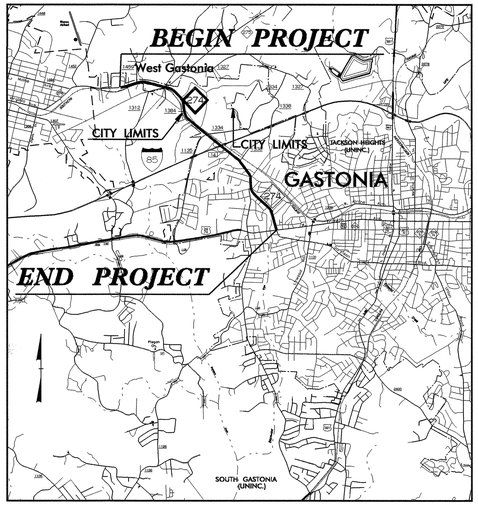
9/08/99

CONTRACT: C201595 T.I.P. PROJECT: U-2408

See Sheet 1A For Index of Sheets
See Sheet 1B For Conventional Symbols



VICINITY MAP

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

GASTON COUNTY

LOCATION: NC 274 (BESSEMER CITY ROAD) FROM NC 275 (DALLAS-BESSEMER CITY ROAD) TO US 29-74 (FRANKLIN BOULEVARD)

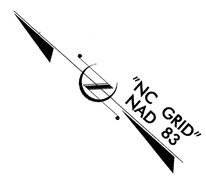
TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNALS, GUARDRAIL, CURB AND GUTTER, SIGNING, AND STRUCTURES

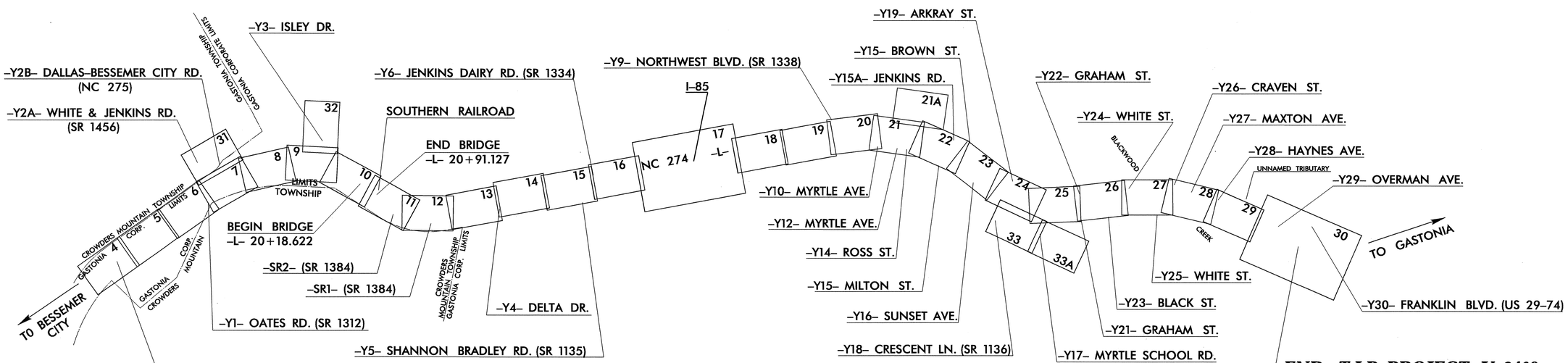
ALL DIMENSIONS IN THESE PLANS ARE IN METERS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2408	1	

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
34799.1.1	STPNHF-274(1)	PE
34799.2.1	STP-274(1)	RW, UTL
34799.3.2	STP-274(4)	CONST.
C201595		CONTRACT

PART 2 OF 2





07-APR-2006 15:19
t:\roadway\proj\u2408_rdy_tsh_2.dgn
$$$$USERNAME$$$$

PROJECT: U-2408

TIP P

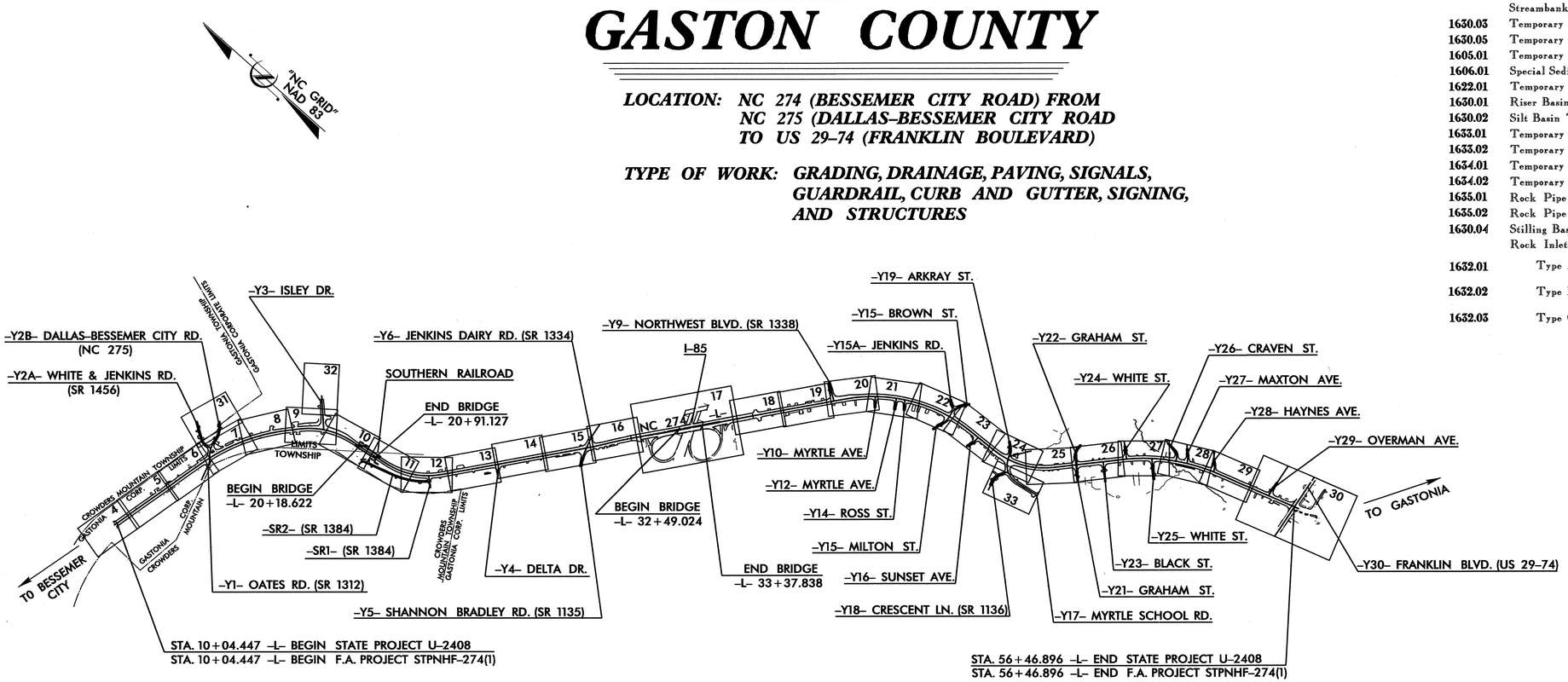
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
HIGHWAY EROSION CONTROL

GASTON COUNTY

LOCATION: ***NC 274 (BESSEMER CITY ROAD) FROM NC 275 (DALLAS–BESSEMER CITY ROAD TO US 29–74 (FRANKLIN BOULEVARD)***

TYPE OF WORK: ***GRADING, DRAINAGE, PAVING, SIGNALS, GUARDRAIL, CURB AND GUTTER, SIGNING, AND STRUCTURES***



METRIC

ALL DIMENSIONS IN THESE PLANS ARE IN METERS UNLESS OTHERWISE SHOWN

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-2408	EC-1	

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

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
	Streambank Reforestation	
1630.03	Temporary Silt Ditch	TSD
1630.05	Temporary Diversion	TD
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	
1633.02	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 OR A
1632.02	Type B	B OR B
1632.03	Type C	C OR C

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

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

2002 STANDARD SPECIFICATIONS

Roadway Standard Drawings

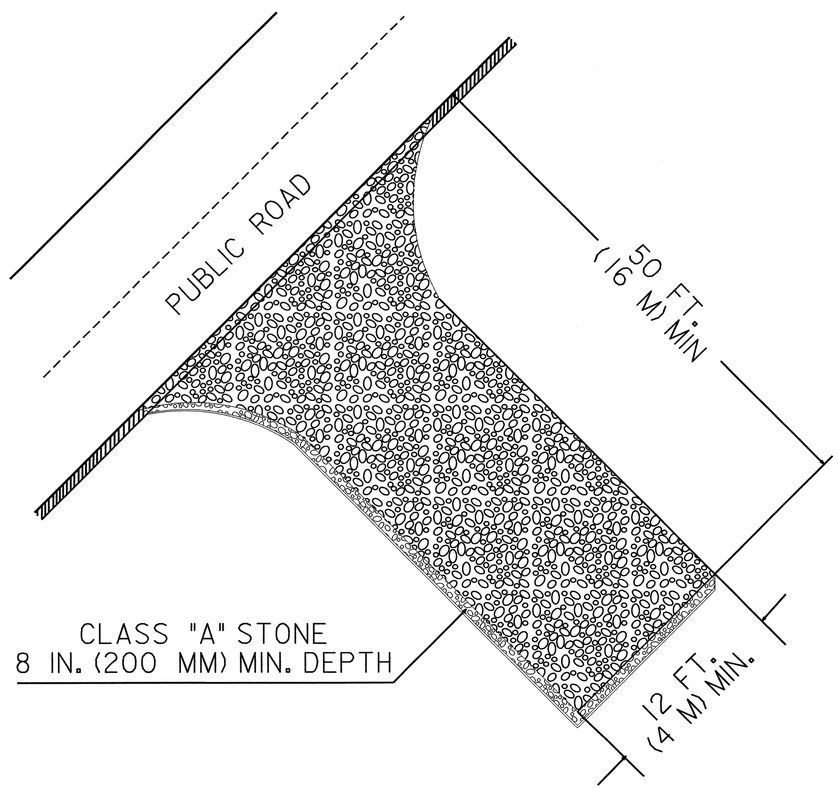
The following roadway metric standards as appear in "Roadway Standard Drawings"– Roadway Design Unit – N. C. Department of Transportation – Raleigh, N. C., dated January, 2002 and the latest revison thereto are applicable to this project and by reference hereby are considered a part of these plans.

1605.01	Temporary Silt Fence
1622.01	Temporary Berms and Slope Drains
1630.02	Silt Basin Type B
1630.03	Temporary Silt Ditch
1630.05	Temporary Diversion
1632.01	Rock Inlet Sediment Trap Type A
1632.02	Rock Inlet Sediment Trap Type B
1632.03	Rock Inlet Sediment Trap Type C
1633.01	Temporary Rock Silt Check Type A
1633.02	Temporary Rock Silt Check Type B
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

gt:\tpprojects\u2408\details\u2408titlecdgn
23-MAR-2006 14:55
jagodzinski
At REN\251508

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
U-2408	EC-2	
STATE PROJECT NO.	F.A. PROJ. NO.	DESCRIPTION

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



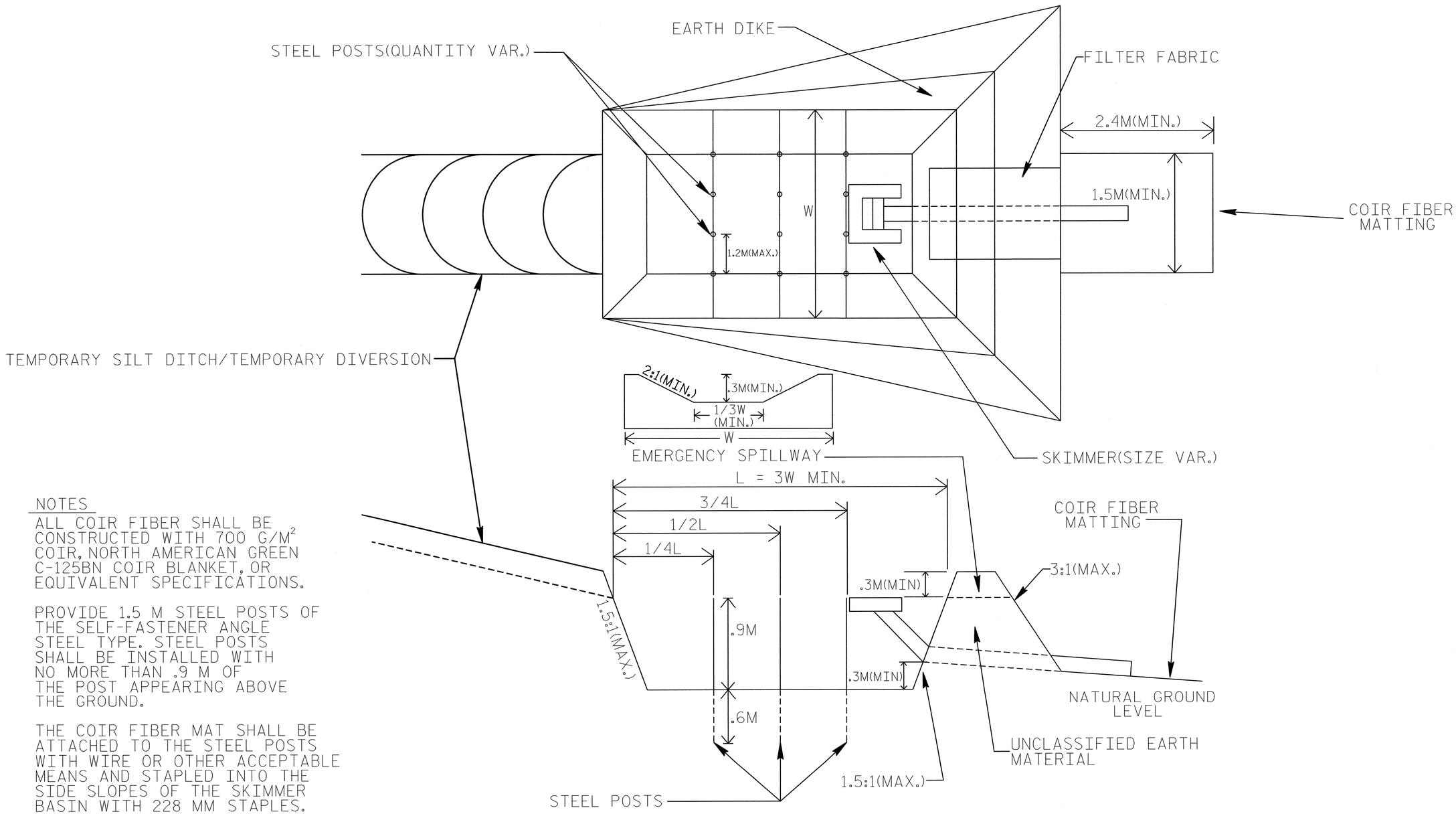
NOTES:

1. TURNING RADIUS SUFFICIENT TO ACCOMODATE LARGE TRUCKS SHALL BE PROVIDED.
2. ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR UTILIZATION BY ALL CONSTRUCTION VEHICLES.
3. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY.
4. ANY MATERIAL TRACKED ONTO THE ROADWAY MUST BE CLEANED UP IMMEDIATELY.
5. GRAVEL CONSTRUCTION ENTRANCE SHALL BE LOCATED AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED. FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE MUST BE PROVIDED.
6. NUMBER AND LOCATION OF CONSTRUCTION ENTRANCES TO BE DETERMINED BY THE ENGINEER

NOTE: FILTER FABRIC TO BE PLACED BENEATH STONE

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-2A
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SKIMMER BASIN WITH BAFFLES DETAIL



NOTES

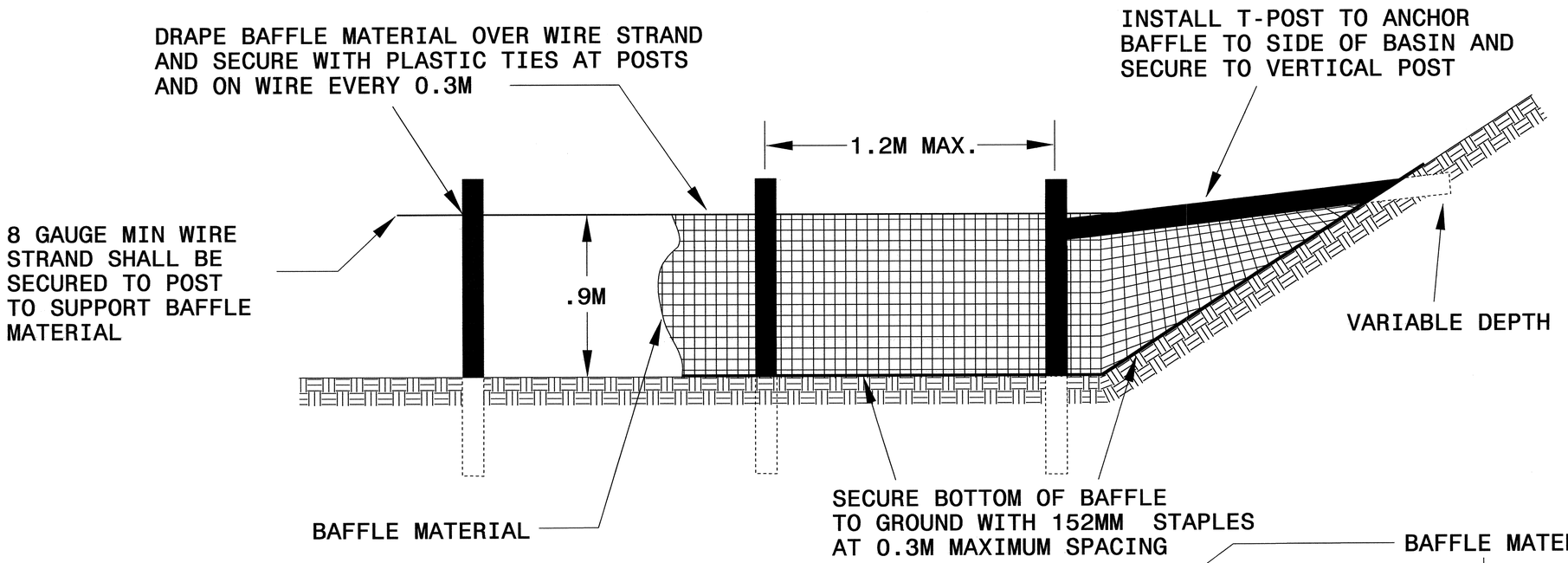
ALL COIR FIBER SHALL BE CONSTRUCTED WITH 700 G/M^2 COIR, NORTH AMERICAN GREEN C-125BN COIR BLANKET, OR EQUIVALENT SPECIFICATIONS.

PROVIDE 1.5 M STEEL POSTS OF THE SELF-FASTENER ANGLE STEEL TYPE. STEEL POSTS SHALL BE INSTALLED WITH NO MORE THAN .9 M OF THE POST APPEARING ABOVE THE GROUND.

THE COIR FIBER MAT SHALL BE ATTACHED TO THE STEEL POSTS WITH WIRE OR OTHER ACCEPTABLE MEANS AND STAPLED INTO THE SIDE SLOPES OF THE SKIMMER BASIN WITH 228 MM STAPLES.

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-2B
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TEMPORARY SEDIMENT BAFFLE DETAIL



NOTES:

WIRE STRAND SUPPORT SHALL BE 8 GAUGE MINIMUM WIRE.

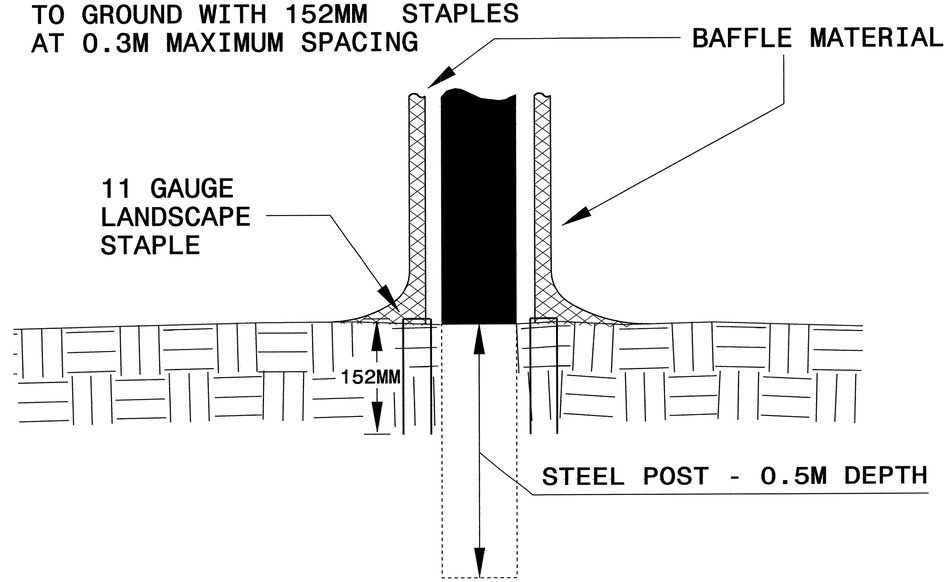
STEEL POST SHALL BE 1.5M MIN. IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.

BAFFLE MATERIAL SHALL BE WOVEN COIR FIBER WITH 700 G/M2, NORTH AMERICAN GREEN C-125BN COIR BLANKET OR EQUIVALENT MATERIAL SPECIFIED BY THE ENGINEER.

BAFFLE MATERIAL SHALL BE A MINIMUM OF 2M IN WIDTH DRAPED AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AND SUPPORTS WITH PLASTIC TIES OR AS DIRECTED BY THE ENGINEER.

BAFFLES SHALL BE .9M IN HEIGHT OR AS DIRECTED BY THE ENGINEER.

BAFFLE MATERIAL SHALL BE SECURED WITH 152MM LANDSCAPE STAPLES AT THE BOTTOM AND SIDES OF THE BASIN AT 0.3M MAXIMUM SPACING.



BAFFLE MATERIAL SHALL BE SECURED TO THE BOTTOM AND SIDES OF BASIN USING 152MM LANDSCAPE STAPLES

PROJ. REFERENCE NO.	SHEET NO.	TOTAL SHEETS
U-2408	EC-3	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION SUMMARY SHEET

MATTING

CONST SHEET NO.	LINE	FROM STATION	TO STATION	SIDE	ESTIMATE (SM)
5	L	11+17	11+60	RT	20
7	L	14+22	14+28	RT	5
8	L	16+60		LT	15
10	L	19+20	19+86	RT	25
11	SR2	11+64	11+85	RT	10
12	SR2	12+07.5	12+38	RT	15
12	L	23+65		LT	10
14	L	26+15		RT	15
15	Y5	10+20	10+60	LT	20
19	L	36+46		LT	5
19	L	37+30		RT	5
24	Y19	10+20	10+40	RT	10
26	Y23	10+20	10+40	RT	10
26	Y23	10+20	10+40	LT	10
27	Y25	10+20	10+60	RT	15
27	Y25	10+20	10+60	LT	15
28	L	52+48	52+80	LT	15
28	Y26	10+40	10+60	LT	10
29	L	54+40	54+55	LT	5
31	Y2A	10+20	10+60	RT	20
31	Y2A	10+20	10+80	LT	25
31	Y2B	10+25	10+80	RT	20
31	Y2B	10+40	11+00	LT	30
33A	Y17	12+50	12+75	RT	15
				SUBTOTAL	345
MISCELLANEOUS MATTING TO BE INSTALLED AS DIRECTED BY THE ENGINEER					6965
				TOTAL	7310
				SAY	7500

MATTING

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

8/17/99

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.

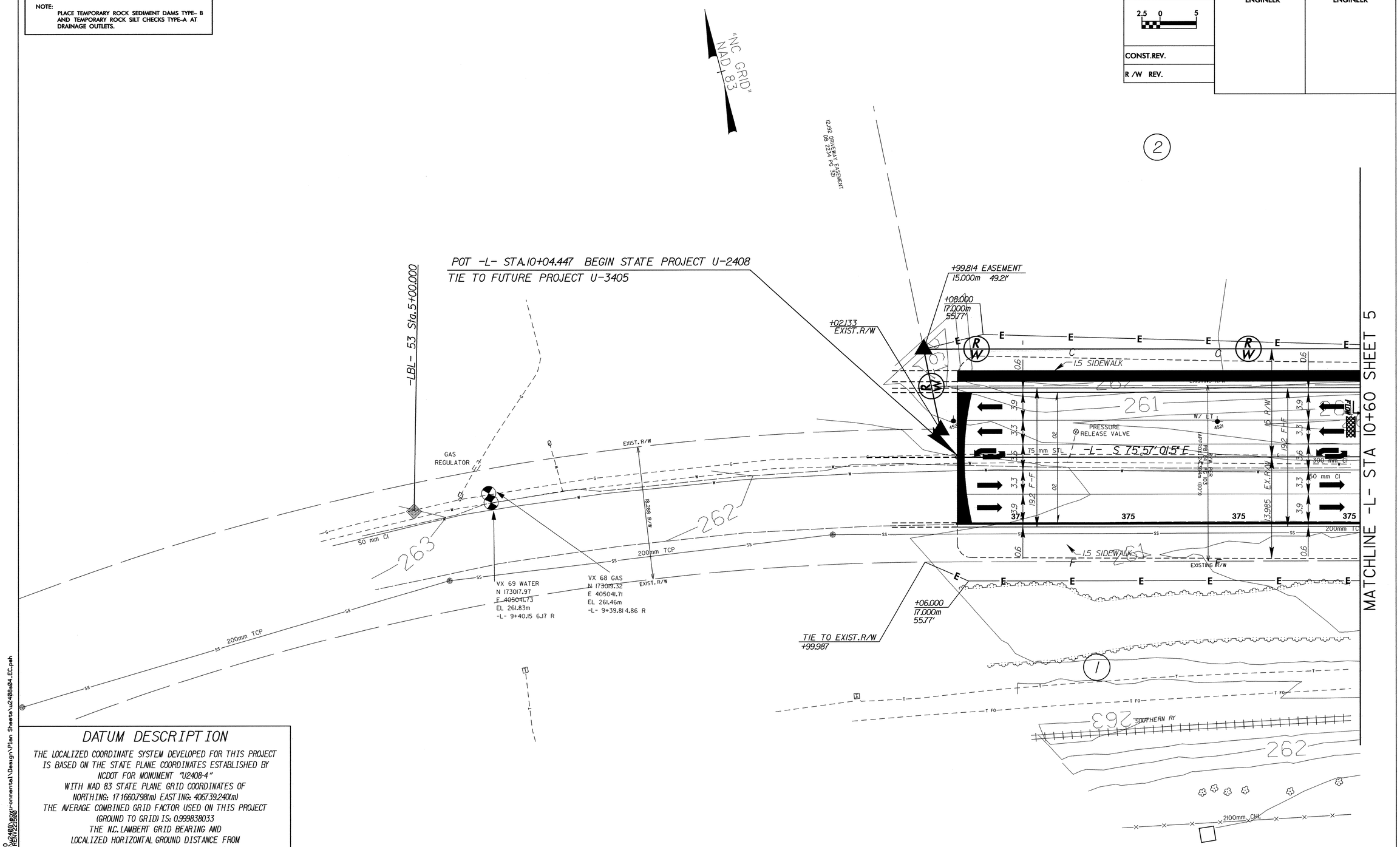
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-04/CONST.04
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "U2408-4"
WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 171660.798(m) EASTING: 406739.240(m)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999838033
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "U2408-4" TO -L- STATION 10+04.447 IS

2,117.706m BEARING N 50° 28' 54.3" W

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29

23-MAR-2006 15:00
Bagbern
Bagbern,Pw-Pw01(2408)

8/17/99

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

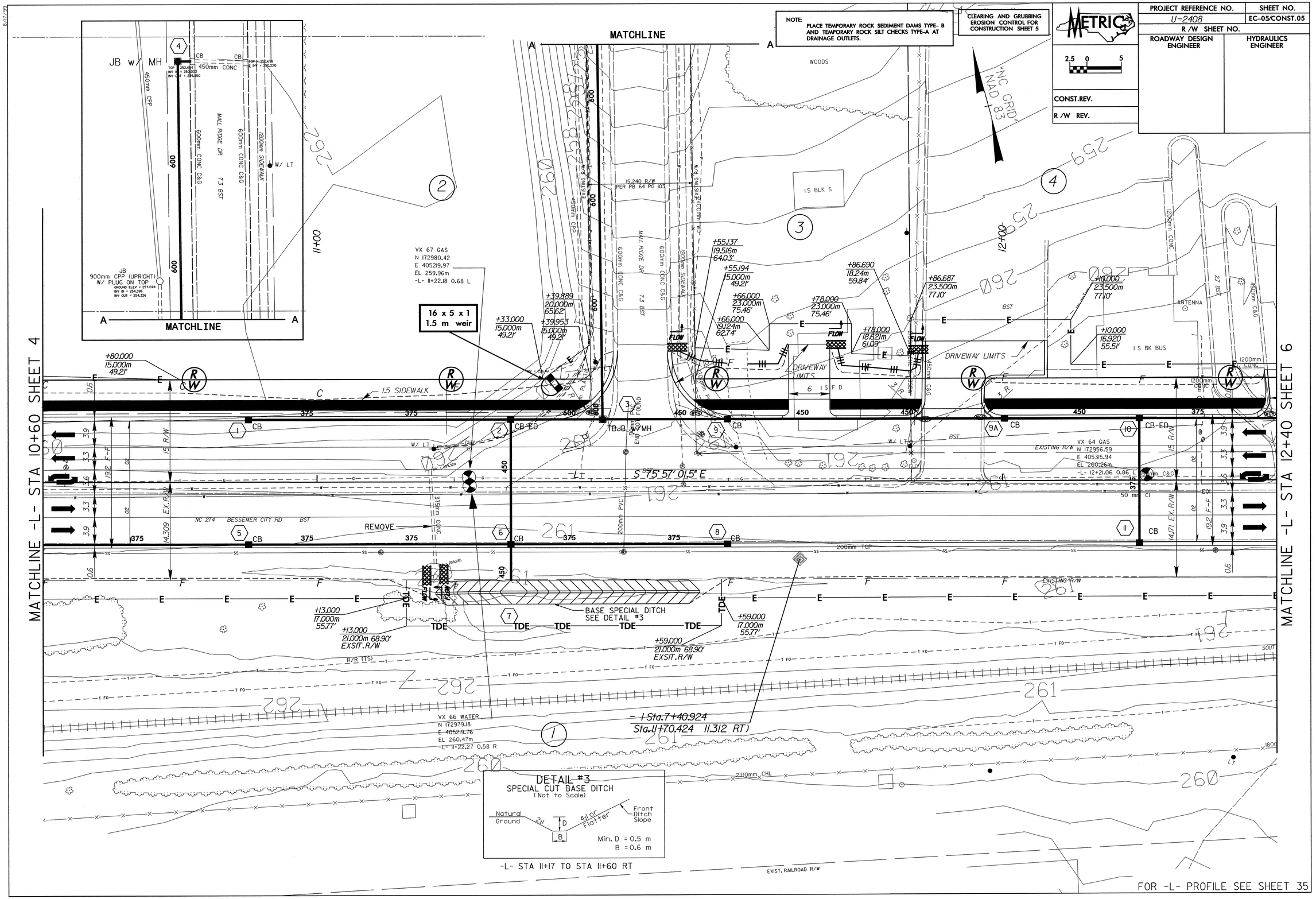
CLEARING AND GRUBBING
EROSION CONTROL FOR CONSTRUCTION SHEET 5

METRIC
2.5 0 5

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-05/CONST.05
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CONST.REV.

R /W REV.

