TIP PROJECT: R-4071

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-4071	EC-1	

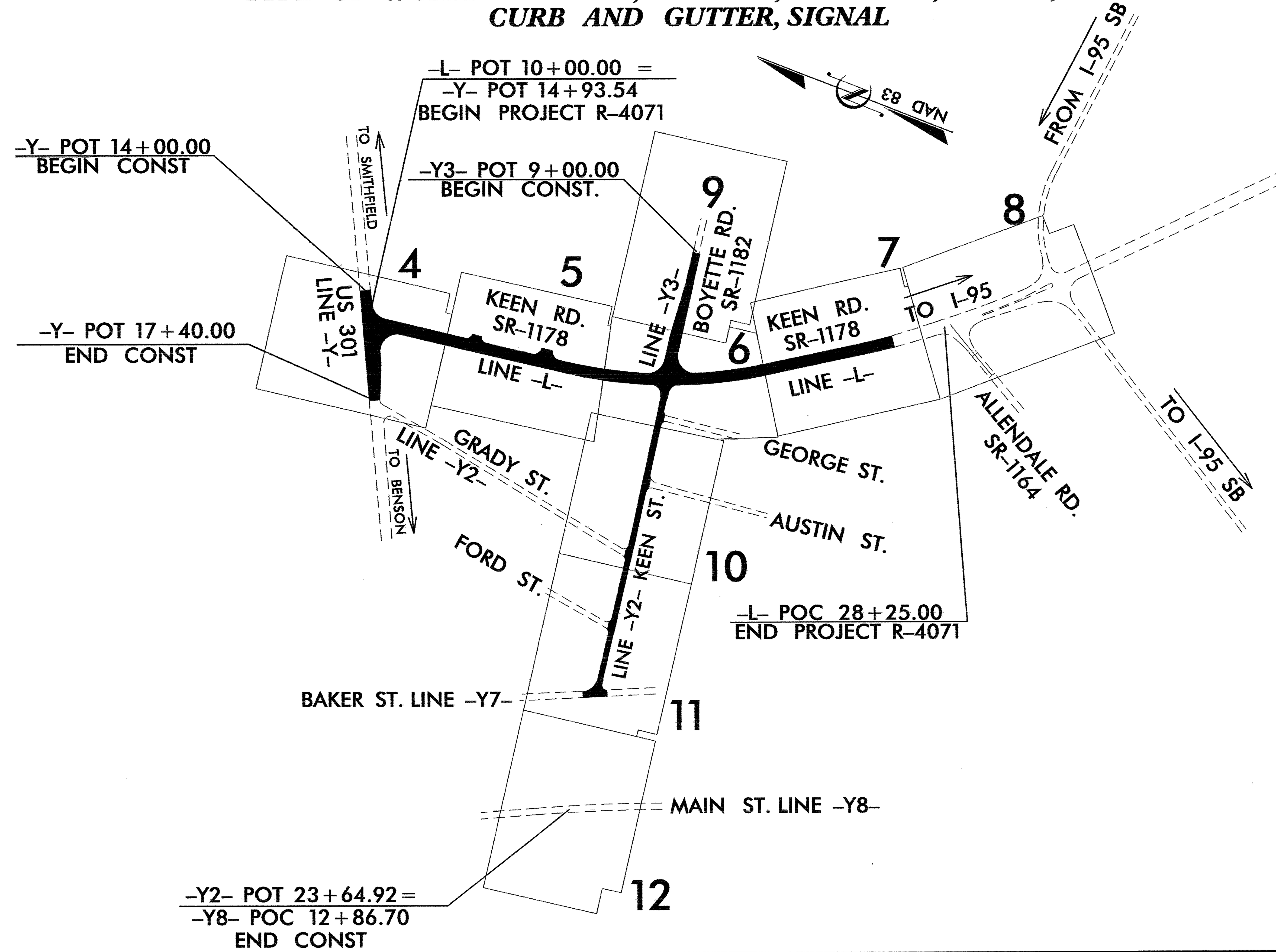
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

PLAN FOR PROPOSED HIGHWAY EROSION CONTROL

JOHNSTON COUNTY

LOCATION: SR 1178 (KEEN ROAD) FROM US-301 TO SR 1164 (ALLENDALE ROAD).

TYPE OF WORK: WIDENING, GRADING, DRAINAGE, PAVING, CURB AND GUTTER, SIGNAL



EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation	
1630.03	Temporary Silt Ditch	
1630.05	Temporary Diversion	
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.01	Riser Basin	
1630.02	Silt Basin Type B	
1633.01	Temporary Rock Silt Check Type-A	
	Temporary Rock Silt Check Type-B	
1634.01	Temporary Rock Sediment Dam Type-A	
1634.02	Temporary Rock Sediment Dam Type-B	
1635.01	Rock Pipe Inlet Sediment Trap Type-A	
1635.02	Rock Pipe Inlet Sediment Trap Type-B	
1630.04	Stilling Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	A
1632.02	Type B	B
1632.03	Type C	C
	Skimmer Basin	
	Tiered Skimmer Basin	

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

THIS PROJECT HAS BEEN DESIGNED TO SENSITIVE WATERSHED STANDARDS.

ENVIRONMENTALLY SENSITIVE AREA(S) EXIST ON THIS PROJECT

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

GRAPHIC SCALE

0
PLANS

0
PROFILE (HORIZONTAL)

0
PROFILE (VERTICAL)

ROADSIDE ENVIRONMENTAL UNIT
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

Prepared In the Office of:

ROADSIDE ENVIRONMENTAL UNIT
1 South Wilmington St.
Raleigh, NC 27611

2006 STANDARD SPECIFICATIONS

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 July 18, 2006 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01	Temporary Silt Fence	1630.06	Special Stilling Basin
1607.01	Gravel Construction Entrance	1632.02	Rock Inlet Sediment Trap Type B
1622.01	Temporary Berms and Slope Drains	1633.01	Temporary Rock Silt Check Type A
1630.02	Silt Basin Type B	1634.02	Temporary Rock Sediment Dam Type B
1630.05	Temporary Diversion	1635.02	Rock Pipe Inlet Sediment Trap Type B

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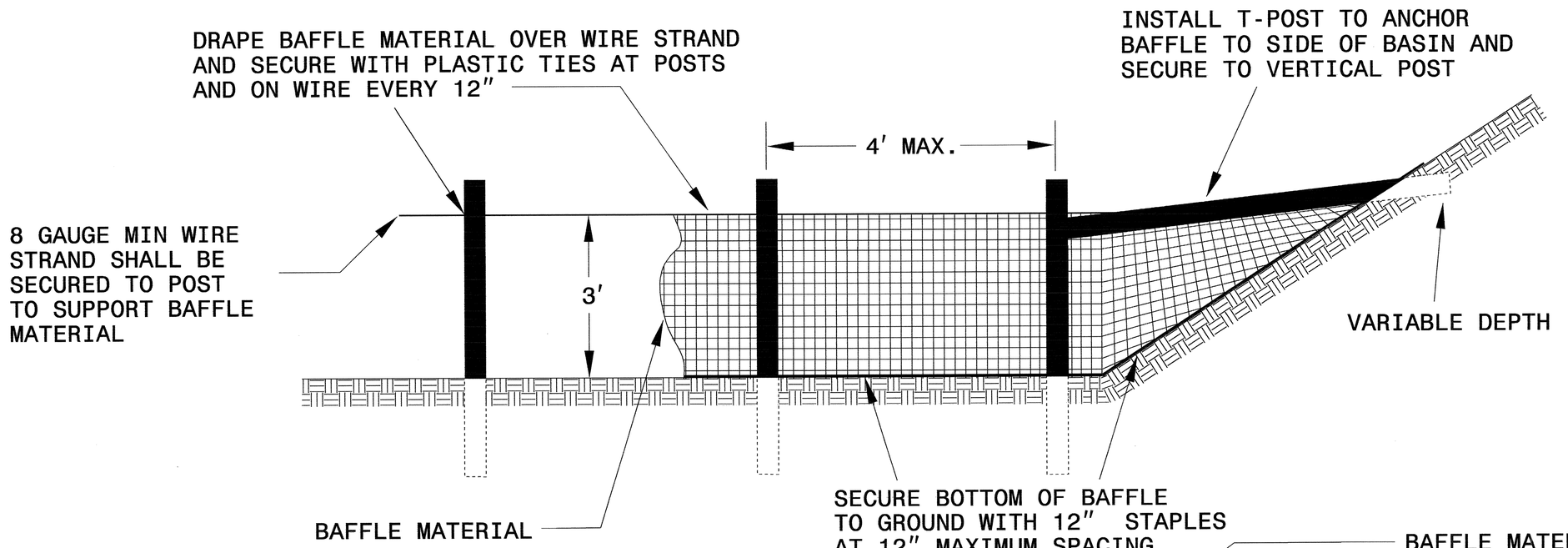
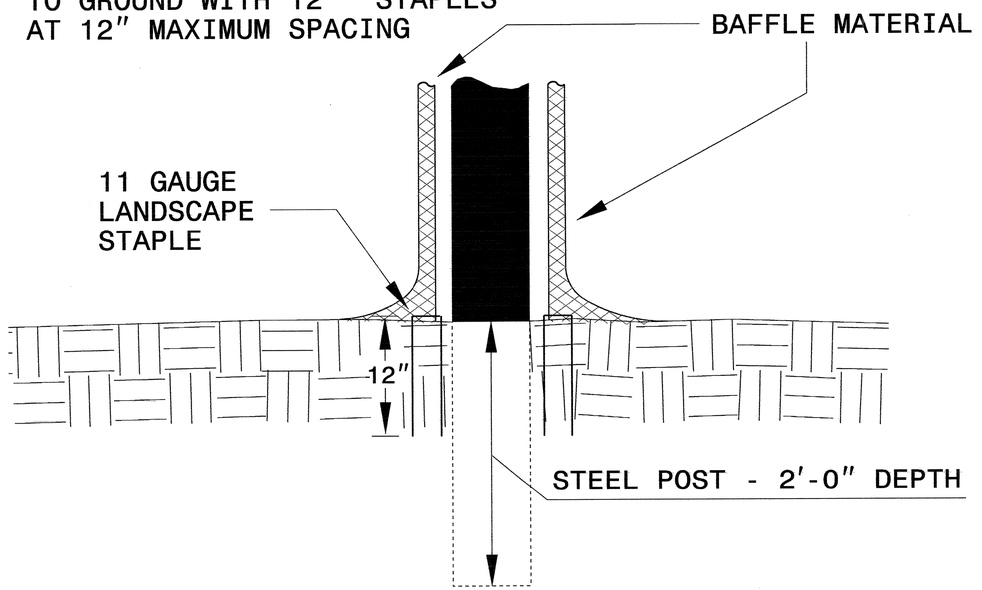
PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

