

093

01-18-19 LETTING ITEM 093

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.P. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3-98	16-N-1	KENDALL	75	1
		ILLINOIS	CONTRACT NO. 62B68	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROJECT IS LOCATED IN THE
VILLAGE OF OSWEGO**

TRAFFIC DATA:

US RTE 30:
2015 ADT = 17,400
SPEED LIMIT = 50 MPH

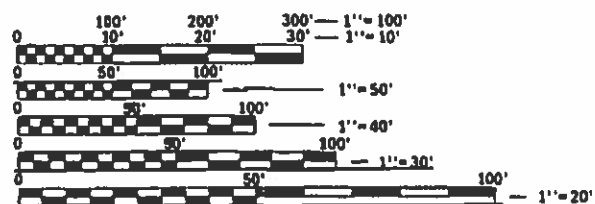
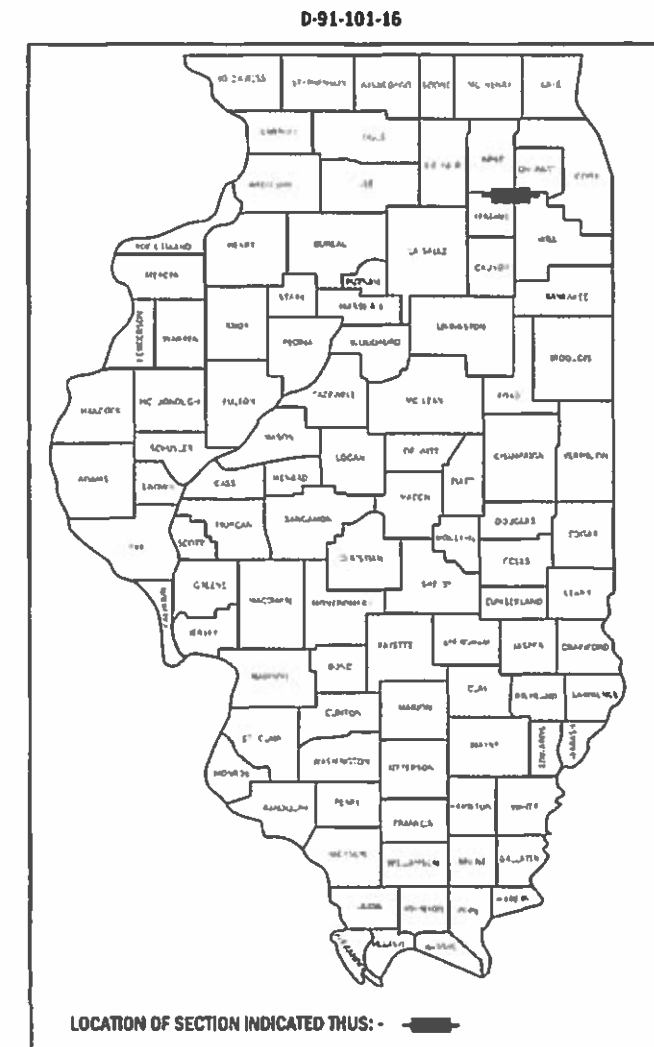
HARVEY RD:
2015 ADT = 4,550
SPEED LIMIT = 45 MPH

TREASURE DR /GASTVILLE ST:
2015 ADT = 150
SPEED LIMIT = 30 MPH

PROPOSED HIGHWAY PLANS

**FAP ROUTE 349 : U.S. ROUTE 30
AT HARVEY RD & TREASURE DR/GASTVILLE ST
SECTION 16-N-1
PROJECT NHPP-NHN4(655)
REALIGNMENT, WIDENING, AND TRAFFIC
SIGNAL INSTALLATION
KENDALL COUNTY**

C-91-101-16

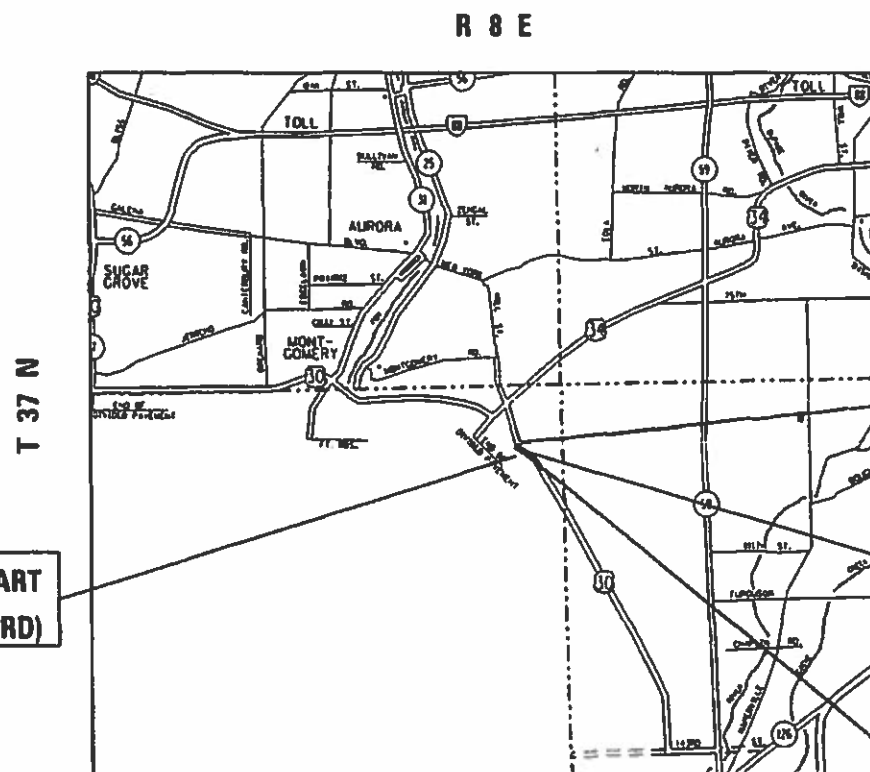


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER JEAN A. MIDY (847)221-3056
PROJECT MANAGER FAWAD AQUEEL (847)705-4247

CONTRACT NO. 62B68



**PROJECT START
STA 59+88.7 (HARVEY RD)**

**PROJECT START
STA 114+34.5 (US-30)
STA 65+64.5 (HARVEY RD)**

**OMISSION
STA 117+00
STA 135+50**

**PROJECT END
STA 138+19.9**

GROSS LENGTH = 2,385 FT. = 0.452 MILE
NET LENGTH = 470 FT. = 0.089 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *December 16, 2018*

Anthony J. Quigley REGIONAL ENGINEER

Dec 7 2018

Paul J. [Signature] ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7 2018

[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

LIST OF STATE STANDARDS:

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-07	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEM
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET TYPE A
604001-04	FRAME AND LIDS TYPE 1
604036-03	FRAME AND LIDS TYPE 8
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24'' (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING OPERATIONS FOR SPEED >= 45 MPH
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS > 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-07	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16 FEET THROUGH 55 FEET
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
4	SUMMARY OF QUANTITIES
10	EXISTING AND PROPOSED TYPICAL SECTIONS
14	ALIGNMENT, TIES, AND BENCHMARKS
17	PROPOSED ROADWAY PLAN AND PROFILE
22	EARTHWORK BALANCE
24	PLAT OF HIGHWAYS
27	MAINTENANCE OF TRAFFIC PLAN
28	EROSION CONTROL PLAN
30	DRAINAGE AND UTILITIES PLAN
33	LANDSCAPE PLAN
34	TRAFFIC SIGNAL STANDARDS
42	TRAFFIC SIGNAL PLANS
45	RETAINING WALL PLANS
49	DRIVEWAY DETAILS - ROW DISTANCE > 15' (BD-01)
50	DRIVEWAY DETAILS - ROW DISTANCE < 15' (BD-02)
51	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER (BD-7)
52	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
53	BUTT JOINT AND HMA TAPER DETAILS BD-32
54	BENCHING DETAIL FOR EMBANKMENT WIDENING (BD-51)
55	TRAFFIC CONTROL AND PROTECTION OF SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
56	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (TC-11)
57	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
58	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
59	ARTERIAL ROAD INFORMATION SIGN (TC-22)
60	DRIVEWAY ENTRANCE SIGNING (TC-26)
61	CROSS SECTIONS

FILE NAME =	USER NAME = ldezmarm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS STANDARDS, AND GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122213\Drawings\Design\P122213-sht-gennote.dgn	DRAWN	REVISOR	REVISION			349		KENDALL	75	2	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISOR	REVISION			CONTRACT NO. 62B68					
Default	PLOT DATE = 10/18/2018	DATE -	REVISION -			SCALE:	SHEET	OF	SHEETS	STA.	TO
ILLINOIS FED. AID PROJECT											

GENERAL NOTES:

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND HILL COUNTY AND THE VILLAGE OF NEW LENOX AND THE CITY OF JOLIET.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
5. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
6. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h), WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H)
7. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
8. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
9. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
10. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
11. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE PROJECT LIMITS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
12. THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES
13. THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD TECHNICIAN, MR. DON CHIARUGI, AT DON.CHIARUGI@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS
14. PAVEMENT MARKING TAPE TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
15. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE BRANCHES, ROOT SYSTEM, OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
16. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
17. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
18. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF BURIED STRUCTURES ACCORDING TO THE STATION OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT, UPON COMPLETION OF THE WORK. THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
19. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
20. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
21. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
22. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES.
23. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACE SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC, SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS 250 AND 252 RESPECTIVELY.
24. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK, IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITY FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS SHALL BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATIONS OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
25. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
26. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROBERS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE / WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION EILL BE ALLOWED.
27. THE INSTALLATION AND CONNECTION OF A PROPOSED STRUCTURE (CATCH BASIN/MANHOLE/INLET) OVER AN EXISTING STORM SEWER AND/OR A PROPOSED STORM SEWER CONNECTION TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.
28. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TRESS IS OF UTMOST IMPORTANCE TO THE VILLAGE OF OSWEGO. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
29. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
30. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOB SITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTIONS ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

FILE NAME =	USER NAME = ldezmar	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS STANDARDS, AND GENERAL NOTES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\PI2223\Drawings\Design\PI22213-shr-genote.dgn		DRAWN	REVISED -		349		KENDALL	75	3				
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		CONTRACT NO. 62B68								
	PLOT DATE = 10/18/2018	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	45	45					
20101000	TEMPORARY FENCE	FOOT	436	385	51				
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	4	4					
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	6	6					
20101700	SUPPLEMENTAL WATERING	UNIT	35	20	15				
20200100	EARTH EXCAVATION	CU YD	621	363	258				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	307	193	114				
20400800	FURNISHED EXCAVATION	CU YD	471	471					
20800150	TRENCH BACKFILL	CU YD	18		18				
20900110	POROUS GRANULAR BACKFILL	CU YD	130	130					
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	1724	1050	674				
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2390	2057	333				
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	44	40	4				
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	44	40	4				
25000750	MOWING	ACRE	5	4	1				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE		
25100630	EROSION CONTROL BLANKET	SO YD	3604	3261	343				
* 25200110	SODDING, SALT TOLERANT	SO YD	3604	3261	343				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	74	67	7				
28000400	PERIMETER EROSION BARRIER	FOOT	1181	501	680				
28000500	INLET AND PIPE PROTECTION	EACH	17	6	11				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	313	191	122				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	1253	763	490				
35501305	HOT-MIX ASPHALT BASE COURSE, 5 1/4"	SO YD	664	664					
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	266	212	54				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	181	181					
35501318	HOT-MIX ASPHALT BASE COURSE, 8 1/2"	SO YD	50		50				
35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SO YD	176		176				
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SO YD	166		166				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2961	448	2513				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5		5				

FILE NAME =	USER NAME = iede2marm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR/GASTVILLE ST SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\NLO\B4EBID\INT\EG\Illinois.gov\FWIDOT\Documents\DOT	Offices\District\NProjects\PI22213\CADData\Design\PI22213	DRAWN -	REVISED -			349	16-N-1	KENDALL	75	4	
		CHECKED -	REVISED -			CONTRACT NO. 62B68					
		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

* SPECIALTY ITEM

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE		
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	138		138				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	251	11	240				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	124	118	6				
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	327		327				
42000311	PORTLAND CEMENT CONCRETE PAVEMENT 8 1/2" (JOINTED)	SO YD	91		91				
42001300	PROTECTIVE COAT	SO YD	145	54	91				
44000100	PAVEMENT REMOVAL	SO YD	868	868					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	3297		3297				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	244	172	72				
44003100	MEDIAN REMOVAL	SO FT	1272		1272				
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SO YD	16		16				
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	829		829				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	103	103					

URBAN

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	0004 HARVEY RD 80% FED 20% ST		0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE			
50200100	STRUCTURE EXCAVATION	CU YD	100	100						
50300225	CONCRETE STRUCTURES	CU YD	42	42						
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3748	3748						
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1						
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	409	34	375					
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	57	57						
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	21		21					
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	400		400					
60200105	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		1					
60200805	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 8 GRATE	EACH	1	1						
60203805	CATCH BASINS, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1		1					
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1		1					
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1						

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CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE	CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	245	245				70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	47	47			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	125	33	92			70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	132	132			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	1	1			70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1329	41	1288		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1				* 72000100	SIGN PANEL - TYPE 1	SQ FT	26	26			
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	2	1	1			* 72000200	SIGN PANEL - TYPE 2	SQ FT	68		68		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1				* 72500400	OBJECT MARKER - TYPE 4	EACH	2	2			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	3	3			* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	3	3			
67100100	MOBILIZATION	LSUM	1	0.5	0.5			* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	3	3			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2659	83	2576			* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	161	161			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	467	28	439			* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3065	415	2650		
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	182		182			* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1694		1694		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4206	415	3791			* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	27		27		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	182		182			* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	132		132		

* SPECIALTY ITEM

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SO FT	21	21			
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1140	1140			
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	197	197			
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	20	20			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	42	42			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	45	45			
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	591		591		
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	123		123		
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	296		296		
* 81400100	HANDHOLE	EACH	2		2		
* 81400200	HEAVY-DUTY HANDHOLE	EACH	6		6		
* 81400300	DOUBLE HANDHOLE	EACH	1		1		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	471		471		
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	977		977		
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1458		1458		
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1041		1041		
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	46		46		
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1066		1066		
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4		
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1		1		
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1		1		
* 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2		2		

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR/GASTVILLE ST
SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B68	

* SPECIALTY ITEM

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE
* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1			1	
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20			20	
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4	
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10			10	
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	35			35	
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4			4	
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1			1	
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4			4	
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4			4	
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8			8	
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	4			4	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	315			315	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE
* 88700200	LIGHT DETECTOR	EACH	2				2
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	2				2
* B2005468	TREE, PRUNUS VIRGINIANA SCHUBERT (CANADA RED CHOKE CHERRY), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	7	7			
* B2006320	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6			
K1005863	TREE ROOT PRUNING	EACH	8	8			
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	471				471
* X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1			1	
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1	
* X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2			2	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	3	2	1		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5		

* SPECIALTY ITEM

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	95	95					
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	77.1	25.7	51.4				
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			1			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	77.1	25.7	51.4				
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	76	76					
Z0064800	SELECTIVE CLEARING	UNIT	5	5					
* B2010021	TREE, AMELANCHIER GRANDIFLORA PRINCESS DIANA (PRINCESS DIANA APPLE SERVICEBERRY), 5' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	11	11					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0004 HARVEY RD 80% FED 20% ST	0004 TREASURE DR 80% FED 20% ST	0021 80% FED 10% ST 5% VILL 5% TWNSH	0021 100% VILLAGE		

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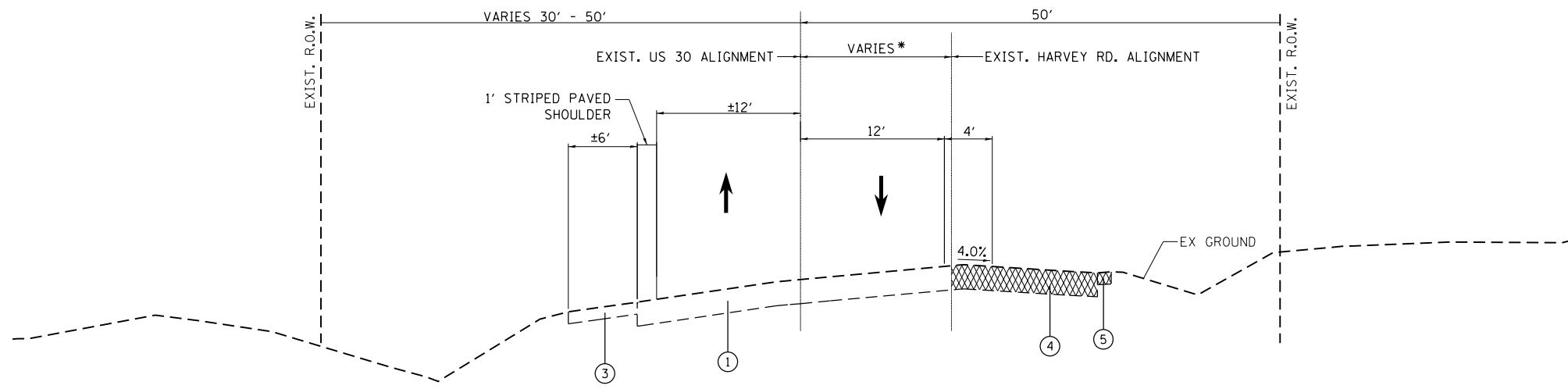
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR/GASTVILLE ST
SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	9
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B68	

* SPECIALTY ITEM

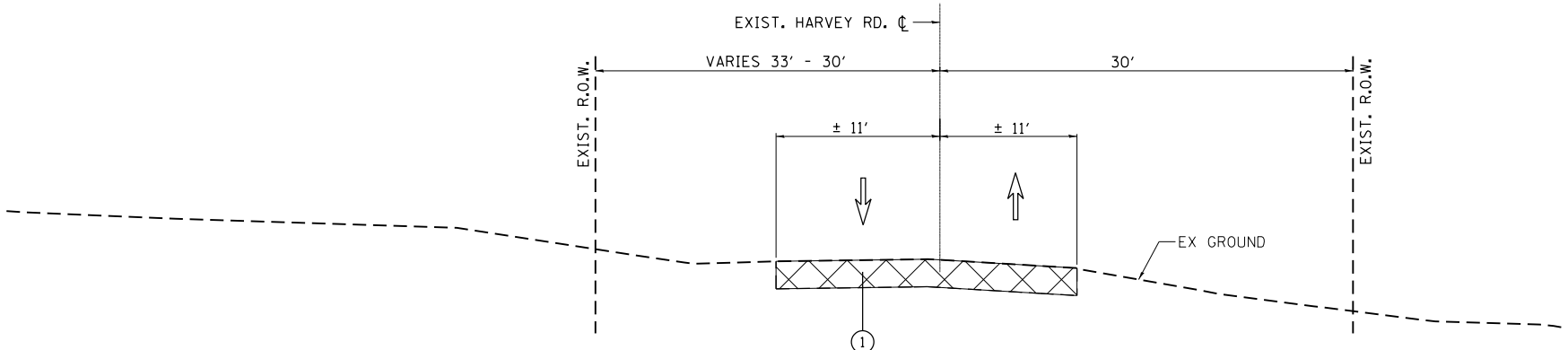
SCALE: SHEET NO. OF SHEETS STA. TO STA.



HARVEY ROAD ALIGNMENT BEGINS AT *
US ROUTE 30 STA. 113+56.04 =
HARVEY RD. STA. 66+44.42

EXISTING US ROUTE 30
STA. 114+34.45 TO STA. 119+60.00

- ① EX PAVEMENT
- ② EX AGGREGATE SHOULDER
- ③ EXISTING SHOULDER TO REMAIN
- ④ EXISTING PAVEMENT TO BE REMOVED
- ⑤ EXISTING SHOULDER TO BE REMOVED



EXISTING HARVEY ROAD
STA. 59+88.66 TO STA. 65+64.45

- ① EX PAVEMENT (TO BE REMOVED)

NOTE: PATCHING TO BE DONE AFTER MILLING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (OMP)
MIXTURE TYPE	AIR VOIDS (%) @ NDES	

US-30, TREASURE DR. & GASTVILLE RD. RESURFACING & WIDENING:

POLY. HMA SURFACE COURSE MIX "E", N70, 1 3/4" (IL-9.5mm)	4% @ 70 GYR.	QC/OA
LEVELING BINDER (MM) IL-9.5mm, N70, 3/4"	4% @ 70 GYR.	QC/OA
HMA BASE CSE. WIDENING (HMA BINDER IL-19.0), 10" FOR WIDTHS LESS THAN OR EQUAL TO 6 FT	4% @ 70 GYR.	QC/OA
HMA BASE CSE. (HMA BINDER IL-19.0), 10" FOR WIDTHS GREATER THAN 6 FT	4% @ 70 GYR.	QC/OA

US-30 NEAR HARVEY RD (HMA SHOULDER 8")

HMA SURFACE COURSE MIX "D", N50, 2" (IL-9.5mm)	4% @ 50 GYR.	QC/OA
HMA BASE CSE. (HMA BINDER IL-19.0), 6"	4% @ 50 GYR.	QC/OA

TREASURE DR WIDENING AT EXIST MEDIAN

POLY. HMA SURFACE COURSE MIX "E", N70, 1 3/4" (IL-9.5mm)	4% @ 70 GYR.	QC/OA
LEVELING BINDER (MM) IL-9.5mm, N70, 3/4"	4% @ 70 GYR.	QC/OA
HMA BASE CSE. (HMA BINDER IL-19.0), 8 1/2"	4% @ 70 GYR.	QC/OA

HARVEY RD CUL-DE-SAC

HMA SURFACE COURSE MIX "D", N50, 2" (IL-9.5mm)	4% @ 50 GYR.	QC/OA
HMA BASE CSE. (HMA BINDER IL-19.0), 5 1/4"	4% @ 50 GYR.	QC/OA

PRIVATE & COMMERCIAL ENTRANCES

HMA SURFACE COURSE MIX "D", N50, 2" (IL-9.5mm)	4% @ 50 GYR.	QC/OA
P.E. HMA BASE CSE. (HMA BINDER IL-19.0), 6"	4% @ 50 GYR.	QC/OA
C.E. HMA BASE CSE. (HMA BINDER IL-19.0), 8"	4% @ 50 GYR.	QC/OA

HOT-MIX ASPHALT PATCHING

CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	QC/OA
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OMP DESIGNATION QUALITY CONTROL/QUALITY ASSURANCE (QC/OA)
QUALITY CONTROL FOR PERFORMANCE (QCP)

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 POUND PER SQUARE YARD-INCH

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS / SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

"FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS".

QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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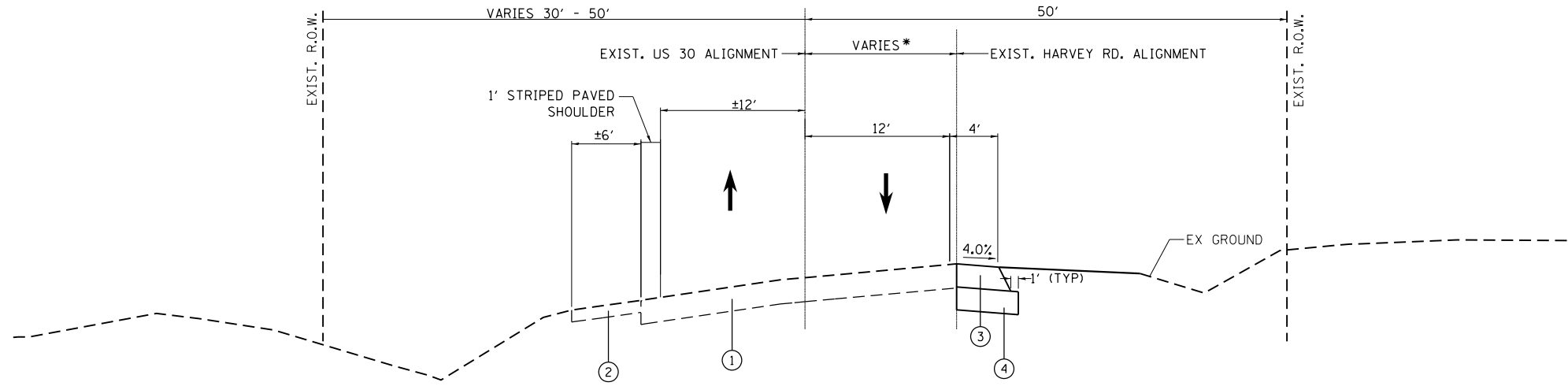
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
U.S. ROUTE 30 AT HARVEY RD. & AT TREASURE DR./GASTVILLE ST.**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	10
CONTRACT NO. 62B68				

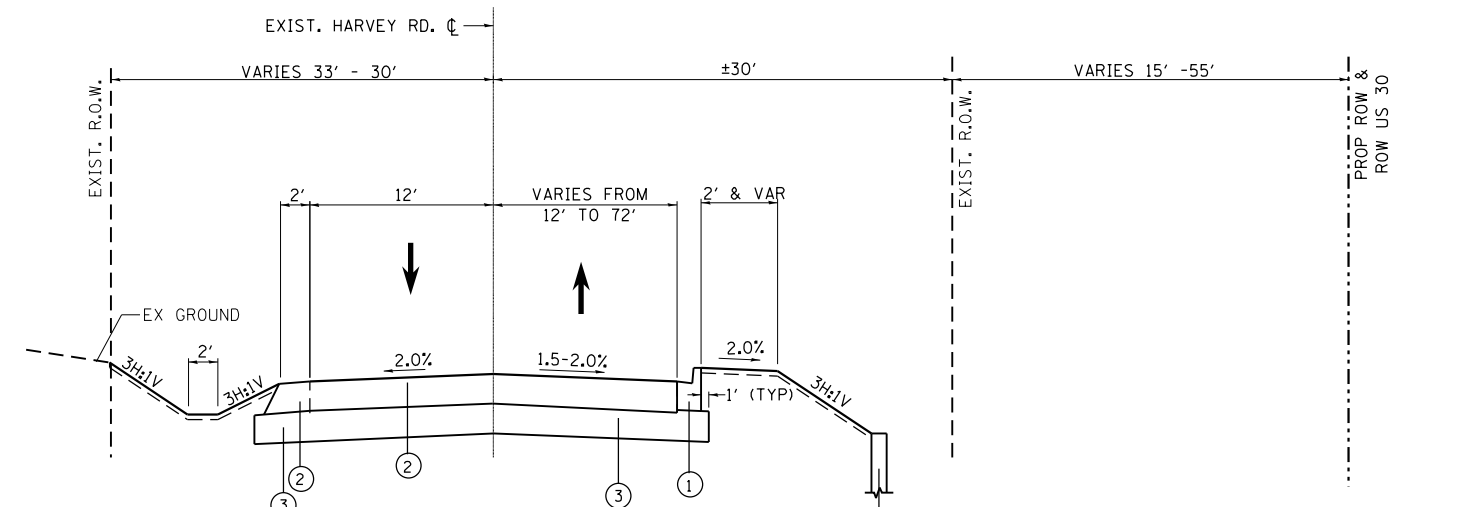
ILLINOIS FED. AID PROJECT



HARVEY ROAD ALIGNMENT BEGINS AT*
 US ROUTE 30 STA. 113+56.04 =
 HARVEY RD. STA. 66+44.42

PROPOSED US ROUTE 30
 STA. 114+34.45 TO STA 119+60.00

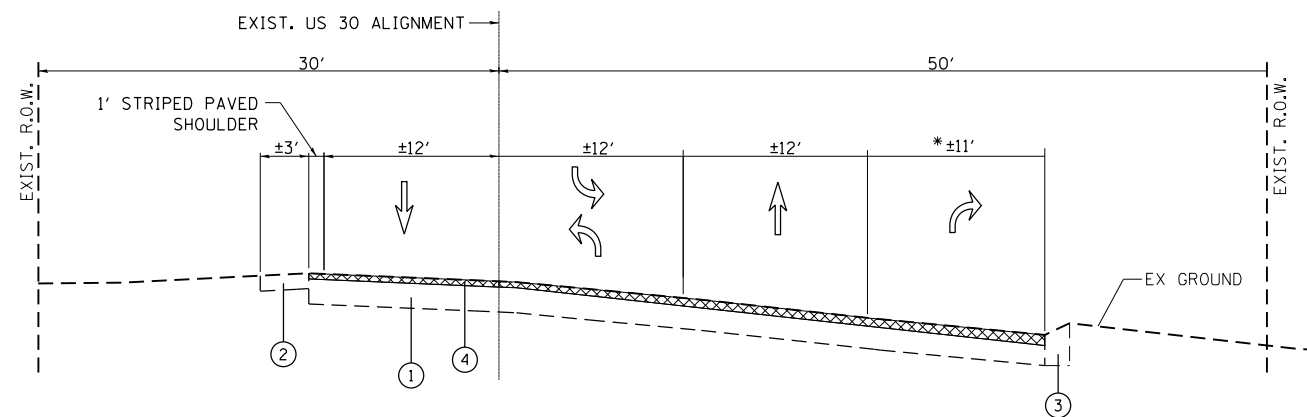
- ① EXISTING PAVEMENT TO REMAIN
- ② EXISTING AGGREGATE SHOULDER TO REMAIN
- ③ HMA SHOULDER, 8"
- ④ AGGREGATE SUBGRADE IMPROVEMENT, 12"



PROPOSED HARVEY ROAD
 STA. 59+88.66 TO STA. 60+99.43

- ① B-6.12 PCC CURB & GUTTER
- ② 2" HMA SURFACE COURSE, MIX "D", N50
5/4" HMA BASE COURSE
- ③ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ RETAINING WALL
- ⑤ EXISTING US ROUTE 30 DITCH LINE

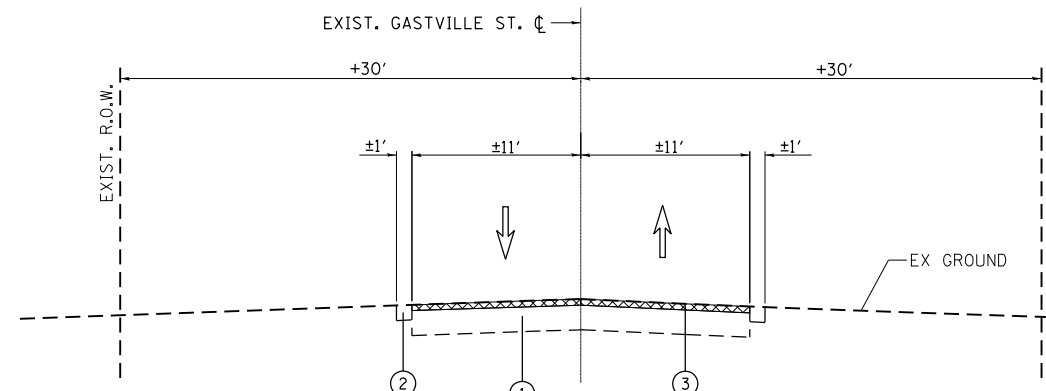
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Default		DATE -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62B68	
												ILLINOIS FED. AID PROJECT	



EXISTING US ROUTE 30
STA. 136+29.72 TO STA. 138+19.91

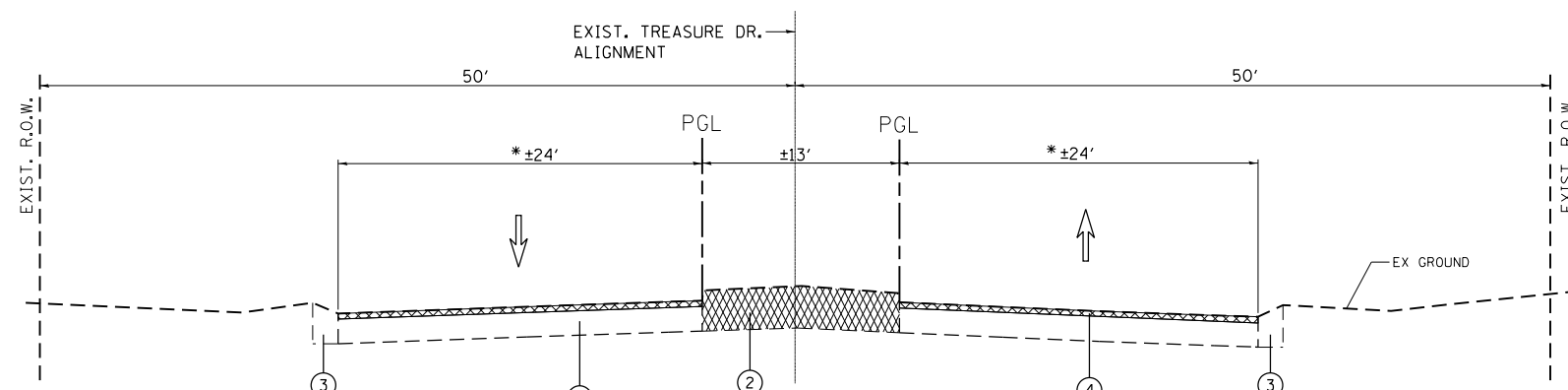
*RIGHT TURN LANE ON NORTH LEG OF US 30 ONLY

- ① EX PAVEMENT
- ② EX AGGREGATE SHOULDER
- ③ EX B-6.24 CURB & GUTTER
- ④ HMA SURFACE REMOVAL, 2 1/2"



EXISTING GASTVILLE STREET
STA. 300+18.97 TO STA. 301+41.92

- ① EX PAVEMENT
- ② EX AGGREGATE/TURF STABILIZED SHOULDER
- ③ HMA SURFACE REMOVAL, 2 1/2"



EXISTING TREASURE DRIVE
STA. 87+00.00 TO STA. 90+92.49

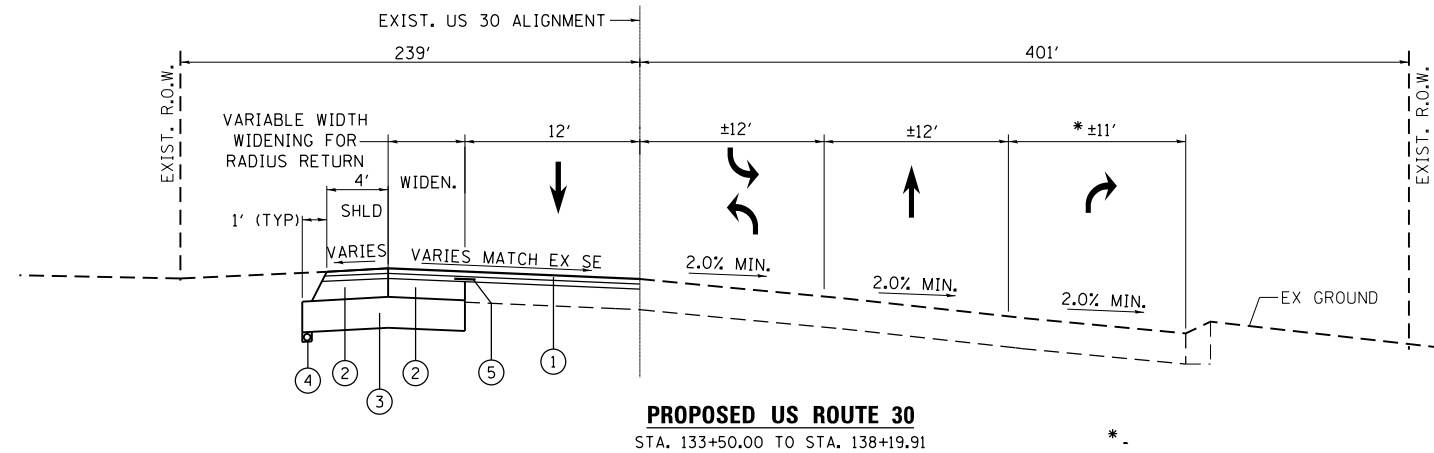
- ① EX PAVEMENT
- ② REMOVE EX BARRIER MEDIAN
- ③ EX B-6.24 CURB & GUTTER
- ④ HMA SURFACE REMOVAL, 2 1/2"

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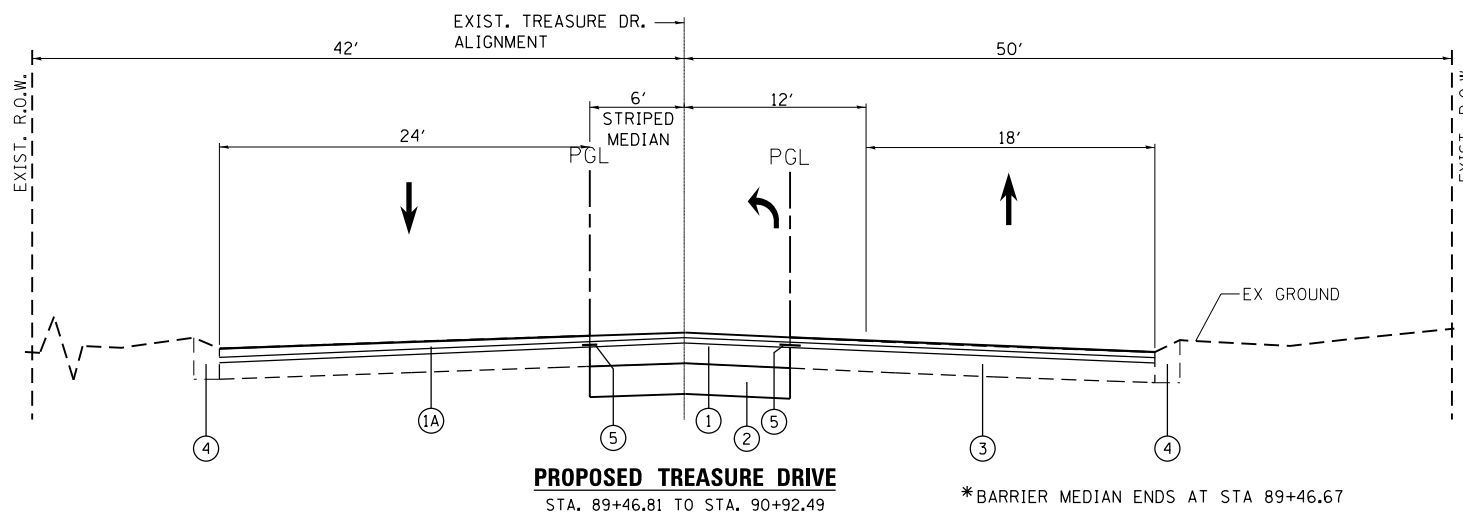
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
U.S. ROUTE 30 AT HARVEY RD. & AT TREASURE DR./GASTVILLE ST.			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

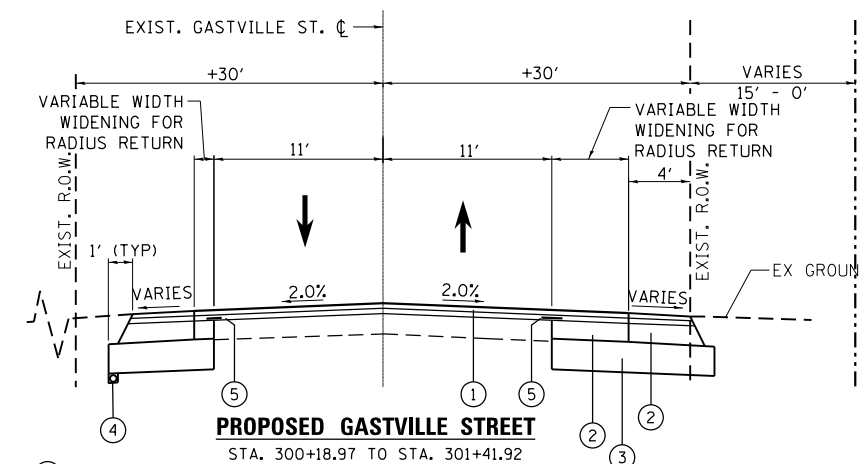
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	12
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				



- ① 1 3/4" POLYMERIZED HMA SURFACE COURSE, MIX "E", N70
3/4" LEVELING BINDER (MACHINE METHOD), IL-4.75, N70
- ② 1 3/4" POLYMERIZED HMA SURFACE COURSE, MIX "E", N70
3/4" LEVELING BINDER (MACHINE METHOD), IL-4.75, N70
10" HMA BASE COURSE
- ③ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ PIPE UNDERDRAIN, 4"
- ⑤ STRIP REFLECTIVE CRACK CONTROL TREATMENT

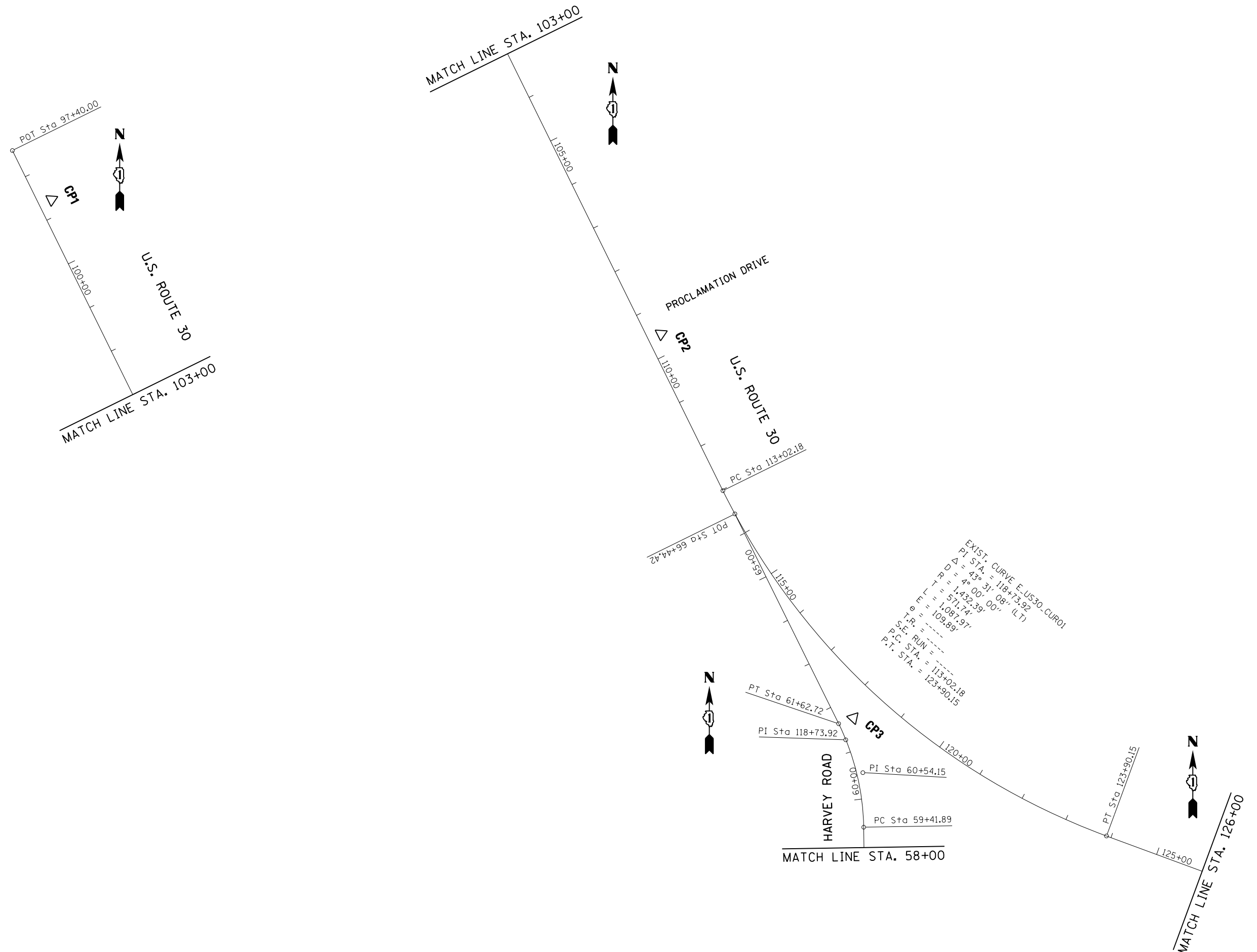


- ① STA 90+10.90 TO STA 92+92.49
1 3/4" POLYMERIZED HMA SURFACE COURSE, MIX "E", N70
3/4" LEVELING BINDER (MACHINE METHOD), IL-4.75, N70
8 1/2" HMA BASE COURSE
- ② AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ EXISTING PAVEMENT
- ④ EX B-6.24 CURB & GUTTER
- ⑤ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ①A HMA RESURFACING STA 90+10.90 TO STA 92+92.49
1 3/4" POLYMERIZED HMA SURFACE COURSE, MIX "E", N70
3/4" LEVELING BINDER (MACHINE METHOD) IL-4.75, N70



- ① HMA RESURFACING
1 3/4" POLYMERIZED HMA SURFACE COURSE, MIX "E", N70
3/4" LEVELING BINDER (MACHINE METHOD), IL-4.75, N70
- ② 1 3/4" POLYMERIZED HMA SURFACE COURSE, MIX "E", N70
3/4" LEVELING BINDER (MACHINE METHOD), IL-4.75, N70
8 1/2" HMA BASE COURSE, IL-19.0, N70
- ③ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ PIPE UNDERDRAIN, 4"
- ⑤ STRIP REFLECTIVE CRACK CONTROL TREATMENT

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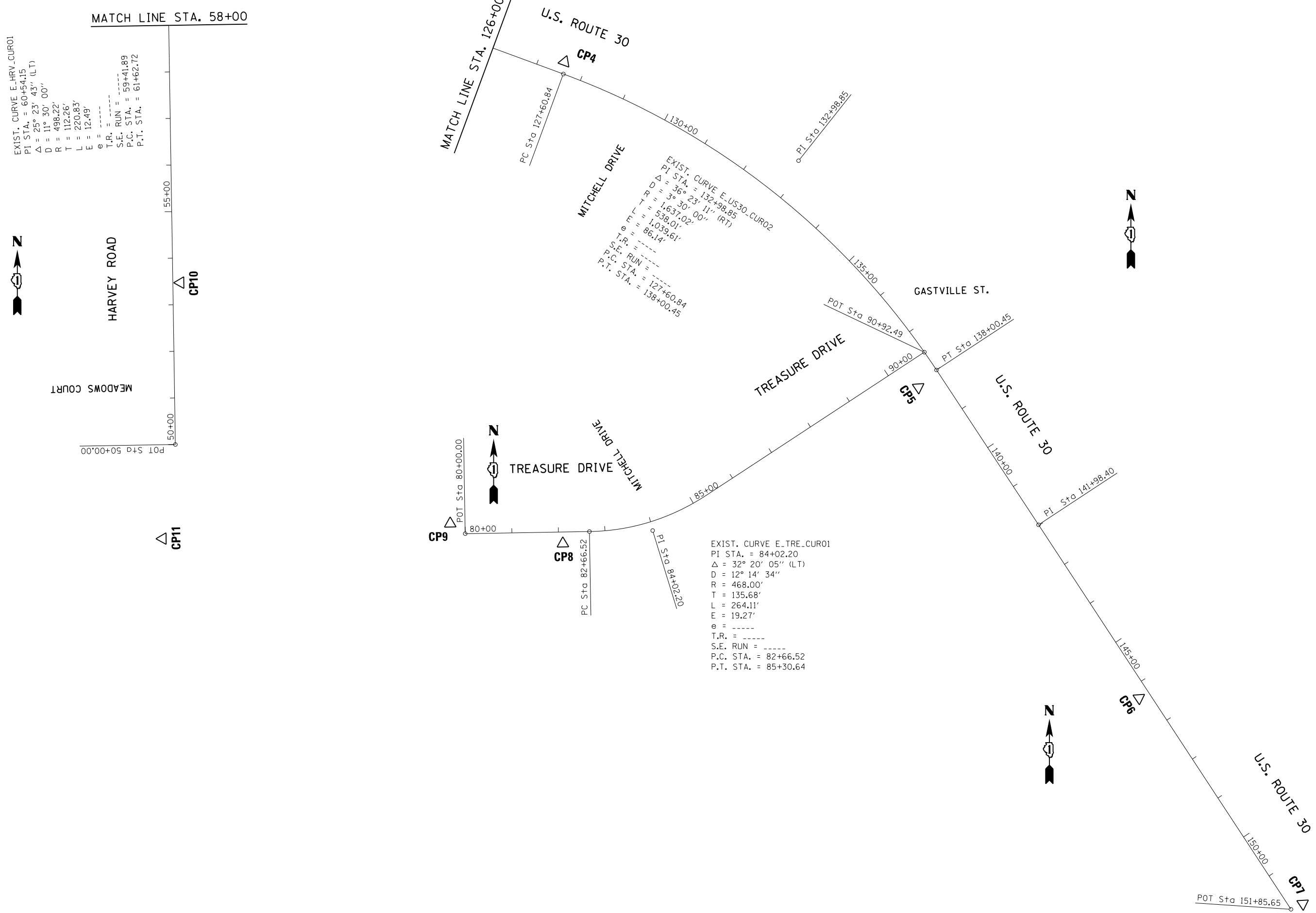
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENTS, TIES AND BENCHMARKS
 U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR./GASTVILLE ST.**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	14
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 100' SHEET OF SHEETS STA. TO STA.



