

1-20-2012 LETTING ITEM 123

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION:

RANDALL RD = PRINCIPAL ARTERIAL
 US ROUTE 20 RAMP = FREEWAY/EXPRESSWAY
 FOOTHILL ROAD = LOCAL STREET

ADT:

RANDALL RD = 61,000 (2030)
 US ROUTE 20 RAMP = 13,000 (2030)
 FOOTHILL ROAD = 10,000 (2030)

DESIGN SPEED:

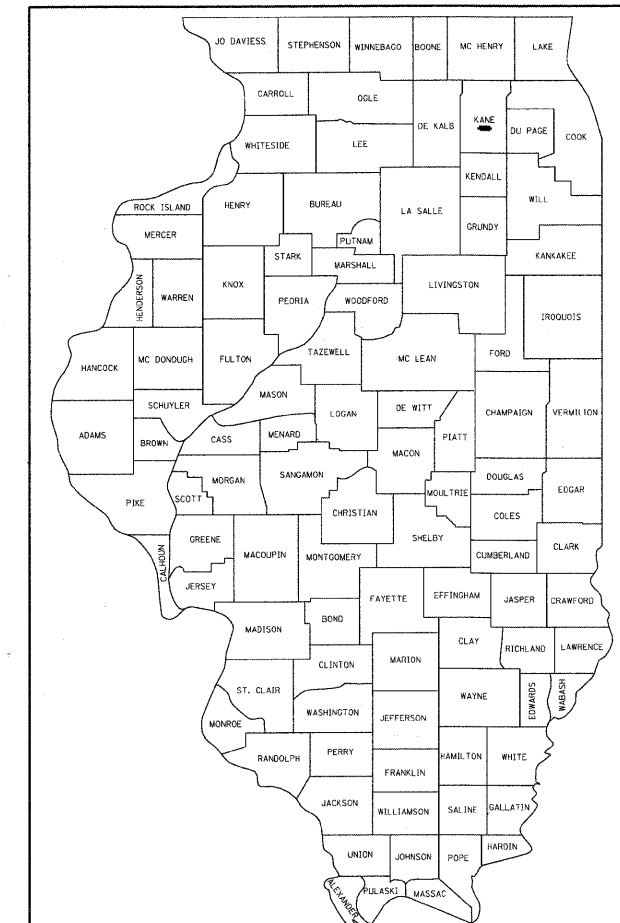
RANDALL RD = 45 MPH
 US ROUTE 20 RAMP = 30 MPH
 FOOTHILL ROAD = 45 MPH

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

FAP 336 (RANDALL ROAD)
AT FAP 345 (US ROUTE 20) (FOOTHILL ROAD)
INTERSECTION IMPROVEMENTS
SECTION 06-00345-00-CH
PROJECT CMF-8003 (711)

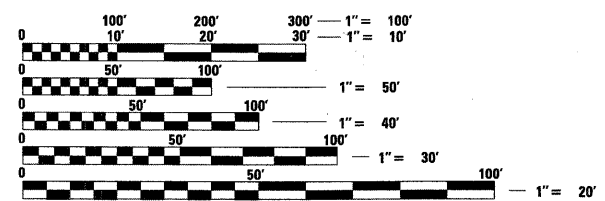
KANE COUNTY
JOB NO: C-91-056-07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	1
ILLINOIS		CONTRACT NO. 63623		



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

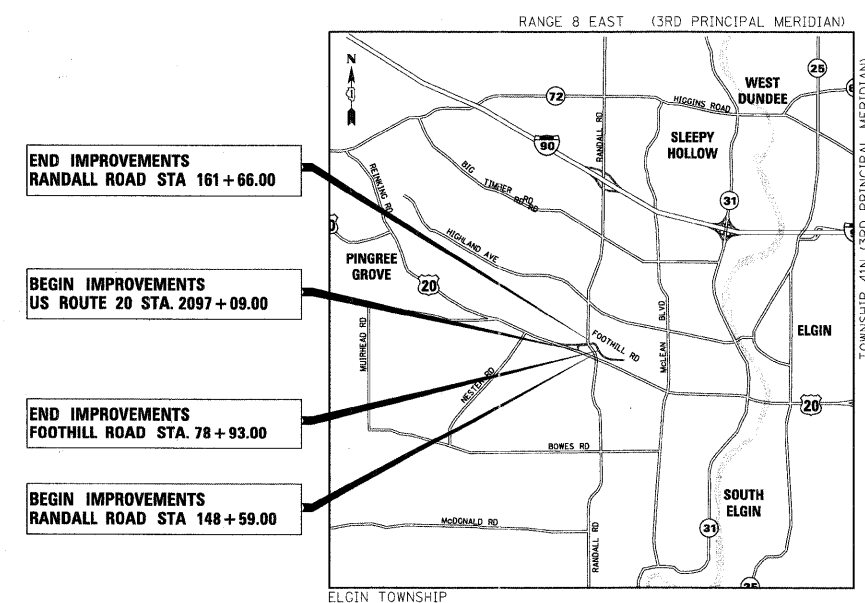
PROJECT LOCATED IN CITY OF ELGIN



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

PLANS PREPARED BY
 HDR ENGINEERING INC.
 FOR
 CARL SCHOEDEL, P.E.,
 DIRECTOR OF TRANSPORTATION/ COUNTY ENGINEER
 KANE COUNTY DIVISION OF TRANSPORTATION



END IMPROVEMENTS
 RANDALL ROAD STA 161+66.00

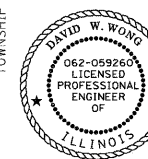
BEGIN IMPROVEMENTS
 US ROUTE 20 STA. 2097+09.00

END IMPROVEMENTS
 FOOTHILL ROAD STA. 78+93.00

BEGIN IMPROVEMENTS
 RANDALL ROAD STA 148+59.00

LOCATION MAP
 SCALE = N.T.S.
 GROSS LENGTH = 3,414 FT. = 0.64 MILES
 NET LENGTH = 3,414 FT. = 0.64 MILES

BY: *David Wong* DATE: 10/24/11
 HDR ENGINEERING, INC.
 DWGS. 1-92
 LICENSE EXPIRES NOV. 30, 2011



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED OCTOBER 20, 2011
[Signature]
 DIRECTOR OF TRANSPORTATION/COUNTY ENGINEER
 KANE COUNTY DIVISION OF TRANSPORTATION

PASSED November 8, 2011
[Signature]
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW NOVEMBER 8, 2011
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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

HDR 8550 W. Bryn Mawr Ave., Suite 900
 Chicago, IL 60631
 773-380-7900
 HDR Engineering, Inc.

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E., (847) 705-4406, SCHAUMBURG, IL.

CONTRACT NO. 63623

GENERAL NOTES

- 1 ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012 AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2012; "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION, THE "DETAILS" IN THE PLANS, AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARD. SHOULD A REVISED STANDARD EXIST THAT SUPERCEDES STANDARDS REFERENCED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR IS RESPONSIBLE FOR SEEKING CLARIFICATION FROM THE ENGINEER BEFORE PROCEEDING WITH THE ORDERING OF MATERIALS, SCHEDULING OF PERSONNEL, PERFORMING THE WORK OR ANY OTHER ACTIVITY RELATED TO THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE CORRECT STANDARD BEFORE PERFORMING WORK.
- 2 THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS IN ADVANCE PRIOR TO BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. IN ADDITION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE FOR ANY TREE REMOVAL.
- 3 THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
- 4 ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. SEE SPECIAL PROVISIONS UNDER STATUS OF UTILITIES TO BE ADJUSTED FOR CONTACT INFO.
- 5 LEVELING BINDER TO BE USED AT THE ENGINEERS DISCRETION.
- 6 GUARDRAIL REMOVAL OF ALL TYPES INCLUDING TERMINALS SHALL BE PAID FOR AS GUARDRAIL REMOVAL.
- 7 THE CONTRACTOR SHALL NOTIFY AS NECESSARY, ALL TESTING AGENCIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION. IF THE CONTRACTOR FAILS TO ALLOW PROPER NOTIFICATION TIME RESULTING IN THE TESTING AGENCIES BEING UNABLE TO VISIT THE SITE AND PERFORM THE NECESSARY TESTING, THE CONTRACTOR MUST SUSPEND THE OPERATION FOR WHICH TESTING IS NECESSARY UNTIL THE TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. THE COST OF SUSPENDING WORK SHALL BE BORN BY THE CONTRACTOR AND NO COMPENSATION SHALL BE GIVEN.
- 8 CONSTRUCTION ACTIVITIES MAY OCCUR BETWEEN 7:00 A.M. AND 7:00 P.M. MONDAY THROUGH FRIDAY AND FROM 8:30 A.M. TO 5:00 P.M. ON SATURDAYS. CONSTRUCTION ACTIVITIES ON SUNDAYS ARE PROHIBITED. NO WORK WILL BE PERFORMED ON FEDERAL HOLIDAYS OBSERVED IN ILLINOIS. CONSTRUCTION ACTIVITIES ARE IDENTIFIED AS THE OPERATION OF HEAVY EQUIPMENT, TO INCLUDE BUT NOT LIMITED TO ALL CONSTRUCTION TRUCKS AND EQUIPMENT.
- 9 WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- 10 THE CONTRACTOR SHALL LOCATE ALL CONTROL POINTS THAT ARE WITHIN THE SITE AND PROTECT CONTROL POINTS FROM DISTURBANCE. ONLY THE ENGINEER CAN AUTHORIZE THE REMOVAL OR DISTURBANCE OF ANY CONTROL POINT. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT AND NO COMPENSATION SHALL BE PAID.
- 11 ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM, NORTH AMERICAN VERTICAL DATUM (NAVD) 1988.
- 12 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- 13 EXISTING CONDITIONS WERE TAKEN FROM THE BEST AVAILABLE INFORMATION OR MAPPING. INFORMATION SHOWN CONCERNING FEATURES AND UTILITIES IS NOT GUARANTEED ALL INCLUSIVE OR CORRECT. THE CONTRACTOR IS TO VERIFY THE FEATURES PRIOR TO CONSTRUCTION. EXISTING UTILITIES ARE TO BE MAINTAINED IN SERVICE AT ALL TIMES. THE LOCATION OF MATERIALS AND DIMENSIONS OF EXISTING FACILITIES AND OBSTRUCTIONS ARE BASED UPON LOCATION RECORDS AND ARE SHOWN ON THE DRAWINGS STRICTLY AS AID TO THE CONTRACTOR, BUT MUST NOT BE CONSTRUED AS BEING ACCURATE, CORRECT OR COMPLETE. ALL STRUCTURES ABOVE OR BELOW GROUND THAT ARE ENCOUNTERED DURING CONSTRUCTION ARE TO BE PROPERLY SUPPORTED AND MAINTAINED.
- 14 BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- 15 EXISTING GRADES AND ELEVATIONS REPORTED ON THE DRAWINGS ARE BASED ON BEST AVAILABLE INFORMATION. IF THE CONTRACTOR DOES NOT CONCUR WITH THE ELEVATION PROVIDED ON THE DRAWINGS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IN WRITING PRIOR TO CONSTRUCTION. NO CONSTRUCTION WILL BE ALLOWED TO BEGIN UNTIL THESE CONFLICTS ARE RESOLVED.
- 16 THE CONTRACTOR SHALL OBTAIN, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGGERS AND OTHER TRAFFIC CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC. PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS AND THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
- 17 ALL ROAD SIGNS, STREET SIGNS AND TRAFFIC SIGNS WHICH NEED TO BE RELOCATED OR MOVED DUE TO CONSTRUCTION SHALL BE TAKEN DOWN AND STORED BY THE CONTRACTOR EXCEPT THOSE THAT ARE NECESSARY FOR PROPER TRAFFIC CONTROL WHICH SHALL BE TEMPORARILY RESET UNTIL COMPLETION OF CONSTRUCTION OPERATIONS. THE WORK SHALL BE IN ACCORDANCE WITH ARTICLE 107.25.
- 18 RANDALL ROAD AND US ROUTE 20/FOOTHILL ROAD SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES. WHEN NECESSARY TO CLOSE ONE LANE DUE TO CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION DURING CONSTRUCTION HOURS WITH THE USE OF SIGNS, BARRICADES AND FLAGMEN AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. ACCESS TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. LANE CLOSURES REQUIREMENTS ARE LOCATED IN THE SPECIAL PROVISIONS.
- 19 ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR A FLUORESCENT SAFETY VEST AT ALL TIMES WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
- 20 ALL WORK PERFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.H.A.
- 21 THE UNIT PRICES FOR ITEMS USED TO CONSTRUCT TEMPORARY PAVEMENT AND/OR ACCESS ROADS SHALL INCLUDE ALL EQUIPMENT, LABOR AND MATERIAL REQUIRED TO PLACE, REMOVE, MAINTAIN AND DISPOSE OF THE TEMPORARY PAVEMENT AND/OR ACCESS ROAD.
- 22 THE CONTRACTOR MUST COORDINATE OFF-SITE HAUL AND ACCESS ROUTES WITH THE PARTY HAVING JURISDICTION OVER THE AFFECTED ROUTE. ON-SITE HAUL AND ACCESS ROUTES MUST BE MAINTAINED BY THE CONTRACTOR AND MUST BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF BEING USED AS A HAUL ROUTE. FENCING, DRAINAGE, GRADING, RESURFACING, OR OTHER WORK NECESSARY TO CONSTRUCT AND MAINTAIN HAUL ROUTES IS THE CONTRACTOR'S RESPONSIBILITY AT NO ADDITIONAL COST AND MUST BE APPROVED BY THE ENGINEER PRIOR TO THE WORK.

- 23 DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST, AS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTHWORK AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 24 ALL TOPSOIL PLACED ON THIS CONTRACT SHALL BE FREE OF NOXIOUS WEED SEED SPECIES. THE ENGINEER MUST APPROVE THE LOCATIONS OF TOPSOIL STOCKPILES WITHIN THE RIGHT-OF-WAY. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR TOPSOIL FURNISH AND PLACE, 4".
- 25 THE CONTRACTOR SHALL SAW CUT PAVEMENT AND CURB AND GUTTER AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED TO A DEPTH AS SHOWN ON THE PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER. CARE SHALL BE TAKEN BY THE CONTRACTOR NOT TO DAMAGE THE REMAINING MATERIALS DIRECTLY ADJACENT TO THE MATERIAL TO BE REMOVED. ANY DAMAGE TO THE EXISTING MATERIAL RESULTING FROM THE REMOVAL OPERATION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. SAW CUTTING SHALL NOT BE PAID FOR SEPARATELY (UNLESS OTHERWISE INDICATED) BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF THE REMOVAL ITEM.
- 26 ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL.
- 27 WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1&1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- 28 PRIOR TO PLACING HMA ADJACENT TO EXISTING PAVEMENT TO REMAIN, THE EXPOSED EDGE SHALL BE CLEANED OF LOOSE MATERIAL TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT COST OF THE HMA PAY ITEMS BEING PLACED.
- 29 10 FT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ENGINEER. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
- 30 BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE THE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR HOT-MX ASPHALT SURFACE REMOVAL-BUTT JOINT.
- 31 THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
- 32 REMOVAL OF MEDIANS AND ISLANDS WILL BE PAID FOR AS "MEDIAN REMOVAL"
- 33 CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE II OR TYPE II BARRICADE USED. (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.) FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE. THIS WORK WILL NOT BE PAID FOR SEPARATELY. BUT THE COST SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 34 WHENEVER, DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE DRAINAGE PAY ITEMS.
- 35 SHOULD ANY DAMAGES OCCUR DUE TO THE CONTRACTOR'S NEGLIGENCE, THE CONTRACTOR, IN ACCORDANCE WITH ARTICLE 107.20, SHALL MAKE REPAIRS IN A MANNER ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF THE CONSTRUCTION SCHEDULE AND COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY COMPANIES SO THAT RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER.
- 36 THE CONTRACTOR'S SUPERINTENDENT MUST BE ON THE CONSTRUCTION SITE AT ALL TIMES DURING THE WORKING HOURS WHILE THIS PROJECT IS IN PROGRESS. THE CONTRACTOR'S SUPERINTENDENT MUST BE THE DESIGNATED RESPONSIBLE CONTRACTOR REPRESENTATIVE AND MUST BE AVAILABLE IN CASE OF EMERGENCIES ON A TWENTY-FOUR (24) HOUR BASIS.
- 37 IF EXISTING DRAINAGE FACILITIES ARE DAMAGED OR DISTURBED BY THE CONTRACTOR, THEY SHALL BE REPAIRED TO THE ORIGINAL WORKING CONDITION OR REPLACED AT NO ADDITIONAL COMPENSATION.
- 38 CONNECTION OF THE EXISTING DRAIN TILES, PIPE CULVERTS OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM AS SHOWN ON THE PLANS SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT. REMOVAL OF EXISTING HEADWALLS/END SECTIONS AND APPURTENANCES, TRENCH BACKFILL FOR PIPE CULVERT/STORM SEWER EXTENSIONS SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE DRAINAGE PIPE ITEMS INSTALLED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 39 THE CONTRACTOR MUST COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY REGULATIONS, AS WELL AS THOSE SPECIFIED IN THE CONTRACT DRAWINGS AND SPECIFICATIONS.
- 40 THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING DRAINAGE AND INSTALLING TEMPORARY DRAINAGE FACILITIES AS NEEDED AT NO ADDITIONAL COMPENSATION. FILTER FABRIC AND AGGREGATE FILL FOR TEMPORARY DRAINAGE WILL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COMPENSATION.
- 41 THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION AT THE EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPOSED LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
- 42 MACHINE CORING IS THE ONLY ACCEPTABLE METHOD OF CREATING A NEW OPENING FOR ALL EXISTING DRAINAGE STRUCTURES REQUIRING NEW CONNECTIONS (WHERE OPENINGS ARE NOT ALREADY EXISTING WITH TEMPORARY PLUGS). THIS WORK SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- 43 ADJUSTMENT OF STRUCTURES MAINTAINED BY OTHER AGENCIES SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY MAINTAINING THE SYSTEM OF THE STRUCTURE INVOLVED.

 -DENOTES ITEMS AND WORK, NOT PAID FOR SEPARATELY.

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

PROFILE	REVISION	DATE
NOTE BOOK	PLOTTED	
NO.	GRADES	
	CHECKED	
	BY	
	NOTED	
	STRUCTURE	
	NOT A P/S	
	CHKD	

SUMMARY OF QUANTITIES

SP	SPECIALTY TEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	TRAFFIC SIGNALS 0021	TRANEES 0042
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	60	60		
		20100500	TREE REMOVAL, ACRES	ACRE	0.25	0.25		
		20101000	TEMPORARY FENCE	FOOT	700	700		
		20200100	EARTH EXCAVATION	CU YD	16,222	16,222		
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	225	225		
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	673	673		
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	8,330	8,330		
		21101815	COMPOST FURNISH AND PLACE, 4"	SQ YD	4,592	4,592		
		21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	250	250		
		25000210	SEEDING, CLASS 2A	ACRE	2.00	2.00		
		25000310	SEEDING, CLASS 4	ACRE	1.00	1.00		
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	245	245		
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	245	245		
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	245	245		
		25100630	EROSION CONTROL BLANKET	SQ YD	13,569	13,569		
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	286	286		
*		28000305	TEMPORARY DITCH CHECK	FOOT	204	204		
		28000400	PERIMETER EROSION BARRIER	FOOT	4,967	4,967		
		28000500	INLET AND PIPE PROTECTION	EACH	27	27		
		28000510	INLET FILTERS	EACH	8	8		
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	6,785	6,785		
		35501321	HOT-MIX ASPHALT BASE COURSE, 9 1/4"	SQ YD	6,620	6,620		
		35600713	HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4"	SQ YD	385	385		
		40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	7,460	7,460		
		40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	169	169		
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	448	448		
		40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,817	1,817		
		40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	2,137	2,137		
		44000100	PAVEMENT REMOVAL	SQ YD	1,146	1,146		
		44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	979	979		
		44003100	MEDIAN REMOVAL	SQ FT	1,377	1,377		
		44004250	PAVED SHOULDER REMOVAL	SQ YD	3,584	3,584		
		44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	50	50		
		44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	50	50		
		44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	50	50		
		44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	50	50		
		44213200	SAWCUTS	FOOT	3,359	3,359		
		44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3,359	3,359		
		48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1,078	1,078		
		48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	3,502	3,502		

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

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

FILE NAME = D:\157207-SHT-S00-01.DGN

USER NAME = melopez

DESIGNED - ML

REVISED -

DRAWN - BH

REVISED -

PLOT SCALE = #SCALE#

CHECKED - DW

REVISED -

PLOT DATE = 11/29/2011

DATE - 04-04-11

REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
SUMMARY OF QUANTITIES**

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	5
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NTS SHEET NO. 1 OF 4 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES

SP	SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	TRAFFIC SIGNALS 0021	TRAINEES 0042
		54213447	END SECTION 12"	EACH	1	1		
		54213459	END SECTIONS 24"	EACH	1	1		
		542A1069	PIPE CULVERT, CLASS A, TYPE 2 24"	FOOT	10	10		
		54214299	END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	2	2		
		550A0050	STORM SEWER CLASS A, TYPE 1 12"	FOOT	13	13		
		542A8209	PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 24"	FOOT	90	90		
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	15	15		
*		60109510	PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"	FOOT	5,401	5,401		
		60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1		
		60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	79	79		
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	534	534		
		60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1,184	1,184		
		60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	1,326	1,326		
		60624600	CORRUGATED MEDIAN	SQ FT	139	139		
+		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	212.5	212.5		
+		63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1		
+		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1		
		63200310	GUARDRAIL REMOVAL	FOOT	310	310		
+		63500105	DELINEATORS	EACH	39	39		
		64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	855	855		
		67100100	MOBILIZATION	L SUM	1	1		
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	16	16		
		70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	274	274		
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	41,795	41,795		
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	396	396		
		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	14,971	14,971		
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,300	1,300		
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,000	1,000		
+		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	546	546		
+		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7,909	7,909		
+		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,828	1,828		
+		78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	497	497		
+		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	145	145		
+		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	97	97		
+		78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT	1,945	1,945		
+		78003120	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 5"	FOOT	214	214		
+		78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	98	98		
+		78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	280	280		
+		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	182	182		
+		78200410	GUARDRAIL MARKERS, TYPE A	EACH	4	4		
+		78200530	BARRIER WALL MARKERS, TYPE C	EACH	176	176		
+		78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1		

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

FILE NAME = D:\1157207-SHT-S00-02.DGN

USER NAME = malopez

DESIGNED - ML

REVISED -

DRAWN - BH

REVISED -

PLOT SCALE = #SCALE#

CHECKED - DW

REVISED -

PLOT DATE = 11/29/2011

DATE - 04-04-11

REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	6

CONTRACT NO. 63623

SCALE: NTS SHEET NO. 2 OF 4 SHEETS STA. TO STA.

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

SP	SPECIALTY TEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	TRAFFIC SIGNALS 0021	TRAINEES 0042
		78300100	PAVEMENT MARKING REMOVAL	SQ FT	7,415	7,415		
	+	80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1		1	
	+	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,934		1,934	
	+	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	98		98	
	+	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	415		415	
	+	81400100	HANDHOLE	EACH	7		7	
	+	81400200	HEAVY DUTY HANDHOLE	EACH	4		4	
	+	81400300	DOUBLE HANDHOLE	EACH	1		1	
*	+	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2	
	+	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	6,640		6,640	
	+	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,344		2,344	
	+	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,036		1,036	
	+	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,875		3,875	
	+	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	771		771	
	+	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,232		3,232	
	+	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1		1	
	+	87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1		1	
	+	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1		1	
	+	87700180	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1		1	
	+	87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1		1	
	+	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16	
	+	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10		10	
*	+	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11		11	
	+	87900200	DRILL EXISTING HANDHOLE	EACH	6		6	
	+	88040030	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	1		1	
	+	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6		6	
	+	88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1	
	+	88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	1		1	
	+	88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1		1	
	+	88040330	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1		1	
	+	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	16		16	
	+	88500100	INDUCTIVE LOOP DETECTOR	EACH	12		12	
	+	88600100	DETECTOR LOOP, TYPE I	FOOT	900		900	
	+	88700200	LIGHT DETECTOR	EACH	4		4	
	+	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1	
	+	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1	
	+	89502200	MODIFY EXISTING CONTROLLER	EACH	1		1	
	+	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6,553		6,553	
*	+	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1	
*	+	89502380	REMOVE EXISTING HANDHOLE	EACH	11		11	

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
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FILE NAME = 01157207-SHT-500-03.DGN

USER NAME = melopez

DESIGNED - ML

REVISED -

DRAWN - BH

REVISED -

PLOT SCALE = #SCALE#

CHECKED - DW

REVISED -

PLOT DATE = 11/29/2011

DATE - 04-04-11

REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
SUMMARY OF QUANTITIES**

SCALE: NTS

SHEET NO. 3 OF 4 SHEETS

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	7
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

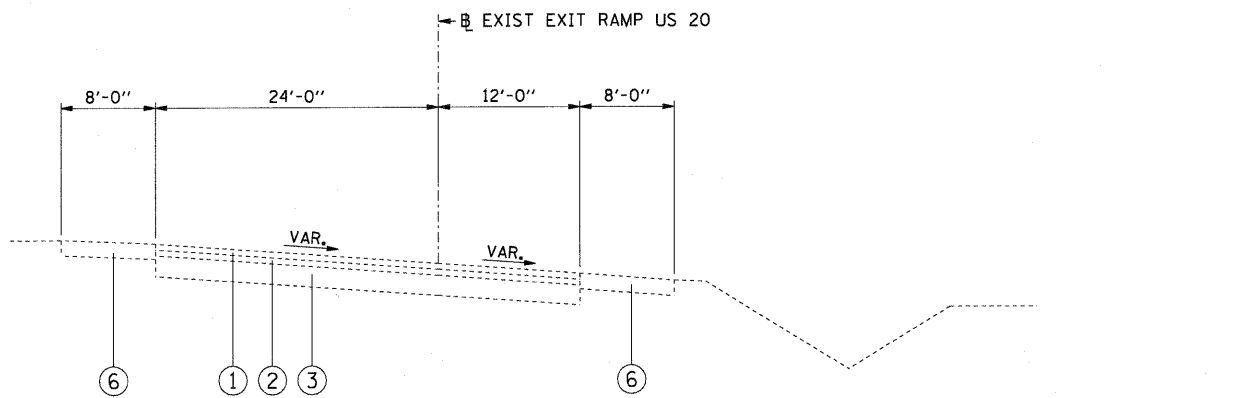
SP	SPECIALTY TEM	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003	TRAFFIC SIGNALS 0021	TRAINEES 0042
*	+	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1	
*	+	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4		4	
	+	A2001120	TREE, ACER RUBRUM OCTOBER GLORY (OCTOBER GLORY RED MAPLE), 2-1/2" CALIPER, BALLE	EACH	8	8		
*		X0323260	SEDIMENT BASIN	EACH	2	2		
*		X0325201	SHOULDER RUMBLE STRIP REMOVAL	SQ YD	380	380		
*		X0326440	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	SQ YD	11,706	11,706		
*		X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1		
*	+	X7800605	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	255	255		
*	+	X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	6,693	6,693		
*	+	X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1,654	1,654		
*	+	X7800640	URETHANE PAVEMENT MARKING - LINE 8"	FOOT	214	214		
*	+	X7800650	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	20	20		
*	+	X7800680	URETHANE PAVEMENT MARKING - LINE 24"	FOOT	98	98		
*	+	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	78	78		
*	+	X8130125	REMOVE EXISTING JUNCTION BOX	EACH	2		2	
*	+	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	6,640		6,640	
*	+	X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	1,036		1,036	
*		Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	10,609	10,609		
*		Z0013796	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE	SQ YD	624	624		
*		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
*		Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	3	3		
*		Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	3	3		
*	+	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3		3	
*		Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	225	225		
*		Z0062456	TEMPORARY PAVEMENT	SQ YD	1,435	1,435		
*	+	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1	
*		Z0076600	TRAINEES	HOUR	1,500			1,500
*	+	XX008608	CABLE, SPECIAL	FOOT	217		217	
*	+	XX007952	NETWORK CONFIGURATION	LSUM	1		1	

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
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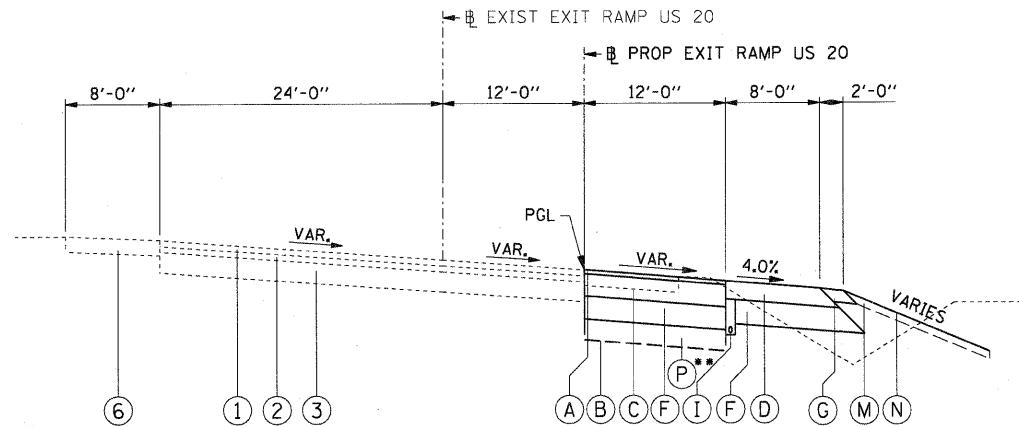
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EXISTING TYPICAL SECTION

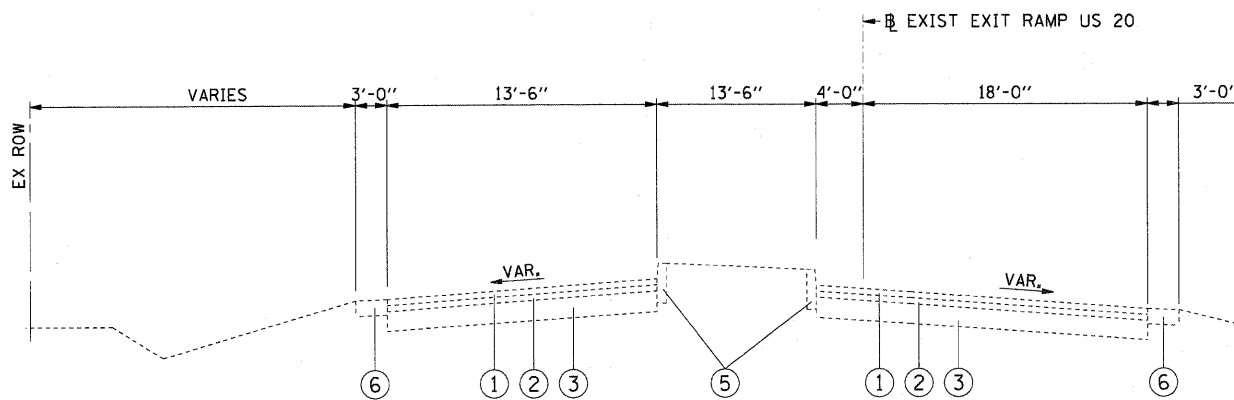
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PROPOSED TYPICAL SECTION

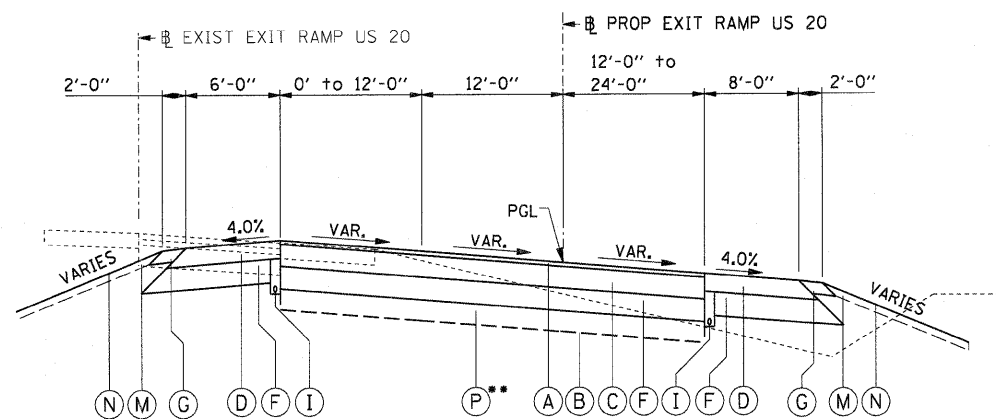
STA. 2097+09.42 TO STA. 2102+25.72 (EXIT RAMP US 20)

(P)** TO BE DETERMINED BY THE ENGINEER



EXISTING TYPICAL SECTION

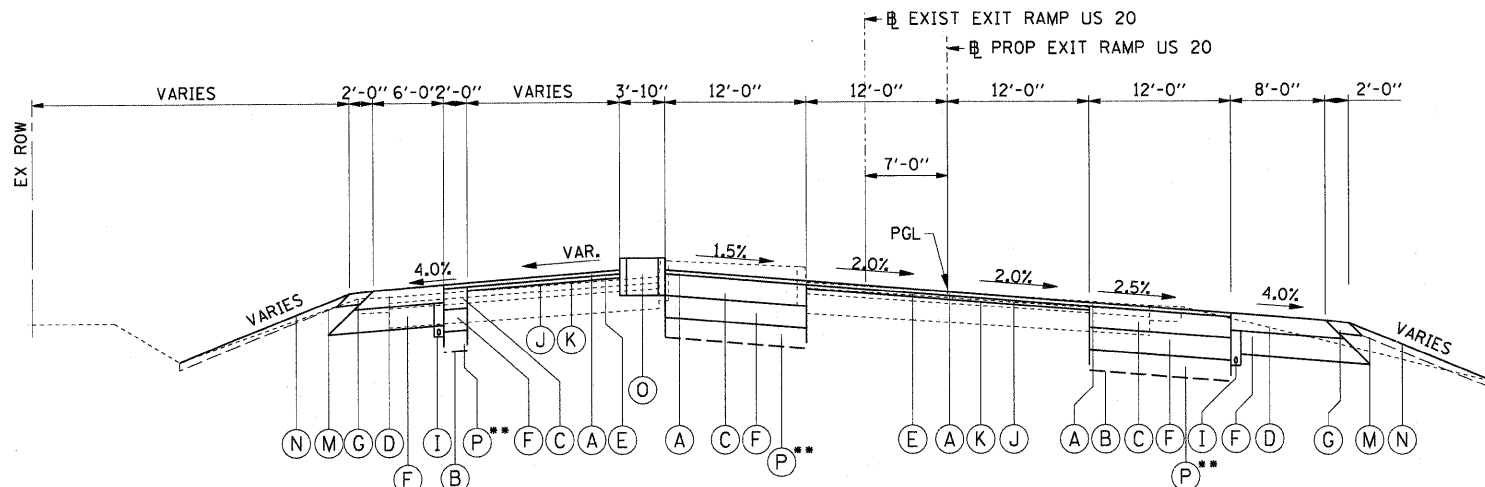
STA. 2107+93.80 TO STA. 2109+00.00 (EXIT RAMP US 20)



PROPOSED TYPICAL SECTION

STA. 2102+25.72 TO STA. 2107+93.80 (EXIT RAMP US 20)

(P)** TO BE DETERMINED BY THE ENGINEER



PROPOSED TYPICAL SECTION

STA. 2107+93.80 TO STA. 2109+00.00 (EXIT RAMP US 20)

(P)** TO BE DETERMINED BY THE ENGINEER

EXISTING LEGEND

- ① EXISTING HMA SURFACE 1 1/2" - 2"
- ② EXISTING HMA BINDER 2 1/2"
- ③ EXISTING HMA BASE 10.25"
- ④ BITUMINOUS SHOULDER 10"
- ⑤ EXISTING COMB CONC. CURB AND GUTTER, TYPE B-6.24
- ⑥ AGGREGATE SHOULDER

PROPOSED LEGEND

- A POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- B GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- C HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4" / HOT-MIX ASPHALT BASE COURSE, 9 1/4"
- D HOT-MIX ASPHALT SHOULDERS, 8"
- E HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2 1/4" & VARIES
- F AGGREGATE SUBGRADE, 12"
- G AGGREGATE SHOULDER, TYPE B 6"
- H COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- I PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"
- J SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) (3/4" MIN. & VARIES)
- K LEVELING BINDER (MACHINE METHOD), N70 (0" - 2 1/4" MAX.)
- L NOT USED
- M TOPSOIL FURNISH AND PLACE, 4"
- N SEEDING, CLASS 2A
- O PC CONCRETE ISLANDS AND MEDIANS
- P POROUS GRANULAR EMBANKMENT, SUBGRADE/REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

HMA MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES
PAVEMENT WIDENING / RECONSTRUCTION	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"	4% @ 90 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4" (POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N90, 2")	4% @ 90 GYR.
(HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N90, 7 1/4")	4% @ 90 GYR. (IN 3 LIFTS)
HOT-MIX ASPHALT BASE COURSE, 9 1/4" (POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N90, 2")	4% @ 90 GYR.
(HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N90, 7 1/4")	4% @ 90 GYR. (IN 3 LIFTS)
PAVEMENT RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"	4% @ 90 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4" & VARIES	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70 (0" MIN. - 2 1/4" MAX.)	4% @ 70 GYR.
HMA SHOULDERS	
HOT-MIX ASPHALT SHOULDERS, 8" (HOT-MIX ASPHALT BINDER COURSE IL-19.0)	4% @ 50 GYR. (IN 3 LIFTS)
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50 (IL-9.5 MM), 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0 MM, N50, 4"	4% @ 50 GYR.

NOTES FOR HMA MIXTURE REQUIREMENTS:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22", AND FOR NON-POLYMERIZED HMA, THE "TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP", SEE DISTRICT ONE SPECIAL PROVISIONS.

FILE NAME = D:\157207-SHT-TYP-01.DGN

USER NAME = melopez
 PLOT SCALE = #SCALE#
 PLOT DATE = 10/24/2011

DESIGNED - ML
 DRAWN - BH
 CHECKED - DW
 DATE - 04-04-11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

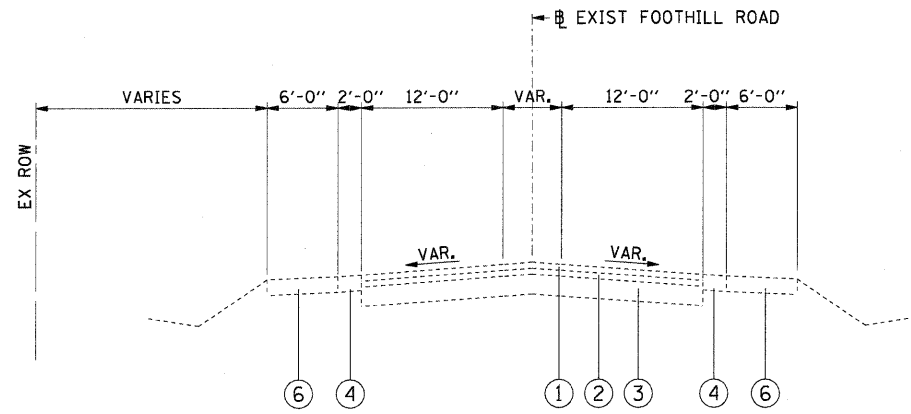
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
 TYPICAL SECTIONS**

SCALE: NTS SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	9
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63623	

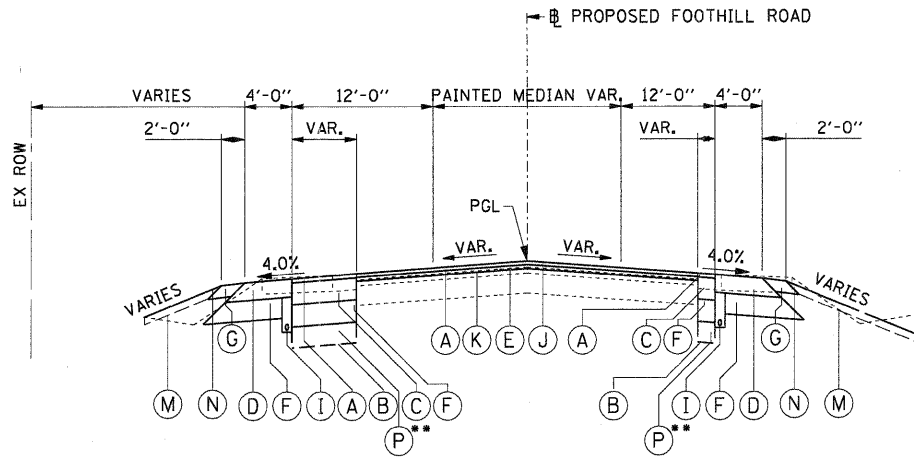
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REVIEWED	
ALIGNED	
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NO.	
NOTE BOOK	
NO.	
STRUCTURE	
NOTATION	
ROAD	

DATE	
BY	
REVIEWED	
ALIGNED	
CHECKED	
DATE	
PROFILE	
NO.	
NOTE BOOK	
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ROAD	



EXISTING TYPICAL SECTION

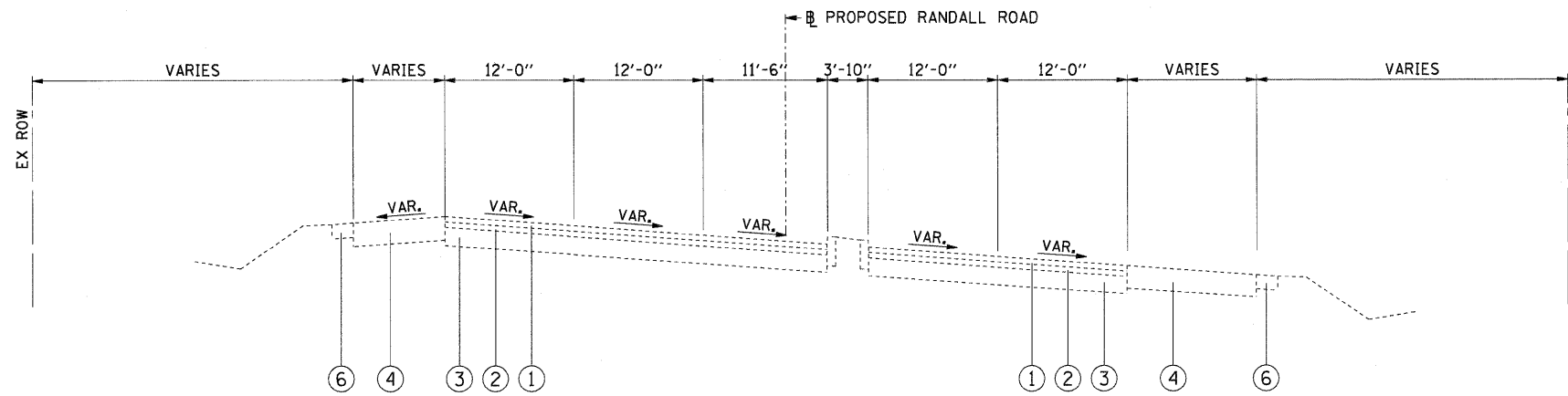
STA. 71+00.00 TO STA. 78+93.00 (FOOTHILL ROAD)



PROPOSED TYPICAL SECTION

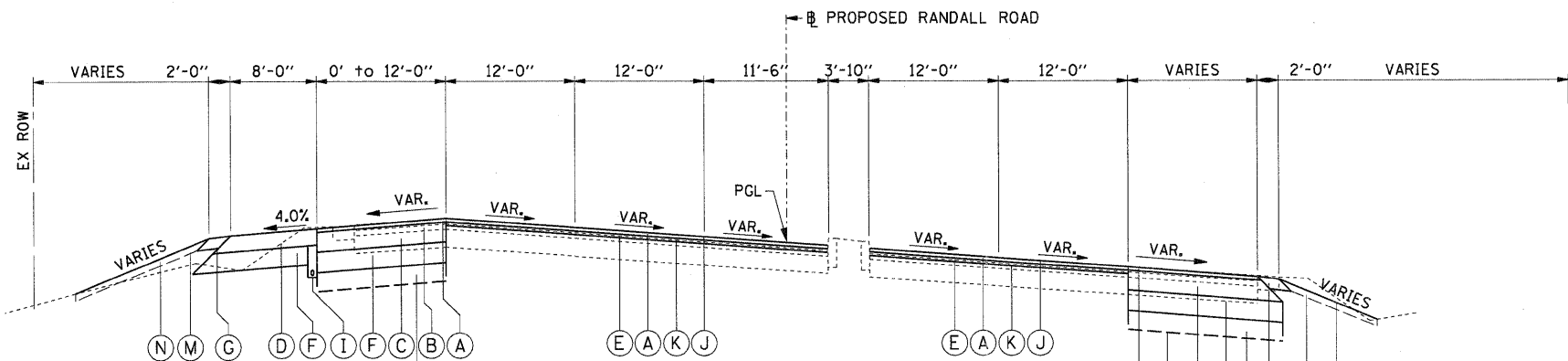
STA. 71+00.00 TO STA. 78+93.00 (FOOTHILL ROAD)

(P)** TO BE DETERMINED BY THE ENGINEER



EXISTING TYPICAL SECTION

STA. 158+50.00 TO STA. 161+66.00 (RANDALL ROAD)



PROPOSED TYPICAL SECTION

STA. 158+50.00 TO STA. 161+66.00 (RANDALL ROAD)

(P)** TO BE DETERMINED BY THE ENGINEER

EXISTING LEGEND

- ① EXISTING HMA SURFACE 1 1/2" - 2"
- ② EXISTING HMA BINDER 2 1/2"
- ③ EXISTING HMA BASE 10.25"
- ④ BITUMINOUS SHOULDER 10"
- ⑤ EXISTING COMB CONC. CURB AND GUTTER, TYPE B-6.24
- ⑥ AGGREGATE SHOULDER

PROPOSED LEGEND

- (A) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- (B) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (C) HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4" / HOT-MIX ASPHALT BASE COURSE, 9 1/4"
- (D) HOT-MIX ASPHALT SHOULDERS, 8"
- (E) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2 1/4" & VARIES
- (F) AGGREGATE SUBGRADE, 12"
- (G) AGGREGATE SHOULDER, TYPE B 6"
- (H) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (I) PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"
- (J) SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) (3/4" MIN. & VARIES)
- (K) LEVELING BINDER (MACHINE METHOD), N70 (0" - 2 1/4" MAX.)
- (L) NOT USED
- (M) TOPSOIL FURNISH AND PLACE, 4"
- (N) SEEDING, CLASS 2A
- (O) PC CONCRETE ISLANDS AND MEDIANS
- (P) POROUS GRANULAR EMBANKMENT, SUBGRADE/REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

FILE NAME = D1157207-SHT-TYP-03.DGN

USER NAME = molopez
 PLOT SCALE = 1/8" = 1' SCALE
 PLOT DATE = 10/24/2011

DESIGNED - ML
 DRAWN - BH
 CHECKED - DW
 DATE - 04-04-11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
 TYPICAL SECTIONS**

SCALE: NTS SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 11
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	ALIGNMENT CHECKED		
	GRADES CHECKED		
	PAVING CHECKED		
	FILE NAME		

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

END SECTIONS 12"			
ROAD	STA	OFFSET	EACH
RANDALL ROAD (SOUTH)	153+50.00	LT	1
TOTAL			1.00

END SECTIONS 24"			
ROAD	STA	OFFSET	EACH
RANDALL ROAD (SOUTH)	155+50.00	RT	1
TOTAL			1.00

PIPE CULVERTS, CLASS A, TYPE 2 24"			
ROAD	STA	OFFSET	FOOT
RANDALL ROAD (SOUTH)	155+50.00	RT	10.00
TOTAL			10.00

STORM SEWERS, CLASS A, TYPE 1 12"			
ROAD	STA	OFFSET	FOOT
RANDALL ROAD (SOUTH)	153+50.00	LT	13.00
TOTAL			13.00

CONCRETE HEADWALLS FOR PIPE DRAINS			
ROAD	STA	OFFSET	EACH
RANDALL ROAD (SOUTH)	154+00.00	LT	1.00
	155+00.00	RT	1.00
RANDALL ROAD (NORTH)	160+00.75	LT	1.00
	158+59.04	RT	1.00
	161+65.00	LT	1.00
US 20 RAMP	2106+00.00	LT	1.00
	2097+99.03	RT	1.00
	2101+00.00	RT	1.00
	2105+00.00	RT	1.00
	2109+00.00	RT	1.00
	2103+85.00	LT	1.00
FOOTHILL	072+00.00	LT	1.00
	075+00.11	LT	1.00
	072+00.00	RT	1.00
	074+99.93	RT	1.00
TOTAL			16.00

PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"					
ROAD	STA	TO	STA	OFFSET	FOOT
RANDALL ROAD (SOUTH)	150+22.89		156+50.57	LT	629.00
	153+25.00		156+44.17	RT	337.00
RANDALL ROAD (NORTH)	158+18.00		161+66.00	LT	381.00
	158+11.17		158+76.63	RT	84.00
US 20 RAMP	2097+53.00		2110+02.19	RT	1,306.00
	2103+70.74		2109+98.71	LT	694.00
	2108+90.72		2110+06.49	LT	135.00
FOOTHILL	70+51.18		78+92.68	RT	866.00
	70+41.01		78+93.00	LT	969.00
TOTAL					5,401.00

INLETS TO BE ADJUSTED			
ROAD	STA	OFFSET	EACH
US ROUTE 20	2109+37.24	18.07	1
TOTAL			1.00

PAVEMENT SCHEDULE

LOCATION	HOT-MIX ASPHALT BASE COURSE 9 1/4" (SQ YD)	HOT-MIX ASPHALT BASE COURSE WIDENING 9 1/4" (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (GAL)	LEVELING BINDER (MACHINE METHOD), N70 (TON)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (TON)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (TON)	STRIP REFLECTIVE CRACK CONTROL TREATMENT (FOOT)	AGGREGATE SHOULDERS, TYPE B 6" (SQ YD)	HOT-MIX ASPHALT SHOULDERS, 8" (SQ YD)	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.06 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 (FOOT)	CONCRETE MEDIAN SURFACE, 4 INCH (SQ FT)	CONCRETE MEDIAN, TYPE SB-6.12 (SQ FT)	CORRUGATED MEDIAN, (SQ FT)	STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 6 (EACH)
RANDALL ROAD (SOUTH)																
STA. 149+97.6 TO 157+38.0 (NORTH)	1025	68	1687	77	709.9	741.8	1000	188	762				56		212.5	1
STA. 157+38.0 TO 161+66.0	378	43	630	30	271.2	292.2	455	94	251				224			
FOOTHILL ROAD																
STA. 70+31.6 TO STA. 78+93.0	1428	150	1731	41	190.8	516.9	825	381	745		390					
US ROUTE 20																
STA. 2097+09.5 TO STA. 2110+29.2	3596	112	3412	15	591.6	523.5	1079	415	1744	79	144	1184	1046	139		
ADDITIONAL	193	12		5	52.9	62.2										
TOTAL	6620	385	7460	169	1817	2137	3359	1078	3502	79	534	1184	1326	139	212.5	1

PAVEMENT SCHEDULE

LOCATION	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (EACH)	DELINEATORS (EACH)	SHOULDER RUMBLE STRIPS, 16 INCH (FOOT)	GUARDRAIL MARKERS, TYPE A (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)	AGGREGATE SUBGRADE 12" (SQ YD)	TEMPORARY PAVEMENT (SQ YD)
RANDALL ROAD (SOUTH)							
STA. 149+97.6 TO 157+38.0 (NORTH)	1			4	1	1904	16
STA. 157+38.0 TO 161+66.0						710	28
FOOTHILL ROAD							
STA. 70+31.6 TO STA. 78+93.0						2475	1101
US ROUTE 20							
STA. 2097+09.5 TO STA. 2110+29.2		39	855			5520	290
ADDITIONAL							0
TOTAL	1	39	855	4	1	10609	1435

DATE: _____
 BY: _____
 PLAN NO.: _____
 CHECKED: _____
 DATE: _____

DATE: _____
 BY: _____
 PROFILE NO.: _____
 CHECKED: _____
 DATE: _____

FILE NAME = D:\157207-SHT-SCH-02.dgn

USER NAME = melopez	DESIGNED - BH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - ML	REVISED -
PLOT DATE = 11/29/2011	CHECKED - DWW	REVISED -
	DATE - 05-09-2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
PAVEMENT AND PAVEMENT MARKING SCHEDULES**

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	13
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63623	

EROSION CONTROL AND LANDSCAPING SCHEDULE

LOCATION	TREE REMOVAL (6 TO 15 UNITS DIAMETER) (UNIT)	TREE REMOVAL ACRES (ACRE)	TEMPORARY FENCE (FOOT)	TOPSOIL FURNISH AND PLACE, 4" (SQ YD)	COMPOST FURNISH AND PLACE, 4" (SQ YD)	SEEDING, CLASS 2A (ACRE)	SEEDING, CLASS 4 (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	EROSION CONTROL BLANKET (SQ YD)	TEMPORARY EROSION CONTROL BLANKET (SQ YD)	TEMPORARY EROSION CONTROL SEEDING (POUND)	TEMPORARY DITCH CHECK (FOOT)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)	TREE, ACER RUBRUM OCTOBER GLORY (OCTOBER GLORY RED MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED (EACH)	SEDIMENT BASIN (EACH)	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE (SQ YD)	
RANDALL ROAD (SOUTH)																					
STA. 149+97.6 TO 157+38.0 (NORTH)				1759		0.38		34.2	34.2	34.2	1759	880	38	60	1010	4	4				156
STA. 157+38.0 TO 161+66.0				499		0.11		9.9	9.9	9.9	499	250	11	12	424	9	3		2		156
FOOTHILL ROAD																					
STA. 70+31.6 TO STA. 78+93.0		0.14	700	2137		0.45		40.5	40.5	40.5	2137	1069	45		1770	5					156
US ROUTE 20																					
STA. 2097+09.5 TO STA. 2110+29.2	60			3935	4592	0.83	0.95	160.2	160.2	160.2	8527	4264	178	132	1763	9	1	8			156
ADDITIONAL											647	324	14								
TOTAL	60	0.25	700	8330	4592	2.00	1.00	245	245	245	13569	6785	286	204	4967	27	8	8	2		624

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
RANDALL ROAD				
STA. 149+97.6 TO 161+66	1655	1241	346	895
FOOTHILL ROAD				
STA. 70+31.6 TO STA. 78+93.0	897	673	489	184
US ROUTE 20				
STA. 2097+09.5 TO STA. 2110+29.2	13670	10253	450	9803
TOTAL	16222	12167	1285	10882

SHRINKAGE FACTORS
EARTH EXCAVATION 25%
NOTE:
CUTS AND FILLS HAVE BEEN ADJUSTED FOR TOPSOIL PLACEMENT.

