

TAKOMA HILLS STREET RECONSTRUCTION - PHASE II

LEXINGTON DR, MT VERNON DR, TAKOMA DR, & RUBEN DR
PEWAUKEE, WI
LAST REVISED - SEPTEMBER 11, 2025



PROJECT
TAKOMA HILLS
STREET
RECONSTRUCTION
PHASE II

CLIENT

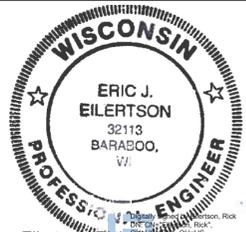


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REGISTRATION



Eilertson, Rick
ISSUE/REVISION

I/R	DATE	DESCRIPTION
1	9/11/25	BIDSET

KEY PLAN

PROJECT NUMBER

60339891

SHEET TITLE

COVER

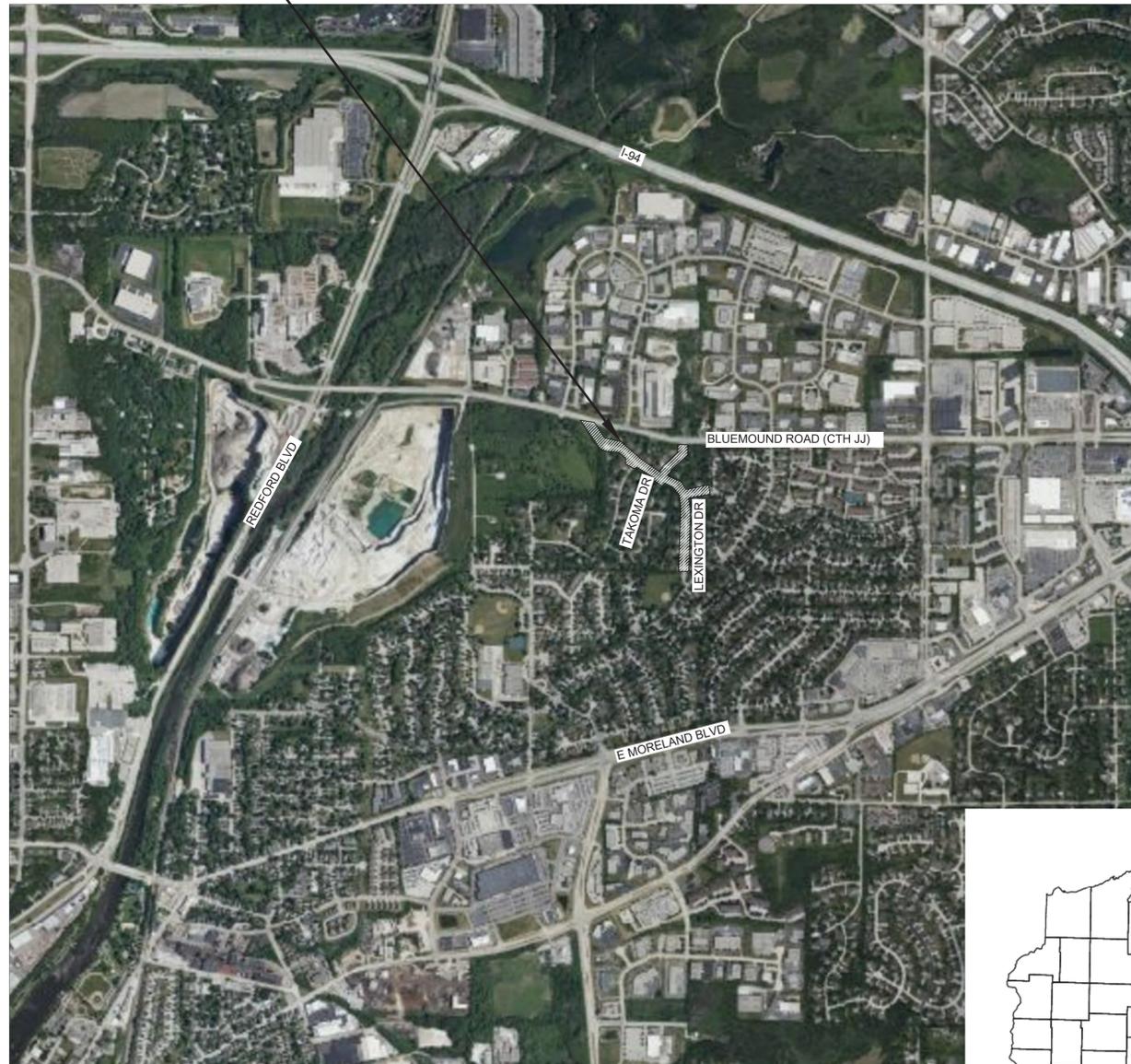
SHEET NUMBER

1

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PROJECT LOCATION



NOTE: MAP NOT TO SCALE

VICINITY MAP

NO SCALE



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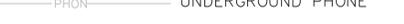
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LEGEND

-  SANITARY MANHOLE
-  STORM MANHOLE
-  STORM PIPE INVERT
-  HYDRANT
-  WATER VALVE
-  WATER SHUT OFF
-  WELL
-  POWER POLE
-  YARD LIGHT POLE
-  GUY POLE
-  GUY WIRE
-  ELECTRIC METER/PEDESTAL
-  TELEPHONE PEDESTAL
-  GAS VALVE
-  GAS POST
-  SIGN
-  POST
-  FLAG POLE
-  MAIL BOX
-  BUSH
-  DECIDUOUS TREE
-  CONIFEROUS TREE
-  ROCK
-  FOUND IRON PIPE
-  AECOM TRAVERSE POINT
-  BENCHMARK
-  FOUND OLD TRAVERSE POINT (MAG)
-  WATER MAIN INSULATION
-  1' CONTOUR
-  5' CONTOUR
-  SANITARY SEWER LINE
-  SANITARY FORCE MAIN
-  STORM SEWER LINE
-  OVERHEAD ELECTRIC LINE
-  UNDERGROUND ELECTRIC
-  UNDERGROUND PHONE
-  CENTERLINE ROAD
-  EDGE OF GRAVEL
-  CENTERLINE OF DITCH
-  TREELINE/BRUSH LINE
-  LANDSCAPE AREA
-  CULVERT LINE
-  DATA PRODUCED FROM SUBDIVISION PLAT
-  RIGHT-OF-WAY

ABBREVIATIONS

AC	ACRES
ASPH.	ASPHALT
B.A.D.	BASE AGGREGATE DENSE
BM	BENCH MARK
BOD	BOTTOM OF DITCH
C & G	CURB AND GUTTER
C/L	CENTERLINE
C.T.H.	COUNTY TRUNK HIGHWAY
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
COR.	CORNER
D	DEGREE OF CURVE
DIA.	DIAMETER
E	EAST
E.B.S.	EXCAVATION BELOW SUBGRADE
EL OR ELEV	ELEVATION
ELEC.	ELECTRIC (AL)
EOG	EDGE OF GRAVEL
EP	EDGE OF PAVEMENT
EXC.	EXCAVATION
EX OR EXIST.	EXISTING
FG	FINISH GRADE
F.L. OR F/L	FLOW LINE
FT.	FOOT
HMA	HOT MIX ASPHALT
INL.	INLET
IE	INVERT ELEVATION
IP OR I.P.	IRON PIN
L	LENGTH OF CURVE
L.S.	LUMP SUM
LB.	POUND
LN	LANE
LT. OR LT	LEFT
M.L. OR M/L	MATCH LINE
MATL.	MATERIAL
MAX.	MAXIMUM
ME	MATCH EXISTING
MH.	MANHOLE
MIN.	MINIMUM
MON.	MONUMENT
N.	NORTH
N.C.	NORMAL CROWN
NOR. OR NORM.	NORMAL
P	PAGE
P.C.	POINT OF CURVATURE
P.C.C.	POINT OF COMPOUND CURVE
P.I.	POINT OF INTERSECTION
P.L.	PROPERTY LINE
P.T.	POINT OF TANGENCY
PAVT.	PAVEMENT
PROJ.	PROJECT
PT.	POINT
PR	PROPOSED
R	RADIUS
R/L	REFERENCE LINE
R/W	RIGHT-OF-WAY
RCP	REINFORCED CONCRETE PIPE
RD.	ROAD
REBAR.	REINFORCEMENT BAR
REINF	REINFORCING OR REINFORCEMENT
REM.	REMAINING
REQ'D.	REQUIRED
RRSP	RAILROAD SPIKE
RT OR RT.	RIGHT
S.F. OR SQ.FT.	SQUARE FEET
S.S.	STORM SEWER
S.S.P.R.C.	STORM SEWER PIPE REINFORCED CONCRETE
S.T.H.	STATE TRUNK HIGHWAYS
S.Y. OR SQ.YD.	SQUARE YARD
SEC.	SECTION
STA.	STATION
T	TANGENT
TEL.	TELEPHONE
TEMP.	TEMPORARY
TYP.	TYPICAL
V.C.	VERTICAL CURVE
W.	WEST
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE



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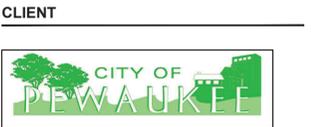
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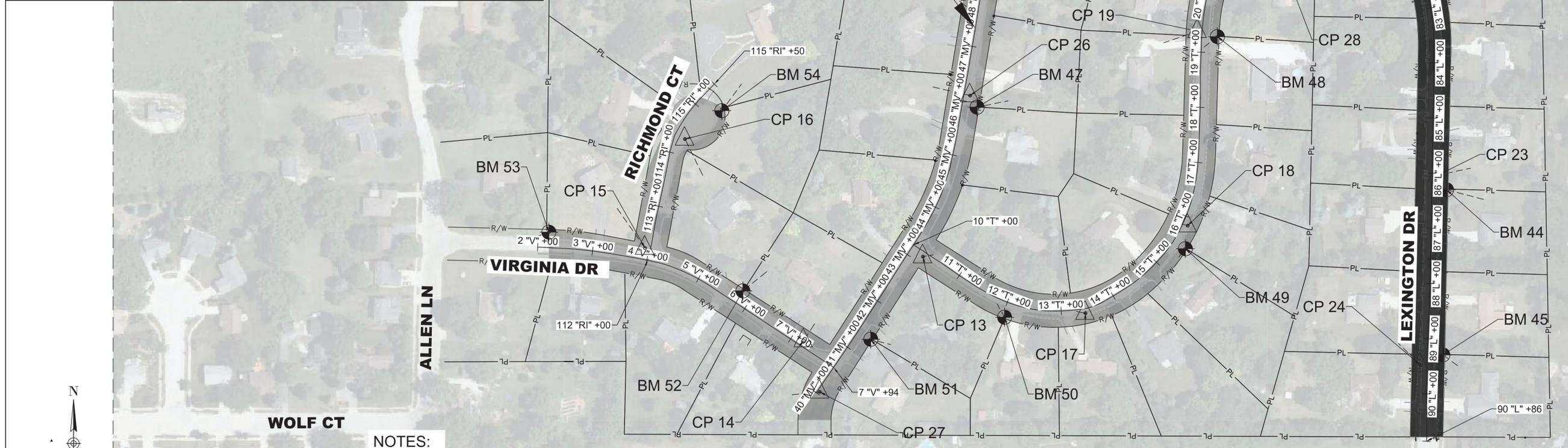
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 PROJECT LOCATION & PHASING MAP

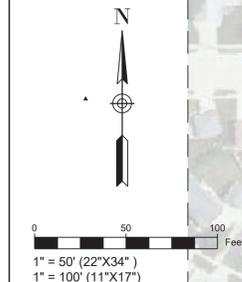
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CONTROL POINTS AND BENCHMARKS						
POINT #	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
10	70 "L"+12.06	0	382825.61	2481170.78	869.32	CP / MAG NAIL
11	53"MV"+23.81	6.52	382641.83	2481540.42	871.15	CP / MAG NAIL
12	48"MV"+22.28	10.39	382186.44	2481342.37	894.43	CP / MAG NAIL
13	10"V"+26.36	8.4	381683.41	2481243.66	903.03	CP / MAG NAIL
14	7"V"+21.39	10.46	381531.02	2481026.77	904.30	CP / MAG NAIL
15	112"RI"+20.36	10.1	381698.80	2480738.76	912.40	CP / MAG NAIL
16	114"RI"+34.63	19.43	381896.51	2480811.27	924.83	CP / MAG NAIL
17	13"V"+42.98	8.22	381580.92	2481538.94	911.18	CP / MAG NAIL
18	15"V"+85.58	9.14	381739.46	2481724.51	899.46	CP / MAG NAIL
19	19"V"+37.41	8.23	382091.74	2481742.49	881.75	CP / MAG NAIL
20	78"V"+28.34	14.88	382468.07	2481873.35	873.41	CP / MAG NAIL
21	26"V"+59.18	11.94	382714.74	2482086.67	890.15	CP / MAG NAIL
22	140"R"+39.17	10.44	382278.28	2482167.02	876.06	CP / MAG NAIL
23	86"V"+03.46	10.78	381830.90	2482179.10	880.42	CP / MAG NAIL
24	89"V"+48.23	11.79	381486.66	2482147.36	892.20	CP / MAG NAIL
25	76"V"+51.83	10.41	382540.68	2481714.32	872.06	CP / MAG NAIL
26	46"MV"+11.78	11.32	381975.22	2481329.28	898.03	CP / MAG NAIL
27	40"MV"+04.73	4.36	381438.13	2481056.18	903.54	CP / 3/4 REBAR
28	22"V"+13.09	11.46	382346.93	2481845.94	874.15	CP / MAG NAIL
40	74"V"+38.19	29.14	382686.18	2481562.00	872.24	BM / NE BURY BOLT
41	78"V"+14.40	29.68	382478.28	2481865.52	873.94	BM / NE BURY BOLT
42	26+94.40	27.37	382735.35	2482121.93	895.95	BM / NE BURY BOLT
43	82+02.36	23.41	382236.56	2482165.48	878.18	BM / SE BURY TAG BOLT
44	86+30.21	27.11	381804.58	2482194.88	883.65	BM / NE BURY BOLT
45	89+28.37	28.65	381505.21	2482188.13	892.28	BM / NE BURY BOLT
46	49+18.89	27.82	382275.75	2481395.38	890.18	BM / NE BURY TAG BOLT
47	45+93.30	27.63	381954.13	2481342.05	899.73	BM / NW BURY TAG BOLT
48	19+30.32	28.52	382081.99	2481778.60	883.22	BM / NE BURY BOLT
49	15+49.16	25.63	381697.62	2481720.41	903.78	BM / NE BURY BOLT
50	12+04.48	27.08	381573.48	2481391.92	908.71	BM / SE BURY BOLT
51	41+35.39	27.21	381533.54	2481148.76	904.62	BM / NE BURY TAG BOLT
52	5+79.82	25.38	381621.20	2480916.56	909.63	BM / NW BURY TAG BOLT
53	2+18.28	27.93	381727.63	2480564.09	916.69	BM / NW BURY TAG BOLT
54	115+24.61	43.29	381947.76	2480878.26	929.84	BM / NE BURY TAG BOLT

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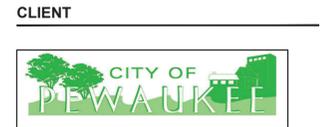
- NOTES:**
1. TOPOGRAPHIC SURVEY PERFORMED BY AECOM FROM DECEMBER 1, 2022 TO JANUARY 10, 2023.
 2. HORIZONTAL COORDINATES BASED ON WAUKESHA COUNTY
 3. VERTICAL DATUM BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)
 4. UTILITIES DOCUMENTED IN FIELD PER DIGGER'S HOTLINE TICKET NUMBERS 20224900207, 20224900209, 20224900213, 20224900215, 20224900217, 20224900218, 20224900221, 20224900222, 20224900223, 20224900225, 20224900228, 20224900229, 20224900249, AND 20224900251.
 5. PARCEL DATA AND FEATURES OUTSIDE OF SURVEYED PROPERTY FROM WAUKESHA COUNTY GIS.



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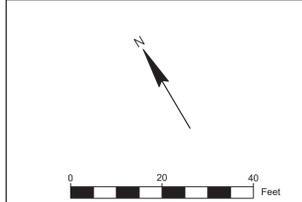
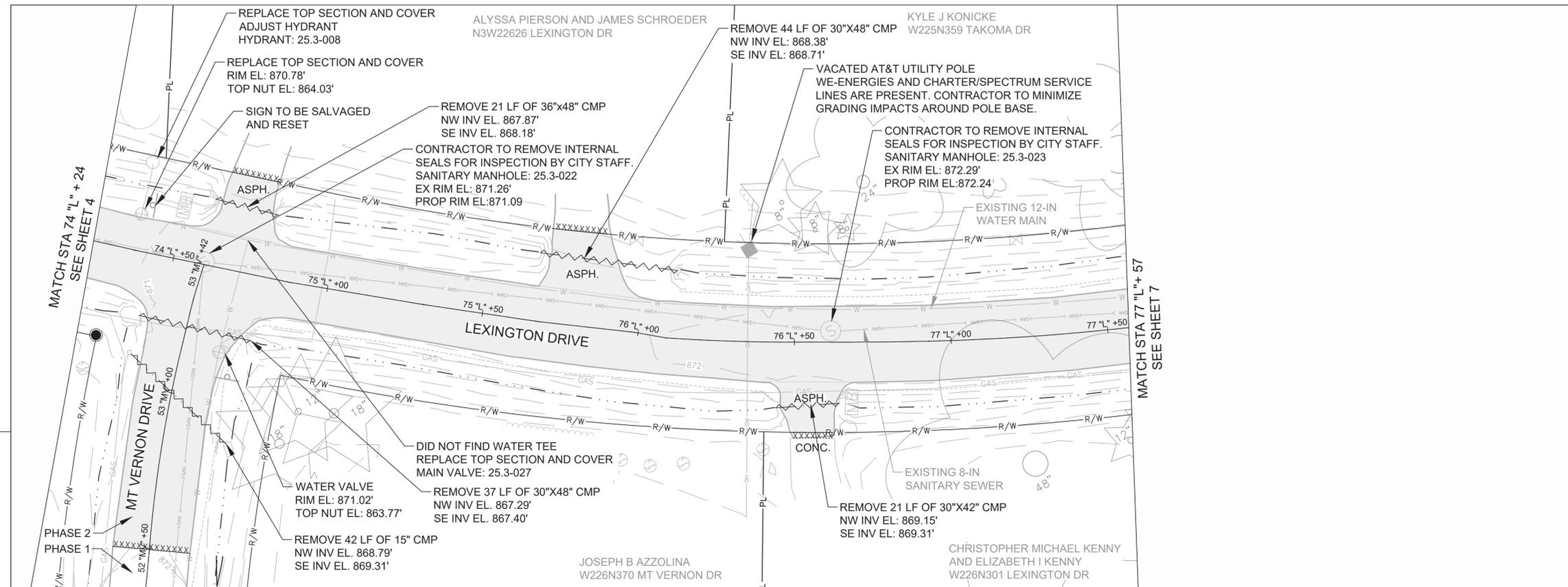
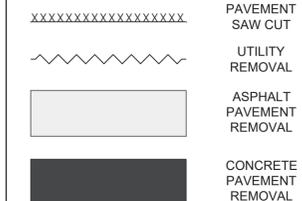
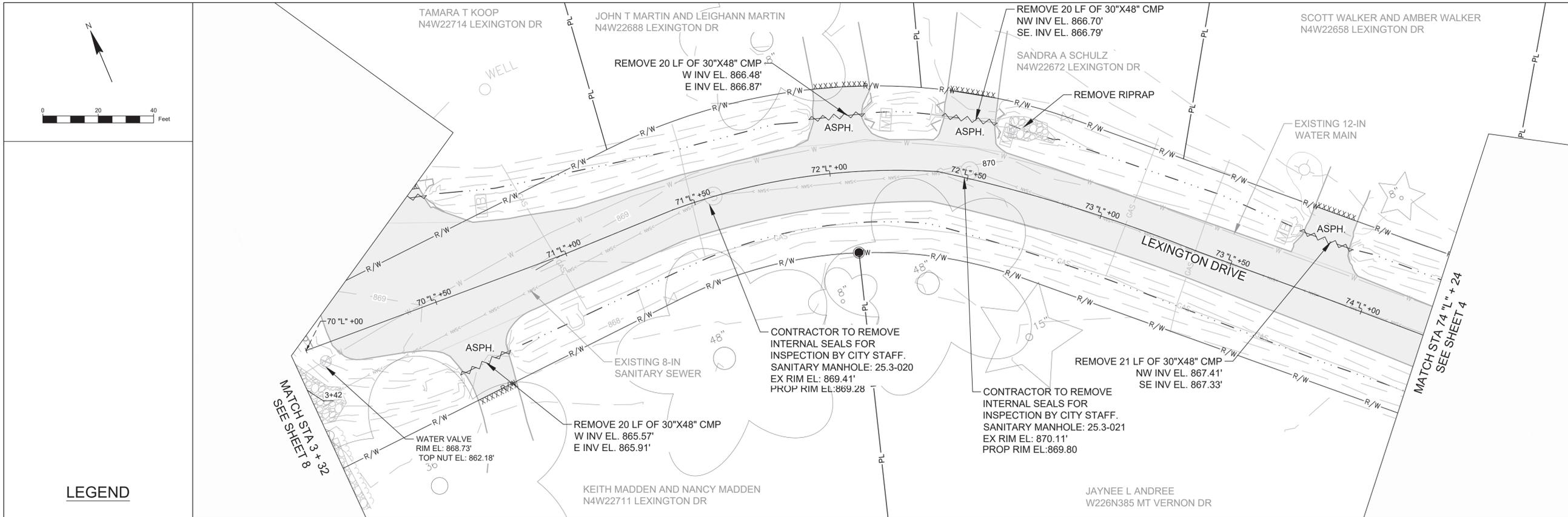
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SHEET TITLE
 LEXINGTON DR REMOVALS 1

SHEET NUMBER
 4



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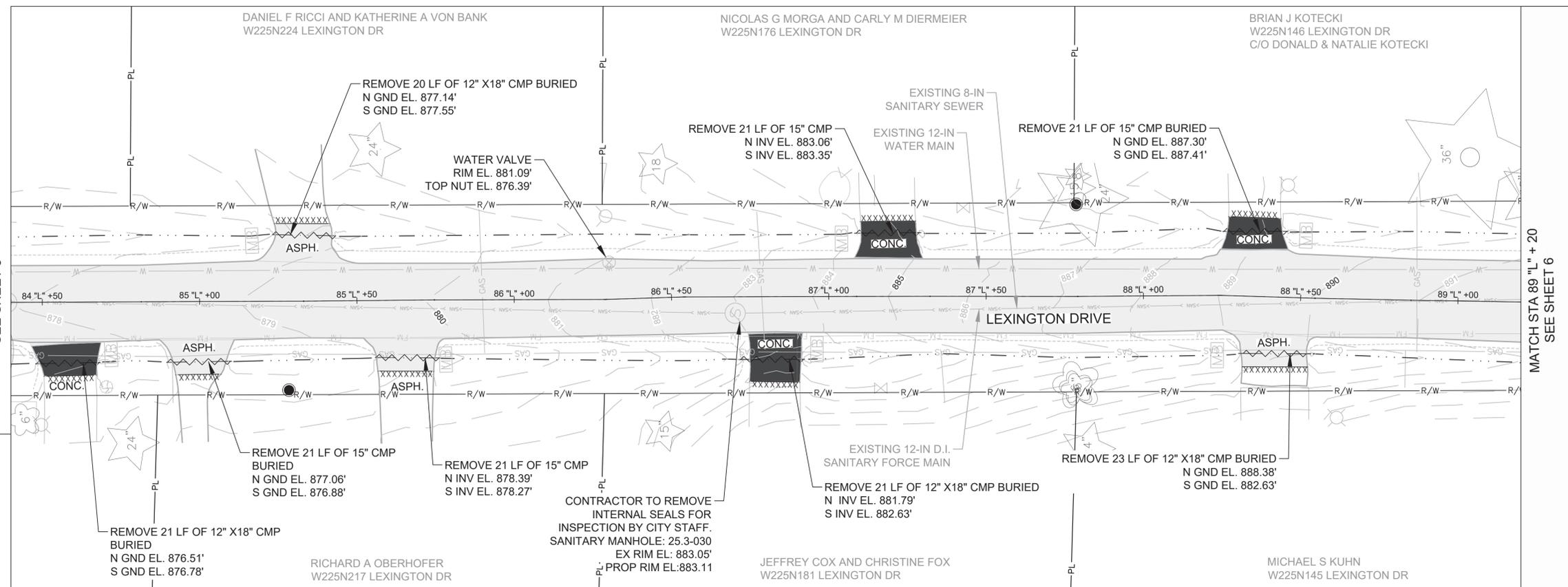
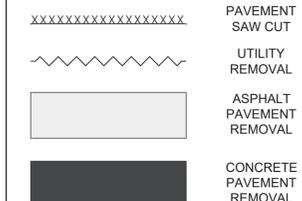
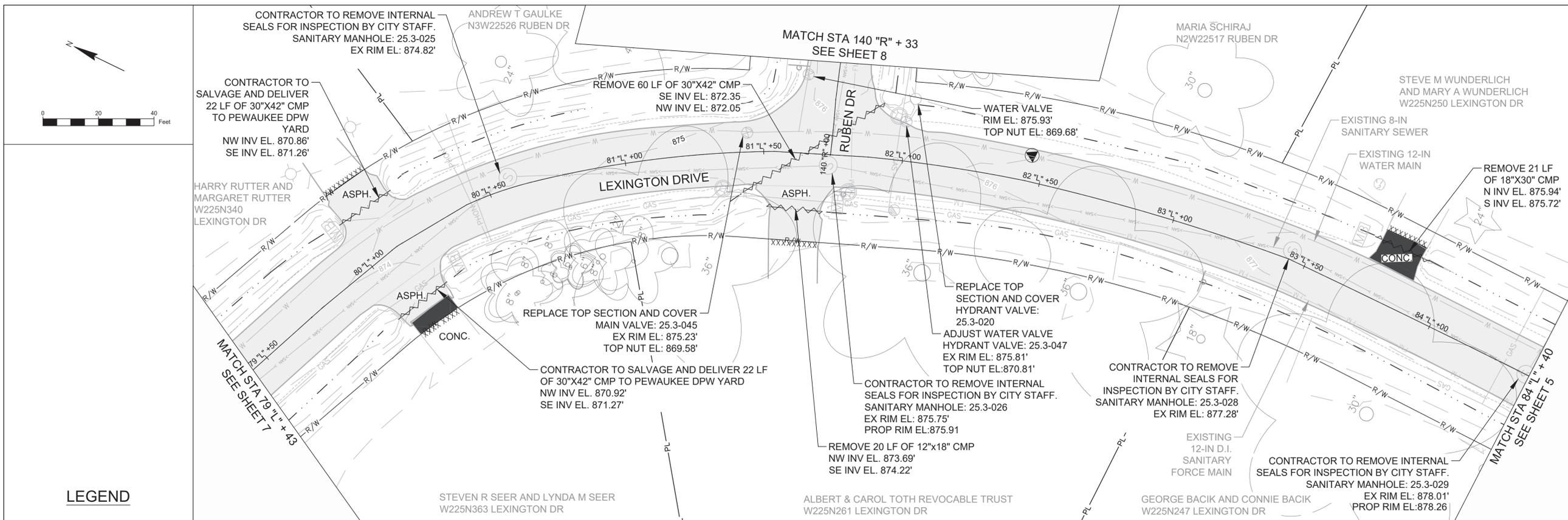
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SHEET TITLE

LEXINGTON DR REMOVALS 2

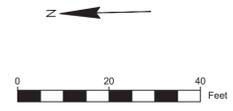
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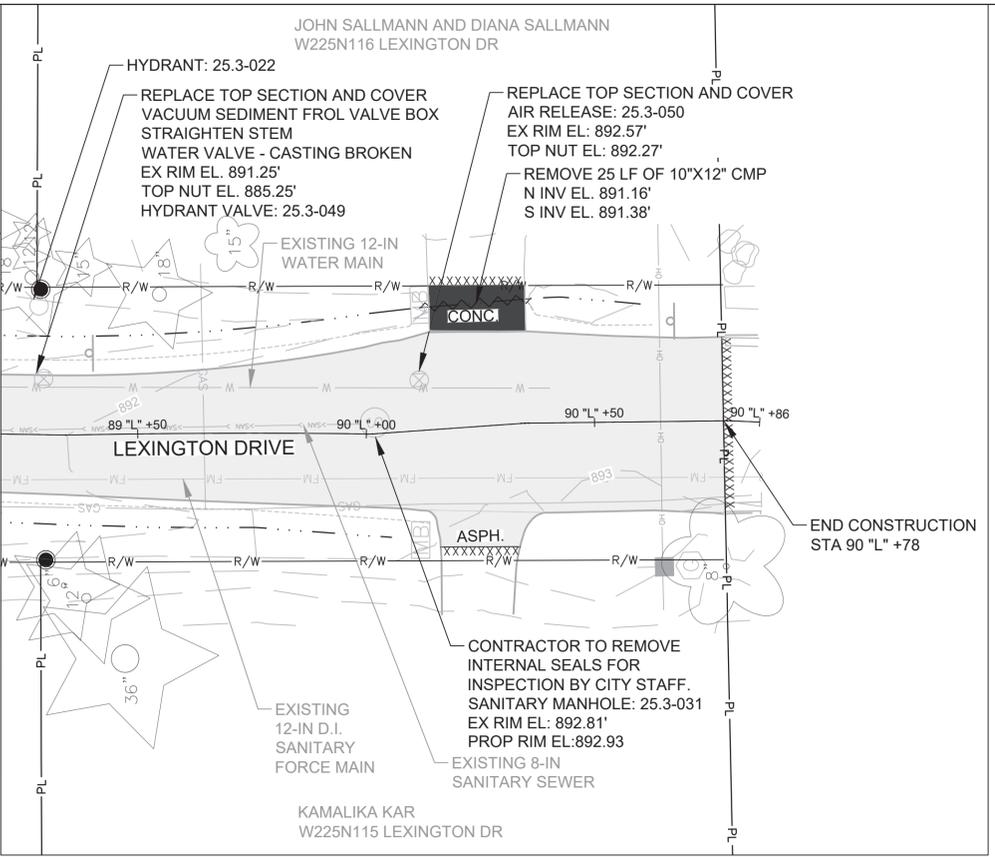


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MATCH STA 89 "+ 20
SEE SHEET 5

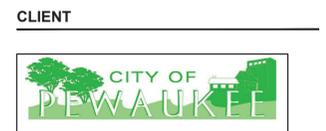


LEGEND

- XXXXXXXXXXXXXXXXXXXX PAVEMENT SAW CUT
- ~~~~~ UTILITY REMOVAL
- ▭ ASPHALT PAVEMENT REMOVAL
- ▭ CONCRETE PAVEMENT REMOVAL



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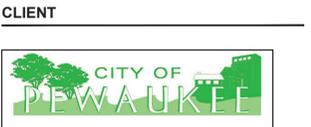
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SHEET TITLE
 LEXINGTON DR REMOVALS 3

SHEET NUMBER
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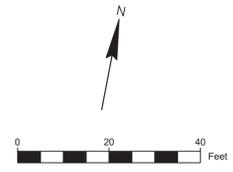
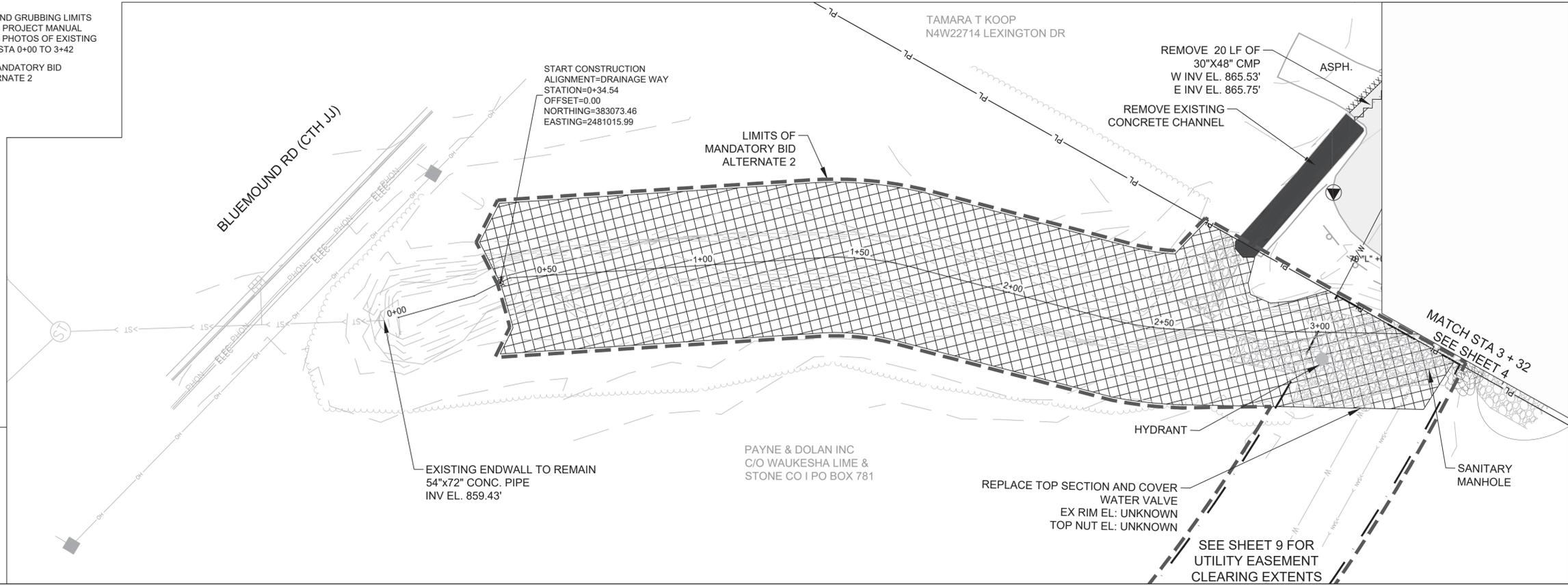
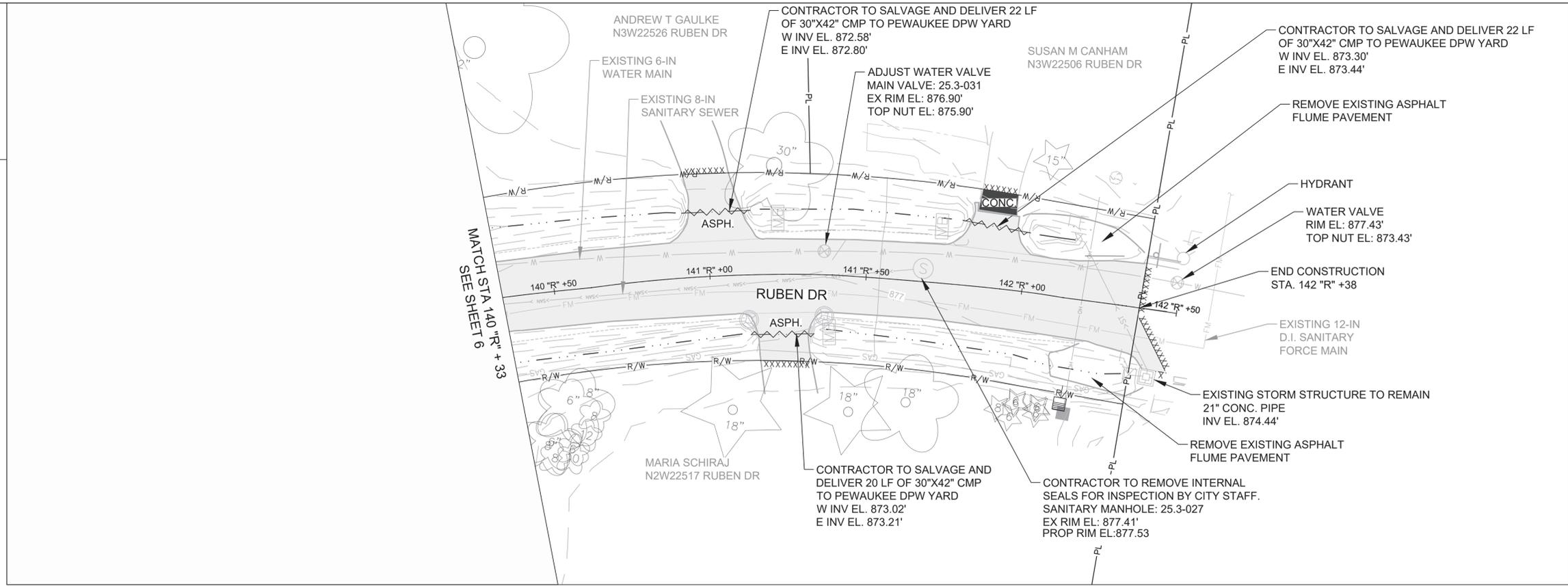
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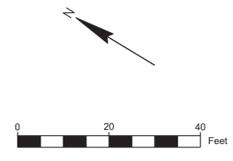
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 RUBEN DR AND DRAINAGE WAY REMOVALS

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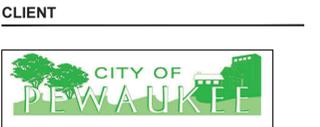
LEGEND

- XXXXXXXXXXXXXXXXXXXXX PAVEMENT SAW CUT
- ~~~~~ UTILITY REMOVAL
- ASPH. ASPHALT PAVEMENT REMOVAL
- CONC. CONCRETE PAVEMENT REMOVAL
- Clearing and grubbing limits REFER TO PROJECT MANUAL APPENDIX A - PHOTOS OF EXISTING SWALE STA 0+00 TO 3+42
- LIMITS OF MANDATORY BID ALTERNATE 2



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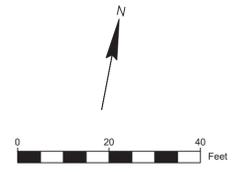
I/R	DATE	DESCRIPTION
1	9/11/25	BIDSET