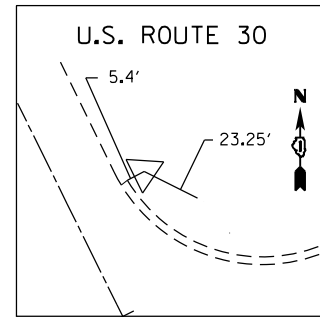
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	PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENTS, TIES AND BENCHMARKS
U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR./GASTVILLE ST.**

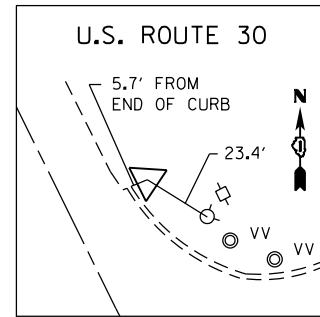
SCALE: 1" = 100' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	15
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				



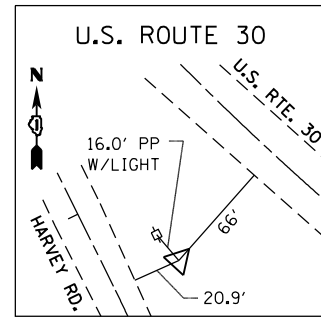
CONTROL POINT 1

SET REBAR
 STA. 98+66.09, 27.79 LT
 N=1838503.9500
 E=999098.4190
 ELEV.=704.4300



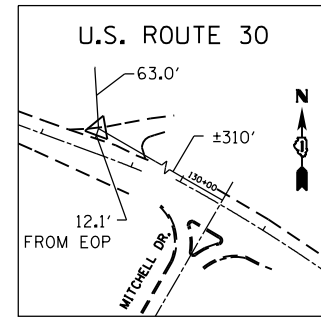
CONTROL POINT 2

SET REBAR
 STA. 109+56.61, 28.37 LT
 N=1837526.0520
 E=999581.0850
 ELEV.=699.4880



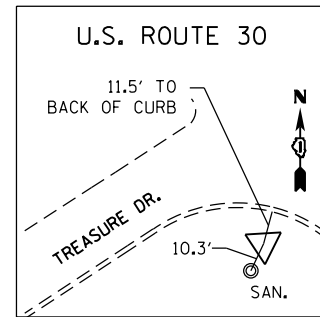
CONTROL POINT 3

SET REBAR
 STA. 118+28.33, 66.00 RT
 N=1836735.9100
 E=999976.7870
 ELEV.=715.2140



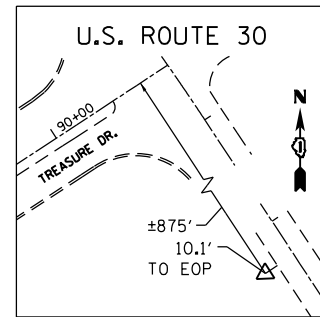
CONTROL POINT 4

SET PK NAIL
 STA. 127+54.35, 25.21 LT
 N=1836390.5660
 E=1000848.0590
 ELEV.=696.7910



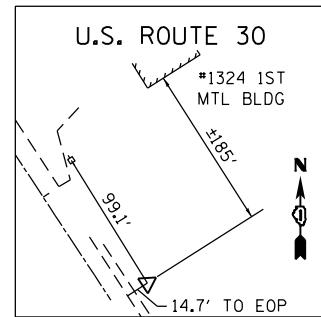
CONTROL POINT 5

SET REBAR
 STA. 138+10.11, 52.97 RT
 N=1835692.0160
 E=1001607.2360
 ELEV.=698.6310



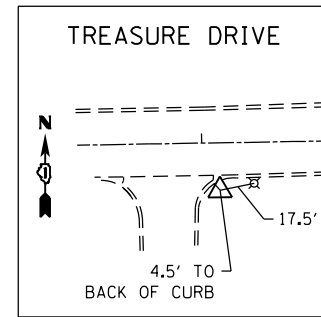
CONTROL POINT 6

SET REBAR
 STA. 146+27.75, 23.82 RT
 N=1835692.0160
 E=1001607.2360
 ELEV.=698.6310



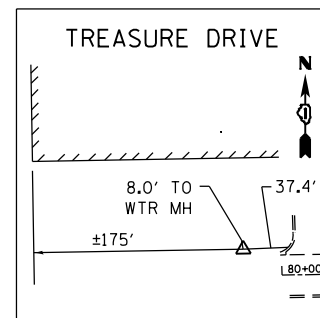
CONTROL POINT 7

SET REBAR
 STA. 151+85.64, 0.00
 N=1,834,583.4160
 E=1,002,432.1340
 ELEV.=708.5080



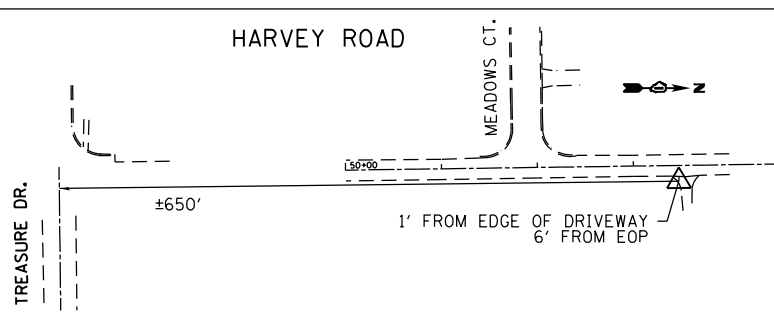
CONTROL POINT 8

SET REBAR
 STA. 82+09.12, 24.78 RT
 N=1835356.5980
 E=1000844.4740
 ELEV.=703.2050



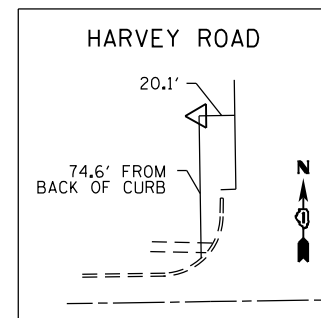
CONTROL POINT 9

SET REBAR
 STA. OFF CHAIN
 N=1835399.3780
 E=1000602.6670
 ELEV.=705.2590



CONTROL POINT 10

SET PK NAIL
 STA. 53+47.23, 16.31 RT
 N=1835916.6810
 E=1000023.8380
 ELEV.=723.8920

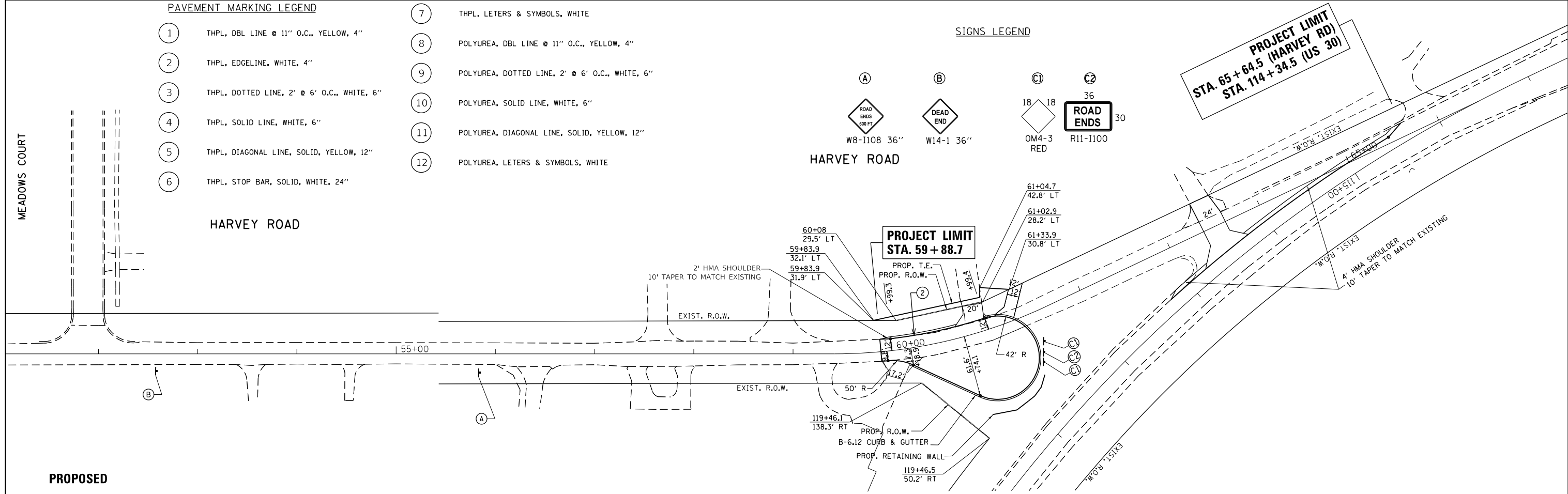
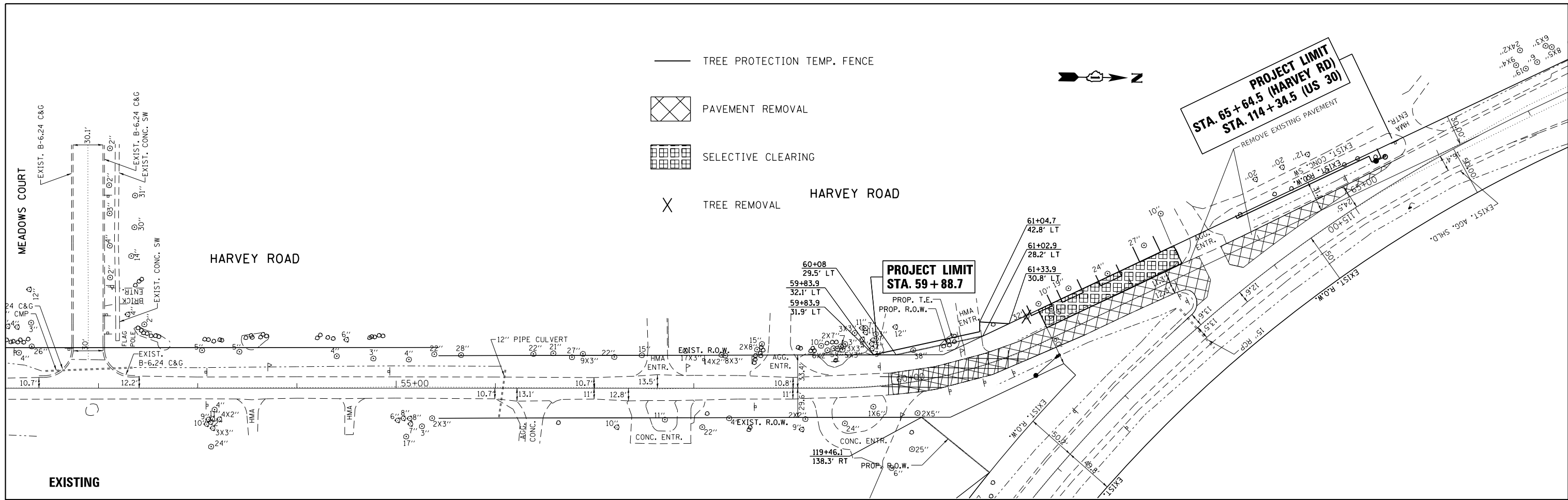


CONTROL POINT 11

SET REBAR
 STA. OFF CHAIN
 N=1835367.2030
 E=999985.7850
 ELEV.=720.5020

ROUTE	POINT	NORTHING	EASTING	STATION
US ROUTE 30	A1028	1,838,604.7550	999,017.7430	97+40.00
	A1001	1,835,396.8880	1,001,865.0570	141+98.40
	A1000	1,834,571.5250	1,002,406.7480	151+85.65
HARVEY ROAD	A1017	1,835,569.2290	1,000,013.0320	50+00.00
	A1027	1,837,155.7050	999,733.1350	66+44.42
TREASURE/ GASTVILLE STREET	A1010	1,835,377.8580	1,000,634.9650	80+00.00
	A1002	1,835,767.5480	1,001,620.1270	90+92.49

ROUTE	POINT	NORTHING	EASTING	STATION
EXIST. CURVE E_US30_CUR01	PI	1,836,690.7260	999,961.2030	118+73.92
	PC	1,837,203.5497	999,708.4228	113+02.18
	PT	1,836,492.9151	1,000,497.6327	123+90.15
EXIST. CURVE E_US30_CUR02	PI	1,836,178.5230	1,001,350.2110	132+98.85
	PC	1,836,364.6637	1,000,845.4289	127+60.84
	PT	1,835,729.2231	1,001,646.1551	138+00.45
EXIST. CURVE E_HRV_CUR01	PI	1,836,623.2430	999,996.3300	60+54.15
	PC	1,836,510.9990	999,998.1086	59+41.89
	PT	1,836,723.8782	999,946.5862	61+62.72
EXIST. CURVE E_TRE_CUR01	PI	1,835,384.6160	1,001,037.1100	84+02.20
	PC	1,835,382.3363	1,000,901.4522	82+66.52
	PT	1,835,459.1005	1,001,150.5132	85+30.64



— TREE PROTECTION TEMP. FENCE

PAVEMENT REMOVAL

SELECTIVE CLEARING

TREE REMOVAL

HARVEY ROAD



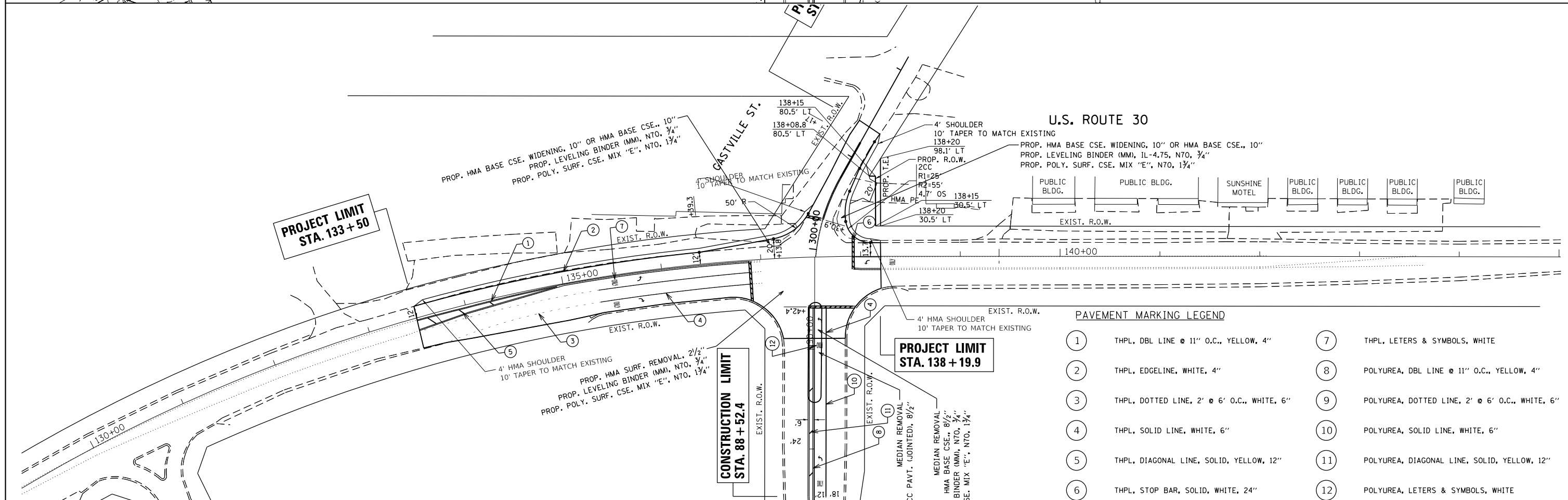
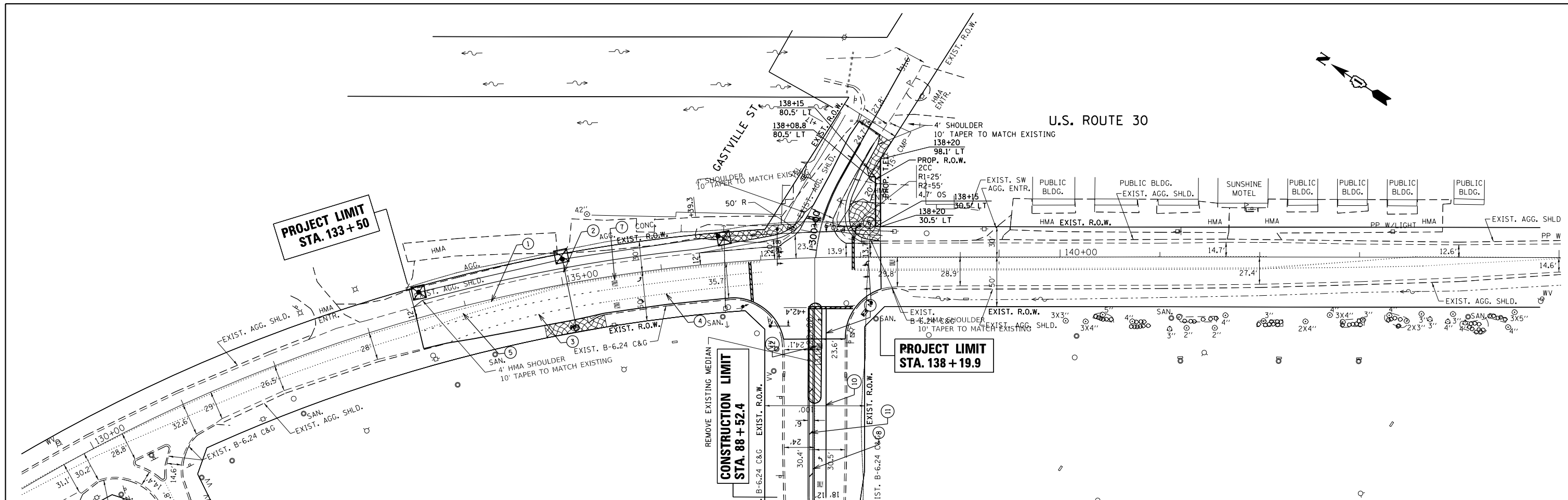
PAVEMENT MARKING LEGEND

- | | | | |
|--|--|--|--|
| | THPL, DBL LINE @ 11" O.C., YELLOW, 4" | | THPL, LETTERS & SYMBOLS, WHITE |
| | THPL, EDGLINE, WHITE, 4" | | POLYUREA, DBL LINE @ 11" O.C., YELLOW, 4" |
| | THPL, DOTTED LINE, 2' @ 6' O.C., WHITE, 6" | | POLYUREA, DOTTED LINE, 2' @ 6' O.C., WHITE, 6" |
| | THPL, SOLID LINE, WHITE, 6" | | POLYUREA, SOLID LINE, WHITE, 6" |
| | THPL, DIAGONAL LINE, SOLID, YELLOW, 12" | | POLYUREA, DIAGONAL LINE, SOLID, YELLOW, 12" |
| | THPL, STOP BAR, SOLID, WHITE, 24" | | POLYUREA, LETTERS & SYMBOLS, WHITE |

SIGNS LEGEND

- | | | | |
|-------------|-----------|-----------|----------|
| | | | |
| W8-1108 36" | W14-1 36" | OM4-3 RED | R11-1100 |

FILE NAME =	USER NAME = ldezmarm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING & PROPOSED ROADWAY PLAN U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR./GASTVILLE ST.	F.A.P. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
		DRIVEN -	REVISED -			349	16-N-1	KENDALL	75	17	
		CHECKED -	REVISED -			CONTRACT NO. 62B68					
		DATE = 10/18/2018	REVISED -			ILLINOIS FED. AID PROJECT					



PAVEMENT MARKING LEGEND

①	THPL, DBL LINE @ 11" O.C., YELLOW, 4"	⑦	THPL, LETTERS & SYMBOLS, WHITE
②	THPL, EDGELINE, WHITE, 4"	⑧	POLYUREA, DBL LINE @ 11" O.C., YELLOW, 4"
③	THPL, DOTTED LINE, 2' @ 6" O.C., WHITE, 6"	⑨	POLYUREA, DOTTED LINE, 2' @ 6" O.C., WHITE, 6"
④	THPL, SOLID LINE, WHITE, 6"	⑩	POLYUREA, SOLID LINE, WHITE, 6"
⑤	THPL, DIAGONAL LINE, SOLID, YELLOW, 12"	⑪	POLYUREA, DIAGONAL LINE, SOLID, YELLOW, 12"
⑥	THPL, STOP BAR, SOLID, WHITE, 24"	⑫	POLYUREA, LETTERS & SYMBOLS, WHITE

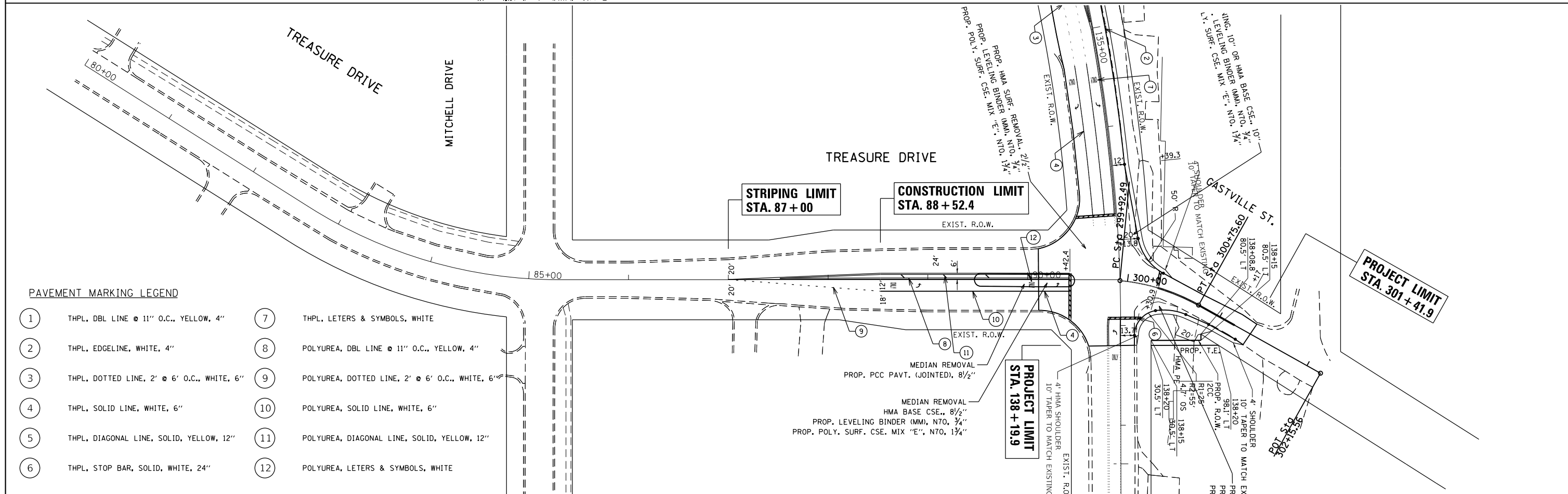
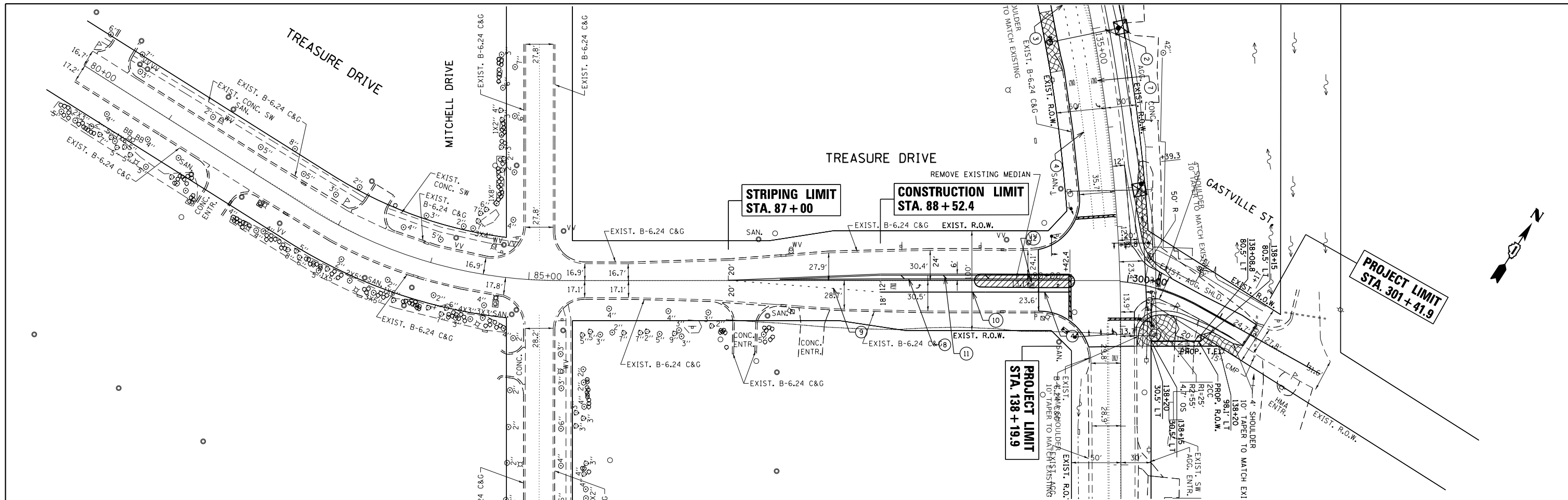
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Default	PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING & PROPOSED ROADWAY PLAN
U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR/GASTVILLE ST.**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	18
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- | | | | |
|---|--|----|--|
| 1 | THPL, DBL LINE @ 11" O.C., YELLOW, 4" | 7 | THPL, LETTERS & SYMBOLS, WHITE |
| 2 | THPL, EDGELINE, WHITE, 4" | 8 | POLYUREA, DBL LINE @ 11" O.C., YELLOW, 4" |
| 3 | THPL, DOTTED LINE, 2" @ 6" O.C., WHITE, 6" | 9 | POLYUREA, DOTTED LINE, 2" @ 6" O.C., WHITE, 6" |
| 4 | THPL, SOLID LINE, WHITE, 6" | 10 | POLYUREA, SOLID LINE, WHITE, 6" |
| 5 | THPL, DIAGONAL LINE, SOLID, YELLOW, 12" | 11 | POLYUREA, DIAGONAL LINE, SOLID, YELLOW, 12" |
| 6 | THPL, STOP BAR, SOLID, WHITE, 24" | 12 | POLYUREA, LETTERS & SYMBOLS, WHITE |

FILE NAME =	USER NAME = ldezma	DESIGNED -	REVISED -
p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI22213\Drawings\Design\PI22213-shr-cover.dgn		CHECKED -	REVISED -
Default		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

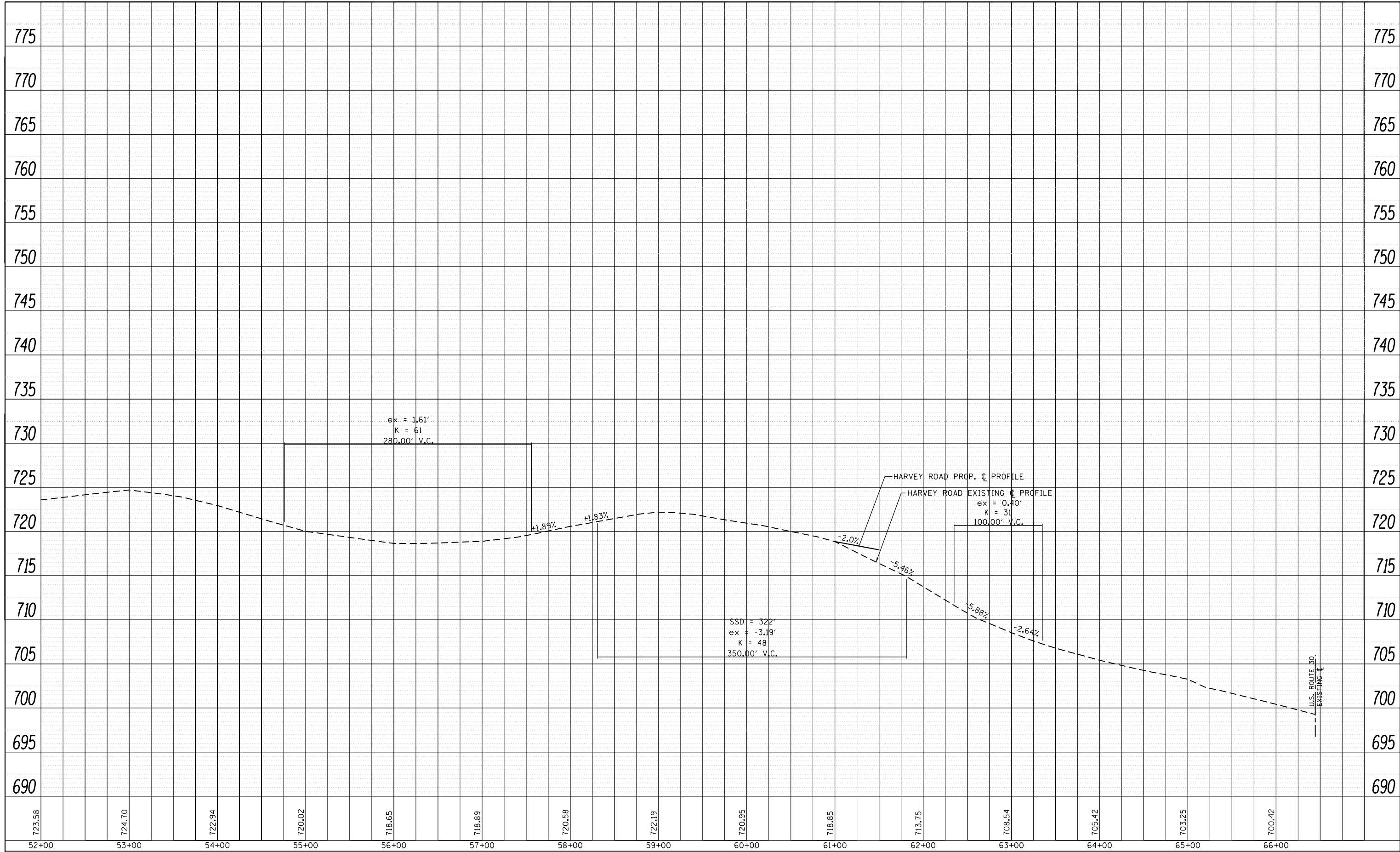
**EXISTING & PROPOSED ROADWAY PLAN
U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR/GASTVILLE ST.**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	19
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	ALIGNMENT CHECKED	
	FIELD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	



FILE NAME =	USER NAME = ledznm	DESIGNED -	REVISED -
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	PLOT DATE = 10/18/2018	DATE -	REVISED -

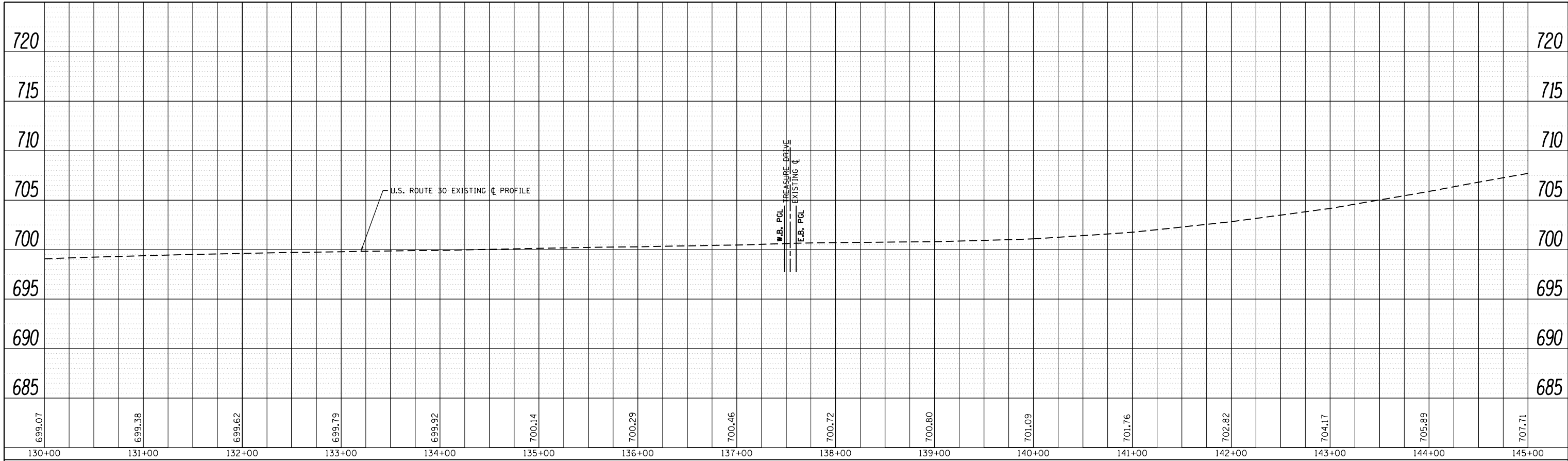
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PROFILE
U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR./GASTVILLE ST.**

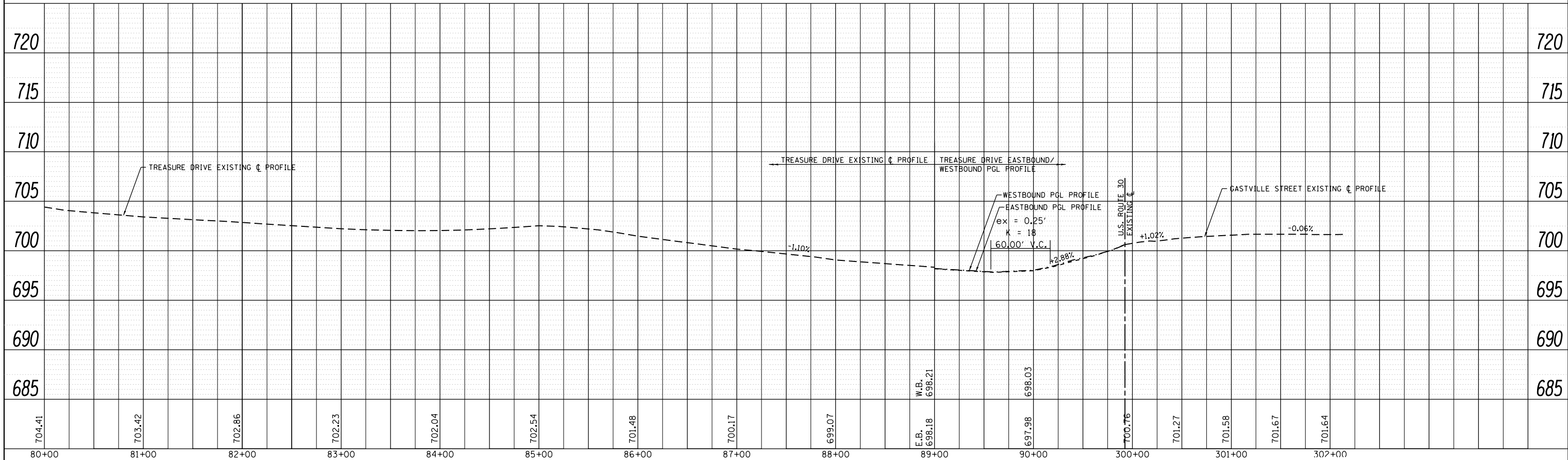
SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	1780000	KENDALL		
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT		
	CHECKED		
	NO. _____		
	NOTE BOOK		
	NO. _____		
	CARD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO. _____		



FILE NAME =	USER NAME = ledeznorm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 62B68							
Default		DATE -	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 15"	TOPSOIL FILL DEPTH = 4"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
FROM STATION	TO STATION							
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
US-30								
117+00	118+00	6	5	0	5	0	0	0
118+00	119+00	10	8	0	8	0	0	0
134+00	135+00	14	12	0	12	0	0	0
135+00	136+00	28	12	0	12	0	0	0
136+00	137+00	29	0	0	0	0	0	0
137+00	138+00	35	18	3	15	29	2	27
138+00	139+00	29	25	34	-9	57	11	47
139+00	139+35	8	7	31	-24	28	9	19
SUB-TOTAL		160	87	68	19	115	21	93

EARTHWORK NOTES:

1. STATION RANGE
2. VOLUME TO BE CUT
3. VOLUME TO BE USED AS FILL AFTER EITHER ADJUSTING 15% FOR SHRINKAGE AND LOSSES, OR OMISSION DUE TO HAVING AN A(5) CONTAMINATED SITE PER THE PSI REPORT
4. VOLUME TO BE FILLED
5. COLUMN (4) MINUS COLUMN (3)
6. TOPSOIL STRIPPING VOLUME
7. TOPSOIL FILL VOLUME
8. COLUMN (7) MINUS COLUMN (6)

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 15"	TOPSOIL FILL DEPTH = 4"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
FROM STATION	TO STATION							
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
Treasure								
89+00	90+00	24	21	0	21	0	0	0
90+00	90+92	22	19	0	19	0	0	0
SUB-TOTAL		47	40	0	40	0	0	0

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = 15"	TOPSOIL FILL DEPTH = 4"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
FROM STATION	TO STATION							
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
Gastville								
300+00	300+20	11	10	0	10	16	1	14
300+20	301+00	20	17	0	17	60	6	54
301+00	302+00	18	16	4	12	105	13	92
302+00	302+15	3	2	5	-2	38	4	34
SUB-TOTAL		52	44	8	36	219	24	194

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	FILL	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	TOPSOIL EXCAVATION STRIP DEPTH = VAR	TOPSOIL FILL DEPTH = VAR 4"-18"	TOPSOIL BALANCE WASTE (+) SHORTAGE (-)
FROM STATION	TO STATION							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
Harvey								
59+34	60+00	29	25	6	19	68	10	58
60+00	60+05	5	4	1	3	12	1	11
60+05	60+10	5	4	1	4	10	1	9
60+10	60+15	5	4	2	1	11	3	9
60+15	60+20	5	4	4	1	15	3	12
60+20	60+25	5	4	3	2	15	3	12
60+25	60+30	5	4	4	1	17	3	14
60+30	60+35	5	5	4	0	19	3	16
60+35	60+40	5	5	5	0	21	3	18
60+40	60+45	5	5	6	-2	23	3	20
60+45	60+50	5	5	8	-3	25	3	22
60+50	60+55	5	4	11	-6	28	3	24
60+55	60+60	5	4	9	-5	28	3	25
60+60	60+65	6	5	13	-8	31	4	28
60+65	60+70	6	5	21	-16	35	4	30
60+70	60+75	5	4	26	-21	36	4	32
60+75	60+80	4	4	29	-26	39	3	36
60+80	60+85	4	3	31	-27	36	2	34
60+85	60+90	4	3	31	-28	34	2	32
60+90	60+93	3	2	20	-18	21	1	20
60+93	60+95	2	1	12	-11	13	1	12
60+95	61+00	5	4	33	-29	35	2	33
61+00	61+05	5	5	33	-28	39	3	36
61+05	61+10	5	4	34	-30	42	4	38
61+10	61+15	3	3	33	-30	41	4	38
61+15	61+20	2	2	32	-31	40	4	36
61+20	61+25	1	1	33	-32	39	4	35
61+25	61+30	1	0	34	-33	38	4	33
61+30	61+35	1	1	32	-31	35	10	25
61+35	61+40	2	2	20	-18	24	14	10
61+40	62+00	31	26	107	-81	272	170	102
62+00	63+00	73	62	111	-49	476	230	246
63+00	63+47	19	16	27	-11	115	39	76
63+47	64+00	22	19	27	-8	88	50	38
64+00	65+00	57	48	45	3	166	176	-10
65+00	65+84	13	11	27	-16	70	69	1
65+84	66+00	0	0	0	0	0	0	0
SUB-TOTAL		363	309	874	-566	2057	844	1212

