

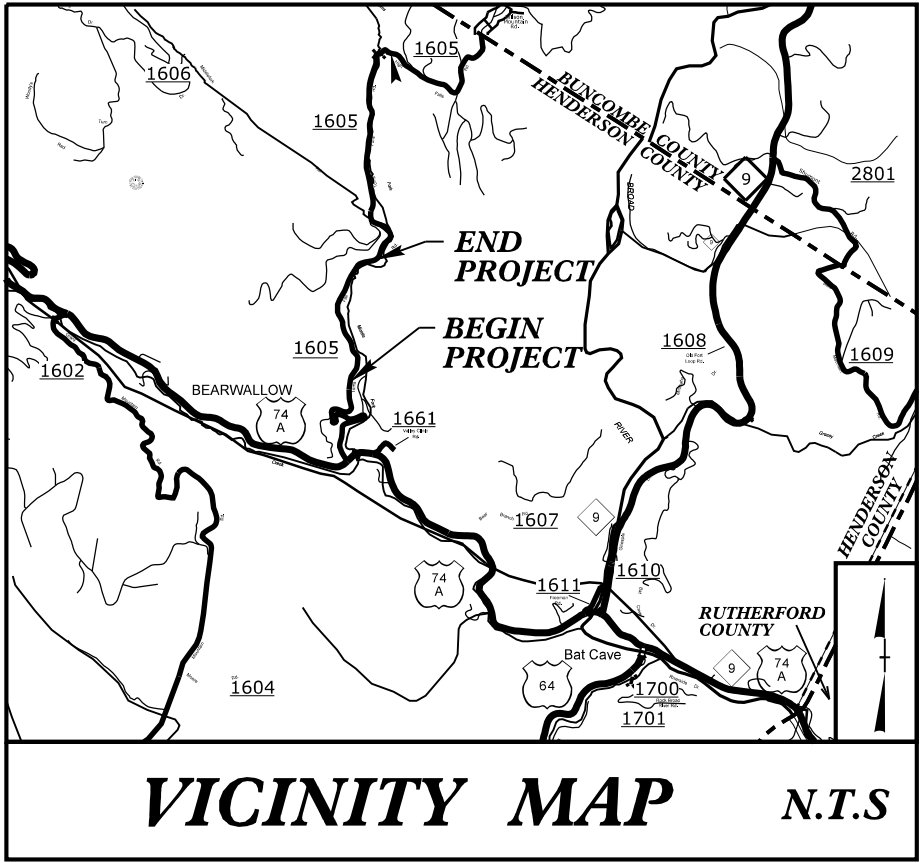
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RS&H-2024-0326
Environmental Quality Division
B Middle Fork Seg B-EC-1-EC-2.dgn
K Swartz

WBS PROJECT:DF18314.2045381



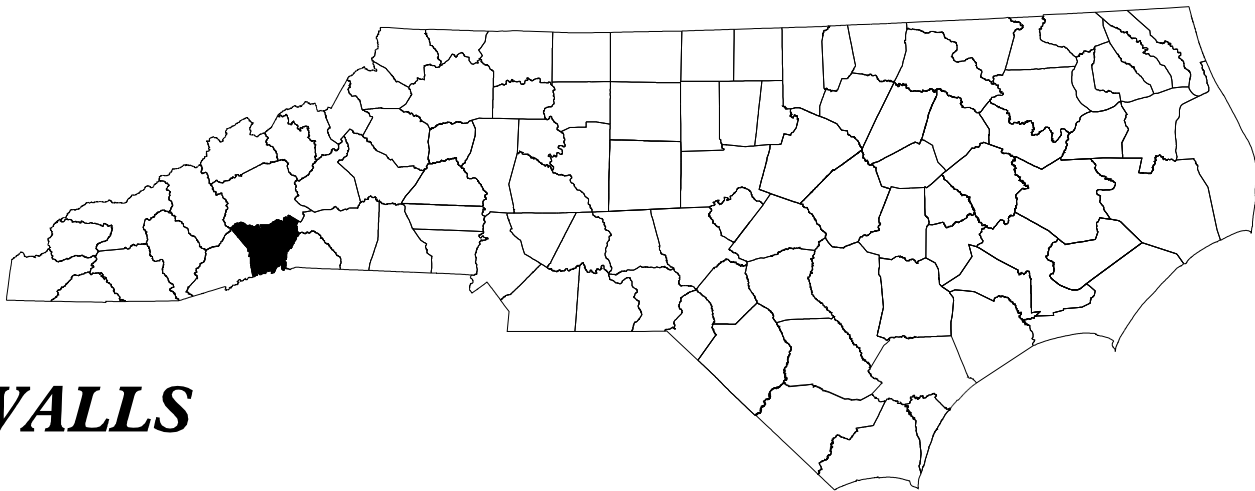
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

HENDERSON COUNTY

LOCATION: EMERGENCY DESIGN FOR SR 1605
(MIDDLE FORK ROAD/TOMS FALLS ROAD)

TYPE OF WORK: GRADING, PAVING, DRAINAGE & RETAINING WALLS

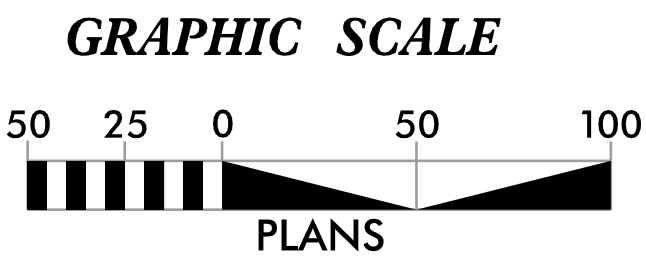
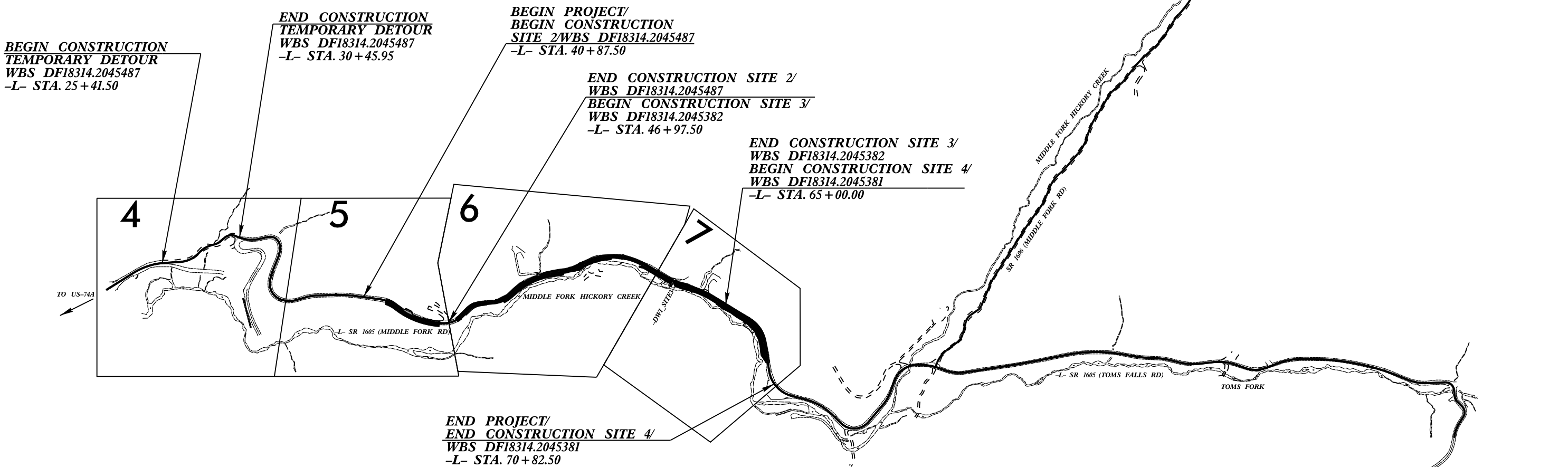
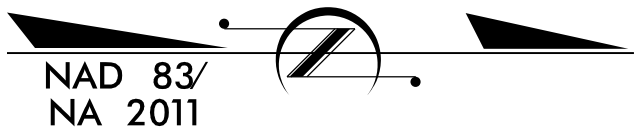


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DF18314.2045381	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
DF18314.2045487		PE, RW, UTIL., CONST.	
DF18314.2045382		PE, RW, UTIL., CONST.	
DF18314.2045381		PE, RW, UTIL., CONST.	

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT

Refer To E. C. Special Provisions for Special Considerations.

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 AND ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER RESOURCES.

RS&H

Prepared in the Office of:

RS&H
8521 SIX FORKS ROAD, SUITE 400
RALEIGH, NC 27615
NC FIRM LICENSE No: F-0493

Designed by:

LILY MCKINNEY 4559
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.

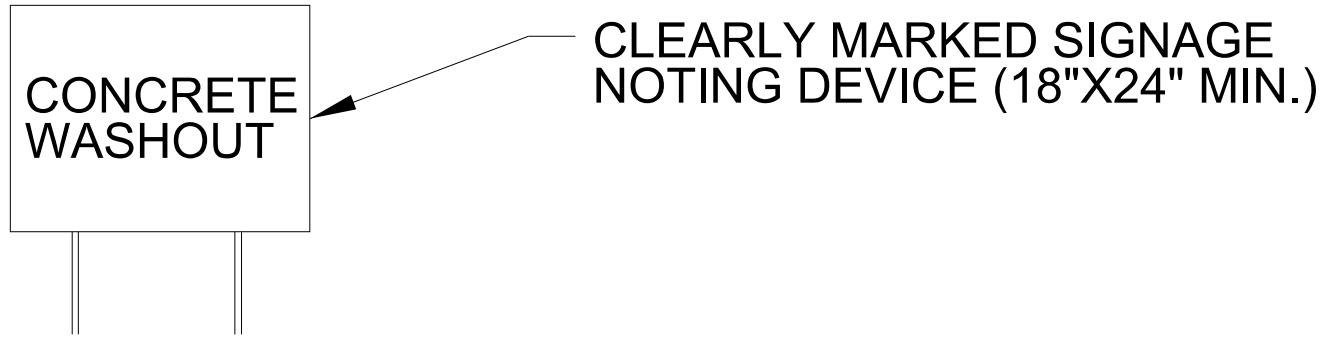
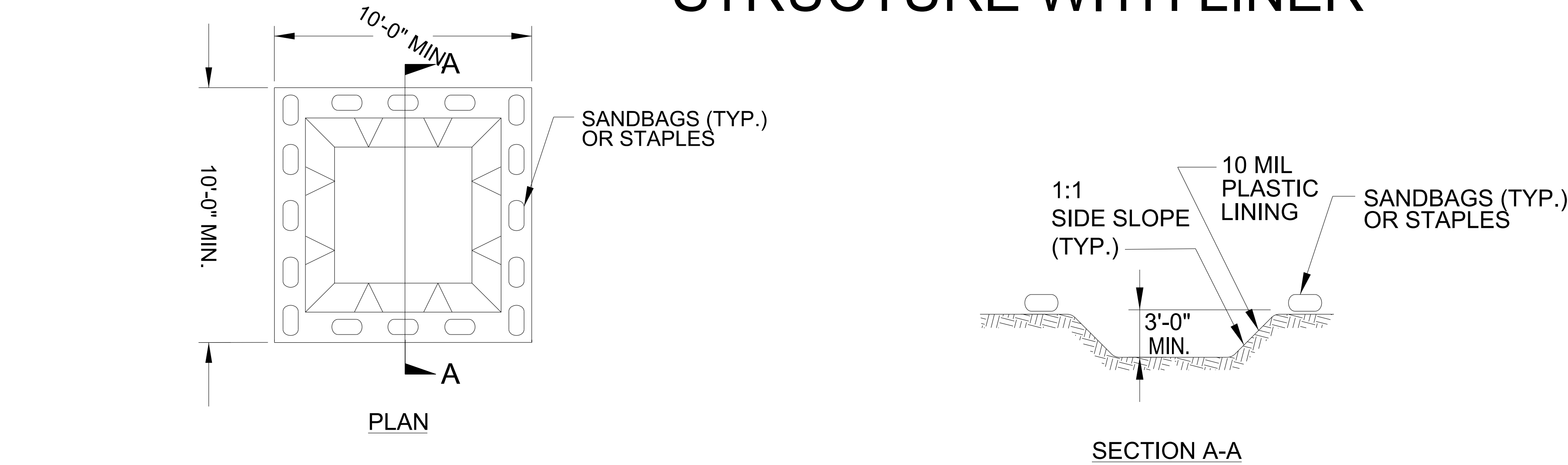
DIVISION OF HIGHWAYS

STATE OF NORTH CAROLINA

EROSION & SEDIMENT CONTROL LEGEND

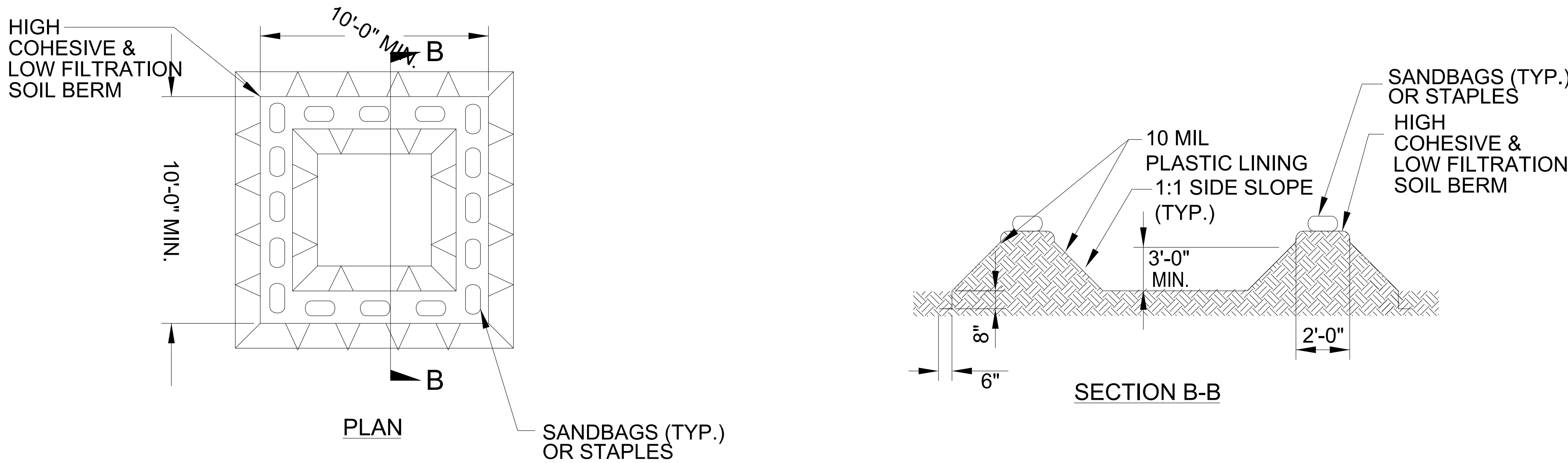
Std. #	Description	Symbol	Std. #	Description	Symbol
1605.01	Temporary Silt Fence		1633.01	Temporary Rock Silt Check Type A	
1606.01	Special Sediment Control Fence		1633.02	Temporary Rock Silt Check Type B	
1622.01	Temporary Berms and Slope Drains		1633.03	Temporary Rock Silt Check Type A with Excelsior 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				

