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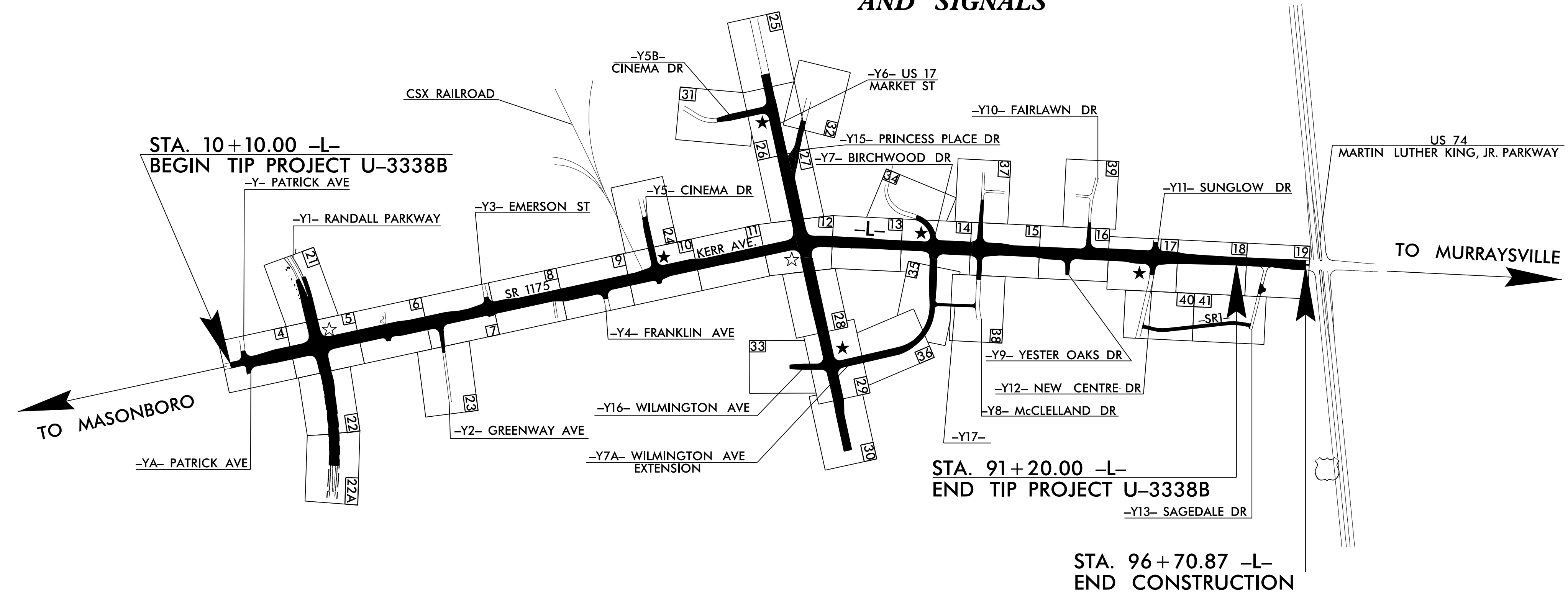
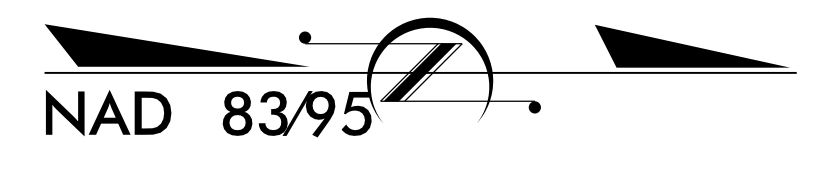
**This file or an individual page
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TIP PROJECT: U-3338B

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

NEW HANOVER COUNTY

**LOCATION: WILMINGTON - SR 1175 (KERR AVENUE) FROM
RANDALL PARKWAY TO SR 2649 (MARTIN
LUTHER KING, JR. PARKWAY)
TYPE OF WORK: GRADING, PAVING, DRAINAGE,
AND SIGNALS**



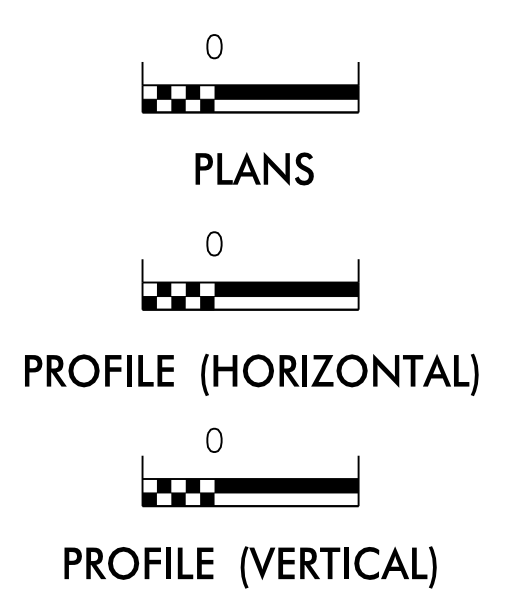
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-3338B	EC-1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1630.03	Temporary Silt Ditch	TD
1630.05	Temporary Diversion	TD
1605.01	Temporary Silt Fence	III III III
1606.01	Special Sediment Control Fence	X X X X X
1622.01	Temporary Berms and Slope Drains	TD
1630.02	Silt Basin Type B	SB
1633.01	Temporary Rock Silt Check Type-A	RS
	Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)	RS
1633.02	Temporary Rock Silt Check Type-B	RS
	Wattle/Coir Fiber Wattle	W
	Wattle/Coir Fiber Wattle with Polyacrylamide (PAM)	W
1634.01	Temporary Rock Sediment Dam Type-A	RD
1634.02	Temporary Rock Sediment Dam Type-B	RD
1635.01	Rock Pipe Inlet Sediment Trap Type-A	RPI
1635.02	Rock Pipe Inlet Sediment Trap Type-B	RPI
1630.04	Stilling Basin	SB
1630.06	Special Stilling Basin	SB
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	SK
	Tiered Skimmer Basin	SK
	Infiltration Basin	IB

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

GRAPHIC SCALE



ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE
NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:
ROADSIDE ENVIRONMENTAL UNIT

1 South Wilmington St.
Raleigh, NC 27611

2012 STANDARD SPECIFICATIONS

Designed by:
Alyson Tamer **3460**
NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

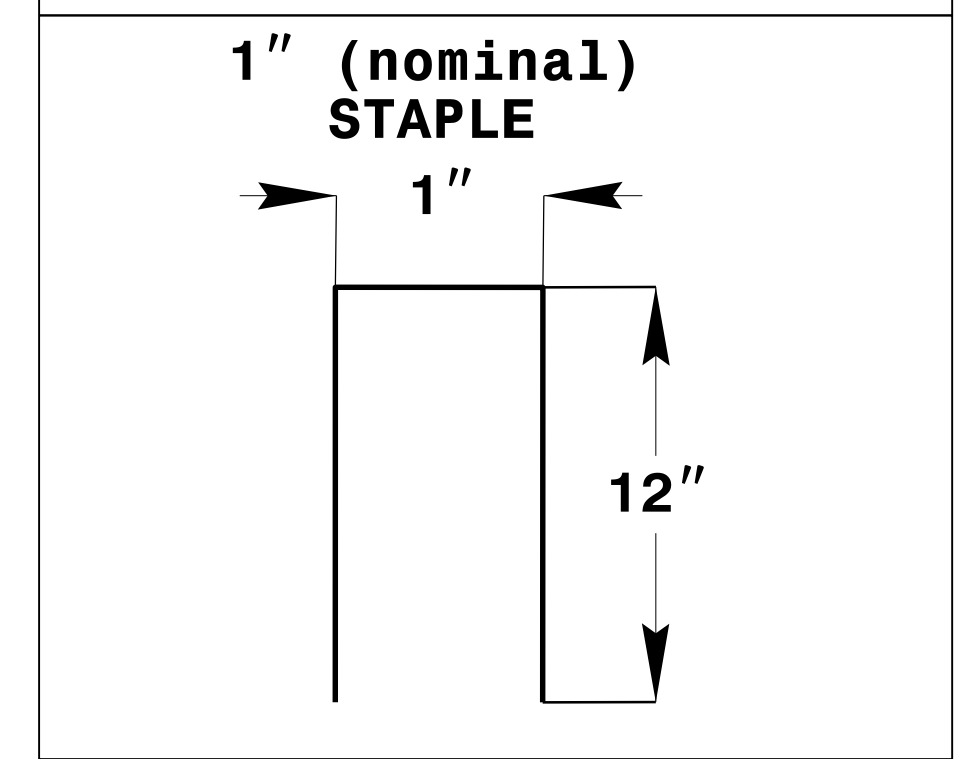
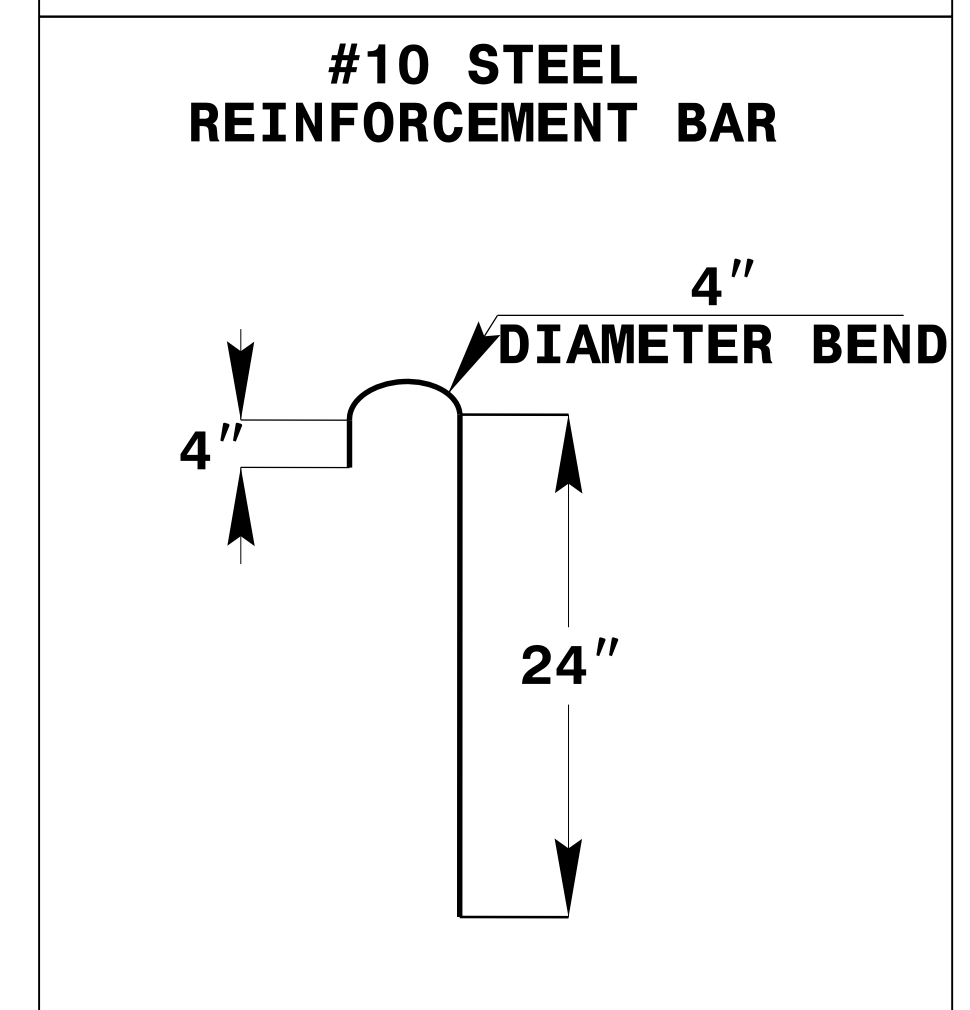
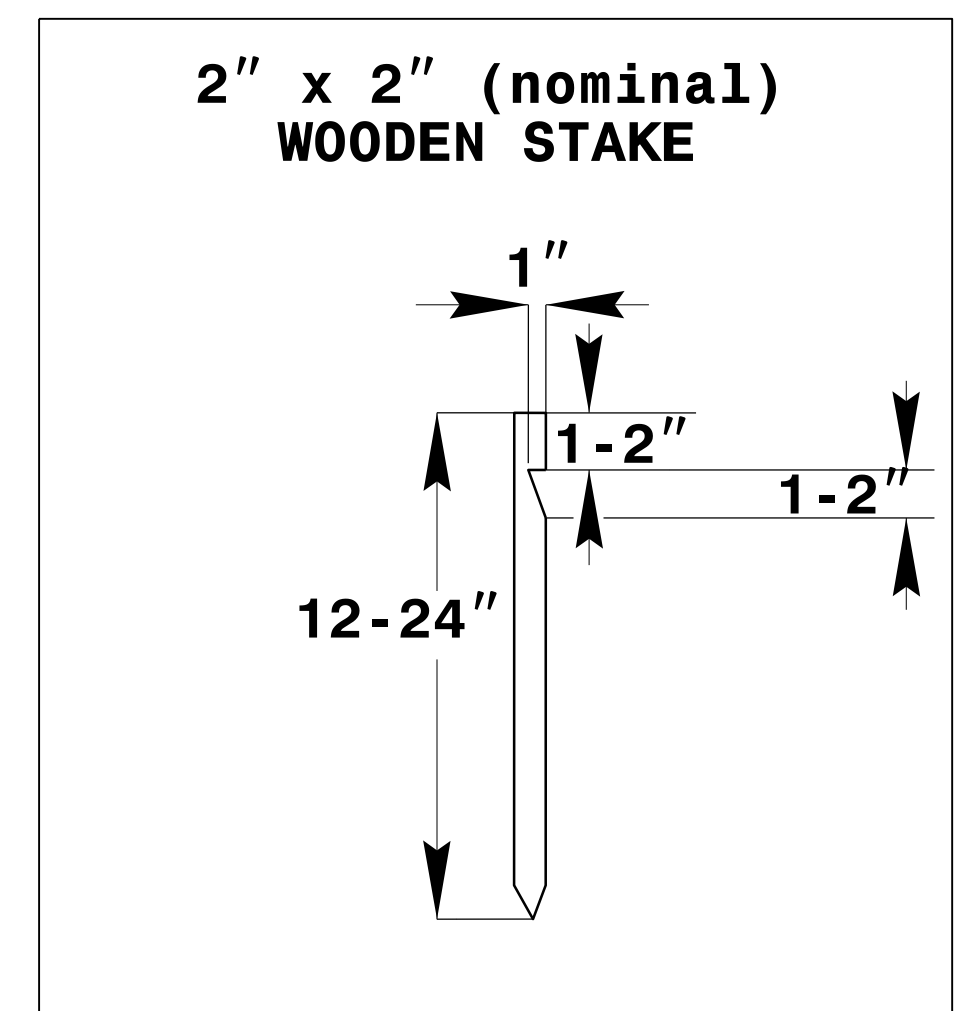
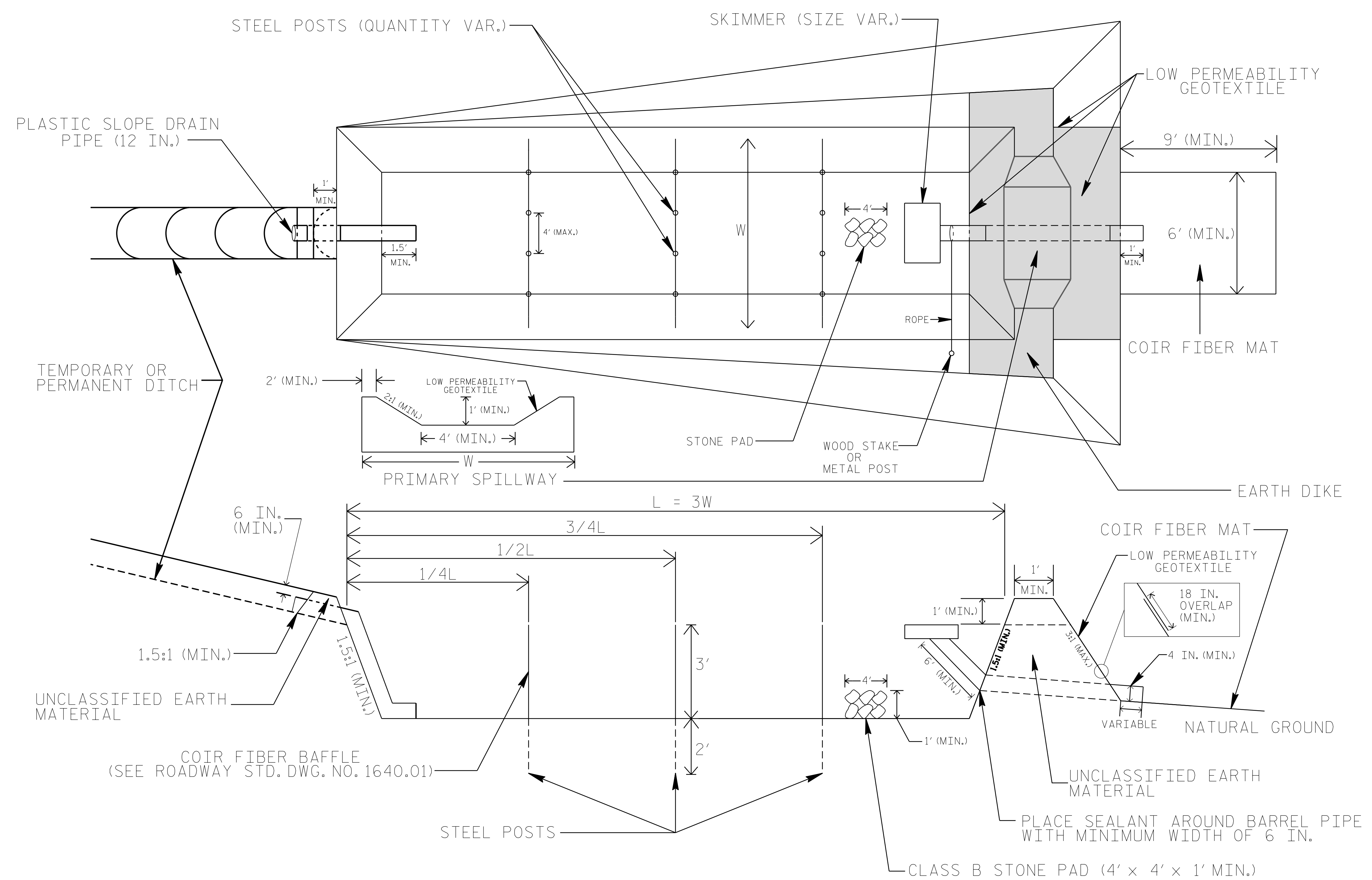
The following roadway english standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

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	

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PROJECT REFERENCE NO. U-3338B	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL (EAST)



COIR FIBER MAT ANCHOR OPTIONS

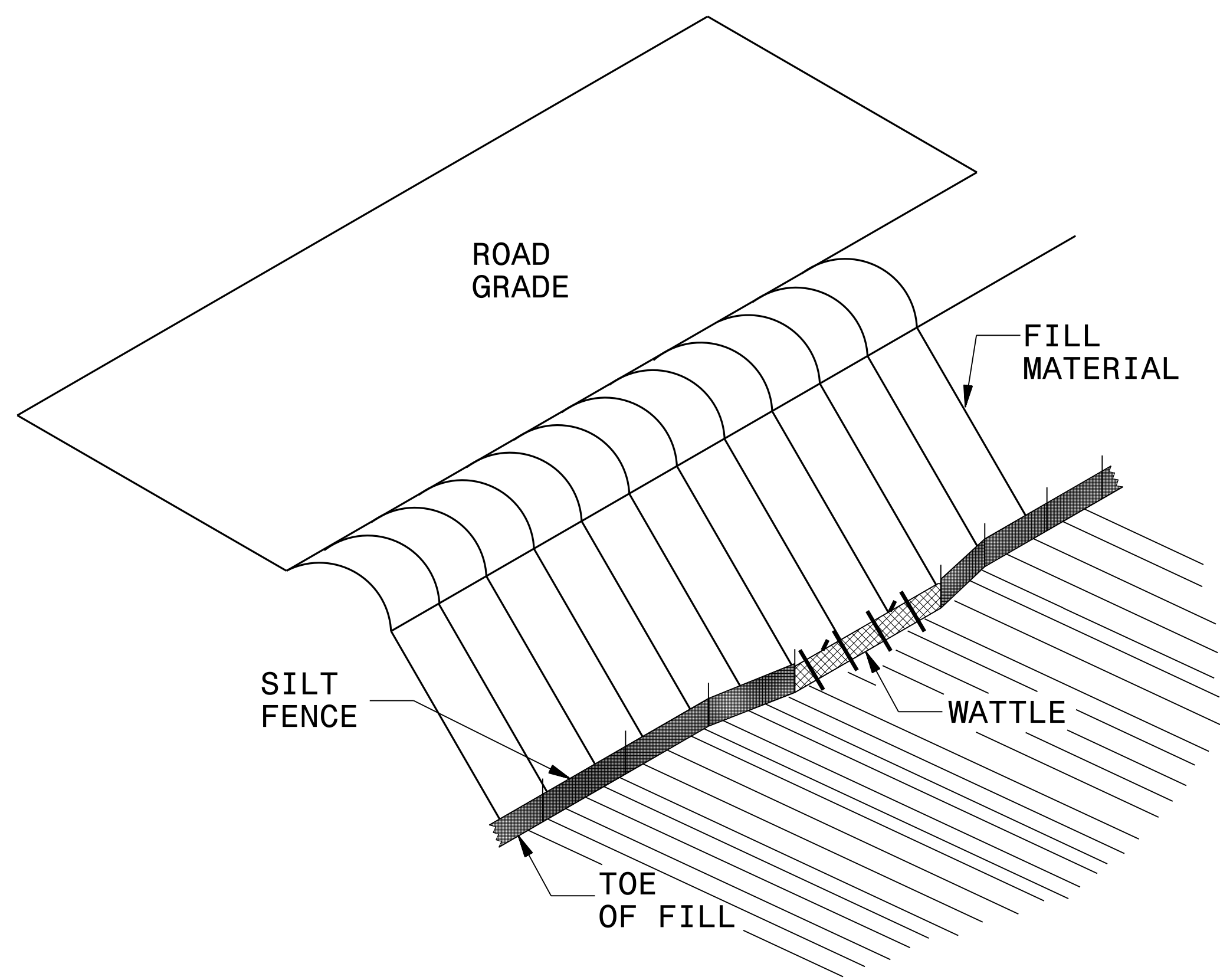
NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 5 FT.
3. FOR BASIN DEPTH OF 3 FT., THE MINIMUM BASIN WIDTH SHALL BE 9 FT.
4. DETERMINE PRIMARY SPILLWAY WEIR LENGTH (FT.) USING $Q/0.4$, WHERE Q IS FLOW RATE (CFS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTRATION GEOTEXTILE OR TARP AS DIRECTED.
6. LOW PERMEABILITY GEOTEXTILE FOR PRIMARY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 18 IN. (MIN.).

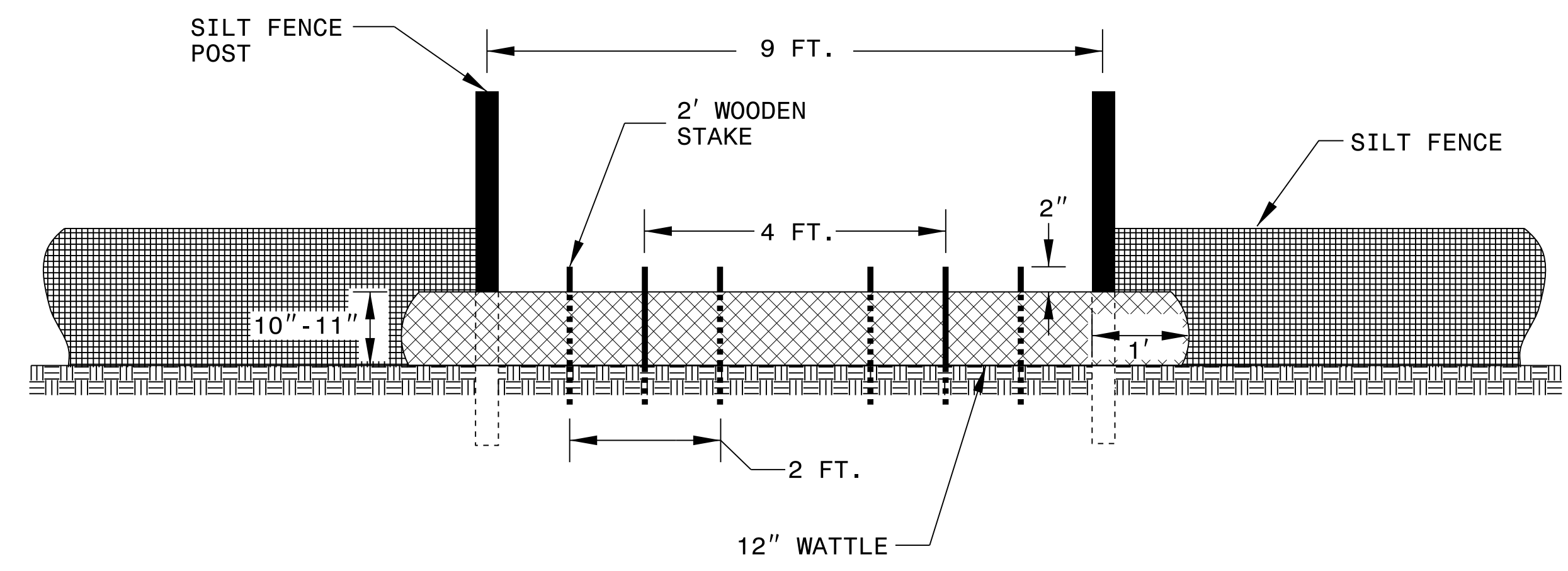
NOT TO SCALE

SILT FENCE COIR FIBER WATTLE BREAK DETAIL

PROJECT REFERENCE NO. U-3338B	SHEET NO. EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



ISOMETRIC VIEW

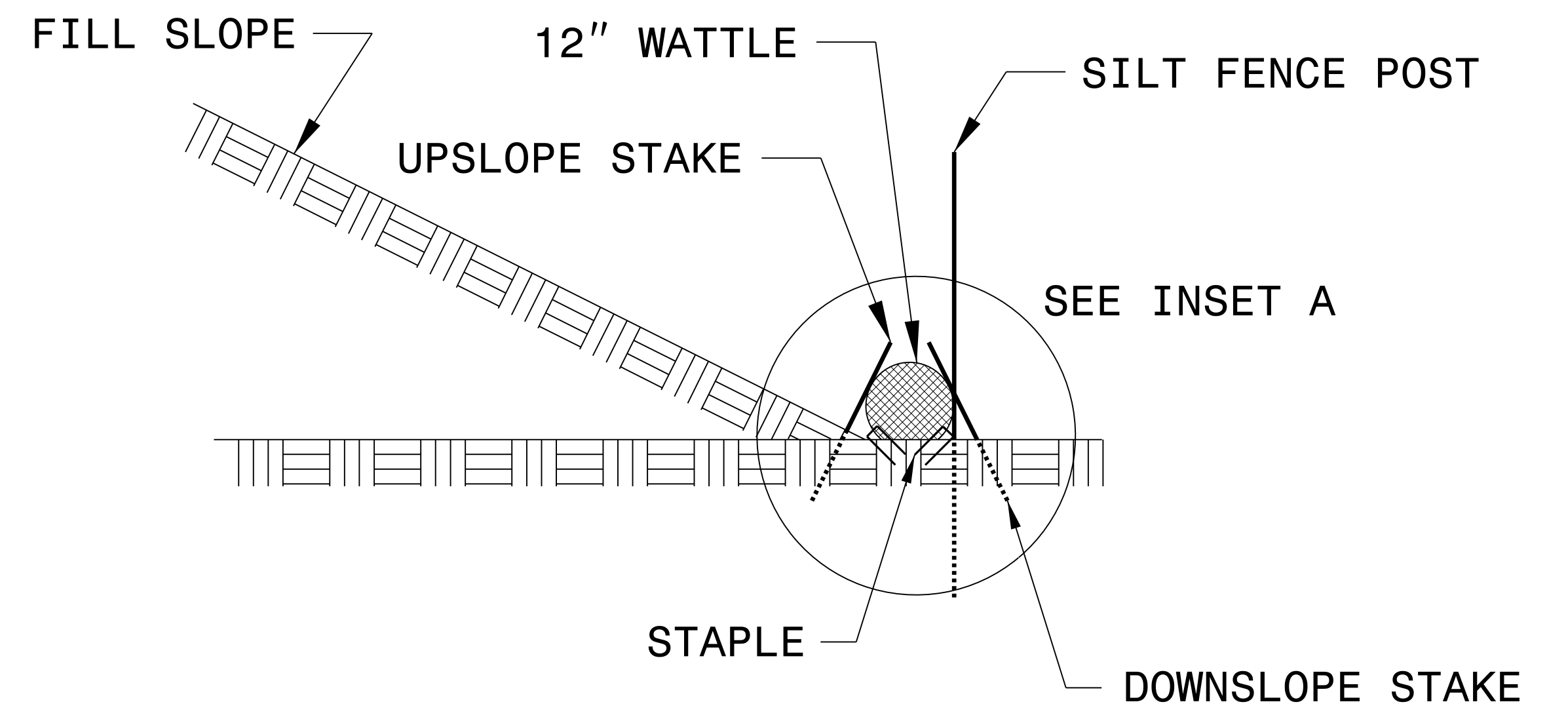
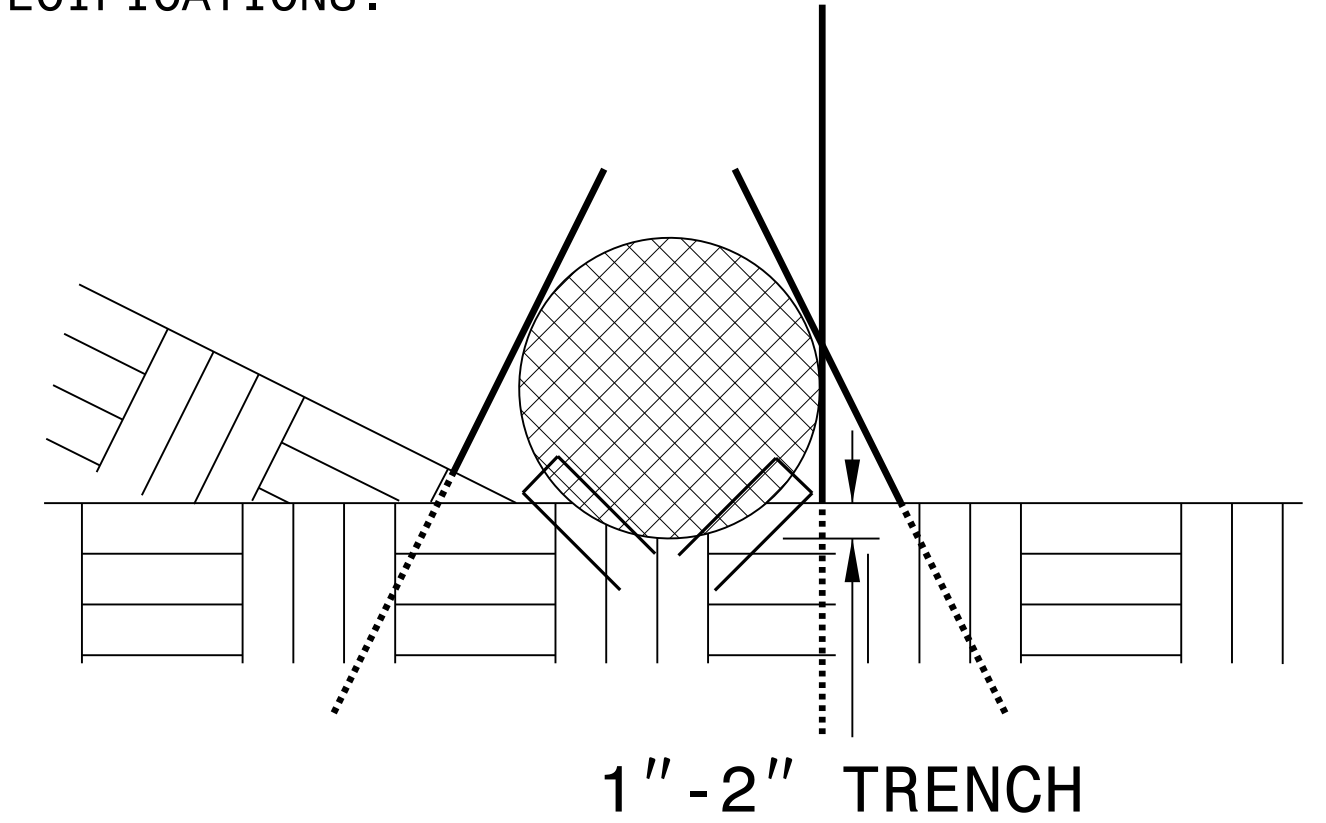


VIEW FROM SLOPE

NOTES:

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE AND LENGTH OF 10 FT.
- EXCAVATE A 1 TO 2 INCH TRENCH FOR WATTLE TO BE PLACED.
- DO NOT PLACE WATTLE ON TOE OF SLOPE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO GROUND.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- WATTLE INSTALLATION CAN BE ON OUTSIDE OF THE SILT FENCE AS DIRECTED.
- INSTALL TEMPORARY SILT FENCE IN ACCORDANCE WITH SECTION 1605 OF THE STANDARD SPECIFICATIONS.

INSET A



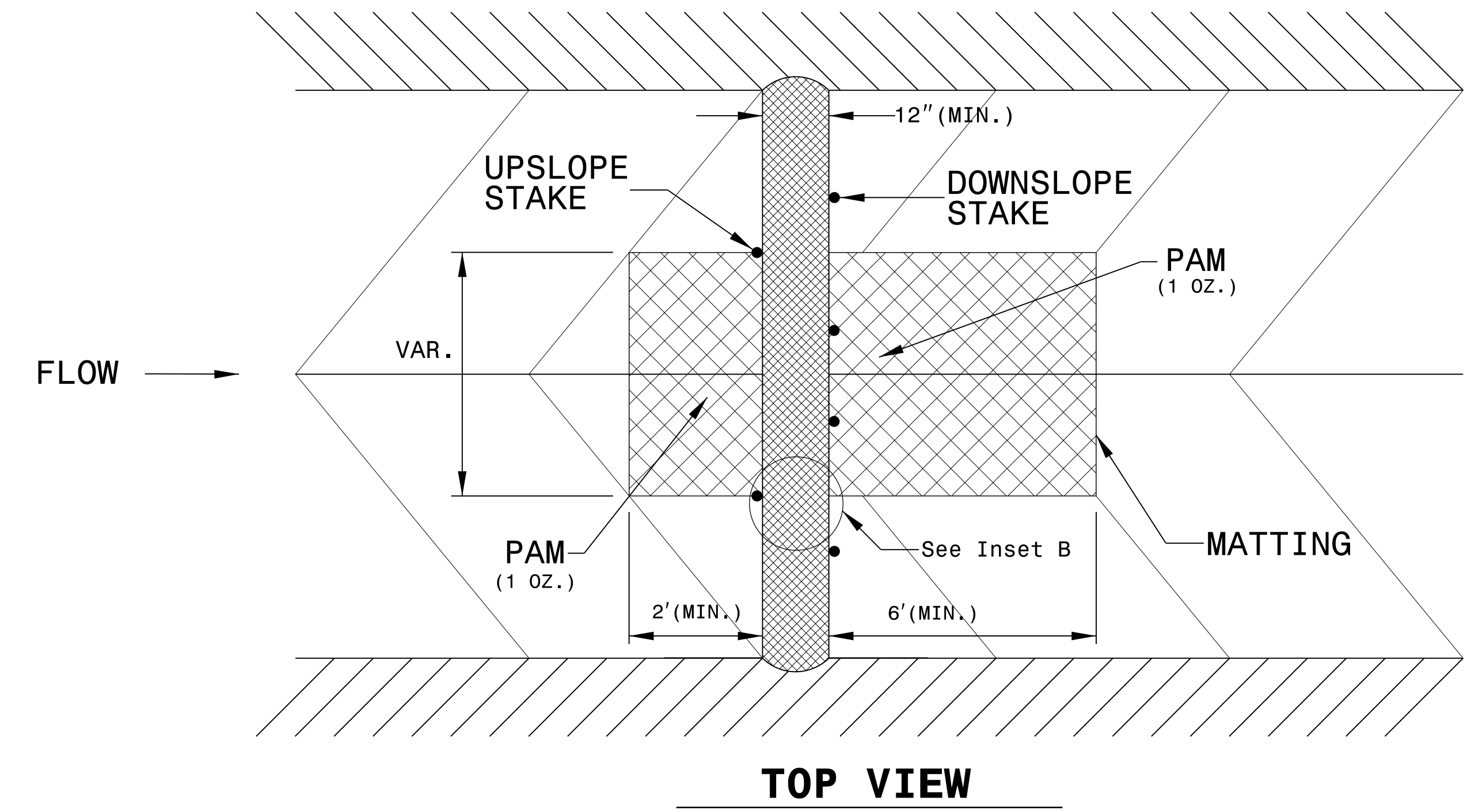
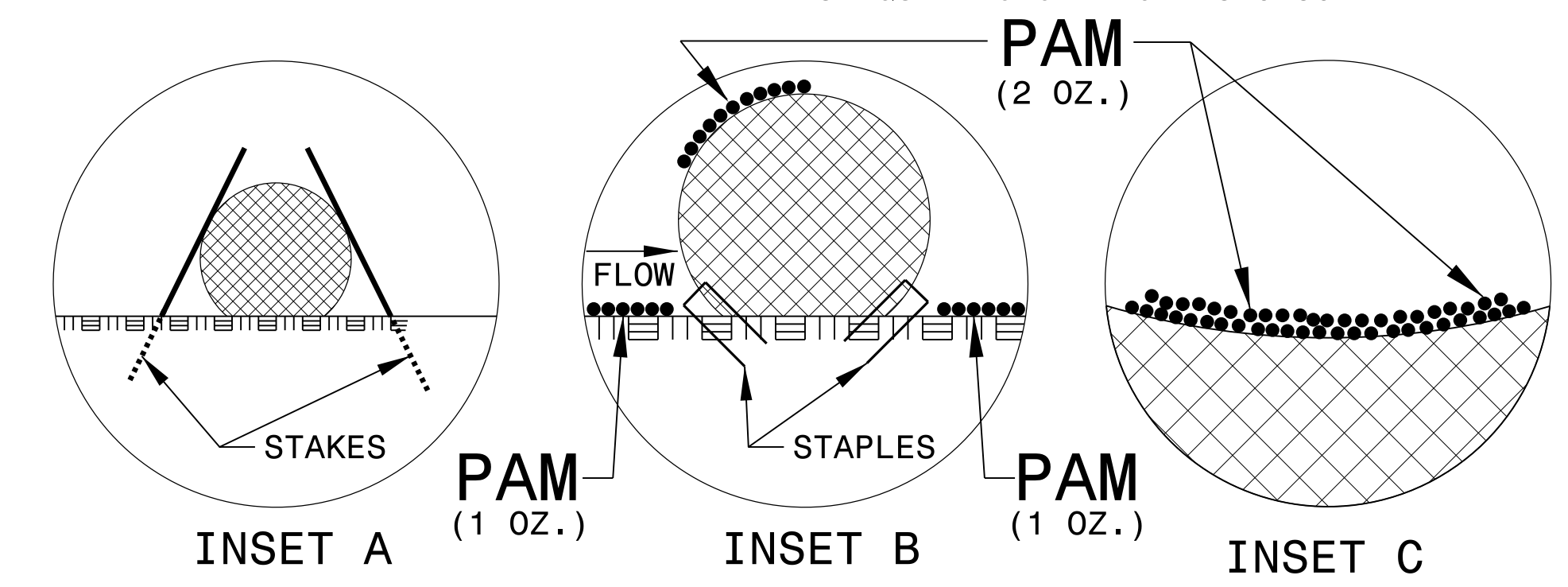
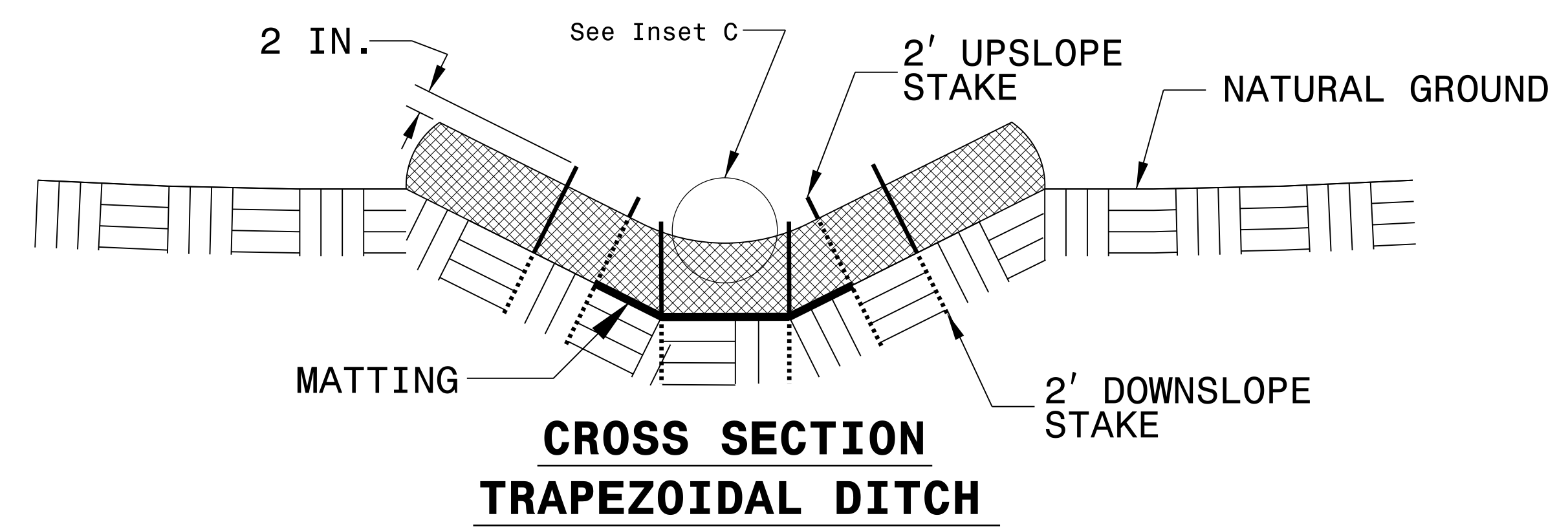
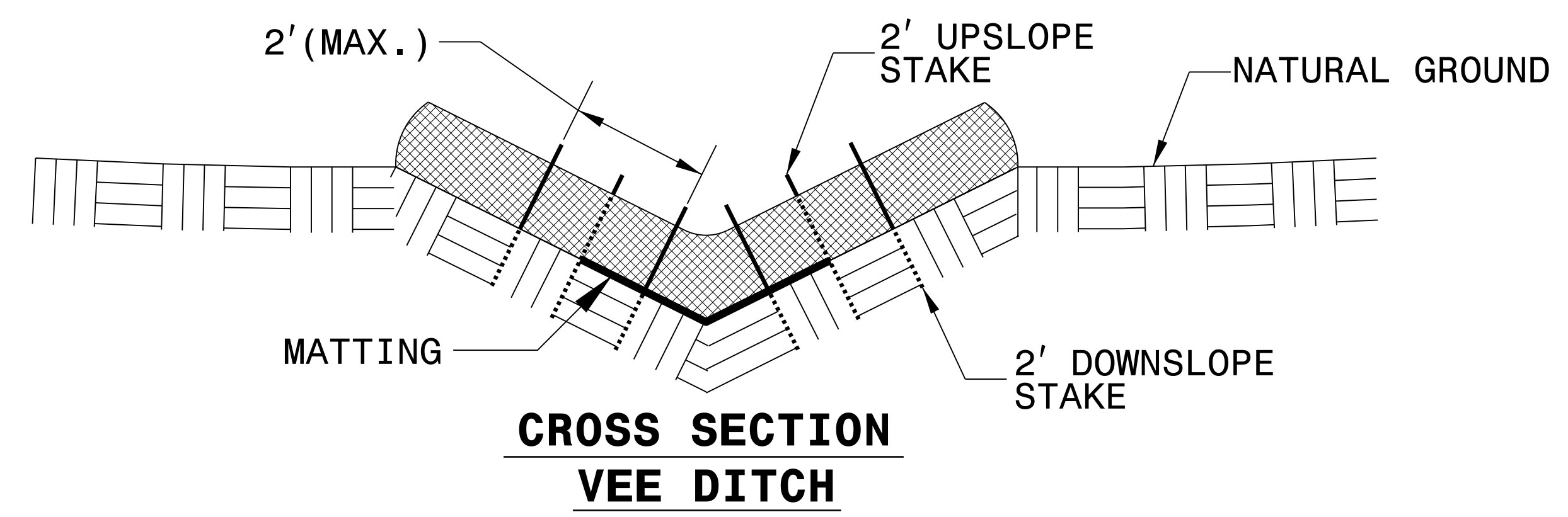
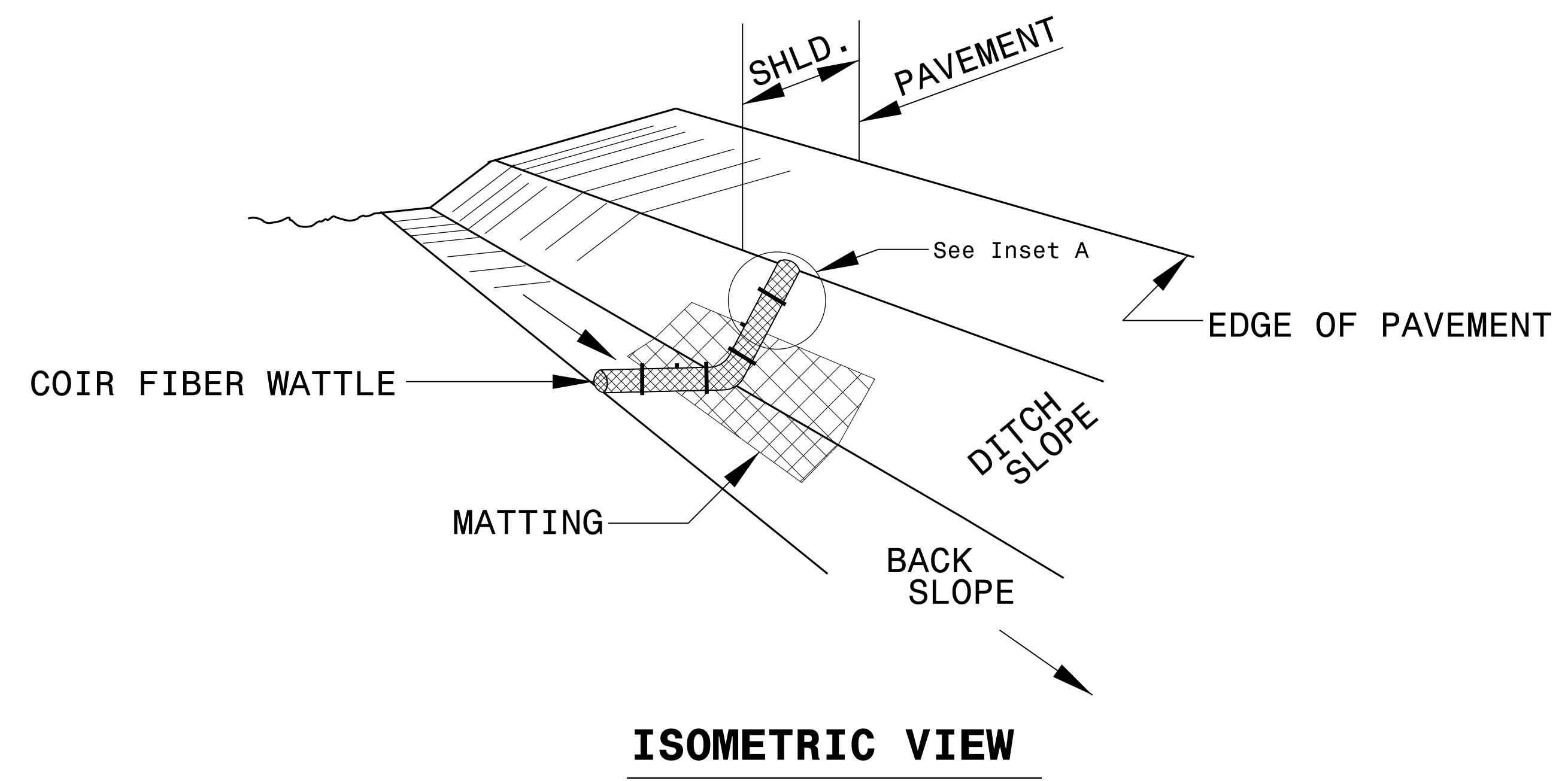
SIDE VIEW

PROJECT REFERENCE NO. U-3338B	SHEET NO. EC-2B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL

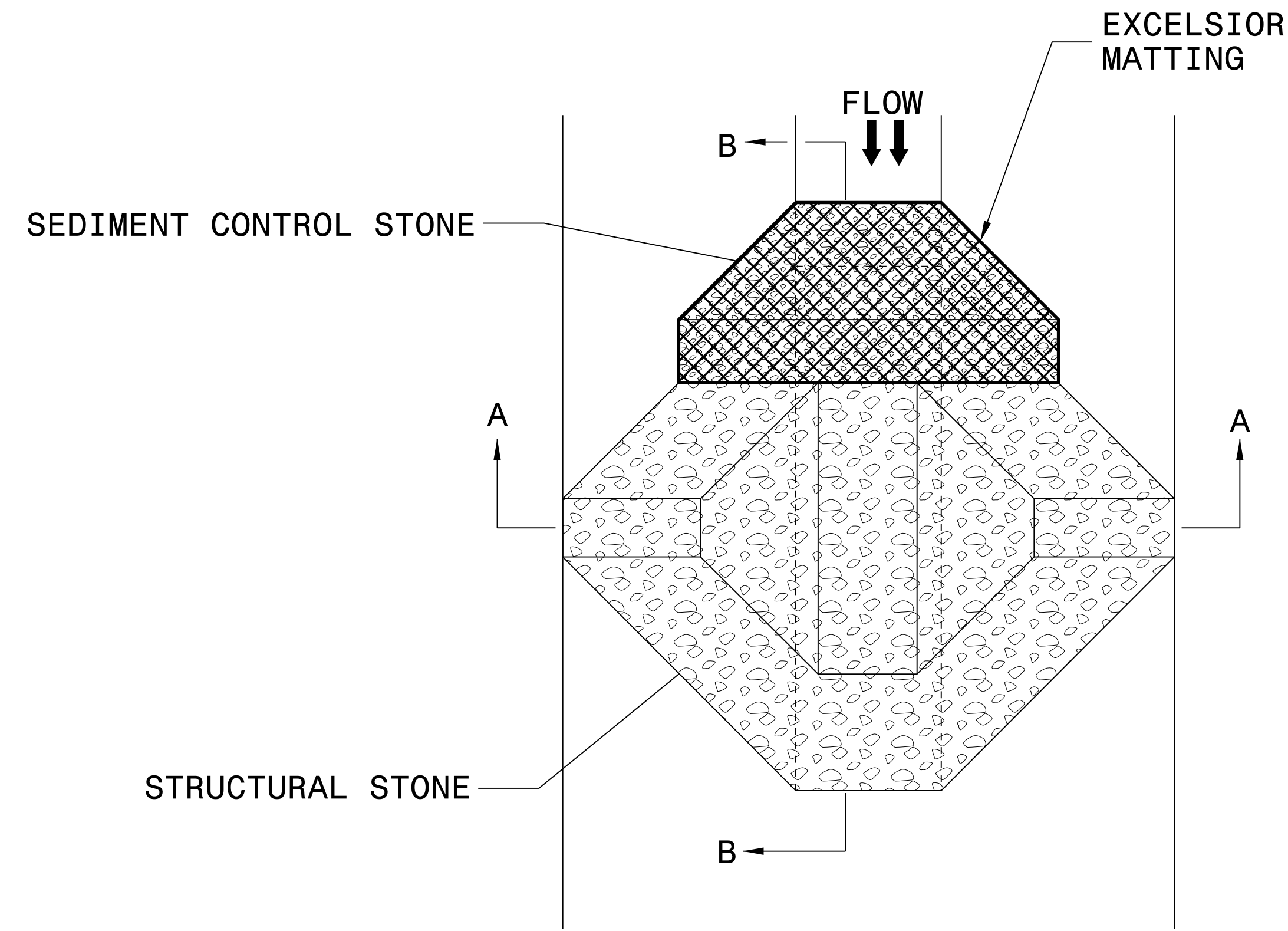
NOTES:

- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
- PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.
- INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
- INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.
- 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 WATTLE.
- INITIALLY APPLY 2 OUNCES OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 1 OUNCE OF PAM ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



PROJECT REFERENCE NO. U-3338B	SHEET NO. EC-2C
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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



PLAN

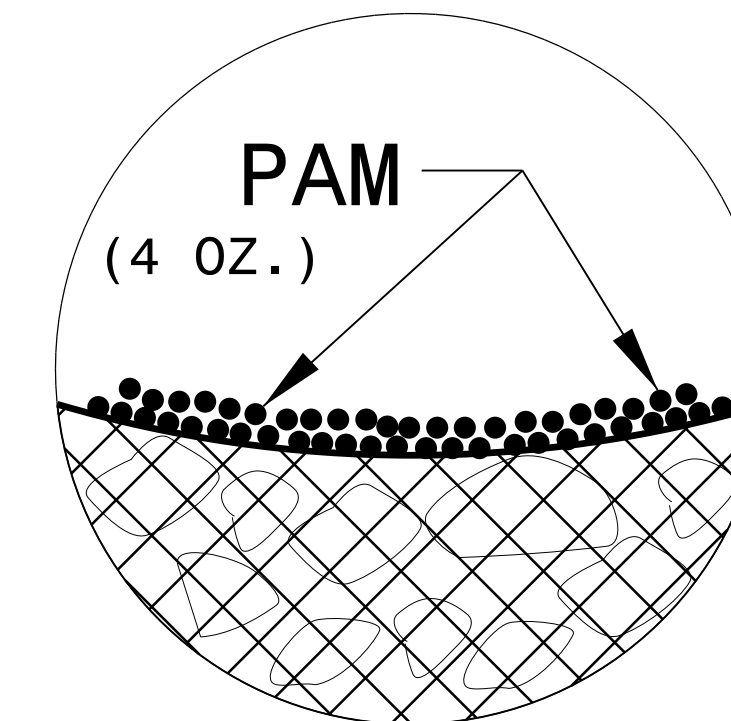
NOTES:

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

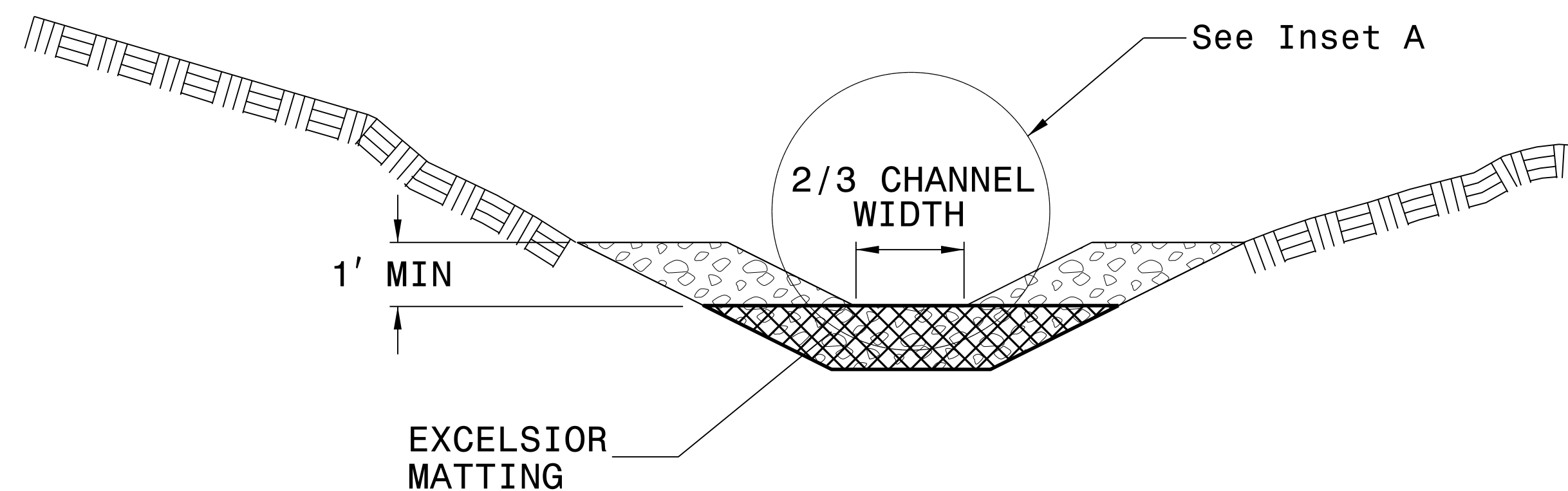
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

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.

