

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	1
CONTRACT NO.: 63325		ILLINOIS	FEDERAL AID PROJECT	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGE OF PLAINFIELD

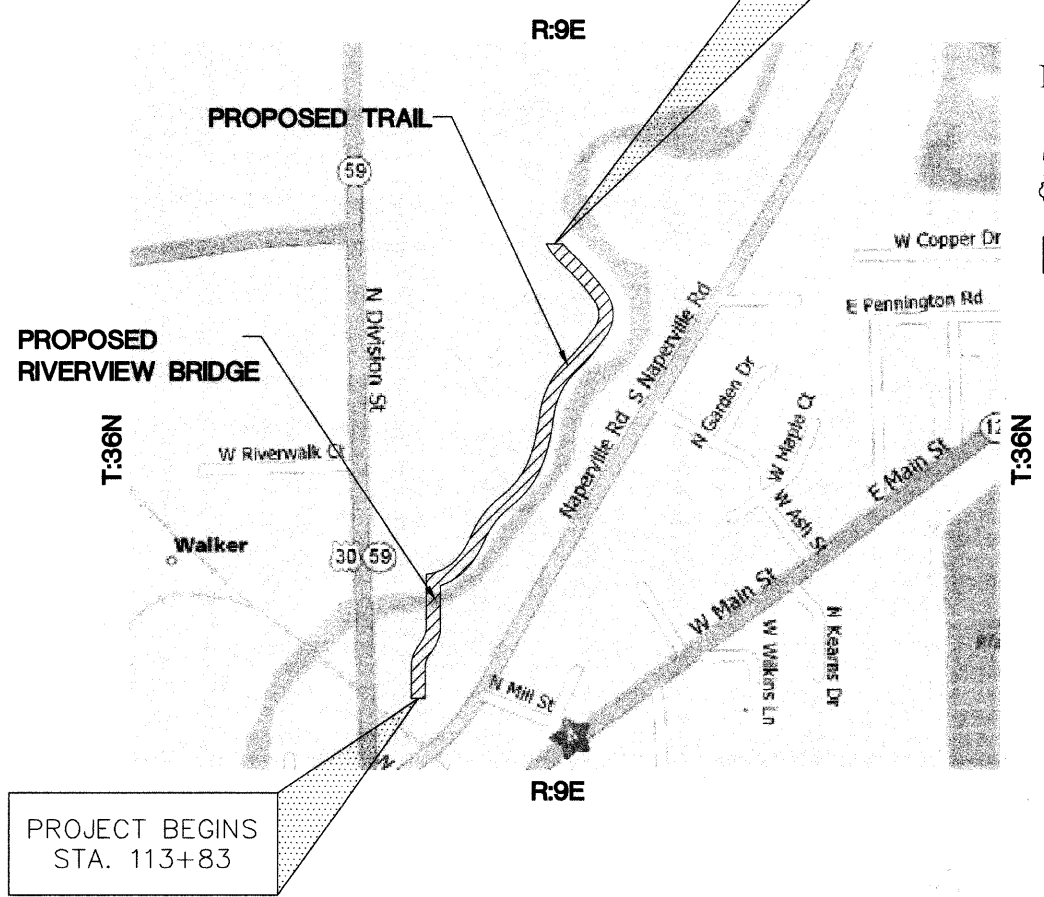
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL-AID HIGHWAY
DuPAGE RIVER TRAIL IMPROVEMENTS**
PROJECT No.: ^{ARA-}TE-HPP-3033(001)
SECTION No.: 01-P4015-00-BT
JOB No.: C-91-219-06
PLAINFIELD PARK DISTRICT
WILL COUNTY

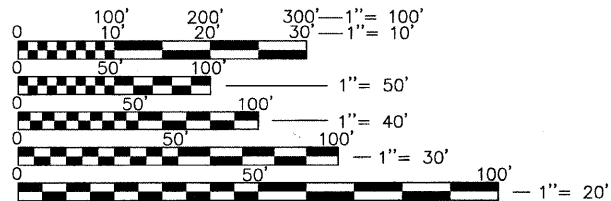


LOCATION MAP
(NOT TO SCALE)

PROJECT ENDS
STA. 151+62



PROJECT BEGINS
STA. 113+83



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PLAINFIELD TOWNSHIP
GROSS LENGTH OF IMPROVEMENT = 4,079.00 LF (0.77 MILES)
NET LENGTH OF IMPROVEMENT = 4,079.00 LF (0.77 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED Jan 13 2010
Carrie Bells
PLAINFIELD PARK DISTRICT, REPRESENTATIVE

PASSED JANUARY 15 2010
C. Felt
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW JANUARY 19 2010
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

ENGINEERING RESOURCE ASSOCIATES, INC.
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS

38701 WEST AVENUE, SUITE 150
WARRENVILLE, ILLINOIS 60555
PHONE (630) 393-3060
FAX (630) 393-2152

John F. Mayer, P.E.
IL. P.E. NO. 062-047345
Expires November 30, 2011

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

IDOT FIELD ENGINEER: MELCHOR MANGOBA (847) 705-4408

Updated by: dbusama 1/13/2010
W:\Plainfield\027013 DuPage River Trail\04\Phase 1\Cover.dwg

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.)
- ALL WORK SHALL BE IN ACCORDANCE WITH THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION), THE WILL COUNTY "COUNTYWIDE STORMWATER AND FLOOD PLAIN ORDINANCE" AND THE EROSION & SEDIMENT CONTROL PRACTICES SHALL BE ACCORDING TO THE ILLINOIS URBAN MANUAL (REVISED FEBRUARY 2002)
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- UNLESS AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- DURING THE CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED, AT HIS EXPENSE, TO HAVE AVAILABLE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO THE COST OF EARTH EXCAVATION.
- ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION AND SURPLUS MATERIAL FROM SEWER TRENCHES) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO THE COST OF EARTH EXCAVATION.
- ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO UPLAND DISTURBANCE.
- THE CONTRACTOR WILL PERFORM ALL CONSTRUCTION LAYOUT.

TREE REMOVAL CLEARING HEDGE REMOVAL

TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED AND PAID FOR UNDER THE PROVISIONS OF ARTICLE 201.05, TEMPORARY FENCE.

ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.

OVERHANGING LIMBS

LIMB PRUNING SHALL BE PERFORMED UNDER THE SUPERVISION OF AN APPROVED TREE EXPERT AS STATED IN THESE SPECIAL PROVISIONS AND SHALL BE UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION.

ALL CUTS OVER 1 INCH IN DIAMETER SHALL BE MADE FLUSH WITH THE NEXT LARGE BRANCH.

ALL LIMBS, BRANCHES AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY.

THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO TREE REMOVAL OR TREE PRUNING.

TOPSOIL

TOPSOIL SHALL BE PLACED TO A DEPTH OF 6 INCHES UNLESS OTHERWISE SPECIFIED ON THE PLANS. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE COST OF EARTH EXCAVATION.

THE CROSS SECTIONS INDICATE THE FINISHED GRADE OF TOPSOIL.

TOPSOIL SHALL NOT BE STOCKPILED WITHIN THE LIMITS OF CONSTRUCTION; THE LOCATIONS OF TOPSOIL STOCKPILES WITHIN THE RIGHT-OF-WAY MUST BE APPROVED BY THE ENGINEER.

PATH EXCAVATION

ALL EXISTING GRANULAR AND BITUMINOUS MATERIALS TO BE REMOVED AND NOT PAID AS A SPECIFIC ITEM SHALL BE CONSIDERED EARTH EXCAVATION AND WILL BE PAID FOR AT THE UNIT PRICE FOR EARTH EXCAVATION. THE CONTRACTOR WILL HAVE THE OPTION OF REMOVING THE EXISTING BITUMINOUS MATERIAL BY GRINDING OR EXCAVATING THE MATERIAL. IF THE BITUMINOUS MATERIAL IS REMOVED BY EXCAVATION, IT MAY NOT BE USED IN EMBANKMENT AREAS UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER. BITUMINOUS MATERIAL REMOVED BY GRINDING MAY BE USED AS EMBANKMENT MATERIAL. NO BITUMINOUS MATERIAL SHALL BE REMOVED IN AREAS TO BE USED FOR TEMPORARY ACCESS.

THE CONTRACTOR SHALL NOT CROSS COMPLETED BASE COURSE OR EXISTING PAVEMENT, NOT SCHEDULED TO BE REMOVED, WITH ANY TRACKED EQUIPMENT.

ALL EMBANKMENTS AND SUB-GRADE SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING AGGREGATE SUBGRADE OR SUBBASE GRANULAR MATERIAL. ALL EMBANKMENT AND SUBGRADE SHOULD BE CONSTRUCTED IN ACCORDANCE WITH SECTION 205 (EMBANKMENT) AND SECTION 300 (SUBGRADES, SUBBASES AND BASE COURSES) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007, AS WELL AS TO THE SPECIFICATION OF THE ENGINEER.

THERE MAY BE AREAS INVOLVING DRAINAGE DITCHES, CULVERT ENTRANCES AND EXITS, AND DEPRESSIONAL PONDED AREAS THAT MAY HAVE DEPOSITS OF UNSUITABLE OR UNSTABLE MATERIAL. THESE AREAS MUST BE PUMPED DRY OF ANY WATER AND ALL UNSUITABLE/UNSTABLE MATERIAL REMOVED BEFORE ANY EMBANKMENT MATERIAL IS PLACED.

STORM SEWERS STRUCTURES UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS, WATERMANS, AND STREET LIGHTS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT OR PROTECTION OF THE UTILITY INVOLVED.

THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNER OF THE UTILITY.

EMBANKMENTS SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER PRIOR TO EXCAVATION FOR STORM SEWERS.

ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS OR DITCHES AS DIRECTED BY THE ENGINEER; THIS WORK WILL BE PAID AT THE APPLICABLE CONTRACT UNIT PRICE OR IN ACCORDANCE WITH ARTICLE 109.04.

HOT-MIX ASPHALT AND HOT-MIX ASPHALT BASE COURSE

HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AGGREGATE BASE COURSE AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.

SAWCUT CONSTRUCTION JOINTS SHALL BE PROVIDED AT ALL EXISTING PAVED SURFACES. SAWCUT CONSTRUCTION JOINTS SHALL ALSO BE PROVIDED AT THE BEGINNING AND END OF THE PROJECT. THE COST SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE COURSE.

THE MAXIMUM COMPACTED THICKNESS OF A LIFT OF BASE COURSE WILL BE 6 INCHES UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

BASE COURSE SHALL NOT BE PLACED ADJACENT TO ALL CONCRETE WORK UNTIL THE CONCRETE WORK HAS BEEN BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

THE UNIT PRICES FOR ITEMS USED TO CONSTRUCT TEMPORARY ACCESS ROADS SHALL INCLUDE ALL LABOR AND MATERIAL REQUIRED TO PLACE, REMOVE AND DISPOSE OF THE TEMPORARY PAVEMENT OR ACCESS ROAD.

TRENCH BACKFILL

WHERE TRENCH BACKFILL IS REQUIRED, THE MATERIAL USED SHALL BE COMPACTED AS SPECIFIED IN ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS USING METHOD ONE.

- DENOTES INCIDENTAL WORK ITEMS

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS AND HIGHWAY STANDARDS
3	SUMMARY OF QUANTITIES AND EARTHWORK TABLE
4	TYPICAL CROSS SECTIONS AND LEGEND
5-7	ALIGNMENT, TIES AND BENCHMARKS
8	PLAN AND PROFILE SHEET KEY
9-11	PLAN AND PROFILE SHEETS
12	DUPAGE RIVER BRIDGE APPROACH DETAILS
13	WEST NORMAN CROSSING GRADING DETAIL
14-15	EROSION AND SEDIMENT CONTROL PLAN
16-18	WETLAND IMPACT AND PLANTING EXHIBIT
19	WETLAND IMPACT AND PLANTING GENERAL NOTES AND SPECIFICATIONS
20	DUPAGE RIVER BRIDGE SOUTH ABUTMENT AND RETAINING WALL LAYOUT
21	DUPAGE RIVER BRIDGE NORTH ABUTMENT AND RETAINING WALL LAYOUT
22	DUPAGE RIVER BRIDGE SOUTH ABUTMENT PLAN
23	DUPAGE RIVER BRIDGE SOUTH ABUTMENT ELEVATION
24	DUPAGE RIVER BRIDGE NORTH ABUTMENT PLAN
25	DUPAGE RIVER BRIDGE NORTH ABUTMENT ELEVATION
26	DUPAGE RIVER BRIDGE ABUTMENT SECTIONS
27	DUPAGE RIVER BRIDGE ABUTMENT DETAILS
28-30	DUPAGE RIVER BRIDGE RETAINING WALL DETAILS
31	WEST NORMAN BOX CULVERT
32	WEST NORMAN BOX CULVERT END SECTION DETAIL
33-39	PROPOSED PATH CROSS SECTIONS
40	PATH APPROACH SOUTH OF BRIDGE
41	PATH APPROACH NORTH OF BRIDGE

IDOT HIGHWAY STANDARDS

STANDARD 000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
STANDARD 280001-05	TEMPORARY EROSION CONTROL SYSTEMS
STANDARD 542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
STANDARD 701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
STANDARD 701901-01	TRAFFIC CONTROL DEVICES



USER NAME =	DESIGNED -- BD	REVISED --
PLOT SCALE =	DRAWN -- DB	REVISED --
PLOT DATE =	CHECKED -- JFM	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS
AND HIGHWAY STANDARDS

SCALE: SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	2
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	

SUMMARY OF QUANTITIES

Y047

ITEM	DESCRIPTION	UNIT	QUANTITY
1	20100110 TREE REMOVAL (6-15 UNITS DIAMETER)	UNIT	60
2	20101000 TEMPORARY FENCE	FOOT	3,897
3	20101200 TREE ROOT PRUNING	EACH	11
4	20101300 TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	6
5	20101350 TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5
6	20101700 SUPPLEMENTAL WATERING	UNIT	108
7	20200100 EARTH EXCAVATION	CU YD	10,093
8	20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,258
9	20400800 FURNISHED EXCAVATION	CU YD	4,000
10	20700420 POROUS GRANULAR EMBANKMENT - SUBGRADE	CU YD	1,258
11	20800150 TRENCH BACKFILL	CU YD	28
12	21001000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4,770
13	25100630 EROSION CONTROL BLANKET	SQ YD	14,559
14	28000250 TEMPORARY EROSION CONTROL SEEDING	POUND	300
15	28000400 PERIMETER EROSION BARRIER	FOOT	9,648
16	28100105 STONE RIPRAP, CLASS A3	SQ YD	446
17	28200200 FILTER FABRIC	SQ YD	446
18	31102000 SUB-BASE GRANULAR MATERIAL, TYPE C, CA-11	CU YD	211
19	35102000 AGGREGATE BASE COURSE, TYPE B, 8"	SQ YD	4,773
20	40600100 BITUMINOUS MATERIALS (PRIME COAT)	GALLON	435
21	40603310 HOT-MIX ASPHALT, SURFACE COURSE, MIX "C" N50	TON	493
22	50200100 STRUCTURE EXCAVATION	CU YD	1,013
23	50300225 CONCRETE STRUCTURES	CU YD	990
24	50800205 REINFORCEMENT BARS, EPOXY COATED	POUND	107,620
25	51201400 FURNISHING STEEL PILES, HP10x42	FOOT	6,600
26	51202305 DRIVING PILES	FOOT	6,600
27	51203400 TEST PILE STEEL HP10X42	EACH	2
28	51204650 PILE SHOES	EACH	134
29	54010604 PRECAST CONCRETE BOX CULVERT 6' X 4'	FOOT	40
30	54010605 PRECAST CONCRETE BOX CULVERT 6' X 5'	FOOT	20
31	54213657 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	4
32	54247090 GRATING FOR CONCRETE FLARED END SECTION 12"	EACH	4
33	550A0340 STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	62
34	67100100 MOBILIZATION	L SUM	1
35	70102635 TRAFFIC CONTROL AND PROTECTION 701701	L SUM	1
36	72000100 SIGN PANEL - TYPE 1	SQ FT	24
37	72900100 METAL POST - TYPE A	FOOT	30
38	78001110 PAINT PAVEMENT MARKING - LINE 4"	FOOT	600
39	K1004572 PRAIRIE SEEDING (SPECIAL)	ACRE	2.71
40	X0322508 PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	2,128
41	X0322671 STABILIZED CONSTRUCTION ENTRANCE	SQ YD	500
42	X0326239 SEEDING, SEDGE MEADOW MIX	ACRE	0.99
43	Z0013798 CONSTRUCTION LAYOUT	L SUM	1
44			
45	Z0077900 WOOD POST AND RAIL FENCE	FOOT	500
46	XX008354 NATIVE PLANT PLUGS (INCLUDING GOOSE GRID BARRIER)	EACH	4,854

* Indicates specialty items

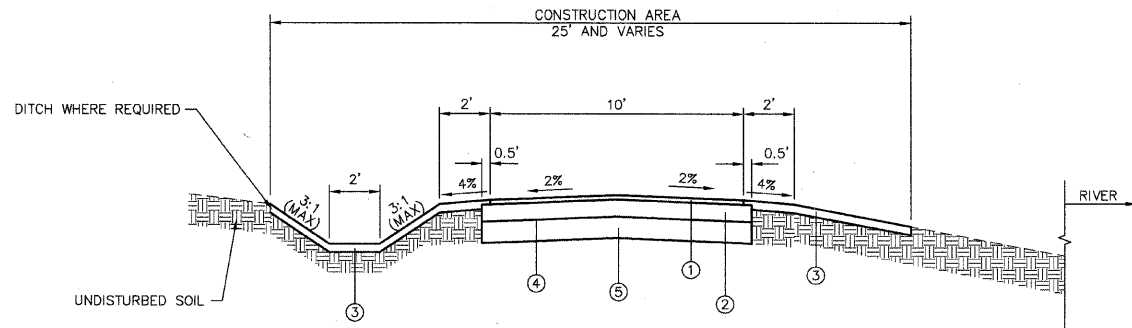
EARTHWORK TABLE

STATION	EARTH EXCAVATION* (CY)	EMBANKMENT** (CY)	TOPSOIL PLACEMENT (CY)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CY)
113+83	4.3	0.0	0.0	5.3
113+96	1.3	0.0	0.0	1.6
114+00	33.4	0.0	0.0	40.7
115+00	64.4	0.0	0.0	40.7
116+00	127.5	0.0	0.0	40.7
125+00	811.6	0.0	0.0	20.4
125+50	859.8	0.0	0.0	20.4
126+00	921.6	0.0	0.0	20.4
126+50	998.4	0.0	0.0	20.4
127+00	1179.5	0.0	0.0	20.4
127+50	1437.9	0.0	0.0	20.4
128+00	1955.8	0.1	0.0	40.7
129+00	446.7	0.1	0.0	40.7
130+00	73.8	0.0	0.0	40.7
131+00	30.0	0.0	0.0	16.7
131+41	42.7	0.0	0.0	24.0
132+00	81.8	0.0	0.0	40.7
133+00	69.8	0.0	0.0	40.7
134+00	33.3	2.2	0.0	40.7
135+00	22.8	2.2	0.0	40.7
136+00	38.8	0.0	0.0	40.7
137+00	29.6	7.0	0.0	40.7
138+00	39.4	7.0	0.0	40.7
139+00	61.2	0.0	0.0	40.7
140+00	47.7	0.0	0.0	40.7
141+00	13.1	0.0	0.0	15.1
141+37	36.1	0.0	0.0	25.7
142+00	66.1	0.0	0.0	40.7
143+00	23.4	26.4	0.0	35.4
143+87	0.0	32.1	0.0	21.6
144+70	0.0	31.2	0.0	16.3
145+10	10.1	36.4	0.0	36.7
146+00	37.8	1.4	0.0	40.7
147+00	4.4	0.0	0.0	4.1
147+10	28.3	0.0	0.0	36.7
148+00	72.9	0.0	0.0	40.7
149+00	71.4	0.1	0.0	40.7
150+00	25.3	0.3	0.0	40.7
151+00	37.9	4.7	0.0	40.7
152+00	61.2	4.6	0.0	40.7
200+00	81.9	0.0	0.0	0.0
200+50	74.6	0.0	0.0	0.0
201+00	9.1	0.0	0.0	0.0
201+08	9.1	0.0	0.0	0.0
300+41	3.0	175.6	0.0	0.0
300+64	0.0	251.1	0.0	0.0
300+78	0.0	543.9	0.0	0.0
301+06	0.0	483.4	0.0	0.0
301+36	0.0	262.1	0.0	0.0
301+57	0.0	121.6	0.0	0.0
301+70	0.0	77.1	0.0	0.0
400+35	0.0	445.3	0.0	0.0
400+51	0.0	615.9	0.0	0.0
400+75	4.3	675.9	0.0	0.0
401+11	4.5	185.0	0.0	0.0
401+25	5.0	154.7	0.0	0.0
TOTAL	10092.6	4147.4	3100.0	1257.7

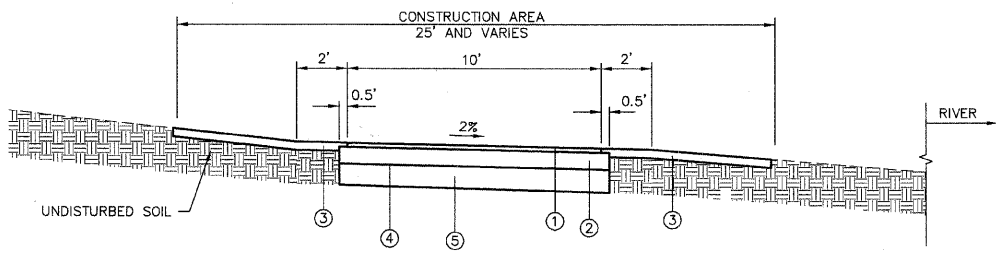
* APPROXIMATELY 3,100 CY OF EARTH EXCAVATION SHALL BE USED FOR TOPSOIL

** APPROXIMATELY 4,000 CY OF EMBANKMENT QUANTITY SHALL BE PAID AS FURNISHED EXCAVATION IF SUITABLE MATERIAL IS NOT FOUND ON SITE AND ONLY AS DIRECTED BY THE ENGINEER

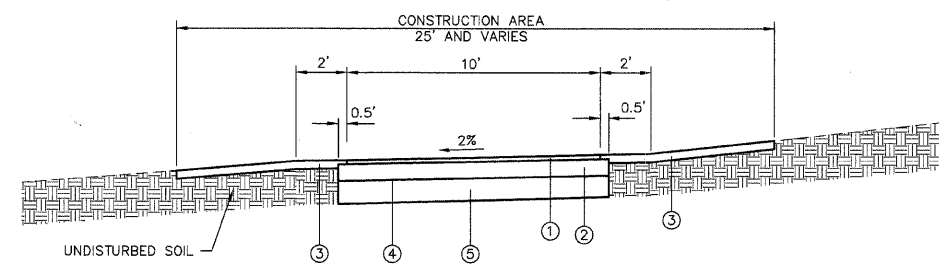
W:\P\Infile\RD\270113 DuPage River Trail\Loc\Phase 1\Summary of Quantities.dwg Updated by: dbusema 2/17/2010



PROPOSED PATH
TYPICAL SECTION (10')
N.T.S.
(STA. 127+50 TO STA. 130+00)
(STA. 143+00 TO STA. 147+10)



PROPOSED PATH
TYPICAL SECTION (10')
N.T.S.
(STA. 120+00 TO STA. 123+00)
(STA. 124+00 TO STA. 125+50)
(STA. 132+00 TO STA. 143+00)
(STA. 149+00 TO STA. 150+00)
(STA. 150+75 TO STA. 151+25)



PROPOSED PATH
TYPICAL SECTION (10')
N.T.S.
(STA. 113+83 TO STA. 120+00)
(STA. 123+00 TO STA. 124+00)
(STA. 125+50 TO STA. 127+50)
(STA. 130+00 TO STA. 132+00)
(STA. 147+10 TO STA. 149+00)
(STA. 150+00 TO STA. 150+75)
(STA. 151+25 TO STA. 152+00)

NOTE: CONTRACTOR TO ENSURE THAT A CLEAR ZONE OF 2 FEET EXISTS ADJACENT TO BOTH SIDES OF THE PATH IN ACCORDANCE WITH AASHTO GUIDELINES.

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 2"
- ② AGGREGATE BASE COURSE, TYPE B, 8"
- ③ TOPSOIL, 6" (FURNISH AND PLACE)
- ④ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.
- ⑤ REMOVAL OF UNSUITABLE MATERIAL. REPLACE WITH PGE AS DIRECTED BY ENGINEER.

	EXISTING	PROPOSED
CURB & GUTTER		
WATER		
GAS		
SANITARY SEWER		
STORM SEWER		
MANHOLE		
CATCH BASIN		
INLET		
VALVE VAULT		
VALVE & BOX		
BUFFALO BOX		
GAS VALVE		
HYDRANT		
HANDICAPPED RAMP		
FILL STRUCTURE		
ADJUST STRUCTURE		
TREE		
TREE REMOVAL		
ELEVATION		
CONTOUR		
EDGE OF WATER		
LIMITS OF CONSTRUCTION		
R.O.W.		
FENCE		
DOUBLE ROW SILT FENCE		
FLOW		
WETLAND FLAG		
RIP RAP		
PROPOSED PATH		

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX-ASPHALT SURFACE COURSE, MIX "C", N50 ; 2" (IL 9.5 MM)	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ. YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



USER NAME =	DESIGNED -- BD	REVISED --
PLOT SCALE =	DRAWN -- DB	REVISED --
PLOT DATE =	CHECKED -- JFM	REVISED --
	DATE -- JANUARY, 2010	REVISED --

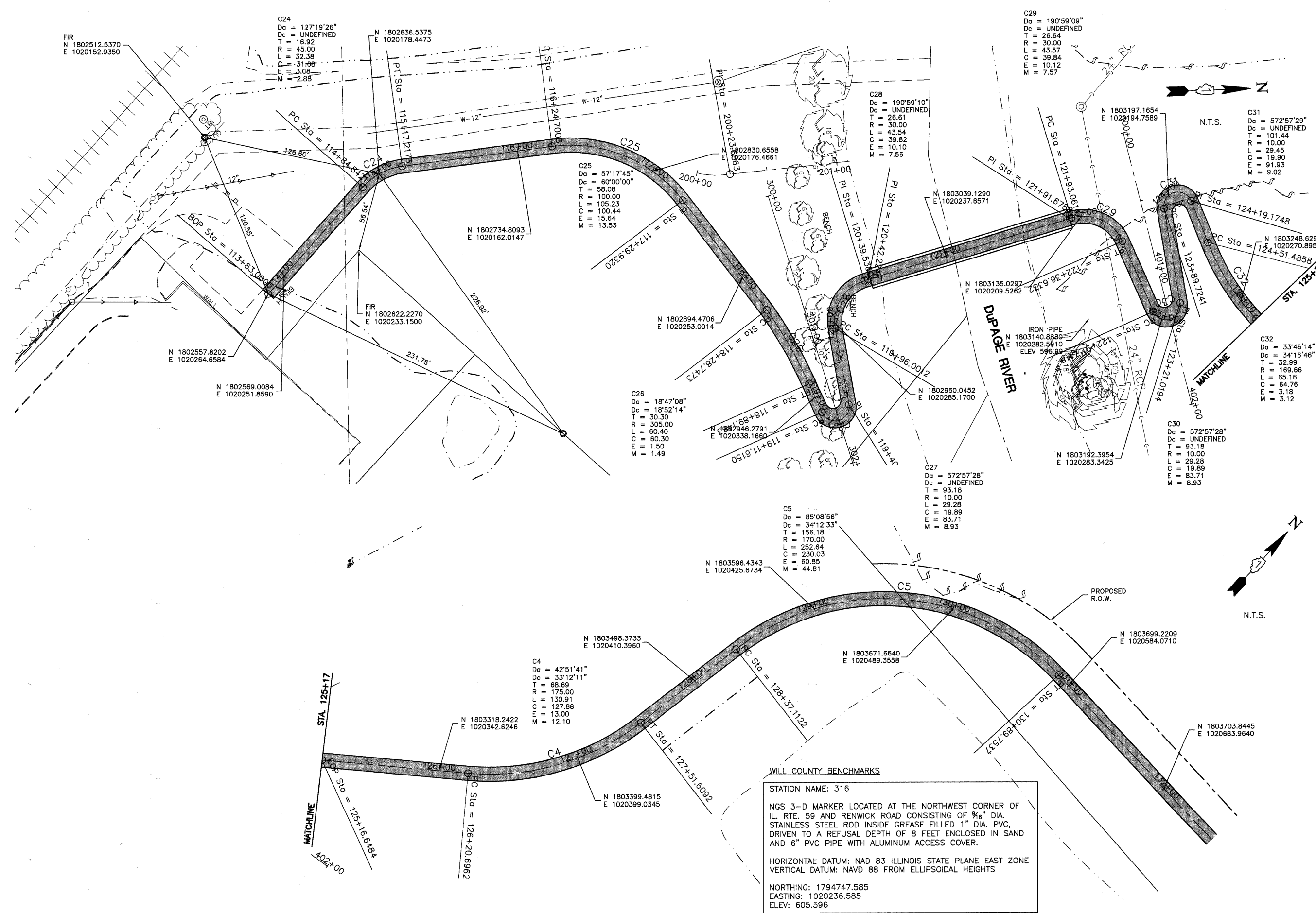
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS AND LEGEND

SCALE: SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	

Updated by: dbusseno 1/14/2010



WILL COUNTY BENCHMARKS

STATION NAME: 316

NGS 3-D MARKER LOCATED AT THE NORTHWEST CORNER OF IL. RTE. 59 AND RENWICK ROAD CONSISTING OF 9/16" DIA. STAINLESS STEEL ROD INSIDE GREASE FILLED 1" DIA. PVC, DRIVEN TO A REFUSAL DEPTH OF 8 FEET ENCLOSED IN SAND AND 6" PVC PIPE WITH ALUMINUM ACCESS COVER.