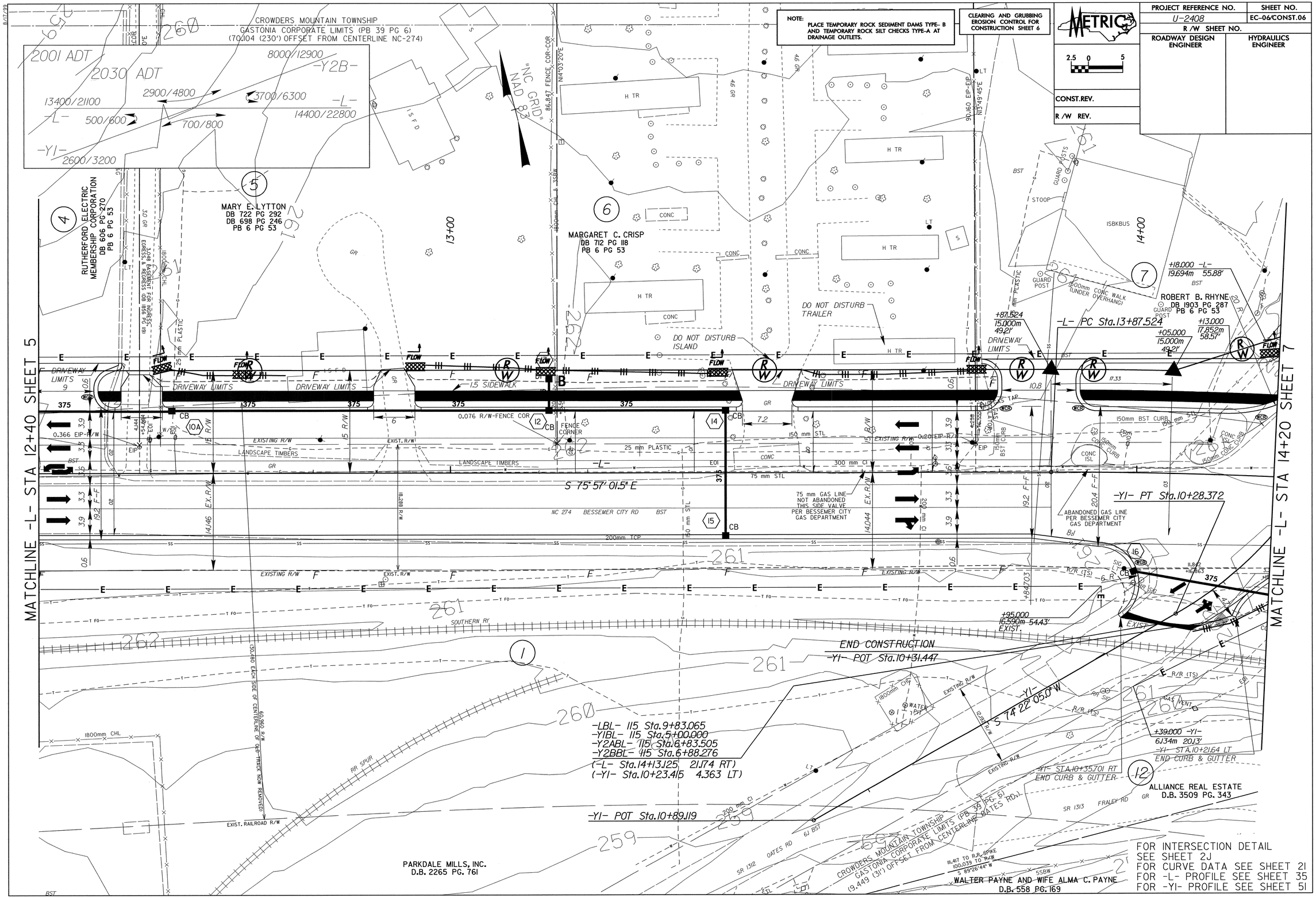


PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-06/CONST.06
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC 2.5 0 5

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



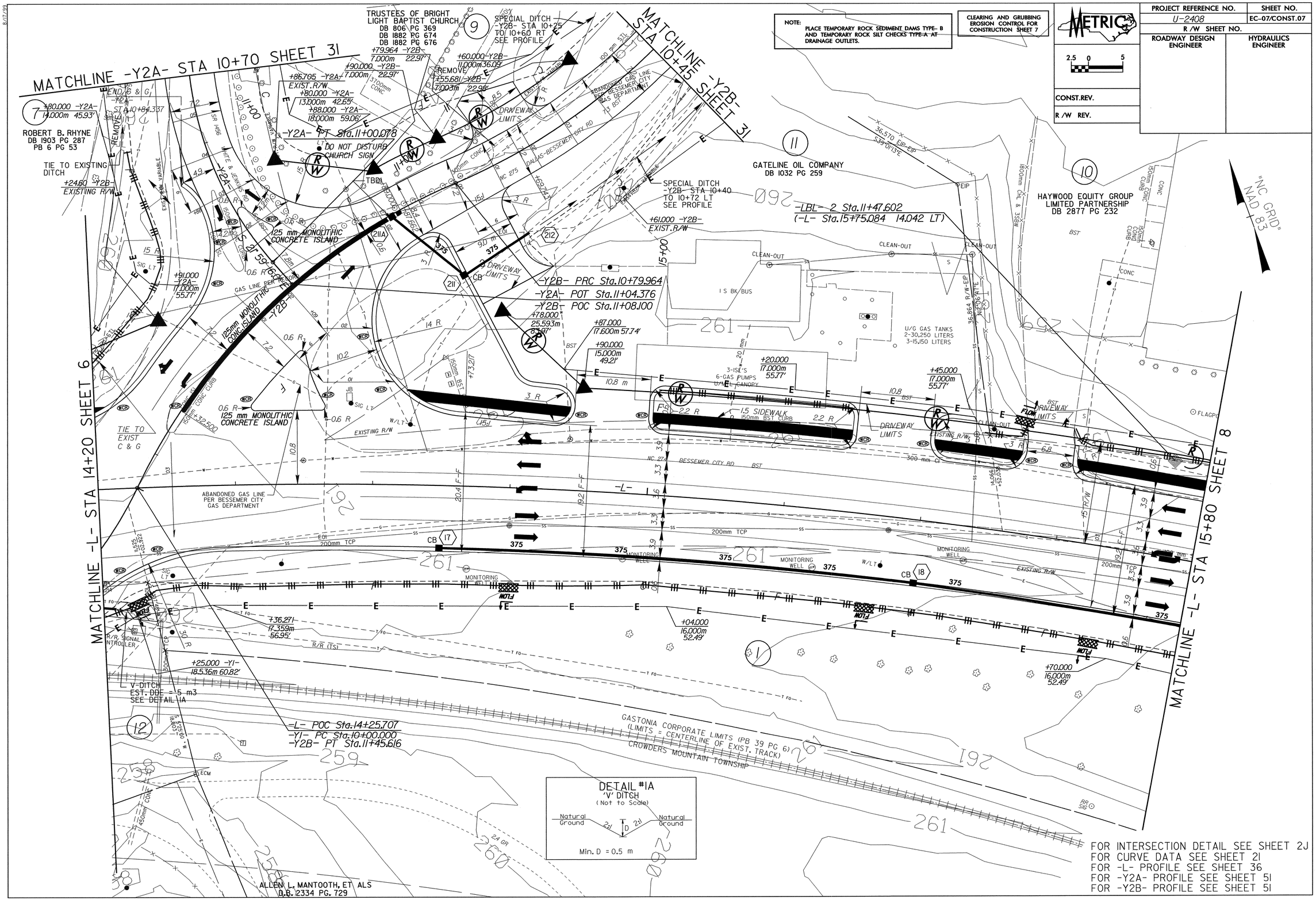
8/17/99

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

METRIC
2.5 0 5

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-07/CONST.07
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	



FOR INTERSECTION DETAIL SEE SHEET 2J
FOR CURVE DATA SEE SHEET 2I
FOR -L- PROFILE SEE SHEET 36
FOR -Y2A- PROFILE SEE SHEET 5I
FOR -Y2B- PROFILE SEE SHEET 5I

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-08/CONST.08
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

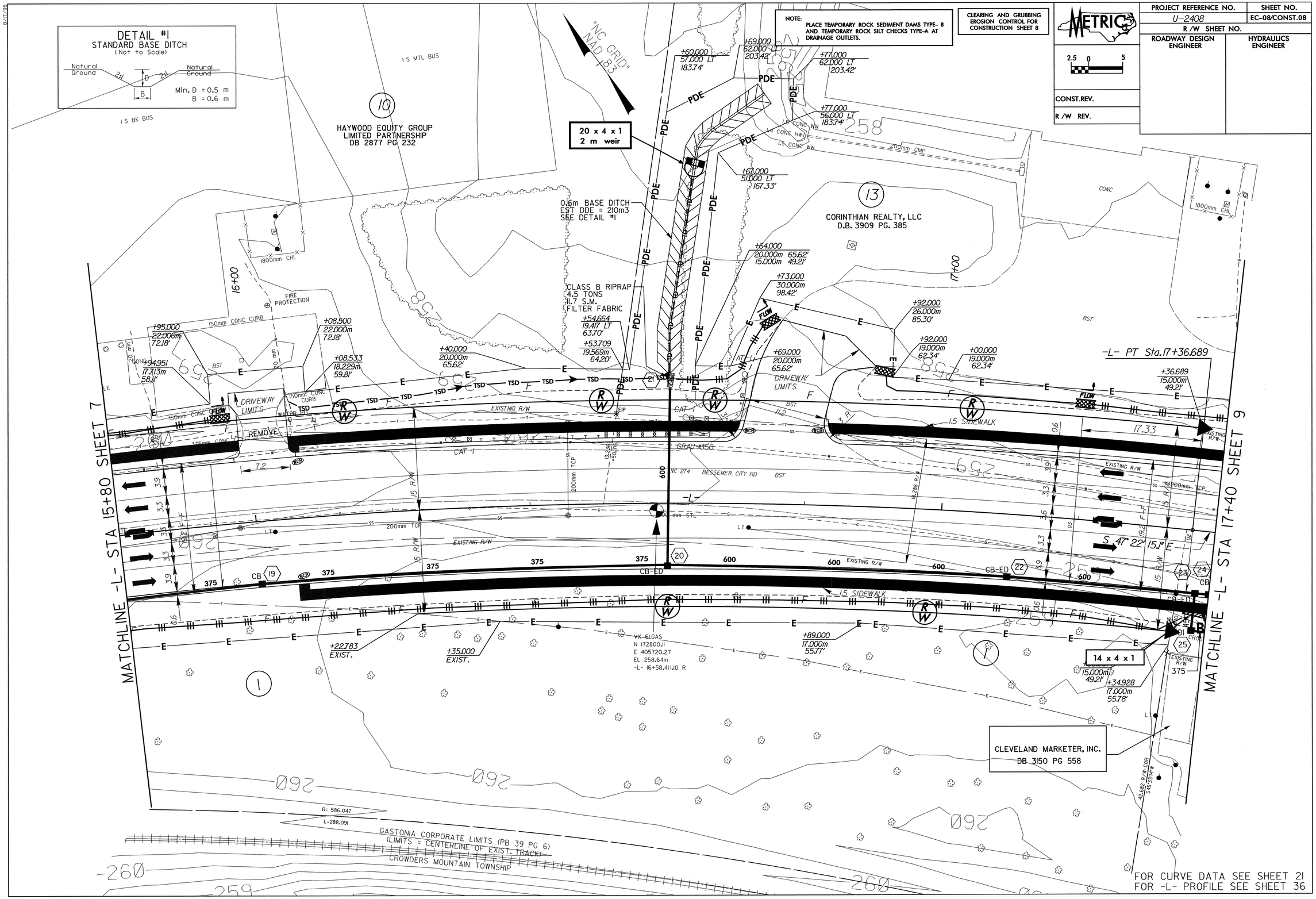
CONST.REV.

R /W REV.

METRIC 2.5 0 5

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.



FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 36

8/17/99

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 9

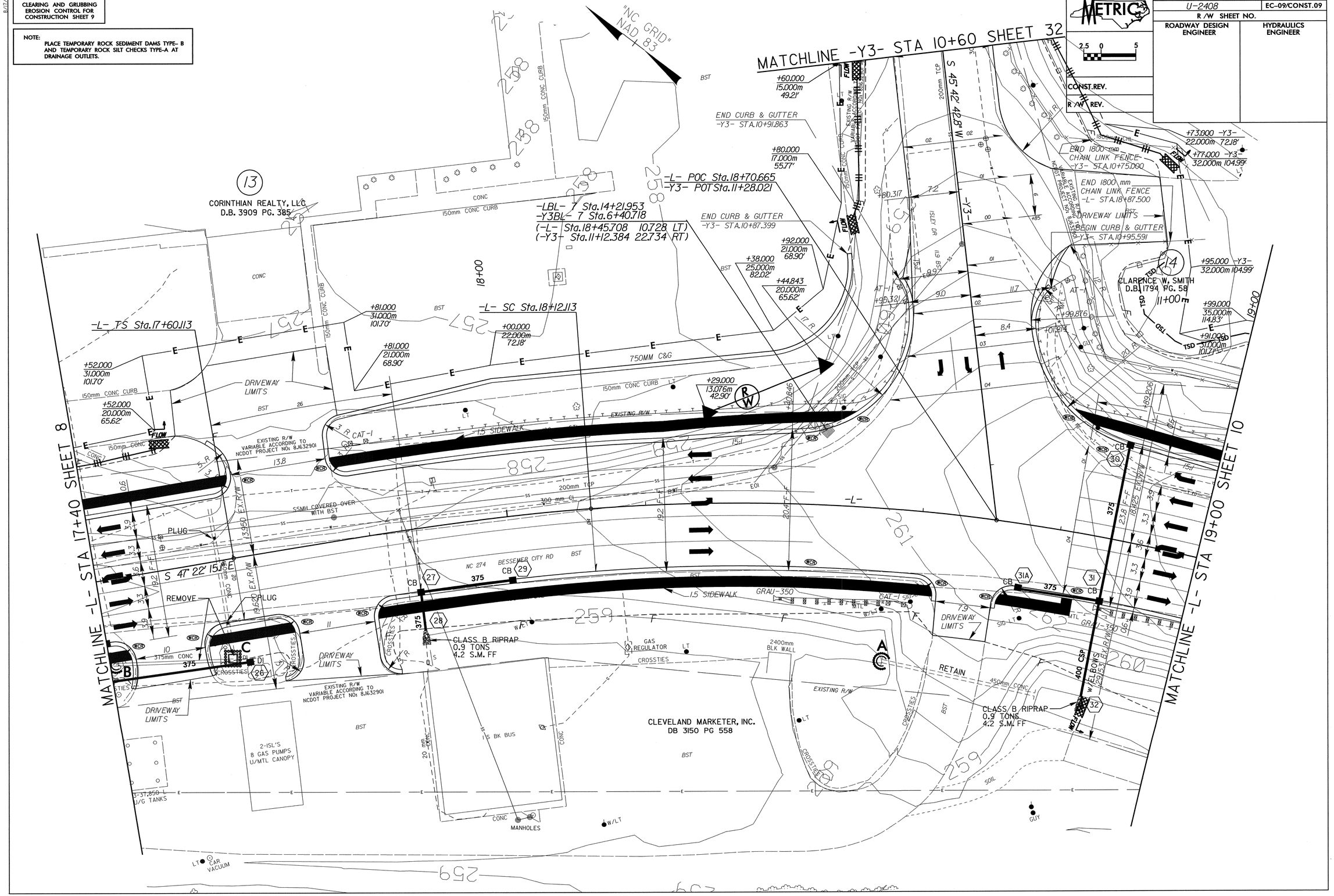
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-09/CONST.09
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC
2.5 0 5

CONST.REV.

R /W REV.



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-10/CONST.10
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

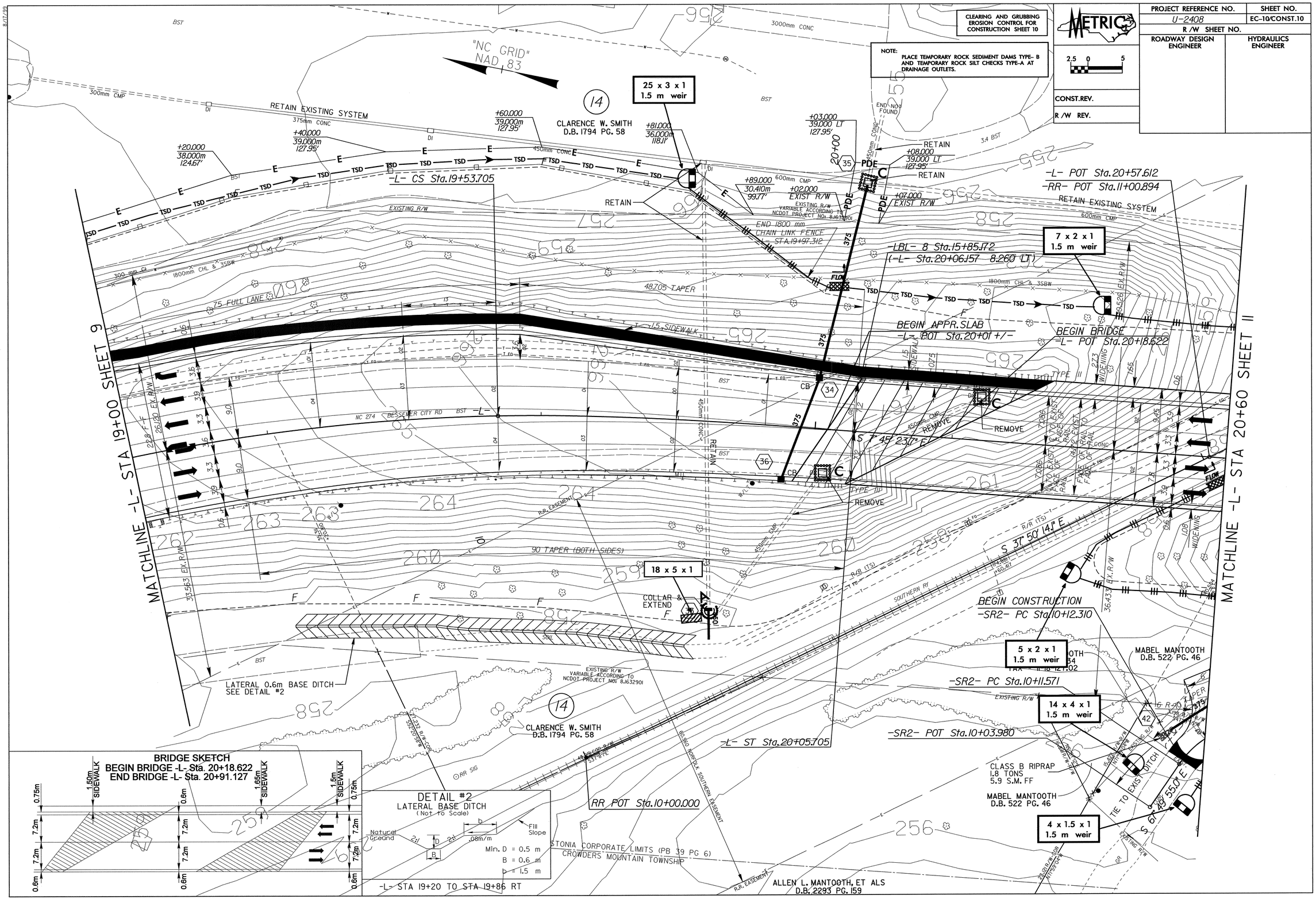
CONST.REV.

R /W REV.

METRIC 2.5 0 5

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.



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-11/CONST.11
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

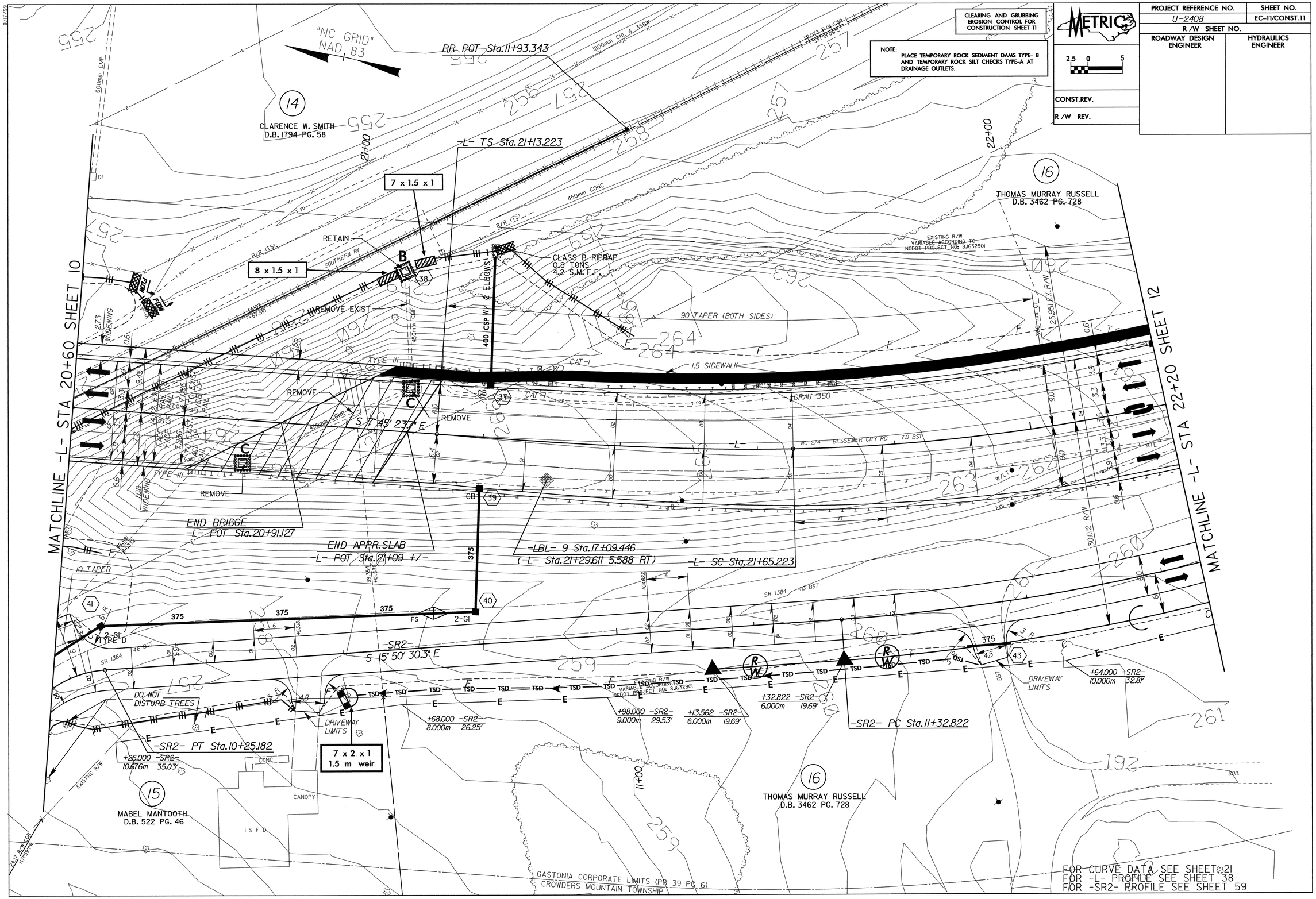
CONST.REV.

R /W REV.

METRIC 2.5 0 5

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.



FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 38
FOR -SR2- PROFILE SEE SHEET 59

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-12/CONST.12
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC 2.5 0 5

CONST.REV.

R /W REV.

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.

"NC GRID" NAD 83

16 THOMAS MURRAY RUSSELL D.B. 3462 PG. 728

19 GUTHRIE MACHINE SHOP, INC. D.B. 756 PG. 508 D.B. 1930 PG. 48

17 RATSY MANTOOTH, ET ALS D.B. 2084 PG. 579

18 JOHN F. LAIL, JR., ET UX D.B. 1278 PG. 645

20 ELSIE H. KENLEY WILL BK. 806 PG. 435

MATCHLINE -L- STA 22+20 SHEET 11

MATCHLINE -L- STA 23+80 SHEET 13

5 x 1.5 x 1 1.5 m weir

10 x 3 x 1 1.5 m weir

12 x 3.5 x 1 1.5 m weir

3.5 x 1 x 1

-L- POC Sta.23+03.400

-SRI- POT Sta.10+00.000

-L- CS Sta.23+25.334

-SR2- PT Sta.12+78.605

-SRI- POT Sta.10+20.900

END CONSTRUCTION

-SRI- POT Sta.10+35.000

-SRI- POT Sta.10+45.000

-L- ST Sta.23+77.334

-LBL- 10 Sta.18+90.162

(-L- Sta.23+11.007 2.360 RT)

-SR2- STA 12+07.5 TO STA 12+38 RT

DETAIL #3
SPECIAL CUT BASE DITCH
(Not to Scale)

Natural Ground 2:1 D B 4:1 or Flatter Front Ditch Slope

Min. D = 0.5 m
B = 0.6 m

0.9m BASE DITCH EST. DDE = .20 SEE DETAIL #4

CLASS B RIPRAP 10.0 TONE 23.4 S.M. FF

0.6m SPECIAL DITCH SEE DETAIL #3

CROWDERS MOUNTAIN TOWNSHIP

GASTONIA CORPORATE LIMITS (PB 39 PG. 6)

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-13/CONST.13
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

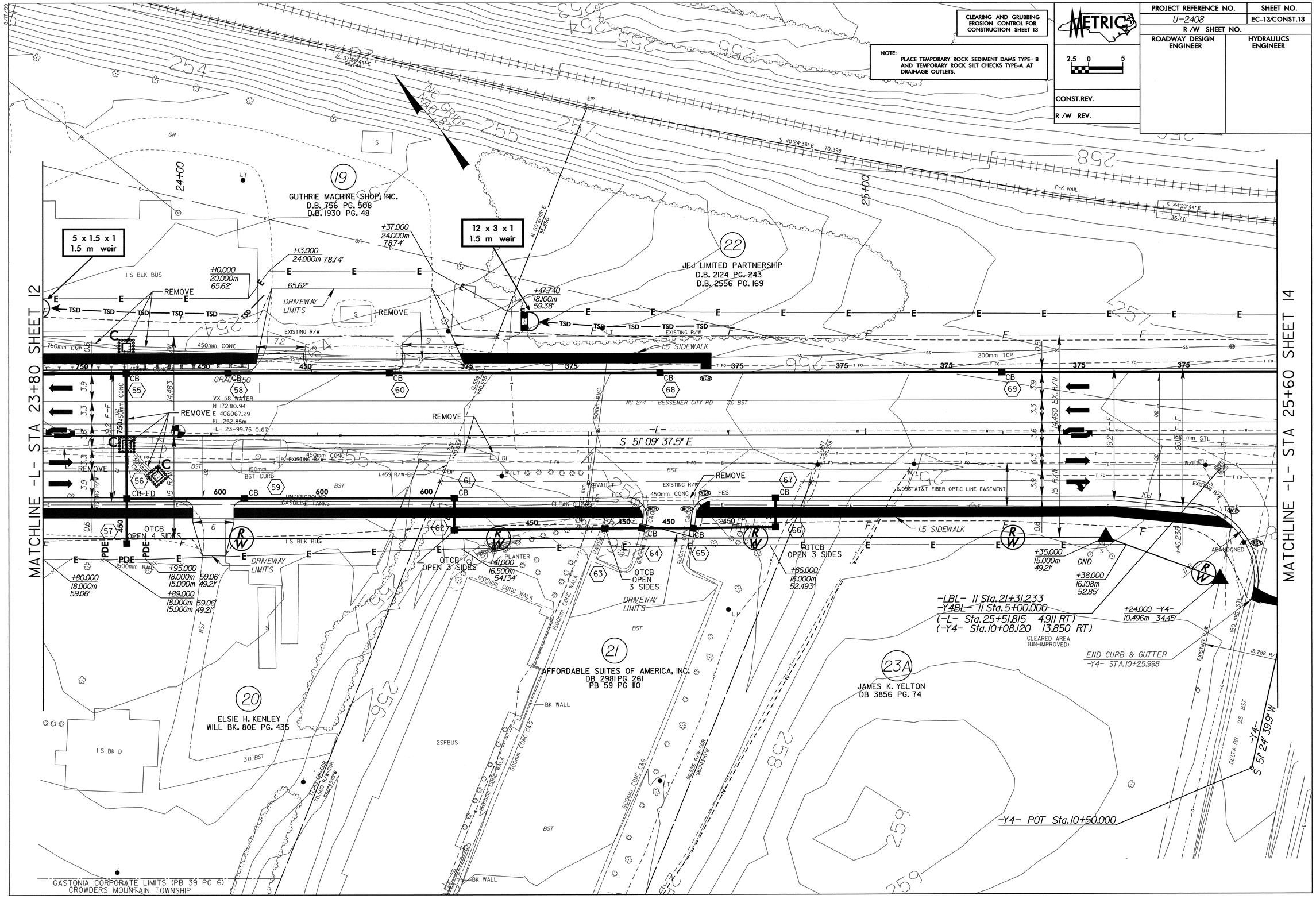
CONST.REV.

R /W REV.

METRIC 2.5 0 5

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 13

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



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-14/CONST.14
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

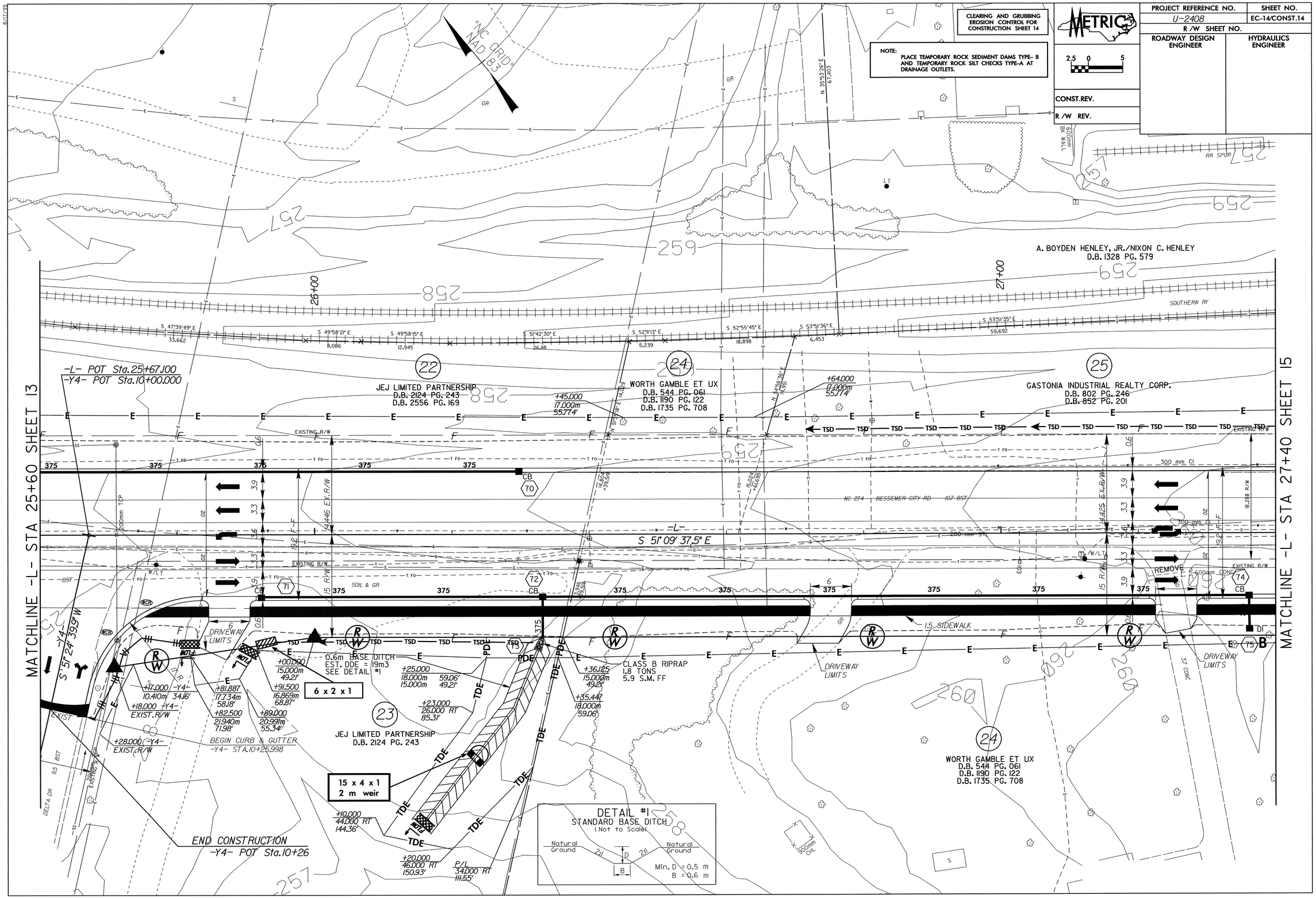
CONST.REV.

R /W REV.

METRIC 2.5 0 5

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.



8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-15/CONST.15
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 15

METRIC 2.5 0 5

CONST.REV.

R /W REV.

