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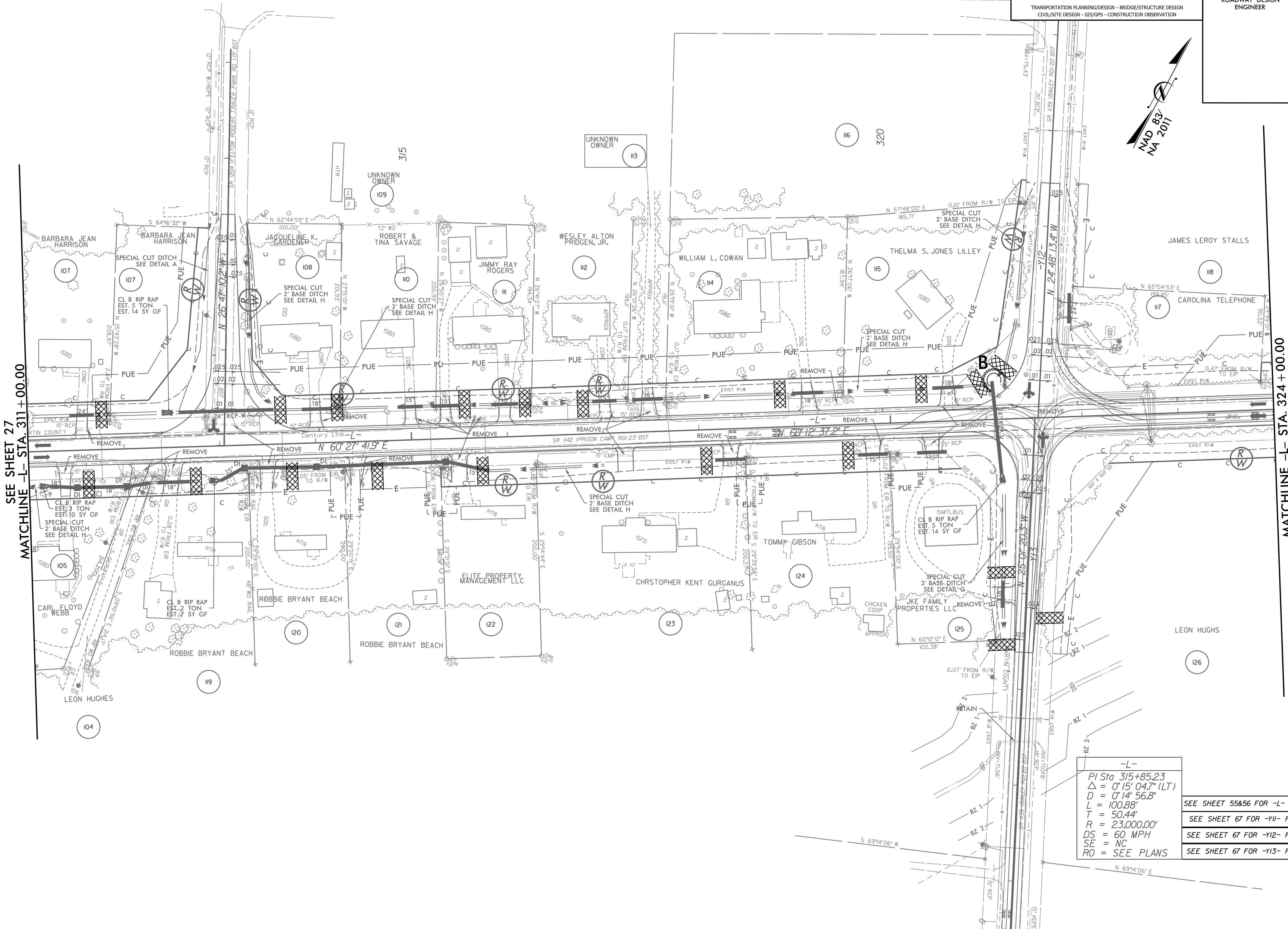
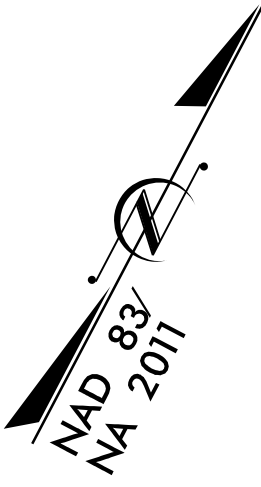
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Fax: 919 851 8107



TRANSPORTATION DESIGN/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-4705	SHEET NO. EC-68/CONST-28
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



SEE SHEET 27
MATCHLINE -L- STA 311 + 00.00

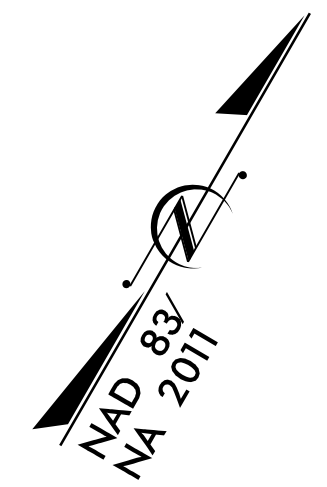
MATCHLINE -L- STA 324 + 00.00
SEE SHEET 29

REVISIONS

-L-
PI Sta 315+85.23
 $\Delta = 0' 15' 04.7" (LT)$
 $D = 0' 14' 56.8"$
 $L = 100.88'$
 $T = 50.44'$
 $R = 23,000.00'$
 $DS = 60 \text{ MPH}$
 $SE = NC$
 $RO = \text{SEE PLANS}$

SEE SHEET 55&56 FOR -L- PROFILE
SEE SHEET 67 FOR -YII- PROFILE
SEE SHEET 67 FOR -Y12- PROFILE
SEE SHEET 67 FOR -Y13- PROFILE

PROJECT REFERENCE NO. R-4705	SHEET NO. EC-69/CONST.29
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



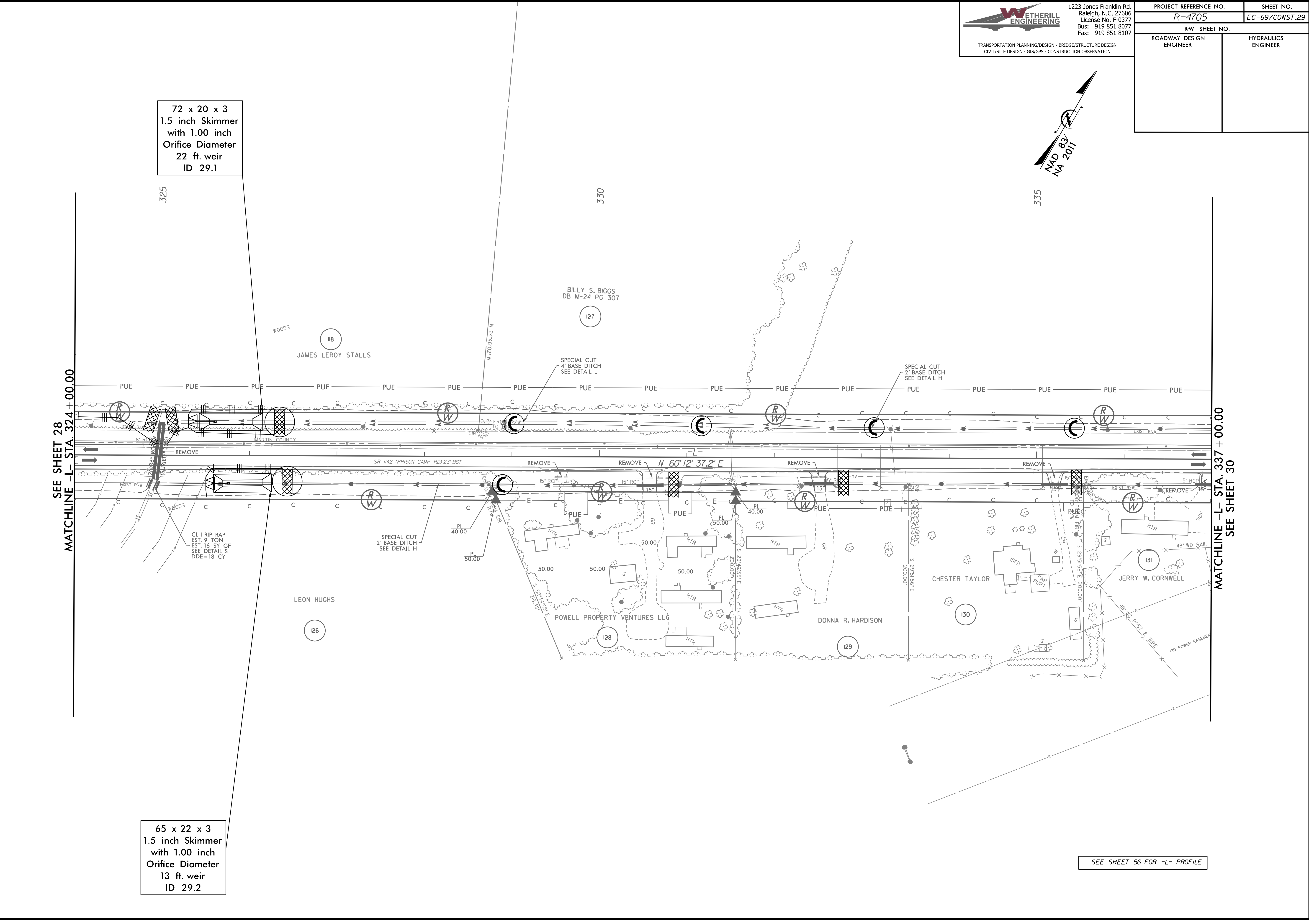
72 x 20 x 3
 1.5 inch Skimmer
 with 1.00 inch
 Orifice Diameter
 22 ft. weir
 ID 29.1