HORIZONTAL DATUM: NAD 83 ILLINOIS STATE PLANE EAST ZONE
 VERTICAL DATUM: NAVD 88 FROM ELLIPSOIDAL HEIGHTS

NORTHING: 1794747.585
 EASTING: 1020236.585
 ELEV: 605.596



ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME =	DESIGNED -- BD	REVISED --
	PLOT SCALE =	DRAWN -- DB	REVISED --
	PLOT DATE =	CHECKED -- JFM	REVISED --
		DATE -- JANUARY, 2010	REVISED --

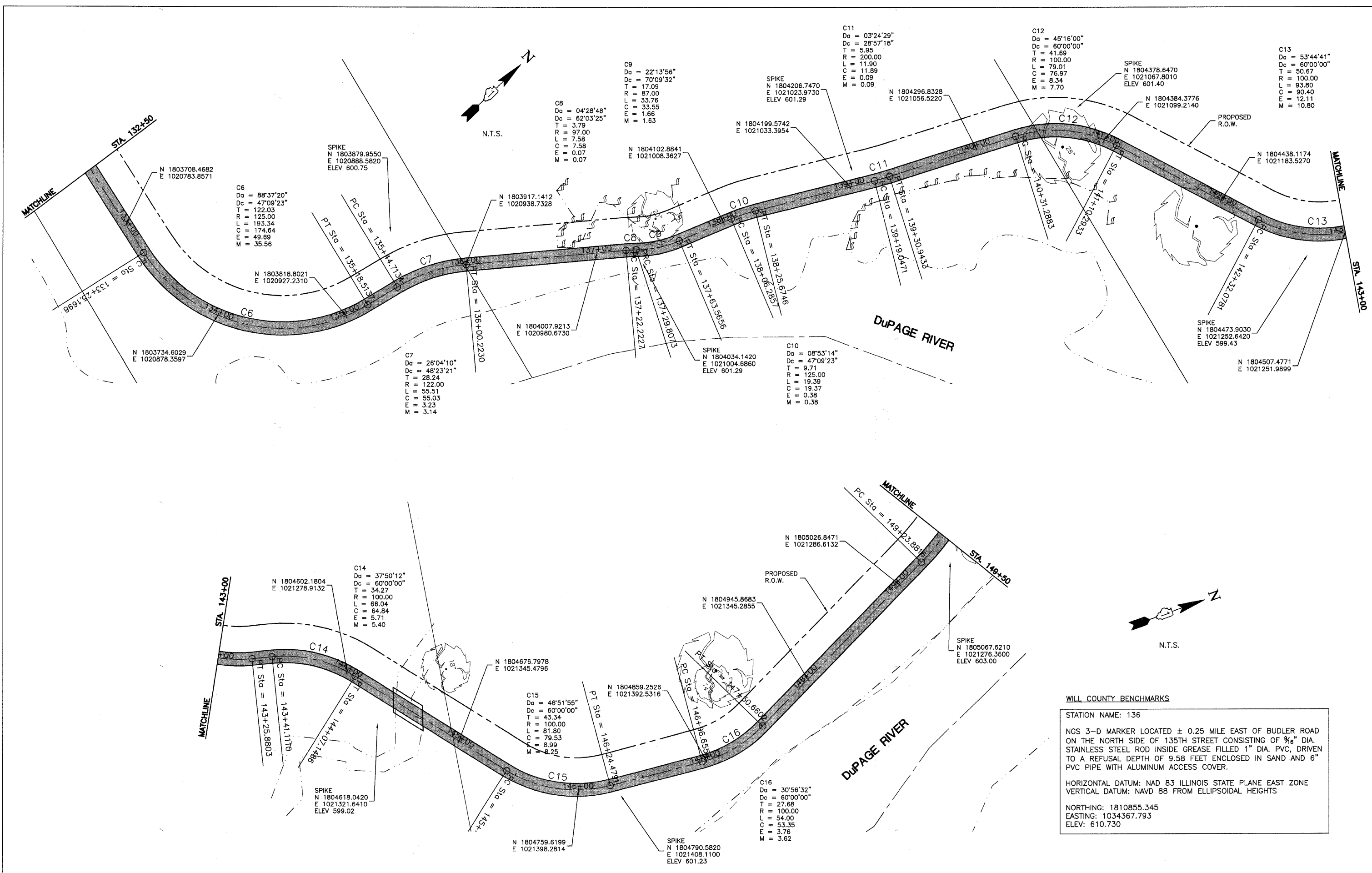
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	

W:\Plotted\2010\13 Dupage River Trail\01-Phase 1\Alignment Ties.dwg Updated by: dbusama 1/14/2010



WILL COUNTY BENCHMARKS

STATION NAME: 136

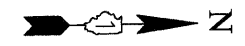
NGS 3-D MARKER LOCATED ± 0.25 MILE EAST OF BUDLER ROAD ON THE NORTH SIDE OF 135TH STREET CONSISTING OF 3/8" DIA. STAINLESS STEEL ROD INSIDE GREASE FILLED 1" DIA. PVC, DRIVEN TO A REFUSAL DEPTH OF 9.58 FEET ENCLOSED IN SAND AND 6" PVC PIPE WITH ALUMINUM ACCESS COVER.

HORIZONTAL DATUM: NAD 83 ILLINOIS STATE PLANE EAST ZONE
 VERTICAL DATUM: NAVD 88 FROM ELLIPSOIDAL HEIGHTS

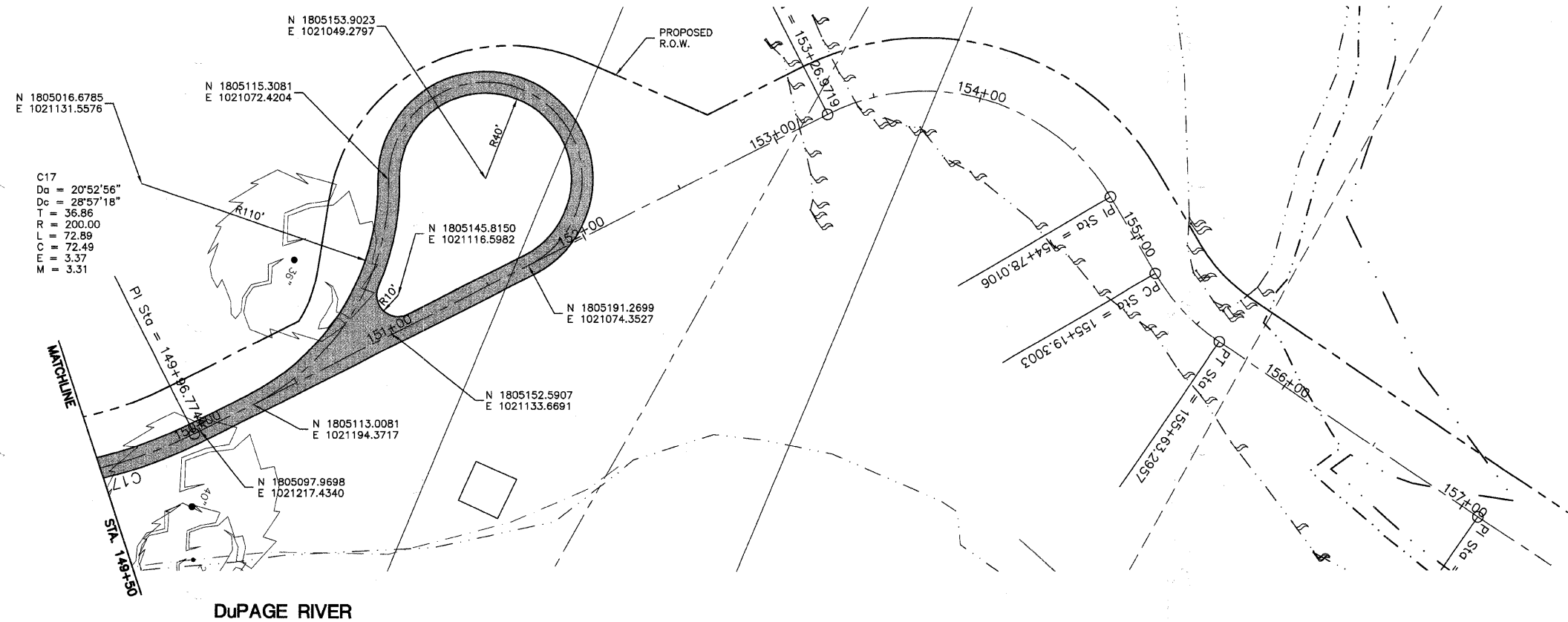
NORTHING: 1810855.345
 EASTING: 1034367.793
 ELEV: 610.730

ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME =	DESIGNED -- BD	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES AND BENCHMARKS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN -- DB	REVISED --		01-P4015-01-BT	WILL	41	6			
	PLOT DATE =	CHECKED -- JFM	REVISED --		CONTRACT NO. 63325						
		DATE -- JANUARY, 2010	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
				SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS							

W:\Planned\2010\13 DuPage River Trail\Lead\Phase 1\Alignment_Ties.dwg Updated by: dbussena 1/14/2010



N.T.S.



WILL COUNTY BENCHMARKS

STATION NAME: 306
 NGS 3-D MARKER LOCATED ± 0.40 MILE EAST OF HEGGS ROAD ON THE SOUTH SIDE OF 135TH STREET CONSISTING OF 3/8" DIA. STAINLESS STEEL ROD INSIDE GREASE FILLED 1" DIA. PVC, DRIVEN TO A REFUSAL DEPTH OF 12 FEET ENCLOSED IN SAND AND 6" PVC PIPE WITH ALUMINUM ACCESS COVER.
 HORIZONTAL DATUM: NAD 83 ILLINOIS STATE PLANE EAST ZONE
 VERTICAL DATUM: NAVD 88 FROM ELLIPSOIDAL HEIGHTS
 NORTHING: 1810010.773
 EASTING: 1004539.356
 ELEV: 672.594



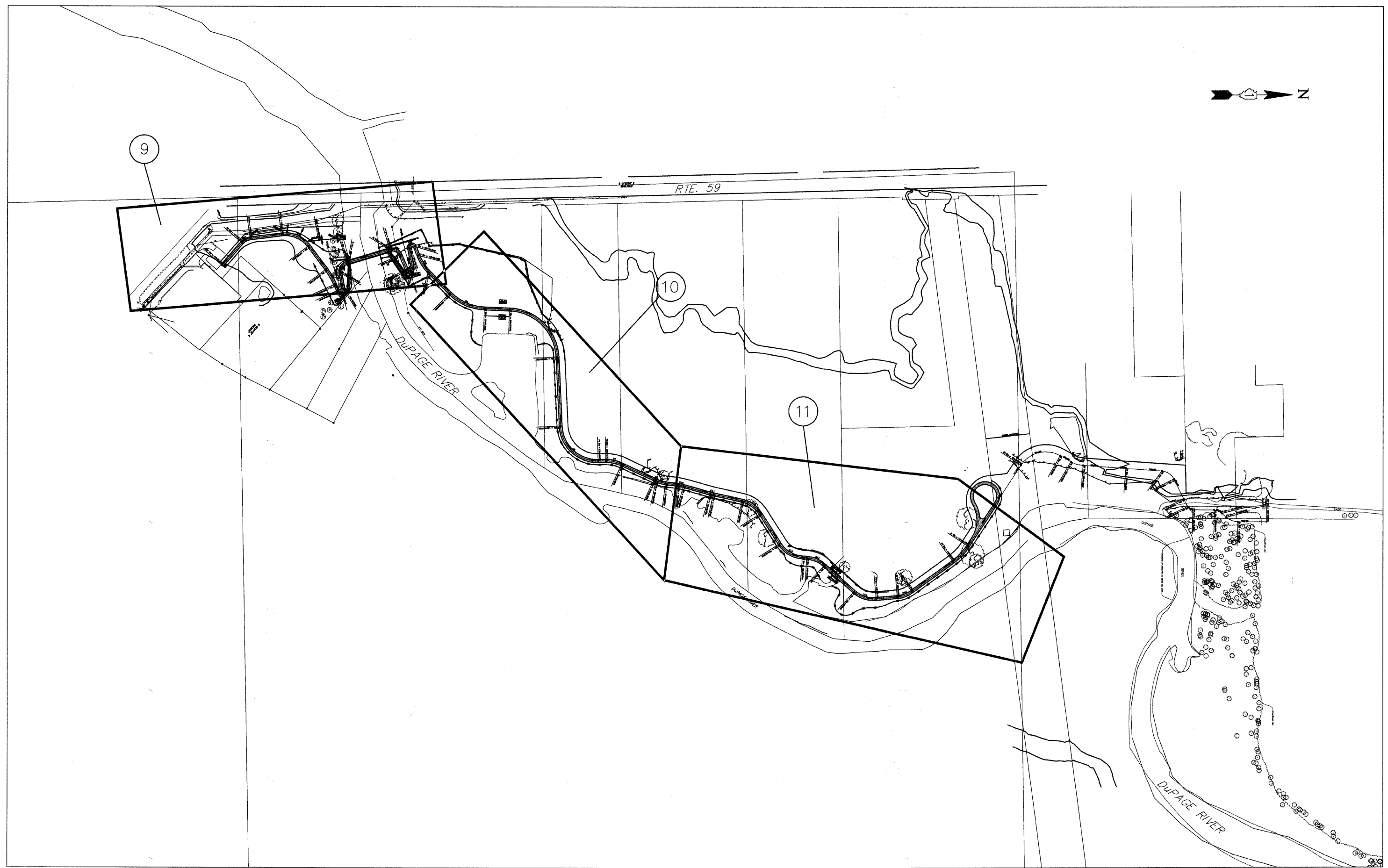
USER NAME =	DESIGNED -- BD	REVISED --
	DRAWN -- DB	REVISED --
PLOT SCALE =	CHECKED -- JFM	REVISED --
PLOT DATE =	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
 SCALE: N.T.S. SHEET NO. 3 OF 3 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	7
CONTRACT NO. 63325				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

W:\P\11111111\201113 DuPage River Trail\Coord\Phase 1\Alignment_Ties.dwg Updated by: abusamra 1/14/2010



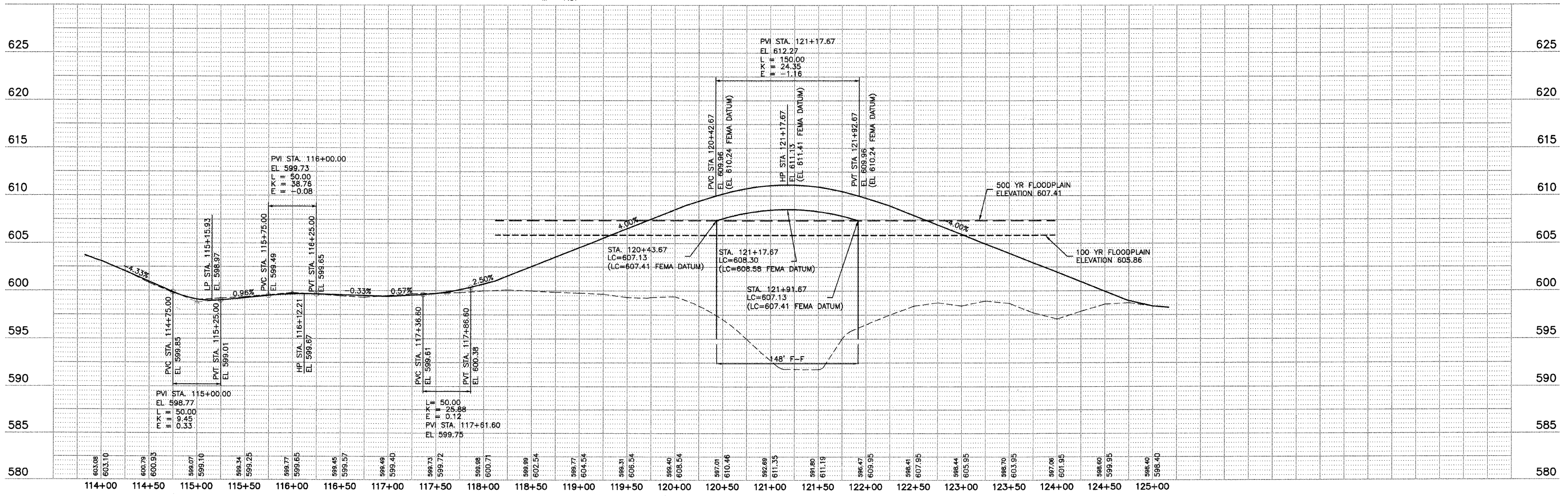
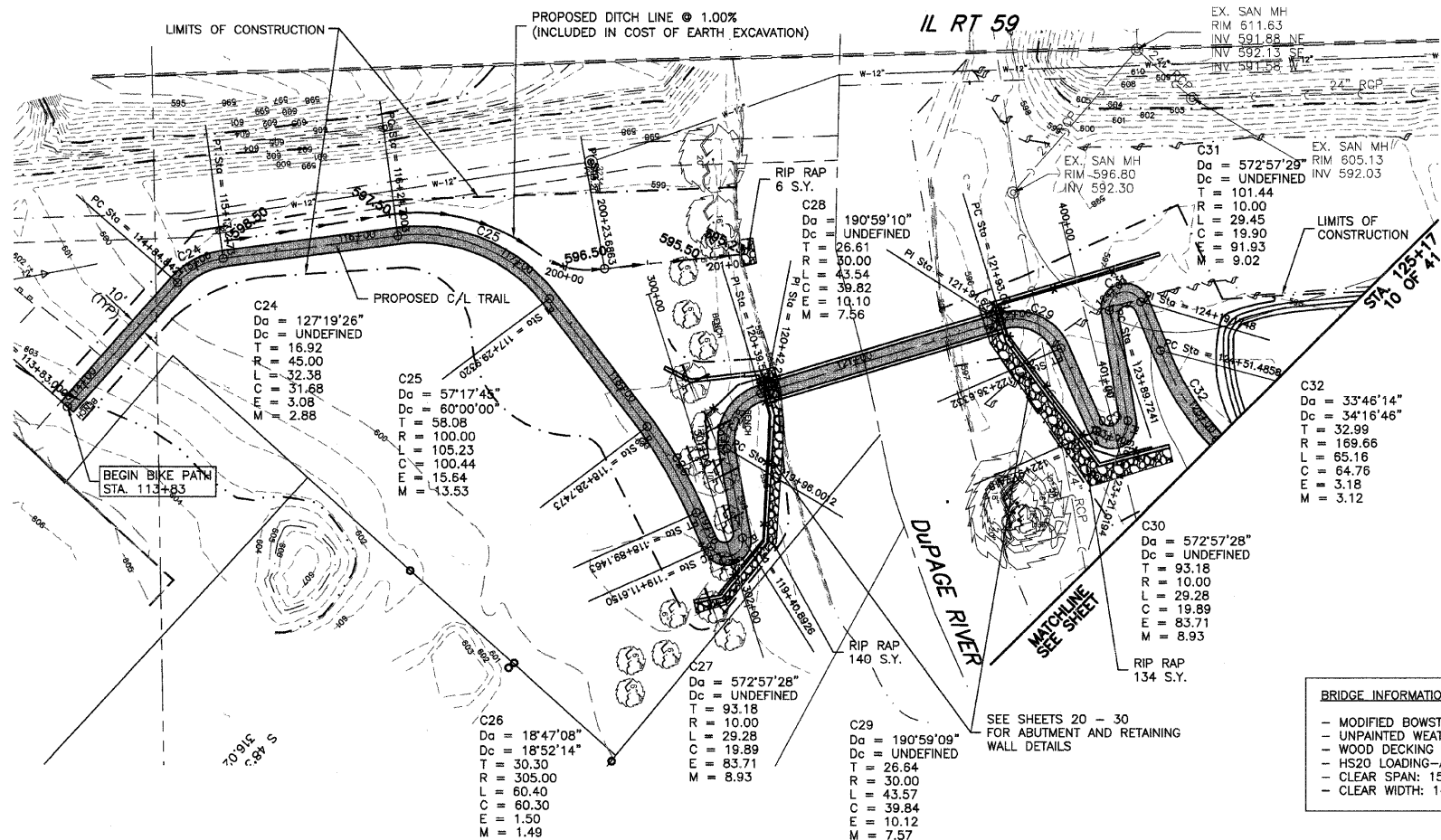
USER NAME =	DESIGNED -- BD	REVISED --
	DRAWN -- DB	REVISED --
PLOT SCALE =	CHECKED -- JFM	REVISED --
PLOT DATE =	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
SHEET KEY

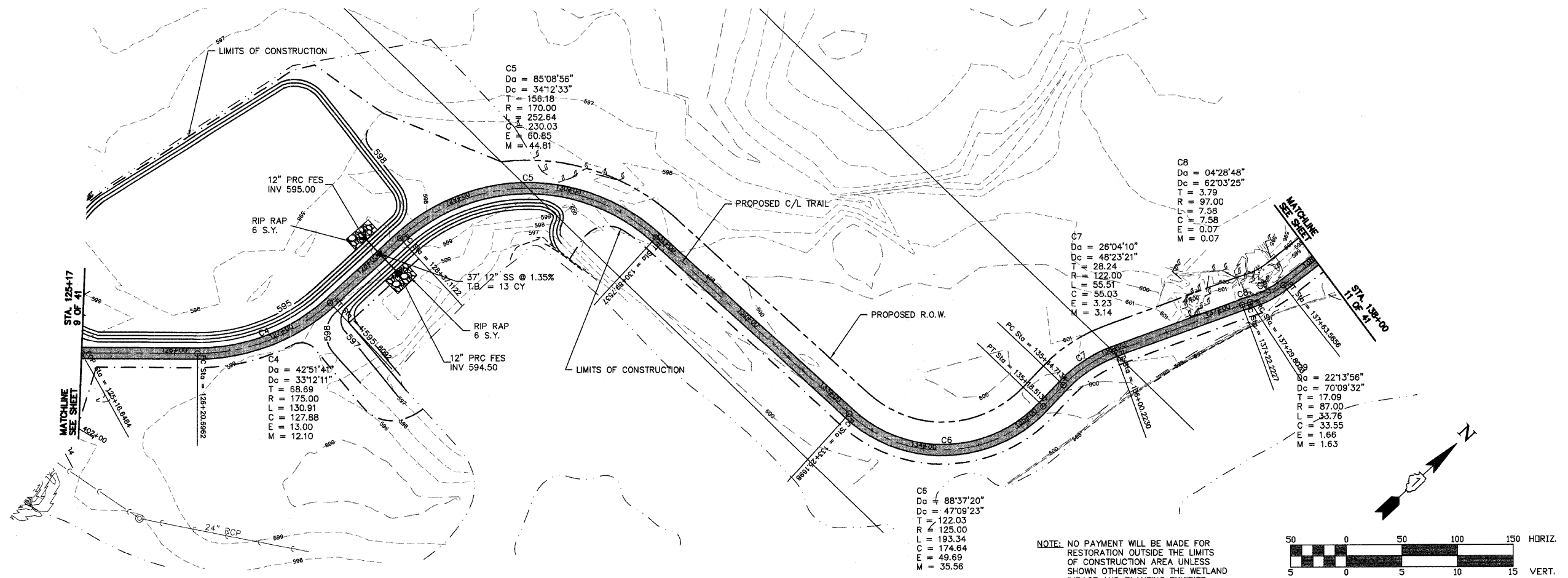
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	

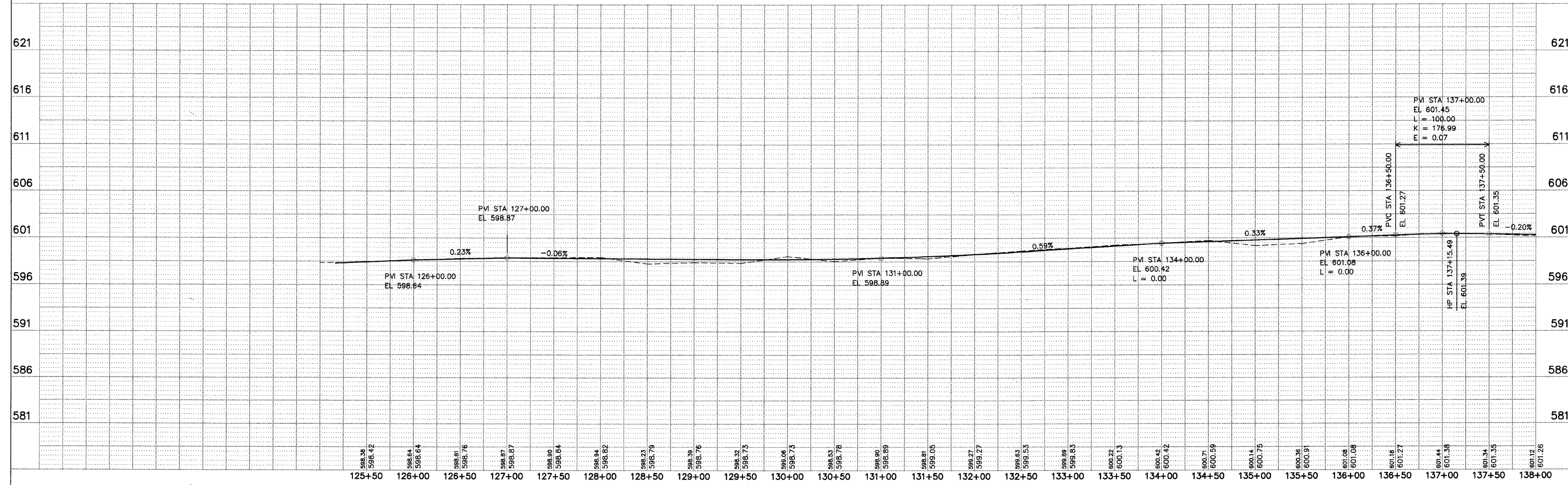
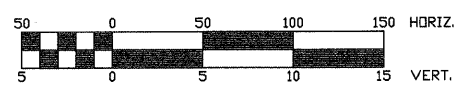


	USER NAME	DESIGNED -- BD	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PATH PLAN AND PROFILE	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 01-P4015-01-BT WILL 41 9		
	PLOT SCALE	DRAWN -- RT/DB	REVISED --				SCALE: 1"=50' SHEET NO. 1 OF 3 SHEETS STA. 113+83 TO STA. 125+17	
	PLOT DATE	CHECKED -- JFM	REVISED --					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
		DATE -- JANUARY, 2010	REVISED --					

W:\P\1015\1015_P4015_Dupage_River_Trial\Case\Phase 1\PC\2010.dwg Updated by: dbusarna 1/14/2010



NOTE: NO PAYMENT WILL BE MADE FOR RESTORATION OUTSIDE THE LIMITS OF CONSTRUCTION AREA UNLESS SHOWN OTHERWISE ON THE WETLAND IMPACT AND PLANTING EXHIBITS.



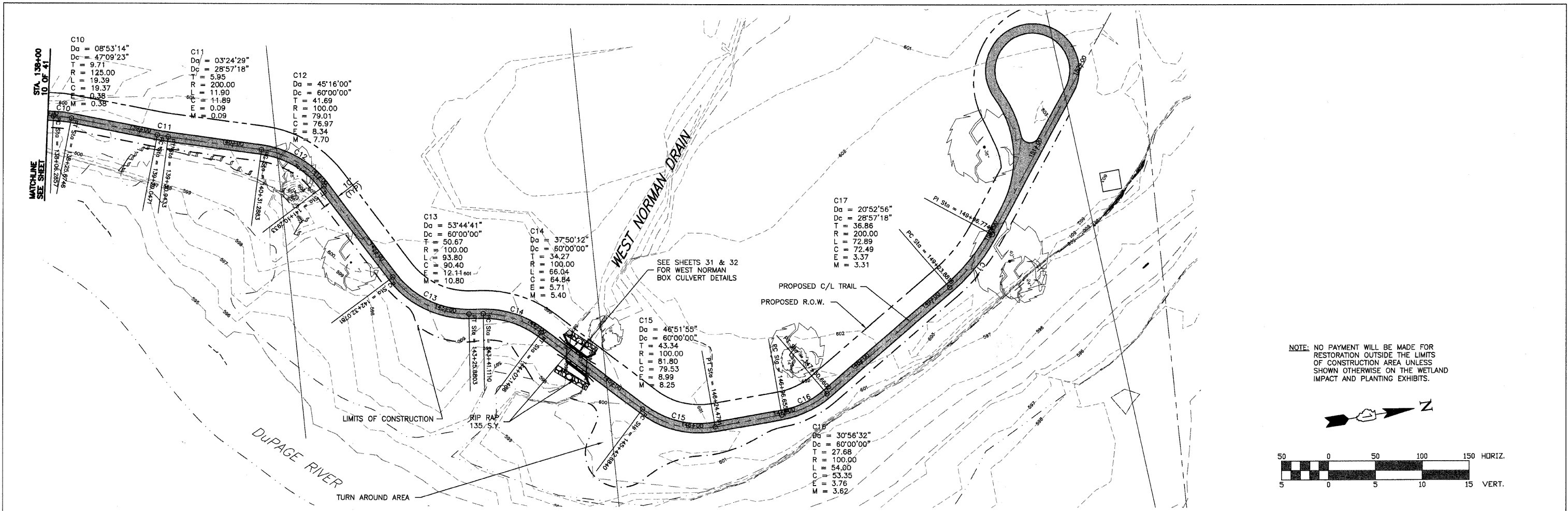
USER NAME =	DESIGNED — BD	REVISED —
PLOT SCALE =	DRAWN — RT/DB	REVISED —
PLOT DATE =	CHECKED — JFM	REVISED —
	DATE — JANUARY, 2010	REVISED —

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

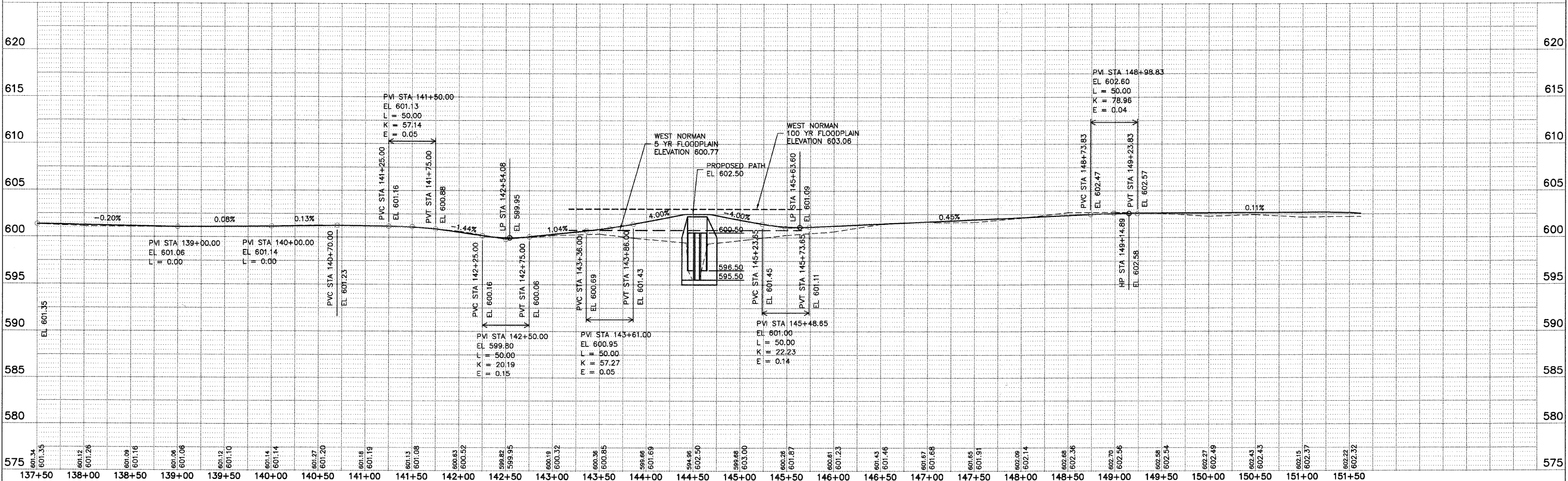
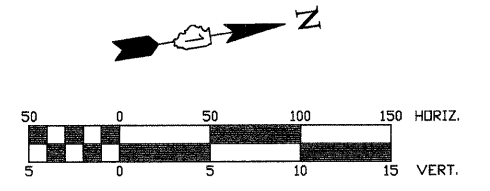
PROPOSED PATH PLAN AND PROFILE		
SCALE: 1"=50'	SHEET NO. 2 OF 3 SHEETS	STA. 125+17 TO STA. 138+00

