

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

FOR INDEX OF SHEETS, SEE SHEET 2

04-27-2018 LETTING ITEM 137

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	1
		ILLINOIS	CONTRACT NO. 63858	

PROJECT LOCATED IN UNINCORPORATED GILBERTS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 4066 (HUNTLEY ROAD) (COUNTY HIGHWAY 30)
AT GALLIGAN ROAD (COUNTY HIGHWAY 6)
INTERSECTION IMPROVEMENTS
SECTION 08-00112-00-CH
PROJECT NUMBER: 6CDC(016)
KANE COUNTY

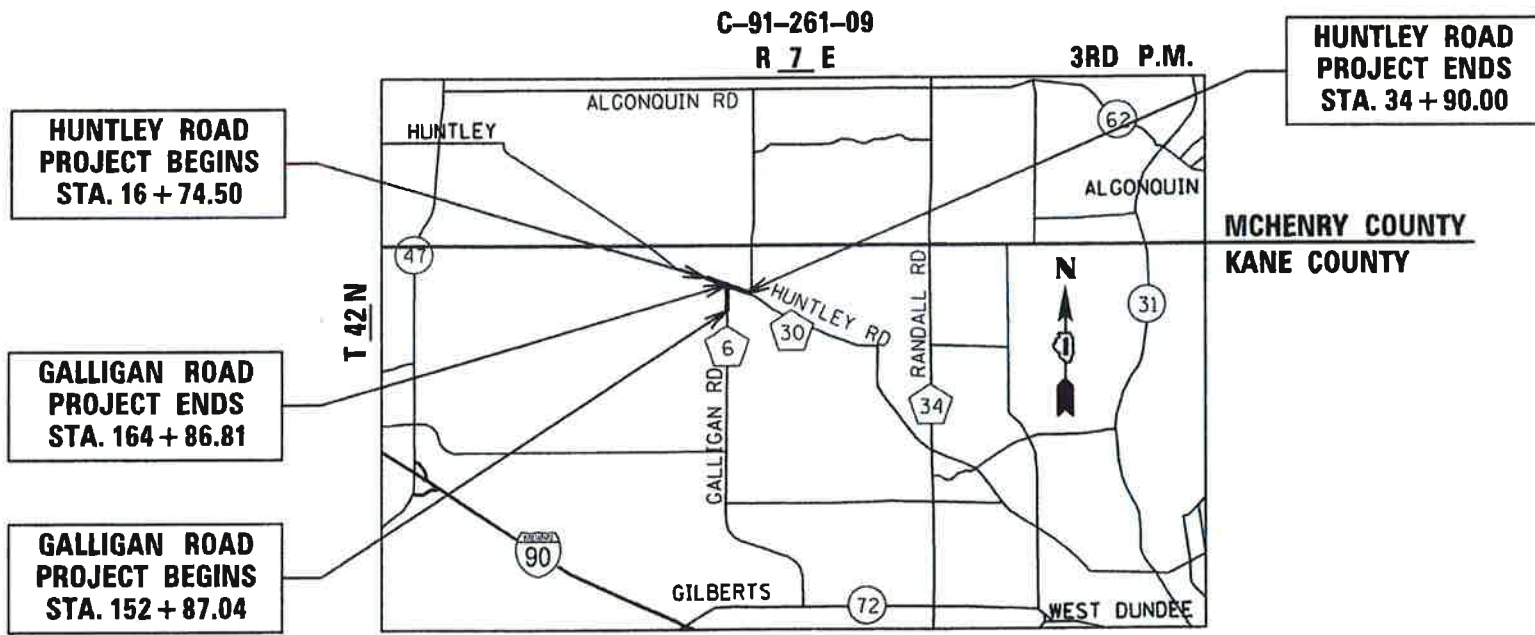
DESIGN DESIGNATION

HUNTLEY ROAD: MINOR ARTERIAL
POSTED SPEED: 50 MPH
DESIGN SPEED: 50 MPH
ADT EXISTING: 16,600 (2017)
ADT PROPOSED: 22,800 (2040)

STRUCTURAL DESIGN TRAFFIC
PV = 96%
SU = 3%
MU = 1%

GALLIGAN ROAD: MINOR ARTERIAL
POSTED SPEED: 50 MPH
DESIGN SPEED: 50 MPH
ADT EXISTING: 8,200 (2017)
ADT PROPOSED: 15,100 (2040)

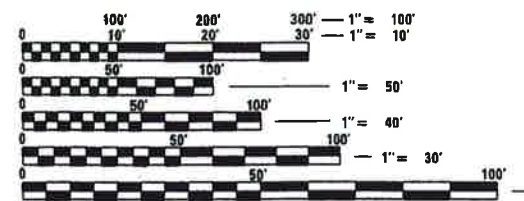
STRUCTURAL DESIGN TRAFFIC
PV = 96%
SU = 3%
MU = 1%



RUTLAND TOWNSHIP
T42N R07E
SECTIONS 1 AND 2
GROSS AND NET LENGTH OF PROJECT:
HUNTLEY ROAD = 1,815.50'
GALLIGAN ROAD = 1,199.77'
TOTAL LENGTH = 3,015.27 (0.57 MILES)



LOCATION OF SECTION INDICATED THIS: -



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

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

PROJECT ENGINEER JEFFERY M. SEDIG, P.E.
PROJECT MANAGER KELLY D. FARLEY, P.E.

CONTRACT NO. 63858



Jeffery M. Sedig

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED JANUARY 12 20 18
[Signature]
COUNTY OF KANE COUNTY ENGINEER

PASSED FEBRUARY 1 20 18
[Signature]
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW FEBRUARY 3 20 18
[Signature]
REGIONAL ENGINEER

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INDEX OF SHEETS

1	COVER TITLE SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND COMMITMENTS
3	GENERAL NOTES
4 - 9	SUMMARY OF QUANTITIES
10	EARTHWORK SUMMARY
11	EXISTING TYPICAL SECTIONS
12-13	PROPOSED TYPICAL SECTIONS
14	ALIGNMENTS, TIES, AND BENCHMARKS
15-17	REMOVAL PLAN
18 - 23	ROADWAY PLAN & PROFILE / DRAINAGE PLAN & PROFILE
24	INTERSECTION GRADING PLAN
25 - 32	MAINTENANCE OF TRAFFIC PLAN
33 - 34	STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NOTES
35 - 36	STORMWATER POLLUTION PREVENTION PLAN (SWPPP) DETAILS
37 - 39	EROSION CONTROL, LANDSCAPING AND SEEDING PLAN
40 - 44	PAVEMENT MARKING AND SIGNING
45 - 50	TRAFFIC SIGNAL PLAN
51 - 52	LIGHTING PLAN
53 - 72	I.D.O.T. (DISTRICT 1) STANDARD DETAILS
73 - 84	CROSS SECTIONS - HUNTLEY ROAD
85 - 93	CROSS SECTIONS - GALLIGAN ROAD

I.D.O.T. HIGHWAY STANDARD DRAWINGS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD, STRIPS/SHLDS, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84" DIA.
542011-02	CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" THRU 84" EQUIVALENT DIAMETER
542311-07	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTIONS
542411	SLOPED METAL END SECTIONS FOR PIPE CULVERTS 15" THRU 60"
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602401-04	PRECAST MANHOLE TYPE A 4' DIAMETER
602601-05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-04	FRAMES AND LIDS TYPE 1
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-08	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
666001-01	RIGHT OF WAY MARKERS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701901-07	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRIC SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877006-06	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
877011-09	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
B.L.R. 24-2	MAILBOX TURNOUTS FOR LOCAL ROADS

I.D.O.T. (DISTRICT 1) DETAIL DRAWINGS

BD22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD32	BUTT JOINTS AND HMA TAPER
BD51	BENCHING CONSTRUCTION DETAIL
BE220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE230	COMBINATION LIGHTING & TRAFFIC POLE MOUNTED ELECTRIC SERVICE BOX DETAIL
BE235	COMBINATION LIGHTING CONTROLLER
BE240	COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC
BE702	MISC. ELECTRICAL DETAILS SHEET A
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC22	ARTERIAL ROAD INFORMATION SIGN
TS05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS

FILE NAME = I:\XANED\12296-01\Drawn\CD\00_Sheets\Index_Standards_commitments.dgn

 <small>License No. 184-00613 © Copyright CMT, Inc.</small>	USER NAME = Mike Moes	DESIGNED - JMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HUNTLEY RD AT GALLIGAN ROAD INDEX OF SHEETS, HIGHWAY STANDARDS AND COMMITMENTS		F.A.U. RTE. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 2
	PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. -	TO STA. -	CONTRACT NO. 63858		
	PLOT DATE = 3/9/2018	DATE - 02/14/2018	REVISED -				<small>ILLINOIS FED. AID PROJECT</small>				

GENERAL NOTES

- ALL REFERENCES TO STATE SPECIFICATIONS OR STANDARD AND SUPPLEMENTAL SPECIFICATIONS BELOW REFER TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, DATED APRIL 1, 2016, AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, DATED JANUARY 1, 2018.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE KANE COUNTY D.O.T.

NICOR:	BRUCE KOPPANG	630.388.3046 (cell 708.243.5136)
COMMONWEALTH EDISON:	ADAM SADKOWSKI	630.985.4043 (cell 815.263.3123)
AT&T:	HECTOR GARCIA	630.573.5465 (cell 630.639.8372)
VILLAGE OF GILBERTS	PUBLIC WORKS DEPT.	847.428.4167
MIDWEST FIBER NETWORKS	RICHARD TRGOVEC	414.672.5612 (cell 414.349.2979)
- THE CONTRACTOR WILL NOT BE ALLOWED TO SETUP A YARD OR FIELD OFFICE ON PRIVATE, CITY OR COUNTY PROPERTY WITHOUT WRITTEN PERMISSION FROM SAID OWNER AND THE ENGINEER.
- ALL RADII ARE MEASURED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- WHERE SECTION, SUBSECTION, SUBDIVISION, OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE RESIDENT ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL UNDERGROUND UTILITY FACILITIES SHOWN ON THE PLANS ARE LOCATED AT THEIR APPROXIMATE LOCATION. IT IS BELIEVED THAT THIS DATA IS ESSENTIALLY CORRECT, BUT THE COUNTY AND OTHER AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. IN ACCORDANCE WITH ARTICLE 105.07 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY WHEN THE POTENTIAL EXISTS FOR INVOLVEMENT AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. FOR REGULATED UTILITY LOCATIONS, THE CONTRACTOR SHALL CONTACT THE JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS, "J.U.L.I.E." AT 1-800-892-0123. (48 HOUR NOTIFICATION IS REQUIRED) THE CONTRACTOR SHOULD CONTACT LOCAL GOVERNMENT AGENCIES FOR THE LOCATION OF ALL NON-REGULATED UTILITY LOCATIONS. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- UTILITY ADJUSTMENTS FOR PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE MADE BY THE RESPECTIVE OWNERS.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- THE RESIDENT ENGINEER WILL ONLY ACCEPT FIELD QUANTITY VERIFICATION FOR ALL EARTHWORK ITEMS BASED UPON THE CROSS SECTIONS SUPPLIED ON THE PLANS. THE ONLY METHOD OF CALCULATING THE VOLUME OF QUANTITIES SHALL BE AVERAGE END AREA BASED UPON THE CROSS SECTIONS SUPPLIED. NO ADJUSTMENTS TO THE QUANTITIES WILL BE MADE BY THE USE OF ANY OTHER CALCULATION METHOD. NO COMPUTER PROGRAMS WILL BE ACCEPTED FOR THE QUANTITY MEASUREMENT. THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING (PRIOR TO ANY WORK AT THE SITE AS TO ANY DISCREPANCY FOUND WITH THE EXISTING TOPOGRAPHY OR CROSS SECTIONS).
- THE CONTRACTOR SHALL ENSURE THE TEMPORARY EROSION CONTROL MEASURES ARE IN PLACE IN THE CURRENT WORK AREA BEFORE MOVING TO A DIFFERENT WORK LOCATION AS SPECIFIED HEREIN AND AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL COMPLY WITH ALL THE PROVISIONS OF THE IDNR-OWR, ACOE KDSWCD, KANE COUNTY STORM WATER, NPDES AND ALL OTHER PERMITS REQUIRED.
- THE CONTRACTORS WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION.
- ALL EXISTING GRASS AREAS DISTURBED BY THE CONSTRUCTION OPERATIONS SHALL BE SEEDED OR SODDED AS DIRECTED BY THE RESIDENT ENGINEER.

- ALL DISTURBED AREAS RESULTING FROM TOPSOIL STRIPPING, EARTH EXCAVATION AND ALL OTHER CONSTRUCTION OPERATIONS THAT ARE LEFT DISTURBED FOR A PERIOD OF TIME THAT IS GREATER THAN SEVEN (7) DAYS SHALL BE PROTECTED FROM EROSION BY BEING CONSTRUCTED TO THE PROPOSED GRADE AND COMPLETED CONDITION INCLUDING ALL SEEDING, FERTILIZER AND EROSION BLANKET IN ACCORDANCE WITH THE PLANS AND CONTRACT DOCUMENTS.
- TEMPORARY EASEMENT AREAS, EXCEPT WHERE NOTED OTHERWISE, SHALL BE FULLY RESTORED BY THE CONTRACTOR AS INDICATED ON THE PLANS AND AS DIRECTED BY THE RESIDENT ENGINEER.
- AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL, AND AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL FURNISH AND ERECT RIGHT OF WAY MARKERS AT ALL PROPOSED RIGHT OF WAY LOCATIONS AS DETERMINED BY THE RESIDENT ENGINEER.
- NO TRAFFIC CONTROL SIGNS SHALL BE MOUNTED ON EXISTING SIGNS.
- ALL MAILBOXES SHALL BE MAINTAINED IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
- ALL EXCAVATED AND EMBANKMENT LOCATIONS REQUIRING SEEDING OR SOD SHALL BE CONSTRUCTED TO 6" INCHES BELOW FINISHED GRADE LINE TO ALLOW FOR TOPSOIL PLACEMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE NATURE AND STATUS OF ALL UTILITY RELOCATION WORK PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT INTERFERE WITH UTILITY FACILITIES AND RELOCATION WORK. THE CONTRACTOR'S SCHEDULE SHOULD REFLECT CONSTRUCTION SEQUENCING WHICH COORDINATES WITH ALL UTILITY RELOCATION WORK. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST THE SEQUENCE SCHEDULE OF WORK TO COORDINATE WITH THE RELOCATION SCHEDULE OF CONFLICTING UTILITY COMPANIES.

REMOVAL NOTES

- FRAME AND LID ADJUSTMENTS FOR PUBLIC UTILITIES WITHIN THE PROJECT LIMITS WILL BE DONE BY THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED.

DRAINAGE NOTES

- ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER TILE FACILITY ENCOUNTERED DURING THE PROPOSED WORK SHALL BE LOCATED, STAKED AND REPORTED TO THE RESIDENT ENGINEER. DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATING OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT. IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED STORM SEWER SYSTEM OR DITCH IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED. THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.
- ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LIDS OF ONE OF THE FOLLOWING: ALL LIDS TO BE USED ON STORM SEWER SHALL BEAR THE WORD "STORM", ALL LIDS TO BE USED ON SANITARY SEWER SHALL BEAR THE WORD "SANITARY", ALL LIDS TO BE USED ON THE WATER SYSTEM SHALL BEAR THE WORD "WATER". THIS SHALL BE CONSIDERED INCIDENTAL TO THE FRAME AND CLOSED LID PROVIDED.
- INVERT ELEVATIONS AND STATION-OFFSET CALLOUTS OF PIPE CULVERTS ARE TAKEN AT THE OUTLET ENDS OF THE CONCRETE END SECTIONS. OTHER STORM SEWER STRUCTURES STATION-OFFSET CALLOUTS ARE TAKEN AT THE CENTER OF THE PROPOSED STRUCTURE.
- PROPOSED CULVERTS CROSSING BENEATH EXISTING PAVEMENT TO REMAIN SHALL BE BACKFILLED WITH CONTROLLED LOW STRENGTH MATERIAL FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT UP TO THE SUBGRADE ELEVATION. THE REMAINING TRENCH SHALL BE BACKFILLED WITH APPROVED TRENCH BACKFILL MATERIAL TO A POINT 2 FEET OUTSIDE OF THE PROPOSED SHOULDER.

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PLOT DATE = 2/13/2018	DATE - 02/14/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	3
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NUMBER	ITEM	UNIT	FUNDING	STU	CMAQ-STA	ROADWAY IMPROV. (0004)	SAFETY IMPROV. (0021)	TRAINEES (0042)
					FED/LOCAL	75% / 25%	80% / 20%			
	•	20200100	EARTH EXCAVATION	CU YD				4321	4321	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD				1523	1523	
		20800150	TRENCH BACKFILL	CU YD				57	57	
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD				1413	1413	
	•	25000210	SEEDING, CLASS 2A	ACRE				1.7	1.7	
	•	25000400	NITROGEN FERTILIZER NUTRIENT	POUND				151	151	
	•	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND				151	151	
	•	25100630	EROSION CONTROL BLANKET	SO YD				8106	8106	
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND				170	170	
		28000305	TEMPORARY DITCH CHECKS	FOOT				231	231	
		28000400	PERIMETER EROSION BARRIER	FOOT				5762	5762	
		28000500	INLET AND PIPE PROTECTION	EACH				7	7	
		28100105	STONE RIPRAP, CLASS A3	SO YD				72	72	
		28200200	FILTER FABRIC	SO YD				883	883	
	•	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD				1231	1231	
	•	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD				6358	6358	
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD				2840	2840	
		35102200	AGGREGATE BASE COURSE, TYPE B 10"	SO YD				209	209	
		35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SO YD				80	80	
		35400450	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9 1/2"	SO YD				199	199	
	•	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND				20000	20000	
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON				3	3	
		40600635	LEVELING BINDER (MACHINE METHOD), N70	TON				282	282	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD				44	44	

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PLOT DATE = 2/13/2018	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET NO. 1 OF 6 SHEETS	STA.	TO STA.

F.A.U. RTE. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 4
CONTRACT NO. 63858				
[ILLINOIS] FED. AID PROJECT				

FILE NAME = L:\KANECD\12296-9\1\Dr\CD\CD_Sheets\500_02.dgn

SPECIALTY ITEM	SPECIAL PROVISION	CODE NUMBER	ITEM	UNIT	FUNDING	STU	CMAD-STA	TRAINEES (0042)	
					FED/LOCAL	75% / 25%	80% / 20%		
					TOTAL QUANTITY	ROADWAY IMPROV. (0004)	SAFETY IMPROV. (0021)		
		40600990	TEMPORARY RAMP	SO YD	44	44			
		40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	4087	4087			
		40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1839	1839			
		42001300	PROTECTIVE COAT	SO YD	172	172			
		44000100	PAVEMENT REMOVAL	SO YD	1262	1262			
		44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SO YD	8433	8433			
		44201741	CLASS D PATCHES, TYPE II, 8 INCH	SO YD	78	78			
		44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4805	4805			
		48101600	AGGREGATE SHOULDERS, TYPE B 8"	SO YD	2158	2158			
		50105220	PIPE CULVERT REMOVAL	FOOT	263	263			
	*	54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	108	108			
	*	54260618	SLOPED METAL END SECTION WITH GRATE, STANDARD 542411, 18", 1:4	EACH	2	2			
	*	54261318	CONCRETE END SECTION, STANDARD 542001, 18", 1:3	EACH	2	2			
	*	54261418	CONCRETE END SECTION, STANDARD 542001, 18", 1:4	EACH	6	6			
	*	54261424	CONCRETE END SECTION, STANDARD 542001, 24", 1:4	EACH	2	2			
	*	54263318	CONCRETE END SECTION, STANDARD 542011, 18", 1:3	EACH	1	1			
	*	54263418	CONCRETE END SECTION, STANDARD 542011, 18", 1:4	EACH	1	1			
		542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	186	186			
		542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	128	128			
		542A8203	PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 18"	FOOT	95	95			
		542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	24	24			
		59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	44	44			
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	8	8			
		60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	126	126			
	*	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	4449	4449			
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
		60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	14	14			
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	280	280			
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	36	36			
		60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	566	566			



USER NAME = Mike Moes
 DESIGNED - JMS
 DRAWN - JMS
 CHECKED - KDF
 DATE - 02/14/2018
 PLOT SCALE = 1.0000" / in.
 PLOT DATE = 3/9/2018

REVISIONS
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63858	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NUMBER	ITEM	UNIT	FUNDING	STU	CMAQ-STA	TRAINEES (0042)
					FED/LOCAL	75% / 25%	80% / 20%	
					TOTAL QUANTITY	ROADWAY IMPROV. (0004)	SAFETY IMPROV. (0021)	
*		6300001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	284		284	
*		6310045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1		1	
*		63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1		1	
*		66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	27	27		
*		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	664	664		
*		66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1		
*		66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6		
		67100100	MOBILIZATION	L SUM	1	1		
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	3600	3600		
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1200	1200		
		70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	109	109		
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	31225	31225		
		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	497	497		
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	44	44		
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	2312	2312		
		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1443	1443		
		70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	12	12		
		70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4		
*		72000100	SIGN PANEL - TYPE 1	SO FT	144		144	
*		72000200	SIGN PANEL - TYPE 2	SO FT	97		97	
*		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	6	6		
*		72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	5	5		
*		72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1		
*		72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2		2	
*		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	328		328	
*		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	16620		16620	
*		78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	776		776	
*		78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1589		1589	

FILE NAME = L:\VANCE\CD\2296-01\00-00-0000\Sheriff\S00_03.dgn



USER NAME = Mike Moes
 PLOT SCALE = 1:8000' / in.
 PLOT DATE = 2/13/2018

DESIGNED - JMS
 DRAWN - JMS
 CHECKED - KDF
 DATE - 02/14/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	6
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NUMBER	ITEM	UNIT	FUNDING	STJ	CMAQ-STA	TRAINEES (0042)
					FED/LOCAL	75% / 25%	80% / 20%	
					TOTAL QUANTITY	ROADWAY IMPROV. (0004)	SAFETY IMPROV. (0021)	
*		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	663		663	
*		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	97		97	
*		78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4		4	
*		78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	185	185		
*		80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1	
*	*	80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1	
*	*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	620		620	
*	*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	106		106	
*	*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1606		1606	
*		81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	225		225	
*		81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	430		430	
*	*	81400100	HANDHOLE	EACH	9		9	
*	*	81400200	HEAVY-DUTY HANDHOLE	EACH	4		4	
*	*	81400300	DOUBLE HANDHOLE	EACH	1		1	
*		81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1565		1565	
*	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1	
*	*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1364		1364	
*	*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	693		693	
*	*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1823		1823	
*	*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1996		1996	
*	*	87301295	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	693		693	
*	*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2078		2078	
*	*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	44		44	
*	*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	637		637	
*	*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1		1	

FILE NAME = I:\KANE\COV12296-01\Drawings\COV12296-01.dwg



USER NAME = Mike Moss
 PLOT SCALE = 1:8000' / in.
 PLOT DATE = 2/13/2018

DESIGNED - JMS
 DRAWN - JMS
 CHECKED - KDF
 DATE - 02/14/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	7
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NUMBER	ITEM	UNIT	FUNDING	STU	CMAQ-STA	TRAINEES (0042)	
					FED/LOCAL	75% / 25%	80% / 20%		
					TOTAL QUANTITY	ROADWAY IMPROV. (0004)	SAFETY IMPROV. (0021)		
*	*	87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1		1		
*	*	87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1		1		
*	*	87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1		1		
*	*	87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1		1		
*	*	87704519	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. & 36 FT.	EACH	1		1		
*	*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4		4		
*	*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
*	*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20		20		
*	*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	38		38		
*	*	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1		
*	*	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4		4		
*	*	88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5		5		
*	*	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1		
*	*	88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1		
*	*	88040320	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-4-SECTION, 2-5-SECTION, BRACKET MOUNTED	EACH	1		1		
*	*	88200310	TRAFFIC SIGNAL BACKPLATE, LOUVERED, PLASTIC	EACH	16		16		
*	*	88500100	INDUCTIVE LOOP DETECTOR	EACH	7		7		
*	*	88600100	DETECTOR LOOP, TYPE I	FOOT	555		555		
*	*	88700200	LIGHT DETECTOR	EACH	2		2		
*	*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1		
*	*	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	6	6			
*	*	X0326441	STONE BEDDING MATERIAL	TON	37	37			
*	*	X0326981	ENGINEERED SOIL FURNISH AND PLACE (SPECIAL)	CU YD	199	199			
*	*	X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	255	255			
*	*	X1400101	NETWORK CONFIGURATION	LSUM	1		1		
*	*	X1400149	LUMINAIRE, LED, HORIZONTAL MOUNT, TYPE C	EACH	4		4		
*	*	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	50	50			

FILE NAME = L:\KANECD\12296-01\Drawings\CD00_Sheets\SDO_08.dgn



USER NAME = Mike Moos
 PLOT SCALE = 1/8" = 1' / in.
 PLOT DATE = 2/13/2018

DESIGNED - JMS
 DRAWN - JMS
 CHECKED - KDF
 DATE - 02/14/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	8
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NUMBER	ITEM	UNIT	FUNDING	STU	CMAO-STA	TOTAL QUANTITY	ROADWAY IMPROV.	SAFETY IMPROV.	TRAINEES (0042)
					FED/LOCAL	75% / 25%	80% / 20%		(0004)	(0021)	
	*	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH				5	5		
	*	X6660410	REMOVE RIGHT-OF-WAY MARKERS	EACH				2	2		
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM				1	1		
	*	X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY				495	495		
	*	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT				2797	2797		
	*	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH				853	853		
	*	X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT				183		183	
	*	X7810300	RECESSED REFLECTIVE PAVMENT MARKER	EACH				177		177	
	*	X8250091	COMBINATION LIGHTING CONTROLLER	EACH				1		1	
	*	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH				1		1	
	*	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH				1		1	
	*	X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT				1387		1387	
	*	XX007092	RECESSED REFLECTIVE PAVMENT MARKER REMOVAL	EACH				46	46		
	*	XX008453	ETHERNET SWITCH, TYPE 1	EACH				1		1	
	*	XX008963	THREE CELL FABRIC INNERDUCT	FOOT				1316		1316	
	*	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SO YD				100	100		
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM				1	1		
	*	Z0022800	FENCE REMOVAL	FOOT				456	456		
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SO FT				77	77		
	*	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH				1		1	
	*	Z0062456	TEMPORARY PAVEMENT	SO YD				242	242		
	*	Z0066700	STABILIZED DRIVEWAYS 10'	SO YD				87	87		
	*	Z0076600	TRAINEES	HOUR				500			500
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR				500			500

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USER NAME = Mike Moos
 PLOT SCALE = 1:8000 / 1" = 80' / 1"
 PLOT DATE = 2/13/2018

DESIGNED - JMS
 DRAWN - JMS
 CHECKED - KDF
 DATE - 02/14/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	9
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

EARTHWORK NOTES:

- MEASUREMENT AND PAYMENT OF ALL EARTHWORK PAY ITEMS SHALL ONLY OCCUR ONCE. ANY NECESSARY STOCKPILING AND EXTRA HANDLING OF EARTHWORK FOR LATER USE SHALL BE FACTORED INTO THE CONTRACTOR'S BID UNIT COST FOR EARTH EXCAVATION, TOPSOIL EXCAVATION AND PLACEMENT, AND REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.
- A 15% SHRINKAGE FACTOR HAS BEEN APPLIED FOR EARTH EXCAVATION PLACED ON SITE.

SCHEDULE OF EARTHWORK

FROM STATION	TO STATION	COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H
		SUITABLE EXCAVATION - CUT - (CU YD)	UNSUITABLE EXCAVATION - CUT - (CU YD)	ROADWAY EMBANKMENT - FILL - (CU YD)	ROADSIDE EMBANKMENT - FILL - (CU YD)	AGGREGATE SUBGRADE IMPROVEMENT (FOR UNDERCUTS) (CU YD)	LEVELING BINDER (MACHINE METHOD), N70 (CU YD)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - VARIABLE DEPTH - (CU YD)	NON-SPECIAL WASTE DISPOSAL (CU YD)
		A	B	C	D	E	F	G	H
HUNTLEY ROAD									
17+14.50	21+00.00	118	822	0	433	224	24	20	0
21+00.00	22+62.00	207	620	0	100	197	8	16	0
22+62.00	24+15.00	0	0	37	116	153	3	58	614
24+15.00	27+00.00	363	369	0	121	0	20	34	0
27+00.00	33+00.00	1,015	862	4	299	0	27	59	0
33+00.00	34+50.00	106	161	0	162	0	12	1	0
GALLIGAN ROAD									
153+27.04	159+00.00	353	823	0	289	293	31	62	0
159+00.00	164+50.00	267	1,171	1,112	1,000	364	15	105	0
TOTALS =		2,429	4,828	1,153	2,520	1,231	140	355	614

AGGREGATE SUBGRADE IMPROVEMENT (30300001) = 1,231 CU YD

EARTHWORK MATERIALS REMAINING ONSITE

EARTH EXCAVATION (20200100)

- EARTH EXCAVATION = (C + D) / 0.85
- EARTH EXCAVATION = (1,153 + 2,520) / 0.85
- EARTH EXCAVATION = 4,321 CU YD
- SUITABLE EX ON SITE AVAILABILITY CHECK:
- C < A * 0.85
- 1,153 < 2,429 * 0.85
- 1,153 < 2,065 -----CRITERIA MET-----

TOPSOIL EXCAVATION AND PLACEMENT (21101505)

- 6" TOPSOIL NEEDS = 8,476 SQ YD BASED ON PLAN VIEW MEASUREMENTS
- 8,476 SQ YD @ 6" DEPTH EQUATES TO 1,413 CU YD
- TOPSOIL EXCAVATION AND PLACEMENT = 1,413 CU YD
- TOPSOIL ON SITE AVAILABILITY CHECK:
- TOPSOIL NEEDS < B * 0.85
- 1,413 > 4,828 * 0.85
- 1,413 > 4,104 -----CRITERIA MET-----

EARTHWORK SURPLUS MATERIAL LEAVING SITE

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)

- TOTAL EXCAVATED MATERIAL = A + B
- TOTAL EXCAVATED MATERIAL = 2,429 + 4,828
- TOTAL EXCAVATED MATERIAL = 7,257 CU YD
- TOTAL EXCAVATED MATERIAL USED ON SITE = PI 20200100 + PI 21101505
- TOTAL EXCAVATED MATERIAL USED ON SITE = 4,321 + 1,413
- TOTAL EXCAVATED MATERIAL USED ON SITE = 5,734 CU YD
- SURPLUS = 7,257 - 5,734
- SURPLUS = 1,523 CU YD
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 1,523 CU YD

VARIABLE DEPTH HOT-MIX ASPHALT ITEMS

LEVELING BINDER (MACHINE METHOD), N70 (40600635)

- X-SECTION MEASURED QUANTITY = 140 CU YD
- CONVERTED TO SQ YD @ 1" THICK = 5,040 SQ YD
- TONS = $\frac{112 \cdot 1' \cdot 5,040}{2,000} = 282$ TON
- LEVELING BINDER (MACHINE METHOD), N70 = 282 TON

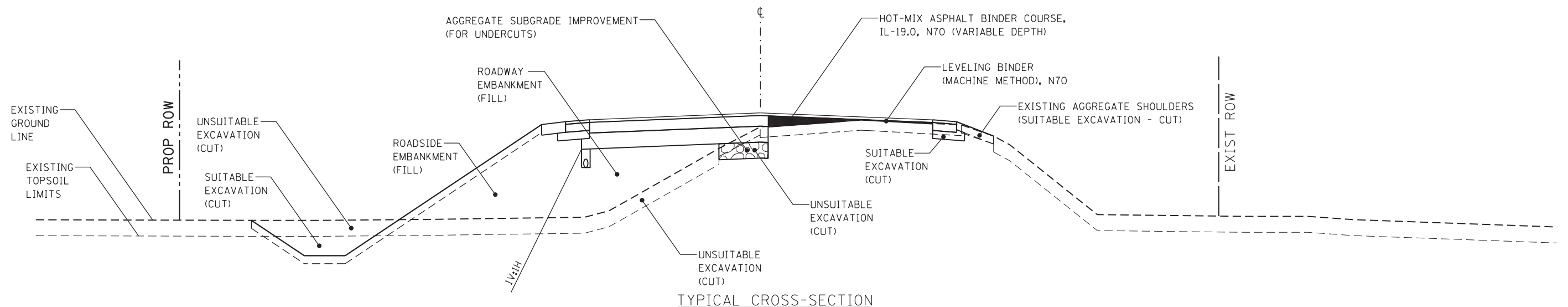
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (40603085)

- X-SECTION MEASURED QUANTITY = 355 CU YD
- CONVERTED TO SQ YD @ 1" THICK = 12,780 SQ YD
- TONS = $\frac{112 \cdot 1' \cdot 12,780}{2,000} = 716$ TON
- STANDARD DEPTH MEASURED QUANTITY = 3,371 TON
- TOTAL QUANTITY = 716 TON + 3,371 TON = 4,087 TON
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 = 4,087 TON

NON-SPECIAL WASTE DISPOSAL

NON-SPECIAL WASTE DISPOSAL (66900200)

- X-SECTION MEASURED QUANTITY = 614 CU YD
- ESTIMATED STORM SEWER TRENCH SPOILS = 50 CU YD
- NON-SPECIAL WASTE DISPOSAL = 614 + 50 = 664 CU YD



TYPICAL CROSS-SECTION

FILE NAME = I:\KANECD\22296-01\Drawn\CA00D_Sheets\pr_sch-earthwork-schedule_01.dgn



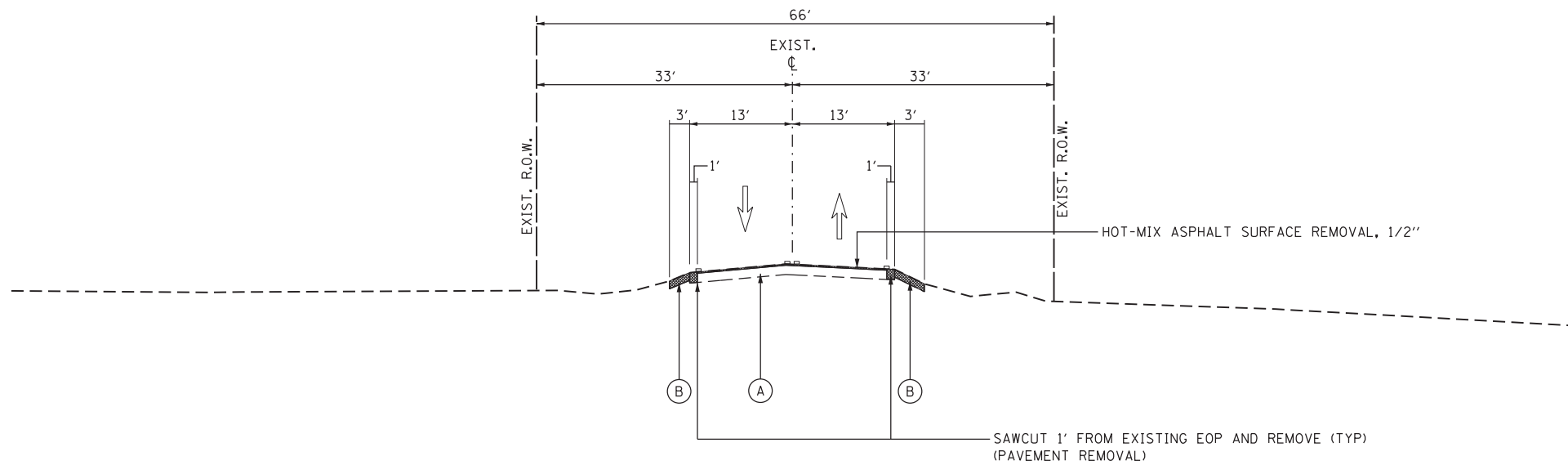
USER NAME = Mike Moes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:8000' / 1"	CHECKED -	REVISED -
PLOT DATE = 3/9/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES - EARTHWORK

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

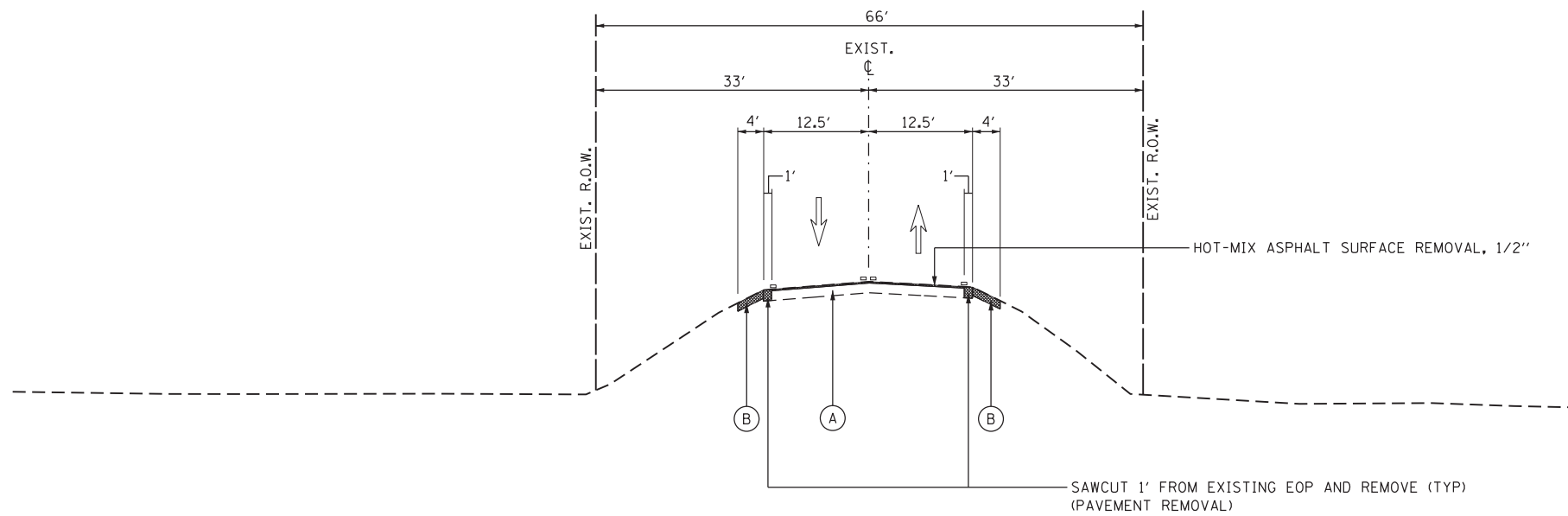
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	10
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
STA. 16 + 74.50 TO STA. 34 + 90.00, HUNTLEY ROAD

EXISTING LEGEND

- (A) EXISTING BITUMINOUS PAVEMENT, 8"
- (B) EXISTING AGGREGATE SHOULDER



EXISTING TYPICAL SECTION
STA. 152 + 87.04 TO STA. 164 + 86.81, GALLIGAN ROAD

FILE NAME = I:\KANECD\12296-01\Drawn\CAD\01_Sheets\ex_typical_sections_01.dgn



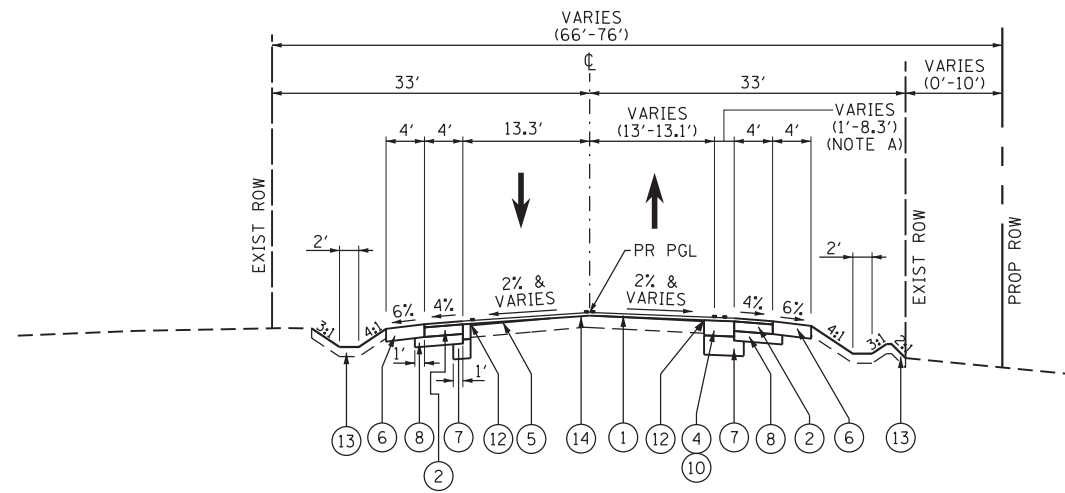
USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
	DRAWN - JMS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - KDF	REVISED -
PLOT DATE = 2/13/2018	DATE - 02/14/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

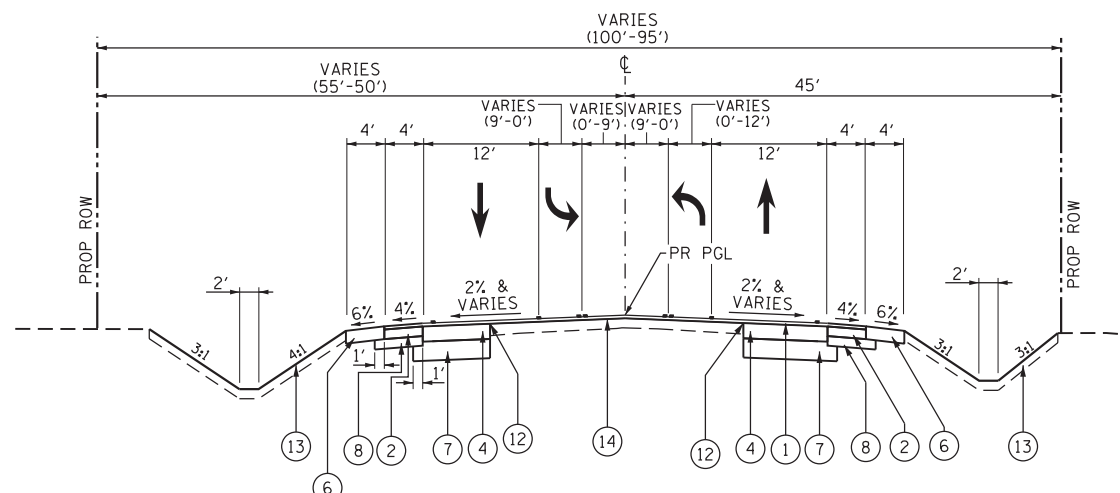
EXISTING ROADWAY TYPICAL SECTIONS
HUNTLEY ROAD & GALLIGAN ROAD

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

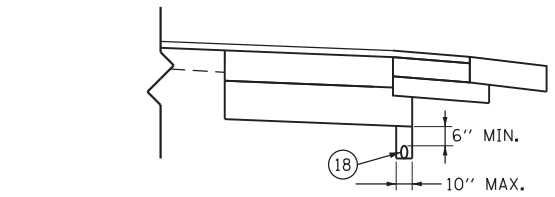
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	11
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



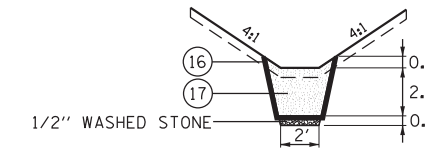
PROPOSED TYPICAL SECTION NO. 1
STA 17+14.50 TO 18+67.97, HUNTLEY ROAD



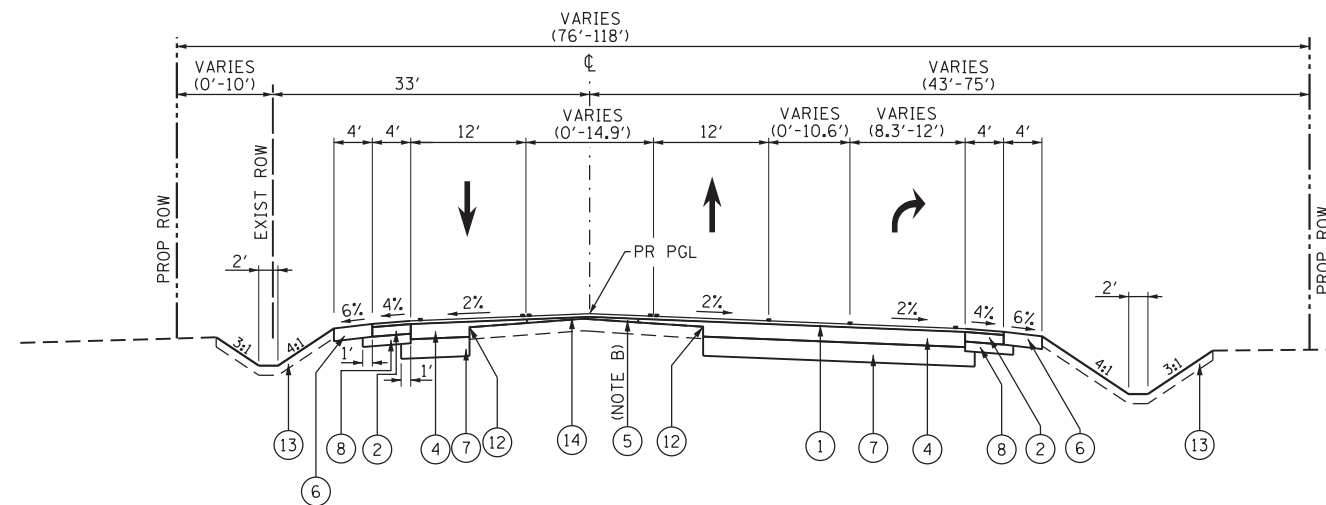
PROPOSED TYPICAL SECTION NO. 4
STA 27+47.71 TO 34+50.00, HUNTLEY ROAD



PROPOSED TYPICAL PIPE UNDERDRAINS, TYPE 2, 4"
SEE DRAINAGE PLAN AND PROFILE SHEETS
STD. 601001-05 AND SPECIAL PROVISIONS

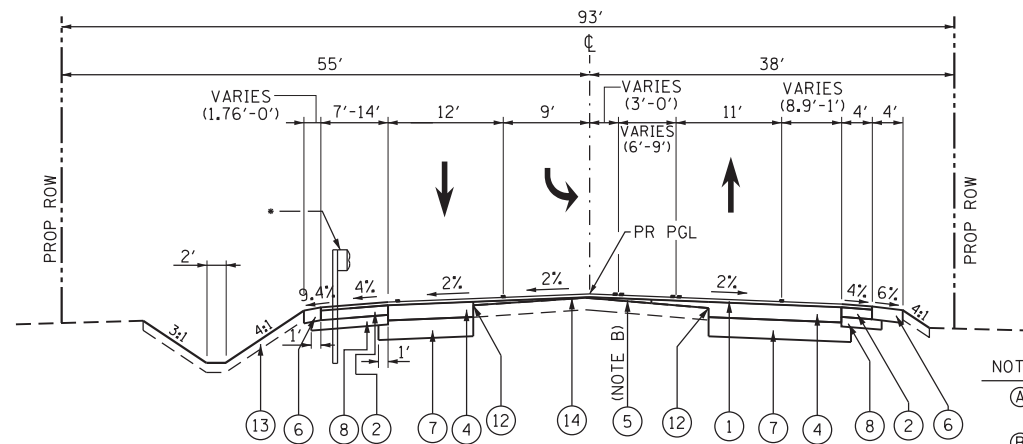


PROPOSED TYPICAL BIOSWALE DITCH
STA 19+00 LT TO 23+30 LT, HUNTLEY RD
STA 23+93 LT TO 27+00 LT, HUNTLEY RD
STA 23+00 RT, HUNTLEY RD TO STA 163+16 LT, GALLIGAN RD



PROPOSED TYPICAL SECTION NO. 2
STA 18+67.97 TO 22+65.72, HUNTLEY ROAD

INTERSECTION OMMISION FROM STA. 22+65.72 TO STA. 24+78.07



PROPOSED TYPICAL SECTION NO. 3
STA 24+78.07 TO 27+47.71, HUNTLEY ROAD

• GUARDRAIL FROM HUNTLEY ROAD STATION 23+85.63 TO STATION 27+33.93

PROPOSED LEGEND

① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 2" (40603340)	⑩ PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9 1/2" (35400450)
② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 6" (40603085)	⑪ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 8" & VARIABLE (40603085)	⑫ STRIP REFLECTIVE CRACK CONTROL TREATMENT (44300200)
④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 9.5" & VARIABLE (40603085)	⑬ TOPSOIL EXCAVATION AND PLACEMENT (21101505) - 6" PLACEMENT
⑤ LEVELING BINDER (MACHINE METHOD), N70 (40600635)	⑭ BITUMINOUS MATERIALS (TACK COAT) (40600290)
⑥ AGGREGATE SHOULDERS, TYPE B 8" (48101600)	⑮ CONCRETE MEDIAN SURFACE, 4 INCH (60618300)
⑦ AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)	⑯ FILTER FABRIC (28200200)
⑧ AGGREGATE BASE COURSE, TYPE B 6" (35101800)	⑰ ENGINEERED SOIL FURNISH AND PLACE (SPECIAL) (X0326981)
⑨ PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8" (35400300)	⑱ PIPE UNDERDRAINS, TYPE 2, 4" (60108204)

STRUCTURAL DESIGN TRAFFIC: YEAR: 2022
 PV = 24,624 (96%) SU = 770 (3%) MU = 257 (1%)

ROAD/STREET CLASSIFICATION: CLASS: 1

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 96% SU = 3% MU = 1%

TRAFFIC FACTOR: ACTUAL TF = 1.89 SUBGRADE SUPPORT RATING: SSR = POOR

- NOTES:
- Ⓐ IN AREAS WHERE HMA WIDENING IS LESS THAN 4' WIDE, AN EQUIVALENT THICKNESS OF PCC BASE COURSE WIDENING SHALL BE PLACED.
 - Ⓑ LEVELING BINDER SHALL BE PLACED ONLY IN AREAS WHERE LESS THAN 2 1/4" EXISTS BETWEEN THE TOP OF THE EXISTING MILLED SURFACE AND THE BOTTOM OF THE PROPOSED SURFACE COURSE. WHEN GREATER THAN 2 1/4" IS AVAILABLE, HMA BINDER COURSE, IL-19.0, N70 SHALL BE USED.
 - Ⓒ WHERE AREAS TO BE LEVELED ARE GREATER THAN 2 IN. IN DEPTH, THE LEVELING BINDER SHALL BE PLACED AND COMPACTED IN LIFTS NOT EXCEEDING MAXIMUM DEPTH OF 2 IN.
 - Ⓓ FOR ADDITIONAL INFORMATION ON LEVELING BINDER AND VARIABLE DEPTH HMA BINDER COURSE PAVEMENT QUANTITY AND LOCATIONS, SEE EARTHWORK SUMMARY.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
PAY ITEM DESCRIPTION	THICKNESS	# OF LIFTS	AIR VOIDS at Ndes
HUNTLEY ROAD WIDENING			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	2"	1	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	9.5"	3	4% @ 70 GYR.
HUNTLEY ROAD RESURFACING			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	2"	1	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	VARIES (MIN. 2.25")	1-2	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5 mm)	VARIES (MAX. 2.25")	1-2	4% @ 70 GYR.
DRIVEWAY PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	2"	1	4% @ 70 GYR.
HMA SHOULDER			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	2"	1	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	6"	2	4% @ 70 GYR.
CLASS D PATCHES			
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	8"	3	4% @ 70 GYR.
TEMPORARY PAVEMENT			
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	6"	1	4% @ 70 GYR.

UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SO 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 DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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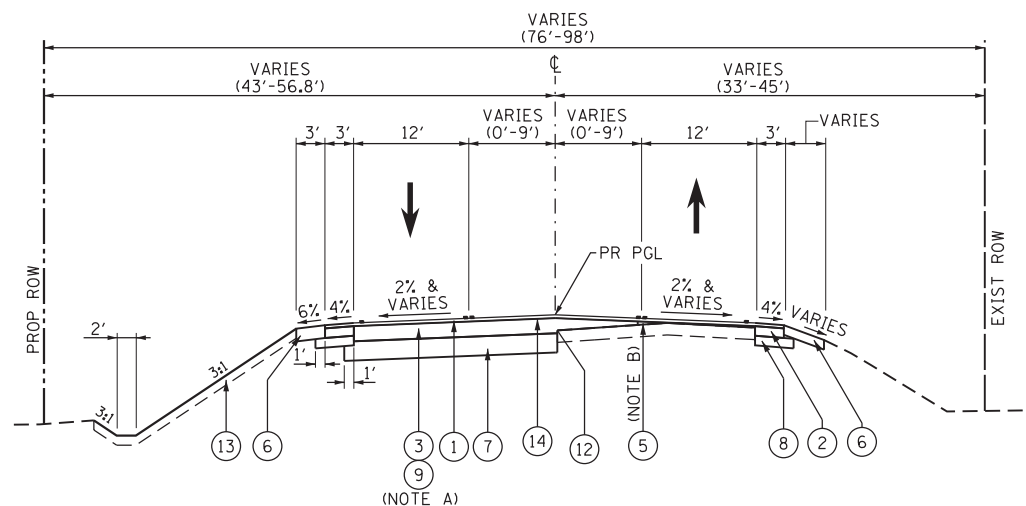


USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JMS	REVISED -
PLOT DATE = 3/9/2018	CHECKED - KDF	REVISED -
	DATE - 02/14/2018	REVISED -

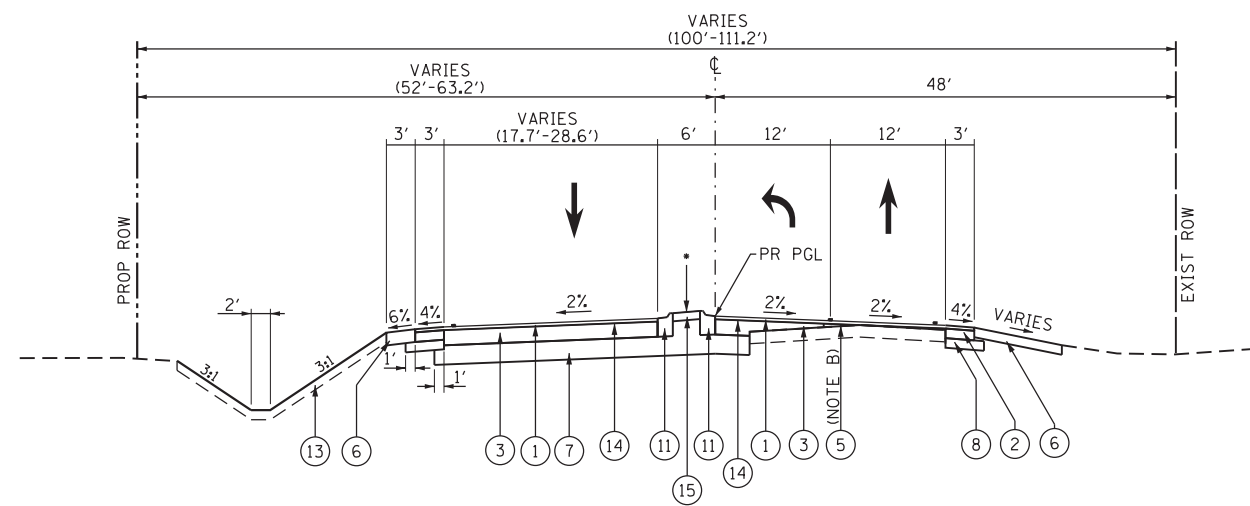
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ROADWAY TYPICAL SECTIONS
HUNTLEY ROAD**

SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	F.A.U. RTE. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 12
CONTRACT NO. 63858								ILLINOIS FED. AID PROJECT



(NOTE A)
PROPOSED TYPICAL SECTION NO. 5
 STA 153+27.04 TO 160+14.47, GALLIGAN ROAD

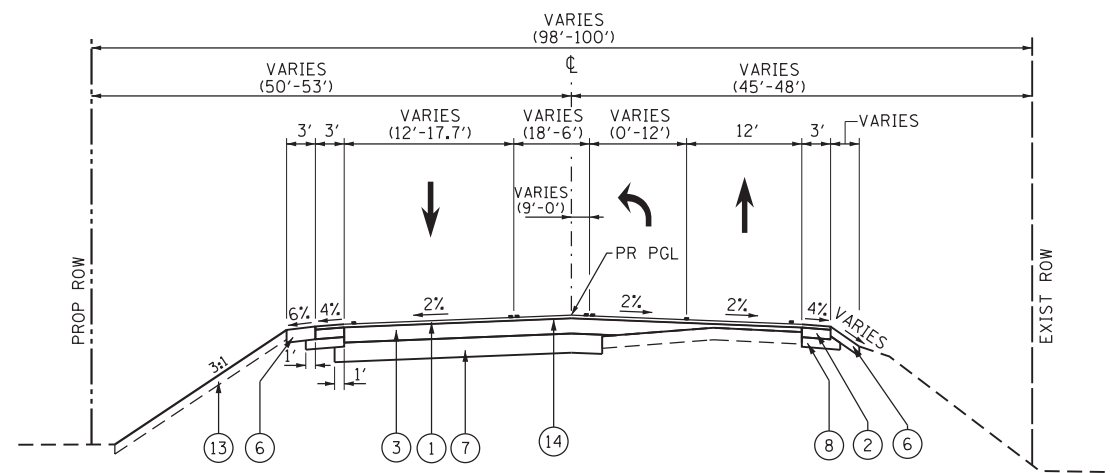


PROPOSED TYPICAL SECTION NO. 7
 STA 162+37.65 TO 163+60.56, GALLIGAN ROAD

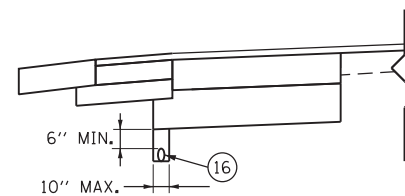
• LIMITS OF MEDIAN ARE STATION 163+17.00 TO STATION 164+53.91, GALLIGAN ROAD

PROPOSED LEGEND

- | | |
|--|--|
| ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 2" (40603340) | ⑨ PORTLAND CEMENT BASE COURSE WIDENING 8" (35400300) |
| ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 6" (40603085) | ⑩ PORTLAND CEMENT BASE COURSE WIDENING 9 1/2" (35400450) |
| ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 8" & VARIABLE (40603085) | ⑪ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800) |
| ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 9.5" (40603085) | ⑫ STRIP REFLECTIVE CRACK CONTROL TREATMENT (44300200) |
| ⑤ LEVELING BINDER (MACHINE METHOD), N70 (40600635) | ⑬ TOPSOIL EXCAVATION AND PLACEMENT (21101505) - 6" PLACEMENT |
| ⑥ AGGREGATE SHOULDERS, TYPE B 8" (48101600) | ⑭ BITUMINOUS MATERIALS (TACK COAT) (40600290) |
| ⑦ AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112) | ⑮ CONCRETE MEDIAN SURFACE, 4 INCH (60618300) |
| ⑧ AGGREGATE BASE COURSE, TYPE B 6" (35101800) | ⑯ PIPE UNDERDRAINS, TYPE 2, 4" (60108204) |



PROPOSED TYPICAL SECTION NO. 6
 STA 160+14.47 TO 162+37.65, GALLIGAN ROAD



PROPOSED TYPICAL PIPE UNDERDRAINS, TYPE 2, 4"
 SEE DRAINAGE PLAN AND PROFILE SHEETS
 STD. 601001-05 AND SPECIAL PROVISIONS

NOTES:

- Ⓐ IN AREAS WHERE HMA WIDENING IS LESS THAN 4' WIDE, AN EQUIVALENT THICKNESS OF PCC BASE COURSE WIDENING SHALL BE PLACED.
- Ⓑ LEVELING BINDER SHALL BE PLACED ONLY IN AREAS WHERE LESS THAN 2 1/4" EXISTS BETWEEN THE TOP OF THE EXISTING MILLED SURFACE AND THE BOTTOM OF THE PROPOSED SURFACE COURSE. WHEN GREATER THAN 2 1/4" IS AVAILABLE, HMA BINDER COURSE, IL-19.0, N70 SHALL BE USED.
- Ⓒ WHERE AREAS TO BE LEVELED ARE GREATER THAN 2 IN. IN DEPTH, THE LEVELING BINDER SHALL BE PLACED AND COMPACTED IN LIFTS NOT EXCEEDING MAXIMUM DEPTH OF 2 IN.
- Ⓓ FOR ADDITIONAL INFORMATION ON LEVELING BINDER AND VARIABLE DEPTH HMA BINDER COURSE PAVEMENT QUANTITY AND LOCATIONS, SEE EARTHWORK SUMMARY.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
PAY ITEM DESCRIPTION	THICKNESS	# OF LIFTS	AIR VOIDS at Ndes
GALLIGAN ROAD WIDENING			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	2"	1	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	8"	3	4% @ 70 GYR.
GALLIGAN ROAD RESURFACING			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	2"	1	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	VARIES (MIN. 2.25")	1-2	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5 mm)	VARIES (MAX. 2.25")	1-2	4% @ 70 GYR.
DRIVEWAY PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	2"	1	4% @ 70 GYR.
HMA SHOULDER			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	2"	1	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	6"	2	4% @ 70 GYR.
CLASS D PATCHES			
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	8"	3	4% @ 70 GYR.
TEMPORARY PAVEMENT			
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	6"	1	4% @ 70 GYR.