REMOVAL SCHEDULE

LOCATION	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (SQ YD)	PAVEMENT REMOVAL (SQ YD)	COMBINATION CONCRETE CURB AND GUTTER REMOVAL (FOOT)	MEDIAN REMOVAL (SQ FT)	PAVED SHOULDER REMOVAL (SQ YD)	SAW CUT (FOOT)	GUARDRAIL REMOVAL (FOOT)	SHOULDER RUMBLE STRIP REMOVAL (SQ YD)	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) (SQ YD)
RANDALL ROAD									
STA. 149+97.6 TO 157+38.0 (SOUTH)	180	5		45	1044	1000	310		5529
STA. 157+38.0 TO 161+66.0 (NORTH)	182	5		336	425	455			2148
FOOTHILL ROAD									
STA. 70+31.6 TO STA. 78+93.0	42			488	366	825			2942
US ROUTE 20									
STA. 2097+09.5 TO STA. 2110+29.2	44	1136	979	508	1749	1079		380	1087
ADDITIONAL									
TOTAL	448	1146	979	1377	3584	3359	310	380	11706

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKING - (HMA PAVEMENT SURFACE)						URETHANE PAVEMENT MARKING						PREFORMED PLASTIC PAVEMENT MARKING TYPE B				RAISED REFLECTIVE PAVEMENT MARKER (EACH)	RECESSED REFLECTIVE PAVEMENT MARKER (EACH)	PAVEMENT MARKING REMOVAL (SQ FT)	TEMPORARY PAVEMENT MARKING		WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)	
	LETTERS AND SYMBOLS (SQ FT)	LINE - 4" (FOOT)	LINE - 6" (FOOT)	LINE - 8" (FOOT)	LINE - 12" (FOOT)	LINE - 24" (FOOT)	LETTERS AND SYMBOLS (SQ FT)	LINE - 4" (FOOT)	LINE - 6" (FOOT)	LINE - 8" (FOOT)	LINE - 12" (FOOT)	LINE - 24" (FOOT)	LINE - 4" (FOOT)	LINE - 5" (FOOT)	LINE - 6" (FOOT)	LINE - 8" (FOOT)				LETTERS AND SYMBOLS (SQ FT)	LINE - 4" (FOOT)		LINE - 24" (FOOT)
RANDALL ROAD																							
STA. 149+97.6 TO 157+38.0 (SOUTH)							145.6	4735	1137	155	20	62					55	2127	72.8	9596	91	3454	
STA. 157+38.0 TO 161+66.0 (NORTH)							109.2	1958	517	59		36					23	1036	72.8	4897	66	1838	
FOOTHILL ROAD																							
STA. 70+31.6 TO STA. 78+93.0	145.6	5708	615		83	40											69	1598		11802	121	4082	
US ROUTE 20																							
STA. 2097+09.5 TO STA. 2110+29.2	400.4	2201	1213	497	62	57							1945	214	98	280	113		2654	72.8	10856	74	3934
ADDITIONAL																				54.8	4644	44	1663
TOTAL	546	7909	1828	497	145	97	255	6693	1654	214	20	98	1945	214	98	280	182	78	7415	274	41795	396	14971

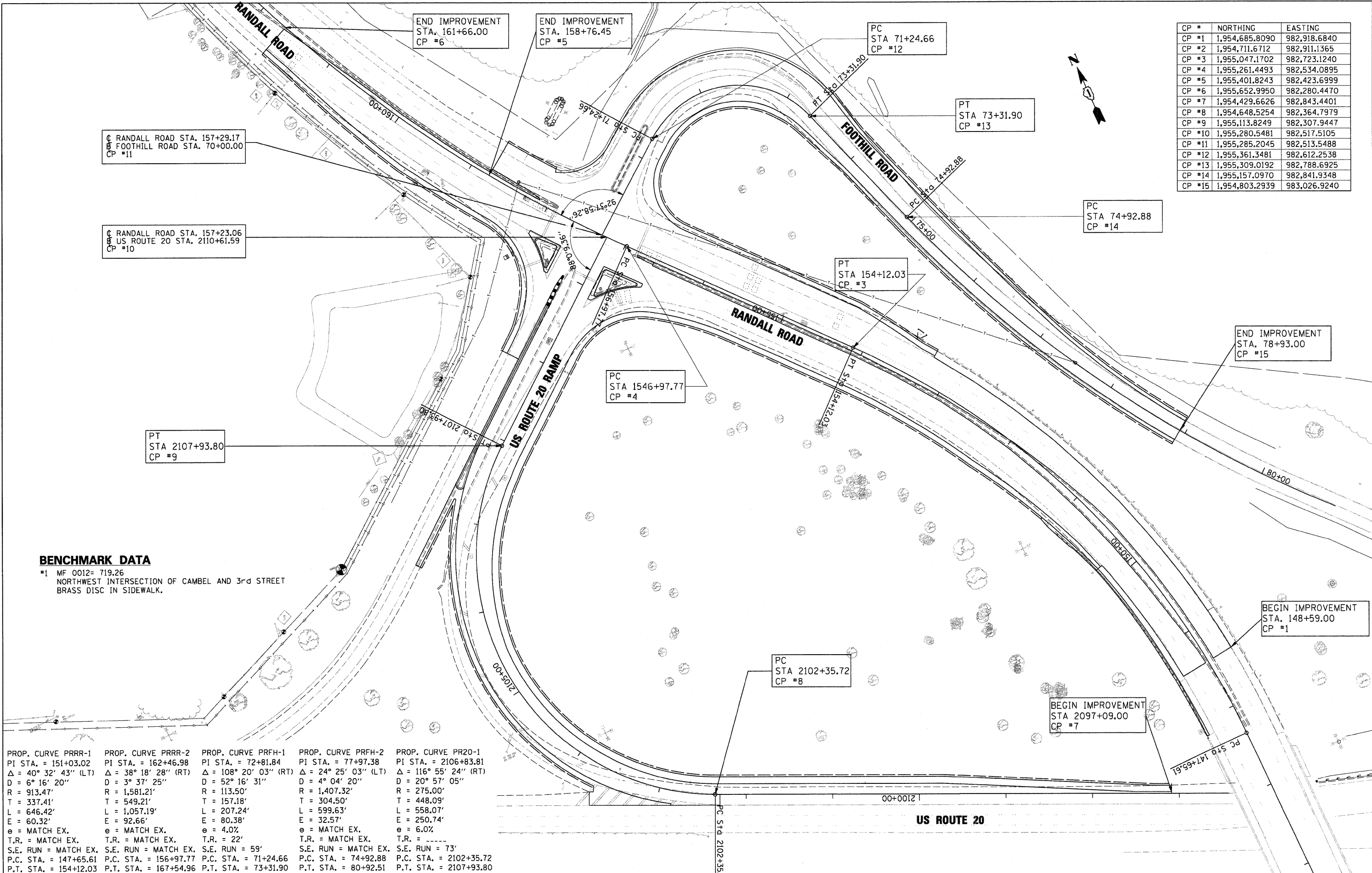
SURVEYED _____ DATE _____
 PLAN _____
 NOTE BOOK _____
 NO. _____
 ALL COMMENTS CHECKED _____
 P.T. OR WAY CHECKED _____
 JOB FILE NAME _____

SURVEYED _____ DATE _____
 PROFILE _____
 NOTE BOOK _____
 NO. _____
 GRADES CHECKED _____
 B.M. NOTED _____
 STRUCTURE NOTATIONS OK'D _____

DATE	
BY	
PROJECT	
PLANNING	
DESIGN	
CONSTRUCTION	
NO.	

DATE	
BY	
PROJECT	
PLANNING	
DESIGN	
CONSTRUCTION	
NO.	

CP #	NORTHING	EASTING
CP #1	1,954,685.8090	982,918.6840
CP #2	1,954,711.6712	982,911.1365
CP #3	1,955,047.1702	982,723.1240
CP #4	1,955,261.4493	982,534.0895
CP #5	1,955,401.8243	982,423.6999
CP #6	1,955,652.9950	982,280.4470
CP #7	1,954,429.6626	982,843.4401
CP #8	1,954,648.5254	982,364.7979
CP #9	1,955,113.8249	982,307.9447
CP #10	1,955,280.5481	982,517.5105
CP #11	1,955,285.2045	982,513.5488
CP #12	1,955,361.3481	982,612.2538
CP #13	1,955,309.0192	982,788.6925
CP #14	1,955,157.0970	982,841.9348
CP #15	1,954,803.2939	983,026.9240

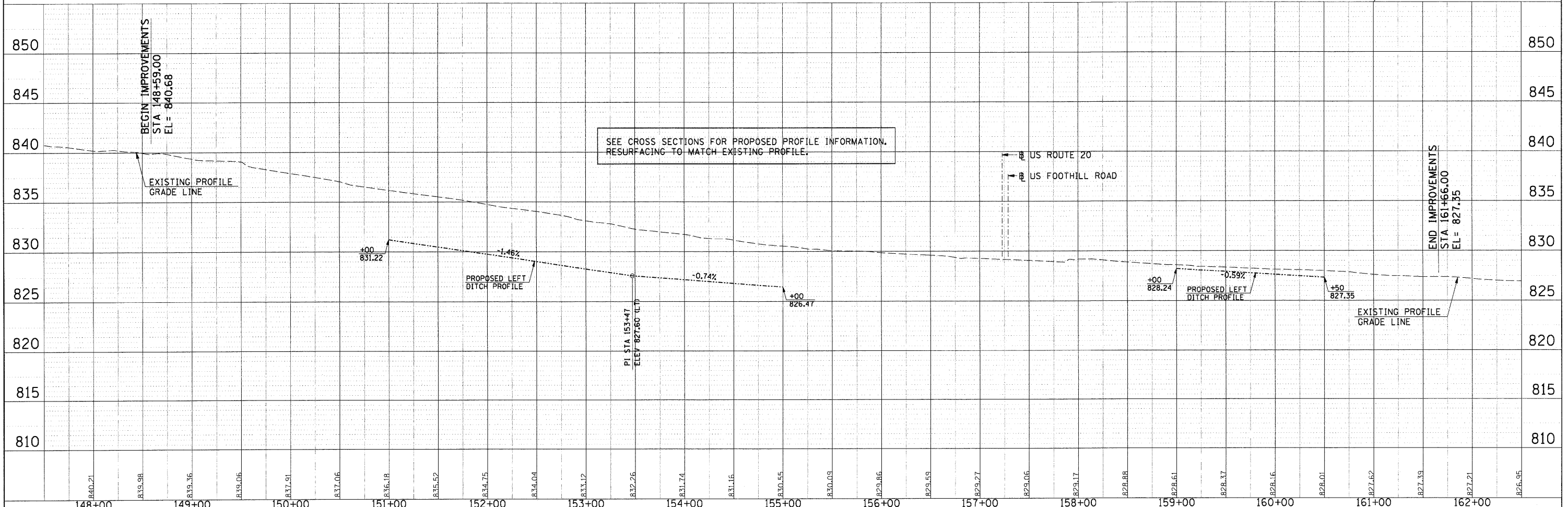
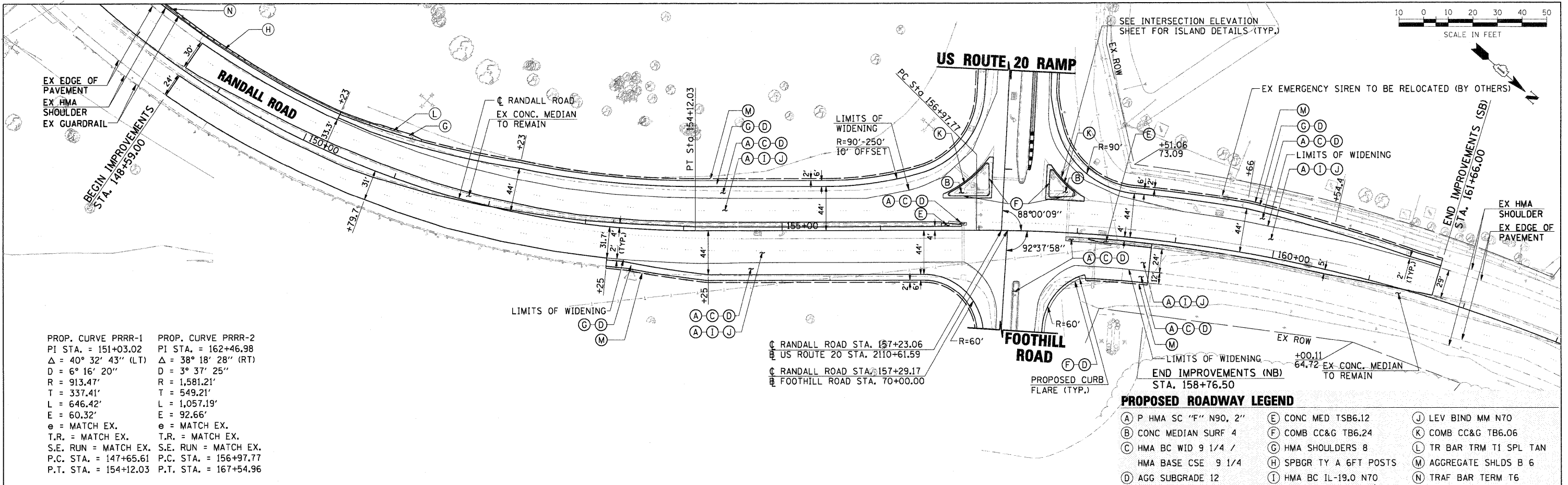


BENCHMARK DATA
 #1 MF 0012= 719.26
 NORTHWEST INTERSECTION OF CAMEL AND 3rd STREET
 BRASS DISC IN SIDEWALK.

PROP. CURVE	PI STA.	DELTA	D	R	T	L	E	e	T.R.	S.E. RUN	P.C. STA.	P.T. STA.
PRRR-1	151+03.02	40° 32' 43" (LT)	6° 16' 20"	913.47'	337.41'	646.42'	60.32'	MATCH EX.	MATCH EX.	MATCH EX.	147+65.61	154+12.03
PRRR-2	162+46.98	38° 18' 28" (RT)	3° 37' 25"	1,581.21'	549.21'	1,057.19'	92.66'	MATCH EX.	MATCH EX.	MATCH EX.	156+97.77	167+54.96
PRFH-1	72+81.84	108° 20' 03" (RT)	52° 16' 31"	113.50'	157.18'	207.24'	80.38'	4.0%	22'	59'	71+24.66	73+31.90
PRFH-2	77+97.38	24° 25' 03" (LT)	4° 04' 20"	1,407.32'	304.50'	599.63'	32.57'	MATCH EX.	MATCH EX.	73'	74+92.88	80+92.51
PR20-1	2106+83.81	116° 55' 24" (RT)	20° 57' 05"	275.00'	448.09'	558.07'	250.74'	6.0%	-----	73'	2102+35.72	2107+93.80

PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES	
	NOTED	
	BY	
	NO.	

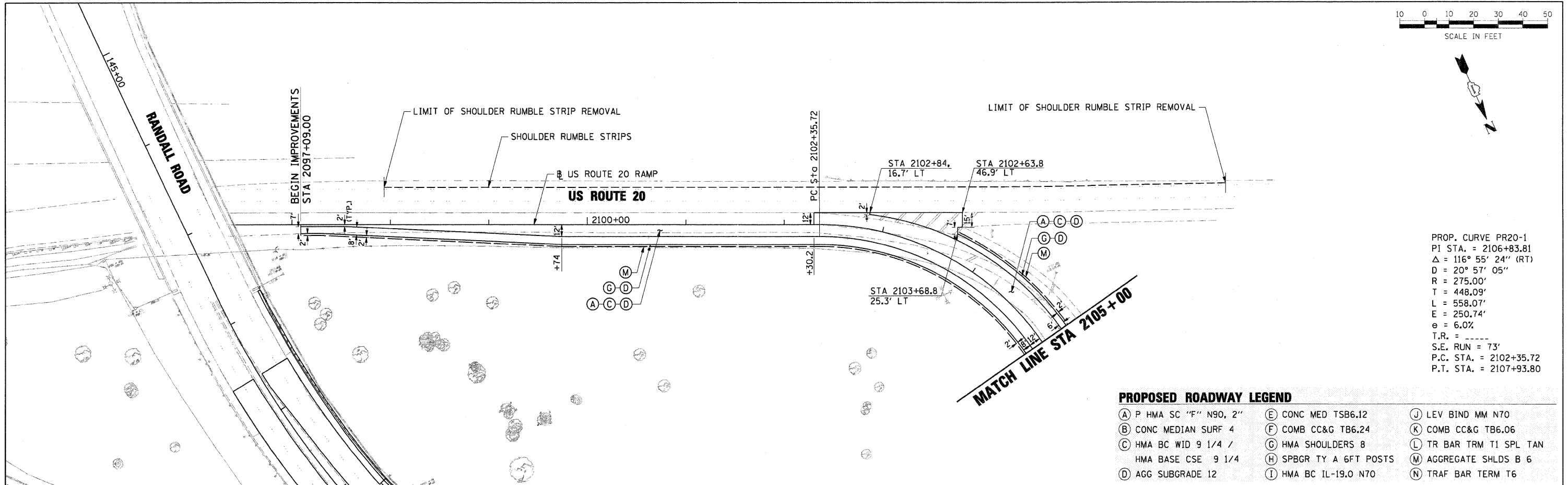


FILE NAME = D1157207-SHT-PLAN-01.DGN	USER NAME = malopez	DESIGNED - ML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) PROPOSED PLAN AND PROFILE	F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 17
PLT SCALE = *SCALE*	CHECKED - DW	REVISED -	REVISED -			CONTRACT NO. 63623				
PLT DATE = 10/24/2011	DATE - 04-04-11	REVISED -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
SCALE: 50'-1'		SHEET NO. 1 OF 4 SHEETS				STA. TO STA.				



PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	ALIGNED		
	CHECKED		
	RT. OF WAY CHECKED		
	CADD FILE NAME		

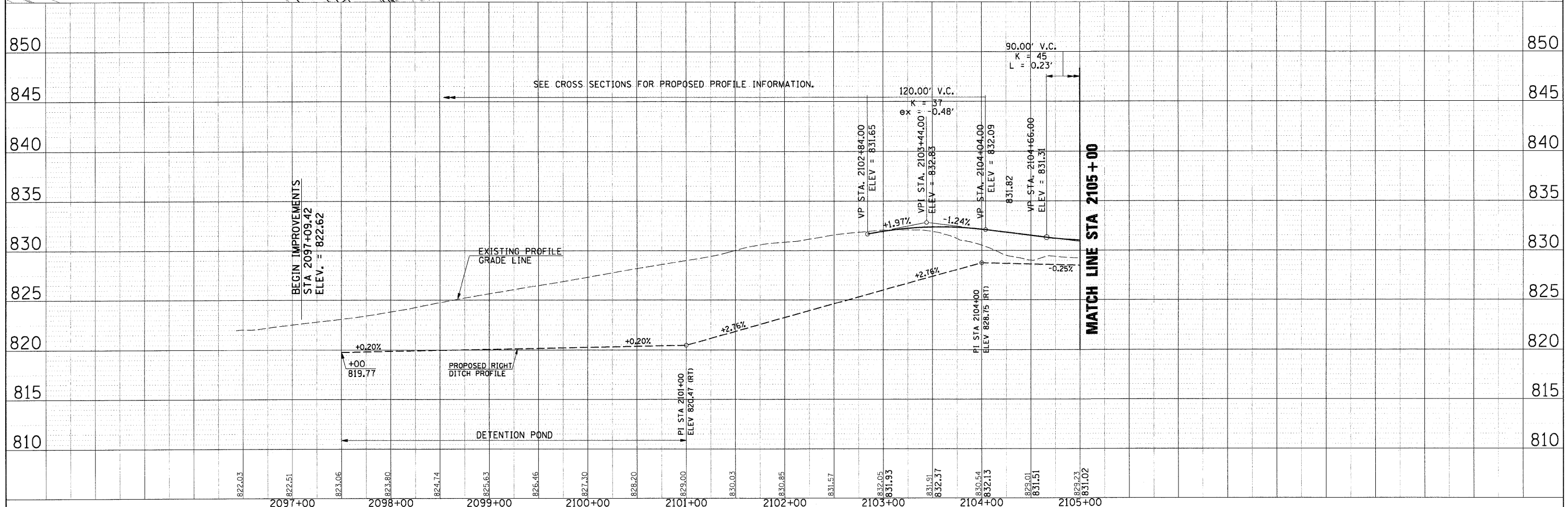
PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PROFILE		
	CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATIONS CIP/D		



PROP. CURVE PR20-1
 PI STA. = 2106+83.81
 Δ = 116° 55' 24" (RT)
 D = 20° 57' 05"
 R = 275.00'
 T = 448.09'
 L = 558.07'
 E = 250.74'
 e = 6.0%
 T.R. = _____
 S.E. RUN = 73'
 P.C. STA. = 2102+35.72
 P.T. STA. = 2107+93.80

PROPOSED ROADWAY LEGEND

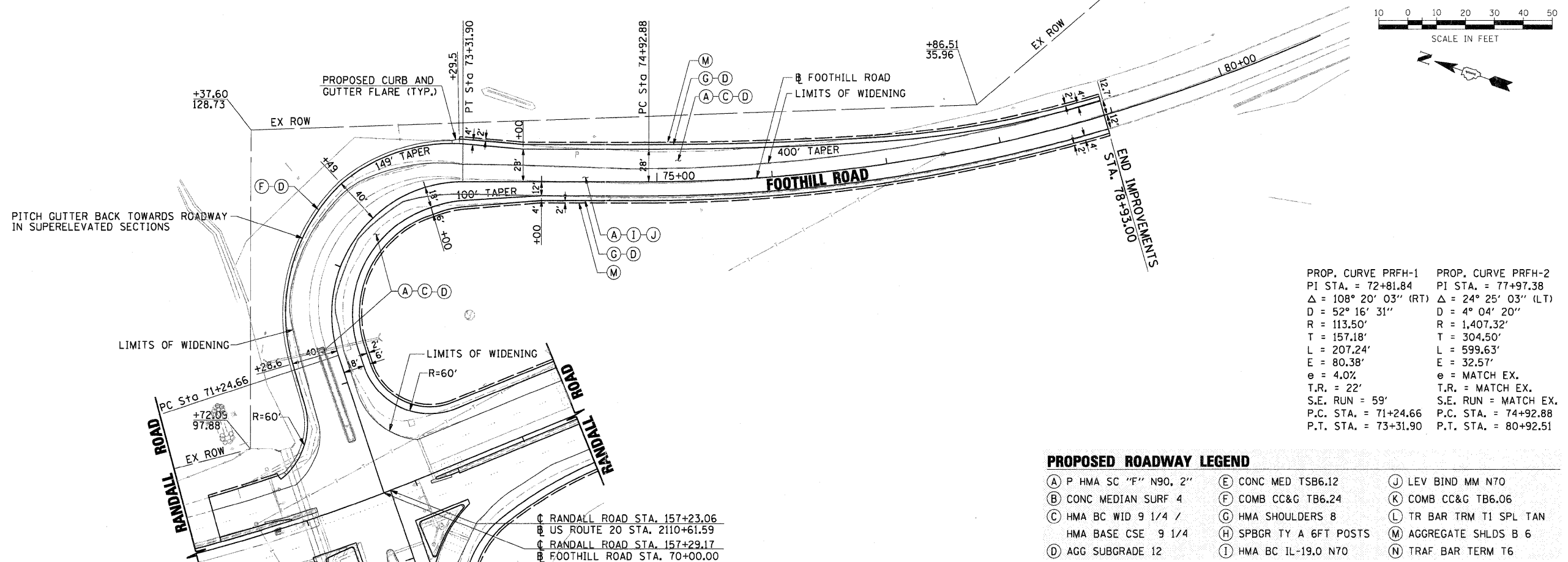
- | | | |
|--------------------------|--------------------------|---------------------------|
| (A) P HMA SC "F" N90, 2" | (E) CONC MED TSB6.12 | (J) LEV BIND MM N70 |
| (B) CONC MEDIAN SURF 4 | (F) COMB CC&G TB6.24 | (K) COMB CC&G TB6.06 |
| (C) HMA BC WID 9 1/4 / | (G) HMA SHOULDERS 8 | (L) TR BAR TRM T1 SPL TAN |
| (D) HMA BASE CSE 9 1/4 | (H) SPBGR TY A 6FT POSTS | (M) AGGREGATE SHLDS B 6 |
| (I) AGG SUBGRADE 12 | (N) HMA BC IL-19.0 N70 | (O) TRAF BAR TERM T6 |



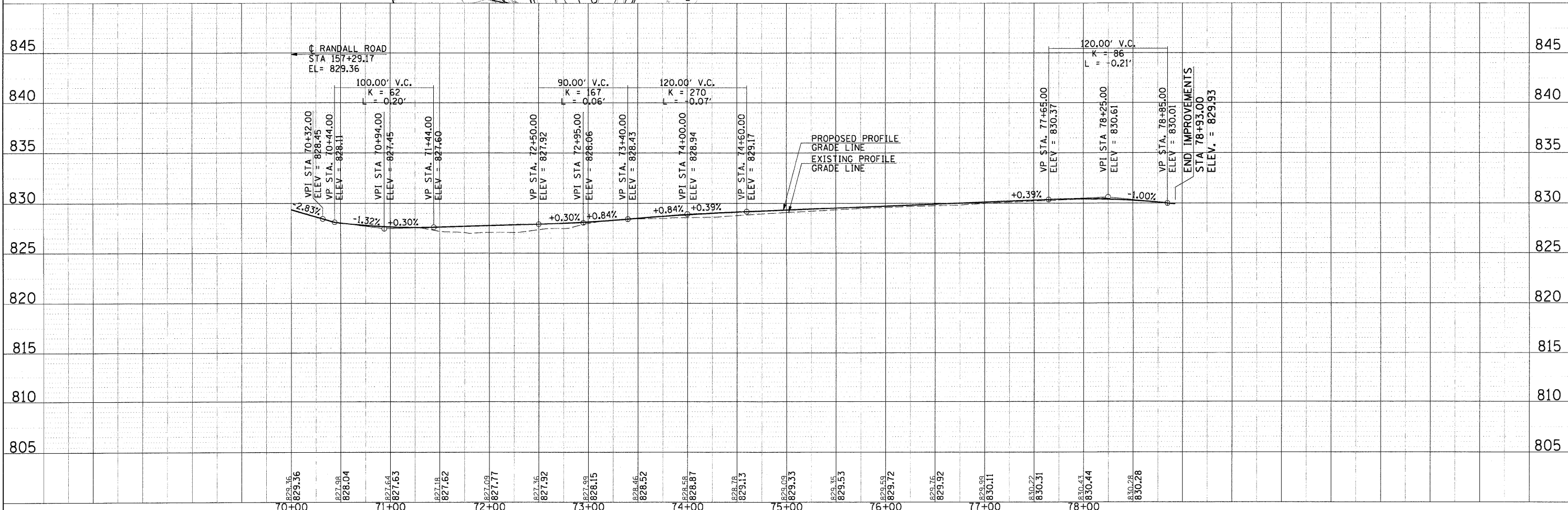
FILE NAME = 01157207-SHT-PLAN-02.DGN	USER NAME = dkong	DESIGNED - ML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) PROPOSED PLAN AND PROFILE		F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 18	
PLOT SCALE = *SCALE*	CHECKED - DW	REVISED -	REVISED -		SCALE: 50'=1'	SHEET NO. 2 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 63623				
PLOT DATE = 10/25/2011	DATE - 04-04-11	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

PLAN	REVISED	DATE
NOTE BOOK	ALIGNED	
NO.	CADD FILE NAME	

PROFILE	REVISED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	B.M. NOTED	
	STRUCTURE NOTATIONS CHECKED	



PROP. CURVE PRFH-1 PI STA. = 72+81.84 Δ = 108° 20' 03" (RT) R = 113.50' T = 157.18' L = 207.24' E = 80.38' e = 4.0% T.R. = 22' S.E. RUN = 59' P.C. STA. = 71+24.66 P.T. STA. = 73+31.90	PROP. CURVE PRFH-2 PI STA. = 77+97.38 Δ = 24° 25' 03" (LT) R = 1,407.32' T = 304.50' L = 599.63' E = 32.57' e = MATCH EX. T.R. = MATCH EX. S.E. RUN = MATCH EX. P.C. STA. = 74+92.88 P.T. STA. = 80+92.51
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FILE NAME = D:\157227-SHT-PLAN-04.DGN	USER NAME = mlopez	DESIGNED - ML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) PROPOSED PLAN AND PROFILE			F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 20
PLOT SCALE = #SCALE#	CHECKED - DW	REVISED -	REVISED -		SCALE: 50'-1'	SHEET NO. 4 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 63623				
PLOT DATE = 18/24/2011	DATE - 04-04-11	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

MAINTENANCE OF TRAFFIC GENERAL NOTES

TRAFFIC CONTROL GENERAL NOTES

- 1 THE SUGGESTED MAINTENANCE OF TRAFFIC CONTROL DEPICTED HERE IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE IDOT HIGHWAY STANDARDS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MOST CURRENT VERSION), THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE COST OF THE LUMP SUM PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)" UNLESS OTHERWISE INDICATED IN THE PLAN OR SPECIAL PROVISIONS.
- 2 ALL CONSTRUCTION SIGNS, BARRICADES AND OTHER DEVICES REQUIRED TO CONTROL TRAFFIC SHALL BE FURNISHED, INSTALLED, MAINTAINED AND REMOVED BY THE CONTRACTOR. DEVICES MUST BE IN A NEW OR LIKE NEW CONDITION. WHEN THE DEVICES BECOME WORN/DIRTY/FADED, THEY MUST BE REFURBISHED, CLEANED OR REPLACED.
- 3 ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, THE POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 4 SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS AS REQUIRED BY IDOT HIGHWAY STANDARDS, THE MUTCD AND AS DIRECTED BY THE ENGINEER. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION MUST HAVE A MONO-DIRECTIONAL FLASHING BEACON ATTACHED TO THEM.
- 5 THE RESIDENT ENGINEER SHALL NOTIFY THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY CONTROL DEVICES.
- 6 THE CONTRACTOR SHALL INSTALL AND MAINTAIN PROPOSED AND TEMPORARY DRAINAGE SYSTEMS, AND EROSION CONTROL THROUGHOUT STAGE CONSTRUCTION DURING THE DURATION OF THE PROJECT.
- 7 THE CONTRACTOR SHALL USE TEMPORARY PAVEMENT MARKINGS ON SURFACES TO BE REMOVED AND IN AREAS THAT DO NOT CONFLICT WITH OTHER STAGES.
- 8 THE CONTRACTOR SHALL USE WET REFLECTIVE TEMPORARY TAPE, TYPE III, ON EXISTING SURFACES TO REMAIN, AREAS IN CONFLICT WITH OTHER STAGES, AND PERMANENT SURFACES. THIS WORK SHALL BE PAID FOR AS TEMPORARY PAVEMENT MARKING OF THE WIDTH SPECIFIED.
- 9 4 INCH SOLID WHITE PAVEMENT MARKING LINES SHALL BE USED TO DEFINE EDGE LINE WHERE CURB AND GUTTER DOES NOT EXIST.
- 10 4 INCH SOLID DOUBLE YELLOW PAVEMENT MARKING LINES ARE TO BE USED TO SEPARATE OPPOSING TRAFFIC LANES.
- 11 ALL DOUBLE YELLOW CENTERLINE MARKING LINES SHALL BE SPACED AT 11 INCHES CENTER TO CENTER.
- 12 24 INCH SOLID WHITE PAVEMENT MARKING LINES ARE TO BE USED FOR STOP BARS.
- 13 ALL TYPE II BARRICADES, DRUMS, AND VERTICAL BARRICADES SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS.
- 14 ALL TYPE II BARRICADES, VERTICAL PANELS, AND DRUMS SHALL BE SPACED AT MAXIMUM 50 FEET CENTER TO CENTER THROUGHOUT THE WORK ZONE, EXCEPT IN TAPER AREAS, GORE AREAS, AND ALONG CORNER RADII, WHERE THEY SHALL BE SPACED AT MAXIMUM 25 FEET CENTER TO CENTER.
- 15 ALL CONSTRUCTION WARNING SIGNS SHALL BE BLACK LEGEND ON ORANGE BACKGROUND.
- 16 ALL "ROAD CONSTRUCTION AHEAD" WARNING SIGNS W20-1103(0)-48 SHALL BE EQUIPPED WITH HIGH INTENSITY FLASHING LIGHTS.
- 17 EXISTING TRAFFIC SIGNS IN CONFLICT WITH STAGING SHALL BE REMOVED, RELOCATED OR COVERED AS DIRECTED BY THE ENGINEER.
- 18 DIRECTION INDICATOR BARRICADES SHALL BE USED AT TAPER LOCATIONS AS DIRECTED BY THE ENGINEER.
- 19 TYPE III BARRICADES SHALL HAVE TWO AMBER TYPE 'A' LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- 20 CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES AT ANY TIME.
- 21 AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL BACKFILL OR COVER ALL OPEN TRENCHES AND EXCAVATION HOLES IN ACCORDANCE WITH IDOT SAFETY ENGINEERING POLICY MEMORANDUM "SAFETY 4-08" IN ORDER TO PROVIDE A SAFE CONDITION FOR MOTORISTS AND THE PUBLIC DURING NON-WORKING HOURS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 22 CONTRACTORS ATTENTION IS DIRECTED TOWARDS IDOT SAFETY ENGINEERING POLICY MEMORANDUM "SAFETY 4-08". THE CONTRACTOR SHALL PROVIDE THE NEEDED CLEARANCE OR BACKFILL TO ALL DROPOFFS OR OTHER METHODS APPROVED BY THE ENGINEER TO MEET POLICY REQUIREMENTS IN AREAS WHERE TEMPORARY TRAFFIC BARRIER IS NOT PROPOSED BUT WOULD OTHERWISE BE REQUIRED IN ORDER TO PROVIDE A SAFE CONDITION FOR MOTORISTS AND THE PUBLIC. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 23 PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE LOCATED ON EACH APPROACH LEG TO THE RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) INTERSECTION THROUGHOUT THE DURATION OF THE PROJECT. THE EXACT LOCATION AND MESSAGE SHALL BE APPROVED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR CHANGEABLE MESSAGE SIGN.
- 24 SEE THE SPECIAL PROVISIONS UNDER "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)" FOR WORK RESTRICTIONS.
- 25 SEE THE SPECIAL PROVISIONS UNDER "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)" FOR REQUIREMENTS FOR REMOVAL OF SIGN PANELS, POSTS, FOUNDATIONS AND RELATED APPURTENANCES.
- 26 ROUGH GROOVED SURFACE (RGS) AND FRESH OIL SIGNS ARE REQUIRED WHEN APPLICABLE.
- 27 ROAD CONSTRUCTION AHEAD (RCA) SIGNS ARE REQUIRED ON ALL SIDE STREETS APPROACHING THE WORK ZONE AND SHOULD BE COMPLEMENTED WITH THE APPROPRIATE DIRECTIONAL ARROW. ADVANCED WARNING SIGNS ARE REQUIRED TO BE INSTALLED ON BROOKSIDE DRIVE DURING CONSTRUCTION.
- 28 CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCES AT LOCATIONS AGREED UPON WITH THE ENGINEER. STABILIZED CONSTRUCTION ENTRANCES WILL BE PAID FOR AS SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE.

- 29 QUANTITY FOR TEMPORARY CONCRETE BARRIER HAS BEEN PROVIDED ON FOOTHILL ROAD FOR USE AS DIRECTED BY THE ENGINEER.
 - 30 THE CONTRACTOR IS RESPONSIBLE FOR STAGING CONSTRUCTION OPERATIONS IN A SEQUENCE SUCH THAT FURNISHED EXCAVATION WILL NOT BE REQUIRED OR PAID FOR. SHOULD THE CONTRACTOR PROVIDE FURNISHED EXCAVATION, NO COMPENSATION WILL BE ALLOWED.
- SUGGESTED STAGING SEQUENCE**
- PRE-STAGE CONSTRUCTION:**
- 1 CONSTRUCT TEMPORARY PAVEMENT.
 - 2 EXCAVATION FOR DETENTION AREA CAN BEGIN
 - 3 INSTALL TEMPORARY SIGNALS
 - 4 DO NOT CONSTRUCT HMA SURFACE COURSE.
- TRAFFIC:**
- 1 INTERSECTION WILL OPERATE AS A SIGNAL CONTROLLED INTERSECTION.
 - 2 UTILIZE TRAFFIC CONTROL STANDARDS LISTED IN SPECIAL PROVISIONS, THE MUTCD AND AS DIRECTED BY THE ENGINEER.
- STAGE 1 CONSTRUCTION:**
- 1 CONSTRUCTION ACTIVITIES ON US ROUTE 20, RANDALL ROAD AND FOOTHILL ROAD FOR PAVEMENT WIDENING AND RECONSTRUCTION.
 - 2 CONSTRUCT DETENTION AREA IN THIS STAGE.
 - 3 INSTALL PROPOSED TRAFFIC SIGNALS AT WORK ZONE PROVIDED AREAS. MODIFY TEMPORARY SIGNALS.
 - 4 INSTALL GUARDRAIL
 - 5 EXTEND DRAINAGE PIPES AT WORK ZONE PROVIDED AREAS.
 - 6 DO NOT CONSTRUCT HMA SURFACE COURSE.
- TRAFFIC:**
- 1 INTERSECTION WILL OPERATE AS A SIGNAL CONTROLLED INTERSECTION.
 - 2 TRAFFIC SHIFTED, LANE WIDTHS REDUCED, SPEED LIMIT REDUCED 10 MPH ON RANDALL ROAD
- STAGE 1A CONSTRUCTION:**
- 1 CONSTRUCTION ACTIVITIES ON FOOTHILL ROAD FOR PAVEMENT WIDENING AND RECONSTRUCTION
 - 2 INSTALL PROPOSED TRAFFIC SIGNALS AT WORK ZONE PROVIDED AREAS. MODIFY/REMOVE TEMPORARY SIGNALS.
 - 3 EXTEND DRAINAGE PIPES AT WORK ZONE PROVIDED AREAS.
 - 4 DO NOT CONSTRUCT HMA SURFACE COURSE.
- TRAFFIC:**
- 1 INTERSECTION WILL OPERATE AS A SIGNAL CONTROLLED INTERSECTION.
 - 2 TRAFFIC SHIFTED, LANE WIDTHS REDUCED, SPEED LIMIT REDUCED 10 MPH ON RANDALL ROAD
- STAGE 2 CONSTRUCTION:**
- 1 CONSTRUCTION ACTIVITIES ON US ROUTE 20 FOR PAVEMENT WIDENING AND RECONSTRUCTION
 - 2 CONSTRUCT MEDIAN ISLANDS
 - 3 MODIFY/REMOVE TEMPORARY SIGNALS AS NEEDED.
 - 4 DO NOT CONSTRUCT HMA SURFACE COURSE.
- TRAFFIC:**
- 1 INTERSECTION WILL OPERATE AS A SIGNAL CONTROLLED INTERSECTION.
 - 2 TRAFFIC SHIFTED, LANE WIDTHS REDUCED, SPEED LIMIT REDUCED 10 MPH ON RANDALL ROAD
- STAGE 3 CONSTRUCTION:**
- 1 CONSTRUCT ISLANDS ON WEST LEG OF INTERSECTION
 - 2 INSTALL PROPOSED TRAFFIC SIGNALS AT WORK ZONE PROVIDED AREAS. REMOVE TEMPORARY SIGNALS.
 - 3 MILL EXISTING HMA PAVEMENT AS NEEDED FOR OVERLAY.
 - 4 PLACE HMA SURFACE COURSE.
 - 5 COMPLETE FINAL PAVEMENT MARKINGS.
- TRAFFIC:**
- 1 INTERSECTION WILL OPERATE AS A SIGNAL CONTROLLED INTERSECTION.
 - 2 CLOSE LEFT HAND TURN LANE ADJACENT TO THE MEDIAN OF THE WEST LEG OF THE INTERSECTION TO ACCOMMODATE TRUCK TURNING MOVEMENTS
 - 3 ADDITIONAL BARRICADES, SIGNING AND TRAFFIC CONTROL DEVICES WILL BE NEEDED TO FACILITATE INTERSECTION OPERATIONS.
 - 4 UTILIZE TRAFFIC CONTROL STANDARDS LISTED IN SPECIAL PROVISIONS, THE MUTCD AND AS DIRECTED BY THE ENGINEER.

-DENOTES ITEMS AND WORK, NOT PAID FOR SEPARATELY.

PLAN	DATE
NO. _____	_____
BY _____	_____
REVISIONS	DATE
ADDED	_____
DELETED	_____
CHANGED	_____
NOTED	_____
FILE NAME	_____

PROFILE	DATE
NO. _____	_____
BY _____	_____
REVISIONS	DATE
ADDED	_____
DELETED	_____
CHANGED	_____
NOTED	_____
FILE NAME	_____

FILE NAME = D1157287-SHT-MOT-02.DGN

USER NAME = dwang

DESIGNED - DW

REVISED -

DRAWN - DW

REVISED -

PLOT SCALE = 1/8"=1'-0"

PLOT DATE = 10/25/2011

DATE - 05-06-2011

CHECKED - JC

REVISED -

REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

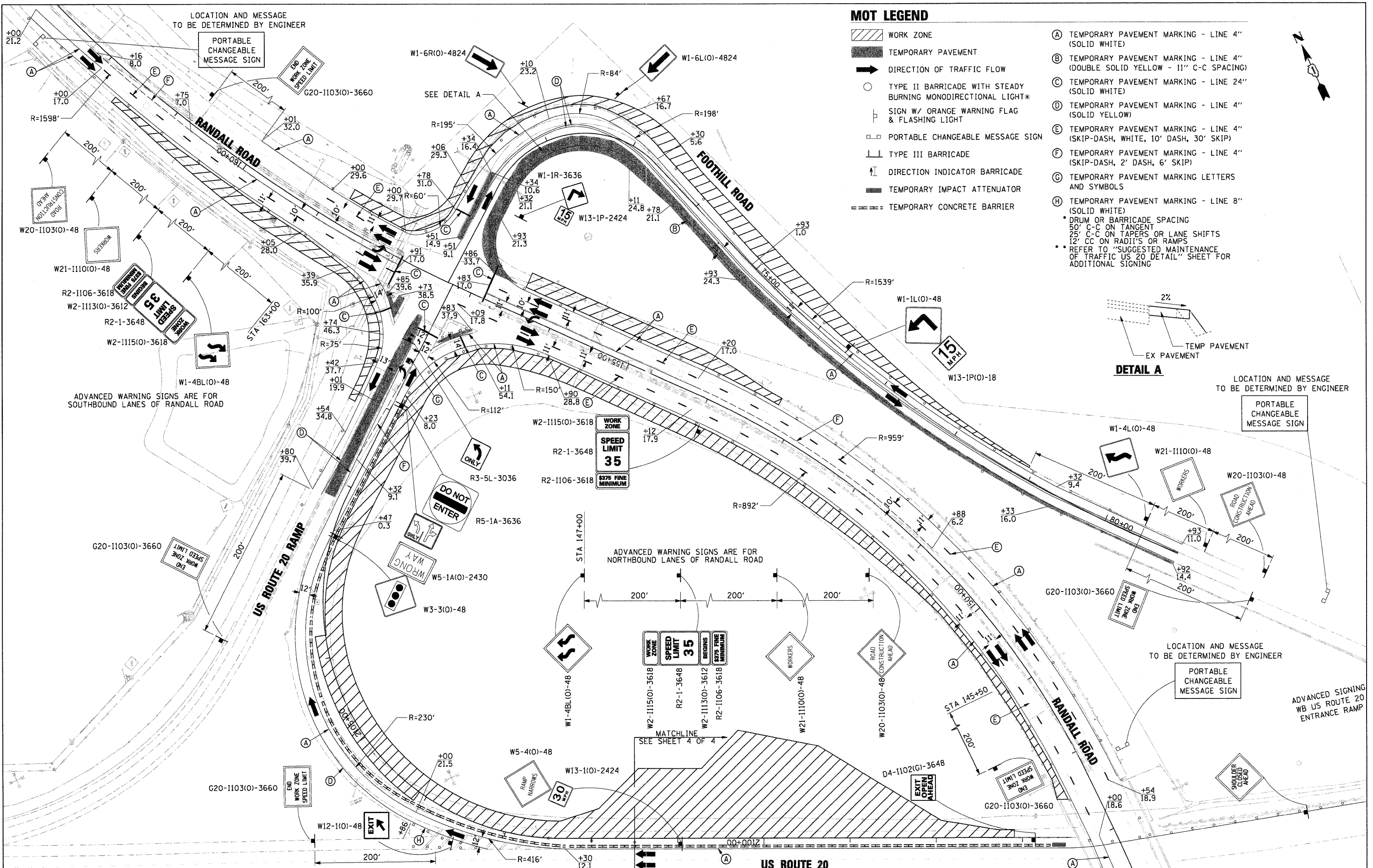
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
SUGGESTED MOT GENERAL NOTES**

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	21
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63623	

DATE	
BY	
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DESIGN	
CONSTRUCTION	
OPERATION	
MAINTENANCE	

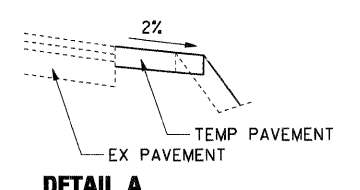
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DATE	
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PLANNING	
DESIGN	
CONSTRUCTION	
OPERATION	
MAINTENANCE	



MOT LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC FLOW
- TYPE II BARRICADE WITH STEADY BURNING MONODIRECTIONAL LIGHT*
- SIGN W/ ORANGE WARNING FLAG & FLASHING LIGHT
- PORTABLE CHANGEABLE MESSAGE SIGN
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER

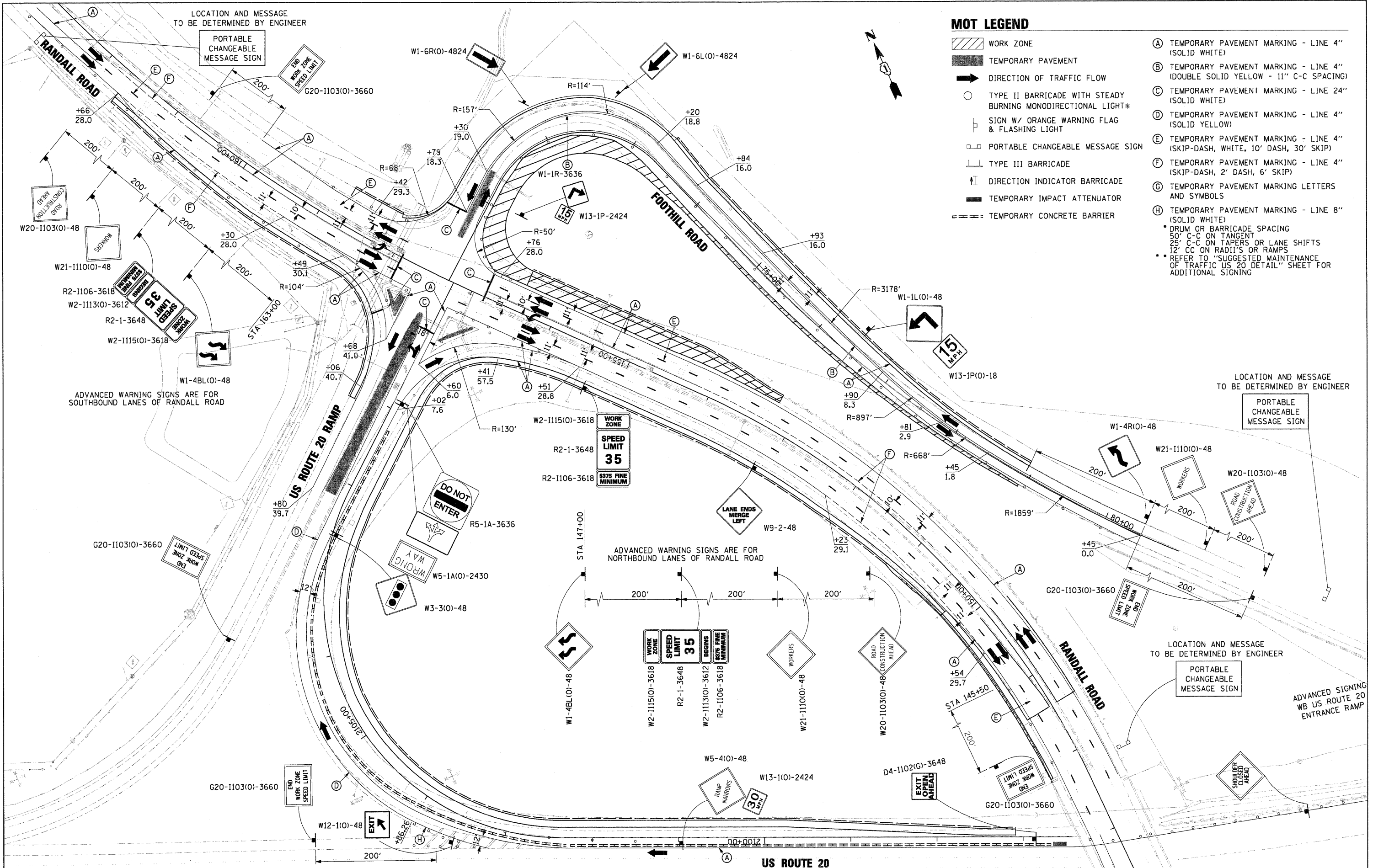
- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
 - (B) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE SOLID YELLOW - 11" C-C SPACING)
 - (C) TEMPORARY PAVEMENT MARKING - LINE 24" (SOLID WHITE)
 - (D) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
 - (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP)
 - (F) TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP-DASH, 2' DASH, 6' SKIP)
 - (G) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
 - (H) TEMPORARY PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- * DRUM OR BARRICADE SPACING
 50' C-C ON TANGENT
 25' C-C ON TAPERS OR LANE SHIFTS
 12' CC ON RADII'S OR RAMP
 ** REFER TO "SUGGESTED MAINTENANCE OF TRAFFIC US 20 DETAIL" SHEET FOR ADDITIONAL SIGNING



FILE NAME = D1157207-SHT-MOT-01.DGN	USER NAME = malopez	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1 PLANS	F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 22		
PLOT SCALE = *SCALE*	CHECKED - JC	REVISED -	REVISED -			SCALE: 50'=1'	SHEET NO. 1 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 63623			
PLOT DATE = 10/24/2011	DATE - 04-29-11	REVISED -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

DATE	
BY	
APPROVED	
ALIGNED	
CHECKED	
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
PLANNING	
NOTE BOOK	
NO.	

DATE	
BY	
APPROVED	
ALIGNED	
CHECKED	
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
PLANNING	
NOTE BOOK	
NO.	



MOT LEGEND

- WORK ZONE
 - TEMPORARY PAVEMENT
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADE WITH STEADY BURNING MONODIRECTIONAL LIGHT*
 - SIGN W/ ORANGE WARNING FLAG & FLASHING LIGHT
 - PORTABLE CHANGEABLE MESSAGE SIGN
 - TYPE III BARRICADE
 - DIRECTION INDICATOR BARRICADE
 - TEMPORARY IMPACT ATTENUATOR
 - TEMPORARY CONCRETE BARRIER
- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
 - (B) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE SOLID YELLOW - 11" C-C SPACING)
 - (C) TEMPORARY PAVEMENT MARKING - LINE 24" (SOLID WHITE)
 - (D) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
 - (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP)
 - (F) TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP-DASH, 2' DASH, 6' SKIP)
 - (G) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
 - (H) TEMPORARY PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- * DRUM OR BARRICADE SPACING
 50' C-C ON TANGENT
 25' C-C ON TAPERS OR LANE SHIFTS
 12' C-C ON RADII'S OR RAMP
 ** REFER TO "SUGGESTED MAINTENANCE OF TRAFFIC US 20 DETAIL" SHEET FOR ADDITIONAL SIGNING

ADVANCED WARNING SIGNS ARE FOR SOUTHBOUND LANES OF RANDALL ROAD

ADVANCED WARNING SIGNS ARE FOR NORTHBOUND LANES OF RANDALL ROAD

LOCATION AND MESSAGE TO BE DETERMINED BY ENGINEER

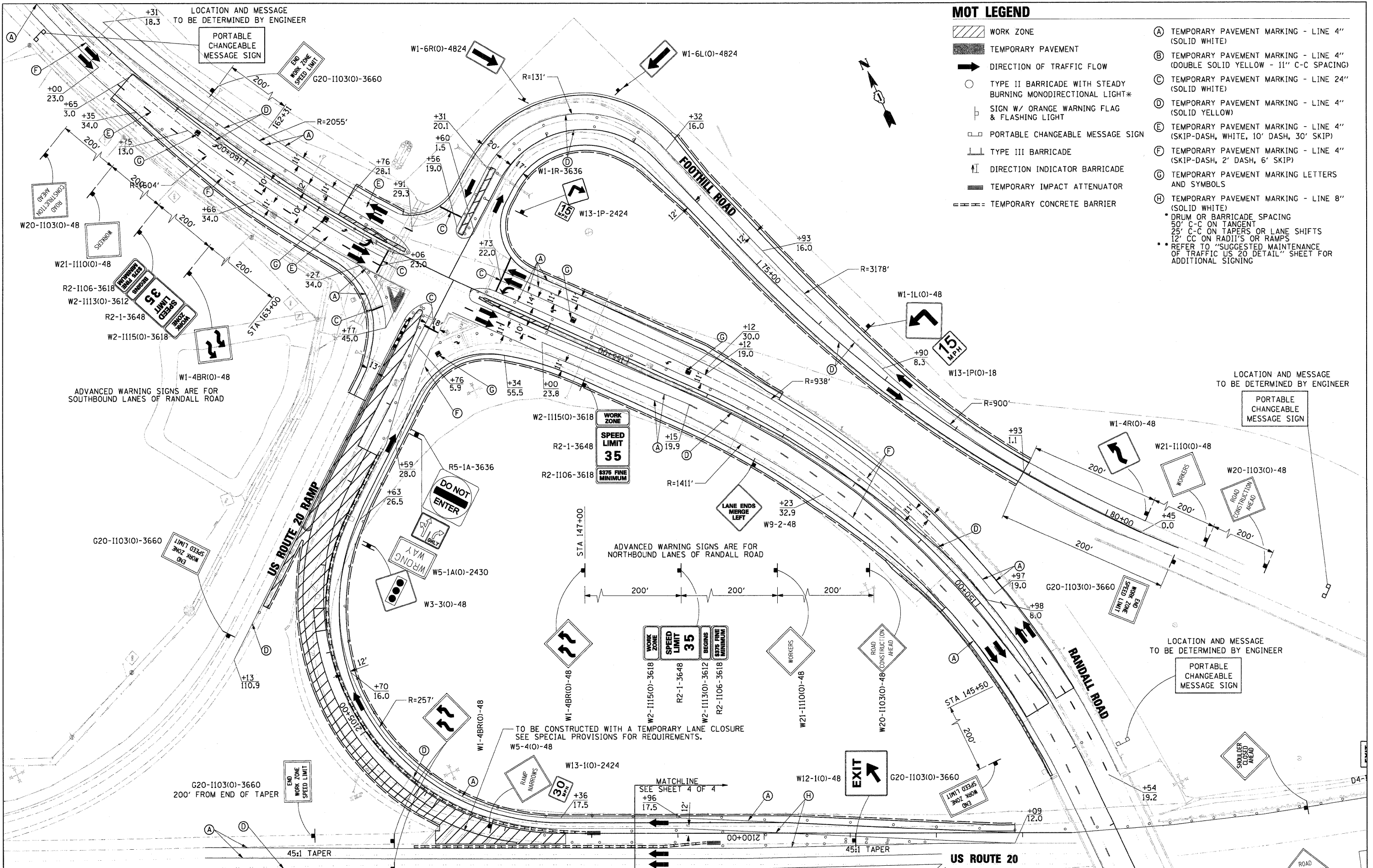
LOCATION AND MESSAGE TO BE DETERMINED BY ENGINEER

ADVANCED SIGNING WB US ROUTE 20 ENTRANCE RAMP

FILE NAME = D1157287-SHT-MOT-01A.DGN	USER NAME = molopez	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) SUGGESTED MAINTENANCE OF TRAFFIC STAGE 1A PLANS			F.A.P. R.T.E. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 23
PLOT SCALE = 1/8"=1'-0"	CHECKED - JC	REVISOR -	REVISOR -		SCALE: 50'-1'	SHEET NO. 2 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 63623				
PLOT DATE = 10/24/2011	DATE - 04-29-11	REVISOR -	REVISOR -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

DATE	
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NO.	
DESCRIPTION	



MOT LEGEND

- WORK ZONE
 - TEMPORARY PAVEMENT
 - DIRECTION OF TRAFFIC FLOW
 - TYPE II BARRICADE WITH STEADY BURNING MONODIRECTIONAL LIGHT*
 - SIGN W/ ORANGE WARNING FLAG & FLASHING LIGHT
 - PORTABLE CHANGEABLE MESSAGE SIGN
 - TYPE III BARRICADE
 - DIRECTION INDICATOR BARRICADE
 - TEMPORARY IMPACT ATTENUATOR
 - TEMPORARY CONCRETE BARRIER
- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
 - (B) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE SOLID YELLOW - 11" C-C SPACING)
 - (C) TEMPORARY PAVEMENT MARKING - LINE 24" (SOLID WHITE)
 - (D) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
 - (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP)
 - (F) TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP-DASH, 2' DASH, 6' SKIP)
 - (G) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
 - (H) TEMPORARY PAVEMENT MARKING - LINE 8" (SOLID WHITE)
- * DRUM OR BARRICADE SPACING
50' C-C ON TANGENT
25' C-C ON TAPERS OR LANE SHIFTS
12' CC ON RADII'S OR RAMP
 - * REFER TO "SUGGESTED MAINTENANCE OF TRAFFIC US 20 DETAIL" SHEET FOR ADDITIONAL SIGNING

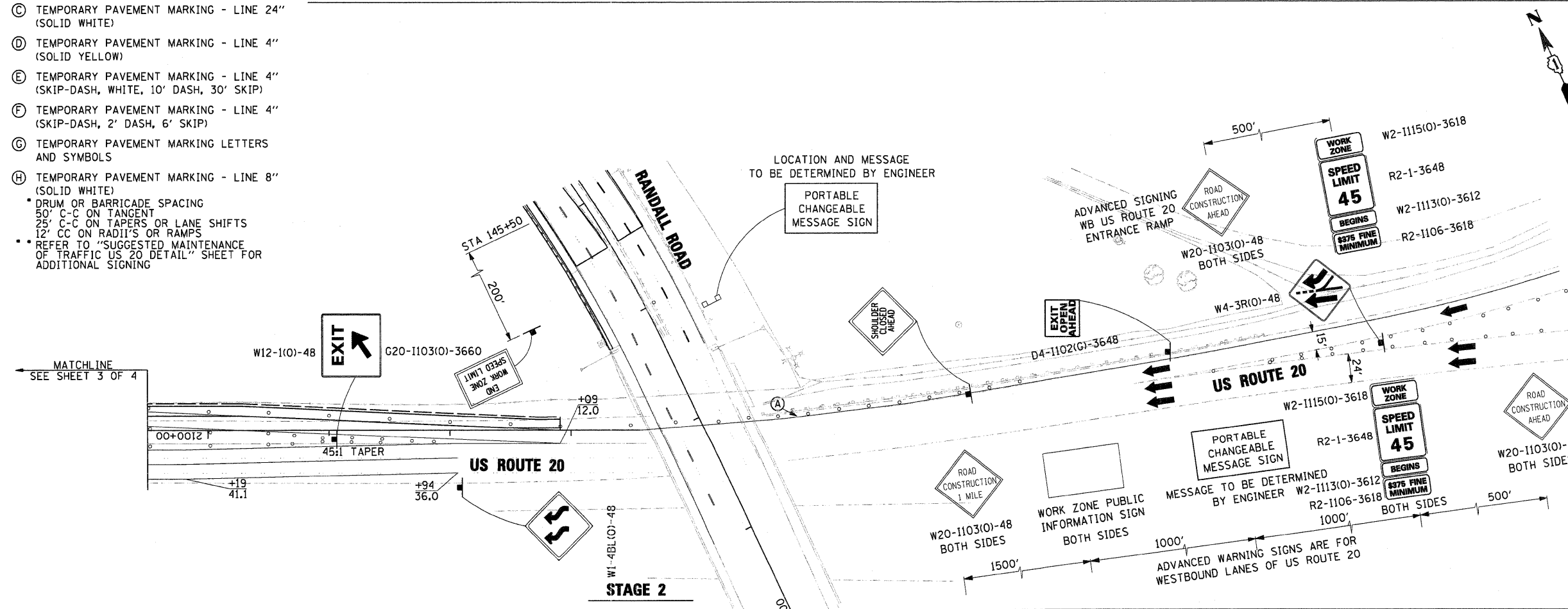
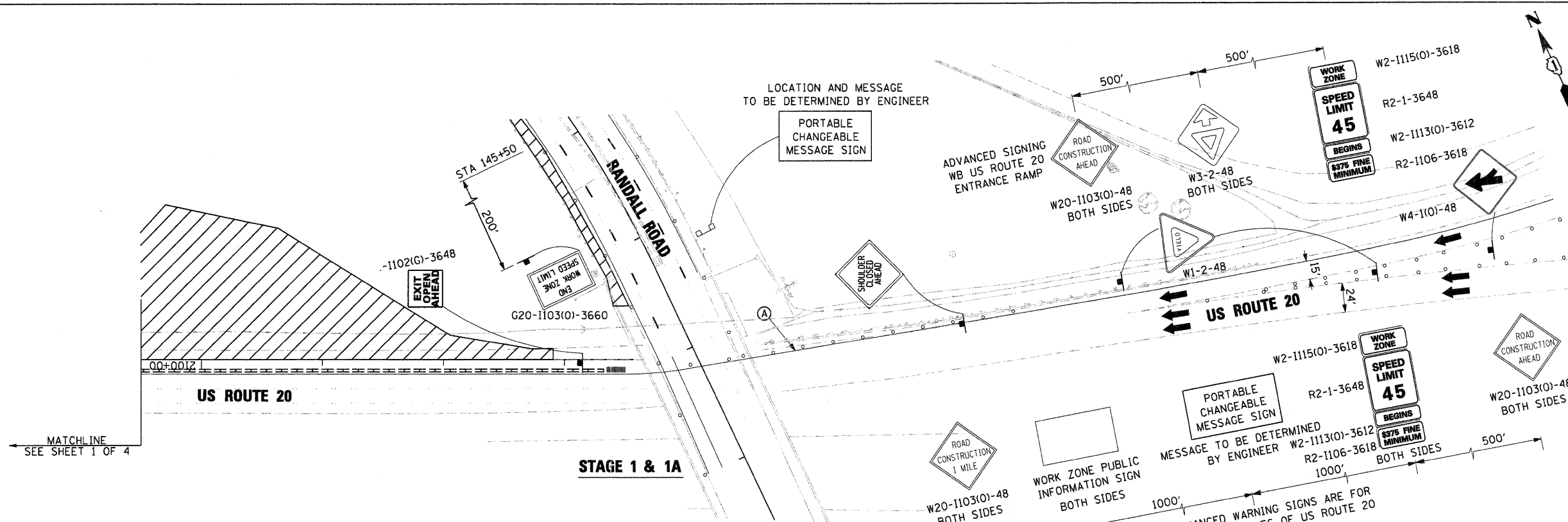
FILE NAME = D1157287-SHT-MOT-02.DGN	USER NAME = mlopez	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) SUGGESTED MAINTENANCE OF TRAFFIC STAGE 2 PLANS		F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 24	
PLLOT SCALE = 1/8"=1'-0"	CHECKED - JC	DATE - 04-29-11	REVISED -		SCALE: 50'-1"	SHEET NO. 3 OF 4 SHEETS	STA. TO STA.	CONTRACT NO. 63623				
PLLOT DATE = 10/24/2011	DATE - 04-29-11	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
PLANNED	
NO.	

