

07-31-2015 LETTING ITEM 016

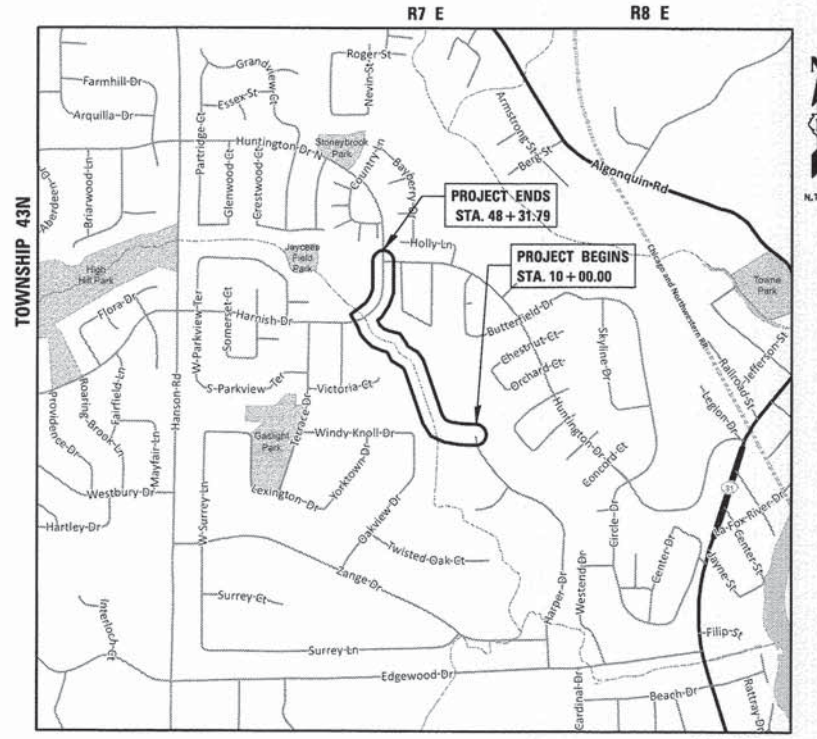
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	14-00087-00-BT	McHENRY	51	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 61B80		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

MULTI-USE PATH
HARPER DRIVE CUL-DE-SAC TO HARNISH DRIVE

SECTION NO. 14-00087-00-BT
PROJECT No. TE-00D1(011)
VILLAGE OF ALGONQUIN
McHENRY COUNTY
C-91-377-15



LOCATION MAP

GROSS LENGTH OF PROJECT = 2,270 FEET (0.43 MILE)
NET LENGTH OF PROJECT = 2,270 FEET (0.43 MILE)

THE PROJECT IS LOCATED IN
THE VILLAGE OF ALGONQUIN

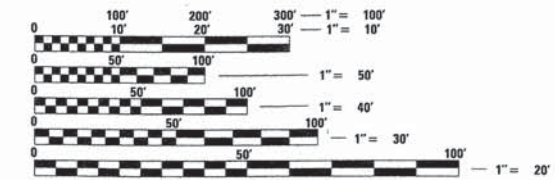
TRAFFIC DATA

HARNISH DRIVE
ADT (YEAR) = 2,200 (2013)
SPEED LIMIT = 25 MPH

DESIGN DESIGNATION: MAJOR COLLECTOR

HARPER DRIVE
ADT (YEAR) = 1,000 (2013)
SPEED LIMIT = 25 MPH

DESIGN DESIGNATION: LOCAL ROAD



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
8-1-1 OR 1-800-892-0123

CB CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018 (847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175
EXPIRATION DATE: 04/30/17

CONTRACT NO. 61B80

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 4/30 2015
[Signature]
PUBLIC WORKS DIRECTOR, VILLAGE OF ALGONQUIN

PASSED MAY 15 2015
[Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR
BID BASED ON
LIMITED REVIEW May 18 2015
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

LEE M. FELL
062-053708
REGISTERED
PROFESSIONAL
ENGINEER
OF
ILLINOIS

[Signature] 4/30/15
ENGINEER DATE

LEE M. FELL
ILLINOIS REGISTRATION No. 062-053708
EXPIRATION DATE: 11/30/2015

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E. (847) 705-4021
SCHAUMBURG, ILLINOIS

GENERAL NOTES

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE LATEST REVISION; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (LIMITED), THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", (SSTCI); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY 1996 FIFTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT HIGHWAY STANDARD.

CODES OF THE IEPA TITLE 35, AND O.S.H.A. SHALL BE ADHERED TO FOR THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 700 OF THE STANDARD SPECIFICATIONS.

ALL REQUIRED PERMITS FROM THE PROPER GOVERNING AGENCY SHALL BE OBTAINED FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHEETING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE AGENCY, AT THE CONTRACTOR'S OWN EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.

UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITY FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE VILLAGE. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 8-1-1 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES (48 HOURS NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL CONTACT IDOT'S BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS BEFORE PLACING HOT-MIX ASPHALT OR PORTLAND CEMENT CONCRETE.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE VILLAGE, ITS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

WATER, STORM SEWER AND SANITARY SEWER

WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF INLET FILTERS.

THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS. CONTACT THE VILLAGE OF ALGONQUIN WATER DEPARTMENT (TEL. 847-658-2754) FOR THEM TO TURN VALVES OR OPERATE HYDRANTS. UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.

MISCELLANEOUS

ACCESS: THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION. THE COST TO PROVIDE ACCESS SHALL BE PAID FOR AND INCLUDED IN THE ITEM AGGREGATE FOR TEMPORARY ACCESS.

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL SAWCUTTING SHALL BE INCLUDED TO REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

RELOCATING EXISTING SIGNS: EXISTING SIGNS WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED AND REINSTALLED UPON COMPLETION OF CONFLICTING IMPROVEMENTS IN ACCORDANCE WITH ARTICLE 107.25 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". STOP SIGNS, SPEED LIMIT SIGNS, AND STREET NAME SIGNS SHALL BE UP AND VISIBLE AT ALL TIMES. THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

ROAD CONSTRUCTION AHEAD SIGNS SHALL BE PLACED AT ALL SIDE STREETS PER TC-10 AND BOTH ENDS OF THE ROADWAY WHILE CONSTRUCTION IS IN PROGRESS. THIS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

PROPOSED CONCRETE CURB AND GUTTER SHALL BE TRANSITIONED TO EXISTING CURB AND GUTTER OVER A LENGTH OF 5 FEET. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT.

CONTRACTOR SHALL NOT PLACE SEED UNTIL THE TEMPERATURE IS 80° OR LESS AND THE FORECAST FOR THE NEXT 7 DAYS SHOWS TEMPERATURES OF 80° OR LESS. IF ALL OTHER PAY ITEMS ARE COMPLETED, THE CONTRACTOR WILL NOT BE CHARGED WORKING DAYS FOR DELAYS IN PARKWAY RESTORATION DUE TO TEMPERATURE.

NO CONSTRUCTION SHALL BEGIN UNTIL ALL PROPER TEMPORARY SIGNS AND BARRICADES HAVE BEEN INSTALLED.

PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

VANDALISM - SPECIAL ATTENTION IS CALLED TO THE SPECIAL PROVISION FOR "INSPECTION" AS WELL AS ARTICLE 107.30 OF THE "STANDARD SPECIFICATIONS." ANY DEFACED WORK AS DETERMINED AND DIRECTED BY THE VILLAGE SHALL BE CORRECTED OR REPLACED TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT HIS SOLE EXPENSE PRIOR TO FINAL PAYMENT. THE VILLAGE OF ALGONQUIN WILL COOPERATE WITH THE CONTRACTOR TO MINIMIZE VANDALISM, BUT THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE TO CORRECT ANY DAMAGE. THE VILLAGE WILL NOT BE RESPONSIBLE FOR THE SECURITY OF THE WORK SITE IN THIS REGARD, OTHER THAN NORMAL PATROLLING AND RESPONSE TO EMERGENCIES. THE COST OF ADDITIONAL SECURITY REQUIRED TO MEET THIS SPECIAL PROVISION SHALL BE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

THOSE SEEKING THE FULL GEOTECHNICAL REPORT SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION, PLEASE CONTACT:

LEE M. FELL, PE, CPESC
CHRISTOPHER B. BURKE ENGINEERING, LTD. (CBBEL)
OFFICE PHONE: 847-823-0500

INDEX OF SHEETS

DESCRIPTION	SHEET NO.
COVER SHEET	1
GENERAL NOTES	2
SUMMARY OF QUANTITIES	3-3A
EARTHWORK TABLES	4-5
TYPICAL SECTIONS	6-7
MULTI-USE PATH ALIGNMENT AND BENCHMARKS	8
EXISTING CONDITIONS AND REMOVAL PLAN HARPER DRIVE	9-10
EXISTING CONDITIONS AND REMOVAL PLAN HARNISH DRIVE	11
MULTI-USE PATH PLAN AND PROFILE HARPER DRIVE	12-14
MULTI-USE PATH PLAN AND PROFILE HARNISH DRIVE	15-16
LANDSCAPE PLANS	17-19
CONSTRUCTION DETAILS	20-22
MULTI-USE PATH BOARDWALK GENERAL PLAN AND ELEVATION	23
MULTI-USE PATH BOARDWALK SECTIONS AND DETAILS	24
MULTI-USE PATH BOARDWALK STRUCTURE VIEW DECK PLAN, ELEVATION AND DETAILS	25
MULTI-USE PATH SEGMENTAL CONCRETE BLOCK WALL GENERAL PLAN AND ELEVATION	26-27
MULTI-USE PATH SEGMENTAL CONCRETE BLOCK WALL SECTION AND DETAIL	28
PROPOSED BOARDWALK STRUCTURE RAIL POST DETAILS	29
TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	30
TC-13: DISTRICT ONE, TYPICAL PAVEMENT MARKINGS	31
TC-16: PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING	32
MULTI-USE PATH CROSS SECTIONS HARPER DRIVE	33-48
MULTI-USE PATH CROSS SECTIONS HARNISH DRIVE	49-51

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
602401-03	MANHOLE, TYPE A
604001-04	FRAME AND LIDS, TYPE 1
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15'-24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES

DISTRICT ONE DETAILS

TC-10	TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE, TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

FILE NAME = N:\ALGONQUIN\070273\070273.00061\Civil\pt_070273_01.SHT	USER NAME = edtda	DESIGNED - LMF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = NOT TO SCALE	CHECKED - JGS	REVISED -	---			14-00087-00-BT	McHENRY	51	2	
PLOT DATE = 5/15/2015	DATE - 04/17/2015	REVISED -	CONTRACT NO. 61B80							
						SCALE: 20'	SHEET NO. 2 OF 51 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	CONSTRUCTION CODE 0028 TOTAL QUANTITY
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	198
		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	99
		20101100	TREE TRUNK PROTECTION	EACH	5
	*	20101200	TREE ROOT PRUNING	EACH	5
	*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5
	*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5
	*	20101700	SUPPLEMENTAL WATERING	UNIT	8
		20200100	EARTH EXCAVATION	CU YD	1,200
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	150
		20400800	FURNISHED EXCAVATION	CU YD	425
		21000310	GRANULAR EMBANKMENT, SPECIAL	CU YD	200
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,100
		21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	4,000
	*	25000110	SEEDING, CLASS 1A	ACRE	0.85
	*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	20
	*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	20
		28000305	TEMPORARY DITCH CHECKS	FOOT	200
		28000400	PERIMETER EROSION BARRIER	FOOT	1,300
		28000510	INLET FILTERS	EACH	5
		28100107	STONE RIPRAP, CLASS A4	SQ YD	10
		28200200	FILTER FABRIC	SQ YD	10
		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	50
		35101582	AGGREGATE BASE COURSE, TYPE B 2"	SQ YD	900
		35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	1,100
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,675
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	200
		42400800	DETECTABLE WARNINGS	SQ FT	50
		44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	100
		44000600	SIDEWALK REMOVAL	SQ FT	3,200
		48101498	AGGREGATE SHOULDERS, TYPE B 4"	SQ YD	75
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1
		54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2
		542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	14
		542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	51
		56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	2
		60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1

*INDICATES SPECIALTY ITEM
~INDICATES SPECIAL PROVISION

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	CONSTRUCTION CODE 0028 TOTAL QUANTITY
~		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	100
		67100100	MOBILIZATION	L SUM	1
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
		72000100	SIGN PANEL - TYPE 1	SQ FT	10
		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	6
		72900100	METAL POST - TYPE A	FOOT	30
	*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,450
	*	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	830
~		X4023000	TEMPORARY ACCESS (ROAD)	EACH	3
~		Z0004002	BOLLARDS	EACH	1
~		Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	2,050
~		Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	150
~		Z0013798	CONSTRUCTION LAYOUT	L SUM	1
~		Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	2,700
	*	A2000118	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	7
	*	A2002374	TREE, BETULA NIGRA (RIVER BIRCH), 10' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	4
	*	A2006524	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	4
	*	A2007122	TREE, QUERCUS RUBRA (RED OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	12
	*	A2007724	TREE, TAXODIUM DISTICHUM SHAWNEE BRAVE (SHAWNEE BRAVE BALD CYPRESS), 3" CALIPER, BALLED AND BURLAPPED	EACH	16
	*	A2007824	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 3" CALIPER, BALLED AND BURLAPPED	EACH	7
	*	A2007870	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	7
	*	B2000668	TREE, AMELANCHIER X GRANDIFLORA (APPLE SERVICEBERRY), 7' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	9
	*	B2001668	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 7' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	4
	*	C2001936	SHRUB, CORNUS SERICEA BAILEYI (BAILEY REDOSIER DOGWOOD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	35
	*	C2012248	SHRUB, VIBURNUM LANTANA (WAYFARINGTREE VIBURNUM), 4' HEIGHT, BALLED AND BURLAPPED	EACH	36
	*	C20154G5	SHRUB, JUNIPERUS VIRGINIANA BLUE MOUNTAIN, (BLUE MOUNTAIN JUNIPER), 5-GALLON	EACH	15
	*	C2C00624	SHRUB, ARONIA MELANOCARPA ELATA (GLOSSY BLACK CHOKEBERRY), 2' HEIGHT, CONTAINER	EACH	36
	*	D2002088	EVERGREEN, PICEA OMORIKA (SERBIAN SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	24
	*	D2002188	EVERGREEN, PICEA PUNGENS (COLORADO SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	16
~	*	K1005482	SHREDDED BARK MULCH 4"	CU YD	62
~		XX006429	SIDEWALK, SPECIAL	SQ FT	8,100
~	*	XX006858	RAILING	FOOT	410
~	*	XX008811	GATE, SPECIAL	EACH	1
~		XX008287	BOARDWALK STRUCTURE	SQ FT	2,730

*INDICATES SPECIALTY ITEM
~INDICATES SPECIAL PROVISION

EARTHWORK TABLE : HARPER MULTI-USE PATH

STA.	DIST. (FT)	CUT VOLUME			FILL VOLUME			TOPSOIL VOLUME		
		AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)
10+00		14.50			0.00			6.60		
	25		15.95	14.77		0.00	0.00		6.50	6.02
10+25		17.40			0.00			6.40		
	25		18.80	17.41		0.00	0.00		6.60	6.11
10+50		20.20			0.00			6.80		
	25		20.50	18.98		0.00	0.00		6.80	6.30
10+75		20.80			0.00			6.80		
	25		22.30	20.65		2.40	2.22		8.15	7.55
11+00		23.80			4.80			9.50		
	25		37.30	34.54		2.40	2.22		8.55	7.92
11+25		50.80			0.00			7.60		
	25		37.90	35.09		0.00	0.00		6.40	5.93
11+50		25.00			0.00			5.20		
	25		16.65	15.42		0.00	0.00		4.75	4.40
11+75		8.30			0.00			4.30		
	25		6.40	5.93		0.40	0.37		4.25	3.94
12+00		4.50			0.80			4.20		
	25		4.60	4.26		0.55	0.51		3.95	3.66
12+25		4.70			0.30			3.70		
	25		4.70	4.35		0.30	0.28		3.50	3.24
12+50		4.70			0.30			3.30		
	25		4.60	4.26		0.30	0.28		3.30	3.06
12+75		4.50			0.30			3.30		
	25		4.55	4.21		0.25	0.23		3.30	3.06
13+00		4.60			0.20			3.30		
	25		4.40	4.07		0.20	0.19		3.25	3.01
13+25		4.20			0.20			3.20		
	25		4.15	3.84		0.35	0.32		3.30	3.06
13+50		4.10			0.50			3.40		
	25		2.30	2.13		4.15	3.84		4.00	3.70
13+75		0.50			7.80			4.60		
	25		0.55	0.51		16.15	14.95		6.10	5.65
14+00		0.60			24.50			7.60		
	25		0.55	0.51		31.60	29.26		7.85	7.27
14+25		0.50			38.70			8.10		
	25		14.00	12.96		19.35	17.92		7.55	6.99
14+50		27.50			0.00			7.00		
	25		33.50	31.02		0.80	0.74		8.35	7.73
14+75		39.50			1.60			9.70		
	25		23.60	21.85		2.95	2.73		8.45	7.82
15+00		7.70			4.30			7.20		
	25		11.10	10.28		3.40	3.15		7.35	6.81
15+25		14.50			2.50			7.50		
	25		9.20	8.52		6.05	5.60		7.30	6.76
15+50		3.90			9.60			7.10		
	25		17.05	15.79		4.80	4.44		6.95	6.44
15+75		30.20			0.00			6.80		
	25		26.55	24.58		0.00	0.00		6.70	6.20
16+00		22.90			0.00			6.60		
	25		11.75	10.88		16.25	15.05		7.15	6.62
16+25		0.60			32.50			7.70		
	25		0.55	0.51		53.95	49.95		9.25	8.56
16+50		0.50			75.40			10.80		
	25		0.50	0.46		102.20	94.63		12.40	11.48
16+75		0.50			129.00			14.00		
	25		0.50	0.46		87.45	80.97		11.90	11.02
17+00		0.50			45.90			9.80		
	25		13.95	12.92		24.30	22.50		9.35	8.66

STA.	DIST. (FT)	CUT VOLUME			FILL VOLUME			TOPSOIL VOLUME					
		AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)			
17+25		27.40			2.70			8.90					
	25		22.60	20.93		2.40	2.22		8.45	7.82			
17+50		17.80			2.10			8.00					
	25		14.75	13.66		5.65	5.23		9.00	8.33			
17+75		11.70			9.20			10.00					
	25		19.95	18.47		6.15	5.69		9.30	8.61			
18+00		28.20			3.10			8.60					
	25		28.55	26.44		3.40	3.15		8.65	8.01			
18+25		28.90			3.70			8.70					
	25		29.25	27.08		3.70	3.43		9.75	9.03			
18+50		29.60			3.70			10.80					
	25		20.30	18.80		7.75	7.18		9.45	8.75			
18+75		11.00			11.80			8.10					
	25		5.90	5.46		12.30	11.39		5.75	5.32			
19+00		0.80			12.80			3.40					
	25		0.50	0.46		18.15	16.81		3.30	3.06			
19+25		0.20			23.50			3.20					
	25		0.25	0.23		25.70	23.80		3.15	2.92			
19+50		0.30			27.90			3.10					
	25		0.20	0.19		27.85	25.79		3.00	2.78			
19+75		0.10			27.80			2.90					
	25		1.35	1.25		19.55	18.10		3.00	2.78			
20+00		2.60			11.30			3.10					
	25		5.25	4.86		9.85	9.12		3.90	3.61			
20+25		7.90			8.40			4.70					
	25		9.95	9.21		8.65	8.01		6.05	5.60			
20+50		12.00			8.90			7.40					
	25		11.80	10.93		8.20	7.59		6.65	6.16			
20+75		11.60			7.50			5.90					
	25		6.15	5.69		12.25	11.34		4.05	3.75			
21+00		0.70			17.00			2.20					
	25		1.15	1.06		16.40	15.19		2.40	2.22			
21+25		1.60			15.80			2.60					
	25		2.20	2.04		15.40	14.26		2.80	2.59			
21+50		2.80			15.00			3.00					
	25		2.20	2.04		15.95	14.77		2.85	2.64			
21+75		1.60			16.90			2.70					
	25		0.85	0.79		20.10	18.61		2.50	2.31			
22+00		0.10			23.30			2.30					
	25		0.05	0.05		11.65	10.79		1.15	1.06			
22+25		0.00			0.00			0.00					
	25		0.00	0.00		0.00	0.00		0.00	0.00			
22+50		0.00			0.00			0.00					
	25		0.00	0.00		0.00	0.00		0.00	0.00			
22+75		0.00			0.00			0.00					
	25		0.00	0.00		0.00	0.00		0.00	0.00			
23+00		0.00			0.00			0.00					
	25		0.00	0.00		0.00	0.00		0.00	0.00			
23+25		0.00			0.00			0.00					
	25		0.00	0.00		0.00	0.00		0.00	0.00			
23+50		0.00			0.00			0.00					
	25		0.00	0.00		0.00	0.00		0.00	0.00			
23+75		0.00			0.00			0.00					
	25		0.00	0.00		0.00	0.00		0.00	0.00			
24+00		0.00			0.00			0.00					
	25		0.30	0.28		18.35	16.99		3.10	2.87			
24+25		0.60			36.70			6.20					
		TOTAL =			511.06	TOTAL =			601.81	TOTAL =			279.17

EARTHWORK TABLE : HARNISH MULTI-USE PATH

STA.	DIST. (FT)	CUT VOLUME			FILL VOLUME			TOPSOIL VOLUME		
		AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)	AREA (SF)	AVE. AREA (SF)	VOLUME (CY)
40+50		8.80			0.00			3.20		
	50		9.10	16.85		0.00	0.00		3.20	5.93
41+00		9.40			0.00			3.20		
	50		9.10	16.85		0.00	0.00		3.20	5.93
41+50		8.80			0.00			3.20		
	50		9.30	17.22		0.00	0.00		3.20	5.93
42+00		9.80			0.00			3.20		
	50		10.70	19.81		0.00	0.00		3.50	6.48
42+50		11.60			0.00			3.80		
	50		11.35	21.02		0.00	0.00		3.65	6.76
43+00		11.10			0.00			3.50		
	50		10.65	19.72		0.00	0.00		3.35	6.20
43+50		10.20			0.00			3.20		
	50		10.25	18.98		0.00	0.00		3.15	5.83
44+00		10.30			0.00			3.10		
	50		9.85	18.24		0.00	0.00		3.15	5.83
44+50		9.40			0.00			3.20		
	50		9.60	17.78		0.00	0.00		3.25	6.02
45+00		9.80			0.00			3.30		
	50		10.70	19.81		0.00	0.00		3.35	6.20
45+50		11.60			0.00			3.40		
	50		11.20	20.74		0.00	0.00		3.40	6.30
46+00		10.80			0.00			3.40		
	50		11.25	20.83		0.00	0.00		3.35	6.20
46+50		11.70			0.00			3.30		
	50		11.05	20.46		0.00	0.00		3.25	6.02
47+00		10.40			0.00			3.20		
	50		9.75	18.06		0.00	0.00		3.25	6.02
47+50		9.10			0.00			3.30		
	50		9.10	16.85		0.00	0.00		3.25	6.02
48+00		9.10			0.00			3.20		
		TOTAL =		283.24	TOTAL =		0.00	TOTAL =		91.67

LEGEND

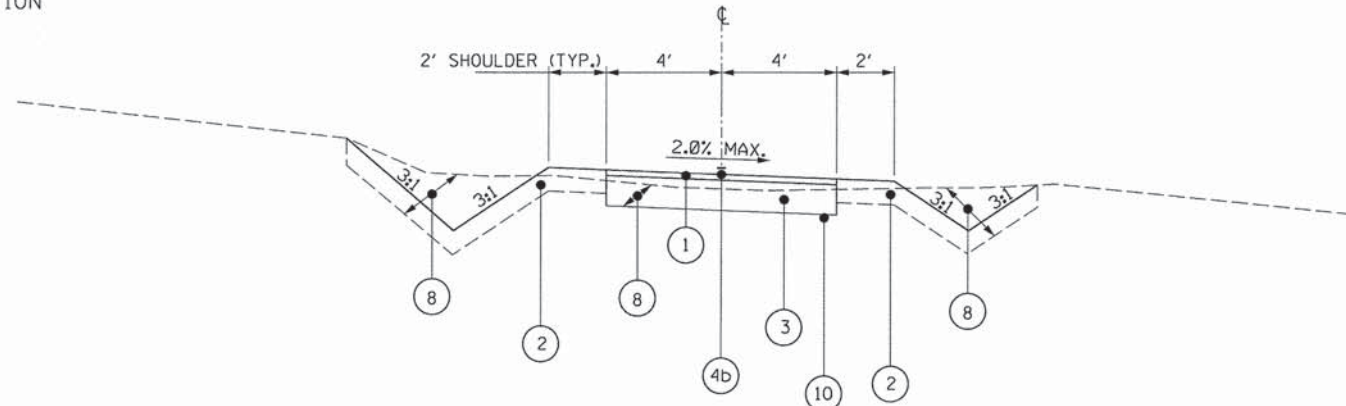
- ① HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50; 3" (PLACED IN TWO LIFTS)
- ② TOPSOIL FURNISH AND PLACE, 6" AND SEEDING, CLASS 1
- ③ AGGREGATE BASE COURSE, TYPE B, 8"
- ④a EPOXY PAVEMENT MARKING - LINE, 4" (YELLOW)
- ④b THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (YELLOW)
- ⑤ SIDEWALK REMOVAL
- ⑥ SIDEWALK, SPECIAL
- ⑦ AGGREGATE BASE COURSE, TYPE B, 2"
- ⑧ EARTH EXCAVATION
- ⑨ EMBANKMENT
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	MIXTURE TYPE	AIR VOIDS @ Ndes
MULTI-USE PATH	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 3" (SHALL BE PLACED IN TWO LIFTS)	4% @ 50 GYR.

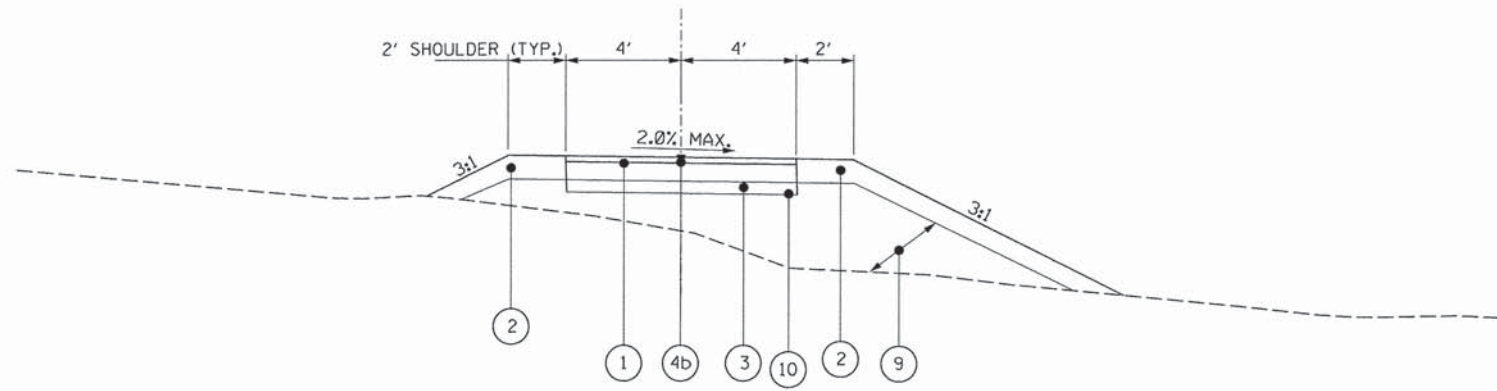
NOTE:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MATERIAL IS 112 LB/SQ YD PER INCH THICKNESS.
2. THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE PG 76-22 AND FOR NON-POLYMERIZED THE AC TYPE SHALL BE PG 64-22.
3. FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.



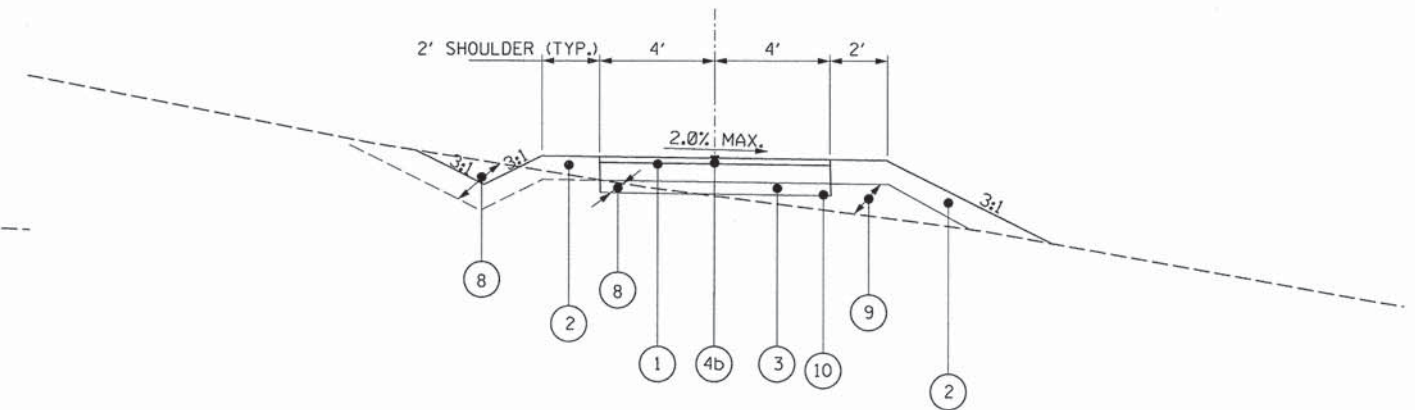
PROPOSED

NTS
STA. 10+00 to STA. 11+50



PROPOSED

NTS
STA. 11+50 to STA. 14+25
STA. 16+00 to STA. 17+25



PROPOSED

NTS
STA. 14+25 to STA. 16+00
STA. 17+25 to STA. 19+00

PROPOSED TYPICAL SECTION

STA. 19+00 to STA. 24+25
SEE SHEETS 23 & 24

FILE NAME *	USER NAME = edstode	DESIGNED - LMF	REVISED -
N:\ALGONDWIN\070273\070273.00061\Civil\p...	path_070273.01.SHT	DRAWN - EDT	REVISED -
	PLOT SCALE = NOT TO SCALE	CHECKED - JGS	REVISED -
	PLOT DATE = 5/15/2015	DATE - 04/17/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
TYPICAL SECTIONS**

SCALE: 20' SHEET NO. 6 OF 51 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	14-00087-00-BT	McHENRY	51	6
CONTRACT NO. 61B80				
ILLINOIS FED. AID PROJECT				

LEGEND

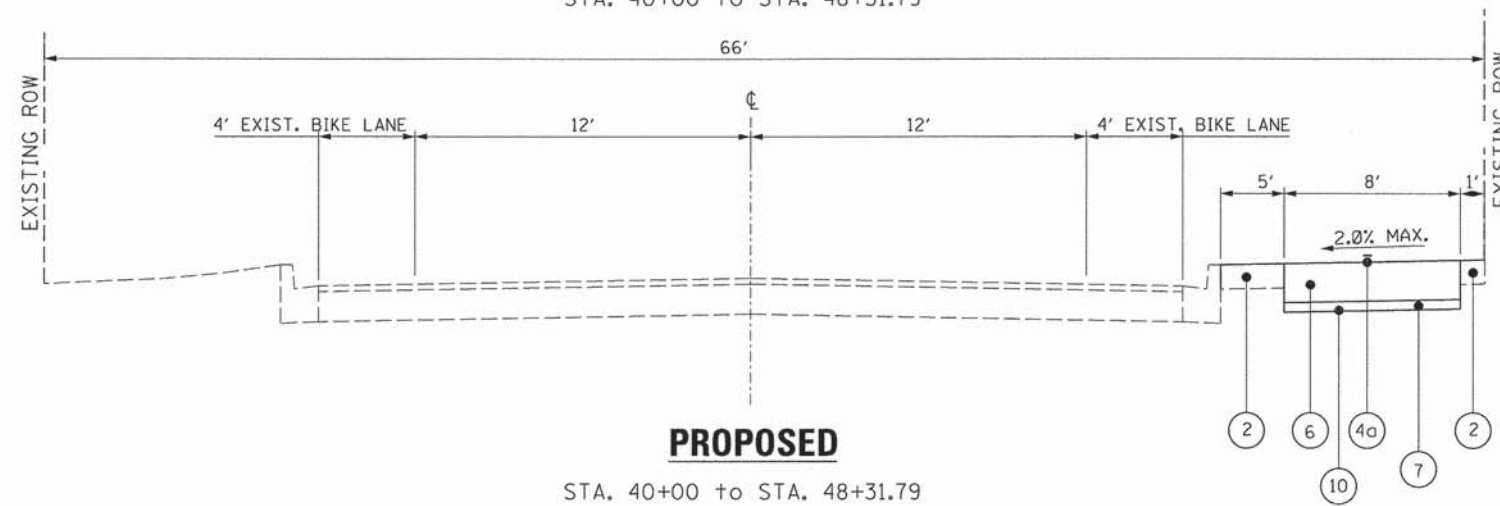
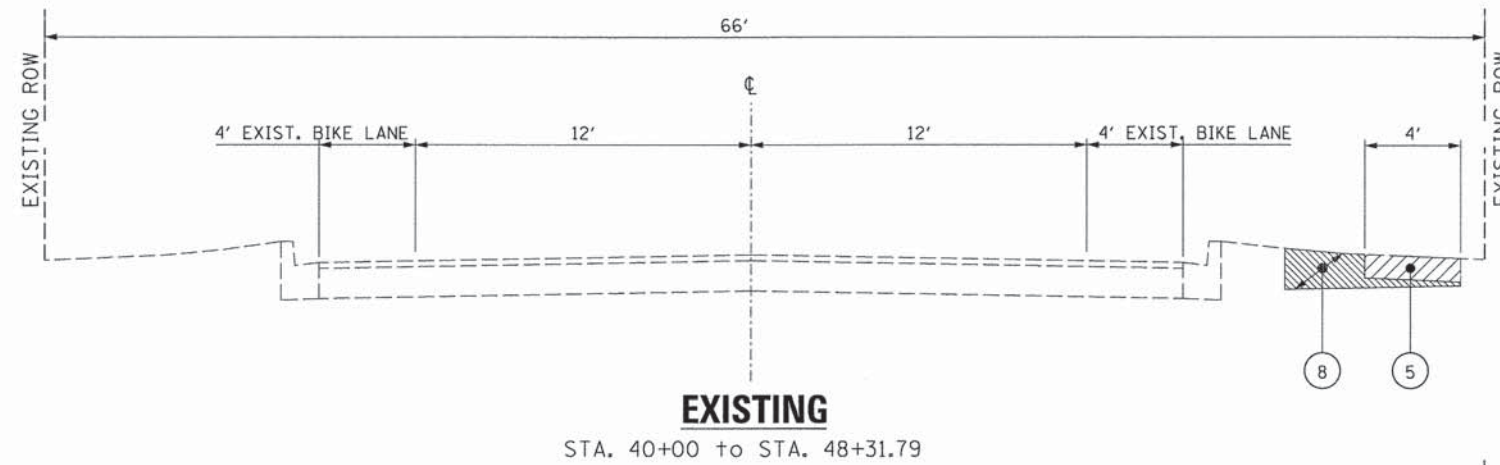
- ① HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50; 3" (PLACED IN TWO LIFTS)
- ② TOPSOIL FURNISH AND PLACE, 6" AND SEEDING, CLASS 1
- ③ AGGREGATE BASE COURSE, TYPE B, 8"
- ④a EPOXY PAVEMENT MARKING - LINE, 4" (YELLOW)
- ④b THERMOPLASTIC PAVEMENT MARKING - LINE, 4" (YELLOW)
- ⑤ SIDEWALK REMOVAL
- ⑥ SIDEWALK, SPECIAL
- ⑦ AGGREGATE BASE COURSE, TYPE B, 2"
- ⑧ EARTH EXCAVATION
- ⑨ EMBANKMENT
- ⑩ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE		AIR VOIDS @ Ndes
MULTI-USE PATH	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) - 3" (SHALL BE PLACED IN TWO LIFTS)	4% @ 50 GYR.

