

PLANS OF PROPOSED PROJECT

ELLINGSWORTH LANE AND BLANKENBAKER PARKWAY IMPROVEMENTS

ELLINGSWORTH APARTMENTS

END PROJECT
STA. 182+73.00
3712.72 N
10728.47 E

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
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R2	TYPICAL SECTIONS
R3,R5,R7,R9	PLAN SHEETS
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R15-R16	PIPE DRAINAGE SHEETS
T1-T4	TRAFFIC SIGNAL PLANS
X1-X13	CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS

STANDARD DRAWINGS	
KYTC	TITLE
SHEET	TITLE
RBI-001-09	TYPICAL GUARDRAIL INSTALLING
RBR-001-11	STEEL BEAM GUARDRAIL
RBR-010-05	GUARDRAIL TERMIN. (SECTIONS)
RDB-270-08	CURB BOX INLET TYPE A
RDH-020-03	SLOPED & FLARED HEADWALLS
RPM-100-09	CURB AND GUTTER, CURBS, & VALLEY GUTTER
MSD	TITLE
SHEET	TITLE
DC-01-01	CATCH BASIN TYPE 1
EF-03-02	STONE BAG INLET PROTECTION
EF-09-02	SILT FENCE

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY MSD'S PRIVATE DEVELOPMENT REVIEW OFFICE. EPSC'S BMP'S SHALL BE INSTALLED PER THE PLAN AND MSD STANDARDS.

DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDD AND STABILIZED.

ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.

SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND CATCH BASINS. STOCKPILES SHALL BE SEEDD, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.

ALL STREAM CROSSINGS MUST UTILIZE LOW-WATER CROSSING STRUCTURES PER MSD STANDARD DRAWING ER-02.

WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.

SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGED INTO A STREAM, POND, SWALE, OR CATCH BASIN.

KPDES NOTICE OF INTENT

THE GENERAL CONTRACTOR SHALL FILE A NOTICE OF INTENT (NOI) WITH THE KENTUCKY DIVISION OF WATER FOR COVERAGE OF STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES UNDER THE KPDES STORM WATER GENERAL PERMIT KYR10000. THE NOI MUST BE SENT TO THE FOLLOWING ADDRESS:

OPERATIONAL PERMITS SECTION
SWP BRANCH, DIVISION OF WATER
200 FAIR OAKS LANE
FRANKFORT, KY 40601
(502) 564-3410

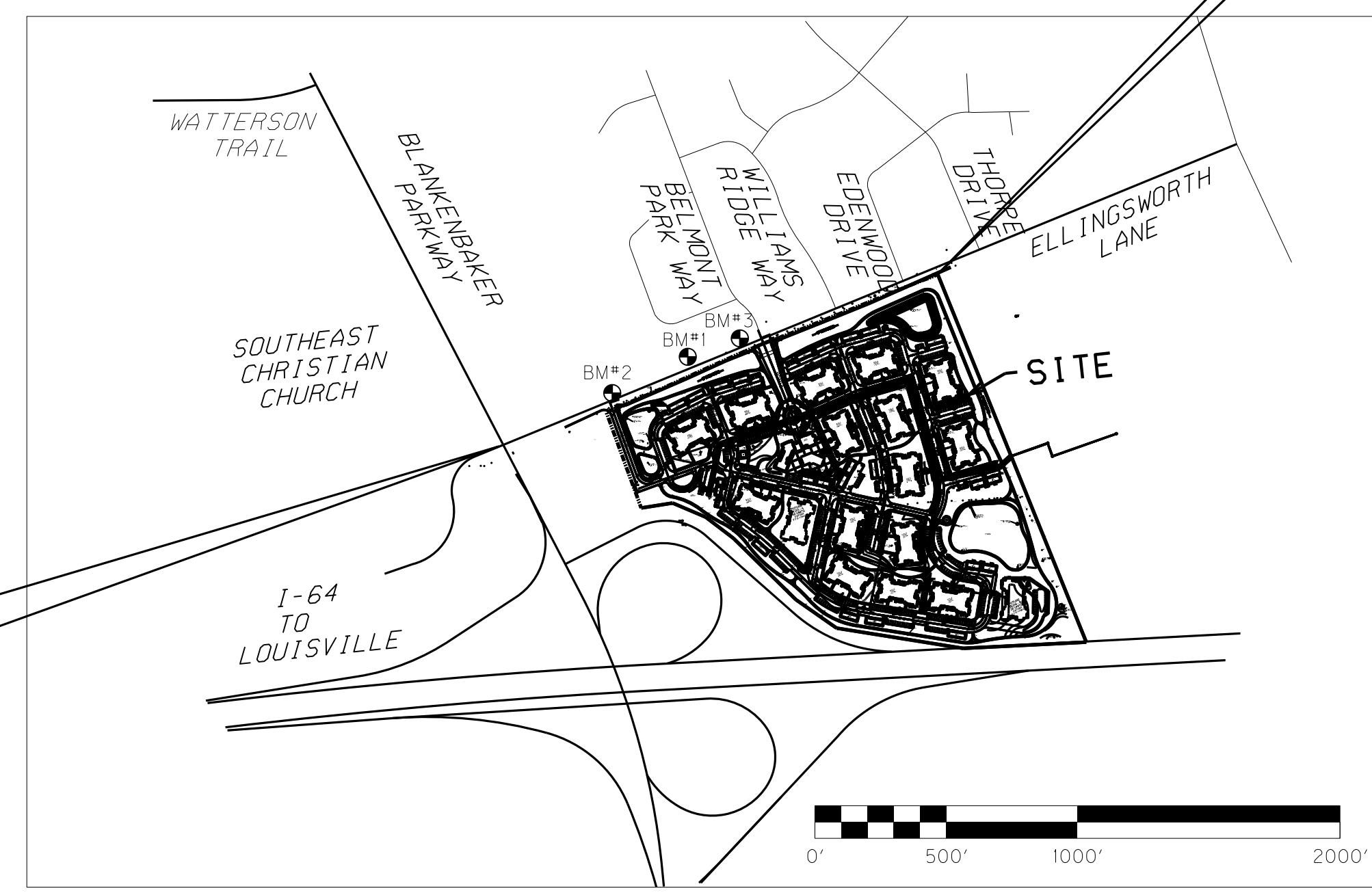
AT LEAST 30 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION RELATED ACTIVITIES OR

SUBMITTED ON-LINE AT <http://water.ky.gov> AT LEAST 7 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION RELATED ACTIVITIES.

GENERAL NOTES

FORTY EIGHT (48) HOURS PRIOR TO STARTING CONSTRUCTION A NOTICE SHALL BE GIVEN BY THE CONTRACTOR TO METRO PUBLIC WORKS SUBDIVISION INSPECTOR FOR NECESSARY INSPECTION OF UNSUITABLE MATERIAL CONSTRUCTION WORK, SUBGRADE, SUBBASE, BASE, PAVEMENT, SURFACING, ROADWAY AND CURB REPAIRS AND SIDEWALKS. CALL THE INSPECTORS DIRECTLY OR THE MAIN PUBLIC WORKS TELEPHONE NUMBER 502-574-5810.

BEGIN PROJECT
164+05.00
2993.89 N
9004.51 E



LAYOUT MAP

CAUTION

EXISTING HIGH PRESSURE GAS MAIN LOCATED IN THIS AREA AND ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON AVAILABLE RECORDS AND SHOULD BE VERIFIED IN THE FIELD AS NECESSARY. PLEASE USE EXTREME CARE AND ATTENTION WHEN EXCAVATING, BLASTING OR PERFORMING OTHER WORK IN PROXIMITY TO THE GAS MAIN. NOTIFY LOUISVILLE GAS AND ELECTRIC COMPANY 48 HOURS PRIOR TO START OF ANY SITE WORK WITHIN THE EASEMENT AREA. CONTACT LG&E (EAST SERVICE CENTER / GAS) 429-7915 OR (GAS TROUBLE DEPARTMENT) 589-5511.

UTILITY PROTECTION NOTE

ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY KENTUCKY 811 (PHONE NO. 811, WWW.KENTUCKY811.COM) FORTY-EIGHT HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES I.E. CABLES, ELECTRIC WIRES, GAS AND WATERLINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS.

MSD DOES NOT WARRANT THE DESIGN OR COMPUTATIONS CONTAINED IN THIS PLAN. THE CORRECTNESS OR ACCURACY OF ALL ENGINEERING COMPUTATIONS REMAIN THE SOLE RESPONSIBILITY OF THE APPLICANT'S DESIGN PROFESSIONAL. MSD'S APPROVAL TO PROCEED WITH CONSTRUCTION IS BASED SOLELY ON THAT DESIGN PROFESSIONAL'S SEAL AND SIGNATURE.

CONSTRUCTION SPECIFICATIONS

THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY TRANSPORTATION CABINET STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS WELL AS THE LOUISVILLE METROPOLITAN SEWER DISTRICT STANDARD SPECIFICATIONS. IN THE EVENT THAT THE TWO SPECIFICATIONS CONTRADICT ONE ANOTHER, THE KYTC SPECIFICATIONS SHALL SUPERSEDE WITH REGARD TO CONSTRUCTION ALONG BLANKENBAKER PARKWAY AND THE MSD SPECIFICATIONS SHALL SUPERSEDE WITH REGARD TO CONSTRUCTION ALONG ELLINGSWORTH LANE.

REGULATIONS NOTE

THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES, ORDINANCES, REGULATIONS AND REQUIREMENTS NECESSARY TO COMPLETE THE WORK. THIS INCLUDES PROVISIONS FOR MAINTENANCE OF TRAFFIC, CONSTRUCTION AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

DETAIL NOTES

CURB INLETS, CATCH BASINS, AND JUNCTION BOXES SHALL BE SIZED AS REQUIRED TO ACCOMMODATE THE SPECIFIED PIPE SIZE. A REINFORCED TOP SLAB MAY BE REQUIRED. JUNCTION BOXES SHALL UTILIZE STANDARD MANHOLE FRAME AND LID, GM-05-03 MARKED "STORM", WITH A MINIMUM 6" CONCRETE COLLAR.

BENCHMARK DESCRIPTION

- BM#1 - RR SPIKE IN POWER POLE 290' S.W. OF BELMONT, 32' N.W. OF PAVEMENT ELEV. 748.95
- BM#2 - 0.5" REBAR 8" NORTH OF EXISTING PAVEMENT ELEV. 745.11 N 3217.13 E 9479.57
- BM#3 - 0.5" REBAR 4" NORTH OF EXISTING PAVEMENT ELEV. 755.95 N 3425.64 E 9965.31

HORIZONTAL COORDINATES ARE BASED ON ASSUMED DATUM. TO CONVERT TO 1988 NAVD, SUBTRACT 0.98 FEET. ORIGINATING MONUMENT BC42-02



Design Services
For The Built Environment

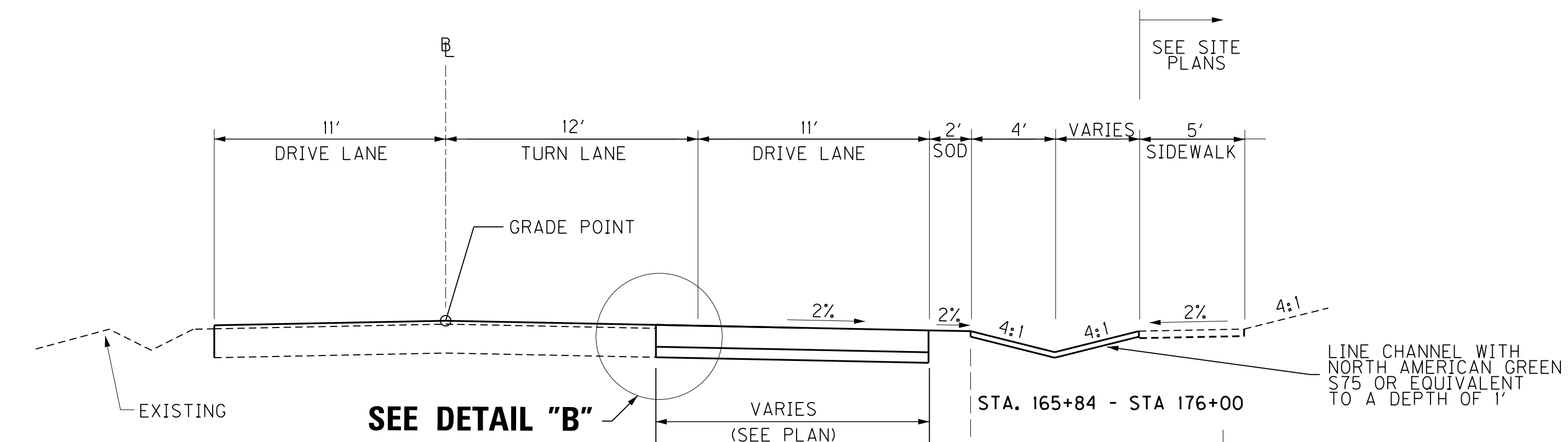
GRESHAM
SMITH AND
PARTNERS
101 South Fifth Street
Suite 1400
Louisville, Kentucky 40202
502.627.8900
www.gspnet.com