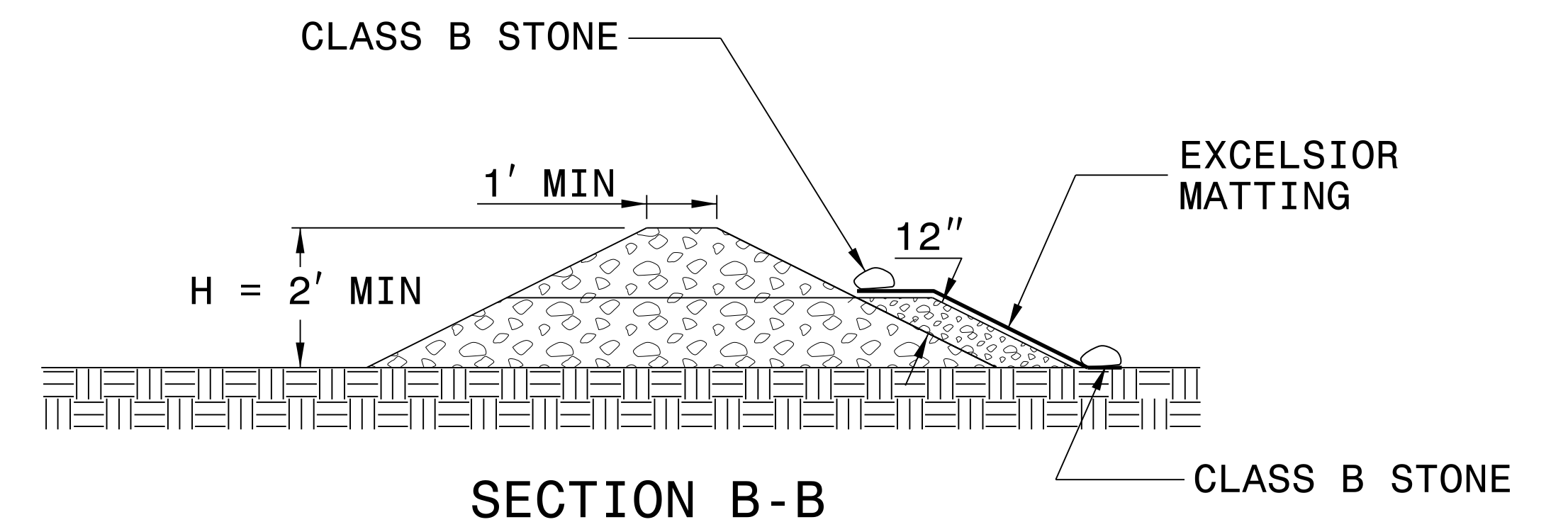
INITIALLY APPLY 4 OUNCES OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 0.50 INCHES.



INSET A



SECTION A-A



SECTION B-B

NOT TO SCALE

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

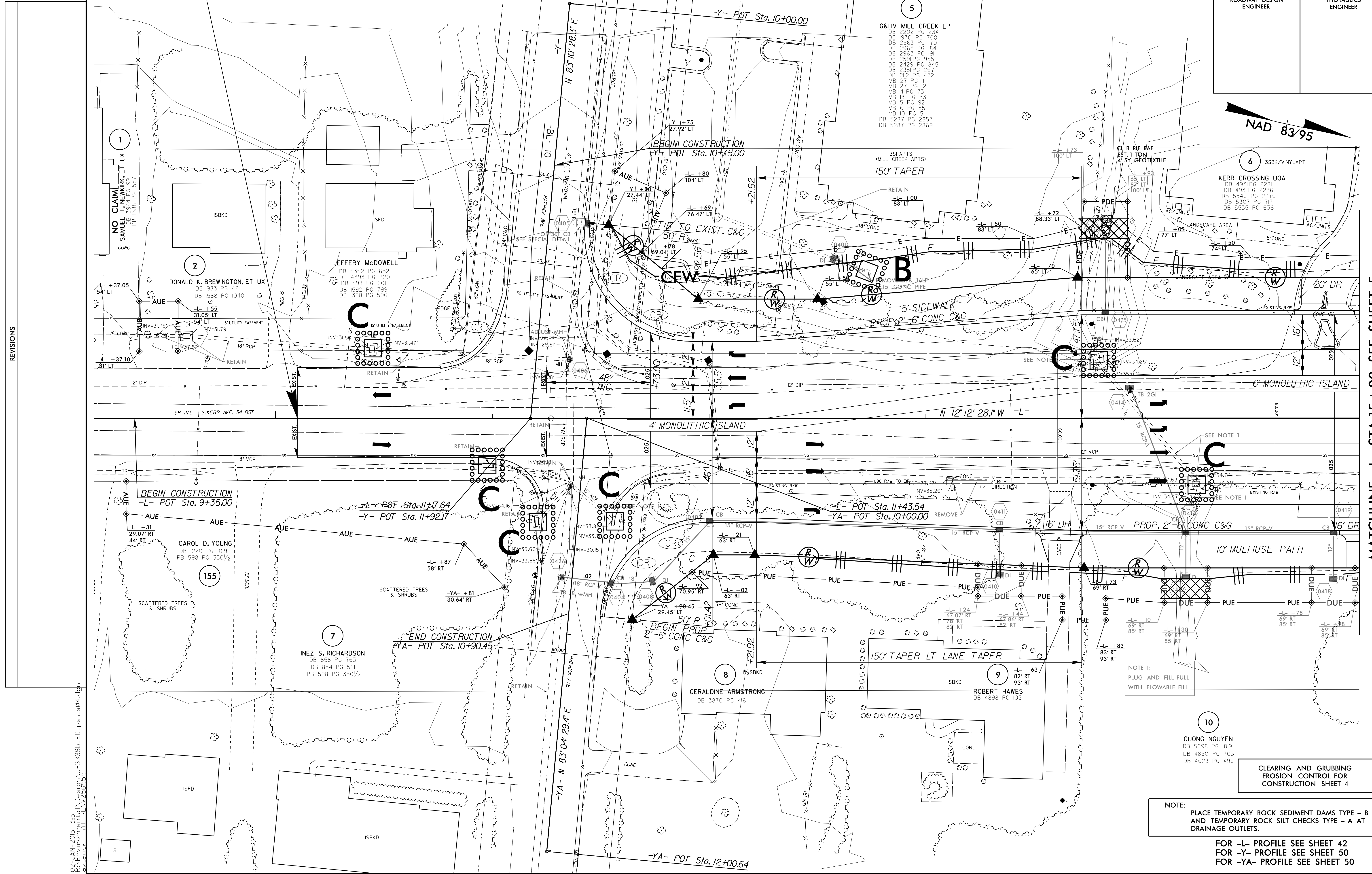
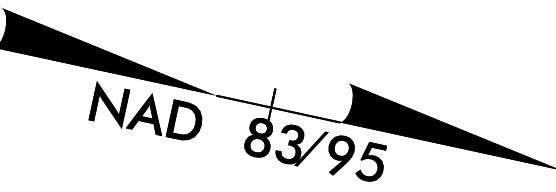
PROJECT REFERENCE NO. <i>U-3338B</i>	SHEET NO. <i>EC-3</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 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.

STA. 10+10.00 -L- BEGIN TIP PROJECT U-3338B

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-4/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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REVISIONS

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MATCHLINE -L- STA.15+00 SEE SHEET 5

NOTE 1:
 PLUG AND FILL FULL
 WITH FLOWABLE FILL

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

FOR -L- PROFILE SEE SHEET 42
 FOR -Y- PROFILE SEE SHEET 50
 FOR -YA- PROFILE SEE SHEET 50

NO CLAIM
 SAMUEL T. NEWBARK ET UX
 DB 3344 PG 99
 DB 1588 PG 1587

2
 DONALD K. BREWINGTON, ET UX
 DB 983 PG 42
 DB 1588 PG 1040

JEFFERY McDOWELL
 DB 5352 PG 652
 DB 4393 PG 720
 DB 5398 PG 601
 DB 1592 PG 799
 DB 1328 PG 596

155
 CAROL D. YOUNG
 DB 1220 PG 1019
 PB 598 PG 350 1/2

7
 INEZ S. RICHARDSON
 DB 858 PG 163
 DB 854 PG 521
 PB 598 PG 350 1/2

8
 GERALDINE ARMSTRONG
 DB 3870 PG 416

9
 ROBERT HAWES
 DB 4898 PG 105

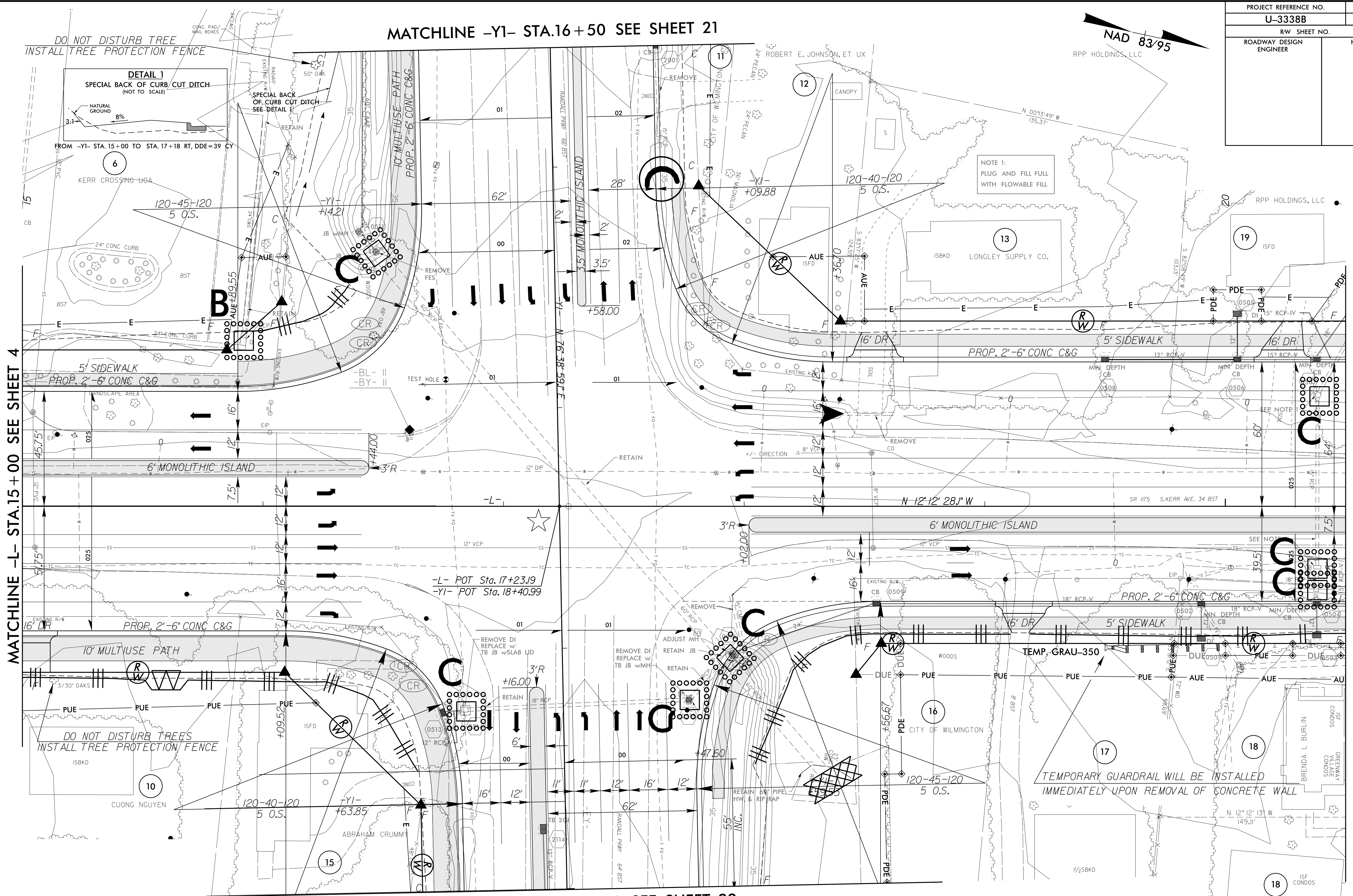
10
 CUONG NGUYEN
 DB 5298 PG 1819
 DB 4890 PG 703
 DB 4623 PG 499

5
 G&IV MILL CREEK LP
 DB 2202 PG 234
 DB 1970 PG 708
 DB 2963 PG 170
 DB 2963 PG 184
 DB 2963 PG 191
 DB 2591 PG 955
 DB 2429 PG 845
 DB 2351 PG 267
 DB 2112 PG 472
 MB 27 PG 11
 MB 27 PG 12
 MB 41 PG 73
 MB 13 PG 33
 MB 5 PG 92
 MB 6 PG 55
 MB 10 PG 5
 DB 5287 PG 2857
 DB 5287 PG 2869

6
 35BK/VINYLAFT
 KERR CROSSING UOA
 DB 4931 PG 2281
 DB 4931 PG 2286
 DB 5307 PG 717
 DB 5535 PG 636

PROJECT REFERENCE NO. U-3338B	SHEET NO. <i>EC-5/CONST.5</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -Y1- STA.16+50 SEE SHEET 21



MATCHLINE -L- STA.15+00 SEE SHEET 4

MATCHLINE -L- STA.20+50 SEE SHEET 6

MATCHLINE -Y1- STA.20+00 SEE SHEET 22

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 5

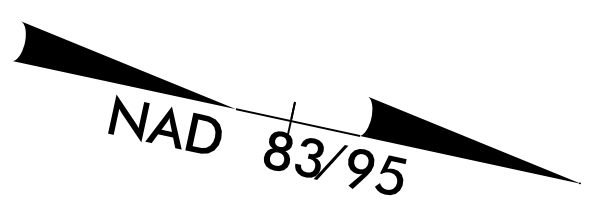
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.



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23 JAN-2015 13:31
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U-3338B-EC-5/CONST.5

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-6/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



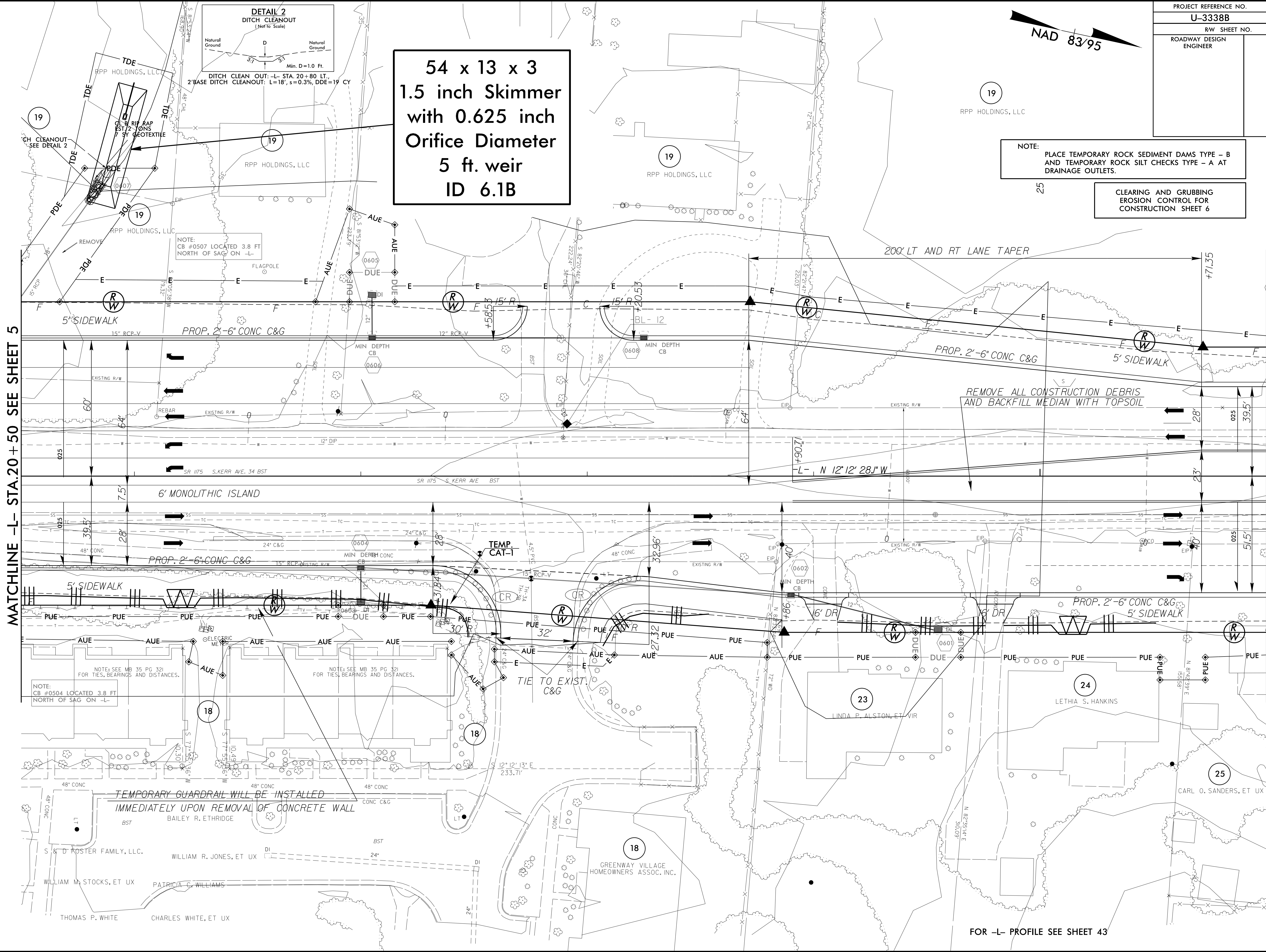
**54 x 13 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
5 ft. weir
ID 6.1B**

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 6

MATCHLINE -L- STA.20+50 SEE SHEET 5

MATCHLINE -L- STA.26+00 SEE SHEET 7

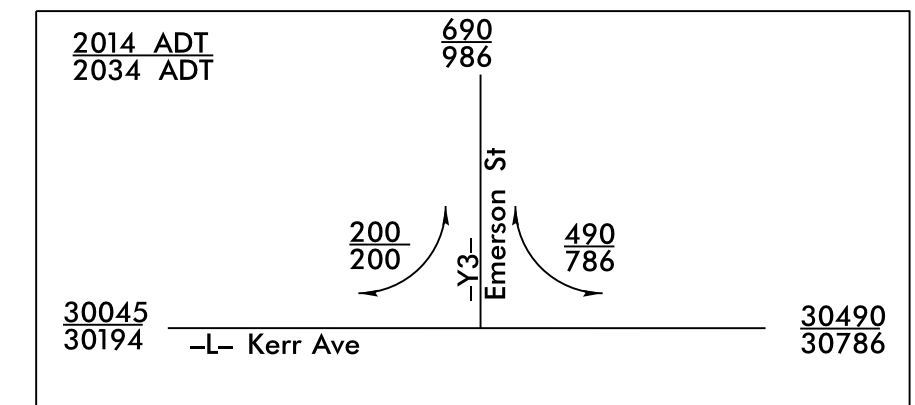
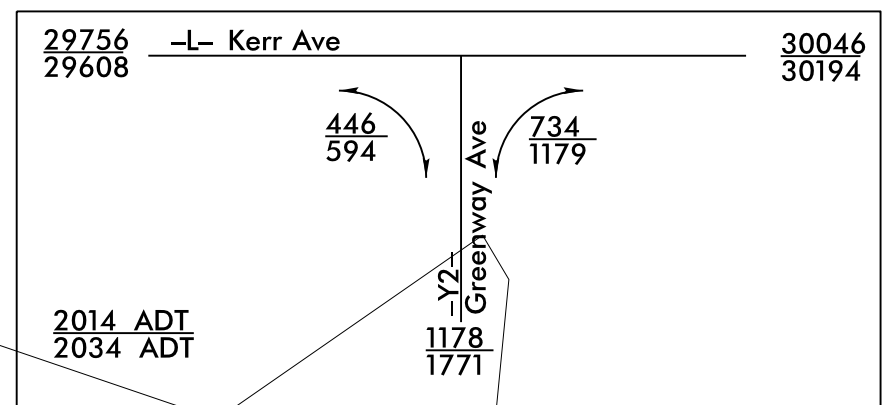
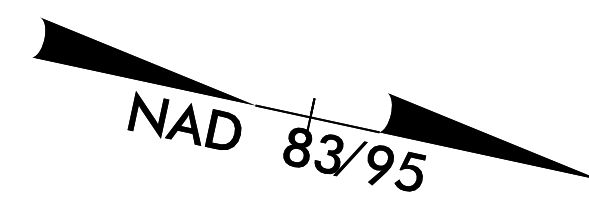


02 JAN-2015 14:16
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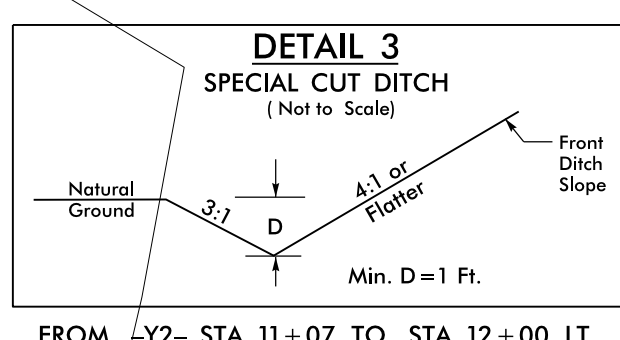
FOR -L- PROFILE SEE SHEET 43

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-7/CONST-7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

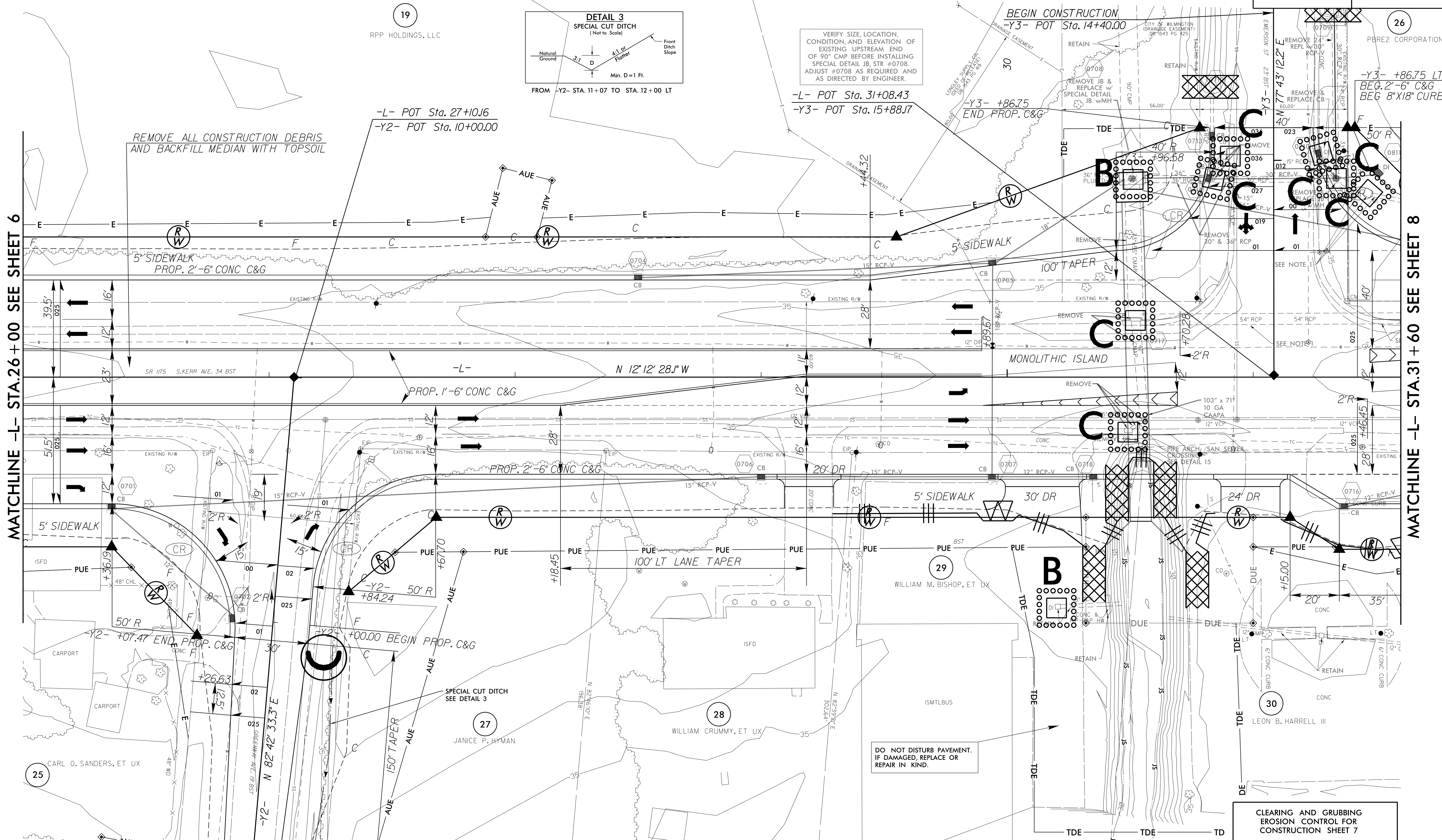
8/17/99



NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL



VERIFY SIZE, LOCATION,
CONDITION, AND ELEVATION OF
EXISTING UPSTREAM END
OF 90° CMP BEFORE INSTALLING
SPECIAL DETAIL JB, STR #0708.
ADJUST #0708 AS REQUIRED AND
AS DIRECTED BY ENGINEER.



MATCHLINE -L- STA.26+00 SEE SHEET 6

MATCHLINE -L- STA.31+60 SEE SHEET 8

REVISIONS

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A:\COMMON\ALL PROJECTS\U-3338B

MATCH LINE -Y2- STA.12+00 SEE SHEET 23

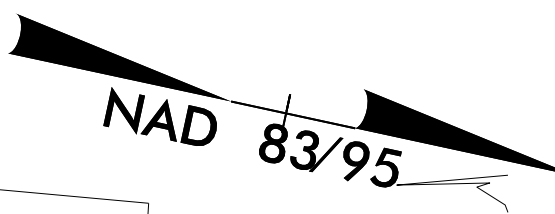
INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

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

DO NOT DISTURB PAVEMENT.
IF DAMAGED, REPLACE OR
REPAIR IN KIND.

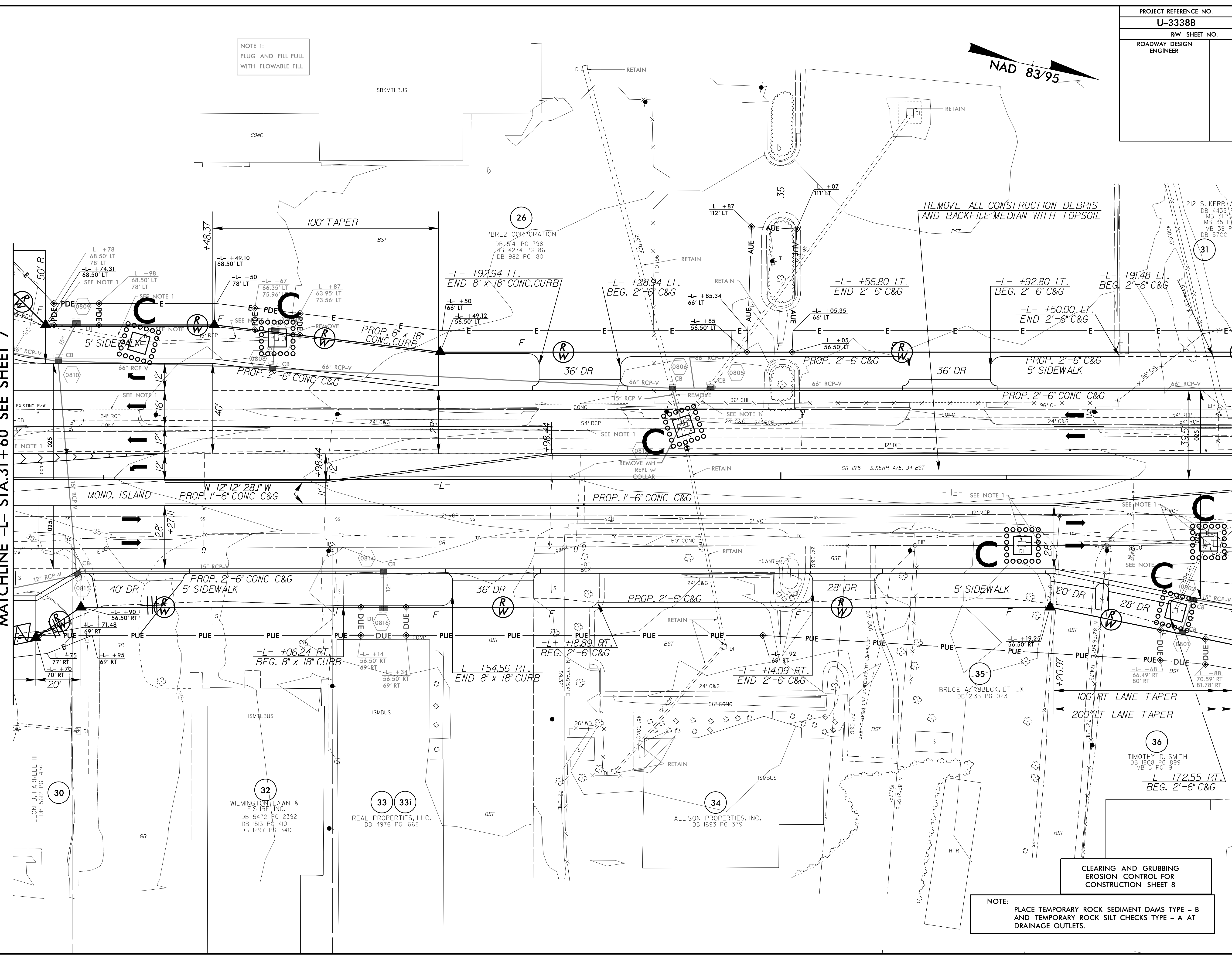
PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-8/CONST.8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

MATCHLINE -L- STA.31+60 SEE SHEET 7

MATCHLINE -L- STA.37+00 SEE SHEET 9



CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

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

8/17/99

REVISIONS

02 JAN-2015 14:29
 R:\NEW\CONSTR\U-3338B-EC.upsh.s08.dgn
 A:\ADMIN\...

30
LEON B. HARRELL III
DB 5612 PG 1436

32
WILMINGTON LAWN &
LEISURE INC.
DB 5472 PG 2392
DB 1513 PG 410
DB 1297 PG 340

33 33i
REAL PROPERTIES, LLC.
DB 4976 PG 1668

34
ALLISON PROPERTIES, INC.
DB 1633 PG 379

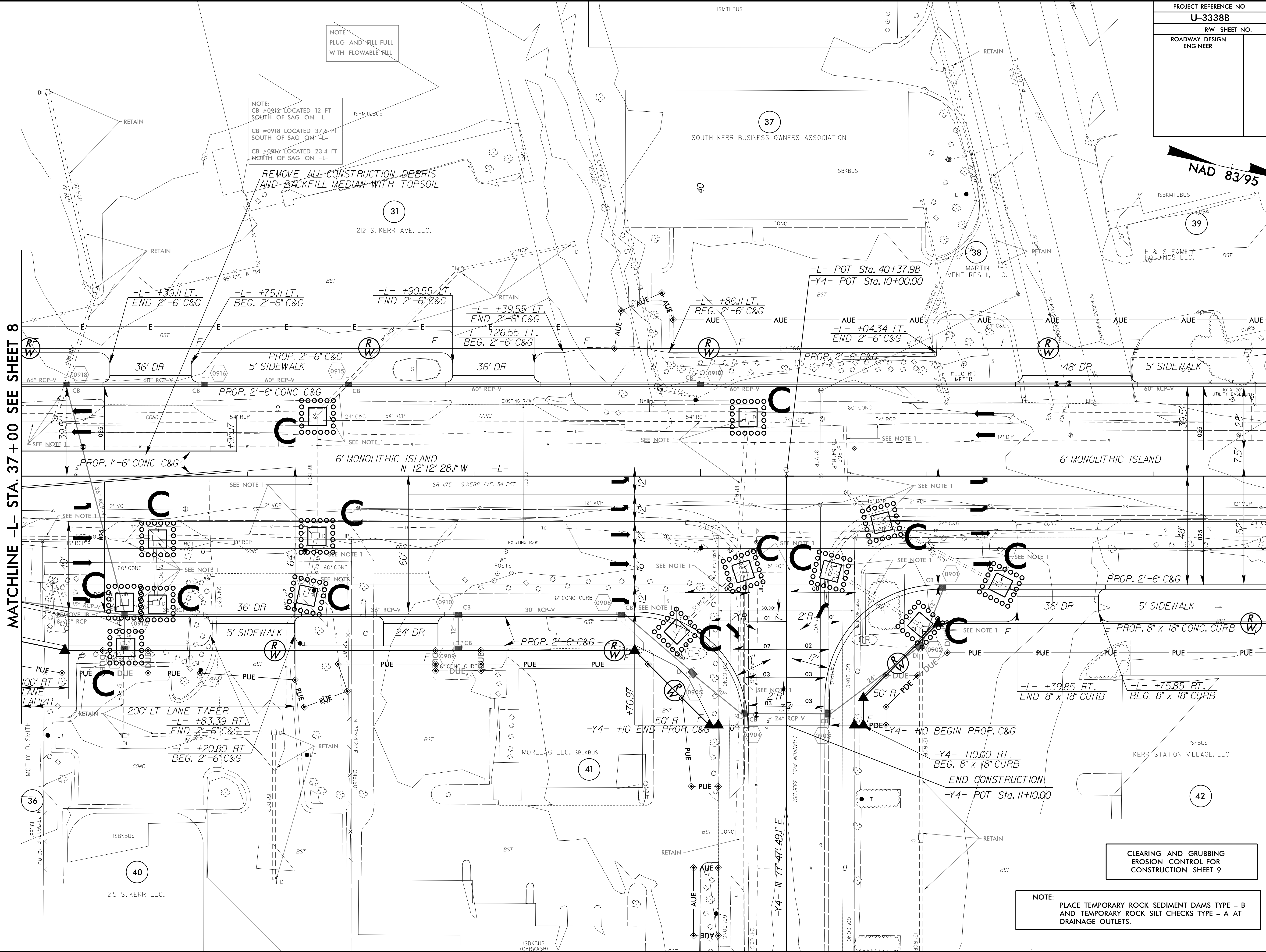
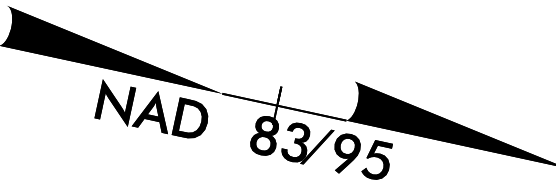
35
BRUCE A. KUBECK, ET UX
DB 2135 PG 023

36
TIMOTHY D. SMITH
DB 1808 PG 399
MB 5 PG 19
-L- +72.55 RT.
BEG. 2'-6" C&G

26
PBRE2 CORPORATION
DB 2141 PG 798
DB 4274 PG 861
DB 982 PG 180

31
212 S. KERR AVE, LLC.
DB 4435 PG 239
MB 31 PG 329
MB 35 PG 292
MB 39 PG 341
DB 5700 PG 1051

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-9/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -L- STA. 37+00 SEE SHEET 8

MATCHLINE -L- STA. 42+50 SEE SHEET 10

NOTE 1:
PLUG AND FILL FULL WITH FLOWABLE FILL

NOTE:
CB #0912 LOCATED 12 FT SOUTH OF SAG ON -L-
CB #0918 LOCATED 37.6 FT SOUTH OF SAG ON -L-
CB #0916 LOCATED 23.4 FT NORTH OF SAG ON -L-
REMOVE ALL CONSTRUCTION DEBRIS AND BACKFILL MEDIAN WITH TOPSOIL

-L- POT Sta. 40+37.98
-Y4- POT Sta. 10+00.00

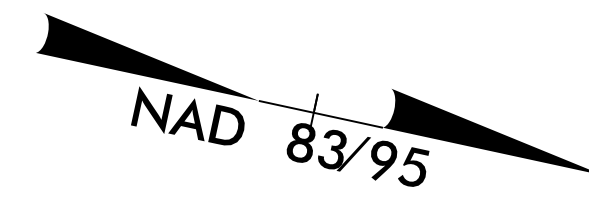
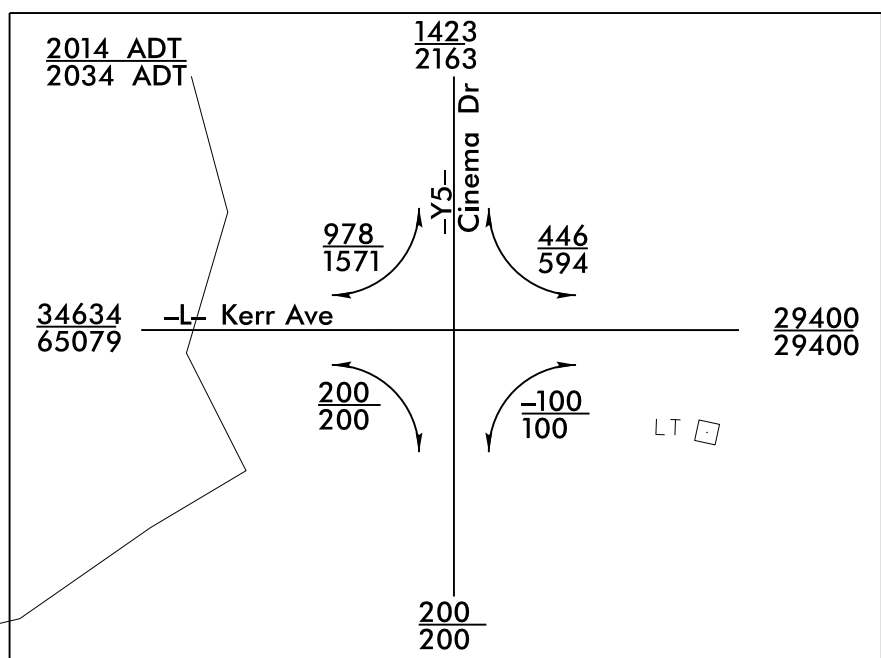
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 REVISIONS
 02 JAN-2015 14:33
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CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

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

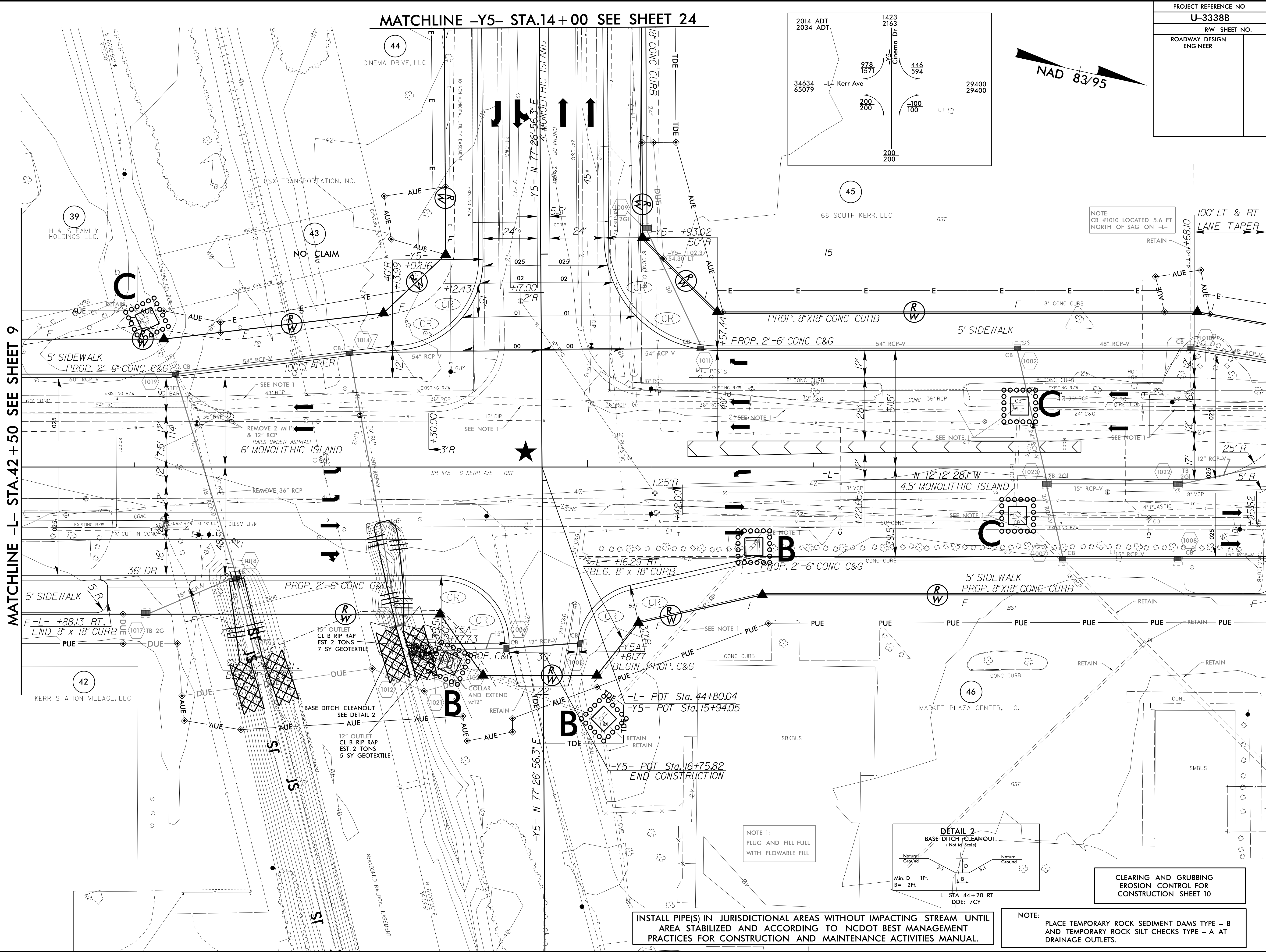
PROJECT REFERENCE NO. U-3338B	SHEET NO. EC-10/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -Y5- STA.14+00 SEE SHEET 24



MATCHLINE -L- STA.42+50 SEE SHEET 9

MATCHLINE -L- STA.48+00 SEE SHEET 11



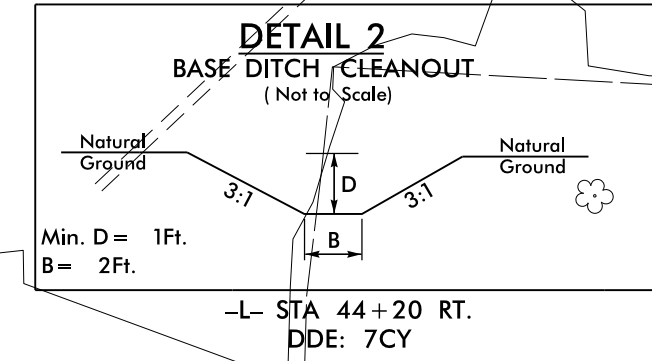
REVISIONS

8/17/99

92 JAN-2015 14:38
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 U-3338B-10-CONST.10

NOTE:
 CB #1010 LOCATED 5.6 FT
 NORTH OF SAG ON -L-

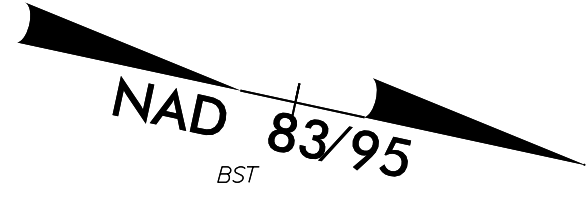
CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 10



NOTE 1:
 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.