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 CLEARY 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.
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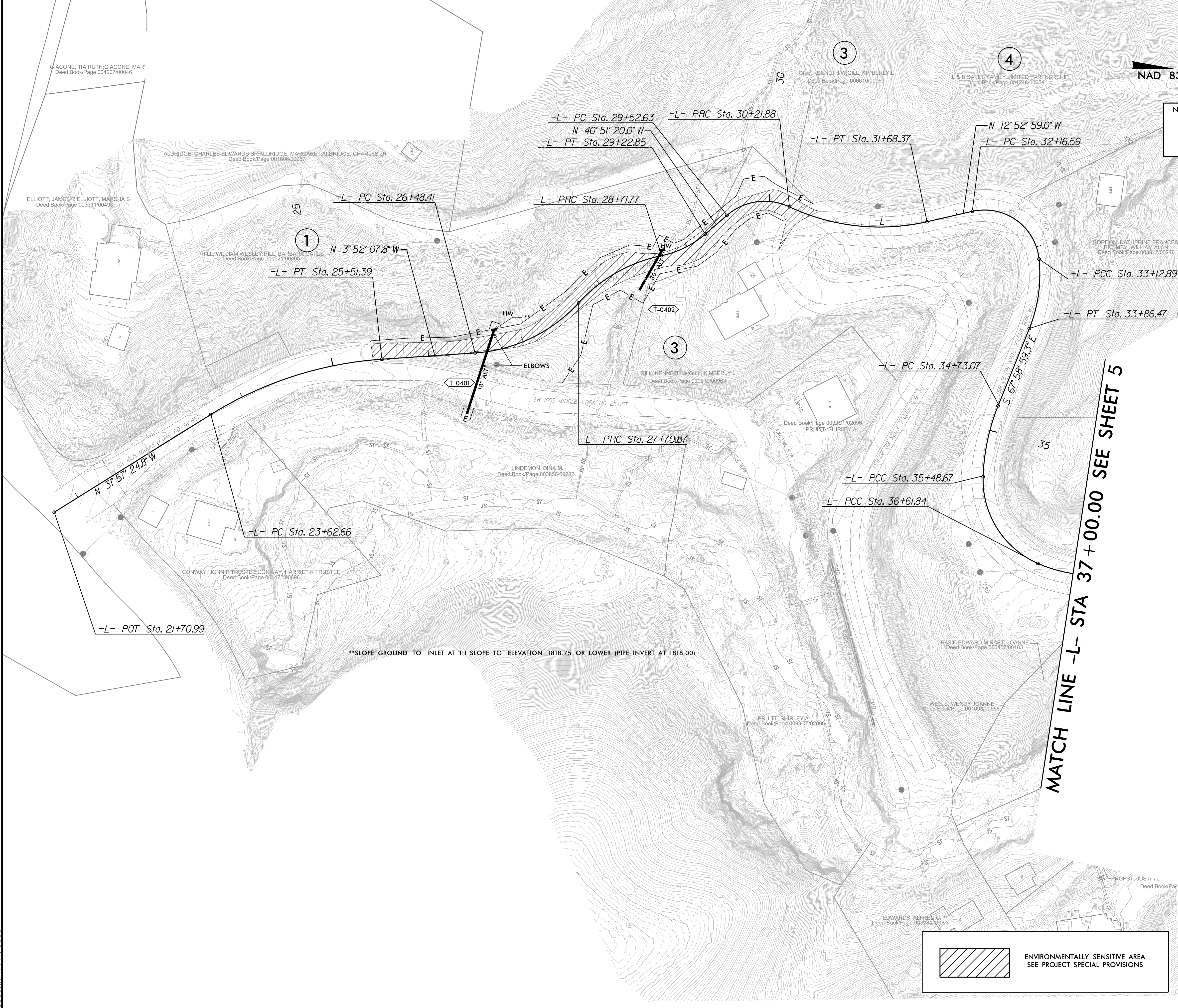
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

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 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

8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
DF18314.2045487	EC-4/CONST.4

RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No. F-0493

NAD 83/NA 2011

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

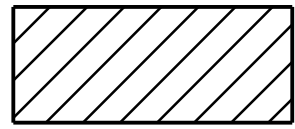
NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 4

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

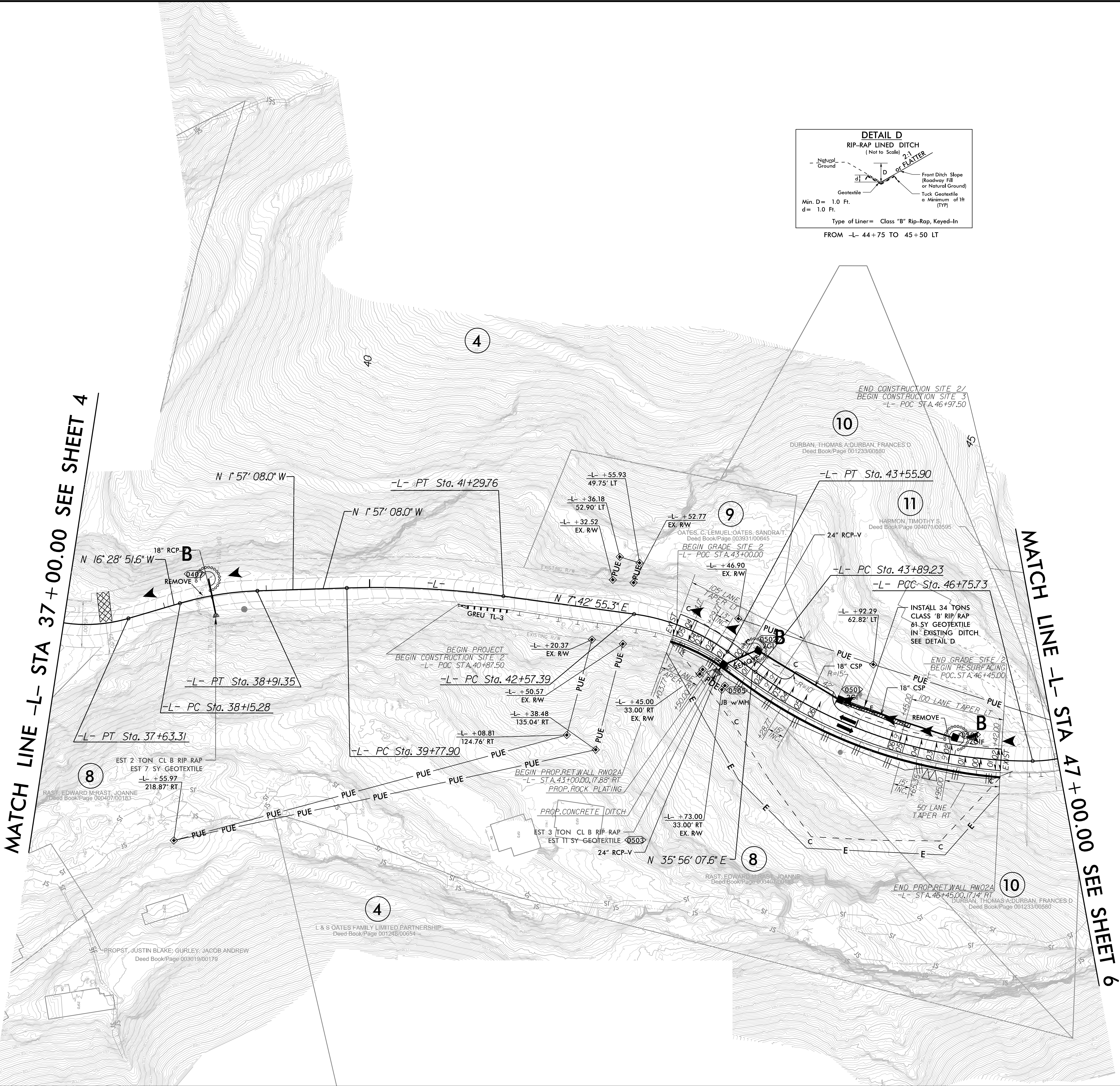
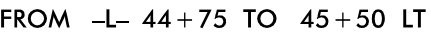
MATCH LINE -L- STA 37+00.00 SEE SHEET 5



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493

NAD 83/NA 2011



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

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CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 5

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

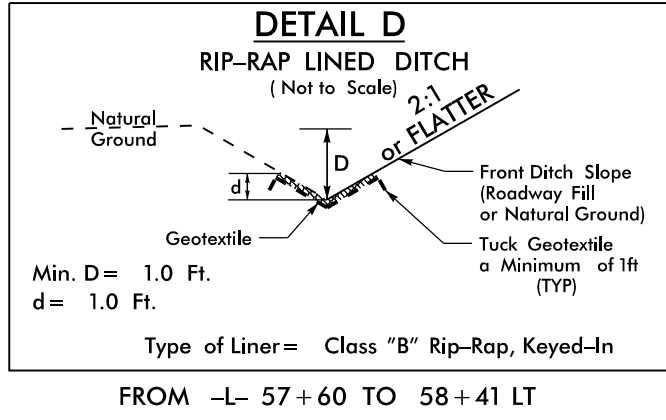
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PROJECT REFERENCE NO.	SHEET NO.
DF18314.2045382	EC-6/CONST.6

RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No. F-0493

NAD 83 N 2011



MATCHLINE -L- STA. 47+00.00 SEE SHEET 5

MATCHLINE -L- STA. 61+00.00 SEE SHEET 7



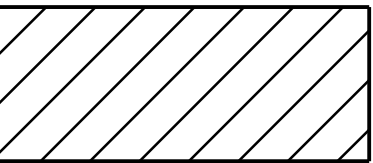
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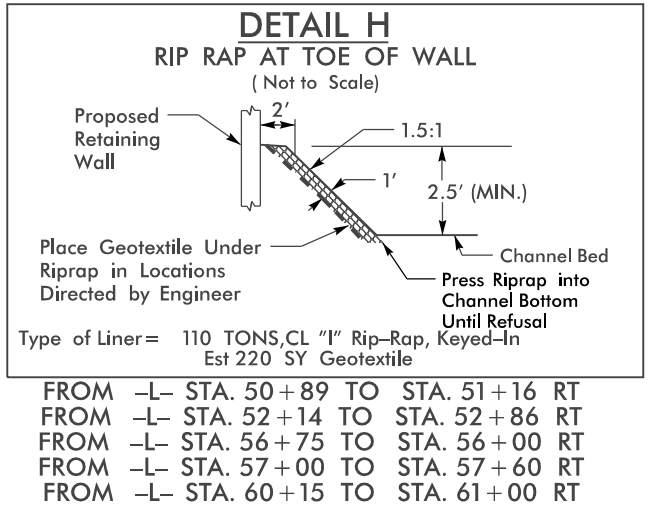
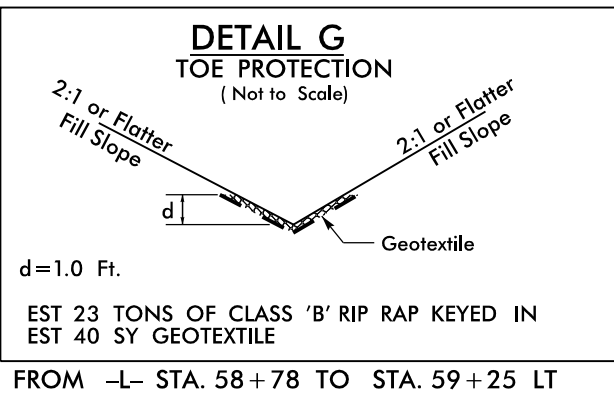
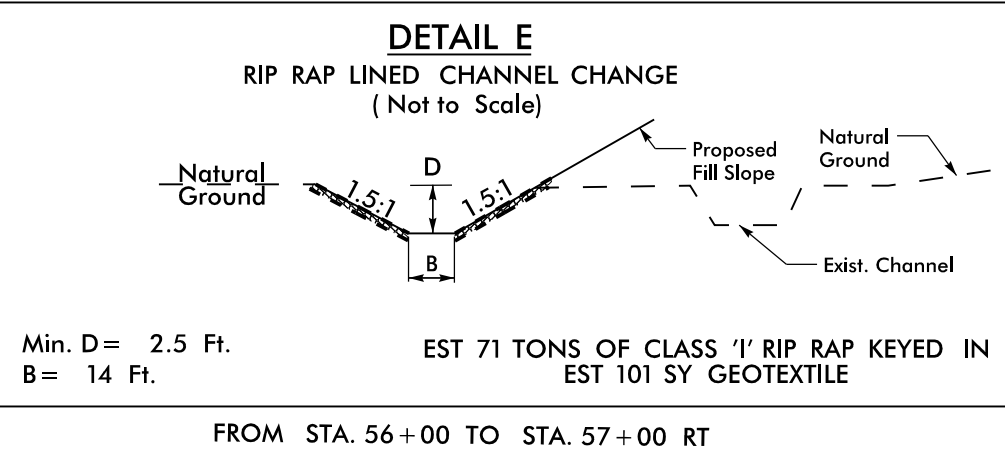
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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 6

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

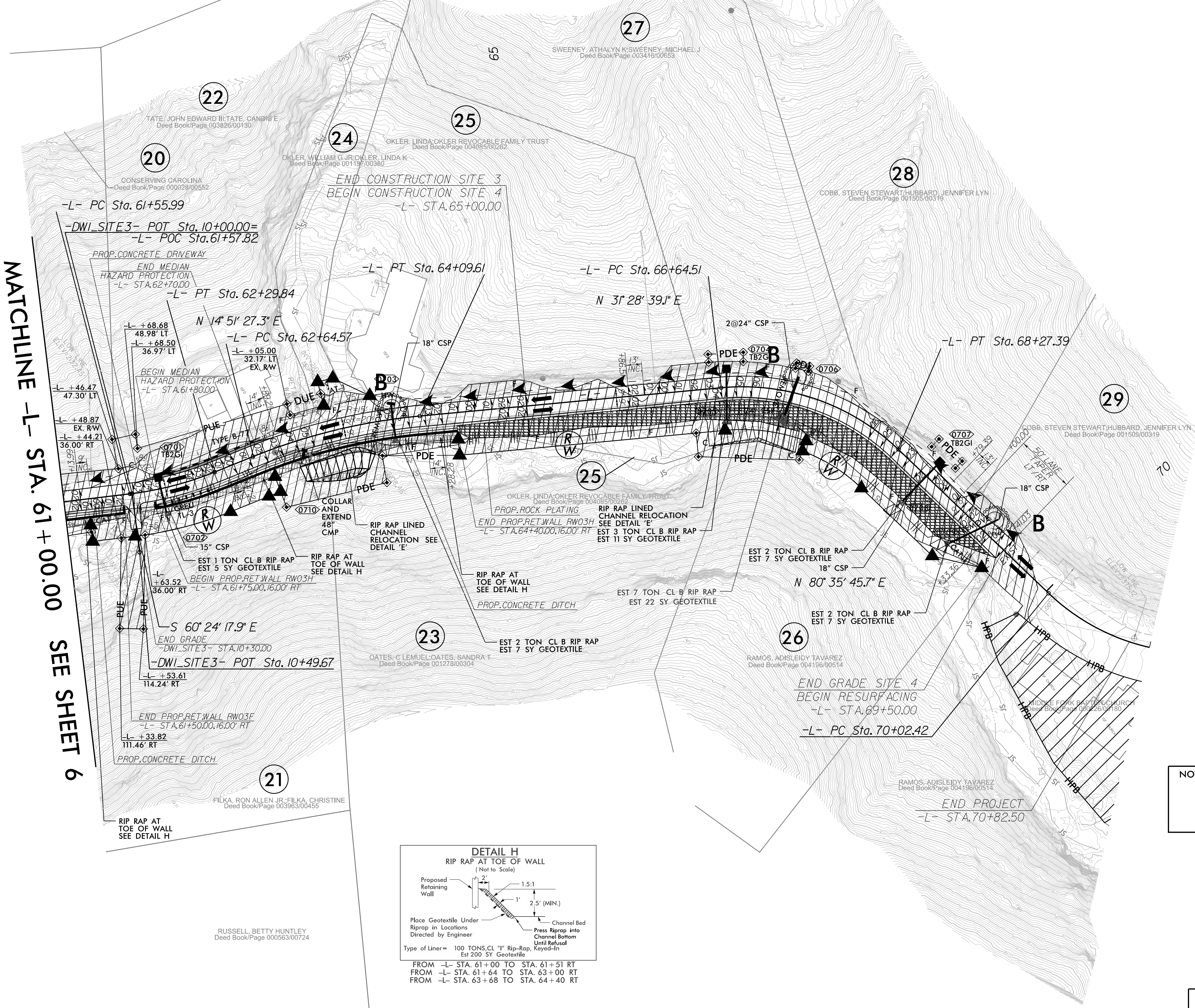
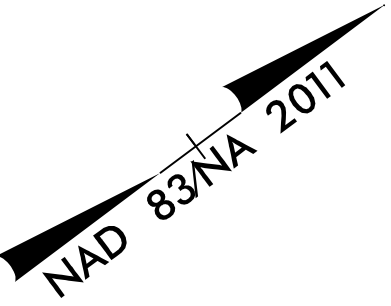