UNIT WEIGHT USED TO CALCULATE ALL HMA 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 DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

STRUCTURAL DESIGN TRAFFIC: YEAR: 2022
 PV = 10,944 (96%) SU = 342 (3%) MU = 114 (1%)
 ROAD/STREET CLASSIFICATION: CLASS: 1
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 96% SU = 3% MU = 1%
 TRAFFIC FACTOR: SUBGRADE SUPPORT RATING:
 ACTUAL TF = 0.84 SSR = POOR



USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JMS	REVISED -
PLOT DATE = 3/9/2018	CHECKED - KDF	REVISED -
	DATE - 02/14/2018	REVISED -

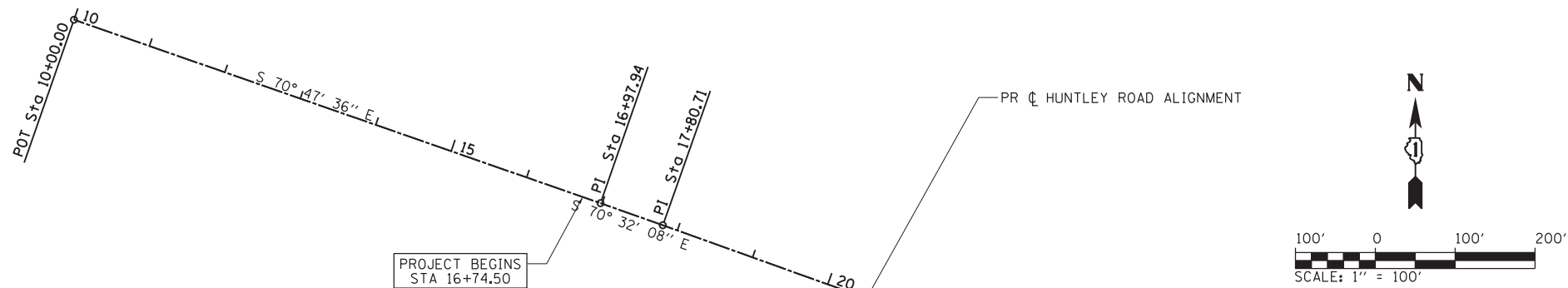
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY TYPICAL SECTIONS
 GALLIGAN ROAD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	13
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

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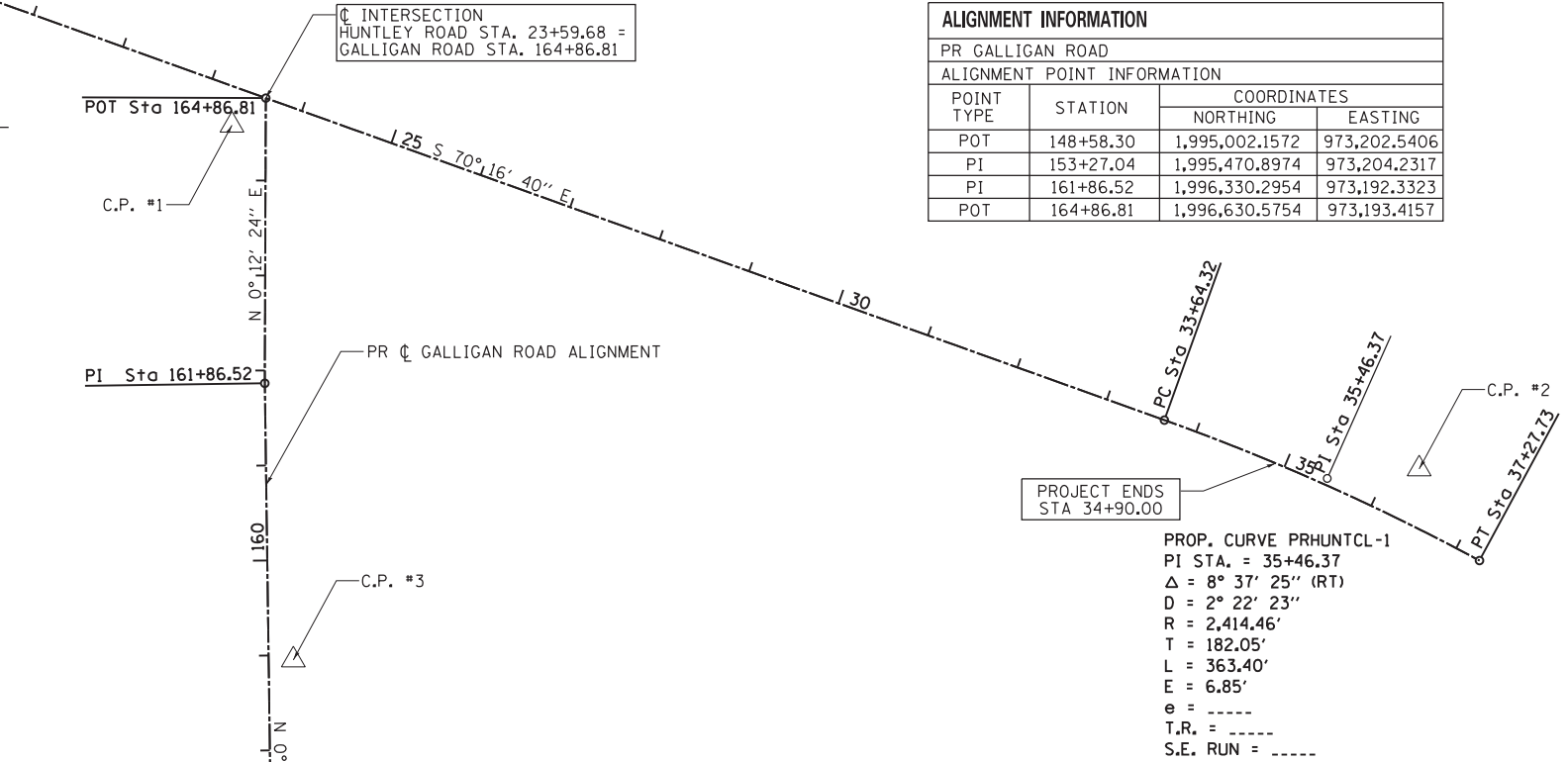
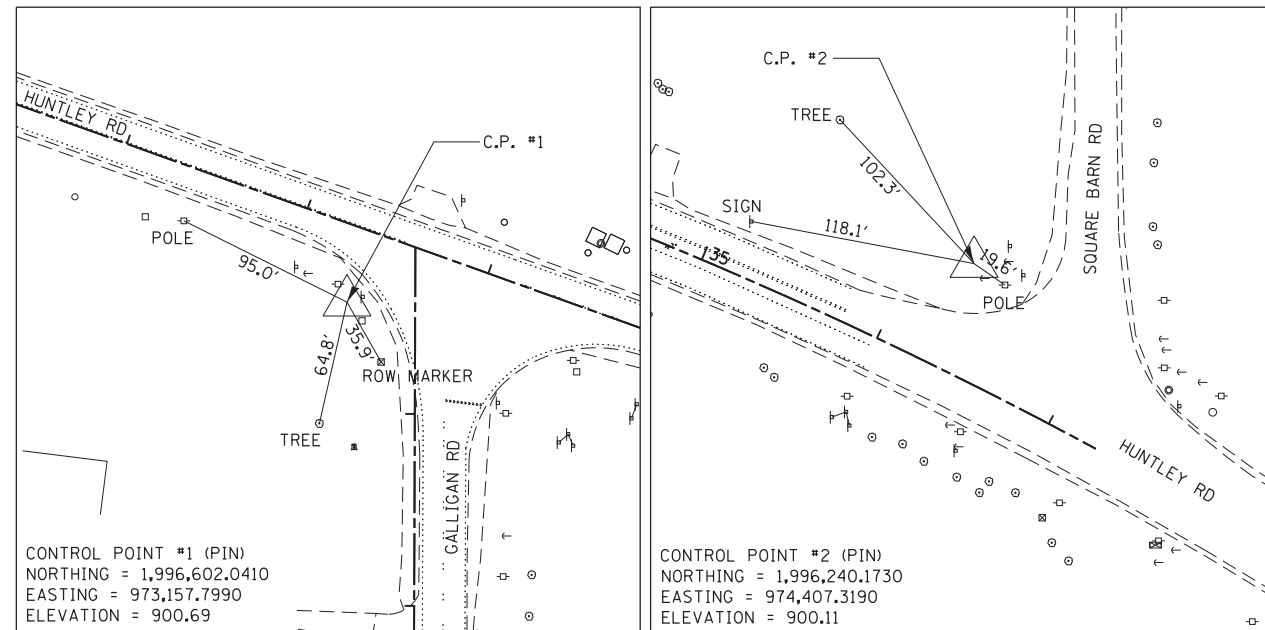
ALIGNMENT INFORMATION

ALIGNMENT INFORMATION			
PR HUNTLEY ROAD			
ALIGNMENT POINT INFORMATION			
POINT TYPE	STATION	COORDINATES	
		NORTHING	EASTING
POT	10+00.00	1,997,083.1412	971,911.2815
PI	16+97.94	1,996,853.5355	972,570.3697
PI	17+80.71	1,996,825.9526	972,648.4151
PC	33+64.32	1,996,291.5467	974,139.1286
PI	35+46.37	1,996,230.1133	974,310.4957
PT	37+27.73	1,996,143.6789	974,470.7139

ALIGNMENT INFORMATION

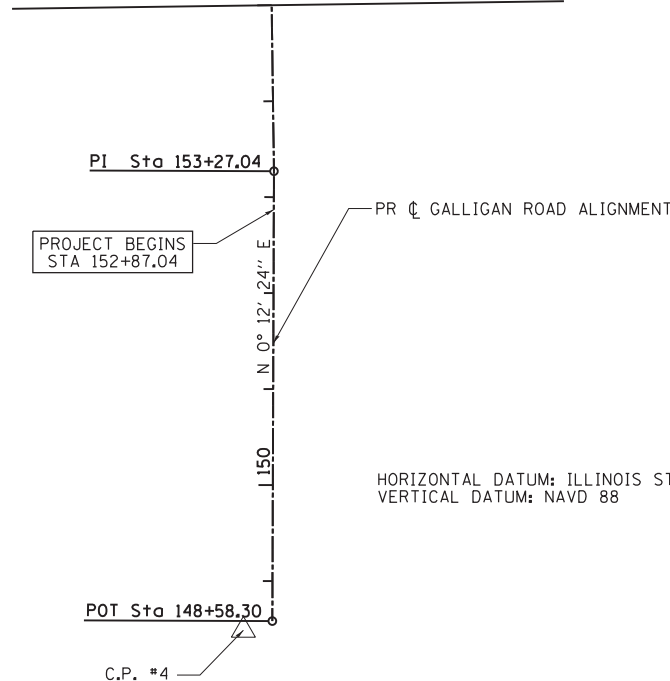
ALIGNMENT INFORMATION			
PR GALLIGAN ROAD			
ALIGNMENT POINT INFORMATION			
POINT TYPE	STATION	COORDINATES	
		NORTHING	EASTING
POT	148+58.30	1,995,002.1572	973,202.5406
PI	153+27.04	1,995,470.8974	973,204.2317
PI	161+86.52	1,996,330.2954	973,192.3323
POT	164+86.81	1,996,630.5754	973,193.4157

CONTROL AND TIES INFORMATION



PROP. CURVE PRHUNTCL-1
 PI STA. = 35+46.37
 Δ = 8° 37' 25" (RT)
 D = 2° 22' 23"
 R = 2,414.46'
 T = 182.05'
 L = 363.40'
 E = 6.85'
 e = ----
 T.R. = ----
 S.E. RUN = ----
 P.C. STA = 33+64.32
 P.T. STA = 37+27.73

MATCHLINE STA. 155 + 00 (THIS SHEET)



HORIZONTAL DATUM: ILLINOIS STATE PLANE - EAST ZONE NAD83(2007)
 VERTICAL DATUM: NAVD 88

NOTES:

- DISTANCES SHOWN IN THE ALIGNMENT TIES ARE SHOWN TO PROVIDE GENERAL LOCATION OF CONTROL POINTS, NOT TO ACCURATELY RE-CREATE CONTROL POINTS.

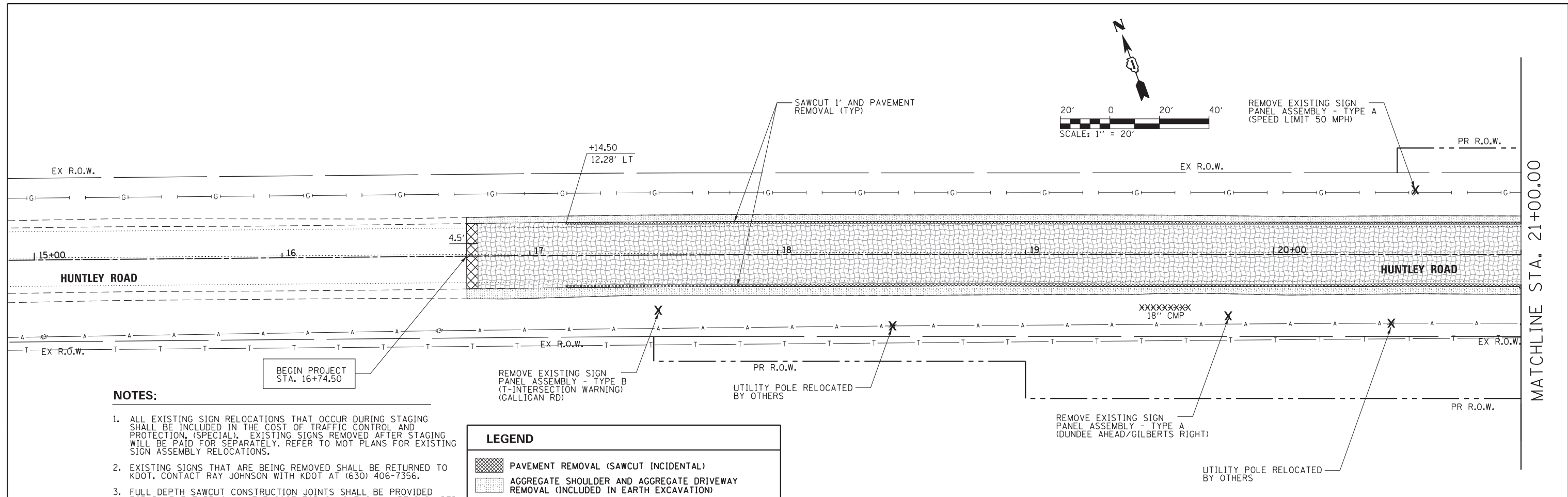
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	PLOT DATE = 2/13/2018	CHECKED - KDF	REVISED -
		DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES & BENCHMARKS	
SCALE: 1" = 100'	SHEET NO. 1 OF 1 SHEETS
STA. _____	TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-0012-00-CH	KANE	93	14
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

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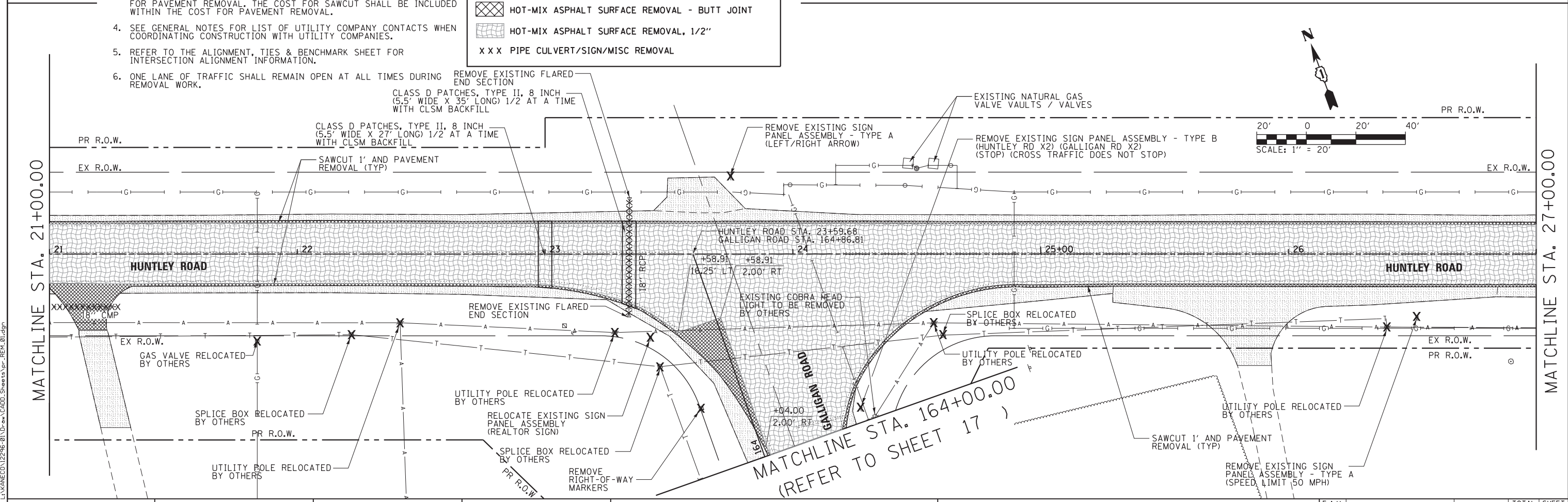


NOTES:

1. ALL EXISTING SIGN RELOCATIONS THAT OCCUR DURING STAGING SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL). EXISTING SIGNS REMOVED AFTER STAGING WILL BE PAID FOR SEPARATELY. REFER TO MOT PLANS FOR EXISTING SIGN ASSEMBLY RELOCATIONS.
2. EXISTING SIGNS THAT ARE BEING REMOVED SHALL BE RETURNED TO KDOT. CONTACT RAY JOHNSON WITH KDOT AT (630) 406-7356.
3. FULL DEPTH SAWCUT CONSTRUCTION JOINTS SHALL BE PROVIDED FOR PAVEMENT REMOVAL. THE COST FOR SAWCUT SHALL BE INCLUDED WITHIN THE COST FOR PAVEMENT REMOVAL.
4. SEE GENERAL NOTES FOR LIST OF UTILITY COMPANY CONTACTS WHEN COORDINATING CONSTRUCTION WITH UTILITY COMPANIES.
5. REFER TO THE ALIGNMENT, TIES & BENCHMARK SHEET FOR INTERSECTION ALIGNMENT INFORMATION.
6. ONE LANE OF TRAFFIC SHALL REMAIN OPEN AT ALL TIMES DURING REMOVAL WORK.

LEGEND

- PAVEMENT REMOVAL (SAWCUT INCIDENTAL)
- AGGREGATE SHOULDER AND AGGREGATE DRIVEWAY REMOVAL (INCLUDED IN EARTH EXCAVATION)
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"
- PIPE CULVERT/SIGN/MISC REMOVAL



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

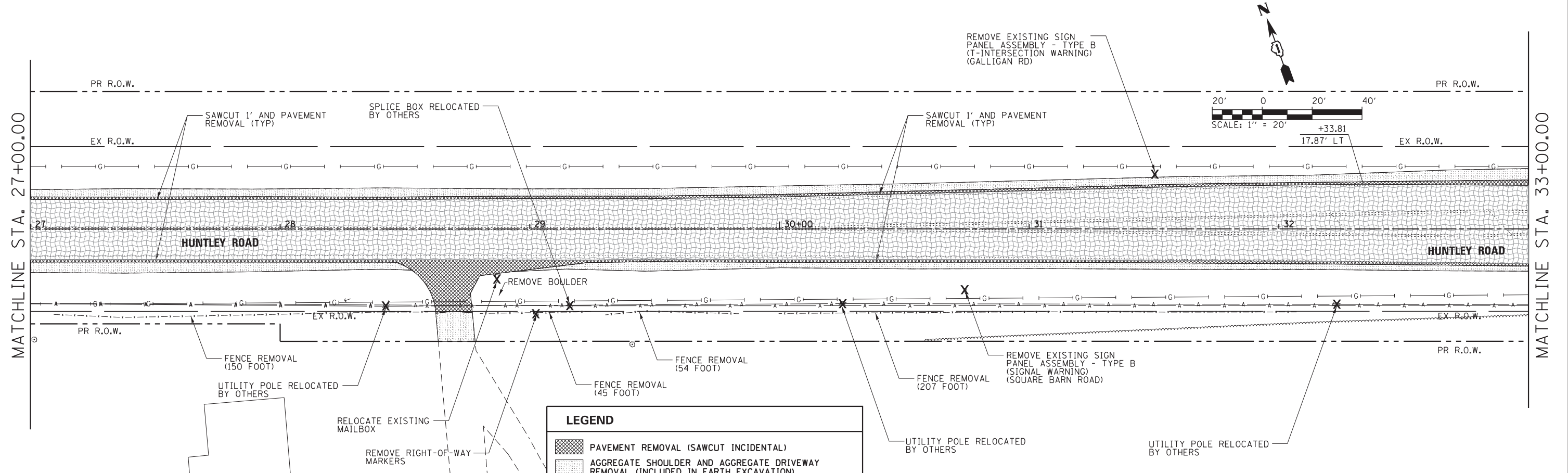
**REMOVAL PLAN
HUNTLEY ROAD**

SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. 15+00.00 TO STA. 27+00.00

F.A.U. RTE. 4066	SECTION 08-0012-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 15
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 27+00.00

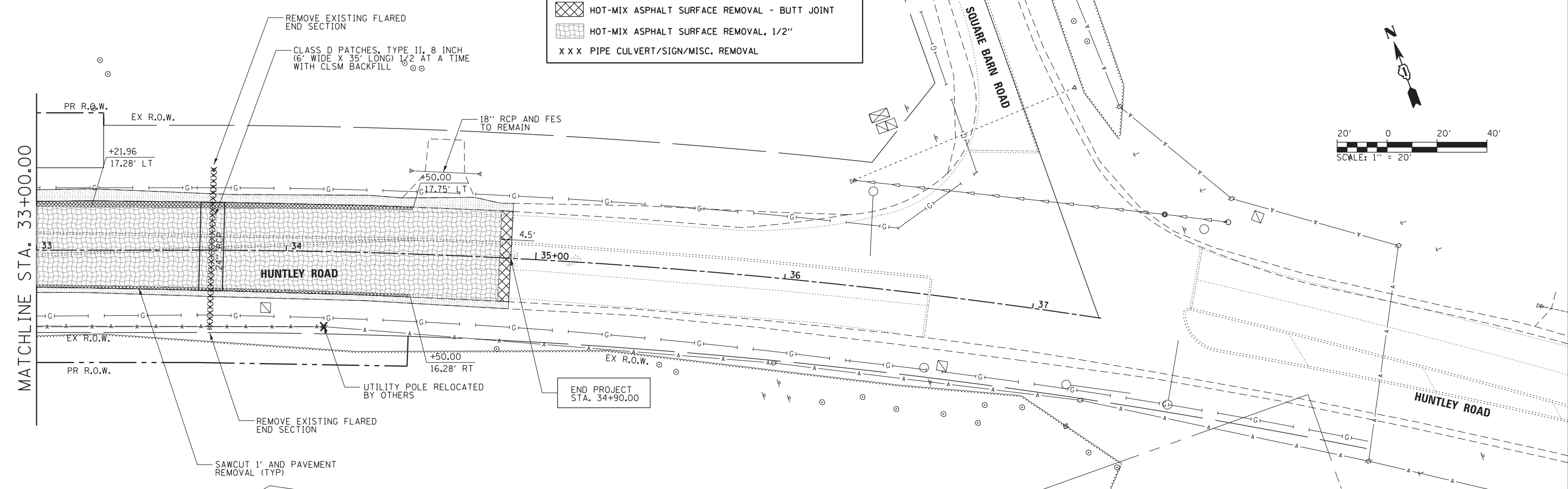
MATCHLINE STA. 33+00.00



LEGEND

- PAVEMENT REMOVAL (SAWCUT INCIDENTAL)
- AGGREGATE SHOULDER AND AGGREGATE DRIVEWAY REMOVAL (INCLUDED IN EARTH EXCAVATION)
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"
- PIPE CULVERT/SIGN/MISC. REMOVAL

MATCHLINE STA. 33+00.00



END PROJECT STA. 34+90.00

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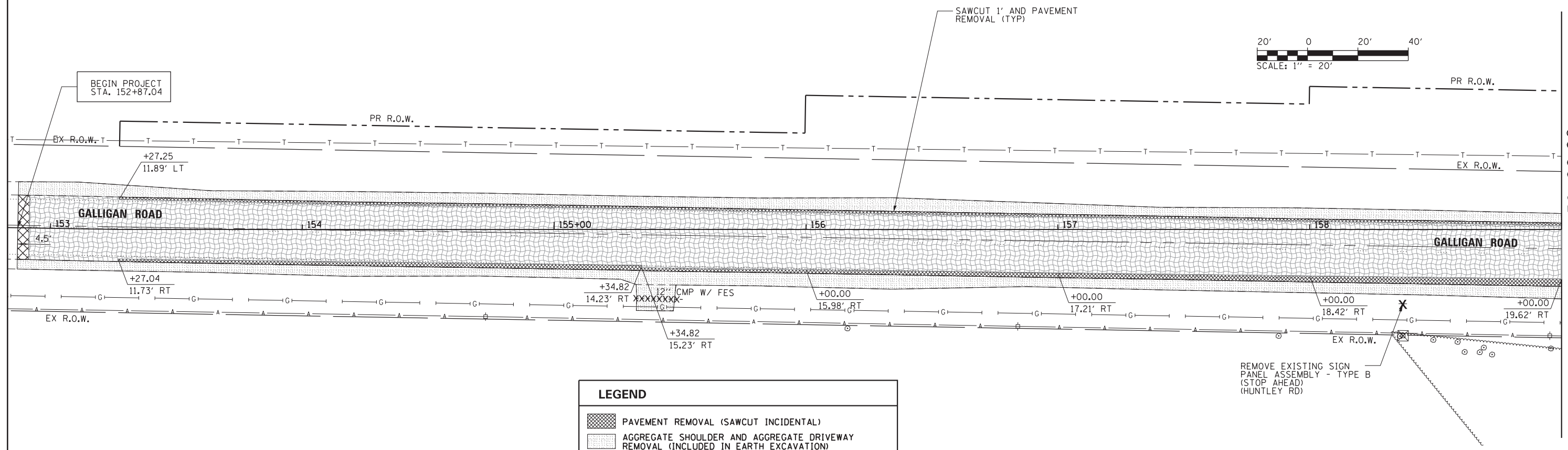
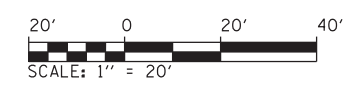


USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JMS	REVISED -
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	DATE - 02/14/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

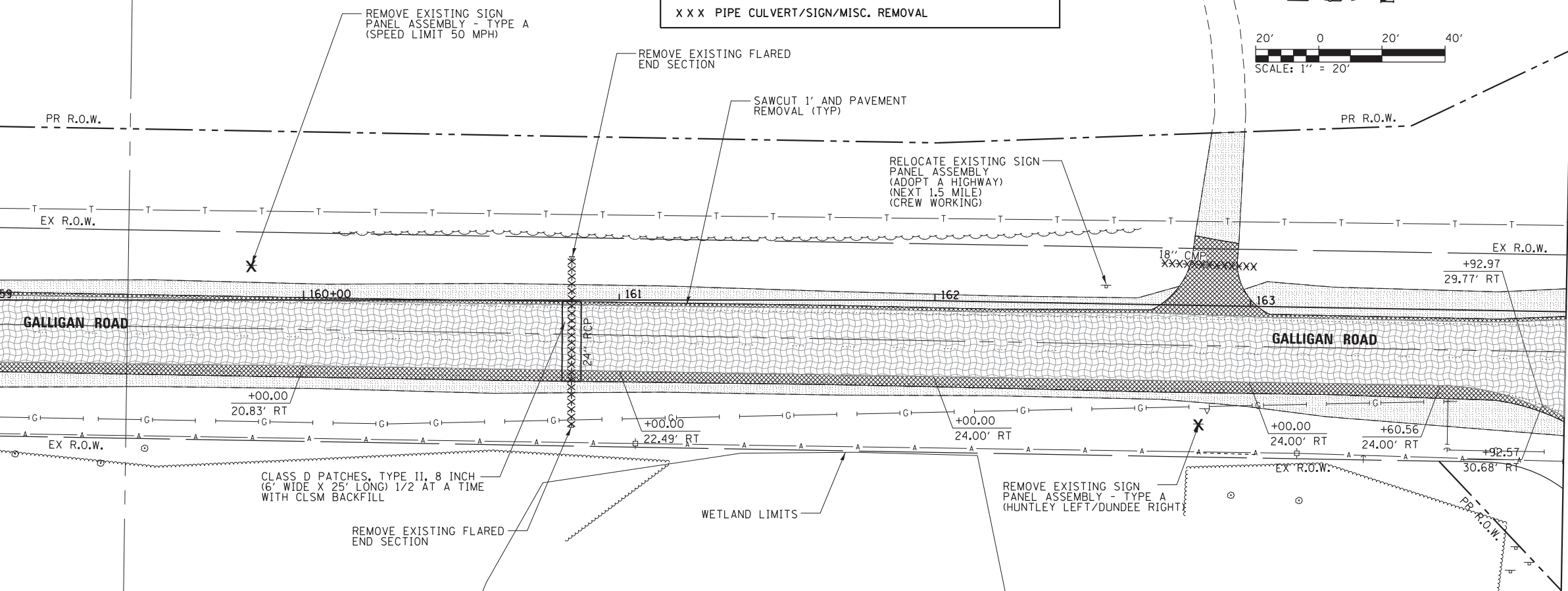
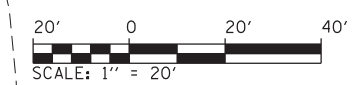
REMOVAL PLAN HUNTLEY ROAD	
SCALE: 1" = 20'	SHEET NO. 2 OF 3 SHEETS
STA. 27+00.00	TO STA. 39+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-0012-00-CH	KANE	93	16
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



LEGEND	
	PAVEMENT REMOVAL (SAWCUT INCIDENTAL)
	AGGREGATE SHOULDER AND AGGREGATE DRIVEWAY REMOVAL (INCLUDED IN EARTH EXCAVATION)
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"
	PIPE CULVERT/SIGN/MISC. REMOVAL

MATCHLINE STA. 159+00.00



MATCHLINE STA. 164+00.00
(REFER TO SHEET 15)

FILE NAME = I:\KANECD\12296-01\Drawings\CADD\Drawings\pr-REM_03.dgn



USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JMS	REVISED -
PLOT DATE = 2/13/2018	CHECKED - KDF	REVISED -
	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
GALLIGAN ROAD**

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 153+00.00 TO STA. 164+00.00

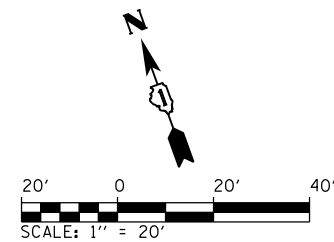
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	17
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

NOTES:

- SEE EARTHWORK SUMMARY SHEET FOR ADDITIONAL INFORMATION ON LEVELING BINDER AND VARIABLE DEPTH HMA BINDER COURSE OVER EXISTING PAVEMENT.

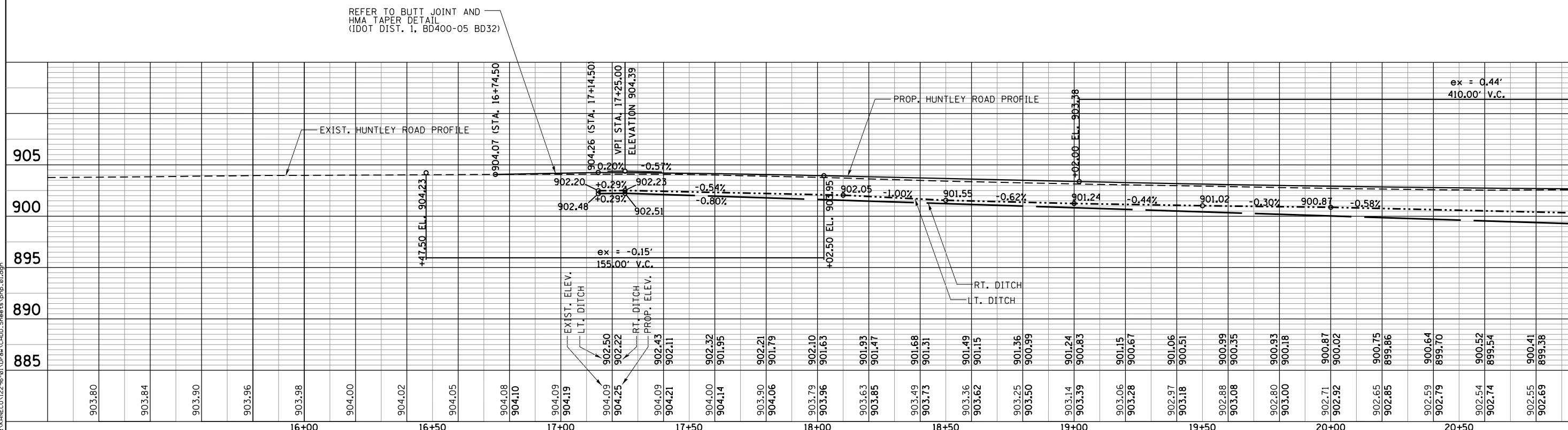
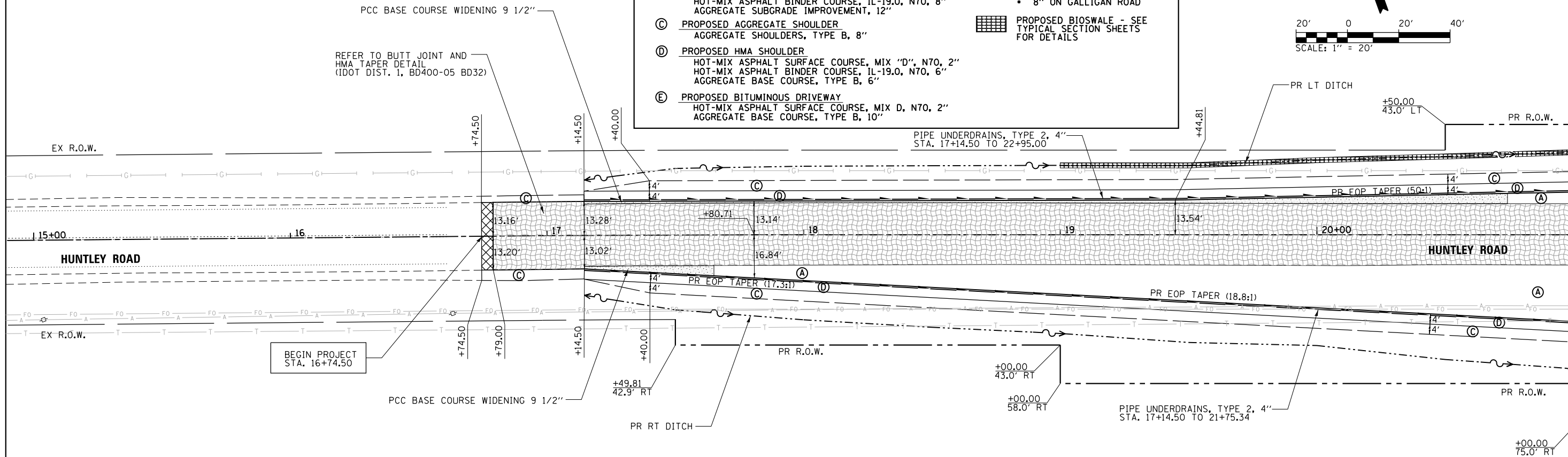
LEGEND

- (A) **PROPOSED PAVEMENT (HUNTLEY ROAD)**
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 9.5"
AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (B) **PROPOSED PAVEMENT (GALLIGAN ROAD)**
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"
AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (C) **PROPOSED AGGREGATE SHOULDER**
AGGREGATE SHOULDERS, TYPE B, 8"
 - (D) **PROPOSED HMA SHOULDER**
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6"
AGGREGATE BASE COURSE, TYPE B, 6"
 - (E) **PROPOSED BITUMINOUS DRIVEWAY**
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 2"
AGGREGATE BASE COURSE, TYPE B, 10"
- MILLING, LEVELING BINDER OR HMA BINDER, AND HMA SURFACE
 - PCC BASE COURSE WIDENING
• 9 1/2" ON HUNTLEY ROAD
• 8" ON GALLIGAN ROAD
 - PROPOSED BIOSWALE - SEE TYPICAL SECTION SHEETS FOR DETAILS



PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	NO. _____	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO. _____	
	NO. _____	



MATCHLINE STA. 21+00.00



USER NAME = Mike Moe
 DESIGNED - JMS
 DRAWN - JMS
 CHECKED - KDF
 DATE - 02/14/2018

REVISIONS:
 REVISION NO. | DESCRIPTION | DATE
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

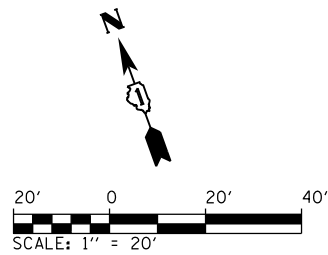
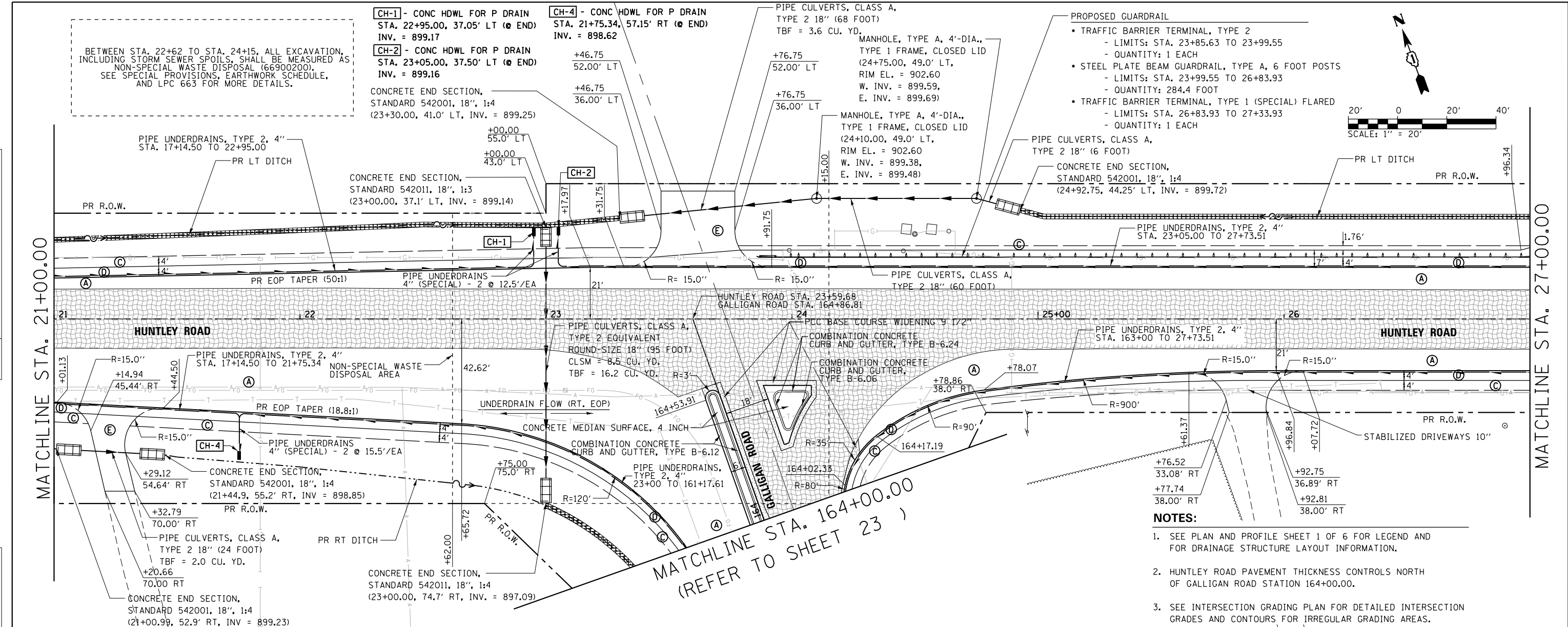
PROPOSED ROADWAY PLAN & PROFILE / DRAINAGE PLAN & PROFILE
HUNTLEY ROAD
 SCALE: 1" = 20' | SHEET NO. 1 OF 6 SHEETS | STA. 15+00.00 TO STA. 21+00.00

F.A.U. RTE. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 18
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

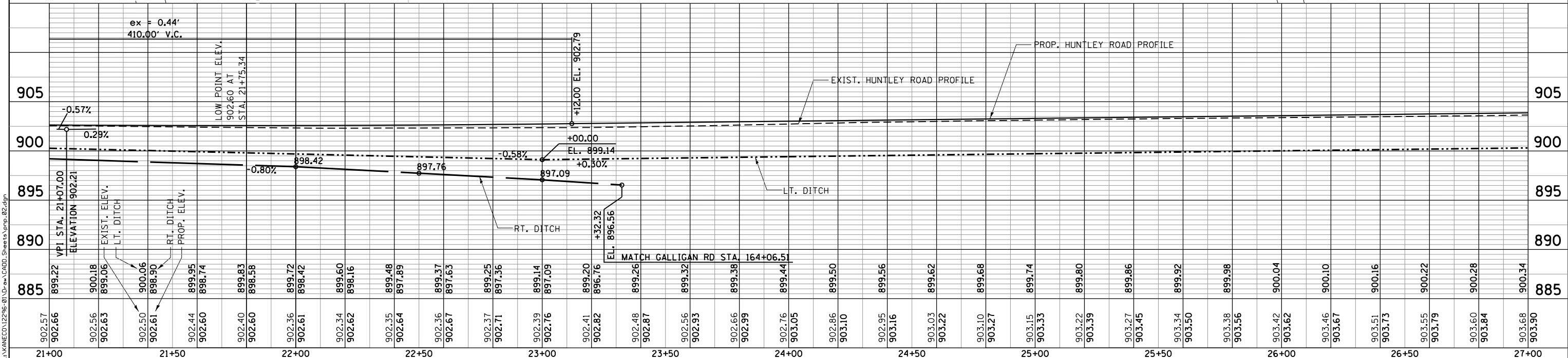
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PLAN	SURVEYED
	PLOTTED
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DATE	
BY	
PROFILE	SURVEYED
	GRADES CHECKED
	STRUCTURE NOTATIONS OK'D
	NO.



- NOTES:**
1. SEE PLAN AND PROFILE SHEET 1 OF 6 FOR LEGEND AND FOR DRAINAGE STRUCTURE LAYOUT INFORMATION.
 2. HUNTLEY ROAD PAVEMENT THICKNESS CONTROLS NORTH OF GALLIGAN ROAD STATION 164+00.00.
 3. SEE INTERSECTION GRADING PLAN FOR DETAILED INTERSECTION GRADES AND CONTOURS FOR IRREGULAR GRADING AREAS.



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USER NAME = Mike Moes
 DESIGNED - JMS
 DRAWN - JMS
 CHECKED - KDF
 DATE - 02/14/2018

REVISOR -
 REVISION -
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 REVISION -

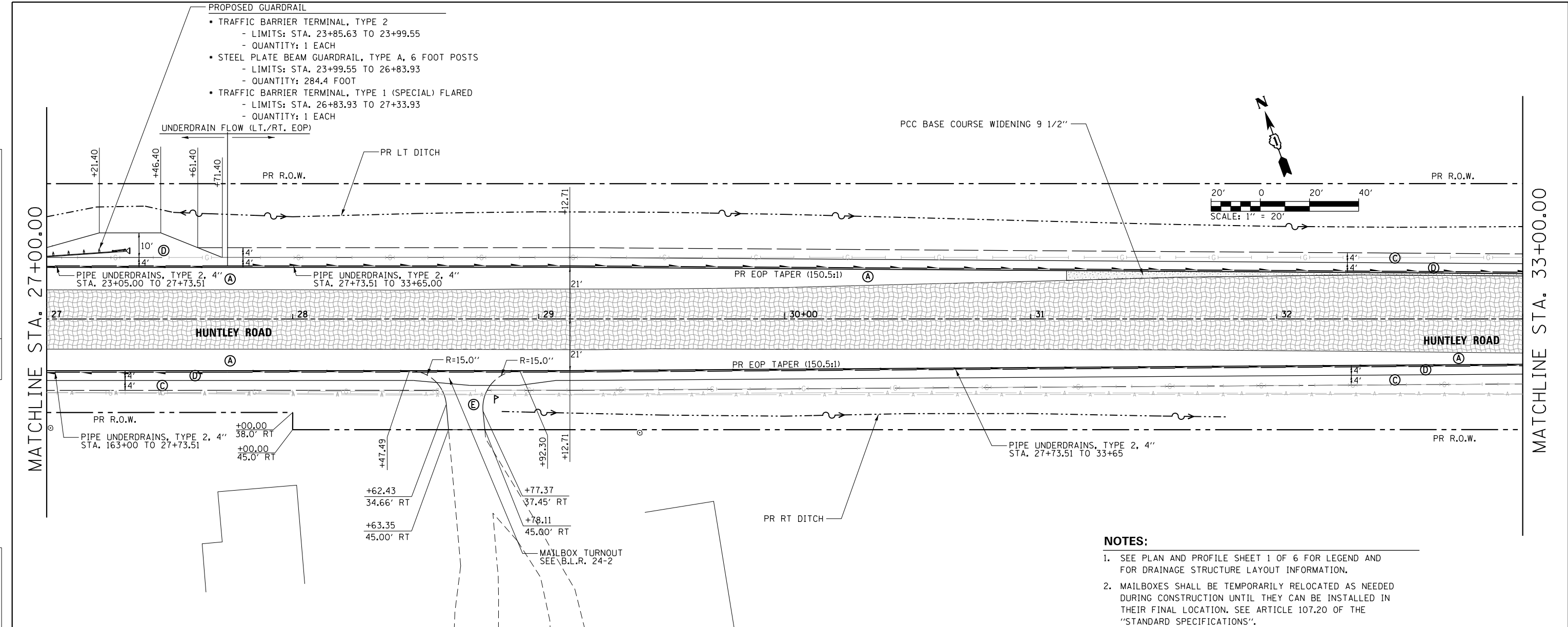
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY PLAN & PROFILE / DRAINAGE PLAN & PROFILE
 HUNTLEY ROAD
 SCALE: 1" = 20' SHEET NO. 2 OF 6 SHEETS STA. 21+00.00 TO STA. 27+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	19
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	AT	
	FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	AT	
	FILE NAME	
	NO.	



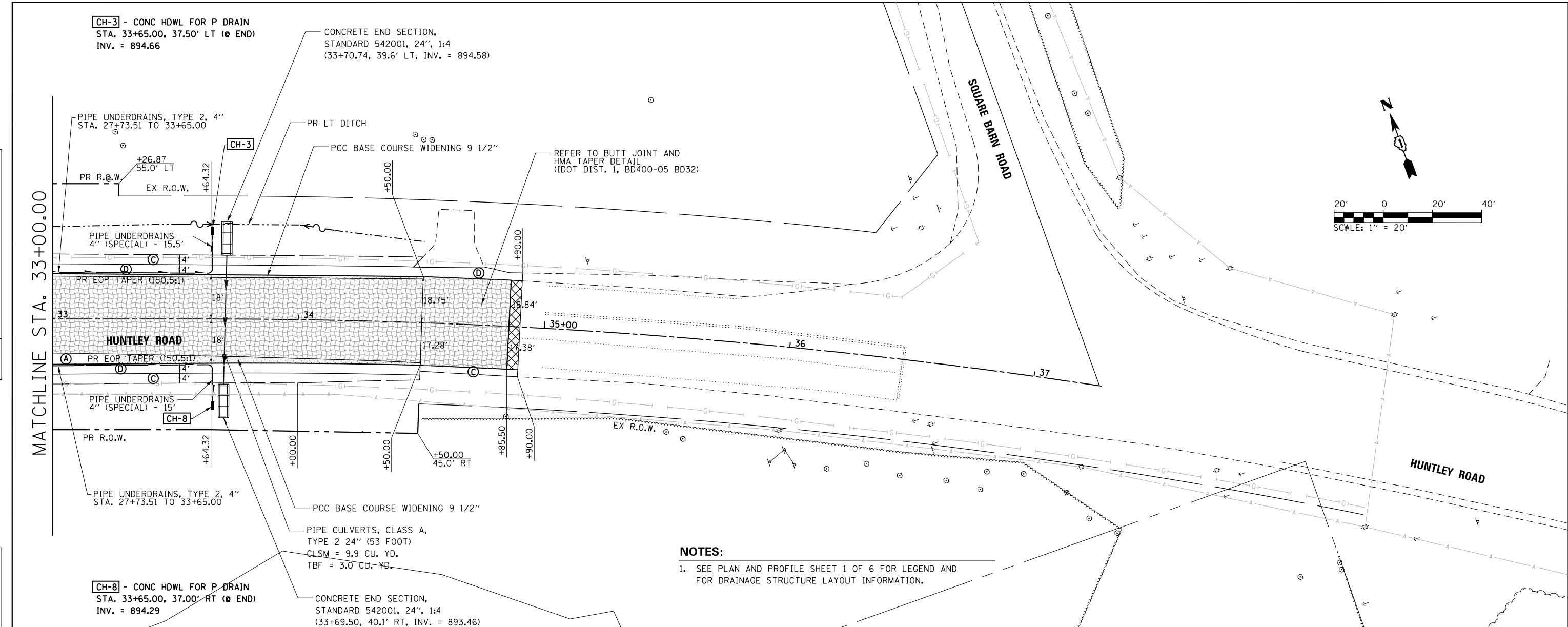
- NOTES:**
- SEE PLAN AND PROFILE SHEET 1 OF 6 FOR LEGEND AND FOR DRAINAGE STRUCTURE LAYOUT INFORMATION.
 - MAILBOXES SHALL BE TEMPORARILY RELOCATED AS NEEDED DURING CONSTRUCTION UNTIL THEY CAN BE INSTALLED IN THEIR FINAL LOCATION. SEE ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS".

903.68	903.90	903.76	900.40	903.84	900.46	904.01	900.52	904.04	900.51	904.04	900.32	900.12	899.93	903.86	899.73	903.69	903.81	903.50	899.54	903.31	899.34	903.55	900.75	903.10	899.15	900.42	902.89	898.95	900.10	902.69	898.76	902.97	899.78	902.49	898.57	902.72	899.45	902.29	898.37	902.45	899.13	902.08	898.18	902.16	898.81	901.87	897.98	901.87	898.48	901.62	897.79	901.57	898.16	901.25	897.53	901.27	897.84	900.89	897.40	900.98	897.51	900.51	897.20	900.68	897.19	900.13	897.01	900.38	896.86	899.74	896.81	900.09	896.54	899.47	896.62	899.82	896.22	899.20	896.42	899.58	896.23	899.36	896.03	898.79	899.17	898.61	895.84	898.49	895.65	898.86	895.45	898.40	895.45	898.74	895.45																									
27+00	27+05	27+10	27+15	27+20	27+25	27+30	27+35	27+40	27+45	27+50	27+55	27+60	27+65	27+70	27+75	27+80	27+85	27+90	27+95	28+00	28+05	28+10	28+15	28+20	28+25	28+30	28+35	28+40	28+45	28+50	28+55	28+60	28+65	28+70	28+75	28+80	28+85	28+90	28+95	29+00	29+05	29+10	29+15	29+20	29+25	29+30	29+35	29+40	29+45	29+50	29+55	29+60	29+65	29+70	29+75	29+80	29+85	29+90	29+95	30+00	30+05	30+10	30+15	30+20	30+25	30+30	30+35	30+40	30+45	30+50	30+55	30+60	30+65	30+70	30+75	30+80	30+85	30+90	30+95	31+00	31+05	31+10	31+15	31+20	31+25	31+30	31+35	31+40	31+45	31+50	31+55	31+60	31+65	31+70	31+75	31+80	31+85	31+90	31+95	32+00	32+05	32+10	32+15	32+20	32+25	32+30	32+35	32+40	32+45	32+50	32+55	32+60	32+65	32+70	32+75	32+80	32+85	32+90	32+95	33+00

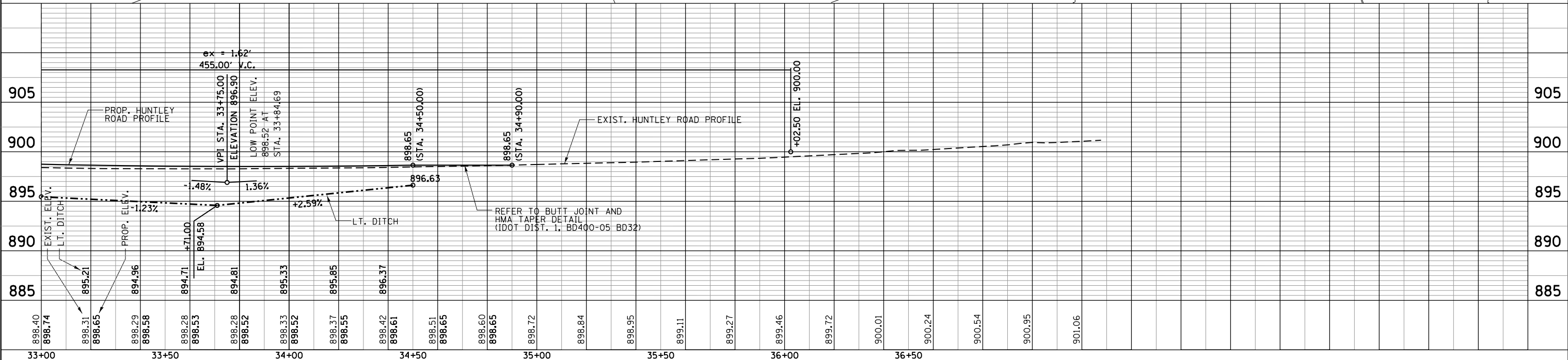
	USER NAME = Mike Moes	DESIGNED - JMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED ROADWAY PLAN & PROFILE / DRAINAGE PLAN & PROFILE HUNTLEY ROAD			F.A.U. R.T.E. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 20
	PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -		SCALE: 1" = 20'	SHEET NO. 3 OF 6 SHEETS	STA. 27+00.00 TO STA. 33+00.00	CONTRACT NO. 63858		ILLINOIS FED. AID PROJECT		
PLOT DATE = 3/9/2018	DATE = 02/14/2018	REVISED -	REVISED -									

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CHECKED	
	DATE	
	BY	
	FILE NAME	

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



NOTES:
 1. SEE PLAN AND PROFILE SHEET 1 OF 6 FOR LEGEND AND FOR DRAINAGE STRUCTURE LAYOUT INFORMATION.



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USER NAME = Mike Moe
 PLOT SCALE = 20.0017' / in.
 PLOT DATE = 3/9/2018

DESIGNED -	JMS	REVISED -	
DRAWN -	JMS	REVISED -	
CHECKED -	KDF	REVISED -	
DATE -	02/14/2018	REVISED -	

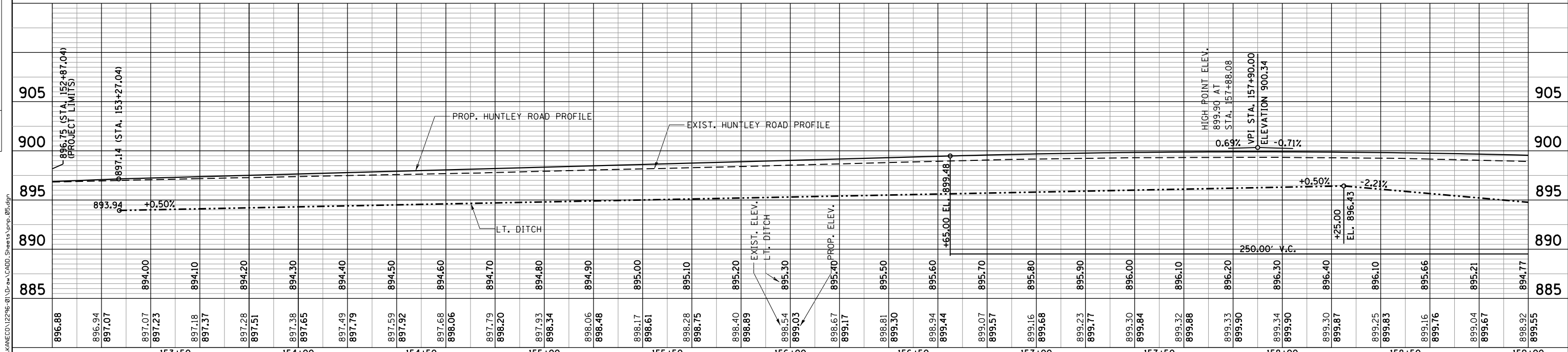
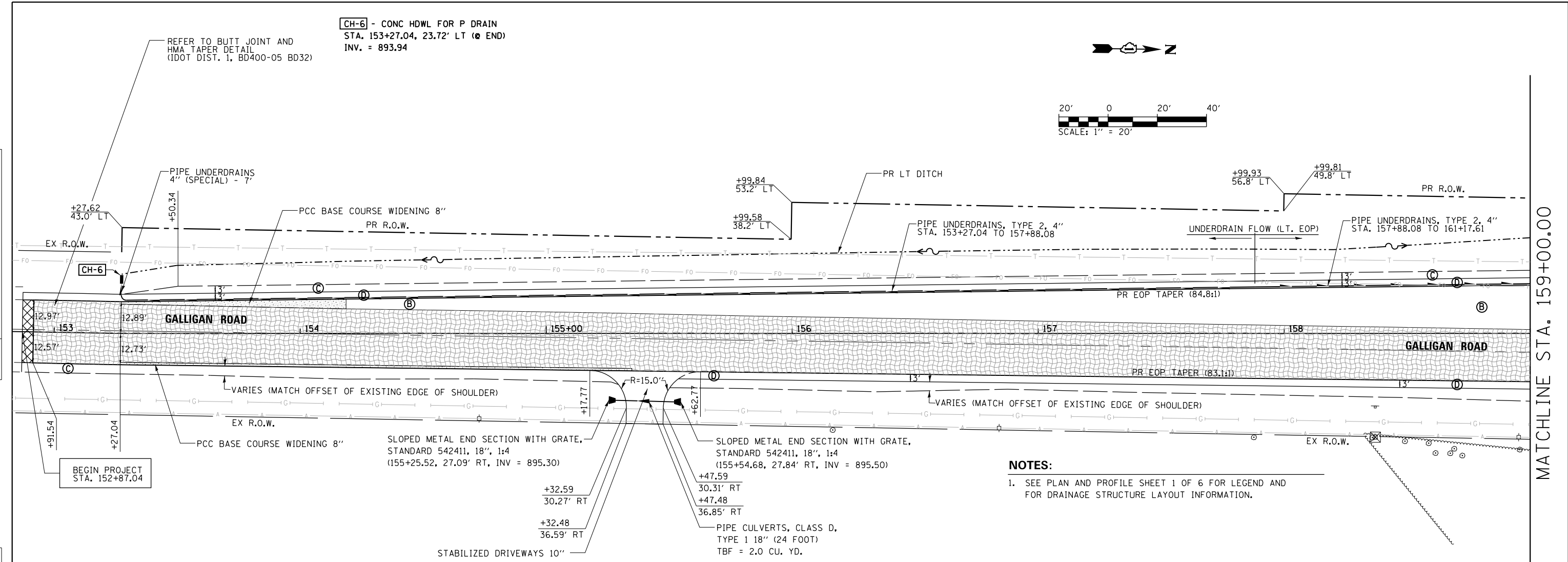
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED ROADWAY PLAN & PROFILE / DRAINAGE PLAN & PROFILE
HUNTLEY ROAD
 SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. 33+00.00 TO STA. 39+00.00

F.A.U. RT. E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	21
				CONTRACT NO. 63858
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

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	NOTE BOOK NO.		
	CADD FILE NAME		



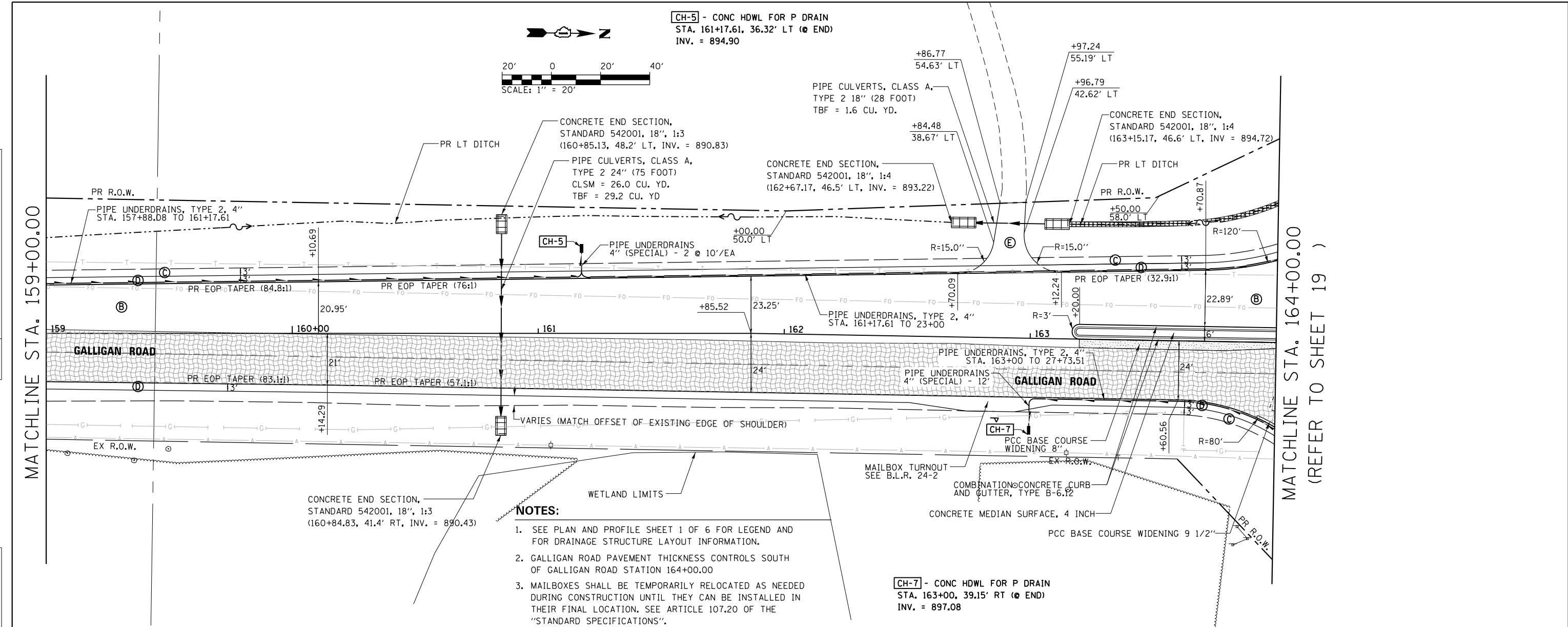
	USER NAME = Mike Moes	DESIGNED - JMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED ROADWAY PLAN & PROFILE / DRAINAGE PLAN & PROFILE GALLIGAN ROAD			F.A.U. RTE. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 22
	PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -		SCALE: 1" = 20'	SHEET NO. 5 OF 6 SHEETS	STA. 153+00.00 TO STA. 159+00.00	CONTRACT NO. 63858 ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/9/2018	DATE = 02/14/2018	REVISED -										

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MATCHLINE STA. 159+00.00

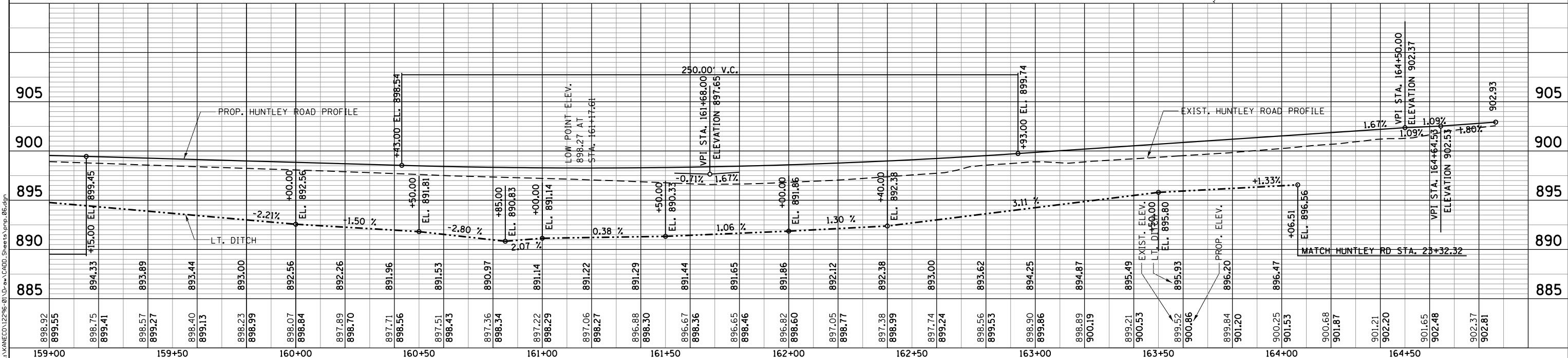
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



- NOTES:**
- SEE PLAN AND PROFILE SHEET 1 OF 6 FOR LEGEND AND FOR DRAINAGE STRUCTURE LAYOUT INFORMATION.
 - GALLIGAN ROAD PAVEMENT THICKNESS CONTROLS SOUTH OF GALLIGAN ROAD STATION 164+00.00
 - MAILBOXES SHALL BE TEMPORARILY RELOCATED AS NEEDED DURING CONSTRUCTION UNTIL THEY CAN BE INSTALLED IN THEIR FINAL LOCATION. SEE ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS".

