

01-15-2021 LETTING ITEM 069

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
2298	17-00091-00-FP	KANE	67
FED. ROAD DIST. NO 1	ILLINOIS	CONTRACT NO. 61G83	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

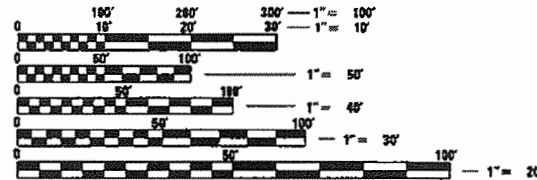
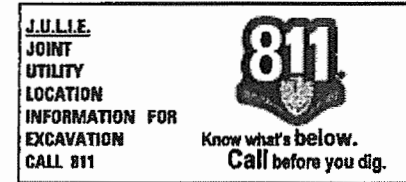
TRAFFIC DATA

ADT:
BOLZ ROAD 2,400 VDP (2015) 2,400 VDP (2040)

	SPEED POSTED	DESIGN SPEED
BOLZ ROAD	35 MPH	40 MPH

DESIGN DESIGNATION

FAU 2298 (BOLZ ROAD) - MINOR ARTERIAL



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.

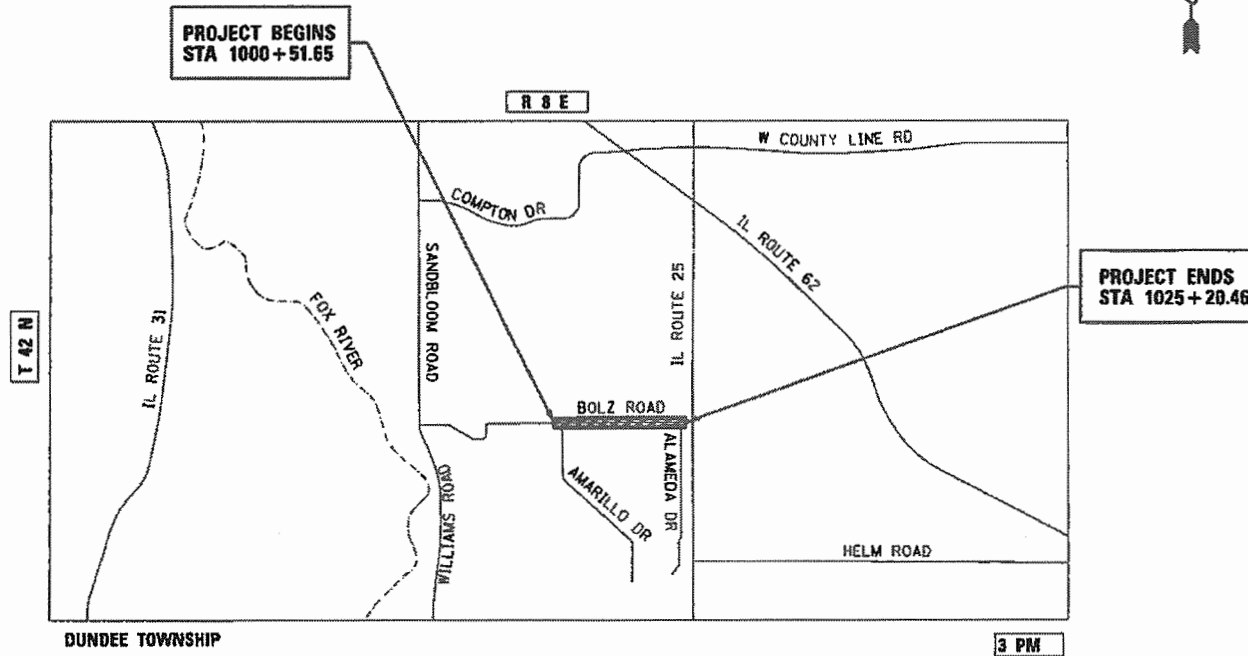
PROFESSIONAL ENGINEER'S SIGN & SEAL
EXCLUDING SHEET(S):

Jack Melhuish

JACK R. MELHUISE, P.E.
EXPIRES: 11-30-2021

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. RTE 2298 BOLZ ROAD
FROM THE VILLAGE LIMIT AT AMARILLO DRIVE
TO WEST OF ALAMEDA DRIVE
SECTION: 17-00091-00-FP
PROJECT: A1J7(080)
RECONSTRUCTION PROJECT
VILLAGE OF CARPENTERSVILLE
KANE COUNTY
JOB: C-91-380-19



LOCATION MAP
VILLAGE OF CARPENTERSVILLE
N.T.S.

PROJECT LENGTH

NET AND GROSS LENGTH OF PROJECT = 2468.81 FT. = 0.47 MILES

PROJECT ENGINEER: J. HORWITZ
PROJECT MANAGER: J. MELHUISE

CONTRACT NO. 61G83

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED OCT. 5th 20 20
ED 32402W 2021
VILLAGE OF CARPENTERSVILLE

PASSED NOV 2 20 20
CP Road
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED REVIEW NOVEMBER 2 20 20
Andy J. Quigley REGIONAL ENGINEER

420 NORTH FRONT STREET, SUITE 100 | McHENRY, ILLINOIS 60050
Phone: 815.385.1778 | Toll Free: 800.728.7905 | Fax: 815.385.1781 | HRGreen.com
ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

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OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL

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STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CURB FOR SIDEWALKS
601001-05	PIPE UNDERDRAINS
604001-05	FRAME AND LIDS, TYPE 1
604051-04	FRAME AND GRATE, TYPE 11
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS- DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATION OF TYPE A AND B METAL POSTS (FOR SIGNS AND MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
836001-04	LIGHT POLE FOUNDATION

DISTRICT ONE DETAILS

BD01	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ TO 15 FT
BD48	PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER
BD51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC22	ARTERIAL ROAD INFORMATION SIGN

HRG PROJECT NO. 160325
 HRG PROJ. CONTACT:
 P.L.E. NAME: 160325.spr_germonte-01.dgn
 PLOT DATE: 11/22/2020
 PEN TABLE: plotTable.tbl



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	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - JRM	REVISED -
PLOT DATE = 11/22/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS & DISTRICT ONE DETAILS
BOLZ ROAD**

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61G83	

GENERAL NOTES

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, APRIL 1, 2016. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 IDOT AT (847) 705-4436 AND THE VILLAGE OF CARPENTERSVILLE AT (224) 293-1613 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W. UNLESS OTHERWISE NOTED.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.
- ALL SIGNS TO BE REMOVED ALONG BOLZ ROAD SHALL REMAIN THE PROPERTY OF THE VILLAGE OF CARPENTERSVILLE AND SHALL BE RETURNED TO VILLAGE UPON REMOVAL AT 1075 TAMARAC DRIVE, CARPENTERSVILLE, IL. SIGNS TEMPORARILY RELOCATED OR COVERED SHALL NOT BECOME THE PROPERTY OF THE VILLAGE UNTIL PERMANENTLY REMOVED.
- CURB RAMPS SHALL BE INSTALLED AT ALL INTERSECTING STREETS AND DRIVEWAYS PER CURRENT IDOT STANDARDS AT LOCATIONS WHERE SIDEWALK IS SHOWN ON THE PLAN.
- THE THICKNESSES OF HOT MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE HOT MIX ASPHALT MIXTURES ARE TO BE PLACED.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY WITHOUT WRITTEN CONSENT FROM THE VILLAGE OF CARPENTERSVILLE.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL EXISTING MAILBOXES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND AFTER COMPLETION OF ROADWAY CONSTRUCTION, TO SET THEM IN THEIR PERMANENT LOCATIONS PER UNITED STATES POST OFFICE REQUIREMENTS. THIS WORK SHALL BE DONE IN CONFORMANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
- PAVEMENT REMOVAL SHALL BE CARRIED OUT WITHOUT DAMAGING ADJACENT CONCRETE PAVEMENT TO REMAIN IN PLACE OR ANY UNDERGROUND UTILITIES. HEAVY BREAKING EQUIPMENT SUCH AS MULTI-HEAD CONCRETE PAVEMENT BREAKERS (ACCORDION STYLE) SHALL NOT BE USED IN THE REMOVAL OPERATION. THE CONCRETE PAVEMENT SHALL NOT BE BROKEN IN PLACE OR JACK HAMMERED. THE PAVEMENT SHALL BE SAW CUT TO FULL DEPTH AND RESULT IN A CLEAN STRAIGHT EDGE. ANY DAMAGE TO PAVEMENT TO REMAIN OR UNDERGROUND UTILITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES ALONG THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND AT CONTRACTOR'S OWN EXPENSE. NO FURTHER COMPENSATION WILL BE PROVIDED TO THE CONTRACTORS.
- A 5FT DIAMETER 4IN THICK MULCH BED SHALL BE ADDED TO ANY EXISTING TREES TO REMAIN.

STORM SEWERS, WATER MAINS, AND UTILITIES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF CARPENTERSVILLE IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE VILLAGE WITHIN THE CONTRACT.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- UNLESS OTHERWISE NOTED, OFFSETS FOR DRAINAGE STRUCTURES LOCATED IN CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT AND OFFSETS FOR DRAINAGE STRUCTURES NOT LOCATED IN THE CURB AND GUTTER ARE TO THE CENTER OF THE STRUCTURE.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED.

- WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION, NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY AND BE DELIVERED TO THE VILLAGE OF CARPENTERSVILLE, AS APPLICABLE.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- CONTRACTOR SHALL MAINTAIN THE CONVEYANCE OF ALL FLOWS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS, CULVERTS, AND OTHER DRAINAGE FACILITIES. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME THAT THE PERMANENT CONNECTIONS WITH SEWERS OR CULVERTS ARE BUILT AND IN SERVICE.
- ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON WATER STRUCTURES SHALL BEAR THE WORD "WATER." ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM." ALL LIDS TO BE USED ON SANITARY SYSTEM STRUCTURES SHALL BEAR THE WORD "SANITARY". REFER TO THE VILLAGE OF CARPENTERSVILLE DETAILS FOR ORDERING INFORMATION OR CONTACT THE DEPARTMENT OF PUBLIC WORKS.
- ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED.
- ALL DRAINAGE STRUCTURES LOCATED IN THE ROADWAY VERTICAL CURVE SAGS (LOW-POINTS) SHALL HAVE 4" SUB-SURFACE PAVEMENT DRAIN OPENINGS BLOCKED OUT (PRECAST) AS SHOWN IN THE PLAN DETAILS FOR UNDER DRAIN CONNECTIONS. CONTRACTOR SHALL NOTE THAT STRUCTURE.
- THE INDISCRIMINATE USE OF FIRE HYDRANTS OR EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THE WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE ENGINEER PRIOR TO USE OF THE WATER.

BACKFILL

- STORM SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
- PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE.

SIGNING AND STRIPING

- SEE IDOT STANDARD DETAIL 780001, DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED.
- LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 729 OF THE STANDARD SPECIFICATIONS.
- ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED.

EARTHWORK

- SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS BEFORE REMOVAL OF ANY UNSTABLE MATERIAL.
- PRIOR TO ANY EMBANKMENT PLACEMENT, ALL VEGETATION AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIRING AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANKS (LUST) CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

SEDIMENTATION AND EROSION CONTROL

- SEE EROSION CONTROL PLANS FOR GENERAL NOTES CONCERNING EROSION CONTROL.

LIGHTING PLANS

- SEE LIGHTING PLANS FOR GENERAL NOTES CONCERNING LIGHTING DESIGN.

HRG PROJECT NO.: 160325
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 HRG PROJECT NO.: 160325



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	DRAWN - JCH	REVISED -
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PLOT DATE = 11/22/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
BOLZ ROAD**

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	3
CONTRACT NO. 61C83			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE		
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0004
20101100	TREE TRUNK PROTECTION	EACH	44	44		
20101200	TREE ROOT PRUNING	EACH	44	44		
20200100	EARTH EXCAVATION	CU YD	4,425	4,425		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3,243	3,243		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2,875	2,875		
25000210	SEEDING, CLASS 2A	ACRE	1.00	1.00		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	54	54		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	54	54		
25100630	EROSION CONTROL BLANKET	SQ YD	2,875	2,875		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	60	60		
28000400	PERIMETER EROSION BARRIER	FOOT	291	291		
28000510	INLET FILTERS	EACH	24	24		
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2,875	2,875		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	3,099	3,099		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	9,475	9,475		
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	2,135	2,135		

* SPECIAL PROVISION
+ SPECIALTY ITEM

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PLOT SCALE =	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE = 10/28/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
BOLZ ROAD			
SCALE: N.T.S.	SHEET 1	OF 5 SHEETS	STA. TO STA.

F.A.U. RTE. 2298	SECTION NO. 17-00091-00-FP	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 4
FED. ROAD DIST. NO.		[ILLINOIS] FED. AID PROJECT		
CONTRACT NO. 61G83				

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE		
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0004
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	674	674		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	17,000	17,000		
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-19.5, MIX "D", N50	TON	76	76		
40701876	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"	SQ YD	8,063	8,063		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	193	193		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	11,109	11,109		
42400800	DETECTABLE WARNINGS	SQ FT	89	89		
44000100	PAVEMENT REMOVAL	SQ YD	8,092	8,092		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	932	932		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,926	4,926		
44000600	SIDEWALK REMOVAL	SQ FT	8,459	8,459		
+ 56104900	WATER VALVES 6"	EACH	1			1
+ 56105000	WATER VALVES 8"	EACH	1			1
+ 56105200	WATER VALVES 12"	EACH	11			11
+ 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	7			7
+ 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	7			7

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+ SPECIAL PROVISION
+ SPECIALTY ITEM

HRG PROJECT NO.: 160325
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PLOT SCALE =	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE = 10/28/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
BOLZ ROAD			
SCALE: N.T.S.	SHEET 2	OF 5 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G83	

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE		
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0004
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	73	73		
60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2			2
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11			11
60251500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	13	13		
60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	11	11		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4,929	4,929		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8		
67100100	MOBILIZATION	L SUM	1	1		
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2,977	2,977		
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	14	14		
+ 72000100	SIGN PANEL - TYPE 1	SQ FT	40	40		
+ 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	12	12		
+ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	194	194		
+ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	9	9		
+ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,926	4,926		
+ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	61	61		

+ SPECIAL PROVISION
+ SPECIALTY ITEM

HRC PROJECT NO.: 160325
 HRC PROJ. CONTACT:
 FILE NAME: 160325_sht_500.dgn
 PLOT DRIVER: hrc.plt
 PEN TABLE: hrc.tbl



USER NAME = dstancz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE = 10/28/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
BOLZ ROAD**

SCALE: N.T.S. SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE. 2298	SECTION NO. 17-00091-00-FP	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 6
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61G83	

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE		
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0004
+ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	61	61		
+ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	96	96		
+ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2,469	2,469		
+ 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1	
+ 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1	
+ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	789		789	
+ 81603060	UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.10 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,375		2,375	
+ 81702440	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	50		50	
+ 82110006	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	10		10	
+ 82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1		1	
+ 83008300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	10		10	
+ 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	80		80	
+ 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	10		10	
	K0036120 MULCH PLACEMENT 4"	SQ YD	100	100		
+ X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	20		20	
* + X0325714	FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION	EACH	2	2		

+ SPECIAL PROVISION
+ SPECIALTY ITEM

HRC PROJECT NO: #60325
HRC PROJ CONTACT:
FILE NAME: #60325.sht_500.dgn
PLOT DRIVER: L:\p\l\dwg\hrcfg
PEN TABLE: plot\hrcfg.tbl



USER NAME = dstancz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE = 10/28/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
BOLZ ROAD**

SCALE: N.T.S. SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U RTE. 2298	SECTION NO. 17-00091-00-FP	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G83	

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	CONSTRUCTION CODE		
				ROADWAY 80% FEDERAL 20% STATE 0004	LIGHTING 80% FEDERAL 20% STATE 0021	100% LOCAL 0004
X0326806	WASHOUT BASIN	L SUM	1	1		
X2080250	TRENCH BACKFILL, SPECIAL	CU YD	42			42
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100		
+ X5610746	WATER MAIN LINE STOP 6"	EACH	1			1
+ X5610748	WATER MAIN LINE STOP 8"	EACH	1			1
+ X5610752	WATER MAIN LINE STOP 12"	EACH	4			4
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
* X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	31	31		
* X6026056	SANITARY MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	7	7		
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	26	26		
Δ Z0076600	TRAINEES	HOUR	1,000	1,000		
Δ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000		

+ SPECIAL PROVISION
+ SPECIALTY ITEM
Δ 0042

HRC PROJECT NO. 160325
HRC PROJ. CONTACT:
FILE NAME: 160325_sht_500.dgn
PLOT DRIVER: L.plt
PEN TABLE: plottbl.tbl



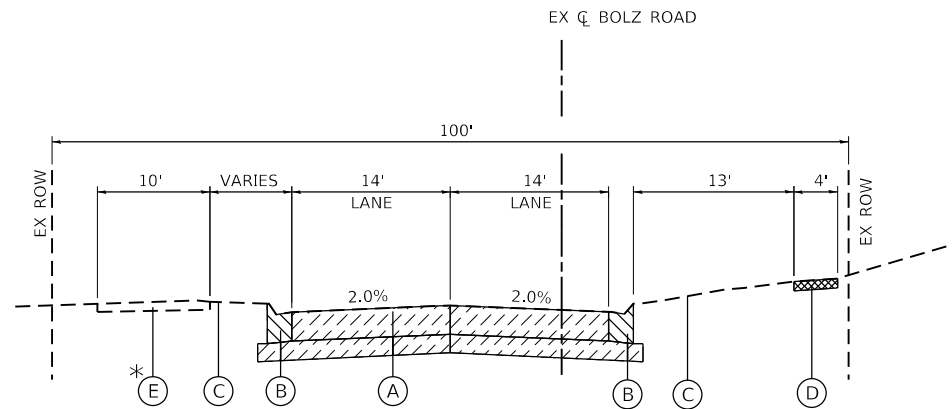
USER NAME = dstanez	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE = 10/28/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
BOLZ ROAD**

SCALE: N.T.S. SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE. 2298	SECTION NO. 17-00091-00-FP	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 8
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 61G83				



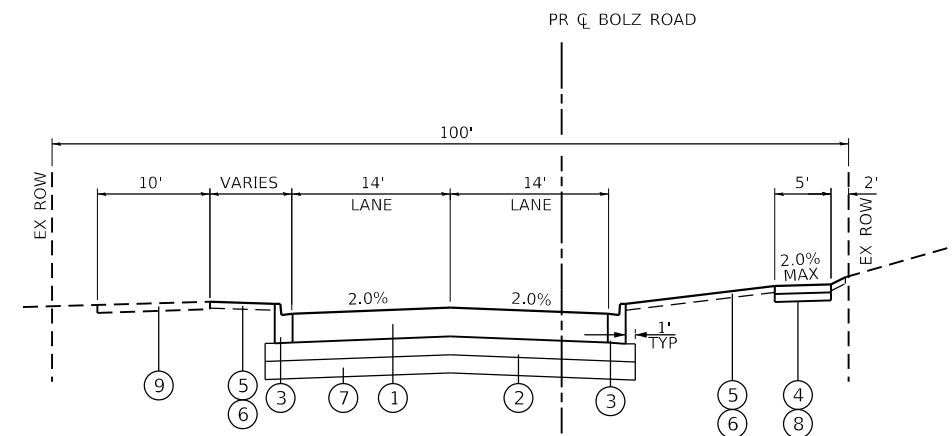
EXISTING BOLZ ROAD

STA 1000+51.65 TO STA 1025+20.46

* THIS PATH IS BEING CONSTRUCTED BY OTHERS UNDER CONTRACT 61G02

EXISTING TYPICAL SECTION LEGEND

- (A) PORTLAND CEMENT CONCRETE PAVEMENT, 8-1/2" - 9-1/4" AGGREGATE BASE COURSE, 5" - 7-3/4"
 - (B) COMBINATION CONCRETE CURB AND GUTTER
 - (C) EXISTING GROUND
 - (D) PORTLAND CEMENT CONCRETE SIDEWALK
 - (E) EXISTING MULTI-USE PATH
- PAVEMENT REMOVAL
 - SIDEWALK REMOVAL
 - COMBINATION CONCRETE CURB AND GUTTER REMOVAL



PROPOSED BOLZ ROAD

STA 1000+51.65 TO STA 1025+20.46

PROPOSED TYPICAL SECTION LEGEND

- (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4"
- (2) AGGREGATE SUBGRADE IMPROVEMENT, 12" (SQ YD)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (4) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (5) TOPSOIL FURNISH AND PLACE, 4"
- (6) SEEDING, CLASS 2A
- (7) AGGREGATE SUBGRADE IMPROVEMENT (CU YD)
- (8) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (9) EXISTING MULTI-USE PATH

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 3/4": BOLZ ROAD	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 1-1/2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 8-1/4"	4% @ 70 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N50; (IL 9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); 6"	4% @ 50 GYR.

NOTES:

- THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIAL SEE SPECIAL PROVISIONS UNLESS MODIFIED BY SPECIAL PROVISIONS.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DETERMINED OF THE ENGINEER AT CONTRACTOR EXPENSE.

PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

THE ACTUAL LOCATIONS FOR AGGREGATE SUBGRADE IMPROVEMENT (CY YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND THE GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR EMBANKMENT IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SPT-1.dwg
 PEN TABLE: 160325.dwg



USER NAME = dstencz	DESIGNED - JRM	REVISED -
PLOT SCALE =	DRAWN - JCH	REVISED -
PLOT DATE = 11/22/2020	CHECKED - JRM	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
BOLZ ROAD**

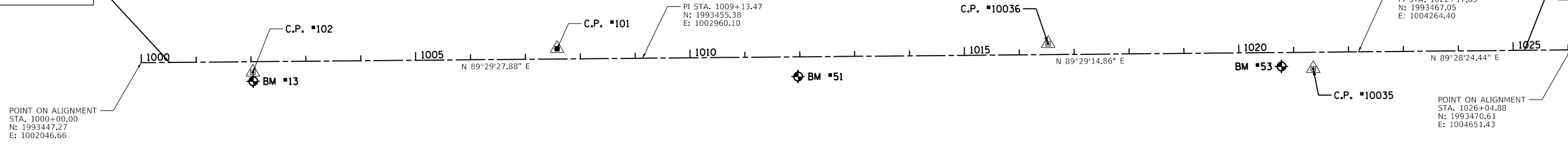
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. 1000+51.65 TO STA. 1025+20.46

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	9
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROJECT LIMITS
STA. 1000+51.65

PROJECT LIMITS
STA. 1025+20.46



POINT ON ALIGNMENT
STA. 1000+00.00
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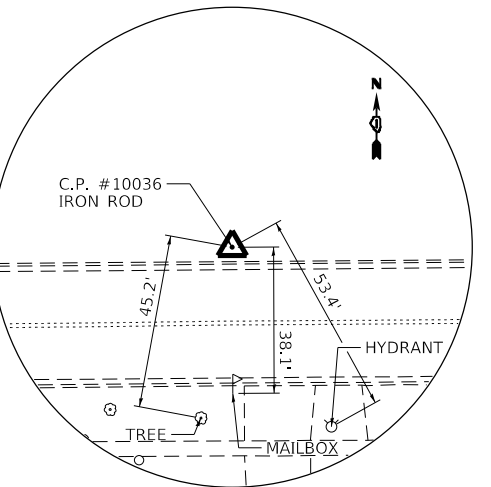
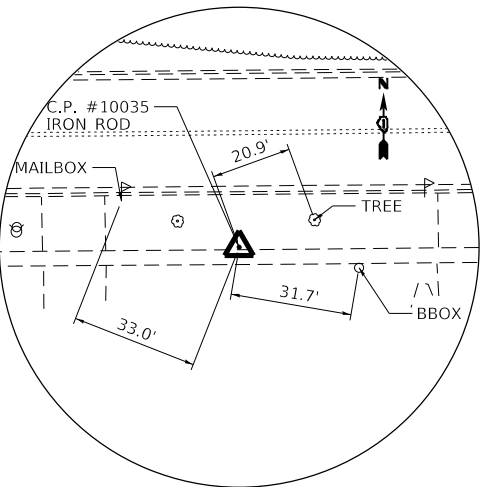
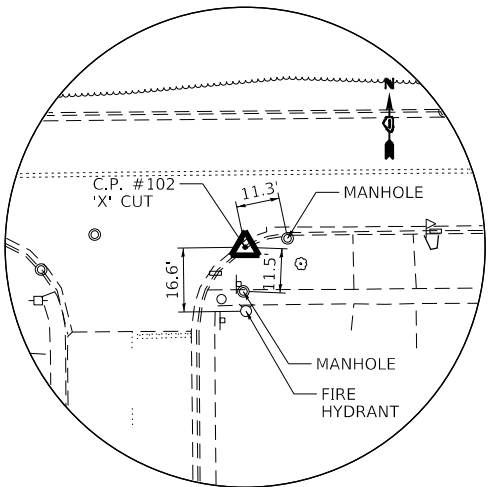
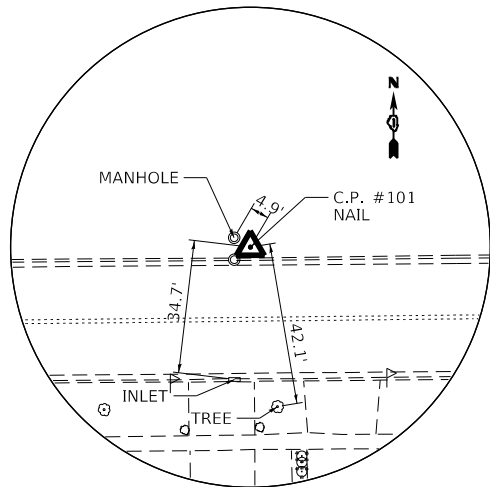
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CONTROL POINT #102
N: 1993429.844
E: 1002250.011

CONTROL POINT #10035
N: 1993436.378
E: 1004182.303

CONTROL POINT #10036
N: 1993481.928
E: 1003699.011



BENCHMARKS

SOURCE BENCHMARK #13: HLR B.M. #13 AS SHOWN UPON THE PLANS FOR LONGMEADOW PARKWAY (ALIGNMENT, TIES & BENCHMARKS), PREPARED BY CMT, DATED 03/05/2015. FIRE HYDRANT NORTHEAST BOLT WITH CUT "X" ON SOUTHEAST CORNER OF AMARILLO DRIVE AND BOLZ ROAD. ELEV = 862.95 (NAVD 88)

BENCHMARK #51: NORTH "ARROW" BOLT ON THE FIRE HYDRANT AT THE SOUTHWEST CORNER OF BOLZ ROAD AND ENSENADA DRIVE. ELEV = 883.61 (NAVD 88)

BENCHMARK #53: NORTHWEST BOLT ON THE FIRE HYDRANT ON THE SOUTH SIDE OF BOLZ ROAD, BETWEEN HOUSE #113 AND 111. ELEV = 891.16 (NAVD 88)

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325_SPT.dwg
 PEN TABLE: 160325.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
PLOT SCALE =	DRAWN - JCH	REVISED -
PLOT DATE = 11/22/2020	CHECKED - JRM	REVISED -
	DATE -	REVISED -

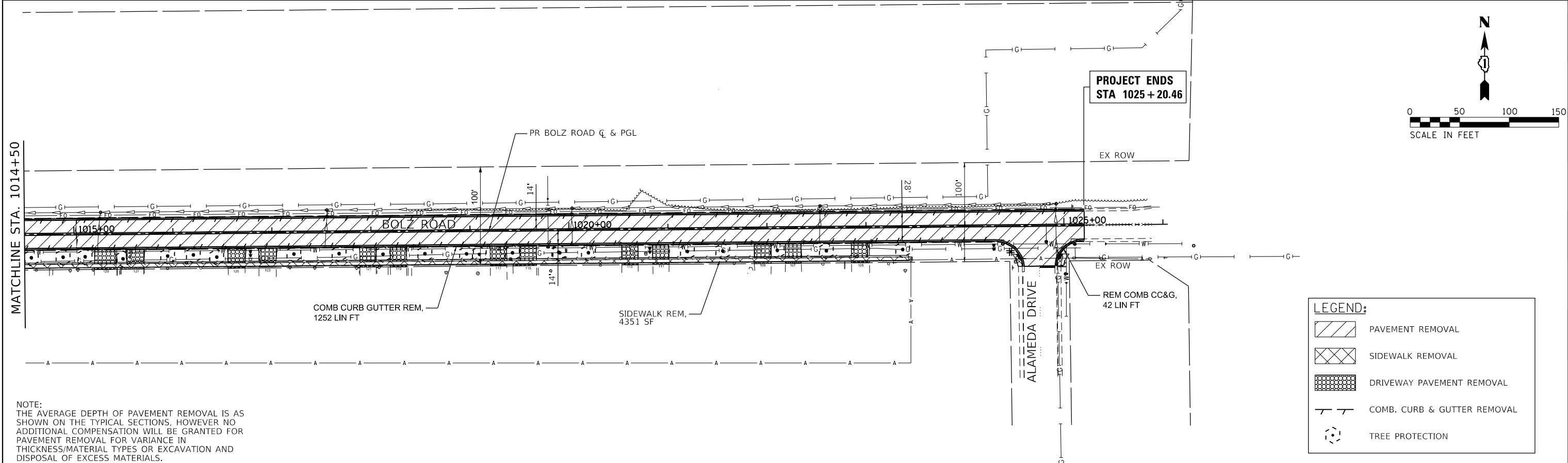
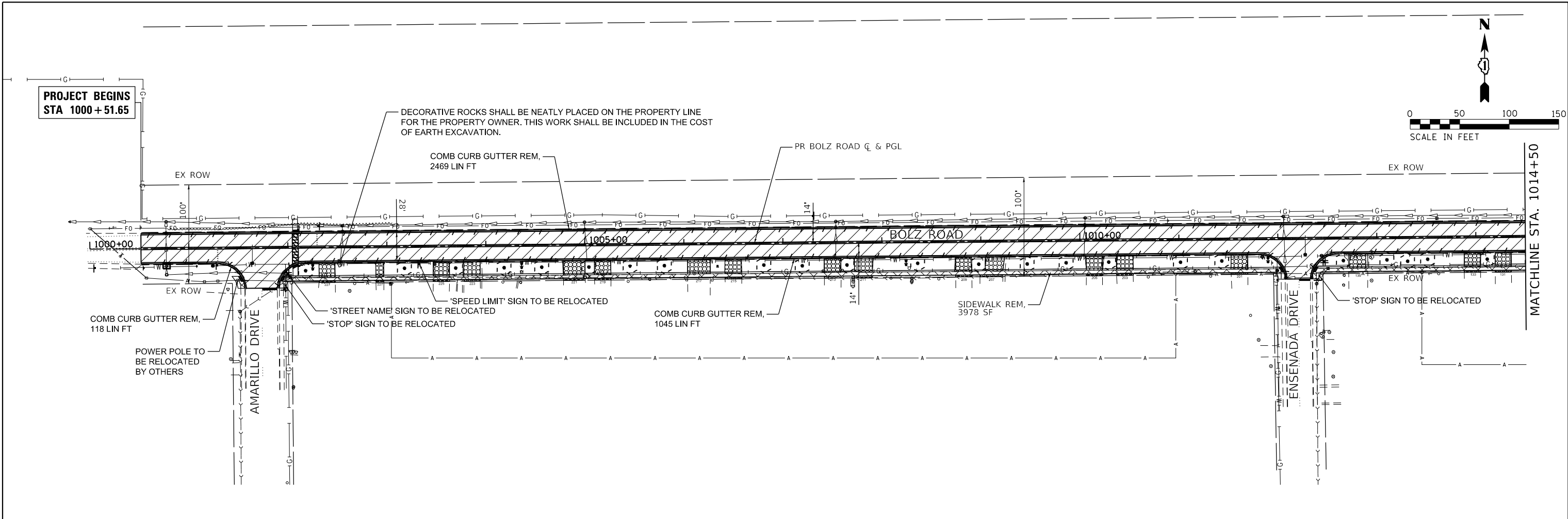
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES & BENCHMARKS
BOLZ ROAD**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	10
CONTRACT NO. 61G83				

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



NOTE:
 THE AVERAGE DEPTH OF PAVEMENT REMOVAL IS AS SHOWN ON THE TYPICAL SECTIONS, HOWEVER NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR PAVEMENT REMOVAL FOR VARIANCE IN THICKNESS/MATERIAL TYPES OR EXCAVATION AND DISPOSAL OF EXCESS MATERIALS.

HRG PROJECT NO. 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SPR-FRM-01.dgn
 PEN TABLE: 160325.tbl



USER NAME = dstancz	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - JRM	REVISED -
PLOT DATE = 11/22/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
 BOLZ ROAD**

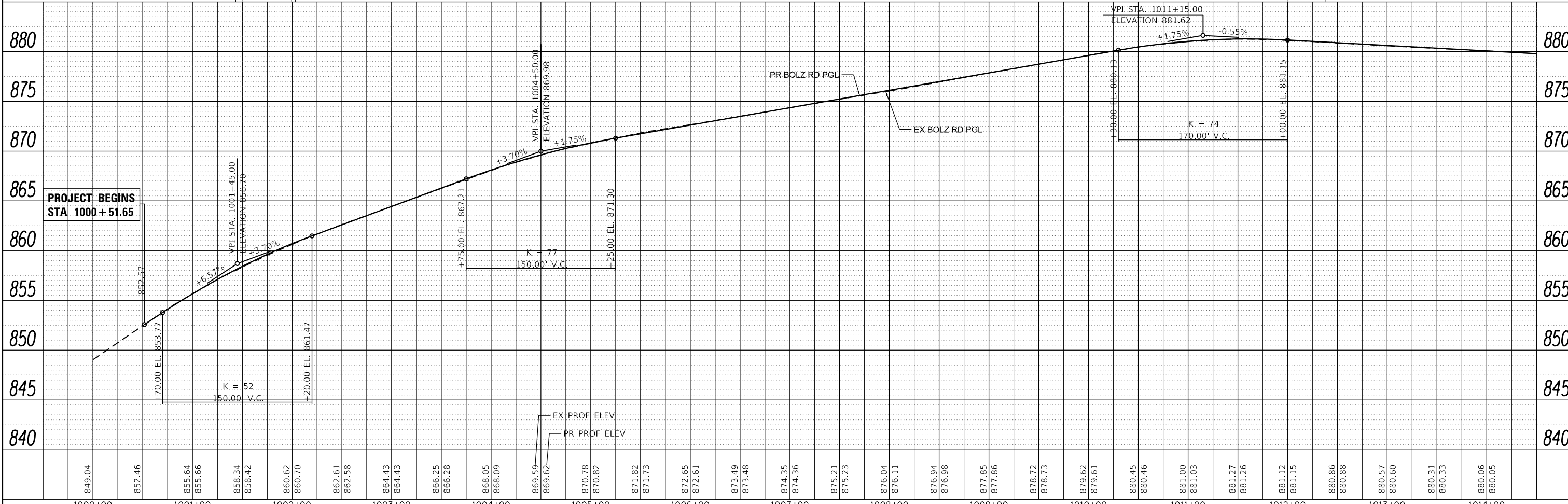
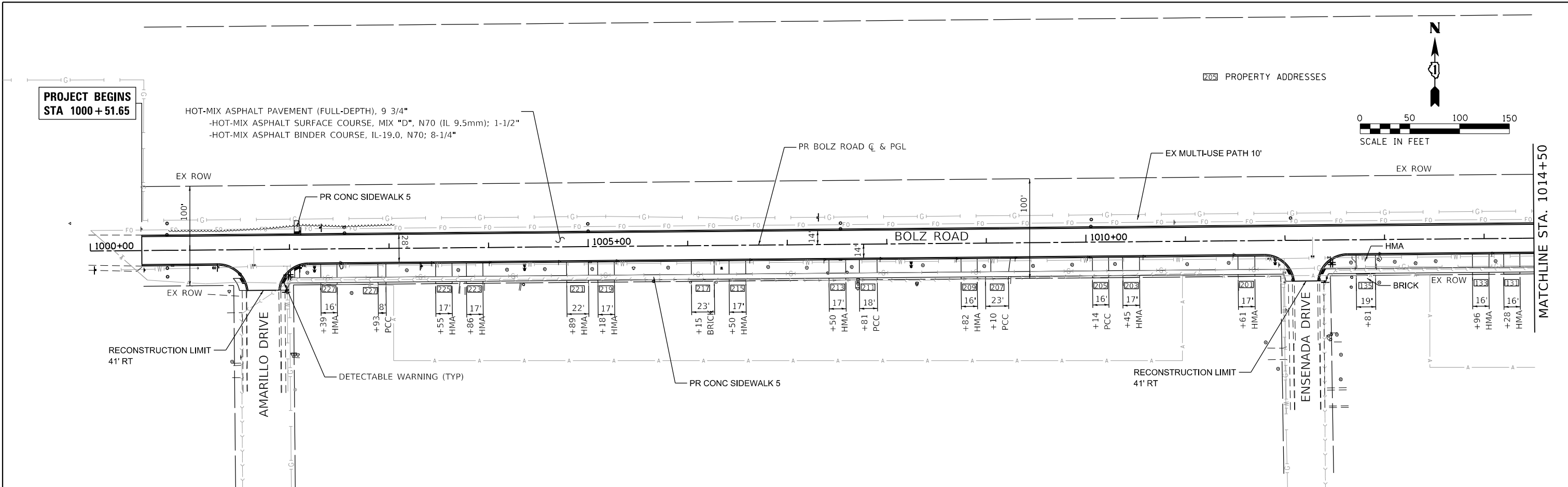
SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 1000+51.65 TO STA. 1025+20.46

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	11
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO.		