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

-LBL- 3 Sta.24+92.430
-Y5BL- 3 Sta.5+00.000
-Y6BL- 3 Sta.6+83.074
(-L- Sta.29+12.876 7.174 RT)
(-Y6- Sta.10+99.202 14.915 LT)

"NC GRID" NAD 83

MATCHLINE -L- STA 27+40 SHEET 14

MATCHLINE -L- STA 29+20 SHEET 16

A. BOYDEN HENLEY, JR./NIXON C. HENLEY
D.B. 1328 PG. 579

GASTONIA INDUSTRIAL REALTY CORP.
D.B. 802 PG. 246
D.B. 852 PG. 201

CITY OF GASTONIA
D.B. 2343 PG. 139

WORTH GAMBLE ET UX
D.B. 544 PG. 061
D.B. 1190 PG. 122
D.B. 1735 PG. 708

S & S U.S.A., INC.
D.B. 4008 PG. 492

S & S U.S.A., INC.
D.B. 3871 PG. 005

FFCA IPI 1984 PROPERTY CO.
D.B. 1824 PG. 758

-L- PC Sta.28+91.542

6 x 1.5 x 1
1.5 m weir

-LBL- 12 Sta.23+37.979
(-L- Sta.27+58.558 3.900 RT)

-L- POC Sta.28+99.800
-Y5- POT Sta.10+00.000
-Y6- PT Sta.11+00.123

-Y5- PC Sta.10+19.556

-Y5- PT Sta.10+66.159

END CONSTRUCTION
-Y5- POT Sta.10+73.000

END CURB & GUTTER
-Y6- STA.10+60.19

BEGIN CURB & GUTTER
-Y5- STA.10+43.495

REMOVE HEADWALL, PLACE COLLAR & EXTEND

RETAIN

REMOVE

125 mm MONOLITHIC CONCRETE ISLAND

DRIVEWAY LIMITS

TIE TO EXIST.C & G

DO NOT DISTURB SIGN

6-GAS PUMPS
1 KEROSENE PUMP
U/MTL CANOPY

FOR INTERSECTION DETAIL SEE SHEET 2L
FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 40
FOR -Y5- PROFILE SEE SHEET 52
FOR -Y6- PROFILE SEE SHEET 52

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-16/CONST.16
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CONST.REV.

R /W REV.

METRIC 2.5 0 5

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 16

"NC GRID" NAD 83

SOUTHERN BELL TELEPHONE AND TELEGRAPH CO. D.B. 1306 PG. 482

BEATY ENTERPRISES, LTD. D.B. 1270 PG. 347

-Y6- PC Sta.10+23.721

-Y6- POT Sta.10+00.000

S 84°00' 52.0" W

BEGIN CONSTRUCTION -Y6- POC Sta.10+55.000

BEGIN CURB & GUTTER -Y6- STA.10+58.87

+50.000 -Y6- EXIST.R/W

RETAIN

+40.000 EXIST.R/W

-L- PRC Sta.29+79.088

+03.000 EXIST.R/W

-L- PT Sta.30+67.238

END GRADE BEGIN MINIMUM OVERLAY -L- POT Sta.30+75.000

+77.000 18.000m 59.06' EXIST.R/W

89 m TRANSITION

TIE TO EXISTING CURB & GUTTER -L- STA 30+75

8 x 2 x 1 1.5 m weir

20 x 7 x 1 2.5 m weir

END CURB & GUTTER -L- STA.30+81.61

CLASS B RIPRAP 2.7 TONS 9.2 S.M. FF

+23.000 17.158m 56.23' FFCA/IPI1984 PROPERTY CO. D.B. 1824 PG. 758

DO NOT DISTURB SIGN

+35.000 15.000m 49.21'

+40.000 16.000m 52.49'

+69.000 16.000m 52.49'

+79.088 15.000m 49.21'

+51.3712 EXIST.R/W

+74.601 EXIST.R/W

KANTILAL A. PATEL & WF SHANTABEN PATEL DB 2897 PG 933

GASTONIA UNITED OIL CO. D.B. 2404 PG. 813

KANTILAL A. PATEL & WF SHANTABEN PATEL DB 2897 PG 933

MATCHLINE -L- STA 29+20 SHEET 15

MATCHLINE -L- STA 31+00 SHEET 17

REMOVE

RETAIN

NC 274 BESSEMER CITY RD

S 51°08' 14.4" E

S 53°55'07" E

S 51°22'43" E

N 65°58'09" W

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-17/CONST.17
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CLEARING AND GRUBBING DESIGN CONSULTICK CONSTRUCTION SHEET 17

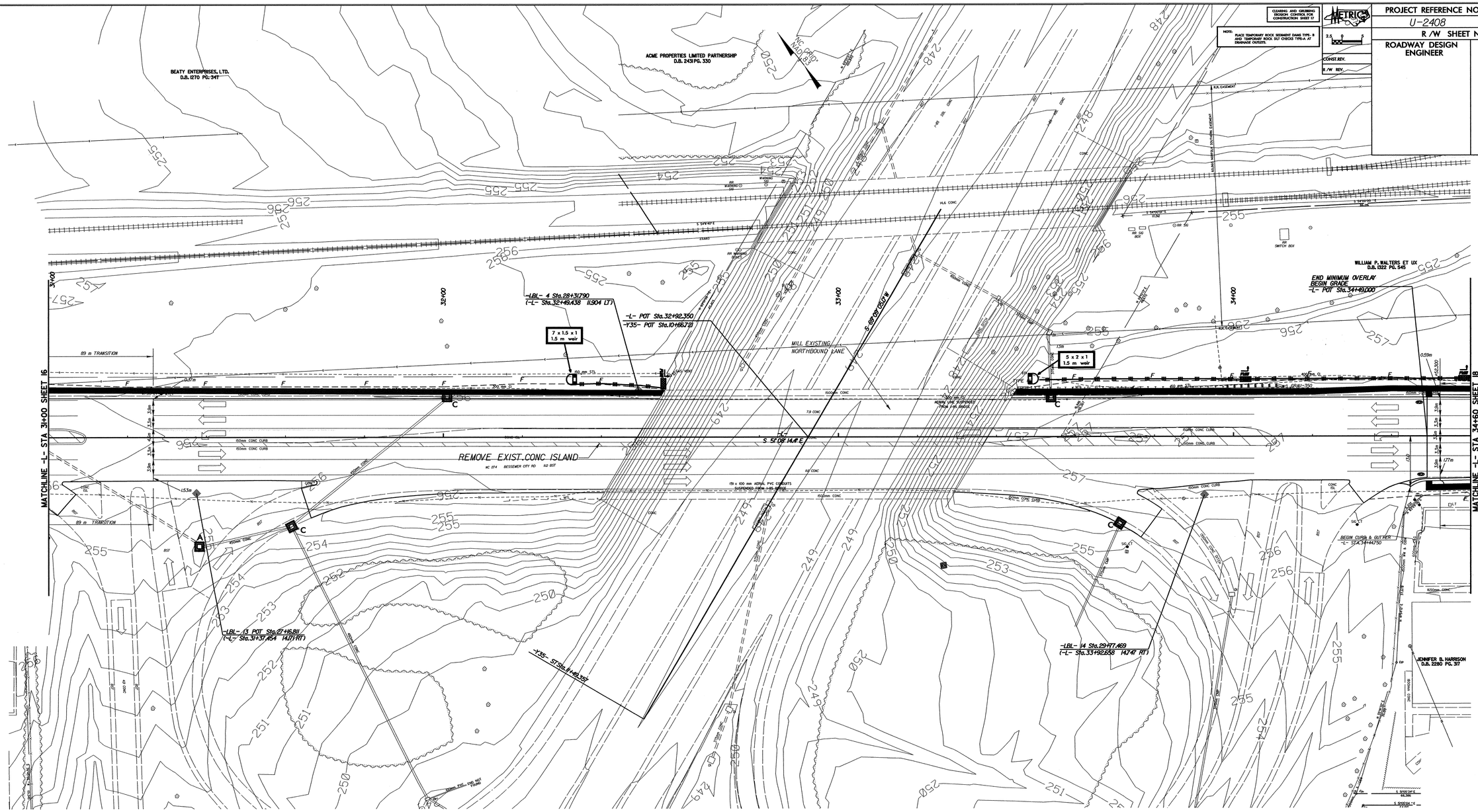
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

METRIC

2.5 0 5

CONST.REV.

R /W REV.



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-18/CONST.18
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.

METRIC 2.5 0 5

CONST.REV.

R /W REV.

8/17/99

MATCHLINE -L- STA 34+60 SHEET 17

MATCHLINE -L- STA 36+40 SHEET 19

"NC GRID" NAD 83

TROY L. DAY ET UX D.B. 1906 PG. 966

TROY L. DAY ET UX D.B. 2494 PG. 697

END CURB & GUTTER -L- STA.35+37.50 LT

BEGIN CURB & GUTTER -L- STA.35+47.000 LT

+49.056 23.530m 77.20'

+49.776 20.000m 65.62' BEG.PROP.CHAIN LINK FENCE STA.35+51.581 19.915m

END PROP.CHAIN LINK FENCE STA.35+61.937 15.710m

+35.071 21.937m 71.97'

DO NOT DISTURB SIGN

+32.000 14.964m 49.09'

+62.000 15.036m 49.33'

+69.908 15.063m 49.42'

VX 48 WATER N 171438.24 E 407011.97 EL 254.87m -L- 36+01.45 9.73 L

VX 47 WATER N 171440.08 E 407014.04 EL 254.44m -L- 36+01.90 12.47 L

VX 52 WATER N 171477.18 E 406961.62 EL 255.09m -L- 35+37.81 8.47 L

VX 51 WATER N 171461.15 E 406954.13 EL 254.86m -L- 35+42.04 8.72 R

VX 50 GAS N 171450.11 E 406967.06 EL 255.00m -L- 35+59.03 9.20 R

-L- S 51° 08' 14.4" E

+68.000 16.382m 53.75'

+61.000 EXISTING R/W

+69.000 15.387m 50.48'

SGH-MYRTLE BEACH, LLC DB 9006 PG 868

BEGIN CURB & GUTTER -L- STA.35+57.116 LT & RT

-LBL- 15 Sta.31+46.365
-Y7BL- 15 Sta.5+99.866
-Y8BL- 15 Sta.5+00.000
(-L- Sta.35+61.550 13.646 RT)

FFCA ACQUISITION CORPORATION DB 2599 PG 281

JENNIFER B. HARRISON D.B. 2280 PG. 317

ROBERT L. SHANNON ET UX D.B. 1218 PG. 546

DRIVEWAY LIMITS

1.5 SIDEWALK

89 m TAPER

FOR -L- PROFILE SEE SHEET 43

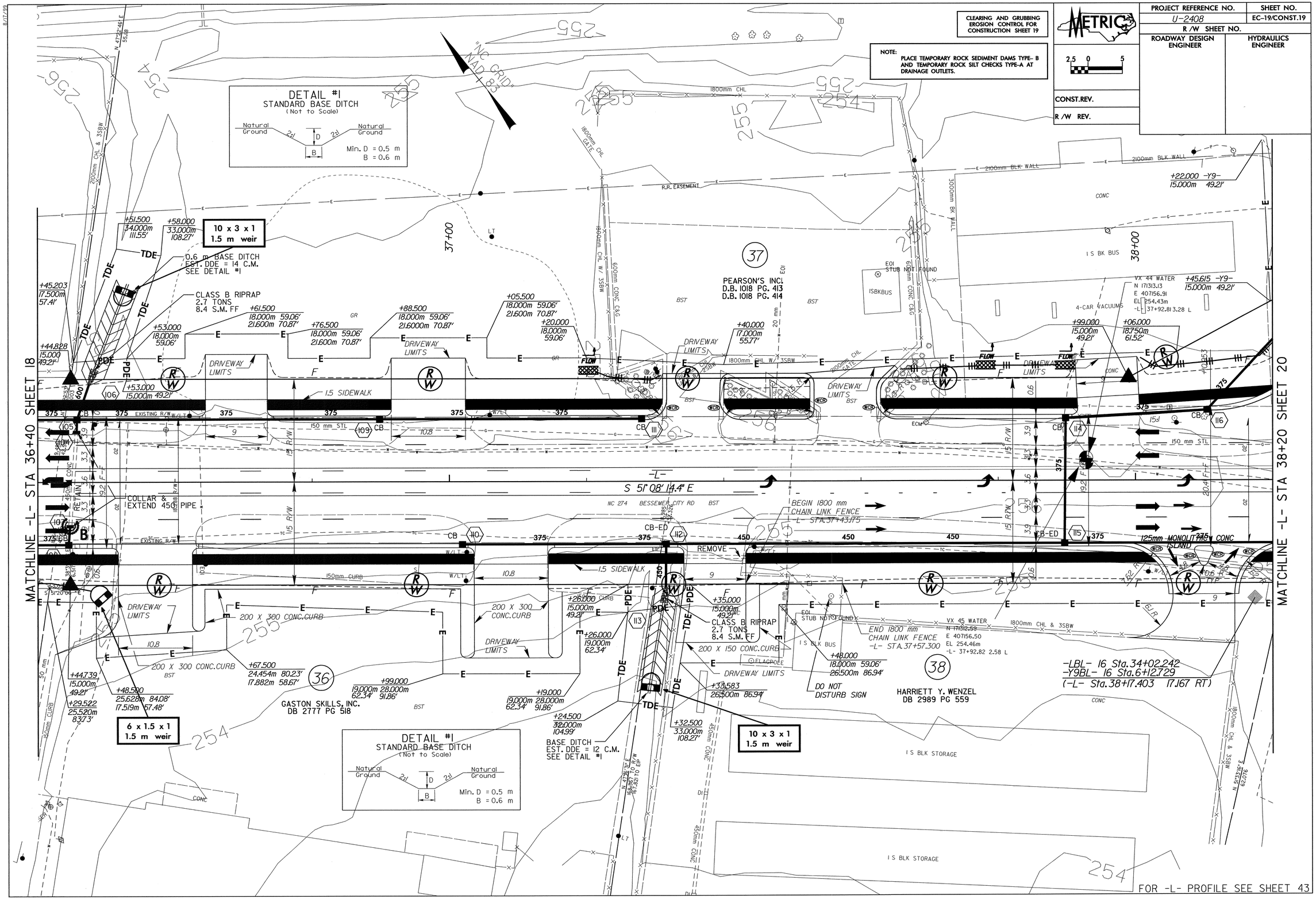
8/17/99

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 19

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

METRIC 2.5 0 5

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-19/CONST.19
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	



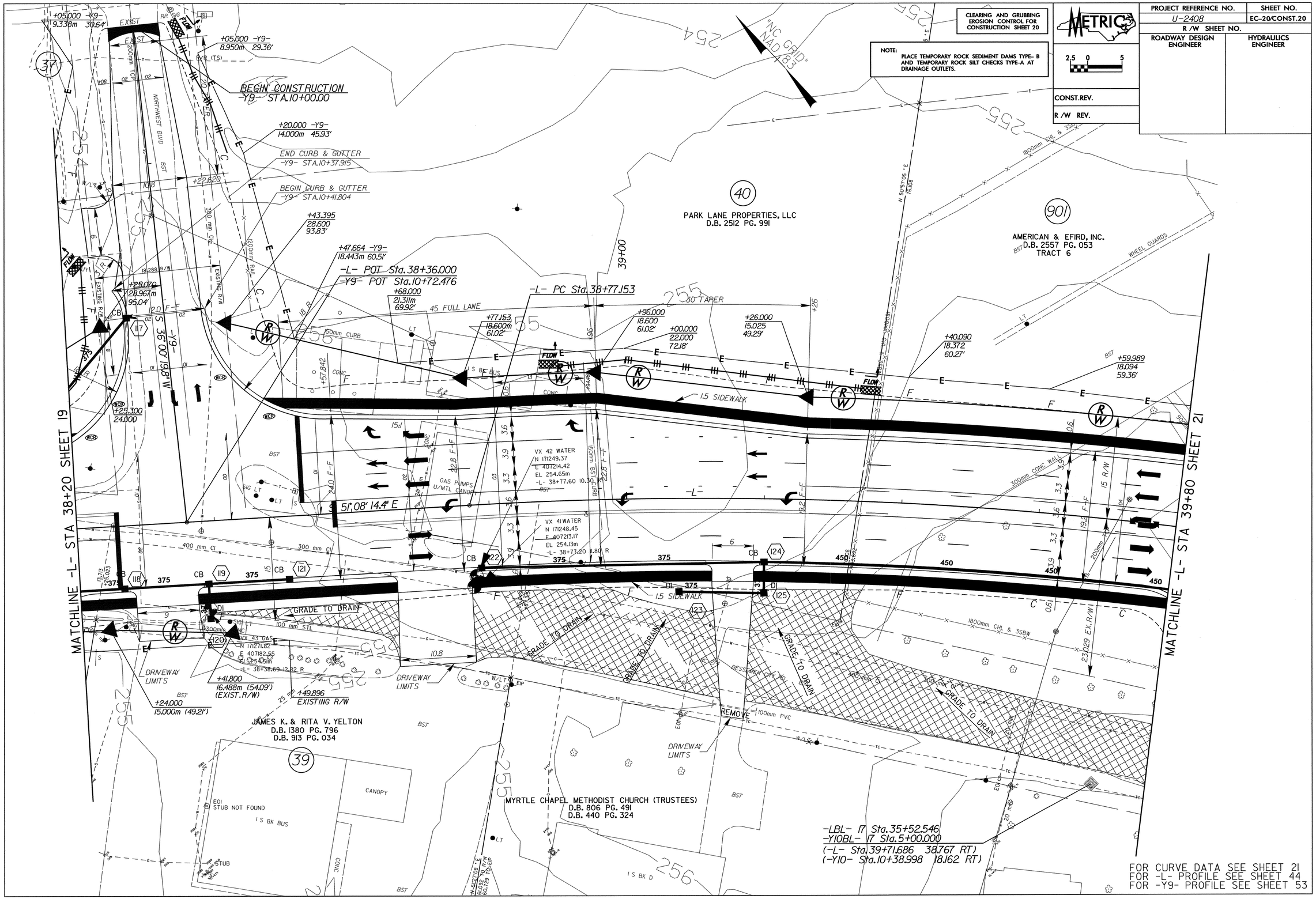
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-20/CONST.20
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CONST.REV.

R /W REV.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 20

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



FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 44
FOR -Y9- PROFILE SEE SHEET 53

8/17/99

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.

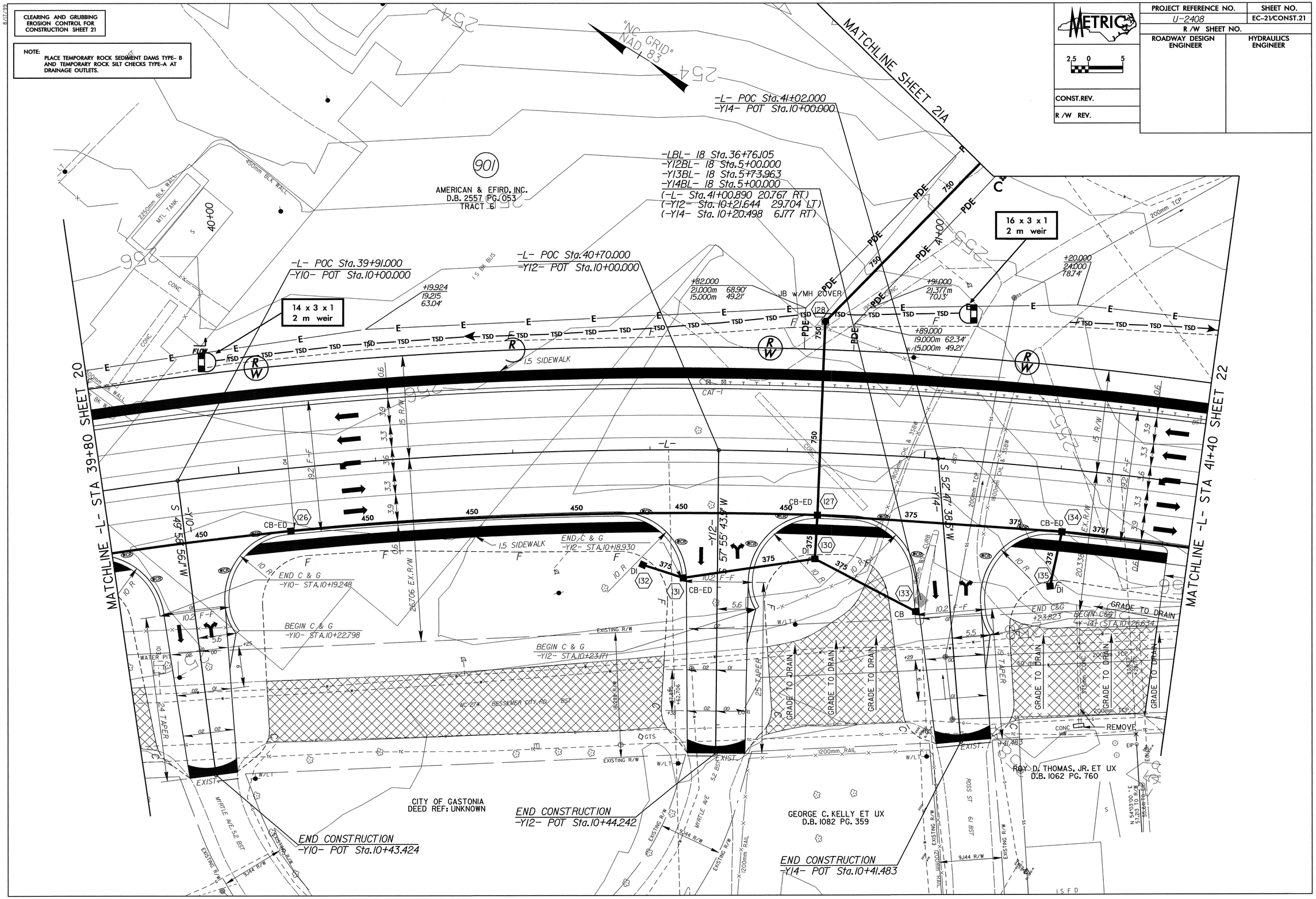
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-21/CONST.21
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



8/17/99

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 21A

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

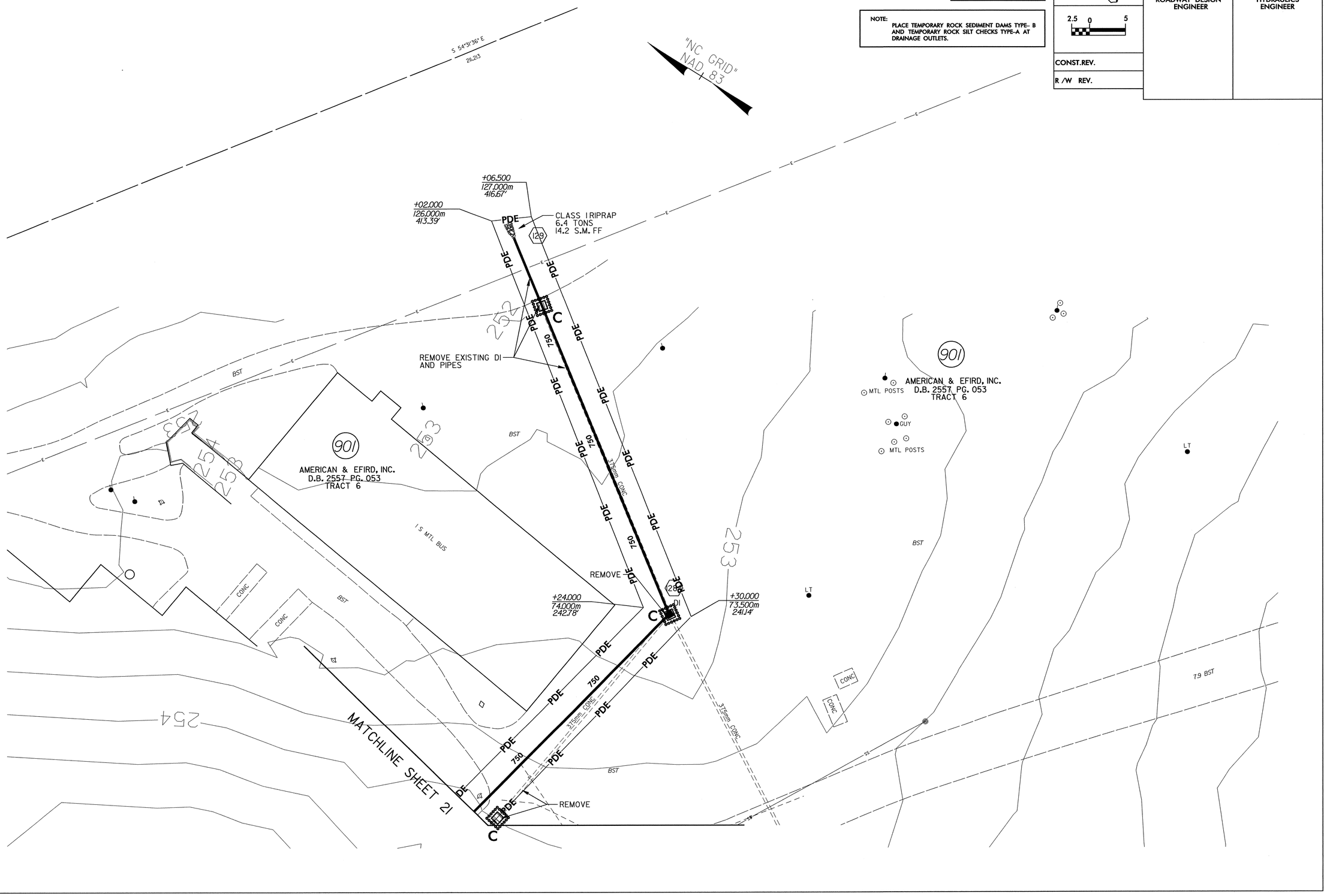
METRIC

2.5 0 5

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-22/CONST.21A
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CONST.REV.

R /W REV.



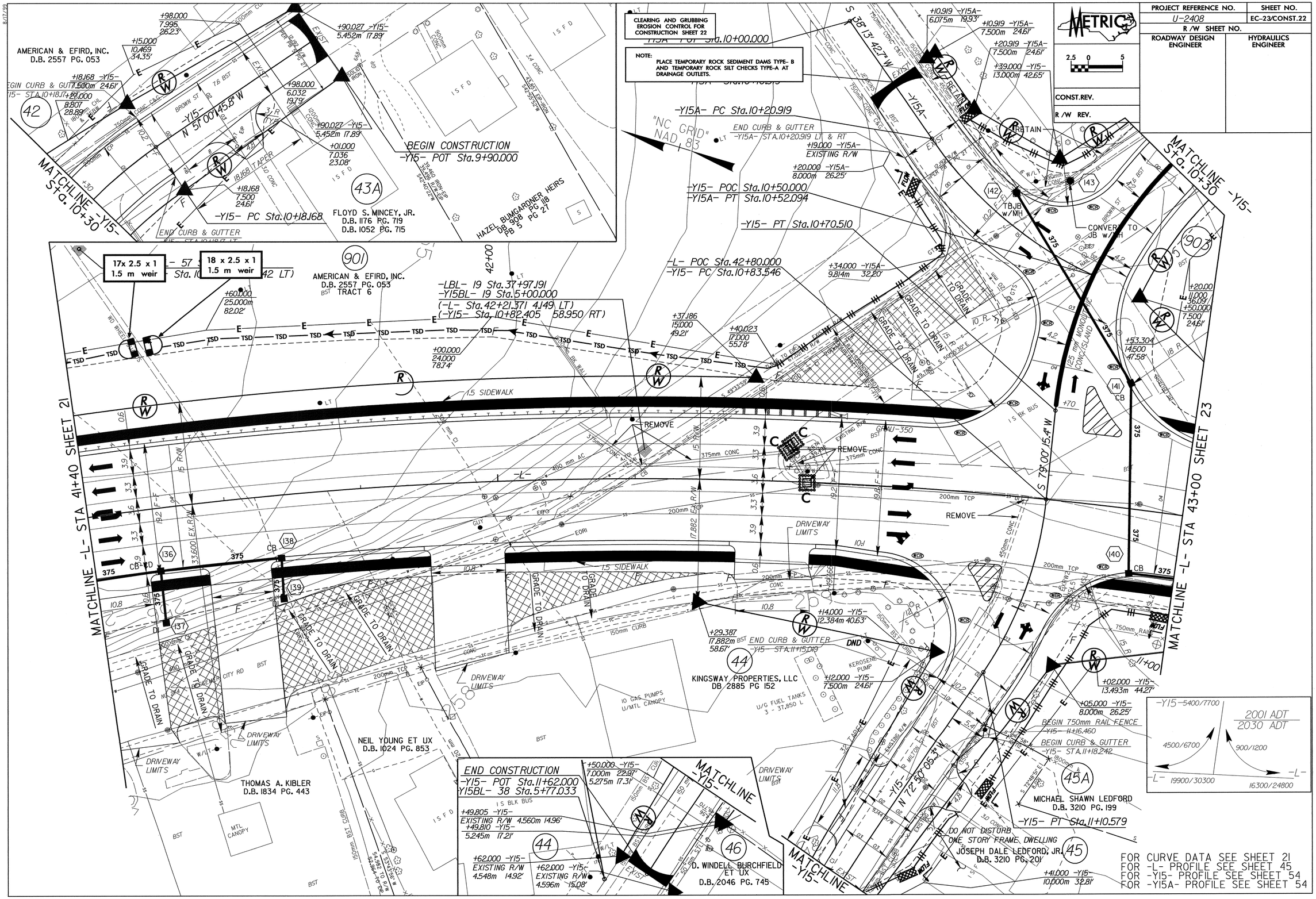
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-23/CONST.22
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC

2.5 0 5

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.



8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-24/CONST.23
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

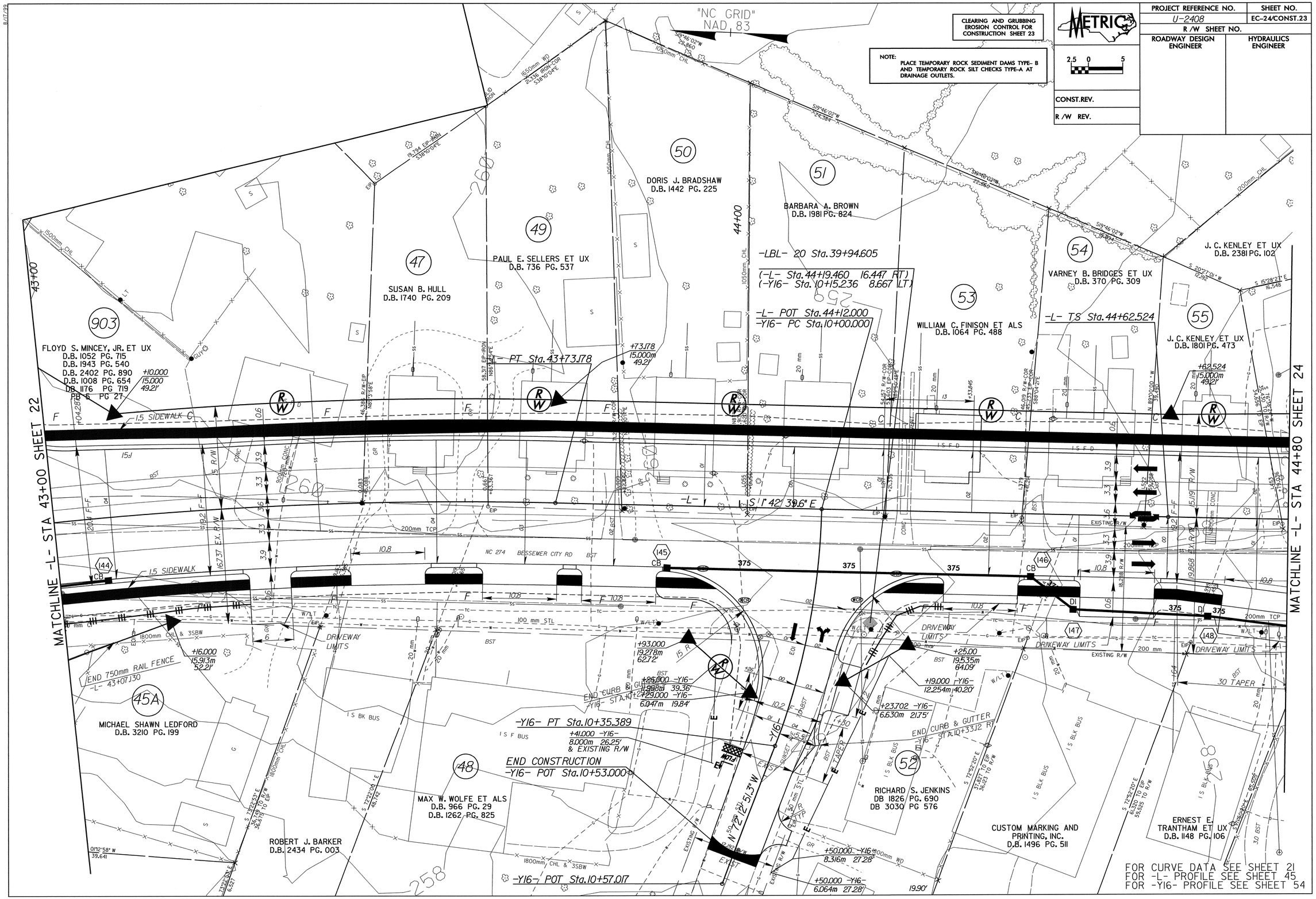
CONST.REV.