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	

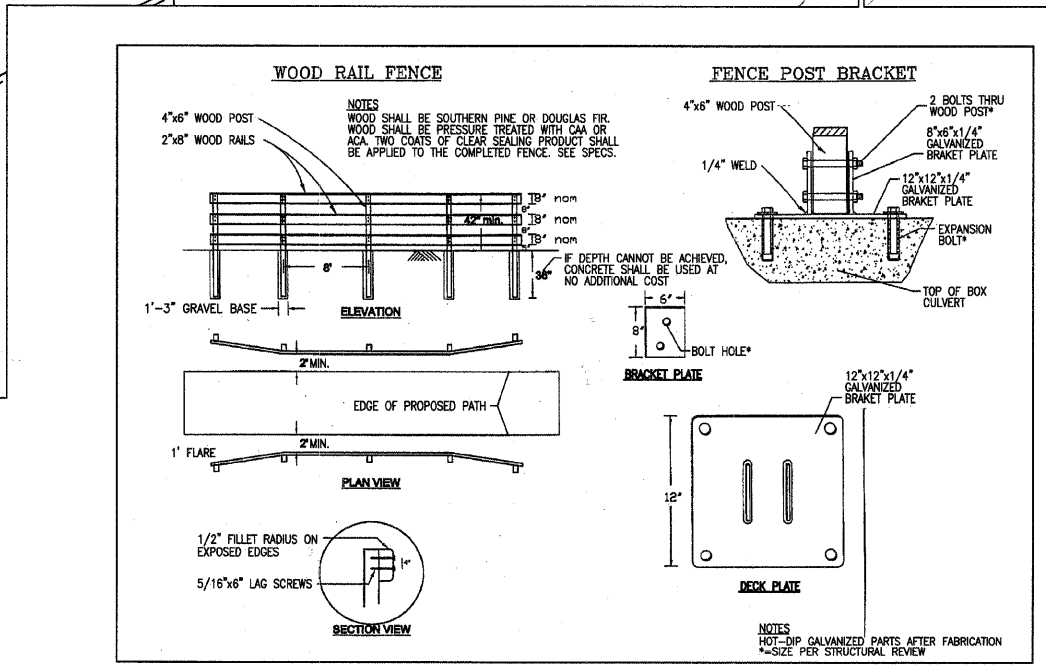
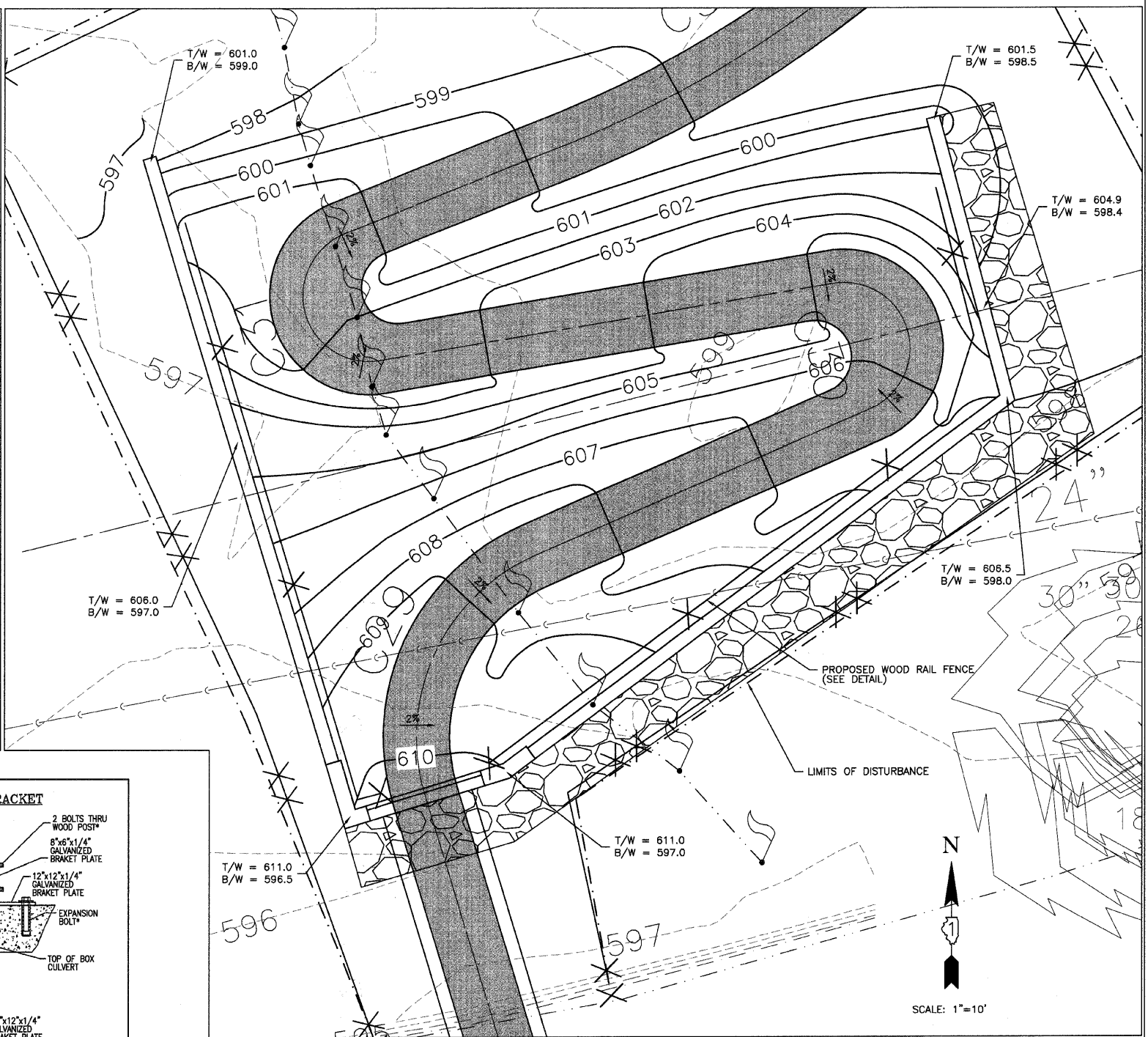
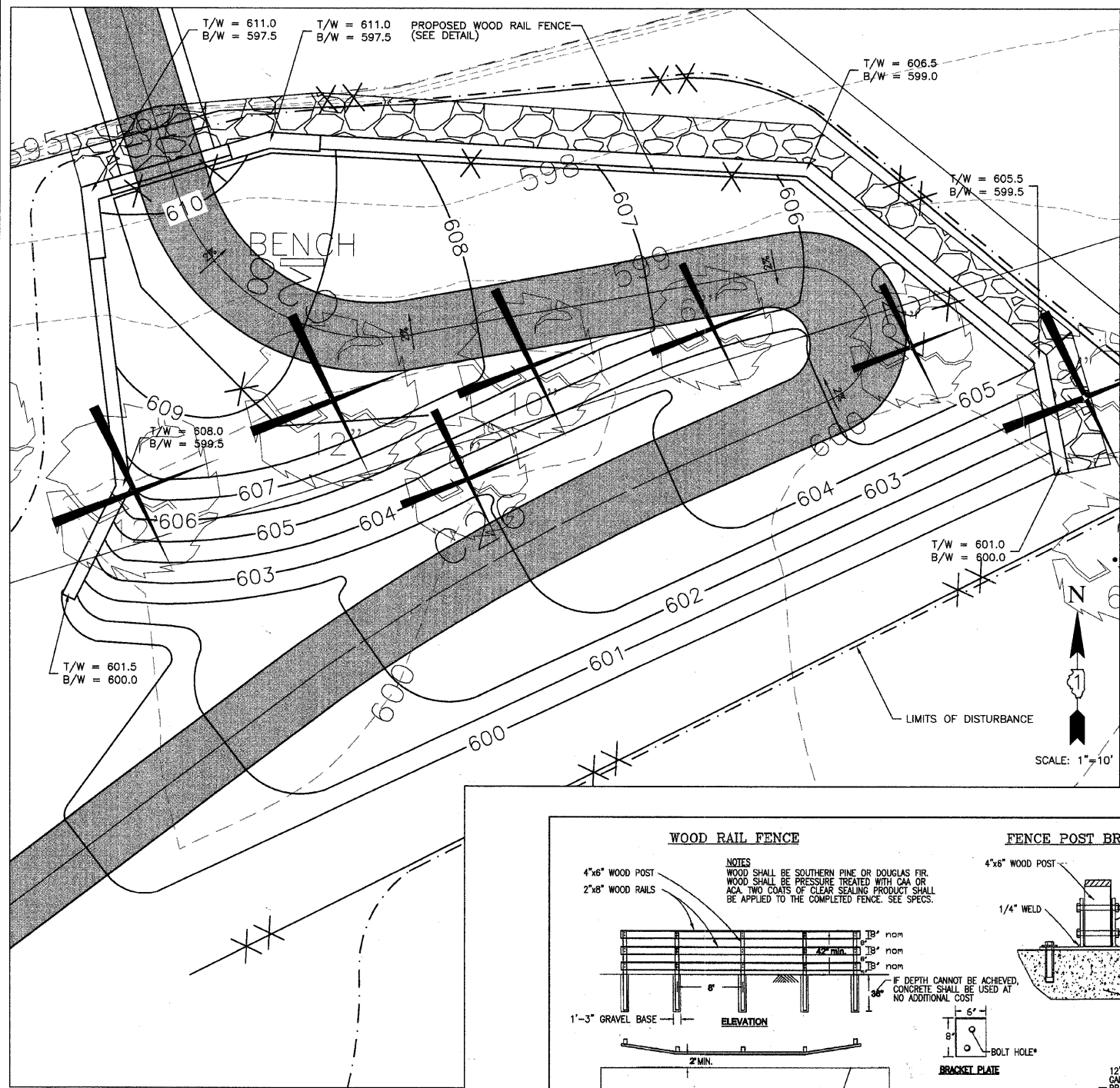
W:\Printed\2013\Durage River Trail\13 Durage River Trail\13.dwg Updated by: dbusarna 1/14/2010



NOTE: NO PAYMENT WILL BE MADE FOR RESTORATION OUTSIDE THE LIMITS OF CONSTRUCTION AREA UNLESS SHOWN OTHERWISE ON THE WETLAND IMPACT AND PLANTING EXHIBITS.

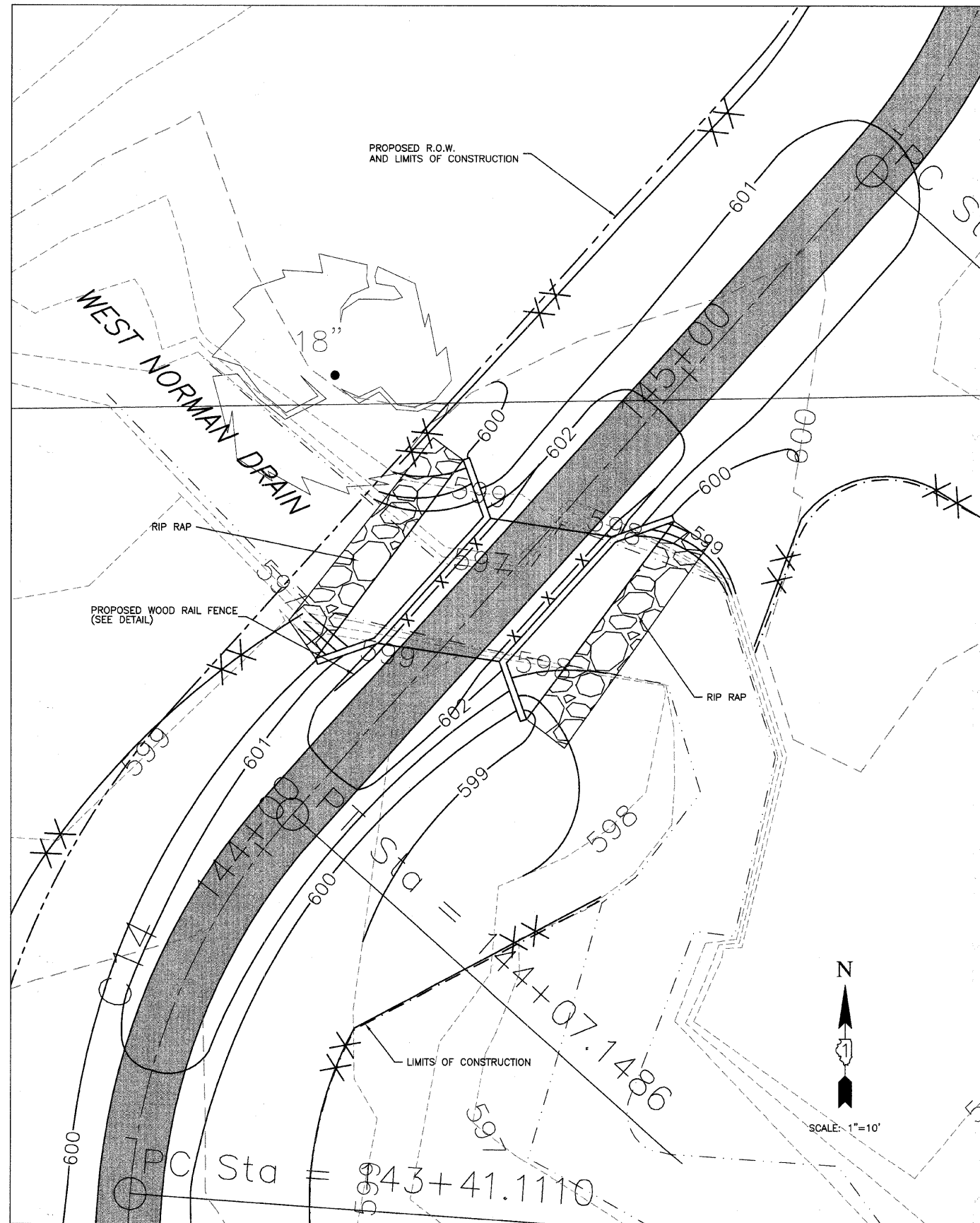


<p>ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS</p>	USER NAME =	DESIGNED — BD	REVISED —	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>PROPOSED PATH PLAN AND PROFILE</p>	F.A. —	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN — RT/DB	REVISED —			01-P4015-01-BT	WILL	41	11	
	PLOT DATE =	CHECKED — JFM	REVISED —			CONTRACT NO. 63325				
		DATE — JANUARY, 2010	REVISED —			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

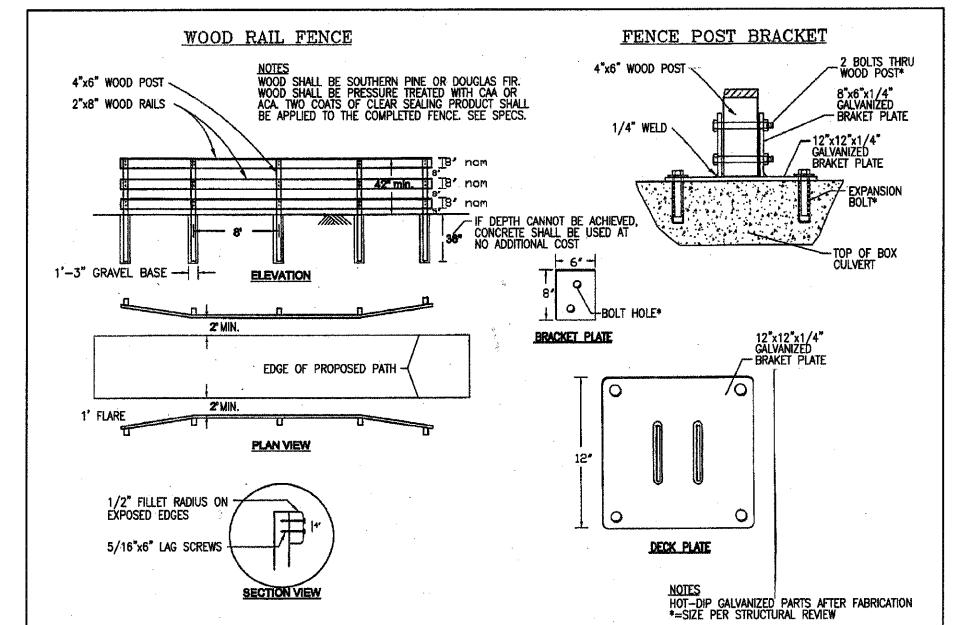


PATH APPROACH SOUTH OF BRIDGE

PATH APPROACH NORTH OF BRIDGE

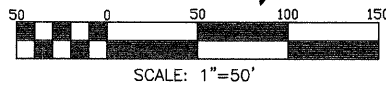
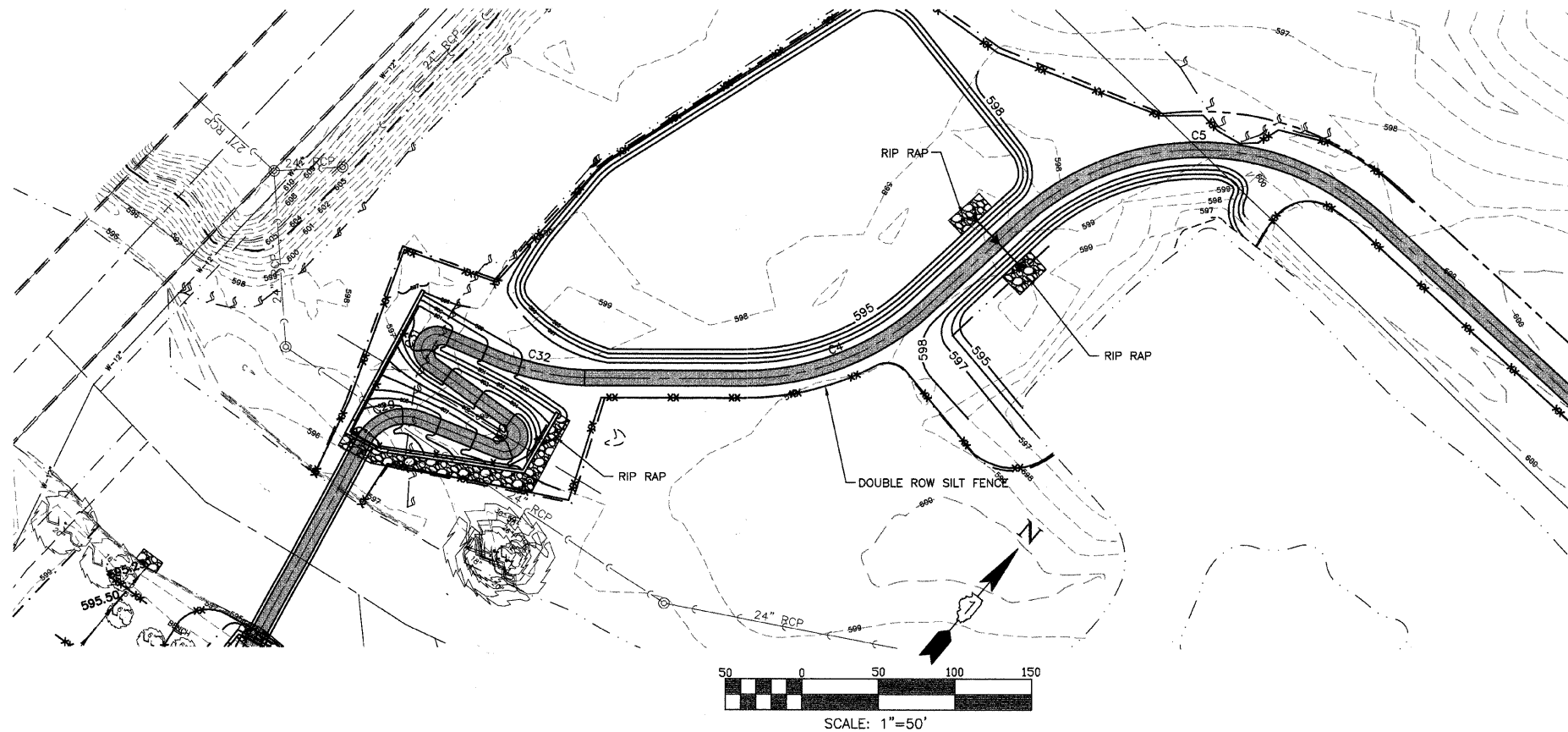
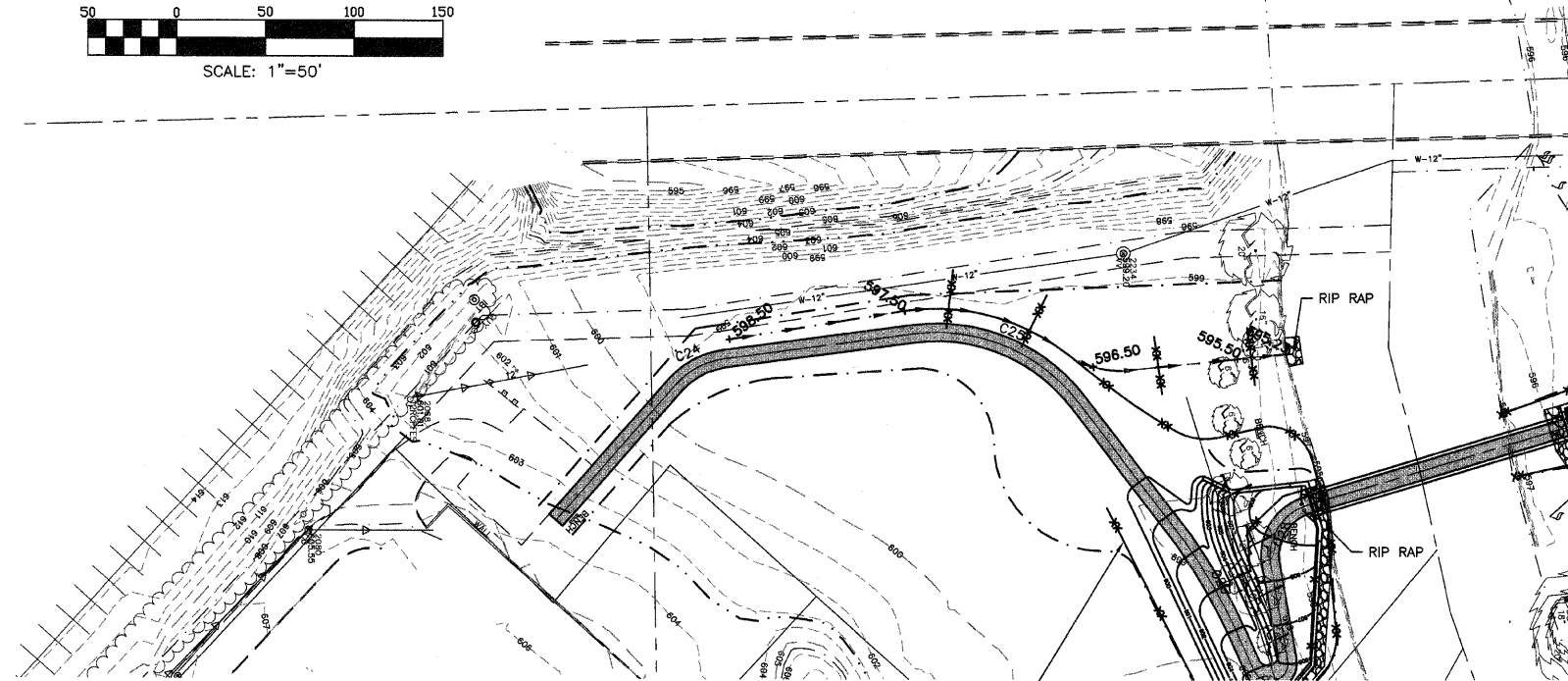
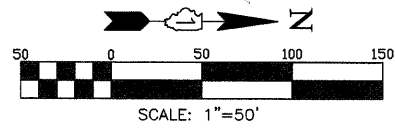


WEST NORMAN CROSSING



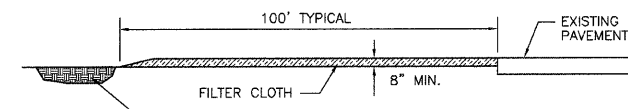
<p>ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS</p>	USER NAME =	DESIGNED — BD	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEST NORMAN CROSSING GRADING DETAIL			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN — DB	REVISED —		01-P4015-01-BT	WILL	41	13				
	PLOT DATE =	CHECKED — JFM	REVISED —		SCALE: 1"=10' SHEET NO. 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 63325				
		DATE — JANUARY, 2010	REVISED —		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

W:\Projects\2010\13 DuPage River Trail\cadd\Phase 1\270113.DWG Updated by: dbusarna 1/14/2010

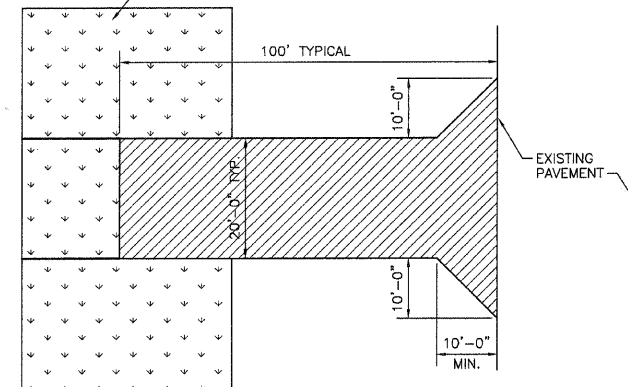


EROSION CONTROL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 07-182 OF THE VILLAGE OF PLAINFIELD SUBDIVISION AND STORMWATER ORDINANCE, EFFECTIVE SEPTEMBER 24, 1991 AND ALL SUBSEQUENT REVISIONS. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 250 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT ILR40.
2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
4. ALL DISTURBED AREAS SHALL BE SEEDED OR SOEDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODIBLE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. ERODIBLE AREAS OUTSIDE AND DOWN SLOPE FROM THE CONSTRUCTION LIMITS MAY BE SIMILARLY SEEDED. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS TO REMAIN FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF IN WETLANDS.
6. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
7. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
8. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
9. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
10. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
11. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
12. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WITHIN 72 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
13. THE COST OF REPAIRING OR REMOVING SEDIMENT FROM EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
14. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.



CONSTRUCTION ENTRANCE SPECIFICATIONS



1. THE ENTRANCE SHALL BE IN PLACE PRIOR TO ANY SITE GRADING ACTIVITIES.
2. STONE SIZE - USE 2" STONE, OR RECYCLE CONCRETE EQUIVALENT.
3. THICKNESS - NOT LESS THAN 8".
4. FILTER FABRIC - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED INTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
6. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
8. THE ENTRANCE SHALL BE UTILIZED BY ALL CONSTRUCTION TRAFFIC UNTIL PERMANENT PAVEMENTS ARE IN PLACE.

STABILIZED TEMPORARY CONSTRUCTION ENTRANCE

NOT TO SCALE

		LEGEND	
		EXISTING	PROPOSED
TREE			
ELEVATION	+ xxx.x	+ xxx.x	+ xxx.x
CONTOUR	--- xxx ---	--- xxx ---	--- xxx ---
EDGE OF WATER	-----	-----	-----
FENCE	x x x x x	x x x x x	x x x x x
DOUBLE ROW SILT FENCE	x x x x x	x x x x x	x x x x x
FLOW	→	→	→
WETLAND FLAG			
RIP RAP			
PROPOSED PATH			



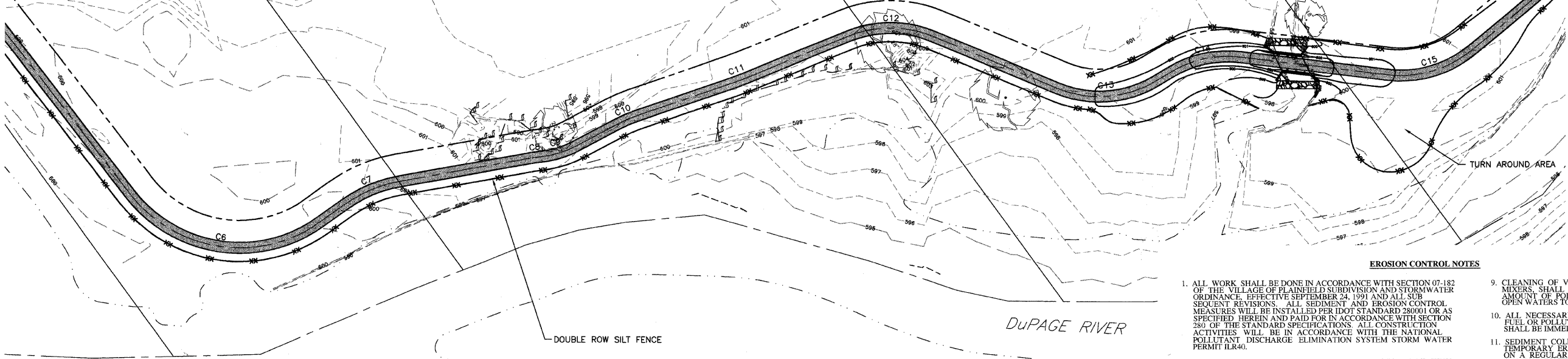
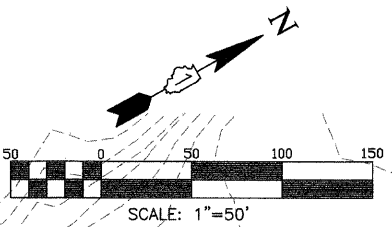
ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME =	DESIGNED -- BD	REVISED --
		DRAWN -- DB	REVISED --
	PLOT SCALE =	CHECKED -- JFM	REVISED --
	PLOT DATE =	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN

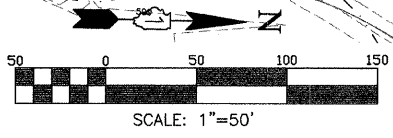
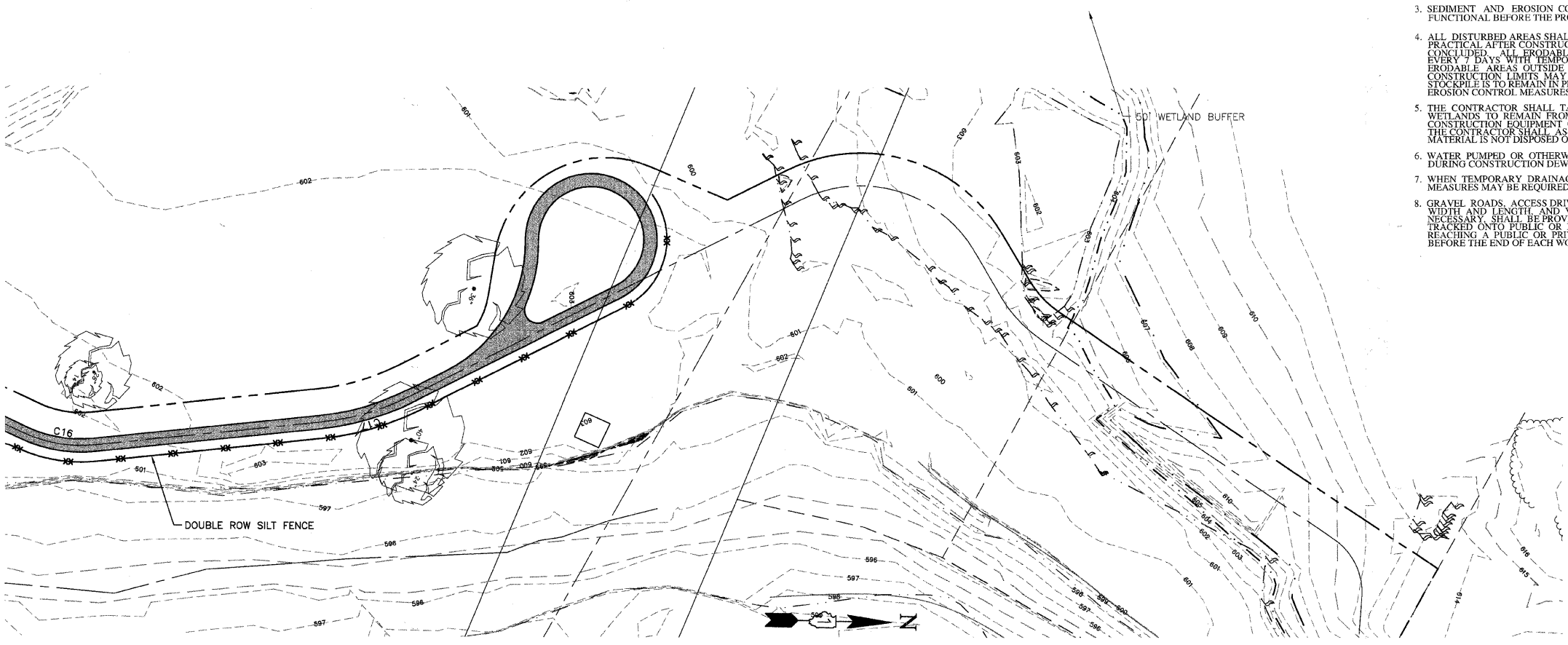
SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	14
CONTRACT NO. 63325				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EROSION CONTROL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 07-182 OF THE VILLAGE OF PLAINFIELD SUBDIVISION AND STORMWATER ORDINANCE, EFFECTIVE SEPTEMBER 24, 1991 AND ALL SUBSEQUENT REVISIONS. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT ILR40.
- EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
- SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
- ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODIBLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. ERODIBLE AREAS OUTSIDE AND DOWN SLOPE FROM THE CONSTRUCTION LIMITS MAY BE SIMILARLY SEEDED. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS TO REMAIN FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF IN WETLANDS.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DRAINAGE SHALL BE FILTERED.
- WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
- GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
- CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
- ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
- THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WITHIN 72 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
- THE COST OF REPAIRING OR REMOVING SEDIMENT FROM EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
- ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.