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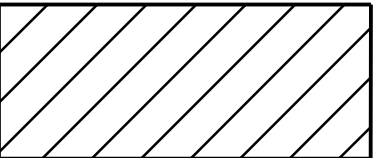
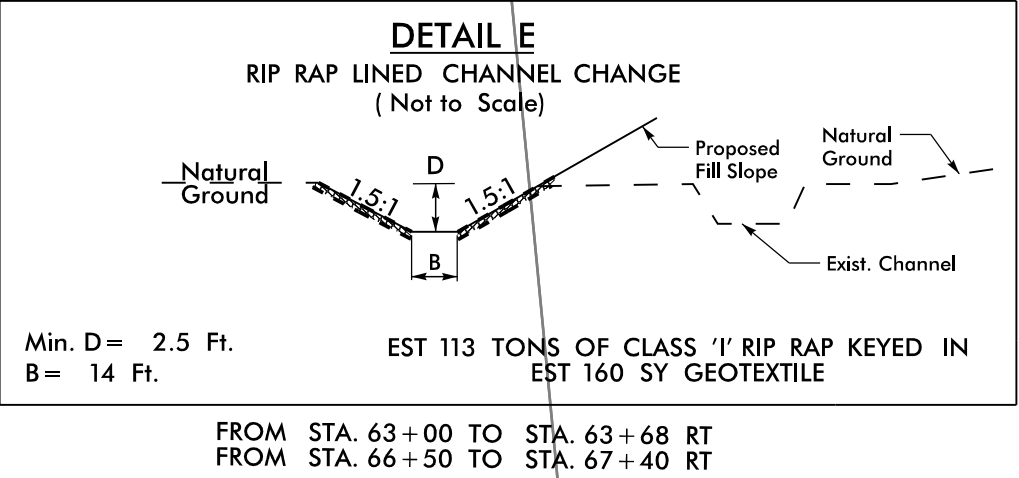
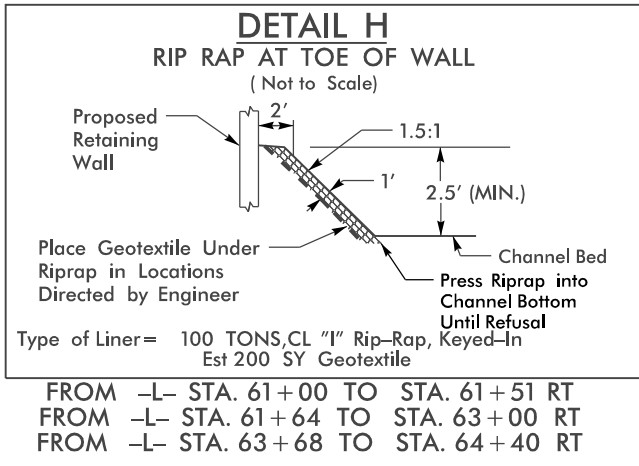
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PROJECT REFERENCE NO.	SHEET NO.
DF18314.2045382/ DF18314.2045381	EC-7/CONST.7

RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493



MATCHLINE -L- STA. 61+00.00 SEE SHEET 6



ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS

NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

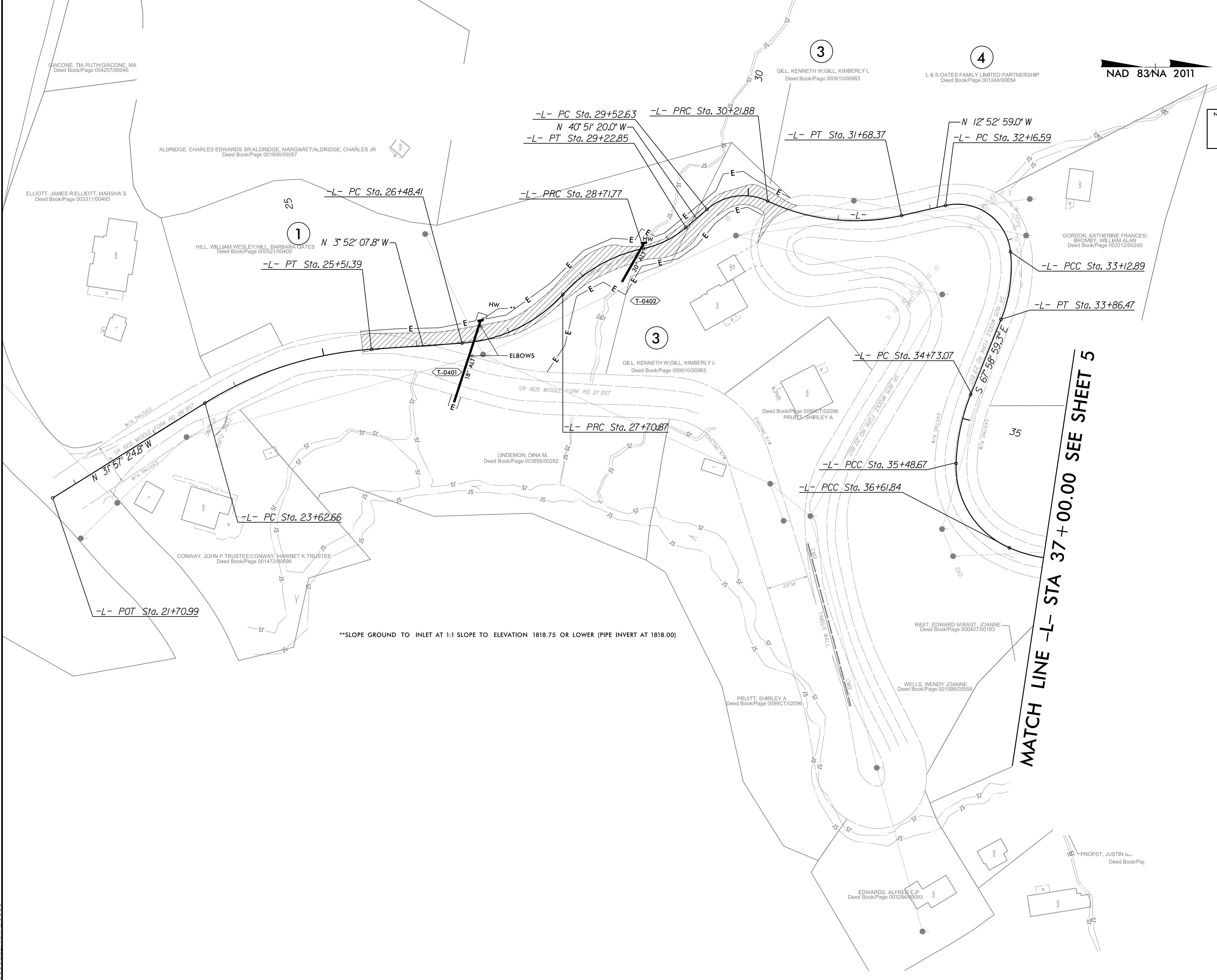
ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 7

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

8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
DF18314.2045487	EC-8/CONST.4

RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493

NAD 83NA 2011

NOTE:
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DEVICES IN LIEU OF ROCK INLET SEDIMENT
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MATCH LINE -L- STA 37+00.00 SEE SHEET 5

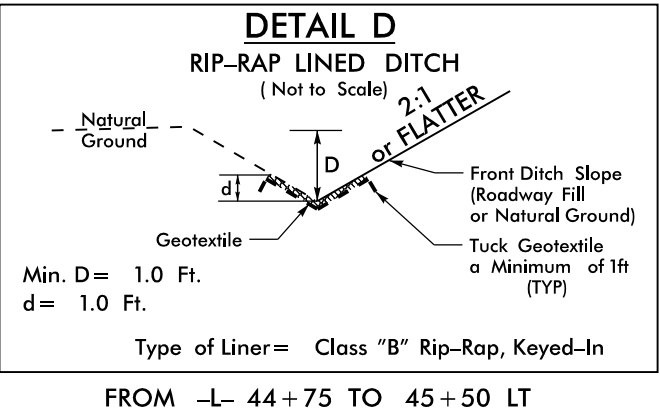
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PROJECT REFERENCE NO.	SHEET NO.
DF18314.2045487	EC-9/CONST.5

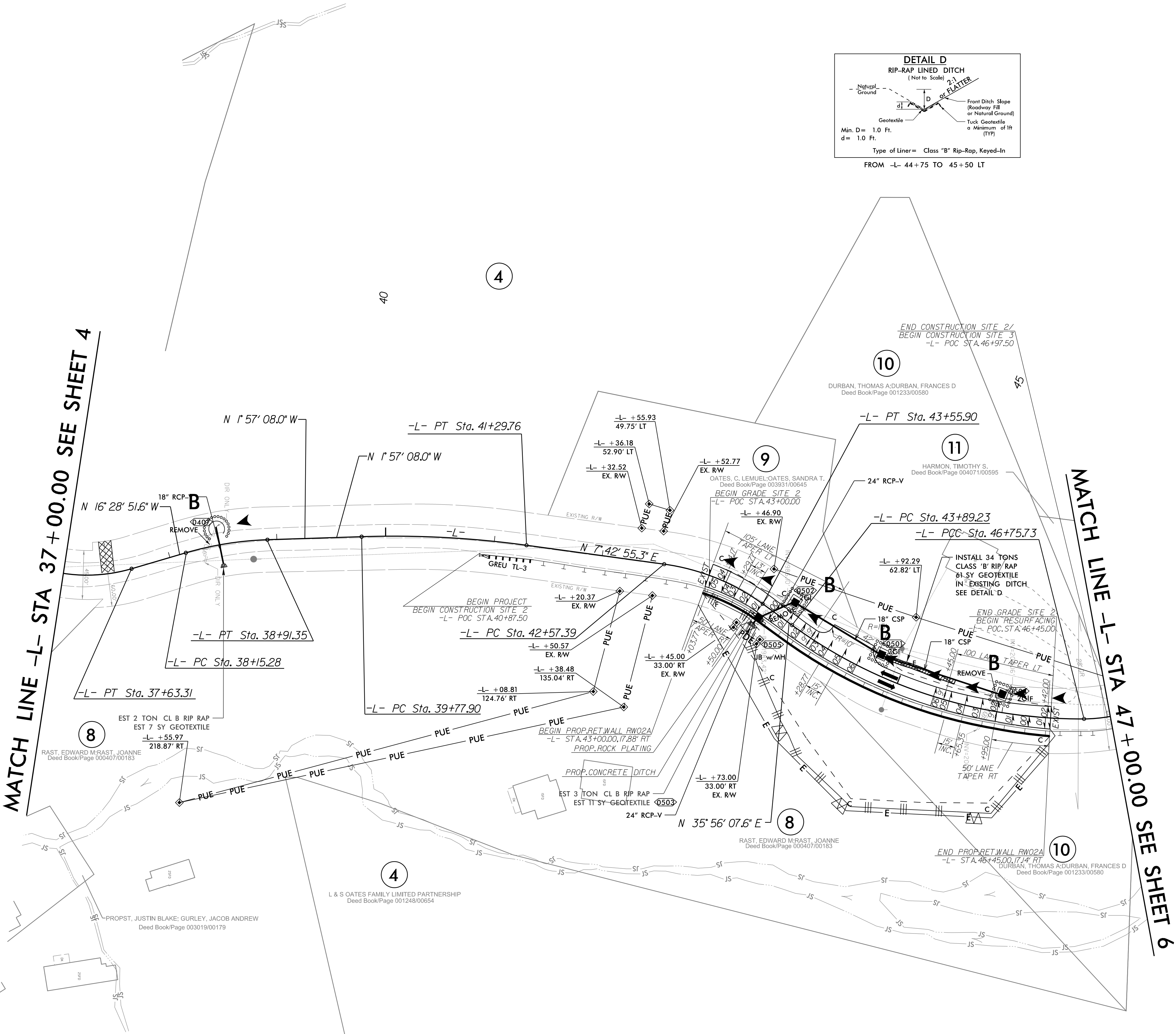
RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493

NAD 83/NA 2011



MATCH LINE -L- STA 37+00.00 SEE SHEET 4

MATCH LINE -L- STA 47+00.00 SEE SHEET 6



NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

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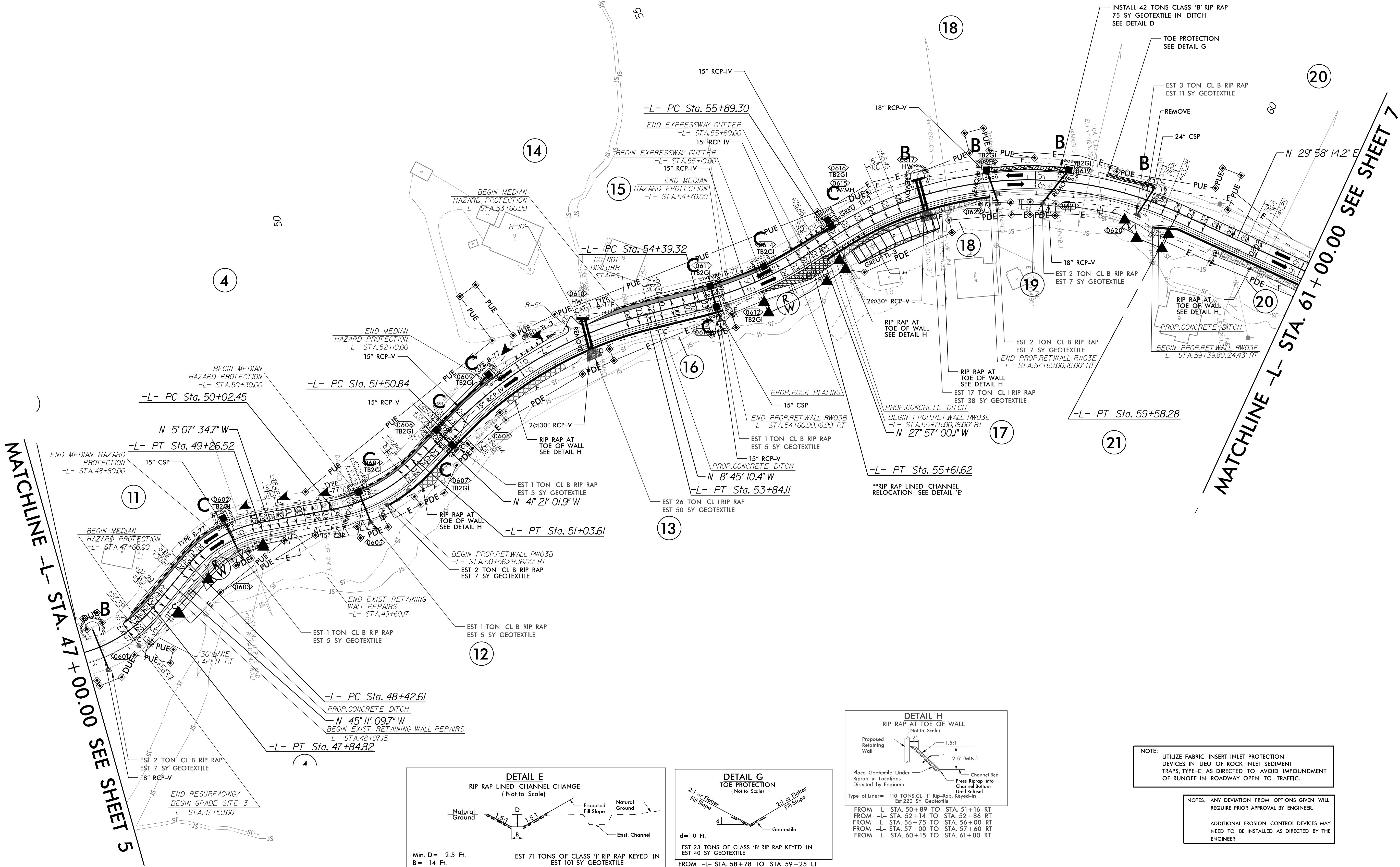
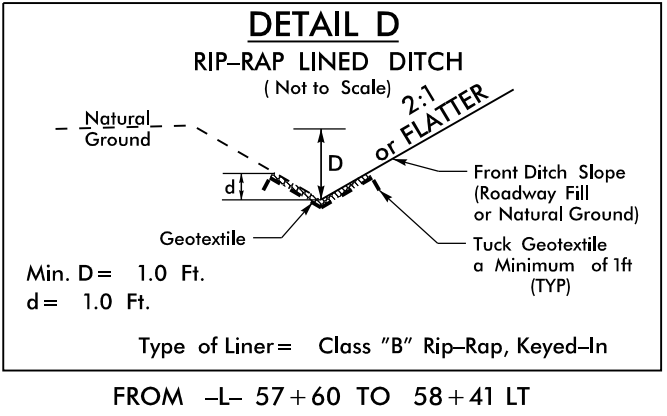
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PROJECT REFERENCE NO.	SHEET NO.
DF18314.2045382	EC-10/CONST.6

RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493

NAD 83/NA 2011



NOTE: UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN LIEU OF ROCK INLET SEDIMENT TRAPS, TYPE-C AS DIRECTED TO AVOID IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

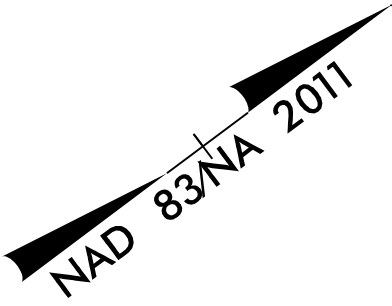
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PROJECT REFERENCE NO.	SHEET NO.
DF18314.2045382/ DF18314.2045381	EC-II/CONST.7

RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493

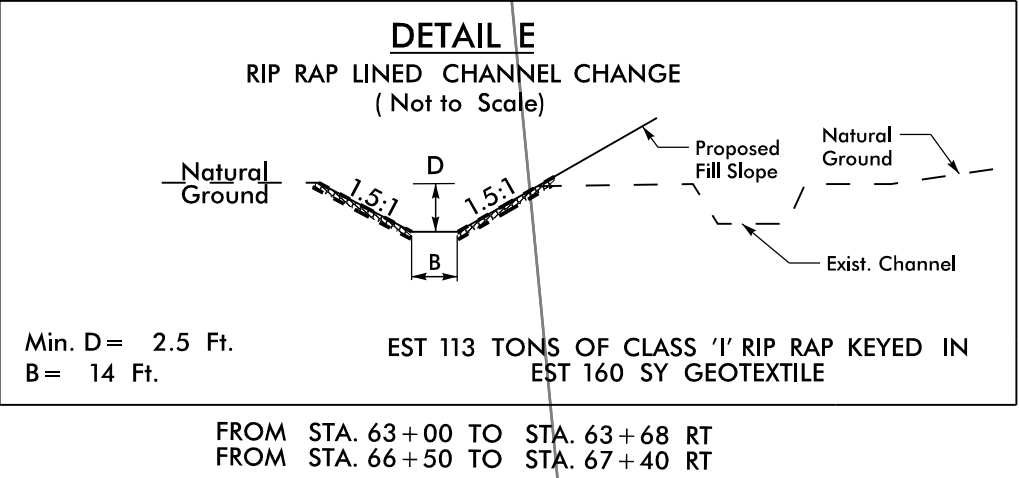
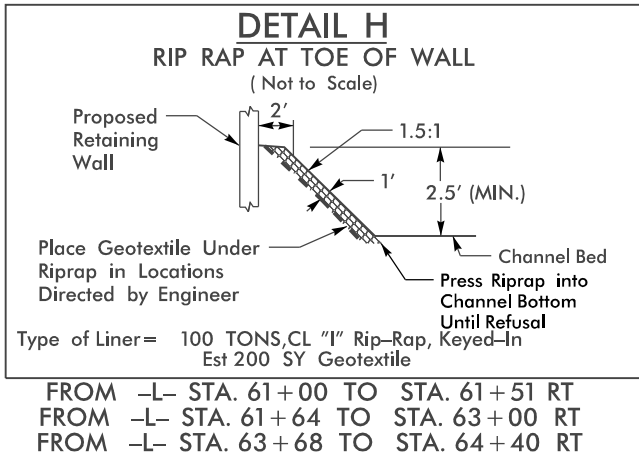
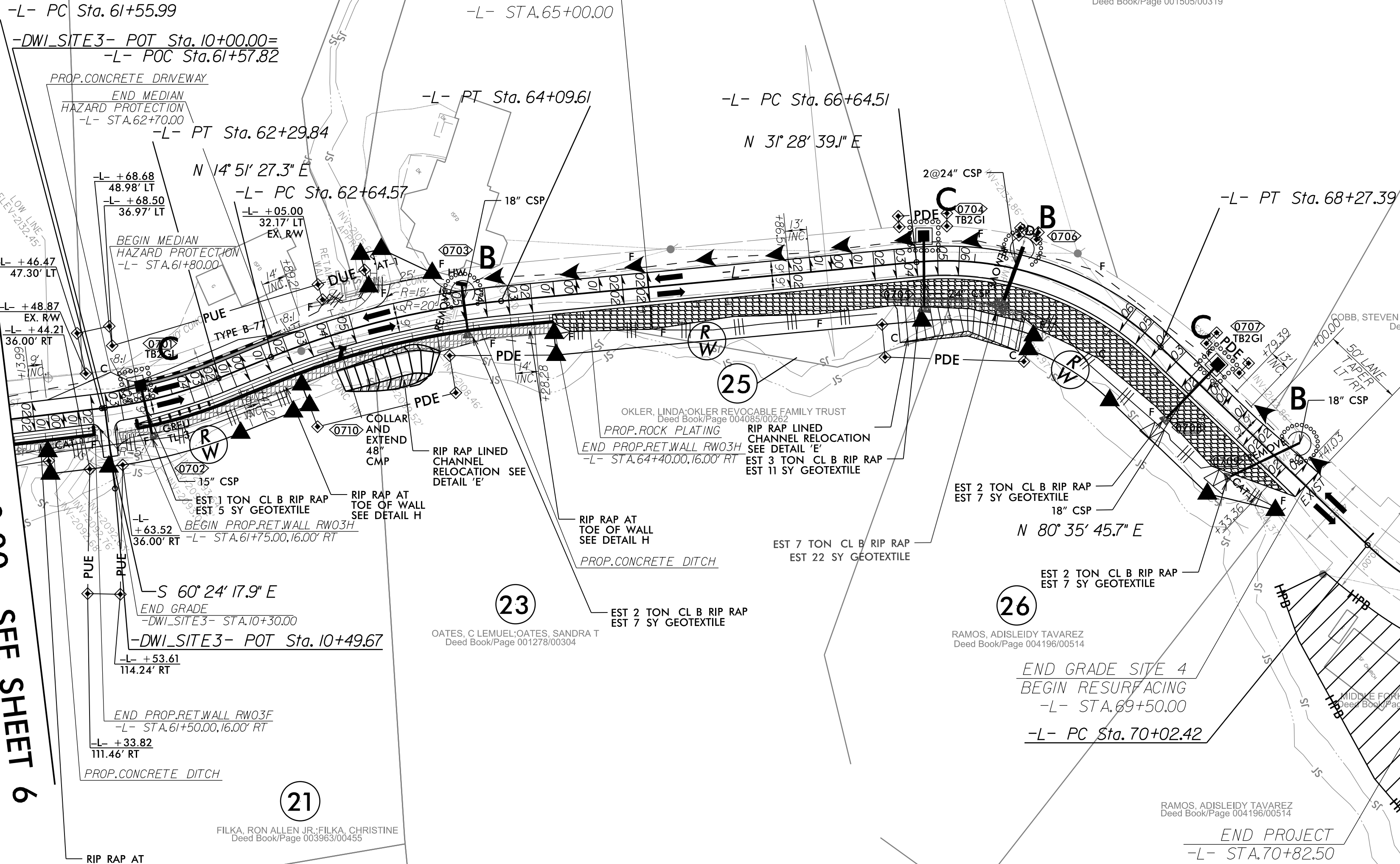


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MATCHLINE -L- STA. 61+00.00 SEE SHEET 6



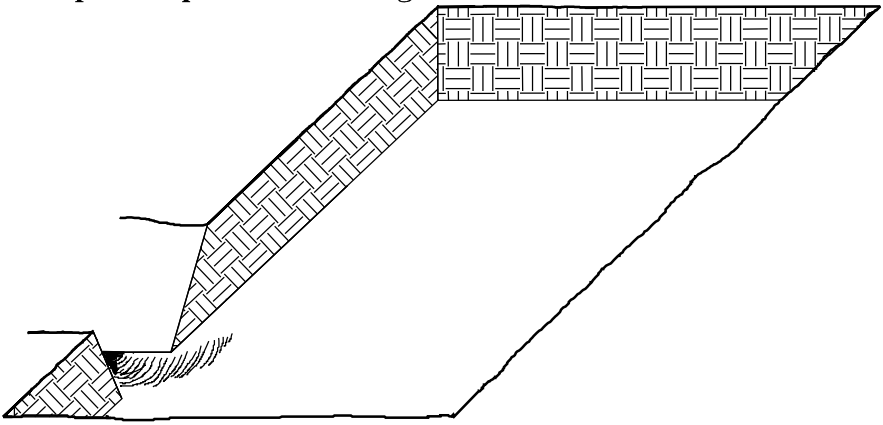
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	DF18314.2045381	RF-1	
STATE PROJ.NO.	F.A.PROJ.NO.	DESCRIPTION	

PLANTING DETAILS

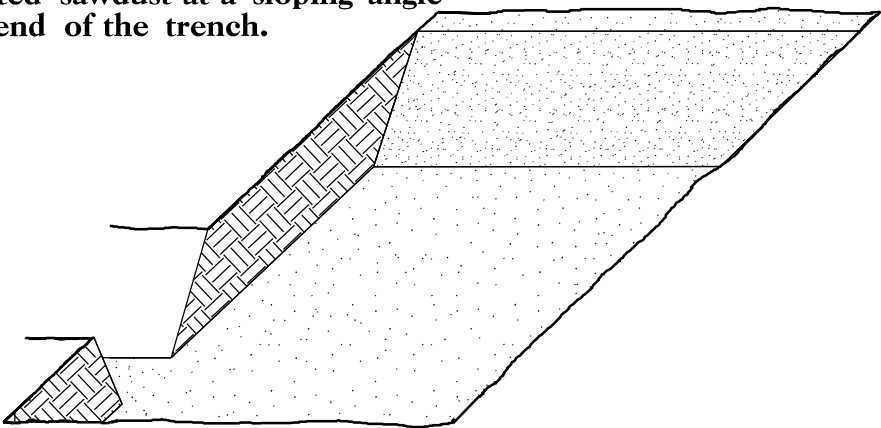
SEEDLING / LINER BAREROOT PLANTING DETAIL

HEALING IN

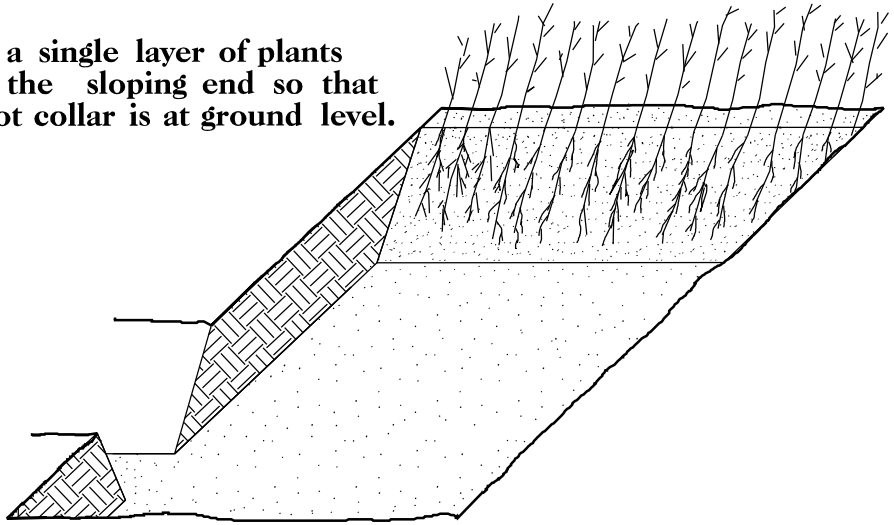
1. Locate a healing-in site in a shady, well protected area.
2. Excavate a flat bottom trench 12 inches deep and provide drainage.



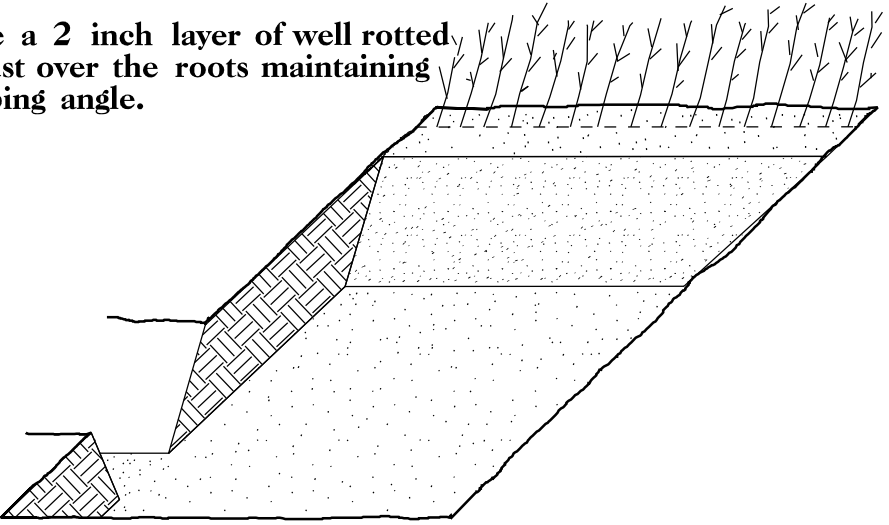
3. Backfill the trench with 2 inches well rotted sawdust. Place a 2 inch layer of well rotted sawdust at a sloping angle at one end of the trench.



4. Place a single layer of plants against the sloping end so that the root collar is at ground level.

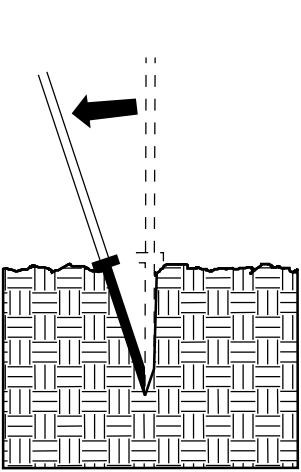


5. Place a 2 inch layer of well rotted sawdust over the roots maintaining a sloping angle.

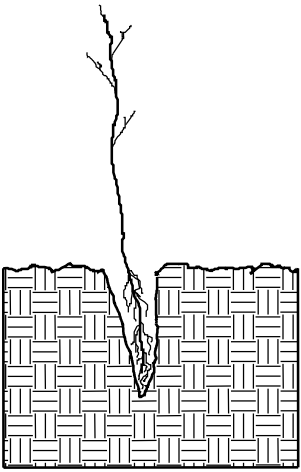


6. Repeat layers of plants and sawdust as necessary and water thoroughly.

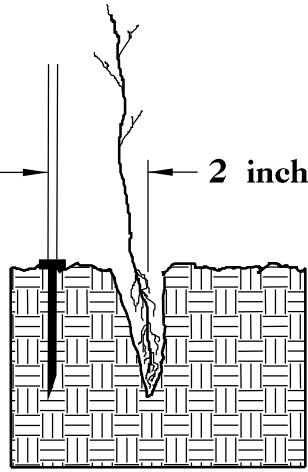
DIBBLE PLANTING METHOD
USING THE KBC PLANTING BAR



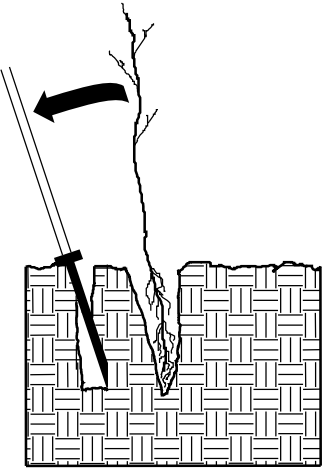
1. Insert planting bar as shown and pull handle toward planter.



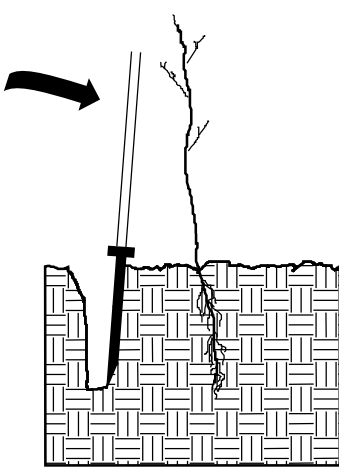
2. Remove planting bar and place seedling at correct depth.



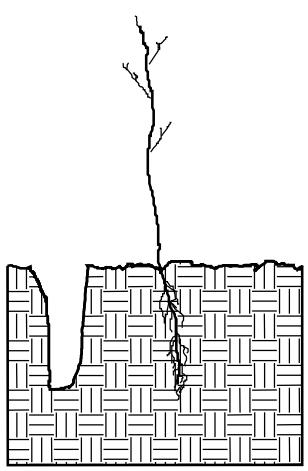
3. Insert planting bar 2 inches toward planter from seedling.



4. Pull handle of bar toward planter, firming soil at bottom.



5. Push handle forward firming soil at top.

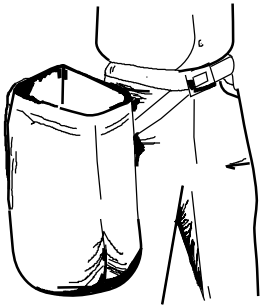


6. Leave compaction hole open. Water thoroughly.

PLANTING NOTES:

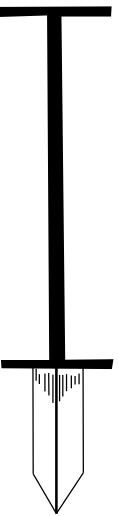
PLANTING BAG

During planting, seedlings shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.



KBC PLANTING BAR

Planting bar shall have a blade with a triangular cross section, and shall be 12 inches long, 4 inches wide and 1 inch thick at center.



ROOT PRUNING

All seedlings shall be root pruned, if necessary, so that no roots extend more than 10 inches below the root collar.

REFORESTATION

- ☐ TREE REFORESTATION SHALL BE PLANTED 6 FT. TO 10 FT. ON CENTER, RANDOM SPACING, AVERAGING 8 FT. ON CENTER, APPROXIMATELY 680 PLANTS PER ACRE.