CH-7 - CONC HDWL FOR P DRAIN
 STA. 163+00, 39.15' RT (@ END)
 INV. = 897.08



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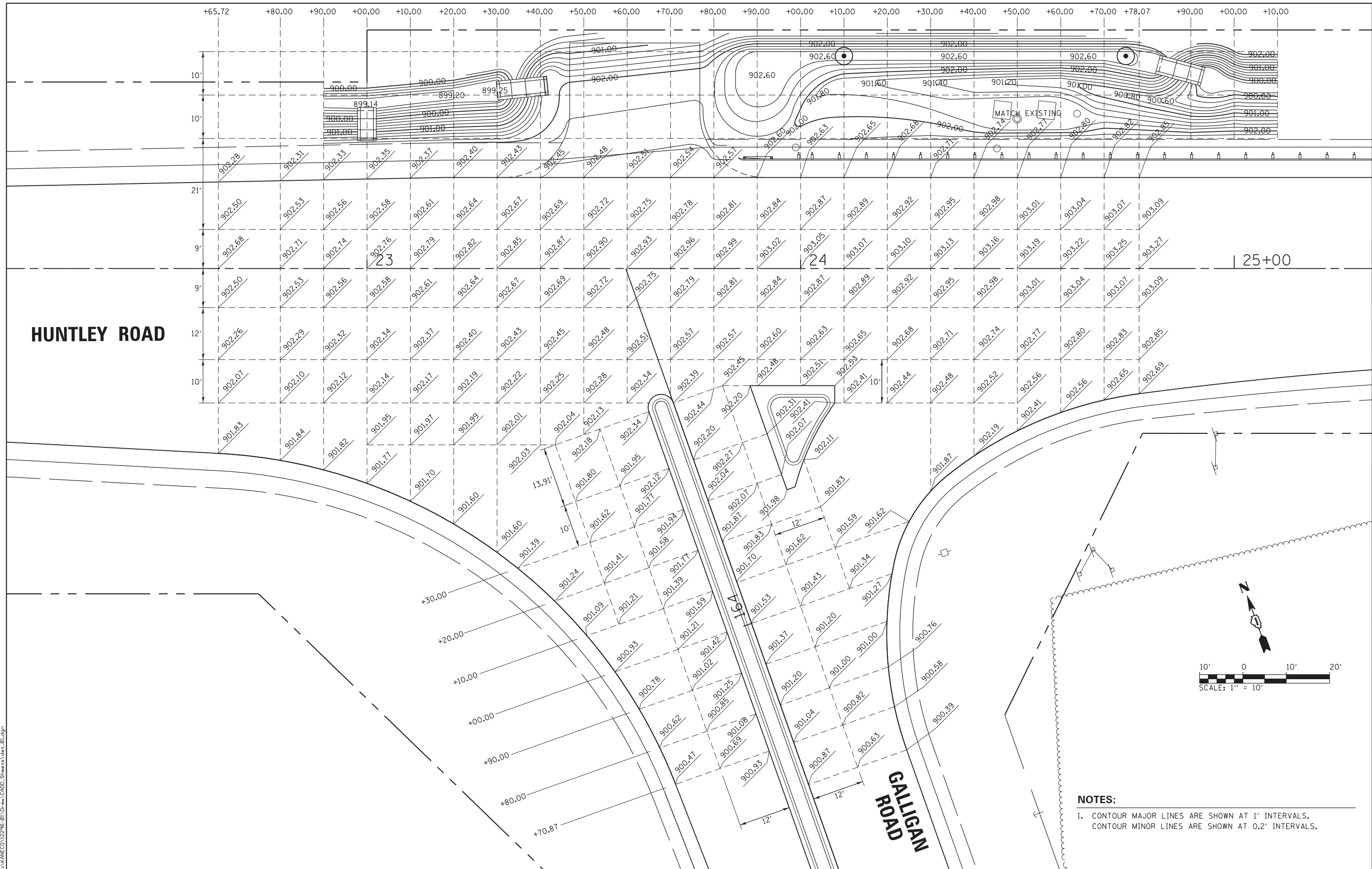


USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
	DRAWN - JMS	REVISED -
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PLOT DATE = 3/9/2018	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED ROADWAY PLAN & PROFILE / DRAINAGE PLAN & PROFILE			
GALLIGAN ROAD			
SCALE: 1" = 20'	SHEET NO. 6 OF 6 SHEETS	STA. 159+00.00 TO STA. 164+00.00	

F.A.U. R.E. 4066	SECTION 08-0012-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 23
CONTRACT NO. 63858				ILLINOIS FED. AID PROJECT



- NOTES:**
- CONTOUR MAJOR LINES ARE SHOWN AT 1' INTERVALS.
CONTOUR MINOR LINES ARE SHOWN AT 0.2' INTERVALS.

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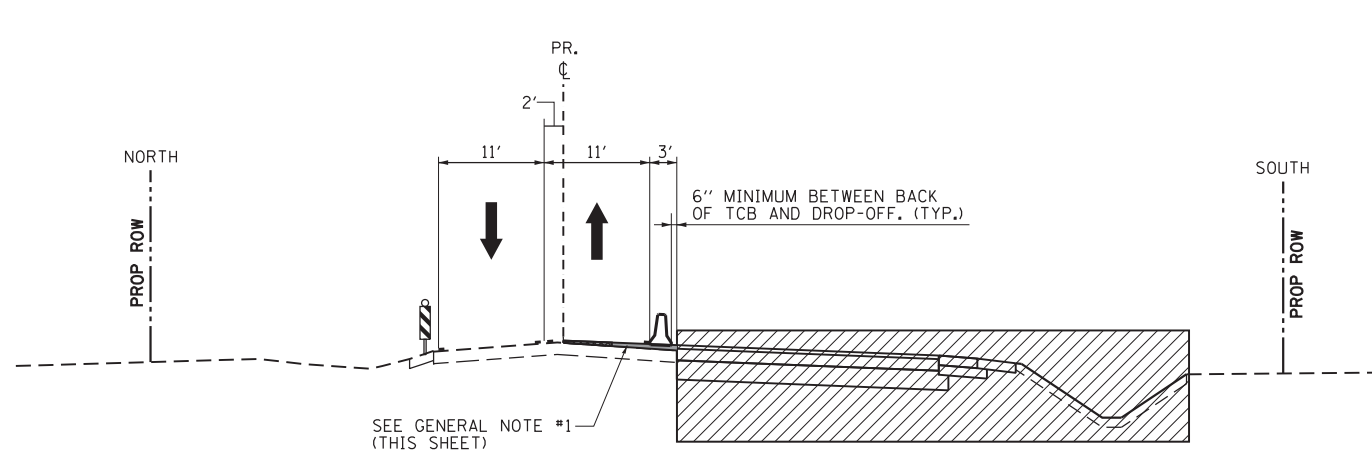
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

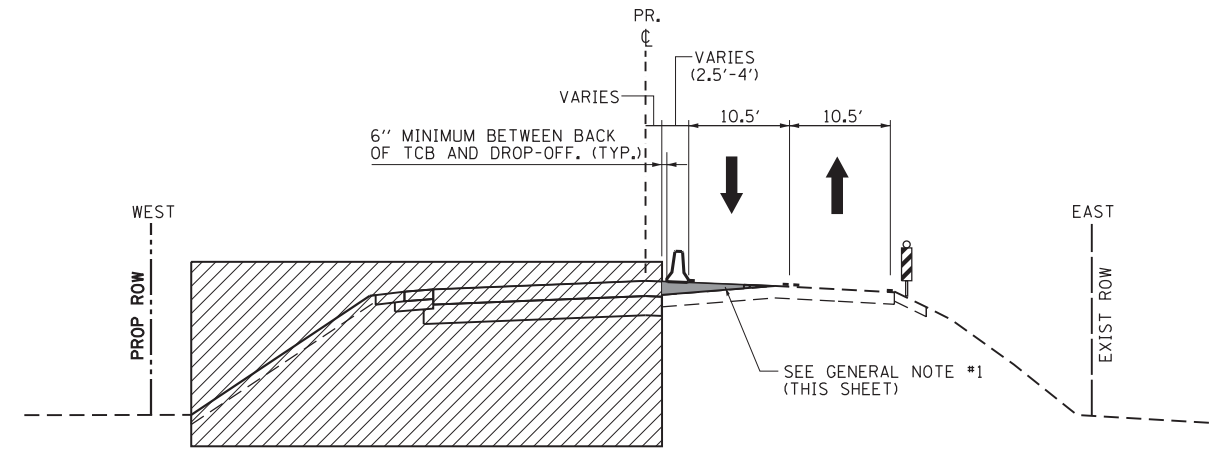
**INTERSECTION GRADING PLAN
HUNTLEY ROAD AND GALLIGAN ROAD**

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

F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	24
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



**STAGE 1 TYPICAL SECTION
HUNTLEY ROAD**



**STAGE 1 TYPICAL SECTION
GALLIGAN ROAD**

LEGEND

	DIRECTION OF TRAFFIC		DRUM WITH STEADY BURNING LIGHT
	WORK ZONE		TYPE II BARRICADE WITH EXTENDED LEGS WITH STEADY BURNING LIGHT
	BINDER PAVING WITHIN STAGE TRAVEL LANE		VERTICAL PANEL WITH STEADY BURN LIGHT
	LEVELING BINDER		TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
			TEMPORARY PAVEMENT MARKING LINE

GENERAL NOTE:

- BINDER COURSE PAVING REQUIRED IN STAGE TRAVEL LANE SHALL BE COMPLETED DURING OFF-PEAK PERIODS UTILIZING IDOT STANDARD 701201. BINDER COURSE SHALL BE PLACED OVER EXISTING MILLED PAVEMENT UNLESS MINIMUM REQUIRED LIFT THICKNESS DOES NOT ALLOW. LEVELING BINDER SHALL BE PLACED IN LIEU OF BINDER COURSE WHEN MINIMUM REQUIRED LIFT THICKNESS CANNOT BE MET.

PRE-STAGE

MAINTENANCE OF TRAFFIC

- HUNTLEY ROAD:
 - MAINTAIN EXISTING TRAFFIC CONFIGURATION. STANDARD LANE CLOSURES SHALL BE UTILIZED WHEN NECESSARY AND APPROVED BY THE ENGINEER.
- GALLIGAN ROAD:
 - MAINTAIN EXISTING TRAFFIC CONFIGURATION. STANDARD LANE CLOSURES SHALL BE UTILIZED WHEN NECESSARY AND APPROVED BY THE ENGINEER.

ROADWAY CONSTRUCTION STAGING

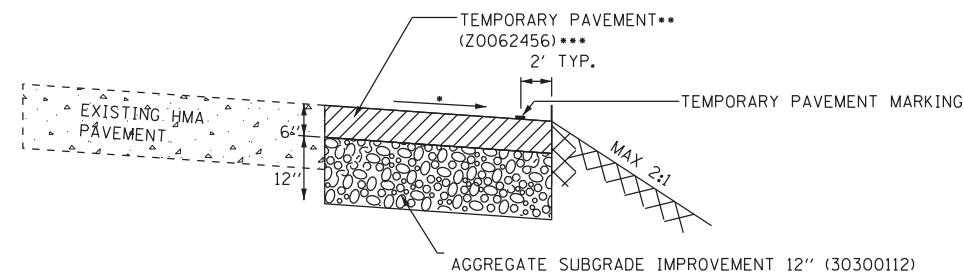
- HUNTLEY ROAD:
 - MILL EXISTING PAVEMENT.
 - CONSTRUCT PROPOSED CULVERT CROSSINGS AT STATION 23+34 AND 33+70. MAINTAIN POSITIVE DRAINAGE THROUGH NEW CULVERTS THROUGHOUT CONSTRUCTION.
 - CONSTRUCT TEMPORARY PAVEMENT WIDENING.
- GALLIGAN ROAD:
 - MILL EXISTING PAVEMENT.
 - CONSTRUCT PROPOSED CULVERT CROSSING AT STATION 160+85. MAINTAIN POSITIVE DRAINAGE THROUGH NEW CULVERT THROUGHOUT CONSTRUCTION.
 - CONSTRUCT TEMPORARY PAVEMENT WIDENING.

STAGE NOTES

- ALL OPEN CUT STORM SEWER CROSSINGS SHALL OCCUR DURING OFF PEAK PERIODS.
- ALL MILLING OPERATIONS SHALL BE COMPLETED DURING OFF PEAK PERIODS.

APPLICABLE STANDARDS

- IDOT STANDARD 701201 SHALL BE UTILIZED FOR ALL TEMPORARY LANE CLOSURES REQUIRED TO CONSTRUCT PROPOSED STORM SEWER THAT CROSSES EXISTING ROADWAYS.
- IDOT STANDARD 701306 SHALL BE UTILIZED FOR ALL TEMPORARY LANE CLOSURES REQUIRED TO COMPLETE MILLING OPERATIONS.



TEMPORARY PAVEMENT DETAIL

- THE TEMPORARY PAVEMENT SHALL MATCH THE ADJACENT PROPOSED PAVEMENT SLOPE.
- TEMPORARY PAVEMENT MIX SHALL BE HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, OR PCC PAVEMENT IN ACCORDANCE WITH SECTIONS 353 AND 354 OF THE STANDARD SPECS.
- REMOVAL OF THE TEMPORARY PAVEMENT NO LONGER IN USE SHALL BE PAID AS PAVEMENT REMOVAL (44000100).

STAGE 1

MAINTENANCE OF TRAFFIC

- HUNTLEY ROAD:
 - REDUCE LANE WIDTHS AND SHIFT TRAFFIC TO THE NORTH.
- GALLIGAN ROAD:
 - REDUCE LANE WIDTHS AND SHIFT TRAFFIC TO THE EAST.

ROADWAY CONSTRUCTION STAGING

- HUNTLEY ROAD:
 - SAW CUT 1' INSIDE EXISTING SOUTH EDGE OF PAVEMENT.
 - CONSTRUCT PROPOSED PAVEMENT WIDENING AND SHOULDERS TO BINDER COURSE ELEVATIONS ON THE SOUTH SIDE OF PROPOSED CENTERLINE. IN AREAS WHERE PAVING IS REQUIRED IN THE EASTBOUND TRAVEL LANE, STANDARD LANE CLOSURES SHALL BE UTILIZED WHEN APPROVED BY THE ENGINEER.
- GALLIGAN ROAD:
 - SAW CUT 1' INSIDE EXISTING WEST EDGE OF PAVEMENT OR 1' INSIDE THE EAST FACE OF CURB FOR THE PROPOSED CENTER MEDIAN (WHICHEVER IS CLOSER TO EXISTING CENTERLINE).
 - CONSTRUCT PROPOSED CENTER MEDIAN.
 - CONSTRUCT PROPOSED PAVEMENT WIDENING AND SHOULDERS TO BINDER COURSE ELEVATIONS ON THE WEST SIDE OF THE EXISTING ROADWAY CROWN. IN AREAS WHERE PAVING IS REQUIRED IN THE SOUTHBOUND TRAVEL LANE, STANDARD LANE CLOSURES SHALL BE UTILIZED WHEN APPROVED BY THE ENGINEER.
 - CONSTRUCT PROPOSED DITCHES ALONG THE WEST SIDE OF THE ROADWAY.

STAGE NOTES

- ACCESS SHALL BE MAINTAINED TO IMPACTED DRIVEWAYS THROUGHOUT CONSTRUCTION. IF AT ANY TIME DURING CONSTRUCTION, DRIVEWAY ACCESS REQUIRES TEMPORARY CLOSURE, THE CONTRACTOR SHALL COORDINATE WITH THE LANDOWNER AND GET APPROVAL FROM THE ENGINEER.
- TEMPORARY CONCRETE BARRIER AND TEMPORARY ATTENUATORS HAVE BEEN PROVIDED TO MEET IDOT DROP OFF CRITERIA. IT IS ANTICIPATED THAT THIS WILL BE INSTALLED AFTER THE PAVEMENT HAS BEEN SAW-CUT, AND REMOVED PRIOR TO BINDER COURSE PLACEMENT ON EXISTING PAVEMENTS.

APPLICABLE STANDARDS

- IDOT STANDARD 701201 SHALL BE UTILIZED FOR PAVING OPERATIONS THAT ARE REQUIRED WITHIN STAGE 1 TRAVEL LANES. LANE CLOSURES SHALL ONLY BE USED DURING OFF-PEAK PERIODS. LANE CLOSURES SHALL NOT OCCUR CONCURRENTLY ON HUNTLEY ROAD AND GALLIGAN ROAD. LANE CLOSURES REQUIRED FOR PROPOSED PAVEMENT WIDENING AND SHOULDER WORK SHALL BE ACCORDING TO IDOT STANDARD 701326.

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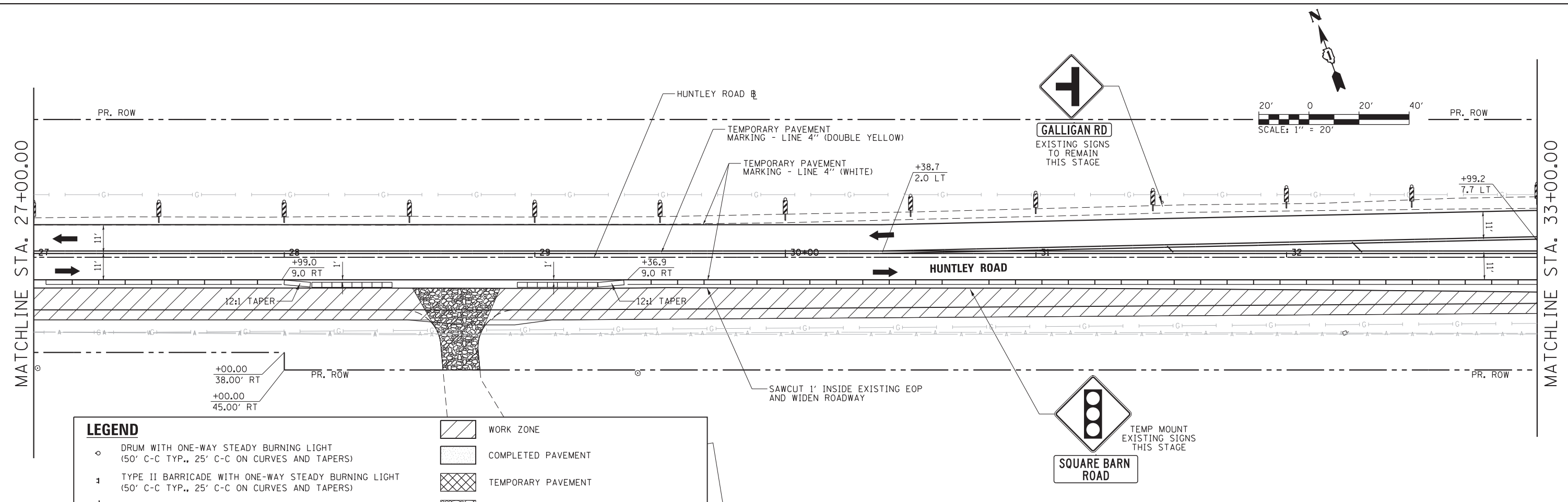
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PLOT DATE = 2/13/2018	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
PRE-STAGE & STAGE 1**

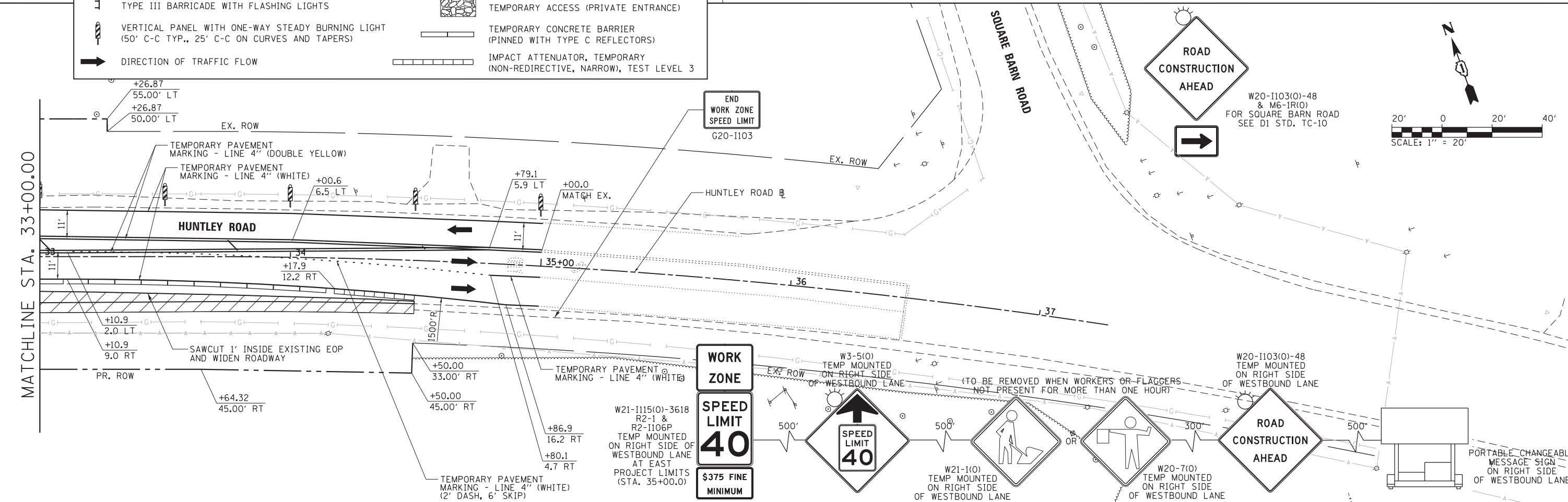
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	25
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



LEGEND

	DRUM WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		WORK ZONE
	TYPE II BARRICADE WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		COMPLETED PAVEMENT
	TYPE III BARRICADE WITH FLASHING LIGHTS		TEMPORARY PAVEMENT
	VERTICAL PANEL WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		TEMPORARY ACCESS (PRIVATE ENTRANCE)
	DIRECTION OF TRAFFIC FLOW		TEMPORARY CONCRETE BARRIER (PINNED WITH TYPE C REFLECTORS)
			IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3



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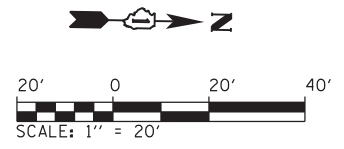
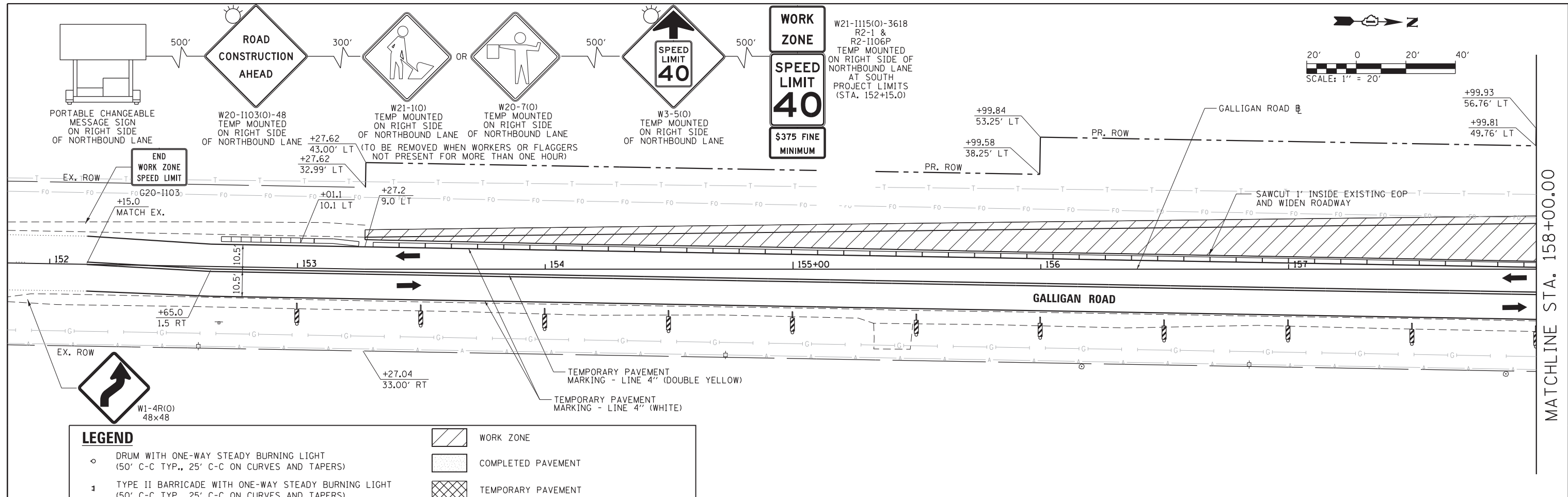
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PLOT DATE = 2/13/2018	CHECKED - KDF	REVISED -
	DATE - 02/14/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN - STAGE 1
HUNTLEY ROAD

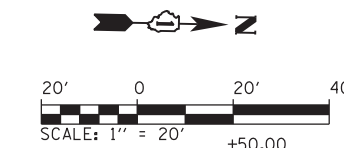
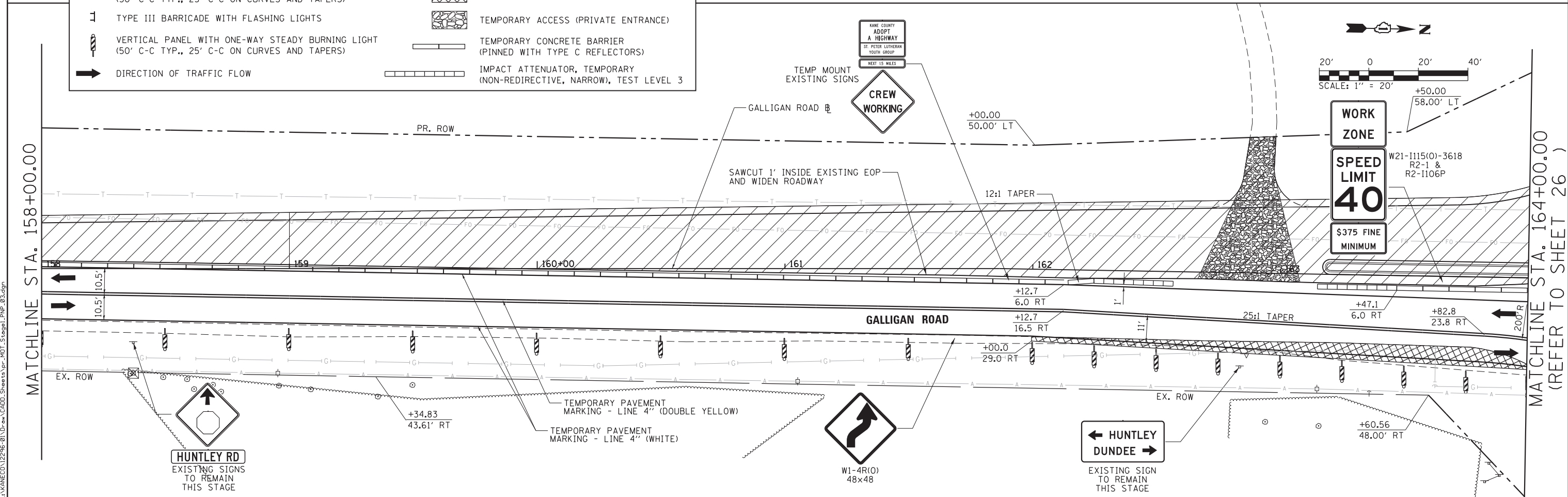
SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 27+00.00 TO STA. 39+00.00

F.A.U. RTE. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 27
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



LEGEND

	DRUM WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		WORK ZONE
	TYPE II BARRICADE WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		COMPLETED PAVEMENT
	TYPE III BARRICADE WITH FLASHING LIGHTS		TEMPORARY PAVEMENT
	VERTICAL PANEL WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		TEMPORARY ACCESS (PRIVATE ENTRANCE)
	DIRECTION OF TRAFFIC FLOW		TEMPORARY CONCRETE BARRIER (PINNED WITH TYPE C REFLECTORS)
			IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3



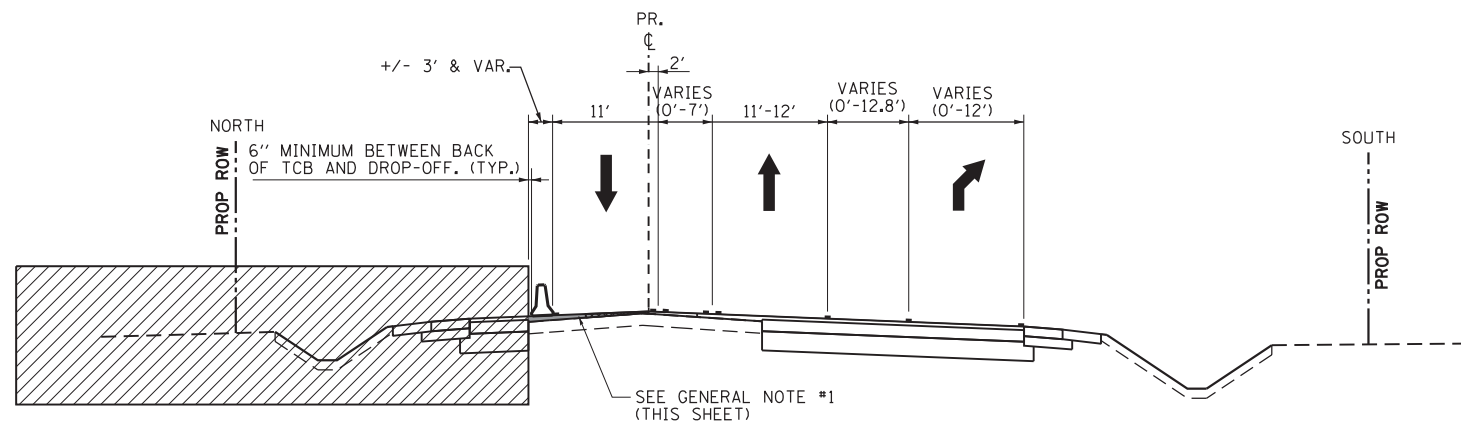
	USER NAME = Mike Moe	DESIGNED - JMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN - STAGE 1 GALLIGAN ROAD	F.A.U. RTE. 4066	SECTION 08-0012-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 28
	PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -			SCALE: 1" = 20'	SHEET NO. 3 OF 3 SHEETS	STA. 152+00.00 TO STA. 164+00.00	CONTRACT NO. 63858	
PLOT DATE = 2/13/2018	DATE = 02/14/2018	REVISED -	REVISED -							

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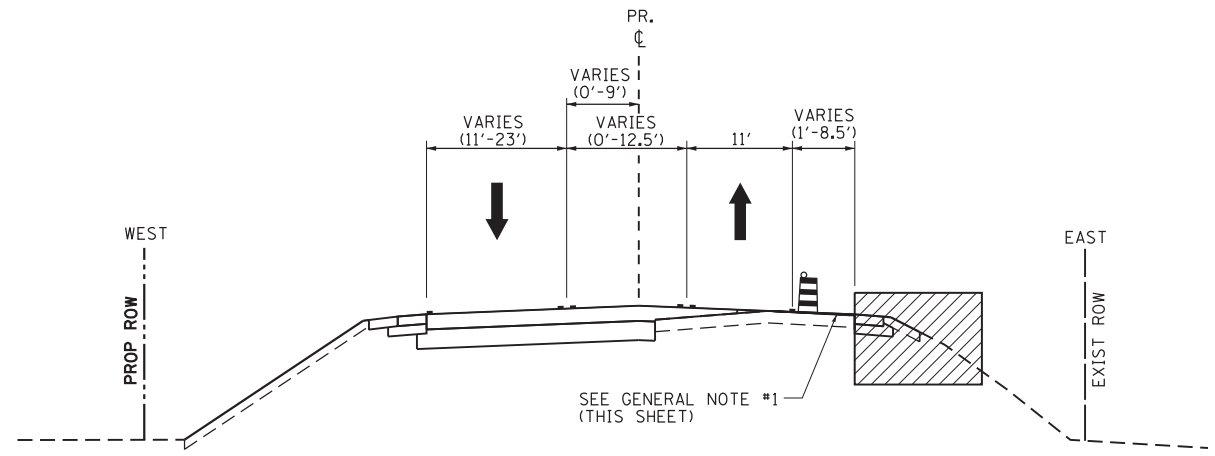
MATCHLINE STA. 158+00.00

MATCHLINE STA. 158+00.00

MATCHLINE STA. 164+00.00 (REFER TO SHEET 26)



**STAGE 2 TYPICAL SECTION
HUNTLEY ROAD**



**STAGE 2 TYPICAL SECTION
GALLIGAN ROAD**

STAGE 2

MAINTENANCE OF TRAFFIC

1. HUNTLEY ROAD:
 - A. MAINTAIN WESTBOUND TRAFFIC IN EXISTING CONFIGURATION.
 - B. SHIFT THE EASTBOUND LANE ONTO THE RECENTLY CONSTRUCTED EASTBOUND PAVEMENT. EASTBOUND LANE SHALL BE MAINTAINED IN FINAL LOCATION WITH TEMPORARY STRIPING.
 - C. OPEN EASTBOUND RIGHT TURN LANE ON THE RECENTLY CONSTRUCTED EASTBOUND PAVEMENT. EASTBOUND RIGHT TURN LANE SHALL BE MAINTAINED IN FINAL LOCATION WITH TEMPORARY STRIPING.
2. GALLIGAN ROAD:
 - A. SHIFT THE SOUTHBOUND LANE ONTO THE RECENTLY CONSTRUCTED SOUTHBOUND PAVEMENT. SOUTHBOUND LANE SHALL BE MAINTAINED IN FINAL LOCATION WITH TEMPORARY STRIPING.
 - B. SHIFT THE NORTHBOUND LANE TO THE WEST.

ROADWAY CONSTRUCTION STAGING

1. HUNTLEY ROAD:
 - A. SAW CUT 1' INSIDE EXISTING NORTH EDGE OF PAVEMENT.
 - B. CONSTRUCT PROPOSED PAVEMENT WIDENING TO BINDER COURSE ELEVATIONS ON THE NORTH SIDE OF PROPOSED CENTERLINE. IN AREAS WHERE PAVING IS REQUIRED IN THE WESTBOUND TRAVEL LANE, STANDARD LANE CLOSURES SHALL BE UTILIZED WHEN APPROVED BY THE ENGINEER.
 - C. CONSTRUCT PROPOSED DITCHES ALONG THE NORTH SIDE OF THE ROADWAY.
 - D. INSTALL PROPOSED GUARDRAIL ALONG THE NORTH SIDE OF THE ROADWAY.
2. GALLIGAN ROAD:
 - A. SAW CUT 1' INSIDE EXISTING EAST EDGE OF PAVEMENT OR AT THE PROPOSED EAST EDGE OF PAVEMENT (WHICHEVER IS CLOSER TO EXISTING CENTERLINE).
 - B. CONSTRUCT PROPOSED SHOULDERS TO BINDER COURSE ELEVATIONS ON THE EAST SIDE OF THE ROADWAY. IN AREAS WHERE PAVING IS REQUIRED IN THE NORTHBOUND TRAVEL LANE, STANDARD LANE CLOSURES SHALL BE UTILIZED WHEN APPROVED BY THE ENGINEER.
 - C. SAW CUT 1' INSIDE FACE OF CURB OF PROPOSED ISLAND SEPARATING NORTHBOUND LANE FROM THE NORTHBOUND RIGHT TURN LANE.
 - D. CONSTRUCT PROPOSED ISLAND.

STAGE NOTES

1. ACCESS SHALL BE MAINTAINED TO IMPACTED DRIVEWAYS THROUGHOUT CONSTRUCTION. IF AT ANY TIME DURING CONSTRUCTION, DRIVEWAY ACCESS REQUIRES TEMPORARY CLOSURE, THE CONTRACTOR SHALL COORDINATE WITH THE LANDOWNER AND GET APPROVAL FROM THE ENGINEER.
2. TEMPORARY CONCRETE BARRIER AND TEMPORARY ATTENUATORS HAVE BEEN PROVIDED TO MEET IDOT DROP OFF CRITERIA. IT IS ANTICIPATED THAT THIS WILL BE INSTALLED AFTER THE PAVEMENT HAS BEEN SAW-CUT, AND REMOVED PRIOR TO BINDER COURSE PLACEMENT ON EXISTING PAVEMENTS.

APPLICABLE STANDARDS

1. IDOT STANDARD 701201 SHALL BE UTILIZED FOR PAVING OPERATIONS THAT ARE REQUIRED WITHIN STAGE 2 AND 3 TRAVEL LANES. LANES CLOSURES SHALL ONLY BE USED DURING OFF-PEAK PERIODS. LANE CLOSURES SHALL NOT OCCUR CONCURRENTLY ON HUNTLEY ROAD AND GALLIGAN ROAD. LANE CLOSURES REQUIRED FOR PROPOSED PAVEMENT WIDENING AND SHOULDER WORK SHALL BE ACCORDING TO IDOT STANDARD 701326.

LEGEND

	DIRECTION OF TRAFFIC		DRUM WITH STEADY BURNING LIGHT
	WORK ZONE		TYPE II BARRICADE WITH EXTENDED LEGS WITH STEADY BURNING LIGHT
	BINDER PAVING WITHIN STAGE TRAVEL LANE		VERTICAL PANEL WITH STEADY BURN LIGHT
	LEVELING BINDER		TEMPORARY CONCRETE BARRIER WITH TYPE C REFLECTORS
			TEMPORARY PAVEMENT MARKING LINE

GENERAL NOTE:

1. BINDER COURSE PAVING REQUIRED IN STAGE TRAVEL LANE SHALL BE COMPLETED DURING OFF-PEAK PERIODS UTILIZING IDOT STANDARD 701201. BINDER COURSE SHALL BE PLACED OVER EXISTING MILLED PAVEMENT UNLESS MINIMUM REQUIRED LIFT THICKNESS DOES NOT ALLOW. LEVELING BINDER SHALL BE PLACED IN LIEU OF BINDER COURSE WHEN MINIMUM REQUIRED LIFT THICKNESS CANNOT BE MET.

STAGE 3

MAINTENANCE OF TRAFFIC

1. ALL TRAFFIC SHALL BE SHIFTED INTO FINAL LOCATION. SHORT-TERM PAVEMENT MARKING SHALL BE USED WHERE APPROVED BY THE ENGINEER.

ROADWAY CONSTRUCTION STAGING

1. COMPLETE FINAL SURFACE COURSE, AGGREGATE SHOULDERS, AND STRIPING THROUGHOUT THE PROJECT.

APPLICABLE STANDARDS

1. IDOT STANDARD 701201 SHALL BE UTILIZED FOR TEMPORARY LANE CLOSURES REQUIRED TO COMPLETE HMA SURFACE COURSE WORK.
2. IDOT STANDARD 701311 SHALL BE UTILIZED FOR ALL TEMPORARY LANE CLOSURES REQUIRED TO COMPLETE PAVEMENT MARKING OPERATIONS.

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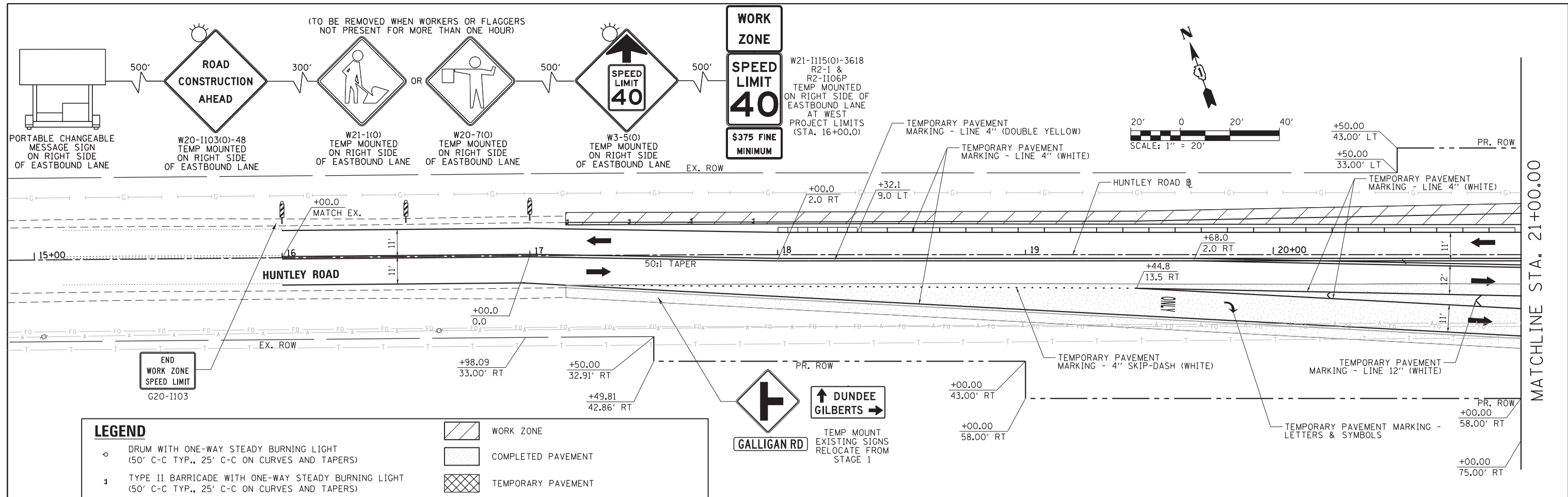


USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
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PLOT SCALE = 100.0000' / 1in.	CHECKED - KDF	REVISED -
PLOT DATE = 2/13/2018	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

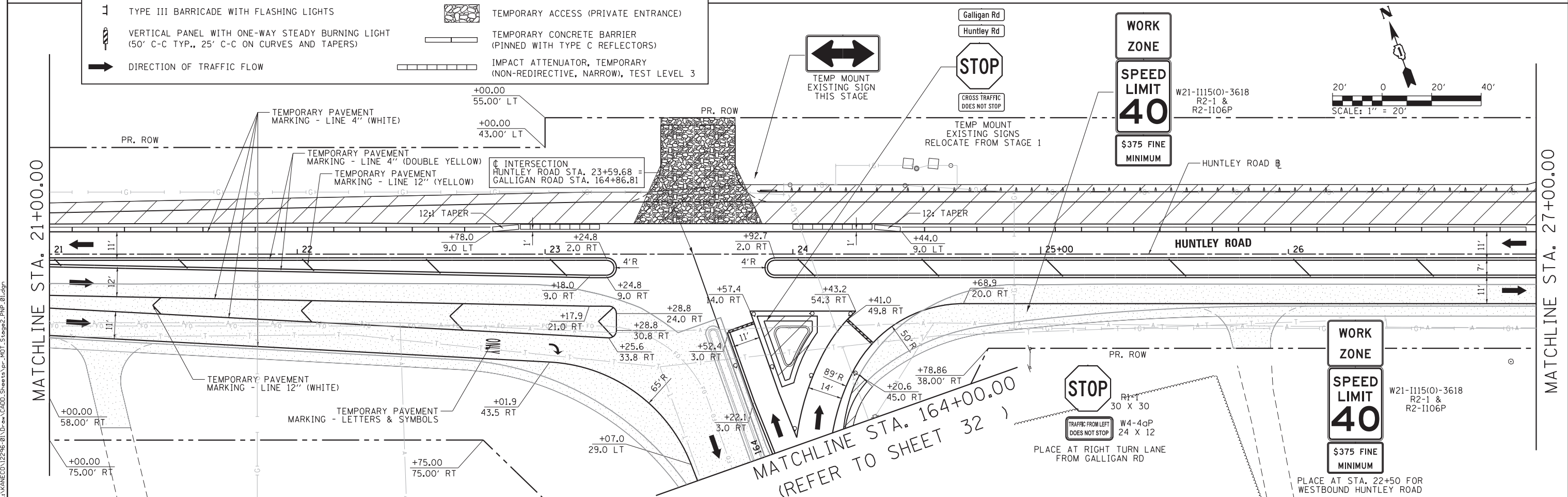
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS			
STAGE 2 & 3			
SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	29
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



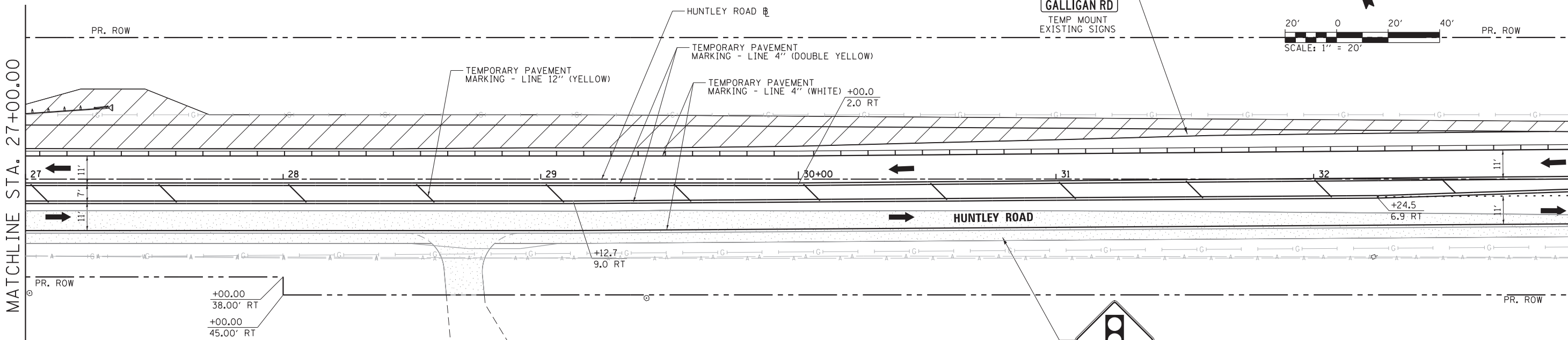
LEGEND

	DRUM WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		WORK ZONE
	TYPE II BARRICADE WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		COMPLETED PAVEMENT
	TYPE III BARRICADE WITH FLASHING LIGHTS		TEMPORARY PAVEMENT
	VERTICAL PANEL WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		TEMPORARY ACCESS (PRIVATE ENTRANCE)
	DIRECTION OF TRAFFIC FLOW		TEMPORARY CONCRETE BARRIER (PINNED WITH TYPE C REFLECTORS)
			IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3



MATCHLINE STA. 27+00.00

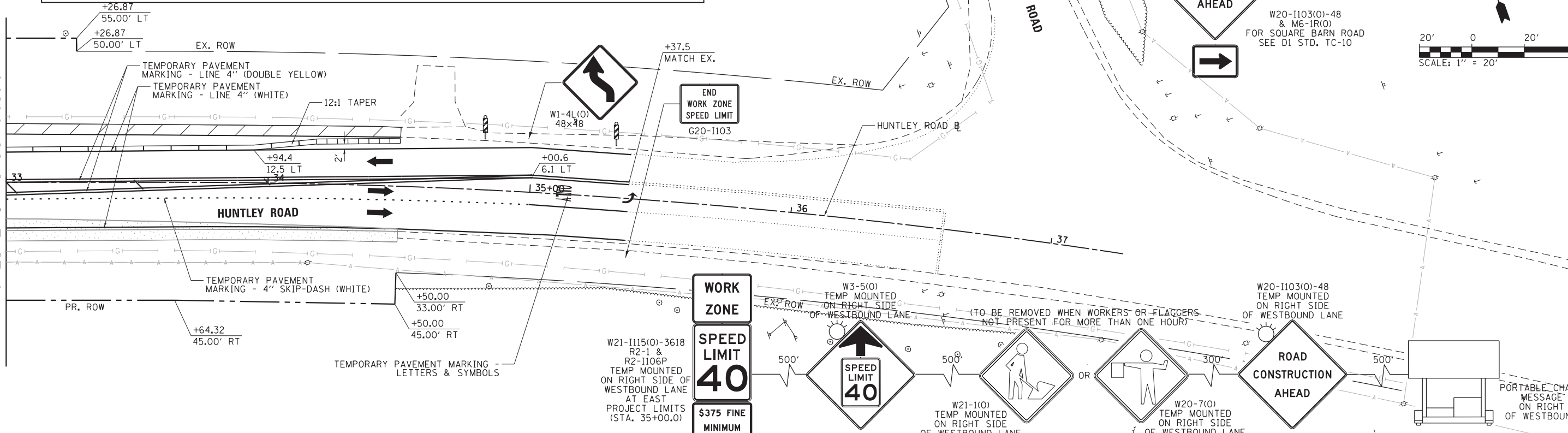
MATCHLINE STA. 33+00.00



LEGEND

- DRUM WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)
- ⊥ TYPE II BARRICADE WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▬ VERTICAL PANEL WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)
- ➔ DIRECTION OF TRAFFIC FLOW
- ▨ WORK ZONE
- ▭ COMPLETED PAVEMENT
- ▩ TEMPORARY PAVEMENT
- ▩ TEMPORARY ACCESS (PRIVATE ENTRANCE)
- ▬ TEMPORARY CONCRETE BARRIER (PINNED WITH TYPE C REFLECTORS)
- ▬ IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3

MATCHLINE STA. 33+00.00



WORK ZONE

SPEED LIMIT 40

\$375 FINE MINIMUM

W21-1115(0)-3618
R2-1 & R2-1106P
TEMP MOUNTED ON RIGHT SIDE OF WESTBOUND LANE AT EAST PROJECT LIMITS (STA. 35+00.0)

W3-5(0)
TEMP MOUNTED ON RIGHT SIDE OF WESTBOUND LANE

(TO BE REMOVED WHEN WORKERS OR FLAGGERS NOT PRESENT FOR MORE THAN ONE HOUR)

W21-1(0)
TEMP MOUNTED ON RIGHT SIDE OF WESTBOUND LANE

W20-7(0)
TEMP MOUNTED ON RIGHT SIDE OF WESTBOUND LANE

W20-1103(0)-48
TEMP MOUNTED ON RIGHT SIDE OF WESTBOUND LANE

PORTABLE CHANGEABLE MESSAGE SIGN ON RIGHT SIDE OF WESTBOUND LANE



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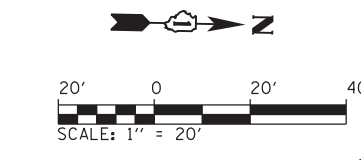
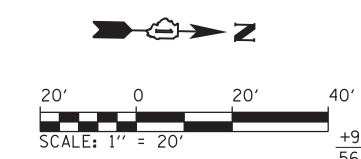
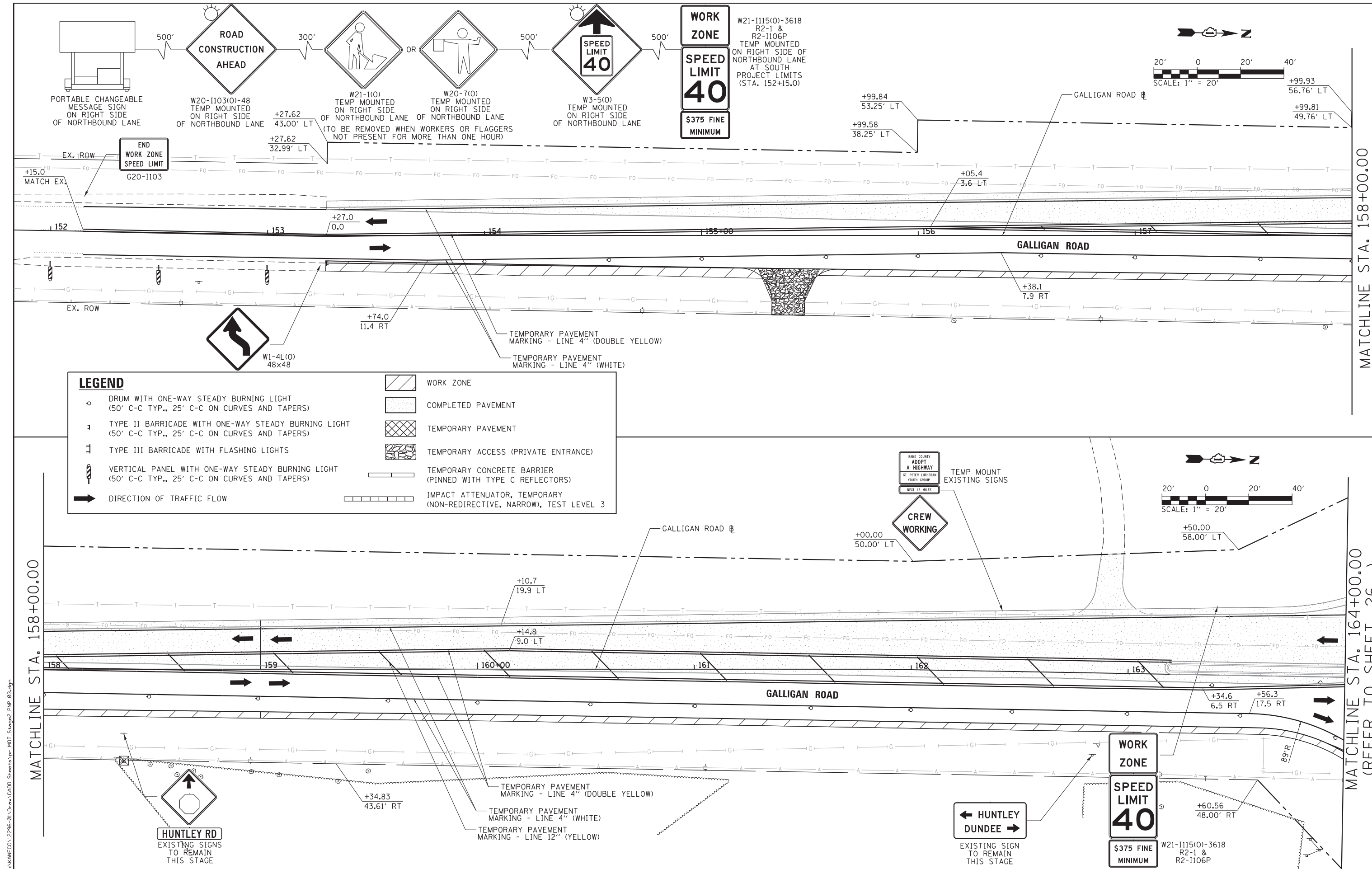
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN - STAGE 2
HUNTLEY ROAD

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 27+00.00 TO STA. 39+00.00

F.A.U. RTE. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 31
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

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LEGEND

	DRUM WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		WORK ZONE
	TYPE II BARRICADE WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		COMPLETED PAVEMENT
	TYPE III BARRICADE WITH FLASHING LIGHTS		TEMPORARY PAVEMENT
	VERTICAL PANEL WITH ONE-WAY STEADY BURNING LIGHT (50' C-C TYP., 25' C-C ON CURVES AND TAPERS)		TEMPORARY ACCESS (PRIVATE ENTRANCE)
	DIRECTION OF TRAFFIC FLOW		TEMPORARY CONCRETE BARRIER (PINNED WITH TYPE C REFLECTORS)
	IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3		

MATCHLINE STA. 158+00.00

MATCHLINE STA. 164+00.00 (REFER TO SHEET 26)

FILE NAME = I:\KANECD\12296-01\Drawn\CA00D_Sheets\pr_MOTI_Stage2_RMP_03.dgn



USER NAME = Mike Moe	DESIGNED - JMS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JMS	REVISED -
PLOT DATE = 2/13/2018	CHECKED - KDF	REVISED -
	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - STAGE 2
GALLIGAN ROAD**

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 152+00.00 TO STA. 164+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-0012-00-CH	KANE	93	32
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES. TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

SECTION 280, TEMPORARY EROSION CONTROL, OF THE "STANDARD SPECIFICATIONS" ADDITIONALLY SUPPLEMENTS THIS PLAN.

SITE DESCRIPTION:

THE SITE IS CURRENTLY A UNDIVIDED TWO LANE BITUMINOUS ROADWAY WITHOUT CHANNELIZED TURN LANES. HUNTLEY ROAD WITHIN THE PROJECT LIMITS MOSTLY INCLUDES AGGREGATE SHOULDER WITH AN OPEN DRAINAGE SYSTEM. GALLIGAN ROAD WITHIN THE PROJECT LIMITS MOSTLY INCLUDES AGGREGATE SHOULDER WITH AN OPEN DRAINAGE SYSTEM. THE PROJECT AREA IS MOSTLY RURAL.

DESCRIPTION OF CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF WIDENING HUNTLEY ROAD AND GALLIGAN ROAD TO PROVIDE TURN LANE CHANNELIZATION AT THE INTERSECTION.

CONSTRUCTION INCLUDES EARTH EXCAVATION, EMBANKMENT, CULVERTS, FLARED END SECTIONS, VARIOUS PAVEMENT ITEMS, LANDSCAPING AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

INSTALL EROSION & SEDIMENT CONTROL MEASURES

TREES TO REMAIN WILL BE PROTECTED AGAINST DAMAGE.

EXCAVATION AND EMBANKMENT WILL BE COMPLETED ALONG THE JOB SITE FOR GRADING THE PROPOSED ROADWAY AND CONSTRUCTION OF EMBANKMENT AND DITCHES.

PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL, SUCH AS PERIMETER EROSION CONTROL BARRIER, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, TEMPORARY SEEDING, ECT.

PAVEMENT SUBBASE AND SURFACING CONSTRUCTION WORK.

FINAL GRADING, LANDSCAPING, AND OTHER MISCELLANEOUS ITEMS.

PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING, MULCH OR EROSION CONTROL BLANKET, STABILIZING BLANKET, RIPRAP, ETC.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 6.31 ACRES OF WHICH 5.34 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

INFORMATION OF THE SOIL AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS FOR THE ROADWAY PROJECT AND THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.

PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS AND PLAN DRAWINGS WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

STORM SEWER OUTLETS TO THE WETLAND AND DETENTION AREA SOUTHEAST OF THE HUNTLEY AND GALLIGAN INTERSECTION

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, EROSION CONTROL BLANKET, AND EROSION CONTROL BLOCKING, PROTECTION OF TREES, PRESERVATION OF NATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN FOURTEEN DAYS. THIS WORK SHALL BE PAID FOR AT THE UNIT PRICE FOR TEMPORARY EROSION CONTROL SEEDING.

AREAS WHICH ARE HIGHLY ERODABLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN CONSTRUCTION ACTIVITIES ARE NOT EXPECTED WITHIN SEVEN DAYS. THIS WORK SHALL BE PAID FOR AT THE UNIT PRICE FOR TEMPORARY EROSION CONTROL SEEDING.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND AS DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN SEVEN (7) DAYS.

THE DOWN STREAM SIDE OF ALL STOCKPILES SHALL BE ENCOMPASSED WITH EROSION CONTROL BARRIER.

AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:

- a.) PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
- b.) TEMPORARILY SEED ERODABLE BARE EARTH PER IDOT STANDARD SPECIFICATIONS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
- c.) CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED OR IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN (7) DAYS.

CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT LOCATIONS DETERMINED BY THE ENGINEER. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OF OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

THE CONTRACTOR SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING ANY WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONTRACTOR ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER.

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED.

ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEDED OR SODDED.

MAINTENANCE AFTER CONSTRUCTION:

CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY THE ENGINEER. MAINTENANCE OF TEMPORARY AND PERMANENT EROSION CONTROL SYSTEMS UP TO THIS DATE WILL BE BY THE CONTRACTOR. THE MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS IS INCLUDED WITH THE PAY ITEM "MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS". MAINTENANCE OF THE PERMANENT EROSION CONTROL MEASURES ARE INCLUDED IN THE BID PRICE FOR VARIOUS PERMANENT EROSION CONTROL PAY ITEMS.

DOCUMENTATION:

PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL COMPLETE AND SUBMIT A "NOTICE OF INTENT (NOI)" PROPERLY SIGNED TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.

THROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN AND UPDATE AN "AS BUILT" SET OF EROSION AND SEDIMENTATION CONTROL PLANS IN THE PROJECT FILES, WHICH SHALL BE RETAINED FOR THREE YEARS AFTER COMPLETION OF CONSTRUCTION.

A REPORT (FORM BC 2259) SUMMARIZING THE SCOPE OF AN INSPECTION; NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION; DATE OF THE INSPECTION; MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORMWATER POLLUTION PREVENTION PLAN; AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION 4. B., SHALL BE MADE AND RETAINED AS A PART OF THE PLAN FOR AT LEAST THREE YEARS AFTER THE DATE OF INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G. OF THE GENERAL PERMIT.

IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE CONTRACTOR SHALL COMPLETE AND FILE AN "INCIDENT OF NONCOMPLIANCE (ION)" REPORT FOR THE IDENTIFIED VIOLATION. THE CONTRACTOR SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, AND SHALL INCLUDE SPECIFIC INFORMATION ON THE INCIDENT THAT CAUSED NONCOMPLIANCE, ACTIONS THAT WERE TAKEN TO CORRECT THE NONCOMPLIANCE AND TO PREVENT ITS' REOCCURENCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G. OF THE GENERAL PERMIT.