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

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-II/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTE 1:
PLUG AND FILL FULL WITH FLOWABLE FILL

47
CLI HOLDINGS, LLC
DB 5269 PG 2858
DB 5374 PG 421
MB 51 PG 390

45
68 SOUTH KERR, LLC
DB 5256 PG 563

46
MARKET PLAZA CENTER, LLC.
DB 5364 PG 1777
DB 791 PG 112
DB 815 PG 411
DB 790 PG 352
DB 789 PG 131
DB 1637 PG 1944
DB 1913 PG 406

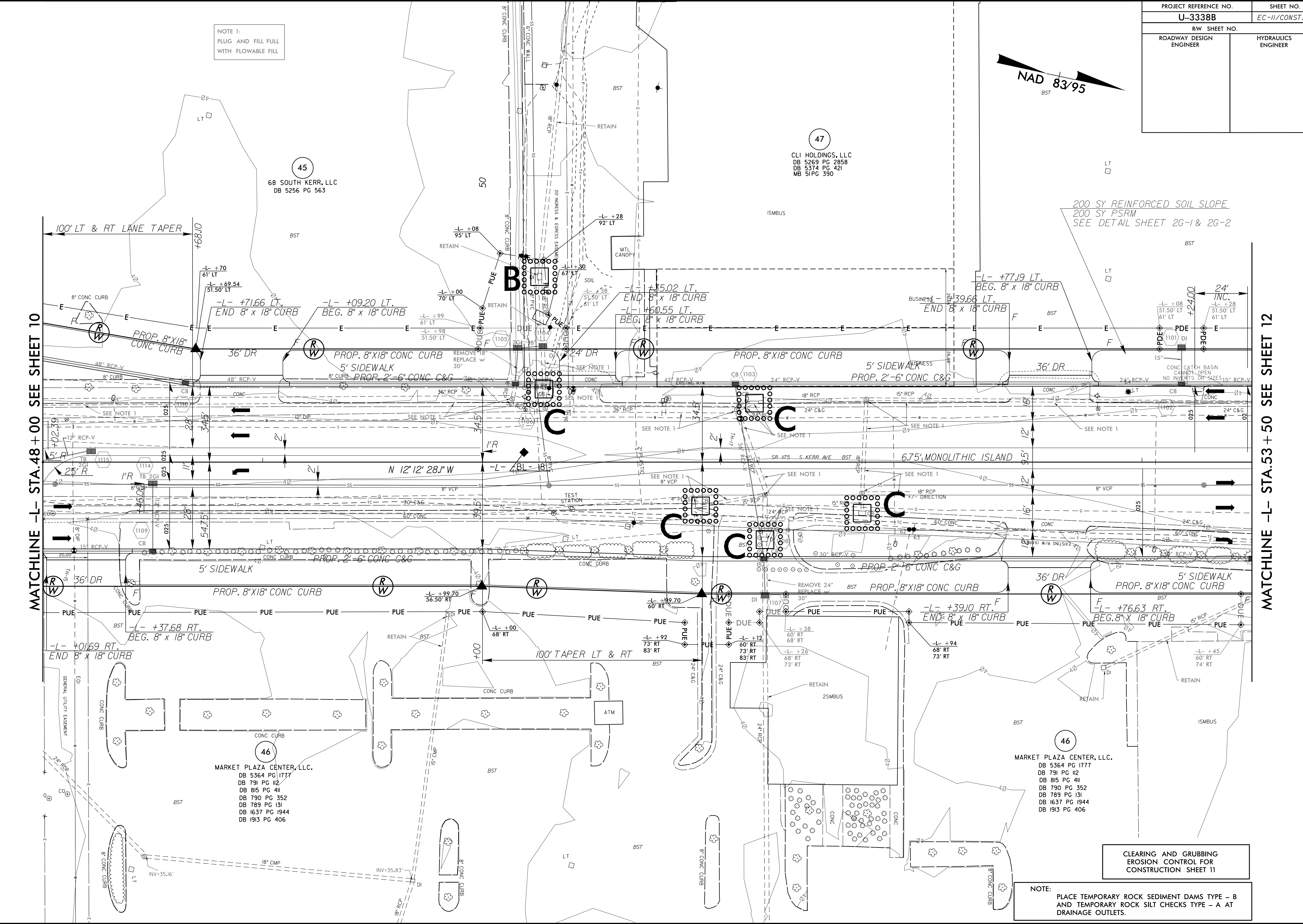
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 11

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

MATCHLINE -L- STA.48+00 SEE SHEET 10

MATCHLINE -L- STA.53+50 SEE SHEET 12

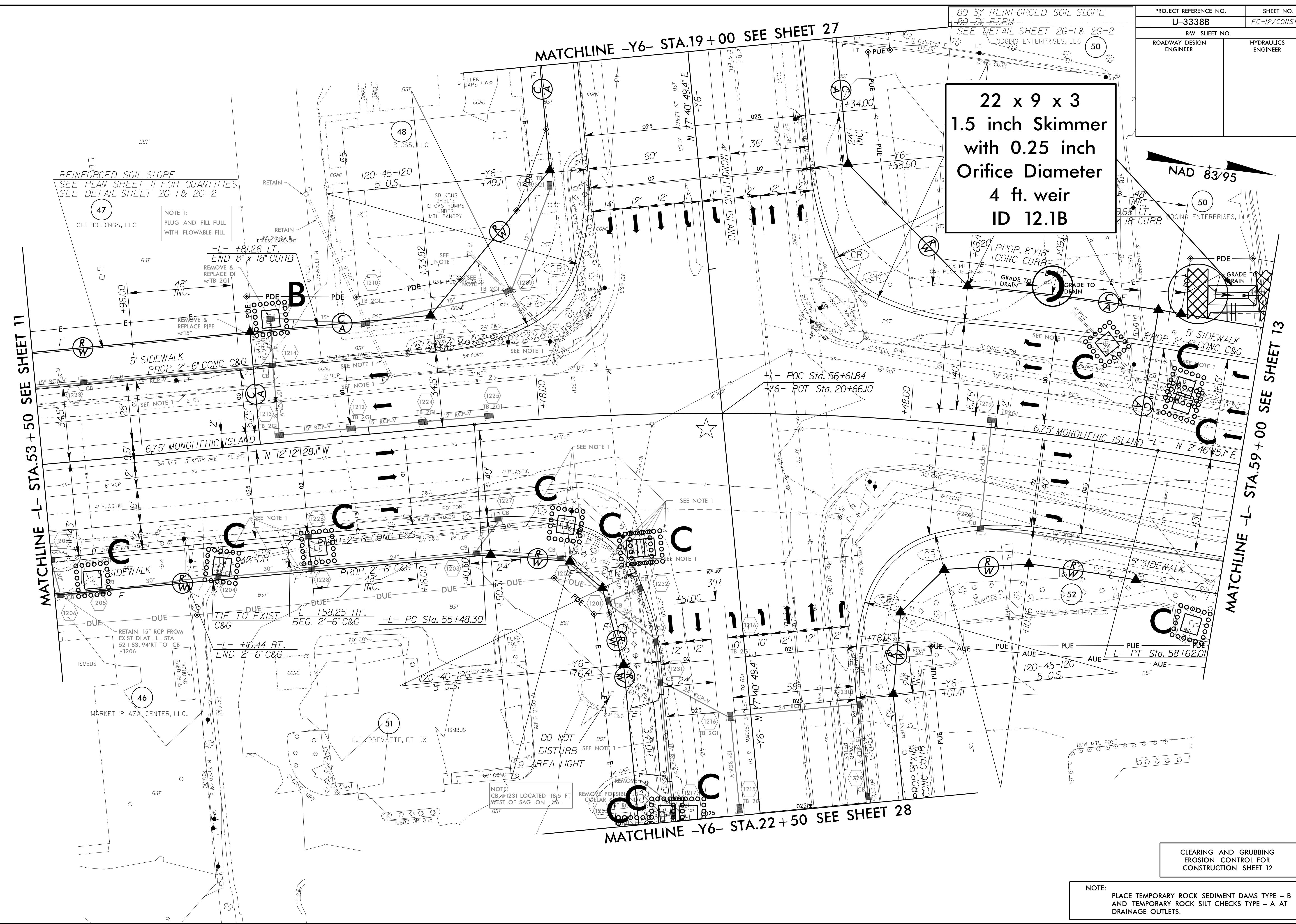
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9/21/2015 14:42
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U-3338B-EC-II-CONST.II



PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-12/CONST.12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -Y6- STA.19+00 SEE SHEET 27

22 x 9 x 3
1.5 inch Skimmer
with 0.25 inch
Orifice Diameter
4 ft. weir
ID 12.1B



MATCHLINE -L- STA.53+50 SEE SHEET 11

MATCHLINE -L- STA.59+00 SEE SHEET 13

MATCHLINE -Y6- STA.22+50 SEE SHEET 28

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 12

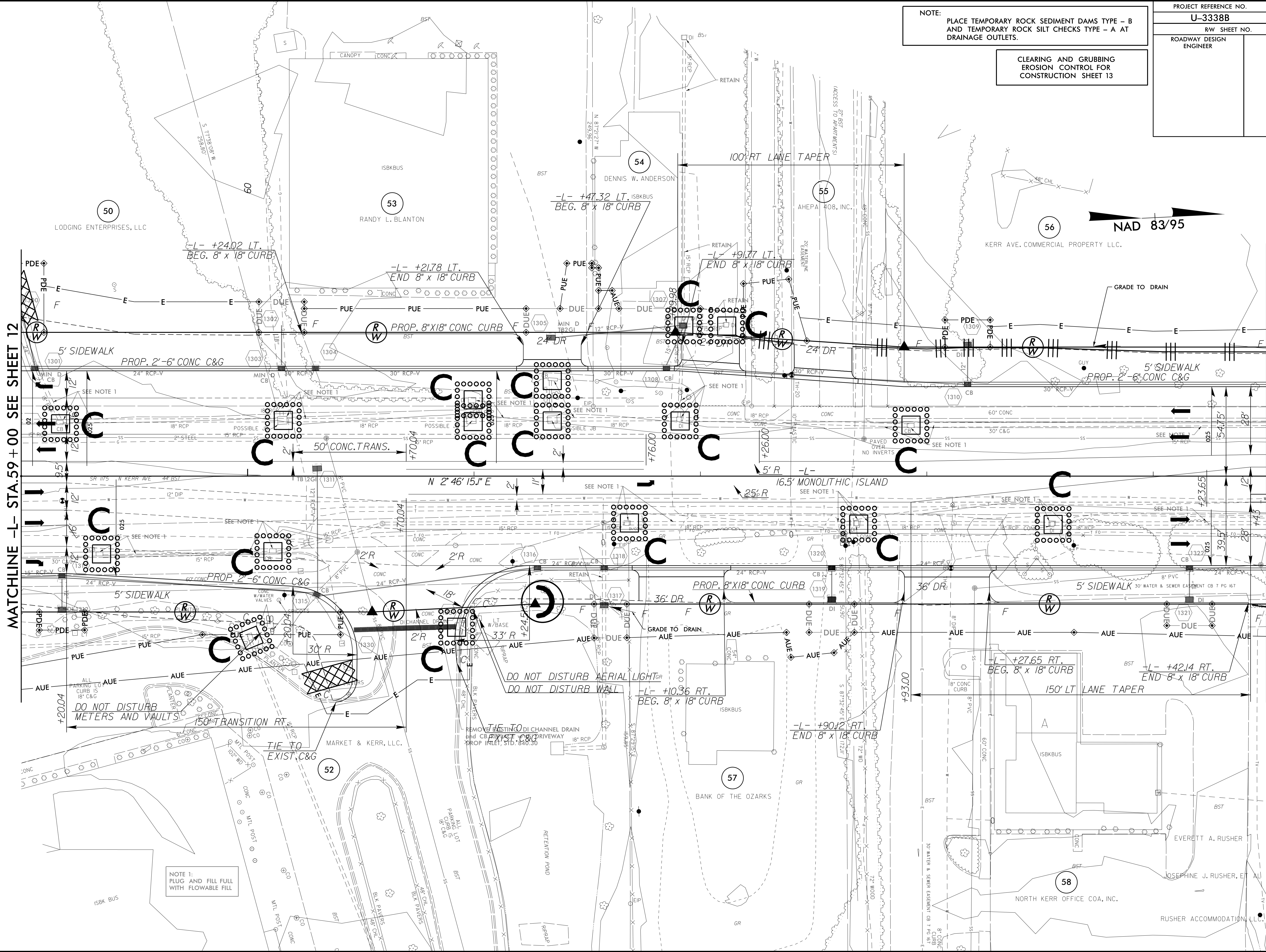
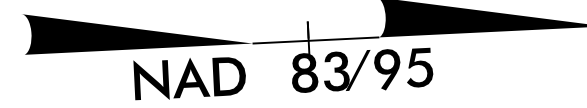
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

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 02 JAN-2015 14:51
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PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-13/CONST.13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 13



MATCHLINE -L- STA.59 + 00 SEE SHEET 12

MATCHLINE -L- STA.64 + 50 SEE SHEET 14

NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

DO NOT DISTURB
METERS AND VAULTS

DO NOT DISTURB AERIAL LIGHTS
DO NOT DISTURB WALL

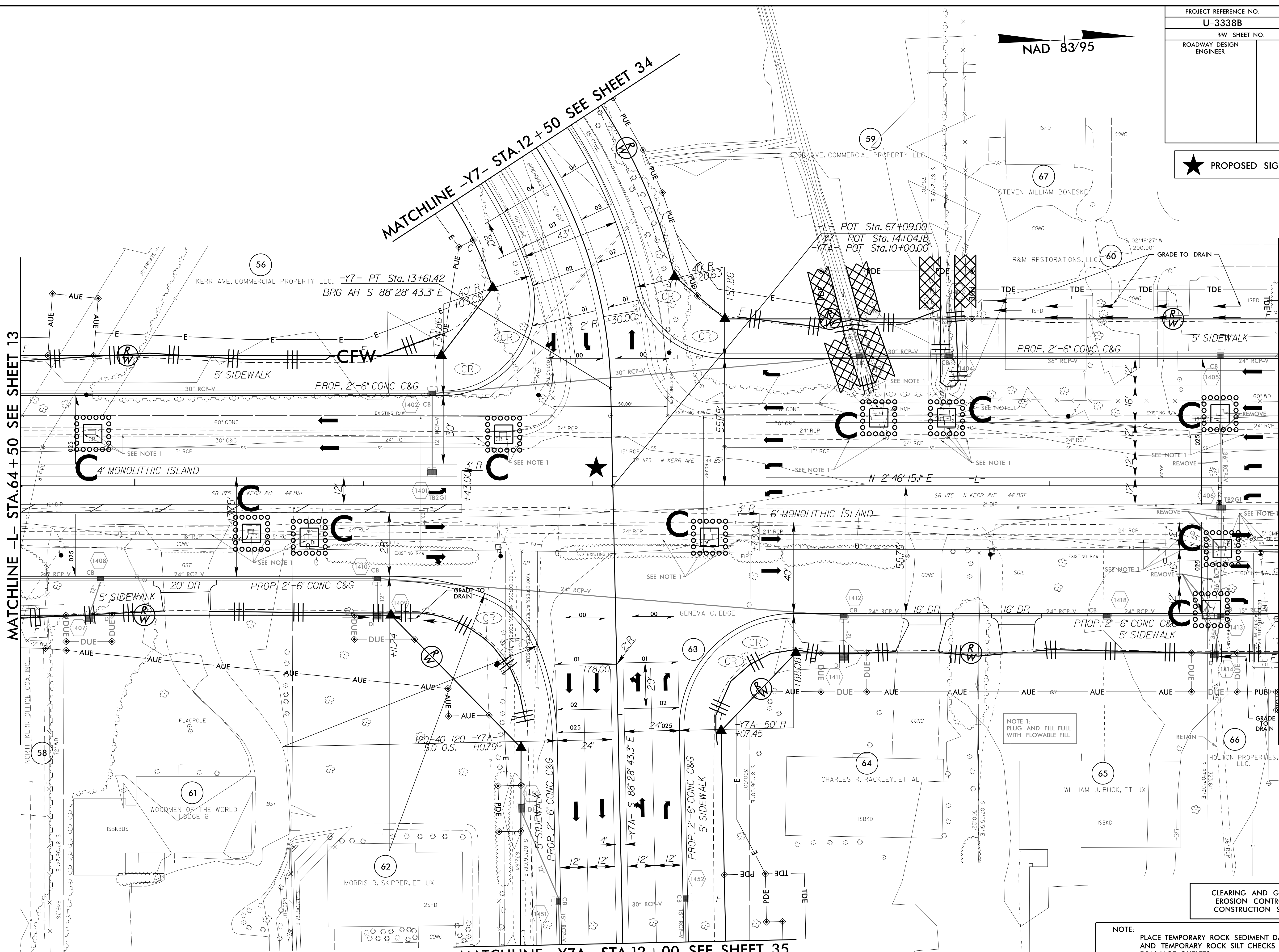
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PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-14/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/95

★ PROPOSED SIGNAL



MATCHLINE -L- STA.64 + 50 SEE SHEET 13

MATCHLINE -Y7- STA.12 + 50 SEE SHEET 34

MATCHLINE -L- STA.70 + 00 SEE SHEET 15

MATCHLINE -Y7A- STA.12 + 00 SEE SHEET 35

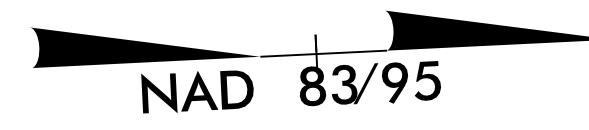
NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 14

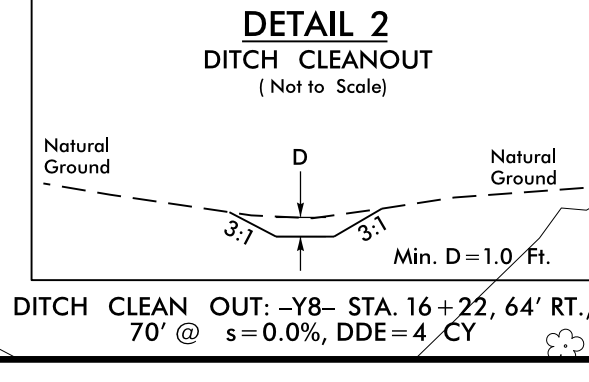
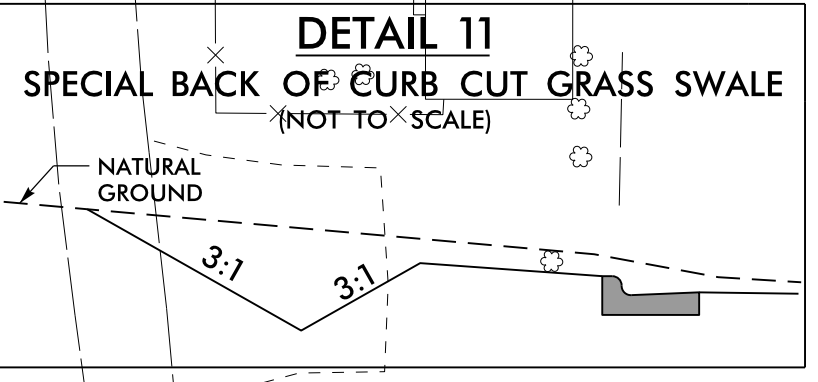
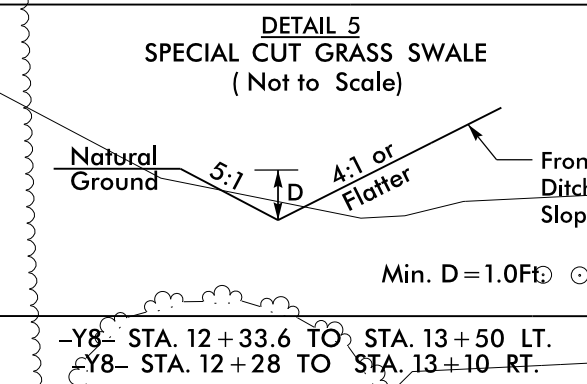
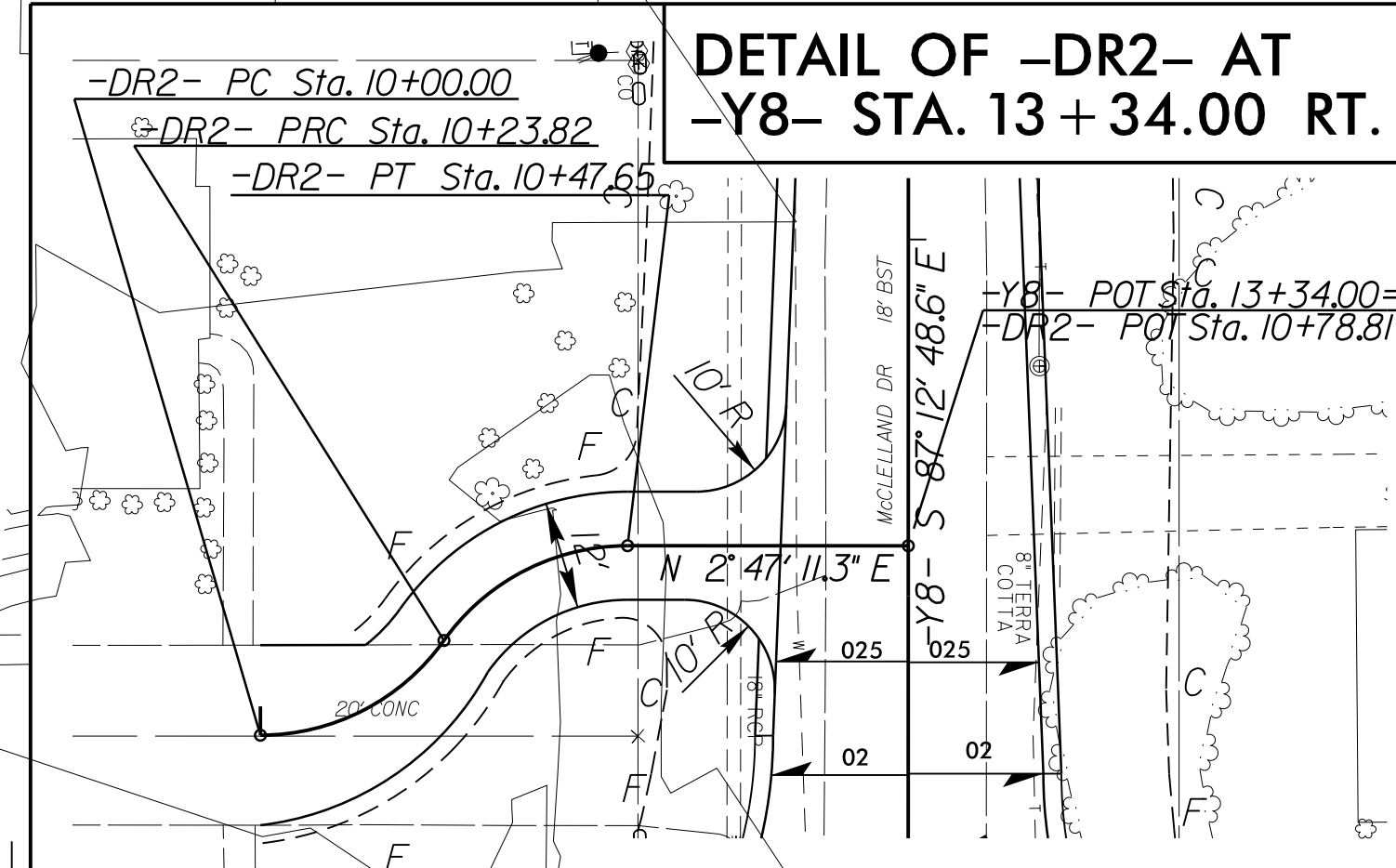
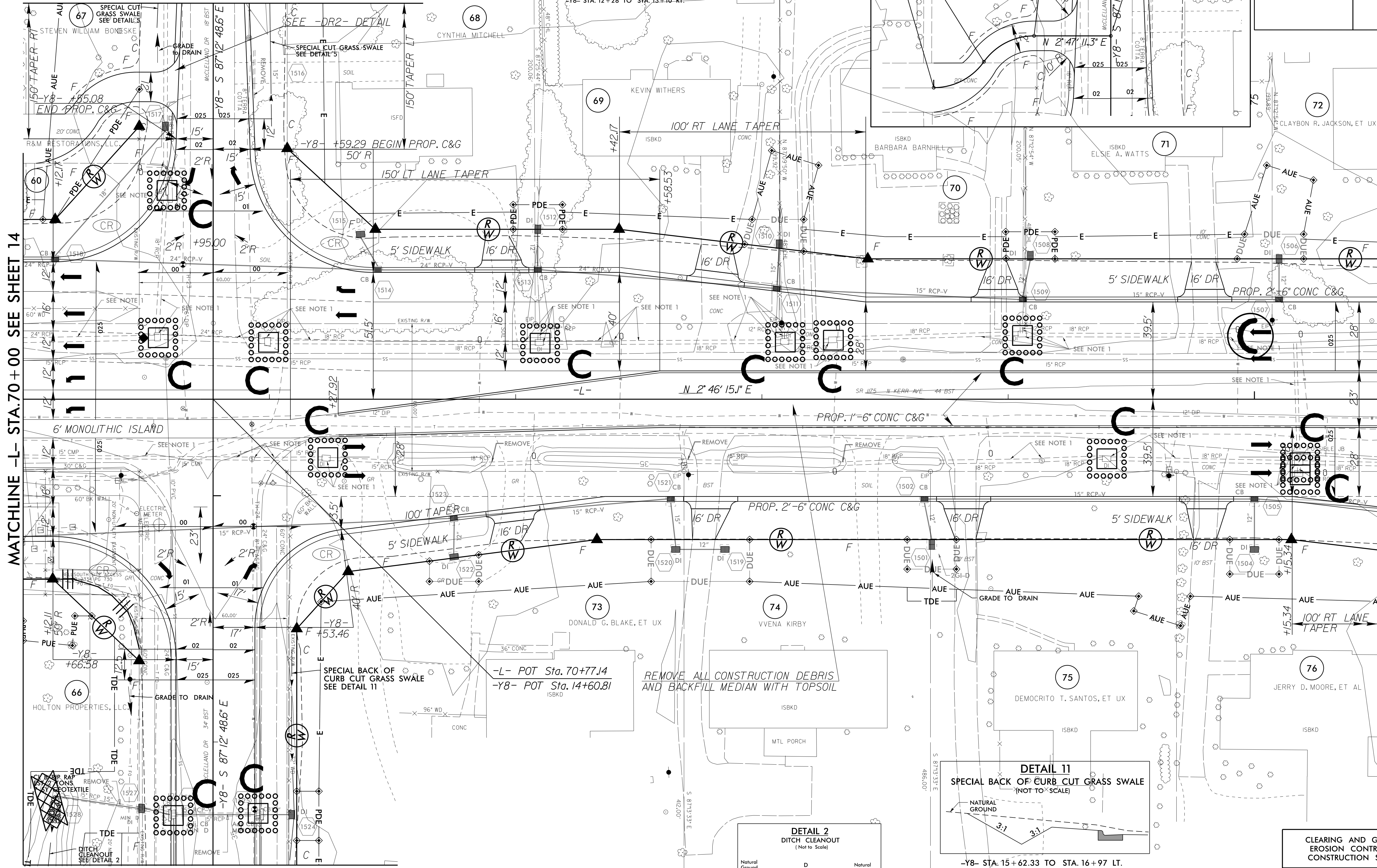
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

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PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-15/CONST.15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -Y8- STA.13+00 SEE SHEET 37



CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 15

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

MATCHLINE -L- STA.70+00 SEE SHEET 14

MATCHLINE -L- STA.75+50 SEE SHEET 16

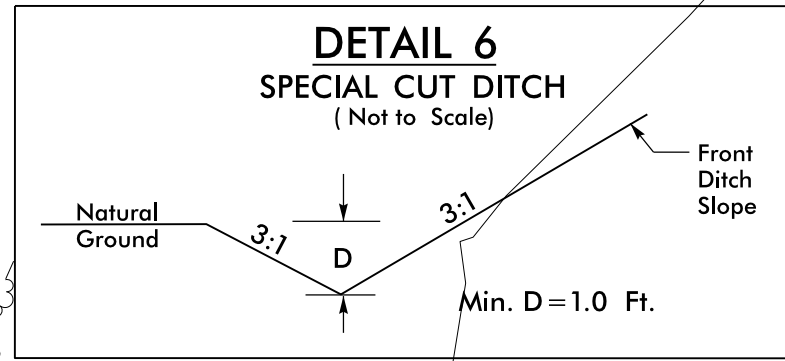
MATCHLINE -Y8- STA.16+50 SEE SHEET 38

8/17/99

92 JAN-2015 15:06 D:\as\p\U-3338b-EC.upsh.s15.dgn
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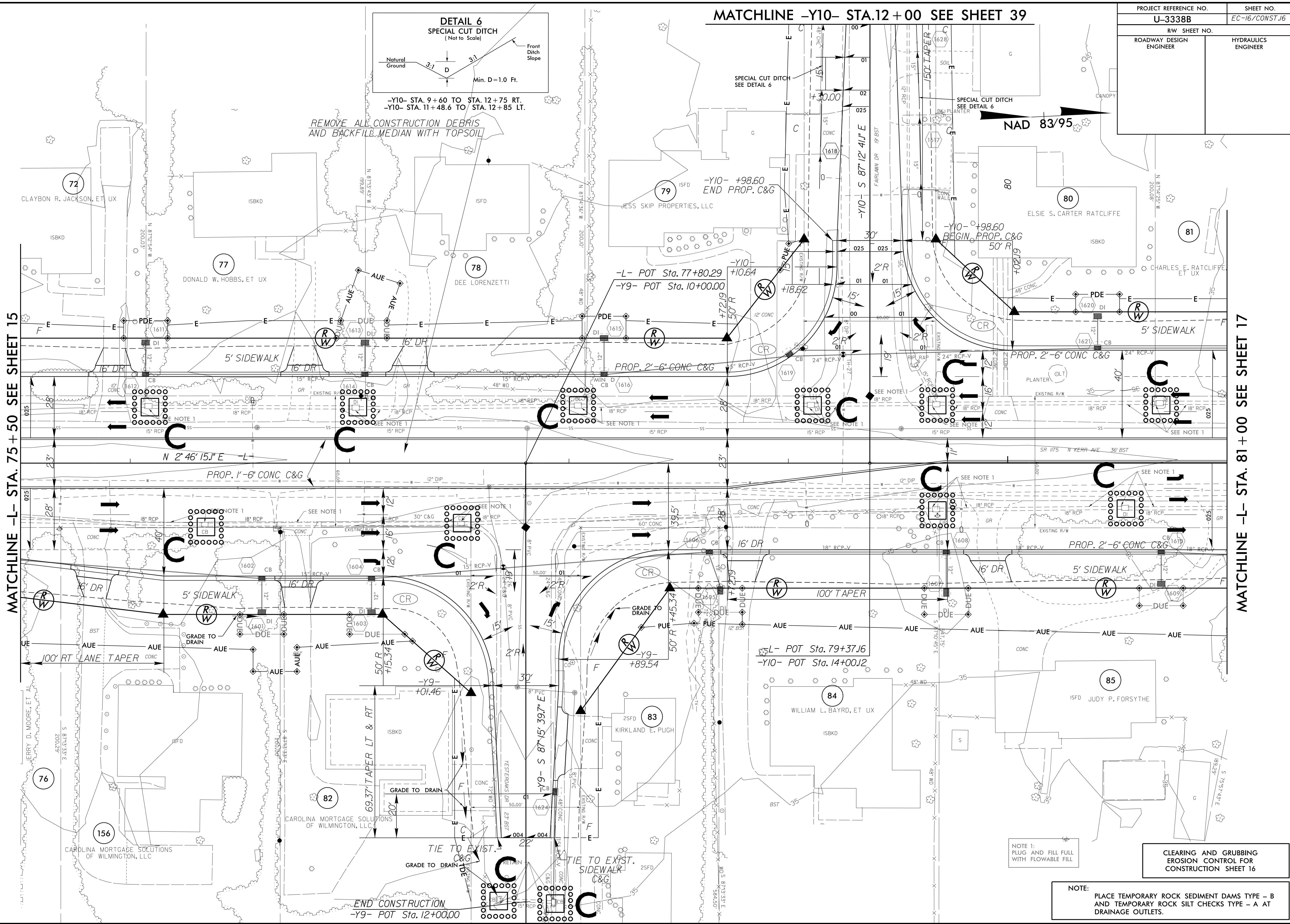
PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-16/CONST.16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -Y10- STA.12+00 SEE SHEET 39



-Y10- STA. 9+60 TO STA. 12+75 RT.
-Y10- STA. 11+48.6 TO STA. 12+85 LT.

REMOVE ALL CONSTRUCTION DEBRIS
AND BACKFILL MEDIAN WITH TOPSOIL



MATCHLINE -L- STA. 75+50 SEE SHEET 15

MATCHLINE -L- STA. 81+00 SEE SHEET 17

NAD 83/95

NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 16

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

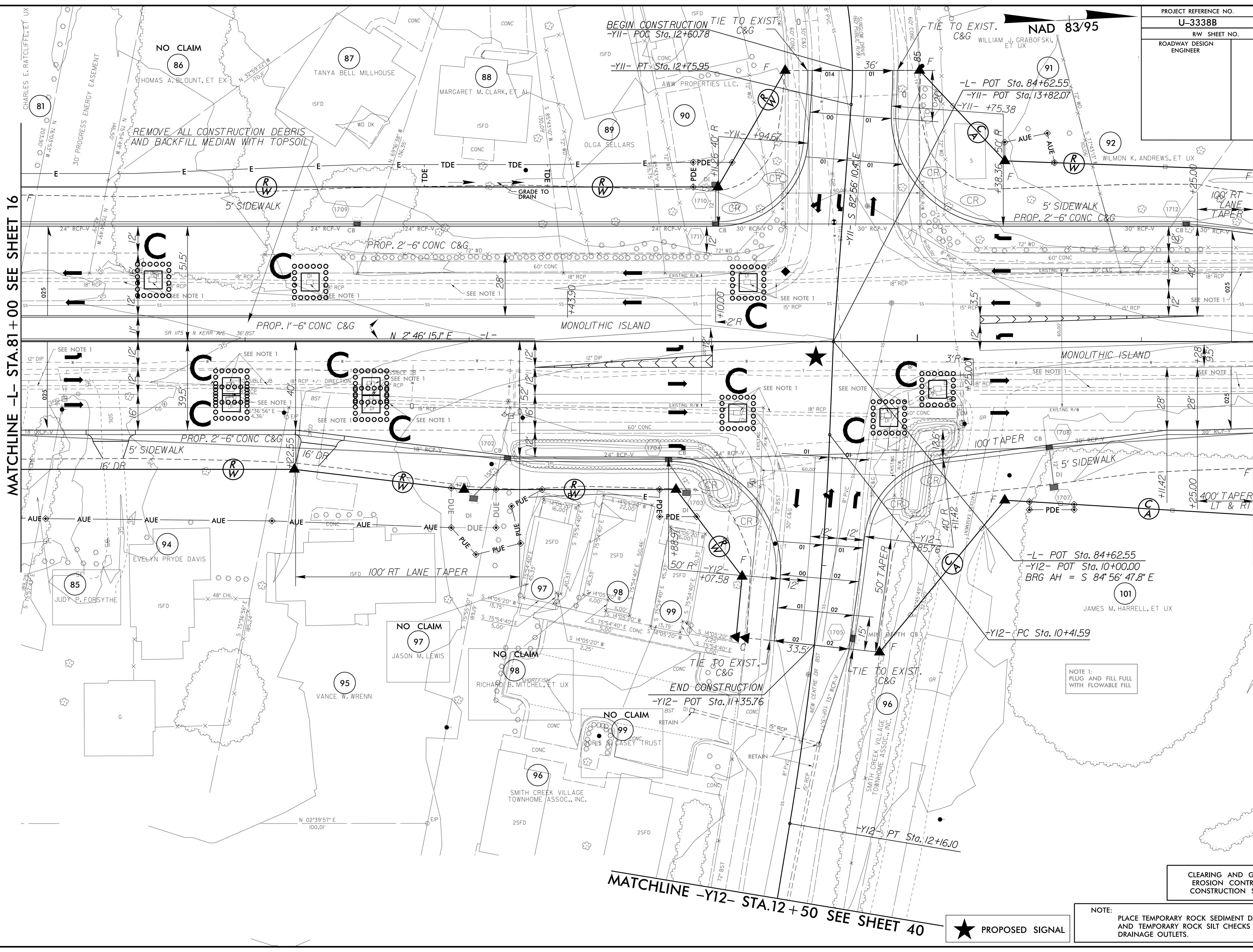
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U-3338B-EC-16/CONST.16

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-17/CONST.17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -L- STA.81+00 SEE SHEET 16

MATCHLINE -L- STA.86+50 SEE SHEET 18



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 01/22/2016 10:00 AM

NOTE 1:
 PLUG AND FILL FULL
 WITH FLOWABLE FILL

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

★ PROPOSED SIGNAL

MATCHLINE -Y12- STA.12+50 SEE SHEET 40

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 17

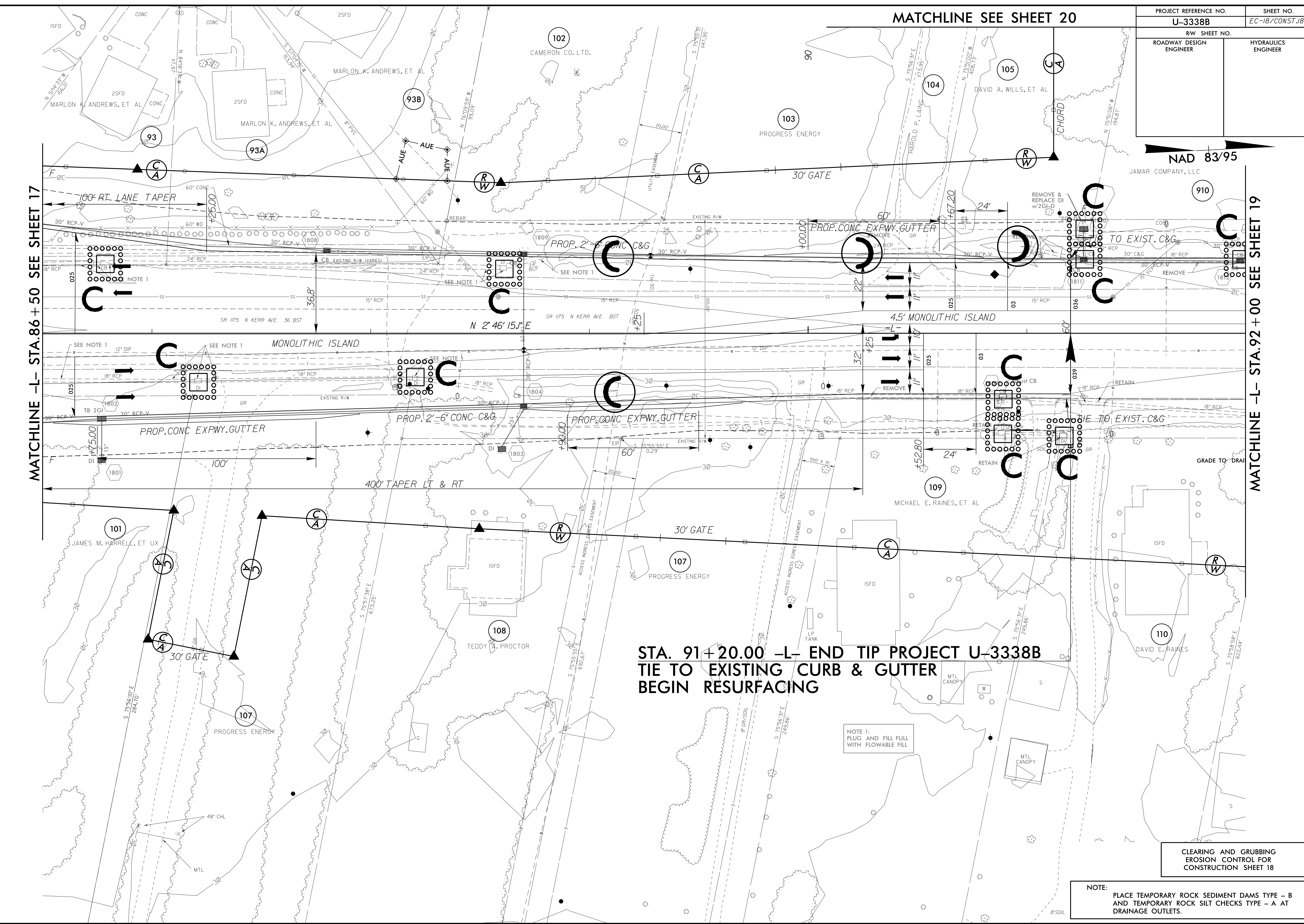
PROJECT REFERENCE NO. U-3338B	SHEET NO. <i>EC-18/CONST.18</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/95

MATCHLINE SEE SHEET 20

MATCHLINE -L- STA.86+50 SEE SHEET 17

MATCHLINE -L- STA.92+00 SEE SHEET 19



**STA. 91+20.00 -L- END TIP PROJECT U-3338B
TIE TO EXISTING CURB & GUTTER
BEGIN RESURFACING**

NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 18

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

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 02 JAN-2015 15:21
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MATCHLINE SEE SHEET 20

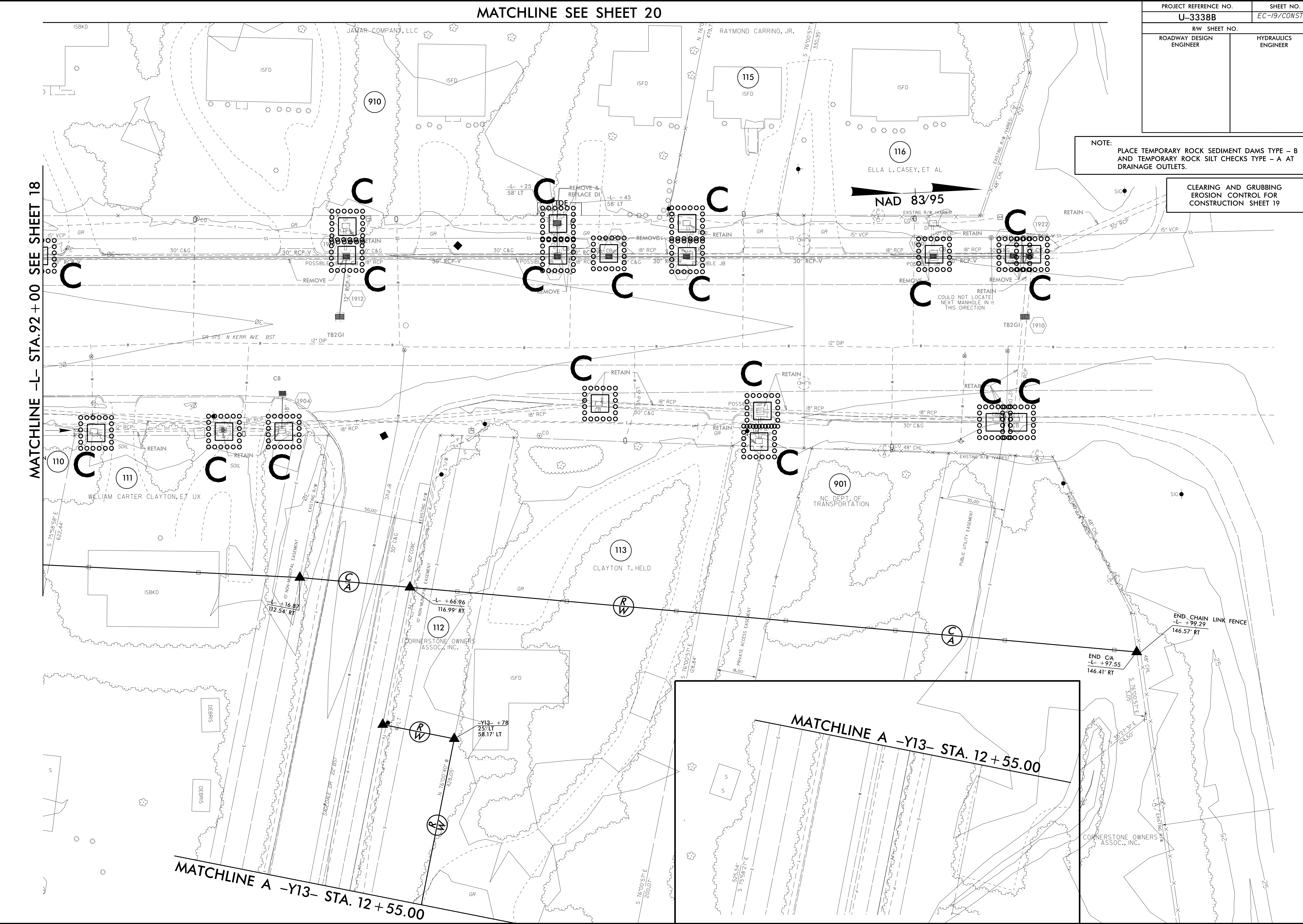
PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-19/CONST.19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

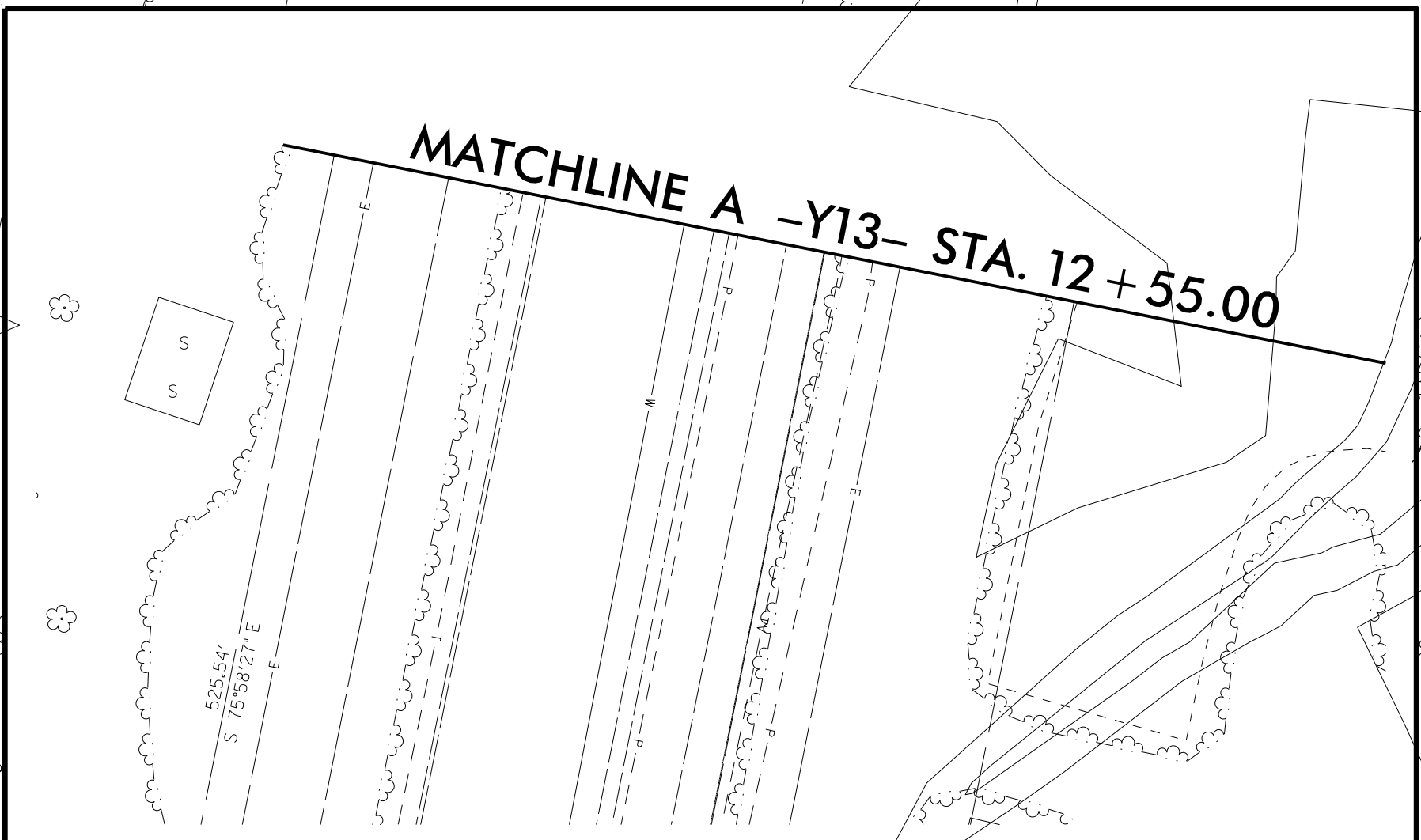
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 19

MATCHLINE -L- STA. 92 + 00 SEE SHEET 18

NAD 83/95

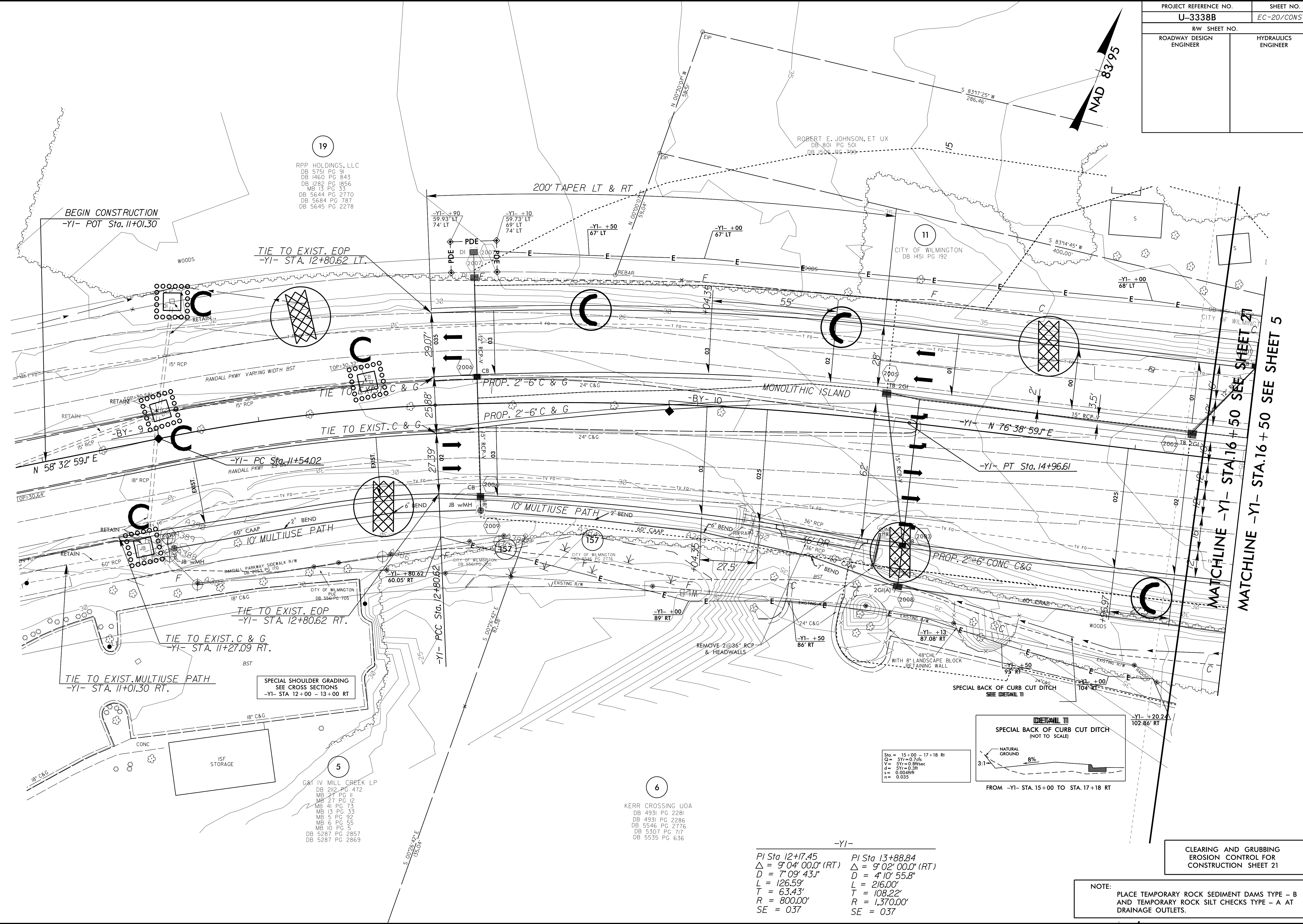
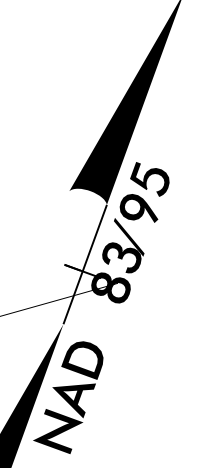


MATCHLINE A -Y13- STA. 12 + 55.00



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 92 JAN-2015 15:29
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 19/25

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-20/CONST.21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



19
RPP HOLDINGS, LLC
DB 5751 PG 31
DB 1460 PG 843
DB 1282 PG 1856
MB 15 PG 33
DB 5644 PG 2770
DB 5684 PG 787
DB 5645 PG 2278

ROBERT E. JOHNSON, ET UX
DB 801 PG 501
DB 1506 PG 799

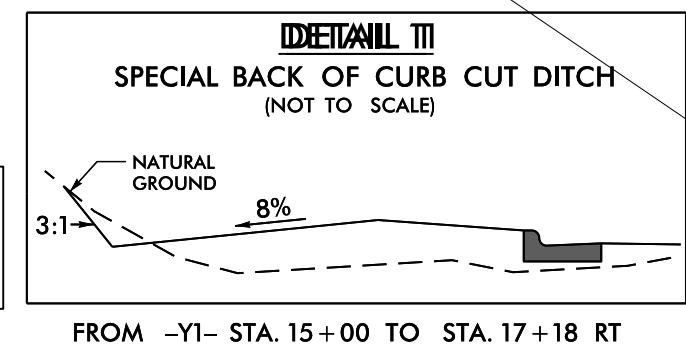
11
CITY OF WILMINGTON
DB 1451 PG 192

157
CITY OF WILMINGTON
DB 5566 PG 205

5
C&I IV MILL CREEK LP
DB 212 PG 472
MB 27 PG 12
MB 41 PG 73
MB 13 PG 33
MB 5 PG 92
MB 6 PG 55
MB 10 PG 5
DB 5287 PG 2857
DB 5287 PG 2869

6
KERR CROSSING UOA
DB 4931 PG 2281
DB 4931 PG 2286
DB 5546 PG 2776
DB 5307 PG 717
DB 5535 PG 636

-YI-
PI Sta 12+17.45 PI Sta 13+88.84
Δ = 9°04'00.0" (RT) Δ = 9°02'00.0" (RT)
D = 7°09'43.1" D = 4°10'55.8"
L = 126.59' L = 216.00'
T = 63.43' T = 108.22'
R = 800.00' R = 1,370.00'
SE = 037 SE = 037



Sta. = 15+00 - 17+18 RT
Q = 5Yr=0.74c
V = 5Yr=0.84sec
d = 3Yr=0.34"
s = 0.004ft/ft
n = 0.035

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 21

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

MATCHLINE -YI- STA.16+50 SEE SHEET 21
MATCHLINE -YI- STA.16+50 SEE SHEET 5

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PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-21/CONST.22
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99



MATCHLINE -Y1- STA.20+00 SEE SHEET 5

MATCHLINE -Y1- STA.25+50 SEE SHEET 22A

23 JAN 2015 13:56
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**CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 22**