65 x 22 x 3
 1.5 inch Skimmer
 with 1.00 inch
 Orifice Diameter
 13 ft. weir
 ID 29.2

REVISIONS

SEE SHEET 28
 MATCHLINE -L- STA. 324 + 00.00

MATCHLINE -L- STA. 337 + 00.00
 SEE SHEET 30



SEE SHEET 56 FOR -L- PROFILE

8/17/99

3/14/2002 EC_fm01_psh_29.dgn
 USER: mlovey

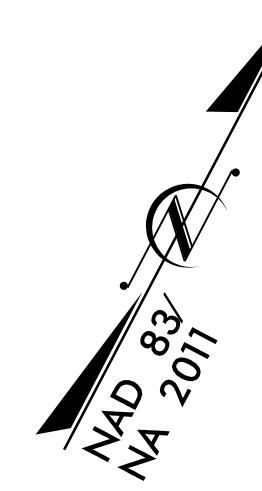
8/17/99



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PROJECT REFERENCE NO. R-4705		SHEET NO. EC-70/CONST.30
RW SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	

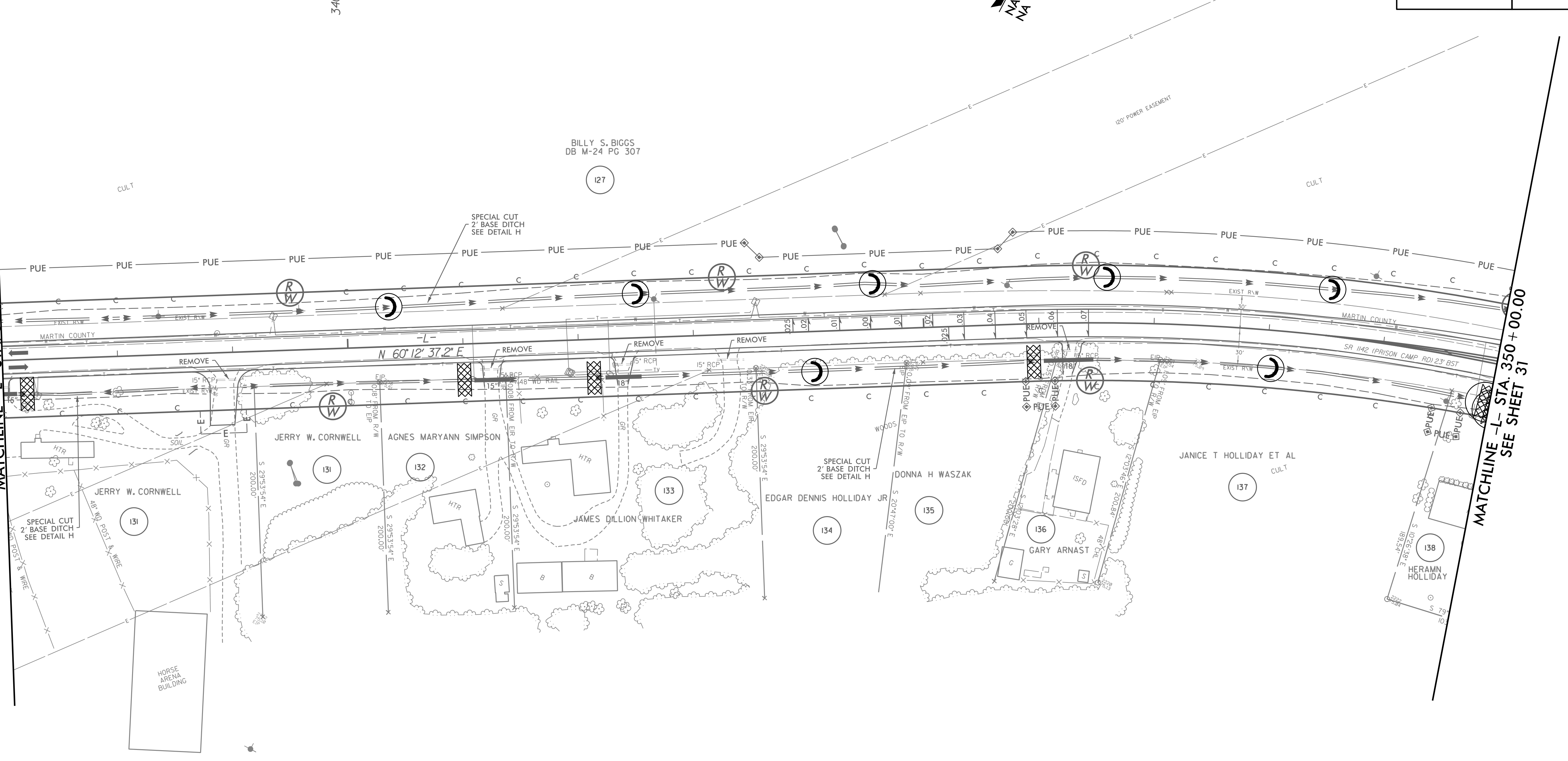
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION



REVISIONS

SEE SHEET 29
MATCHLINE -L- STA. 337 + 00.00

MATCHLINE -L- STA. 350 + 00.00
SEE SHEET 31



3/14/2002 EC_fm01_psh_30.dgn
USER:MLC

SEE SHEET 55&56 FOR -L- PROFILE

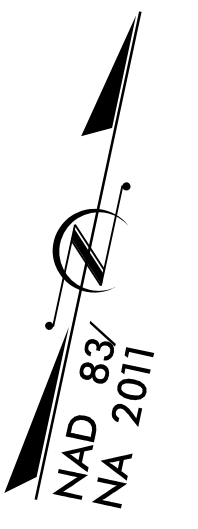
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. R-4705	SHEET NO. EC-71/CONST.31
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

117 x 30 x 3
 2 inch Skimmer
 with 1.625 inch
 Orifice Diameter
 22 ft. weir
 ID 31.3



72 x 30 x 3
 1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 22 ft. weir
 ID 31.1

80 x 26 x 3
 1.5 inch Skimmer
 with 1.25 inch
 Orifice Diameter
 18 ft. weir
 ID 31.4

