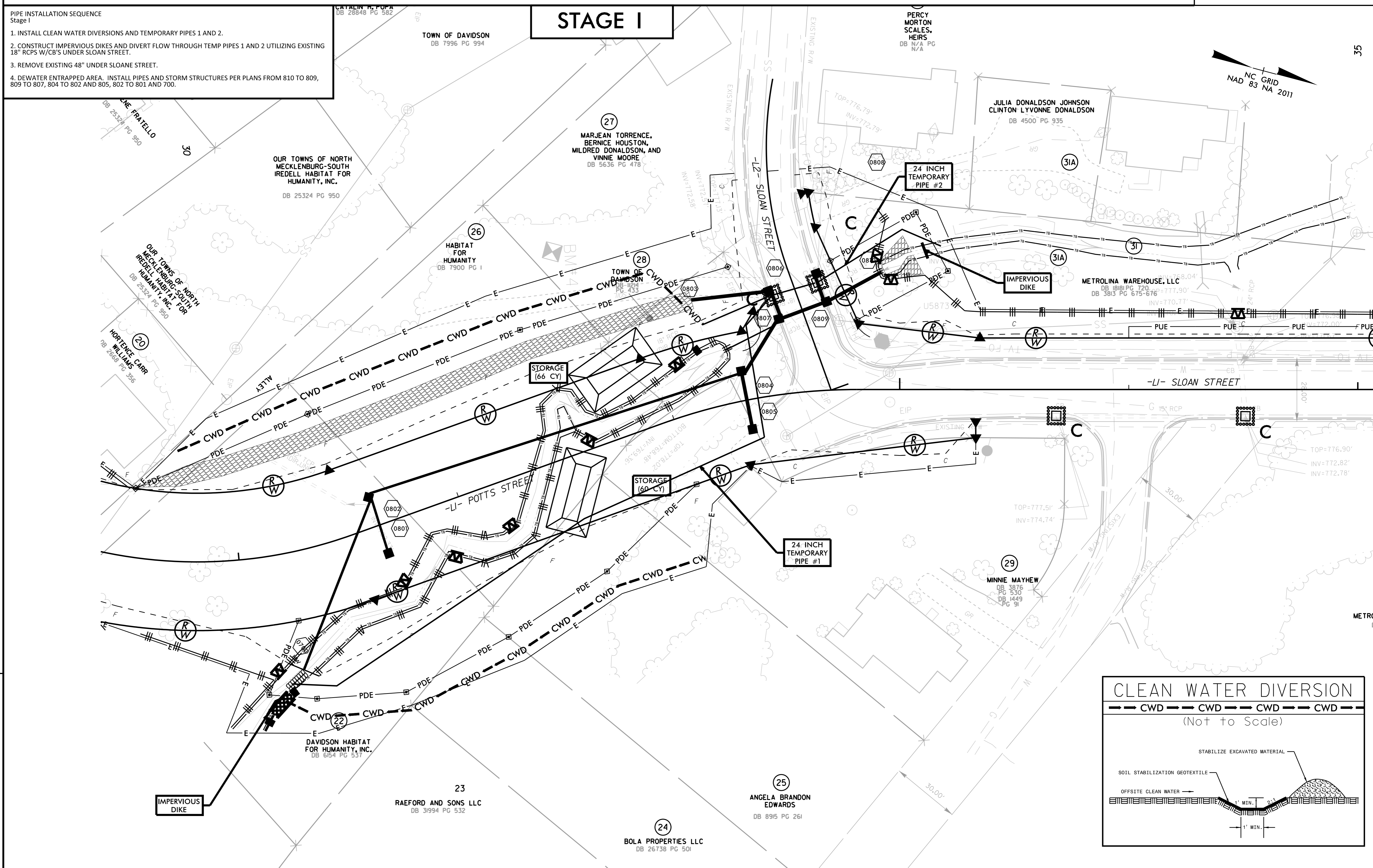
200 SOUTH TRYON, SUITE 200  
CHARLOTTE, N.C. 28202

### PIPE INSTALLATION SEQUENCE

Stage I

1. INSTALL CLEAN WATER DIVERSIONS AND TEMPORARY PIPES 1 AND 2.
2. CONSTRUCT IMPERVIOUS DIKES AND DIVERT FLOW THROUGH TEMP PIPES 1 AND 2 UTILIZING EXISTING 18" RCPS W/CB'S UNDER SLOAN STREET.
3. REMOVE EXISTING 48" UNDER SLOANE STREET.
4. DEWATER ENTRAPPED AREA. INSTALL PIPES AND STORM STRUCTURES PER PLANS FROM 810 TO 809, 809 TO 807, 804 TO 802 AND 805, 802 TO 801 AND 700.

### STAGE I



REVISIONS

5/14/199

9/8/2023

# PIPE INSTALLATION SEQUENCE

## STA. 30+53 -L1-

PROJECT REFERENCE NO. U-5907 SHEET NO. EC-8B

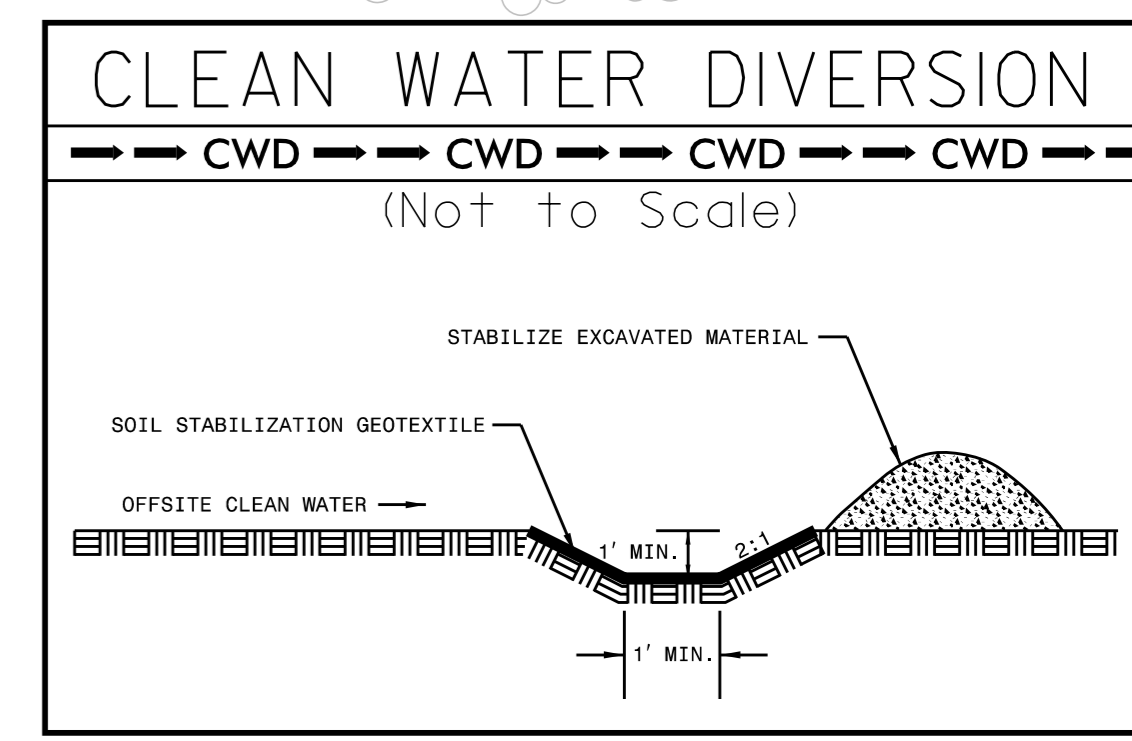
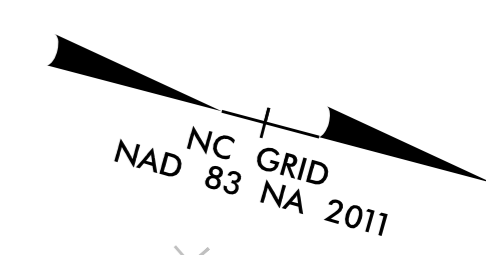
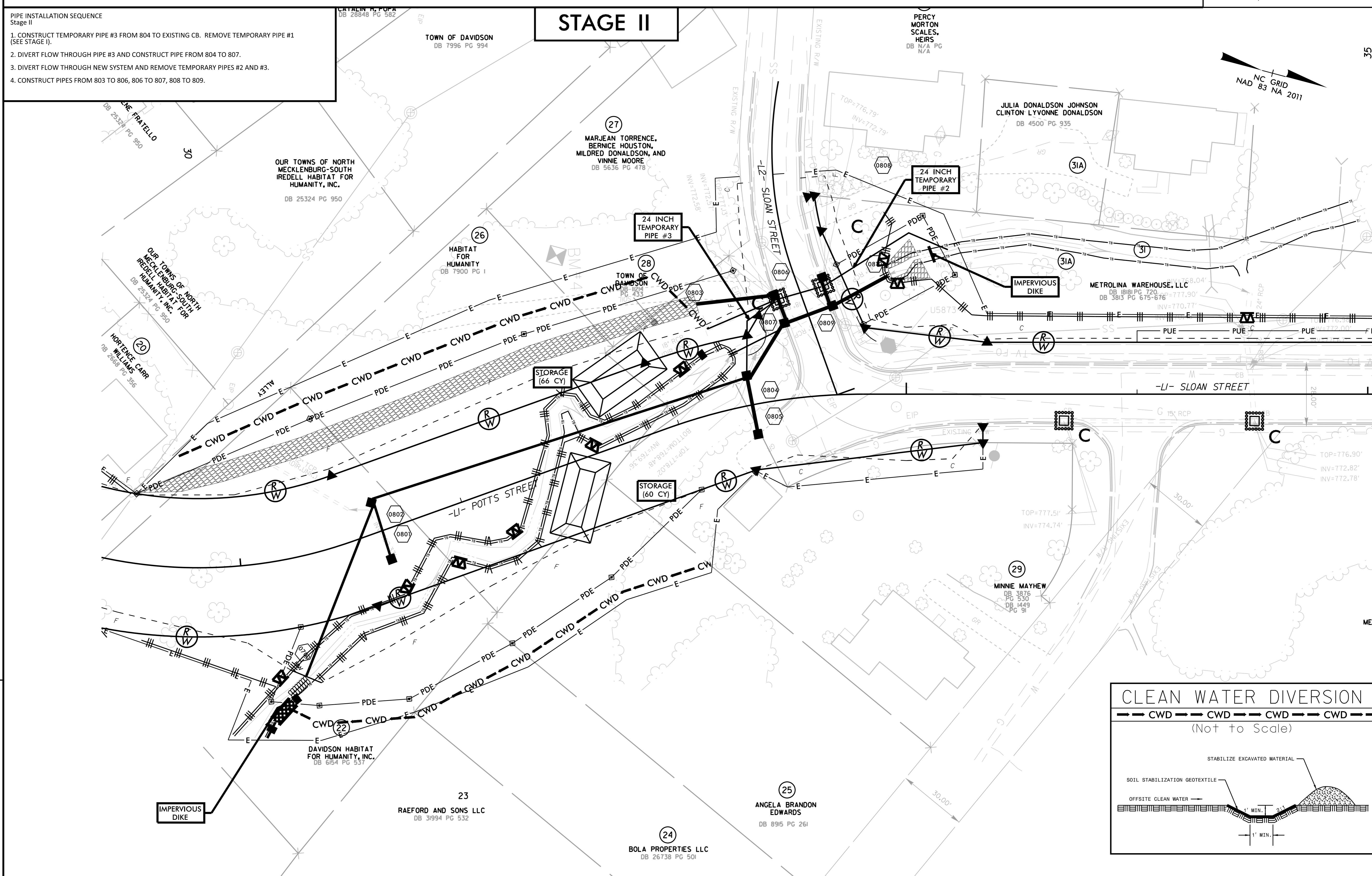
**Kimley»Horn**

200 SOUTH TRYON, SUITE 200  
CHARLOTTE, N.C. 28202

**PIPE INSTALLATION SEQUENCE**  
Stage II

1. CONSTRUCT TEMPORARY PIPE #3 FROM 804 TO EXISTING CB. REMOVE TEMPORARY PIPE #1 (SEE STAGE I).
2. DIVERT FLOW THROUGH PIPE #3 AND CONSTRUCT PIPE FROM 804 TO 807.
3. DIVERT FLOW THROUGH NEW SYSTEM AND REMOVE TEMPORARY PIPES #2 AND #3.
4. CONSTRUCT PIPES FROM 803 TO 806, 806 TO 807, 808 TO 809.