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

THIEN NGUYEN

15 15
 Z
 ABRAHAM CRUMMY

B. J.'S CONSTRUCTION CO.

RICHARD A. BROWN, HEIRS

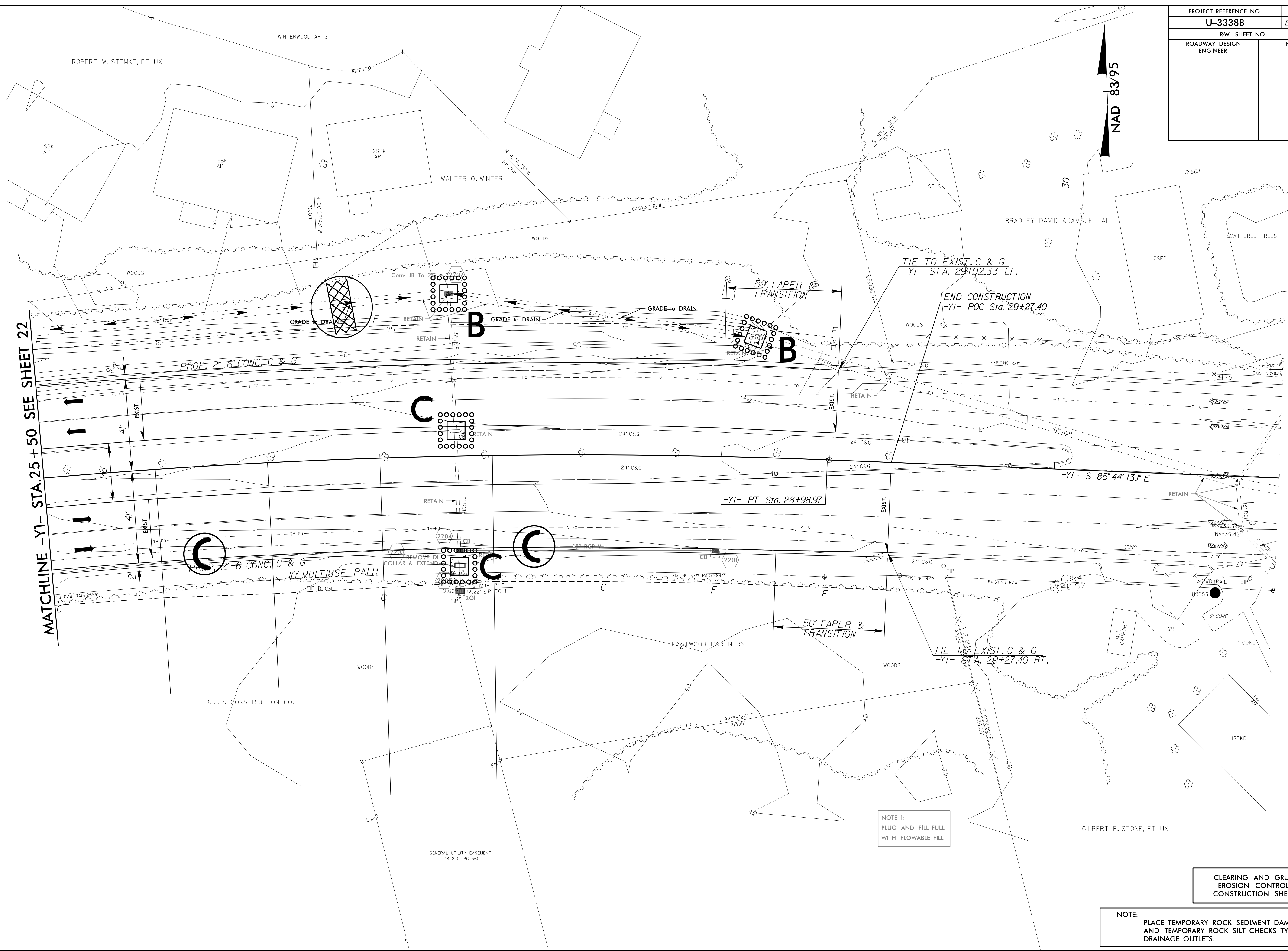
16
 CITY OF WILMINGTON

ROBERT W. STEMKE, ET UX

159

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-22/CONST.22A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/95



MATCHLINE -Y1- STA.25 + 50 SEE SHEET 22

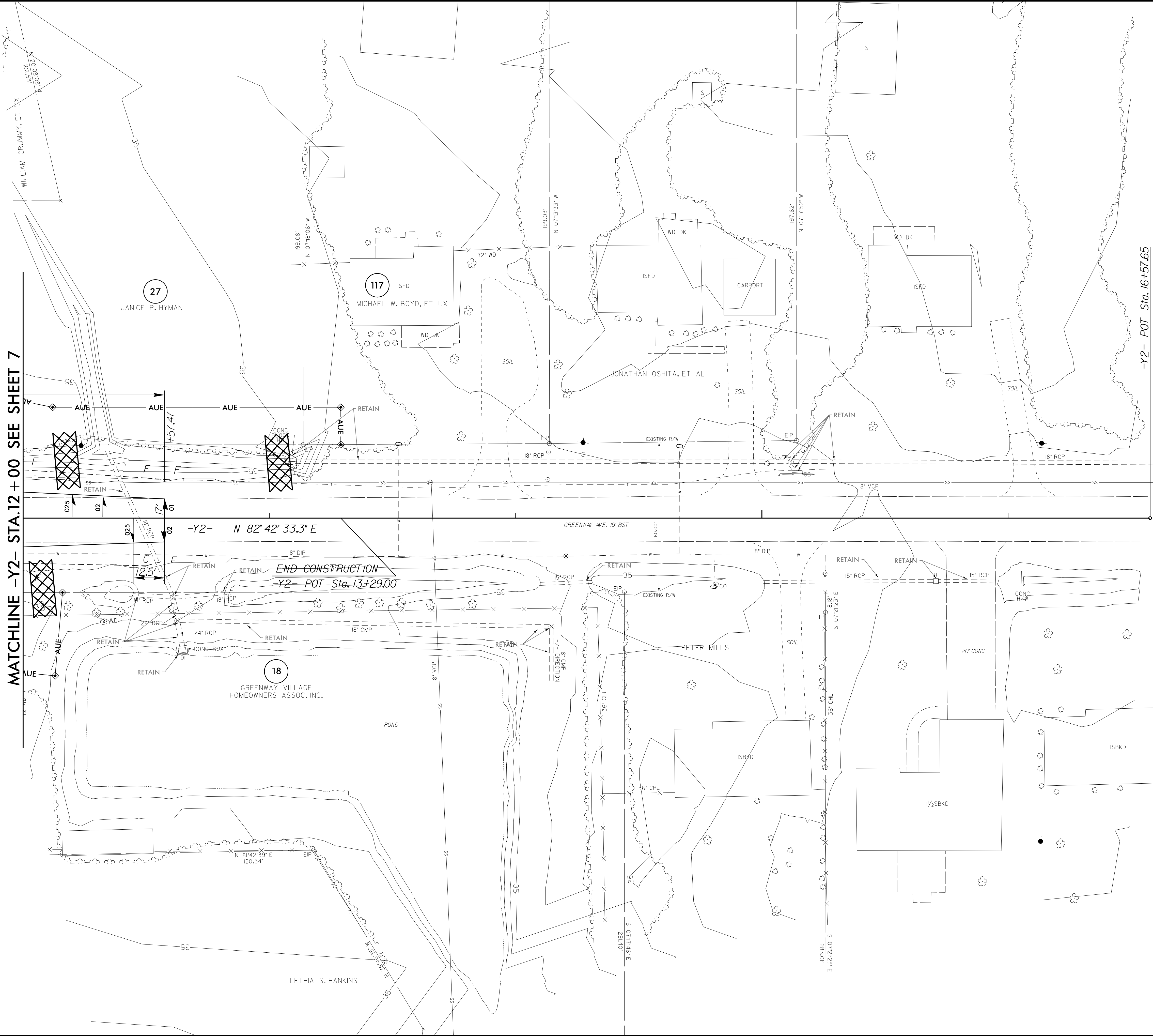
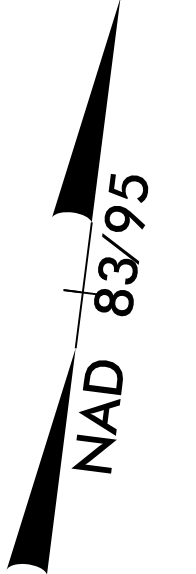
NOTE 1:
PLUG AND FILL FULL WITH FLOWABLE FILL

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 22A

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

8/17/99
9/21/2015 15:39
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U-3338B-EC-22/CONST.22A

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-23/CONST.23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -Y2- STA.12 + 00 SEE SHEET 7

-Y2- POT Sta. 16+57.65

-Y2- N 82° 42' 33.3" E

18
GREENWAY VILLAGE HOMEOWNERS ASSOC. INC.

117
MICHAEL W. BOYD, ET UX

27
JANICE P. HYMAN

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 23

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

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92 JAN-2015 15:42
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A:\m\m\p\U-3338b-EC.upsh.s23.dgn

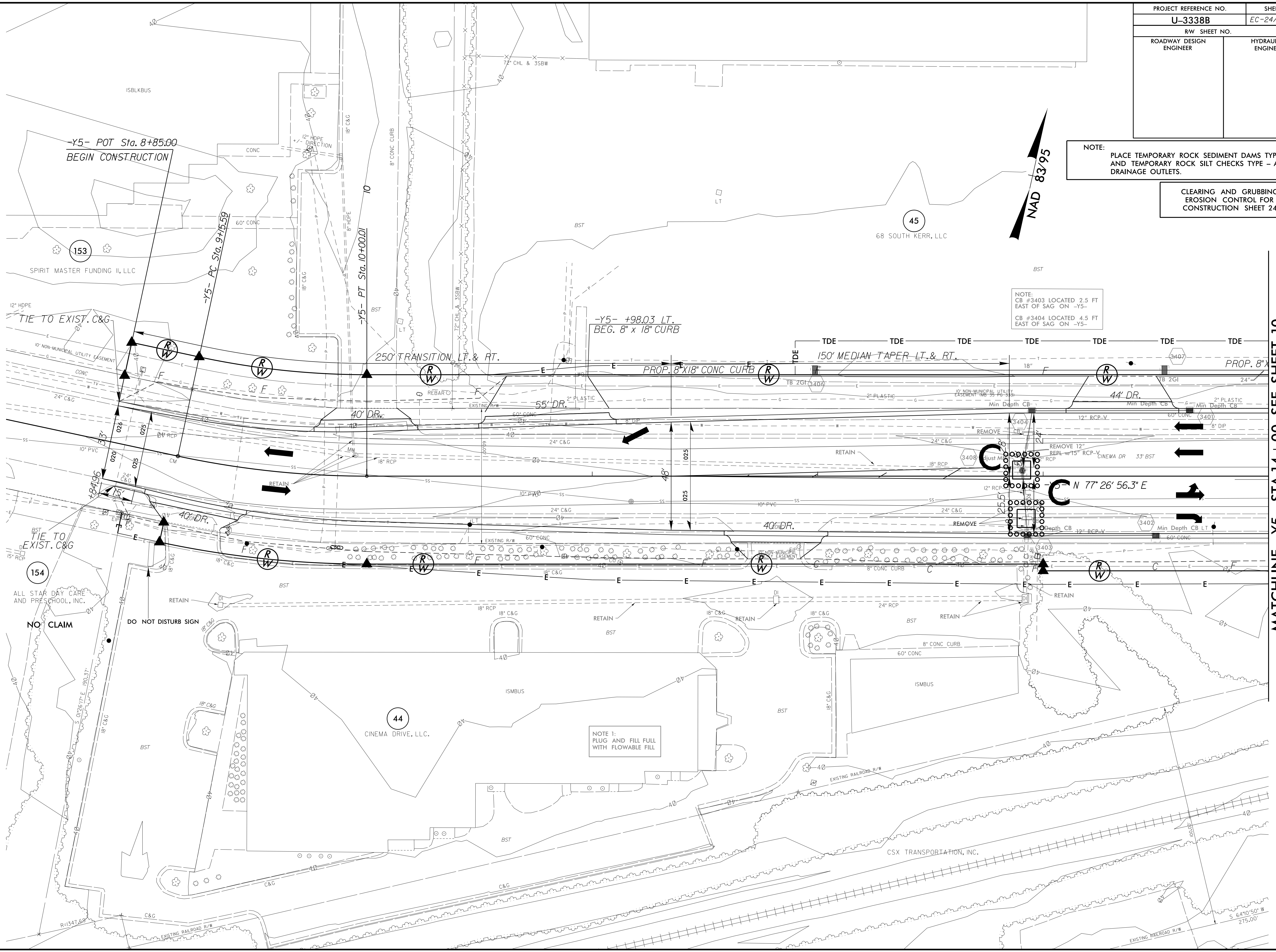
PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-24/CONST.24
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 24

NOTE:
CB #3403 LOCATED 2.5 FT EAST OF SAG ON -Y5-
CB #3404 LOCATED 4.5 FT EAST OF SAG ON -Y5-

MATCHLINE -Y5- STA.14+00 SEE SHEET 10

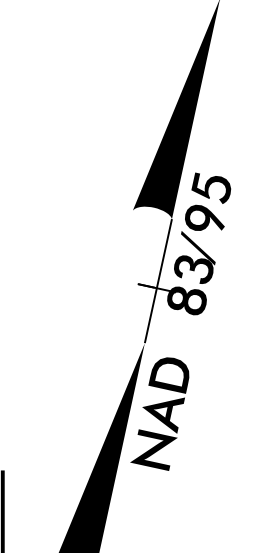
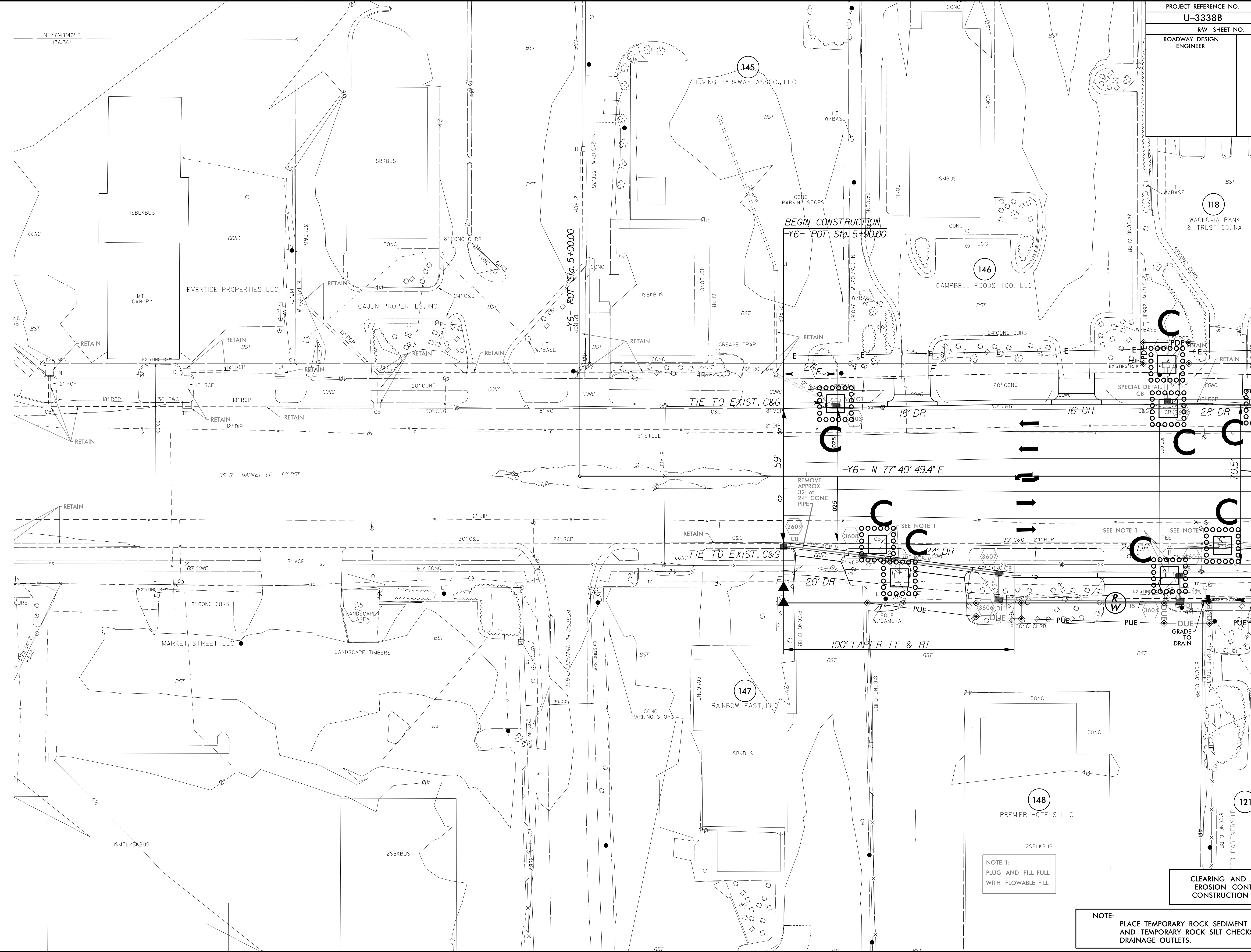


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PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-25/CONST.25
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99



MATCHLINE -Y6- STA.8+00 SEE SHEET 26

92 JAN-2015 15:50
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NOTE 1:
 PLUG AND FILL FULL
 WITH FLOWABLE FILL

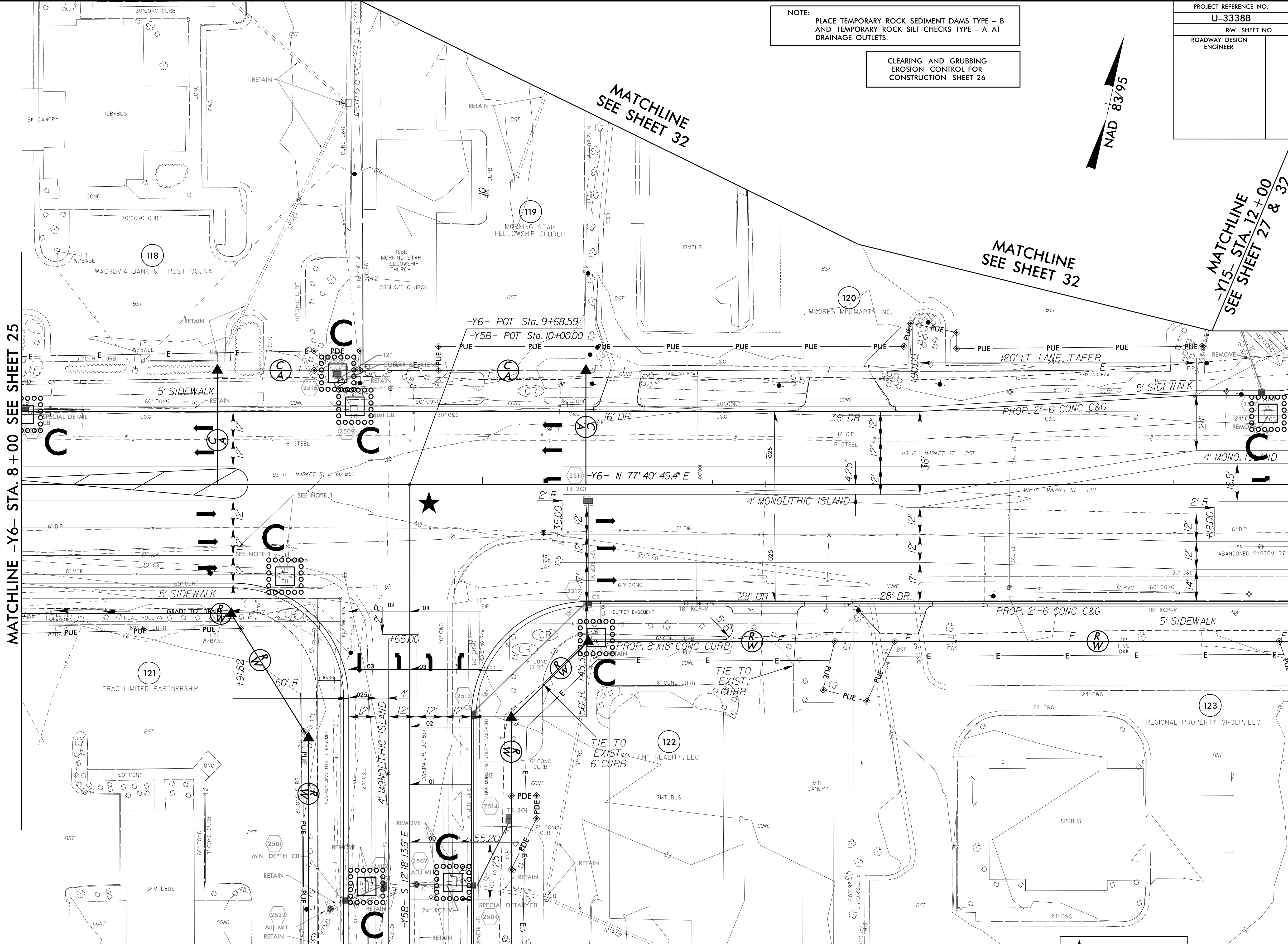
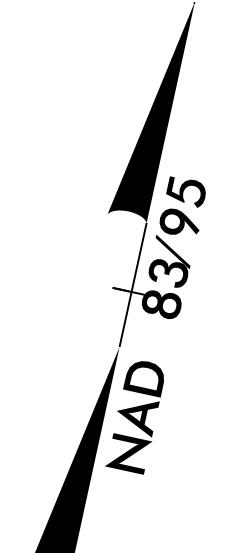
CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 25

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

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-26/CONST.26
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 26



MATCHLINE -Y6- STA. 8 + 00 SEE SHEET 25

MATCHLINE
SEE SHEET 32

MATCHLINE
SEE SHEET 32

MATCHLINE
-Y15- STA. 12 + 00
SEE SHEET 27 & 32

MATCHLINE -Y6- STA.13 + 50 SEE SHEET 27

MATCHLINE -Y5B- STA. 12 + 00 SEE SHEET 31

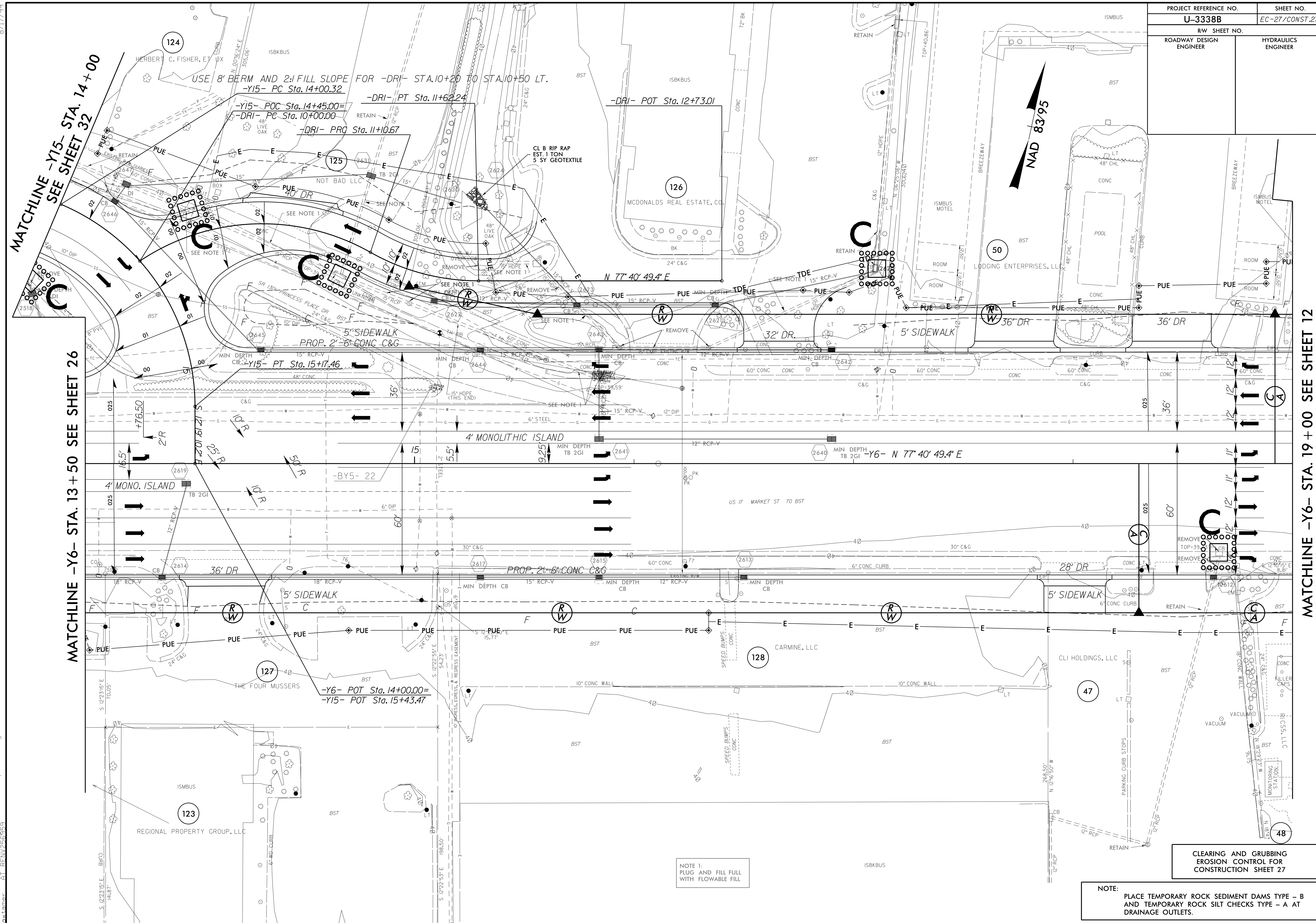


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PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-27/CONST.27
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

9/21/2015 15:57
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MATCHLINE -Y15- STA. 14+00
 SEE SHEET 32

MATCHLINE -Y6- STA. 13+50 SEE SHEET 26

MATCHLINE -Y6- STA. 19+00 SEE SHEET 12

USE 8' BERM AND 2:1 FILL SLOPE FOR -DRI- STA.10+20 TO STA.10+50 LT.
 -Y15- PC Sta. 14+45.00
 -DRI- PC Sta. 10+00.00
 -DRI- PRO Sta. 11+10.67

-DRI- PT Sta. 11+62.24
 -DRI- POT Sta. 12+73.01

-Y15- POT Sta. 14+00.00

5' SIDEWALK
 PROP. 2'-6\"/>

-Y15- PT Sta. 15+17.46

4' MONOLITHIC ISLAND

4' MONO. ISLAND

-BY5- 22

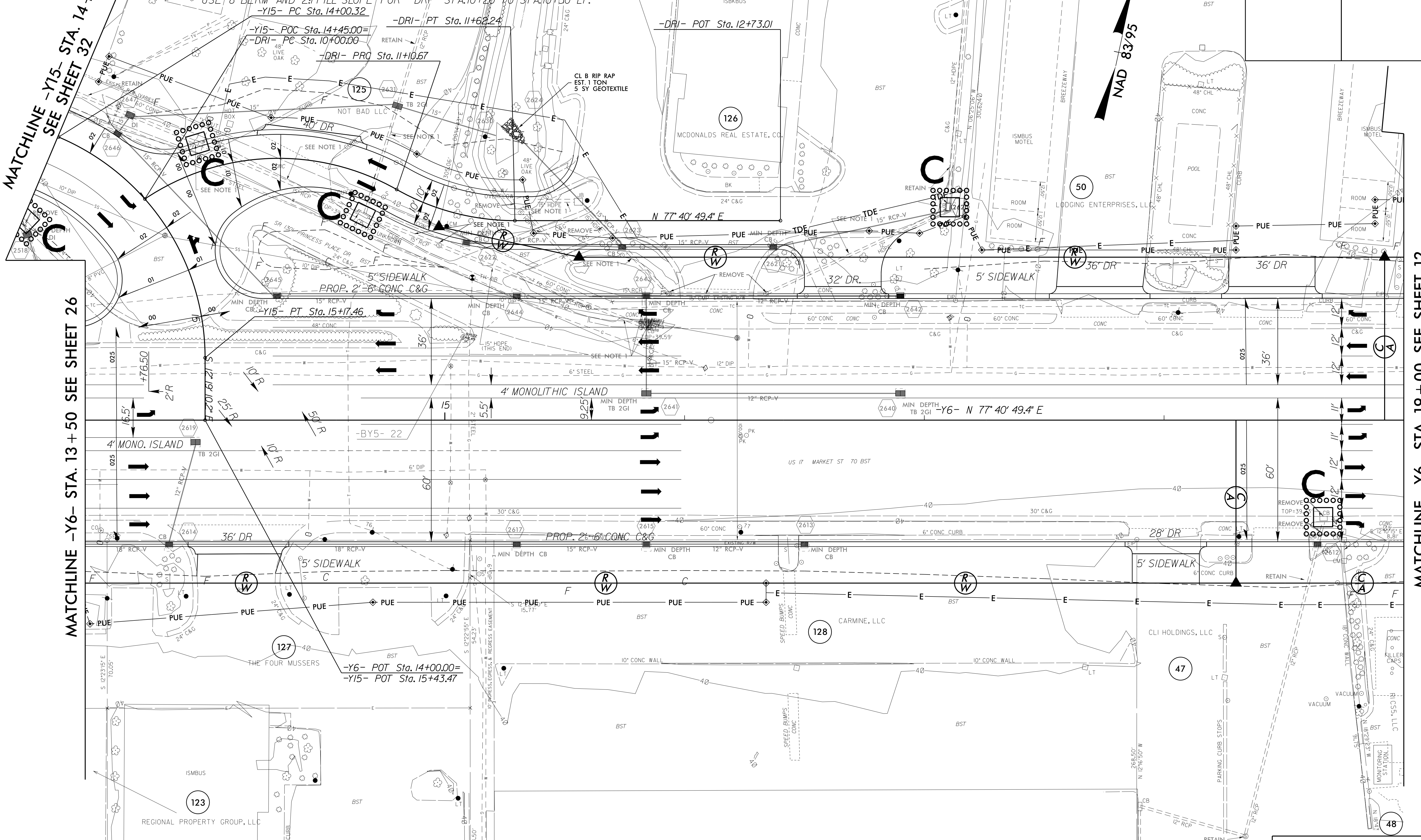
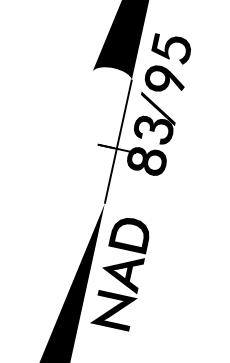
PROP. 2'-6\"/>

5' SIDEWALK

-Y6- POT Sta. 14+00.00
 -Y15- POT Sta. 15+43.47

NOTE 1:
 PLUG AND FILL FULL
 WITH FLOWABLE FILL

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



MATCHLINE -Y15- STA. 14+00
 SEE SHEET 32

MATCHLINE -Y6- STA. 13+50 SEE SHEET 26

MATCHLINE -Y6- STA. 19+00 SEE SHEET 12

USE 8' BERM AND 2:1 FILL SLOPE FOR -DRI- STA.10+20 TO STA.10+50 LT.
 -Y15- PC Sta. 14+45.00
 -DRI- PC Sta. 10+00.00
 -DRI- PRO Sta. 11+10.67

-DRI- PT Sta. 11+62.24
 -DRI- POT Sta. 12+73.01

-Y15- POT Sta. 14+00.00

5' SIDEWALK
 PROP. 2'-6\"/>

-Y15- PT Sta. 15+17.46

4' MONOLITHIC ISLAND

4' MONO. ISLAND

-BY5- 22

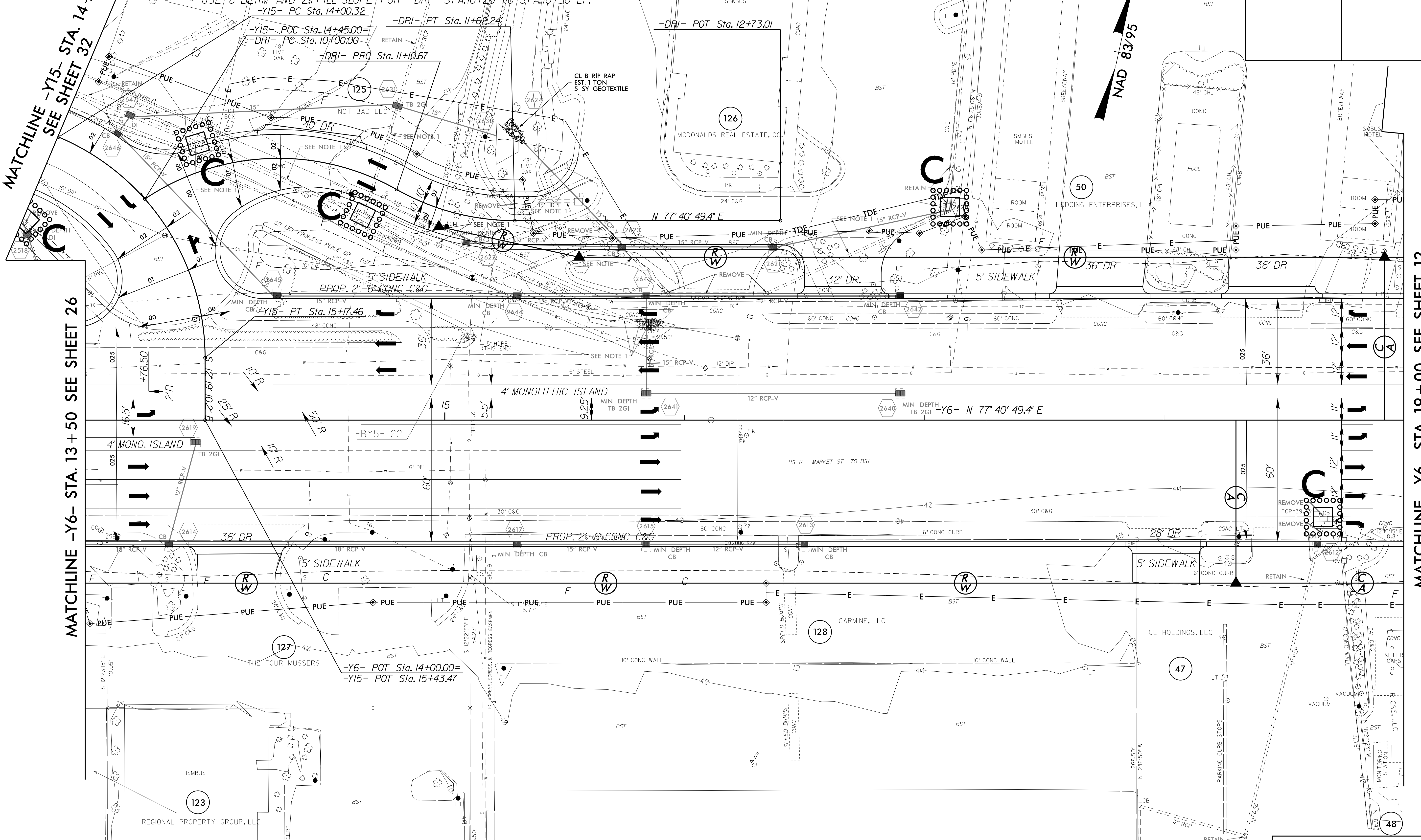
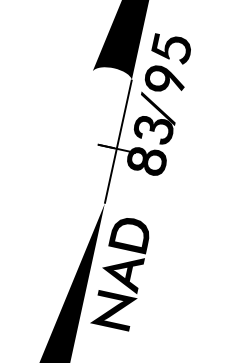
PROP. 2'-6\"/>

5' SIDEWALK

-Y6- POT Sta. 14+00.00
 -Y15- POT Sta. 15+43.47

NOTE 1:
 PLUG AND FILL FULL
 WITH FLOWABLE FILL

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



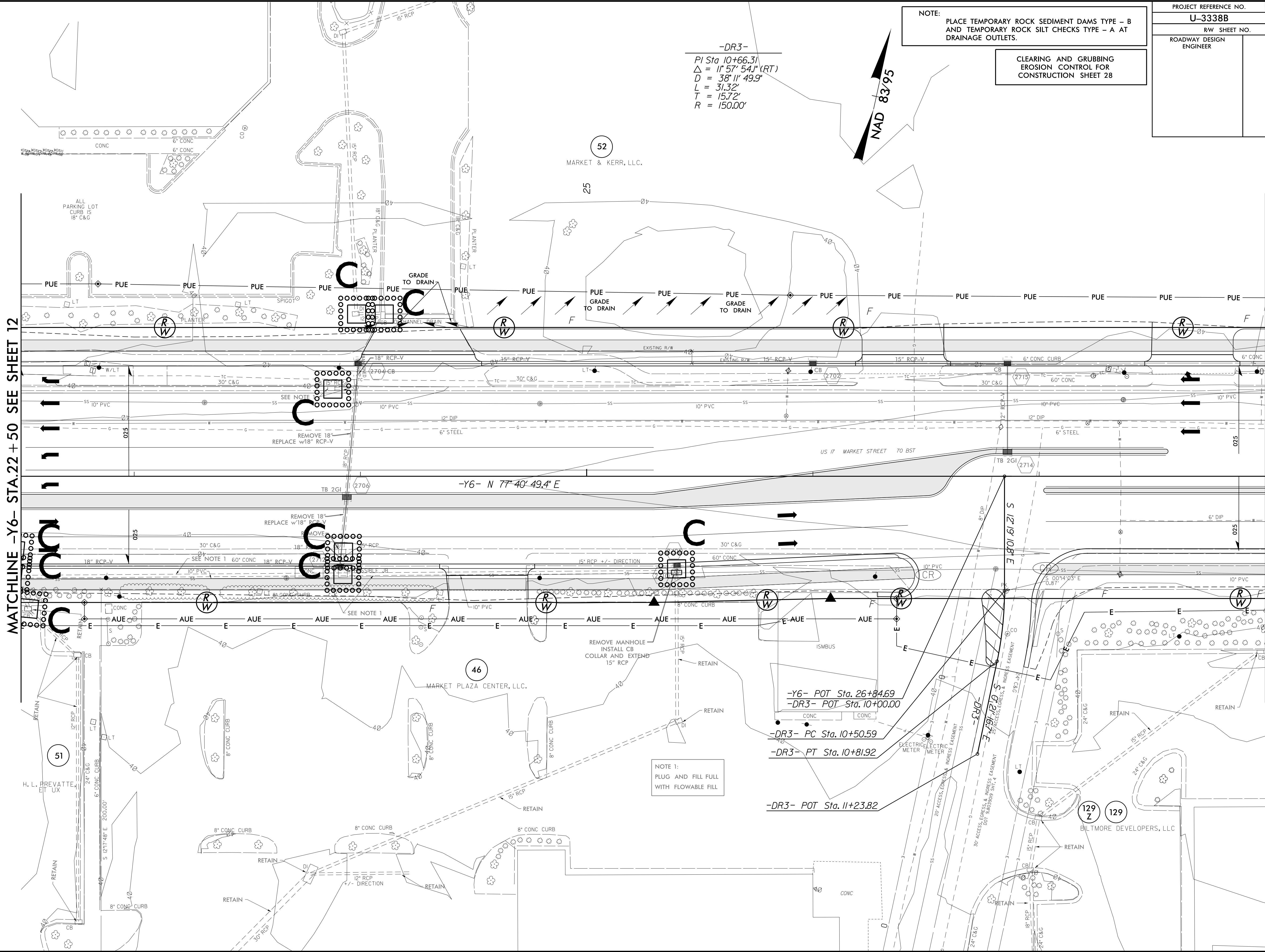
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U-3338B	EC-28/CONST.28
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 28

-DR3-
PI Sta 10+66.31
 $\Delta = 1^\circ 57' 54.1'' (RT)$
D = 38' 11" 49.9"
L = 31.32'
T = 15.72'
R = 150.00'

NAD 83/95



MATCHLINE -Y6- STA.22 + 50 SEE SHEET 12

MATCHLINE -Y6- STA.28 + 00 SEE SHEET 29

NOTE 1:
PLUG AND FILL FULL WITH FLOWABLE FILL

-Y6- POT Sta. 26+84.69
-DR3- POT Sta. 10+00.00

-DR3- PC Sta. 10+50.59
-DR3- PT Sta. 10+81.92

-DR3- POT Sta. 11+23.82

52
MARKET & KERR, LLC.

46
MARKET PLAZA CENTER, LLC.

129 Z
129
BALTIMORE DEVELOPERS, LLC

51
H. L. PREVATTE, EIT UX

ALL PARKING LOT CURB IS 18" C&G

US 17 MARKET STREET 70 BST

-Y6- N 77° 40' 49.4" E

S 12° 19' 10.8" E
S 01° 21' 16.6" E

S 12° 17' 48" E 2000.00'

12" RCP

12" RCP

12" RCP

12" RCP

12" RCP

12" RCP

12" RCP

12" RCP

12" RCP

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12" RCP

12" RCP

12" RCP

12" RCP

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-29/CONST.29
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

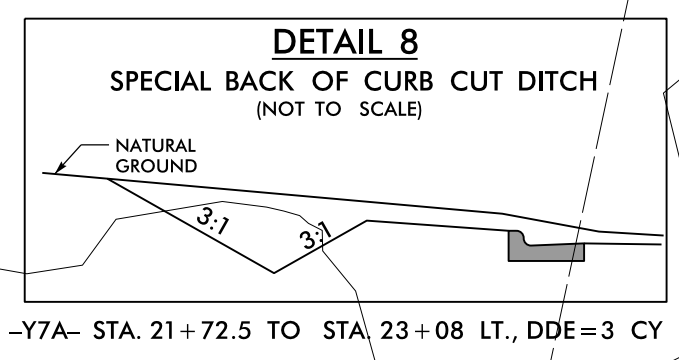
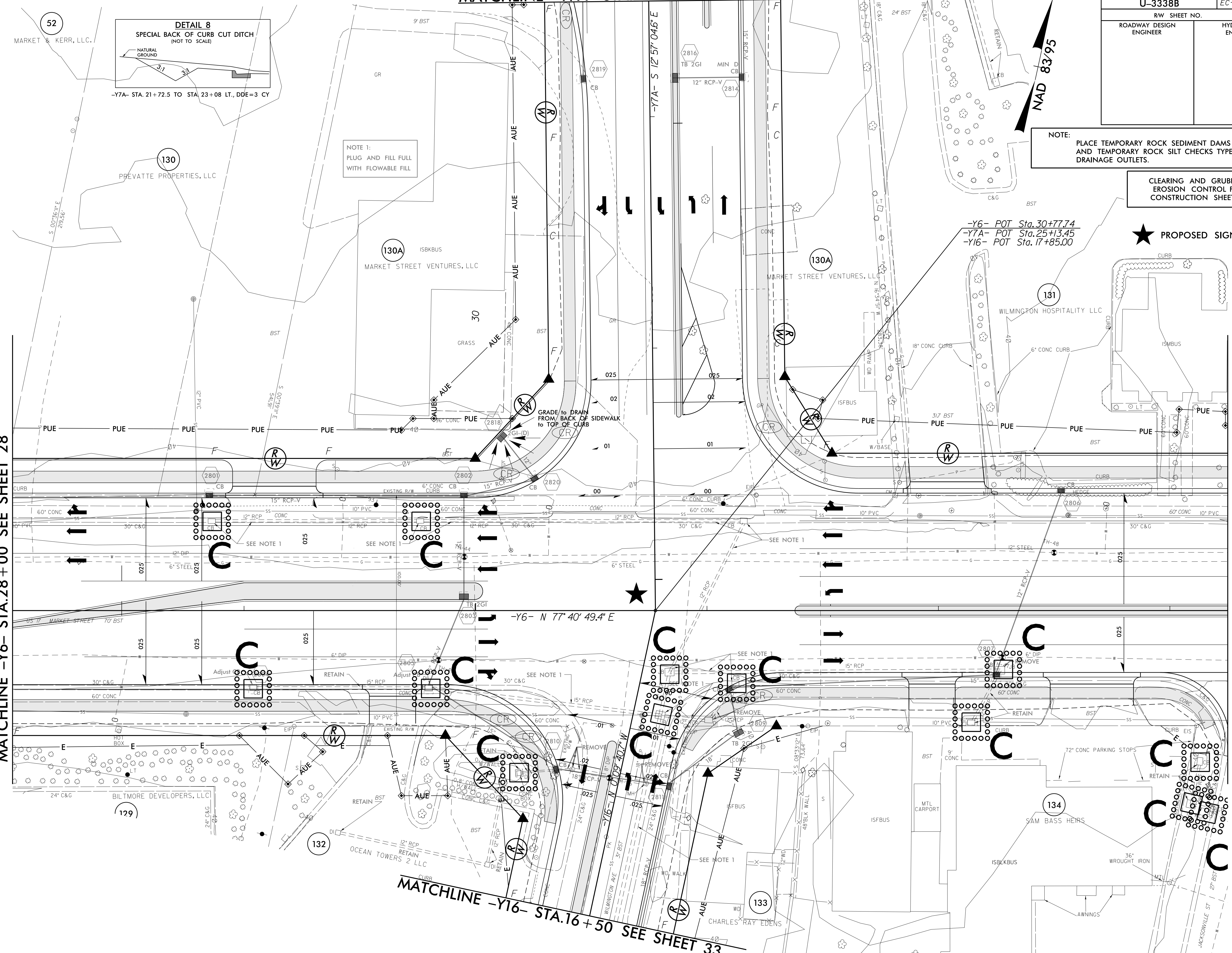
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 29

★ PROPOSED SIGNAL

MATCHLINE -Y6- STA.28+00 SEE SHEET 28

MATCHLINE -Y6- STA.33+25 SEE SHEET 30



NOTE 1: PLUG AND FILL FULL WITH FLOWABLE FILL

-Y6- POT Sta.30+77.74
 -Y7A- POT Sta.25+13.45
 -Y16- POT Sta.17+85.00

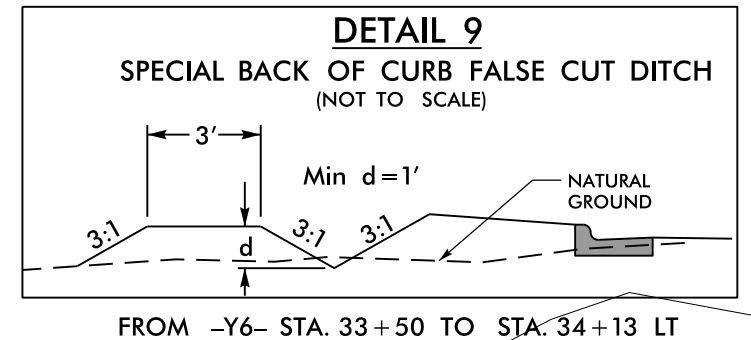
MATCHLINE -Y16- STA.16+50 SEE SHEET 33

8/17/99

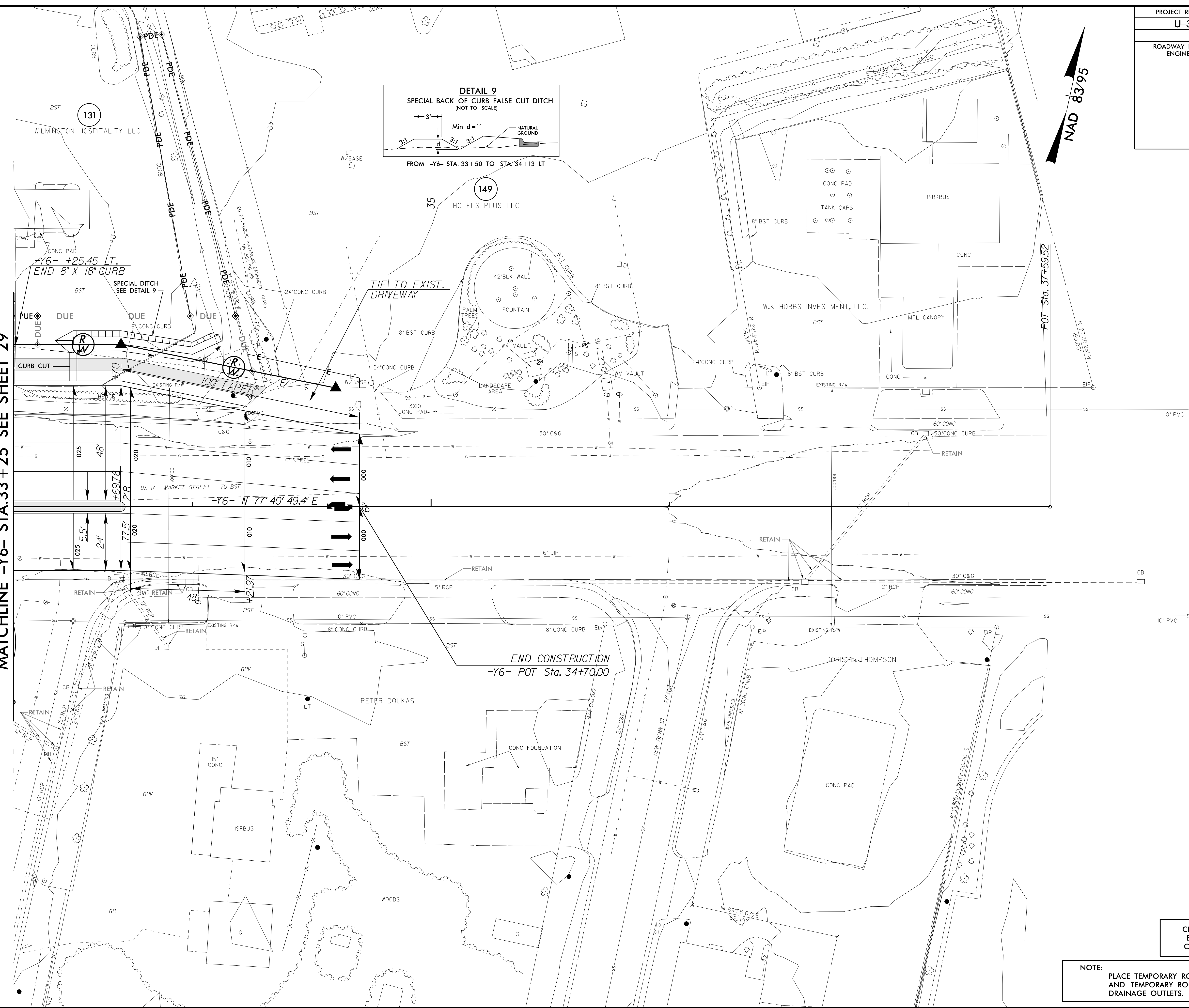
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PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-30/CONST.30
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/95



MATCHLINE -Y6- STA.33+25 SEE SHEET 29



END CONSTRUCTION
-Y6- POT Sta. 34+70.00

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 30

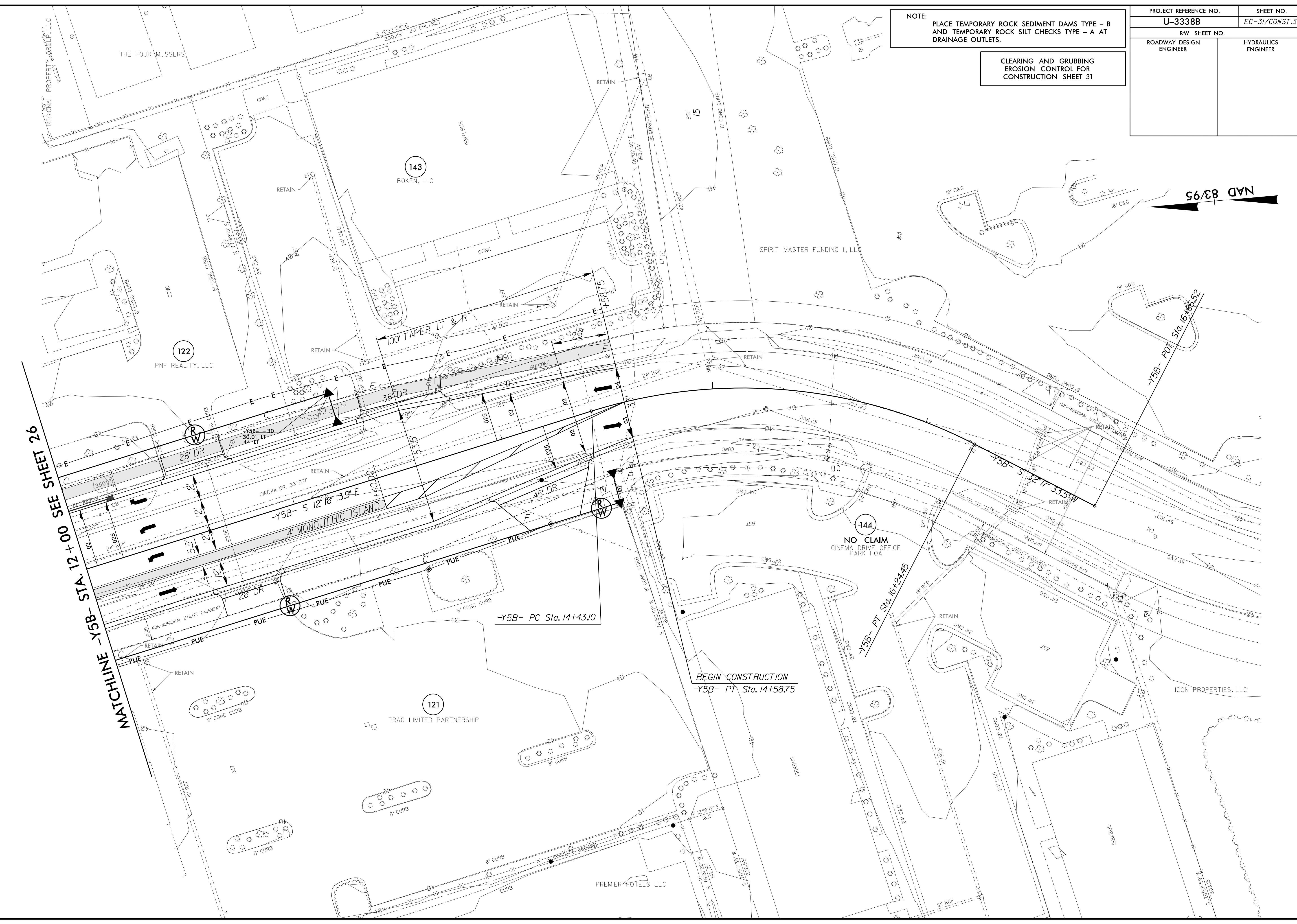
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