PROJECT OWNER:
ELLINGSWORTH APARTMENTS, LLC
9625 ORMSBY STATION ROAD
LOUISVILLE, KY 40223
(502) 891-8200

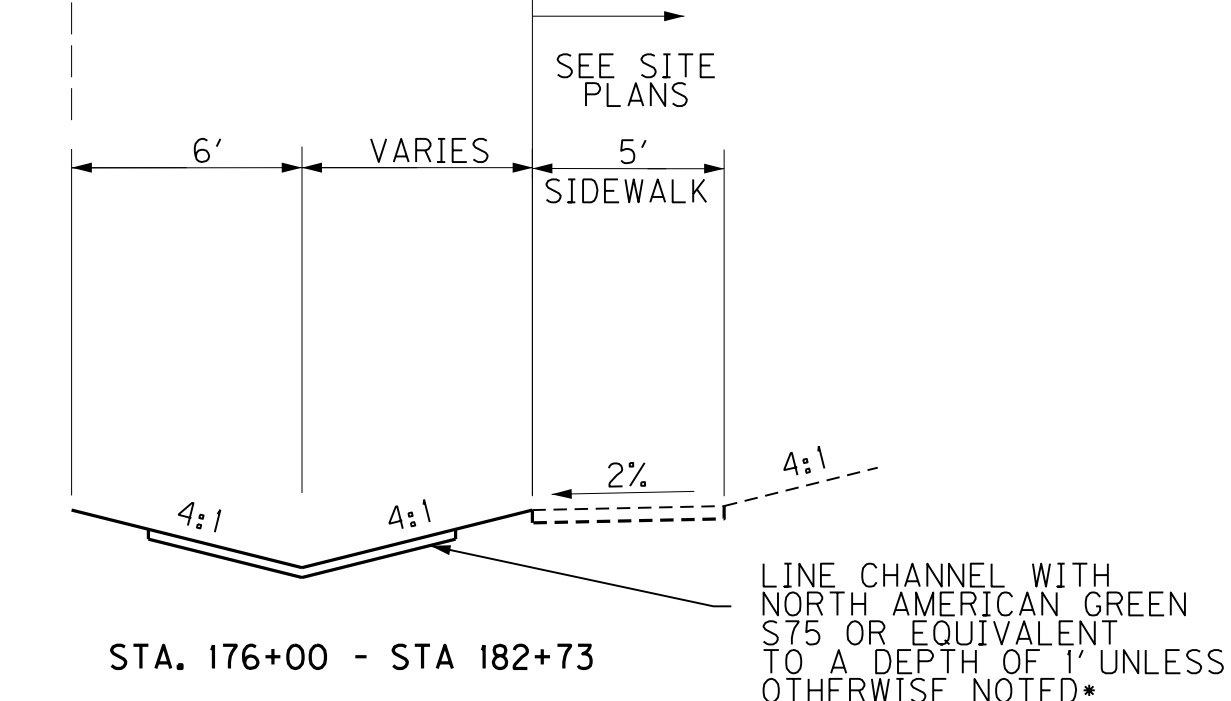
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ELLINGSWORTH APARTMENTS, LLC
9625 ORMSBY STATION ROAD
LOUISVILLE, KY 40223
(502) 891-8200

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DATE PLOTTED: July 23, 2013
E-SHEET NAME:
MicroStation v8.11.7.443

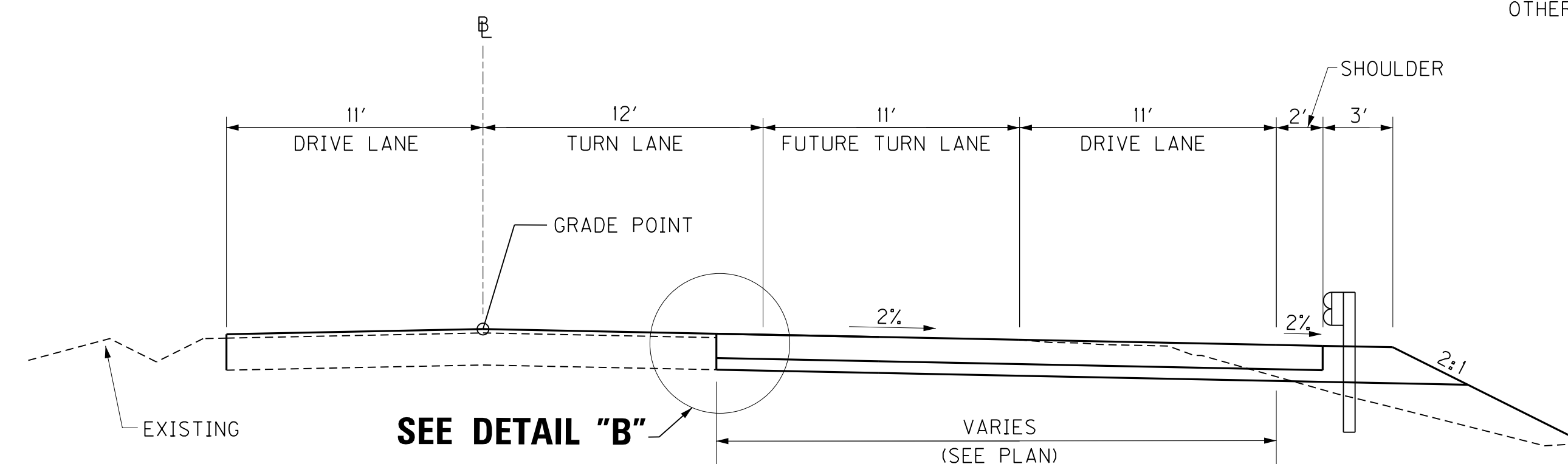
TYPICAL SECTIONS



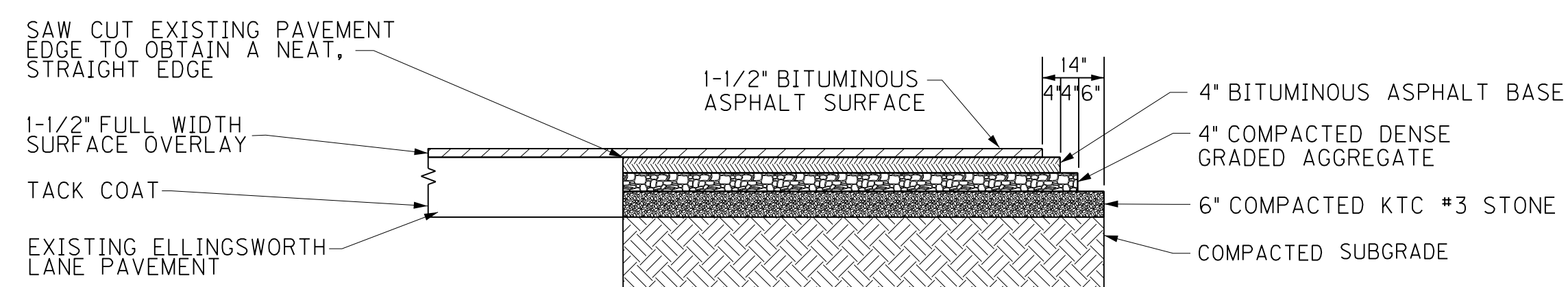
ELLINGSWORTH LANE
STA. 165+84 - STA. 182+73



• STA 178+00 TO STA 180+00, USE NORTH AMERICAN GREEN S150 OR AN EQUIVALENT TO A DEPTH OF 1'

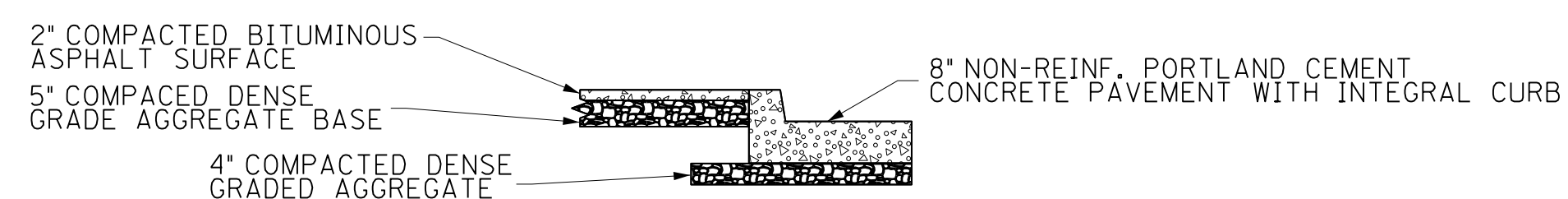


ELLINGSWORTH LANE
STA. 165+00 - STA 165+84



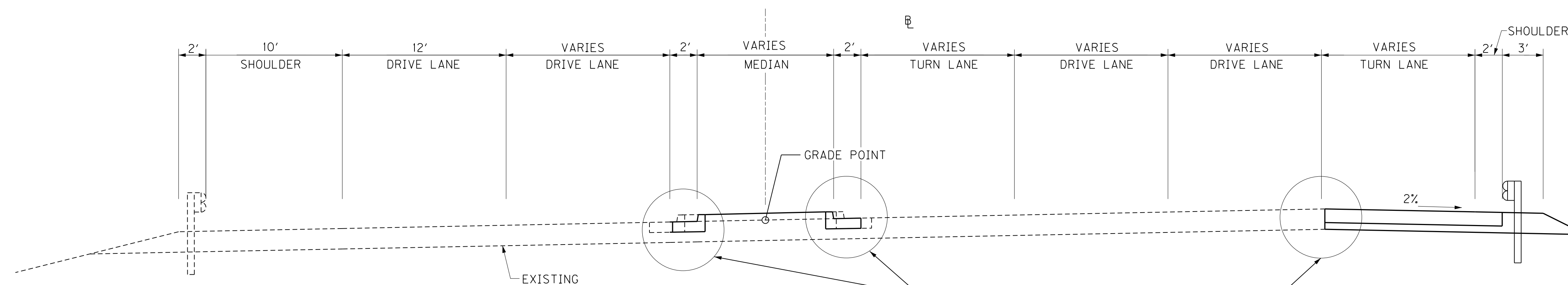
DETAIL "B"

N.T.S.



DETAIL "A"

N.T.S.



BLANKENBAKER PKWY
STA. 33+80 - STA. 35+00

CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITH THE FOLLOWING MIXTURES: 70% TALL FESCUES (3 VARIETIES MINIMUM), 10% HARD FESCUES, 10% PERENNIAL RYE, 10% DROUGHT RESISTANT BLUEGRASS, AT THE RATE OF 10 POUNDS PER 1,000 SQUARE FEET. SEED SHALL CONFORM TO ALL STATE REQUIREMENTS. FERTILIZE WITH 10 POUNDS OF 10-10-10 PER 1,000 SQUARE FEET. MULCH WITH CLEAN WHEAT OR OAT STRAW AT THE RATE OF ONE BALE PER 1,000 SQUARE FEET. SPECIFIC SEED VARIETIES SHALL BE SUBMITTED TO LANDSCAPE ARCHITECT FOR WRITTEN APPROVAL PRIOR TO CONSTRUCTION.



SCALE: 1"=5'

TYPICAL SECTIONS

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DATE PLOTTED: July 23, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

166+00

167+00

168+00

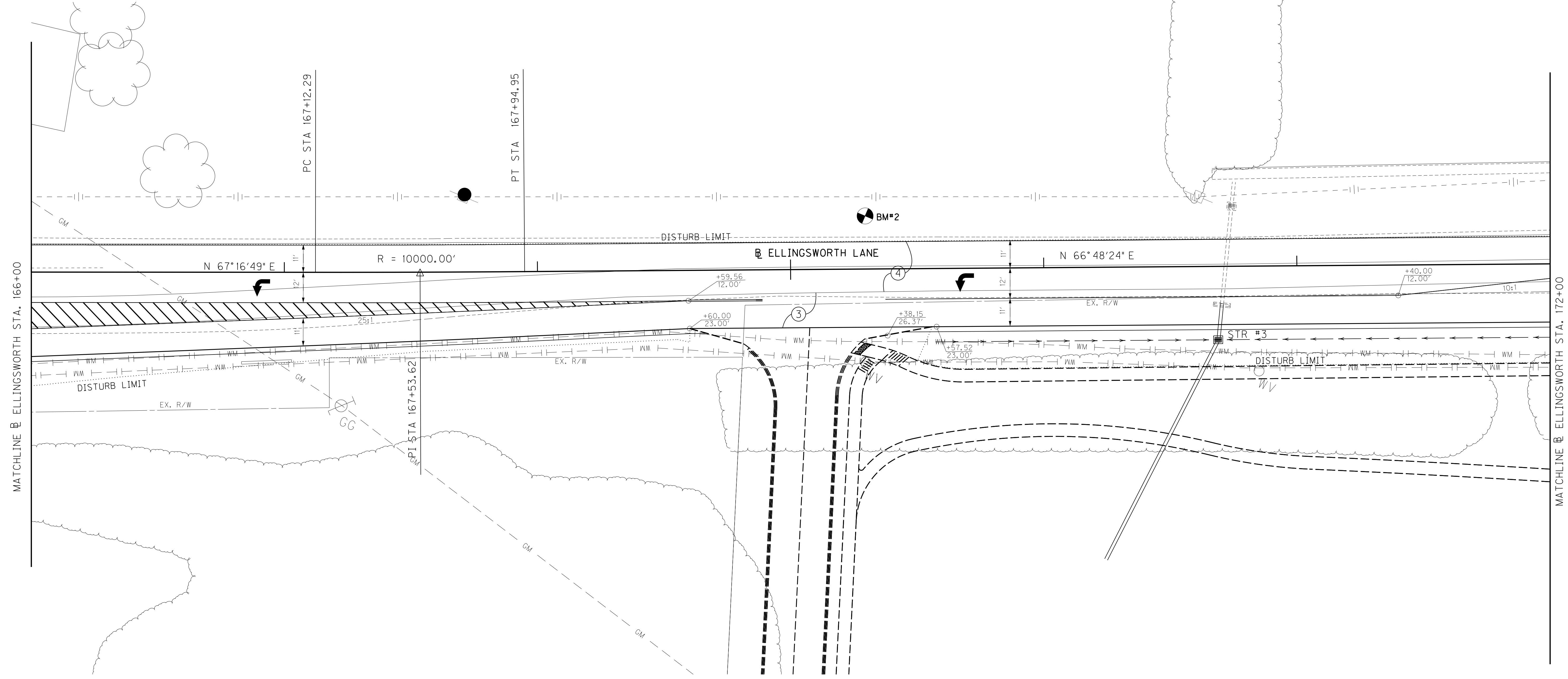
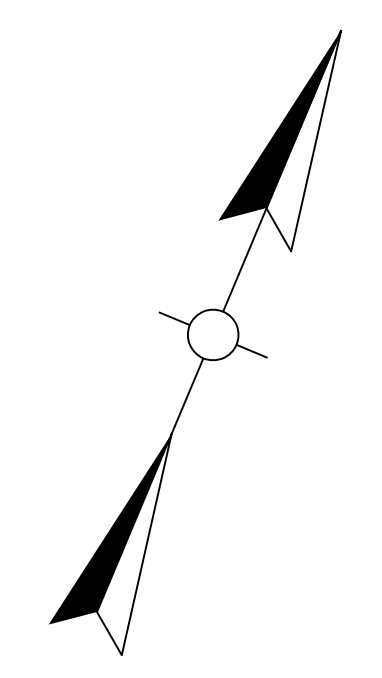
169+00