AFTER PROJECT FINAL ACCEPTANCE, THE CONTRACTOR SHALL COMPLETE AND SUBMIT A "NOTICE OF TERMINATION (NOT)" FORM PROPERLY SIGNED TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY. FORMS FOR THE IEPA SHALL BE MAILED TO THE FOLLOWING ADDRESS:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: PERMIT SECTION
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

FILE NAME = L:\XANECO\12296-01\Drawings\SWPPPP\pr_SWPPPP_01.dgn



USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
	DRAWN - JMS	REVISED -
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PLOT DATE = 2/13/2018	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NOTES			
HUNTLEY ROAD AT GALLIGAN ROAD			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-0012-00-CH	KANE	93	33
				CONTRACT NO. 63858
ILLINOIS FED. AID PROJECT				

KANE DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) NOTES:

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.
2. THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
4. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW BY THE KDSWCD.
5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
6. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUBCONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

GENERAL NOTES FOR SOIL EROSION AND SEDIMENT CONTROL:

1. ALL TREE PROTECTION, SEDIMENT CONTROL MEASURES, AND PERMANENT AND TEMPORARY STORMWATER PRACTICES SHALL BE IN PLACE PRIOR TO STARTING CONSTRUCTION.
2. NO WORK SHALL BE PERFORMED IN FLOWING WATER, WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW AT ALL TIMES.
3. CONSTRUCTION MATERIALS AND/OR THE OTHER STOCKPILES SHALL NOT BE LOCATED ON STREAM BANKS OR IN THE PATH OF THE STREAM FLOW.
4. TEMPORARY EROSION CONTROL DEVICES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
5. PERMANENT SEEDING SHALL BE USED WHENEVER POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG GRADING OR SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDDED AT ONE TIME.
6. CONTRACTOR SHALL INSPECT ADJACENT STREETS TWICE DAILY AND CLEAN ADJACENT STREET WHEN NECESSARY. ADJACENT STREETS SHALL BE KEPT CLEAN OF DEBRIS AS DIRECTED BY ENGINEER.
7. SHOULD IT BE NECESSARY TO REMOVE ANY EROSION CONTROL DEVICES FOR CONSTRUCTION REASONS, THE CONTRACTOR SHALL FIRST OBTAIN PERMISSION AND SHALL REPAIR OR REPLACE THE REMOVED DEVICES THE SAME DAY. THE COST OF REMOVING AND REPLACING THE DEVICE SHALL BE INCLUDED IN THE UNIT COST OF THE ITEM.
8. ALL OTHER SOIL EROSION CONTROL DEVICES AND MEASURES DEEMED NECESSARY BY THE RESIDENT ENGINEER, KANE COUNTY, THE IEPA OR THE KANE-DUPAGE COUNTY SOIL AND WATER CONSERVATION DISTRICT SHALL BE IMPLEMENTED IMMEDIATELY UPON NOTIFICATION OF THE CONTRACTOR. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
9. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT ILR40.
10. CONTRACTOR SHALL PROVIDE LOCATIONS FOR CONCRETE TRUCK WASHOUT 2 DAYS PRIOR TO CONCRETE POUR. LOCATIONS SHALL BE APPROVED BY ENGINEER PRIOR TO ANY CONCRETE POURS.
11. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES TO ENSURE THAT EROSION CONTROL MEASURES ARE CONSISTENT AND CONSTANT BETWEEN PROJECT PHASES AND SUB-CONTRACTORS.
12. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS TO REMAIN FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF IN WETLANDS. THE CONTRACTOR SHALL PAY FOR RESTORATION AND ASSOCIATED PENALTIES FOR WETLAND DISTURBANCE BEYOND THAT SHOWN ON THE PLANS.
13. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04.
14. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS LEAVING PROJECT AREA, TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL AND TO THE SATISFACTION OF THE ENGINEER.
15. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
16. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
17. THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04.
18. PERMANENT STABILIZATION SHALL BE COMPLETED WITHIN SEVEN (7) DAYS FOR AREAS WHERE WORK IS COMPLETED. THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR VARIOUS PERMANENT EROSION CONTROL PAY ITEMS.
19. RUNOFF FROM THE ROADSIDE DITCHES SHALL BE PROPERLY FILTERED WITH SOIL AND SEDIMENT CONTROL MEASURES PRIOR TO EXITING THE PROJECT LIMITS TO THE SATISFACTION OF THE ENGINEER. THIS WORK IS INCLUDED IN THE COST OF TEMPORARY EROSION CONTROL PAY ITEMS.

20. STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES. STOCKPILES TO REMAIN IN PLACE FOR FOURTEEN (14) DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

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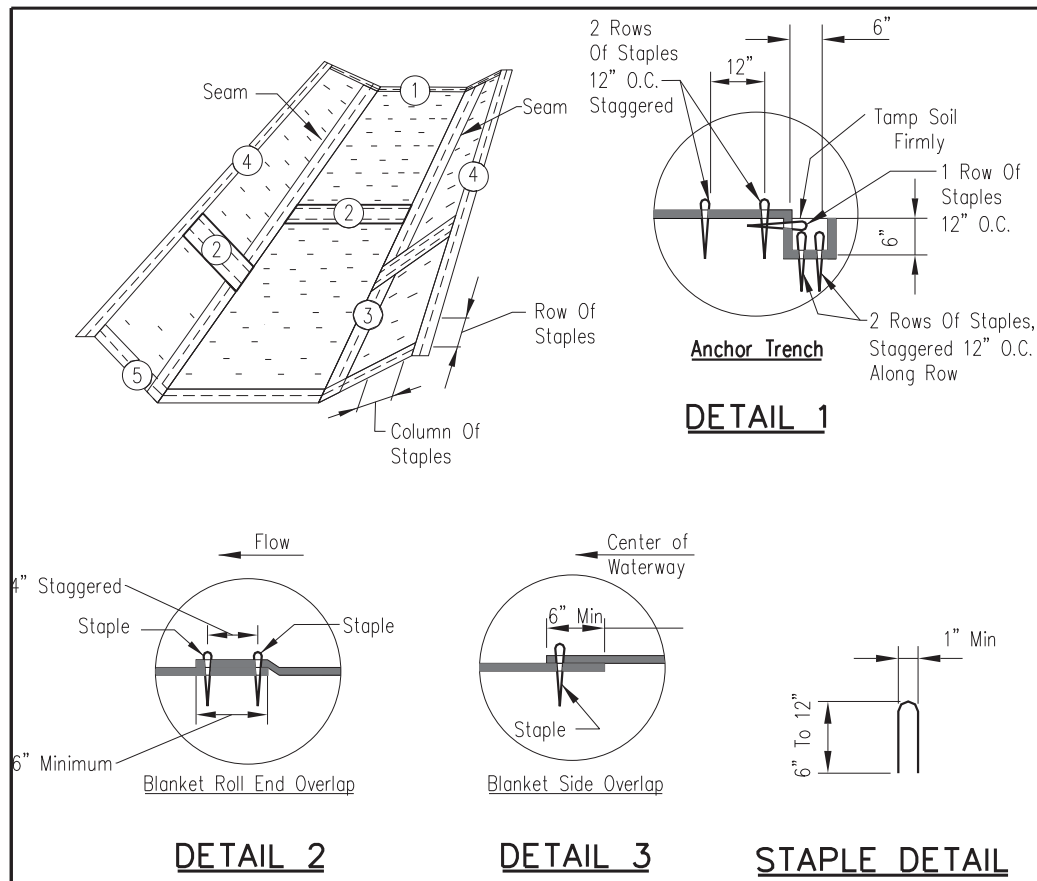
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NOTES
HUNTLEY ROAD AT GALLIGAN ROAD

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

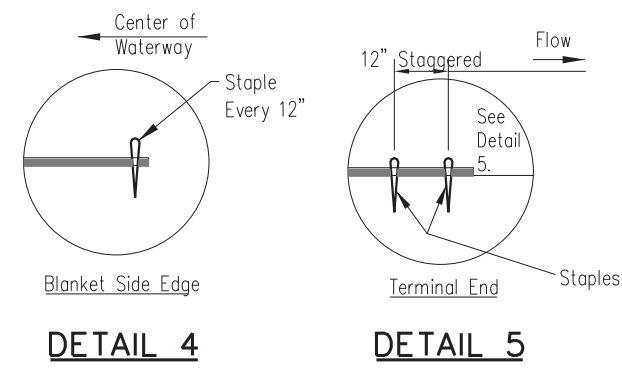
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	34
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. Install erosion control blanket (ECB) over waterway: Waterway Width _____ft
ECB width _____ft
 2. The erosion control blanket shall consist of a machine produced mat of curled wood or coconut fibers, shall have an expected material life of a least 12 months, shall be new and unused, shall be furnished in rolls, and shall meet the minimum requirements stated in Table 1 below.
 3. Prepare soil prior to installing erosion control blanket, including seeding, fertilizing, and lime application.
 4. The erosion control blanket shall be placed in firm contact with the soil and not be allowed to bridge over surface irregularities. The blanket shall not be stretched.
 5. Start laying the blankets by rolling center blanket in the direction of flow, centered on the centerline of waterway. There shall not be an overlap of blankets at the center of the waterway.
 6. The erosion control blanket shall be anchored, overlapped, and stapled according to manufacturer's instructions. If no manufacturer's instructions are available, install the blanket as follows:
 - a. Staples shall be "U" shaped, 0.12 in diameter wire or greater (#11 gauge). See Staple Detail for dimensions.
 - b. Bury upstream end of blanket in a trench 6 inch wide by 6 inch deep and stapled in staggered rows across the width as shown in Detail 1.
 - c. For joining ends of rolls, overlap end of upslope blanket a minimum of 6 inches over downslope blanket (shingle style). Use a double row of staggered staples 4 inches apart, as shown in Detail 2.
 - d. Blankets on side slopes shall overlap a minimum 6 inches over the blanket below (shingle style). Staple overlap at 12 inch intervals. See Detail 3.
 - e. The outer edge along sides of the blanket shall be stapled every 12 inches. See Detail 4.
 - f. Staples are to be placed alternately in columns (in the direction of the waterway) 2 feet apart and in rows (across the waterway) 3 feet apart, throughout the area covered by erosion blanket.
 - g. Downstream (terminal) end of blanket shall be stapled with a double row of staggered staples 12 inches apart.

TABLE 1. MINIMUM REQUIREMENTS FOR EROSION CONTROL BLANKET

	Coconut Blanket	Wood Fiber Blanket
Type of Fiber	100% coconut fibers	100% curled wood fibers
Weight, lbs/sq. yd	0.50	0.63
Fiber Length	N/A	80% of fibers > 6 in.
Fiber Dimensions	N/A	0.021 in. x 0.042 in.
	Optional - Top and bottom of blanket may be covered with a max. 5/8" x 5/8" opening size netting, bound to the mat on max. 1.5" centers.	Optional - Top and bottom of blanket may be covered with a max. 5/8" x 5/8" opening size netting



**EROSION BLANKET
INSTALLATION DETAILS**

NRCS
Natural Resource Conservation Service
United States Department of Agriculture

File No. IL ENG-61
Drawing No. _____
Sheet 1 of 1

SOIL STABILIZATION CHART

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	SEED RATE (MINIMUM)
SEEDING, CLASS 2A (SALT TOLERANT ROADSIDE)			██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	200 LB/ACRE
TEMPORARY EROSION CONTROL SEEDING			██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	██████████	110 LB/ACRE

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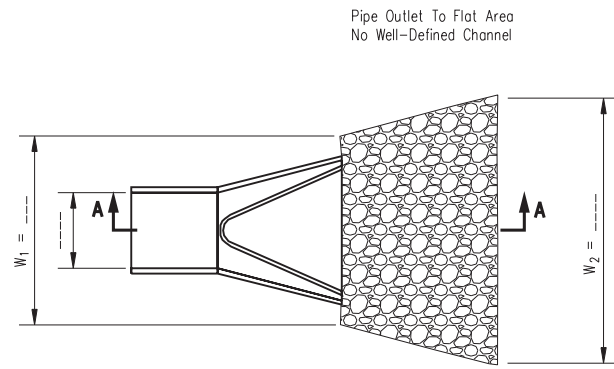
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

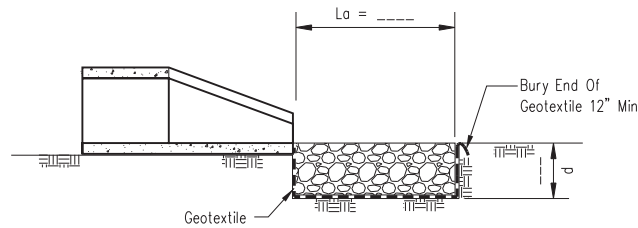
**STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
DETAILS**

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

F.A.U. RTE. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 35
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



PLAN

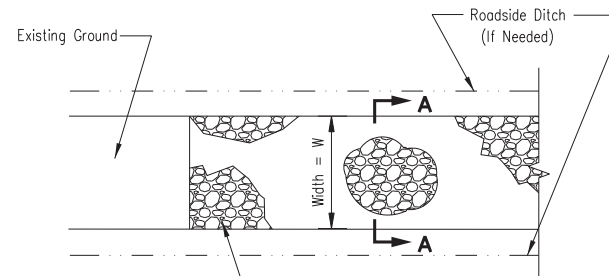


SECTION A-A

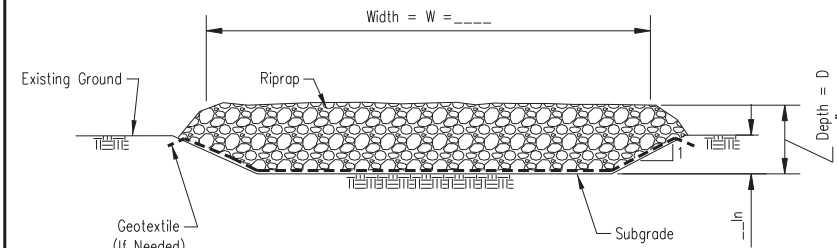
- NOTES:
- The rock riprap shall meet IDOT requirements for Gradation No. _____, Quality Designation "A" or as designated by engineer.
 - Geotextile (non-woven) minimum criteria:

Weight of Geotextile (oz/sq.yd.)	_____	6
Tensile strength (lb) ASTM D 4632	_____	180
Elongation at failure (%) ASTM D 4632	_____	≥ 50
Puncture (lb) ASTM D 4833	_____	80
Ultraviolet light (% residual tensile strength) ASTM D 4355	_____	min 70
Apparent opening size (AOS) ASTM D 4751	_____	max 40 sieve
Permittivity sec ⁻¹ ASTM D 4491	_____	min 0.70
 - Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.
 - Apron width W_1 shall be at least 3 times the culvert pipe diameter. Apron width W_2 shall be at least to L_0 plus the pipe diameter.
 - Rock thickness d shall be at least 1.5 times the riprap D_{100} size.
 - Apron length L_0 and rock riprap shall be sized according to Illinois Urban Manual Rock Outlet Protection standard 910 minimum $L_0 = 10$ ft.

Design: _____ M. MOES
 Drawn: _____
 Checked: _____
 Approved: _____
PIPE OUTLET TO FLAT AREA
NRCS
 Natural Resources Conservation Service
 United States Department of Agriculture
 File No. IL-ENG-44
 Drawing No.
 Sheet 1 of 1



PLAN VIEW



SECTION A-A

- NOTES:
- Rock shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 - See plans for construction road location, D and W dimensions.
 - Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for trailer traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required.
 - Roadway shall follow the contour of the natural terrain to the extent possible.
 - Geotextile (non-woven) minimum criteria:

Weight of Geotextile (oz/sq.yd.)	_____	6
Tensile strength (lb) ASTM D 4632	_____	180
Elongation at failure (%) ASTM D 4632	_____	≥ 50
Puncture (lb) ASTM D 4833	_____	80
Ultraviolet light (% residual tensile strength) ASTM D 4355	_____	min 70
Apparent opening size (AOS) ASTM D 4751	_____	max 40 sieve
Permittivity sec ⁻¹ ASTM D 4491	_____	min 0.70
 - Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.

Design: _____ M. MOES
 Drawn: _____
 Checked: _____
 Approved: _____
CONSTRUCTION ROAD STABILIZATION
NRCS
 Natural Resources Conservation Service
 United States Department of Agriculture
 File No. IL-ENG-58
 Drawing No.
 Sheet 1 of 1

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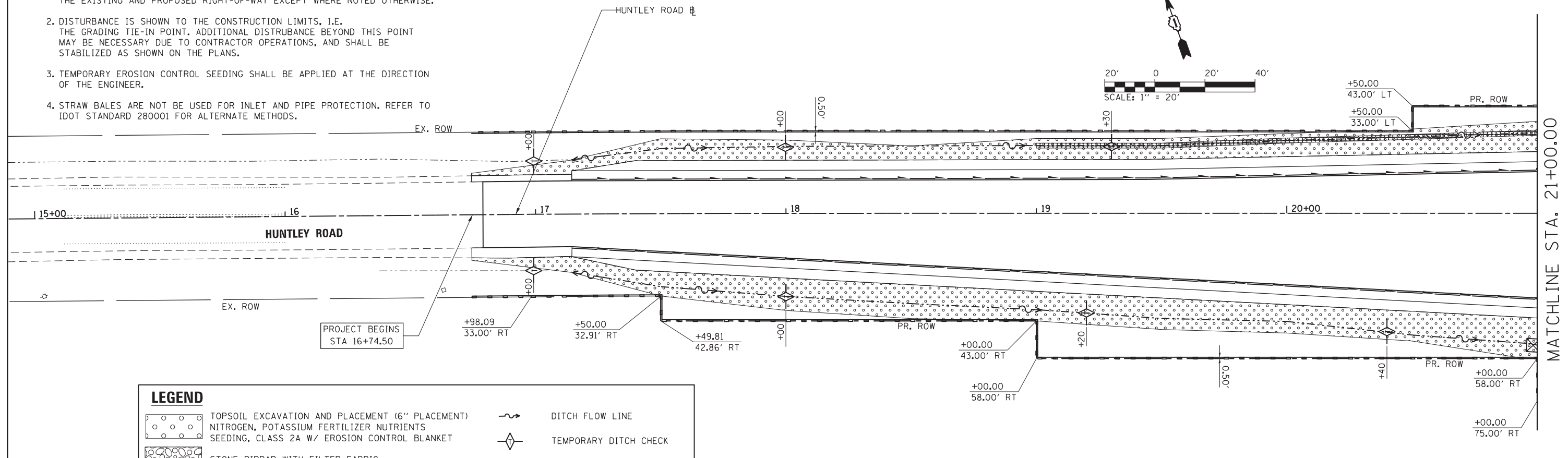
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)
DETAILS
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

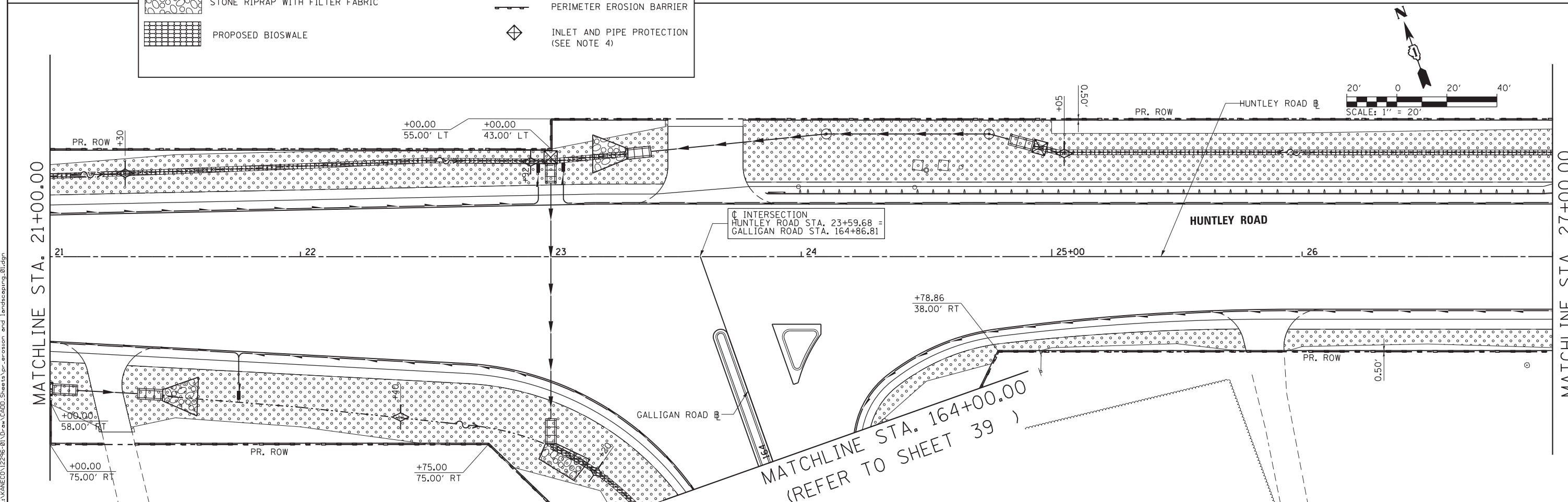
NOTES:

1. PERIMETER EROSION BARRIER IS SHOWN AS BEING INSTALLED 6" INSIDE OF THE EXISTING AND PROPOSED RIGHT-OF-WAY EXCEPT WHERE NOTED OTHERWISE.
2. DISTURBANCE IS SHOWN TO THE CONSTRUCTION LIMITS, I.E. THE GRADING TIE-IN POINT. ADDITIONAL DISTURBANCE BEYOND THIS POINT MAY BE NECESSARY DUE TO CONTRACTOR OPERATIONS, AND SHALL BE STABILIZED AS SHOWN ON THE PLANS.
3. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT THE DIRECTION OF THE ENGINEER.
4. STRAW BALES ARE NOT BE USED FOR INLET AND PIPE PROTECTION, REFER TO IDOT STANDARD 280001 FOR ALTERNATE METHODS.



LEGEND

	TOPSOIL EXCAVATION AND PLACEMENT (6" PLACEMENT) NITROGEN, POTASSIUM FERTILIZER NUTRIENTS SEEDING, CLASS 2A W/ EROSION CONTROL BLANKET		DITCH FLOW LINE
	STONE RIPRAP WITH FILTER FABRIC		TEMPORARY DITCH CHECK
	PROPOSED BIOSWALE		PERIMETER EROSION BARRIER
			INLET AND PIPE PROTECTION (SEE NOTE 4)



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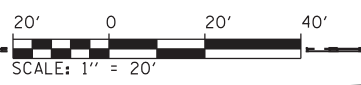


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

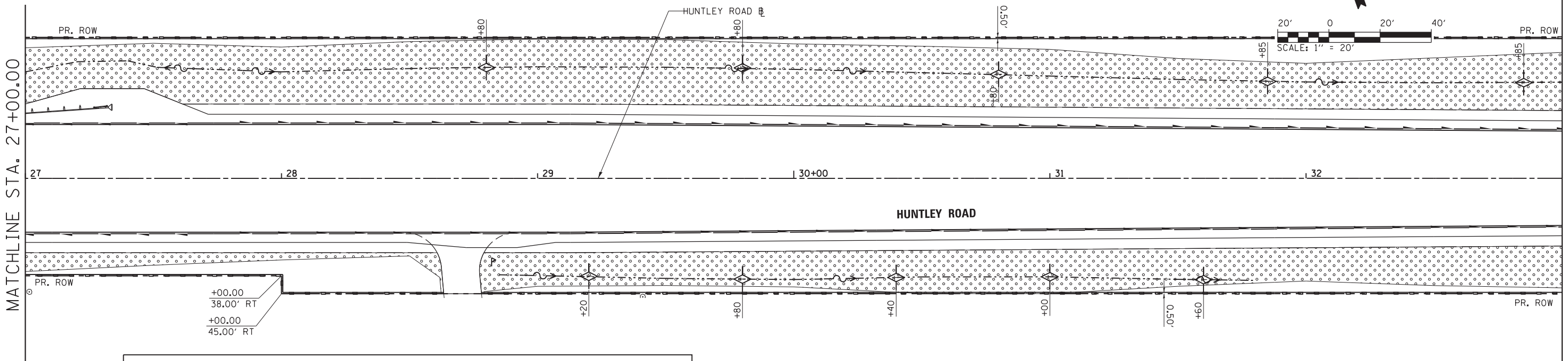
EROSION CONTROL, SEEDING AND LANDSCAPING PLAN
HUNTLEY ROAD
SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. 15+00.00 TO STA. 27+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	37
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



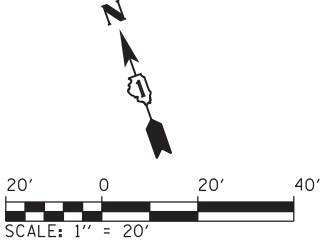
MATCHLINE STA. 27+00.00

MATCHLINE STA. 33+00.00

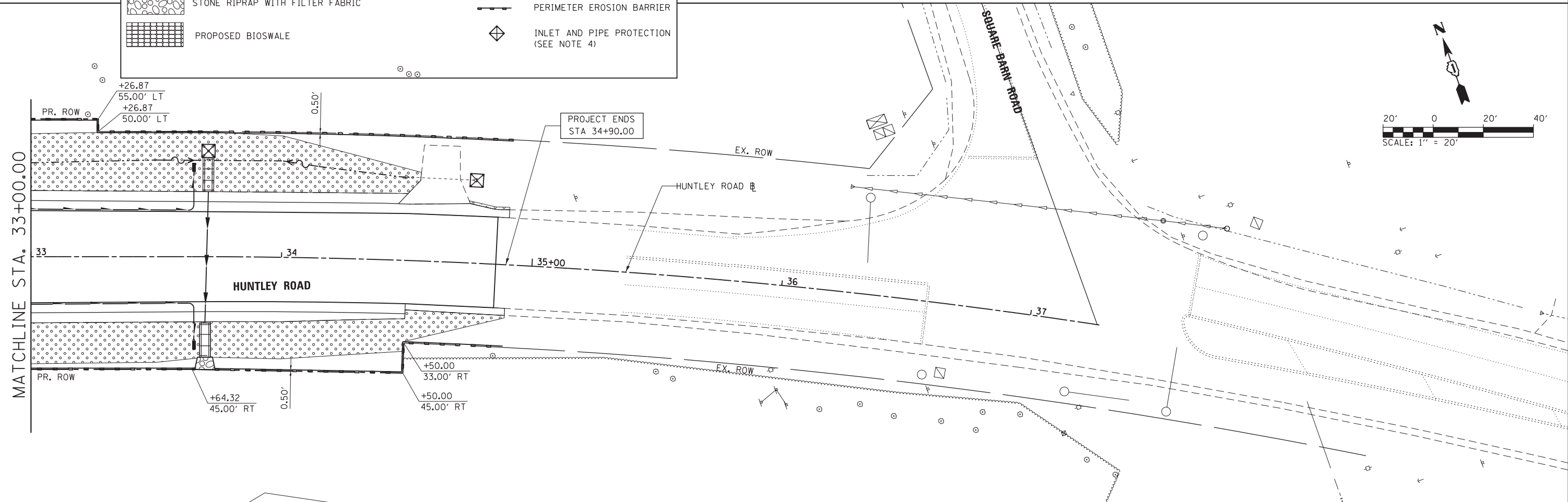


LEGEND

	TOPSOIL EXCAVATION AND PLACEMENT (6" PLACEMENT) NITROGEN, POTASSIUM FERTILIZER NUTRIENTS SEEDING, CLASS 2A W/ EROSION CONTROL BLANKET		DITCH FLOW LINE
	STONE RIPRAP WITH FILTER FABRIC		TEMPORARY DITCH CHECK
	PROPOSED BIOSWALE		PERIMETER EROSION BARRIER
			INLET AND PIPE PROTECTION (SEE NOTE 4)



MATCHLINE STA. 33+00.00



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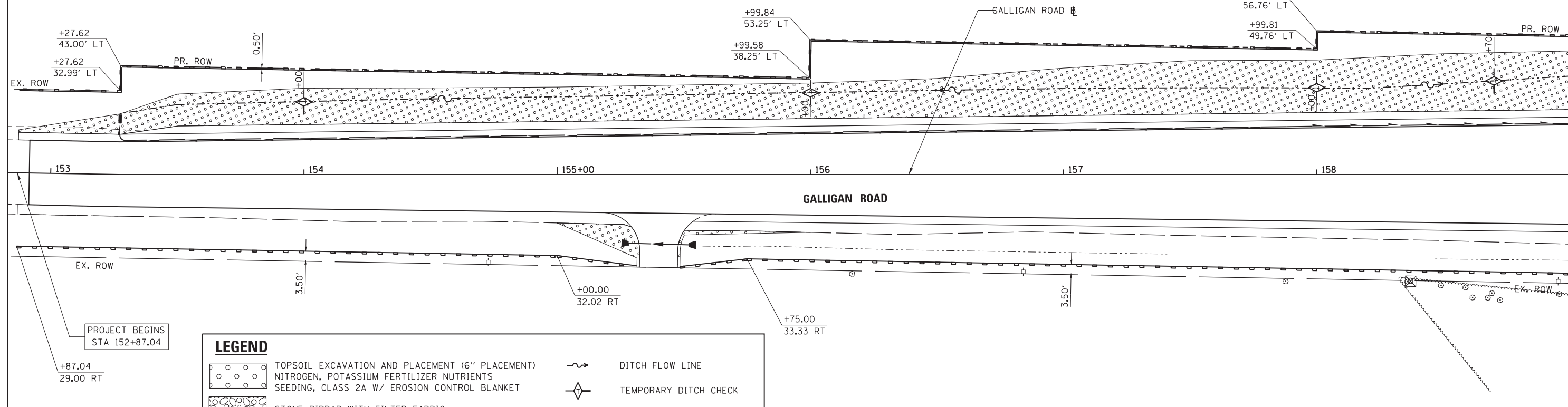
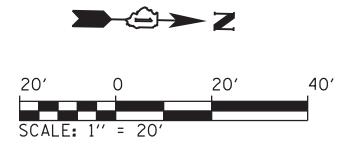
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PLOT DATE = 3/9/2018	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL, SEEDING AND LANDSCAPING PLAN
HUNTLEY ROAD**

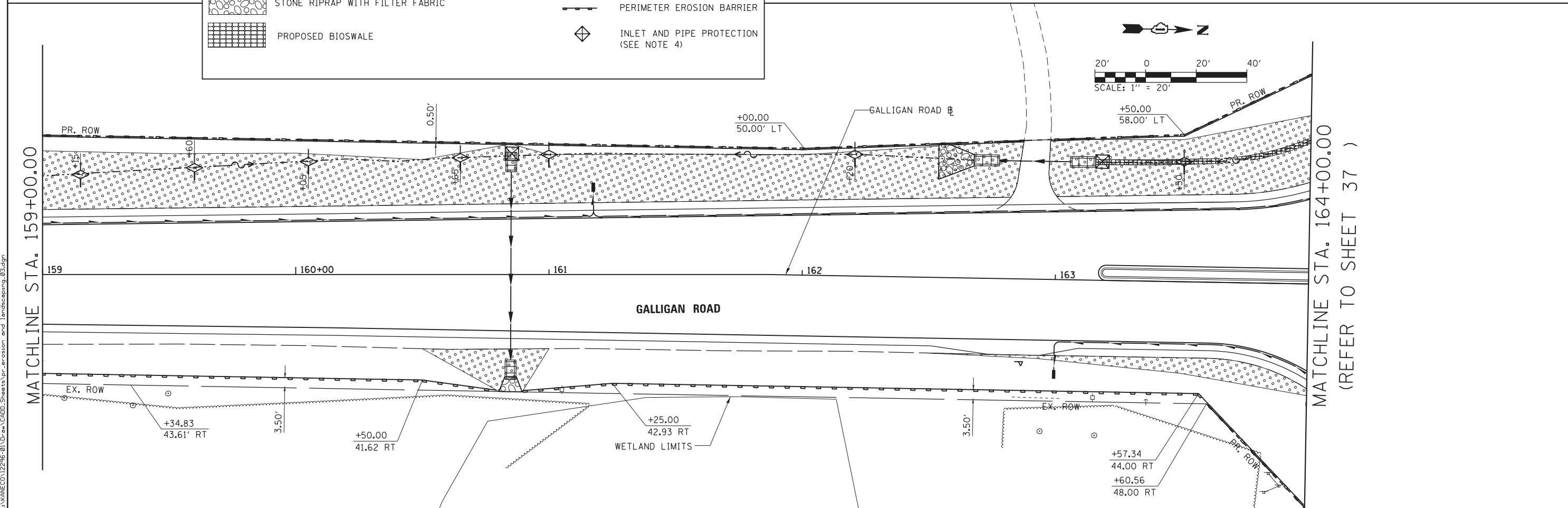
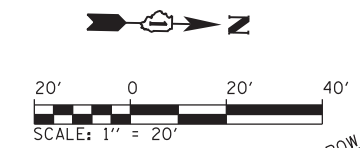
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4066	08-00112-00-CH	KANE	93	38
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. 27+00.00 TO STA. 39+00.00



LEGEND

	TOPSOIL EXCAVATION AND PLACEMENT (6" PLACEMENT) NITROGEN, POTASSIUM FERTILIZER NUTRIENTS SEEDING, CLASS 2A W/ EROSION CONTROL BLANKET		DITCH FLOW LINE
	STONE RIPRAP WITH FILTER FABRIC		TEMPORARY DITCH CHECK
	PROPOSED BIOSWALE		PERIMETER EROSION BARRIER
			INLET AND PIPE PROTECTION (SEE NOTE 4)



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	DRAWN - JMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -
PLOT DATE = 3/9/2018	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL, SEEDING AND LANDSCAPING PLAN
GALLIGAN ROAD**

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 153+00.00 TO STA. 164+00.00

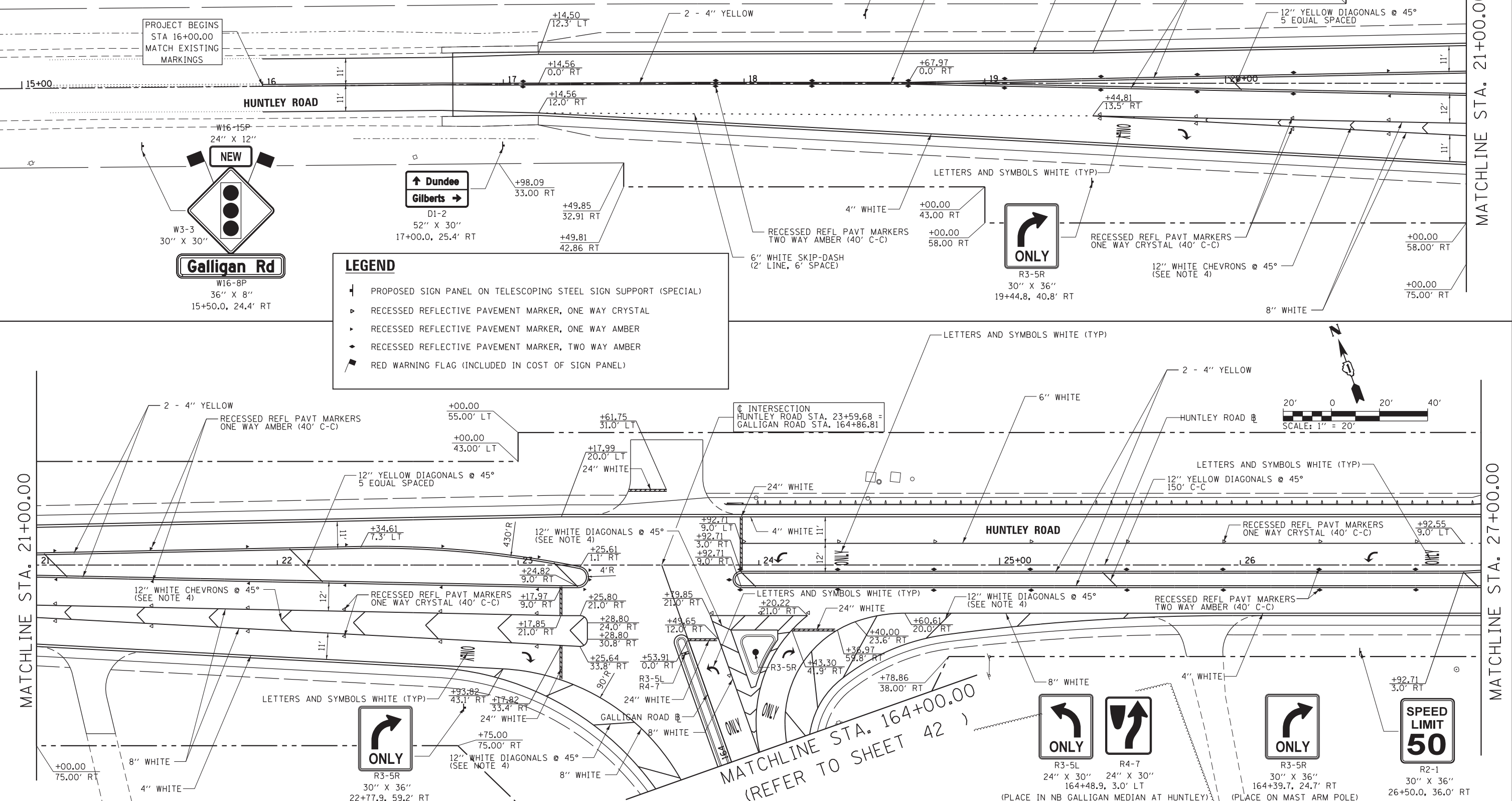
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	39
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING NOTES:

1. ALL PERMANENT PAVEMENT MARKING SHALL BE MODIFIED URETHANE UNLESS OTHERWISE NOTED.
2. LETTERS AND SYMBOLS PAVEMENT MARKING SHALL BE PLACED IN ACCORDANCE WITH I.D.O.T. D1 STANDARD TC-13 FOR FULL SIZE.
3. EXISTING PAVEMENT MARKING REMOVED DUE TO MAINTENANCE OF TRAFFIC SHALL BE REPLACED IN KIND.
4. CORE MARKING, CHANNELIZING LINES, SHOULDER DIAGONALS AND PAINTED MEDIANS SHALL BE IN ACCORDANCE WITH I.D.O.T D1 STANDARD TC-13.
5. RECESSED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED ACCORDING TO I.D.O.T STANDARD 781001, I.D.O.T D1 STANDARD TC-11 AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND DETAILS.

SIGNING NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING KDOT PERSONNEL A MINIMUM OF 48 HOURS PRIOR TO ANY SIGN INSTALLATION:
RAY JOHNSON - PROJECT MANAGER
(630) 406-7356
2. SEE SHEET 43 FOR DETAILS ON TELESCOPING STEEL SIGN SUPPORTS.
3. SIGN OFFSETS ARE BASED OFF OF IDOT STANDARD 720006 MEASURED FROM THE EDGE OF THE AGGREGATE SHOULDER. LOCATIONS MAY NEED TO BE ADJUSTED TO FIT FIELD CONDITIONS AND AT THE DIRECTION OF THE ENGINEER. STATIONS ARE ALSO GIVEN FOR GUIDANCE AND MAY NEED TO BE ADJUSTED TO FIT FIELD CONDITIONS.
4. SEE SIGNAL SHEETS FOR MAST ARM MOUNTED SIGNS.



LEGEND

- PROPOSED SIGN PANEL ON TELESCOPING STEEL SIGN SUPPORT (SPECIAL)
- RECESSED REFLECTIVE PAVEMENT MARKER, ONE WAY CRYSTAL
- RECESSED REFLECTIVE PAVEMENT MARKER, ONE WAY AMBER
- RECESSED REFLECTIVE PAVEMENT MARKER, TWO WAY AMBER
- RED WARNING FLAG (INCLUDED IN COST OF SIGN PANEL)

MATCHLINE STA. 21+00.00

MATCHLINE STA. 21+00.00

MATCHLINE STA. 27+00.00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING
HUNTLEY ROAD

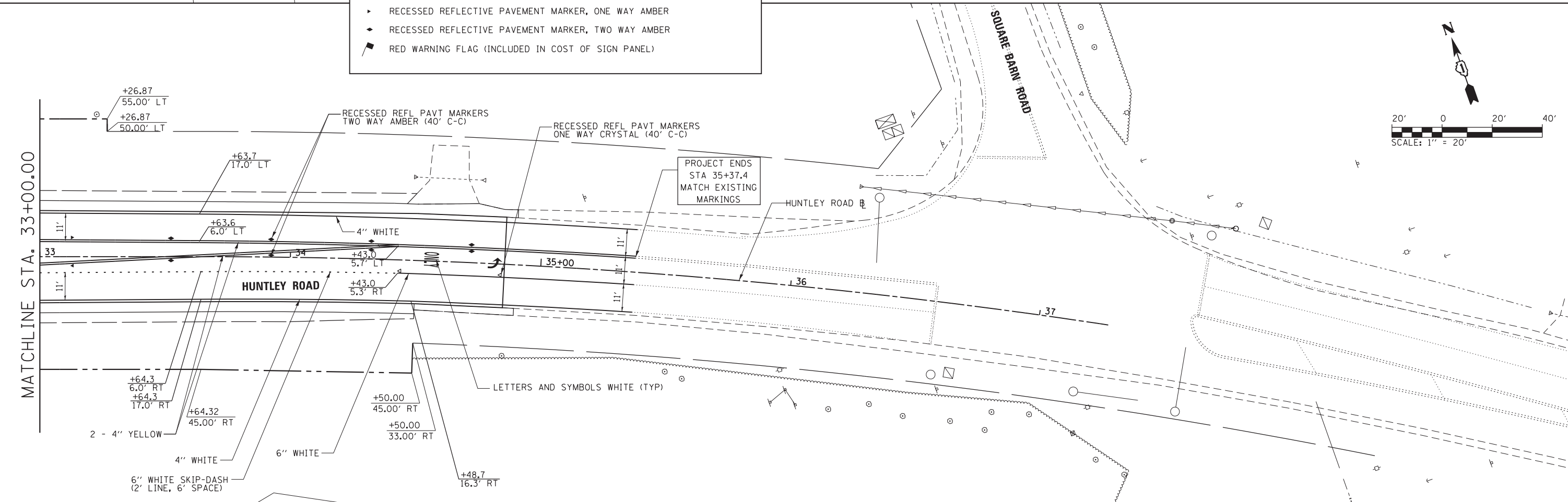
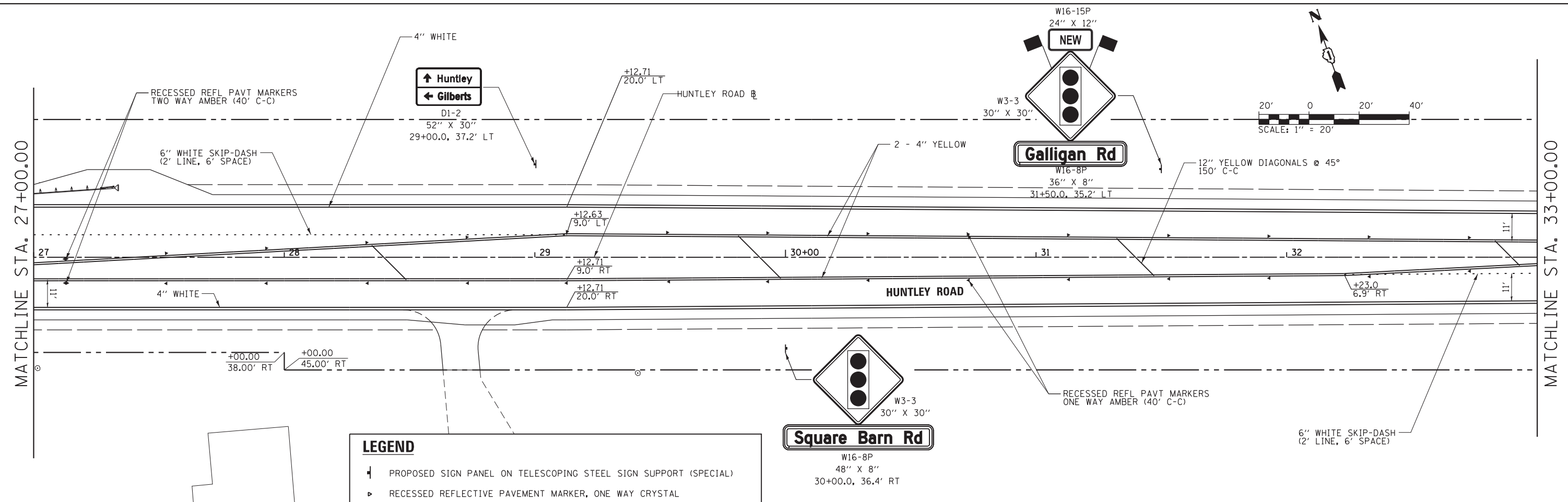
SCALE: 1" = 20'	SHEET NO. 1 OF 5 SHEETS	STA. 15+00.00 TO STA. 27+00.00	TOTAL SHEETS 93	SHEET NO. 40
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USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JMS	REVISED -
PLOT DATE = 2/13/2018	CHECKED - KDF	REVISED -
	DATE - 02/14/2018	REVISED -

F.A.U. R.T.E. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 40
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

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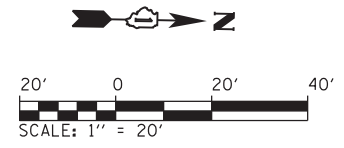


USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
DRAWN - JMS	REVISIONS -	
PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISIONS -
PLOT DATE = 2/13/2018	DATE - 02/14/2018	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING	
HUNTLEY ROAD	
SCALE: 1" = 20'	SHEET NO. 2 OF 5 SHEETS
STA. 27+00.00	TO STA. 39+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	41
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



PROJECT BEGINS
STA 152+15.0
MATCH EXISTING
MARKINGS

+27.62
43.00' LT
+27.62
32.99' LT
+27.28
11.9' LT

RECESSED REFL PAVT MARKERS
TWO WAY AMBER (40' C-C)

4" WHITE

+99.84
53.25' LT
+99.58
38.25' LT

GALLIGAN ROAD

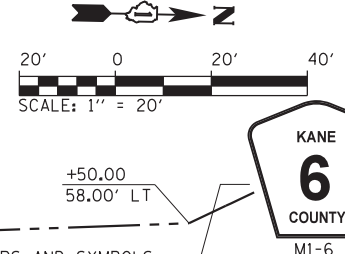
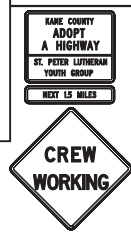
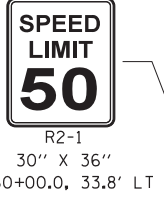
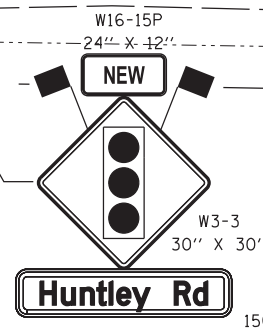
+99.93
56.76' LT
+99.81
49.76' LT

RECESSED REFL PAVT MARKERS
ONE WAY AMBER (40' C-C)

MATCHLINE STA. 159+00.00

LEGEND

- ┆ PROPOSED SIGN PANEL ON TELESCOPING STEEL SIGN SUPPORT (SPECIAL)
- ▶ RECESSED REFLECTIVE PAVEMENT MARKER, ONE WAY CRYSTAL
- ▶ RECESSED REFLECTIVE PAVEMENT MARKER, ONE WAY AMBER
- ◆ RECESSED REFLECTIVE PAVEMENT MARKER, TWO WAY AMBER
- ▲ RED WARNING FLAG (INCLUDED IN COST OF SIGN PANEL)



MATCHLINE STA. 159+00.00

12" YELLOW DIAGONALS @ 45°
150' C-C

+10.70
19.9' LT

RELOCATE EXISTING SIGNS
ONTO NEW SUPPORT POST
162+00.0, 37.4' LT

+45.81
21.7' LT

+00.00
50.00' LT

LETTERS AND SYMBOLS
WHITE (TYP)



M1-6
24" X 24"
163+50.0, 41.3' LT
+85.06
21.0' LT

MATCHLINE STA. 164+00.00
(REFER TO SHEET 40)

159

160+00

161

162

163

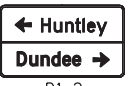
90' R

GALLIGAN ROAD

ONLY

ONLY

+34.83
43.61' RT



+14.78
9.0' LT
+14.47
9.0' RT

4" WHITE

RECESSED REFL PAVT MARKERS
ONE WAY AMBER (40' C-C)
6" WHITE SKIP-DASH
(2' LINE, 6' SPACE)



R3-5R
30" X 36"
162+34.7, 36.8' RT



R3-5L
24" X 30"

RECESSED REFL PAVT MARKERS
ONE WAY CRYSTAL (40' C-C)

+60.56
48.00' RT



USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JMS	REVISED -
PLOT DATE = 2/13/2018	CHECKED - KDF	REVISED -
	DATE - 02/14/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING
GALLIGAN ROAD

SCALE: 1" = 20' SHEET NO. 3 OF 5 SHEETS STA. 153+00.00 TO STA. 164+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	42
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

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Telescoping Sign Post

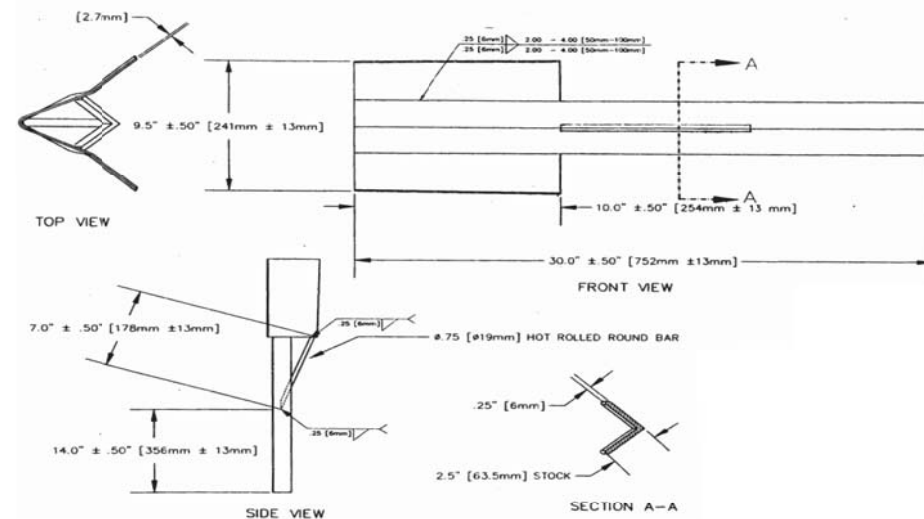
The post shall be a square tube formed of 12 gauge steel according to the standard specification for cold rolled carbon steel sheets commercial quality ASTM A 1008 (A 1008M). The post shall be formed to size and, if necessary, shall be welded in such a manner that weld or flash shall not interfere with telescoping. Holes 7/16 ± 1/64 in. (11 ± 0.4 mm) will be spaced on 1 in. (25 mm) centers on at least two opposite sides. The holes shall align to accept a 3/8 in. (10 mm) bolt through the post at any location. The post shall have a smooth galvanized finish applied either before or after forming. For all other regulations refer to Section 1093 of the latest version of Illinois Standard Specifications for Bridge and Road Construction.

Sign Bases

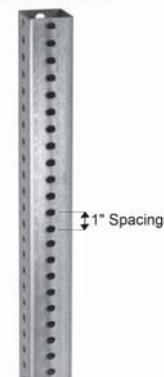
30" bases for breakaway telescoping sign supports shall be model V-Loc, 200-VS3, for use in soft soil and shall be manufactured by TAPCO (Traffic & Parking Control Co., Inc.)

Sign Base Wedge

Galvanized Steel Wedge SWI for V-Loc® post bases



12 Gauge Telescoping Galvanized Square Post, 2"W x 2"D x min. 10'



Stainless steel bolts and washers used for fastening extruded aluminum sign panels to supports, shall be according to ASTM A 276, Type 304. Stainless steel nuts shall be according to ASTM A 240 (A 240M), Type 304.



Base installed 2" Below Surface

Tapco 200-VS3B V-Loc Traffic Post Breakaway Soil Anchor, for use with 2" Length x 2" Width Telescoping Square Post

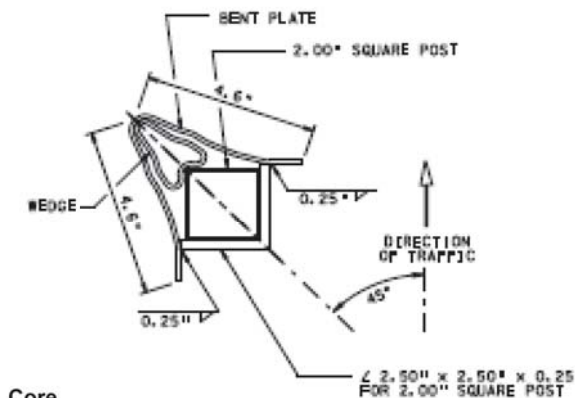
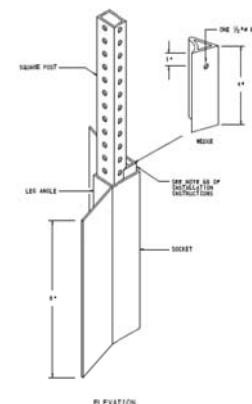
Wedge locks post in place

Leg angle 2.5"x2.5"x30"

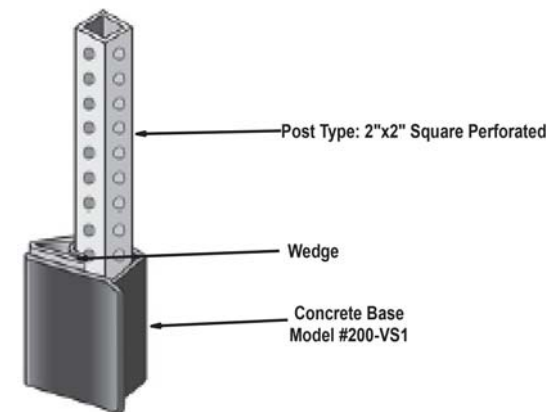
Fin Dimensions 10x12x12ga

Sign Bases for Concrete & Asphalt Installation

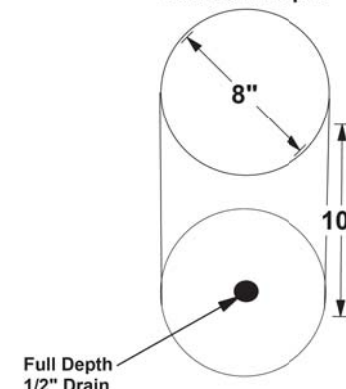
Sign Bases for Concrete & Asphalt Installation, reusable breakaway anchors allow you to replace posts in a matter of a few minutes. The V-LoC® anchor socket can be installed into concrete, asphalt or dirt safely by one person, by either hand or power driver. Once the anchor is installed, simply insert the post, and drive in the patented wedge, which will lock the post into place without the need for any additional hardware. The V-LoC® requires no concrete in the soil. 200-VS1 Model, for 2" x 2" square posts going into Concrete, includes the wedge, post and anchor.



Concrete Base Assembly



Core Diameter/ Depth



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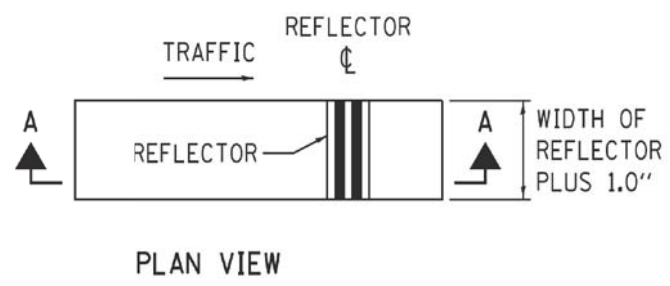
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	DATE - 02/14/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

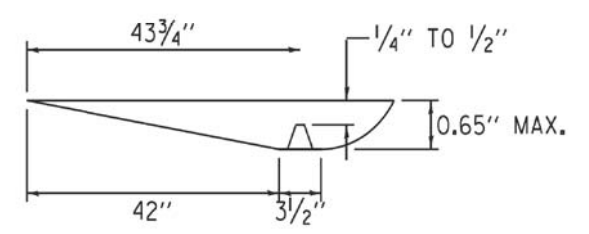
PAVEMENT MARKING AND SIGNING
TELESCOPING STEEL SIGN SUPPORT (SPECIAL) DETAIL

SCALE: NA SHEET NO. 4 OF 5 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	43
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

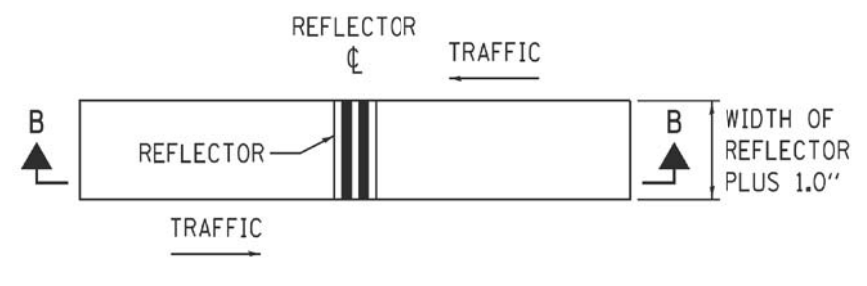


PLAN VIEW

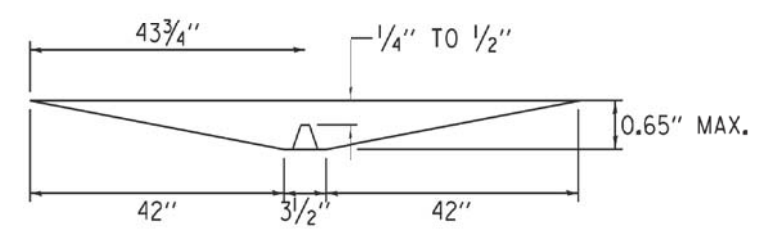


SECTION A-A

ONE-WAY RECESSED REFLECTIVE PAVEMENT MARKER



PLAN VIEW



SECTION B-B

TWO-WAY RECESSED REFLECTIVE PAVEMENT MARKER

RECESSED RELECTIVE PAVEMENT MARKERS

GENERAL NOTES:

1. INSTALLATION SHALL CONFORM TO THE LATEST VERSION OF DISTRICT ONE DETAL TC-11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTENT) FOR MARKER REPLACEMENT ONLY.
2. ANY REFERENCE TO RAISED REFLECTIVE PAVEMENT MARKER IN DISTRICT ONE DETAIL TC11 SHALL BE INTERPRETED TO MEAN RECESSED REFLECTIVE PAVEMENT MARKERS.

INSTALLATION NOTES:

1. SAWCUT TO DIMENSIONS SHOWN.
2. SAWCUT AREAS TO BE DRY AND FREE OF MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BOND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. INSTALL TOP OF REFLECTOR 1/2" TO 1/4" BELOW THE PAVEMENT SURFACE.

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USER NAME = Mike Moes	DESIGNED - JMS	REVISED -
	DRAWN - JMS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -
PLOT DATE = 2/13/2018	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING	
RECESSED REFLECTIVE PAVEMENT MARKER DETAIL	
SCALE: NA	SHEET NO. 5 OF 5 SHEETS STA. - TO STA. -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	44
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

SHEET	DRAWING	SHEET TITLE
1	45	TRAFFIC SIGNAL PLANS SUMMARY OF QUANTITIES
2	46	TRAFFIC SIGNAL PLANS TRAFFIC SIGNAL SIGN DETAILS
3	47	TRAFFIC SIGNAL PLANS TRAFFIC SIGNAL INSTALLATION PLAN
4	48	TRAFFIC SIGNAL PLANS TRAFFIC SIGNAL CABLE PLAN
5	49	TRAFFIC SIGNAL PLANS TRAFFIC SIGNAL INTERCONNECT PLAN
6	50	TRAFFIC SIGNAL PLANS TRAFFIC SIGNAL SCHEMATIC

I.D.O.T. HIGHWAY STANDARD DRAWINGS

805001-01	ELECTRIC SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877006-06	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
877011-09	STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

I.D.O.T. (DISTRICT 1) DETAIL DRAWINGS

TS-05 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

PAY ITEM NUMBER	DESCRIPTION	UNIT	TRAFFIC SIGNAL QUANTITY	INTERCONNECT QUANTITY	TOTAL QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	33	0	33
72000200	SIGN PANEL - TYPE 2	SQ FT	64	0	64
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	0	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	620	0	620
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	106	0	106
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	724	882	1606
81400100	HANDHOLE	EACH	6	3	9
81400200	HEAVY-DUTY HANDHOLE	EACH	4	0	4
81400300	DOUBLE HANDHOLE	EACH	1	0	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	0	1
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	0	1364	1364
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	693	0	693
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1823	0	1823
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1996	0	1996
87301295	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	693	0	693
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2078	0	2078
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	44	0	44
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	637	0	637
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1	0	1
87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1	0	1
87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1	0	1
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1	0	1
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1	0	1
87704519	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. & 36 FT.	EACH	1	0	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4	0	4
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	0	4
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20	0	20
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	38	0	38
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	0	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4	0	4
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5	0	5
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	0	1
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	0	1
88040320	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-4 SECTION, 2-5 SECTION, BRACKET MOUNTED	EACH	1	0	1
88200310	TRAFFIC SIGNAL BACKPLATE, LOUVERED, PLASTIC	EACH	16	0	16
88500100	INDUCTIVE LOOP DETECTOR	EACH	7	0	7
88600100	DETECTOR LOOP, TYPE I	FOOT	555	0	555
88700200	LIGHT DETECTOR	EACH	2	0	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1	0	1
X1400101	NETWORK CONFIGURATION	L SUM	0	1	1
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	0	1
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	0	1
X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	0	1387	1387
XX008453	ETHERNET SWITCH, TYPE 1	EACH	0	1	1
XX008963	THREE CELL FABRIC INNERDUCT	FOOT	0	1316	1316
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	0	1	1

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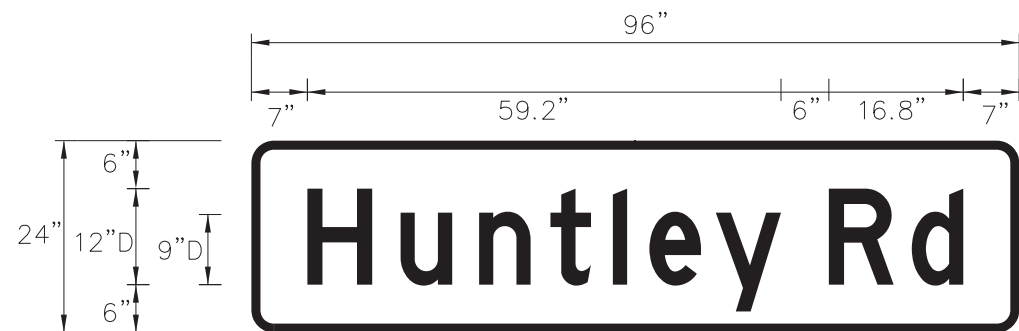
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PLOT SCALE = 20.0000' / in.	CHECKED - JMS	REVISED -
PLOT DATE = 2/13/2018	DATE - 02/14/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLANS
SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	45
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				



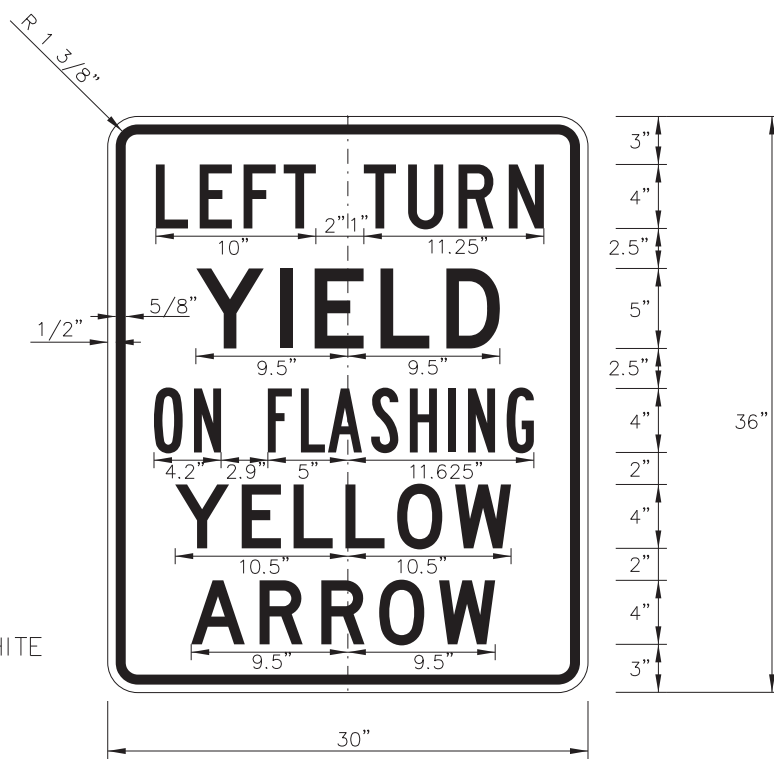
BORDER
R=2.81"
TH=1.13"

BACKGROUND: GREEN
LEGEND: WHITE



BORDER
R=2.81"
TH=1.13"

BACKGROUND: GREEN
LEGEND: WHITE



BACKGROUND: WHITE
LEGEND: BLACK

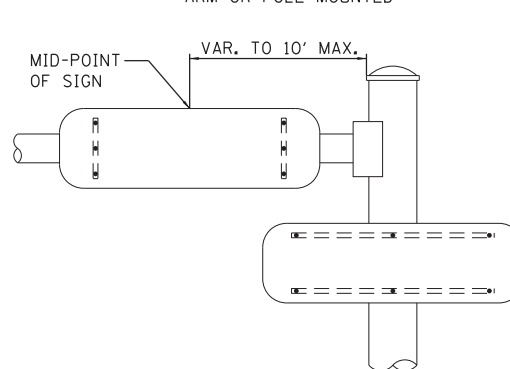
PAY ITEM NUMBER	DESCRIPTION	UNIT	TRAFFIC SIGNAL QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	33
72000200	SIGN PANEL - TYPE 2	SQ FT	64
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	620
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	106
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	724
81400100	HANDHOLE	EACH	6
81400200	HEAVY-DUTY HANDHOLE	EACH	4
81400300	DOUBLE HANDHOLE	EACH	1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	693
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1823
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1996
87301295	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	693
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2078
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	44
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	637
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1
87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
87704519	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 48 FT. & 36 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	20
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	38
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040320	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-4 SECTION, 2-5 SECTION, BRACKET MOUNTED	EACH	1
88200310	TRAFFIC SIGNAL BACKPLATE, LOUVERED, PLASTIC	EACH	16
88500100	INDUCTIVE LOOP DETECTOR	EACH	7
88600100	DETECTOR LOOP, TYPE I	FOOT	555
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

GENERAL NOTES (KDOT)

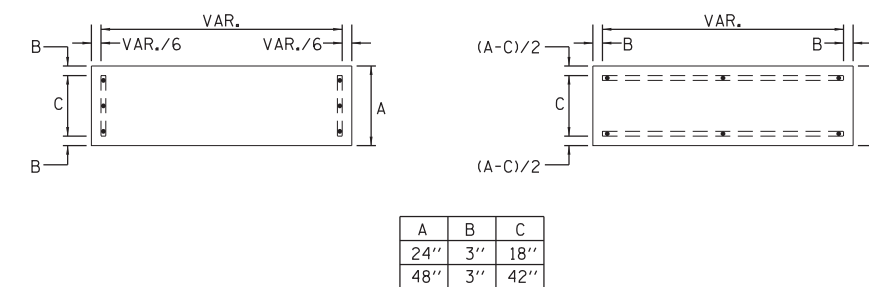
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011, AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 4'-0" X 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL MAST ARM MOUNTED STREET NAME SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING).
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 10'0".