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SP1-PRF-01.dgn
 PEN TABLE: 160325.tbl



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1000+00	1001+00	1002+00	1003+00	1004+00	1005+00	1006+00	1007+00	1008+00	1009+00	1010+00	1011+00	1012+00	1013+00	1014+00																																									

HRGreen
 HRGreen.com
 Micro Professional Design Firm
 #184-001322

USER NAME	= dstancz
DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-
PLOT DATE	= 11/22/2020

REVISIED	-
REVISIED	-
REVISIED	-
REVISIED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 BOLZ ROAD**
 SCALE: 1"=50'
 SHEET 1 OF 2 SHEETS
 STA. 1000+51.65 TO STA. 1014+50

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	12
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
	NO. 6	
	NO. 7	
	NO. 8	
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	NO. 50	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	NO. 1	
	NO. 2	
	NO. 3	
	NO. 4	
	NO. 5	
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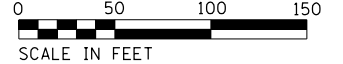
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 -HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 1-1/2"
 -HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 8-1/4"

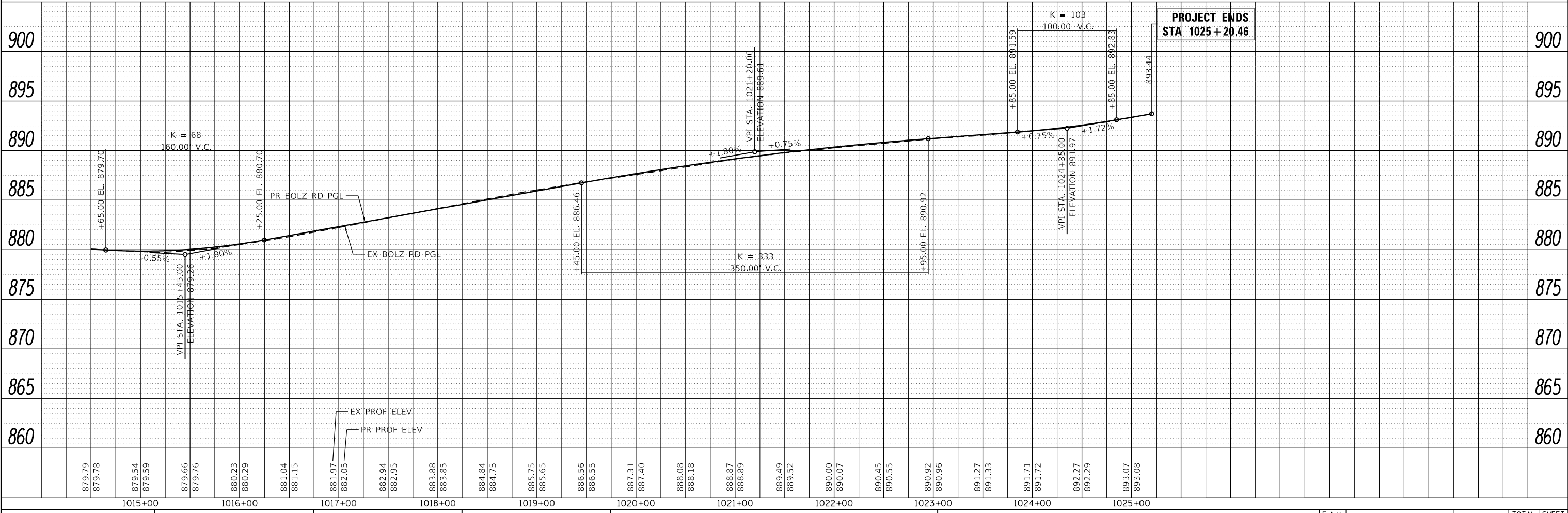
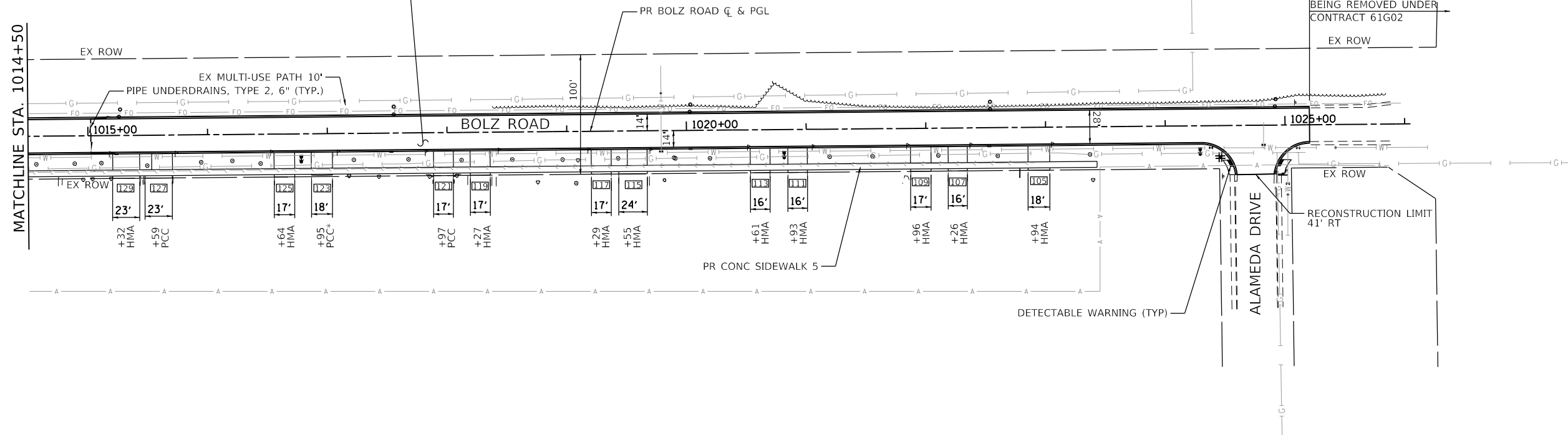
MATCHLINE STA. 1014+50

PROJECT ENDS
 STA 1025 + 20.46

BEING REMOVED UNDER
 CONTRACT 61G02



PROPERTY ADDRESSES



PROJECT ENDS
 STA 1025 + 20.46

USER NAME	= dstancz
DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-
PLOT SCALE	-
PLOT DATE	= 11/22/2020

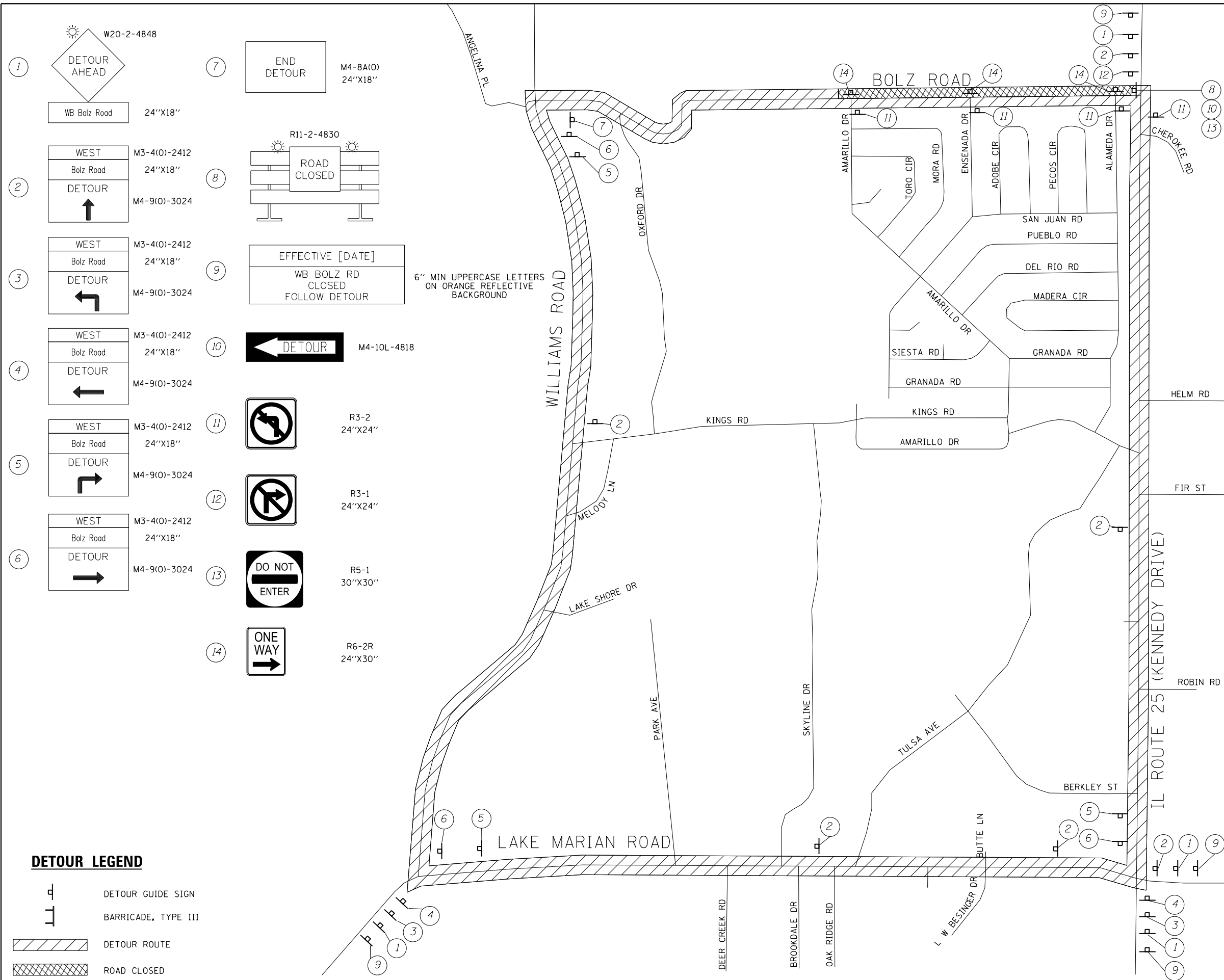
DESIGNED	- JRM	REVISED	-
DRAWN	- JCH	REVISED	-
CHECKED	- JRM	REVISED	-
DATE	-	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 BOLZ ROAD

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 1014+50 TO STA. 1025+20.46

F.A.U R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	13
				CONTRACT NO. 61G83
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

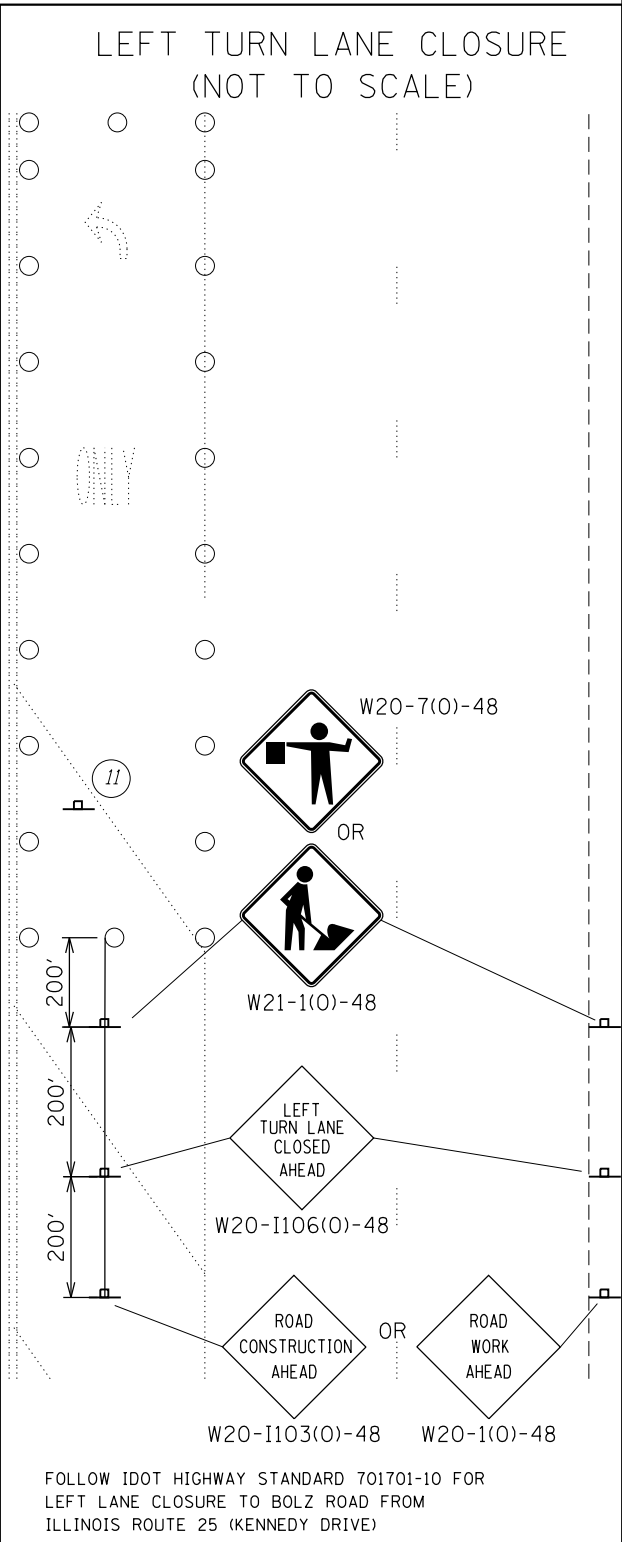


- 1 W20-2-4848
- 2 WB Bolz Road 24"X18"
- 3 WEST Bolz Road 24"X18"
- 4 M4-9(0)-3024
- 5 WEST Bolz Road 24"X18"
- 6 M4-9(0)-3024
- 7 M4-8A(0) 24"X18"
- 8 R11-2-4830
- 9 EFFECTIVE [DATE]
- 10 WB BOLZ RD CLOSED FOLLOW DETOUR
- 11 M4-10L-4818
- 12 R3-2 24"X24"
- 13 R3-1 24"X24"
- 14 R5-1 30"X30"
- 15 R6-2R 24"X30"

6" MIN UPPERCASE LETTERS ON ORANGE REFLECTIVE BACKGROUND

DETOUR LEGEND

- DETOUR GUIDE SIGN
- BARRICADE, TYPE III
- DETOUR ROUTE
- ROAD CLOSED



FOLLOW IDOT HIGHWAY STANDARD 701701-10 FOR LEFT LANE CLOSURE TO BOLZ ROAD FROM ILLINOIS ROUTE 25 (KENNEDY DRIVE)

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325_SPT-2_Detour.dgn
 PEN TABLE: 160325.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE = 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN	
BOLZ ROAD	
SCALE: N.T.S.	SHEET 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	14
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUGGESTED MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE TRAFFIC CONTROL PLAN SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
3. ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. ALL TEMPORARY PAVEMENT MARKINGS & TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT THE BEGINNING OF EACH STAGE, AND SHALL BE MAINTAINED FOR THE DURATION OF THAT STAGE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. A MINIMUM OF ONE (1) ELEVEN FOOT (11') LANE IN EACH DIRECTION SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES. A MINIMUM OF ONE (1) FIFTEEN FOOT (15') LANE WILL BE OPEN AT ALL TIMES ON ALL SIDE STREETS.
5. ALL PAVEMENT MARKINGS CONFLICTING WITH REVISED TRAFFIC PATTERNS SHALL BE REMOVED. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN WHEN THE TEMPORARY PAVEMENT MARKING CONFLICTS WITH THE PERMANENT PAVEMENT MARKING SUCH AS ON TAPERS OR LANE SHIFTS.
6. THE CONTRACTOR SHALL PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR ALL COMMERCIAL DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK WILL BE PAID FOR PER DISTRICT ONE DETAIL TC-26. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES AND TEMPORARY ROADS WITHIN THE PROJECT LIMITS. THIS WORK WILL BE INCLUDED IN THE COST OF TEMPORARY ACCESS (PRIVATE ENTRANCE) OR TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
7. A TEMPORARY HOT-MIX ASPHALT RAMP WEDGE TO TRANSITION THE DIFFERENTIAL ELEVATIONS CAUSED BY STAGED CONSTRUCTION SHALL BE INSTALLED BETWEEN THE NEW CONSTRUCTION AND THE EXISTING PAVEMENT. ANY PAVEMENT DROP-OFFS GREATER THAN 3 INCHES IMMEDIATELY ADJACENT TO TRAFFIC SHALL NOT BE LEFT OVERNIGHT. PROVIDE TEMPORARY BITUMINOUS RAMP WEDGE OR OTHER MITIGATING MEASURES APPROVED BY THE ENGINEER.
8. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY CHANGES IN STAGING AT LEAST TWO (2) WORKING DAYS IN ADVANCE.
10. TEMPORARY SIGNING, AS SHOWN, SHALL CONFORM TO THE APPLICABLE STANDARDS INCLUDED IN THE SPECIAL PROVISIONS AND CONTRACT PLANS OR AS DIRECTED BY THE ENGINEER.
11. ALL "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS.
12. ROAD NAME PLATES SHALL BE INSTALLED ON "ROAD CONSTRUCTION AHEAD" SIGNS AT INTERSECTIONS SHOWN ON THE PLANS.
13. ALL STATE ROUTE MARKERS SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT ALL STAGES OF CONSTRUCTION.
14. EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY HIS WORK SHALL BE REPLACED BY THE CONTRACTOR.
15. TRAFFIC CONTROL DEPICTED ON THE MAINTENANCE OF TRAFFIC PLANS IS THE MINIMUM REQUIREMENT. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER.
16. THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
17. TYPE I, TYPE II OR DRUM BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.
18. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
19. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.
20. THE CONTRACTOR SHALL REPLACE THE CENTER MEDIAN WITH TEMPORARY PAVEMENT AS SOON AS POSSIBLE TO PREVENT ANY WATER FROM ACCUMULATING IN THE MEDIAN. THE CONTRACTOR SHALL PUMP ANY WATER THAT ACCUMULATES IN THE MEDIAN BEFORE THE TEMPORARY PAVEMENT IS CONSTRUCTED. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "TEMPORARY PAVEMENT".
21. ANY SAW CUTTING OF THE EXISTING PAVEMENT FOR STAGE CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "PAVEMENT REMOVAL".
22. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.
23. A DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE WITH A "SIDEWALK CLOSED" SIGN AFFIXED, SHALL BE PLACED ON ALL SIDEWALKS CLOSED DUE TO CONSTRUCTION ACTIVITIES.
24. THE END OF ALL TEMPORARY CONCRETE BARRIER WALLS MUST BE TAPERED 8:1 AWAY FROM TRAFFIC. IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 ARE REQUIRED ON APPROACH ENDS OF TEMPORARY CONCRETE BARRIER WALL AS SHOWN IN PLANS.
25. ALL SCHOOL ZONE SIGNING SHALL BE MAINTAINED DURING ALL STAGES OF CONSTRUCTION.
26. ALL COMMERCIAL AND RESIDENTIAL DRIVEWAYS SHALL BE MAINTAINED DURING ALL STAGES OF CONSTRUCTION.

SUGGESTED MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING SEQUENCE OF CONSTRUCTION

PRE-STAGE - SUGGESTED MAINTENANCE OF TRAFFIC

INSTALL ARTERIAL ROAD INFORMATION SIGNING PER DISTRICT 1 DETAIL TC-22 A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION.

UTILIZE HIGHWAY STANDARD 701701 FOR "URBAN LANE CLOSURE, MULTILANE INTERSECTION." FOR ILLINOIS ROUTE 25.

STAGE 1 - CONSTRUCTION BOLZ ROAD

CONSTRUCT NORTHERN LANE OF PAVEMENT OF BOLZ ROAD.

PERFORM STORM SEWER ADJUSTMENT/RECONSTRUCTIONS.

STAGE 2 - SUGGESTED MAINTENANCE OF TRAFFIC BOLZ ROAD

ADJUST ADVANCED SIGNING ACCORDING TO THE PLANS FOR STAGE 2 CONSTRUCTION.

COVER OR REMOVE PERMANENT SIGNS AS NEEDED FOR STAGE 2 CONSTRUCTION.

REMOVE ALL CONFLICTING RAISED REFLECTIVE PAVEMENT MARKERS WITHIN THE PROJECT LIMITS.

REMOVE ALL CONFLICTING EXISTING AND TEMPORARY PAVEMENT MARKINGS FROM STAGE 1 ALONG BOLZ ROAD AND INSTALL TEMPORARY PAVEMENT MARKING AND TRAFFIC CONTROL FOR EASTBOUND LANE DROPS ACCORDING TO HIGHWAY STANDARD 701601.

INSTALL ALL TEMPORARY PAVEMENT MARKING AND TEMPORARY TRAFFIC CONTROL DEVICES FOR STAGE 2 CONSTRUCTION, SHIFT TRAFFIC.

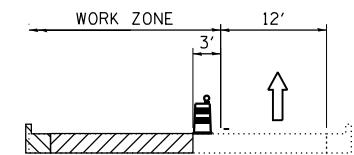
STAGE 2 - CONSTRUCTION BOLZ ROAD

CONSTRUCT SOUTHERN LANE OF PAVEMENT OF BOLZ ROAD.

PERFORM STORM SEWER ADJUSTMENT/RECONSTRUCTIONS.

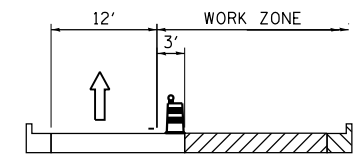
PERFORM WATER MAIN CONSTRUCTION.

SUGGESTED MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING TYPICAL SECTIONS



TYPICAL SECTION - STAGE 1 BOLZ ROAD

STA. 1000+51.65 TO STA. 1025+20.46



TYPICAL SECTION - STAGE 2 BOLZ ROAD

STA. 1000+51.65 TO STA. 1025+20.46

HRG PROJECT NO.: 160325
 HRG PROJ CONTACT:
 FILE NAME: 160325_SPT_mofgen.dgn
 PLOT DATE: 11/22/2020
 PEN TABLE: 160325.tbl



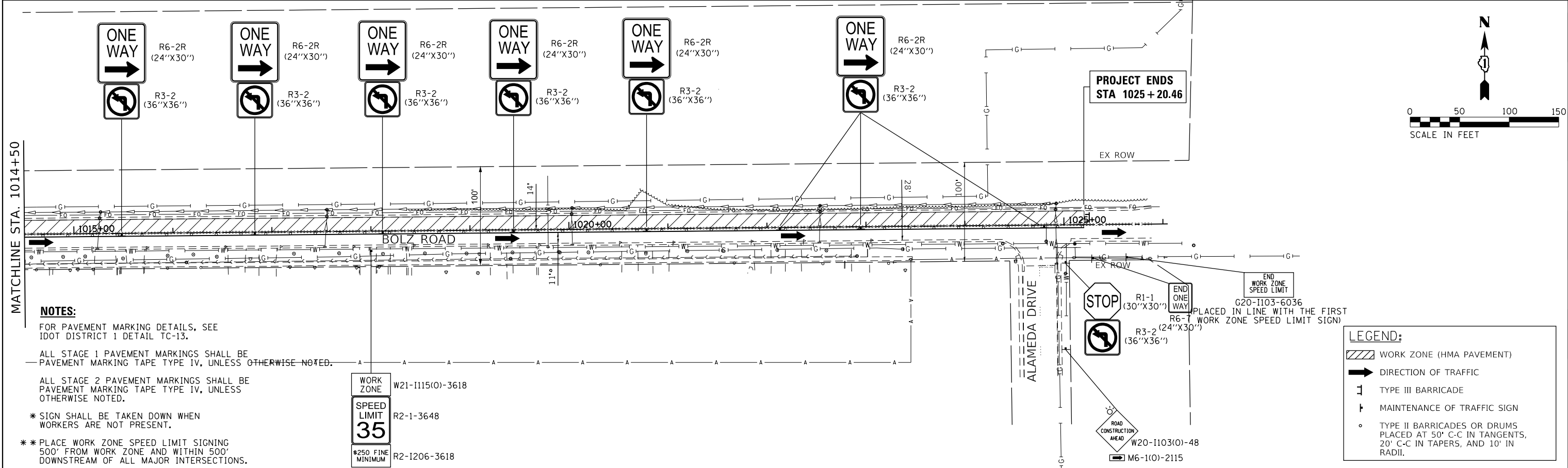
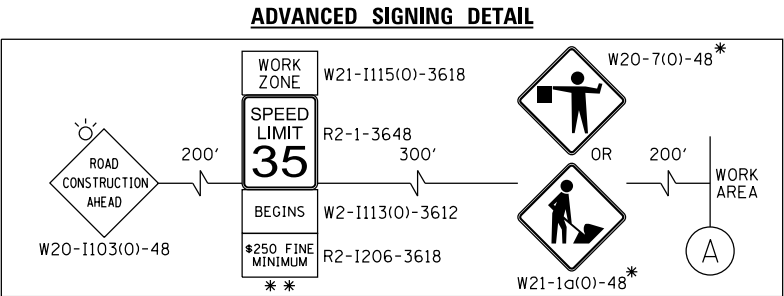
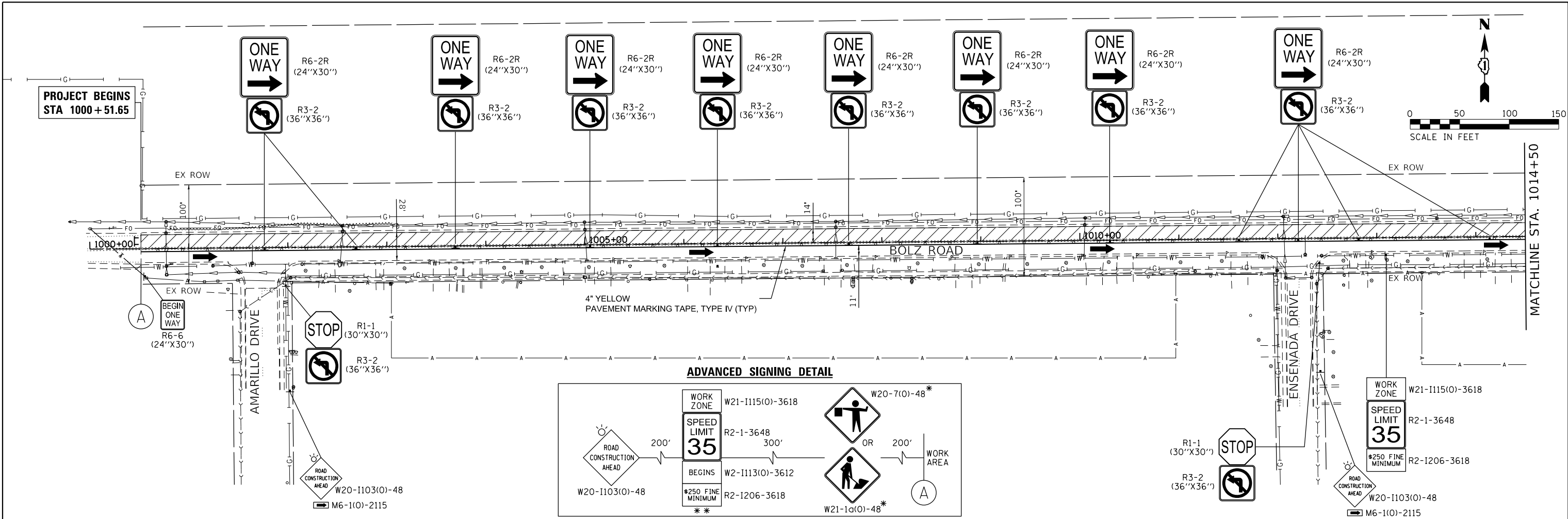
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	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE =	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE = 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
BOLZ ROAD**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	15
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTES:
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 ALL STAGE 1 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE TYPE IV, UNLESS OTHERWISE NOTED.
 ALL STAGE 2 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE TYPE IV, UNLESS OTHERWISE NOTED.
 * SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

- WORK ZONE (HMA PAVEMENT)
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPERS, AND 10' IN RADII.

HRG PROJECT NO. 160325
 HRG PROJ. CONTACT:
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 PEN TABLE: 160325.tbl

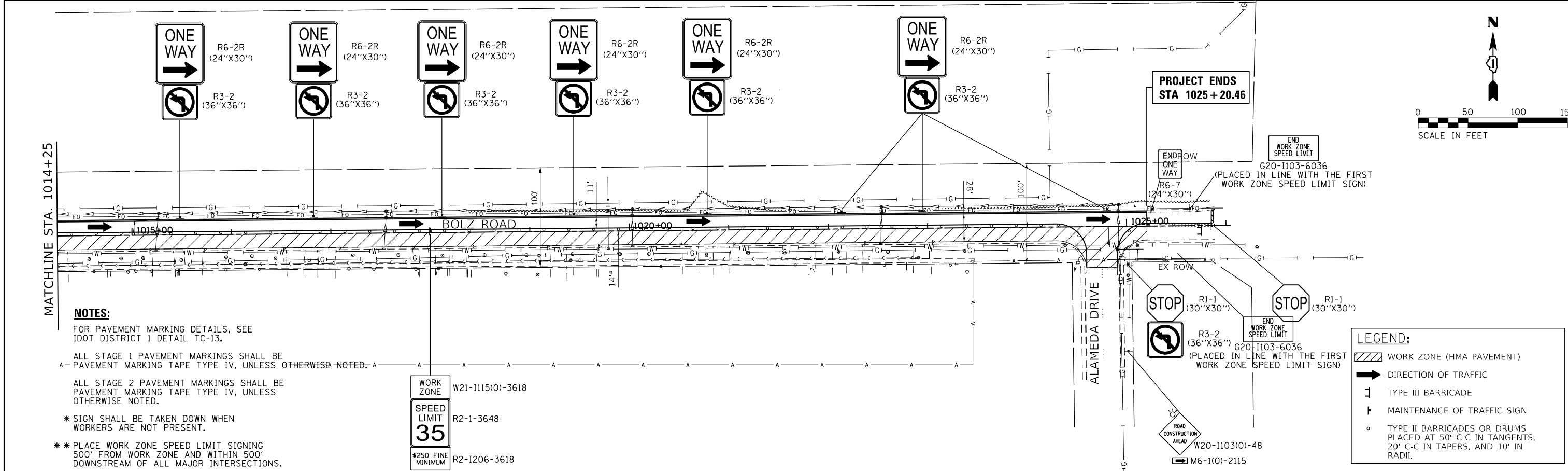
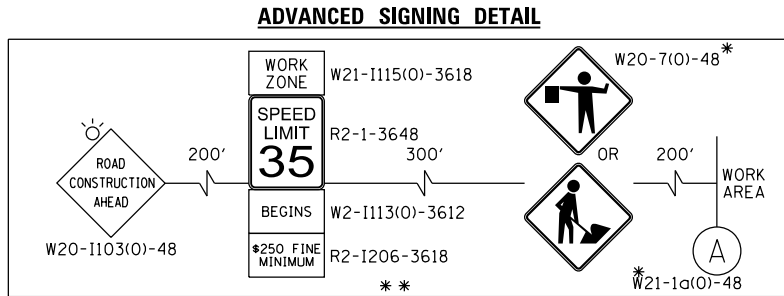
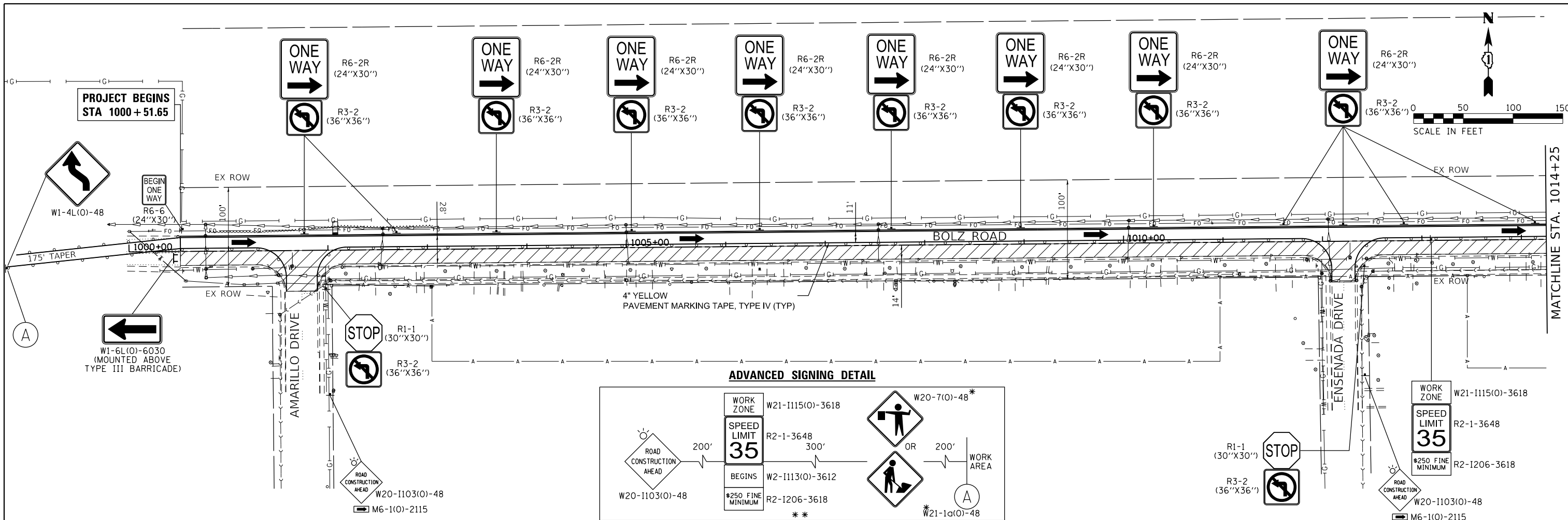


USER NAME = dstancz	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - JRM	REVISED -
PLOT DATE = 11/22/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC	
BOLZ ROAD	
SCALE: N.T.S.	SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 2298	SECTION NO. 17-00091-00-FP	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 16
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTES:
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 ALL STAGE 1 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE TYPE IV, UNLESS OTHERWISE NOTED.
 ALL STAGE 2 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE TYPE IV, UNLESS OTHERWISE NOTED.
 * SIGN SHALL BE TAKEN DOWN WHEN WORKERS ARE NOT PRESENT.
 ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

	WORK ZONE (HMA PAVEMENT)
	DIRECTION OF TRAFFIC
	TYPE III BARRICADE
	MAINTENANCE OF TRAFFIC SIGN
	TYPE II BARRICADES OR DRUMS PLACED AT 50' C-C IN TANGENTS, 20' C-C IN TAPERS, AND 10' IN RADII.

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SPT-mof-02.dgn
 PEN TABLE: 160325.tbl



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	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - JRM	REVISED -
PLOT DATE = 11/22/2020	DATE -	REVISED -

WORK ZONE W21-1115(0)-3618	
SPEED LIMIT 35 R2-1-3648	
\$250 FINE MINIMUM R2-1206-3618	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

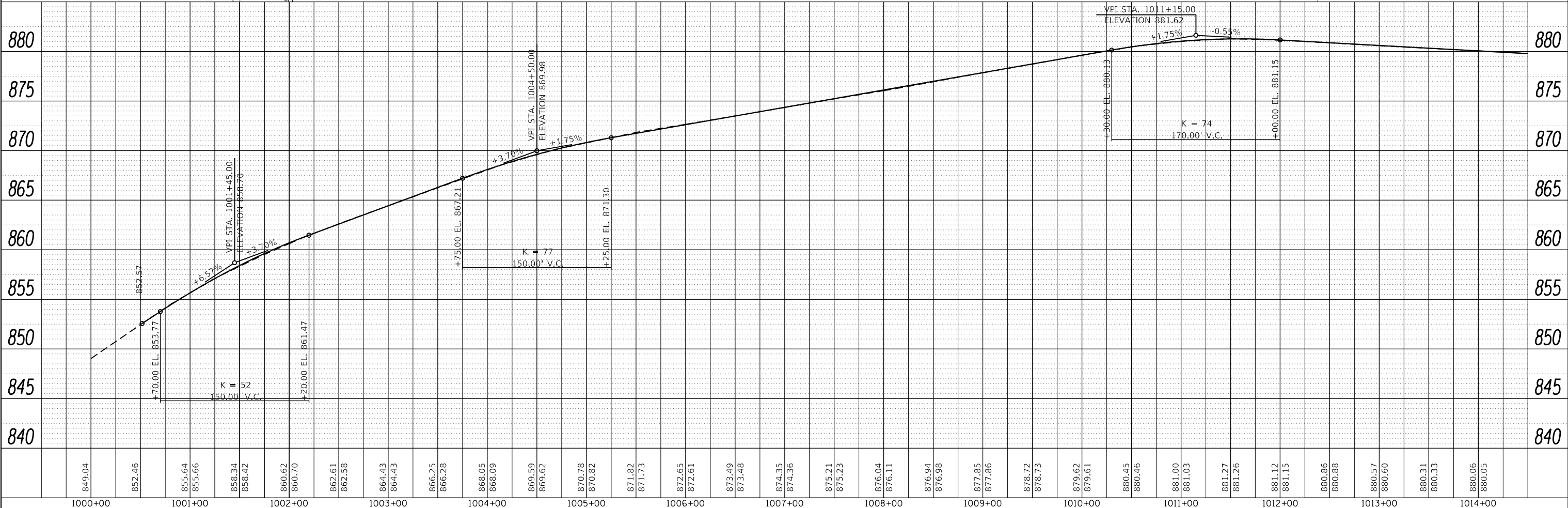
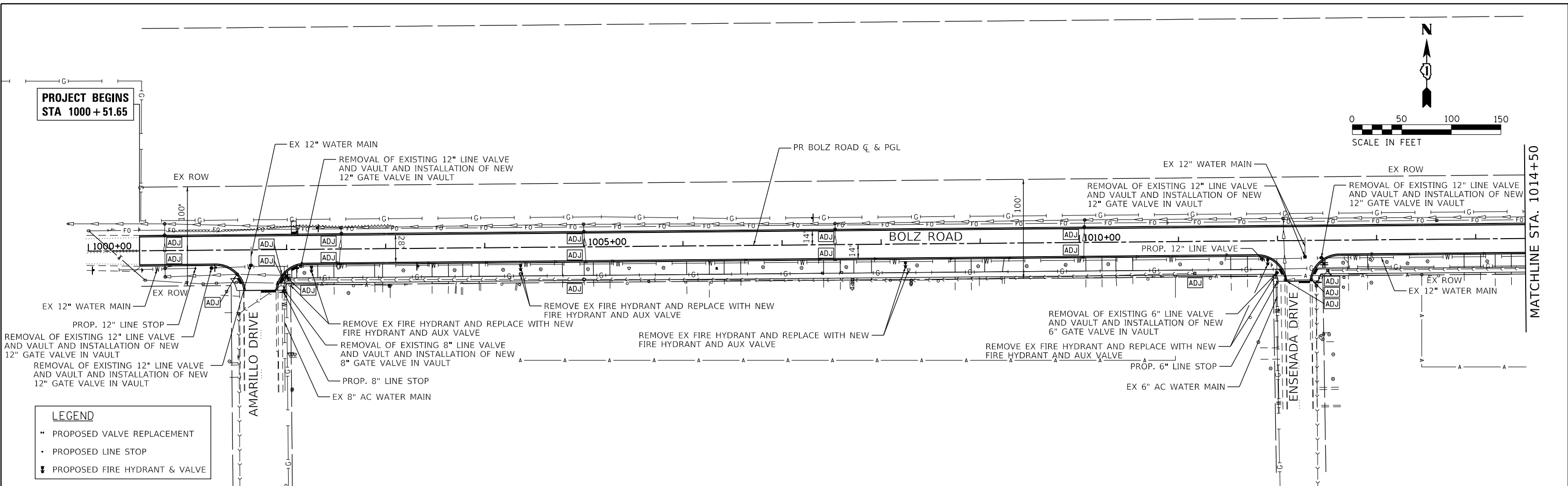
SUGGESTED MAINTENANCE OF TRAFFIC		
BOLZ ROAD		
SCALE: N.T.S.	SHEET 3 OF 3 SHEETS	STA. TO STA.

F.A.U. RTE. 2298	SECTION NO. 17-00091-00-FP	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 17
CONTRACT NO. 61C83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO. _____		
	FILE NAME _____		
	TABLE NO. _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO. _____		
	FILE NAME _____		
	TABLE NO. _____		

HRG PROJECT NO. 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SP1-UP-01.dgn
 PEN TABLE: 160325.tbl



1000+00	849.04	1001+00	852.46	1002+00	860.62	1003+00	864.43	1004+00	869.59	1005+00	870.82	1006+00	871.82	1007+00	874.35	1008+00	876.04	1009+00	877.85	1010+00	879.62	1011+00	881.00	1012+00	881.12	1013+00	880.57	1014+00	880.06

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 HRGreen.com
 Micro Professional Design Firm
 #184-001322

USER NAME =	dstencz
DESIGNED =	JRM
DRAWN =	JCH
CHECKED =	JRM
DATE =	11/22/2020

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

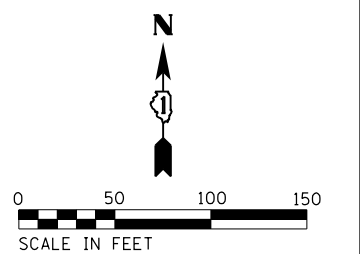
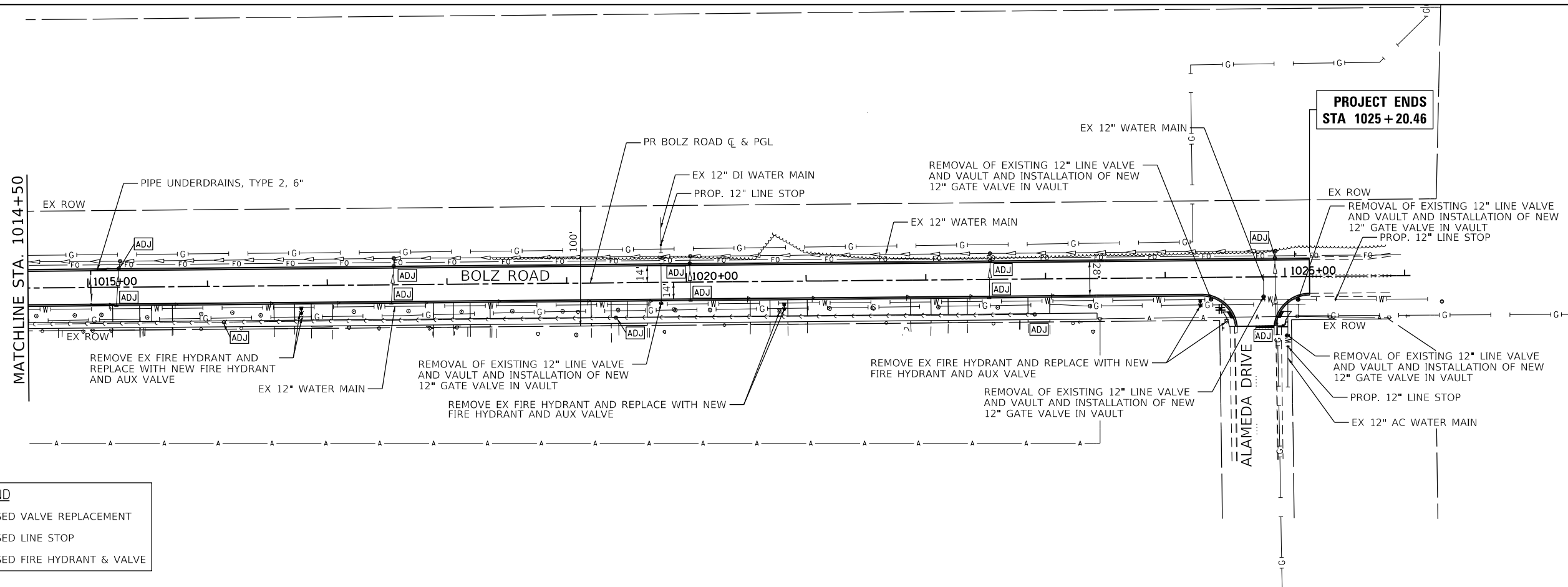
UTILITY PLAN AND PROFILE BOLZ ROAD			
SCALE: 1"=50'	SHEET 1	OF 3 SHEETS	STA. 1000+51.65 TO STA. 1014+50

F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	18
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
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	STRUCTURE NOTATIONS CHECKED	
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	FILE NAME	
	TABLE NO.	

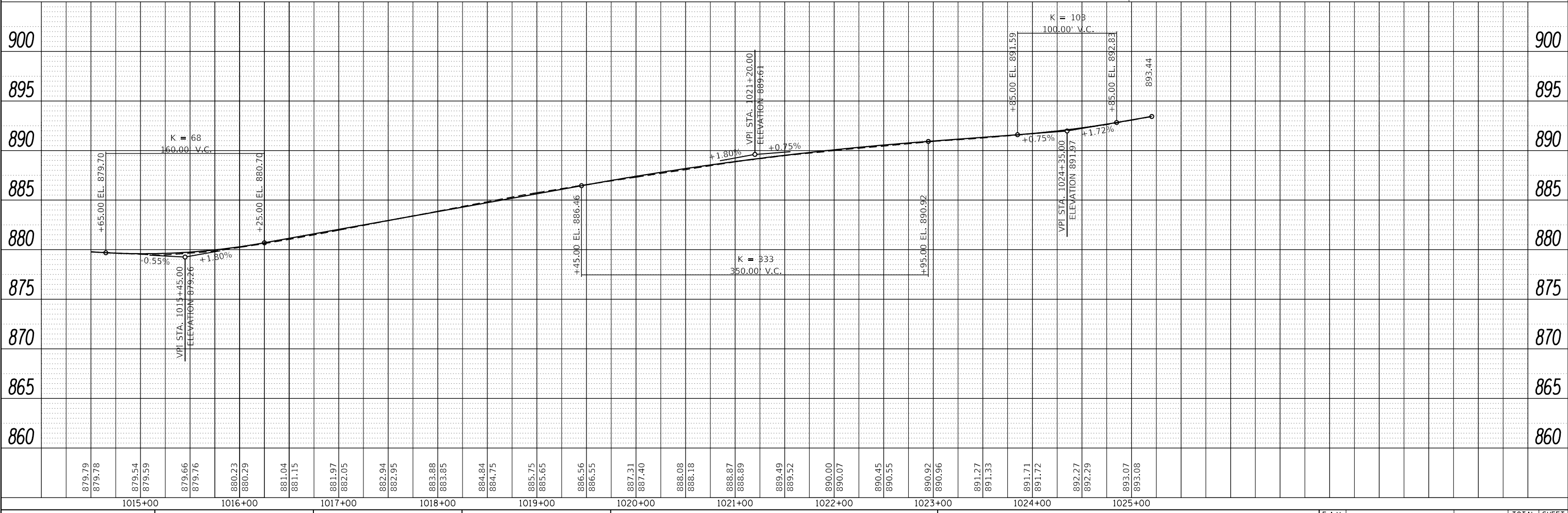
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	NOTE BOOK NO.	
	FILE NAME	
	TABLE NO.	