LEGEND		
EXISTING	PROPOSED	
TREE		
ELEVATION	+ XXX.X	+ XXX.X
CONTOUR	- - - XXX - - -	— XXX —
EDGE OF WATER	- - - - -	- - - - -
FENCE	- x - x - x -	- x - x - x -
DOUBLE ROW SILT FENCE	- x x - x x - x x -	- x x - x x - x x -
FLOW	⇒	⇒
WETLAND FLAG		
RIP RAP		
PROPOSED PATH		



USER NAME =	DESIGNED — BD	REVISED —
PLOT SCALE =	DRAWN — DB	REVISED —
PLOT DATE =	CHECKED — JFM	REVISED —
	DATE — JANUARY, 2010	REVISED —

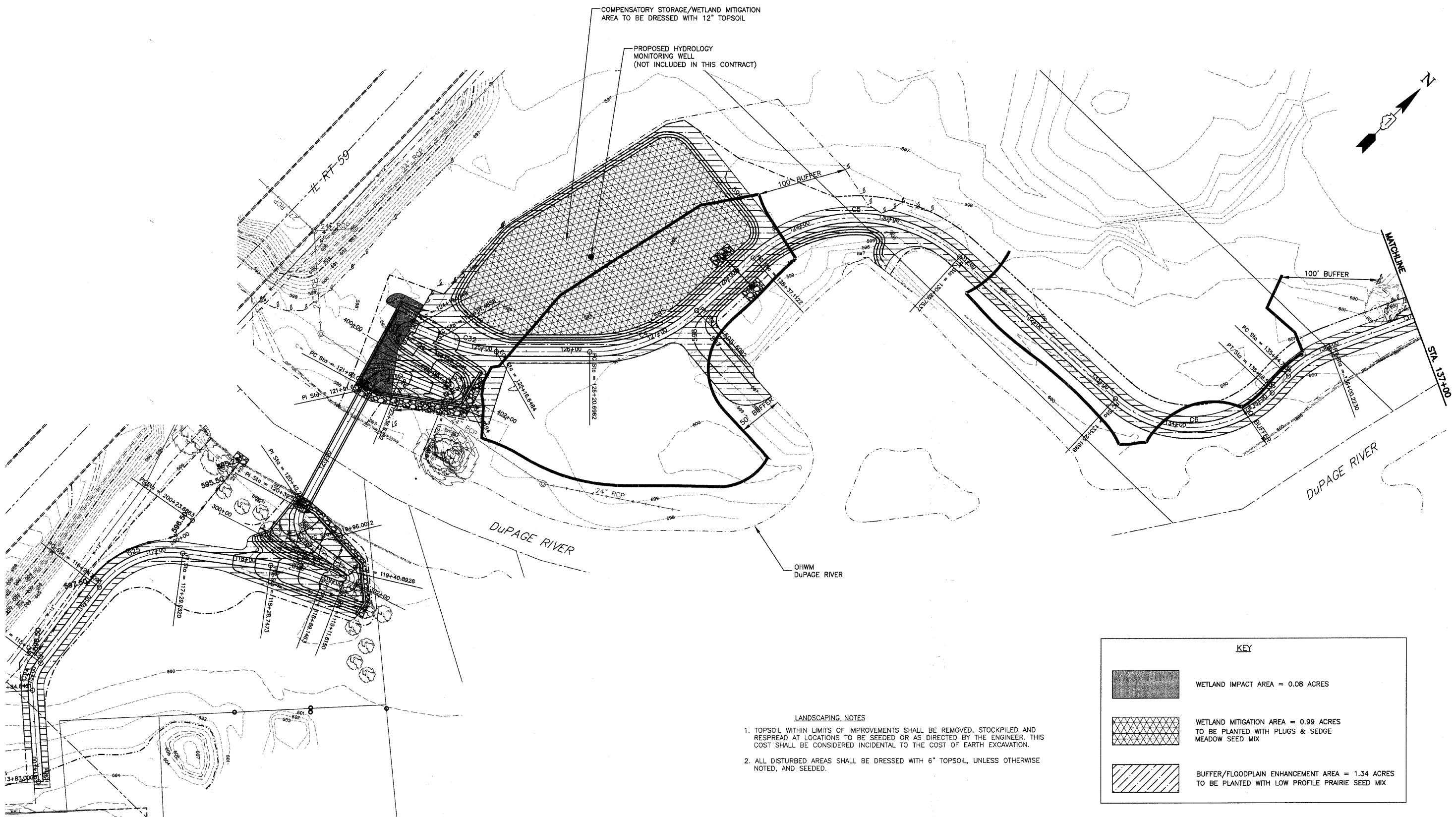
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS

F.A.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	15
CONTRACT NO. 63325				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

W:\plainfield\270113 DuPage River Trail\cadd\Phase 1\Erosion Control Plan.dwg Updated by: abusema 1/14/2010



COMPENSATORY STORAGE/WETLAND MITIGATION
AREA TO BE DRESSED WITH 12" TOPSOIL

PROPOSED HYDROLOGY
MONITORING WELL
(NOT INCLUDED IN THIS CONTRACT)

LANDSCAPING NOTES

1. TOPSOIL WITHIN LIMITS OF IMPROVEMENTS SHALL BE REMOVED, STOCKPILED AND RESPREAD AT LOCATIONS TO BE SEEDDED OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE COST OF EARTH EXCAVATION.
2. ALL DISTURBED AREAS SHALL BE DRESSED WITH 6" TOPSOIL, UNLESS OTHERWISE NOTED, AND SEEDDED.

KEY	
	WETLAND IMPACT AREA = 0.08 ACRES
	WETLAND MITIGATION AREA = 0.99 ACRES TO BE PLANTED WITH PLUGS & SEDGE MEADOW SEED MIX
	BUFFER/FLOODPLAIN ENHANCEMENT AREA = 1.34 ACRES TO BE PLANTED WITH LOW PROFILE PRAIRIE SEED MIX



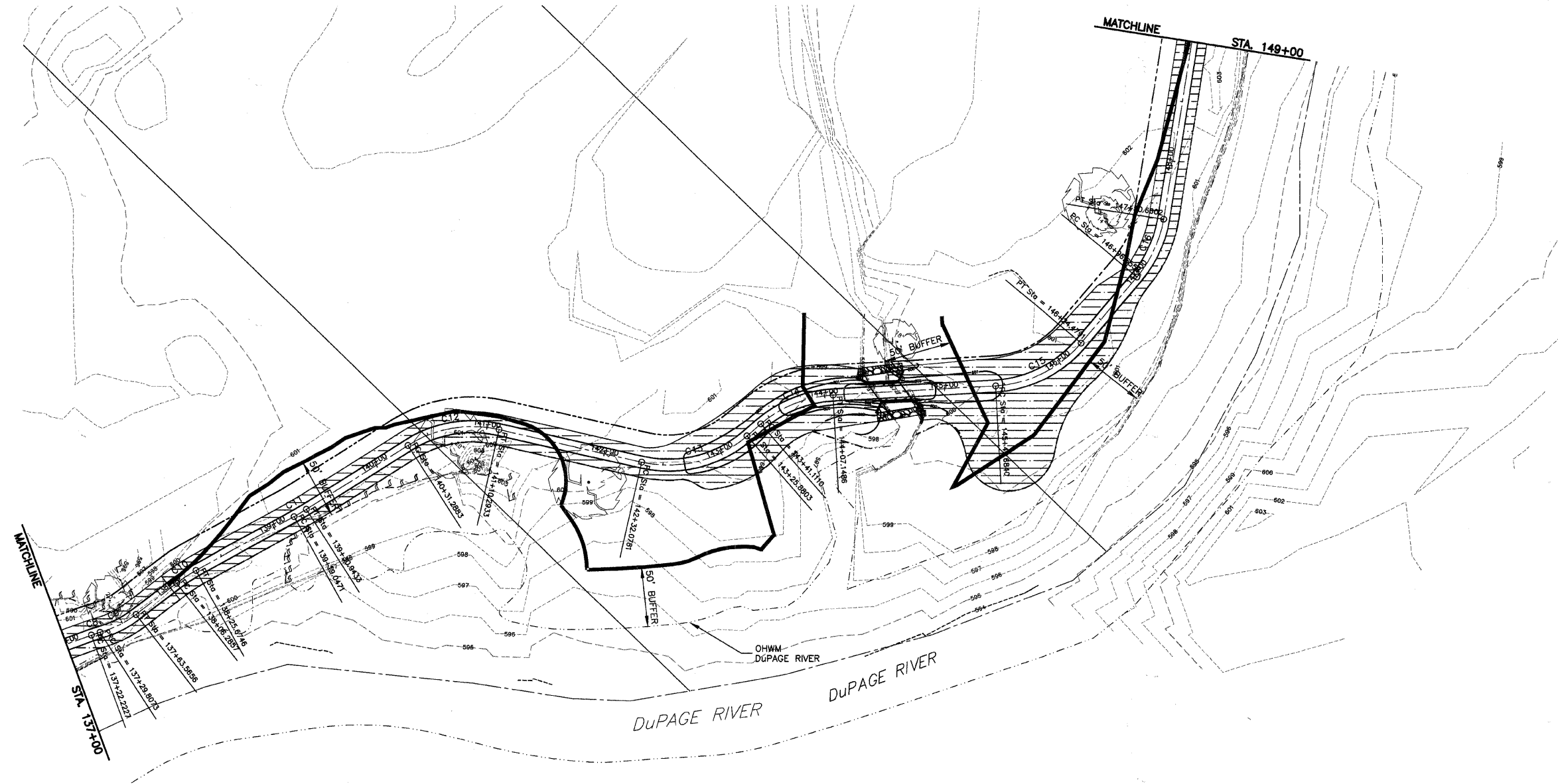
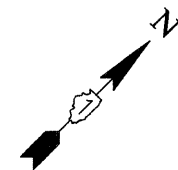
ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME =	DESIGNED -- EP	REVISED --
	PLOT SCALE =	DRAWN -- DB	REVISED --
	PLOT DATE =	CHECKED -- EP	REVISED --
		DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WETLAND IMPACT AND PLANTING EXHIBIT		
SCALE: 1" = 50'	SHEET NO. 1 OF 3 SHEETS	STA. 122+00 TO STA. 138+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	16
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	


W:\planfile\2010\13 DuPage River Trail\04\Phase 1\Impact Plans.dwg Updated by: abasano 1/14/2010



LANDSCAPING NOTES

1. TOPSOIL WITHIN LIMITS OF IMPROVEMENTS SHALL BE REMOVED, STOCKPILED AND RESPREAD AT LOCATIONS TO BE SEEDED OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE COST OF EARTH EXCAVATION.
2. ALL DISTURBED AREAS SHALL BE DRESSED WITH 6" TOPSOIL, UNLESS OTHERWISE NOTED, AND SEEDED.

KEY

 BUFFER/FLOODPLAIN ENHANCEMENT AREA = 0.71 ACRES TO BE PLANTED WITH LOW PROFILE PRAIRIE SEED MIX

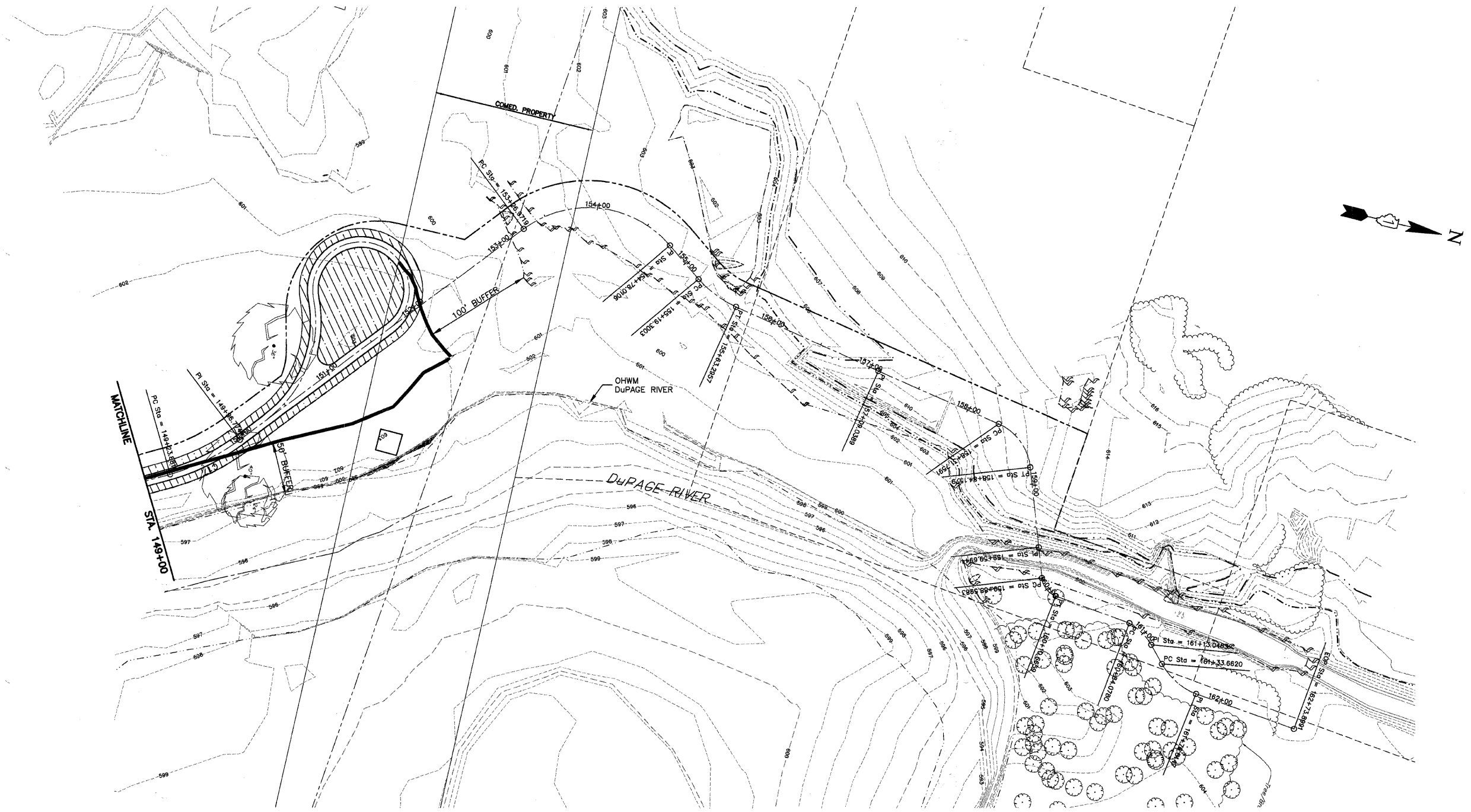


USER NAME =	DESIGNED -- EP	REVISED --
PLOT SCALE =	DRAWN -- DB	REVISED --
PLOT DATE =	CHECKED -- EP	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WETLAND IMPACT AND PLANTING EXHIBIT
SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. 138+00 TO STA. 149+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	17
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	



LANDSCAPING NOTES

1. TOPSOIL WITHIN LIMITS OF IMPROVEMENTS SHALL BE REMOVED, STOCKPILED AND RESPREAD AT LOCATIONS TO BE SEEDDED OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE CONSIDERED INCIDENTAL TO THE COST OF EARTH EXCAVATION.
2. ALL DISTURBED AREAS SHALL BE DRESSED WITH 6" TOPSOIL, UNLESS OTHERWISE NOTED, AND SEEDDED.

KEY



BUFFER/FLOODPLAIN ENHANCEMENT AREA = 0.27 ACRES
TO BE PLANTED WITH LOW PROFILE PRAIRIE SEED MIX



ENGINEERING
RESOURCE
ASSOCIATES, INC.
CONSULTING ENGINEERS, SCIENTISTS
& SURVEYORS

USER NAME =	DESIGNED -- EP	REVISED --
PLOT SCALE =	DRAWN -- DB	REVISED --
PLOT DATE =	CHECKED -- EP	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WETLAND IMPACT AND PLANTING EXHIBIT

SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. 149+00 TO STA. 151+62

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	

SOIL MANAGEMENT

AS THE SOILS ARE HYDRIC WITHIN THE PROPOSED WETLAND MITIGATION AREA NO OUTSIDE SOILS ARE NEEDED. ALL EXCAVATION WORK SHALL BE EXECUTED DURING DRY WEATHER. THE CONTRACTOR SHALL TAKE MEASUREMENTS TO MINIMIZE OVER WORKING AND COMPACTION OF PLACED SOIL. EQUIPMENT USED FOR EXCAVATION SHALL BE WITH LOW PSI EQUIPMENT (E.G. CATERPILLAR 287B OR EQUIVALENT).

FINAL GRADE IS EXPECTED TO CONFORM, AFTER NATURAL COMPACTION, TO ELEVATIONS AND CONTOURS DELINEATED ON THE GRADING PLAN. PRIOR TO SEEDING, THE SOIL SURFACE SHALL BE ROUGH RAKED TO ENHANCE RETENTION OF SURFACE WATER.

HYDROLOGY PLAN

THE DUPAGE RIVER AND ASSOCIATED WETLANDS ARE LOCATED ADJACENT TO THE MITIGATION AREA. AS THE RIVER HAS DOWN CUT THE WETLANDS LOCATED ON THE RIVER BANKS HAVE LOST MUCH OF THEIR HYDROLOGY, AS SUCH, EXCAVATING THE TOPSOIL TO MATCH THE GRADE OF THE EXISTING WETLANDS WILL RETURN THE HYDROLOGY TO THIS AREA. THE MITIGATION AREA WILL BE SURFACE WATER AND GROUNDWATER DRIVEN. MUCH OF THE TRIBUTARY AREAS WILL CONSIST OF MODERATE TO GOOD URBAN WATER QUALITY DUE TO DRAINAGE. THE DESIGN INCLUDES ONE GROUNDWATER MONITORING WELL.

PLANTING PLAN

THE COVER CROP MATRIX WILL BE PLANTED THROUGHOUT THE WETLAND MITIGATION AREAS IMMEDIATELY AFTER GRADING TO PREVENT EROSION IF CONDITIONS ARE NOT CONDUCTIVE FOR NATIVE SPECIES SEEDING. PERMANENT NATIVE SPECIES SHALL BE DORMANT SEEDS DURING THE FALL/WINTER MONTHS OR DURING THE FIRST AVAILABLE GROWING SEASON AT THE APPROPRIATE TIME AND CONDITIONS FOR SUCH PLANTINGS. ALL SEEDING SHALL BE COMPLETED ACCORDING TO INDUSTRY STANDARDS FOR NATIVE SEED INSTALLATION. THE PREFERRED METHOD OF SEED INSTALLATION SHALL BE THE RANGELAND-TYPE NATIVE GRASS AND WILDFLOWER SEED DRILL/BROADCAST METHOD, EXCEPT WHERE SLOPES ARE STEEPER THAN 3:1. SOIL IS SATURATED, OR SIZE CONSTRAINTS PROHIBIT THE USE OF A RANGELAND DRILL.

WHERE SLOPES, SATURATED SOILS, OR SIZE CONSTRAINTS PROHIBIT THE USE OF A DRILL SEEDER, THE BROADCAST OR HYDROSEED METHODS MAY BE USED WITH APPROVAL FROM THE WETLAND CONSULTANT. IF A BROADCAST METHOD OF SEEDING IS USED (INCLUDING HYDROSEEDING), THE FOLLOWING REQUIREMENTS SHALL BE FOLLOWED. THE AMOUNT OF SEED PER ACRE WILL BE DOUBLE THE INDICATED DRILL SEED RATE. FURTHER, BROADCAST-APPLIED SEED WILL BE EITHER ROLLED OR HAND RAKED INTO THE SOIL TO ENSURE GOOD SOIL-SEED CONTACT. WITHIN 12 HOURS, IF CONDITIONS PERMIT OR AS SOON THEREAFTER AS PRACTICAL, ALL SEEDS AREAS SHALL BE ROLLED AT RIGHT ANGLES TO THE RUNOFF WITH AN APPROVED TYPE ROLLER OR CULTIPACKER TO FIRM THE SEEDBED AND PLACE THE SEED IN CONTACT WITH THE SOIL.

PLUGS SHALL BE PLANTED ON 24" CENTERS AFTER MAY 1ST WHEN FROST IS NO LONGER LIKELY AT THE APPROPRIATE TIME AND CONDITIONS FOR SUCH PLANTINGS. HOLES FOR PLUGS SHALL BE AS DEEP OR SLIGHTLY DEEPER THEN THE PLUG ROOTS AND SOIL SHALL BE LIGHTLY PACKED AROUND THE ROOTS OF THE PLUG. GOOSE GRID SHALL BE INSTALLED IMMEDIATELY FOLLOWING PLANTING TO PROTECT THEM FROM PREDATION. THE SOIL SURFACE SHOULD BE DAMP FOR THE FIRST TWO WEEKS FOLLOWING PLANTING; AS SUCH, WATERING MAY BE NECESSARY.

THE CONTRACTOR SHALL SUPPLY WATER AS NECESSARY TO ESTABLISH THE PLANTED AREAS. NO FERTILIZER SHALL BE APPLIED IN CONJUNCTION WITH SEEDING OR THEREAFTER UNLESS RECOMMENDED BY THE WETLAND CONSULTANT.

THE PROPOSED SPECIES, SPECIFICATIONS, AND DRILL SEEDING RATES FOR THE PLANTING AREAS ARE PROVIDED IN THE FOLLOWING TABLES:

NATIVE PLANT PLUGS 0.99 ACRES

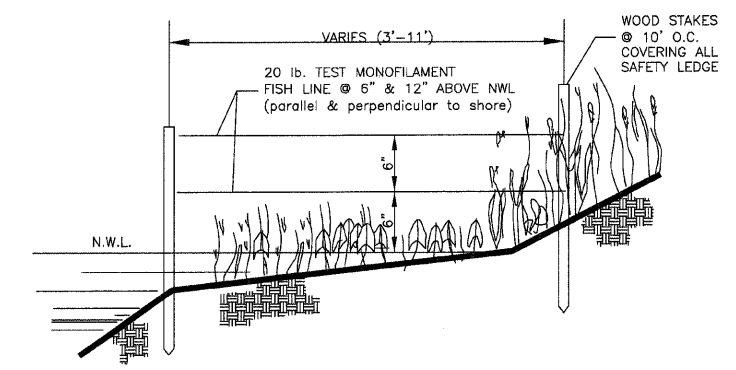
PLANT ON 24" CENTERS

PERMANENT GRASSES, SEDGES, & RUSHES:		
SCIENTIFIC NAME	COMMON NAME	QUANTITY
CAREX COMOSA	BRISTLY SEDGE	304
CAREX STRICTA	COMMON TUSsock SEDGE	304
CAREX VULPINOIDEA	BROWN FOX SEDGE	304
JUNCUS EFFUSUS	COMMON RUSH	304
SCIRPUS PUNGENS	CHAIRMAKER'S RUSH	304
SPARTINA PECTINATA	PRAIRIE CORD GRASS	304
SUBTOTAL		1824
FORBS:		
SCIENTIFIC NAME	COMMON NAME	QUANTITY
ASCLEPIAS INCARNATA	SWAMP MILKWEED	303
EUTHAMIA GRAMINIFOLIA	GRASS-LEAVED GOLDENROD	303
FILIPENDULA RUBRA	QUEEN OF THE PRAIRIE	303
GENTIANA ANDREWSII	BOTTLE GENTIAN	303
HELENIUM AUTUMNALE	SNEEZEWEED	303
HIBISCUS LAEVIS	SMOOTH ROSE MALLOW	303
IRIS VIRGINICA	BLUE FLAG IRIS	303
MIMULUS RINGENS	MONKEY FLOWER	303
SPARGANIUM EURYCARPUM	COMMON BUR REED	303
VERNONIA FASCICULATA	COMMON IRONWEED	303
SUBTOTAL		3030
TOTAL		4854

SEDGE MEADOW SEED MIX J.F. NEW, WALKERTON, INDIANA		
BOTANICAL NAME	COMMON NAME	PLS OUNCES/ACRE
PERMANENT GRASSES/SEDGES:		
CALAMAGROSTIS CANADENSIS	BLUEJOINT GRASS	0.50
CAREX COMOSA	BRISTLY SEDGE	1.50
CAREX CRISTATELLA	CRESTED OVAL SEDGE	1.50
CAREX FRANKII	BRISTLY CATTAIL SEDGE	3.00
CAREX LUPULINA	COMMON HOP SEDGE	2.50
CAREX LURIDA	BOTTLEBRUSH SEDGE	4.00
CAREX STIPATA	COMMON FOX SEDGE	1.00
CAREX VULPINOIDEA	BROWN FOX SEDGE	4.00
ELYMUS VIRGINICUS	VIRGINIA WILD RYE	30.00
GLYCERIA STRIATA	FOWL MANNA GRASS	0.50
JUNCUS EFFUSUS	COMMON RUSH	0.25
LEERSIA ORYZOIDES	RICE CUT GRASS	1.25
PANICUM VIRGATUM	SWITCH GRASS	1.50
SCIRPUS ATROVIRENS	DARK GREEN RUSH	0.75
SCIRPUS PENDULUS	RED BULRUSH	0.25
SCIRPUS PUNGENS	CHAIRMAKER'S RUSH	1.00
SCIRPUS VALIDUS	GREAT BULRUSH	4.00
SPARTINA PECTINATA	PRAIRIE CORD GRASS	2.00
TOTAL		59.50

FORBS:		
BOTANICAL NAME	COMMON NAME	PLS OUNCES/ACRE
ALISMA SPP.	WATER PLANTAIN (VARIOUS MIX)	2.00
ANGELICA ATROPURPUREA	GREAT ANGELICA	4.00
ASCLEPIAS INCARNATA	SWAMP MILKWEED	1.00
ASTER LANCEOLATUS	PANICLED ASTER	0.25
ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	0.50
ASTER PUNICEUS	SWAMP ASTER	1.00
ASTER UMBELLATUS	FLAT-TOP ASTER	0.25
BIDENS CERNUA	NODDING SWAMP MARIGOLD	2.00
SENNA HEBECARPA	WILD SENNA	0.75
COREOPSIS TRIPTERIS	TALL COREOPSIS	2.50
EUPATORIUM MACULATUM	SPOTTED JOE-PYE WEED	1.00
EUPATORIUM PERFOLIATUM	COMMON BONESET	0.50
FILIPENDULA RUBRA	QUEEN OF THE PRAIRIE	0.25
GENTIANA ANDREWSII	BOTTLE GENTIAN	0.25
HELENIUM AUTUMNALE	SNEEZEWEED	2.00
HIBISCUS LAEVIS	SMOOTH ROSE MALLOW	2.00
IRIS VIRGINICA	BLUE FLAG IRIS	3.00
LIATRIS SPICATA	MARSH BLAZING STAR	2.50
LOBELIA CARDINALIS	CARDINAL FLOWER	0.25
LOBELIA SIPHILITICA	GREAT BLUE LOBELIA	2.00
LUDWIGIA ALTERNIFOLIA	SEED BOX	0.25
PHYSOSTEGIA VIRGINIANA	FALSE DRAGONHEAD	0.25
PHYCANTHEMUM VIRGINIANUM	VIRGINIA MOUNTAIN MINT	0.50
SAGITTARIA LATIFOLIA	BROAD-LEAF ARROWHEAD	2.00
SILPHIUM PERFOLIATUM	CUP PLANT	3.00
SPARGANIUM EURYCARPUM	COMMON BUR REED	4.00
SPIRAEA ALBA / SPIRAEA TOMENTOSA	MEADOWSWEET / STEEPLEBUSH	0.25
THALICTRUM DASycARPUM	PURPLE MEADOW RUE	2.50
VERBENA HASTATA	BLUE VERVAIN	2.00
VERNONIA SPP.	IRONWEED (VARIOUS MIX)	1.00
ZIZIA AUREA	GOLDEN ALEXANDERS	1.00
TOTAL		44.75