KEY PLAN

PROJECT NUMBER
 60339891

SHEET TITLE
 UTILITY EASEMENT CLEARING

SHEET NUMBER
 9



LEGEND

- XXXXXXXXXXXXXXXXXXXX PAVEMENT SAW CUT
- ~~~~~ UTILITY REMOVAL
- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- CLEARING AND GRUBBING LIMITS REFER TO PROJECT MANUAL APPENDIX A - PHOTOS OF EXISTING SWALE STA 0+00 TO 3+42
- UTILITY EASEMENT CLEARING LIMITS
- LIMITS OF MANDATORY BID ALTERNATE 2



Google Earth

SANITARY SEWER & WATER MAIN EASEMENT
 DOC. # 2002205 REEL 2000 IMAGE 0537 10-12-1994

PAYNE & DOLAN INC.
 C/O WAUKESHA LIME &
 STONE CO | P.O. BOX 78

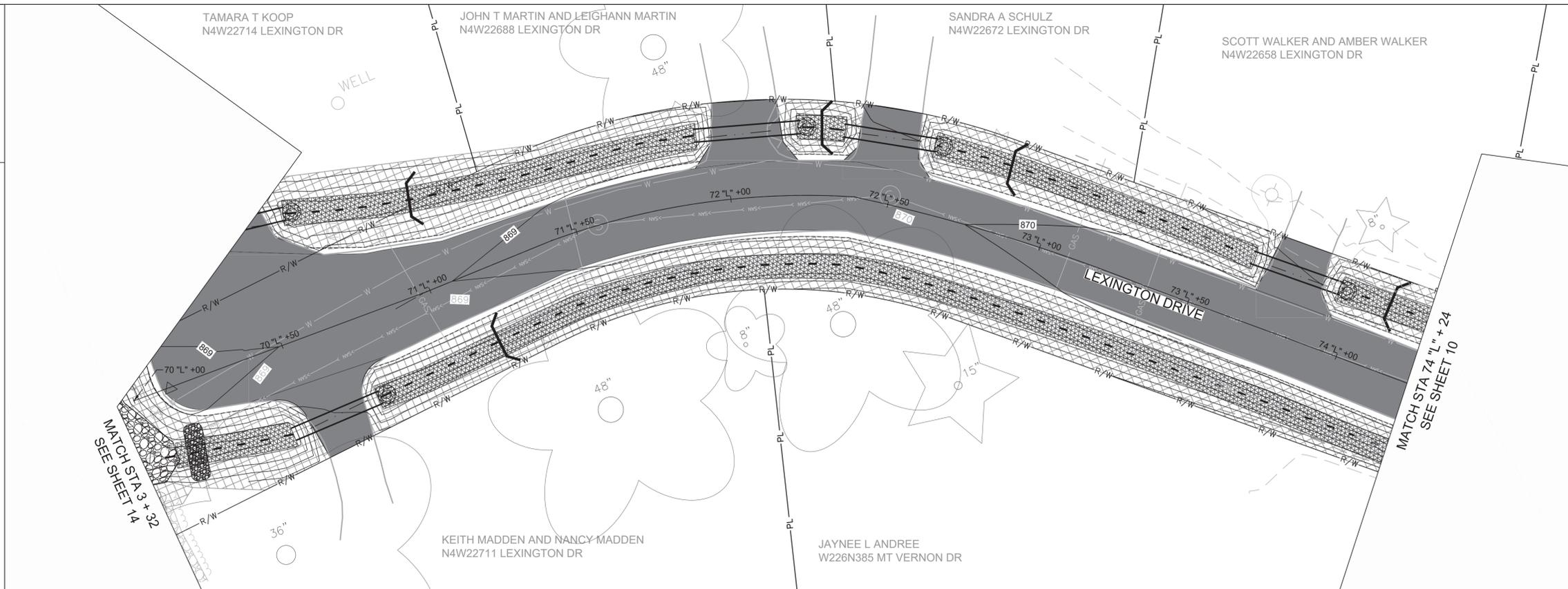
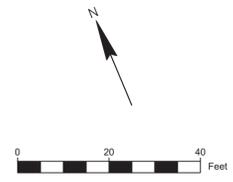
LIMITS OF MANDATORY BID ALTERNATE 2

TAMARA T ROOP
 N4W22714 LEXINGTON DR

HYDRANT

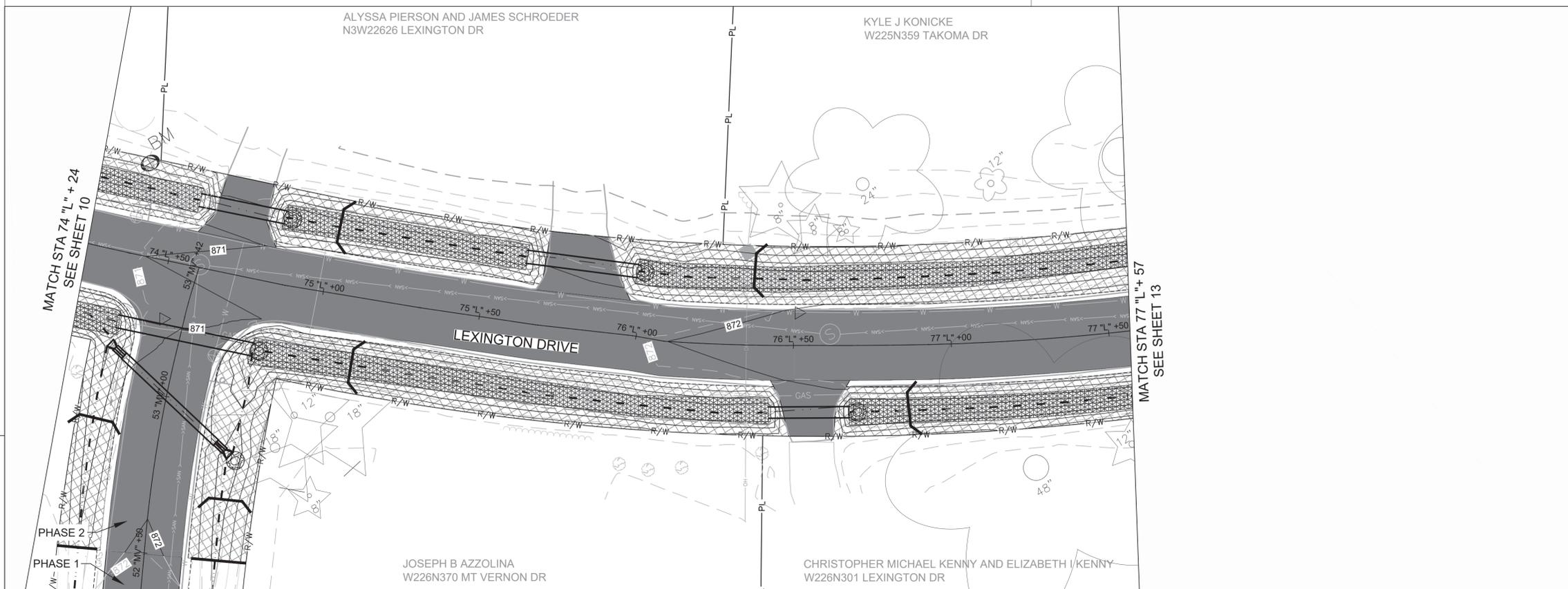
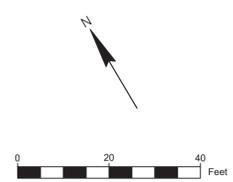
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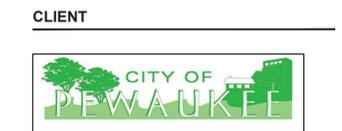


LEGEND

- INSTALL CLASS I URBAN TYPE B EMAT
- INSTALL EROSION CONTROL LOG
- STONE WEEPER
- CULVERT PIPE CHECK (UPSTREAM END ONLY)
- INSTALL CLASS III TYPE B EMAT
-



PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II



CLIENT
 W240 N3065 PEWAUKEE ROAD
 PEWAUKEE, WI 53072
 TELE: 262-691-0770

CONSULTANT
 AECOM
 1555 NORTH RIVERCENTER DRIVE SUITE 214
 MILWAUKEE, WI 53212
 414.944.6080 tel 414.944.6081 fax
 www.aecom.com

REGISTRATION

ISSUE/REVISION

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1	9/11/25	BIDSET

KEY PLAN

PROJECT NUMBER
 60339891

SHEET TITLE
 LEXINGTON DR EC 1

SHEET NUMBER
 10

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PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II

CLIENT



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 PEWAUKEE, WI 53072
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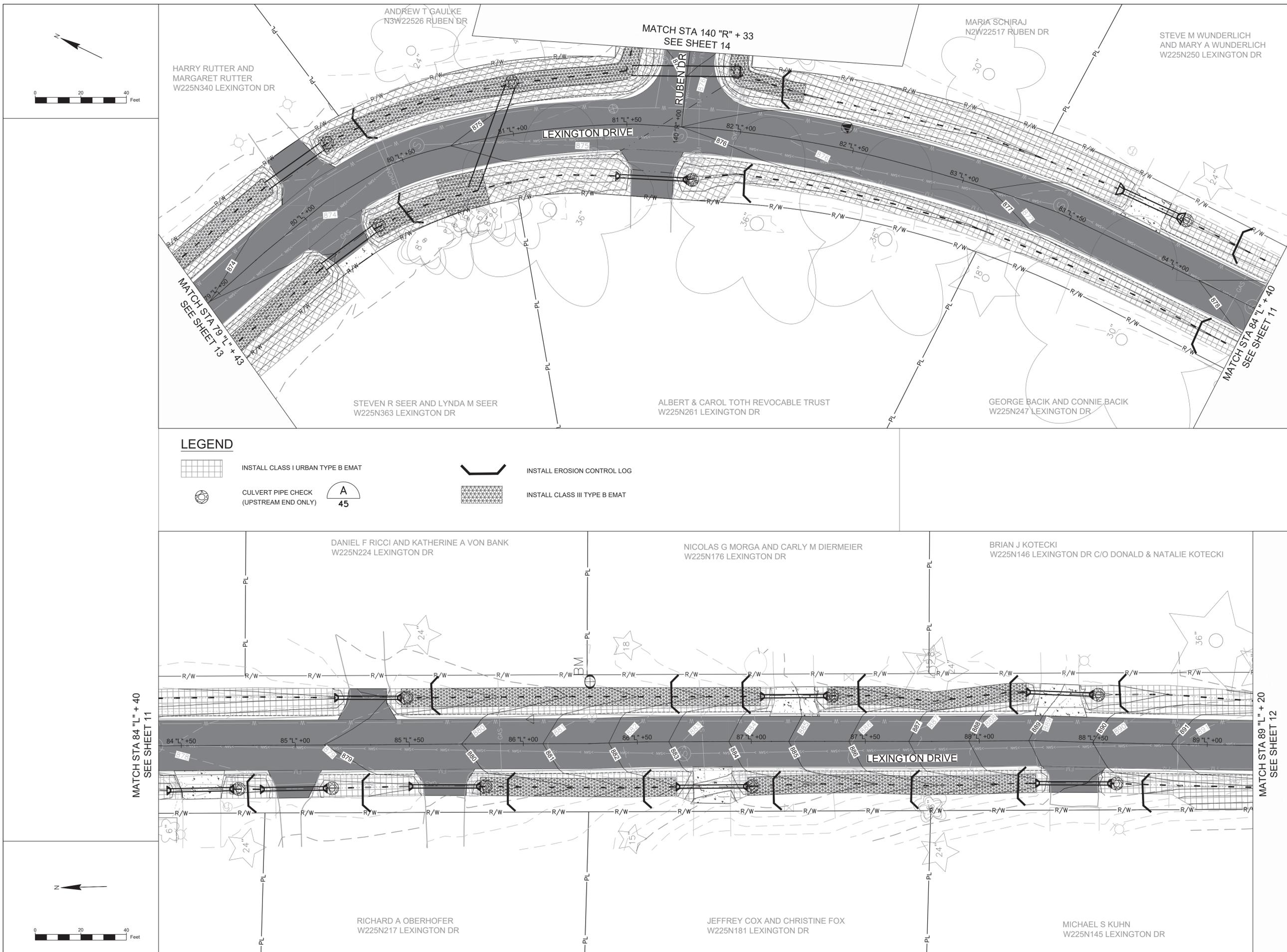
60339891

SHEET TITLE

LEXINGTON DR EC 2

SHEET NUMBER

11



LEGEND

- INSTALL CLASS I URBAN TYPE B EMAT
- INSTALL EROSION CONTROL LOG
- CULVERT PIPE CHECK (UPSTREAM END ONLY)
- INSTALL CLASS III TYPE B EMAT

DANIEL F RICCI AND KATHERINE A VON BANK
 W225N224 LEXINGTON DR

NICOLAS G MORG AND CARLY M DIERMEIER
 W225N176 LEXINGTON DR

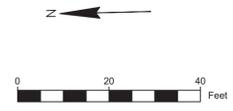
BRIAN J KOTECKI
 W225N146 LEXINGTON DR C/O DONALD & NATALIE KOTECKI

RICHARD A OBERHOFER
 W225N217 LEXINGTON DR

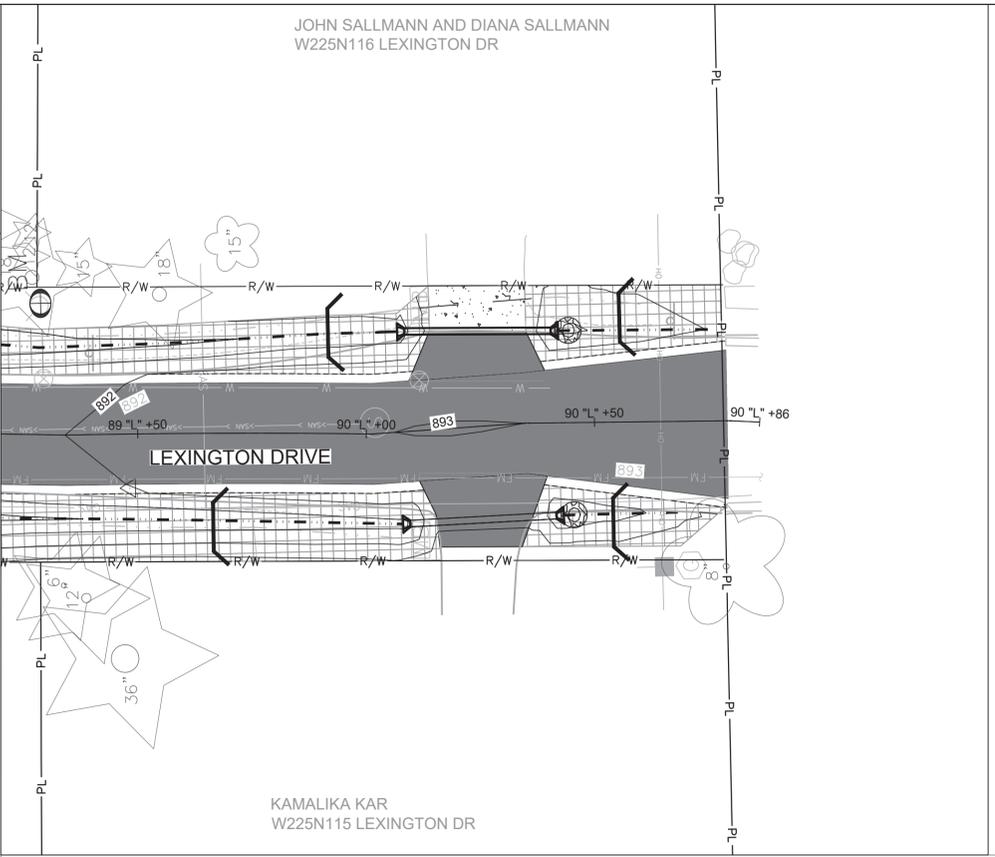
JEFFREY COX AND CHRISTINE FOX
 W225N181 LEXINGTON DR

MICHAEL S KUHN
 W225N145 LEXINGTON DR

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MATCH STA 89 "L" + 20
SEE SHEET 11

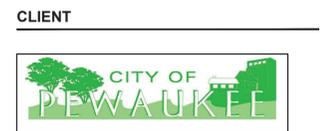


LEGEND

-  INSTALL CLASS I URBAN TYPE B EMAT
-  INSTALL EROSION CONTROL LOG
-  CULVERT PIPE CHECK (UPSTREAM END ONLY)
-  **A**
45
-  INSTALL CLASS III TYPE B EMAT



PROJECT
TAKOMA HILLS
STREET
RECONSTRUCTION
PHASE II



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KEY PLAN

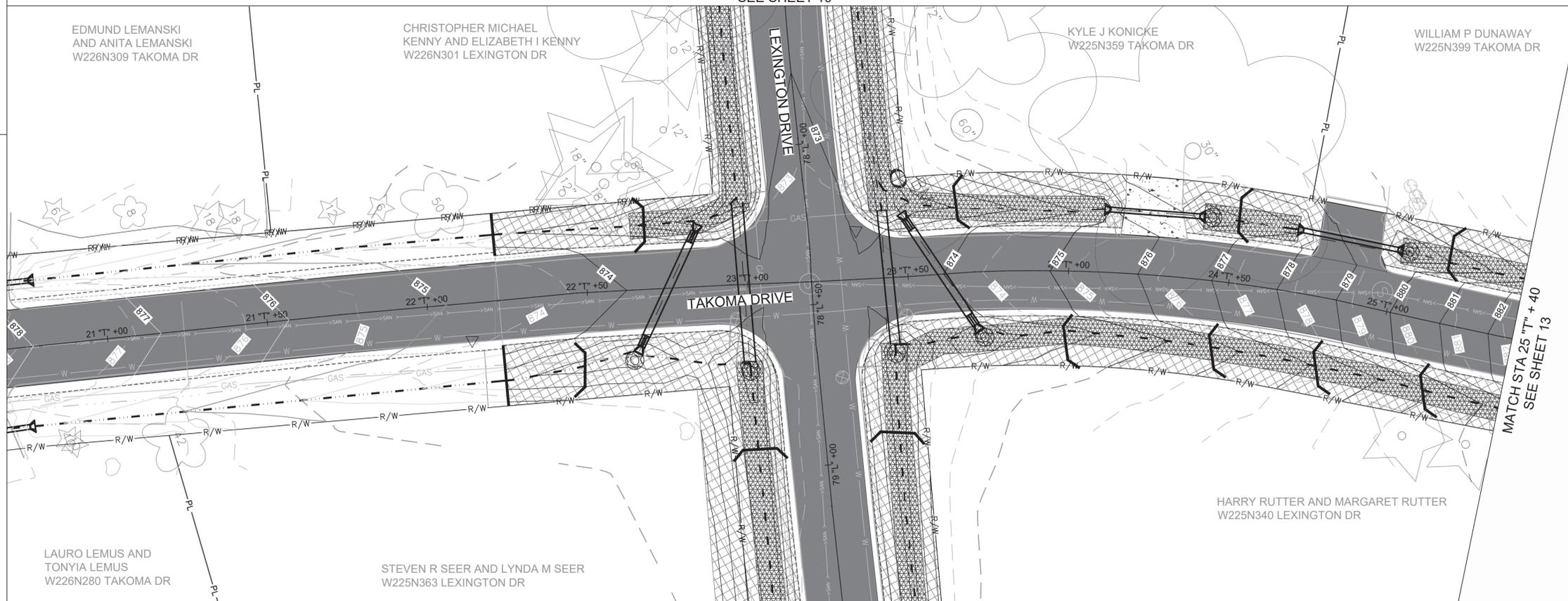
PROJECT NUMBER
60339891

SHEET TITLE
LEXINGTON DR EC 3

SHEET NUMBER
12

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MATCH STA 77 "L" + 57
SEE SHEET 10

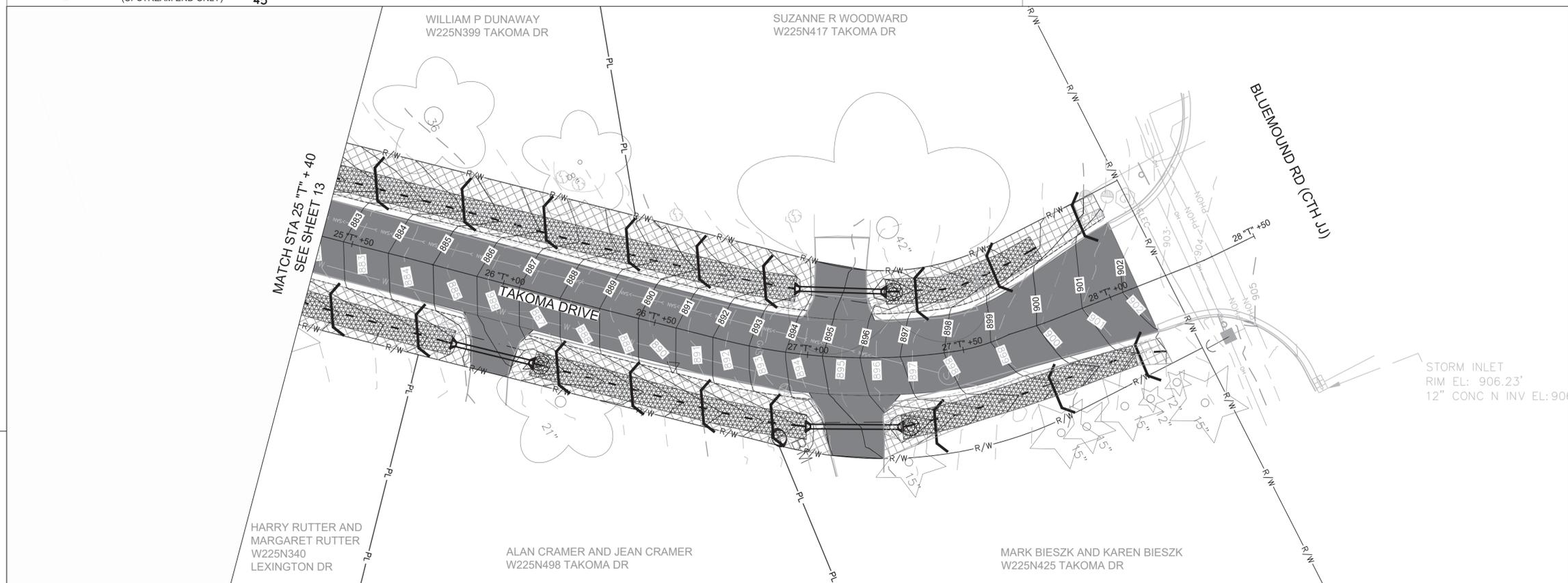


MATCH STA 79 "L" + 43
SEE SHEET 11

LEGEND

- INSTALL CLASS I URBAN TYPE B EMAT
- INSTALL EROSION CONTROL LOG
- CULVERT PIPE CHECK (UPSTREAM END ONLY)
- INSTALL CLASS III TYPE B EMAT

A
45



PROJECT
TAKOMA HILLS
STREET
RECONSTRUCTION
PHASE II

CLIENT



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KEY PLAN

PROJECT NUMBER

60339891

SHEET TITLE

TAKOMA DR EC

SHEET NUMBER

13



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 PEWAUKEE, WI 53072
 TELE: 262-691-0770

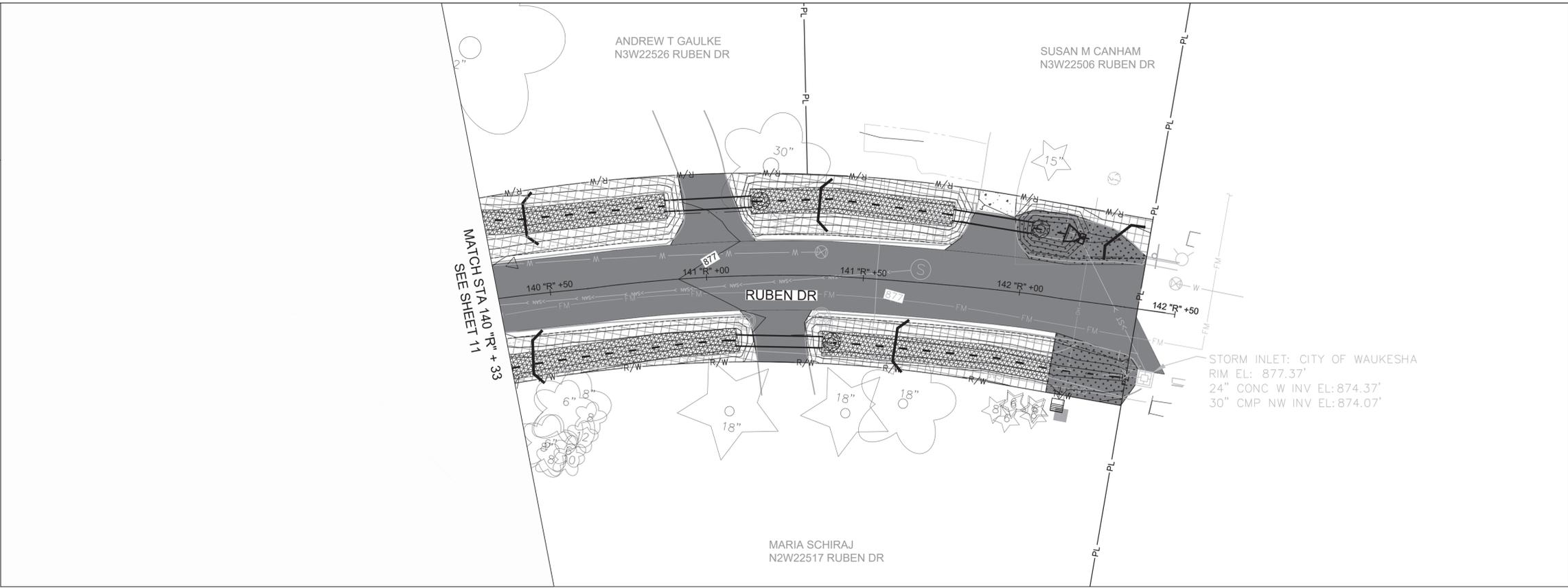
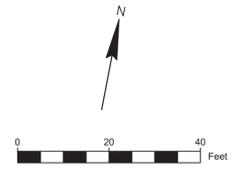
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I/R	DATE	DESCRIPTION
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PROJECT NUMBER
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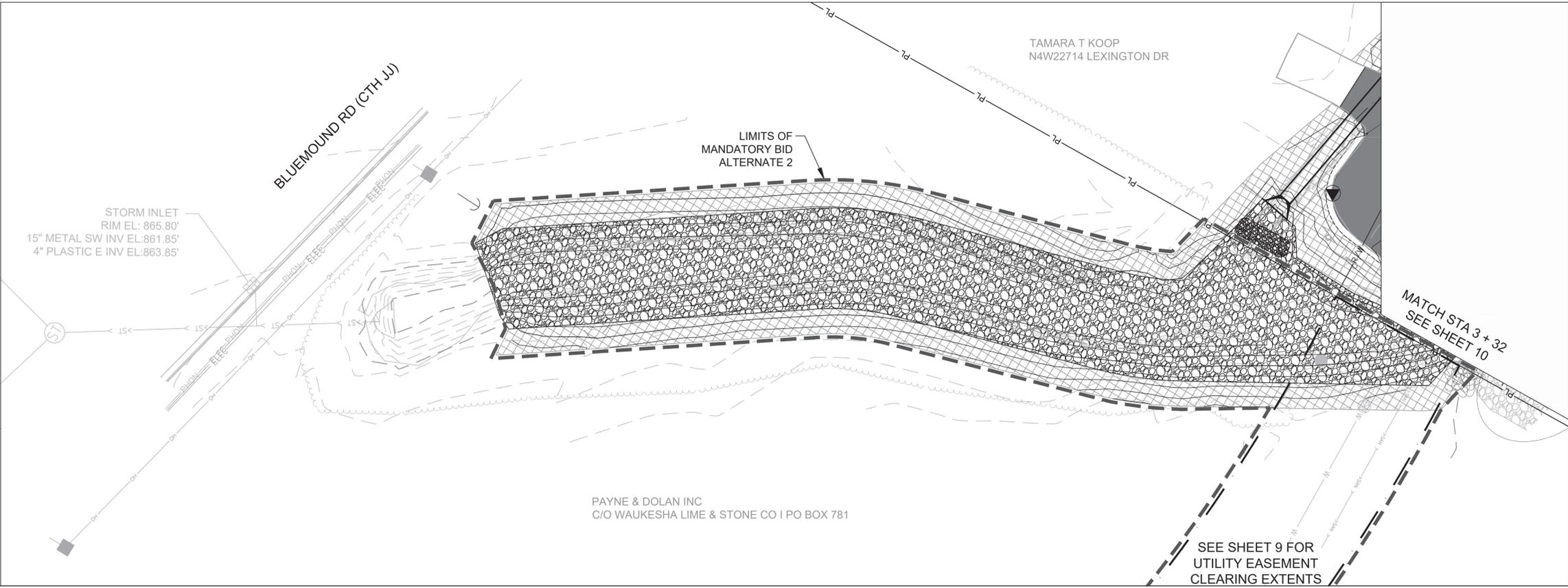
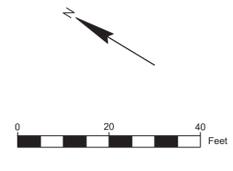
SHEET TITLE
 RUBEN DR AND DRAINAGE WAY EC

SHEET NUMBER
 14



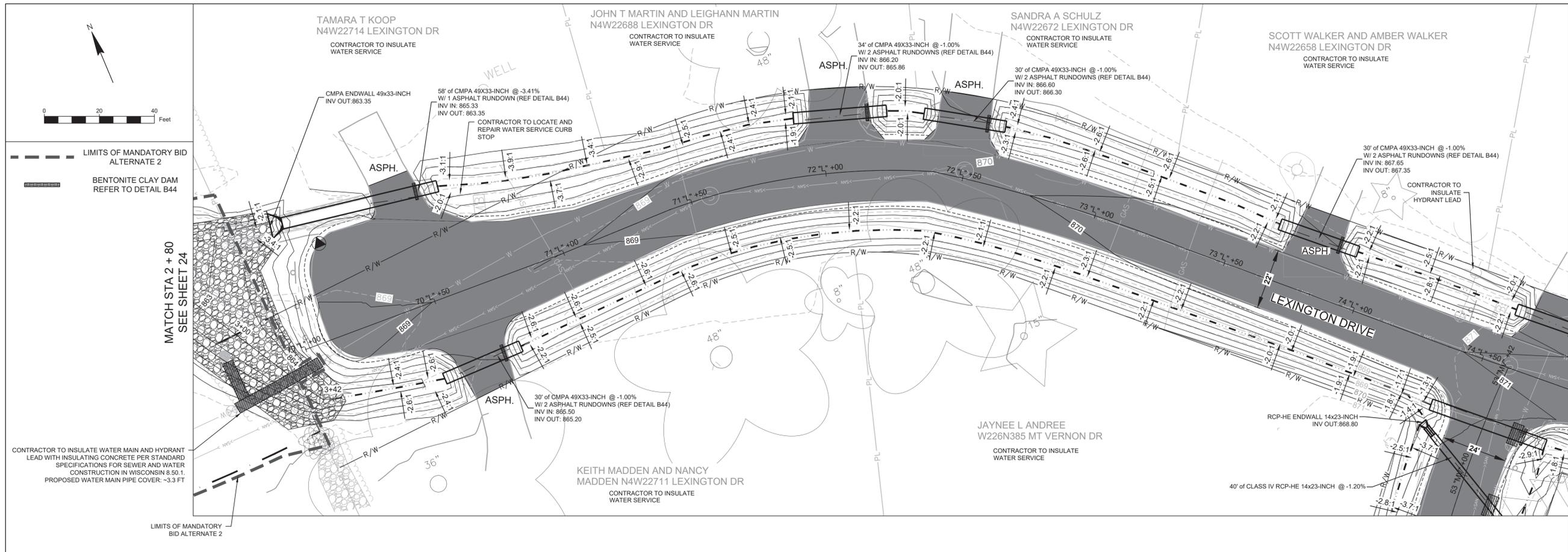
LEGEND

- INSTALL CLASS I URBAN TYPE B EMAT
- INSTALL EROSION CONTROL LOG
- HEAVY RIP-RAP
- ASPHALT FLUME LIMITS
- LIMITS OF MANDATORY BID ALTERNATE 2
- CULVERT PIPE CHECK (UPSTREAM END ONLY)
- INSTALL CLASS III TYPE B EMAT
- STONE WEEPER

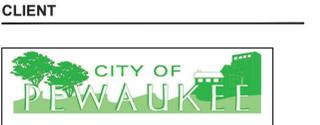


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PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II



CLIENT
 W240 N3065 PEWAUKEE ROAD
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 TELE: 262-691-0770