170+00

171+00

CONSTRUCTION NOTES

- ① CONSTRUCT FULL DEPTH CONCRETE PAVEMENT
(SEE TYPICAL SECTIONS FOR DETAILS)
- ② CONSTRUCT INTEGRAL CURB AND GUTTER
- ③ CONSTRUCT FULL DEPTH ASPHALT PAVEMENT
(SEE TYPICAL SECTIONS FOR DETAILS)
- ④ CONSTRUCT ASPHALT OVERLAY
(SEE TYPICAL SECTIONS FOR DETAILS)

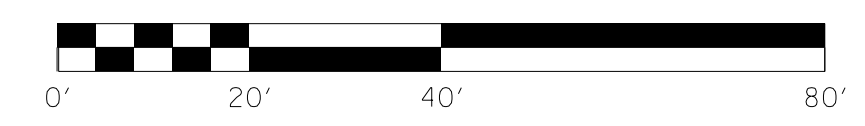


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DATE PLOTTED: July 23, 2013

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SCALE: 1"=20'

ELLINGSWORTH LANE
STA 166+00 TO 172+00

178+00

179+00

180+00

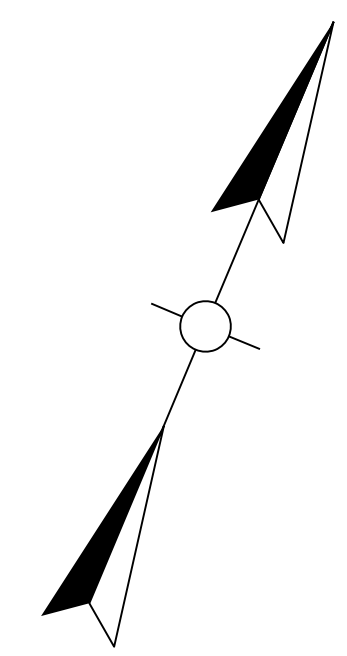
181+00

182+00

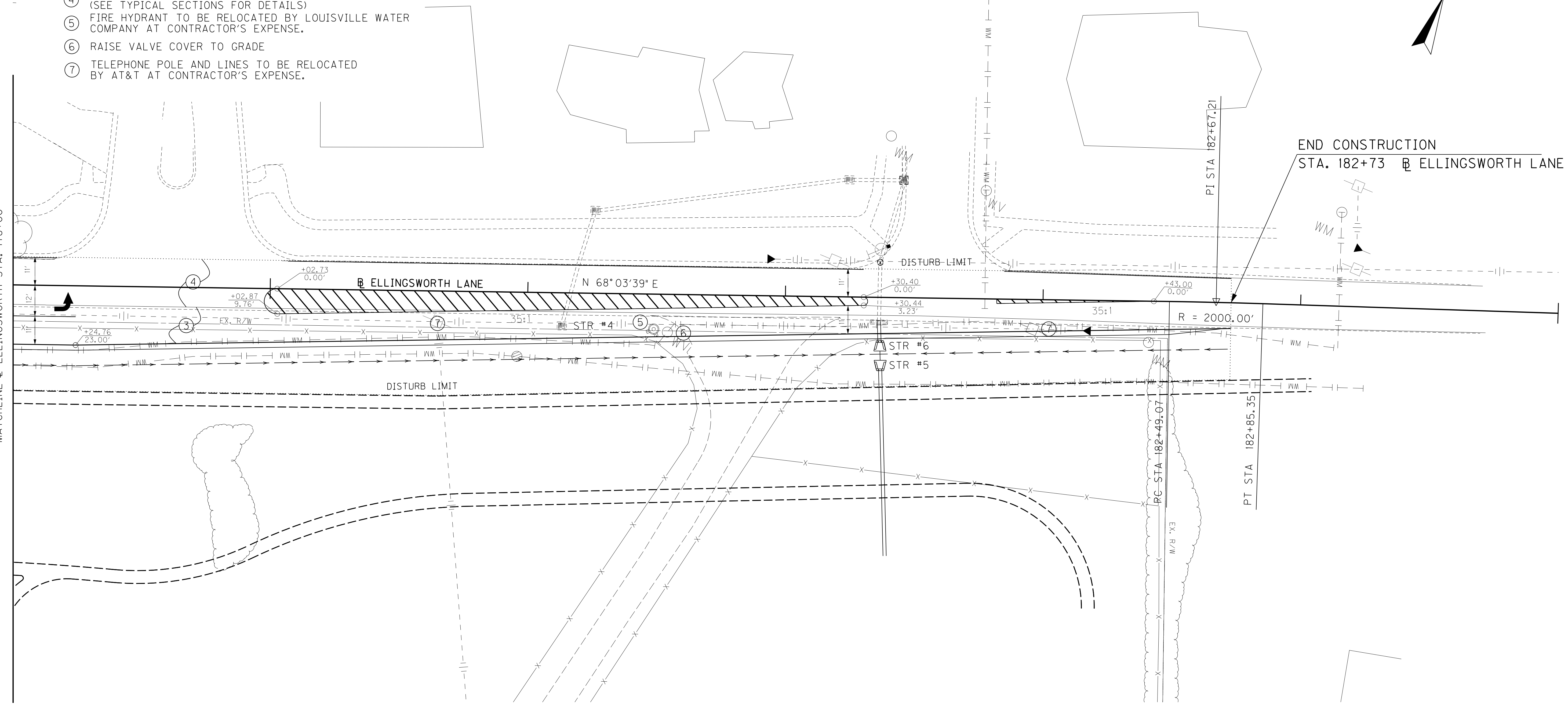
183+00

CONSTRUCTION NOTES

- ① CONSTRUCT FULL DEPTH CONCRETE PAVEMENT (SEE TYPICAL SECTIONS FOR DETAILS)
- ② CONSTRUCT INTEGRAL CURB AND GUTTER
- ③ CONSTRUCT FULL DEPTH ASPHALT PAVEMENT (SEE TYPICAL SECTIONS FOR DETAILS)
- ④ CONSTRUCT ASPHALT OVERLAY (SEE TYPICAL SECTIONS FOR DETAILS)
- ⑤ FIRE HYDRANT TO BE RELOCATED BY LOUISVILLE WATER COMPANY AT CONTRACTOR'S EXPENSE.
- ⑥ RAISE VALVE COVER TO GRADE
- ⑦ TELEPHONE POLE AND LINES TO BE RELOCATED BY AT&T AT CONTRACTOR'S EXPENSE.



MATCHLINE @ ELLINGSWORTH STA. 178+00



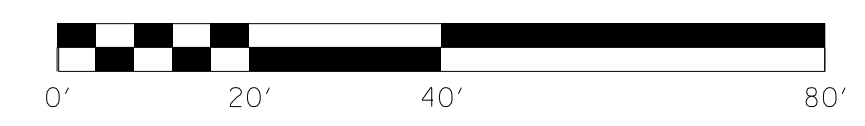
END CONSTRUCTION
STA. 182+73 @ ELLINGSWORTH LANE

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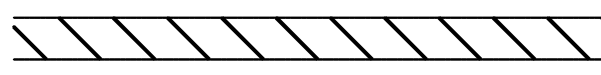




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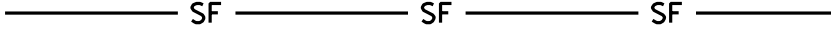

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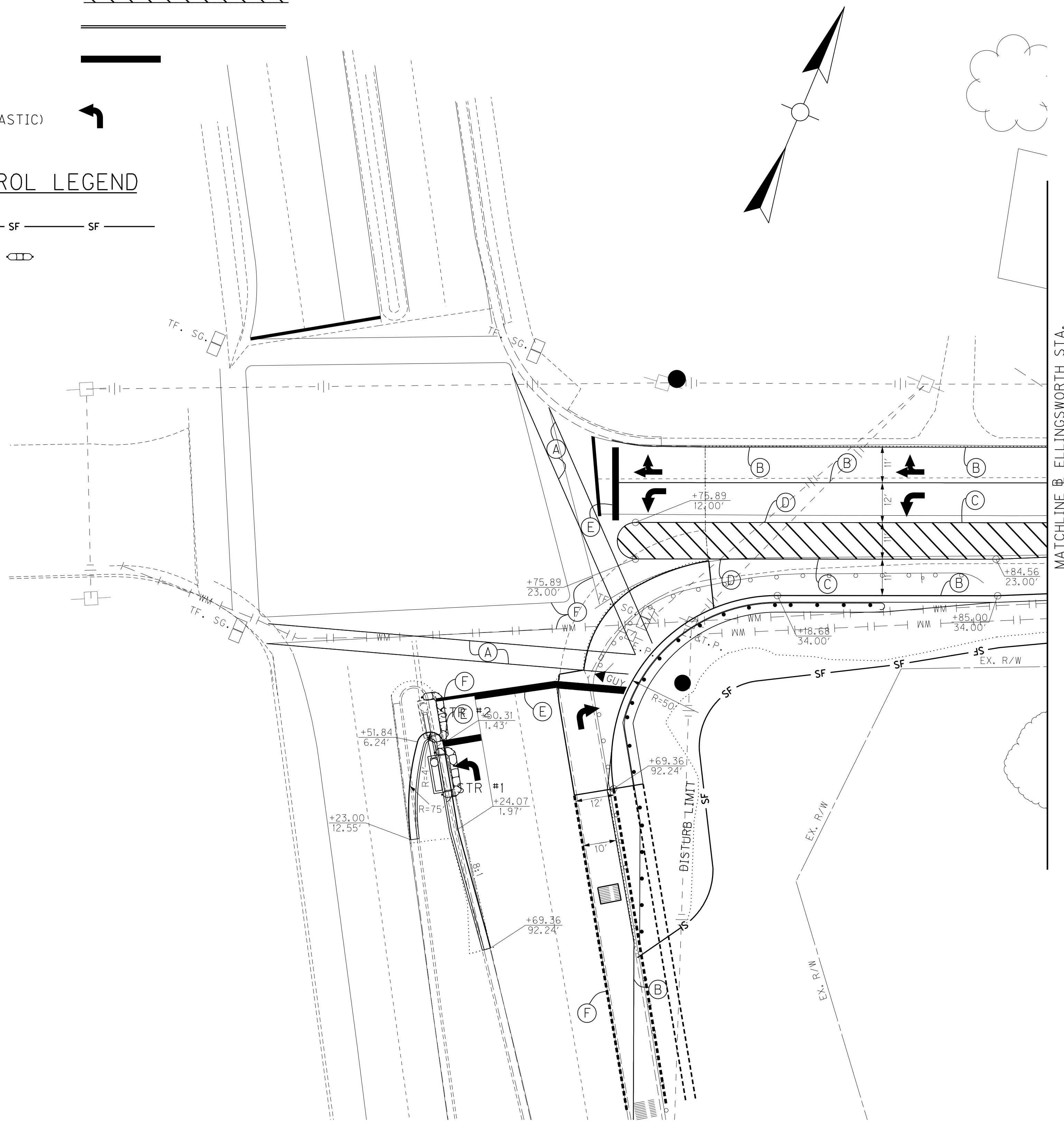
ELLINGSWORTH LANE
STA 178+00 TO 182+73

STRIPING LEGEND

- (A) 6" SOLID, WHITE CROSSWALK (THERMOPLASTIC) 
- (B) 4" SOLID, WHITE (PAINT) 
- (C) 8" SOLID, YELLOW CROSS-HATCH (PAINT) 
- (D) DOUBLE 4" SOLID, YELLOW (PAINT) 
- (E) 24" STOP BAR (THERMOPLASTIC) 
- (F) REMOVE EXISTING STRIPING 
- (G) LANE INDICATION ARROW (THERMOPLASTIC) 

EROSION CONTROL LEGEND

- SILT FENCE 
- STONE BAG INLET PROTECTION 



SCALE: 1"=20'

EROSION CONTROL AND STRIPING
 ELLINGSWORTH LANE
 STA 164+05 TO 166+00

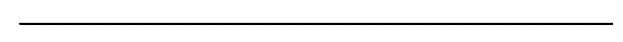

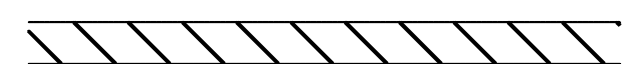




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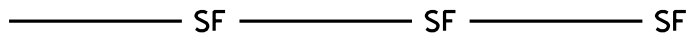