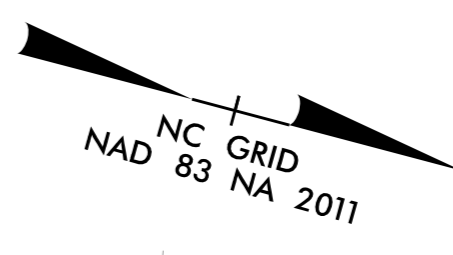
**STAGE II**



REVISIONS

5/14/199

9/8/2023



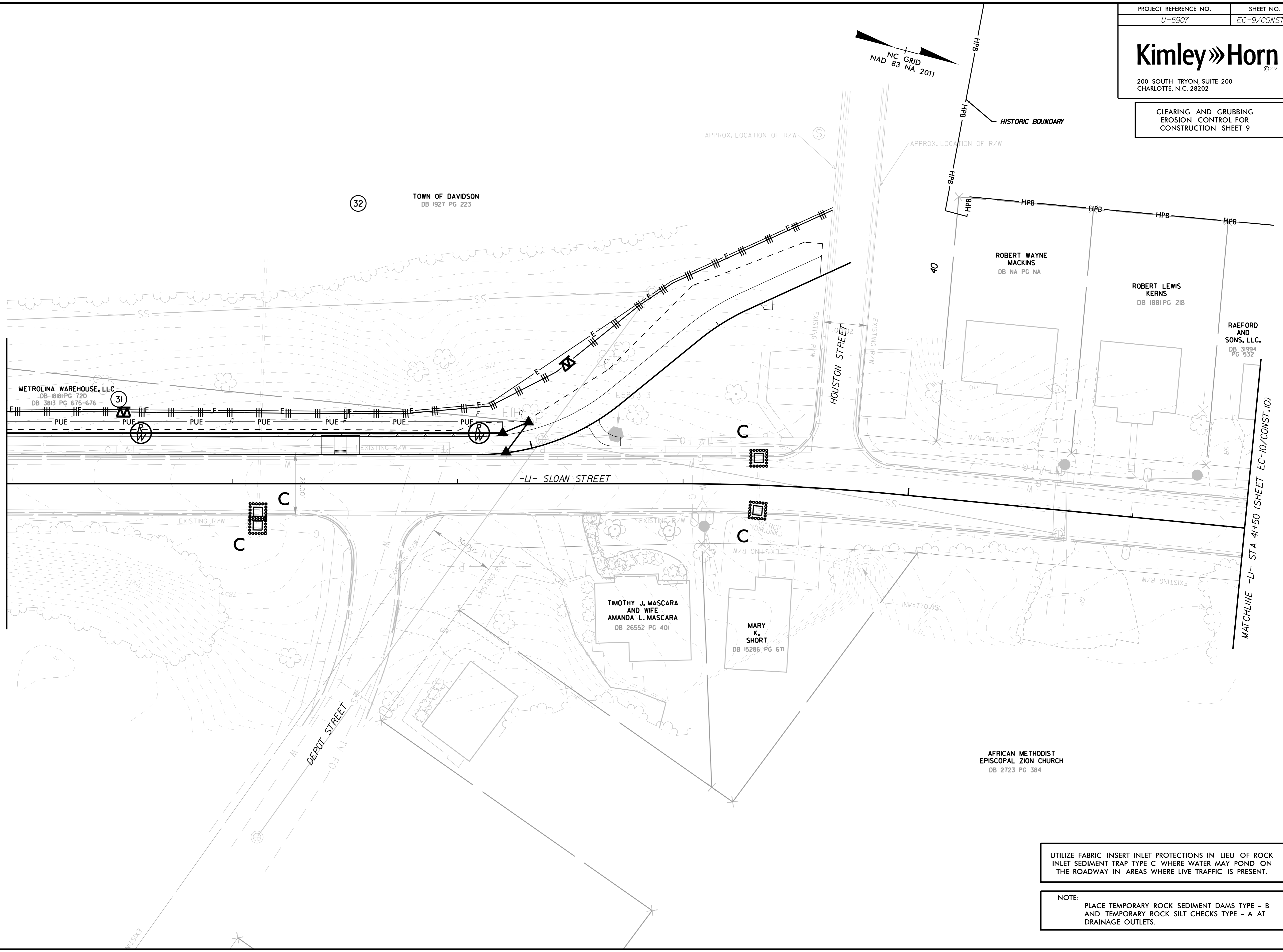
5/14/99

REVISIONS

9/8/2023

MATCHLINE -LI- STA 36+00 (SHEET EC-8/CONST. 8)

MATCHLINE -LI- STA 41+50 (SHEET EC-10/CONST. 10)



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.

32 TOWN OF DAVIDSON  
 DB 1927 PG 223

METROLINA WAREHOUSE, LLC  
 DB 18161 PG 720  
 DB 3813 PG 675-676

ROBERT WAYNE MACKINS  
 DB NA PG NA

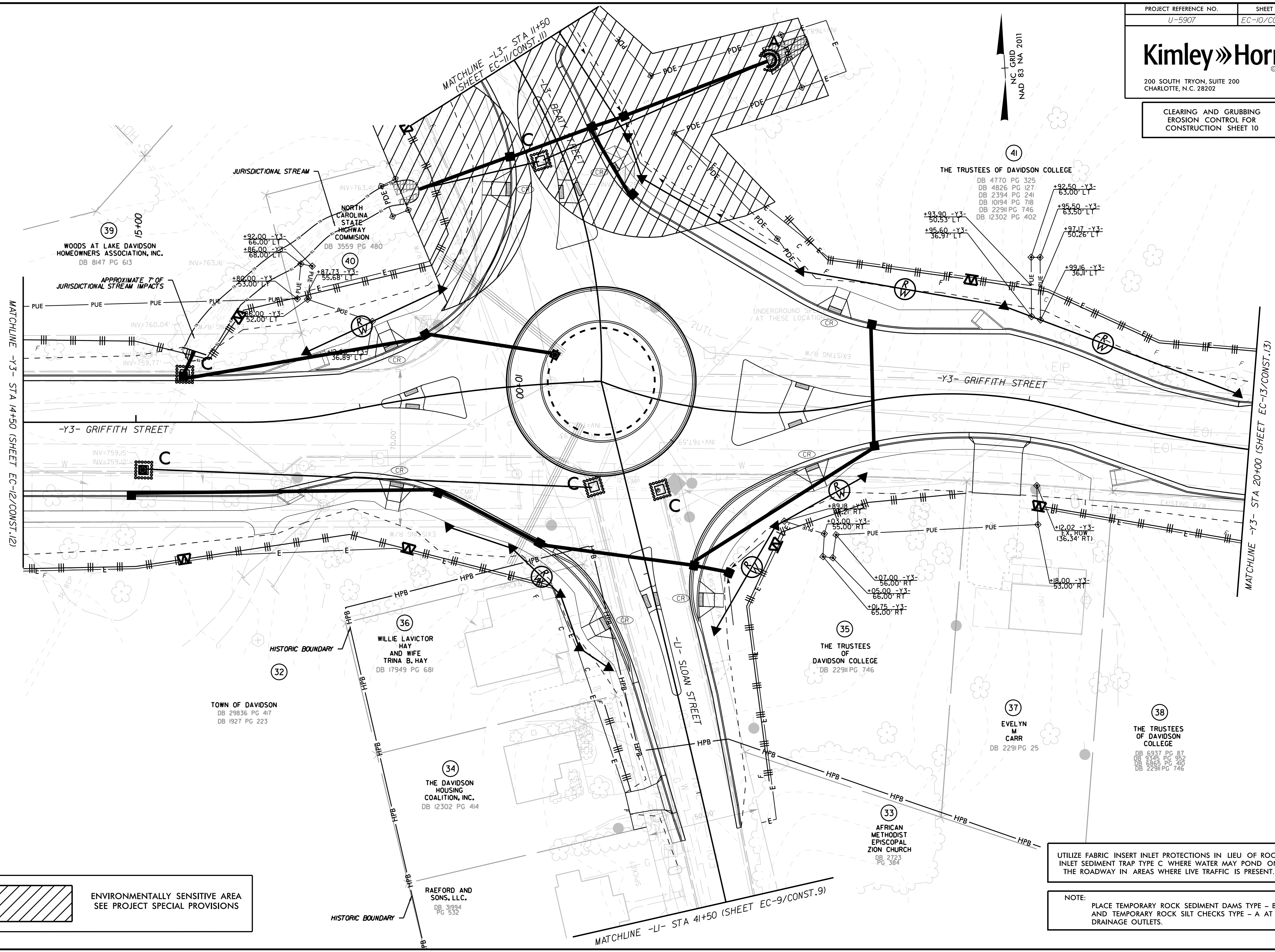
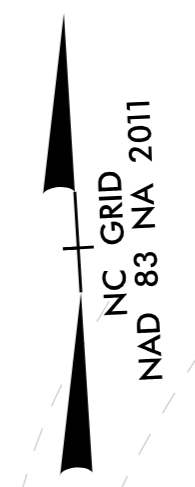
ROBERT LEWIS KERNS  
 DB 1881 PG 218

RAEFORD AND SONS, LLC.  
 DB 31994 PG 532

TIMOTHY J. MASCARA AND WIFE  
 AMANDA L. MASCARA  
 DB 26552 PG 401

MARY K. SHORT  
 DB 15286 PG 671

AFRICAN METHODIST EPISCOPAL ZION CHURCH  
 DB 2723 PG 384



REVISIONS

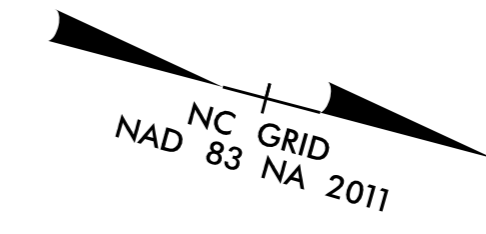
 ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

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.