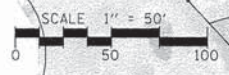
NOTE:

- 1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MATERIAL IS 112 LB/SQ YD PER INCH THICKNESS.
- 2. THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE PG 76-22 AND FOR NON-POLYMERIZED THE AC TYPE SHALL BE PG 64-22.
- 3. FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.



HARNISH DRIVE

FILE NAME =	USER NAME = edtoday	DESIGNED - LMF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTIONS HARNISH DRIVE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ALGONDWIN\070273\070273.00061\Civil\p_path_070273.01.SHT		DRAWN - EDT	REVISED -		SCALE: 20'	SHEET NO. 7 OF 51 SHEETS	STA.	TO STA.	14-00087-00-BT	MCHENRY	51	7
PLOT SCALE = NOT TO SCALE		CHECKED - JGS	REVISED -		CONTRACT NO. 61B80							
PLOT DATE = 5/15/2015		DATE - 04/17/2015	REVISED -		ILLINOIS FED. AID PROJECT							



PROP. CURVE P_HAR.ALTS-1	PROP. CURVE P_HAR.ALTS-2	PROP. CURVE P_HAR.ALTS-3	PROP. CURVE P_HAR.ALTS-4	PROP. CURVE P_HAR.ALTS-5	PROP. CURVE P_HAR.ALTS-6
PI STA. = 10+20.58	PI STA. = 11+25.27	PI STA. = 14+29.87	PI STA. = 15+31.05	PI STA. = 16+04.82	PI STA. = 16+63.05
$\Delta = 26^\circ 22' 41''$ (RT)	$\Delta = 118^\circ 40' 43''$ (LT)	$\Delta = 83^\circ 22' 14''$ (RT)	$\Delta = 37^\circ 29' 52''$ (RT)	$\Delta = 19^\circ 46' 30''$ (LT)	$\Delta = 37^\circ 42' 31''$ (LT)
D = 63' 39' 43"	D = 114' 35' 30"	D = 71' 37' 11"	D = 34' 43' 29"	D = 45' 50' 12"	D = 53' 03' 06"
R = 90.00'	R = 50.00'	R = 80.00'	R = 165.00'	R = 125.00'	R = 108.00'
T = 21.09'	T = 84.34'	T = 71.24'	T = 56.01'	T = 21.79'	T = 36.88'
L = 41.43'	L = 103.57'	L = 116.41'	L = 107.99'	L = 43.14'	L = 71.08'
E = 2.44'	E = 48.05'	E = 27.12'	E = 9.25'	E = 1.88'	E = 6.12'
P.C. STA. = 9+99.49	P.C. STA. = 10+40.93	P.C. STA. = 13+58.63	P.C. STA. = 14+75.04	P.C. STA. = 15+83.03	P.C. STA. = 16+26.17
P.T. STA. = 10+40.93	P.T. STA. = 11+44.49	P.T. STA. = 14+75.04	P.T. STA. = 15+83.03	P.T. STA. = 16+26.17	P.T. STA. = 16+97.25

ELEVATION BENCHMARKS		
DATUM: NAVD '88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM 13-50	SOUTHWESTERLY CORNER THE NORTHERLY CONC. CULVERT STRUCTURE OF NORTH BERM	807.30
OSBM 13-51	X MARK ON WESTERLY RIM OF SANITARY MH WEST OF LOW AREA SOUTH OF HARNISH DR.	824.98

HORIZONTAL CONTROL POINTS						
POINT NO.	NORTHING (Y)	EASTING (X)	ELEVATION	DESCRIPTION	STATION	OFFSET
HARPER DRIVE CP 3561	2,002,798.04	991,741.03	810.93	CP-PK OFFSITE		OFFSITE
CP 11	2,002,929.82	991,614.20	817.56	CP-REBAR	11+03.85	28.28' RT
CP 10	2,002,806.53	991,481.87	817.52	CP-REBAR	12+68.51	3.08' RT
CP 3475	2,002,734.46	991,407.09	817.68	CP-PK	13+72.36	0.27' LT
CP 3008	2,002,725.38	991,291.66	827.83	CP-REBAR	14+79.14	24.85' LT
CP 3304	2,002,767.22	991,254.80	828.57	CP-PK	15+27.52	26.65' LT
CP 3164	2,002,745.53	991,084.88	841.56	CP-PK	15+59.94	190.13' LT
CP 3005	2,002,823.58	991,200.58	833.79	CP-REBAR	15+99.12	55.56' LT
CP 3002	2,002,911.72	991,150.37	828.45	CP-REBAR	17+24.05	22.71' LT
CP 3001	2,002,975.65	991,077.23	832.36	CP-REBAR	18+16.46	32.62' LT
CP 6	2,003,050.50	990,981.10	829.33	CP-REBAR	19+72.60	58.37' LT
CP 5	2,003,109.43	990,872.88	828.86	CP-REBAR	20+75.63	38.83' LT
HARNISH DRIVE CP 3049	2,003,487.55	990,812.07	812.71	CP-XCUT	42+55.97	1.79' LT

PROP. CURVE P_HAR.ALTS-7	PROP. CURVE P_HAR.ALTS-8	PROP. CURVE P_HAR.ALTS-9	PROP. CURVE P_HAR.ALTS-10	PROP. CURVE P_HAR.ALTS-11	PROP. CURVE P_HAR.ALTS-12
PI STA. = 17+19.25	PI STA. = 18+64.78	PI STA. = 19+54.31	PI STA. = 20+45.84	PI STA. = 22+76.42	PI STA. = 23+84.55
$\Delta = 27^\circ 28' 46''$ (RT)	$\Delta = 12^\circ 04' 00''$ (RT)	$\Delta = 61^\circ 48' 09''$ (LT)	$\Delta = 52^\circ 29' 16''$ (RT)	$\Delta = 51^\circ 48' 56''$ (RT)	$\Delta = 42^\circ 12' 45''$ (LT)
D = 63' 39' 43"	D = 16' 51' 06"	D = 16' 51' 06"	D = 58' 27' 54"	D = 47' 44' 47"	D = 38' 11' 50"
R = 90.00'	R = 340.00'	R = 90.00'	R = 98.00'	R = 120.00'	R = 150.00'
T = 22.01'	T = 53.87'	T = 53.87'	T = 48.32'	T = 58.29'	T = 57.90'
L = 43.16'	L = 71.60'	L = 97.08'	L = 89.78'	L = 108.52'	L = 110.51'
E = 2.65'	E = 1.89'	E = 14.89'	E = 11.26'	E = 13.41'	E = 10.79'
P.C. STA. = 16+97.25	P.C. STA. = 18+28.84	P.C. STA. = 19+00.45	P.C. STA. = 19+97.53	P.C. STA. = 22+18.13	P.C. STA. = 23+26.65
P.T. STA. = 17+40.41	P.T. STA. = 19+00.45	P.T. STA. = 19+97.53	P.T. STA. = 20+87.30	P.T. STA. = 23+26.65	P.T. STA. = 24+37.16

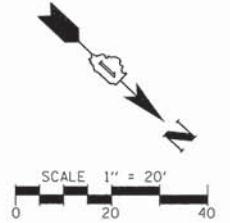
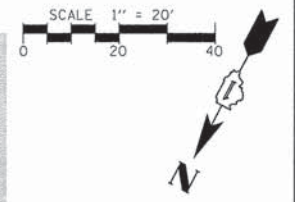
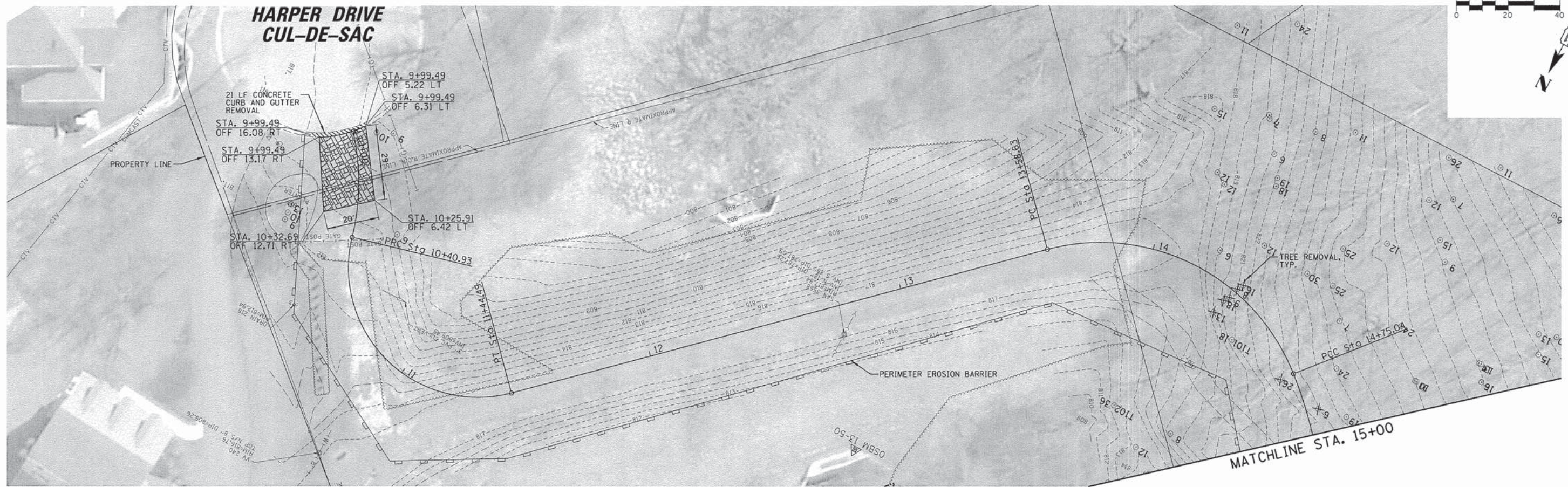
FILE NAME =	USER NAME = attda	DESIGNED = LMF	REVISED =
NO. 27380261.01.sht		DRAWN = EDT	REVISED =
		CHECKED = JGS	REVISED =
		DATE = 04/17/2015	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-USE PATH
ALIGNMENT AND BENCHMARKS

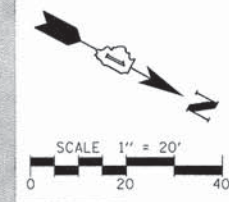
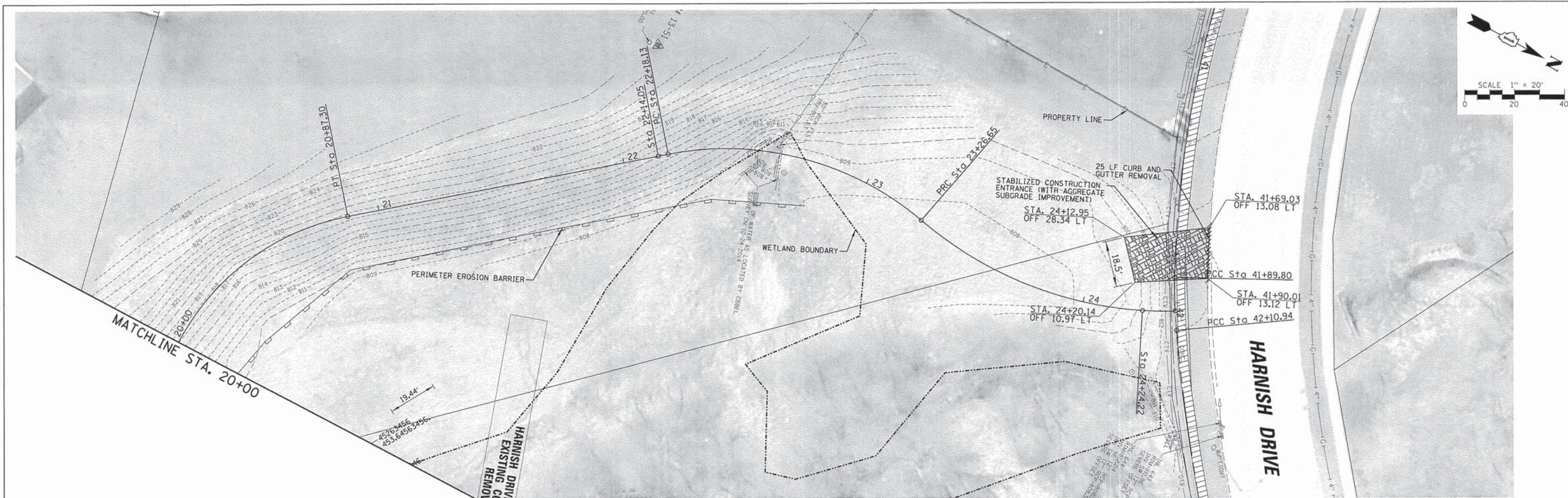
SCALE: 50' SHEET NO. 8 OF 51 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	14-00087-00-BT	MCHENRY	51	8
				CONTRACT NO. 61B80
ILLINOIS FED. AID PROJECT				



- LEGEND**
- CURB AND GUTTER REMOVAL
 - TREE REMOVAL, TYP.
 - SIDEWALK REMOVAL
 - STABILIZED CONSTRUCTION ENTRANCE
 - PERIMETER EROSION BARRIER
 - CONSTRUCTION FENCE
 - FLOODPLAIN BOUNDARY
 - WETLAND BOUNDARY

FILE NAME = N:\ALGONDWIN\070273\070273.00061\Civil\m_2730061_01.sht	USER NAME = edtda	DESIGNED - LMF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARPER DRIVE MULTI-USE PATH EXISTING CONDITIONS AND REMOVAL PLAN			F.A.U. RTE. ---	SECTION 14-00087-00-BT	COUNTY McHENRY	TOTAL SHEETS 51	SHEET NO. 9			
PLOT SCALE = 28"	CHECKED - JGS	REVISED -	SCALE: 28'					SHEET NO. 9 OF 51 SHEETS	STA.	TO STA.	CONTRACT NO. 61B80				
PLOT DATE = 5/15/2015	DATE - 04/17/2015	REVISED -	ILLINOIS FED. AID PROJECT												



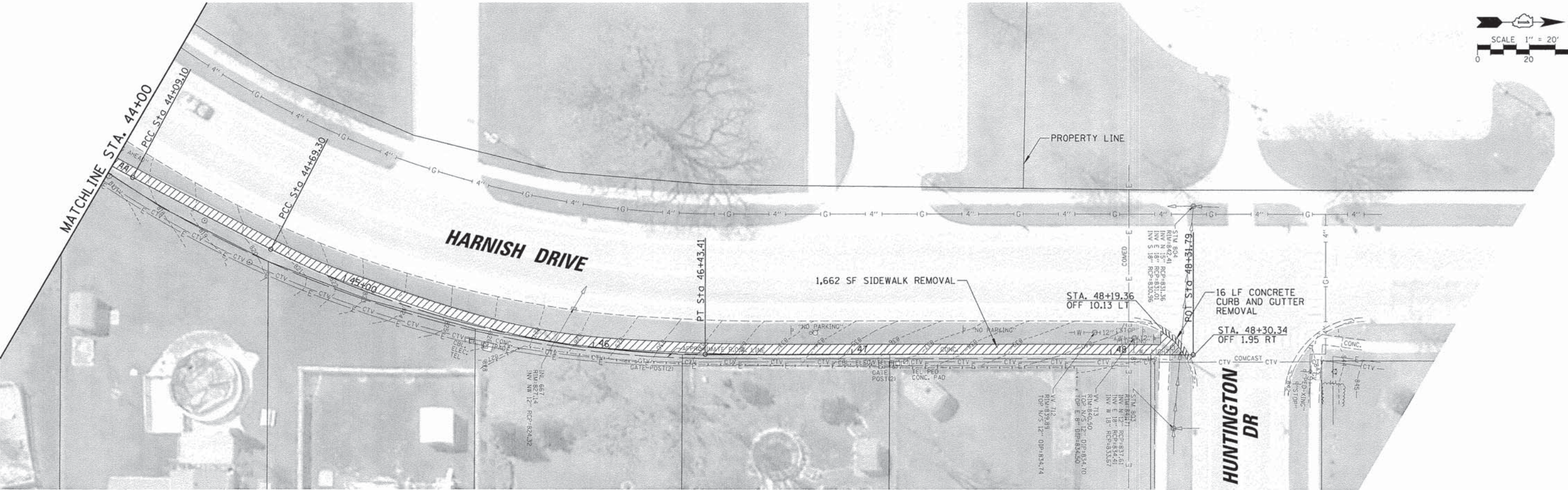
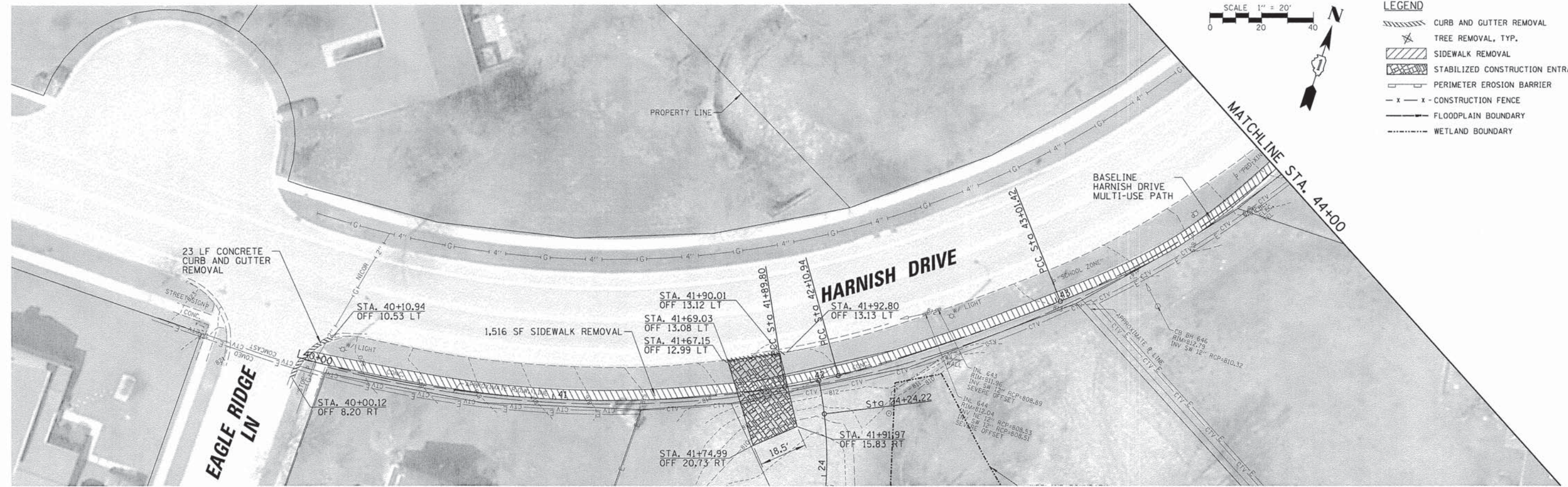
- LEGEND**
- CURB AND GUTTER REMOVAL
 - TREE REMOVAL, TYP.
 - SIDEWALK REMOVAL
 - STABILIZED CONSTRUCTION ENTRANCE
 - PERIMETER EROSION BARRIER
 - CONSTRUCTION FENCE
 - FLOODPLAIN BOUNDARY
 - WETLAND BOUNDARY

FILE NAME =	USER NAME = edtda	DESIGNED - LMF	REVISED -
N:\VALDUNGIN\878273\878273\0061\Civil\p..._27389061_02.sht		DRAWN - EDT	REVISED -
	PLOT SCALE = 20'	CHECKED - JGS	REVISED -
	PLOT DATE = 5/15/2015	DATE = 04/17/2015	REVISED -

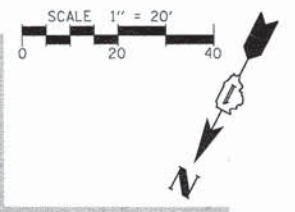
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HARPER DRIVE MULTI-USE PATH EXISTING CONDITIONS AND REMOVAL PLAN	
SCALE: 20'	SHEET NO. 10 OF 51 SHEETS
STA.	TO STA.

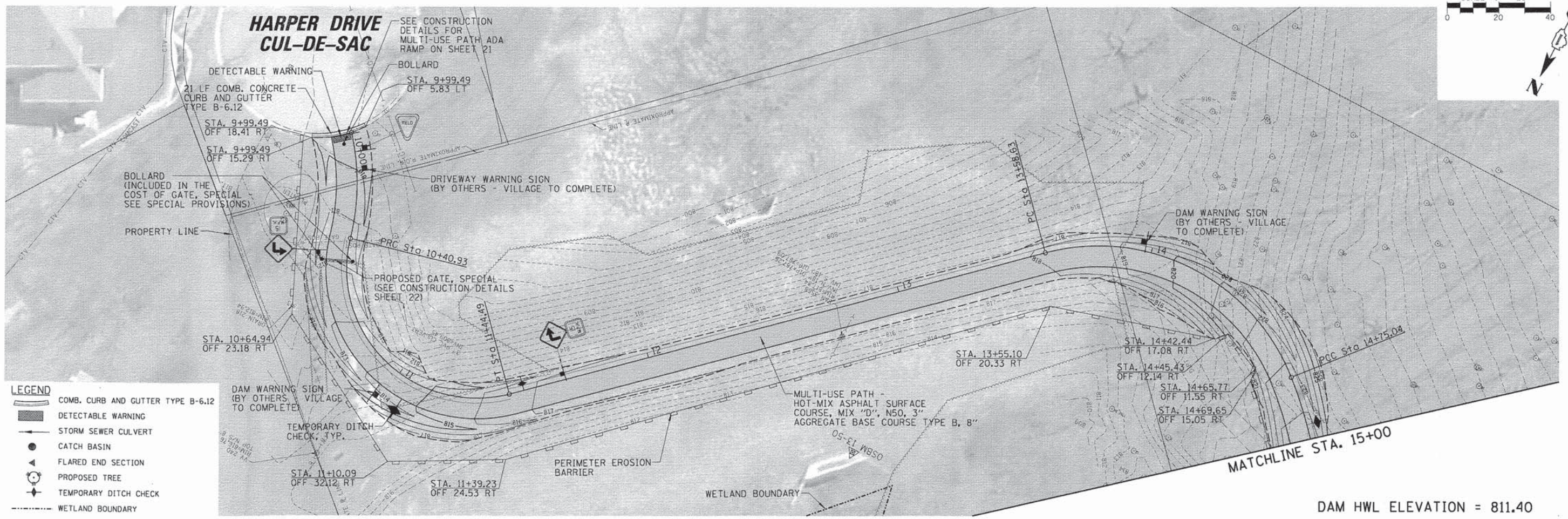
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	14-00087-00-BT	McHENRY	51	10
			CONTRACT NO. 61B80	
ILLINOIS FED. AID PROJECT				



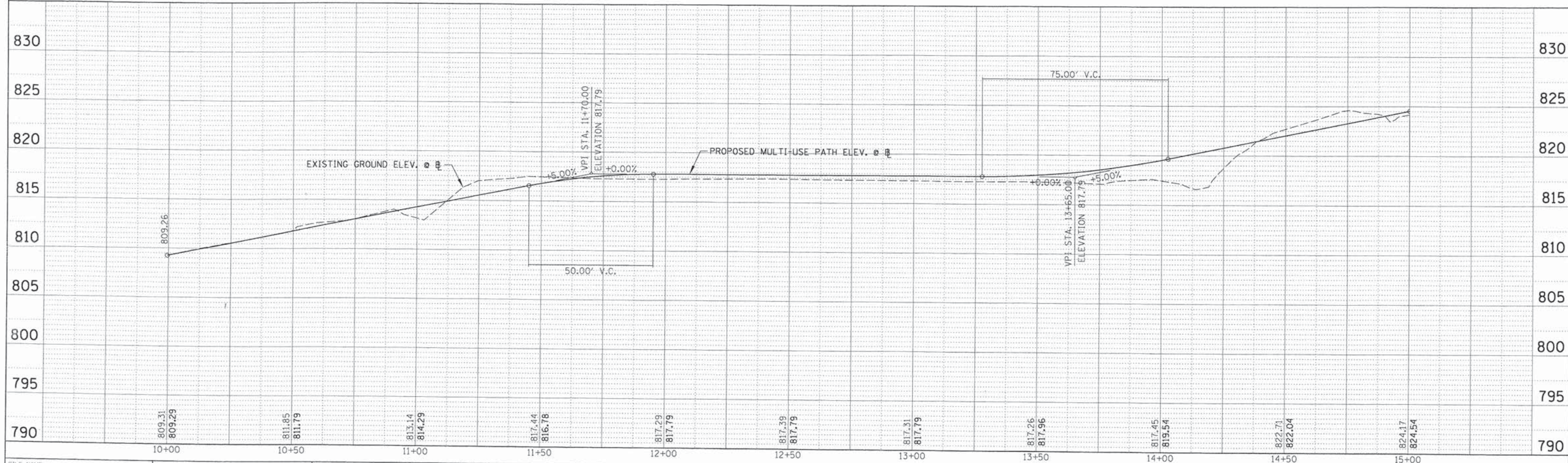
FILE NAME =	USER NAME = edtoda	DESIGNED - LMF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARNISH DRIVE MULTI-USE PATH EXISTING CONDITIONS AND REMOVAL PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ALGONDUN\070273\070273.00061\Civil\...2730061.03.sht	PLOT SCALE = 20'	DRAWN - EDT	REVISED -			14-00087-00-BT	MCHENRY	51	11	
PLOT DATE = 5/15/2015	DATE - 04/17/2015	CHECKED - JGS	REVISED -			CONTRACT NO. 61B80		ILLINOIS FED. AID PROJECT		
		REVISIED -	REVISED -			SCALE: 20'	SHEET NO. 11 OF 51 SHEETS	STA.	TO STA.	