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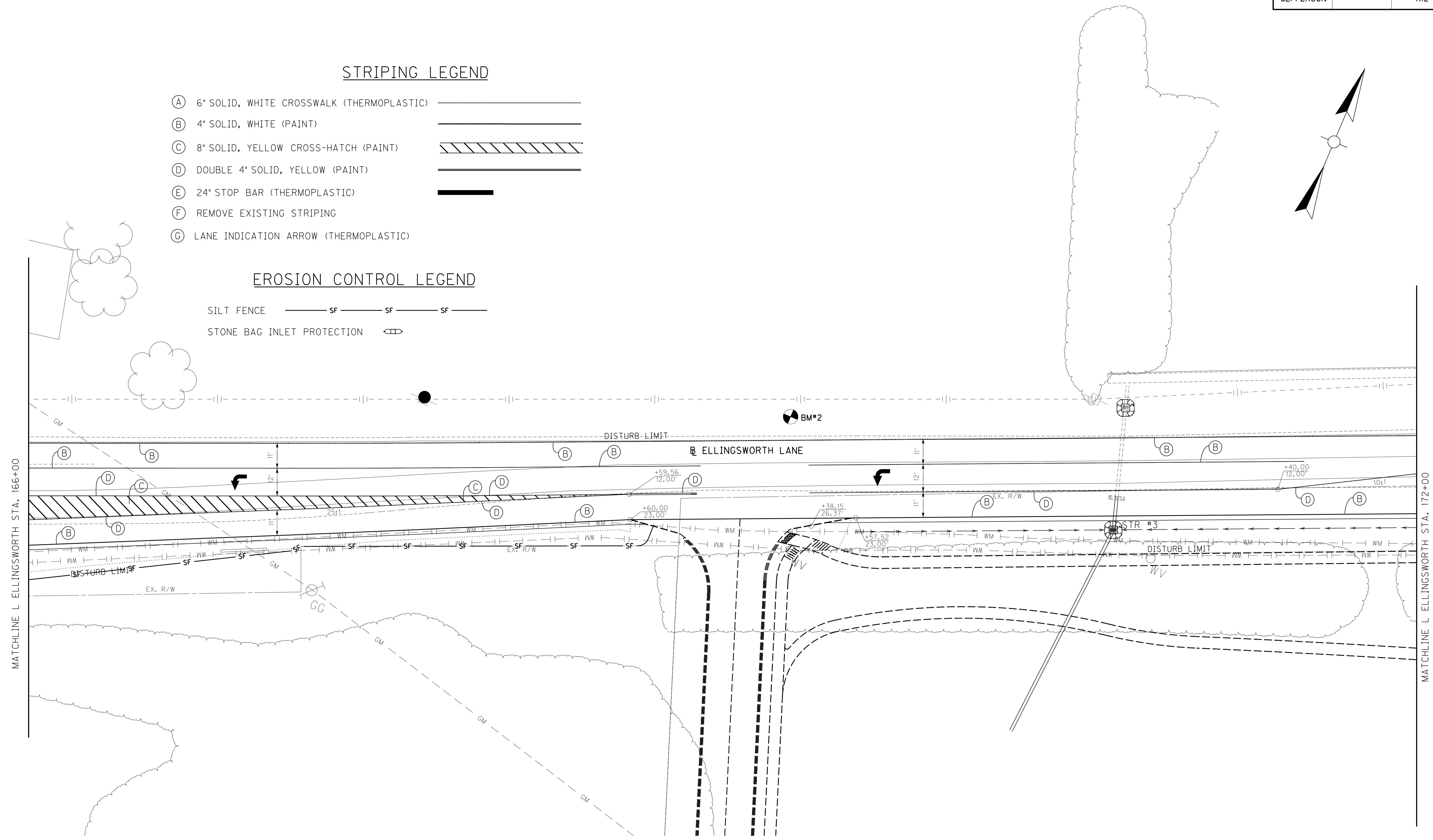
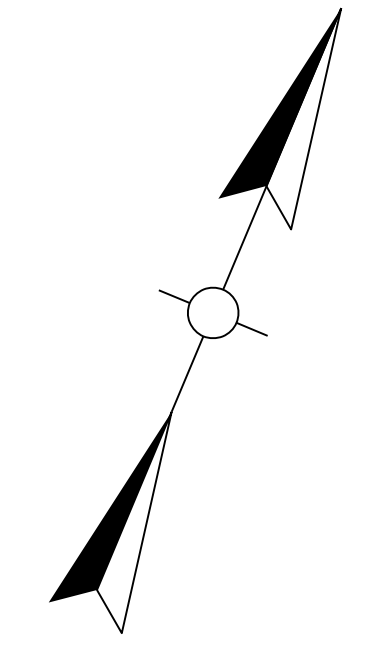
MicroStation v8.11.7.443

STRIPING LEGEND

- (A) 6" SOLID, WHITE CROSSWALK (THERMOPLASTIC) 
- (B) 4" SOLID, WHITE (PAINT) 
- (C) 8" SOLID, YELLOW CROSS-HATCH (PAINT) 
- (D) DOUBLE 4" SOLID, YELLOW (PAINT) 
- (E) 24" STOP BAR (THERMOPLASTIC) 
- (F) REMOVE EXISTING STRIPING 
- (G) LANE INDICATION ARROW (THERMOPLASTIC) 

EROSION CONTROL LEGEND

- SILT FENCE  SF
- STONE BAG INLET PROTECTION 



SCALE: 1"=20'

EROSION CONTROL AND STRIPING
ELLINGSWORTH LANE
STA 166+00 TO 172+00



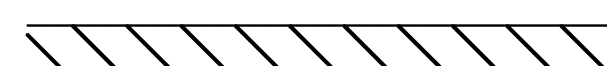
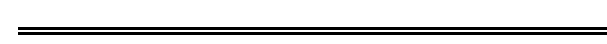



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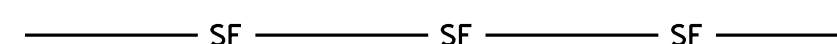

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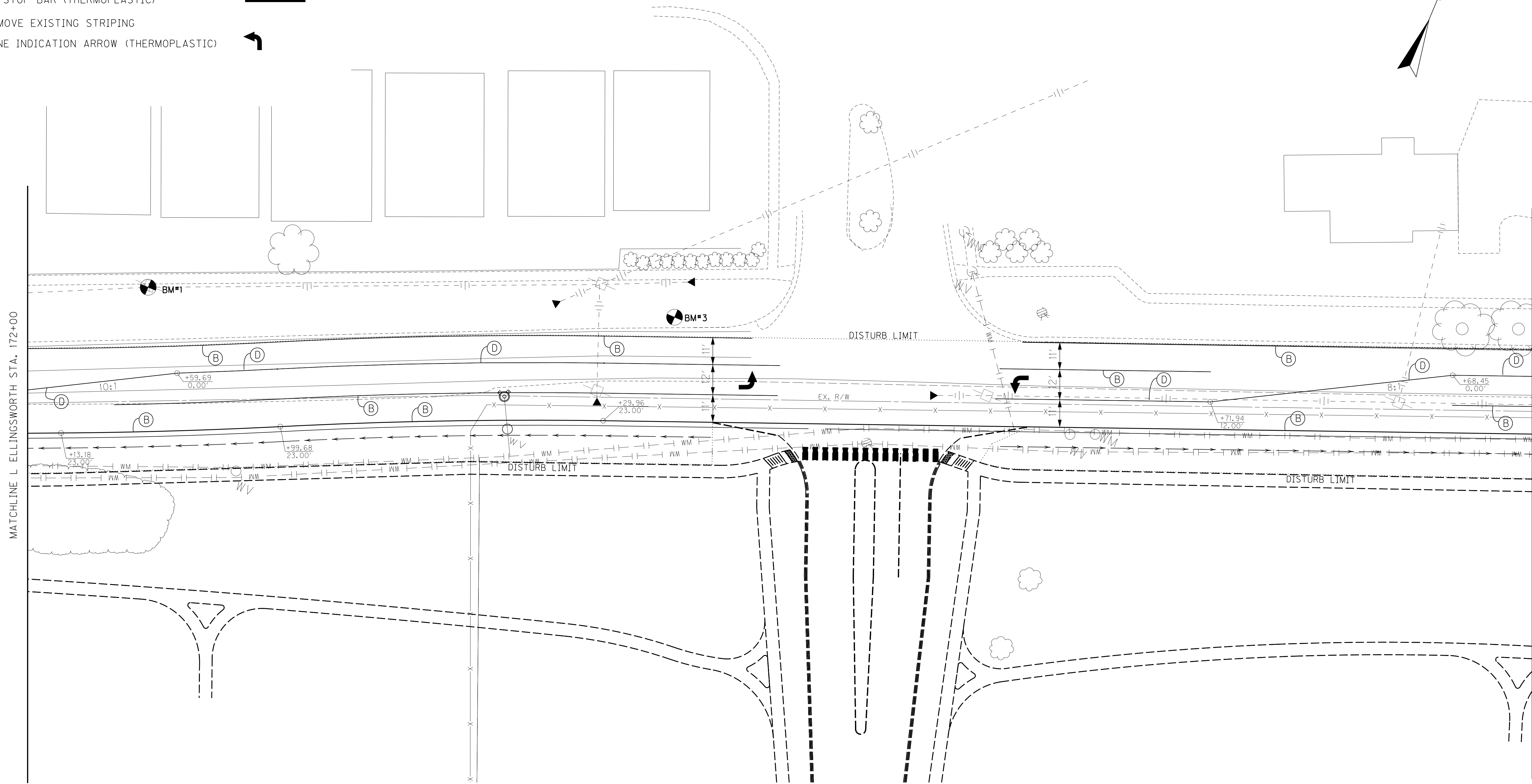
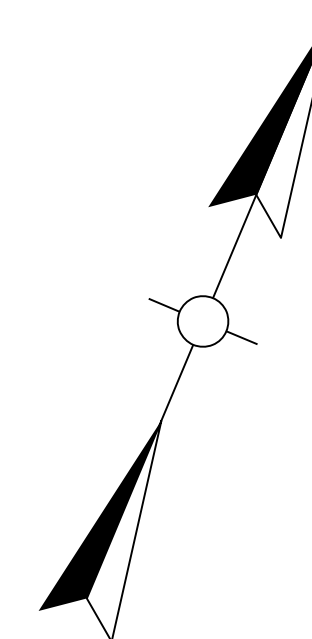
MicroStation v8.11.7.443

STRIPING LEGEND

- (A) 6" SOLID, WHITE CROSSWALK (THERMOPLASTIC) 
- (B) 4" SOLID, WHITE (PAINT) 
- (C) 8" SOLID, YELLOW CROSS-HATCH (PAINT) 
- (D) DOUBLE 4" SOLID, YELLOW (PAINT) 
- (E) 24" STOP BAR (THERMOPLASTIC) 
- (F) REMOVE EXISTING STRIPING 
- (G) LANE INDICATION ARROW (THERMOPLASTIC) 

EROSION CONTROL LEGEND

- SILT FENCE 
- STONE BAG INLET PROTECTION 



SCALE: 1"=20'

EROSION CONTROL AND STRIPING
ELLINGSWORTH LANE
STA 172+00 TO 178+00

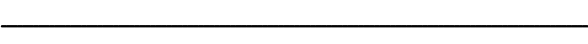






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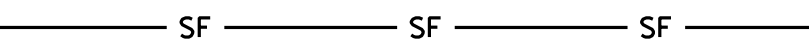
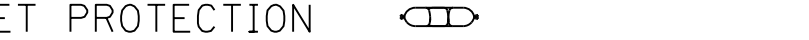
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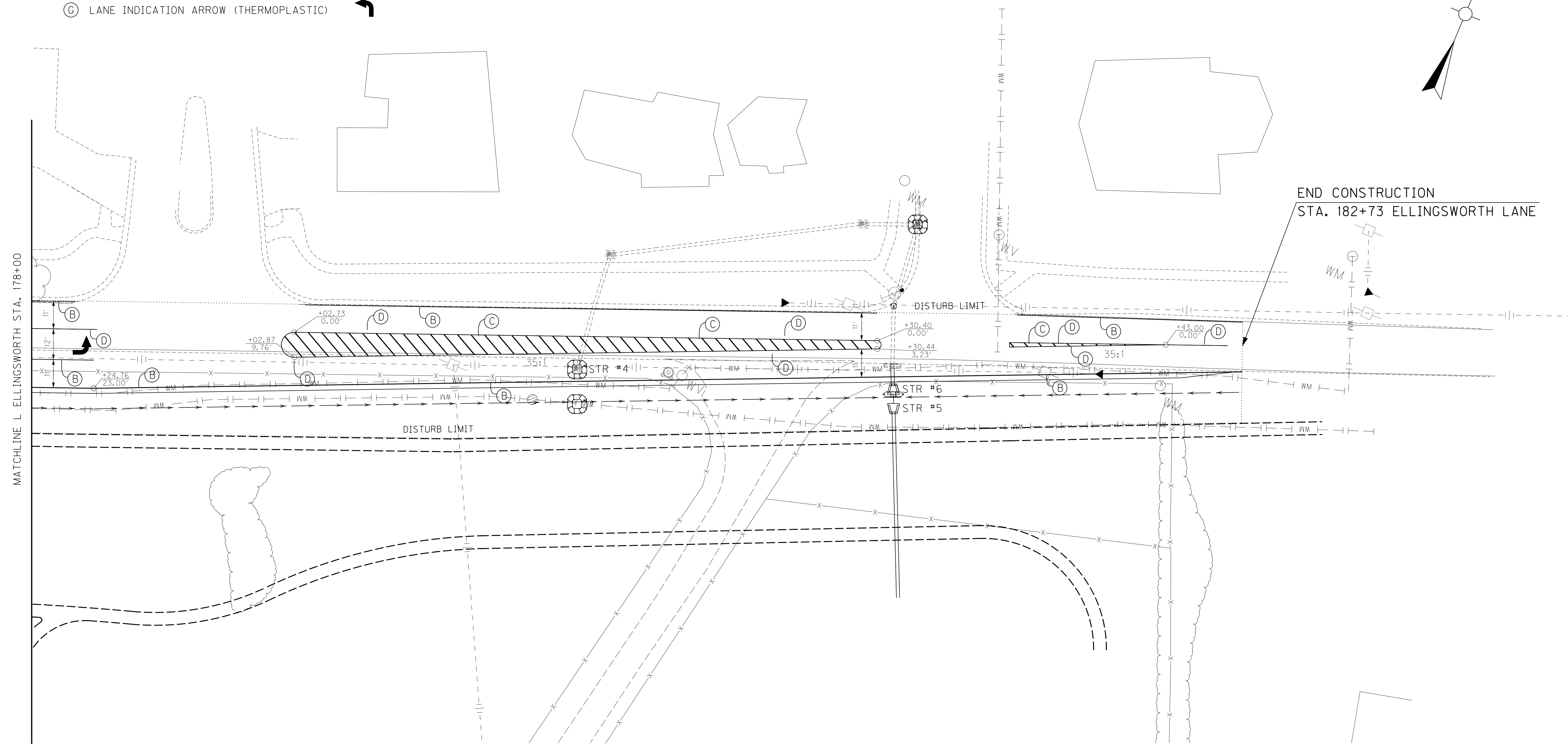
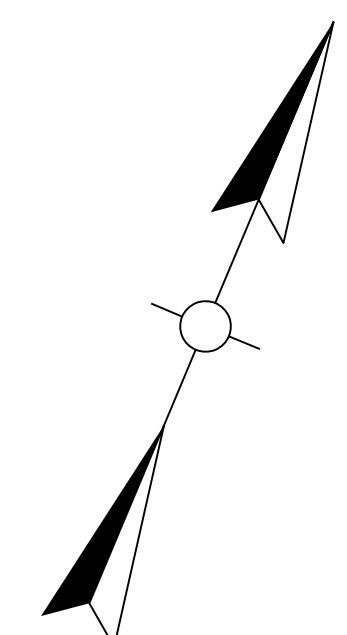
MicroStation v8.11.7.443