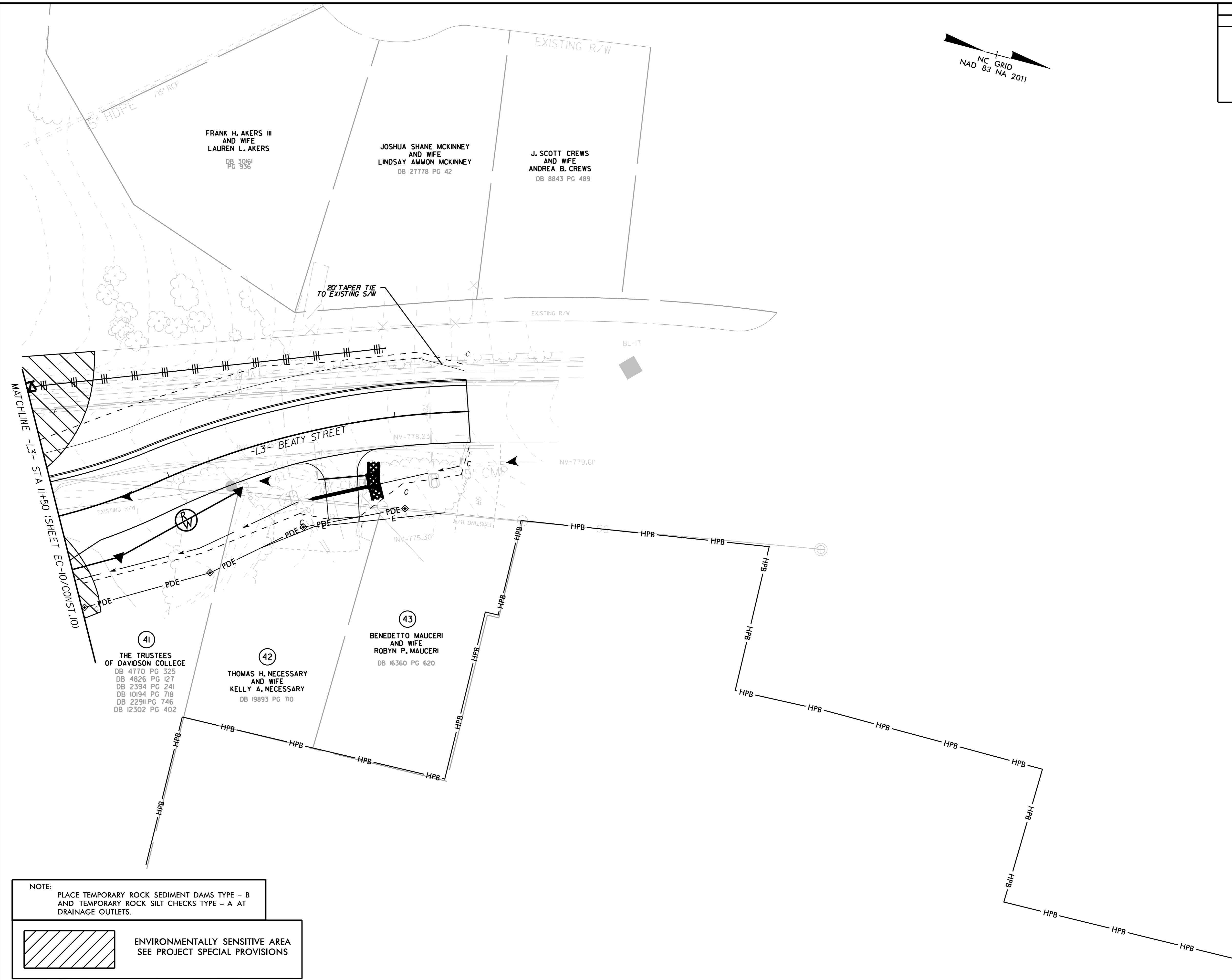
5/14/99

9/8/2023



5/14/99

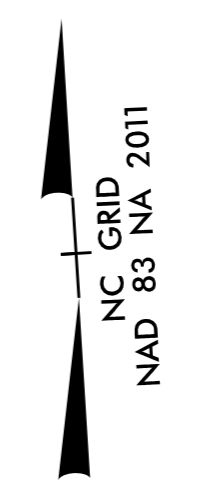
REVISIONS



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

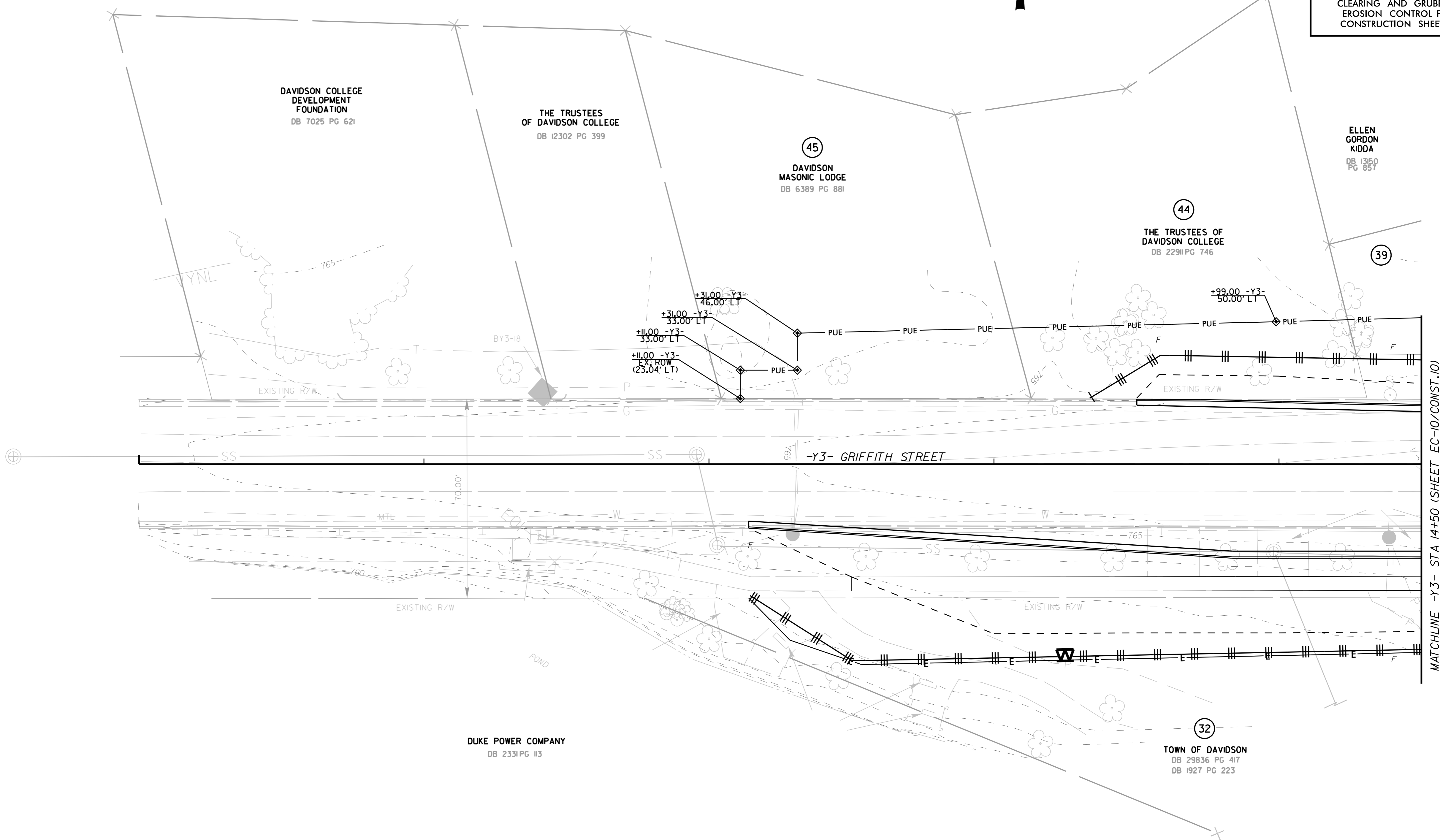
 ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

9/8/2023



5/14/99

REVISIONS

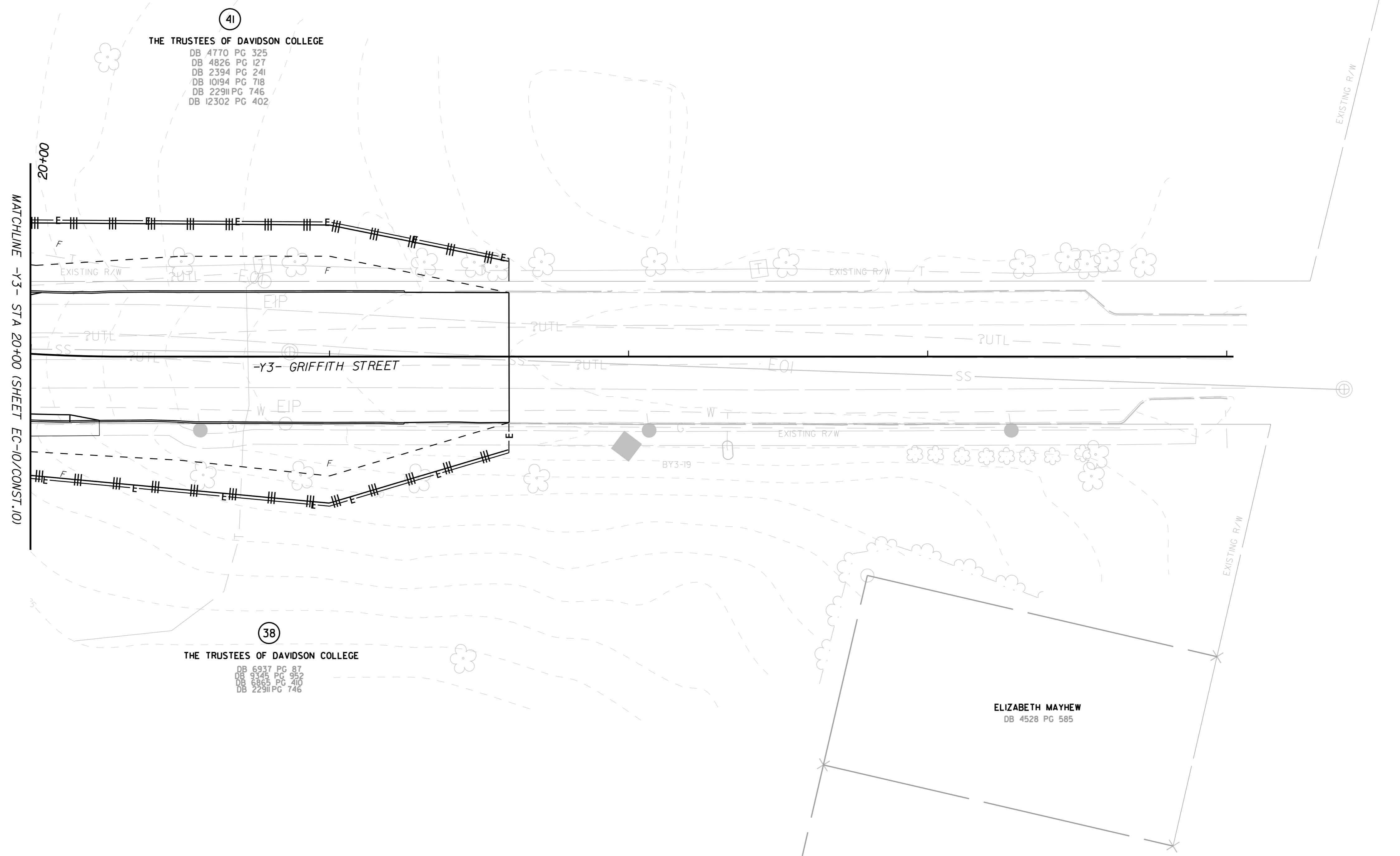
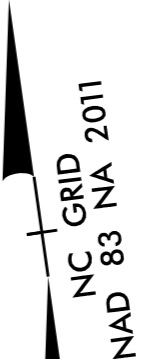