COIR FIBER BAFFLE DETAIL



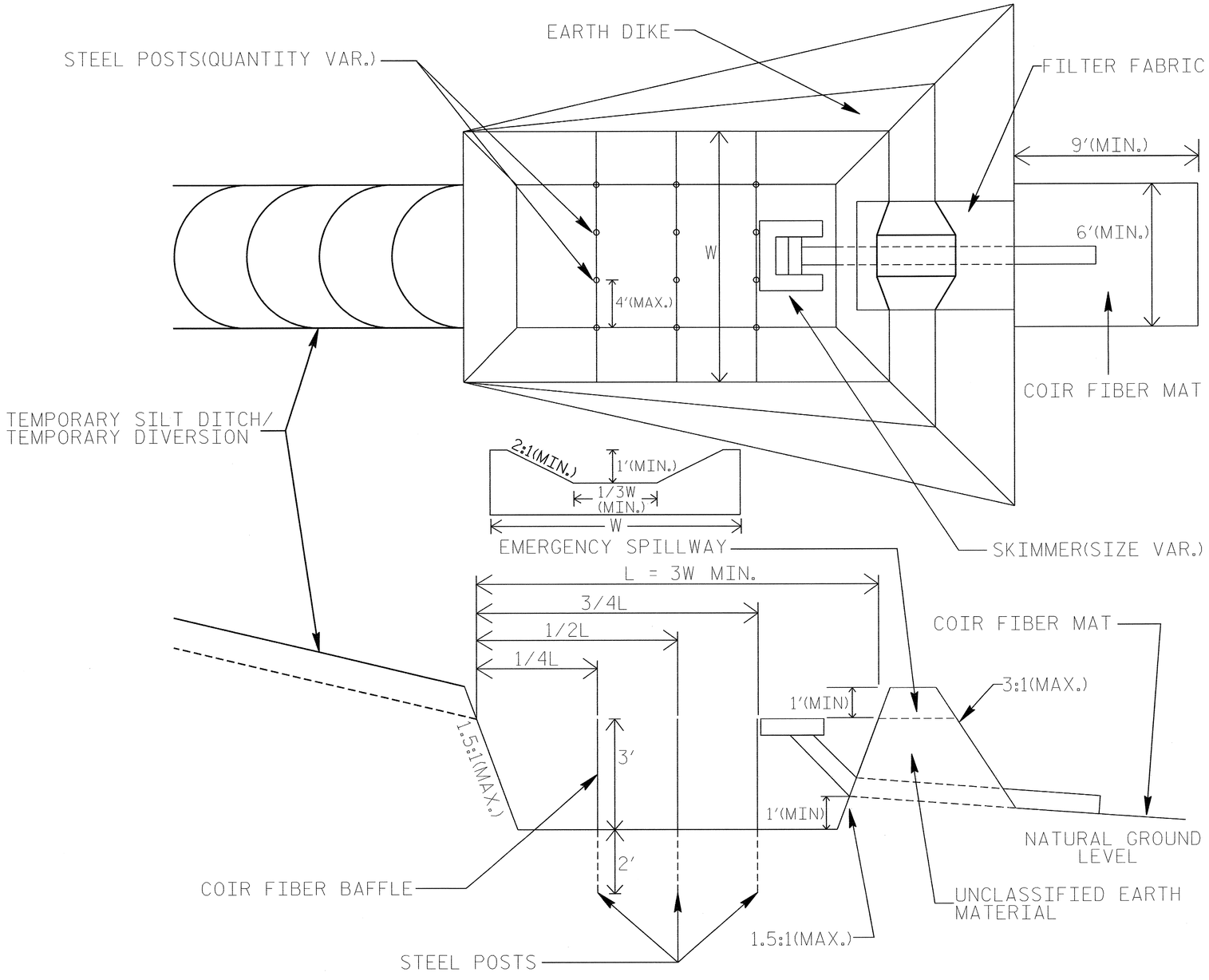


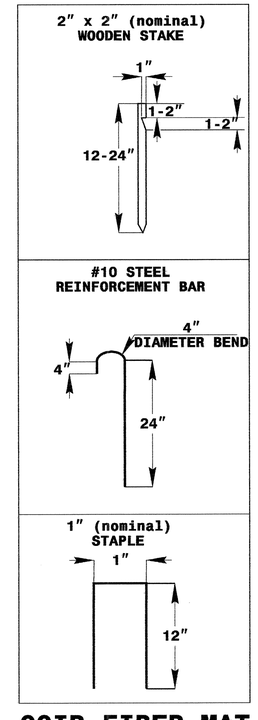
BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 12″ LANDSCAPE STAPLES

NOTE: INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF ¼ THE BASIN LENGTH. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 20 FT. IN LENGTH WITH A SPACING OF 1/3 THE BASIN LENGTH.

SKIMMER BASIN WITH BAFFLES DETAIL

PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-2A
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER





COIR FIBER MAT ANCHOR OPTIONS

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)
4	L	10+25	12+50	LT	290
9	Y3	10+00	12+00	RT	140
9	Y3	10+00	12+50	RT-OUTER	365
				SUBTOTAL	795
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					315
				TOTAL	1110
				SAY	1110

MATTING FOR EROSION CONTROL

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SY)