STRIPING LEGEND

- (A) 6" SOLID, WHITE CROSSWALK (THERMOPLASTIC) 
- (B) 4" SOLID, WHITE (PAINT) 
- (C) 8" SOLID, YELLOW CROSS-HATCH (PAINT) 
- (D) DOUBLE 4" SOLID, YELLOW (PAINT) 
- (E) 24" STOP BAR (THERMOPLASTIC) 
- (F) REMOVE EXISTING STRIPING 
- (G) LANE INDICATION ARROW (THERMOPLASTIC) 

EROSION CONTROL LEGEND

- SILT FENCE 
- STONE BAG INLET PROTECTION 



SCALE: 1"=20'

EROSION CONTROL AND STRIPING
ELLINGSWORTH LANE
STA 178+00 TO 182+73

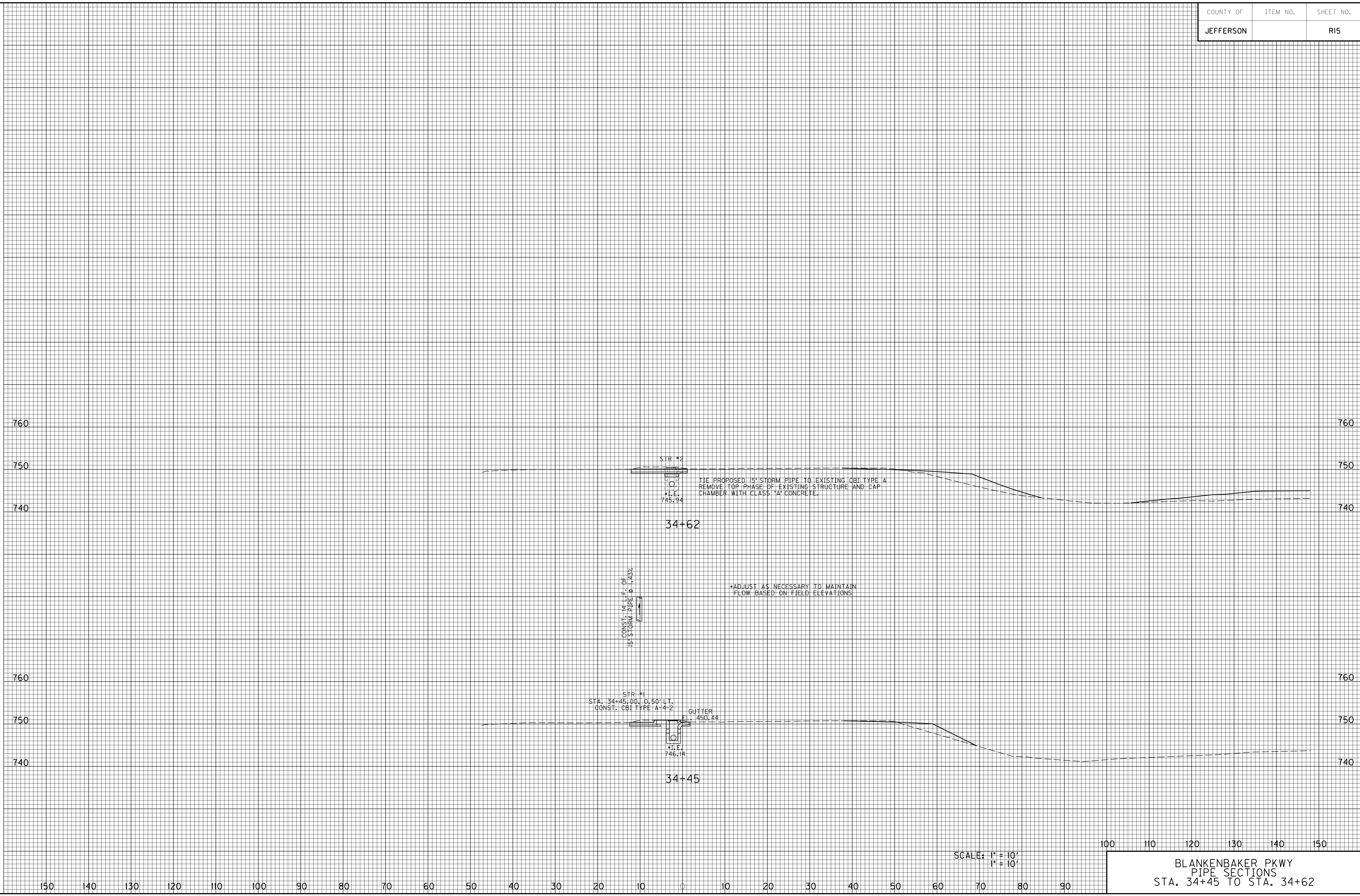
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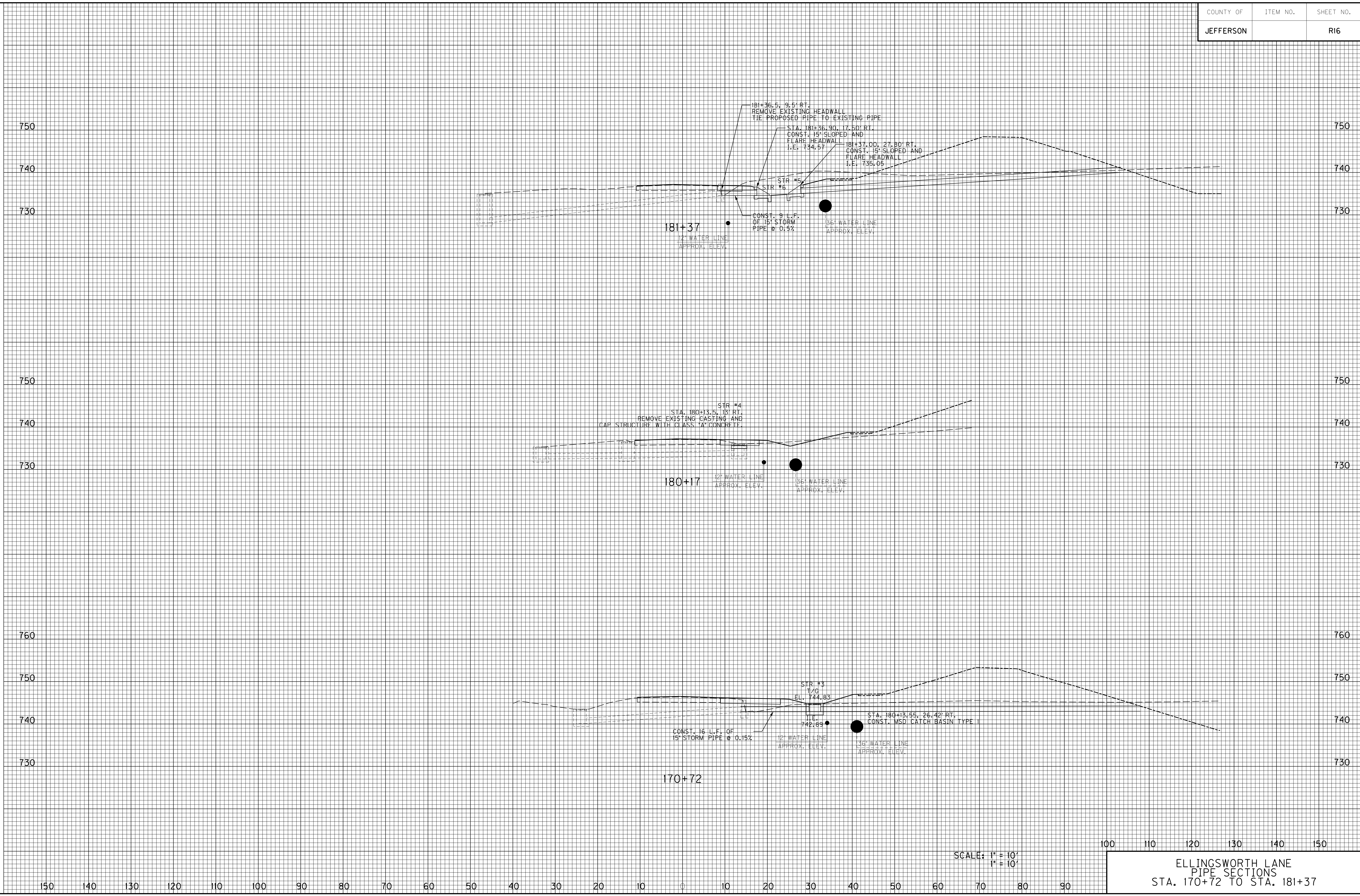
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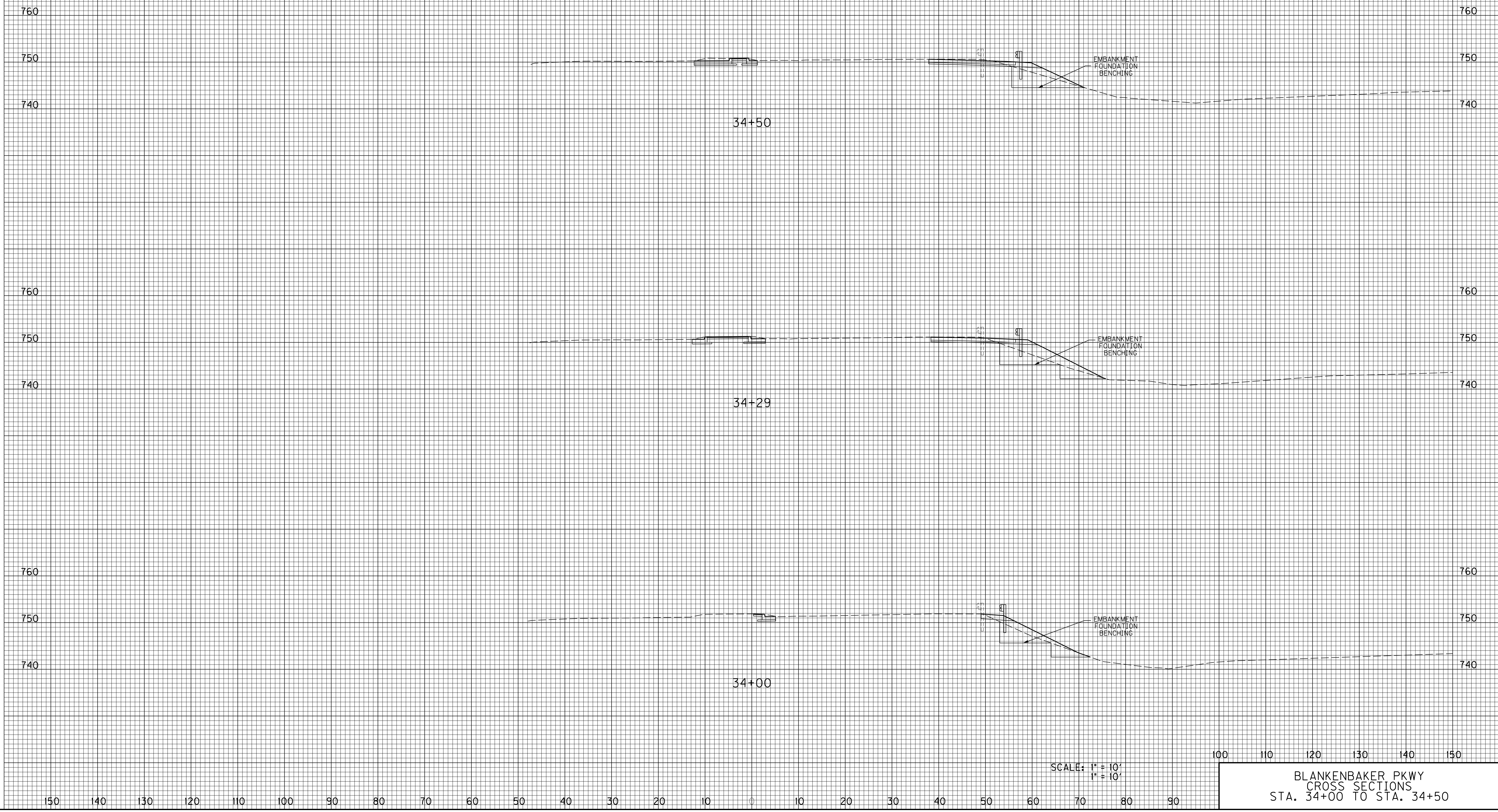
BLANKENBAKER PKWY
PIPE SECTIONS
STA. 34+45 TO STA. 34+62