EARTH EXCAVATION SUMMARY		
	EARTHWORK BALANCE (CY) WASTE (+) SHORTAGE (-)	TOPSOIL BALANCE (CY) WASTE (+) SHORTAGE (-)
US-30	19	93
Harvey	-566	1212
Treasure	40	0
Gastville	36	194
TOTAL	-471	1500

LEGEND

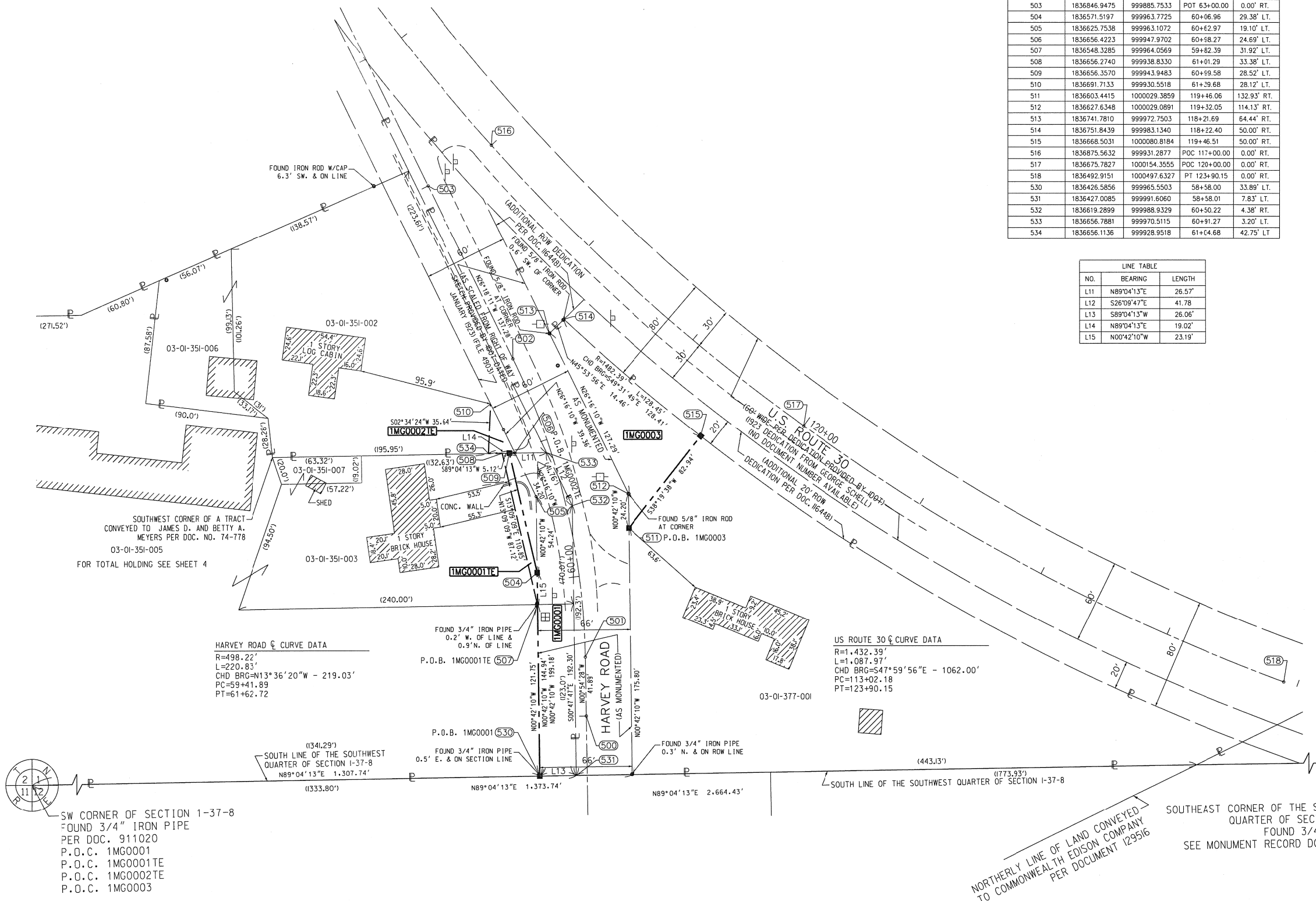
SECTION CORNER: 9 10 15 16
 QUARTER SECTION CORNER: 15
 SECTION / QUARTER SECTION LINE: Dashed line
 PLATTED LOT LINES: Solid line
 PROPERTY (DEED) LINE: Solid line with 'P' markers
 APPARENT PROPERTY LINE: Solid line with 'A.P.L.' markers
 EXISTING CENTERLINE: Dashed line
 PROPOSED CENTERLINE: Dashed line
 EXISTING RIGHT OF WAY LINE: Dashed line
 PROPOSED RIGHT OF WAY LINE: Dashed line
 EXISTING EASEMENT: Dashed line
 PROPOSED EASEMENT: Dashed line
 EXISTING ACCESS CONTROL LINE: Solid line with 'AC' markers
 PROPOSED ACCESS CONTROL LINE: Solid line with 'AC' markers
 MEASURED / CALCULATED DIMENSION: Solid line
 RECORDED DIMENSION: Solid line
 EXISTING BUILDING: Hatched area
 IRON PIPE OR ROD FOUND: Circle with dot
 CUT CROSS FOUND OR SET: Circle with cross
 'MAG' NAIL SET: Circle with 'M'
 5 / 8" REBAR SET: Circle with '5'
 STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER: Square with 'M'
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER: Square with 'M'
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS): Circle with 'M'
 RIGHT OF WAY STAKING PROPOSED TO BE SET: Square

PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
500	1836469.1160	999998.7723	POT 59+00.00	0.00' RT.
501	1836510.9990	999998.1086	PC 59+41.89	0.00' RT.
502	1836723.8782	999946.5862	PT 61+62.72	0.00' RT.
503	1836846.9475	999885.7533	POT 63+00.00	0.00' RT.
504	1836571.5197	999963.7725	60+06.96	29.38' LT.
505	1836625.7538	999963.1072	60+62.97	19.10' LT.
506	1836556.4223	999947.9702	60+58.27	24.69' LT.
507	1836548.3285	999964.0569	59+82.39	31.92' LT.
508	1836656.2740	999938.8330	61+01.29	33.38' LT.
509	1836656.3570	999943.9483	60+59.58	28.52' LT.
510	1836691.7133	999930.5518	61+29.68	28.12' LT.
511	1836603.4415	1000029.3859	119+46.06	132.93' RT.
512	1836627.6348	1000029.0891	119+32.05	114.13' RT.
513	1836741.7810	999972.7503	118+21.69	64.44' RT.
514	1836751.8439	999983.1340	118+22.40	50.00' RT.
515	1836668.5031	1000080.8184	119+46.51	50.00' RT.
516	1836875.5632	999931.2877	POC 117+00.00	0.00' RT.
517	1836675.7827	1000154.3555	POC 120+00.00	0.00' RT.
518	1836492.9151	1000497.6327	PT 123+90.15	0.00' RT.
530	1836426.5856	999965.5503	58+58.00	33.89' LT.
531	1836427.0085	999991.6060	58+58.01	7.83' LT.
532	1836619.2899	999988.9329	60+50.22	4.38' RT.
533	1836656.7881	999970.5115	60+91.27	3.20' LT.
534	1836656.1136	999928.9518	61+64.68	42.75' LT.

LINE TABLE

NO.	BEARING	LENGTH
L11	N89°04'13"E	26.57'
L12	S26°09'47"E	41.78'
L13	S89°04'13"W	26.06'
L14	N89°04'13"E	19.02'
L15	N00°42'10"W	23.19'



STATE OF ILLINOIS)
) SS
 COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, JACOB AND HEFNER ASSOCIATES, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003073.) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 1, TOWNSHIP 37 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KENDALL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DOWNERS GROVE, ILLINOIS THIS 23RD DAY OF JANUARY 2017 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003535
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



JACOB & HEFNER ASSOCIATES
 1333 Butterfield Road, Suite 300, Downers Grove, IL 60515
 PHONE: (630) 652-4600, FAX: (630) 652-4601
 www.jacobandhefner.com
 Illinois Professional Design Firm
 License No. 184-003073 Exp. 4/30/17

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 U.S. ROUTE 30

LIMITS: AT HARVEY ROAD COUNTY: KENDALL
 SECTION: BUTTERFIELD ROAD TO STA. 119+46.51 JOB NO.: R-91-003-16
 STA. 118+21.69 TO STA. 119+46.51
 SCALE: 1"=40' SHEET 2 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING ROW ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1MG0001	14.12	0.147	0.134	13.973	0.011	495	03-01-351-003 03-01-351-007 03-01-351-005 03-02-400-006
1MG0002	0.75	N/A	N/A	0.75	0.008	338	03-01-351-002 03-01-351-006
1MG0003	1.70	0.127	N/A	1.573	N/A	N/A	03-01-377-001

NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. BEARINGS AND DISTANCES SHOWN HEREON REFER TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994129578. AREAS SHOWN ON THIS PLAT ARE "GROUND".

REVISION DATE: / / REVISION MADE BY:

DOT USE ONLY
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 MAY 12 2017
 PLATS & LEGALS

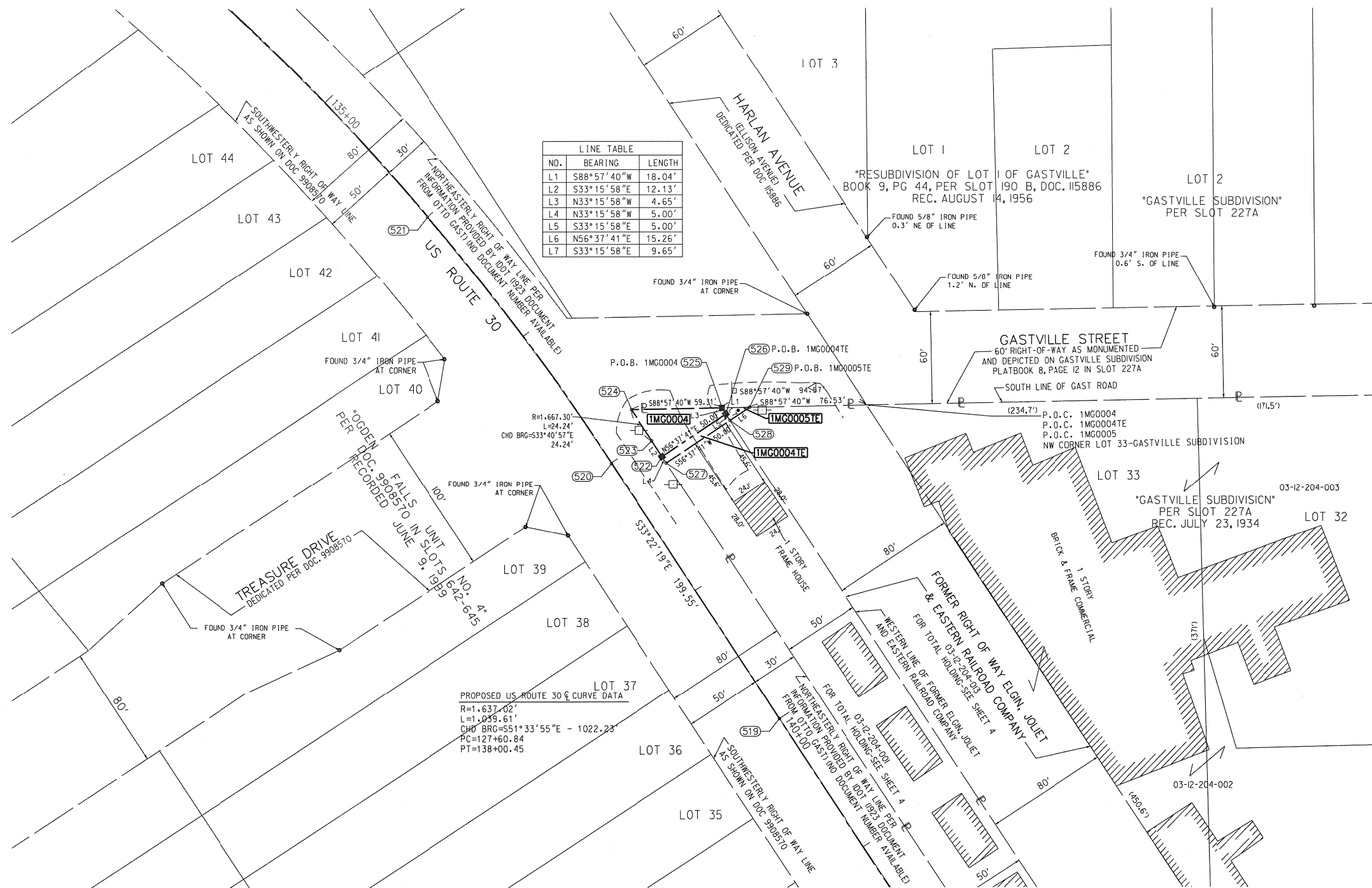
LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED / CALCULATED DIMENSION
 EXISTING BUILDING

SECTION CORNER
 QUARTER SECTION CORNER

GRAPHIC SCALE
 FEET
 SCALE: 1" = 40'

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET



STATE OF ILLINOIS)
) SS
 COUNTY OF DUPAGE)

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DATED AT DOWNERS GROVE, ILLINOIS THIS 23RD DAY OF JANUARY 2017 A.D.



ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003535
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

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 Illinois Professional Design Firm
 License No. 184-003073 Exp. 4/30/17

PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
519	1835562.5755	1001755.9223	POT 140+00.00	0.00' RT.
520	1835729.2231	1001646.1551	PT 138+00.45	0.00' RT.
521	1835889.4618	1001525.9323	POC 136+00.00	0.00' RT.
522	1835733.7401	1001679.4459	138+14.99	30.29' LT.
523	1835743.8855	1001672.7901	138+02.86	30.31' LT.
524	1835764.0535	1001659.3486	137+79.02	30.32' LT.
525	1835765.1289	1001718.6530	138+10.34	80.30' LT.
526	1835761.2438	1001721.2018	138+14.99	80.29' LT.
527	1835729.5594	1001682.1885	138+19.99	30.28' LT.
528	1835757.0631	1001723.9444	138+19.99	80.28' LT.
529	1835765.4559	1001736.6862	138+19.99	95.53' LT.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING ROW ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
IMG0004	0.88	0.024 AC OR 1,024 SF	N/A	0.856	0.006	250	03-12-204-001
IMG0005	4.64	N/A	N/A	4.64	0.002	74	03-12-204-013 03-12-204-002 03-12-204-003

NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994129578. AREAS SHOWN ON THIS PLAT ARE "GROUND".

REVISION DATE: / / REVISION MADE BY:

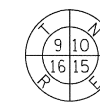
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 APR 12 2017
PLATS & LEGALS

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 U.S. ROUTE 30

LIMITS: AT GASTVILLE STREET COUNTY: KENDALL
 SECTION: STA. 137+79.02 TO STA. 138+19.99 JOB NO.: R-91-003-16
 SCALE: 1"=40' SHEET 3 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

LEGEND

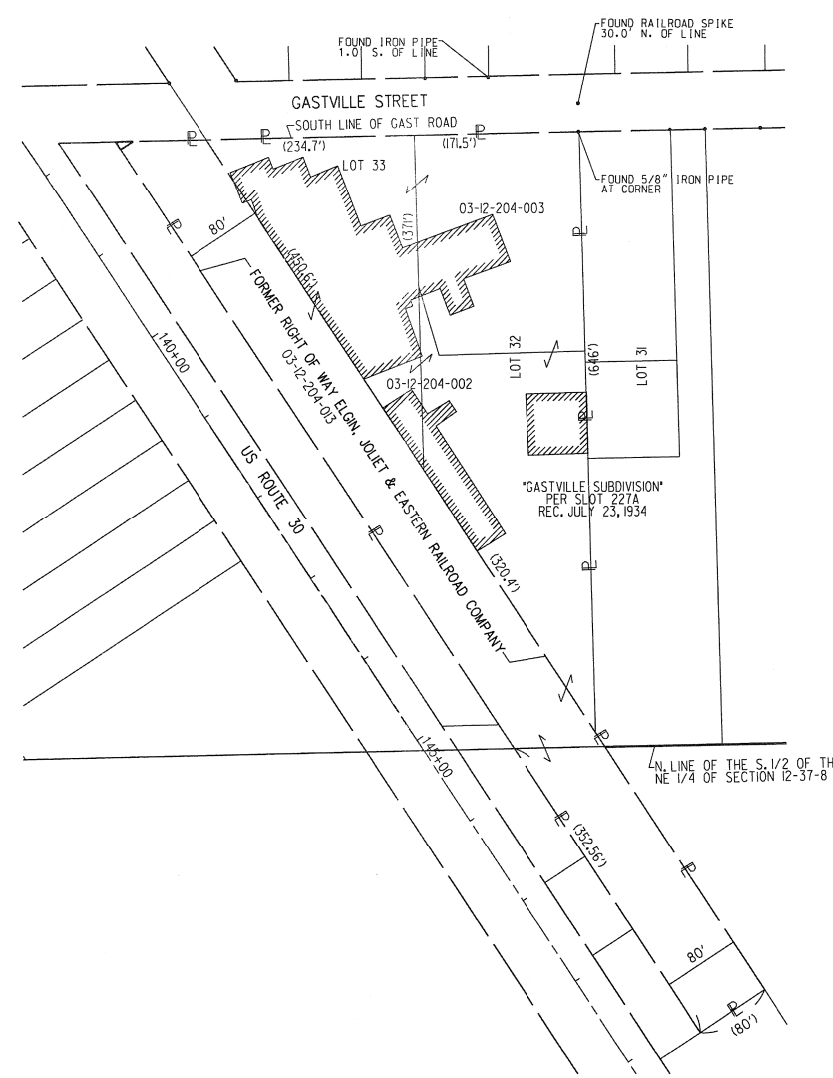
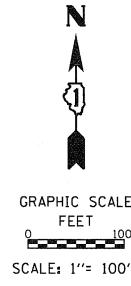


SECTION CORNER

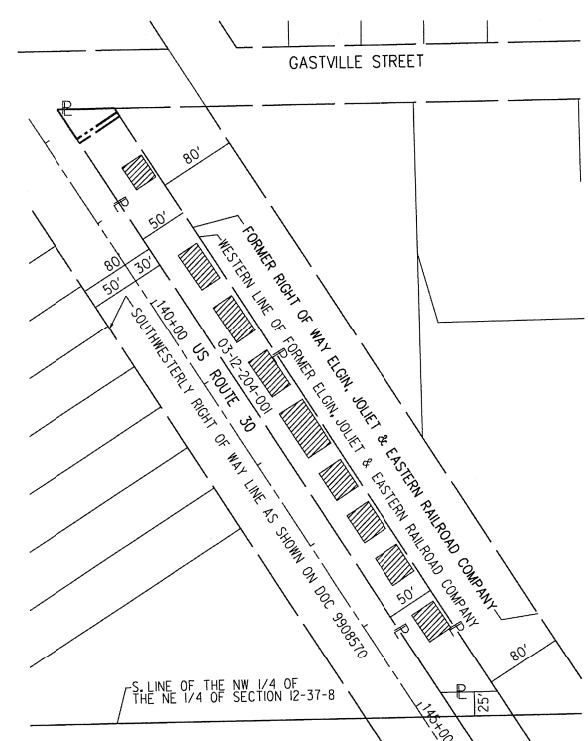


QUARTER SECTION CORNER

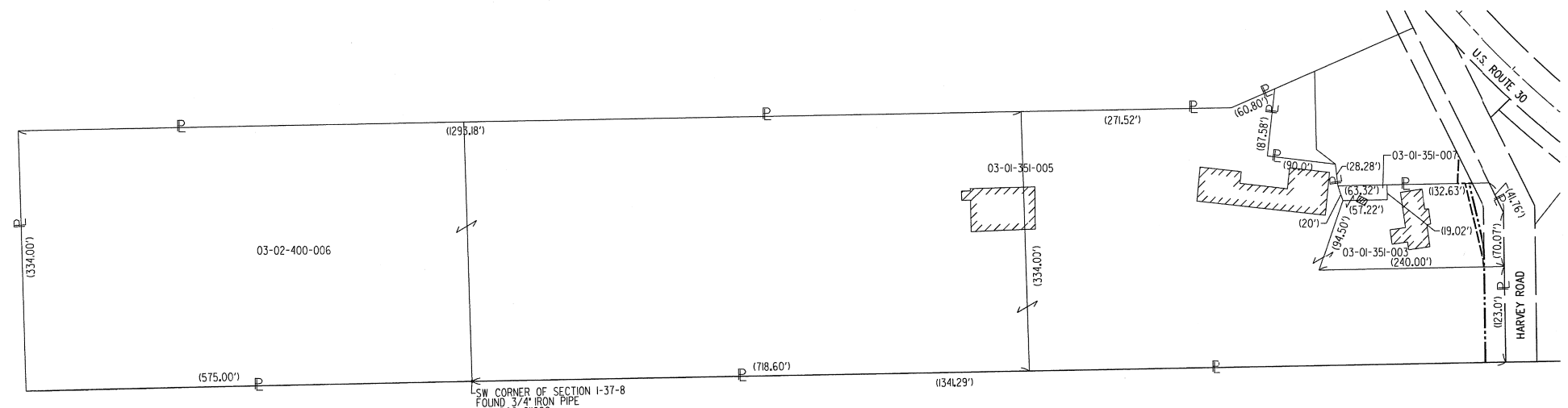
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- MEASURED / CALCULATED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING



TOTAL HOLDING FOR PARCEL 1MG0005



TOTAL HOLDING FOR PARCEL 1MG0004



TOTAL HOLDING FOR PARCEL 1MG0001

- IRON PIPE OR ROD FOUND ⊕ *MAG* NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

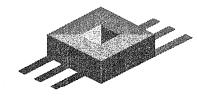
STATE OF ILLINOIS)
) SS
 COUNTY OF DUPAGE)

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DATED AT DOWNERS GROVE, ILLINOIS THIS 23RD DAY OF JANUARY 2017 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003535
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

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PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 U.S. ROUTE 30

LIMITS: AT HARVEY AND GASTVILLE COUNTY: KENDALL
 SECTION: JOB NO.: R-91-003-16
 STA. TO STA.
 SCALE: SHEET 4 OF 4 SHEETS

IDOT USE ONLY

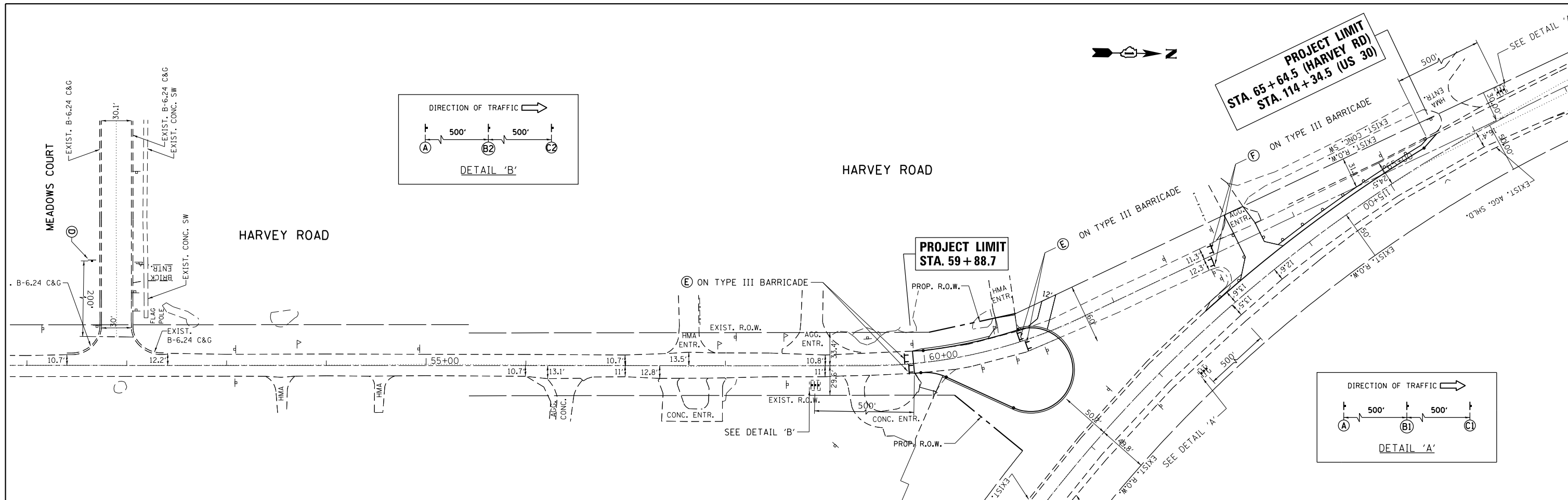
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 MAY 11 2017

PLATS & LEGALS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

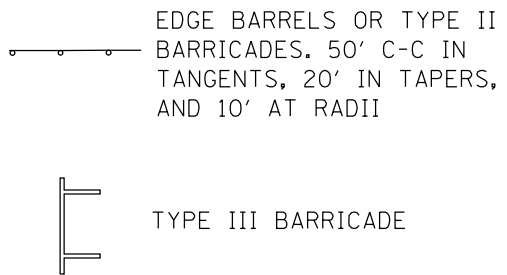
NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99994129578. AREAS SHOWN ON THIS PLAT ARE "GROUND".

REVISION DATE: / / REVISION MADE BY:

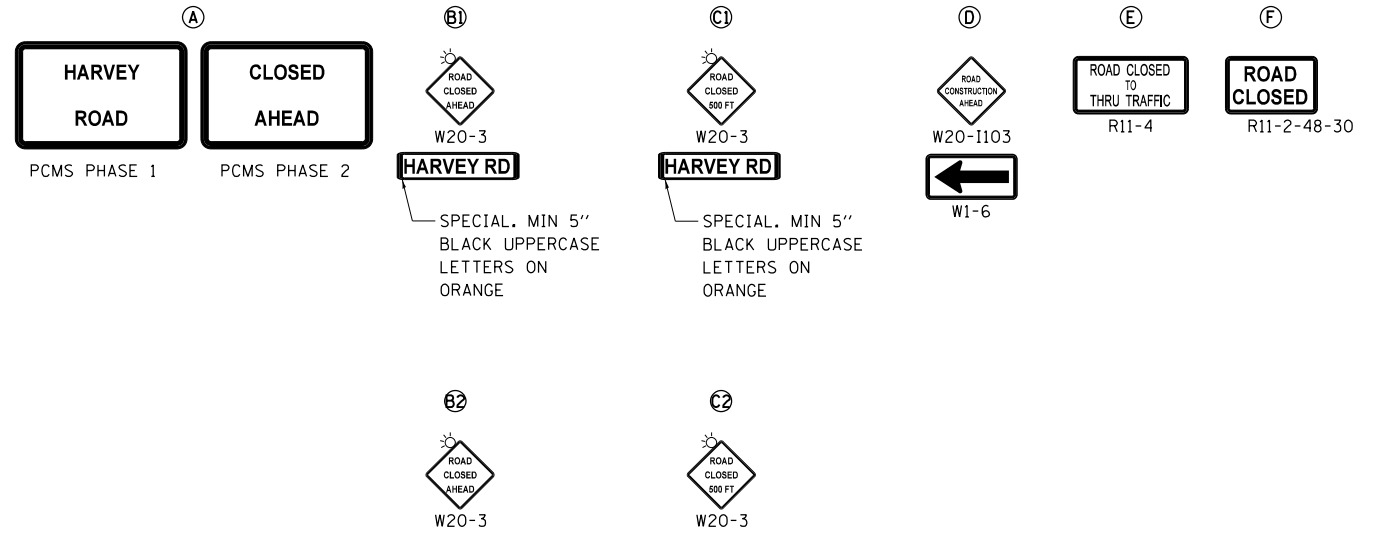


LEGEND

NOTE:
ALL WORK IN THE INTERSECTION OF US-30 & TRASURE DR / GASTVILLE ST TO BE DONE WITH TRAFFIC STANDARDS



SIGNS LEGEND



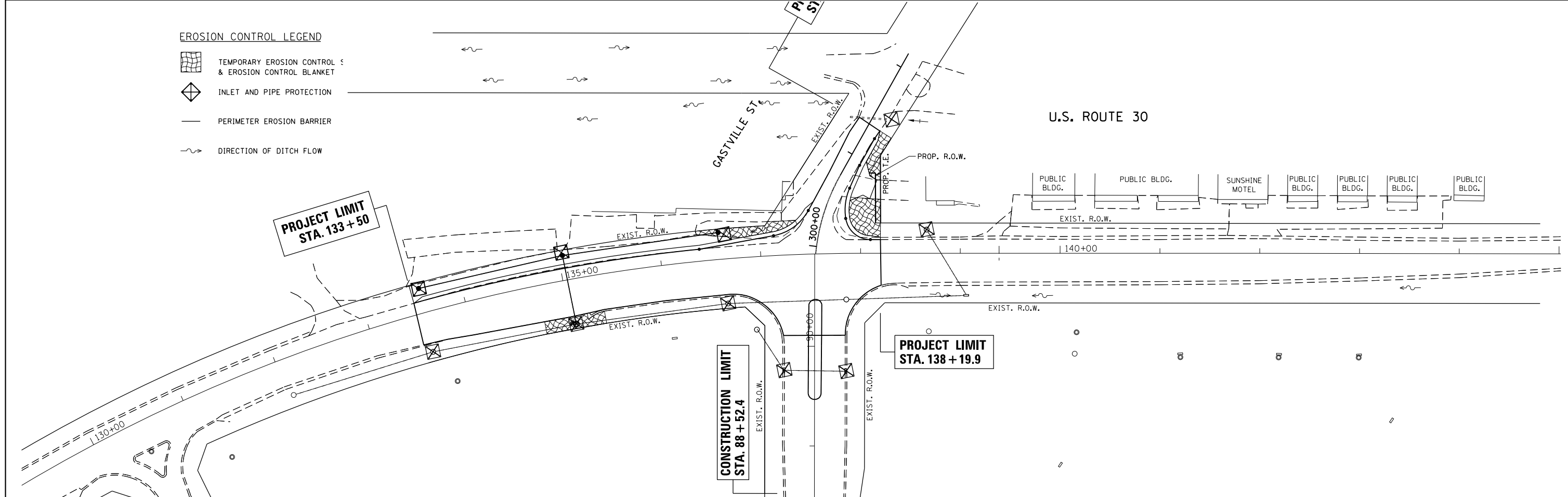
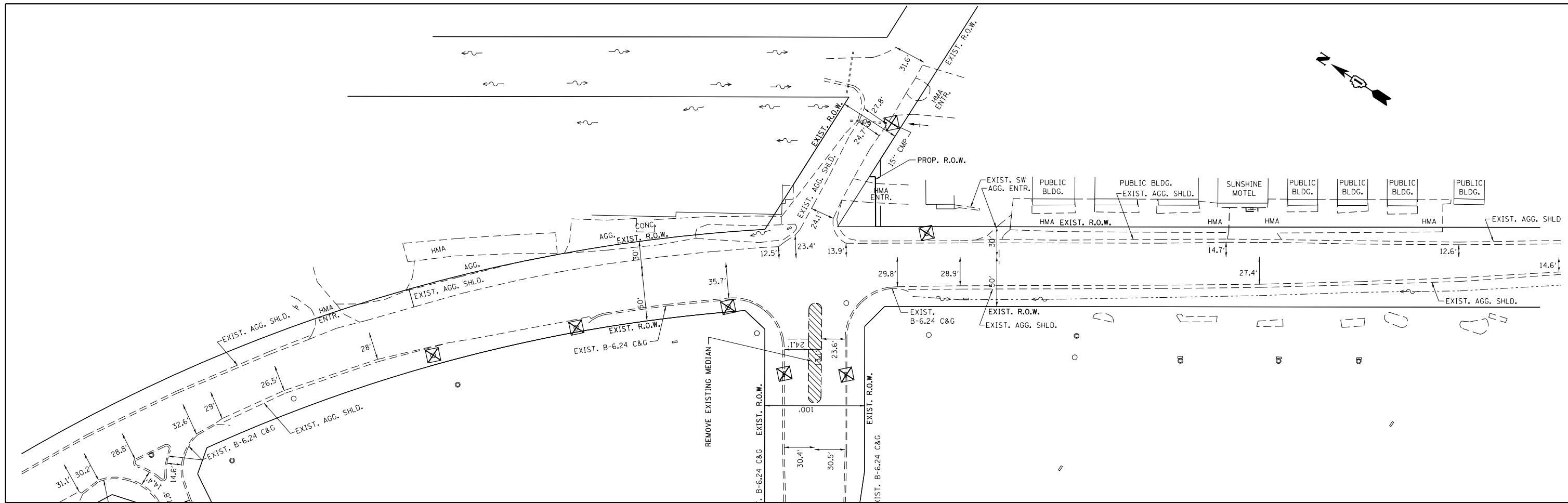
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Default	PLOT DATE = 10/18/2018	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





**MOT PLAN
U.S. ROUTE 30 AT HARVEY RD & AT TRASURE DR/GASTVILLE ST.**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	27
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

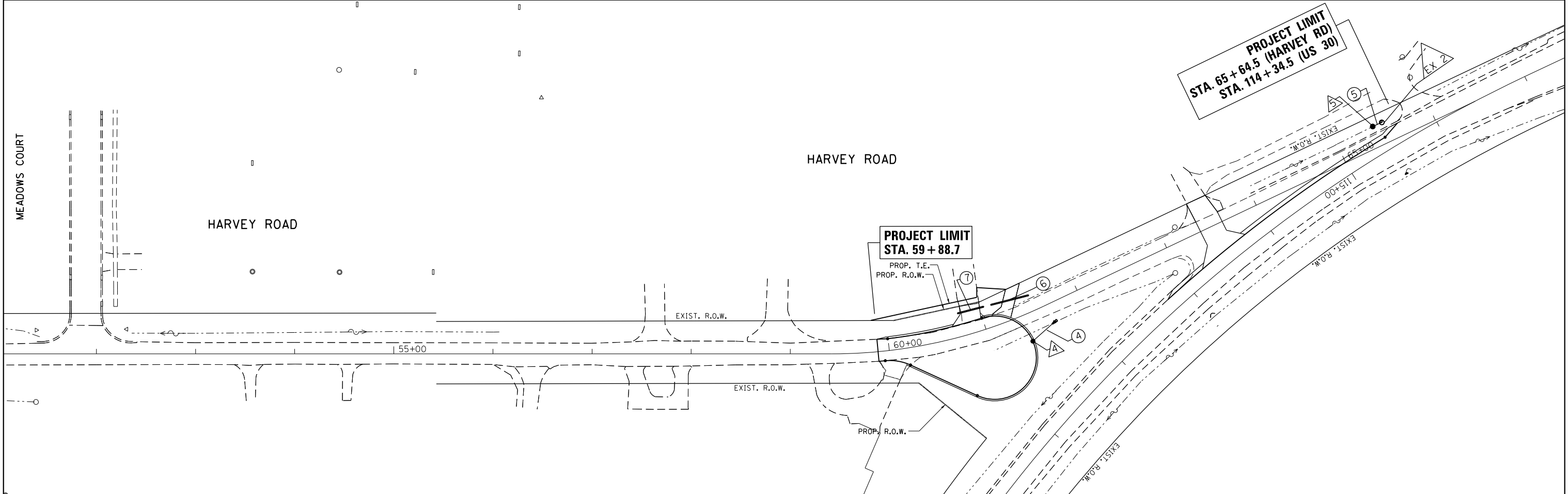
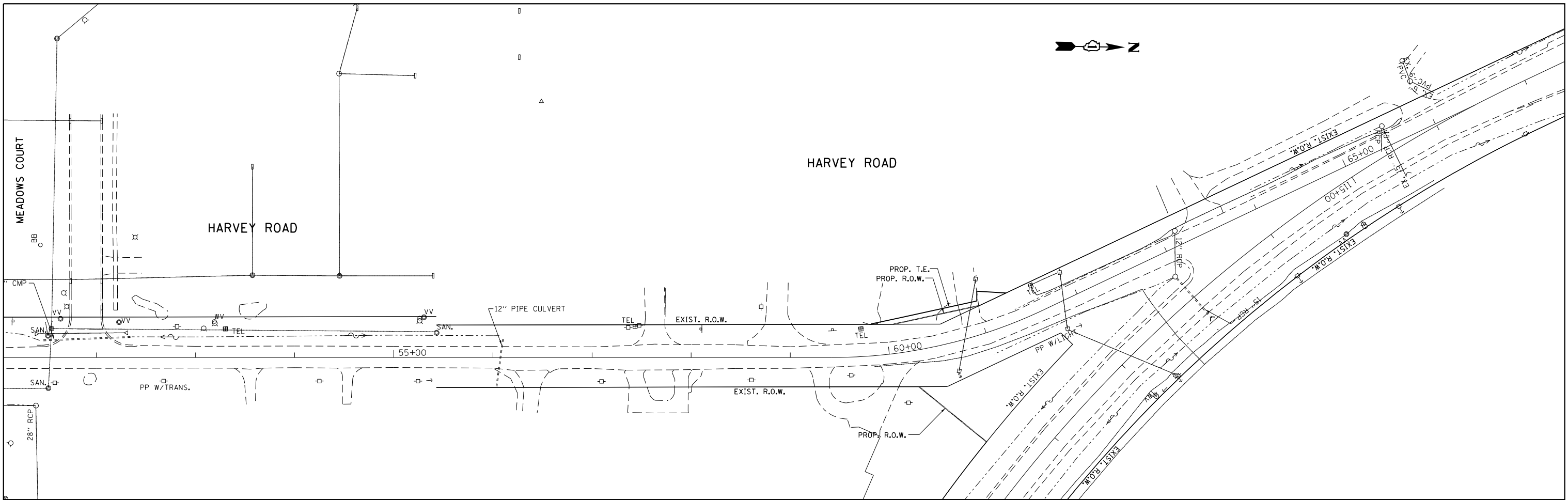
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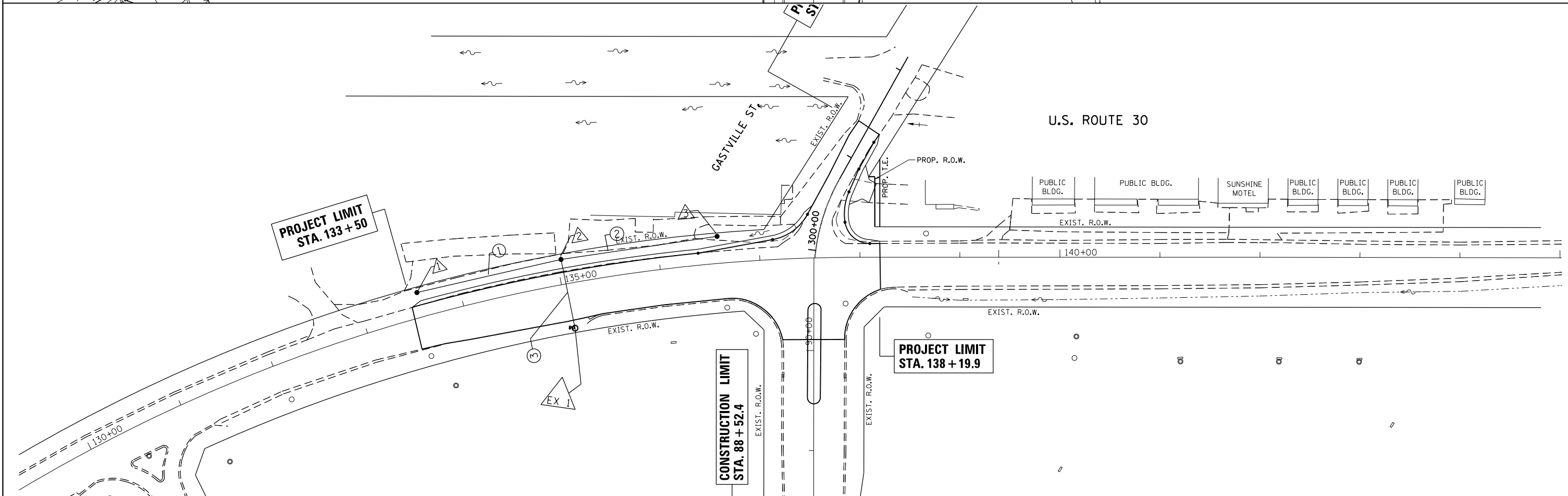
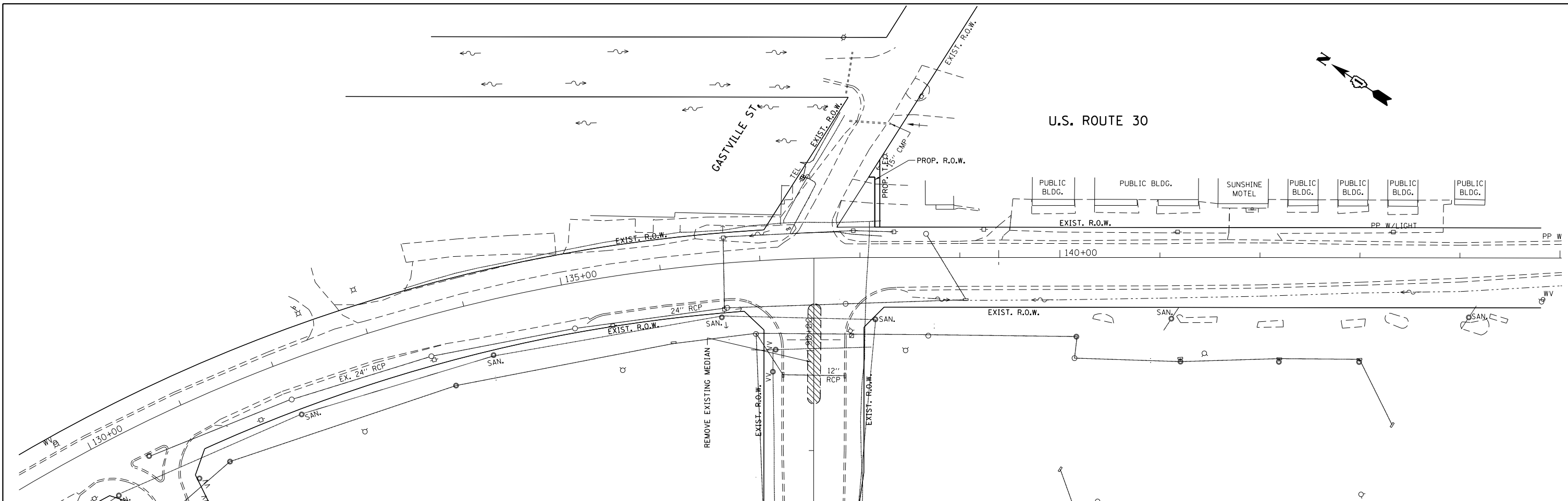
EROSION CONTROL LEGEND

-  TEMPORARY EROSION CONTROL S & EROSION CONTROL BLANKET
-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  DIRECTION OF DITCH FLOW

FILE NAME =	USER NAME = ldezmarm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED EROSION CONTROL PLAN U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR/GASTVILLE ST.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62B68					
	PLOT DATE = 10/18/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = jdezmem	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITIES PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P122213\Design\P122213-sht-cover.dgn		DRAWN -	REVISED -		U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR/GASTVILLE ST.			349	16-N-1	KENDALL	75	30
Default		CHECKED -	REVISED -		SCALE: 1"=50'	SHEET	OF SHEETS	STA.	TO STA.	CONTRACT NO. 62B68		
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							