DATE	
BY	
SURVEYED	
GRADES	
CHECKED	
PLANNED	
NO.	

MOT LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC FLOW
- TYPE II BARRICADE WITH STEADY BURNING MONODIRECTIONAL LIGHT*
- SIGN W/ ORANGE WARNING FLAG & FLASHING LIGHT
- PORTABLE CHANGEABLE MESSAGE SIGN
- TYPE III BARRICADE
- DIRECTION INDICATOR BARRICADE
- TEMPORARY IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (DOUBLE SOLID YELLOW - 11" C-C SPACING)
- (C) TEMPORARY PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- (D) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP-DASH, WHITE, 10' DASH, 30' SKIP)
- (F) TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP-DASH, 2' DASH, 6' SKIP)
- (G) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
- (H) TEMPORARY PAVEMENT MARKING - LINE 8" (SOLID WHITE)
 - * DRUM OR BARRICADE SPACING
 - 50' C-C ON TANGENT
 - 25' C-C ON TAPERS OR LANE SHIFTS
 - 12' CC ON RADII'S OR RAMP
 - * REFER TO "SUGGESTED MAINTENANCE OF TRAFFIC US 20 DETAIL" SHEET FOR ADDITIONAL SIGNING



FILE NAME =	01157287-SHT-M01-03.DGN
USER NAME =	melopez
DESIGNED -	DW
REVISOR -	
DRAWN -	BH
REVISOR -	
CHECKED -	JC
REVISOR -	
DATE =	04-29-11
REVISOR -	

PLLOT SCALE =	SCALE*
PLLOT DATE =	10/24/2011

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
SUGGESTED MAINTENANCE OF TRAFFIC US 20 DETAIL**

SCALE: 50'-1" SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	25
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

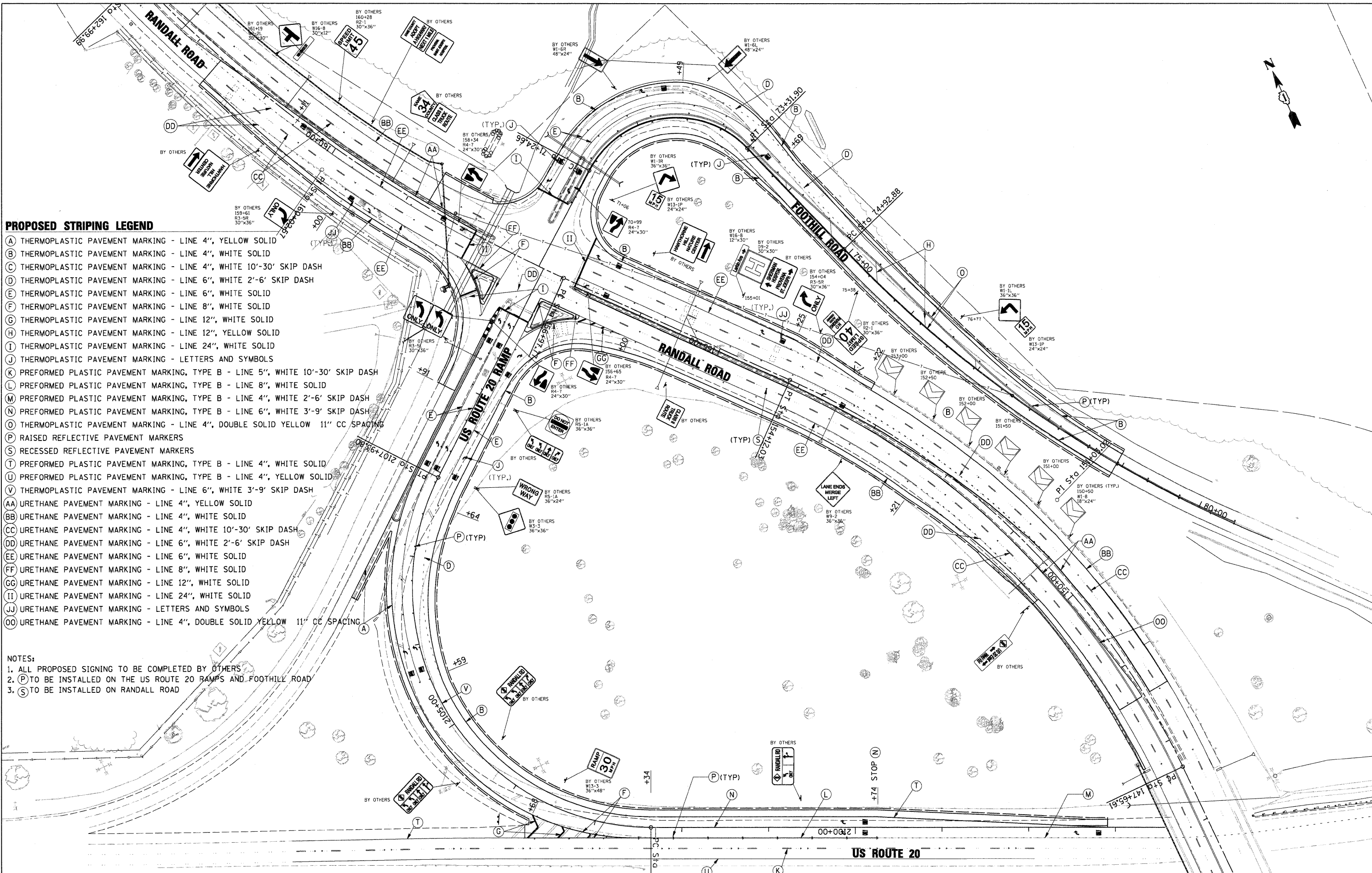
PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	BY	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES	BY
NO.	NOTED	
	STRUCTURE	
	NOTATIONS	
	CPRO	

PROPOSED STRIPING LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING - LINE 4", YELLOW SOLID
- (B) THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE SOLID
- (C) THERMOPLASTIC PAVEMENT MARKING - LINE 4", WHITE 10'-30' SKIP DASH
- (D) THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE 2'-6' SKIP DASH
- (E) THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE SOLID
- (F) THERMOPLASTIC PAVEMENT MARKING - LINE 8", WHITE SOLID
- (G) THERMOPLASTIC PAVEMENT MARKING - LINE 12", WHITE SOLID
- (H) THERMOPLASTIC PAVEMENT MARKING - LINE 12", YELLOW SOLID
- (I) THERMOPLASTIC PAVEMENT MARKING - LINE 24", WHITE SOLID
- (J) THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- (K) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 5", WHITE 10'-30' SKIP DASH
- (L) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8", WHITE SOLID
- (M) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4", WHITE 2'-6' SKIP DASH
- (N) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6", WHITE 3'-9' SKIP DASH
- (O) THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE SOLID YELLOW 11" CC SPACING
- (P) RAISED REFLECTIVE PAVEMENT MARKERS
- (S) RECESSED REFLECTIVE PAVEMENT MARKERS
- (T) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4", WHITE SOLID
- (U) PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4", YELLOW SOLID
- (V) THERMOPLASTIC PAVEMENT MARKING - LINE 6", WHITE 3'-9' SKIP DASH
- (AA) URETHANE PAVEMENT MARKING - LINE 4", YELLOW SOLID
- (BB) URETHANE PAVEMENT MARKING - LINE 4", WHITE SOLID
- (CC) URETHANE PAVEMENT MARKING - LINE 4", WHITE 10'-30' SKIP DASH
- (DD) URETHANE PAVEMENT MARKING - LINE 6", WHITE 2'-6' SKIP DASH
- (EE) URETHANE PAVEMENT MARKING - LINE 6", WHITE SOLID
- (FF) URETHANE PAVEMENT MARKING - LINE 8", WHITE SOLID
- (GG) URETHANE PAVEMENT MARKING - LINE 12", WHITE SOLID
- (II) URETHANE PAVEMENT MARKING - LINE 24", WHITE SOLID
- (JJ) URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS
- (OO) URETHANE PAVEMENT MARKING - LINE 4", DOUBLE SOLID YELLOW 11" CC SPACING

- NOTES:
1. ALL PROPOSED SIGNING TO BE COMPLETED BY OTHERS
 2. (P) TO BE INSTALLED ON THE US ROUTE 20 RAMPS AND FOOTHILL ROAD
 3. (S) TO BE INSTALLED ON RANDALL ROAD



FILE NAME = D1157207-SHT-STRIP.DGN
 USER NAME = melopez
 PLOT SCALE = 1/4"=1'-0"
 PLOT DATE = 11/29/2011

DESIGNED - ML
 DRAWN - BH
 CHECKED - DW
 DATE - 04-29-11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

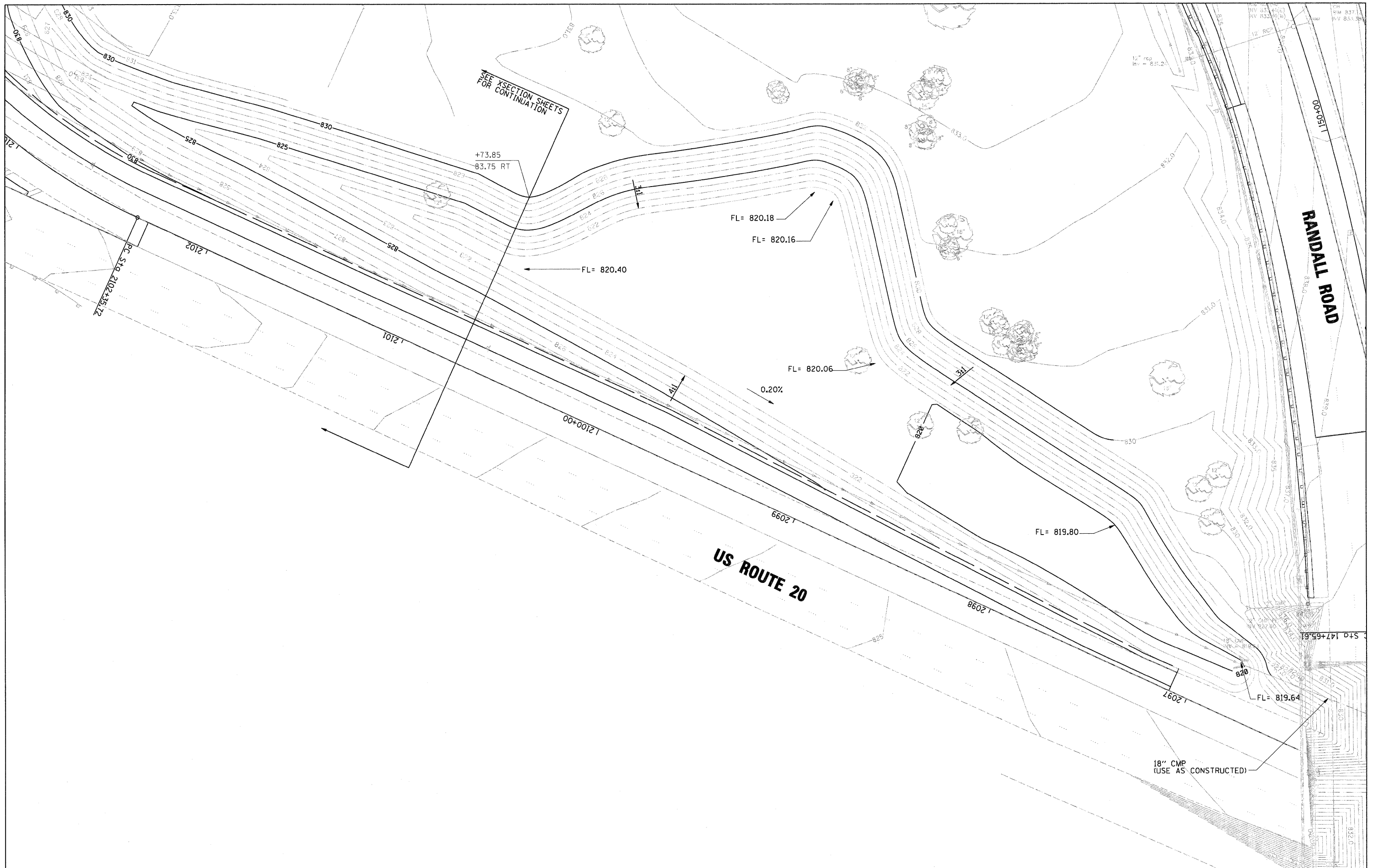
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
 PAVEMENT MARKINGS AND SIGNING PLANS**

SCALE: 50'-1" SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	28
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

PLAN	REVIEWED	DATE
NO. _____	BY _____	_____
NO. _____	PLOTTED	_____
NO. _____	ALIGNMENT CHECKED	_____
NO. _____	CADD FILE NAME	_____

PROFILE	REVIEWED	DATE
NO. _____	BY _____	_____
NO. _____	GRADES CHECKED	_____
NO. _____	B.M. NOTED	_____
NO. _____	STRUCTURE NOTATIONS CHECKED	_____



FILE NAME = 01157287-SHT-GRAD-01.DGN

USER NAME = melopez
 DESIGNED - ML
 DRAWN - BH
 CHECKED - DW
 DATE - 04-04-11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
 GRADING PLAN**

SCALE: 50'=1' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 29
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED																		
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE																					
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE																					
COMMUNICATIONS CABINET				HANDHOLE				CABLE FOR CAMERA																					
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED																					
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F																					
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F																					
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)																					
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE																					
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED																					
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED																					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED																					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED																					
SIGNAL POST				REMOVE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED																					
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR																					
GUY WIRE				ABANDON ITEM				SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				EXISTING INTERSECTION LOOP DETECTOR																					
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																					
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR																					
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																					
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																					
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED SAMPLING (SYSTEM) DETECTOR																					
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				<h2 style="margin: 0;">RAILROAD SYMBOLS</h2> <table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">EXISTING</th> <th style="width: 25%;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td>RAILROAD CONTROL CABINET</td> <td></td> <td></td> </tr> <tr> <td>RAILROAD CANTILEVER MAST ARM</td> <td></td> <td></td> </tr> <tr> <td>FLASHING SIGNAL</td> <td></td> <td></td> </tr> <tr> <td>CROSSING GATE</td> <td></td> <td></td> </tr> <tr> <td>CROSSBUCK</td> <td></td> <td></td> </tr> </tbody> </table>					EXISTING	PROPOSED	RAILROAD CONTROL CABINET			RAILROAD CANTILEVER MAST ARM			FLASHING SIGNAL			CROSSING GATE			CROSSBUCK		
	EXISTING	PROPOSED																											
RAILROAD CONTROL CABINET																													
RAILROAD CANTILEVER MAST ARM																													
FLASHING SIGNAL																													
CROSSING GATE																													
CROSSBUCK																													
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER																									
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT																									
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER																									
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED																									
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)																									
MICROWAVE VEHICLE SENSOR																													
VIDEO DETECTION CAMERA																													
VIDEO DETECTION ZONE																													
PAN, TILT, ZOOM CAMERA																													
WIRELESS DETECTOR SENSOR																													
WIRELESS ACCESS POINT																													

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

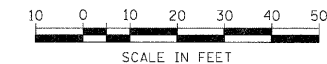
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: KANE COUNTY TRANSPORTATION DEPARTMENT

- 3 EACH LIGHT DETECTOR W/ CONF. BEACONS)
- 1 EACH LIGHT DETECTOR AMPLIFIER

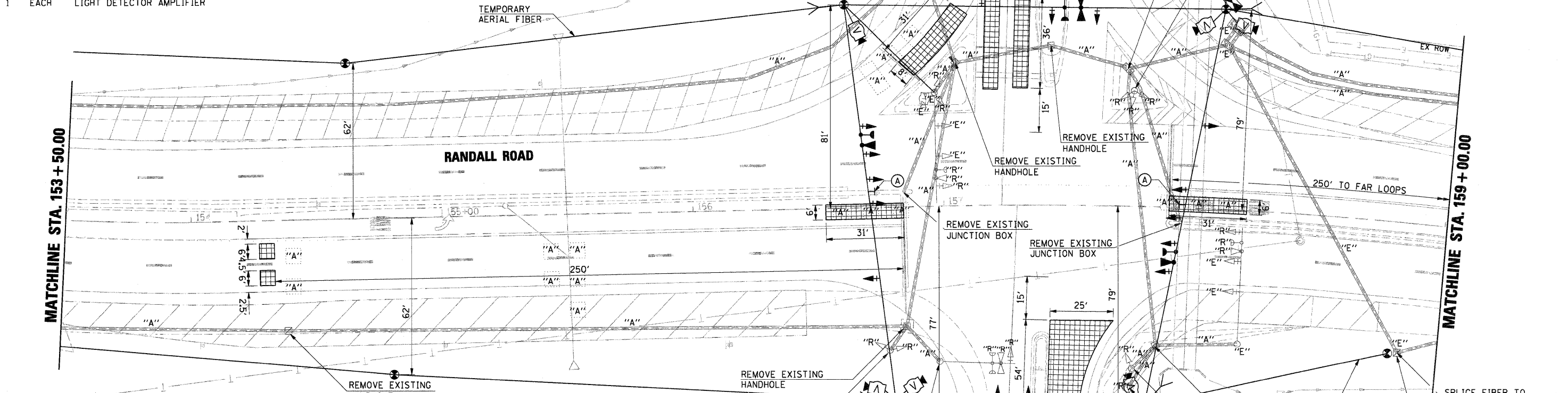
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH STEEL MAST ARM ASSEMBLY
- 3 EACH TRAFFIC SIGNAL POST
- 10 EACH SIGNAL HEAD, 1-FACE, 3 SECTION
- 3 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH TRAFFIC SIGNAL SERVICE INSTALLATION-POLE MOUNTED



MATCHLINE STA. 153 + 50.00

MATCHLINE STA. 159 + 00.00

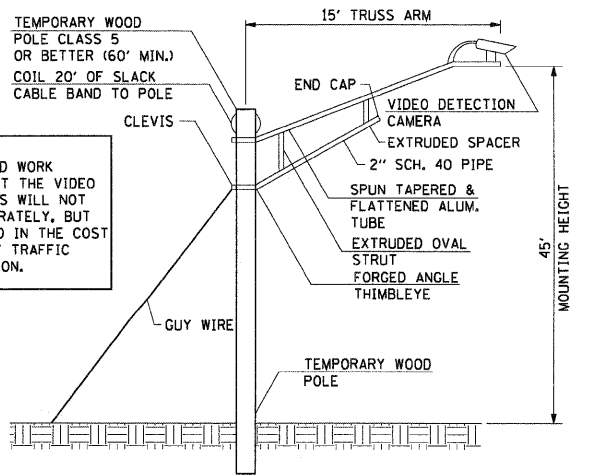
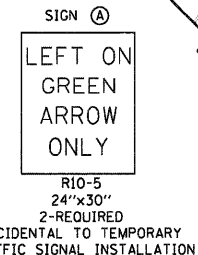


TEMPORARY TRAFFIC SIGNAL GENERAL NOTES:

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL. AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

NOTES:

1. MOVING THE FIBER OPTIC NETWORK CABLE FROM THE EXISTING CONTROLLER TO THE TEMPORARY TRAFFIC SIGNAL SHALL BE ACCOMPLISHED THE WORKING DAY PRIOR TO PLACING THE TEMPORARY TRAFFIC SIGNAL INTO SERVICE.
2. EXISTING FIBER OPTIC AND CENTRAL TRAFFIC CONTROL COMMUNICATIONS SHALL NOT BE OUT OF SERVICE FOR MORE THAN 24 HOURS. THE CONTRACTOR MUST NOTIFY TOM SZABO - (630) 208-3139 A MINIMUM OF THREE WORKINGDAYS PRIOR TO ANY INTERRUPTION INVOLVING THE CENTRALIZED TRAFFIC COMMUNICATIONS SYSTEM.
3. THE ENTIRE CENTRALIZED TRAFFIC COMMUNICATIONS SYSTEM MUST BE COMMUNICATING ON THE DAY THE TEMPORARY TRAFFIC SIGNAL IS PLACED IN SERVICE. THE TEMPORARY SIGNAL MUST INCLUDE ALL THE NECESSARY CONTROL AND COMMUNICATIONS EQUIPMENT REQUIRED BY KDOT TO MAINTAIN ALL EXISTING COMMUNICATIONS THROUGHOUT CONSTRUCTION. ALL COSTS FOR EQUIPMENT AND LABOR FOR MEETING THIS REQUIREMENT SHALL BE INCIDENTAL TO THE CONTRACT UNIT PRICE FOR "TEMPORARY TRAFFIC SIGNAL INSTALLATION". THE CONTRACTOR SHALL ARRANGE TO HAVE THE SIEMENS CERTIFIED TECHNICIAN TO CONFIGURE THE OPERATION OF THE CENTRALIZED TRAFFIC COMMUNICATIONS SYSTEM. THE CONTRACTOR SHALL SUBMIT A LIST OF CONTROLLER AND COMMUNICATIONS COMPONENTS REQUIRED BY THE LOCAL DISTRIBUTOR OF TACTICS TO MAINTAIN THE CENTRALIZED TRAFFIC COMMUNICATIONS SYSTEM. THIS LIST OF COMPONENTS ALONG WITH THE LOCAL DISTRIBUTOR'S LETTER CERTIFYING ALL EQUIPMENT TO MAINTAIN THE TACTICS SYSTEM WILL BE SUPPLIED TO THE CONTRACTOR PRIOR TO COMMENCING ANY TRAFFIC SIGNAL MODIFICATIONS.
4. THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE SIEMENS M-50 SERIES IP ACCESSIBLE VIA ETHERNET FROM THE TACTICS CENTRALIZED TRAFFIC COMMUNICATIONS SYSTEM LOCATED AT KDOT'S BURLINGTON ROAD OFFICE
5. PTZ CAMERA ON THE SOUTHWEST LEG MAST ARM SHALL BE MAINTAINED OPERATIONAL DURING THE CONSTRUCTION PHASING.
6. SOUTHBOUND AND NORTHBOUND THRU SIGNAL THAT WILL REMAIN IN THE PROPOSED CONDITION SHALL BE BAGGED DURING PHASED CONSTRUCTION WHEN TEMPORARY SIGNALS ARE OPERATIONAL. IF AT ANY TIME DURING CONSTRUCTION THESE EXISTING SIGNALS OBSTRUCT THE VIEW OF THE TEMPORARY SIGNALS, THEY SHALL BE REMOVED AND STORED AT A SECURE LOCATION AND RE-INSTALLED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.



NOTE: THE EQUIPMENT AND WORK REQUIRED TO MOUNT THE VIDEO DETECTION CAMERAS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

TEMPORARY VIDEO DETECTION CAMERA MOUNTING DETAIL

FILE NAME = D:\157207-SHT-TS01-PLAN01.DGN

USER NAME = melopez
 PLOT SCALE = \$SCALE\$
 PLOT DATE = 11/29/2011

DESIGNED - BH
 DRAWN - BH
 CHECKED - DWW
 DATE - 05-09-2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

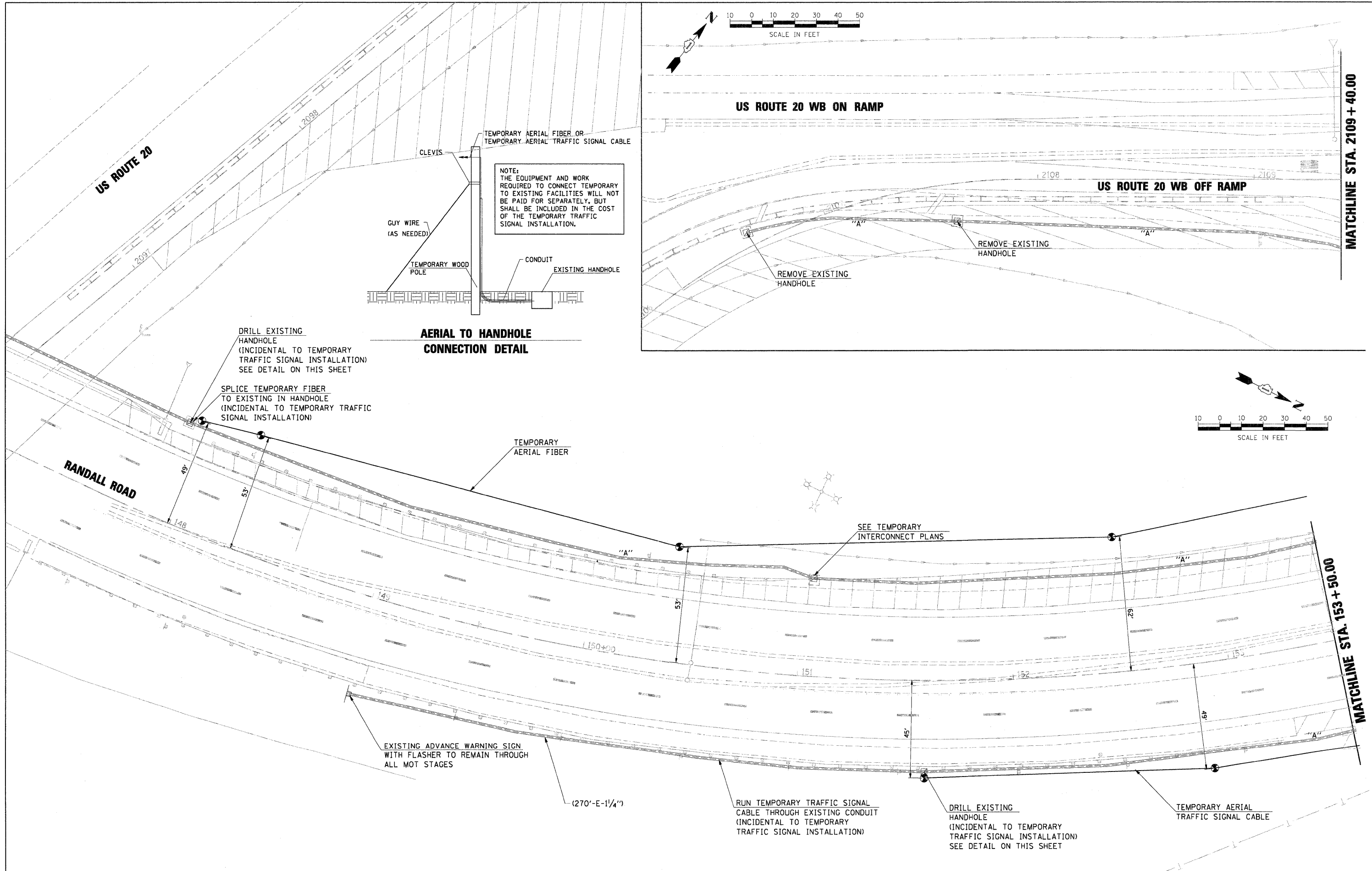
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN - STAGE 1 RANDALL RD AT US RTE 20 WB OFF RAMP (FOOTHILL RD)

F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 31
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63623	

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

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

DATE	
BY	
SURVEYED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTED THIS OFF	
PROFILE	
NOTE BOOK	
NO.	



FILE NAME = D:\157287-SHT-TS02-TPLAN01.DGN

USER NAME =	molopez
DESIGNED -	BH
REVISD -	
DRAWN -	BH
REVISD -	
CHECKED -	DWW
REVISD -	
DATE -	05-09-2011
REVISD -	
PLOT SCALE =	SCALE
PLOT DATE =	11/29/2011

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

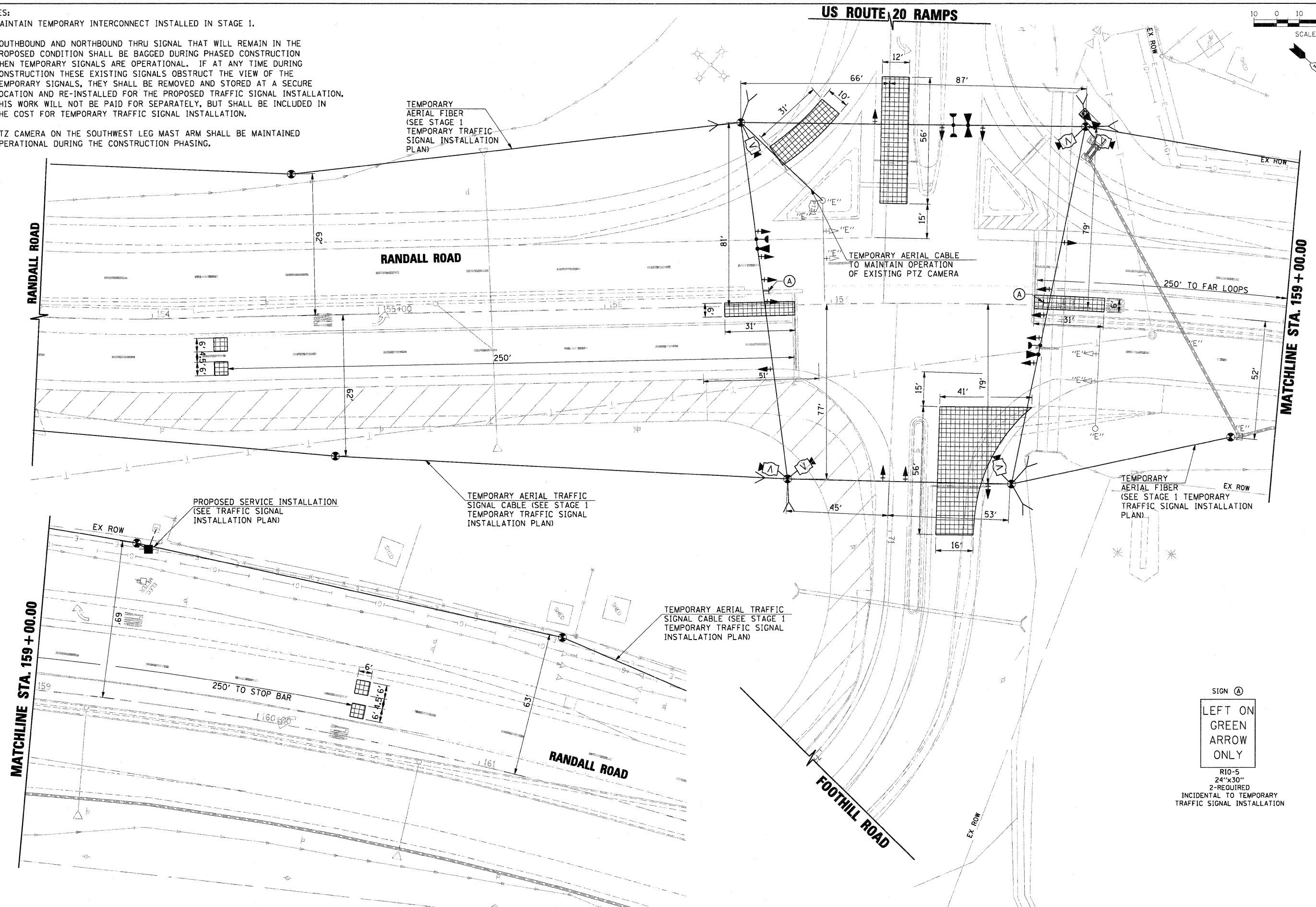
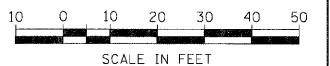
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN - STAGE 1 RANDALL RD AT US RTE 20 WB OFF RAMP (FOOTHILL RD)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	32
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

NOTES:

1. MAINTAIN TEMPORARY INTERCONNECT INSTALLED IN STAGE 1.
2. SOUTHBOUND AND NORTHBOUND THRU SIGNAL THAT WILL REMAIN IN THE PROPOSED CONDITION SHALL BE BAGGED DURING PHASED CONSTRUCTION WHEN TEMPORARY SIGNALS ARE OPERATIONAL. IF AT ANY TIME DURING CONSTRUCTION THESE EXISTING SIGNALS OBSTRUCT THE VIEW OF THE TEMPORARY SIGNALS, THEY SHALL BE REMOVED AND STORED AT A SECURE LOCATION AND RE-INSTALLED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
3. PTZ CAMERA ON THE SOUTHWEST LEG MAST ARM SHALL BE MAINTAINED OPERATIONAL DURING THE CONSTRUCTION PHASING.



SIGN (A)
 LEFT ON GREEN
 ARROW ONLY

R10-5
 24"x30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY
 TRAFFIC SIGNAL INSTALLATION

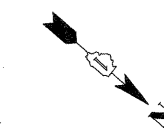
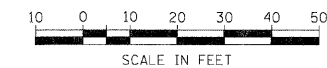
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SURVEYED	
ALIGNMENT CHECKED	
P.T. OF WAY CHECKED	
ROAD FILE NAME	
NO.	

DATE	
BY	
PROFILE	
SURVEYED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHECKED	
NO.	

FILE NAME = D1157207-SHT-TS03A-TPLAN01A.DGN	USER NAME = molopez	DESIGNED - BH	REVISED - 	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN STAGE 1A RANDALL RD AT US RTE 20 WB OFF RAMP (FOOTHILL RD)			F.A.P RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 33A
PLOT SCALE = SCALE	CHECKED - DWW	DATE - 05-09-2011	REVISED - 			SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.	CONTRACT NO. 63623		
PLOT DATE = 11/29/2011									FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

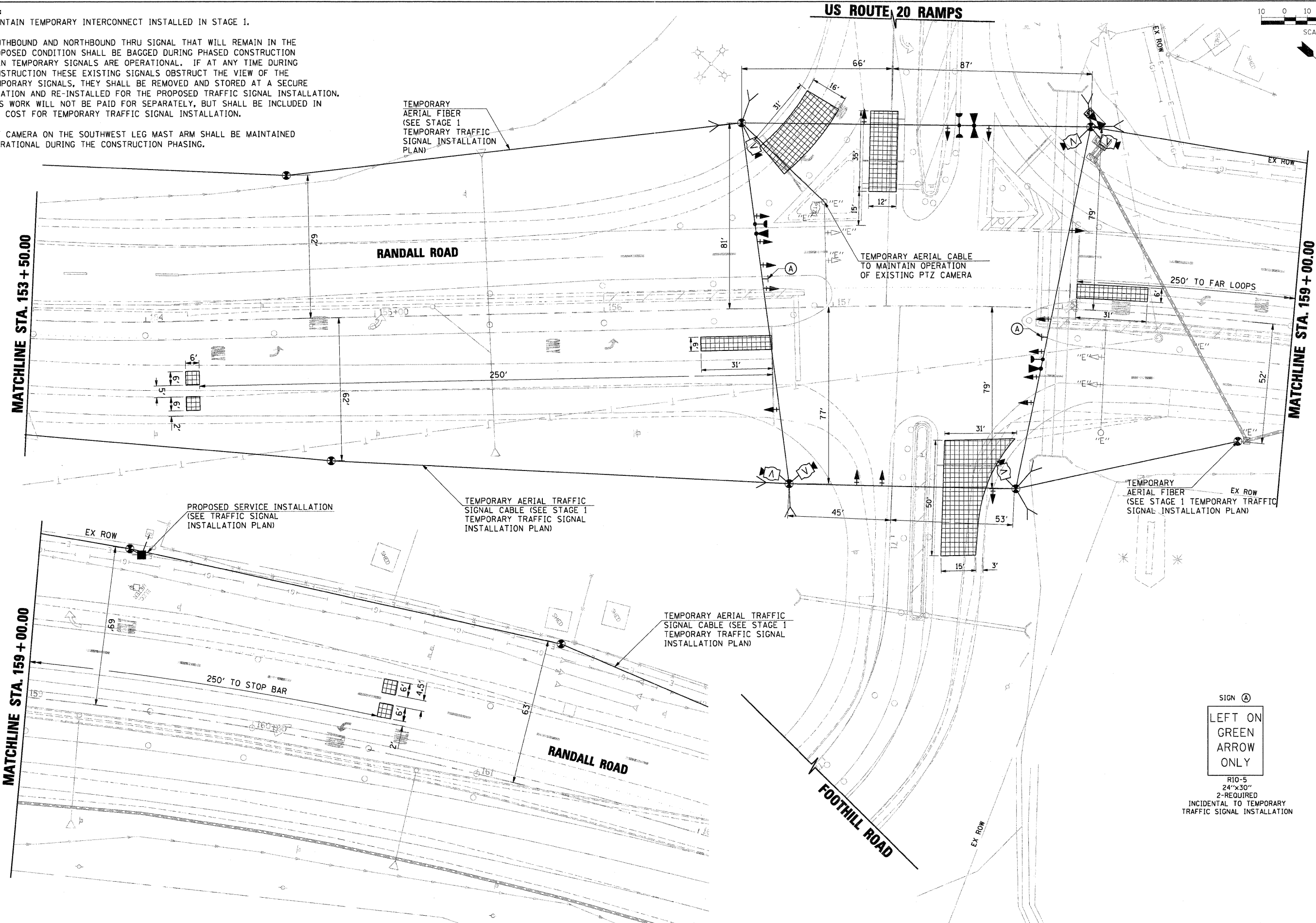
NOTES:

1. MAINTAIN TEMPORARY INTERCONNECT INSTALLED IN STAGE 1.
2. SOUTHBOUND AND NORTHBOUND THRU SIGNAL THAT WILL REMAIN IN THE PROPOSED CONDITION SHALL BE BAGGED DURING PHASED CONSTRUCTION WHEN TEMPORARY SIGNALS ARE OPERATIONAL. IF AT ANY TIME DURING CONSTRUCTION THESE EXISTING SIGNALS OBSTRUCT THE VIEW OF THE TEMPORARY SIGNALS, THEY SHALL BE REMOVED AND STORED AT A SECURE LOCATION AND RE-INSTALLED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
3. PTZ CAMERA ON THE SOUTHWEST LEG MAST ARM SHALL BE MAINTAINED OPERATIONAL DURING THE CONSTRUCTION PHASING.



DATE	BY	APPROVED
PLAN	NO. OF SHEETS	NO. OF SHEETS

DATE	BY	APPROVED
PROFILE	NO. OF SHEETS	NO. OF SHEETS



SIGN A
 LEFT ON GREEN
 ARROW
 ONLY
 R10-5
 24"x30"
 2-REQUIRED
 INCIDENTAL TO TEMPORARY
 TRAFFIC SIGNAL INSTALLATION

FILE NAME = D:\157287-SHT-TS04-TPLAN02.DGN

USER NAME = melopez
 DESIGNED - BH
 DRAWN - BH
 CHECKED - DWW
 DATE - 05-09-2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
 STAGE 2
 RANDALL RD AT US RTE 20 WB OFF RAMP (FOOTHILL RD)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	34
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63623	

DATE	
BY	
SURVEYED	
ALIGNMENT CHECKED	
NOTE BOOK	
NO.	
PLAN	
NO.	

DATE	
BY	
SURVEYED	
GRADES CHECKED	
NOTE BOOK	
NO.	
PROFILE	
NO.	

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT			

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

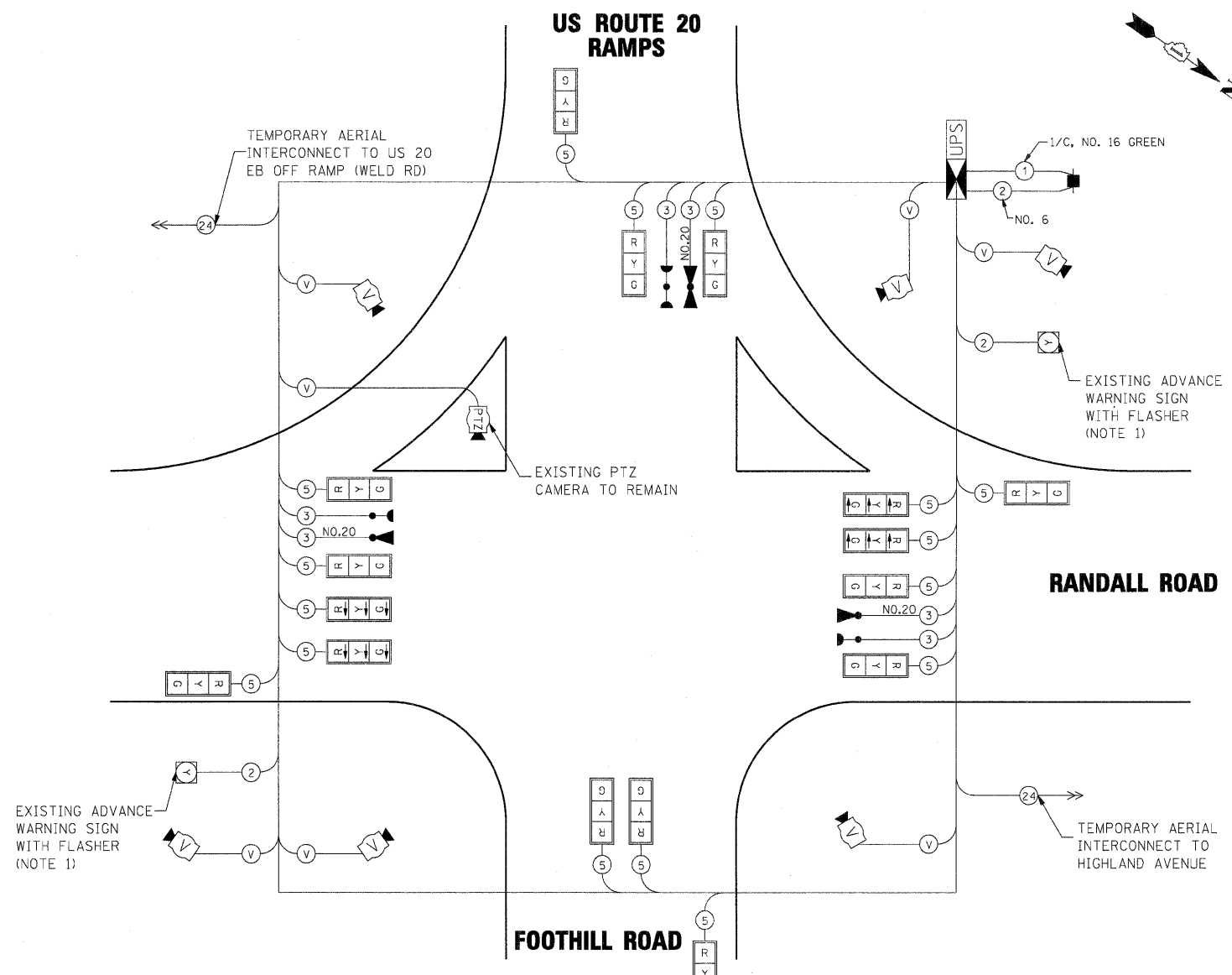
EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT			

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	0		12	0.10	0
CONTROLLER	1		100	1.00	100
UPS	1		25	1.00	25
VIDEO SYSTEM	1	150		1.00	150
FLASHER	2		25	0.50	25
TOTAL =					596

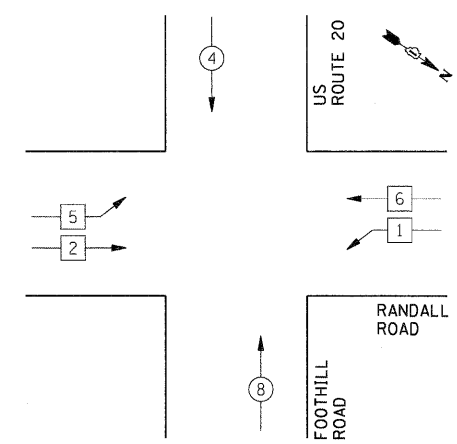
ENERGY COSTS TO: KANE COUNTY
ST. CHARLES, ILLINOIS

ENERGY SUPPLY CONTACT: CATHY NYSTROM
 PHONE: (847) 608-2331
 COMPANY: COMMONWEALTH EDISON

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, 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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



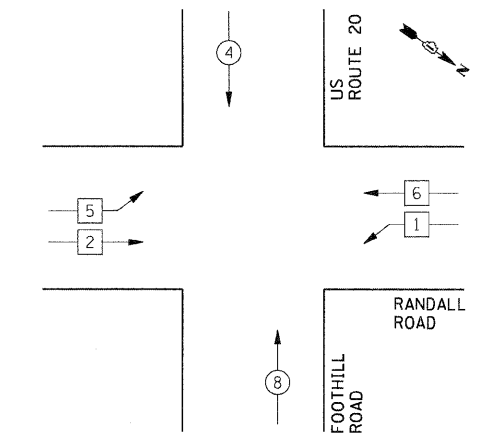
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

CONTROLLER SEQUENCE LEGEND	
	DUAL ENTRY PHASE
	SINGLE ENTRY PHASE
	OVERLAP
	CONTINUOUS RIGHT
	NUMBER REFERRING TO ASSOCIATED PHASE
	PEDESTRIAN PHASE

TEMPORARY CONTROLLER SEQUENCE



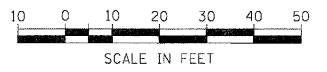
TEMPORARY PHASE DESIGNATION DIAGRAM

NOTE 1)
 EXISTING AMBER FLASHING BEACON SHALL BE ACTIVATED DURING STEADY AMBER AND RED SIGNAL INDICATIONS FOR SOUTHBOUND AND NORTHBOUND THROUGH PHASE.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NOTES:

1. MAINTAIN TEMPORARY INTERCONNECT INSTALLED IN STAGE 1.
2. SOUTHBOUND AND NORTHBOUND THRU SIGNAL THAT WILL REMAIN IN THE PROPOSED CONDITION SHALL BE BAGGED DURING PHASED CONSTRUCTION WHEN TEMPORARY SIGNALS ARE OPERATIONAL. IF AT ANY TIME DURING CONSTRUCTION THESE EXISTING SIGNALS OBSTRUCT THE VIEW OF THE TEMPORARY SIGNALS, THEY SHALL BE REMOVED AND STORED AT A SECURE LOCATION AND RE-INSTALLED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
3. PTZ CAMERA ON THE SOUTHWEST LEG MAST ARM SHALL BE MAINTAINED OPERATIONAL DURING THE CONSTRUCTION PHASING.



LANE IS CLOSED DURING THIS STAGE

US ROUTE 20 RAMPS

MATCHLINE STA. 153 + 50.00

MATCHLINE STA. 159 + 00.00

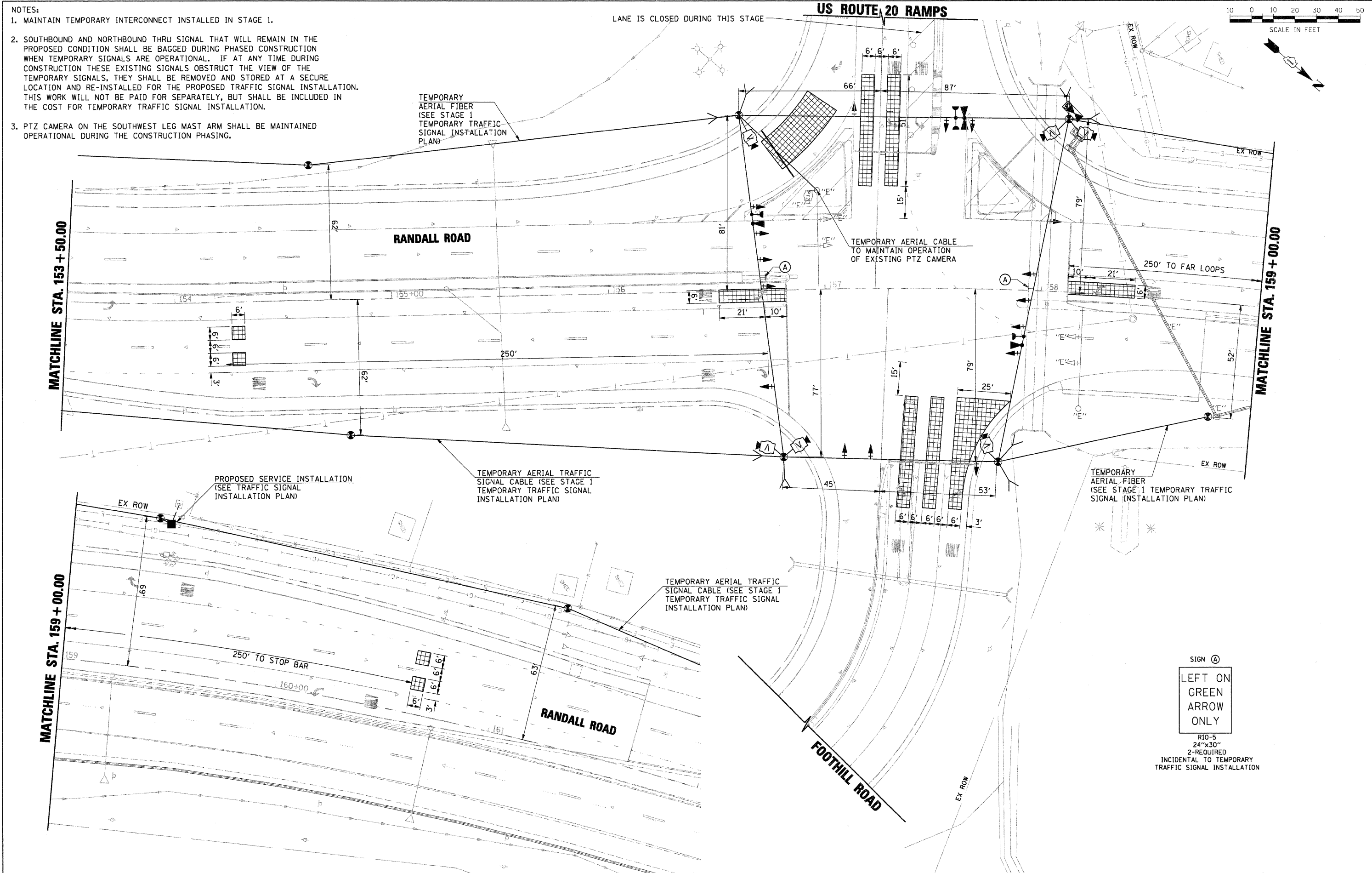
RANDALL ROAD

RANDALL ROAD

FOOTHILL ROAD

PLAN	DATE	BY
NO.		
NO.		
NO.		
NO.		

PROFILE	DATE	BY
NO.		
NO.		
NO.		
NO.		



SIGN (A)
LEFT ON
GREEN
ARROW
ONLY

R10-5
24"x30"
2-REQUIRED
INCIDENTAL TO TEMPORARY
TRAFFIC SIGNAL INSTALLATION

FILE NAME = D:\157287-SHT-TS04B-TPLAN03.DGN

USER NAME = melopez	DESIGNED - BH	REVISED -
PLOT SCALE = *SCALE*	DRAWN - BH	REVISED -
PLOT DATE = 11/29/2011	CHECKED - DWW	REVISED -
	DATE - 05-09-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
STAGE 3
RANDALL RD AT US RTE 20 WB OFF RAMP (FOOTHILL RD)

F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 34B
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

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

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PROFILE	
NO.	

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PROFILE	
NO.	