R /W REV.

METRIC 2.5 0 5

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.



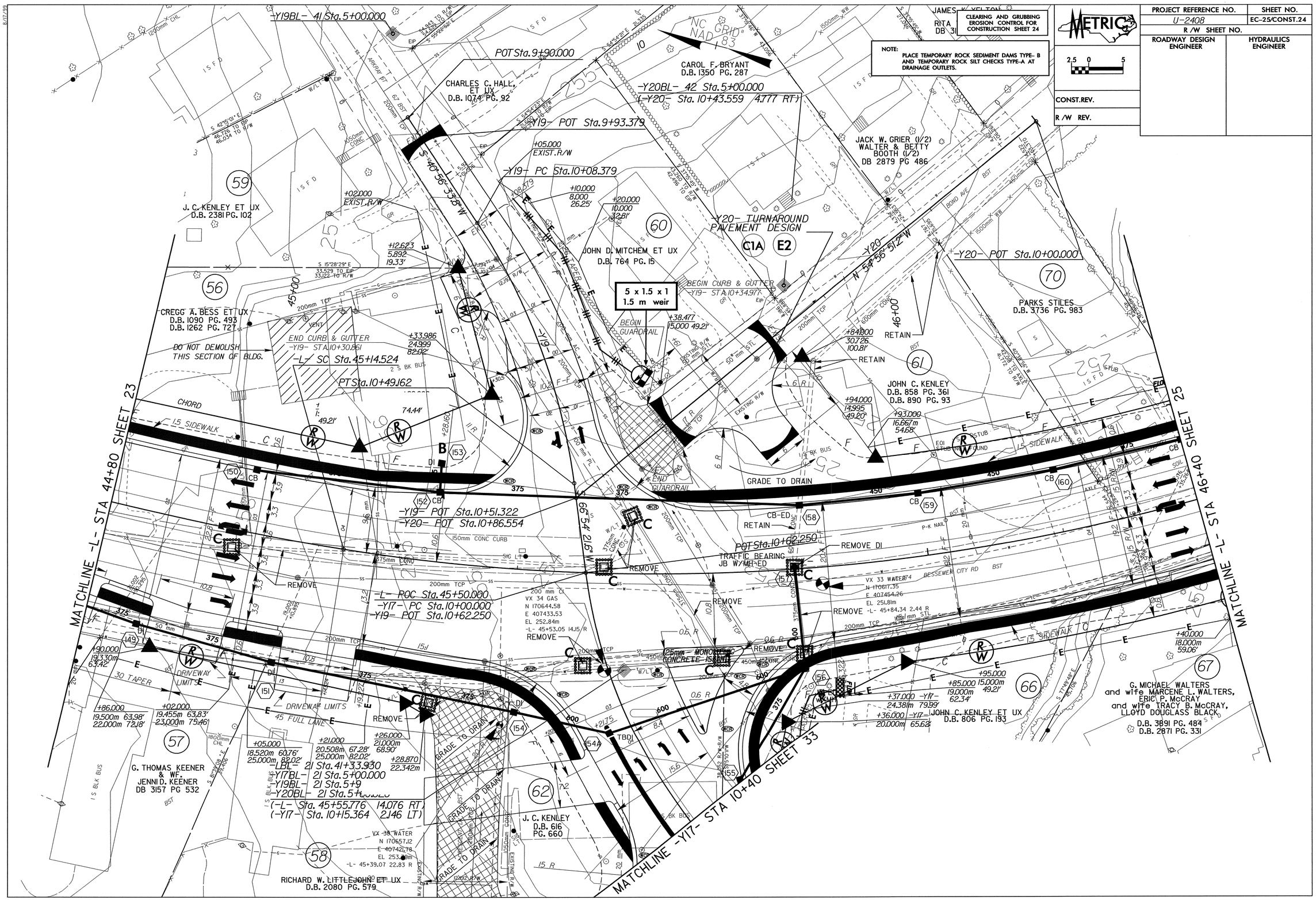
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-25/CONST.24
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC

2.5 0 5

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 24

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



8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-26/CONST.25
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

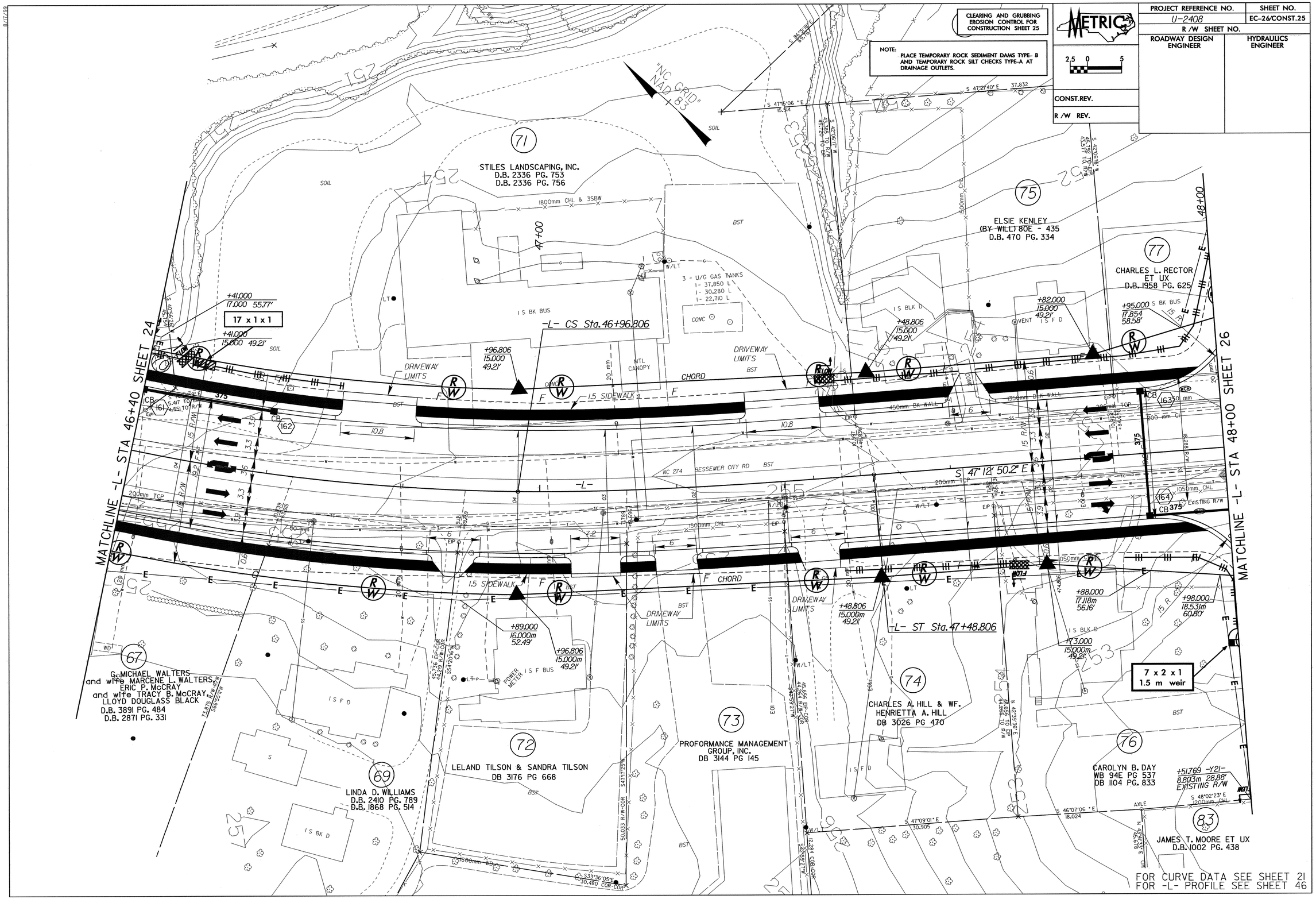
CONST.REV.

R /W REV.

METRIC 2.5 0 5

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-2408	EC-27/CONST.26
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

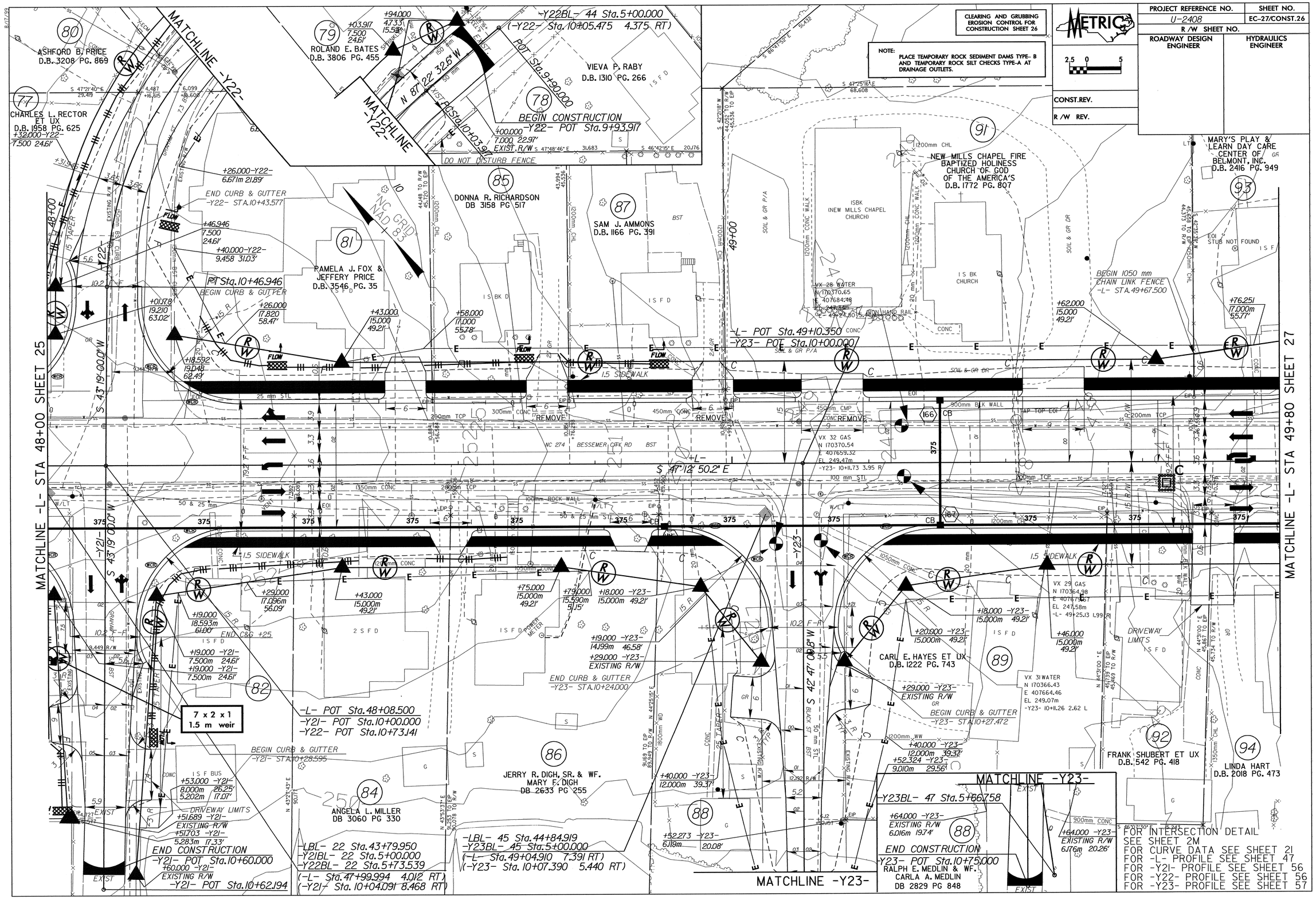
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 26

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

METRIC 2.5 0 5

CONST.REV.

R /W REV.



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-28/CONST.27
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC 2.5 0 5

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 27

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

JAMES A. RABB ET UX D.B. 1144 PG. 856 W.B. 68E PG. 686 D.B. 420 PG. 192

MARY'S PLAY & LEARN DAY CARE CENTER OF BELMONT, INC. D.B. 2416 PG. 949

-Y24- PC Sta.10+00.000

BEGIN CURB & GUTTER -Y24- STA.10+39.434

BEGIN CONSTRUCTION -Y24- POT Sta.10+17.000

-Y24- PT Sta.10+24.910

-L- POC Sta.49+97.600

-Y24- POT Sta.10+67.108

JIMMY B. BUMGARDNER ET UX D.B. 1228 PG. 753

MARTHA J. J. BADGER ET AL D.B. 1286 PG. 269 INCOMPLETE DESCRIPTION

JUNIOR ORDER CHILDREN'S HOME D.B. 302 PG. 547

JOHNNY F. RIDLEY ET AL D.B. 1946 PG. 502

-LBL- 7092 Sta.47+08.273 (-L- Sta.51+25.974 3.052 LT)

-L- POC Sta.50+92.100

-Y25- POT Sta.10+00.000

RALPH V. WITHERS ET UX D.B. 1986 PG. 963

DRIVEWAY LIMITS

BEGIN CURB & GUTTER -Y24- STA.10+42.858

CREATE SAG IN DRIVEWAY AT ELEVATION 239.0 FOR EMERGENCY SPILLWAY

END 1050 mm CHAIN LINK FENCE -L- STA.49+89.825

-L- PC Sta.49+83.913

J. D. GREGORY ET UX D.B. 1232 PG. 552 D.B. 1292 PG. 420

LINDA HART D.B. 2018 PG. 473

ARTHUR V. McCURRY ET UX D.B. 1370 PG. 143

BOBBY SCALES D.B. 1512 PG. 350

CAROL C. RHYNE ET UX D.B. 520 PG. 225

ROLAND D. BLACK D.B. 2166 PG. 839

ROLAND D. BLACK ET ALS D.B. 2360 PG. 976

BEGIN CURB & GUTTER -Y25- STA.10+27.706

END CONSTRUCTION -Y25- POT Sta.10+80.000

-Y25BL- 48 Sta.6+37.043 (-Y25- Sta.10+46.682 4.564 RT)

MATCHLINE -L- STA 49+80 SHEET 26

MATCHLINE -L- STA 51+40 SHEET 28

MATCHLINE -Y25-

FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 48
FOR -Y24- PROFILE SEE SHEET 57
FOR -Y25- PROFILE SEE SHEET 57

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-29/CONST.28
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 28

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

METRIC 2.5 0 5

-Y26- POT Sta.10+00.000

EME REAL ESTATE, LTD., A.N.C. LIMITED PARTNERSHIP DB 2837 PG 69

+18.500-Y26- 5.920m 19.42' TREE TO BE REMOVED

+30.427-Y26- 10.000m 32.81'

BEGIN CONSTRUCTION -Y26- POT Sta.10+12.000

+41.778-Y26- 13.322m 43.71'

END CURB & GUTTER -Y26- STA.10+54.504

+55.393-Y26- 11.992m 39.34'

BEGIN CURB & GUTTER -Y26- STA.10+58.915

TREES IN -Y26- ESMT. TO BE REMOVED

+24.000 -Y26- 6.201m 20.34'

+27.000 6.129m 20.11'

-Y26- PC Sta.10+49.554

-Y26- PT Sta.10+76.748

+49.000 -Y26- 9.392m 30.81'

JAMES H. MANEY ET UX D.B. 2088 PG. 012

END CURB & GUTTER -Y27- STA.10+35.044

-Y27- POT Sta.10+00.000

BEGIN CONSTRUCTION -Y27- POT Sta.10+13.452

-Y27- PC Sta.10+38.452

+27.000-Y27- 7.494 24.59'

BEGIN CURB & GUTTER -Y27- STA.10+38.452

+40.000-Y27- 12.000 39.37'

+32.000 26.818 87.99'

LARRY E. STARNES, ET AL D.B. 2188 PG. 368

THERMAN LAMAR POOLE & WF. LINDA WARLICK POOLE DB 2882 PG 878

FREDERICK M. DOW & WF. CAROLYN M. DOW DB 3083 PG 797

CLASS I RIPRAP EST. 21 MTONS 28.3 CM F.F.

ROND EST DDE 403 C.M.

OTCB OPEN 3 SIDES

OTCB OPEN 4 SIDES

0.6 m BASE LATERAL DITCH SEE DETAIL #3

1.5 SIDEWALK

VX 16 WATER N 170177.63 E 407876.08 EL 240.76m -Y26- 10+67.911 11.99 L

VX 17 GAS N 170161.52 E 407876.03 EL 241.22m -L- 52+05.39 18.52 L

800 T-RISER NON-PERFORATED WITH 50mm DRAIN TOP RISER EL. 237.7 BOTTOM POND EL. 237.0

MATCHLINE -L- STA 51+40 SHEET 27

MATCHLINE -L- STA 53+00 SHEET 29

-L- POC Sta.51+82.000

-Y26- PT Sta.10+90.921

BEGIN RETAINING WALL AND CHAIN LINK FENCE -L- STA.51+83.000 13.8m RT (SEE SHEETS W-1 & W-2)

BASE DITCH SEE DETAIL #5 EST. DDE 10.8 +89.000 28.385m 93.13'

CLASS I RIPRAP EST. 12 MTONS, 14.4 S.M. F.F.

ROCK VANE

THERMAN L. & LINDA W. POOLE D.B. 2882 PG. 878

-L- POC Sta.52+24.000

-Y27- PT Sta.10+69.507

END RETAINING WALL AND CHAIN LINK FENCE -L- STA.52+45.000 13.8m RT (SEE SHEETS W-1 & W-2)

DRIVEWAY LIMITS

HILLARY M. VESTAL ET UX D.B. 2012 PG. 740

ROLAND D. BLACK D.B. 2166 PG. 839

9 x 2.5 x 1 1.5 m weir

12 x 4 x 1 1.5 m weir

11 x 4 x 1 1.5 m weir

-L- Sta.52+19.362 (3.x(49.1 LT)

(-Y25- Sta. 10+14.590 128.669 LT)

(-Y26- Sta. 10+76.513 38.204 LT)

(-Y27- Sta. 10+53.244 3.499 RT)

DETAIL #5
STANDARD BASE DITCH
(Not to Scale)

Natural Ground 2:1 D d B 2:1 Natural Ground

Filter Fabric

* When B is ≥1.8m Std. No. 868.01

Type of Liner A CLASS 'I' RIPRAP

Min. D = 0.5 m
Max. d = 0.5 m
B = VAR m

DETAIL #3
SPECIAL CUT BASE DITCH
(Not to Scale)

Natural Ground 2:1 D B 4:1 or Flatter Front Ditch Slope

Min. D = 0.5 m
B = 0.6 m

-L- STA 52+48 TO STA 52+80 LT

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-30/CONST.29
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC 2.5 0 5

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 29

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

DETAIL #2
LATERAL BASE DITCH
(Not to Scale)
Natural Ground, 2:1, D, B, b, .08m/m, Fill Slope
Min. D = 0.5 m
B = 0.6 m
b = 1.5 m

DETAIL #7
STANDARD BASE DITCH
(Not to Scale)
Natural Ground, 2:1, D, d, B
Filter Fabric
Min. D = 1.0 m
Max. d = 0.6 m
B = VAR m
* When B is ≥1.8m Std. No. 868.01
Type of Liner = CLASS I RIPRAP

12 x 3.5 x 1
50.8 mm Skimmer with 38.1 mm Orifice Diameter
1.5 m weir

10 x 3 x 1
1.5 m weir

"NC GRID" NAD 83

NELLIE M. HAYES MARTIN
D.B. 2482 PG. 742

-Y28- POT Sta.10+00.000

BEGIN CONSTRUCTION
-Y28- POT Sta.10+25.000

+32.000-Y28- EXIST.R/W
+40.000-Y28- 11.000 36.09'
TIE TO EXIST DITCH
END CURB & GUTTER -Y28- STA.10+43.672
+39.000-Y28- EXIST.R/W
+14.864 22.433 73.60'
+11.000 21.93m 69.53'
+09.000 17.910m 58.43'
+29.560 23.823 78.16'
+57.170 -Y28- 10.498m 34.44'
BEGIN CURB & GUTTER -Y28- STA.10+46.868
-Y28- PC Sta.10+52.573

VX 12 WATER
N 170048.66
E 407929.51
EL 240.90m
-L- 53+26.76 22.34 L

VX 13 GAS
N 170048.05
E 407929.52
EL 241.14m
-L- 53+27.33 22.15 L

VX 11 WATER
N 170043.19
E 407921.11
EL 240.56m
-L- 53+29.23 12.63 L

-LBL- 5 Sta.49+44.670
-Y28BL- 5 Sta.5+83.767
(-L- Sta.53+57.517 18.017 LT)
(-Y28- Sta. 10+65.855 31.841 LT)

+61.146 18.000m 59.06'
+78.000 15.000 49.21'

RAY SMITH
DB 3259 PG 308

BASE DITCH
EST. DIE 25 C.M.
SEE DETAIL #7
CLASS I RIPRAP
EST. 33 TONS
EST. 17.6 S.M. F.F.

0.6 m LATERAL BASE DITCH
SEE DETAIL #2

VX 10 WATER
N 169936.33
E 407952.90
EL 238.79m
-L- 54+40.47 11.20 L

CLASS B RIPRAP
2.7 TONS
8.4 S.M. FF

+37.000 59.06' 18.000
+37.000 49.21' 15.000 LT
+53.000 85.31' 26.000 LT
+37.000 21.000 LT 68.90'
+59.000 27.000 LT 88.58'
+66.000 20.000 LT 65.62'
+66.000 15.000 LT 49.21'
REMOVE

VX 7 WATER
N 169918.45
E 407957.96
EL 237.37m
-L- 54+59.05 10.73 L

DRIVEWAY LIMITS

NC 274 | BESSEMER CITY RD 8.2 BST

S 17° 14' 20.6" E

1.5 SIDEWALK

FILL W/ FLOWABLE FILL

1650 BORE & JACK

MATCHLINE -L- STA 53+00 SHEET 28

MATCHLINE -L- STA 54+80 SHEET 30

-L- PT Sta.53+42.278

-L- POC Sta.53+28.000
-Y28- PT Sta.10+76.766

+42.278 15.000m 49.21'
+64.000 17.500m 57.41'
+25.000 16.500m 54.13'
+17.000 21.000m 68.90'
+77.000 15.000m 49.21'

VX 14 GAS
N 170042.53

VX 9 GAS
N 169933.49
E 407943.19
EL 239.14m
-L- 54+40.30 1.08 L

VX 6 GAS
N 169909.52
E 407949.73
EL 238.67m
-L- 54+65.14 0.23 L

ELMORE M. BRYANT
D.B. 2242 PG. 775
D.B. 2301 PG. 412

MARGARET H. CALDWELL
D.B. 648 PG. 591

JERRY L. HIBBERTS ET UX
D.B. 2353 PG. 680

RAY H. SMITH ST UX
D.B. 2309 PG. 834

FOR -Y28- PROFILE SEE SHEET 58

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-31/CONST.30
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

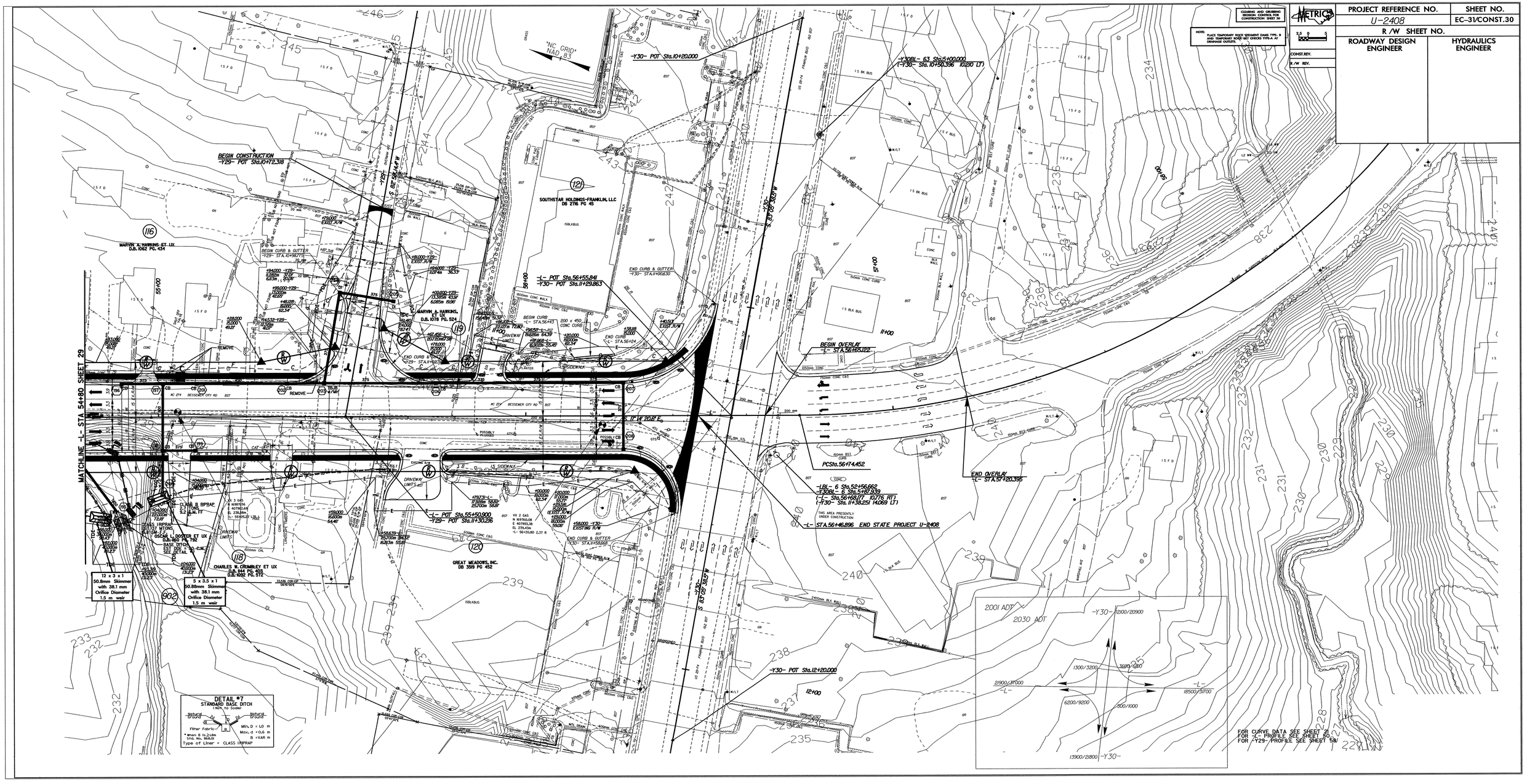
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 30

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

METRIC

CONST.REV.

R/W REV.



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PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-32/CONST.31
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC

2.5 0 5

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

NC GRID NAD 83

PAUL L. HOLLAND, ET UX
DB 3063 PG 752

CHRISIE DAWN LANCASTER
DB 3073 PG 18

-Y2ABL- 27 Sta.5+00.000

-Y2BBL- 28 Sta.5+00.000

-Y2B- POT Sta.10+00.000

BEGIN CONSTRUCTION
-Y2A- POT Sta.9+85.000

BEGIN CONSTRUCTION
-Y2B- POT Sta.10+08.95l

-Y2A- PC Sta.10+51.619

-Y2B- PC Sta.10+23.95l

7 x 2 x 1
1.5 m weir

8 x 2 x 1
1.5 m weir

7 x 2 x 1
1.5 m weir

7 x 1.5 x 0.5
1.5 m weir

+93.234 -Y2A-
6.406m 21.02'

+89.949 -Y2A-
5.797m 19.02'

+20.000 -Y2A-
15.000m 49.21'

+20.000 -Y2A-
12.000m 39.37'

+60.000 -Y2A-
14.000m 45.93'

+60.000 -Y2A-
12.000m 39.37'

+24.888 -Y2B-
8.882m 29.14'

+22.802 -Y2B-
9.434m 30.95'

+40.000 -Y2B-
16.000m 52.49'

84.283 R/W-R/W
S55°01'44"E

98.534 EIP-R/W
S42°43'34"E

71.860 EIP-EIP(& R/W)
S55°30'44"E

S 88°46'56" E
73.055 TO R/W
73.171 TO EIP

S 33° 32' 32.0" W

S 50° 56' 56.6" W

30 TAPER

TIE TO EXISTING DITCH

TIE TO EXISTING DITCH

8

TRUSTEES OF BRIGHT LIGHT
BAPTIST CHURCH
DB 3002 PG 41

9

TRUSTEES OF BRIGHT LIGHT
BAPTIST CHURCH
DB 806 PG 369
DB 1882 PG 674
DB 1882 PG 676

10

HAYWOOD EQUITY GROUP
LIMITED PARTNERSHIP
DB 2877 PG 232

7

ROBERT B. RHYNE
DB 1903 PG 287
PB 6 PG 53

GASTONIA TOWNSHIP
GASTONIA CORPORATE LIMITS (PB 39 PG 6)

SPECIAL DITCH
-Y2B- STA 10+25
TO 10+60 RT
SEE PROFILE

SPECIAL DITCH
-Y2B- STA 10+40
TO 10+72 LT
SEE PROFILE

DRIVEWAY LIMITS

SEPTIC TANKS

GUARD POST

GAS REGULATOR

EXIST.

REMOVE

RETAIN

DALLAS-BESSEMER CITY RD

WHITE & JENKINS RD

NC 275

MATCHLINE -Y2A- STA 10+70 SHEET 7

MATCHLINE -Y2B- STA 10+45 SHEET 7

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CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 32

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

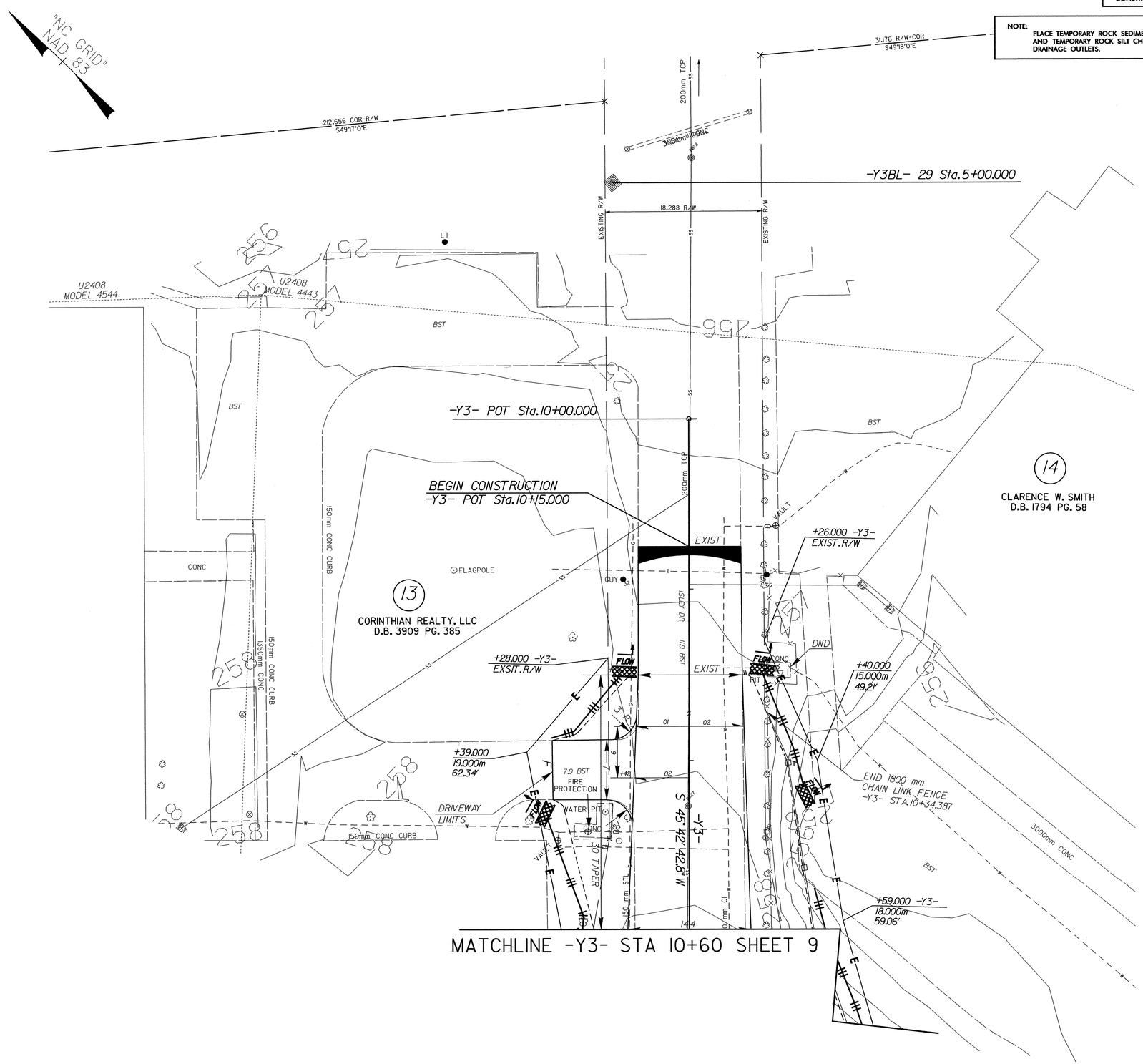
METRIC

2.5 0 5

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-33/CONST.32
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CONST.REV.