MATCHLINE -Y3- STA 14+50 (SHEET EC-10/CONST.10)

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

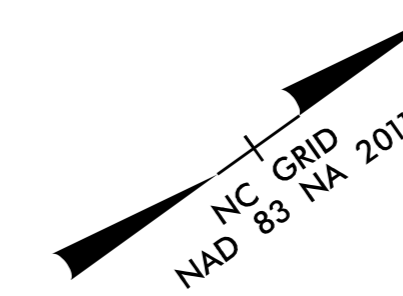
9/8/2023





REVISIONS

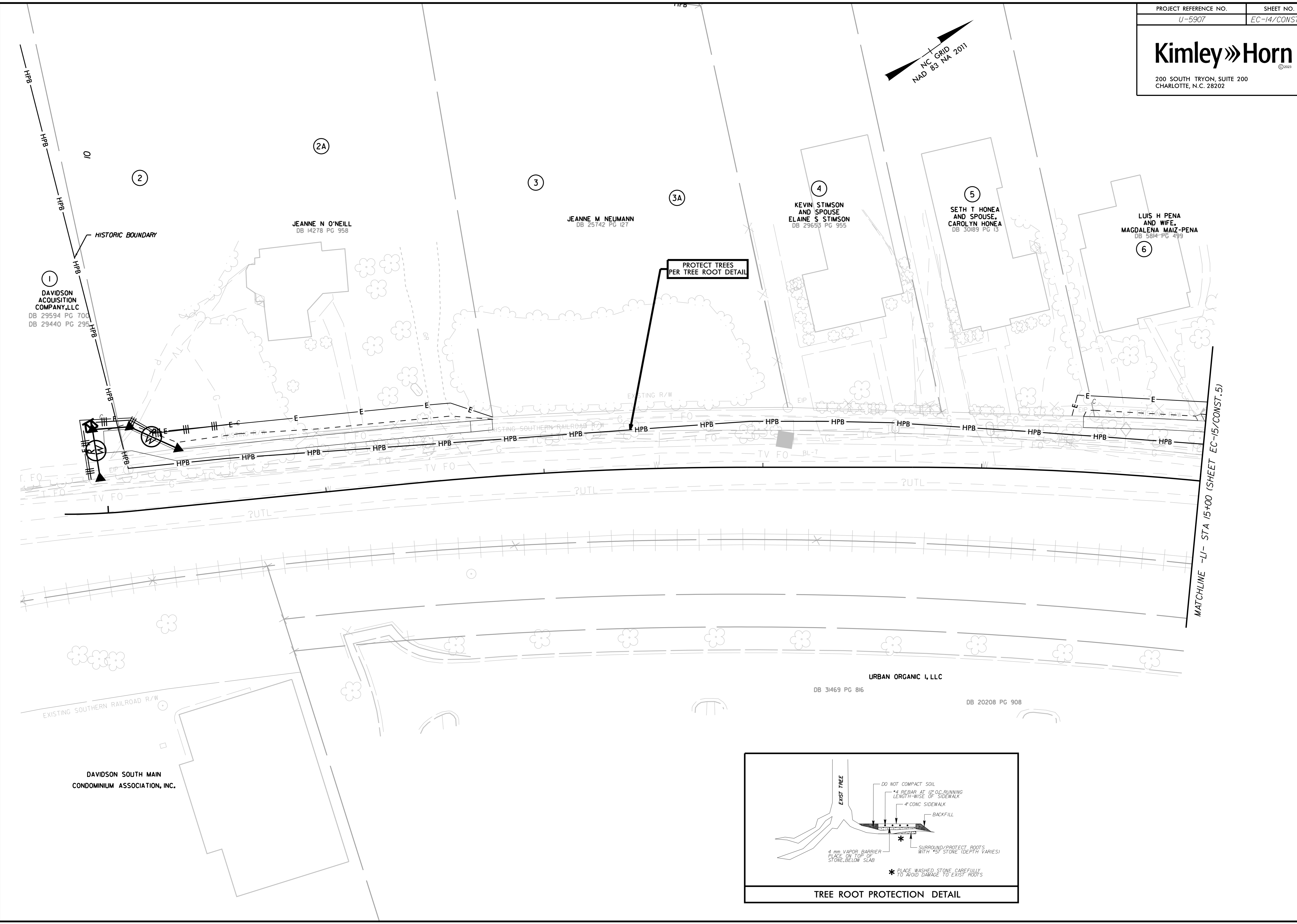
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.



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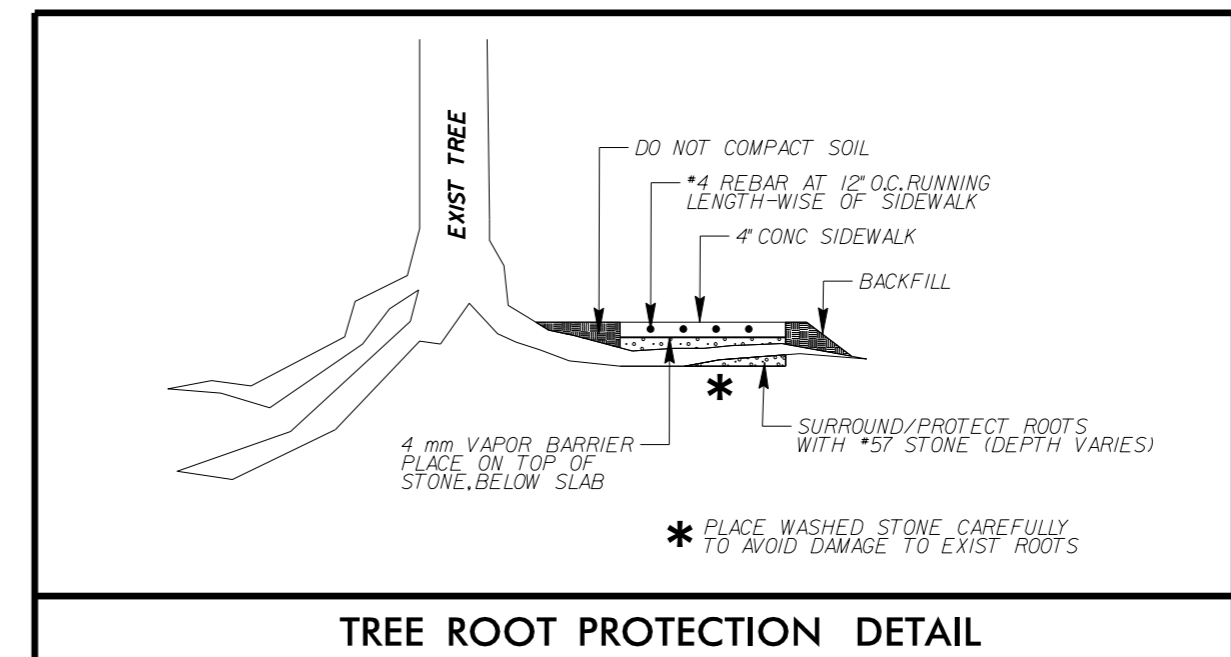
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PROTECT TREES  
PER TREE ROOT DETAIL