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	↔	↔	↕

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

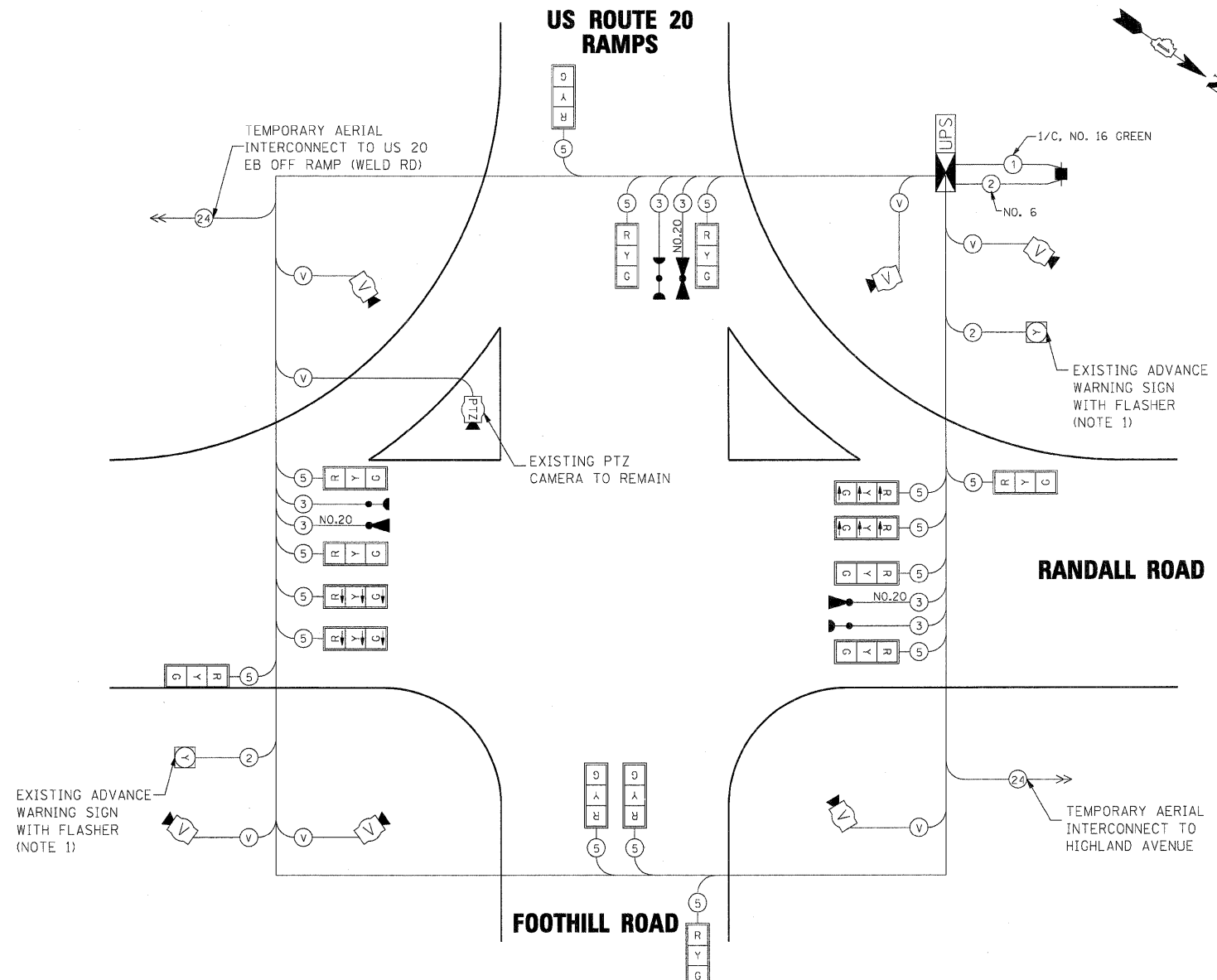
EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTORS	3	4	5
MOVEMENT	↔	↔	↕

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	0		12	0.10	0
CONTROLLER	1		100	1.00	100
UPS	1		25	1.00	25
VIDEO SYSTEM	1	150		1.00	150
FLASHER	2		25	0.50	25
TOTAL =					596

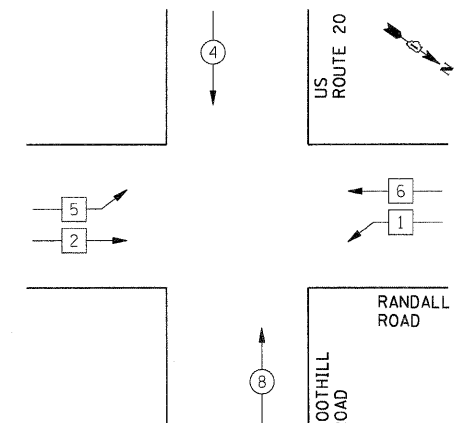
ENERGY COSTS TO: KANE COUNTY
ST. CHARLES, ILLINOIS

ENERGY SUPPLY CONTACT: CATHY NYSTROM
PHONE: (847) 608-2331
COMPANY: COMMONWEALTH EDISON

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, 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 STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



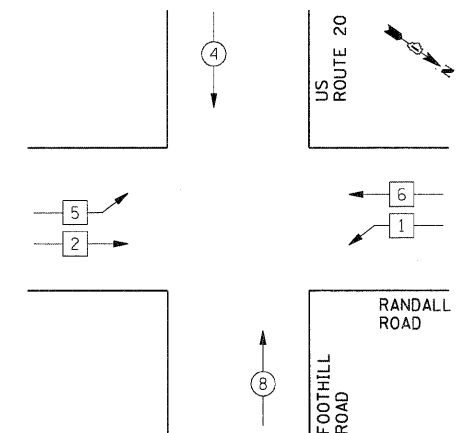
EXISTING CONTROLLER SEQUENCE



EXISTING PHASE DESIGNATION DIAGRAM

CONTROLLER SEQUENCE LEGEND	
↔	DUAL ENTRY PHASE
↔	SINGLE ENTRY PHASE
↔	OVERLAP
↔	CONTINUOUS RIGHT
*	NUMBER REFERRING TO ASSOCIATED PHASE
↔	PEDESTRIAN PHASE

TEMPORARY CONTROLLER SEQUENCE



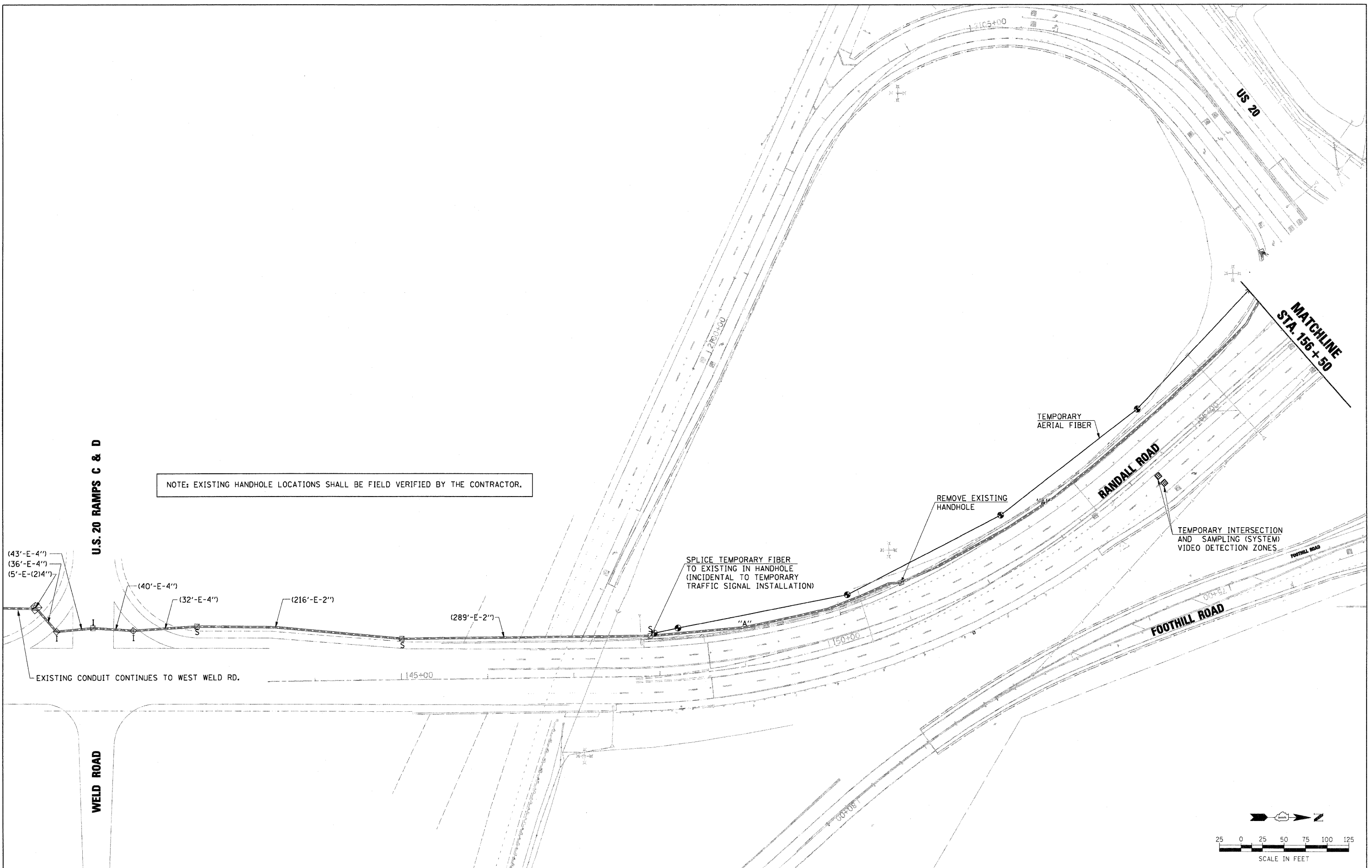
TEMPORARY PHASE DESIGNATION DIAGRAM

NOTE 1)
EXISTING AMBER FLASHING BEACON SHALL BE ACTIVATED DURING STEADY AMBER AND RED SIGNAL INDICATIONS FOR SOUTHBOUND AND NORTHBOUND THROUGH PHASE.

STAGE 3

PLAN	DATE
NO.	
BY	
DATE	
SURVEYED	
ALIGNED	
CHECKED	
BY	
DATE	
NOTE BOOK	
NO.	
PROJECT FILE NAME	

PROFILE	DATE
NO.	
BY	
DATE	
SURVEYED	
GRADES CHECKED	
BY	
DATE	
NOTE BOOK	
NO.	
STRUCTURE NOTATIONS CHK'D	



FILE NAME = D:\157207-SHT-TS09-INT01.DGN

USER NAME = molopez
 PLOT SCALE = *SCALE*
 PLOT DATE = 11/29/2011

DESIGNED - BH
 DRAWN - BH
 CHECKED - DWW
 DATE - 05-09-2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

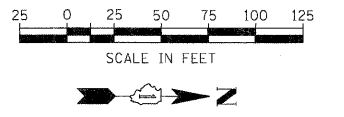
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INTERCONNECT PLAN
 RANDALL ROAD FROM WELD ROAD TO HIGHLAND AVENUE**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	35A
CONTRACT NO. 63623				

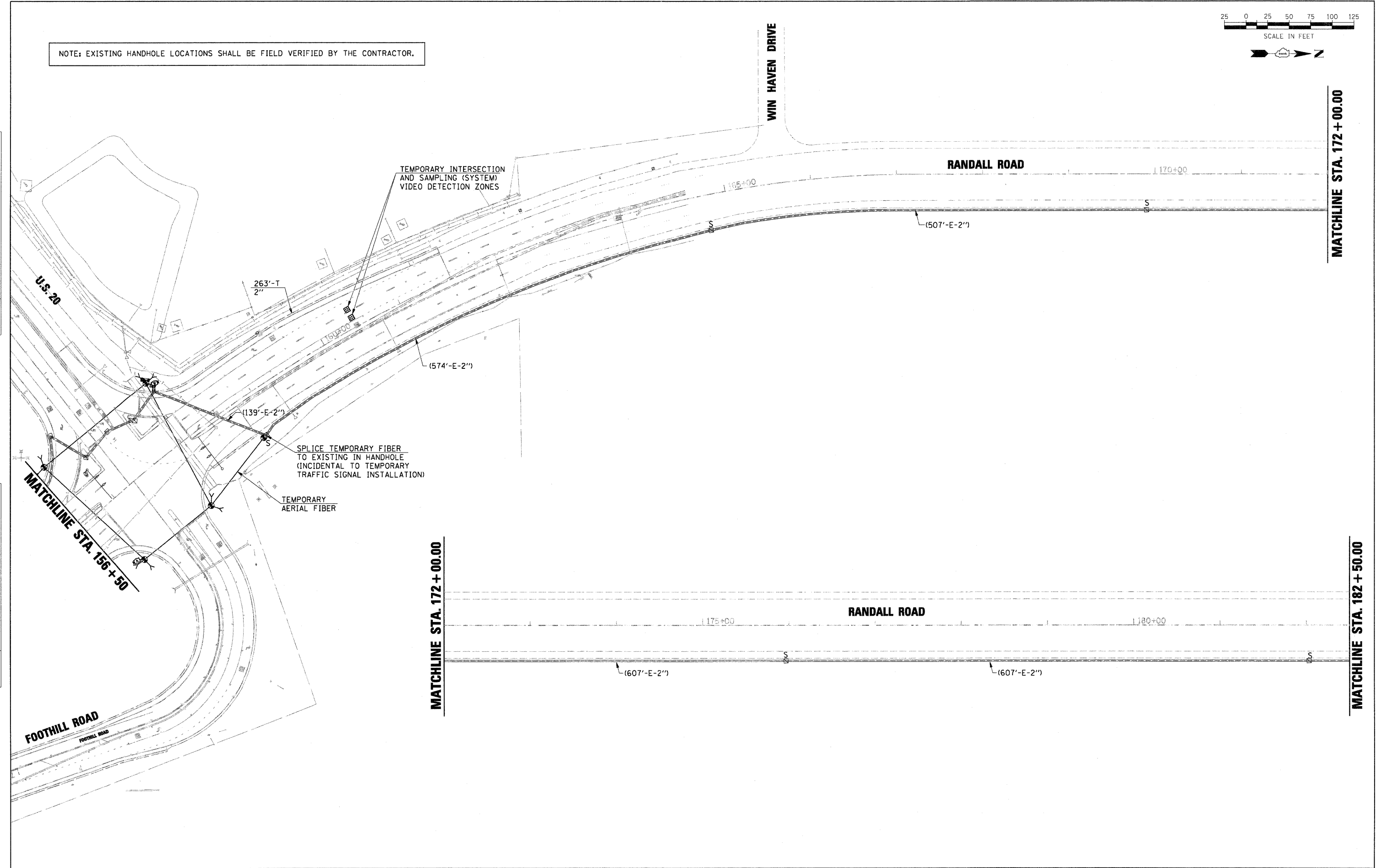
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT



NOTE: EXISTING HANDHOLE LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.

PLAN	DATE
SURVEYED	BY
ALIGNED	CHECKED
GRADES	CHECKED
STRUCTURE	NOTATION
NO.	CHRG

PROFILE	DATE
SURVEYED	BY
GRADES	CHECKED
STRUCTURE	NOTATION
NO.	CHRG



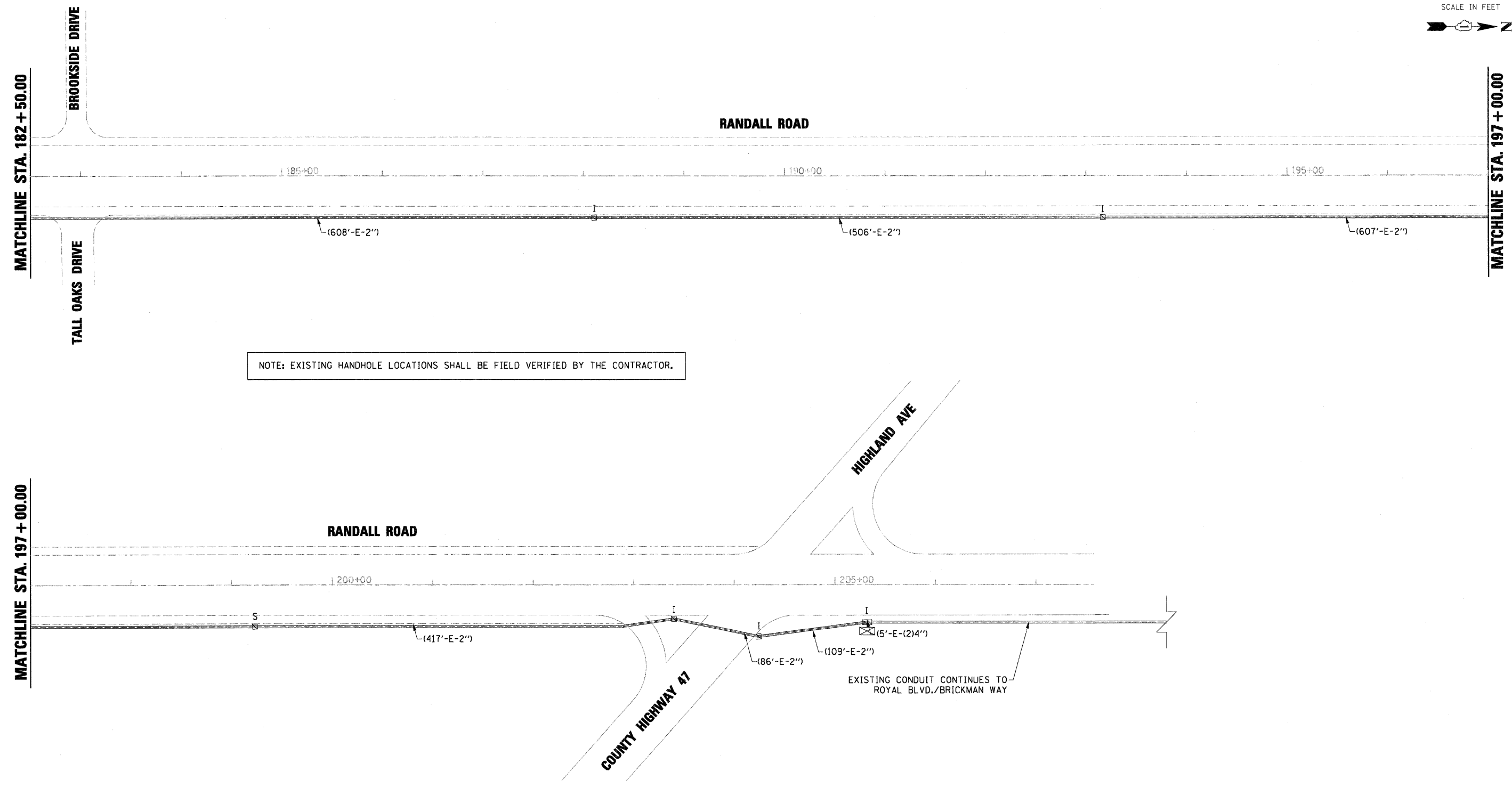
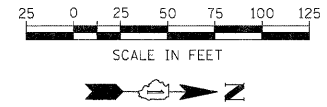
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USER NAME = molopez	DESIGNED - BH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - BH	REVISED -
PLOT DATE = 11/29/2011	CHECKED - DWW	REVISED -
	DATE - 05-09-2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INTERCONNECT PLAN
RANDALL ROAD FROM WELD ROAD TO HIGHLAND AVENUE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	35B
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTE: EXISTING HANDHOLE LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.

EXISTING CONDUIT CONTINUES TO ROYAL BLVD./BRICKMAN WAY

PLAN	DATE
NO.	
NOTE BOOK	BY
NO.	
GRADES CHECKED	DATE
STRUCTURE NOTATIONS	

PROFILE	DATE
NO.	
GRADES CHECKED	BY
STRUCTURE NOTATIONS	

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USER NAME = malopez	DESIGNED - BH	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - BH	REVISED -
PLOT DATE = 11/29/2011	CHECKED - DWW	REVISED -
	DATE - 05-09-2011	REVISED -

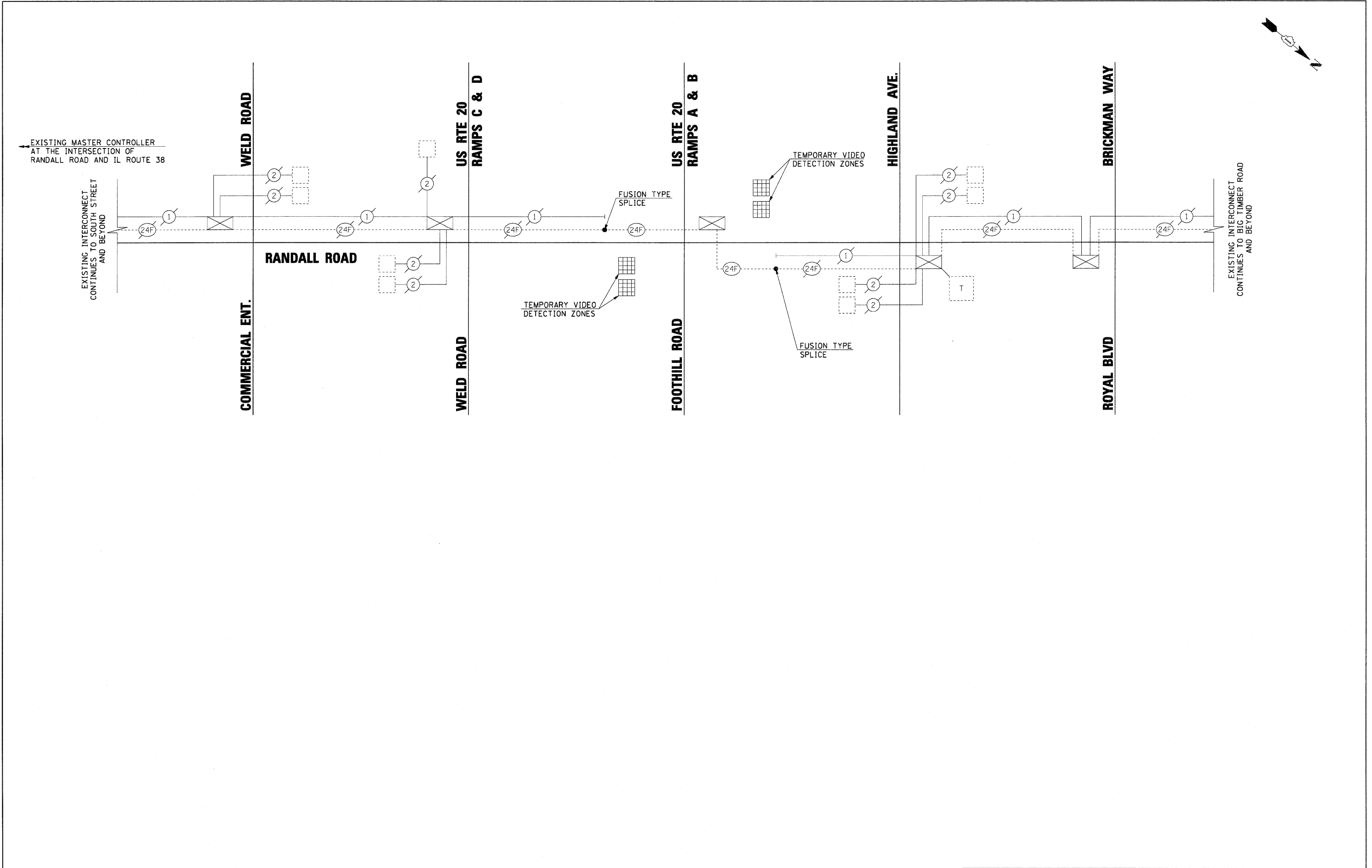
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INTERCONNECT PLAN			
RANDALL ROAD FROM WELD ROAD TO HIGHLAND AVENUE			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	35C
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	NOTED		
	ALIGNED		
	CHECKED		
	ROAD NAME		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	NOTED		
	GRADES		
	CHECKED		
	R.M. NOTED		
	STRUCTURE		
	NOTATION		
	CHRS		



FILE NAME = 01157207-SHT-TS12-SCHEM.DGN
 USER NAME = melopez
 DESIGNED - BH
 DRAWN - BH
 CHECKED - DWW
 DATE - 05-09-2011

DESIGNED - BH	REVISED -
DRAWN - BH	REVISED -
CHECKED - DWW	REVISED -
DATE - 05-09-2011	REVISED -

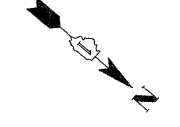
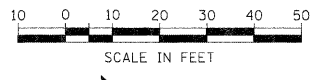
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INTERCONNECT SCHEMATIC
RANDALL ROAD FROM WELD ROAD TO HIGHLAND AVENUE**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	35D
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

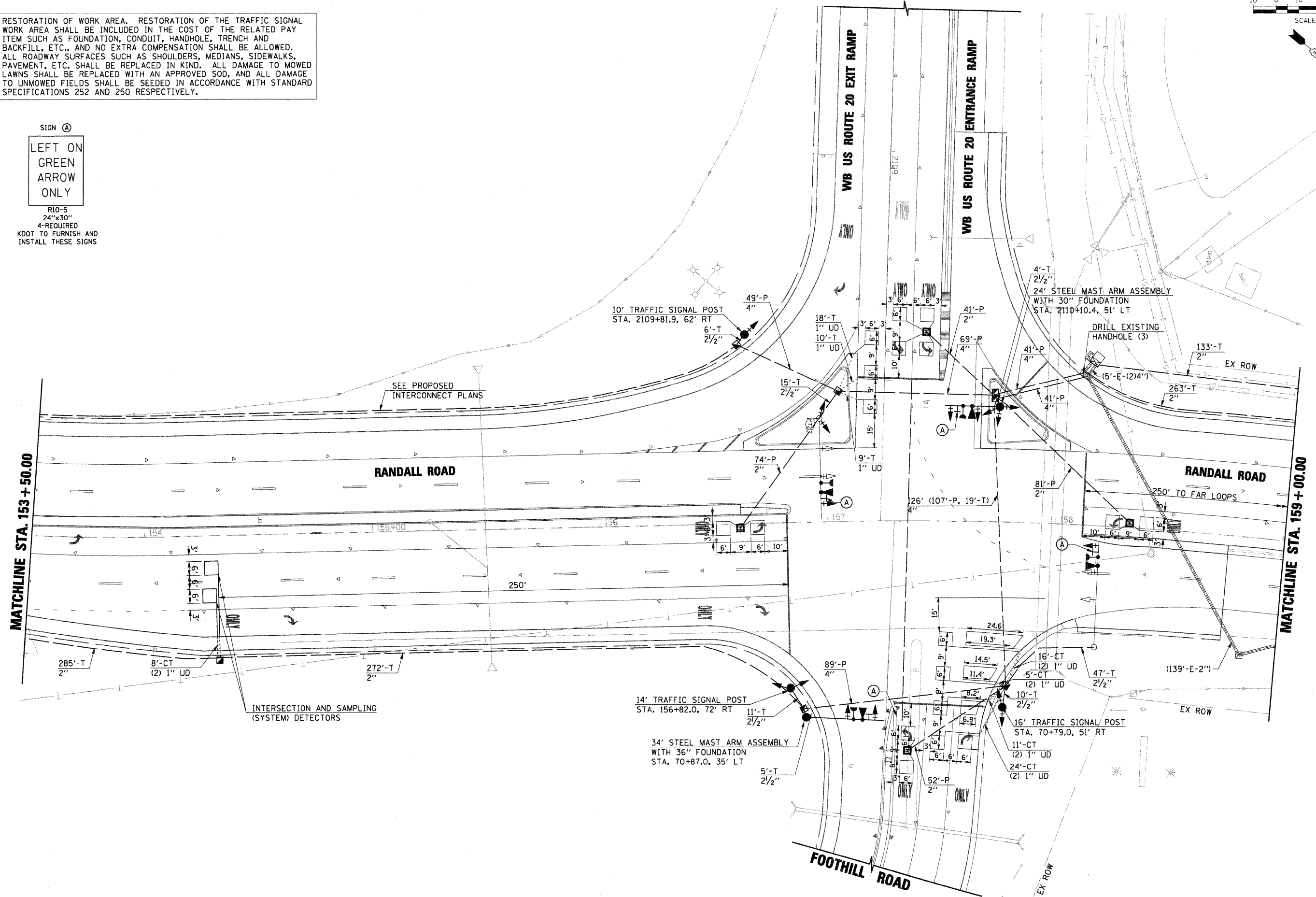
RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, 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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



DATE	
BY	
REVISION	
PLAN	
NO.	

DATE	
BY	
REVISION	
PROFILE	
NO.	

SIGN (A)
LEFT ON GREEN ARROW ONLY
 R10-5
 24"x30"
 4-REQUIRED
 KDOT TO FURNISH AND INSTALL THESE SIGNS



FILE NAME =	USER NAME = melopez
D:\1157287-SHT-TS06-PLAN.DGN	DESIGNED - BH
	DRAWN - BH
	CHECKED - DWW
	DATE - 05-09-2011

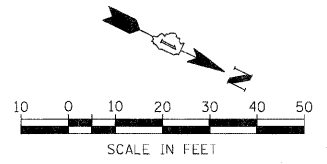
PLOT SCALE = *SCALE*	REVISION -
PLOT DATE = 11/29/2011	REVISION -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL INSTALLATION PLAN
 RANDALL RD AT US RTE 20 WB OFF RAMP (FOOTHILL RD)**

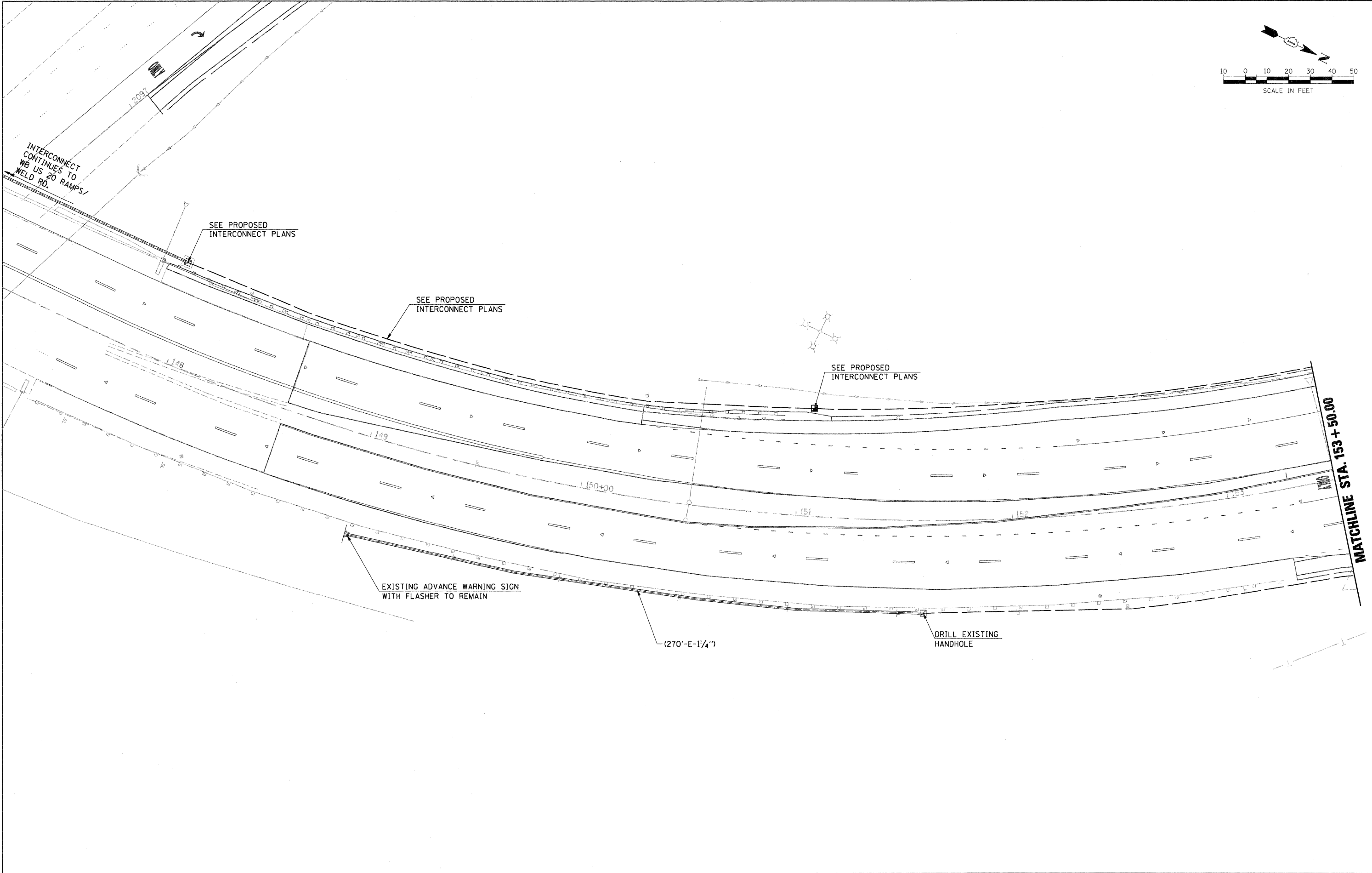
F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 36
CONTRACT NO. 63623				

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



DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY



FILE NAME = 01157287-SHT-TS07-PLAN.DGN

USER NAME = melopez	DESIGNED - BH	REVISED -
PLOT SCALE = *SCALE*	DRAWN - BH	REVISED -
PLOT DATE = 11/29/2011	CHECKED - DWW	REVISED -
	DATE - 05-09-2011	REVISED -

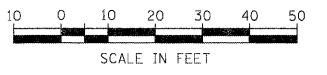
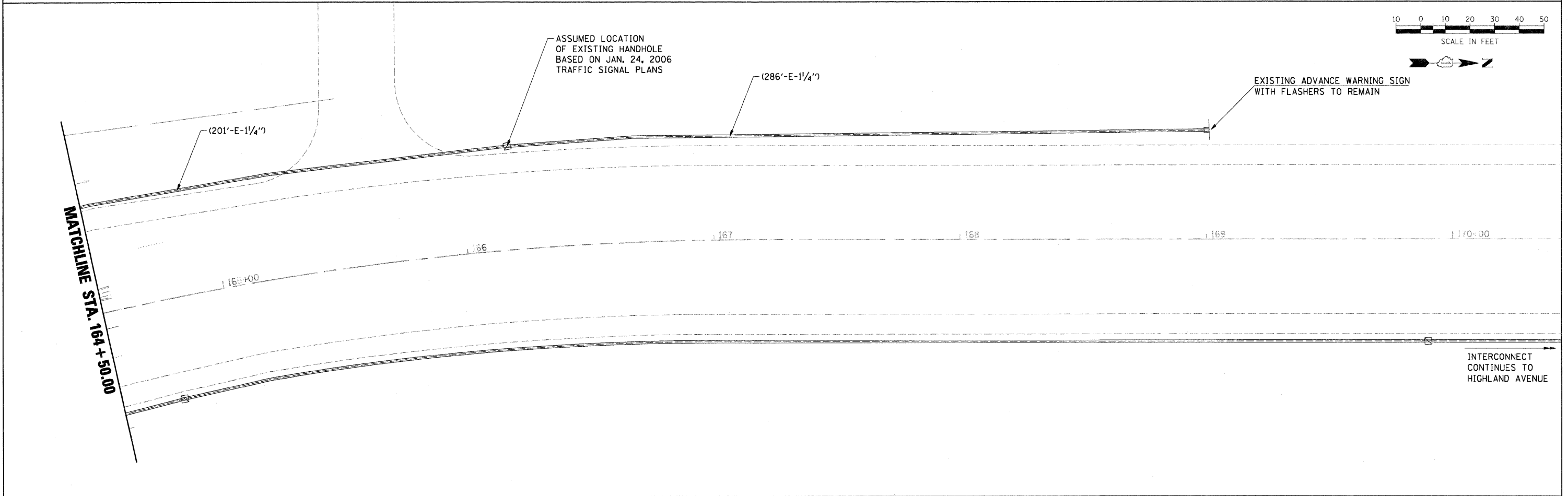
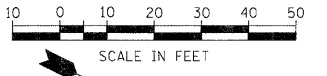
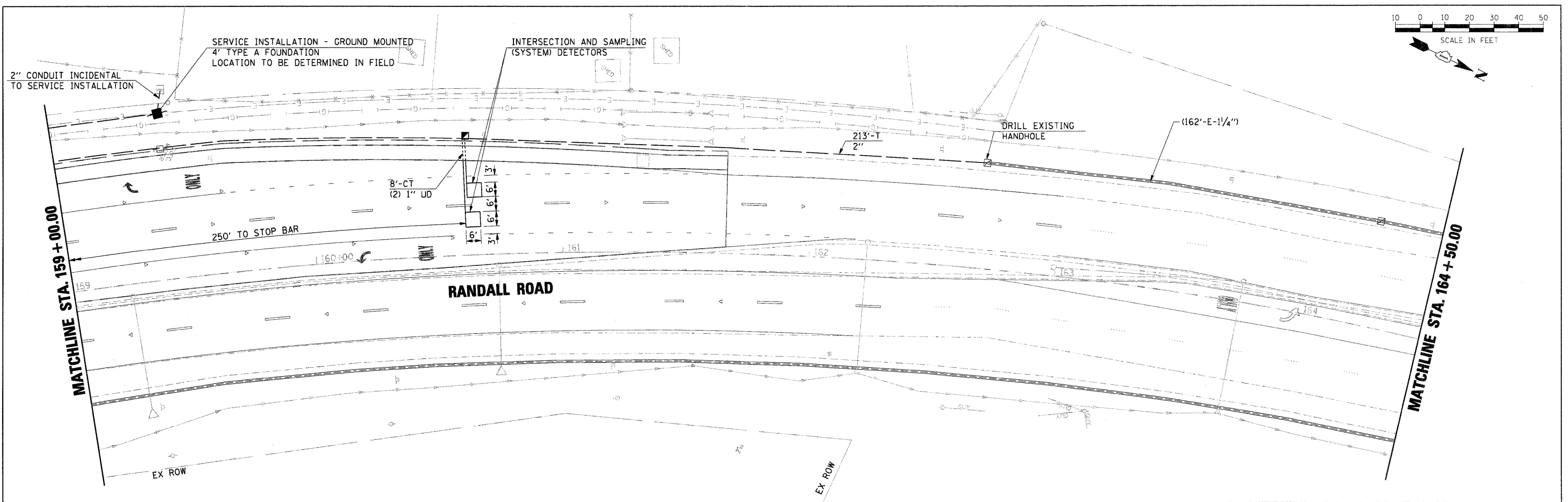
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL INSTALLATION PLAN
RANDALL RD AT US RTE 20 WB OFF RAMP (FOOTHILL RD)**

F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 37
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	
SCALE:		SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 63623

PLAN	DATE	BY
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		

PROFILE	DATE	BY
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		



FILE NAME = D:\157287-SHT-TS07A-PLAN.DGN	USER NAME = molopez	DESIGNED - BH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL INSTALLATION PLAN RANDALL RD AT US RTE 20 WB OFF RAMP (FOOTHILL RD)	F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 37A		
PLOT SCALE = SCALE*	CHECKED - DWW	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
PLOT DATE = 11/29/2011	DATE - 05-09-2011	REVISED -										
CONTRACT NO. 63623												

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

EXISTING EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTORS	3	4	5	
MOVEMENT	↔	↔	↕	↕

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTORS	3	4	5	6
MOVEMENT	↔	↔	↕	↕

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	18		17	0.50	153
(YELLOW)	18		25	0.25	112.5
(GREEN)	18		15	0.25	67.5
ARROW	4		12	0.10	4.8
CONT. RIGHT ARROW	2		15	1.00	30
CONTROLLER	1		100	1.00	100
UPS	1		25	1.00	25
FLASHER	2		17	0.50	17
TOTAL =					490.1

ENERGY COSTS TO: KANE COUNTY
ST. CHARLES, ILLINOIS

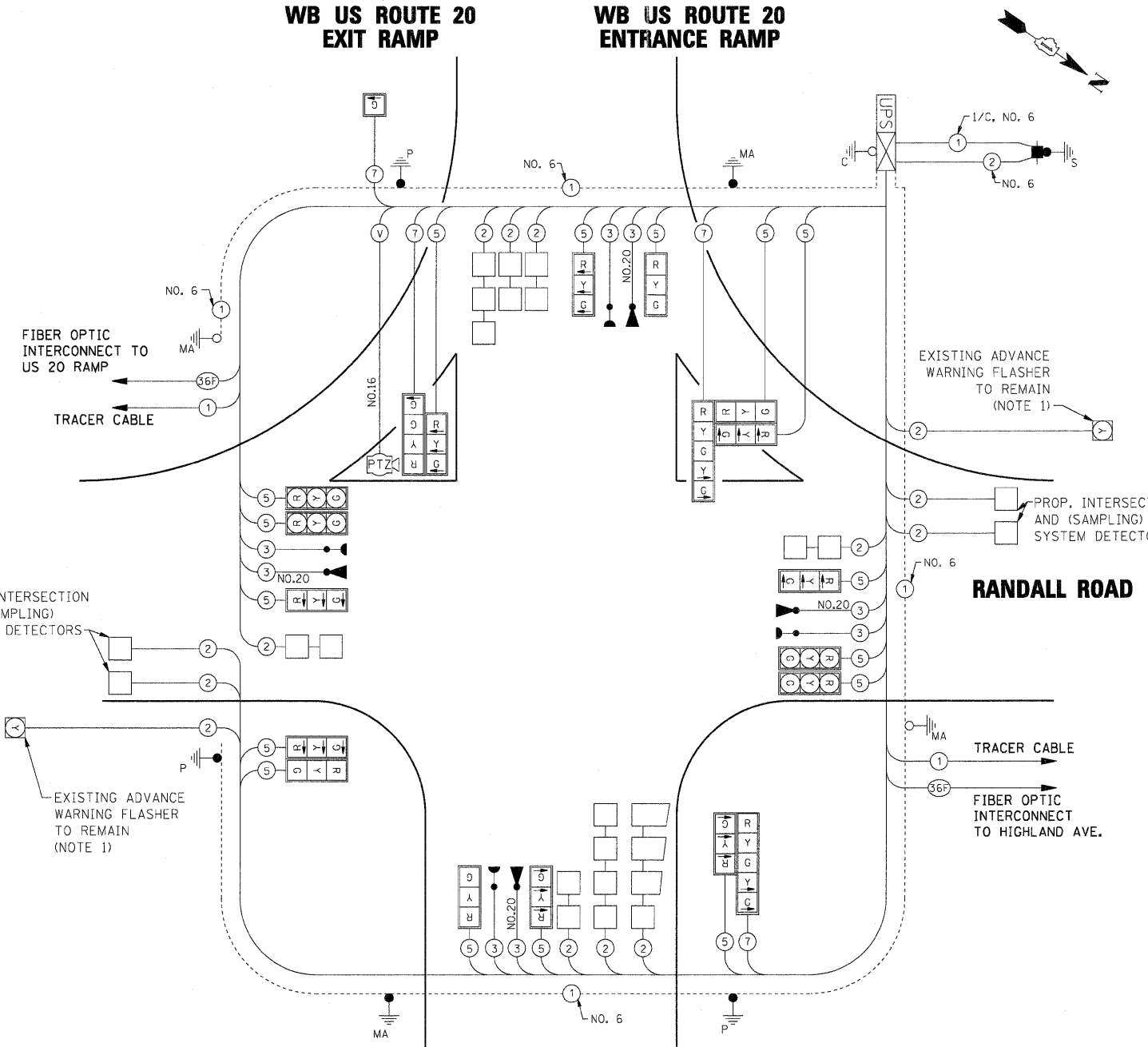
ENERGY SUPPLY CONTACT: CATHY NYSTROM
 PHONE: (847) 608-2331
 COMPANY: COMMONWEALTH EDISON

NOTES:

- EXISTING AMBER FLASHING BEACON SHALL BE ACTIVATED DURING STEADY AMBER AND RED SIGNAL INDICATIONS FOR SOUTHBOUND AND NORTHBOUND THROUGH PHASE.
- THE COORDINATED PHASES ARE 2 AND 6. THESE PHASES SHALL BE PLACED ON MIN. RECALL.
- PHASES 1 AND 5 SHALL HAVE ANTI-BACKUP FEATURE DISABLED.

IN ACCORDANCE WITH SECTION 806 OF THE STANDARD SPECIFICATIONS, GROUNDING ELECTRODES AND THE ASSOCIATED GROUNDING CONDUCTOR WILL NOT BE MEASURED FOR PAYMENT SEPARATELY BUT THE COST SHALL BE INCLUDED IN THE COST FOR THE ITEM BEING GROUNDING.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, 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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

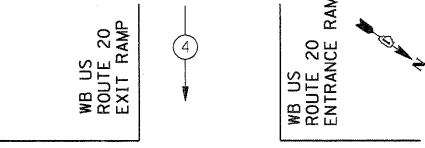


SCHEDULE OF QUANTITIES

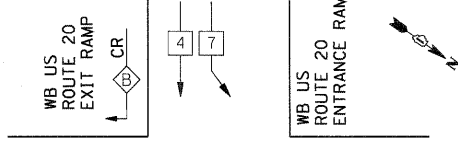
SERVICE INSTALLATION - GROUND MOUNTED UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1090
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	98
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	415
HANDHOLE	EACH	6
HEAVY DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2344
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1036
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3875
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	771
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3232
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11
DRILL EXISTING HANDHOLE	EACH	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	16
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	900
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	971
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
REMOVE EXISTING JUNCTION BOX	EACH	2
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	1036
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
CABLE, SPECIAL	FOOT	217
NETWORK CONFIGURATION	LSUM	1

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	CONTINUOUS RIGHT	
D	8	1

EXISTING CONTROLLER SEQUENCE



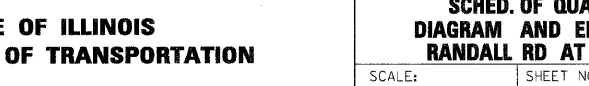
PROPOSED CONTROLLER SEQUENCE



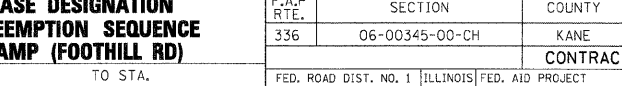
CONTROLLER SEQUENCE LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- CONTINUOUS RIGHT
- NUMBER REFERRING TO ASSOCIATED PHASE
- PEDESTRIAN PHASE

EXISTING PHASE DESIGNATION DIAGRAM



PROPOSED PHASE DESIGNATION DIAGRAM



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

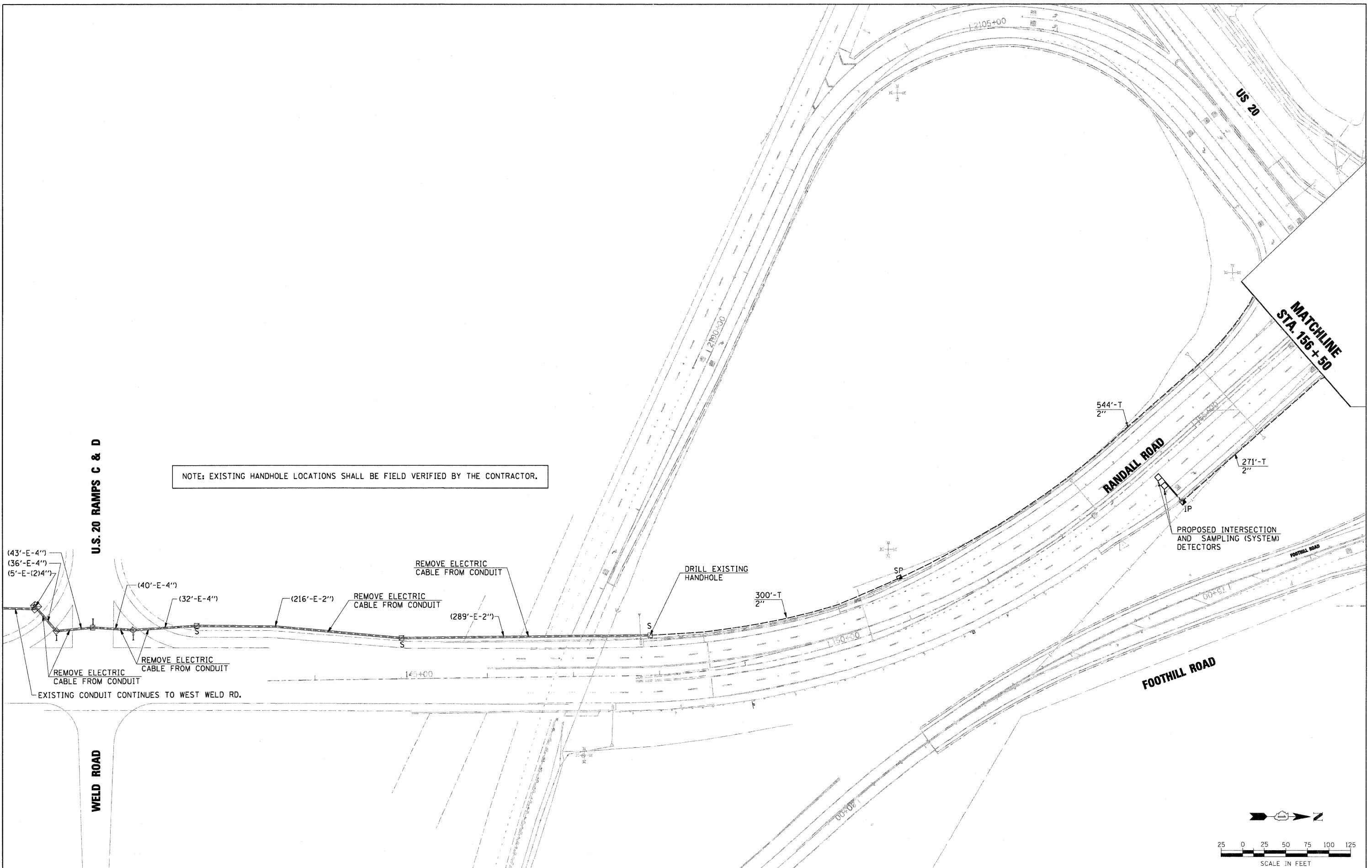
SCHED. OF QUANTITIES, CABLE PLN, PHASE DESIGNATION
DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
RANDALL RD AT US RTE 20 WB OFF RAMP (FOOTHILL RD)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	38
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63623	

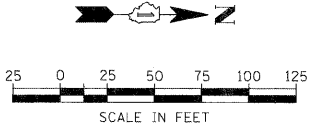
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		CHECKED - DWW	REVISED -
		DATE - 05-09-2011	REVISED -

PLAN	SURVEYED	DATE
	ALIGNMENT CHECKED	
	BY	
	NOTE BOOK	
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	CADD FILE NAME	

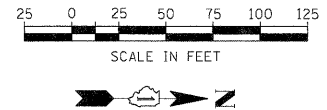
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	GRADES CHECKED	
	BY	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS CHECKED	



NOTE: EXISTING HANDHOLE LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.

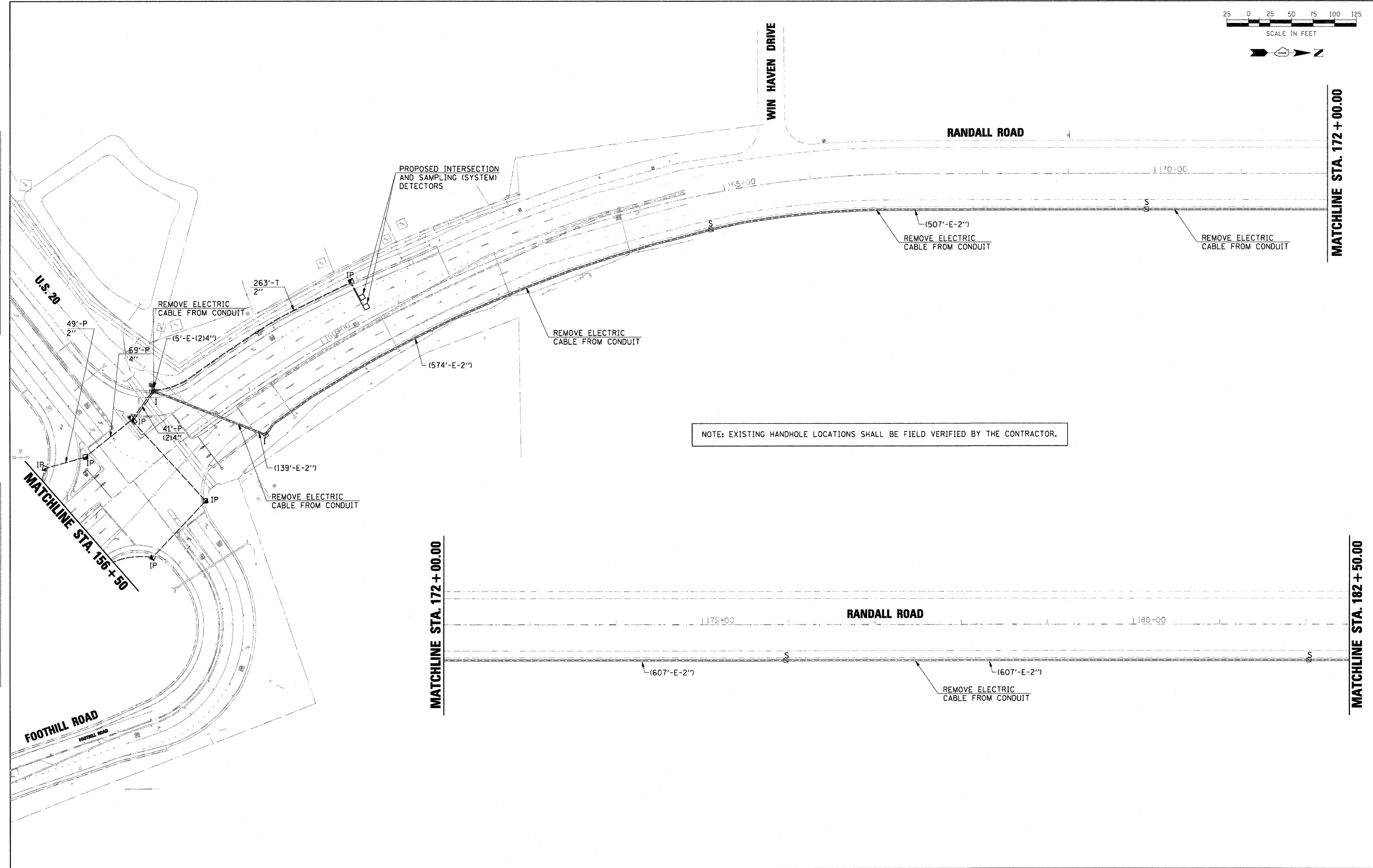


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	PLOT DATE = 11/29/2011	DATE - 05-09-2011	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



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NOTE: EXISTING HANDHOLE LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.

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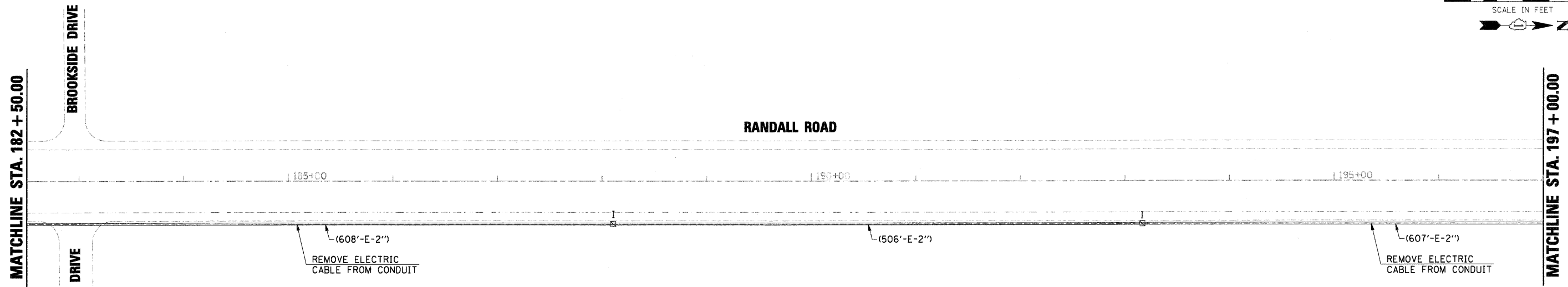
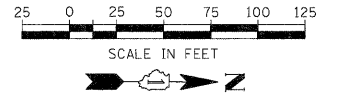
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PLOT SCALE = *SCALE*	DRAWN - BH	REVISED -
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	DATE - 05-09-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

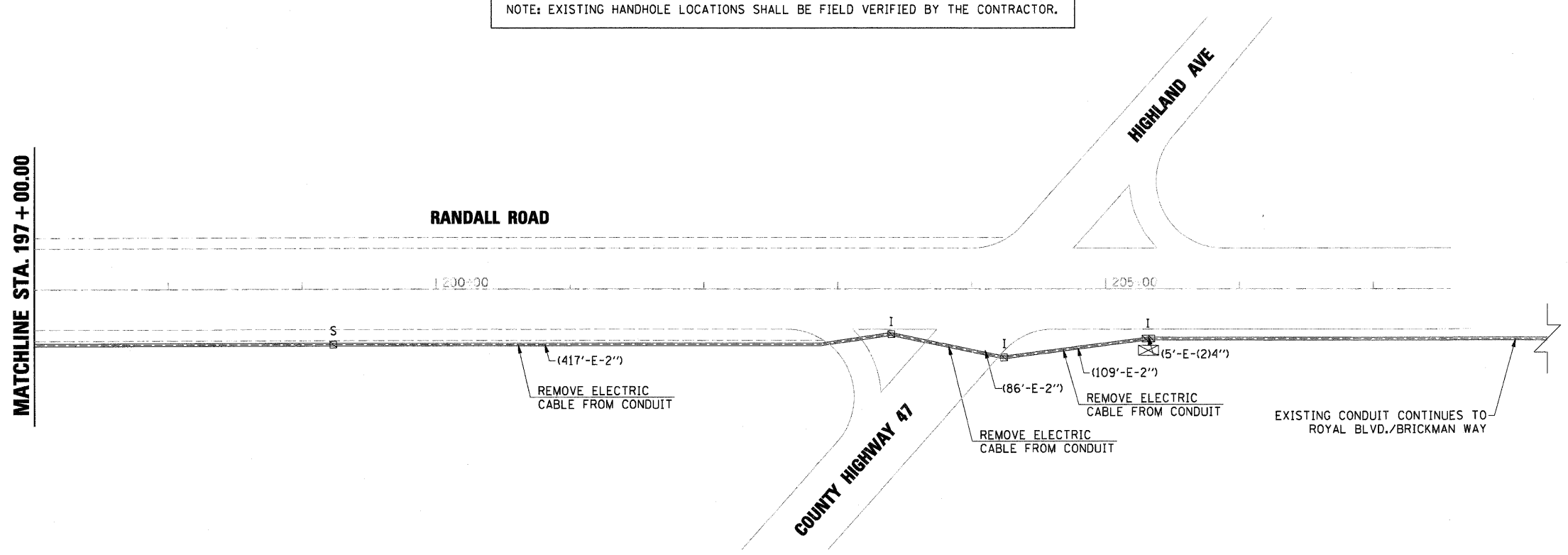
PROPOSED TRAFFIC SIGNAL INTERCONNECT PLAN
RANDALL ROAD FROM WELD ROAD TO HIGHLAND AVENUE

F.A.P. R.T.E. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 40
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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



NOTE: EXISTING HANDHOLE LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.