HRG PROJECT NO.: 60325
 HRG PROJ. CONTACT:
 FILE NAME: 60325-SP1-ar01m-02.dgn
 PEN TABLE: 60325tbl.dwg



LEGEND

- PROPOSED VALVE REPLACEMENT
- PROPOSED LINE STOP
- ▼ PROPOSED FIRE HYDRANT & VALVE



USER NAME = dstancz	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - JRM	REVISED -
PLOT DATE = 11/22/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**UTILITY PLAN AND PROFILE
BOLZ ROAD**

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 1014+50 TO STA. 1025+20.46

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	19
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

UTILITY ADJUSTMENT SCHEDULE

LOCATION			EXIST. RIM / BURY ELEV.	PROP. RIM / BURY ELEV.	CATCH BASINS TO BE ADJUSTED NEW T11FG (EACH) 60251500	INLETS TO BE ADJUSTED NEW T11FG (EACH) 60261300	SANITARY MANHOLES TO BE ADJUSTED W/ T1FCL (EACH) X6026056
STATION	OFFSET (FOOT)						
BOLZ ROAD							
1000+77	15.6	LT	853.80	853.95	1		
1000+82	15.7	RT	854.12	854.27		1	
1001+50	24.6	RT	858.18	858.30	1		
1001+95	25.9	RT	859.57	859.69		1	
1002+03	30.7	RT	860.82	860.57			1
1002+53	15.5	RT	862.25	862.41		1	
1002+55	15.7	LT	862.41	862.51	1		
1005+00	32.8	RT	872.57	872.08			1
1005+00	15.4	LT	870.38	870.54	1		
1005+02	15.6	RT	870.36	870.58		1	
1007+53	15.6	RT	874.77	875.01		1	
1007+54	15.6	LT	874.82	875.02	1		
1010+04	15.5	RT	879.29	879.40		1	
1010+05	15.7	LT	879.22	879.42	1		
1011+16	32.2	RT	882.08	881.84			1
1012+08	39.7	RT	880.30	880.46	1		
1012+34	39.6	RT	880.26	880.49	1		
1012+50	30.4	RT	881.12	881.15			1
1015+24	15.5	RT	879.05	879.35		1	
1015+26	15.6	LT	879.00	879.35	1		
1016+13	30.0	RT	881.67	881.67			1
1017+53	15.7	RT	882.60	882.73		1	
1017+56	15.5	LT	882.70	882.77	1		
1019+41	29.1	RT	887.58	887.65			1
1020+03	15.6	LT	886.92	887.17	1		
1020+03	15.6	RT	887.00	887.17		1	
1022+53	15.6	RT	890.00	890.30		1	
1022+54	15.6	LT	890.01	890.30	1		
1022+91	29.6	RT	891.54	891.54			1
1024+92	15.7	LT	892.45	892.66	1		
1024+92	39.1	RT	892.09	892.21		1	
SUBTOTAL BOLZ ROAD					13	11	7
TOTAL					13	11	7

NOTES:

- OFFSETS FOR CURB STRUCTURES ARE TO THE EDGE OF PAVEMENT.
ALL OTHER OFFSETS ARE TO CENTER OF STRUCTURE.
- PROPOSED RIM ELEVATION FOR CURB STRUCTURES IS AT THE EDGE OF PAVEMENT.

HRG PROJECT NO.: 160325
 HRG PROJ CONTACT:
 FILE NAME: 160325_SPT.dwg
 PEN TABLE: 160325.tbl



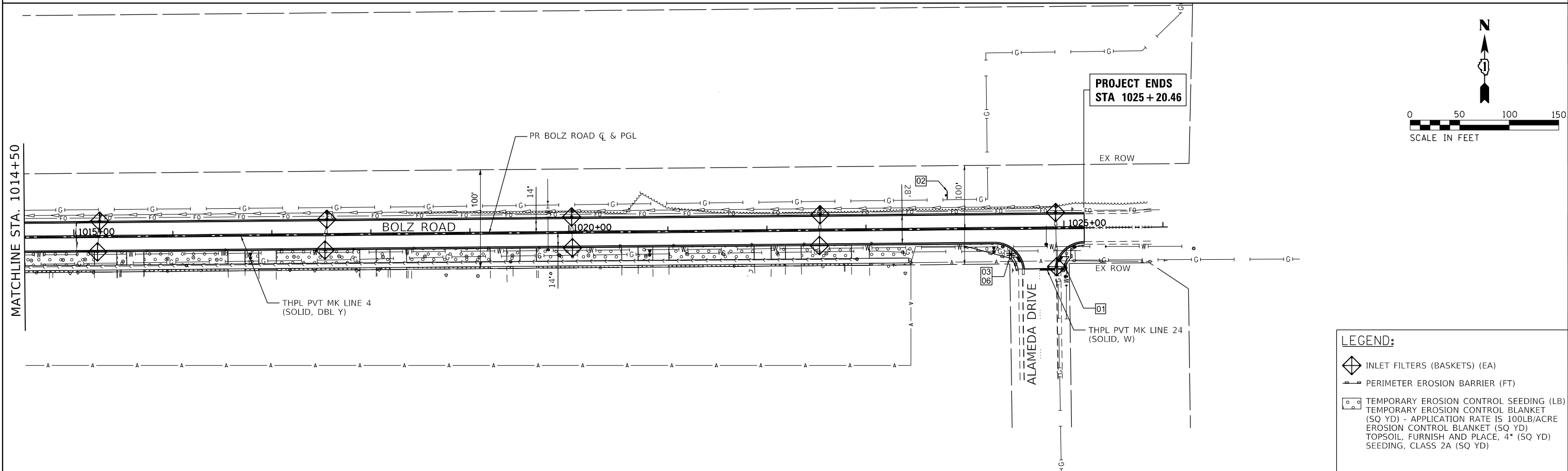
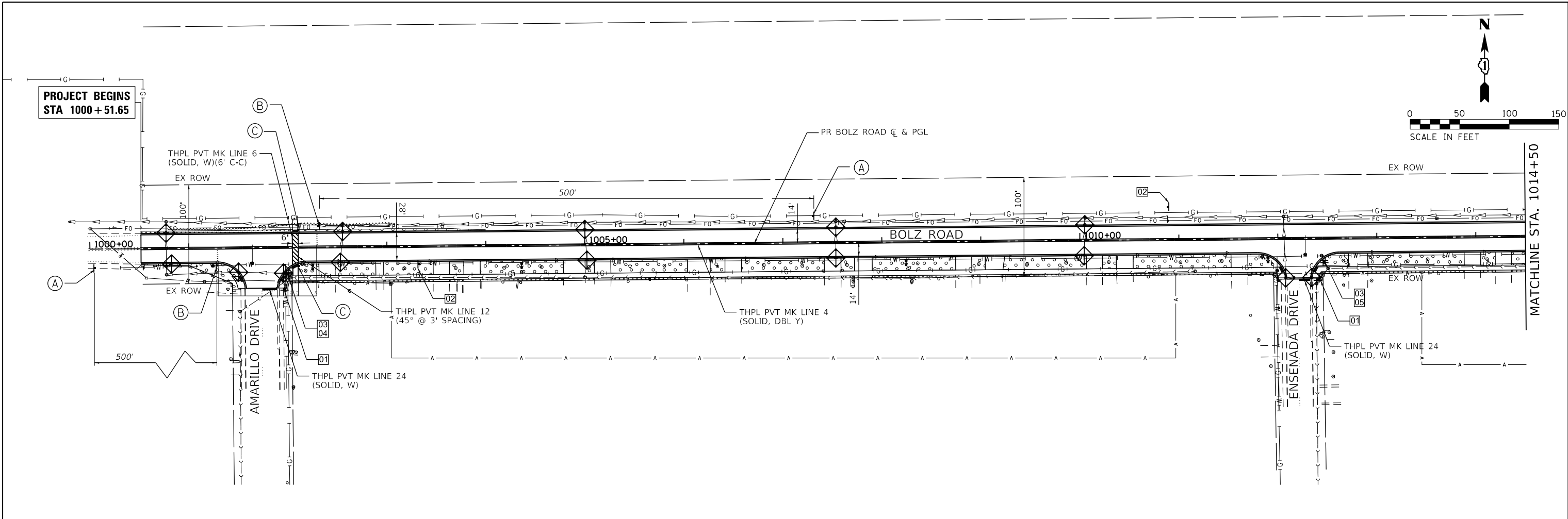
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	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - JRM	REVISED -
PLOT DATE = 11/22/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**UTILITY ADJUSTMENT SCHEDULE
BOLZ ROAD**

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	20
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- LEGEND:**
- INLET FILTERS (BASKETS) (EA)
 - PERIMETER EROSION BARRIER (FT)
 - TEMPORARY EROSION CONTROL SEEDING (LB)
 - TEMPORARY EROSION CONTROL BLANKET (SQ YD) - APPLICATION RATE IS 100LB/ACRE
 - EROSION CONTROL BLANKET (SQ YD)
 - TOPSOIL, FURNISH AND PLACE, 4" (SQ YD)
 - SEEDING, CLASS 2A (SQ YD)

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325_SPT_erc-01.dgn
 PEN TABLE: 160325.tbl



USER NAME = dstencz
 PLOT SCALE =
 PLOT DATE = 11/22/2020

DESIGNED - JRM	REVISED -
DRAWN - JCH	REVISED -
CHECKED - JRM	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL, PAVEMENT MARKING, AND SIGNING PLAN
BOLZ ROAD

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 1000+51.65 TO STA. 1025+20.46

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	21
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



W11-2
36x36



W16-9P
24x12

(A)

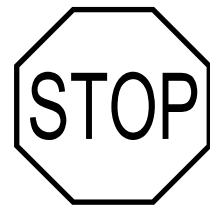
TYPICAL ADVANCED
WARNING SIGN



R1-5B
36x36

(B)

TYPICAL "STOP HERE" SIGN



01

R1-1
30" X 30"



02

R2-1
30" X 36"



03

D3-1
24" X 9"



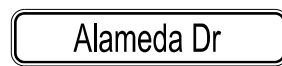
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D3-1
24" X 9"



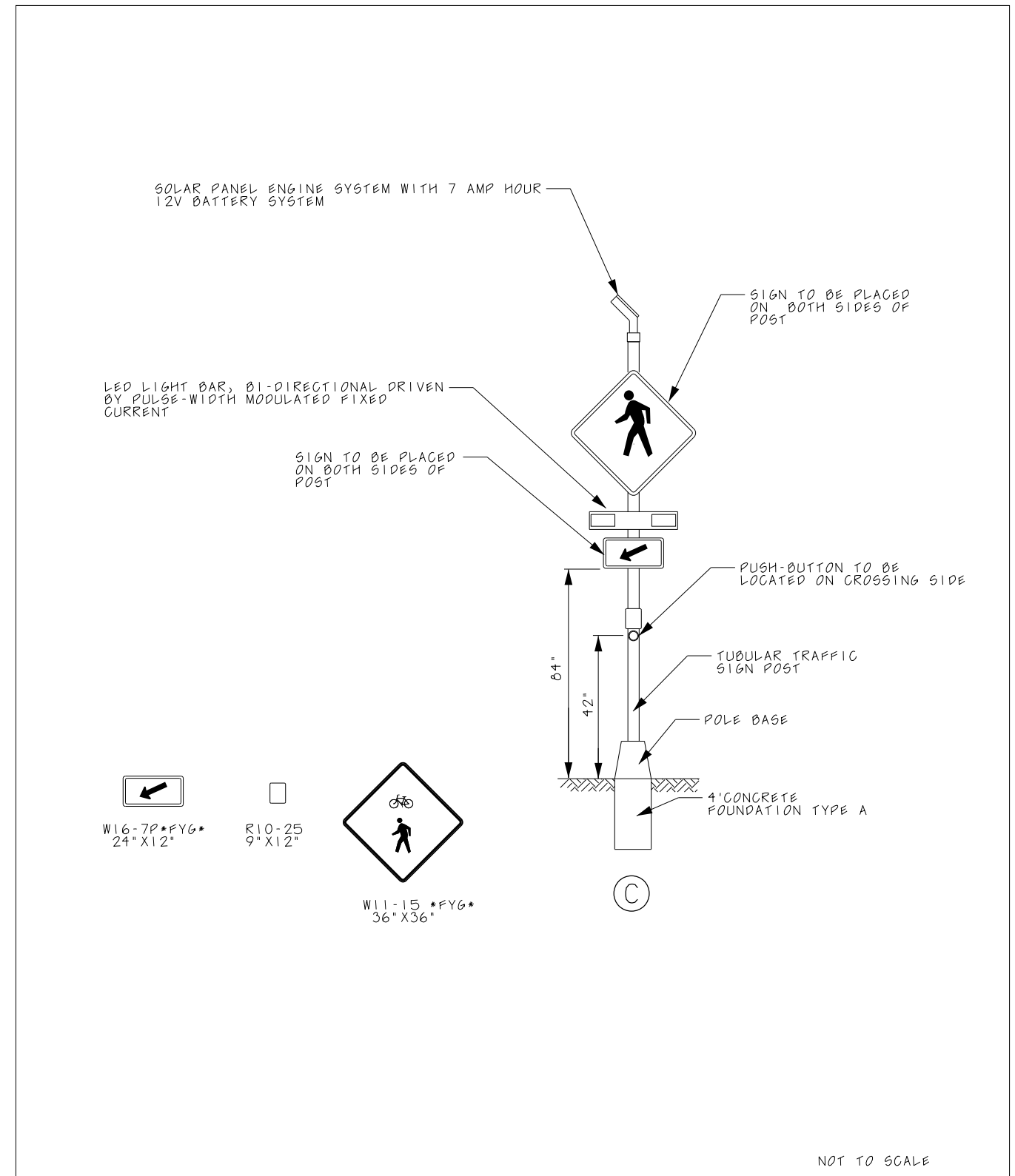
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D3-1
24" X 9"



06

D3-1
24" X 9"



REVISIONS	COMPLETED BY	DATE	PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION
	S.R.V.	06-24-2018	
	CHECKED BY	DATE	POST MOUNTED FLASHING BEACON
	J.P.J.	06-24-2018	

HRG PROJECT NO.: 160325
HRG PROJ. CONTACT:
FILE NAME: 160325-SPT-erf-02.dgn
PEN TABLE: 160325.tbl



USER NAME = dstencz	DESIGNED - JRM	REVISED -
	DRAWN - JCH	REVISED -
PLOT SCALE =	CHECKED - JRM	REVISED -
PLOT DATE = 11/22/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL, PAVEMENT MARKING, AND SIGNING PLAN
BOLZ ROAD

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	22
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61G83	



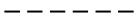



GENERAL NOTES:

1. THIS PROJECT INCLUDES THE INSTALLATION OF A NEW LIGHTING SYSTEM ALONG BOLZ ROAD FROM THE VILLAGE LIMIT AT AMARILLO DRIVE TO WEST OF ALAMEDA DRIVE. THE PROPOSED LIGHTING SHALL BE OWNED AND MAINTAINED BY THE VILLAGE OF CARPENTERSVILLE.
2. THE QUANTITIES OF RACEWAYS WHEREVER INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
3. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
4. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES AND TREES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS AS SHOWN ON PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING WORK.
5. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
6. LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND VILLAGE OF CARPENTERSVILLE CODES.
7. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.
8. GROUND RODS SHALL BE INSTALLED AT EACH LIGHTING UNIT.
9. THE CONTRACTOR SHALL TAKE CARE WHEN INSTALLING UNIT DUCT TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES AND TREES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE AS DETERMINED BY THE ENGINEER.
10. THE CONTRACTOR SHALL COORDINATE WITH ComEd REGARDING THE REMOVAL OF EXISTING MAST ARMS AND LUMINAIRES ATTACHED TO ComEd POLES, WHEN PROPOSED LIGHTING IS FULLY INSTALLED AND OPERATIONAL.

SUMMARY OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	789
UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.10 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2375
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 1/0	FOOT	50
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	10
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1
LIGHT POLE, ALUMINUM, 40FT. M.H. 8FT. MAST ARM	EACH	10
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	80
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	10
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	20

LEGEND

-  PROPOSED LIGHTING UNIT 40 FT. MH. 8 FT. MAST ARM, 120V (LINE TO NEUTRAL), LED LUMINAIRE WITH BREAKAWAY DEVICE.
-  UNIT DUCT, 600V, 3-1/C NO. 8, 1/C NO. 10 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE
-  ELECTRIC CABLE IN CONDUIT 3-1/C NO. 1/0 (XLP-TYPE USE).
-  PROPOSED LIGHTING CONTROLLER "LC", 120/240V, 1 Ø, 3 WIRE, 60 AMP, PEDESTAL MOUNTED
-  UNDERGROUND CONDUIT, GALVANIZED STEEL
-  GROUND ROD 5/8" DIA. X 10 FT.

HRG PROJECT NO.: #PROJECTNO#
 HRG PROJ CONTACT: #PROJPM#
 PLOT DATE: #DATE#
 PLOT DRAWER: #DRAW#
 PEN TABLE: #PEN_TABLE#



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	DRAWN - SR	REVISED -
PLOT SCALE = #SCALE#	CHECKED - BL	REVISED -
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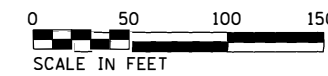
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, LEGEND AND SUMMARY OF QUANTITIES
BOLZ ROAD - CARPENTERSVILLE**

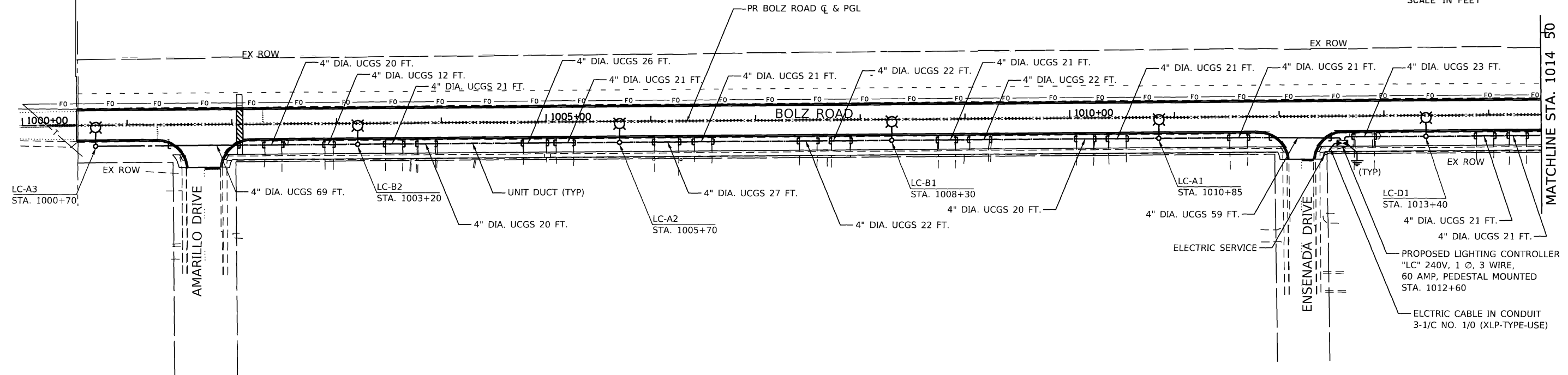
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61G83	

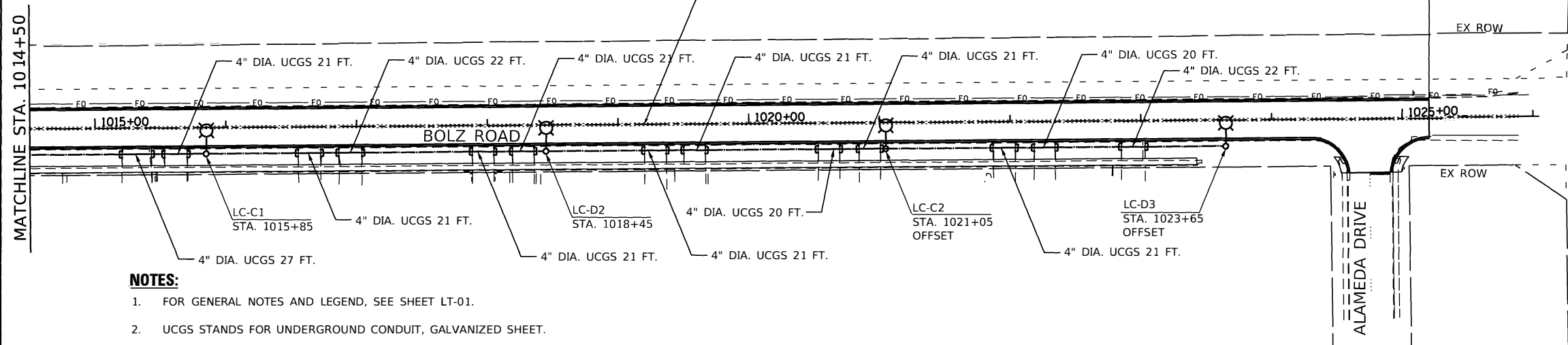
LT-01



**PROJECT BEGINS
STA 1000+51.65**



**PROJECT ENDS
STA 1025+20.46**



NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE SHEET LT-01.
2. UCGS STANDS FOR UNDERGROUND CONDUIT, GALVANIZED SHEET.
3. SET BACK FOR LIGHT POLES IS 3 FT. FROM FACE OF CURB TO CENTER OF LIGHT POLE.
4. OFFSET INDICATED WHERE THE LIGHTING UNIT HAS AN UNDERGROUND CONFLICT AND OFFSET FOUNDATION MAY BE REQUIRED.

HRC PROJECT NO.: #PROJECT#
 HRC PROJ. CONTACT: #PROGRAM#
 FILE NAME: #FILES#
 PLOT NUMBER: #PLOT#
 PEN TABLE: #PEN TABLE#

AMES Engineering, Inc.
 CONSULTING ENGINEERS
 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = #USER#	DESIGNED - MH	REVISED -
	DRAWN - SR	REVISED -
PLOT SCALE = #SCALE#	CHECKED - BL	REVISED -
PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN
BOLZ ROAD - CARPENTERSVILLE**

SCALE: 1"=50' SHEET NO. 1 OF 1 SHEETS STA. 1000+51.65 TO STA. 1025+20.46

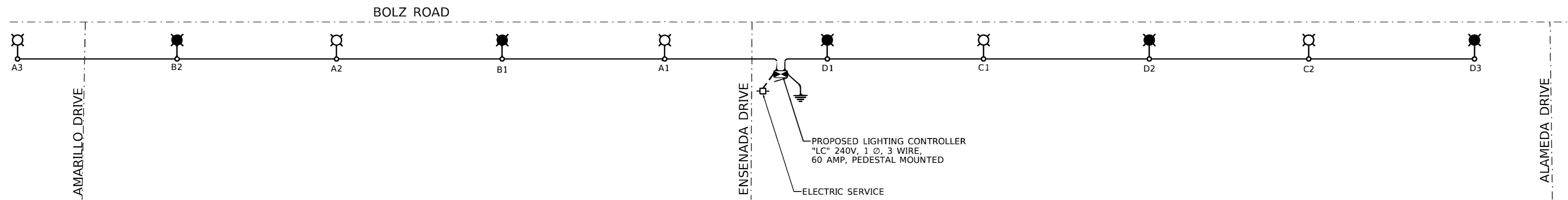
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	24
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61G83	

LT-02



LEGEND

- LUMINAIRE, LED, 120V, 1A, 214W, 1Ø, ON BLACK WIRE,
- LUMINAIRE, LED, 120V, 1A, 214W, 1Ø, ON RED WIRE,
- UNIT DUCT, 3-1/C NO. 8 1/C NO. 10 GROUND (XLP-TYPE USE) 1" DIA. POLYETHYLENE



LOAD TABLE LIGHTING CONTROLLER "LC"
120/240V AC, 1 Ø, 3 WIRE, 60A

ON RED WIRE				ON BLACK WIRE			
CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE	CIRCUIT	TOTAL LUM.	TOTAL CURRENT IN AMPS	TOTAL WATTAGE
A	3	3	642	B	2	2	428
C	2	2	428	D	3	3	642
E	-	-	-	F	-	-	-
G	-	-	-	H	-	-	-
		5	1070			5	1070

TOTAL LOAD IN WATTS 2140
TOTAL LOAD IN AMPS 10

HRG PROJECT NO.: #PROJECTNO#
 HRG PROJ CONTACT: #PROJPM#
 PLOT DATE: #DATE#
 PLOT DRIVER: #PLOTDR#
 PEN TABLE: #PEN_TABLE#

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 6330 Belmont Road, Suite 4B
 Downers Grove, IL 60515

USER NAME = #USER#	DESIGNED - MH	REVISED -
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PLOT DATE = #DATE#	DATE -	REVISED -

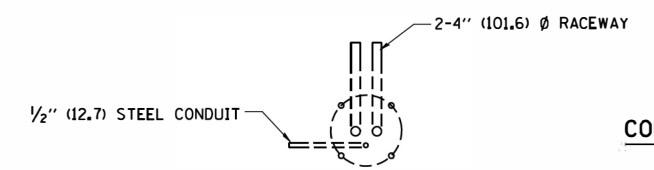
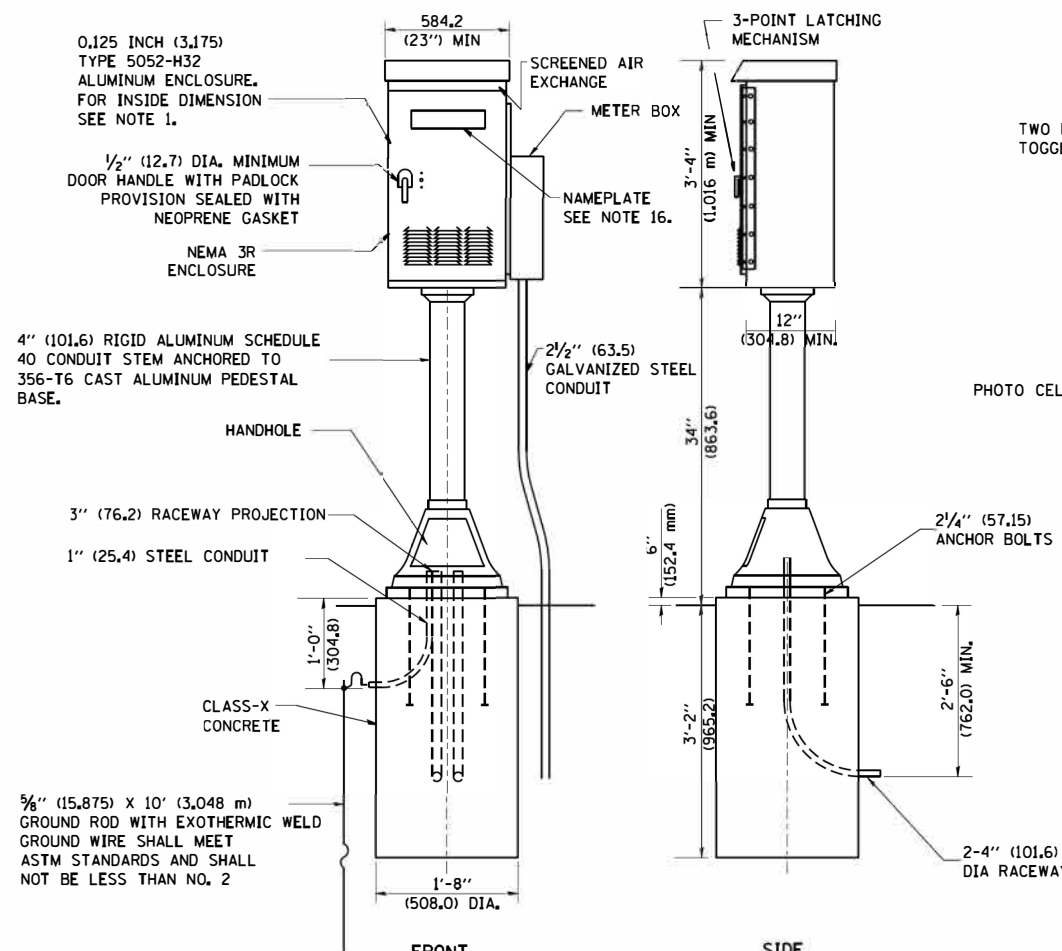
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SINGLE LINE WIRING DIAGRAM
 BOLZ ROAD - CARPENTERSVILLE

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

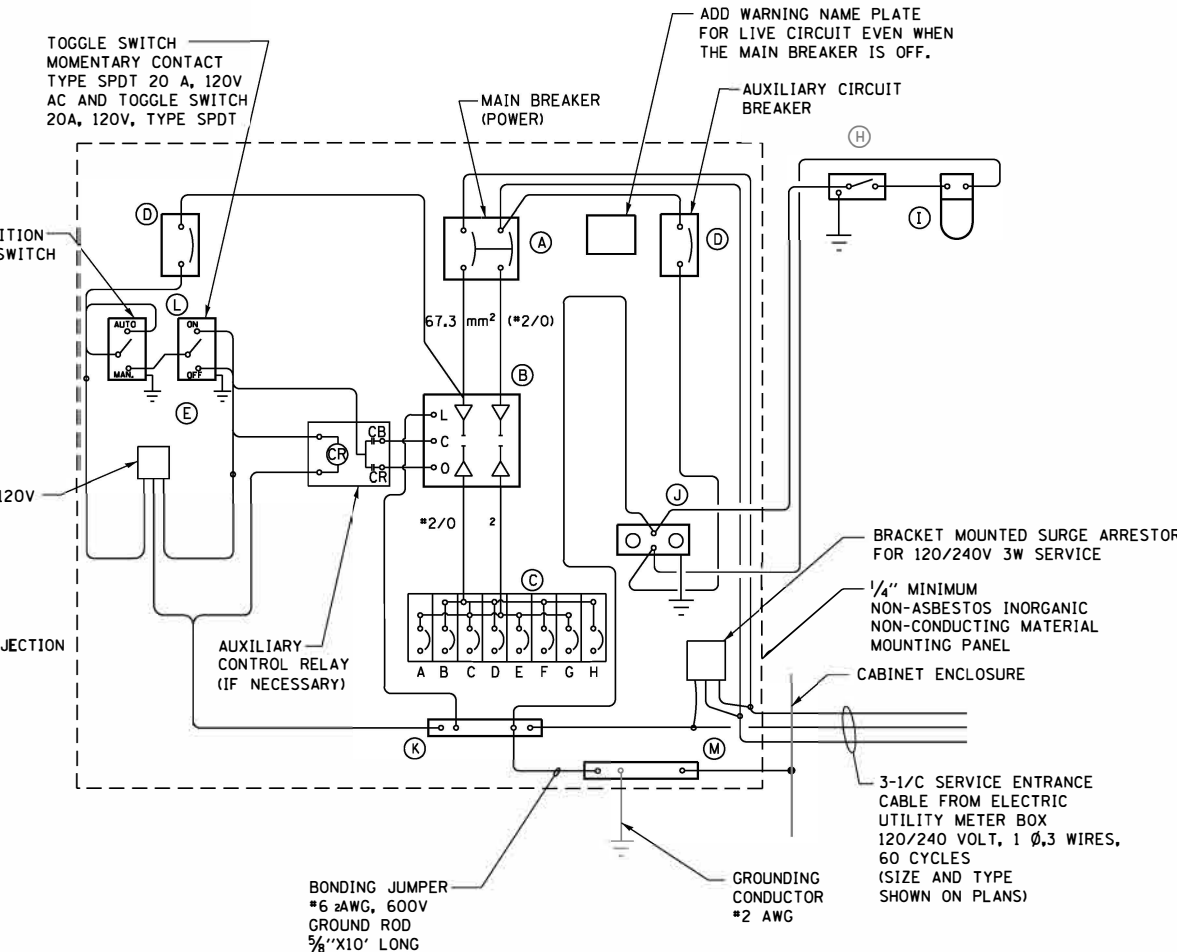
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	25
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61G83	

LT-03



FOUNDATION PLAN

CONTROL CABINET



WIRING DIAGRAM

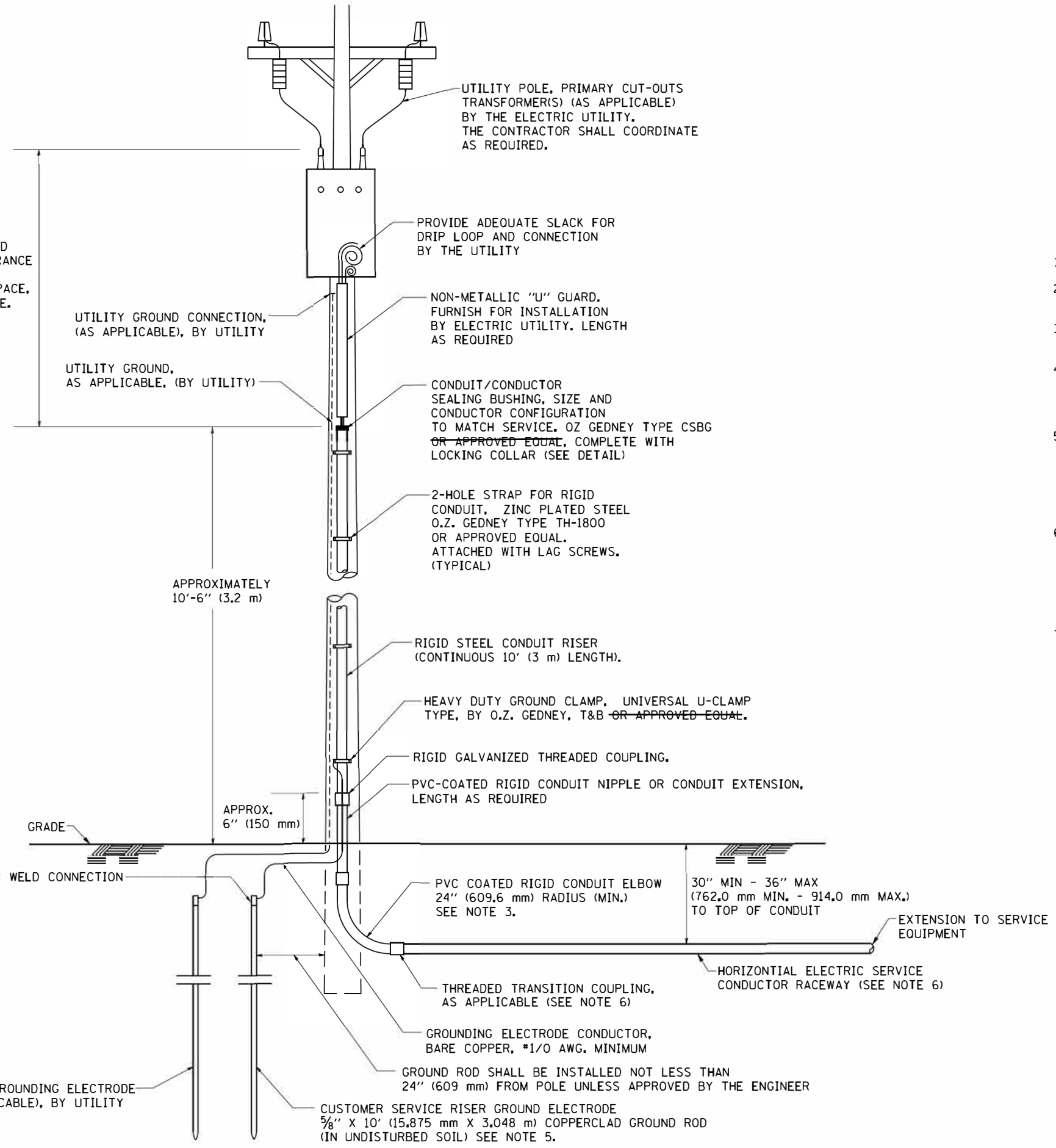
PANEL EQUIPMENT

BILL OF MATERIAL		
ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100AMP. FRAME, 60AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUITS 120 VOLT, ASCO 920.
C	8	CIRCUIT BREAKERS, 1 POLE, 277V., 100AMP. FRAME 30AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 120 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V., 100AMP. FRAME, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-14,000 AMP. AT 120 V.
E	1	PHOTOCCELL, 120V
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER NEUTRAL BUS 6.35 mm (1/4") X 25.4 mm (1") X 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS.
L	1	TOGGLE SWITCHES MOUNTED IN 101.6 mm (4") X 101.6 mm (4") BOX.
M	1	COPPER GROUND BUS 6.35 mm (1/4") X 25.4 (1") 304.8 mm (12") LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS.
N	1	SURGE ARRESTOR

NOTES:

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- UNLESS OTHERWISE INDICATED, THE CABINET SHALL BE MOUNTED ATOP A 4-INCH (101.6 mm) RIGID ALUMINUM SCHEDULE 40 CONDUIT STEM ANCHORED TO A CAST ALUMINUM PEDESTAL BASE.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) x 60" (18,288 m) x 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" (304,8) X 16" (406,4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.



UTILITY POLE, PRIMARY CUT-OUTS TRANSFORMER(S) (AS APPLICABLE) BY THE ELECTRIC UTILITY. THE CONTRACTOR SHALL COORDINATE AS REQUIRED.

PROVIDE ADEQUATE SLACK FOR DRIP LOOP AND CONNECTION BY THE UTILITY

UTILITY GROUND CONNECTION, (AS APPLICABLE), BY UTILITY

UTILITY GROUND, AS APPLICABLE, (BY UTILITY)

NON-METALLIC "U" GUARD. FURNISH FOR INSTALLATION BY ELECTRIC UTILITY. LENGTH AS REQUIRED

CONDUIT/CONDUCTOR SEALING BUSHING, SIZE AND CONDUCTOR CONFIGURATION TO MATCH SERVICE. OZ GEDNEY TYPE CSBG OR APPROVED EQUAL, COMPLETE WITH LOCKING COLLAR (SEE DETAIL)

2-HOLE STRAP FOR RIGID CONDUIT, ZINC PLATED STEEL O.Z. GEDNEY TYPE TH-1800 OR APPROVED EQUAL. ATTACHED WITH LAG SCREWS. (TYPICAL)

APPROXIMATELY 10'-6" (3.2 m)

RIGID STEEL CONDUIT RISER (CONTINUOUS 10' (3 m) LENGTH).

HEAVY DUTY GROUND CLAMP, UNIVERSAL U-CLAMP TYPE, BY O.Z. GEDNEY, T&B OR APPROVED EQUAL.

RIGID GALVANIZED THREADED COUPLING.

PVC-COATED RIGID CONDUIT NIPPLE OR CONDUIT EXTENSION, LENGTH AS REQUIRED

APPROX. 6" (150 mm)

GRADE

EXOTHERMIC WELD CONNECTION

PVC COATED RIGID CONDUIT ELBOW 24" (609.6 mm) RADIUS (MIN.) SEE NOTE 3.

30" MIN - 36" MAX (762.0 mm MIN. - 914.0 mm MAX.) TO TOP OF CONDUIT

EXTENSION TO SERVICE EQUIPMENT

THREADED TRANSITION COUPLING, AS APPLICABLE (SEE NOTE 6)

HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY (SEE NOTE 6)

GROUNDING ELECTRODE CONDUCTOR, BARE COPPER, #1/0 AWG. MINIMUM

GROUND ROD SHALL BE INSTALLED NOT LESS THAN 24" (609 mm) FROM POLE UNLESS APPROVED BY THE ENGINEER

UTILITY GROUNDING ELECTRODE (AS APPLICABLE), BY UTILITY

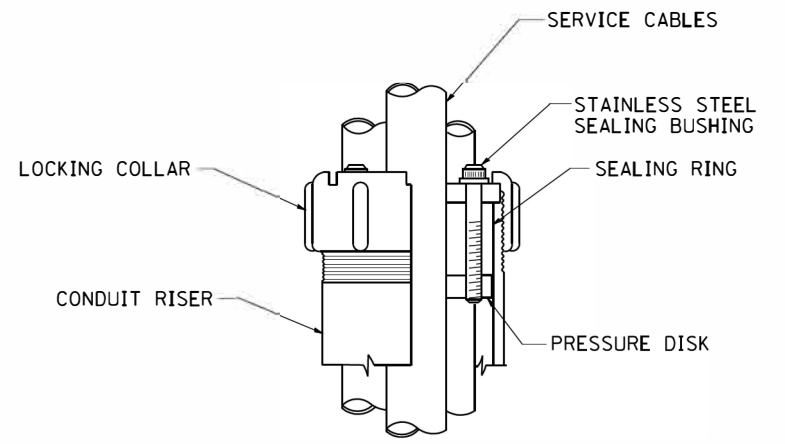
CUSTOMER SERVICE RISER GROUND ELECTRODE 5/8" X 10' (15.875 mm X 3.048 m) COPPERCLAD GROUND ROD (IN UNDISTURBED SOIL) SEE NOTE 5.

APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

LT-05

AMES Engineering, Inc.
CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B
Downers Grove, IL 60515

USER NAME = gegl:anobt
PLOT SCALE = 50.0000' / IN.
PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED - MEA
DATE -

REVISED - 03-03-06
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

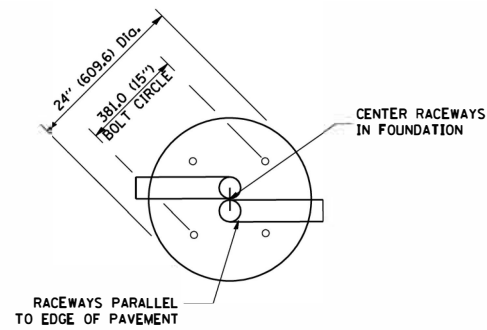
**ELECTRIC SERVICE INSTALLATION
AERIAL, REMOTE DISCONNECT**

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

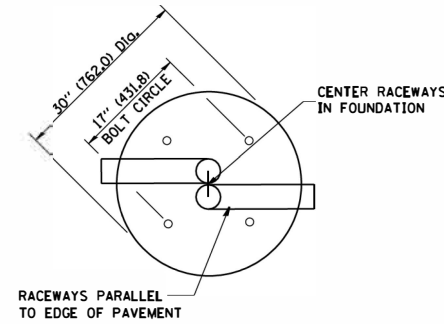
F.A. RTE. 2298	SECTION 17-0009I-00-FP	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 27
BE-220			CONTRACT NO. 61G83	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY O _u = 0.375 TON/SO. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY O _u = 0.75 TON/SO.FT	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY O _u = 1.50 TON/SO. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	7'-0" (2.13 m)



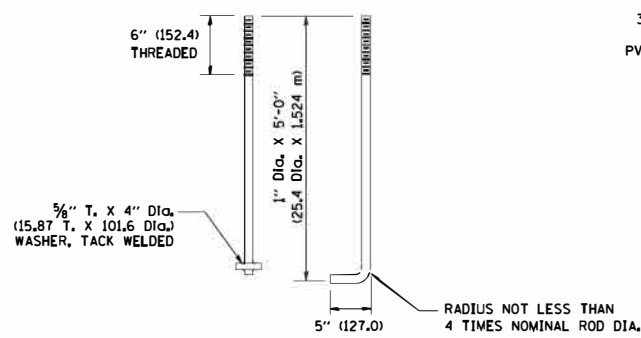
TOP VIEW



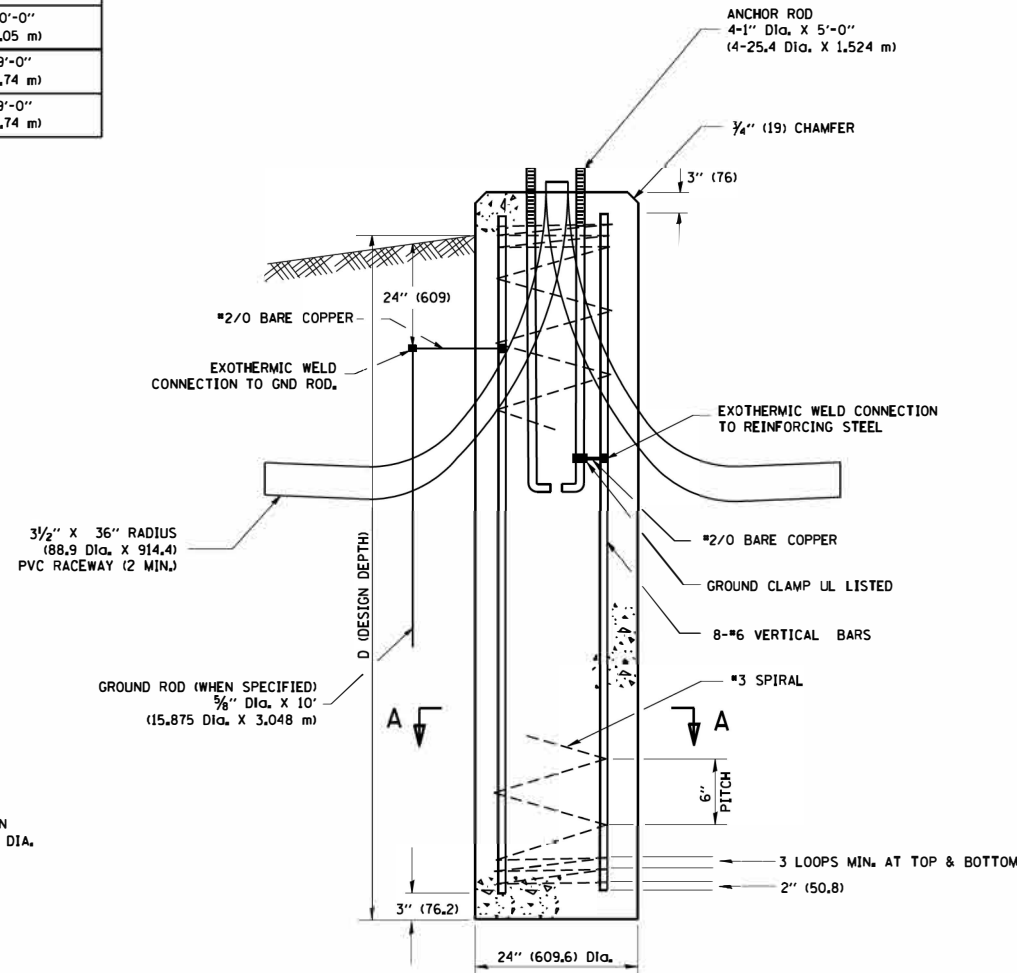
TOP VIEW

NOTES

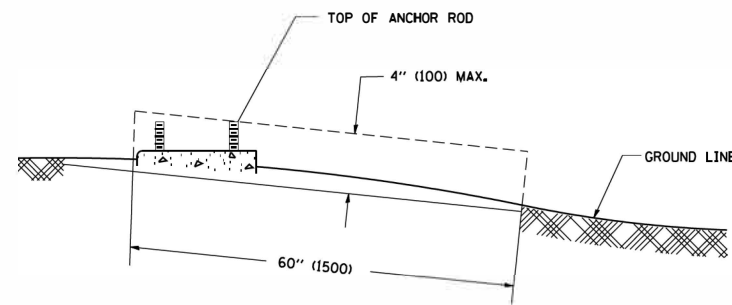
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES, IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UMG MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION, IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



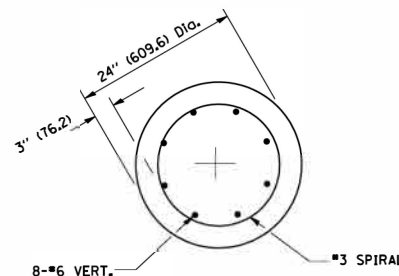
ANCHOR ROD DETAIL



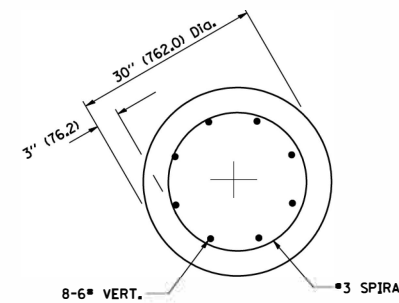
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



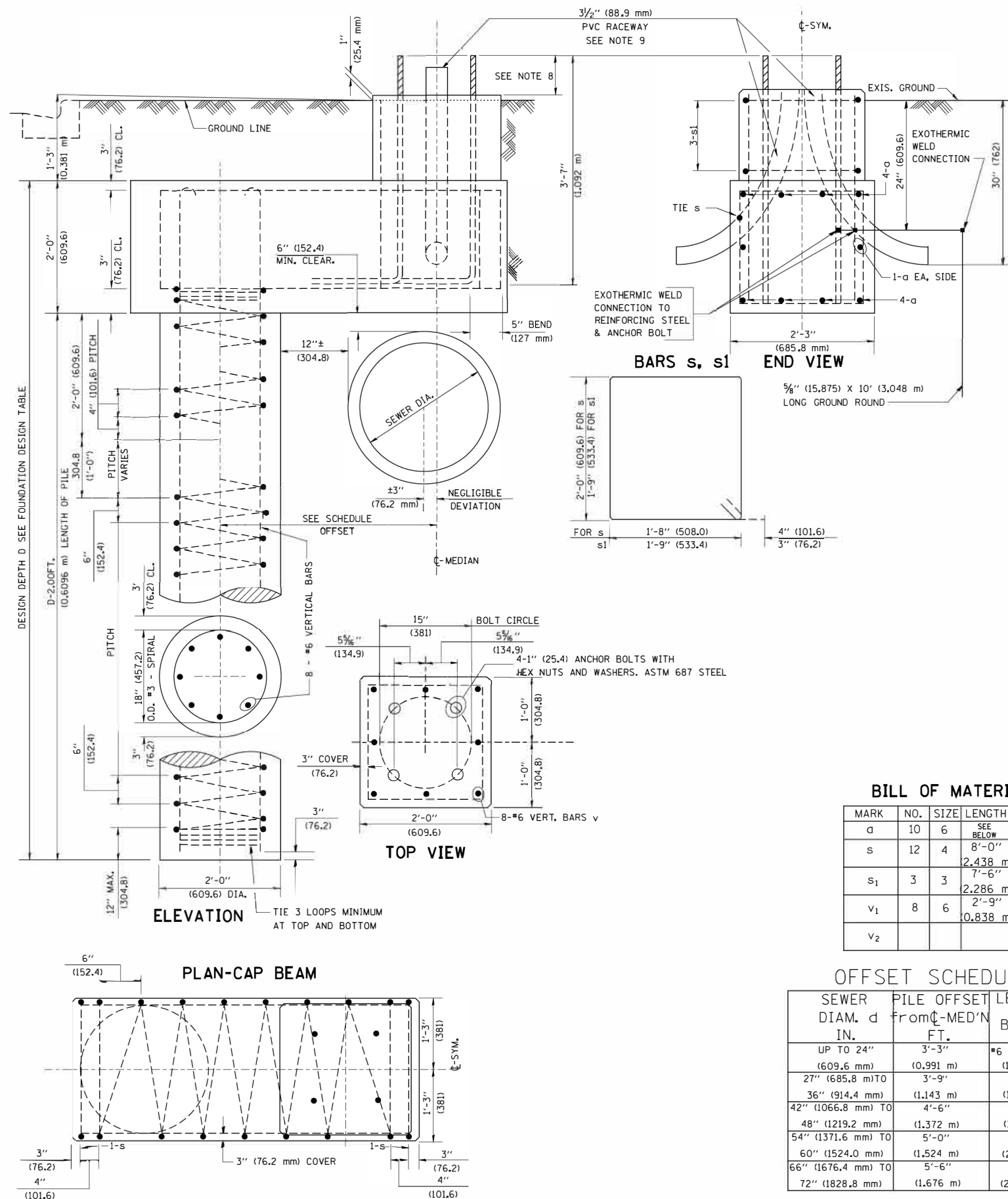
SECTION A-A

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	*3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	*3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	*3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	*3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	*3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	*3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	*3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	*3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	*3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	*3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	*3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	*3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERCTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" 2,438 m	□
s ₁	3	3	7'-6" 2,286 m	□
v ₁	8	6	2'-9" 0,838 m	—
v ₂				

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1,600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1,753 m)
36" (914.4 mm)	(1,143 m)	(1,753 m)
42" (1066.8 mm) TO	4'-6" (1,372 m)	6'-6" (1,981 m)
48" (1219.2 mm)	(1,372 m)	(1,981 m)
54" (1371.6 mm) TO	5'-0" (1,524 m)	7'-0" (2,134 m)
60" (1524.0 mm)	(1,524 m)	(2,134 m)
66" (1676.4 mm) TO	5'-6" (1,676 m)	7'-6" (2,286 m)
72" (1828.8 mm)	(1,676 m)	(2,286 m)

AMES Engineering, Inc. CONSULTING ENGINEERS
6330 Belmont Road, Suite 4B Downers Grove, IL 60515

USER NAME = bauerdl
DESIGNED -
DRAWN -
PLOT SCALE = 50.000 ' / IN.
PLOT DATE = 6/16/2008

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED - 06-16-08 R. TOMSONS
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

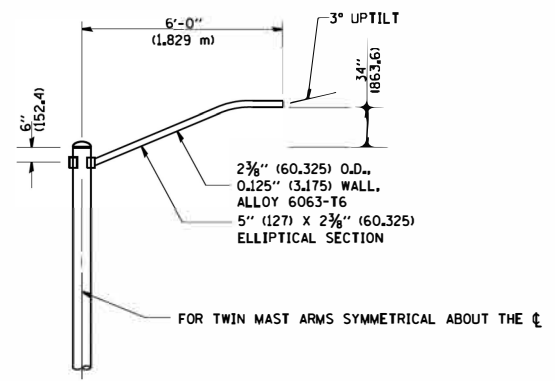
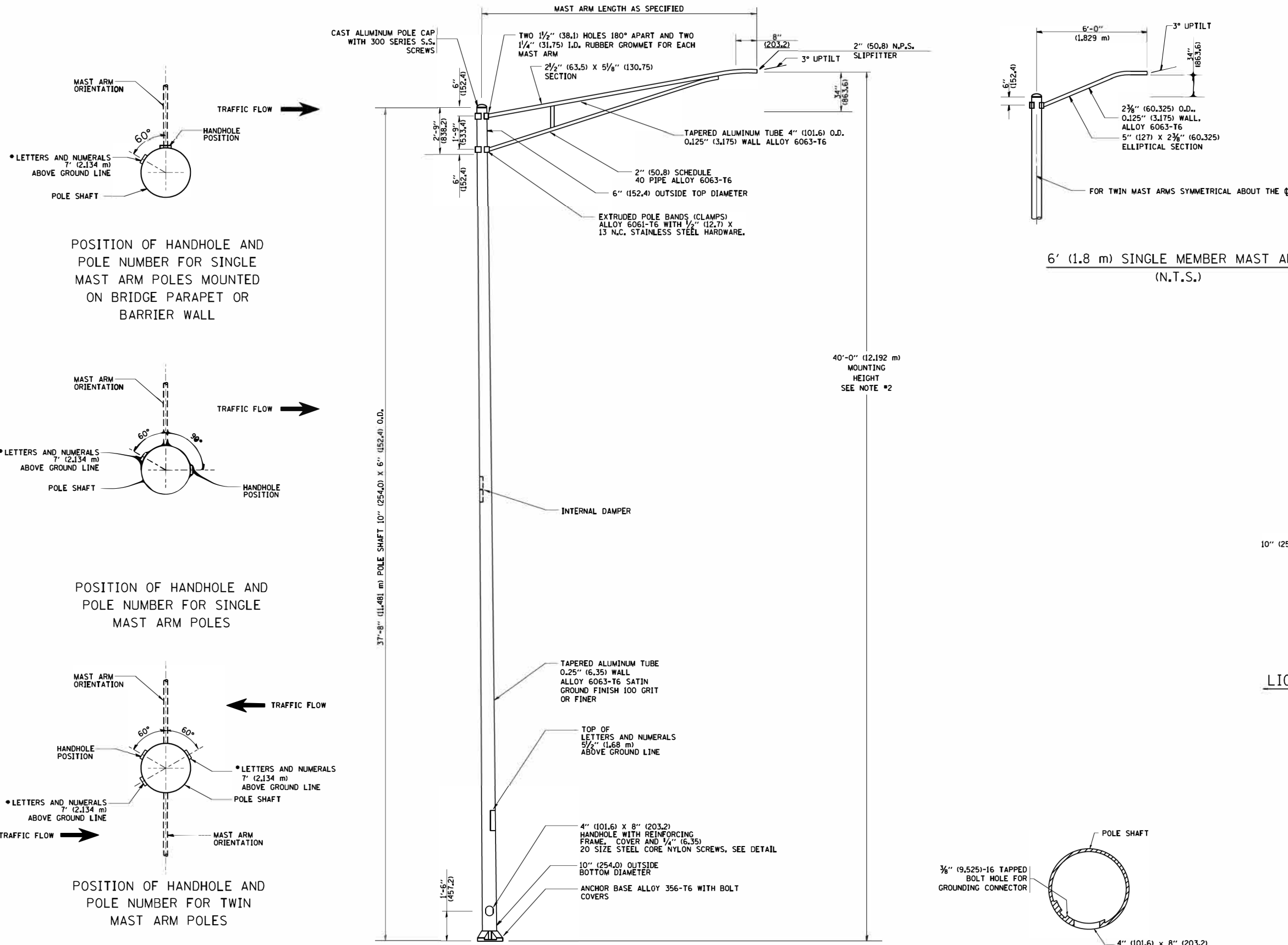
LIGHT POLE FOUNDATION OFFSET
40' (12,192 m) TO 47 1/2' (14,478 m) M.H.
15" (381 mm) BOLT CIRCLE

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

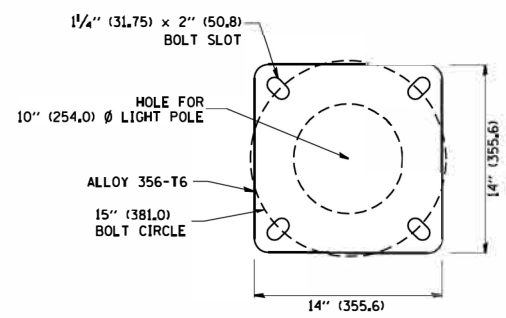
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ILLINOIS FED. AID PROJECT				

6/16/2008
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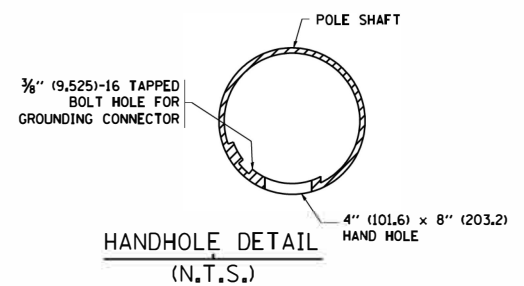
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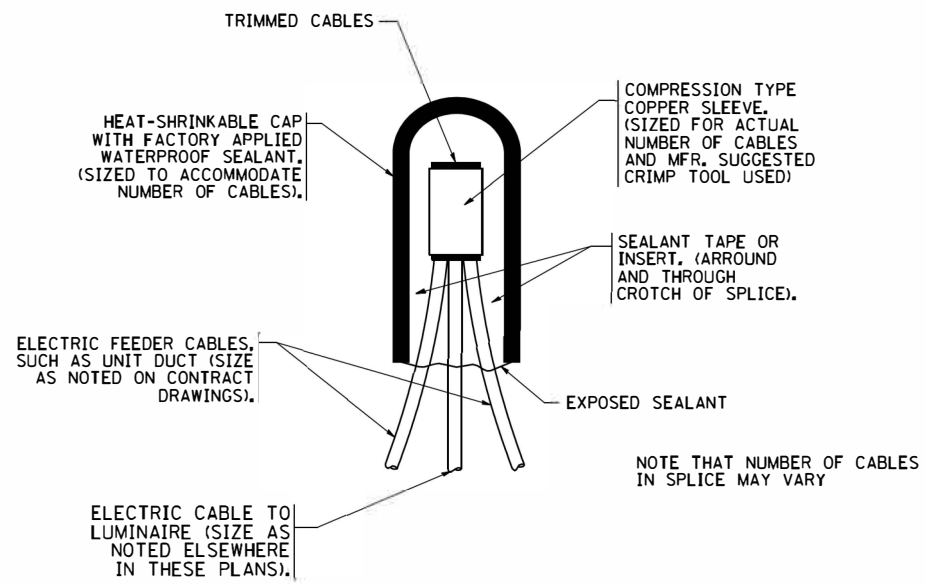


- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
 5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.
 8. THE LIGHT POLE, MAST ARM AND LUMINAIRE SHALL BE PAINTED IN BLACK.



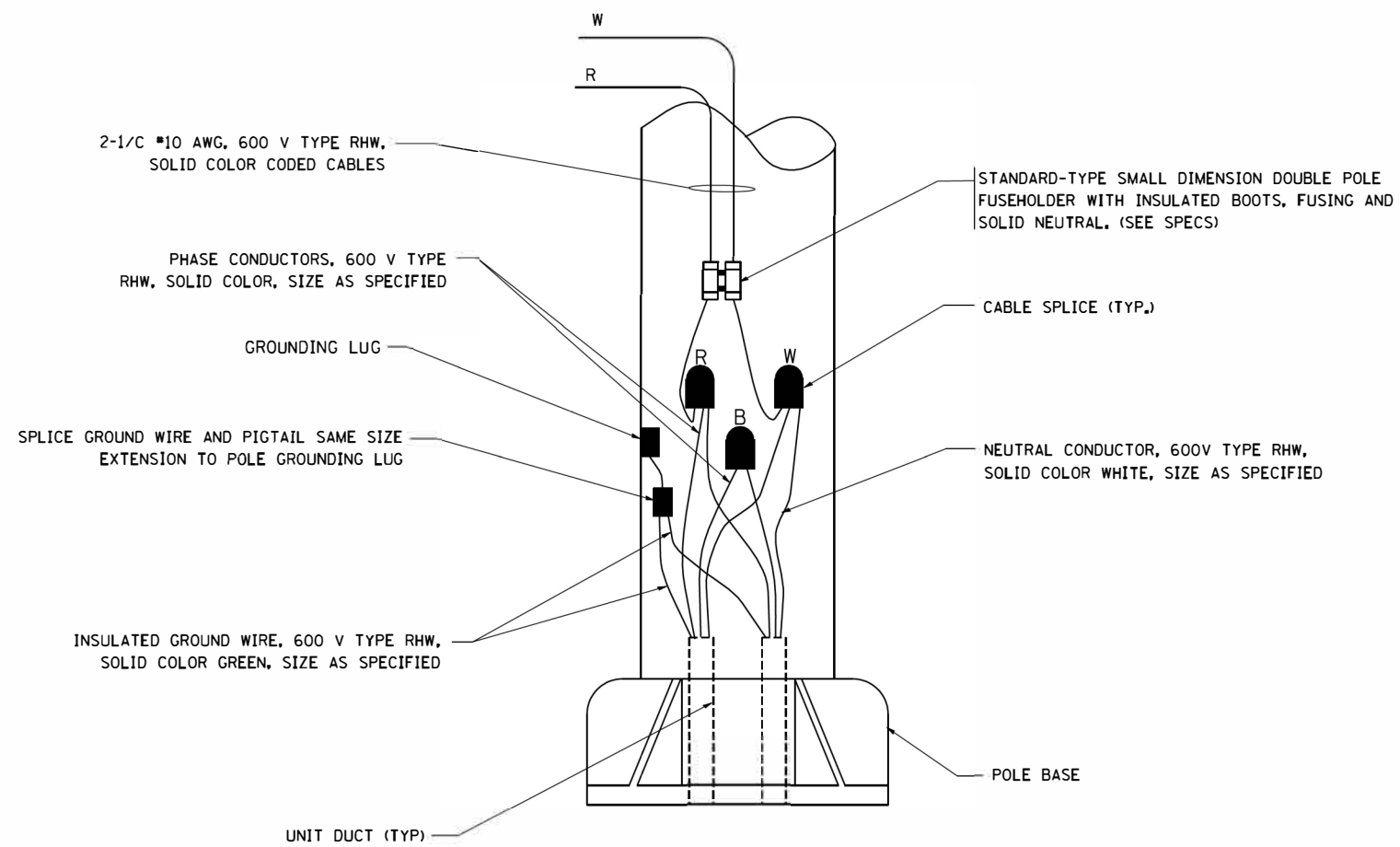
LIGHT POLE BASE PLATE DETAIL
15 INCH (381.0) BOLT CIRCLE





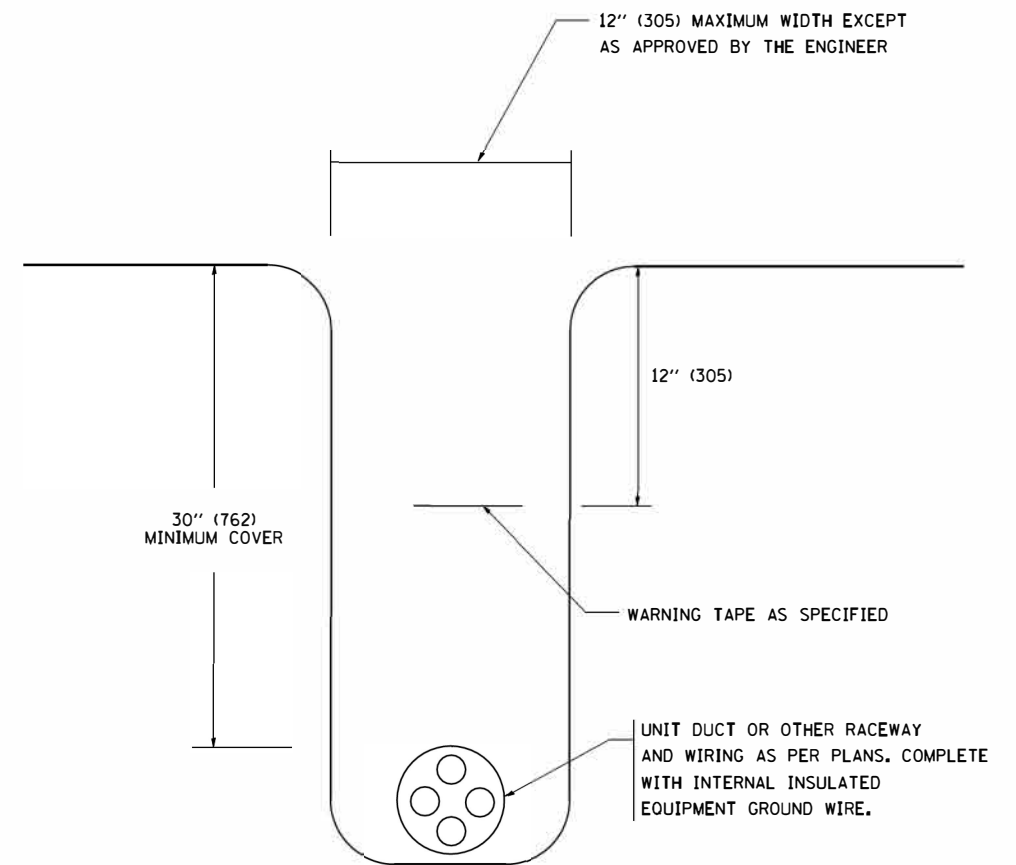
TYPICAL SPLICE DETAIL

N.T.S.



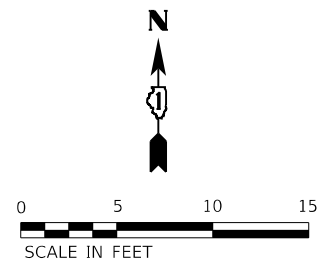
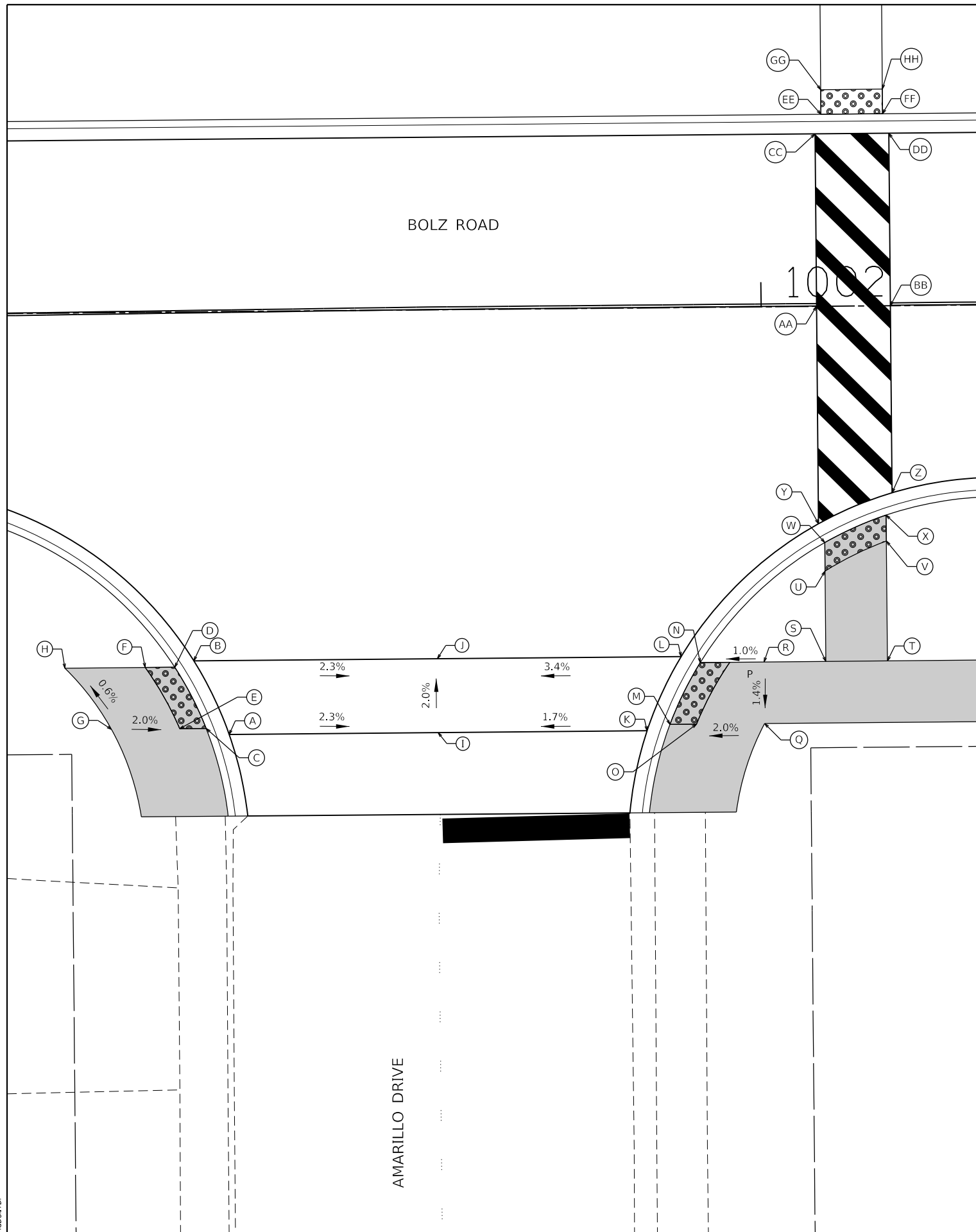
POLE WIRING DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POINT DESCRIPTION AMARILLO DRIVE				
POINT	STATION	OFFSET	ELEVATION	REMARK
A	1001+56.5	34.3' RT	859.10	
B	1001+53.7	28.3' RT	859.04	
C	1001+54.6	33.8' RT	859.10	DT WARN
D	1001+52.1	28.8' RT	859.04	DT WARN
E	1001+52.5	33.8' RT	859.14	DT WARN
F	1001+49.7	28.8' RT	859.08	DT WARN
G	1001+47.0	33.8' RT	859.25	
H	1001+43.2	28.8' RT	859.21	
I	1001+73.5	34.3' RT	859.72	
J	1001+73.5	28.3' RT	859.60	
K	1001+90.4	34.3' RT	860.06	
L	1001+93.3	28.3' RT	860.25	
M	1001+92.3	33.8' RT	860.07	DT WARN
N	1001+94.8	28.8' RT	860.24	DT WARN
O	1001+94.5	33.8' RT	860.11	DT WARN
P	1001+97.2	28.8' RT	860.28	DT WARN
Q	1002+00.0	33.8' RT	860.22	
R	1002+00.0	28.8' RT	860.29	
S	1002+05.0	28.8' RT	000.00	
T	1002+10.0	28.8' RT	000.00	
U	1002+05.0	21.5' RT	000.00	DT WARN
V	1002+10.0	19.1' RT	000.00	DT WARN
W	1002+05.0	19.2' RT	000.00	DT WARN
X	1002+10.0	17.0' RT	000.00	DT WARN
Y	1002+04.5	17.6' RT	000.00	
Z	1002+10.5	15.2' RT	000.00	
AA	1002+04.5	00.0'	000.00	
BB	1002+10.5	00.0'	000.00	
CC	1002+04.5	14.0' LT	000.00	
DD	1002+10.5	14.0' LT	000.00	
EE	1002+05.0	15.6' LT	000.00	DT WARN
FF	1002+10.0	15.6' LT	000.00	DT WARN
GG	1002+05.0	17.6' LT	000.00	DT WARN
HH	1002+10.0	17.6' LT	000.00	DT WARN

- LEGEND**
- (A) POINT
 - [Patterned Box] DETECTABLE WARNINGS
 - [Shaded Box] PROPOSED SIDEWALK

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 HRG PROJ. CONTACT:
 FILE NAME: 160325_SPT-Sidewalk.dgn
 PEN TABLE: 160325.tbl



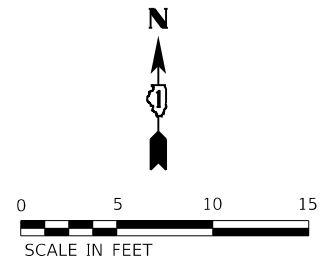
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PLOT DATE = 11/22/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS
BOLZ ROAD AT AMARILLO DRIVE**

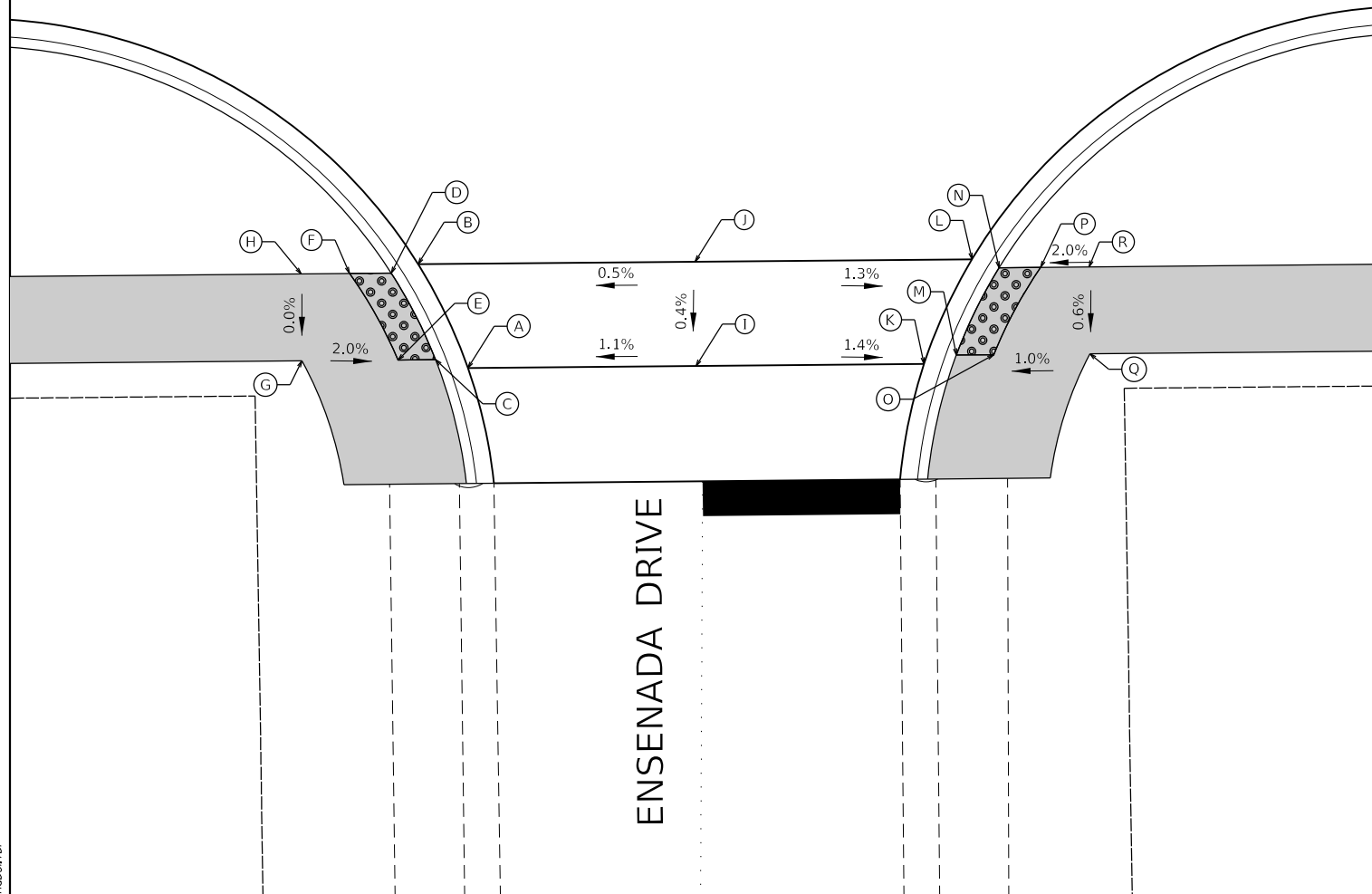
SCALE: 1"=5' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	32
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				






BOLZ ROAD

1012



POINT DESCRIPTION ENSENADA DRIVE				
POINT	STATION	OFFSET	ELEVATION	REMARK
A	1012+07.6	34.4' RT	880.55	
B	1012+04.8	28.4' RT	880.62	
C	1012+05.8	33.9' RT	880.56	DT WARN
D	1012+03.3	28.9' RT	880.61	DT WARN
E	1012+03.6	33.9' RT	880.60	DT WARN
F	1012+00.9	28.8' RT	880.65	DT WARN
G	1011+98.1	33.8' RT	880.71	
H	1011+98.1	28.8' RT	880.71	
I	1012+20.7	34.4' RT	880.69	
J	1012+20.7	28.4' RT	880.71	
K	1012+33.9	34.4' RT	880.50	
L	1012+36.7	28.4' RT	880.51	
M	1012+35.7	33.9' RT	880.50	DT WARN
N	1012+38.2	28.9' RT	880.51	DT WARN
O	1012+37.9	33.9' RT	880.54	DT WARN
P	1012+40.6	28.9' RT	880.55	DT WARN
Q	1012+43.4	33.9' RT	880.58	
R	1012+43.4	28.9' RT	880.61	

LEGEND

-  POINT
-  DETECTABLE WARNINGS
-  PROPOSED SIDEWALK

HRG PROJECT NO.: 160325
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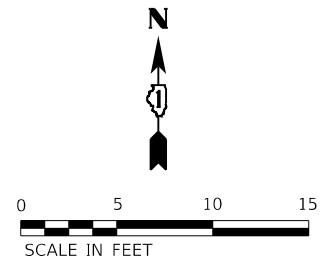
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
BOLZ ROAD AT ENSENADA DRIVE

SCALE: 1"=5' SHEET 2 OF 3 SHEETS STA. TO STA.