PROJECT REFERENCE NO. R-4071
SHEET NO. EC-4/CONST.4
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
EXISTING SIGNAL TO BE UPGRADED
FOR -L- PROFILE, SEE SHEET NO. 13
FOR -Y- PROFILE, SEE SHEET NO. 15
DETAIL A
SPECIAL LATERAL GRASSED SWALE
(Not to Scale)
Natural Ground
3:1 or Flatter
Fill Slope
Min. D = 1.5 Ft.
B = 2.0 Ft.
FROM STA. 10+25 -L- LT. TO STA. 12+50 -L- LT.
FROM STA. 16+72 -L- LT. TO STA. 19+00 -L- LT.
SPECIAL LATERAL GRASSED SWALE SEE DETAIL 'A'
-Y- POT 14+00.00
BEGIN CONST
-L- POT 10+00.00 =
-Y- POT 14+93.55
BEGIN PROJECT R-4071
-Y- POT 17+40.00
END CONST
-Y- POT 17+56.52 =
-Y1- POT 10+00.00
-Y1- PC 10+46.03
NAD 83
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.
FOUR OAKS BANK & TRUST
DB 918 PG 87
WILLIAM JOSEPH EDWARDS
TRADE OIL COMPANY
BRENDA S. BAREFOOT
DB 2787 PG 853
CARRIN L. WALKER
DB 1904 PG 87
MASSENGILL, MAVIS ANN
DB 803 PG 708
MCLAMB, ANTHONY W. & DONNA RENEE
DB 1519 PG 854
S 63°43'01.3" W
S 8°14'00" E
S 3°02'04.0" W
KEEN RD. SR-1178
US 301
PROP 5' CONC SIDEWALK
110' TAPER
2 TONS CLASS 'B' RIP RAP
7 SY FILTER FABRIC
MATCHLINE -L- 12+50.00 SEE SHEET 5
8600 / 16000
ADT 2004 / 2025
2800 / 5200
6000 / 11600
US 301
3200 / 6400
SR 1178 KEEN RD.
9000 / 17200
DATUM DESCRIPTION
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "12704-1"
WITH NAD 83 STATE PLANE GRID COORDINATES OF
NORTHING: 612598.5189(ft) EASTING: 2169588.922(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99987440
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29
LINE -Y1-
PI Sta 10+92.72
Δ = 6°40'48.0" (RT)
D = 7°09'43.1"
L = 93.27'
T = 46.69'
R = 800.00'
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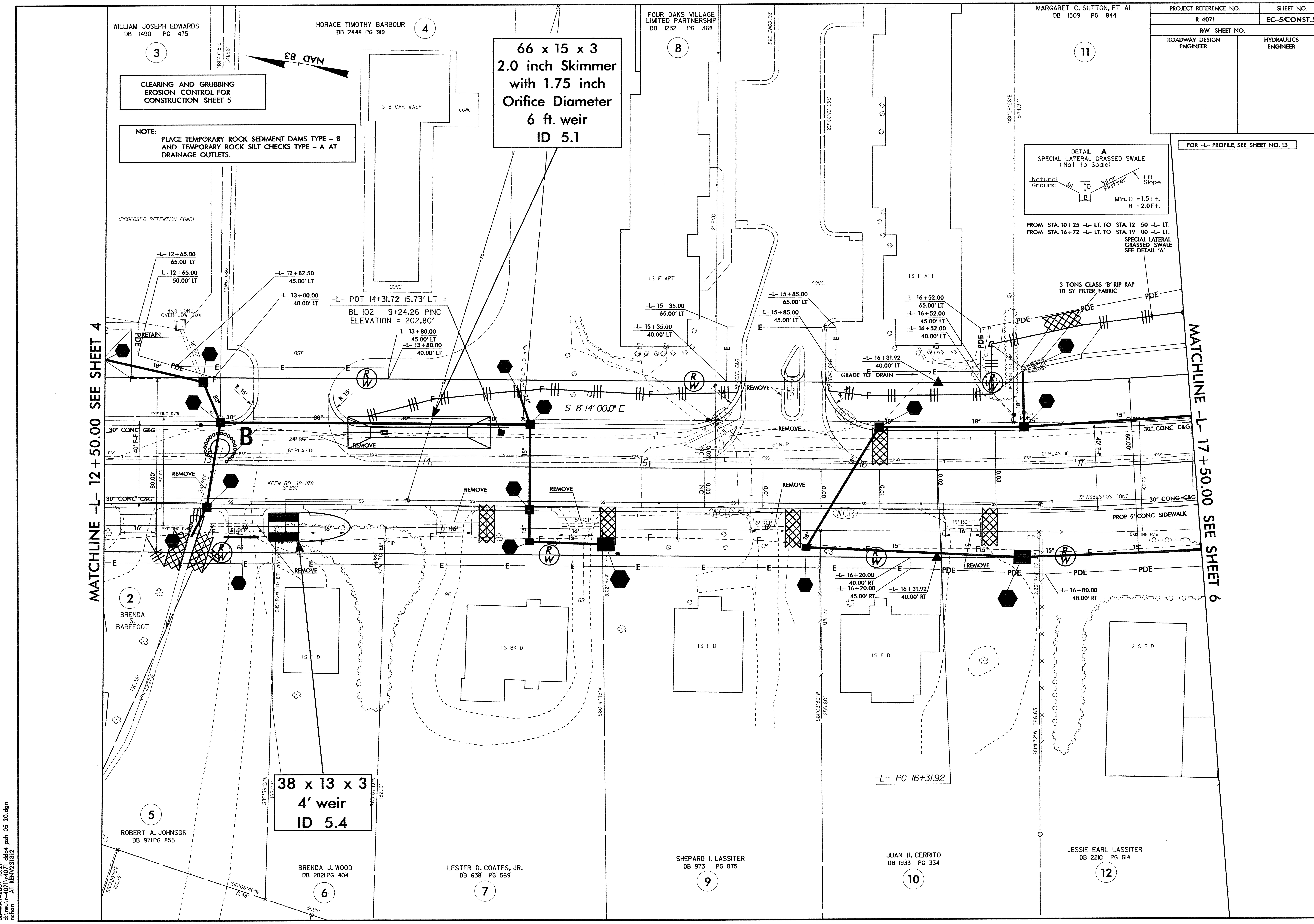
nchan AT RENV231812



PROJECT REFERENCE NO. R-4071
SHEET NO. EC-5/CONST.5
RW SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
FOR -L- PROFILE, SEE SHEET NO. 13
66 x 15 x 3
2.0 inch Skimmer
with 1.75 inch
Orifice Diameter
6 ft. weir
ID 5.1
38 x 13 x 3
4' weir
ID 5.4
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.
DETAIL A
SPECIAL LATERAL GRASSED SWALE
(Not to Scale)
Min. D = 1.5 Ft.
B = 2.0 Ft.
FROM STA. 10+25 -L- LT. TO STA. 12+50 -L- LT.
FROM STA. 16+72 -L- LT. TO STA. 19+00 -L- LT.
SPECIAL LATERAL GRASSED SWALE SEE DETAIL 'A'
3 TONS CLASS 'B' RIP RAP
10 SY FILTER FABRIC
MATCHLINE -L- 12+50.00 SEE SHEET 4
MATCHLINE -L- 17+50.00 SEE SHEET 6
-L- POT 14+31.72 15.73' LT =
BL-102 9+24.26 PINC
ELEVATION = 202.80'
S 8°14' 00.0" E
KEEN RD. SR-1178
-L- PC 16+31.92
WILLIAM JOSEPH EDWARDS DB 1490 PG 475
HORACE TIMOTHY BARBOUR DB 2444 PG 919
FOUR OAKS VILLAGE LIMITED PARTNERSHIP DB 1232 PG 368
MARGARET C. SUTTON, ET AL DB 1509 PG 844
BRENDA S. BAREFOOT
ROBERT A. JOHNSON DB 971 PG 855
BRENDA J. WOOD DB 2821 PG 404
LESTER D. COATES, JR. DB 638 PG 569
SHEPARD I. LASSITER DB 973 PG 875
JUAN H. CERRITO DB 1933 PG 334
JESSIE EARL LASSITER DB 2210 PG 614
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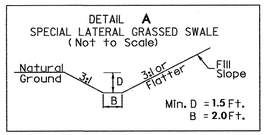
PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-6/CONST.6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FOR -L- PROFILE, SEE SHEET NO. 14
FOR -Y2- PROFILE, SEE SHEET NO. 16
FOR -Y3- PROFILE, SEE SHEET NO. 15

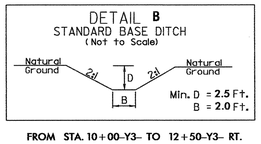
DETAIL A
SPECIAL LATERAL GRASSED SWALE
(Not to Scale)



Min. D = 1.5 Ft.
B = 2.0 Ft.

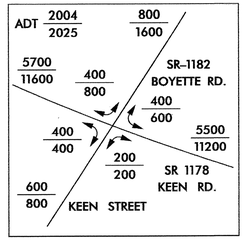
FROM STA. 10+25 -L- LT. TO STA. 12+50 -L- LT.
FROM STA. 16+72 -L- LT. TO STA. 19+00 -L- LT.

DETAIL B
STANDARD BASE DITCH
(Not to Scale)



Min. D = 2.5 Ft.
B = 2.0 Ft.

FROM STA. 10+00-Y3- TO 12+50-Y3- RT.



36 x 13 x 3
4' weir
ID 6.2

35 x 13 x 3
4' weir
ID 6.9

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.

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nchan AT REN/231812

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PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-7/CONST.7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FOR -L- PROFILE, SEE SHEET NO. 14

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.