MOUNTING LOCATION

ARM OR POLE MOUNTED



SUPPORTING CHANNELS



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	DATE - 02/14/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL SIGN DETAILS

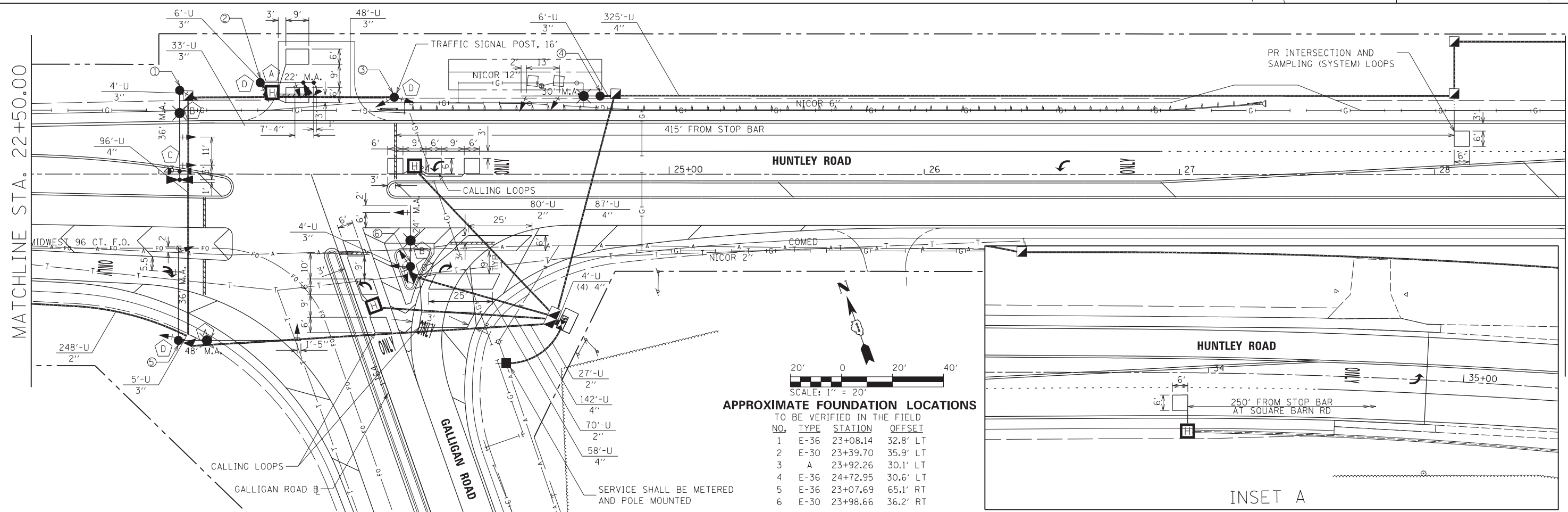
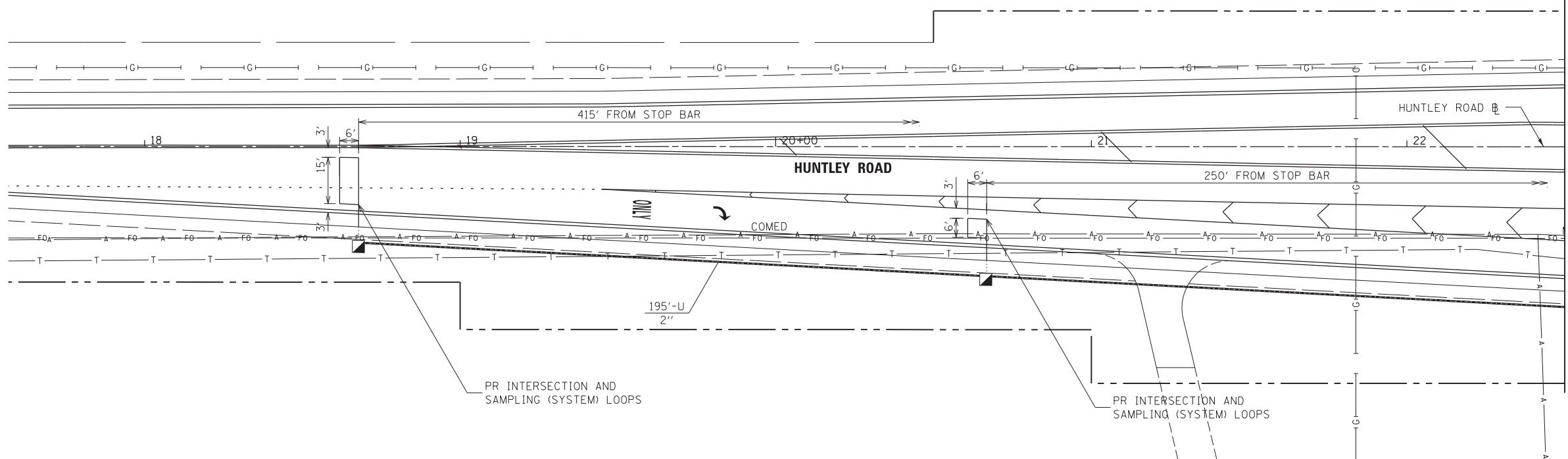
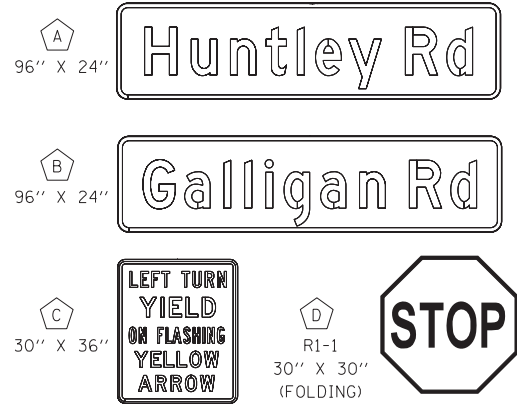
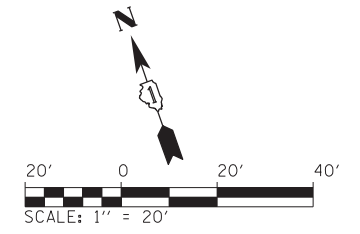
SCALE: SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	46
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 REESPECTIVELY.

CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL FOUNDATIONS TO AVOID CONFLICTS PRIOR TO ORDERING MAST ARM ASSEMBLIES. IN THE EVENT THAT A LONGER ARM BE REQUIRED TO OBTAIN THE DESIRED SIGNAL HEAD LAYOUT, THEN THE COST FOR A LONGER ASSEMBLY SHALL NO BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT COST BID FOR THE MAST ARM ASSEMBLY BEING INSTALLED.

THE CONTRACTOR SHALL PROVIDE 2-3" RACEWAYS IN THE FOUNDATION OF ALL MAST ARM POLE FOUNDATIONS AT THIS INTERSECTION FOR LUMINAIRE WIRING. COST TO BE INCLUDED IN FOUNDATION INSTALLATION.



APPROXIMATE FOUNDATION LOCATIONS TO BE VERIFIED IN THE FIELD

NO.	TYPE	STATION	OFFSET
1	E-36	23+08.14	32.8' LT
2	E-30	23+39.70	35.9' LT
3	A	23+92.26	30.1' LT
4	E-36	24+72.95	30.6' LT
5	E-36	23+07.69	65.1' RT
6	E-30	23+98.66	36.2' RT

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 DATE - 02/14/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLANS
 TRAFFIC SIGNAL INSTALLATION PLAN**

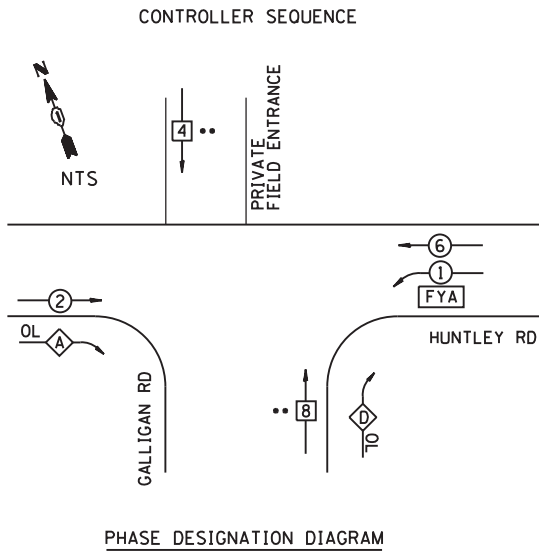
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	47

CONTRACT NO. 63858
 ILLINOIS FED. AID PROJECT

MATCHLINE STA. 22+50.00

SEE INSET A



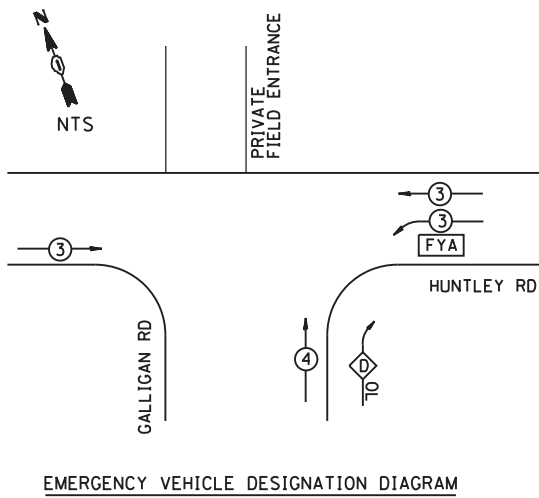
LEGEND:

- ⊕ DUAL ENTRY PHASE
- ⊖ SINGLE ENTRY PHASE
- OL OVERLAP
- ⊙ PEDESTRIAN PHASE
NUMBER REFERS TO ASSOCIATED PHASE
- PHASES 4 & 8 SHALL OPERATE IN SPLIT PHASE OPERATIONS

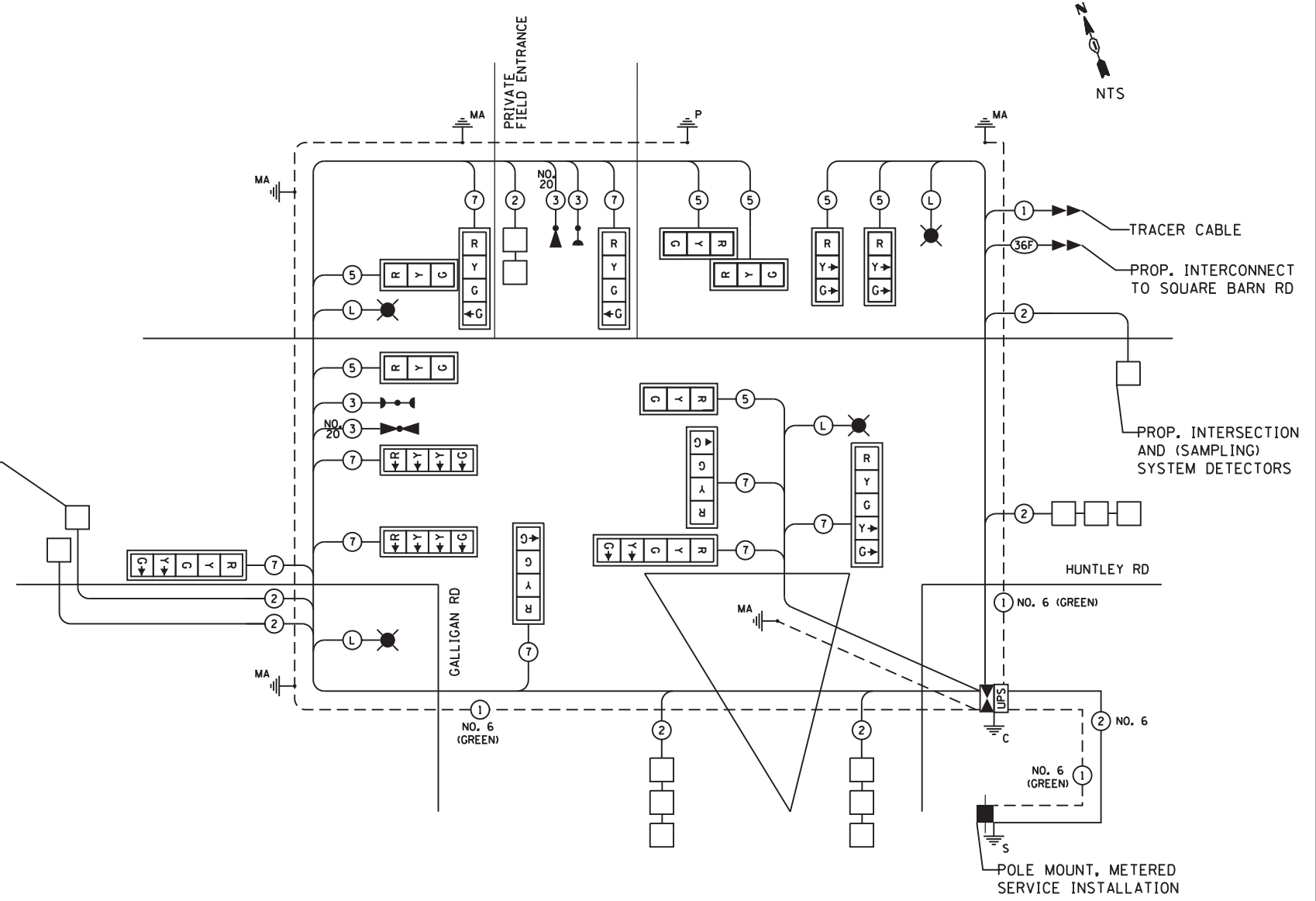
OVERLAP

A = 8

D = 8 + 1



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑



LEGEND:

- ⊙ LUMINAIRE
- ⊖ LIGHTING CABLE (SEE LIGHTING PLANS)

I.D.O.T. / KANE COUNTY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	14	11	50		77.0
(YELLOW)	12	20	5		12.0
(GREEN)	12	12	45		64.8
ARROW (EXCEPT FYA)	20	10	10		20.0
FLASHING YELLOW ARROW (FYA)	2	12	30		7.2
PEDESTRIAN SIGNAL	-	20	100		-
CONTROLLER	1	100	100		100.0
UPS	-	25	100		-
ILLUM. SIGN (BLACK OUT)	-	25	5		-
VIDEO DETECTION SYSTEM	-	150	100		-
ILLUM. STREET NAME SIGN	-	120	50		-
LUMINAIRE (COMBO POLE)	-	-	50		-
PTZ / SURVEILLANCE CAMERA	-	60	100		-
LUMINAIRE	-	-	50		-
TOTAL =					281.0

ENERGY COST TO: KANE COUNTY DIVISION OF TRANSPORTATION
41W011 BURLINGTON ROAD
ST. CHARLES, IL 60175

ENERGY SUPPLY: CONTACT: FRANCES PIATKOWSKI
PHONE: 815-477-5222
COMPANY: COMED

CMT License No. 184-00613	USER NAME = Mike Moes	DESIGNED - CMC	REVISED -
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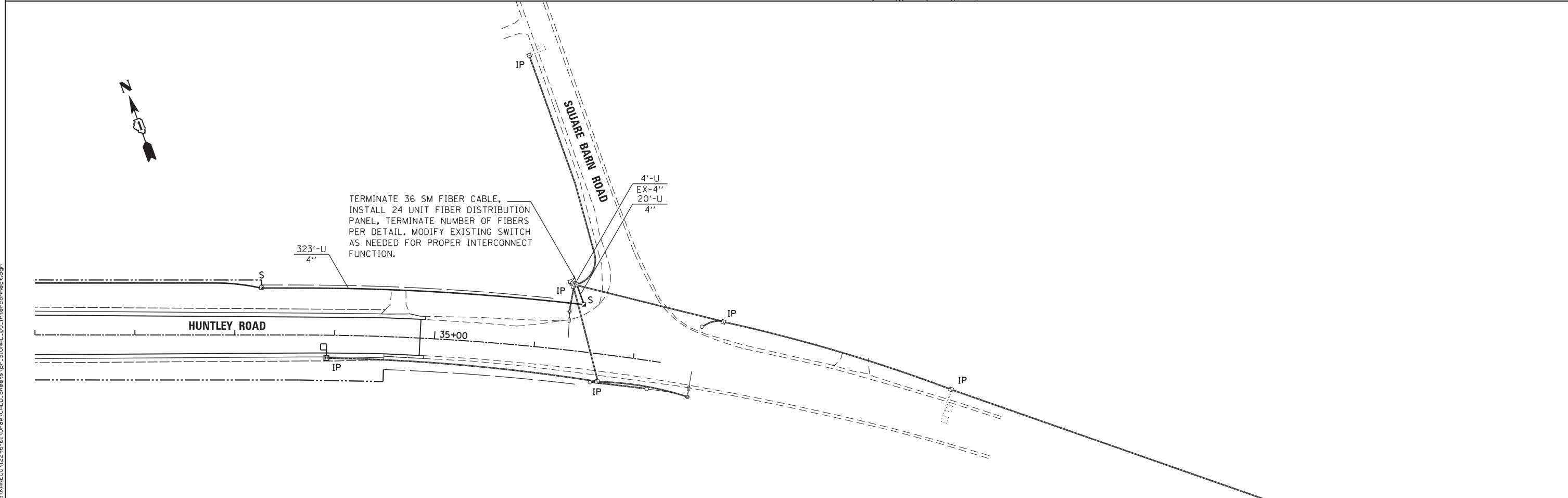
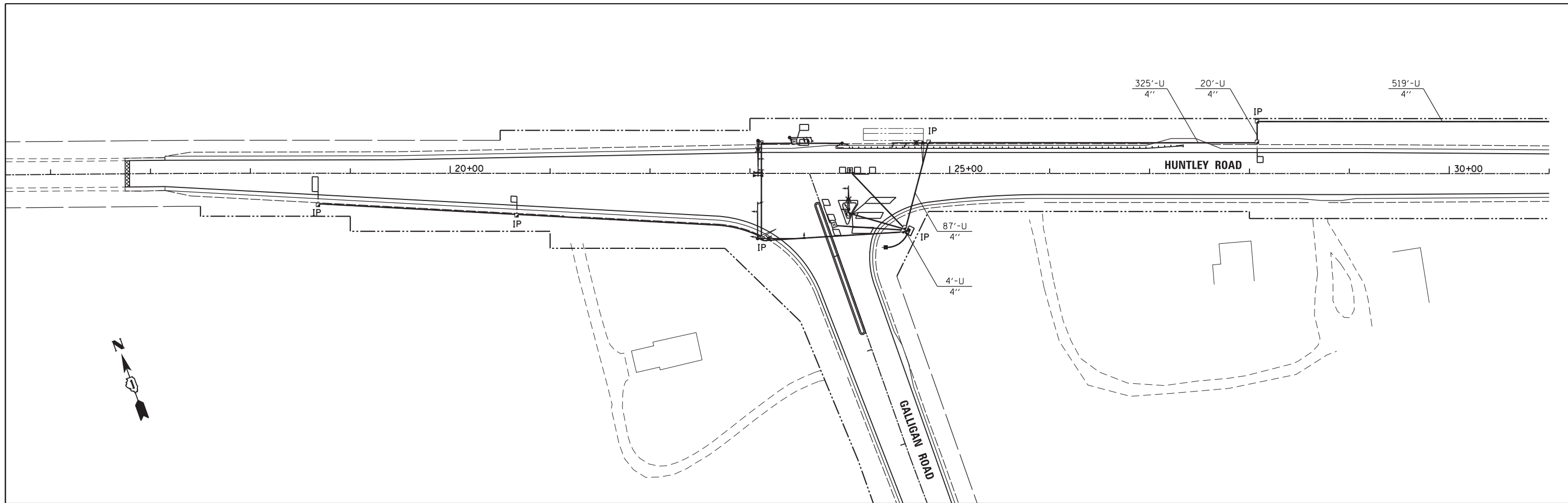
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL PLANS	
TRAFFIC SIGNAL CABLE PLAN	
SCALE:	SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	48
CONTRACT NO. 63858				

ILLINOIS FED. AID PROJECT

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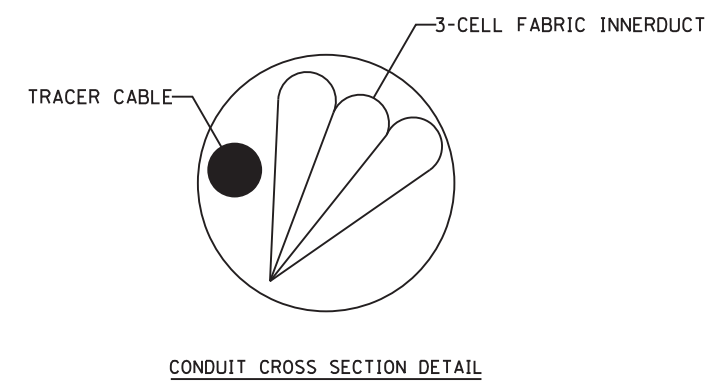
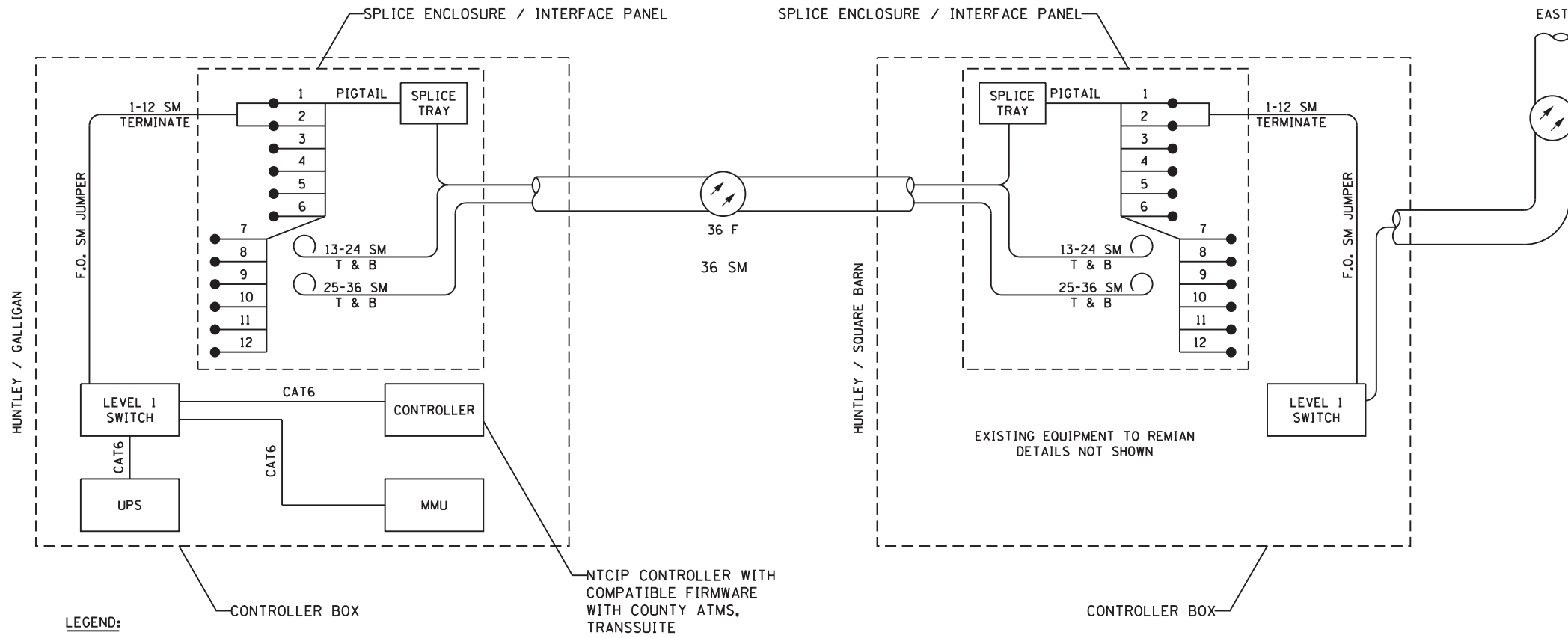
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLANS
TRAFFIC SIGNAL INTERCONNECT PLAN**

SCALE: SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	49
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

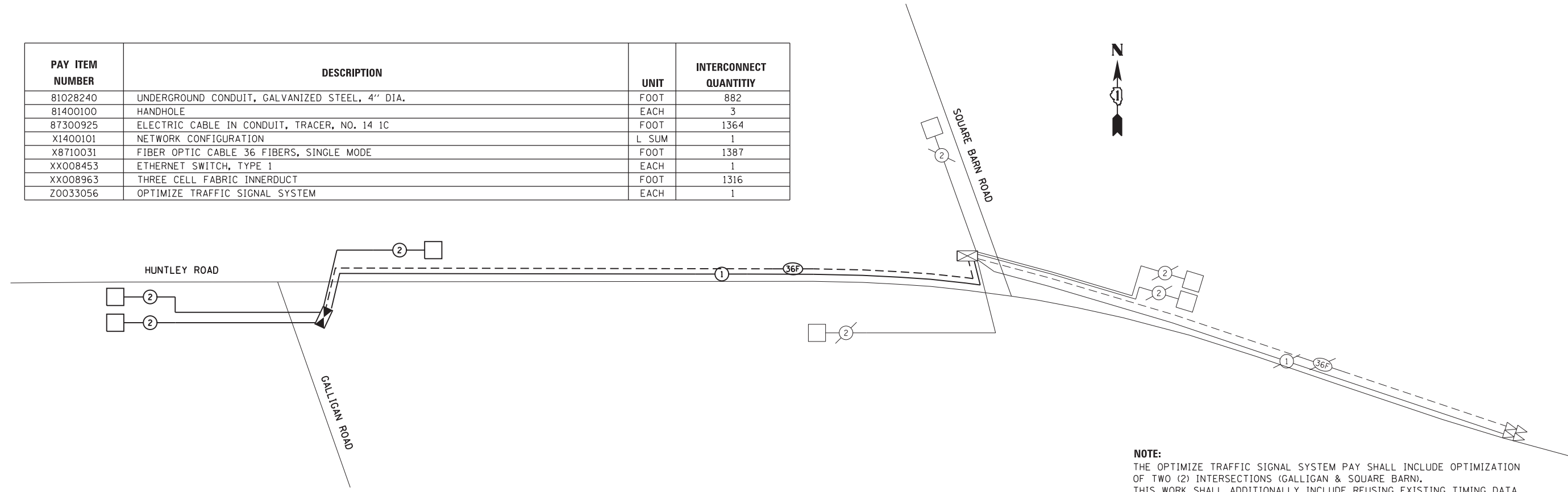


LEGEND:
 F.O. DUAL ENTRY PHASE
 T & B SINGLE ENTRY PHASE
 ● TERMINATION

CONTROLLER BOX
 NTCIP CONTROLLER WITH COMPATIBLE FIRMWARE WITH COUNTY ATMS, TRANSSUITE

FIBER OPTIC SPLICING DIAGRAMS

PAY ITEM NUMBER	DESCRIPTION	UNIT	INTERCONNECT QUANTITY
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	882
81400100	HANDHOLE	EACH	3
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1364
X1400101	NETWORK CONFIGURATION	L SUM	1
X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	1387
XX008453	ETHERNET SWITCH, TYPE 1	EACH	1
XX008963	THREE CELL FABRIC INNERDUCT	FOOT	1316
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1



NOTE:
 THE OPTIMIZE TRAFFIC SIGNAL SYSTEM PAY SHALL INCLUDE OPTIMIZATION OF TWO (2) INTERSECTIONS (GALLIGAN & SQUARE BARN). THIS WORK SHALL ADDITIONALLY INCLUDE REUSING EXISTING TIMING DATA FOR THE HUNTLEY / BOYER INTERSECTION.

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
 TRAFFIC SIGNAL SCHEMATIC

SCALE: SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	50
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. PRIOR TO THE INSTALLATION OF THE NEW CABLES, UNDERGROUND CONDUITS, CONCRETE ENCASED CONDUITS, UNIT DUCTS, HANDHOLES, JUNCTION BOXES, LIGHT POLE FOUNDATIONS, CONTROLLER FOUNDATIONS, AND APPURTENANCES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING CONDUITS, CABLES, AND UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. TO AID IN THIS TASK.
2. THE CONTRACTOR SHALL VERIFY ALL OF THE DATA SHOWN ON THE CONTRACT PLANS AND REFERENCE DRAWINGS, WHICH WOULD AFFECT THEIR WORK UNDER THIS CONTRACT.
3. ALL NEW CABLES, CONDUITS, HANDHOLES, JUNCTION BOXES, AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY. PROPOSED ROUTING OF THE UNDERGROUND CONDUITS, AS SHOWN IN THE PLANS, IS FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY THE ACTUAL ROUTING LOCATION IN THE FIELD WITH THE APPROVAL OF THE ENGINEER.
4. ALL SPLICES SHALL BE HEAT SHRINK AND WATERPROOF AND INSTALLED INSIDE LIGHT POLE BASES OR JUNCTION BOXES. NO DIRECT BURIED SPLICES SHALL BE ALLOWED.
5. LUMINAIRES MUST BE INSTALLED ON LIGHT STANDARDS WITHIN A MAXIMUM OF 48 HOURS AFTER LIGHT STANDARD IS ERECTED.
6. THE ELECTRICAL MATERIAL SHALL BE NEW AND OF THE TYPE AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS:
 - NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
 - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
 - ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
 - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
 - U.S. DEPARTMENT OF TRANSPORTATION
 - UNDERWRITERS LABORATORIES
 - AMERICAN STANDARD INSTITUTE
 - INSULATED POWER CABLE ENGINEERS ASSOCIATION
7. UNDERGROUND CONDUITS AND CABLE DUCTS SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICTS WITH UNDERDRAINS AND OTHER UTILITIES.
8. WHERE MULTIPLE CABLE DUCTS OR UNDERGROUND CONDUITS ADJACENT TO EACH OTHER ARE INSTALLED IN A COMMON TRENCH, TRENCH AND BACKFILL SHALL BE CONTINUOUS BETWEEN EACH CABLE DUCT OR UNDERGROUND CONDUIT FOR THE LENGTH OF THE COMMON TRENCH.
9. ANY UTILITY POLES NEEDED FOR NEW ELECTRIC SERVICE SHALL BE INSTALLED BY THE ELECTRIC UTILITY COMPANY. CONTRACTOR SHALL INSTALL UNDERGROUND CONDUITS, GROUNDING, DISCONNECT SWITCH, AND ANY SECONDARY CONDUCTORS TO THE UTILITY POLE. COORDINATE ALL WORK WITH THE ELECTRIC UTILITY COMPANY REFER TO COMBINATION LIGHTING CONTROLLER DETAILS.
10. THE CONTRACTOR SHALL PREPARE A SCHEDULE WHEN THE PROJECT COMMENCES, WHICH ESTABLISHES THE DATE WHEN ELECTRICAL SERVICES ARE REQUIRED. THIS SCHEDULE SHALL BE FORWARDED IN WRITING TO THE ELECTRIC UTILITY COMPANY. SUBSEQUENT UPDATING TO THE SCHEDULE SHALL ALSO BE FORWARDED TO THE ELECTRIC UTILITY COMPANY AS CHANGES OCCUR A MINIMUM OF FIVE (5) DAYS BEFORE ELECTRICAL SERVICES ARE REQUIRED. THE CONTRACTOR SHALL NOTIFY THE ELECTRIC UTILITY COMPANY BY PHONE AND IN WRITING TO CONFIRM THE REQUIREMENT.
11. ANY SPLICES NECESSARY FOR A COMPLETE AND OPERATIONAL LIGHTING CIRCUIT SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "ELECTRIC CABLE IN CONDUIT", OF THE TYPE SPECIFIED ON THE PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SUMMARY OF QUANTITIES

ITEM NUMBER	SP	PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
1		80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
2		81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	225
3		81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	430
4		81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,565
5	*	X1400095	LUMINAIRE, LED, HORIZONTAL MOUNT, TYPE C	EACH	4
6	*	X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1

* INDICATES SPECIAL PROVISION

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

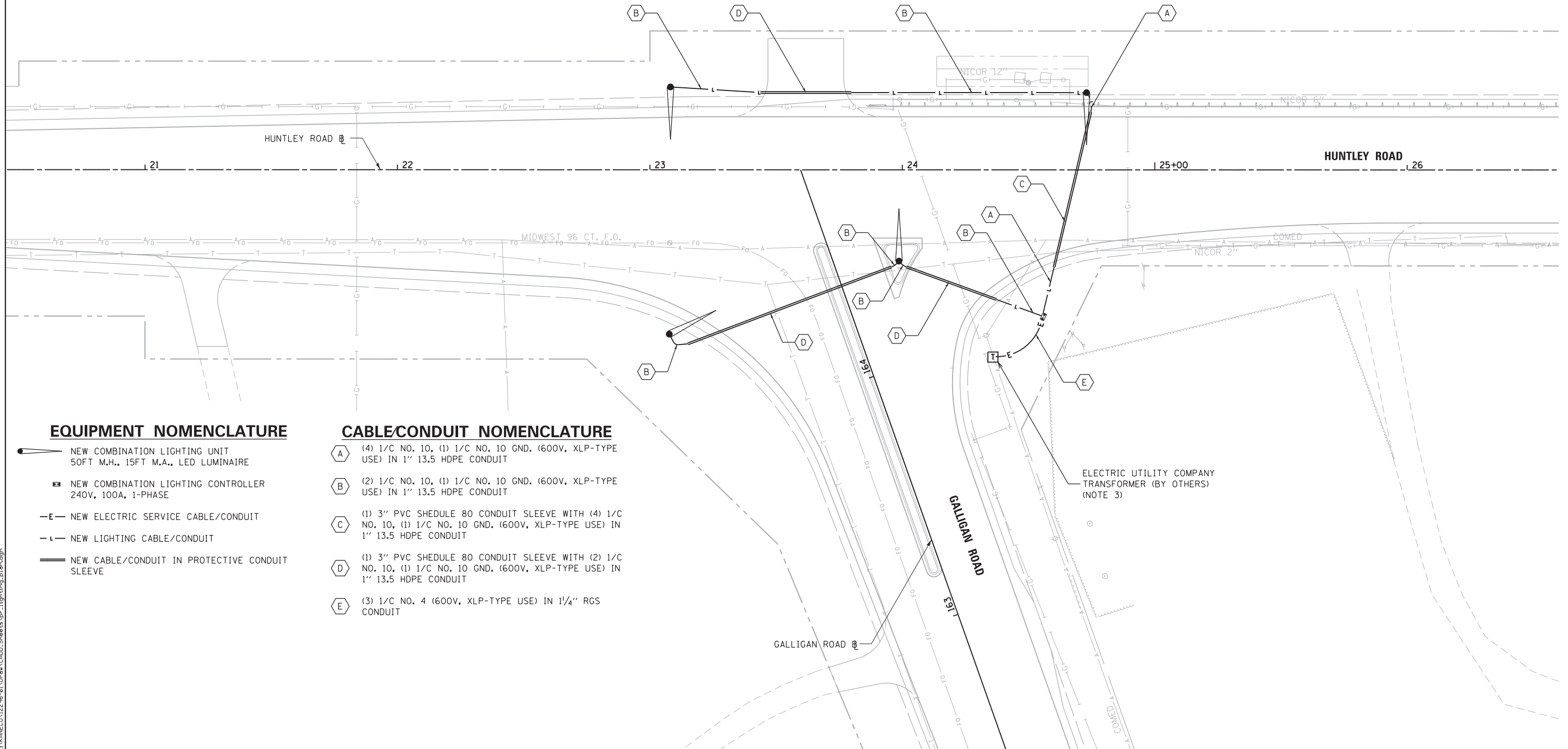
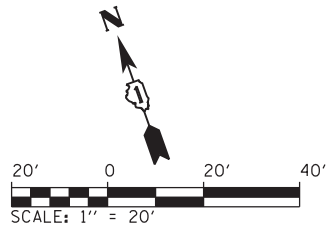
**ROADWAY LIGHTING
GENERAL NOTES AND SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	51
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

NOTES:

1. REFER TO SHEET 1 OF 2 FOR ROADWAY LIGHTING GENERAL NOTES.
2. REFER TO TRAFFIC SIGNAL PLAN FOR STATION AND OFFSET OF COMBINATION LIGHTING UNITS.
3. CABLE/CONDUIT INSTALLATION AND TERMINATIONS FOR NEW ELECTRICAL SERVICE SHALL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR ELECTRIC SERVICE INSTALLATION. NEW ELECTRIC SERVICE SHALL BE METERED, COORDINATE WITH ELECTRIC SERVICE COMPANY ON ELECTRIC SERVICE INSTALLATION.



EQUIPMENT NOMENCLATURE

- NEW COMBINATION LIGHTING UNIT
50FT M.H., 15FT M.A., LED LUMINAIRE
- NEW COMBINATION LIGHTING CONTROLLER
240V, 100A, 1-PHASE
- NEW ELECTRIC SERVICE CABLE/CONDUIT
- NEW LIGHTING CABLE/CONDUIT
- NEW CABLE/CONDUIT IN PROTECTIVE CONDUIT SLEEVE

CABLE/CONDUIT NOMENCLATURE

- (4) 1/C NO. 10, (1) 1/C NO. 10 GND. (600V, XLP-TYPE USE) IN 1" 13.5 HDPE CONDUIT
- (2) 1/C NO. 10, (1) 1/C NO. 10 GND. (600V, XLP-TYPE USE) IN 1" 13.5 HDPE CONDUIT
- (1) 3" PVC SCHEDULE 80 CONDUIT SLEEVE WITH (4) 1/C NO. 10, (1) 1/C NO. 10 GND. (600V, XLP-TYPE USE) IN 1" 13.5 HDPE CONDUIT
- (1) 3" PVC SCHEDULE 80 CONDUIT SLEEVE WITH (2) 1/C NO. 10, (1) 1/C NO. 10 GND. (600V, XLP-TYPE USE) IN 1" 13.5 HDPE CONDUIT
- (3) 1/C NO. 4 (600V, XLP-TYPE USE) IN 1/4" RGS CONDUIT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY LIGHTING
ROADWAY LIGHTING PLAN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	52
CONTRACT NO. 63858				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

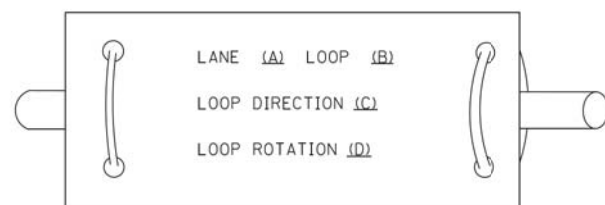
(NOT TO SCALE)

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

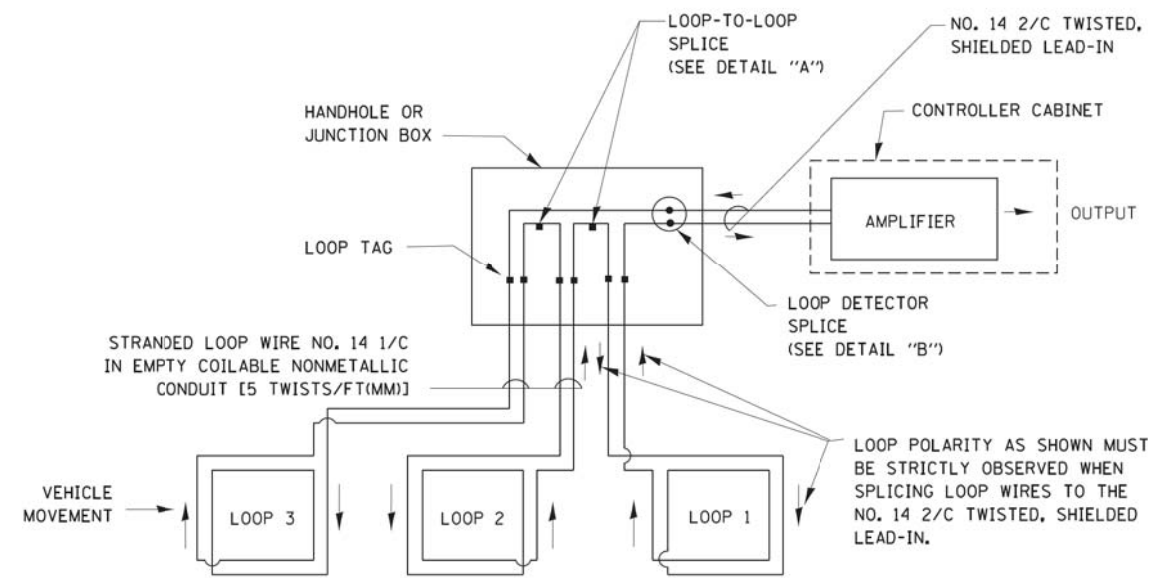
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

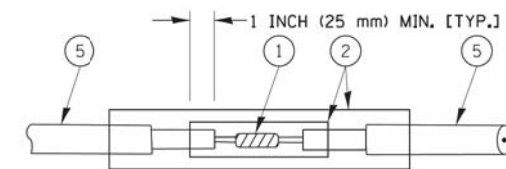


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

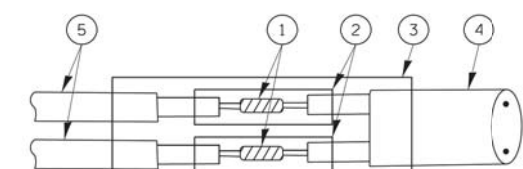


DETECTOR LOOP WIRING SCHEMATIC

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

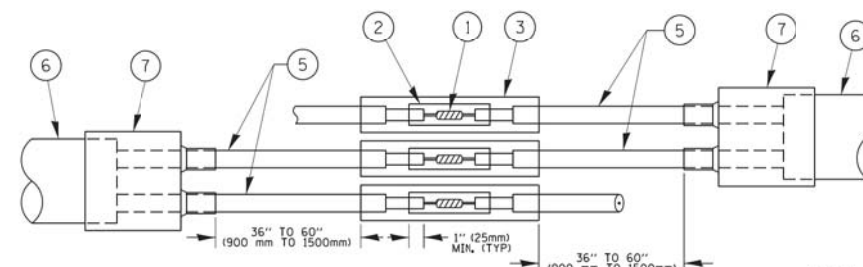


DETAIL "A"
LOOP-TO-LOOP SPLICE

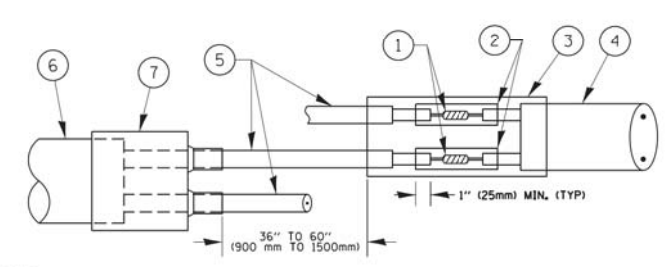


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

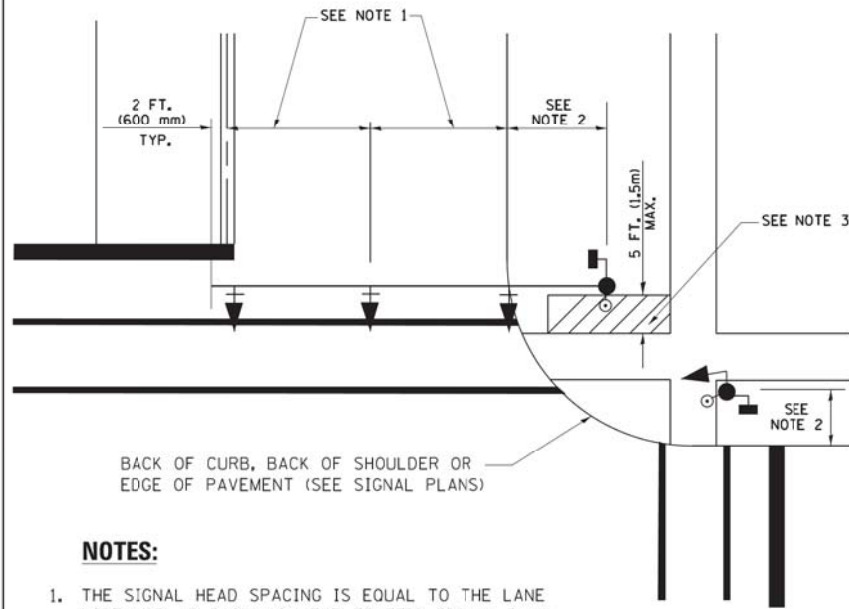
PREFORMED LOOP

LOOP DETECTOR SPLICE

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

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pe_work\p\dot\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	4066	08-00112-00-CH	KANE	93	54
		CHECKED - DAD	REVISED -					TS-05		CONTRACT NO. 63858			
		DATE - 10-28-09	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

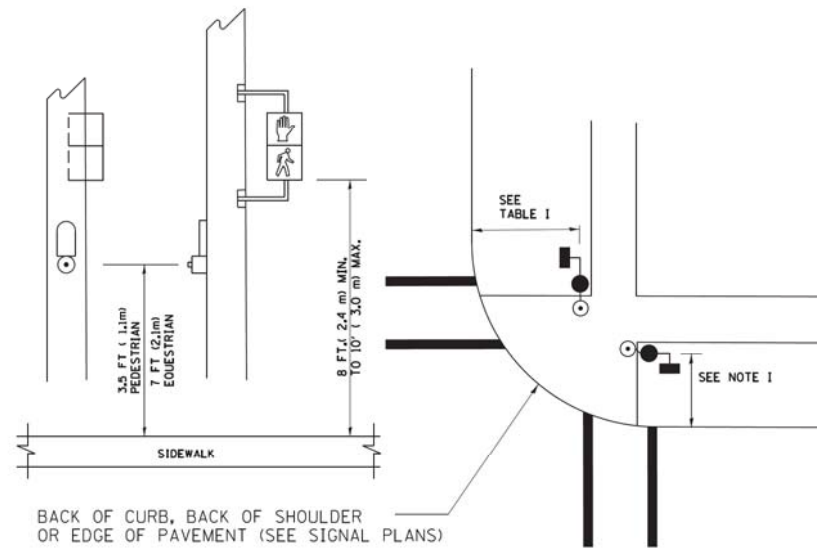
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

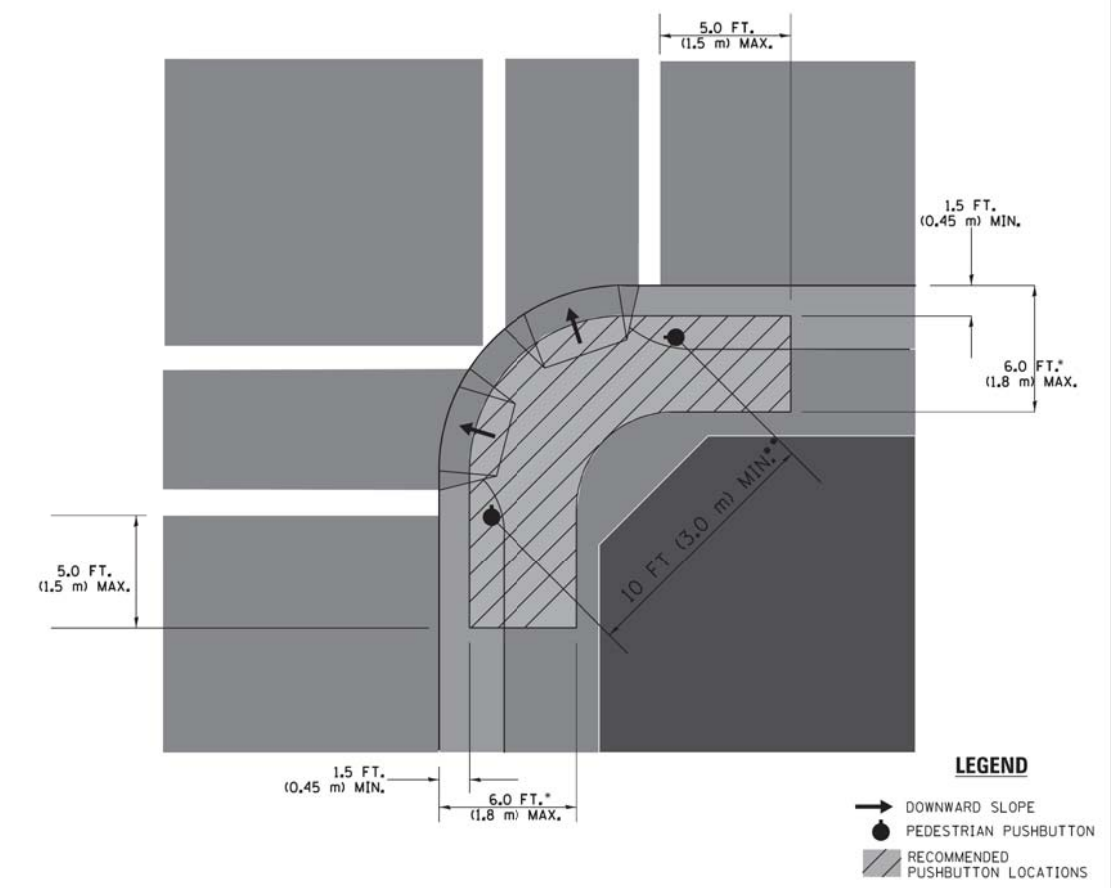
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

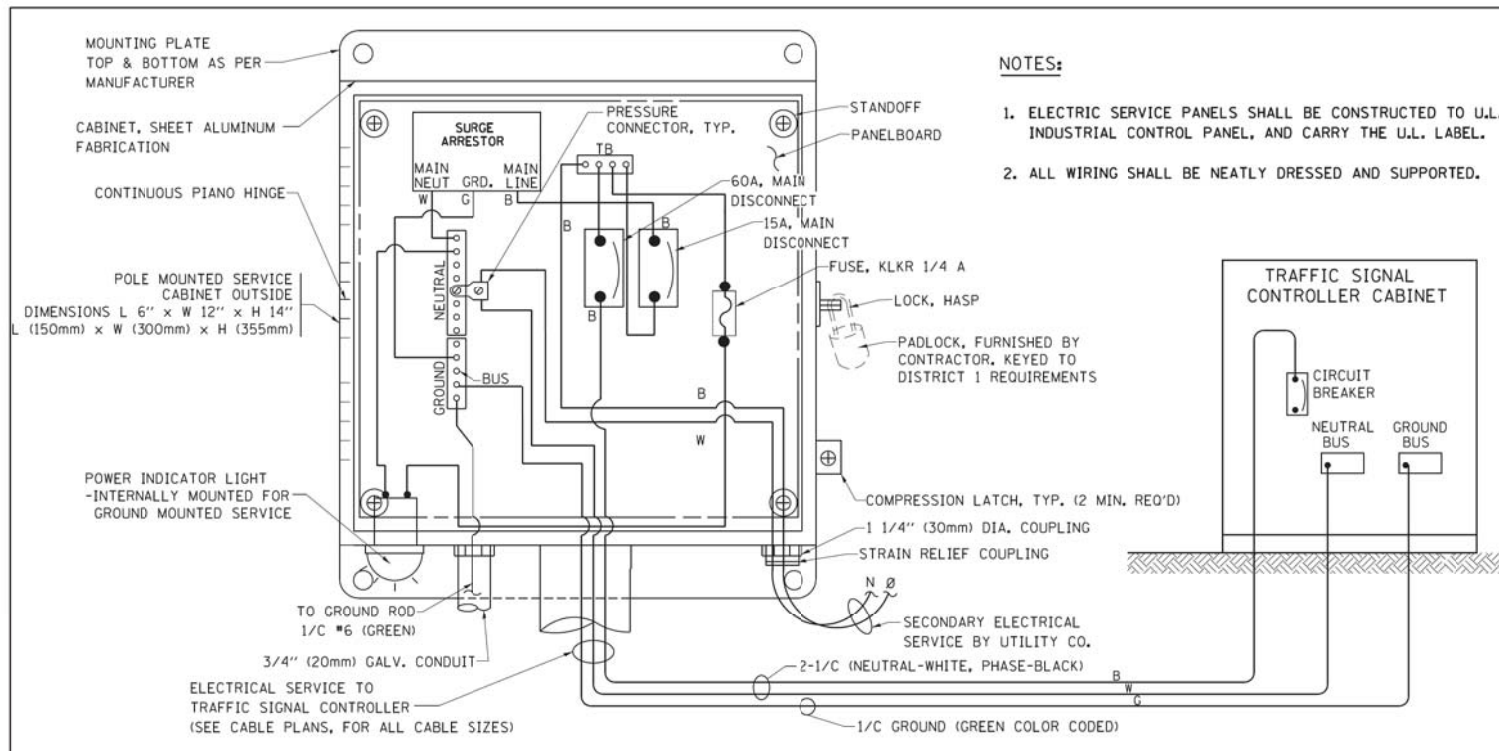
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

TRAFFIC SIGNAL EQUIPMENT OFFSET

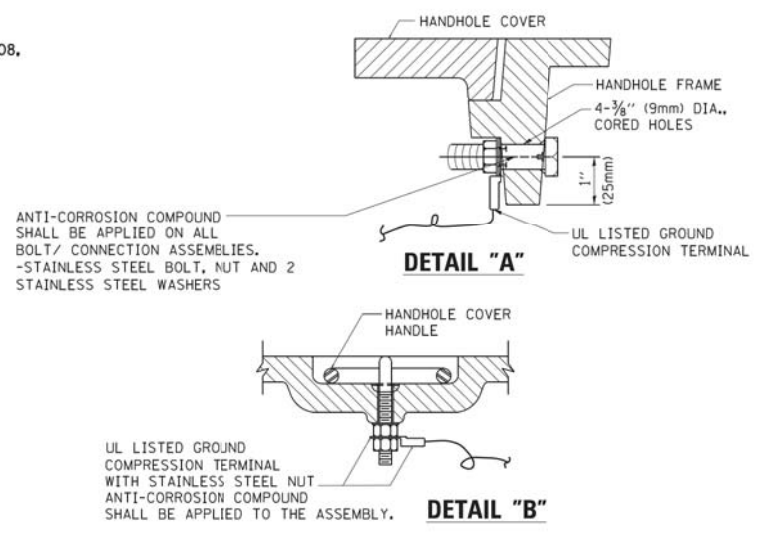
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

NOTES:

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

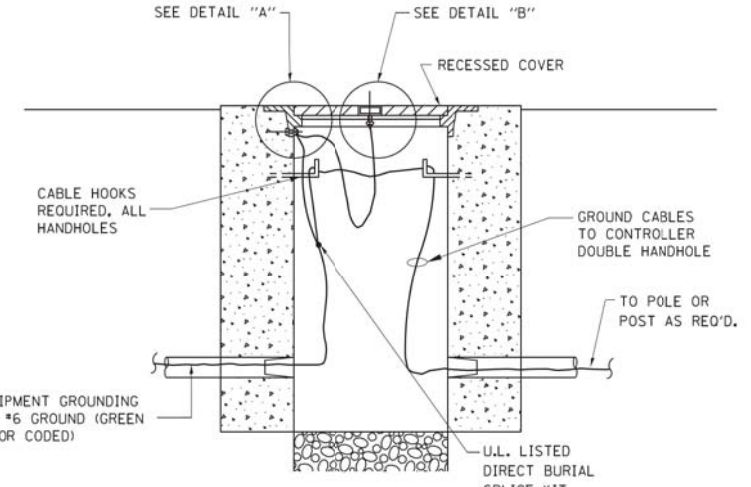


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

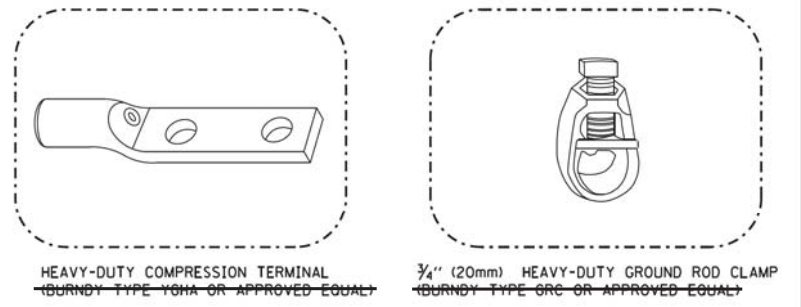


**NOTES:
GROUNDING SYSTEM**

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

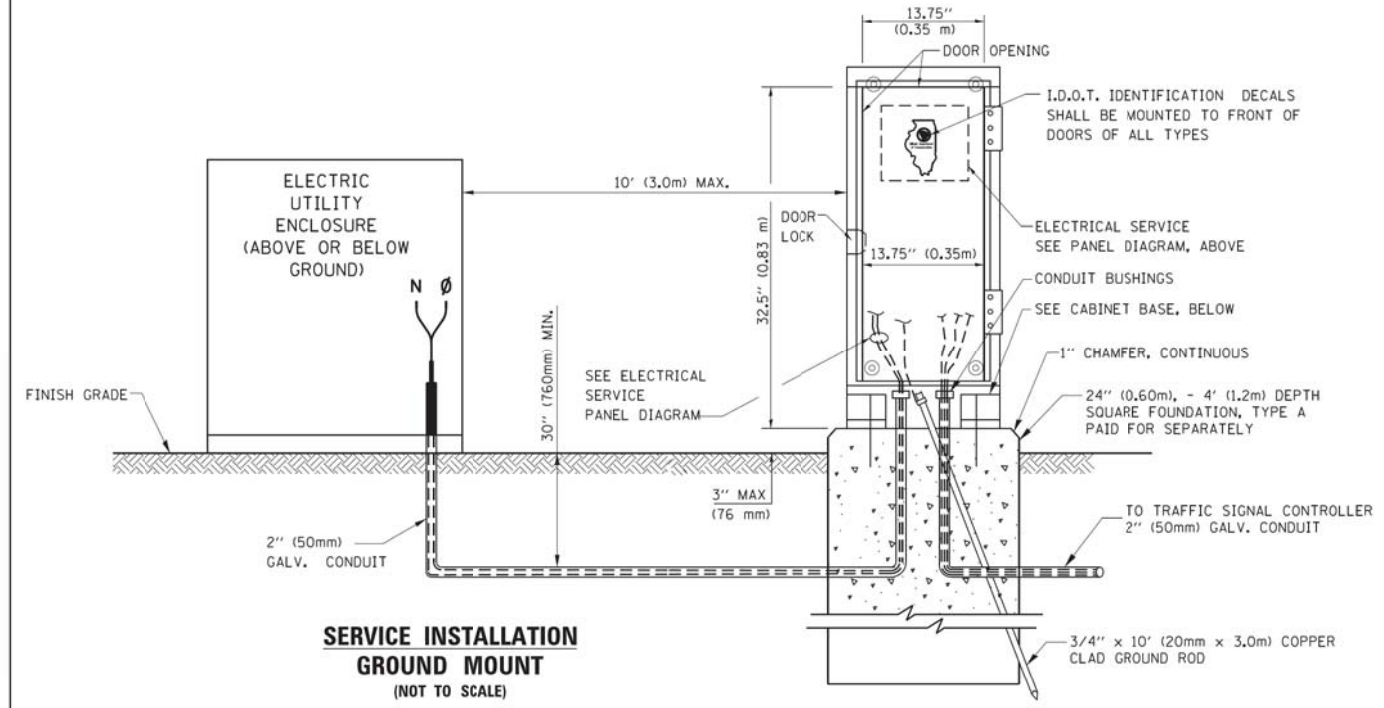


**HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)**

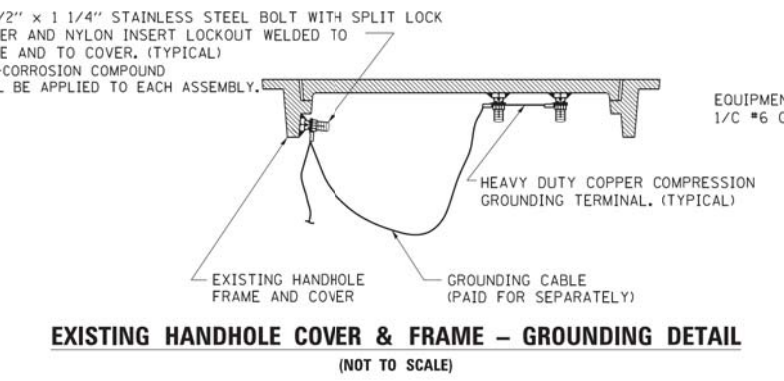


NOTES:

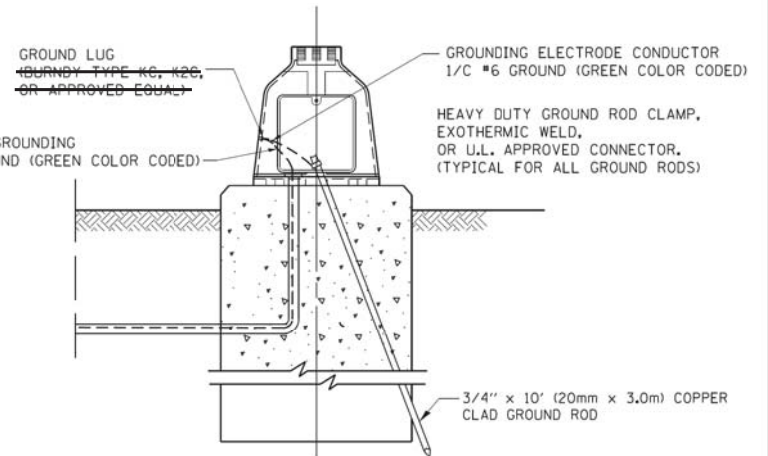
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



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

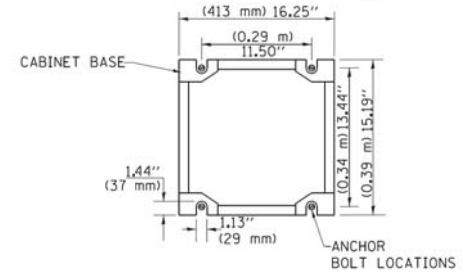


**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
(NOT TO SCALE)**



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

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

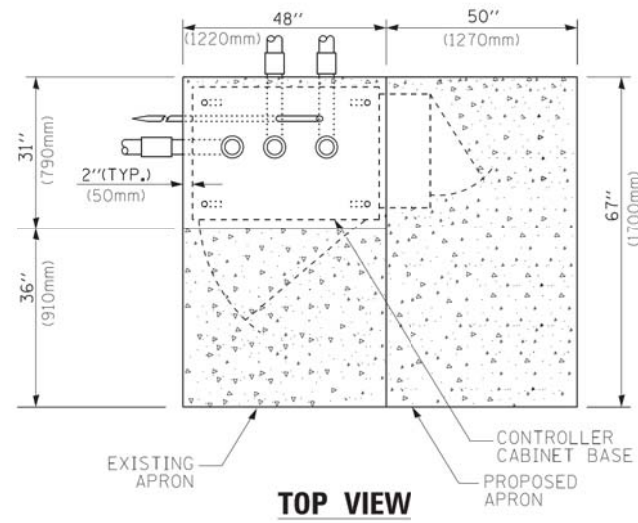


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		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

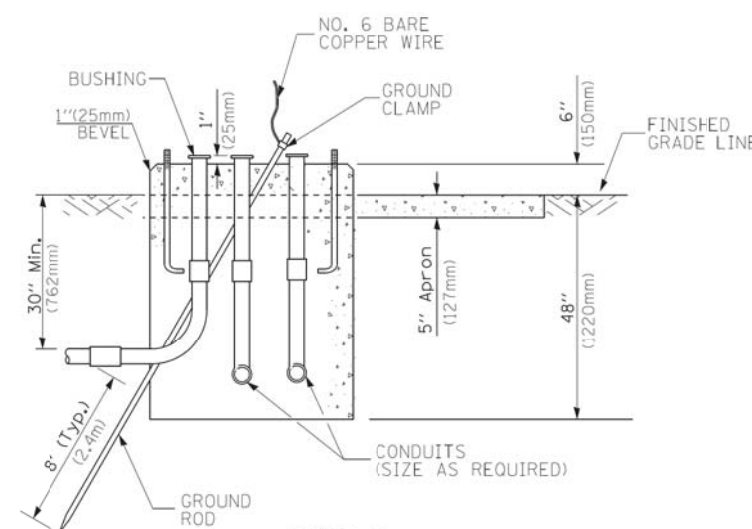
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS
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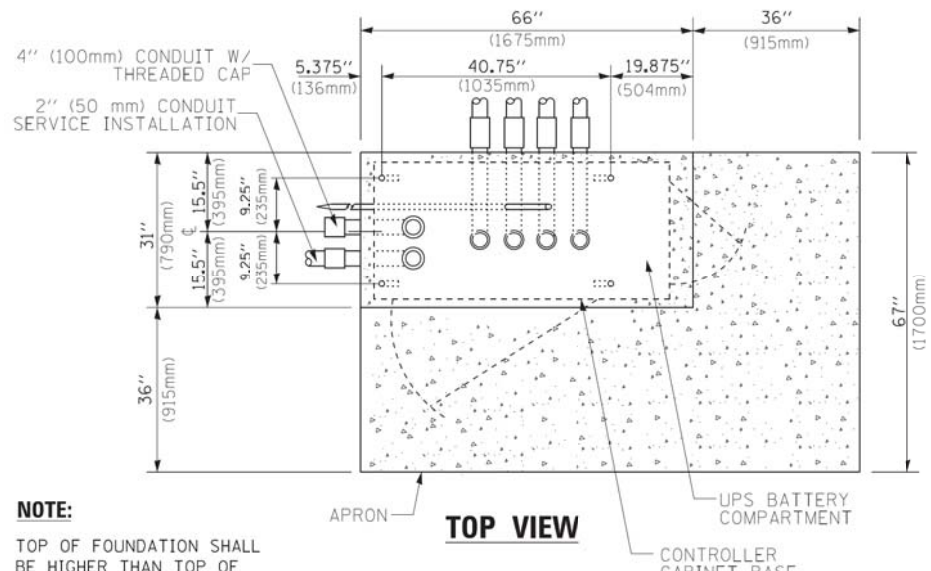
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-0012-00-CH	KANE	93	56
TS-05		CONTRACT NO. 63858		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW

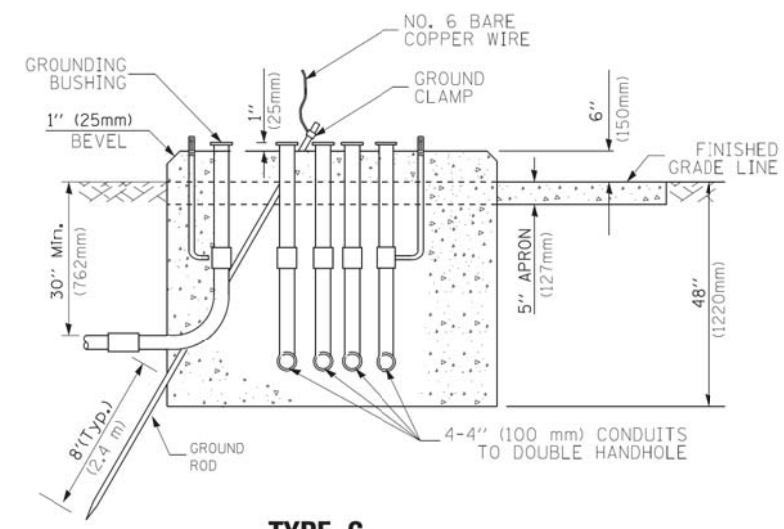


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

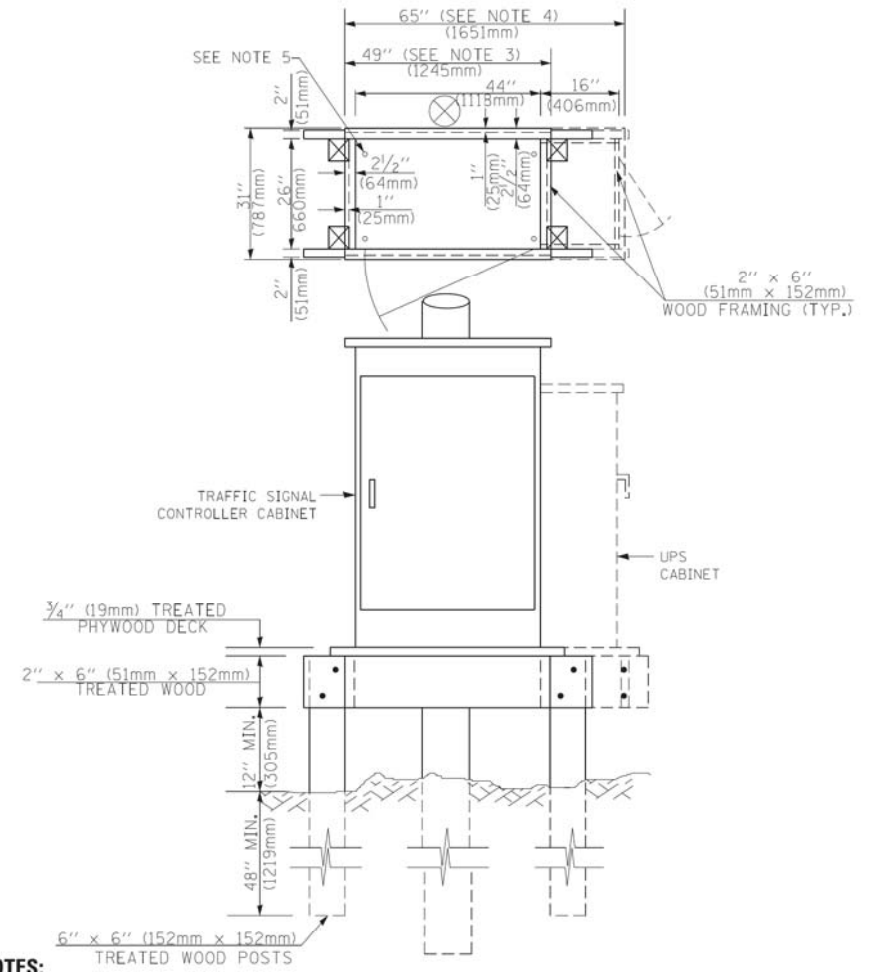


TOP VIEW

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



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

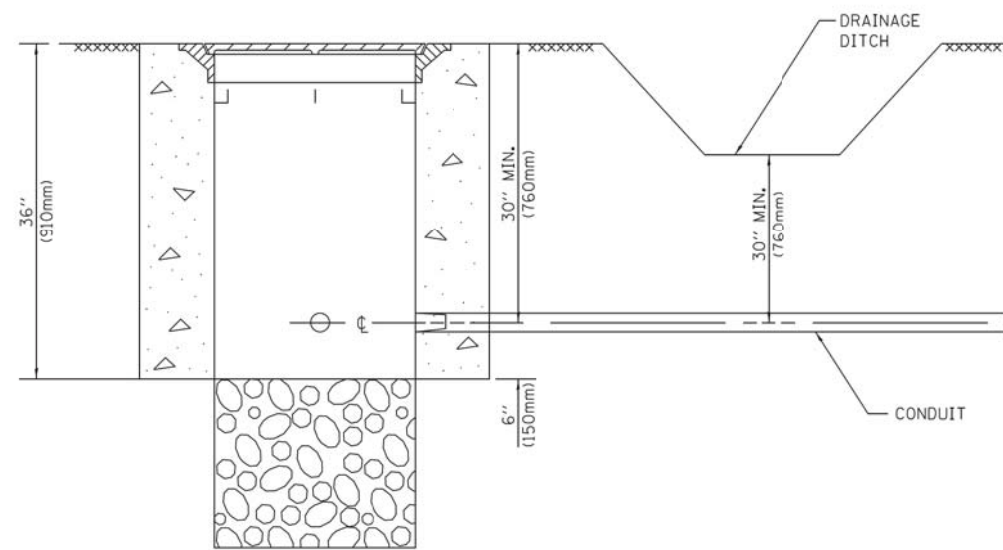
DEPTH OF FOUNDATION

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

NOTES:

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

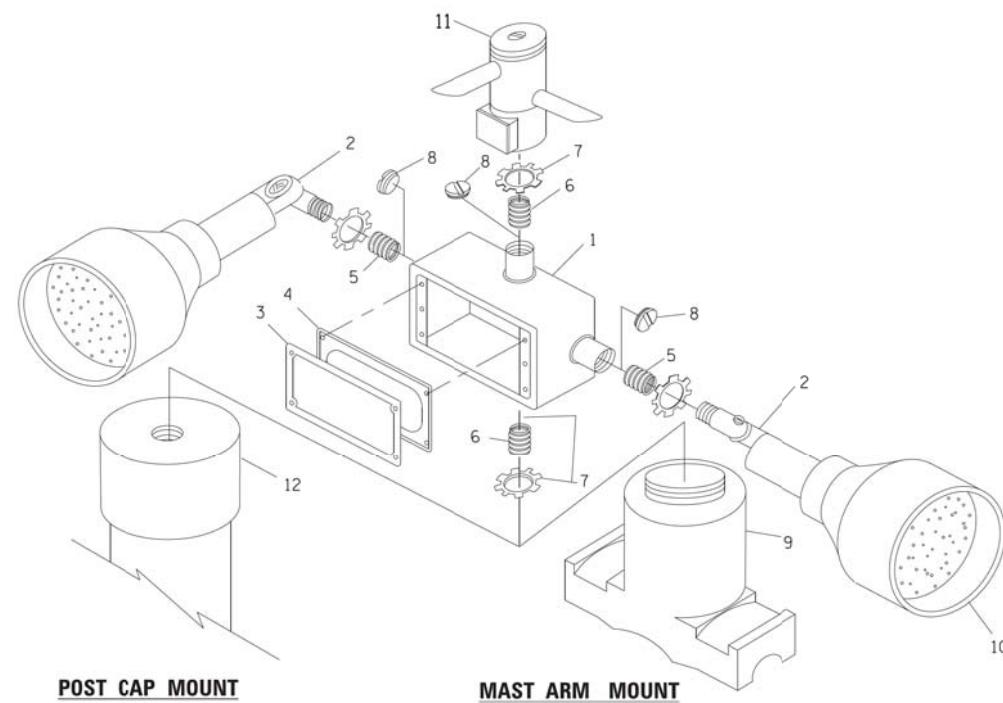
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



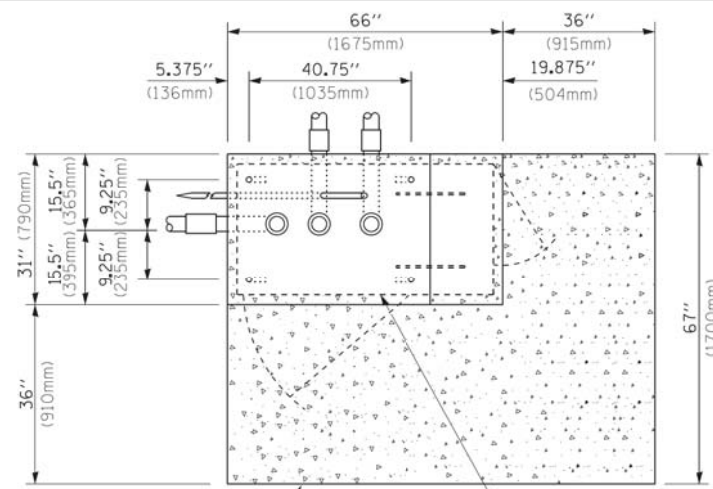
NOTES:

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

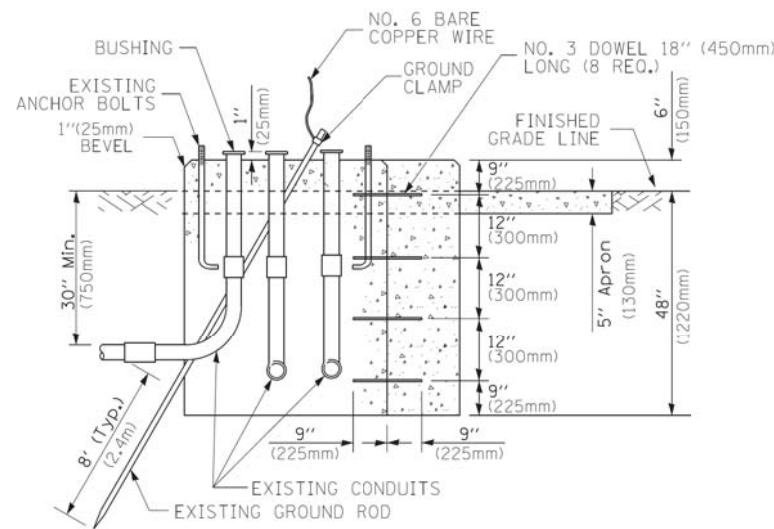
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)

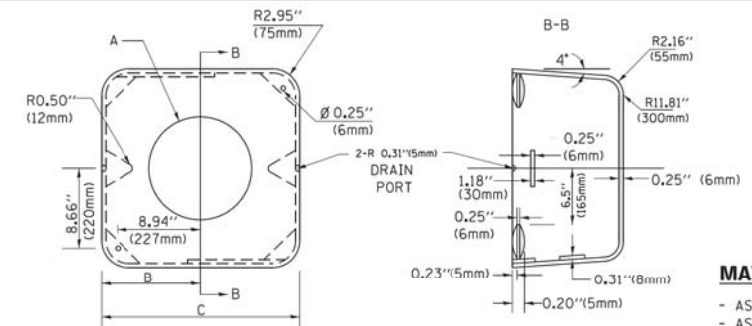


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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



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

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

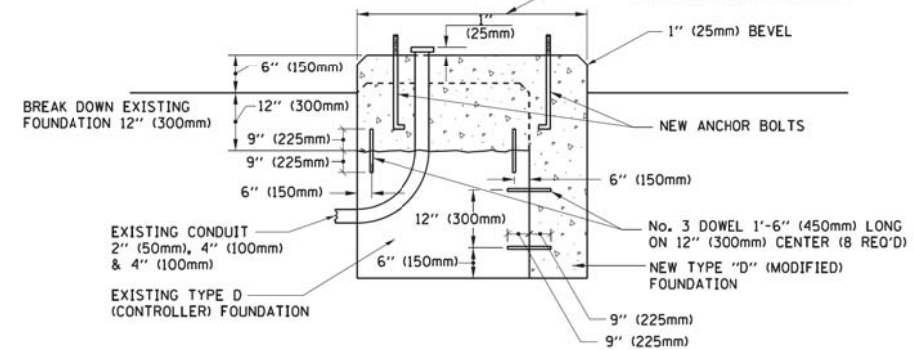
SHROUD

NOTES:

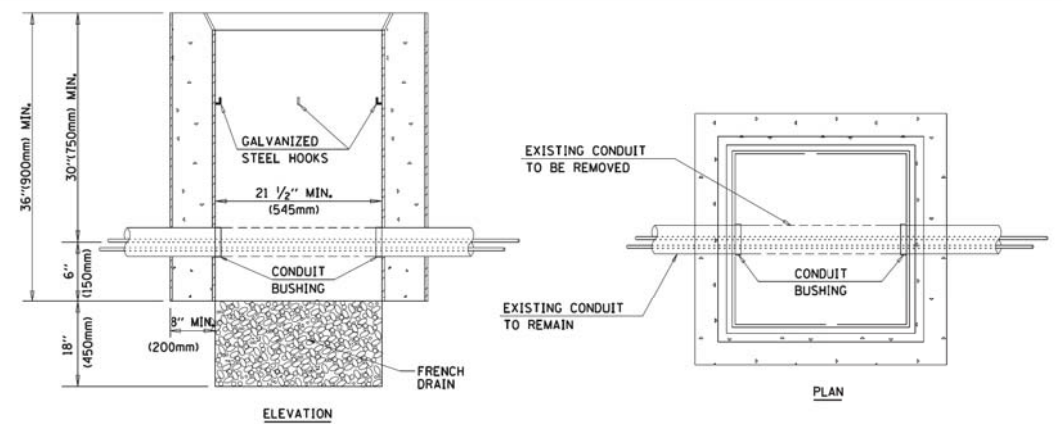
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

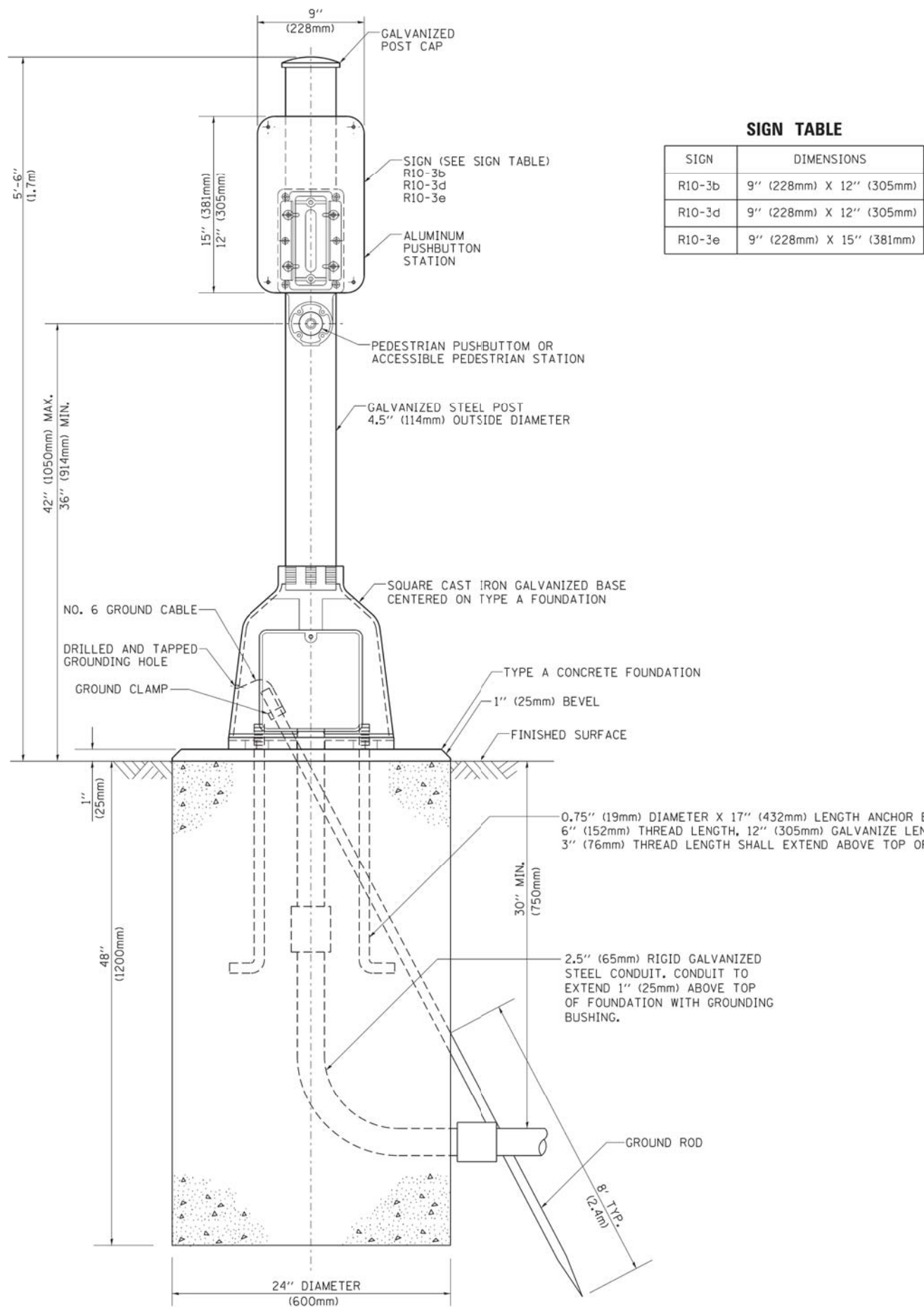
HANDHOLE TO INTERCEPT EXISTING CONDUIT

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	PLOT SCALE = 50,0000 ' / in.	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

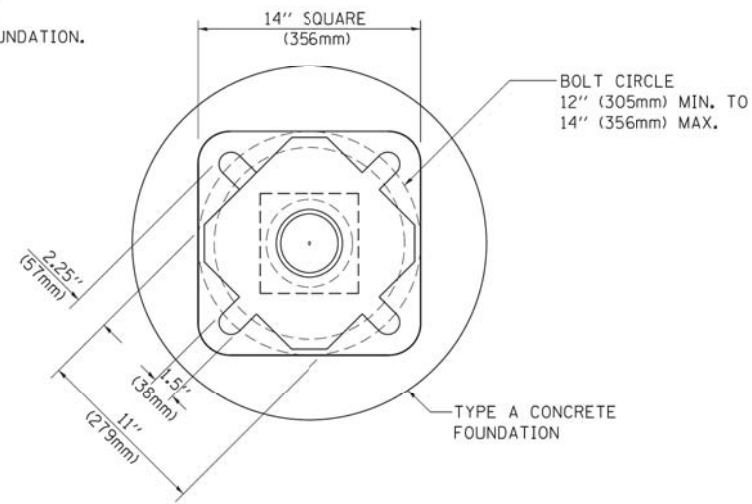
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	58
TS-05			CONTRACT NO. 63858	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

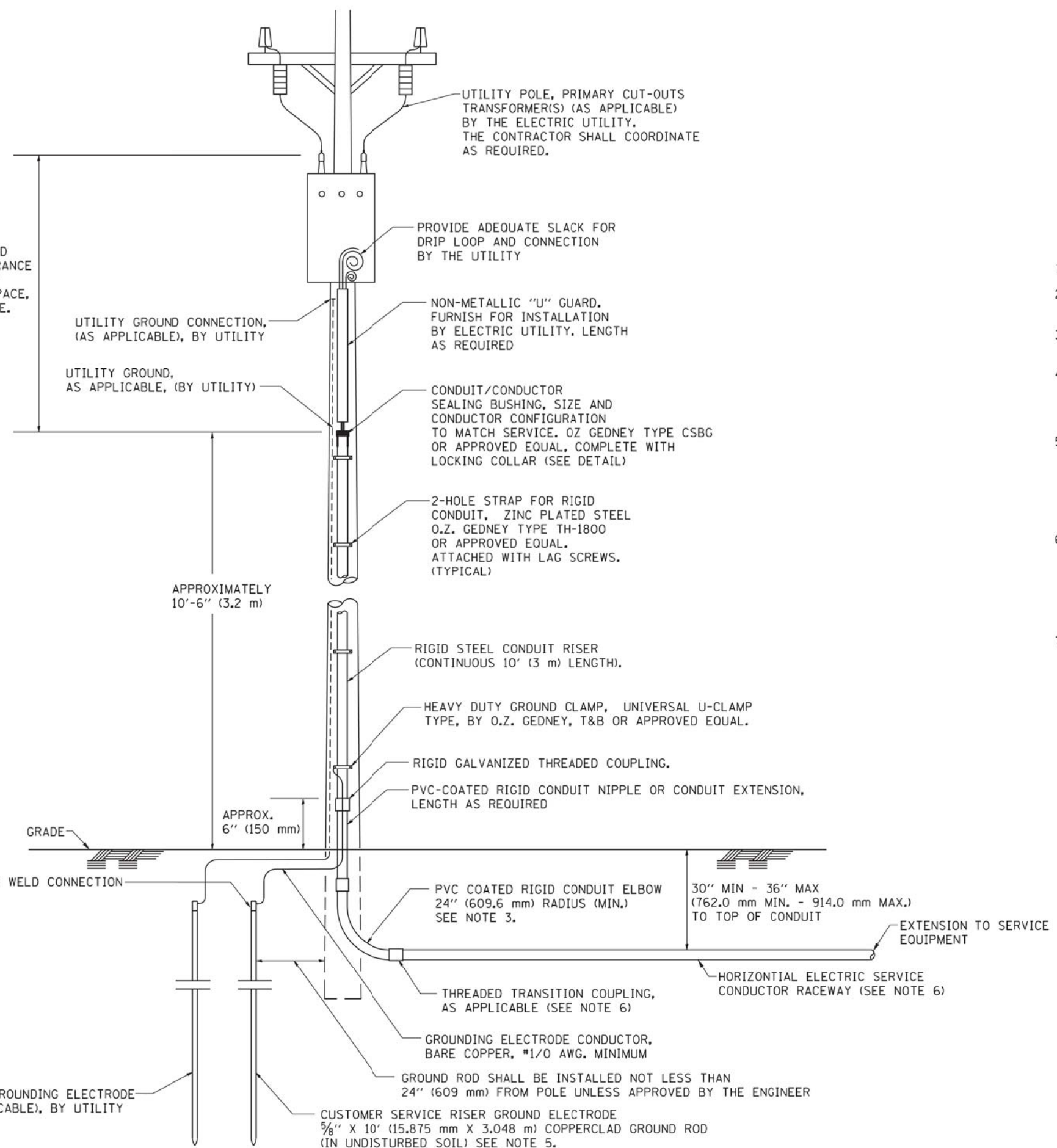
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	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	59
TS-05			CONTRACT NO. 63858	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

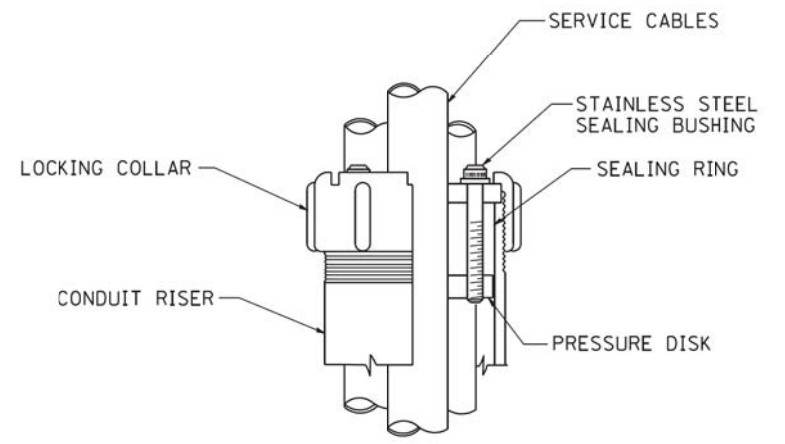


APPLICATION

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

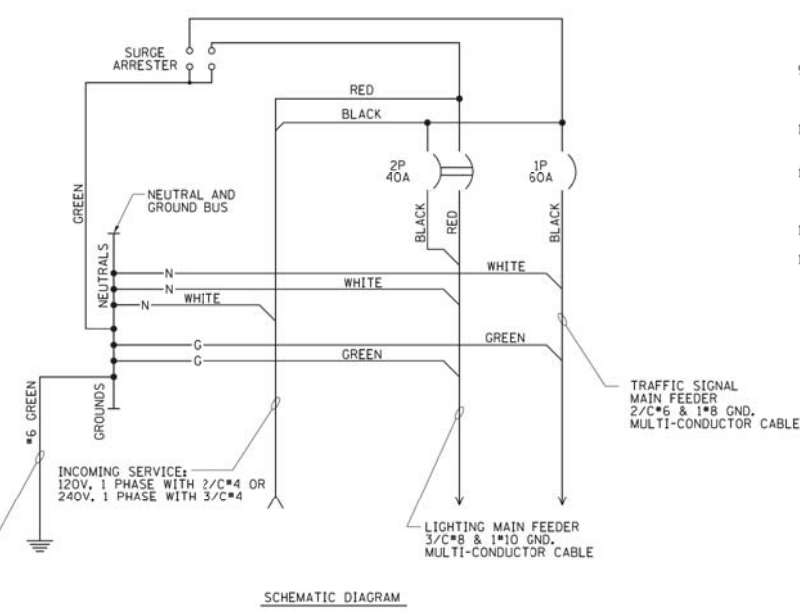
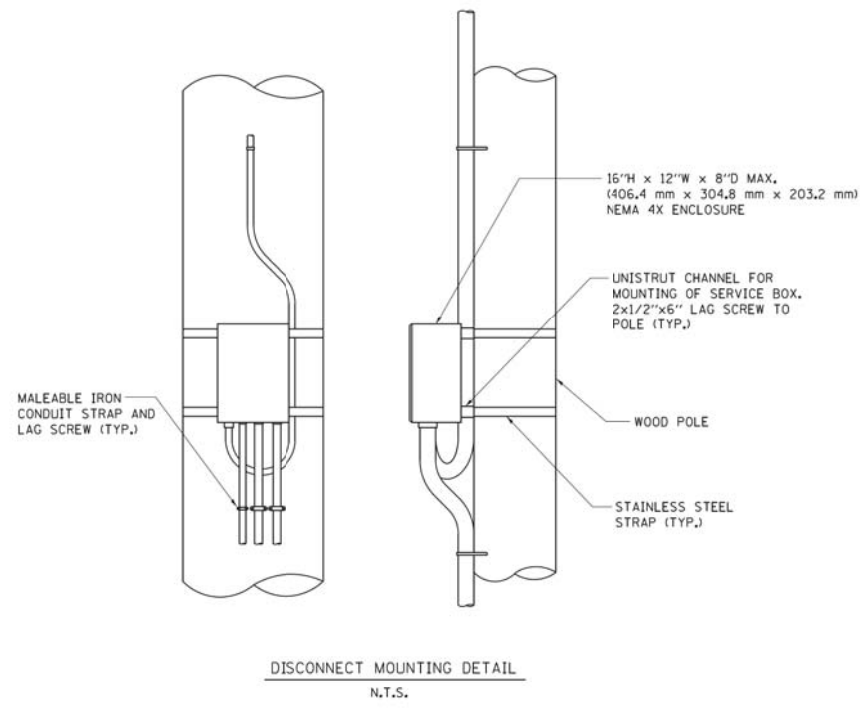
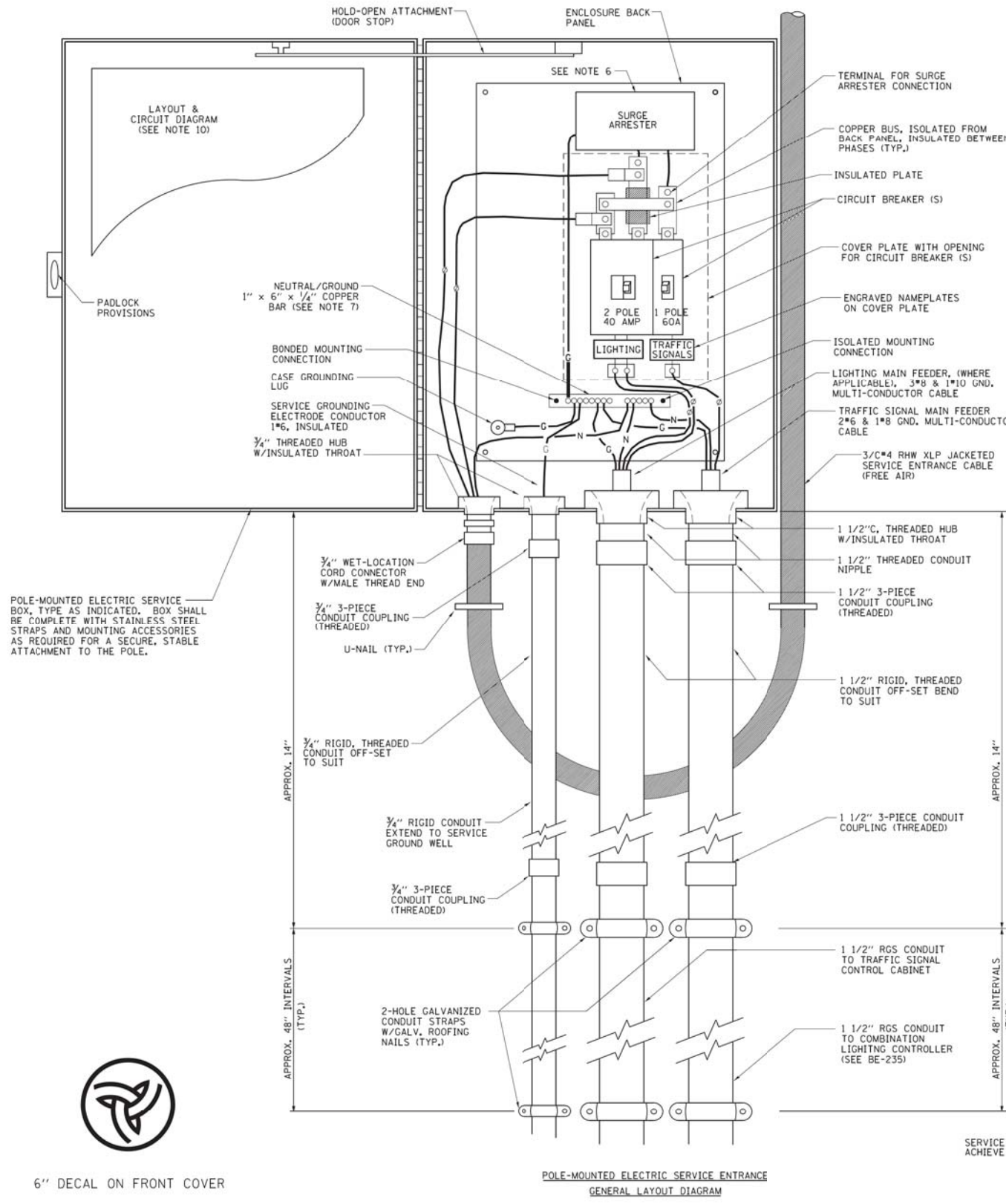
NOTES

- 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

FILE NAME = W:\dststd\22x34\be220.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISED - 03-03-06 REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT		F.A.U. RTE. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 60	
PLOT SCALE = 50,0000' / IN.	CHECKED - MEA	REVISIED -	REVISIED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BE-220		CONTRACT NO. 63858	
PLOT DATE = 1/4/2008	DATE -	REVISIED -	REVISIED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



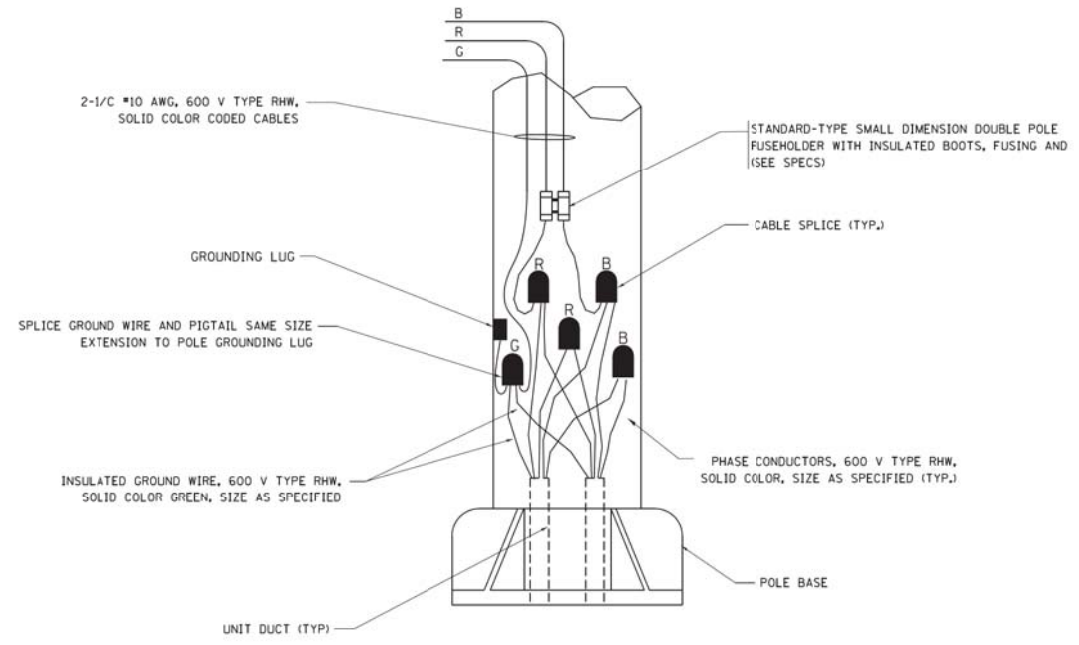
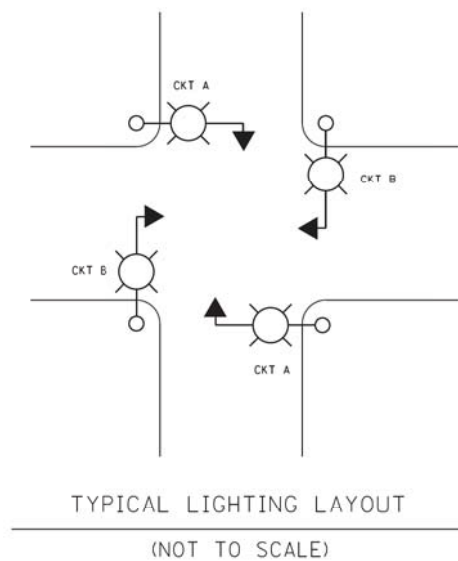
- NOTES:**
- ELECTRIC SERVICE SHALL BE OF THE VOLTAGE INDICATED OR DESIGNATED BY THE ENGINEER, AND SERVICE DROP CABLE SHALL BE COMPATIBLE WITH THE SERVICE ACCORDINGLY. SOME INSTALLATIONS MAY CALL FOR SERVICE ENTRANCE EQUIPMENT SUITABLE FOR 3-WIRE SERVICE EVEN THOUGH INITIALLY WIRED FOR 2-WIRE SERVICE.
 - THE POLE-MOUNTED ELECTRIC SERVICE BOX DETAIL DEPICTS THE BASIC CONSTRUCTION OF THE EQUIPMENT. SLIGHT MODIFICATIONS APPLY FOR DIFFERING SERVICES AND APPLICATIONS AS FOLLOWS:
 - TYPE A FULLY EQUIPPED FOR 240/120V, 3W SERVICE, COMPLETE WITH LIGHTING MAIN BREAKER
 - TYPE A1 FULLY EQUIPPED FOR 240/120V, 3W SERVICE, BLANK COVER IN LIEU OF LIGHTING MAIN BREAKER
 - TYPE B EQUIPPED FOR 120V, SERVICE, COMPLETE WITH 1P, 60A, TRAFFIC SIGNALS MAIN BREAKER
 - TYPE B1 EQUIPPED FOR 120V, SERVICE, COMPLETE WITH 1P, 40A, TRAFFIC SURVEILLANCE MAIN BREAKER
 - THE ELECTRIC SERVICE EQUIPMENT ASSEMBLY SHALL BE UL LISTED AS SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT.
 - THE ELECTRIC SERVICE EQUIPMENT ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL, NOMINALLY 12" W X 16" H X 8" D, WITH A PIANO-HINGED DOOR, STEEL BACK PANEL, FAST-ACTING STAINLESS STEEL ENCLOSURE CLAMPS, PADLOCK PROVISIONS AND DOOR STOP, HOFFMAN CATALOG NO. A-16H20B56LP/A-16 P12/A-DSTOPK/C-PMK12, OR APPROVED EQUAL.
 - CIRCUIT BREAKERS SHALL BE THERMAL MAGNETIC BOLT-ON TYPE WITH A MINIMUM INTERRUPTING CAPACITY OF 25,000 SYMMETRICAL AMPERES AT 240 VOLTS. THEY SHALL BE LOCKABLE IN THE "OFF" POSITION FOR COMPLIANCE WITH OSHA LOCK-OUT/TAG-OUT REQUIREMENTS. HANDLES SHALL BE TRIP FREE.
 - THE SURGE PROTECTOR SHALL BE SUITABLE FOR 240/120 VOLT SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO-SECONDS, RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND SHALL BE UL LISTED PER UL 1449, CUTLER-HAMMER CMOV230L065XST OR APPROVED EQUAL.
 - BUS BARS, CONNECTORS, AND LUGS SHALL BE COPPER, INSULATED AND ISOLATED, AND CONFIGURED TO PREVENT SHORTED CONDITIONS FROM TIGHTENING TERMINATIONS, ETC. THE OVERALL BUS SECTION SHALL BE CONFIGURED BEHIND AN INSULATING BARRIER SHIELD WHICH IS REMOVABLE FOR ACCESS TO CONNECTIONS, OR THE ASSEMBLY SHALL BE A MANUFACTURED SPECIALTY PANELBOARD, CUTLER-HAMMER PRL2A OR APPROVED EQUAL.
 - THE COMBINATION GROUND AND NEUTRAL BAR SHALL BE CONFIGURED WITH SEPARATE GROUND AND NEUTRAL SECTIONS AND SPARE TERMINALS AS INDICATED. THE HEADS OF GROUND SCREWS SHALL BE PAINTED GREEN. THE HEADS OF NEUTRAL SCREWS SHALL BE PAINTED WHITE. THE SERVICE NEUTRAL AND SERVICE GROUNDING ELECTRODE CONDUCTOR SHALL BE TERMINATED ADJACENT TO EACH OTHER AT THE DIVIDE BETWEEN THE SECTIONS AND WIRING SHALL BE TERMINATED ONLY UPON THE APPROPRIATE SECTION.
 - THE WIRING TERMINALS, INCLUDING THE GROUND/NEUTRAL BAR SHALL BE ARRANGED TO PROVIDE ADEQUATE ROOM FOR PERFORMING FIELD TERMINATIONS.
 - A PLASTIC LAMINATED LAYOUT AND CIRCUIT DIAGRAM SHALL BE MECHANICALLY SECURED TO THE INTERIOR SIDE OF THE ENCLOSURE DOOR.
 - A 2-COLOR ENGRAVED PLASTIC NAMEPLATE, ATTACHED WITH SCREWS, AND ENGRAVED AS INDICATED, SHALL BE PROVIDED FOR EACH MAIN BREAKER.
 - LUGS AND CONNECTORS SHALL BE RATED FOR 75° C CONDUCTOR.
 - THE EXACT MOUNTING HEIGHT OF THE BOX SHALL BE FIELD DETERMINED TO AVOID OBSTRUCTIONS AND PUBLIC ACCESS. TYPICAL HEIGHT SHALL BE APPROXIMATELY 10 FEET ABOVE GRADE.

6" DECAL ON FRONT COVER

FILE NAME =	USER NAME = bauerdl	DESIGNED -	REVISED - R. TOMSONS 08-13-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMBINATION LIGHTING & TRAFFIC POLE MOUNTED ELECTRIC SERVICE BOX DETAIL	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pe_work\p\idot\ba\ba\dl\08315\be230.dgn		DRAWN -	REVISED - MAP 10-25-12			4066	08-0012-00-CH	KANE	93	61	
		CHECKED -	REVISED -			BE-230		CONTRACT NO. 63858			
		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
PLOT SCALE = 49,9999" / 1"		PLOT DATE = 2/27/2013		SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.			

PANEL EQUIPMENT

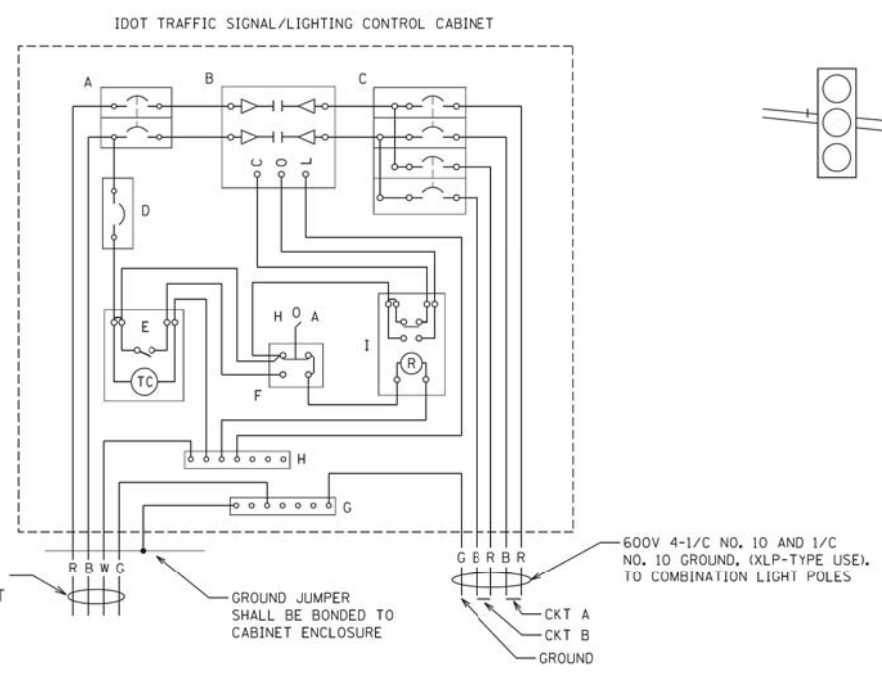
BILL OF MATERIALS		
ITEM	QUANTITY	DESCRIPTION
A	1	CIRCUIT BREAKER, THERMAL MAGNETIC MOLDED CASE, 2 POLE, 240 VOLT 100 AMP FRAME, 30 AMP TRIP, INTERRUPTING RATING 22K RMS SYMMETRICAL AMP
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 30 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
C	2	CIRCUIT BREAKERS, 2 POLE, 100 AMP, FRAME 20 AMP, NON-INTERCHANGABLE TRIP INTERRUPTING RATING 10,000 AMP AT 240 V.
D	1	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 100 AMP FRAME, 15 AMP NON-INTERCHANGABLE TRIP, INTERRUPTING RATING 22K RMS SYMMETRICAL AMP AT 240V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER (TIME SWITCH)
F	1	H-O-A SWITCH
G	1	COPPER GROUND BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
H	1	COPPER NEUTRAL BUS 1/4" (6.35) X 1" (25.4) X 12" (304.8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
I	1	RELAY, 2 POLE, SINGLE THROW, 120 VOLT COIL, CURRENT RATING TO BE COORDINATED WITH CONTACTOR



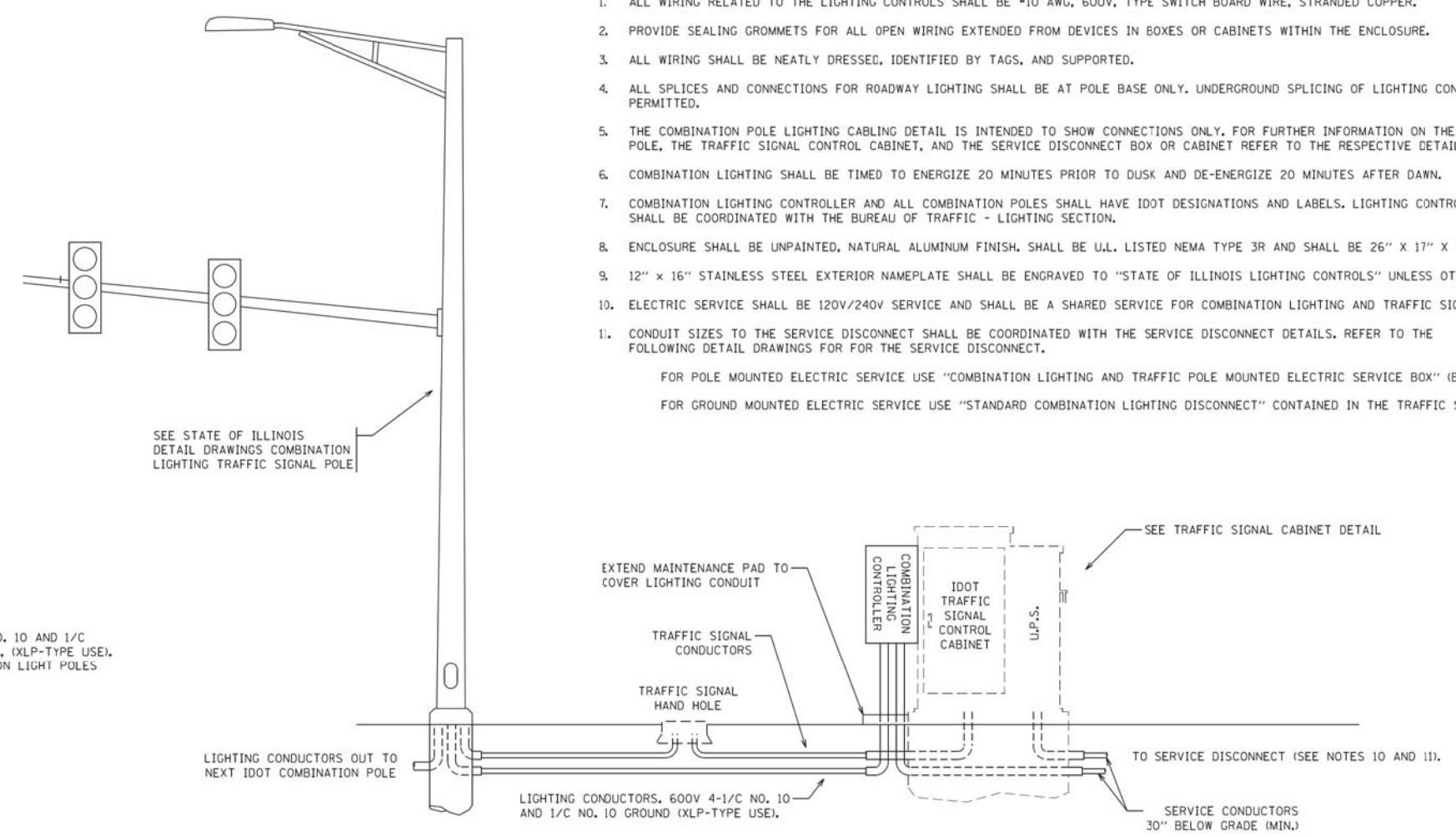
COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

NOTES:

- ALL WIRING RELATED TO THE LIGHTING CONTROLS SHALL BE #10 AWG, 600V, TYPE SWITCH BOARD WIRE, STRANDED COPPER.
 - PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE ENCLOSURE.
 - ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
 - ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY. UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED.
 - THE COMBINATION POLE LIGHTING CABLING DETAIL IS INTENDED TO SHOW CONNECTIONS ONLY. FOR FURTHER INFORMATION ON THE COMBINATION LIGHT POLE, THE TRAFFIC SIGNAL CONTROL CABINET, AND THE SERVICE DISCONNECT BOX OR CABINET REFER TO THE RESPECTIVE DETAIL DRAWINGS.
 - COMBINATION LIGHTING SHALL BE TIMED TO ENERGIZE 20 MINUTES PRIOR TO DUSK AND DE-ENERGIZE 20 MINUTES AFTER DAWN.
 - COMBINATION LIGHTING CONTROLLER AND ALL COMBINATION POLES SHALL HAVE IDOT DESIGNATIONS AND LABELS. LIGHTING CONTROLLER DESIGNATIONS SHALL BE COORDINATED WITH THE BUREAU OF TRAFFIC - LIGHTING SECTION.
 - ENCLOSURE SHALL BE UNPAINTED, NATURAL ALUMINUM FINISH. SHALL BE U.L. LISTED NEMA TYPE 3R AND SHALL BE 26" X 17" X 15"
 - 12" X 16" STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
 - ELECTRIC SERVICE SHALL BE 120V/240V SERVICE AND SHALL BE A SHARED SERVICE FOR COMBINATION LIGHTING AND TRAFFIC SIGNALS.
 - CONDUIT SIZES TO THE SERVICE DISCONNECT SHALL BE COORDINATED WITH THE SERVICE DISCONNECT DETAILS. REFER TO THE FOLLOWING DETAIL DRAWINGS FOR THE SERVICE DISCONNECT.
- FOR POLE MOUNTED ELECTRIC SERVICE USE "COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRIC SERVICE BOX" (BE-230).
FOR GROUND MOUNTED ELECTRIC SERVICE USE "STANDARD COMBINATION LIGHTING DISCONNECT" CONTAINED IN THE TRAFFIC SIGNAL DETAILS.