R /W REV.



8/17/99

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 33

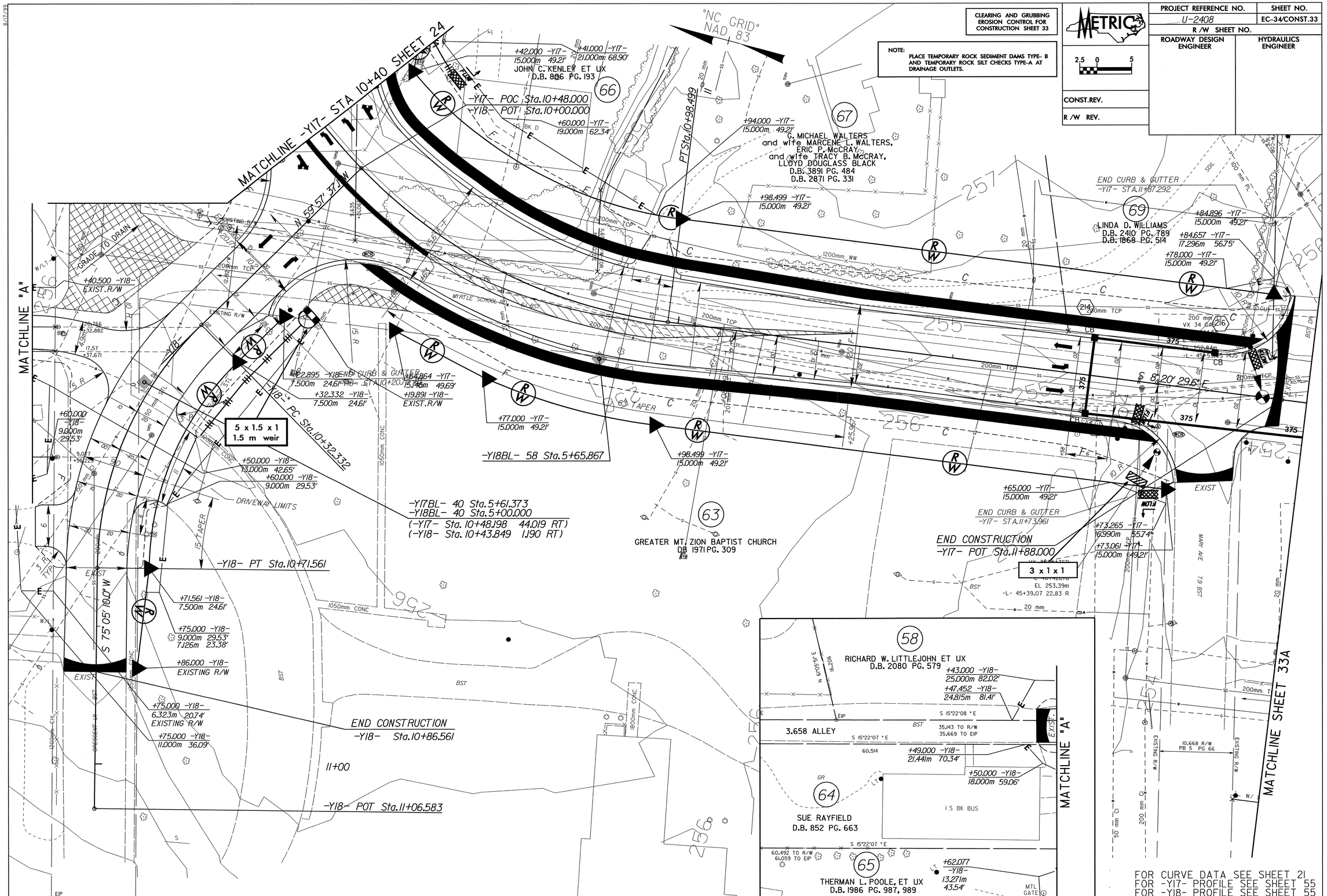
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

METRIC
2.5 0 5

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-34/CONST.33
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

CONST.REV.

R /W REV.



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PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-35/CONST.33A
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

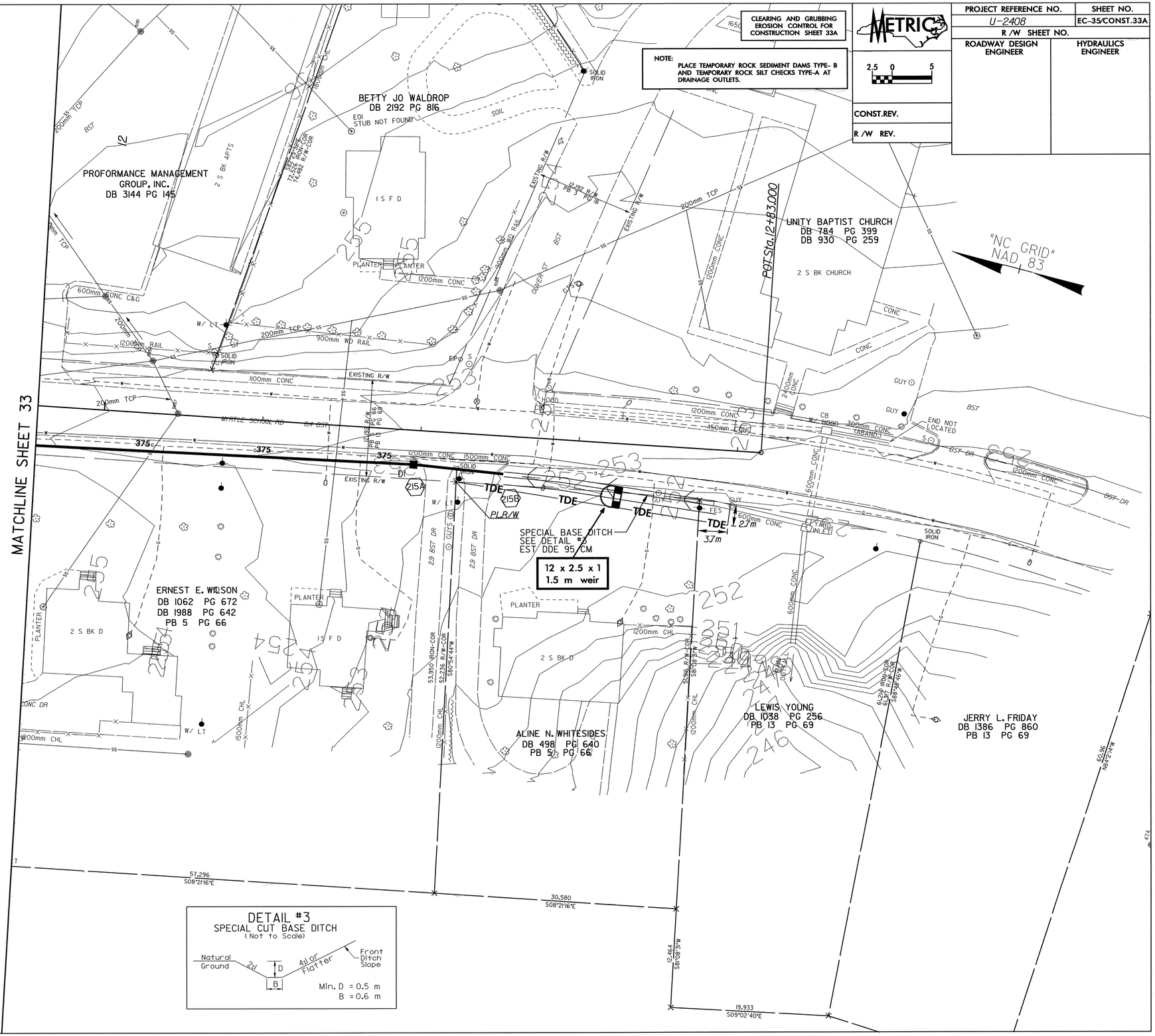
CONST.REV.

R /W REV.

METRIC 2.5 0 5

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 33A

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



DETAIL #3
SPECIAL CUT BASE DITCH
(Not to Scale)

Min. D = 0.5 m
B = 0.6 m

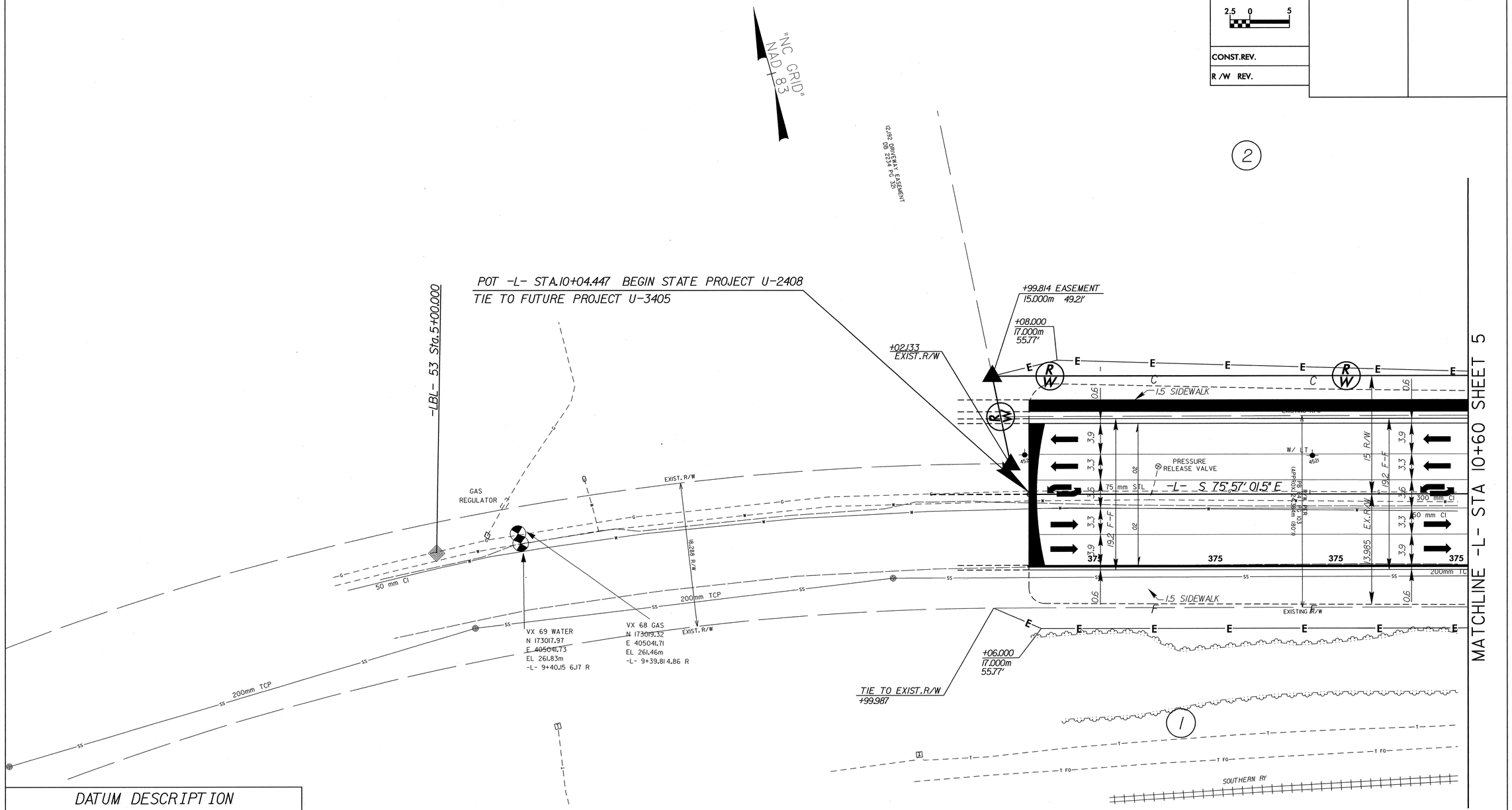
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-36/CONST.04
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT
IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY
NCDOT FOR MONUMENT "U2408-4"
WITH NAD 83 STATE PLANE GRID COORDINATES OF
NORTHING: 171660.798(m) EASTING: 406739.240(m)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT
(GROUND TO GRID) IS: 0.999838033
THE N.C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"U2408-4" TO -L- STATION 10+04.447 IS

2,117.706m BEARING N 50° 28' 54.3" W

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29

23-MAR-2006 15:00
g:\tpk\projects\u2408\environmental\Design\Plan Sheets\u2408a04_EC.pah
Depicted in: R1 REV:22.000

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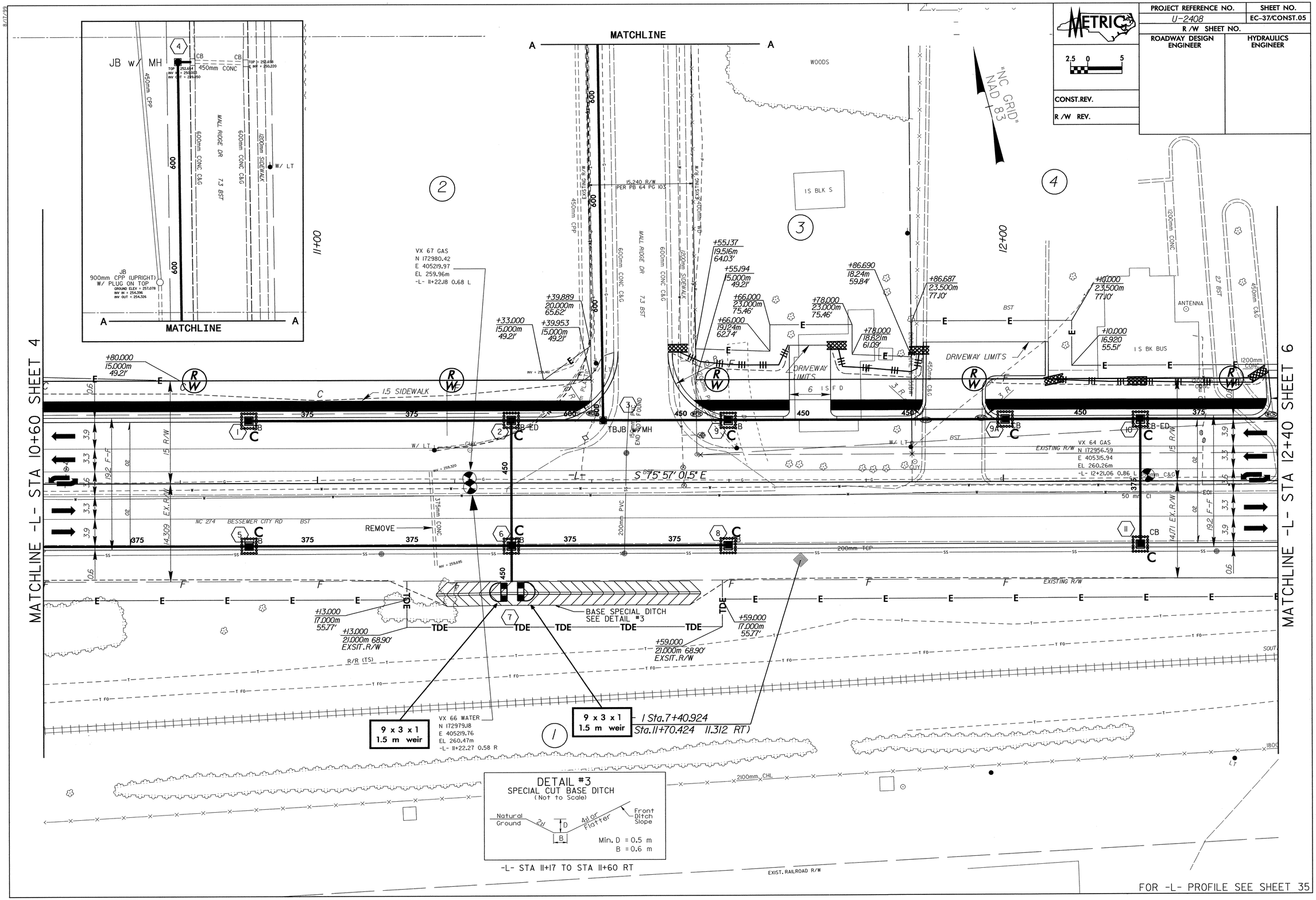
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-37/CONST.05
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC 2.5 0 5



FOR -L- PROFILE SEE SHEET 35

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-38/CONST.06
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC 2.5 0 5

8/17/99

CROWDERS MOUNTAIN TOWNSHIP
GASTONIA CORPORATE LIMITS (PB 39 PG 6)
(70.104 (230') OFFSET FROM CENTERLINE NC-274)

2001 ADT / 2030 ADT
-Y2B- 8000/12900
2900/4800
3700/6300
-L- 13400/21100
-L- 14400/22800
500/600
700/800
-Y1- 2600/3200

"NC GRID" NAD 83

MATCHLINE -L- STA 12+40 SHEET 5

MATCHLINE -L- STA 14+20 SHEET 7

4 RUTHERFORD ELECTRIC MEMBERSHIP CORPORATION DB 606 PG 270 PB 6 PG 53

5 MARY E. LYTTON DB 722 PG 292 DB 698 PG 246 PB 6 PG 53

6 MARGARET C. CRISP DB 712 PG 118 PB 6 PG 53

7 ROBERT B. RHYNE DB 1903 PG 287 PB 6 PG 53

12 ALLIANCE REAL ESTATE D.B. 3509 PG. 343

1 PARKDALE MILLS, INC. D.B. 2265 PG. 761

WALTER PAYNE AND WIFE ALMA C. PAYNE D.B. 558 PG. 169

-L- PC Sta.13+87.524

-Y1- PT Sta.10+28.372

END CONSTRUCTION
-Y1- POT Sta.10+31.447

-LBL- 115 Sta.9+83.065
-Y1BL- 115 Sta.5+00.000
-Y2ABL- 115 Sta.6+83.505
-Y2BBL- 115 Sta.6+88.276
(-L- Sta.14+13.125 21.74 RT)
(-Y1- Sta.10+23.415 4.363 LT)

-Y1- POT Sta.10+89.119

S 75° 57' 01.5" E

S 74° 22' 05.0" W

NC 274 BESSEMER CITY RD

SOUTHERN RY

RR SPUR

EXIST. RAILROAD R/W

SR 1313 FRALEY RD

SR 1312 OATES RD

CROWDERS MOUNTAIN TOWNSHIP
GASTONIA CORPORATE LIMITS (PB 39 PG 6)
(9.449 (31') OFFSET FROM CENTERLINE OATES RD.)

DRIVEWAY LIMITS

DO NOT DISTURB ISLAND

DO NOT DISTURB TRAILER

5 x 1.5 x 1

1.5 SIDEWALK

0.076 R/W-FENCE COR

FENCE CORNER

LANDSCAPE TIMBERS

25 mm PLASTIC

75 mm STL

150 mm STL

300 mm CI

200 mm CI

200mm TCP

75 mm GAS LINE NOT ABANDONED THIS SIDE VALVE PER BESSEMER CITY GAS DEPARTMENT

ABANDONED GAS LINE PER BESSEMER CITY GAS DEPARTMENT

150mm BST CURB

150mm CONC CURB

150mm CONC CURB

CONC ISL

1500mm CONC WALK (UNDER OVERHANG)

ISBKBUS

STOOP

GUARD POST

GAS VENT

WATER PIT

1800mm CHL

1800mm CIP

130.480' EACH SIDE OF CENTERLINE OF OLD TRACK NOW REMOVED)

60.960 R/W

+87.524 15.000m 49.21'

+05.000 15.000m 49.21'

+13.000 17.852m 58.57'

+18.000 -L- 19.694m 55.88'

+39.000 -Y1- 6.134m 20.13'
-Y1- STA.10+21.64 LT
END CURB & GUTTER

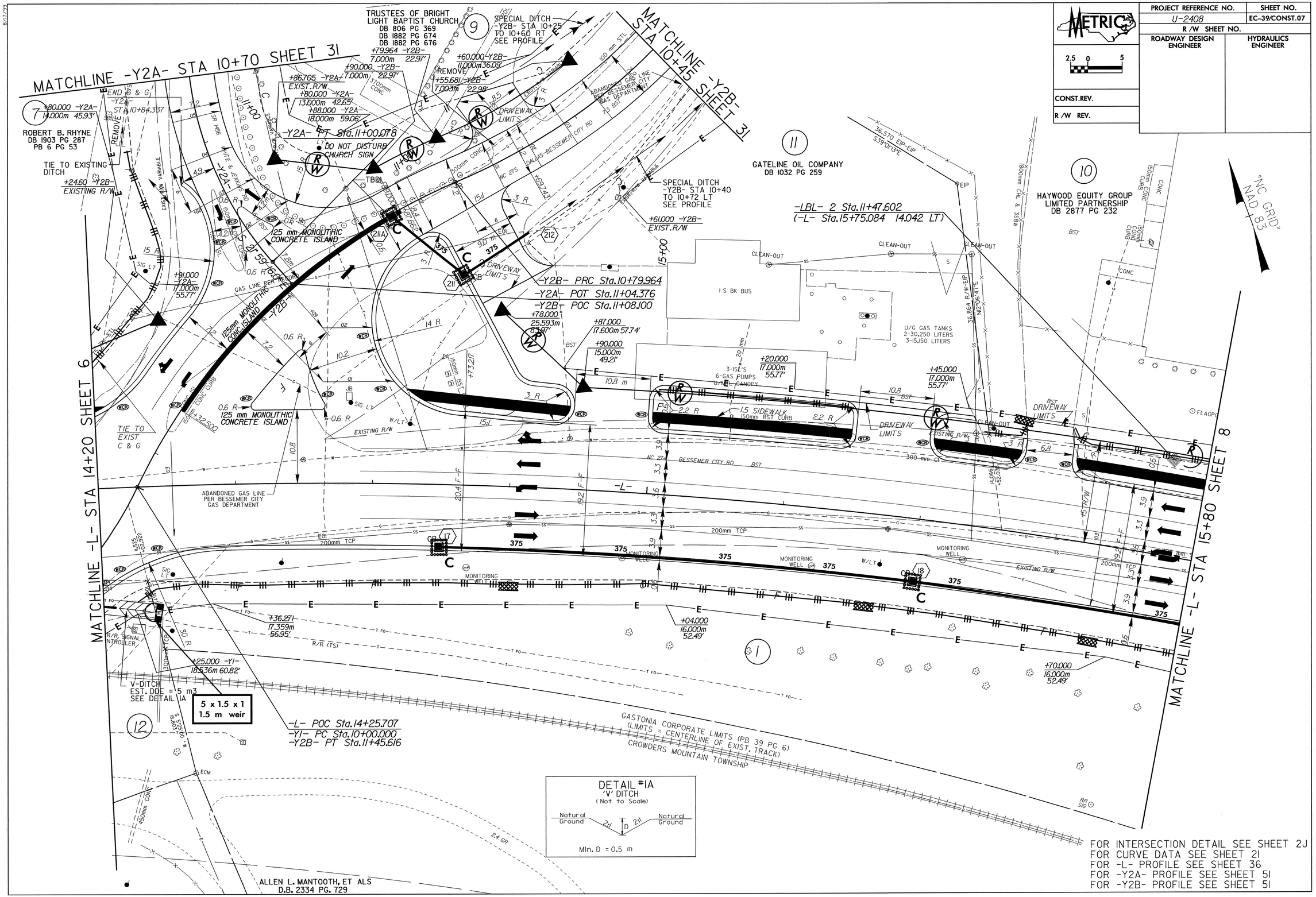
-Y1- STA.10+35.701 RT
END CURB & GUTTER

+95.000 16.590m 54.43' EXIST.

FOR INTERSECTION DETAIL SEE SHEET 2J
FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 35
FOR -Y1- PROFILE SEE SHEET 51

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-39/CONST.07
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC 2.5 0 5



FOR INTERSECTION DETAIL SEE SHEET 2J
FOR CURVE DATA SEE SHEET 2I
FOR -L- PROFILE SEE SHEET 36
FOR -Y2A- PROFILE SEE SHEET 5I
FOR -Y2B- PROFILE SEE SHEET 5I

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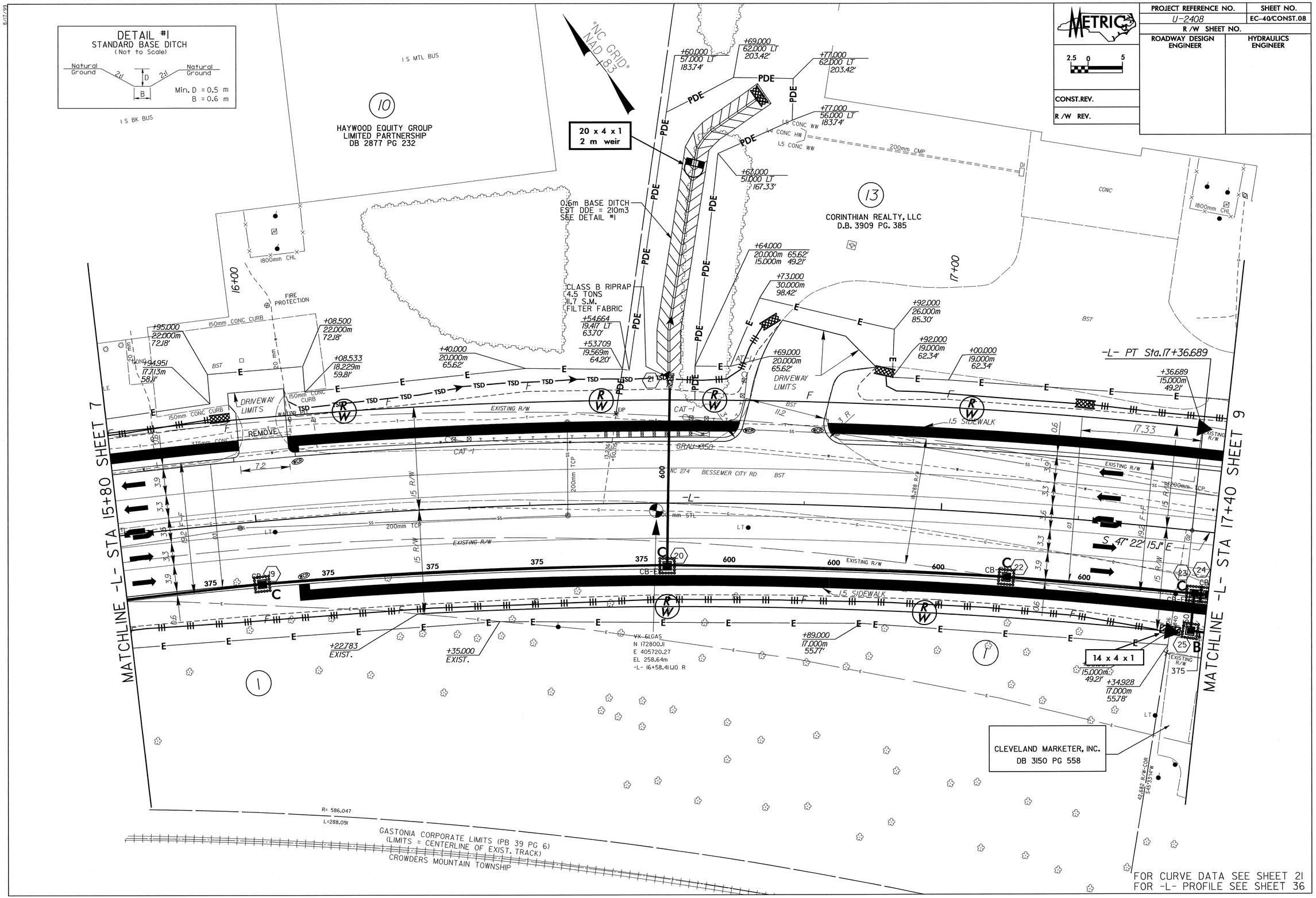
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-40/CONST.08
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



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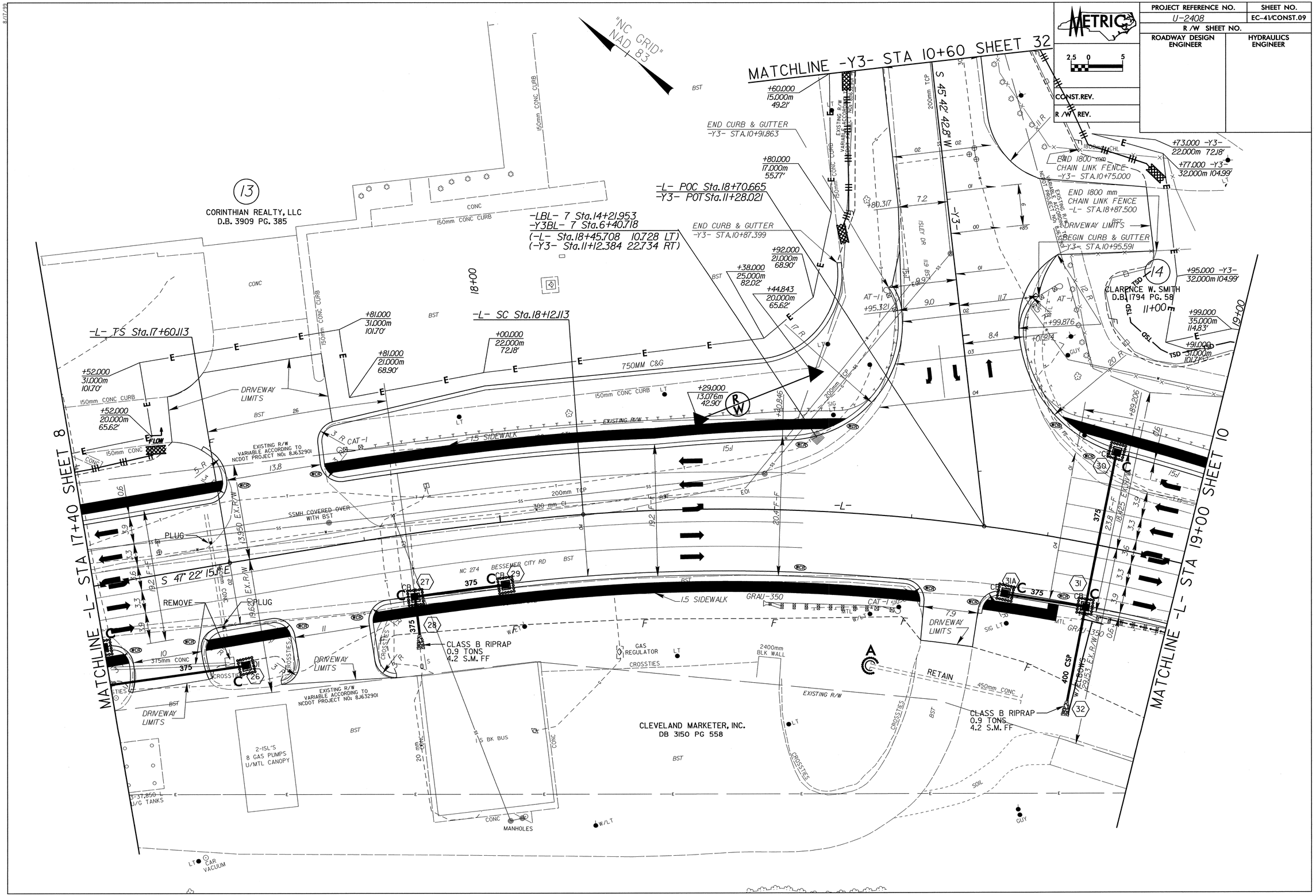
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-41/CONST.09
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC 2.5 0 5

CONST.REV.