FILE NAME =	USER NAME = ldezma	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITIES PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -		U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR/GASTVILLE ST.				349	16-N-1	KENDALL	75	31
		DATE -	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 62B68				
					ILLINOIS FED. AID PROJECT								

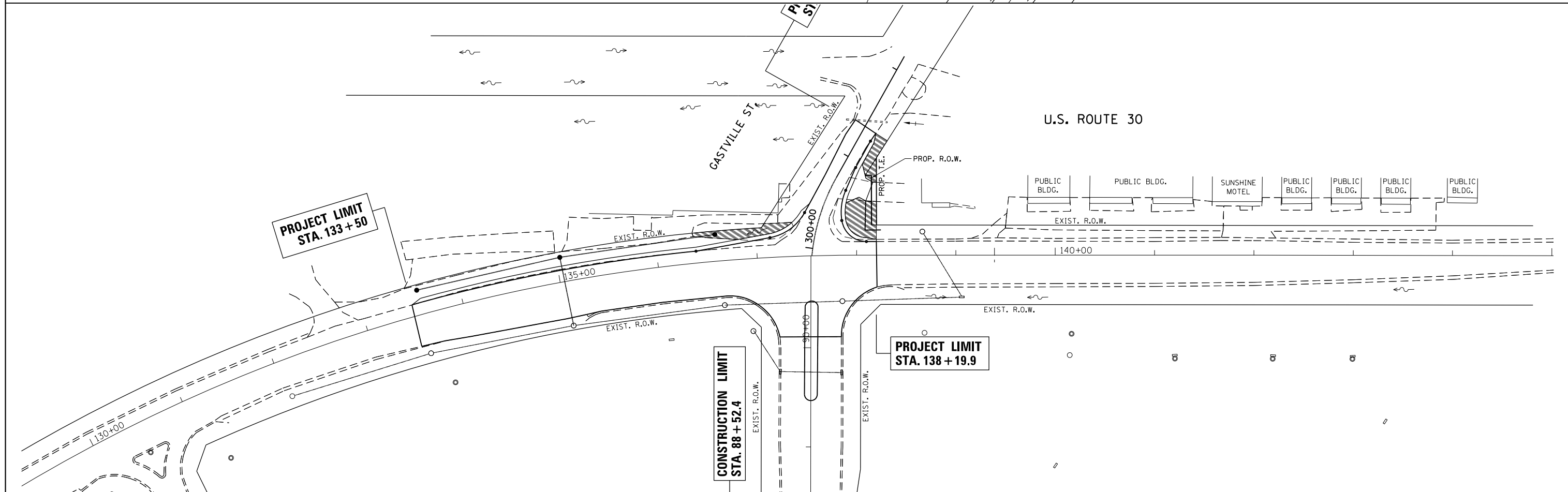
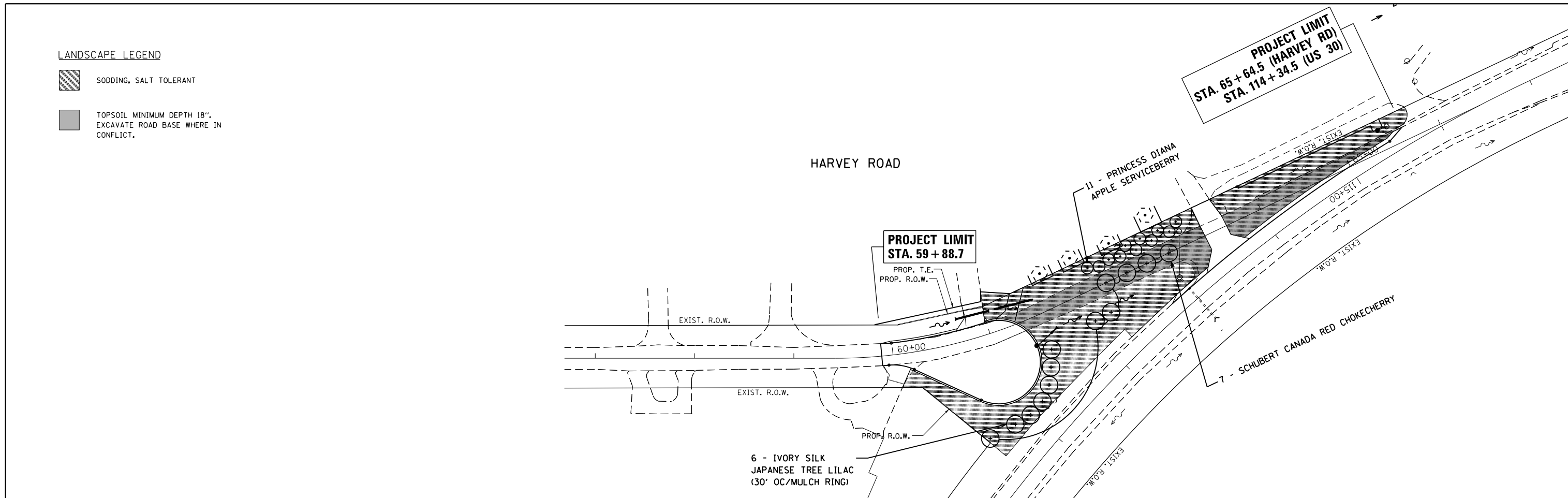
DRAINAGE STRUCTURES TABLE												
NO.	STATION	OFFSET (FT)	STRUCTURE TYPE			DIA (FT)	F&G TYPE	RIM ELEV (FT)	INVERT (FT)	INVERT (FT)	INVERT (FT)	INVERT (FT)
			MH	CB	INLET							
1	133+58.47	25 LT		A		4	1 OL	700.18	694.03 S			
2	135+04.00	25 LT		A		5	1 OL	700.28	692.59 W	692.62 N	692.61 S	
3	136+59.43	27 LT		C		2	1 OL	700.55	694.25 N			
4	61+39.08	27.82 RT			A	2	1 OL	717.55	713.75 N			
5	114+57.40	28.69 RT		A		4	8 OL	700.33	697.68 N			
FES1	61+62.90	19.92 RT				1	OL	713.62	713.62			
EX 1	135+05.53	45.03 RT		A		5	8 OL	695.35	691.98 E			
EX 2	114+47.67	27.48 RT		A		4	8 OL	701.48	697.63 S			

DRAINAGE PIPE TABLE											
NO.	PIPE LOCATION		STATION - STATION			DESCRIPTION / COMMENTS	DIA (IN)	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CY)	WATER MAIN QUALITY
	FROM STR.	TO STR.									
1	1	2	133+58.47	-	135+04.00	SS. CLASS A, TYPE 2	12	146	0.96%	64	NO
2	3	2	135+04.00	-	136+59.43	SS. CLASS A, TYPE 2	12	158	1.04%	70	NO
3	2	EX 1	135+04.00	-	135+05.53	SS. CLASS A, TYPE 2	12	71	0.86%	24	NO
4	4	FES1	61+39.08	-	61+62.90	SS. CLASS A, TYPE 2	12	26	0.50%	0	NO
5	5	EX 2	114+47.67	-	114+57.40	SS. CLASS A, TYPE 2	12	8	0.62%	0	NO

DRIVEWAY PIPE CULVERTS TABLE						
NO.	STATION - STATION			DIA (IN)	LENGTH (FT)	SLOPE (%)
6	61+12.69	-	61+53.31	12	40	0.78%
7	60+76.53	-	61+05.10	12	27	3.99%

LANDSCAPE LEGEND

-  SODDING, SALT TOLERANT
-  TOPSOIL MINIMUM DEPTH 18". EXCAVATE ROAD BASE WHERE IN CONFLICT.



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Default	PLOT DATE = 10/18/2018	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LANDSCAPE PLAN
U.S. ROUTE 30 AT HARVEY RD & AT TREASURE DR/GASTVILLE ST.

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	33
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

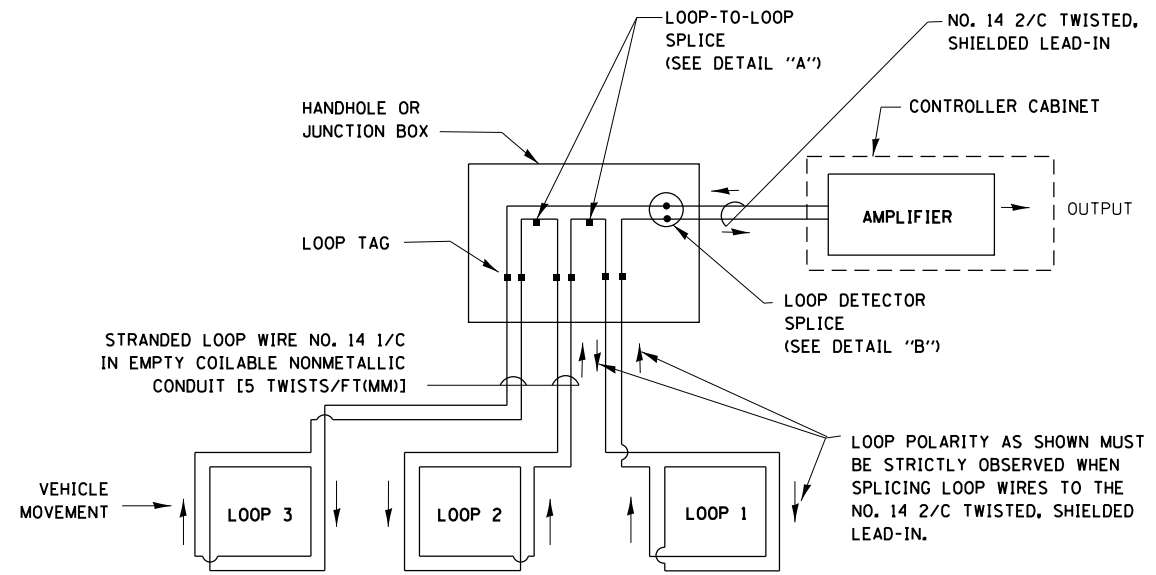
TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	 	 	DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

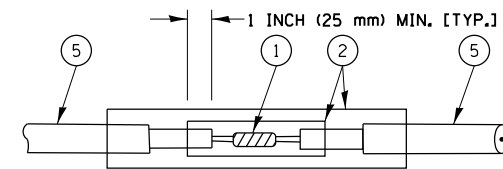
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

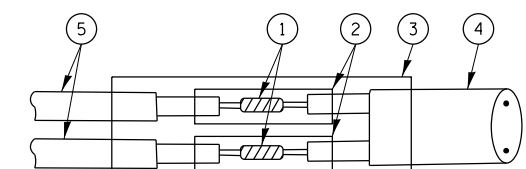


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



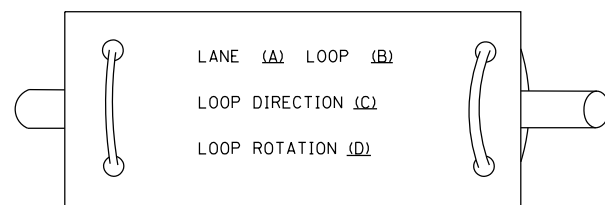
**DETAIL "A"
LOOP-TO-LOOP SPLICE**



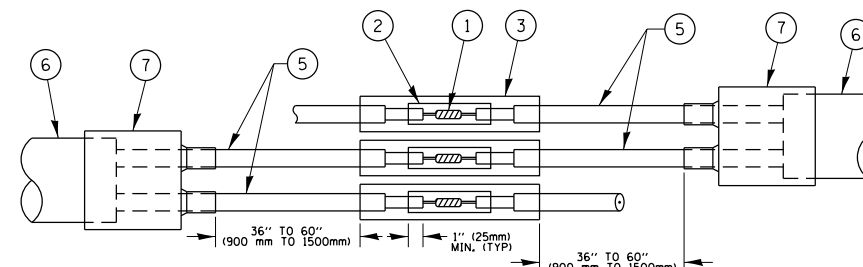
**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP

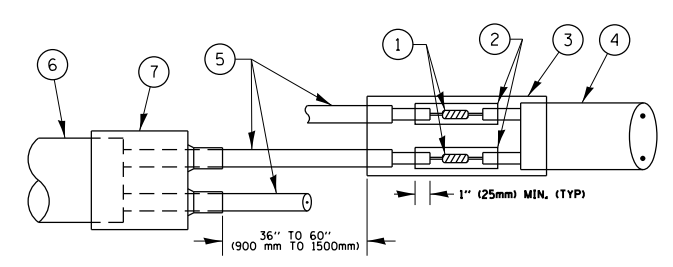
LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

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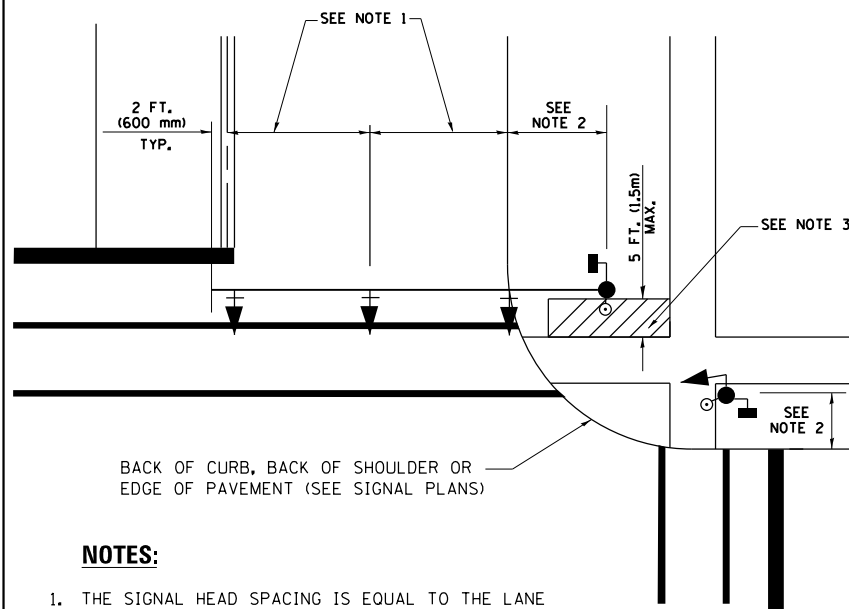
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	35
TS-05		CONTRACT NO. 62B68		
ILLINOIS FED. AID PROJECT				

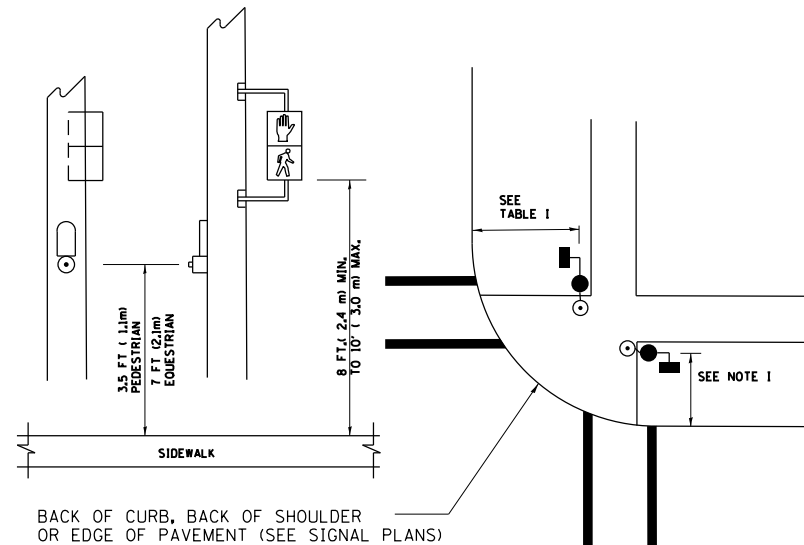
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

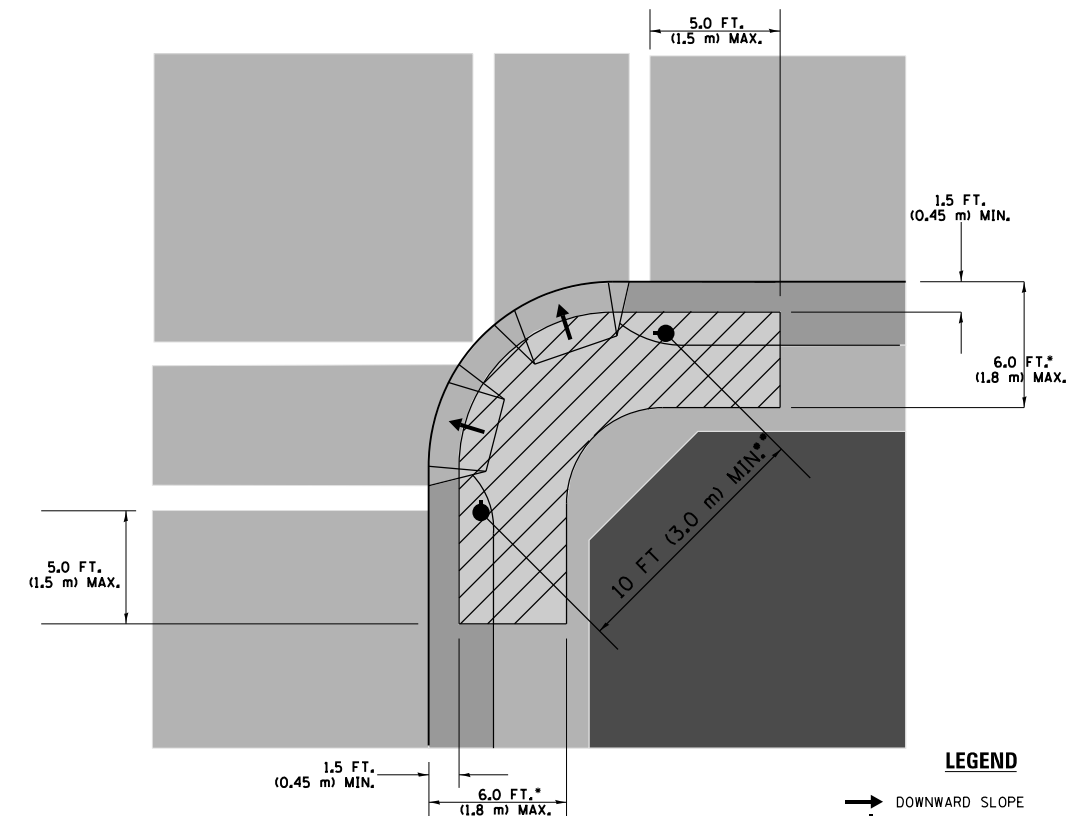
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

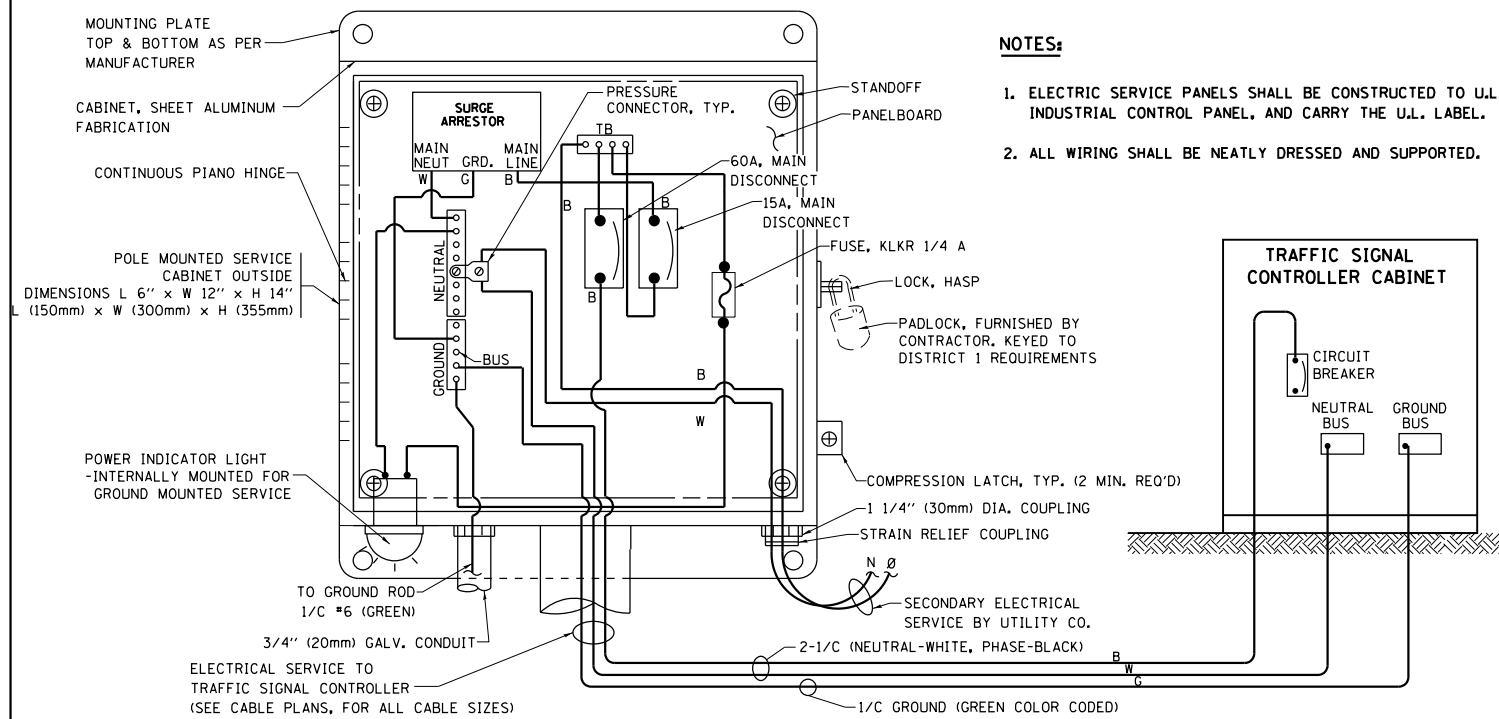
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

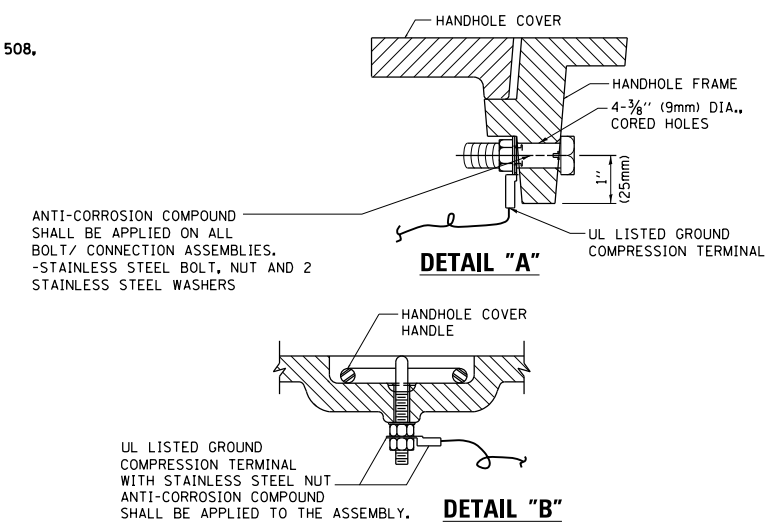
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	36
TS-05		CONTRACT NO.	62B68	
ILLINOIS FED. AID PROJECT				

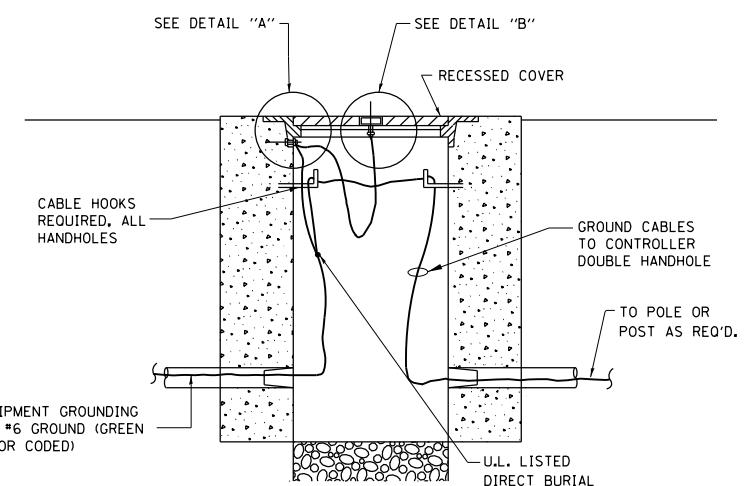


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

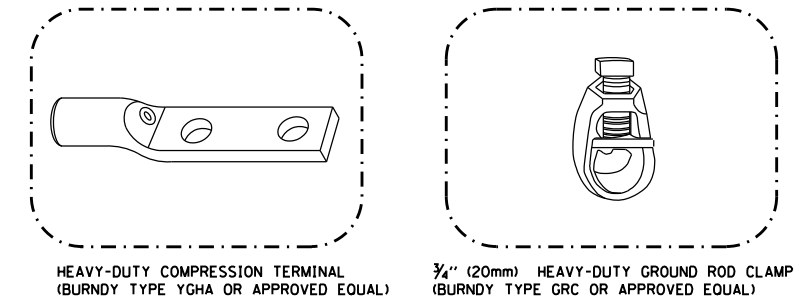


**NOTES:
GROUNDING SYSTEM**

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN ENCLOSED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

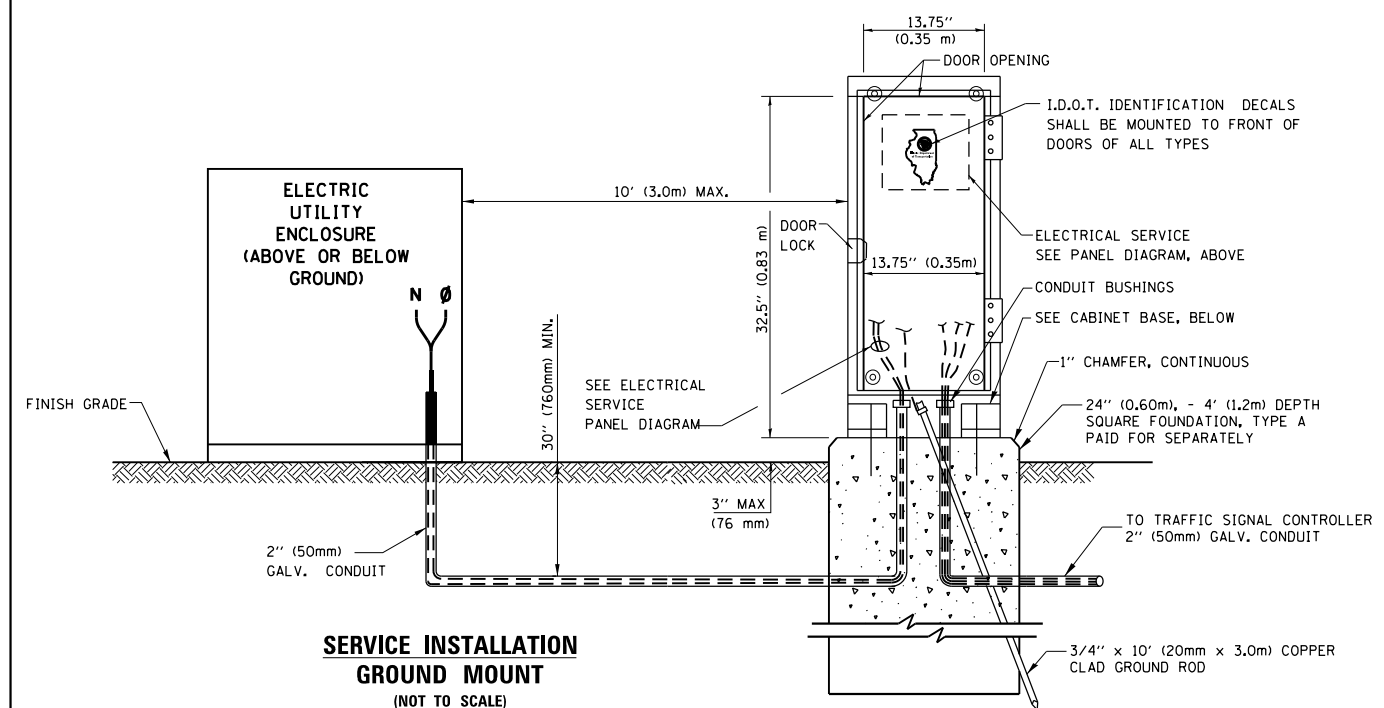


**HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)**

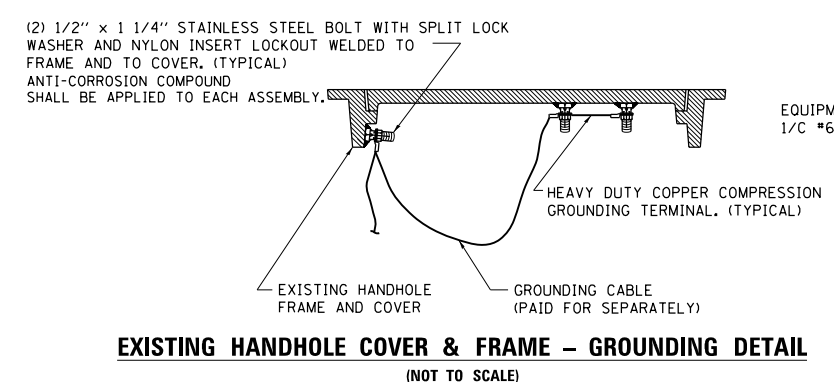


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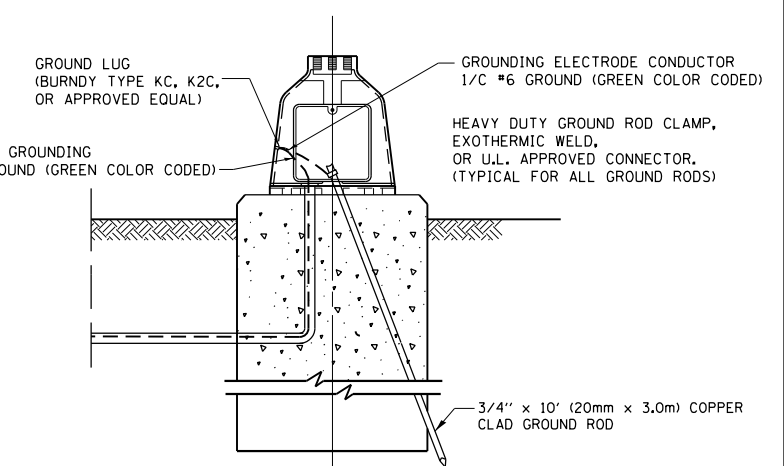
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**SERVICE INSTALLATION GROUND MOUNT
(NOT TO SCALE)**

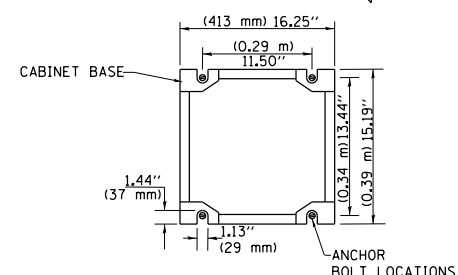


**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)**



**MAST ARM POLE / POST-GROUNDING DETAIL
(NOT TO SCALE)**

**CABINET – BASE BOLT PATTERN
(NOT TO SCALE)**

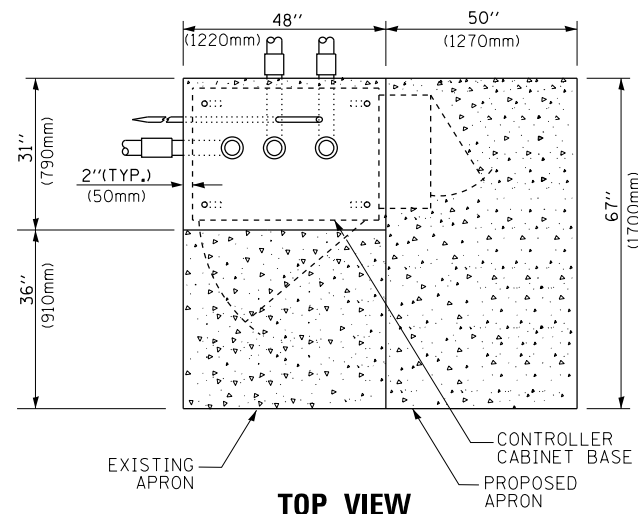


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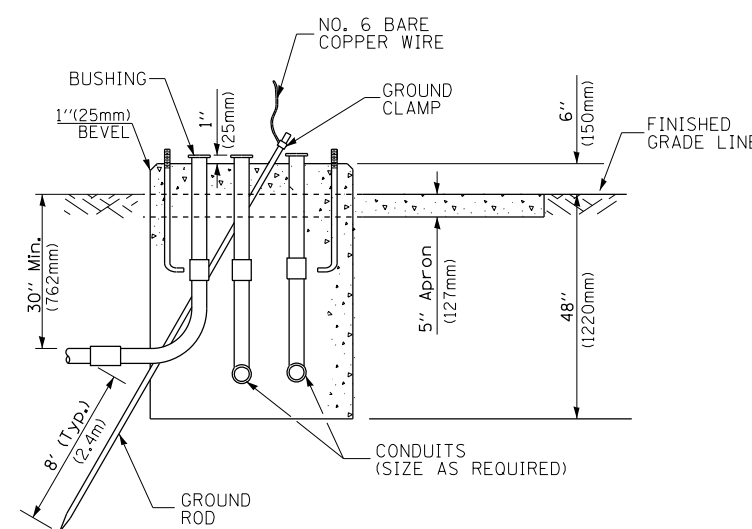
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET 4	OF 7 SHEETS	STA. TO STA.

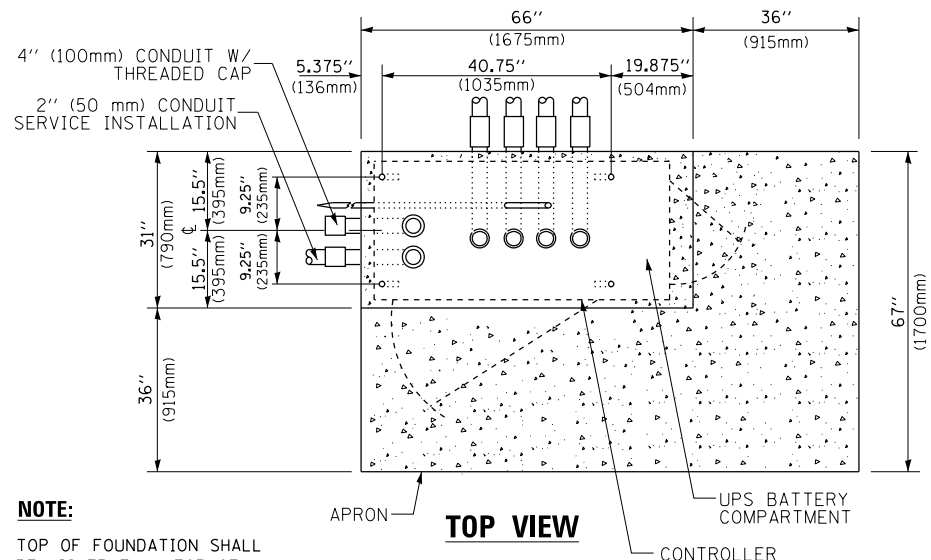
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	37
TS-05		CONTRACT NO. 62B68		
ILLINOIS FED. AID PROJECT				



TOP VIEW

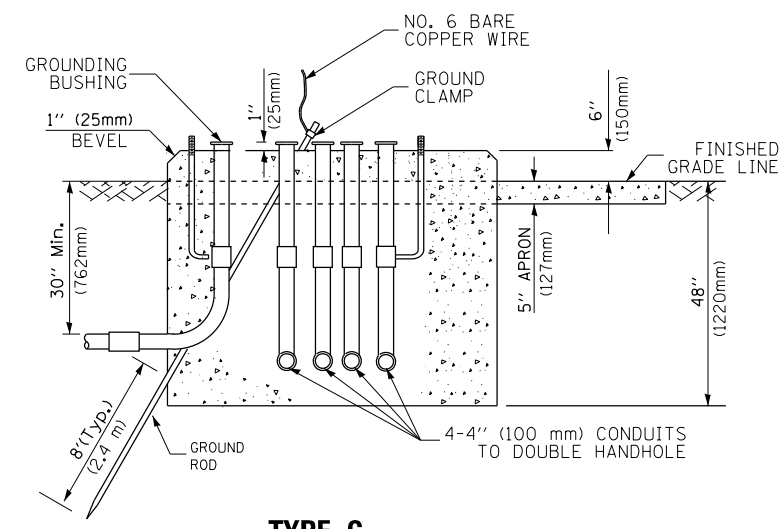


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

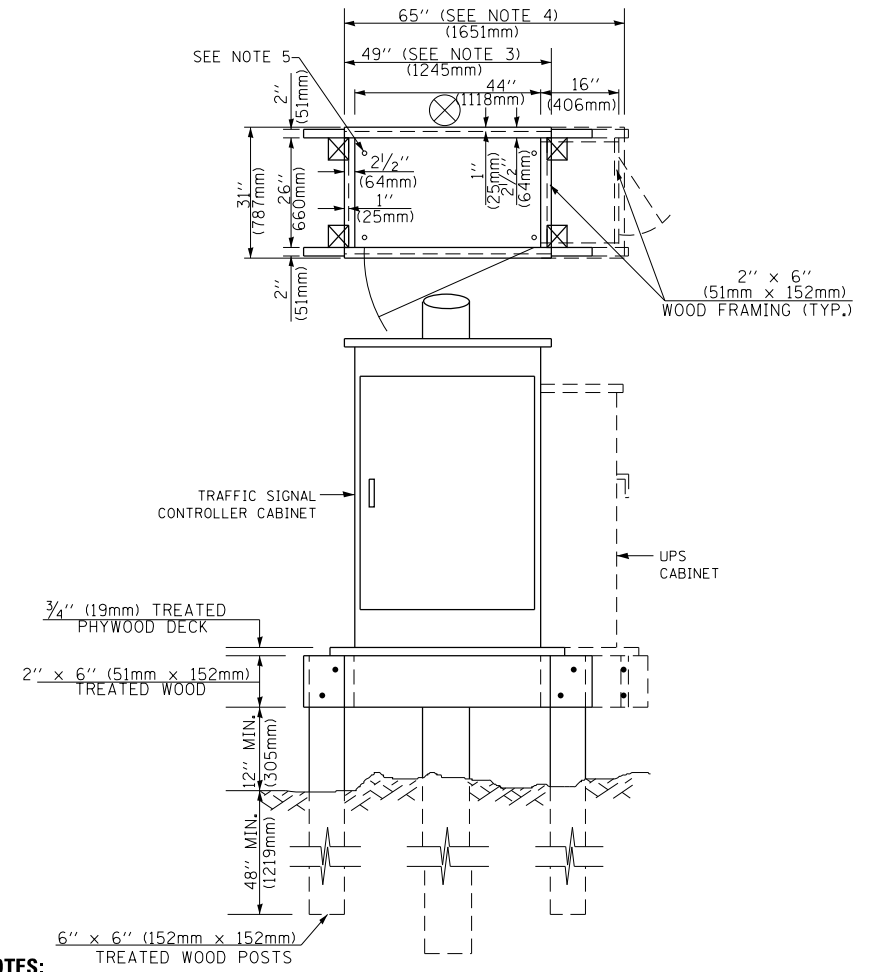


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

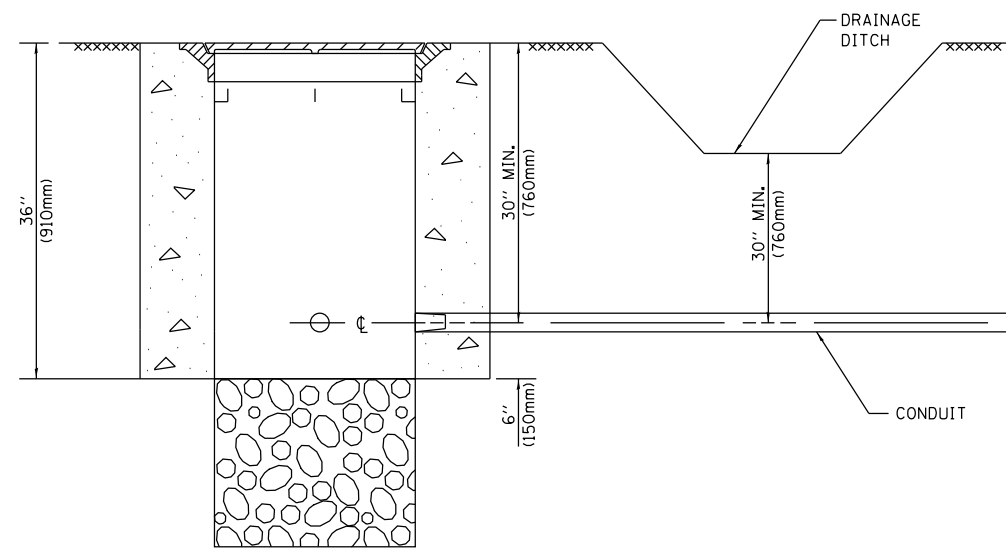
DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
- Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
- For mast arm assemblies with dual arms refer to state standard 878001..