REFORESTATION

MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:

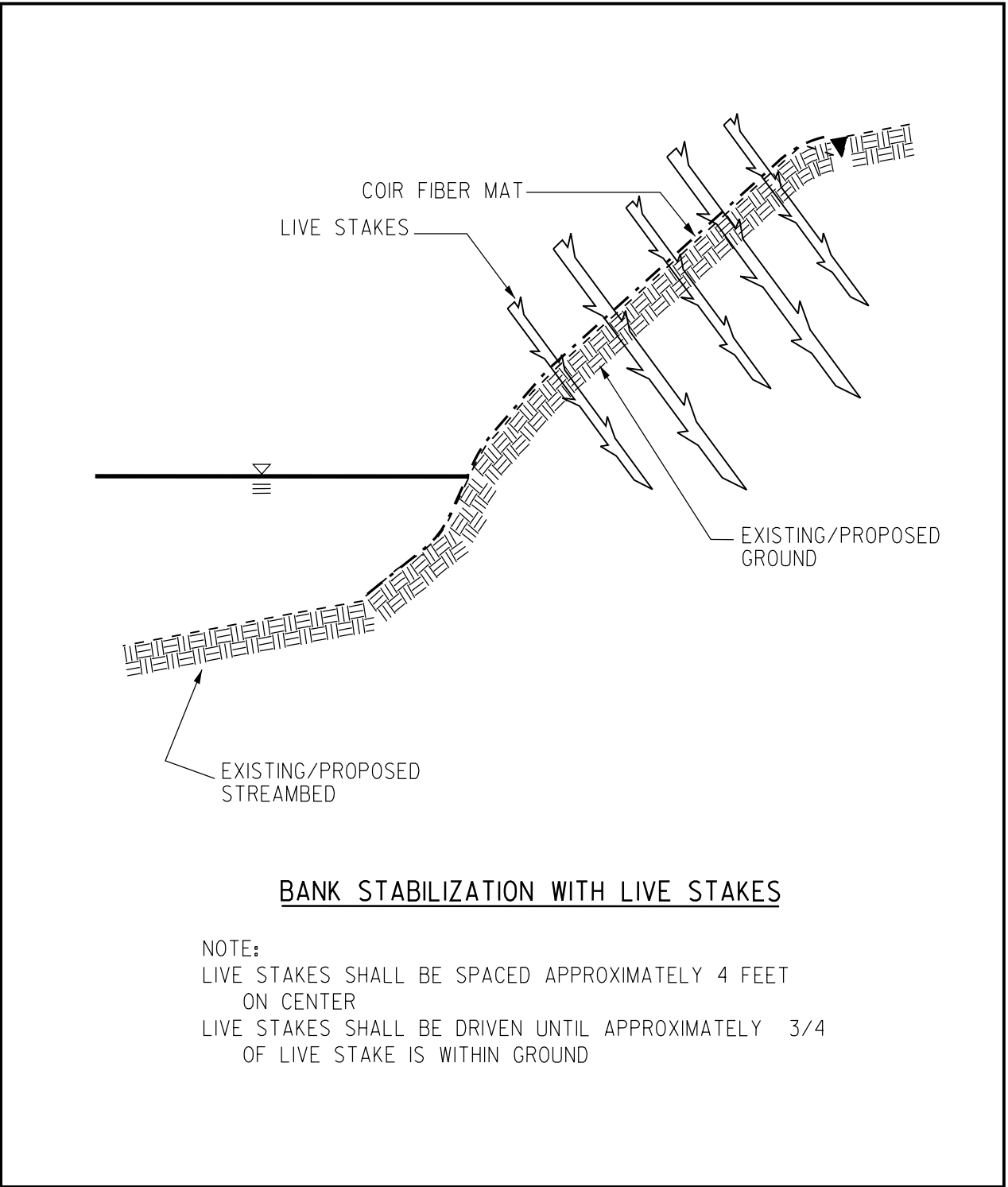
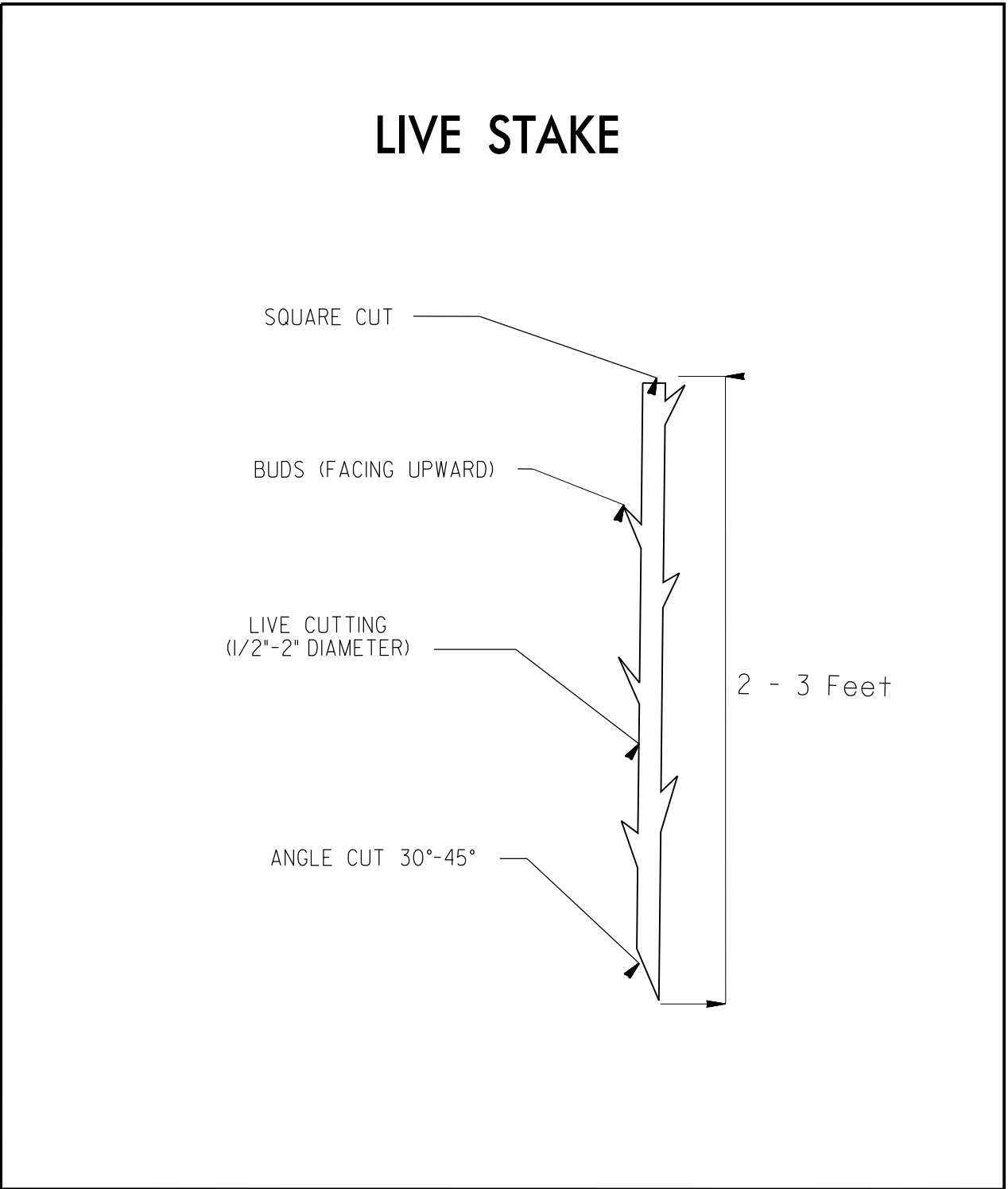
25%	LIRIODENDRON TULIPIFERA	TULIP POPLAR	12 in – 18 in BR
25%	PLATANUS OCCIDENTALIS	AMERICAN SYCAMORE	12 in – 18 in BR
25%	FRAXINUS PENNSYLVANICA	GREEN ASH	12 in – 18 in BR
25%	BETULA NIGRA	RIVER BIRCH	12 in – 18 in BR

REFORESTATION DETAIL SHEET

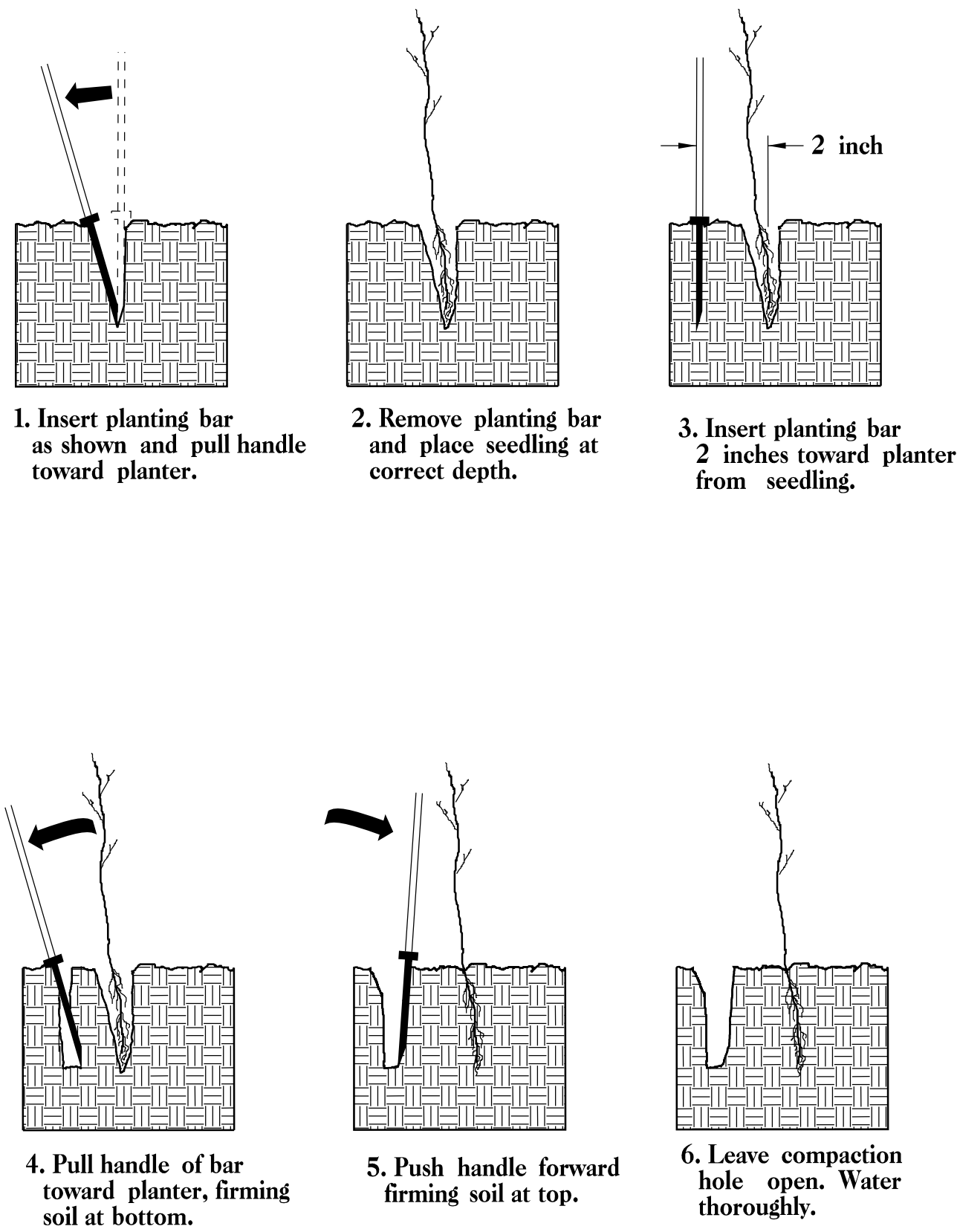
N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT

PLANTING DETAILS

LIVE STAKES PLANTING DETAIL

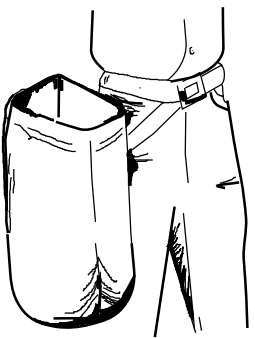


BAREROOT PLANTING DETAIL
DIBBLE PLANTING METHOD
USING THE KBC PLANTING BAR

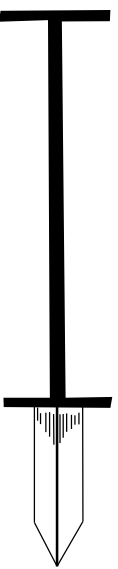


PLANTING NOTES:

PLANTING BAG
During planting, seedlings shall be kept in a moist canvas bag or similar container to prevent the root systems from drying.



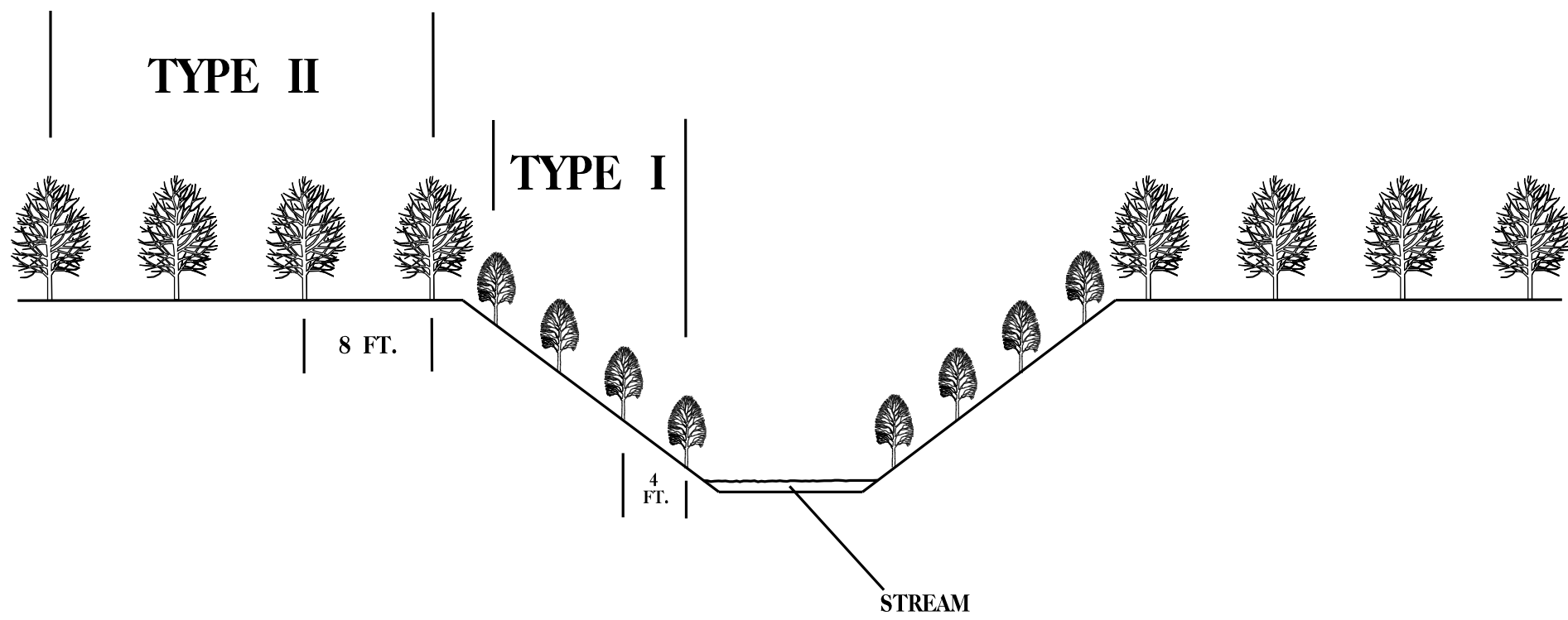
KBC PLANTING BAR
Planting bar shall have a blade with a triangular cross section, and shall be 12 inches long, 4 inches wide and 1 inch thick at center.



ROOT PRUNING
All seedlings shall be root pruned, if necessary, so that no roots extend more than 10 inches below the root collar.