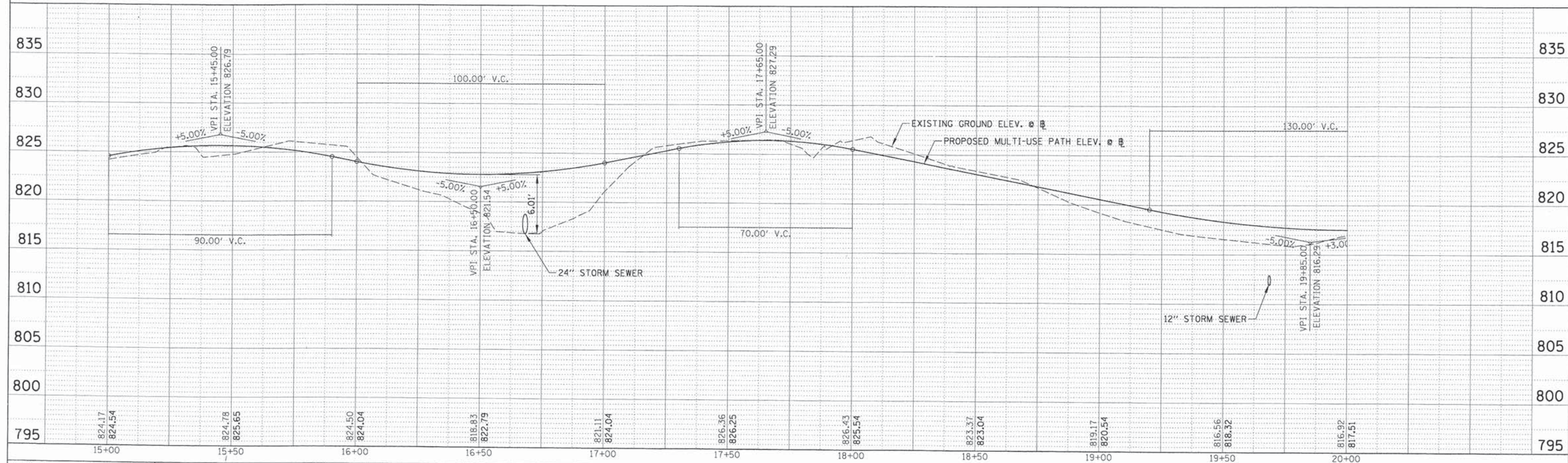
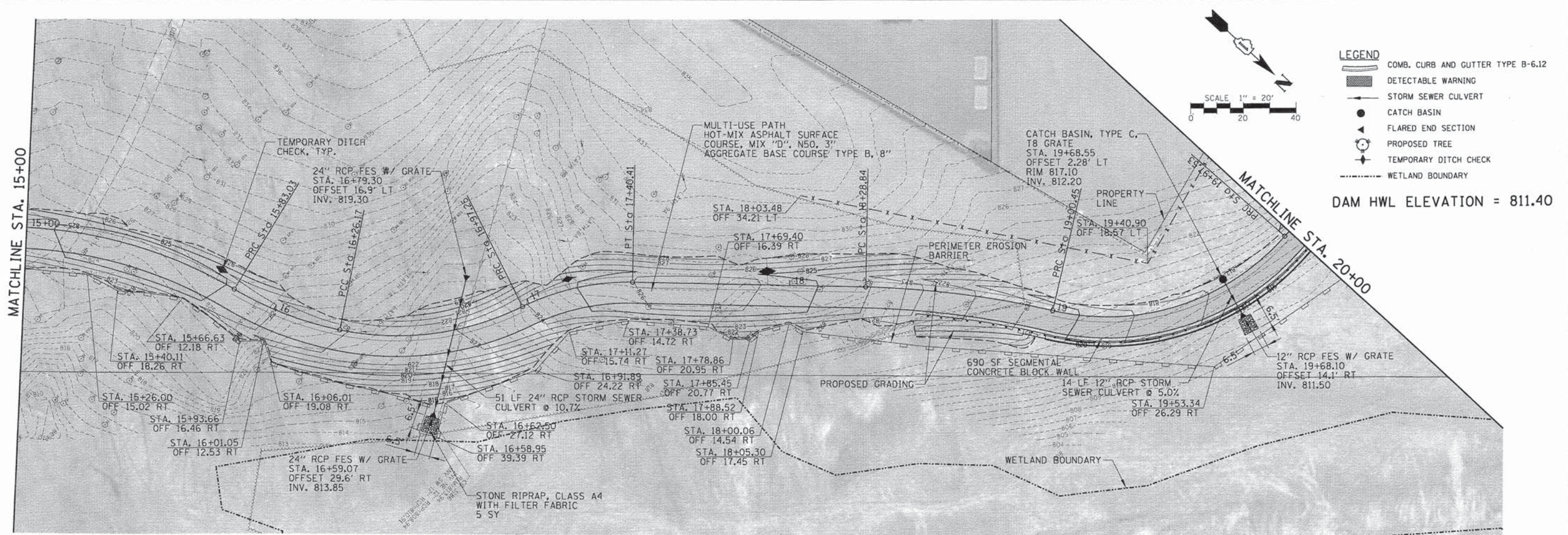
HARPER DRIVE CUL-DE-SAC



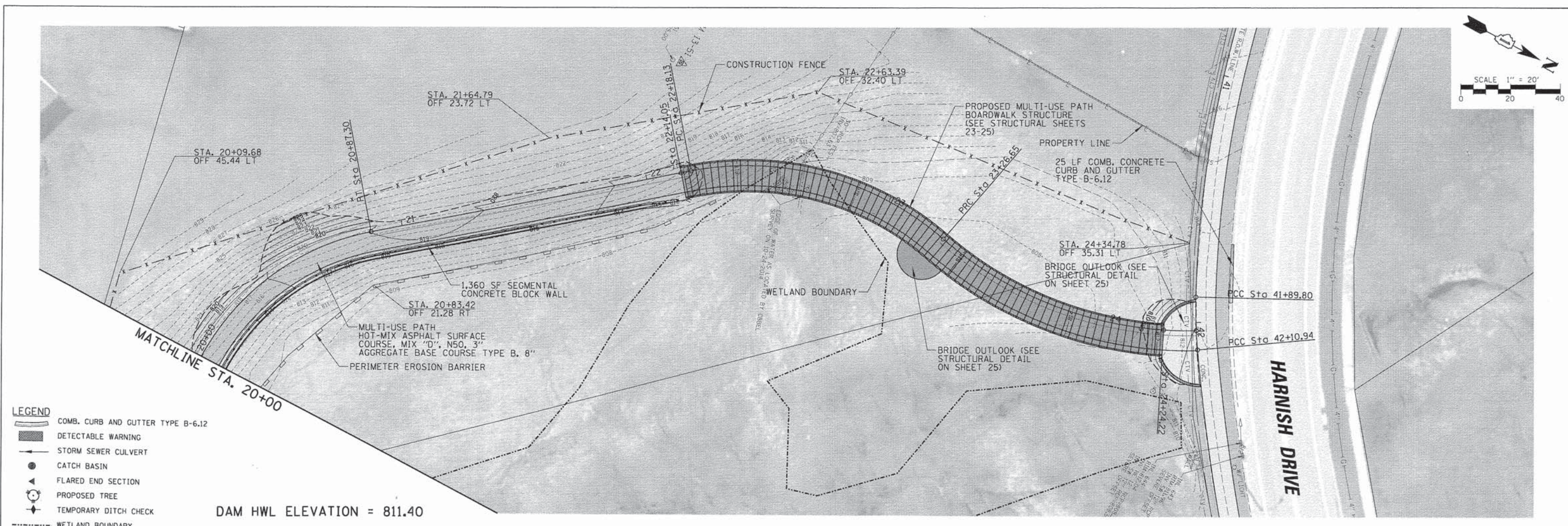
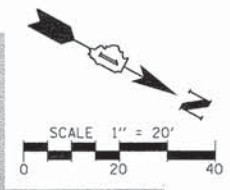
DAM HWL ELEVATION = 811.40



FILE NAME =	USER NAME = jlapaglia	DESIGNED - LMF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARPER DRIVE MULTI-USE PATH PLAN AND PROFILE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\VALGONGUINN\27307273\0806\civil\p...	2730061_01.sht	DRAWN - EDT	REVISED -		SCALE: 20'	SHEET NO. 12 OF 51 SHEETS	STA.	TO STA.	14-00087-00-BT	McHENRY	51	12
	PLOT SCALE = 20'	CHECKED - JGS	REVISED -									
	PLOT DATE = 6/1/2015	DATE - 04/17/2015	REVISED -									
								CONTRACT NO. 61B80		ILLINOIS FED. AID PROJECT		

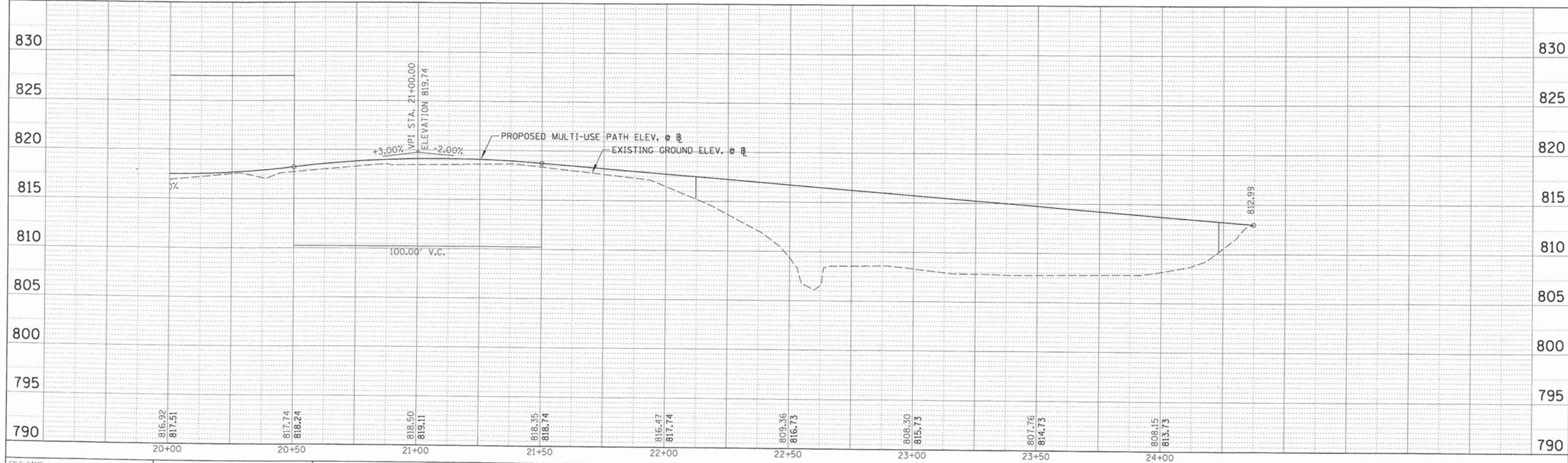


FILE NAME =	USER NAME = jlopaglia	DESIGNED = LMF	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARPER DRIVE MULTI-USE PATH PLAN AND PROFILE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\VAL\CONDUIT\872273\872273.00061\Civil\pdp_27300061_02.sht	DESIGNED = LMF	REVISED =	14-00087-00-BT			McHENRY	51	13		
PLOT SCALE = 20'	DRAWN = EDT	REVISED =	CONTRACT NO. 61B80							
PLOT DATE = 6/1/2015	CHECKED = JGS	REVISED =	ILLINOIS FED. AID PROJECT							
	DATE = 04/17/2015	REVISED =	SCALE: 20'	SHEET NO. 13 OF 51 SHEETS	STA. TO STA.					

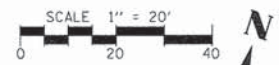


- LEGEND**
- COMB. CURB AND GUTTER TYPE B-6.12
 - DETECTABLE WARNING
 - STORM SEWER CULVERT
 - CATCH BASIN
 - FLARED END SECTION
 - PROPOSED TREE
 - TEMPORARY DITCH CHECK
 - WETLAND BOUNDARY

DAM HWL ELEVATION = 811.40

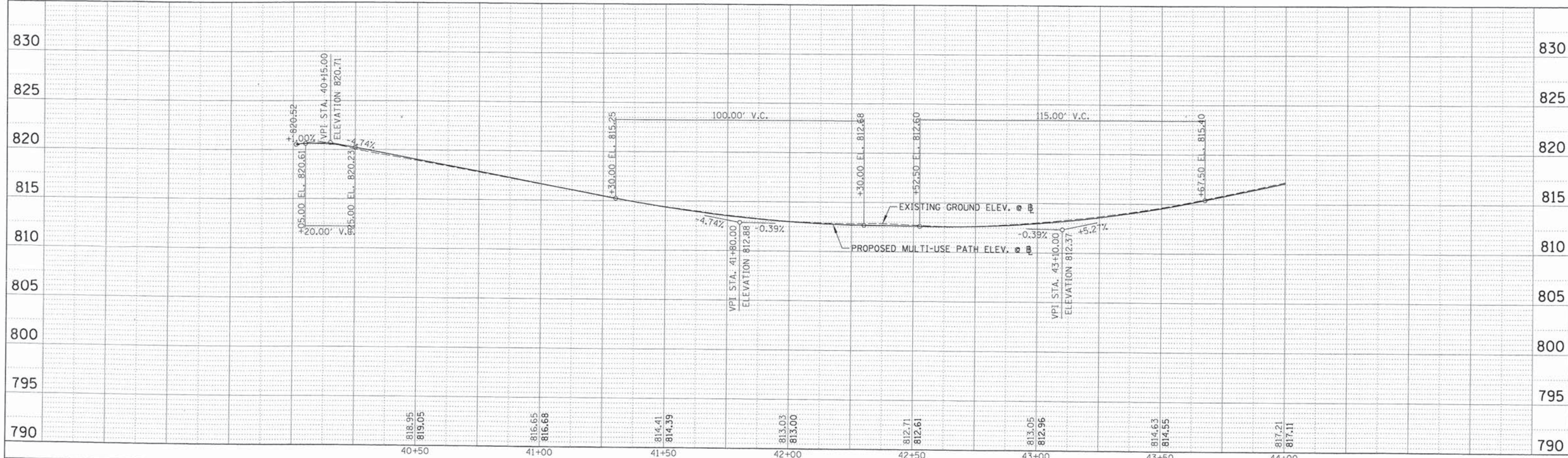
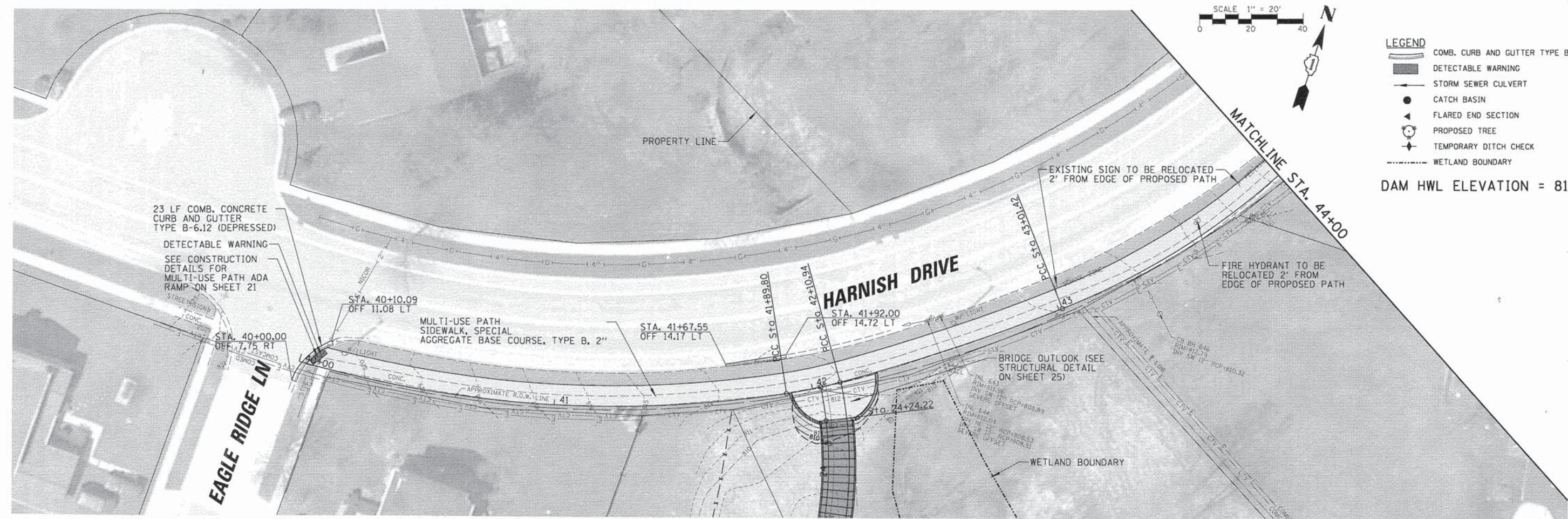


FILE NAME =	USER NAME = jiapaglia	DESIGNED = LMF	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARPER DRIVE MULTI-USE PATH PLAN AND PROFILE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\VAL\COND\IN\070273\070273.00061\Civil\ppp.27300061.03.plt		DRAWN = EDT	REVISED =		---	14-00087-00-BT	McHENRY	51	14		
PLOT SCALE = 20'		CHECKED = JGS	REVISED =		SCALE: 20'		SHEET NO. 14 OF 51 SHEETS		CONTRACT NO. 61B80		
PLOT DATE = 6/1/2015		DATE = 04/17/2015	REVISED =		STA. TO STA.		ILLINOIS FED. AID PROJECT				



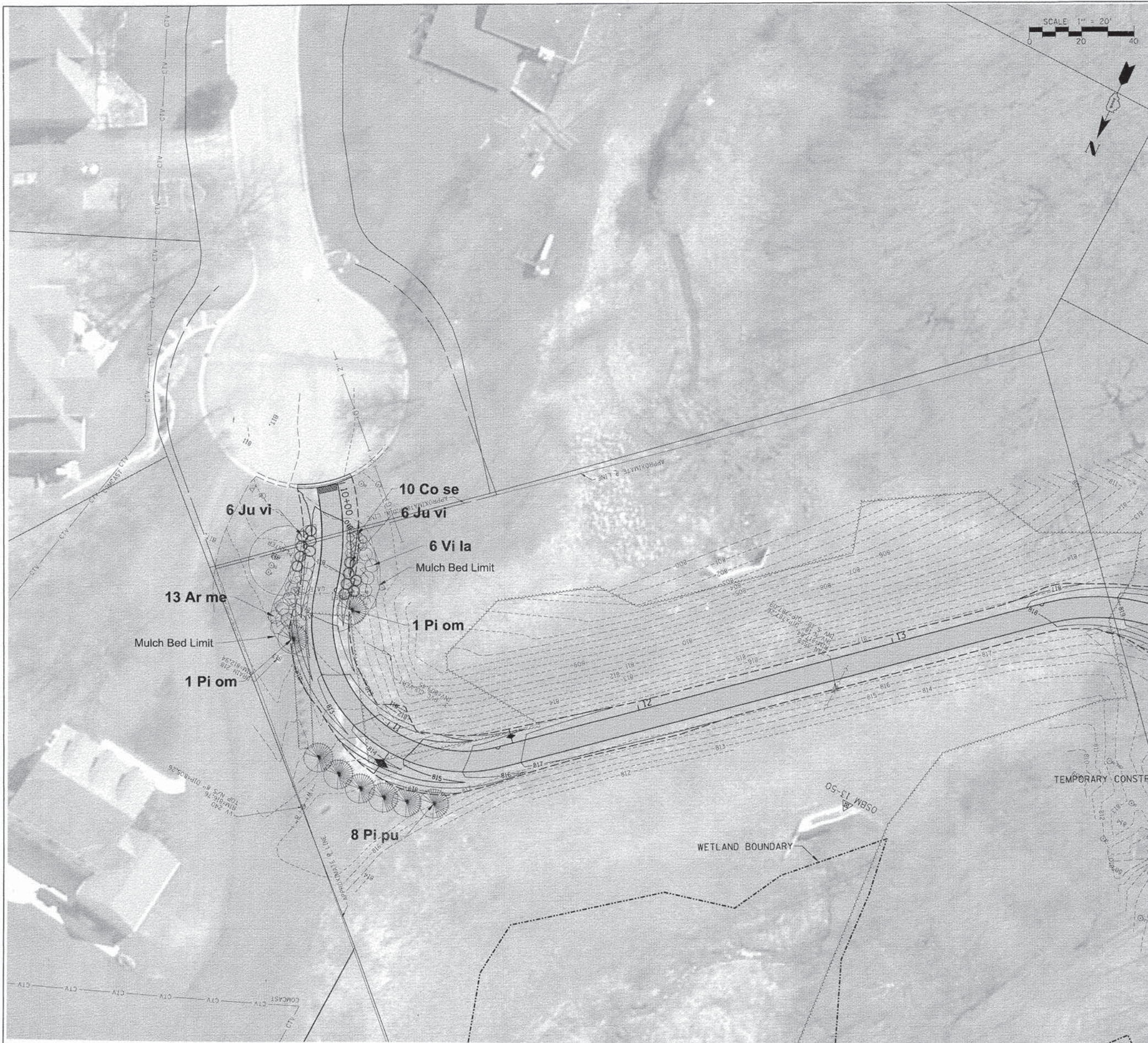
- LEGEND**
- COMB. CURB AND GUTTER TYPE B-6.12
 - DETECTABLE WARNING
 - STORM SEWER CULVERT
 - CATCH BASIN
 - FLARED END SECTION
 - PROPOSED TREE
 - TEMPORARY DITCH CHECK
 - WETLAND BOUNDARY

DAM HWL ELEVATION = 811.40



FILE NAME =	USER NAME = jlapaglia	DESIGNED - LMF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARNISH DRIVE MULTI-USE PATH PLAN AND PROFILE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - EDT	REVISED -			---	14-00087-00-BT	McHENRY	51	15	
		CHECKED - JGS	REVISED -			CONTRACT NO. 61B80					
		DATE - 04/17/2015	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 20' SHEET NO. 15 OF 51 SHEETS STA. TO STA.

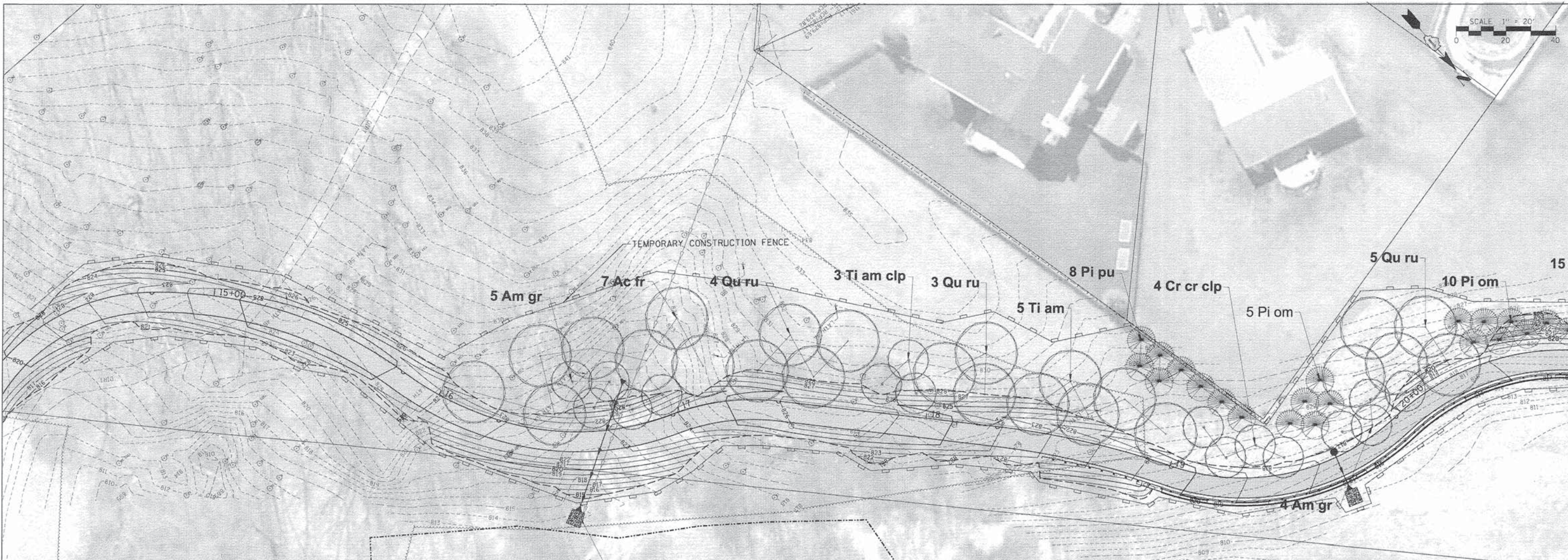


GENERAL CONSTRUCTION NOTES:

1. ALL ALTERATIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
2. CONTRACTORS MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.
3. ALL LANDSCAPE IMPROVEMENTS SHALL MEET MUNICIPALITY REQUIREMENTS AND GUIDELINES, WHICH SHALL BE VERIFIED BY MUNICIPAL AUTHORITIES.
4. ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.
5. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
6. ALL PLANTINGS SHALL BE SPACED EQUAL DISTANT, BACKFILLED WITH AMENDED SOIL IN A HOLE TWICE THE ROOTBALL DIAMETER, WATERED, FERTILIZED, PRUNED AND HAVE ALL TAGS AND ROPES REMOVED.
7. TREES SHALL BE STAKED AND GUYED AND WATERING SAUCER AT BASE.
8. ALL BEDS TO BE BERMED 12" TO 24" ABOVE GRADE AND MEET DRAINAGE REQUIREMENTS.
9. LAWN AND BED AREAS SHALL BE ROTOTILLED AND CLUMPS OF SOIL, AGGREGATES AND DEBRIS RAKED OUT AND REMOVED FROM THE SITE.
10. ALL DISTURBED AREAS SHALL HAVE A MIN. OF 6" OF TOPSOIL PLACED AND THEN SEED, FERT. AND BLANKET INSTALLED.
11. ALL BEDS SHALL BE EDGED, HAVE WEED PRE-EMERGENTS APPLIED AT THE RECOMMENDED RATE, AND SHREDDED HARDWOOD MULCH SPREAD AT A MINIMUM OF 3" DEPTH.
12. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
13. ALL EXISTING TREES OF HIGH QUALITY LOCATED OUTSIDE OF THE CONSTRUCTION ZONE SHALL BE SAVED.
14. CONTRACTOR TO DEEP SPADE EDGE AND MULCH ALL EXISTING LANDSCAPE BEDS WITHIN THE PROJECT LIMITS.

NOTES: ALL RESTORATION AND 2-FOOT WIDE GRASSED SHOULDER SHALL CONSIST OF 6" OF TOPSOIL, IDOT CLASS 1A SEEDING, AND NITROGEN AND POTASSIUM FERTILIZER.

FILE NAME = N:\ALGONDQUIN\07273\07273.00061\Civil\p.27300061.01.sht	USER NAME = jlapaglia	DESIGNED - LMF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARPER DRIVE MULTI-USE PATH LANDSCAPE PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLLOT SCALE = NOT TO SCALE	DATE = 04/17/2015	DRAWN - EDT	REVISED -			14-00087-00-BT	MCHENRY	51	17		
PLLOT DATE = 6/1/2015		CHECKED - JGS	REVISED -			CONTRACT NO. 61B80					
		DATE = 04/17/2015	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: 20'	SHEET NO. 17 OF 51 SHEETS		STA. 10+00 TO STA. 15+98			



PLANT LIST

Sym	Botanical Name	Common Name	Qty.	Size	Cond.
Deciduous Tree					
Ac fr	Acer x freemanii 'Autumn Blaze'	Autumn Blaze Maple	7	3"	B & B
Qu bi	Quercus bicolor	Swamp White Oak	4	3"	B & B
Qu ru	Quercus rubra	Red Oak	12	3"	B & B
Ta di	Taxodium distichum 'Shawnee Brave'	Shawnee Brave Bald Cypress	16	3"	B & B
Ti am	Tilia americana	Ameican Linden	7	3"	B & B
Ti am clp	Tilia americana	Ameican Linden	7	8' clump	B & B
Evergreen Tree					
Pi pu	Picea pungens	Colorado Spruce	16	8'	B & B
Pi om	Picea omorika	Serbian Spruce	24	8'	B & B
Ornamental Tree					
Am gr	Amelanchier grandiflora	Apple Serviceberry	9	7' clump	B & B
Bi ni clp	Betula nigra	River Birch	4	10' clump	B & B
Cr cr clp	Crataegus crusgalli inermis	Thornless Cockspur Hawthorn	4	7' clump	B & B
			110		
Deciduous Shrubs					
Ar me	Aronia melanocarpa 'Elata'	Elata Black Chokeberry	44	#5	Cont.
Co se	Cornus sericea 'Bailey'	Bailey Redtwig Dogwood	35	36"	B & B
Vi la	Viburnum lantana 'Mohican'	Mohican Viburnum	36	4'	B & B
Evergreen Shrubs					
Ju vi	Juniperus virginiana 'Blue Mountain'	Blue Mountain Juniper	15	#5	Cont.

NOTES: ALL RESTORATION AND 2-FOOT WIDE GRASSED SHOULDER SHALL CONSIST OF 6" OF TOPSOIL, IDOT CLASS 1A SEEDING, AND NITROGEN AND POTASSIUM FERTILIZER.

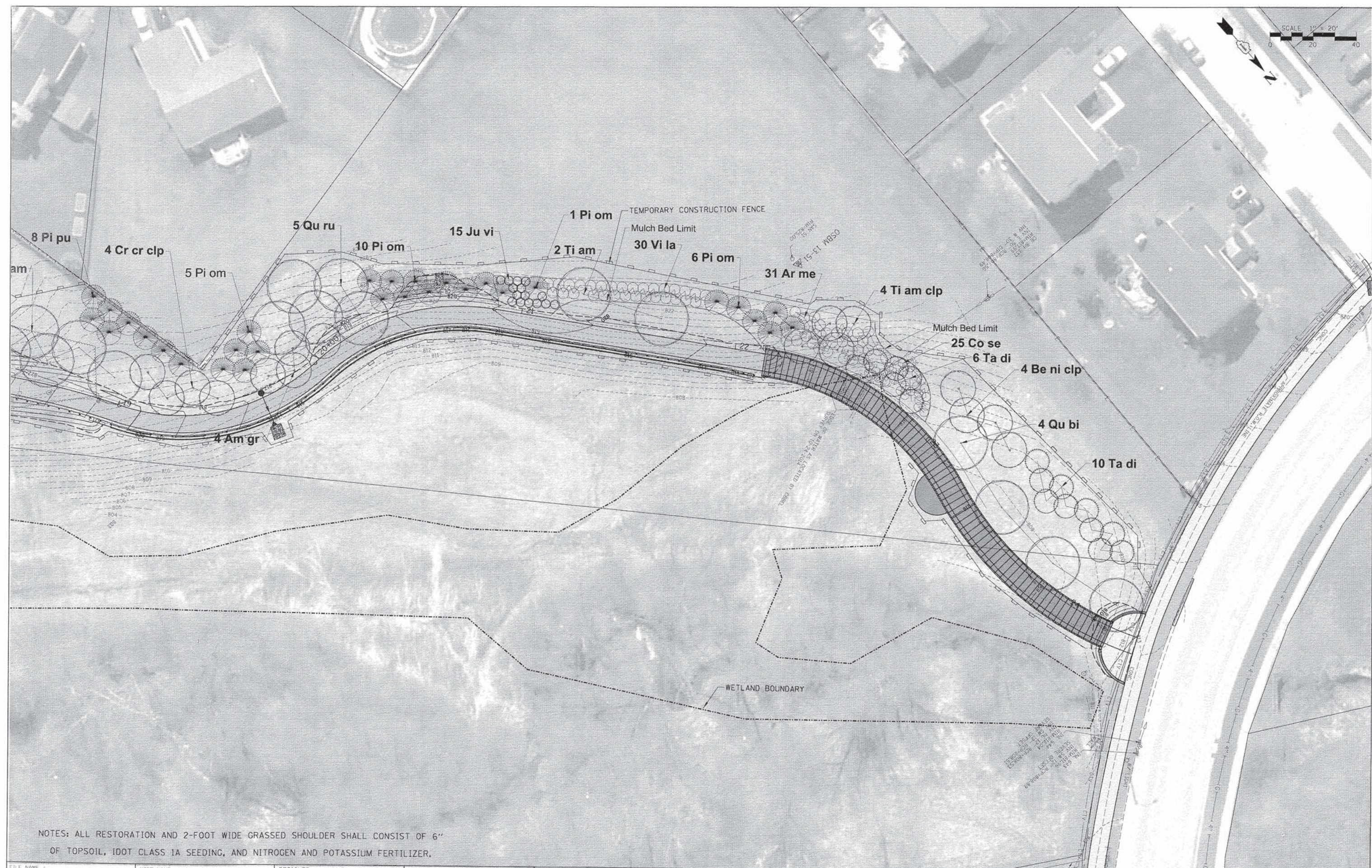
FILE NAME: \\s01\proj\14-00087\14-00087-00-BT\14-00087-00-BT.dwg	USER NAME: jlmaggio	DESIGNED: LMF	REVISED:
PROJECT SCALE: NOT TO SCALE	DATE: 04/17/2015	DRAWN: EDT	REVISED:
		CHECKED: JGS	REVISED:
			REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HARPER DRIVE MULTI-USE PATH
LANDSCAPE PLAN

SCALE: 1" = 20' SHEET NO. 18 OF 51 SHEETS STA. 14+07 TO STA. 20+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	14-00087-00-BT	McHENRY	51	18
			CONTRACT NO. 61B80	
(ILLINOIS) FED. AID PROJECT				



NOTES: ALL RESTORATION AND 2-FOOT WIDE GRASSED SHOULDER SHALL CONSIST OF 6" OF TOPSOIL, 100T CLASS 1A SEEDING, AND NITROGEN AND POTASSIUM FERTILIZER.