LOW-PROFILE PRAIRIE SEED MIX J.F. NEW, WALKERTON, INDIANA		
BOTANICAL NAME	COMMON NAME	PLS OUNCES/ACRE
PERMANENT GRASSES:		
BOUTELOUA CURTIPENDULA	SIDE OATS GRAMA	10.00
CAREX SPP.	PRAIRIE SEDGE MIX	1.00
ELYMUS CANADENSIS	CANADA WILD RYE	16.00
KOELERIA PYRAMIDATA	JUNE GRASS	2.00
PANICUM VIRGATUM	SWITCH GRASS	1.00
SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	28.00
SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	3.00
TOTAL		61.00
FORBS:		
AMORPHA CANESCENS	LEAD PLANT	1.00
ANEMONE CYLINDRICA	THIMBLEWEED	0.50
AQUILEGIA CANADENSIS	WILD COLUMBINE	0.50
ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	2.00
ASTER ERICOIDES	HEATH ASTER	0.25
ASTER LAEVIS	SMOOTH BLUE ASTER	0.75
ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	0.25
BAPTISIA LACTEA	WHITE WILD INDIGO	1.00
CHAMAECRISTA FASCICULATA	PARTRIDGE PEA	9.00
COREOPSIS LANCEOLATA	SAND COREOPSIS	1.50
COREOPSIS PALMATA	PRAIRIE COREOPSIS	1.00
DALEA CANDIDUM	WHITE PRAIRIE CLOVER	1.50
DALEA PURPUREA	PURPLE PRAIRIE CLOVER	1.50
ECHINACEA PURPUREA	BROAD-LEAVED PURPLE CONEFLOWER	3.50
ERYNGIUM YUCCIFOLIUM	RATTLESNAKE MASTER	2.50
KUHUNIA EUPATOIDES	FALSE BONE-SET	0.50
LESPEDEZA CAPITATA	ROUND-HEAD BUSH CLOVER	2.00
LIATRIS ASPERA	ROUGH BLAZING STAR	0.50
LUPINUS PERENNIS	WILD LUPINE	2.00
MONARDA FISTULOSA	WILD BERGAMOT	0.50
PARTHENIUM INTEGRIFOLIUM	WILD QUININE	1.00
PENSTEMON DIGITALIS	FOXGLOVE BEARD TONGUE	0.50
PHYSOSTEGIA VIRGINIANA	FALSE DRAGONHEAD	0.25
PHYCANTHEMUM VIRGINIANUM	COMMON MOUNTAIN MINT	1.00
RATIBIDA PINNATA	YELLOW CONEFLOWER	3.00
RUDBECKIA HIRTA	BLACK-EYED SUSAN	2.00
RUDBECKIA SUBTOMENTOSA	SWEET BLACK-EYED SUSAN	1.00
SILPHIUM INTEGRIFOLIUM	ROSIW WEED	0.50
SILPHIUM TEREBINTHINACEUM	PRAIRIE DOCK	2.00
SOLIDAGO NEMORALIS	OLD-FIELD GOLDENROD	0.25
SOLIDAGO RIGIDA	STIFF GOLDENROD	1.00
TRADESCANTIA OHIENSIS	COMMON SPIDERWORT	0.75
VERNONIA SPP.	IRONWEED (VARIOUS MIX)	1.75
VERONICASTRUM VIRGINIANUM	CULVER'S ROOT	0.25
TOTAL		49.75
ANNUAL/PERENNIAL FORBS MIX		32.00

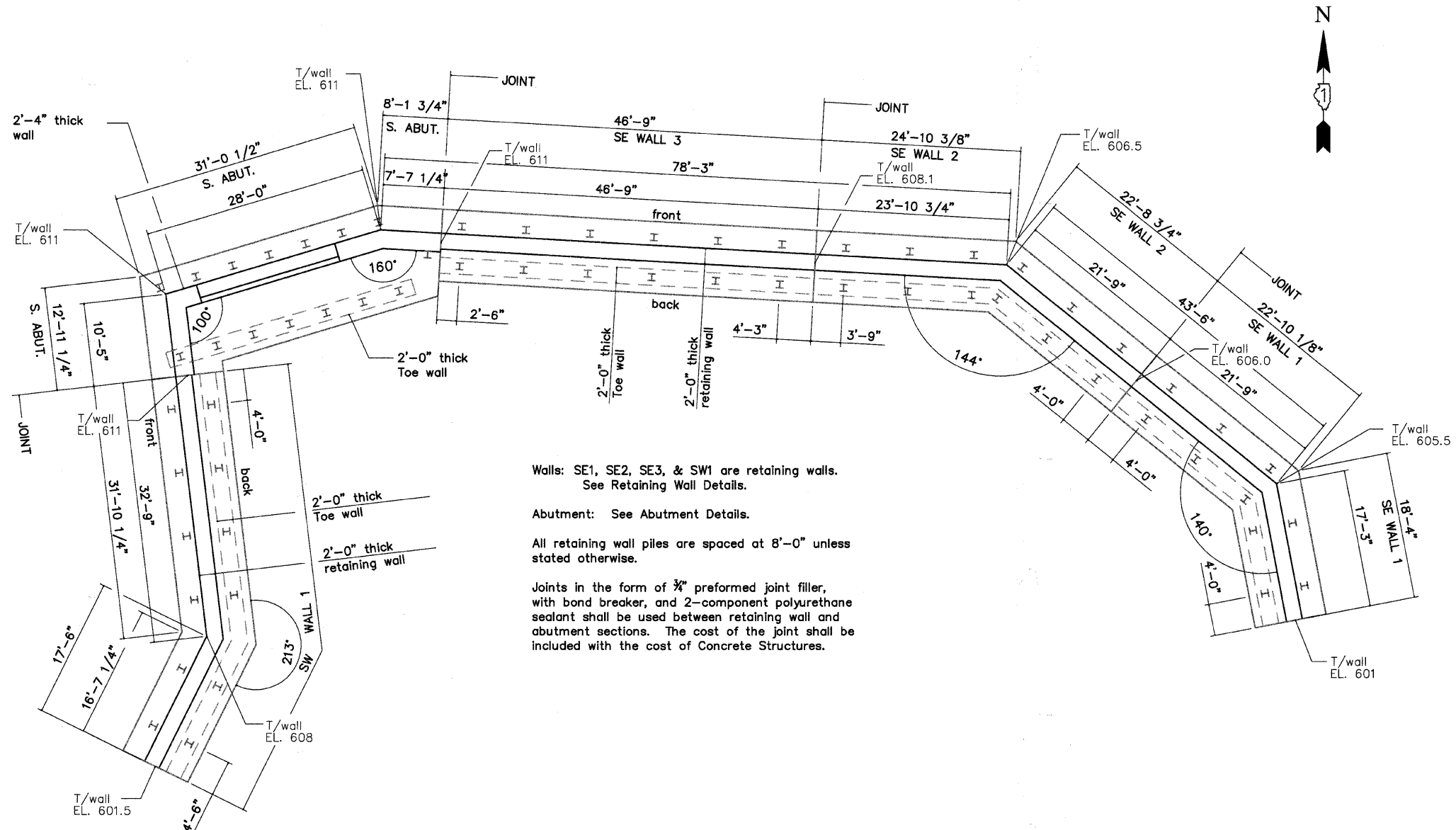


GOOSE GRID BARRIER DETAIL N.T.S.

NOTE: THIS ITEM SHALL BE INCLUDED IN THE COST OF FURNISHING AND INSTALLING THE WETLAND PLUGS.

	USER NAME =	DESIGNED -- EP	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WETLAND IMPACT AND PLANTING GENERAL NOTES & SPECIFICATIONS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -- EP	REVISED --			01-P4015-01-BT	WILL	41	19	
	PLOT DATE =	DATE -- JANUARY, 2010	REVISED --	SCALE:	SHEET NO. 1 OF 1 SHEETS	FED. ROAD DIST. NO. -- ILLINOIS FED. AID PROJECT		CONTRACT NO. 63325		

W:\planning\2010\13 Dupage River Trail\04\Phase 1\Wetland Impacts General Notes.dwg Updated by abasano 1/14/2010



Walls: SE1, SE2, SE3, & SW1 are retaining walls.
See Retaining Wall Details.

Abutment: See Abutment Details.

All retaining wall piles are spaced at 8'-0" unless stated otherwise.

Joints in the form of $\frac{3}{8}$ " preformed joint filler, with bond breaker, and 2-component polyurethane sealant shall be used between retaining wall and abutment sections. The cost of the joint shall be included with the cost of Concrete Structures.



I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current AASHTO Standard Specifications for Highway Bridges.

Kelly Jo Hoffmann
 KELLY JO HOFFMANN
 Illinois Licensed Structural Engineer Number 4192
 License Expires 11/30/10

FRAUENHÖFFER

Frauenhoffer and Associates, P.C. Consulting Engineers
 3002 Crossing Court Champaign, IL 61822 217-351-6268

SOUTH PLAN		SHEET	X
		DWG NO.	abut.DWG
		DATE	NOV 2009
		PROJ NO.	8137



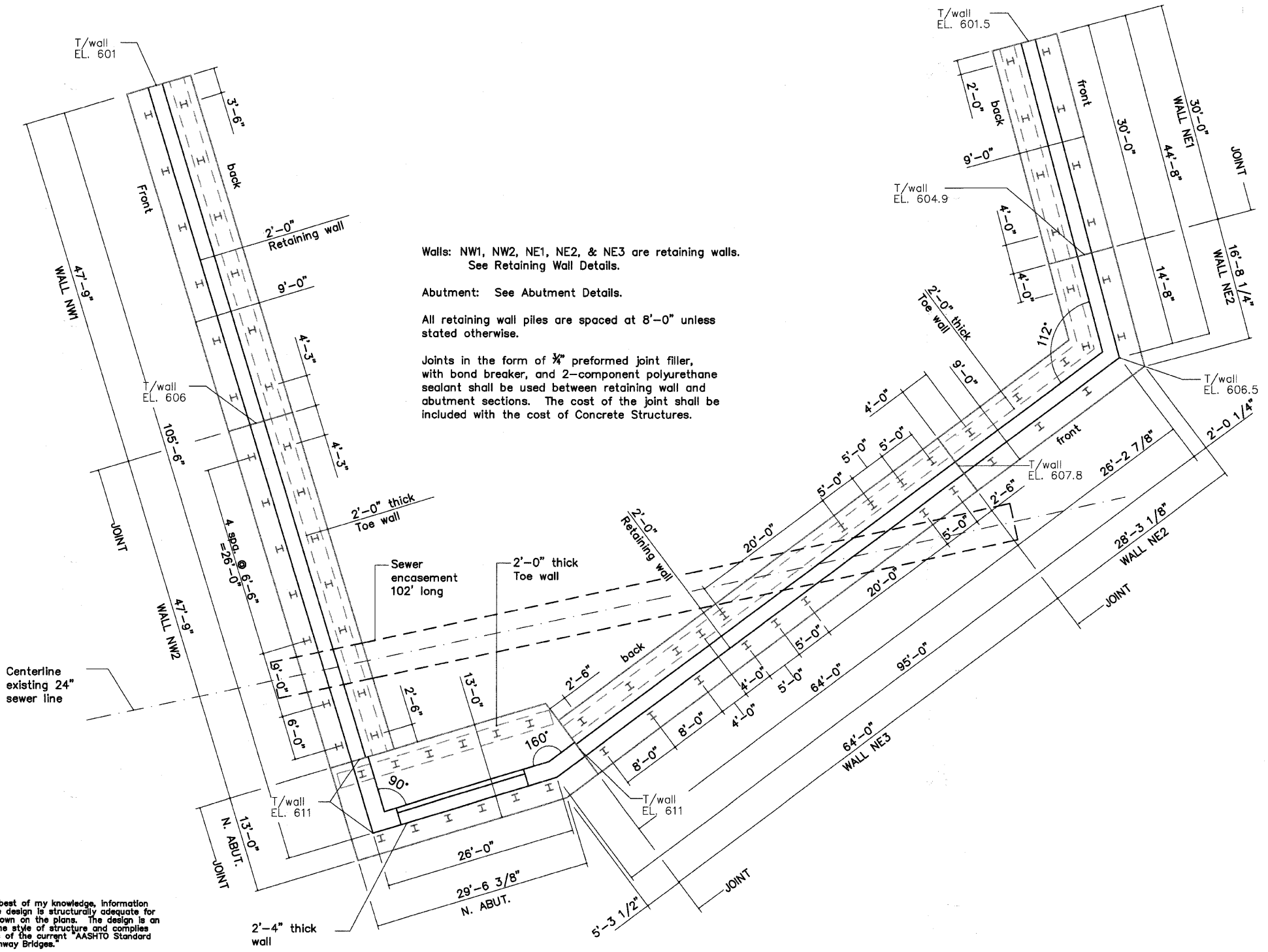
USER NAME =	DESIGNED -- KJH	REVISED --
PLOT SCALE =	DRAWN -- KJH	REVISED --
PLOT DATE =	CHECKED -- JF	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DUPAGE RIVER BRIDGE SOUTH ABUTMENT
 AND RETAINING WALL LAYOUT

SCALE: 1/8"=1'-0" SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	20
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	



Walls: NW1, NW2, NE1, NE2, & NE3 are retaining walls.
See Retaining Wall Details.

Abutment: See Abutment Details.

All retaining wall piles are spaced at 8'-0" unless stated otherwise.

Joints in the form of 3/4" preformed joint filler, with bond breaker, and 2-component polyurethane sealant shall be used between retaining wall and abutment sections. The cost of the joint shall be included with the cost of Concrete Structures.



I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current AASHTO Standard Specifications for Highway Bridges.

Kelly J. Hoffmann
KELLY JO HOFFMANN
Illinois Licensed Structural Engineer Number 4192
License Expires 11/30/10

FRAUENHOFFER

Frauenhoffer and Associates, P.C. Consulting Engineers
3002 Crossing Court Champaign, IL 61822 217-351-6268

NORTH PLAN

SHEET	X
DWG NO.	abut.DWG
DATE	NOV 2009
PROJ NO.	8137

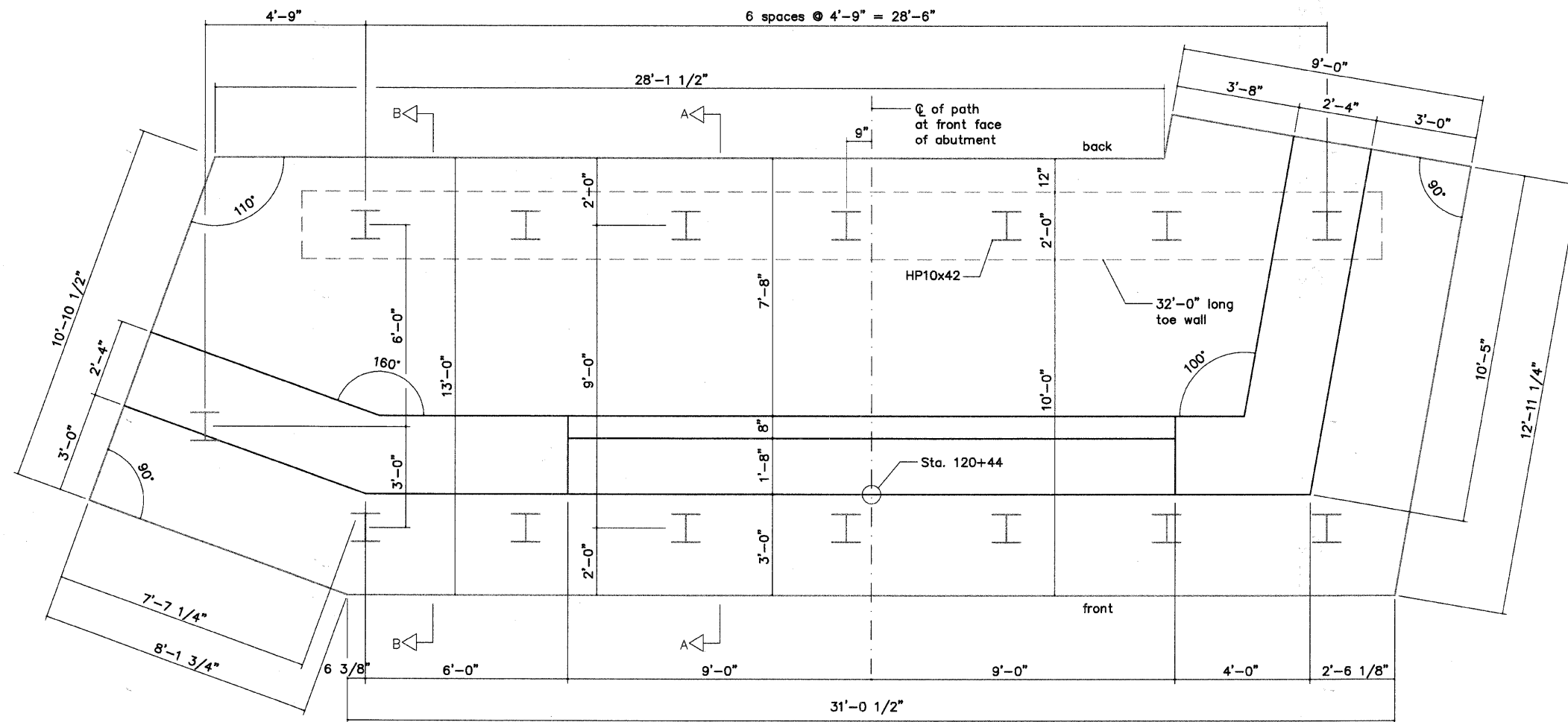


USER NAME =	DESIGNED -- KJH	REVISED --
PLOT SCALE =	DRAWN -- KJH	REVISED --
PLOT DATE =	CHECKED -- JF	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUPAGE RIVER BRIDGE NORTH ABUTMENT
AND RETAINING WALL LAYOUT
SCALE: 1/8"=1'-0" SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	21
CONTRACT NO. 63325			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



SOUTH ABUTMENT PLAN

Place 2" dia. PVC weep holes @ 10' max c/c. Cost shall be included in Concrete Structures. The height of the holes shall be the higher of 1'-6" above the top of the cap or 6" above the finish grade at the front of the wall.

Clear covers shall be: 3" bottom, 2" sides of walls 3" sides of footing, 2" top

All edges shall receive a 3/8" chamfer.

Spacing of bars shown shall be the maximum allowed. Bars may be adjusted to miss piles.

The following reinforcing laps shall be used when necessary:

- #4 = 2'-0"
- #5 = 2'-6"
- #6 = 3'-0"
- #7 = 4'-6"
- #8 = 5'-6"

Joints in the form of 3/4" preformed joint filler, with bond breaker, and 2-component polyurethane sealant shall be used between retaining wall and abutment sections. The cost of the joint shall be included with the cost of Concrete Structures.

FRAUENHOFER

Frauenhoffer and Associates, P.C. Consulting Engineers
3002 Crossing Court Champaign, IL 61822 217-351-6268

SOUTH ABUTMENT PLAN

SHEET	X
DWG NO.	abut.DWG
DATE	NOV 2009
PROJ NO.	8137



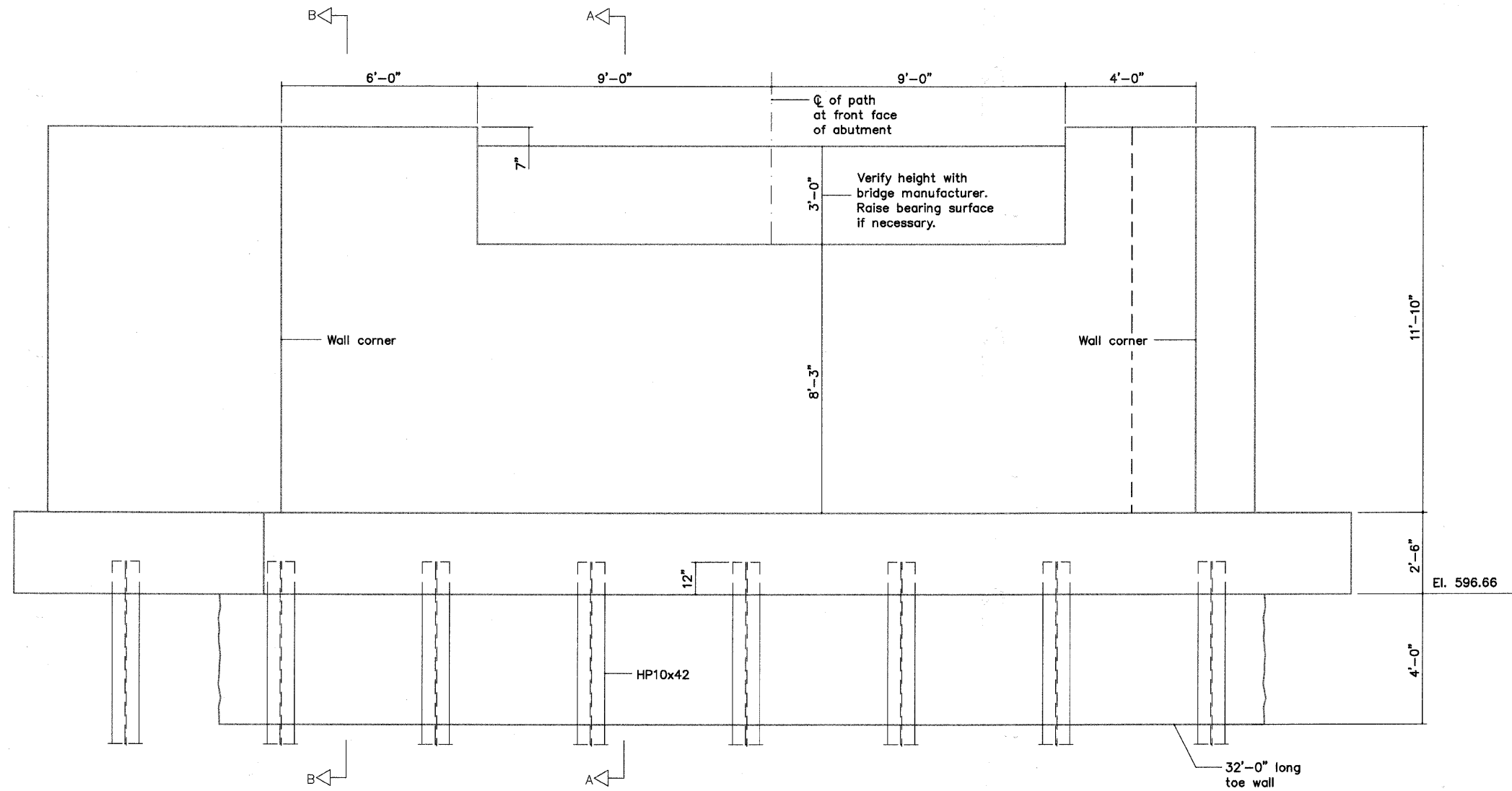
USER NAME =	DESIGNED -- KJH	REVISED --
	DRAWN -- KJH	REVISED --
PLOT SCALE =	CHECKED -- JF	REVISED --
PLOT DATE =	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUPAGE RIVER BRIDGE
SOUTH ABUTMENT PLAN

SCALE: 1/2"=1'-0" SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	22
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	



SOUTH ABUTMENT ELEVATION

FRAUENHOFER Fraunhofer and Associates, P.C. Consulting Engineers 3002 Crossing Court Champaign, IL 61822 217-351-6268	SOUTH ABUTMENT ELEVATION		SHEET	X
			DWG NO.	abut.DWG
			DATE	NOV 2009
			PROJ NO.	8137



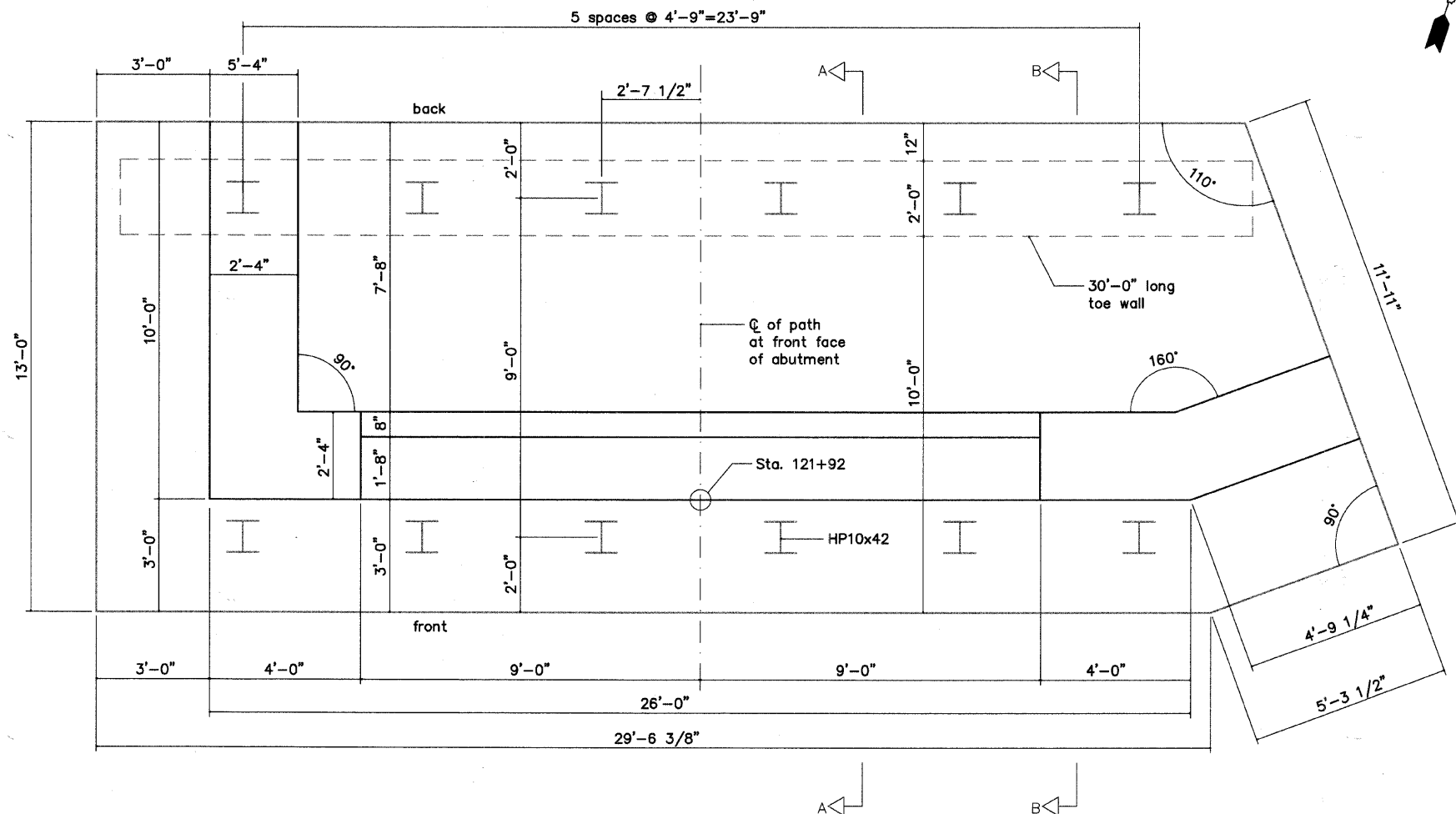
USER NAME =	DESIGNED -- KJH	REVISED --
PLOT SCALE =	DRAWN -- KJH	REVISED --
PLOT DATE =	CHECKED -- JF	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUPAGE RIVER BRIDGE
SOUTH ABUTMENT ELEVATION
SCALE: 1/2"=1'-0" SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	23
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	

W:\Printed\2011\3 Dupage River Trail\Cad\Phase 1\Fraunhofer Details.dwg Updated by: dbussama 1/14/2010



NORTH ABUTMENT PLAN

Place 2" dia. PVC weep holes @ 10' max c/c. Cost shall be included in Concrete Structures. The height of the holes shall be the higher of 1'-6" above the top of the cap or 6" above the finish grade at the front of the wall.

Clear covers shall be: 3" bottom, 2" sides of walls 3" sides of footing, 2" top

All edges shall receive a 3/8" chamfer.

Spacing of bars shown shall be the maximum allowed. Bars may be adjusted to miss piles.

The following reinforcing laps shall be used when necessary:

- #4 = 2'-0"
- #5 = 2'-6"
- #6 = 3'-0"
- #7 = 4'-6"
- #8 = 5'-6"

Joints in the form of 3/4" preformed joint filler, with bond breaker, and 2-component polyurethane sealant shall be used between retaining wall and abutment sections. The cost of the joint shall be included with the cost of Concrete Structures.