CONSULTANT
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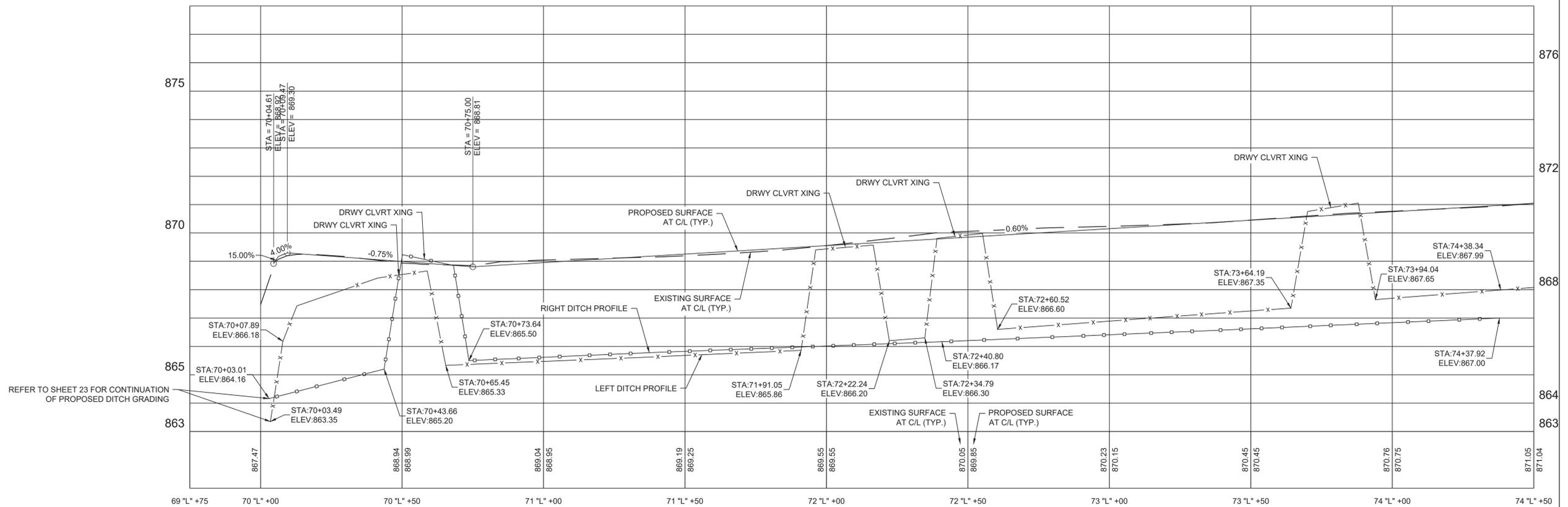
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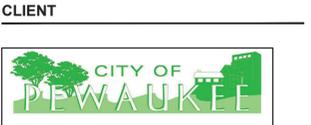
KEY PLAN

PROJECT NUMBER
 60339891

SHEET TITLE
 LEXINGTON DR P&P 1

SHEET NUMBER
 15





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 PEWAUKEE, WI 53072
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 MILWAUKEE, WI 53212
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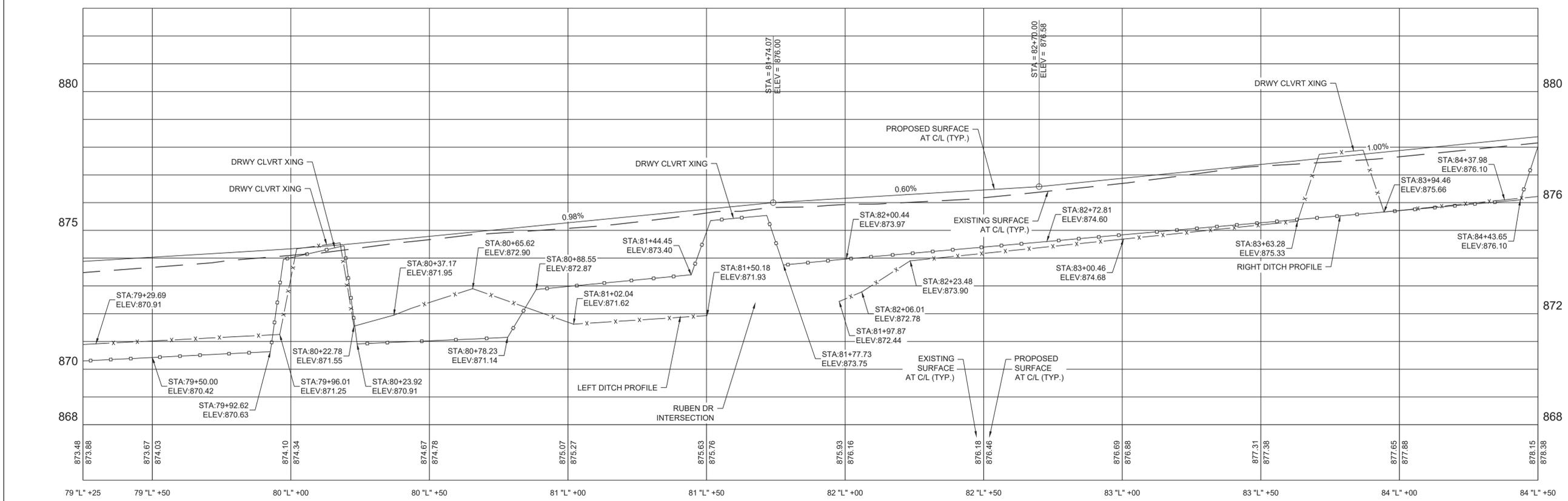
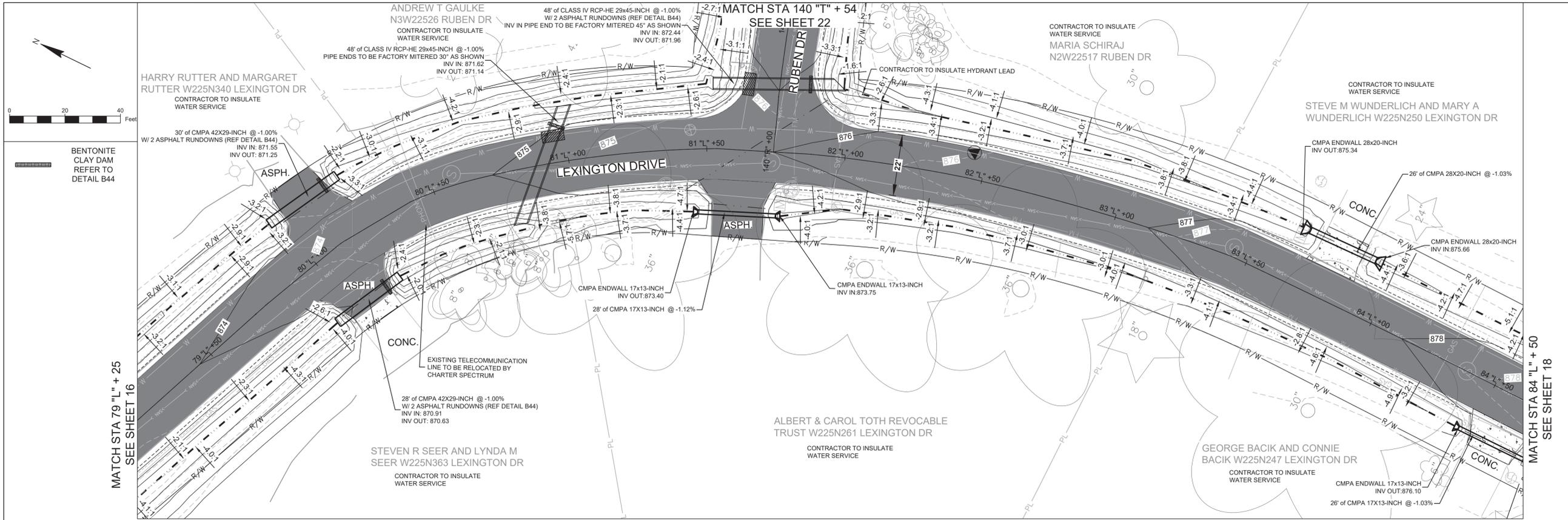
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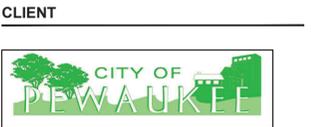
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SHEET TITLE
 LEXINGTON DR P&P 3

SHEET NUMBER
 17



PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II



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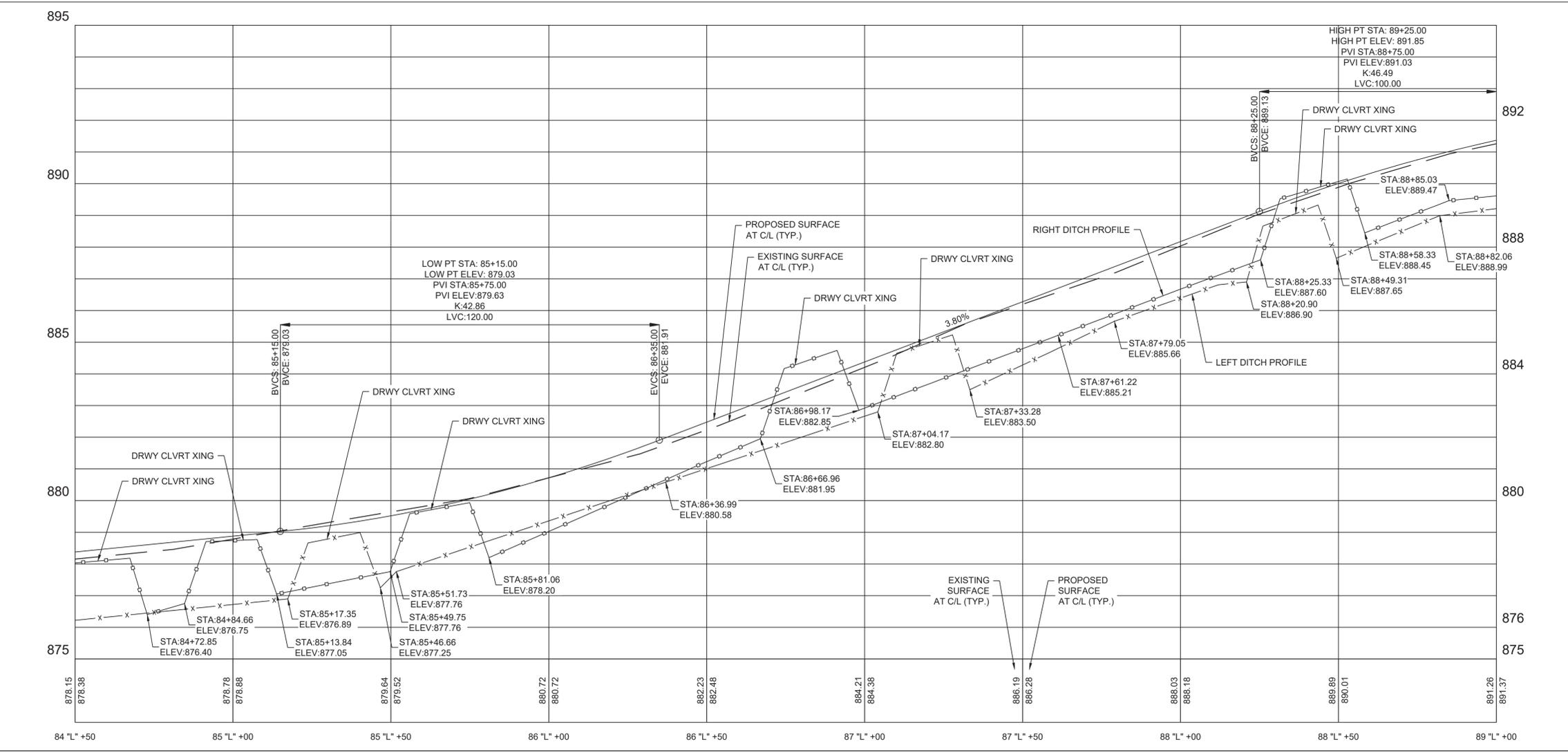
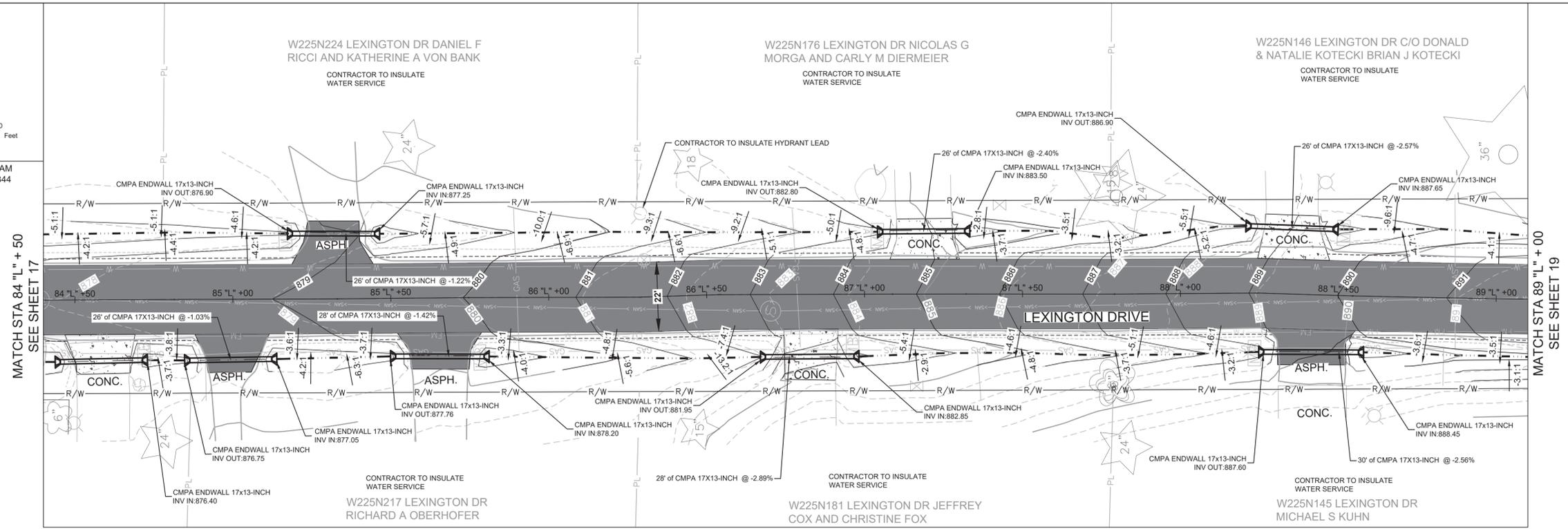
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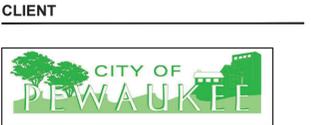
KEY PLAN

PROJECT NUMBER
 60339891

SHEET TITLE
 LEXINGTON DR P&P 4

SHEET NUMBER
 18





W240 N3065 PEWAUKEE ROAD
 PEWAUKEE, WI 53072
 TELE: 262-691-0770

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 SUITE 214
 MILWAUKEE, WI 53212
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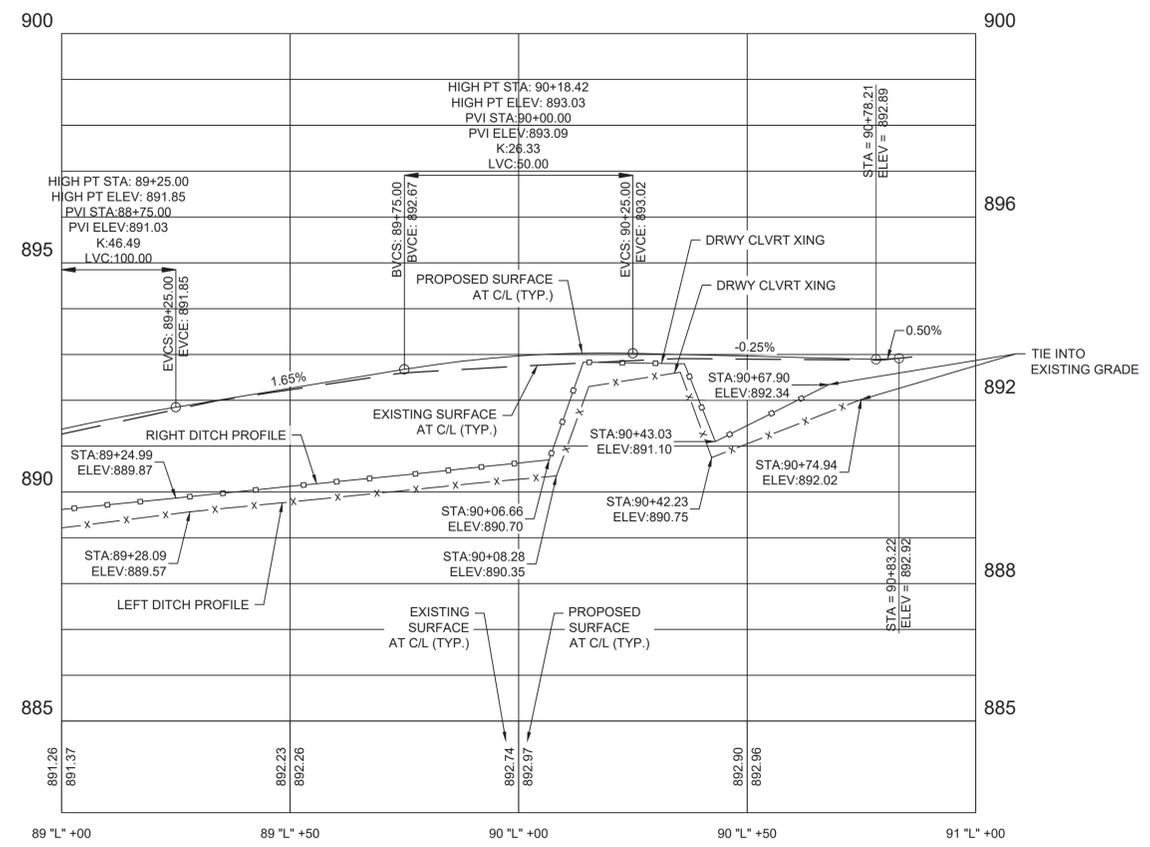
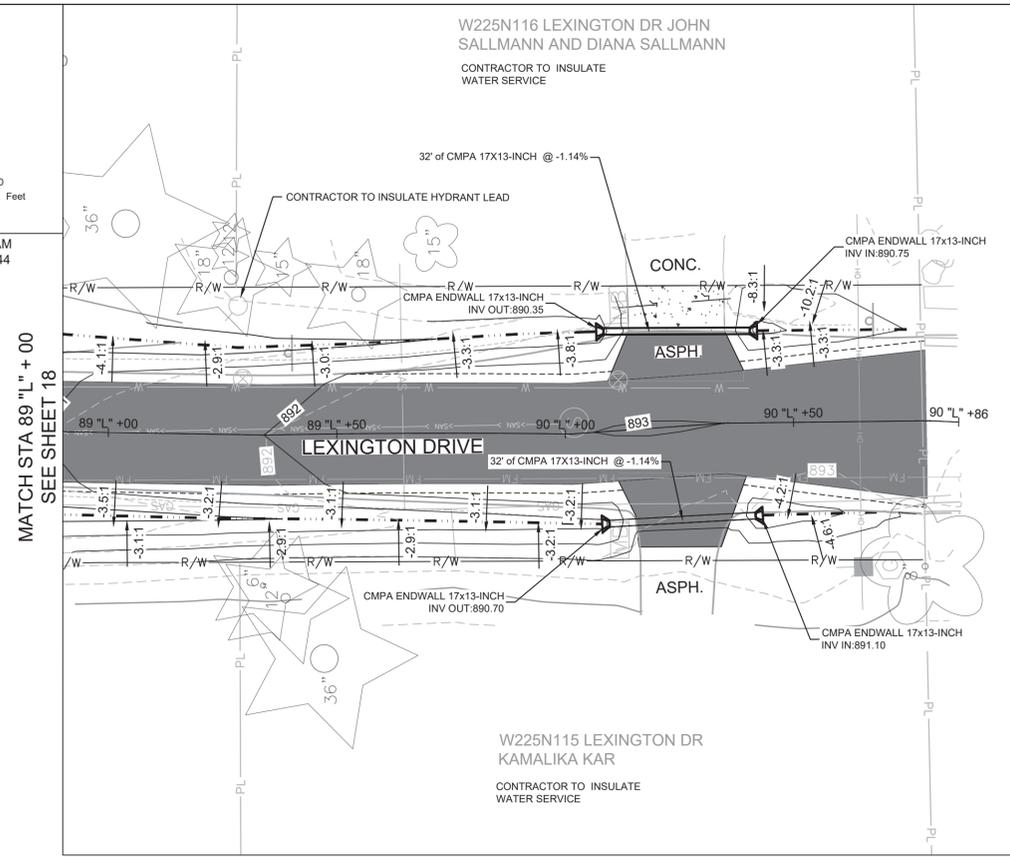
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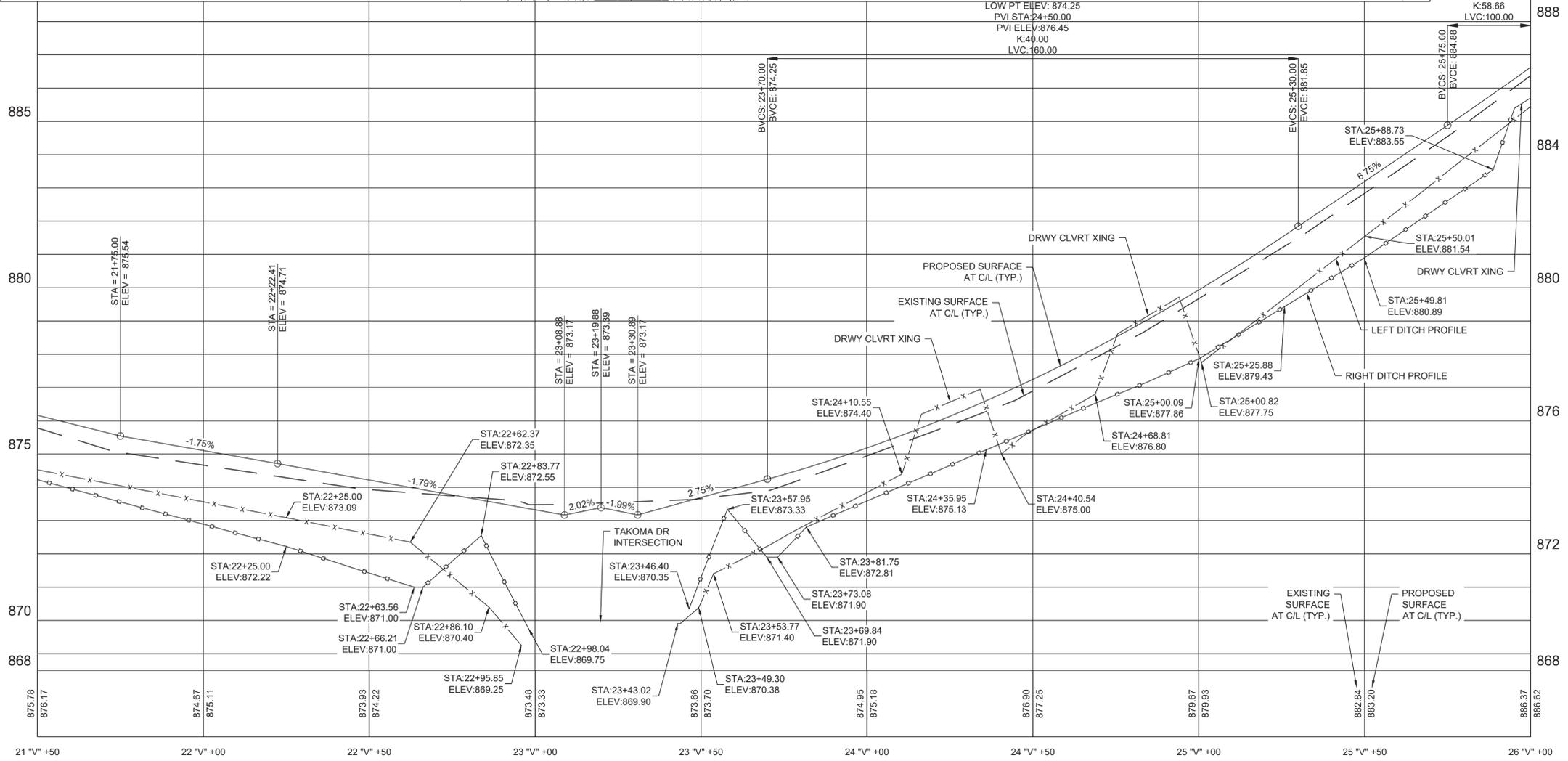
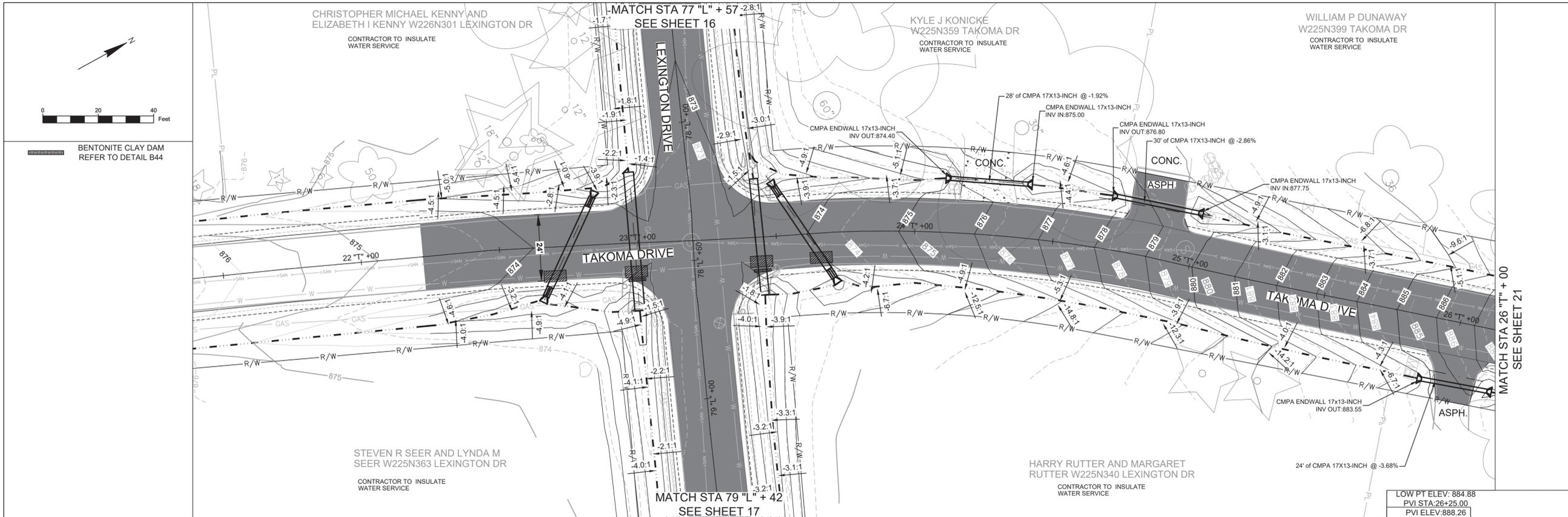
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 LEXINGTON DR P&P 5

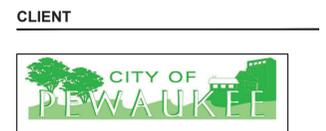
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PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II



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TELE: 262-691-0770

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60339891

SHEET TITLE
TAKOMA DR P&P 1

SHEET NUMBER
20

PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II

CLIENT



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I/R	DATE	DESCRIPTION
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KEY PLAN

PROJECT NUMBER

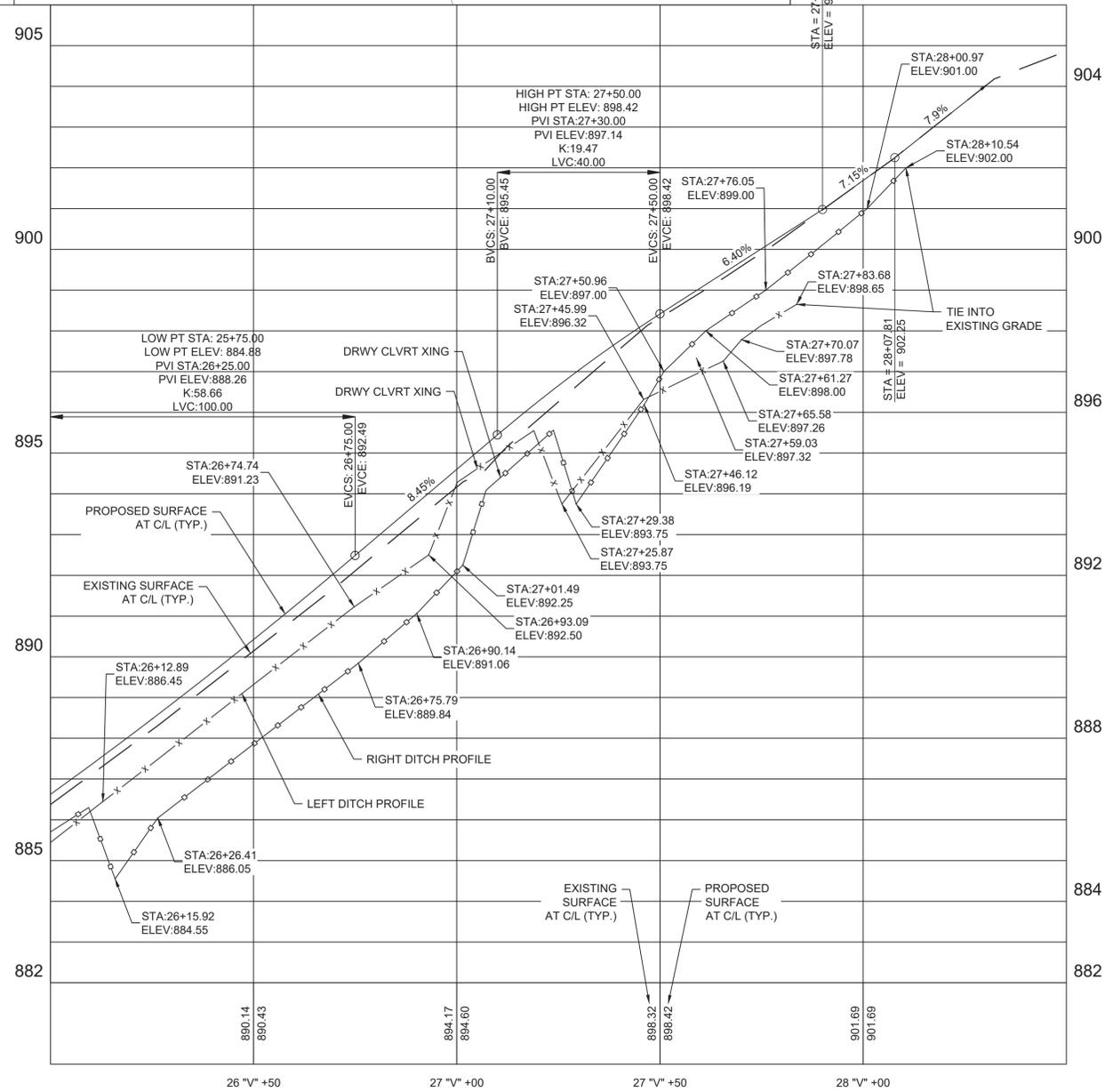
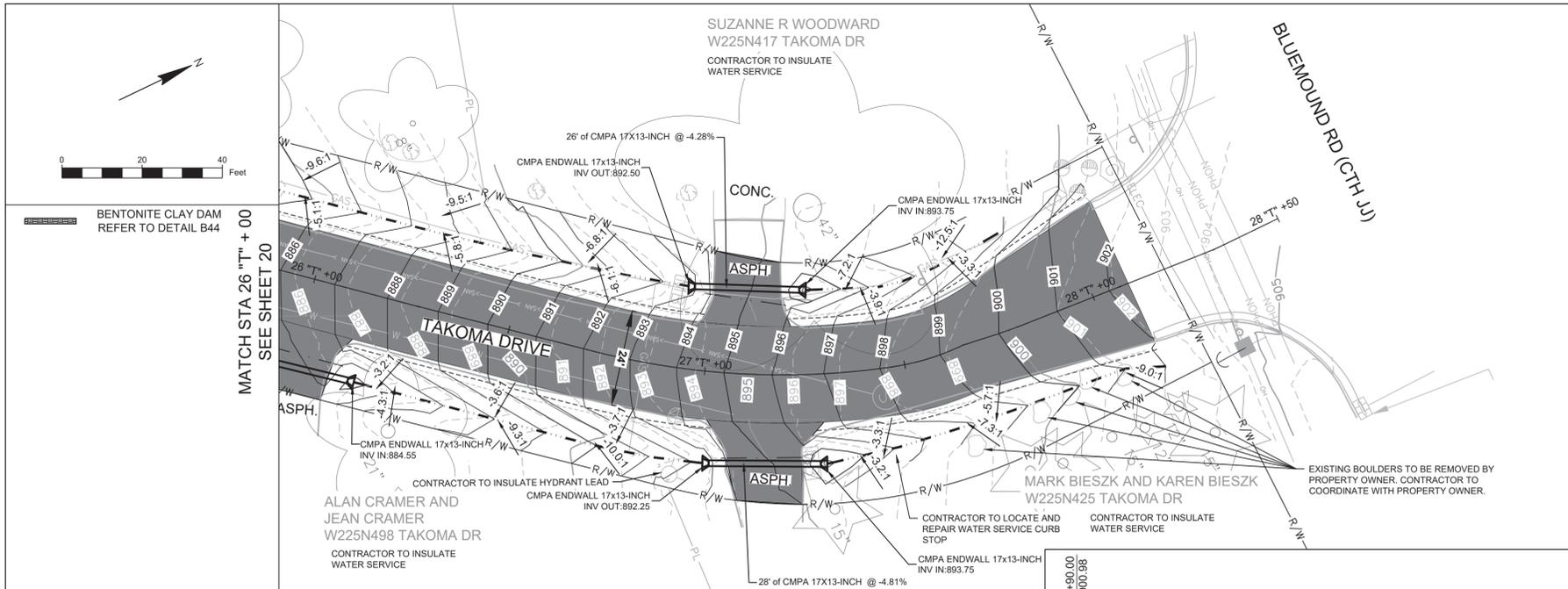
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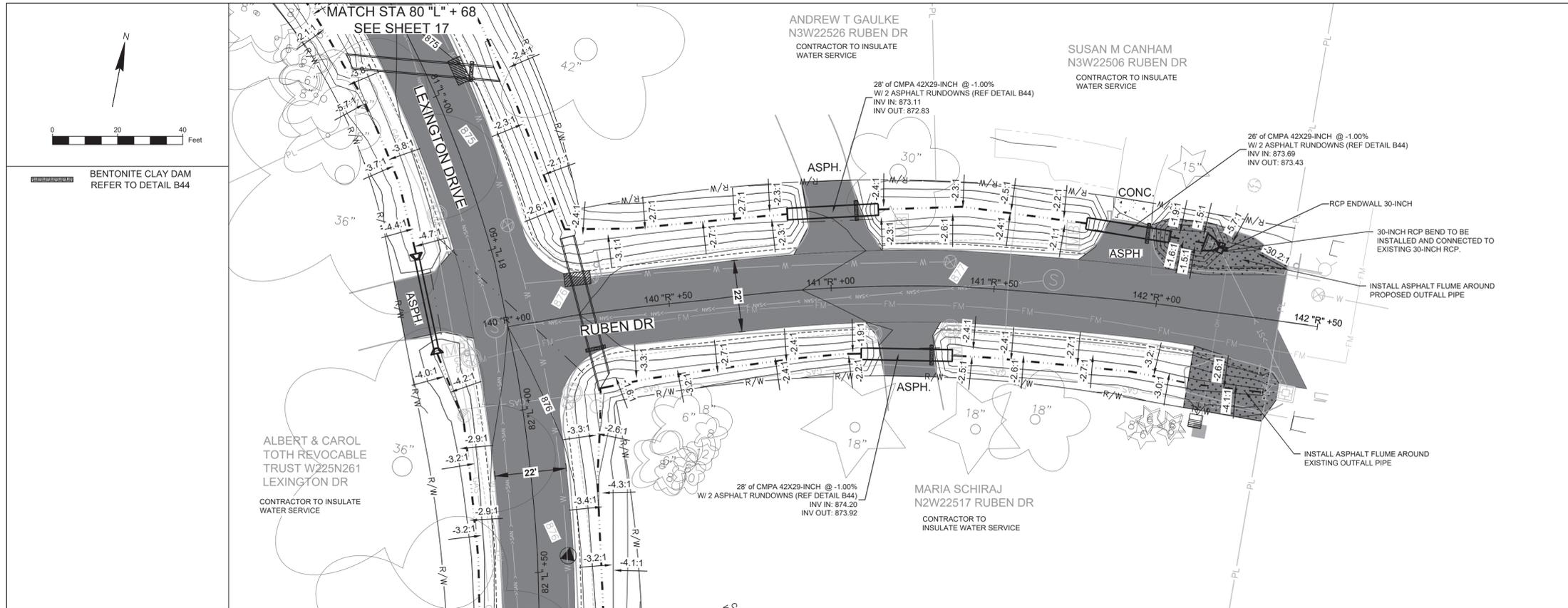
TAKOMA DR P&P 2

SHEET NUMBER

21



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ASPHALT FLUME LIMITS



PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II

CLIENT

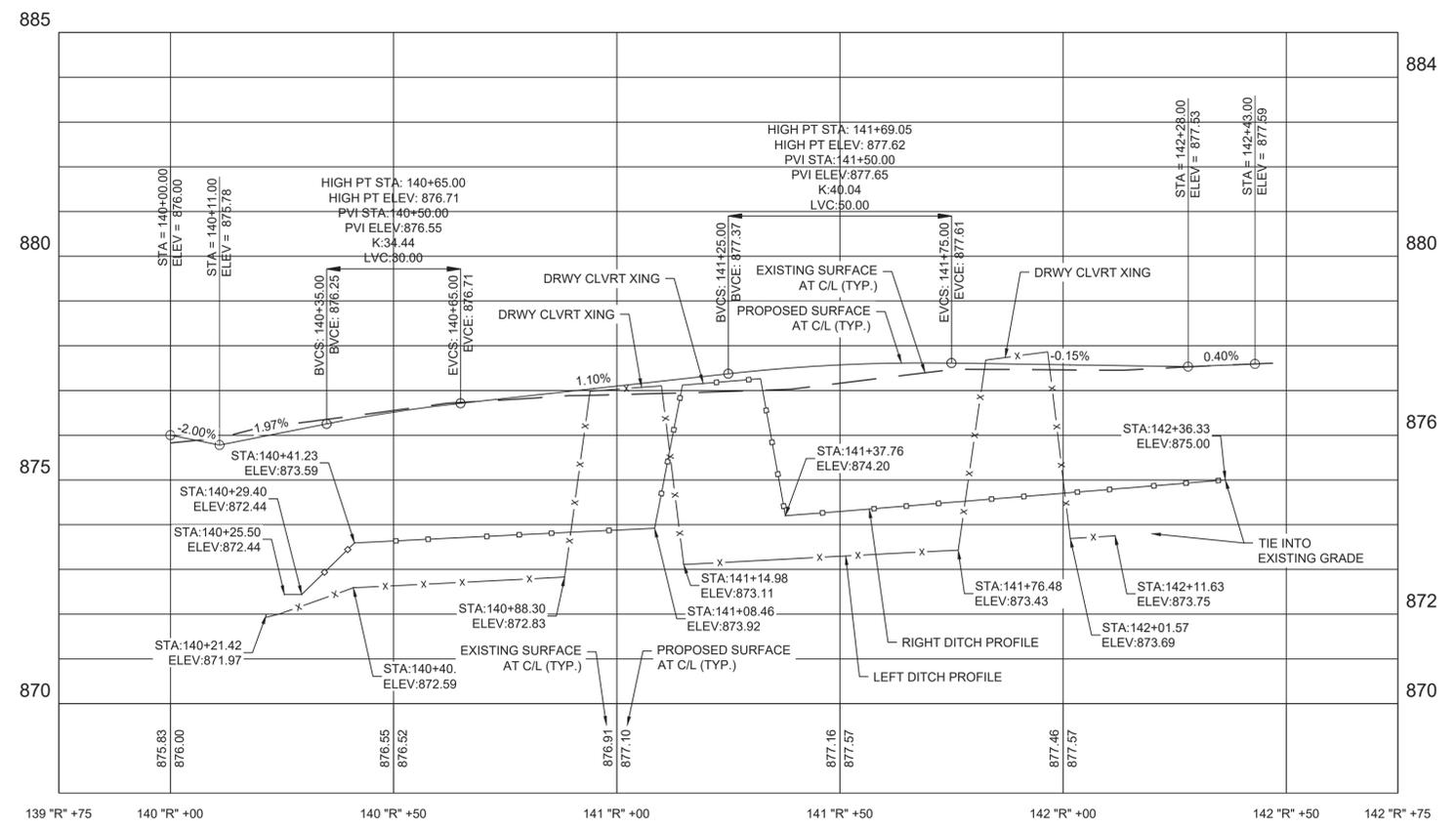


W240 N3065 PEWAUKEE ROAD
PEWAUKEE, WI 53072
TELE: 262-691-0770

CONSULTANT

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1555 NORTH RIVERCENTER DRIVE
SUITE 214
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414.944.6080 tel 414.944.6081 fax
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MATCH STA 82 "L" + 61
SEE SHEET 17



REGISTRATION

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1	9/11/25	BIDSET

KEY PLAN

PROJECT NUMBER

60339891

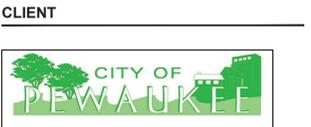
SHEET TITLE

RUBEN DR P&P

SHEET NUMBER

22

PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II



W240 N3065 PEWAUKEE ROAD
 PEWAUKEE, WI 53072
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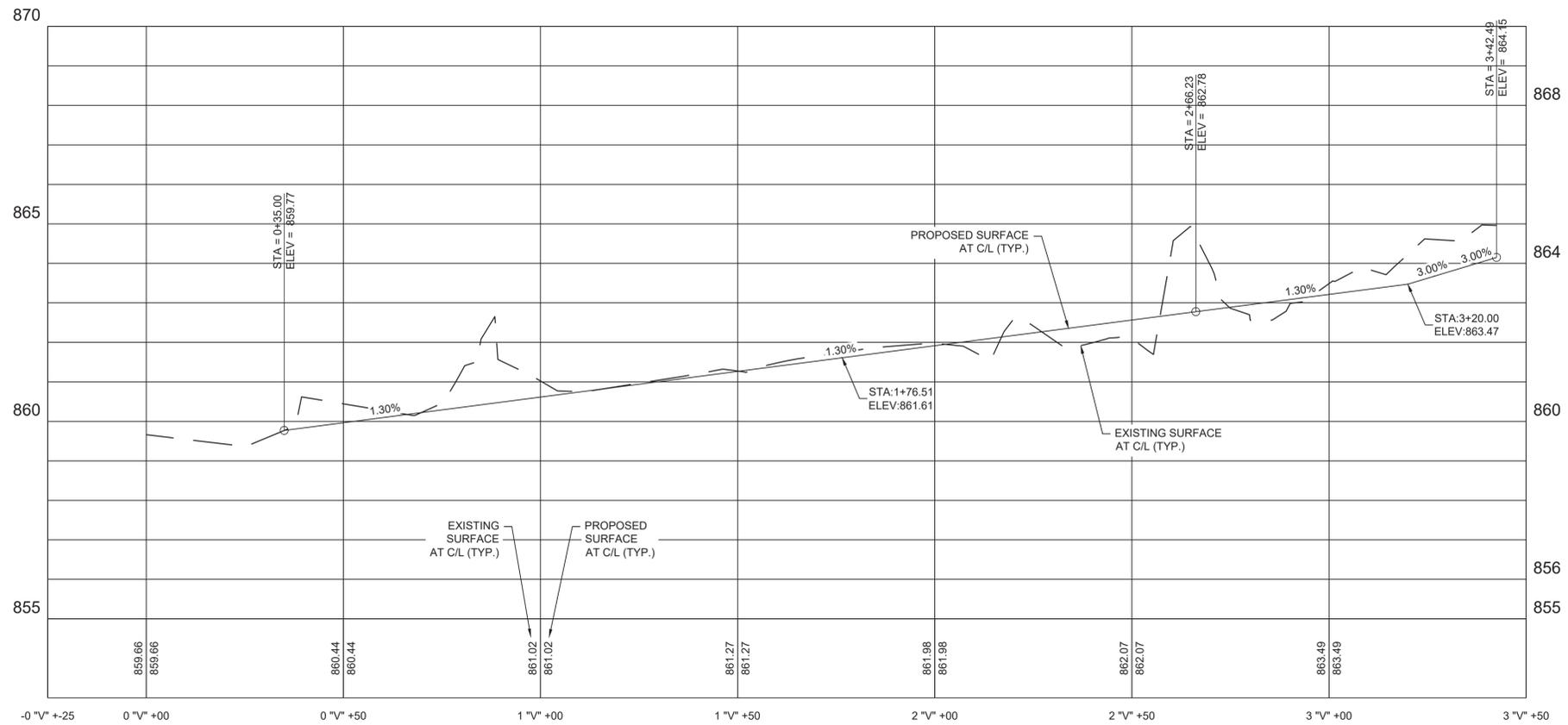
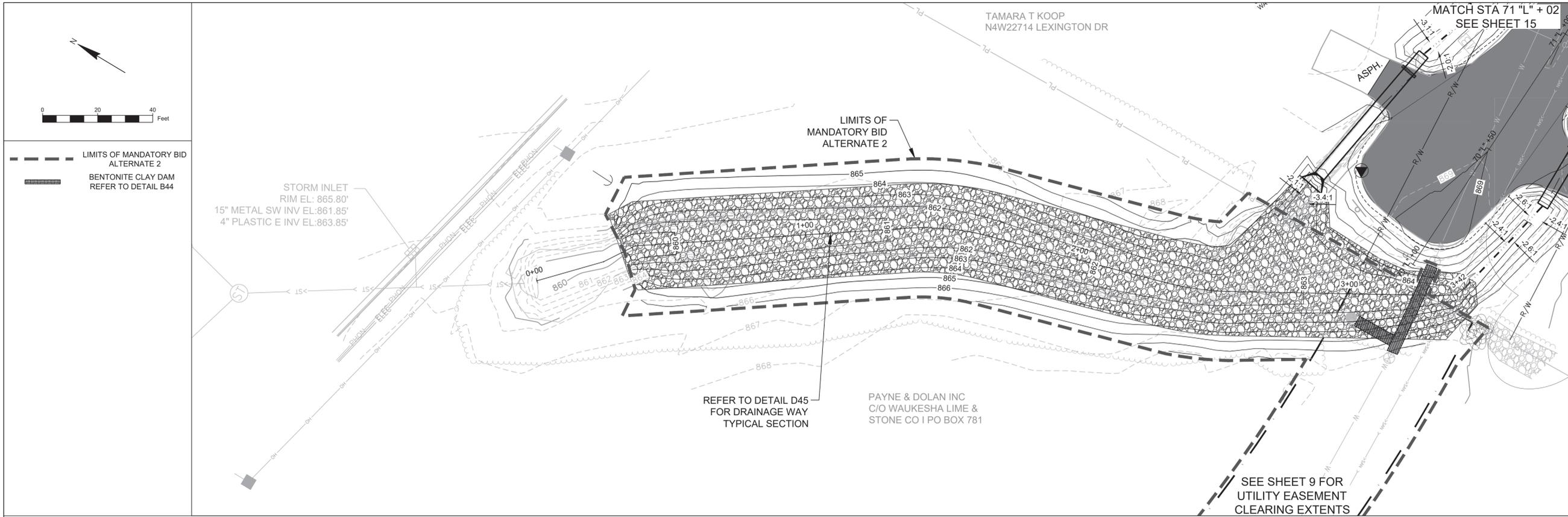
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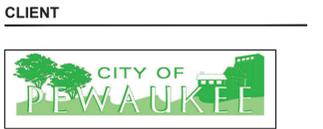
PROJECT NUMBER
 60339891

SHEET TITLE
 DRAINAGE WAY P&P

SHEET NUMBER
 24



PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II



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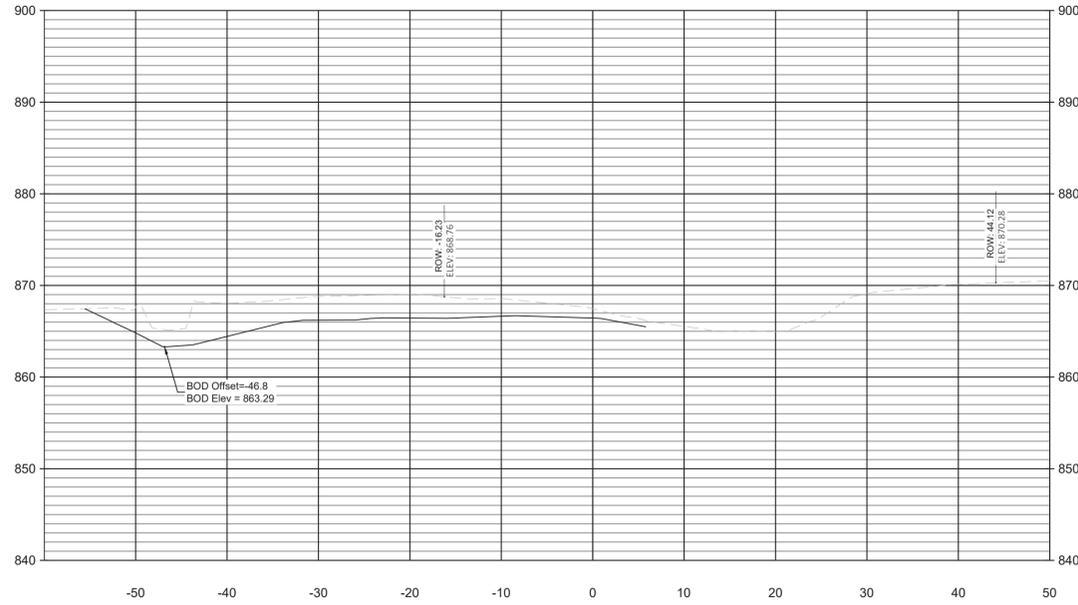
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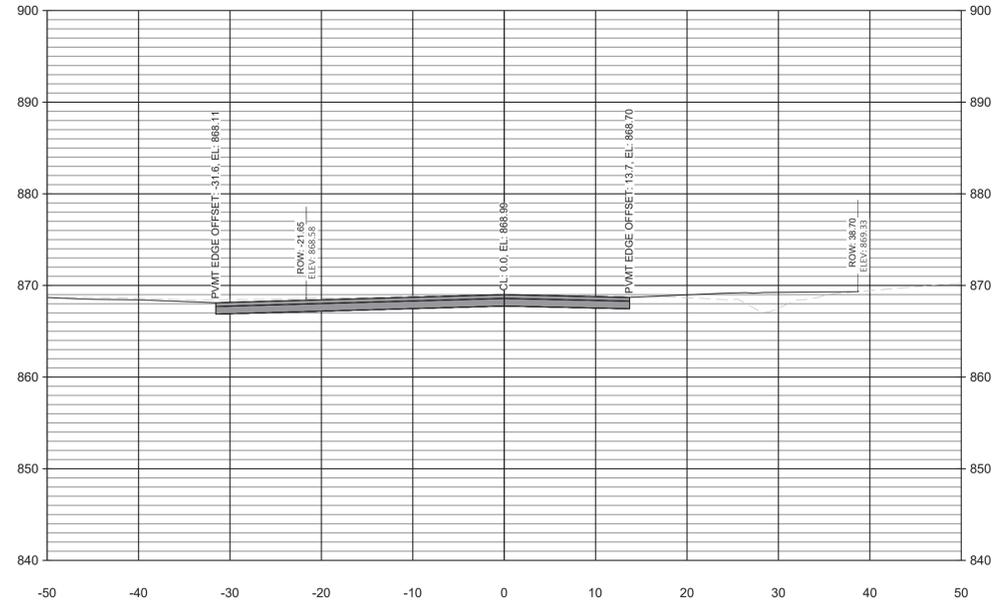
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 LEXINGTON DR CROSS SECTIONS
 1

SHEET NUMBER
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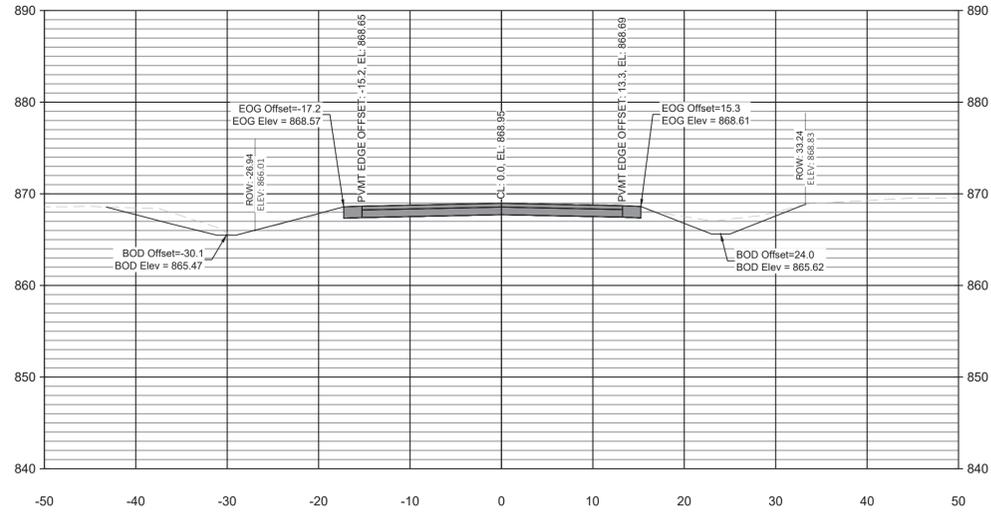
70 "L" +00



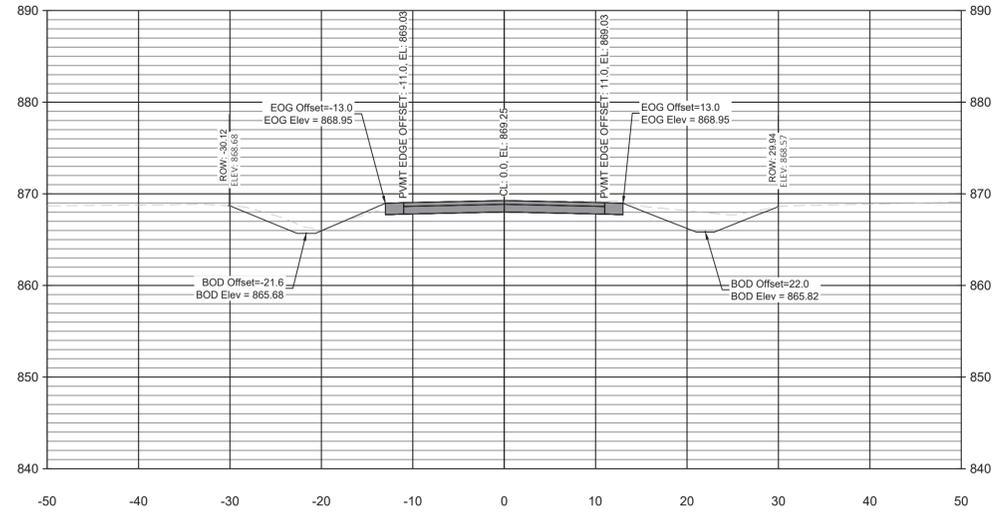
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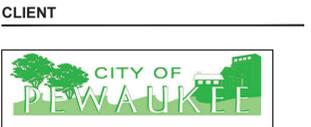


71 "L" +00



71 "L" +50





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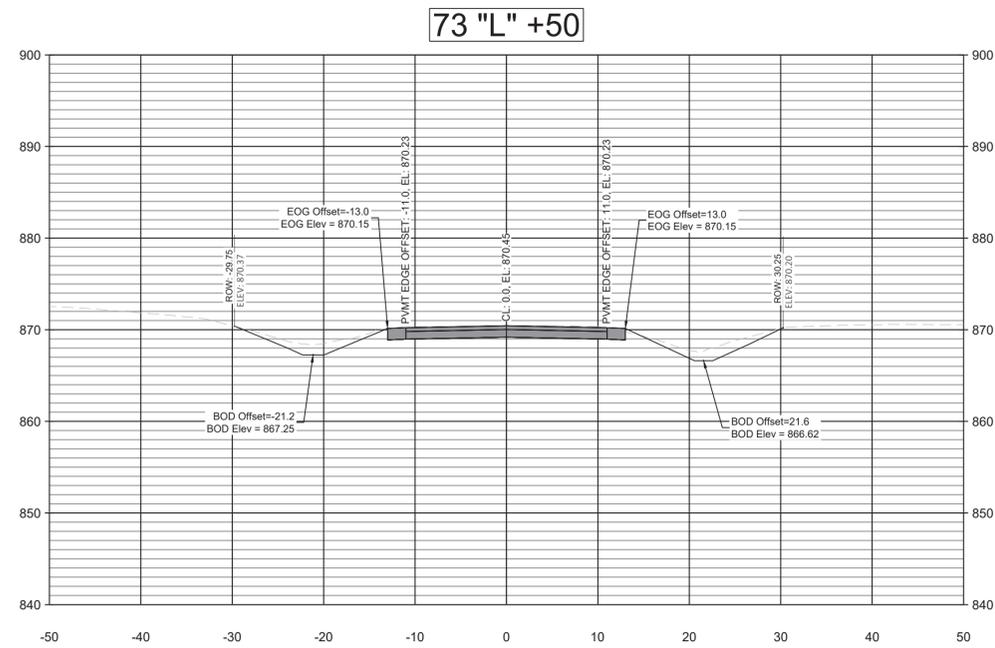
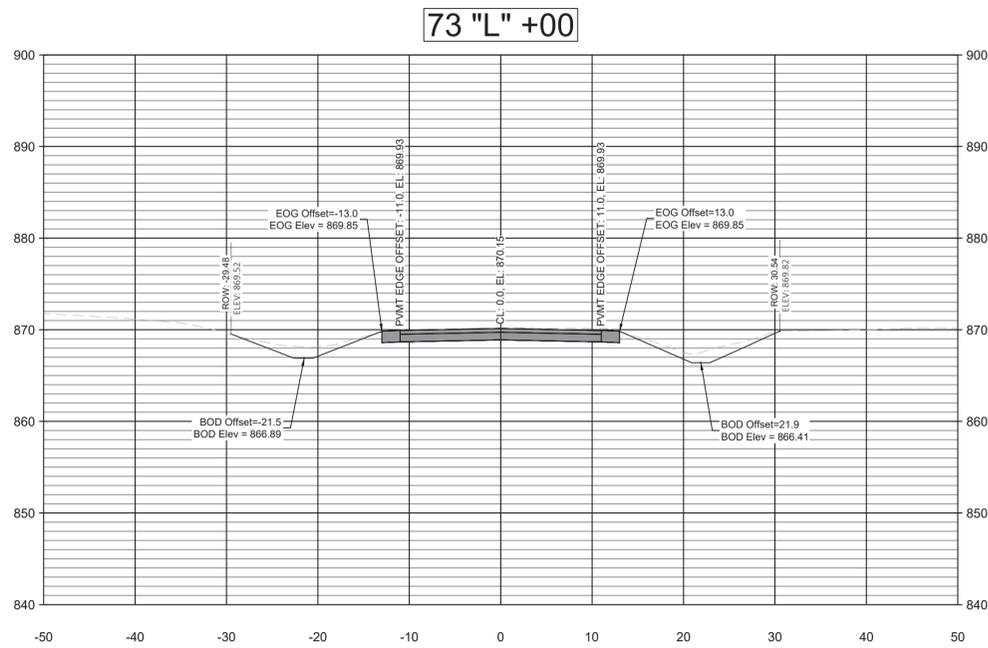
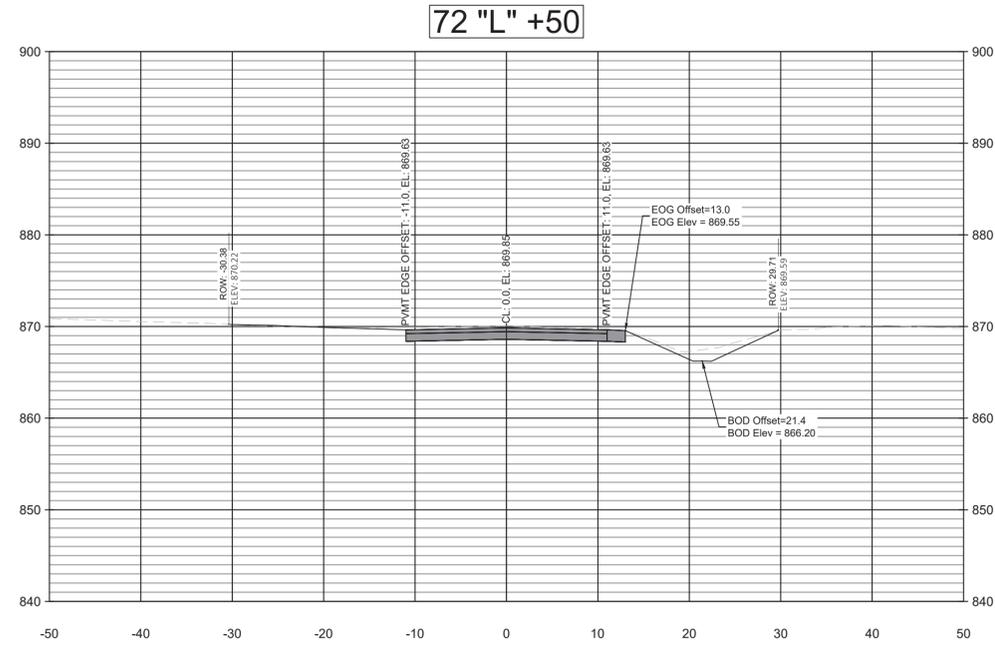
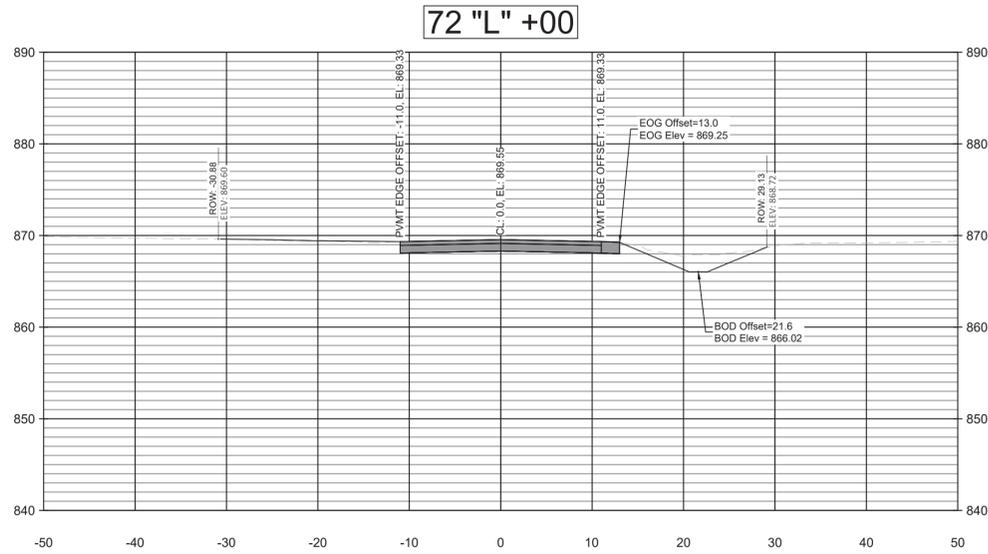
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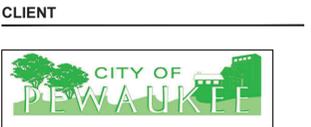
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SHEET TITLE