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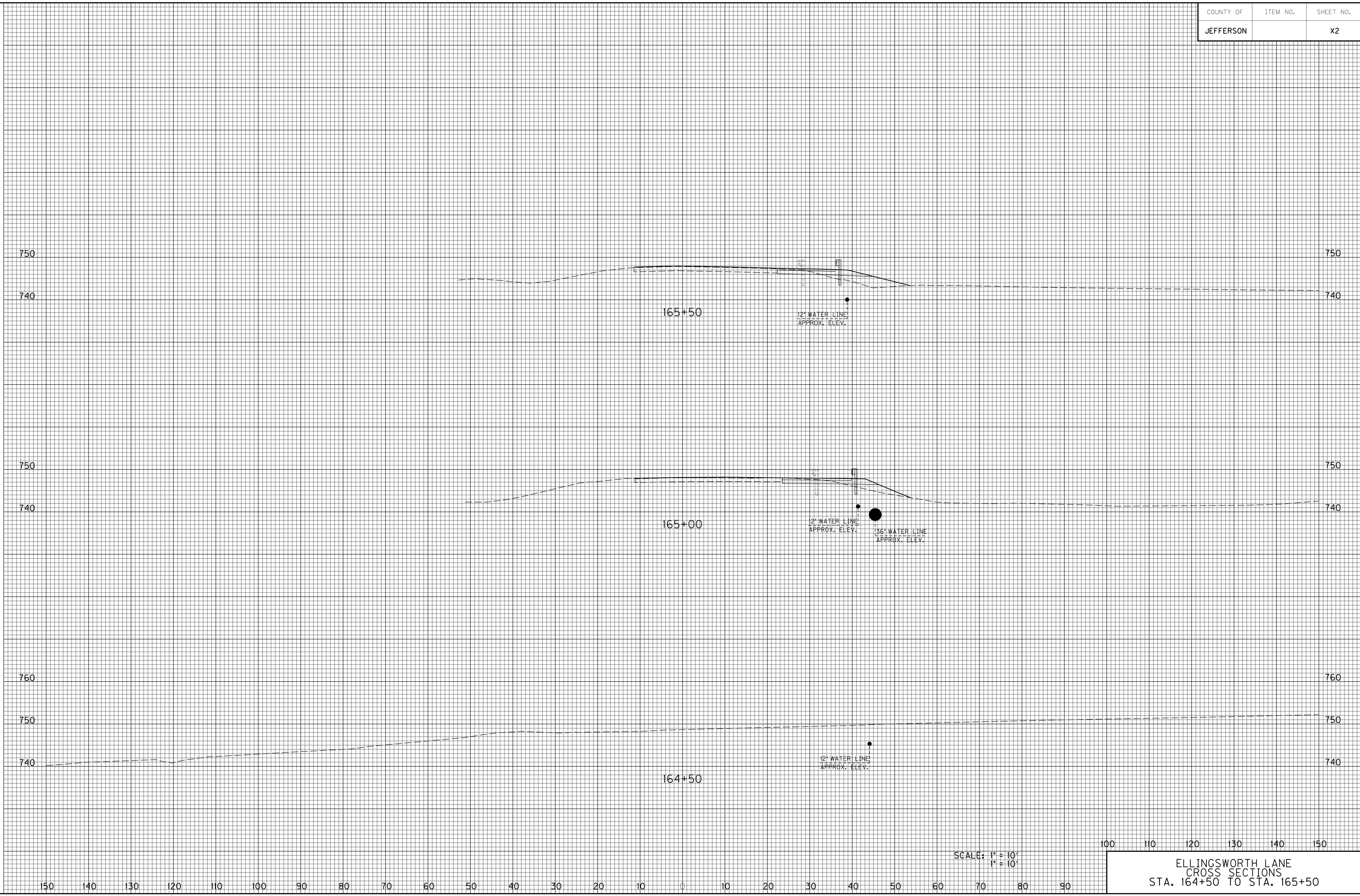
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 ELLINGSWORTH LANE
 PIPE SECTIONS
 STA. 170+72 TO STA. 181+37

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 FILE NAME: P:\262031\WORKING\62031TXS1.DGN



100 110 120 130 140 150
 SCALE: 1" = 10'
 1" = 10'
 BLANKENBAKER PKWY
 CROSS SECTIONS
 STA. 34+00 TO STA. 34+50

MicroStation v8.11.7.443
 E-SHEET NAME:
 USER: cullio
 DATE PLOTTED: July 23, 2013
 FILE NAME: P:\26203\1\WORKING\6203TXS.DGN

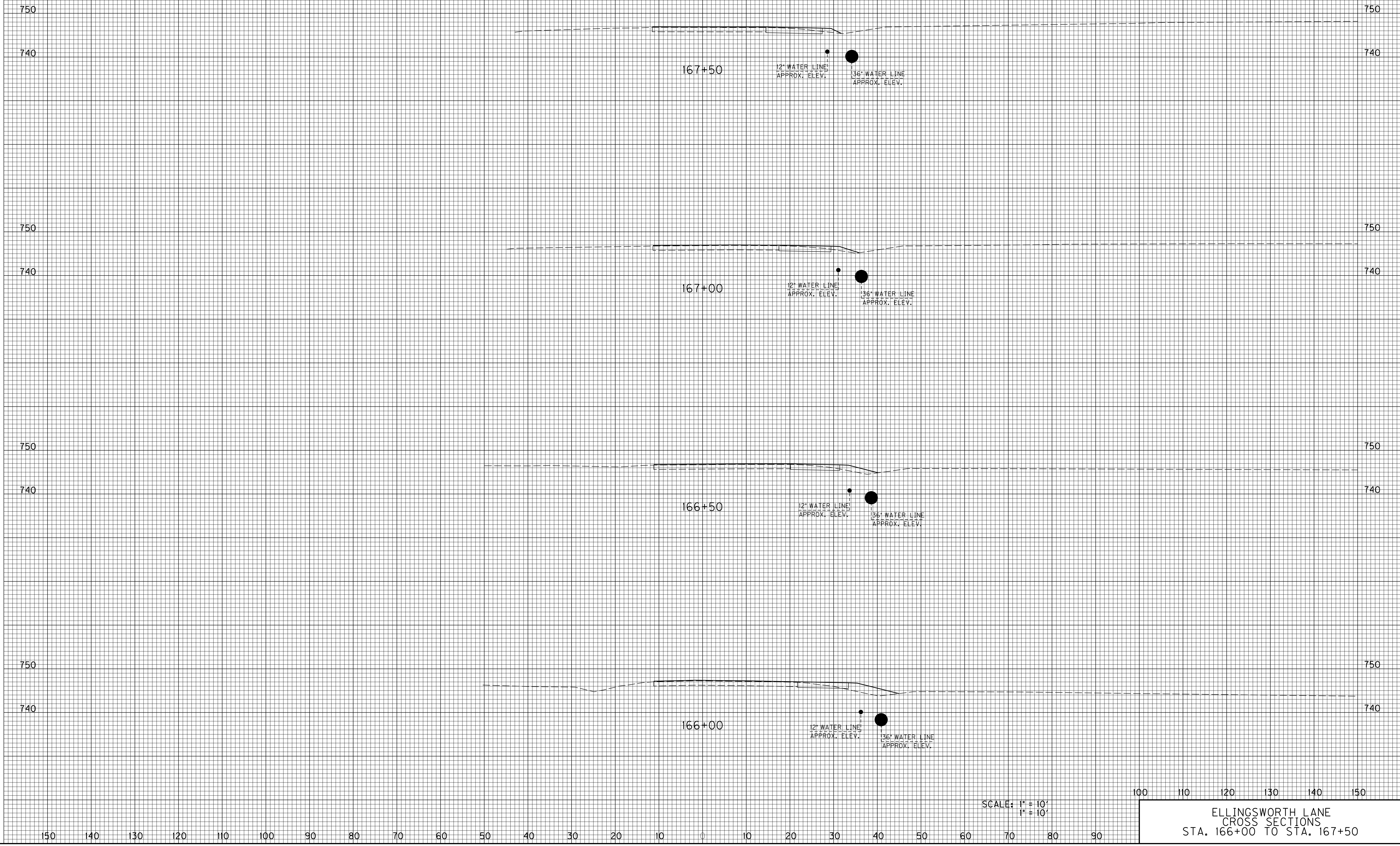


SCALE: 1" = 10'
1" = 10'

100 110 120 130 140 150

ELLINGSWORTH LANE
 CROSS SECTIONS
 STA. 164+50 TO STA. 165+50

MicroStation v8.11.7.443
 E-SHEET NAME:
 DATE PLOTTED: July 23, 2013
 USER: cullio
 FILE NAME: P:\262031\WORKING\62031XS.DGN

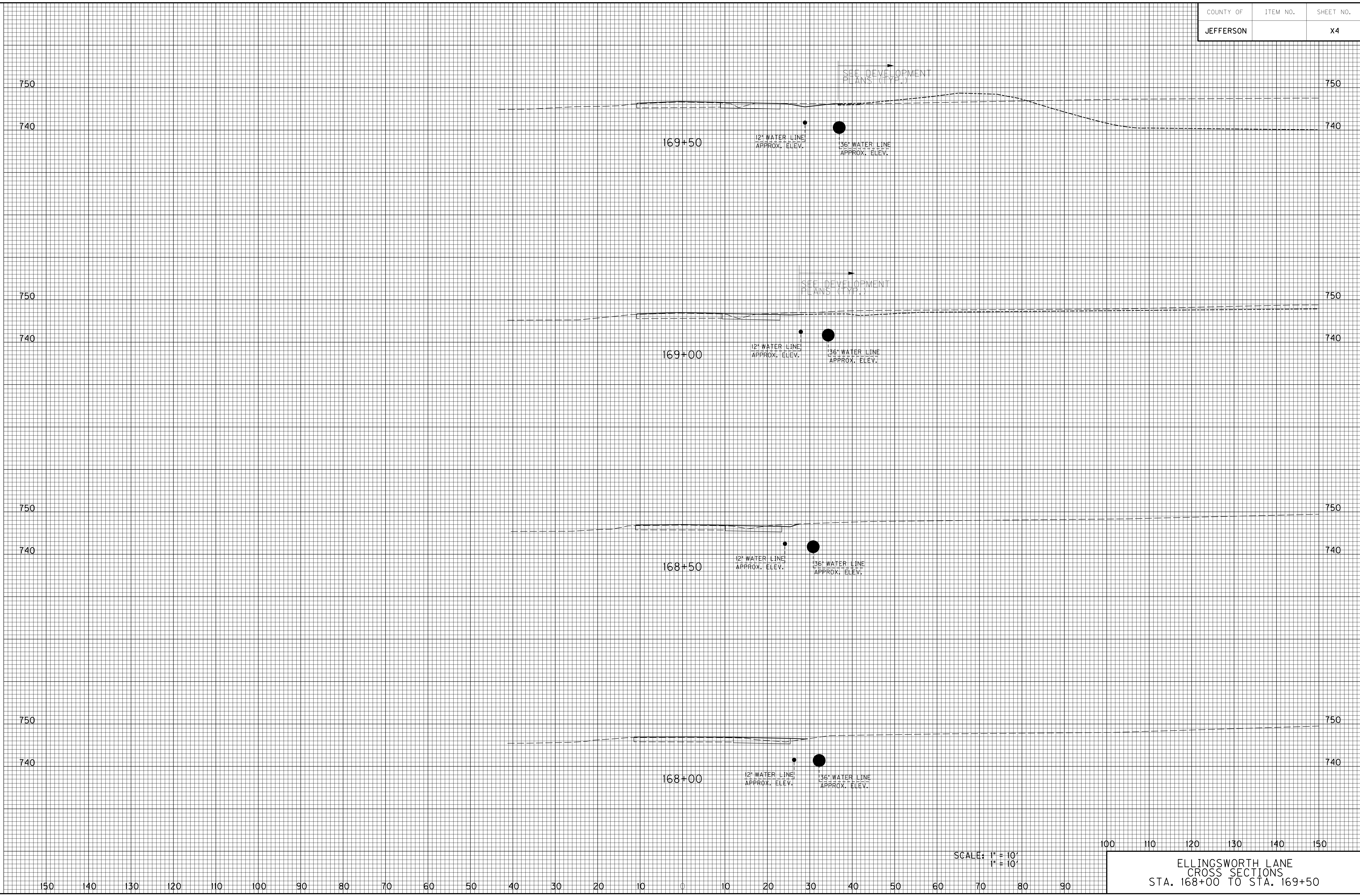


SCALE: 1" = 10'
1" = 10'

100 110 120 130 140 150

ELLINGSWORTH LANE
 CROSS SECTIONS
 STA. 166+00 TO STA. 167+50

MicroStation v8.11.7.443
 E-SHEET NAME:
 USER: cullio
 DATE PLOTTED: July 23, 2013
 FILE NAME: P:\26203\1\WORKING\6203TXS.DGN

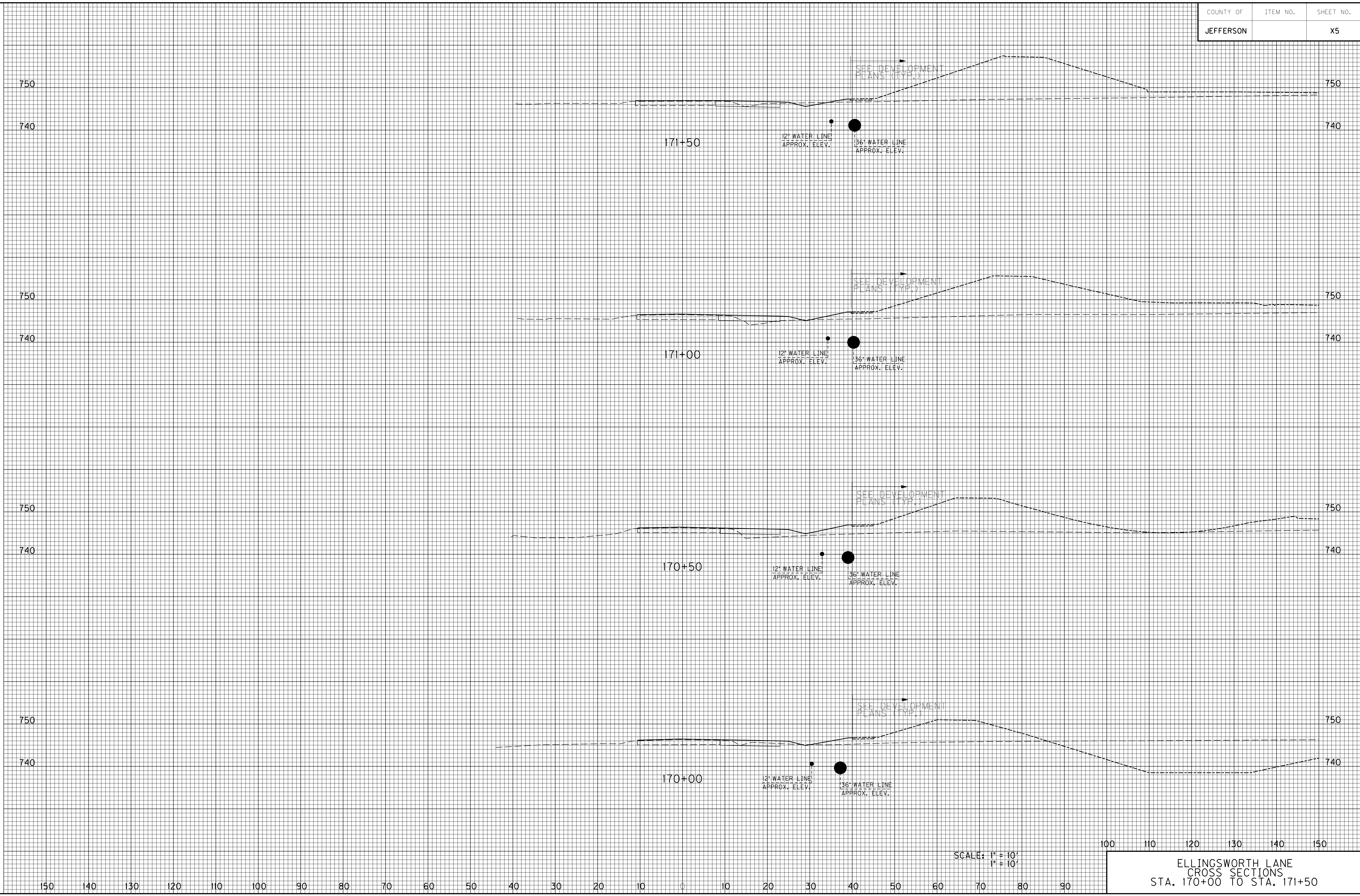


SCALE: 1" = 10'
1" = 10'