FILE NAME =	USER NAME = jlapaglia	DESIGNED - LMF	REVISED -
NeVALGONQUIN\878273\878273.00261\Civil\1\1\27300261.03.sht		DRAWN - EDT	REVISED -
		CHECKED - JGS	REVISED -
		DATE - 04/17/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HARPER DRIVE MULTI-USE PATH
LANDSCAPE PLAN**

SCALE: 20' SHEET NO. 19 OF 51 SHEETS STA. 18+50 TO STA. 24+37

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	14-00087-00-BT	MCHENRY	51	19
CONTRACT NO. 61B80			ILLINOIS FED. AID PROJECT	

VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-458-2754
FX: 847-458-2759
WWW.ALGONQUIN.ORG

4" OF APPROVED DECORATIVE HARDWOOD MULCH SHOULD BE BACK 6" FROM TRUNK

NOTES:
1. ALL PARKWAYS WITHIN THE DESIGNATED STREET AREA OR OTHER PUBLIC USE AREAS SHALL BE GRADED WITH SIX INCHES (6") OF TOPSOIL AND SEEDED OR SOOLED IN AN APPROVED MANNER.
2. PARKWAY TREES HAVING A TRUNK DIAMETER (MEASURED TWELVE INCHES ABOVE THE GROUND) OF NOT LESS THAN THREE (3") INCHES SHALL BE PLANTED BY THE DEVELOPER THROUGHOUT THE ENTIRE SUBDIVISION. SUCH TREES SHALL BE PLANTED IN THE PARKWAY, NOT LESS THAN FOUR (4") FEET FROM ALL CURBS, CURB LINES AND SIDEWALKS. PARKWAYS ARE MEASURED FROM THE BACK OF THE CURB TO THE CLOSEST EDGE OF THE SIDEWALK. TREES SMALLER THAN 4 FEET SHALL NOT BE SUITABLE FOR PARKWAY TREES UNLESS APPROVED BY THE PARKS & FORESTRY SUPT.
3. A LIST OF THE APPROVED TREE SPECIES IS AVAILABLE FROM THE PUBLIC WORKS DEPARTMENT, PARKS & FORESTRY SUPT. TREES FROM THIS LIST ARE THE ONLY SPECIES APPROVED FOR PLANTING WITHIN VILLAGE OWNED RIGHTS-OF-WAY AND ON OTHER VILLAGE OWNED PROPERTY, UNLESS APPROVED BY THE VILLAGE JUDGES.
4. ON ALL PLANTING PROJECTS THERE WILL BE NO MORE THAN TWENTY (20%) PERCENT OF ANY GENUS AND NO MORE THAN TEN (10%) PERCENT OF ANY SPECIES.
5. TREES SHALL BE BALLED AND BURLAPPED AND GROWN ACCORDING TO GOOD SILVICULTURAL PRACTICES AS SPECIFIED IN THE ARBORICULTURAL SPECIFICATIONS MANUAL. SYNTHETIC BURLAP AND ROPE PRODUCTS SHALL NOT BE USED.
6. ALL TREES DELIVERED WITH BASKETS SHALL HAVE THE BASKETS REMOVED FROM THE TOP 1/3 OF THE ROOT BALL PRIOR TO PLANTING.
7. ALL TREES SHALL BE PLANTED IN A PLUMER POSITION, WITH THE TRUNK PLUMB, REGARDING AS LOOKED ON SLIGHTLY AWAY. STAKING OF THE TRUNK SHALL ONLY BE PERFORMED IF NECESSARY. STAKES WILL REMAIN ON THE SPECIMENS FOR NO LONGER THAN ONE (1) YEAR.
8. NO SOIL AMENDMENTS SHALL BE ALLOWED.
9. 3" OF APPROVED DECORATIVE MULCH WILL BE INSTALLED AT THE TIME OF PLANTING OVER THE ENTIRE ROOT ZONE.
10. SEE TREE ORDNANCE CHAPTER 5 SECTION 13 FOR ALL DETAILS RELATIVE TO TREE INSTALLATION.

TREE PLANTING

Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-458-2754
FX: 847-458-2759
WWW.ALGONQUIN.ORG

PAVEMENT SUBGRADE LINE
12" DRY GRADE 9 STONE
TRENCH BACKFILL MATERIAL
EXCAVATION PAY LINE
TRENCH BACKFILL
CA-5 OR FA-6 IN 4" LIFTS MECHANICALLY COMPACTED
BEDDING MATERIAL
WATER, STORM = CA-6, 7, 8, 11, OR 13
SANITARY = FA-6
4" IN EARTH CUT
I.D./O.D. OF PIPE PLUS 20"/24"

GROUND SURFACE
MIN. 6" BLACK TOP SOIL
EARTH BACKFILL MECHANICALLY COMPACTED IN PLACE
EXCAVATION PAY LINE
FA-6 MIN 12" OVER SANITARY
BEDDING MATERIAL
WATER, STORM = CA-6, 7, 8, 11, OR 13
SANITARY = FA-6
4" IN EARTH CUT
I.D./O.D. OF PIPE PLUS 20"/24"

TRENCH SECTIONS

Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-458-2754
FX: 847-458-2759
WWW.ALGONQUIN.ORG

CURB
EXCAVATION ZONE
TREE FENCE
DRIP LINE
ROOT PRUNING ZONE
CURB & GUTTER
EXCAVATION ZONE AS SHOWN ON PLANS OR OUTSIDE EDGE OF EXCAVATION PAYLINE
PROTECTIVE FENCING TO BE INSTALLED AT DRIP LINE OF TREE AND EXTENDED PARALLEL TO THE OUTSIDE EDGE OF EXCAVATION PAYLINE
TREES DRIP LINE IS THE FURTHEST OUTSIDE EDGE OF THE OUTER MOST BRANCH
ROOT PRUNING ZONE
SEE TREE REMOVAL ORDINANCE FOR DETAILS IF TREE REMOVAL IS NECESSARY
24"
8" MIN - 12" MAX
VILLAGE RIGHT OF WAY LINE OR CASADIMIT

NOTE:
1. ADDITIONAL TREE PROTECTION MAY BE NECESSARY AT THE DIRECTION OF THE FORESTRY SUPERINTENDENT
2. ALL BASKING AND PRUNING TO BE UNDER THE SUPERVISION AND DIRECTION OF THE PARKS DEPARTMENT
3. ALL ROOT PRUNING TO OCCUR PRIOR TO THE INSTALLATION OF PROTECTIVE FENCING
4. THERE IS TO BE NO STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL INSIDE THE PROTECTIVE FENCING

TREE PROTECTION AND ROOT PRUNING

Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-458-2754
FX: 847-458-2759
WWW.ALGONQUIN.ORG

SEEDING AND MULCHING PER VILLAGE SPECIFICATIONS
6" Pulverized Topsoil
Disturbed Earth
Undisturbed Earth

VILLAGE OF ALGONQUIN TURF RESTORATION SPECIFICATIONS

The seed type for restoration shall be in conformance with the IDOT Class 1 (Lawn Mixture) Seeding specification. Seeding dates shall be from May 1st to June 15th and from September 1st to October 15th unless prior approval is received from the Village to seed outside of these time periods. Fertilizer nutrients shall be uniformly spread over the designated areas immediately prior to seed bed preparation. 270 pounds of fertilizer nutrients per acre shall be applied at a 1:1 ratio. Mulching shall occur within 24 hours after seeding operation have completed, except that on slopes steeper than 1:3 (v:h), when it shall be performed on the same day as seeding. Tackifier shall be used as conditions warrant. Seeded areas shall be watered a minimum of seven (7) times during the first thirty (30) days after initial seeding has taken place. Contractor shall guarantee the seeding for a period of one full growing season from the Date of Substantial Completion of total project for any loss due to faulty materials, workmanship, or procedures. Seeded areas must have a healthy, uniform, close stand of established grass, free of weeds, surface irregularities, and have no bare spots larger than 20% of any given one (1) SF area.

RESTORATION

Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-458-2754
FX: 847-458-2759
WWW.ALGONQUIN.ORG

Product selection for Algonquin (Temporary Inlet Protection)						
IDOT Standard	East Jordan Casting	Inlet Type	Gate Size	Flow Rating (CFS)	Flow Rating (CFS)	Part #
1	1050-Z1	Round (RD)	22.25 x 23.5	1.9	1.5	6MRDILT1
	7065	Round Curb (RC)	22.25 x 18.625	1.6	0.8	62MRDILT18
	7010	Curb Box (CB)	23 x 15	1.5	1.0	62MCBIL
8	2630, 2870, 6527	Round (RD)	See Notes/Notes Grates	2.3	1.6	62MRDILT8
	6908	Round (RD)	See Notes/Notes (BELL PIPE)	2.5	1.8	62LRDIL

INLET FILTER PROTECTION

Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

VILLAGE OF ALGONQUIN
PUBLIC WORKS DEPARTMENT
110 MEYER DRIVE
ALGONQUIN, IL 60102-2442
PH: 847-458-2754
FX: 847-458-2759
WWW.ALGONQUIN.ORG

36" MIN. FENCE POSTS DRIVEN 16" INTO GROUND
WOVEN WIRE FENCE (MIN. 14 1/2 GAUGE, MAX. 6" MESH SPACING)
HEIGHT OF FILTER 16" MIN.
8" MIN.
PERSPECTIVE VIEW

WOVEN WIRE FENCE (14 1/2 GAUGE MIN. MAX. 6" MESH SPACING) WITH FILTER CLOTH OVER
36" MIN. FENCE POST
UNDISTURBED GROUND
SECTION

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
- When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.
- Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.

POSTS: Steel either T or U shaped type or 2" hardwood
FENCE: Woven wire, 14 1/2 GA. 6" Max. mesh opening
FILTER CLOTH: Woven Geotextile Filter Fabric

SILTATION FENCE

Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

4" DEEP MULCH
UNDISTURBED SUBGRADE
CUT ANY SYNTHETIC CORDS AROUND ROOTBALL AND TRUNK
LIMIT PRUNING TO DEAD AND BROKEN BRANCHES AND SHOOTS.
SET ROOTBALL AT SAME GRADE OR SLIGHTLY ABOVE FINISHED GRADE.
PREPARE A 3" MIN. SAUCER AROUND PIT. DISCARD EXCESS EXCAVATED MATERIAL.
BACKFILL PIT WITH PLANTING PIT BACKFILL SOIL.
SET ROOTBALL ON DISTURBED SUBGRADE

SHRUB PLANTING DETAIL

NO SCALE

DO NOT CUT LEADER ON EVERGREEN OR PYRAMIDAL TREES.
SET ROOTBALL APPROXIMATELY 3" HIGHER THAN FINISH GRADE.
4" DEEP MULCH
PREPARE A 3" MIN. SAUCER AROUND PIT. DISCARD EXCESS EXCAVATED MATERIAL.
CUT ANY SYNTHETIC CORDS AROUND ROOTBALL
SUBGRADE
BACKFILL WITH TOP SOIL MIXTURE
SET ROOTBALL ON UNDISTURBED SUBGRADE

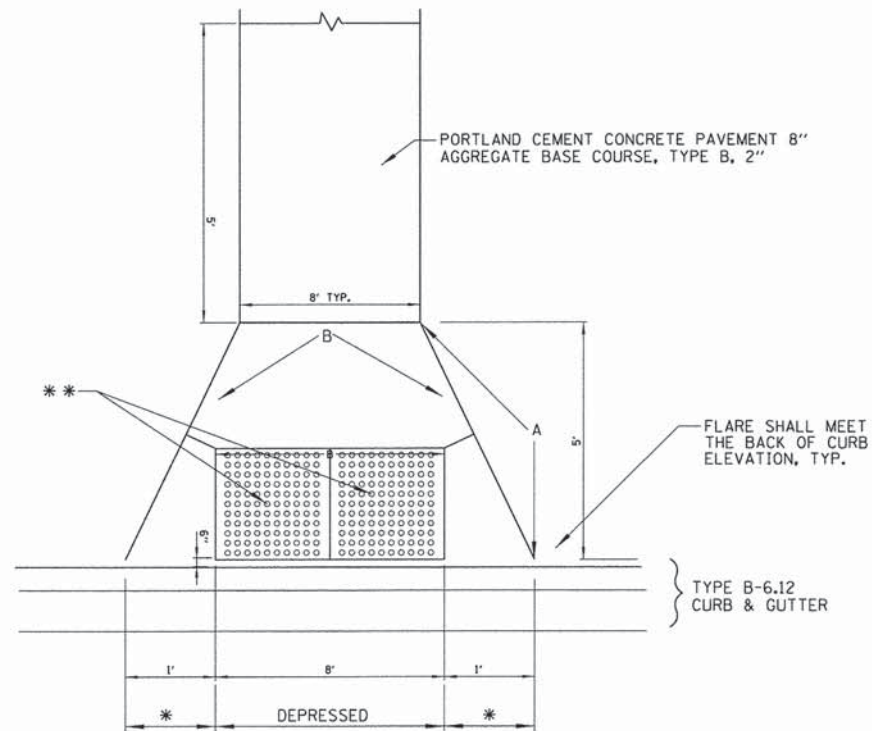
EVERGREEN TREE PLANTING DETAIL

NO SCALE

PRUNE 1/3 OF INNER CROWN, MAINTAINING NATURAL SHAPE.
WRAP TRUNK WITH APPROVED TREE WRAP TO FIRST BRANCH.
SET ROOTBALL APPROXIMATELY 3" HIGHER THAN FINISH GRADE.
4" DEEP MULCH
PREPARE A 3" MIN. SAUCER AROUND PIT. DISCARD EXCESS EXCAVATED MATERIAL.
CUT ANY SYNTHETIC CORDS AROUND ROOTBALL
SUBGRADE
BACKFILL PIT WITH PLANTING PIT BACKFILL
SET ROOTBALL ON UNDISTURBED SUBGRADE

TREE PLANTING DETAIL

NO SCALE



- * 1' TRANSITION FROM DEPRESSED CURB AND GUTTER TO FULL HEIGHT CURB AND GUTTER
- * EAST JORDAN IRON WORKS (EJIW) OR APPROVED EQUAL DETECTABLE WARNING PLATES PRODUCT # 00700542 DIPPED (SEE DETAIL), COLOR SELECTED BY VILLAGE
- A = 1/2" PREFORMED EXPANSION JOINT (TYP.)
- B = TOOLED OR SAWED CONTRACTION JOINT

ADA RAMP AT MULTI-USE PATH
NOT TO SCALE

<p>VILLAGE OF ALGONQUIN PUBLIC WORKS DEPARTMENT 110 MEYER DRIVE ALGONQUIN, IL 60102-2442 PH: 847-658-2754 FX: 847-658-2759 WWW.ALGONQUIN.ORG</p>	<p>LOCATION</p> <p>FRAME & GRATE EJIW 7050 (FRAME), EJIW 7050T1 (BACK), 7050-M3 (SINUSSOIDAL GRATE); USE 7050-M4 GRATE IF ROADWAY CENTERLINE SLOPE IS GREATER THAN 5%.</p>
	<p>DEPRESSED CURB INSTALLATION</p> <p>EJIW 1050-11 (FRAME AND FLAT HEAVY DUTY COVER WITH THE VILLAGE OF ALGONQUIN LOGO AND "STORM" CAST INTO IT) OR FRAMEX COPA7050H FRAME & LID</p>
	<p>PAVEMENT INSTALLATION - OPEN LID USE FOR PARKING AREAS ONLY</p> <p>FRAME INSTALLATION - OPEN LID, LOW FLOW EJIW 6527 DTDH GRATE</p>
	<p>YARD INSTALLATION - OPEN LID, HIGH FLOW</p> <p>EJIW 6508 BEEHIVE DITCH GRATE</p>

MAXIMUM ADJUSTMENT RING HEIGHT IS 8 INCHES.
TOP RING OF STRUCTURE ADJUSTMENT IN PAVEMENT AREA SHALL BE SURF-RISE BY GNR TECHNOLOGIES.
CHIMNEY SEALS SHALL BE USED ON ALL STRUCTURES EXCEPT FOR RILETS IN YARD AREAS WITH OPEN GRATE.
CHIMNEY SEAL SHALL BE WRAPD SEAL BY CANUSA-CPE OR ADAPTOR SEAL BY ADAPTOR, INC., 1/2 INCHES IN WIDTH (MIN) WITH CAPTURE OF ADJUSTMENT RINGS AND FRAME TO BE 4 INCHES EACH.

EXTERIOR CHIMNEY SEALS

MATERIALS:

WALLS
PRECAST REINFORCED CONCRETE RISER UNITS, MINIMUM THICKNESSES:
5" FOR 4'-0" INSIDE DIAMETER
8" FOR 5'-0" INSIDE DIAMETER

BOTTOM
PRECAST REINFORCED AND CAST INTEGRAL WITH FIRST VERTICAL SECTION.

RISER JOINTS AND FRAME AND COVER
ALL JOINTS BETWEEN PRE-CAST ELEMENTS, ADJUSTING RINGS AND MANHOLE FRAMES ON ALL UNDERGROUND STRUCTURES, SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANTS. BARREL SECTIONS SHALL BE SEALED USING A BUTYL RUBBER MATERIAL STRIP AND FOR RUBBER GASKET AND A NINE BACH (9") "MACWRAP" EXTERNAL SEAL BAND OR APPROVED EQUAL.

INSIDE DIAMETERS:
4'-0" FOR 18" MAIN SEWER AND SMALLER AND MANHOLES 20" DEEP OR LESS
5'-0" FOR 21" TO 42" MAIN SEWER AND MANHOLES 20" DEEP OR DEEPER

NOTE:
TUCK POINT WITH NON-SHRINK GROUT BOTH THE INTERNAL & EXTERNAL PIPE PENETRATIONS OF THE STORM SEWER MANHOLE

4" MINIMUM SAND CUSHION REQUIRED

PRECAST CONCRETE BOTTOM CAST INTEGRAL WITH VERTICAL SECTION

TO BE USED ONLY IF APPROVED BY PUBLIC WORKS DIRECTOR

CATCH BASIN - TYPE C
SPECIAL USE ONLY
CATCH BASIN TYPE C

Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12

<p>VILLAGE OF ALGONQUIN PUBLIC WORKS DEPARTMENT 110 MEYER DRIVE ALGONQUIN, IL 60102-2442 PH: 847-658-2754 FX: 847-658-2759 WWW.ALGONQUIN.ORG</p>	<p>LOCATION</p> <p>FRAME & GRATE EJIW 7050 (FRAME), EJIW 7050T1 (BACK), 7050-M3 (SINUSSOIDAL GRATE); USE 7050-M4 GRATE IF ROADWAY CENTERLINE SLOPE IS GREATER THAN 5%.</p>
	<p>DEPRESSED CURB INSTALLATION</p> <p>EJIW 1050-11 (FRAME AND FLAT HEAVY DUTY COVER WITH THE VILLAGE OF ALGONQUIN LOGO AND "STORM" CAST INTO IT) OR FRAMEX COPA7050H FRAME & LID</p>
	<p>PAVEMENT INSTALLATION - OPEN LID USE FOR PARKING AREAS ONLY</p> <p>FRAME INSTALLATION - OPEN LID, LOW FLOW EJIW 6527 DTDH GRATE</p>
	<p>YARD INSTALLATION - OPEN LID, HIGH FLOW</p> <p>EJIW 6508 BEEHIVE DITCH GRATE</p>

MAXIMUM ADJUSTMENT RING HEIGHT IS 8 INCHES.
TOP RING OF STRUCTURE ADJUSTMENT IN PAVEMENT AREA SHALL BE SURF-RISE BY GNR TECHNOLOGIES.
CHIMNEY SEALS SHALL BE USED ON ALL STRUCTURES EXCEPT FOR RILETS IN YARD AREAS WITH OPEN GRATE.
CHIMNEY SEAL SHALL BE WRAPD SEAL BY CANUSA-CPE OR ADAPTOR SEAL BY ADAPTOR, INC., 1/2 INCHES IN WIDTH (MIN) WITH CAPTURE OF ADJUSTMENT RINGS AND FRAME TO BE 4 INCHES EACH.

EXTERIOR CHIMNEY SEALS

MATERIALS:

WALLS
PRECAST REINFORCED CONCRETE RISER UNITS, MINIMUM THICKNESSES:
5" FOR 4'-0" INSIDE DIAMETER
8" FOR 5'-0" INSIDE DIAMETER

BOTTOM
PRECAST REINFORCED AND CAST INTEGRAL WITH FIRST VERTICAL SECTION.

RISER JOINTS AND FRAME AND COVER
ALL JOINTS BETWEEN PRE-CAST ELEMENTS, ADJUSTING RINGS AND MANHOLE FRAMES ON ALL UNDERGROUND STRUCTURES, SHALL BE SET IN PLACE WITH A BUTYL RUBBER JOINT SEALANTS. BARREL SECTIONS SHALL BE SEALED USING A BUTYL RUBBER MATERIAL STRIP AND FOR RUBBER GASKET AND A NINE BACH (9") "MACWRAP" EXTERNAL SEAL BAND OR APPROVED EQUAL.

INSIDE DIAMETERS:
4'-0" FOR 18" MAIN SEWER AND SMALLER AND MANHOLES 20" DEEP OR LESS
5'-0" FOR 21" TO 42" MAIN SEWER AND MANHOLES 20" DEEP OR DEEPER

NOTE:
TUCK POINT WITH NON-SHRINK GROUT BOTH THE INTERNAL & EXTERNAL PIPE PENETRATIONS OF THE STORM SEWER MANHOLE

4" MINIMUM SAND CUSHION REQUIRED

PRECAST CONCRETE BOTTOM CAST INTEGRAL WITH VERTICAL SECTION

TO BE USED ONLY IF APPROVED BY PUBLIC WORKS DIRECTOR

CATCH BASIN - TYPE C
SPECIAL USE ONLY
CATCH BASIN TYPE C

Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

RAMP IN LANDSCAPED AREA
SETBACK ≤ 5'

RAMP IN HARDSCAPE AREA
SETBACK ≤ 5'

GENERAL NOTES

1. If grading requires 5' from curb to 500 mm (20") from curb, the curb shall be installed at the 5' setback. If the curb is installed at the 5' setback, the curb shall be installed at the 5' setback.

2. If grading requires 5' from curb to 500 mm (20") from curb, the curb shall be installed at the 5' setback. If the curb is installed at the 5' setback, the curb shall be installed at the 5' setback.

3. If grading requires 5' from curb to 500 mm (20") from curb, the curb shall be installed at the 5' setback. If the curb is installed at the 5' setback, the curb shall be installed at the 5' setback.

PERP. CURB RAMPS FOR SIDEWALKS 1 of 2
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

RAMP IN LANDSCAPED AREA
SETBACK > 5'

RAMP IN PAVED AREA
SETBACK > 5'

GENERAL NOTES

1. If grading requires 5' from curb to 500 mm (20") from curb, the curb shall be installed at the 5' setback. If the curb is installed at the 5' setback, the curb shall be installed at the 5' setback.

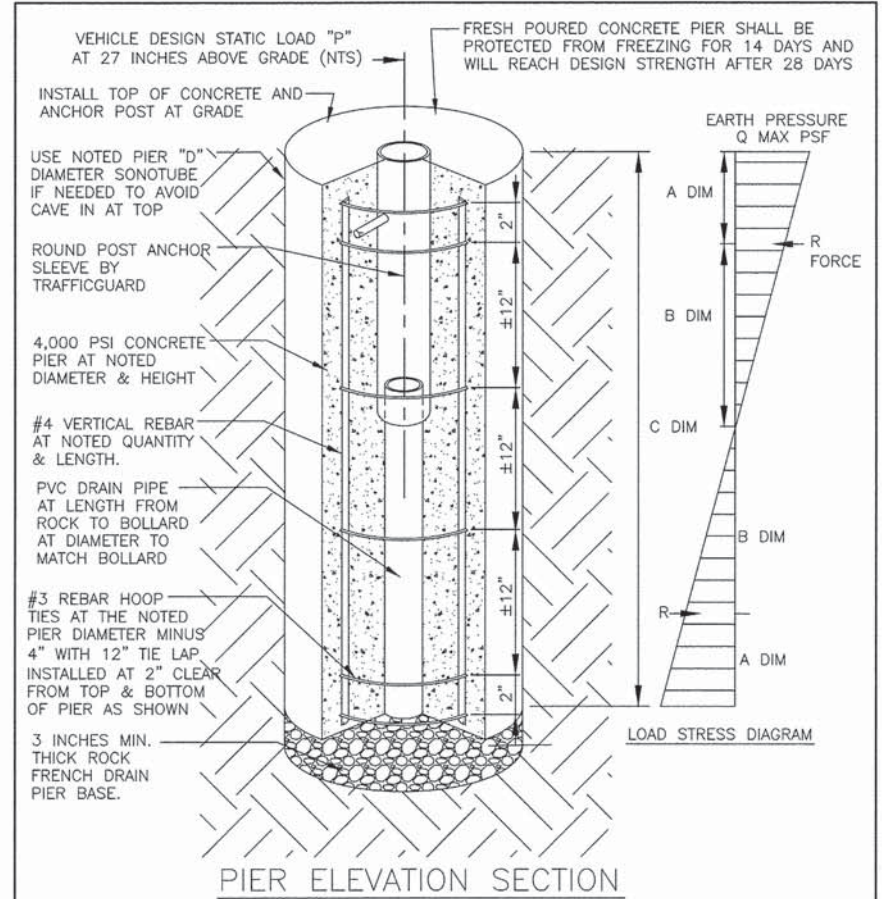
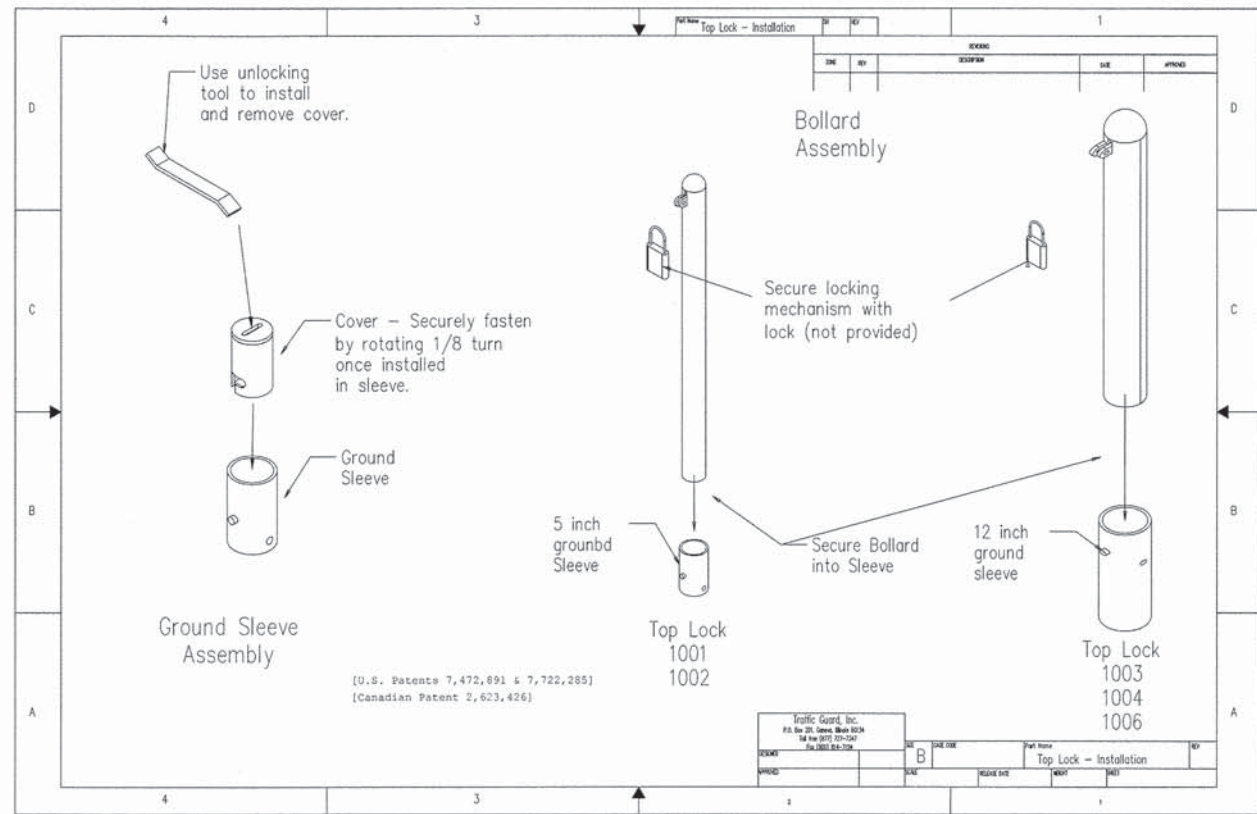
2. If grading requires 5' from curb to 500 mm (20") from curb, the curb shall be installed at the 5' setback. If the curb is installed at the 5' setback, the curb shall be installed at the 5' setback.

3. If grading requires 5' from curb to 500 mm (20") from curb, the curb shall be installed at the 5' setback. If the curb is installed at the 5' setback, the curb shall be installed at the 5' setback.

PERP. CURB RAMPS FOR SIDEWALKS 2 of 2
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015

P.C.C. CURB & GUTTER EXPANSION JOINT

CURB EXPANSION JOINT
Village of Algonquin Specifications & Details Guide
Drawn By: CBBEL Revision Date 5/15/2015
Approved By: Shawn M. Hurtig Effective Date 05/01/2015



NOTE REFER TO RPAS-2 FOR THE ANCHORAGE SYSTEM DIMENSIONS, DESIGN LOADS, REBAR SIZE, QUANTITIES, AND OTHER DESIGN DATA.
This Drawing shall not be used nor reproduced except when authorized in writing by TrafficGuard.

ROUND POST BOLLARD RPAS ANCHORAGE SYSTEM ASSEMBLY		THIRD ANGLE PROJECTION	Toll Free	TrafficGuard®	
Do not scale from drawing			P.O. Box 201, Geneva, IL, 60134		
			Bus: 1.877.727.7347 Fax: 1.800.814.7194		
3	-	-	Action	by	
2	-	-	Design	wkz	Dwg. Scale: nts Assembly Shipping Weight Drawing Number:
1	-	-	Drawn	wkz	Copywrite: 2010 Varies per Model RPAS-1
Rev.	Date	by	Description	Checked	wkz Dwg. Size: Letter Drawing Date: 12.10.10 Sheet: 1 of 2

DESIGN AND CONSTRUCTION DATA SCHEDULE RPAS

1. THE DESIGN LOAD IS A STATIC LOAD "P" LOCATED AT 27 INCHES ABOVE GRADE THAT SHOULD CAUSE FAILURE OF THE BOLLARD.
2. THE EARTH PRESSURE VALUE IS SHOWN AT DESIGN LOAD AND THE OWNER SHOULD VERIFY THAT THE EARTH IS ADEQUATE TO WITHSTAND THE NOTED EARTH DESIGN PRESSURE.
3. ANCHORAGE SYSTEMS BY OTHERS THAN TRAFFICGUARD MAY CAUSE PREMATURE FAILURE OF THE BOLLARD BY ROTATION OF ANCHORAGE AT DESIGN LOAD.