 LEXINGTON DR CROSS SECTIONS
 2

SHEET NUMBER
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PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II



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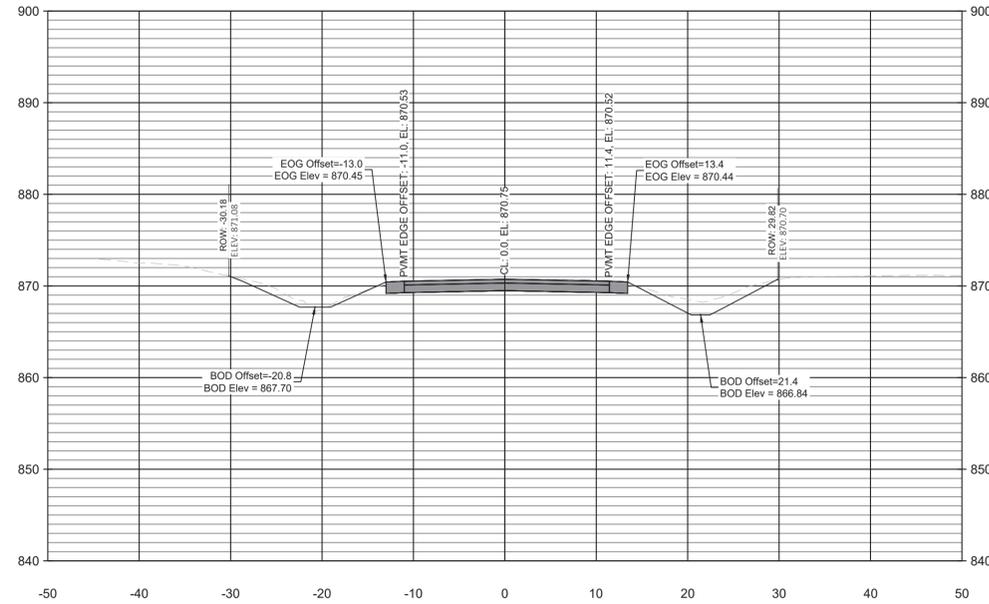
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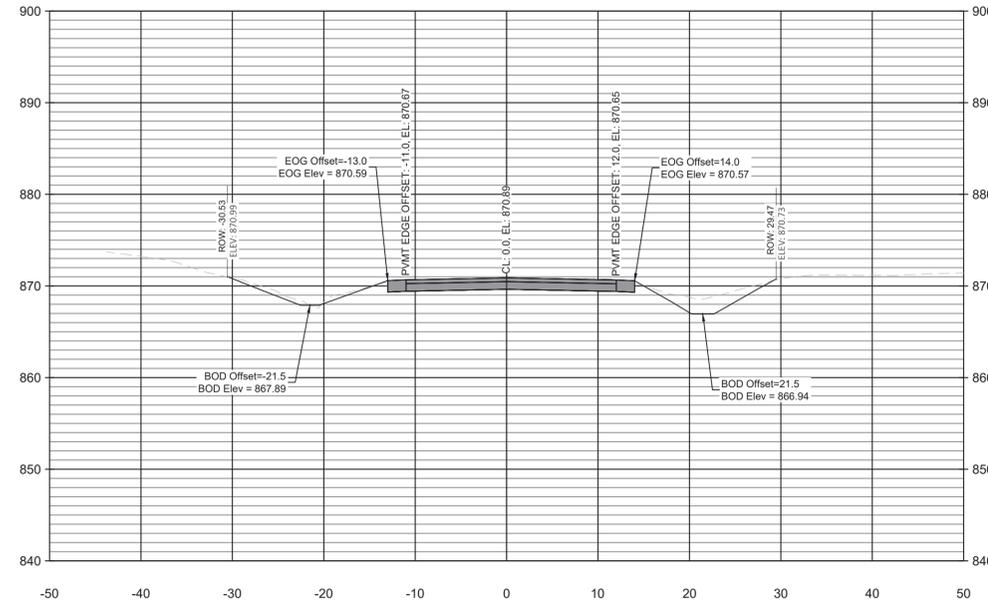
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SHEET NUMBER
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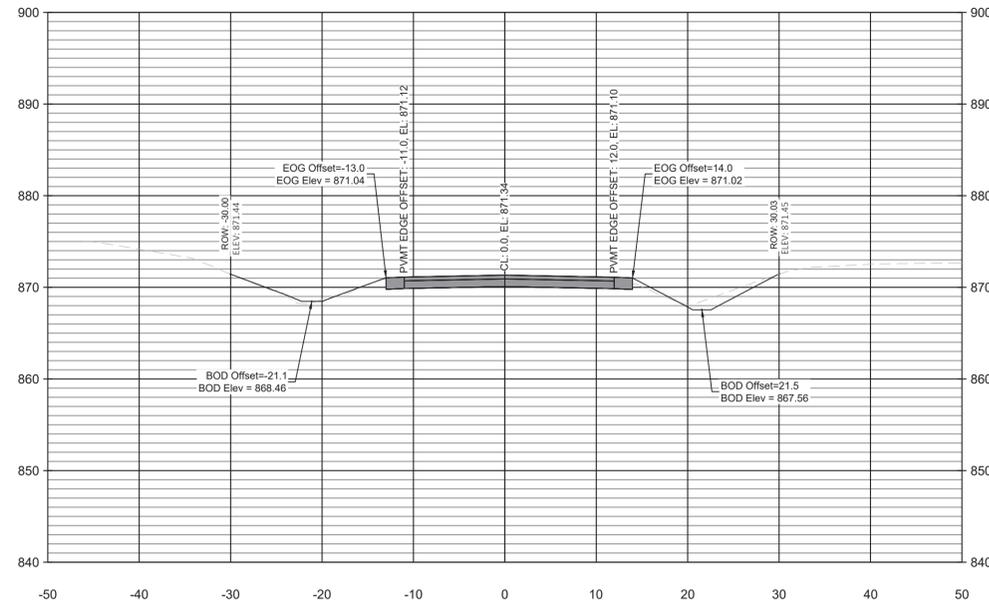
74 "L" +00



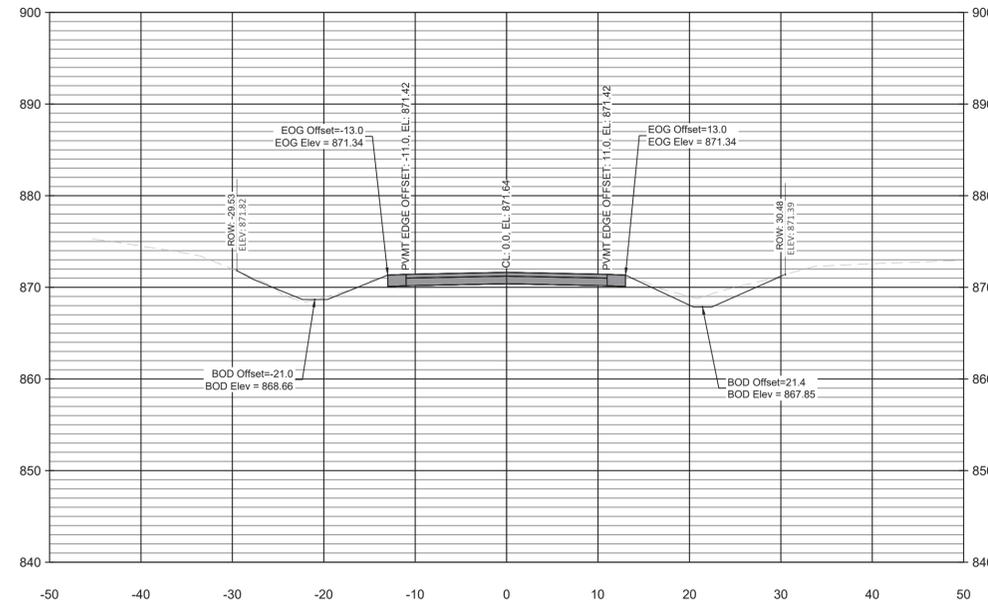
74 "L" +25

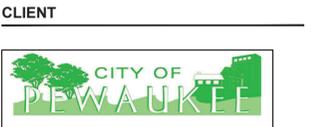


75 "L" +00



75 "L" +50





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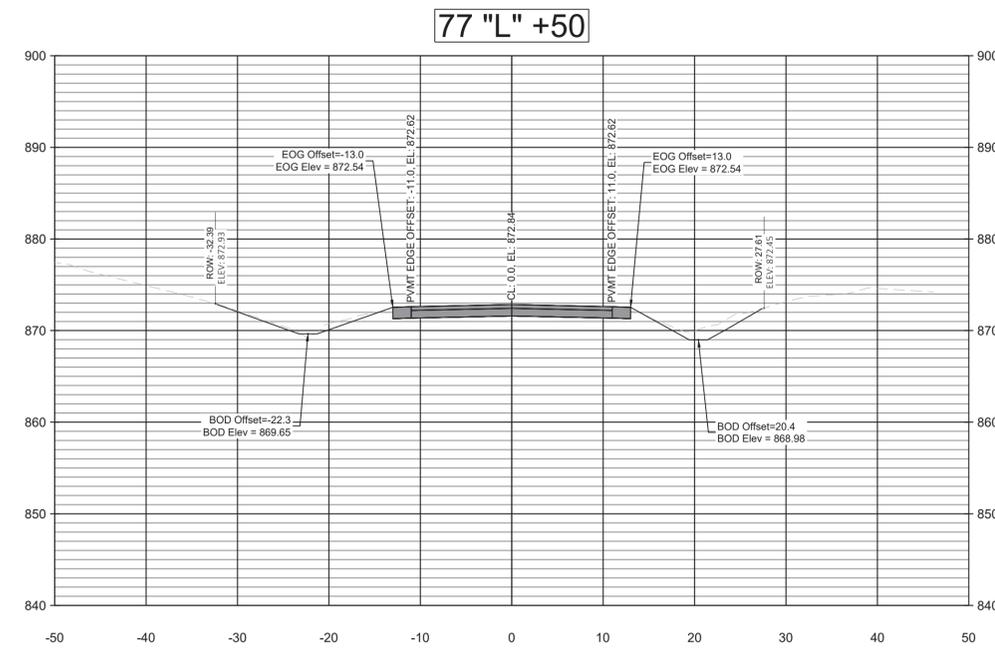
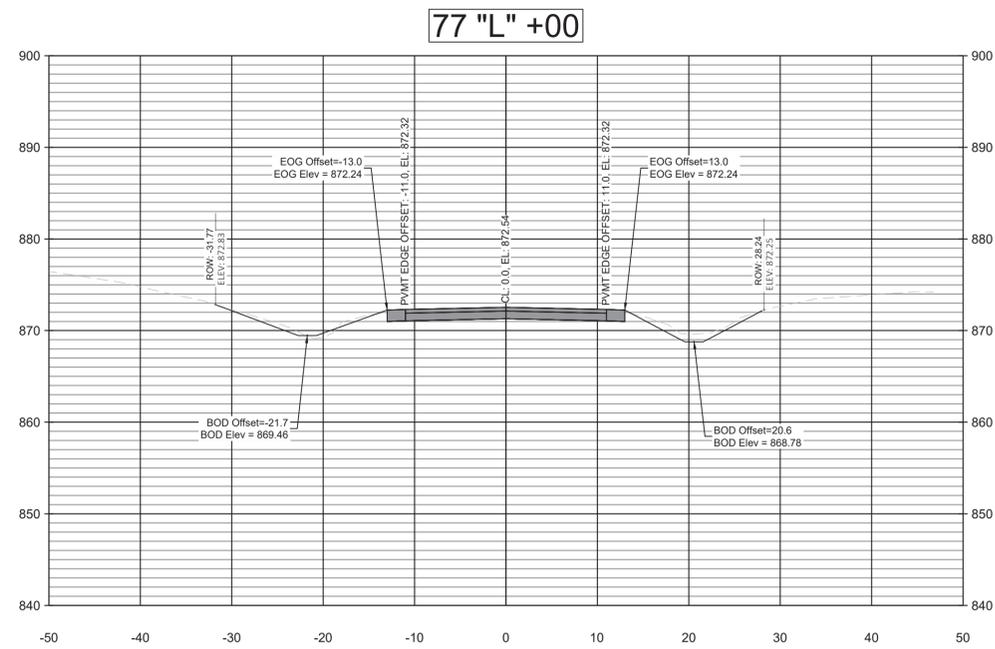
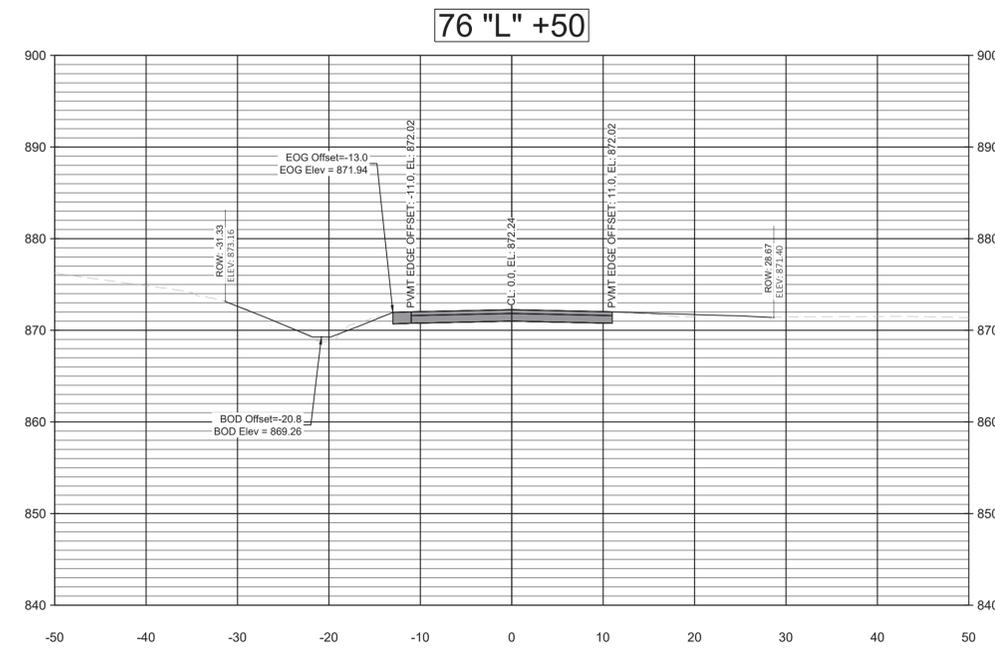
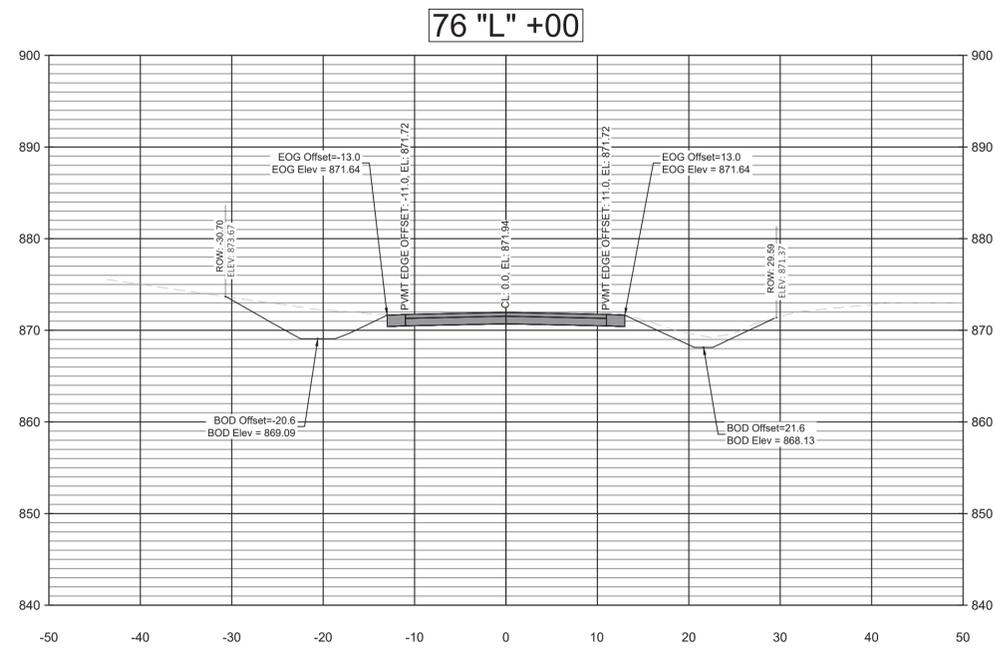
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SHEET TITLE
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SHEET NUMBER
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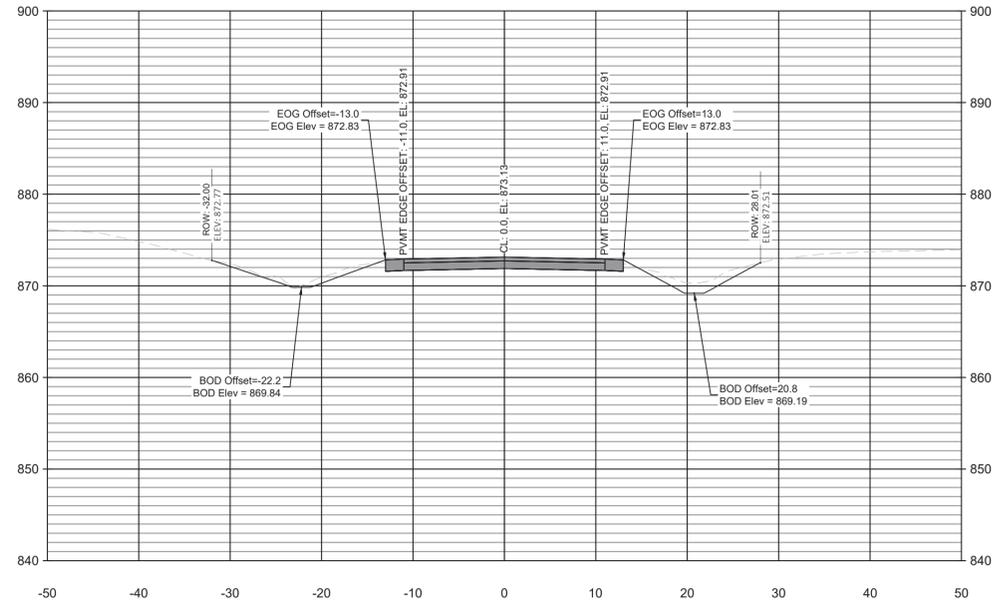
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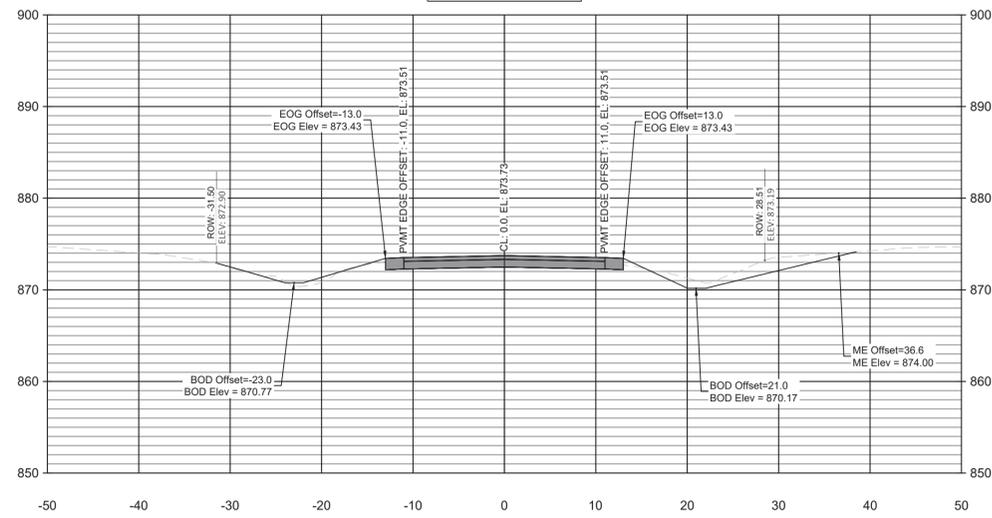
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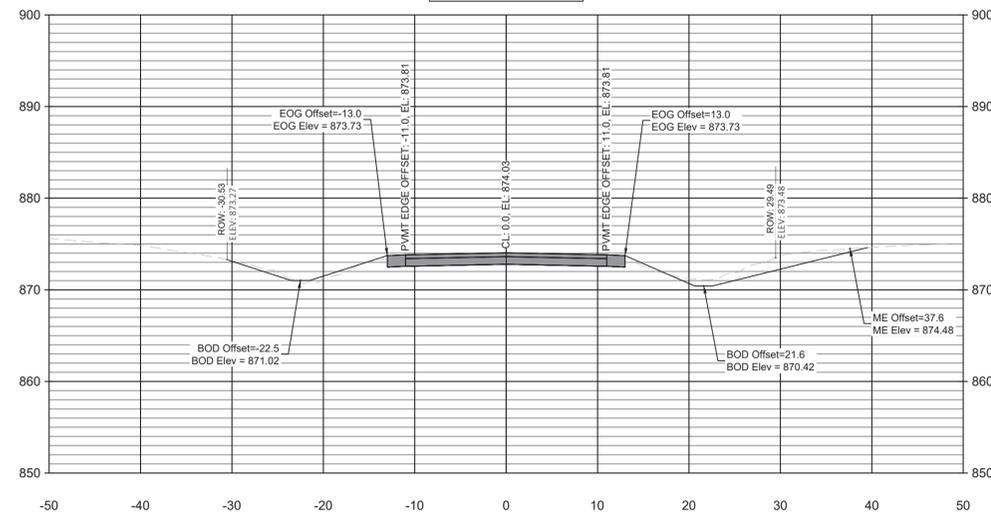
78 "L" +00

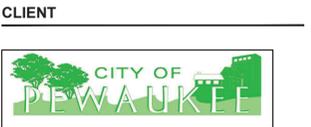


79 "L" +00



79 "L" +50





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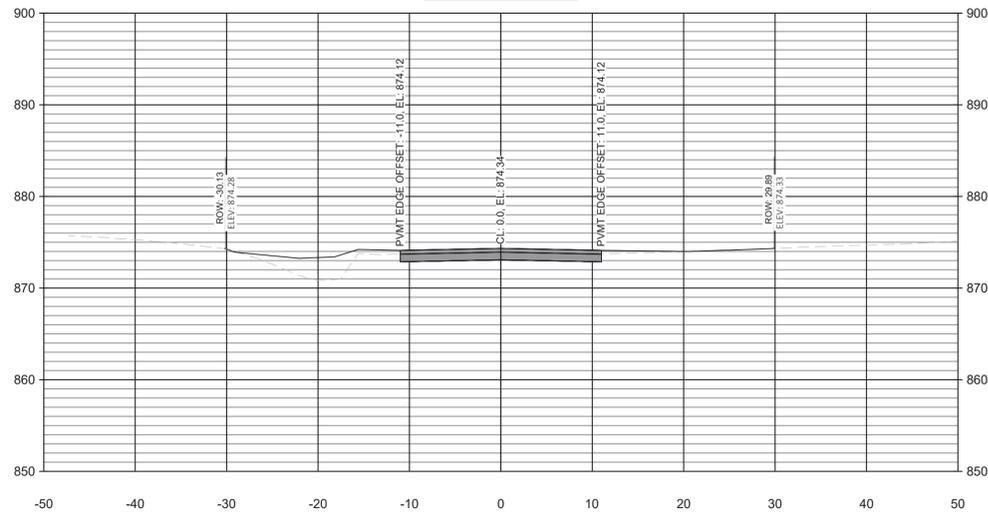
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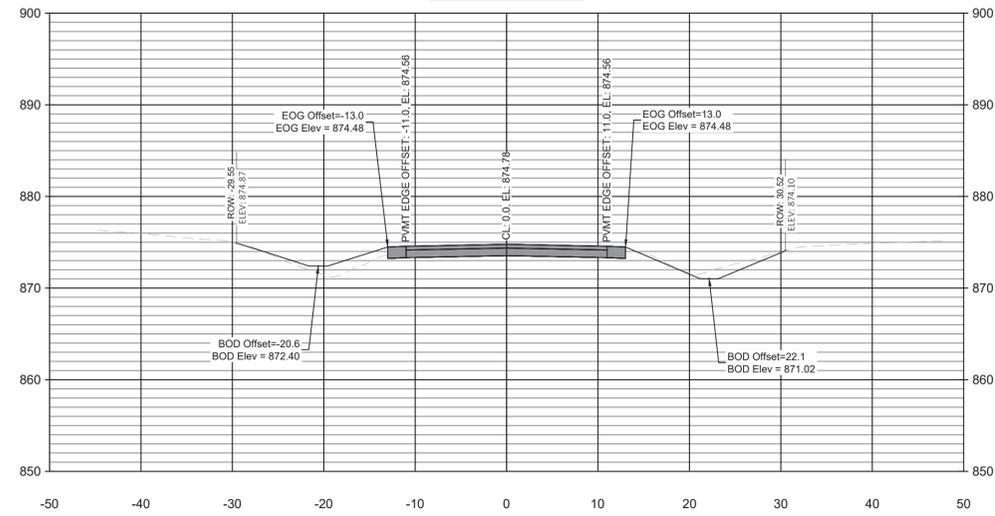
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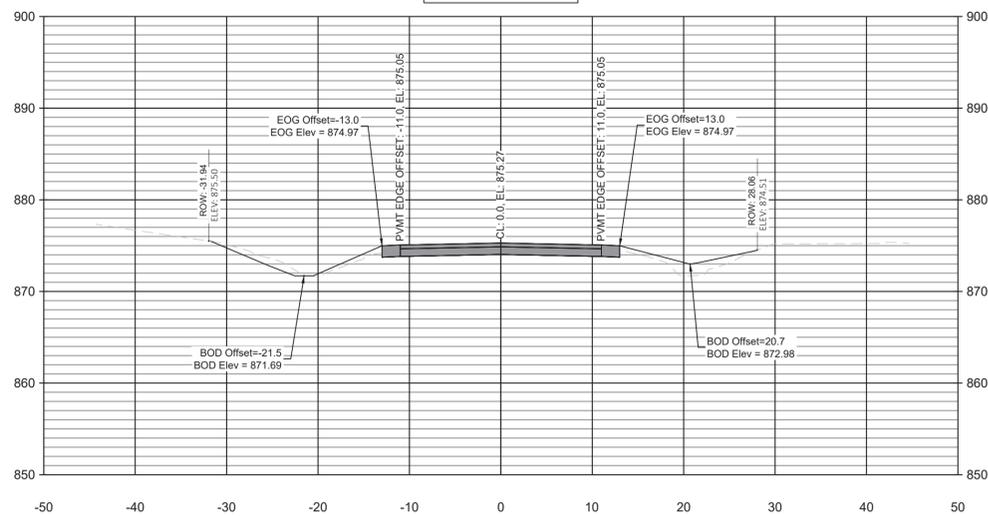
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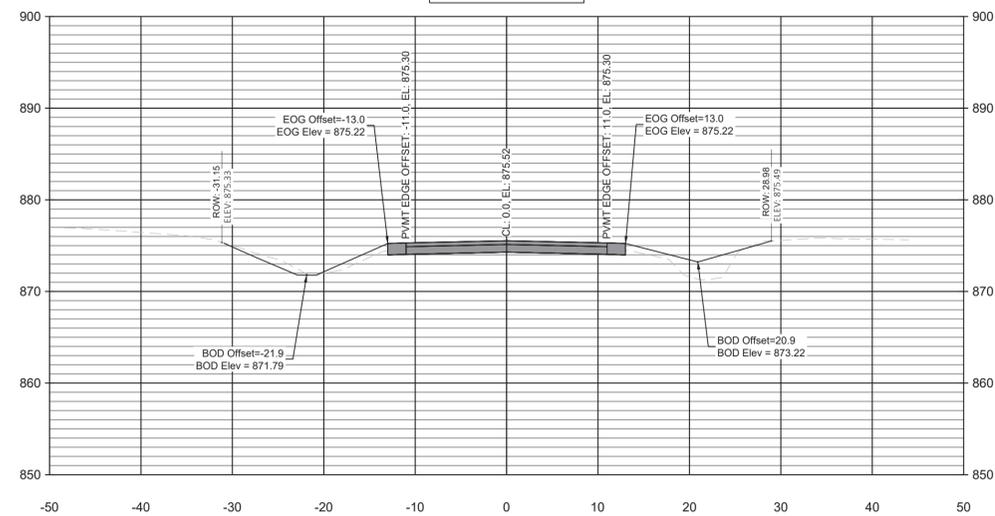
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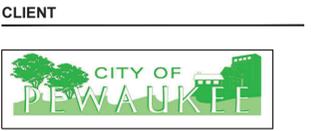


81 "L" +00



81 "L" +25





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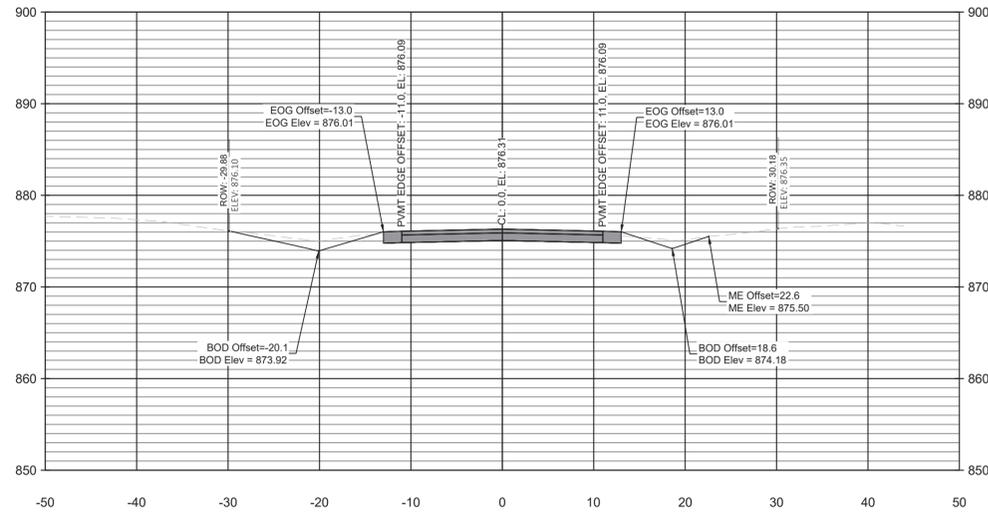
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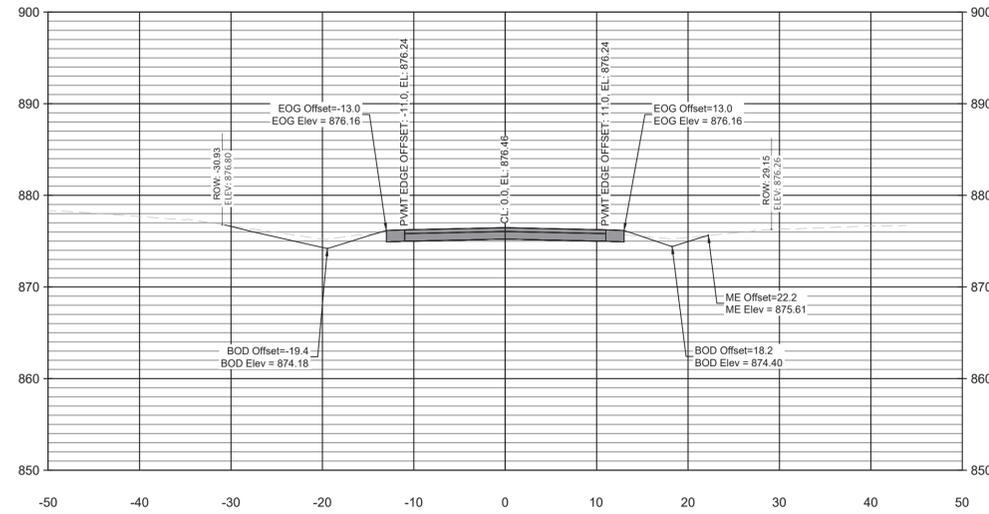
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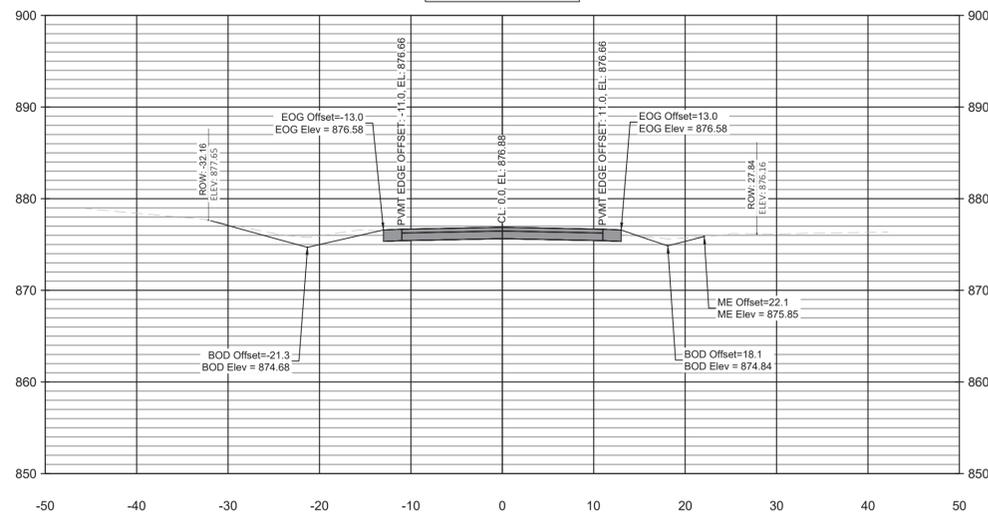
82 "L" +25



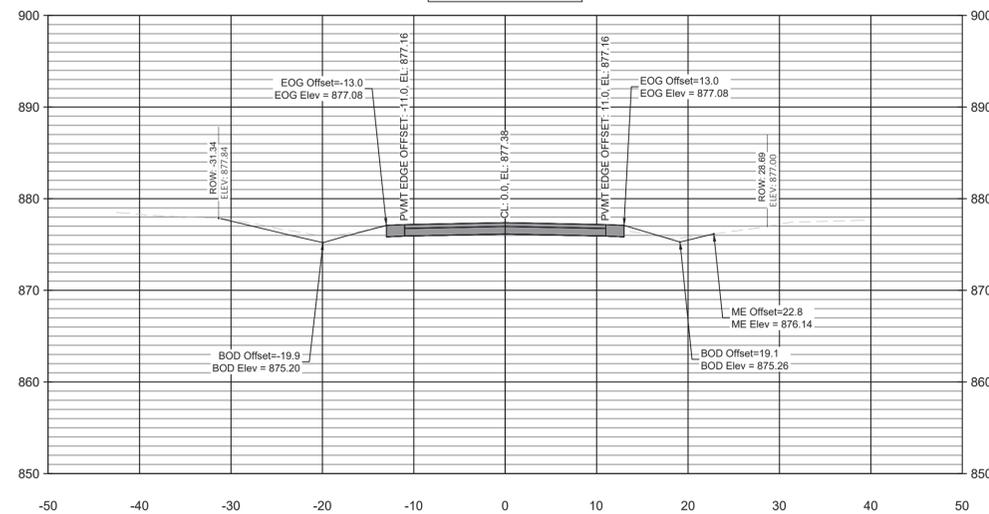
82 "L" +50



83 "L" +00



83 "L" +50



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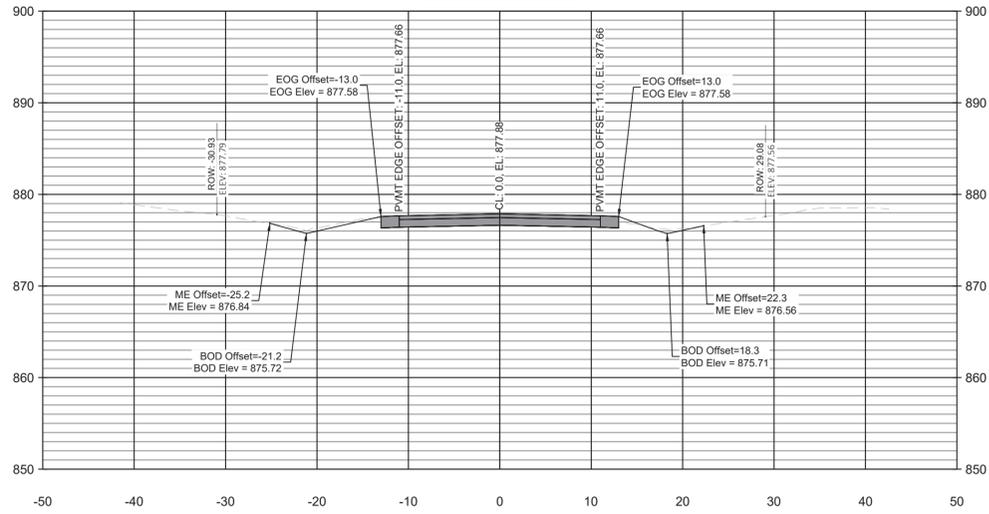
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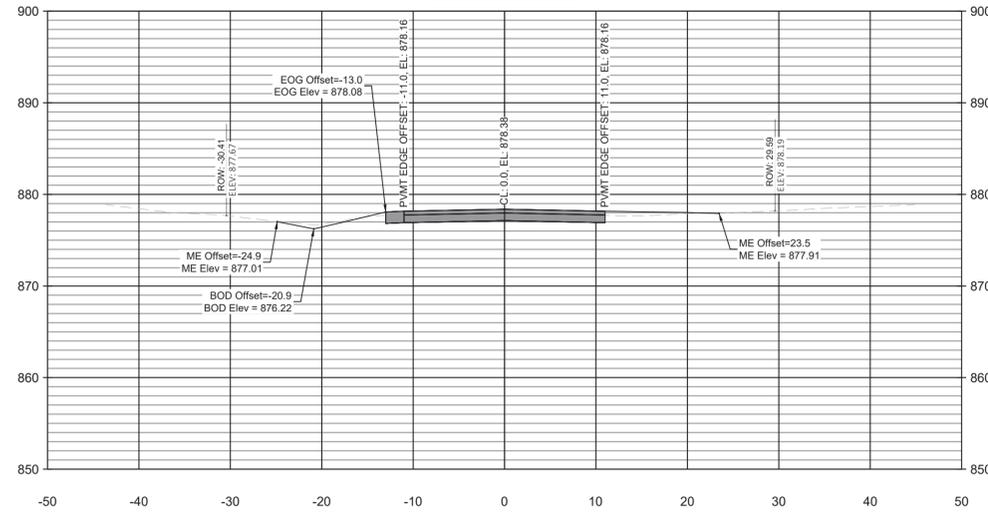
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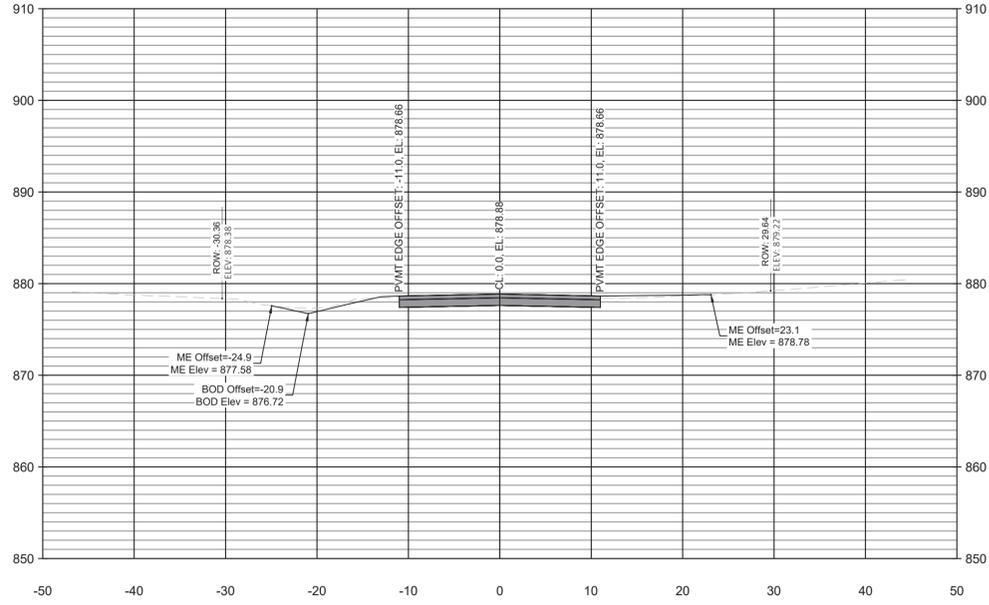
84 "L" +00



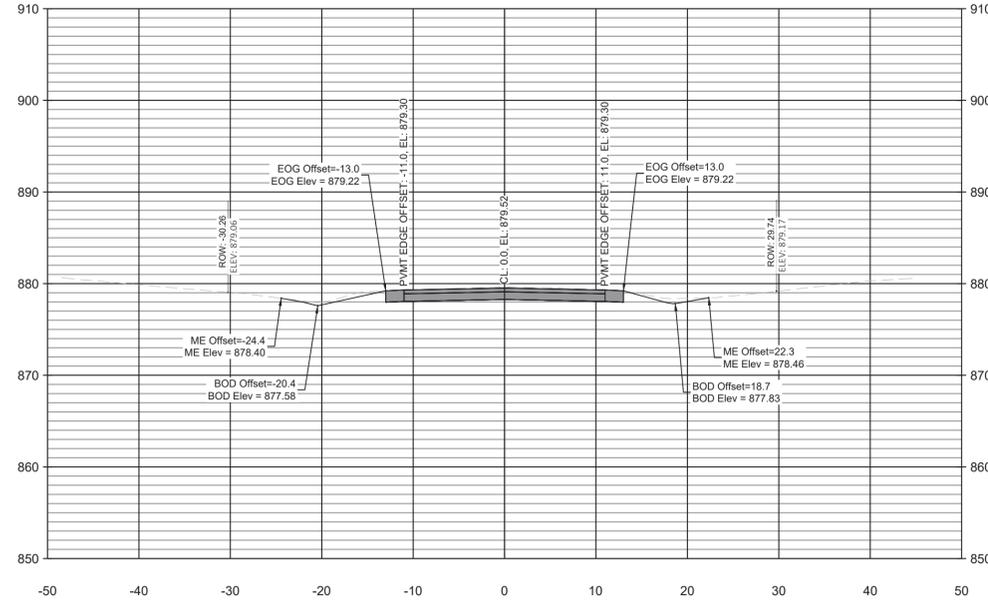
84 "L" +50



85 "L" +00



85 "L" +50



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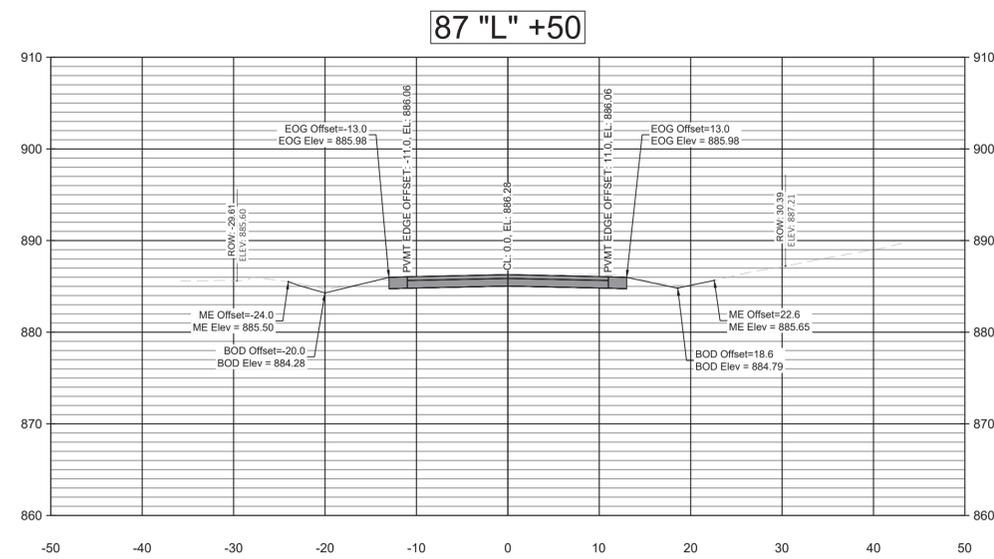
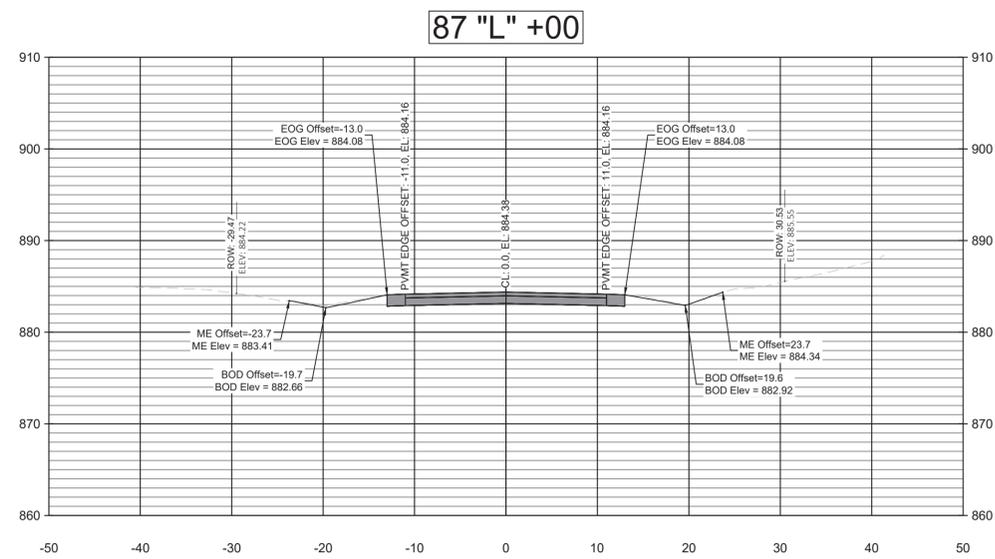
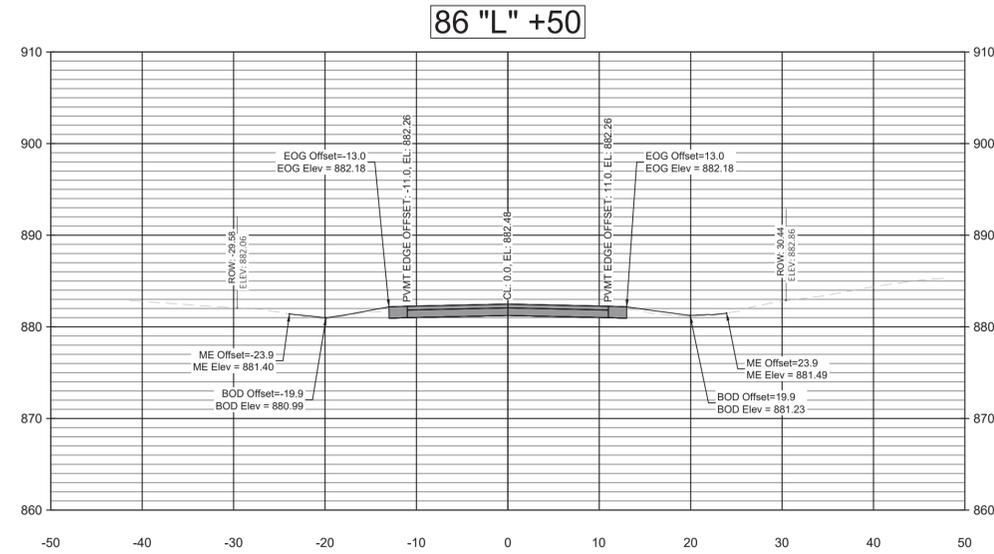
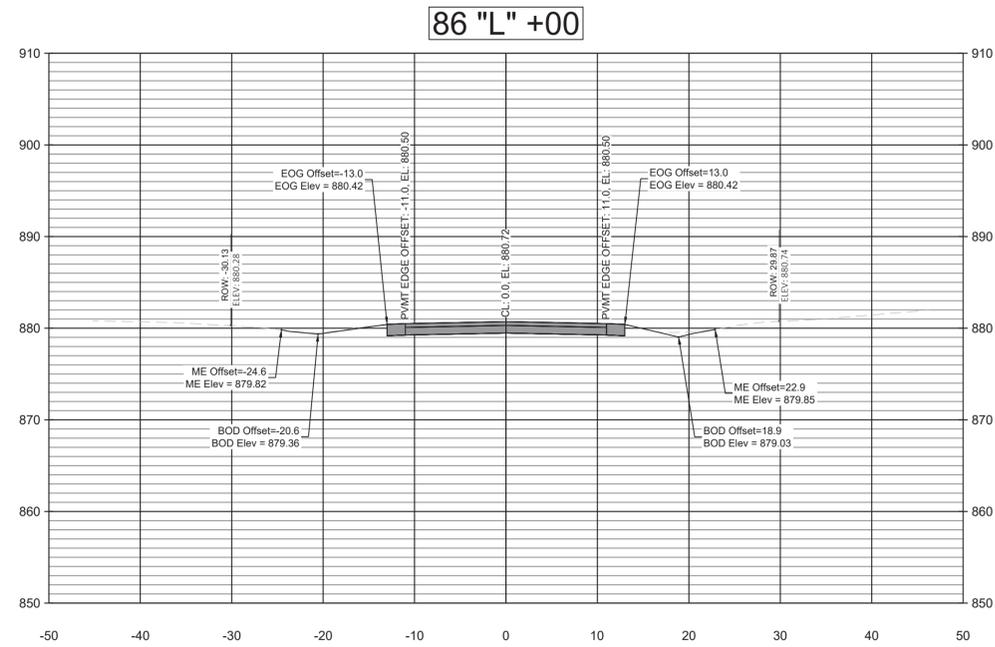
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TAKOMA HILLS STREET RECONSTRUCTION PHASE II

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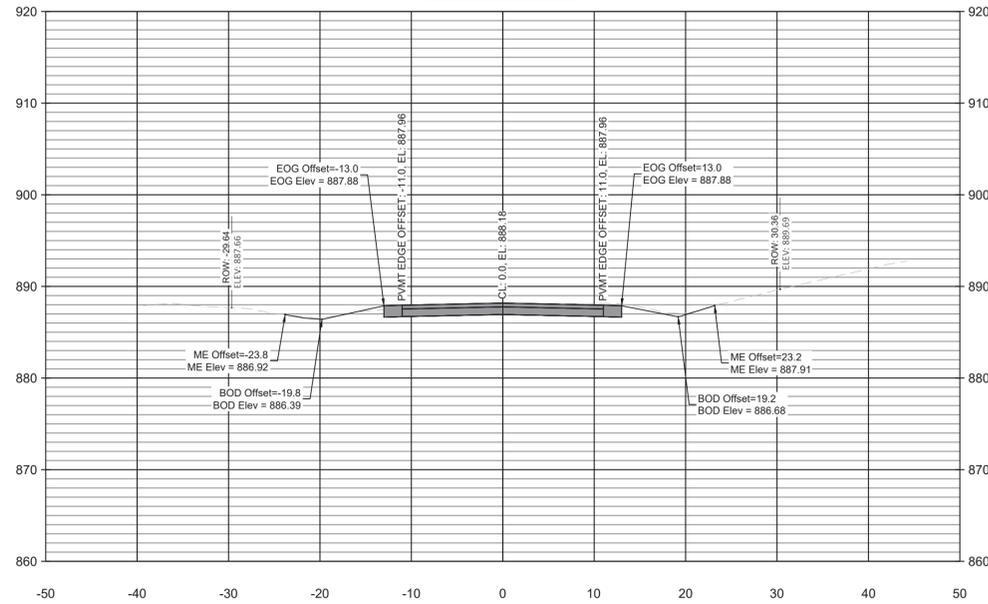
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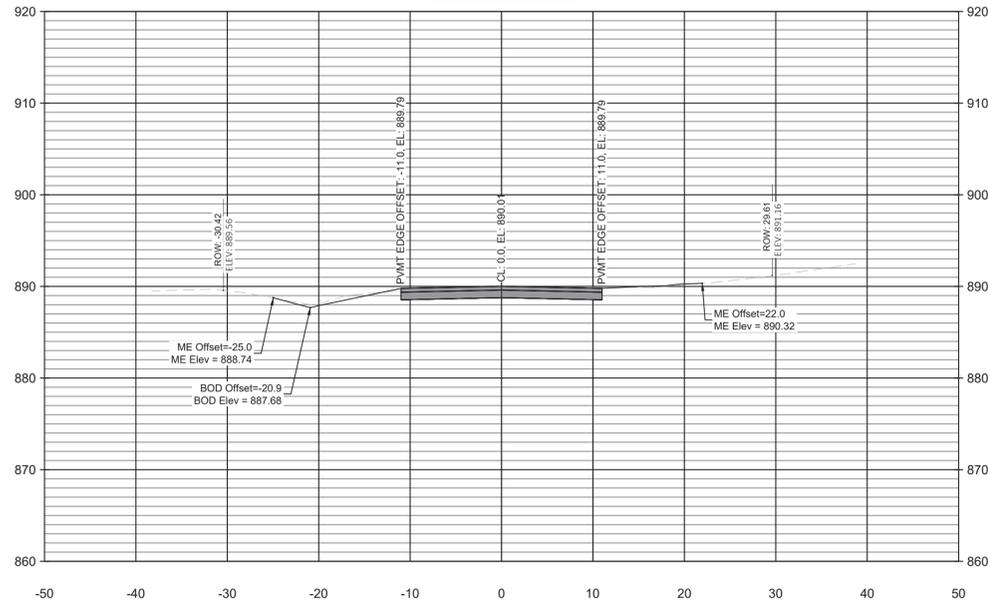
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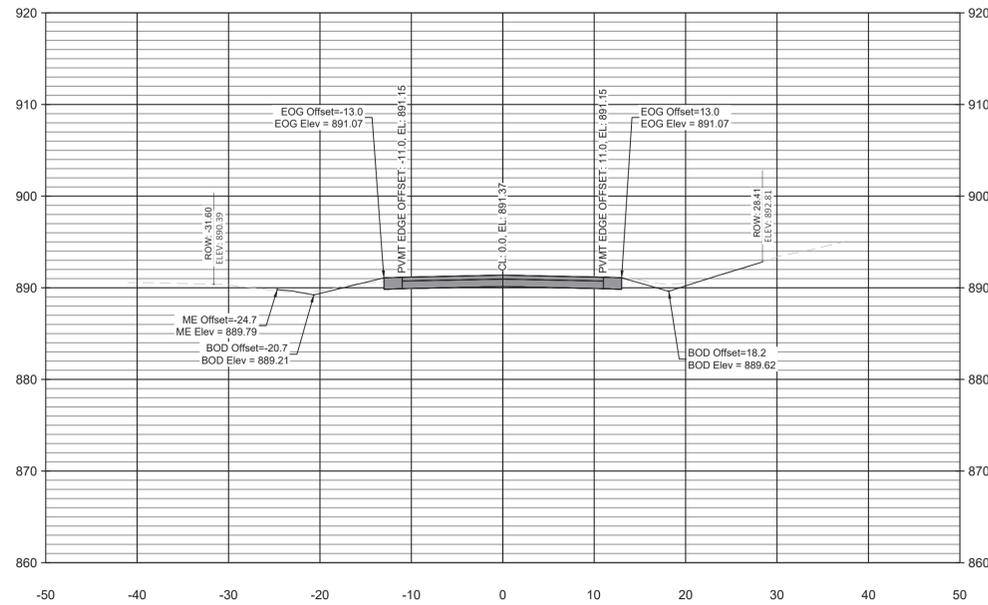
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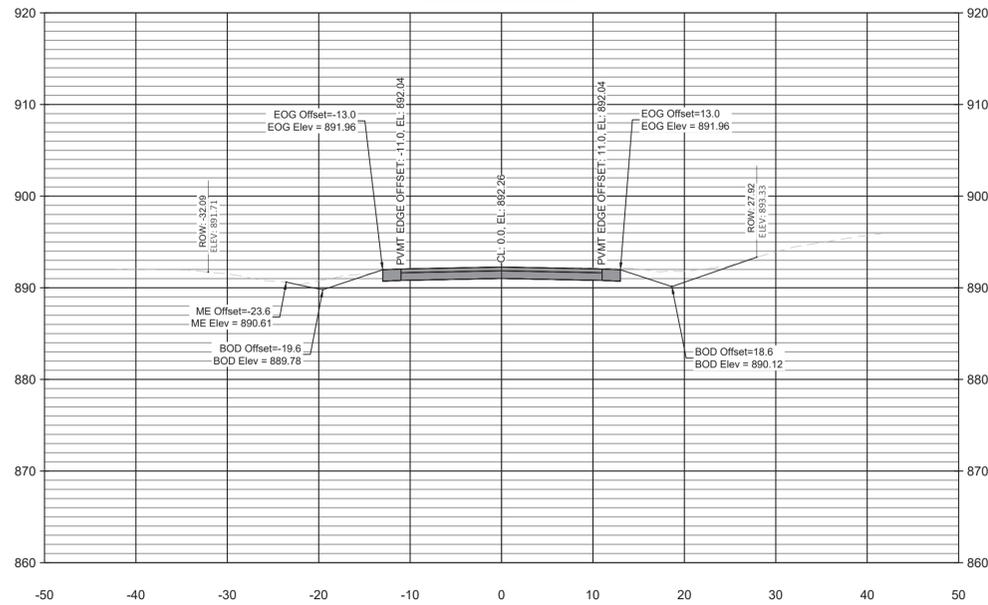
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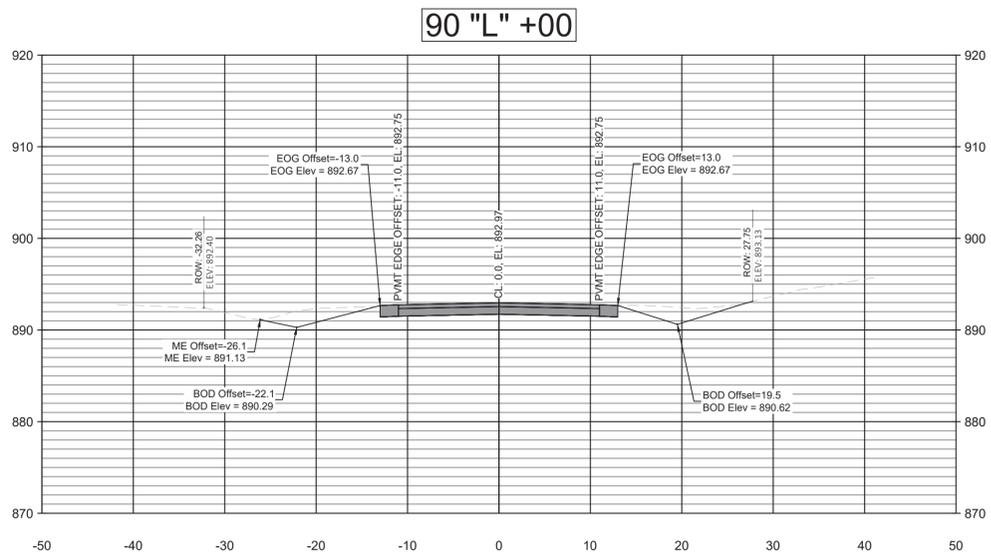


89 "L" +00



89 "L" +50





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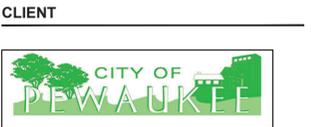
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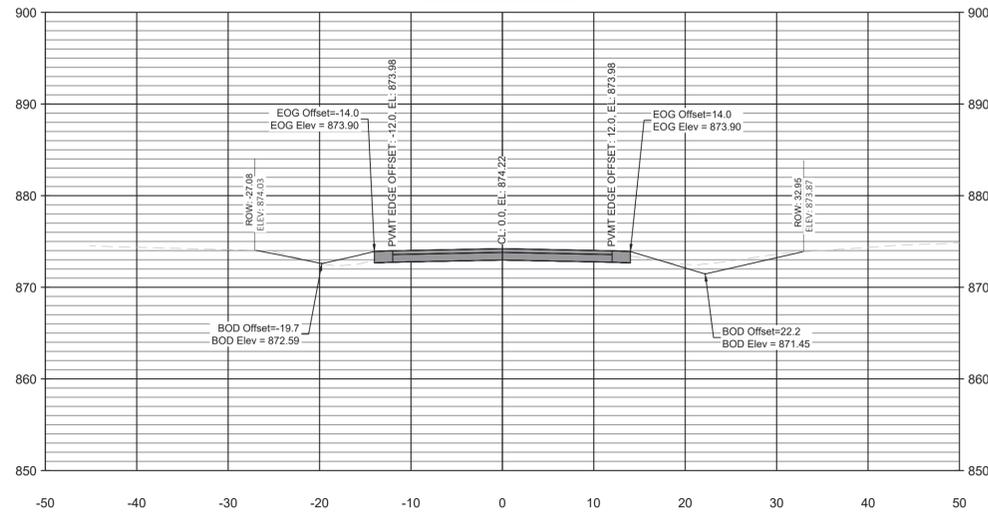
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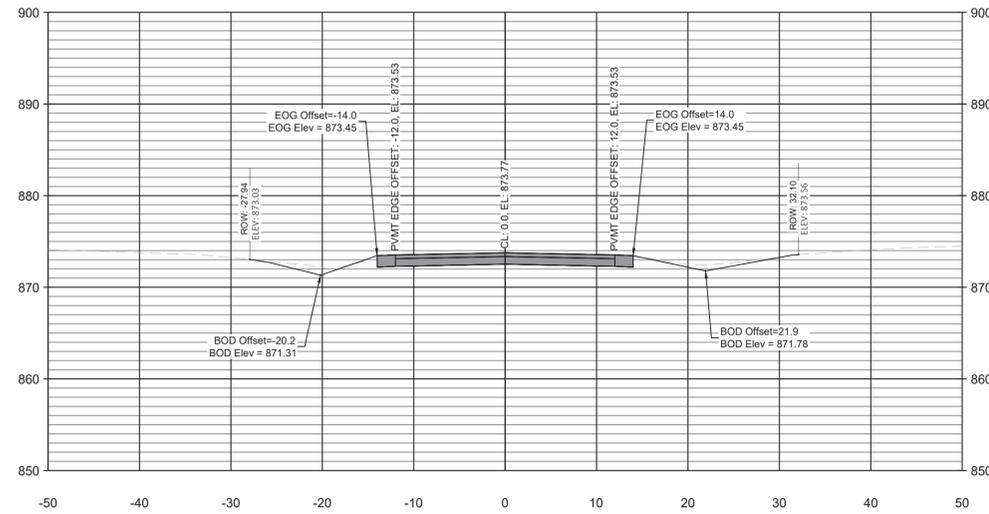
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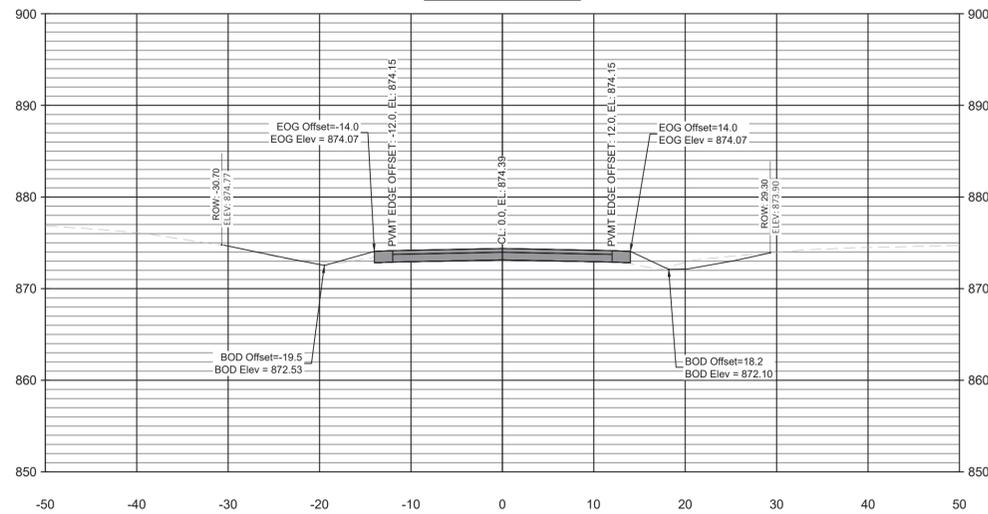
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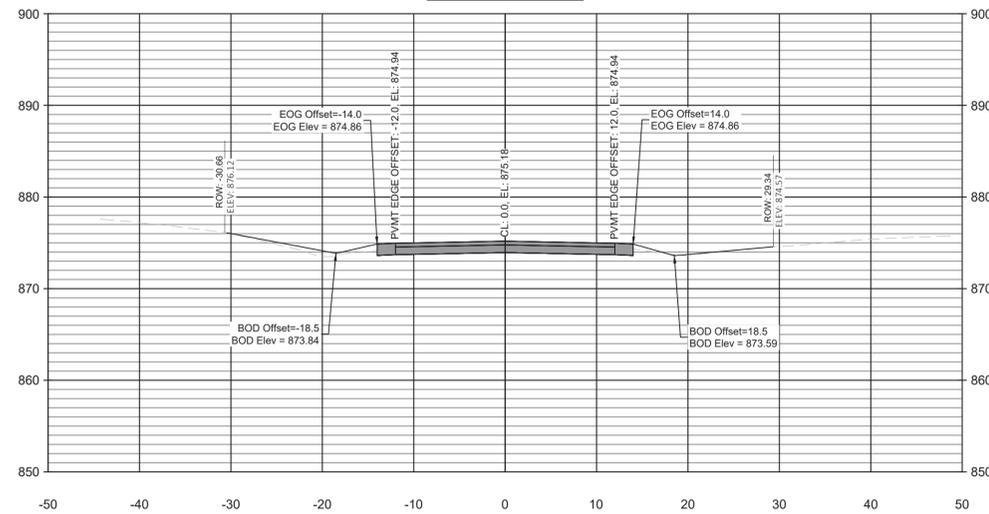
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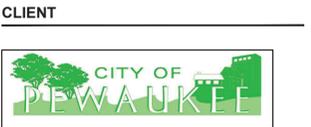
23 "T" +75



24 "T" +00



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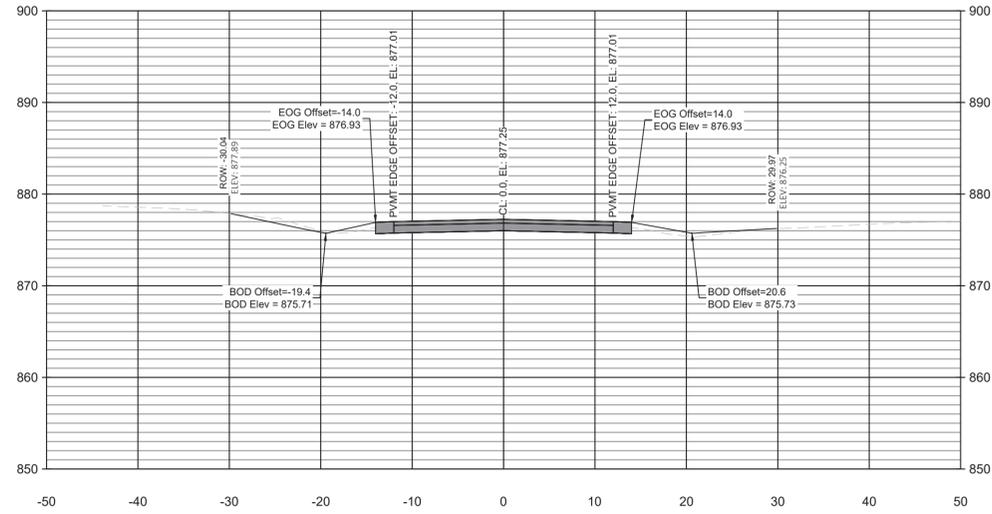
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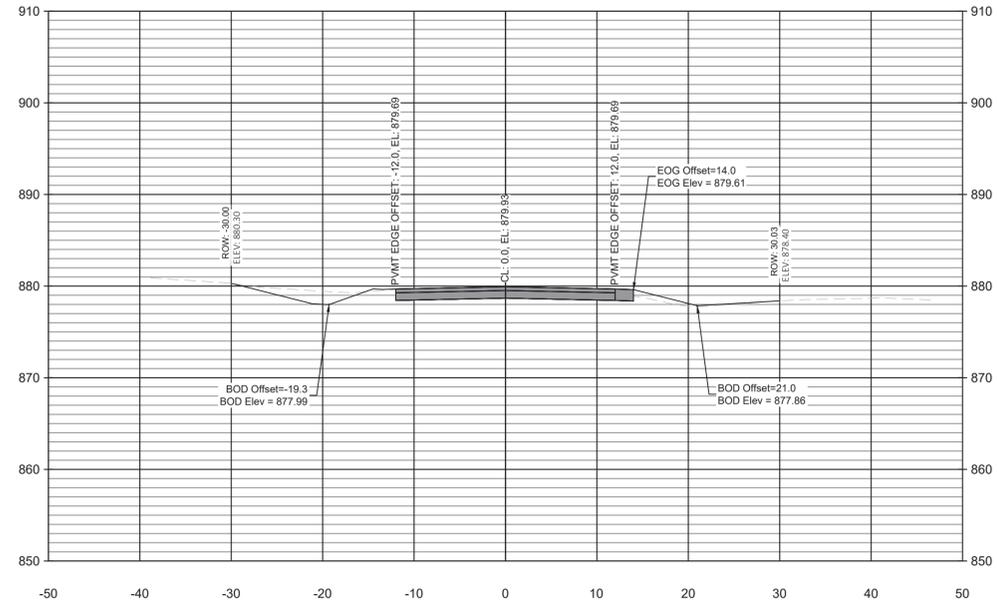
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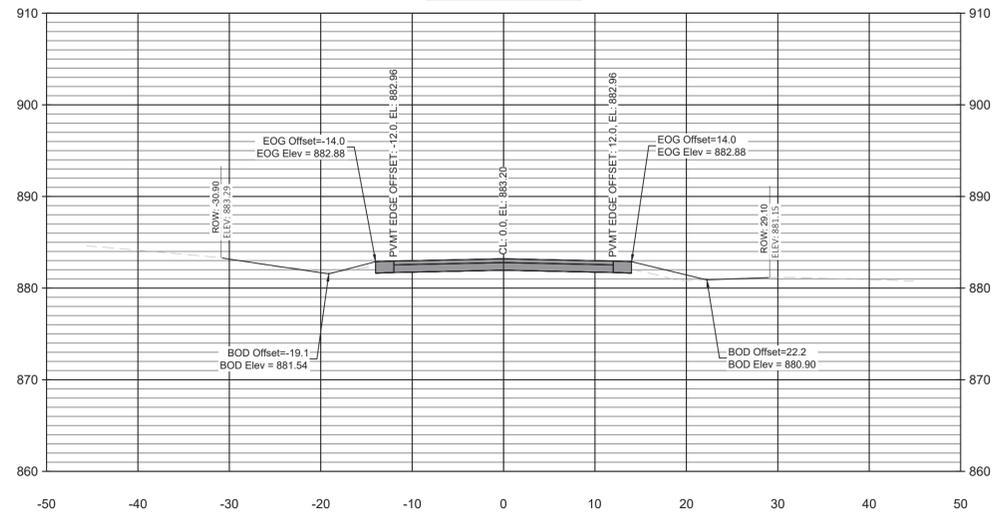
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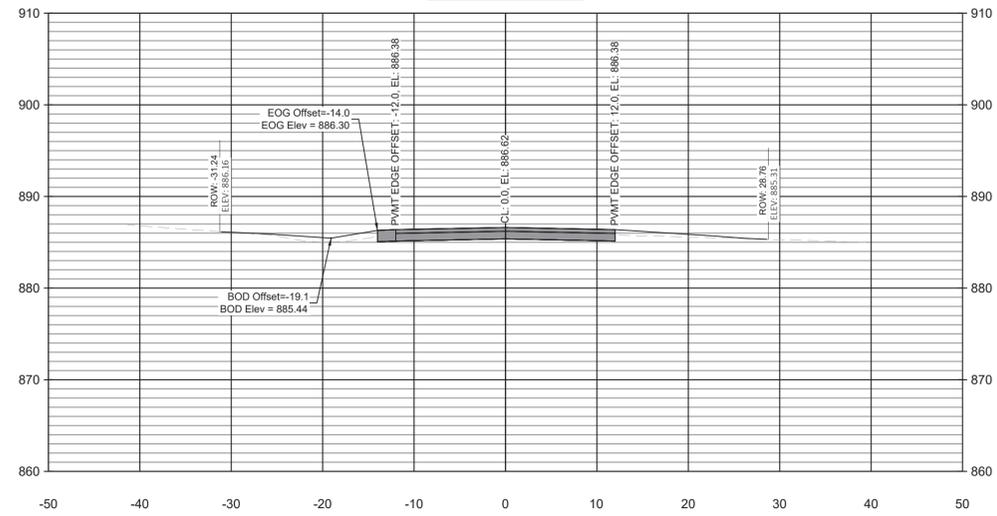
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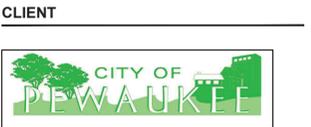


25 "T" +50