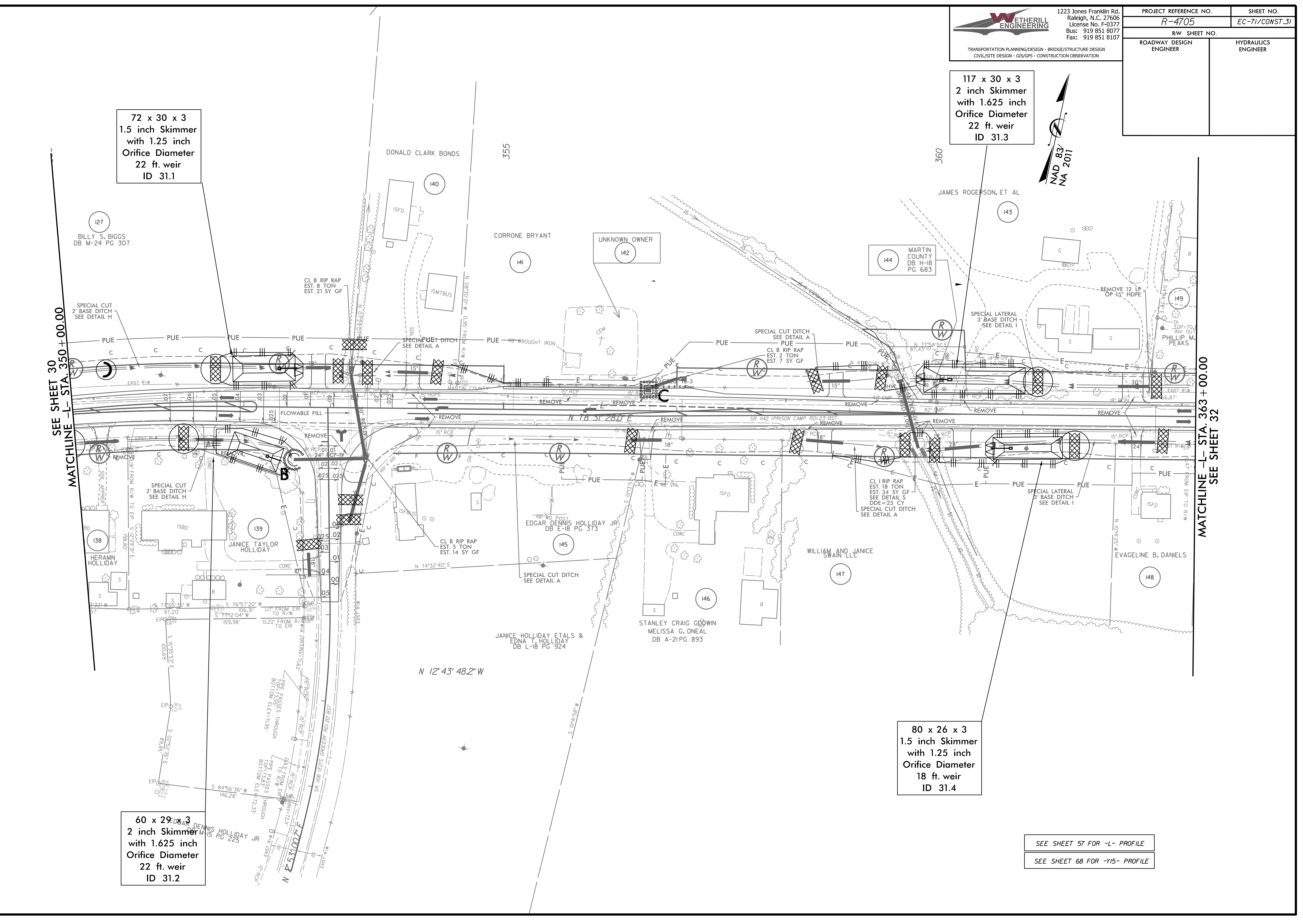
60 x 29 x 3
 2 inch Skimmer
 with 1.625 inch
 Orifice Diameter
 22 ft. weir
 ID 31.2

SEE SHEET 30
 MATCHLINE -L- STA. 350 +00.00

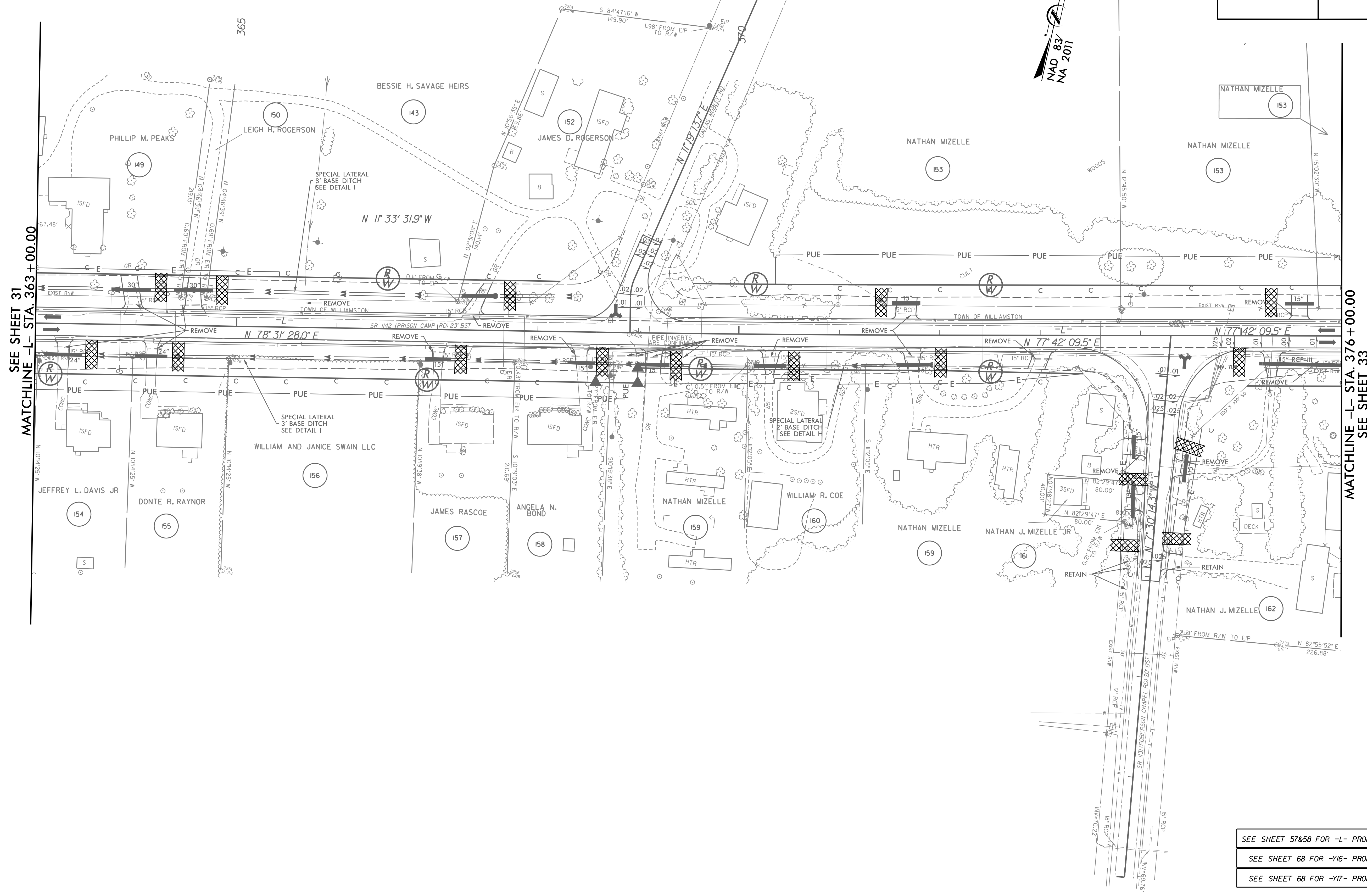
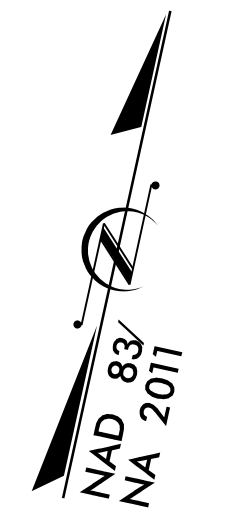
MATCHLINE -L- STA. 363 +00.00
 SEE SHEET 32

REVISIONS

3/14/2002 EC_fm01_psh_31.dgn
 USER: M...VER



PROJECT REFERENCE NO. R-4705	SHEET NO. EC-72/CONST.32
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