NAD 83

39 x 6 x 3
4' weir
ID 7.1

42 x 6 x 3
4' weir
ID 7.2

22 x 10 x 3
4' weir
ID 7.3

DEBORAH A. RAYNOR
DB 1913 PG 446
19

JOSEPHINE L. RAYNOR
DB 2377 PG 674

JOSEPHINE L. RAYNOR
DB 2377 PG 674

JOSEPHINE L. RAYNOR
DB 2377 PG 674

ALBERT, SR. & BREWER, SR.
DB 1447 PG 875
DB 2010 PG 860
18

MICHAEL SHERMAN
DB 2861 PG 801
20

NEAL P. KEENE
DB 2966 PG 341
21

NABIL ABDELSALAM QADOURA,
DB 2377 PG 676

-L- PT 22+61.23

-L- PC 25+53.00

-L- 22+61.23
45.00' LT

-L- 22+61.23
40.00' LT

-L- 23+80.00
40.00' LT

-L- 23+89.98
45.00' LT

-L- 23+89.99 LINE
40.00' LT

-L- PROPERTY LINE
40.06' LT

-L- 23+95.31
40.13' LT

-L- 25+94.80
42.66' LT

-L- 22+61.23
35.00' RT

-L- 23+10.00
40.00' RT

-L- PROPERTY LINE
35.00' RT

-L- PROPERTY LINE
40.00' RT

-L- 22+95.00
35.00' RT

-L- 22+90.00
45.00' RT

-L- 22+60.00
38.00' RT

-L- 25+27.78
46.58' RT

-L- 25+01.80
45.00' RT

-L- PROPERTY LINE
40.00' RT

-L- PROPERTY LINE
46.95' RT

-L- 24+80.00
40.00' RT

-L- 25+94.80
45.93' RT

S 56°30'06" W
R/W TO EIP 0.41'

S 55°19'21" W

S 59°56'18" W
EIP 10.8'/R/W 4.75'

N 61°07'19" E
R/W TO EIP 5.01'

S 33° 24' 20.0" E

KEEN RD. (SR 1178) 21' BST

30" CONC C&G

3" ASBESTOS CONC

6" PLASTIC

2" PVC

6"DI

PROP 5' CONC SIDEWALK

EXISTING R/W

REMOVE

ISBKD

ISBD

GR

EIP

AXLE

23+40.00

MATCHLINE -L- 22+50.00 SEE SHEET 6

MATCHLINE -L- 27+50.00 SEE SHEET 8

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nchan AT RENV231812

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PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-8/CONST.8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CHARLES EDWARD UPCHURCH
DB 858 PG 8

EDNA S. KEENE
DB 1089 PG. 165

ISBKD

ISBLKD

NAD 83

-L- POC 28+25.00
END PROJECT R-4071

PI Sta 28+91.67
△ = 13° 05' 10.0" (LT)
D = 1° 56' 25.5"
L = 674.40'
T = 338.67'
R = 2,952.75'

-L- PT 32+27.39

MATCHLINE +/- 27+50.00 SEE SHEET 7

28 29 30 31 32

FSS SS W

PROP 5' CONC SIDEWALK

HTR

PEGGY HOCKADAY
DB 569 PG. 601
PB 41 PG. 103

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.

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nchan AT REN\231812

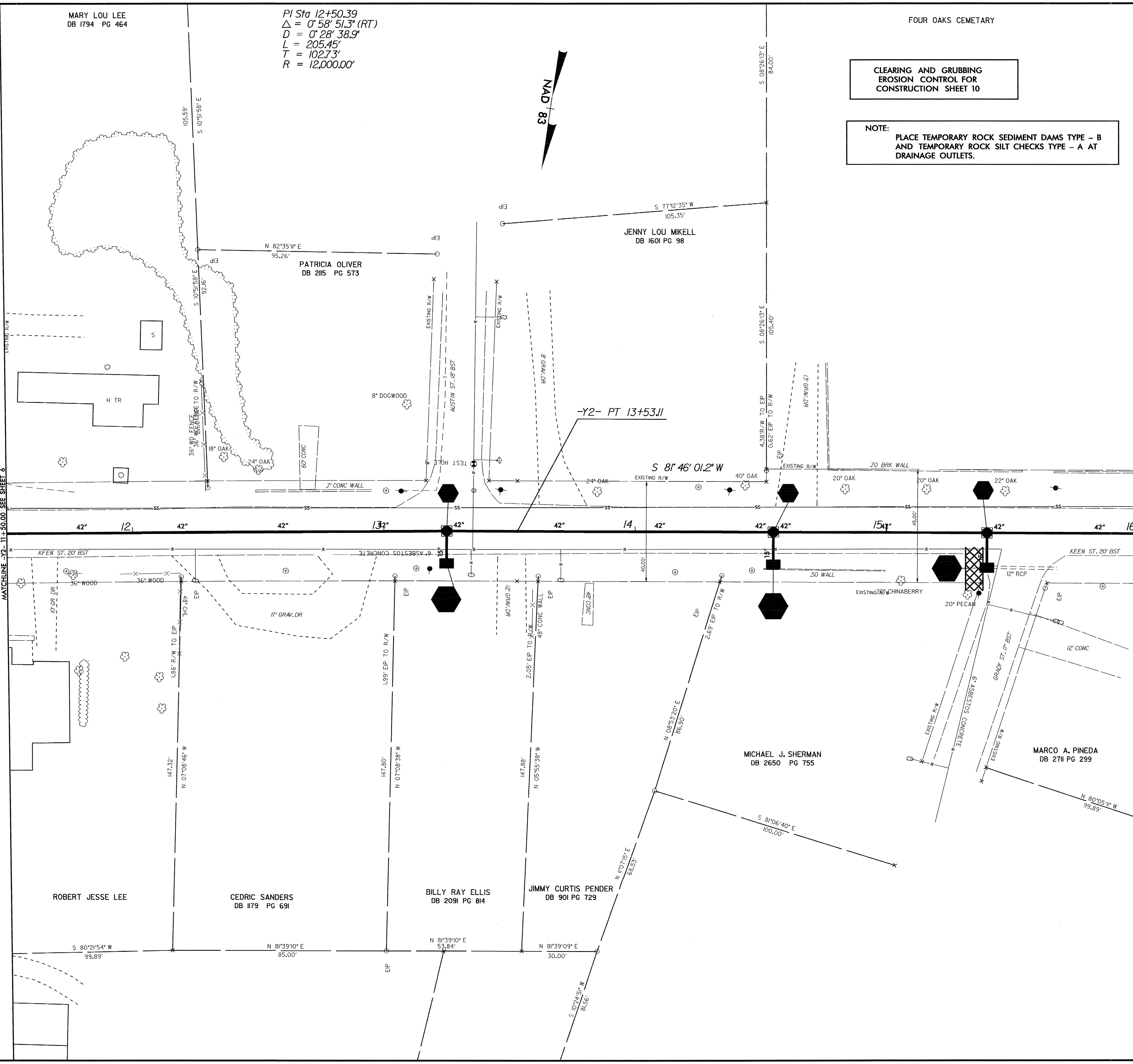

PROJECT REFERENCE NO.
SHEET NO.
R-4071
EC-9/CONST.9
RW SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
FOR -Y3- PROFILE, SEE SHEET NO. 15
CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.
ALBERT HOLLOWAY HALL, III
22
WILLIAM
CHARLES
MITCHELL
14
-Y3- POT 9+00.00
BEGIN CONST
-Y3- 10+00.00
30.00' LT
-Y3- 11+00.00
35.00' LT
REMOVE
S 81° 31' 43.0" W
EXISTING R/W
SR-1182 BOYETTE RD.
20' BST
MATCHLINE -Y3- 11+50.00 SEE SHEET 6
-Y3- 9+50.00
30.00' RT
-Y3- 9+50.00
40.00' RT
-Y3- 9+75.00
40.00' RT
160' TAPER
5 TONS CLASS 'B' RIP RAP
14 SY FILTER FABRIC
-Y3- 10+33.00
75.00' RT
STANDARD BASE DITCH
SEE DETAIL 'B'
PROP 48"
CHAIN LINK
FENCE
-Y3- 10+28.09
185.00' RT
PDE
NAD '83
11
DETAIL B
STANDARD BASE DITCH
(Not to Scale)
Natural Ground
Min. D = 2.5 Ft.
B = 2.0 Ft.
FROM STA. 10+00-Y3- TO 12+50-Y3- RT.
MARGARET C. SUTTON, ET AL
DB 1509 PG 844
08-MAY-2007 11:53
nchan AT RENV231812

HP4500

PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-10/CONST.10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 10

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



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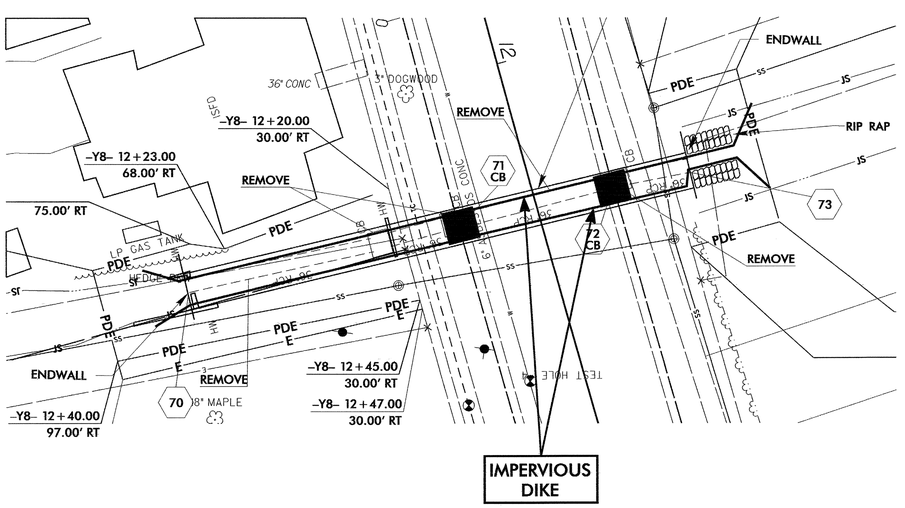
nchan AT RENV231812