8/17/99
92 JAN-2015 16:07
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PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-31/CONST.31
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 31

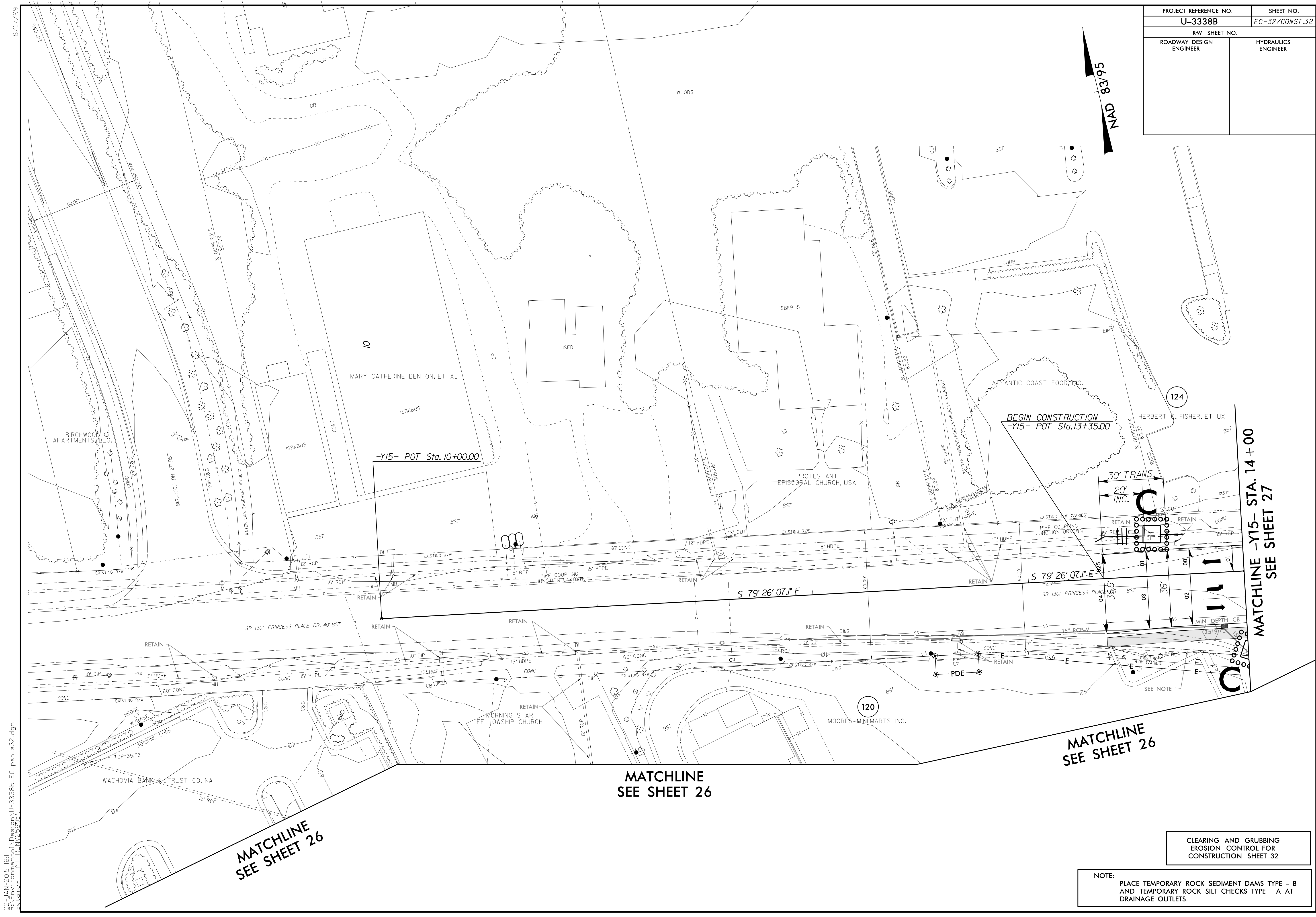
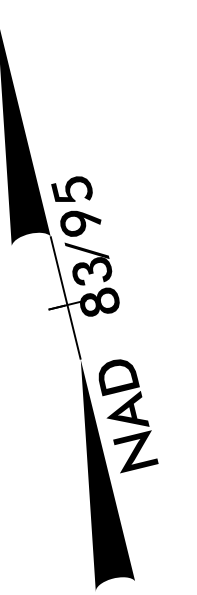


WATCHLINE -Y5B- STA. 12+00 SEE SHEET 26

NAD 83/95

BEGIN CONSTRUCTION
-Y5B- PT Sta. 14+58.75

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-32/CONST.32
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



8/17/99
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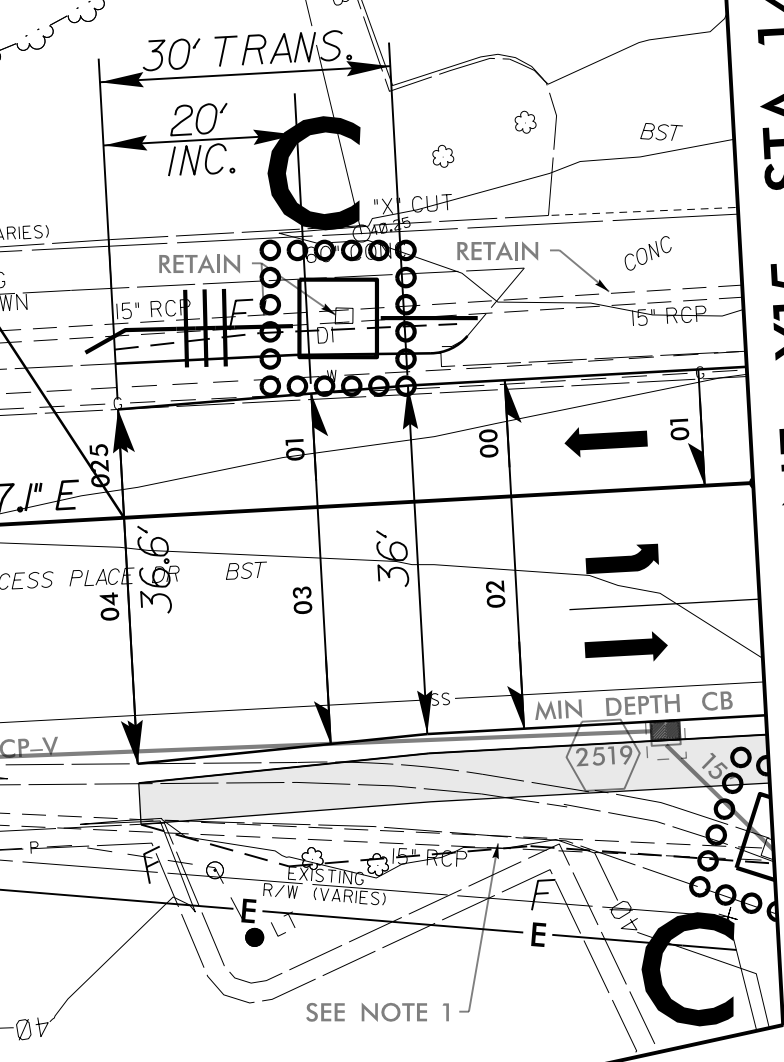
**MATCHLINE
SEE SHEET 26**

**MATCHLINE
SEE SHEET 26**

**MATCHLINE
SEE SHEET 26**

**MATCHLINE -Y15- STA. 14+00
SEE SHEET 27**

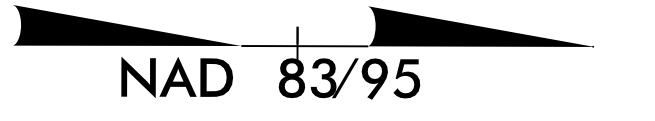
**BEGIN CONSTRUCTION
-Y15- POT Sta.13+35.00**



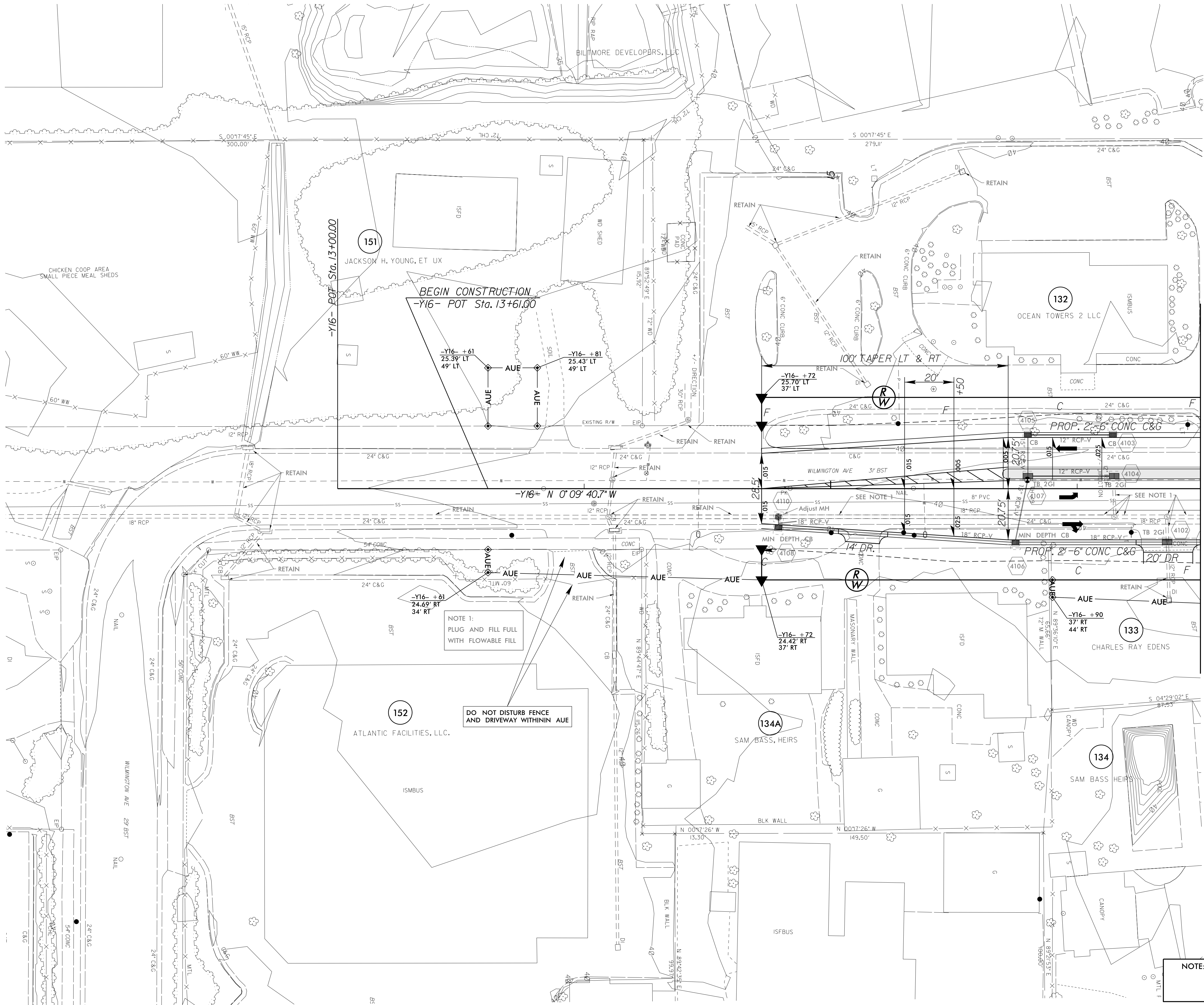
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

**CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 32**

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-33/CONST.33
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -Y16- STA.16+50 SEE SHEET 29



BEGIN CONSTRUCTION
-Y16- POT Sta.13+61.00

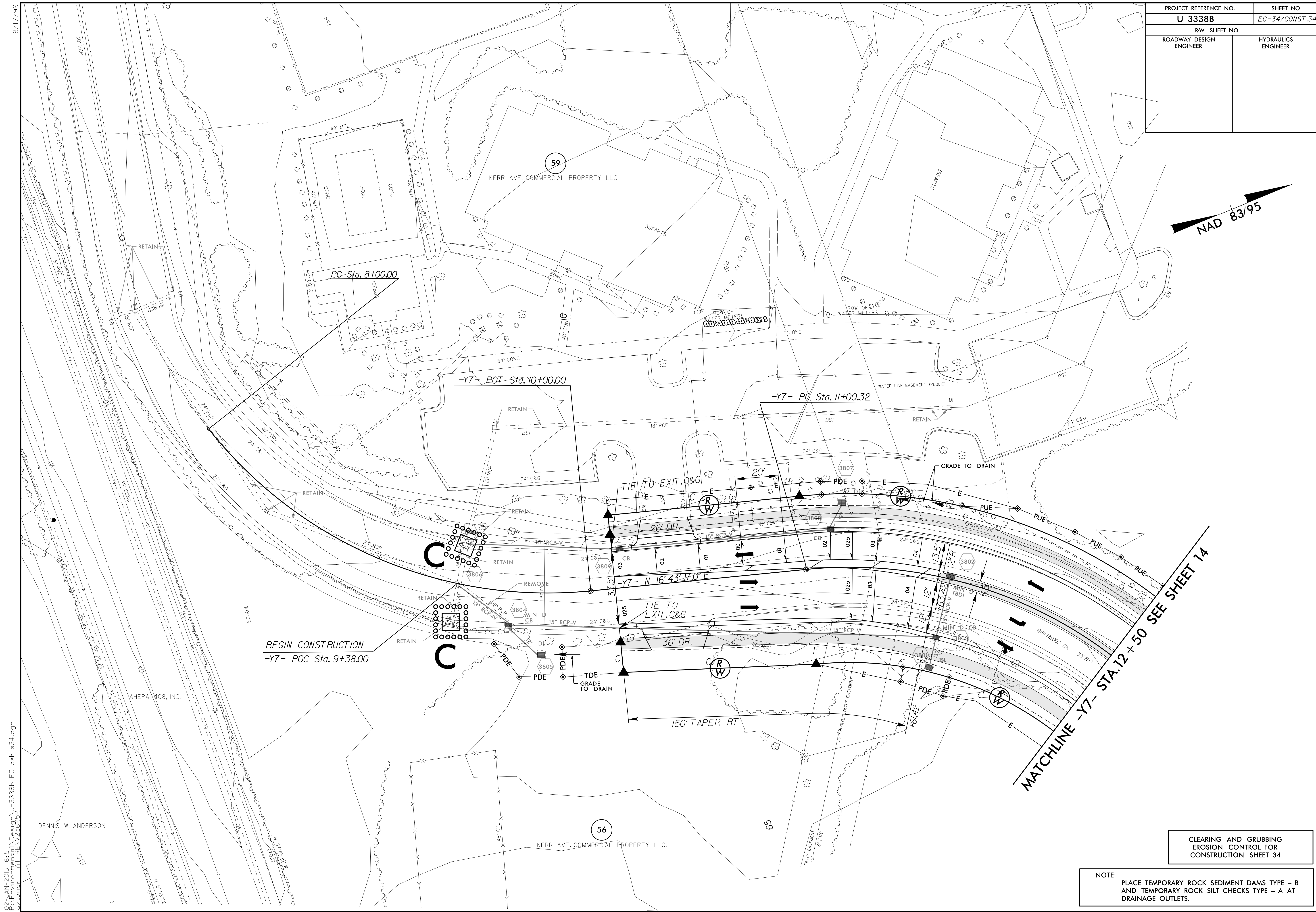
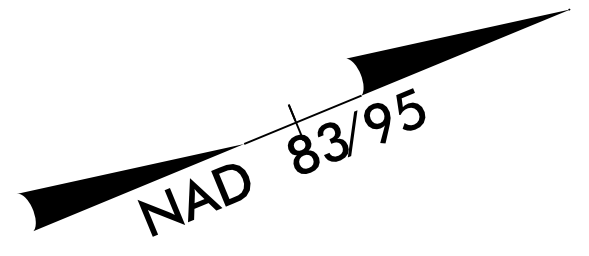
NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

DO NOT DISTURB FENCE
AND DRIVEWAY WITHIN AUE

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

8/17/99
92 JAN-2015 16:13
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PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-34/CONST.34
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

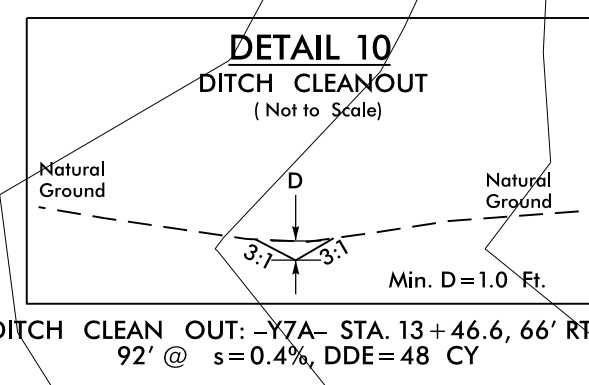
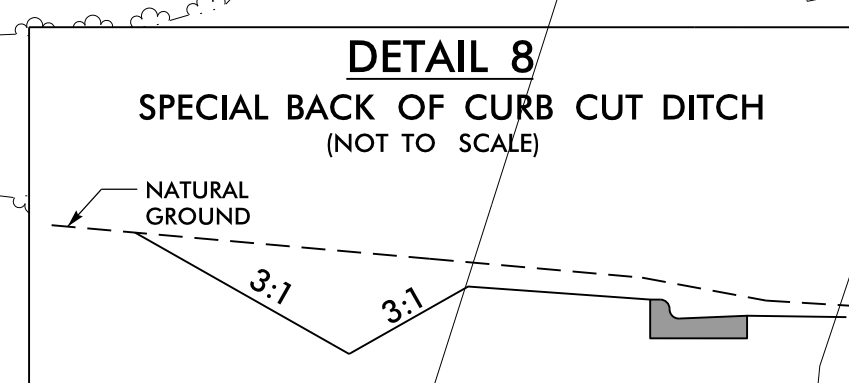
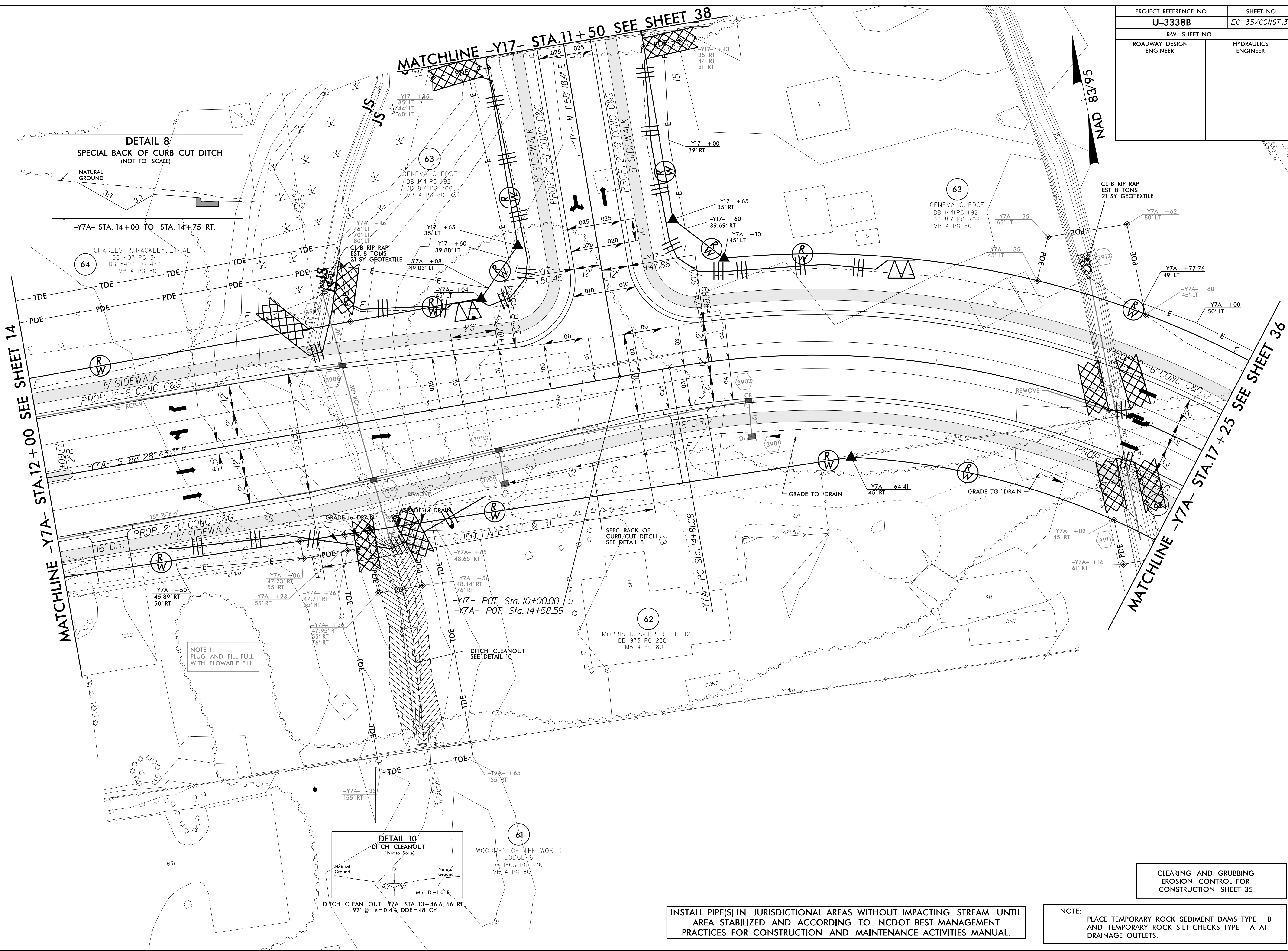


8/17/99
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 C:\Users\jg\Documents\U-3338B-EC.upsh.s34.dgn
 DENNIS W. ANDERSON

CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 34

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

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-35/CONST.35
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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.

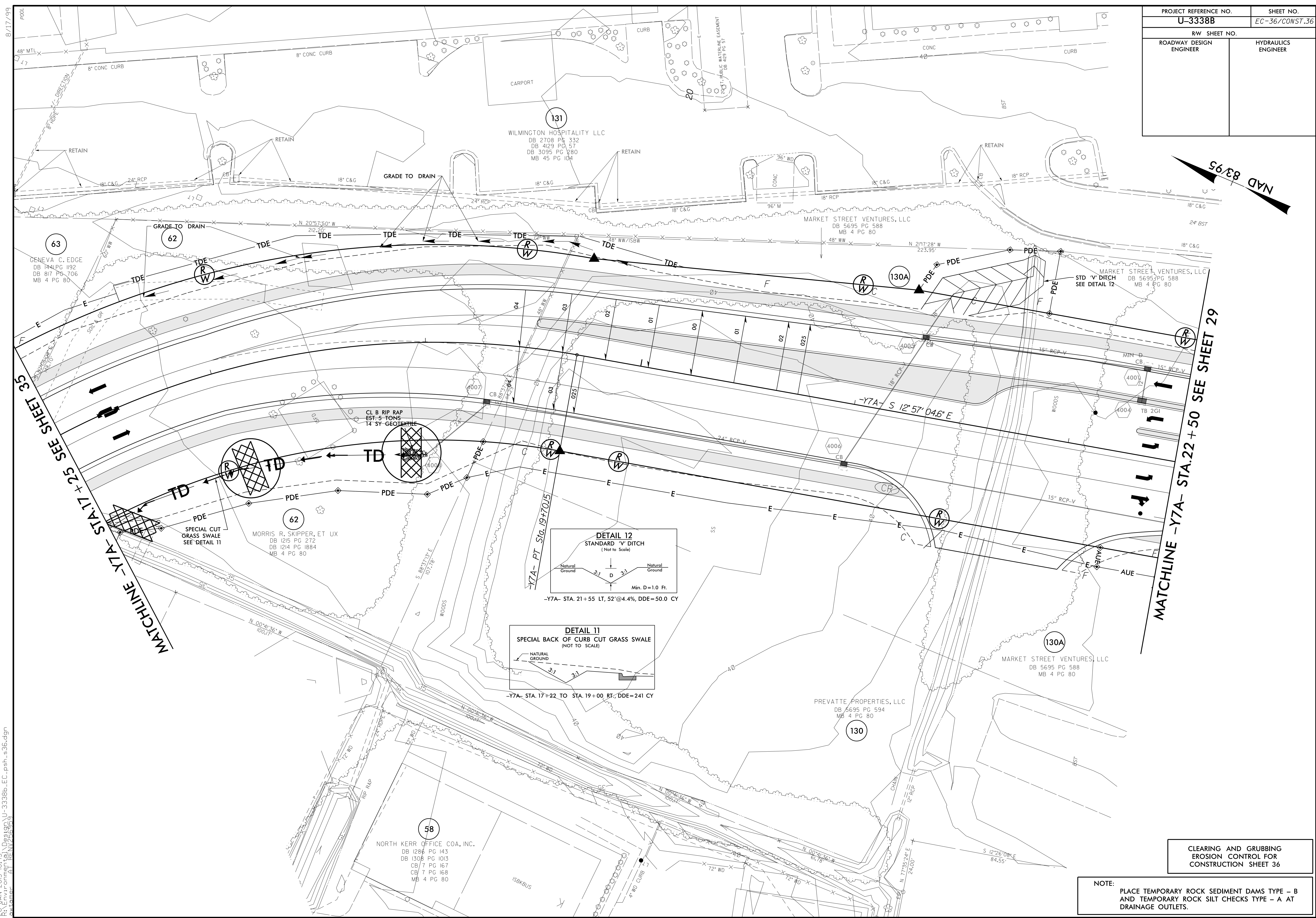
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

8/17/99
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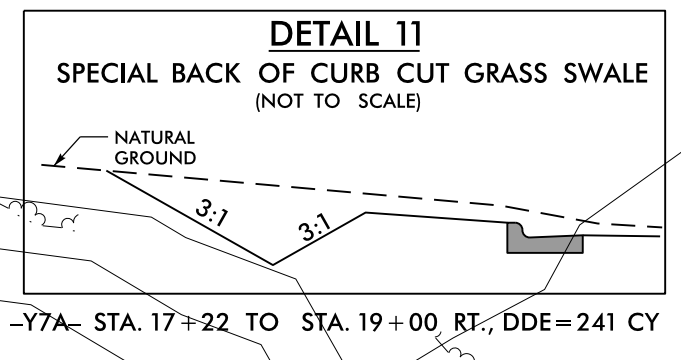
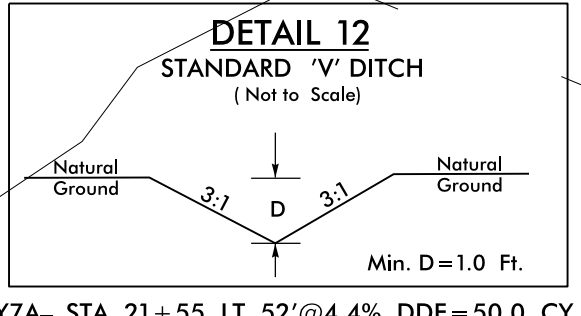
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

26 JAN-2015 10:43
 AT LEAST 10% OF THE SHEET SHALL BE
 DRAWN BY THE DESIGNER



NAD 83/95



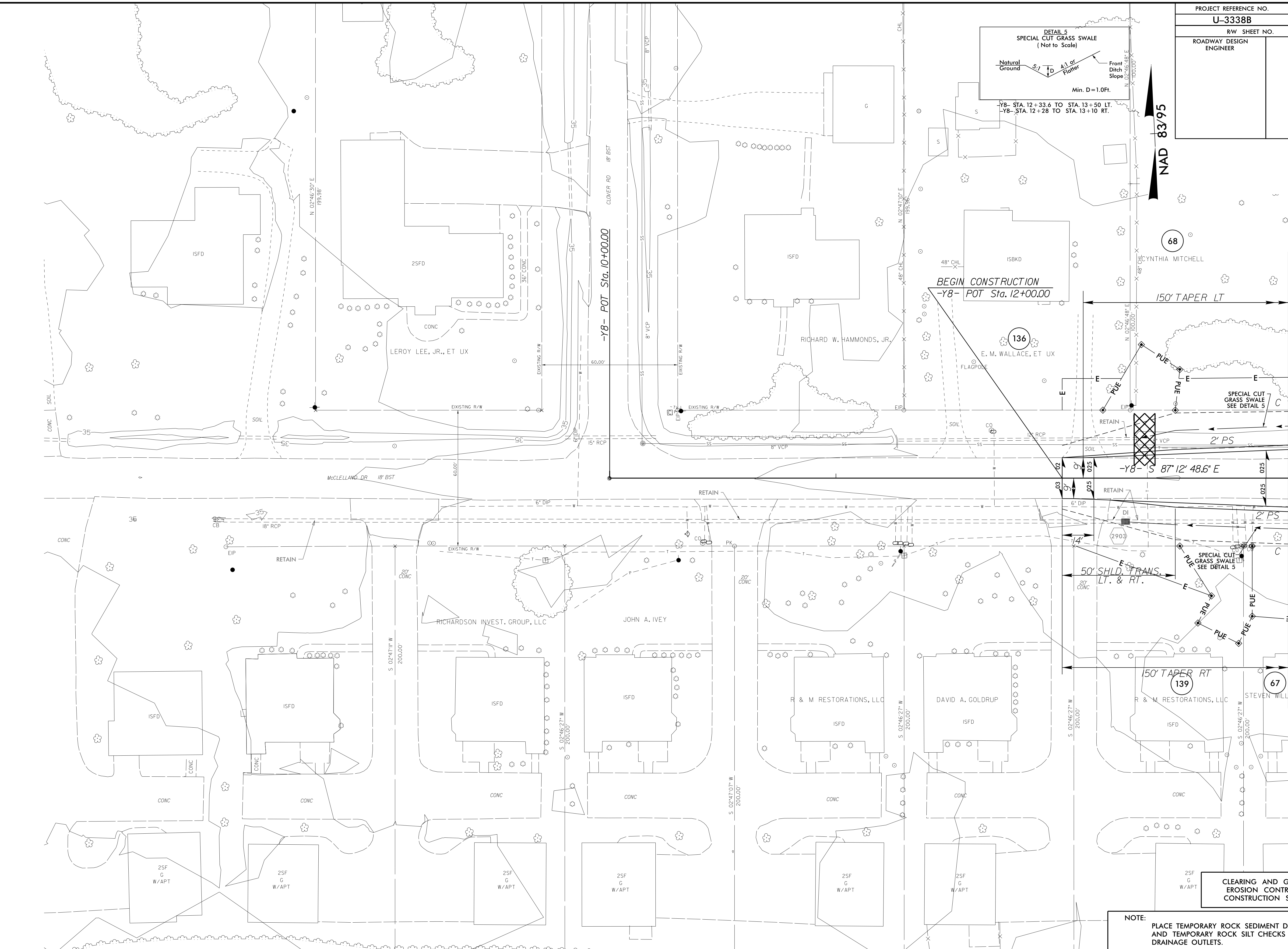
CLEARING AND GRUBBING
 EROSION CONTROL FOR
 CONSTRUCTION SHEET 36

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

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-37/CONST.37
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

92 JAN-2015 16:23
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 LEVINSON



MATCHLINE -Y8- STA.13+00 SEE SHEET 15

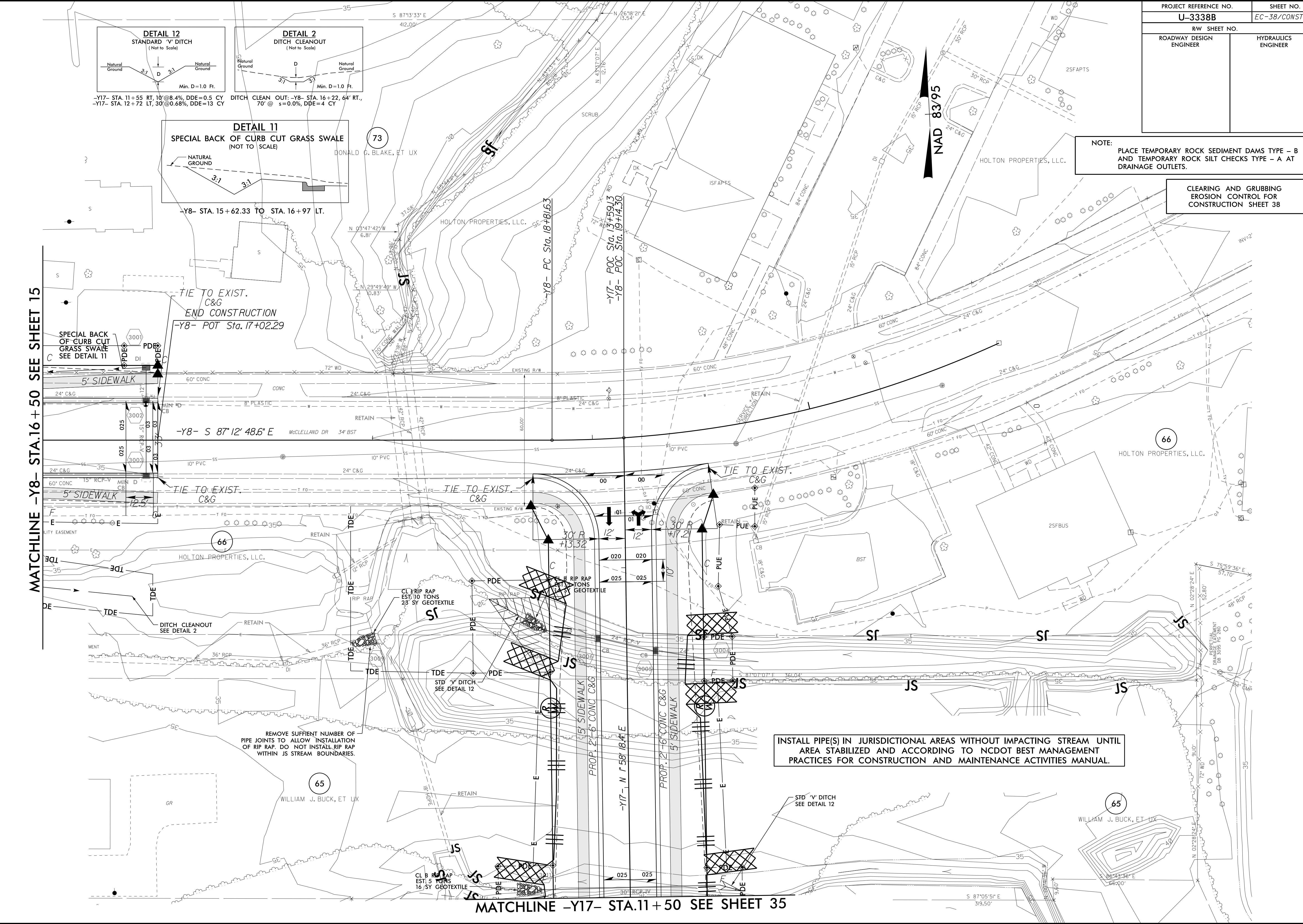
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 37

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

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-38/CONST.38
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

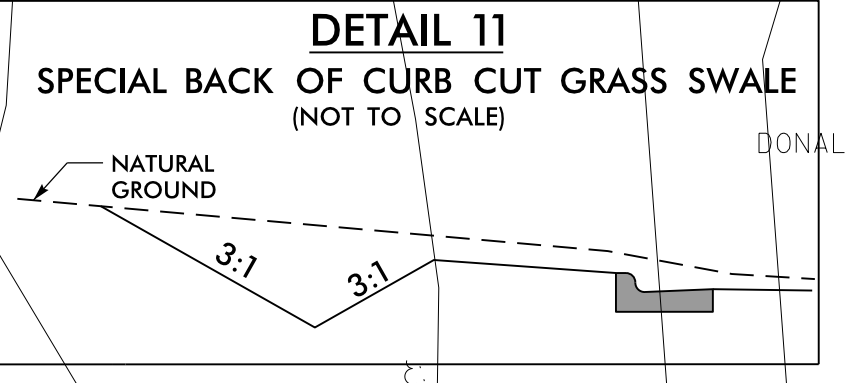
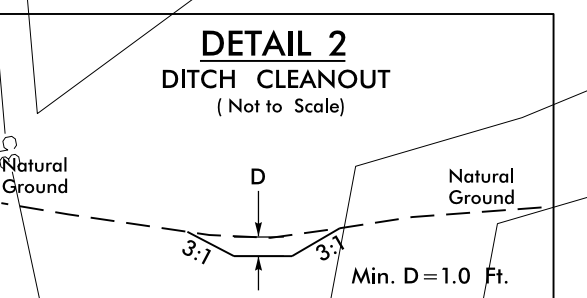
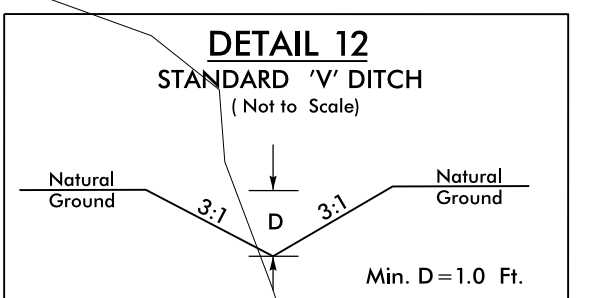
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 38



MATCHLINE -Y8- STA.16+50 SEE SHEET 15

MATCHLINE -Y17- STA.11+50 SEE SHEET 35



-Y17- STA. 11+55 RT, 10' @ 8.4%, DDE=0.5 CY
 -Y17- STA. 12+72 LT, 30' @ 0.68%, DDE=13 CY

-Y8- STA. 15+62.33 TO STA. 16+97 LT.

SPECIAL BACK OF CURB CUT GRASS SWALE SEE DETAIL 11

TIE TO EXIST. C&G
 END CONSTRUCTION
 -Y8- POT Sta. 17+02.29

-Y8- S 87°12' 48.6° E

CL B RIP RAP EST. 5 TONS 16 SY GEOTEXTILE

CL Y RIP RAP EST. 10 TONS 23 SY GEOTEXTILE

REMOVE SUFFICIENT NUMBER OF PIPE JOINTS TO ALLOW INSTALLATION OF RIP RAP. DO NOT INSTALL RIP RAP WITHIN JS STREAM BOUNDARIES.

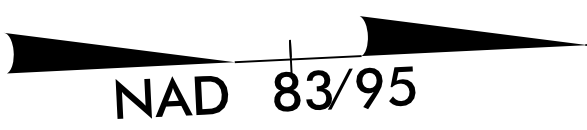
INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

8/17/99
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8/17/99

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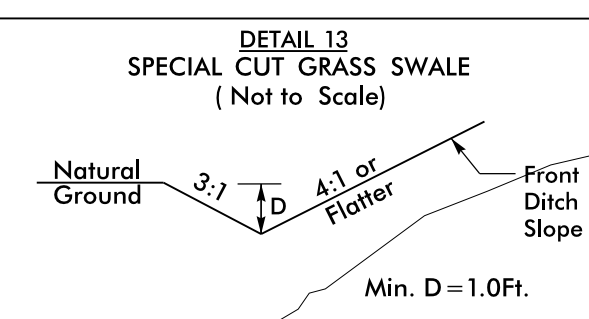
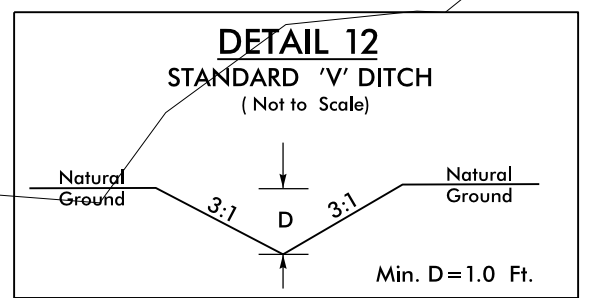
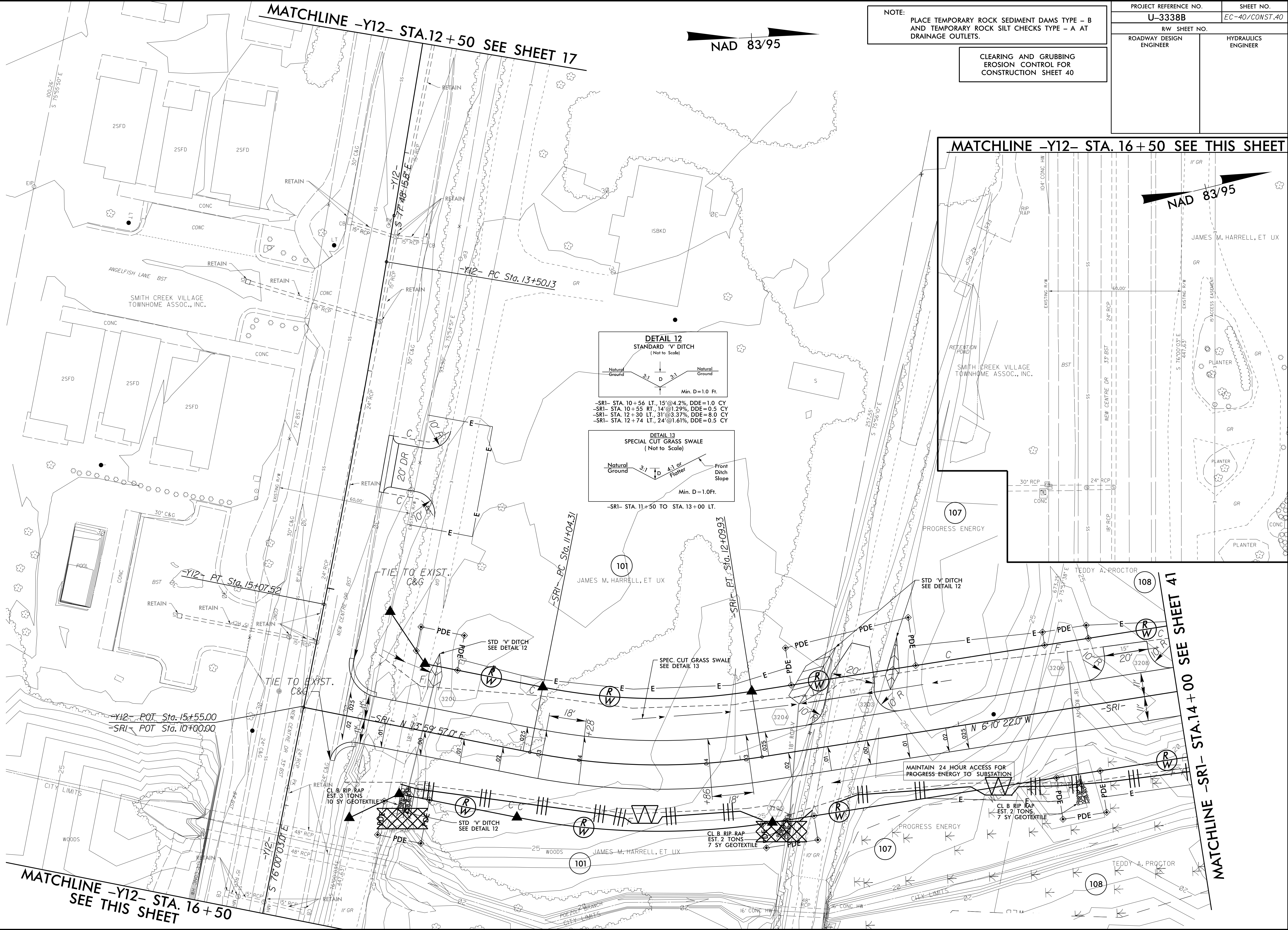
MATCHLINE -Y12- STA.12+50 SEE SHEET 17



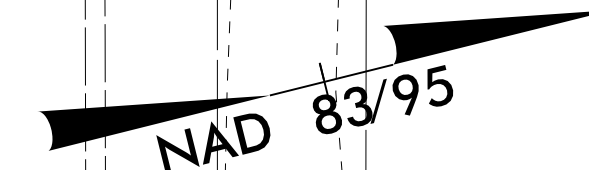
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 40

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-40/CONST.40
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -Y12- STA. 16+50 SEE THIS SHEET



MATCHLINE -Y12- STA. 16+50
SEE THIS SHEET

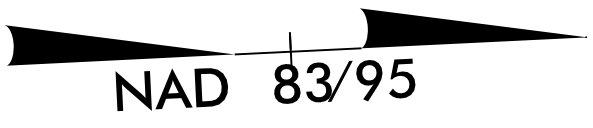
MATCHLINE -SRI- STA.14+00 SEE SHEET 41

MAINTAIN 24 HOUR ACCESS FOR PROGRESS ENERGY TO SUBSTATION

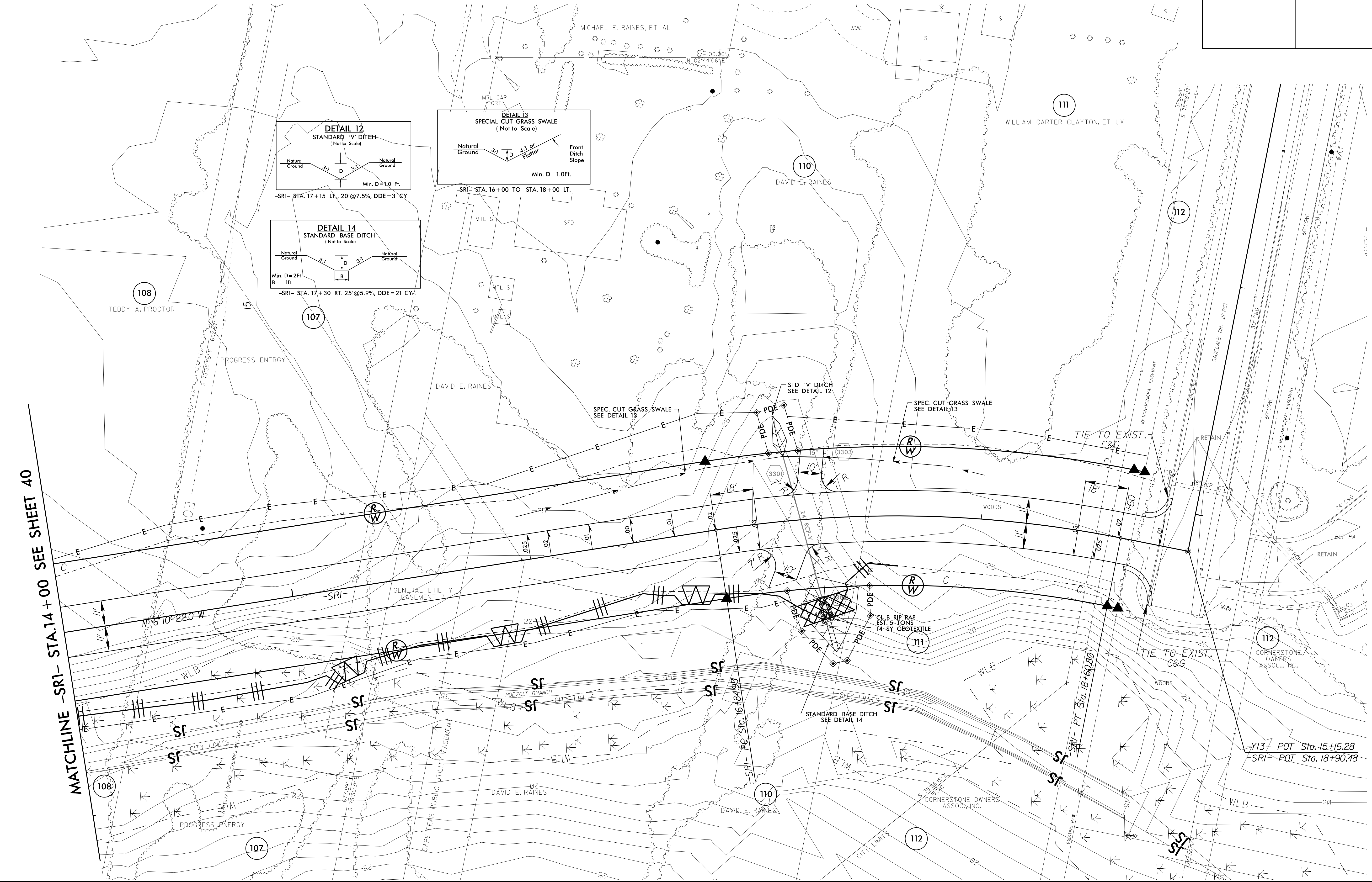
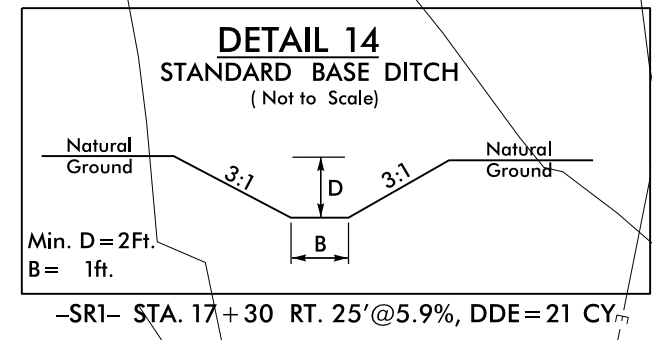
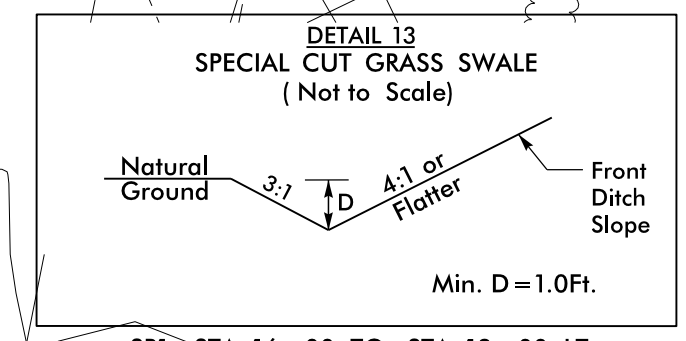
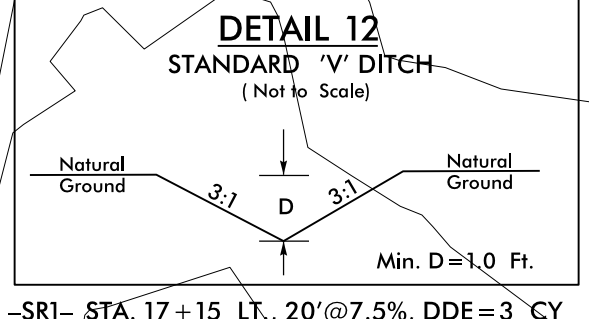
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 41

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

PROJECT REFERENCE NO. U-3338B	SHEET NO. EC-41/CONST.41
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

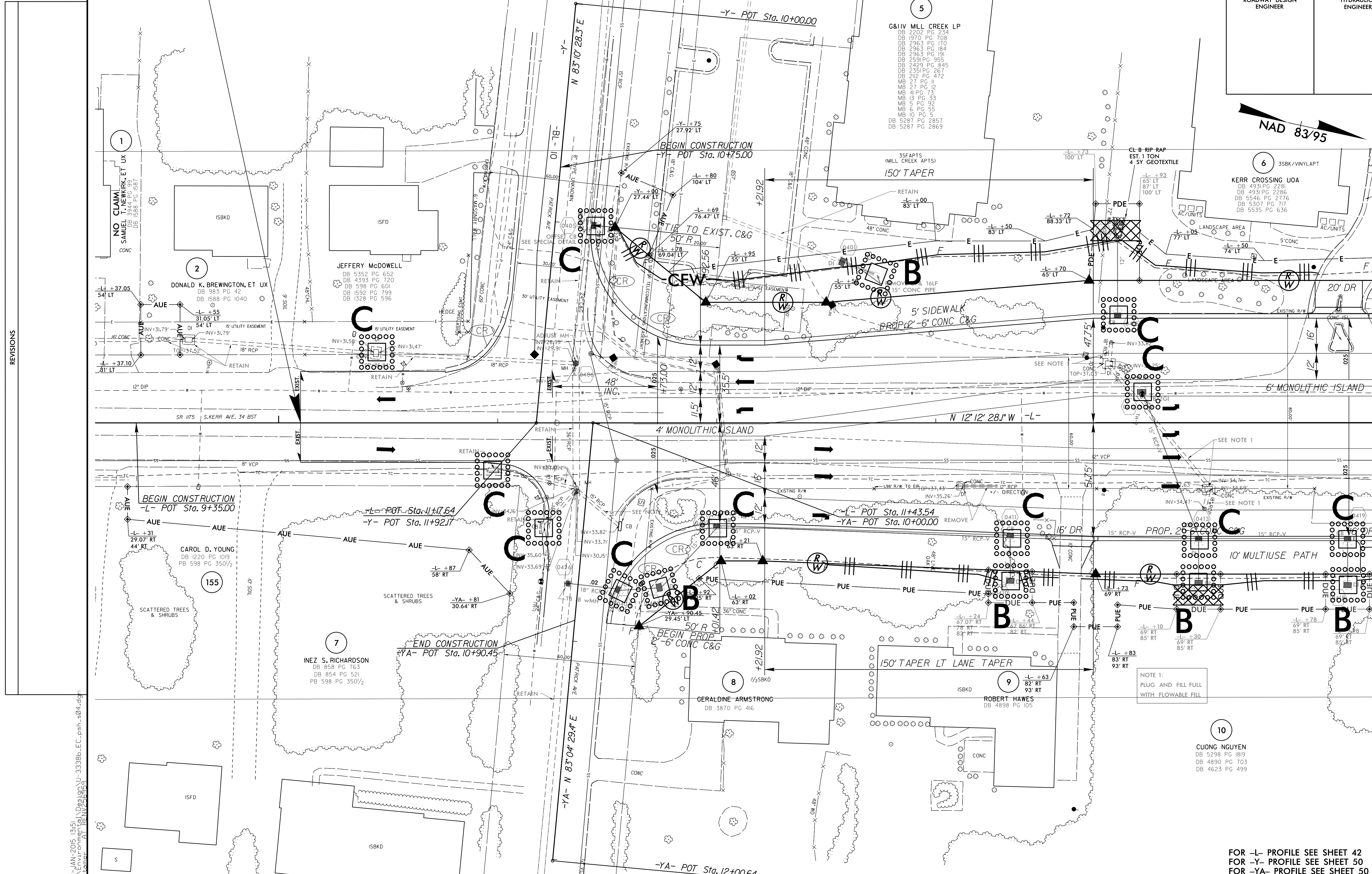
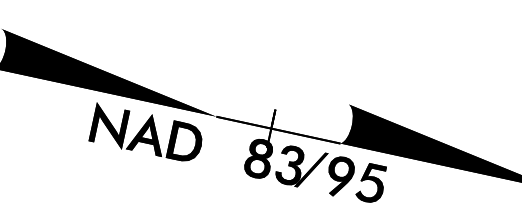