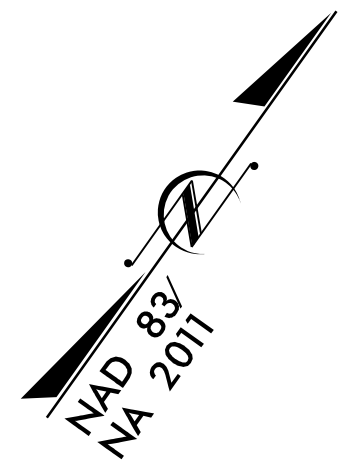
REVISIONS

SEE SHEET 31
MATCHLINE -L- STA. 363 + 00.00

MATCHLINE -L- STA. 376 + 00.00
SEE SHEET 33

SEE SHEET 57&58 FOR -L- PROFILE
 SEE SHEET 68 FOR -Y16- PROFILE
 SEE SHEET 68 FOR -Y17- PROFILE

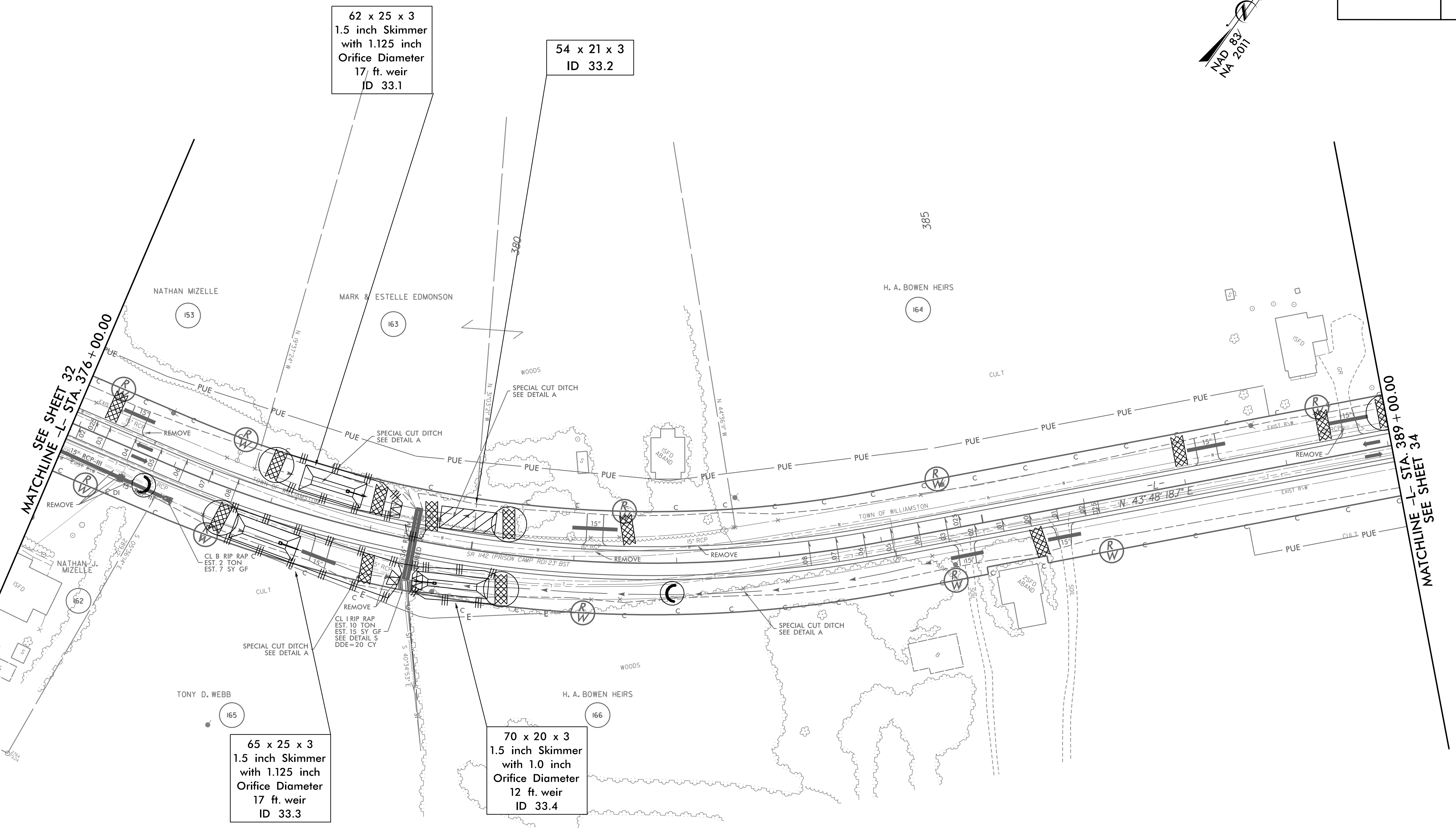
PROJECT REFERENCE NO.	SHEET NO.
R-4705	EC-73/CONST.33
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

8/17/99

3/14/2002 EC_fm01_psh_33.dgn
 USER: MHW



MATCHLINE -L- STA. 376+00.00
 SEE SHEET 32

MATCHLINE -L- STA. 389+00.00
 SEE SHEET 34

SEE SHEET 58 FOR -L- PROFILE

8/17/99



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PROJECT REFERENCE NO. R-4705	SHEET NO. EC-74/CONST.34
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION



62 x 16 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
8 ft. weir
ID 34.1

117 x 26 x 3
1.5 inch Skimmer
with 1.5 inch
Orifice Diameter
18 ft. weir
ID 34.2

49 x 22 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
14 ft. weir
ID 34.4

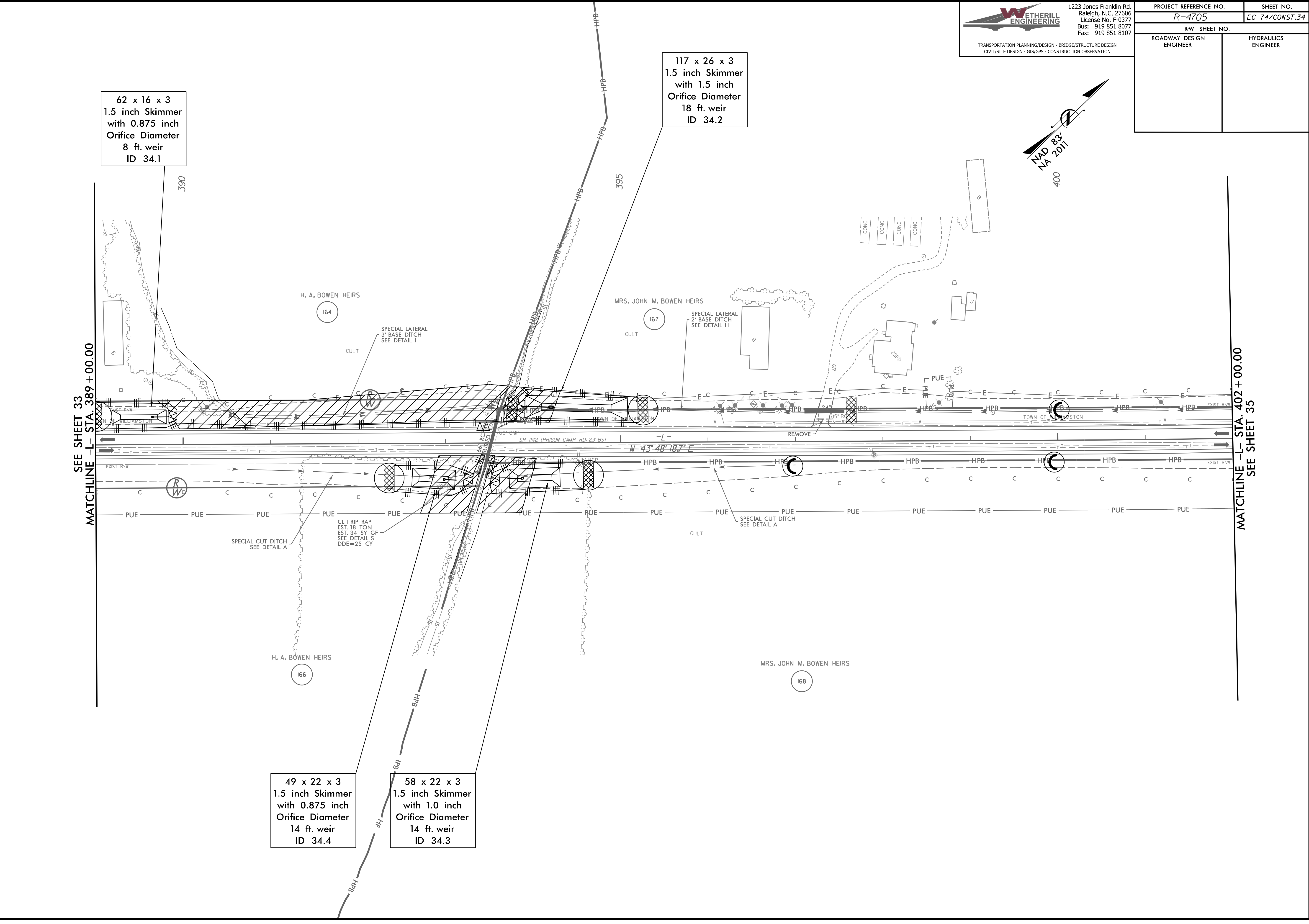
58 x 22 x 3
1.5 inch Skimmer
with 1.0 inch
Orifice Diameter
14 ft. weir
ID 34.3