FRAUENHOFER
 Fraunhofer and Associates, P.C. Consulting Engineers
 3002 Crossing Court Champaign, IL 61822 217-351-6268

NORTH ABUTMENT PLAN		SHEET	X
DWG NO.	abut.DWG	DATE	NOV 2009
PROJ NO.	8137		



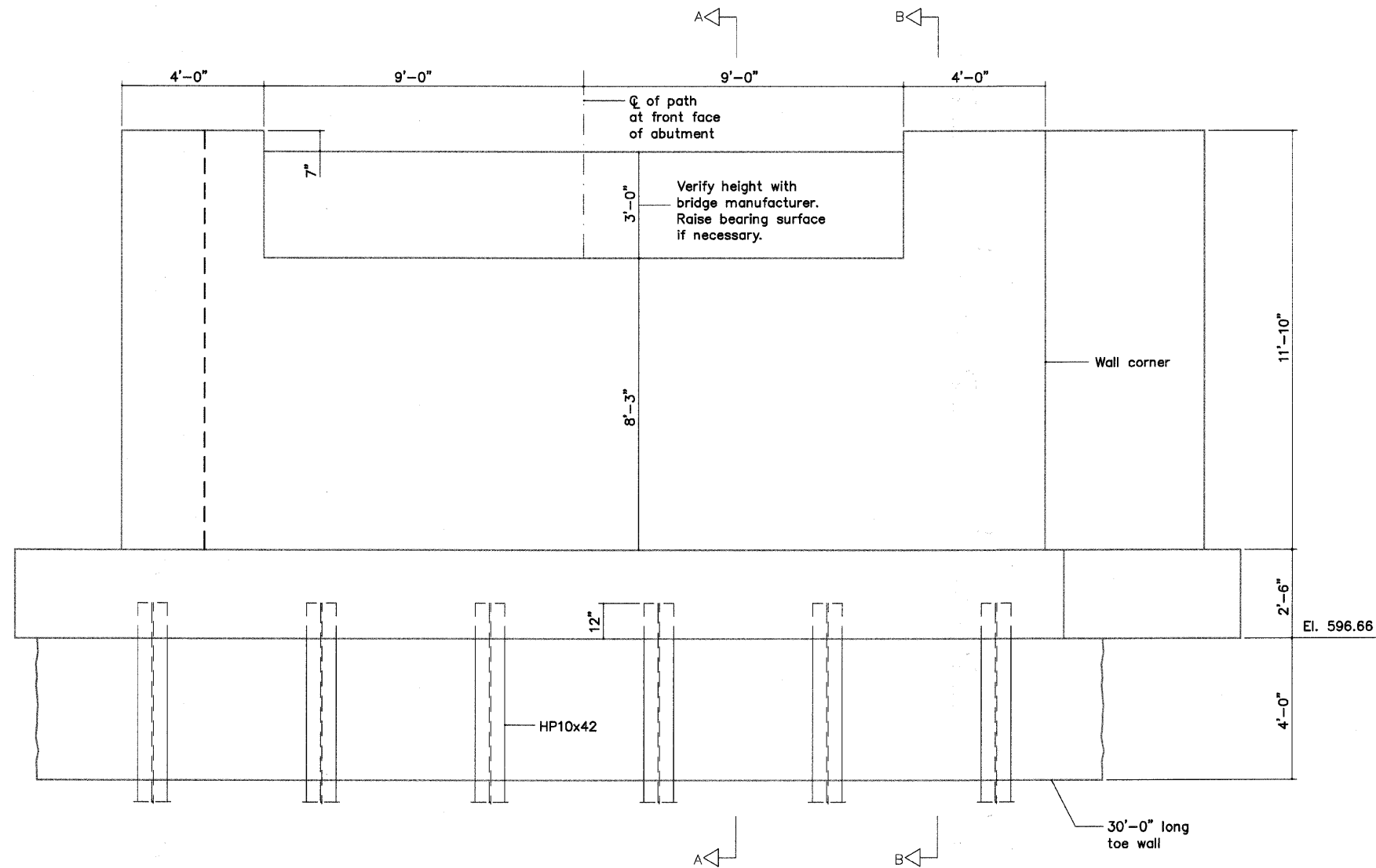
USER NAME =	DESIGNED -- KJH	REVISED --
DRAWN -- KJH	CHECKED -- JF	REVISED --
PLOT SCALE =	DATE -- JANUARY, 2010	REVISED --
PLOT DATE =		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DUPAGE RIVER BRIDGE
 NORTH ABUTMENT PLAN
 SCALE: 1/2"=1'-0" SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	24
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	

W:\Plan\12113 DuPage River Trail\Cad\Phase 1\Fraunhofer Details.dwg Updated by: dbausma 1/14/2010



NORTH ABUTMENT ELEVATION

FRAUENHOPFER

Frauenhoffer and Associates, P.C. Consulting Engineers
3002 Crossing Court Champaign, IL 61822 217-351-6268

NORTH ABUTMENT ELEVATION

SHEET	X
DWG NO.	abut.DWG
DATE	NOV 2009
PROJ NO.	8137



USER NAME =	DESIGNED -- KJH	REVISED --
PLOT SCALE =	DRAWN -- KJH	REVISED --
PLOT DATE =	CHECKED -- JF	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

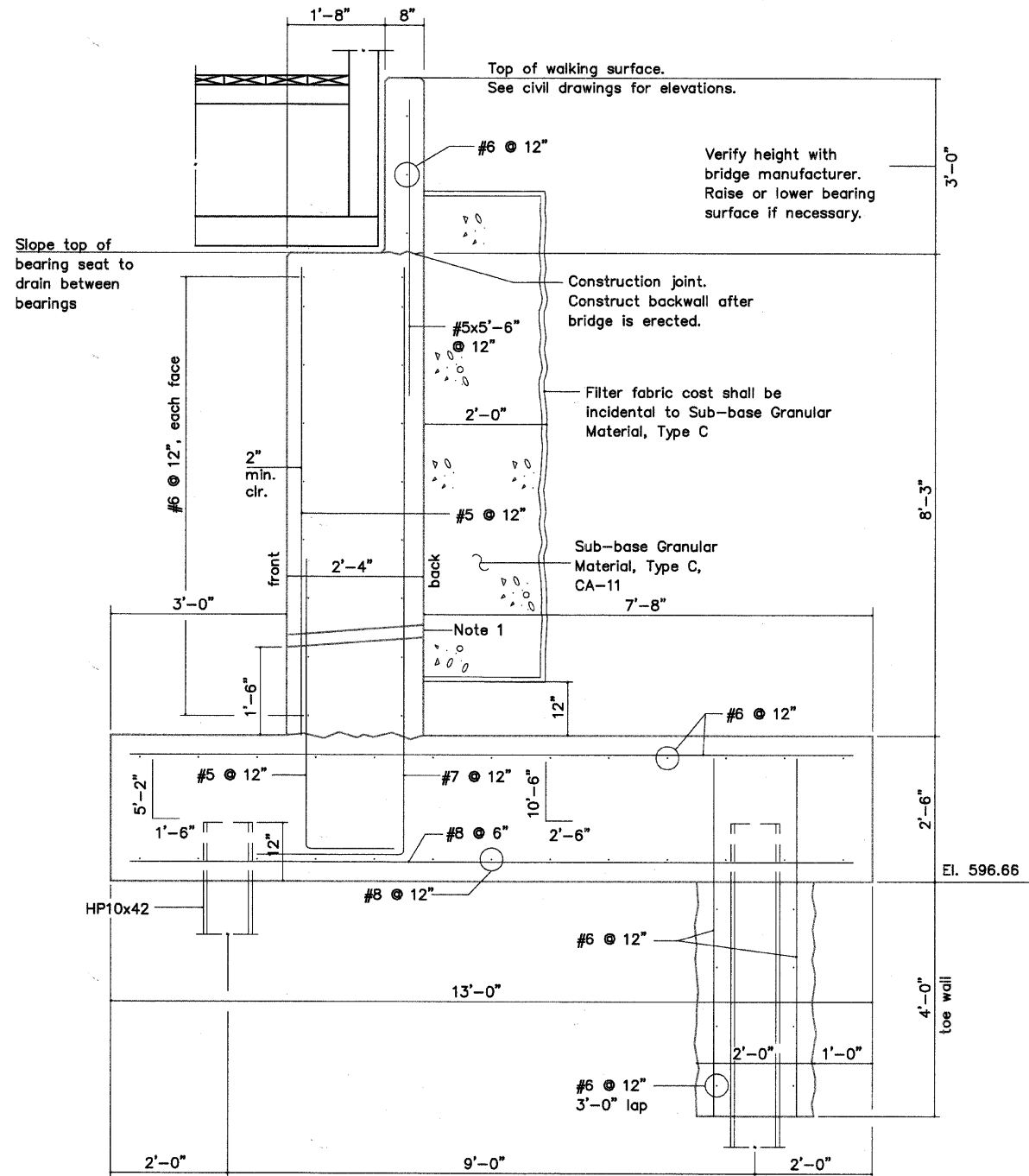
DUPAGE RIVER BRIDGE
NORTH ABUTMENT ELEVATION

SCALE: 1/2"=1'-0" SHEET NO. 1 OF 1 SHEETS

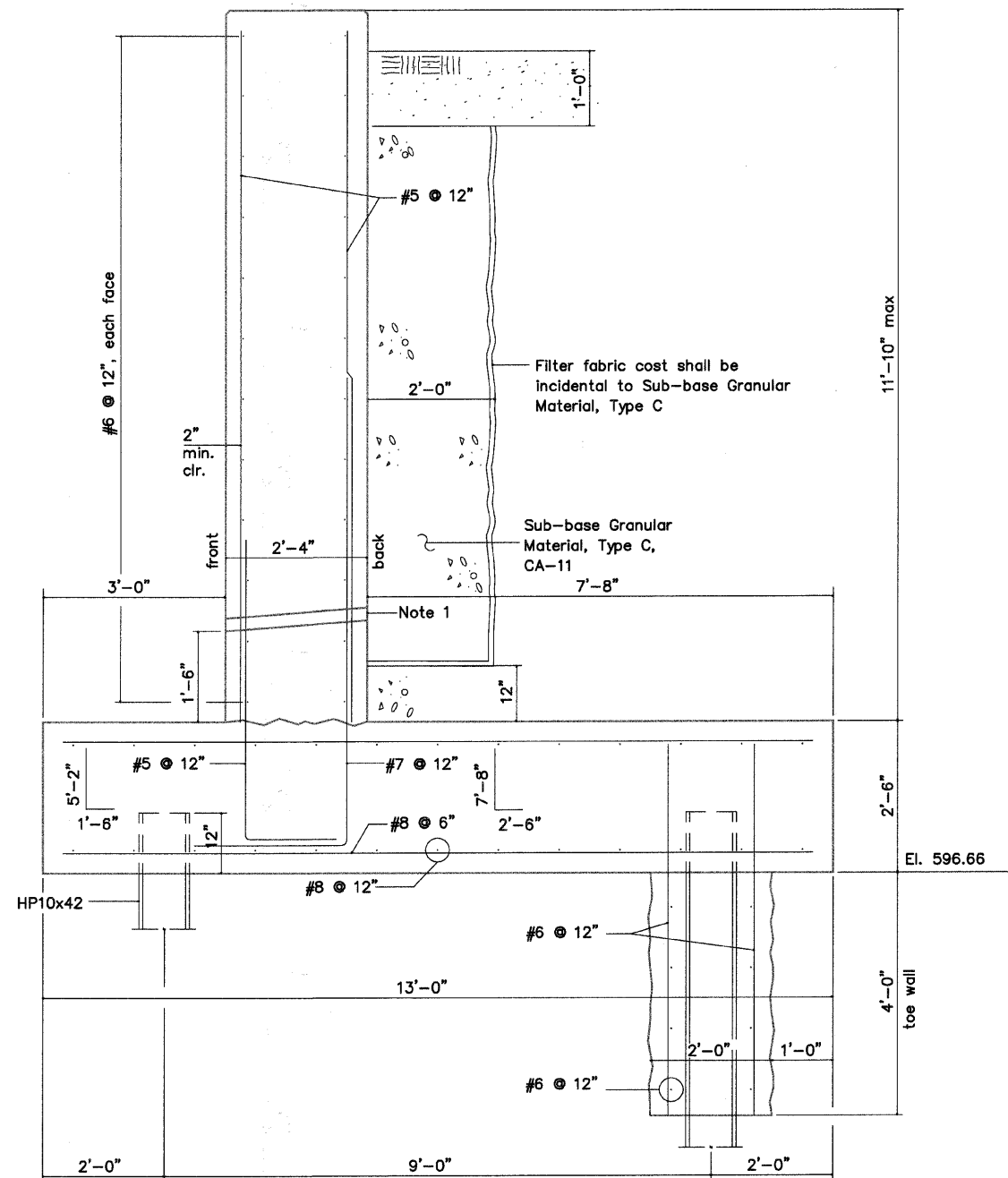
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	25
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	

w:\p\110113 Dupage River Trail\cadd\Phase 1\Frauenhoffer_Details.dwg Updated by dbussemma 1/14/2010

Note 1: Place 2" dia. PVC weep holes @ 10' max c/c. Cost shall be included in Concrete Structures. The height of the holes shall be the higher of 1'-6" above the top of the cap or 6" above the finish grade at the front of the wall.



SECTION A-A



SECTION B-B

Clear covers 3" bottom shall be:
 3" sides of footing
 2" sides of walls
 2" top

All edges shall receive a 1/4" chamfer.

FRAUENHÖFFER

Frauenhoffer and Associates, P.C. Consulting Engineers
 3002 Crossing Court Champaign, IL 61822 217-351-6268

ABUTMENT SECTIONS

SHEET	X
DWG NO.	abut.DWG
DATE	NOV 2009
PROJ NO.	8137



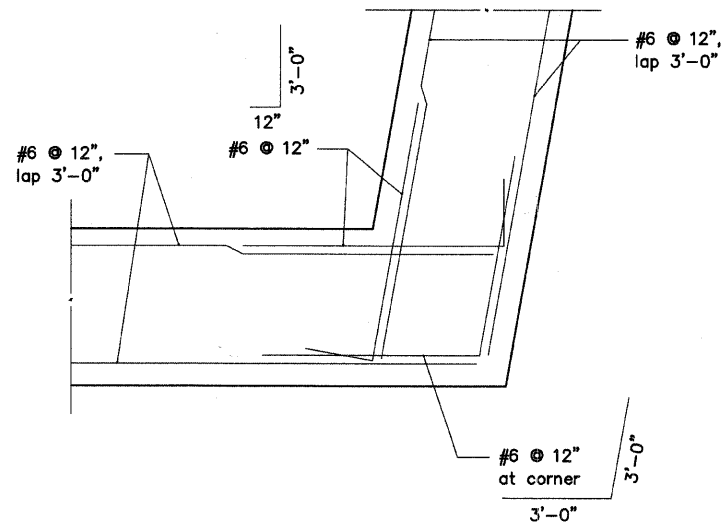
ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME =	DESIGNED -- KJH	REVISED --
		DRAWN -- KJH	REVISED --
	PLOT SCALE =	CHECKED -- JF	REVISED --
	PLOT DATE =	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

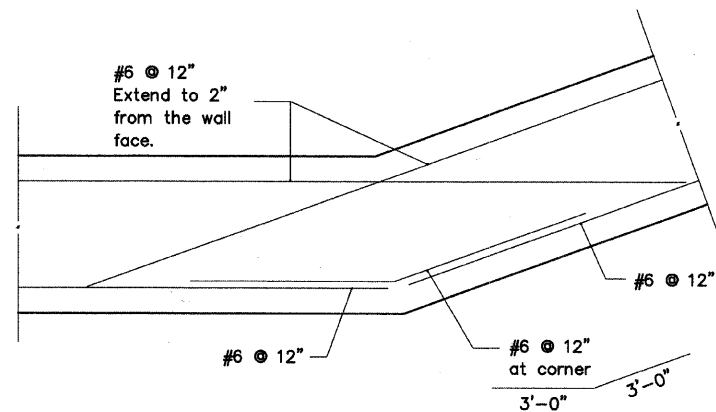
DUPAGE RIVER BRIDGE
 ABUTMENT SECTIONS

SCALE: 3/4"=1'-0" SHEET NO. 1 OF 1 SHEETS

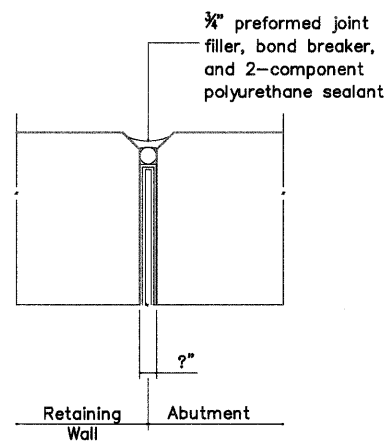
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	26
CONTRACT NO. 63325				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



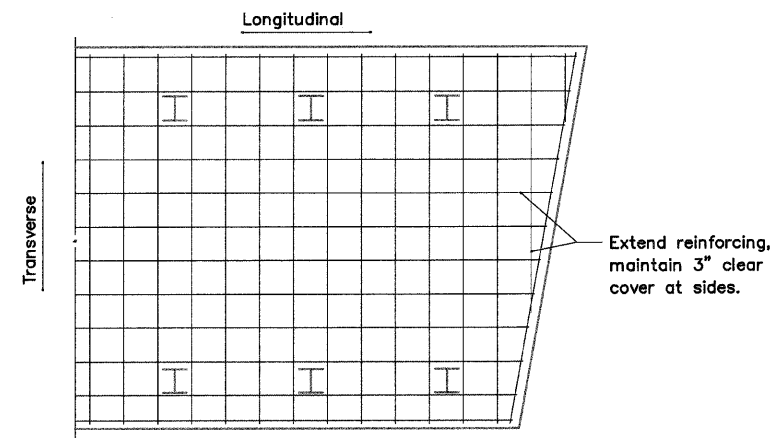
WALL CORNER DETAIL
ANGLES LESS
THAN 120 DEGREES



WALL CORNER DETAIL
ANGLES GREATER
THAN 120 DEGREES



JOINT DETAIL



PILE CAP REINFORCING
DETAIL

PILE DATA

NUMBER REQ'D :	11 NORTH ABUTMENT 14 SOUTH ABUTMENT
NOM. REQ'D BEARING :	335 KIPS/PILE
ALLOWABLE AVAILABLE RESISTANCE :	110 KIPS/PILE
EST. LENGTH :	50 FT., NORTH ABUTMENT AND 50 FT., SOUTH ABUTMENT ALL PILES DRIVEN TO REFUSAL
TEST PILES :	1 NORTH ABUTMENT 1 SOUTH ABUTMENT

BILL OF MATERIAL
2 ABUTMENTS

ITEM	UNIT	N. Abut. QTY	S. Abut. QTY	Total QTY
Concrete Structures	Cu. Yd.	82.2	95.6	177.8
Reinforcement Bars	Pounds	12,700	14,400	27,100
Test Pile, Steel HP10x42	Each	1	1	2
Furnishing Steel Piles, HP10x42	Feet	700	550	1250
Driving Piles	Feet	700	550	1250
Pile Shoes	Each	30	15	27
Structure Excavation	Cu. Yd.	23	30	30
Sub-base Granular Material, Type C, CA-11	Cu. Yd.		28	51

FRAUENHOFER

Frauenhoffer and Associates, P.C. Consulting Engineers
3002 Crossing Court Champaign, IL 61822 217-351-6268

ABUTMENT DETAILS

SHEET X

DWG NO. abut.DWG

DATE NOV 2009

PROJ NO. 8137



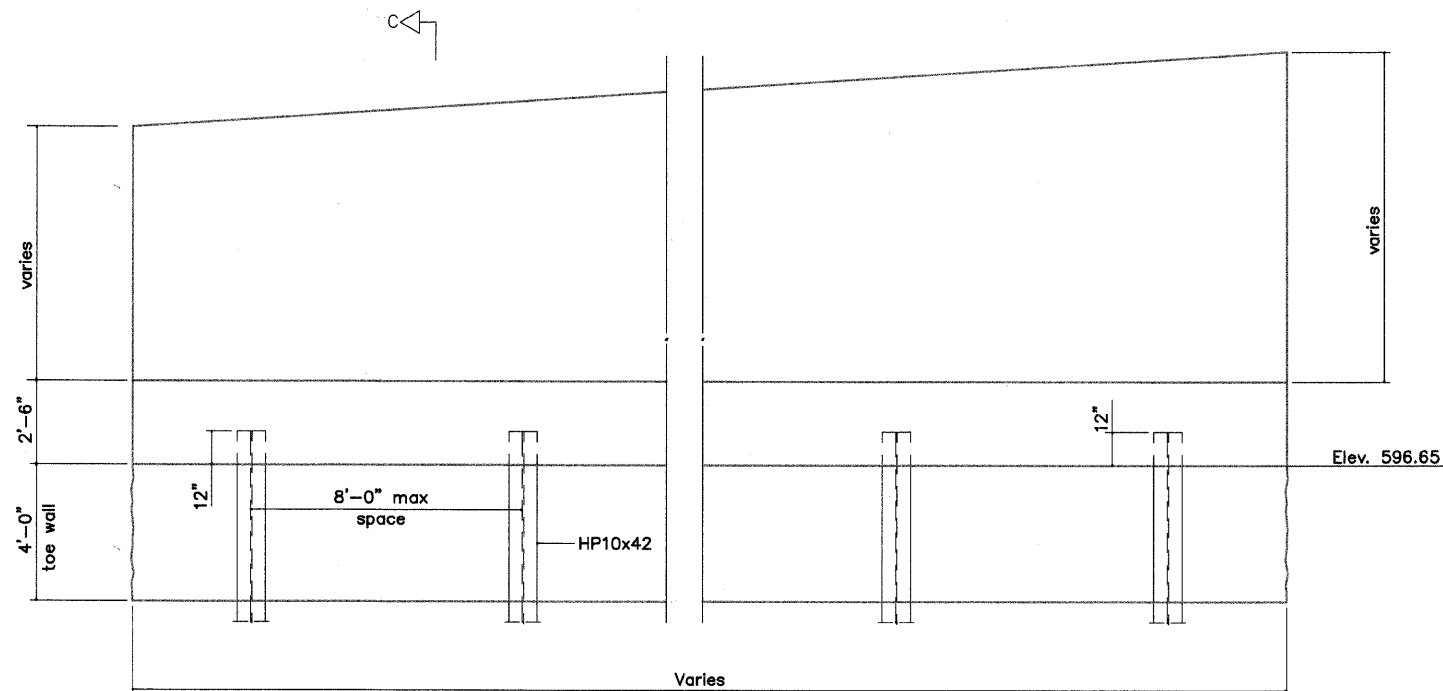
USER NAME =	DESIGNED -- KJH	REVISED --
PLOT SCALE =	DRAWN -- KJH	REVISED --
PLOT DATE =	CHECKED -- JF	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

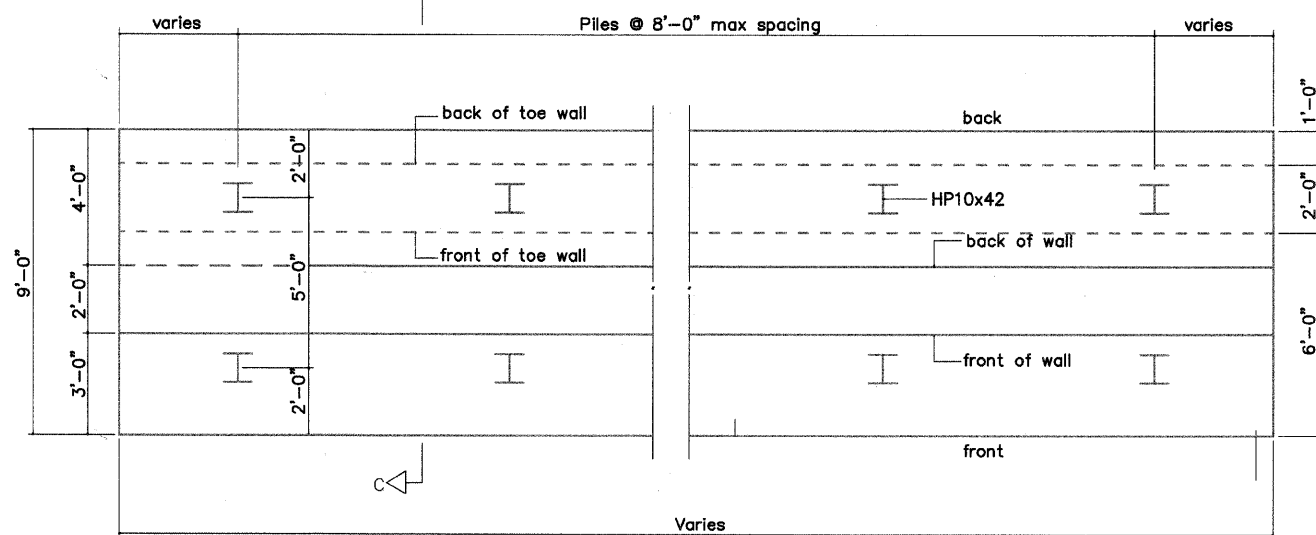
DUPAGE RIVER BRIDGE
ABUTMENT DETAILS

SCALE: 3/4"=1'-0" SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	27
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	



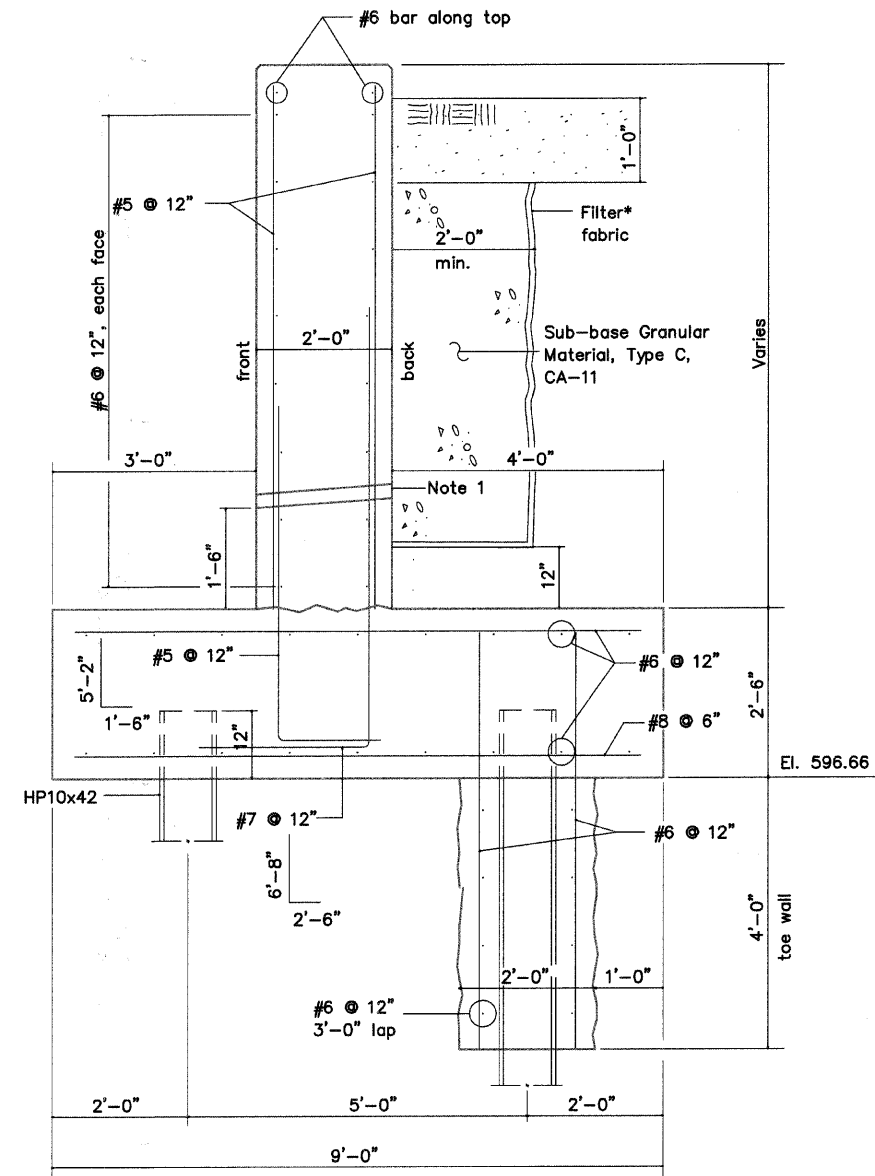
WALL ELEVATION



WALL FOUNDATION PLAN

Clear covers 3" bottom shall be: 3" sides of footing, 2" sides of walls, 2" top
 All edges shall receive a 3/8" chamfer.

* Filter fabric cost shall be incidental to Sub-base Granular Material, Type C



SECTION C-C

Note 1: Place 2" dia. PVC weep holes @ 10' max c/c. Cost shall be included in Concrete Structures. The height of the holes shall be the higher of 1'-6" above the top of the cap or 6" above the finish grade at the front of the wall.

FRAUENHOFER

Frauenhoffer and Associates, P.C. Consulting Engineers
 3002 Crossing Court Champaign, IL 61822 217-351-6268

RETAINING WALL DETAILS

SHEET	X
DWG NO.	abut.DWG
DATE	NOV 2009
PROJ NO.	8137



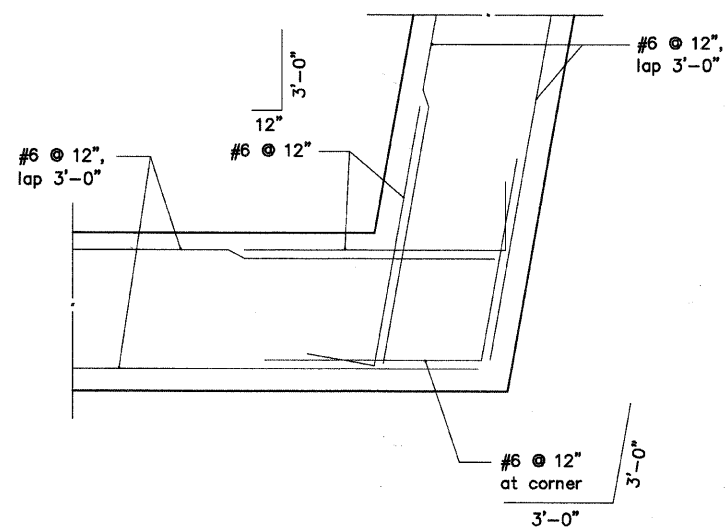
USER NAME =	DESIGNED -- KJH	REVISED --
PLOT SCALE =	DRAWN -- KJH	REVISED --
PLOT DATE =	CHECKED -- JF	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

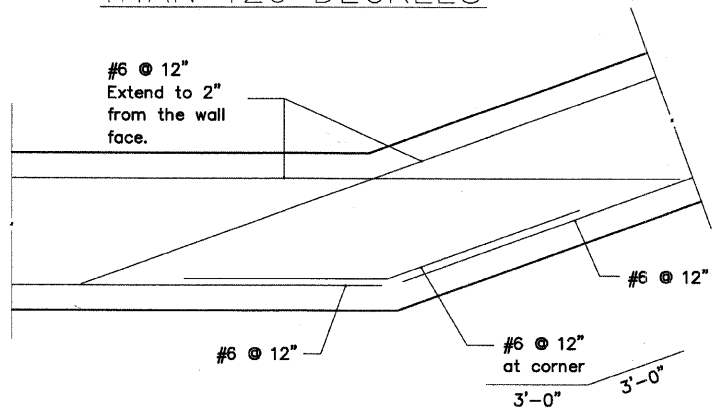
DUPAGE RIVER BRIDGE
 RETAINING WALL DETAILS

SCALE: 3/8"=1'-0" SHEET NO. 1 OF 3 SHEETS

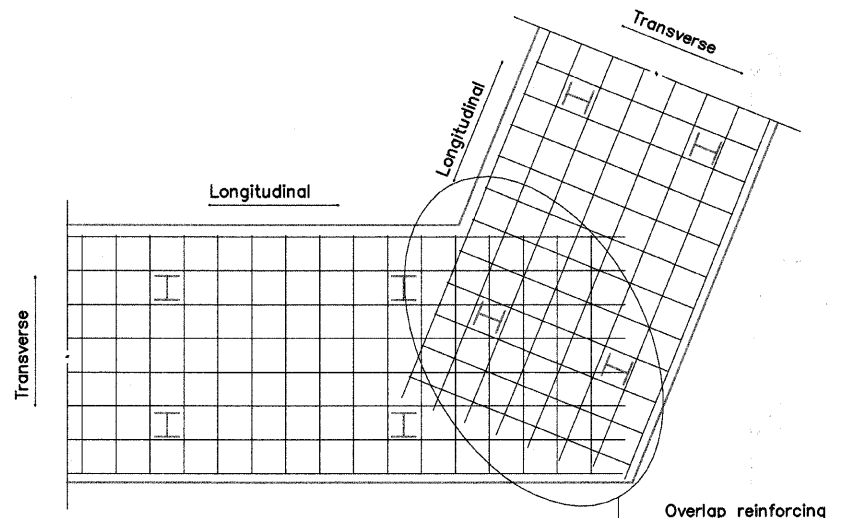
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	28
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	



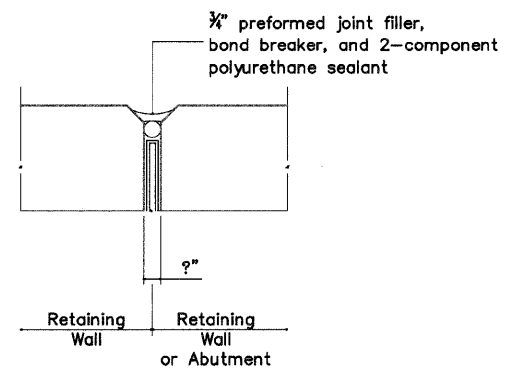
WALL CORNER DETAIL
ANGLES LESS
THAN 120 DEGREES



WALL CORNER DETAIL
ANGLES GREATER
THAN 120 DEGREES



PILE CAP REINFORCING
DETAIL



JOINT DETAIL

Place 2" dia. PVC weep holes @ 10' max c/c. Cost shall be included in Concrete Structures. The height of the holes shall be the higher of 1'-6" above the top of the cap or 6" above the finish grade at the front of the wall.

Clear covers shall be: 3" bottom, 2" sides of walls 3" sides of footing, 2" top

All edges shall receive a 3/8" chamfer.