COMBINATION LIGHTING CONTROLLER WIRING DIAGRAM
(NOT TO SCALE)



COMBINATION POLE LIGHTING CABLING - TYPICAL
(NOT TO SCALE)

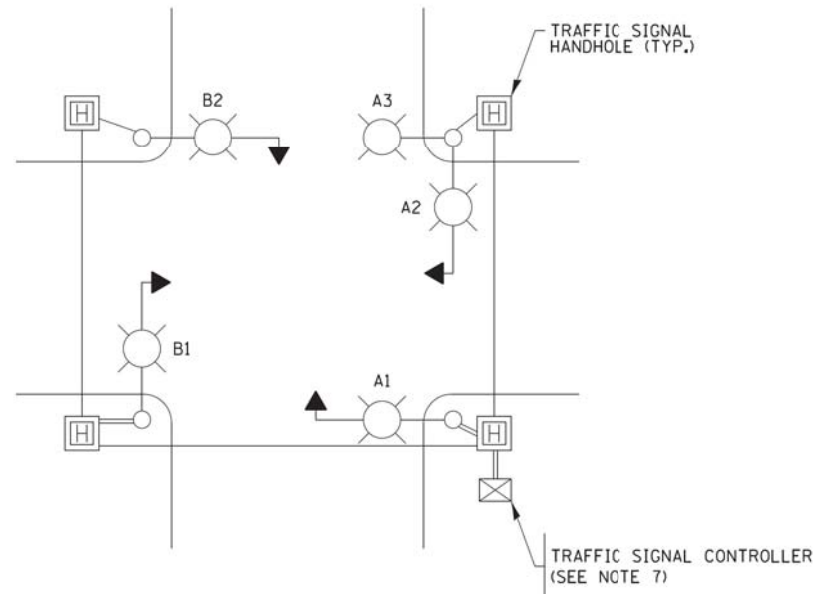
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	PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/27/2013	DATE - 8/24/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

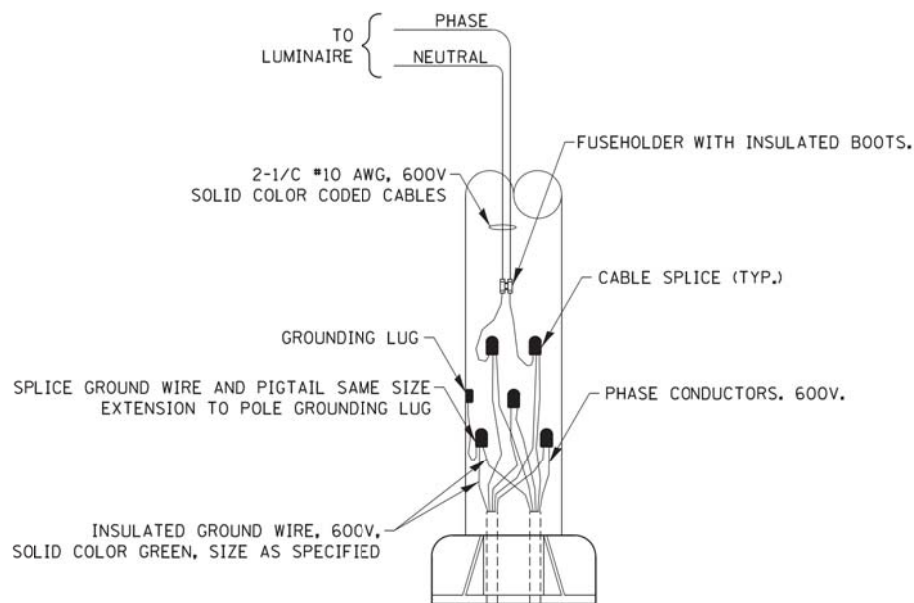
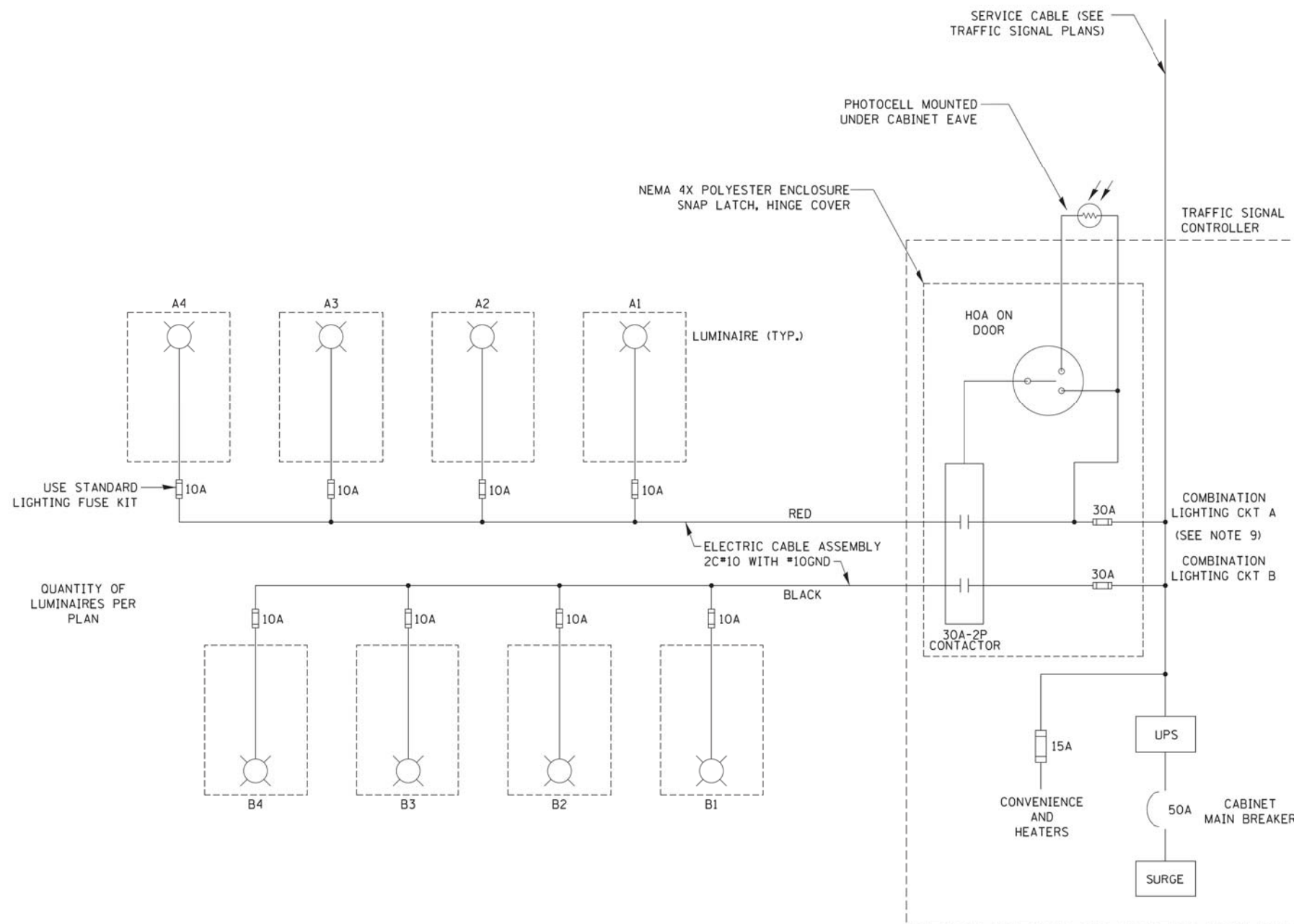
COMBINATION LIGHTING CONTROLLER

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	62
BE-235			CONTRACT NO. 63858	
ILLINOIS FED. AID PROJECT				



TYPICAL LIGHTING CIRCUIT
(NOT TO SCALE)



COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

NOTES:

1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
2. MULTI-CONDUCTOR CABLE ASSEMBLY FOR LIGHTING CIRCUITS.
3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
5. ALL CONTROLLERS TO HAVE TWO FUSED LIGHTING BRANCH CIRCUITS.
6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
7. RECORD DRAWING SHALL INCLUDE:
 - TRAFFIC SIGNAL PLAN SHEET(S)
 - TRAFFIC SIGNAL CABLE PLAN SHEET(S)
 - LIGHTING PLANS
 - THIS DETAIL
8. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
9. LIGHTING CONNECTED TO UPS BYPASS CIRCUIT

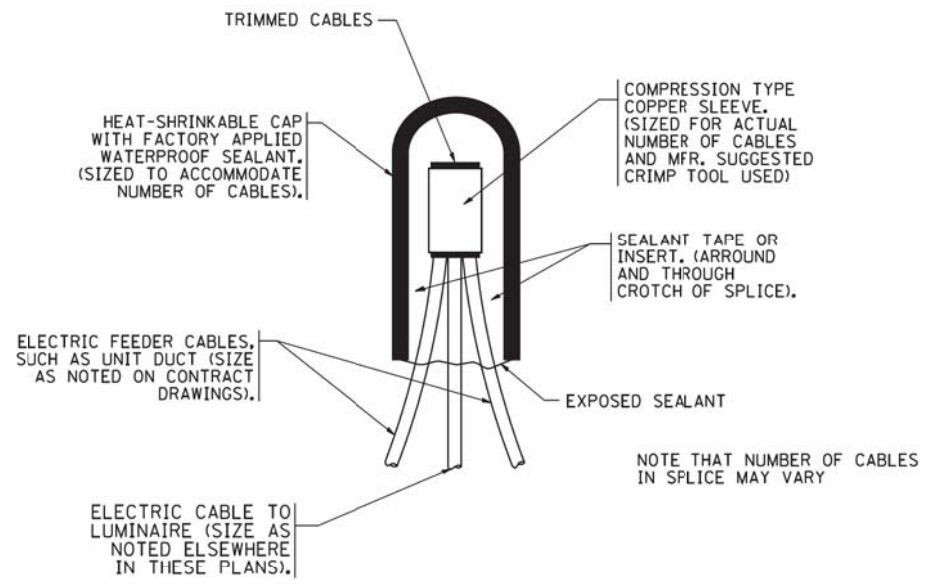
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	PLOT DATE = 4/13/2017	DATE - 08/18/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

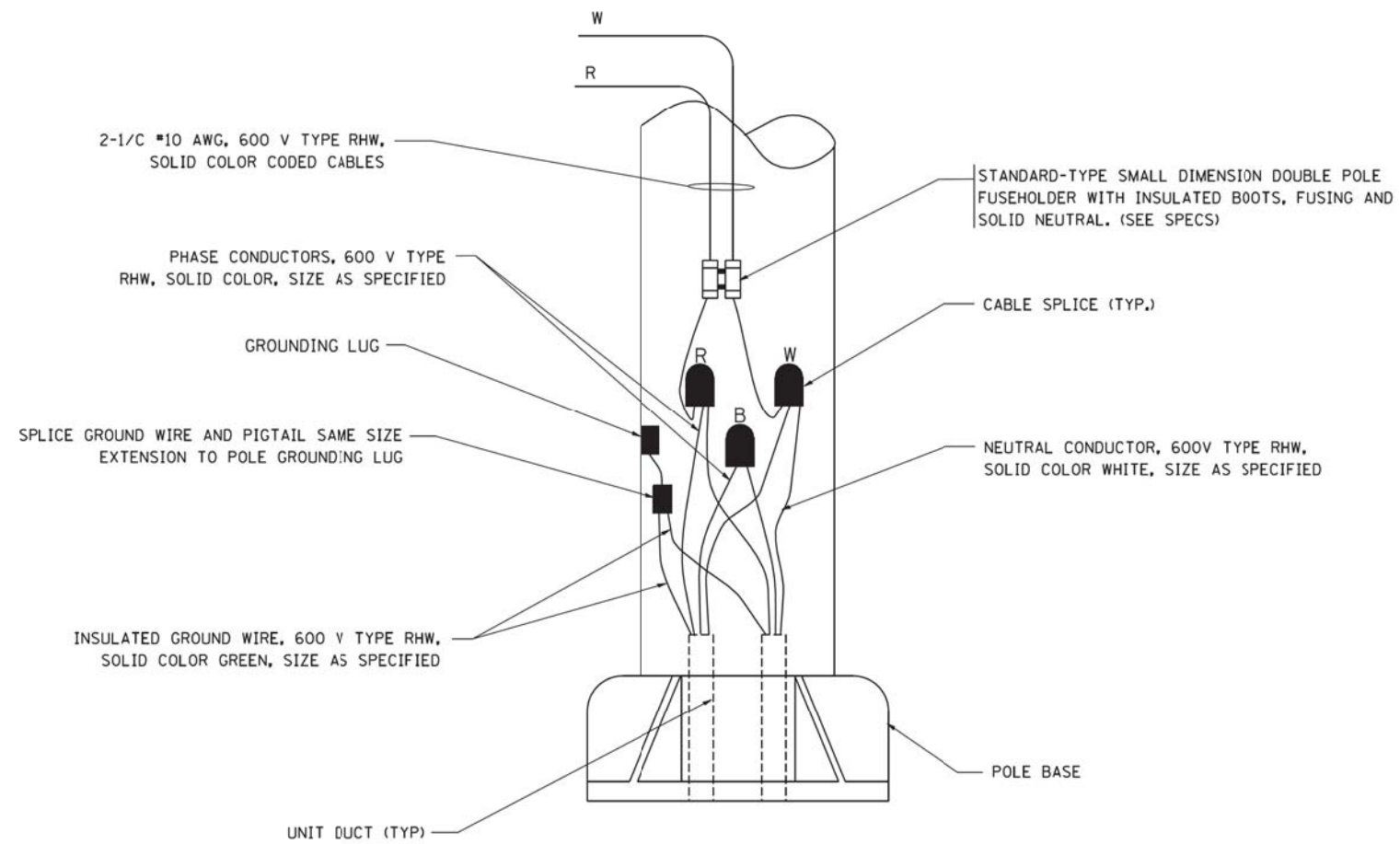
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F.A.U. RTE. 4066	SECTION 08-00112-00-CH	COUNTY KANE	TOTAL SHEETS 93	SHEET NO. 63
BE-240			CONTRACT NO. 63858	
ILLINOIS FED. AID PROJECT				



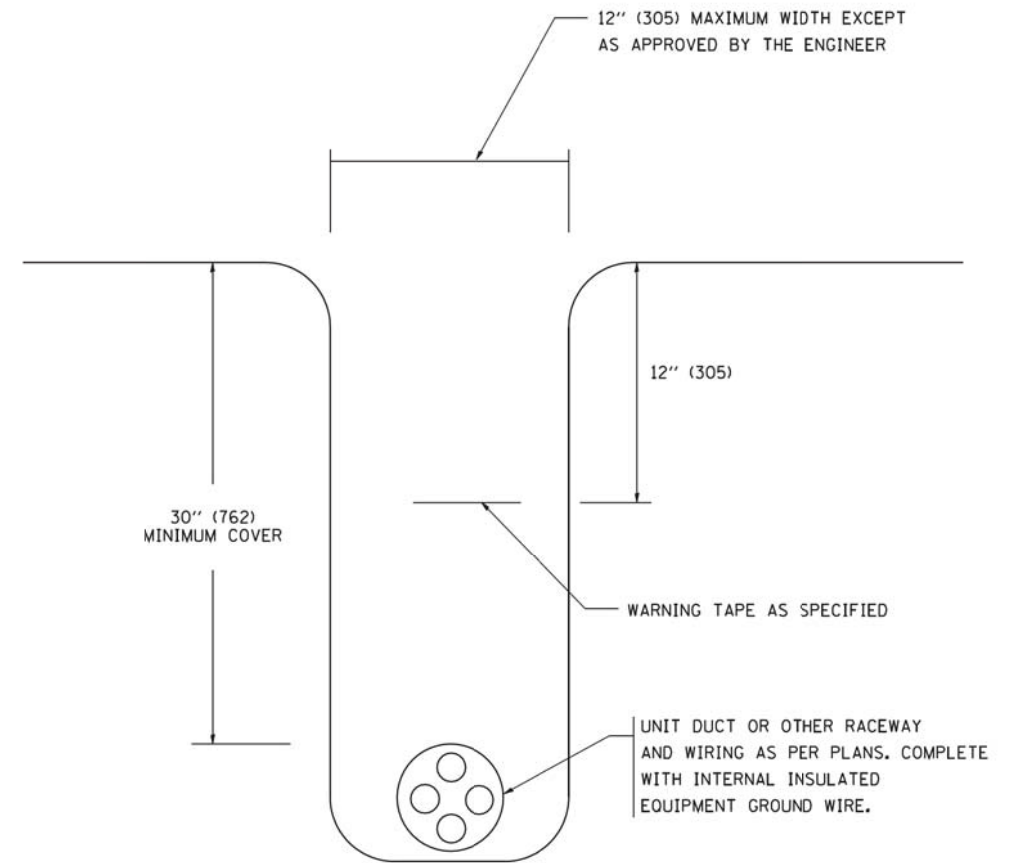
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

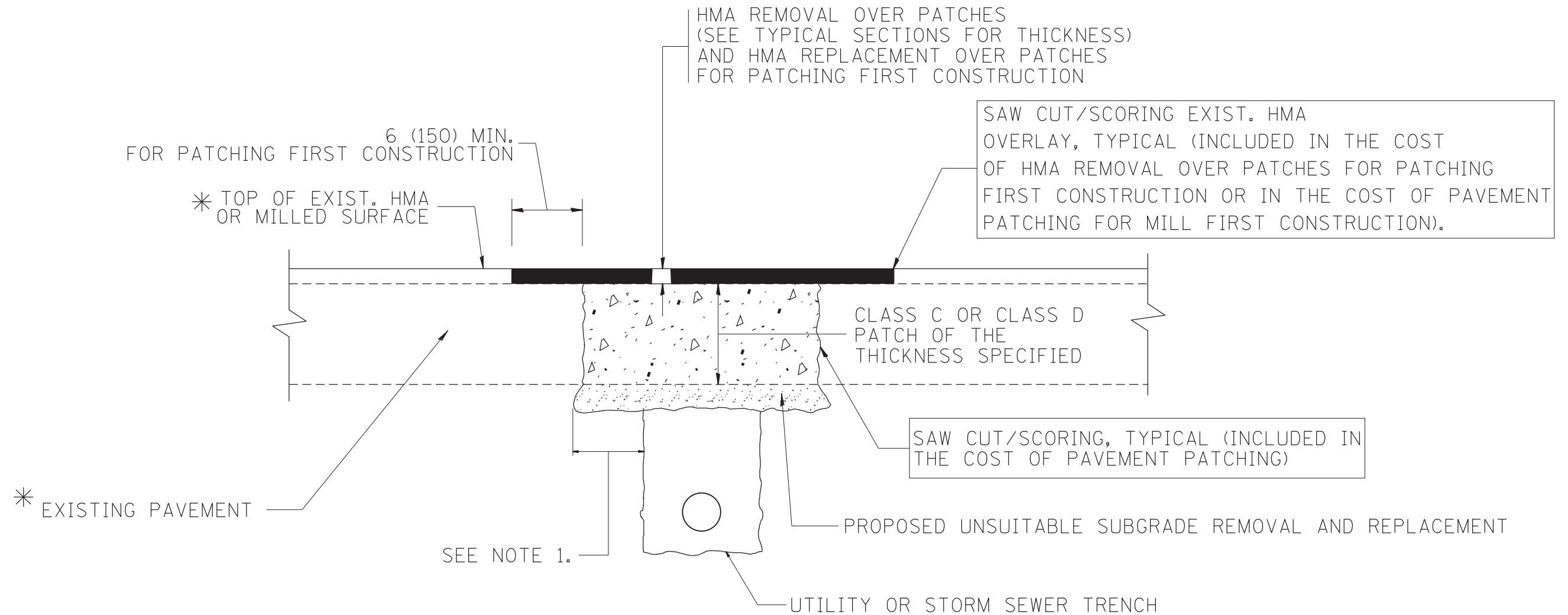
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISC. ELECTRICAL DETAILS			
SHEET A			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	64
BE-702			CONTRACT NO. 63858	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

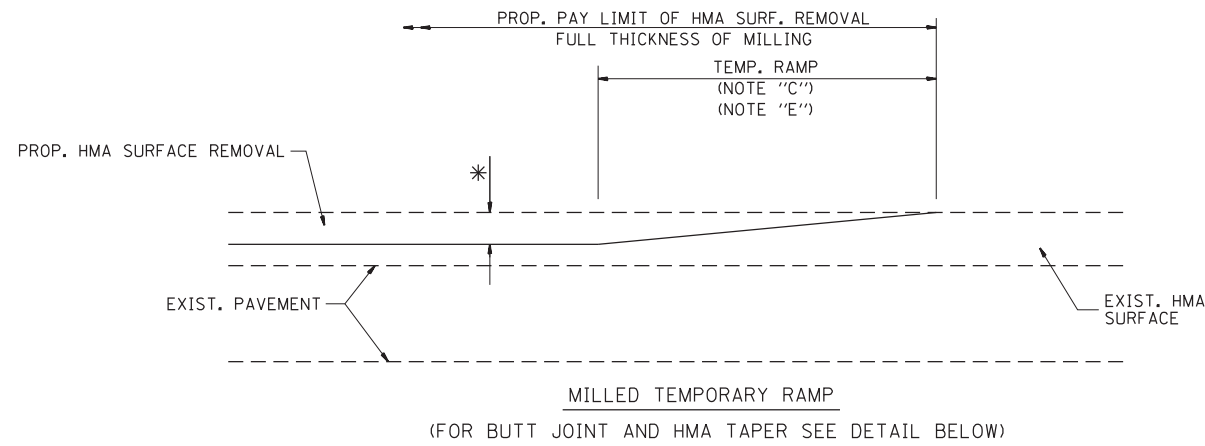
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 2/13/2018	DATE - 10-25-94	REVISED - K. ENG 10-27-08

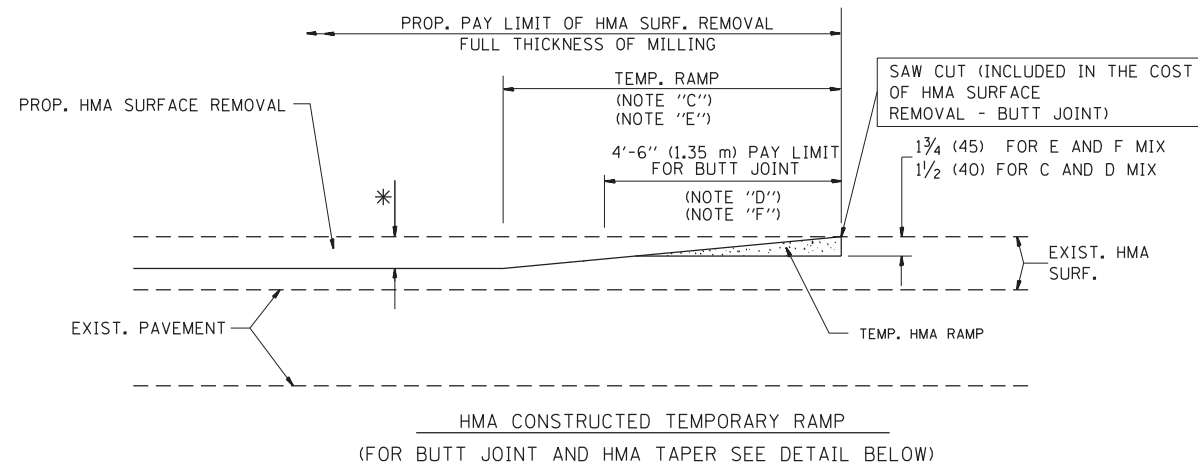
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	65
BD400-04 (BD-22)			CONTRACT NO. 63858	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

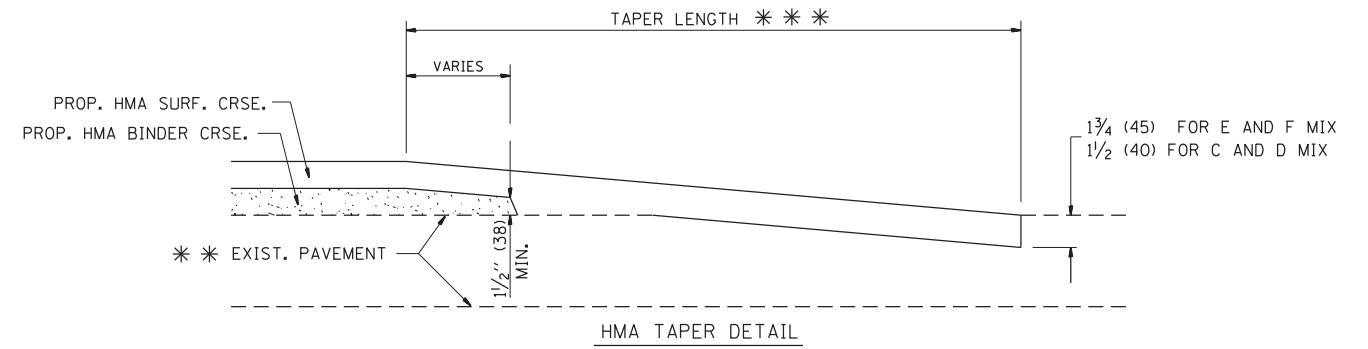
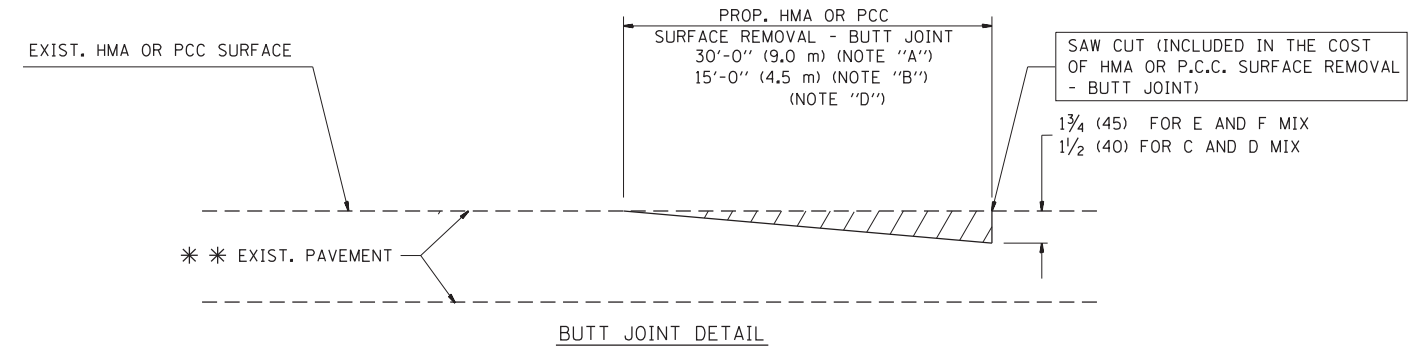


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

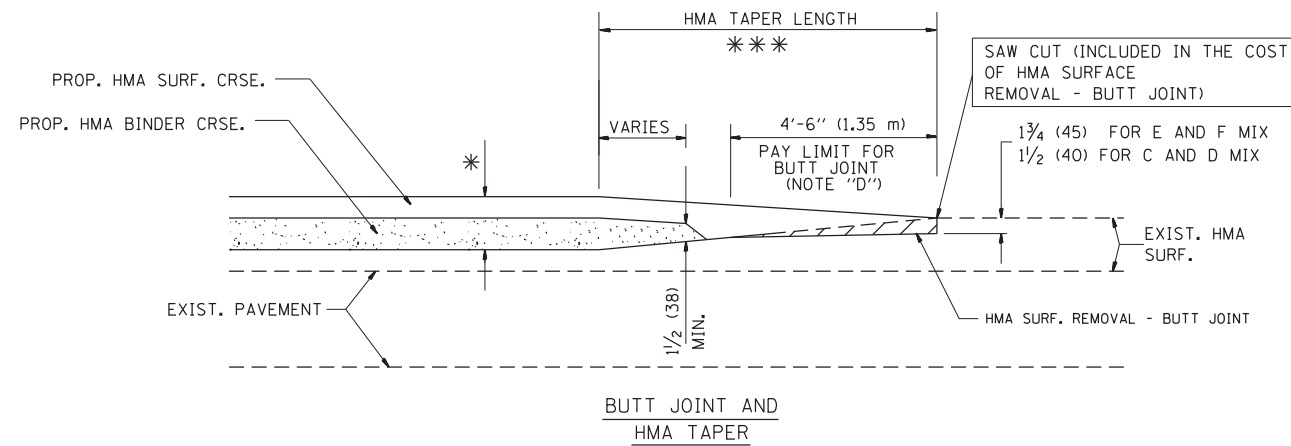
NOTES

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

BASIS OF PAYMENT:

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

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



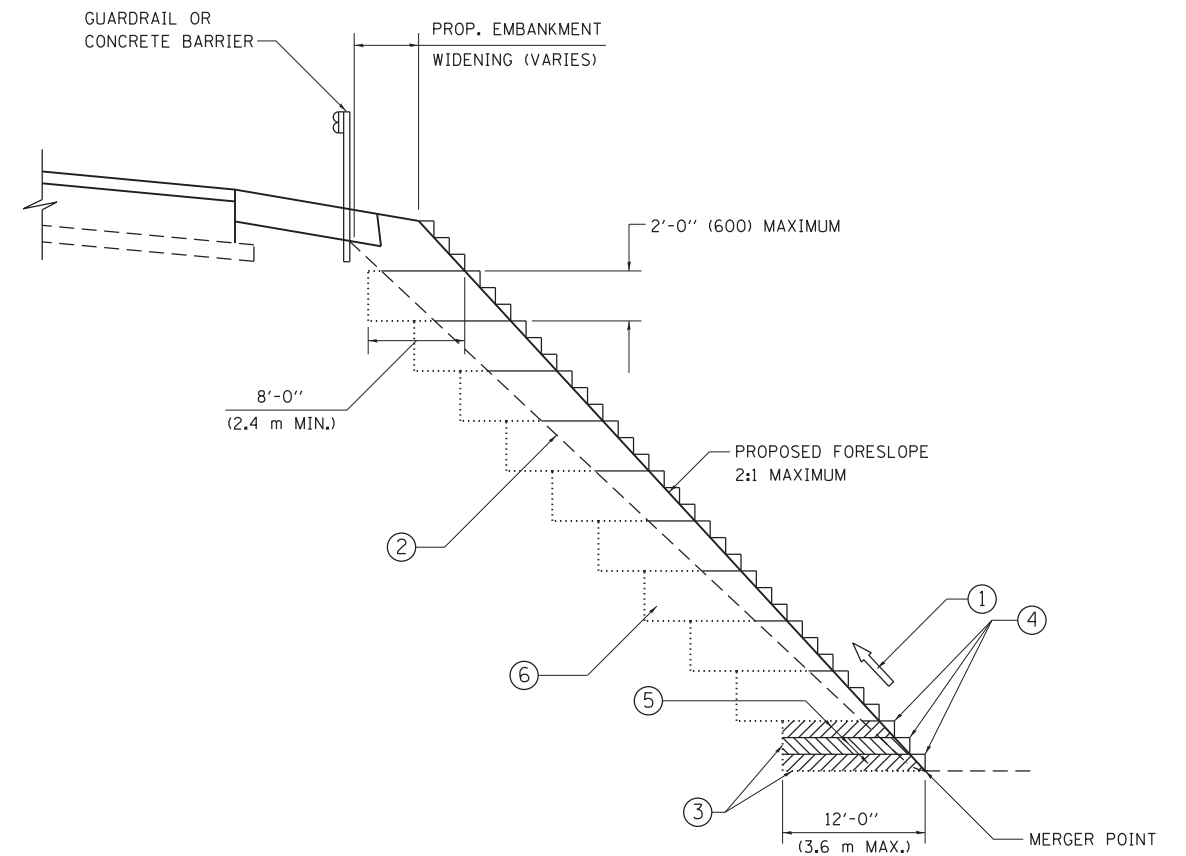
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME =	USER NAME = Mike Moes	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
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	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 2/13/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	66
BD400-05 BD32		CONTRACT NO. 63858		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

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

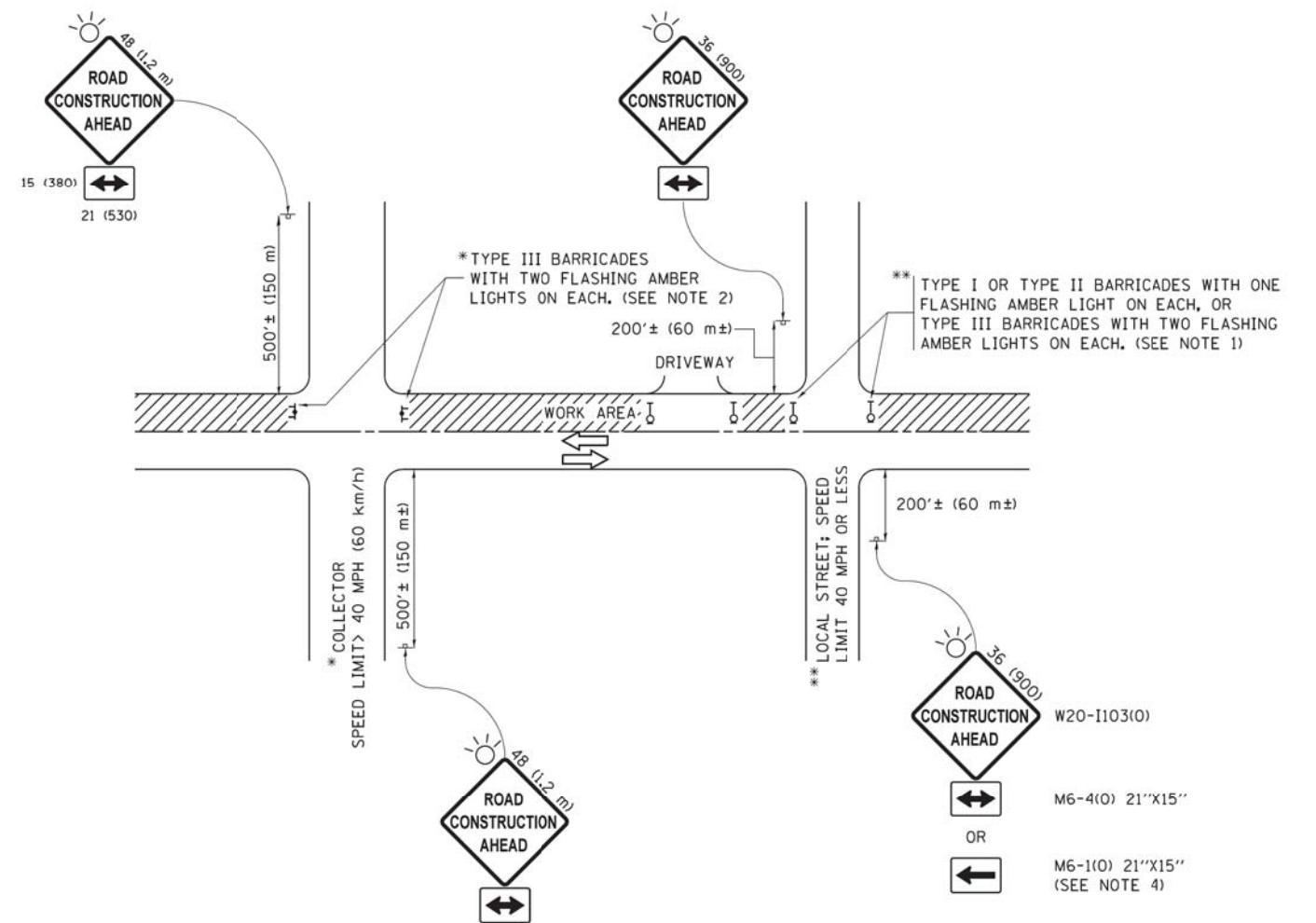
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT DATE = 2/13/2018	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	67
BD-51			CONTRACT NO. 63858	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

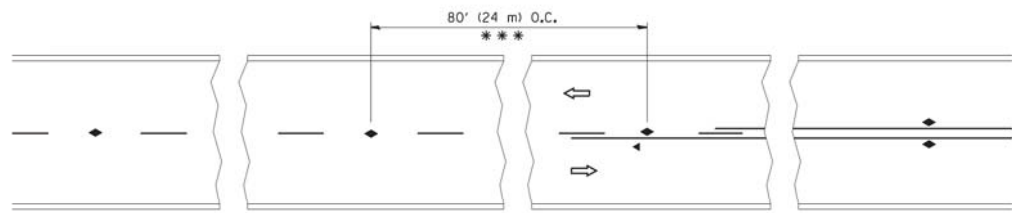
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	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 05-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

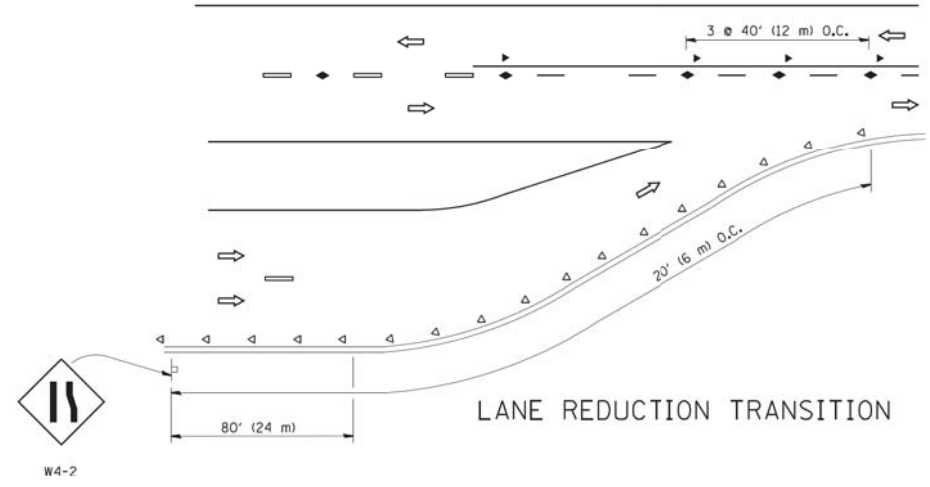
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 63858	
ILLINOIS FED. AID PROJECT				

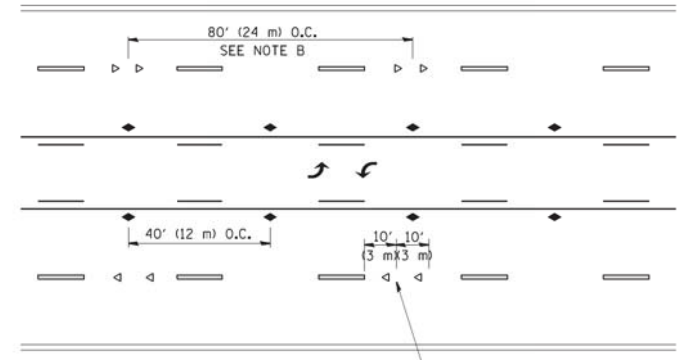


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

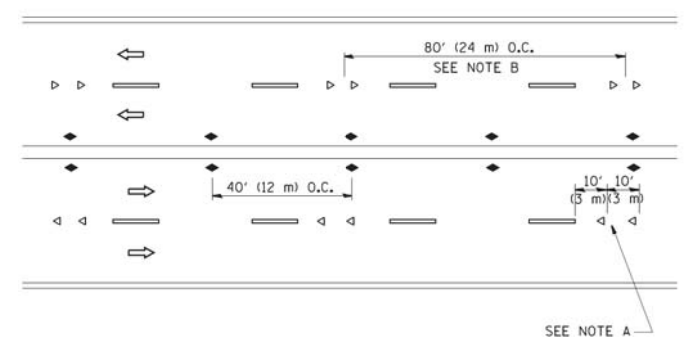
TWO-LANE/TWO-WAY



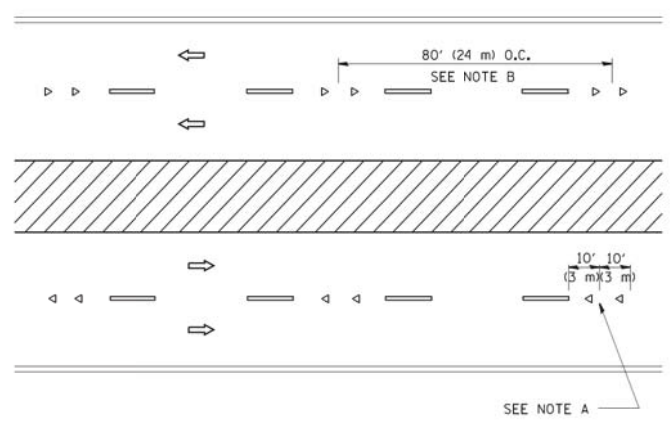
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

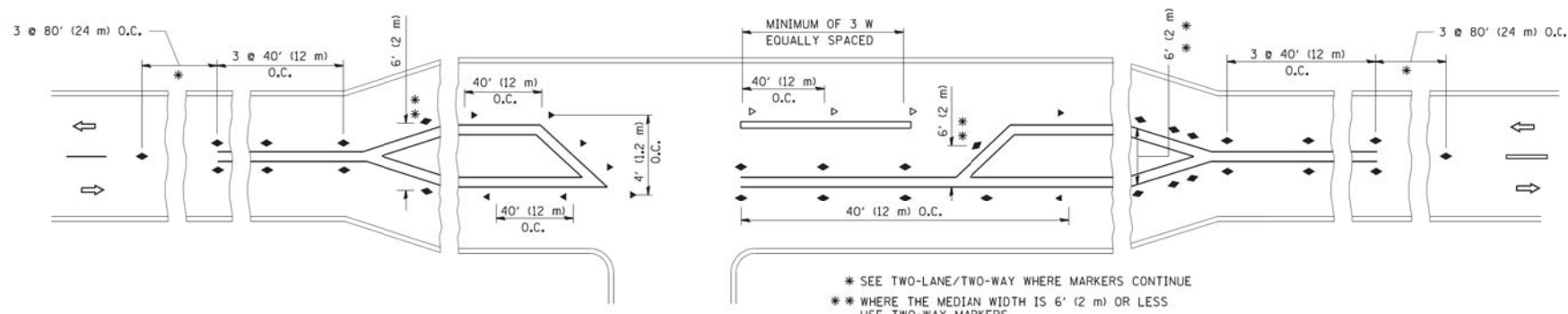
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

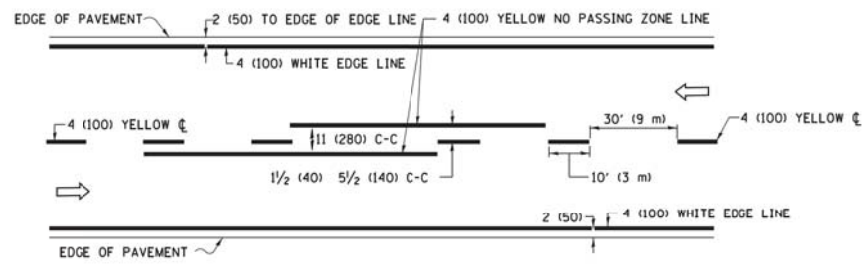
All dimensions are in inches (millimeters) unless otherwise shown.

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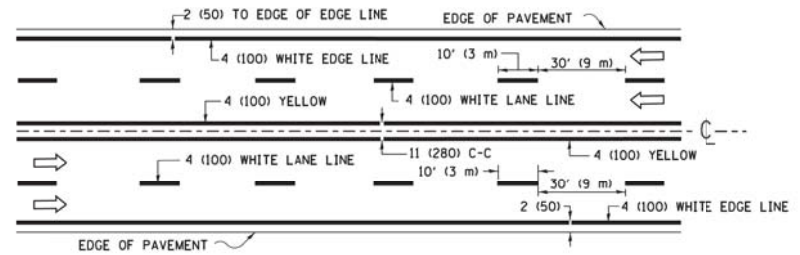
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

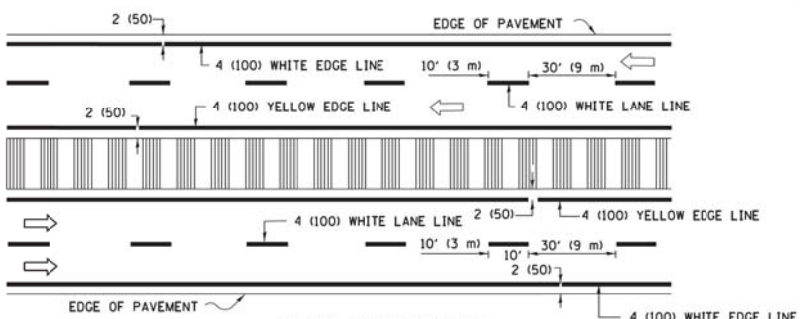
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-0012-00-CH	KANE	93	69
TC-11			CONTRACT NO. 63858	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

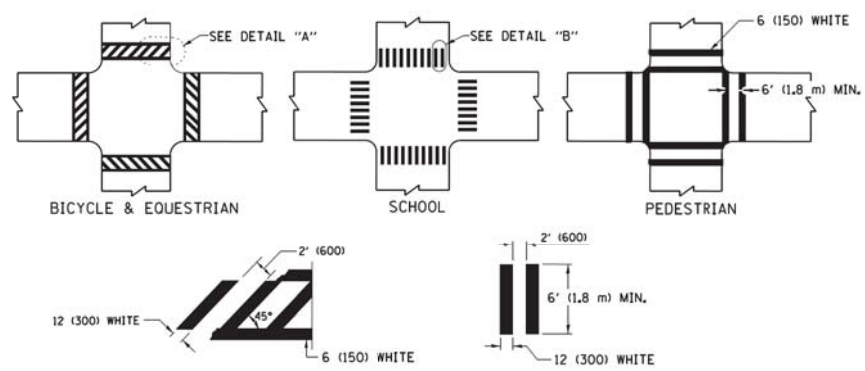


MULTI-LANE UNDIVIDED



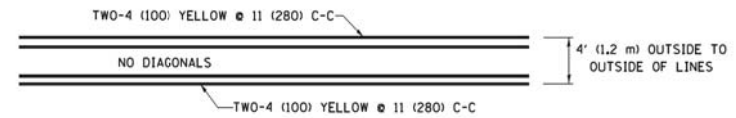
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

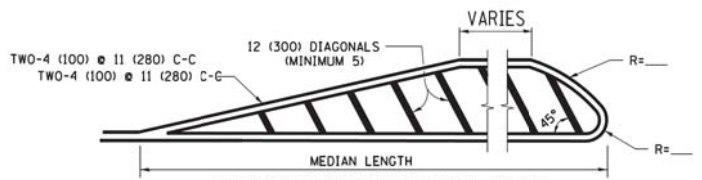


TYPICAL CROSSWALK MARKING

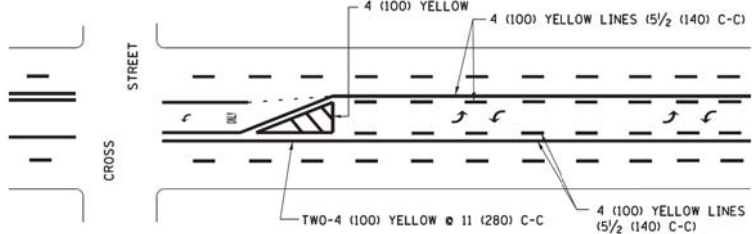
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



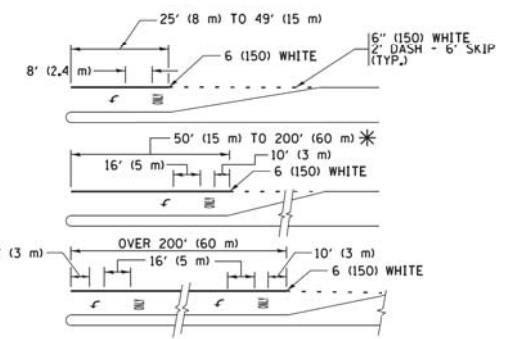
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



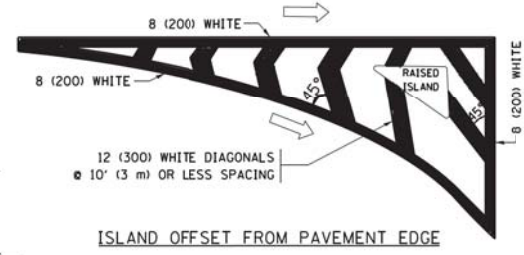
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



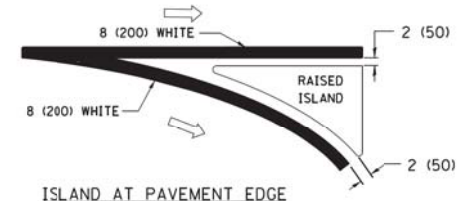
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

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

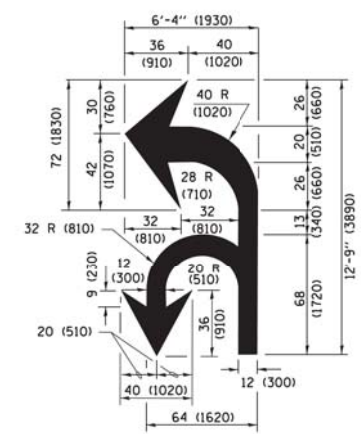
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



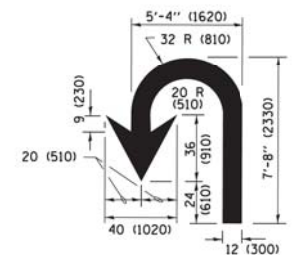
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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.

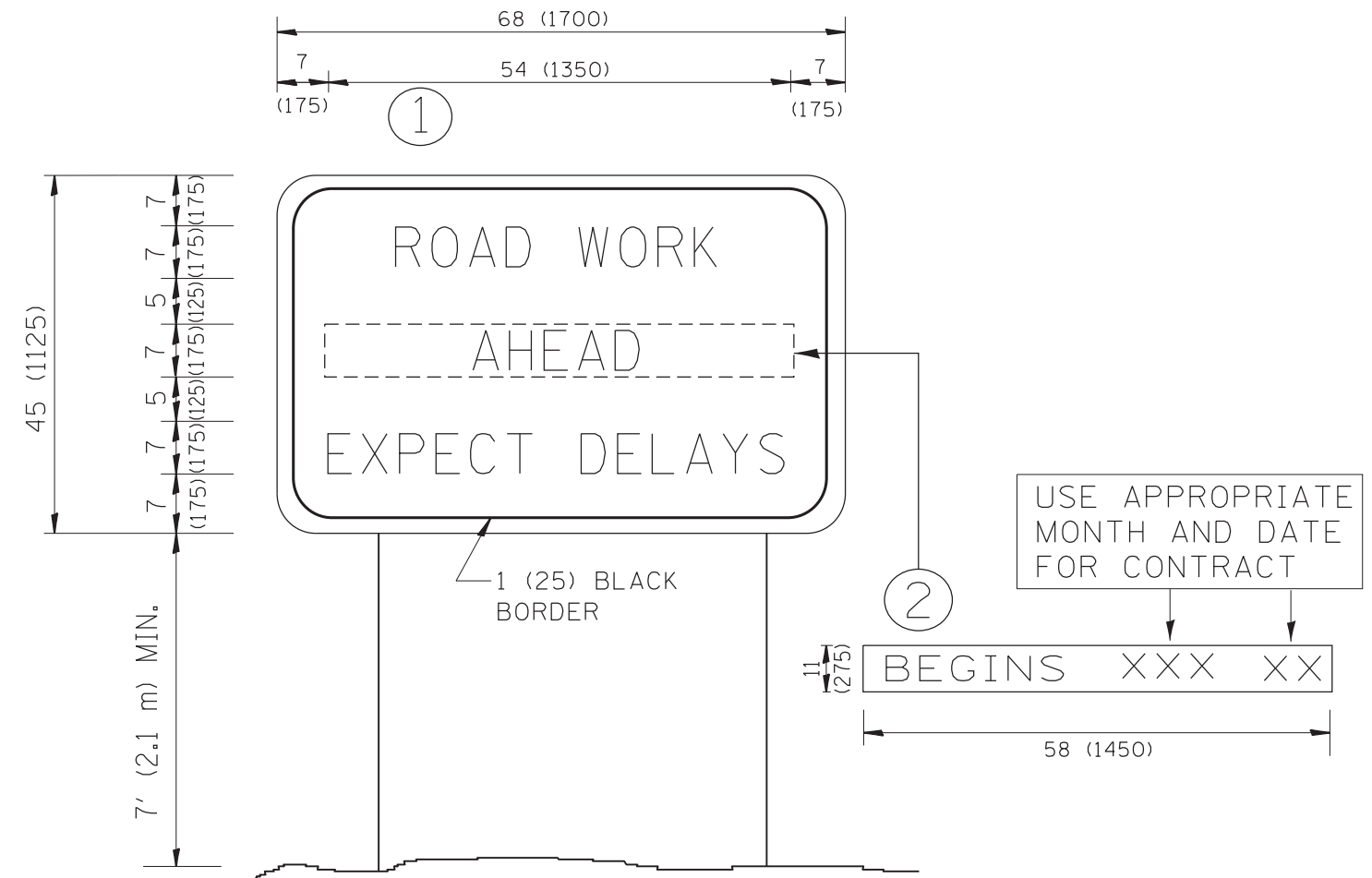
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\dststd\22x34\td13.dgn	USER NAME = lryso	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
Default	PLOT SCALE = 50,000' / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		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 1 SHEETS	STA. TO STA.	

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	70
TC-13		CONTRACT NO. 63858		
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

FILE NAME =	USER NAME = Mike Moes	DESIGNED -	REVISED - R. MIRS 09-15-97
L:\KANECD\12296-01\Draw\CADD_Sheets\DI_07.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 2/13/2018	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

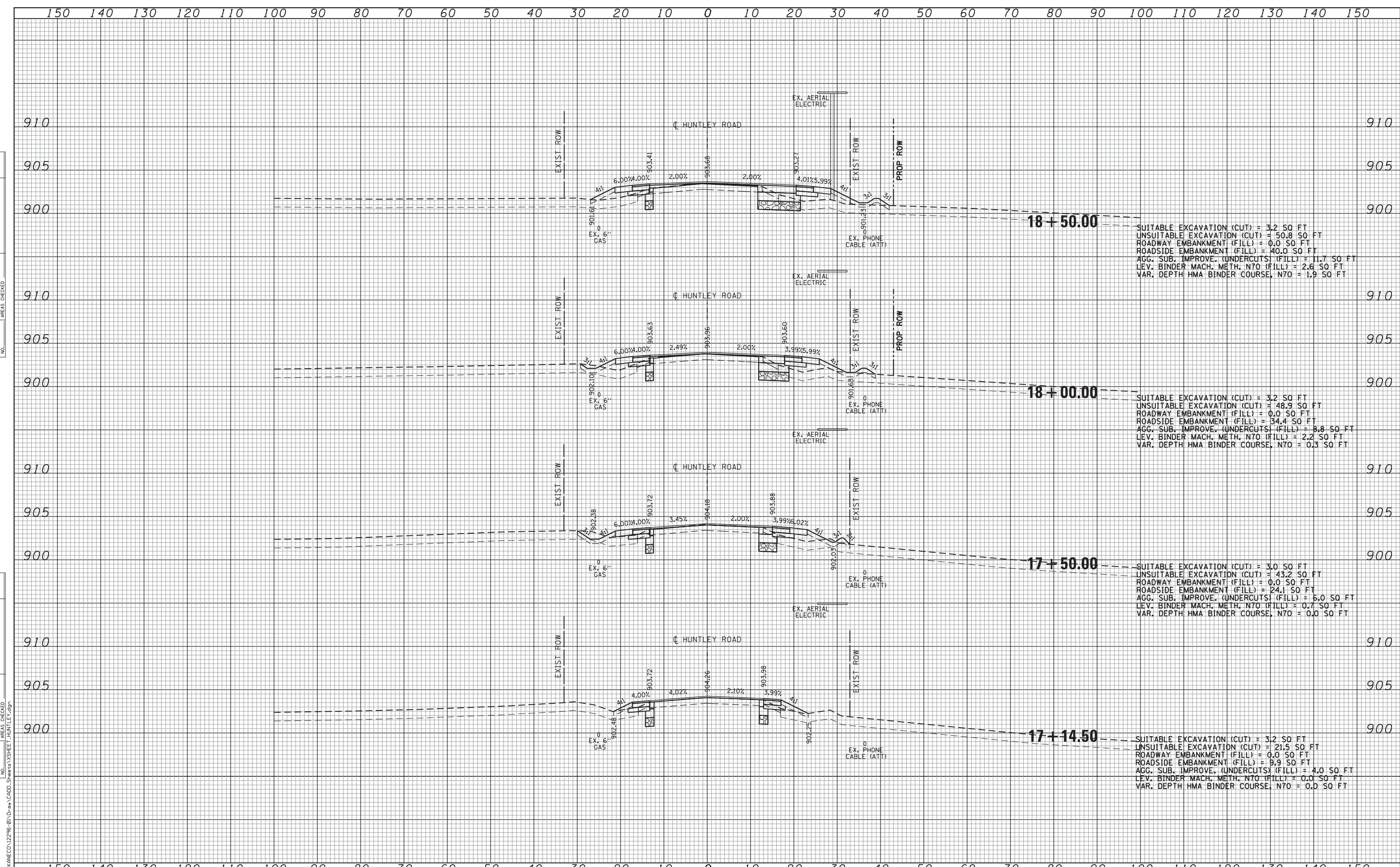
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH	KANE	93	72
TC-22			CONTRACT NO. 63858	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



STATION 18+50.00
 SUITABLE EXCAVATION (CUT) = 3.2 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 50.8 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 40.0 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 11.7 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.6 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 1.9 SQ FT

STATION 18+00.00
 SUITABLE EXCAVATION (CUT) = 3.2 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 48.9 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 34.4 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 8.8 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.2 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.3 SQ FT

STATION 17+50.00
 SUITABLE EXCAVATION (CUT) = 3.0 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 43.2 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 24.1 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 5.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.7 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.0 SQ FT

STATION 17+14.50
 SUITABLE EXCAVATION (CUT) = 3.2 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 21.5 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 9.9 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 4.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.0 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.0 SQ FT



USER NAME = Mike Moes
 DESIGNED -
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 CHECKED -
 DATE -
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2018

DESIGNED -
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 CHECKED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HUNTLEY ROAD
 CROSS - SECTIONS

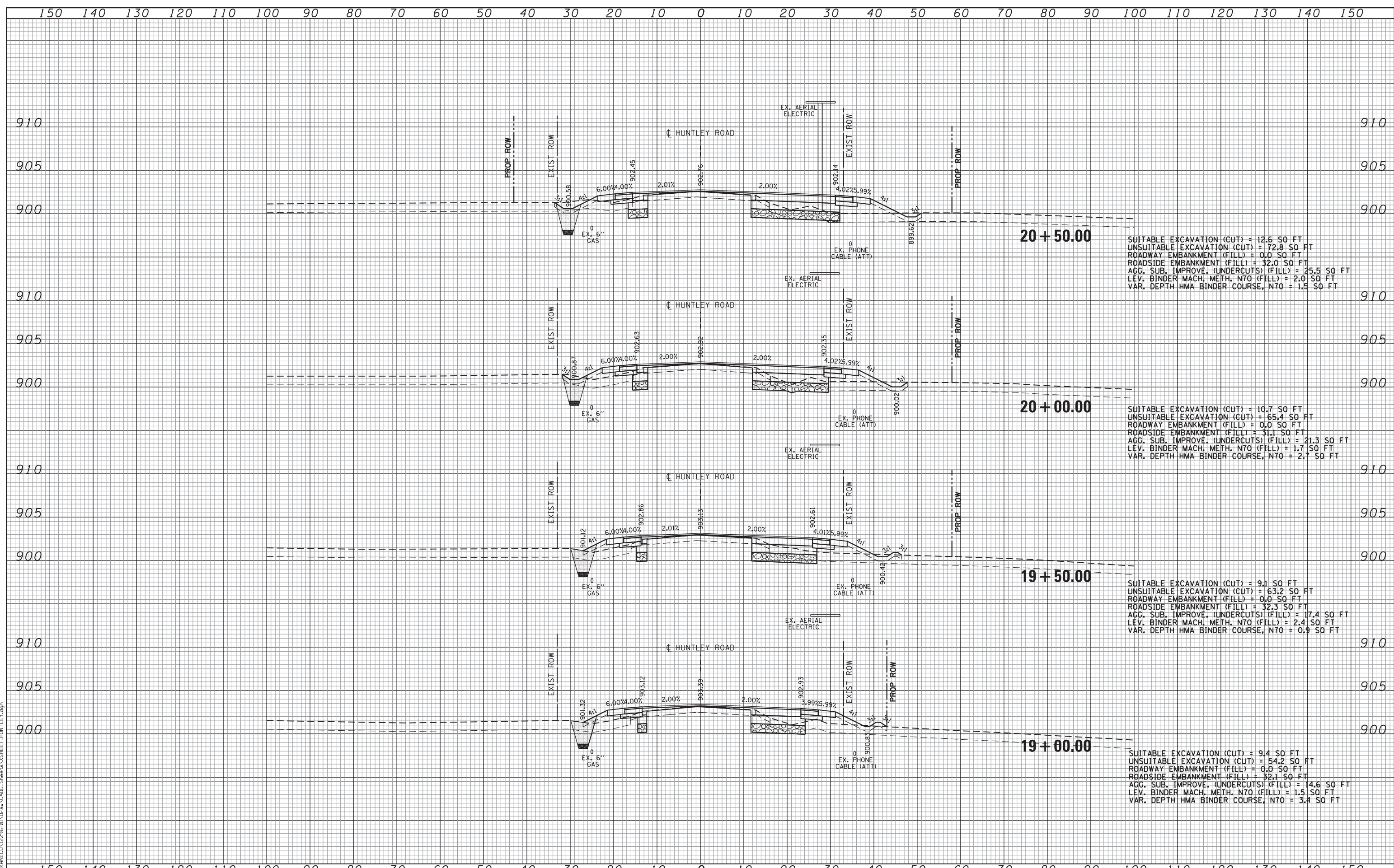
SCALE: 1" = 10'
 SHEET OF SHEETS STA. 17+14.50 TO STA. 18+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	73
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
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TEMPLATE	
AREAS CHECKED	
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DATE	
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SURVEYED	
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TEMPLATE	
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FILE NAME = L:\KANE\COV12296-01\DWG\CADD_Sheets\XSHEET_HUNTLEY.XSD



SUITABLE EXCAVATION (CUT) = 12.6 SO FT
 UNSUITABLE EXCAVATION (CUT) = 72.8 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 32.0 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 25.5 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.0 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 1.5 SO FT

SUITABLE EXCAVATION (CUT) = 10.7 SO FT
 UNSUITABLE EXCAVATION (CUT) = 65.4 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 31.1 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 21.3 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.7 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 2.7 SO FT

SUITABLE EXCAVATION (CUT) = 9.1 SO FT
 UNSUITABLE EXCAVATION (CUT) = 63.2 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 32.3 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 17.4 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.4 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.9 SO FT

SUITABLE EXCAVATION (CUT) = 9.4 SO FT
 UNSUITABLE EXCAVATION (CUT) = 54.2 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 32.1 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 14.6 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.5 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.4 SO FT



USER NAME = Mike Moes
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2018

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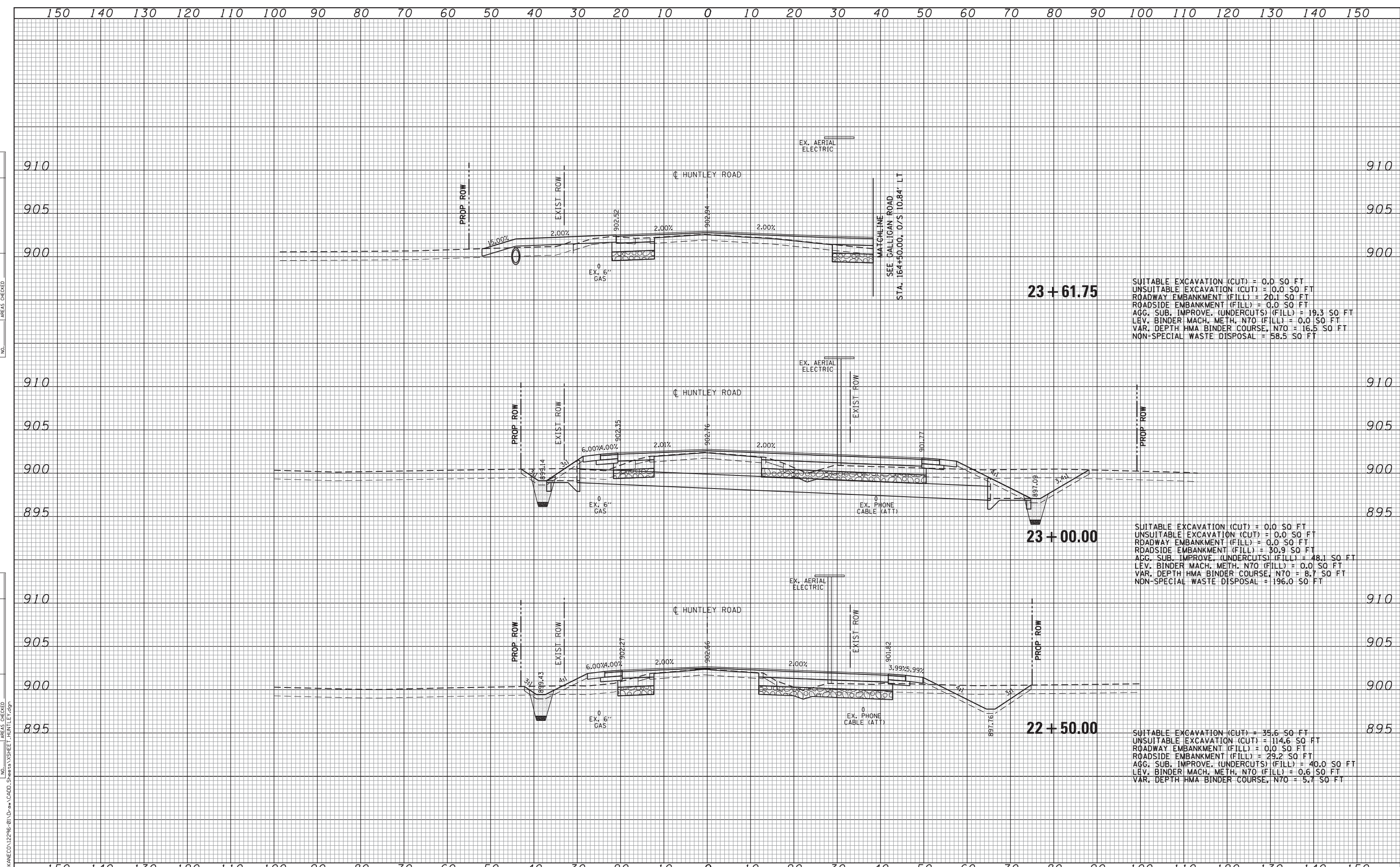
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HUNTLEY ROAD
 CROSS - SECTIONS
 SCALE: 1" = 10'
 SHEET OF SHEETS STA. 19+00.00 TO STA. 20+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	74
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

DATE	
BY	
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BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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NO.	