REVISIONS

SEE SHEET 33
MATCHLINE -L- STA. 389+00.00

MATCHLINE -L- STA. 402+00.00
SEE SHEET 35

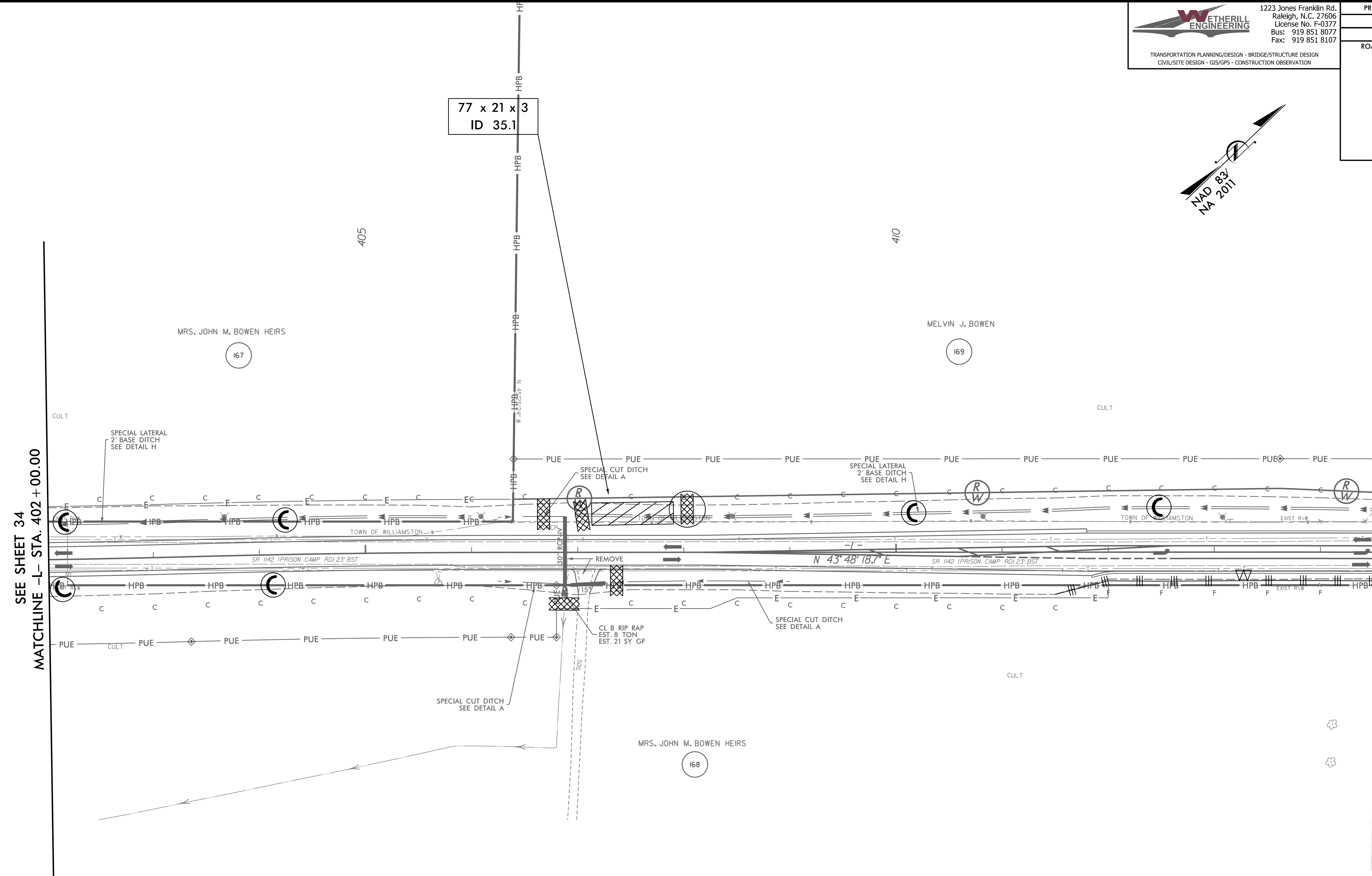
3/14/2002 EC_fm01_psh_34.dgn
USER: MBOVEN



PROJECT REFERENCE NO.	SHEET NO.
R-4705	EC-75/CONST.35
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



77 x 21 x 3
 ID 35.1



REVISIONS

SEE SHEET 34
 MATCHLINE -L- STA. 402 + 00.00

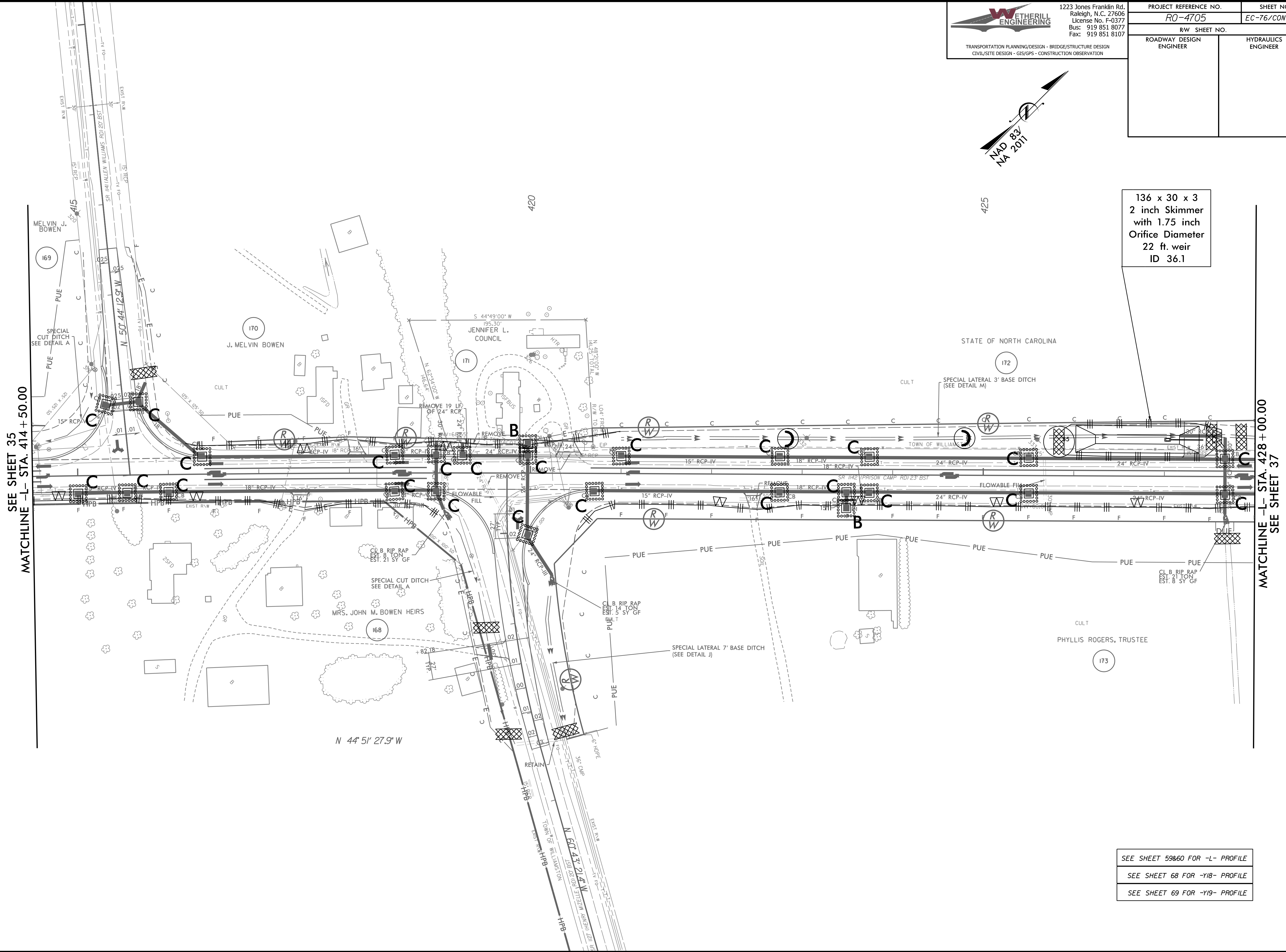
MATCHLINE -L- STA. 414 + 50.00
 SEE SHEET 36

SEE SHEET 59 FOR -L- PROFILE

PROJECT REFERENCE NO.	SHEET NO.
RO-4705	EC-76/CONST.36
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



136 x 30 x 3
 2 inch Skimmer
 with 1.75 inch
 Orifice Diameter
 22 ft. weir
 ID 36.1