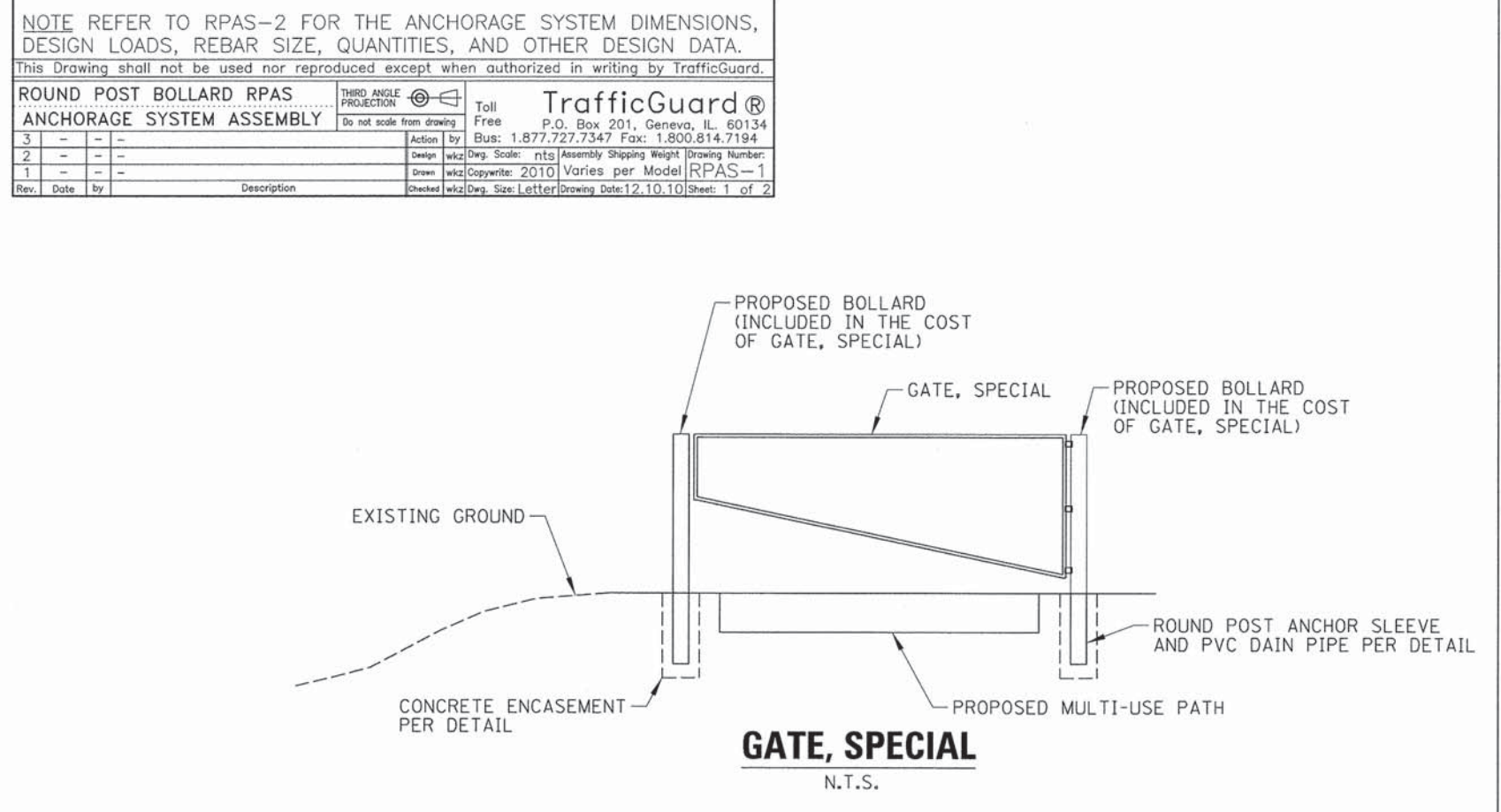
DESIGN FORMULA: EARTH PRESSURE MAXIMUM $Q_{max} = 3888 P / DB(A+B)$

NOTE: CONCRETE, FORM, ROCK, PVC DRAIN AND REBAR PROVIDED BY OTHERS

DESIGN LOAD P	BOLLARD			EARTH "Q" MAX.	PIER HT. "C" MIN.	VERT. REBAR LENGTH	HOOP TIES	PIER CONCRETE	FRENCH DRAIN	PIER "D"	LOAD DIM "A" "B"
#	Out Dia.	Ins Dia.	Fb PSI	"Q" MAX.	"C" MIN.	LENGTH	QTY	CONCRETE	DRAIN	"D"	"A" "B"
600	1.910"	1.620"	49090	992 PSF	42 INCH	38 INCH	3 6 EA.	6 Cu Ft	1.2 CF	8" 7"	14"
1200	2.440"	2.064"	46552	1984 PSF	42 INCH	38 INCH	3 6 EA.	6 Cu Ft	1.2 CF	8" 7"	14"
3000	3.500"	3.068"	47093	2204 PSF	42 INCH	38 INCH	4 6 EA.	6 Cu Ft	0.5 CF	18" 7"	14"
6000	4.500"	4.026"	50467	4408 PSF	42 INCH	38 INCH	4 6 EA.	6 Cu Ft	0.5 CF	18" 7"	14"
6000	4.500"	4.026"	50467	2667 PSF	54 INCH	50 INCH	4 7 EA.	8 Cu Ft	0.5 CF	18" 9"	18"
10000	5.563"	5.047"	49541	4444 PSF	54 INCH	50 INCH	4 7 EA.	8 Cu Ft	0.5 CF	18" 9"	18"
10000	5.563"	5.047"	49541	3600 PSF	60 INCH	56 INCH	4 8 EA.	9 Cu Ft	0.5 CF	18" 10"	20"
10000	5.563"	5.047"	49541	2975 PSF	66 INCH	62 INCH	4 8 EA.	10 Cu Ft	0.5 CF	18" 11"	22"
15000	6.625"	6.065"	47647	3750 PSF	72 INCH	68 INCH	4 9 EA.	11 Cu Ft	0.5 CF	18" 12"	24"
15000	6.625"	6.065"	47647	3195 PSF	78 INCH	72 INCH	4 9 EA.	12 Cu Ft	0.5 CF	18" 13"	26"
15000	6.625"	6.065"	47647	3240 PSF	60 INCH	56 INCH	8 8 EA.	25 Cu Ft	1.6 CF	30" 10"	20"
15000	6.625"	6.065"	47647	3333 PSF	54 INCH	50 INCH	8 7 EA.	32 Cu Ft	1.8 CF	36" 9"	18"

This Drawing shall not be used nor reproduced except when authorized in writing by TrafficGuard.

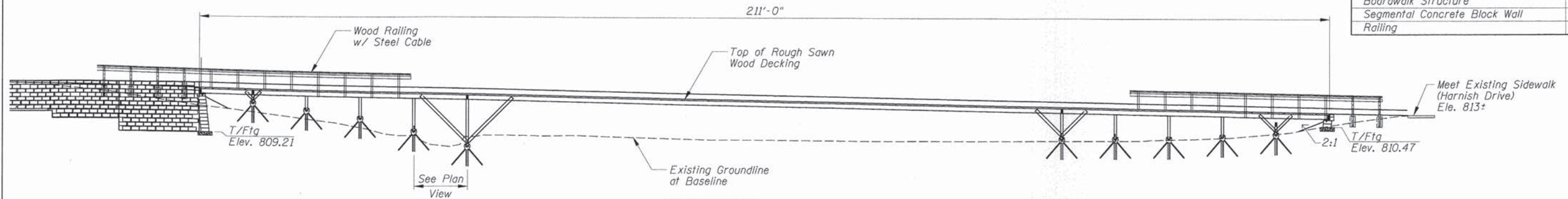
ROUND POST BOLLARD RPAS ANCHORAGE SYSTEM DETAILS		THIRD ANGLE PROJECTION	Toll Free	TrafficGuard®	
Do not scale from drawing			P.O. Box 201, Geneva, IL, 60134		
			Bus: 1.877.727.7347 Fax: 1.800.814.7194		
3	-	-	Action	by	
2	-	-	Design	wkz	Dwg. Scale: nts Assembly Shipping Weight Drawing Number:
1	-	-	Drawn	wkz	Copywrite: 2010 Varies per Model RPAS-2
Rev.	Date	by	Description	Checked	wkz Dwg. Size: Letter Drawing Date: 12.10.10 Sheet: 2 of 2



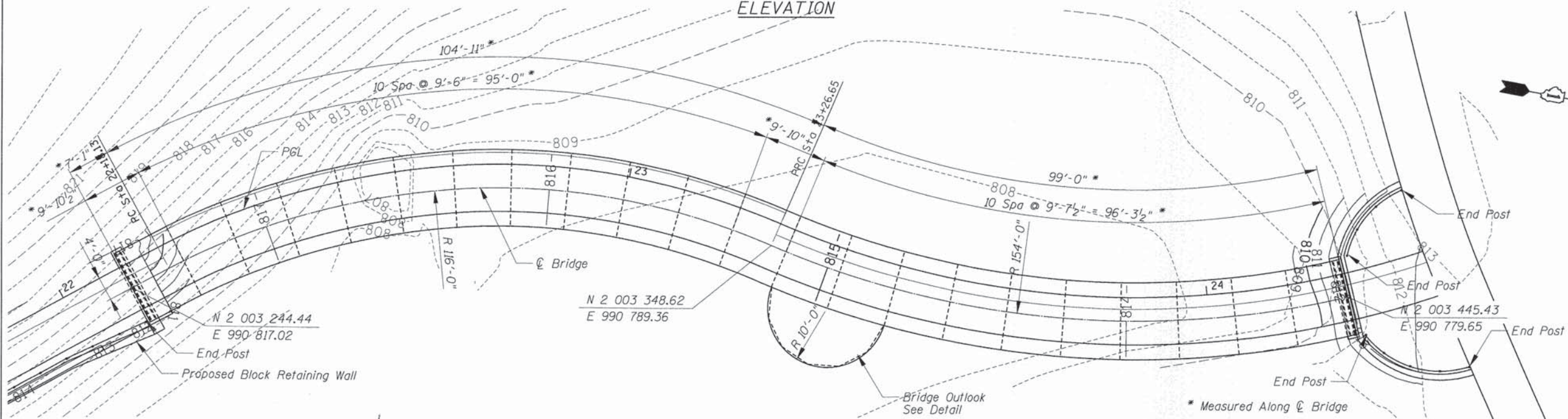
BENCHMARK: OSBM 13-51 X Mark on Westerly Rim of Sanitary Manhole West of Low Area South of Harnish Drive. Elev. 824.98

SUMMARY OF QUANTITIES

ITEM	UNIT	QUANTITY
Boardwalk Structure	Sq. Ft.	2,730
Segmental Concrete Block Wall	Sq. Ft.	2,050
Railing	Lin. Ft.	410



ELEVATION



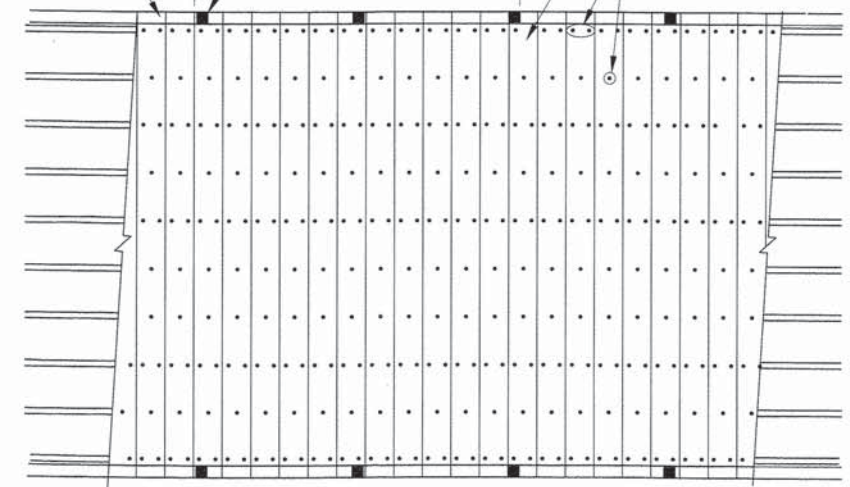
PLAN

Decking Shall Extend to Outside Face of Rail Posts

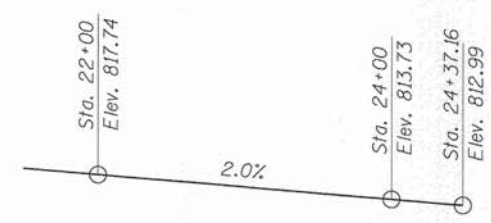
3"x8" Rough Sawn Wood Decking (3" Actual Finished Thickness) (Typ.)

4"x4" Rail Post

4 1/2" Long No. 12 Stainless Steel Screws (2-1-2-1-2-1-2-1-2 Per Deck Board, 15 Total)



DECKING PLAN



PROFILE GRADE

NOTES:

- The Rub Rail and Cap Rail Shall Be Installed Before Tensioning The Cable Rails.
 - The Top and Bottom of Pier Post Shall Be Covered With An Epoxy Glue To Prevent Water Absorption.
 - The Diamond Piers Shall Be Designed For The Following Loads:
Max. Vertical Load = 9,000 lb
Lateral Load = 900 lb
Uplift = 970 lb
 - Provide 2x10 Blocking For Joists At The Center of Each Span.
 - The Contractor Shall Submit Framing Plan of the Outlook for Review.
- DECKING:**
- Decking Shall Be Butted Tightly Board To Board To Allow For Board Shrinkage After Deck Construction.
 - Decking To Be Attached With 305 Stainless Steel or Better Screw Recessed 3/8" Below Deck Surface.
 - No Splices Shall Be Allowed For Bridge Decking.

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, And Complies With Requirements Of The Contract And The Current "Guide Specification For Design Of Pedestrian Bridge".



Majid Mobasser 5/14/2015
MAJID MOBASSERI
 ILLINOIS REGISTRATION No. 081-005058 STRUCTURAL ENGINEER
 EXPIRATION DATE: 11/30/16

DESIGN SPECIFICATIONS

2012 AASHTO Bridge Design Specifications, 6th Edition, with 2012 Interims and 2009 LRFD Guide Specifications for the Design of Pedestrian Bridge.

Uniform Loading of 90 PSF
 No Vehicular Loading

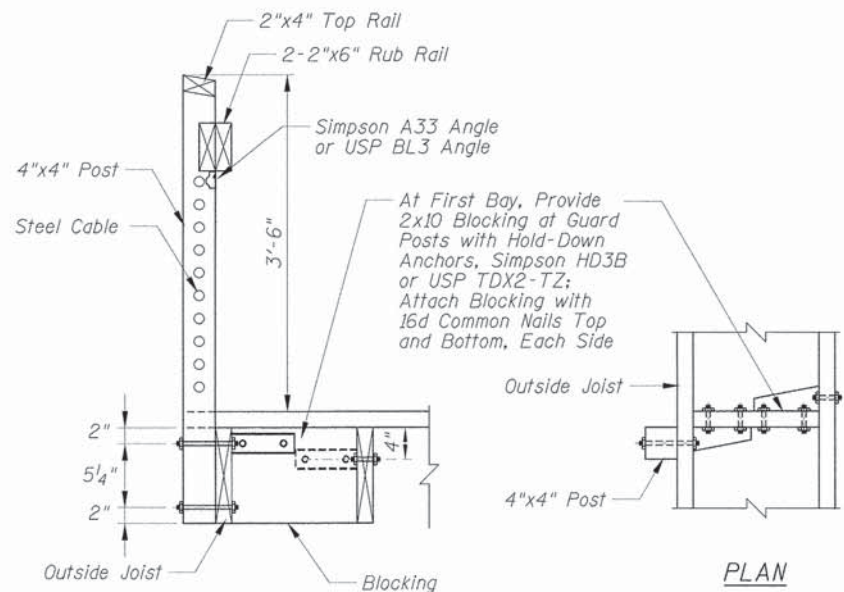
FILE NAME =	USER NAME = jlapaglia	DESIGNED -	REVISED -
N:\VALDONQUIN\078273\078273.00061\Struct	GPE_078273.061-S01.sht	DRAWN -	REVISED -
Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 5/4/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

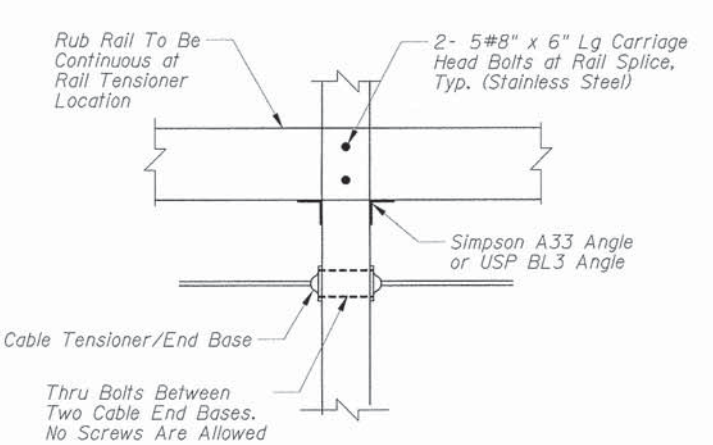
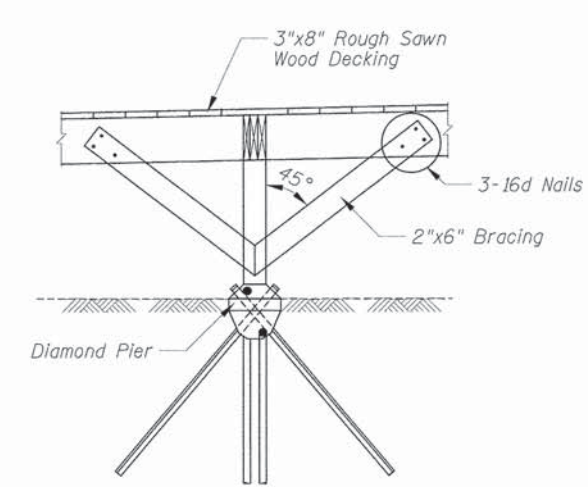
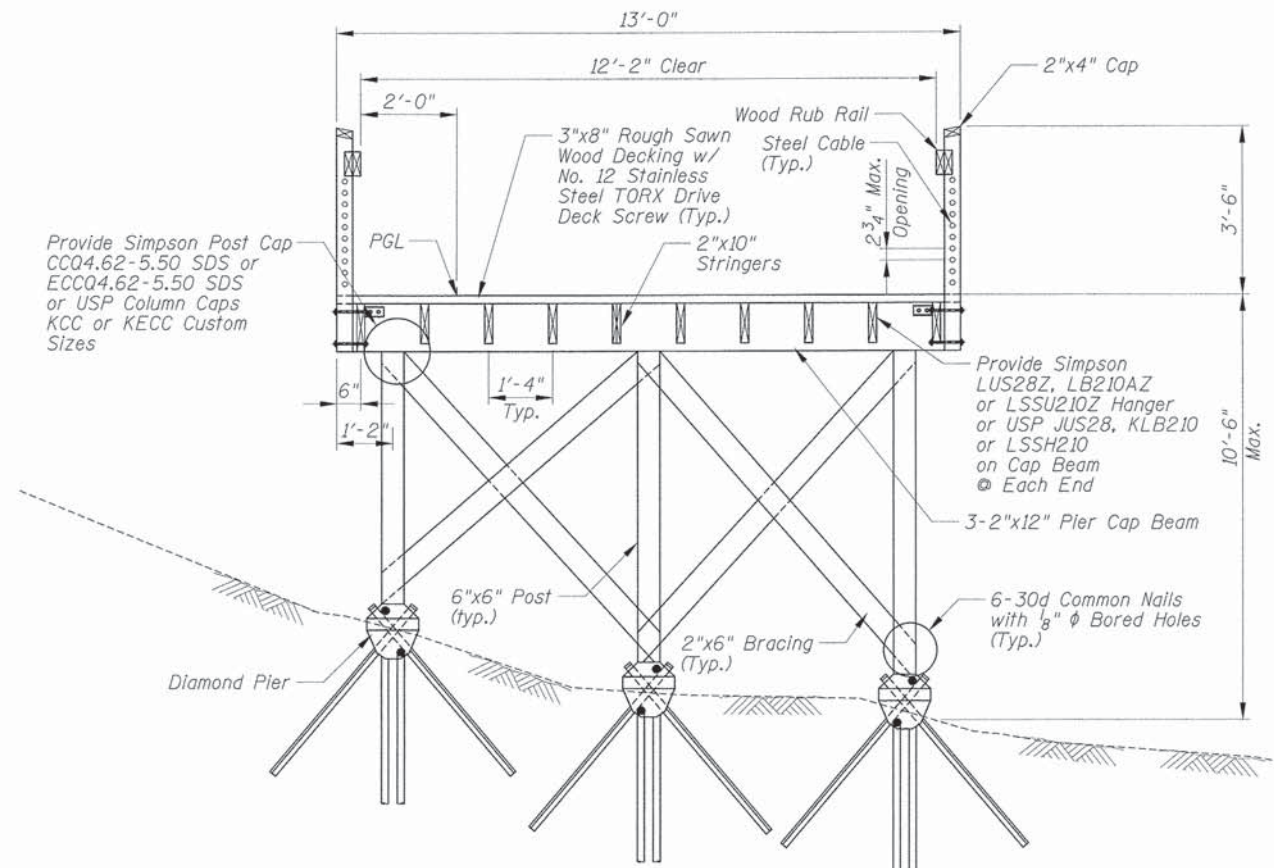
MULTI-USE PATH
BOARDWALK STRUCTURE
GENERAL PLAN AND ELEVATION

SCALE: SHEET OF SHEETS STA. TO STA.

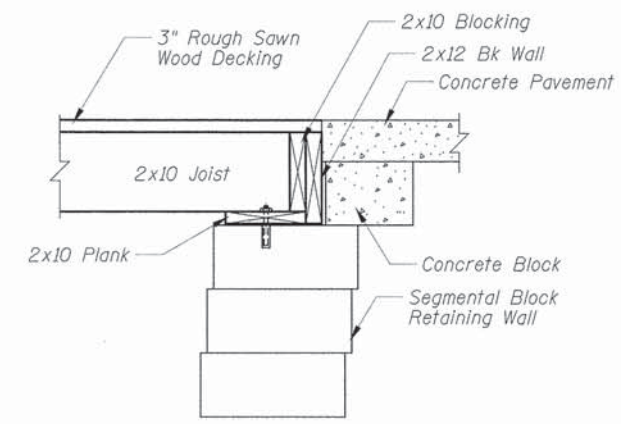
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	14-00087-00-BT	MCHENRY	51	23
				CONTRACT NO. 61B80
ILLINOIS FED. AID PROJECT				



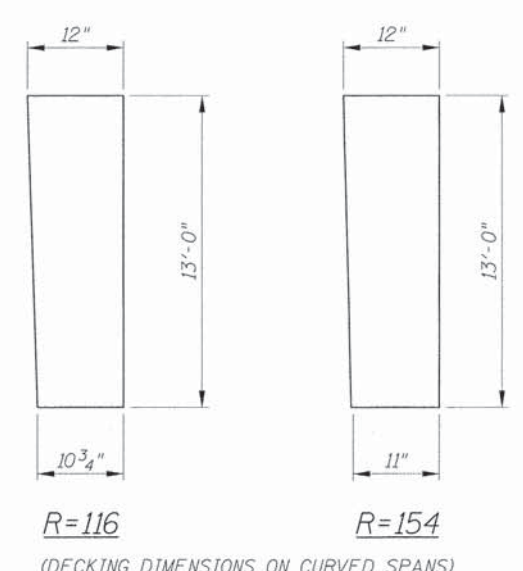
RAILING DETAIL

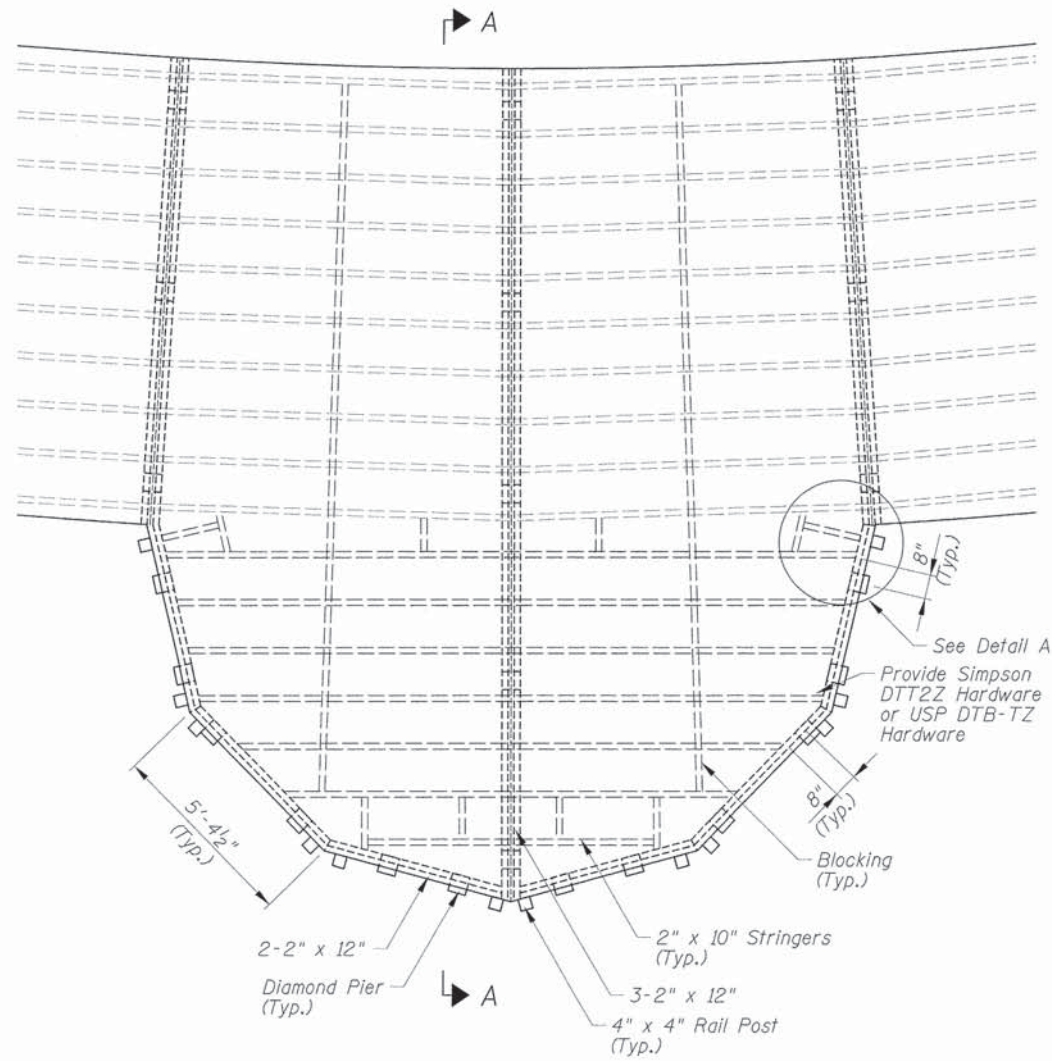


RAIL TENSIONER DETAIL

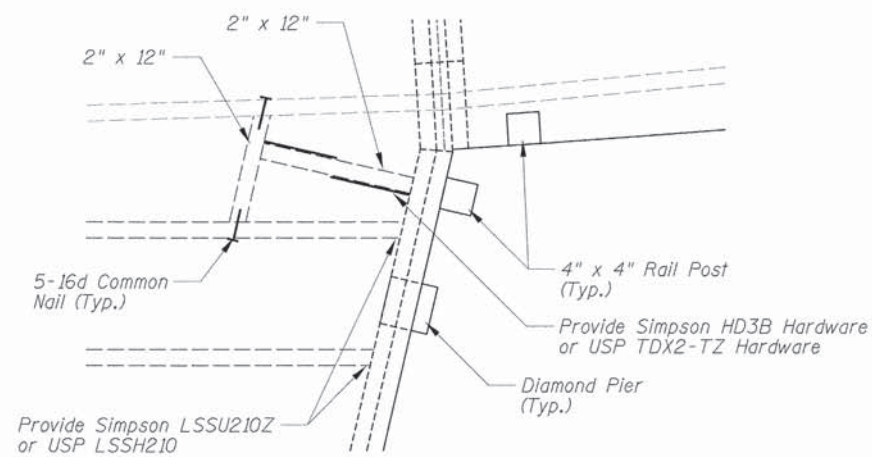


ABUTMENT DETAIL

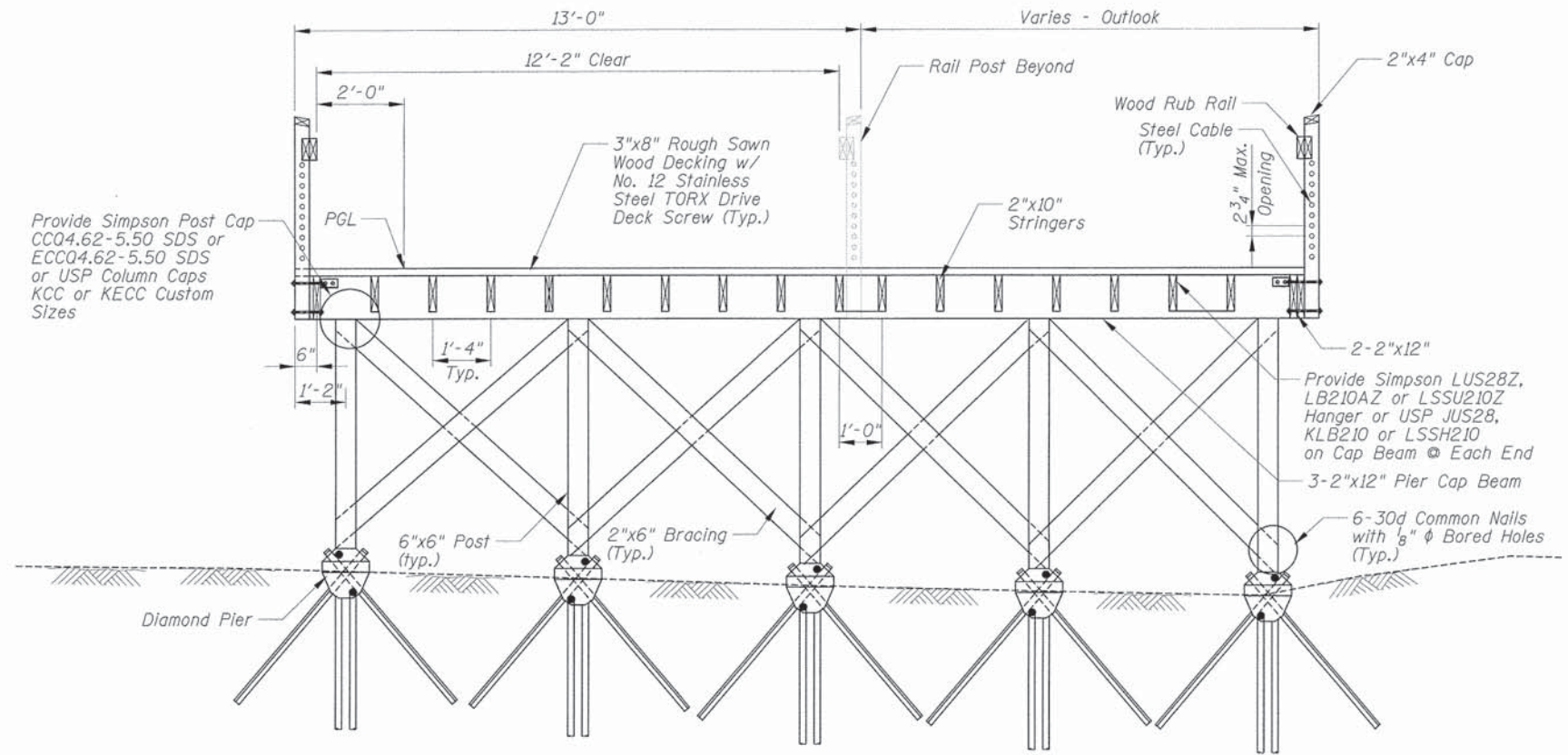




PLAN VIEW OF OUTLOOK



DETAIL A



SECTION A-A

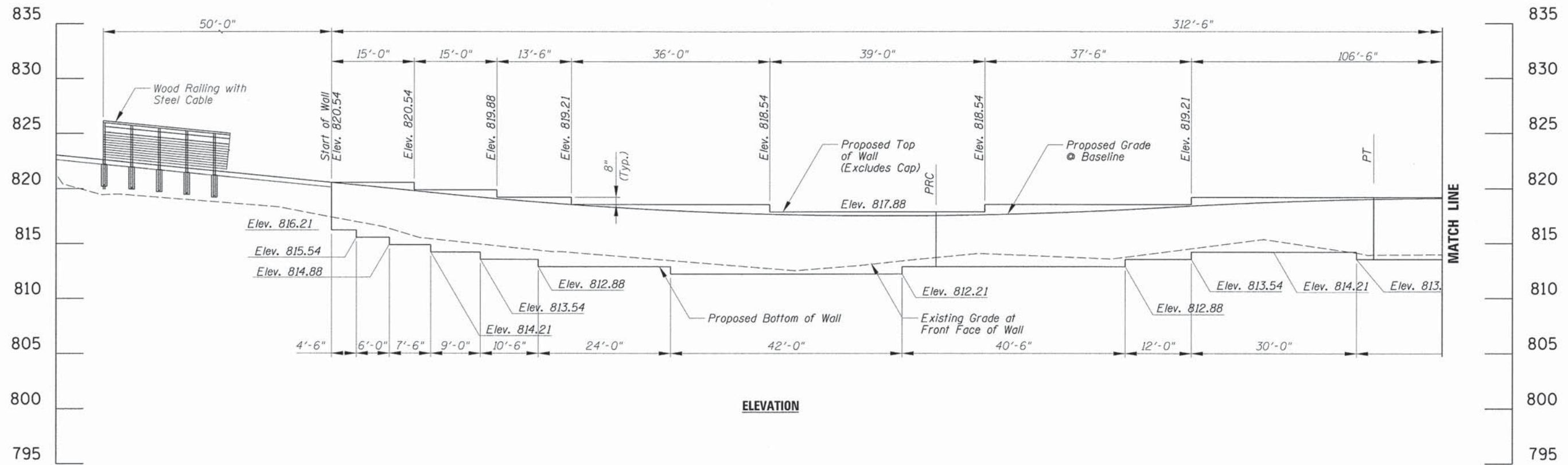
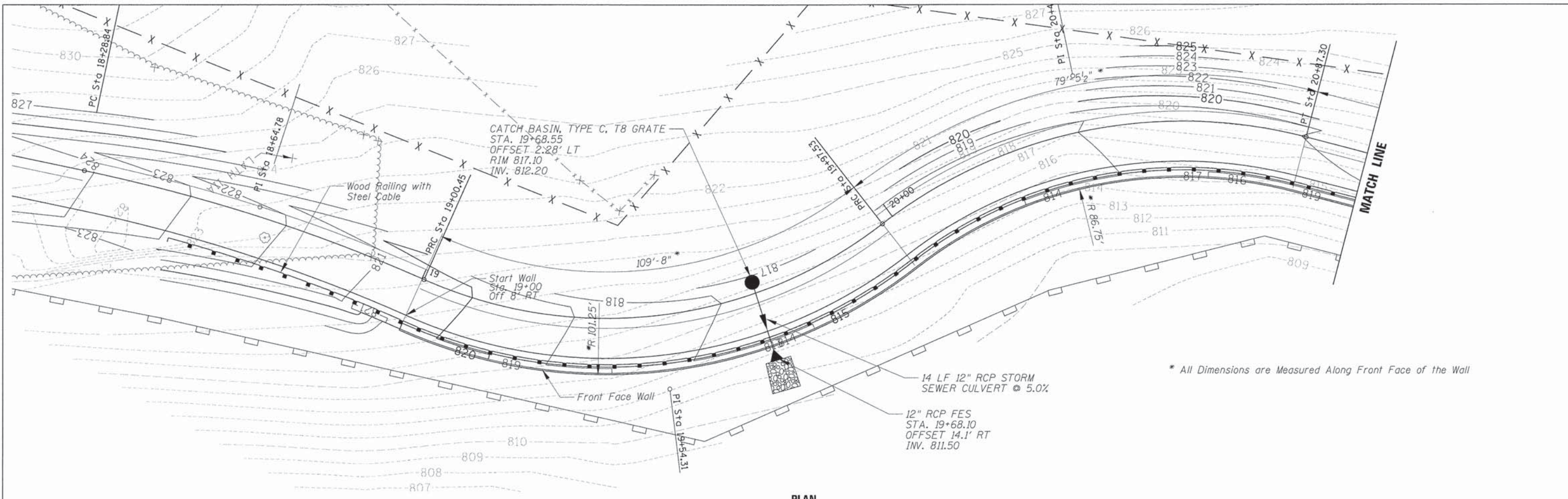
FILE NAME =	USER NAME = j_barnett	DESIGNED - LMF	REVISED -
N:\ALGONDWIN\070273\070273.00061\Struct	Detail_070273.061-503.sht	DRAWN - EDT	REVISED -
	PLOT SCALE = NOT TO SCALE	CHECKED - JGS	REVISED -
	PLOT DATE = 6/10/2015	DATE - 04/17/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