- ☐ **TYPE 1 STREAMBANK REFORESTATION SHALL BE PLANTED 3 FT. TO 5 FT. ON CENTER, RANDOM SPACING, AVERAGING 4 FT. ON CENTER, APPROXIMATELY 2724 PLANTS PER ACRE.**
- ☐ **TYPE 2 STREAMBANK REFORESTATION SHALL BE PLANTED 6 FT. TO 10 FT. ON CENTER, RANDOM SPACING, AVERAGING 8 FT. ON CENTER, APPROXIMATELY 680 PLANTS PER ACRE.**
- ☐ **NOTE: TYPE 1 AND TYPE 2 STREAMBANK REFORESTATION SHALL BE PAID FOR AS "STREAMBANK REFORESTATION"**

STREAMBANK REFORESTATION TYPICAL



STREAMBANK REFORESTATION

MIXTURE, TYPE, SIZE, AND FURNISH SHALL CONFORM TO THE FOLLOWING:

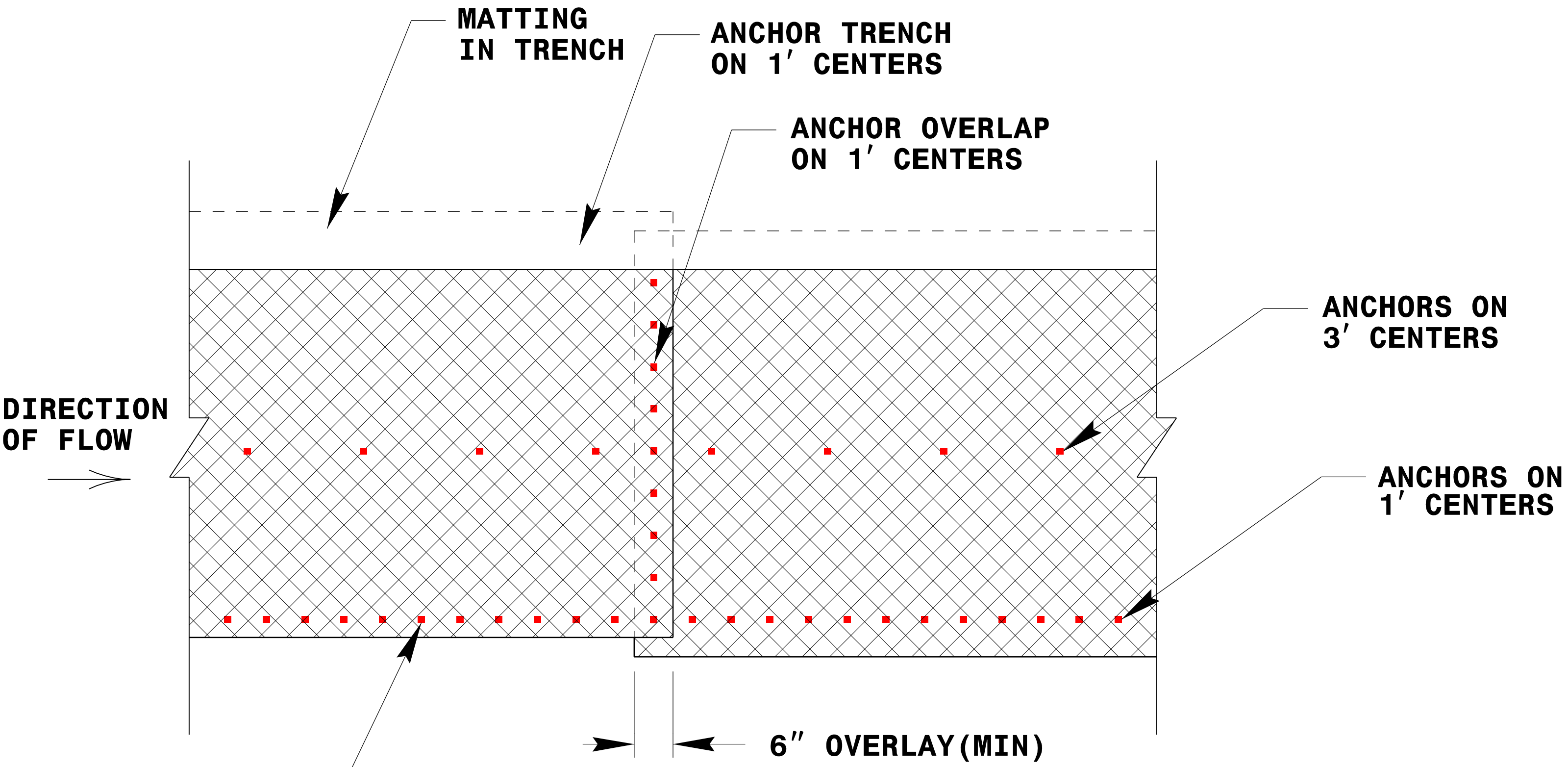
TYPE 1

50% SALIX NIGRA	BLACK WILLOW	2 ft - 3 ft LIVE STAKES
50% CORNUS AMOMUM	SILKY DOGWOOD	2 ft - 3 ft LIVE STAKES

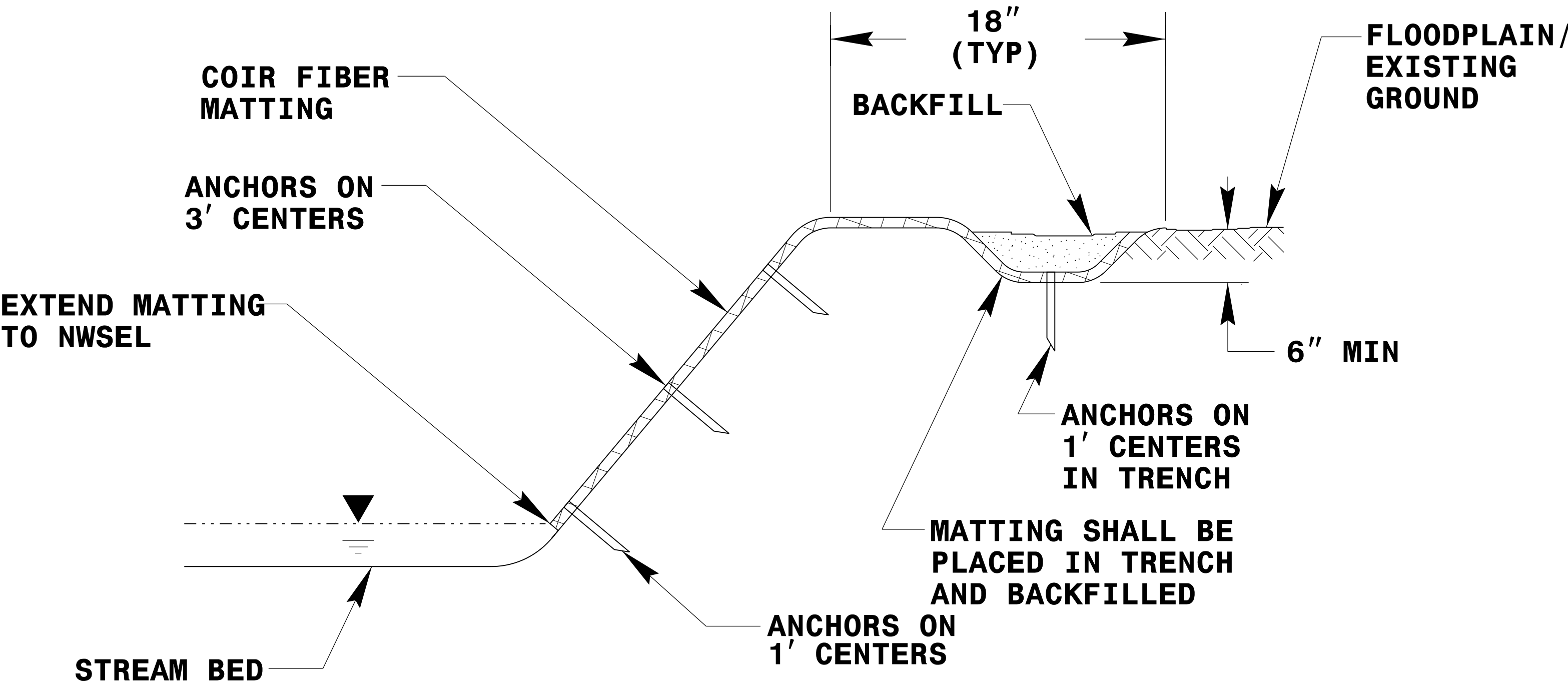
TYPE 2

25% LIRIODENDRON TULIPIFERA	TULIP POPLAR	12 in - 18 in BR
25% PLATANUS OCCIDENTALIS	SYCAMORE	12 in - 18 in BR
25% PRUNUS SEROTINA	BLACK CHERRY	12 in - 18 in BR
25% BETULA NIGRA	RIVER BIRCH	12 in - 18 in BR

- ☐ **SEE PLAN SHEETS FOR AREAS TO BE PLANTED**



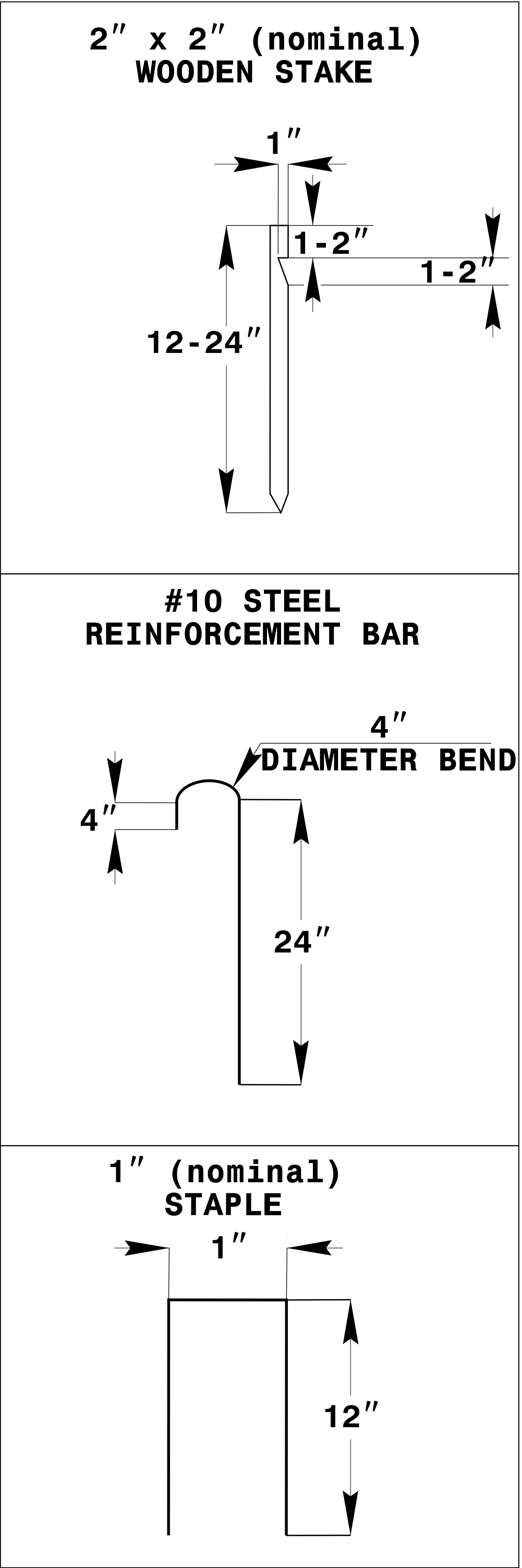
PLAN VIEW



TYPICAL CROSS SECTION

COIR FIBER MATTING DETAIL

NOT TO SCALE



ANCHOR OPTIONS

STREAMBANK REFORESTATION

DETAIL SHEET 2 OF 2

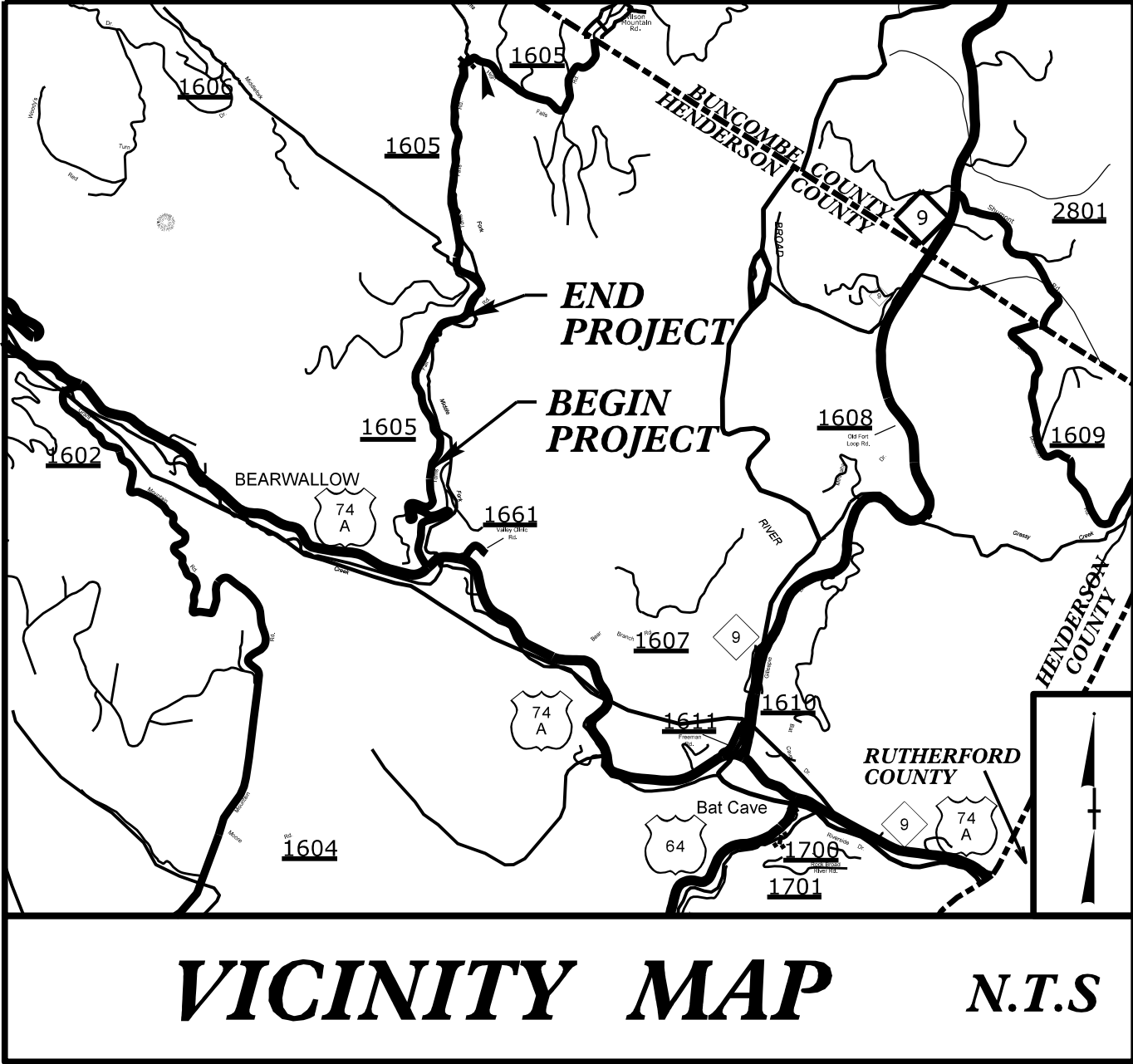
N.C.D.O.T.- ROADSIDE ENVIRONMENTAL UNIT

09/08/2025

6/10/2025 8:54:00 AM
\\Middle_Fork_Rdy_tsh_SegB.dgn

CONTRACT: DN01122 WBS PROJECT: DF18314.2045381

CONTRACT: DN01122

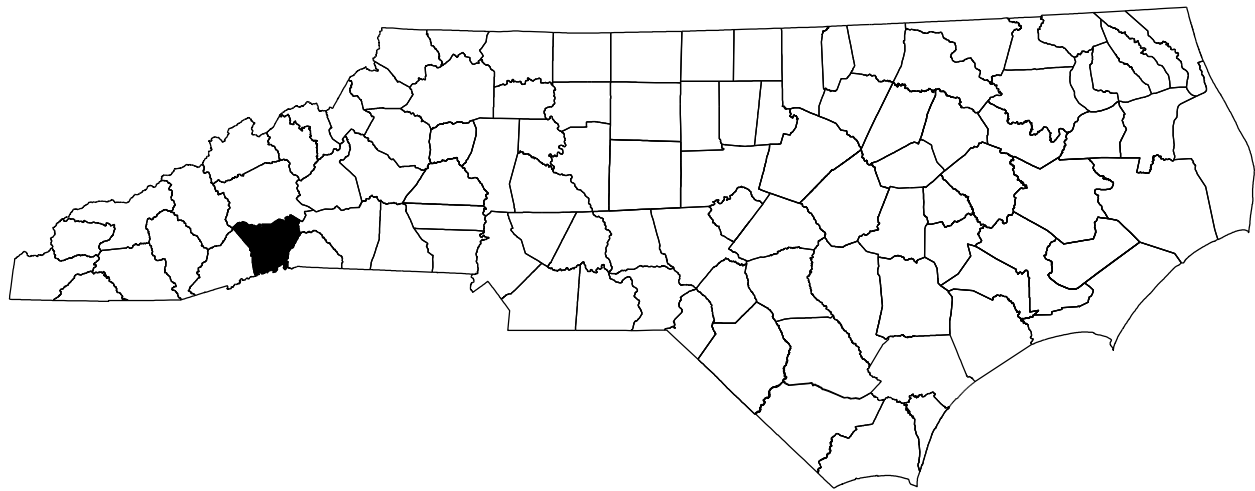


STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITIES BY OTHERS PLANS HENDERSON COUNTY

LOCATION: EMERGENCY DESIGN FOR SR 1605
(MIDDLE FORK ROAD/TOMS FALLS ROAD)

TYPE OF WORK: POWER AND COMMUNICATIONS



T.I.P. NO.	SHEET NO.
DF18314.2045381	UO-1

NOTE:
ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS.
NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.