26 "T" +00





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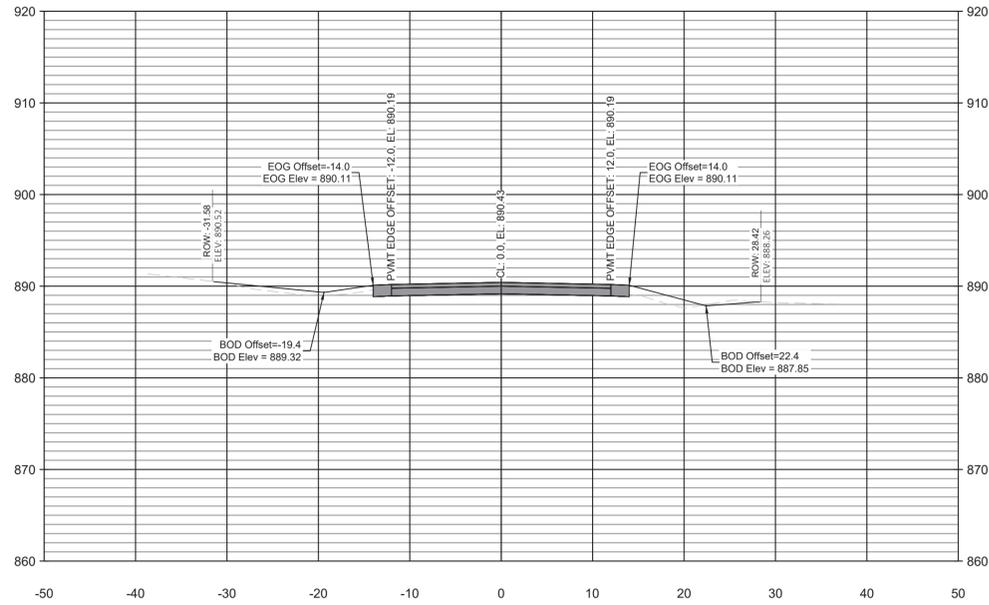
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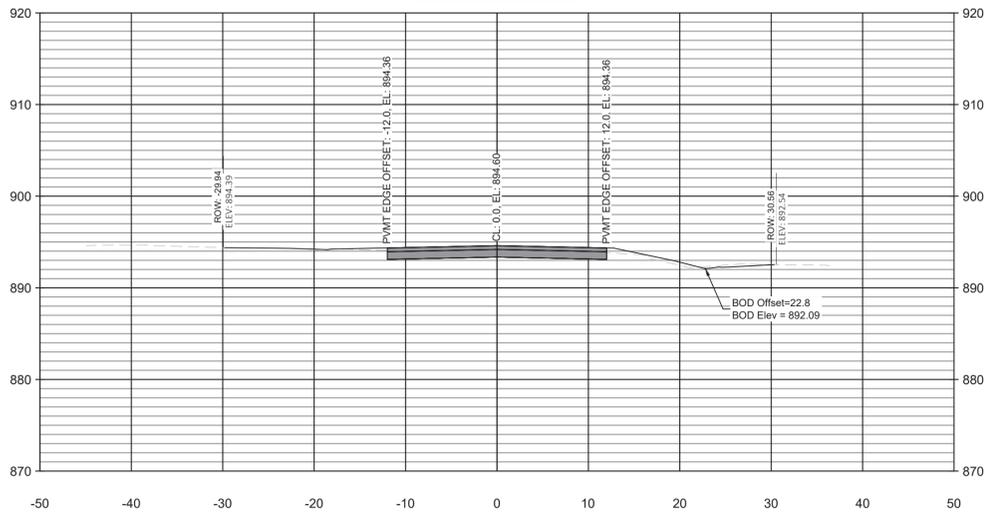
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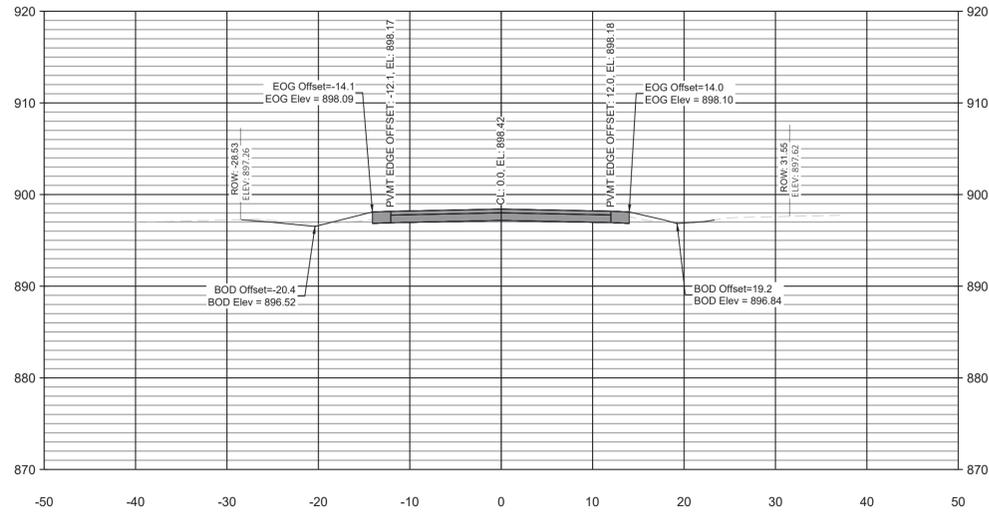
26 "T" +50



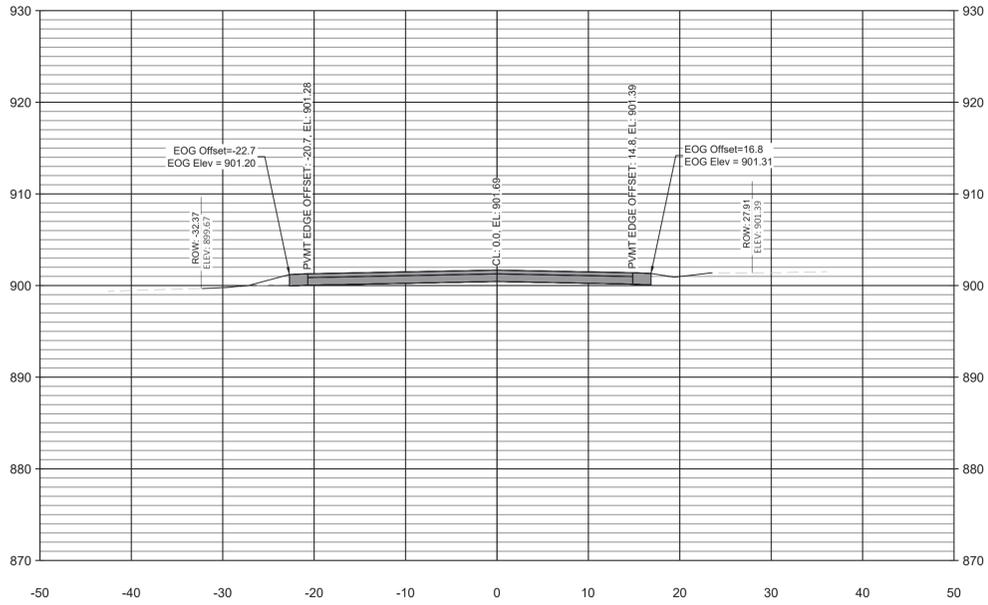
27 "T" +00



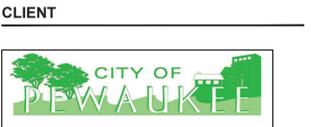
27 "T" +50



28 "T" +00



PROJECT
TAKOMA HILLS STREET RECONSTRUCTION PHASE II



W240 N3065 PEWAUKEE ROAD
 PEWAUKEE, WI 53072
 TELE: 262-691-0770

CONSULTANT
 AECOM
 1555 NORTH RIVERCENTER DRIVE
 SUITE 214
 MILWAUKEE, WI 53212
 414.944.6080 tel 414.944.6081 fax
 www.aecom.com

REGISTRATION

ISSUE/REVISION

I/R	DATE	DESCRIPTION
1	9/11/25	BIDSET

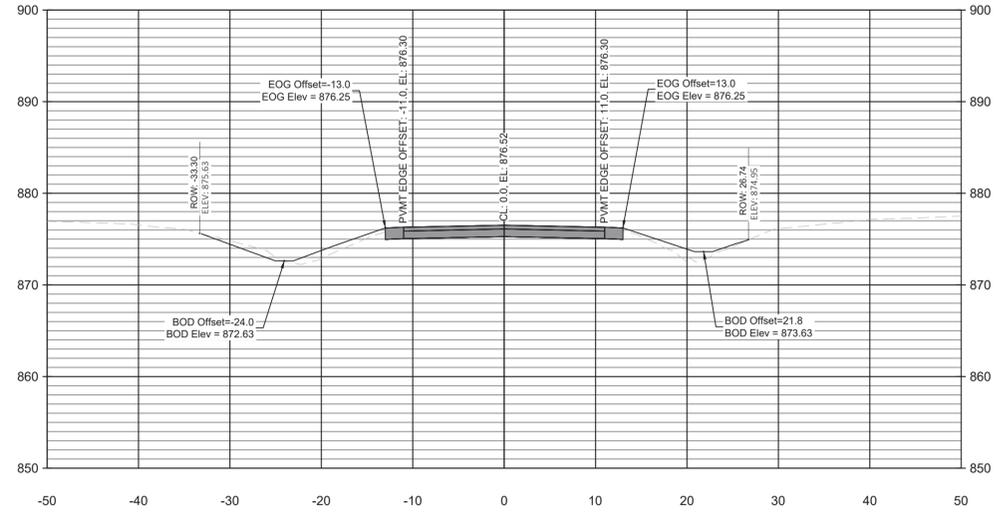
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PROJECT NUMBER
 60339891

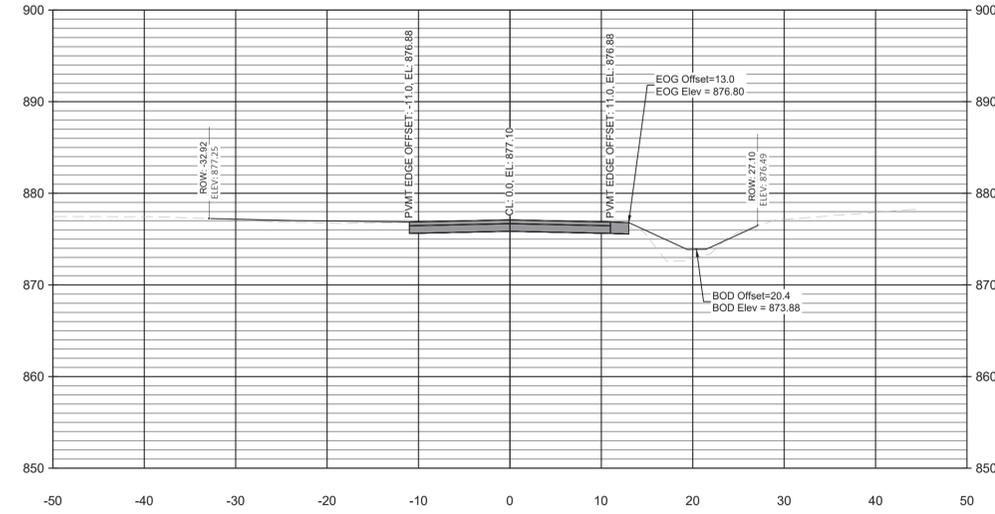
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 RUBEN DR CROSS SECTIONS 1

SHEET NUMBER
 39

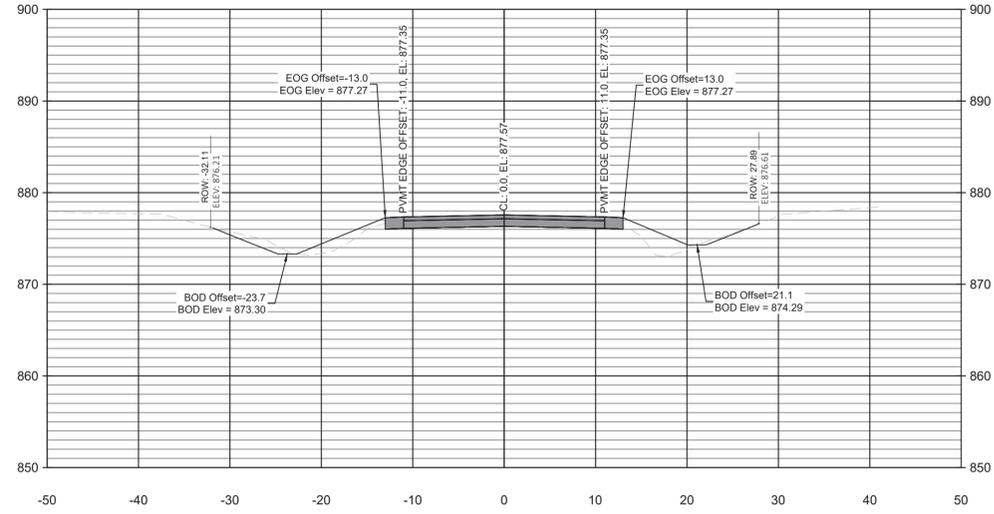
140 "R" +50



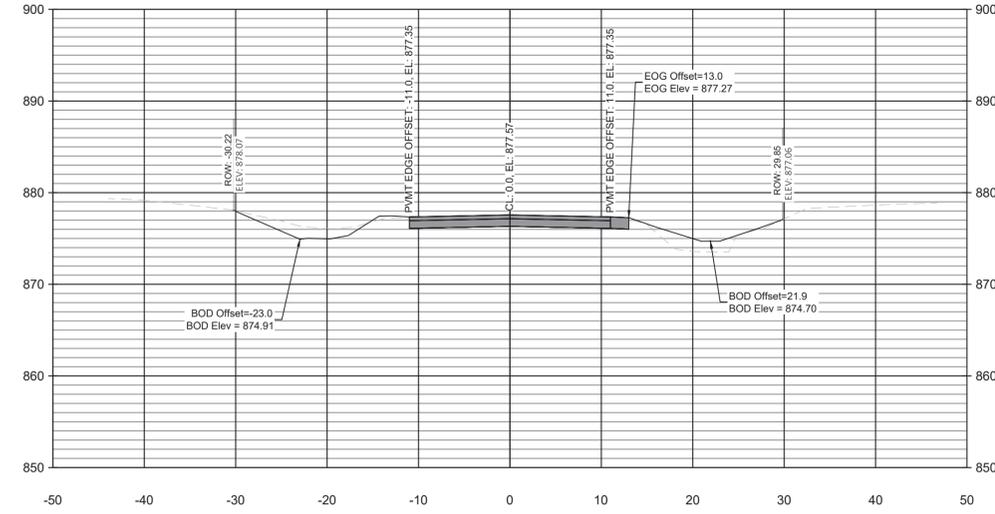
141 "R" +00



141 "R" +50



142 "R" +00



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SHEET TITLE

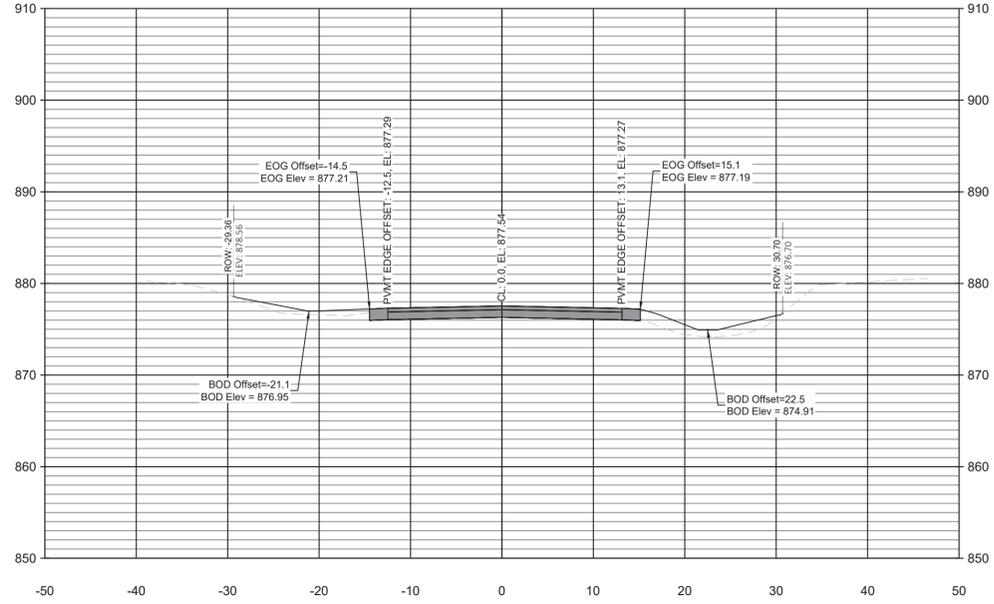
RUBEN DR AND MOUNT VERNON DR CROSS SECTIONS

SHEET NUMBER

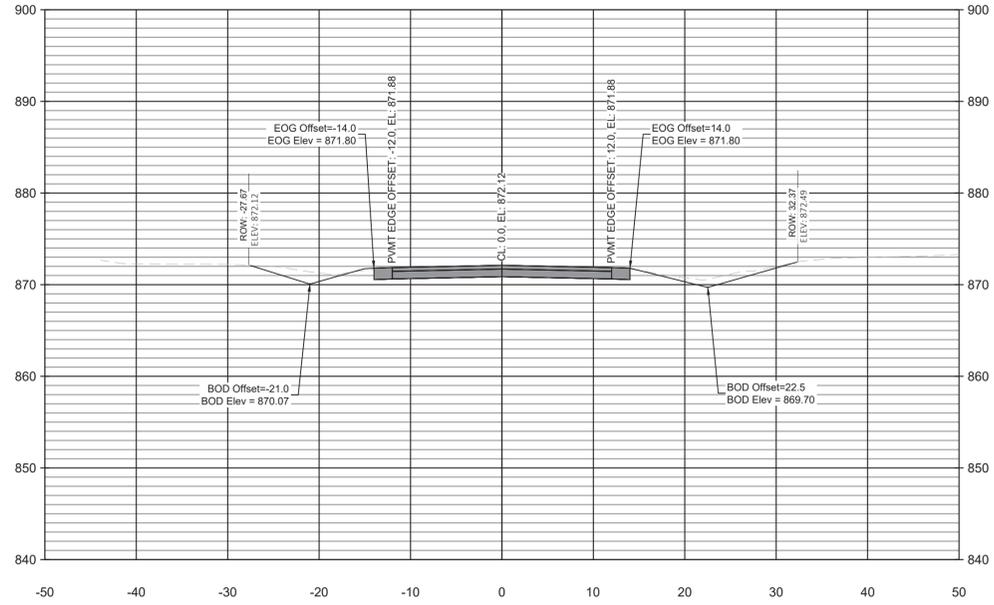
40

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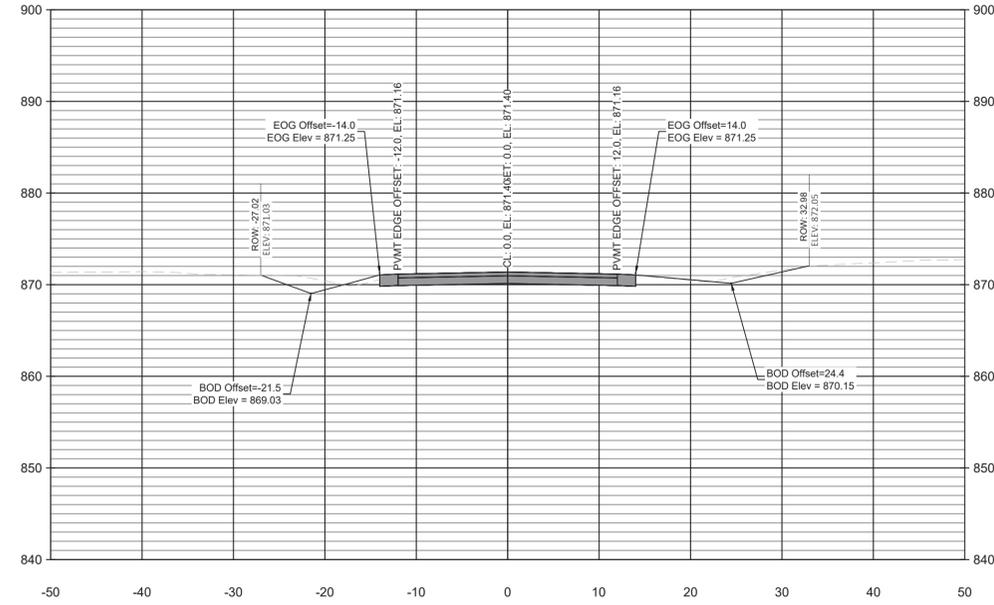
142 "R" +25



52 "MV" +50



53 "MV" +00



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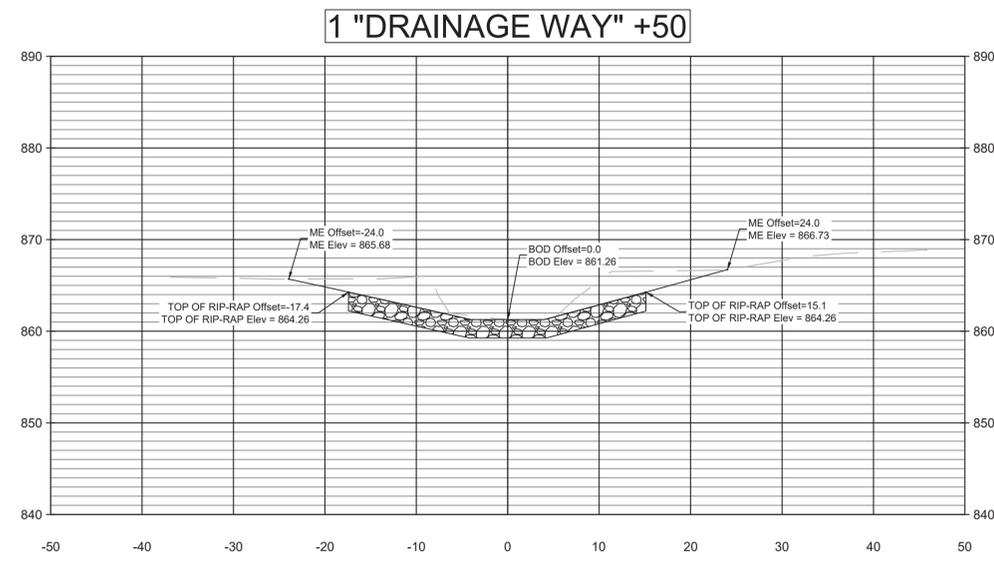
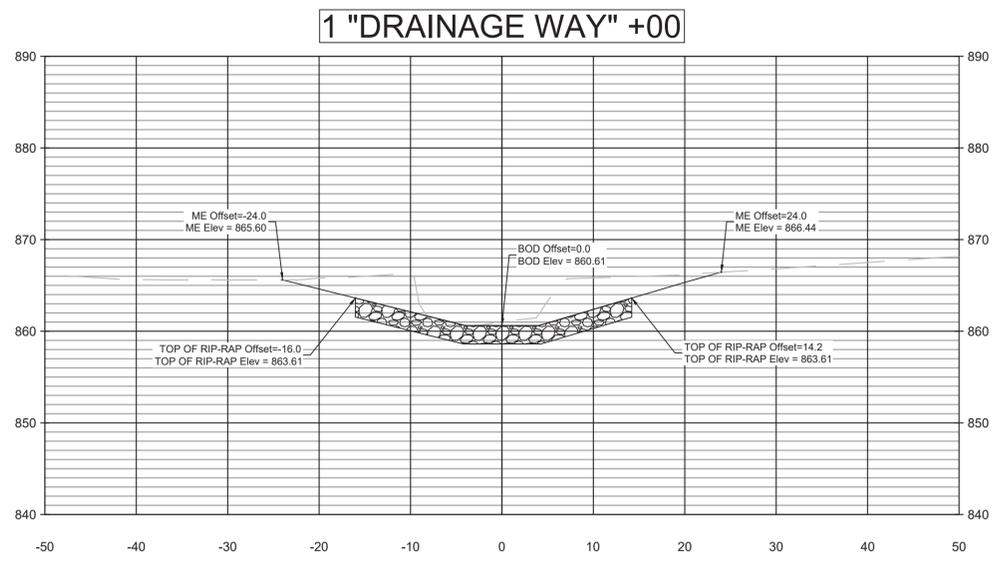
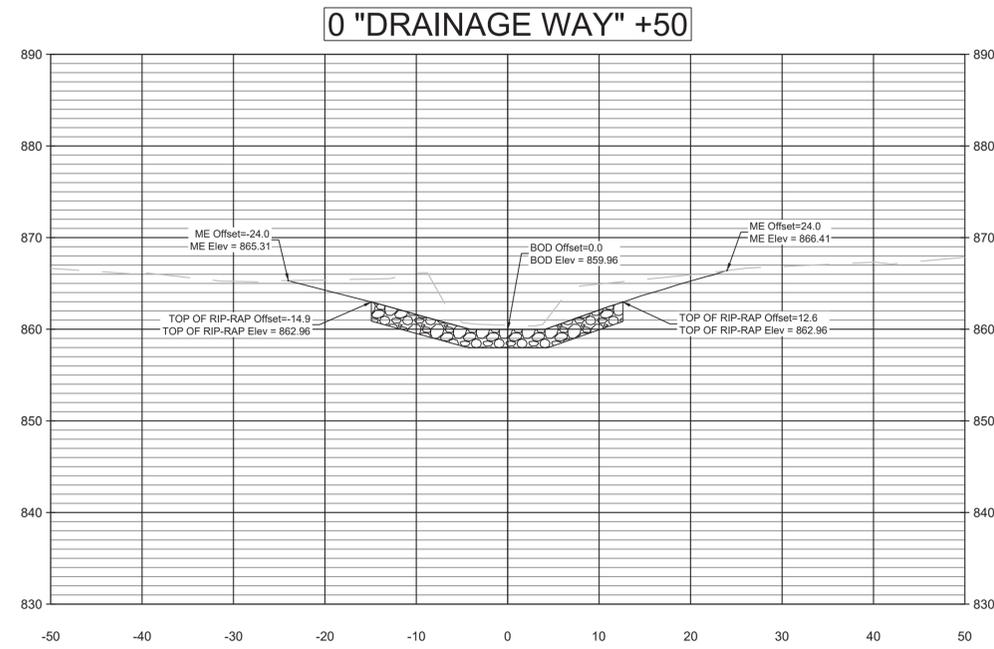
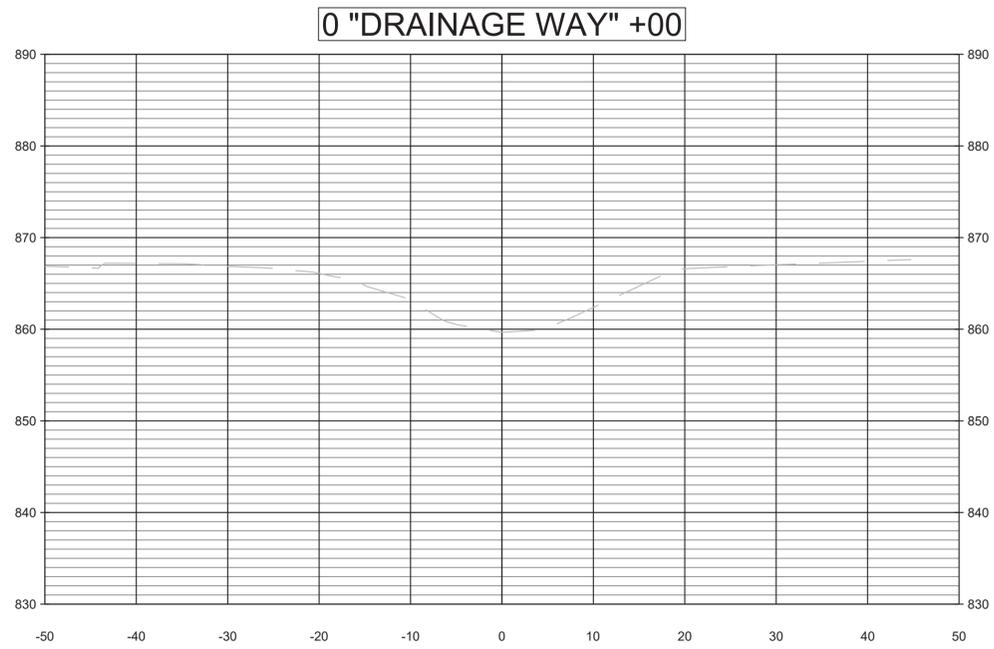
SHEET TITLE

DRAINAGE WAY CROSS SECTIONS

SHEET NUMBER

41

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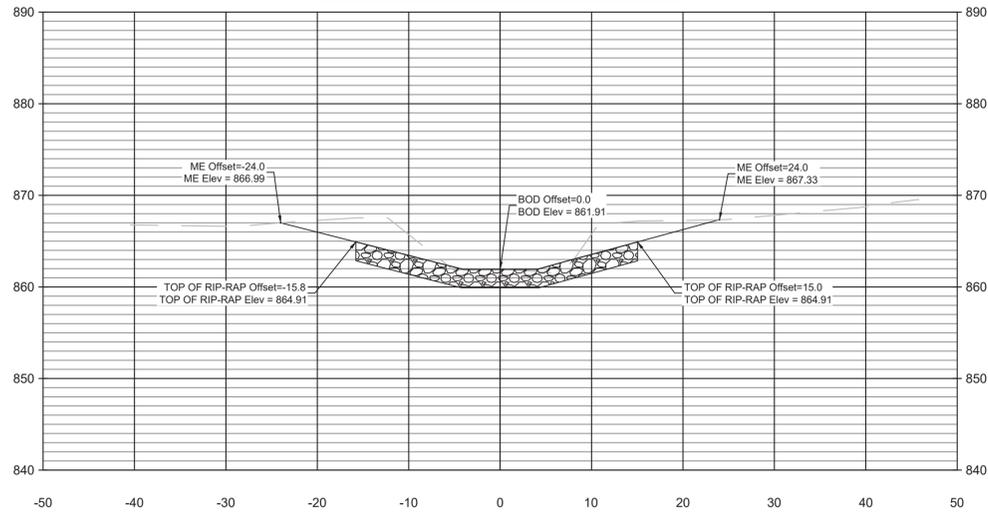
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DRAINAGE WAY CROSS SECTIONS

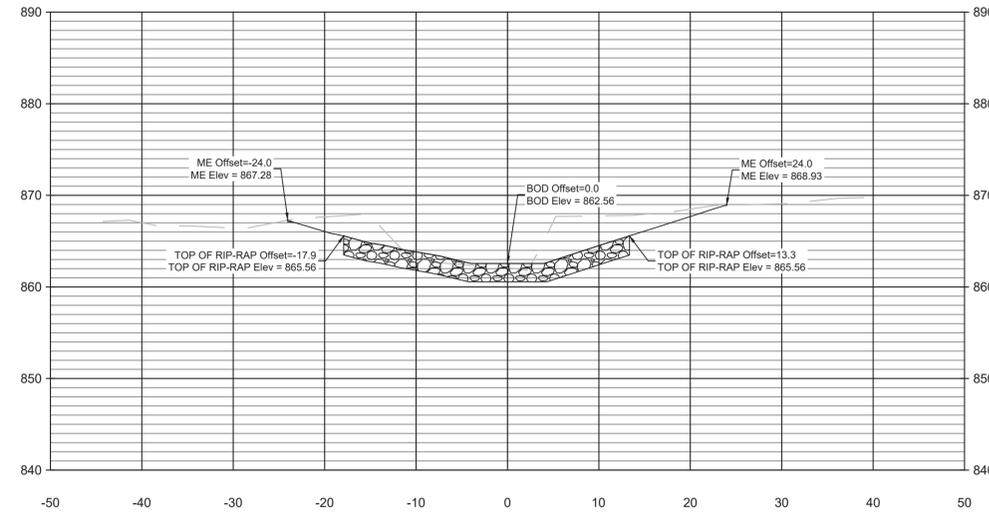
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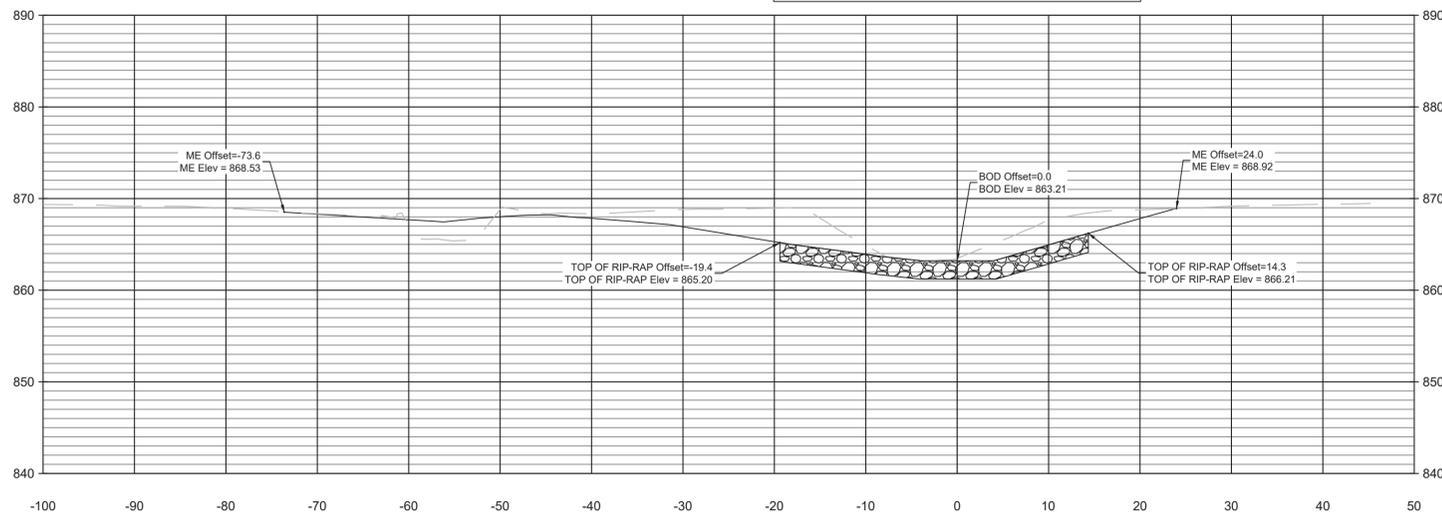
2 "DRAINAGE WAY" +00



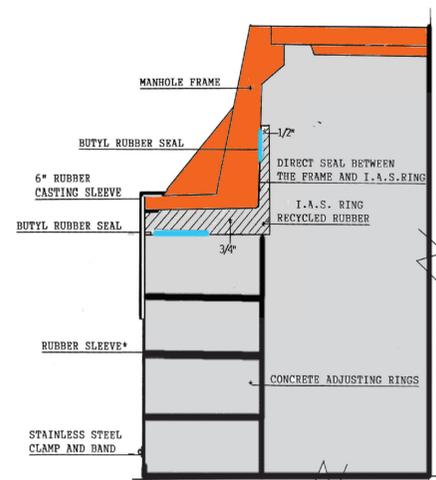
2 "DRAINAGE WAY" +50



3 "DRAINAGE WAY" +00



Internal/External Adaptor Seal Detail Specification



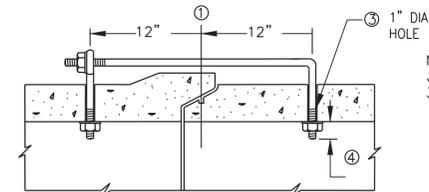
All sanitary manholes shall be provided with an Internal/External Adaptor Seal with a high grade EPDM rubber sleeve having a minimum of 60 mils, to seal the outside of the chimney from the manhole frame down to the cone. It shall have a 3/4" rubber ring that the external sleeve is adhered to and a 1/2" vertical lip that seals to the inside of the casting using butyl mastic. A 304 Stainless Steel band will be used to seal the bottom of the sleeve to the cone section of the manhole. The I/E.A.Seal shall be installed per Adaptor Inc. installation instructions.

A SANITARY MANHOLE INTERNAL/EXTERNAL SEAL
43 NOT TO SCALE

Installation Procedures

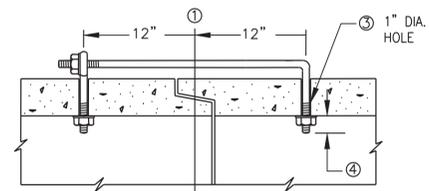


NOTE: Allow 3/4" for the I/E.A Seal plus the height of the manhole frame for the final adjustment.
EXAMPLE: If the frame is 10" Plus 3/4" for the seal, figure 10 3/4" for finish grade to the top adjusting ring.



NOTE: JOINT TIE THE NEW ENDWALL AND THE PROPOSED 30" PIPE SECTION TOGETHER. SEE DETAIL.

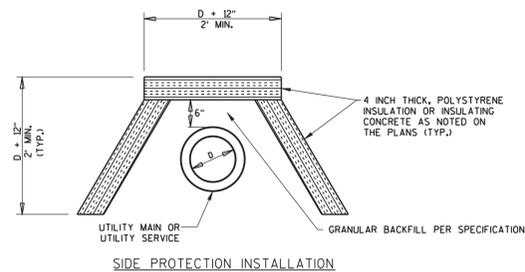
(MODIFIED BELL PIPE)
LONGITUDINAL SECTION



(TONGUE & GROOVE PIPE)

EYE BOLT DIMENSION TABLE

PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
12" TO 15"	3 3/4"	5 3/4"
18" TO 24"	4 1/2"	6 1/4"
36"	5 1/2"	7"
48"	6 1/2"	*
54"	*	*
60"	*	*



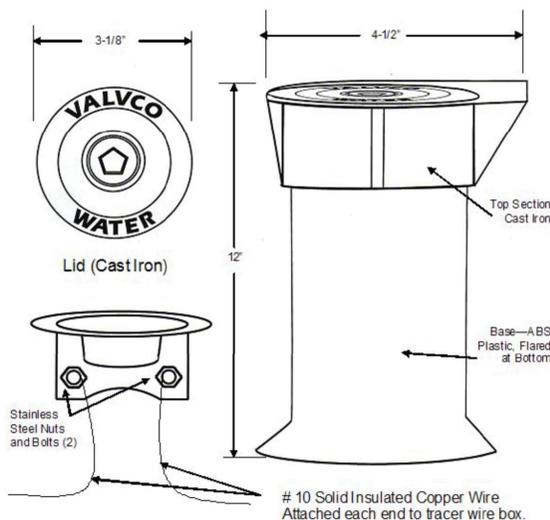
GENERAL NOTES:
1. WATER MAIN, HYDRANT LATERALS, AND SERVICES SHALL BE INSULATED ON TOP AND SIDES TO FORM A BOX.
2. SEE SPECIFICATIONS FOR INSULATION LAYER THICKNESS.
3. SEE PLAN & PROFILE SHEETS FOR INSULATION LOCATIONS.

B WATER MAIN AND LATERAL INSULATION DETAIL
43 NOT TO SCALE

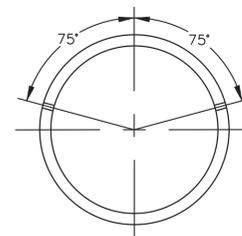
Valvco Tracer Wire Access Box Specification and Submittal

Tracer wire shall be terminated at each end in a flush mount access box. Access Box shall have a cast iron lid that can be locked and opened with a standard pentagon head key wrench. Tracer wires shall be stripped and attached to stainless steel screws mounted to the underside of the lid. Sufficient slack shall be left in wire length so cover can be lifted with wire intact. Tracer wire access box shall be located directly in front of fire hydrants or where indicated on drawings and be set to grade. Tracer wire access box shall be of domestic manufacture and be equal to Valvco TWAB.