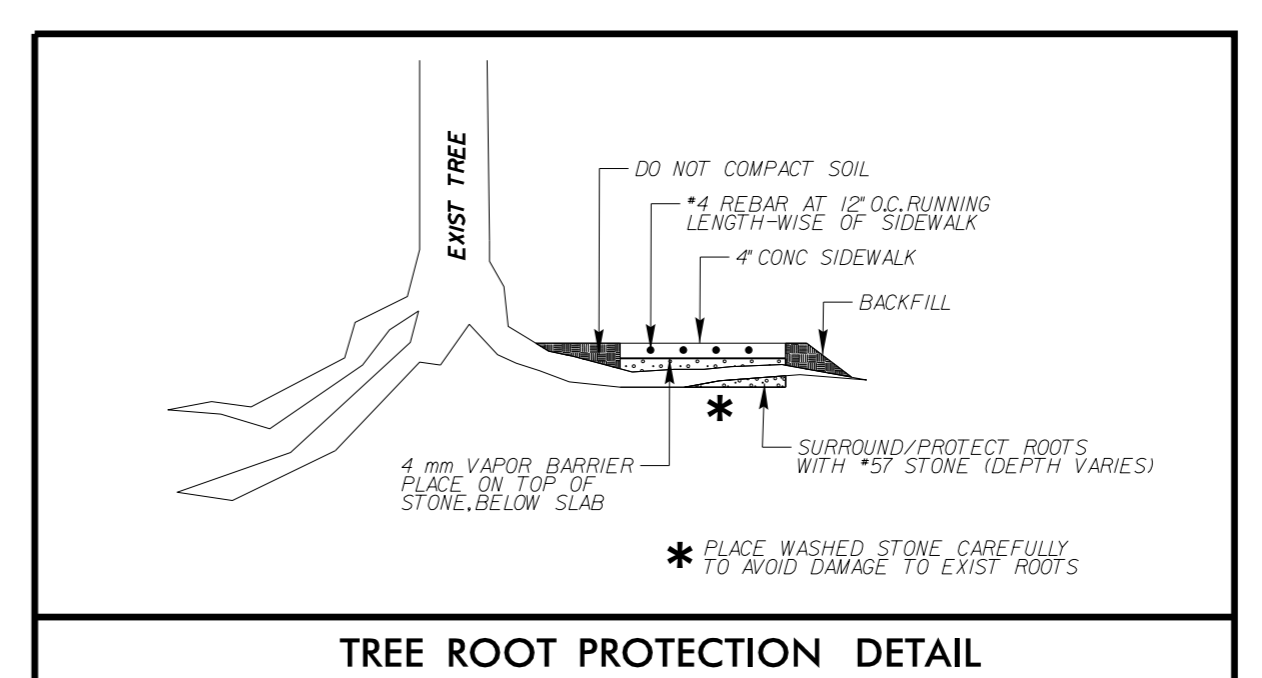
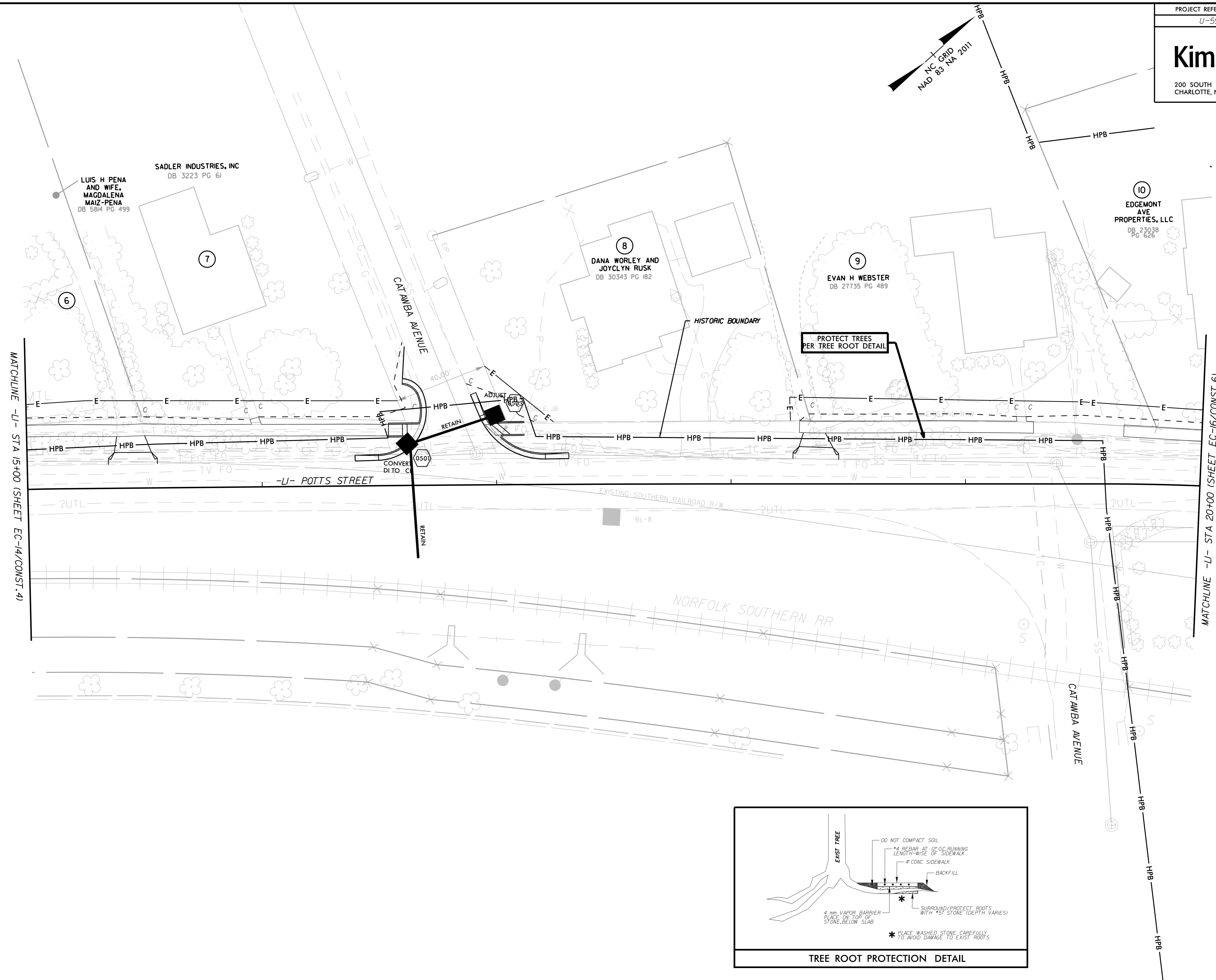
MATCHLINE -LJ- STA 15+00 (SHEET EC-15/CONST.5)



TREE ROOT PROTECTION DETAIL

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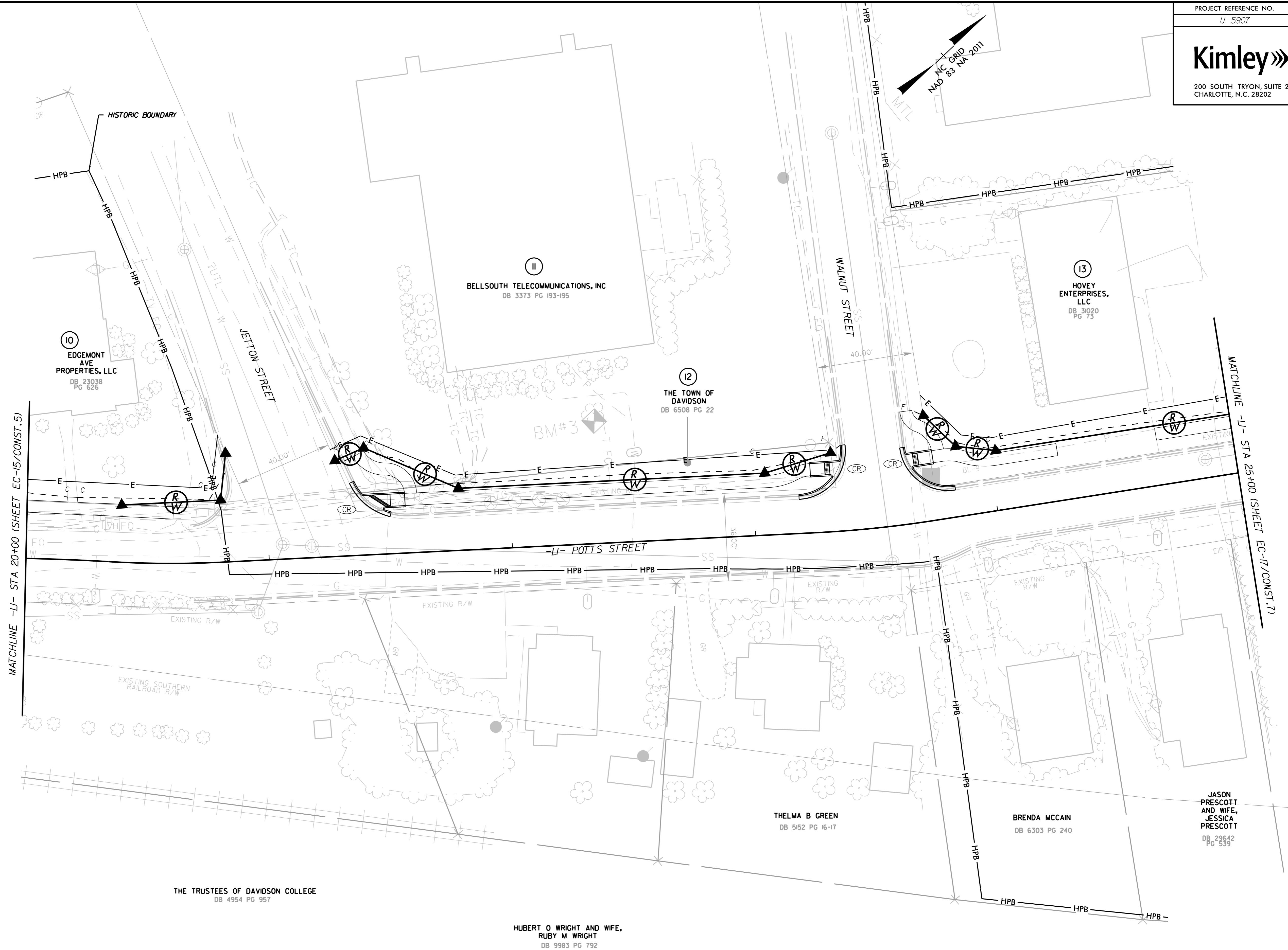
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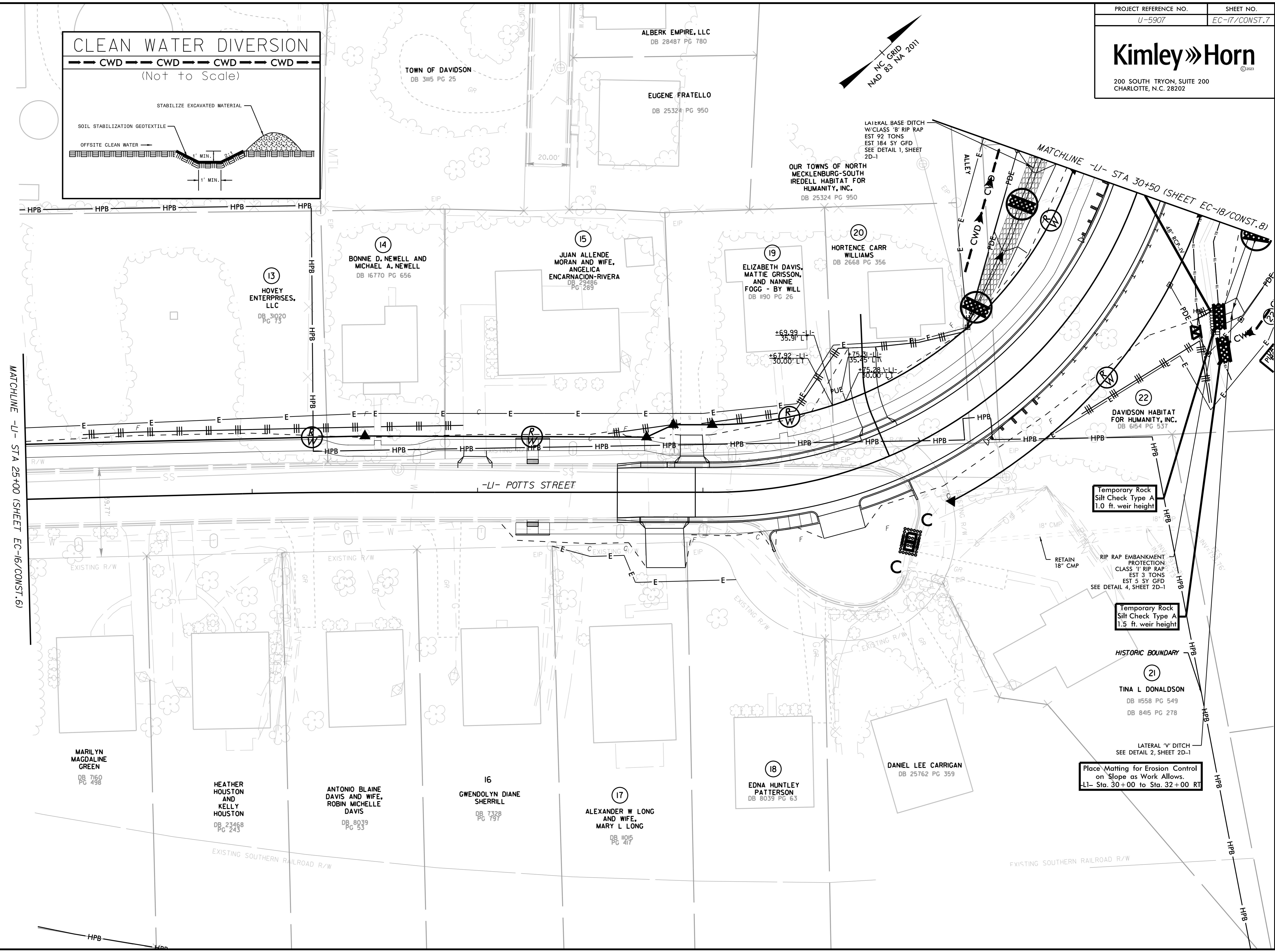
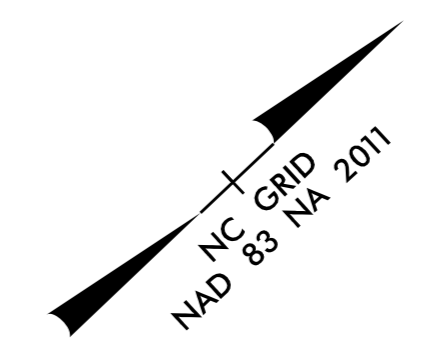
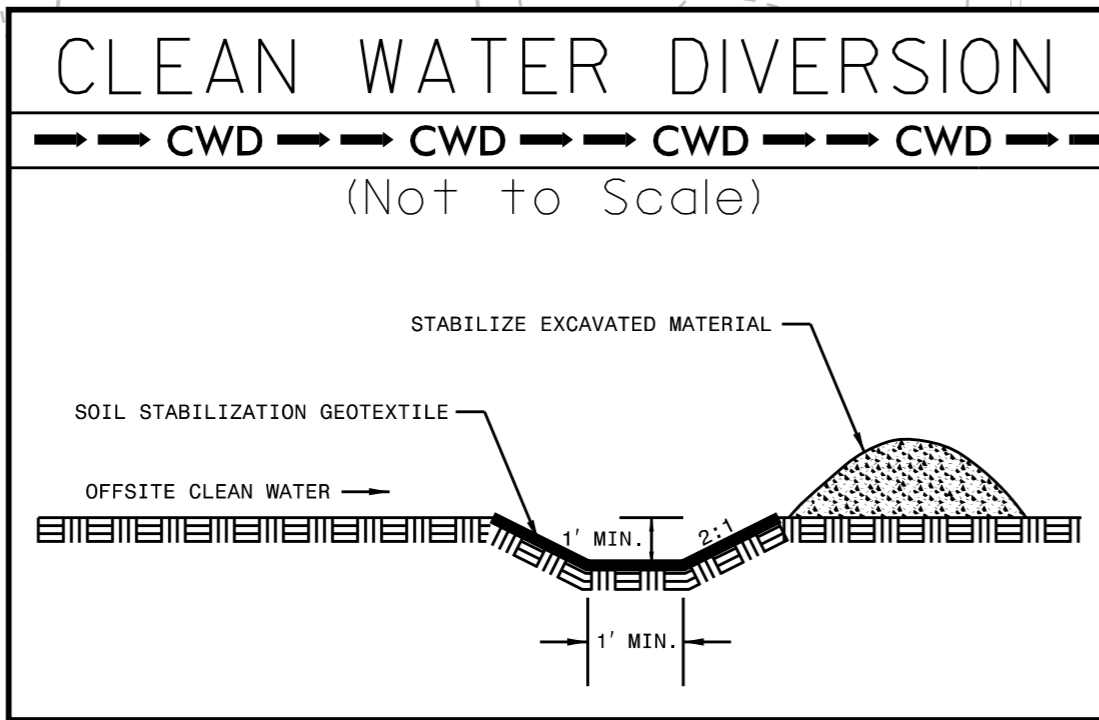
NC GRID  
NAD 83 NA 2011