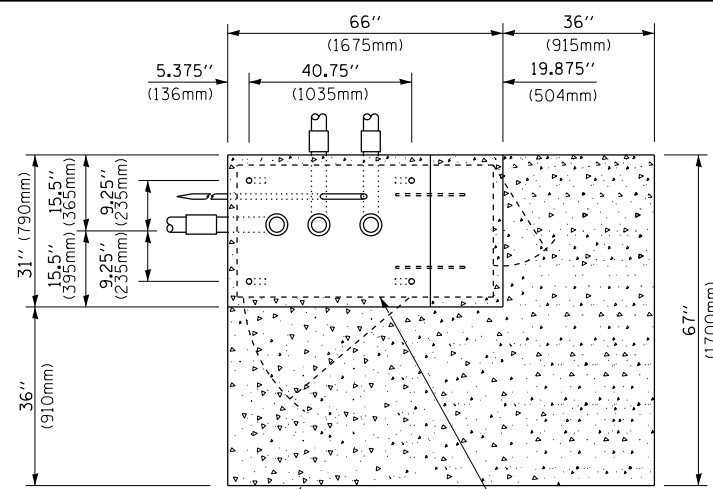
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



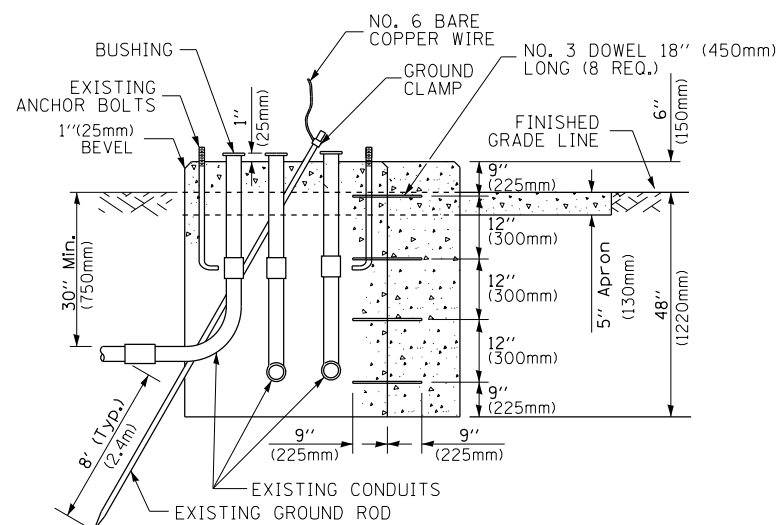
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)

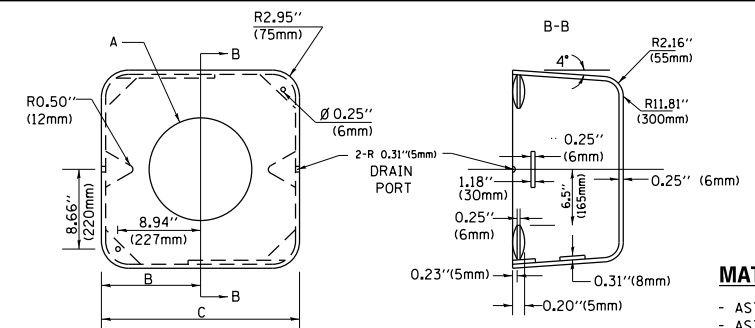


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

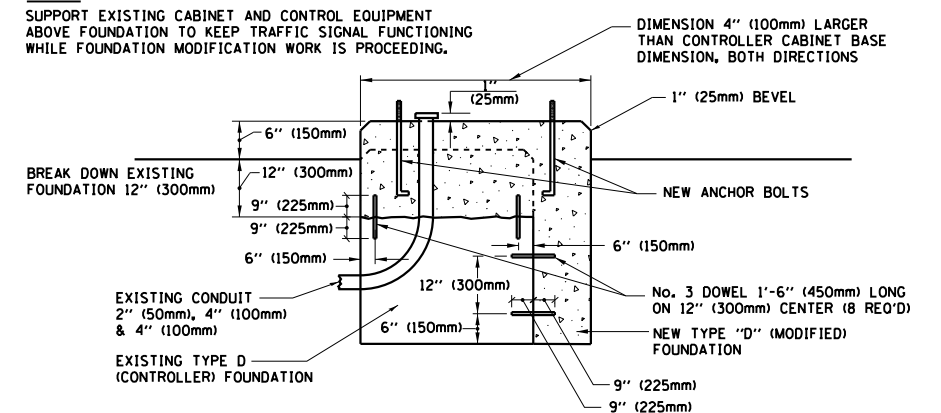
SHROUD

NOTES:

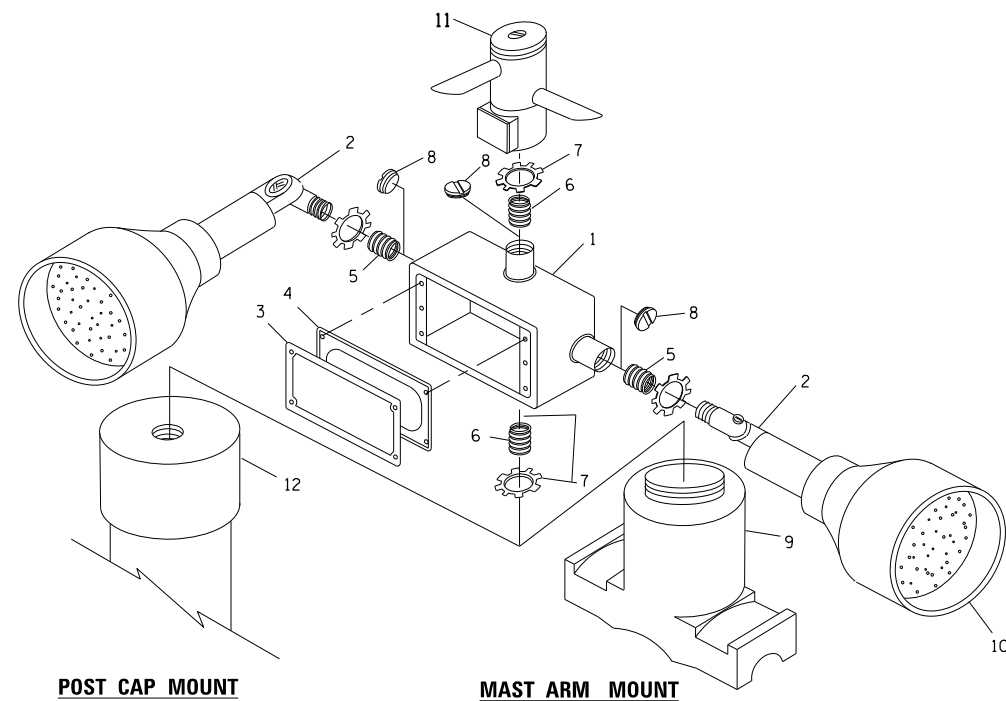
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

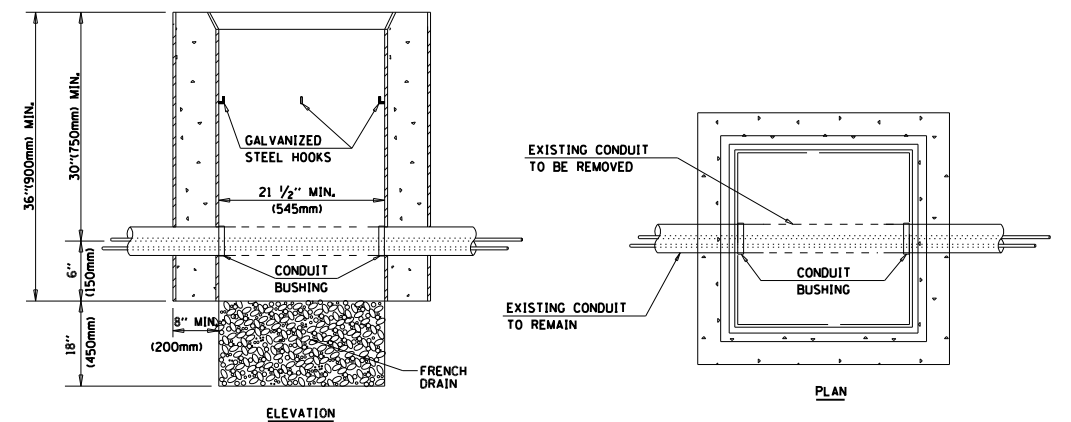
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

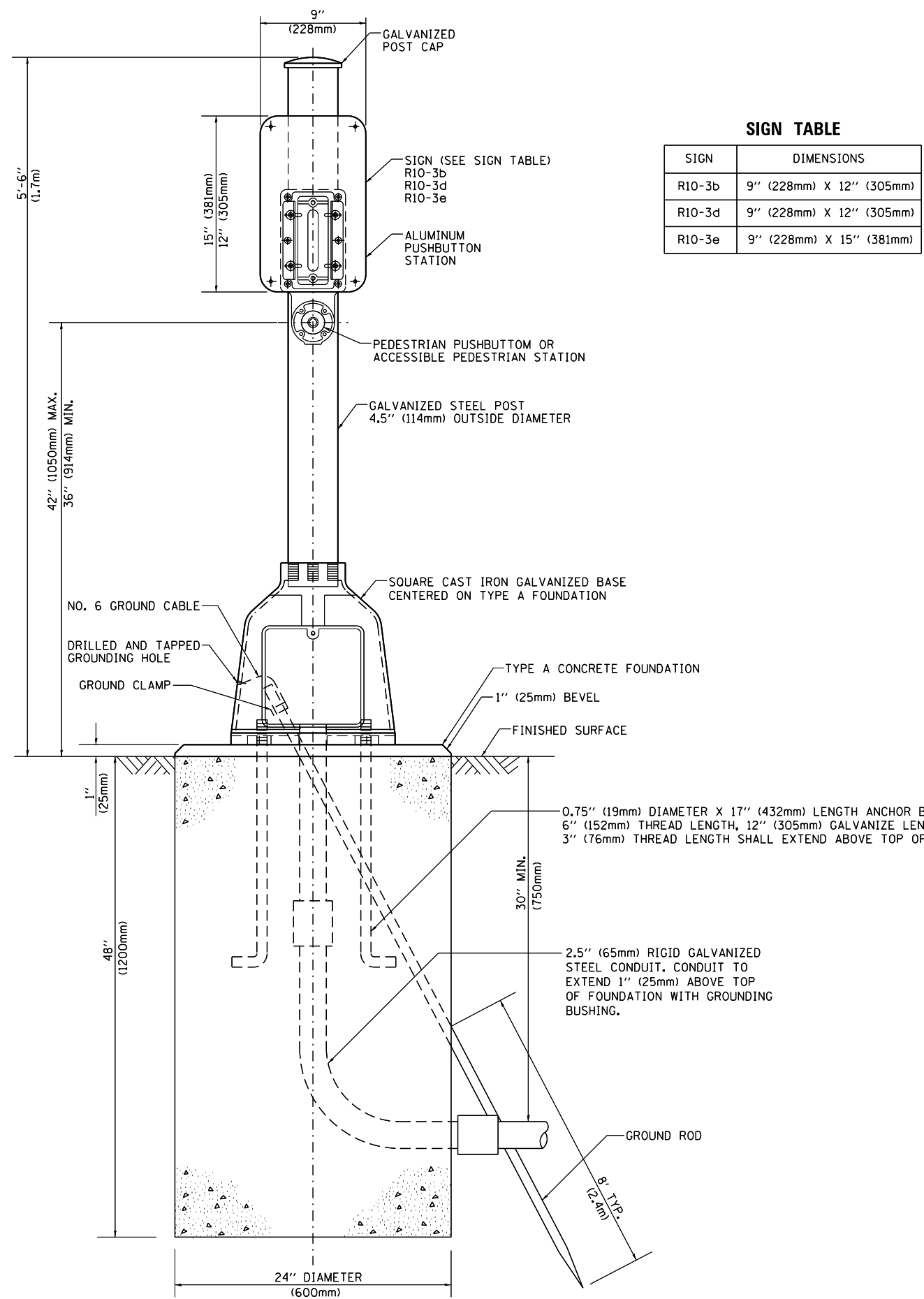
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Default	PLOT DATE = 10/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

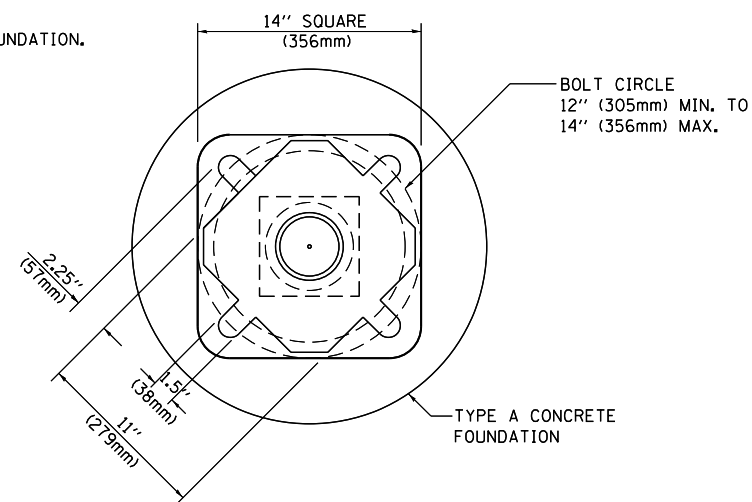
SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	39
TS-05		CONTRACT NO. 62B68		
ILLINOIS FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

FILE NAME =	USER NAME = ledezmar	DESIGNED -	REVISED -
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	PLOT DATE = 10/18/2018	DATE -	REVISED -

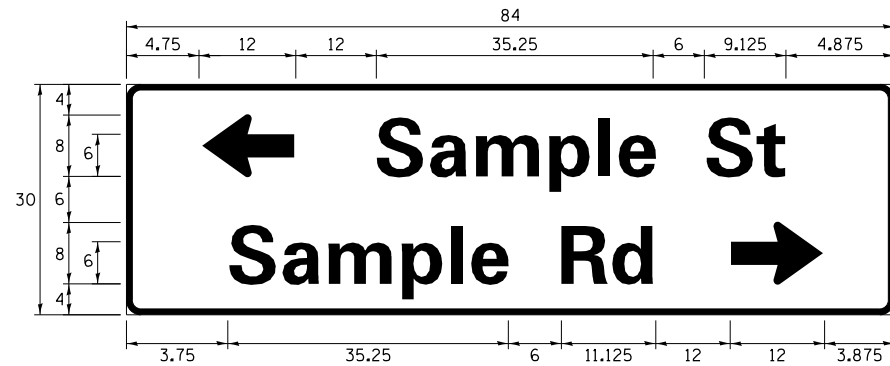
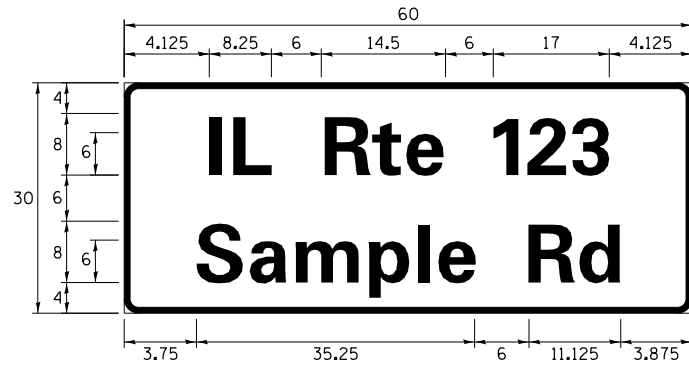
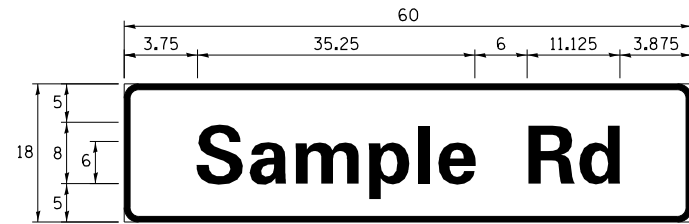
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	40
TS-05			CONTRACT NO. 62B68	
ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

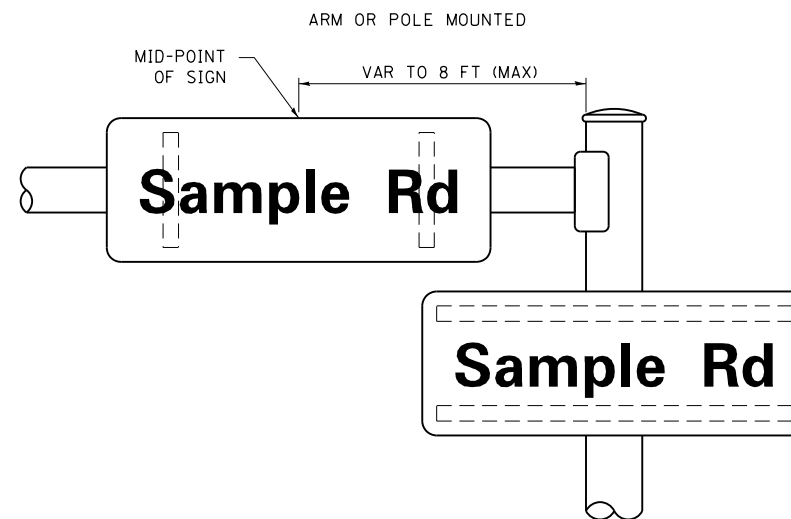
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

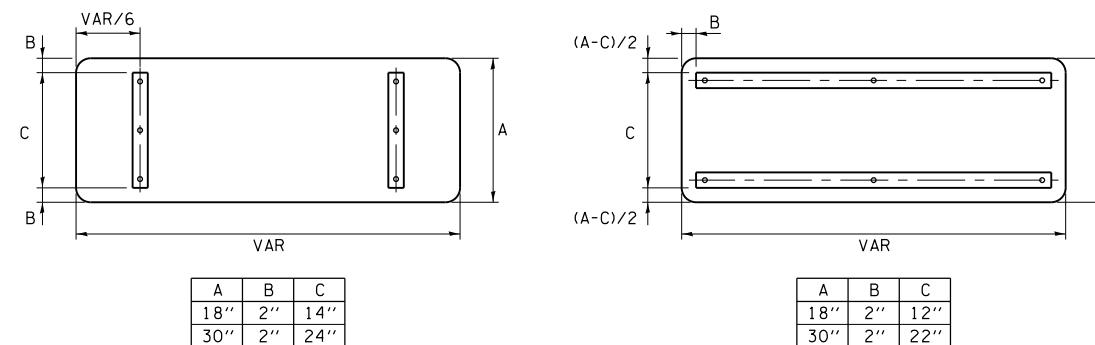
- SIGN CHANNEL PART *HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
PART *HPN034 (UNIVERSAL)
- BRACKETS CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



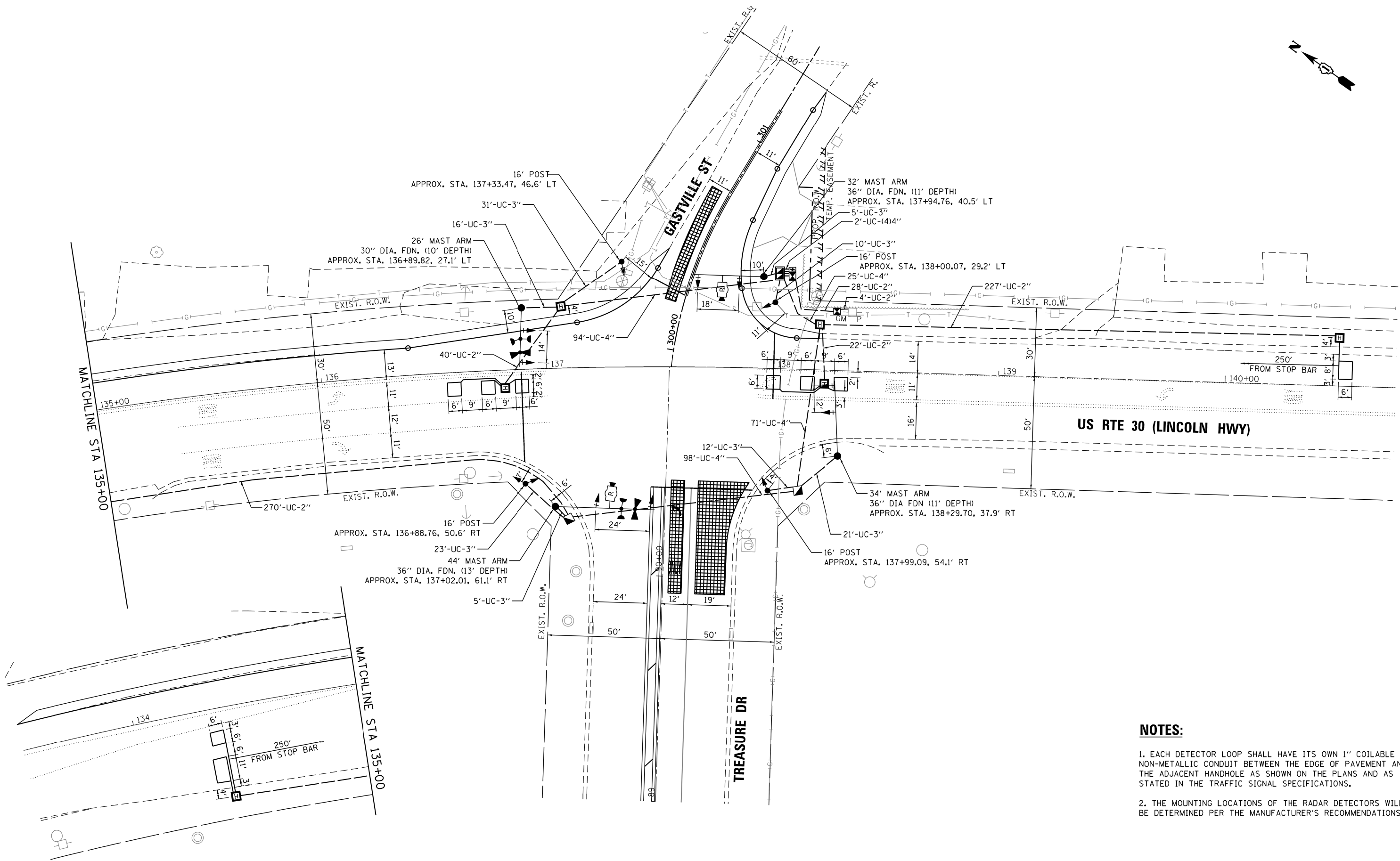
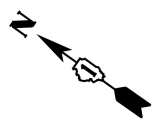
SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240



- NOTES:**
1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
 2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

TS SHT NO. 9

Sam Schwartz Engineering, D.E.C. 303 W. ERIE ST. SUITE 600 CHICAGO, IL 60654 TEL: (773) 305-0800	USER NAME = esolutz	DESIGNED - ECS	REVISED - ECS 10/27/2017
	PLOT SCALE = 40,0000' / in.	DRAWN - ECS	REVISED - ECS 11/28/2017
	PLOT DATE = 11/30/2017	CHECKED - PAW	REVISED -
		DATE - 9/15/2017	REVISED -

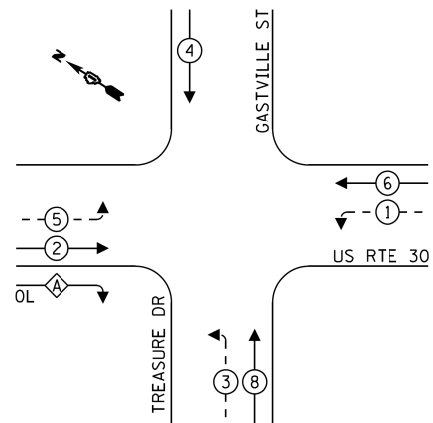
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL PLAN (SHEET 1 OF 2)			
US RTE 30 (LINCOLN HWY) AND TREASURE DR /GASTVILLE ST			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	42
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

TS

PROPOSED CONTROLLER SEQUENCE



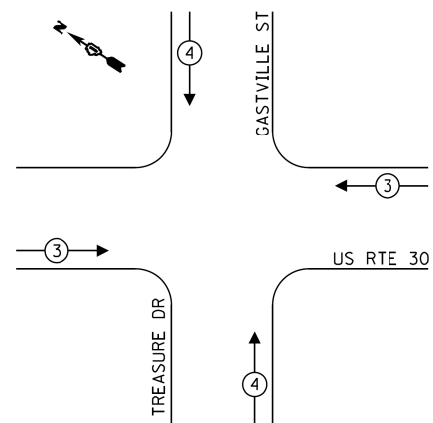
LEGEND:

- ←(*) PROTECTED PHASE
- ←-(*)- PROTECTED/PERMITTED PHASE
- ←-(*)→ PEDESTRIAN PHASE
- ←◇OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE
 A = 2 + 3

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

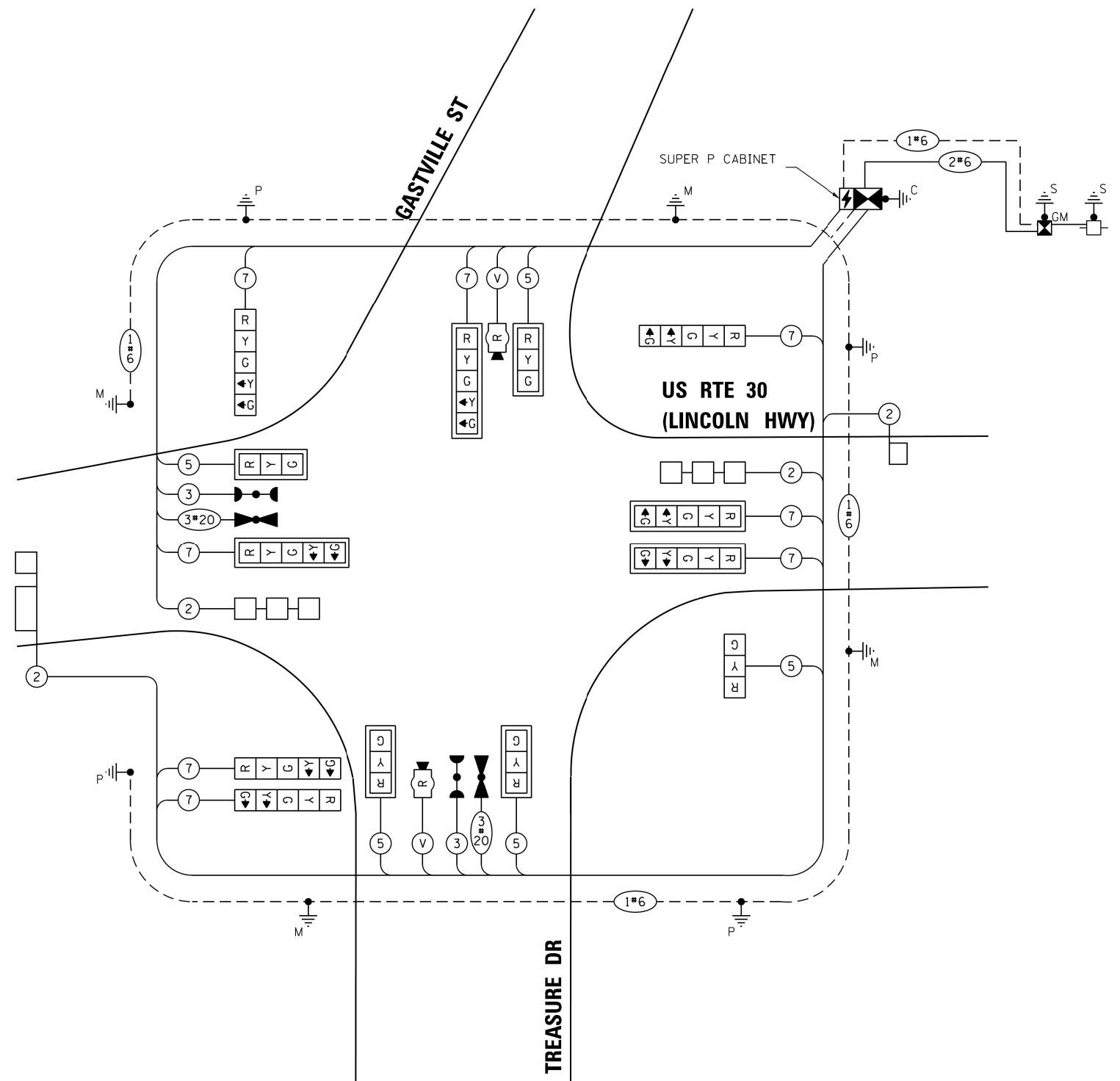
TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	11	50	71.5
(YELLOW)	13	20	5	13.0
(GREEN)	13	12	45	70.2
PERMISSIVE ARROW	16	10	10	16.0
PED. SIGNAL	-	20	100	-
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				295.7

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: JOE STACHO
 PHONE: (630) 424-5704
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

TS SHT NO. 10



CABLE PLAN
(NOT TO SCALE)

Sam Schwartz Engineering, D.B.C.
 303 W. ERIE ST. SUITE 600 CHICAGO, IL 60654 TEL: (773) 305-0800

DESIGNED - ECS	REVISED - ECS 10/27/2017
DRAWN - ECS	REVISED - ECS 11/28/2017
CHECKED - PAW	REVISED -
DATE - 9/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 US RTE 30 (LINCOLN HWY) AND TREASURE DR /GASTVILLE ST

F.A.P. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 43
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

TS

Benchmark:

DESIGN STRESSES
FIELD UNITS

$f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi (Reinforcement)}$

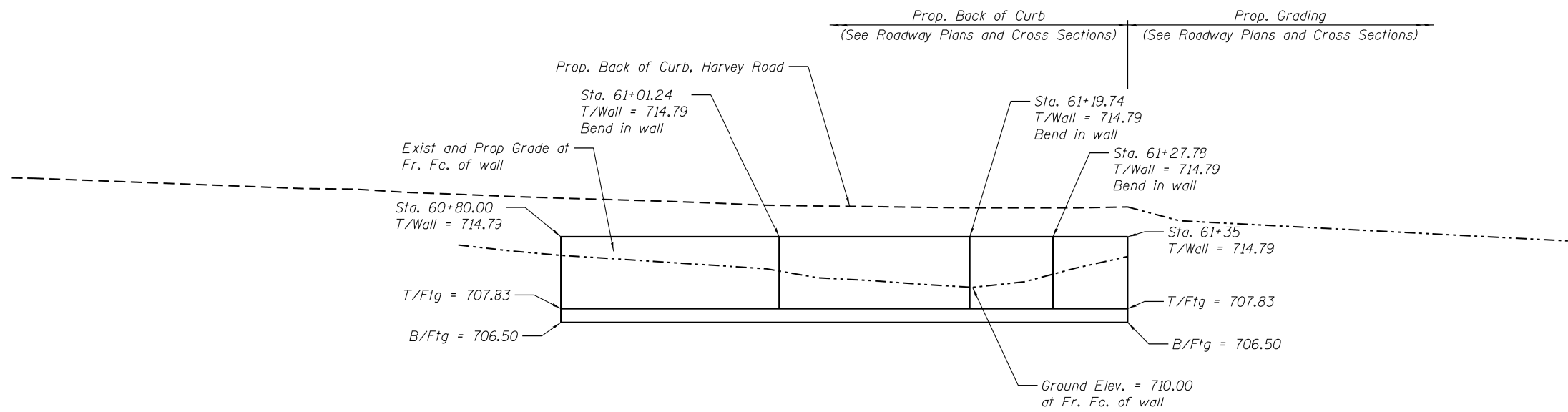
DESIGN SPECIFICATIONS
2014 AASHTO LRFD Bridge Design
Specifications, 7th Edition with 2015 Interims

LEGEND

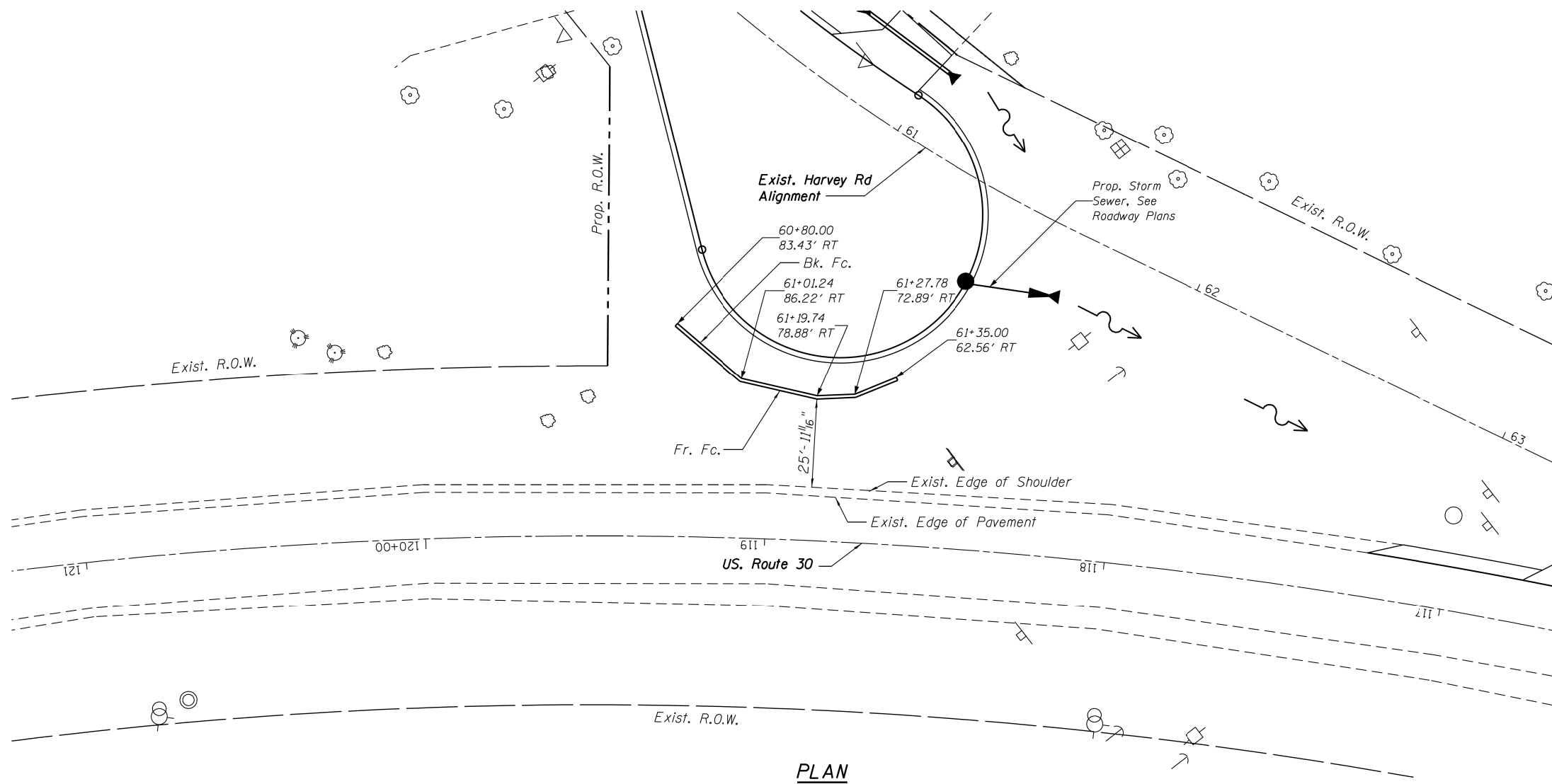
Fr. Fc. = Front Face of Wall
Bk. Fc. = Back Face of Wall
B/Ftg. = Bottom of Footing
T/Ftg. = Top of Footing
T/Wall = Top of Wall

Notes:

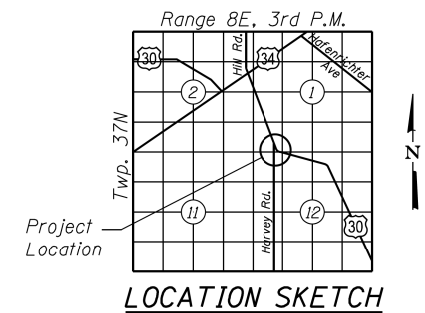
1. Ground slope between Top of Curb and Top of Wall varies 3:1 to 4:1



ELEVATION



PLAN



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
PROPOSED RETAINING WALL
HARVEY ROAD
SECTION # 16-N-1
KENDALL COUNTY
STATION 60+80.00 TO STATION 61+35.00

HRG PROJECT NO.: 86009664
HRG PROJECT ACT: D162868-sht.Wall.dgn
FILE NAME: IL:parf.jw.dwg
PLOT DRIVER: il:parf.jw.dwg
PEN TABLE: plr-habel.tbl



USER NAME = jwhyte	DESIGNED - OS	REVISED -
	CHECKED - JMW	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 9/18/2017	DATE - 9/18/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	45
CONTRACT NO. 62B68				

ILLINOIS FED. AID PROJECT

GENERAL NOTES:

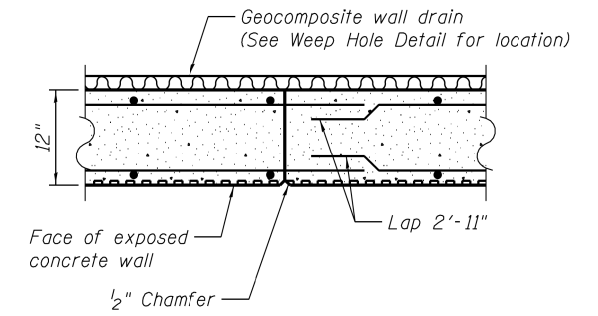
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Over excavation beyond the limits of structure excavation is not measured for payment. Backfill over excavation with same material specified for roadway embankment.
3. "Porous Granular Backfill" and "Removal and Disposal of Unsuitable Material" not included in the Earthwork Schedule have been added for use if Unsuitable Material is encountered in the field as determined by the Engineer. If Unsuitable Material is not encountered, then the quantities shall be deducted and no compensation will be due to the Contractor.

Assumed Quantities:

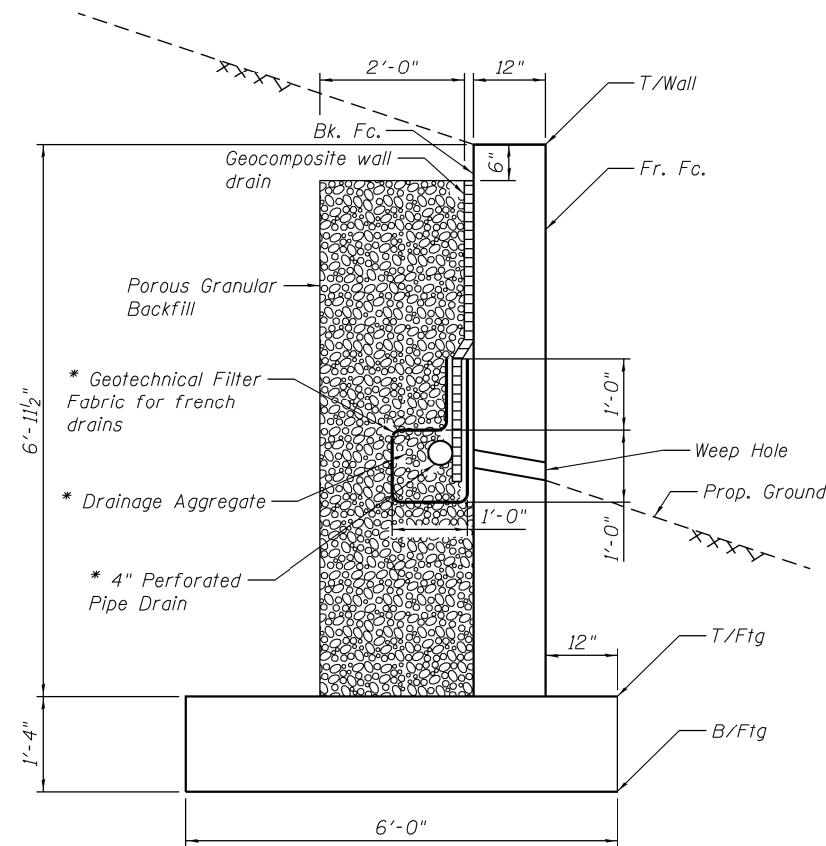
The quantity listed in the Total Bill of Material for Removal and Disposal of Unsuitable Material is assumed for bidding purposes. Payment for this work shall be based on final measured quantity in the field per Article 109.03 of the IDOT Standard Specification. The quantity of Porous Granular Backfill includes both the amount shown in the typical wall section and an amount matching the assumed quantity for Removal and Disposal of Unsuitable Material. The final quantity and payment for Porous Granular Backfill shall also be adjusted per Article 109.03 based on final field measurements.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Porous Granular Backfill	Cu Yd	130
Structure Excavation	Cu Yd	100
Concrete Structures	Cu Yd	42
Reinforcement Bars, Epoxy Coated	Pound	3748
Geocomposite Wall Drain	SQ Yd	57
Pipe Underdrains for Structures 4"	FOOT	76

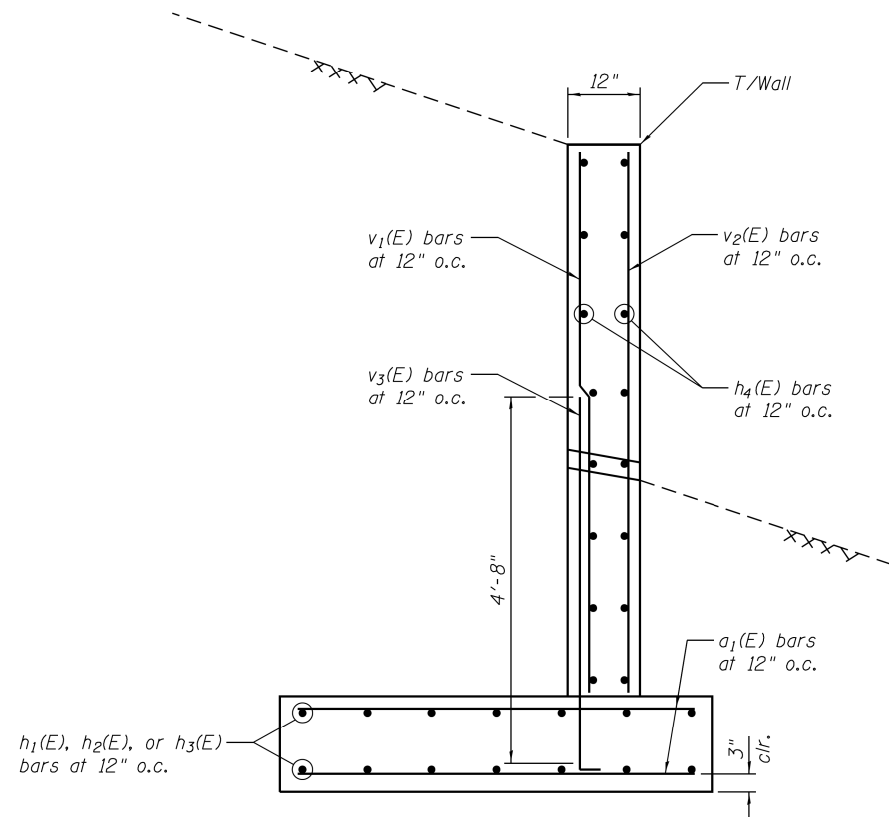


CONSTRUCTION JOINT



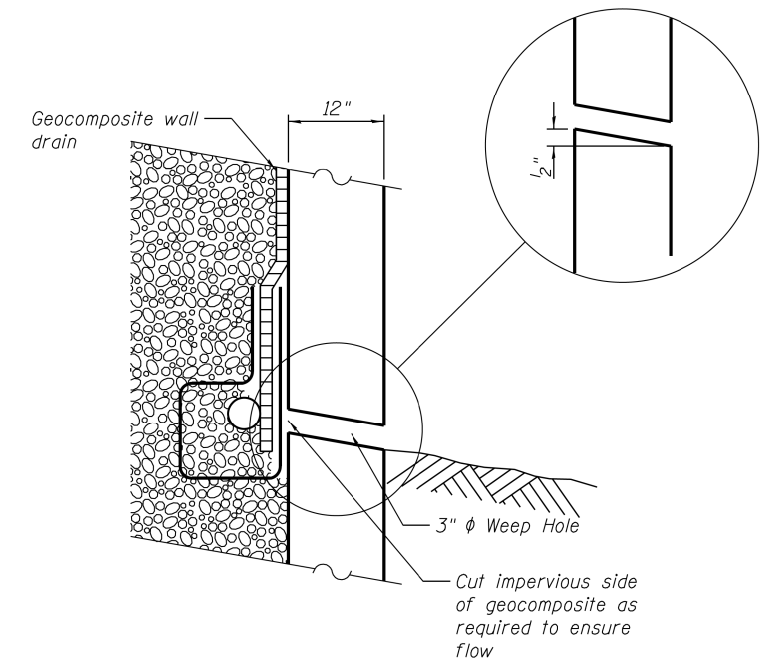
RETAINING WALL TYPICAL SECTION

* = Included in Cost of Pipe Underdrain for Structures



RETAINING WALL TYPICAL SECTION

Showing reinforcement



WEEP HOLE DRAIN DETAIL

DATE PRINTED: 9/18/2017
 CHECKED: BK,CHK: CORRE:
 INITIALS: _____ DATE: _____



HRG PROJECT NO.: 860096.64
 HRG PROJ. CONT. ACT: D:\2868-sht.Wall-Notes.dgn
 FILE NAME: IL_perf_dw.dwg
 PLOT DRIVER: plott01.tbl
 PEN TABLE:

HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = bhar.tma	DESIGNED - OS	REVISED -
PLOT SCALE =	CHECKED - JMW	REVISED -
PLOT DATE = 9/18/2017	DRAWN - WJH	REVISED -
	DATE - 9/18/2017	REVISED -

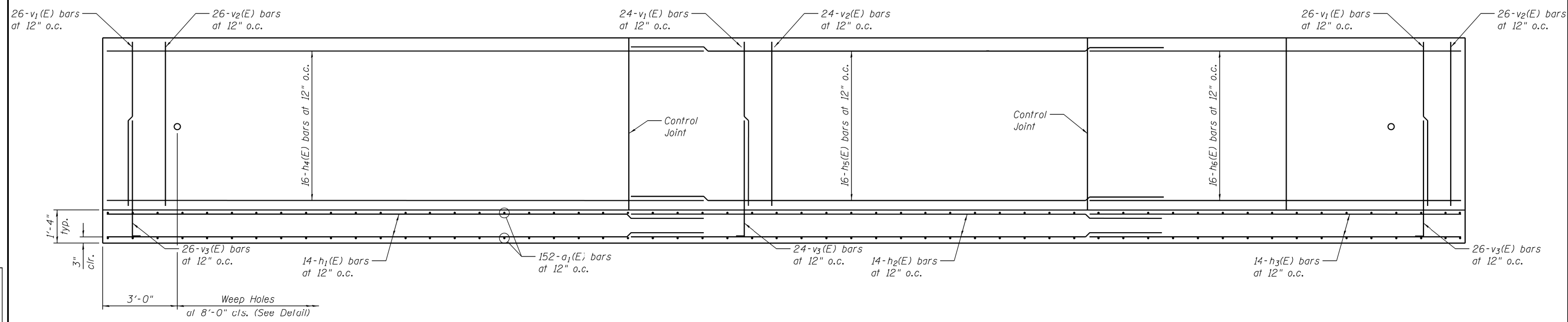
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
HARVEY ROAD RETAINING WALL
 SHEET NO. 2 OF 4 SHEETS