MATCHLINE -SRI- STA. 14+00 SEE SHEET 40



PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-42/CONST.4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

STA. 10+10.00 -L- BEGIN TIP PROJECT U-3338B



- 5
G&IV MILL CREEK LP
DB 2202 PG 234
DB 1970 PG 708
DB 2963 PG 170
DB 2963 PG 184
DB 2963 PG 191
DB 2591 PG 955
DB 2429 PG 845
DB 2351 PG 267
DB 2112 PG 472
MB 27 PG 11
MB 27 PG 12
MB 4 PG 73
MB 13 PG 33
MB 5 PG 92
MB 6 PG 55
MB 10 PG 5
DB 5287 PG 2857
DB 5287 PG 2869

- 6
35BK/VINYLAFT
KERR CROSSING UOA
DB 4931 PG 2281
DB 4931 PG 2286
DB 5546 PG 2776
DB 5307 PG 717
DB 5535 PG 636

- 2
DONALD K. BREWINGTON, ET UX
DB 983 PG 42
DB 1588 PG 1040

- JEFFERY McDOWELL
DB 5352 PG 652
DB 4393 PG 720
DB 5398 PG 601
DB 1592 PG 799
DB 1328 PG 596

- 155
CAROL D. YOUNG
DB 1220 PG 1019
PB 598 PG 350 1/2

- 7
INEZ S. RICHARDSON
DB 858 PG 1631
DB 854 PG 521
PB 598 PG 350 1/2

- 8
GERALDINE ARMSTRONG
DB 3870 PG 416

- 9
ROBERT HAWES
DB 4898 PG 105

- 10
CUONG NGUYEN
DB 5298 PG 1819
DB 4890 PG 703
DB 4623 PG 499

NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

FOR -L- PROFILE SEE SHEET 42
FOR -Y- PROFILE SEE SHEET 50
FOR -YA- PROFILE SEE SHEET 50

REVISIONS

8/17/09

9/21 JAN-2015 13:51
R:\enviroment\U-3338B-EC.upsh.s04.dgn
Author: JLN
Printer: JLN

MATCHLINE -L- STA.15+00 SEE SHEET 5

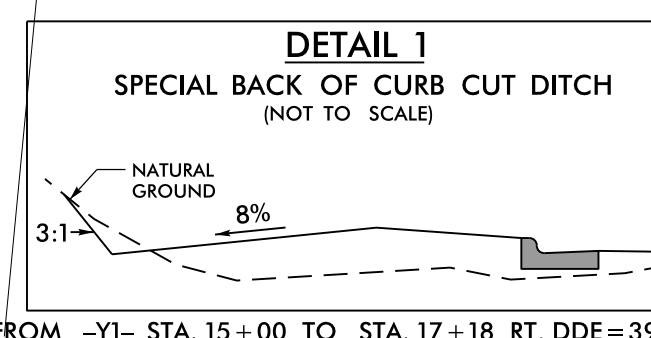
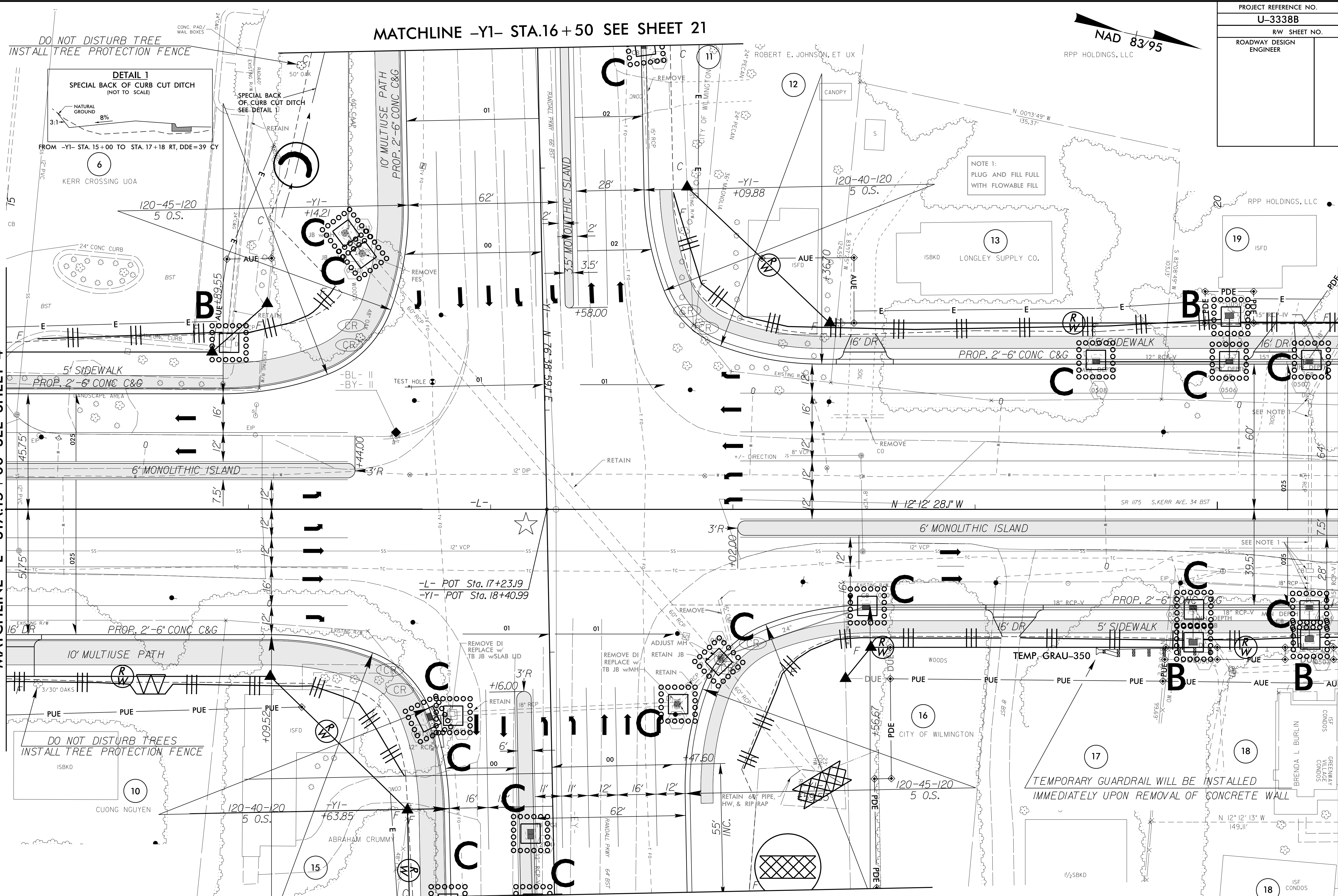
PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-43/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -Y1- STA.16+50 SEE SHEET 21

MATCHLINE -L- STA.15+00 SEE SHEET 4

MATCHLINE -L- STA.20+50 SEE SHEET 6



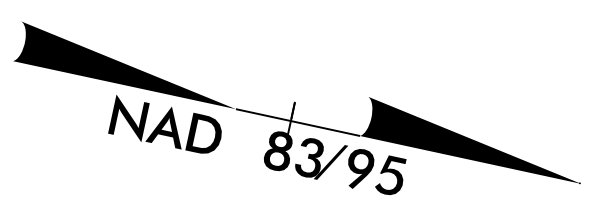
NOTE 1:
PLUG AND FILL FULL WITH FLOWABLE FILL

TEMPORARY GUARDRAIL WILL BE INSTALLED IMMEDIATELY UPON REMOVAL OF CONCRETE WALL

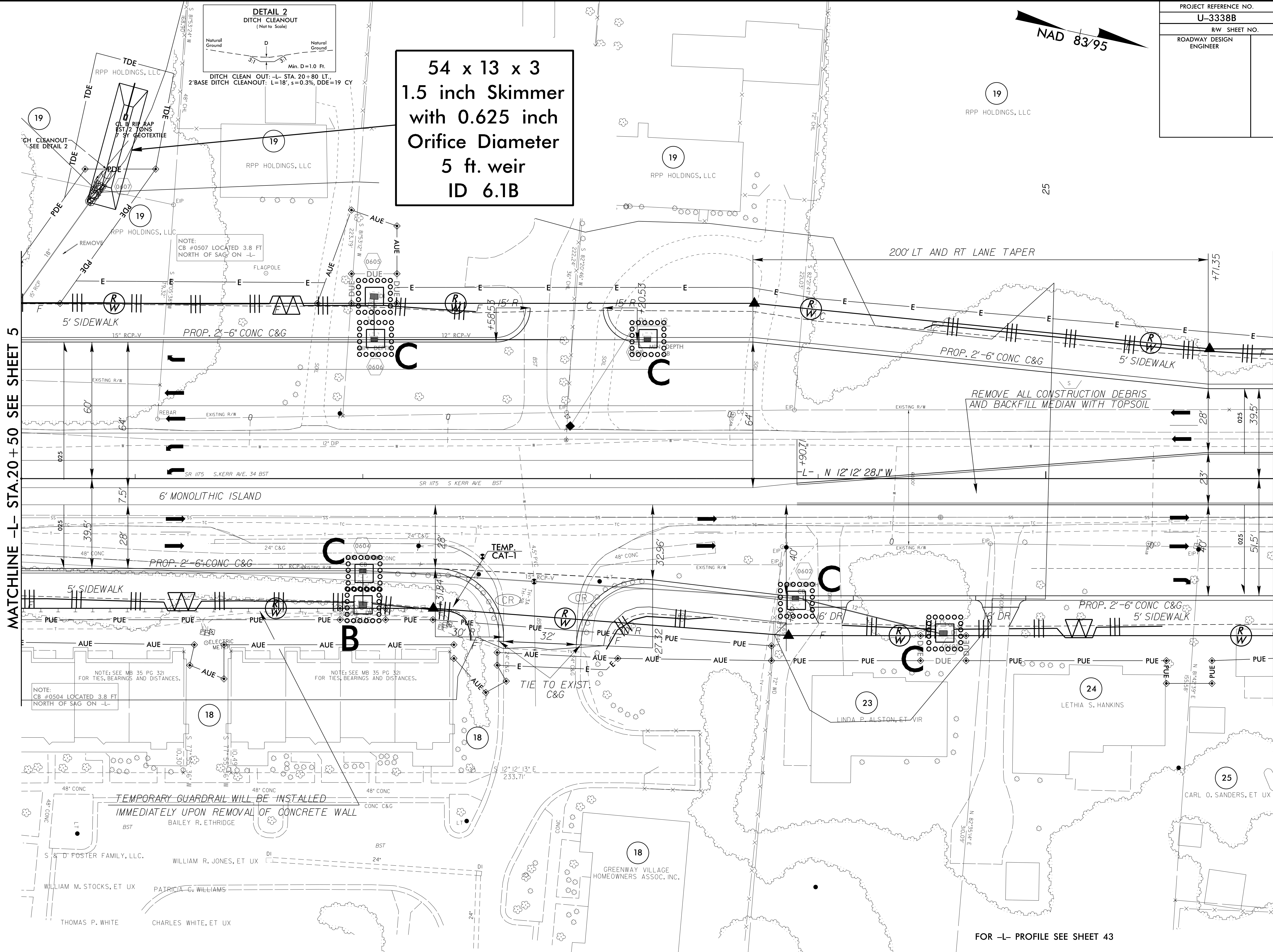
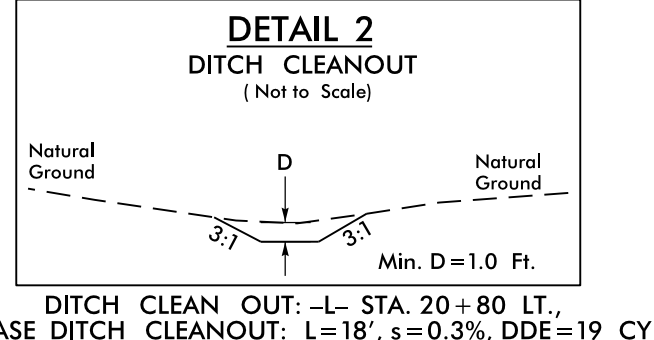


8/17/99
26 JAN-2015 14:34
D:\as\p\U-3338b-EC.upsh.s05.dgn
U-3338B-EC-43/CONST.5

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-44/CONST.6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



**54 x 13 x 3
1.5 inch Skimmer
with 0.625 inch
Orifice Diameter
5 ft. weir
ID 6.1B**



MATCHLINE -L- STA.20+50 SEE SHEET 5

MATCHLINE -L- STA.26+00 SEE SHEET 7

NOTE: SEE MB 35 PG 321 FOR TIES, BEARINGS AND DISTANCES.
NOTE: CB #0504 LOCATED 3.8 FT NORTH OF SAG ON -L-

NOTE: SEE MB 35 PG 321 FOR TIES, BEARINGS AND DISTANCES.

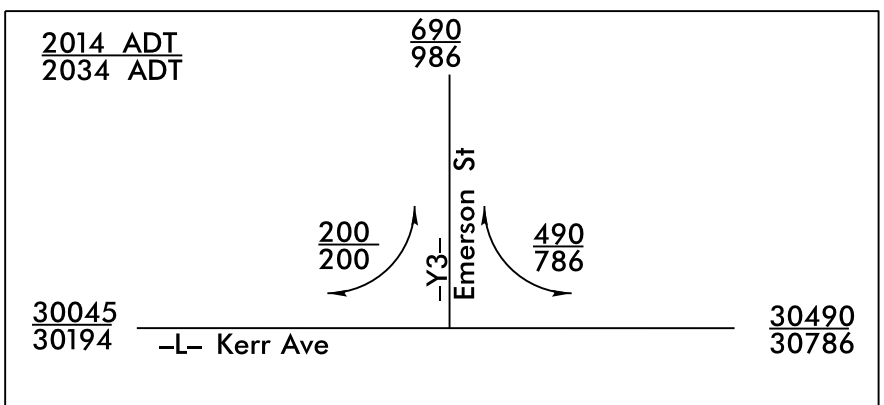
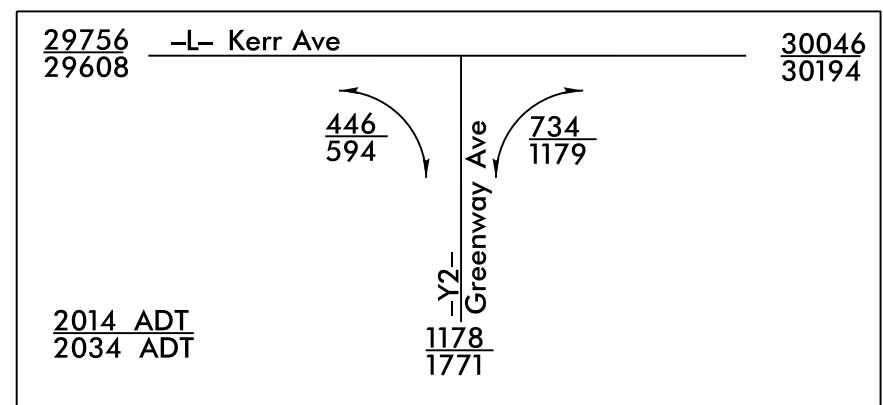
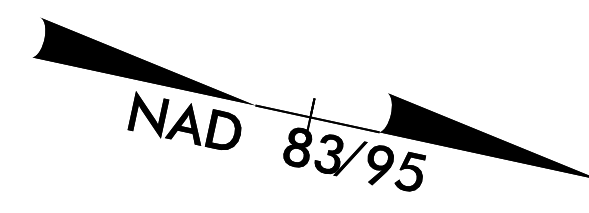
TIE TO EXIST. C&G

TEMPORARY GUARDRAIL WILL BE INSTALLED IMMEDIATELY UPON REMOVAL OF CONCRETE WALL

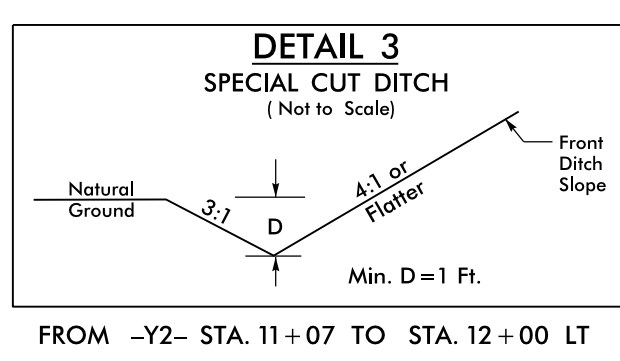
FOR -L- PROFILE SEE SHEET 43

8/17/99
9/21 JAN-2015 14:16
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DRAWN BY: [unreadable]
CHECKED BY: [unreadable]

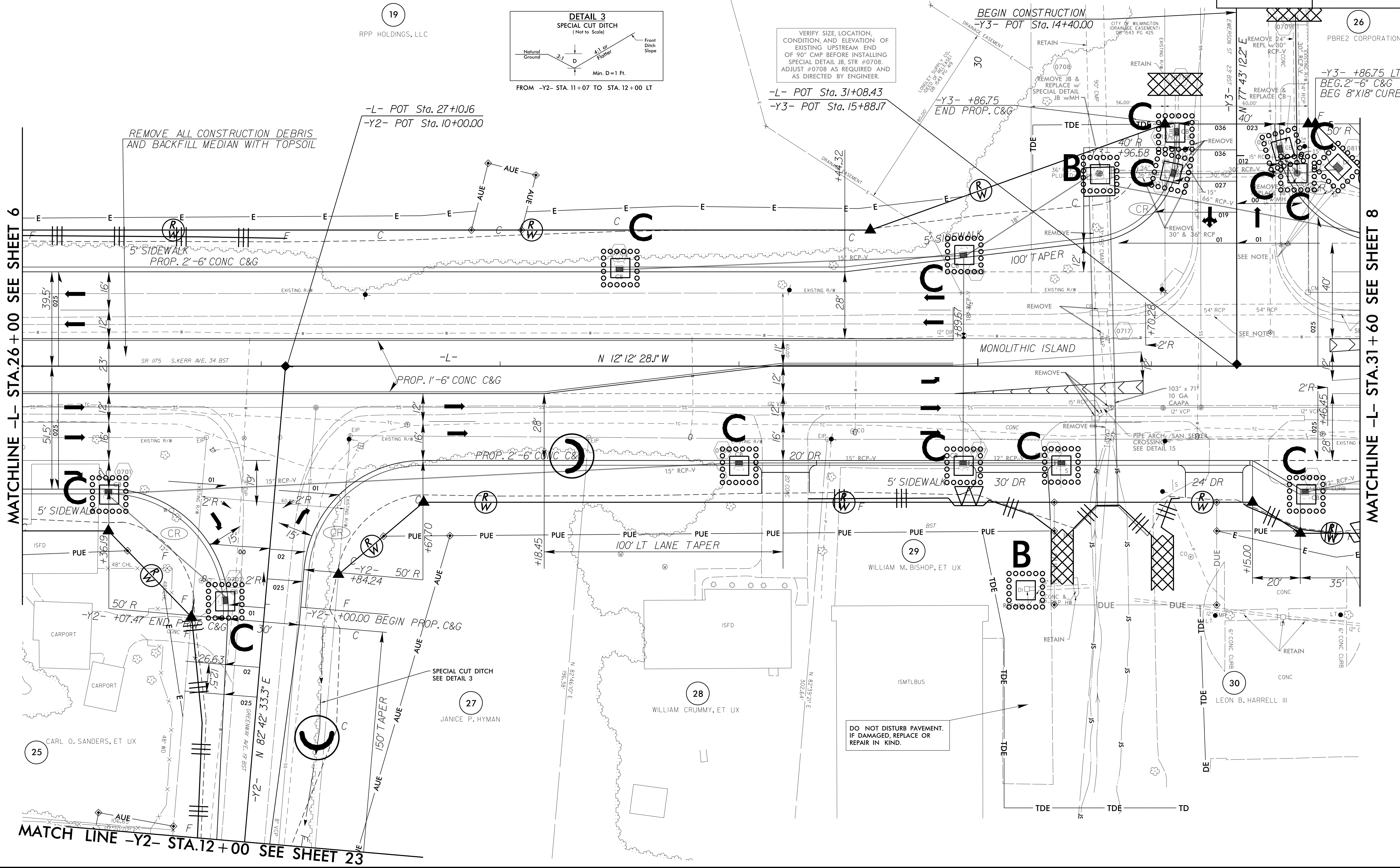
PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-45/CONST.7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL



VERIFY SIZE, LOCATION,
CONDITION, AND ELEVATION OF
EXISTING UPSTREAM END
OF 90° CMP BEFORE INSTALLING
SPECIAL DETAIL JB, STR #0708.
ADJUST #0708 AS REQUIRED AND
AS DIRECTED BY ENGINEER.



MATCHLINE -L- STA.26+00 SEE SHEET 6

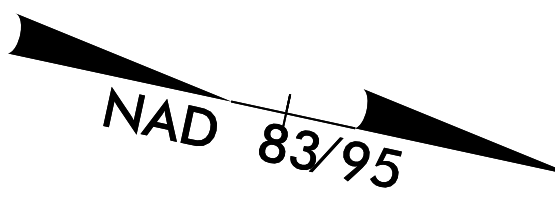
MATCHLINE -L- STA.31+60 SEE SHEET 8

REVISIONS

8/17/99
9/21/2015 14:24
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R:\m\psh\U-3338b-EC-upsh.s07.dgn

MATCH LINE -Y2- STA.12+00 SEE SHEET 23

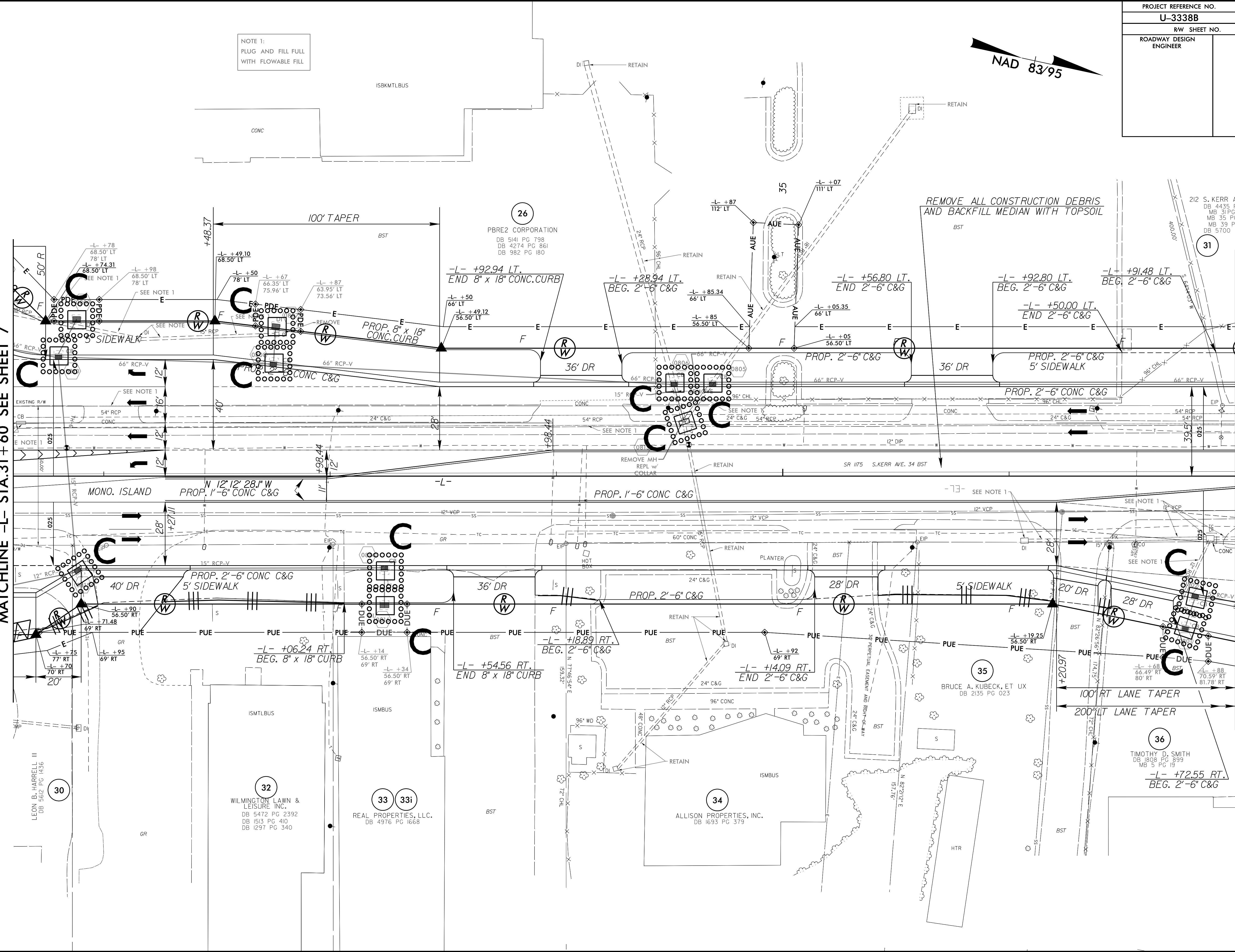
PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-46/CONST. B
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

MATCHLINE -L- STA.31+60 SEE SHEET 7

MATCHLINE -L- STA.37+00 SEE SHEET 9

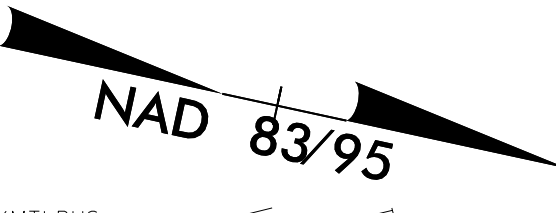


REVISIONS

8/17/99

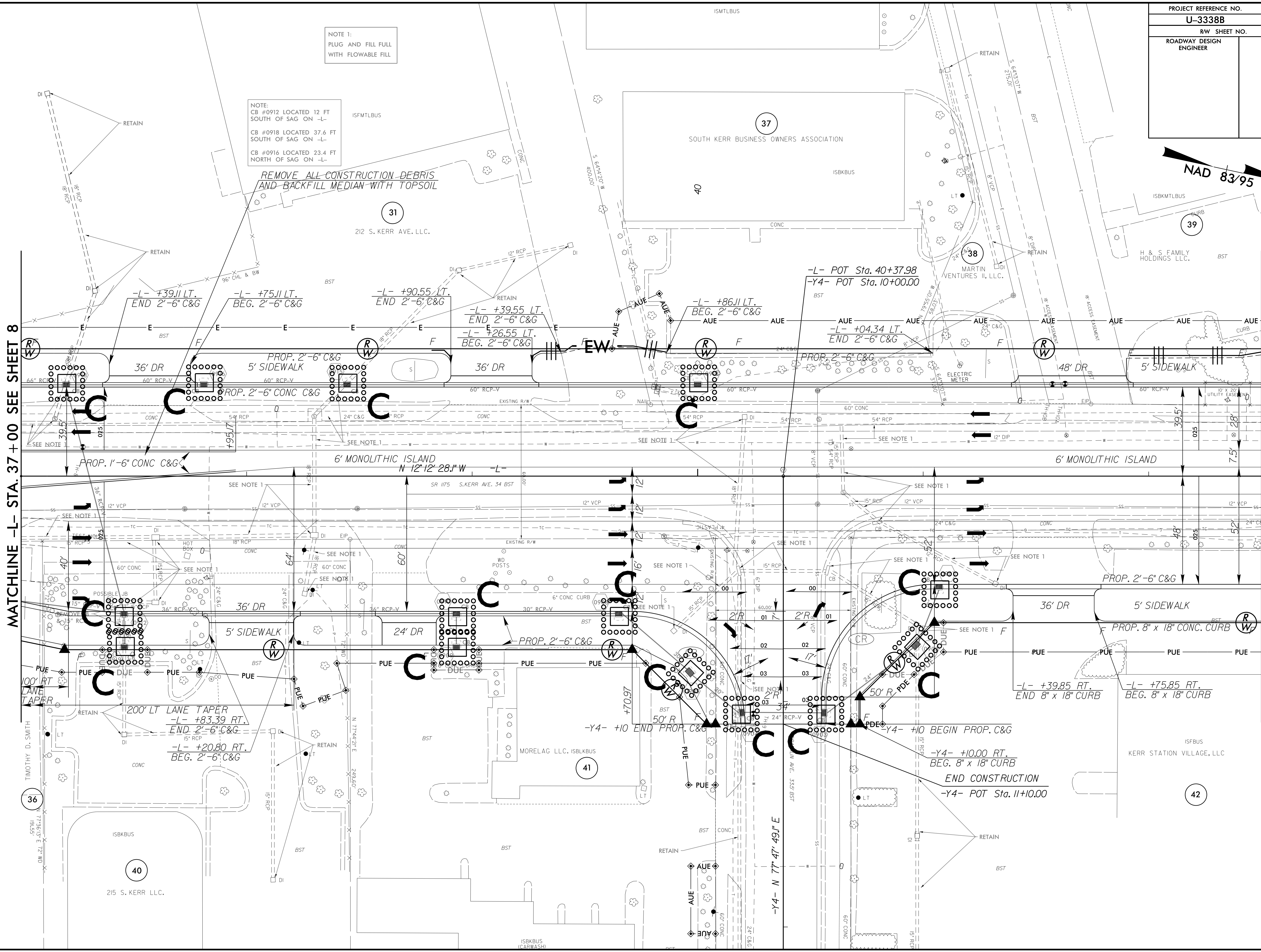
9/21/2015 14:30
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R:\work\magnus\U-3338b-EC.upsh.s08.dgn
A:\work\magnus\U-3338b-EC.upsh.s08.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-47/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -L- STA. 37+00 SEE SHEET 8

MATCHLINE -L- STA. 42+50 SEE SHEET 10



NOTE 1:
PLUG AND FILL FULL WITH FLOWABLE FILL

NOTE:
CB #0912 LOCATED 12 FT SOUTH OF SAG ON -L-
CB #0918 LOCATED 37.6 FT SOUTH OF SAG ON -L-
CB #0916 LOCATED 23.4 FT NORTH OF SAG ON -L-
REMOVE ALL CONSTRUCTION DEBRIS AND BACKFILL MEDIAN WITH TOPSOIL

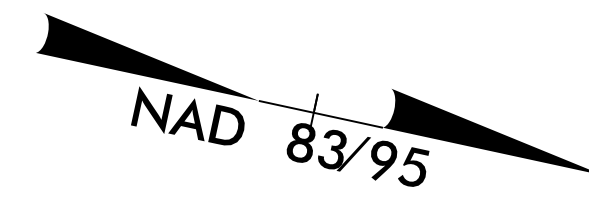
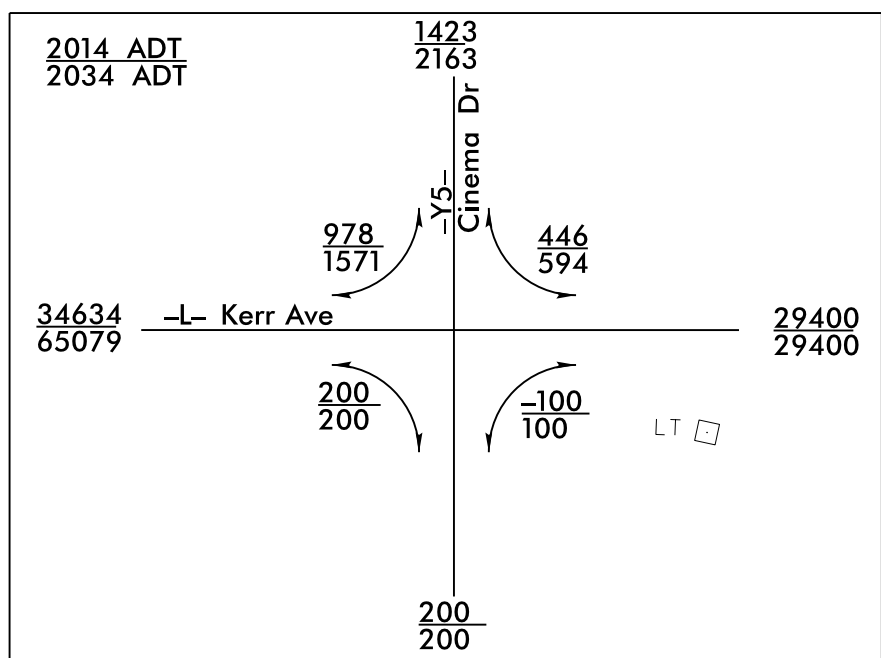
8/17/99
 REVISIONS
 02 JAN-2015 14:34
 D:\s\p\U-3338b-EC.upsh.s09.dgn
 01/17/2015 10:00 AM
 01/17/2015 10:00 AM

8/17/99

02 JAN-2015 14:34
 D:\s\p\U-3338b-EC.upsh.s09.dgn
 01/17/2015 10:00 AM
 01/17/2015 10:00 AM

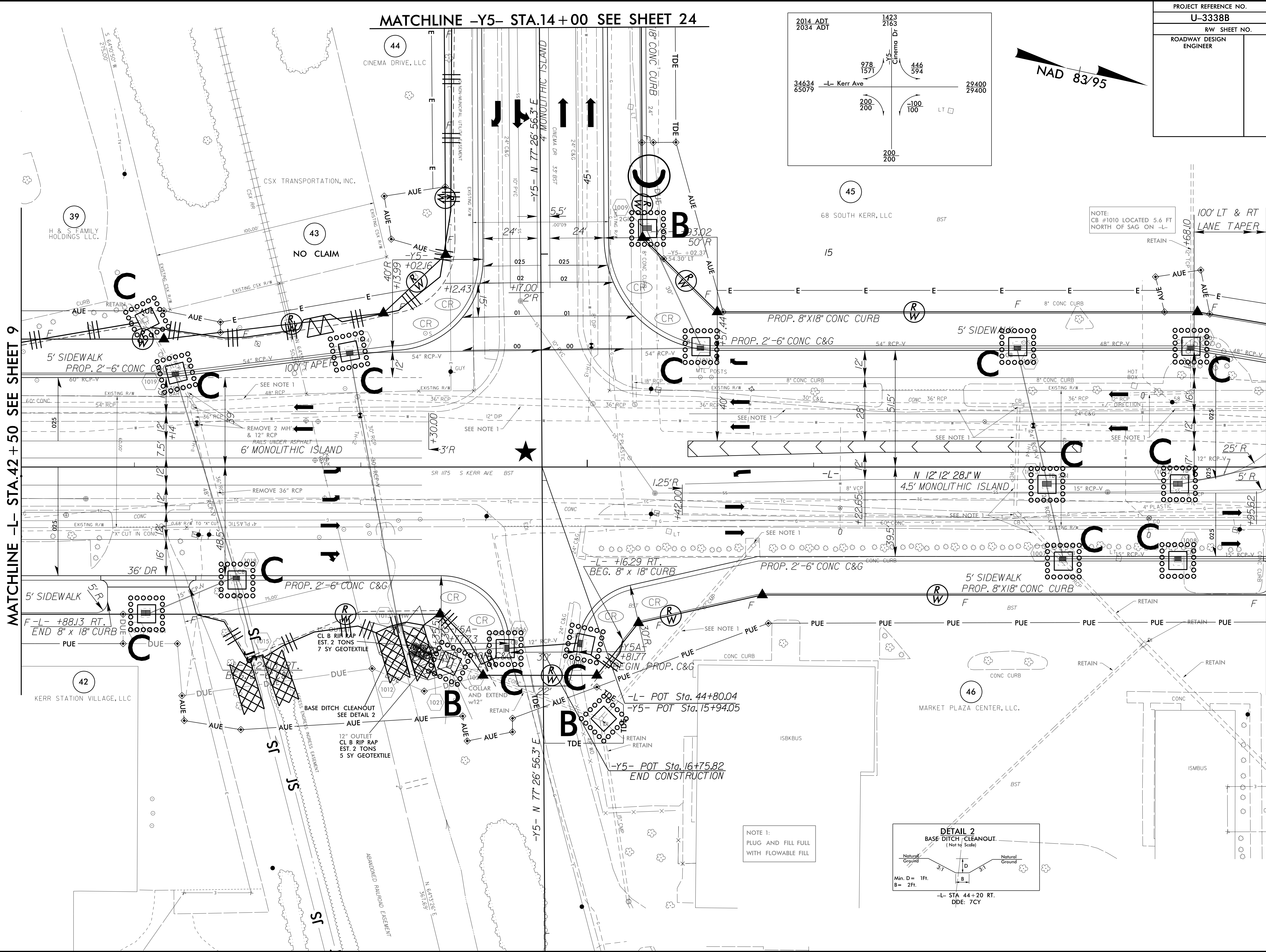
PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-48/CONST.10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -Y5- STA.14+00 SEE SHEET 24

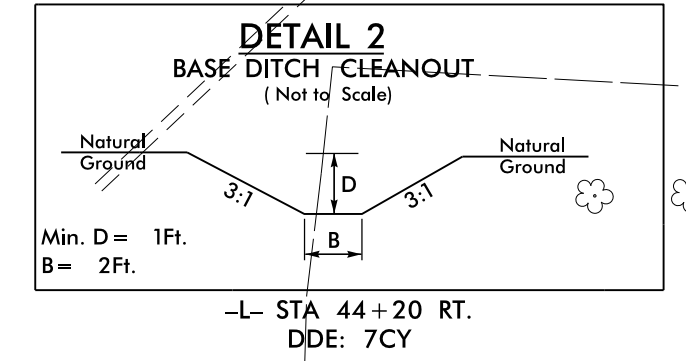


MATCHLINE -L- STA.42+50 SEE SHEET 9

MATCHLINE -L- STA.48+00 SEE SHEET 11



NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

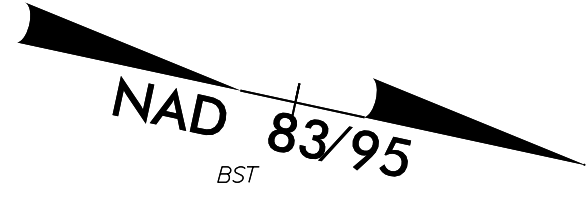


-L- STA. 44+20 RT.
DDE: 7CY

REVISIONS

8/17/99
9/21/01
1/22/02
1/22/03
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1/22/05
1/22/06
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1/22/100

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-49/CONST.II
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

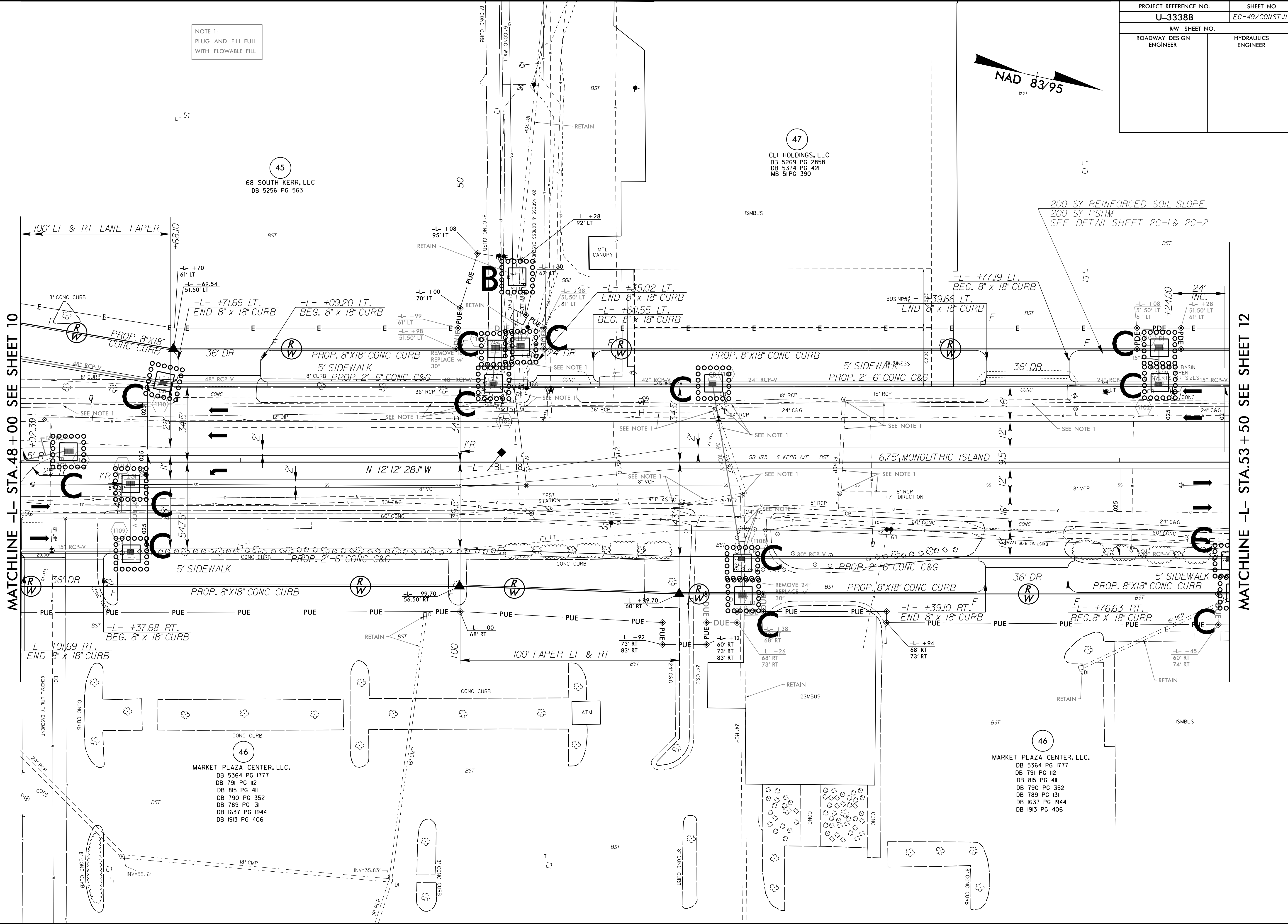


NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

47
CLI HOLDINGS, LLC
DB 5269 PG 2858
DB 5374 PG 421
MB 51 PG 390

45
68 SOUTH KERR, LLC
DB 5256 PG 563

46
MARKET PLAZA CENTER, LLC.
DB 5364 PG 1777
DB 791 PG 112
DB 815 PG 411
DB 790 PG 352
DB 789 PG 131
DB 1637 PG 1944
DB 1913 PG 406



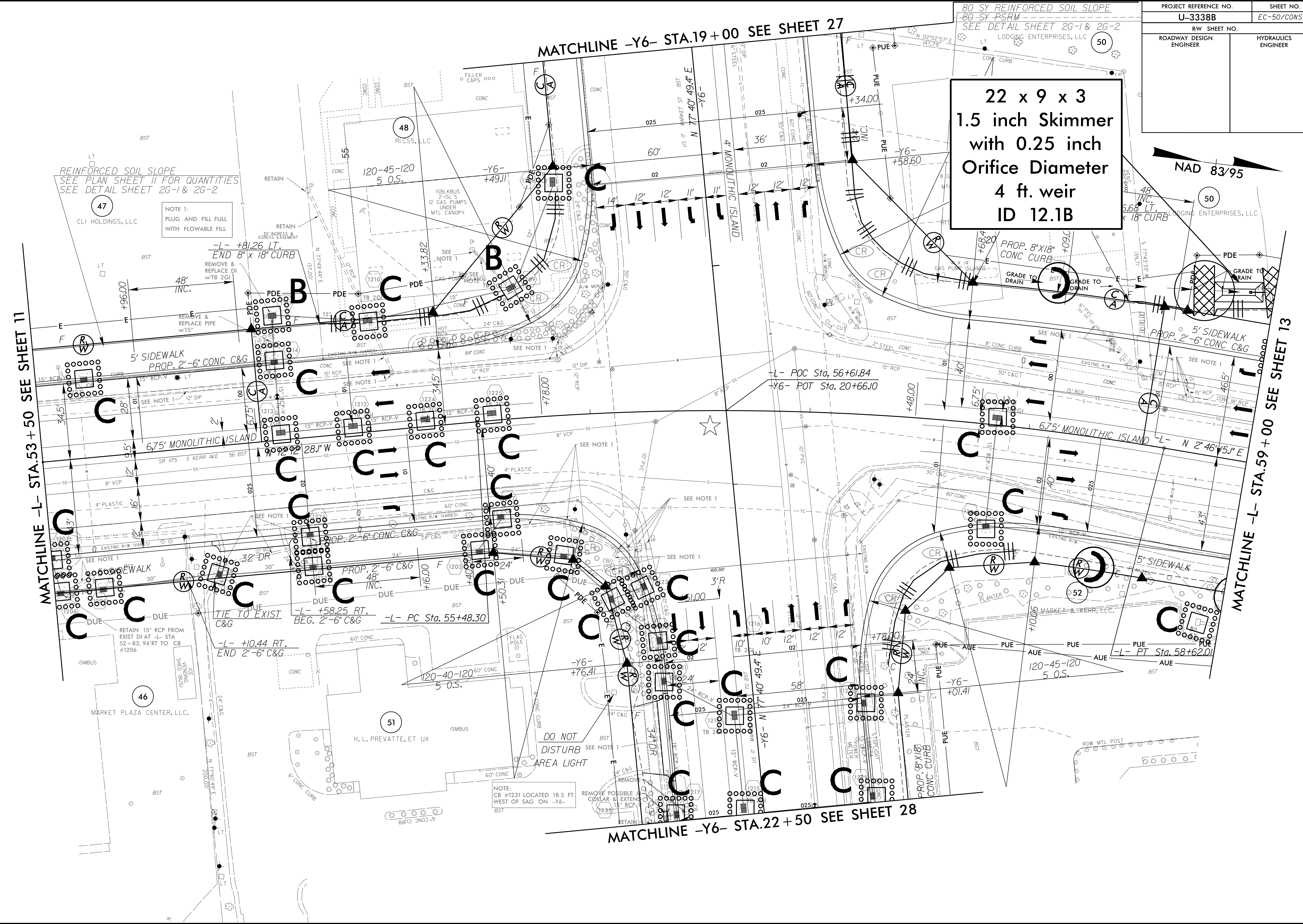
MATCHLINE -L- STA. 48+00 SEE SHEET 10

MATCHLINE -L- STA. 53+50 SEE SHEET 12

8/17/99
9/21/2015 14:42
R:\enviroment\U-3338b-EC.upsh.s11.dgn
MARKET PLAZA CENTER, LLC

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-50/CONST.12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

22 x 9 x 3
1.5 inch Skimmer
with 0.25 inch
Orifice Diameter
4 ft. weir
ID 12.1B



MATCHLINE -Y6- STA.19+00 SEE SHEET 27

MATCHLINE -L- STA.53+50 SEE SHEET 11

MATCHLINE -L- STA.59+00 SEE SHEET 13

MATCHLINE -Y6- STA.22+50 SEE SHEET 28

REINFORCED SOIL SLOPE
SEE PLAN SHEET 11 FOR QUANTITIES
SEE DETAIL SHEET 26-1 & 26-2

NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

-L- +81.26 LT.
END 8" x 18" CURB
REMOVE &
REPLACE DI
w/TB 2GI

-L- +10.44 RT.
END 2'-6" C&G

-L- +58.25 RT.
BEG. 2'-6" C&G

-L- POC Sta. 56+61.84
-Y6- POT Sta. 20+66.10

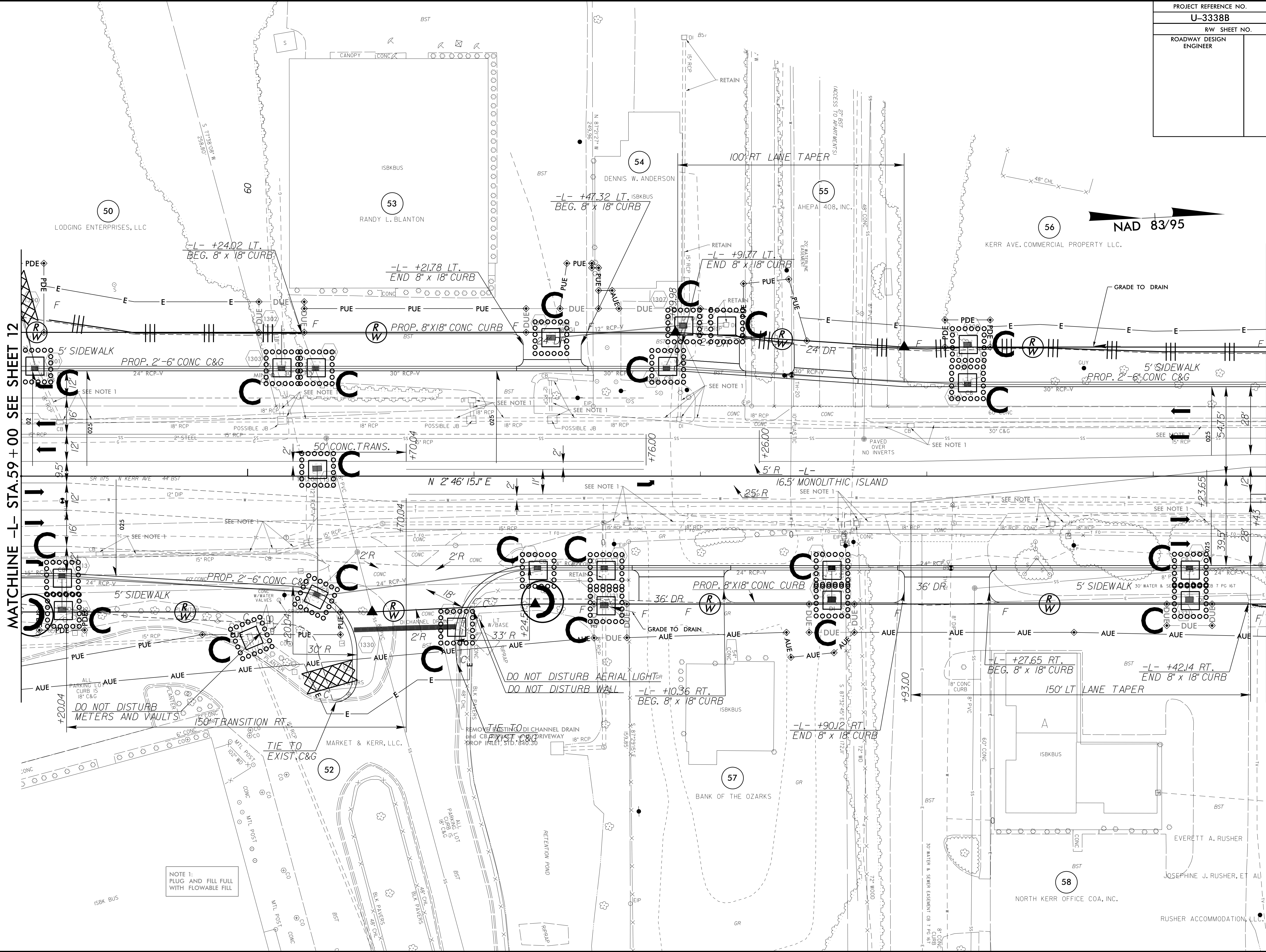
DO NOT
DISTURB
AREA LIGHT

NOTE:
CB #1231 LOCATED 18.5 FT
WEST OF SAG ON -Y6-

8/17/99
9/21/2015 14:52
N:\Projects\U-3338B-EC.upsh.s12.dgn
R:\NVP\omni\U-3338B-EC\U-3338B-EC.dwg

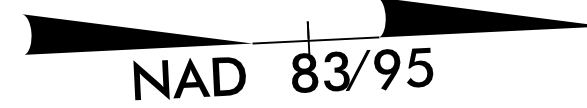
PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-51/CONST.13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99



MATCHLINE -L- STA.59 + 00 SEE SHEET 12

MATCHLINE -L- STA.64 + 50 SEE SHEET 14



NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

50
LODGING ENTERPRISES, LLC

53
RANDY L. BLANTON

54
DENNIS W. ANDERSON

55
AHEPA 408, INC.

56
KERR AVE. COMMERCIAL PROPERTY LLC.

5' SIDEWALK
PROP. 2'-6\"/>

PROP. 8\"/>

5' SIDEWALK
PROP. 2'-6\"/>

5' SIDEWALK
PROP. 2'-6\"/>

PROP. 8\"/>

5' SIDEWALK
PROP. 2'-6\"/>

DO NOT DISTURB
METERS AND VAULTS

DO NOT DISTURB AERIAL LIGHTS
DO NOT DISTURB WALL

-L- +27.65 RT.
BEG. 8\"/>

-L- +42.14 RT.
END 8\"/>

150' TRANSITION RT.
TIE TO
EXIST. C&G

52
MARKET & KERR, LLC.

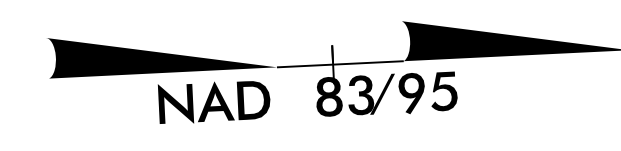
57
BANK OF THE OZARKS

58
NORTH KERR OFFICE COA, INC.

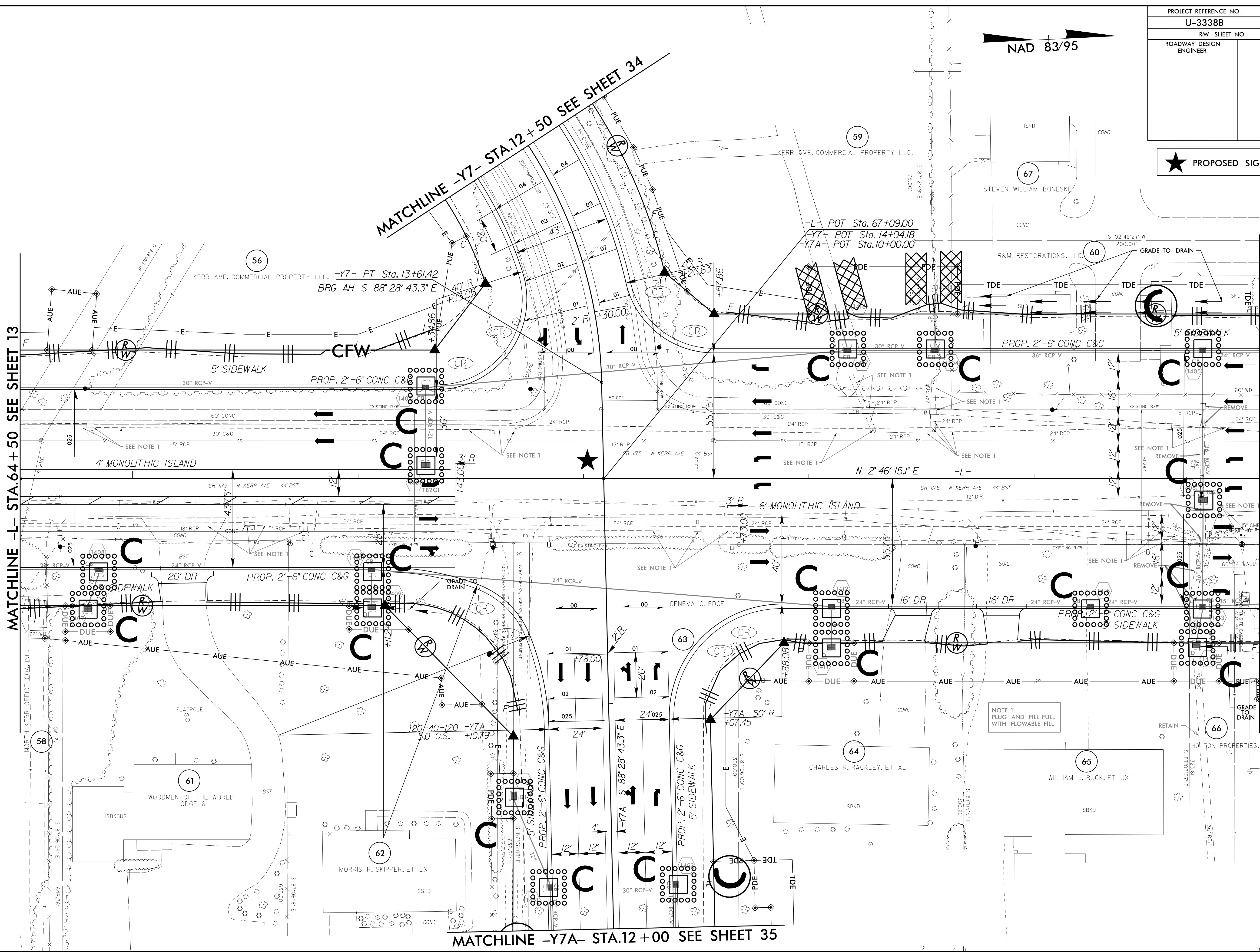
EVERETT A. RUSHER
JOSEPHINE J. RUSHER, ET AU
RUSHER ACCOMMODATION, LLC.