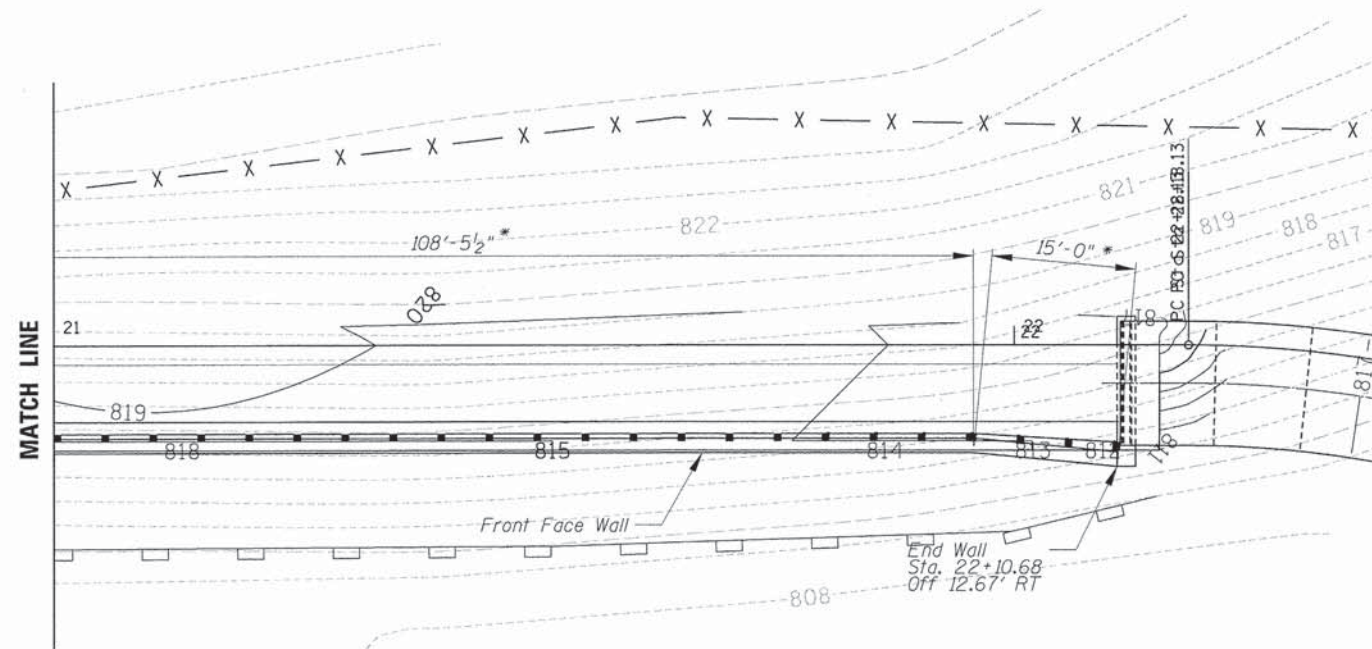
MULTI-USE PATH
BOARDWALK STRUCTURE
VIEW DECK PLAN, ELEVATION AND DETAILS

SCALE: 1" = 1'-0" SHEET NO. 25 OF 51 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	14-00087-00-BT	McHENRY	51	25
			CONTRACT NO. 61B80	
ILLINOIS FED. AID PROJECT				

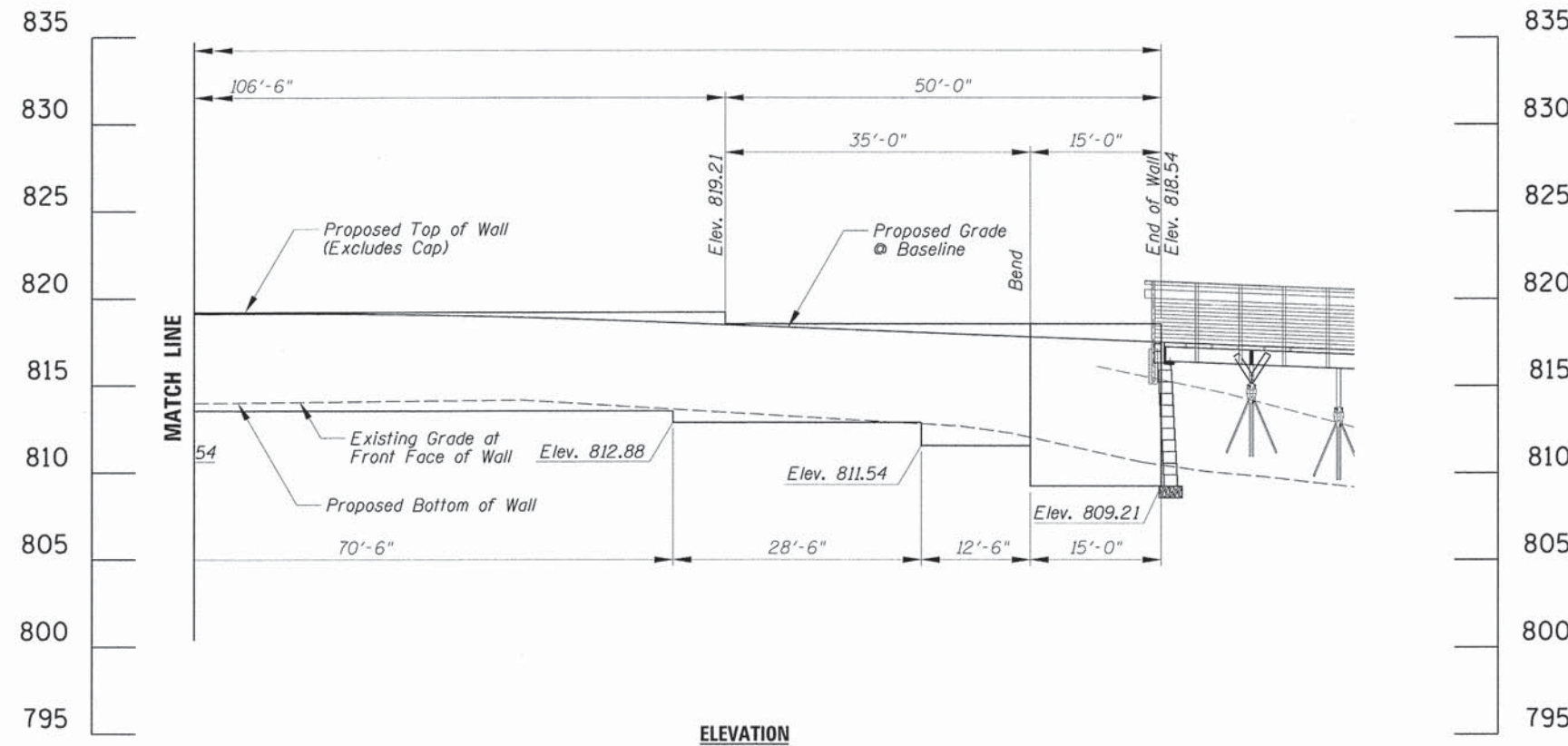


FILE NAME =	USER NAME = edstade	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-USE PATH SEGMENTAL CONCRETE BLOCK WALL GENERAL PLAN AND ELEVATION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	GPE-WALL_070273.061-01.sht	DRAWN -	REVISED -			14-00087-00-BT	McHENRY	51	26		
	PLOT SCALE = 10"	CHECKED -	REVISED -			CONTRACT NO. 61B80					
	PLOT DATE = 5/15/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:							
				SHEET							
				OF							
				SHEETS							
				STA.							
				TO							
				STA.							



PLAN

* All Dimensions are Measured Along Front Face of the Wall



ELEVATION

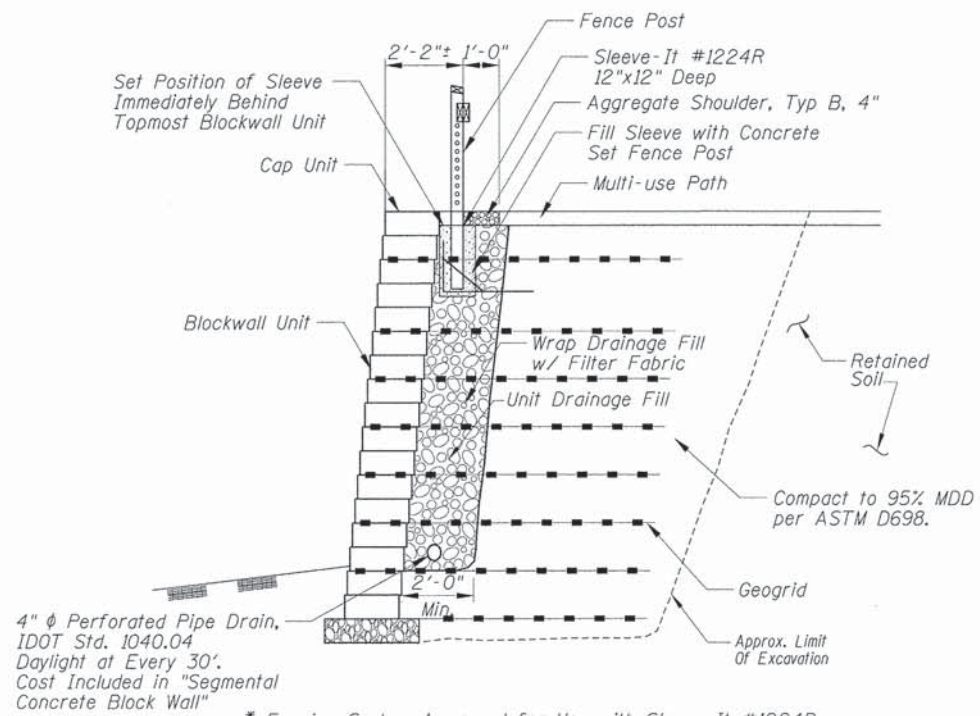
FILE NAME =	USER NAME = edtda	DESIGNED -	REVISED -
N:\ALGONDWIN\070273\070273.00061\Struct	GPE-WALL_070273.00061-02.dwg	DRAWN -	REVISED -
Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 5/15/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MULTI-USE PATH
SEGMENTAL CONCRETE BLOCK WALL
GENERAL PLAN AND ELEVATION**

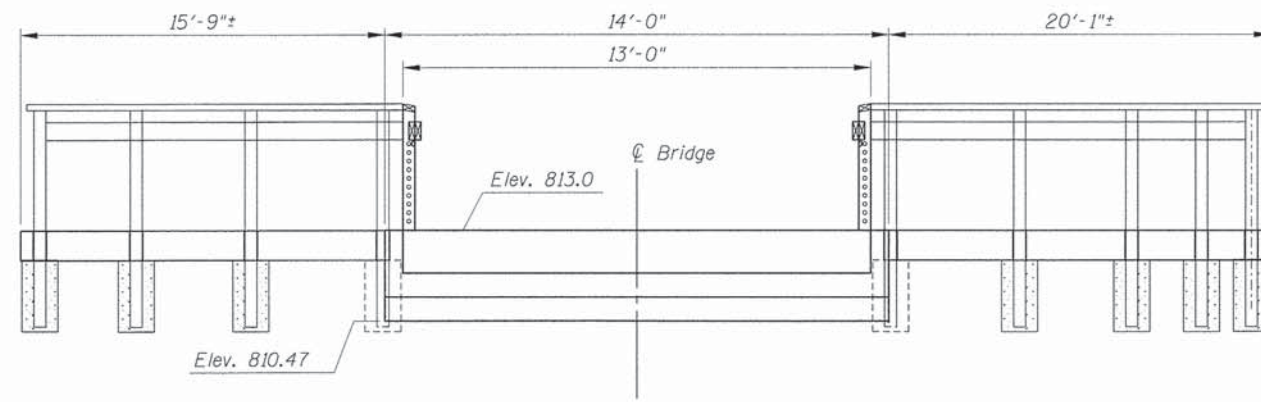
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	14-00087-00-BT	McHENRY	51	27
			CONTRACT NO. 61B80	
ILLINOIS FED. AID PROJECT				

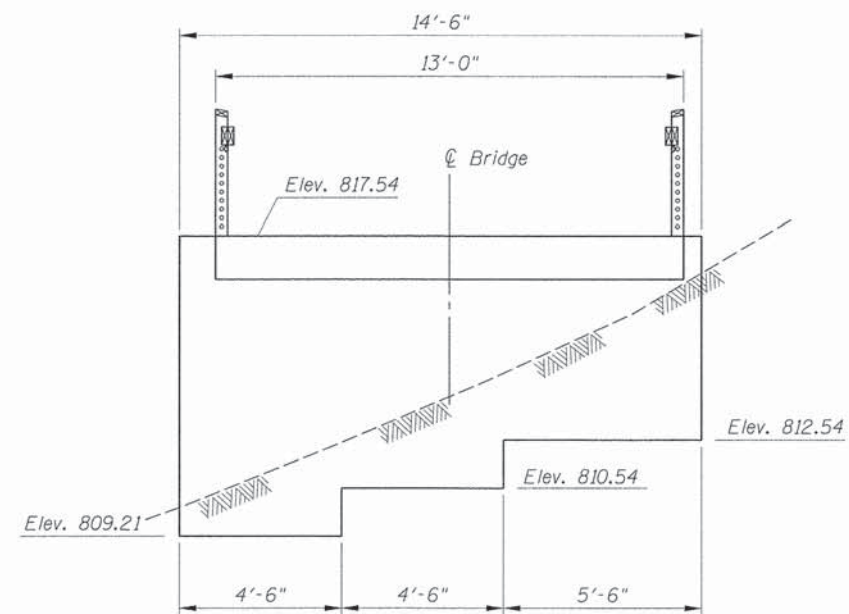


TYPICAL CROSS SECTION
NTS

* Fencing System Approved for Use with Sleeve-It #1224R are Limited To The Following Heights: Chain-Link - up to 8', Privacy - up to 6' (Wooden, PVC, Metal). Post Size 4"x4" Max.



ELEVATION - NORTH ABUTMENT
NTS

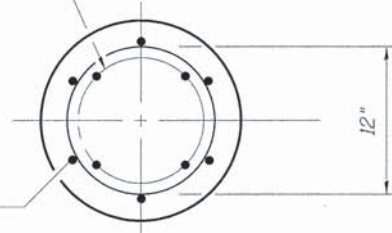


ELEVATION - SOUTH ABUTMENT
NTS

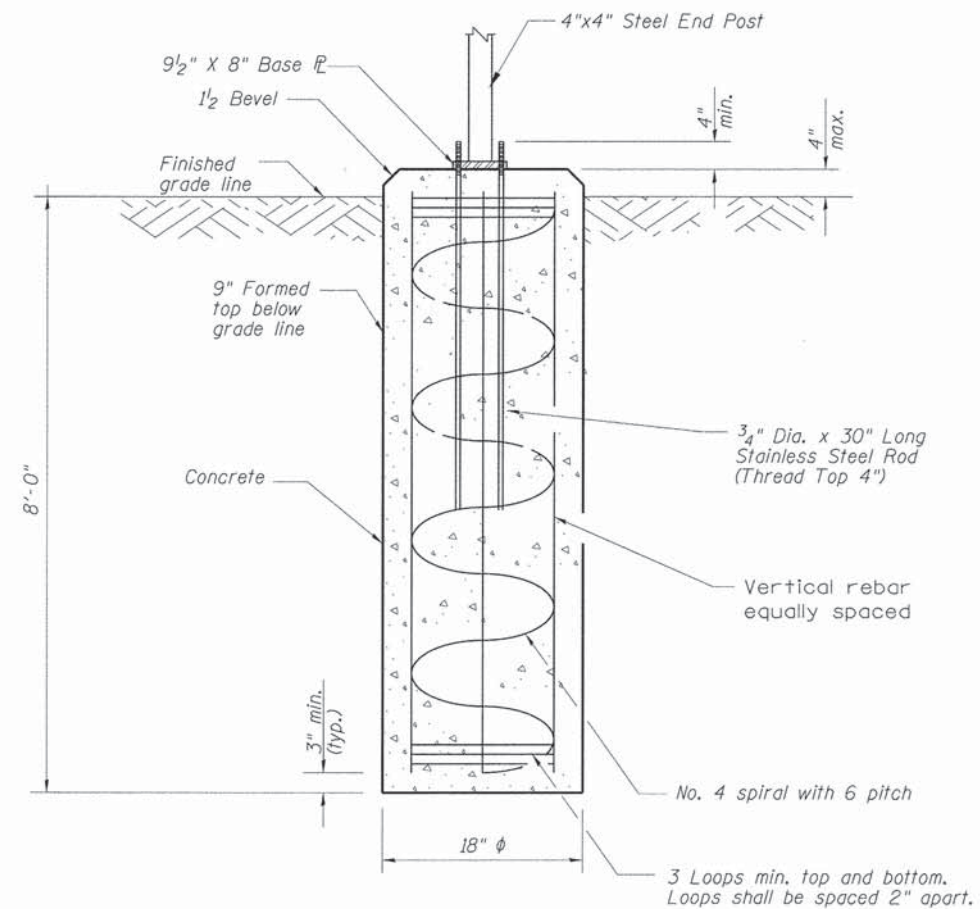
FILE NAME =	USER NAME = edtda	DESIGNED - LMF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-USE PATH SEGMENTAL CONCRETE BLOCK WALL SECTION AND DETAIL	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ALGONDWIN\070273\070273.00061\Sub-uct	Wall-Det_070273.061.rvt	DRAWN - EDT	REVISED -			---	14-00087-00-BT	McHENRY	51	28
PLOT SCALE = NOT TO SCALE	CHECKED - JGS	REVISED -	REVISED -			CONTRACT NO. 61B80				
PLOT DATE = 5/15/2015	DATE - 04/17/2015	REVISED -	REVISED -			SCALE: 1'	SHEET NO. 28 OF 51 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

Bolt circle and quantity of anchor rods as specified.

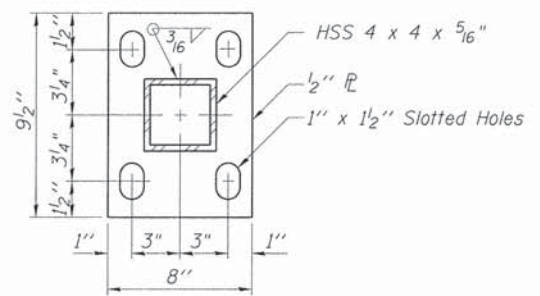
6-#6 Vertical rebar equally spaced



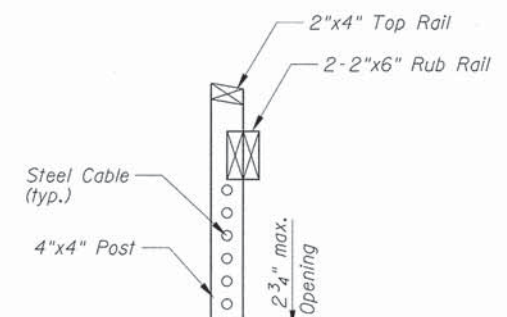
TOP VIEW



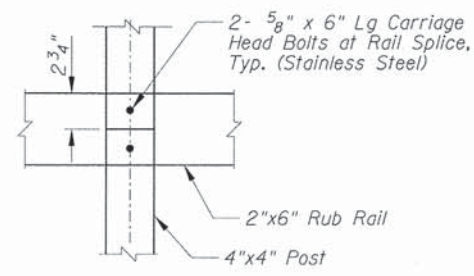
TERMINAL POST CONCRETE FOUNDATION



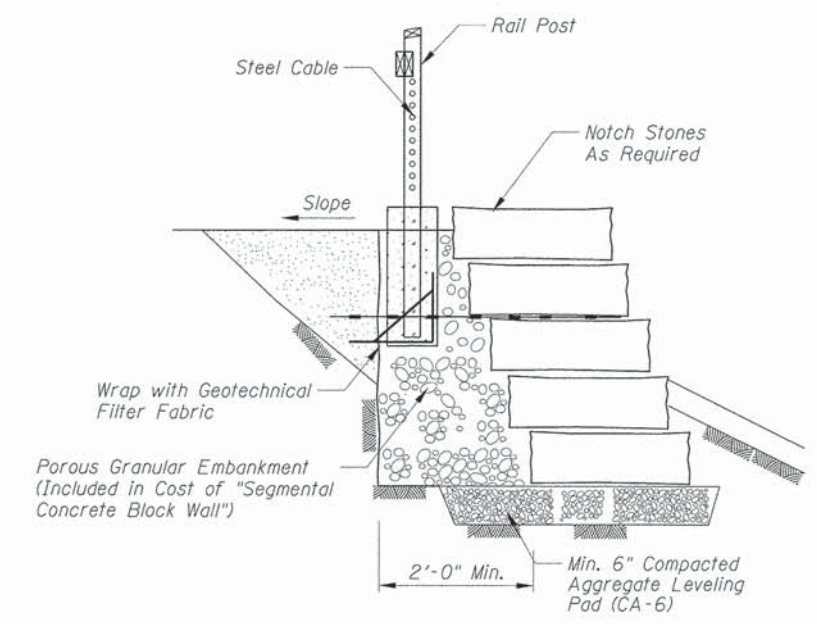
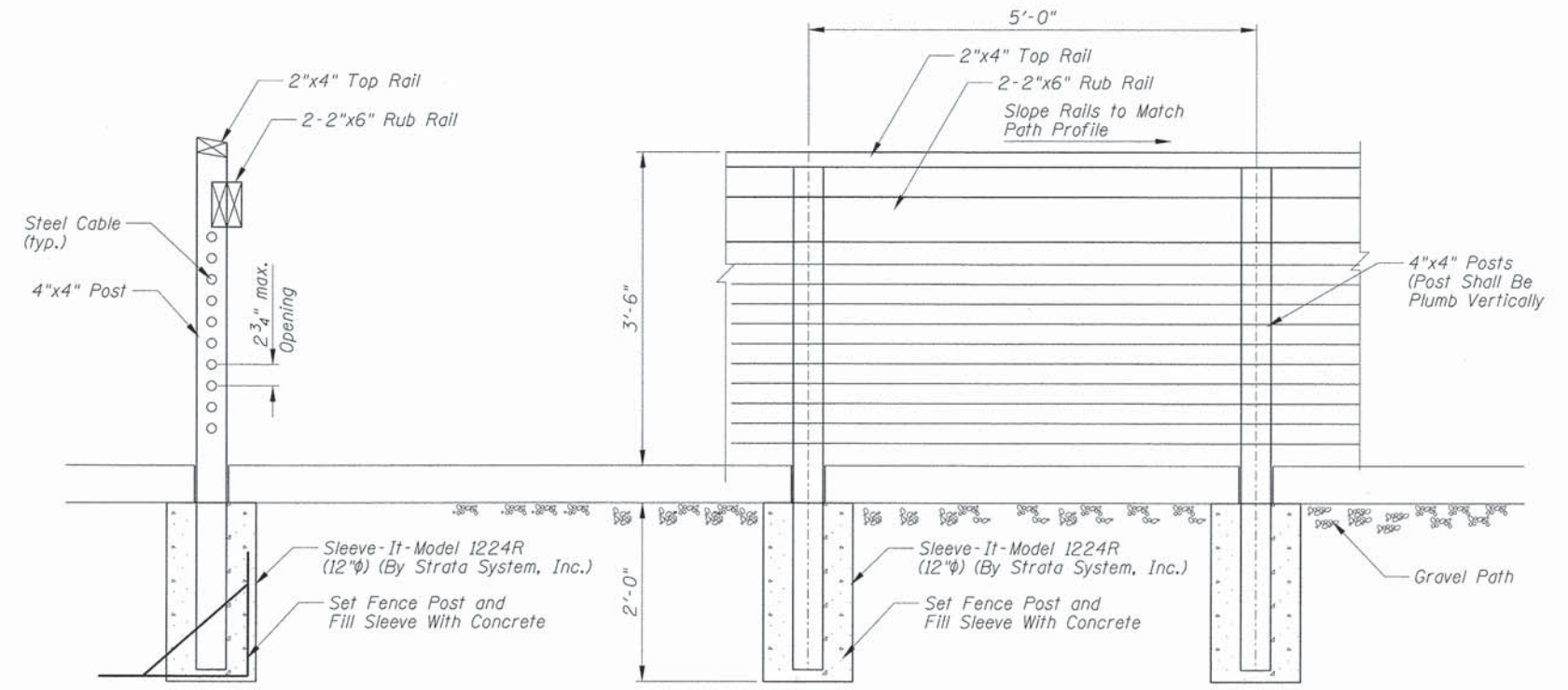
BASE PLATE FOR END TERMINAL POST



RUB RAIL TO POST CONNECTION

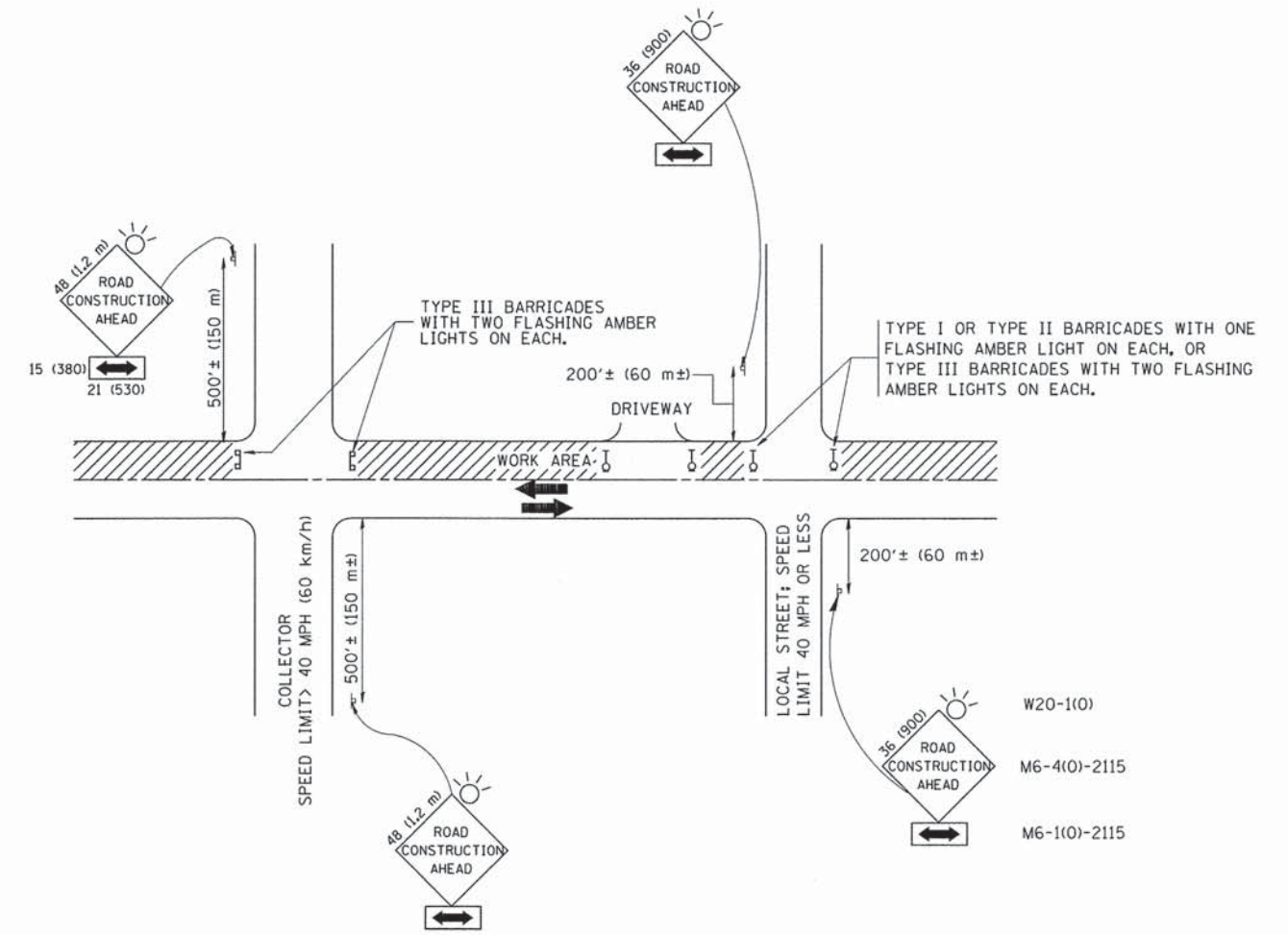


TYPICAL RAILING ELEVATION BEYOND BOARD WALK



GROUND MOUNTED INTERMEDIATE RAIL POST

FILE NAME =	USER NAME = edotada	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED BOARDWALK STRUCTURE RAIL POST DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ALGONQUIN\070273\070273.000061\Struct	Rail-det_070273.sht	DRAWN =	REVISED =			---	14-00087-00-BT	McHENRY	51	29	
Default	PLOT SCALE = 1"	CHECKED =	REVISED =			CONTRACT NO. 61B80					
	PLOT DATE = 5/15/2015	DATE =	REVISED =			ILLINOIS FED. AID PROJECT					
SCALE:						SHEET OF SHEETS STA. TO STA.					