Contact: Fischer, Harris & Associates for information 800-224-7579.



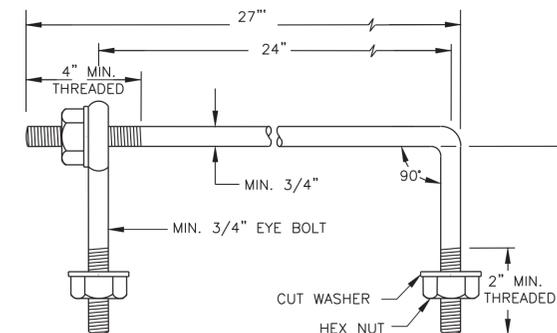
C TRACER WIRE ACCESS BOX
43 NOT TO SCALE



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



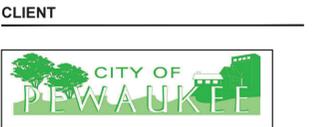
EYE BOLT AND TIE ROD

UNLESS OTHERWISE STATED IN THE CONTRACT, THE MATERIALS, FABRICATIONS AND WORK NECESSARY TO TIE REINFORCED CONCRETE PIPE WILL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF WORK.

- ① ϕ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- ③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12" FROM C OF TONGUE AND GROOVE.
- ④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2".

D JOINT TIE DETAIL
43 NOT TO SCALE

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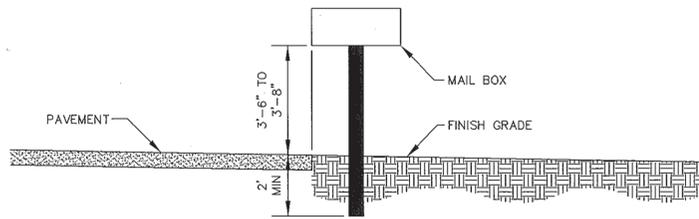
KEY PLAN

PROJECT NUMBER
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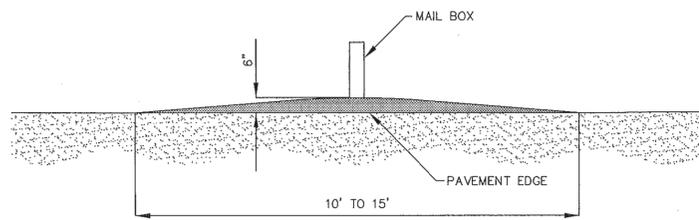
SHEET TITLE
 DETAILS 2

SHEET NUMBER
 44

Figure S



ELEVATION

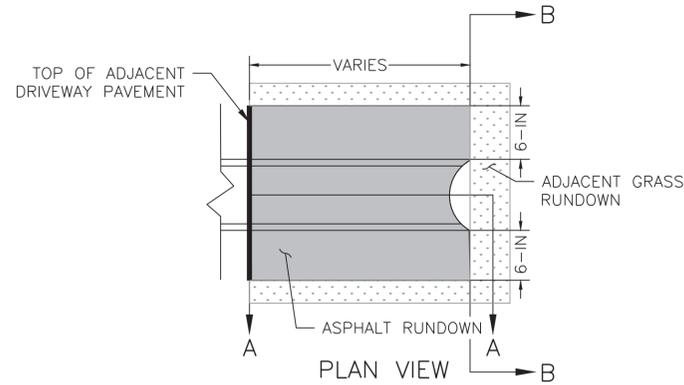


PLAN

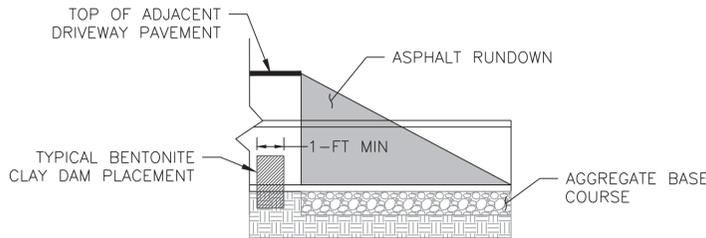
TYPICAL MAIL BOX PLACEMENT DETAIL

CITY OF PEWAUKEE
 SCALE: 1"=3' SEPTEMBER 2016 DRAWN BY: JJF

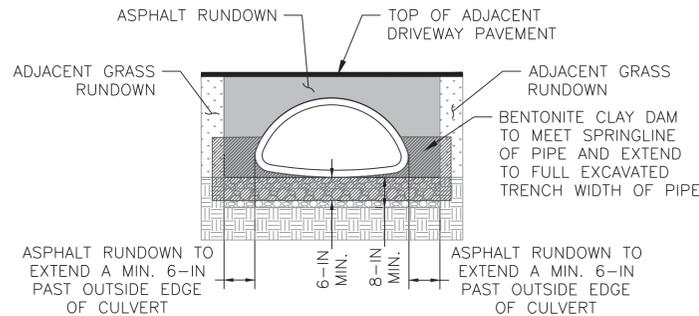
A
44 MAIL BOX PLACEMENT DETAIL
 NOT TO SCALE



PLAN VIEW

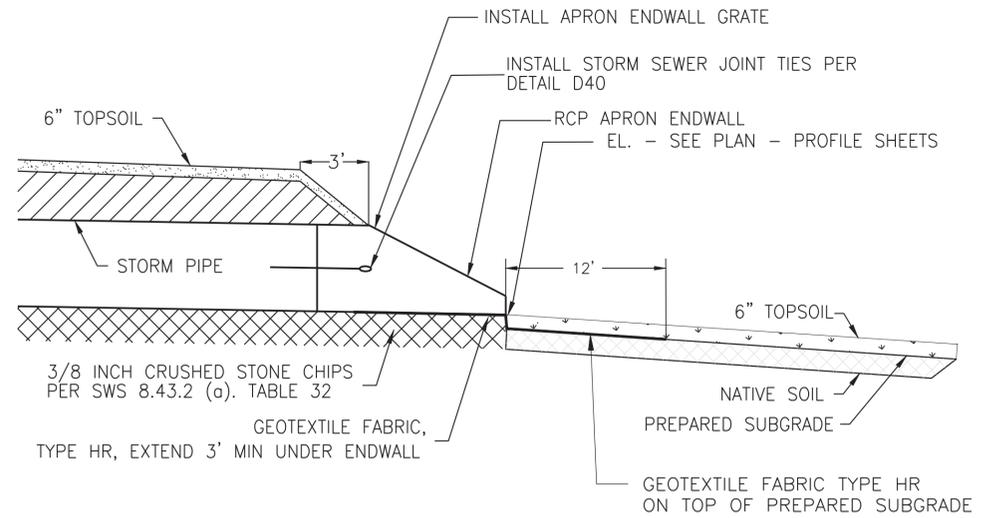


PROFILE VIEW (A-A)

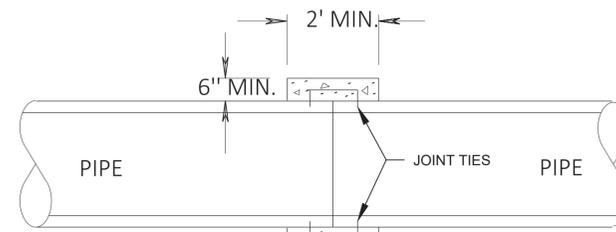


SECTION VIEW (B-B)

B
44 ASPHALT RUNDOWN
 NOT TO SCALE

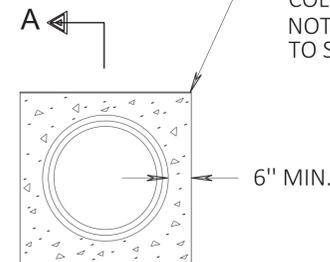


44
42 APRON ENDWALL DETAIL
 NOT TO SCALE

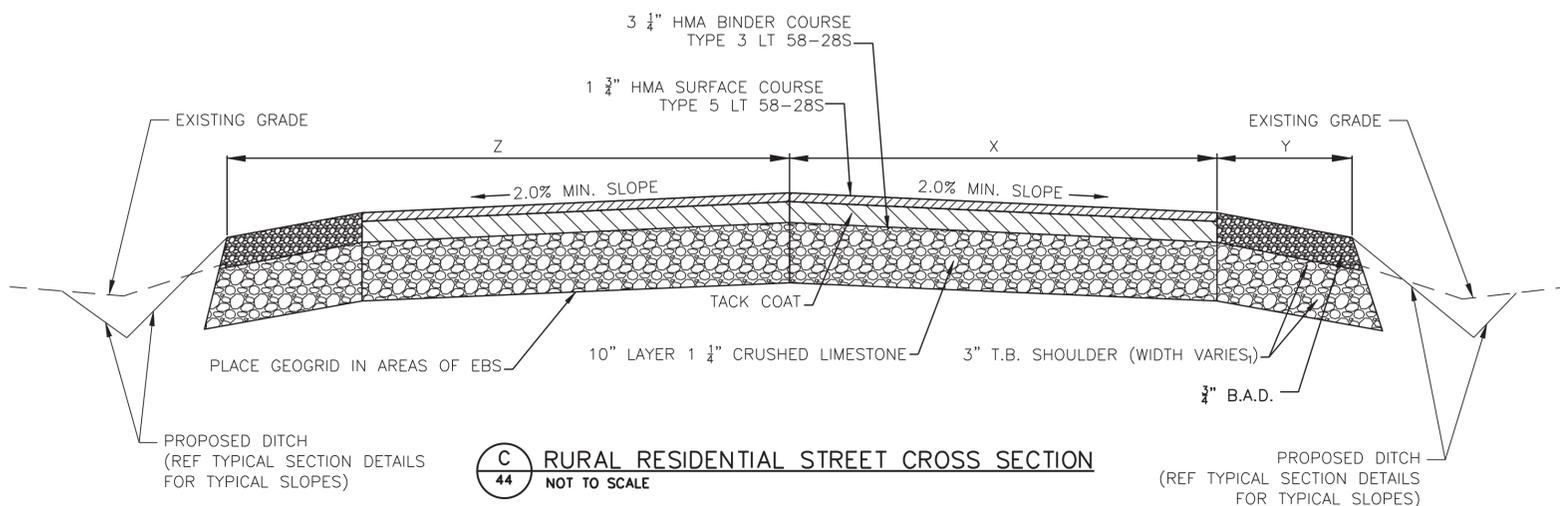


SECTION A-A

CONCRETE MASONRY COLLAR WHERE NOTED ON PLANS TO SEAL PIPE



E
44 CONCRETE COLLAR DETAIL PER WISDOT STANDARDS
 NOT TO SCALE

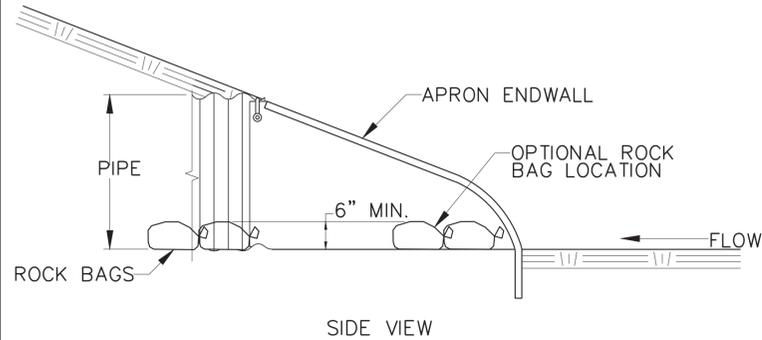
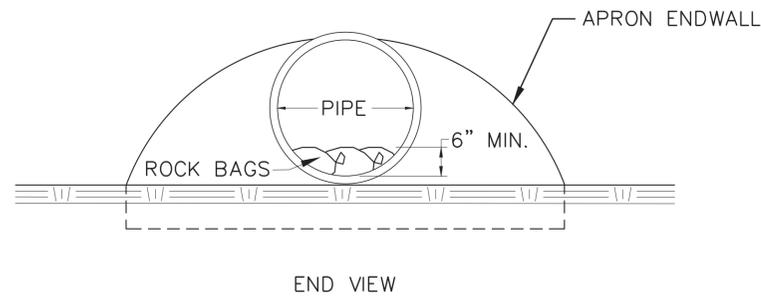


C
44 RURAL RESIDENTIAL STREET CROSS SECTION
 NOT TO SCALE

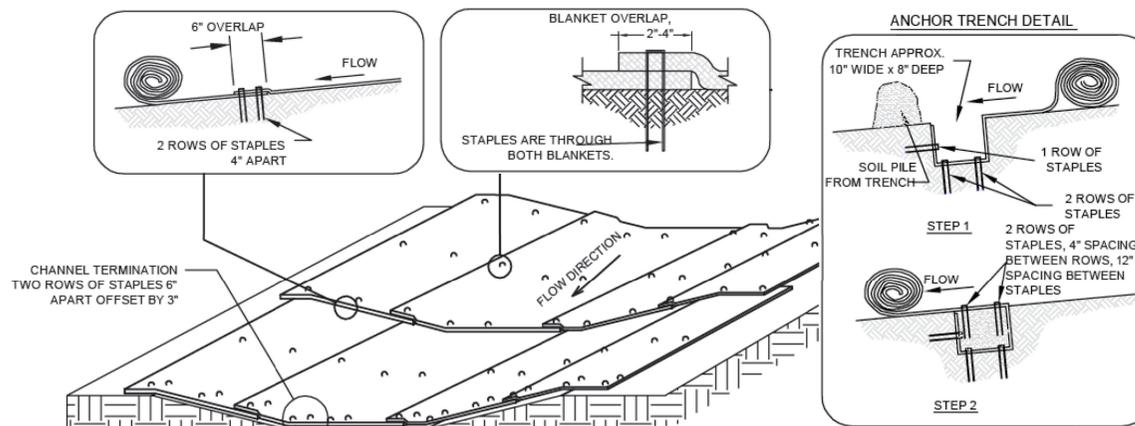
1. ROADWAY DIMENSIONS BY STATION

STA.	LANE WIDTH (X)	SHOULDER WIDTH (Y)	COMBINED (Z)
RUBEN DR (ALL)	11 FT	2 FT	13 FT
LEXINGTON DR (ALL)	11 FT	2 FT	13 FT
MT VERNON DR (ALL)	12 FT	2 FT	14 FT
TAKOMA DR (ALL)	12 FT	2 FT	14 FT

Filename: C:\ONEDRIVE\AECOM\SWM REVIEWS - DOCUMENTS\PEWaukee22.3 TAKOMA HILLS900_CAD_GIS\910_CAD\SHEET\PHASE 2\TAKOMA_HILLS_DETAILS_P12.DWG Last saved by: KASPRZAKJ Last Plotted: 2025-09-11



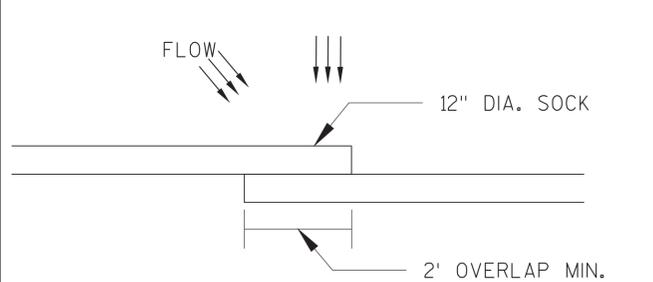
**CULVERT PIPE CHECK
(INSTALL ON INLET END ONLY)**
NTS A 45



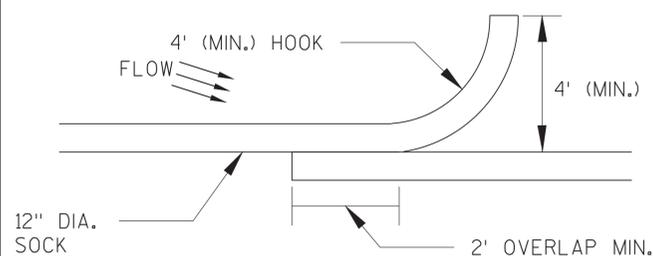
NOTES:

1. INSTALL AND ANCHOR EROSION MAT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. AT TIME OF INSTALLATION, RETAIN MATERIAL LABELS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS UNTIL THE SITE HAS BEEN STABILIZED.
3. INSTALL EROSION CONTROL MAT AFTER TOPSOIL IS PLACED AND SEEDING IS COMPLETE.
4. INSTALL TURF REINFORCEMENT MAT, IF REQUIRED, IN CONJUNCTION WITH PLACEMENT OF TOPSOIL, FOLLOWED BY EROSION CONTROL MAT INSTALLATION.
5. INSTALL EROSION MAT SO THAT IT BEARS COMPLETELY ON THE SOIL SURFACE.
6. USE STAPLES THAT ARE AT LEAST 6 INCHES LONG.

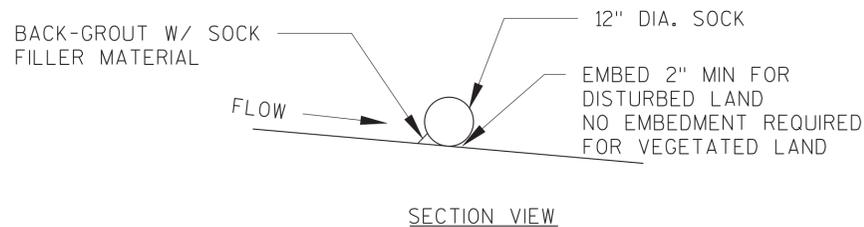
B **CLASS I CHANNEL EROSION MAT**
45 NOT TO SCALE



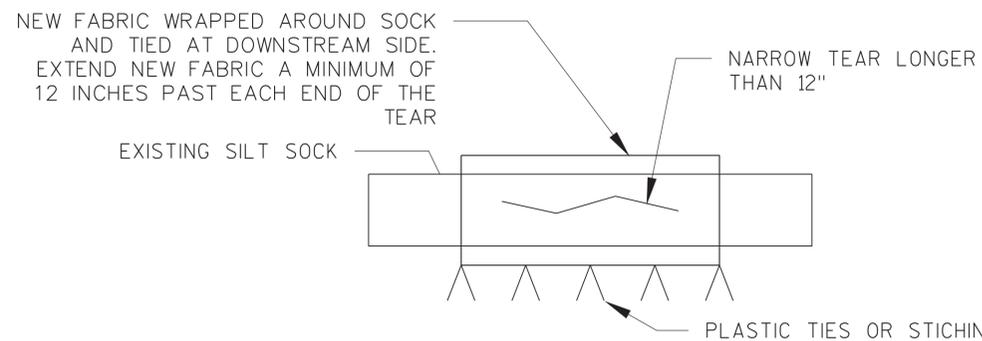
**PLAN VIEW - FLOW 45 TO 90 DEG.
TO EROSION LOG**



**PLAN VIEW - FLOW LESS THAN 45 DEG.
TO EROSION LOG**

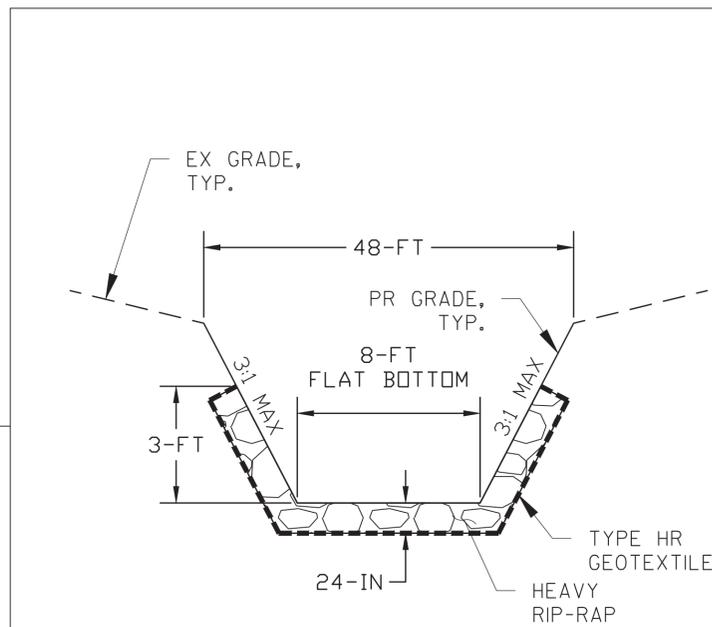


SECTION VIEW



**REPAIR DETAIL - TEAR GREATER
THAN 12 INCHES**

C **EROSION LOG INSTALLATION DETAIL**
45 NOT TO SCALE



D **DRAINAGE WAY TYPICAL SECTION**
45 NOT TO SCALE

NOTES:

1. LOG MATERIAL PER WISDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST, TEMPORARY DITCH CHECKS. LOG FILLER TO BE COMPOST OR WOOD CHIPS (2" MAX.) MEETING WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS #1071.
2. WHEN LOG IS USED ON A PAVED SURFACE CONCRETE BLOCKS SHALL BE USED TO SECURE LOG IN PLACE
3. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM BEHIND LOG WHEN IT HAS REACHED A HEIGHT EQUAL TO HALF OF THE LOG HEIGHT.
4. SMALL HOLES OR RIPS LESS THAN 12" LONG MAY BE STITCHED CLOSED USING PLASTIC ZIP TIES. LARGER RIPS SHALL BE FIXED PER THE REPAIR DETAIL. HEAVILY DAMAGED SECTIONS SHALL BE REPLACED ENTIRELY. MAINTAIN A 2' MINIMUM OVERLAP AT EACH END.
5. INSTALL LOG SIZE THAT IS IDENTIFIED IN THE PROJECT SPECIFICATIONS.

CLIENT



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KEY PLAN

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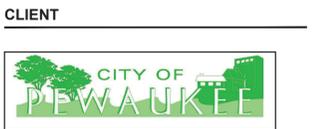
60339891

SHEET TITLE

DETAILS 3

SHEET NUMBER

45



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SHEET TITLE