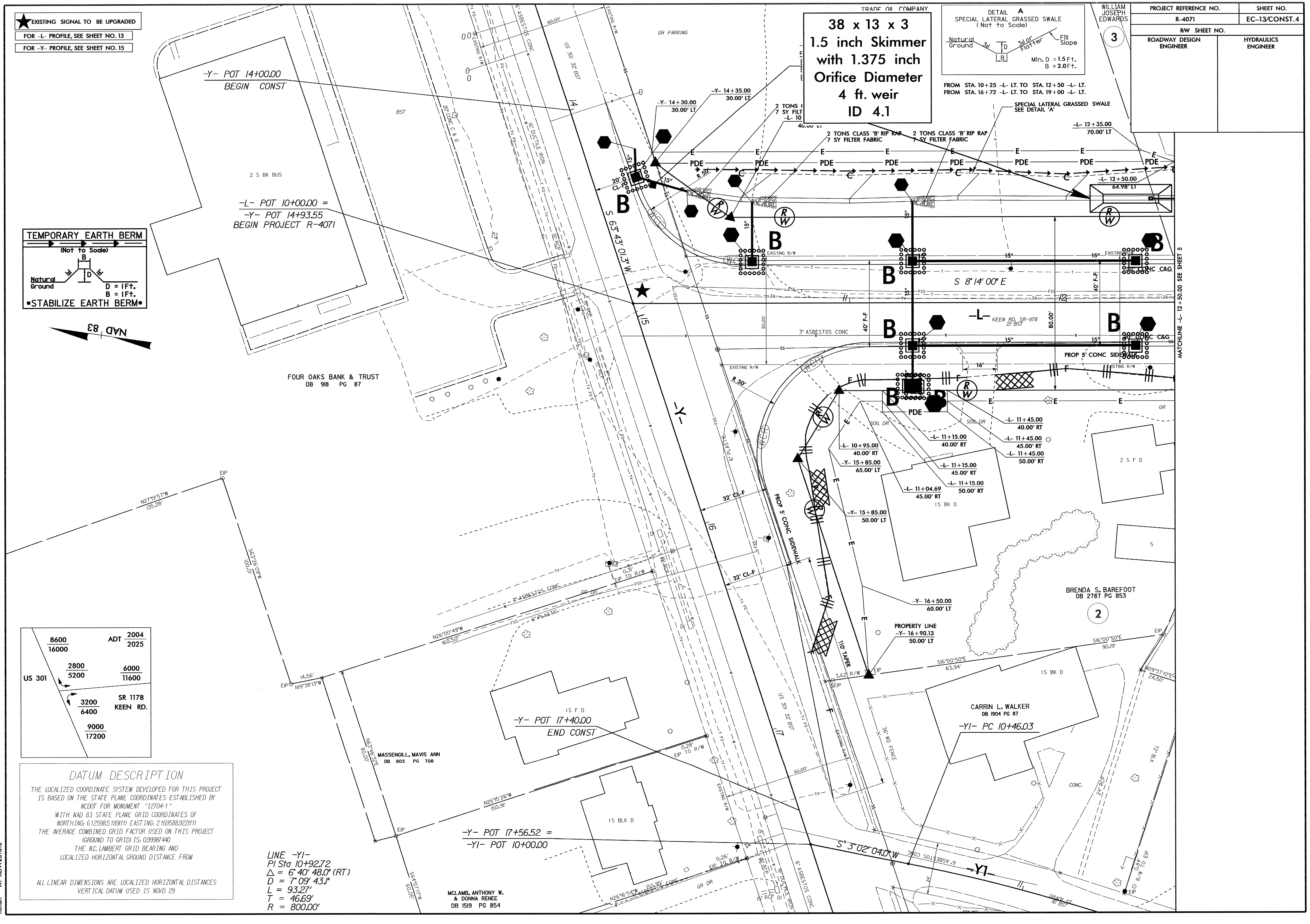

PROJECT REFERENCE NO.
R-4071
SHEET NO.
EC-12/CONST.12
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
PI Sta 11+93.37
Δ = 4° 25' 46.0" (LT)
D = 1° 08' 45.3"
L = 386.54'
T = 193.37'
R = 5,000.00'
NAD 83
TERRY BROWN
DB 817 PG 166
27
JAMES E. BAREFOOT
DB 2648 PG 427
23
GENIA LYNN STANLEY, ET AL
DB 2459 PG 585
25
HICO PROPERTIES, LLC
DB 3037 PG 495
24
RAMON MONTOYO
DB 2205 PG 480
26
HOMER C. BROWN
DB 689 PG 283
TERRY W. BROWN
DB PG UNKNOWN
UNKNOWN
WOODS
1@ 95" X 67" CM PIPE ARCH
RIP RAP
SEE DETAIL 'C'
ENDWALL
REMOVE
PDE
-Y2- POT 23+64.92 =
-Y8- POC 12+86.70
END CONST
-Y8- PT 13+86.54
-Y8- POT 14+54.19
N 25° 47' 15.2" W
MAIN ST. 35' BST
MATCHLINE -Y2- 21+00.00 SEE SHEET 11
DETAIL C
PIPE OUTLET CHANNEL
(Not to Scale)
Length = 10.0'
D = 4.0'
d = 1.5'
Est = 3.0 Tons of Class B RipRap
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.
ENVIRONMENTALLY SENSITIVE AREA
SEE PROJECT SPECIAL PROVISIONS
8/17/99
08-MAY-2007 12:51

PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-12A/CONST12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CONSTRUCTION SEQUENCE

1. REMOVE EXISTING PIPE.
2. INSTALL SPECIAL STILLING BASIN.
3. INSTALL IMPERVIOUS DIKE.
4. CONSTRUCT PROPOSE PIPE ARCH.
5. REMOVE SPECIAL STILLING BASIN AND IMPERVIOUS DIKE.
6. COMPLETE ROADWAY.





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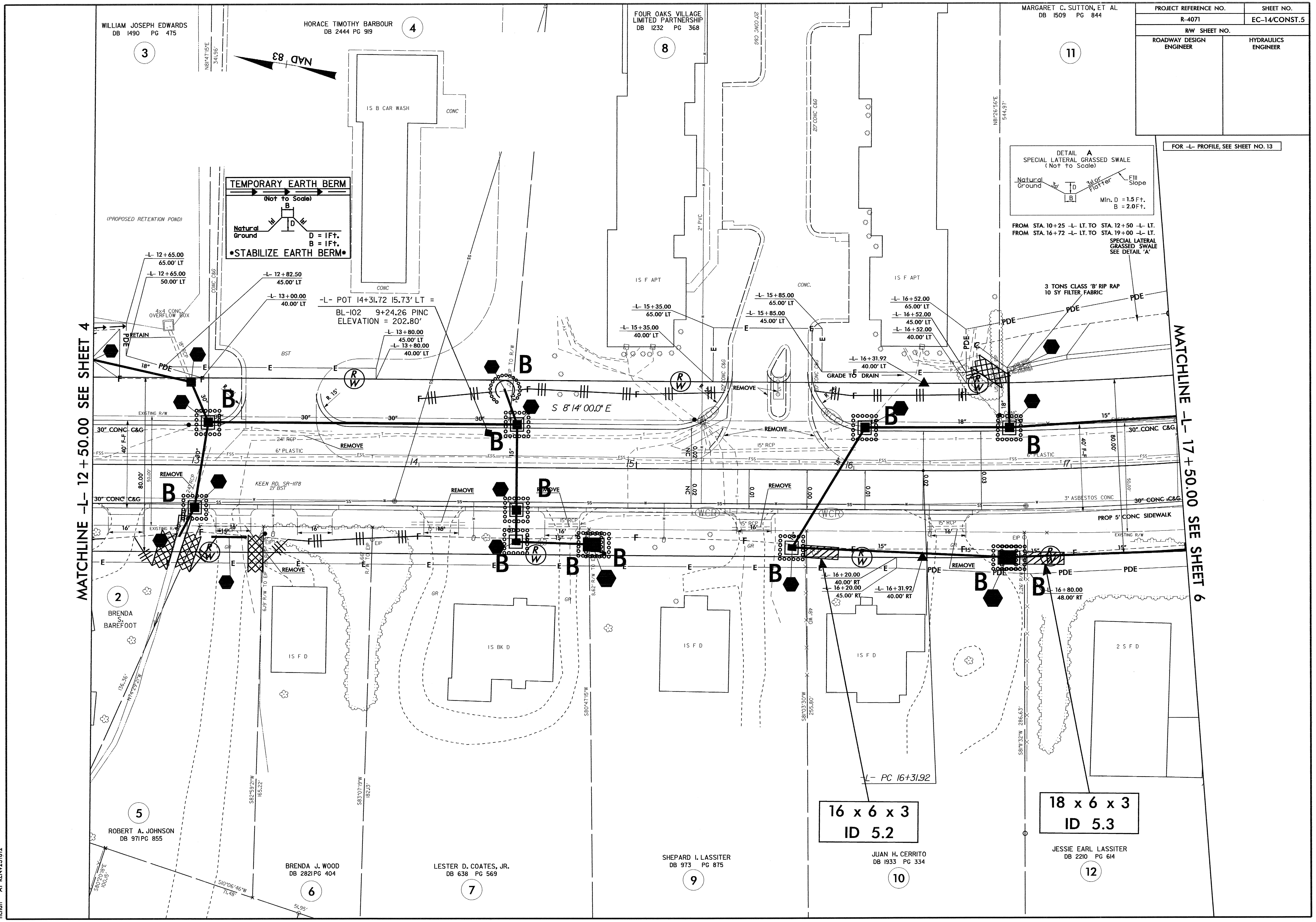
richan AT RENV231812

PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-14/CONST.5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FOR -L- PROFILE, SEE SHEET NO. 13



MATCHLINE -L- 12+50.00 SEE SHEET 4
MATCHLINE -L- 17+50.00 SEE SHEET 6
WILLIAM JOSEPH EDWARDS
DB 1490 PG 475
HORACE TIMOTHY BARBOUR
DB 2444 PG 919
FOUR OAKS VILLAGE LIMITED PARTNERSHIP
DB 1232 PG 368
MARGARET C. SUTTON, ET AL
DB 1509 PG 844
NAD 83
TEMPORARY EARTH BERM
(Not to Scale)
Natural Ground
D = 1Ft.
B = 1Ft.
STABILIZE EARTH BERM
DETAIL A
SPECIAL LATERAL GRASSED SWALE
(Not to Scale)
Natural Ground
Fill Slope
Min. D = 1.5 Ft.
B = 2.0 Ft.
FROM STA. 10+25 -L- LT. TO STA. 12+50 -L- LT.
FROM STA. 16+72 -L- LT. TO STA. 19+00 -L- LT.
SPECIAL LATERAL GRASSED SWALE SEE DETAIL 'A'
3 TONS CLASS 'B' RIP RAP
10 SY FILTER FABRIC
(PROPOSED RETENTION POND)
1 S B CAR WASH
1 S F APT
-L- POT 14+31.72 15.73' LT =
BL-102 9+24.26 PINC
ELEVATION = 202.80'
S 8°14'00.0" E
KEEN RD. SR-1178
GRADE TO DRAIN
PROP 5' CONC SIDEWALK
3" ASBESTOS CONC
-L- PC 16+31.92
16 x 6 x 3
ID 5.2
18 x 6 x 3
ID 5.3
BRENDA S. BAREFOOT
ROBERT A. JOHNSON
DB 971 PG 855
BRENDA J. WOOD
DB 2821 PG 404
LESTER D. COATES, JR.
DB 638 PG 569
SHEPARD I. LASSITER
DB 973 PG 875
JUAN H. CERRITO
DB 1933 PG 334
JESSIE EARL LASSITER
DB 2210 PG 614

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richan AT RENV231812


PROJECT REFERENCE NO. R-4071
SHEET NO. EC-15/CONST.6
RW SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
FOR -L- PROFILE, SEE SHEET NO. 14
FOR -Y2- PROFILE, SEE SHEET NO. 16
FOR -Y3- PROFILE, SEE SHEET NO. 15
UTILIZE AS SILT BASIN DURING CONSTRUCTION.
DETAIL A SPECIAL LATERAL GRASSED SWALE (Not to Scale)
FROM STA. 10+25 -L- LT. TO STA. 12+50 -L- LT.
FROM STA. 16+72 -L- LT. TO STA. 19+00 -L- LT.
DETAIL B STANDARD BASE DITCH (Not to Scale)
FROM STA. 10+00-Y3- TO 12+50-Y3- RT.
23 x 12 x 3
4' weir
ID 6.3
18 x 8 x 3
4' weir
ID 6.4
16 x 8 x 3
4' weir
ID 6.7
37 x 12 x 3
1.5 inch Skimmer
with 1.250 inch
Orifice Diameter
8 ft. weir
ID 6.8
ADT 2004 2025
SR-1182 BOYETTE RD.
SR 1178 KEEN RD.
KEEN STREET
RANSOM J. MCLAMB
DB 941 PG 228
MARGARET C. SUTTON, ET AL
DB 1509 PG 844
WILLIAM CHARLES MITCHELL
DB 941 PG 228
PI Sta 19+51.73
Δ = 25° 10' 20.0" (LT)
D = 4° 00' 00.0"
L = 629.31'
T = 319.81'
R = 1,432.39'
-L- POT 19+48.75 =
-Y2- POT 10+00.00
-L- POT 19+49.71 =
-Y3- POT 13+00.00
MATCHLINE -Y3- 11+50.00 SEE SHEET 9
MATCHLINE -L- 17+50.00 SEE SHEET 5
MATCHLINE -L- 22+50.00 SEE SHEET 7
MATCHLINE -Y2- 11+50.00 SEE SHEET 10
PROP 5' CONC SIDEWALK
JESSIE EARL LASSITER
ELEVATION = 205.99'
-L- POC 19+76.01 48.84' RT =
BL-103 14+08.06 PINC
ROBERT JESSE LEE
-Y2- PC 11+47.66
MARGARET L. WALKER
DB 1897 PG. 472
DB 1568 PG. 830
AMANDA M. LEE
DB 1544 PG 262
ELEVATION = 208.52'
-L- POC 22+30.58 14.64' RT =
BY2-16 17+37.93 POT
ALBERT S. BREWER, SR.
DB 2010 PG 860
J. P. EDWARDS RENTALS, LLC
DB 1897 PG 472
26 x 8 x 3
ID 6.1
15 x 8 x 3
4' weir
ID 6.6
26 x 9 x 3
ID 6.5
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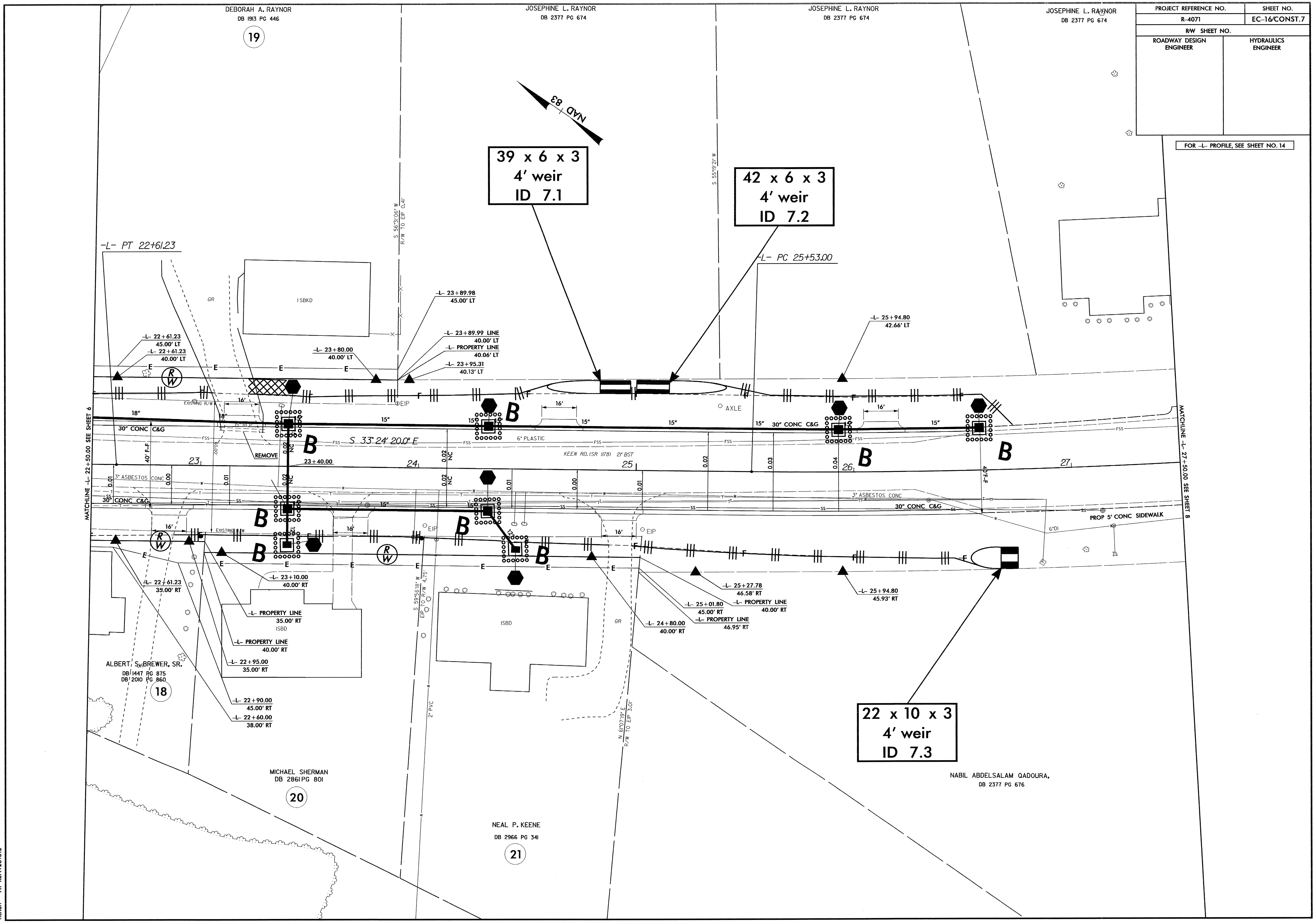