R /W REV.



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-42/CONST.10
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.

8/17/99

"NC GRID" NAD 83

MATCHLINE -L- STA 19+00 SHEET 9

MATCHLINE -L- STA 20+60 SHEET 11

RETAIN EXISTING SYSTEM

375mm CONC

300mm CMP

450mm CONC

600mm CMP

3000mm CONC

25 x 3 x 1
1.5 m weir

14

CLARENCE W. SMITH
D.B. 1794 PG. 58

+20.000
38.000m
124.67'

+40.000
39.000m
127.95'

+60.000
39.000m
127.95'

+81.000
36.000m
118.11'

+03.000
39.000 LT
127.95'

+08.000
39.000 LT
127.95'

+07.000
EXIST R/W

+89.000
30.410m
99.77'

+02.000
EXIST R/W

EXISTING R/W
VARIABLE ACCORDING TO
NCDOT PROJECT NO: 8J.630901

END 1800 mm
CHAIN LINK FENCE
-L- STA.19+97.312

-L- CS Sta.19+53.705

-L- POT Sta.20+57.612

-RR- POT Sta.11+00.894

-LBL- 8 Sta.15+85.172
(-L- Sta.20+06.157 8.260 LT)

7 x 2 x 1
1.5 m weir

BEGIN APPR.SLAB
-L- POT Sta.20+01 +/-

BEGIN BRIDGE
-L- POT Sta.20+18.622

BEGIN CONSTRUCTION
-SR2- PC Sta.10+12.310

-SR2- PC Sta.10+11.571

-SR2- POT Sta.10+03.980

-L- ST Sta.20+05.705

RR POT Sta.10+00.000

48.705 TAPER

90 TAPER (BOTH SIDES)

75 FULL LANE

1.5 SIDEWALK

NC 274 BESSEMER CITY RD -L-

S 45° 23' 17" E

S 37° 50' 14" E

S 67° 49' 50" E

COLLAR & EXTEND

LATERAL 0.6m BASE DITCH
SEE DETAIL #2

5 x 2 x 1
1.5 m weir

14 x 4 x 1
1.5 m weir

20 x 6 x 1
2.5 m weir

4 x 1.5 x 1
1.5 m weir

MABEL MANTOOTH
D.B. 522 PG. 46

CLASS B RIPRAP
1.8 TONS
5.9 S.M. FF

TIE TO EXIST. DITCH

ALLEN L. MANTOOTH, ET ALS
D.B. 2293 PG. 159

STONIA CORPORATE LIMITS (PB 39 PG 6)
CROWDERS MOUNTAIN TOWNSHIP

60.960 NORFOLK SOUTHERN EASEMENT

R.R. EASEMENT

SOUTHERN RY

BRIDGE SKETCH
BEGIN BRIDGE -L- Sta. 20+18.622
END BRIDGE -L- Sta. 20+91.127

1.50m SIDEWALK
1.65m SIDEWALK
1.5m SIDEWALK
0.75m
0.6m
7.2m
0.6m

DETAIL #2
LATERAL BASE DITCH
(Not to Scale)

Natural Ground
Fill Slope
.08m/m
Min. D = 0.5 m
B = 0.6 m
b = 1.5 m

-L- STA 19+20 TO STA 19+86 RT

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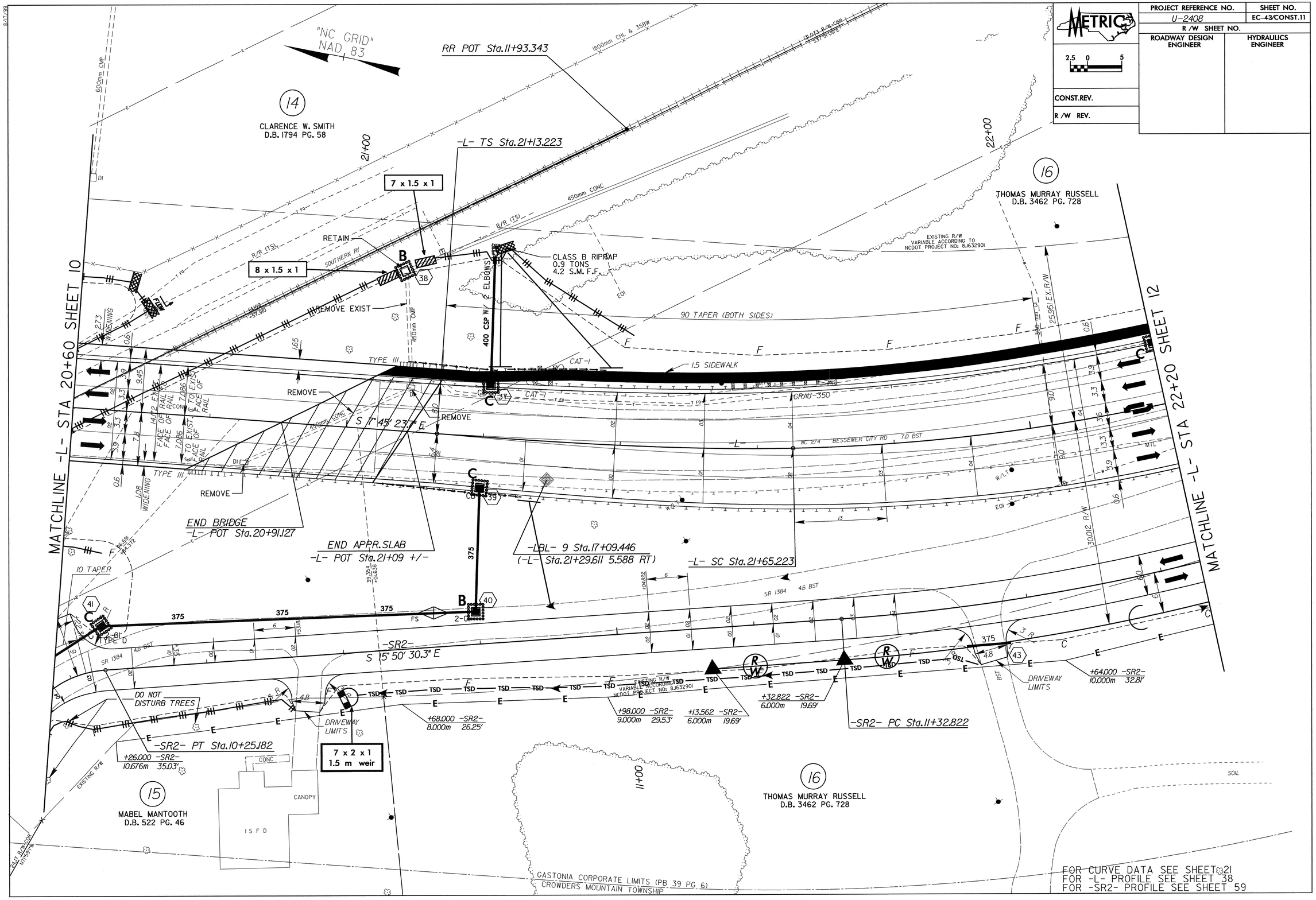
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-43/CONST.11
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC 2.5 0 5



FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 38
FOR -SR2- PROFILE SEE SHEET 59

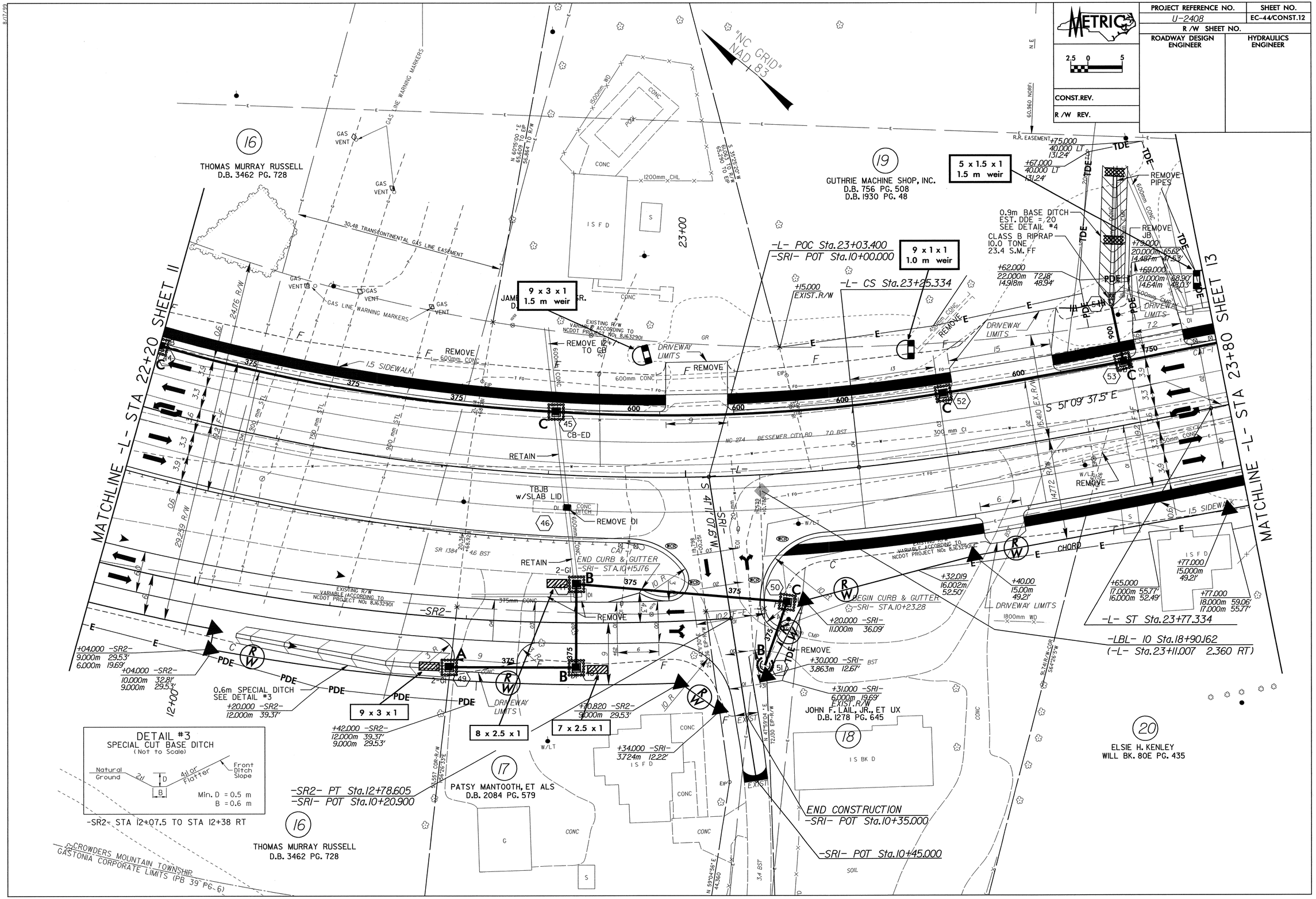
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-44/CONST.12
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC 2.5 0 5

CONST.REV.

R /W REV.

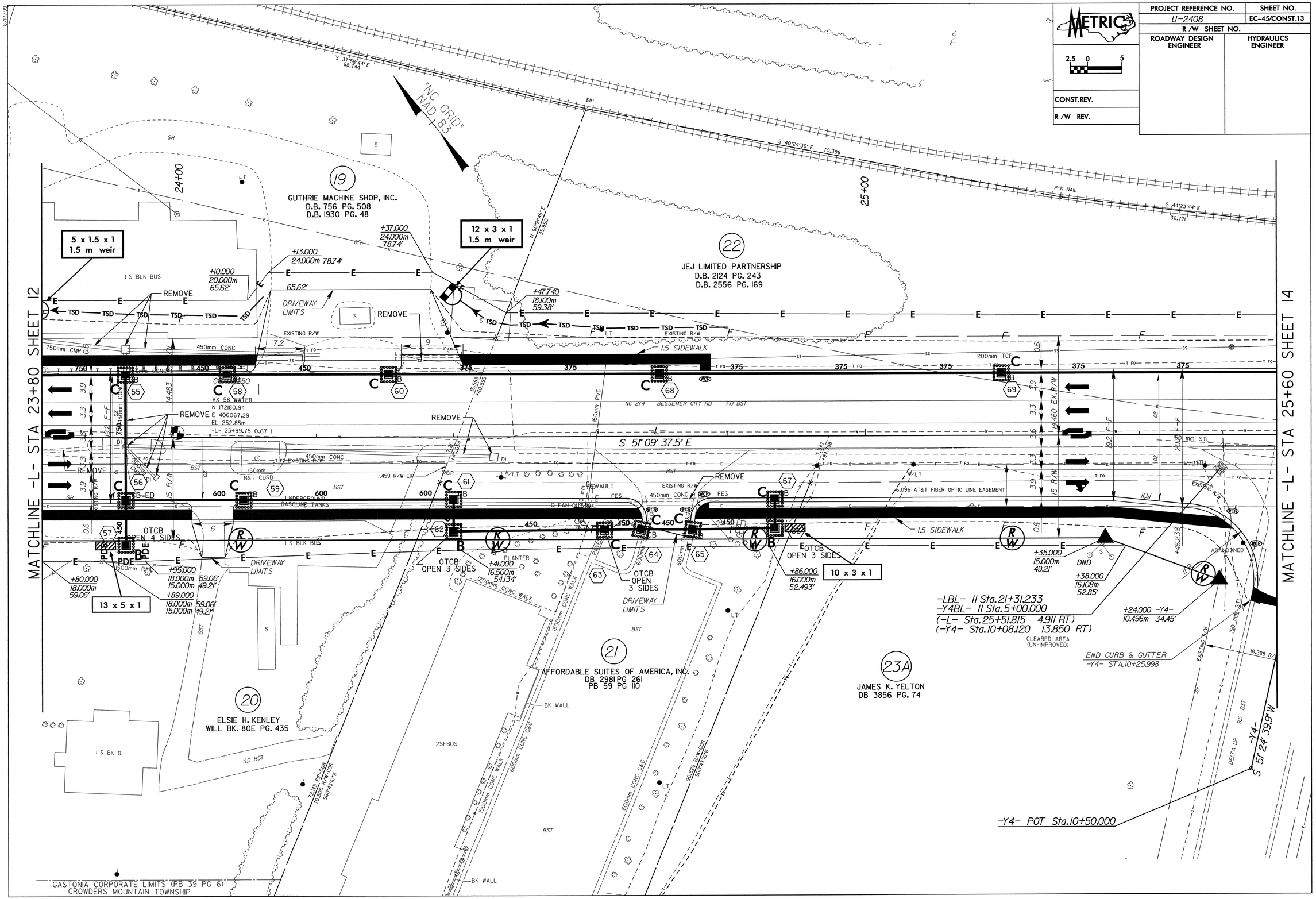


PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-45/CONST.13
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC 2.5 0 5

CONST.REV.

R /W REV.



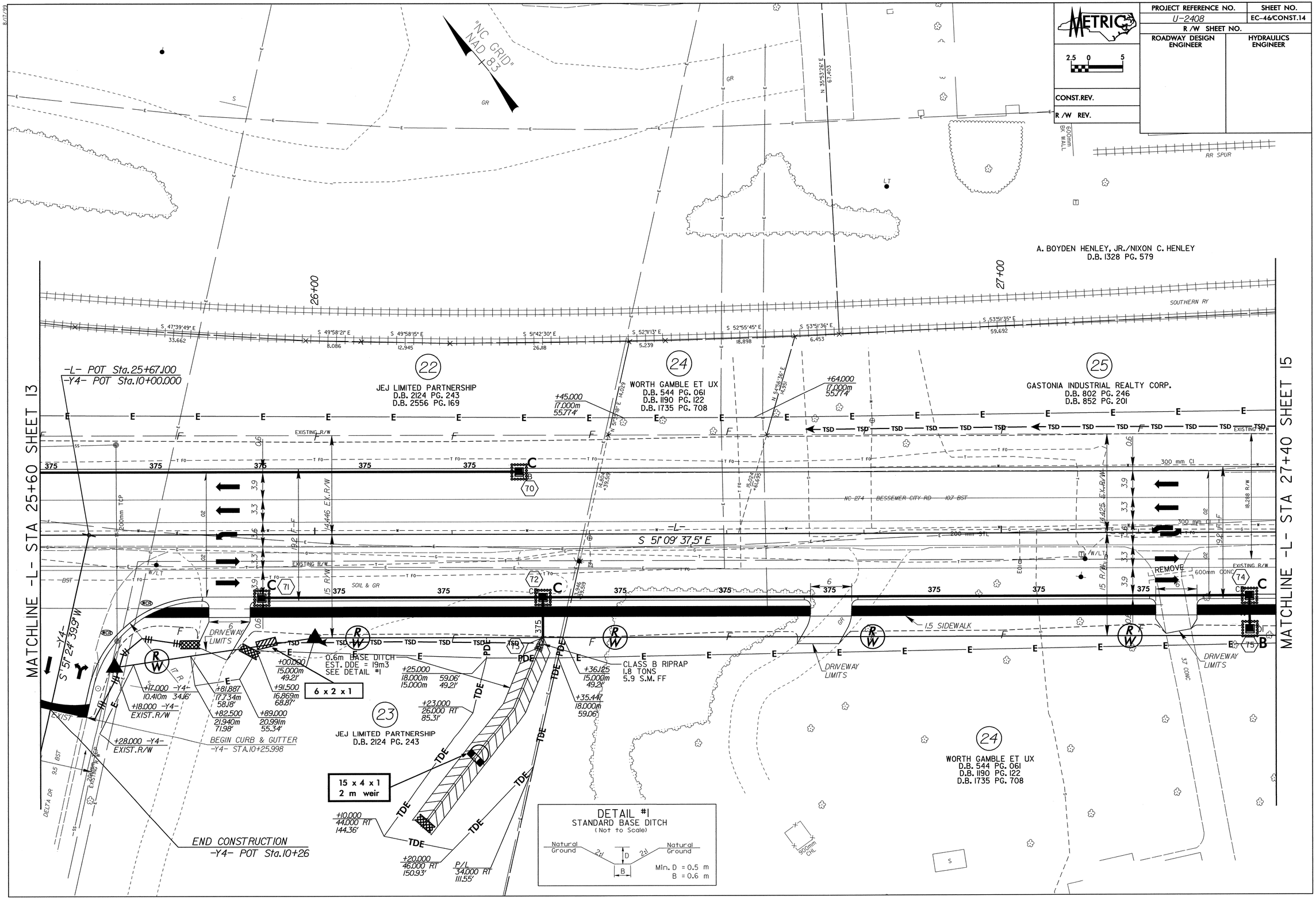
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-46/CONST.14
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC 2.5 0 5

CONST.REV.

R /W REV.



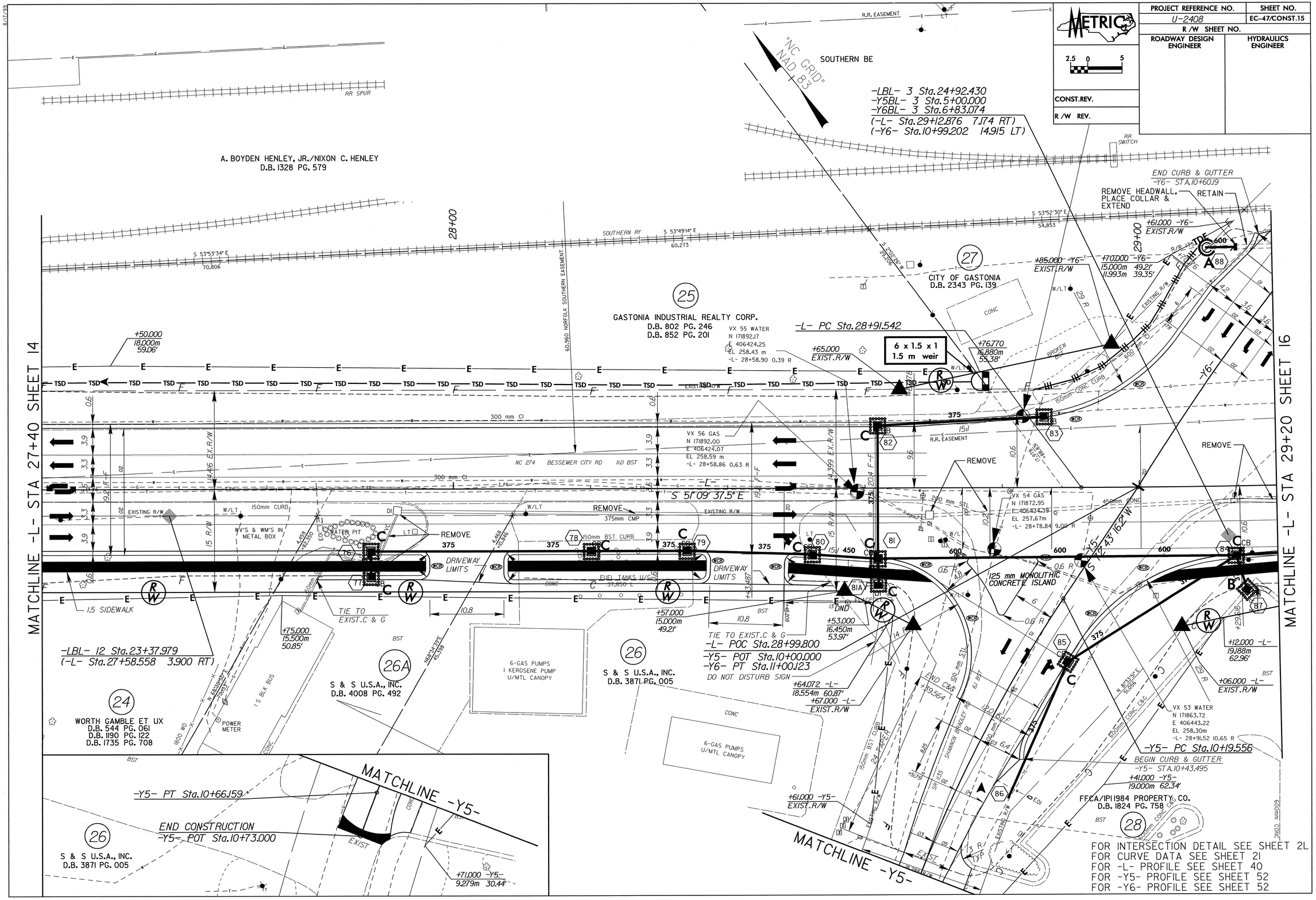
8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-47/CONST.15
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC 2.5 0 5

CONST.REV.

R /W REV.



8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-48/CONST.16
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC 2.5 0 5

"NC GRID" NAD 83

SOUTHERN BELL TELEPHONE AND TELEGRAPH CO.
D.B. 1306 PG. 482

R.R. EASEMENT

BEATY ENTERPRISES, LTD.
D.B. 1270 PG. 347

-Y6- PC Sta.10+23.721

-Y6- POT Sta.10+00.000

S 84° 00' 52.0" W

JENKINS DAIRY RD -Y6- SR 1334

600mm CONC 7.3 BST 450mm CMP 100 mm STL

SIG LT RR SIG BOX RR SIG 1.5 HW 450mm CONC R/R (TS) WARNING SIGNALS

BEGIN CONSTRUCTION
-Y6- POC Sta.10+55.000

S 53°55'07" E 312.058

-L- PT Sta.30+67.238

END GRADE
BEGIN MINIMUM OVERLAY
-L- POT Sta.30+75.000

BEGIN CURB & GUTTER
-Y6- STA.10+58.87

+50.000 -Y6-
EXIST.R/W

RETAIN

+40.000
EXIST.R/W

-L- PRC Sta.29+79.088

+03.000
EXIST.R/W

8 x 2 x 1
1.5 m weir

+77.000
18.000m 59.06'
EXIST.R/W

89 m TRANSITION

TIE TO EXISTING
CURB & GUTTER
-L- STA. 30+75

S 5°09'00" E 334.645

RETAIN

150mm CONC CURB

RETAIN

S 51° 08' 14.4" E

REMOVE

150 mm STL

450mm CONC

1.5 SIDEWALK

300 mm CI

NC 274 BESSEMER CITY RD 110 BST

MATCHLINE -L- STA 29+20 SHEET 15

MATCHLINE -L- STA 31+00 SHEET 17

DRIVEWAY LIMITS

PLANTER

150mm CONC CURB

CONC DRIVEWAY LIMITS

DND

MONITORING WELL

CLASS B RIPRAP
2.7 TONS
9.2 S.M. FF

S 51°06'28" E 35.129

+51.3712
EXIST.R/W

+74.601
EXIST.R/W

600mm CONC C&G

89 m TRANSITION

S 51°22'43" E

20 x 7 x 1
2.5 m weir

END CURB & GUTTER
-L- STA. 30+81.61

SIG LT

+23.000
17.138m
56.23'

FFCA/IPI 1984 PROPERTY CO.
D.B. 1824 PG. 758

DO NOT DISTURB SIGN

+35.000
15.000m
49.21'

+40.000
16.000m
52.49'

+69.000
16.000m
52.49'

+79.088
15.000m
49.21'

GAS VENTS FOR U/G TANKS

GAS PUMP ISL

GASTONIA UNITED OIL CO.
D.B. 2404 PG. 813

KANTILAL A. PATEL & WF
SHANTABEN PATEL
DB 2897 PG 933

MONITORING WELLS

1800mm CONC WALK

ISBKBUS

1800mm BK WALL

1800mm CHL

1500mm CONC WALK

I S BK BUS

6.096 DRAIN AND UTILITIES EASEMENT
PLAT BK. 39 PG. 24

N 38°49'02" E 79.271 TO ECM

N 38°53'38" E 60.934 TO ECM

N 6°59'08" W 56.394

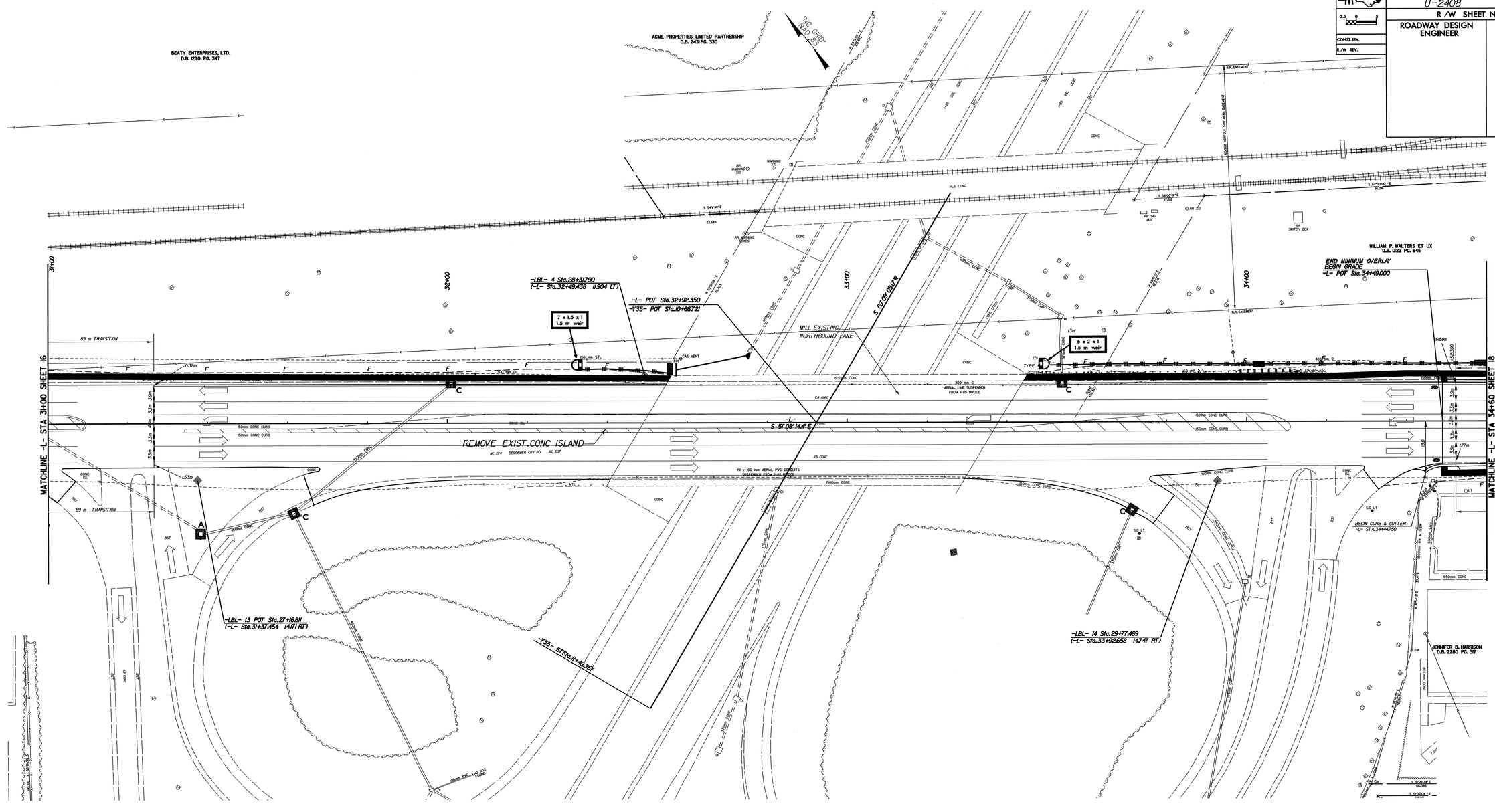
N 6°59'00" W 16.012

FLAG POLES

KANTILAL A. PATEL & WF
SHANTABEN PATEL
DB 2897 PG 933

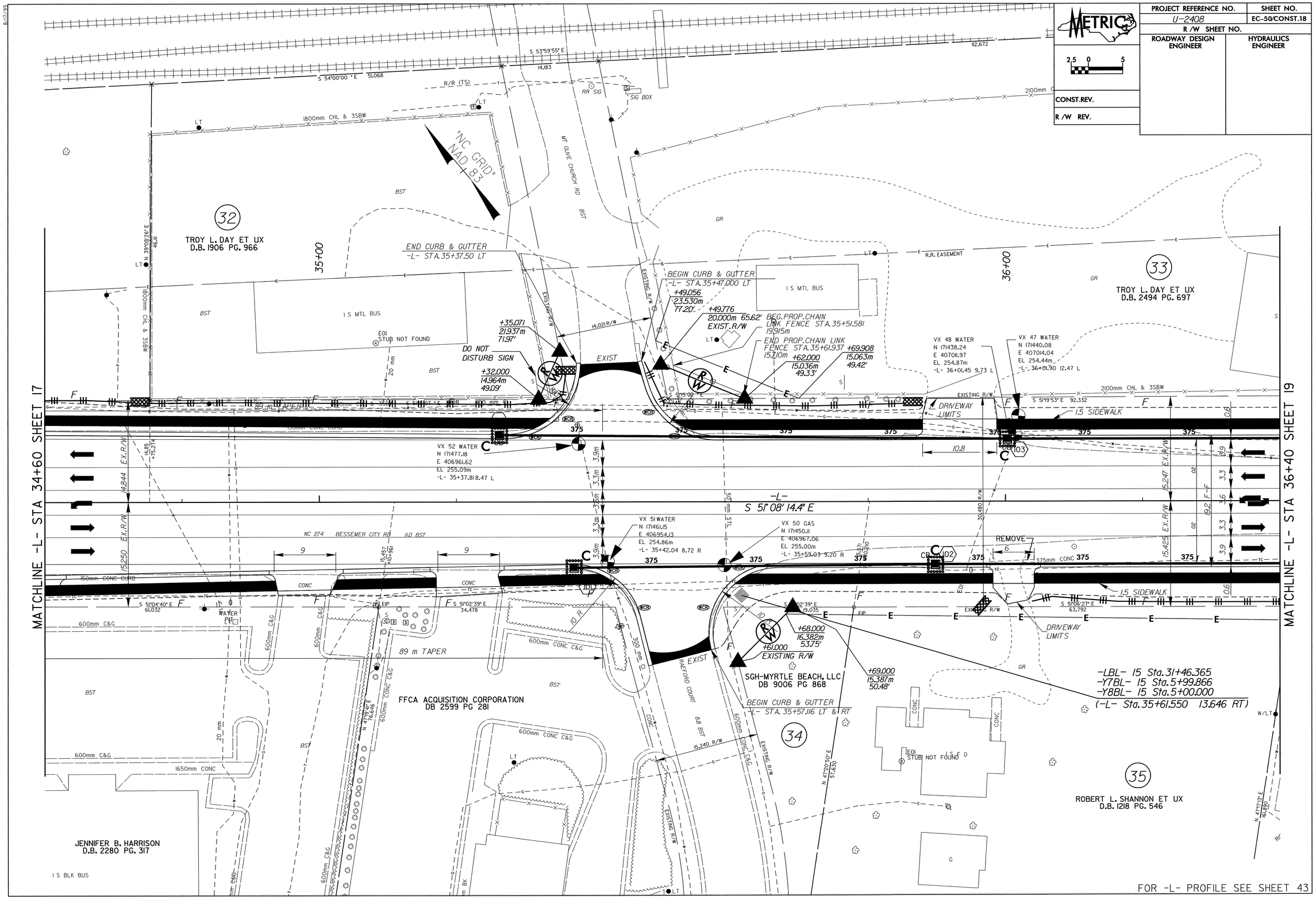
I S BK BUS

METRIC	PROJECT REFERENCE NO.	SHEET NO.
2.5 0 5	U-2408	EC-49/CONST.17
CONST.REV.	R /W SHEET NO.	
R /W REV.	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-50/CONST.18
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC 2.5 0 5