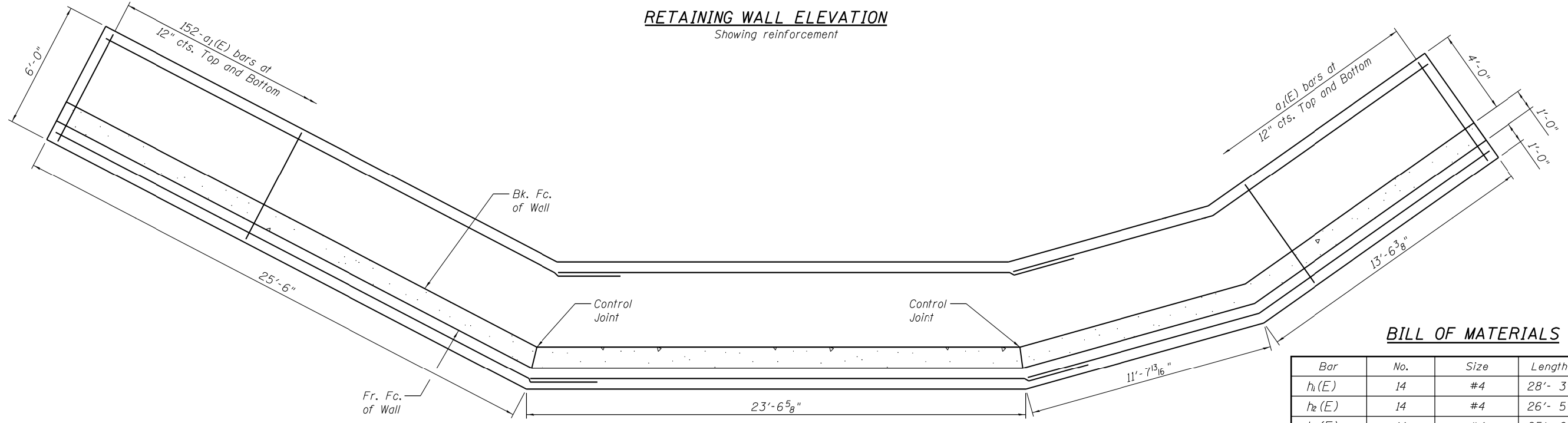
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	46
CONTRACT NO. 62B68				

ILLINOIS FED. AID PROJECT

DATE PRINTED: 9/18/2017
 CHECKED: BK,CHK
 CORR: CORRE
 INITIALS: _____
 DATE: _____



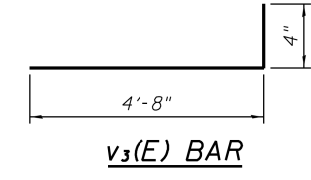
RETAINING WALL ELEVATION
 Showing reinforcement



RETAINING WALL FOOTING PLAN
 Showing reinforcement

BILL OF MATERIALS

Bar	No.	Size	Length	Shape
$h_1(E)$	14	#4	28'- 3"	—
$h_2(E)$	14	#4	26'- 5"	—
$h_3(E)$	14	#4	25'- 0"	—
$h_4(E)$	16	#4	28'- 0"	—
$h_5(E)$	16	#4	26'- 1"	—
$h_6(E)$	16	#4	24'- 6"	—
$a_1(E)$	152	#5	5'- 8"	—
$V_1(E)$	76	#5	6'- 8"	—
$V_2(E)$	76	#4	6'- 8"	—
$V_3(E)$	76	#5	5'- 0"	└┘
Item	Unit	Total		
Structure Excavation	Cu Yd	100		
Concrete Structures	Cu Yd	42		
Reinforcement Bars, Epoxy Coated	Pound	3,748		
Geocomposite Wall Drain	Sq Yd	57		



HRG PROJECT NO.: 86009664
 HRG PROJ. CONT. ACT: 0162868-sht.Wall-Det-Details.dgn
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 PLOT DRIVER: IL:\proj_dw\hrfg\p10-habel.tbl
 PEN TABLE:



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	CHECKED - JMW	REVISED -
PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 9/18/2017	DATE - 9/18/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WALL DETAILS
 HARVEY ROAD RETAINING WALL

SHEET NO. 3 OF 4 SHEETS

F.A.U. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 47
CONTRACT NO. 62B68			ILLINOIS FED. AID PROJECT	

SEECO CONSULTANTS, INC. SOIL BORING LOG										Page 1 Of 1	
ROUTE FAP 349 (U.S. Rte. 30)		DESCRIPTION U.S. Rte. 30 Improvements		Logged By DK		Date 9/15/16					
SECTION		LOCATION At Harvey Road, Oswego, IL				SEC 1 & 12 TWP. 37N Rng. 8E		PM 3rd			
COUNTY Kendall		STRUCTURE NO.		(Exist.)		(Prop.)					
Boring No. SB-2		Drilling Method AASHTO T 206-09		Hammer Type Automatic Hammer							
Station 60+62		E L P T S U M		Surf. Wat. El.		E L P T S U M					
Offset 70' RT		V. H N Qu T.		Groundwater Elev.:		V. H N Qu T.					
Ground Surface El. +712.88 +/- M.S.L.		(M.S.L.) (ft.) (blows) (TSF) (%)		When Drilling Dry		at Completion Dry		After Hrs			
15" CLAY TOPSOIL, Dark Brown, Trace Sand and Gravel (A-7-5)		711.6		1.0							
CLAY, Brown and Gray, Trace Gravel, Very Stiff, Moist (A-6)		2.0		7		3.00 P		23.1			
(Atterberg Limits Test) (LL=31, PL=16, PI=15)		3.0		7							
		4.0		5							
		5.0		7		2.75 P		16.7			
		6.0		6							
		7.0		8		2.47 B		17.1			
		8.0		11							
		9.0		6							
		10.0		6		3.09 B		17.7			
End of Boring at 10 Feet.		702.9		10.0		9					
		11.0									
		12.0									
		13.0									
		14.0									
		15.0									


N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bulge S=Shear P=Penetrometer Test
 Split Spoon Sampler 24" with 140lb hammer falling 30" DRILL RIG: Truck Mounted Diedrich (Model D-50)
 4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 10612G-11


SEECO CONSULTANTS, INC. SOIL BORING LOG										Page 1 Of 1	
ROUTE FAP 349 (U.S. Rte. 30)		DESCRIPTION U.S. Rte. 30 Improvements		Logged By DK		Date 9/15/16					
SECTION		LOCATION At Harvey Road, Oswego, IL				SEC 1 & 12 TWP. 37N Rng. 8E		PM 3rd			
COUNTY Kendall		STRUCTURE NO.		(Exist.)		(Prop.)					
Boring No. SB-3		Drilling Method AASHTO T 206-09		Hammer Type Automatic Hammer							
Station 61+23		E L P T S U M		Surf. Wat. El.		E L P T S U M					
Offset 60' RT		V. H N Qu T.		Groundwater Elev.:		V. H N Qu T.					
Ground Surface El. +713.91 +/- M.S.L.		(M.S.L.) (ft.) (blows) (TSF) (%)		When Drilling Dry		at Completion Dry		After Hrs			
15" SILTY CLAY LOAM TOPSOIL, Dark Brown and Brown, Trace Roots, Hard, Moist (A-7-5)		712.7		1.0		6		4.00 P		20.2	
CLAY, Brown, Trace Gravel, Hard, Moist (A-6)		2.0		5		4.33 S		18.7			
		3.0		6							
CLAY, Brown and Gray, Trace Gravel, Very Stiff to Hard, Moist (A-6)		710.4		4.0		6					
(Atterberg Limits Test) (6-7.5') (LL=31, PL=17, PI=14)		5.0		8		3.92 S		14.7			
		6.0		9							
		7.0		9		4.45 S		16.4			
		8.0		12							
CLAY, Brown, Trace Gravel, Very Stiff, Moist (A-6)		705.4		9.0		5					
		10.0		7		2.47 B		18.1			
End of Boring at 10 Feet.		703.9		10.0		6					
		11.0									
		12.0									
		13.0									
		14.0									
		15.0									

N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bulge S=Shear P=Penetrometer Test
 Split Spoon Sampler 24" with 140lb hammer falling 30" DRILL RIG: Truck Mounted Diedrich (Model D-50)
 4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 10612G-11

DATE PRINTED: 9/15/2017
 CHECKED: BK CHK: CORRE:
 INITIALS: _____ DATE: _____


HRG PROJECT NO.: 860096.64
 HRG PROJECT CONTACT: DJE2868-sht.Wall-Soil-Bor-Ins-09
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 PLOT DRIVER: Plo-Habel.tbl
 PEN TABLE:

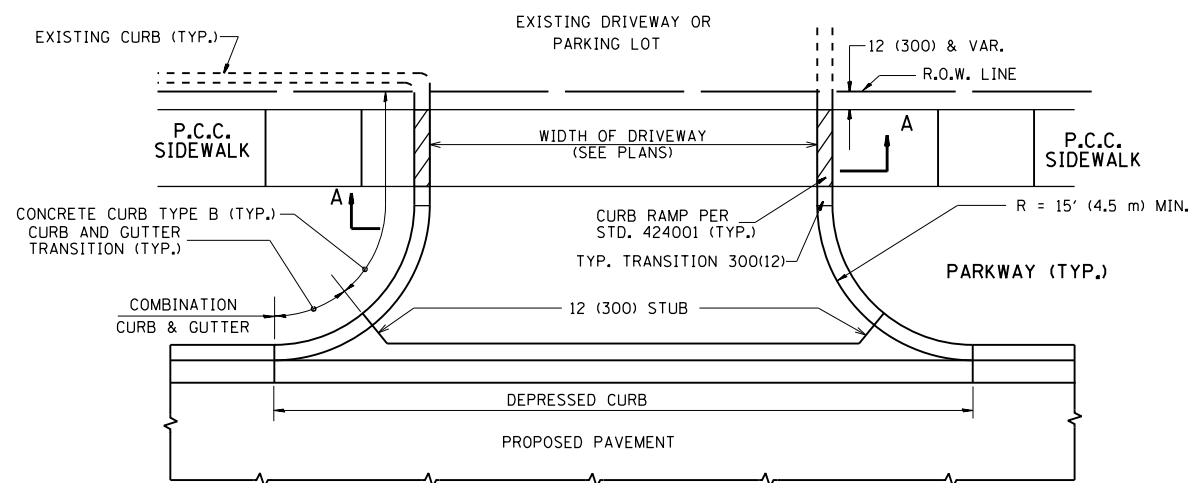
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			PLOT SCALE =	REVISED -
			PLOT DATE = 9/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

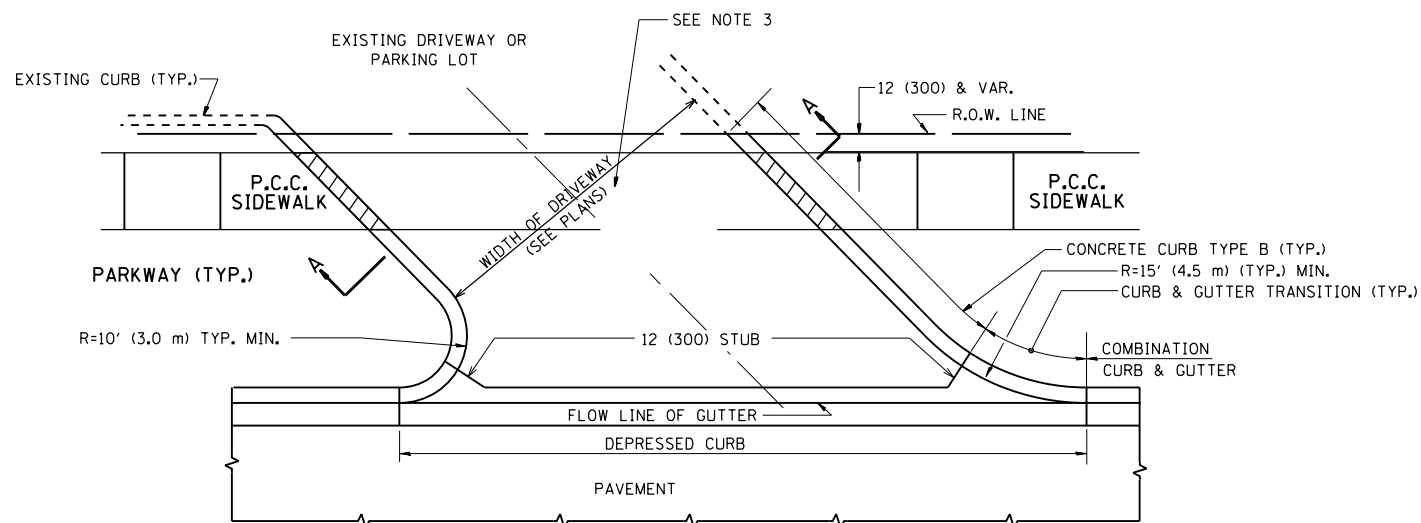
SOIL BORING LOGS
 HARVEY ROAD RETAINING WALL

SHEET NO. 4 OF 4 SHEETS

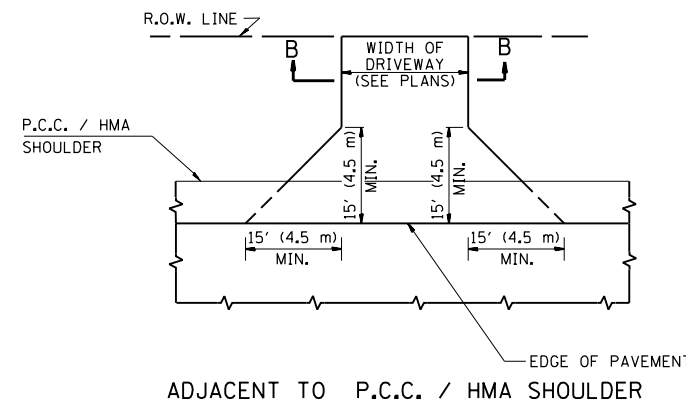
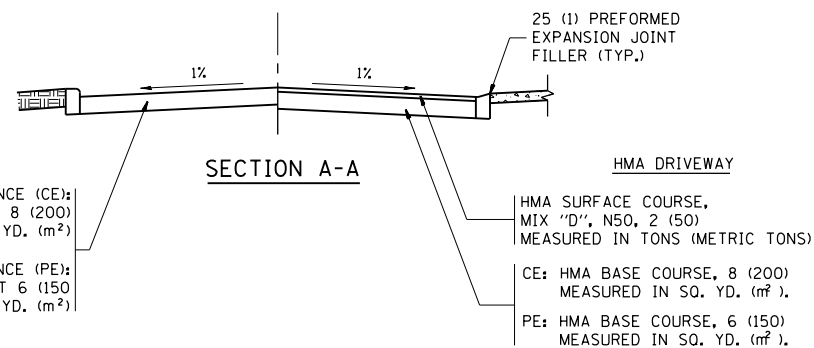
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	48
CONTRACT NO.			62B68	
ILLINOIS FED. AID PROJECT				



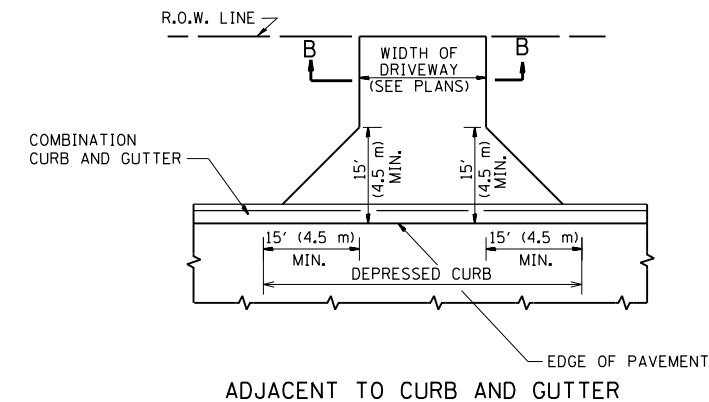
WITH CONCRETE CURB, TYPE B



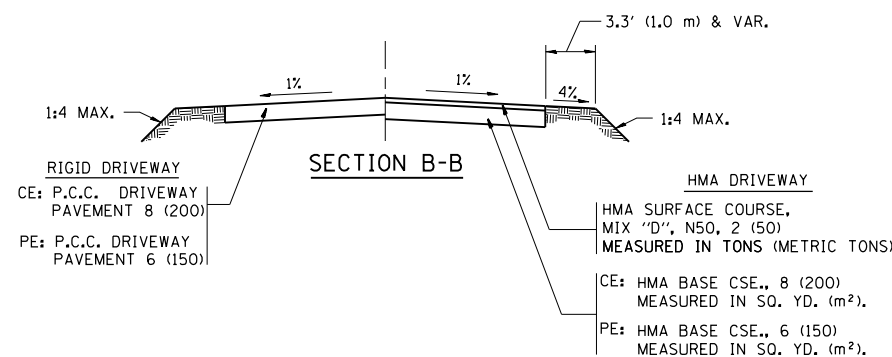
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

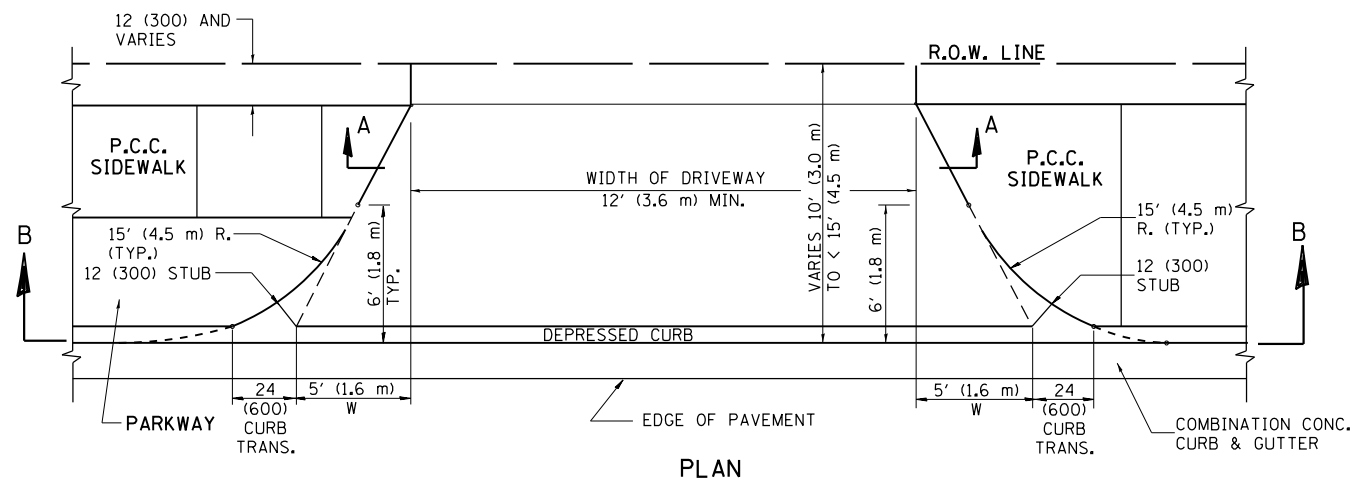
FILE NAME =	USER NAME = ldezmar	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI222\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0002' / 1"		DATE - 11-04-95	REVISED - R. BORO 06-11-08
PLOT DATE = 10/18/2018			REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

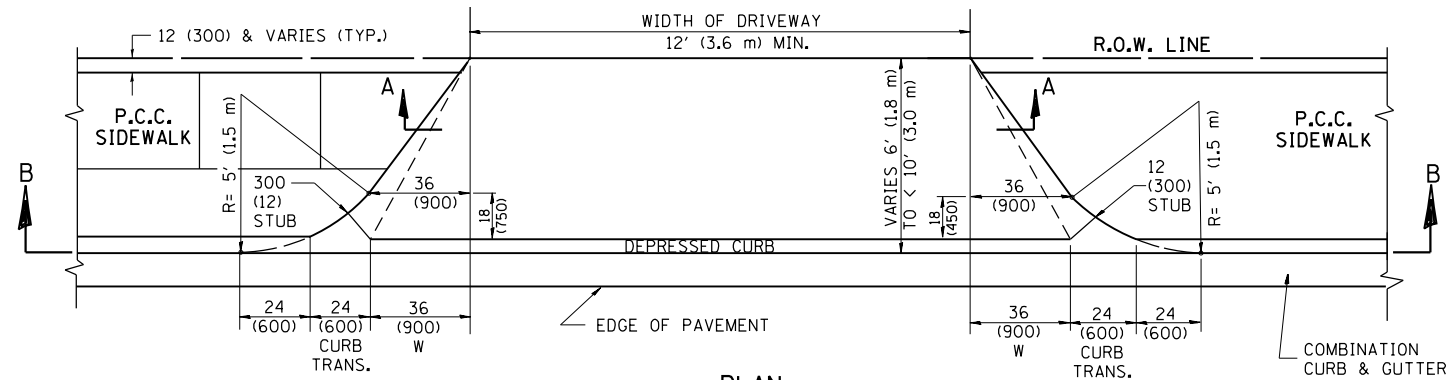
**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**

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

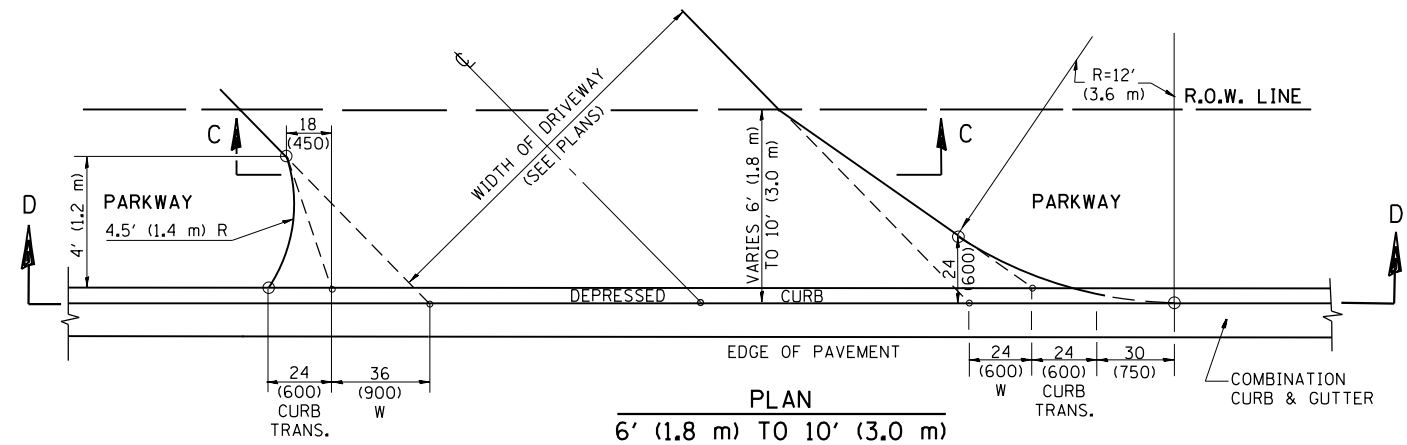
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	49
BD0156-07 (BD-01)		CONTRACT NO. 62B68		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



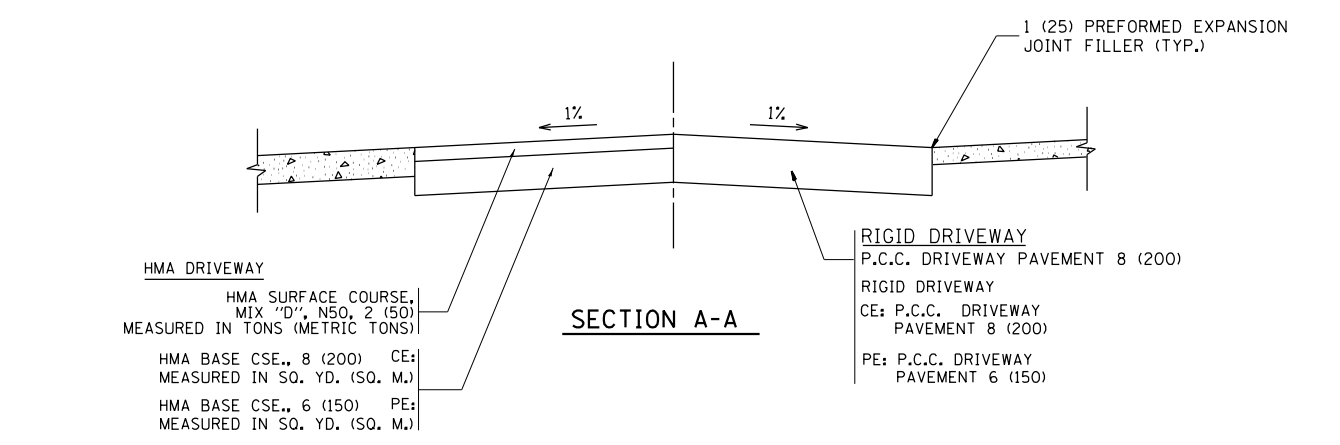
PLAN
10' (3.0 m) TO < 15' (4.5 m)



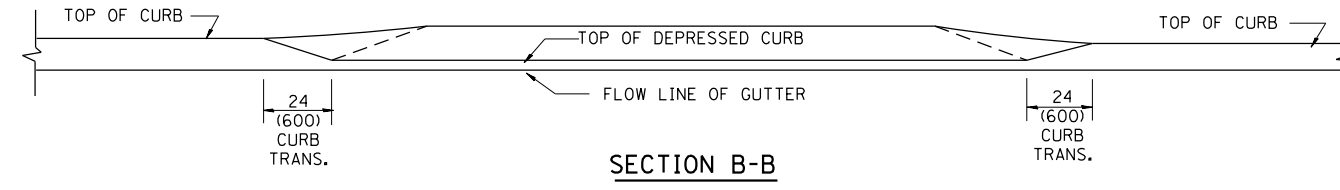
PLAN
6' (1.8 m) TO < 10' (3.0 m)



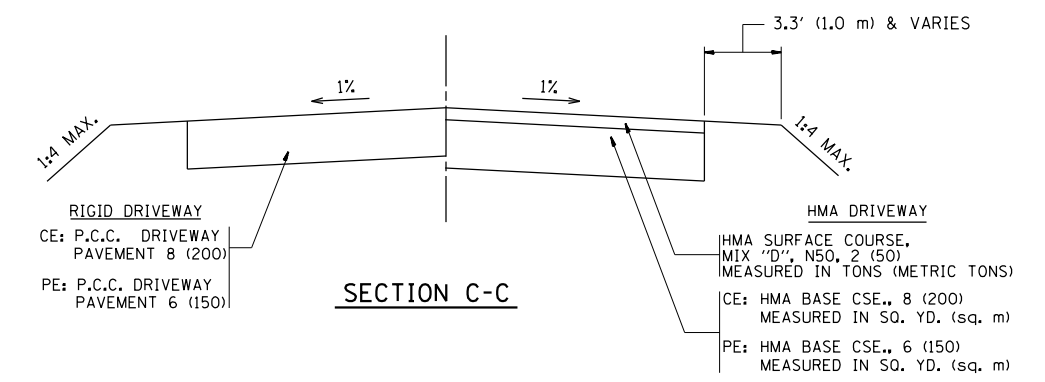
PLAN
6' (1.8 m) TO 10' (3.0 m)



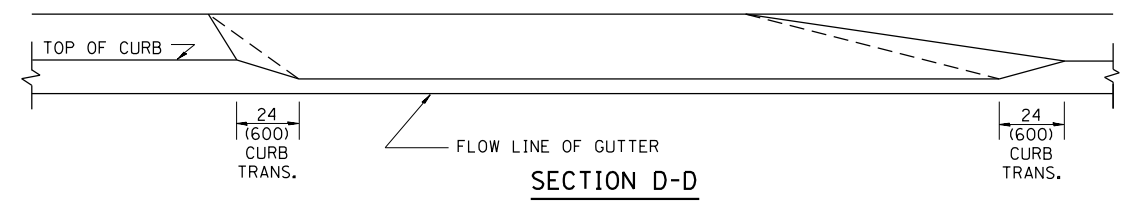
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

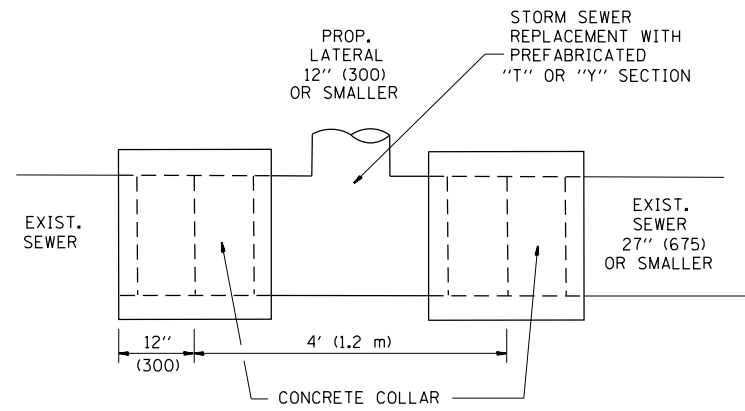
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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p:\1\084EBIDINTEG.illinois.gov\PI\DOT Documents\DOT Offices\District 1\Projects\PI222\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - P. LaFLEUR 04-15-03
		DATE - 11-06-95	REVISED - R. BORO 01-01-07
			REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

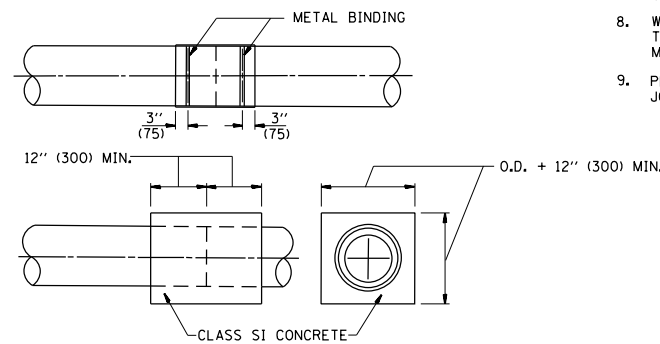
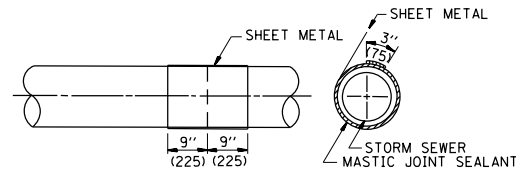
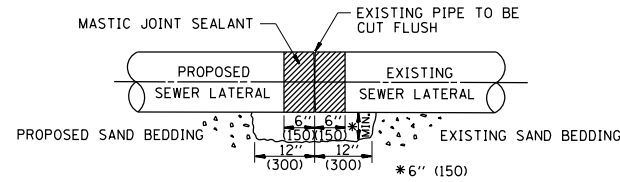
DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	50
BD400-02 (BD-02)			CONTRACT NO. 62B68	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



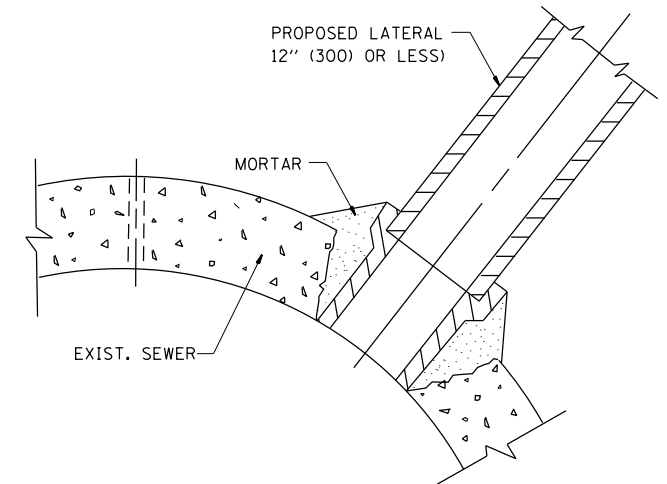
DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

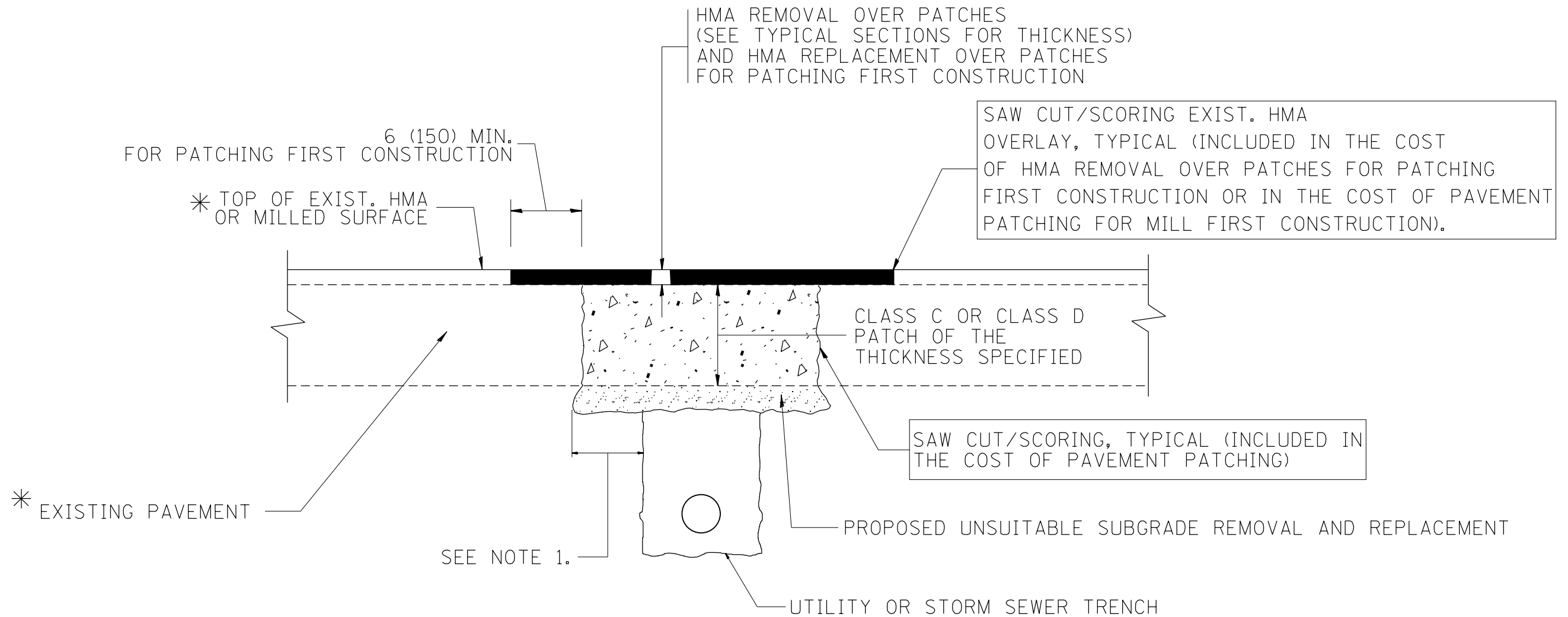
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pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI222\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - R. SHAH 09-09-94
		DATE - 07-25-90	REVISED - R. SHAH 10-25-94
			REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	51
BD500-01 (BD-7)		CONTRACT NO. 62B68		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

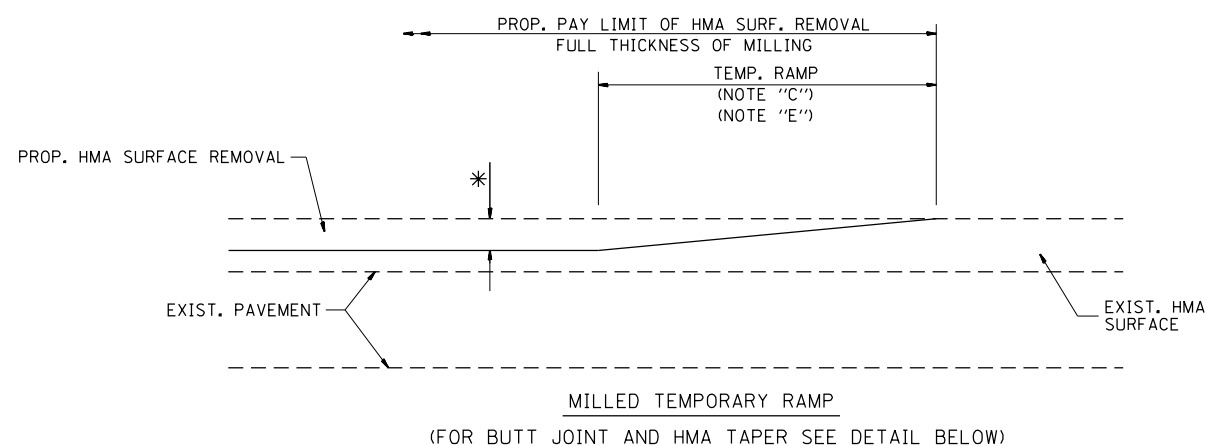
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

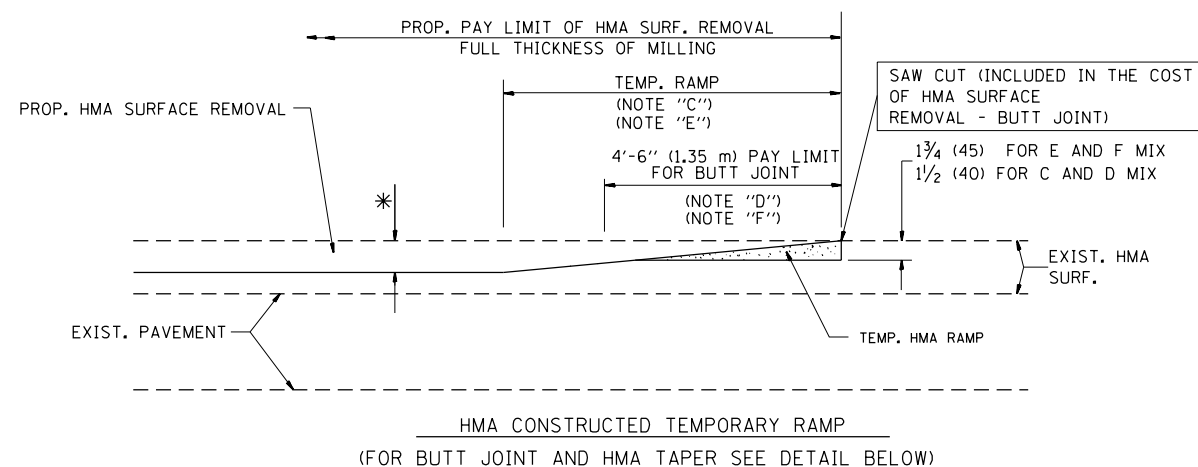
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = ldezma	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI222\Drawings\Design\DistStd.dgn	PLotted SCALE = 100.0002' / in.	CHECKED -	REVISED - R. BORO 01-01-07					349	16-N-1	KENDALL	75	52
	PLOT DATE = 10/18/2018	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 62B68				
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

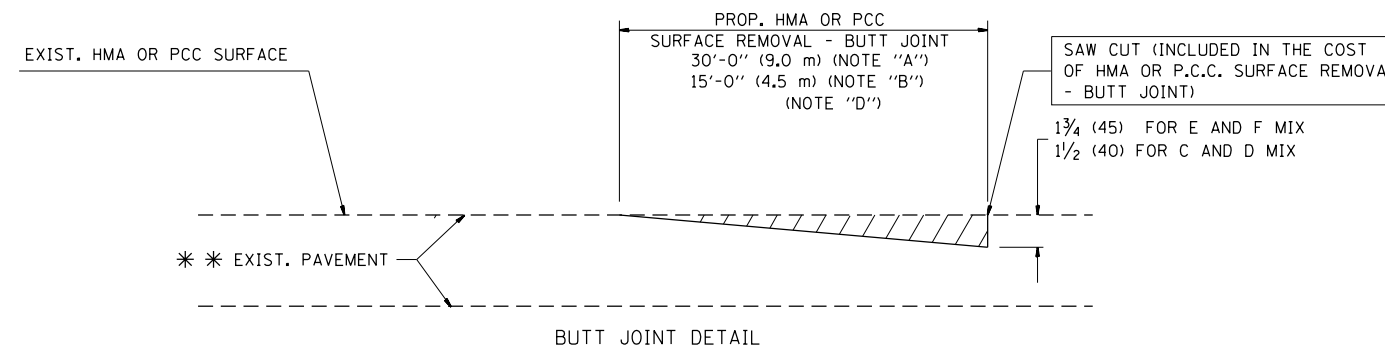


OPTION 1

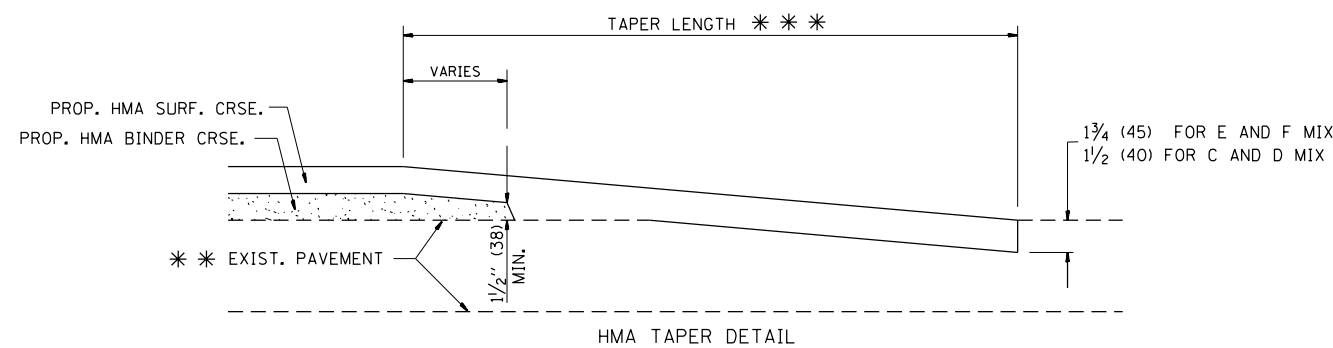


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

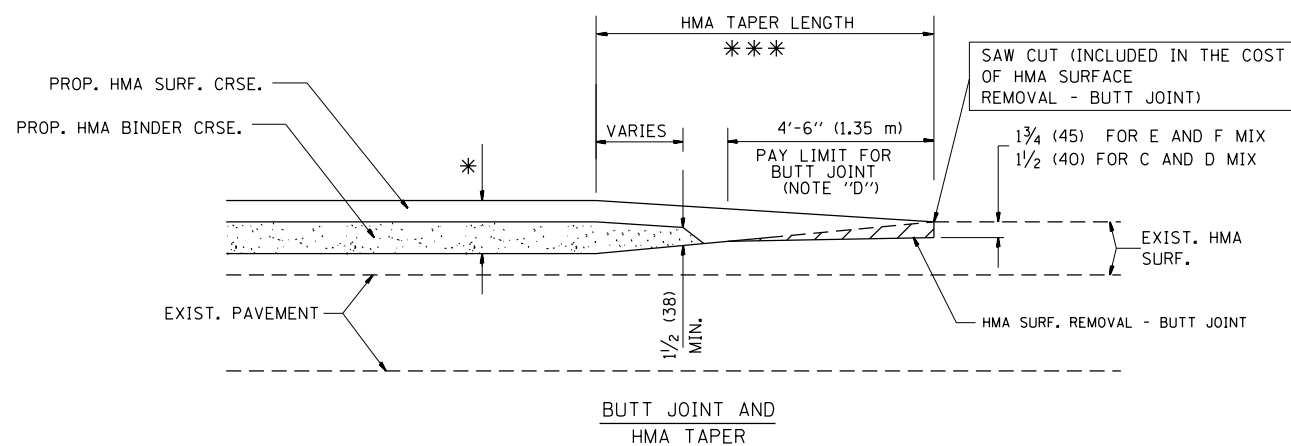
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