PROJECT REFERENCE NO.
SHEET NO.
R-4071
EC-16/CONST.7
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
FOR -L- PROFILE, SEE SHEET NO. 14
DEBORAH A. RAYNOR
DB 1913 PG 446
19
JOSEPHINE L. RAYNOR
DB 2377 PG 674
JOSEPHINE L. RAYNOR
DB 2377 PG 674
JOSEPHINE L. RAYNOR
DB 2377 PG 674
NAD 83
39 x 6 x 3
4' weir
ID 7.1
42 x 6 x 3
4' weir
ID 7.2
22 x 10 x 3
4' weir
ID 7.3
-L- PT 22+61.23
-L- PC 25+53.00
-L- 23+89.98
45.00' LT
-L- 23+89.99 LINE
40.00' LT
-L- PROPERTY LINE
40.06' LT
-L- 23+95.31
40.13' LT
-L- 23+80.00
40.00' LT
-L- 22+61.23
45.00' LT
-L- 22+61.23
40.00' LT
-L- 25+94.80
42.66' LT
1 SBKD
AXLE
30" CONC C&G
S 33° 24' 20.0" E
KEEN RD. (SR 1178) 21' BST
6" PLASTIC
REMOVE
23+40.00
3" ASBESTOS CONC
PROP 5' CONC SIDEWALK
MATCHLINE -L- 22+50.00 SEE SHEET 6
MATCHLINE -L- 27+50.00 SEE SHEET 8
B
-L- 23+10.00
40.00' RT
-L- 22+61.23
35.00' RT
-L- PROPERTY LINE
35.00' RT
-L- PROPERTY LINE
40.00' RT
-L- 22+95.00
35.00' RT
-L- 22+90.00
45.00' RT
-L- 22+60.00
38.00' RT
-L- 25+27.78
46.58' RT
-L- PROPERTY LINE
40.00' RT
-L- 25+01.80
45.00' RT
-L- PROPERTY LINE
46.95' RT
-L- 24+80.00
40.00' RT
-L- 25+94.80
45.93' RT
ISBD
ALBERT S. BREWER, SR.
DB 1447 PG 875
DB 2010 PG 860
18
MICHAEL SHERMAN
DB 2861 PG 801
20
NEAL P. KEENE
DB 2966 PG 341
21
NABIL ABDELSALAM QADOURA
DB 2377 PG 676
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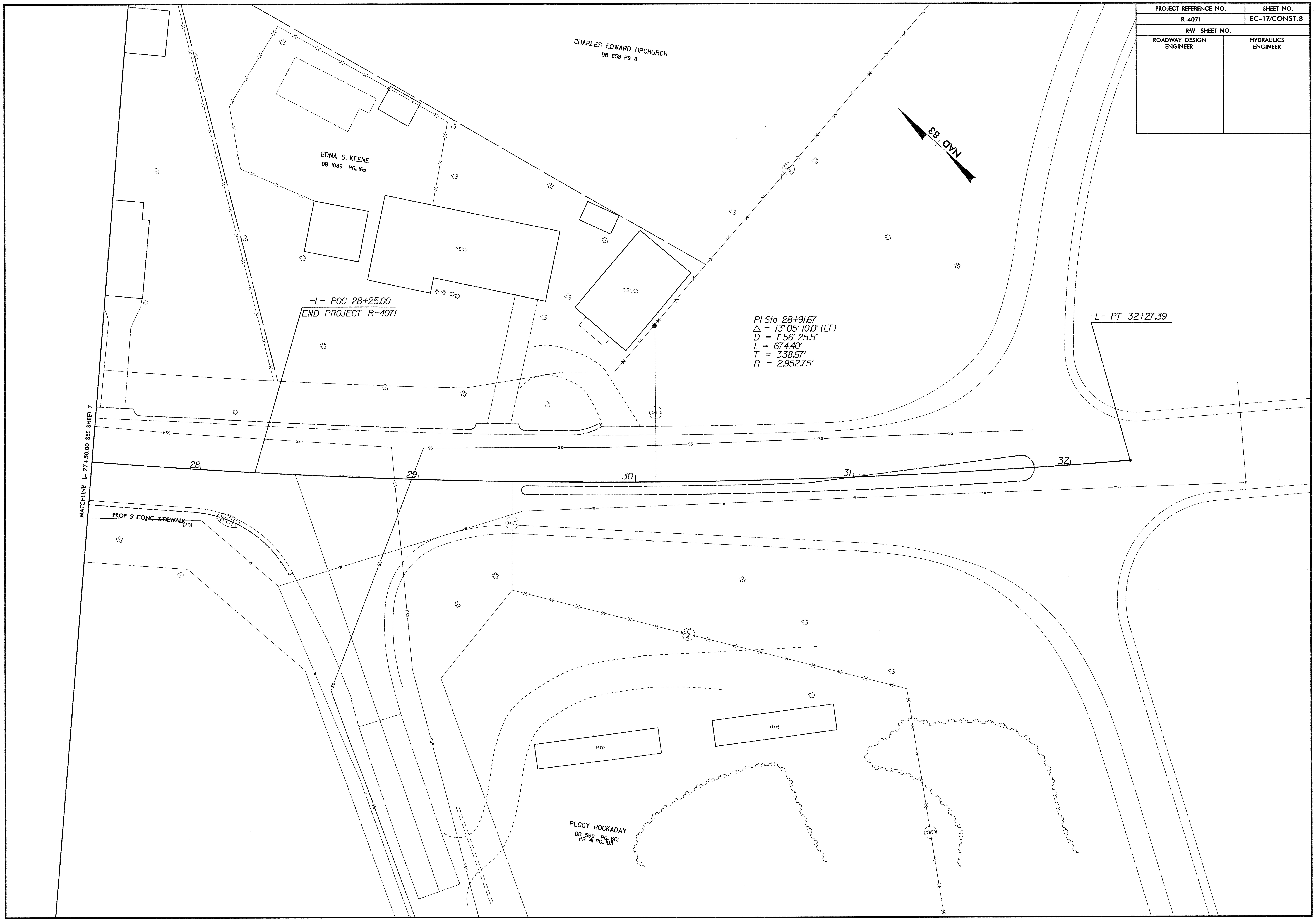
PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-17/CONST.8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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nchan AT RENV231812

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PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-18/CONST.9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

FOR -Y3- PROFILE, SEE SHEET NO. 15

-Y3- POT 9+00.00
BEGIN CONST

ALBERT HOLLOWAY HALL, III
22

WILLIAM CHARLES MITCHELL
14

I S F D

48" CHL

S08°09'22"E 106.05'

-Y3- 10+00.00
30.00' LT

-Y3- 11+00.00
35.00' LT

REMOVE

S 81° 31' 43.0" W

EXISTING R/W

60.00'

B

24"

SCP

24"

10

12'

12'

11

SR-1182 BOYETTE RD.
20' BST

40.00'

EXISTING R/W

C

E

F

-Y3- 9+50.00
30.00' RT

-Y3- 9+50.00
40.00' RT

-Y3- 9+75.00
40.00' RT

PDE

RW

160' TAPER

5 TONS CLASS 'B' RIP RAP
14 SY FILTER FABRIC

-Y3- 10+33.00
75.00' RT

STANDARD BASE DITCH
SEE DETAIL 'B'

PROP 48" CHAIN LINK FENCE

18"