BEGIN CONSTRUCTION
TEMPORARY DETOUR
WBS DF18314.2045487
-L- STA. 25 + 41.50

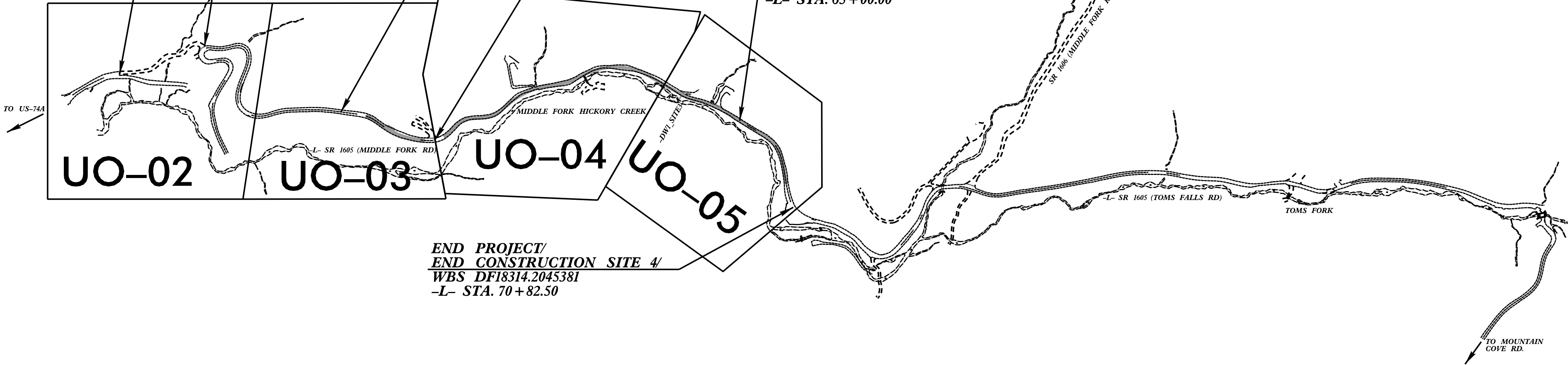
END CONSTRUCTION
TEMPORARY DETOUR
WBS DF18314.2045487
-L- STA. 30 + 45.95

BEGIN PROJECT/
BEGIN CONSTRUCTION
SITE 2/WBS DF18314.2045487
-L- STA. 40 + 87.50

END CONSTRUCTION SITE 2/
WBS DF18314.2045487
BEGIN CONSTRUCTION SITE 3/
WBS DF18314.2045382
-L- STA. 46 + 97.50

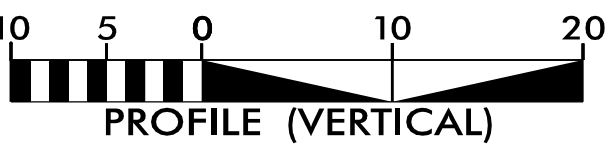
END CONSTRUCTION SITE 3/
WBS DF18314.2045382
BEGIN CONSTRUCTION SITE 4/
WBS DF18314.2045381
-L- STA. 65 + 00.00

END PROJECT/
END CONSTRUCTION SITE 4/
WBS DF18314.2045381
-L- STA. 70 + 82.50



THERE IS NO CONTROL OF ACCESS ON THIS PROJECT.
THIS PROJECT IS NOT WITHIN MUNICIPAL BOUNDARIES.

GRAPHIC SCALES



INDEX OF SHEETS

SHEET NO.:

UO-1

UO-02 THRU UO-05

DESCRIPTION:

TITLE SHEET

UBO PLAN SHEETS

UTILITY OWNERS WITH CONFLICTS

- (A) POWER - DUKE ENERGY
- (B) COMMUNICATIONS - SPECTRUM
- (C) COMMUNICATIONS - AT&T

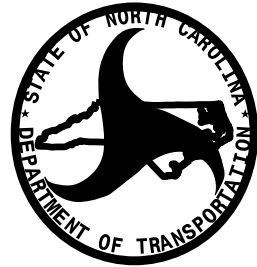
PREPARED IN THE OFFICE OF:

RS&H

1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493

FOR THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

Freddie Bunn UTILITY PROJECT MANAGER
Brian Long PROJECT UTILITY COORDINATOR

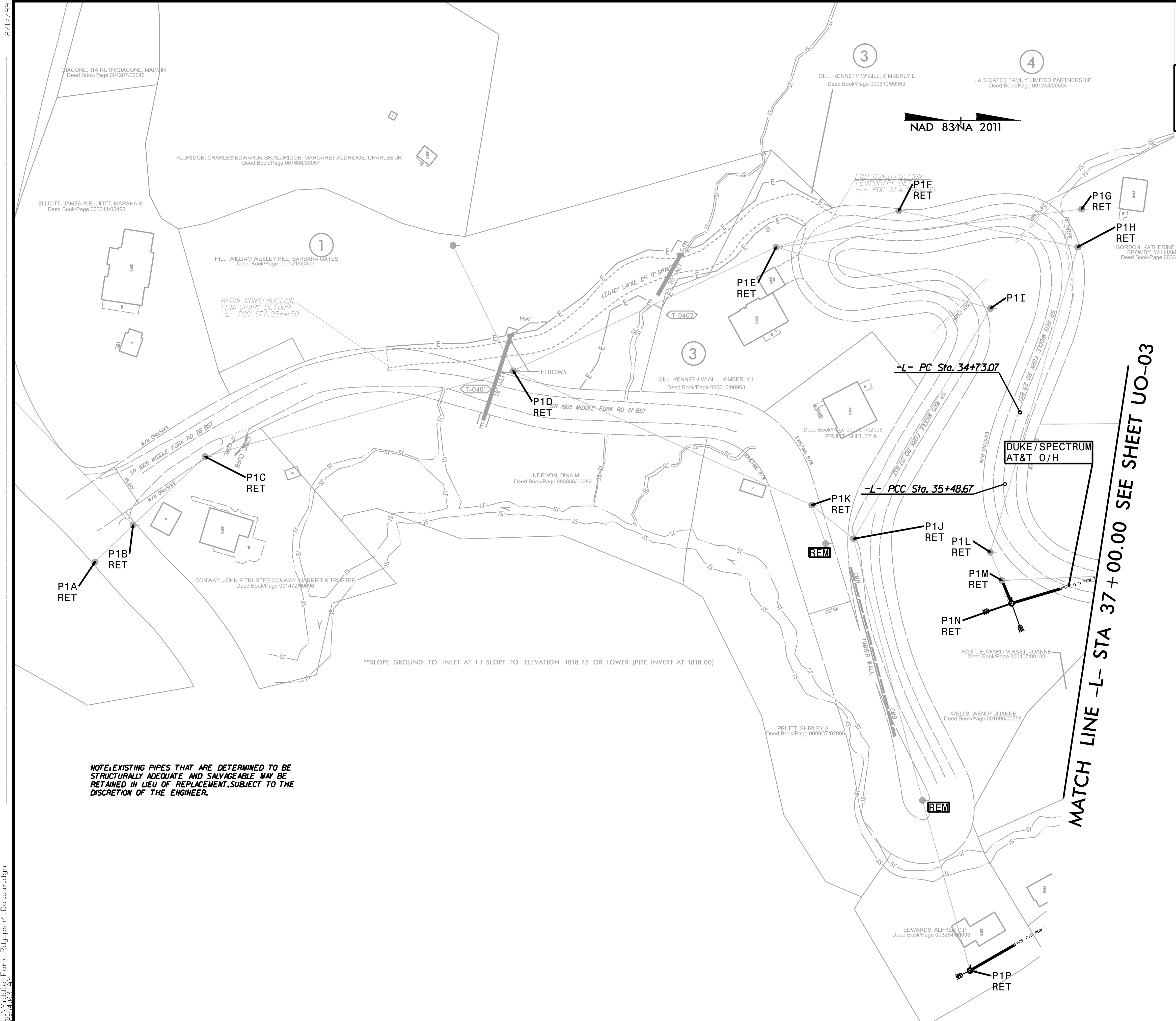


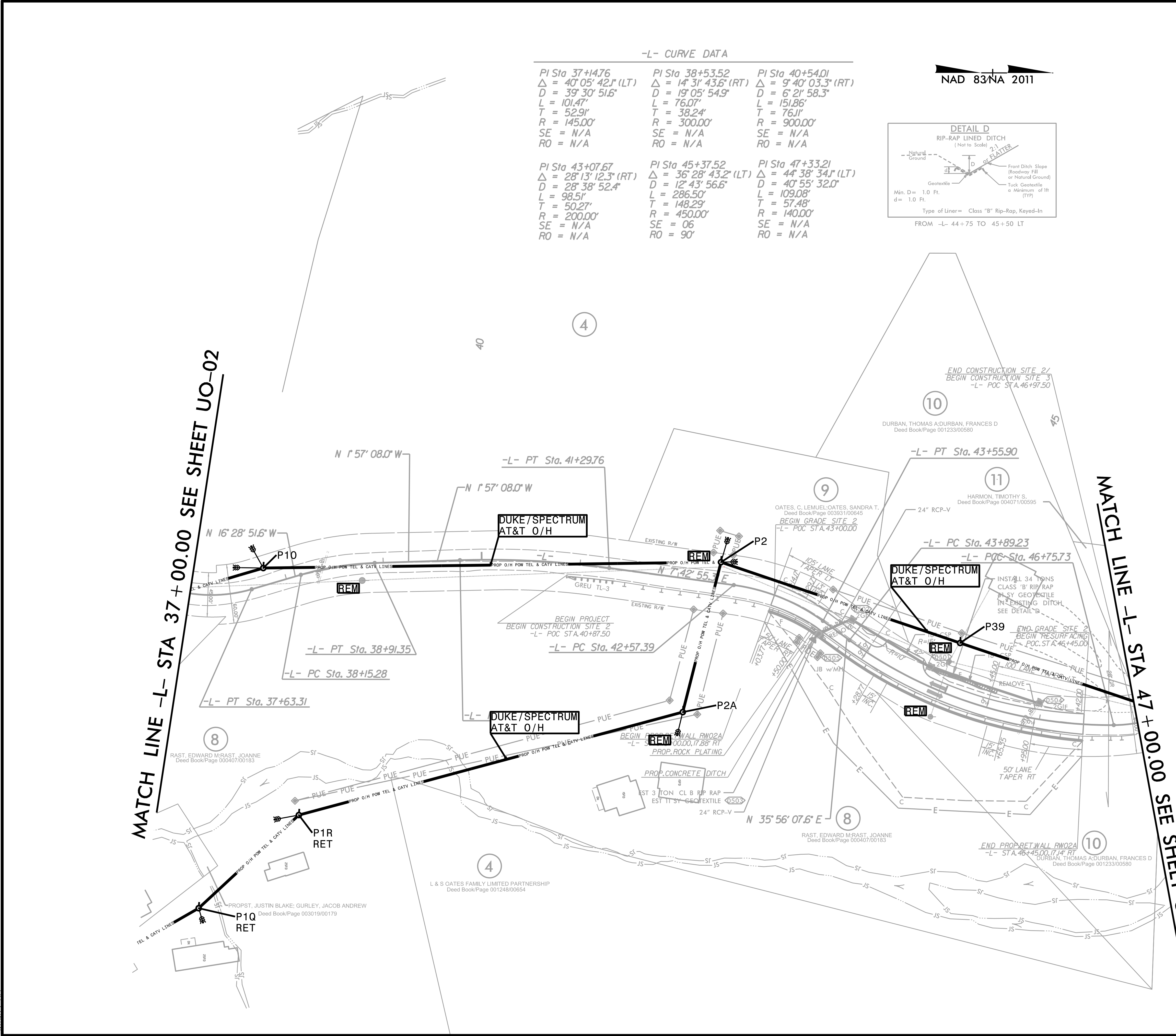
DIVISION OF HIGHWAYS
DIVISION 14
DIV ADDRESS
253 WEBSTER RD.
SYLVIA, NC 28779

Bob Golding DIVISION UTILITY ENGINEER
Barry Mosteller DIVISION PROJECT MANAGER
Robert Dyer ASST. DIVISION UTILITY ENG.

ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

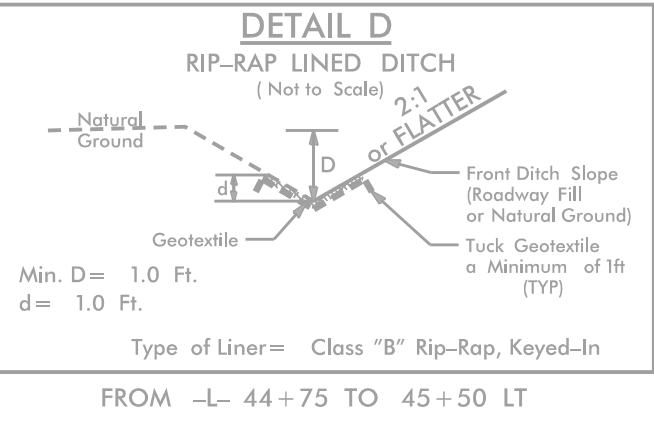
FOR TEMPORARY DETOUR SEE SHEET TMP-4





-L- CURVE DATA		
PI Sta 37+14.76 Δ = 40°05'42.1" (LT) D = 39°30'51.6" L = 101.47' T = 52.91' R = 145.00' SE = N/A RO = N/A	PI Sta 38+53.52 Δ = 14°31'43.6" (RT) D = 19°05'54.9" L = 76.07' T = 38.24' R = 300.00' SE = N/A RO = N/A	PI Sta 40+54.01 Δ = 9°40'03.3" (RT) D = 6°21'58.3" L = 151.86' T = 76.11' R = 900.00' SE = N/A RO = N/A
PI Sta 43+07.67 Δ = 28°13'12.3" (RT) D = 28°38'52.4" L = 98.51' T = 50.27' R = 200.00' SE = N/A RO = N/A	PI Sta 45+37.52 Δ = 36°28'43.2" (LT) D = 12°43'56.6" L = 286.50' T = 148.29' R = 450.00' SE = 06 RO = 90°	PI Sta 47+33.21 Δ = 44°38'34.1" (LT) D = 40°55'32.0" L = 109.08' T = 57.48' R = 140.00' SE = N/A RO = N/A

NAD 83/NA 2011



PROJECT REFERENCE NO.
DF18314.2045487

SHEET NO.
UO-03

THIS SHEET CORRESPONDS TO RDY - 5

UTILITIES BY OTHERS

ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

RS&H

1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493

NOTE: EXISTING PIPES THAT ARE DETERMINED TO BE STRUCTURALLY ADEQUATE AND SALVAGEABLE MAY BE RETAINED IN LIEU OF REPLACEMENT, SUBJECT TO THE DISCRETION OF THE ENGINEER.