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

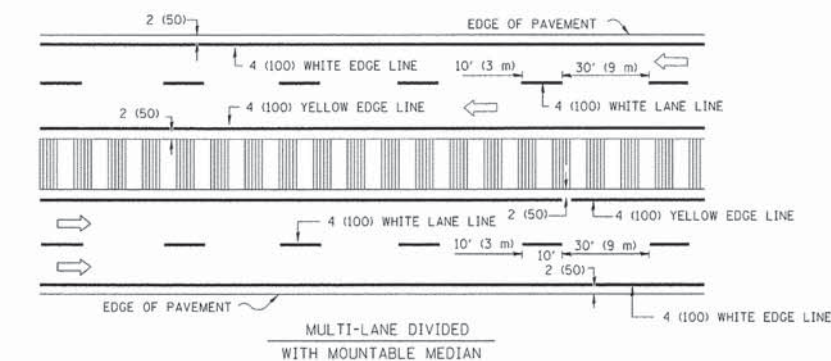
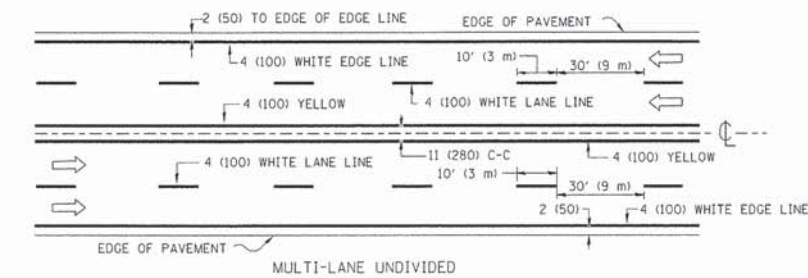
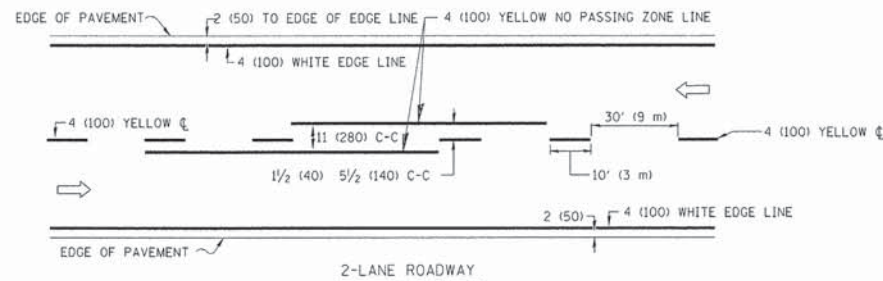
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = geglennobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\diststd\22x34\tcl18.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

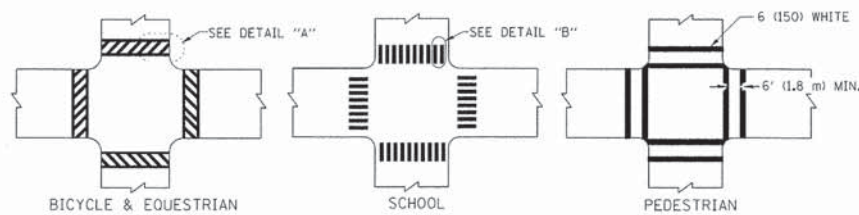
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00087-00-BT	McHENRY	51	30
TC-10			CONTRACT NO. 61B80	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

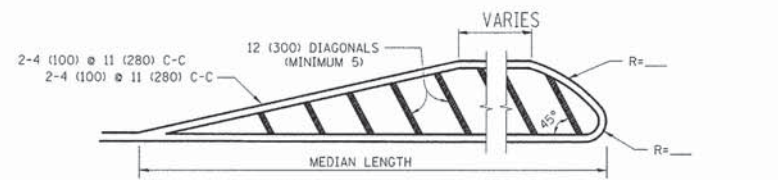
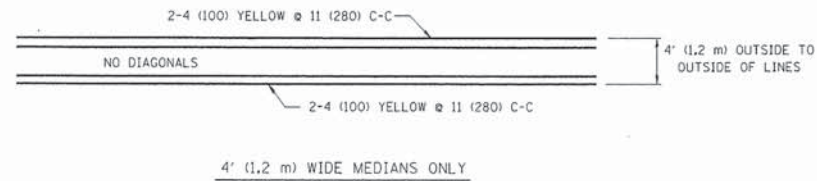


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

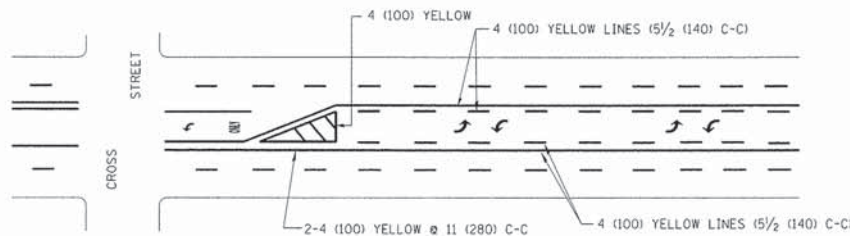


TYPICAL CROSSWALK MARKING

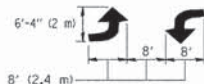


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

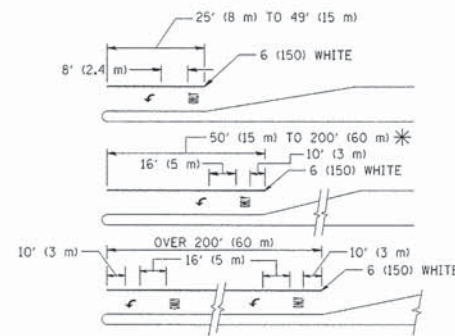


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

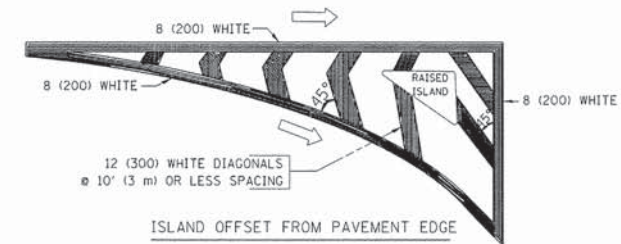


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

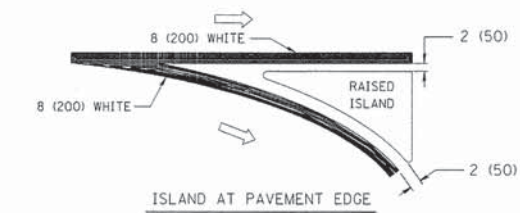
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
A. DIAGONALS (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
B. LONGITUDINAL BARS (SCHOOL)	12 (300) @ 90°	SOLID	WHITE	2' (600) APART
				SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
	NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS			
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

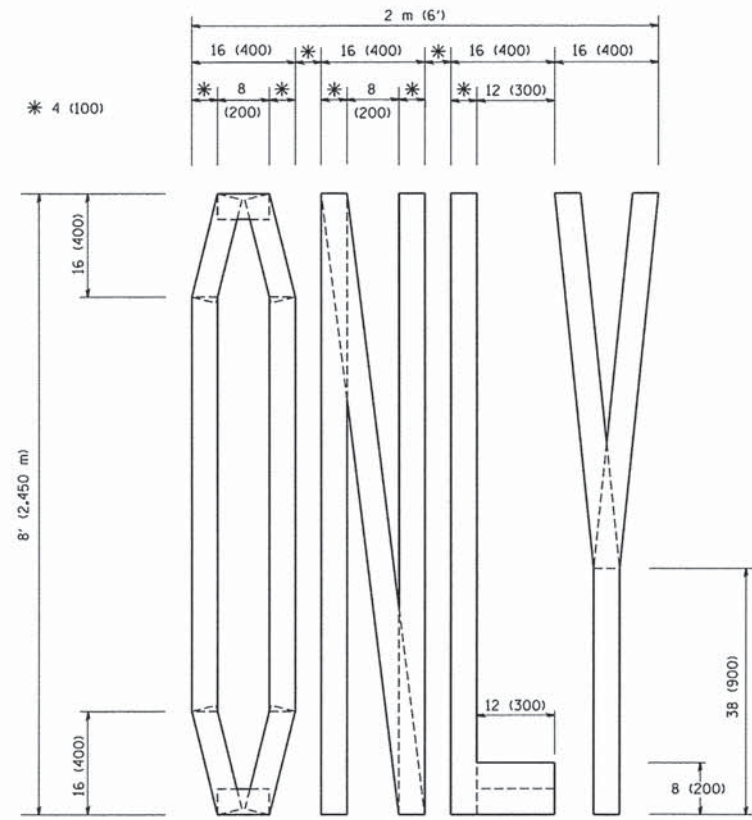
FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
cr:\pwwork\p\sdot\drivakosgn\d0108315\td	3.dgn	DRAWN -	REVISED - C. JUICIUS 09-09-09
	PLOT SCALE = 58,000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

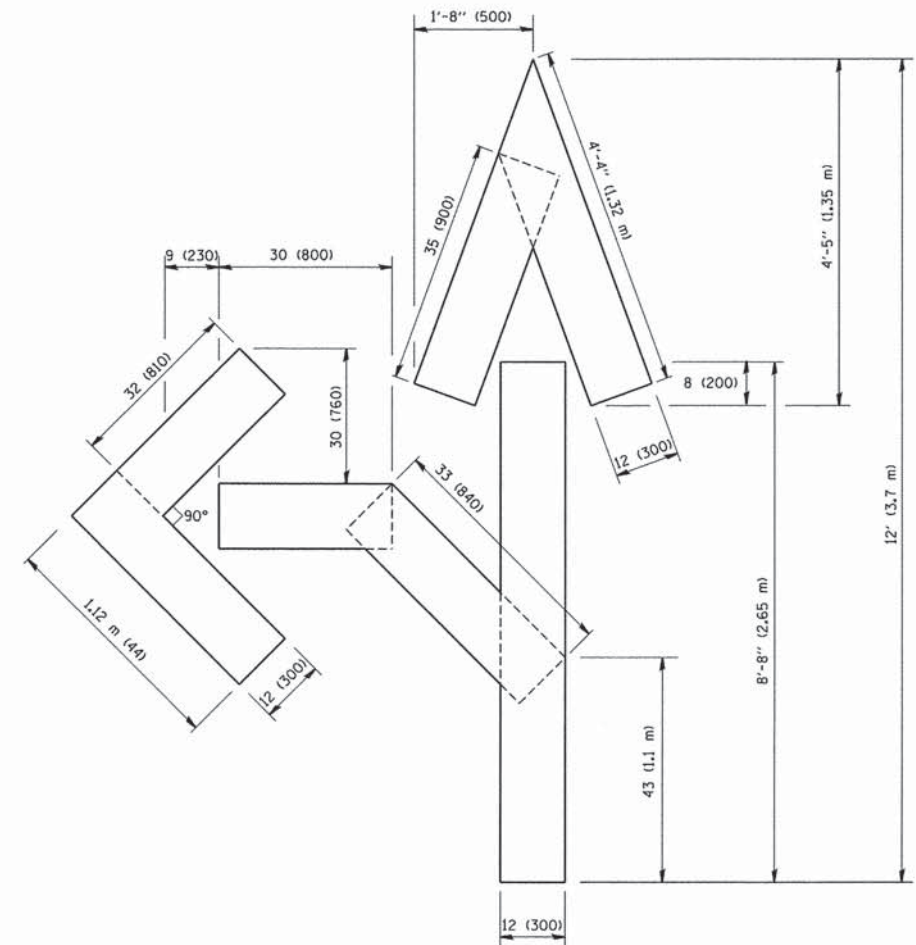
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

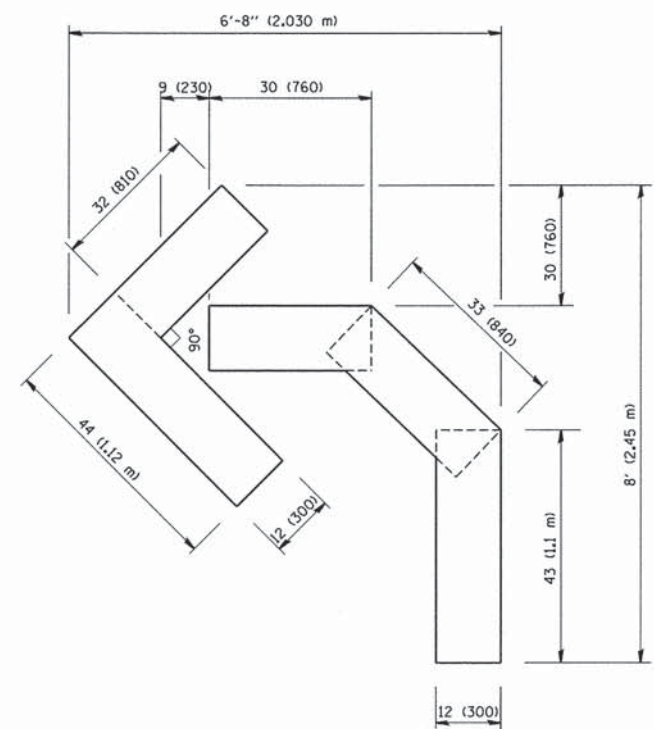
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00087-00-BT	McHENRY	51	31
	TC-13	CONTRACT NO.	61B80	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\diststd\22+34\tc16.dgn	USER NAME = gaglienobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

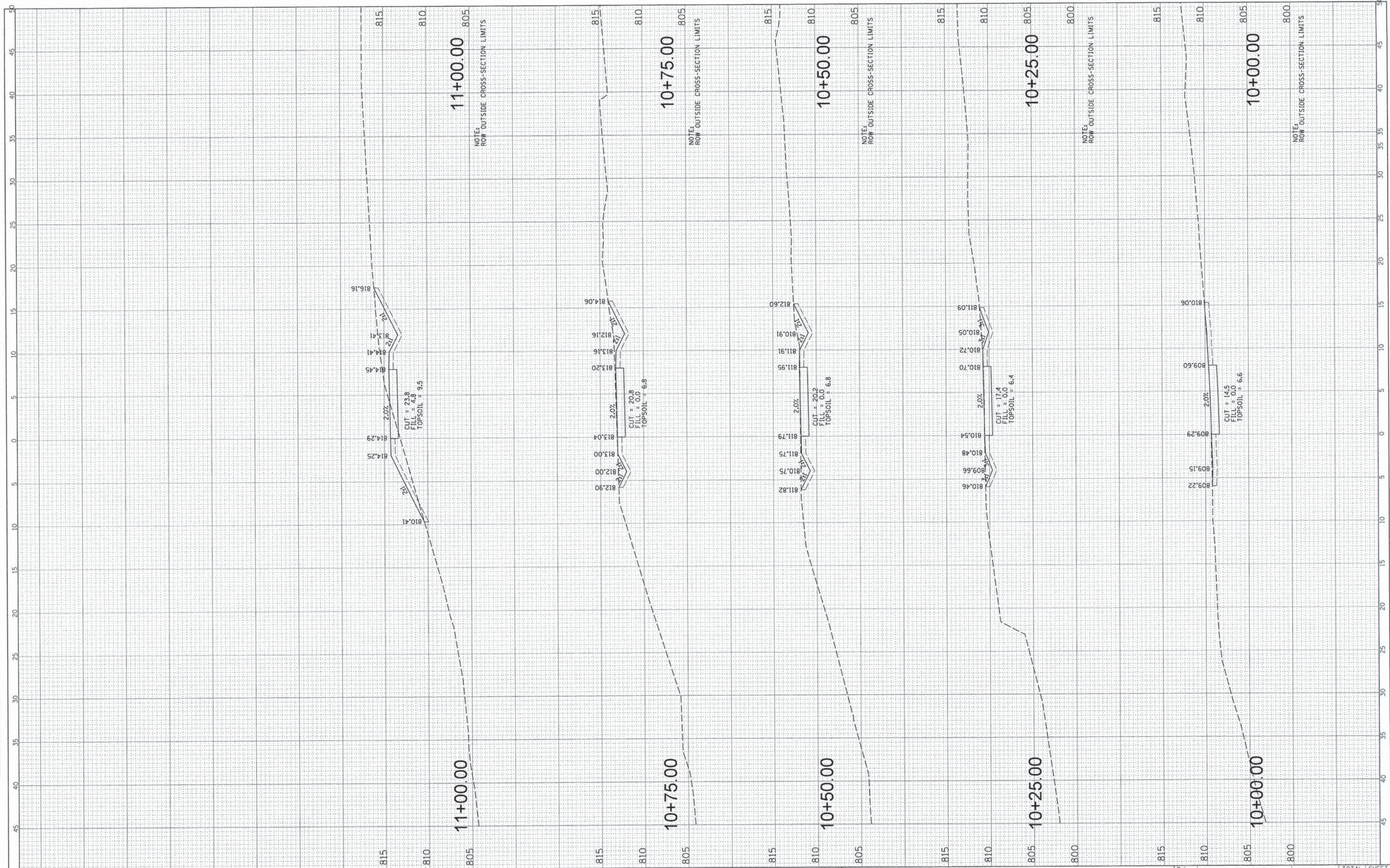
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00087-00-BT	MCHENRY	51	32
TC-16			CONTRACT NO. 61B80	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
NOTED SURVEY	DATE
NOTE BOOK	DATE
AREAS CHECKED	DATE
NO.	

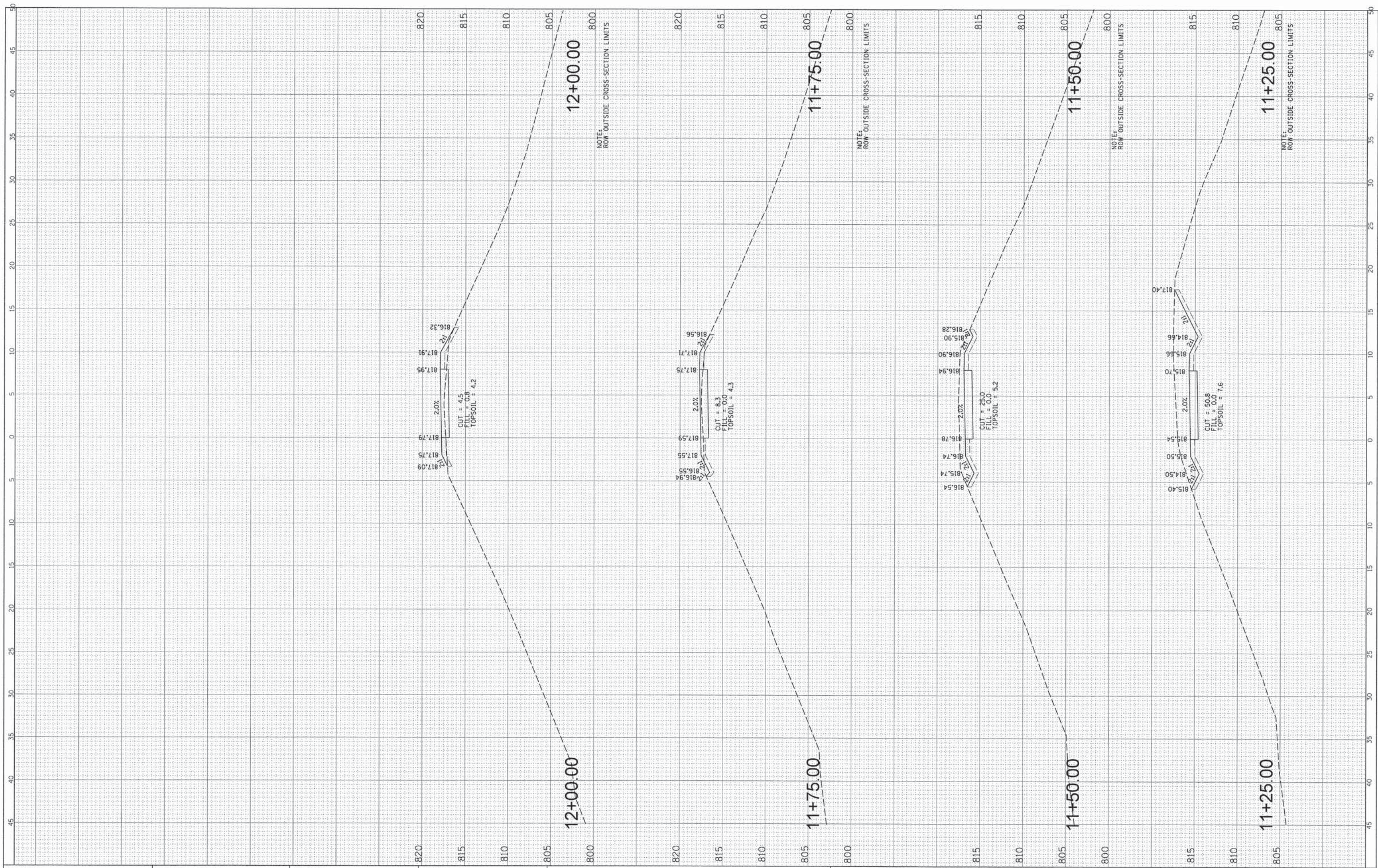
ORIGINAL SURVEY	DATE
NOTED SURVEY	DATE
NOTE BOOK	DATE
AREAS CHECKED	DATE
NO.	



FILE NAME = N:\ALGONQUIN\070273\070273\00061\Civil\pkgs_273\0061_01_AL15.SHT	USER NAME = edtodo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARPER DRIVE BIKE PATH STA. 10+00 - STA. 11+00		F.A. RTE. ---	SECTION 14-00087-00-BT	COUNTY McHENRY	TOTAL SHEETS 51	SHEET NO. 33	
PLOT SCALE = 5'	PLOT DATE = 5/15/2015	DRAWN -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61B80				
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMPLATE		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMPLATE		



FILE NAME =
 N:\ALGONQUIN\070273\070273\00061\Civil\pks...2730061_01_AL15.SHT

USER NAME = edtoda
 PLOT SCALE = 5"
 PLOT DATE = 5/15/2015

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

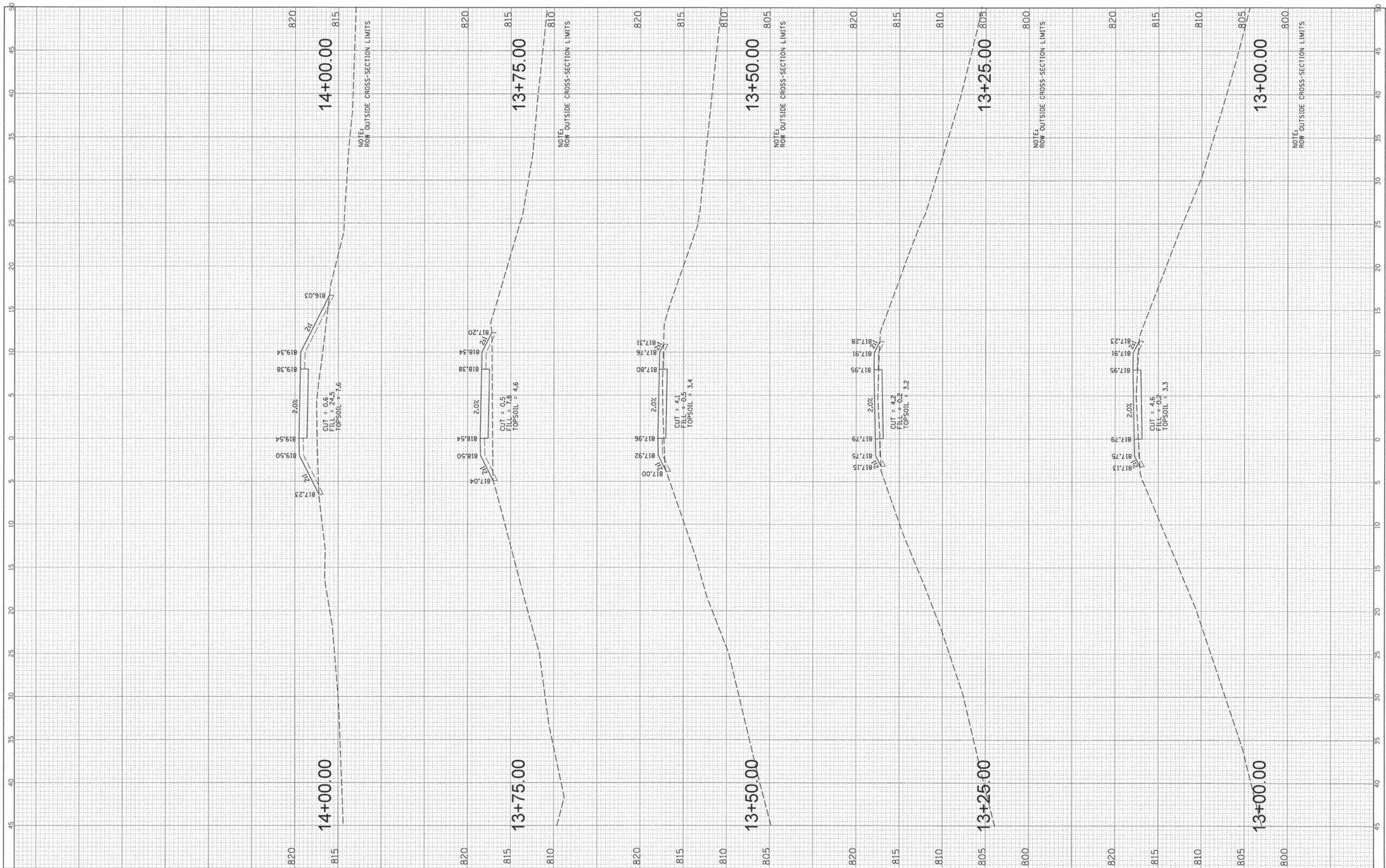
**HARPER DRIVE BIKE PATH
 STA. 11+25 - STA. 12+00**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	14-00087-00-BT	McHENRY	51	34
CONTRACT NO. 61B80				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		



FILE NAME = N:\ALGONDWIN\070273\070273.00061\Civil\pws_273061_01_AL_T5.SHT
 USER NAME = edtoday
 PLOT SCALE = 5'
 PLOT DATE = 5/15/2015

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

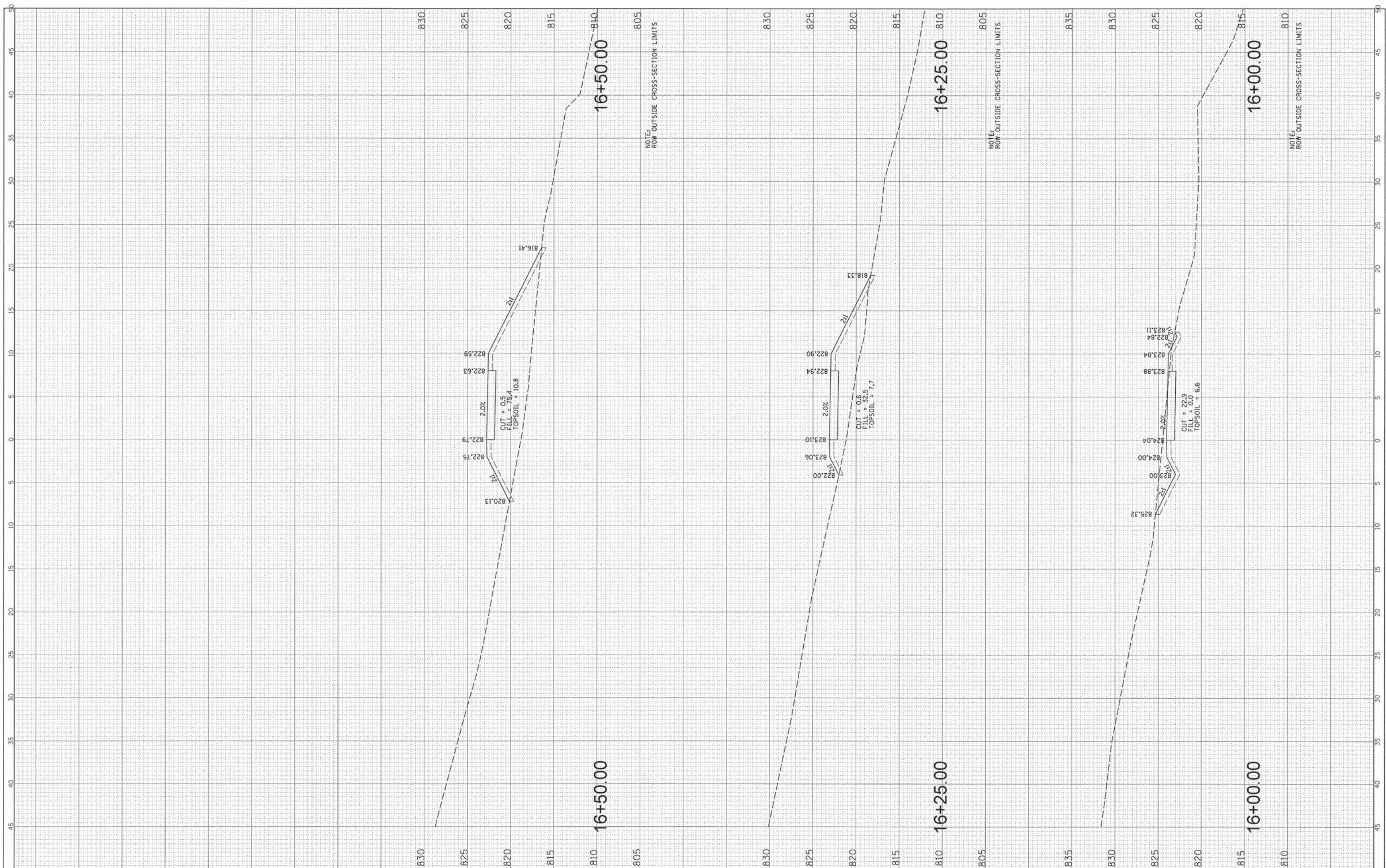
**HARPER DRIVE BIKE PATH
STA. 13+00 - STA. 14+00**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	14-00087-00-BT	McHENRY	51	36
			CONTRACT NO. 61B80	
ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	REVISIONS		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	REVISIONS		
NO.	AREAS CHECKED		