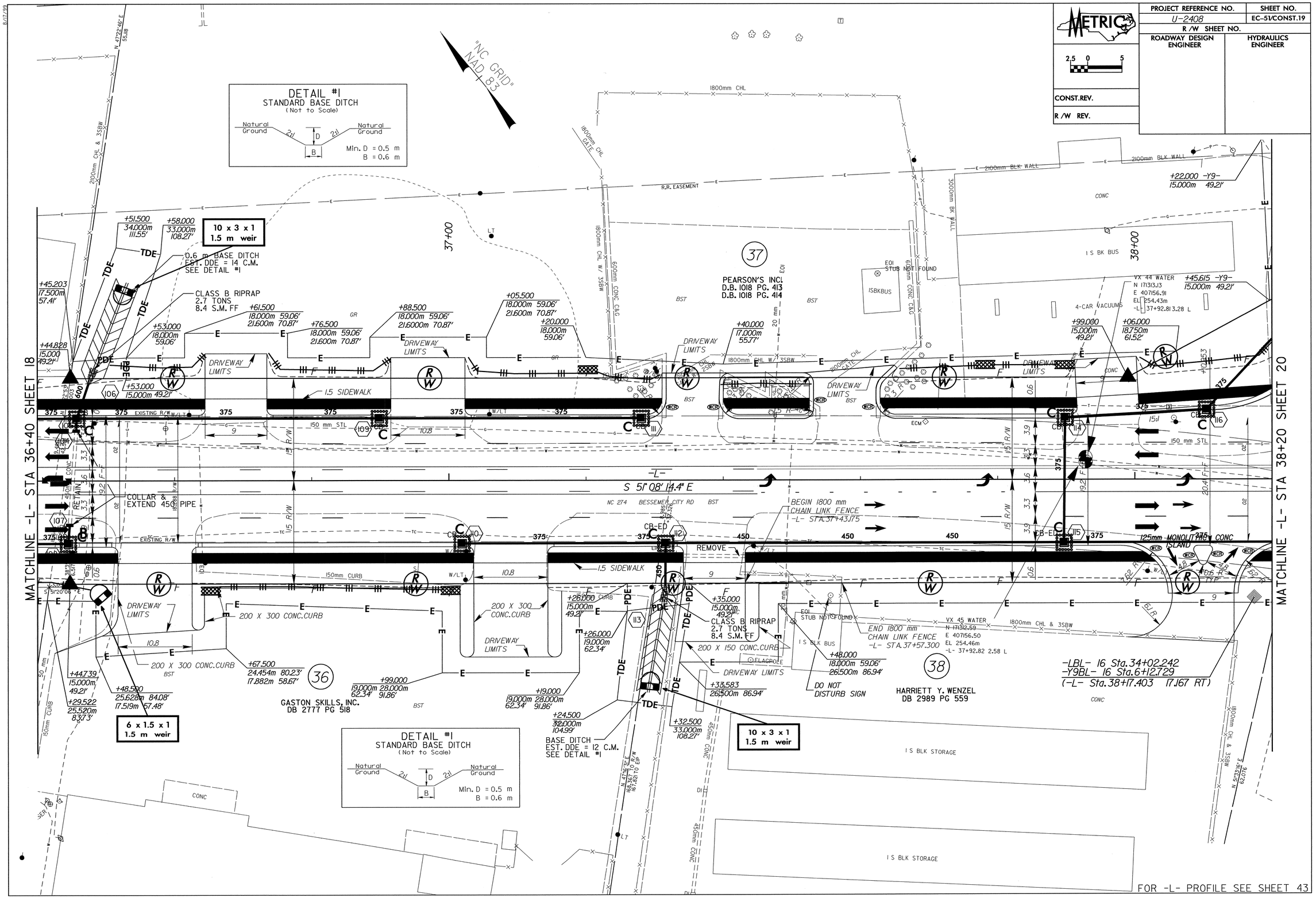
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-51/CONST.19
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-52/CONST.20
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC

2.5 0 5

"NC GRID" NAD 83

BEGIN CONSTRUCTION
-Y9- STA.10+00.00

+05.000 -Y9-
19.338m 30.64'

+05.000 -Y9-
8.950m 29.36'

+20.000 -Y9-
14.000m 45.93'

END CURB & GUTTER
-Y9- STA.10+37.915

BEGIN CURB & GUTTER
-Y9- STA.10+41.804

+43.395
28.600
93.83'

+47.664 -Y9-
18.443m 60.51'

-L- POT Sta.38+36.000
-Y9- POT Sta.10+72.476

+68.000
21.311m
69.92'

-L- PC Sta.38+77.153

+77.153
18.600m
61.02'

+96.000
18.600
61.02'

+00.000
22.000
72.18'

+26.000
15.025
49.29'

+40.090
18.372
60.27'

+59.989
18.094
59.36'

+25.070
28.967m
95.04'

+25.300
24.000

+41.800
16.488m (54.09')
(EXIST.R/W)

+49.896
EXISTING R/W

+24.000
15.000m (49.21')

45 FULL LANE
30 TAPER
150mm CURB
1.5 SIDEWALK
S 36°00'19.8" W
51°08'14.4" E
39+00
MATCHLINE -L- STA 38+20 SHEET 19
MATCHLINE -L- STA 39+80 SHEET 21
NORTHWEST BLVD
EXIST 1200mm T.C.P.
EXISTING R/W
18.288 R/W
1800mm CHL & 3SBW
WHEEL GUARDS
300mm CONC WALL
15 R/W
23.029 EX.R/W
VX 42 WATER
N 171249.37
E 407214.42
EL 254.65m
-L- 38+77.60 10.30 BST
VX 41 WATER
N 171248.45
E 407213.17
EL 254.13m
-L- 38+77.20 11.80 R
VX 43 GAS
N 171271.82
E 407182.55
EL 254.26m
-L- 38+38.69 12.32 R
GAS PUMPS
U/MTL CANOPY
GRADE TO DRAIN
100 mm STL
300 mm CI
400 mm CI
DRIVEWAY LIMITS
REMOVE 100mm PVC
BESSEMER CHL NO.
EOI STUB NOT FOUND
I S BK BUS
CANOPY
STUB
I S BK D
N 52°27'08" E 61.032' TO R/W 60.729' TO EIP

37

40
PARK LANE PROPERTIES, LLC
D.B. 2512 PG. 991

901
AMERICAN & EFIRD, INC.
D.B. 2557 PG. 053
TRACT 6

39
JAMES K. & RITA V. YELTON
D.B. 1380 PG. 796
D.B. 913 PG. 034

MYRTLE CHAPEL METHODIST CHURCH (TRUSTEES)
D.B. 806 PG. 491
D.B. 440 PG. 324

-LBL- 17 Sta.35+52.546
-Y10BL- 17 Sta.5+00.000
(-L- Sta.39+71.686 38.767 RT)
(-Y10- Sta.10+38.998 18.162 RT)

FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 44
FOR -Y9- PROFILE SEE SHEET 53

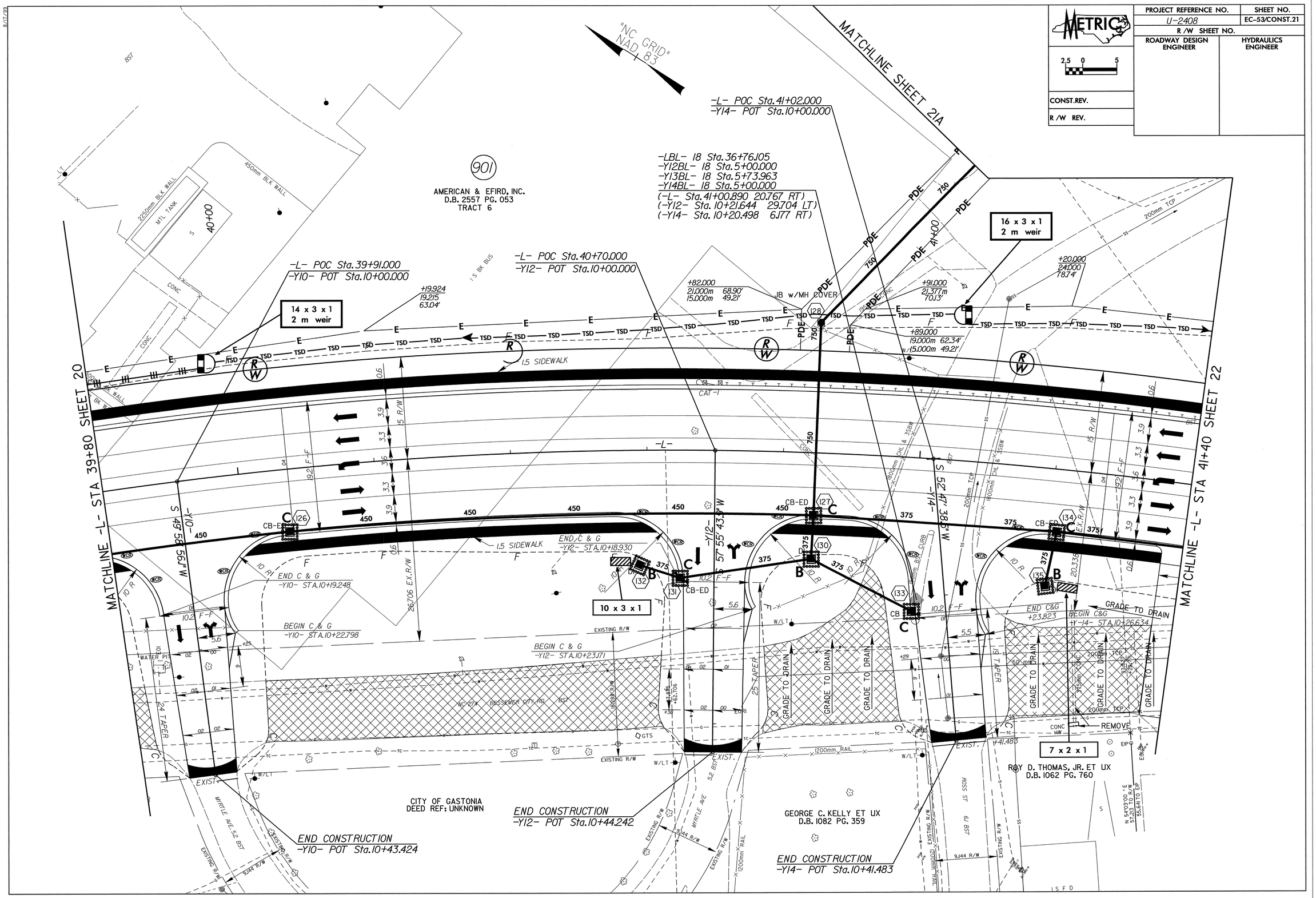
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-53/CONST.21
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



8/17/99

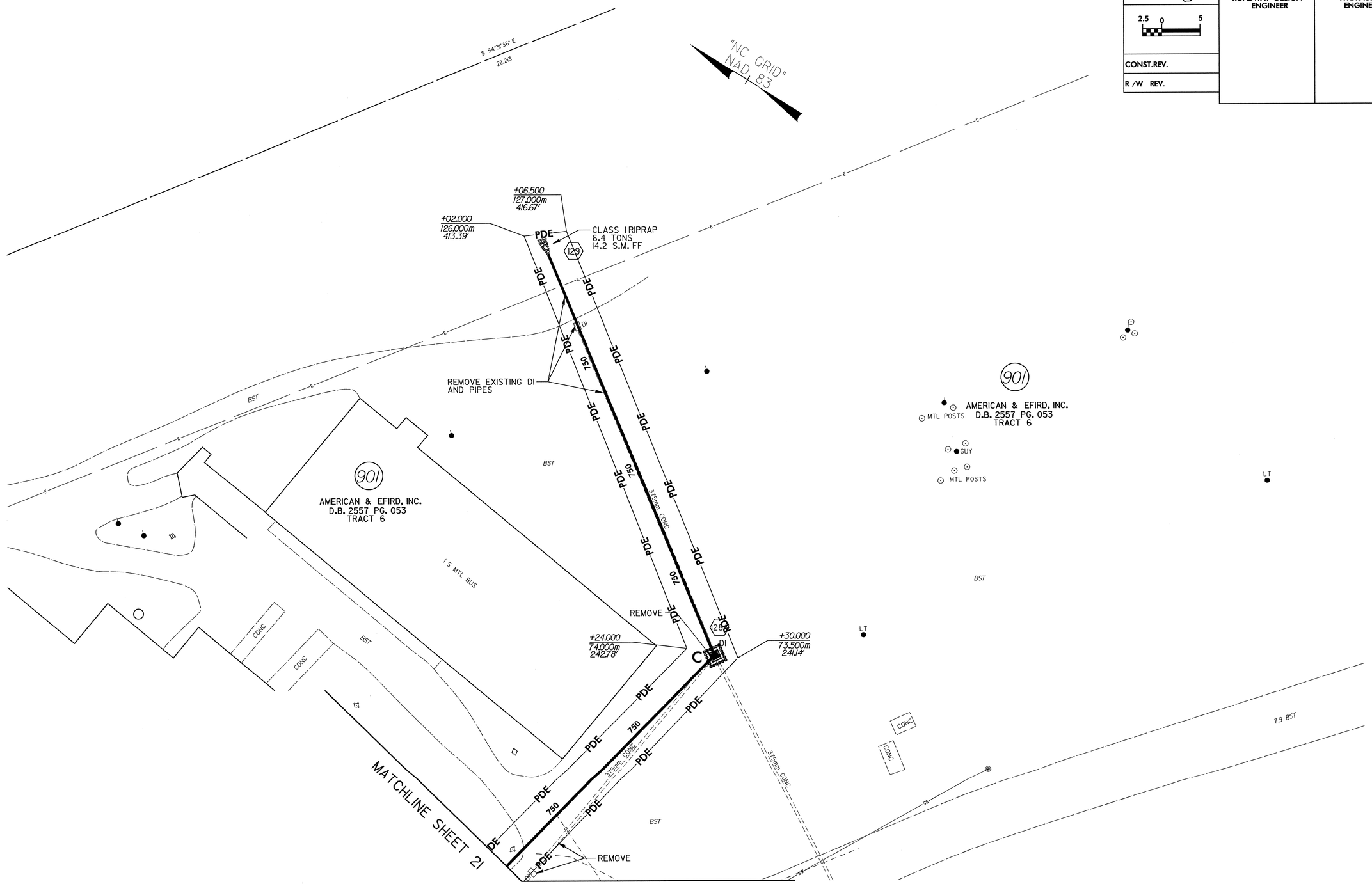
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-54/CONST.21A
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-55/CONST.22
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.

AMERICAN & EFIRD, INC.
D.B. 2557 PG. 053

BEGIN CURB & GUTTER
-Y15- STA.10+18.17 LT

-Y15- N 51°00'45.8" W

BROWN ST

MATCHLINE -Y15- Sta. 10+30

18.168 TAPER

-Y15- PC Sta.10+18.168

END CURB & GUTTER

FLOYD S. MINCEY, JR.
D.B. 1176 PG. 719
D.B. 1052 PG. 715

BEGIN CONSTRUCTION
-Y15- POT Sta.9+90.000

HAZEL BUMGARDNER HEIRS
DB 908 PG 18
PB 5 PG 27

"NC GRID" NAD 83

S 36°13'42.7" W

-Y15A- PC Sta.10+20.919

END CURB & GUTTER
-Y15A- STA.10+20.919 LT & RT

EXISTING R/W

-Y15- POC Sta.10+50.000
-Y15A- PT Sta.10+52.094

-Y15- PT Sta.10+70.510

-L- POC Sta.42+80.000
-Y15- PC Sta.10+83.546

17x 2.5 x 1
1.5 m weir

18 x 2.5 x 1
1.5 m weir

AMERICAN & EFIRD, INC.
D.B. 2557 PG. 053
TRACT 6

-LBL- 19 Sta.37+97.191
-Y15BL- 19 Sta.5+00.000
(-L- Sta.42+21.371 4.149 LT)
(-Y15- Sta.10+82.405 58.950 RT)

1.5 SIDEWALK

REMOVE

375mm CONC

GRADE TO DRAIN

DRIVEWAY LIMITS

MATCHLINE -L- STA 41+40 SHEET 21

MATCHLINE -L- STA 43+00 SHEET 23

MATCHLINE -Y15- Sta. 10+30

CONVERT TO JB w/MH

125 mm MONOLITHIC CONC. ISLAND

S 79°00'15.4" W

10 GAS PUMPS
U/MTL CANOPY

KEROSENE PUMP

U/G FUEL TANKS
3 - 37,850 L

KINGSWAY PROPERTIES, LLC
DB 2885 PG 152

END CURB & GUTTER
-Y15- STA.11+15.019

BEGIN 750mm RAIL FENCE
-Y15- 11+16.460

BEGIN CURB & GUTTER
-Y15- STA.11+18.242

-Y15- PT Sta.11+10.579

MICHAEL SHAWN LEDFORD
D.B. 3210 PG. 199

DO NOT DISTURB
ONE STORY FRAME DWELLING
JOSEPH DALE LEDFORD, JR.
D.B. 3210 PG. 201

NEIL YOUNG ET UX
D.B. 1024 PG. 853

THOMAS A. KIBLER
D.B. 1834 PG. 443

END CONSTRUCTION
-Y15- POT Sta.11+62.000
-Y15BL- 38 Sta.5+77.033

D. WINDELL BURCHFIELD
ET UX
D.B. 2046 PG. 745

N 72°50'05.3" W

-Y15-5400/7700
2001 ADT
2030 ADT
4500/6700
900/1200
-L- 19900/30300
16300/24800

FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 45
FOR -Y15- PROFILE SEE SHEET 54
FOR -Y15A- PROFILE SEE SHEET 54

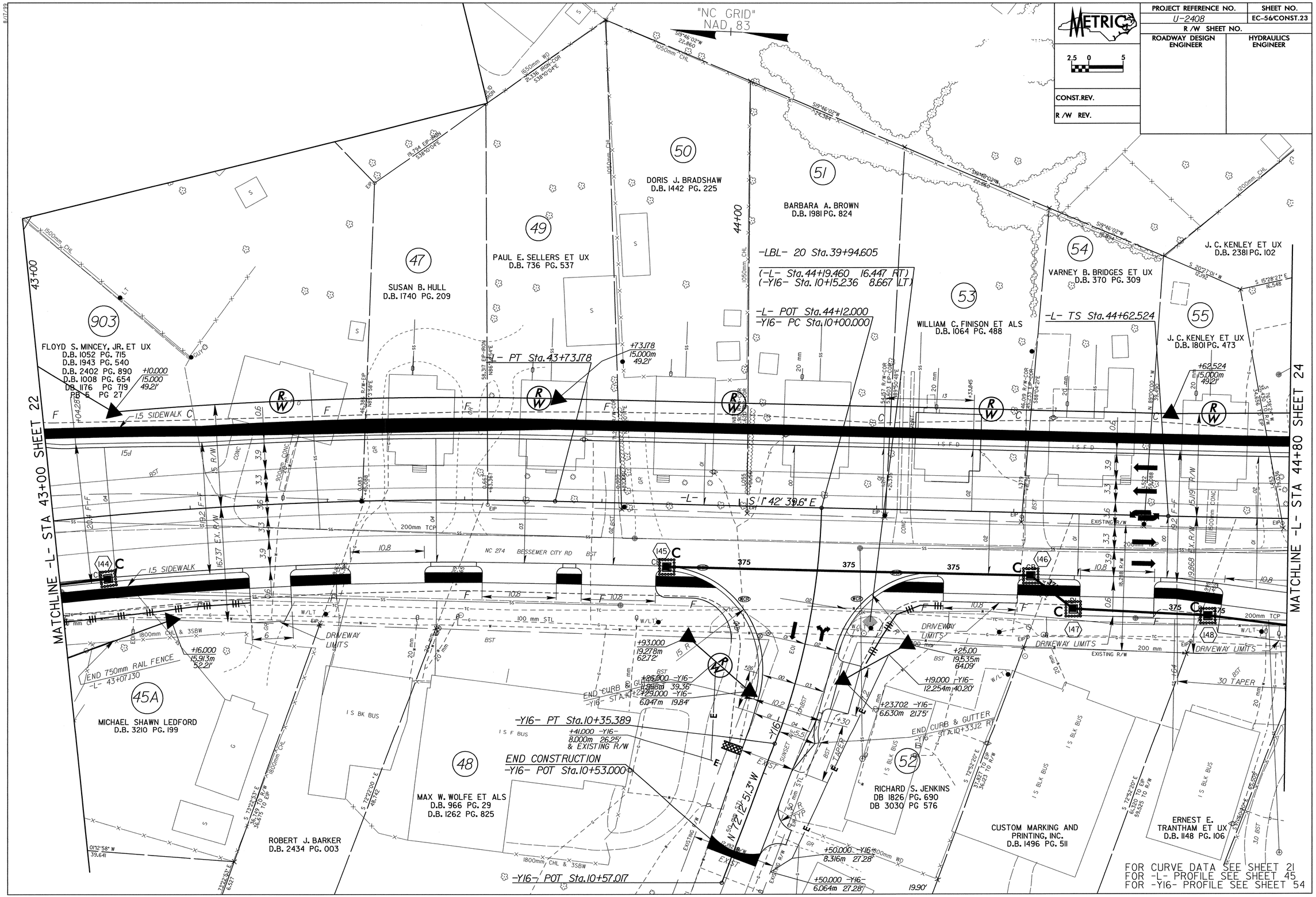
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-56/CONST.23
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



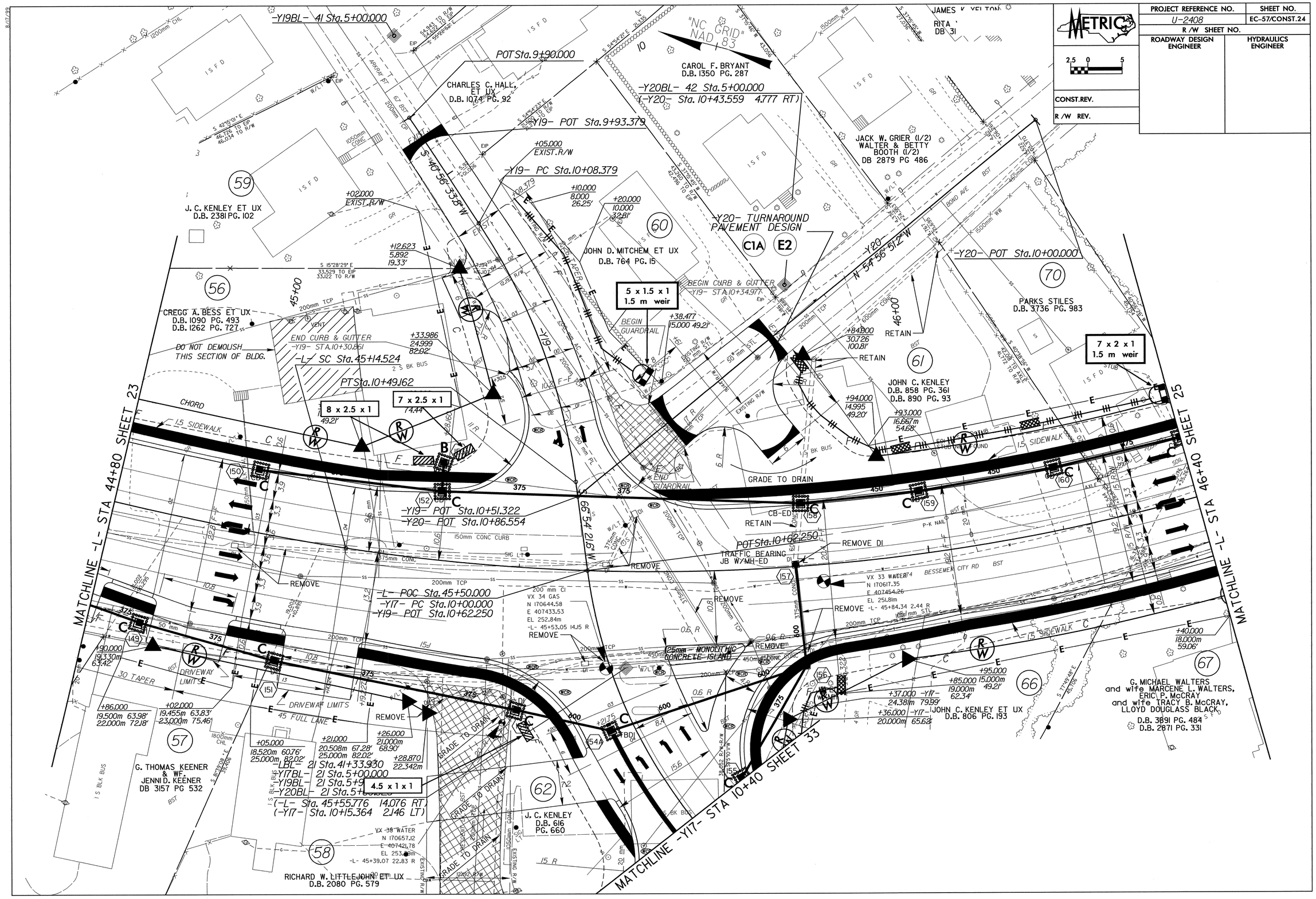
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-57/CONST.24
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



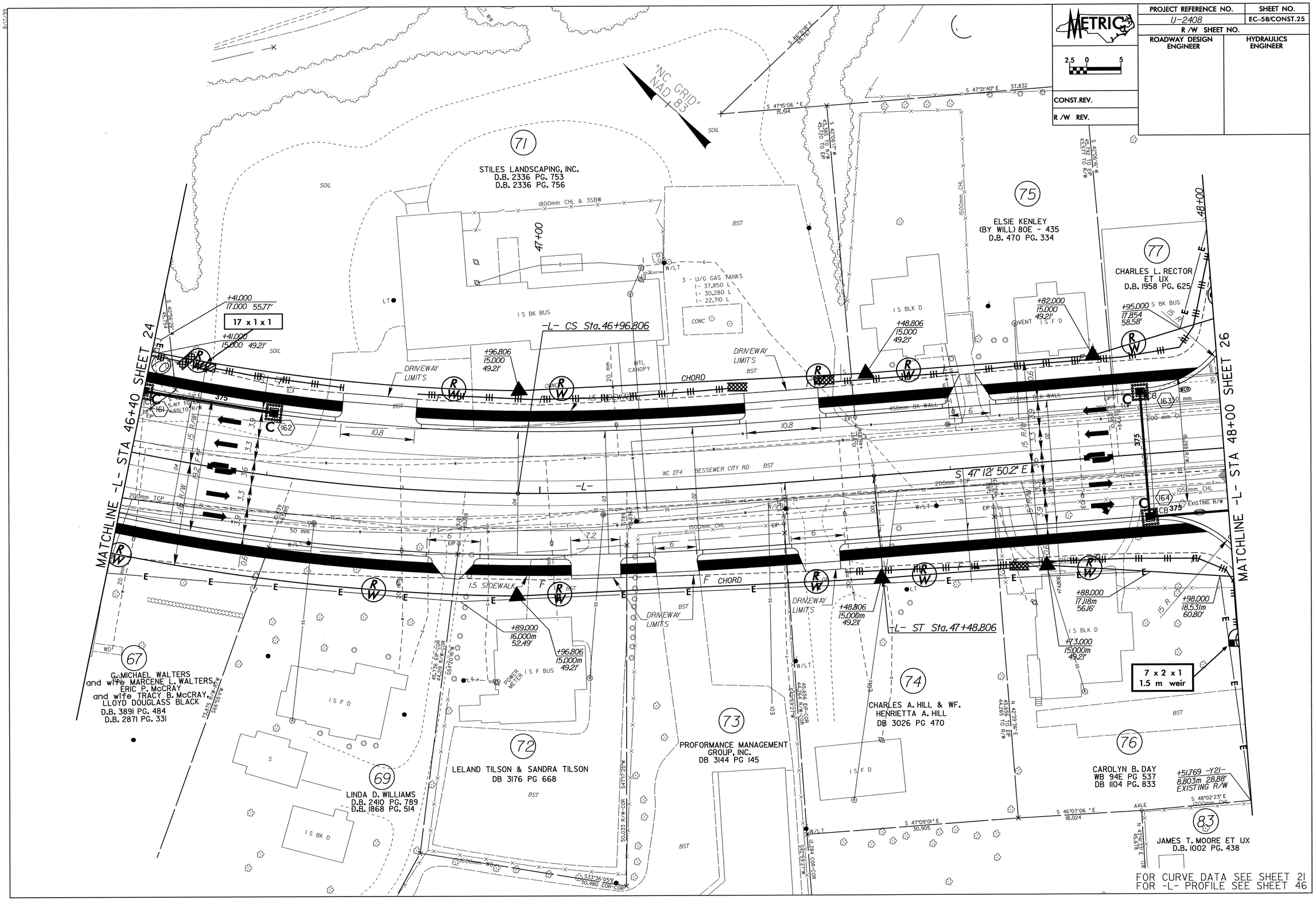
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-58/CONST.25
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.