-Y3- 10+28.09
185.00' RT

MATCHLINE -Y3- 11+50.00 SEE SHEET 6

NAD 83

42" EIP TO R/W

249.99'
S07°43'16"E

11

MARGARET C. SUTTON, ET AL
DB 1509 PG 844

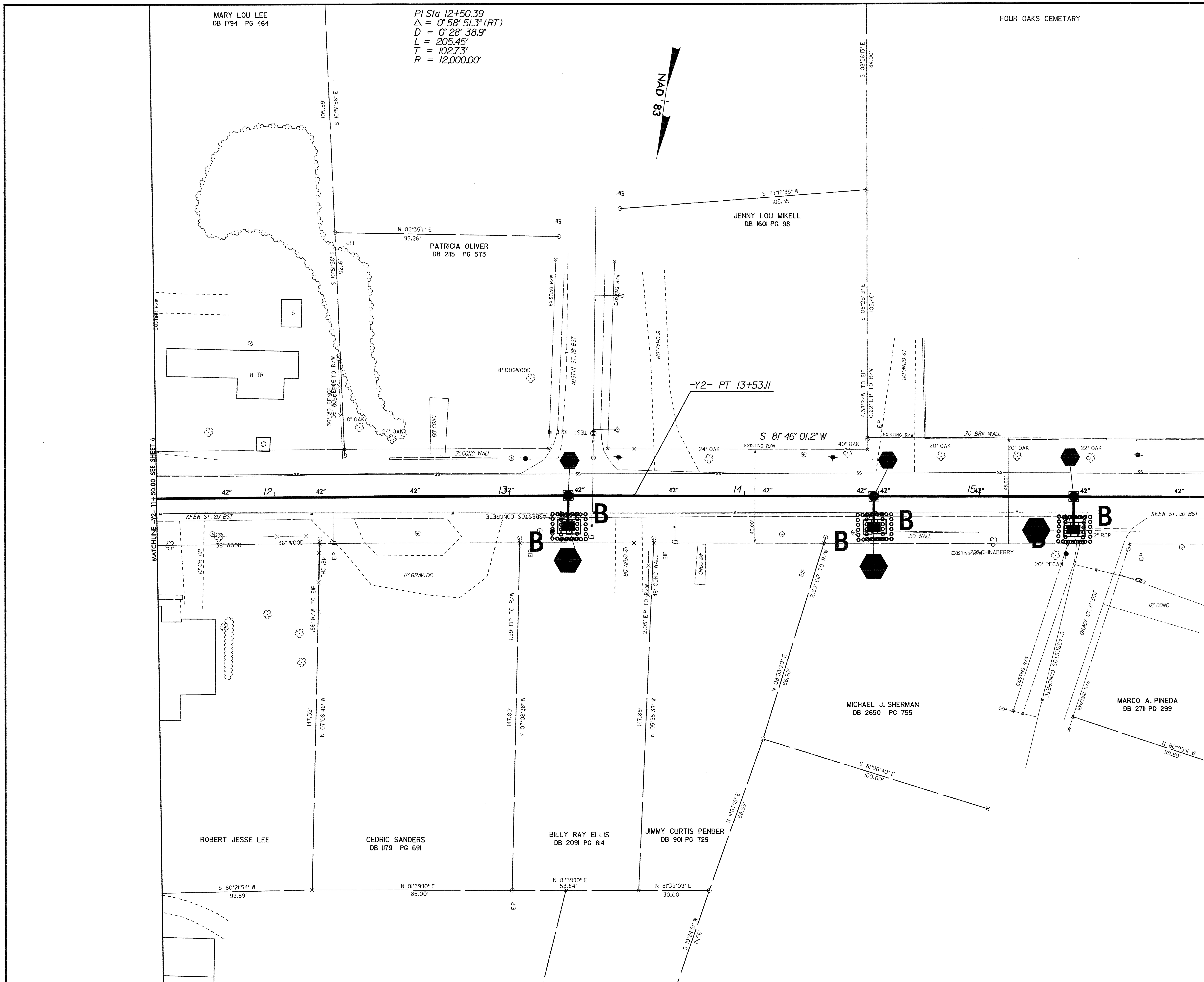
DETAIL B
STANDARD BASE DITCH
(Not to Scale)

Natural Ground — 2:1 — D — 2:1 — Natural Ground
B

Min. D = 2.5 Ft.
B = 2.0 Ft.

FROM STA. 10+00-Y3- TO 12+50-Y3- RT.

PROJECT REFERENCE NO.	SHEET NO.
R-4071	EC-19/CONST.10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



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PROJECT REFERENCE NO.
R-4071
SHEET NO.
EC-20/CONST.11
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
FOUR OAKS CEMETARY
NAD 83
FOUR OAKS VOLUNTEER FIRE DEPARTMENT
DB 794 PG 518
-Y7- POT 10+00.00
JAMES E. BAREFOOT
DB 2648 PG 427
23
14' DIA. CONC. PATIO
-Y2- POT 19+99.03 =
-Y7- POT 11+83.48
S 81° 46' 01.2" W
RETAIN
REMOVE
PDE
-Y7- 11+95.00
30.00' LT
-Y7- 12+25.00
30.00' LT
HICO PROPERTIES, LLC
DB 3037 PG 495
24
MATCHLINE -Y2- 16+00.00 SEE SHEET 10
MATCHLINE -Y2- 21+00.00 SEE SHEET 12
KEEN ST. 20' BST
BAKER ST. 19' BST
FORD ST. 16' BST
MARCO A. PINEDA
DB 2711 PG 299
E.O. BEASLEY
DB 529 PG 76
BILLY RAY BLACKMON
WALLACE CREECH
DB 2374 PG 559
THURMAN BUTLER HALL II
DB 1457 PG 684
BAKER 209 LAND TRUST, MARTHA FRY, TRUSTEE
DB 2151 PG 938
B
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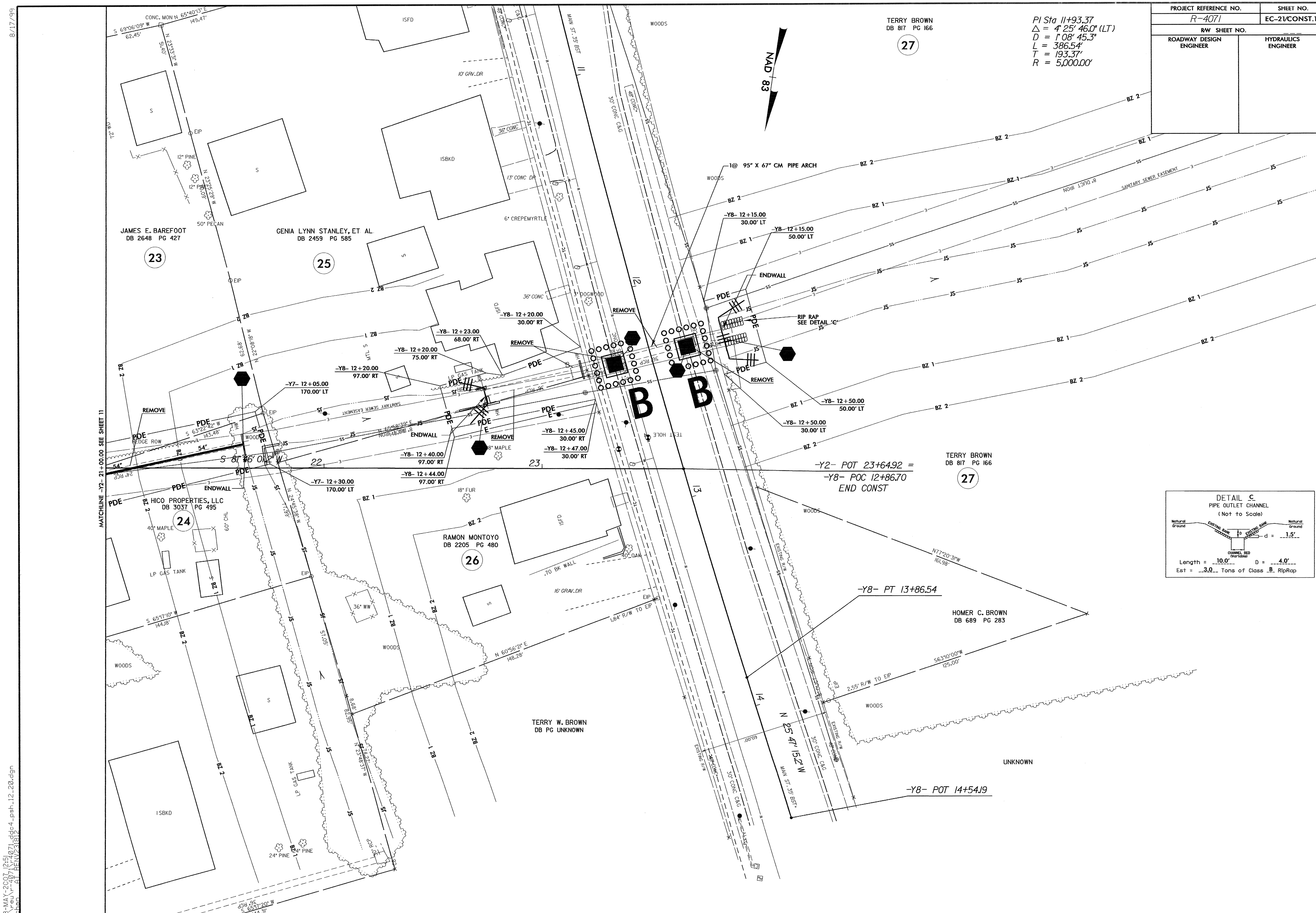
8/17/99

HP4500

8/17/99



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