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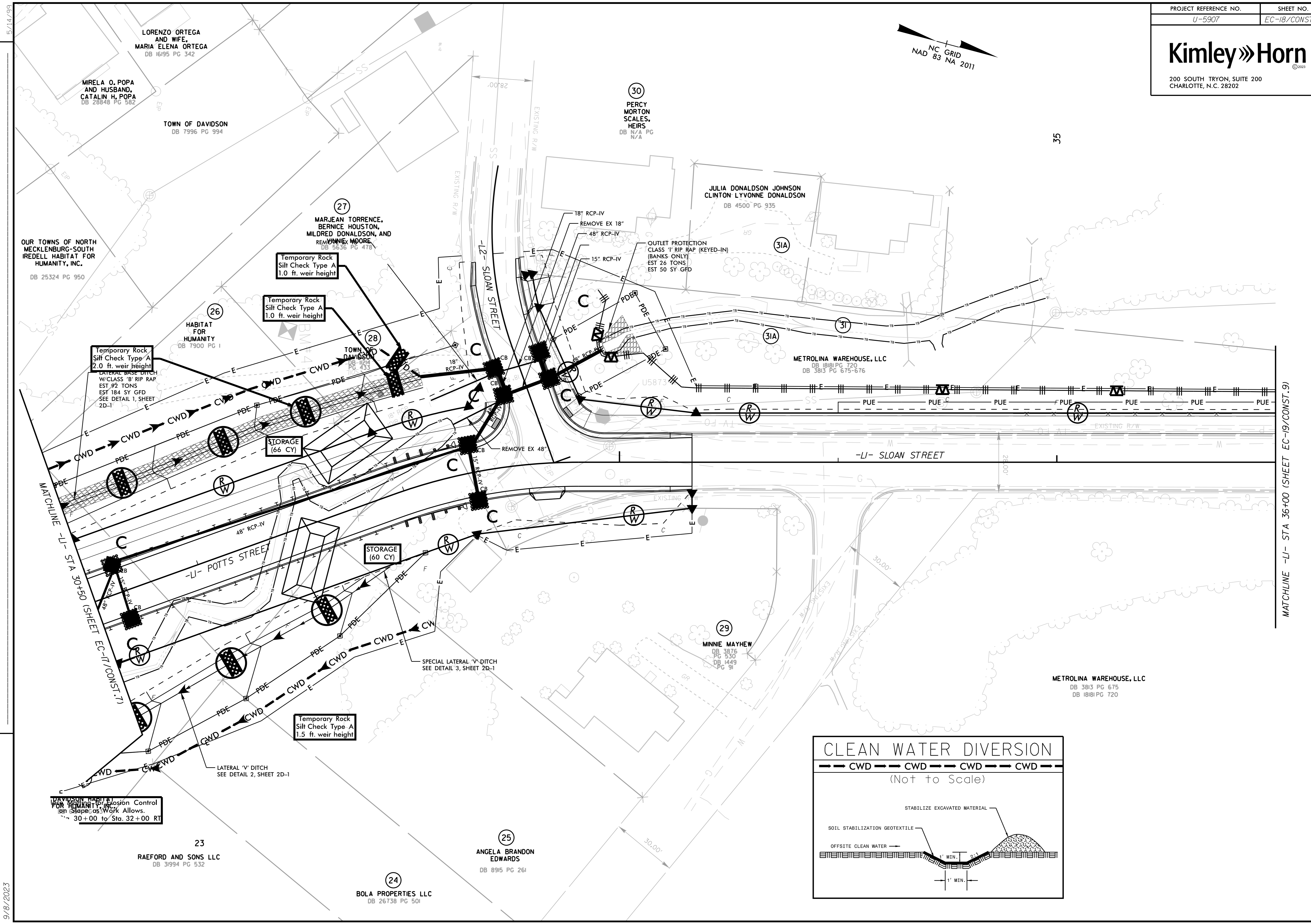
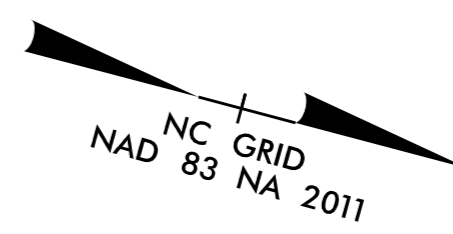




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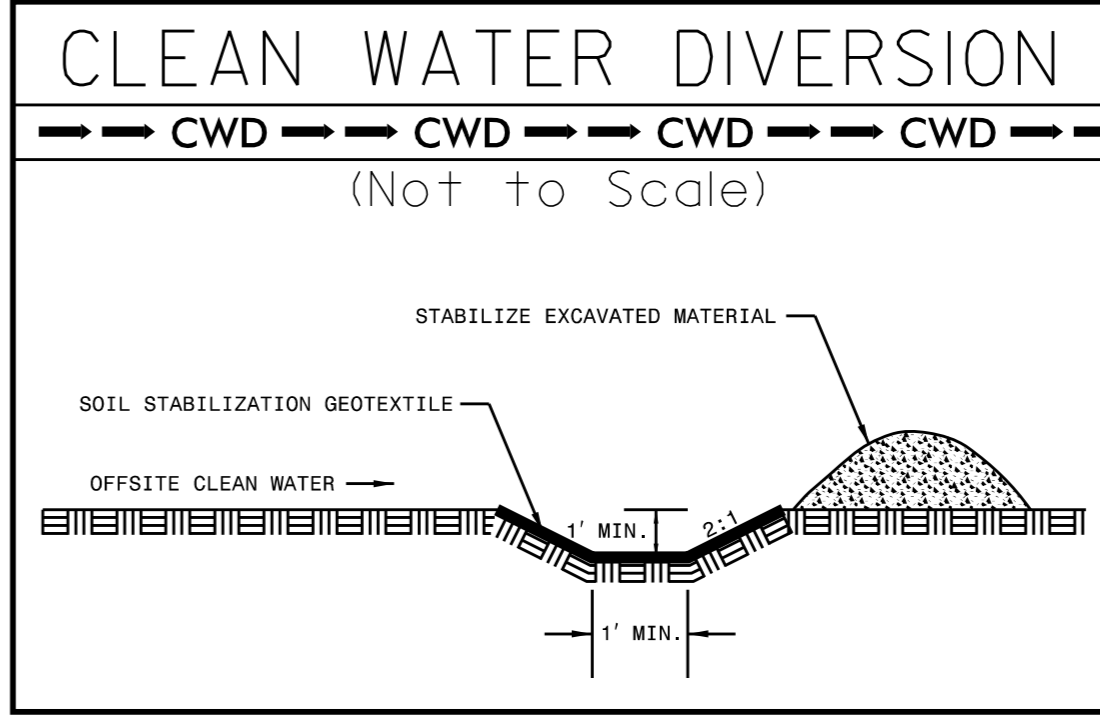
5/14/99

9/8/2023



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EROSION CONTROL FOR SLOPE AS WORK ALLOWS. STA 30+00 TO STA. 32+00 RT



9/8/2023

MATCHLINE -L1- STA 36+00 (SHEET EC-19/CONST. 9)

5/14/99

35

LORENZO ORTEGA AND WIFE, MARIA ELENA ORTEGA DB 16195 PG 342

MIRELA O. POPA AND HUSBAND, CATALIN H. POPA DB 28848 PG 582

TOWN OF DAVIDSON DB 7996 PG 994

OUR TOWNS OF NORTH MECKLENBURG-SOUTH IREDELL HABITAT FOR HUMANITY, INC. DB 25324 PG 950

HABITAT FOR HUMANITY DB 7300 PG 1

MARJEAN TORRENCE, BERNICE HOUSTON, MILDRED DONALDSON, AND REMON MOORE DB 5236 PG 478

PERCY MORTON SCALES, HEIRS DB N/A PG N/A

JULIA DONALDSON JOHNSON CLINTON LYVONNE DONALDSON DB 4500 PG 935

METROLINA WAREHOUSE, LLC DB 1818 PG 720 DB 3813 PG 675-676

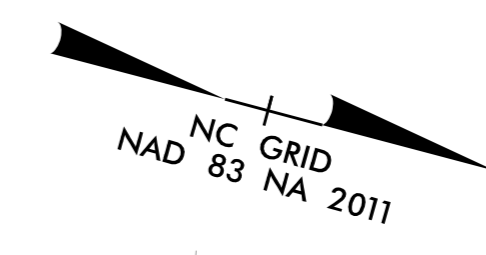
MINNIE MAYHEW DB 3876 PG 530 DB 1449 PG 91