SEE SHEET 35
 MATCHLINE -L- STA. 414 + 50.00

MATCHLINE -L- STA. 428 + 00.00
 SEE SHEET 37

REVISIONS

SEE SHEET 59&60 FOR -L- PROFILE
 SEE SHEET 68 FOR -Y18- PROFILE
 SEE SHEET 69 FOR -Y19- PROFILE

3/14/2002 EC_fm01_psh_36.dgn
 USER: m...
 8/17/99

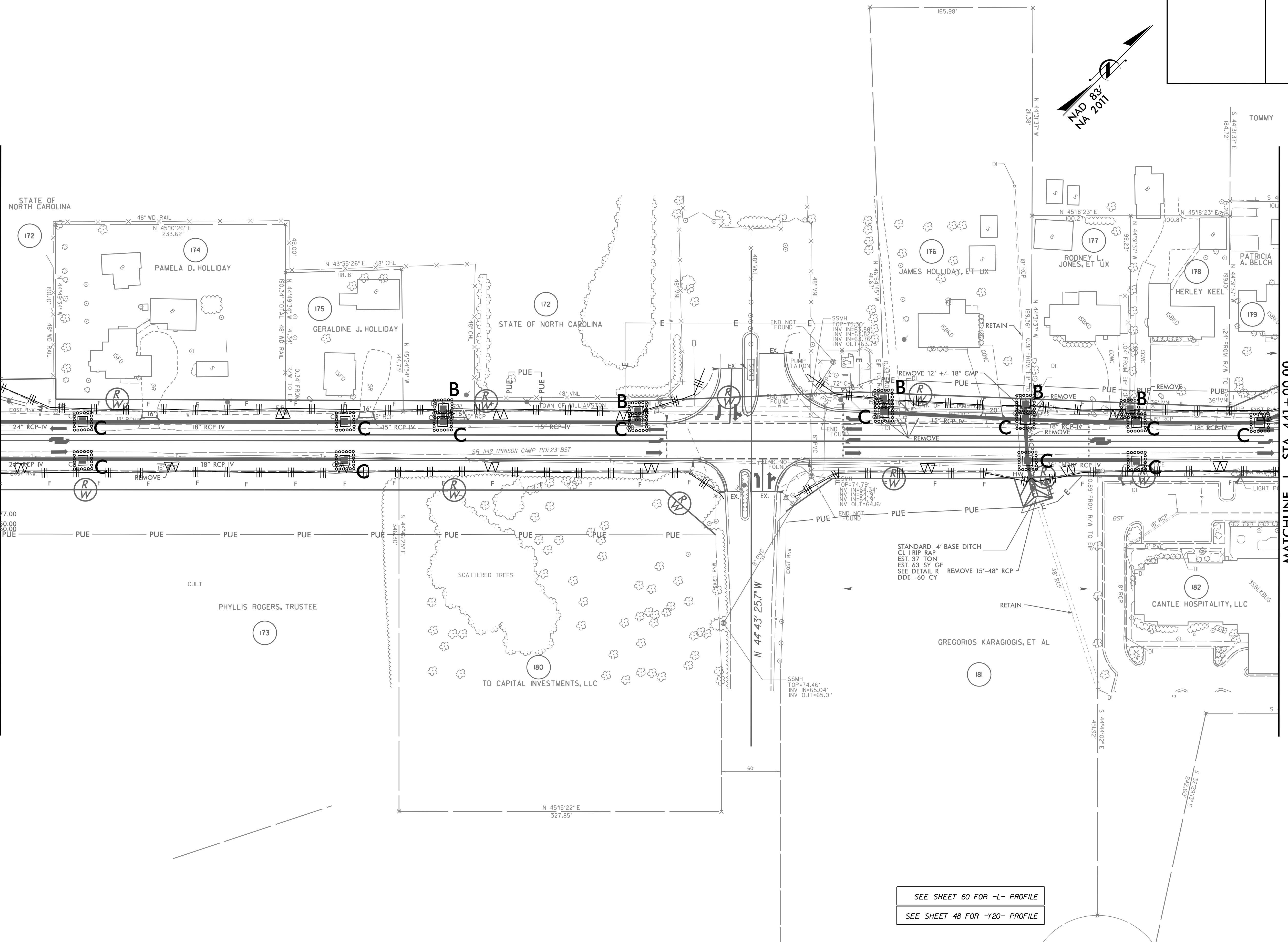
PROJECT REFERENCE NO. R-4705	SHEET NO. EC-77/CONST.37
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

SEE SHEET 36
MATCHLINE -L- STA. 428+00.00

MATCHLINE -L- STA. 441+00.00
SEE SHEET 38



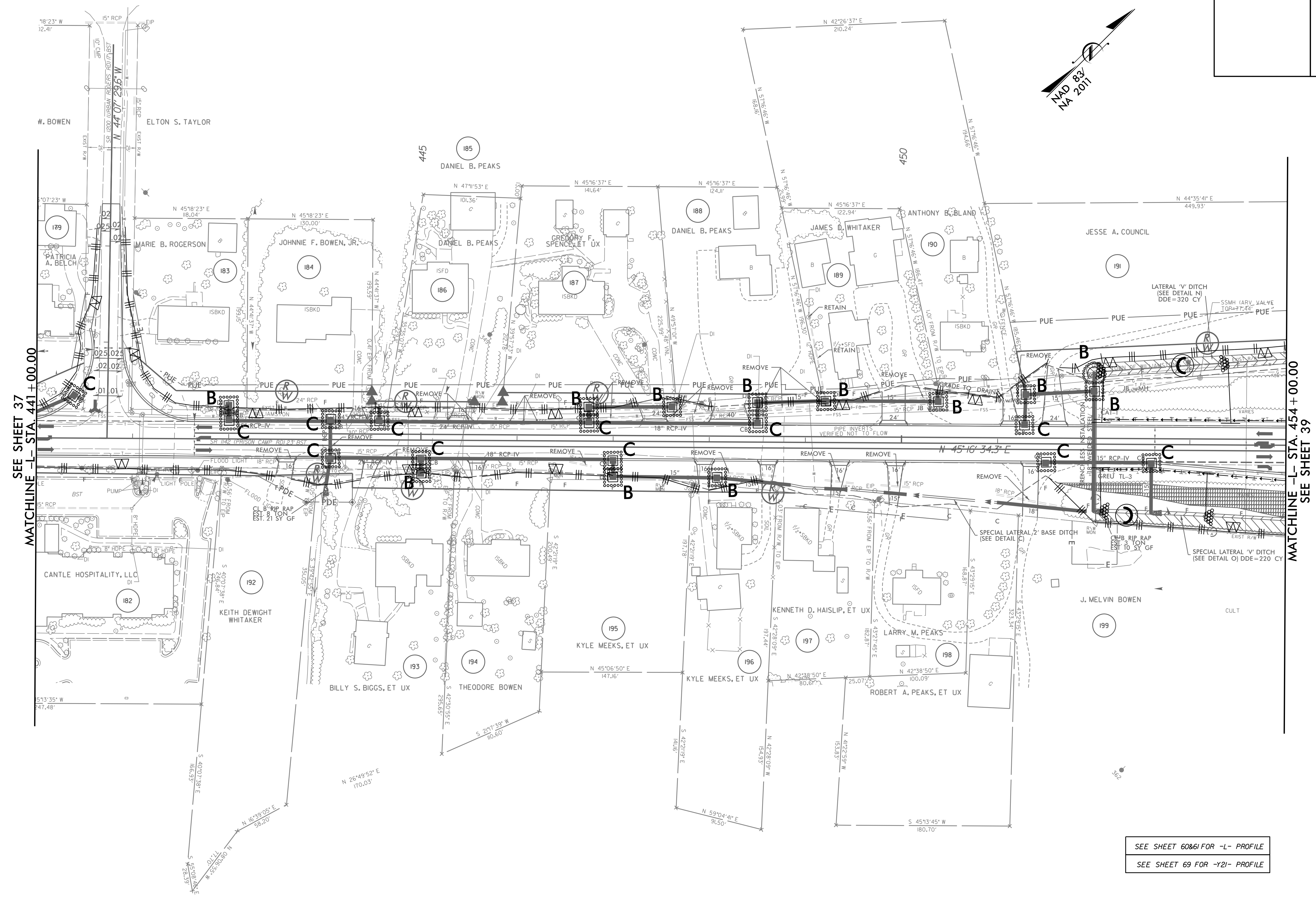
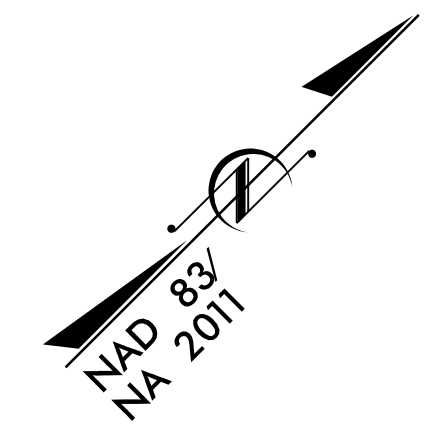
SEE SHEET 60 FOR -L- PROFILE
 SEE SHEET 48 FOR -Y20- PROFILE



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PROJECT REFERENCE NO. R-4705	SHEET NO. EC-78/CONST.38
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

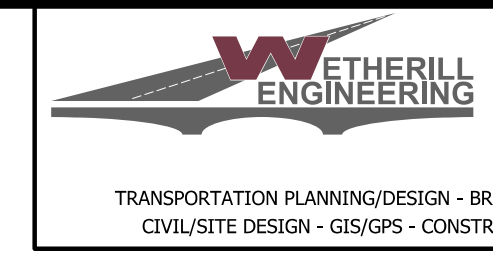
SEE SHEET 37
MATCHLINE -L- STA. 441+00.00