FILE NAME =
 N:\ALGONDWIN\070273\070273.00061\Civil\pws...2730061_01_AL15.SHT

USER NAME = edtodo
 PLOT SCALE = 5'
 PLOT DATE = 5/15/2015

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

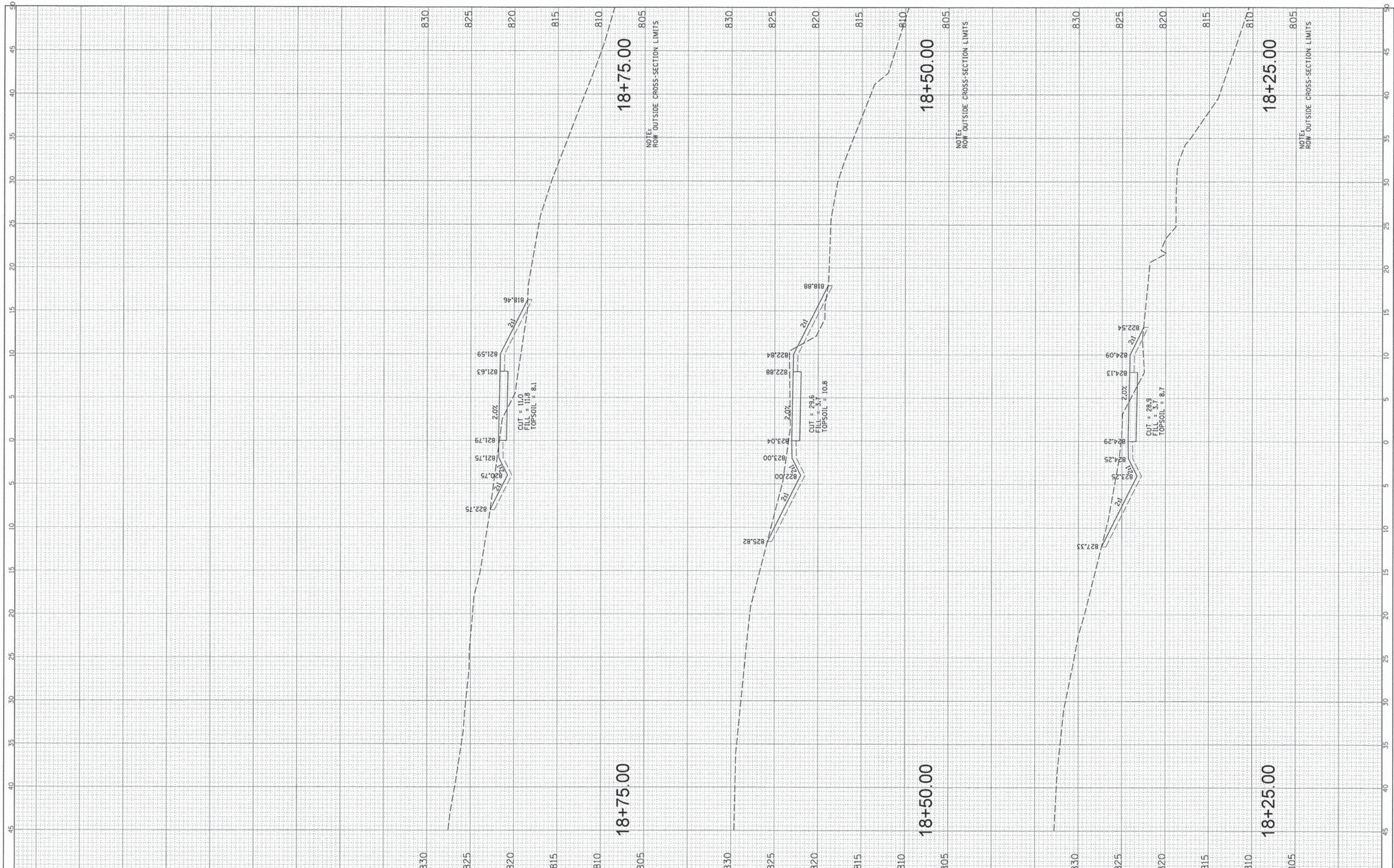
**HARPER DRIVE BIKE PATH
 STA. 16+00 - STA. 16+50**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	14-00087-00-BT	McHENRY	51	39
CONTRACT NO. 61B80				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	DATE		
	AREAS CHECKED		

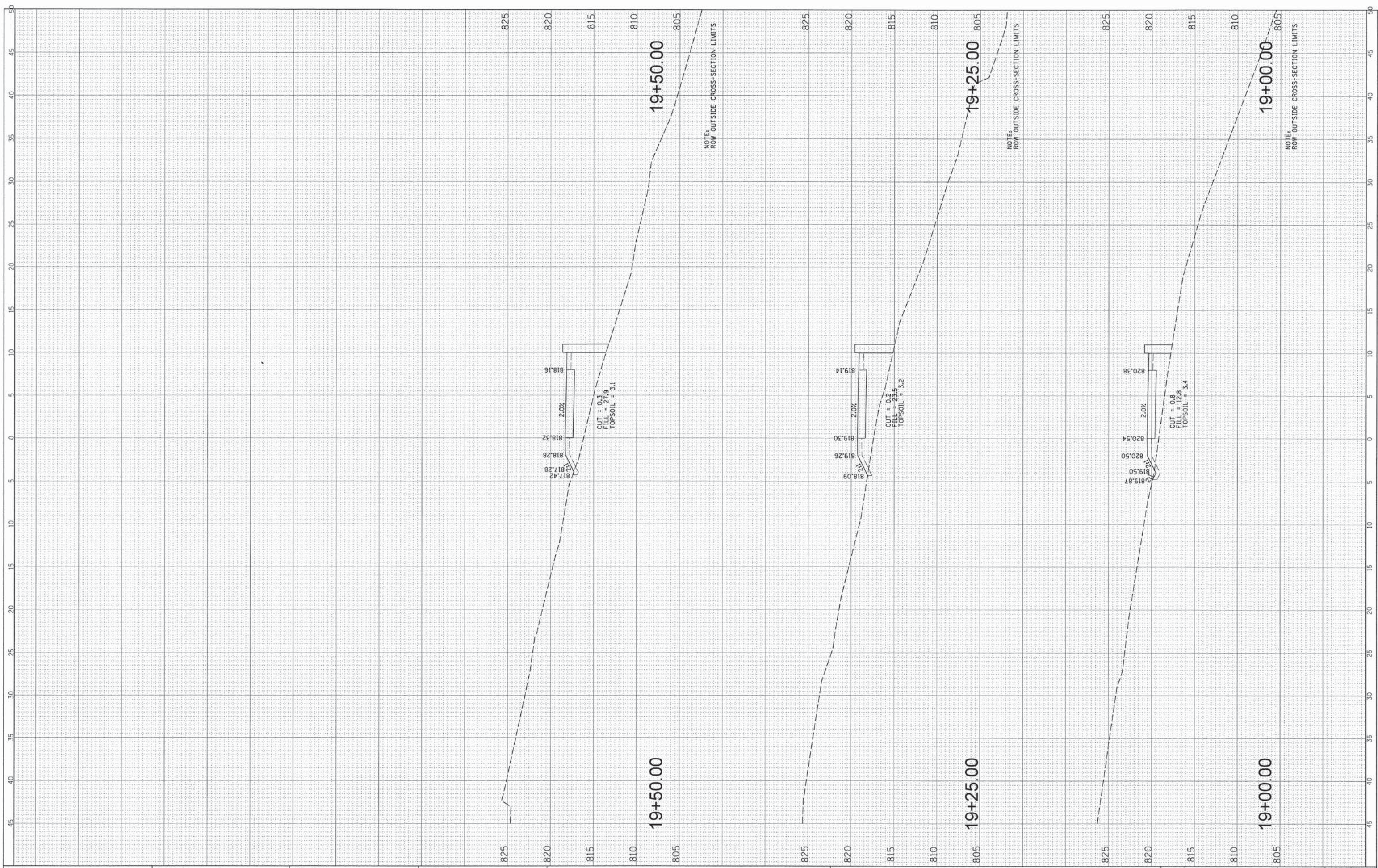
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	DATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = edtoda	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARPER DRIVE BIKE PATH STA. 18 + 25 - STA. 18 + 75				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ALGONDWIN\070273\070273.00061\Civil\pws_2730061_01_AL T5.SHT		DRAWN -	REVISED -		---	14-00087-00-BT	McHENRY	51	42				
Default	PLDT SCALE = 5'	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 61B80				
	PLDT DATE = 5/15/2015	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

FINAL SURVEY	SURVEYED	BY	DATE
PLOTTED			
NOTE BOOK			
AREAS			
CHECKED			

ORIGINAL SURVEY	SURVEYED	BY	DATE
PLOTTED			
NOTE BOOK			
AREAS			
CHECKED			



FILE NAME =
 N:\ALGONQUIN\070273\070273.00061\Civil\pxs_2730061_01_AL15.SHT

USER NAME = edtoda
 PLLOT SCALE = 5'
 PLOT DATE = 5/15/2015

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

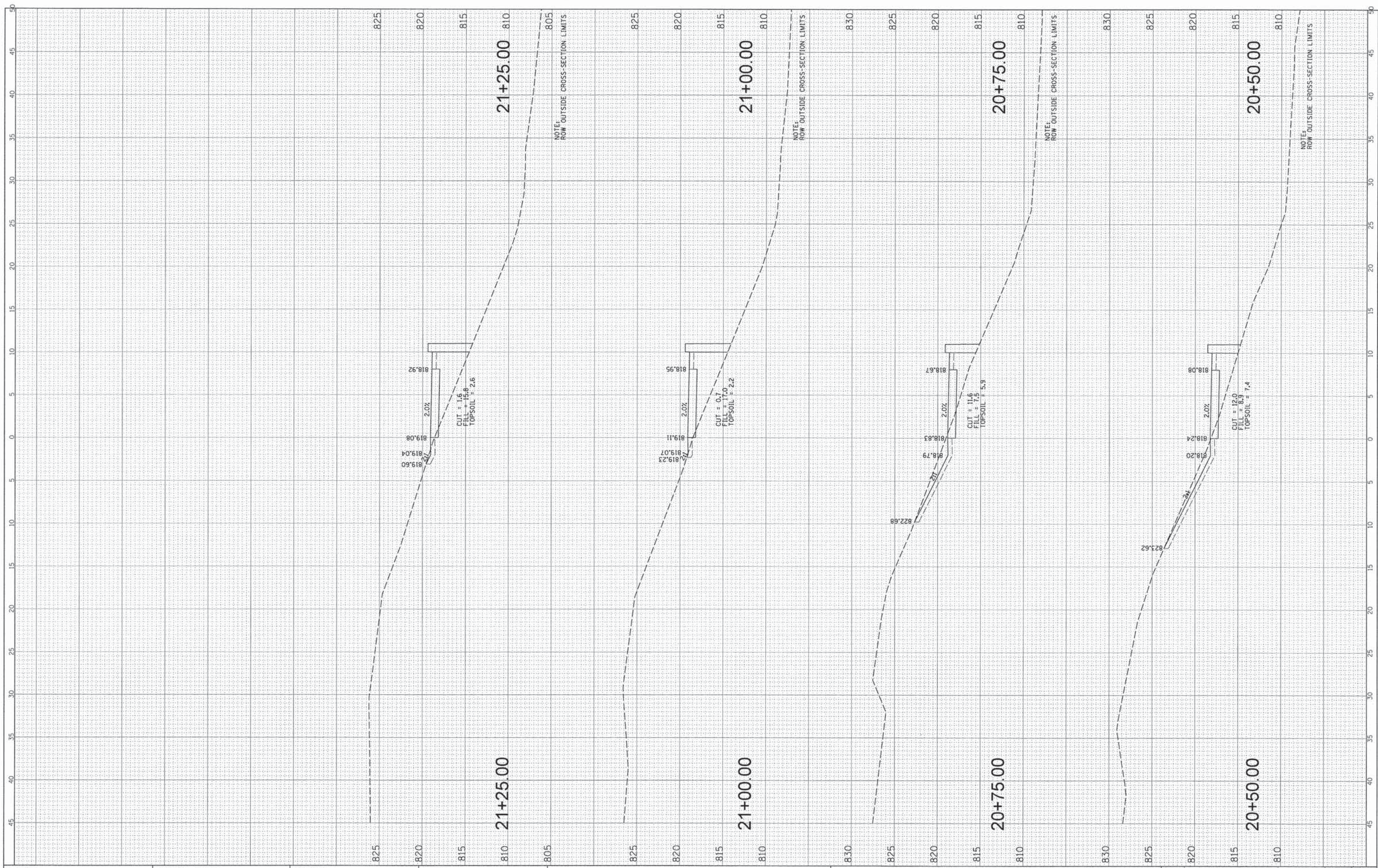
**HARPER DRIVE BIKE PATH
 STA. 19+00 - STA. 19+50**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	14-00087-00-BT	McHENRY	51	43
			CONTRACT NO. 61B80	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.			

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.			



FILE NAME = N:\ALGONDQUIN\070273\070273\00061\Civil\pks...2730061_01_AL15.5HT

USER NAME = edtoday
 PLOT SCALE = 5'
 PLOT DATE = 5/15/2015

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

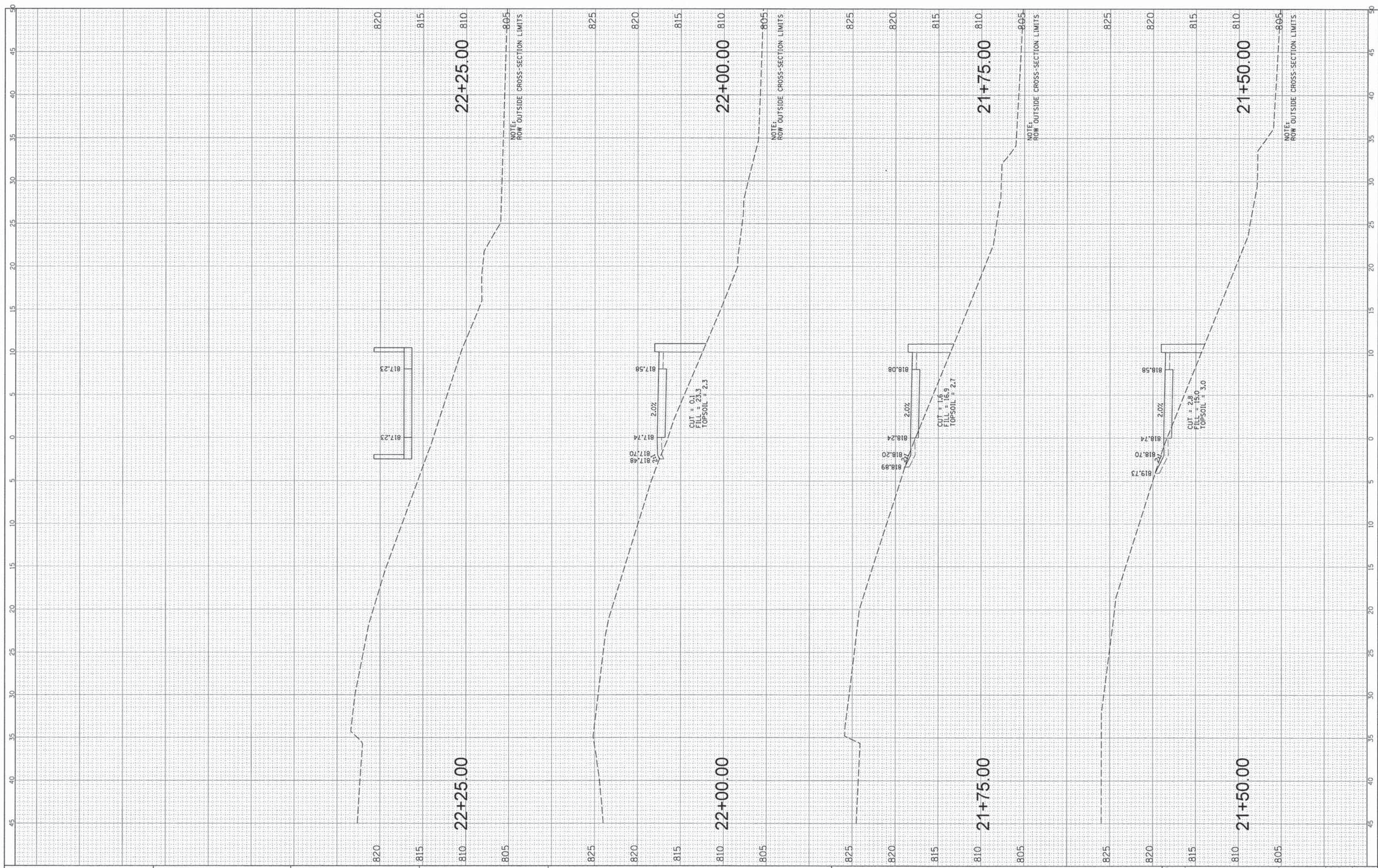
**HARPER DRIVE BIKE PATH
 STA. 20 + 50 - STA. 21 + 25**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	14-00087-00-BT	McHENRY	51	45
CONTRACT NO. 61B80				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



FILE NAME = N:\ALGONQUIN\070273\070273.00061\Civil\pss.2730061_01_AL15.SHT
 USER NAME = edtda
 PLOT SCALE = 5'
 PLOT DATE 5/15/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

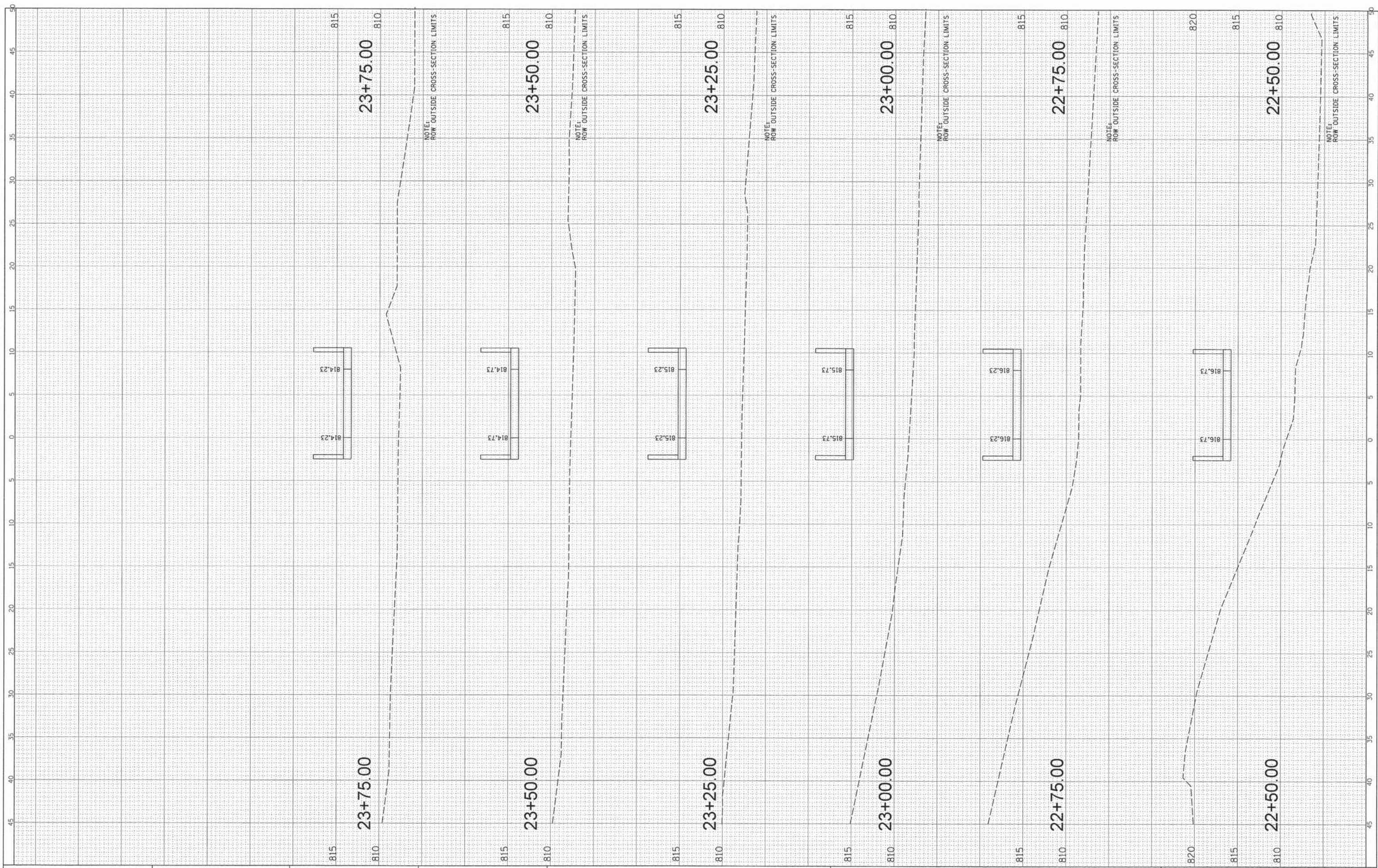
HARPER DRIVE BIKE PATH
 STA. 21 + 50 - STA. 22 + 25

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	14-00087-00-BT	MCHEMRY	51	46
CONTRACT NO. 61B80				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



FILE NAME =
 N:\ALGONQUIN\070273\070273.00061\Civil\pxs_2730061_01_AL_15.SHT

USER NAME = edstoda
 PLOT SCALE = 5'
 PLOT DATE 5/15/2015

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

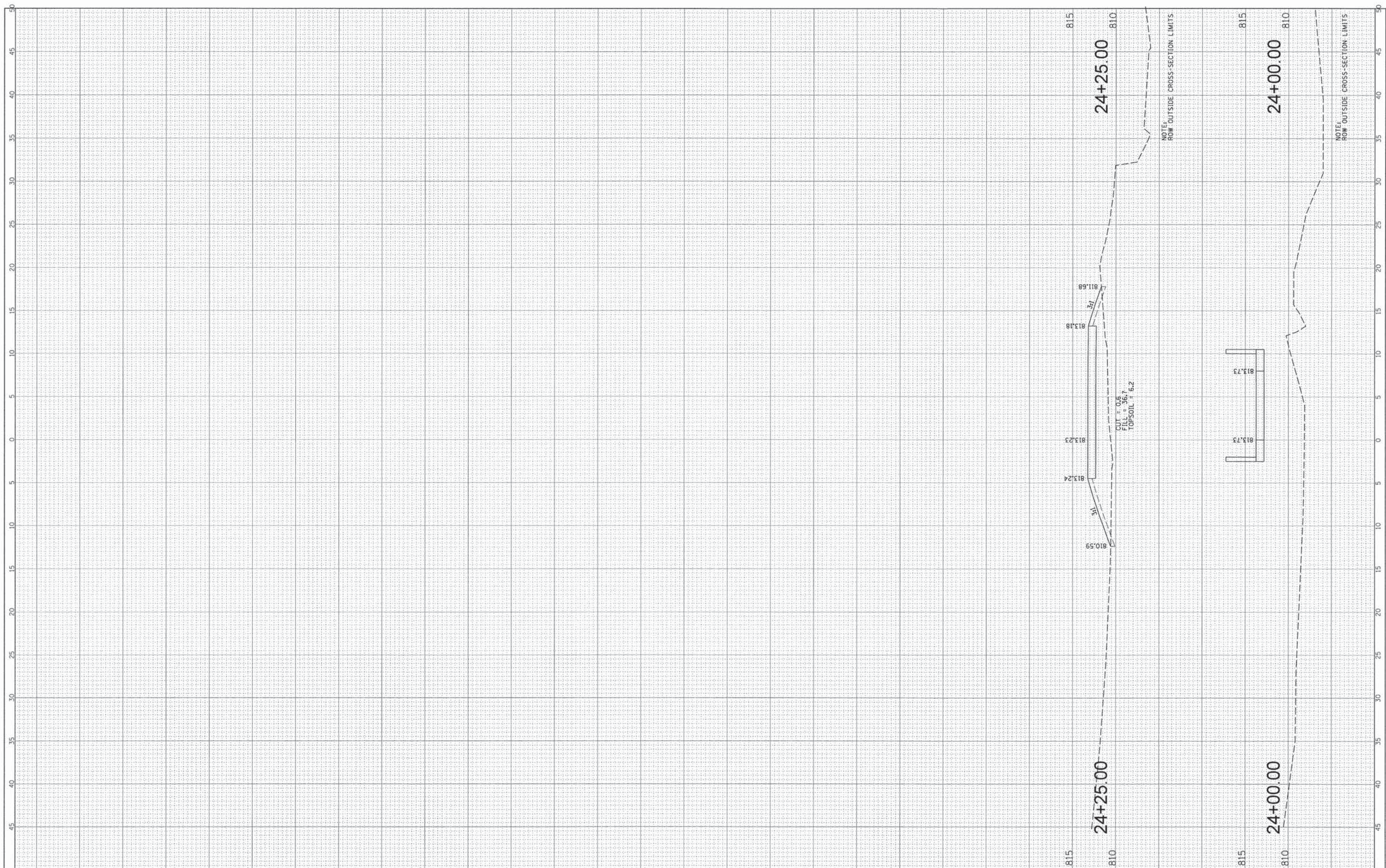
**HARPER DRIVE BIKE PATH
 STA. 22 + 50 - STA. 23 + 75**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	14-00087-00-BT	McHENRY	51	47
CONTRACT NO. 61B80				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = edtda	DESIGNED -	REVISED -
N:\ALGONDWIN\070273\070273.00061\Civil\pxs.2730061_01_AL15.5HT		DRAWN -	REVISED -
	PLOT SCALE = 5'	CHECKED -	REVISED -
Default	PLOT DATE = 5/15/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

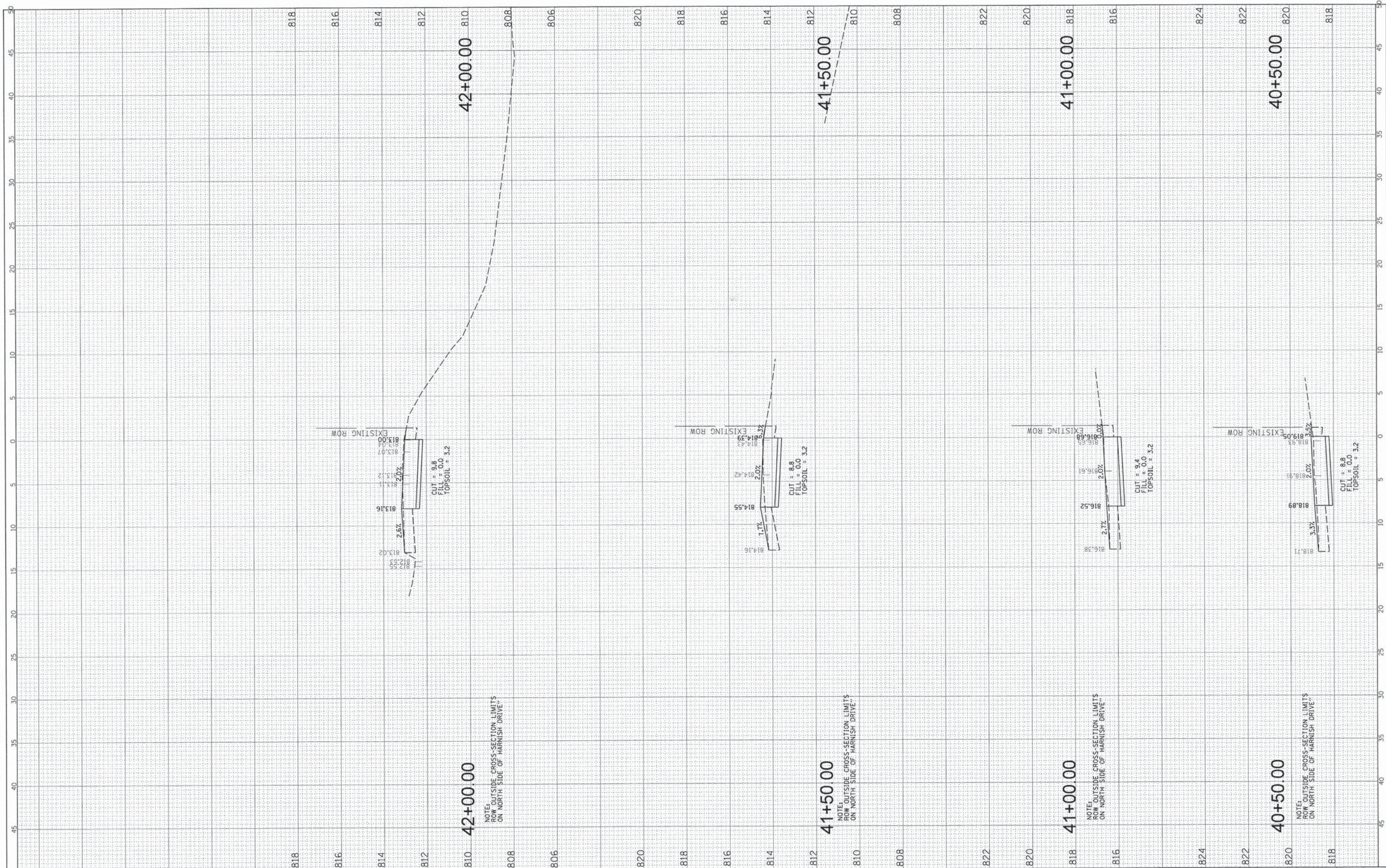
**HARPER DRIVE BIKE PATH
STA. 24 + 00 - STA. 24 + 25**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	14-00087-00-BT	MCHENRY	51	48
			CONTRACT NO. 61B80	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMP. DATE		
	NO.		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMP. DATE		
	NO.		



FILE NAME =	USER NAME = edtda
Default	861_harnish.SHT
	PLOT SCALE = 5"
	PLOT DATE = 5/15/2015

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

**HARNISH DRIVE MULTI-USE PATH
STA. 40 + 50 - STA. 42 + 00**

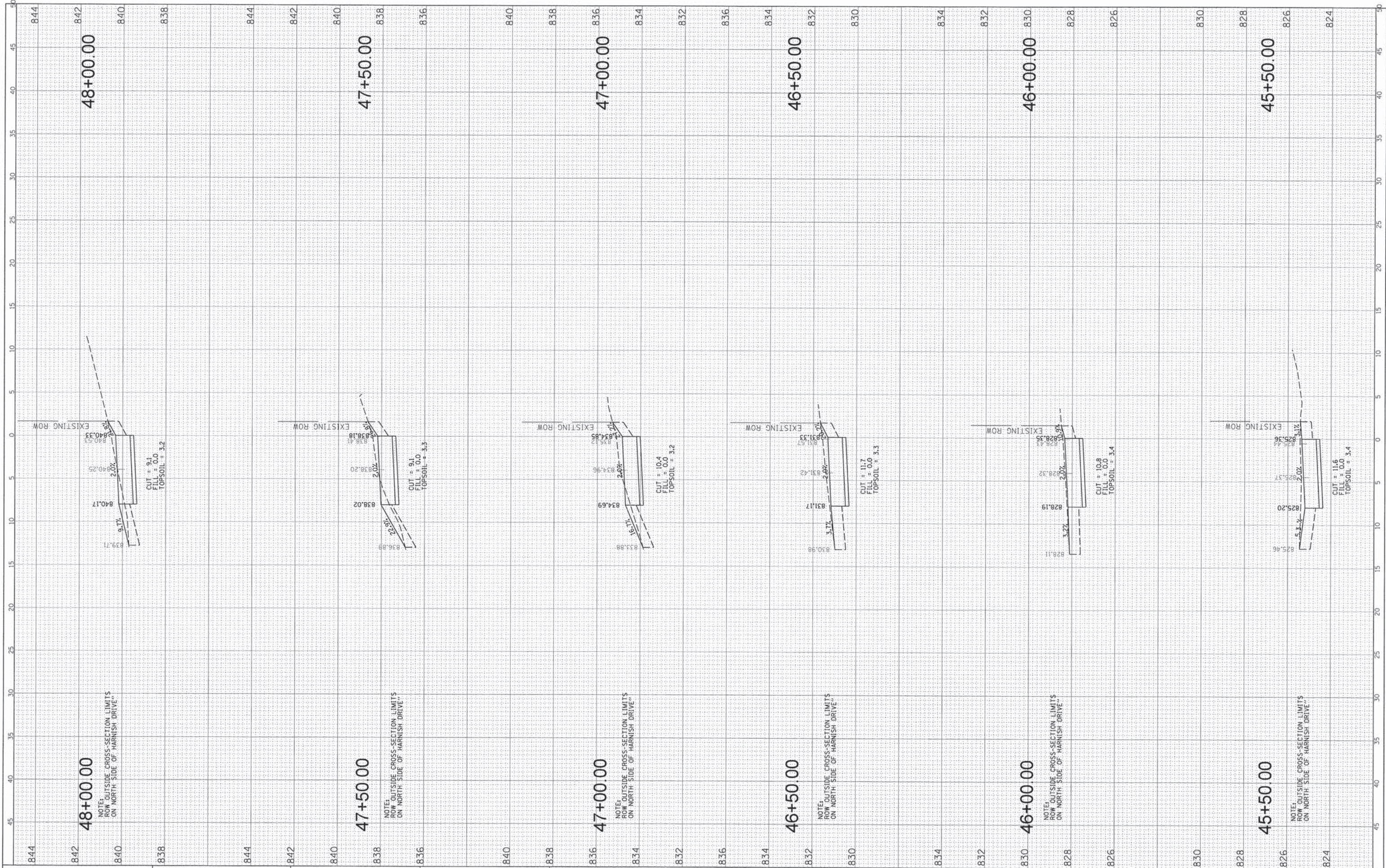
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	14-00087-00-BT	McHENRY	51	49
			CONTRACT NO. 61B80	
			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	AREAS CHECKED		

846

846



FILE NAME =	USER NAME = edtodo
N:\ALGONQUIN\070273\070273\000061\Civil\pxs_2730061_harnish.SHT	
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -
PLOT SCALE = 5'	
PLOT DATE = 5/15/2015	

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HARNISH DRIVE MULTI-USE PATH			
STA. 45 + 50 - STA. 48 + 00			
SCALE:	SHEET	OF	SHEETS
			STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	14-00087-00-BT	McHENRY	51	51
				CONTRACT NO. 61B80
ILLINOIS FED. AID PROJECT				