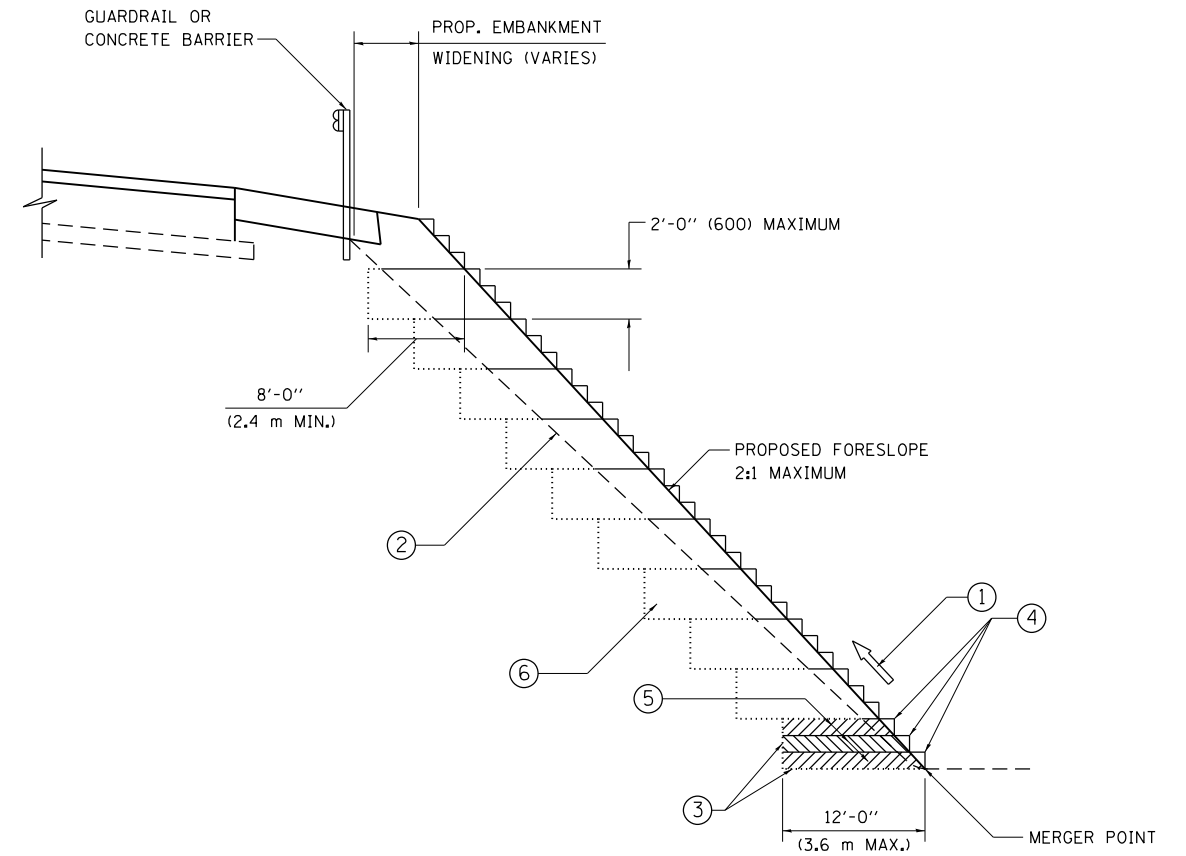
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	PLOT DATE = 10/18/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	53
BD400-05 BD32		CONTRACT NO. 62B68		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

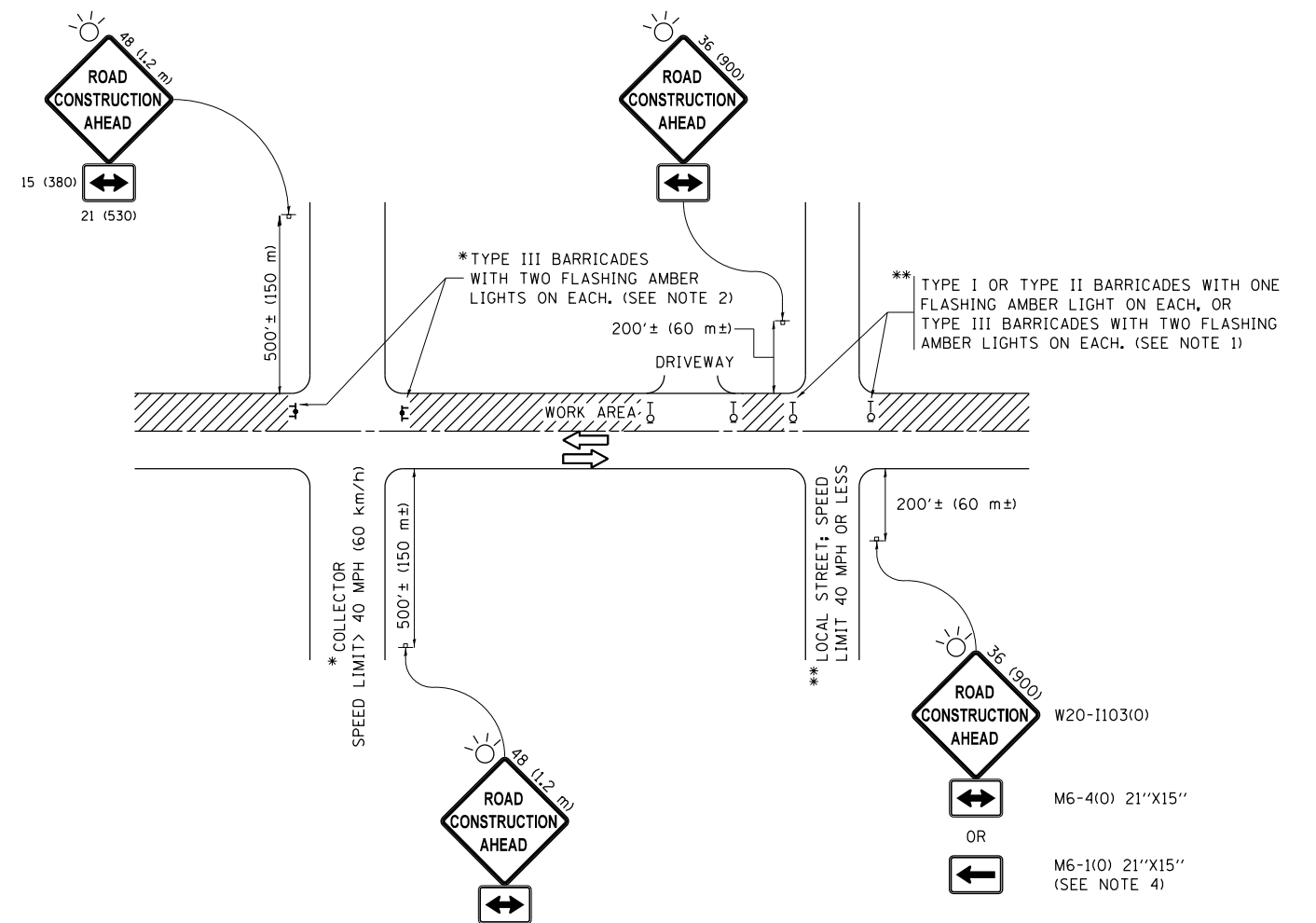
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	PLOT DATE = 10/18/2018	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	54
BD-51			CONTRACT NO. 62B68	
ILLINOIS FED. AID PROJECT				



NOTES:

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 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. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

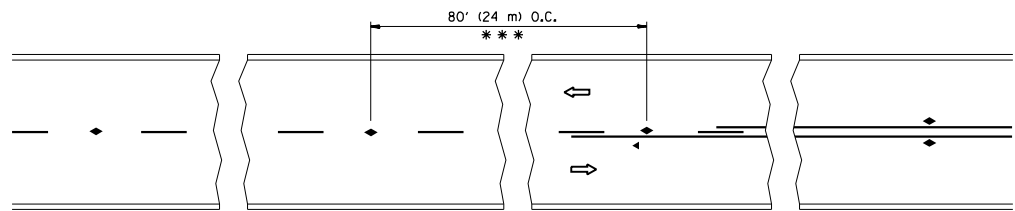
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	PLOT DATE = 10/18/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

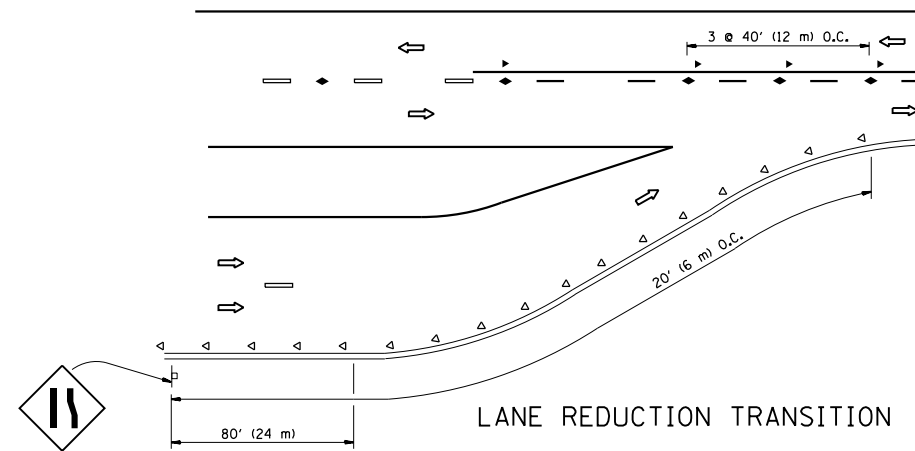
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62B68	
ILLINOIS FED. AID PROJECT				

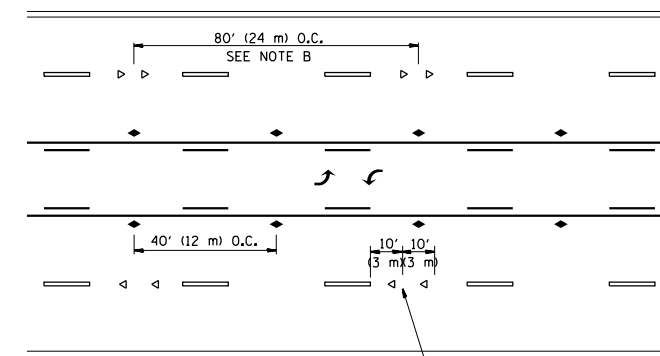


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

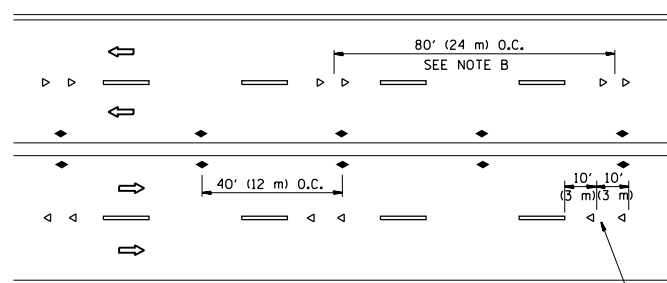
TWO-LANE/TWO-WAY



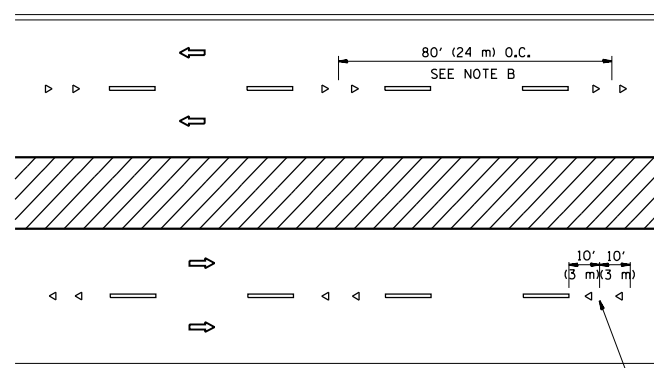
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

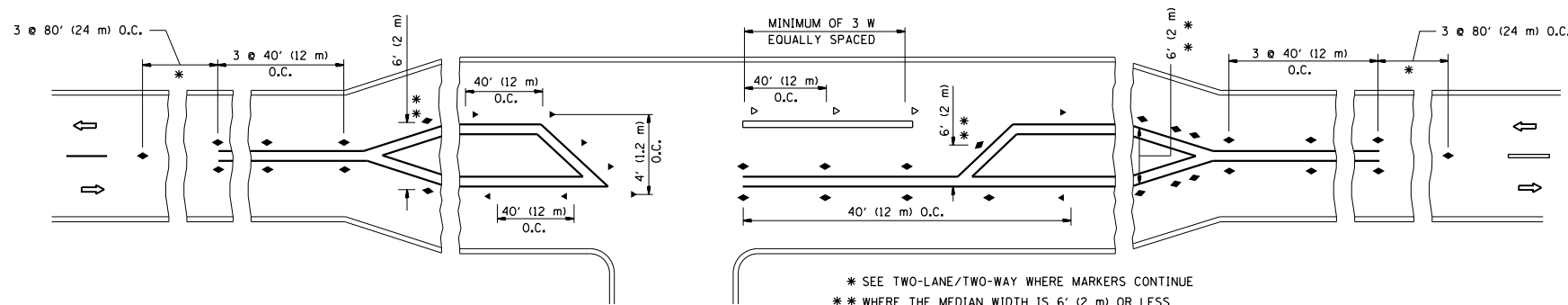
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

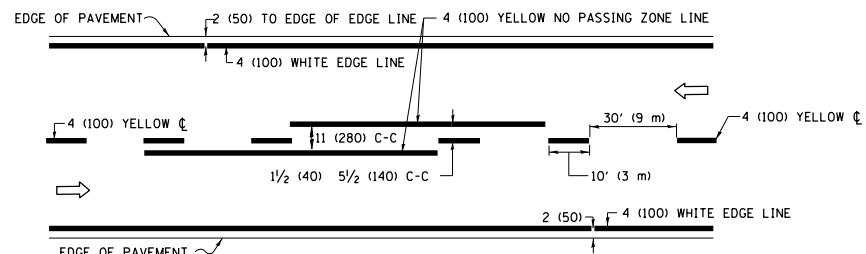
All dimensions are in inches (millimeters) unless otherwise shown.

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		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

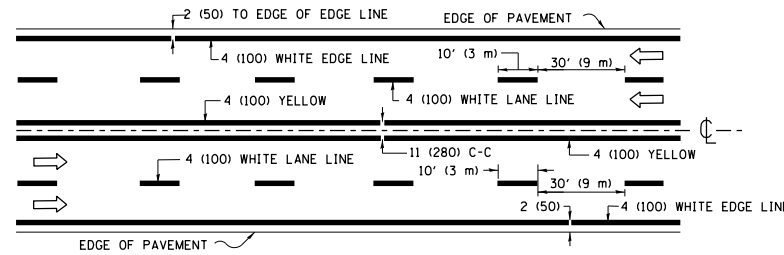
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

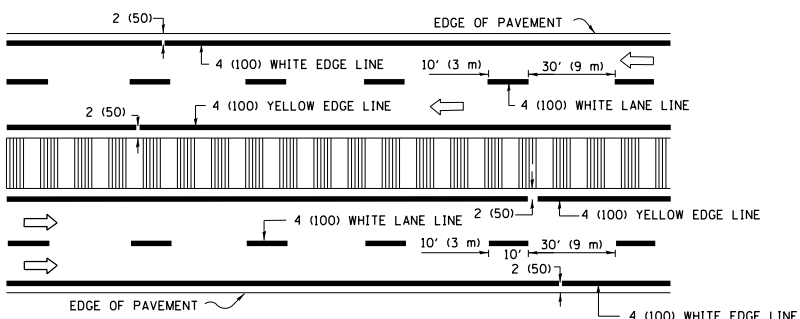
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	56
TC-11		CONTRACT NO. 62B68		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

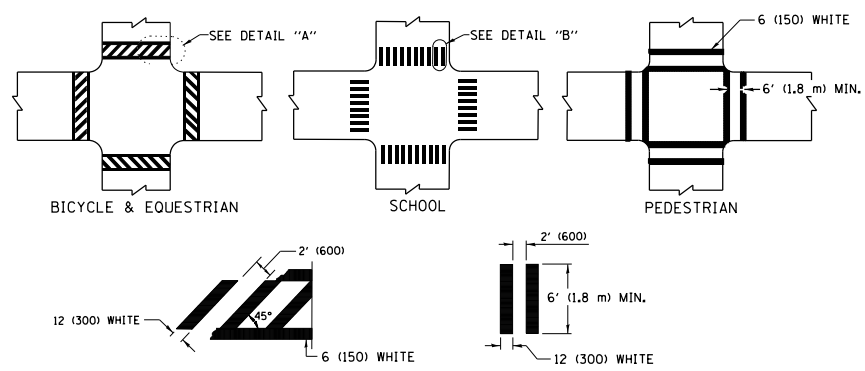


MULTI-LANE UNDIVIDED



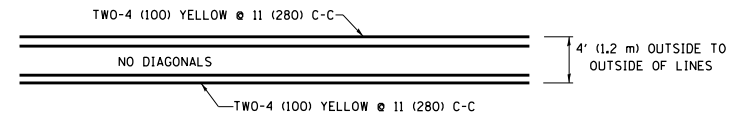
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

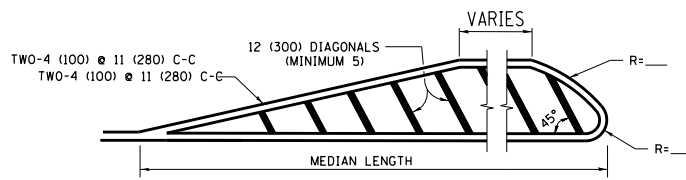


TYPICAL CROSSWALK MARKING

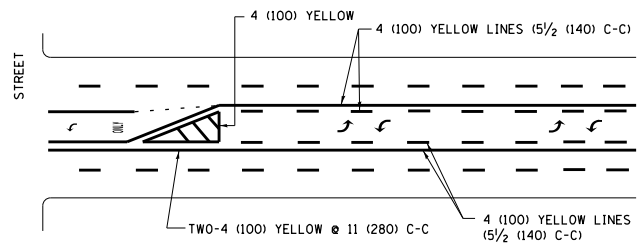
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



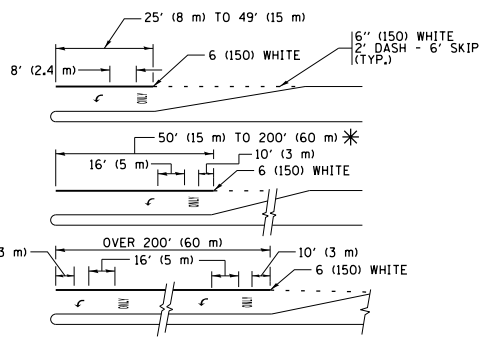
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



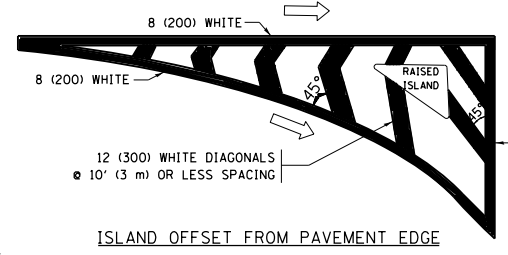
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



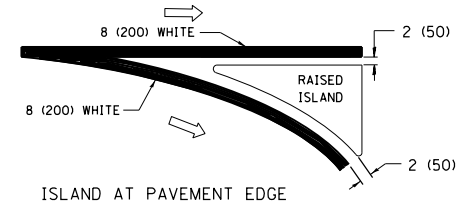
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

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)

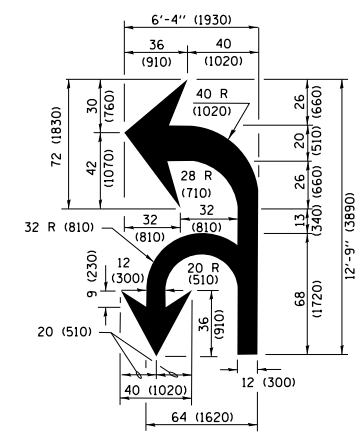
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



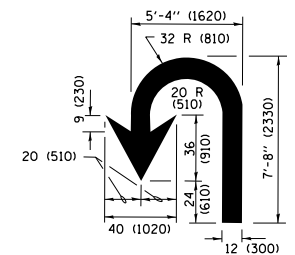
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 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 MEDIANS IN YELLOW
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 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 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° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
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" IS 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 (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

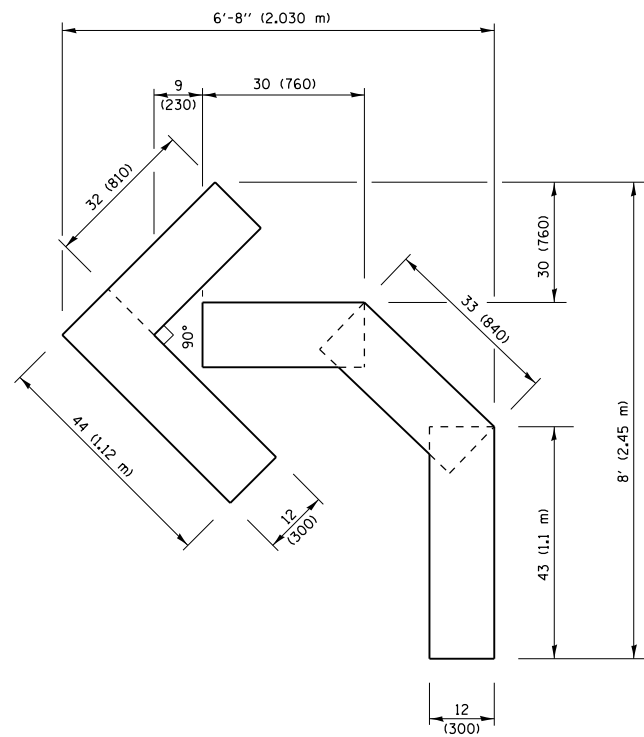
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pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P1222\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0002' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 10/18/2018		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

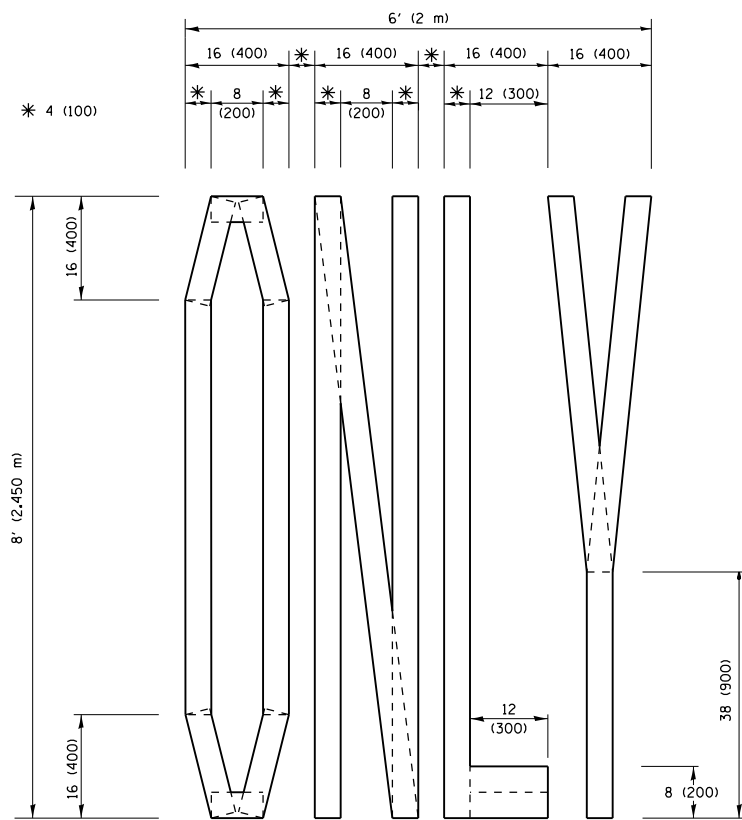
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

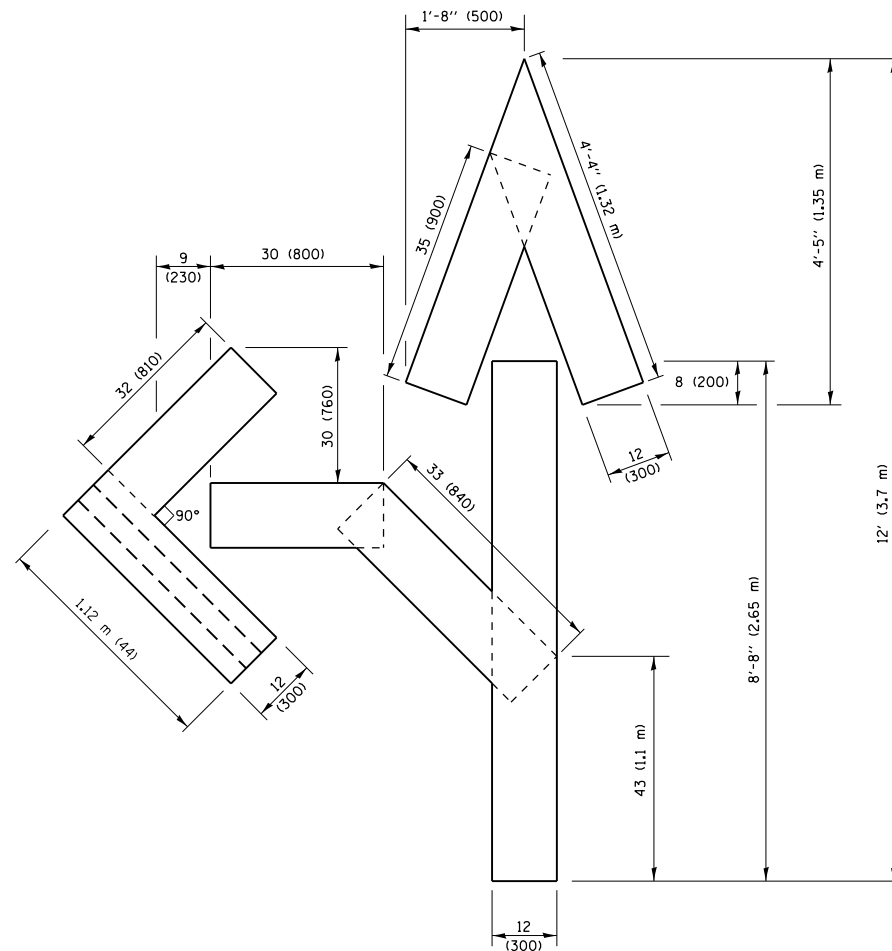
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	57
TC-13		CONTRACT NO. 62B68		
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)



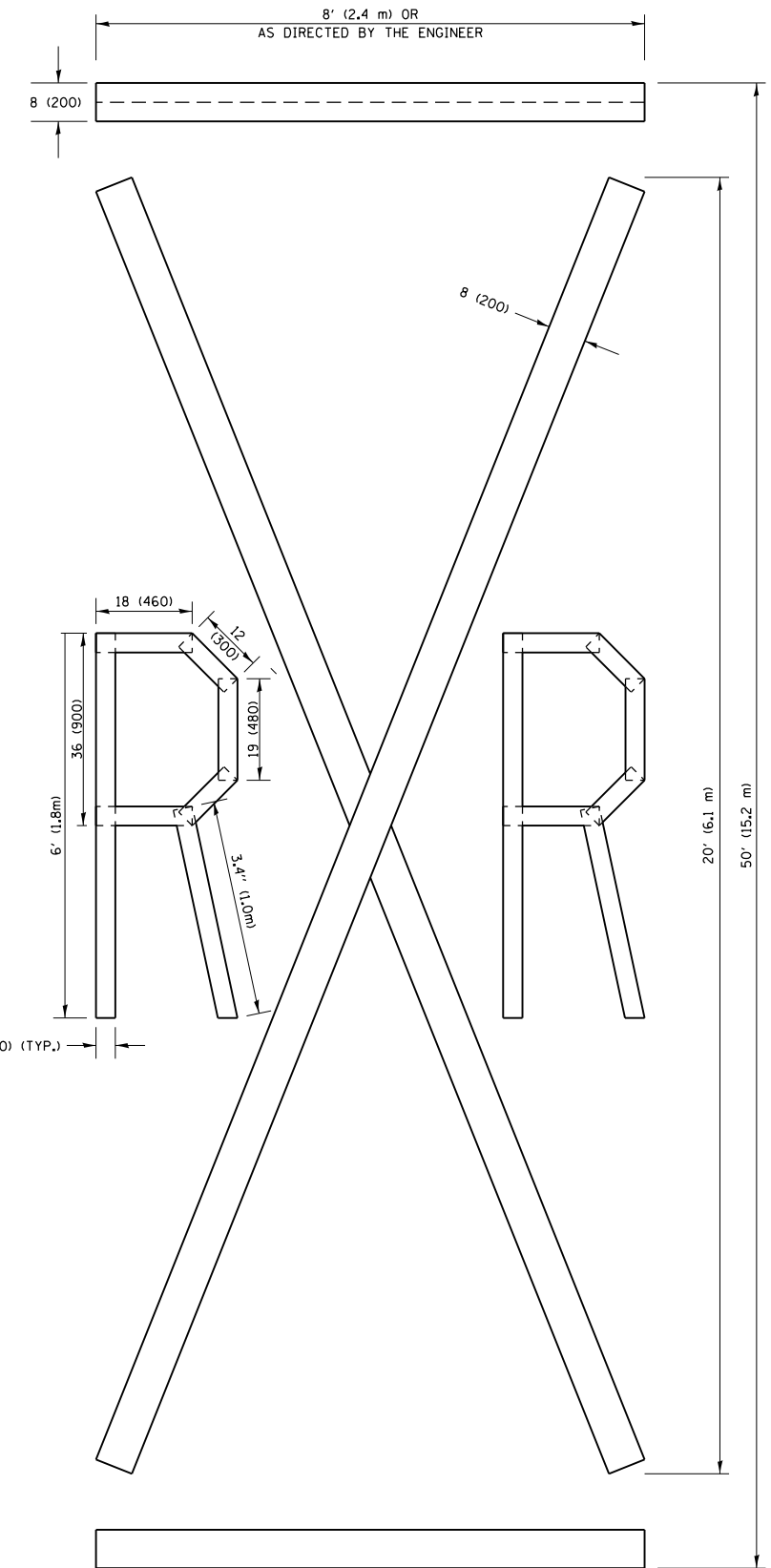
QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

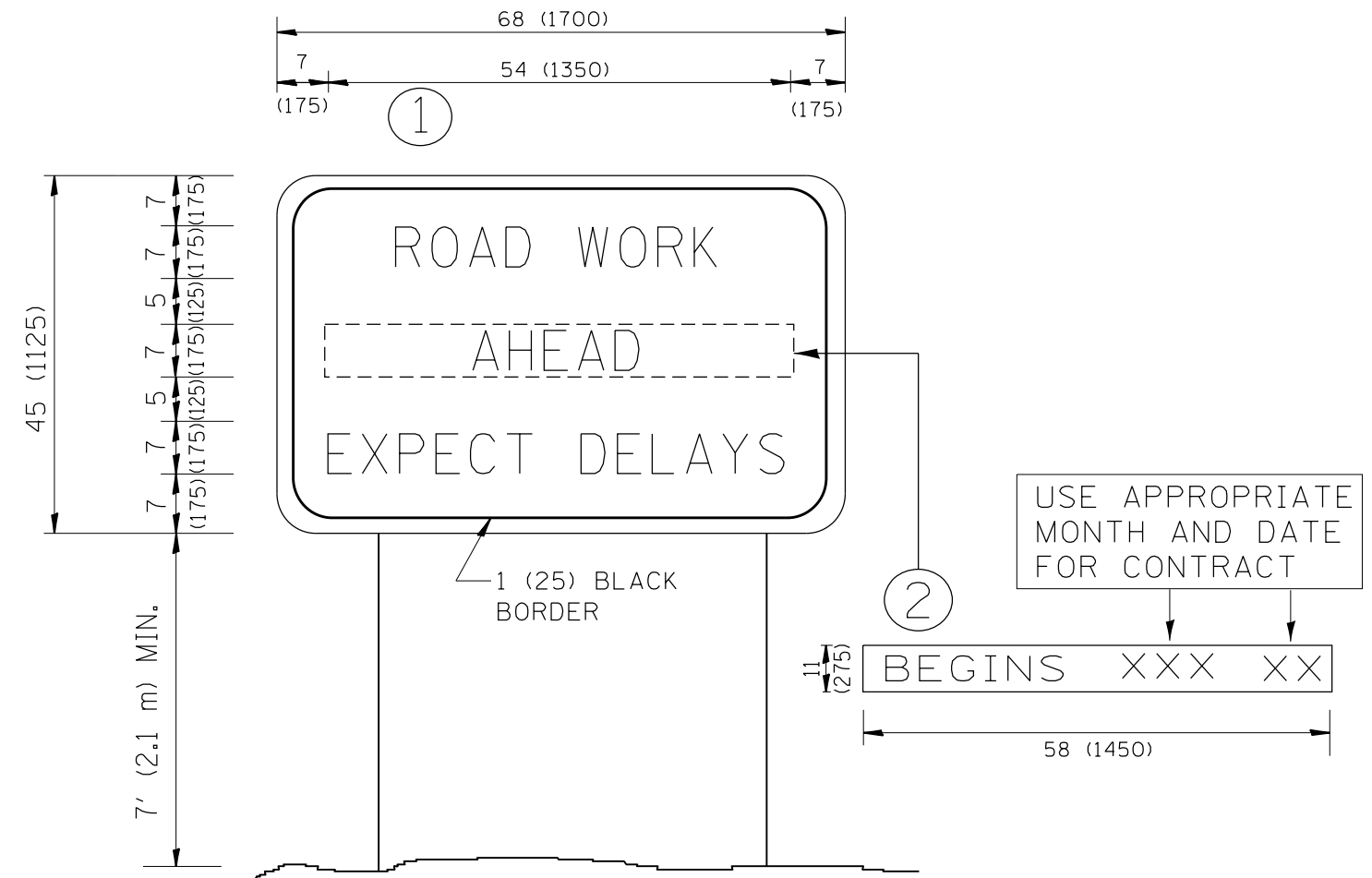
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pw\11084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI222\Drawings\Design\DistStd.dgn			REVISED - E. GOMEZ 08-28-00
		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	58
TC-16		CONTRACT NO. 62B68		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

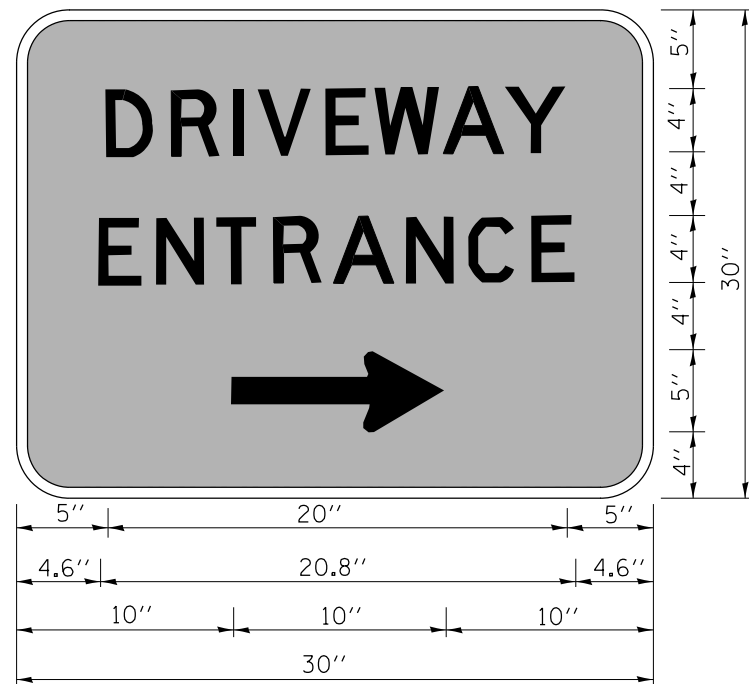


NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = ledezmar	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\1222\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - R. MIRS 12-11-97		349	16-N-1	KENDALL	75	59			
PLOT SCALE = 100.0002' / 1in.		DATE -	REVISED - T. RAMMACHER 02-02-99		TC-22			CONTRACT NO. 62B68				
PLOT DATE = 10/18/2018			REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = ledezmar	DESIGNED -	REVISED - C. JUCIUS 02-15-07
p:\11084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI222\Drawings\Design\DistStd.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0002' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

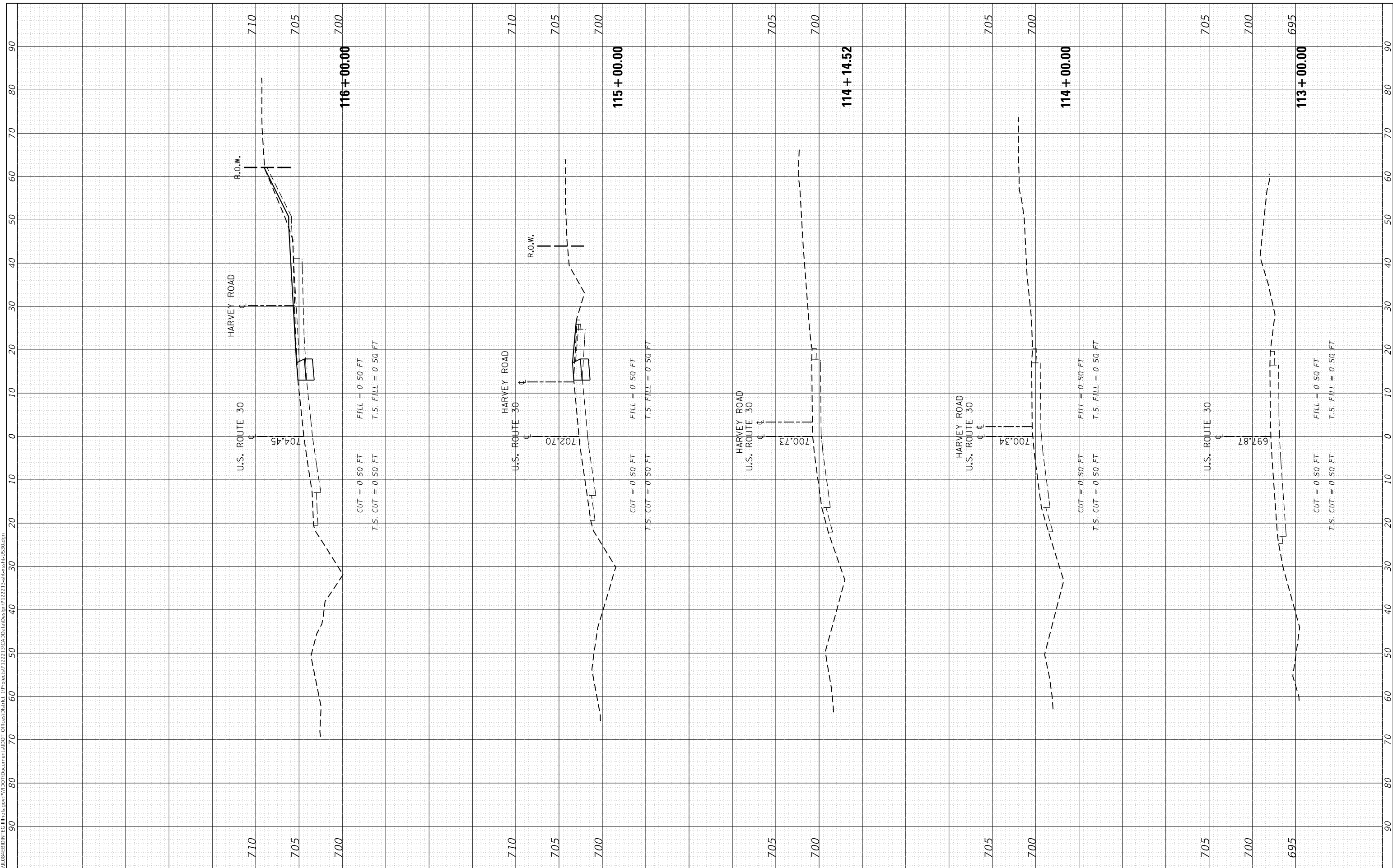
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	60
TC-26			CONTRACT NO. 62B68	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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PLOT SCALE = 20.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

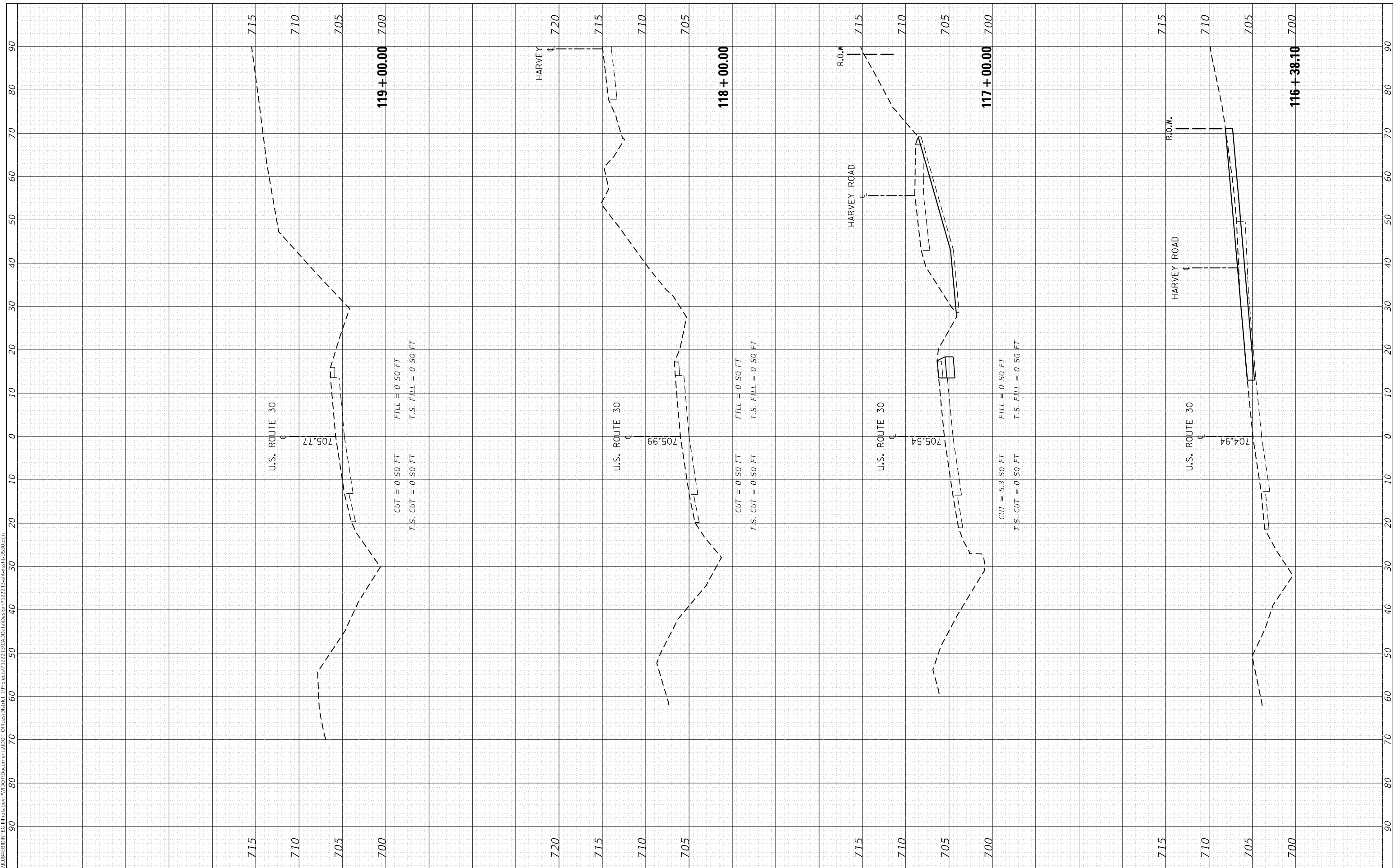
SCALE: SHEET OF SHEETS STA. 113+00.00 TO STA. 116+00.00