9/21/2015 14:55
 N:\Projects\U-3338B-EC.upsh.s13.dgn
 User: upsh
 Plot: U-3338B-EC-51-CONST.13

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-52/CONST.14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



★ PROPOSED SIGNAL



MATCHLINE -L- STA.64 + 50 SEE SHEET 13

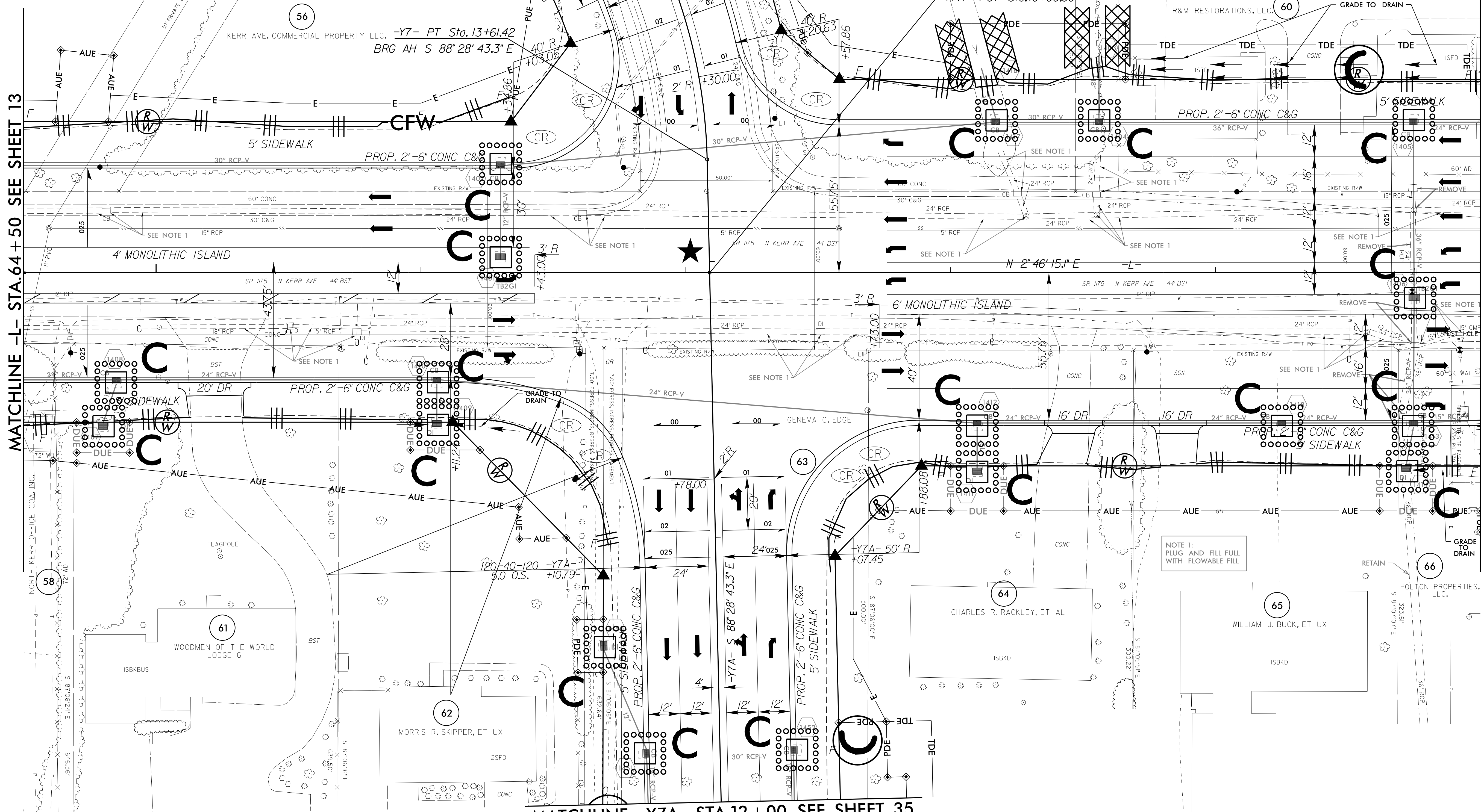
MATCHLINE -Y7- STA.12 + 50 SEE SHEET 34

MATCHLINE -Y7A- STA.12 + 00 SEE SHEET 35

MATCHLINE -L- STA.70 + 00 SEE SHEET 15

8/17/99
 92 JAN-2015 14:58
 R:\enviroment\U-3338b-EC.upsh.s14.dgn
 58

NOTE 1:
 PLUG AND FILL FULL
 WITH FLOWABLE FILL



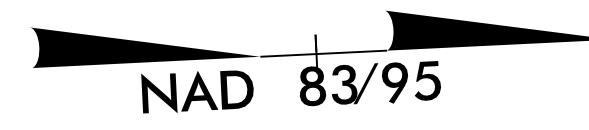
MATCHLINE -L- STA.64 + 50 SEE SHEET 13

MATCHLINE -Y7A- STA.12 + 00 SEE SHEET 35

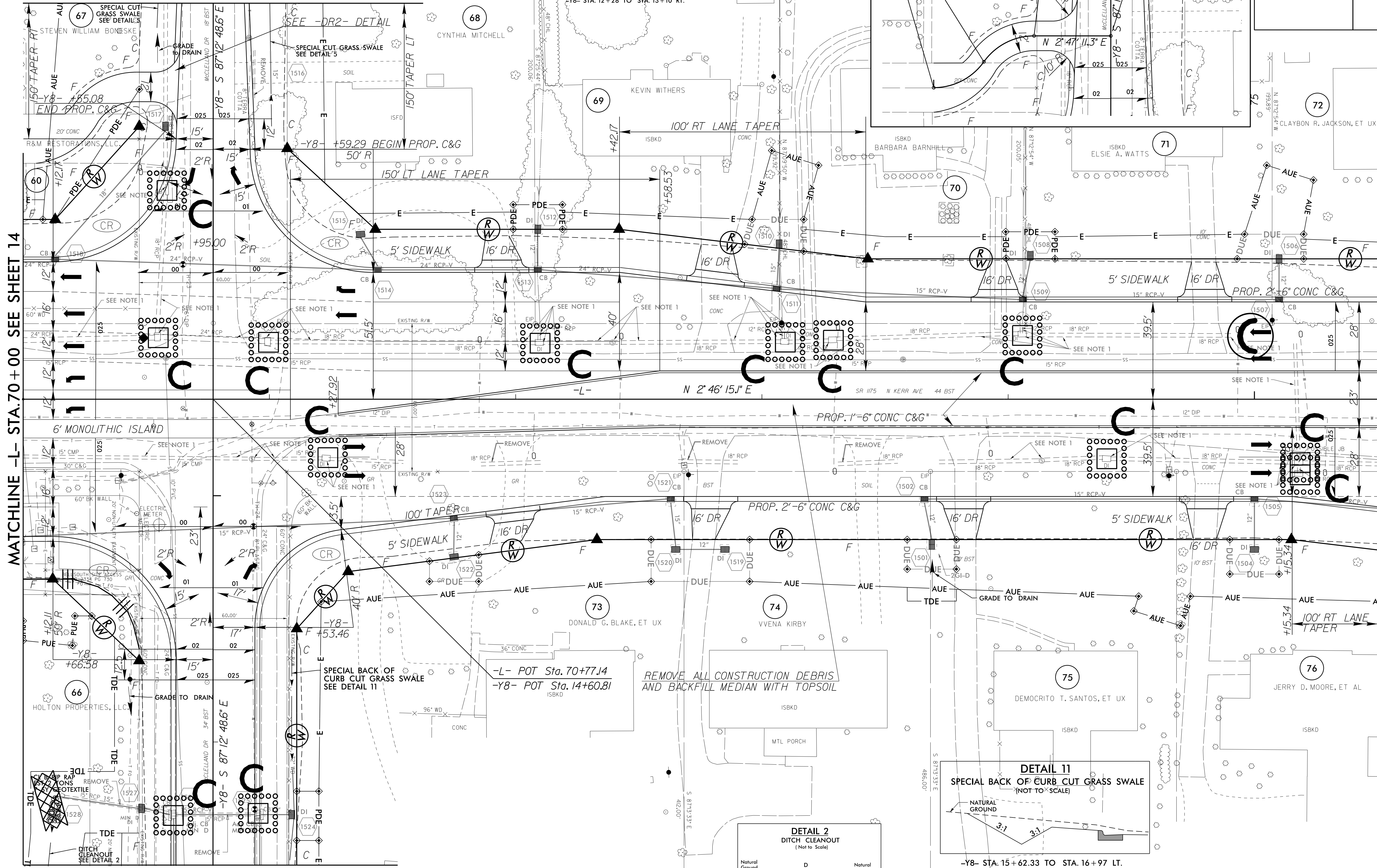
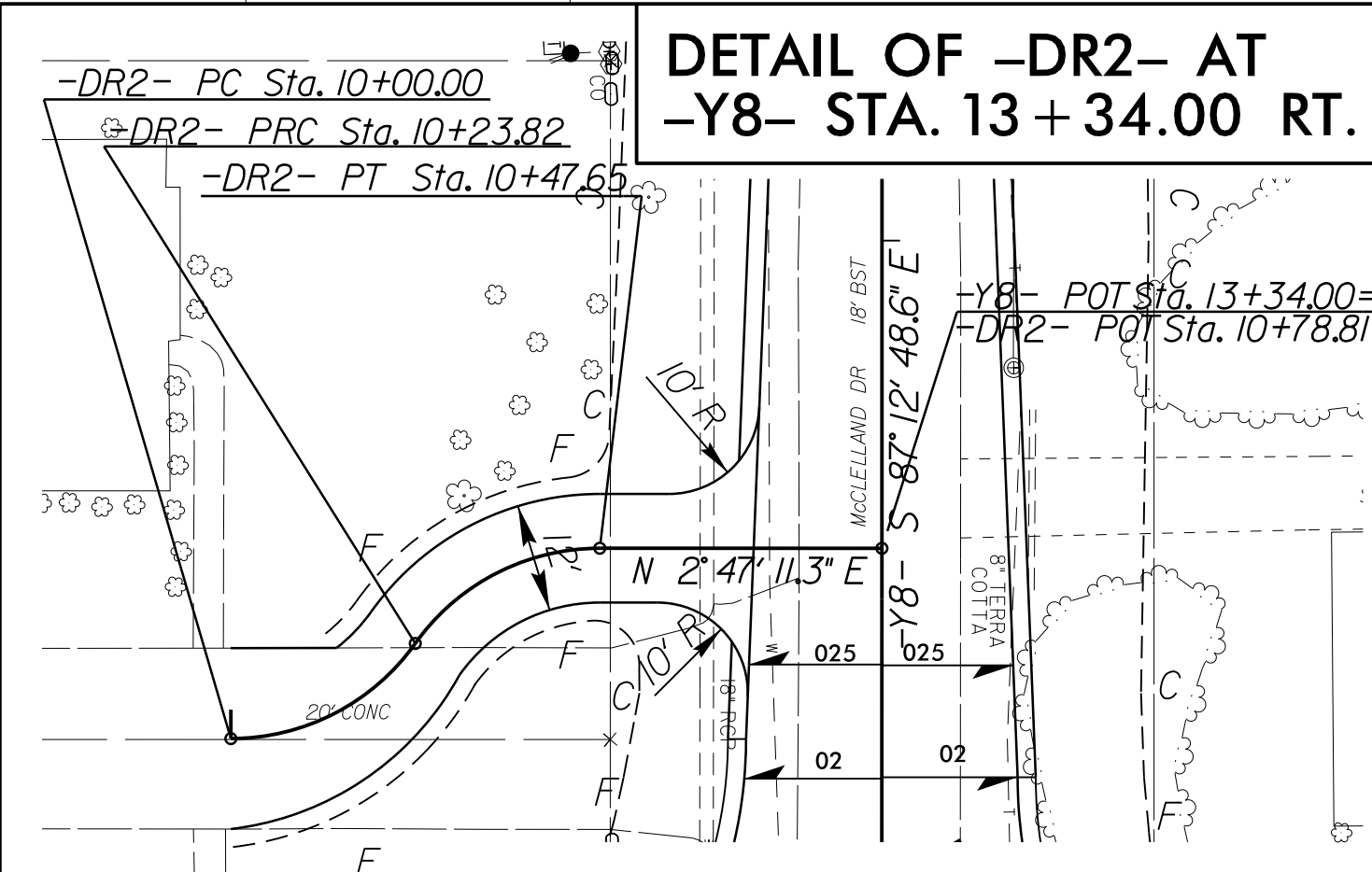
MATCHLINE -L- STA.70 + 00 SEE SHEET 15

58

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-53/CONST.15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



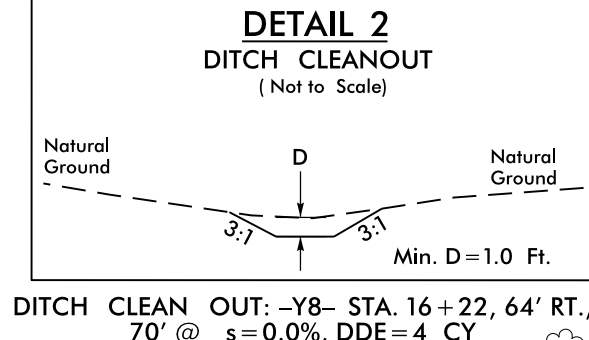
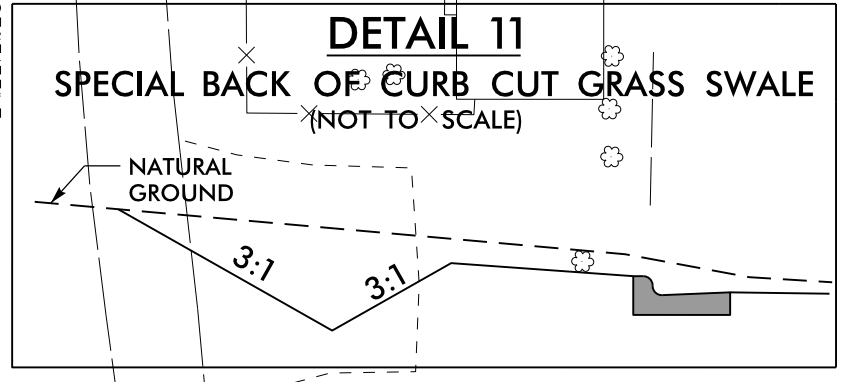
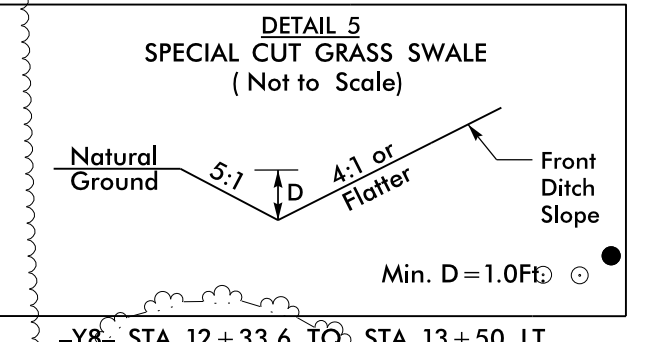
MATCHLINE -Y8- STA.13+00 SEE SHEET 37



MATCHLINE -L- STA.70+00 SEE SHEET 14

MATCHLINE -L- STA.75+50 SEE SHEET 16

MATCHLINE -Y8- STA.16+50 SEE SHEET 38



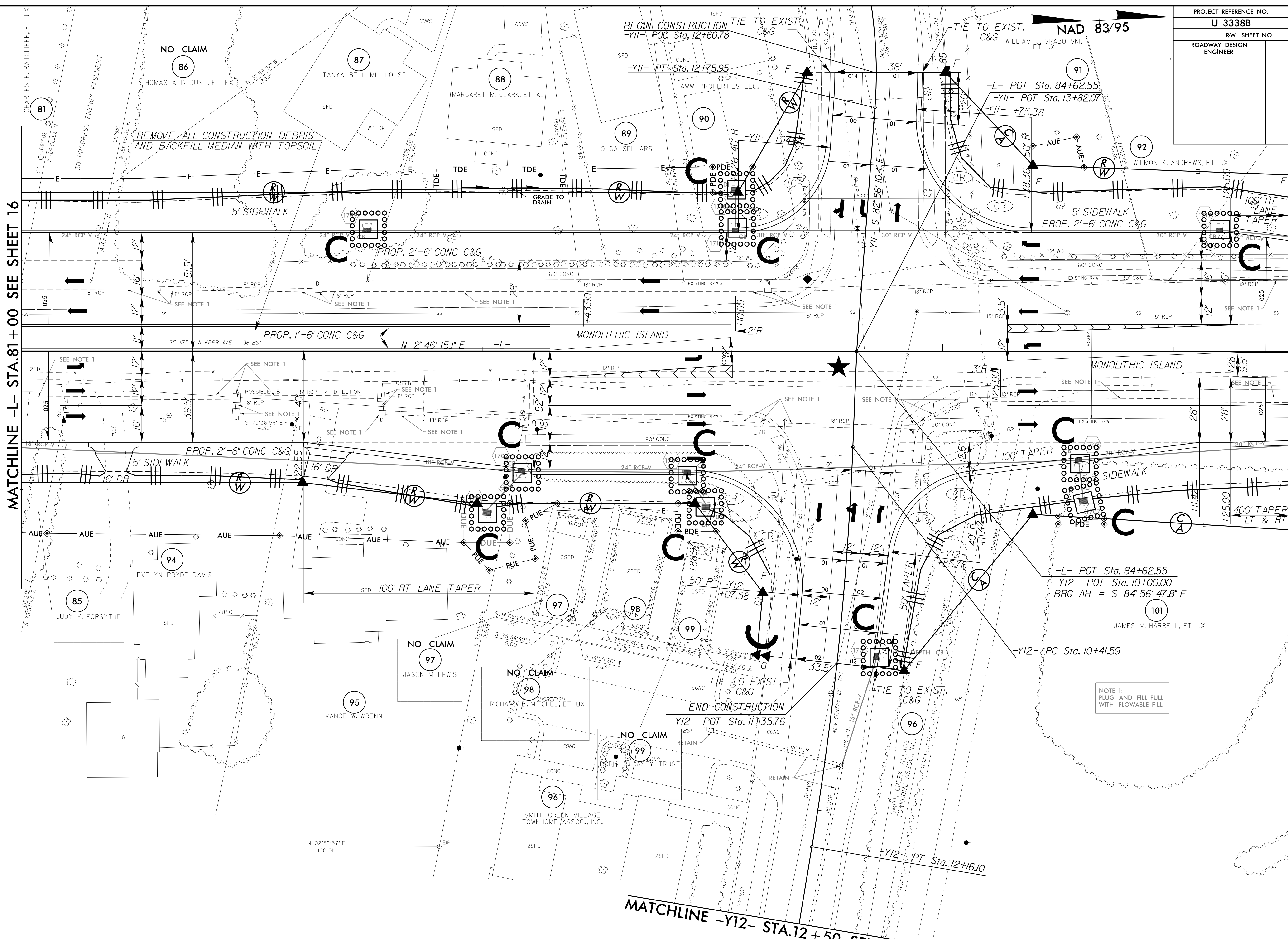
NOTE 1:
PLUG AND FILL FULL WITH FLOWABLE FILL

8/17/99
9/21/AN-2015 15:07
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U-3338B-EC-15.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-55/CONST.17
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -L- STA.81+00 SEE SHEET 16

MATCHLINE -L- STA.86+50 SEE SHEET 18



BEGIN CONSTRUCTION TIE TO EXIST. C&G
 -Y11- POC Sta. 12+60.78
 -Y11- PT Sta. 12+75.95
 TIE TO EXIST. C&G
 NAD 83/95
 WILLIAM J. GRABOWSKI, ET UX

-L- POT Sta. 84+62.55
 -Y12- POT Sta. 10+00.00
 BRG AH = S 84°56'47.8" E
 -Y12- PC Sta. 10+41.59
 -Y12- PT Sta. 12+16.10

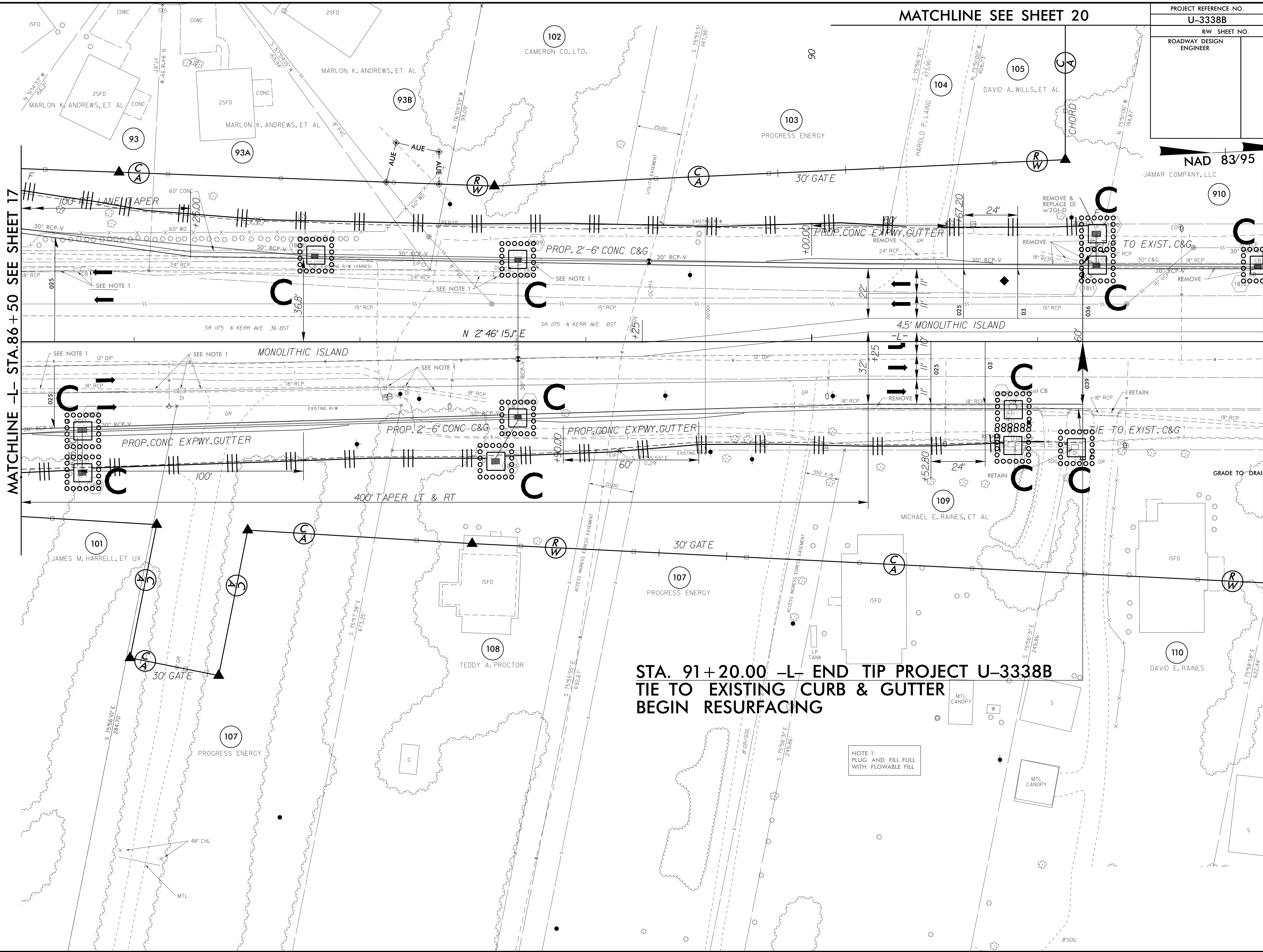
NOTE 1:
 PLUG AND FILL FULL WITH FLOWABLE FILL

MATCHLINE -Y12- STA.12+50 SEE SHEET 40

★ PROPOSED SIGNAL

8/17/99
 9/21 JAN-2015 15:14
 R:\enviroment\U-3338B-EC.upsh.s17.dgn
 A:\enviroment\U-3338B-EC.upsh.s17.dgn

PROJECT REFERENCE NO. U-3338B	SHEET NO. <i>EC-56/CONST.B</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -L- STA.86+50 SEE SHEET 17

MATCHLINE -L- STA.92+00 SEE SHEET 19

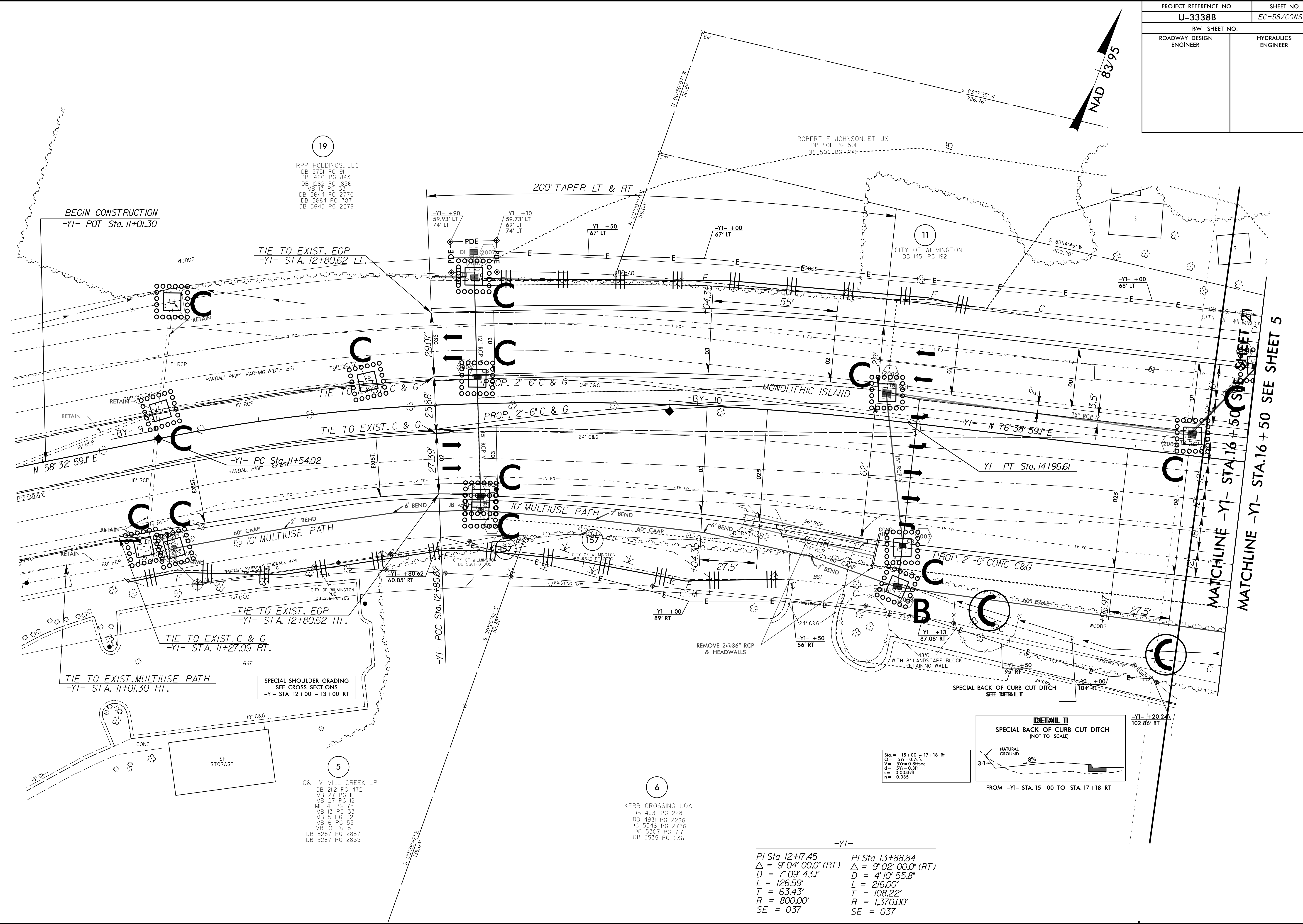
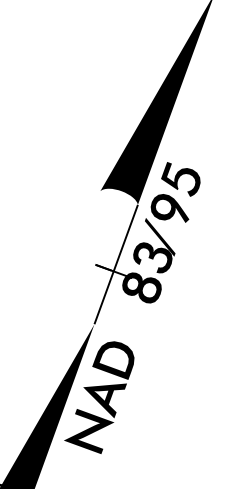
**STA. 91+20.00 -L- END TIP PROJECT U-3338B
TIE TO EXISTING CURB & GUTTER
BEGIN RESURFACING**

NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

8/17/99

9/21 JAN-2015 15:21
R:\env\p\m\p\U-3338B-EC.upsh.s18.dgn
A:\env\p\m\p\U-3338B-EC.upsh.s18.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-58/CONST.21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



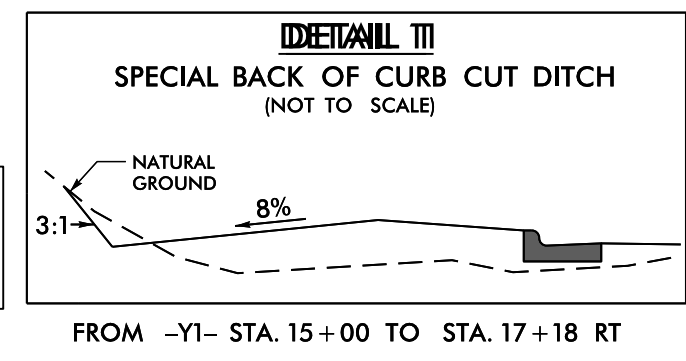
19
RPP HOLDINGS, LLC
DB 5751 PG 31
DB 1460 PG 843
DB 1282 PG 1856
MB 15 PG 33
DB 5644 PG 2170
DB 5684 PG 787
DB 5645 PG 2278

ROBERT E. JOHNSON, ET UX
DB 801 PG 501
DB 1506 PG 799

11
CITY OF WILMINGTON
DB 1451 PG 192

5
C&I IV MILL CREEK LP
DB 212 PG 472
MB 27 PG II
MB 27 PG 12
MB 41 PG 73
MB 13 PG 33
MB 5 PG 92
MB 6 PG 55
MB 10 PG 5
DB 5287 PG 2857
DB 5287 PG 2869

6
KERR CROSSING UOA
DB 4931 PG 2281
DB 4931 PG 2286
DB 5546 PG 2776
DB 5307 PG 717
DB 5535 PG 636



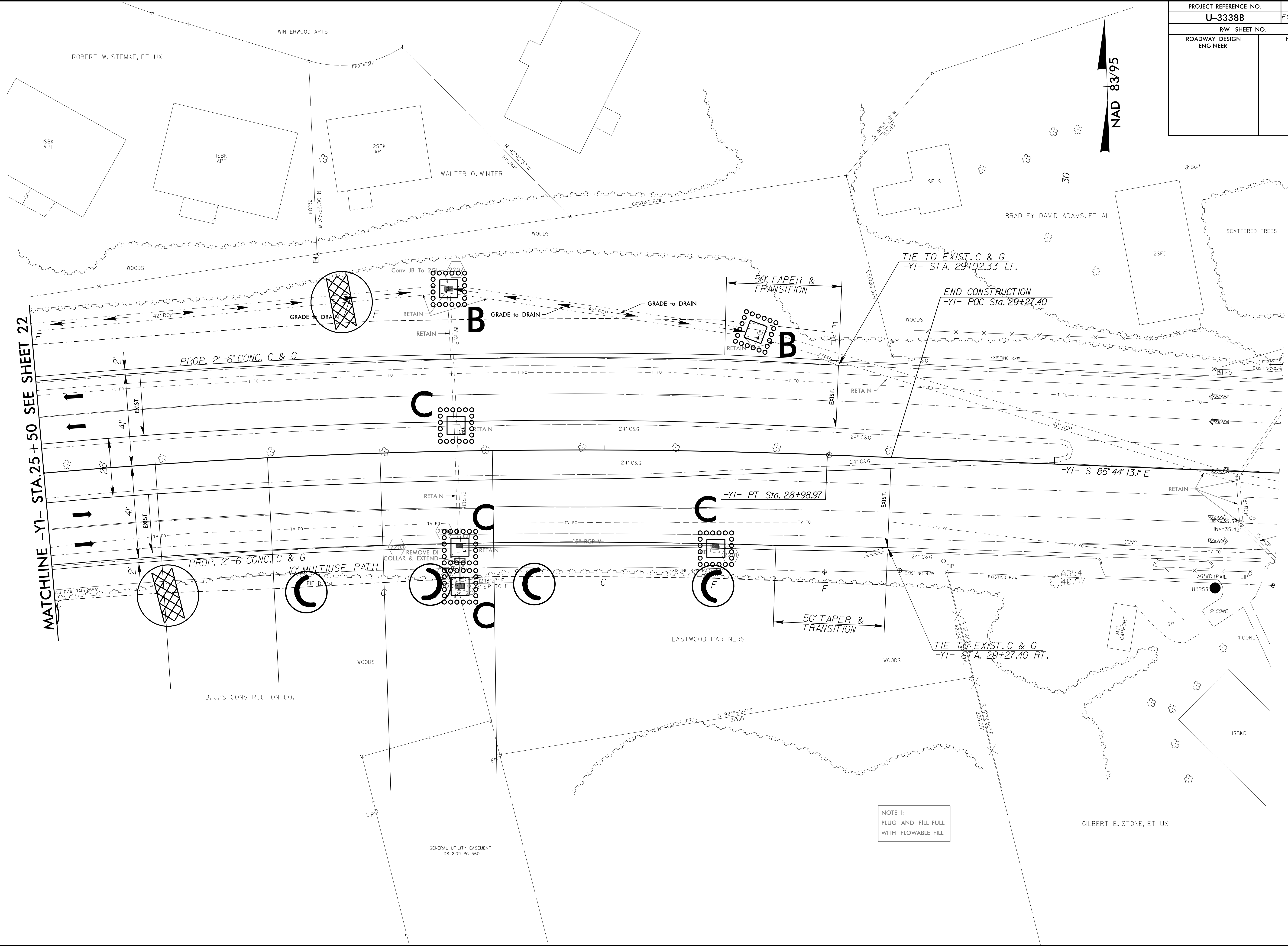
Sta. = 15+00 - 17+18 RT
Q = 3Yr=0.74c
V = 5Yr=0.84sec
d = 3Yr=0.34"
s = 0.004ft/s
n = 0.035

-YI-
PI Sta 12+17.45 PI Sta 13+88.84
Δ = 9° 04' 00.0" (RT) Δ = 9° 02' 00.0" (RT)
D = 7° 09' 43.1" D = 4° 10' 55.8"
L = 126.59' L = 216.00'
T = 63.43' T = 108.22'
R = 800.00' R = 1,370.00'
SE = 037 SE = 037

8/17/99
9/21/15 JAN-2015 15:33
R:\LEWIS\1000\U-3338b-EC.upsh.s20.dgn
A:\LEWIS\1000\U-3338b-EC.upsh.s20.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-60/CONST.22A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/95

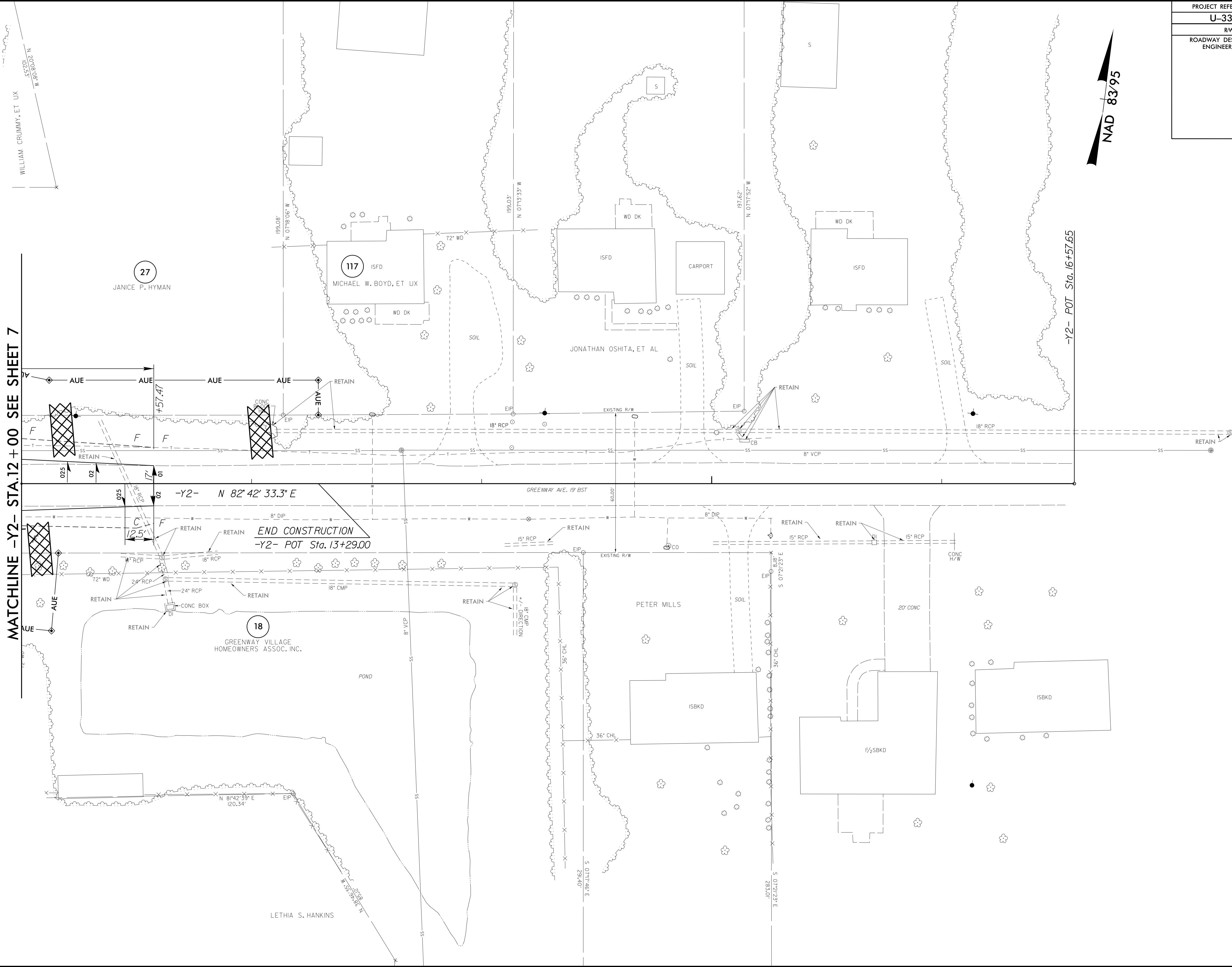
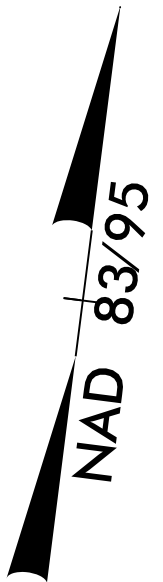


MATCHLINE -Y1- STA.25 + 50 SEE SHEET 22

NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

8/17/99
92 JAN-2015 15:39
N:\Data\U-3338b-EC.upsh.s22.dgn
R:\enviroment\U-3338b-EC.upsh.s22.dgn
A:\enviroment\U-3338b-EC.upsh.s22.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-61/CONST.23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -Y2- STA.12 + 00 SEE SHEET 7

8/17/99

02 JAN-2015 15:43
 R:\LEWIS\m\p\U-3338b-EC.upsh.s23.dgn
 01/17/2015 10:22:59

27
 JANICE P. HYMAN

117
 MICHAEL W. BOYD, ET UX

18
 GREENWAY VILLAGE
 HOMEOWNERS ASSOC. INC.

LETHIA S. HANKINS

-Y2- N 82° 42' 33.3" E

END CONSTRUCTION
 -Y2- POT Sta. 13+29.00

-Y2- POT Sta. 16+57.65

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-62/CONST.24
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

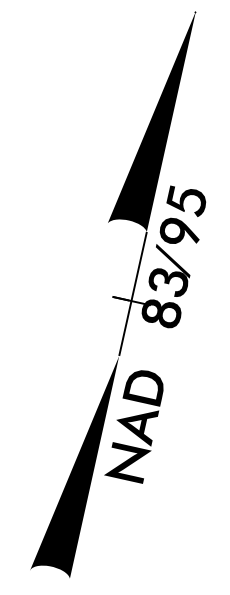
8/17/99

-Y5- POT Sta. 8+85.00
BEGIN CONSTRUCTION

-Y5- PC Sta. 9+15.59

-Y5- PT Sta. 10+00.01

-Y5- +98.03 LT.
BEG. 8" x 18" CURB



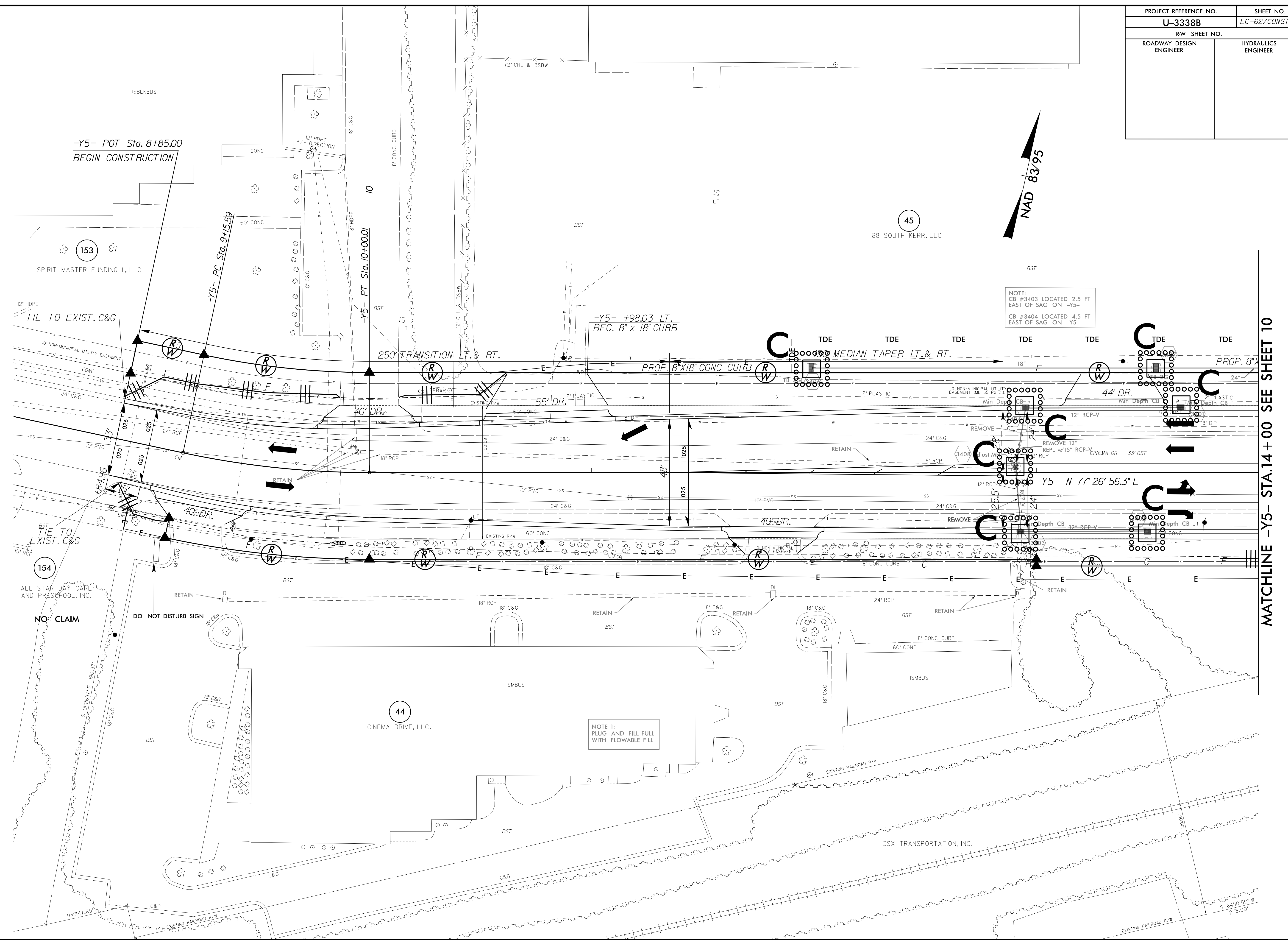
45

68 SOUTH KERR, LLC

NOTE:
CB #3403 LOCATED 2.5 FT
EAST OF SAG ON -Y5-
CB #3404 LOCATED 4.5 FT
EAST OF SAG ON -Y5-

MATCHLINE -Y5- STA.14 + 00 SEE SHEET 10

9/21 JAN-2015 15:46
R:\enviroment\U-3338B\EC.upsh.s24.dgn
A:\enviroment\U-3338B\EC.upsh.s24.dgn



NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

NO CLAIM

DO NOT DISTURB SIGN

CSX TRANSPORTATION, INC.

154
ALL STAR DAY CARE
AND PRESCHOOL, INC.

153
SPIRIT MASTER FUNDING II, LLC

44
CINEMA DRIVE, LLC.

45

68 SOUTH KERR, LLC

TIE TO EXIST. C&G

TIE TO EXIST. C&G

250' TRANSITION LT. & RT.

PROP. 8" x 18" CONC CURB

MEDIAN TAPER LT. & RT.

PROP. 8" x 18" CONC CURB

40' DR.

40' DR.

40' DR.

44' DR.