PLAN	DATE
NO.	BY
NOTE BOOK	DESIGNED
NO.	CHECKED
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	CHECKED
	DATE

PROFILE	DATE
NO.	BY
NOTE BOOK	DESIGNED
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FILE NAME = D:\157207-SHT-TS12C-INT03.DGN

USER NAME = malopez
 DESIGNED - BH
 DRAWN - BH
 CHECKED - DWW
 DATE - 05-09-2011

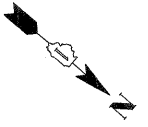
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL INTERCONNECT PLAN
 RANDALL ROAD FROM WELD ROAD TO HIGHLAND AVENUE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	41
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

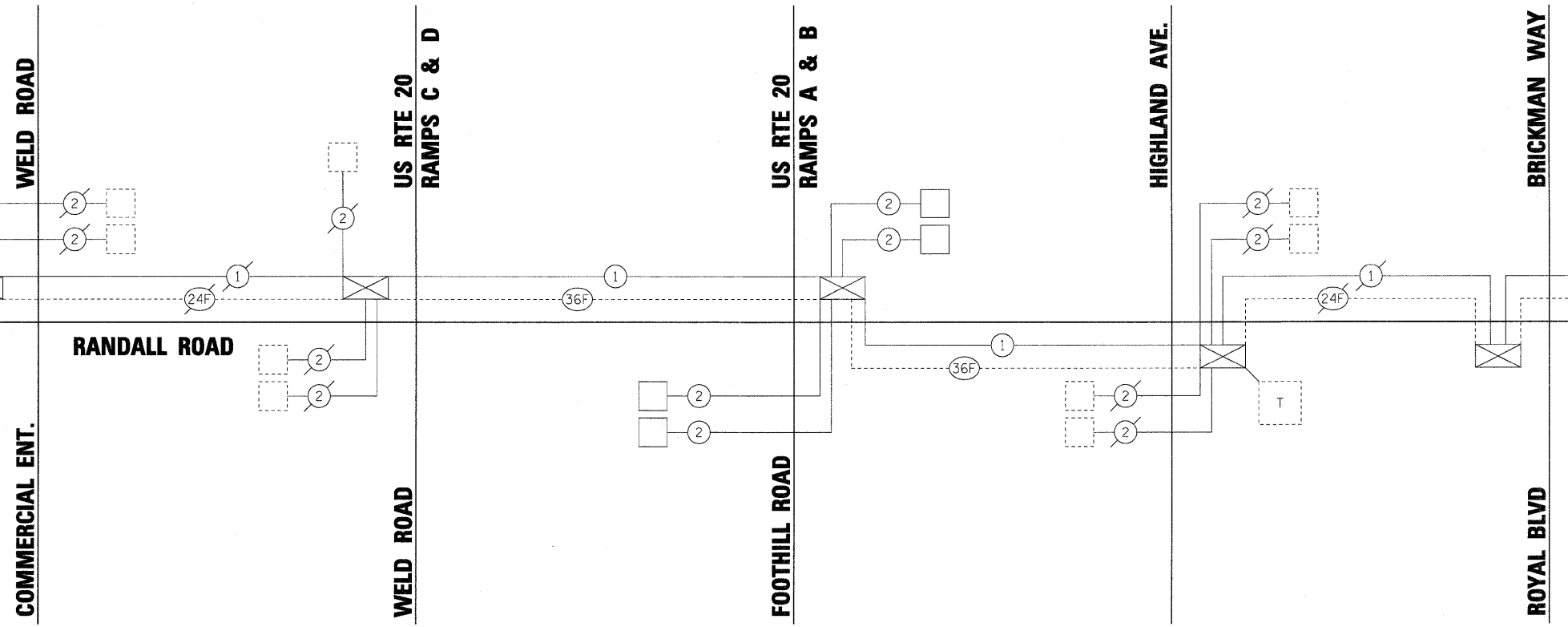
SCALE: SHEET NO. OF SHEETS STA. TO STA.



EXISTING MASTER CONTROLLER
AT THE INTERSECTION OF
RANDALL ROAD AND IL ROUTE 38

EXISTING INTERCONNECT
CONTINUES TO SOUTH STREET
AND BEYOND

EXISTING INTERCONNECT
CONTINUES TO BIG TIMBER ROAD
AND BEYOND



PLAN	DATE
NO.	BY
NOTE BOOK	DATE
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NO.	BY
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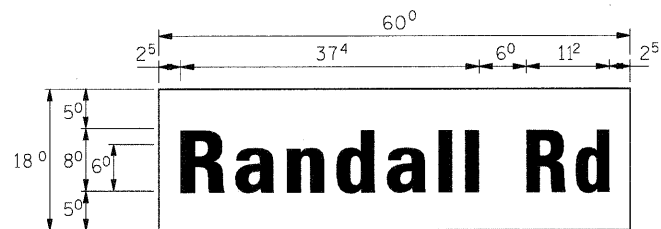
SCHEDULE OF QUANTITIES

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	844
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	8640
DRILL EXISTING HANDHOLE	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5582
REMOVE EXISTING HANDHOLE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	8640
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3

FILE NAME = D:\157287-SHT-TS120-SCHEM.DGN	USER NAME = molopez	DESIGNED - BH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL INTERCONNECT SCHEMATIC RANDALL ROAD FROM WELD ROAD TO HIGHLAND AVENUE	F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 42	
PLOT SCALE = \$SCALE\$	CHECKED - DWW	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
PLOT DATE = 11/29/2011	DATE - 05-09-2011	REVISED -						CONTRACT NO. 63623			

DATE: _____
 BY: _____
 CHECKED: _____
 PLAN NO. _____
 REVISIONS: _____
 DATE: _____

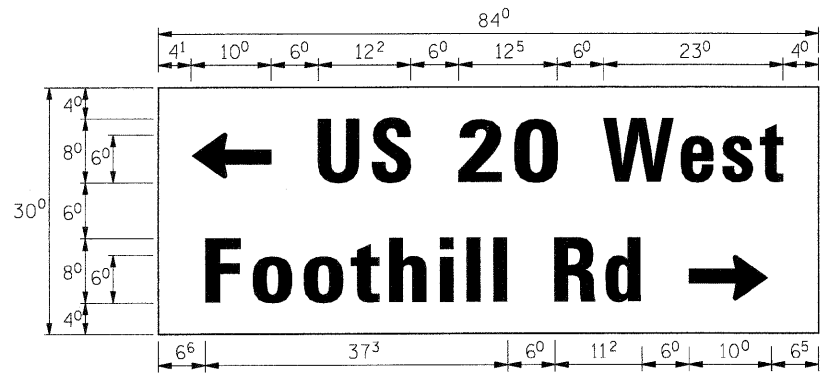
PANEL SIGN DESIGN TYPE 1



MA-1
 7.50 Sq. Ft each
 2 Required
 Design Series D

NOTE:
 THIS SIGN SHALL BE MOUNTED ON THE
 MAST ARM IN ACCORDANCE WITH STANDARD
 720016 OR AS DIRECTED BY THE ENGINEER.
 (BY OTHERS)

PANEL SIGN DESIGN TYPE 2



MA-2
 17.5 Sq. Ft each
 2 Required
 Design Series D

NOTE:
 THIS SIGN SHALL BE MOUNTED ON THE
 MAST ARM IN ACCORDANCE WITH STANDARD
 720016 OR AS DIRECTED BY THE ENGINEER.
 (BY OTHERS)

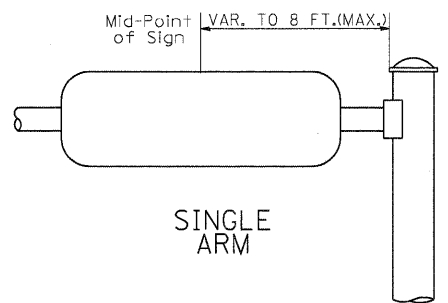
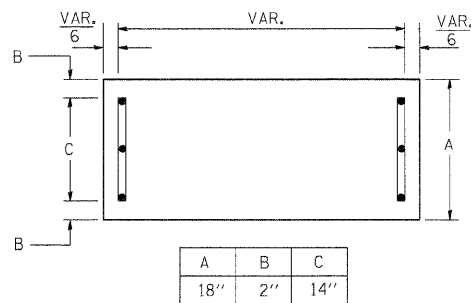
GENERAL NOTES

- 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 HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

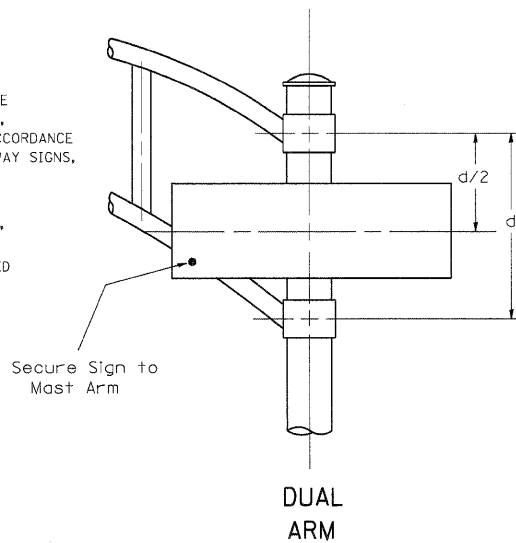
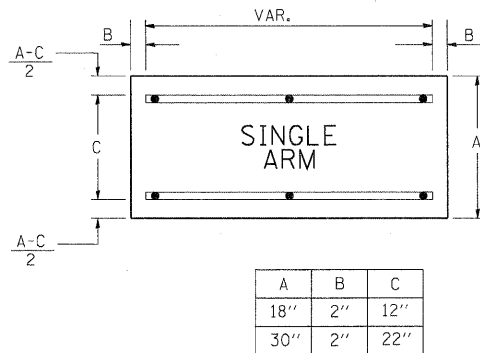
* J.O. HERBERT CO. MIDLOTHIAN, VA. * WESTERN REMAC INC. WOODRIDGE, IL.

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
 BRACKETS PART #HPN034 (UNIVERSAL)
 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.

SUPPORTING CHANNELS



SUPPORTING CHANNELS



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
 Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2 3/8" DENOTES 3/8"

FIRST LETTER	SECOND LETTER															
	ac de goq		bh kl mn pr u		fw		j		st		vy		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case
 Spacing Chart 6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER															
	ac de goq		bh kl mn pr u		fw		j		st		vy		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
ad h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
b f k o p s	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
ce	12	14	16	17	12	14	06	10	03	03	05	06	05	06	06	10
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number
 Spacing Chart 8 Inch Series "C & D"

FIRST LETTER	SECOND LETTER																			
	0		1		2		3		4		5		6		7		8		9	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	14	14	15	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	14	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	14	14	15	16	17	12	14	16	17	14	15	14	15

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	12	14	15	20
2	32	40	43	53
3	32	40	43	53
4	35	43	47	57
5	32	40	43	53
6	32	40	43	53
7	32	40	43	53
8	32	40	43	53
9	32	40	43	53
0	34	42	45	55

DATE: _____
 BY: _____
 CHECKED: _____
 PROFILE NO. _____
 REVISIONS: _____
 DATE: _____

FILE NAME =	USER NAME = malopez	DESIGNED - BH	REVISED -
D:\157207-SHT-TS13-SIGN.DGN		DRAWN - BH	REVISED -
		CHECKED - DWV	REVISED -
		DATE - 05-09-2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLANS
 MAST ARM MOUNTED STREET NAME SIGNS**

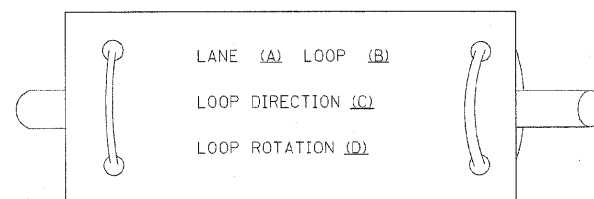
SCALE: _____ SHEET NO. OF SHEETS _____ STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	43
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

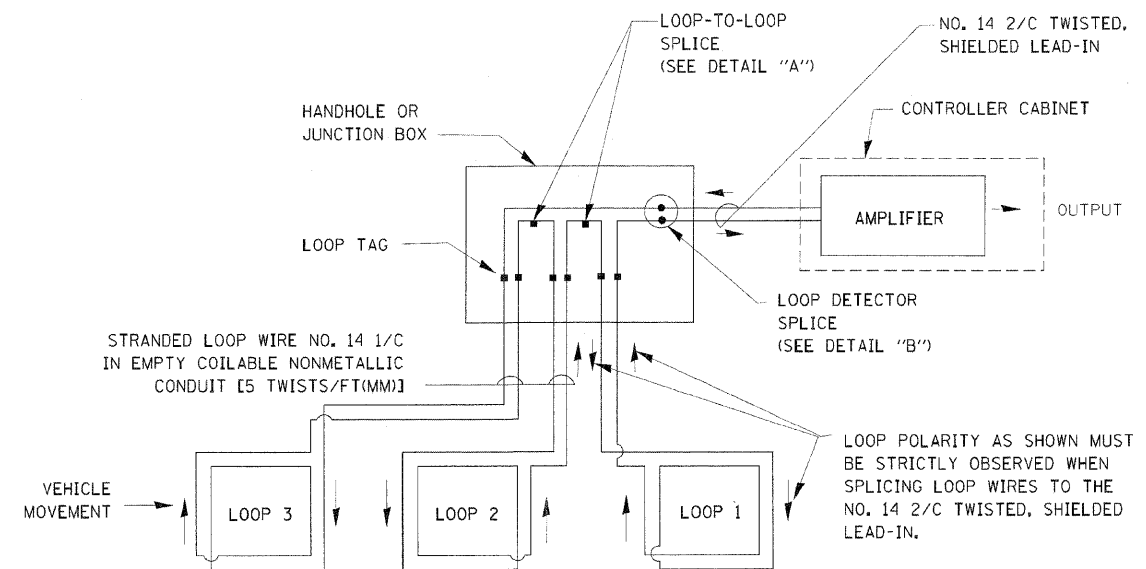
LOOP DETECTOR NOTES

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.

LOOP LEAD-IN CABLE TAG

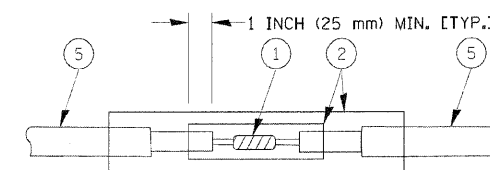


- A. LANE #1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

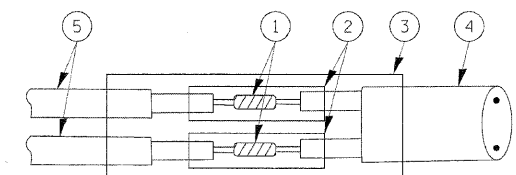


DETECTOR LOOP WIRING SCHEMATIC

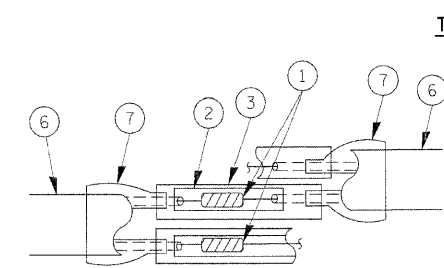
- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm), IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



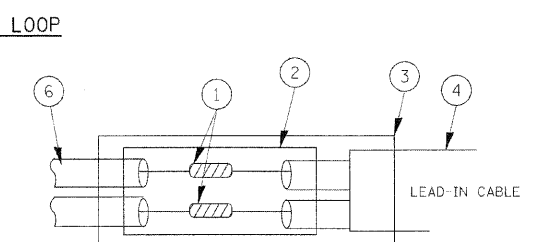
DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

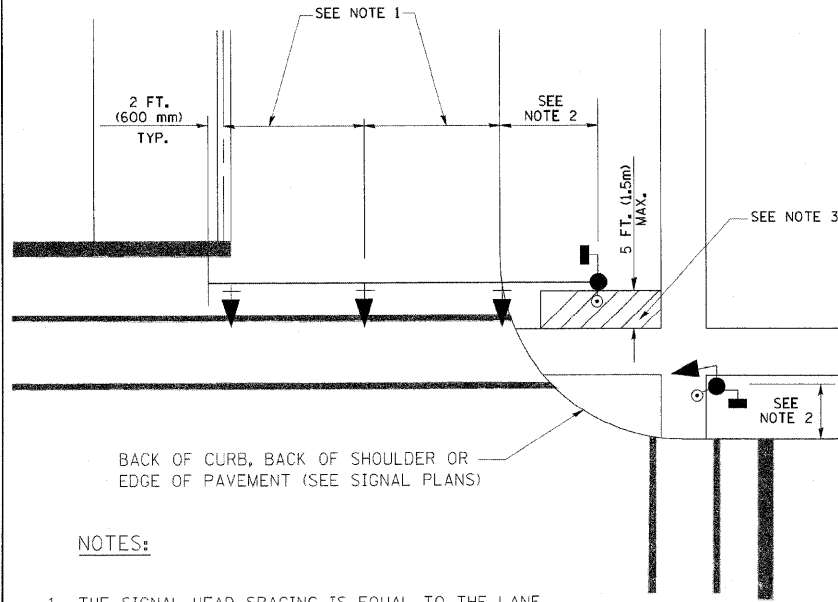
LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- 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

FILE NAME =	USER NAME = kanthaphixnybc	DESIGNED - DAD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 44
CONTRACT NO. 63623	TRAFFIC LEGEND V7.DGN	DRAWN - BCK	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
	PLOT SCALE = 20,0000 "/ IN.	CHECKED - DAD	REVISED -									
	PLOT DATE = 10/6/2009	DATE 10/28/09	REVISED									

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

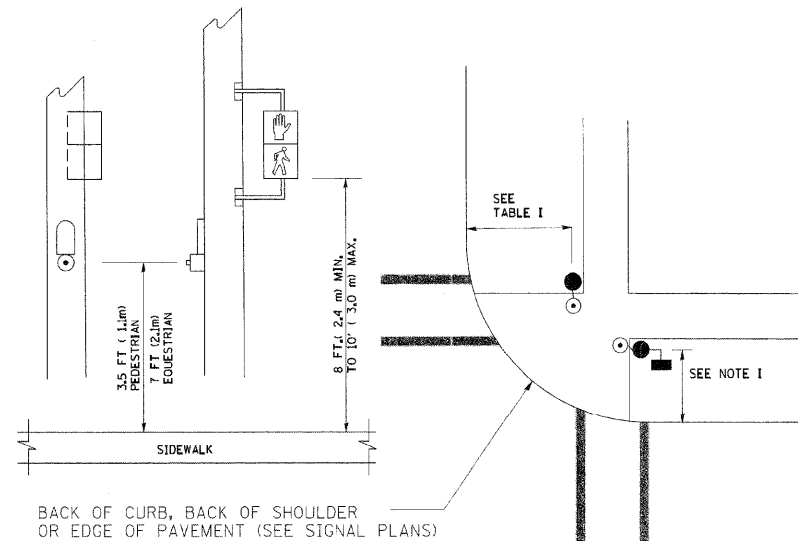
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

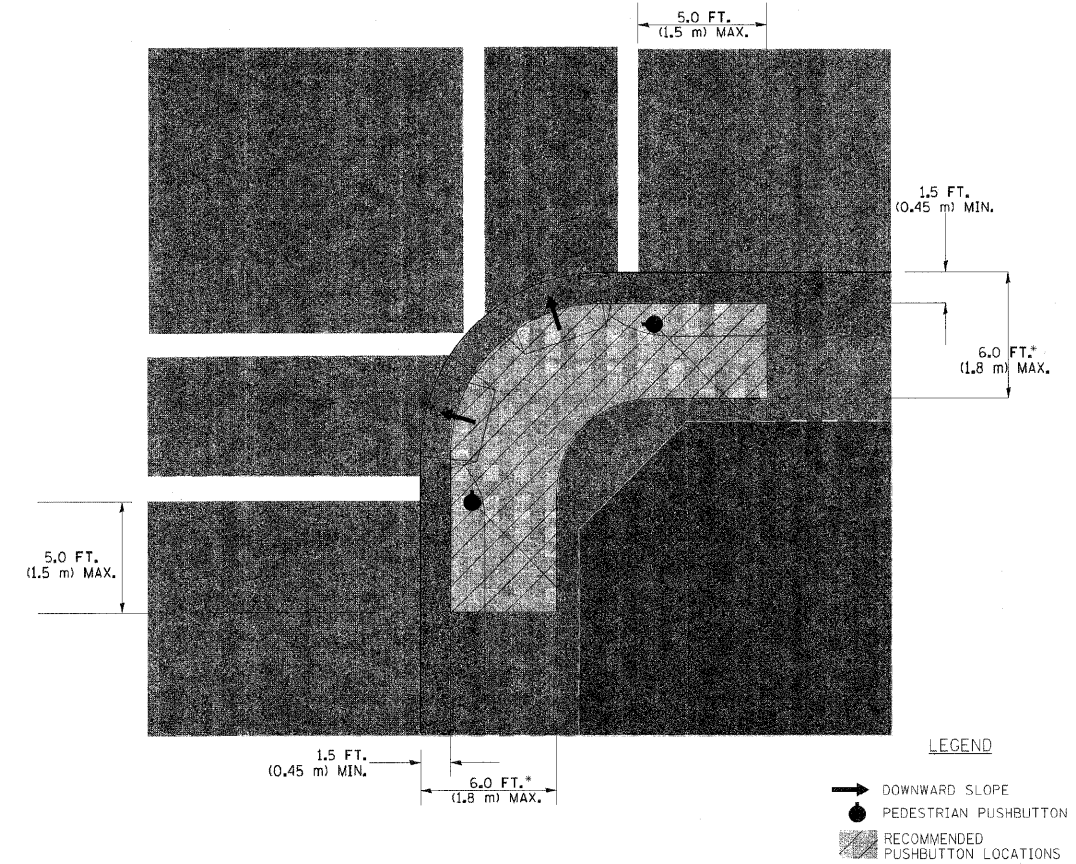
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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



- 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:

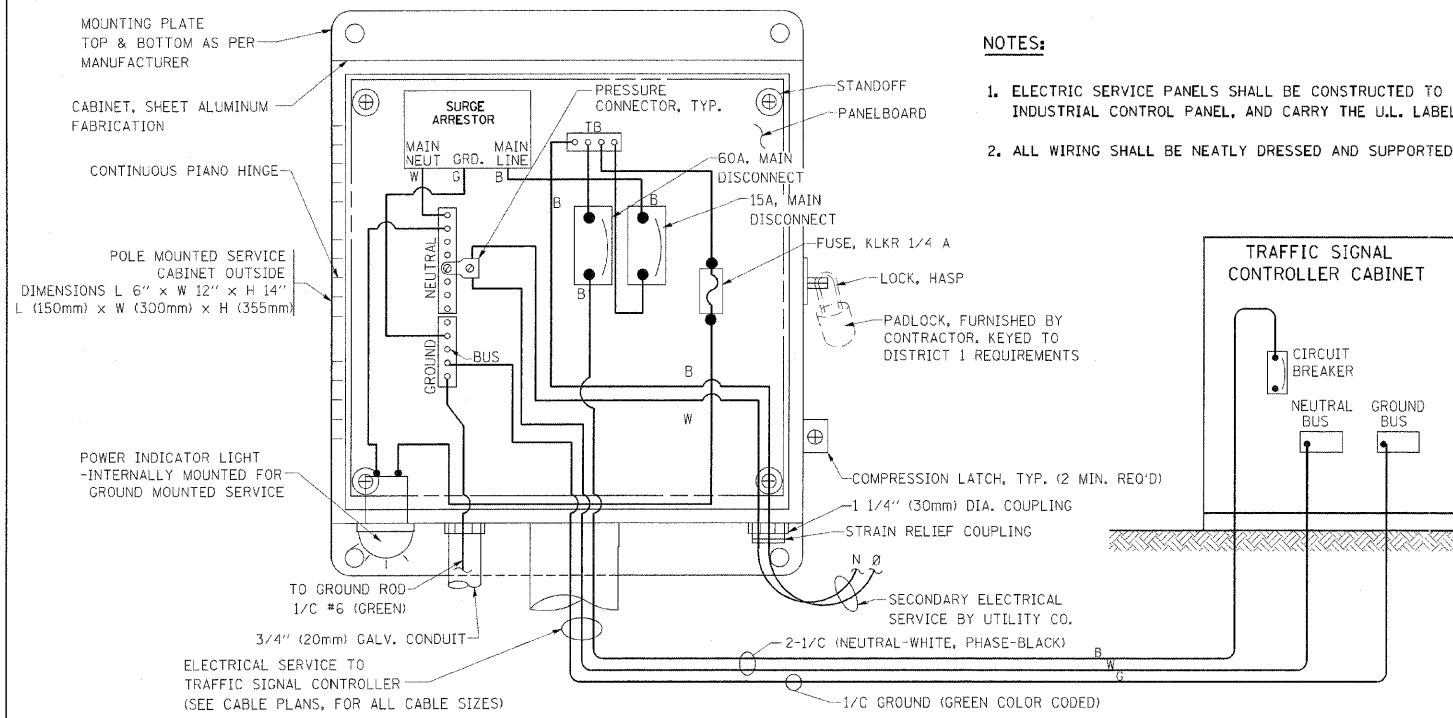
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM 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

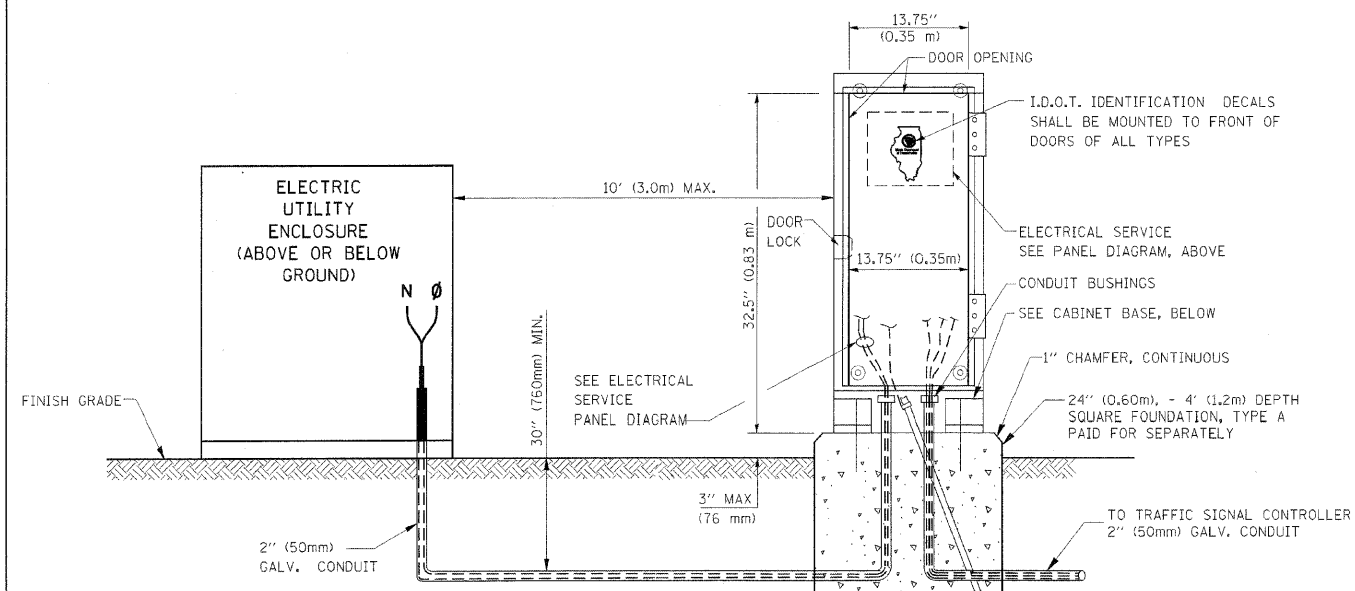
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 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.

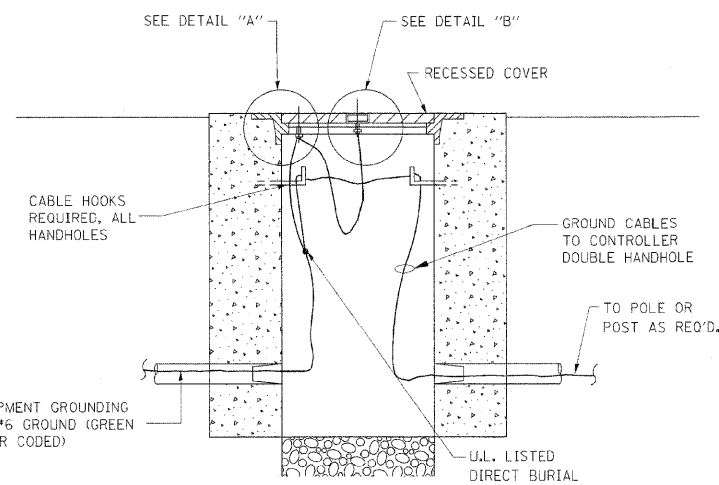
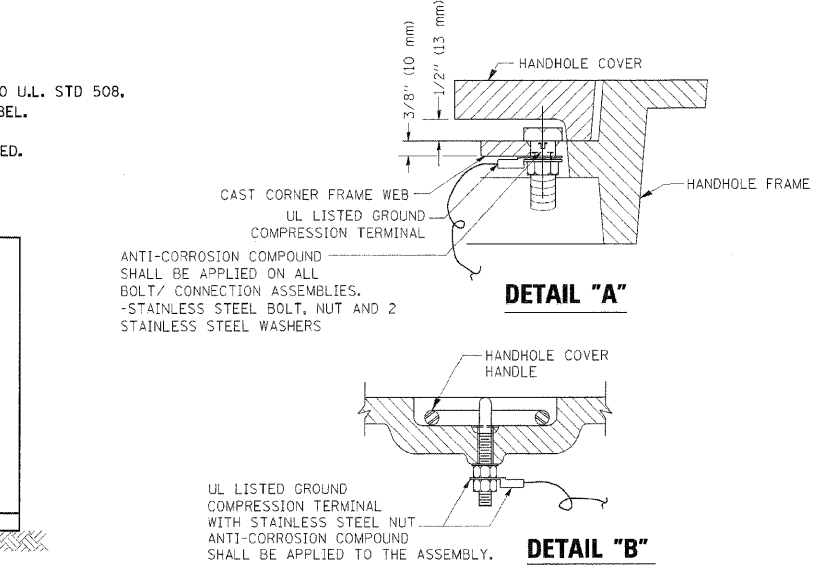
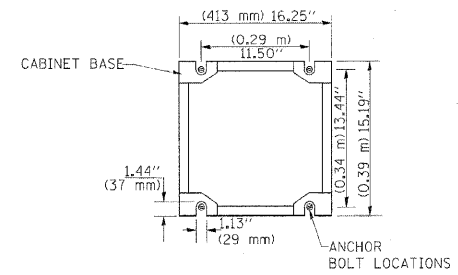


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

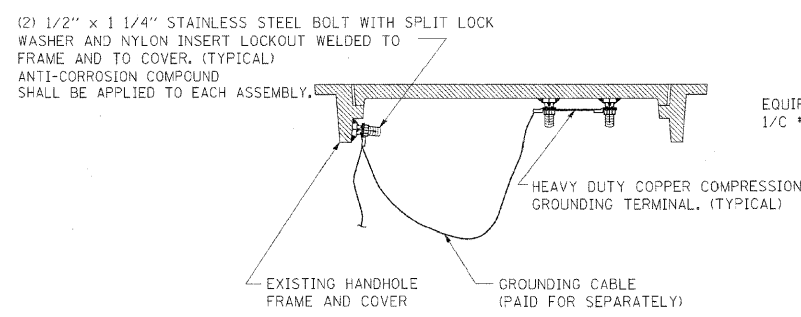


SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

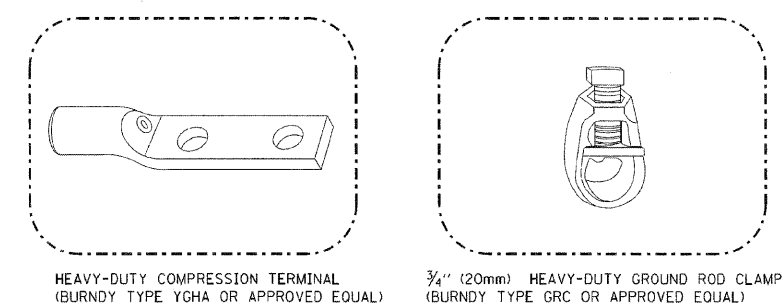
CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)



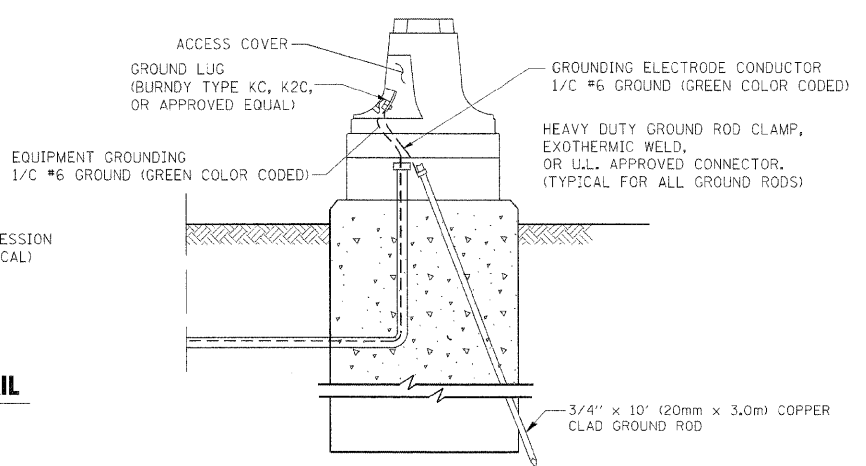
HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)



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



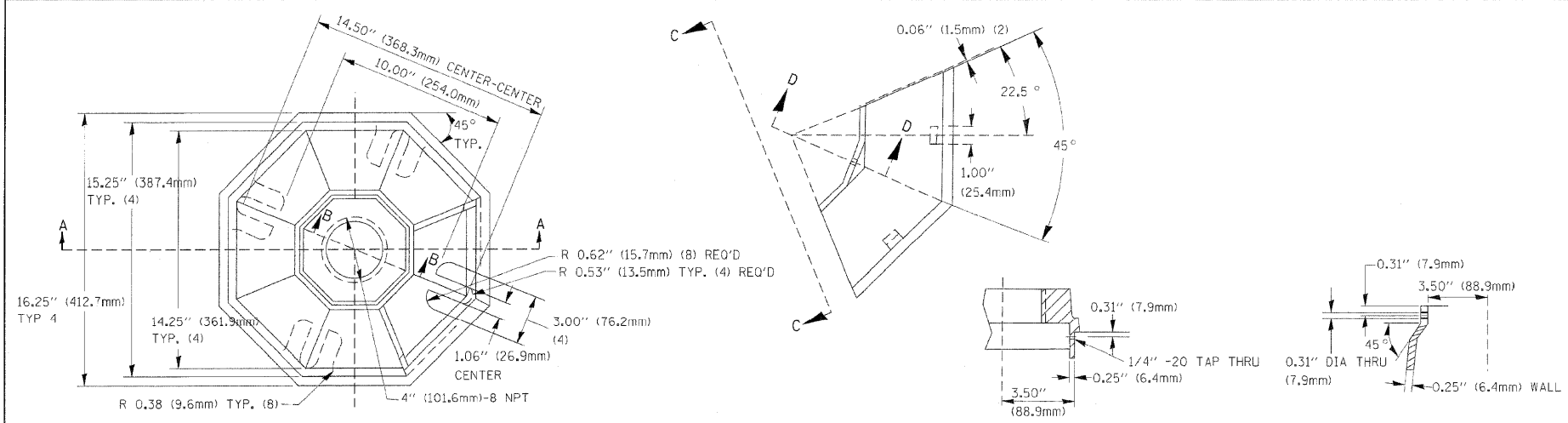
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



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

NOTES:
GROUNDING SYSTEM

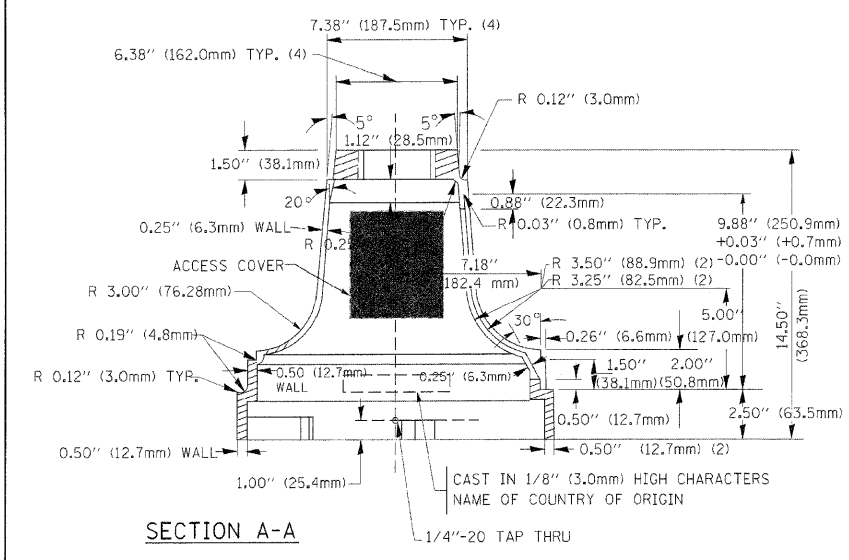
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, 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.



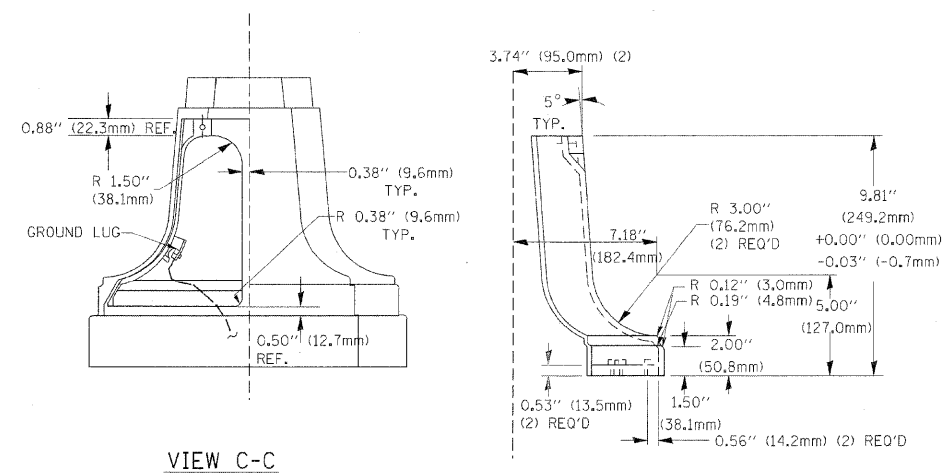
TOP VIEW

SECTION B-B

SECTION D-D

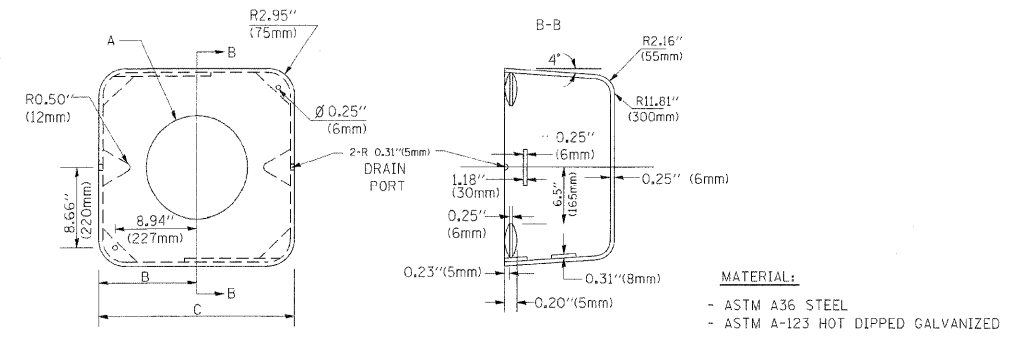


SECTION A-A



VIEW C-C

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A

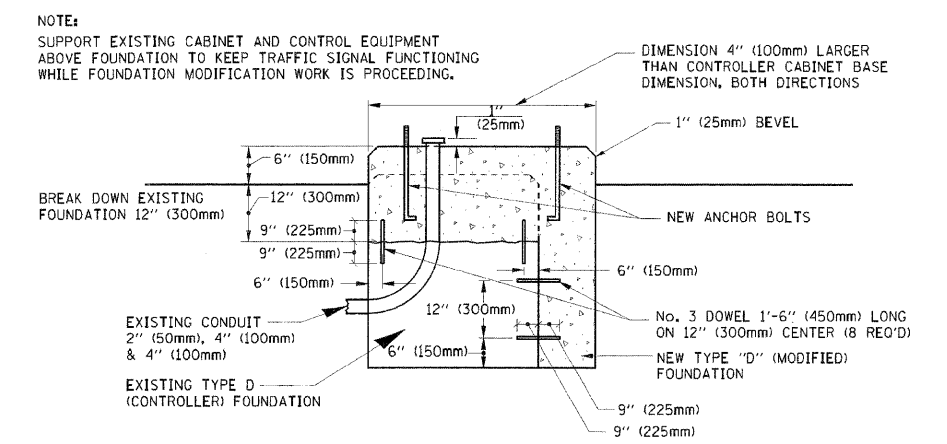


SHROUD

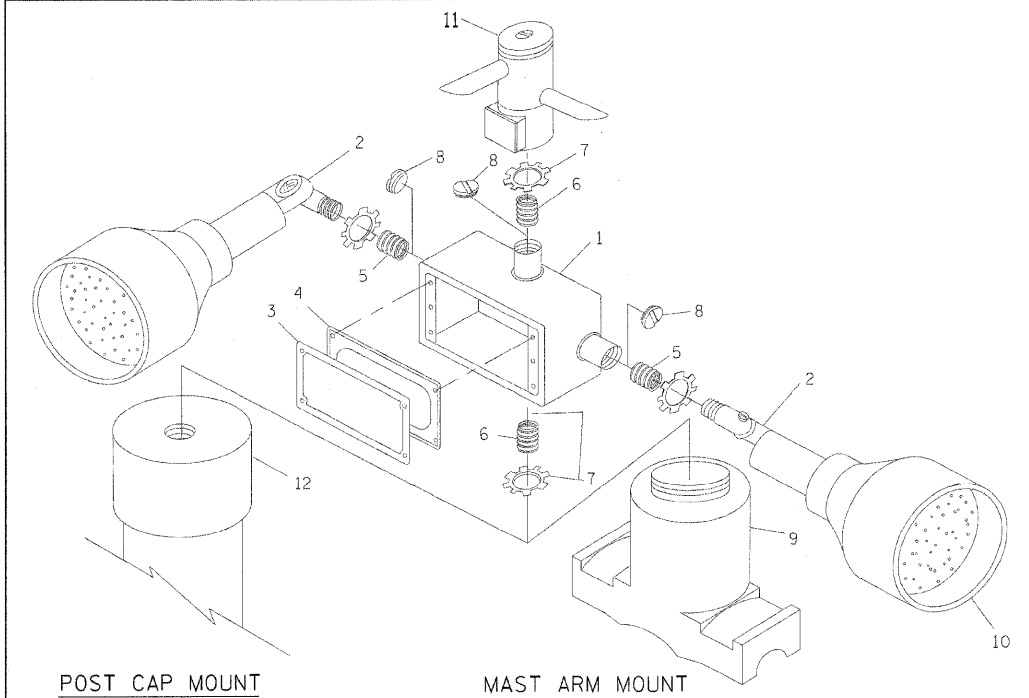
A	B	C	HEIGHT	WEIGHT
VARIES	9.5\" (241mm)	19\" (483mm)	7\" (178mm) - 12\" (300mm)	53 lbs (24kg)
VARIES	10.75\" (273mm)	21.5\" (546mm)	7\" (178mm) - 12\" (300mm)	68 lbs (31 kg)
VARIES	13.0\" (330mm)	26\" (660mm)	7\" (178mm) - 12\" (300mm)	81 lbs (37 kg)
VARIES	18.5\" (470mm)	37\" (940mm)	7\" (178mm) -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

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.



MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

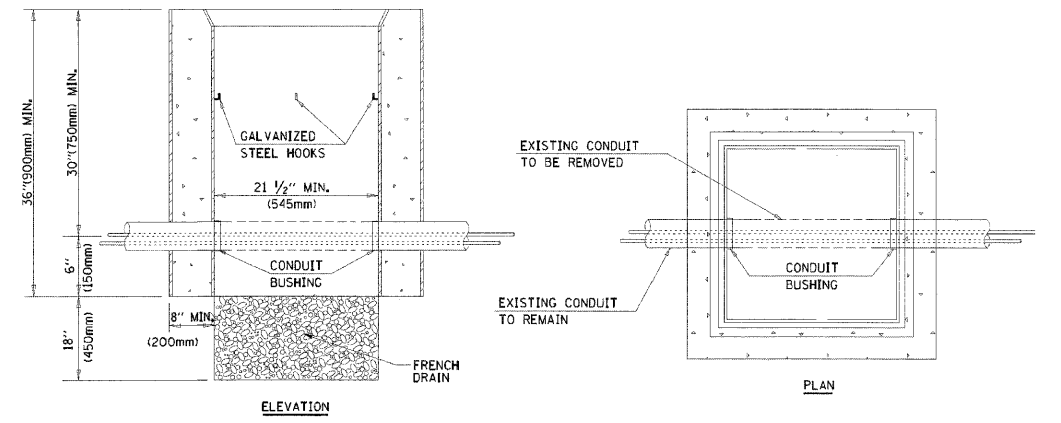
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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:

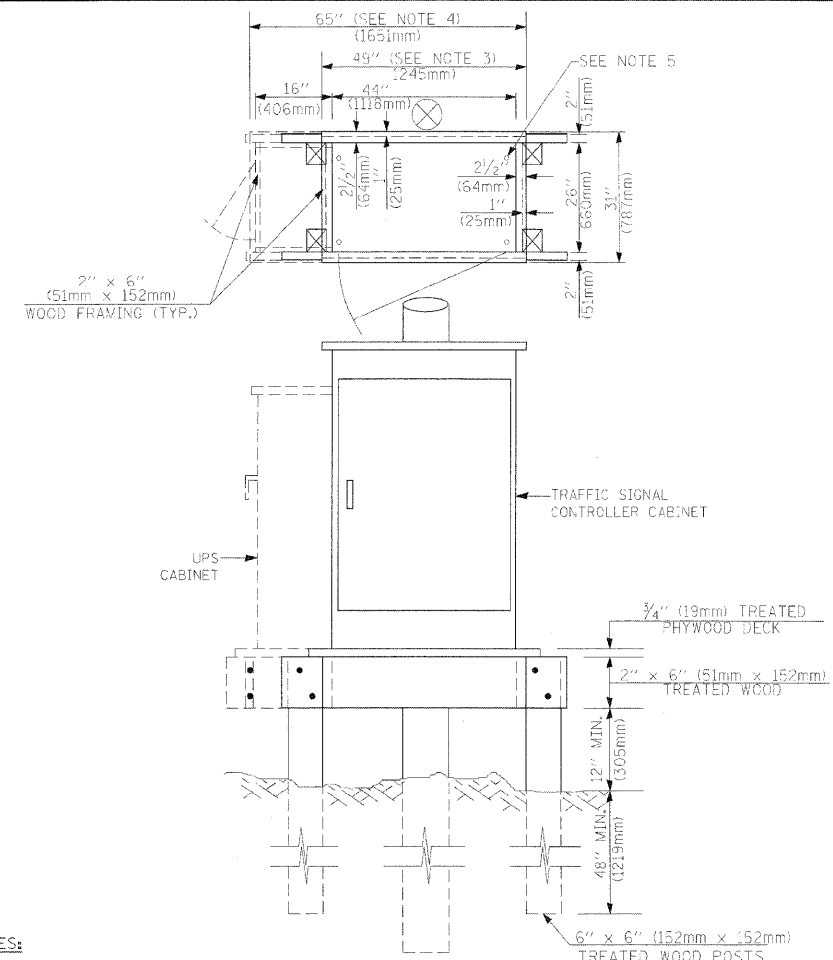
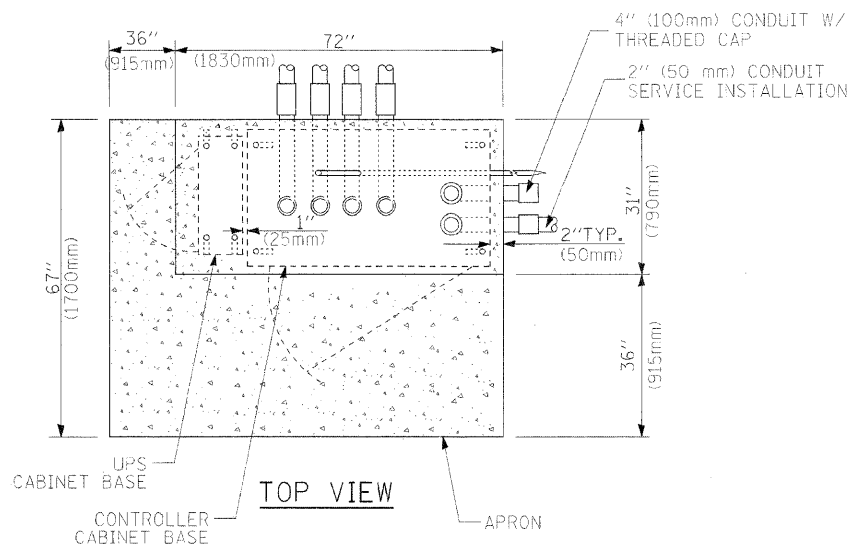
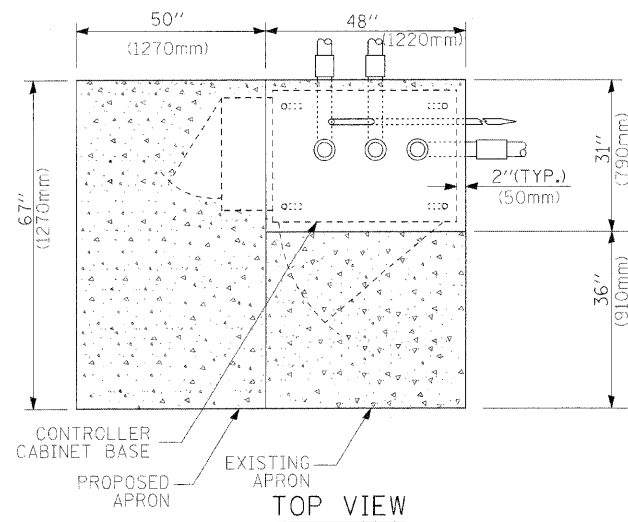
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE 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.



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 INCIDENTAL TO THE HANDHOLE.

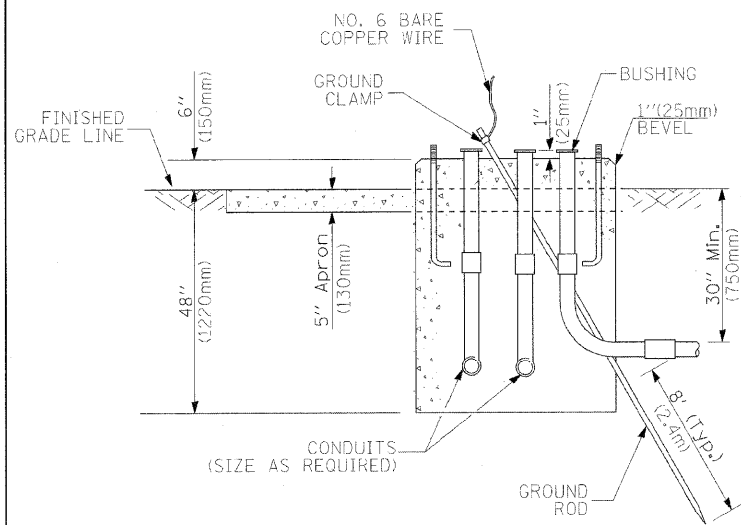
HANDHOLE TO INTERCEPT EXISTING CONDUIT



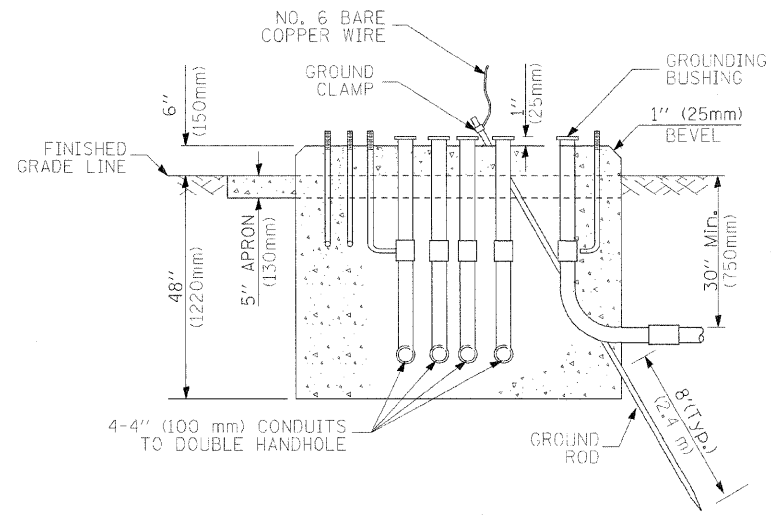
NOTES:

1. 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.
2. 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.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. 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.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM



TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



TYPE C FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET

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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

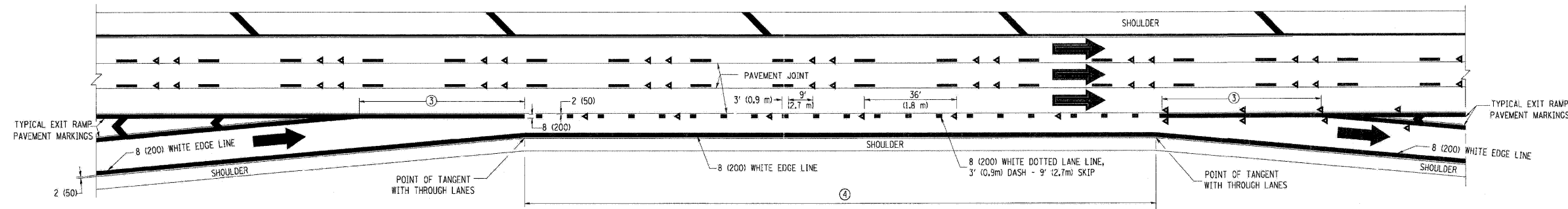
NOTES:

1. 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.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001.

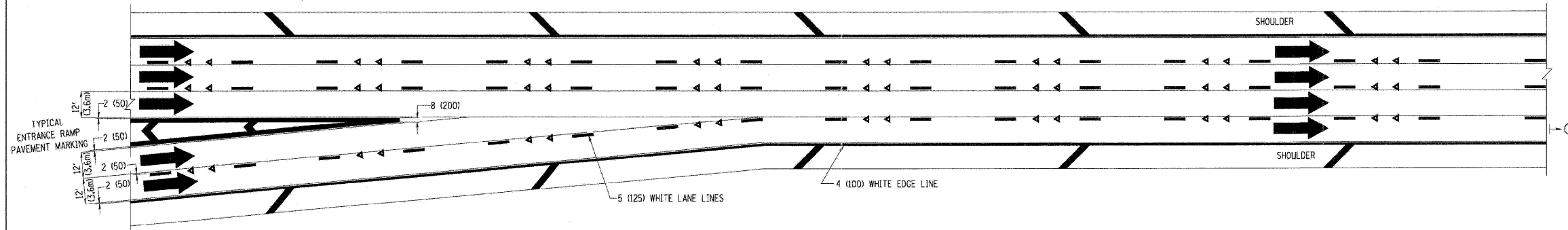
DEPTH OF MAST ARM FOUNDATIONS, TYPE E

DATE	
BY	
SURVEYED	
ALIGNMENT CHECKED	
GRADES CHECKED	
NOTE BOOK	
NO. OF SHEETS	
PLANNED FILE NAME	
NO.	