100 110 120 130 140 150

ELLINGSWORTH LANE
 CROSS SECTIONS
 STA. 168+00 TO STA. 169+50

MicroStation v8.11.7.443
 E-SHEET NAME:
 USER: cullio
 DATE PLOTTED: July 23, 2013
 FILE NAME: P:\262031\WORKING\62031XS.DGN



SCALE: 1" = 10'
1" = 10'

100 110 120 130 140 150

ELLINGSWORTH LANE
 CROSS SECTIONS
 STA. 170+00 TO STA. 171+50

FILE NAME: P:\262031\WORKING\62031XS.DGN

USER: cullio
DATE PLOTTED: July 23, 2013

E-SHEET NAME:

MicroStation v8.11.7.443



SCALE: 1" = 10'
1" = 10'

100 110 120 130 140 150

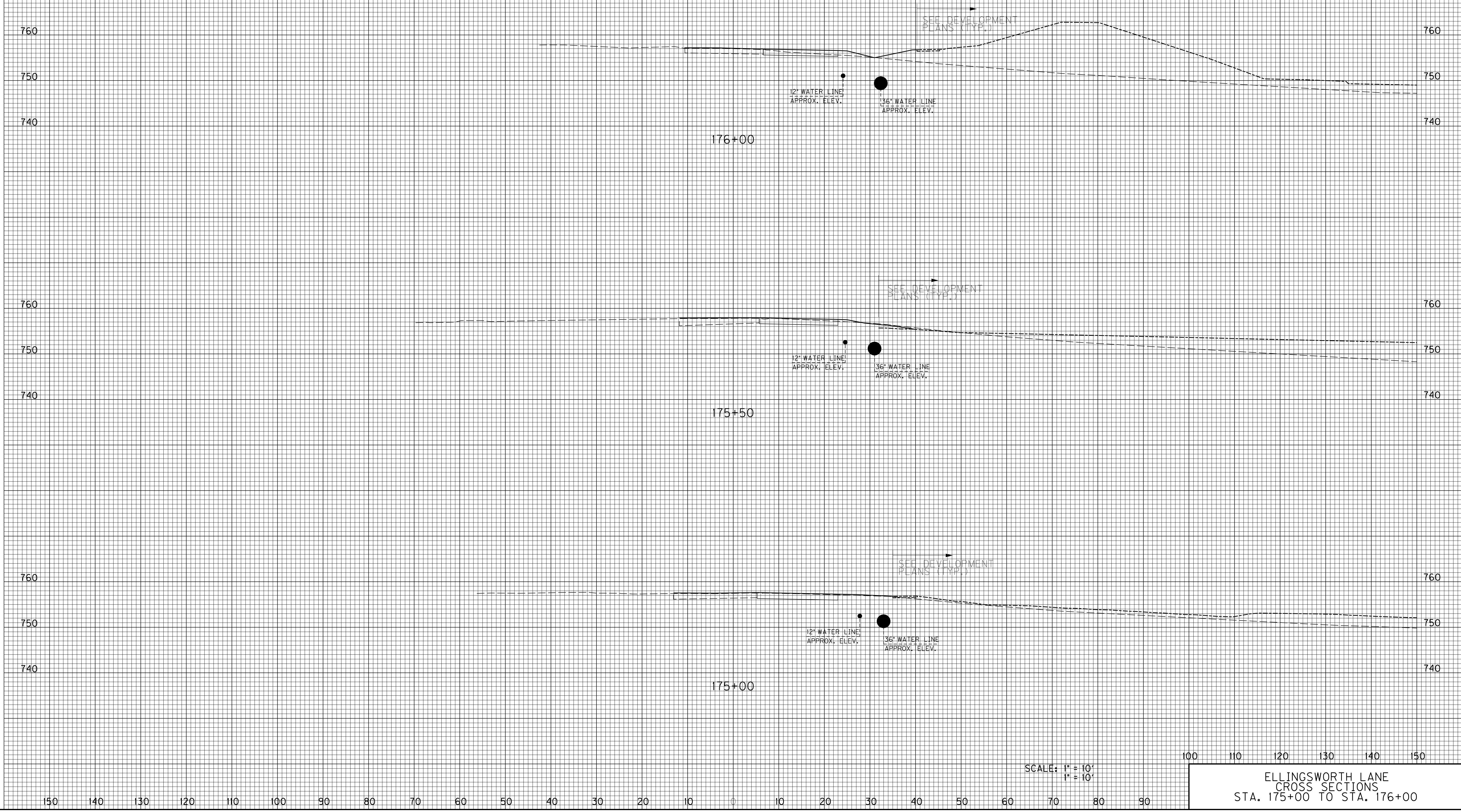
ELLINGSWORTH LANE
CROSS SECTIONS
STA. 172+00 TO STA. 173+00

MicroStation v8.11.7.443
 E-SHEET NAME:
 USER: cullio
 DATE PLOTTED: July 23, 2013
 FILE NAME: P:\262031\WORKING\6203TXS.DGN



SCALE: 1" = 10'
 1" = 10'
 ELLINGSWORTH LANE
 CROSS SECTIONS
 STA. 173+50 TO STA. 174+50

MicroStation v8.11.7.443
 E-SHEET NAME:
 DATE PLOTTED: July 23, 2013
 USER: cullio
 FILE NAME: P:\262031\WORKING\62031XS.DGN

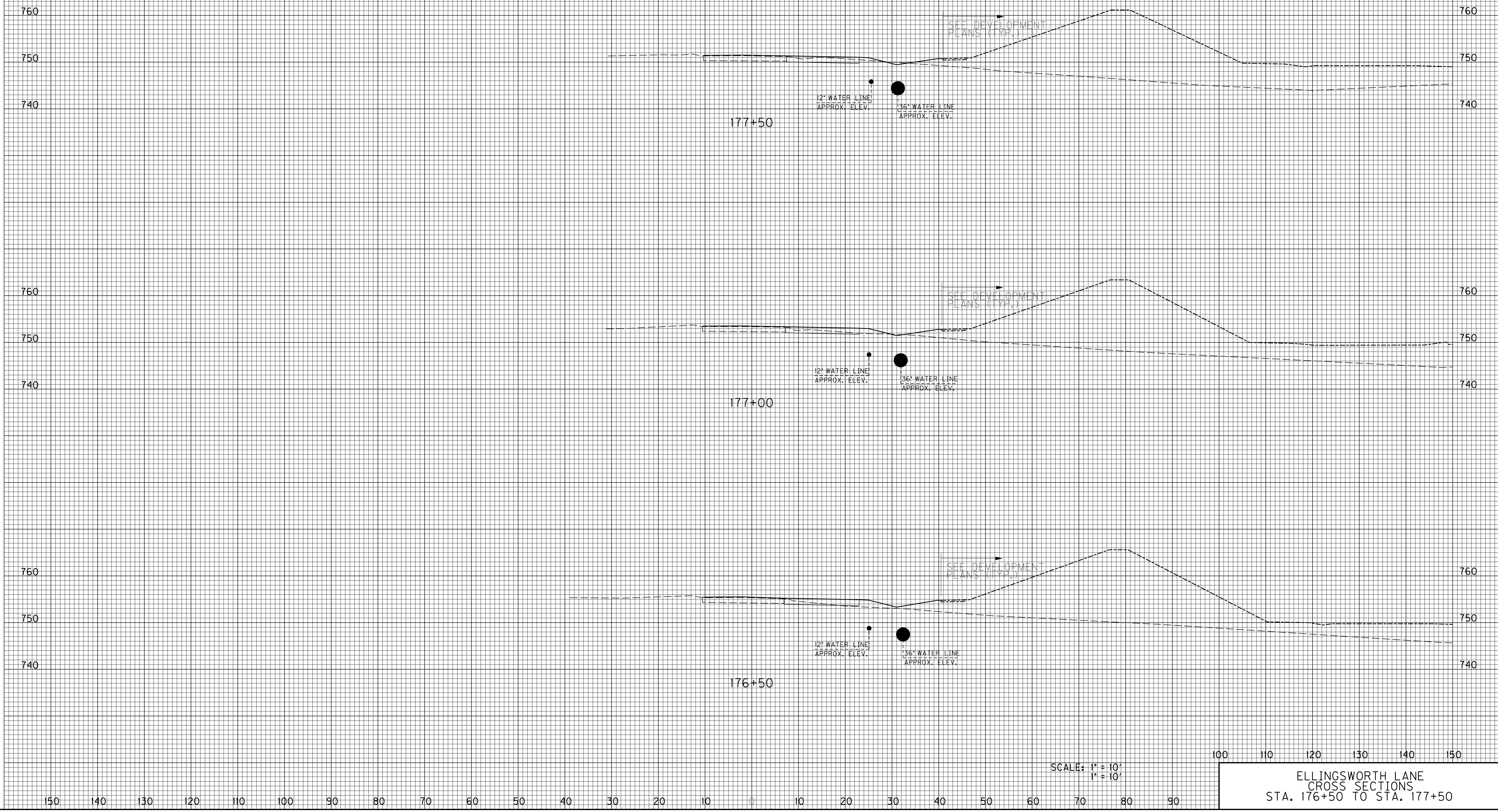


SCALE: 1" = 10'
1" = 10'

100 110 120 130 140 150

ELLINGSWORTH LANE
 CROSS SECTIONS
 STA. 175+00 TO STA. 176+00

MicroStation v8.11.7.443
 E-SHEET NAME:
 USER: cullio
 DATE PLOTTED: July 23, 2013
 FILE NAME: P:\262031\WORKING\62031XS.DGN



SCALE: 1" = 10'
1" = 10'

100 110 120 130 140 150

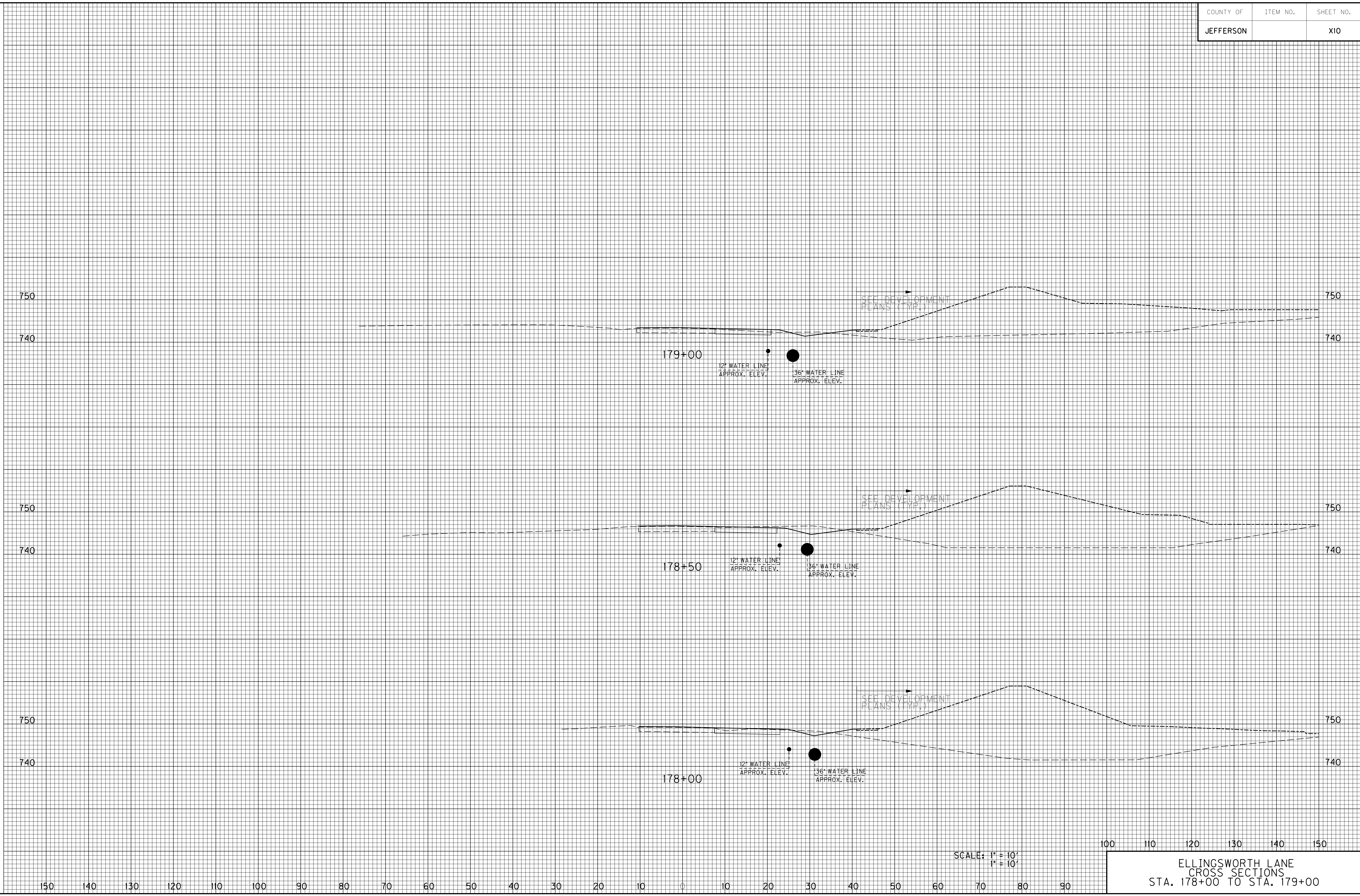
ELLINGSWORTH LANE
 CROSS SECTIONS
 STA. 176+50 TO STA. 177+50