FOR -L- PROFILE SEE SHEET 8

FOR RWO2A WALL SEE SHEETS W-1 THRU W-5

8/17/99

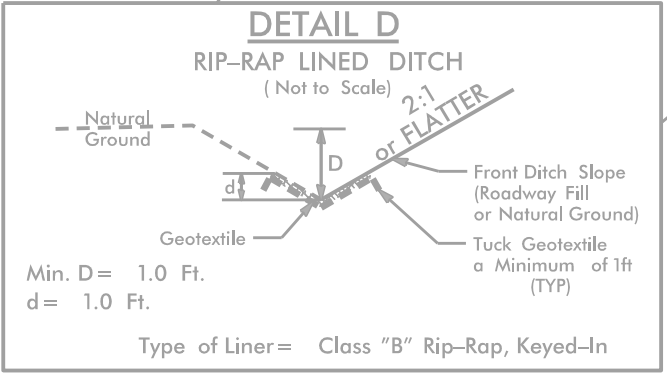
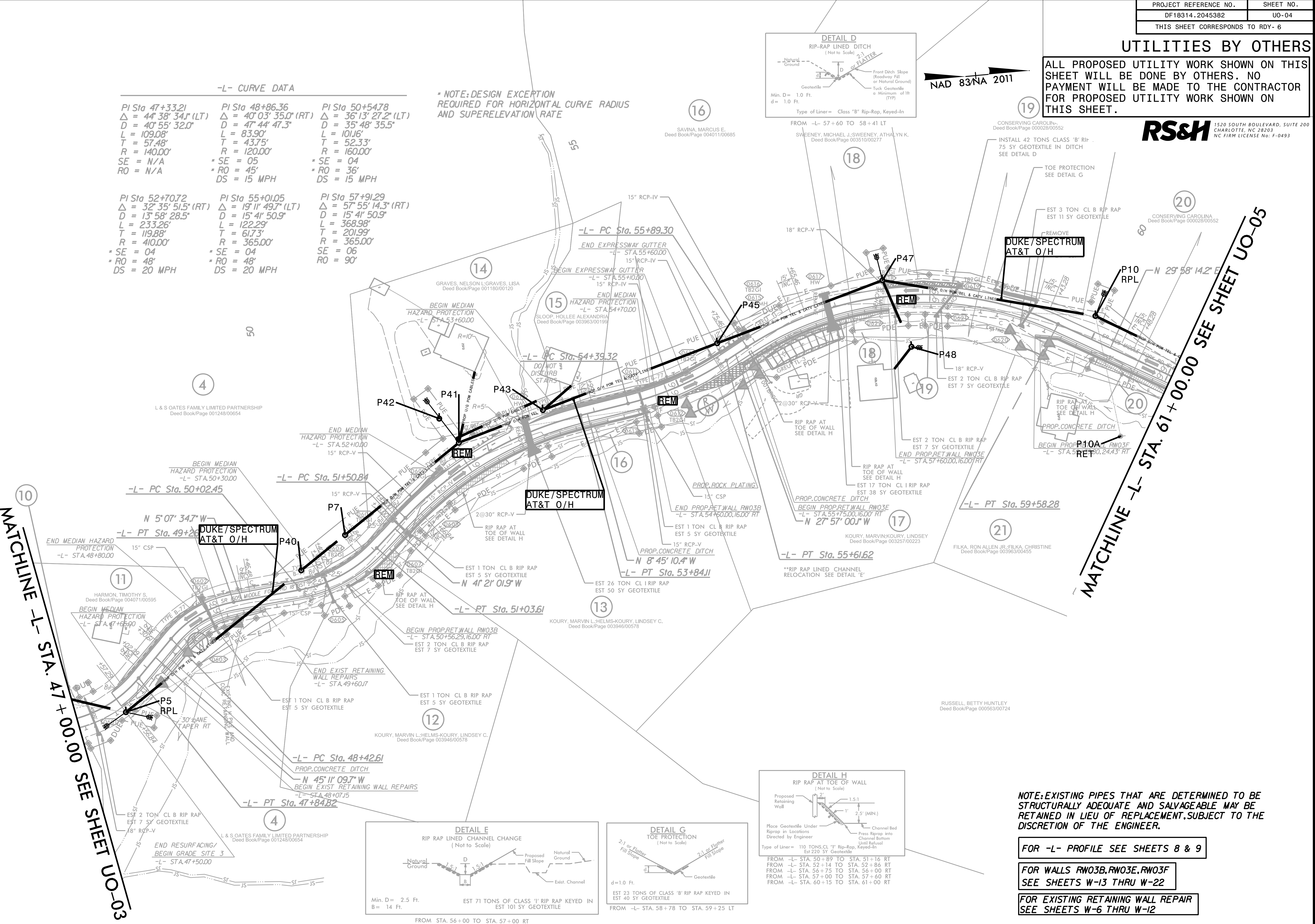
6/11/2025, Middle Fork Rd, ps46, Site 3.dgn
8:23:58 AM

PROJECT REFERENCE NO.	SHEET NO.
DF18314.2045382	UO-04
THIS SHEET CORRESPONDS TO RDY - 6	

UTILITIES BY OTHERS

ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493



NAD 83/NA 2011

19

CONSERVING CAROLINA
Deed Book/Page 000028/00552

FROM -L- 57+60 TO 58+41 LT
SWEENEY, MICHAEL J.; SWEENEY, ATHALYN K.
Deed Book/Page 003510/00277

INSTALL 42 TONS CLASS 'B' RIP-RAP
75 SY GEOTEXTILE IN DITCH
SEE DETAIL D

TOE PROTECTION
SEE DETAIL G

EST 3 TON CL B RIP RAP
EST 11 SY GEOTEXTILE

REMOVE
DUKE/SPECTRUM
AT&T O/H

EST 2 TON CL B RIP RAP
EST 7 SY GEOTEXTILE

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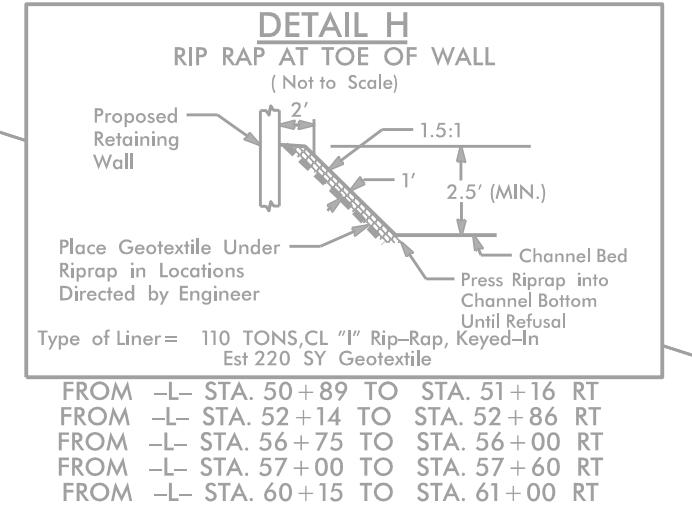
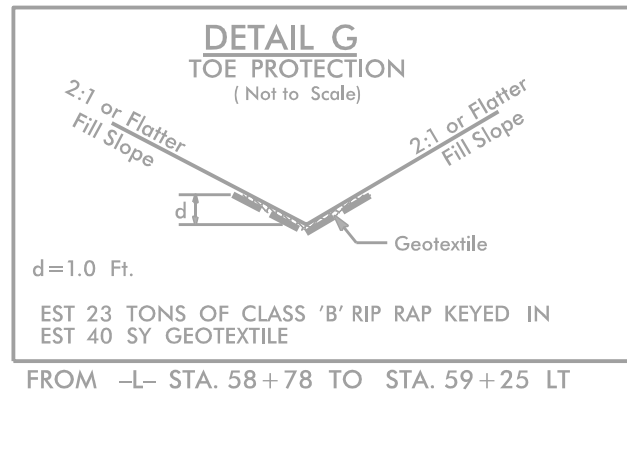
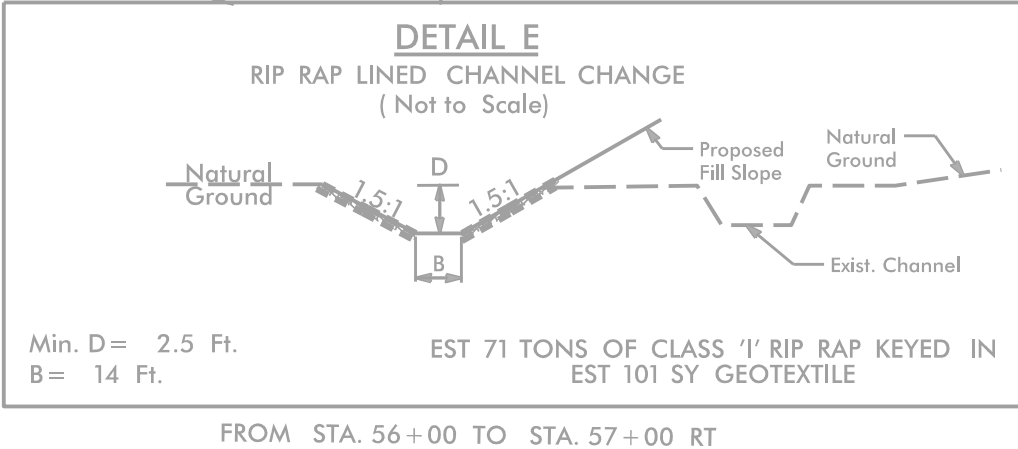
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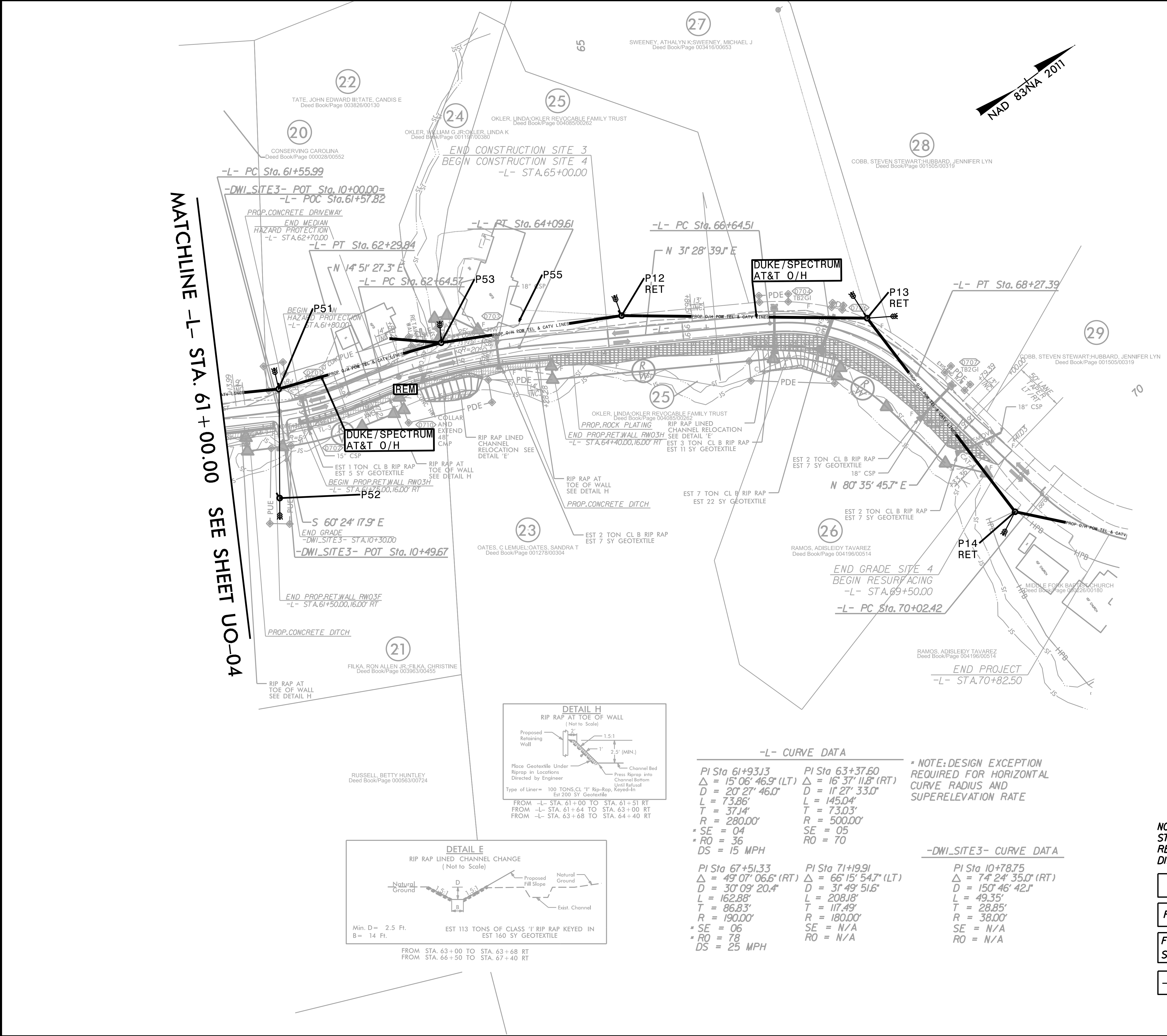


NOTE: EXISTING PIPES THAT ARE DETERMINED TO BE STRUCTURALLY ADEQUATE AND SALVAGEABLE MAY BE RETAINED IN LIEU OF REPLACEMENT, SUBJECT TO THE DISCRETION OF THE ENGINEER.

FOR -L- PROFILE SEE SHEETS 8 & 9

FOR WALLS RW03B, RW03E, RW03F
SEE SHEETS W-13 THRU W-22

FOR EXISTING RETAINING WALL REPAIR
SEE SHEETS W-6 THRU W-12

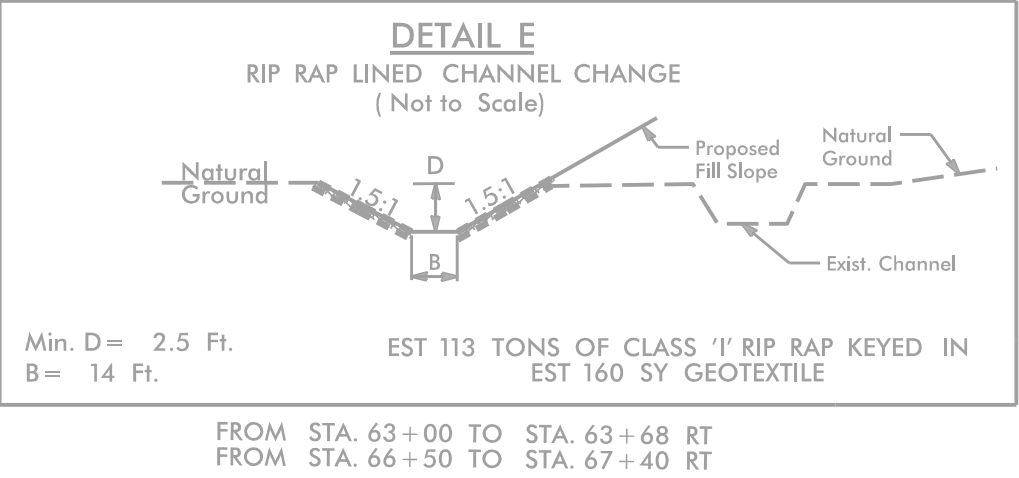
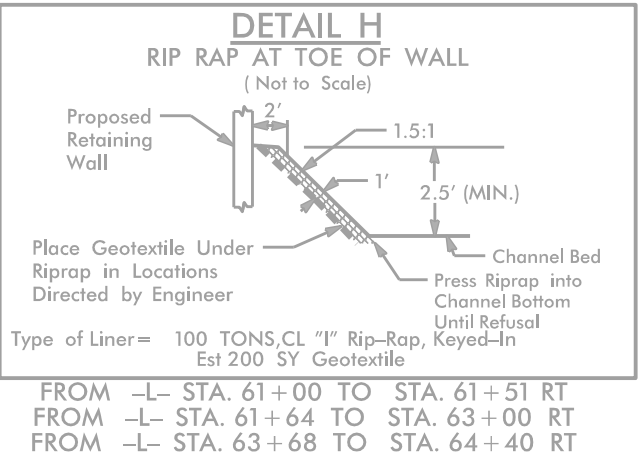


PROJECT REFERENCE NO.	SHEET NO.
DF18314.2045382/ DF18314.2045381	U0-05
THIS SHEET CORRESPONDS TO RDY- 7	

UTILITIES BY OTHERS

ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493



-L- CURVE DATA		
PI Sta 61+93.13 Δ = 15° 06' 46.9" (LT) D = 20° 27' 46.0" L = 73.86' T = 37.14' R = 280.00' * SE = 04 * RO = 36 DS = 15 MPH	PI Sta 63+37.60 Δ = 16° 37' 11.8" (RT) D = 11° 27' 33.0" L = 145.04' T = 73.03' R = 500.00' SE = 05 RO = 70	* NOTE: DESIGN EXCEPTION REQUIRED FOR HORIZONTAL CURVE RADIUS AND SUPERELEVATION RATE
-DWI_SITE3- CURVE DATA		
PI Sta 67+51.33 Δ = 49° 07' 06.6" (RT) D = 30° 09' 20.4" L = 162.88' T = 86.83' R = 190.00' * SE = 06 * RO = 78 DS = 25 MPH	PI Sta 71+19.91 Δ = 66° 15' 54.7" (LT) D = 31° 49' 51.6" L = 208.18' T = 117.49' R = 180.00' SE = N/A RO = N/A	PI Sta 10+78.75 Δ = 74° 24' 35.0" (RT) D = 150° 46' 42.1" L = 49.35' T = 28.85' R = 38.00' SE = N/A RO = N/A

NOTE: EXISTING PIPES THAT ARE DETERMINED TO BE STRUCTURALLY ADEQUATE AND SALVAGEABLE MAY BE RETAINED IN LIEU OF REPLACEMENT, SUBJECT TO THE DISCRETION OF THE ENGINEER.

FOR -L- PROFILE SEE SHEET 9

FOR -DWI_SITE3- PROFILE SEE SHEET 9

FOR WALLS RW03F, RW03H
SEE SHEETS W-13 THRU W-22

— HPB — HISTORIC PROPERTY BOUNDARY