METROLINA WAREHOUSE, LLC DB 3813 PG 675 DB 1818 PG 720

RAEFORD AND SONS LLC DB 31994 PG 532

ANGELA BRANDON EDWARDS DB 8915 PG 261

BOLA PROPERTIES LLC DB 26738 PG 501

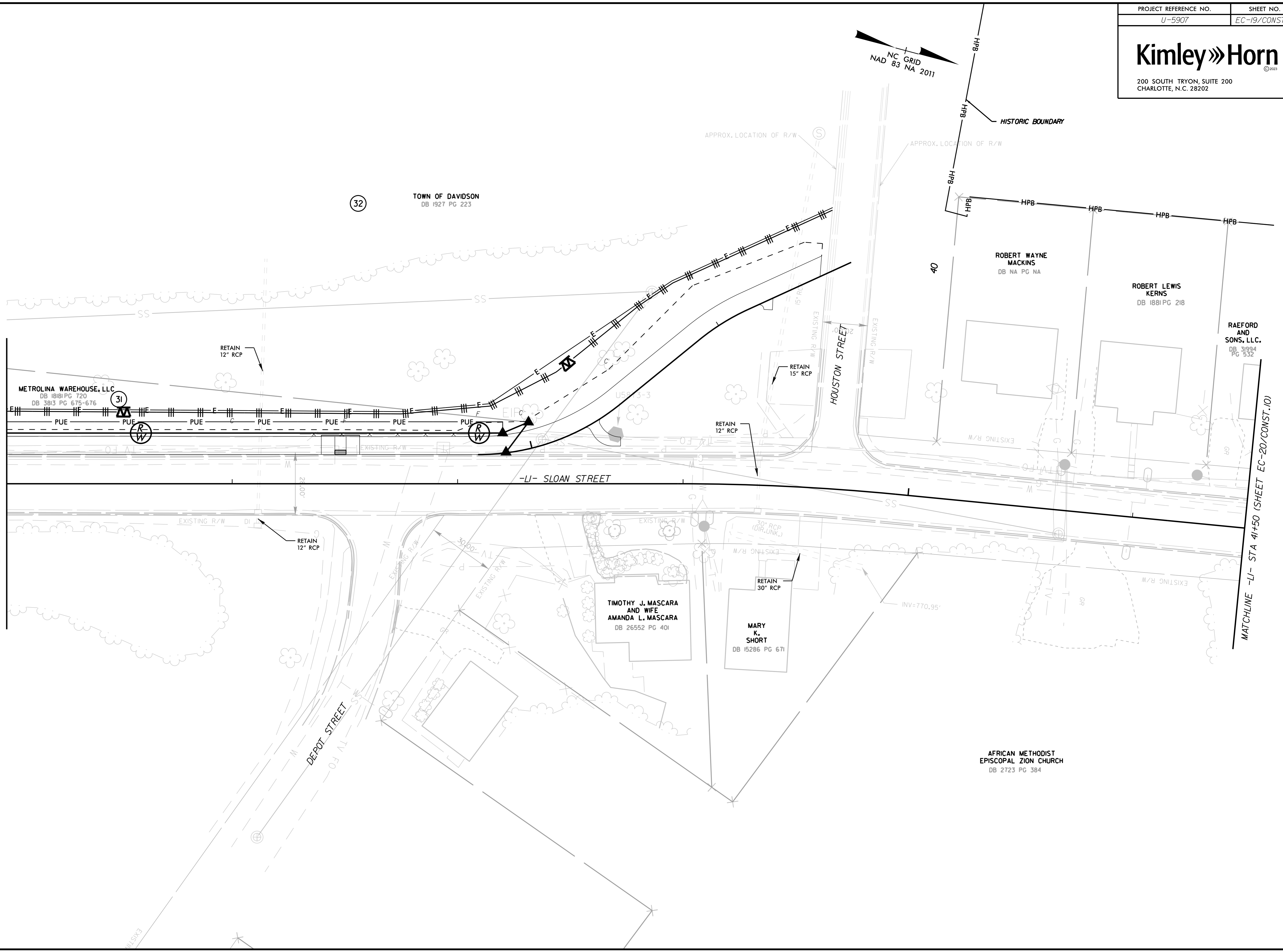


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MATCHLINE -LI- STA 36+00 (SHEET EC-18/CONST.8)

MATCHLINE -LI- STA 41+50 (SHEET EC-20/CONST.10)



32 TOWN OF DAVIDSON  
DB 1927 PG 223

METROLINA WAREHOUSE, LLC  
DB 18181 PG 720  
DB 3813 PG 675-676

ROBERT WAYNE MACKINS  
DB NA PG NA

ROBERT LEWIS KERNS  
DB 1881 PG 218

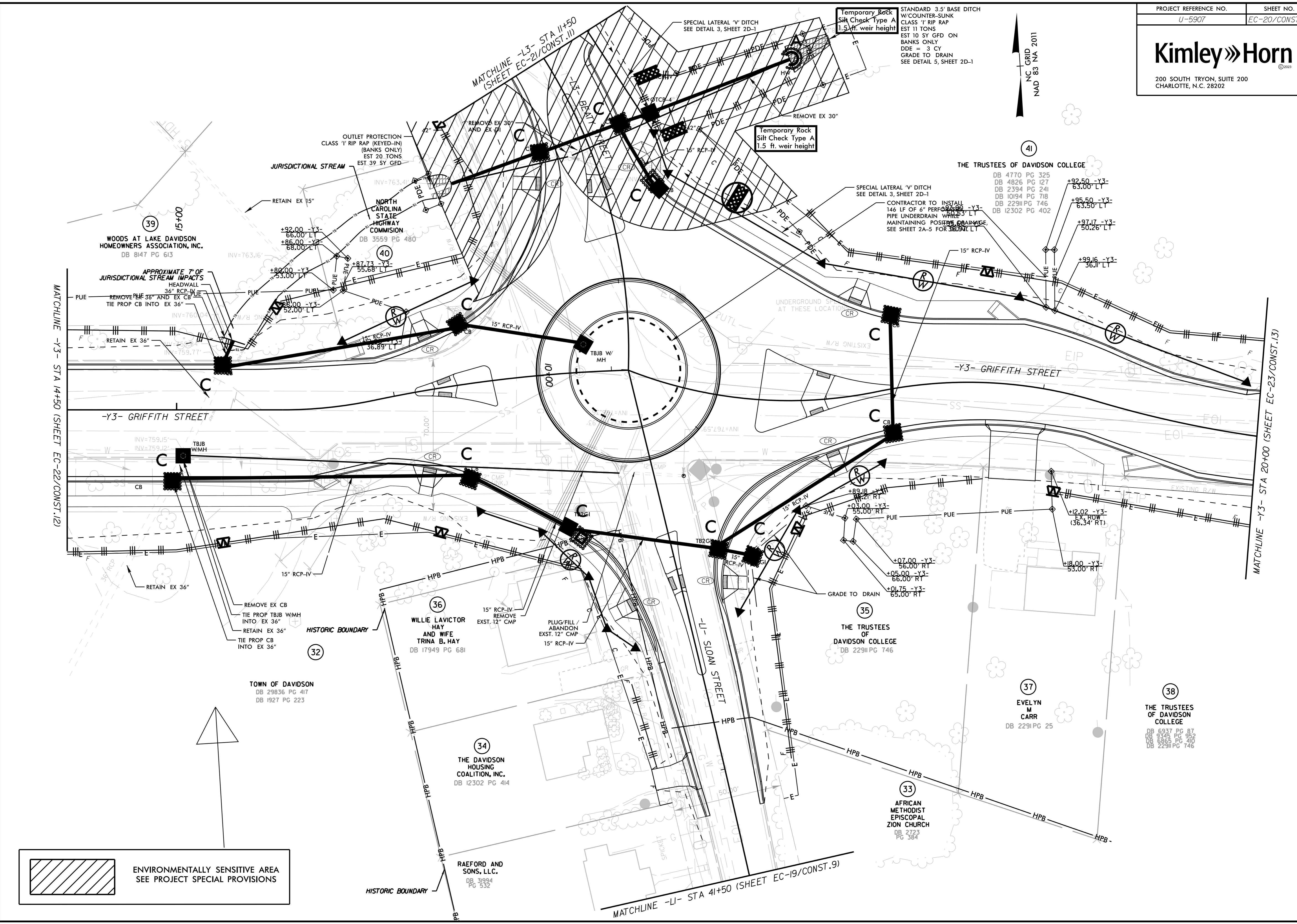
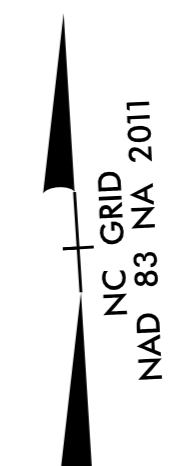
RAEFORD AND SONS, LLC.  
DB 31994 PG 532