MATCHLINE -L- STA. 454+00.00
SEE SHEET 39

SEE SHEET 60&61 FOR -L- PROFILE
SEE SHEET 69 FOR -Y2- PROFILE

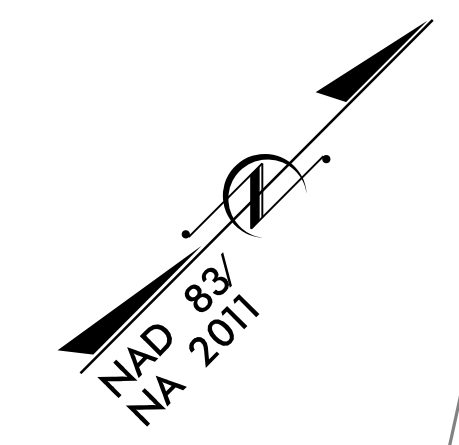
B/17/99

3/14/2002 EC_fm01_psh_38.dgn
USER:mlm



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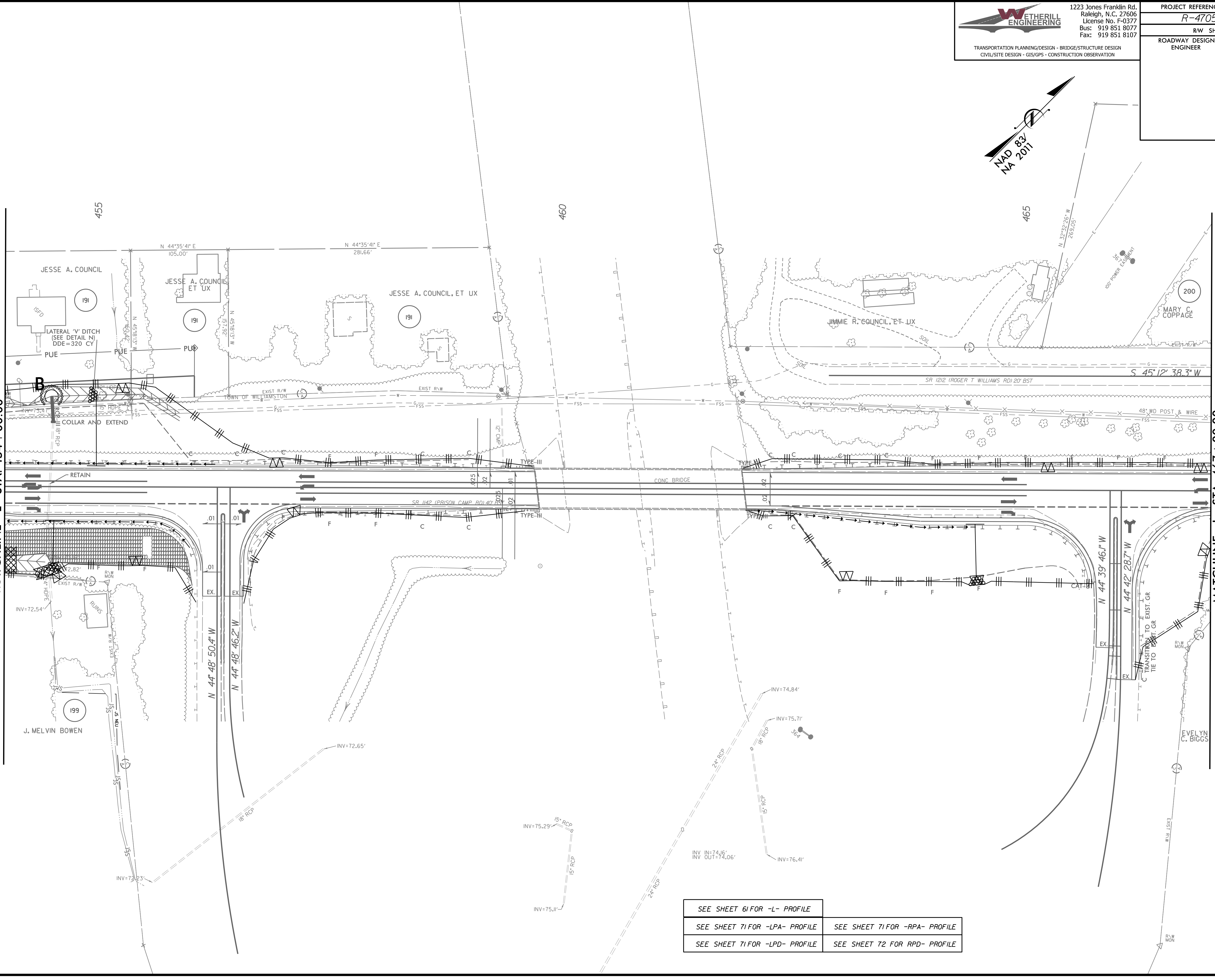
PROJECT REFERENCE NO.	SHEET NO.
R-4705	EC-79/CONST.39
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

SEE SHEET 38
MATCHLINE -L- STA. 454+00.00

MATCHLINE -L- STA. 467+00.00
SEE SHEET 40

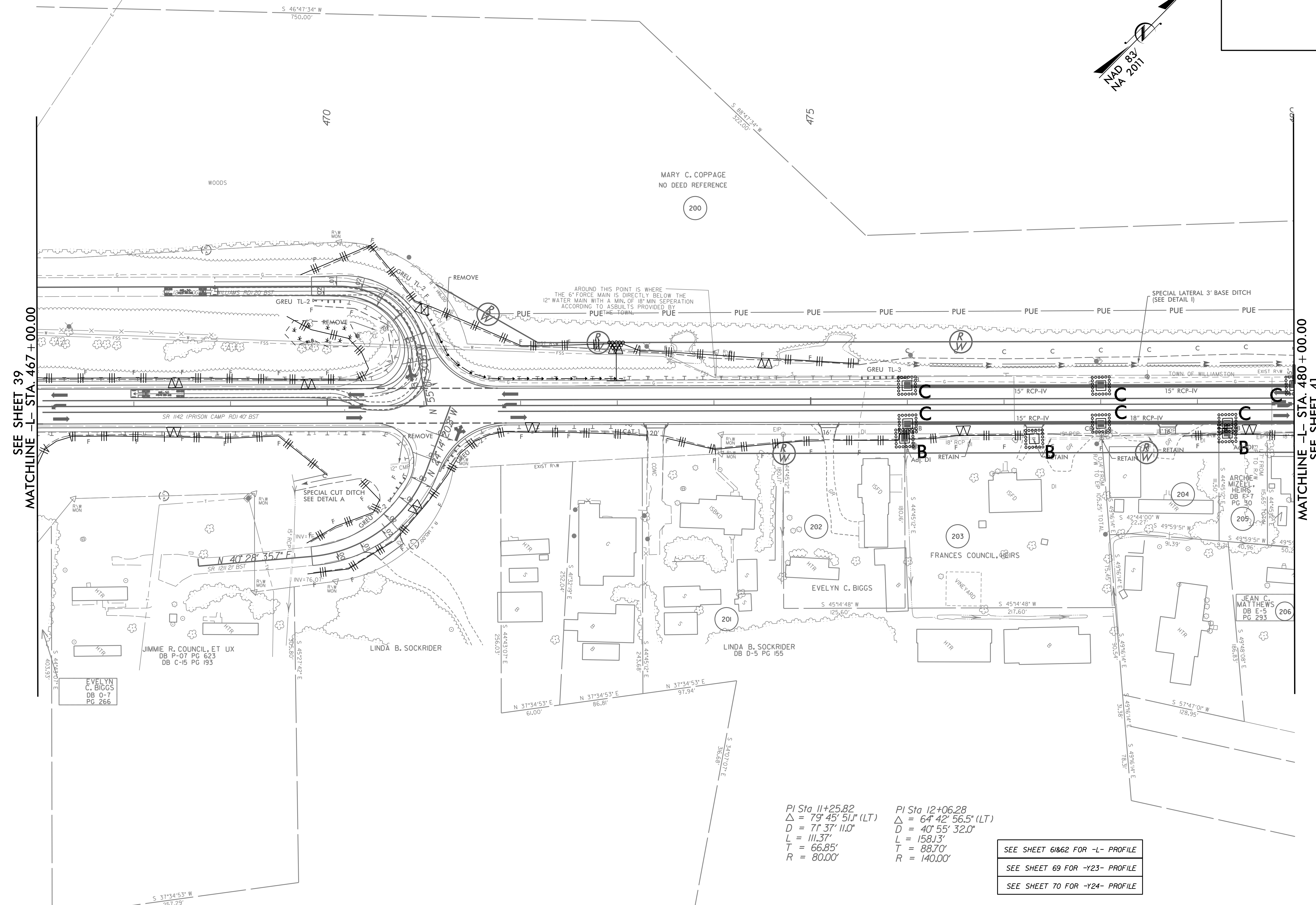
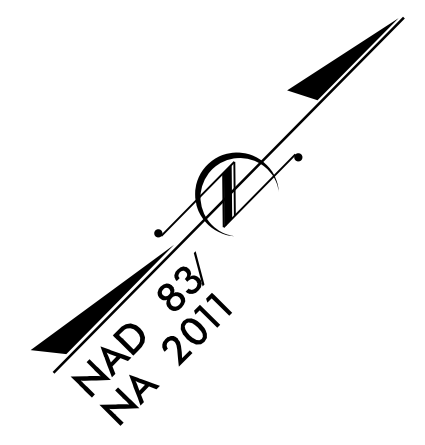