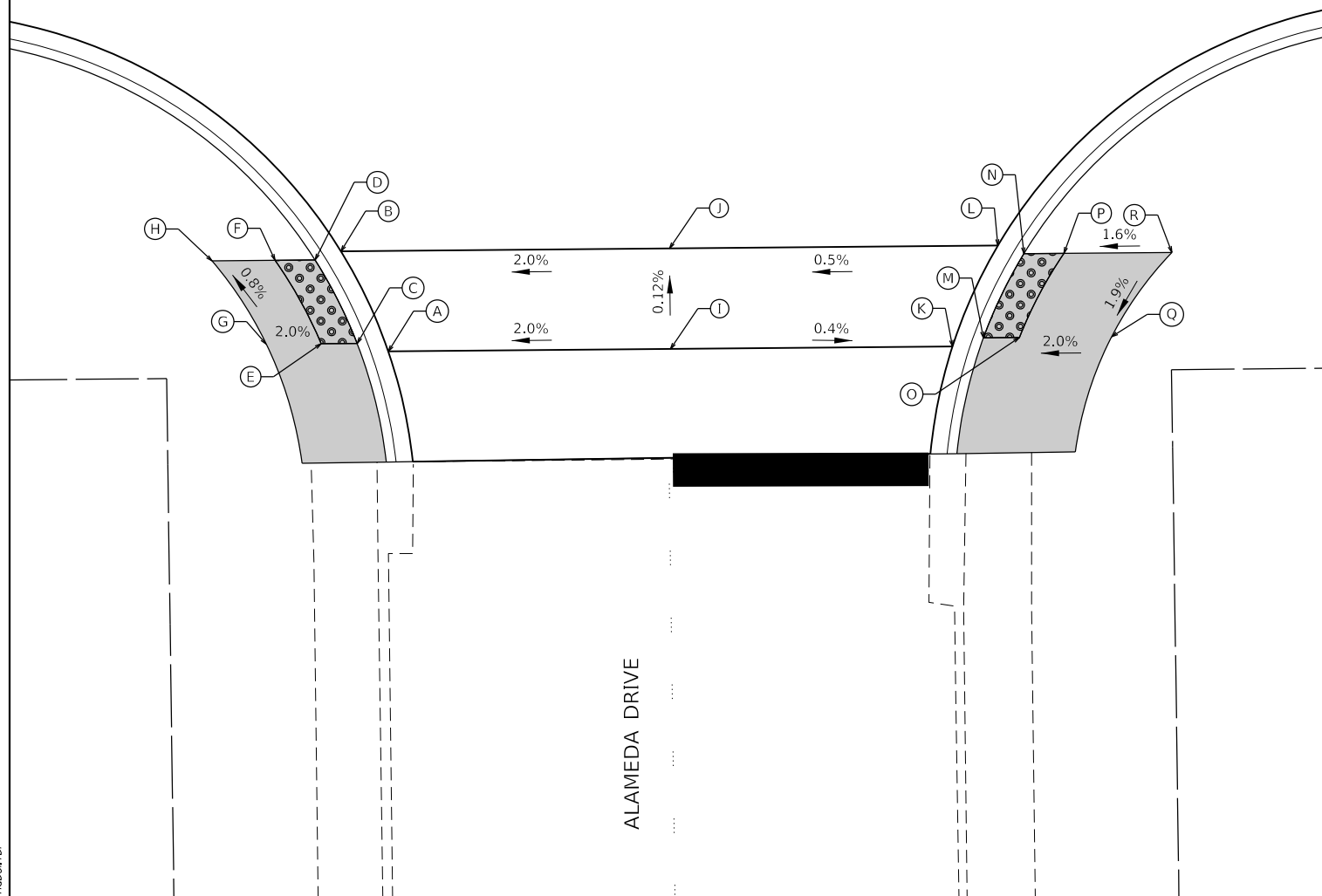
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2298	17-00091-00-FP	KANE	67	33
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



POINT DESCRIPTION ALAMEDA DRIVE				
POINT	STATION	OFFSET	ELEVATION	REMARK
A	1024+58.3	34.5' RT	892.07	
B	1024+55.5	28.5' RT	892.01	
C	1024+56.5	34.0' RT	892.07	DT WARN
D	1024+54.0	29.0' RT	892.01	DT WARN
E	1024+54.3	34.0' RT	892.03	DT WARN
F	1024+51.6	29.0' RT	891.97	DT WARN
G	1024+51.0	34.0' RT	891.97	
H	1024+47.8	29.0' RT	891.91	
I	1024+75.2	28.5' RT	892.41	
J	1024+75.2	34.5' RT	892.40	
K	1024+92.0	34.5' RT	892.35	
L	1024+94.8	28.5' RT	892.50	
M	1024+93.9	34.0' RT	892.36	DT WARN
N	1024+96.3	29.0' RT	892.49	DT WARN
O	1024+96.0	34.0' RT	892.40	DT WARN
P	1024+98.7	29.0' RT	892.53	DT WARN
Q	1025+01.5	34.0' RT	892.51	
R	1025+05.1	29.0' RT	892.63	

BOLZ ROAD

1025+0



LEGEND

- (A) POINT
- [Hatched Box] DETECTABLE WARNINGS
- [Solid Grey Box] PROPOSED SIDEWALK

HRG PROJECT NO.: 160325
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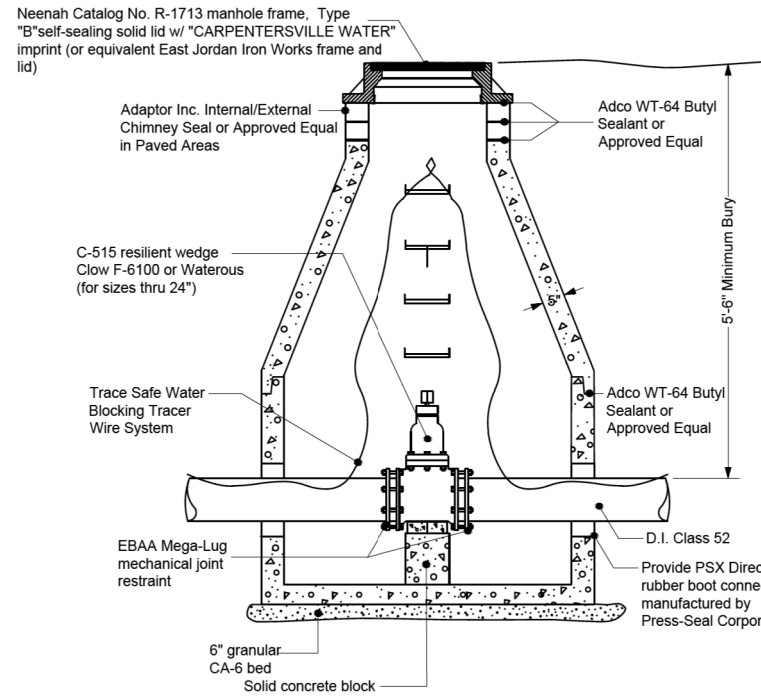
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PLOT DATE = 11/22/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS
BOLZ ROAD AT ALAMEDA DRIVE

SCALE: 1"=5' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	34
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

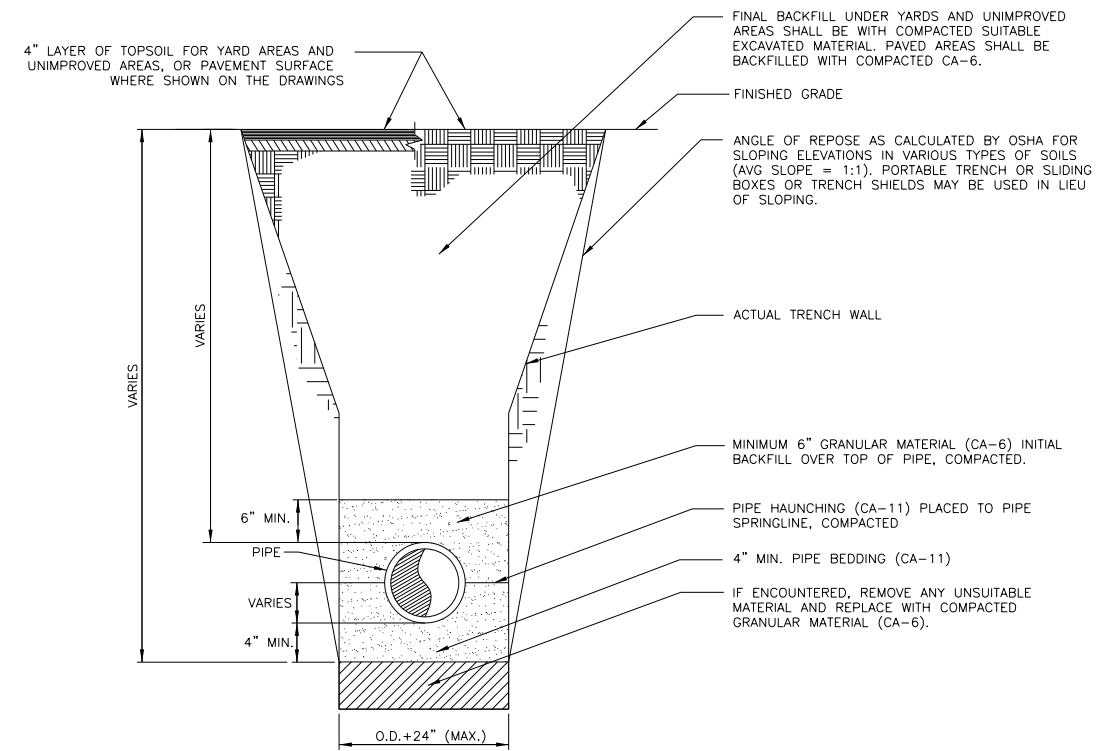


- General Notes:**
- Adjustment:
 - In Turf Areas: Three adjustment rings totaling 8" in height may be used. No more than two (2) of those rings may be precast concrete. 2" concrete adjustment rings are prohibited.
 - In Paved Areas: Use Ladtech HDPE adjusting ring system or approved equal. A maximum of adjustment of 8" is allowed.
 - Steps at 16" O.C. copolymer polypropylene plastic with a continuous 1/2-inch steel reinforcement.
 - Water main shall be Class 52 ductile iron pipe with cement coating C-104.
 - Fittings shall be ANSI-AWWA C153/A21.53 SSB-COMPACT.
 - Eccentric cones shall not be used unless underground conditions require them and they are accepted by the Village Engineer.
 - Tracer wire shall be connected to the side of the vault no more than 16" below grade.
 - Valve vault shall be water tight

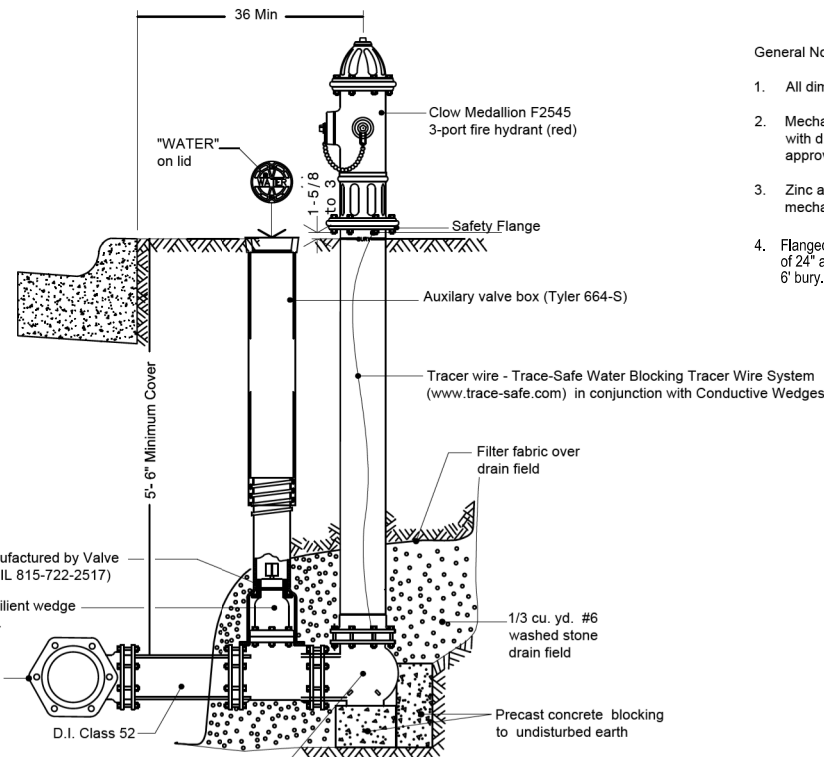
Diameter of Water Main	Vault Diameter
8" and under	48"
10" and under	60"

Valve Vault Type A

W-1 012908
Revised 01-04-16



TYPICAL WATER MAIN TRENCH
SCALE: NTS



- General Notes:**
- All dimensions are in inches unless otherwise specified.
 - Mechanical joint restraint shall EBAA megalug for use with d.i. pipe class 52, produced by EBAA Iron Inc. or approved equal.
 - Zinc anodes installed on every other bolt of each mechanical joint fittings.
 - Flanged shoe for 6' bury and less, MJ shoe, minimum of 24" and maximum of 36" stub with megalug over 6' bury.

Clow Medallion F2545 Male M.J. Shoe for 6' bury depth or less. Over 6' bury depth, min. 24" and 36" max. stub piece with Mega-Lugs between gate valve and shoe.

Hydrant

W-2 022818

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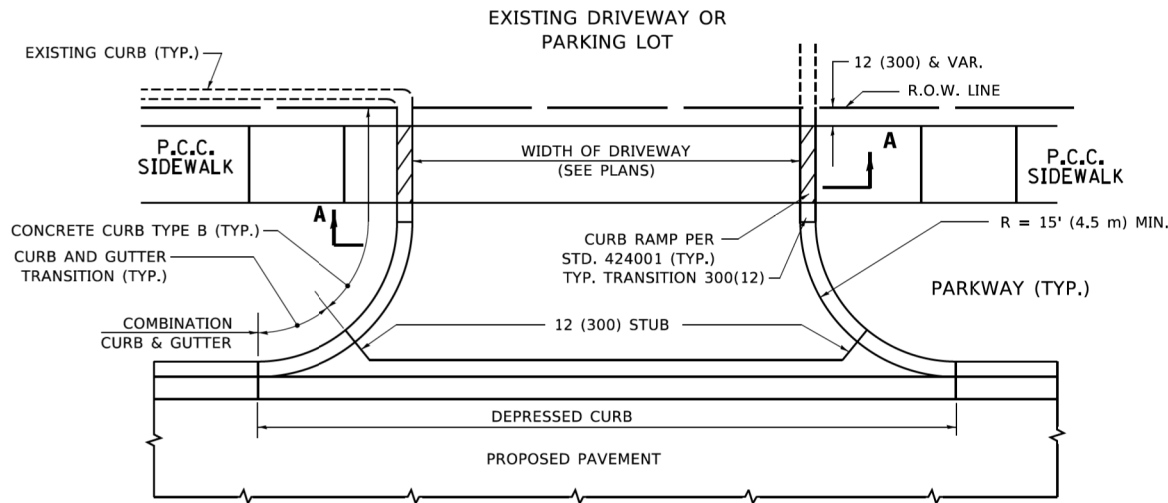
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

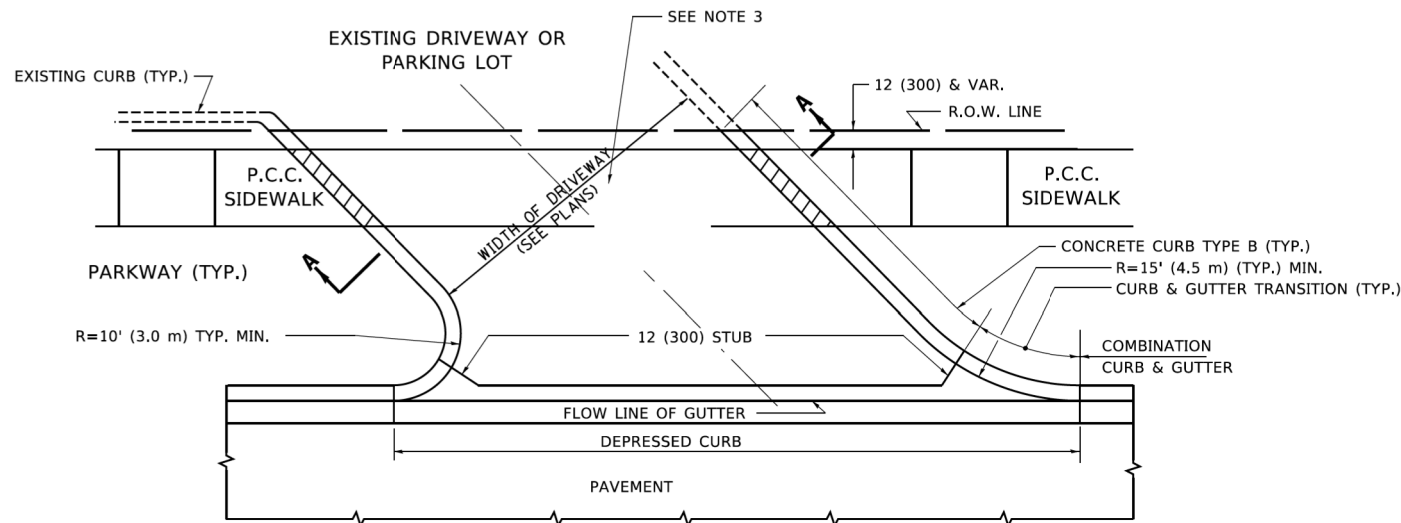
VILLAGE DETAILS
BOLZ ROAD

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

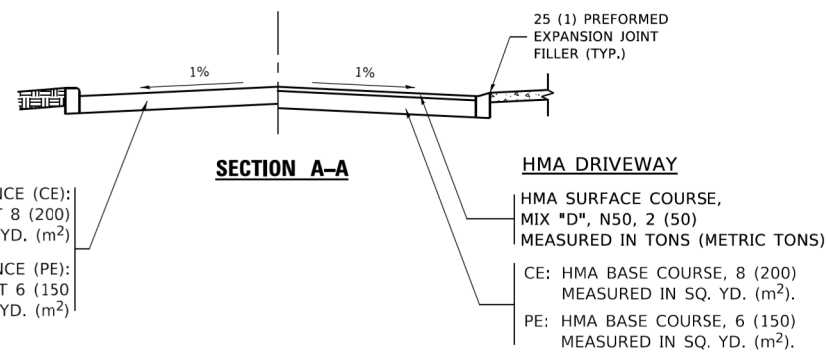
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	35
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RIGID DRIVEWAY

COMMERCIAL ENTRANCE (CE):
P.C.C. DRIVEWAY PAVEMENT 8 (200)
MEASURED IN SQ. YD. (m²)

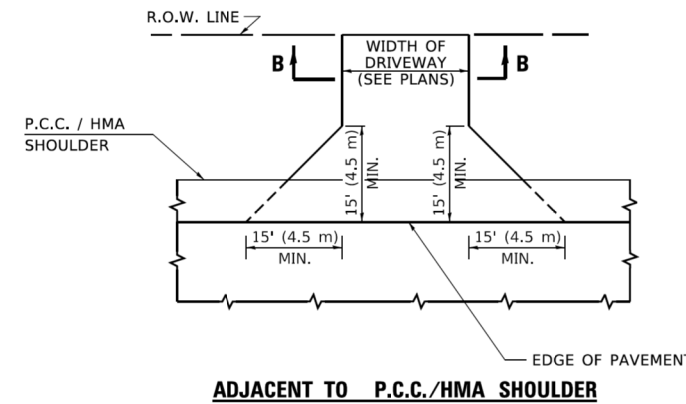
NON-COMMERCIAL ENTRANCE (PE):
P.C.C. DRIVEWAY PAVEMENT 6 (150)
MEASURED IN SQ. YD. (m²)

SECTION A-A

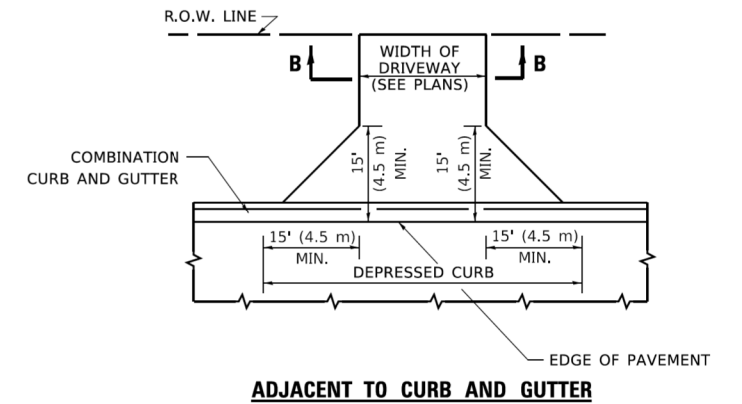
HMA DRIVEWAY

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

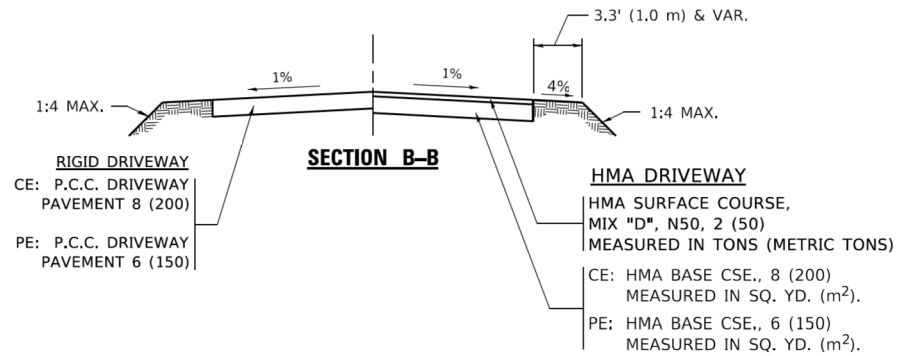
CE: HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²).
PE: HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²).



ADJACENT TO P.C.C./HMA SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

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

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

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

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

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

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

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SPT-067-000.dgn
 PLOT DATE: 3/27/2019
 PLOT SCALE: 50.0000' / 1"

USER NAME = footemj	DESIGNED - R. SHAH	REVISED - P. LoFLUER 04-15-03
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 06-11-08
PLOT DATE = 3/27/2019	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'(4.5m)			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

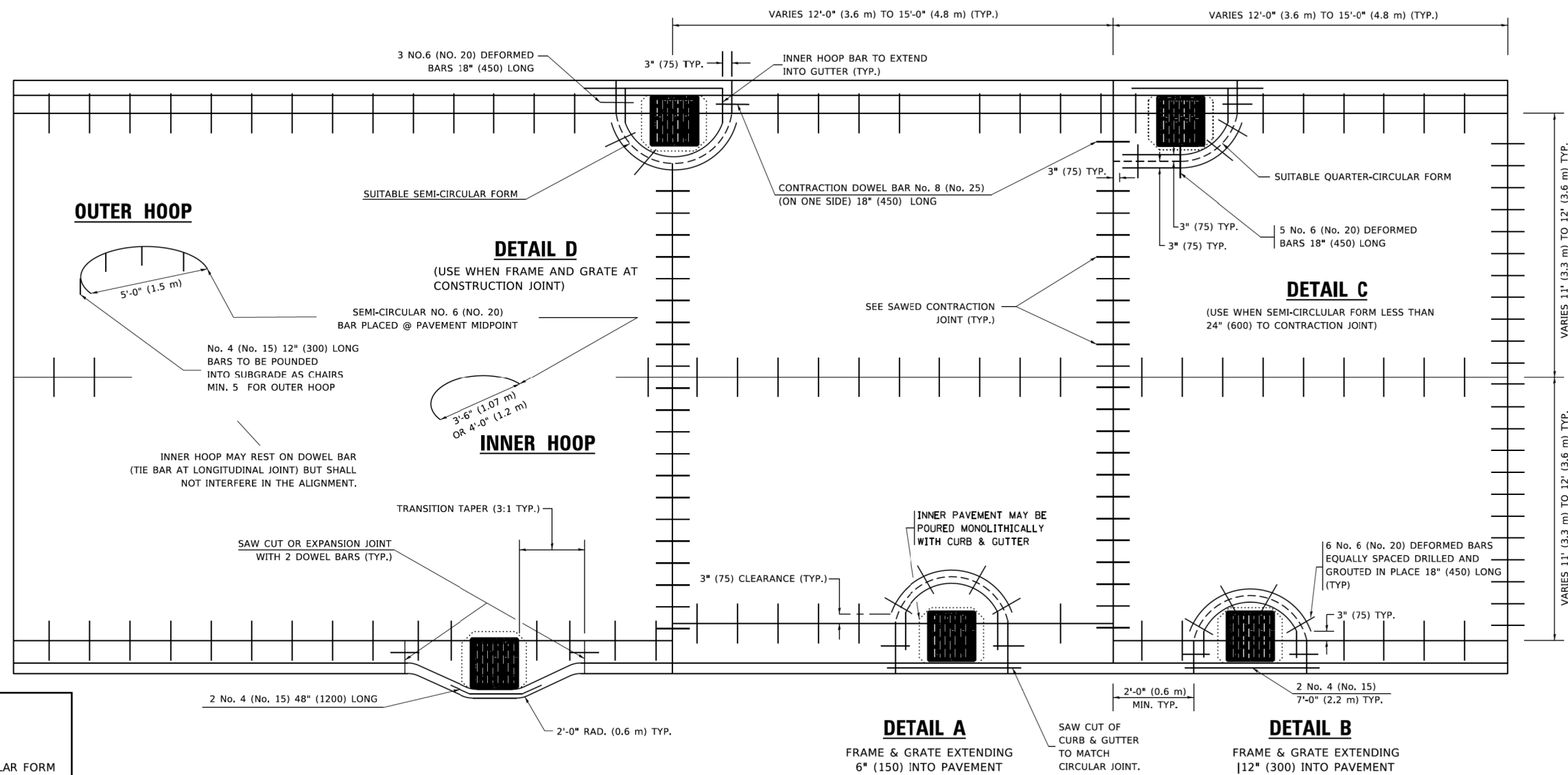
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	36
BD400-01 (BD-01)			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

DESIGNER NOTE
THIS DETAIL IS TO BE USED
WHEN THE GUTTER FLAG IS
LESS THAN 24"

NOTES:

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF THE TIE BARS.
4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.



**TRANSITION CURB & AND GUTTER INTO PARKWAY
(PREFERRED BECAUSE PAVING OF MAINLINE NOT AFFECTED.)**

LEGEND

.....	CASTING
-----	SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN INCHES
(MILLIMETERS) UNLESS OTHERWISE NOTED

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SPT-067-BD48.dgn
 PLOT DATE: 3/27/2019
 PLOT SCALE: 50.0000' / 1"
 FILE: \\p160325\p160325\160325.dwg
 PLOT DATE: 3/27/2019
 PLOT SCALE: 50.0000' / 1"
 PLOT DATE: 3/27/2019

USER NAME = footemj	DESIGNED - A. ABBAS	REVISED - T. MATOUSEK 08-28-00
	DRAWN - TOM MATOUSEK	REVISED - T. MATOUSEK 10-02-00
PLOT SCALE = 50.0000' / 1"	CHECKED - A. ABBAS	REVISED - T. MATOUSEK 04-25-02
PLOT DATE = 3/27/2019	DATE - 01-04-99	REVISED - P. LAFLEUR 08-27-02

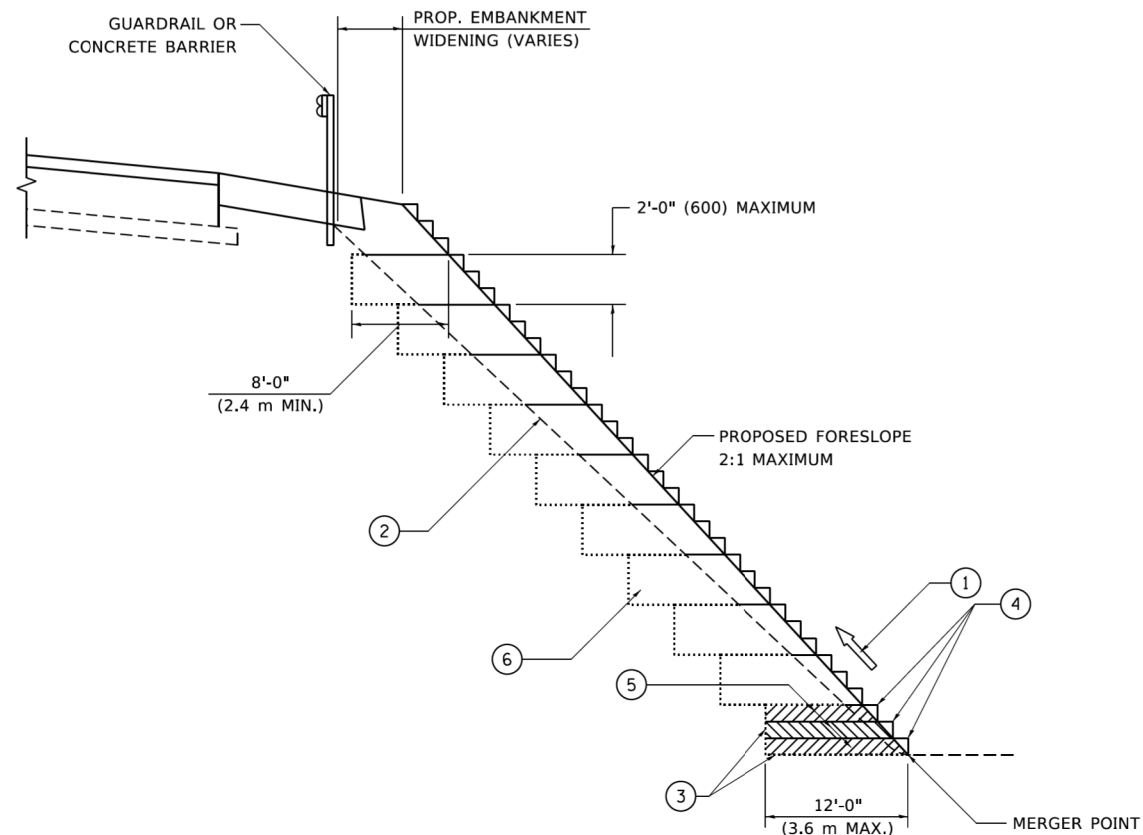
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PCC PAVEMENT ROUNDOUTS AT
CURB AND GUTTER**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	37
BD-48			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
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 FILE PATH: C:\Users\jgarcia\OneDrive\Documents\160325-SPT-06T-BD51.dgn
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**TYPICAL BENCHING DETAIL
 FOR EMBANKMENT**

NOTES:

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

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

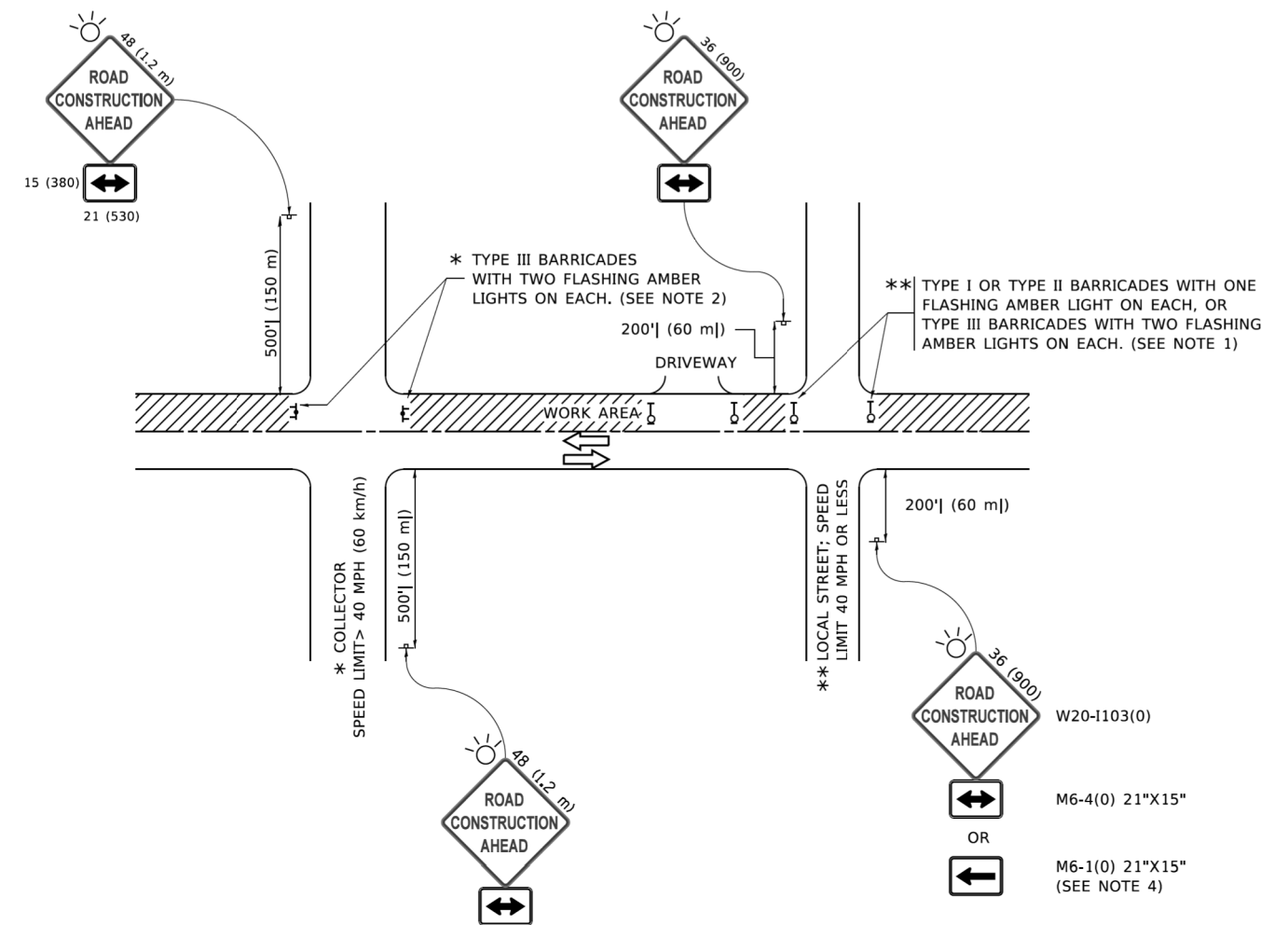
USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED - S.E.B.	REVISED -
PLOT DATE = 3/27/2019	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
 FOR EMBANKMENT WIDENING**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	38
BD-51			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SPT-067-TC00.dgn
 PLOT DATE: 3/4/2019
 PLOT SCALE: 50.0000' / 1"

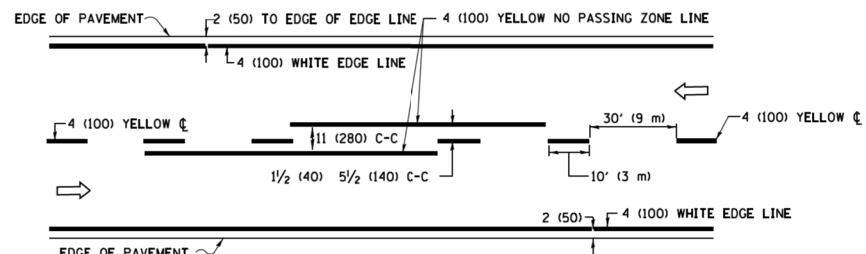
USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

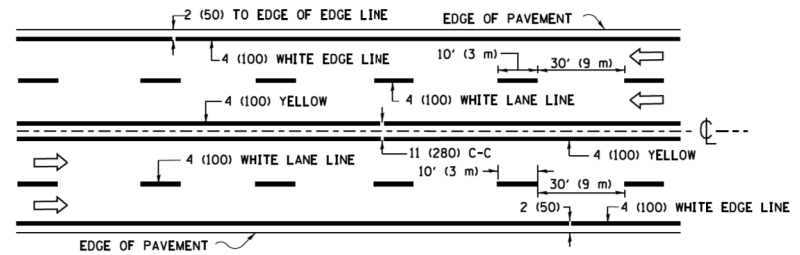
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

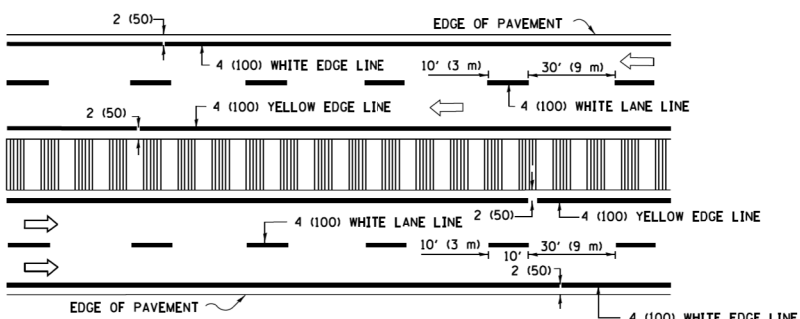
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	39
TC-10			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

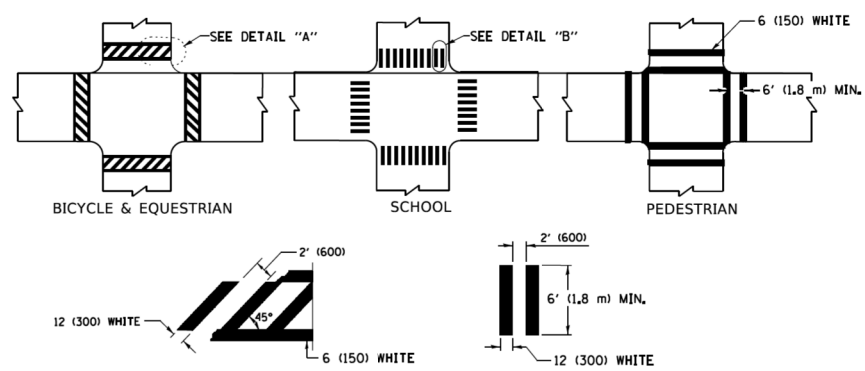


MULTI-LANE UNDIVIDED



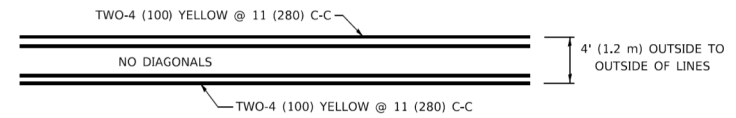
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

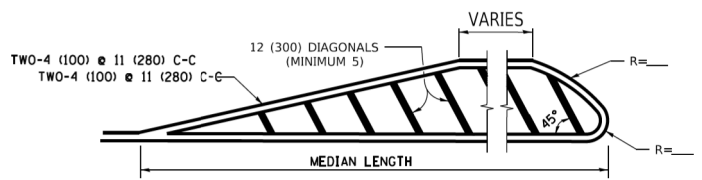


TYPICAL CROSSWALK MARKING

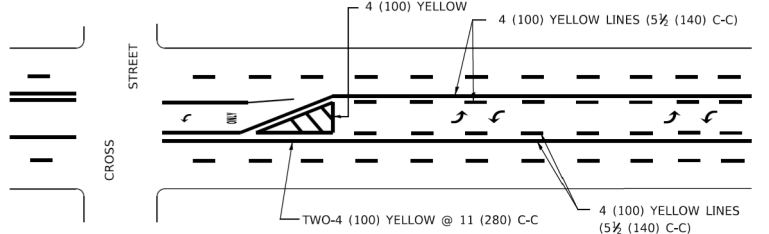
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



4' (1.2 m) WIDE MEDIANS ONLY

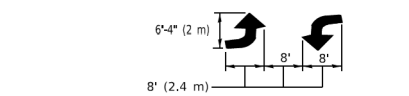


MEDIANS OVER 4' (1.2 m) WIDE



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

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

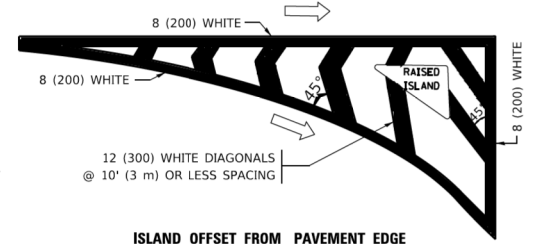


TYPICAL LEFT (OR RIGHT) TURN LANE

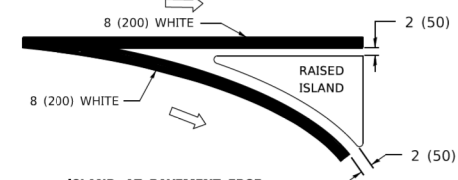
TYPICAL TURN LANE MARKING

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

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

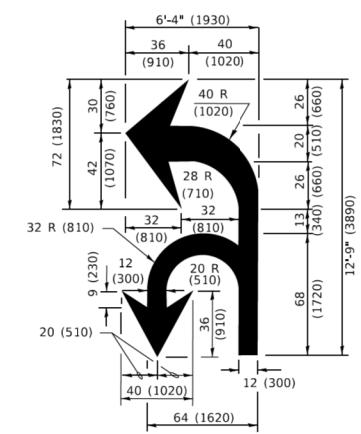


ISLAND OFFSET FROM PAVEMENT EDGE

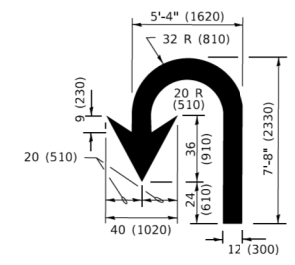


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

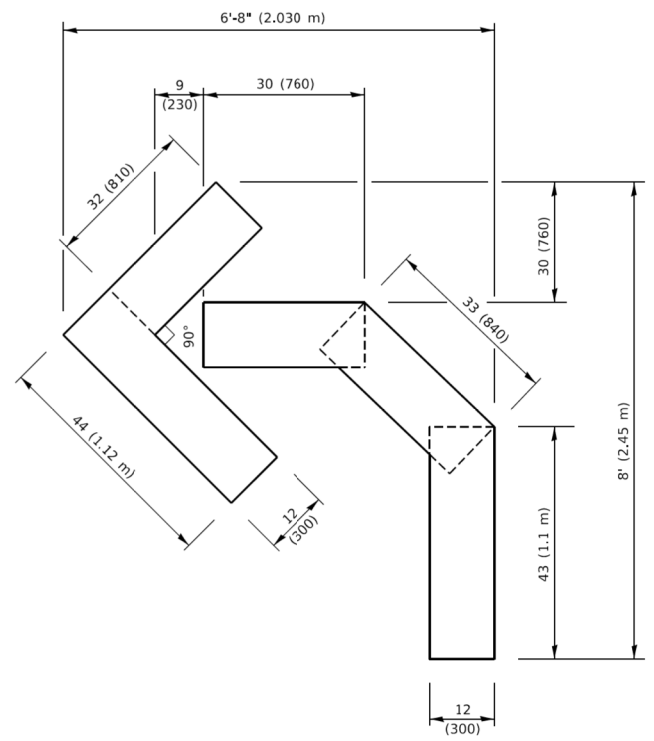
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 PROJECT: 160325-SP-1-06-17-10-15.dgn
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USER NAME	DESIGNED	REVISED
= footemj	- EVERS	- C. JUCIUS 09-09-09
	- DRAWN	- C. JUCIUS 07-01-13
PLOT SCALE = 50.0000" / 1"	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