F.A.P. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 61
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
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	DRAWN -	REVISED -
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PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

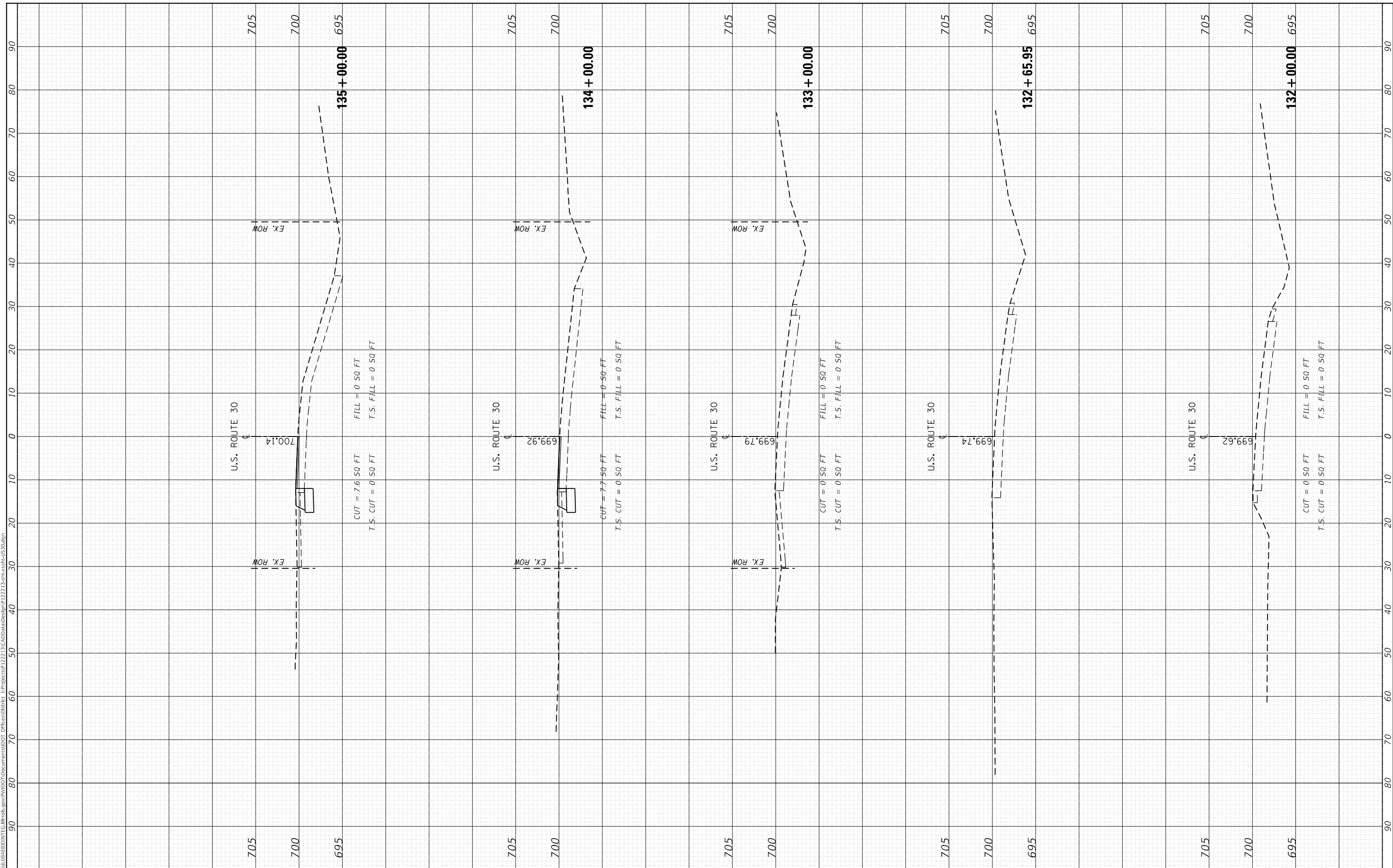
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F.A.P. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 62
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = ledezmar
DESIGNED -
DRAWN -
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 10/18/2018

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
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REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

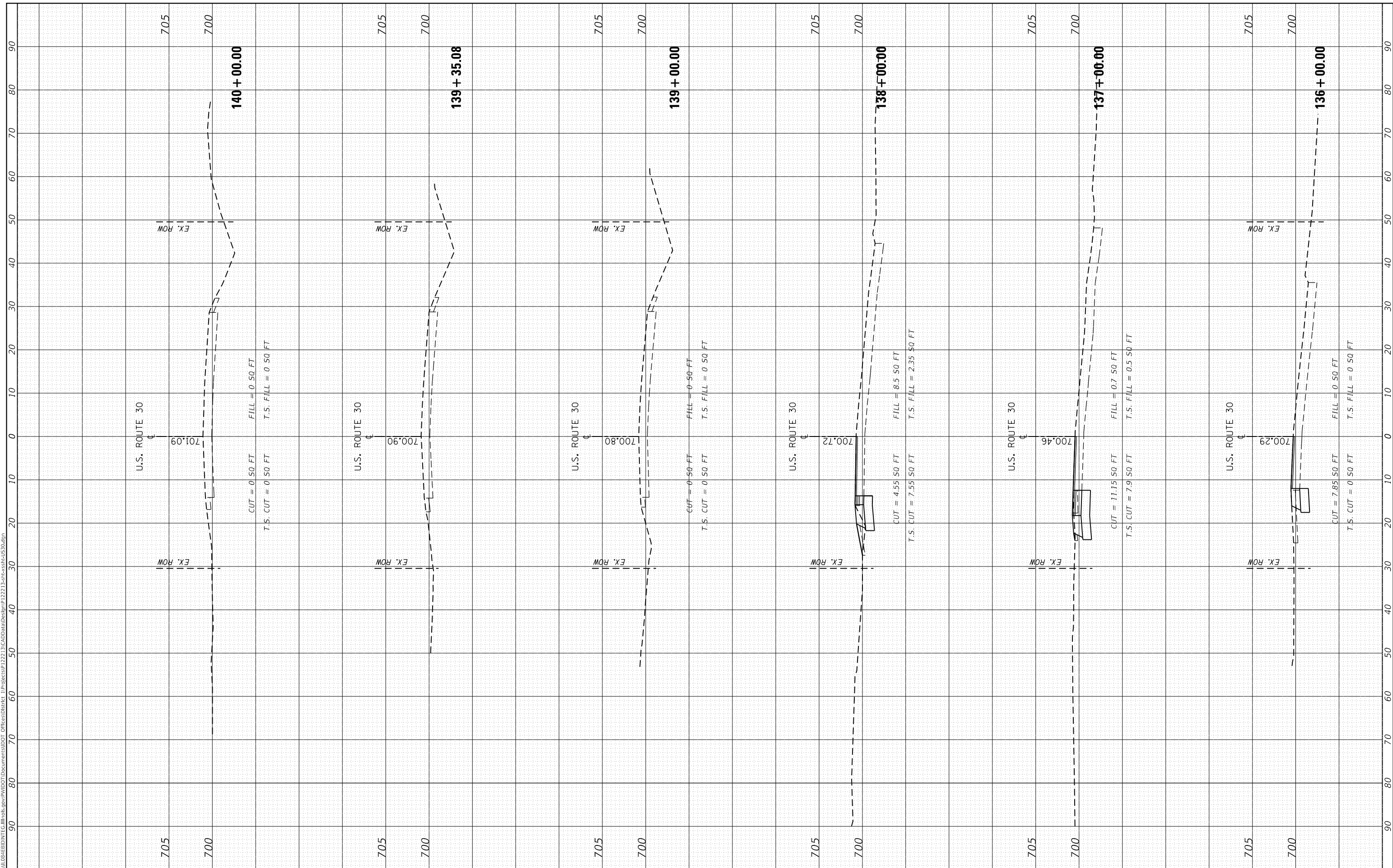
SCALE: SHEET OF SHEETS STA. 132+00.00 TO STA. 135+00.00

F.A.P. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 63
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

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

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

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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

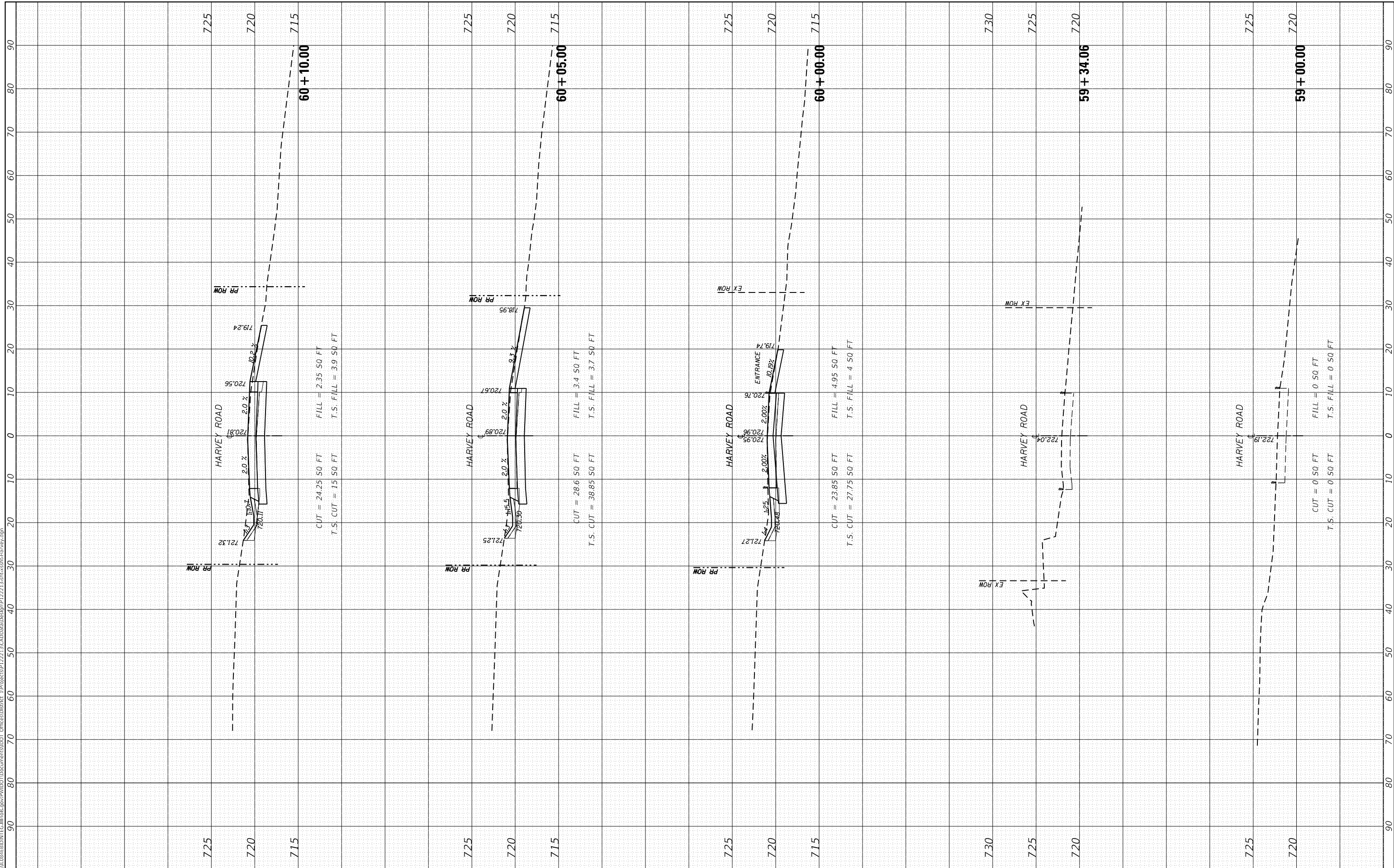
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F.A.P. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 64
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

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

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

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	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

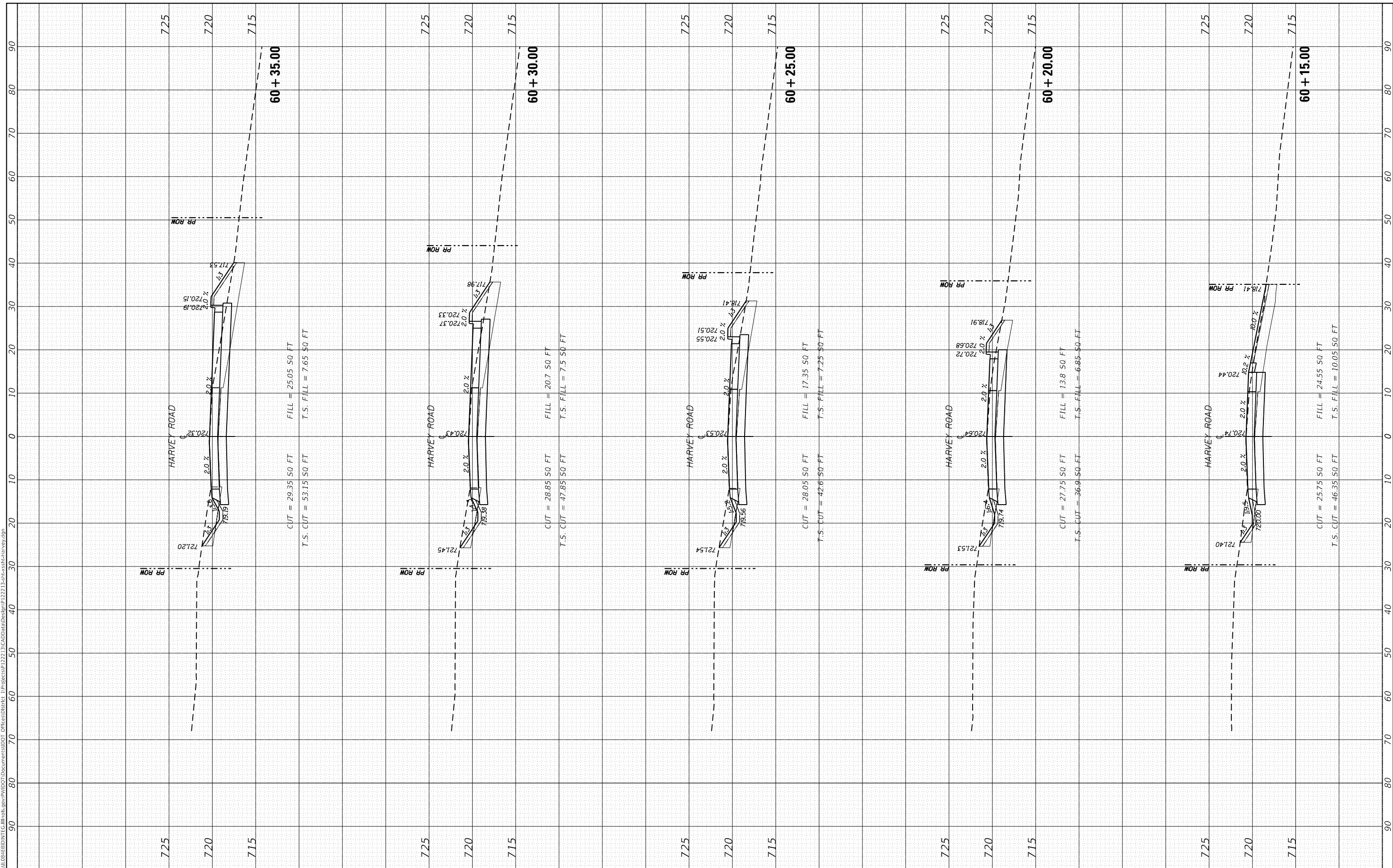
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F.A.P. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 65
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = ledezmar	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

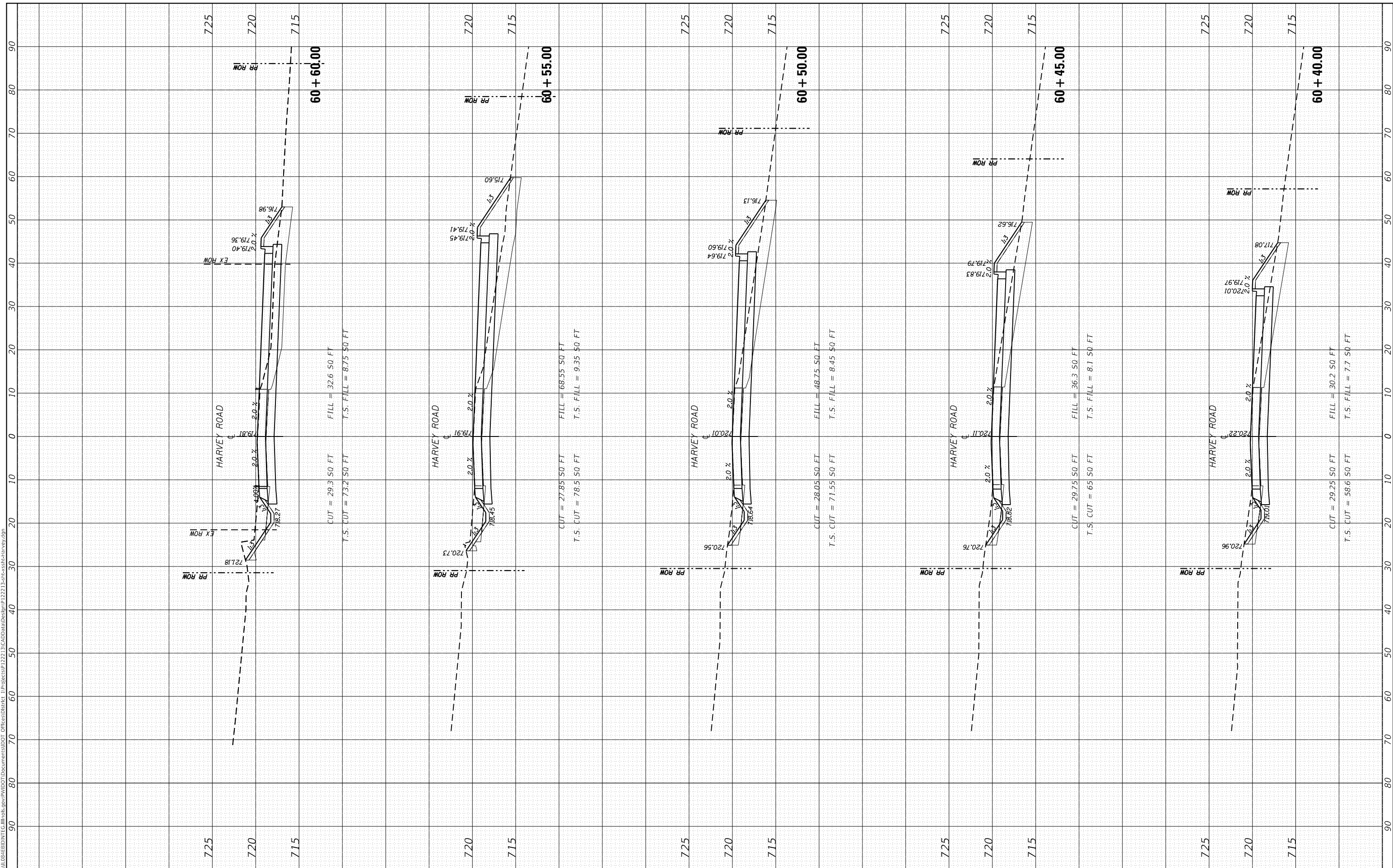
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
349	16-N-1	KENDALL	75	66
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = ledezmar	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

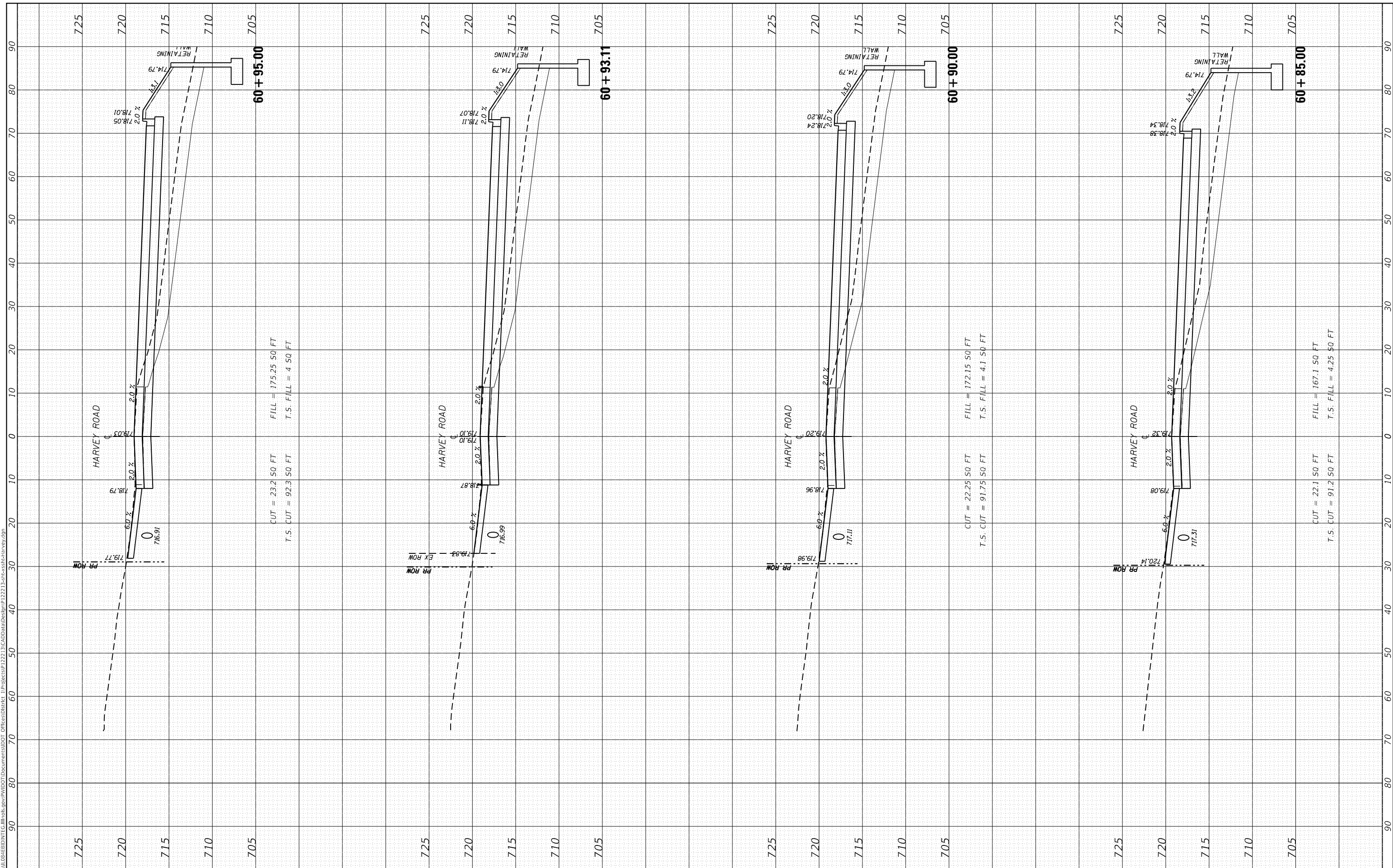
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F.A.P. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 67
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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CUT = 23.2 50 FT
 T.S. CUT = 92.3 50 FT
 FILL = 175.25 50 FT
 T.S. FILL = 4 50 FT

CUT = 22.25 50 FT
 T.S. CUT = 91.75 50 FT
 FILL = 172.15 50 FT
 T.S. FILL = 4.1 50 FT

CUT = 22.1 50 FT
 T.S. CUT = 91.2 50 FT
 FILL = 167.1 50 FT
 T.S. FILL = 4.25 50 FT

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

USER NAME = ledezmar	DESIGNED -	REVISED -
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PLOT DATE = 10/18/2018	CHECKED -	REVISED -
	DATE -	REVISED -

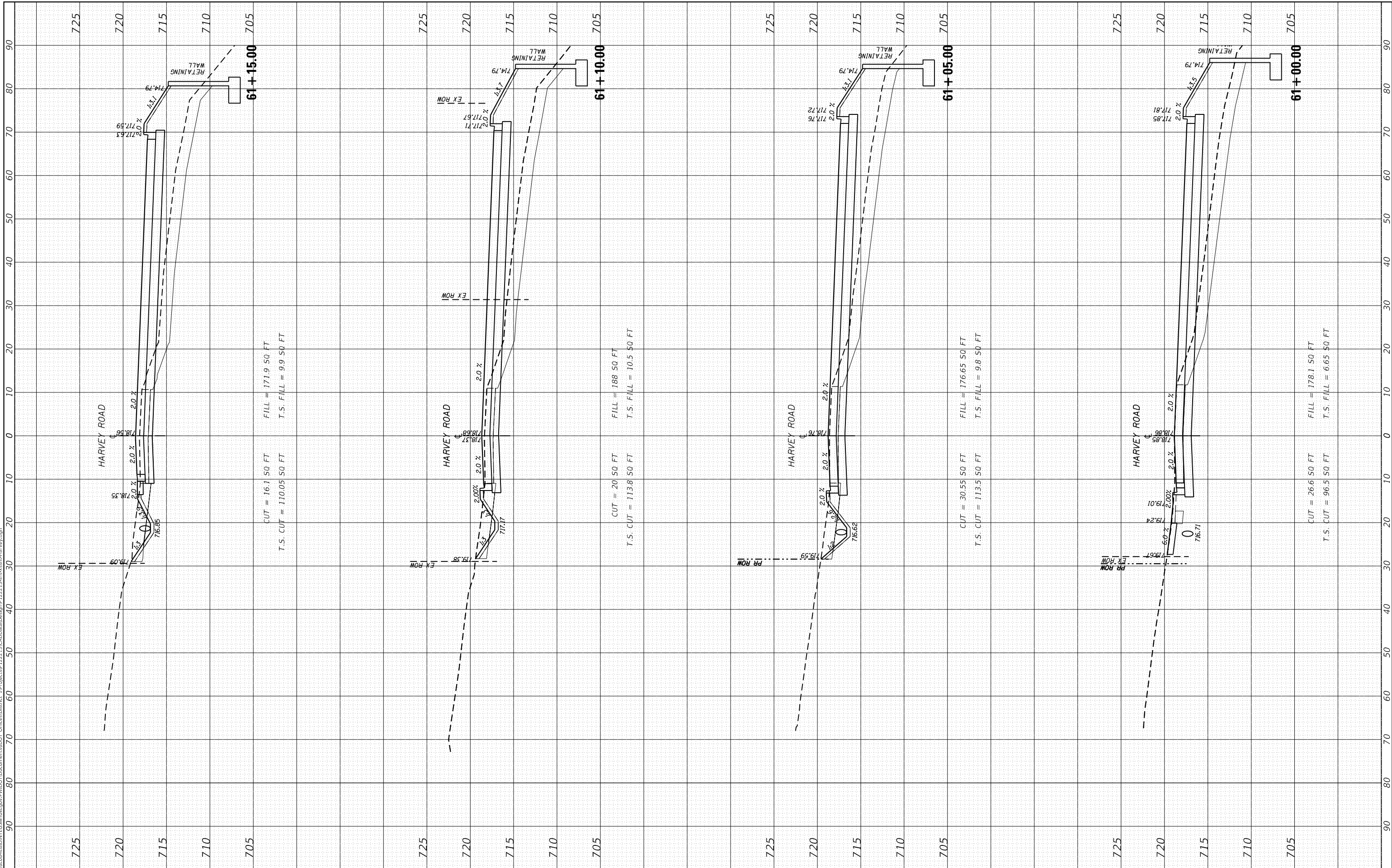
SCALE: SHEET OF SHEETS STA. 60+85.00 TO STA. 60+95.00

F.A.P. RTE. 349	SECTION 16-N-1	COUNTY KEWASKAW	TOTAL SHEETS 75	SHEET NO. 69
CONTRACT NO. 60000				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = ledezmar	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

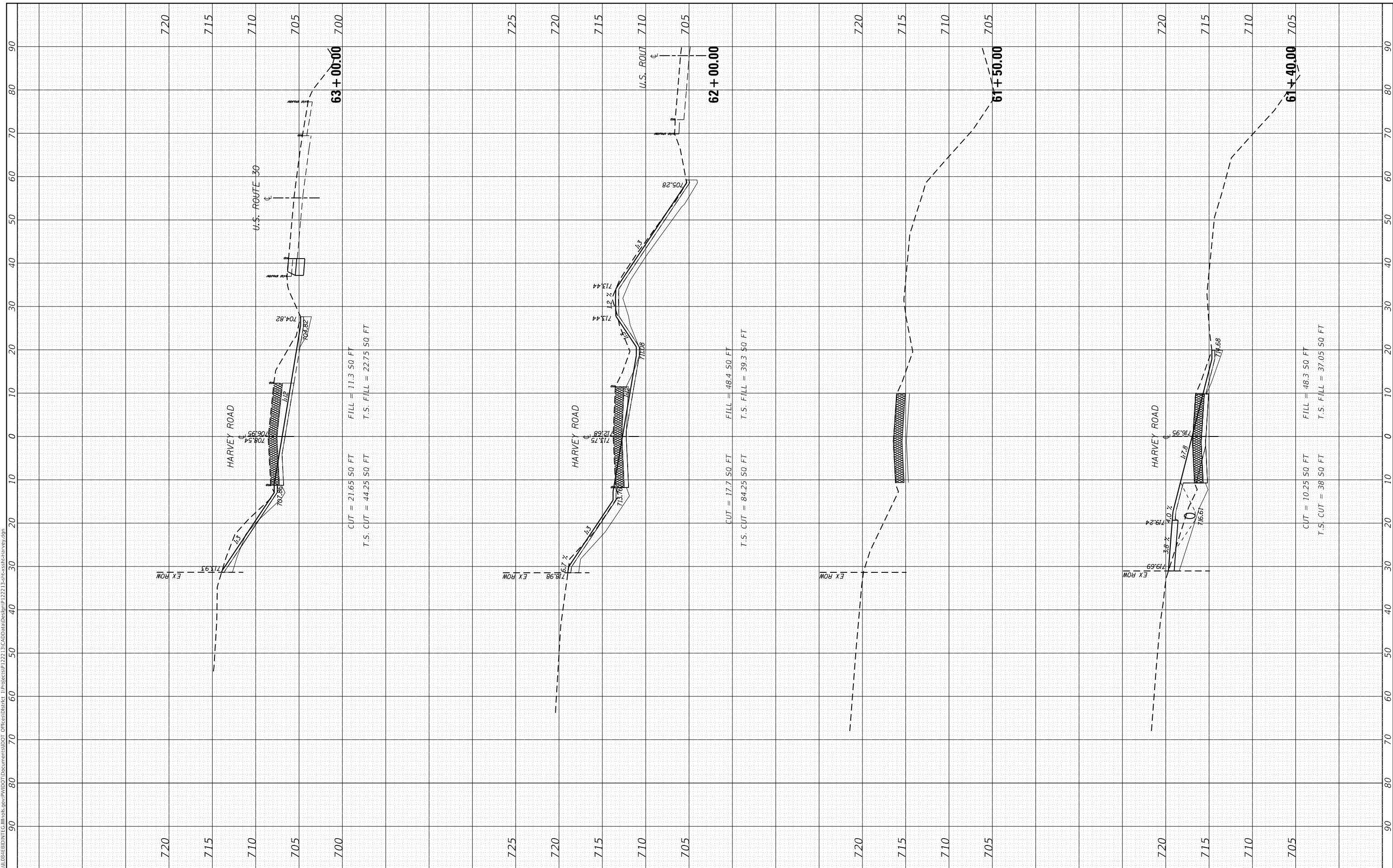
SCALE: SHEET OF SHEETS STA. 61+00.00 TO STA. 61+15.00

F.A.P. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 70
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = ledezmar	DESIGNED -
	DRAWN -
PLOT SCALE = 20.0000' / in.	CHECKED -
PLOT DATE = 10/18/2018	DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

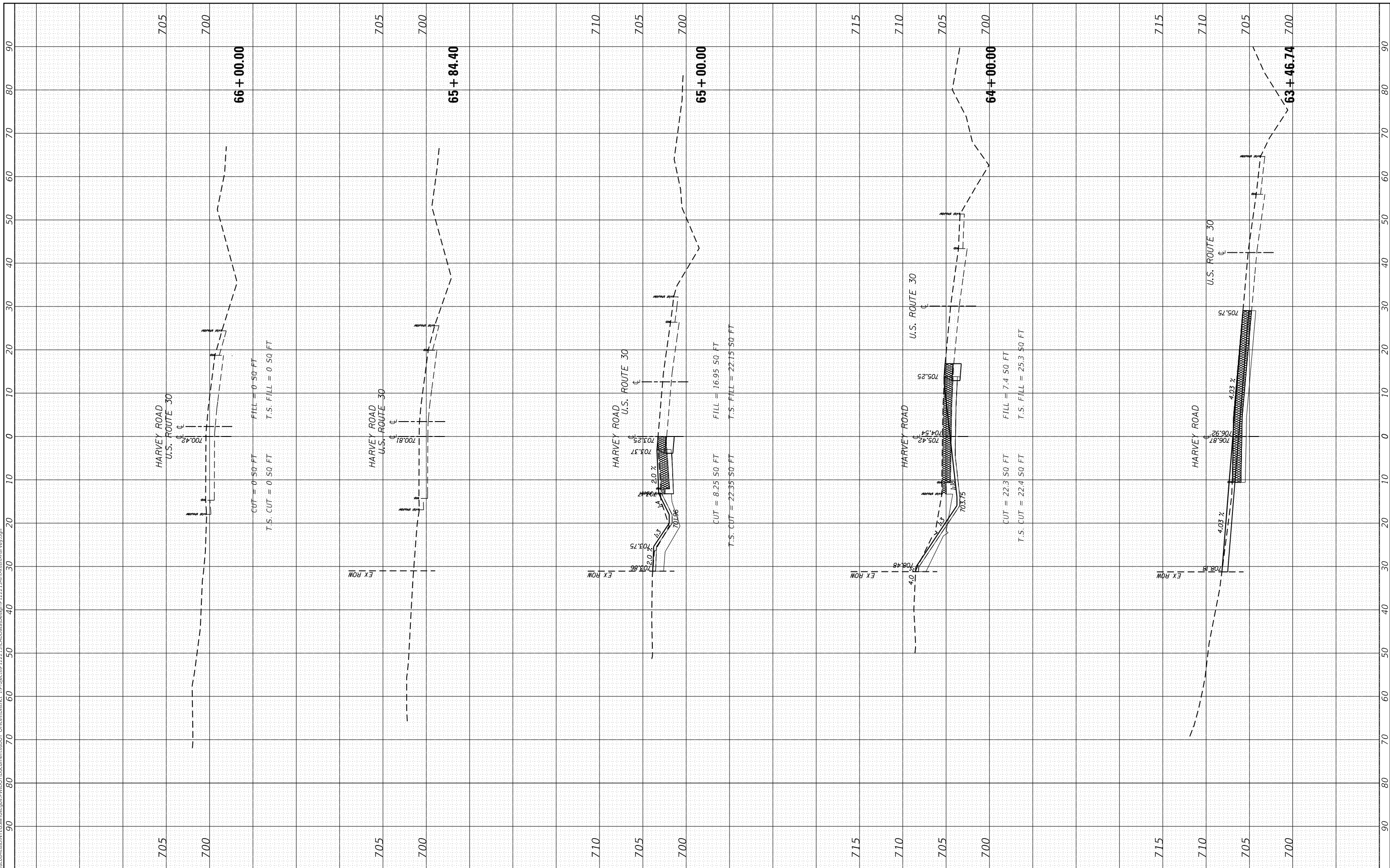
SCALE: SHEET OF SHEETS STA. 61+40.00 TO STA. 63+00.00

F.A.P RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 72
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = ledezmar	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

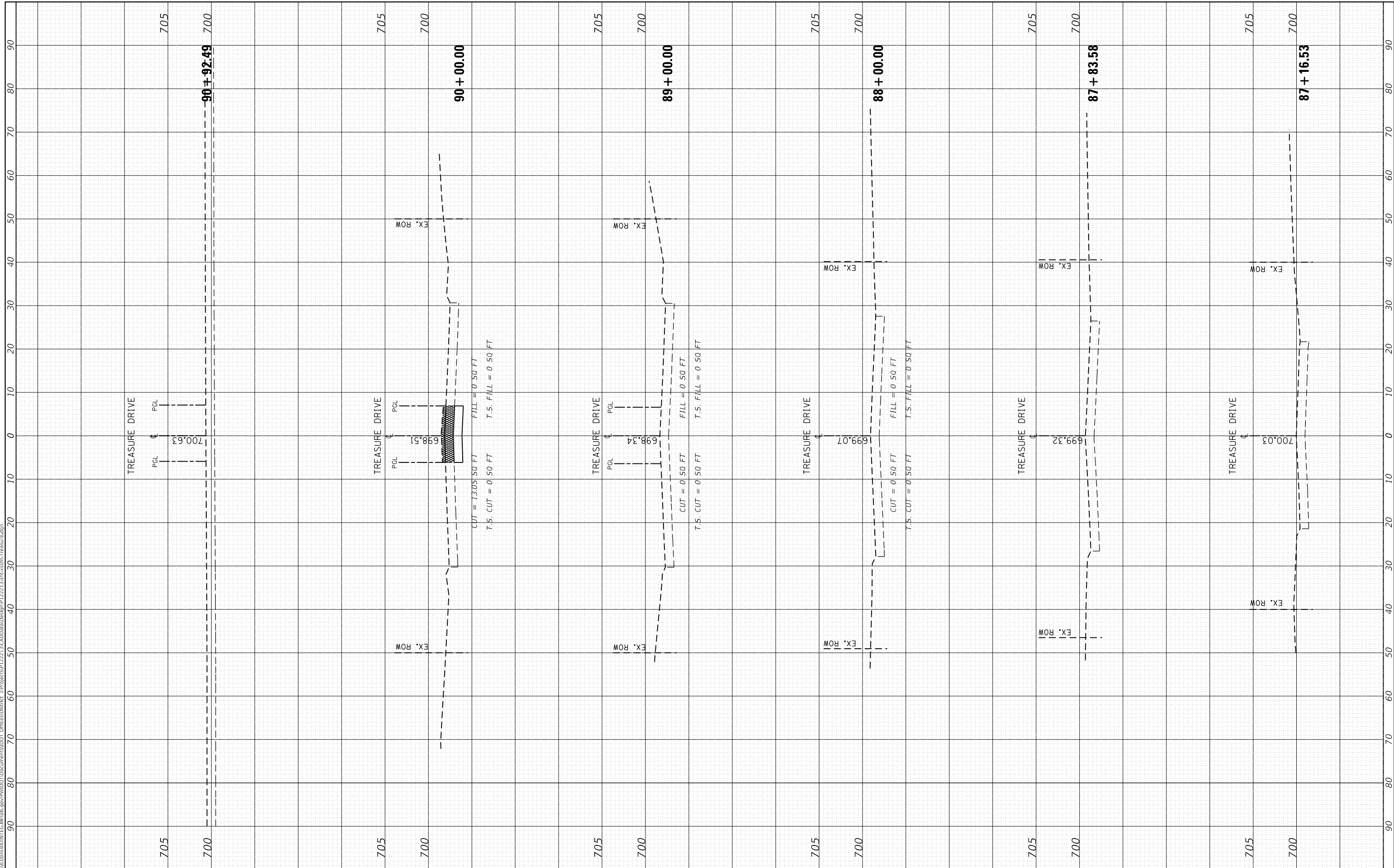
CROSS SECTIONS	
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STA. 63+46.74	TO STA. 66+00.00

F.A.P. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 73
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = ledezmar	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/18/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

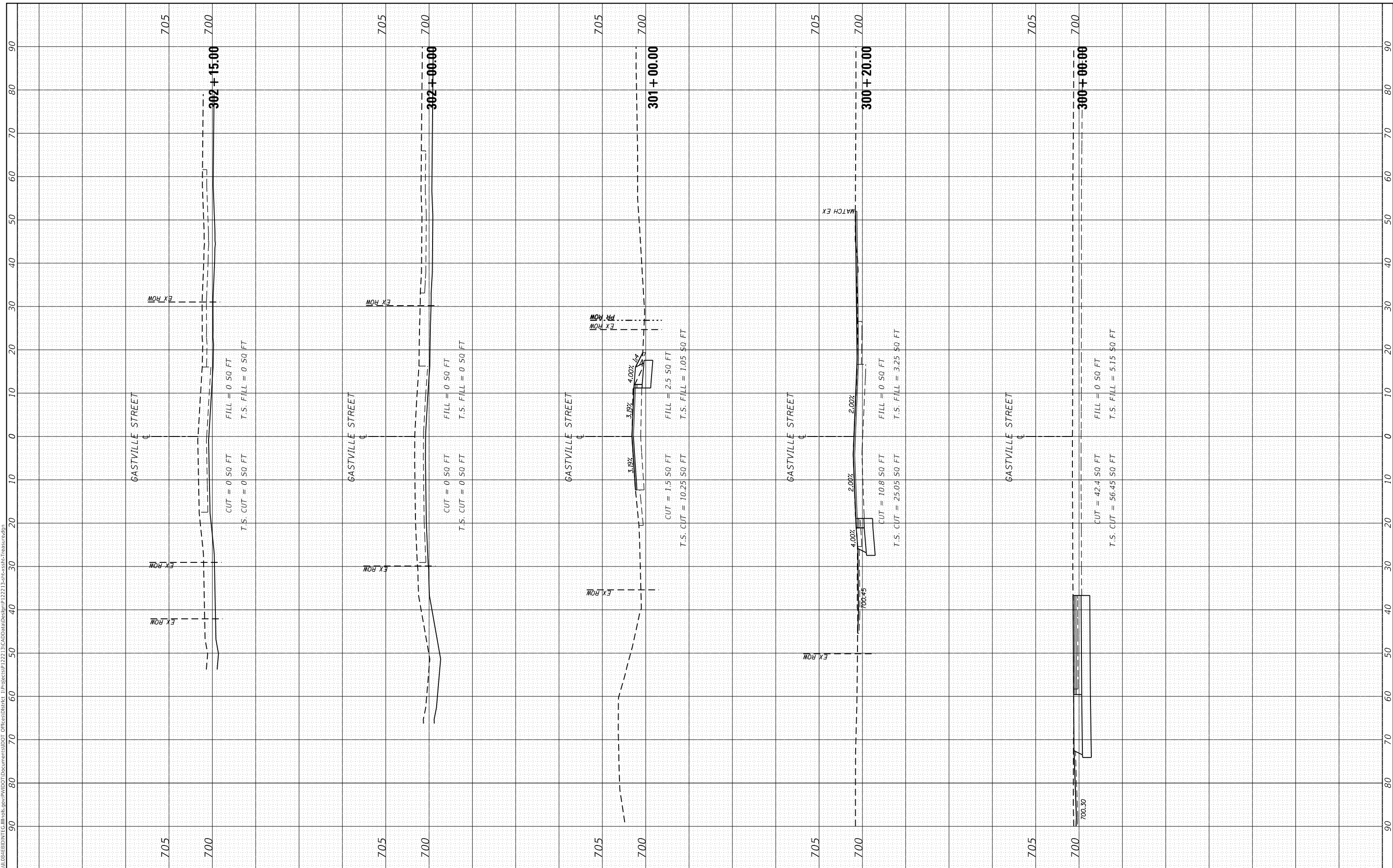
CROSS SECTIONS	
SCALE:	SHEET OF SHEETS
STA. 87+16.53	TO STA. 90+92.49

F.R.A.R. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 74
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

MODEL: Defn.rur
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USER NAME = ledezmar	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 300+00.00	TO STA. 302+15.00
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CROSS SECTIONS

F.R.A.R. RTE. 349	SECTION 16-N-1	COUNTY KENDALL	TOTAL SHEETS 75	SHEET NO. 75
CONTRACT NO. 62B68				
ILLINOIS FED. AID PROJECT				