FILE NAME: P:\262031\WORKING\62031XS.DGN

USER: cullio
DATE PLOTTED: July 23, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

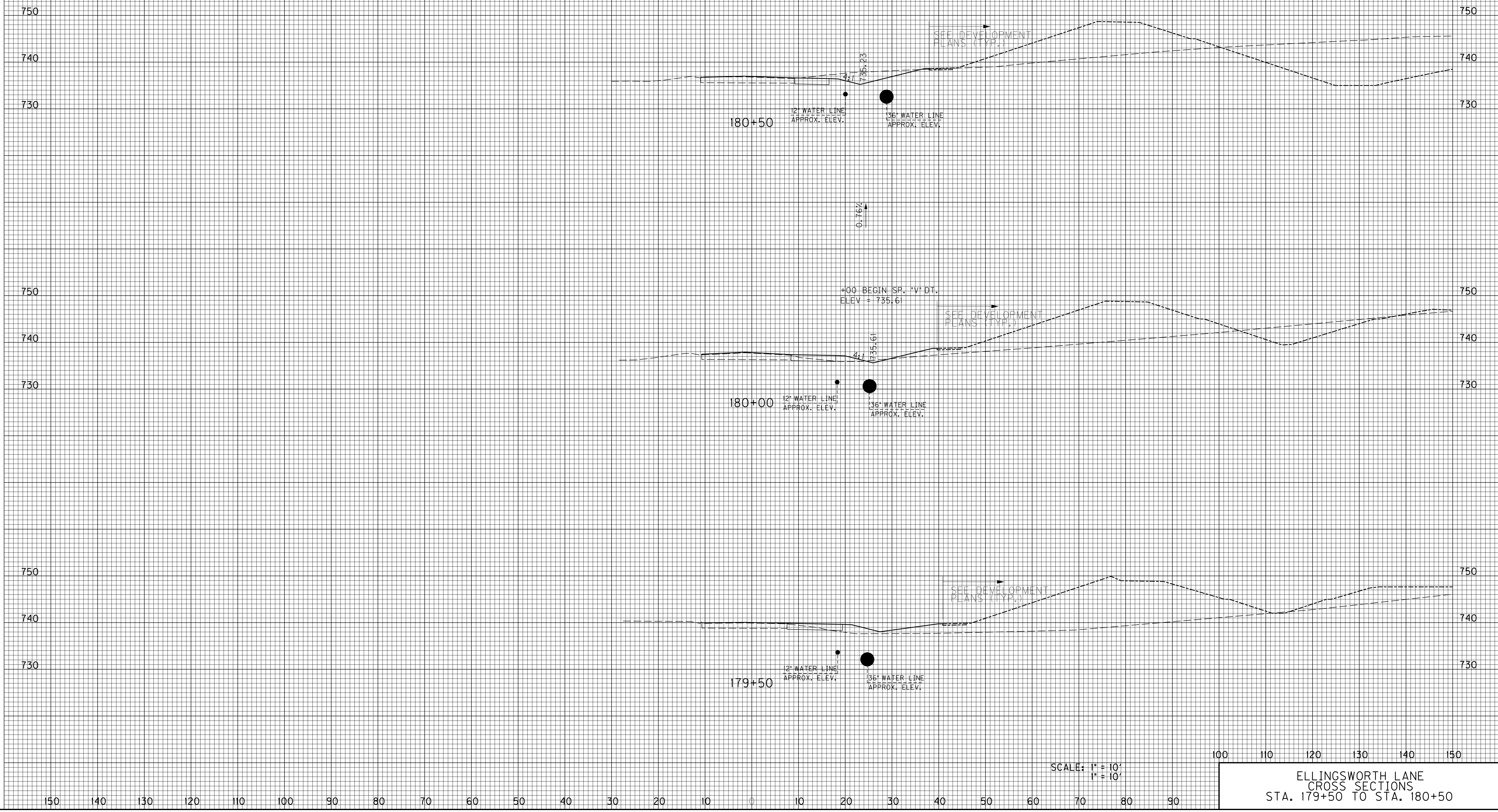


SCALE: 1" = 10'
1" = 10'

100 110 120 130 140 150

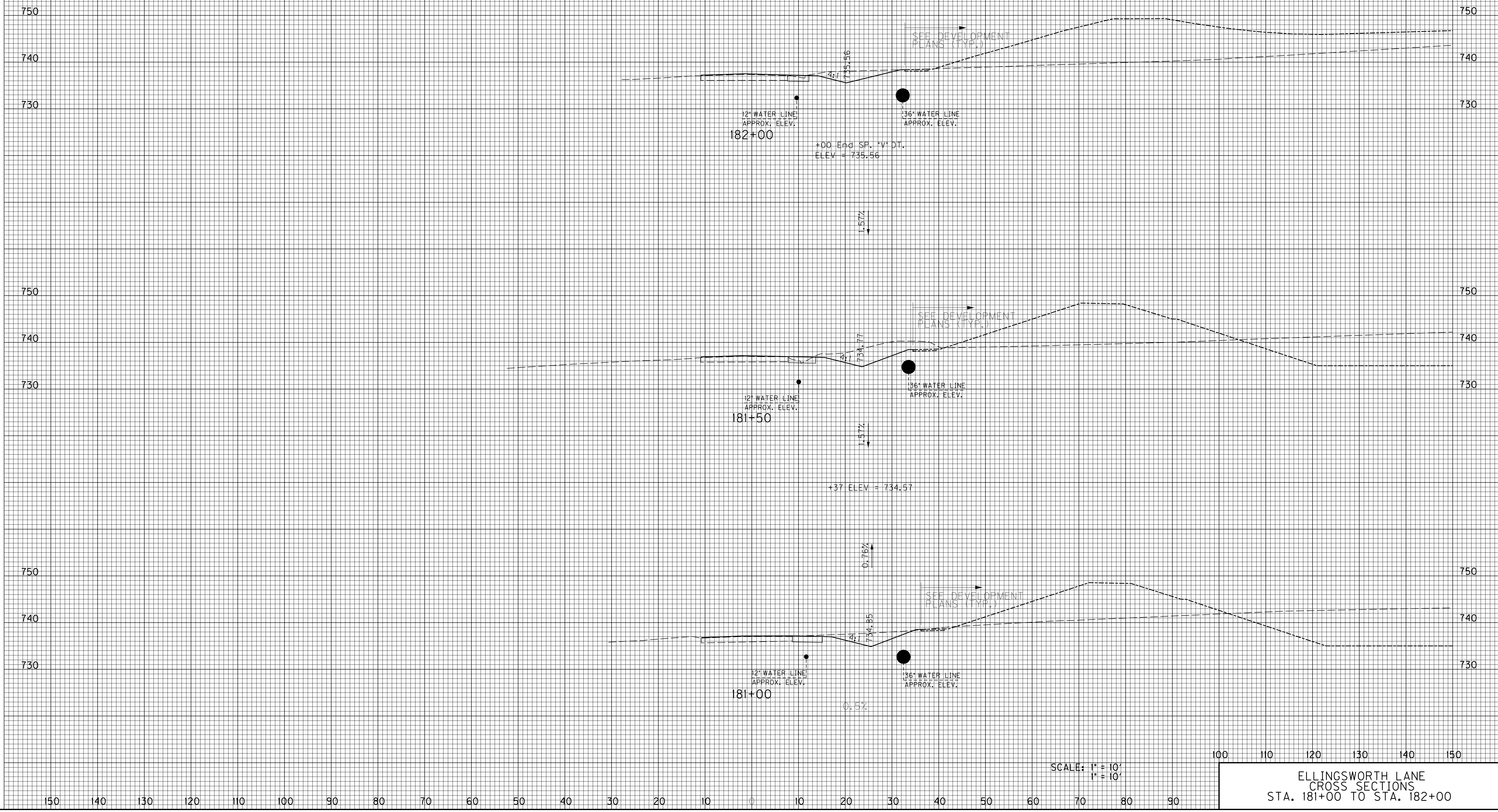
ELLINGSWORTH LANE
CROSS SECTIONS
STA. 178+00 TO STA. 179+00

MicroStation v8.11.7.443
 E-SHEET NAME:
 USER: cullio
 DATE PLOTTED: July 23, 2013
 FILE NAME: P:\262031\WORKING\62031XS.DGN



SCALE: 1" = 10'
 1" = 10'
 ELLINGSWORTH LANE
 CROSS SECTIONS
 STA. 179+50 TO STA. 180+50

MicroStation v8.11.7.443
 E-SHEET NAME:
 USER: cullio
 DATE PLOTTED: July 23, 2013
 FILE NAME: P:\262031\WORKING\6203TXS.DGN



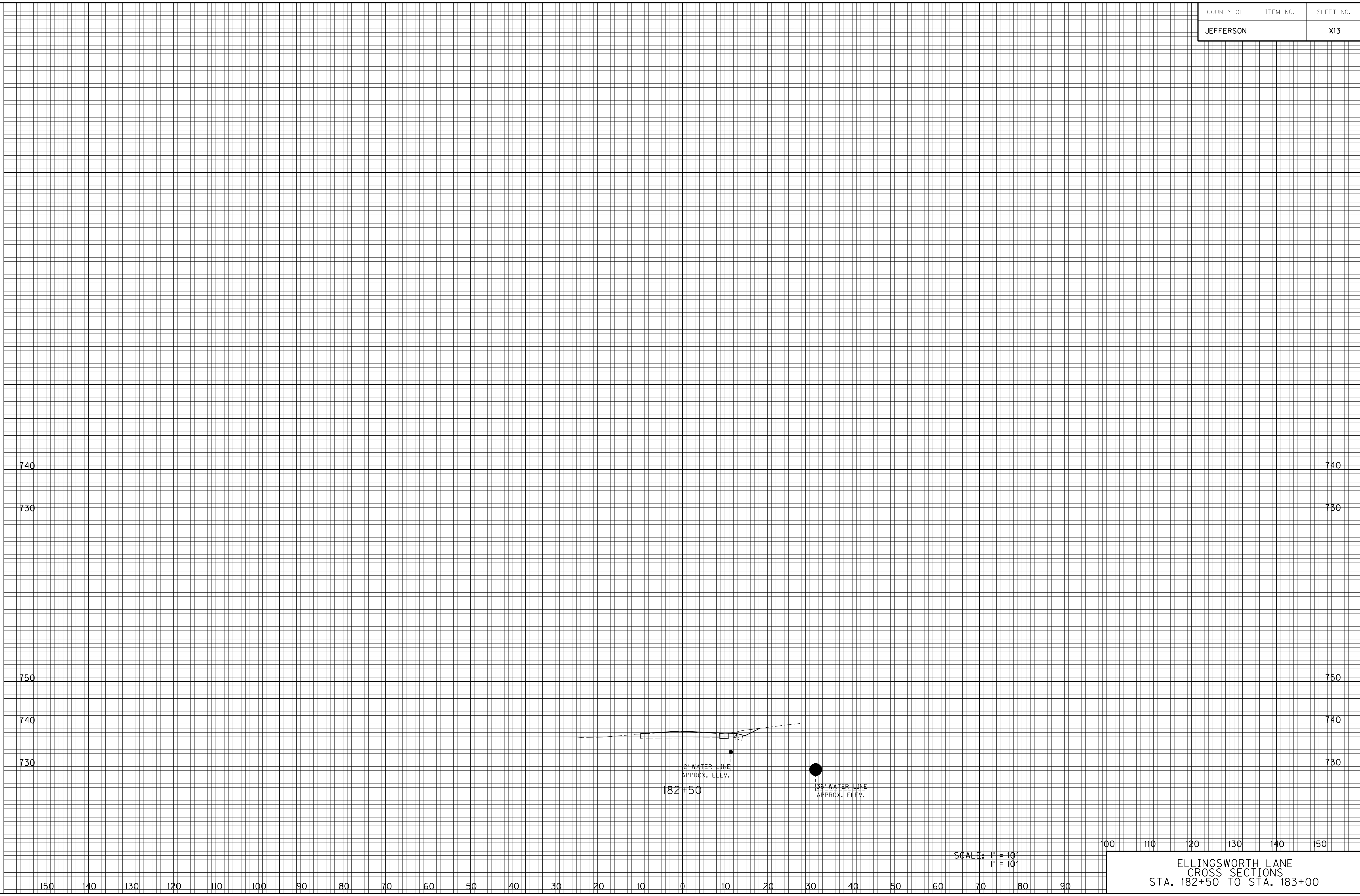
100 110 120 130 140 150
 ELLINGSWORTH LANE
 CROSS SECTIONS
 STA. 181+00 TO STA. 182+00

FILE NAME: P:\262031\WORKING\62031XS.DGN

USER: cullio
DATE PLOTTED: July 23, 2013

E-SHEET NAME:

MicroStation v8.11.7.443



740

740

730

730

750

750

740

740

730

730

182+50

2" WATER LINE
APPROX. ELEV.

36" WATER LINE
APPROX. ELEV.

SCALE: 1" = 10'
1" = 10'

100 110 120 130 140 150

ELLINGSWORTH LANE
CROSS SECTIONS
STA. 182+50 TO STA. 183+00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90