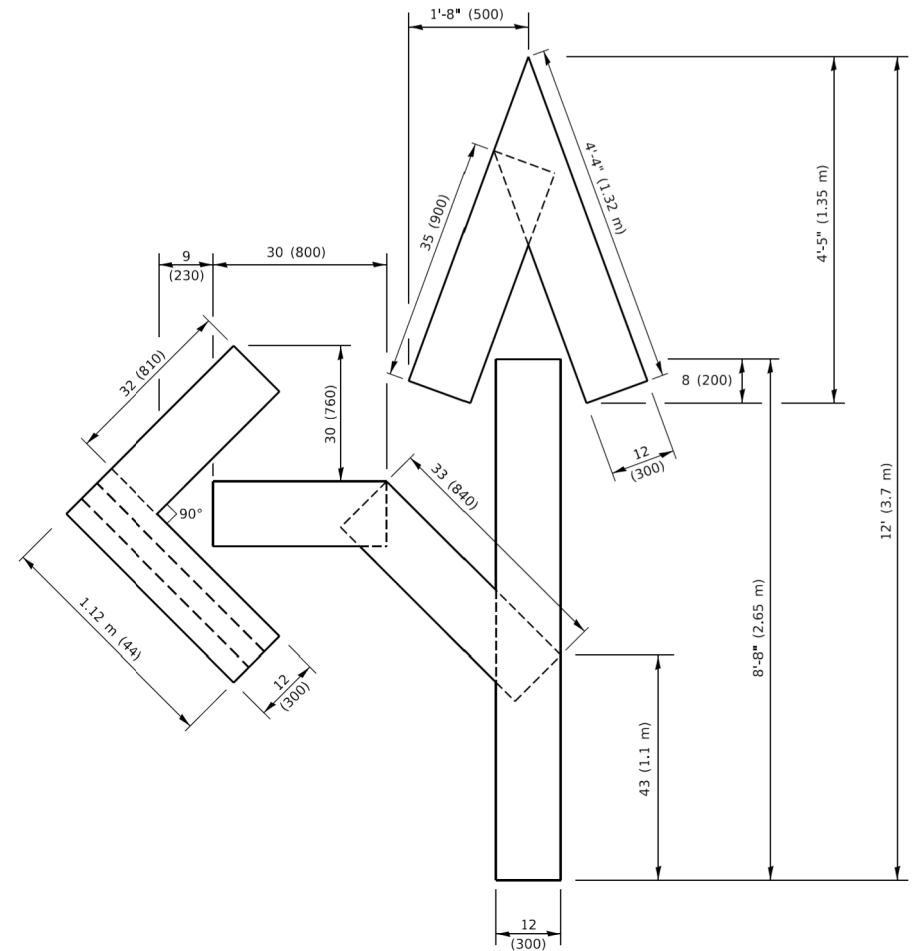
DISTRICT ONE TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	40
TC-13			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



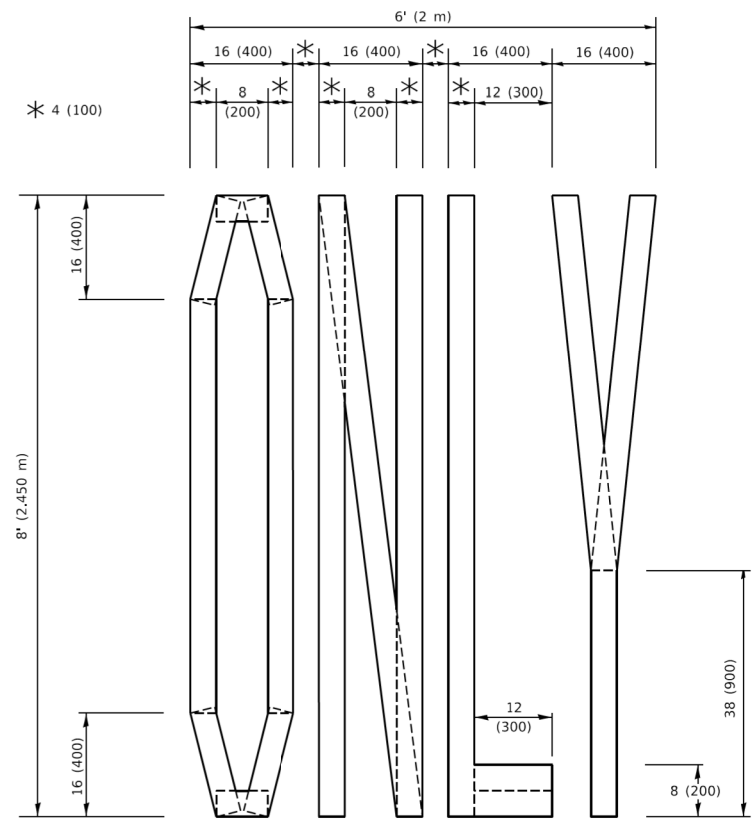
QUANTITY

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



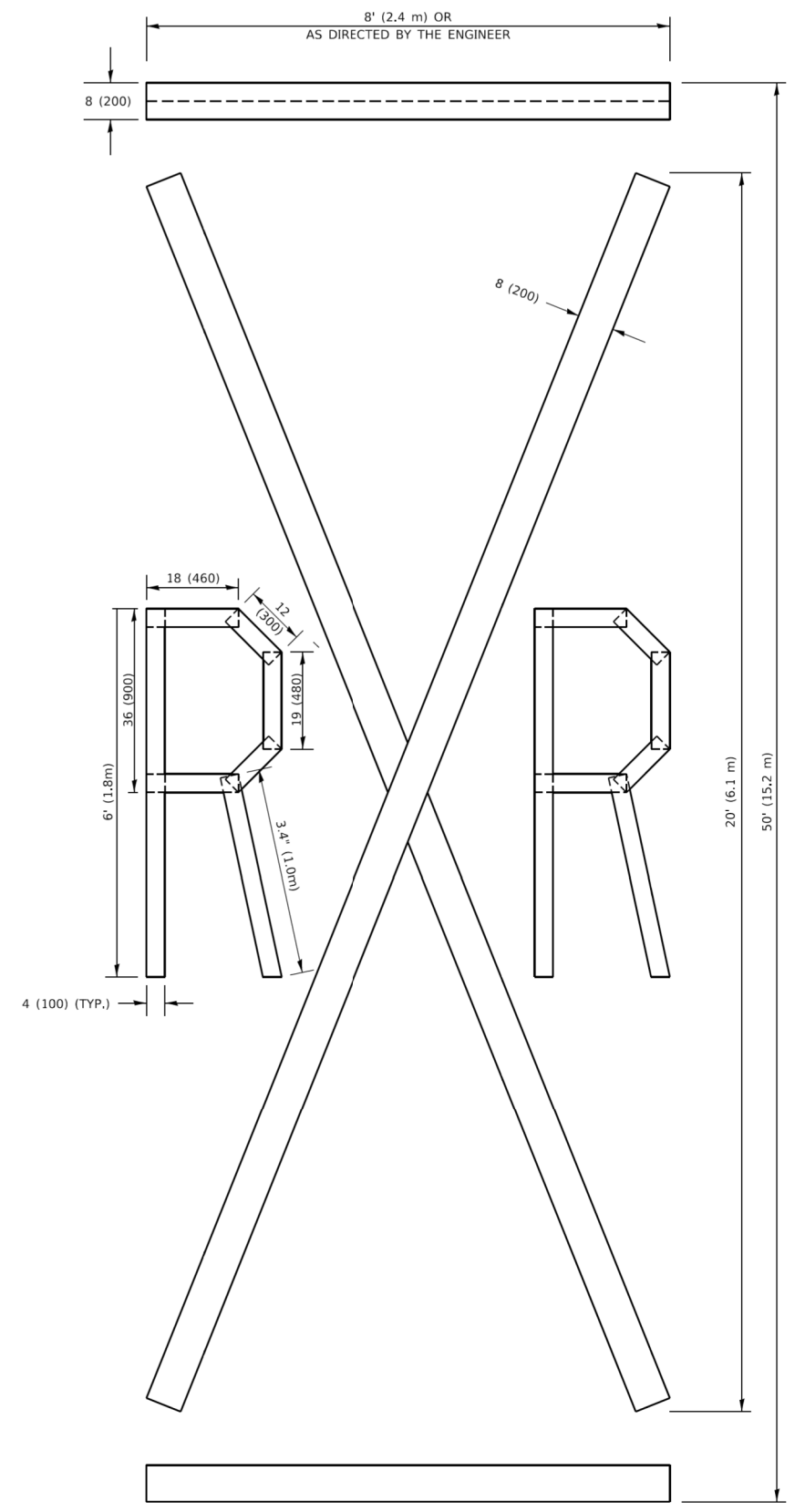
QUANTITY

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



QUANTITY

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



QUANTITY

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

NOTE:

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

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

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SPT.dwg
 PEN: 160325-SPT.dwg
 FILE NAME: 160325-SPT.dwg
 FILE NAME: 160325-SPT.dwg
 FILE NAME: 160325-SPT.dwg

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068" / ft.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	41
TC-16			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SPT-067-TC2.dgn
 PLOT NAME: 160325-SPT-067-TC2.dgn
 PLOT SCALE: 1/4" = 100'-0"

PROJECT: ILLINOIS STATE HIGHWAY 30 DETOUR SIGNING
 SHEET: 1 OF 1
 DATE: 3/4/2019

ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-2-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

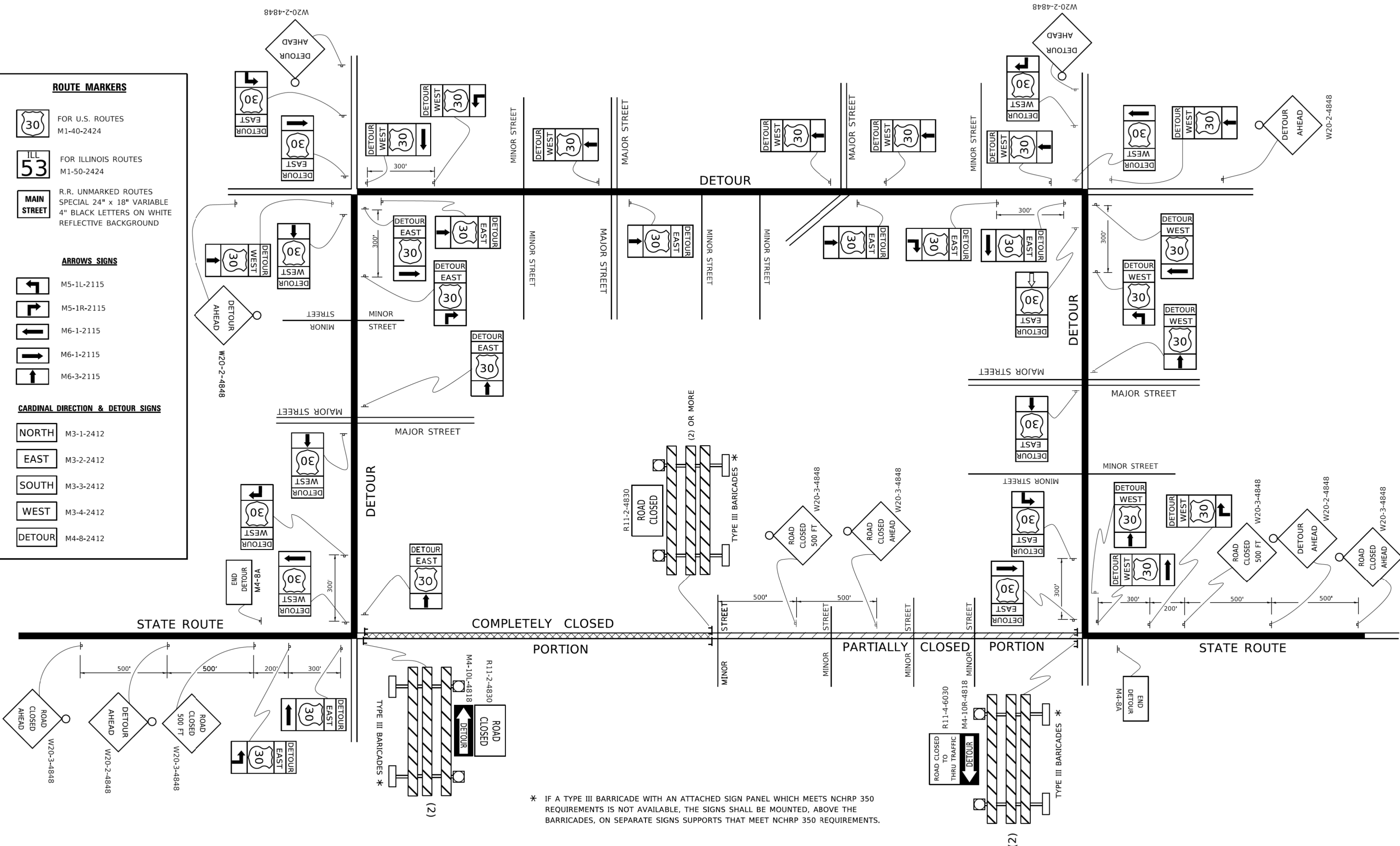
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

USER NAME = footemj	DESIGNED -	REVISED - 10-18-02
	DRAWN -	REVISED - R. BORO 09-14-09
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

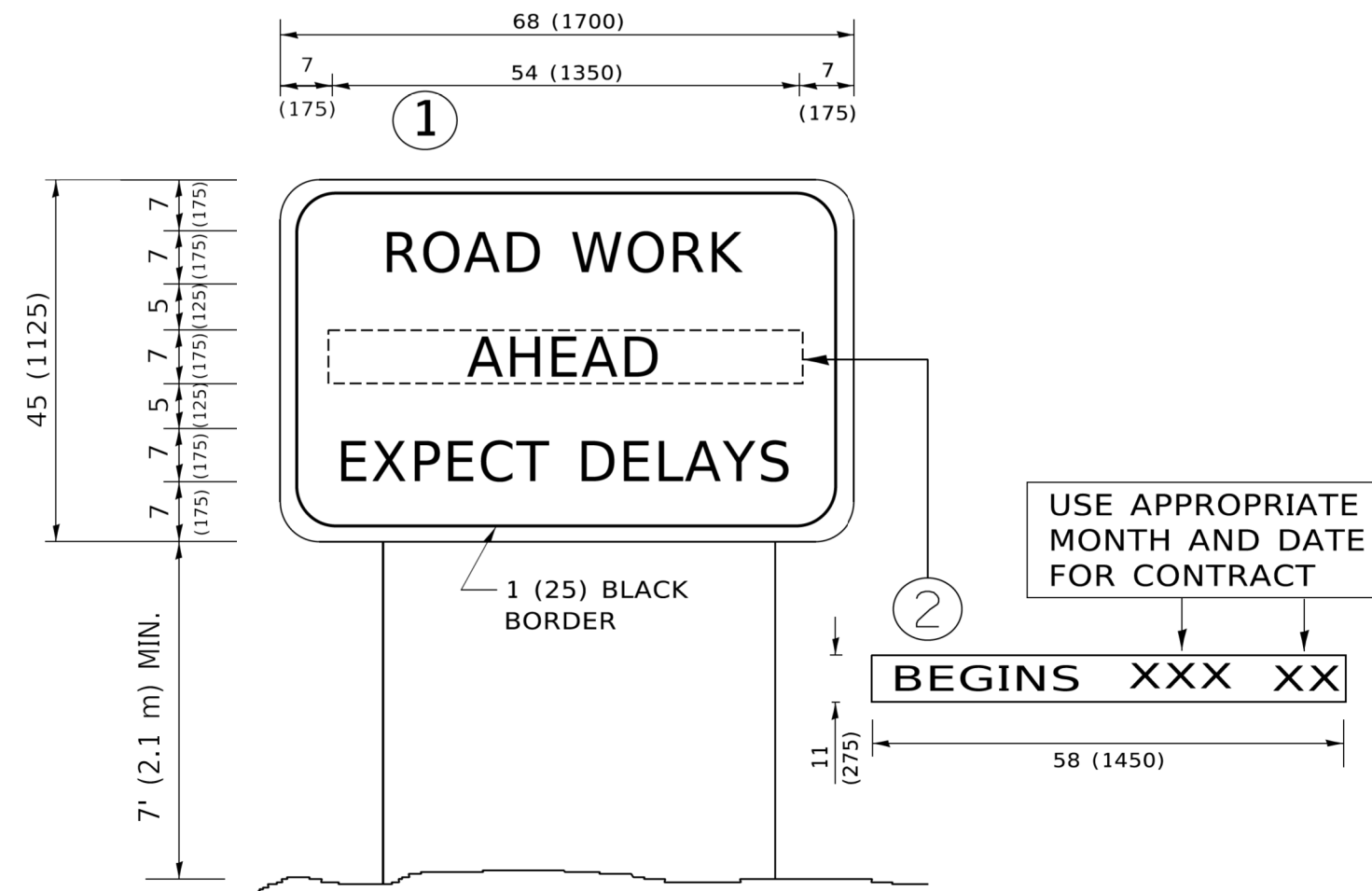
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING
 FOR CLOSING STATE HIGHWAYS**

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

F.A.U. RTE. 2298	SECTION 17-00091-00-FP	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 42
TC-21		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

HRG PROJECT NO.: 160325
 HRG PROJ. CONTACT:
 FILE NAME: 160325-SPR-067-T22.dgn
 PLOT DATE: 3/4/2019
 PLOT SCALE: 50.0000' / 1"
 FILE NAME: PROJ\160325-SPR-067-T22.dgn
 PROJECT: ILLINOIS STATE ROADWAY IMPROVEMENT PROJECTS
 CONTRACT: 17-00091-00-FP
 SHEET: 67 OF 67



NOTES:

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

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

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

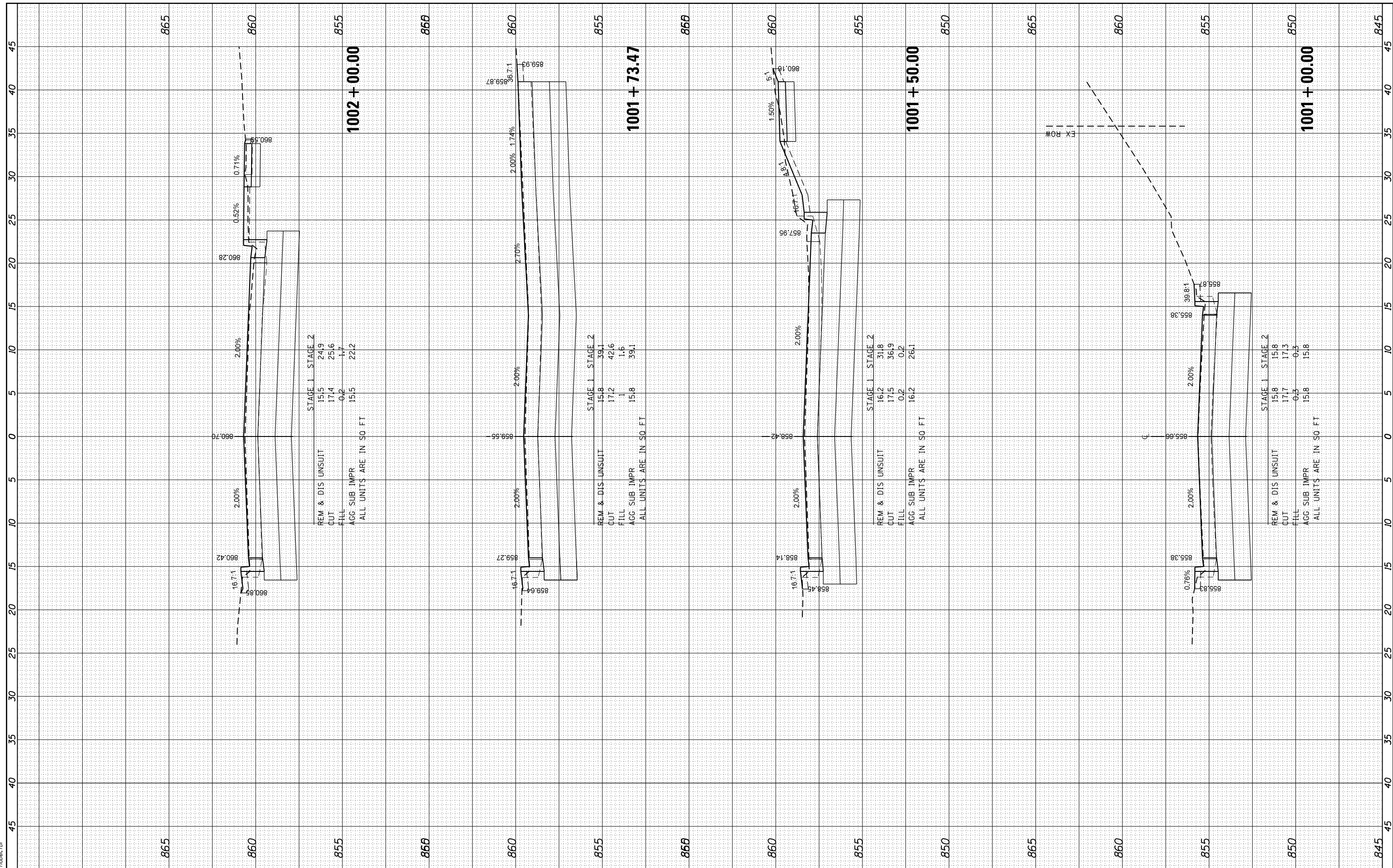
ARTERIAL ROAD INFORMATION SIGN			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	43
TC-22			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO: 160325
 FILE NAME: 160325_1711.dwg
 PLOT DRIVER: il_caf_bwp17c1g
 PEN TABLE: p101tbl1.tbl



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 Illinois Professional Design Firm
 #184-001322

USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BOLZ ROAD**

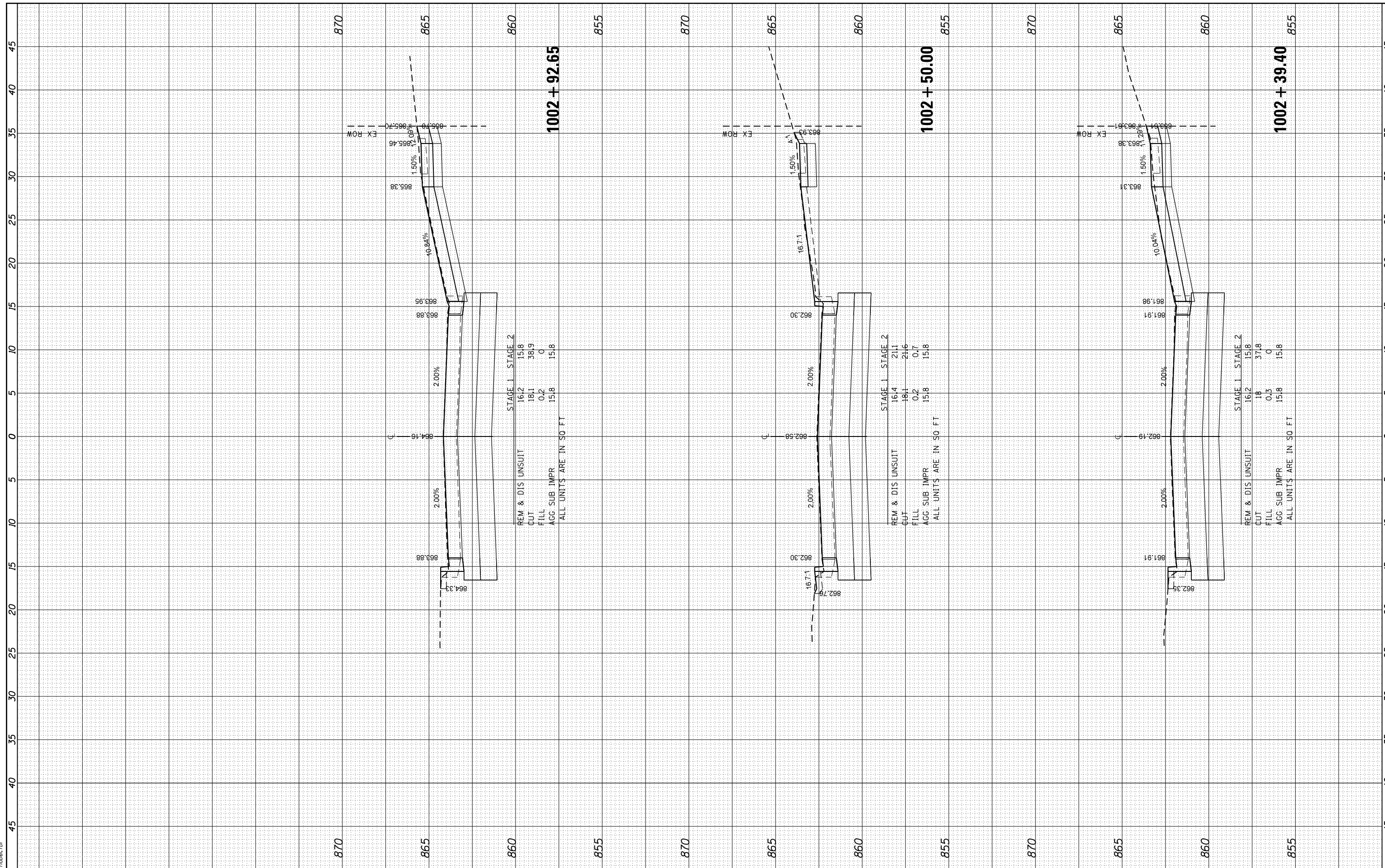
SCALE: 5H:2.5V SHEET 1 OF 24 SHEETS STA. 1001+00.00 TO STA. 1002+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	44
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_1711_160325.dgn
 PLOT DRIVER: il_caf_bmp17c7g
 PEN TABLE: plot1tbl.tbl



STAGE 1 STAGE 2

REM. & DIS UNSUIT	16.2	15.8
CUT	18.1	38.9
FILL	0.2	0
AGG SUB IMPR	15.8	15.8

ALL UNITS ARE IN SO FT

STAGE 1 STAGE 2

REM. & DIS UNSUIT	16.4	21.1
CUT	18.1	21.6
FILL	0.2	0.7
AGG SUB IMPR	15.8	15.8

ALL UNITS ARE IN SO FT

STAGE 1 STAGE 2

REM. & DIS UNSUIT	16.2	15.8
CUT	18	37.8
FILL	0.3	0
AGG SUB IMPR	15.8	15.8

ALL UNITS ARE IN SO FT

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USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 BOLZ ROAD

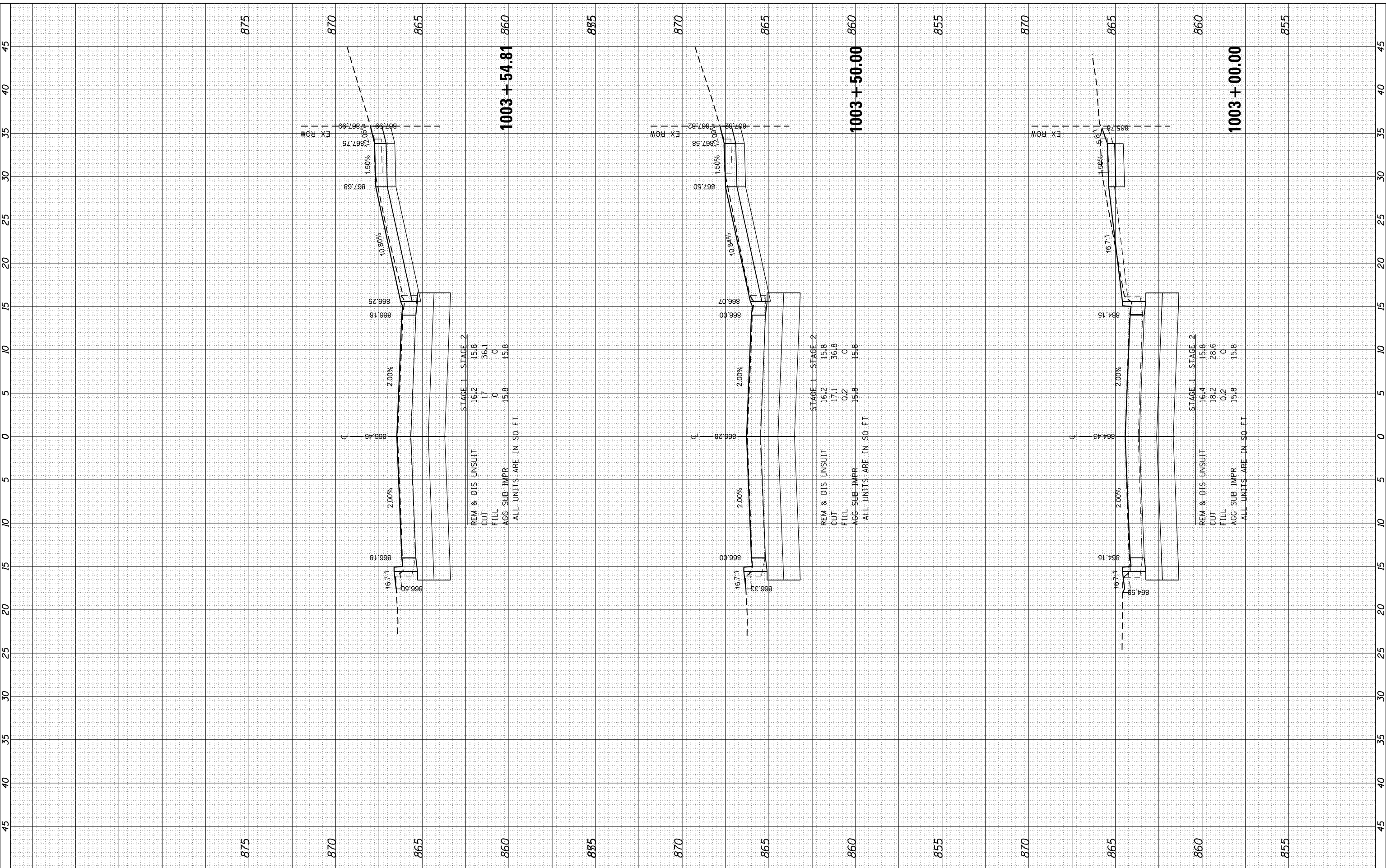
SCALE: 5H:2.5V SHEET 2 OF 24 SHEETS STA. 1002+39.40 TO STA. 1002+92.65

F.A.U R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	45
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_1711.dwg
 PLOT DRIVER: j_lapf_bmp16c7g
 PEN TABLE: plot16tbl.tbl



1003 + 54.81

REM & DIS UNSUIT	16.2	15.8
CUT	17	36.1
FILL	0	0
AGG SUB IMPR	15.8	15.8

STAGE 1 STAGE 2

ALL UNITS ARE IN SO FT

1003 + 50.00

REM & DIS UNSUIT	16.2	15.8
CUT	17.1	36.8
FILL	0.2	0
AGG SUB IMPR	15.8	15.8

STAGE 1 STAGE 2

ALL UNITS ARE IN SO FT

1003 + 00.00

REM & DIS UNSUIT	16.4	15.8
CUT	18.2	28.6
FILL	0.2	0
AGG SUB IMPR	15.8	15.8

STAGE 1 STAGE 2

ALL UNITS ARE IN SO FT

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USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 BOLZ ROAD

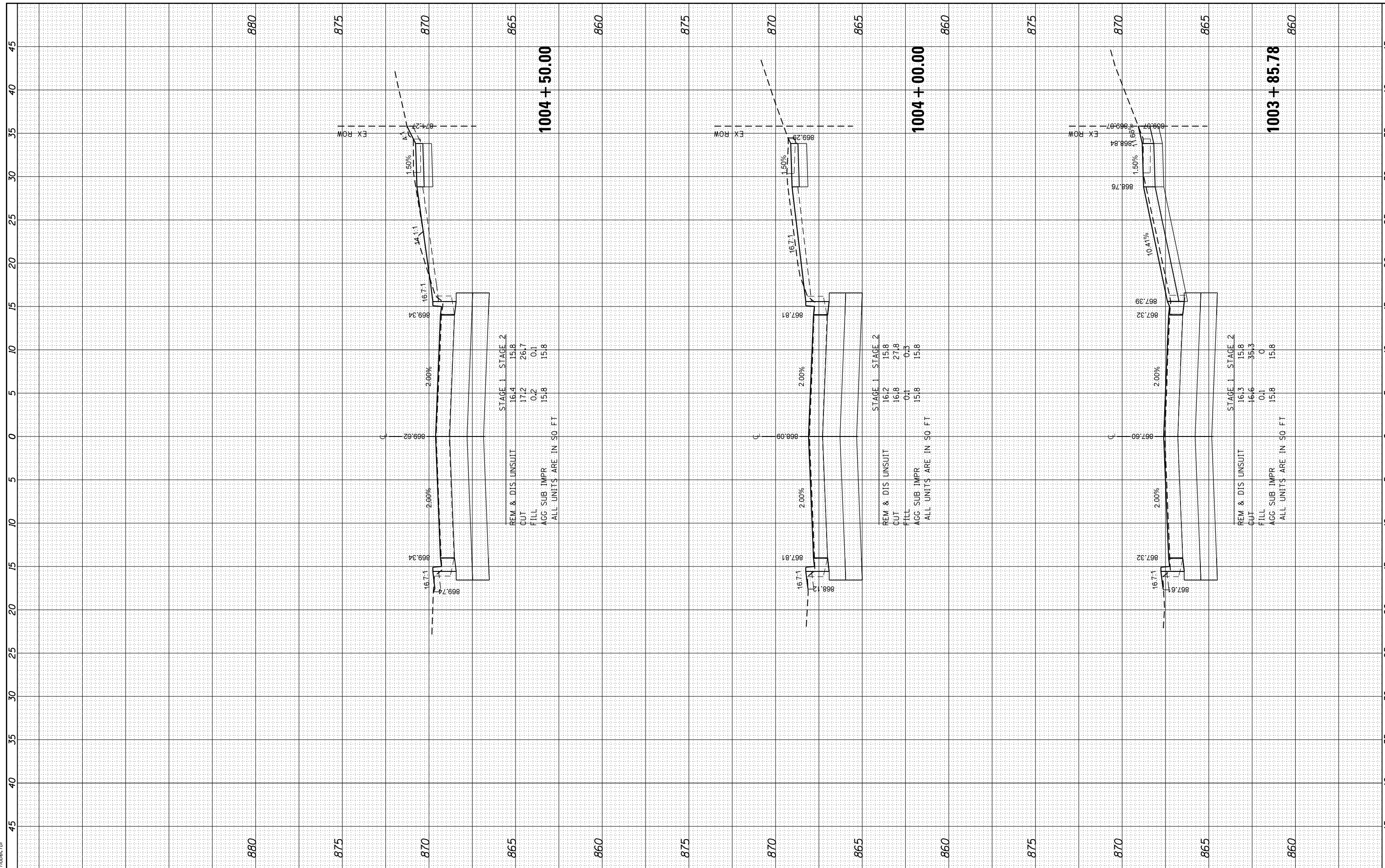
SCALE: 5H:2.5V SHEET 3 OF 24 SHEETS STA. 1003+00.00 TO STA. 1003+54.81

F.A.U. RT.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	46
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_1711_160325.dwg
 PLOT DRIVER: il_caf_bwp17c1g
 PEN TABLE: p1010a1.tcl



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 #184-001322

USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BOLZ ROAD**

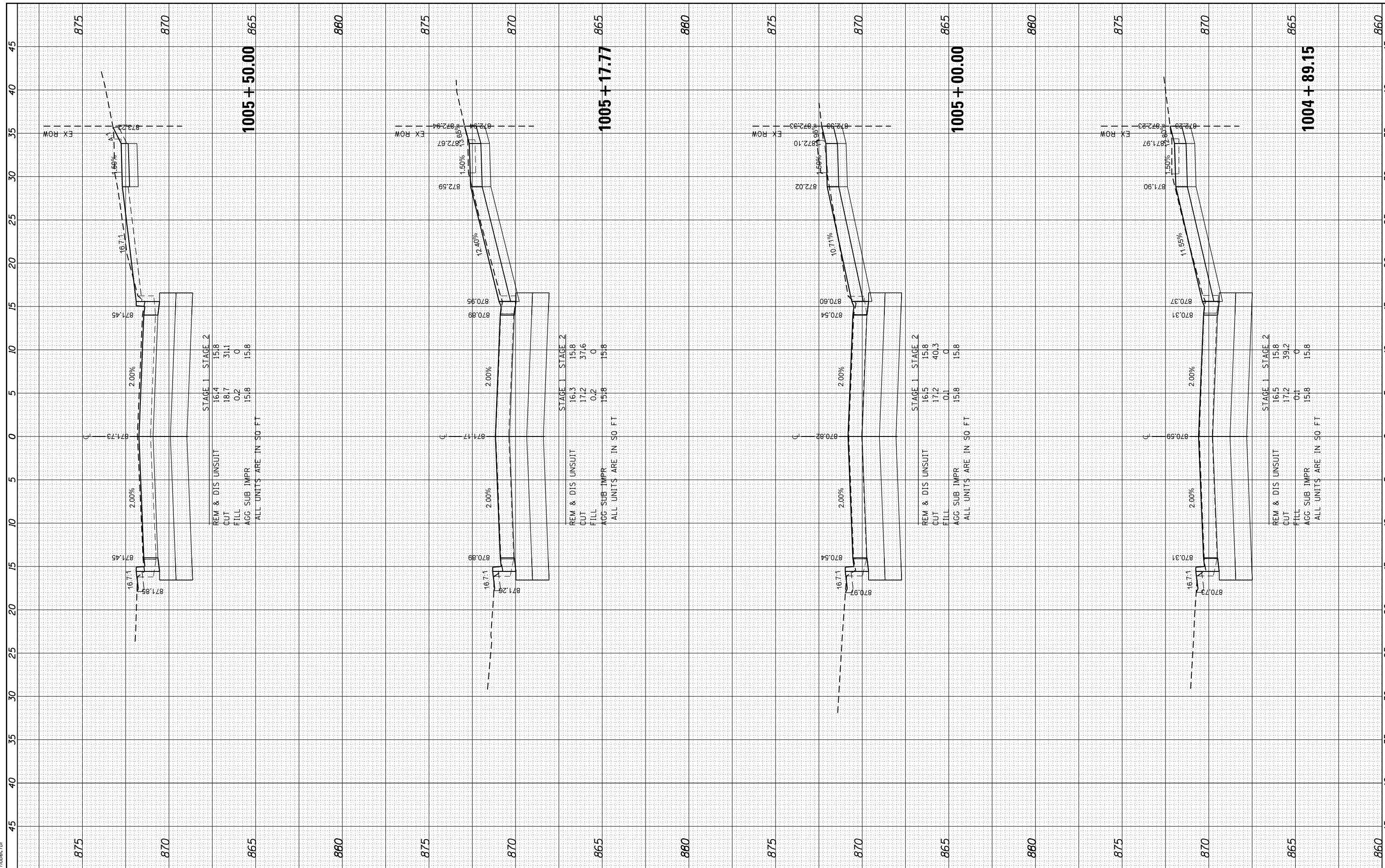
SCALE: 5H:2.5V SHEET 4 OF 24 SHEETS STA. 1003+85.78 TO STA. 1004+50.00

F.A.U R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	47
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

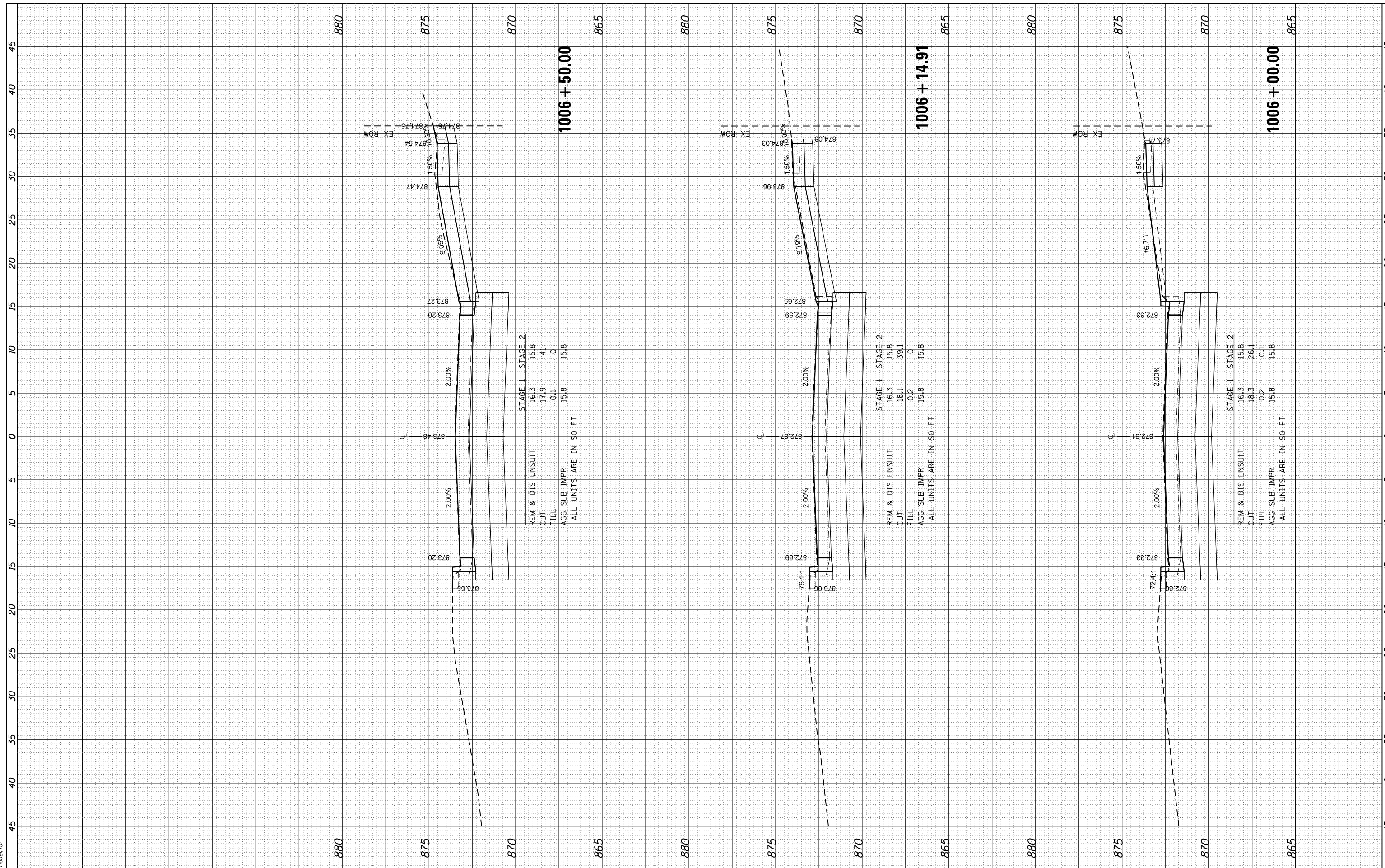
HRG PROJECT No: 160325
 FILE NAME: 160325 - 880.dgn
 PLOT DRIVER: j_cpc@hrghd.com
 PEN TABLE: p101.tbl