Spacing of bars shown shall be the maximum allowed. Bars may be adjusted to miss piles.

The following reinforcing laps shall be used when necessary:

- #4 = 2'-0"
- #5 = 2'-6"
- #6 = 3'-0"
- #7 = 4'-6"
- #8 = 5'-6"

The #5 and #7 vertical dowels may be trimmed to maintain clear cover at walls with shorter heights.

Joints in the form of 3/4" preformed joint filler, with bond breaker, and 2-component polyurethane sealant shall be used between retaining wall and abutment sections. The cost of the joint shall be included with the cost of Concrete Structures.

PILE DATA

NUMBER REQ'D :	SEE BILL OF MATERIAL
NOM. REQ'D BEARING :	335 KIPS/PILE
ALLOWABLE AVAILABLE RESISTANCE :	110 KIPS/PILE
EST. LENGTH :	50 FT. FOR NE1, NE2, NE3, NW1, NW2, 50 FT. FOR SE1, SE2, SE3, SW1 ALL PILES DRIVEN TO REFUSAL
TEST PILES :	TEST PILES FROM THE ADJACENT ABUTMENT CAN BE USED TO ESTIMATE PILE LENGTHS FOR THE RETAINING WALLS

BILL OF MATERIAL 9 RETAINING WALLS, PROTECT SEWER

ITEM	UNIT	SEWER PROTECTION									TOTAL	
		SE1	SE2	SE3	SW1	NE1	NE2	NE3	NW1	NW2		
Concrete Structures	Cu. Yd.	54.6	75.7	88.8	91.3	42.9	65.6	120.8	69.3	87	56	752
Reinforcement Bars	Pounds	6050	7950	9200	9100	4860	7750	12810	7690	9590	1840	76840
Test Pile, Steel HP10x42	Each	0	0	0	0	0	0	0	0	0	0	0
Furnishing Steel Piles, HP10x42	Feet	600	600	500	600	400	500	850	600	700	0	5350
Driving Piles	Feet	600	600	500	600	400	500	850	600	700	0	5350
Pile Shoes & # Piles	Each	12	12	10	12	8	10	17	12	14	0	107
Structure Excavation	Cu. Yd.	103	110	59	138	59	58	65	72	49	240	953
Sub-base Granular Material, Type C, CA-11	Cu. Yd.	5	18	27	23	3	16	37	7	24	0	160

FRAUENHOFER
Frauenhoffer and Associates, P.C. Consulting Engineers
3002 Crossing Court Champaign, IL 61822 217-351-6268

RETAINING WALL DETAILS		SHEET	X
		DWG NO.	abut.DWG
		DATE	NOV 2009
		PROJ NO.	8137



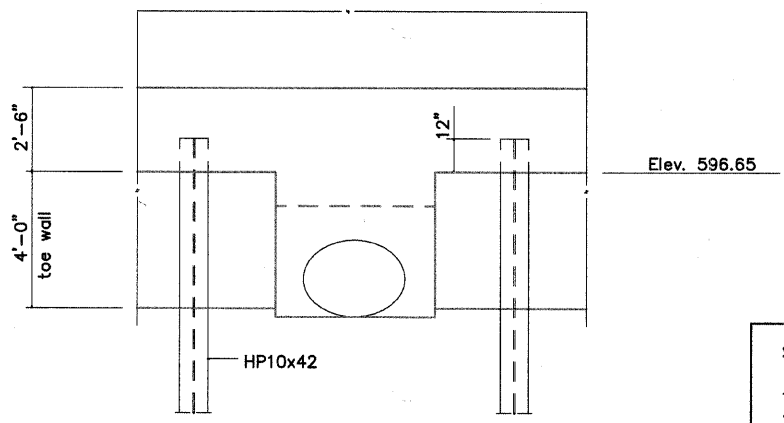
USER NAME =	DESIGNED -- KJH	REVISED --
PLOT SCALE =	DRAWN -- KJH	REVISED --
PLOT DATE =	CHECKED -- JF	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DUPAGE RIVER BRIDGE
RETAINING WALL DETAILS
SCALE: 3/4"=1'-0" SHEET NO. 2 OF 3 SHEETS

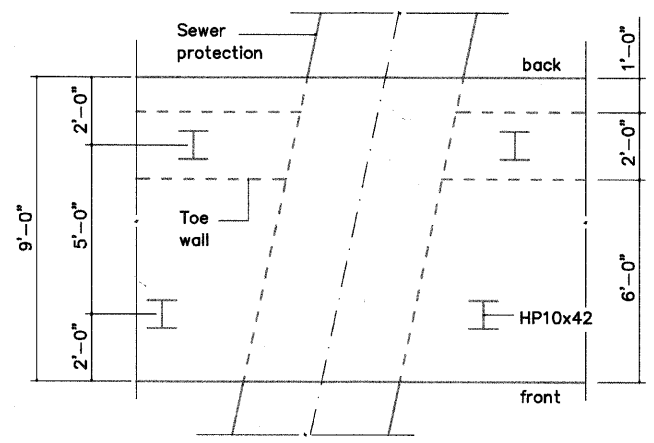
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63325				

W:\P\110113\130113 Dupage River Trail\cod\Phase 1\Frauenhoffer Details.dwg Updated by: abussena 1/14/2010

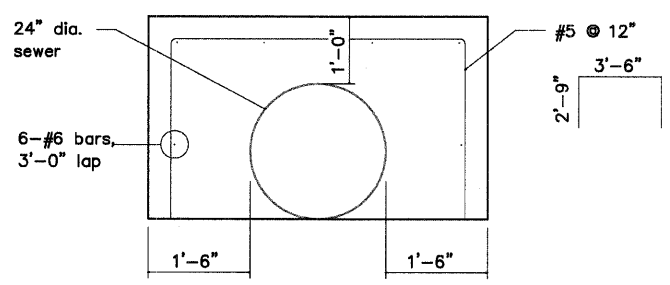


WALL FOUNDATION ELEVATION AT SEWER PROTECTION

- SEWER PROTECTION GUIDELINES.**
- 1) Expose sewer line.
 - 2) Excavate around sewer for placement of concrete protection.
 - 3) Place concrete and rebar for sewer protection.
 - 4) Drive piling for retaining walls and abutments.
- SEWER PROTECTION MUST BE IN PLACE BEFORE ANY PILES ARE DRIVEN.



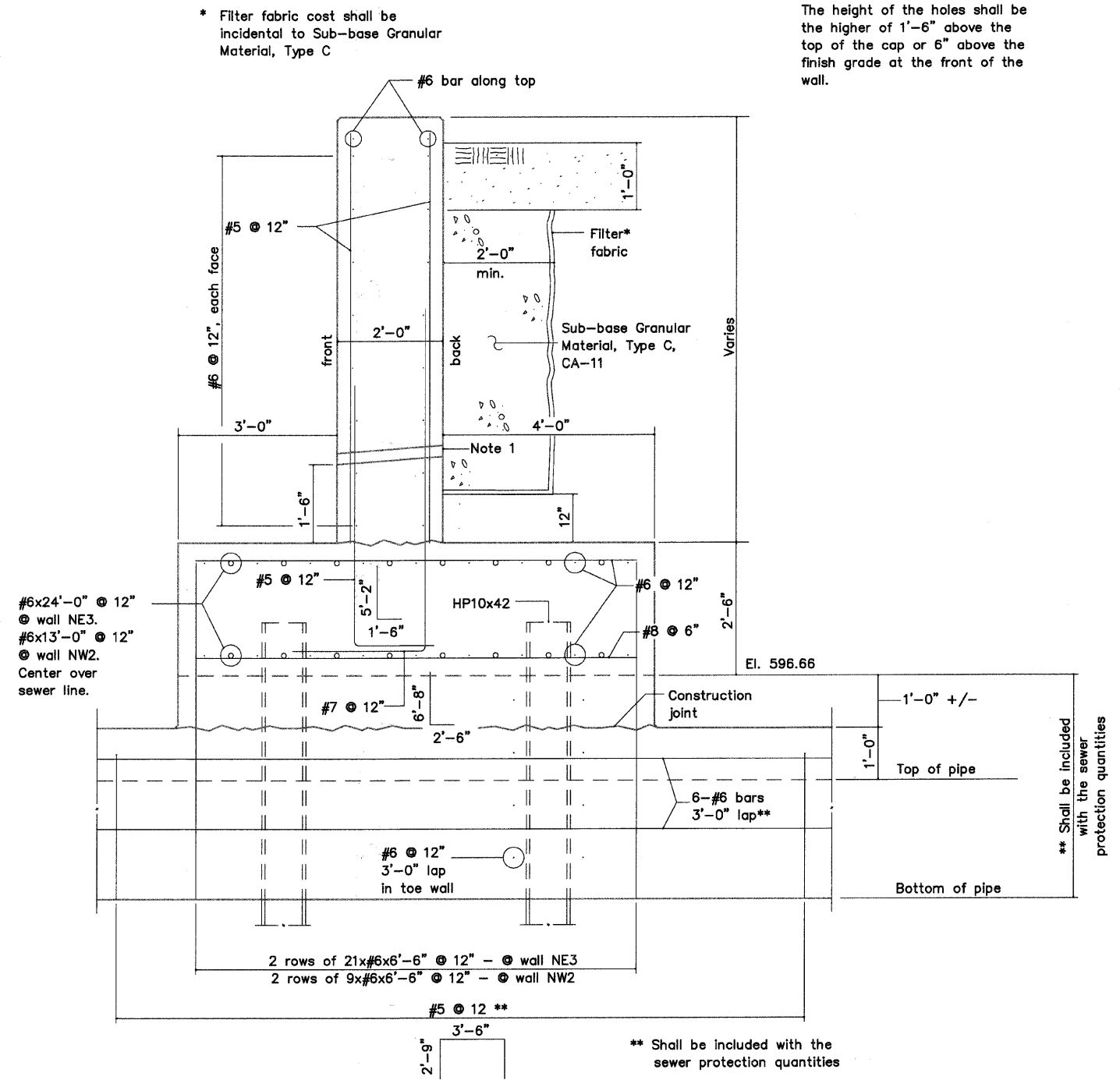
WALL FOUNDATION PLAN AT SEWER PROTECTION



SEWER PROTECTION
102' OF PROTECTION

Clear covers shall be:
 3" bottom
 3" sides of footing
 2" sides of walls
 2" top

All edges shall receive a 3/8" chamfer.



WALL SECTION THROUGH SEWER PROTECTION

Note 1: Place 2" dia. PVC weep holes @ 10' max c/c. Cost shall be included in Concrete Structures. The height of the holes shall be the higher of 1'-6" above the top of the cap or 6" above the finish grade at the front of the wall.

* Filter fabric cost shall be incidental to Sub-base Granular Material, Type C

#6x24'-0" @ 12" @ wall NE3.
 #6x13'-0" @ 12" @ wall NW2.
 Center over sewer line.

2 rows of 21x#6x6'-6" @ 12" - @ wall NE3
 2 rows of 9x#6x6'-6" @ 12" - @ wall NW2

** Shall be included with the sewer protection quantities

** Shall be included with the sewer protection quantities

FRAUENHÖFFER

Frauenhoffer and Associates, P.C. Consulting Engineers
 3002 Crossing Court Champaign, IL 61822 217-351-6268

RETAINING WALL DETAILS - AT SEWER

SHEET	X
DWG NO.	abut.DWG
DATE	NOV 2009
PROJ NO.	8137

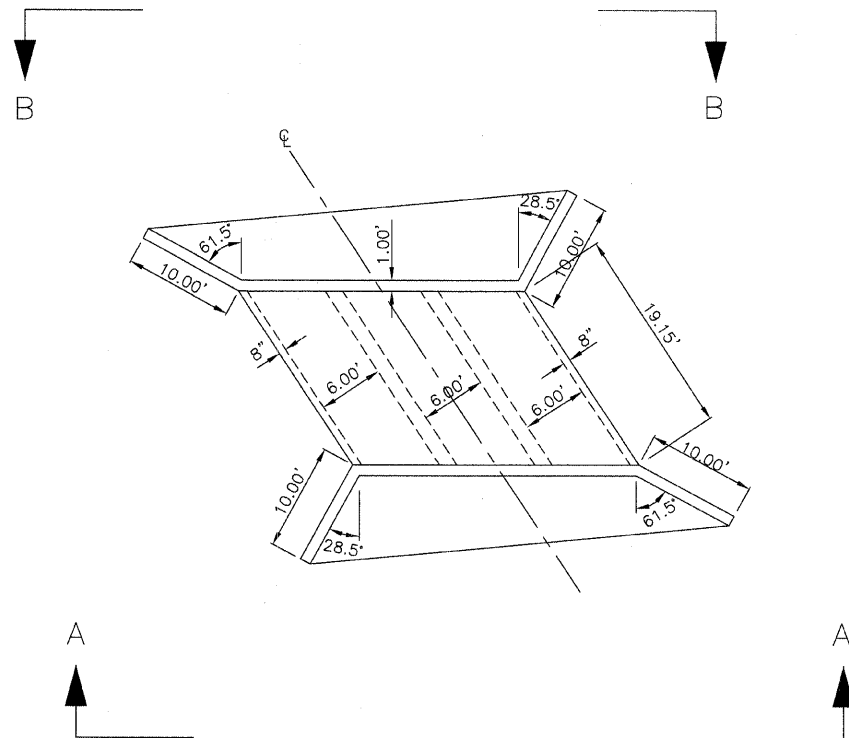


USER NAME =	DESIGNED -- KJH	REVISED --
PLOT SCALE =	DRAWN -- KJH	REVISED --
PLOT DATE =	CHECKED -- JF	REVISED --
	DATE -- JANUARY, 2010	REVISED --

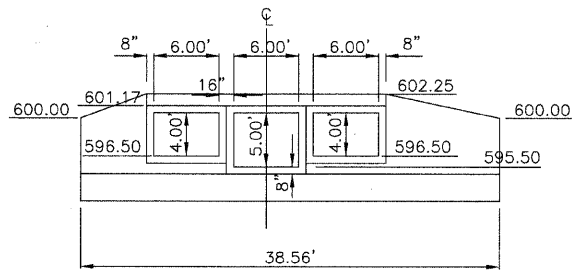
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DUPAGE RIVER BRIDGE
 RETAINING WALL DETAILS
 SCALE: 3/8"=1'-0" SHEET NO. 3 OF 3 SHEETS

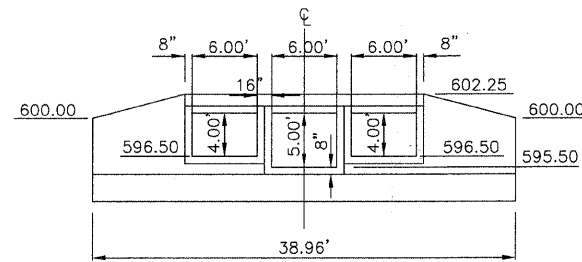
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	30
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	



PLAN VIEW



SECTION A

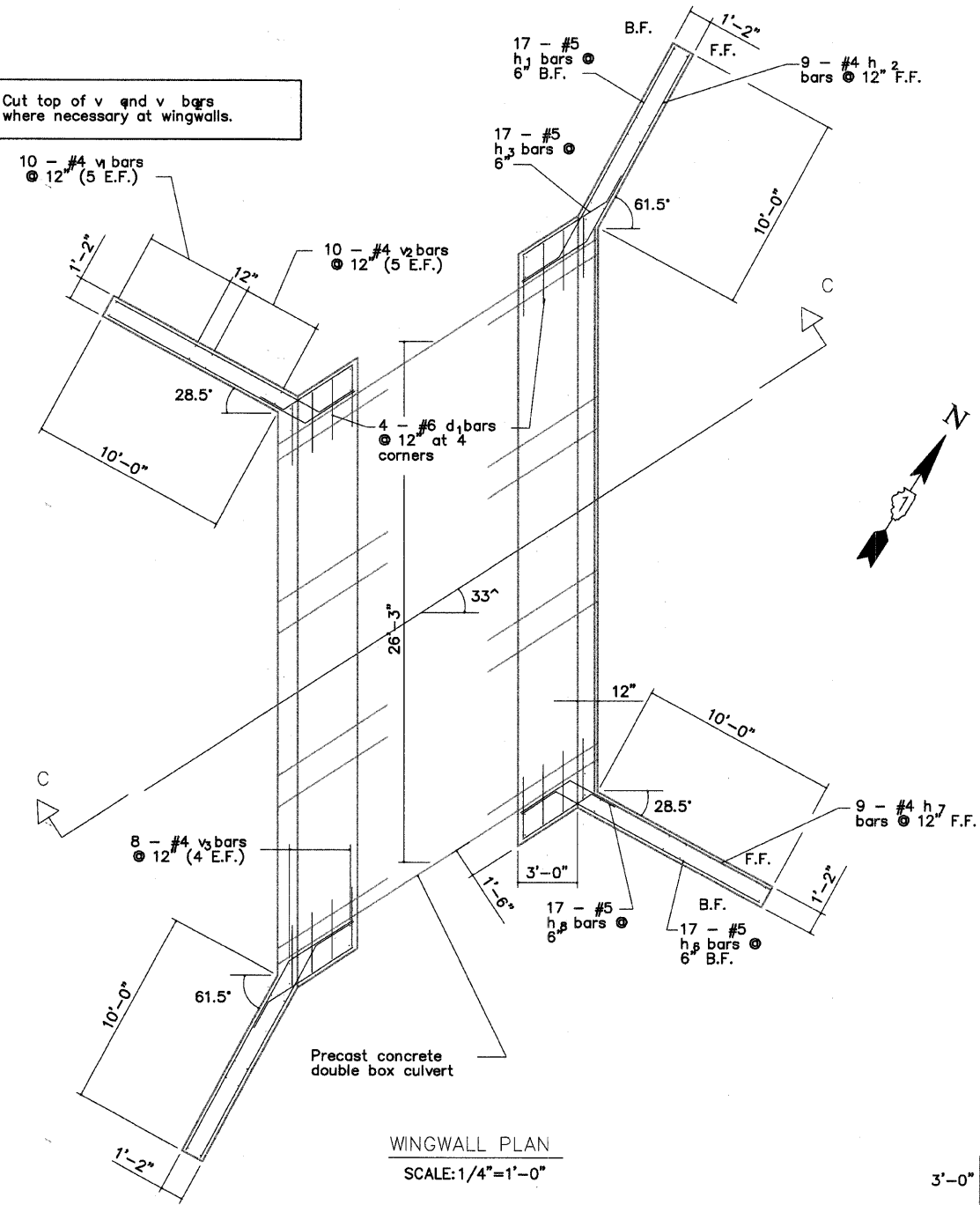


SECTION B

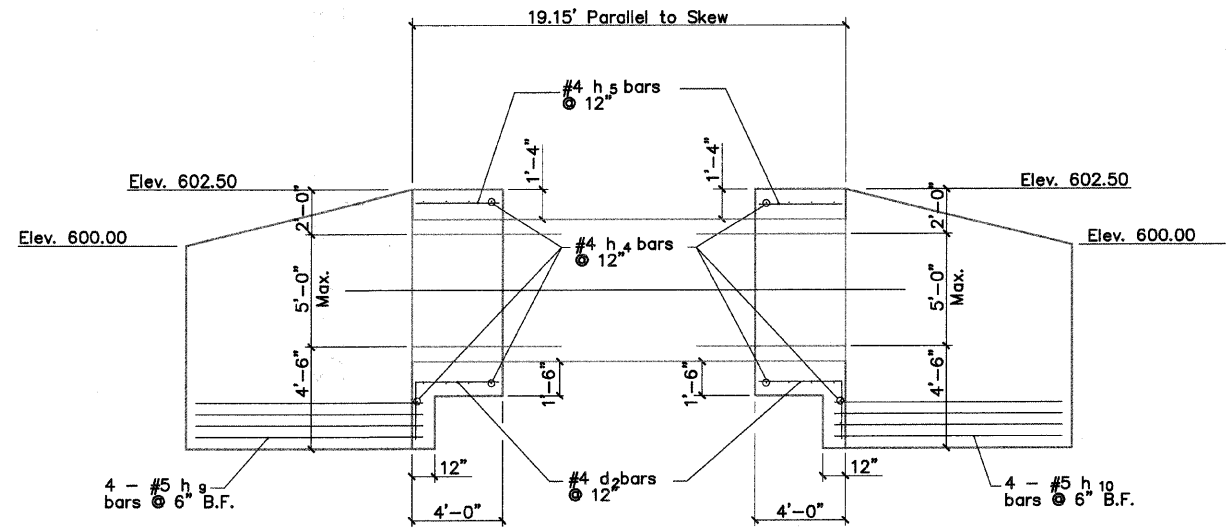
WEST NORMAN
BOX CULVERT
NOT TO SCALE

<p>ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS</p>	USER NAME =	DESIGNED -- BD	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEST NORMAN BOX CULVERT		F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN -- DB	REVISED --				01-P4015-01-BT	WILL	41	31	
	PLOT DATE =	CHECKED -- JFM	REVISED --		SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS		CONTRACT NO. 63325				
		DATE -- JANUARY, 2010	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

Cut top of v and v₃ bars where necessary at wingwalls.



WINGWALL PLAN
SCALE: 1/4"=1'-0"

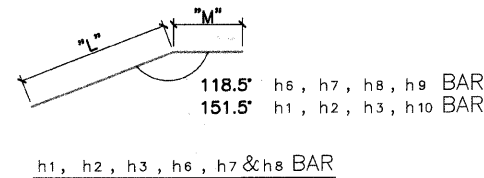
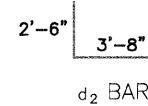
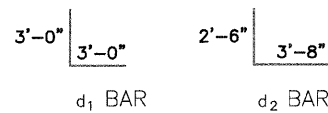


SECTION C-C
SCALE: 1/4"=1'-0"

BAR	"L"	"M"
h ₁	12'-0"	2'-2"
h ₂	10'-8"	3'-8"
h ₃	5'-0"	1'-0"
h ₆	11'-6"	2'-0"
h ₇	11'-2"	2'-10"
h ₈	4'-1"	1'-0"
h ₉	10'-1"	3'-0"
h ₁₀	9'-5"	3'-0"

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h ₁	34	# 5	14'-2"	
h ₂	18	# 4	14'-4"	
h ₃	34	# 5	6'-0"	
h ₄	20	# 4	28'-9"	
h ₅	58	# 4	4'-2"	
h ₆	34	# 5	13'-6"	
h ₇	18	# 4	14'-0"	
h ₈	34	# 4	5'-1"	
h ₉	8	# 5	13'-1"	
h ₁₀	8	# 5	12'-5"	
v ₁	40	# 4	9'-9"	
v ₂	40	# 4	11'-0"	
v ₃	32	# 4	8'-6"	
d ₁	32	# 6	6'-0"	└┘
d ₂	58	# 4	6'-2"	└┘
CONCRETE STRUCTURES			CU. YD.	60.0
REINFORCEMENT BARS			POUND	3,680



I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current AASHTO Standard Specifications for Highway Bridges.

Kelly Jo Hoffmann
 KELLY JO HOFFMANN
 Illinois Licensed Structural Engineer Number 4192
 License Expires 11/30/10



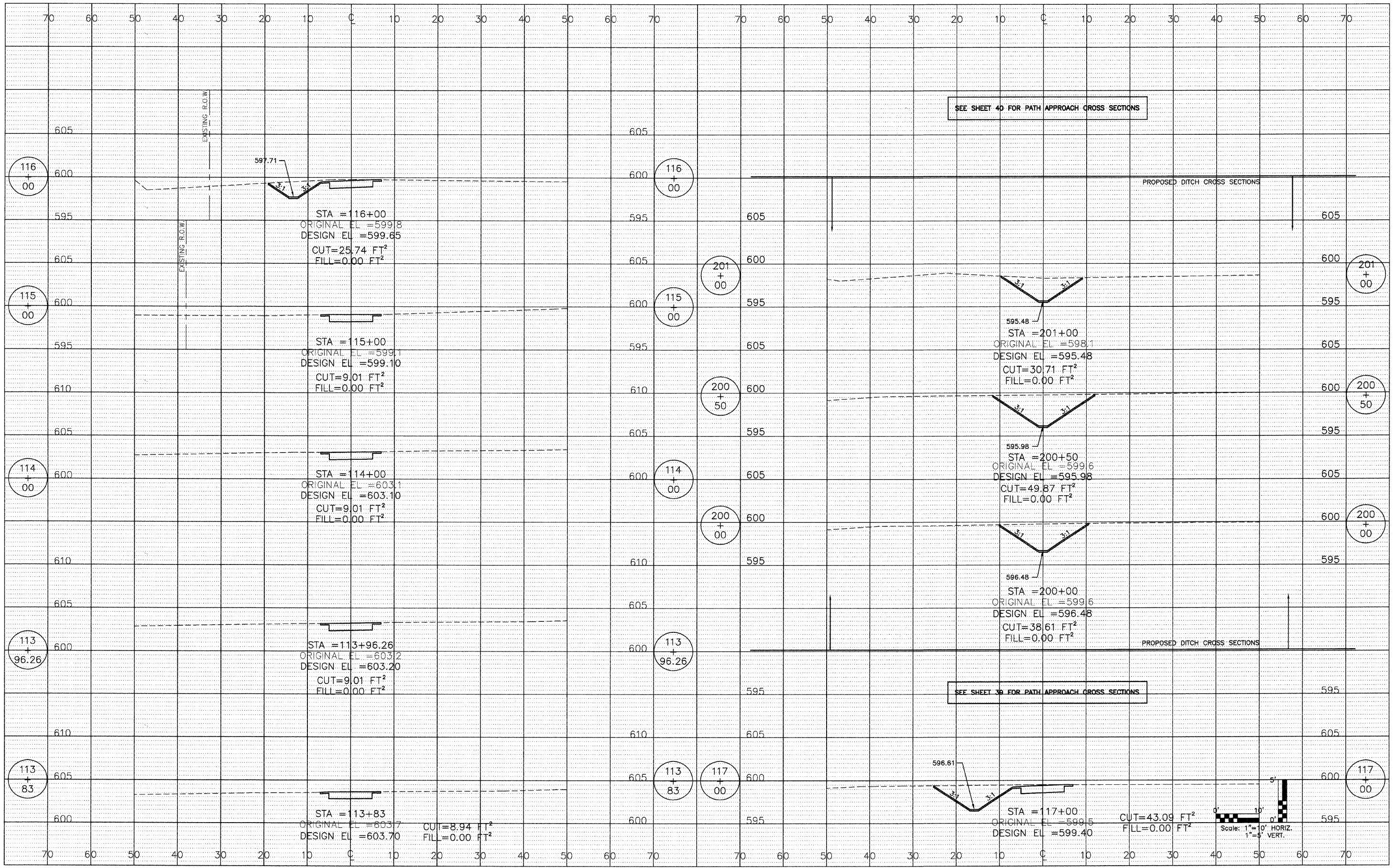
USER NAME =	DESIGNED -- KJH	REVISED --
PLOT SCALE =	DRAWN -- KJH	REVISED --
PLOT DATE =	CHECKED -- JF	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST NORMAN BOX CULVERT
END SECTION DETAIL

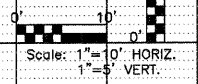
SCALE: 1/4"=1'-0" SHEET NO. 1 OF 1 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	32
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	



SEE SHEET 40 FOR PATH APPROACH CROSS SECTIONS

SEE SHEET 39 FOR PATH APPROACH CROSS SECTIONS



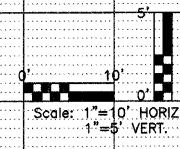
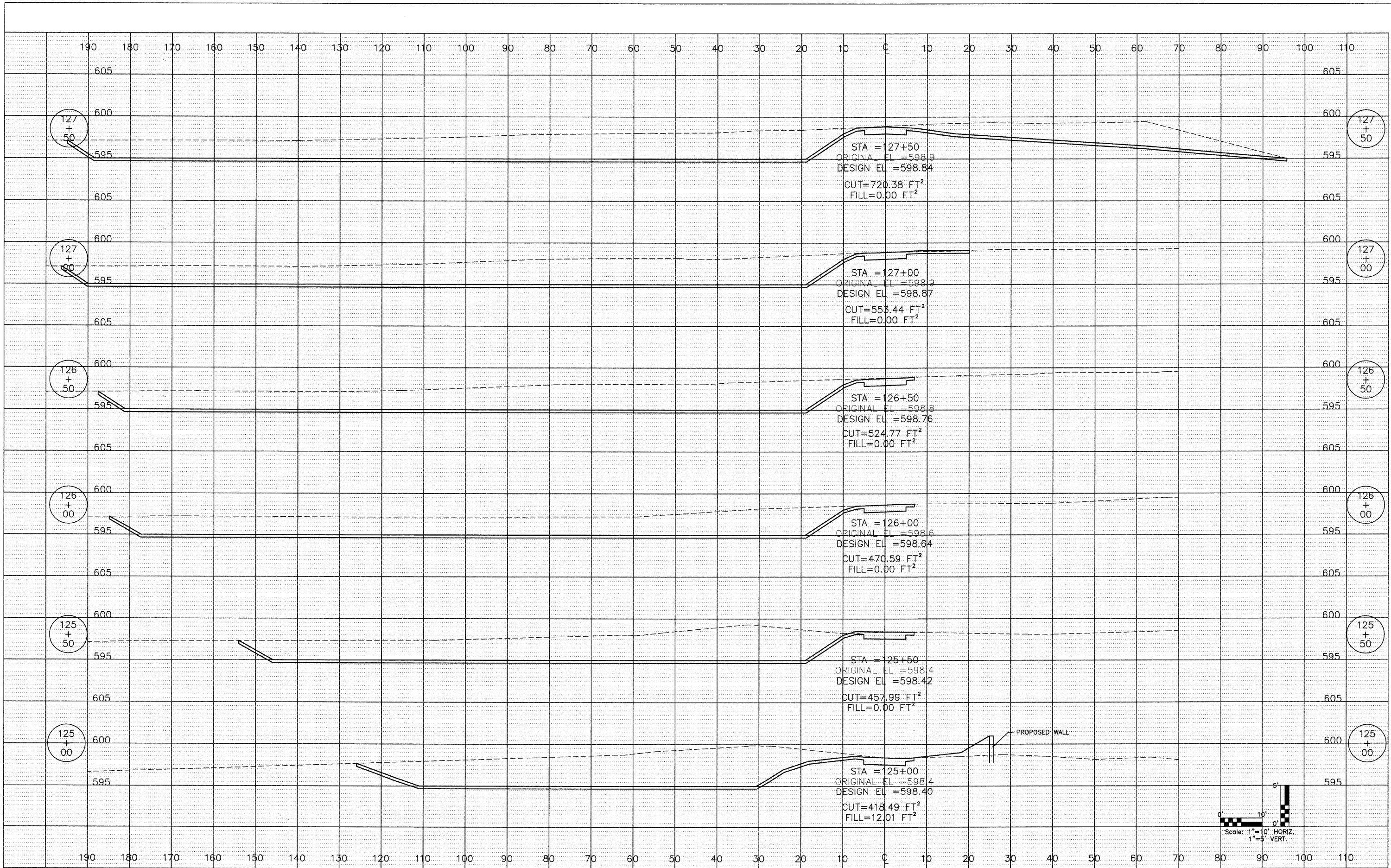
USER NAME	DESIGNED -- BD	REVISED --
PLOT SCALE	DRAWN -- DB	REVISED --
PLOT DATE	CHECKED -- JFM	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PATH
CROSS SECTIONS