SEE SHEET 61 FOR -L- PROFILE	
SEE SHEET 71 FOR -LPA- PROFILE	SEE SHEET 71 FOR -RPA- PROFILE
SEE SHEET 71 FOR -LPD- PROFILE	SEE SHEET 72 FOR RPD- PROFILE

3/14/2002 EC_fm01_psh_39.dgn
 USER: MLOVEH

8/17/99

PROJECT REFERENCE NO. R-4705	SHEET NO. EC-80/CONST.40
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



REVISIONS

SEE SHEET 39
 MATCHLINE -L- STA. 467 +00.00

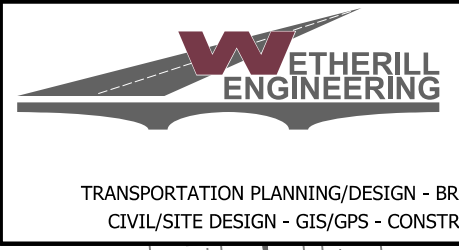
MATCHLINE -L- STA. 480 +00.00
 SEE SHEET 41

PI Sta 11+25.82
 $\Delta = 79' 45' 51.1''$ (LT)
 $D = 71' 37' 11.0''$
 $L = 111.37'$
 $T = 66.85'$
 $R = 80.00'$

PI Sta 12+06.28
 $\Delta = 64' 42' 56.5''$ (LT)
 $D = 40' 55' 32.0''$
 $L = 158.13'$
 $T = 88.70'$
 $R = 140.00'$

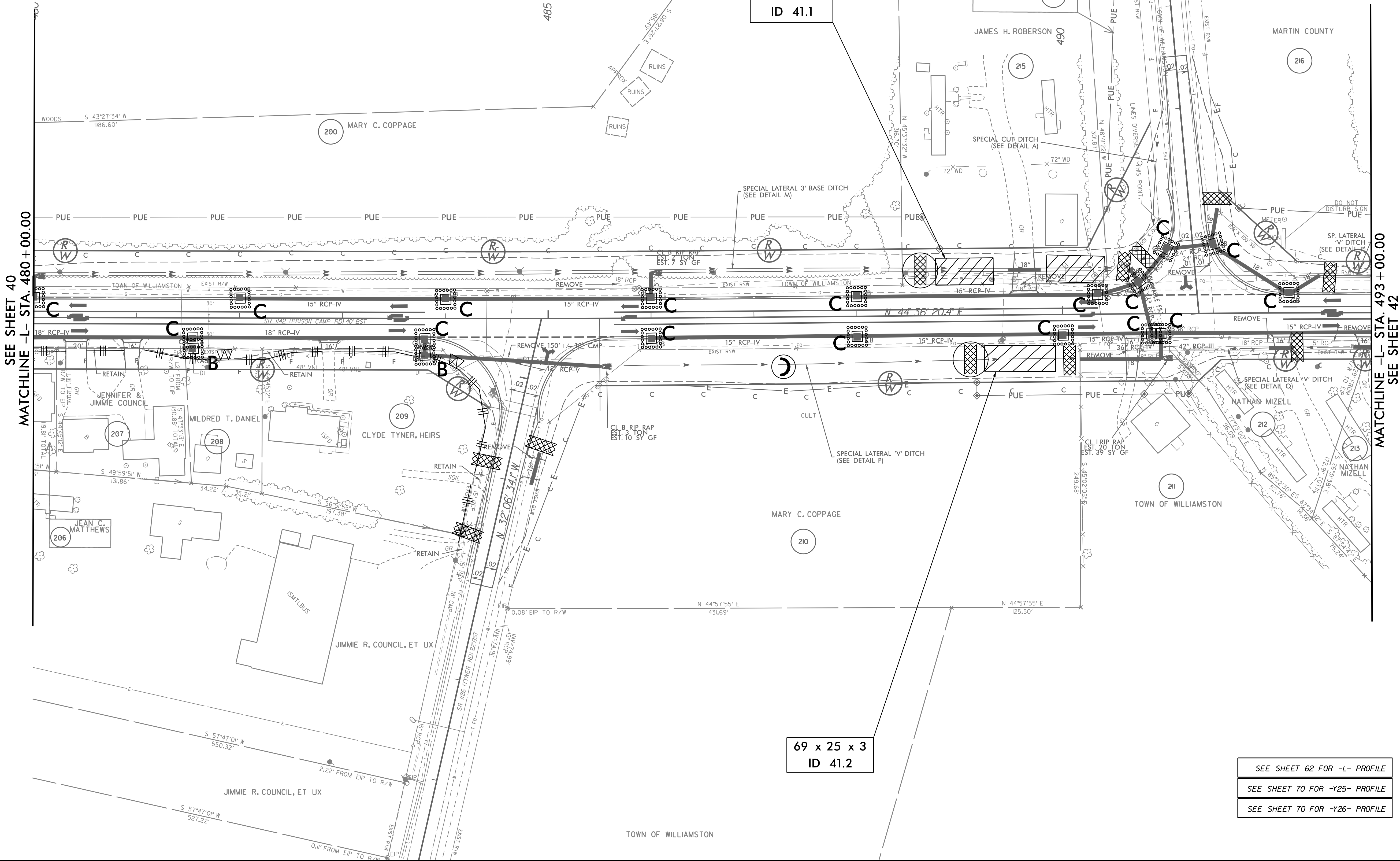
SEE SHEET 61&62 FOR -L- PROFILE
 SEE SHEET 69 FOR -Y23- PROFILE
 SEE SHEET 70 FOR -Y24- PROFILE

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PROJECT REFERENCE NO. R-4705	SHEET NO. EC-81/CONST.41
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



2@
56 x 26 x 3
ID 41.1

69 x 25 x 3
ID 41.2

SEE SHEET 40
MATCHLINE -L- STA. 480 + 00.00

MATCHLINE -L- STA. 493 + 00.00
SEE SHEET 42

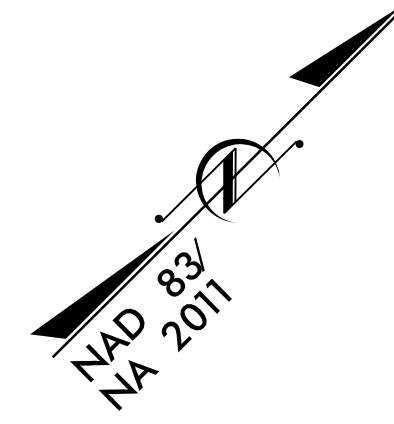
- SEE SHEET 62 FOR -L- PROFILE
- SEE SHEET 70 FOR -Y25- PROFILE
- SEE SHEET 70 FOR -Y26- PROFILE

REVISIONS

8/17/99

3/7/2002 EC_fm01_psh_41.dgn
USER:MLC

PROJECT REFERENCE NO. R-4705	SHEET NO. EC-82/CONST.42
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



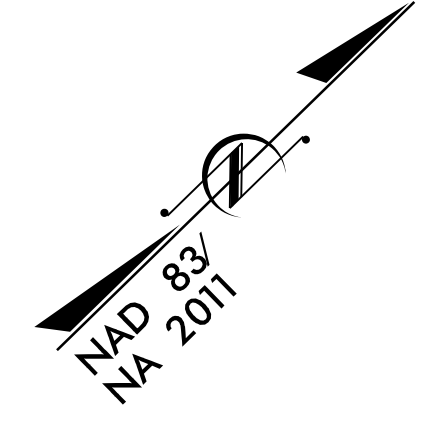
REVISIONS

SEE SHEET 41
 MATCHLINE -L- STA. 493 + 00.00

MATCHLINE -L- STA. 506 + 00.00
 SEE SHEET 43



SEE SHEET 62&63 FOR -L- PROFILE



REVISIONS

SEE SHEET 42
MATCHLINE -L- STA. 506+00.00

END PROJECT R-4705
-L- POT Sta. 516+10.98

SEE SHEET 63 FOR -L- PROFILE
 SEE SHEET TO FOR -Y27- PROFILE
 SEE SHEET 71 FOR -Y28- PROFILE

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3/16/2022 EC Final - psh_43.dgn
 11:55:44 AM