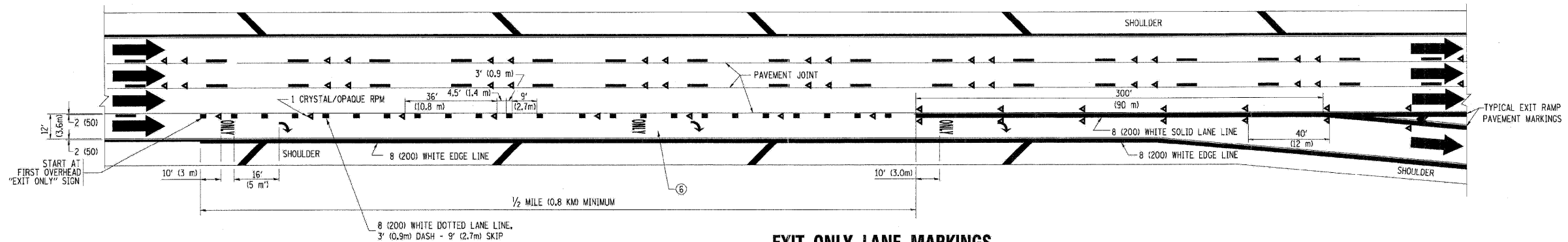
DATE	
BY	
SURVEYED	
GRADES CHECKED	
NOTE BOOK	
NO. OF SHEETS	
PLANNED FILE NAME	
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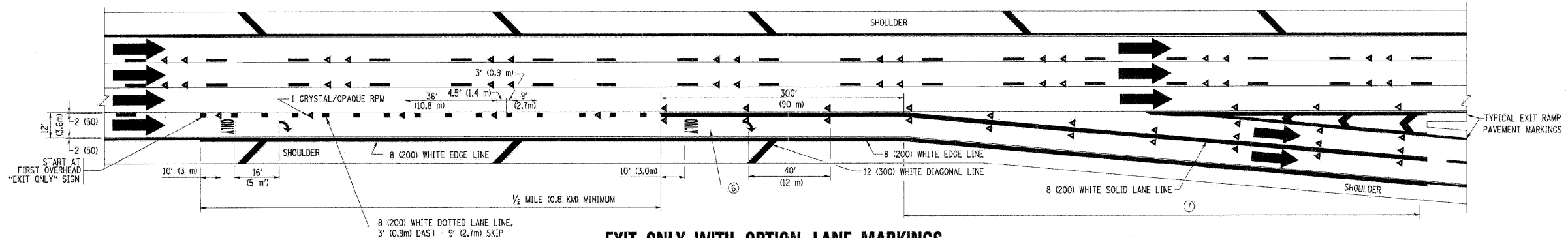
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING, FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

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et:\pwork\p\DOT\LEYSAN\0108315\et12.dgn		DRAWN -	REVISED - J.A.F. 02-06
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	PLLOT DATE = 1/22/2018	DATE - 01-90	REVISED - S.P.B. 01-10

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			
SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TC-12		CONTRACT NO.		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

FILE NAME =	USER NAME = malopez	DESIGNED - ML	REVISED -
D1157207-SHT-DET-02.dgn		DRAWN - BH	REVISED -
	PLLOT SCALE = *SCALE*	CHECKED - DW	REVISED -
	PLLOT DATE = 10/24/2011	DATE - 04-04-11	REVISED -

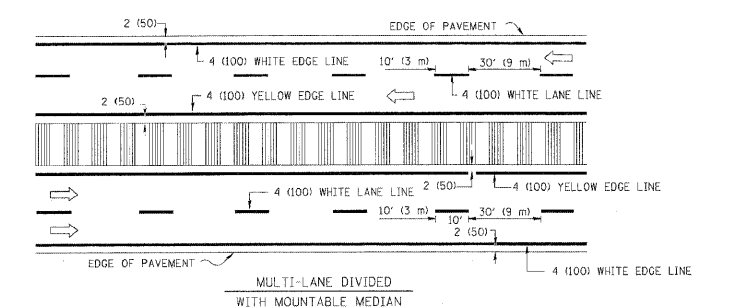
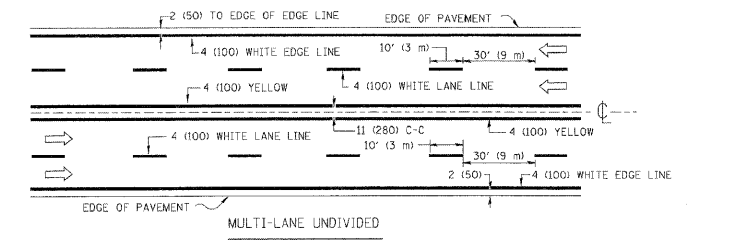
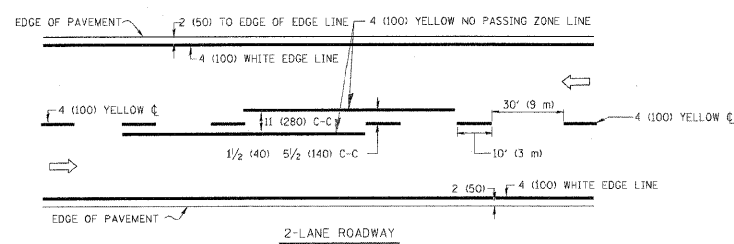
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) MISCELLANEOUS DETAILS			
SCALE: NTS	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63623		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT		

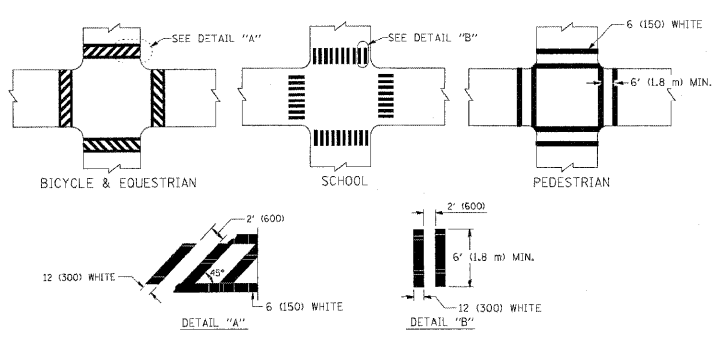
DATE: _____
 BY: _____
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 ALIGNED _____
 CHECKED _____
 P.T. OF WAY CHECKED _____
 PLOT NO. _____

DATE: _____
 BY: _____
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 GRADES CHECKED _____
 B.M. NOTED _____
 STRUCTURE NOTATIONS CHECKED _____
 PLOT NO. _____

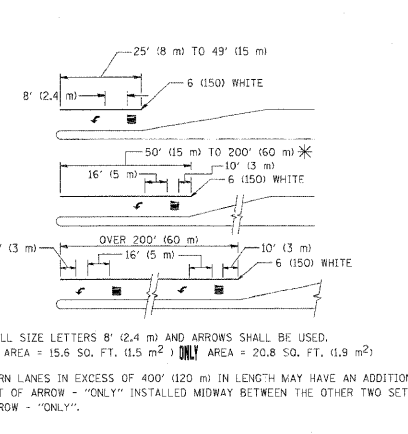
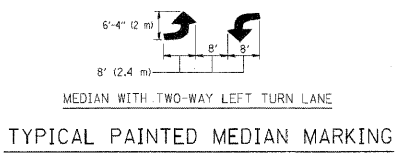
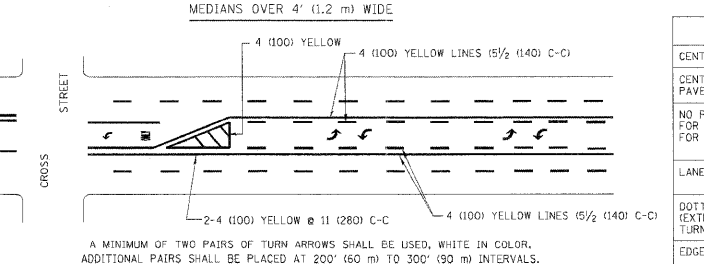
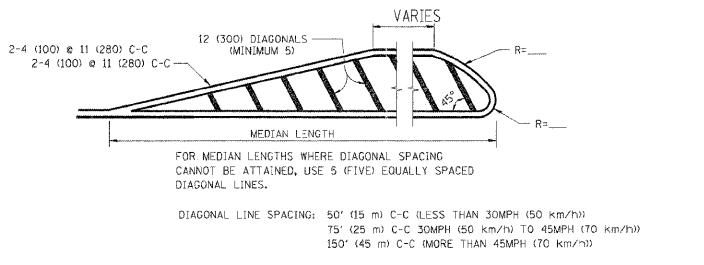
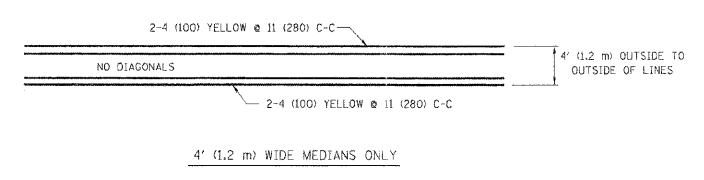


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

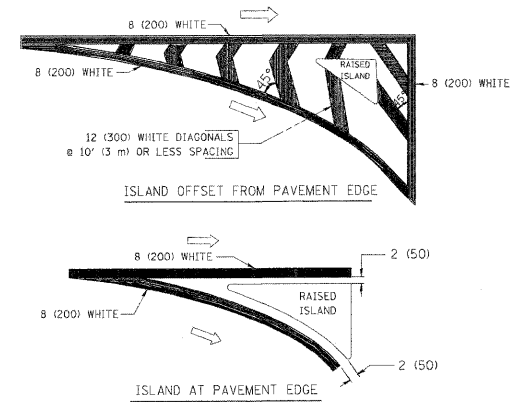
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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 MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 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; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN A, DIAGONALS (BINE & 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 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.
CORE 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: "RR"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

FILE NAME =	USER NAME = drivakoegn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
drivakoegn\p\dot\drivakoegn\188315\...	3.dgn	DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50,000 / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS SHEET NO.
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TC-13 CONTRACT NO.
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

FILE NAME =	USER NAME = melopez	DESIGNED - ML	REVISED -
01157207-SHT-DET-03.DGN		DRAWN - BH	REVISED -
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	PLOT DATE = 10/24/2011	DATE - 05-03-11	REVISED -

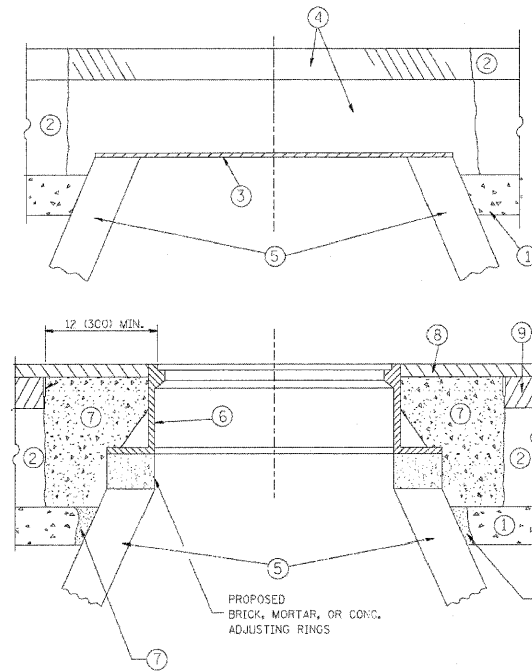
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)			
MISCELLANEOUS DETAILS			
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS SHEET NO.
SCALE: NTS	SHEET NO. 3 OF 7 SHEETS	STA. TO STA.	92 51
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS SHEET NO.
336	06-00345-00-CH	KANE	92 51
BD-32 CONTRACT NO. 63623			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	CHECKED	
	PT. OF WAY CHECKED	
	ROAD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	B.M. NOTED	
	STRUCTURE NOTATIONS CHECKED	



NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-1* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL" NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = loyso	DESIGNED - R. SHAH	REVISED - A. ABBAS 03-21-97
cs:\pwwork\psidot\lajsa\40101315\4d89.dwg		DRAWN -	REVISED - R. WIEDEMAN 05-14-04
		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 10-25-94	REVISED - R. BORO 03-09-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD600-03 (BD-B)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT

FILE NAME =
D1157207-SHT-DET-04.DGN

USER NAME = molopez	DESIGNED - ML	REVISED -
	DRAWN - BH	REVISED -
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	DATE - 05-03-11	REVISED -

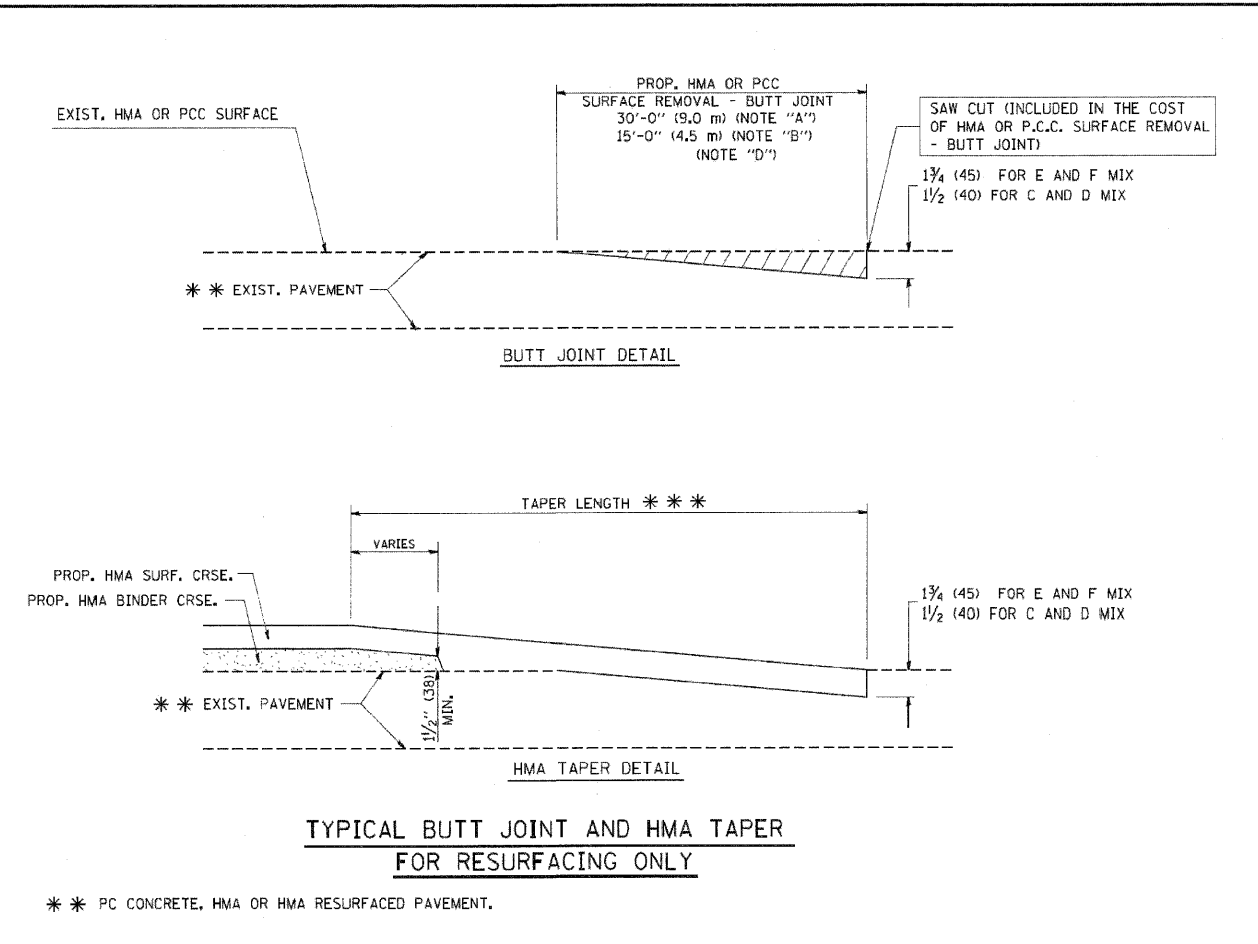
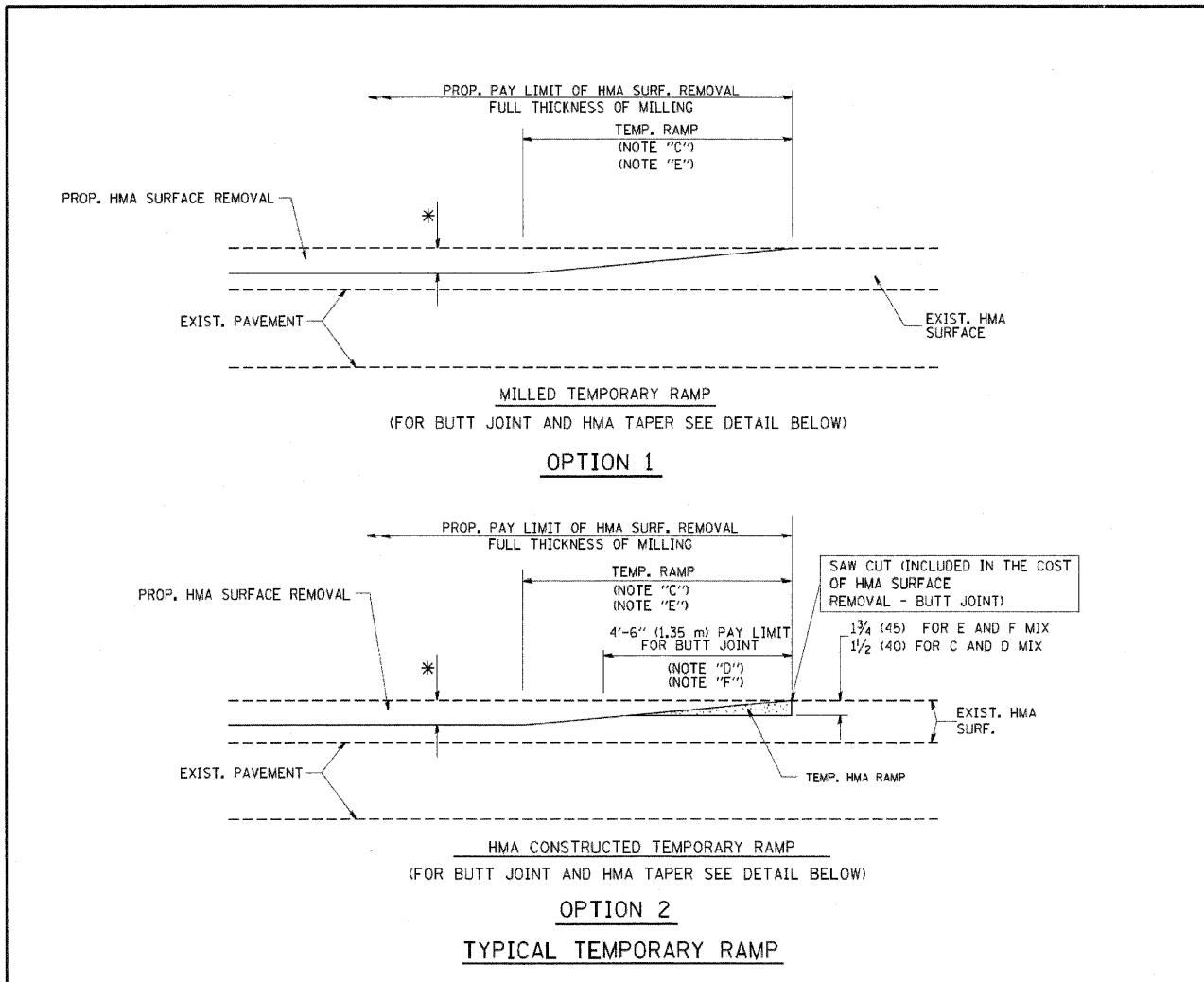
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
MISCELLANEOUS DETAILS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	52
SCALE: NTS	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT
				CONTRACT NO. 63623

DATE	
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ALIGNED	
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NOTE BOOK	
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PROFILE	
SURVEYED	
GRADES CHECKED	
NO. OF PAGES	
DATE	
BY	
NOTE BOOK	
NO.	



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 COURSE.
 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.

FILE NAME = W:\data\22-34\bd32.dgn	USER NAME = gogliobst	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD400-05	BD32	CONTRACT NO.
		CHECKED -	REVISED - M. GOMEZ 04-06-01		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
		DATE - 06-13-90	REVISED - R. BORO 01-01-07								

FILE NAME = D1157287-SHT-DET-05.DGN	USER NAME = melopez	DESIGNED - ML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) MISCELLANEOUS DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN - BH	REVISED -		SCALE: NTS	SHEET NO. 5 OF 7 SHEETS	STA.	TO STA.	336	06-00345-00-CH	KANE	92	53
		CHECKED - DW	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								
		DATE - 05-03-11	REVISED -		CONTRACT NO. 63623								

DATE	
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PROFILE	
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PROFILE	
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PROFILE	
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STABILIZED CONSTRUCTION ENTRANCE PLAN

PLAN VIEW

SIDE ELEVATION

NOTES:

- Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
- Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
- Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
- If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE: Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
Natural Resources Conservation Service

STANDARD DWG. NO. IL-630
SHEET 1 OF 2
DATE 8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN

SECTION A-A

SECTION B-B

REFERENCE: Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

NRCS
Natural Resources Conservation Service

STANDARD DWG. NO. IL-630
SHEET 2 OF 2
DATE 8-18-94

TEMPORARY SEDIMENT TRAP

CROSS SECTION

STONE SECTION

NOTES:

- If the sediment pool is formed or enlarged the side slope will be 2:1 or flatter.
- The fill shall be constructed using IDOT RR-4 stone size. A 1' layer of IDOT CA-2 should be placed on the inside face to reduce the flow rate.
- The rock will be placed according to construction specification 25 ROCKFILL. Placement will be by Method 1 and compaction will be class III.
- The geotextile shall meet the requirements in material specification 592 GEOTEXTILE table 1 or 2, class I, II or IV.

REFERENCE: Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____

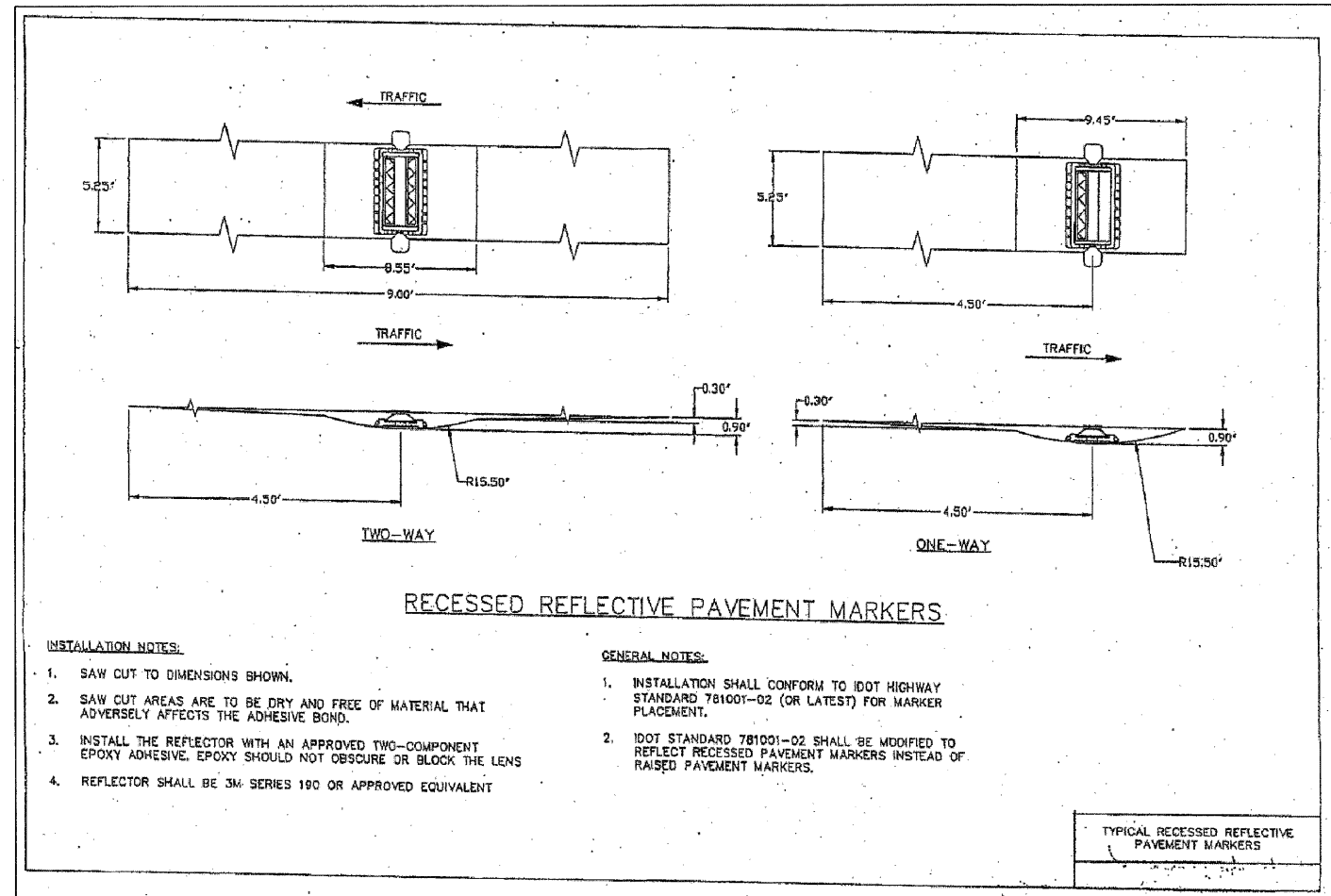
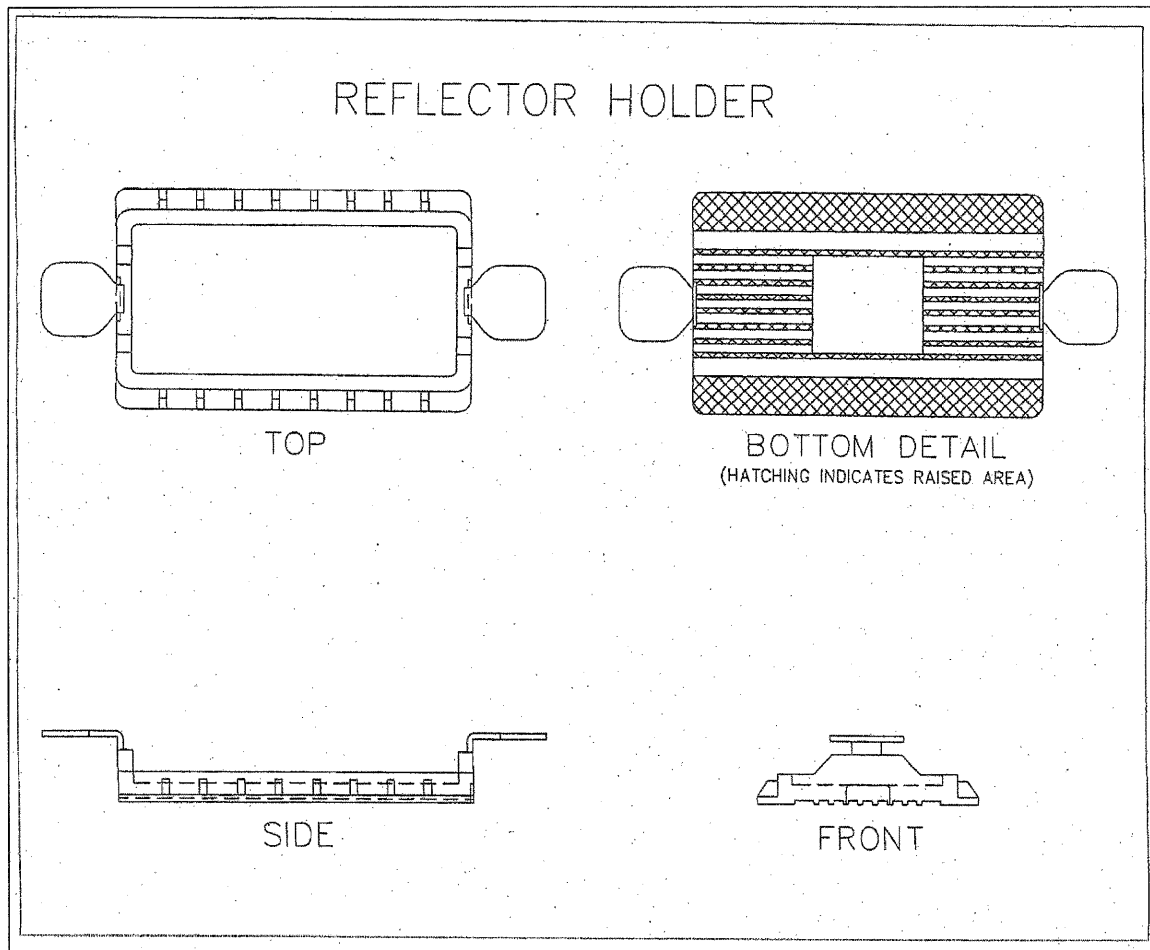
NRCS
Natural Resources Conservation Service

STANDARD DWG. NO. IL-660
SHEET 1 OF 1
DATE 11-20-01

TEMPORARY ACCESS CULVERT

PLAN	DATE
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ALIGNED	CHECKED
BY	NO.
NOTE BOOK	
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SURVEYED	BY
CHECKED	
GRADES	CHECKED
BY	NO.
NOTE BOOK	
NO.	
STRUCTURE NOTATIONS	



FILE NAME =
DI1157207-SHT-DET-07.DGN

USER NAME = malopez	DESIGNED - ML	REVISIONS
	DRAWN - BH	REVISIONS
PLOT SCALE = #SCALE#	CHECKED - DW	REVISIONS
PLOT DATE = 10/24/2011	DATE - 05-03-11	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

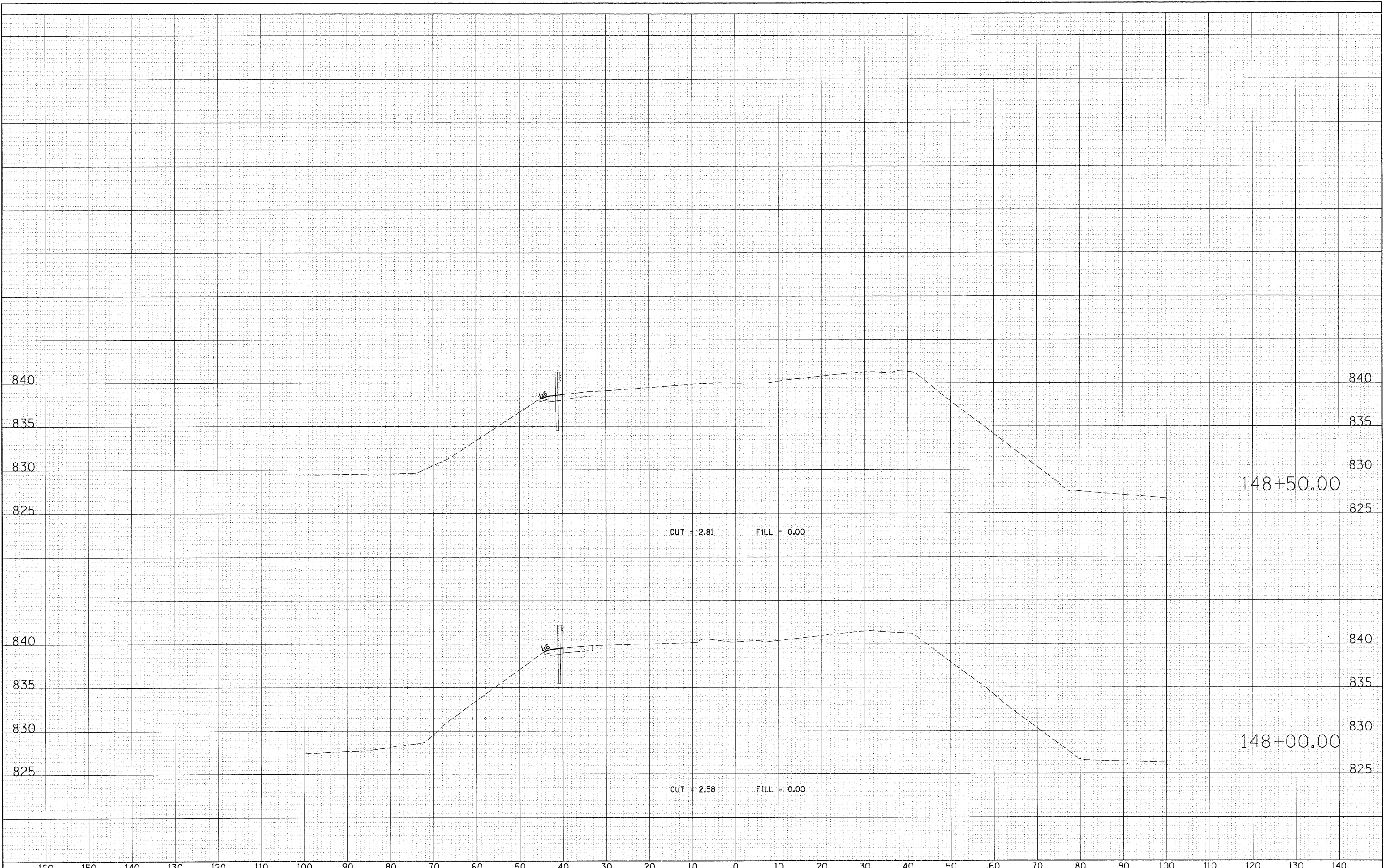
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
MISCELLANEOUS DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	59
BD-32		CONTRACT NO. 63623		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
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TEMPLATE	
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AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	



FILE NAME =	DI157207_SHT_XS_RANDALL.DGN			
USER NAME =	malopez			
DESIGNED	-	REVISED	-	
DRAWN	-	REVISED	-	
PLOT SCALE =	SCALE*			
PLOT DATE =	10/24/2011			
DATE	-	REVISED	-	

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

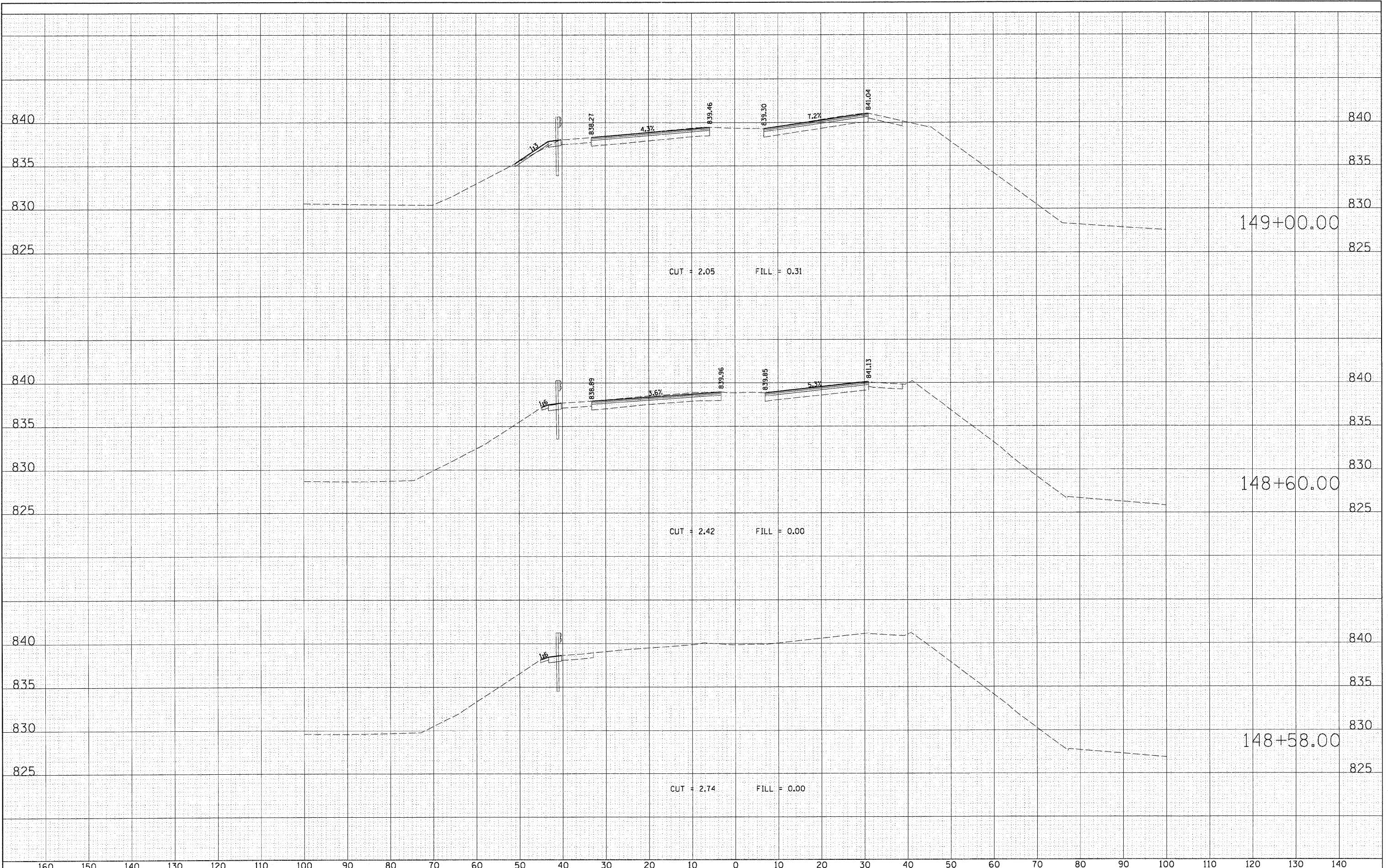
RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
CROSS SECTION SHEET - RANDALL ROAD

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 148+00.00 TO STA. 148+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	56
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	DATE
SURVEY	BY	
NOTE BOOK		
NO.		

ORIGINAL	SURVEYED	DATE
SURVEY	BY	
NOTE BOOK		
NO.		



FILE NAME = D:\157207_SHT_XS_RANDALL.DGN

USER NAME = mlopez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = *SCALE*	CHECKED -	REVISED -
PLOT DATE = 10/24/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

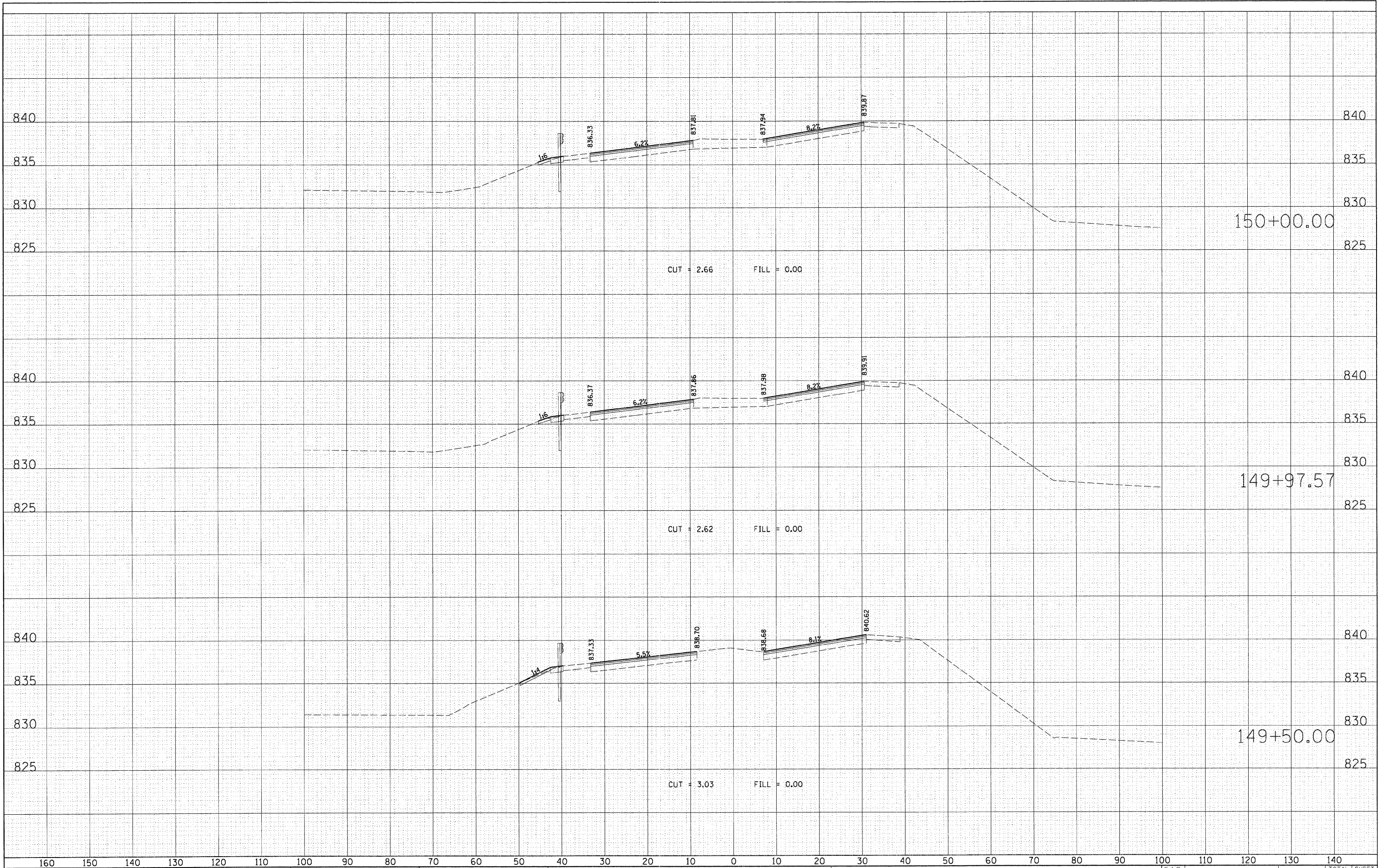
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
CROSS SECTION SHEET - RANDALL ROAD**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 148+58.00 TO STA. 149+00.00

F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 57
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = D:\157287_SHT.XS.RANDALL.DGN

USER NAME = mlopez
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISÉ -
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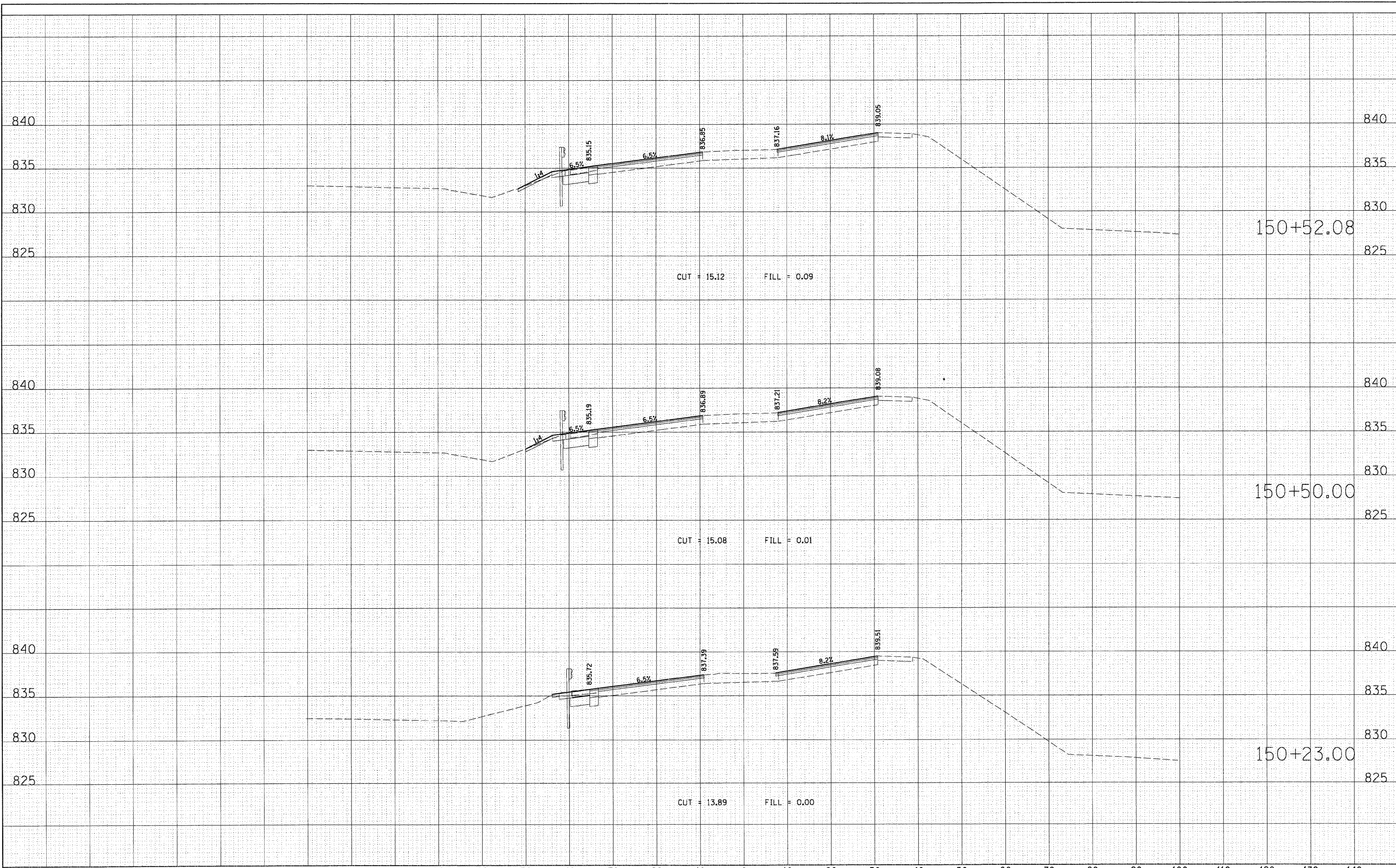
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
 CROSS SECTION SHEET - RANDALL ROAD**
 SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 149+50.00 TO STA. 150+00.00

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	58
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

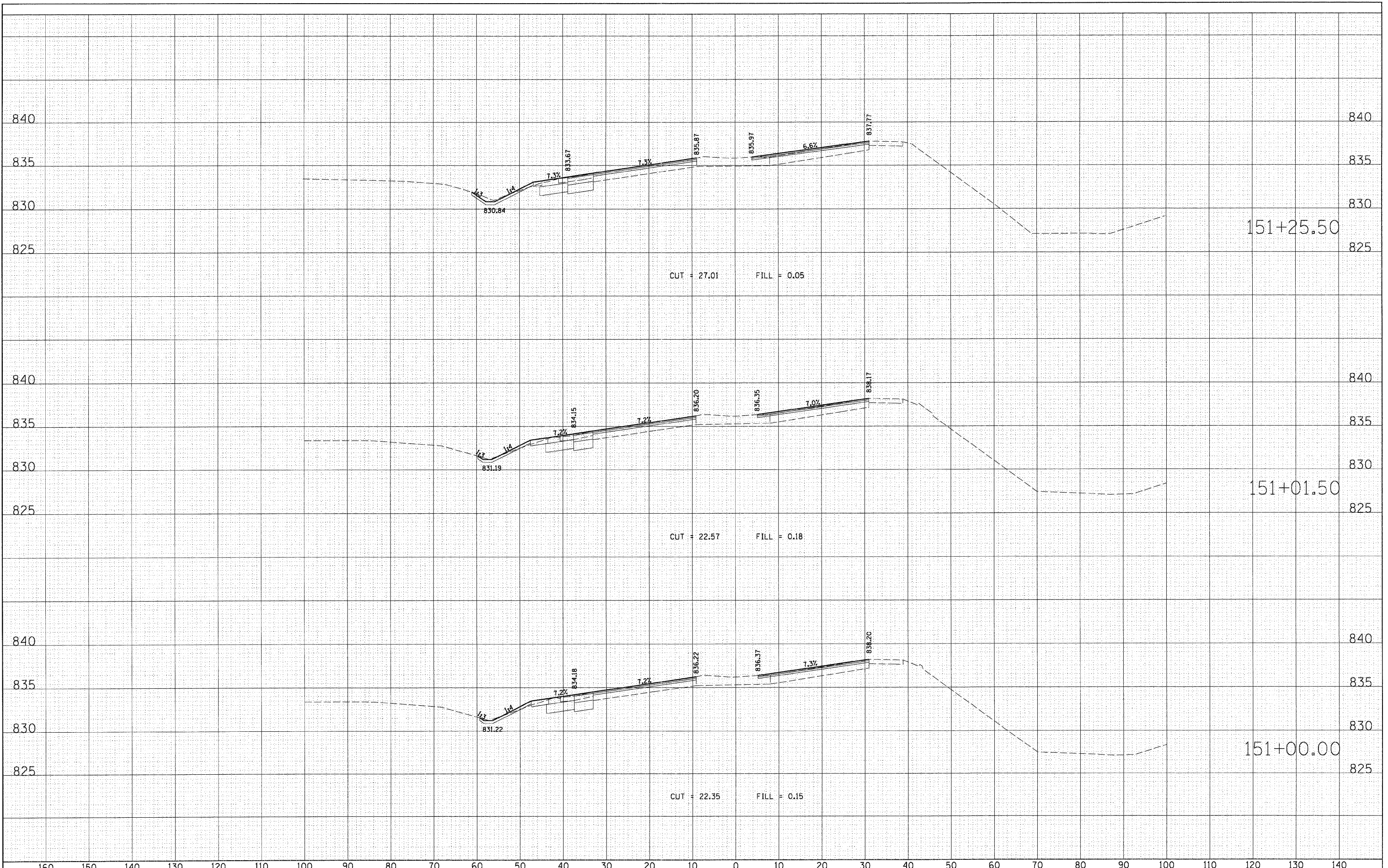
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	TEMPLATE	BY
NO.	AREAS CHECKED	



FILE NAME = D:\157207.SHT.XS_RANDALL.DGN	USER NAME = mlopez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) CROSS SECTION SHEET - RANDALL ROAD			F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 59
	PLOT SCALE = 1/8" = 10'	DRAWN -	REVISED -		SCALE: 1" = 10'	SHEET NO.	OF	SHEETS	STA. 150+23.00	TO STA. 150+52.08	CONTRACT NO. 63623	
	PLOT DATE = 10/24/2011	CHECKED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

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

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



FILE NAME = D:\157207_SHT_XS_RANDALL.DGN
 USER NAME = malopez
 PLOT SCALE = 1/4" = 10'
 PLOT DATE = 10/24/2011

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

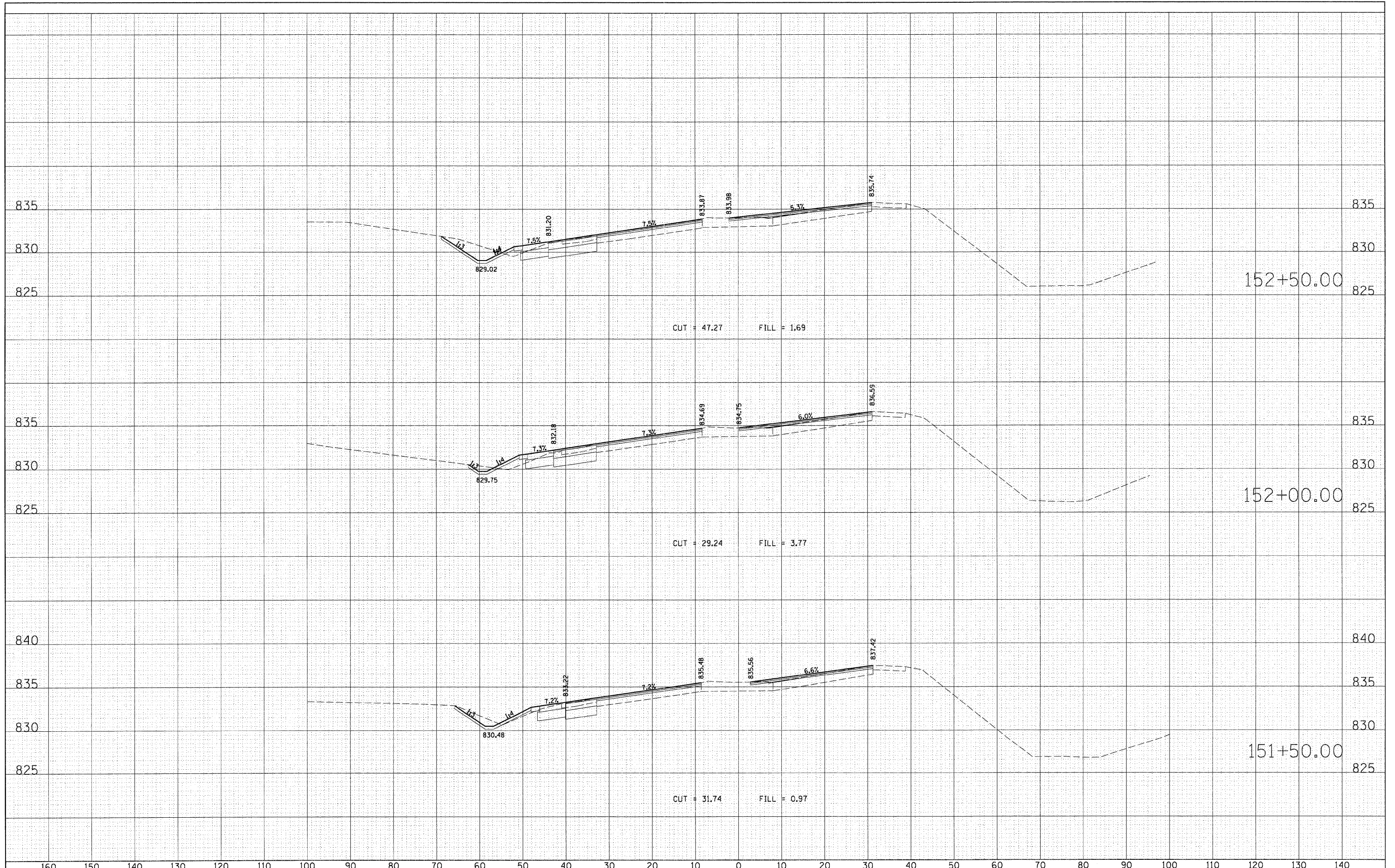
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
 CROSS SECTION SHEET - RANDALL ROAD**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 151+00.00 TO STA. 151+25.50

F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 60
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	DATE
SURVEY	TEMPLATE	
NOTE BOOK	AREAS CHECKED	
NO.		

ORIGINAL	SURVEYED	DATE
SURVEY	TEMPLATE	
NOTE BOOK	AREAS CHECKED	
NO.		