 DETAILS 4

SHEET NUMBER
 46

CONSTRUCTION SEQUENCE:

1. INSTALL ALL NECESSARY EROSION CONTROL MEASURES PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. SAW CUT THE EXISTING PAVEMENT AND BEGIN REMOVING EXISTING ASPHALT, BASE MATERIAL, AND CULVERTS. CONTRACTOR TO DISPOSE OF OFF SITE AT COST TO CONTRACTOR.
3. PERFORM PROOF ROLL PER SECTION 31 23 00 OF THE PROJECT MANUAL
4. EXCAVATE AND REMOVE SOFT MATERIAL AND PLACE GEOGRID AND FILL WITH 8" OF 3" T.B. AND 4" OF 1 1/4" T.B. FOR DEPTHS GREATER THAN 2' CONTACT THE CITY.
5. BEGIN GRADING OF DITCHES AND DRAINAGE WAY AS INDICATED ON THE PLANS.
6. INSTALL PROPOSED CULVERTS AS INDICATED IN THE PLANS.
7. INSTALL BASE COURSE AND ASPHALT PER DETAIL C/41.
8. REPAVE ASPHALT AND CONCRETE DRIVEWAYS AS NEEDED PER CITY OF PEWAUKEE TECHNICAL STANDARDS. CULVERTS NOTED ON THE PLANS SHALL INCLUDE ASPHALT RUN DOWNS PER DETAIL B/41.
9. INSTALL EROSION CONTROL MEASURES AS INDICATED ON THE EROSION CONTROL SHEETS ONCE CULVERTS ARE IN AND DITCHES ARE GRADED.
10. FINE GRADE, ADD MINIMUM OF 6" OF TOPSOIL, SEED, AND CLASS I, URBAN, TYPE B OR CLASS III, TYPE B EROSION MAT AS INDICATED ON THE EROSION CONTROL SHEETS.
11. MAINTAIN AND WATER VEGETATION UNTIL 70% PERMANENT VEGETATIVE COVER IS OBTAINED AND STABILIZATION IS APPROVED BY CITY.
12. REMOVE EROSION LOGS, AND OTHER TEMPORARY EROSION CONTROL MEASURES AFTER STABILIZATION IS APPROVED BY CITY OF PEWAUKEE.

SEEDING SPECIFICATIONS:

TEMPORARY:

1. USE ANNUAL OATS AT 3.0 LB/1,000 SF FOR SPRING AND SUMMER SEEDING.
2. USE WINTER WHEAT OR WINTER RYE AT 3.0 LB/1,000 SF FOR FALL SEEDING AFTER SEPTEMBER 15.

PERMANENT:

1. TURF GRASS SEED MIX: USE REINDERS INC DELUXE 50 SEED MIX AT 125 LB/ACRE OF AREA.
2. LOW MOW SEED MIX: USE REINDERS INC NO MOW/LOW MOW SEED MIX AT 125 LB/ACRE OF AREA.

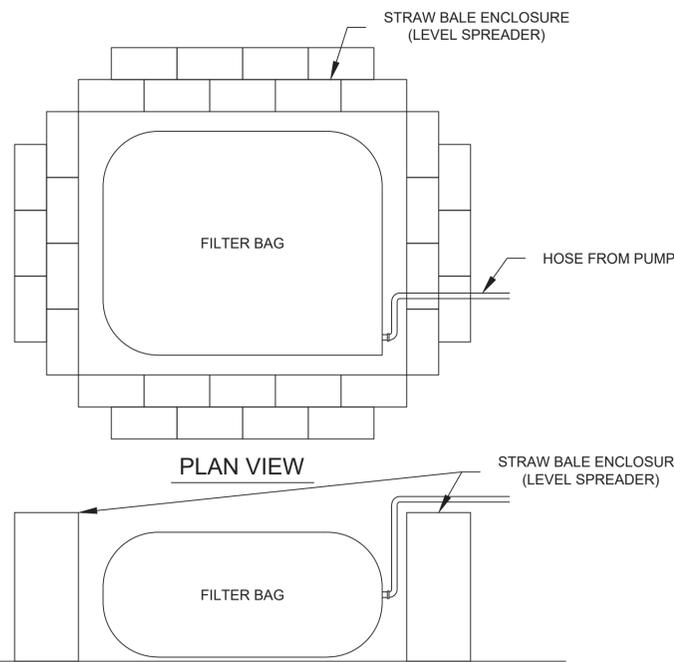
FERTILIZING SPECIFICATIONS:

TEMPORARY AND PERMANENT:

1. USE WISDOT "SOWING METHOD" TYPE A OR B AT 7 LB/1,000 SF

TABLE 1: PROPERTIES FOR GEOTEXTILE BAGS

PROPERTY	TEST METHOD	TYPE I VALUE	TYPE II VALUE
MAXIMUM APPARENT OPENING SIZE	ASTM D-4751	0.212 MM	0.212 MM
GRID TENSILE STRENGTH	ASTMD-4632	300 LBS.	300 LBS.
MULLEN BURNT	ASTM D-3766	350 PSI	350 PSI
PERMEABILITY	ASTM D-4481	0.28 CM/SEC	0.2 CM/SEC
FABRIC	NOMINAL REPRESENTATIVE WEIGHT	8 OZ.	12 OZ.



ELEVATION PLAN

NOTES:

1. ALL PUMPED EFFLUENT FROM DEWATERING OPERATIONS (TRENCH OR OTHERWISE) SHALL BE DISCHARGED TO A GEOTEXTILE FILTER BAG CONFORMING TO WDNR CONSERVATION PRACTICE STANDARD 1061.
2. THE GEOTEXTILE FILTER BAG SHALL BE PLACED ON VEGETATED/STABILIZED GROUND AND DISCHARGED TO A SEDIMENT BASIN OR TRAP. SHOULD NO BASIN EXIST, THE GEOTEXTILE BAG SHALL BE PLACED ON FILTER FABRIC AND SURROUNDED BY A SEDIMENT BALE BARRIER CONFORMING TO CONSERVATION PRACTICE STANDARD 1055. THE FILTER FABRIC SHALL BE BROUGHT UP THE SIDES AND OVER THE TOP OF THE HAY BALES AND SECURED.
3. DISCHARGE SHALL NOT BE ALLOWED TO FLOW OVER UNPROTECTED GROUND.
4. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS PRIOR TO SEDIMENT REMOVAL.
5. CLAMP PUMP DISCHARGE HOSE SECURELY INTO FILTER BAG
6. LIMIT PUMPING RATE TO 1/2 THE MANUFACTURES MAXIMUM PUMPING RATE.
7. WHEN SEDIMENTS FILL 1/2 THE VOLUME OF THE FILTER BAG, IMMEDIATELY REMOVE THAT BAG FROM SERVICE, PROPERLY DISPOSE OF SPENT BAGS WITH THEIR SEDIMENTS.

A
46 **DEWATERING USING SEDIMENT FILTER BAG**
 NOT TO SCALE

GRADING AND EROSION CONTROL NOTES

1. CONTRACTOR SHALL POST WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) PERMIT ON SITE. CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE CITY OF PEWAUKEE AND WDNR PERMIT REQUIREMENTS. SEE DETAILS FOR MINIMUM EROSION CONTROL MEASURES AND REFERENCES TO APPLICABLE WDNR TECHNICAL STANDARDS. CONTRACTOR SHALL DOWNLOAD APPLICABLE TECHNICAL STANDARDS FROM <https://dnr.wisconsin.gov/topic/Stormwater/standards> AND THE WISCONSIN CONSTRUCTION SITE EROSION CONTROL FIELD GUIDE FROM <https://dnr.wi.gov/topic/stormWater/documents/WlconstECfieldGuide.pdf> AND KEEP AVAILABLE ON THE JOB SITE UNTIL FINAL STABILIZATION.
2. FOLLOW CONSTRUCTION SEQUENCE NOTED ON THIS PAGE UNLESS OTHERWISE DIRECTED IN THE FIELD BY THE OWNER, OWNER'S REPRESENTATIVE OR WDNR REPRESENTATIVES.
3. CONTRACTOR IS REQUIRED TO CONDUCT AND RECORD A MINIMUM OF WEEKLY EROSION CONTROL INSPECTIONS AND WITHIN 24 HOURS OF RAINFALLS OVER 0.5 INCHES. ALL MAINTENANCE SHALL BE CONDUCTED WITHIN 24 HOURS. RECORDS OF INSPECTIONS AND MAINTENANCE SHALL BE KEPT ON SITE AND MADE AVAILABLE UPON REQUEST.
4. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES SHOWN ARE THE MINIMUM PRECAUTIONS REQUIRED. ADDITIONAL MEASURES, AS REQUESTED BY OWNER, OWNER'S REPRESENTATIVE AND/OR WDNR REPRESENTATIVES SHALL BE INSTALLED/REPAIRED WITHIN 24 HOURS.
5. INSTALL TRACKOUT CONTROL PER WDNR TRACKOUT CONTROL PRACTICES #1057 AND PERIMETER CONTROLS PRIOR TO ANY LAND-DISTURBING ACTIVITIES. CONTRACTOR SHALL REMOVE ANY SEDIMENT TRACKED ONTO ADJACENT ROADS BY MEANS OF CONTAINED STREET SWEEPING (NOT BROOMING OR FLUSHING) AT A MINIMUM OF THE END OF EACH WORK DAY OR MORE AS NEEDED.
6. LOCATION(S) OF SOIL STOCKPILES, INCLUDING TOPSOIL, STORED ON SITE SHALL BE SUBJECT TO APPROVAL OF OWNER. SILT FENCE SHALL BE PLACED ON THE DOWNSTREAM SIDES OF THE STOCKPILE. SOIL STOCKPILES STORED FOR MORE THAN 7 CONSECUTIVE DAYS SHALL BE TEMPORARILY STABILIZED (E.G. TEMPORARY SEEDING, MULCHING, TARPING, EROSION MATTING, ETC).
7. DEWATERING – FOLLOW WDNR TECHNICAL STANDARD DEWATERING #1061 AND THE CITY OF PEWAUKEE TECHNICAL STANDARDS. NOTIFY WDNR IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF SOIL AND/OR GROUNDWATER CONTAMINATION, OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (70 GPM OR MORE). DEWATER ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN APPROVED. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. ALL PUMPED EFFLUENT FROM DEWATERING OPERATIONS (TRENCH DEWATERING OR OTHERWISE) SHALL BE DISCHARGED TO A GEOTEXTILE FILTER BAG. THE GEOTEXTILE BAG SHALL BE PLACED ON VEGETATED/STABILIZED GROUND AND DISCHARGE TO A SEDIMENT BASIN OR TRAP. SHOULD NO BASIN EXIST, THE GEOTEXTILE BAG SHALL BE PLACED ON TYPE R GEOTEXTILE FABRIC AND SURROUNDED BY A SEDIMENT BALE BARRIER CONFORMING TO WDNR TECHNICAL STANDARD SEDIMENT BALE BARRIER #1055. THE TYPE R GEOTEXTILE FABRIC SHALL BE BROUGHT UP THE SIDES AND OVER THE TOP OF THE SEDIMENT BALES AND SECURED. DISCHARGE SHALL NOT BE ALLOWED TO FLOW OVER UNPROTECTED GROUND. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS PRIOR TO SEDIMENT REMOVAL.
8. SEED, FERTILIZER, AND EROSION MAT SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS LEFT INACTIVE FOR 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH.
9. NON-CANNELIZED DISTURBED LAND AREAS: PROVIDE CLASS I, URBAN, TYPE B EROSION CONTROL MATTING AND INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CANNEL EROSION MAT #1052 IMMEDIATELY FOLLOWING FINAL GRADING, PREPARATION, AND SEEDING.
10. CHANNELIZED DISTURBED LAND AREAS: PROVIDE CLASS I, URBAN, TYPE B, CLASS III OR TYPE C EROSION CONTROL MATTING AS SHOWN ON THE PLANS OR DIRECTED IN THE FIELD AND INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053 IMMEDIATELY FOLLOWING FINAL GRADING, PREPARATION, AND SEEDING.
11. DUST CONTROL: FOLLOW WDNR TECHNICAL STANDARD DUST CONTROL #1068 TO MINIMIZE EXCESSIVE DUST BY SPRINKLING WATER, APPLYING TACKIFIERS, OR APPLYING SOIL STABILIZERS AS NECESSARY.



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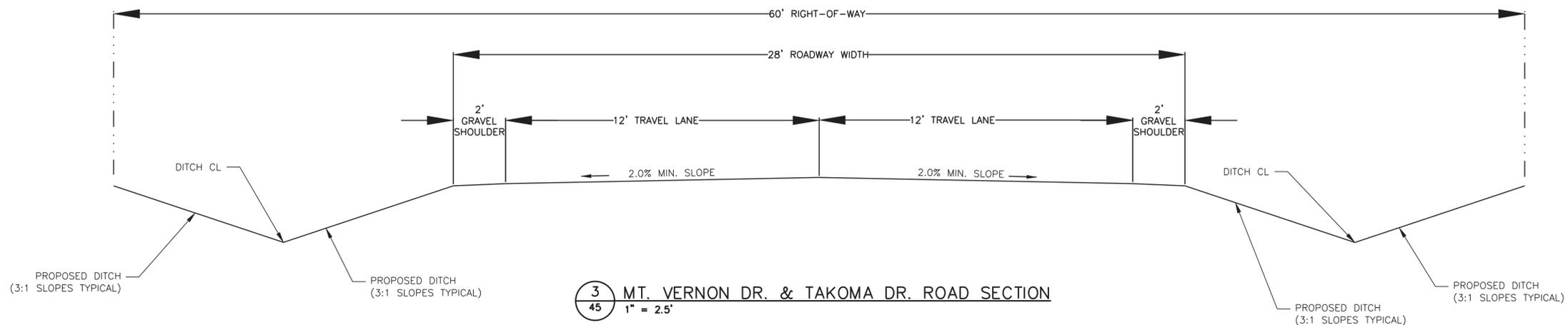
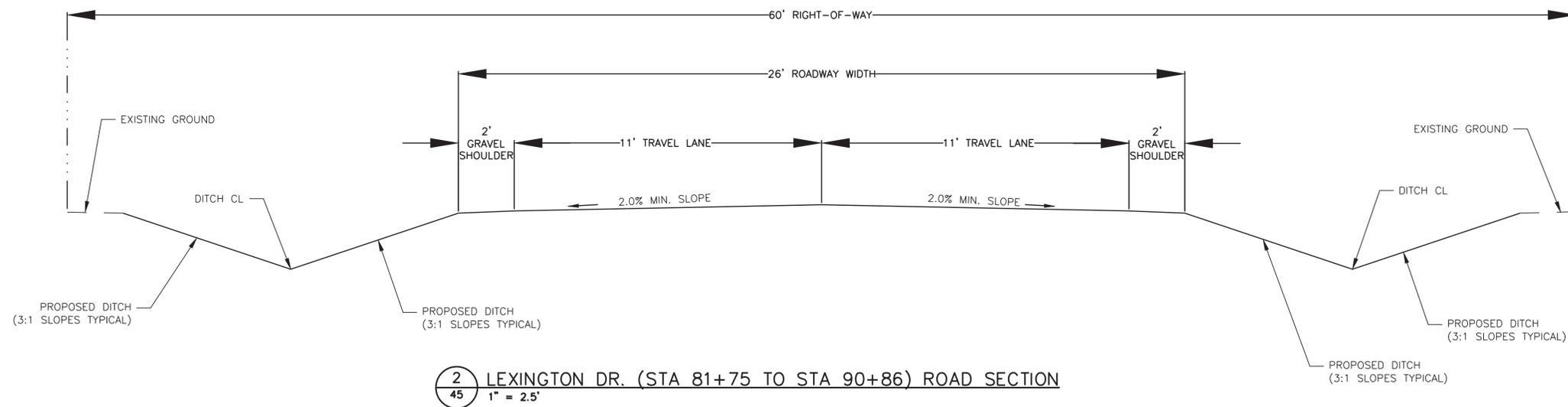
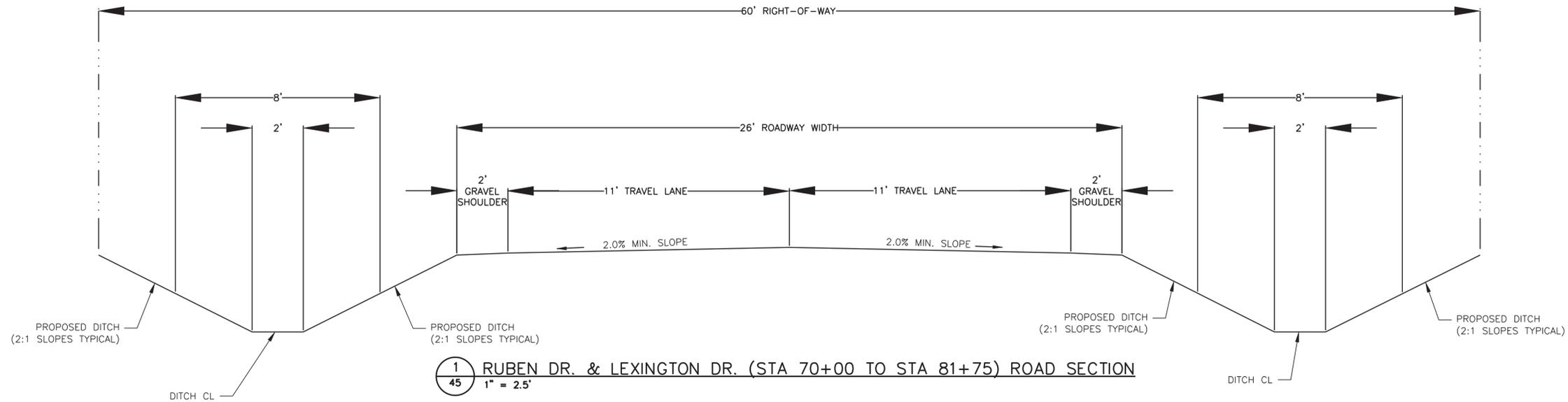
AECOM
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I/R	DATE	DESCRIPTION
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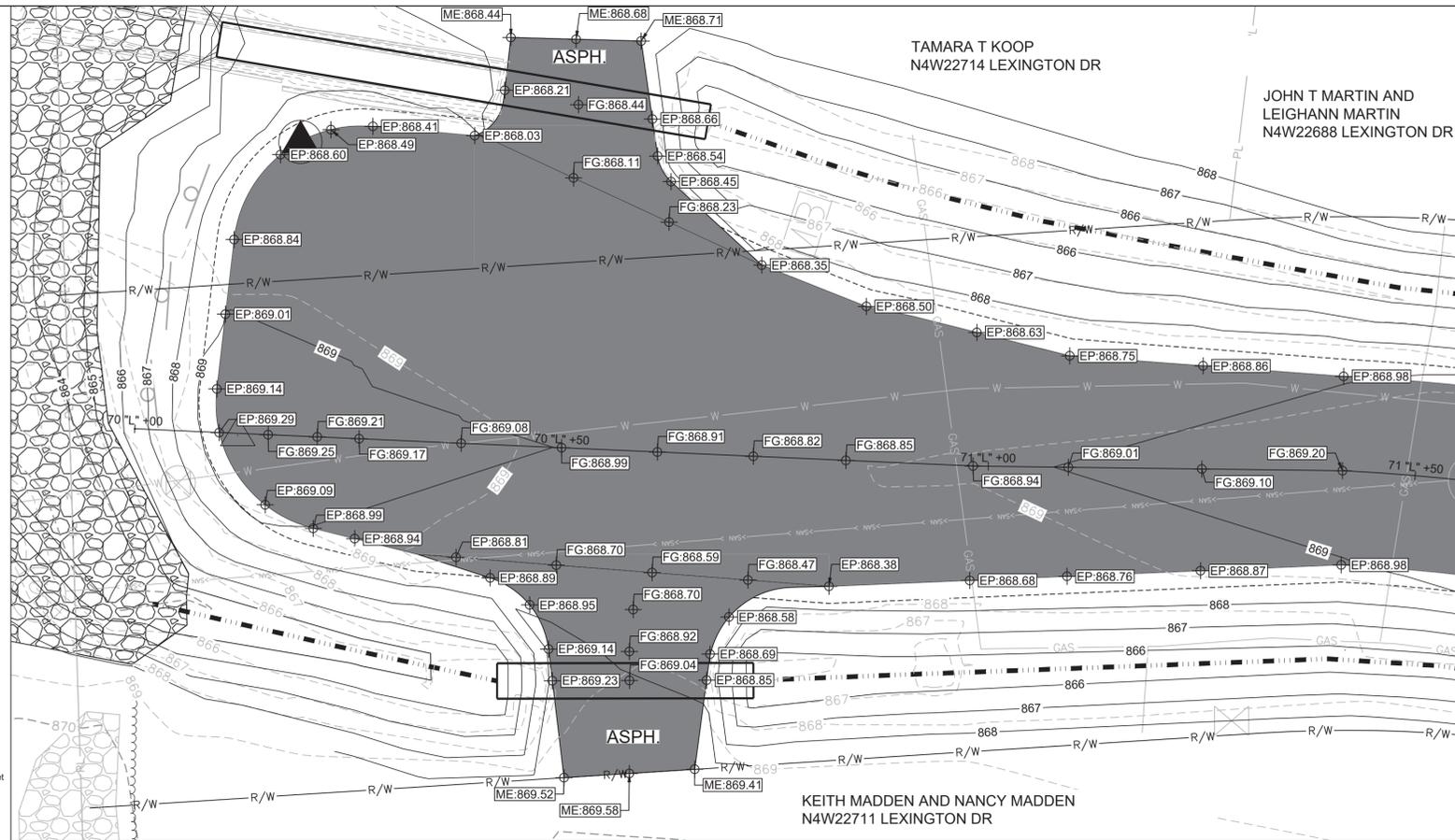
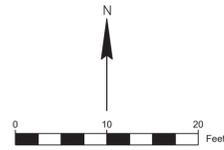
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TYPICAL SECTIONS
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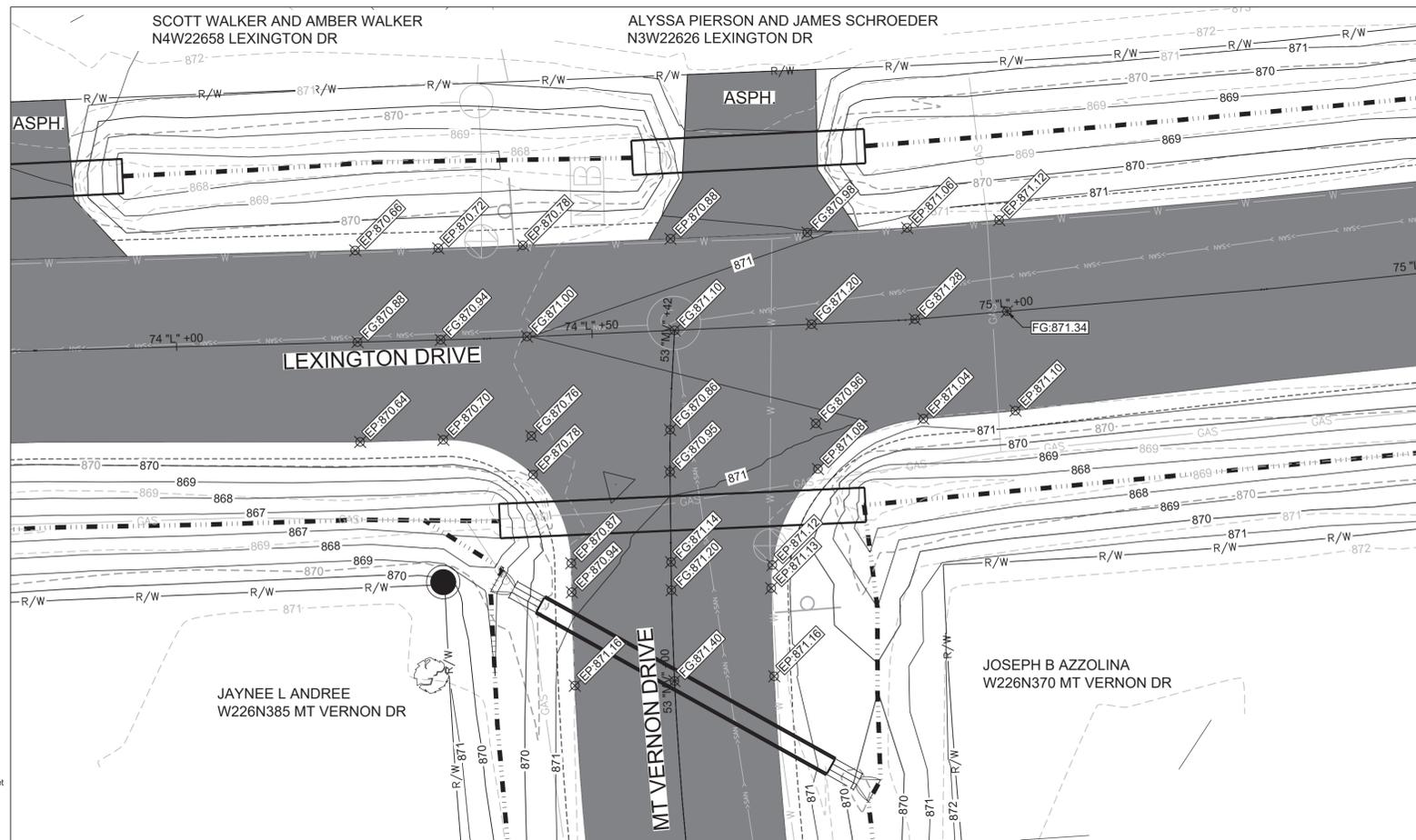
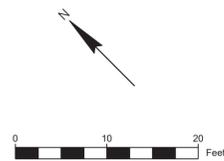
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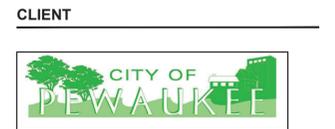
LEXINGTON CUL-DE-SAC AND RESIDENTIAL DRIVEWAYS DETAILED GRADING



MT VERNON AND LEXINGTON INTERSECTION DETAILED GRADING



PROJECT
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 RECONSTRUCTION
 PHASE I



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REGISTRATION

ISSUE/REVISION

I/R	DATE	DESCRIPTION
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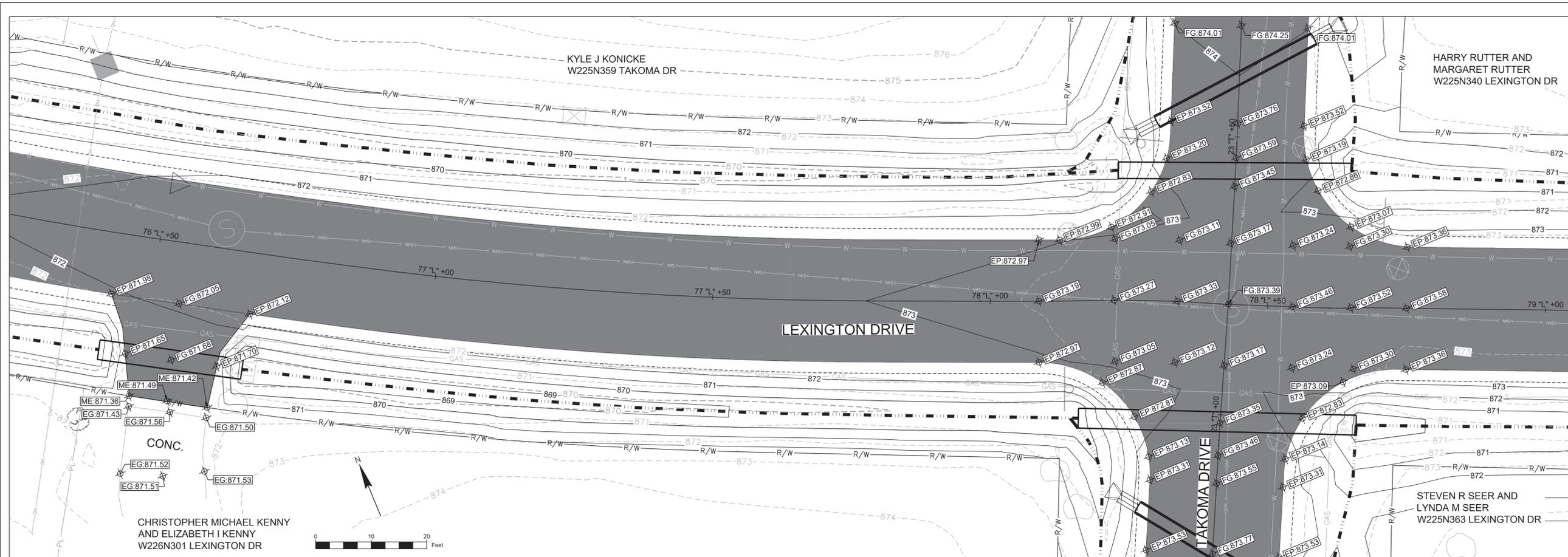
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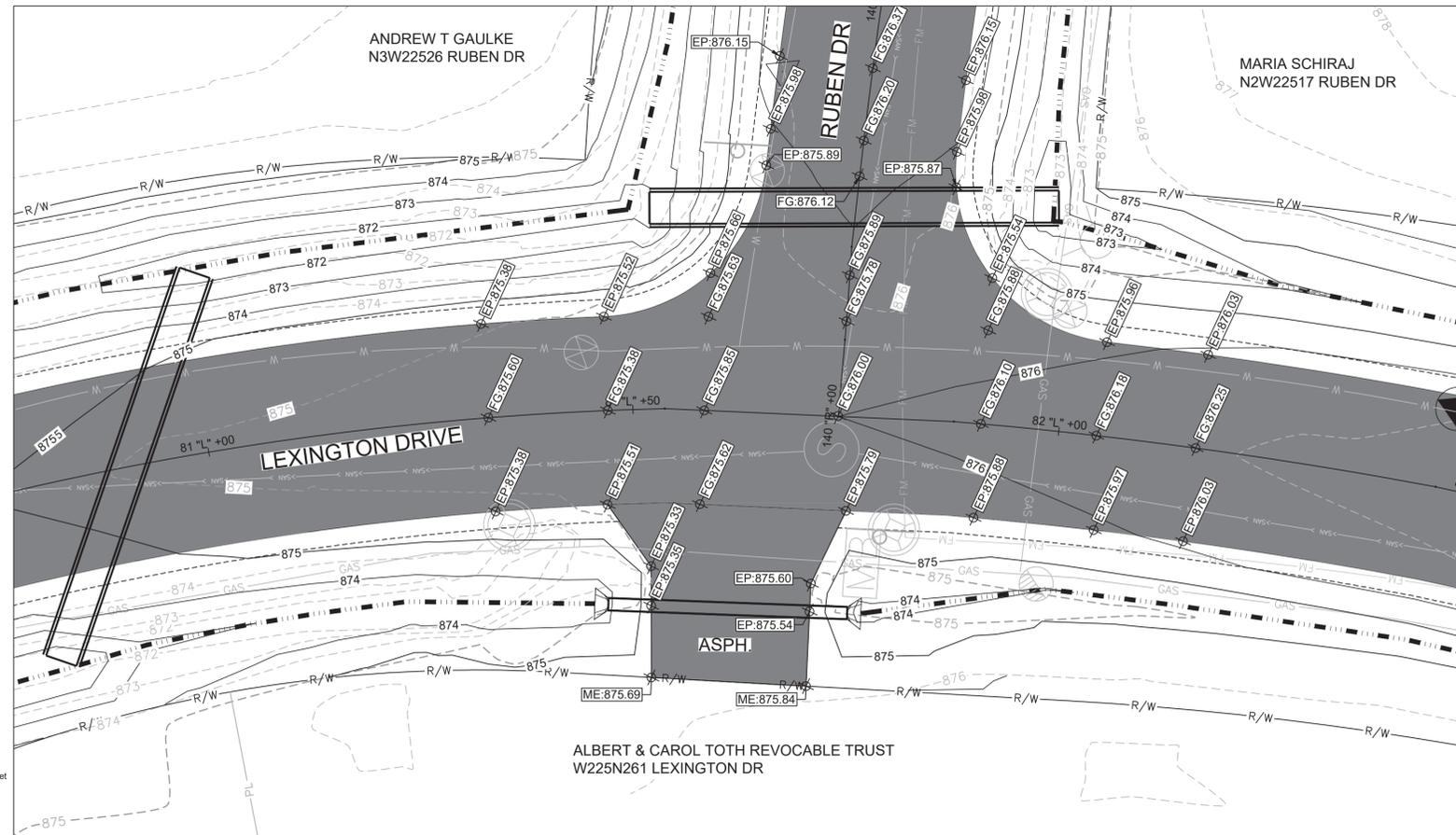
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TAKOMA AND LEXINGTON INTERSECTION AND RESIDENTIAL DRIVEWAY DETAILED GRADING



RUBEN AND LEXINGTON INTERSECTION AND RESIDENTIAL DRIVEWAY DETAILED GRADING



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REGISTRATION

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1	02/01/24	ADDENDUM 1

KEY PLAN

PROJECT NUMBER

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SHEET TITLE

DETAILED GRADING 2

SHEET NUMBER

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