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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_17_11_2020.dwg
 PLOT DRIVER: il_caf_bmp16c7g
 PEN TABLE: plot16tbl.tbl



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 #184-001322

USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BOLZ ROAD**

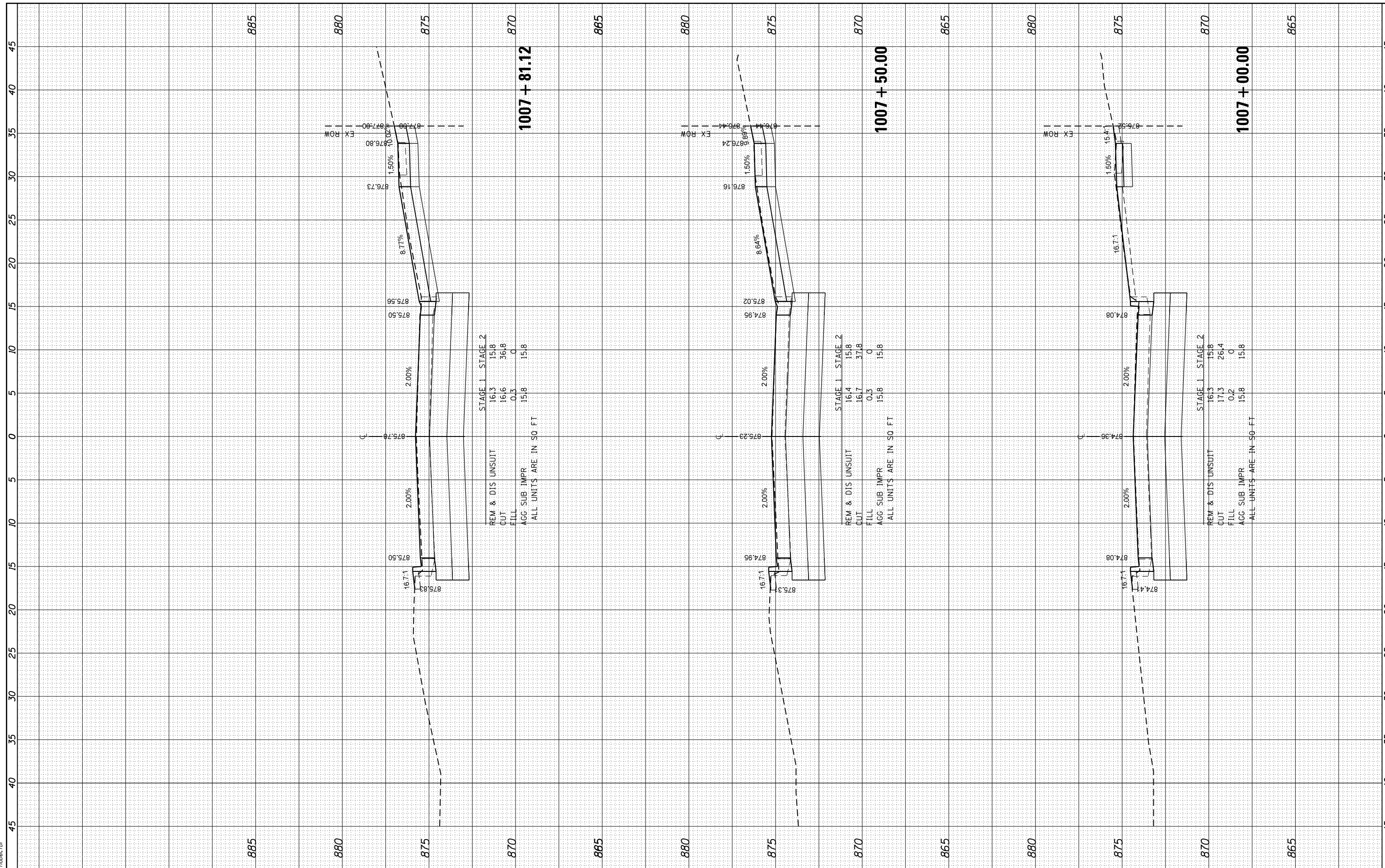
SCALE: 5H:2.5V SHEET 6 OF 24 SHEETS STA. 1006+00.00 TO STA. 1006+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	49
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_1711_160325.dgn
 PLOT DRIVER: il_caf_bwp17c7g
 PEN TABLE: plottab.tbl



1007 + 81.12

STAGE 1	16.3	15.8
STAGE 2	16.6	15.8
REM & DIS UNSUIT	16.6	15.8
CUT	0.3	0
FILL	15.8	15.8
AGG SUB IMPR	15.8	15.8

ALL UNITS ARE IN SQ FT

1007 + 50.00

STAGE 1	16.4	15.8
STAGE 2	16.7	15.8
REM & DIS UNSUIT	16.4	15.8
CUT	0.3	0
FILL	15.8	15.8
AGG SUB IMPR	15.8	15.8

ALL UNITS ARE IN SQ FT

1007 + 00.00

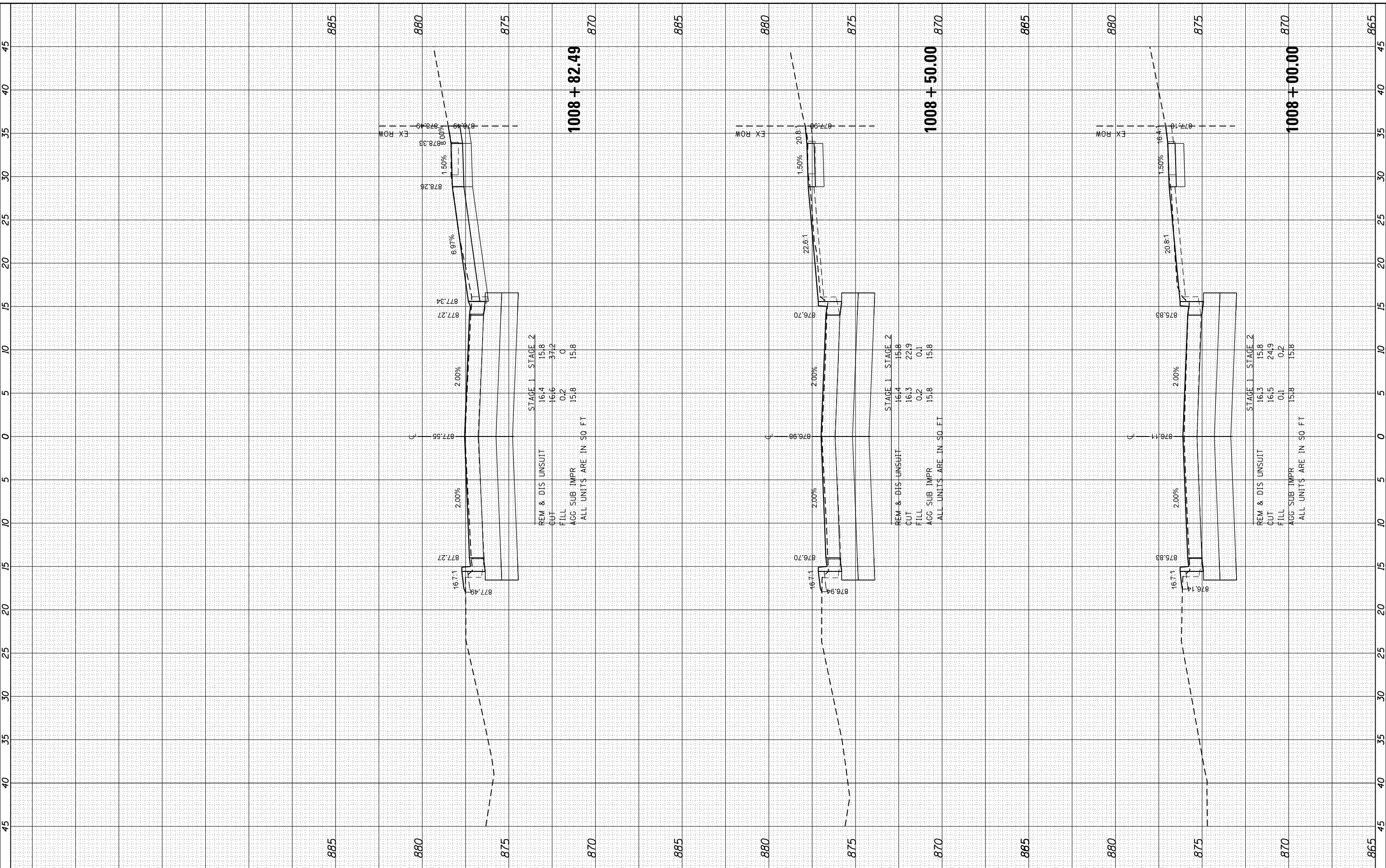
STAGE 1	16.3	15.8
STAGE 2	17.3	15.8
REM & DIS UNSUIT	17.3	15.8
CUT	0.2	0
FILL	15.8	15.8
AGG SUB IMPR	15.8	15.8

ALL UNITS ARE IN SQ FT

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

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

HRG PROJECT NO: 160325
 FILE NAME: 160325_17_11_16.dgn
 PLOT DRIVER: ilcraf_bmp16c7g
 PEN TABLE: plot16tbl.tbl



1008 + 82.49

REM & DIS UNSUIT	16.4	15.8
CUT	16.6	31.2
FILL	0.2	0
AGG SUB IMPR	15.8	15.8

STAGE 1 STAGE 2

ALL UNITS ARE IN SO.FT

1008 + 50.00

REM & DIS UNSUIT	16.4	15.8
CUT	16.3	22.9
FILL	0.2	0.1
AGG SUB IMPR	15.8	15.8

STAGE 1 STAGE 2

ALL UNITS ARE IN SO.FT

1008 + 00.00

REM & DIS UNSUIT	16.3	15.8
CUT	16.5	24.9
FILL	0.1	0.2
AGG SUB IMPR	15.8	15.8

STAGE 1 STAGE 2

ALL UNITS ARE IN SO.FT

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 #184-001322

USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BOLZ ROAD**

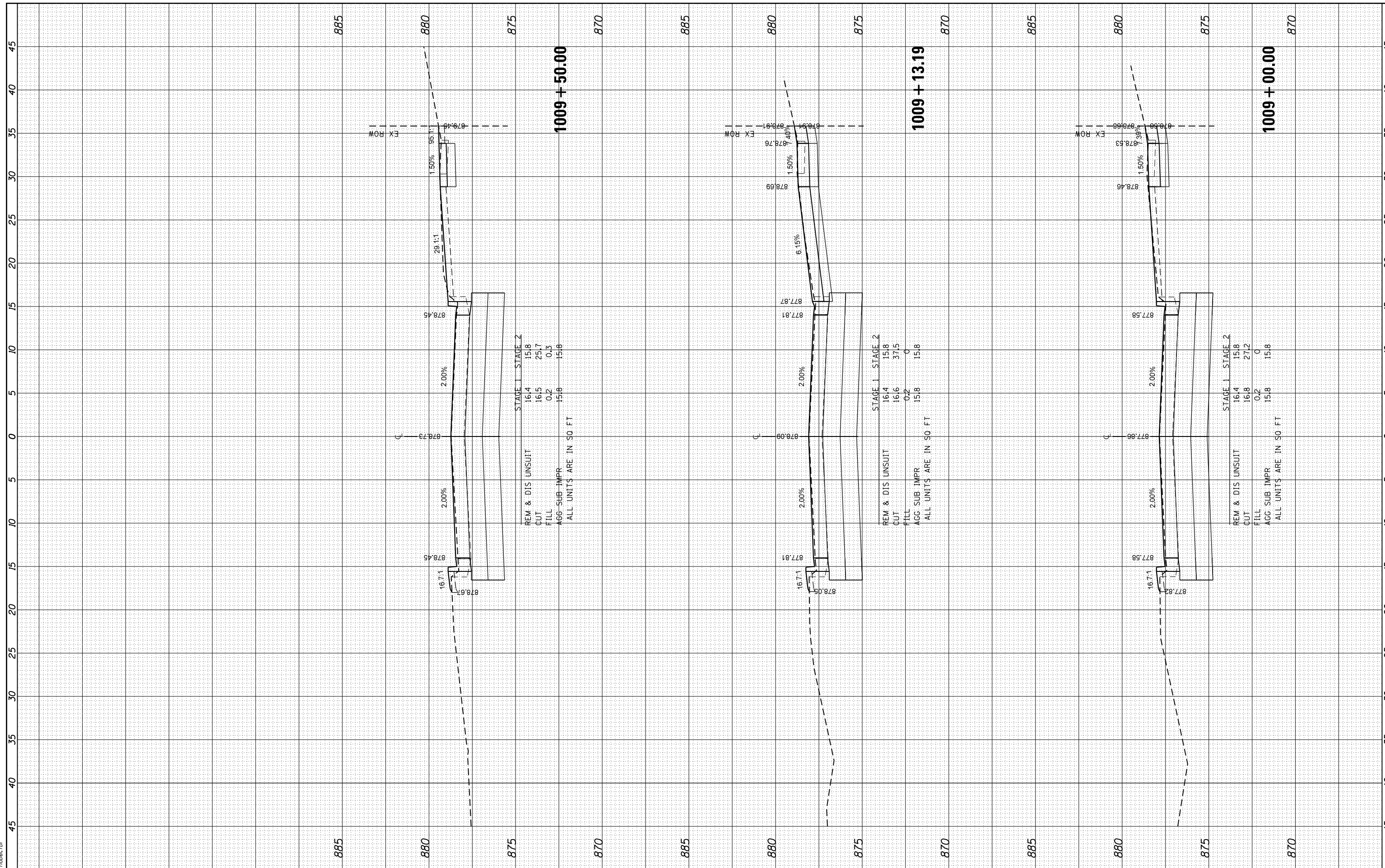
SCALE: 5H:2.5V SHEET 8 OF 24 SHEETS STA. 1008+00.00 TO STA. 1008+82.49

F.A.U. RTE. 2298	SECTION NO. 17-00091-00-FP	COUNTY KANE	TOTAL SHEETS 67	SHEET NO. 51
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED
NO.	PLOTTED
	TEMPLATE
	AREAS
	CHECKED

ORIGINAL SURVEY NO.	SURVEYED
NO.	PLOTTED
	TEMPLATE
	AREAS
	CHECKED

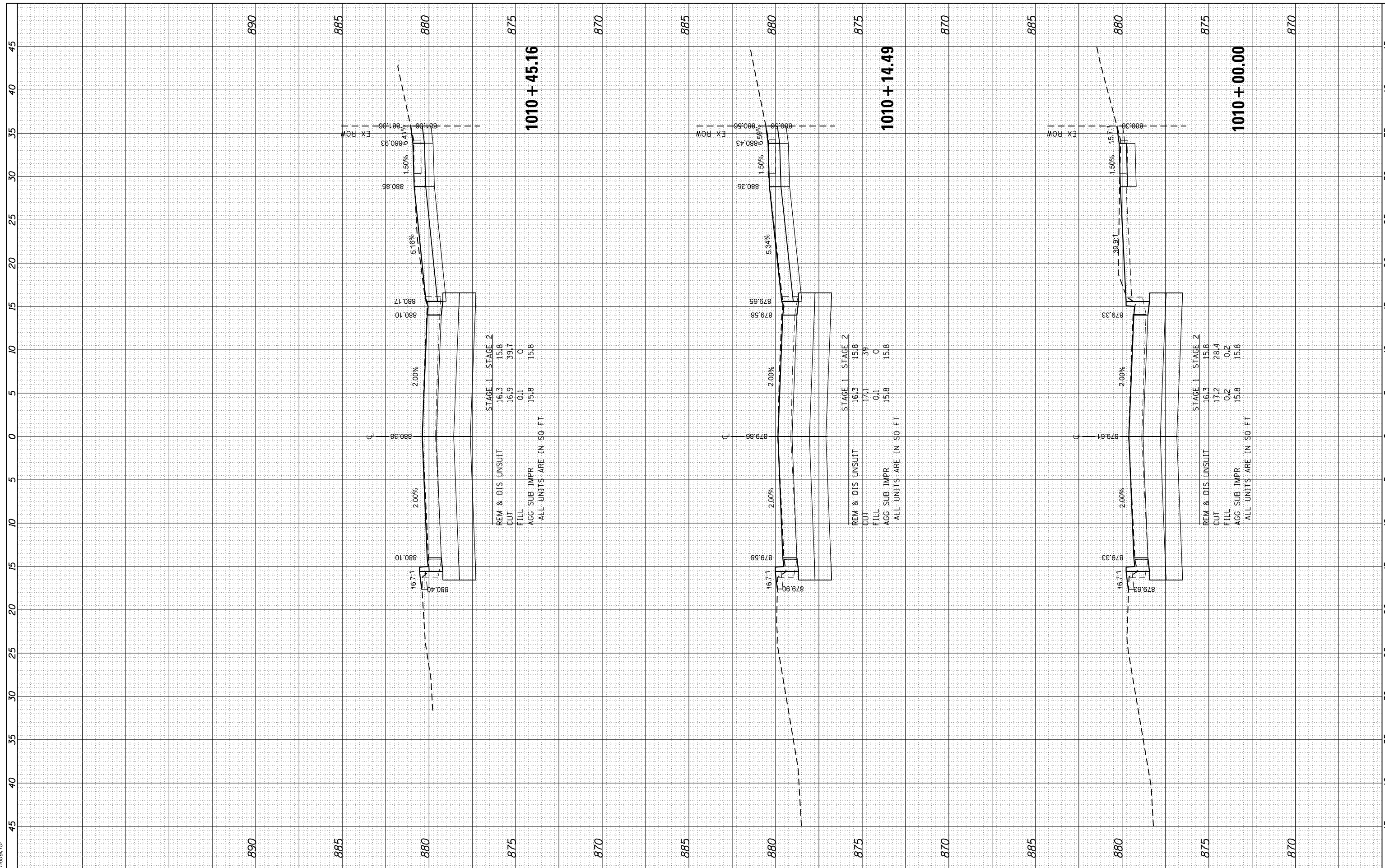
HRG PROJECT No: 160325
 FILE NAME: 160325_11_15.dgn
 PLOT DRIVER: j_caf_bwp16c7g
 PEN TABLE: plot16a.tbl



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

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

HRG PROJECT NO: 160325
 FILE NAME: 160325_1711.dwg
 PLOT DRIVER: j_lapf_bwp17c1g
 PEN TABLE: plot16tbl.tbl



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 Illinois Professional Design Firm
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USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BOLZ ROAD**

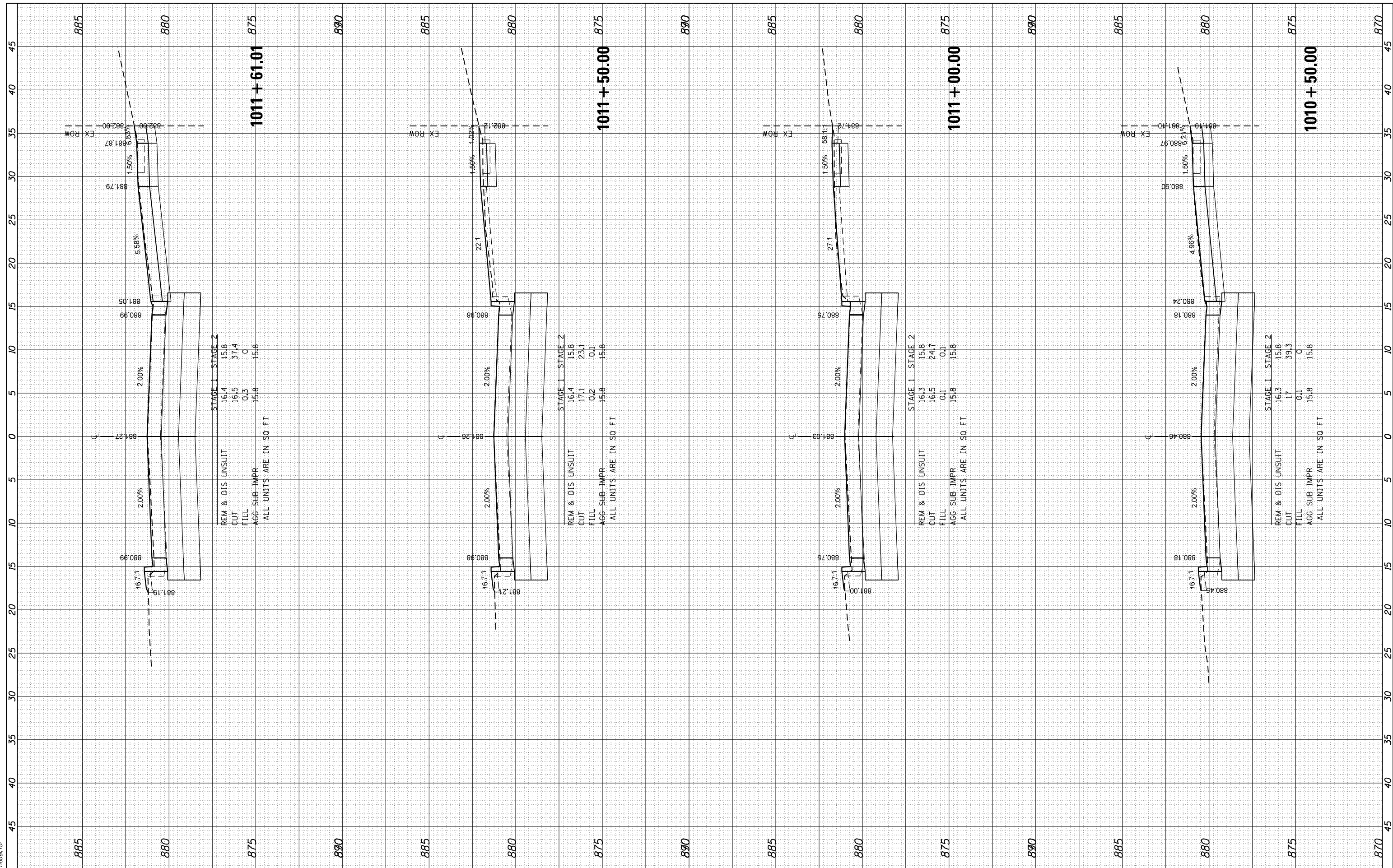
SCALE: 5H:2.5V SHEET 10 OF 24 SHEETS STA. 1010+00.00 TO STA. 1010+45.16

F.A.U. R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	53
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_11.dwg
 PLOT DRIVER: j_cpc@hrh.com
 PEN TABLE: plot/tables.tbl



1011 + 61.01

STAGE 1	16.4	15.8
STAGE 2	16.5	31.4
CUT	0.3	0
FILL	15.8	15.8

REM & DIS UNSUIT
 AGG SUB IMPR
 ALL UNITS ARE IN SO FT

1011 + 50.00

STAGE 1	16.4	15.8
STAGE 2	17.1	23.1
CUT	0.2	0.1
FILL	15.8	15.8

REM & DIS UNSUIT
 AGG SUB IMPR
 ALL UNITS ARE IN SO FT

1011 + 00.00

STAGE 1	16.3	15.8
STAGE 2	16.5	24.7
CUT	0.1	0.1
FILL	15.8	15.8

REM & DIS UNSUIT
 AGG SUB IMPR
 ALL UNITS ARE IN SO FT

1010 + 50.00

STAGE 1	16.3	15.8
STAGE 2	17	39.3
CUT	0.1	0
FILL	15.8	15.8

REM & DIS UNSUIT
 AGG SUB IMPR
 ALL UNITS ARE IN SO FT



USER NAME	- dstencz
DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-
PLOT SCALE	-
PLOT DATE	- 11/22/2020

DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-

REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 BOLZ ROAD

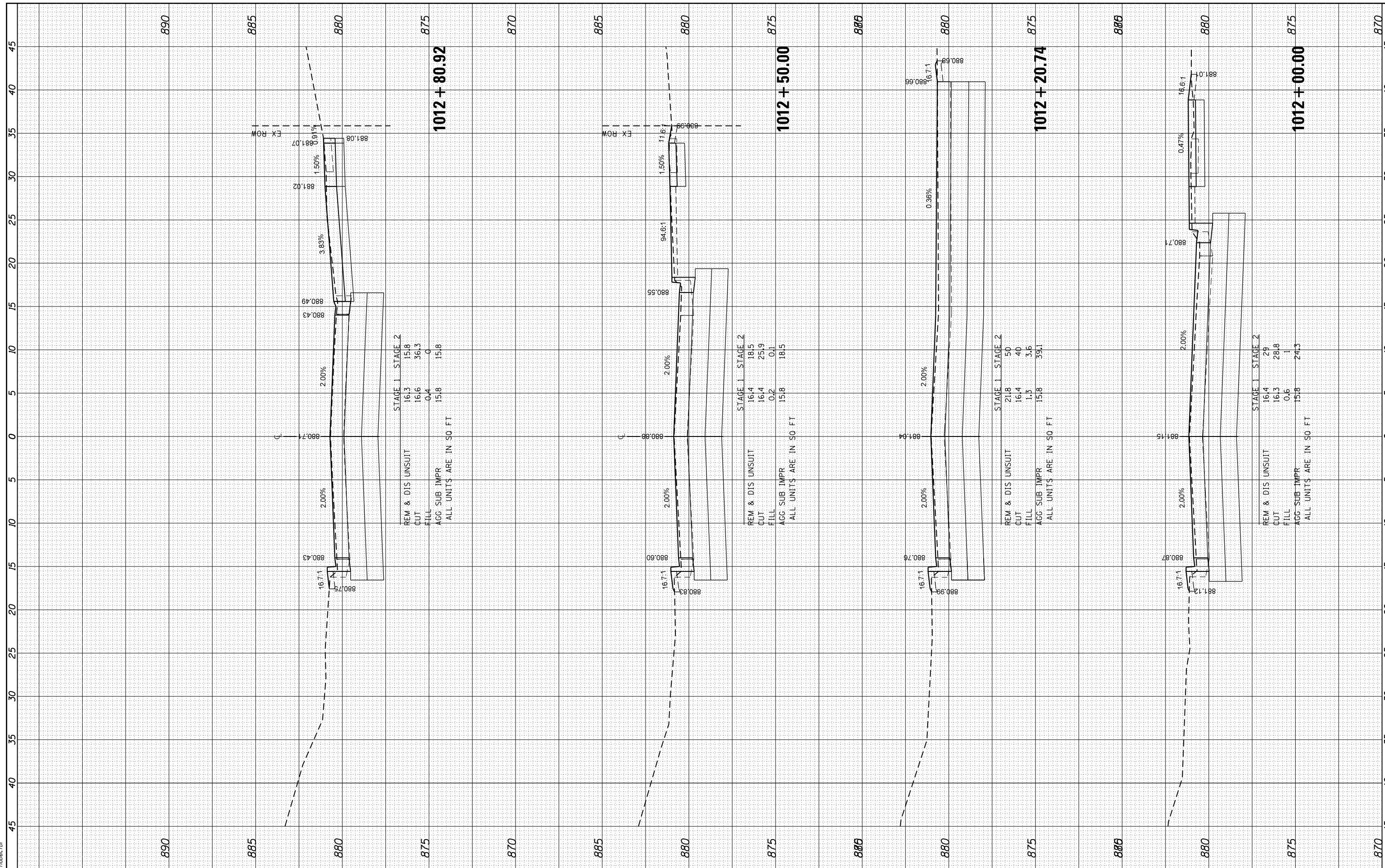
SCALE: 5H:2.5V SHEET 11 OF 24 SHEETS STA. 1010+50.00 TO STA. 1011+61.01

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	54
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		

HRG PROJECT No: 160325
 FILE NAME: 160325_11_22_2020.dwg
 PLOT DRIVER: j_lapf_bwp16c7g
 PEN TABLE: plot.tbl



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 #184-001322

USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BOLZ ROAD**

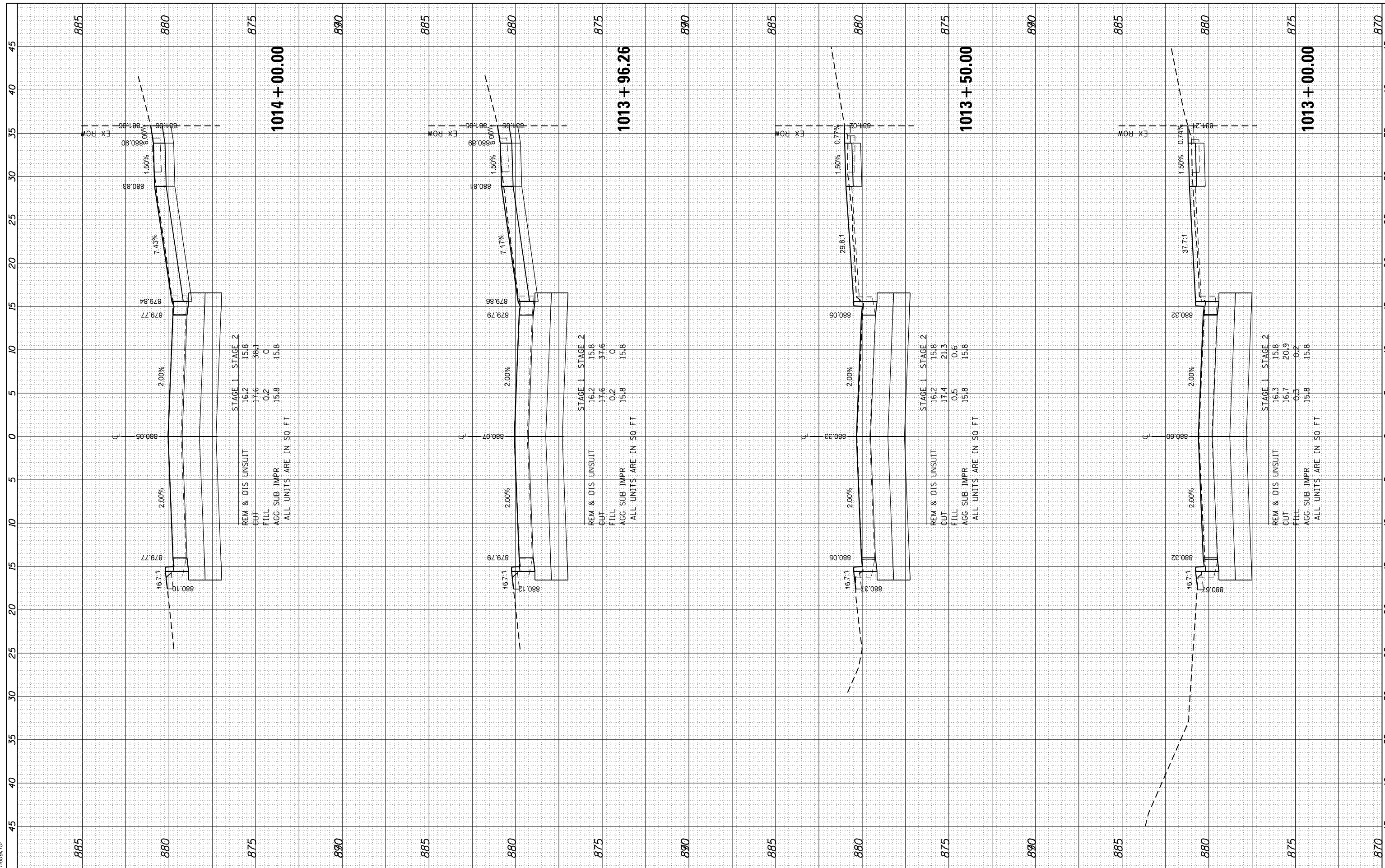
SCALE: 5H:2.5V SHEET 12 OF 24 SHEETS STA. 1012+00.00 TO STA. 1012+80.92

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	55
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_17.dgn
 PLOT DRIVER: j_cpc@hrfg.com
 PEN TABLE: plot.tbl



HRGreen
 Illinois Professional Design Firm
 #184-001322

USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

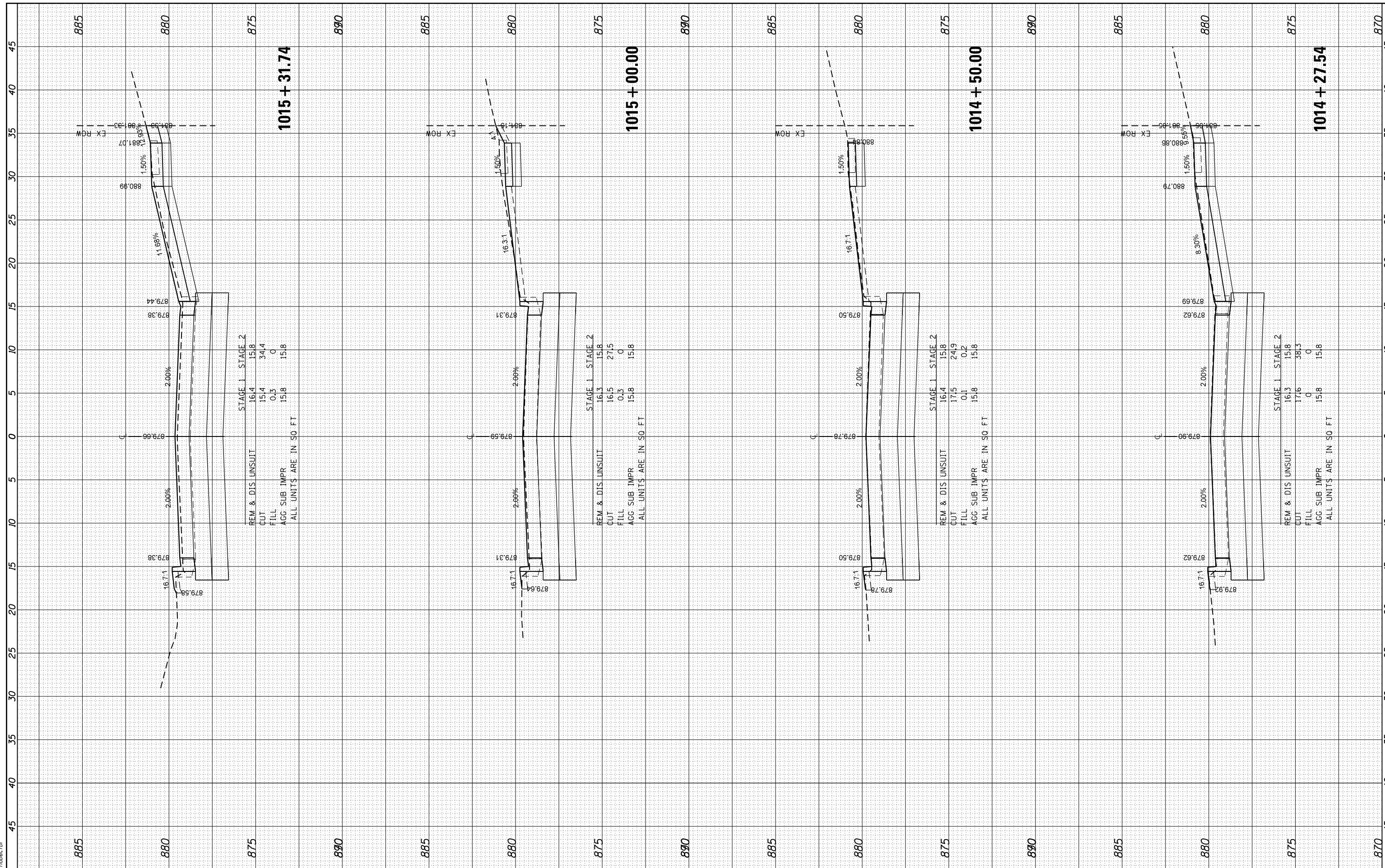
**CROSS SECTIONS
 BOLZ ROAD**
 SCALE: 5H:2.5V SHEET 13 OF 24 SHEETS STA. 1013+00.00 TO STA. 1014+00.00

F.A.U R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	56
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_160325.dgn
 PLOT DRIVER: j_cpc@hrh.com
 PEN TABLE: plot.tbl



1015 + 31.74

REM & DIS UNSUIT	16.4	15.8
CUT	15.4	34.4
FILL	0.3	0
AGG SUB IMPR	15.8	15.8

STAGE 1 STAGE 2
 ALL UNITS ARE IN SO FT

1015 + 00.00

REM & DIS UNSUIT	16.3	15.8
CUT	16.5	21.5
FILL	0.3	0
AGG SUB IMPR	15.8	15.8

STAGE 1 STAGE 2
 ALL UNITS ARE IN SO FT

1014 + 50.00

REM & DIS UNSUIT	16.4	15.8
CUT	17.5	24.9
FILL	0.1	0.2
AGG SUB IMPR	15.8	15.8

STAGE 1 STAGE 2
 ALL UNITS ARE IN SO FT

1014 + 27.54

REM & DIS UNSUIT	16.3	15.8
CUT	17.6	38.3
FILL	0	0
AGG SUB IMPR	15.8	15.8

STAGE 1 STAGE 2
 ALL UNITS ARE IN SO FT



USER NAME	- dstencz
DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-
PLOT SCALE	-
PLOT DATE	- 11/22/2020

DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-

REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 BOLZ ROAD

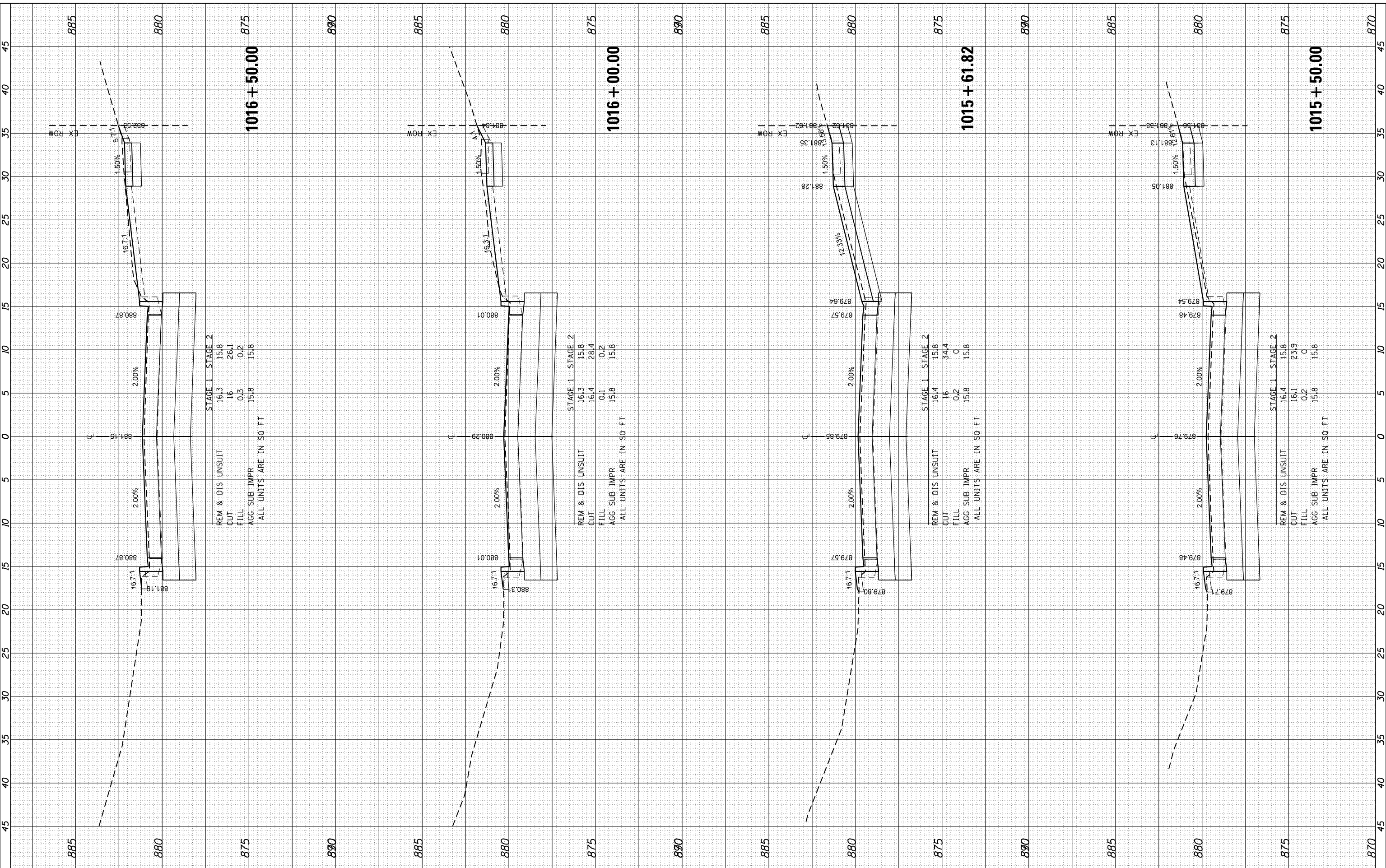
SCALE: 5H:2.5V SHEET 14 OF 24 SHEETS STA. 1014+27.54 TO STA. 1015+31.74

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	57
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_17-00091-00-FP.dgn
 PLOT DRIVER: j_cpc@hrghd.com
 PEN TABLE: plot/tables.tbl



1016 + 50.00

STAGE 1	16.3	15.8
STAGE 2	16	26.1
CUT	0.3	0.2
FILL	15.8	15.8

REM & DIS UNSUIT
 CUT
 FILL
 AGG SUB IMPR
 ALL UNITS ARE IN SQ FT

1016 + 00.00

STAGE 1	16.3	15.8
STAGE 2	16.4	28.4
CUT	0.1	0.2
FILL	15.8	15.8

REM & DIS UNSUIT
 CUT
 FILL
 AGG SUB IMPR
 ALL UNITS ARE IN SQ FT

1015 + 61.82

STAGE 1	16.4	15.8
STAGE 2	16	31.4
CUT	0.2	0
FILL	15.8	15.8

REM & DIS UNSUIT
 CUT
 FILL
 AGG SUB IMPR
 ALL UNITS ARE IN SQ FT

1015 + 50.00

STAGE 1	16.4	15.8
STAGE 2	16.1	23.9
CUT	0.2	0
FILL	15.8	15.8

REM & DIS UNSUIT
 CUT
 FILL
 AGG SUB IMPR
 ALL UNITS ARE IN SQ FT

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USER NAME	- dstencz
DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-
PLOT SCALE	-
PLOT DATE	- 11/22/2020

DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-

REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:	5H:2.5V
SHEET	15 OF 24 SHEETS
STA.	1015+50.00 TO STA. 1016+50.00

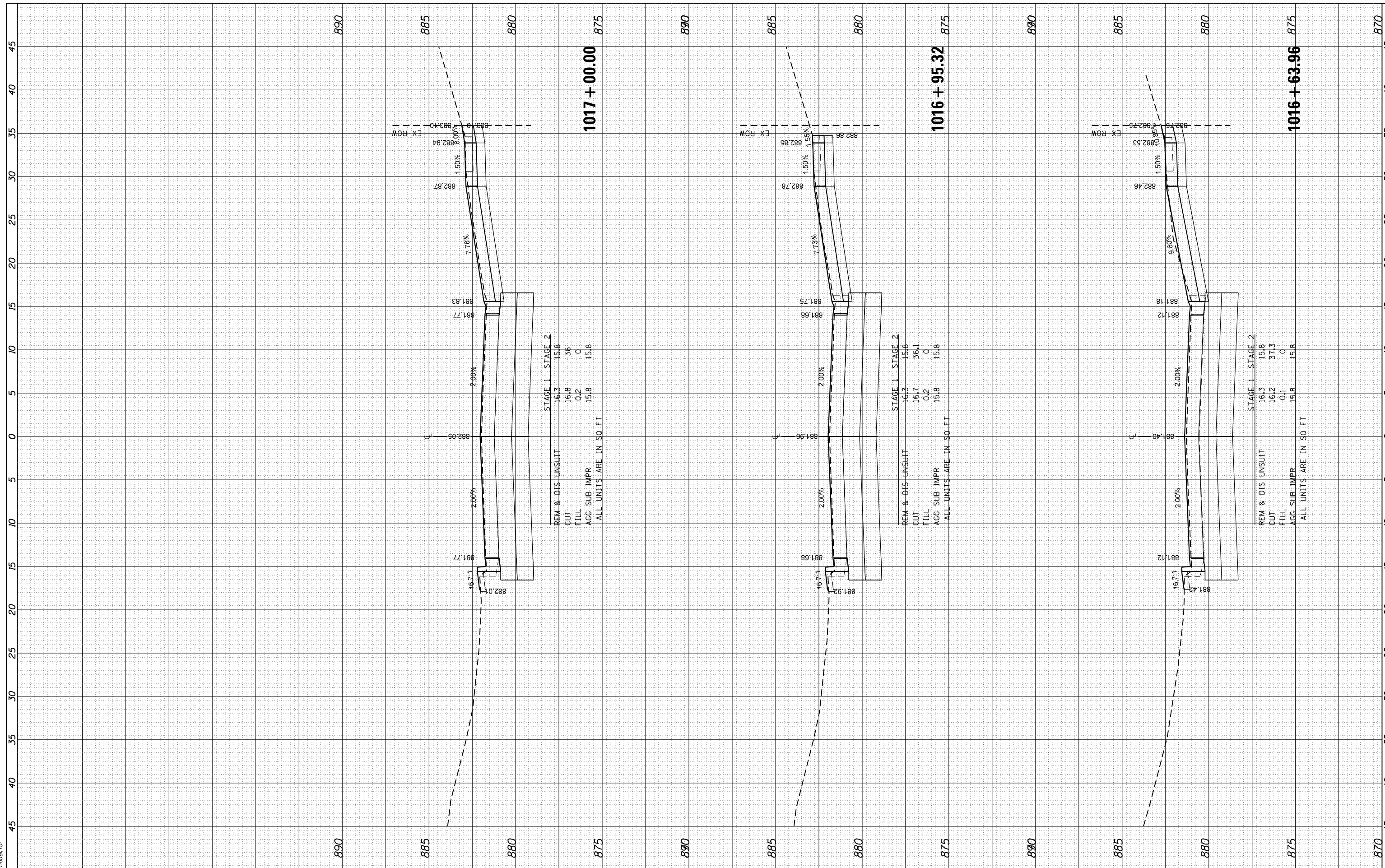
CROSS SECTIONS
 BOLZ ROAD

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	58
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_1711_160325.dwg
 PLOT DRIVER: ilcraf_bmp17c17g
 PEN TABLE: plot16tbl.tbl



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USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BOLZ ROAD**

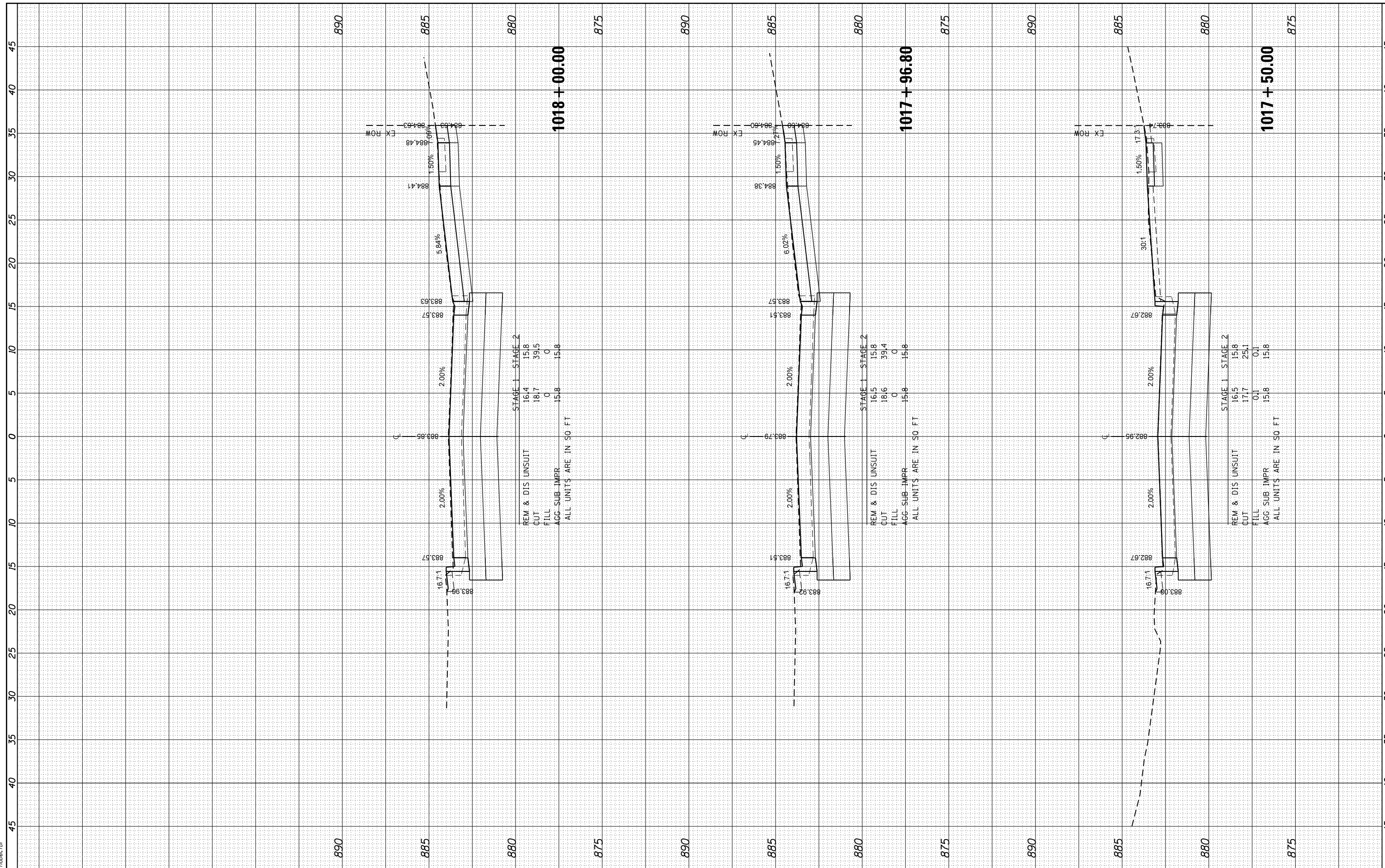
SCALE: 5H:2.5V SHEET 16 OF 24 SHEETS STA. 1016+63.96 TO STA. 1017+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	59
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		

HRG PROJECT No: 160325
 FILE NAME: 160325_17_15.dgn
 PLOT DRIVER: j_lapf_bwp16c7g
 PEN TABLE: plot16b16c7d1



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 Illinois Professional Design Firm
 #184-001322

USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BOLZ ROAD**

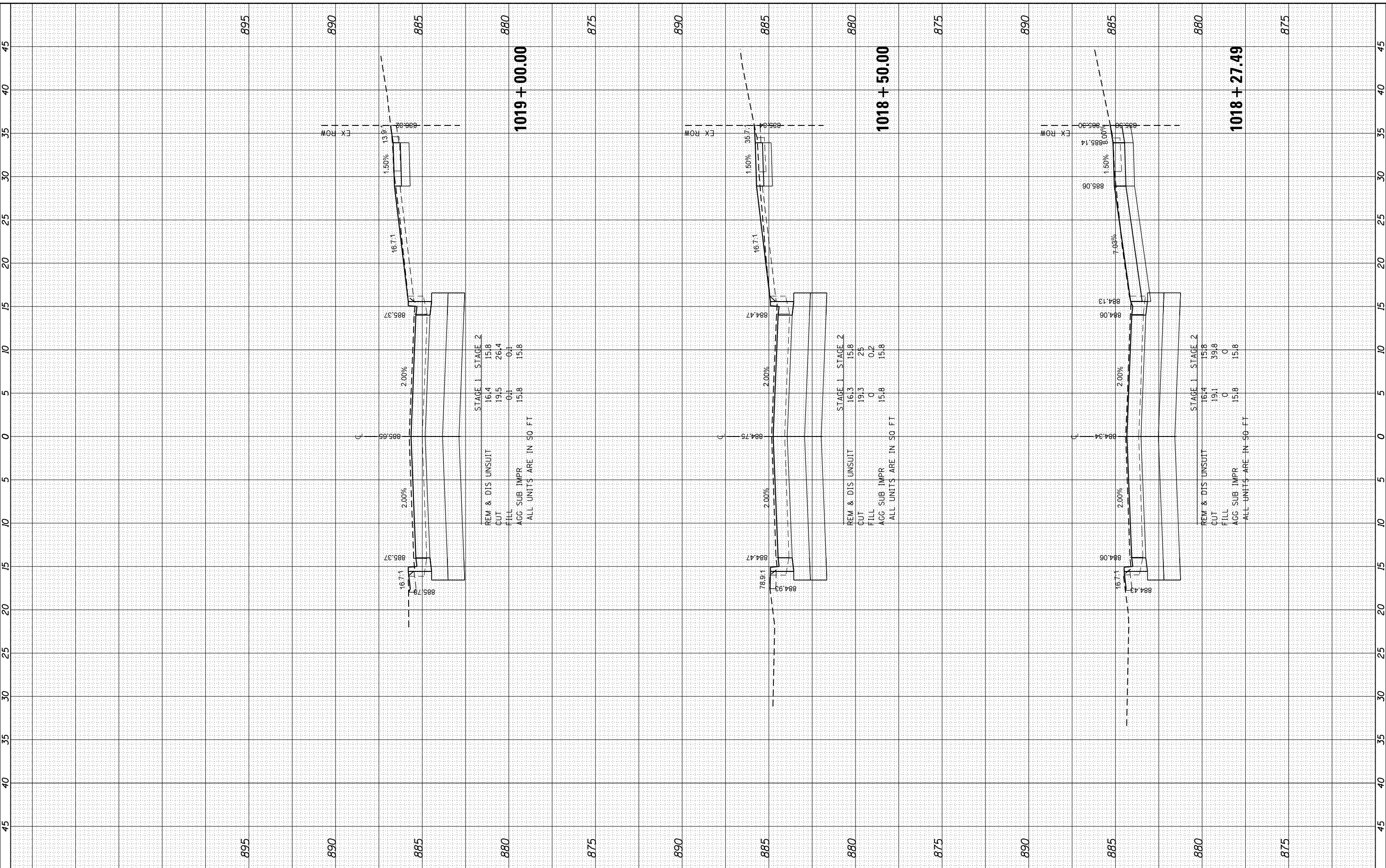
SCALE: 5H:2.5V SHEET 17 OF 24 SHEETS STA. 1017+50.00 TO STA. 1018+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	60
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_11_22.dwg
 PLOT DRIVER: J:\soft\dwgplotcrg
 PEN TABLE: plottable.tbl



STAGE 1 STAGE 2
 REM & DIS UNSUIT 16.4 15.8
 CUT 19.5 26.4
 FILL 0.1 0.1
 AGG SUB IMPR 15.8 15.8
 ALL UNITS ARE IN SQ FT

STAGE 1 STAGE 2
 REM & DIS UNSUIT 16.3 15.8
 CUT 19.3 25
 FILL 0 0.2
 AGG SUB IMPR 15.8 15.8
 ALL UNITS ARE IN SQ FT

STAGE 1 STAGE 2
 REM & DIS UNSUIT 16.4 15.8
 CUT 19.1 39.8
 FILL 0 0
 AGG SUB IMPR 15.8 15.8
 ALL UNITS ARE IN SQ FT

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USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BOLZ ROAD**

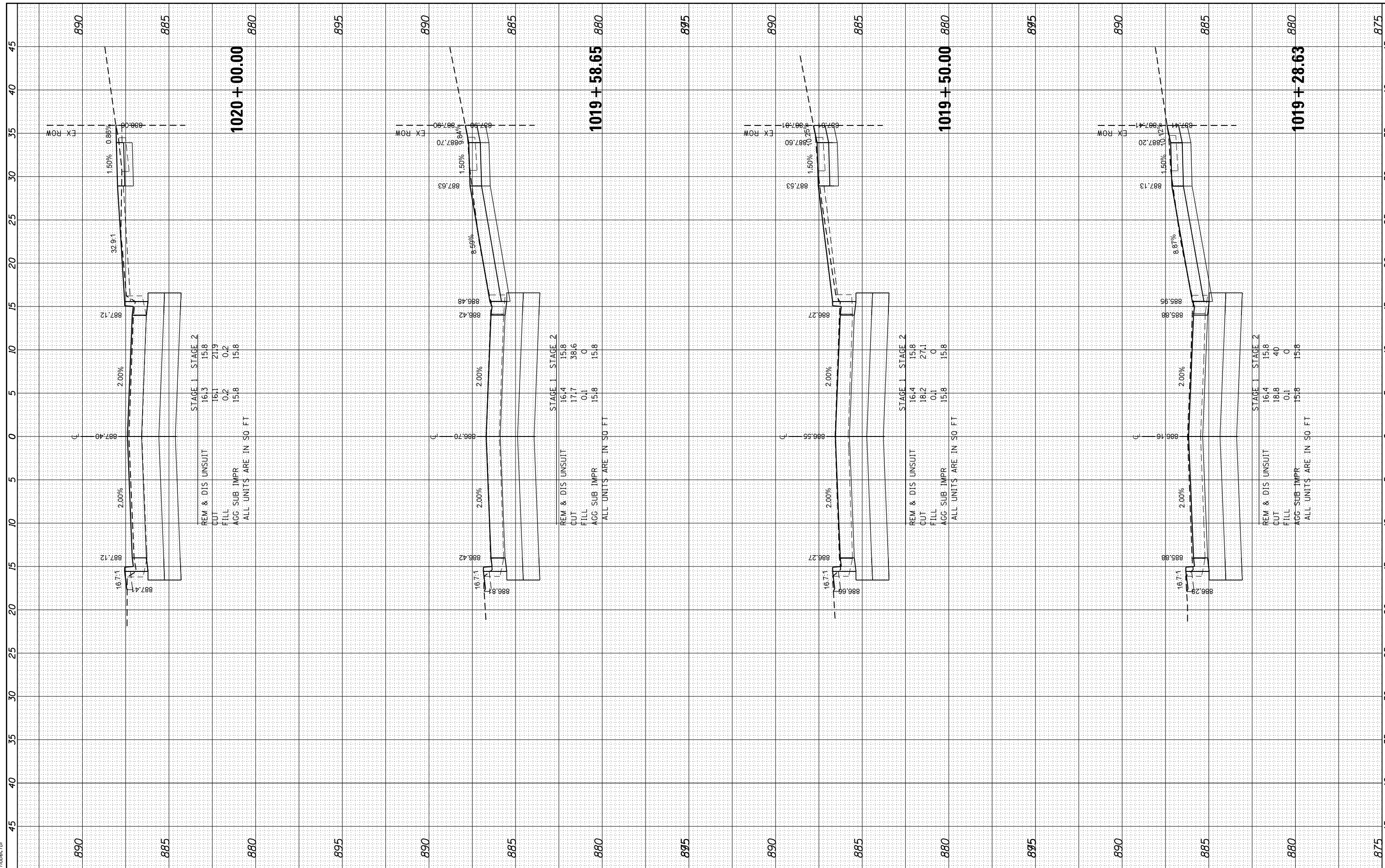
SCALE: 5H:2.5V SHEET 18 OF 24 SHEETS STA. 1018+27.49 TO STA. 1019+00.00

F.A.U R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	61
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
AREAS	CHECKED		

HRG PROJECT NO: 160325
 FILE NAME: 160325_17.dwg
 PLOT DRIVER: jpc@hrghd.com
 PEN TABLE: p10.tbl



USER NAME	- dstencz
DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-
PLOT SCALE	-
PLOT DATE	- 11/22/2020

DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-

REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
BOLZ ROAD**

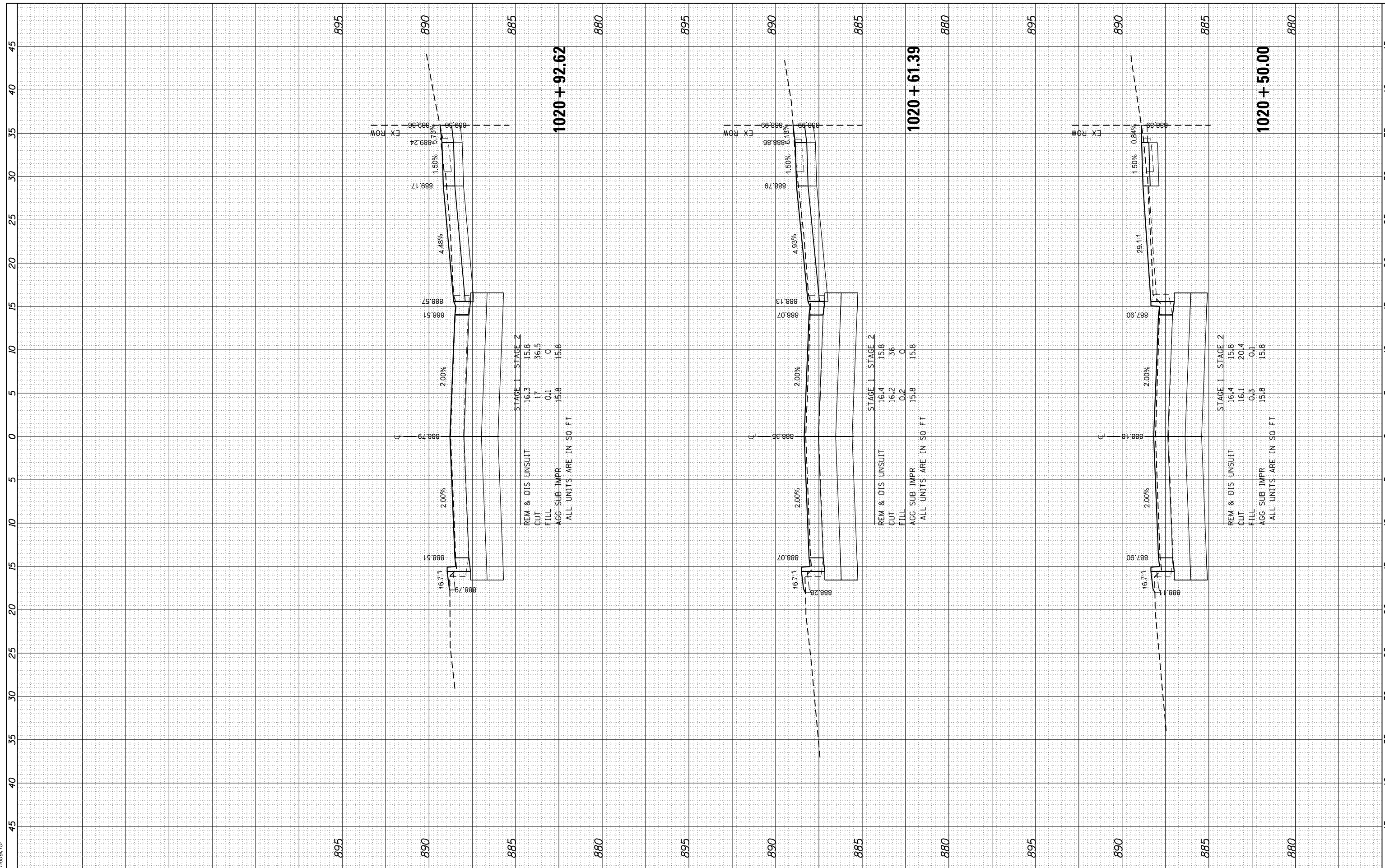
SCALE: 5H:2.5V SHEET 19 OF 24 SHEETS STA. 1019+28.63 TO STA. 1020+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	62
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_17_160325_17_160325_17_160325.dgn
 PLOT DRIVER: il_caf_bmp16c7g
 PEN TABLE: plot16tbl.tbl



USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BOLZ ROAD**

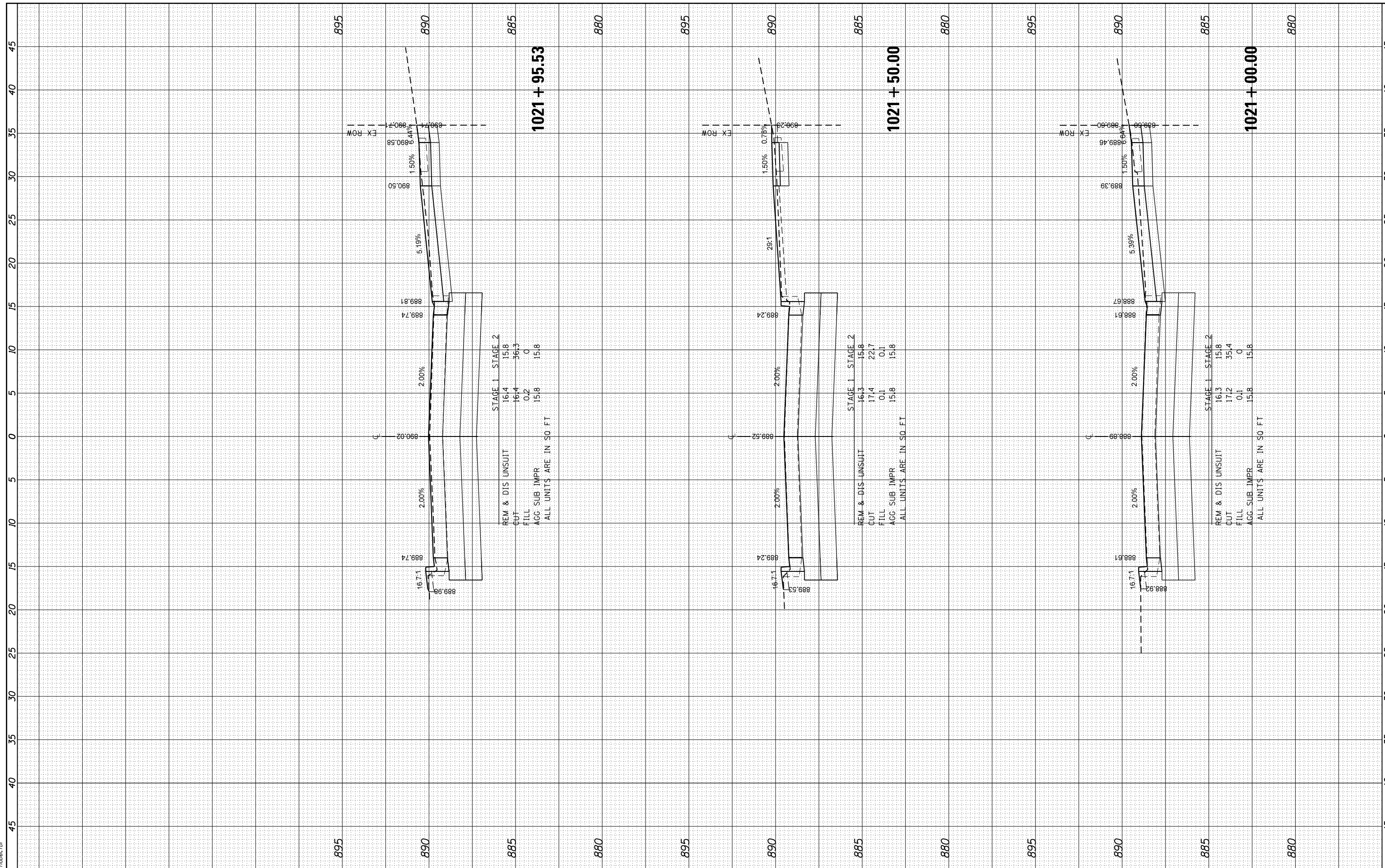
SCALE: 5H:2.5V SHEET 20 OF 24 SHEETS STA. 1020+50.00 TO STA. 1020+92.62

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	63
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO: 160325
 FILE NAME: 160325_1711.dwg
 PLOT DRIVER: j_caf_bwp17c7g
 PEN TABLE: plot.tbl



USER NAME	- dstencz	DESIGNED	- JRM	REVISED	- XX/XX/XXXX
		DRAWN	- JCH	REVISED	- XX/XX/XXXX
PLOT SCALE	-	CHECKED	- JRM	REVISED	- XX/XX/XXXX
PLOT DATE	- 11/22/2020	DATE	-	REVISED	- XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
BOLZ ROAD**

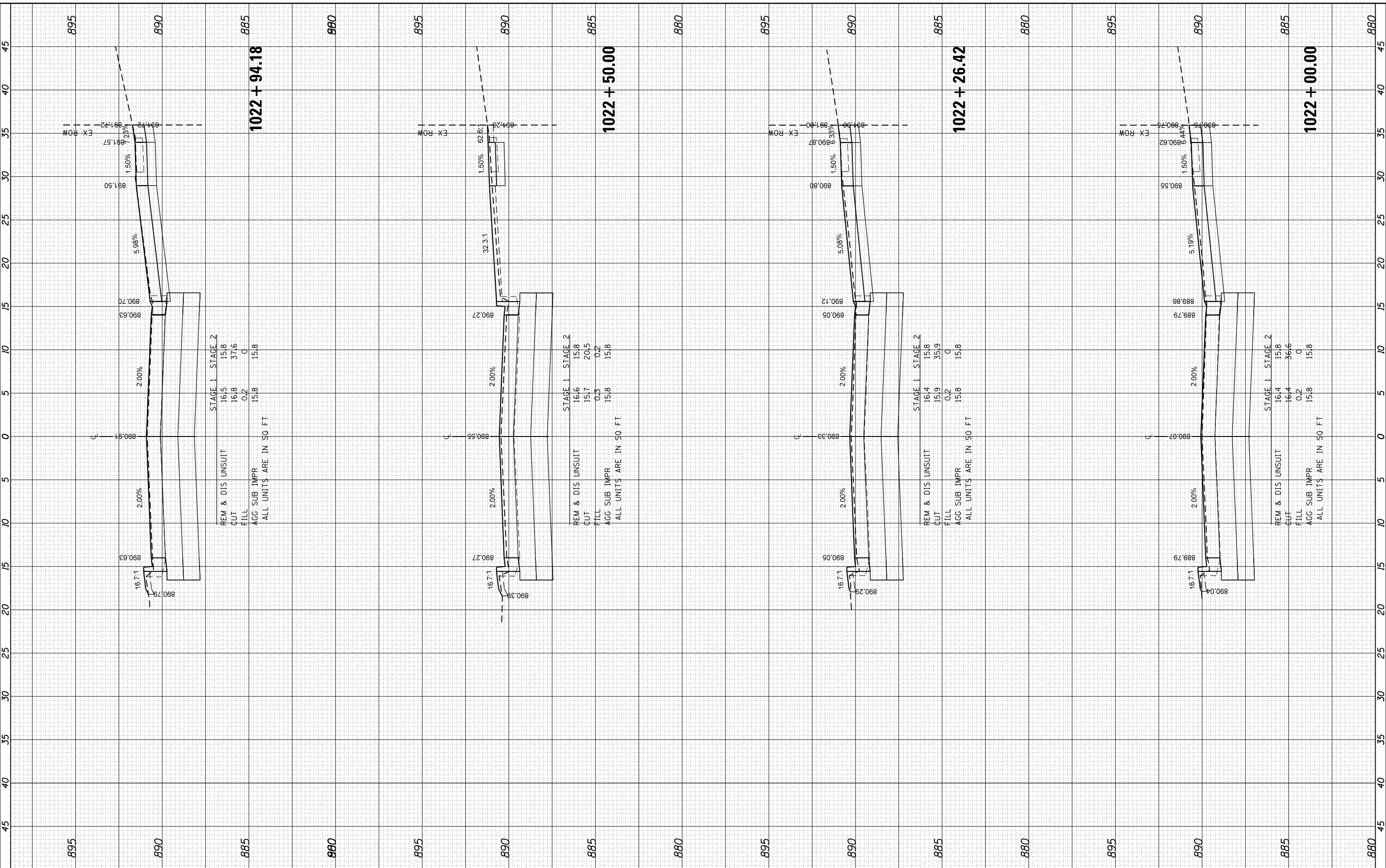
SCALE: 5H:2.5V SHEET 21 OF 24 SHEETS STA. 1021+00.00 TO STA. 1021+95.53

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	64
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_880.dwg
 PLOT DRIVER: J:\cpl\p001.tbl
 PEN TABLE: p001.tbl



1022 + 94.18

STAGE 1	16.5	15.8
STAGE 2	16.8	31.6
CUT	0.2	0
FILL	15.8	15.8

REM & DIS UNSUIT
 CUT
 FILL
 AGG SUB IMPR
 ALL UNITS ARE IN SQ FT

1022 + 50.00

STAGE 1	16.6	15.8
STAGE 2	15.7	20.5
CUT	0.3	0.2
FILL	15.8	15.8

REM & DIS UNSUIT
 CUT
 FILL
 AGG SUB IMPR
 ALL UNITS ARE IN SQ FT

1022 + 26.42

STAGE 1	16.4	15.8
STAGE 2	15.9	35.9
CUT	0.2	0
FILL	15.8	15.8

REM & DIS UNSUIT
 CUT
 FILL
 AGG SUB IMPR
 ALL UNITS ARE IN SQ FT

1022 + 00.00

STAGE 1	16.4	15.8
STAGE 2	16.4	34.6
CUT	0.2	0
FILL	15.8	15.8

REM & DIS UNSUIT
 CUT
 FILL
 AGG SUB IMPR
 ALL UNITS ARE IN SQ FT



USER NAME	- dstencz
DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-
PLOT SCALE	-
PLOT DATE	- 11/22/2020

DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-

REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX
REVISED	- XX/XX/XXXX

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 BOLZ ROAD

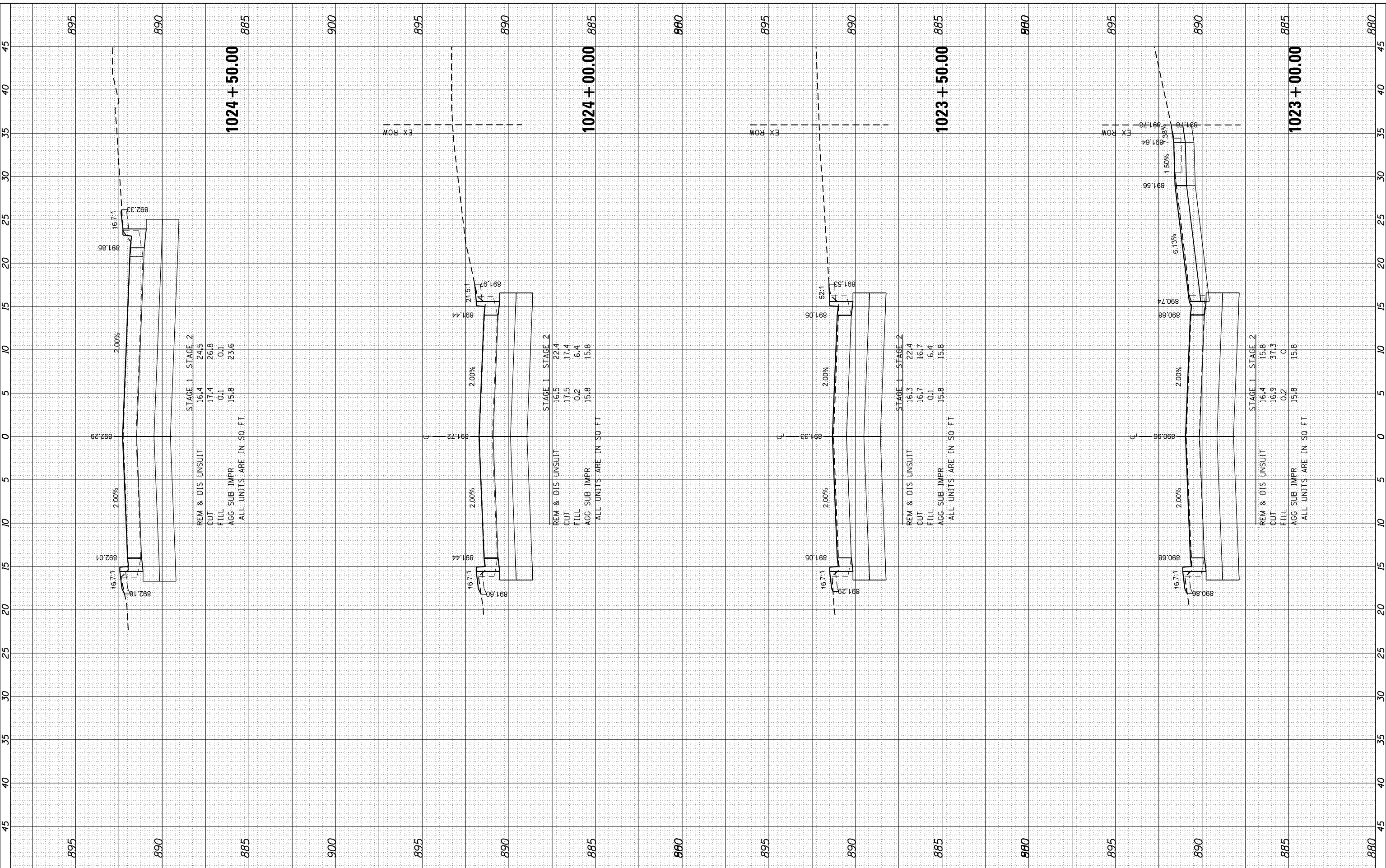
SCALE: 5H:2.5V SHEET 22 OF 24 SHEETS STA. 1022+00.00 TO STA. 1022+94.18

F.A.U R.T.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	65
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED
NO.	PLOTTED
	TEMPLATE
	AREAS
	CHECKED

ORIGINAL SURVEY NO.	SURVEYED
NO.	PLOTTED
	TEMPLATE
	AREAS
	CHECKED

HRG PROJECT NO: 160325
 FILE NAME: 160325_1714.dwg
 PLOT DRIVER: il_caf_bwp17c1g
 PEN TABLE: plot.tbl



USER NAME	- dstencz
DESIGNED	- JRM
DRAWN	- JCH
CHECKED	- JRM
DATE	-

REVISION	- XX/XX/XXXX
REVISION	- XX/XX/XXXX
REVISION	- XX/XX/XXXX
REVISION	- XX/XX/XXXX

STAGE 1	16.4	24.5
STAGE 2	17.4	26.8
CUT	0.1	0.1
FILL	15.8	23.6
AGG. SUB. IMPR.	15.8	23.6

STAGE 1	16.5	22.4
STAGE 2	17.5	17.4
CUT	0.2	6.4
FILL	15.8	15.8
AGG. SUB. IMPR.	15.8	15.8

STAGE 1	16.3	22.4
STAGE 2	16.7	16.7
CUT	0.1	6.4
FILL	15.8	15.8
AGG. SUB. IMPR.	15.8	15.8

STAGE 1	16.4	15.8
STAGE 2	16.9	31.3
CUT	0.2	0
FILL	15.8	15.8
AGG. SUB. IMPR.	15.8	15.8

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 BOLZ ROAD

SCALE: 5H:2.5V SHEET 23 OF 24 SHEETS STA. 1023+00.00 TO STA. 1024+50.00

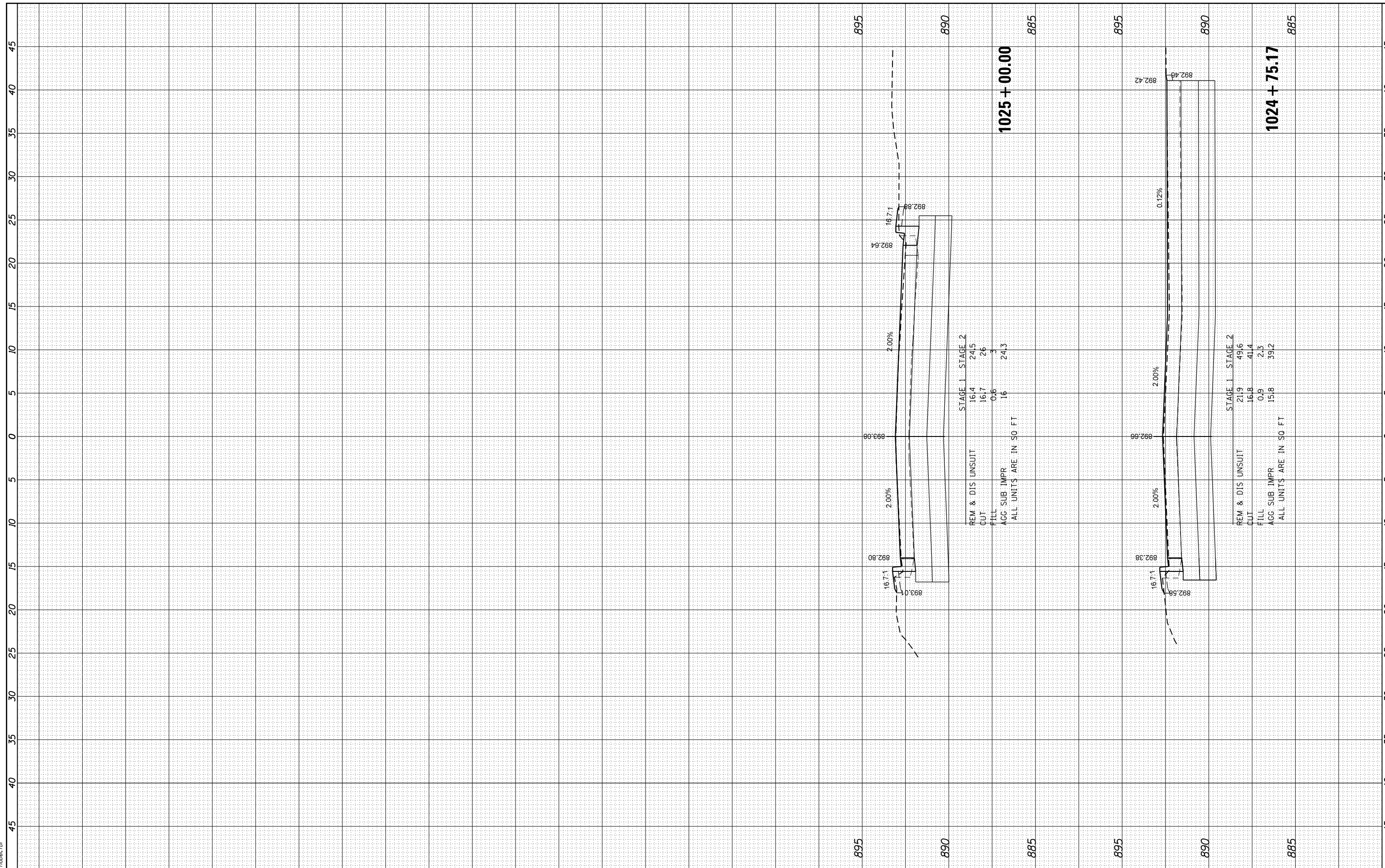
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	66
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

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

HRG PROJECT No: 160325
 FILE NAME: 160325_17_1024+75.17.dwg
 PLOT DRIVER: j:\cpl\dwgplotcrg
 PEN TABLE: plottable.tbl



USER NAME - dstencz	DESIGNED - JRM	REVISED - XX/XX/XXXX
	DRAWN - JCH	REVISED - XX/XX/XXXX
PLOT SCALE -	CHECKED - JRM	REVISED - XX/XX/XXXX
PLOT DATE - 11/22/2020	DATE -	REVISED - XX/XX/XXXX

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS BOLZ ROAD	
SCALE: 5H:2.5V	SHEET 24 OF 24 SHEETS
STA. 1024+75.17 TO STA. 1025+00.00	

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
2298	17-00091-00-FP	KANE	67	67
CONTRACT NO. 61G83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				