FILE NAME = D:\1157207.SHT.XS.RANDALL.DGN

USER NAME = molopez	DESIGNED -	REVISED -
PLOT SCALE = 1/4" = 1'	DRAWN -	REVISED -
PLOT DATE = 10/24/2011	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

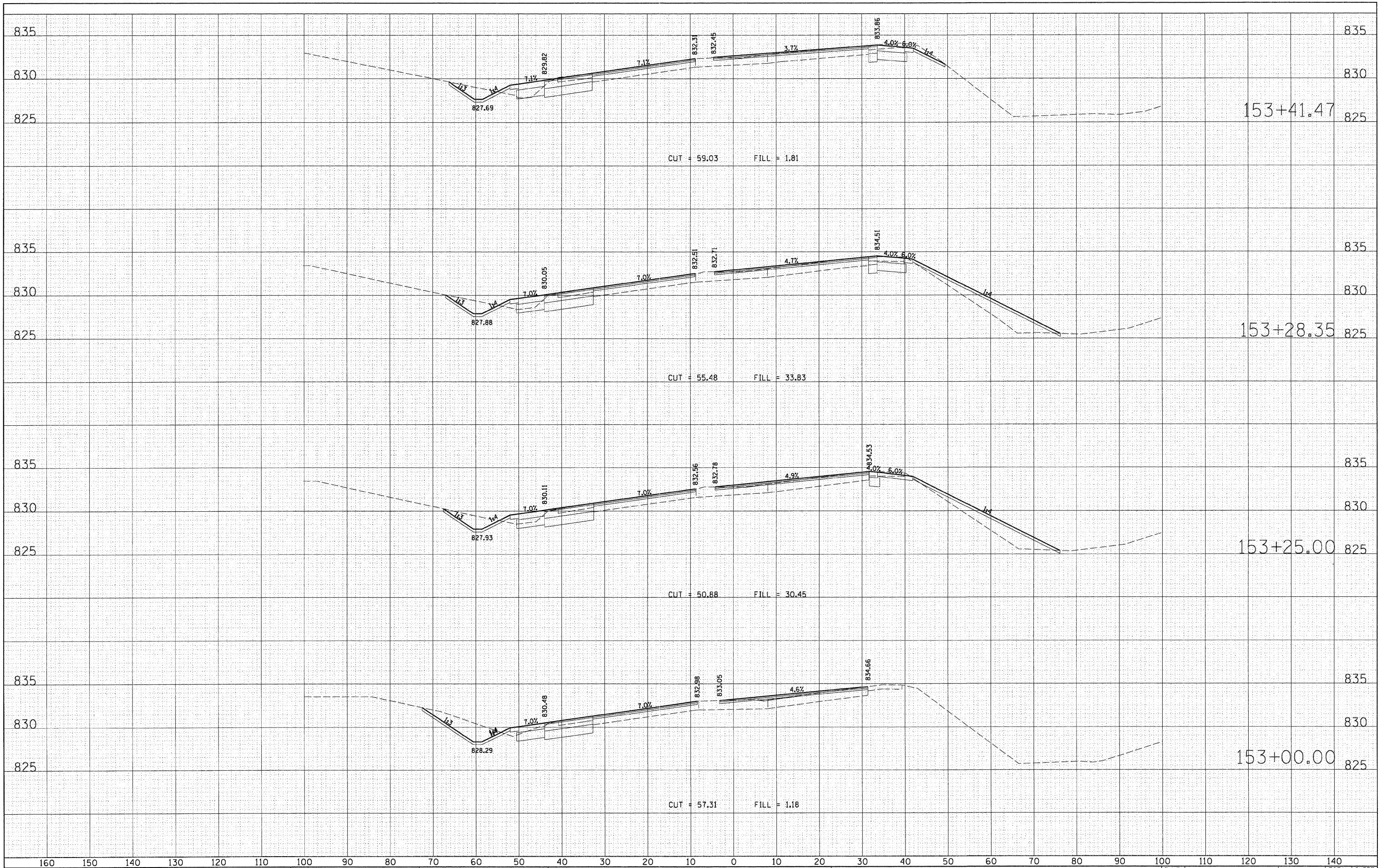
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
CROSS SECTION SHEET - RANDALL ROAD**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 151+50.00 TO STA. 152+50.00

F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 61
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = D:\157207_SHT_XS_RANDALL.DGN

USER NAME = molopez
DESIGNED -
DRAWN -
CHECKED -
DATE = 10/24/2011

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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

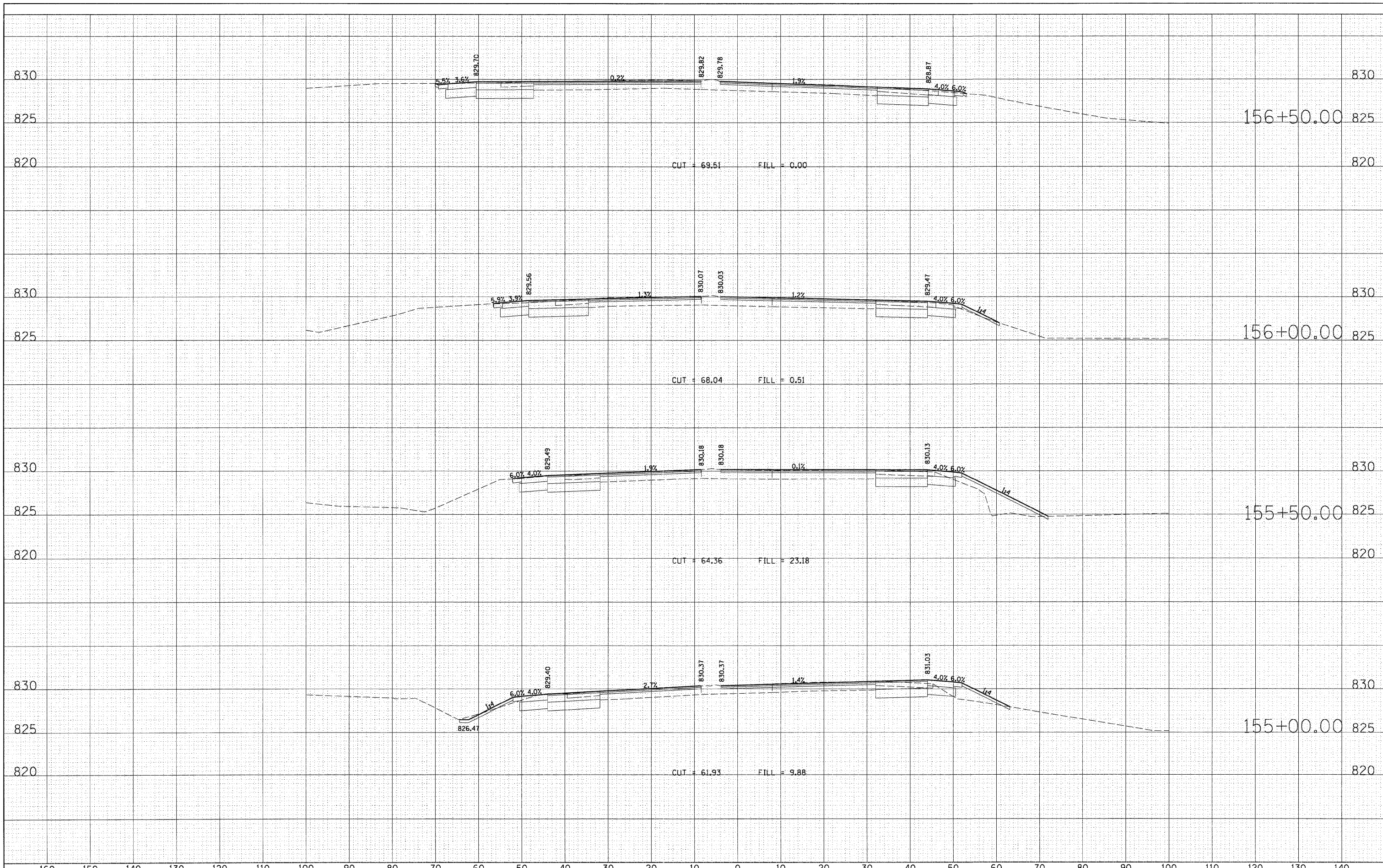
RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
CROSS SECTION SHEET - RANDALL ROAD

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 153+00.00 TO STA. 153+41.47

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	62
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY
 SURVEYED
 PLANNED
 TEMPLATE
 NOTE BOOK
 AREAS CHECKED
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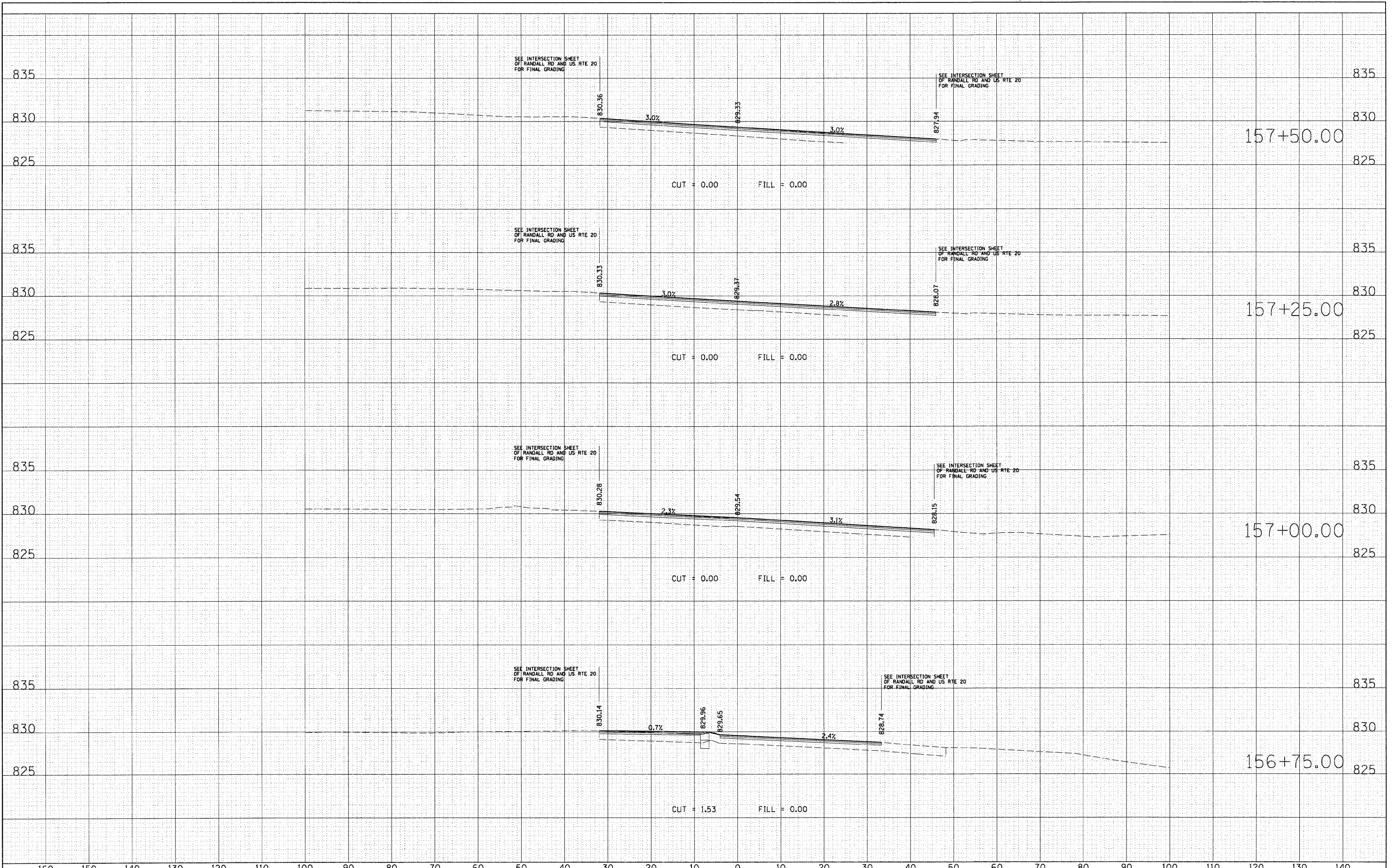
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 PLANNED
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 NOTE BOOK
 AREAS CHECKED
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FILE NAME = D1157207_SHT_XS_RANDALL.DGN	USER NAME = mlopez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) CROSS SECTION SHEET - RANDALL ROAD				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		336	06-00345-00-CH	KANE	92	64				
		CHECKED -	REVISED -		CONTRACT NO. 63623								
		PLOT DATE = 10/24/2011	DATE -		REVISED -	SCALE: 1" = 10'	SHEET NO.	OF	SHEETS	STA. 155+00.00	TO STA. 156+50.00	FED. ROAD DIST. NO. 1	ILLINOIS

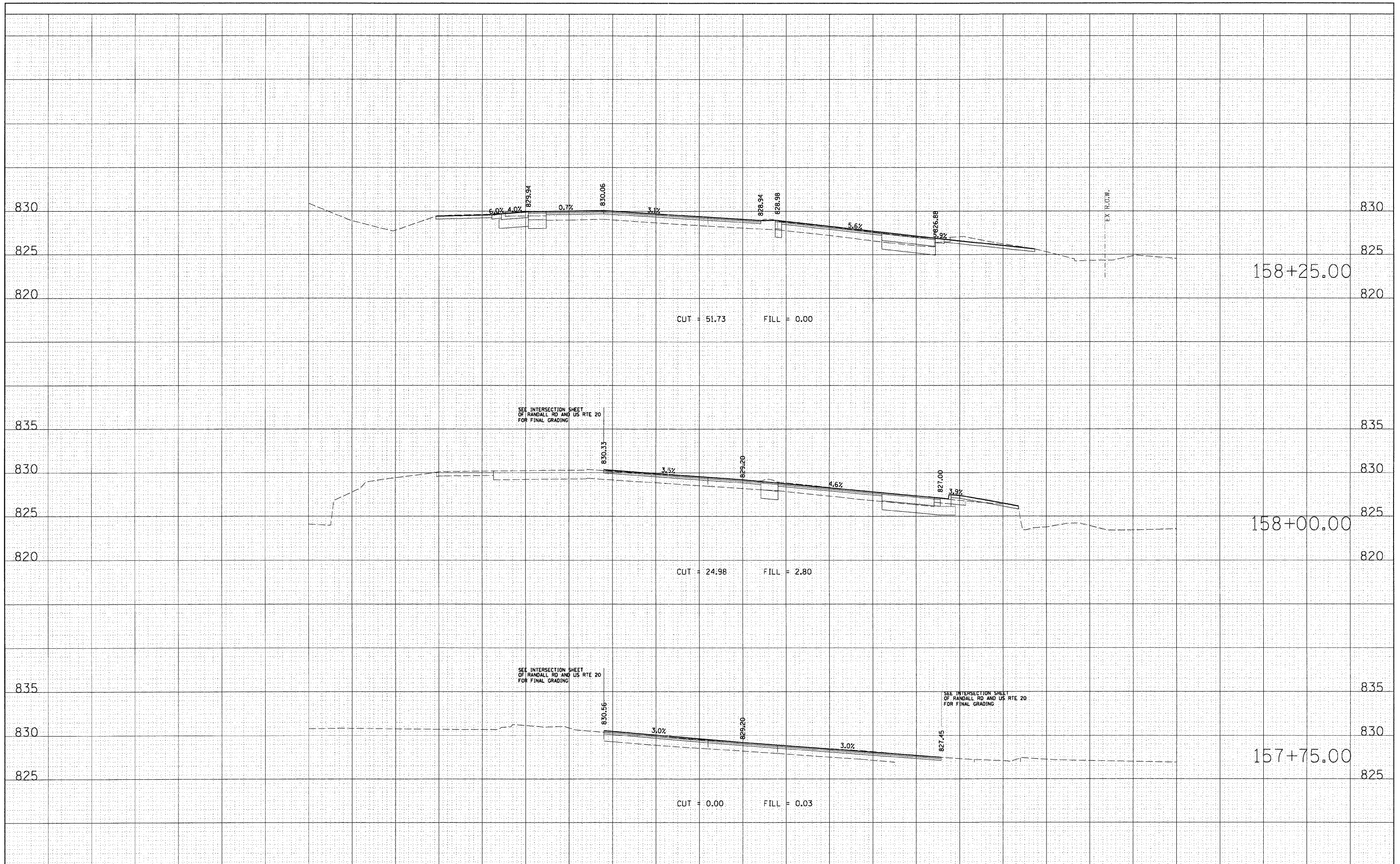
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 SURVEYED BY DATE
 TEMPLATE NO.
 NOTE BOOK NO.
 AREAS CHECKED

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



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

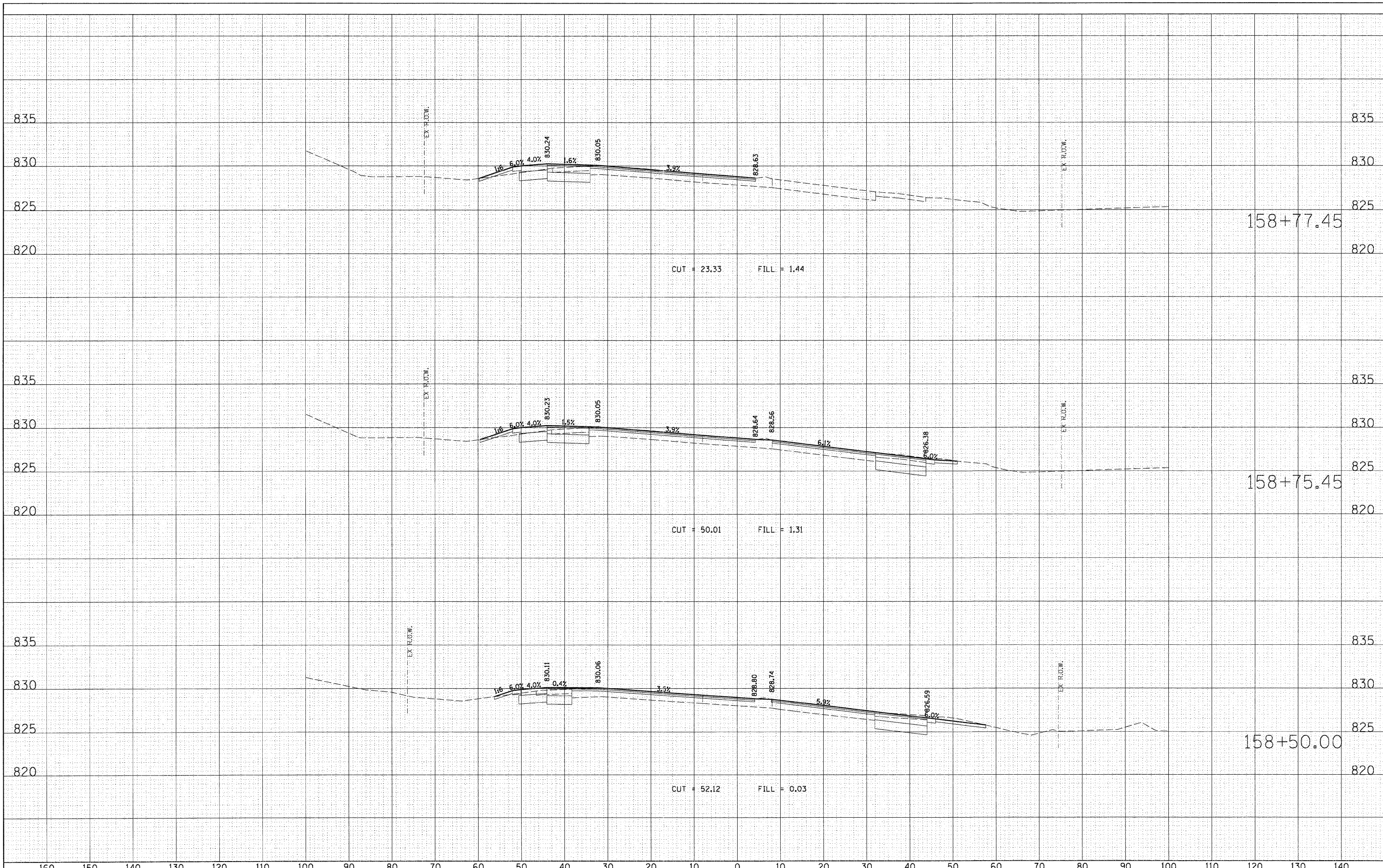
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SURVEY	BY	
NOTE BOOK	NO.	
TEMPLATE	AREAS CHECKED	



FILE NAME = D1157207_SHT_XS_RANDALL.DGN	USER NAME = mlopez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) CROSS SECTION SHEET - RANDALL ROAD	F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 66	
PLOT SCALE = 1/4" = 10'	DATE = 10/24/2011	DRAWN -	REVISED -			SCALE: 1" = 10'	SHEET NO. OF SHEETS	STA. 157+75.00 TO STA. 158+25.00	CONTRACT NO. 63623		
		CHECKED -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								

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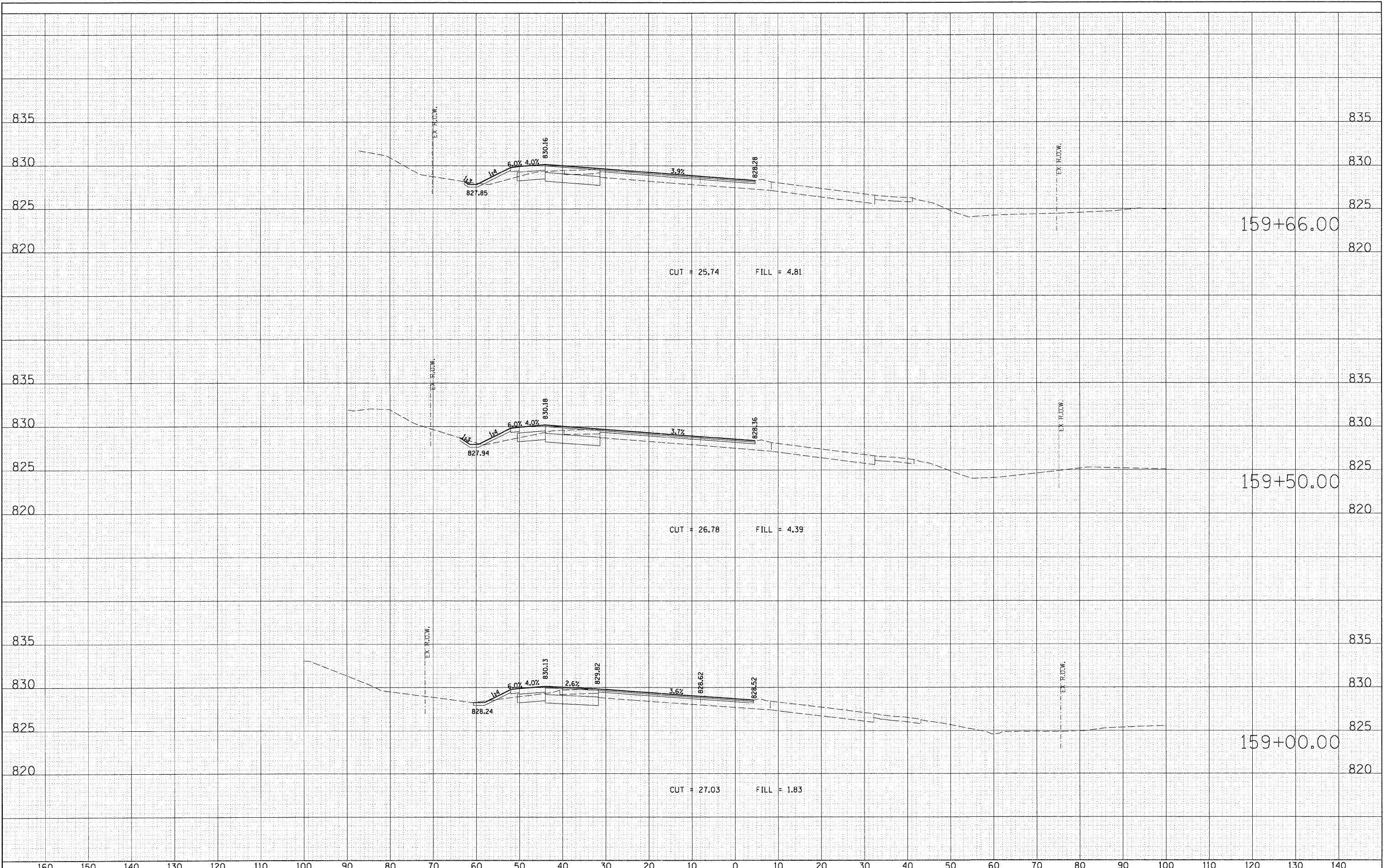
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SURVEY	FILED	BY
NOTE BOOK	TEMPLATE	
AREAS	CHECKED	
NO.		



FILE NAME = D1157207.SHT_XS.RANDALL.DGN	USER NAME = malopez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) CROSS SECTION SHEET - RANDALL ROAD			F.A.P RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 67
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: 1" = 10'	SHEET NO.	OF	SHEETS	STA. 158+50.00	TO STA. 158+77.45	CONTRACT NO. 63623	
	PLOT DATE = 10/24/2011	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -									

FINAL	SURVEYED	DATE
SURVEY	BY	
NOTE BOOK		
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	BY	
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	SURVEYED	DATE
	BY	
	NOTE BOOK	
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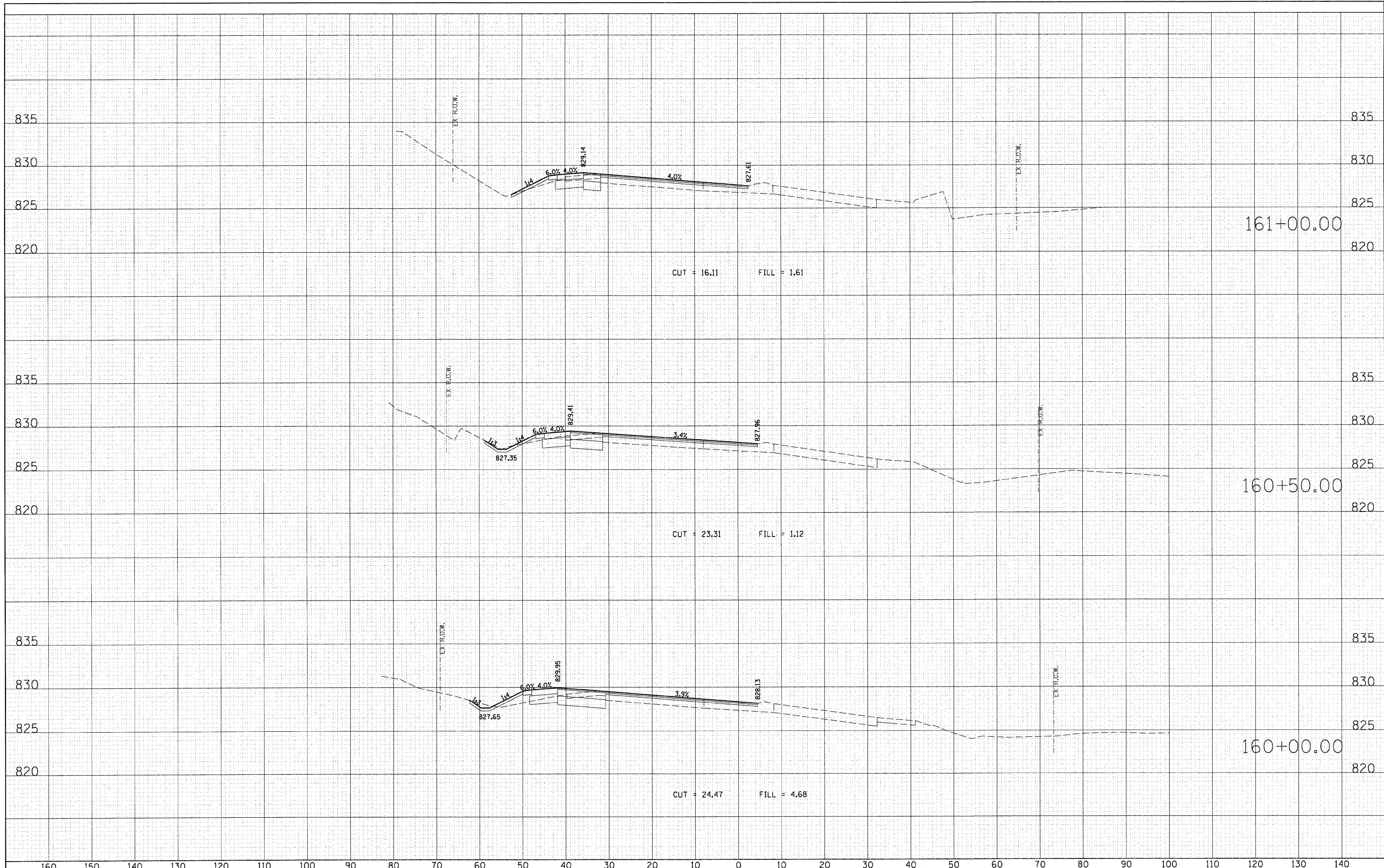
ORIGINAL	SURVEYED	DATE
SURVEY	BY	
NOTE BOOK		
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	SURVEYED	DATE
	BY	
	NOTE BOOK	
	NO.	



FILE NAME = D1157207_SHT_XS_RANDALL.DGN	USER NAME = mlopez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) CROSS SECTION SHEET - RANDALL ROAD	F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 68		
PLOT SCALE = *SCALE*	CHECKED -	REVISED -	SCALE: 1" = 10'			SHEET NO. OF SHEETS	STA. 159+00.00 TO STA. 159+66.00	CONTRACT NO. 63623				
PLOT DATE = 10/24/2011	DATE -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT									

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

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



FILE NAME = D1157207_SHT_XS_RANDALL.DGN
 USER NAME = mlopez
 PLOT SCALE = *SCALE*
 PLOT DATE = 10/24/2011

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

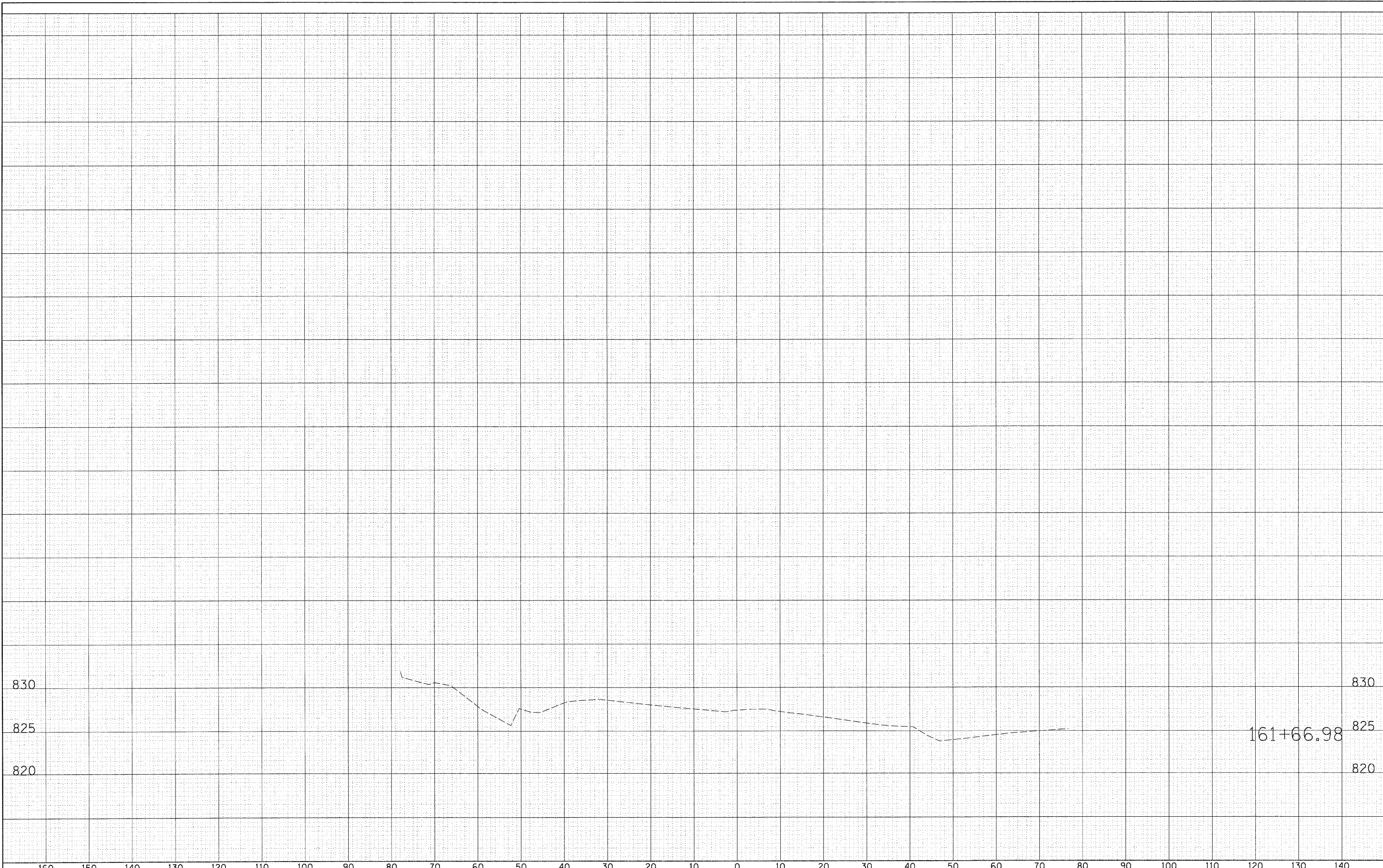
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
 CROSS SECTION SHEET - RANDALL ROAD**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 160+00.00 TO STA. 161+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	69
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =
D:\157207_SHT_XS_RANDALL.DGN

USER NAME = malopez
PLOT SCALE = #SCALE#
PLOT DATE = 10/24/2011

DESIGNED -
DRAWN -
CHECKED -
DATE -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

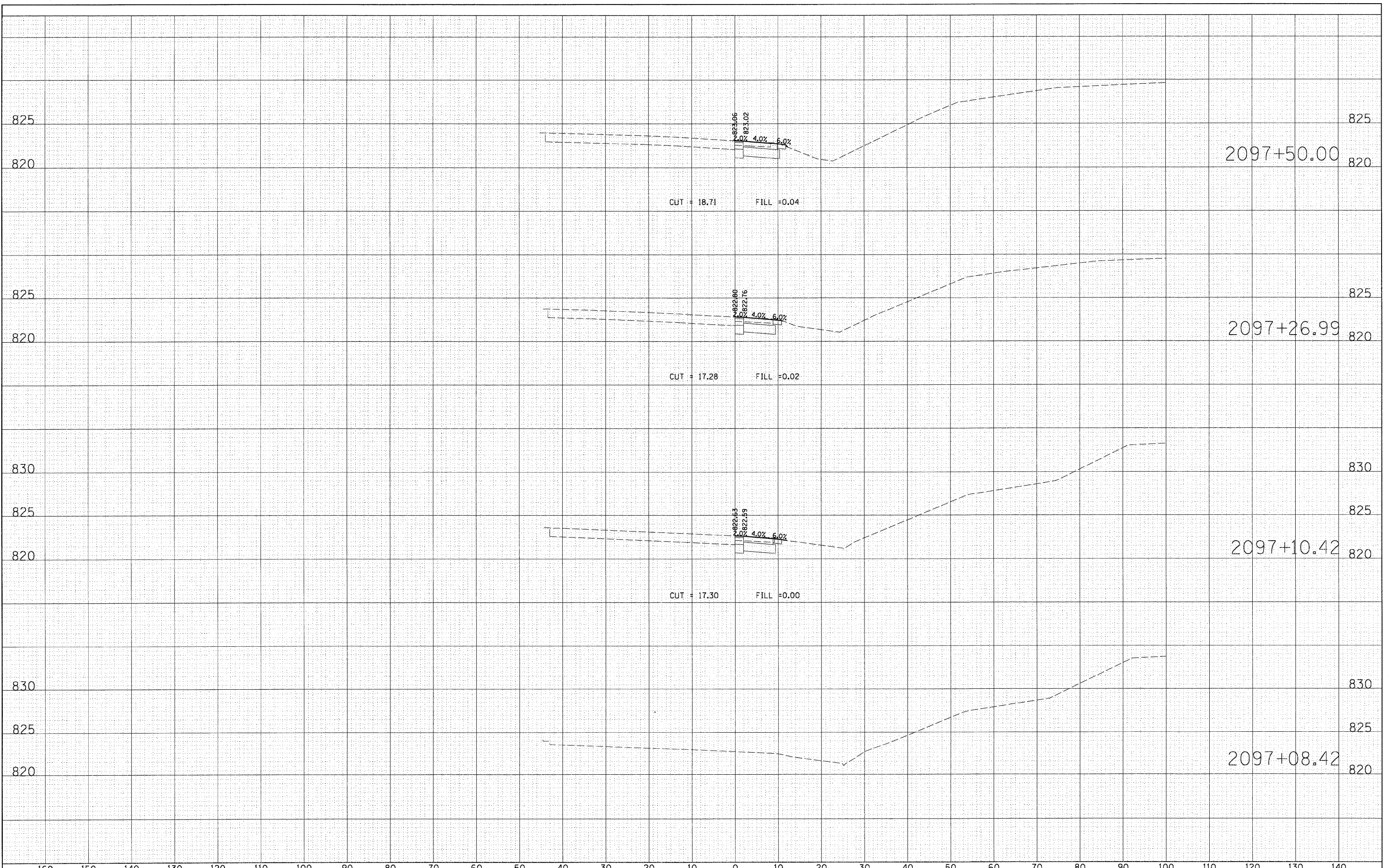
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
CROSS SECTION SHEET - RANDALL ROAD**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 161+66.98 TO STA. 161+66.98

F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 71
CONTRACT NO. 63623			ILLINOIS FED. AID PROJECT	

DATE	
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FINAL SURVEY	
NOTE BOOK	
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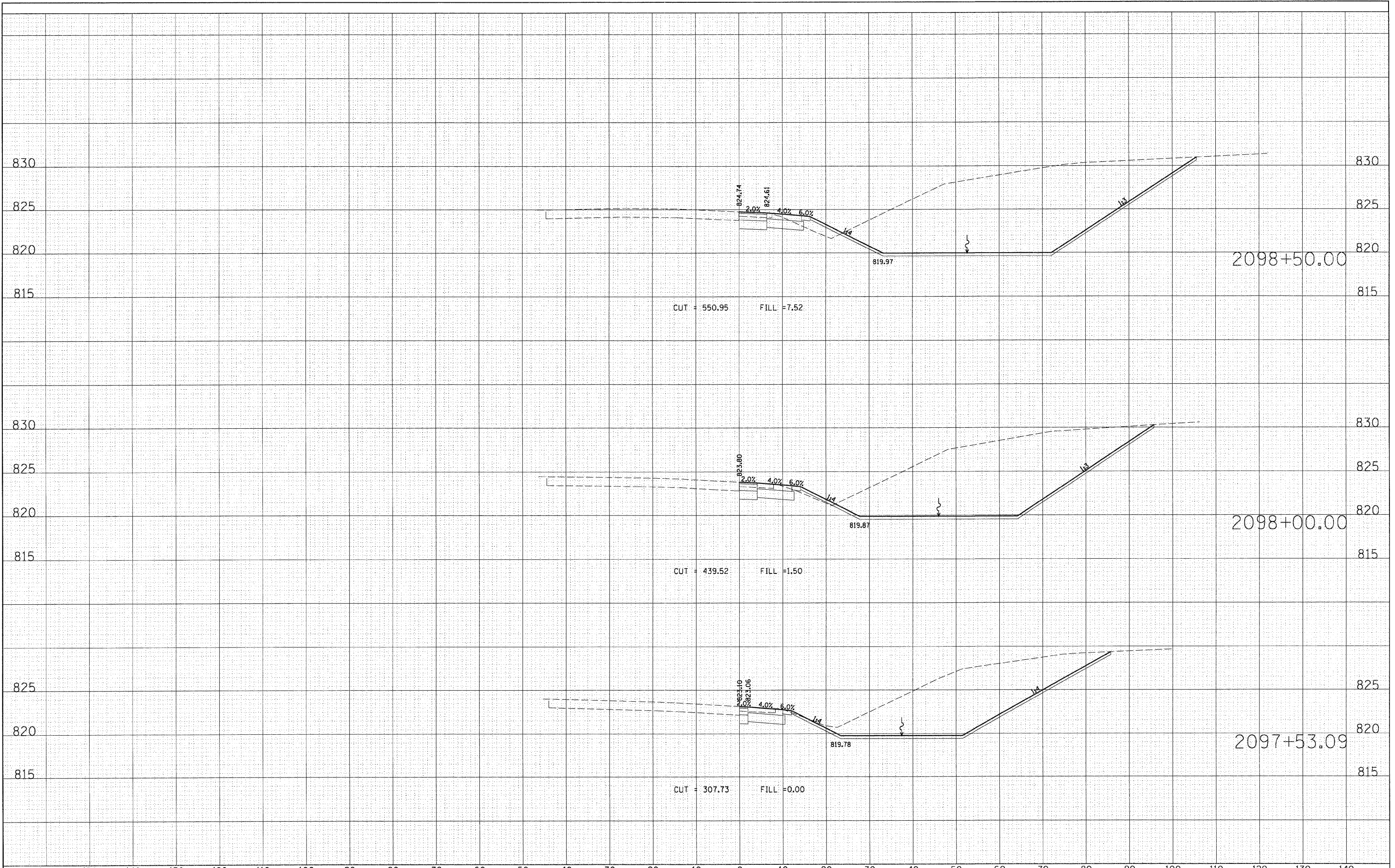
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FILE NAME =	USER NAME = maiopez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) CROSS SECTION SHEET - RAMP US 20			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D1157287_SHT_XS_US20.DGN		DRAWN -	REVISED -		336	06-00345-00-CH	KANE	92	72				
PLOT SCALE = #SCALE#		CHECKED -	REVISED -		SCALE: 1" = 10'			SHEET NO. OF SHEETS		STA. 2097+08.42 TO STA. 2097+50.00			
PLOT DATE = 10/24/2011		DATE -	REVISED -		CONTRACT NO. 63623								
												FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

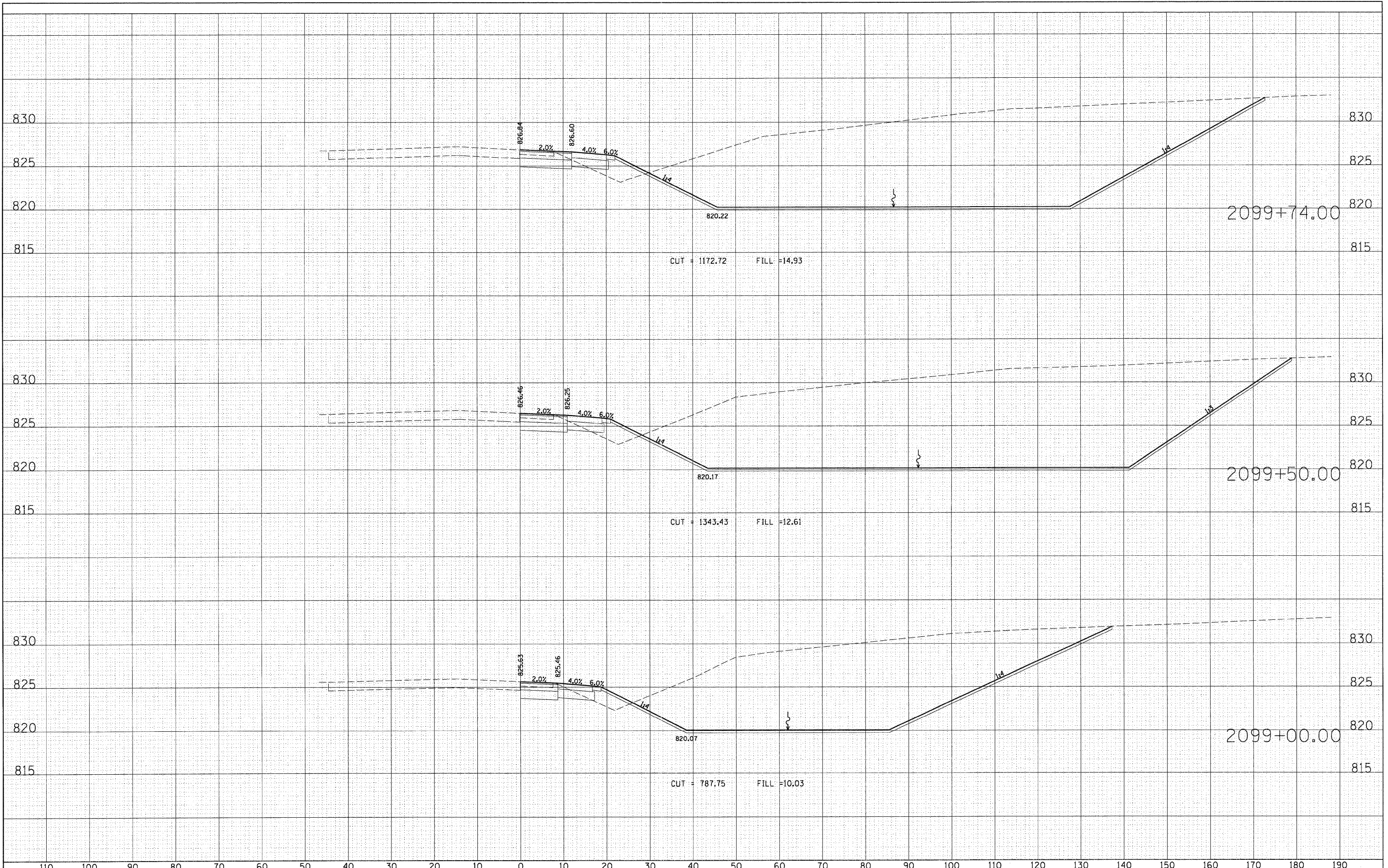
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ORIGINAL SURVEY	DATE
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FINAL	SURVEYED	DATE
SURVEY	PLANNED	BY
NOTE BOOK	TEMPORARY	
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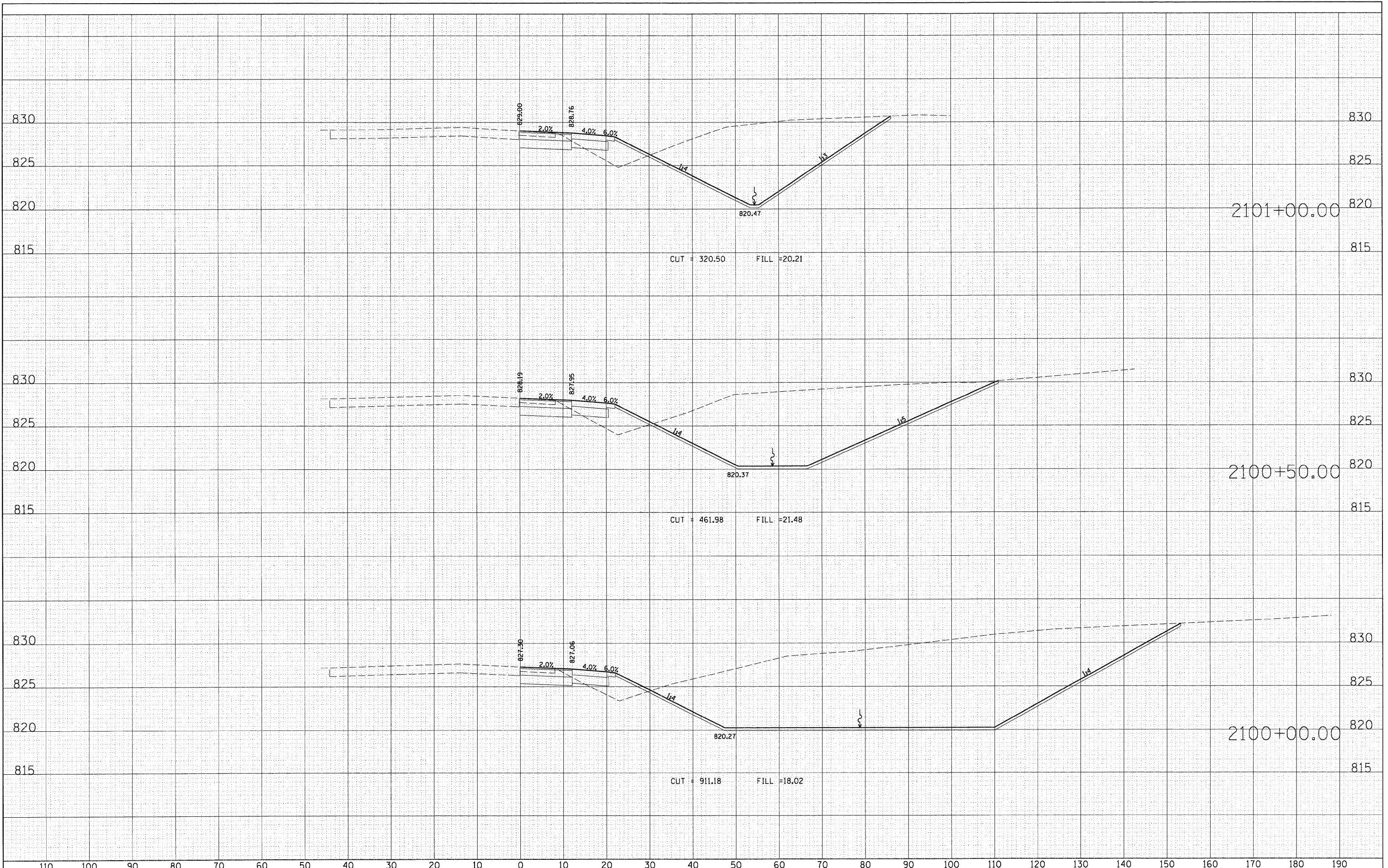
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SURVEY	PLANNED	BY
NOTE BOOK	TEMPORARY	
NO.	AREAS CHECKED	



FILE NAME = D1157287.SHT.XS.US20.DGN	USER NAME = melopez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) CROSS SECTION SHEET - RAMP US 20	F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 74
	PLOT SCALE = 1/8" = 10'	CHECKED -	REVISED -			CONTRACT NO. 63623				
	PLOT DATE = 10/24/2011	DATE -	REVISED -			SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 2099+00.00 TO STA. 2099+74.00				
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL	SURVEYED	DATE
SURVEY	BY	
NOTE BOOK		
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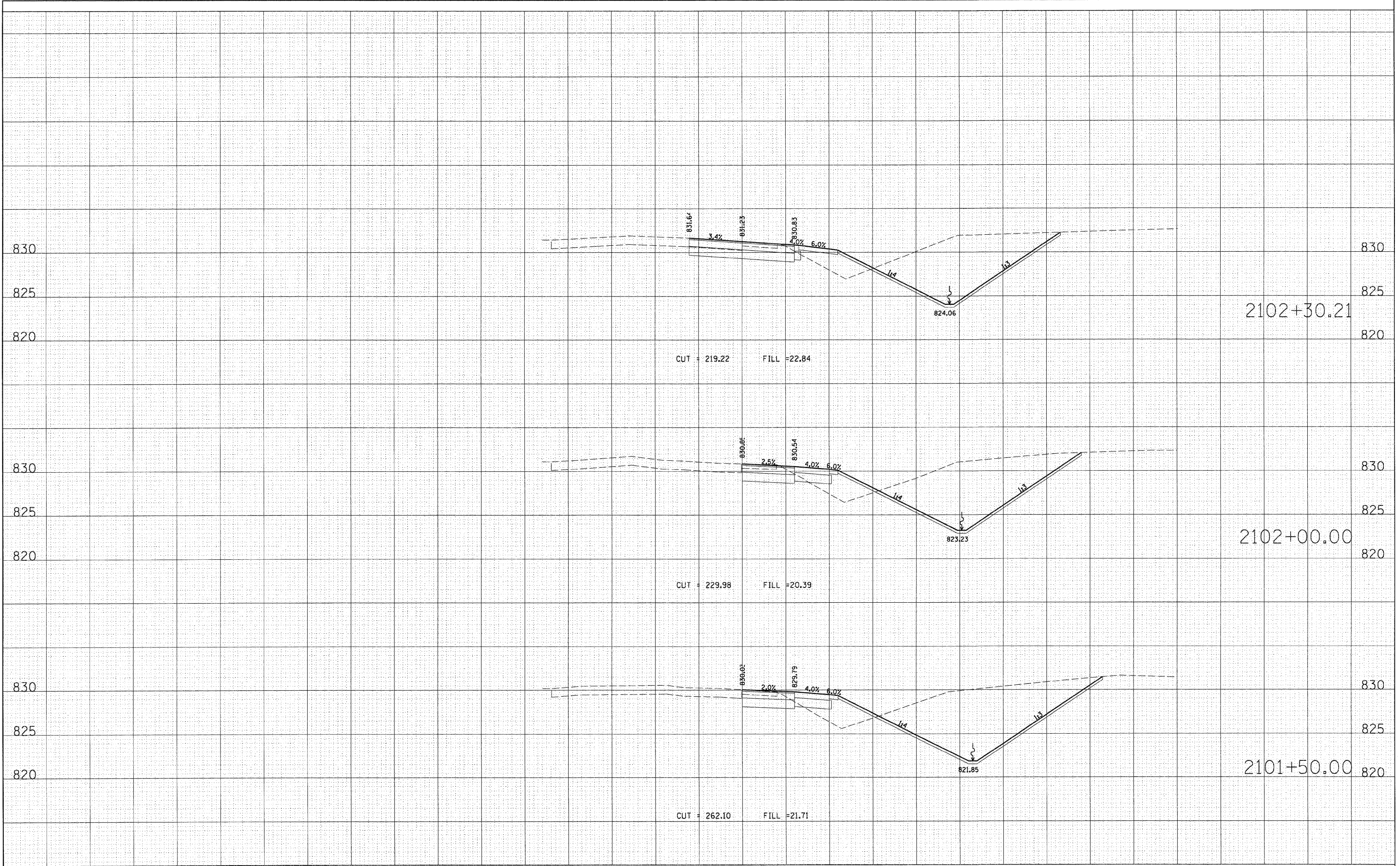
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SURVEY	BY	
NOTE BOOK		
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FILE NAME = D1157207_SHT_XS_US20.DGN	USER NAME = melopez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) CROSS SECTION SHEET - RAMP US 20				F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 75
	PLOT SCALE = 1/8" = 10'	CHECKED -	REVISED -		SCALE: 1" = 10'	SHEET NO.	OF	SHEETS	STA. 2100+00.00 TO STA. 2101+00.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
	PLOT DATE = 10/24/2011	DATE -	REVISED -		CONTRACT NO. 63623								

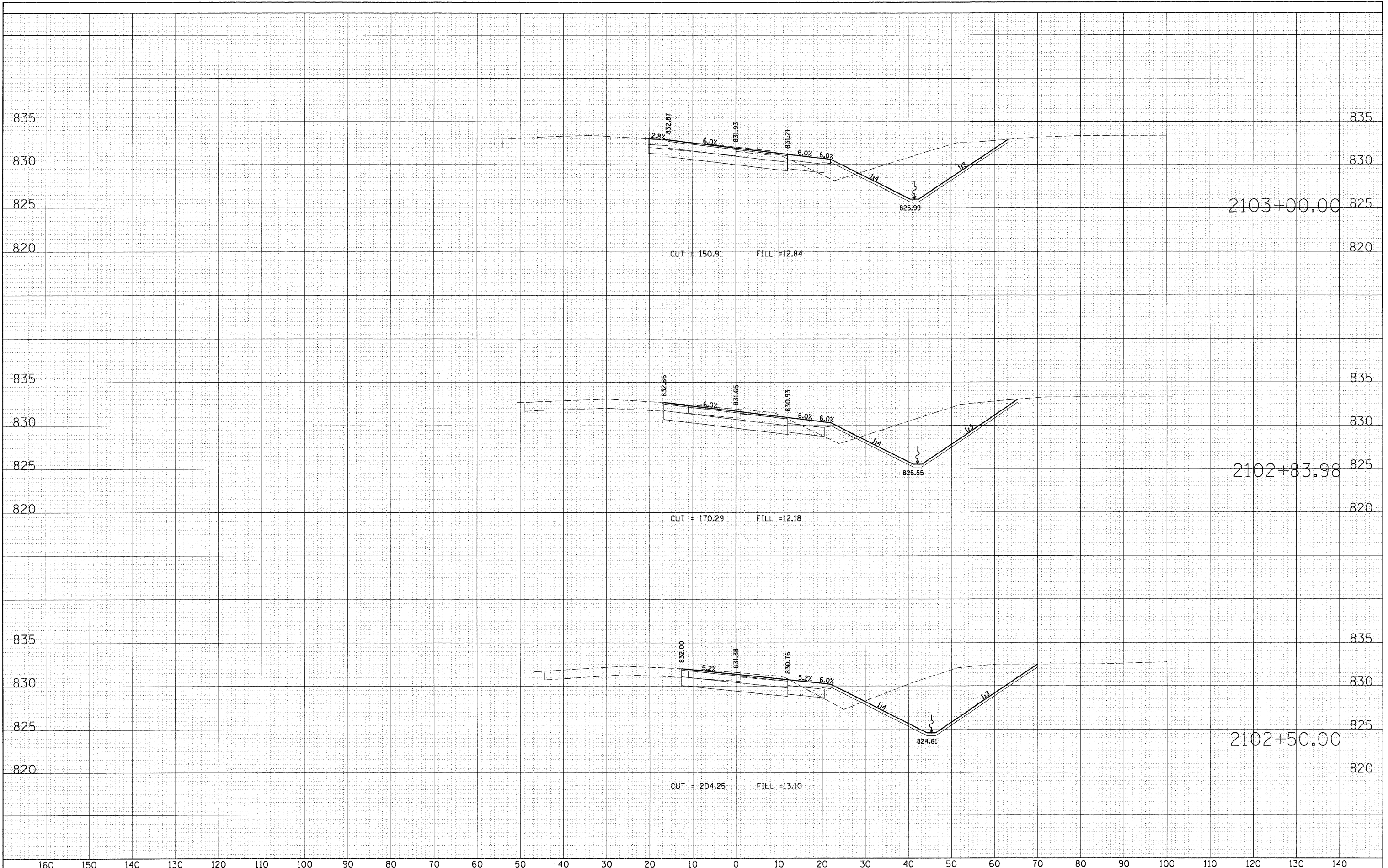
FINAL	DATE
SURVEY	BY
NOTE BOOK	
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SURVEYED	
DESIGNED	
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ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	
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SURVEYED	
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FINAL SURVEY	
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FILE NAME = D:\157287_SHT.XS_US20.DGN
 USER NAME = molopez
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 DATE - 10/24/2011

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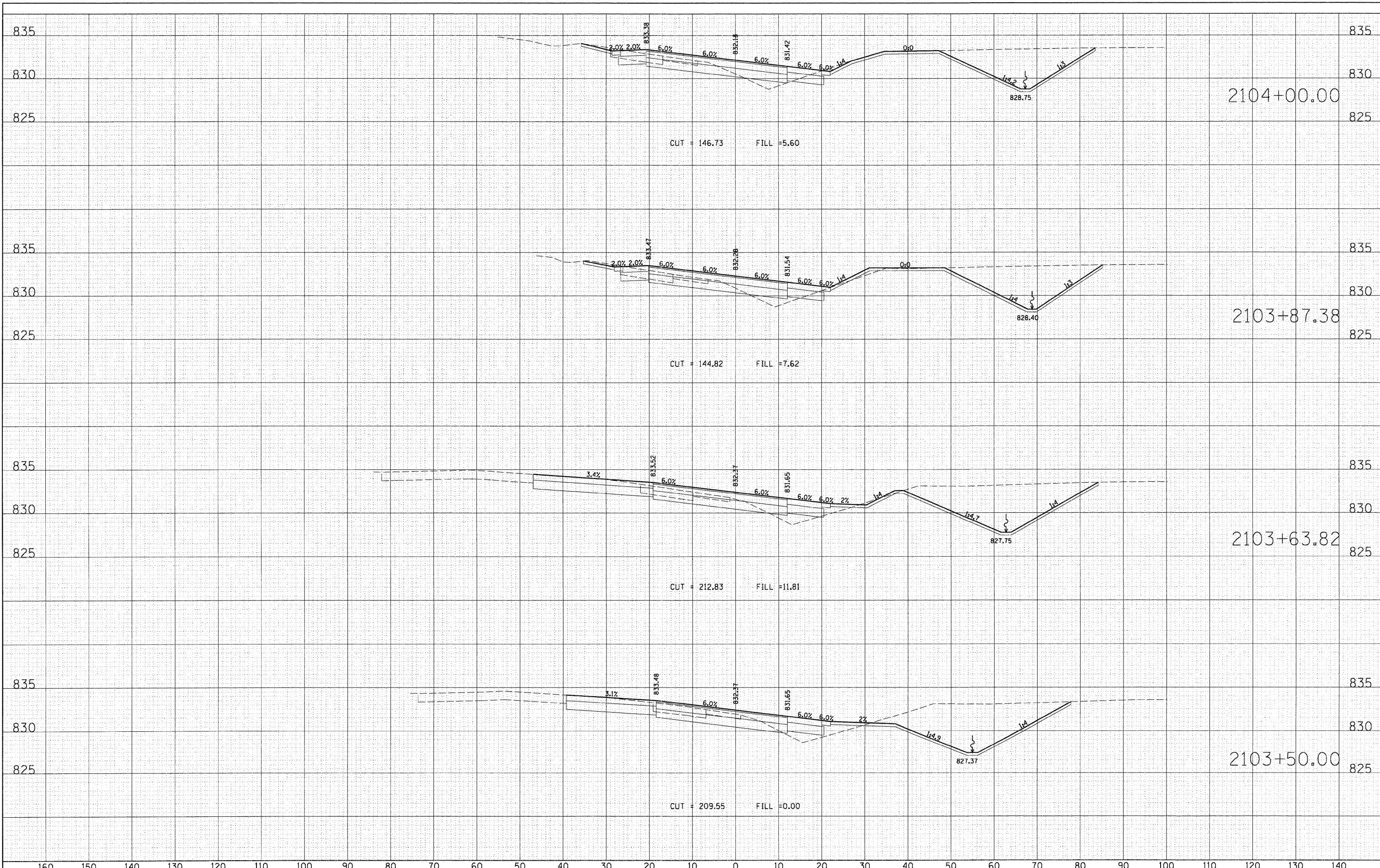
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
CROSS SECTION SHEET - RAMP US 20
 SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 2102+50.00 TO STA. 2103+00.00