TIMOTHY J. MASCARA AND WIFE  
AMANDA L. MASCARA  
DB 26552 PG 401

MARY K. SHORT  
DB 15286 PG 671

AFRICAN METHODIST EPISCOPAL ZION CHURCH  
DB 2723 PG 384

9/8/2023



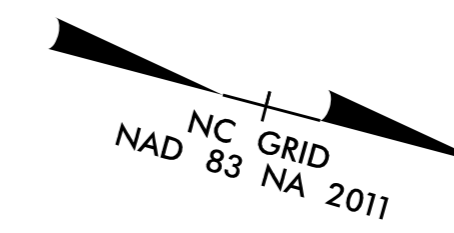
REVISIONS

ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

5/14/199

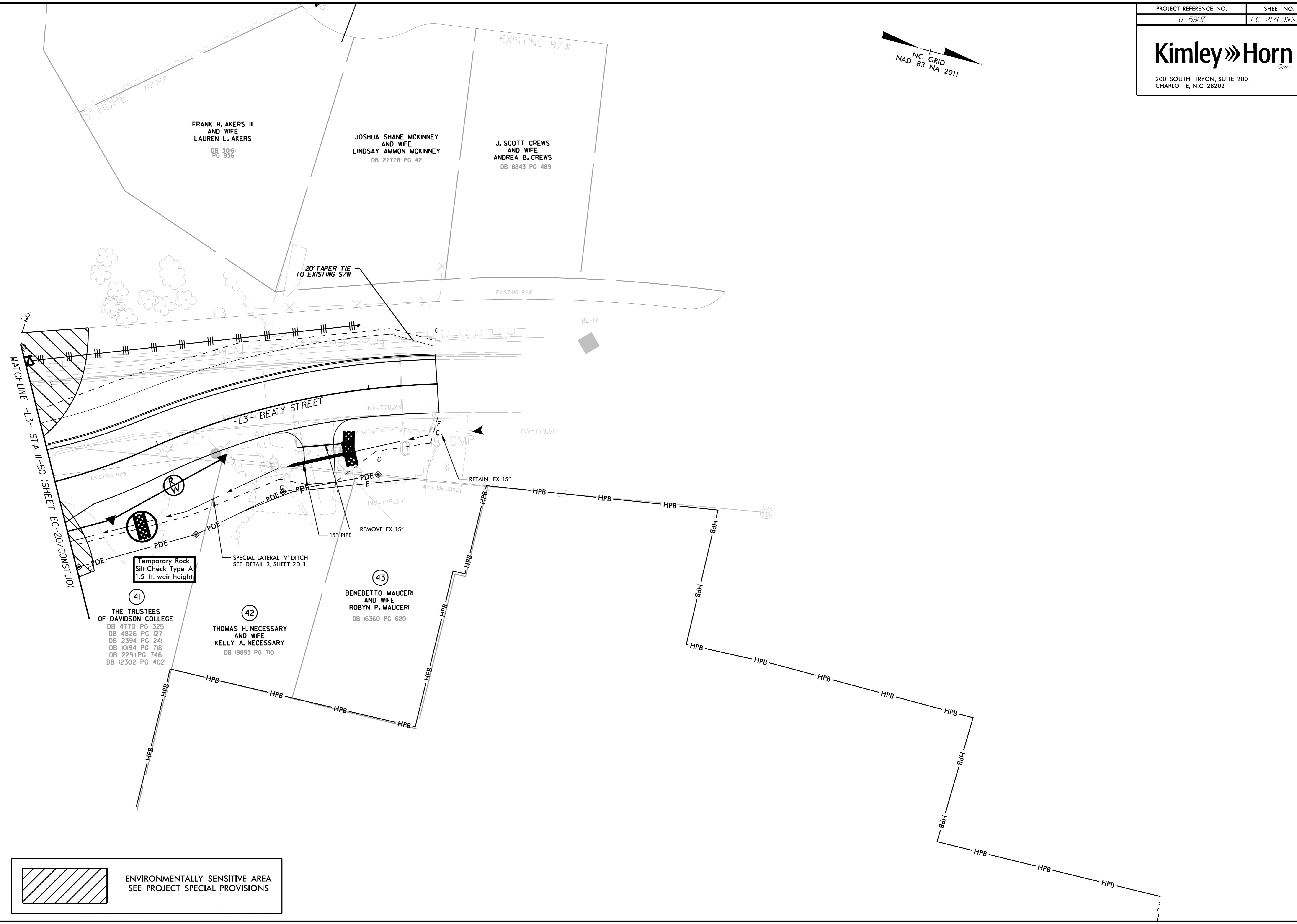
9/8/2023





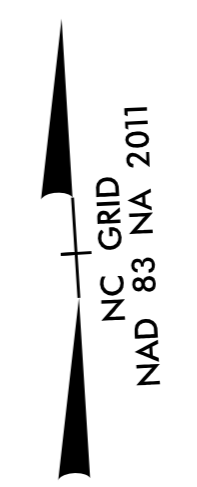
5/14/99

REVISIONS



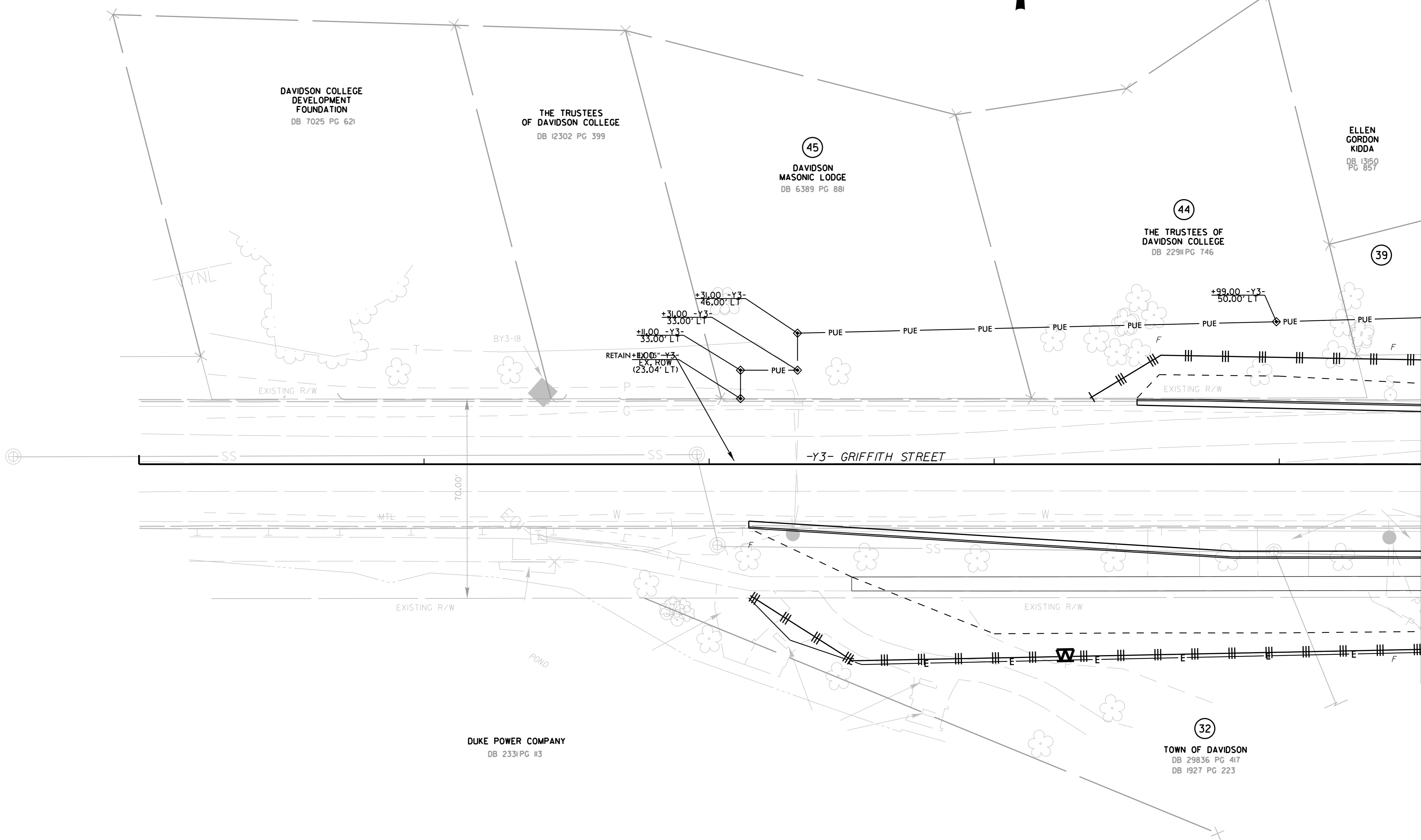
	ENVIRONMENTALLY SENSITIVE AREA SEE PROJECT SPECIAL PROVISIONS
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MATCHLINE -Y3- STA 14+50 (SHEET EC-20/CONST.10)

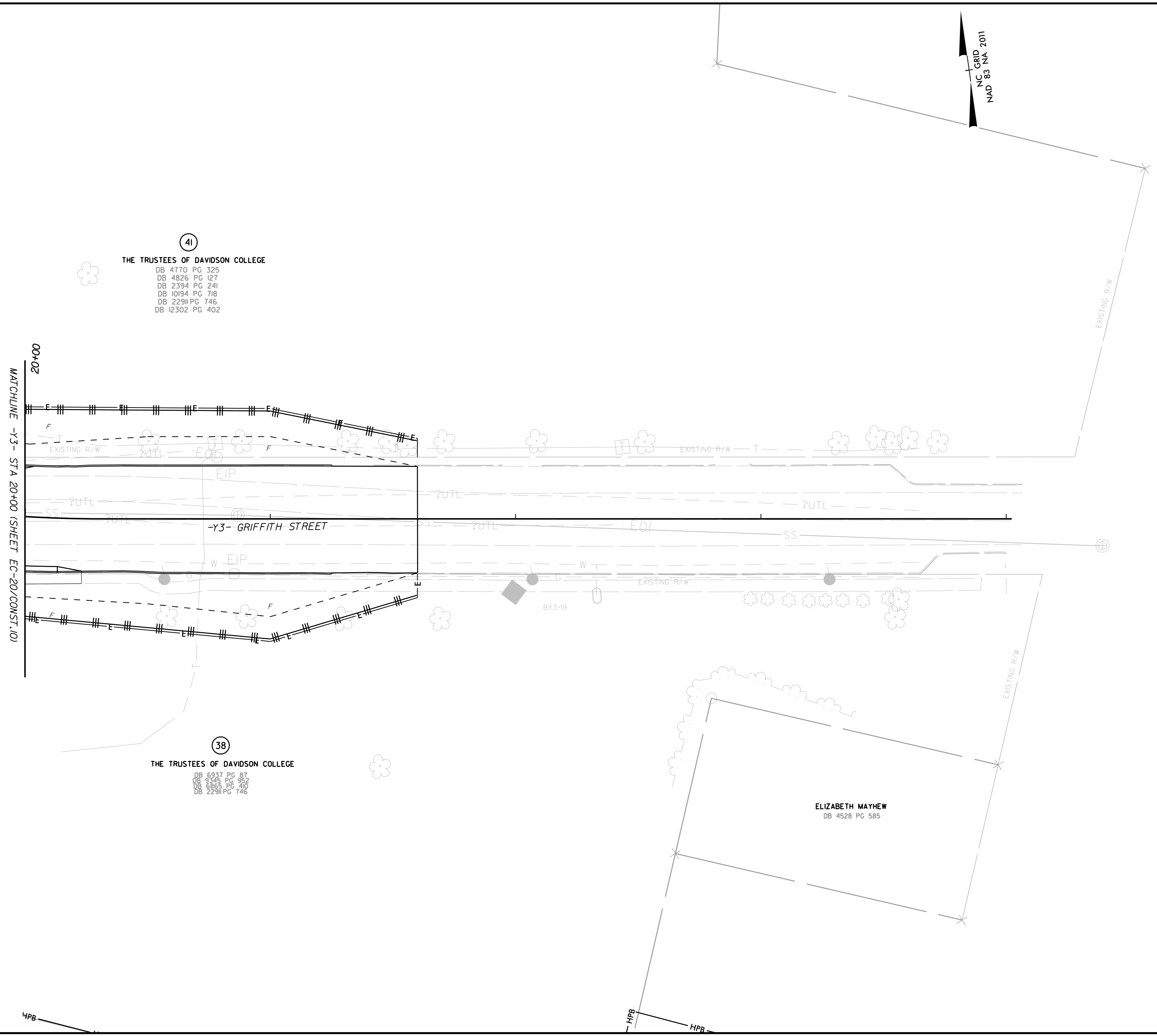
9/8/2023

NC GRID  
NAD 83 NA 2011

41  
THE TRUSTEES OF DAVIDSON COLLEGE  
DB 4770 PG 325  
DB 4826 PG 127  
DB 2394 PG 241  
DB 10194 PG 718  
DB 22911 PG 746  
DB 12302 PG 402

38  
THE TRUSTEES OF DAVIDSON COLLEGE  
DB 6937 PG 87  
DB 9345 PG 952  
DB 6865 PG 410  
DB 22911 PG 746

ELIZABETH MAYHEW  
DB 4528 PG 585



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NO.	DESCRIPTION	DATE

5/14/99

9/8/2023

HPB

HPB

HPB