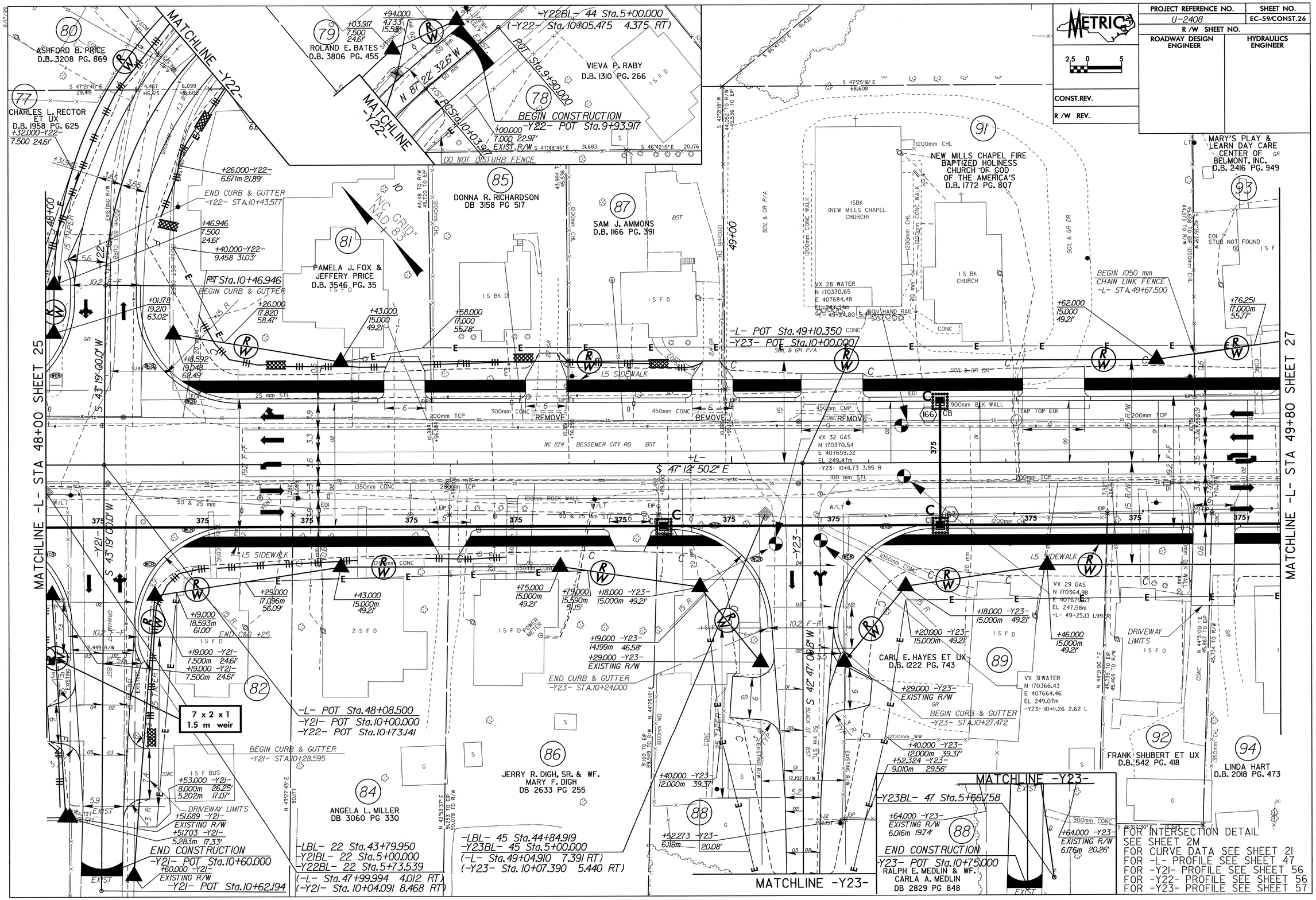


FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 46

PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-59/CONST.26
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC

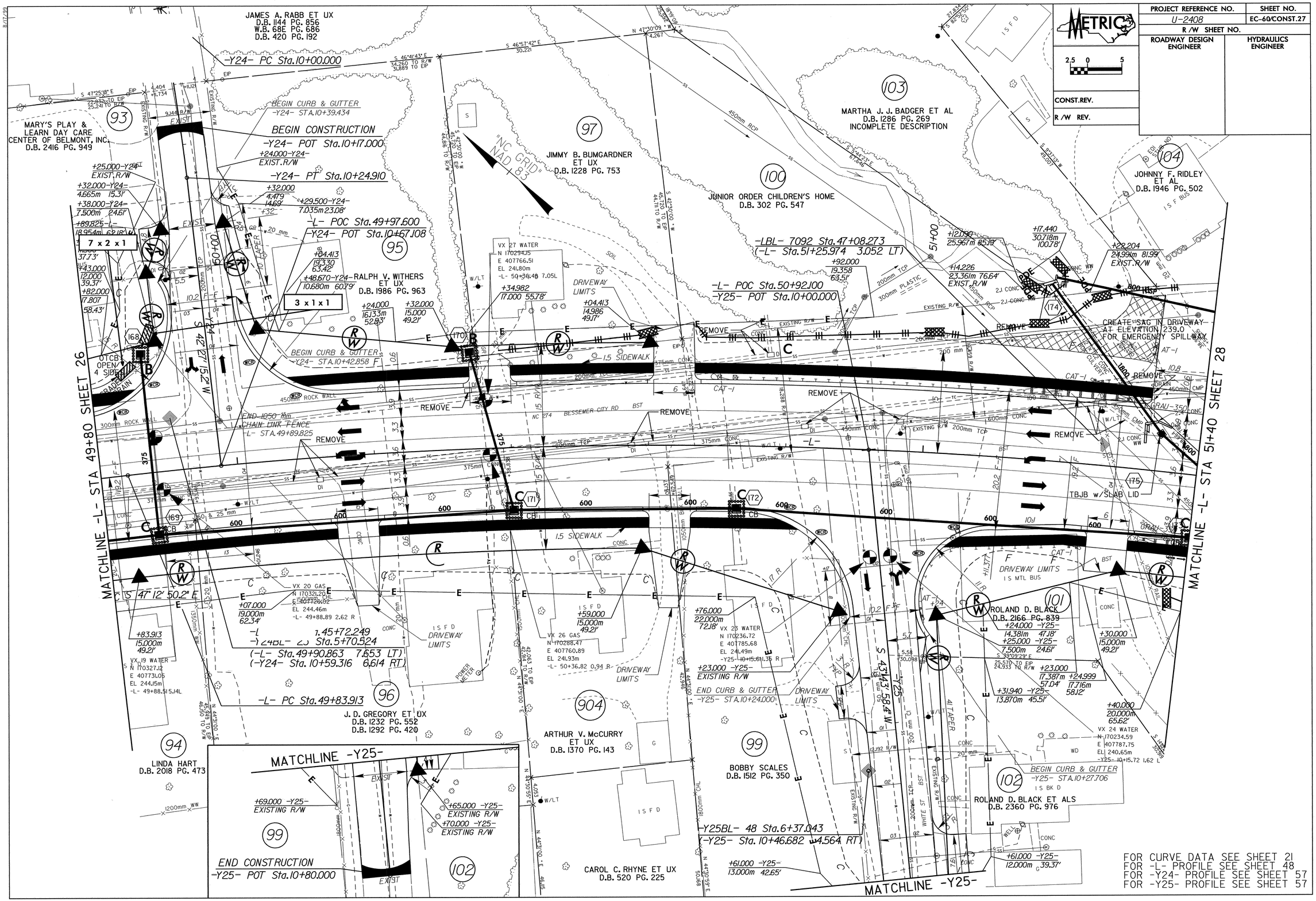
2.5 0 5



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-60/CONST.27
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC

2.5 0 5

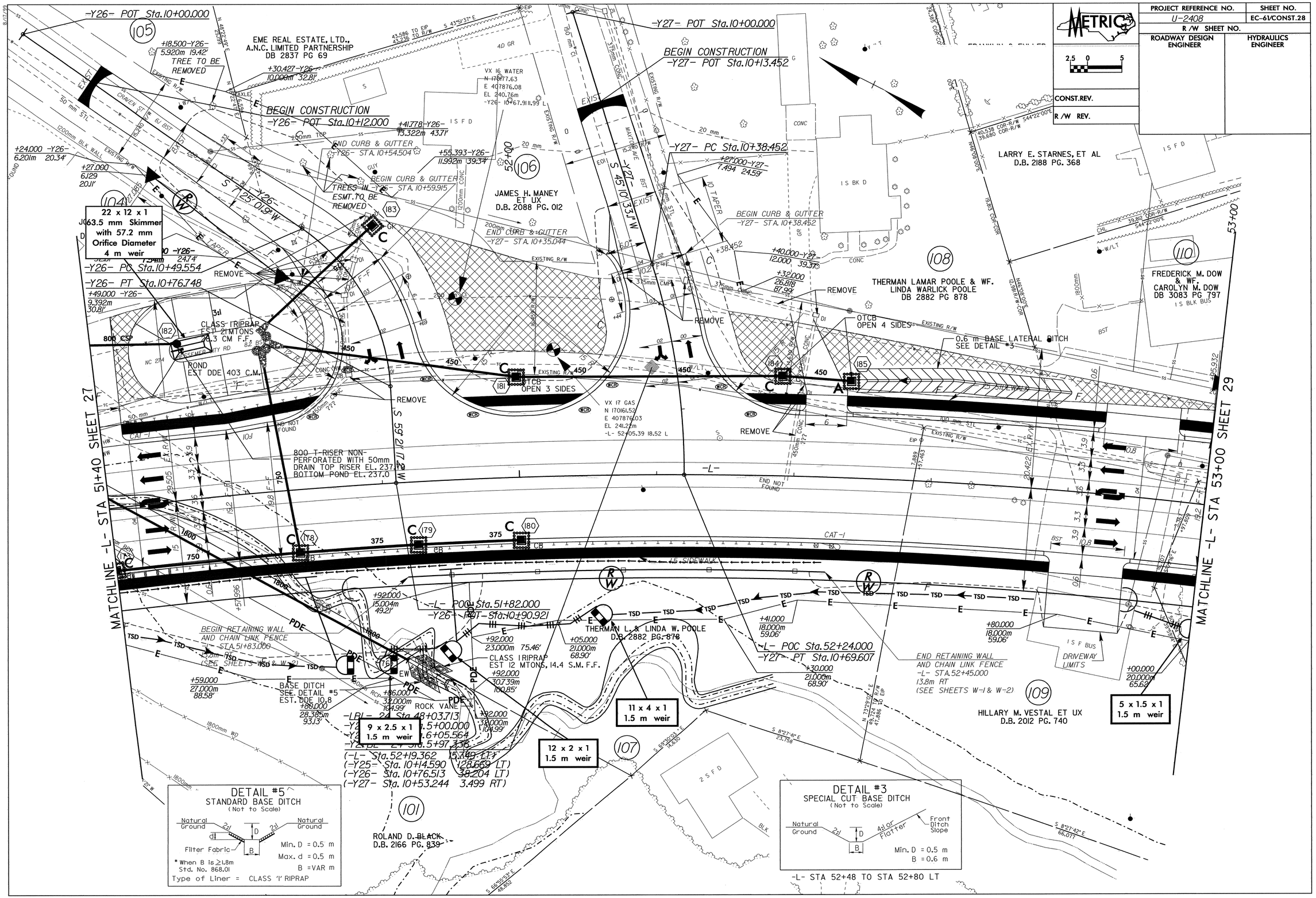


FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 48
FOR -Y24- PROFILE SEE SHEET 57
FOR -Y25- PROFILE SEE SHEET 57

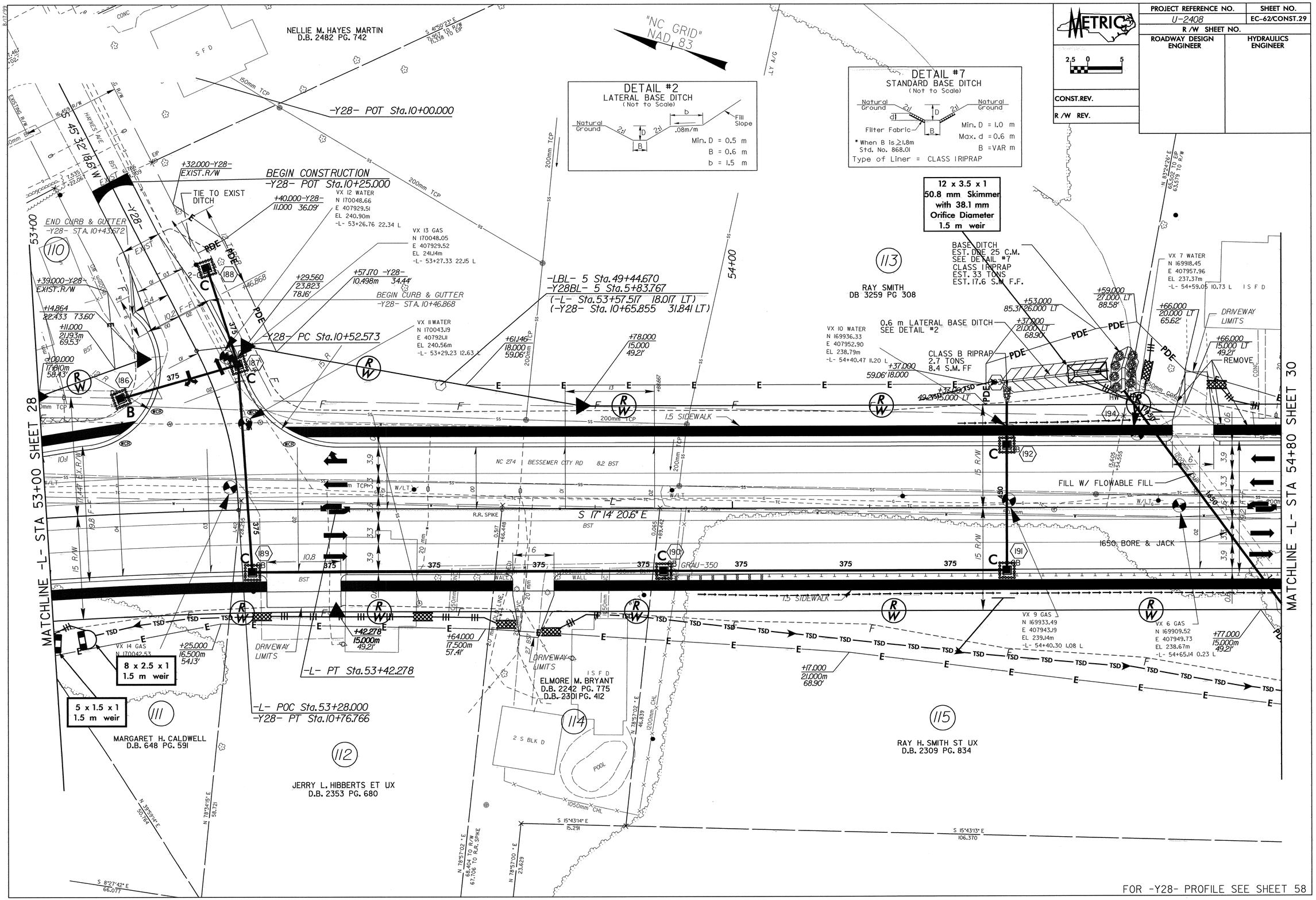
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-61/CONST.28
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC

2.5 0 5



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-62/CONST.29
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

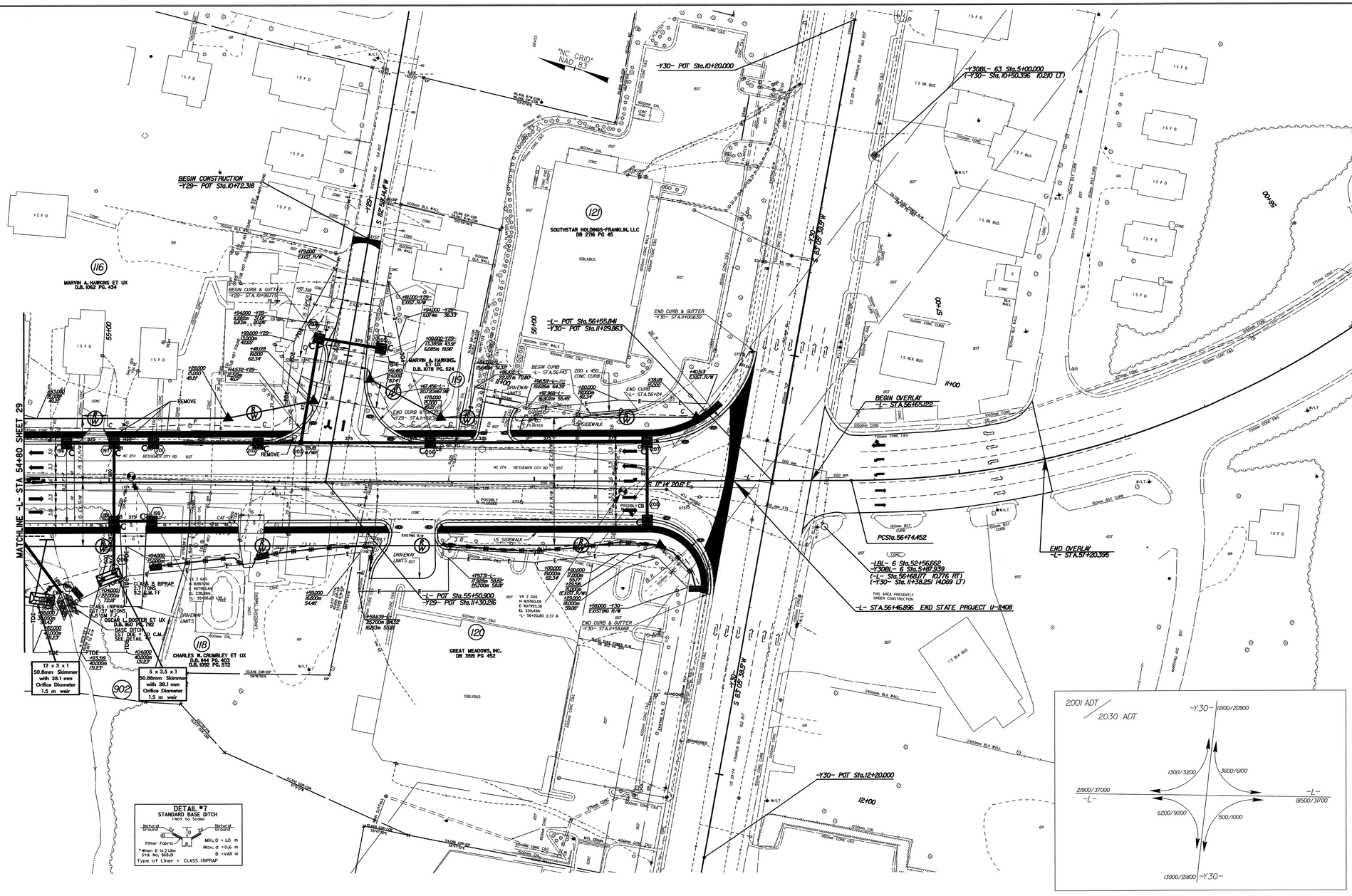


PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-63/CONST.30
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

CONST.REV.

R /W REV.



FOR CURVE DATA SEE SHEET 21
FOR -L- PROFILE SEE SHEET 50
FOR -Y29- PROFILE SEE SHEET 58

8/17/99

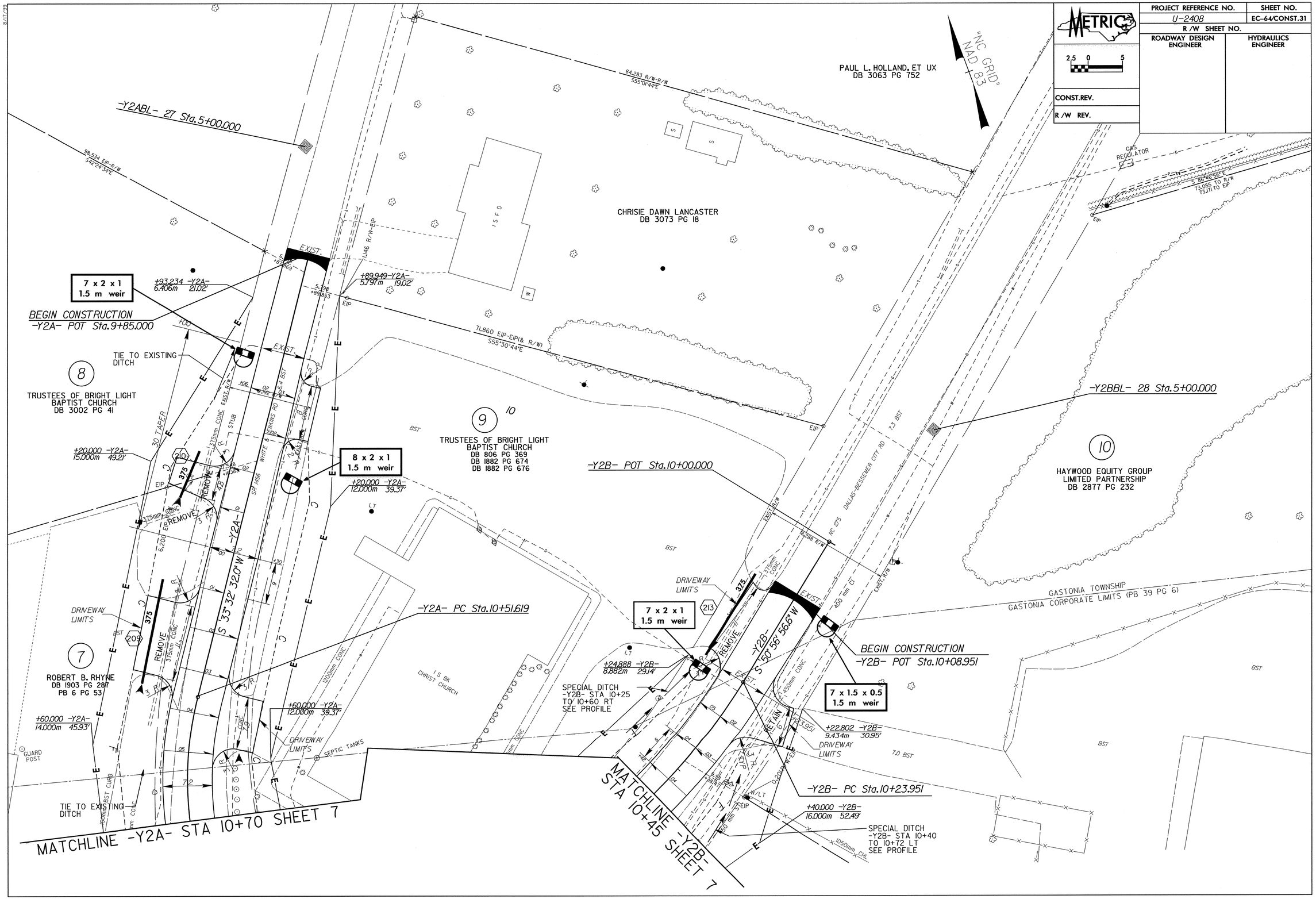
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-64/CONST.31
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



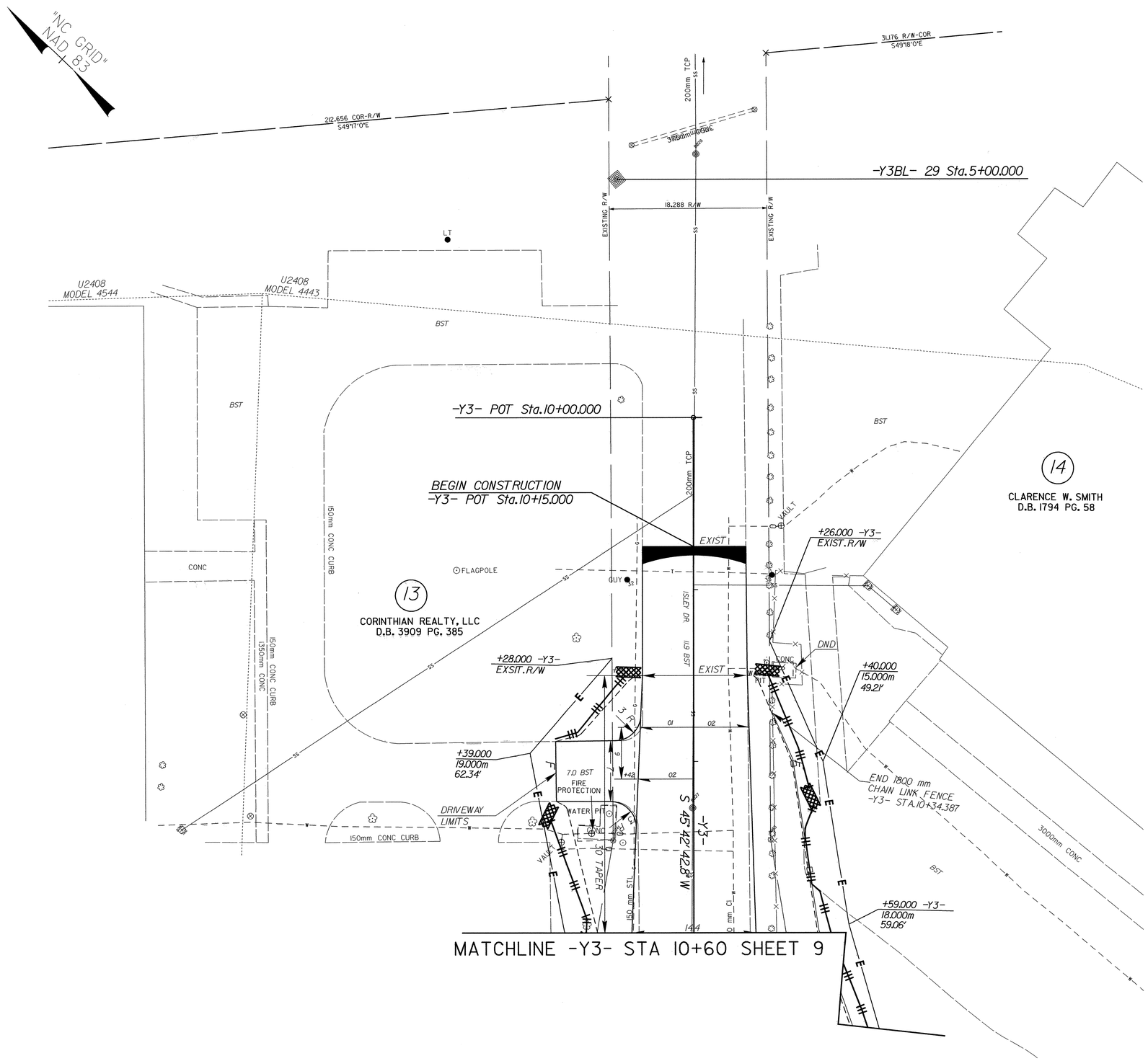
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-65/CONST.32
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

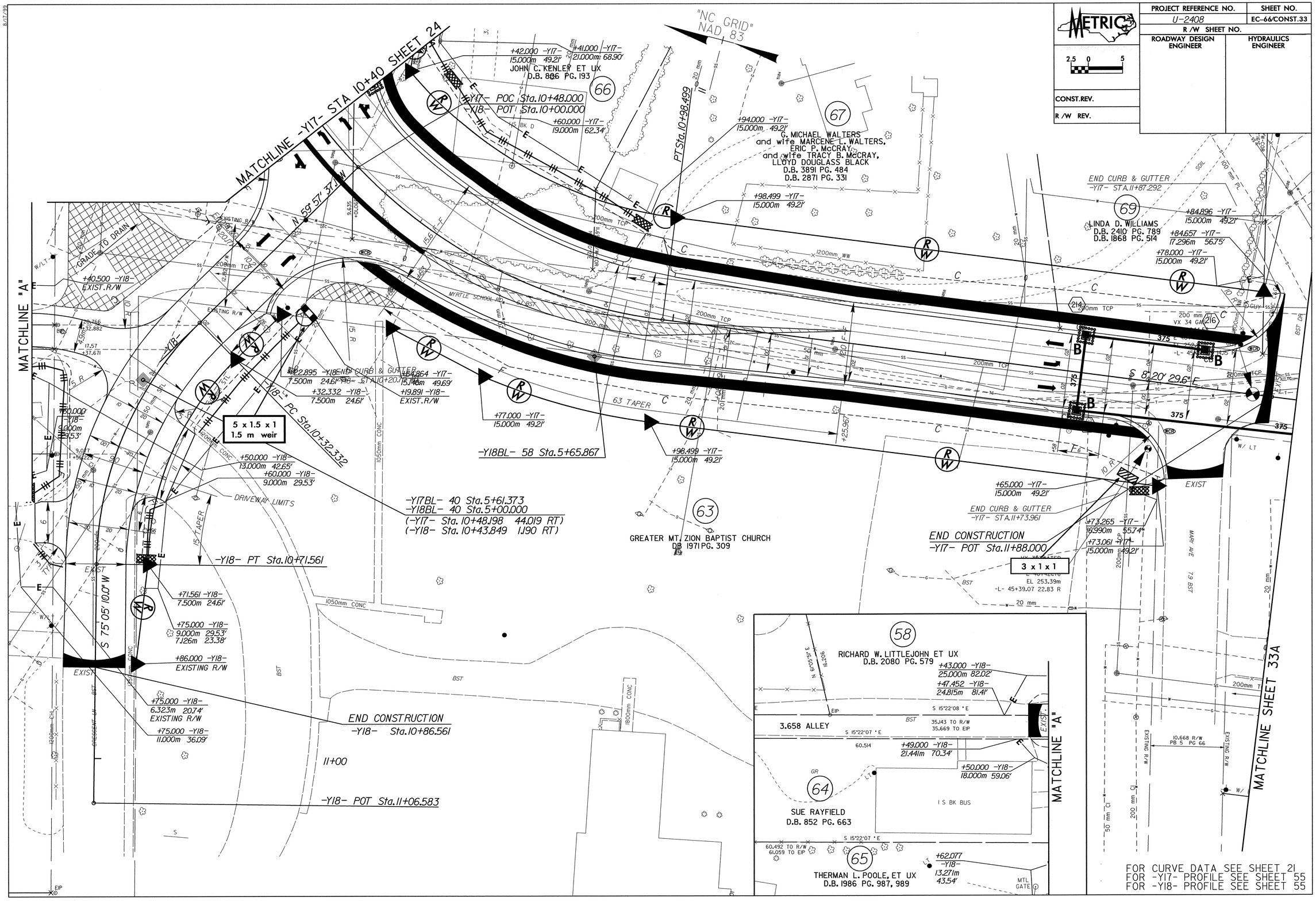
CONST.REV.

R /W REV.



PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-66/CONST.33
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC 2.5 0 5



FOR CURVE DATA SEE SHEET 21
FOR -Y17- PROFILE SEE SHEET 55
FOR -Y18- PROFILE SEE SHEET 55

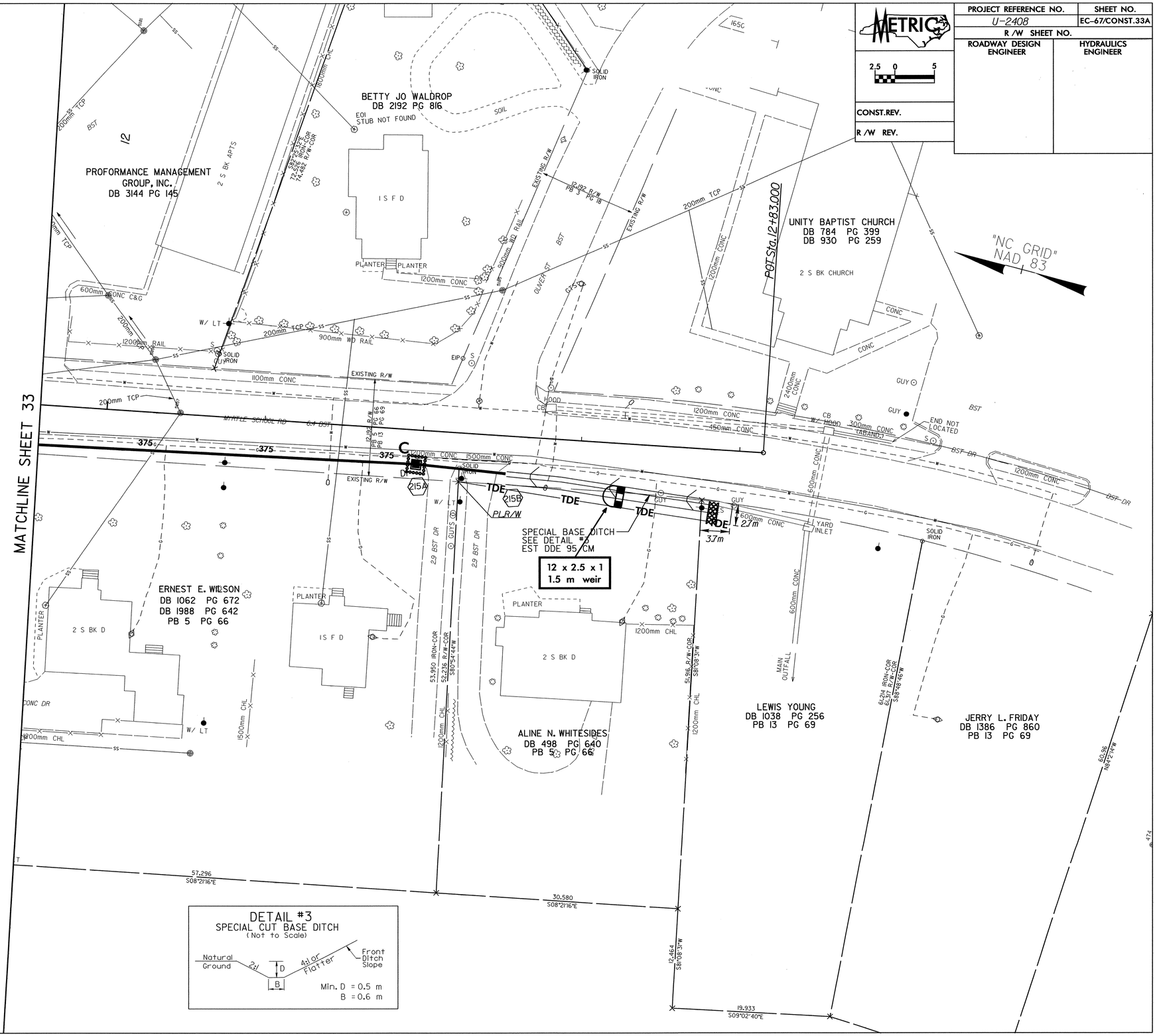
PROJECT REFERENCE NO.	SHEET NO.
U-2408	EC-67/CONST.33A
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

2.5 0 5

CONST.REV.

R /W REV.



DETAIL #3
SPECIAL CUT BASE DITCH
(Not to Scale)

Min. D = 0.5 m
B = 0.6 m