-Y5- N 77° 26' 56.3" E

18" RCP

24" RCP

10" PVC

24" C&G

18" RCP

10" PVC

24" C&G

18" RCP

10" PVC

24" C&G

18" RCP

10" PVC

24" C&G

18" RCP

10" PVC

24" C&G

18" RCP

10" PVC

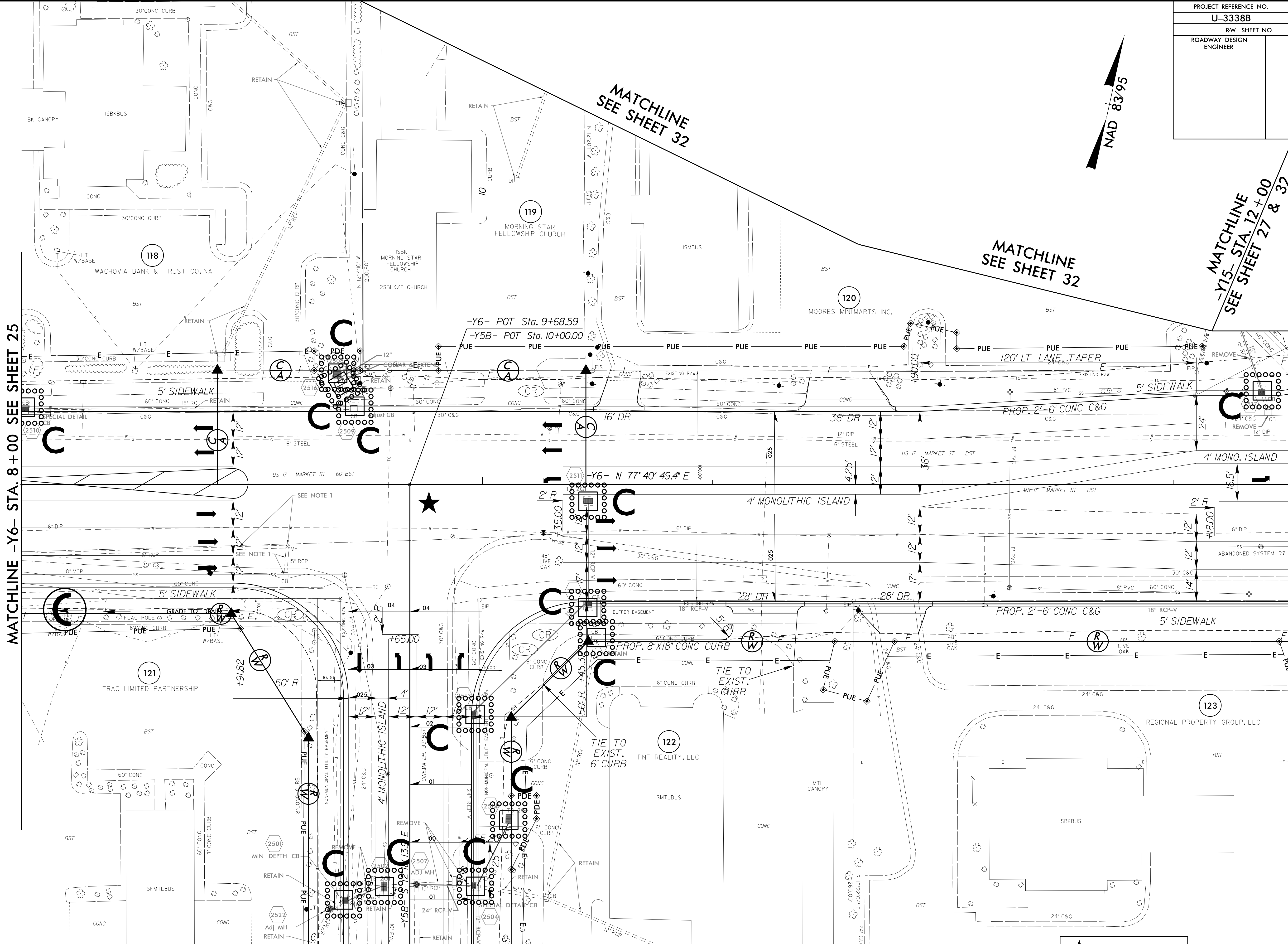
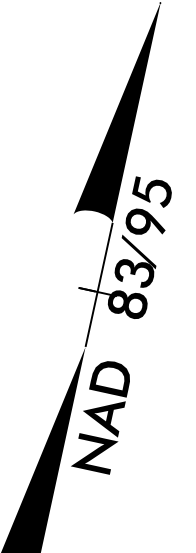
24" C&G

18" RCP

10" PVC

24" C&G

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-64/CONST.26
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -Y6- STA. 8+00 SEE SHEET 25

MATCHLINE
SEE SHEET 32

MATCHLINE
SEE SHEET 32

MATCHLINE
-Y15- STA. 12+00
SEE SHEET 27 & 32

MATCHLINE -Y6- STA. 13+50 SEE SHEET 27

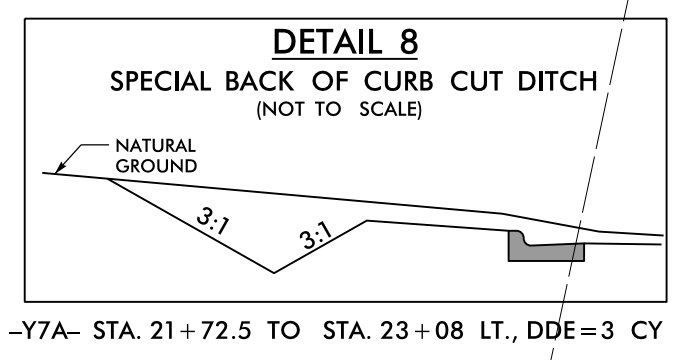
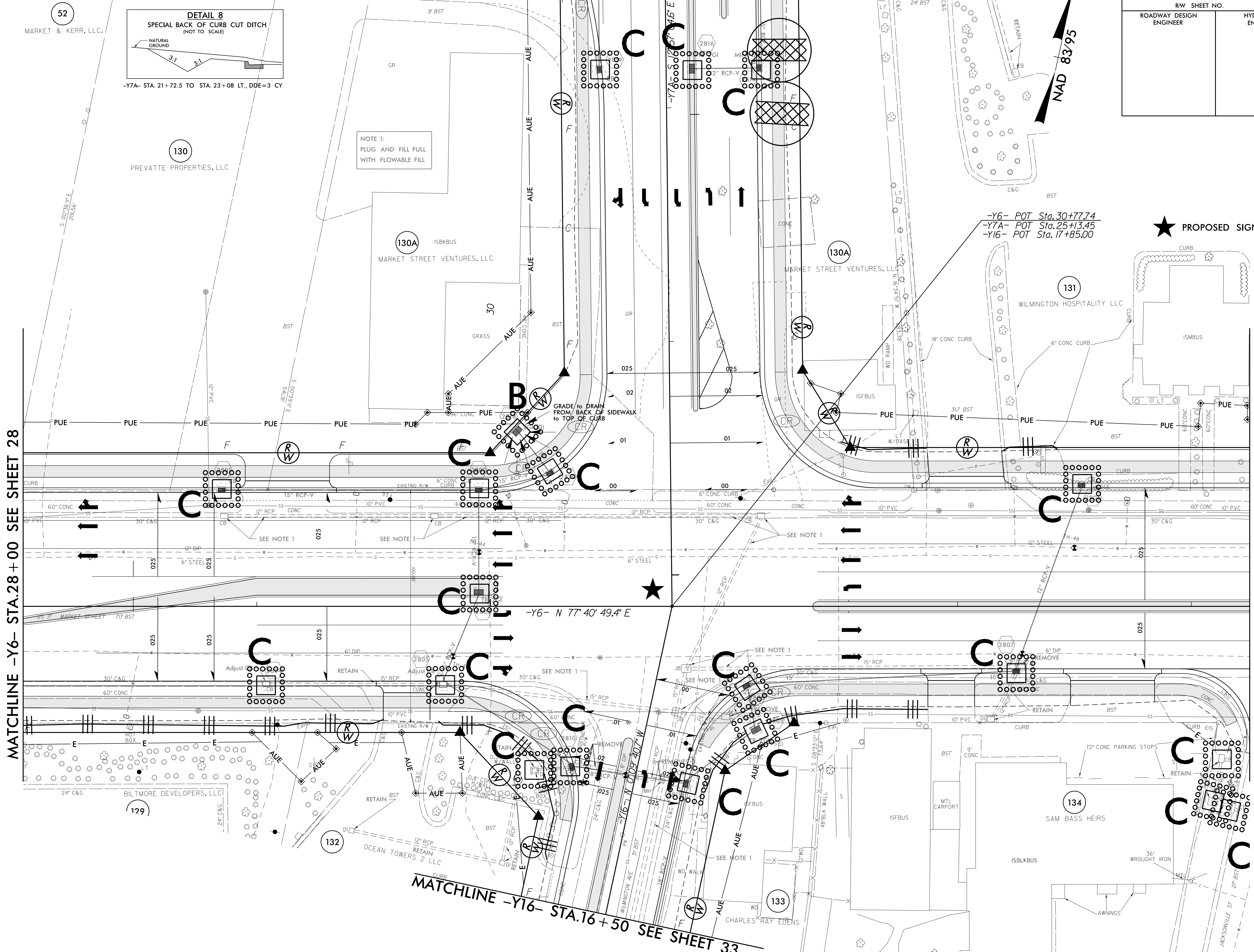
MATCHLINE -Y5B- STA. 12+00 SEE SHEET 31



8/17/99
9/21 JAN-2015 15:55
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PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-67/CONST.29
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

MATCHLINE -Y7A- STA.22+50 SEE SHEET 36



NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

-Y6- POT Sta. 30+77.74
-Y7A- POT Sta. 25+13.45
-Y16- POT Sta. 17+85.00

★ PROPOSED SIGNAL

MATCHLINE -Y6- STA.28+00 SEE SHEET 28

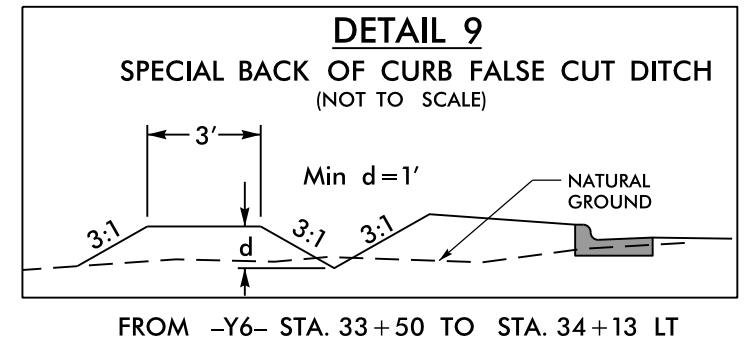
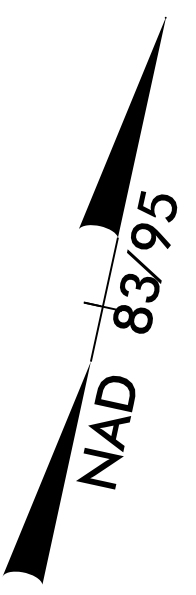
MATCHLINE -Y6- STA.33+25 SEE SHEET 30

MATCHLINE -Y16- STA.16+50 SEE SHEET 33

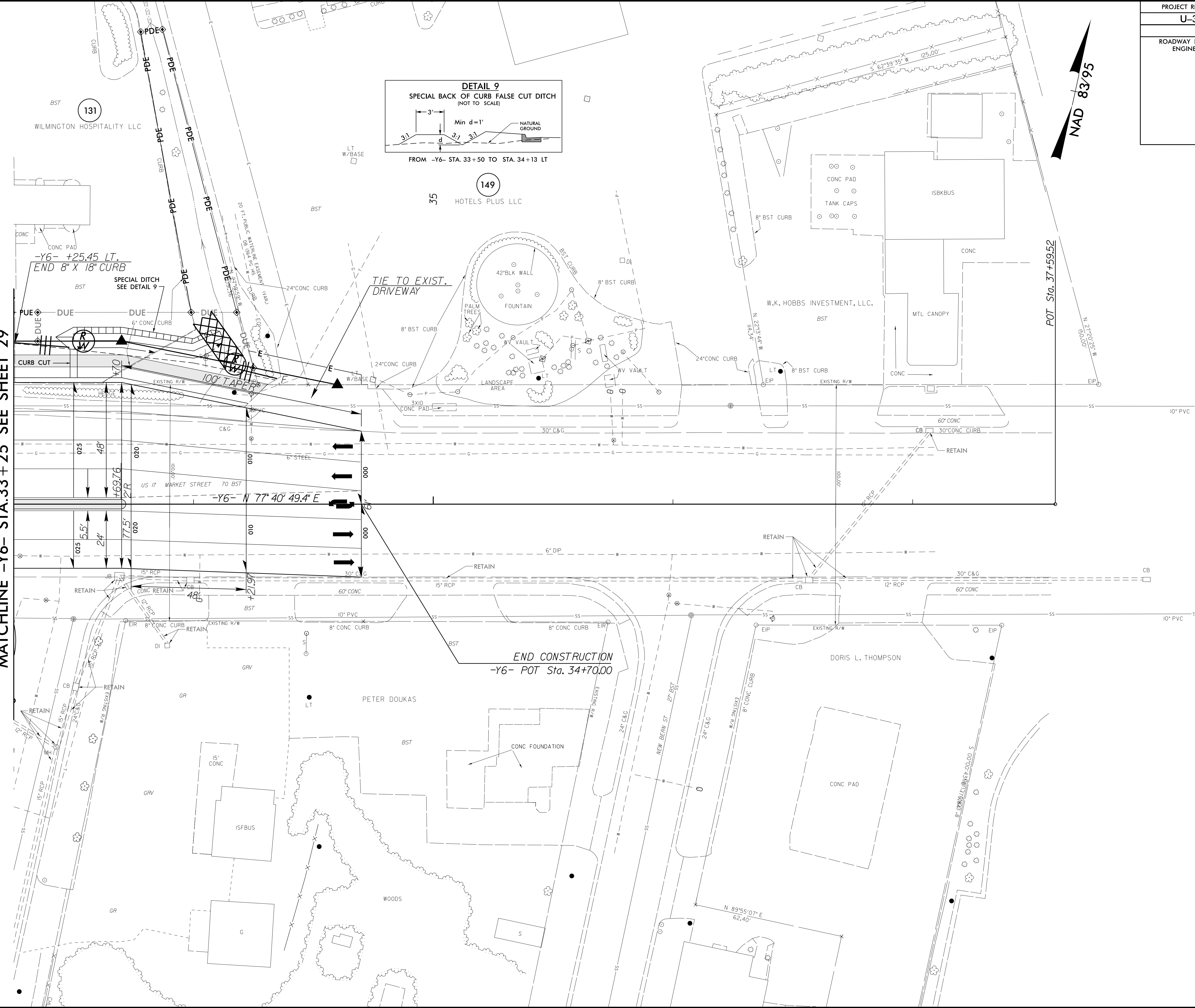
8/17/99

23 JAN-2015 14:31
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R:\Users\m...
A:\Users\m...

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-68/CONST.30
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



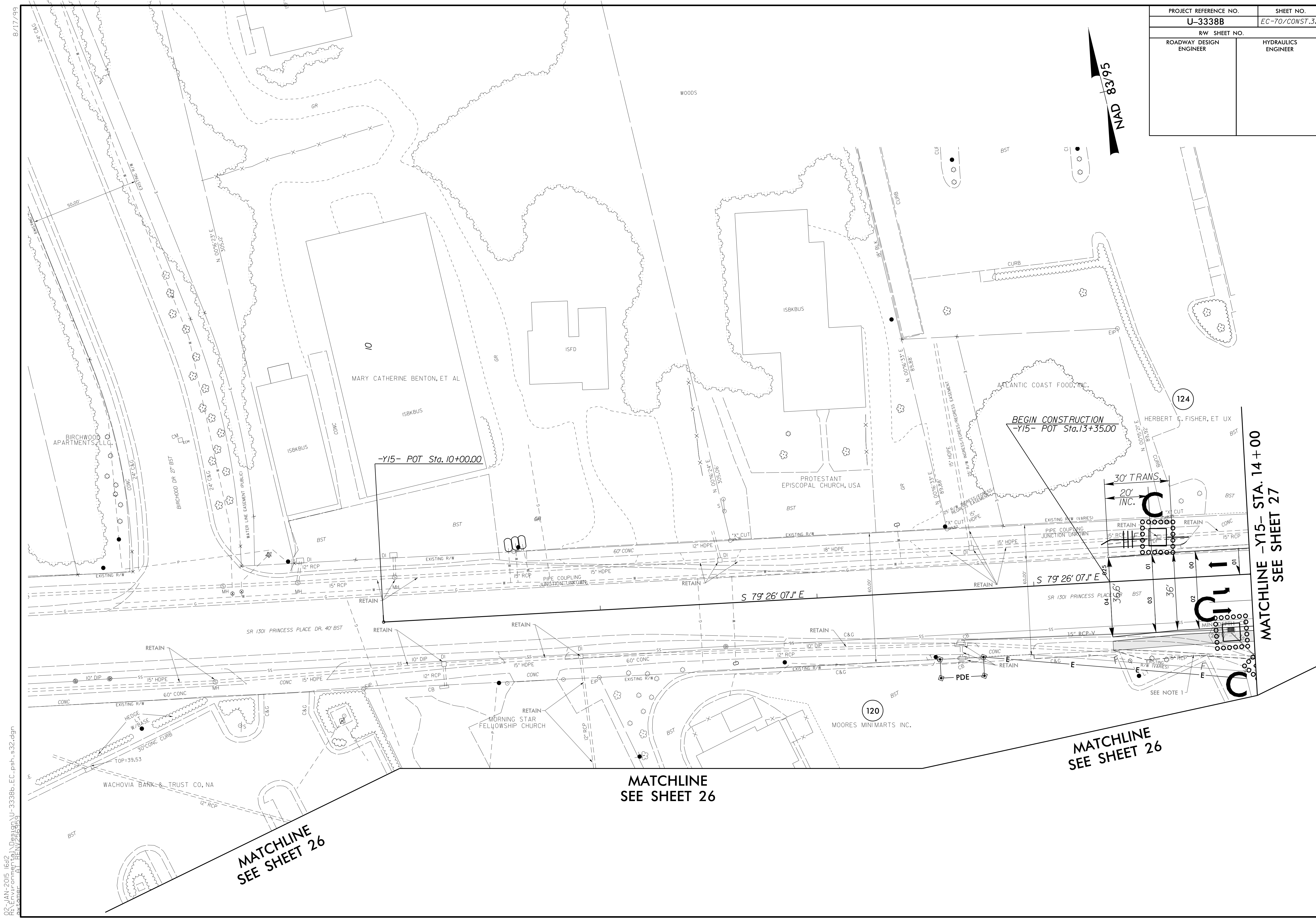
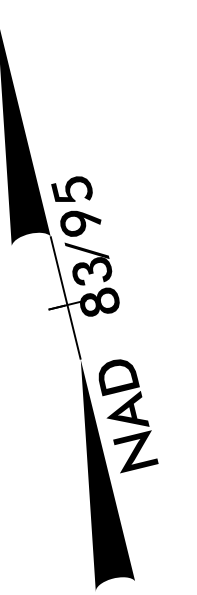
MATCHLINE -Y6- STA.33+25 SEE SHEET 29



8/17/99

92 JAN-2015 16:07
 R:\LEWIS\working\U-3338b-EC.upsh.s30.dgn
 01/17/2015 16:07

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-70/CONST.32
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



-Y15- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y15- POT Sta. 13+35.00

S 79° 26' 07.1\"/>

S 79° 26' 07.1\"/>

MATCHLINE -Y15- STA. 14 + 00
SEE SHEET 27

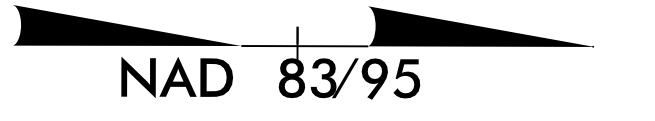
MATCHLINE
SEE SHEET 26

MATCHLINE
SEE SHEET 26

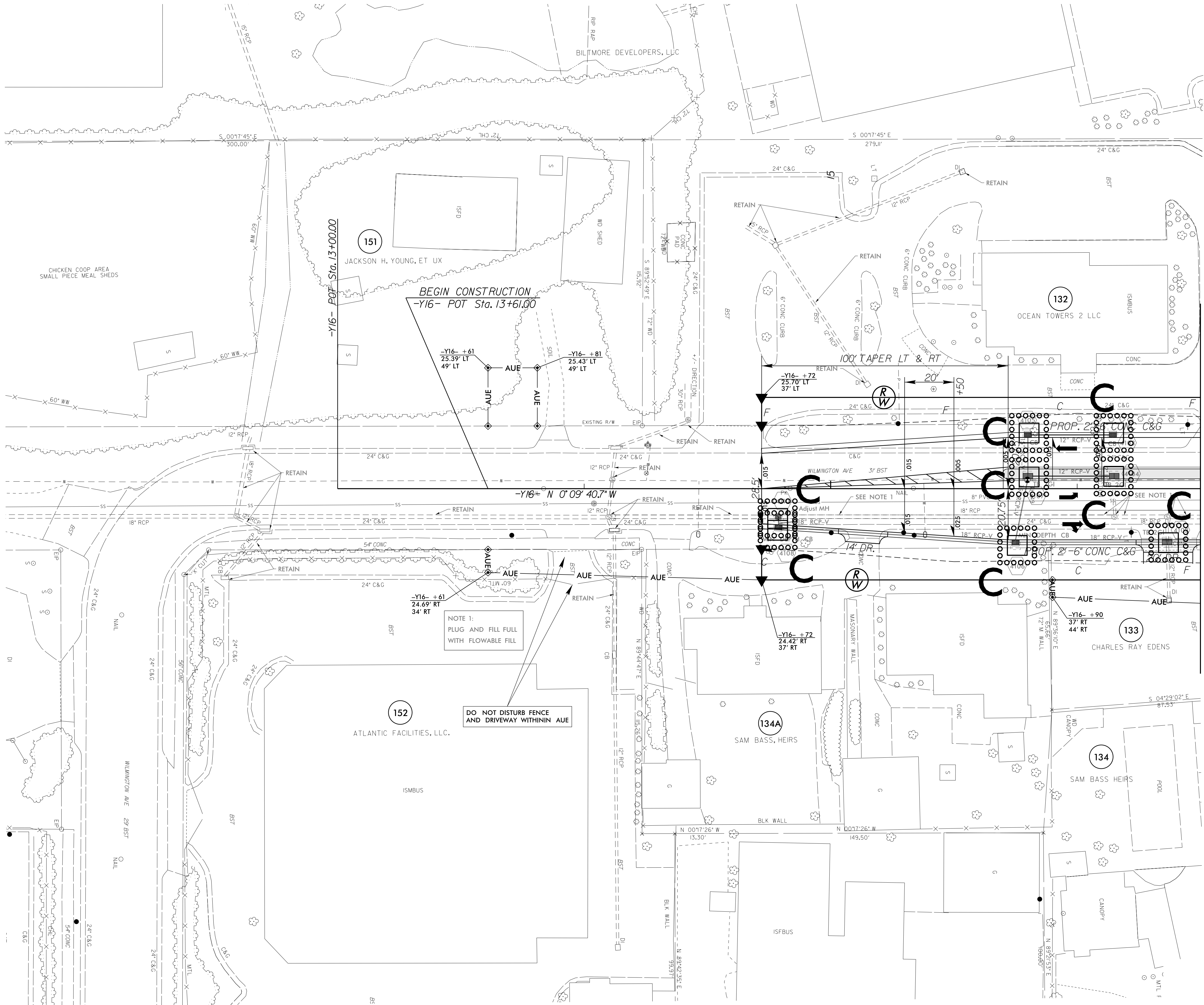
MATCHLINE
SEE SHEET 26

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 A:\LEWIS\mcm\105\U-3338b-EC.upsh.s32.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-71/CONST.33
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -Y16- STA.16+50 SEE SHEET 29



NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL

DO NOT DISTURB FENCE
AND DRIVEWAY WITHIN AUE

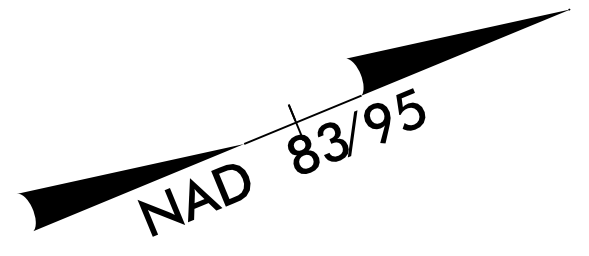
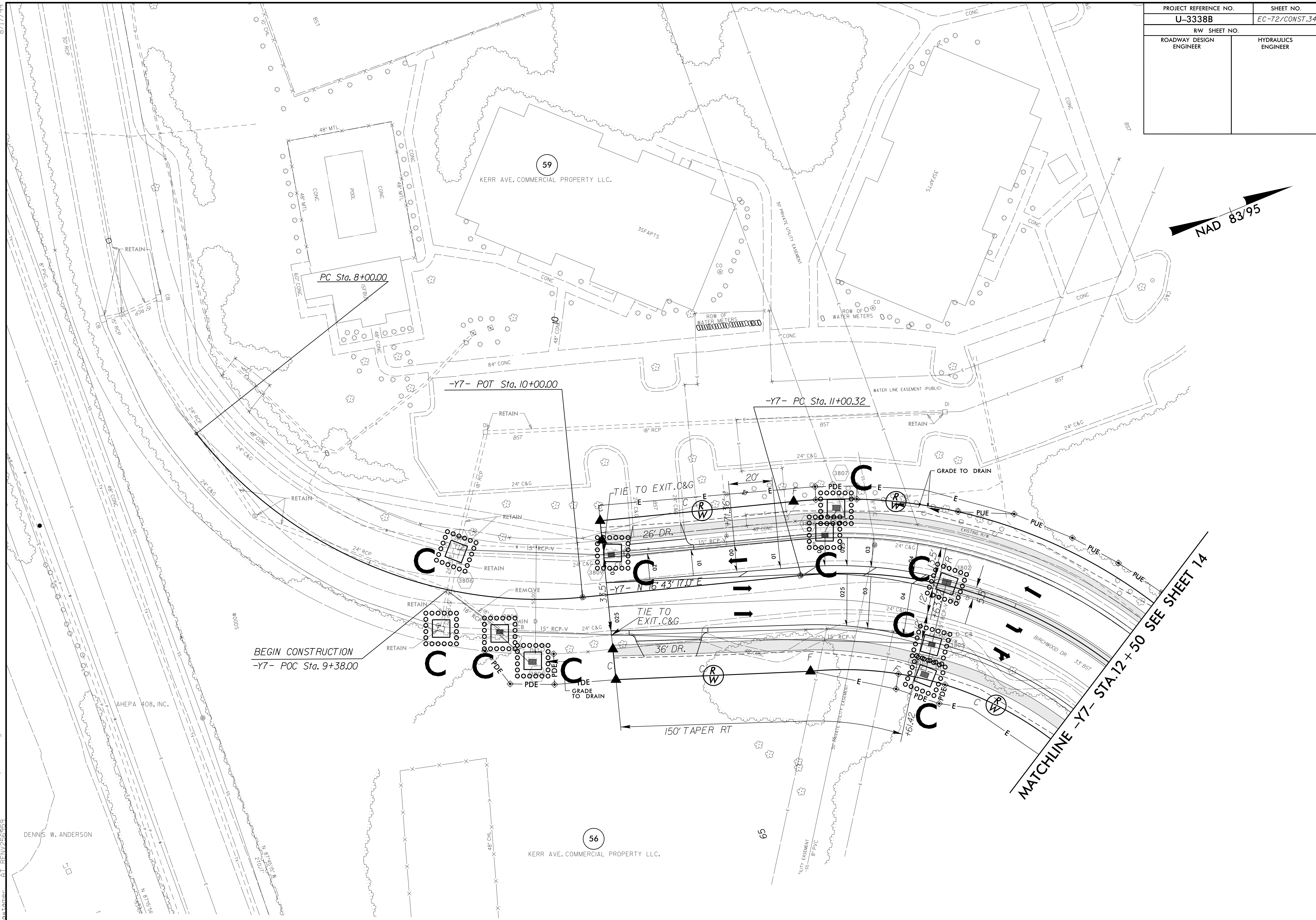
8/17/99

22 JAN-2015 16:14
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A:\LEWIS\working\U-3338b-EC.upsh.s33.dgn

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-72/CONST.34
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

92 JAN-2015 16:16
 R:\enviro\mgn\proj\U-3338b-EC.upsh.s34.dgn
 DENNIS W. ANDERSON



MATCHLINE -Y7- STA.12+50 SEE SHEET 14

BEGIN CONSTRUCTION
 -Y7- POC Sta. 9+38.00

PC Sta. 8+00.00

-Y7- POT Sta. 10+00.00

-Y7- PC Sta. 11+00.32

56

59

KERR AVE. COMMERCIAL PROPERTY LLC.

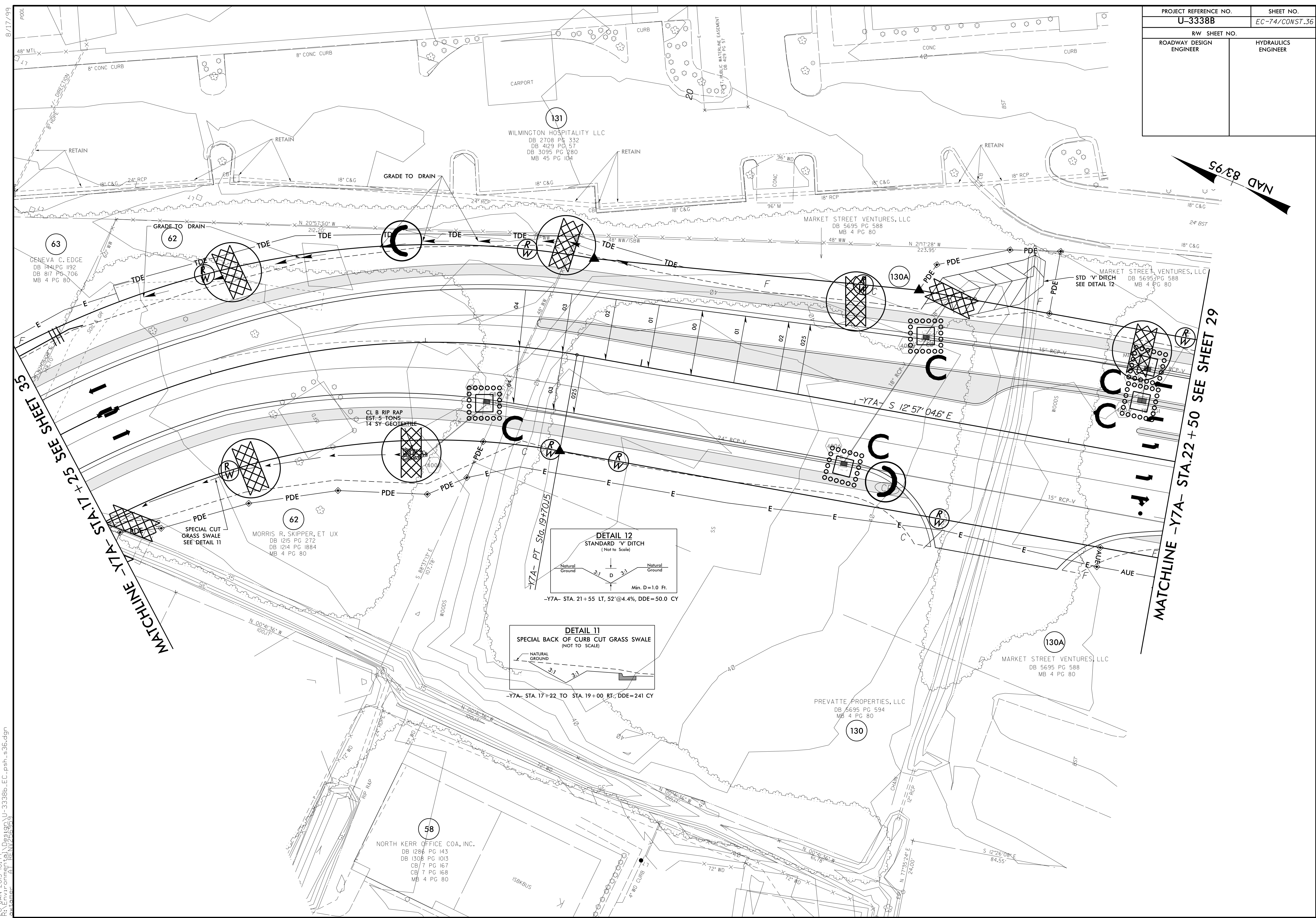
KERR AVE. COMMERCIAL PROPERTY LLC.

AHEPA 408, INC.

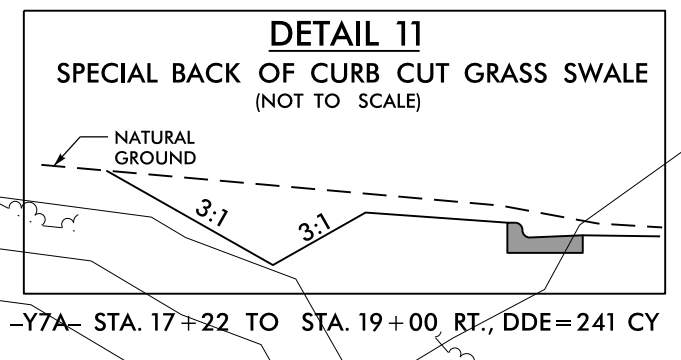
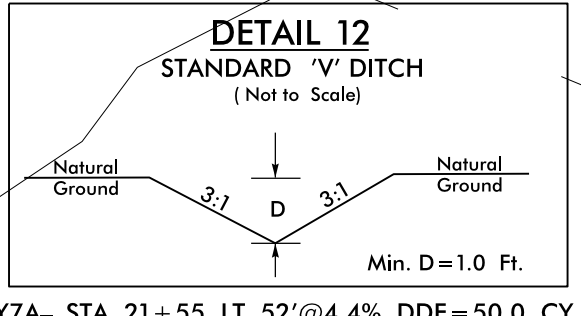
DENNIS W. ANDERSON

PROJECT REFERENCE NO. U-3338B	SHEET NO. EC-74/CONST.36
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99



26 JAN. 2015 10:44
 D:\as\pca\U-3338b-EC.upsh.s36.dgn
 AT:LE:\ir-omagn\DR\N\251919.dwg



GENEVA C. EDGE
 DB 144 PG 1192
 DB 817 PG 706
 MB 4 PG 80

63

62

62

58

131

130A

130

130A

NAD 83/95

WILMINGTON HOSPITALITY LLC
 DB 2708 PG 332
 DB 4129 PG 57
 DB 3095 PG 280
 MB 45 PG 104

MARKET STREET VENTURES, LLC
 DB 5695 PG 588
 MB 4 PG 80

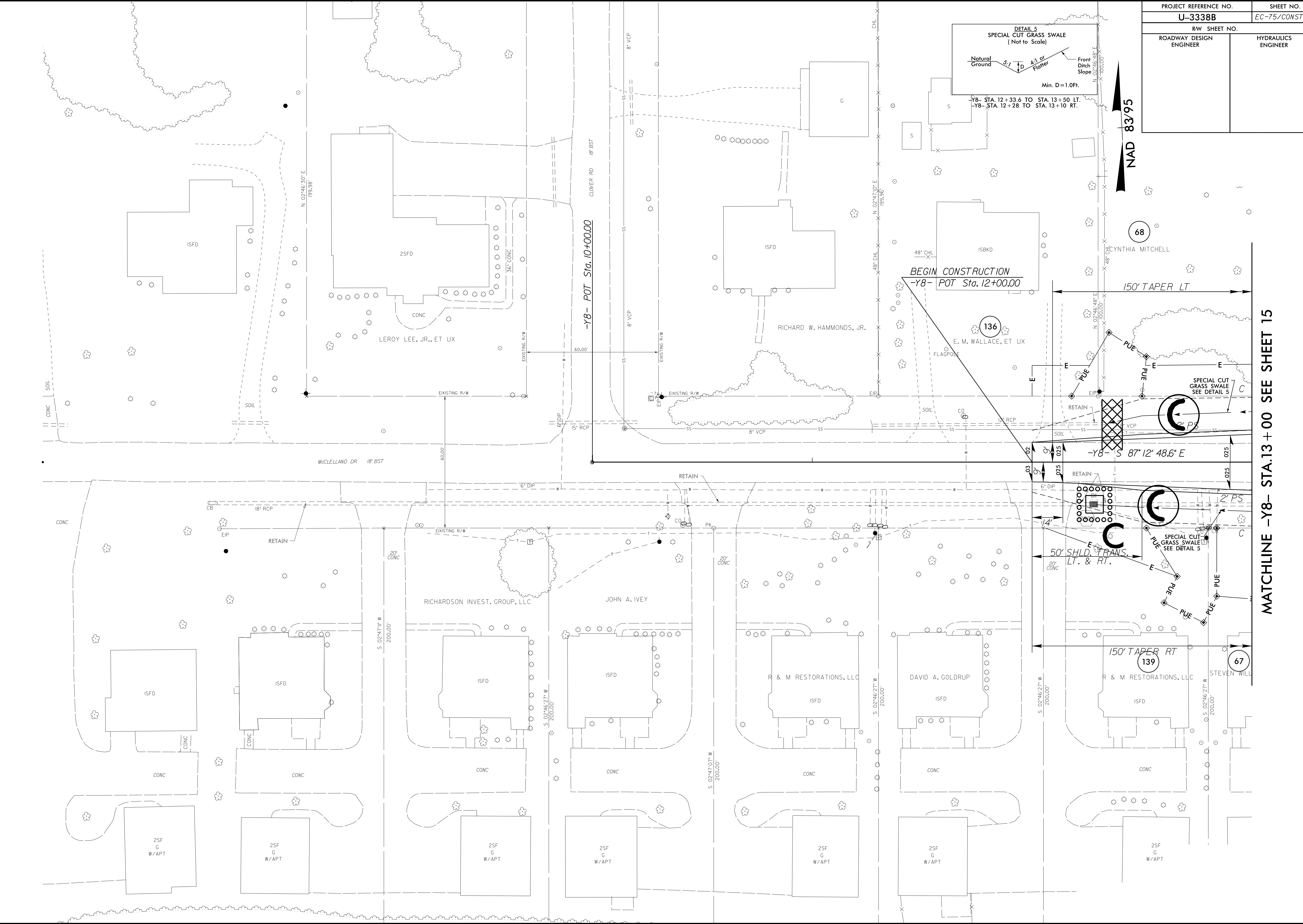
MARKET STREET VENTURES, LLC
 DB 5695 PG 588
 MB 4 PG 80

MORRIS R. SKIPPER, ET UX
 DB 1215 PG 272
 DB 1214 PG 1884
 MB 4 PG 80

PREVATTE PROPERTIES, LLC
 DB 5695 PG 594
 MB 4 PG 80

NORTH KERR OFFICE COA, INC.
 DB 1286 PG 143
 DB 1308 PG 1013
 CB 7 PG 167
 CB 7 PG 168
 MB 4 PG 80

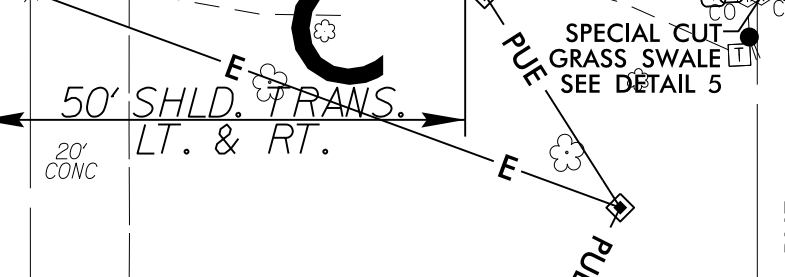
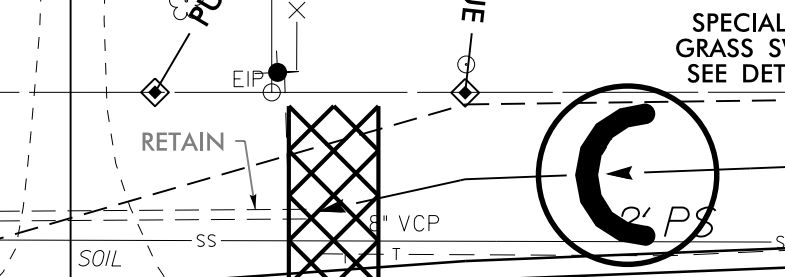
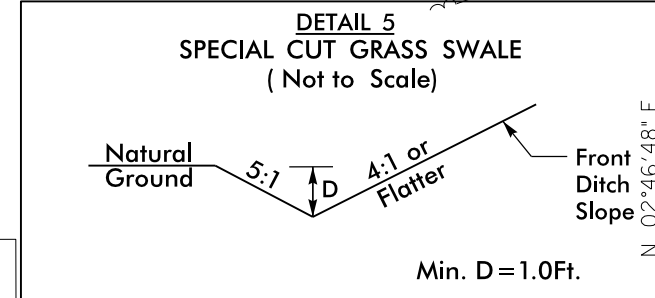
PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-75/CONST.37
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NAD 83/95

MATCHLINE -Y8- STA.13+00 SEE SHEET 15

BEGIN CONSTRUCTION
-Y8- POT Sta. 12+00.00



68

136

139

67

CYNTHIA MITCHELL

RICHARD W. HAMMONDS, JR.

E. M. WALLACE, ET UX

LEROY LEE, JR., ET UX

RICHARDSON INVEST. GROUP, LLC

JOHN A. IVEY

R & M RESTORATIONS, LLC

DAVID A. GOLDRUP

R & M RESTORATIONS, LLC

STEVEN WILL

ISFD

ISFD

2SF

CONC

ISFD

ISBKD

CONC

ISFD

ISFD

ISFD

ISFD

ISFD

ISFD

ISFD

ISFD

ISFD

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CONC

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CONC

2SF G W/APT

2SF G W/APT

2SF G W/APT

2SF G W/APT

2SF G W/APT

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2SF G W/APT

CONC

CONC

CONC

CONC

CONC

CONC

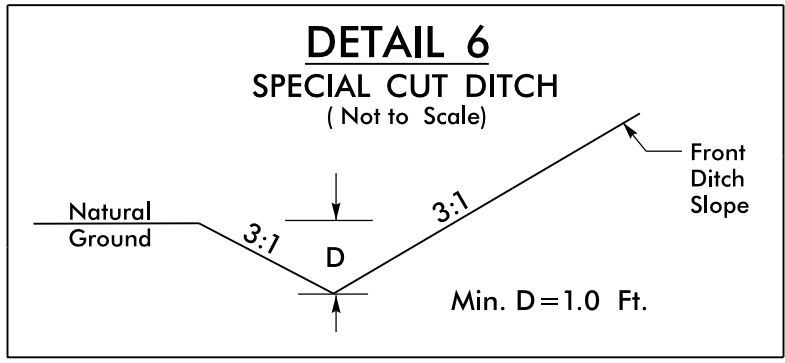
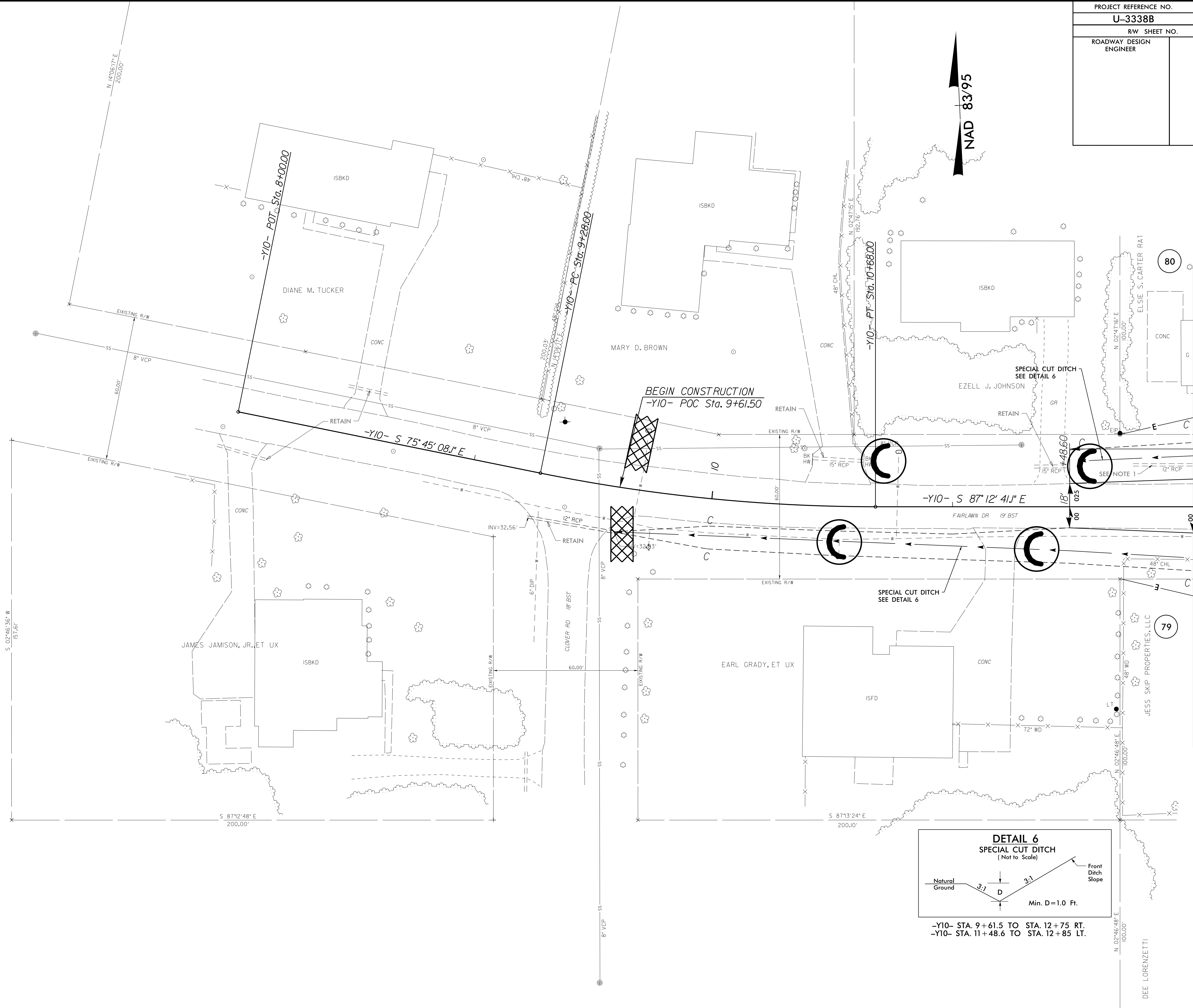
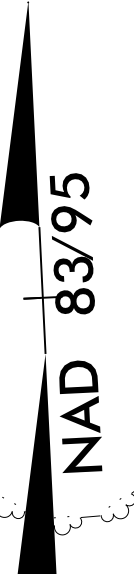
CONC

CONC

CONC

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-77/CONST.39
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE 1:
PLUG AND FILL FULL
WITH FLOWABLE FILL



-Y10- STA. 9+61.5 TO STA. 12+75 RT.
-Y10- STA. 11+48.6 TO STA. 12+85 LT.

MATCHLINE -Y10- STA.12+00 SEE SHEET 16

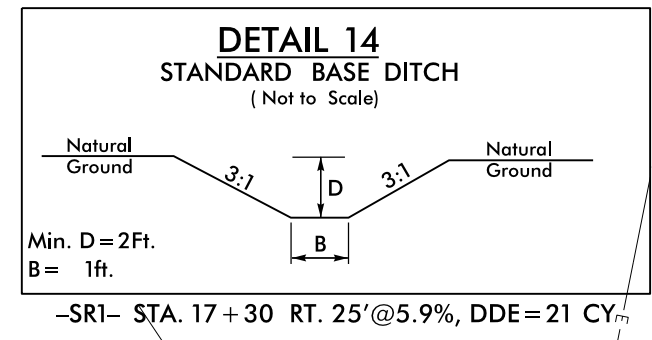
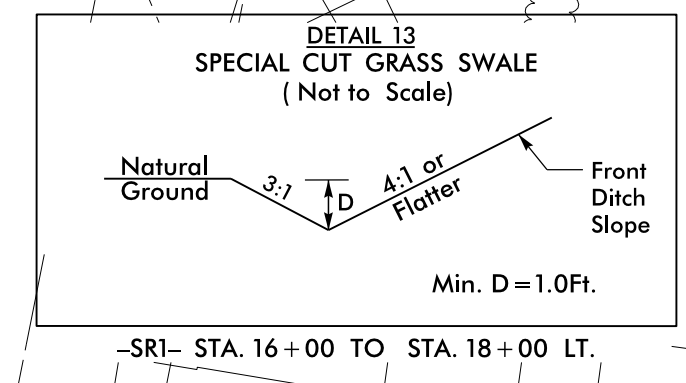
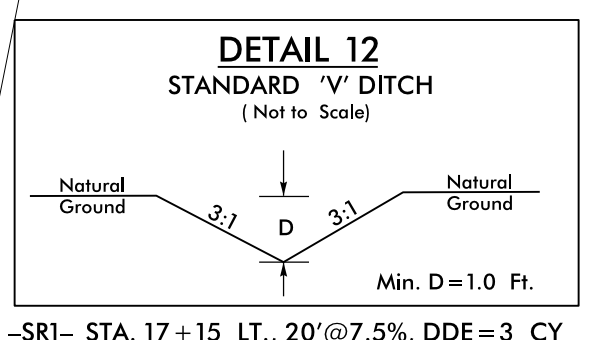
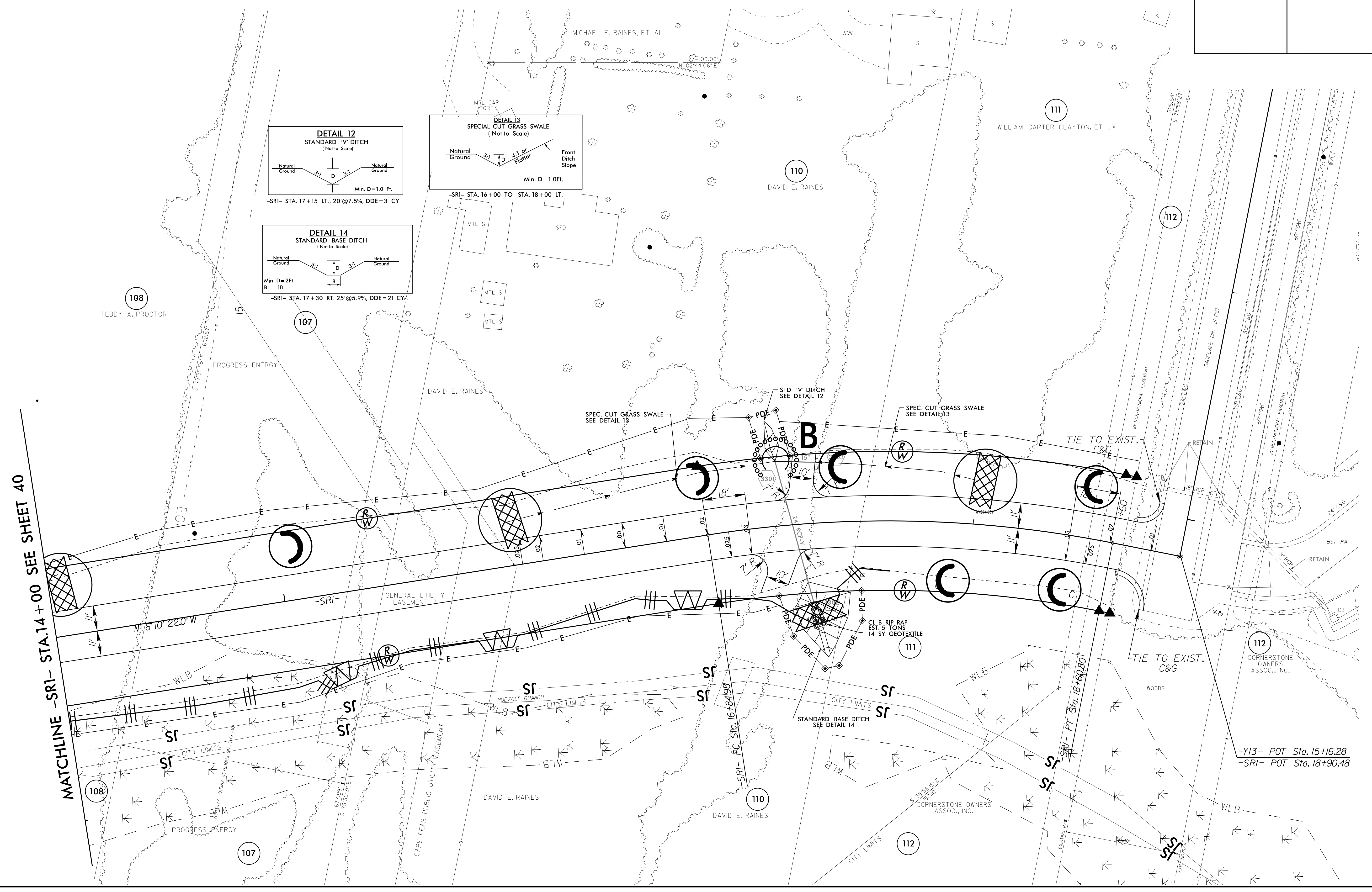
DEE LORENZETTI

8/17/99

02 JAN-2015 16:30 \\d:\projects\U-3338b-EC.psh.s39.dgn
R:\env\romer\REF\U-3338B

PROJECT REFERENCE NO.	SHEET NO.
U-3338B	EC-79/CONST.41
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/95



MATCHLINE -SRI- STA.14+00 SEE SHEET 40

8/17/99
9/21 JAN-2015 16:33
R:\LEWIS\PROJECTS\U-3338B\EC.upsh.s41.dgn
R:\LEWIS\PROJECTS\U-3338B\EC.upsh.s41.dgn
R:\LEWIS\PROJECTS\U-3338B\EC.upsh.s41.dgn

-Y13- POT Sta. 15+16.28
-SRI- POT Sta. 18+90.48