SCALE: NONE SHEET NO. 1 OF 9 SHEETS STA. 113+83 TO STA. 117+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	



USER NAME	DESIGNED -- BD	REVISED --
PLOT SCALE	DRAWN -- DB	REVISED --
PLOT DATE	CHECKED -- JFM	REVISED --
	DATE -- JANUARY, 2010	REVISED --

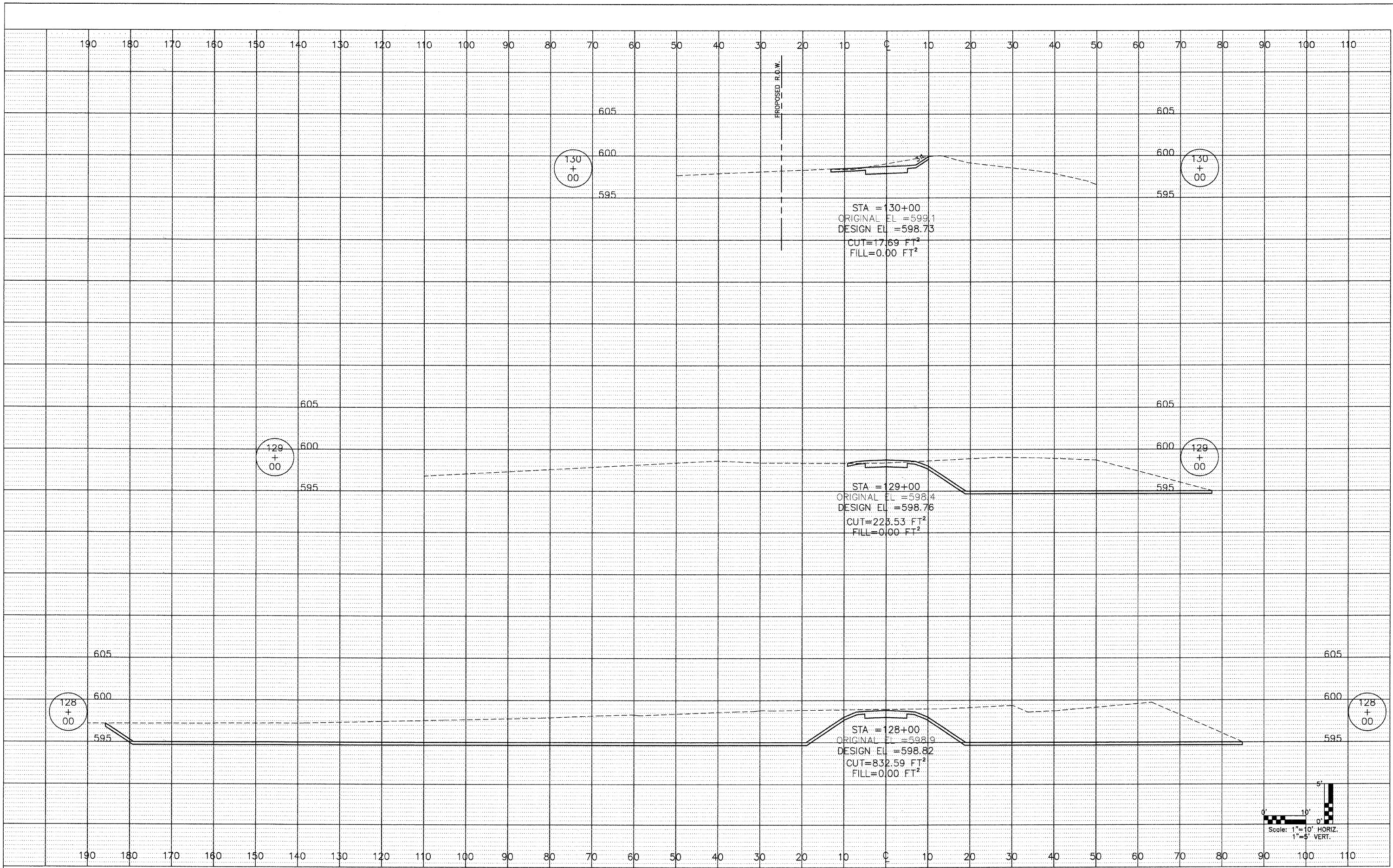
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET NO. 2 OF 9 SHEETS	STA. 125+00 TO STA. 127+50
-------------	-------------------------	----------------------------

PROPOSED PATH
CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	34
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	

W:\P\infield\201013 Duffie River Trail\cad\Phase 1\c001002.dwg Updated by: abusama 1/11/2010

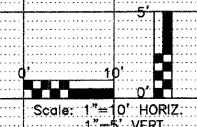
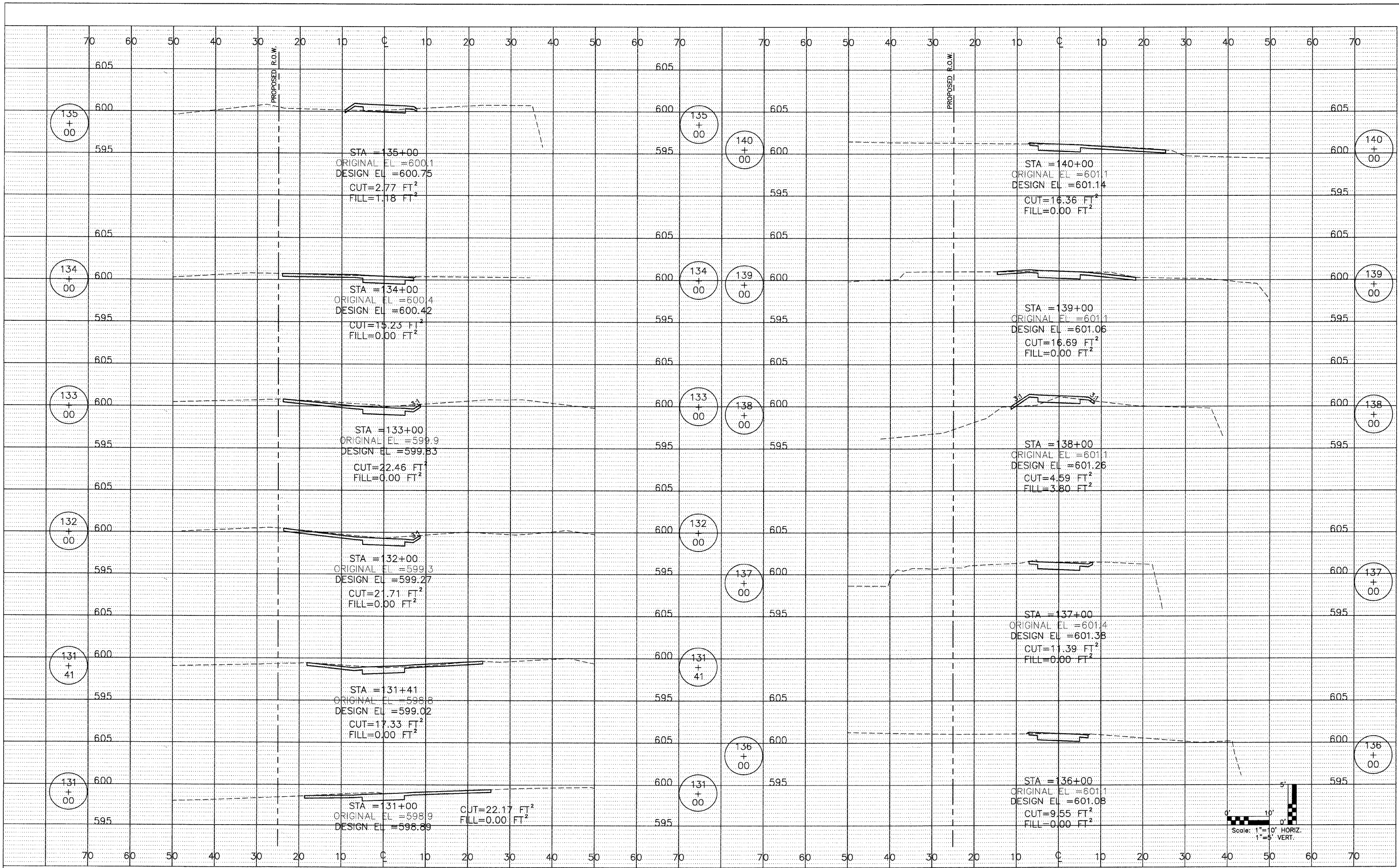


ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME	DESIGNED -- BD	REVISED --
		DRAWN -- DB	REVISED --
	PLOT SCALE	CHECKED -- JFM	REVISED --
	PLOT DATE	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

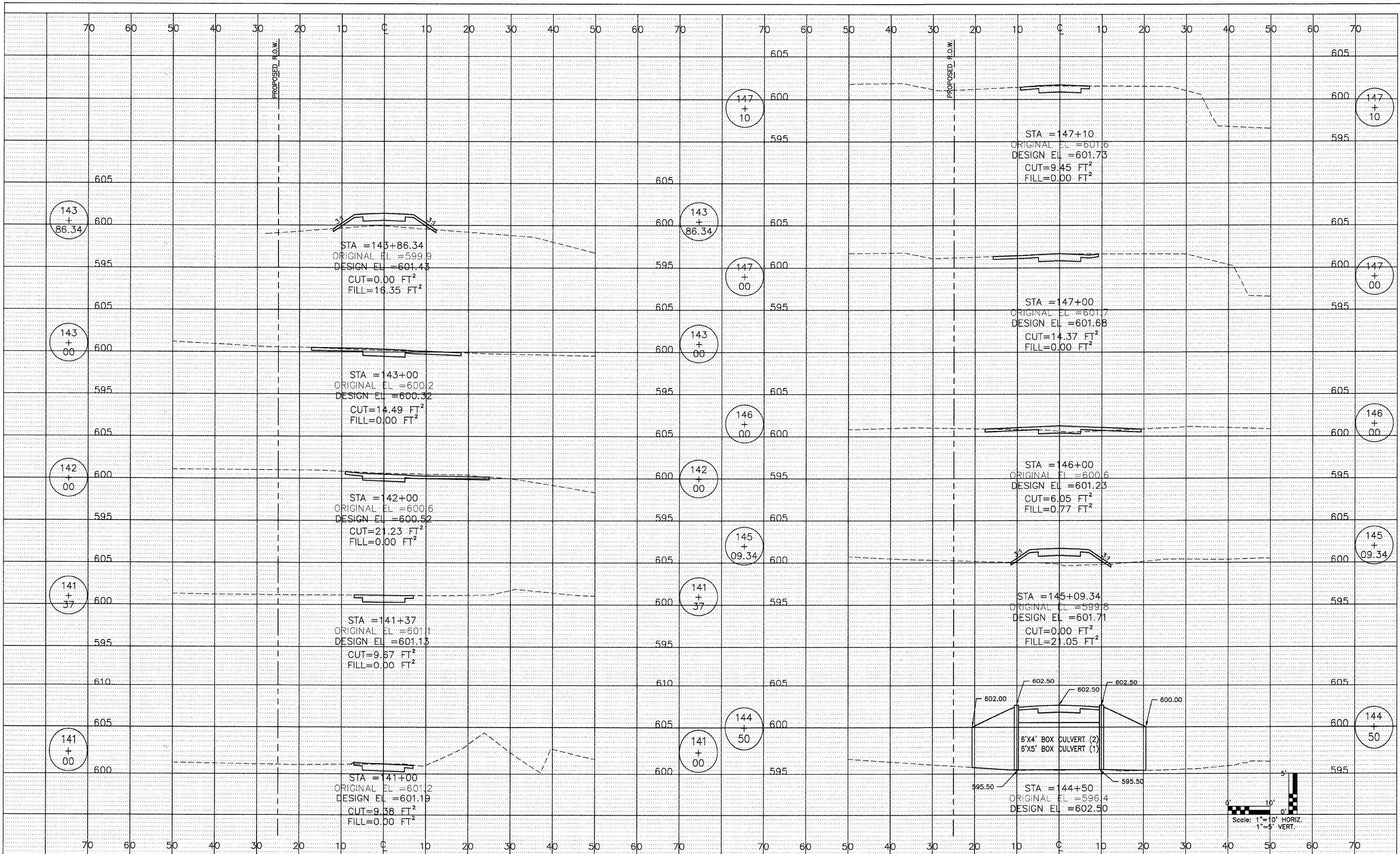
PROPOSED PATH CROSS SECTIONS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE SHEET NO. 3 OF 9 SHEETS STA. 128+00 TO STA. 130+00			01-P4015-01-BT	WILL	41	35
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
		CONTRACT NO. 63325				

Updated by: dbussem 1/14/2010
 W:\p\m\m\p\0270113 DuPage River Trail\Lead\Phase 1\c001002.dwg



	USER NAME	DESIGNED -- BD	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PATH CROSS SECTIONS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE	DRAWN -- DB	REVISED --		SCALE: NONE	SHEET NO. 4 OF 9 SHEETS	STA. 131+00 TO STA. 140+00	01-P4015-01-BT	WILL	41	36
	PLOT DATE	CHECKED -- JFM	REVISED --					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 63325	
		DATE -- JANUARY, 2010	REVISED --								

W:\Planfile\RD\270113 Durage River Trail\cod\Phase 1\c0202002.dwg Updated by: abussena 1/14/2010

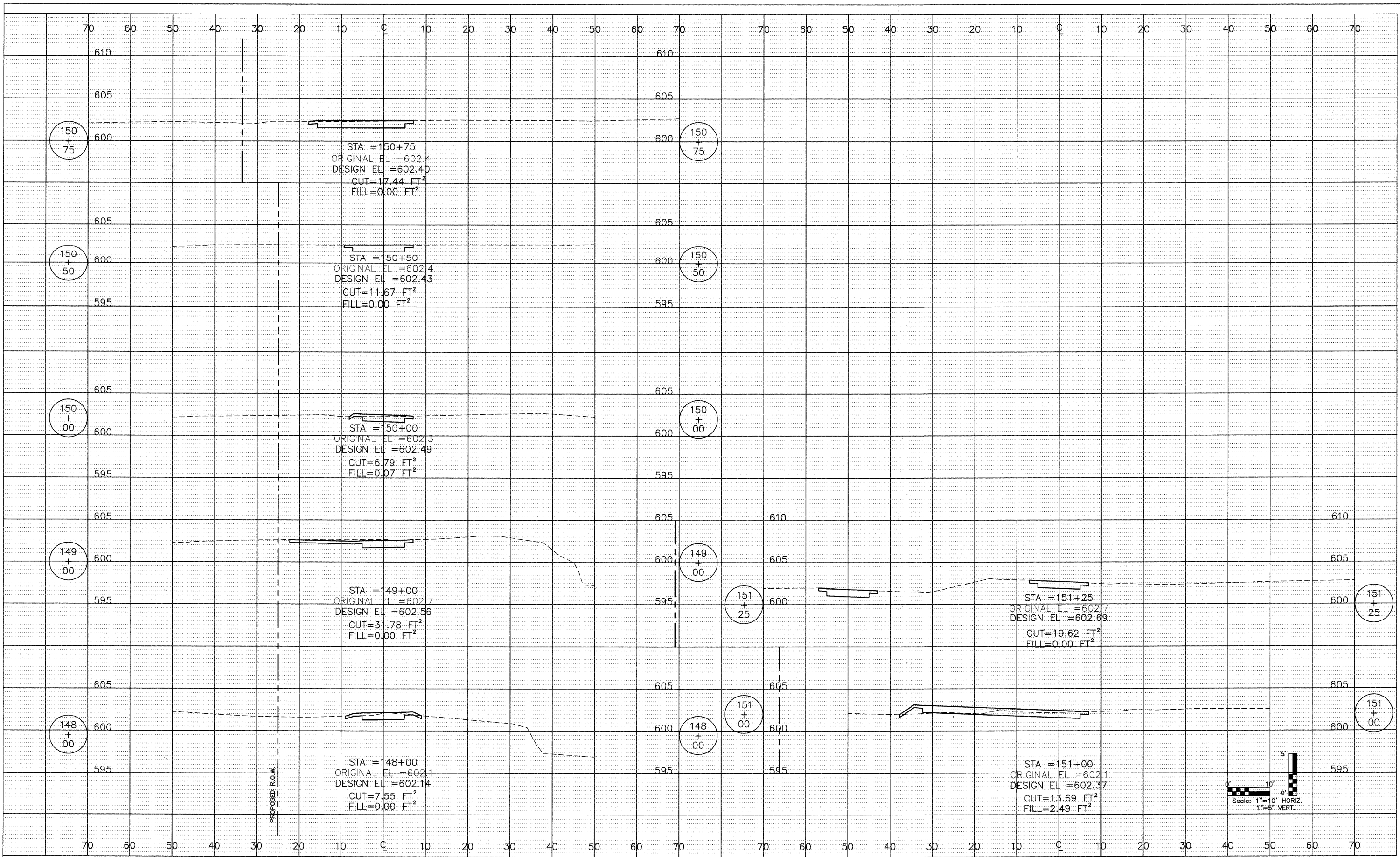


USER NAME	DESIGNED -- BD	REVISED --
PLOT SCALE	DRAWN -- DB	REVISED --
PLOT DATE	CHECKED -- JFM	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

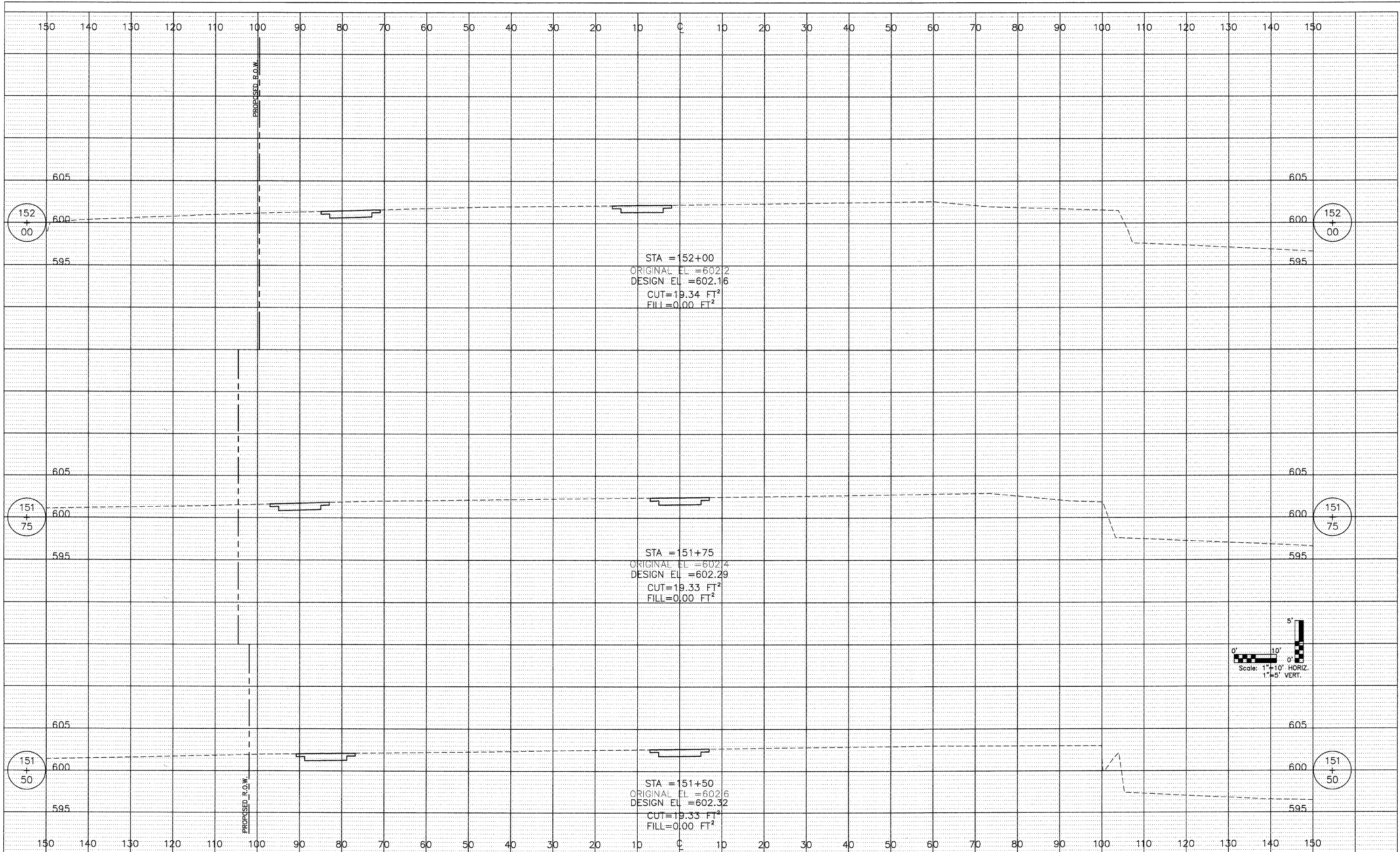
SCALE: NONE	SHEET NO. 5 OF 9 SHEETS	STA. 141+00 TO STA. 147+10	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				01-P4015-01-BT	WILL	41	37
			CONTRACT NO. 63325				
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

W:\Projects\2010\13 Durage River Trail\cadd\Phase 1\c030302.dwg Updated by: dbusema 1/14/2010



	ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	DESIGNED -- BD	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PATH CROSS SECTIONS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	USER NAME	DRAWN -- DB	REVISED --		SCALE: NONE	SHEET NO. 6 OF 9 SHEETS	STA. 148+00 TO STA. 151+25	01-P4015-01-BT	WILL	41	38
	PLOT SCALE	CHECKED -- JFM	REVISED --					CONTRACT NO. 63325			
	PLOT DATE	DATE -- JANUARY, 2010	REVISED --					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

w:\p\m\m\p4015\20113 Dupage River Trail\cadd\phase 1\c003002.dwg Updated by: dbusemo 1/14/2010



ENGINEERING
 RESOURCE
 ASSOCIATES, INC.
 CONSULTING ENGINEERS, SCIENTISTS
 & SURVEYORS

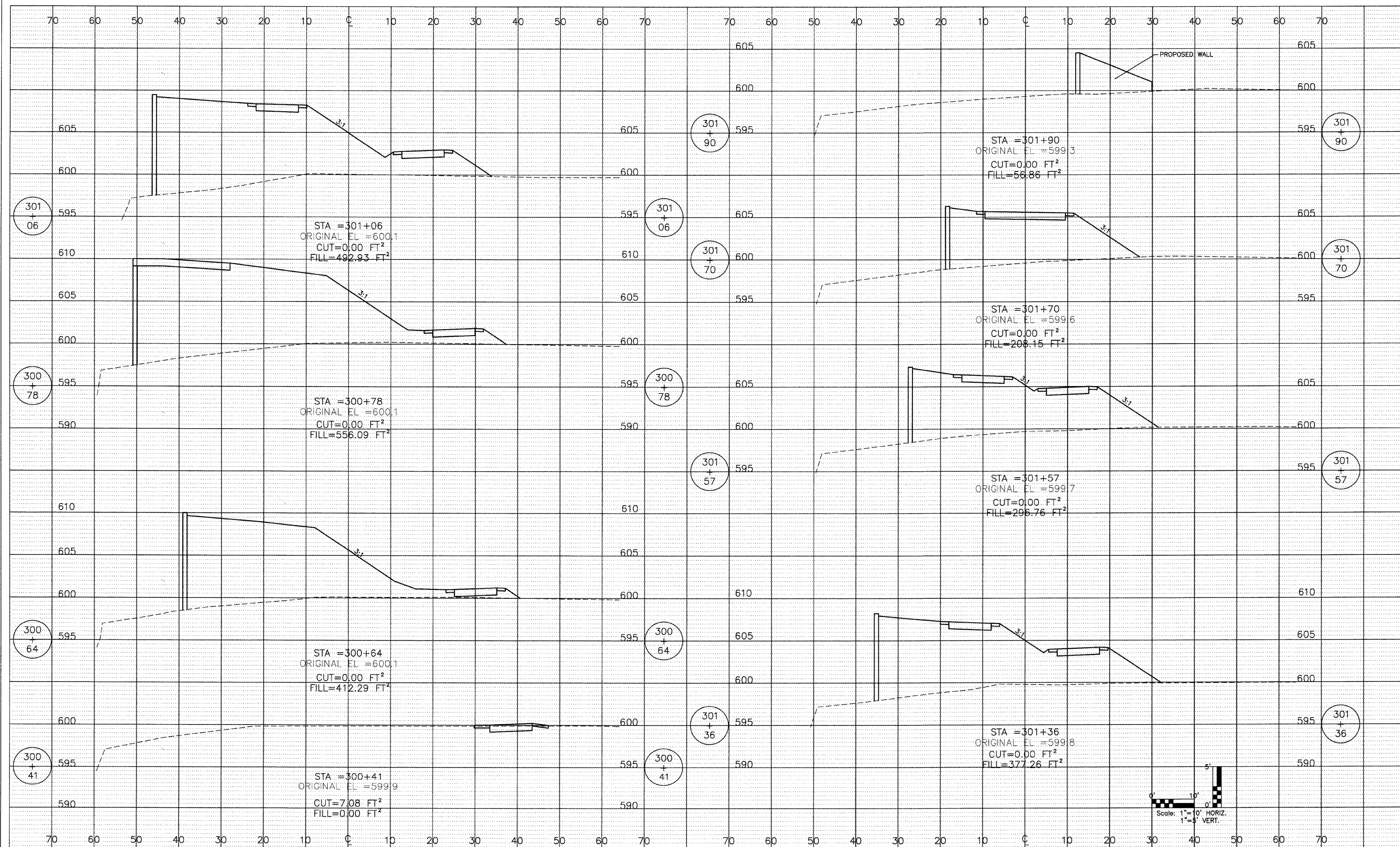
USER NAME	DESIGNED -- BD	REVISED --
PLOT SCALE	DRAWN -- DB	REVISED --
PLOT DATE	CHECKED -- JFM	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED PATH
 CROSS SECTIONS

SCALE: NONE SHEET NO. 7 OF 9 SHEETS STA. 148+00 TO STA. 152+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	39
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	



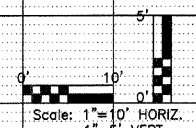
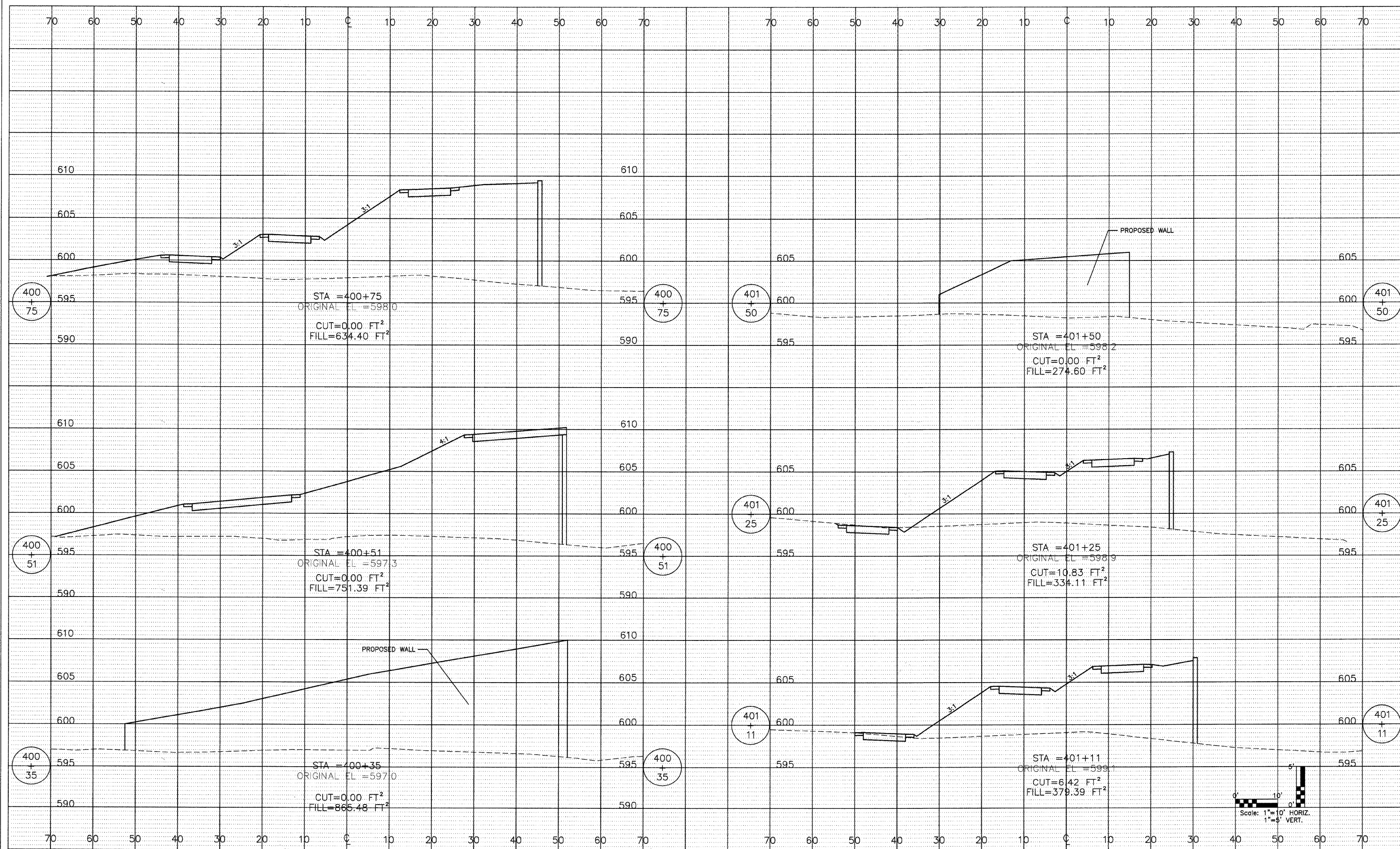
ENGINEERING RESOURCE ASSOCIATES, INC.
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS

USER NAME =	DESIGNED -- BD	REVISED --
PLOT SCALE =	DRAWN -- DB	REVISED --
PLOT DATE =	CHECKED -- JFM	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATH APPROACH SOUTH OF BRIDGE
SCALE: NONE SHEET NO. 8 OF 9 SHEETS STA. 300+41 TO STA. 301+90

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	40
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63325	



USER NAME =	DESIGNED -- BD	REVISED --
PLOT SCALE =	DRAWN -- DB	REVISED --
PLOT DATE =	CHECKED -- JFM	REVISED --
	DATE -- JANUARY, 2010	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATH APPROACH NORTH OF BRIDGE
SCALE: NONE SHEET NO. 9 OF 9 SHEETS STA. 400+35 TO STA. 401+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	01-P4015-01-BT	WILL	41	41
CONTRACT NO. 63325				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

W:\p\m\res\270113 DuPage River Trail\09 Phase 1\c\01006.dwg Updated by: abussano 1/14/2010