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	77
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

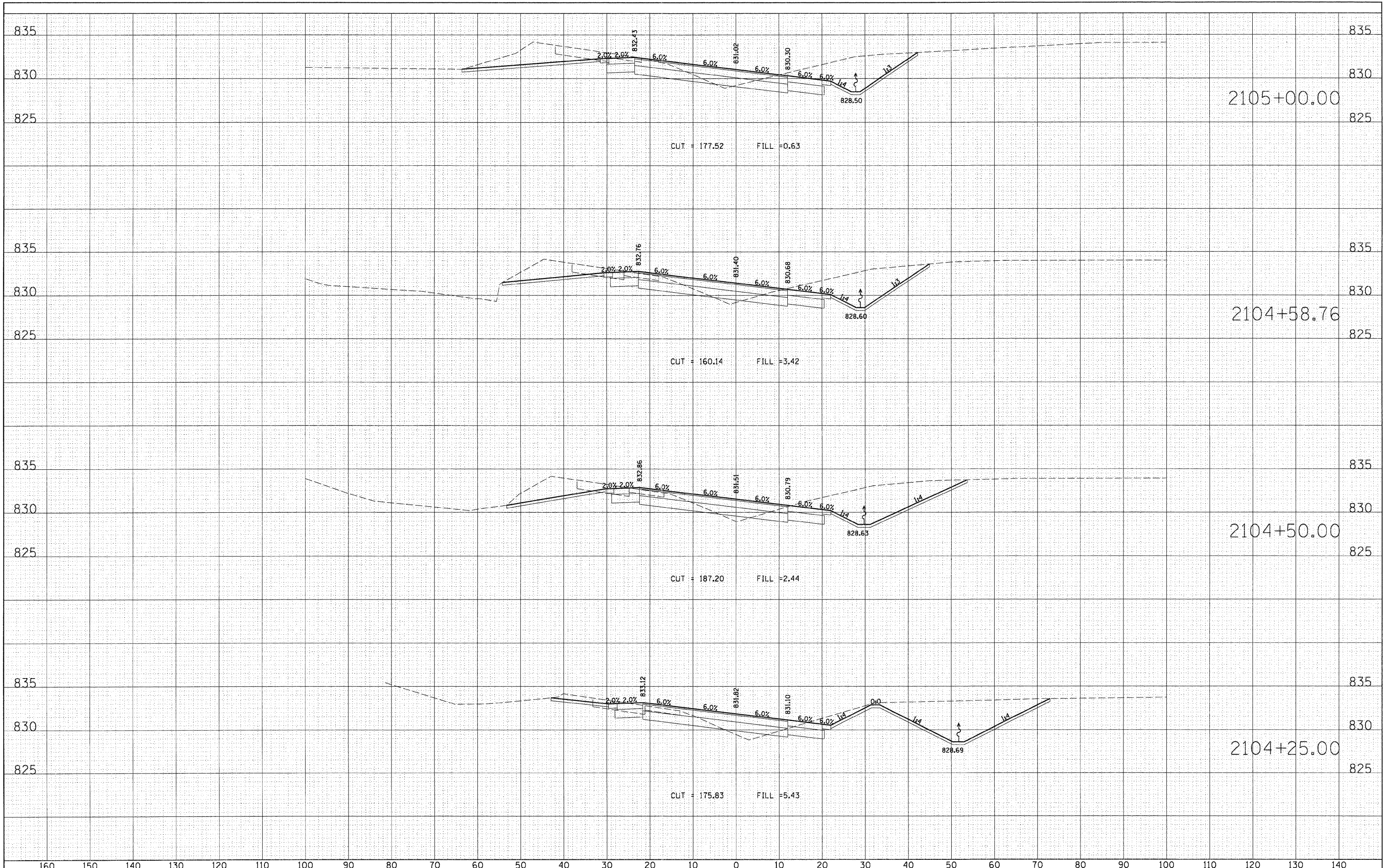
FINAL SURVEY	DATE
NOTE BOOK	BY
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TEMPERATURE	BY
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ORIGINAL SURVEY	DATE
NOTE BOOK	BY
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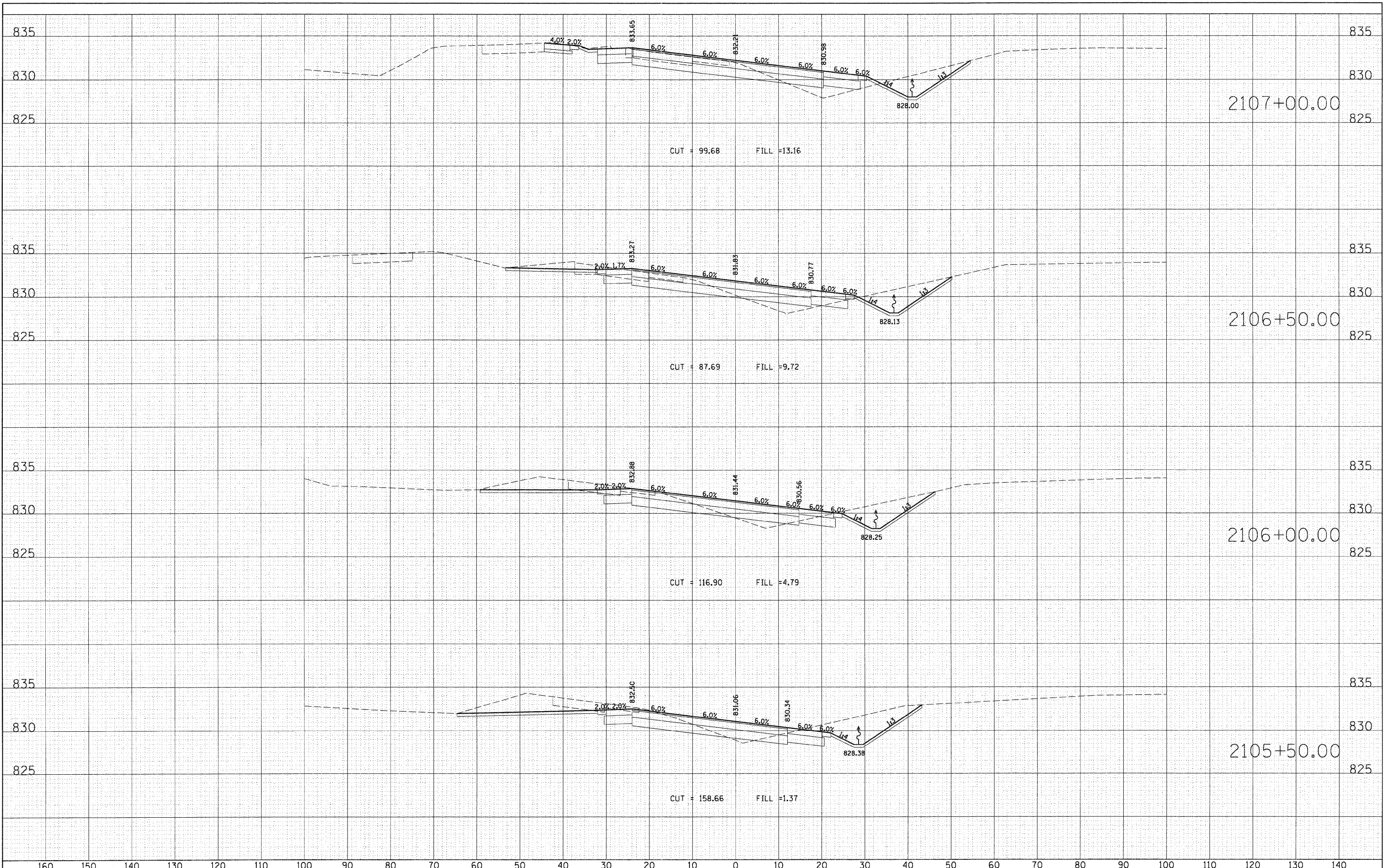
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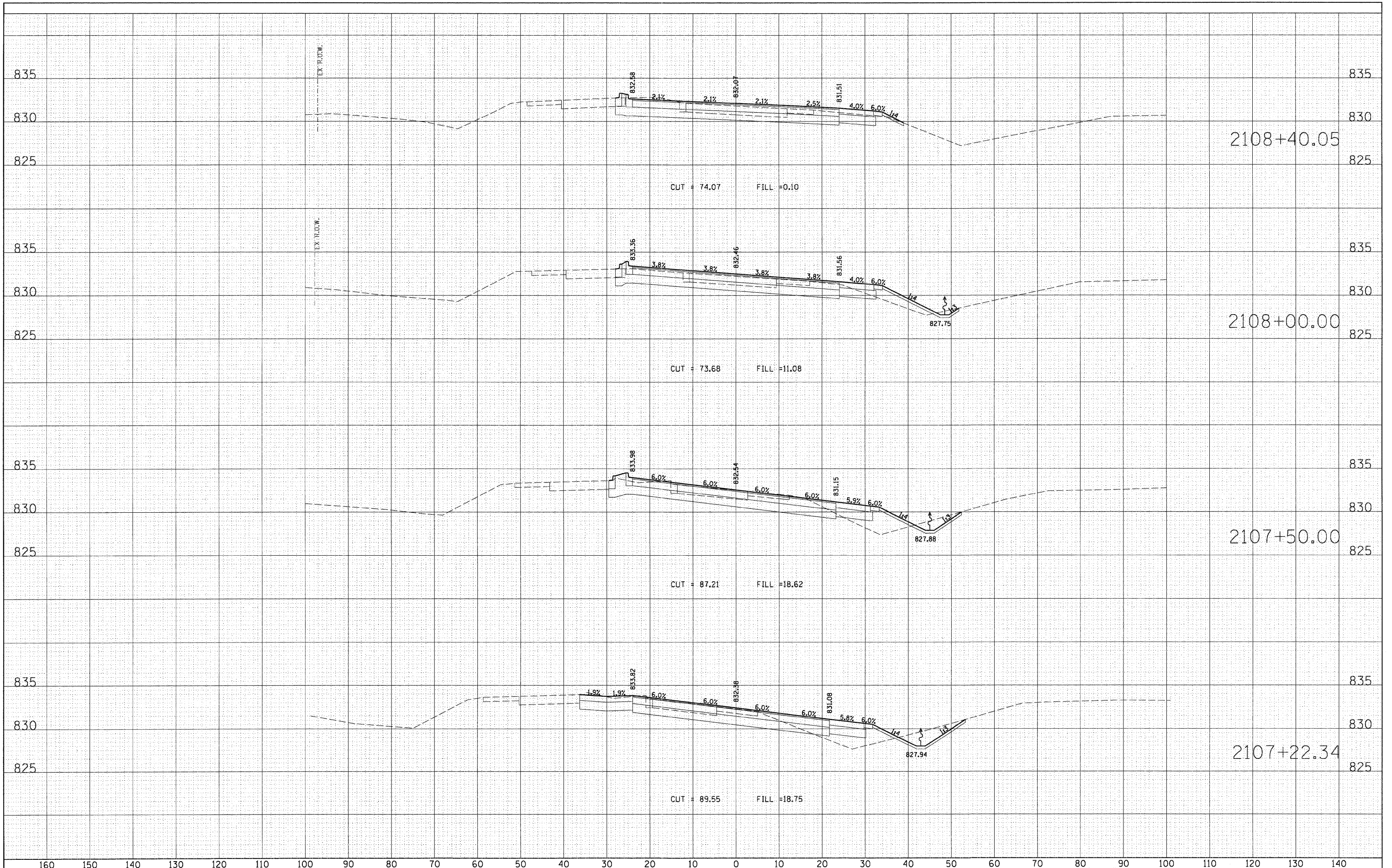
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DATE	
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AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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SURVEYED	
TEMP. DATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME = D:\157207_SHT_XS_US20.DGN
 USER NAME = molopez
 PLOT SCALE = 1/8" = 1' (implied)
 PLOT DATE = 10/24/2011

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

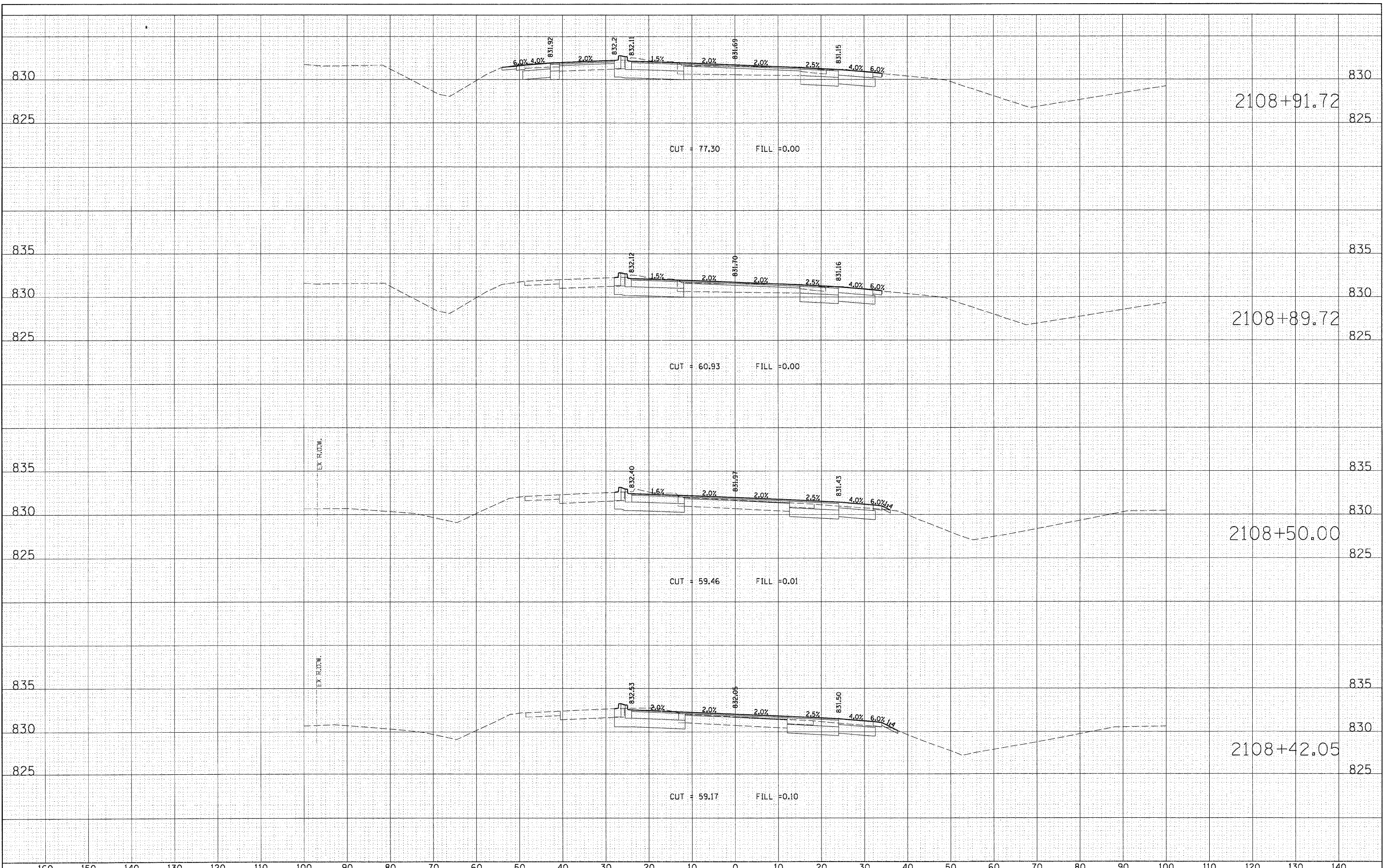
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
 CROSS SECTION SHEET - RAMP US 20**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 2107+22.34 TO STA. 2108+40.05

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	81
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

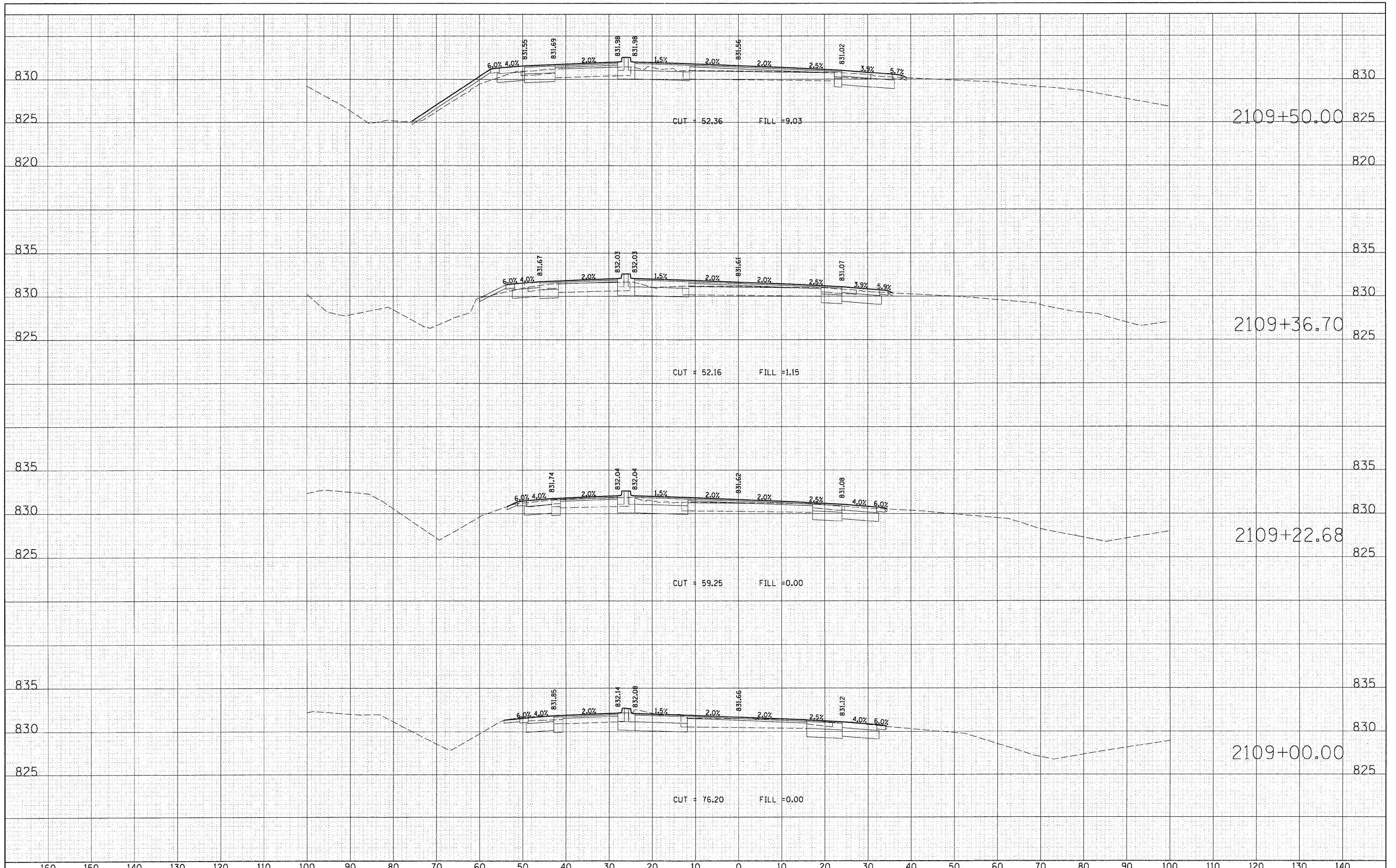
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SURVEY	PLANS	BY
NOTE BOOK	TEMPLATE	
AREAS	CHECKED	
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FILE NAME = D:\157207_SHT_XS_US20.DGN	USER NAME = mlopez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) CROSS SECTION SHEET - RAMP US 20			F.A.P RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 82
PLOT SCALE = *SCALE*	CHECKED -	REVISED -	REVISED -		SCALE: 1" = 10'	SHEET NO. OF	SHEETS	STA. 2108+42.05 TO STA. 2108+91.72	CONTRACT NO. 63623			
PLOT DATE = 10/24/2011	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

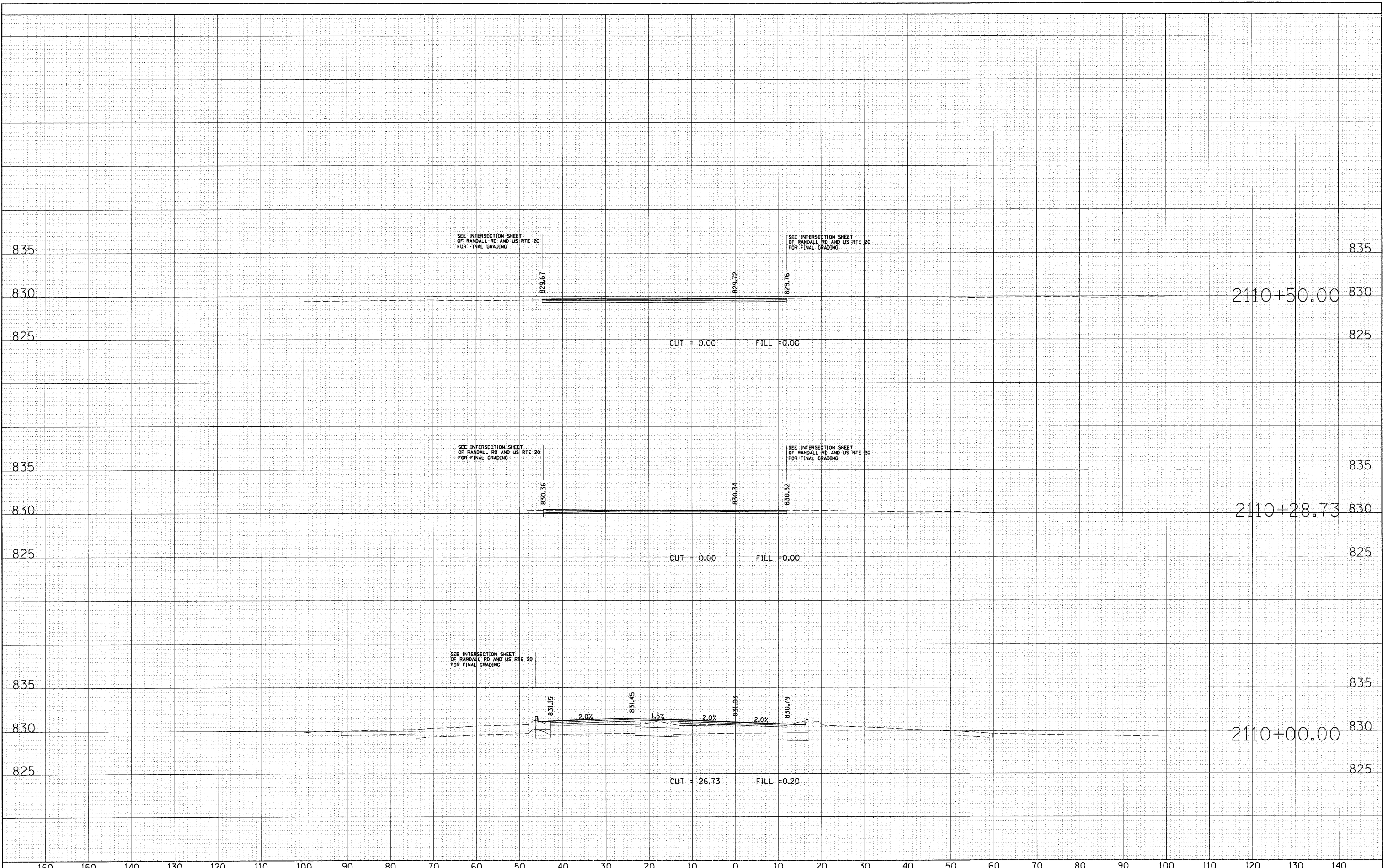
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BY	
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PLANNED	
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NOTE BOOK	
AREAS	
CHECKED	
NO.	

DATE	
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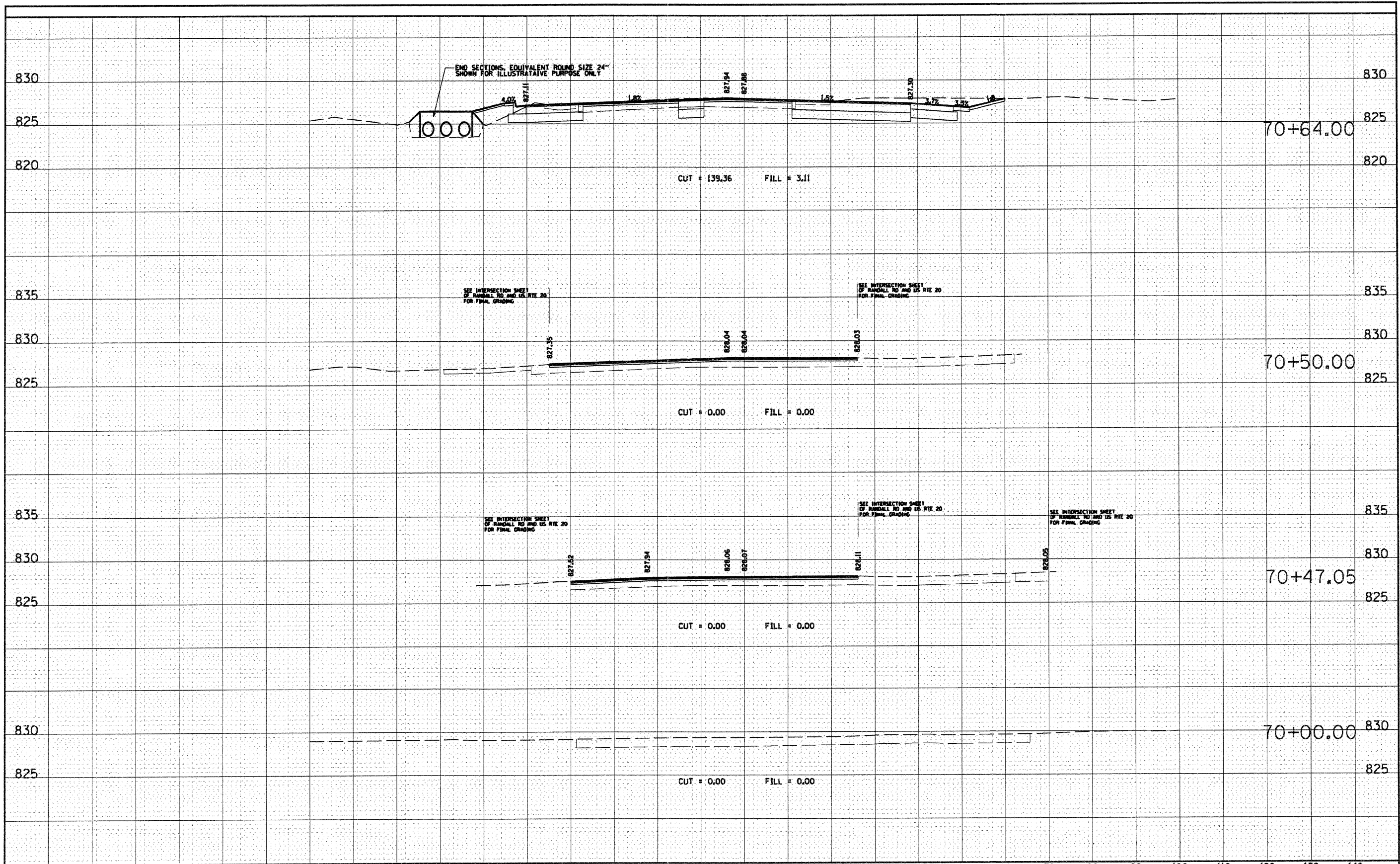
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SURVEY	BY	
NOTE BOOK		
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AREAS CHECKED		

ORIGINAL	SURVEYED	DATE
SURVEY	BY	
NOTE BOOK		
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AREAS CHECKED		



FINAL SURVEY	DATE
NO.	
REVISIONS	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

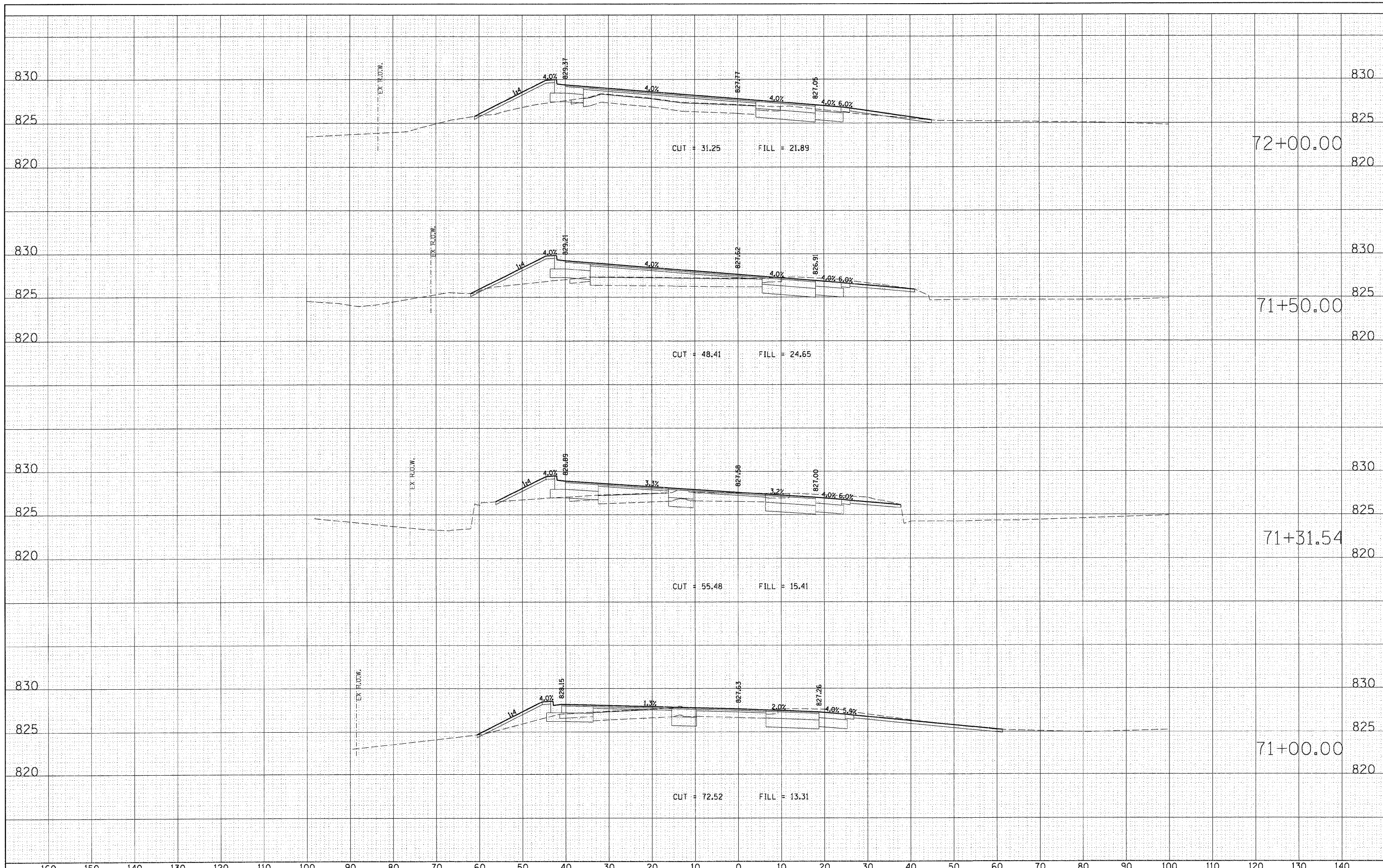
ORIGINAL SURVEY	DATE
NO.	
REVISIONS	BY
PLOTTED	
TEMPLATE	
AREAS	
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FILE NAME = D:\157207_SHT_XS_FOOTHILL.DGN	USER NAME = malopez	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD) CROSS SECTION SHEET - FOOTHILL ROAD		F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 85	
PLOT SCALE = #SCALE#	CHECKED -	REVISED -	REVISED -		SCALE: 1" = 10'	SHEET NO. OF SHEETS	STA. 70+00.00 TO STA. 70+64.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/8/2011	DATE -	REVISED -	REVISED -		CONTRACT NO. 63623							

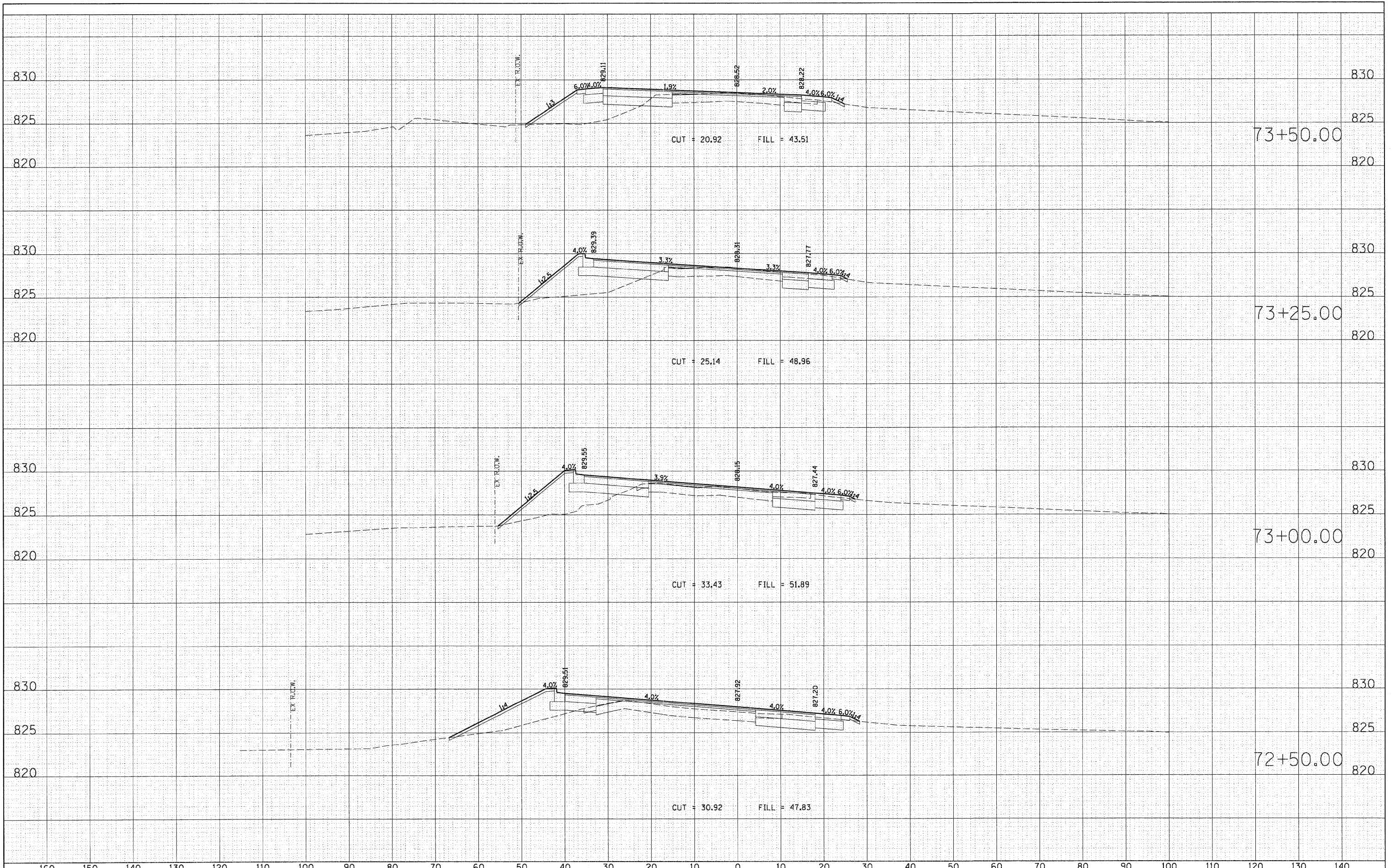
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SURVEY	BY	
NOTE BOOK	NO.	
TEMPLATE	AREAS CHECKED	

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NOTE BOOK	NO.	
TEMPLATE	AREAS CHECKED	



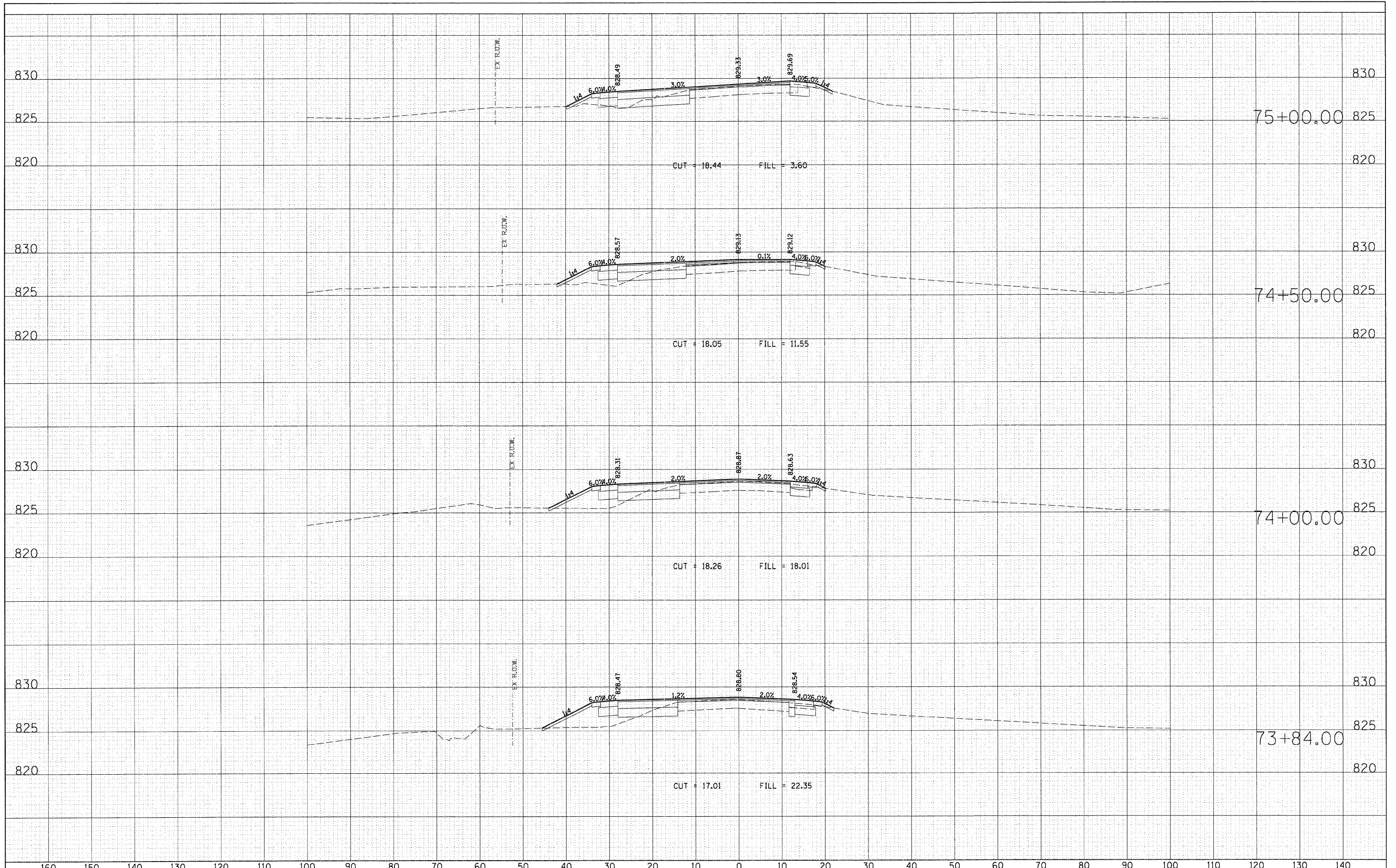
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SURVEYED	BY
NOTE BOOK	
TEMPLATE	
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NOTE BOOK	
TEMPLATE	
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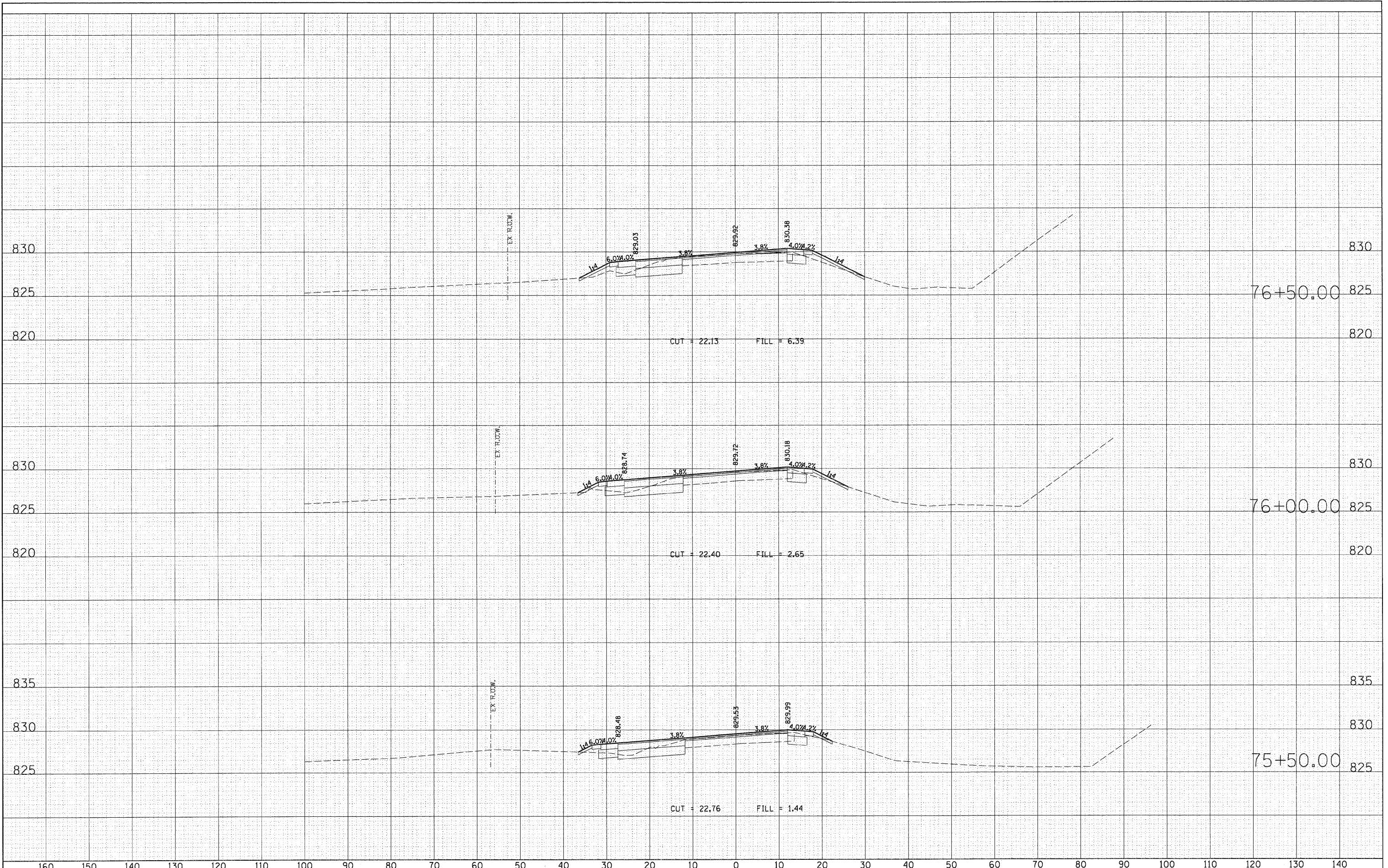
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NO. _____	BY _____	_____
NOTE BOOK	NO. _____	_____
AREAS CHECKED	_____	_____

ORIGINAL	SURVEYED	DATE
NO. _____	BY _____	_____
NOTE BOOK	NO. _____	_____
AREAS CHECKED	_____	_____



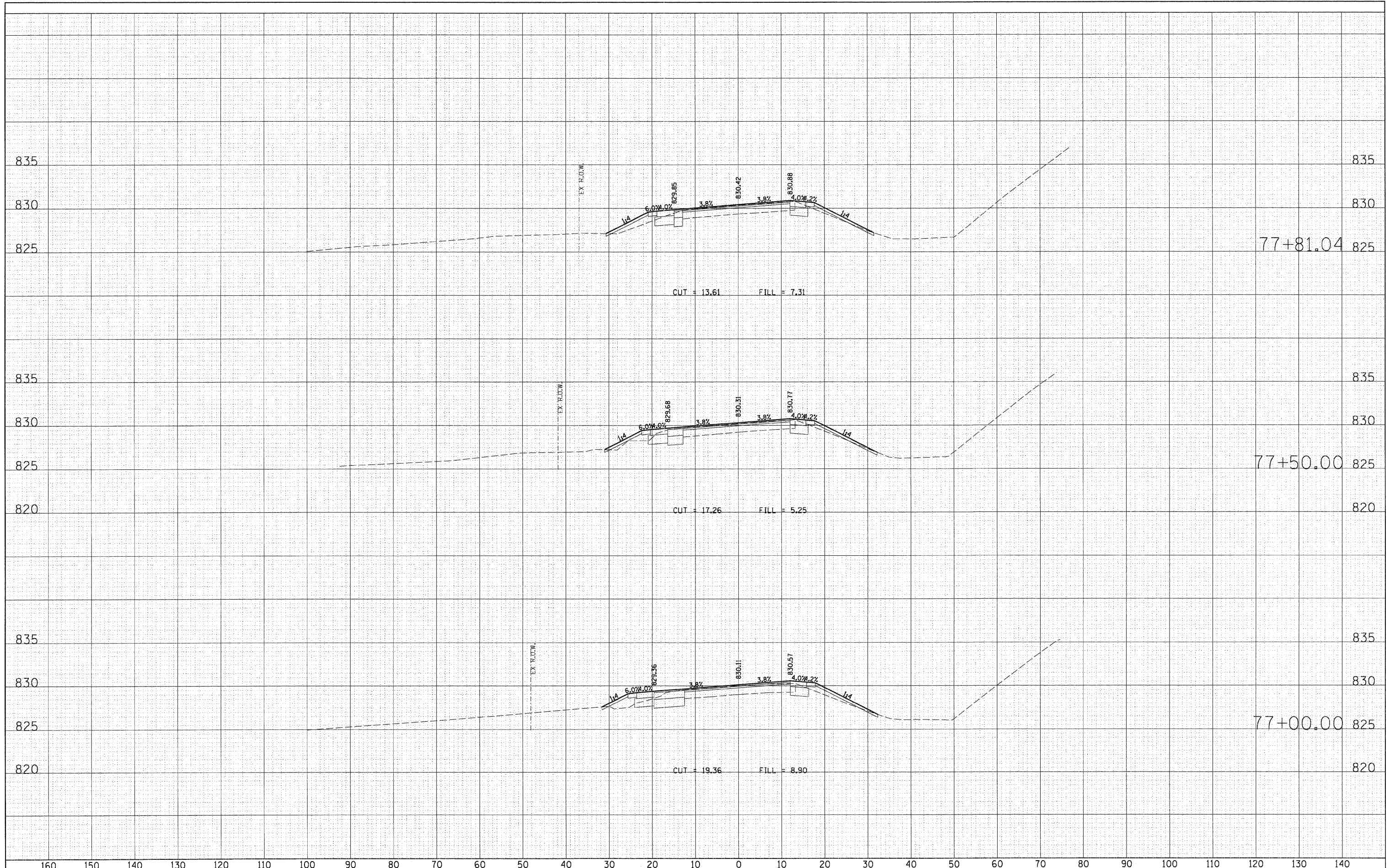
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SURVEY	BY	
NOTE BOOK	NO.	
AREAS CHECKED		

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SURVEY	BY	
NOTE BOOK	NO.	
AREAS CHECKED		



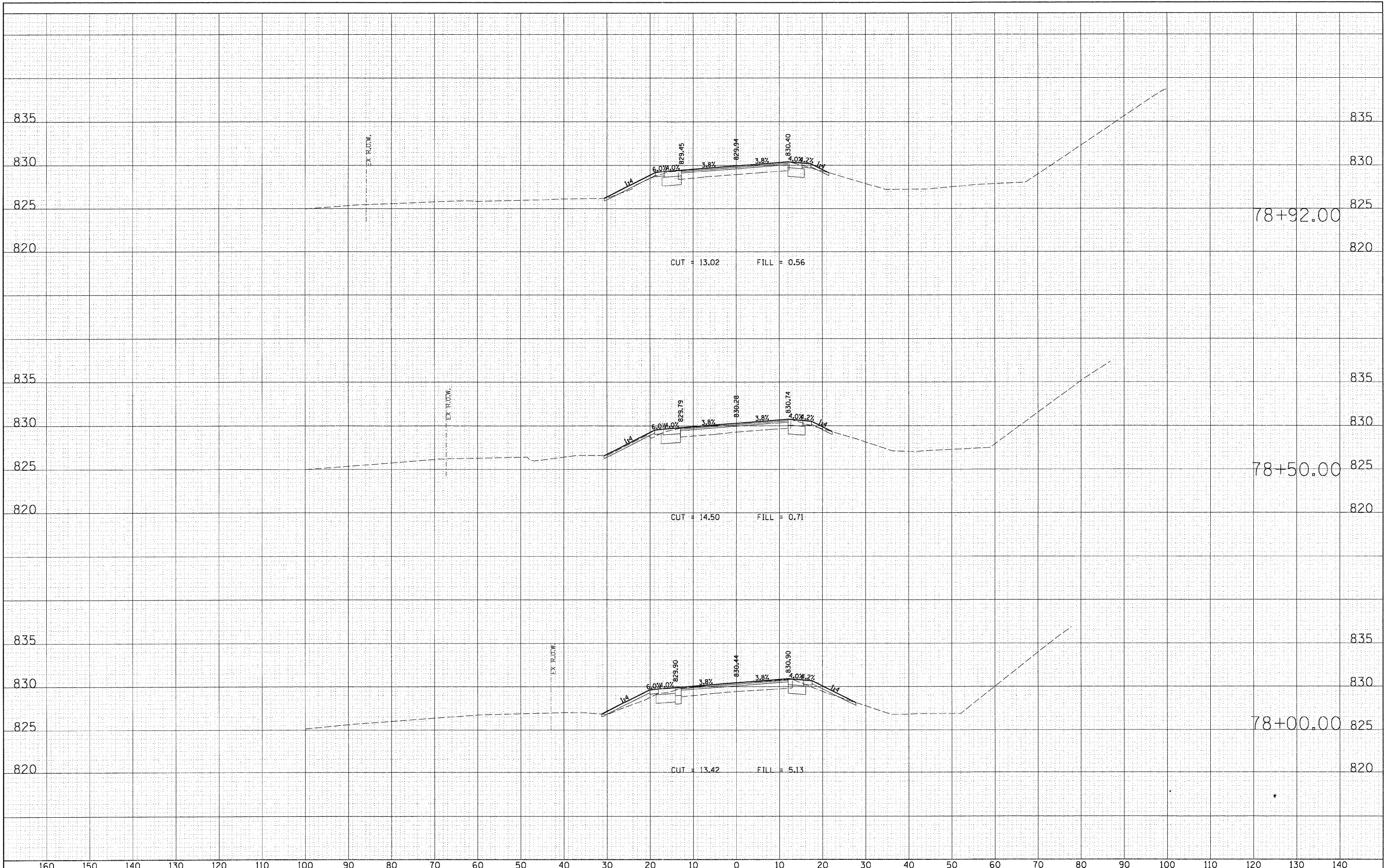
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BY	
SURVEYED	
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DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	



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

DATE	
BY	
SURVEYED	
TEMPLATE	
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ORIGINAL SURVEY NOTE BOOK NO.	



FILE NAME = D:\157207_SHT_XS_FOOTHILL.DGN
 USER NAME = molopez
 PLOT SCALE = *SCALE*
 PLOT DATE = 10/24/2011

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

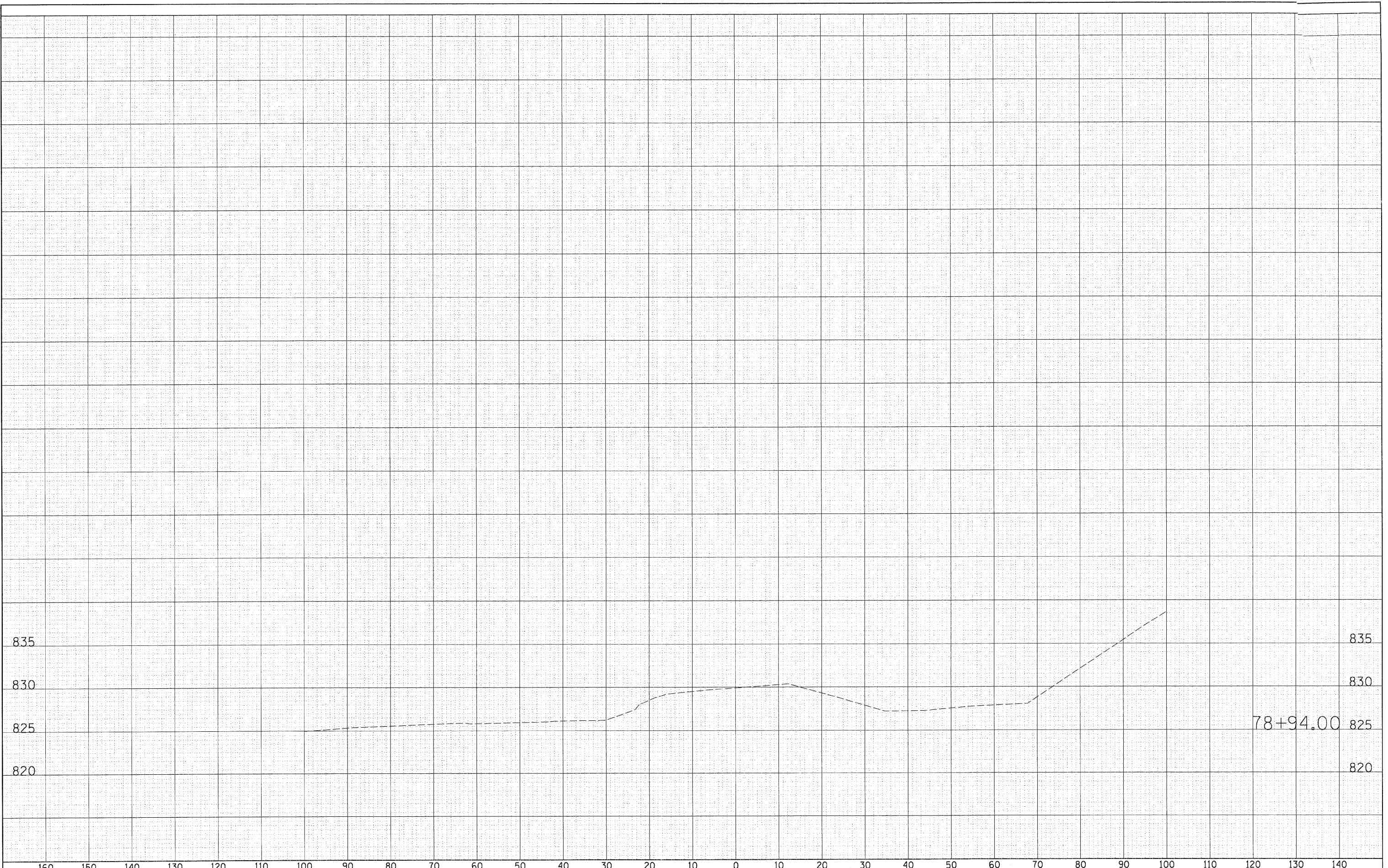
**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
CROSS SECTION SHEET - FOOTHILL ROAD**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 78+00.00 TO STA. 78+92.00

F.A.P. RTE. 336	SECTION 06-00345-00-CH	COUNTY KANE	TOTAL SHEETS 92	SHEET NO. 91
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	



FILE NAME = D:\157207_SHT.XS_FOOTHILL.DGN

USER NAME = malopez	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 10/24/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD AT US ROUTE 20 (FOOTHILL ROAD)
CROSS SECTION SHEET - FOOTHILL ROAD**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 78+94.00 TO STA. 79+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00345-00-CH	KANE	92	92
CONTRACT NO. 63623				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				