23 + 61.75

SUITABLE EXCAVATION (CUT) = 0.0 SO FT
 UNSUITABLE EXCAVATION (CUT) = 10.0 SO FT
 ROADWAY EMBANKMENT (FILL) = 20.1 SO FT
 ROADSIDE EMBANKMENT (FILL) = 0.0 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 19.3 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.0 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 16.5 SO FT
 NON-SPECIAL WASTE DISPOSAL = 58.5 SO FT

23 + 00.00

SUITABLE EXCAVATION (CUT) = 0.0 SO FT
 UNSUITABLE EXCAVATION (CUT) = 0.0 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 30.9 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 48.1 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.0 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 8.7 SO FT
 NON-SPECIAL WASTE DISPOSAL = 196.0 SO FT

22 + 50.00

SUITABLE EXCAVATION (CUT) = 35.6 SO FT
 UNSUITABLE EXCAVATION (CUT) = 114.6 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 29.2 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 40.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.6 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 5.7 SO FT



USER NAME = Mike Moes
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2018

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**HUNTLEY ROAD
 CROSS - SECTIONS**

SCALE: 1" = 10' SHEET OF SHEETS STA. 22+50.00 TO STA. 23+61.75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	76
			CONTRACT NO. 63858	

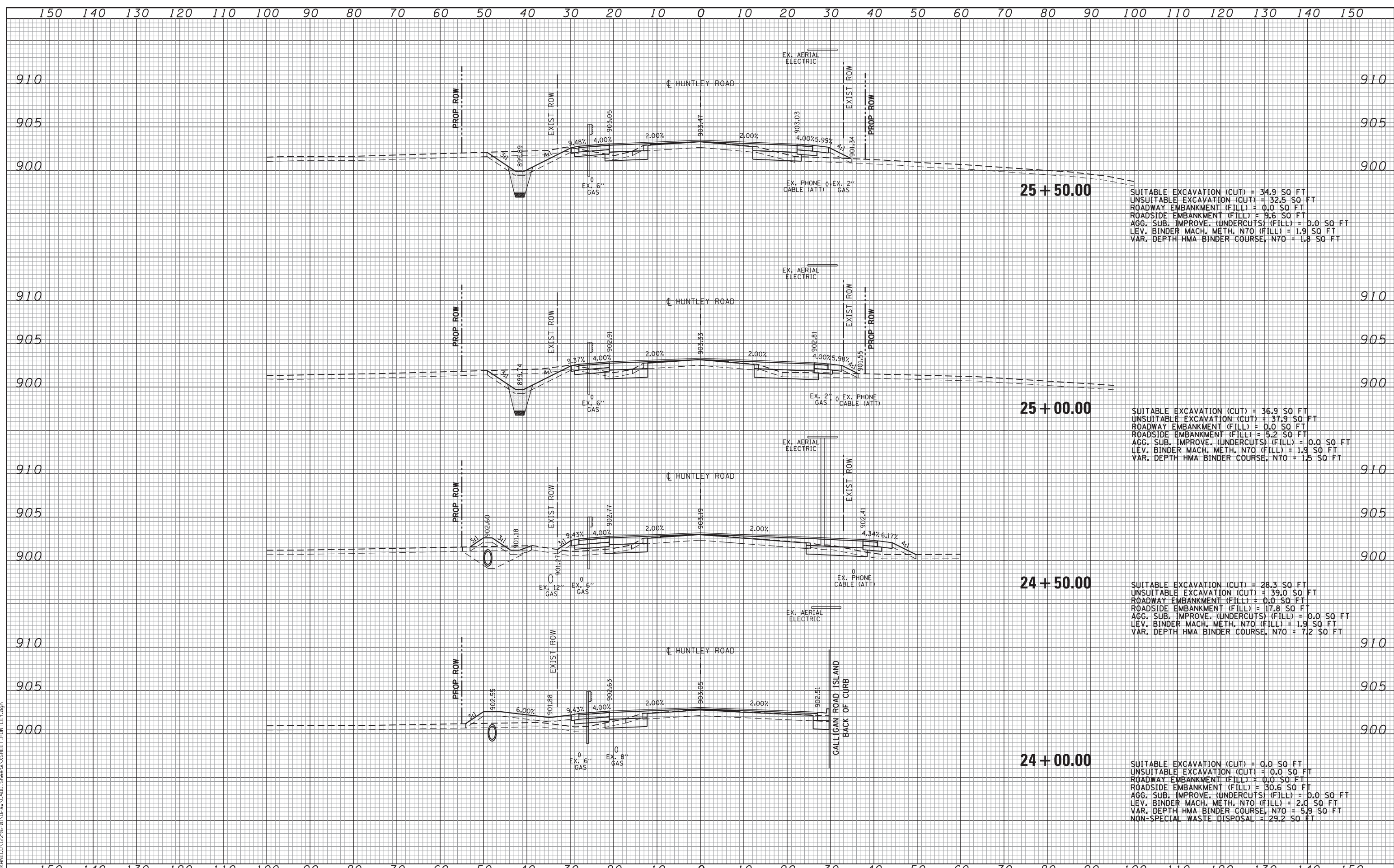
ILLINOIS FED. AID PROJECT

FILE NAME = L:\KANE\COV12296-01\Drawings\CADD_Sheets\XSHEET_HUNTLEY.dgn

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
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	AREAS CHECKED

FILE NAME = L:\KANE\CO\12296-01\DWG\CADD_SHEET\XSHEET_HUNTLEY.CHG



SUITABLE EXCAVATION (CUT) = 34.9 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 32.5 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 9.6 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.9 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 1.8 SQ FT

SUITABLE EXCAVATION (CUT) = 36.9 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 37.9 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 5.2 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.9 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 1.5 SQ FT

SUITABLE EXCAVATION (CUT) = 28.3 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 39.0 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 117.8 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.9 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 7.2 SQ FT

SUITABLE EXCAVATION (CUT) = 0.0 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 0.0 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 30.6 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.0 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 5.9 SQ FT
 NON-SPECIAL WASTE DISPOSAL = 29.2 SQ FT



USER NAME = Mike Moes
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2018

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HUNTLEY ROAD
 CROSS - SECTIONS

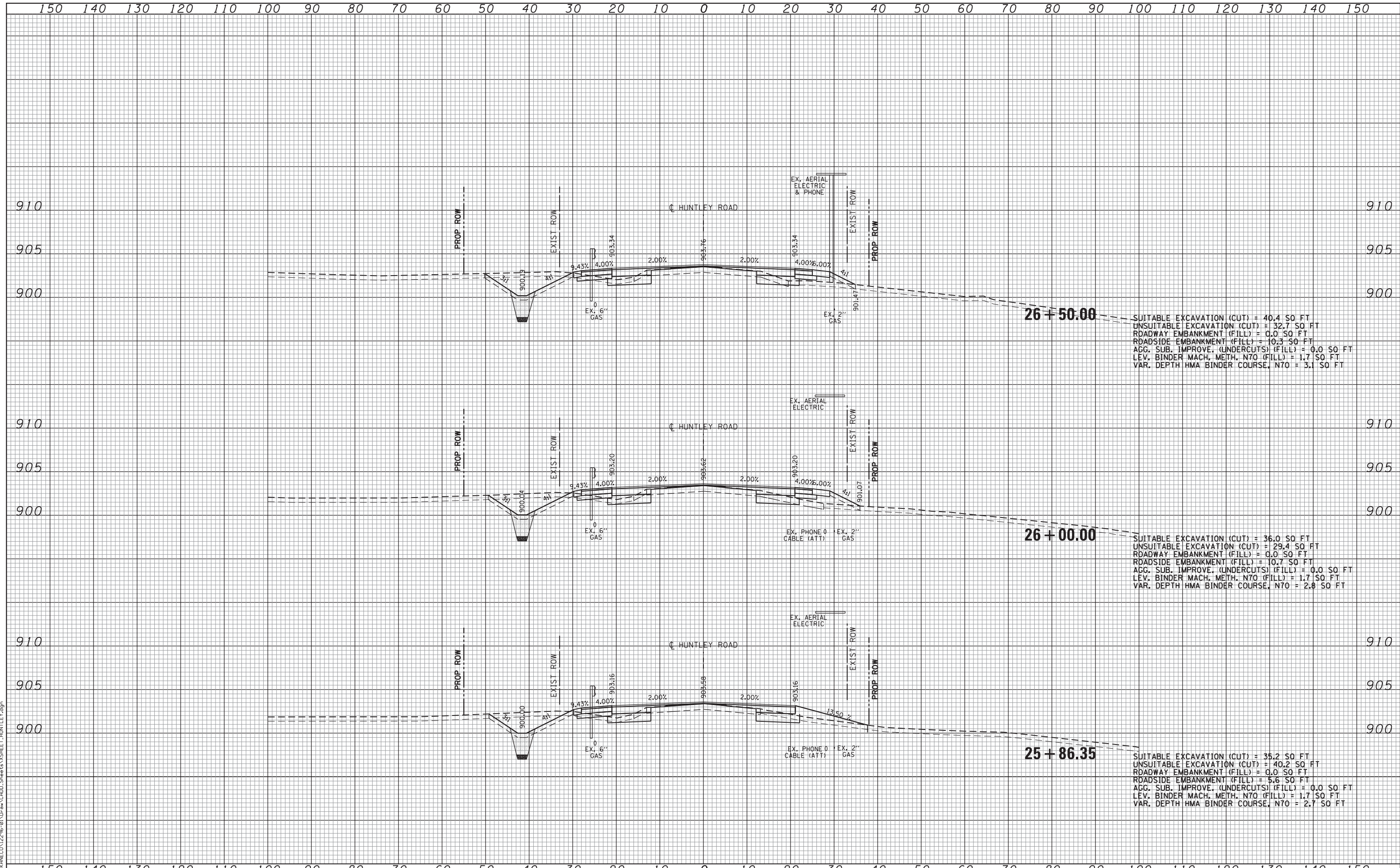
SCALE: 1" = 10' SHEET OF SHEETS STA. 24+00.00 TO STA. 25+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	77
			CONTRACT NO. 63858	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
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DATE	
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ORIGINAL SURVEY	
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FILE NAME = L:\KANE\COV12296-01\Drawings\08-00112-00-CH\HUNTLEY.XSHEET



26 + 50.00
 SUITABLE EXCAVATION (CUT) = 40.4 SO FT
 UNSUITABLE EXCAVATION (CUT) = 32.7 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 10.3 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.7 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.1 SO FT

26 + 00.00
 SUITABLE EXCAVATION (CUT) = 36.0 SO FT
 UNSUITABLE EXCAVATION (CUT) = 29.4 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 10.7 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.7 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 2.8 SO FT

25 + 86.35
 SUITABLE EXCAVATION (CUT) = 35.2 SO FT
 UNSUITABLE EXCAVATION (CUT) = 40.2 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 5.6 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.7 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 2.7 SO FT



USER NAME = Mike Moes
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2018

DESIGNED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HUNTLEY ROAD
 CROSS - SECTIONS

SCALE: 1" = 10' SHEET OF SHEETS STA. 25+86.35 TO STA. 26+50.00

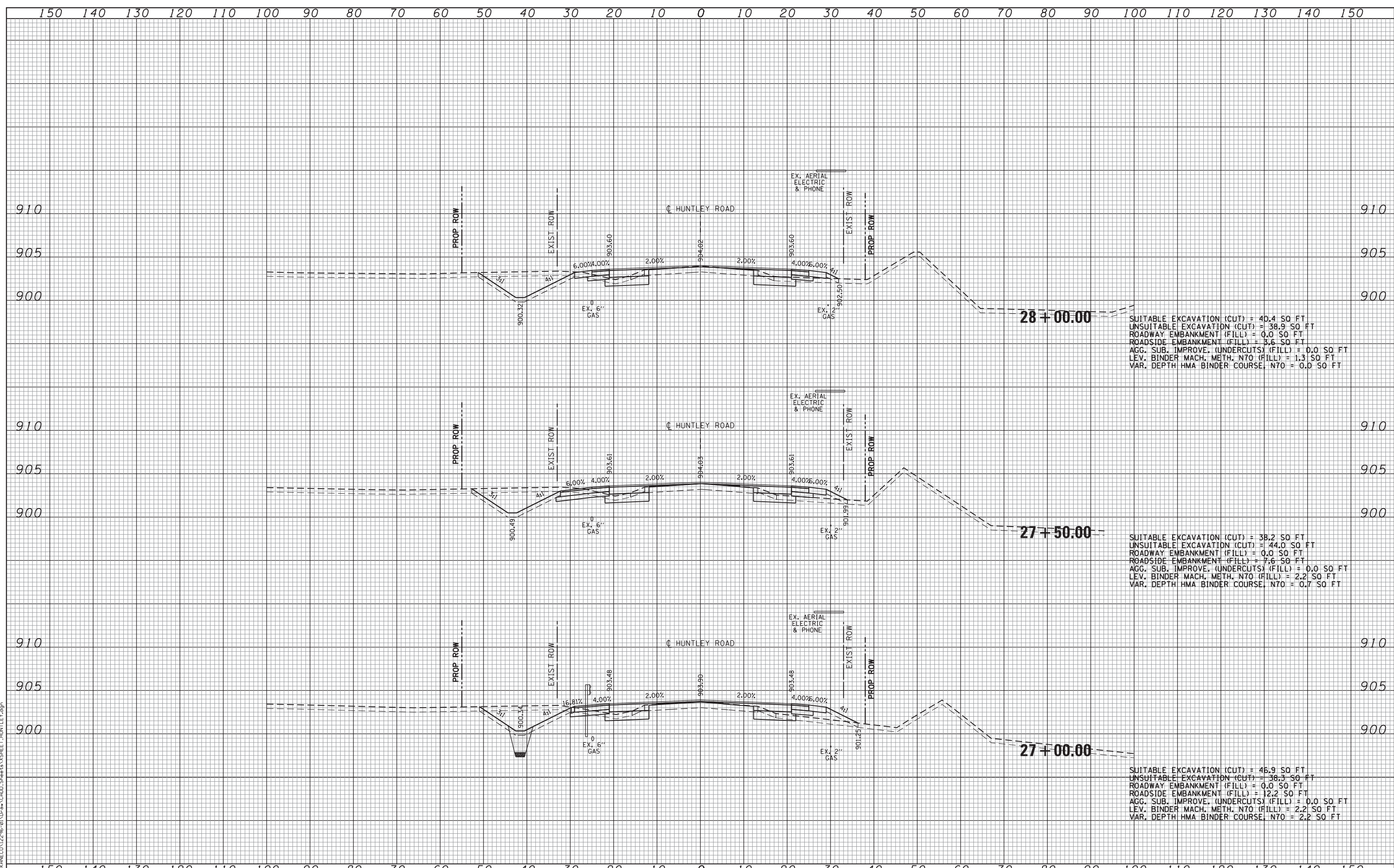
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	78
CONTRACT NO. 63858				

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	
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DATE	
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ORIGINAL SURVEY	
SURVEYED	
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FILE NAME = L:\KANE\COV2296-01\DWG\CADD\Sheet3.XSHEET_HUNTLEY.PGP



SUITABLE EXCAVATION (CUT) = 40.4 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 38.9 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 5.6 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.3 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.0 SQ FT

SUITABLE EXCAVATION (CUT) = 38.2 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 44.0 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 7.6 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.2 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.7 SQ FT

SUITABLE EXCAVATION (CUT) = 46.9 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 38.3 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 12.2 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.2 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 2.2 SQ FT



USER NAME = Mike Moes
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2018

DESIGNED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HUNTLEY ROAD
 CROSS - SECTIONS

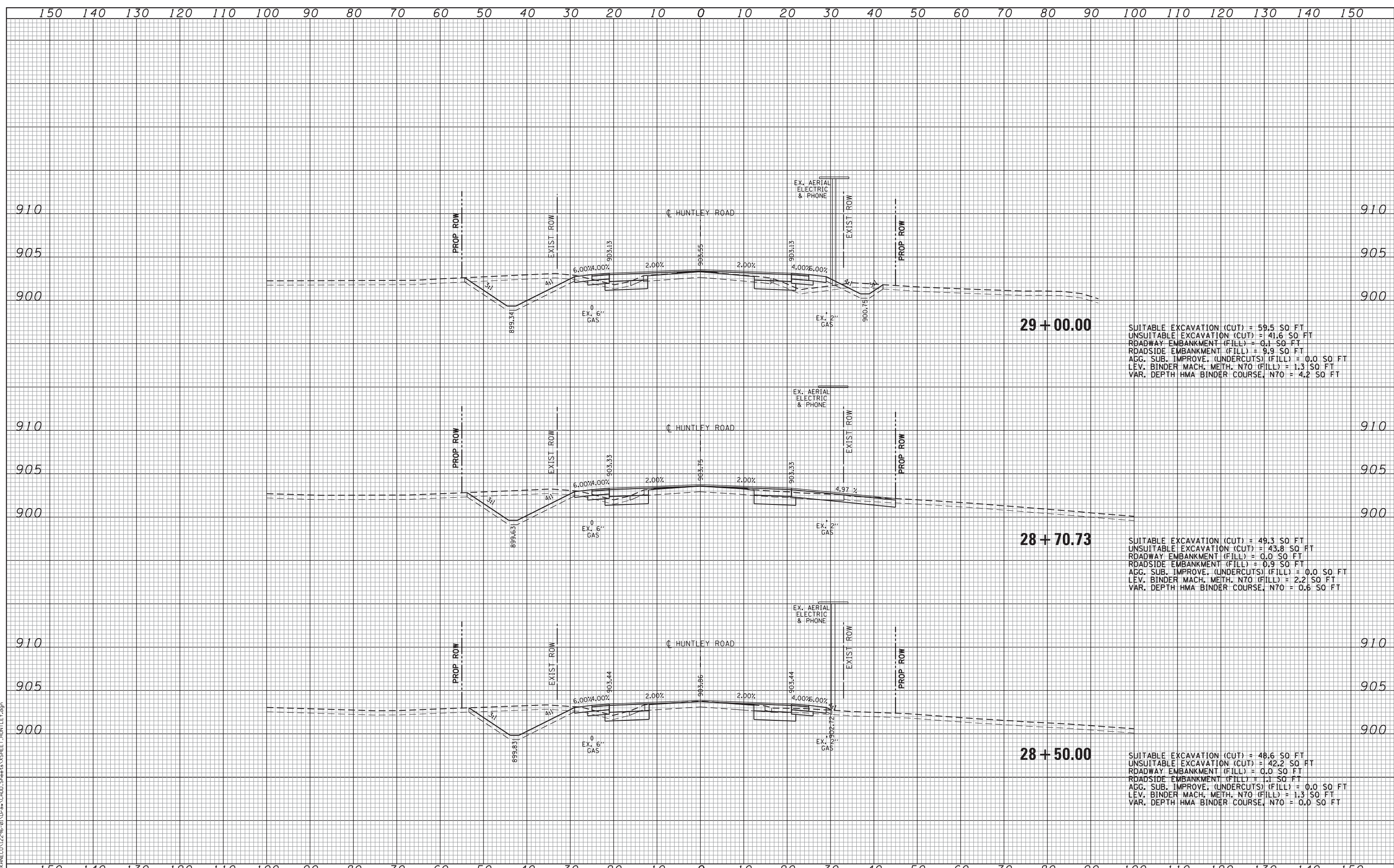
SCALE: 1" = 10' SHEET OF SHEETS STA. 27+00.00 TO STA. 28+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	79
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
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DATE	
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ORIGINAL SURVEY	
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FILE NAME = L:\KANECD\12296-01\D:\CADD\Drawings\Sheet_Huntley.dwg



29 + 00.00

SUITABLE EXCAVATION (CUT) = 59.5 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 41.6 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.1 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 9.9 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.3 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 4.2 SQ FT

28 + 70.73

SUITABLE EXCAVATION (CUT) = 49.3 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 43.8 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 0.9 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.2 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.6 SQ FT

28 + 50.00

SUITABLE EXCAVATION (CUT) = 48.6 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 42.2 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 1.1 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.3 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.0 SQ FT



USER NAME = Mike Moes
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 DATE - 2/13/2018

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HUNTLEY ROAD
 CROSS - SECTIONS

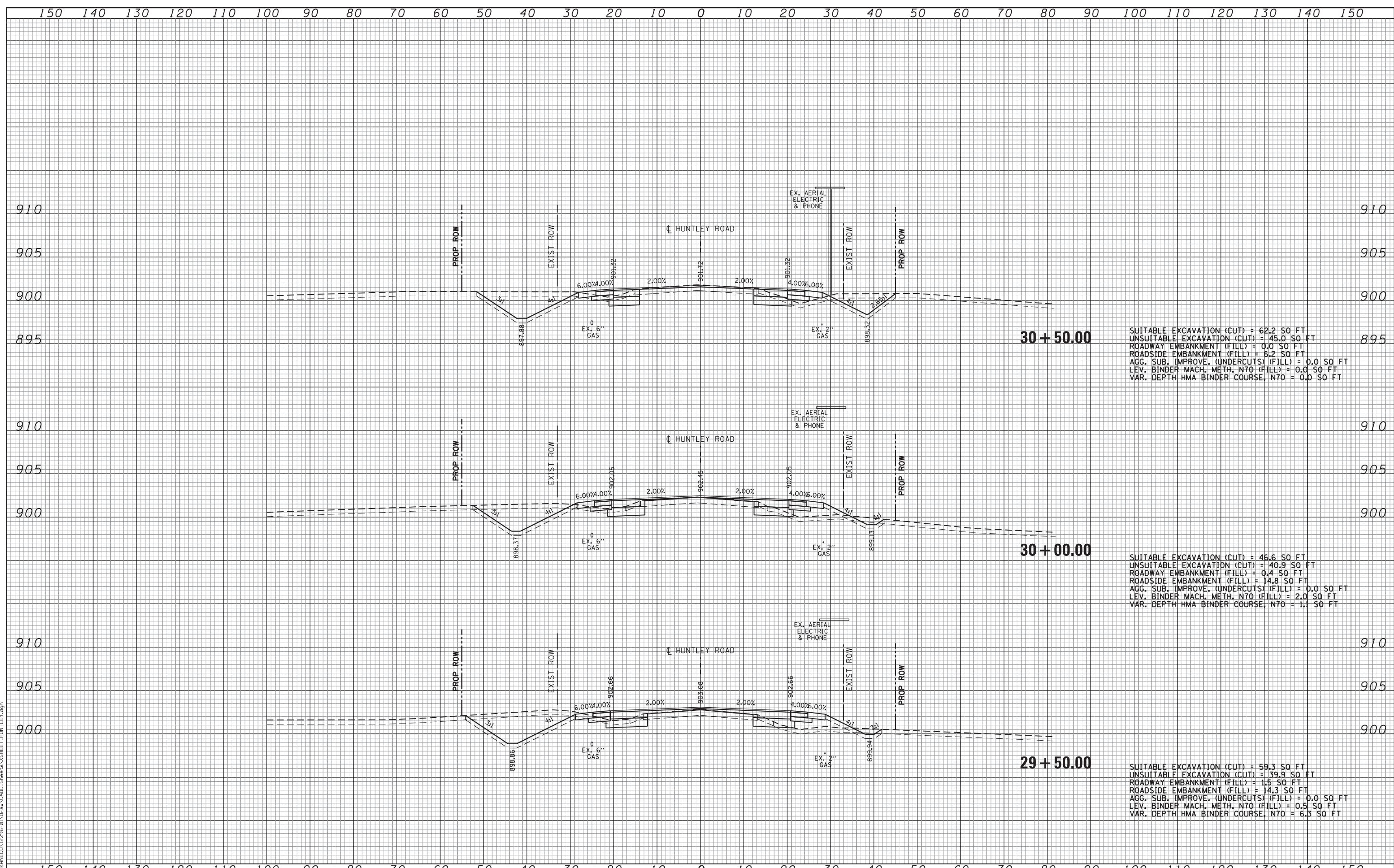
SCALE: 1" = 10' SHEET OF SHEETS STA. 28+50.00 TO STA. 29+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	80
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
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TEMPLATE	
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FILE NAME = L:\KANE\COV12296-01\DWG\CADD_Sheets\XSHEET_HUNTLEY.dwg



30 + 50.00

SUITABLE EXCAVATION (CUT) = 62.2 SO FT
 UNSUITABLE EXCAVATION (CUT) = 45.0 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 6.2 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.0 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.0 SO FT

30 + 00.00

SUITABLE EXCAVATION (CUT) = 46.6 SO FT
 UNSUITABLE EXCAVATION (CUT) = 40.9 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.4 SO FT
 ROADSIDE EMBANKMENT (FILL) = 14.8 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.0 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 1.1 SO FT

29 + 50.00

SUITABLE EXCAVATION (CUT) = 59.3 SO FT
 UNSUITABLE EXCAVATION (CUT) = 39.9 SO FT
 ROADWAY EMBANKMENT (FILL) = 1.5 SO FT
 ROADSIDE EMBANKMENT (FILL) = 14.3 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.5 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 6.5 SO FT



USER NAME = Mike Moes
 PLOT SCALE = 10.0000 "/in.
 PLOT DATE = 2/13/2018

DESIGNED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HUNTLEY ROAD
 CROSS - SECTIONS

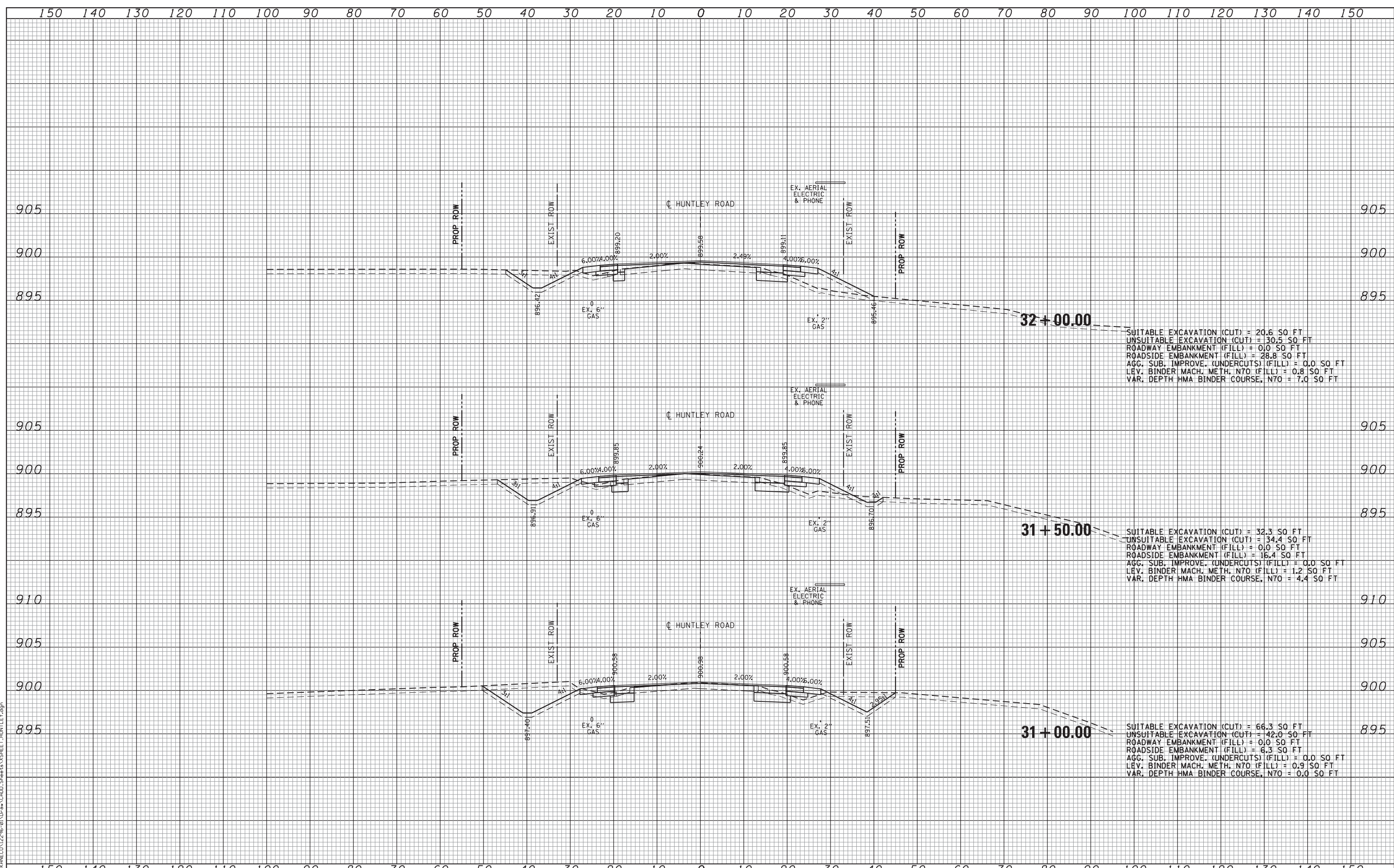
SCALE: 1" = 10' SHEET OF SHEETS STA. 29+50.00 TO STA. 30+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	81
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

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

FILE NAME = L:\KANE\CO\12296-01\DWG\CADD_Sheets\XSheet_HUNTLEY.dwg



SUITABLE EXCAVATION (CUT) = 20.6 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 30.5 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 28.8 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.8 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 7.0 SQ FT

SUITABLE EXCAVATION (CUT) = 32.3 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 34.4 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 16.4 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.2 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 4.4 SQ FT

SUITABLE EXCAVATION (CUT) = 66.3 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 42.0 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 6.3 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.9 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.0 SQ FT



USER NAME = Mike Moes
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2018

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HUNTLEY ROAD
 CROSS - SECTIONS

SCALE: 1" = 10' SHEET OF SHEETS STA. 31+00.00 TO STA. 32+00.00

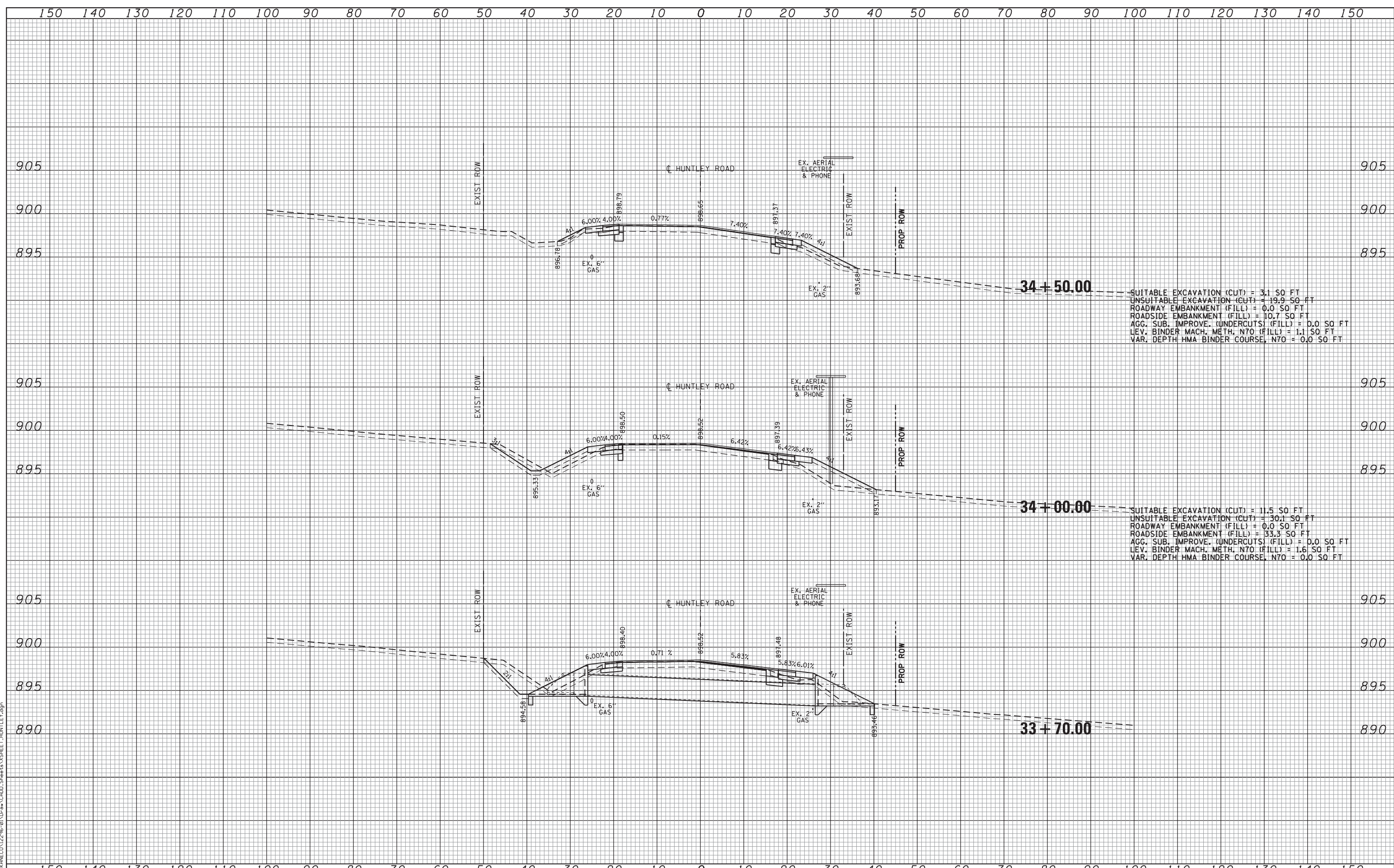
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	82
			CONTRACT NO. 63858	

ILLINOIS FED. AID PROJECT

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

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

FILE NAME = L:\KANE\COV12296-01\DWG\CADD_SHEET_33.SHEET_HUNTLEY.DWG



34 + 50.00
 SUITABLE EXCAVATION (CUT) = 3.1 SO FT
 UNSUITABLE EXCAVATION (CUT) = 19.9 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 10.7 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.1 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.0 SO FT

34 + 00.00
 SUITABLE EXCAVATION (CUT) = 11.5 SO FT
 UNSUITABLE EXCAVATION (CUT) = 30.1 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 33.3 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 0.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.6 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.0 SO FT

33 + 70.00



USER NAME = Mike Moes
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2018

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HUNTLEY ROAD
 CROSS - SECTIONS

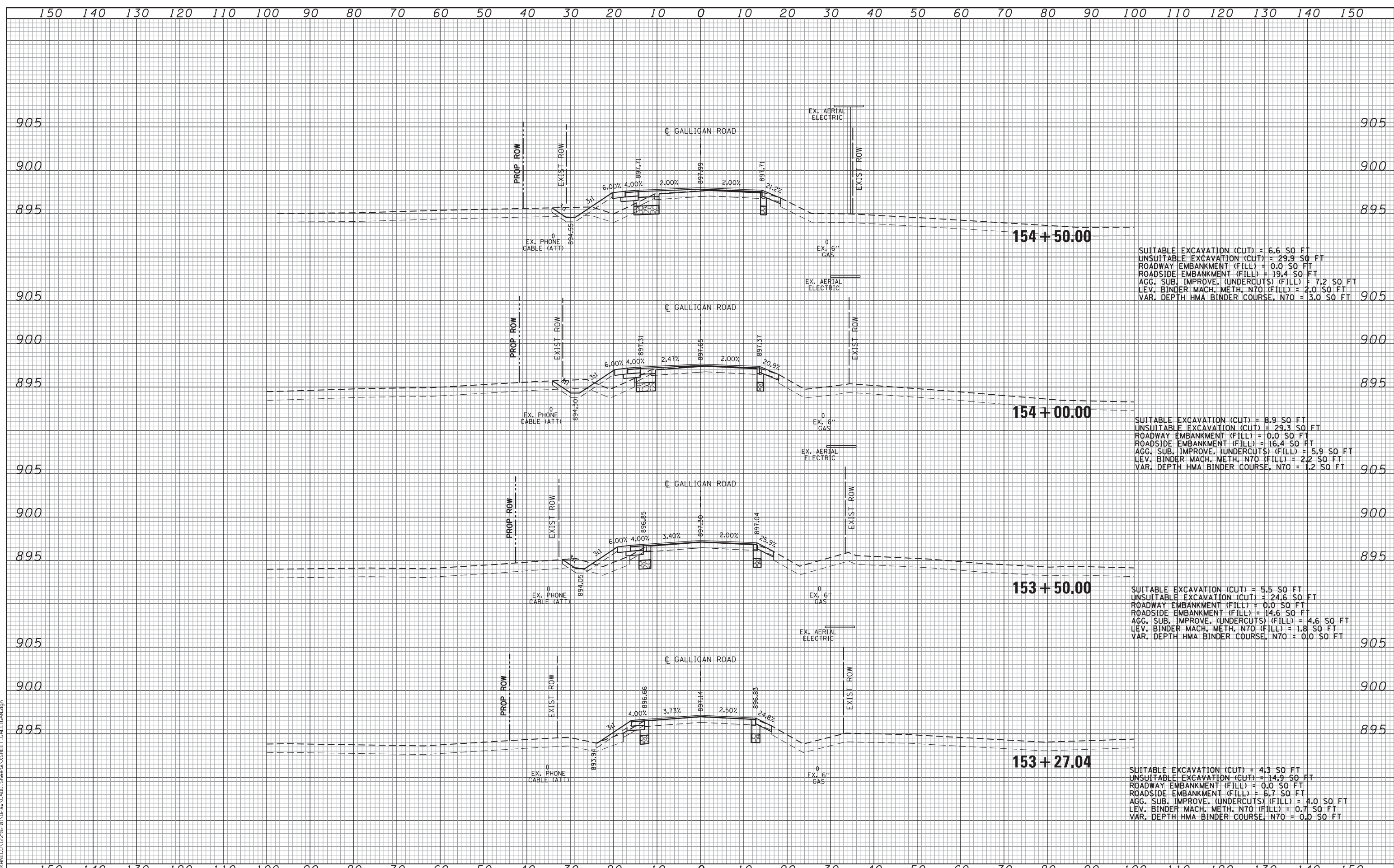
SCALE: 1" = 10' SHEET OF SHEETS STA. 33+70.00 TO STA. 34+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-0012-00-CH		93	84
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
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TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
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FILE NAME = L:\KANECD\12296-01\0-00\CADD_Sheets\XSHEET_GALLIGAN.dwg



SUITABLE EXCAVATION (CUT) = 6.6 SO FT
 UNSUITABLE EXCAVATION (CUT) = 29.9 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 19.4 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 7.2 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.0 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.0 SO FT

SUITABLE EXCAVATION (CUT) = 8.9 SO FT
 UNSUITABLE EXCAVATION (CUT) = 29.3 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 16.4 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 5.9 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.2 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 1.2 SO FT

SUITABLE EXCAVATION (CUT) = 5.5 SO FT
 UNSUITABLE EXCAVATION (CUT) = 24.6 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 14.6 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 4.6 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.8 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.0 SO FT

SUITABLE EXCAVATION (CUT) = 4.3 SO FT
 UNSUITABLE EXCAVATION (CUT) = 14.9 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 6.7 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 4.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.7 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 0.0 SO FT



USER NAME = Mike Moes
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GALLIGAN ROAD
 CROSS - SECTIONS

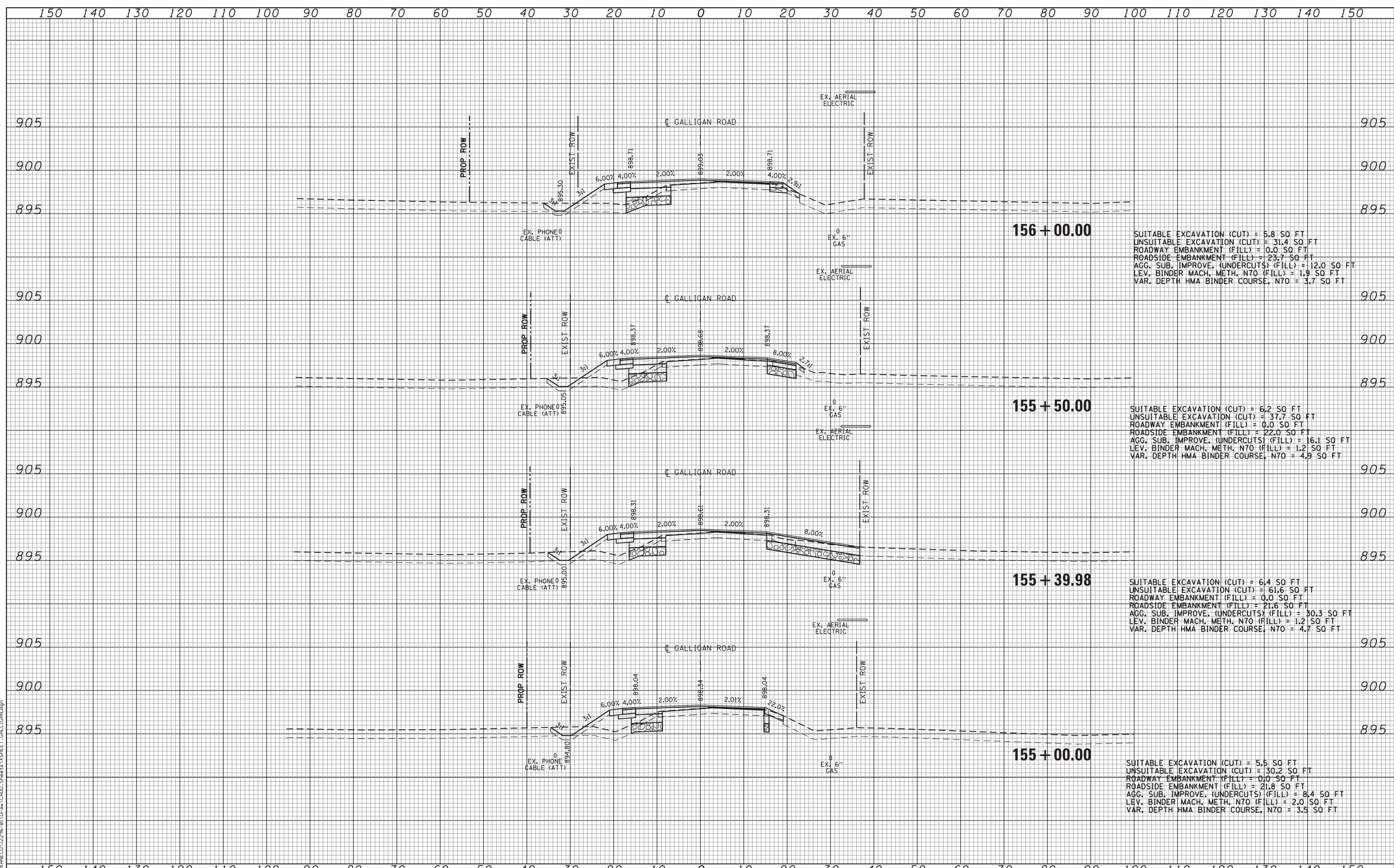
SCALE: 1" = 10' SHEET OF SHEETS STA. 153+27.04 TO STA. 154+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	85
			CONTRACT NO. 63858	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
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AREAS CHECKED	

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ORIGINAL SURVEY	
PLOTTED TEMPLATE	
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FILE NAME = L:\KANE\CO\12296-01\DWG\CADD_Sheets\XSHEET_GALLIGAN.DWG



156 + 00.00
 SUITABLE EXCAVATION (CUT) = 5.8 SO FT
 UNSUITABLE EXCAVATION (CUT) = 31.4 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 23.7 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 12.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.9 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.7 SO FT

155 + 50.00
 SUITABLE EXCAVATION (CUT) = 6.2 SO FT
 UNSUITABLE EXCAVATION (CUT) = 37.7 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 22.0 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 16.1 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.2 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 4.9 SO FT

155 + 39.98
 SUITABLE EXCAVATION (CUT) = 6.4 SO FT
 UNSUITABLE EXCAVATION (CUT) = 61.6 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 21.6 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 30.3 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.2 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 4.7 SO FT

155 + 00.00
 SUITABLE EXCAVATION (CUT) = 5.5 SO FT
 UNSUITABLE EXCAVATION (CUT) = 30.2 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 21.8 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 8.4 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 2.0 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.5 SO FT



USER NAME = Mike Moes
 PLOT SCALE = 10.0000 "/in.
 PLOT DATE = 2/13/2018

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GALLIGAN ROAD
 CROSS - SECTIONS

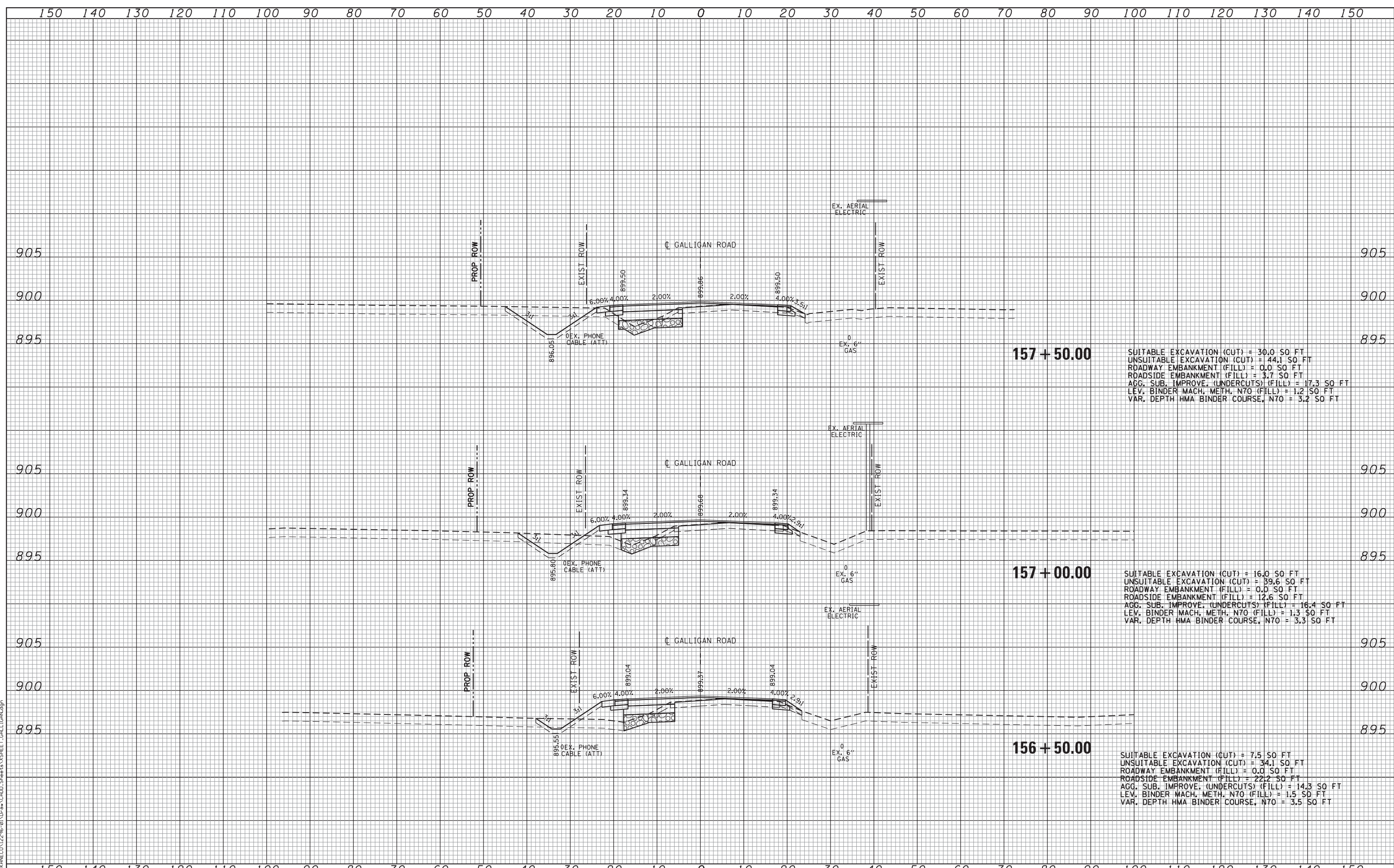
SCALE: 1" = 10' SHEET OF SHEETS STA. 155+00.00 TO STA. 156+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	86
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

DATE	
BY	
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157 + 50.00

SUITABLE EXCAVATION (CUT) = 30.0 SO FT
 UNSUITABLE EXCAVATION (CUT) = 44.1 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 3.7 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 17.3 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.2 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.2 SO FT

157 + 00.00

SUITABLE EXCAVATION (CUT) = 16.0 SO FT
 UNSUITABLE EXCAVATION (CUT) = 39.6 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 12.6 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 16.4 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.3 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.3 SO FT

156 + 50.00

SUITABLE EXCAVATION (CUT) = 7.5 SO FT
 UNSUITABLE EXCAVATION (CUT) = 34.1 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 22.2 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 14.3 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.5 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.5 SO FT



USER NAME = Mike Moes
 DESIGNED -
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 PLOT SCALE = 10.0000' / in.
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 PLOT DATE = 2/13/2018
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GALLIGAN ROAD
 CROSS - SECTIONS

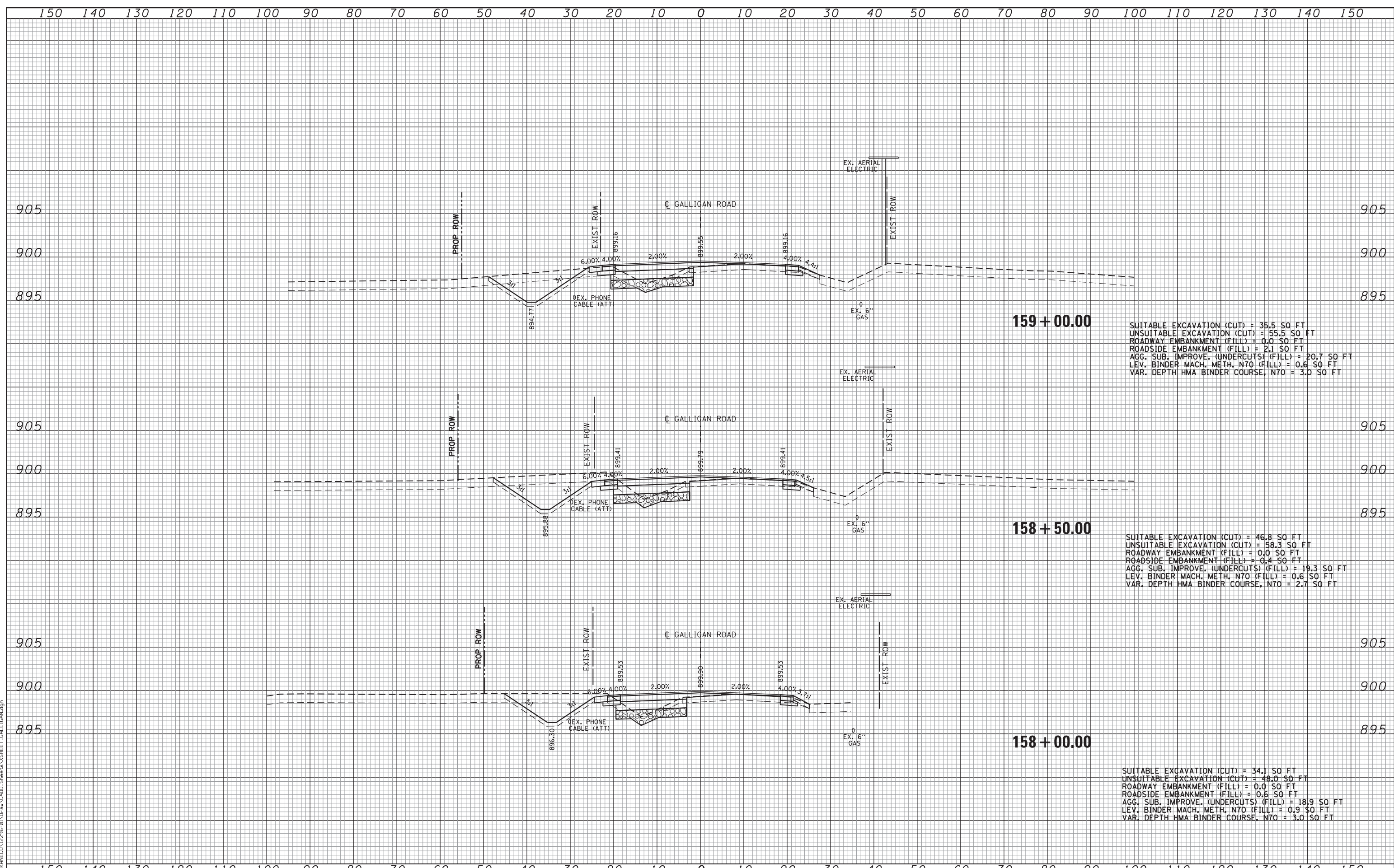
SCALE: 1" = 10' SHEET OF SHEETS STA. 156+50.00 TO STA. 157+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	87
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

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

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

FILE NAME = L:\KANECD\12296-01\Drawings\08-00112-Sheets\Sheet - Galligan.dwg



159 + 00.00
 SUITABLE EXCAVATION (CUT) = 35.5 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 55.5 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 2.1 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 20.7 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.6 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.0 SQ FT

158 + 50.00
 SUITABLE EXCAVATION (CUT) = 46.8 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 58.3 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 0.4 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 19.3 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.6 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 2.7 SQ FT

158 + 00.00
 SUITABLE EXCAVATION (CUT) = 34.1 SQ FT
 UNSUITABLE EXCAVATION (CUT) = 48.0 SQ FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SQ FT
 ROADSIDE EMBANKMENT (FILL) = 0.6 SQ FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 18.9 SQ FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.9 SQ FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.0 SQ FT



USER NAME = Mike Moes
 DESIGNED -
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 PLOT SCALE = 10.0000' / in.
 CHECKED -
 PLOT DATE = 2/13/2018

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GALLIGAN ROAD
 CROSS - SECTIONS

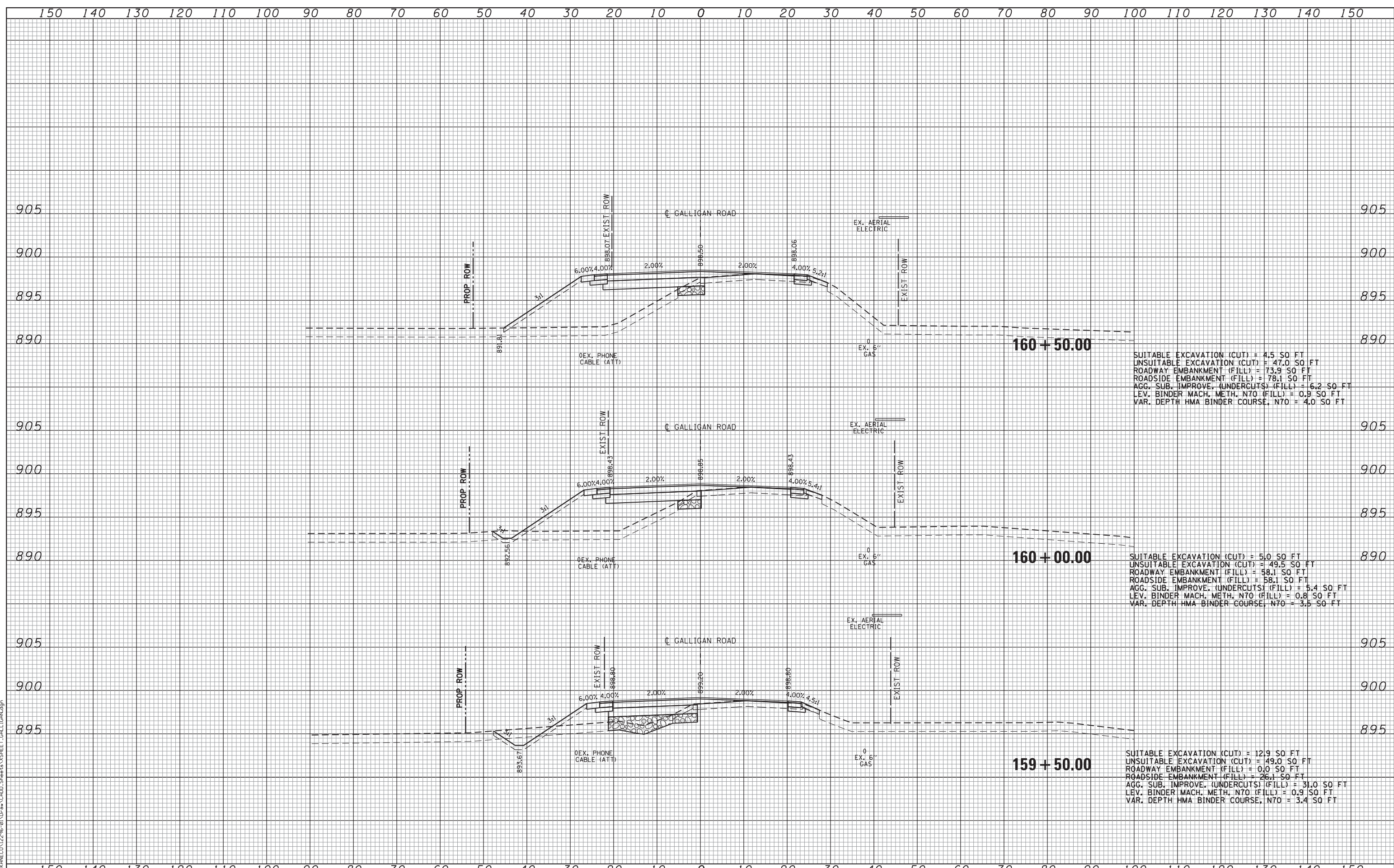
SCALE: 1" = 10' SHEET OF SHEETS STA. 158+00.00 TO STA. 159+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	88
			CONTRACT NO. 63858	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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SUITABLE EXCAVATION (CUT) = 4.5 SO FT
 UNSUITABLE EXCAVATION (CUT) = 47.0 SO FT
 ROADWAY EMBANKMENT (FILL) = 73.9 SO FT
 ROADSIDE EMBANKMENT (FILL) = 78.1 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 6.2 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.9 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 4.0 SO FT

SUITABLE EXCAVATION (CUT) = 5.0 SO FT
 UNSUITABLE EXCAVATION (CUT) = 49.5 SO FT
 ROADWAY EMBANKMENT (FILL) = 58.1 SO FT
 ROADSIDE EMBANKMENT (FILL) = 58.1 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 5.4 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.8 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.5 SO FT

SUITABLE EXCAVATION (CUT) = 12.9 SO FT
 UNSUITABLE EXCAVATION (CUT) = 49.0 SO FT
 ROADWAY EMBANKMENT (FILL) = 0.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 26.1 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 31.0 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.9 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.4 SO FT



USER NAME = Mike Moes
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2018

DESIGNED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GALLIGAN ROAD
 CROSS - SECTIONS

SCALE: 1" = 10' SHEET OF SHEETS STA. 159+50.00 TO STA. 160+50.00

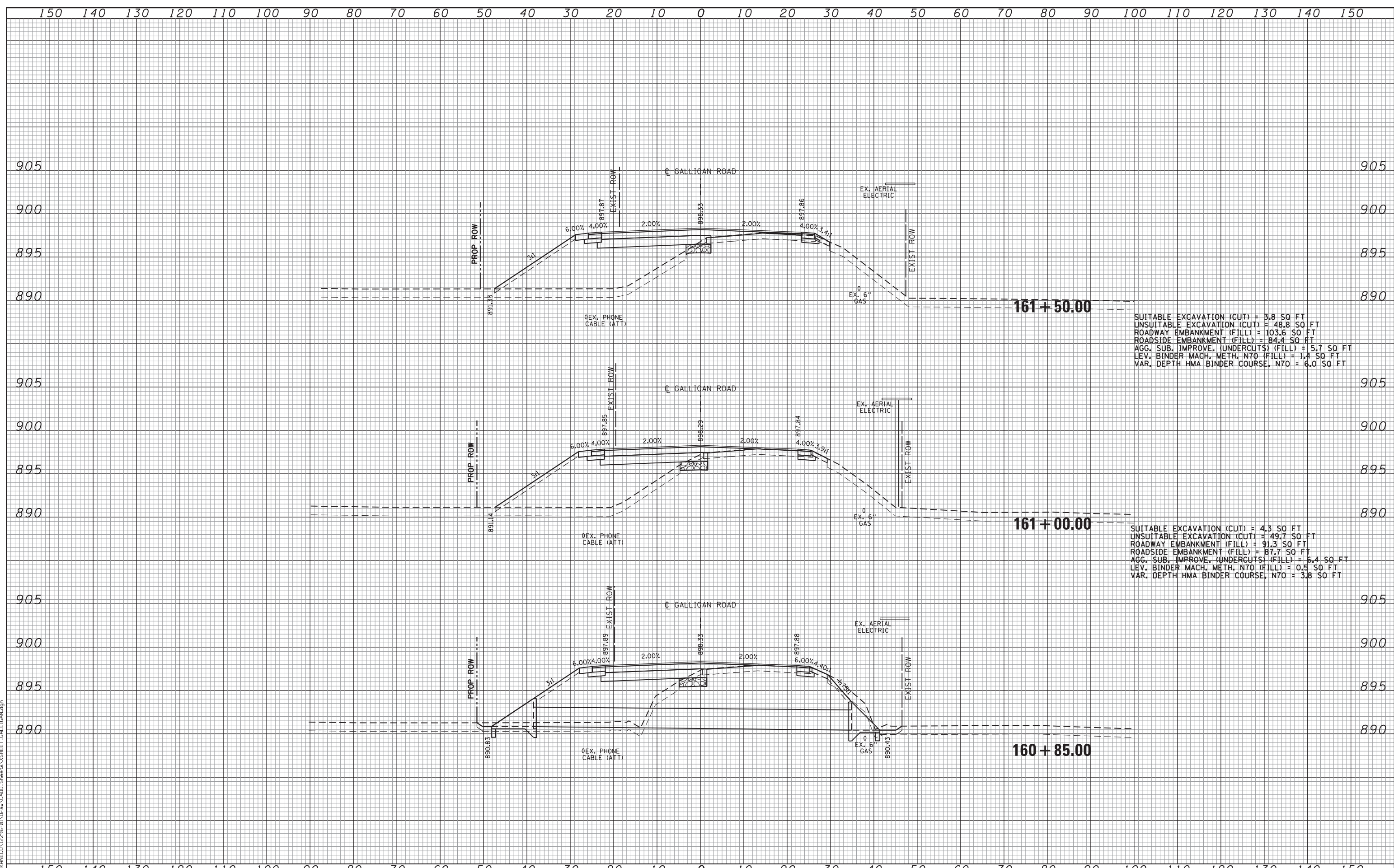
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-0012-00-CH		93	89
CONTRACT NO. 63858				

ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	

FILE NAME = L:\KANECD\12296-01\DWG\CADD_Sheets\XSHEET_GALLIGAN.dwg



SUITABLE EXCAVATION (CUT) = 3.8 SO FT
 UNSUITABLE EXCAVATION (CUT) = 48.8 SO FT
 ROADWAY EMBANKMENT (FILL) = 103.6 SO FT
 ROADSIDE EMBANKMENT (FILL) = 84.4 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 5.7 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.4 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 6.0 SO FT

SUITABLE EXCAVATION (CUT) = 4.3 SO FT
 UNSUITABLE EXCAVATION (CUT) = 49.7 SO FT
 ROADWAY EMBANKMENT (FILL) = 91.3 SO FT
 ROADSIDE EMBANKMENT (FILL) = 87.7 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 6.4 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.5 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.8 SO FT



USER NAME = Mike Moes
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/13/2018

DESIGNED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GALLIGAN ROAD
 CROSS - SECTIONS

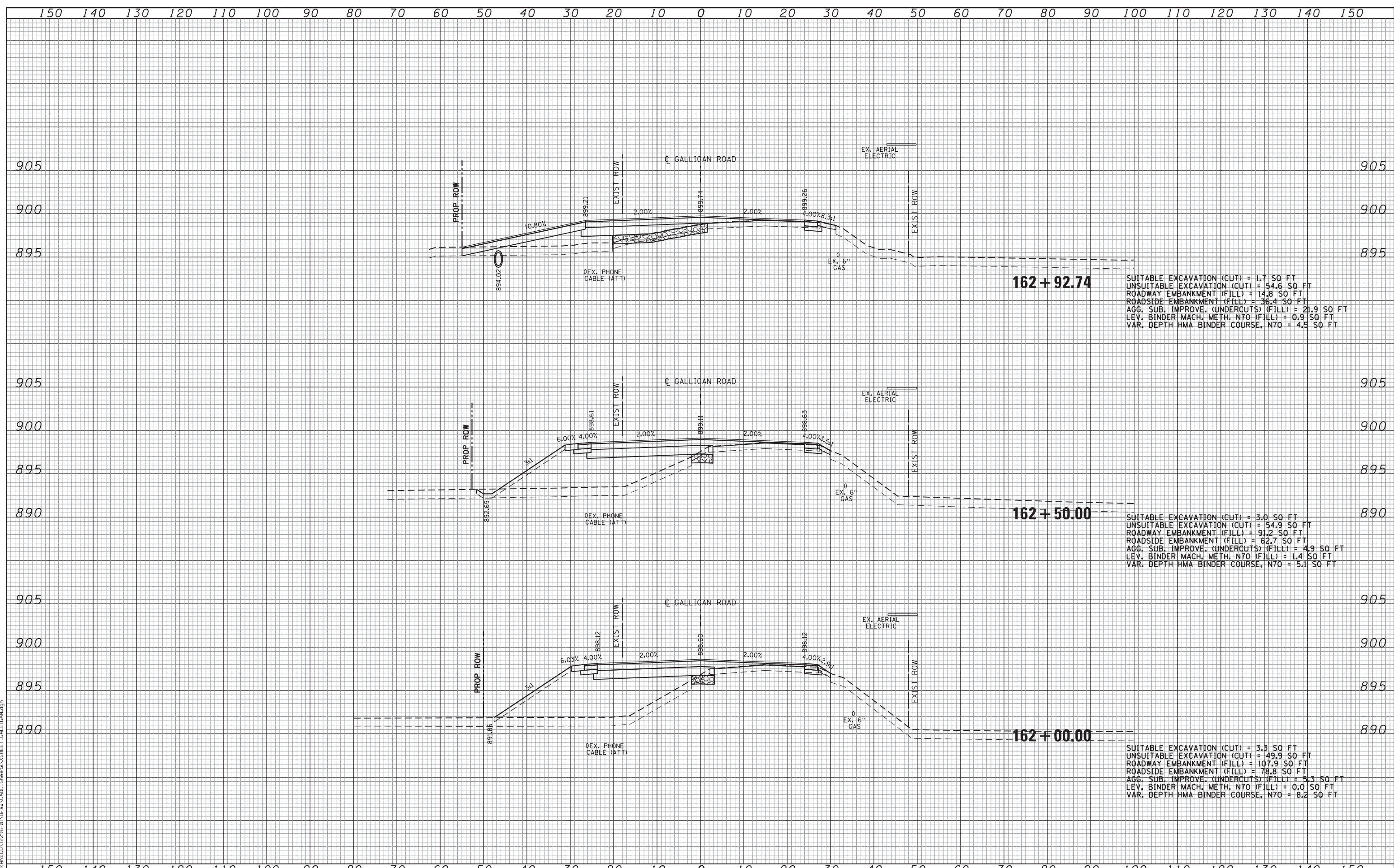
SCALE: 1" = 10' SHEET OF SHEETS STA. 160+85.00 TO STA. 161+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	90
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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AREAS	
CHECKED	
NO.	

FILE NAME = L:\KANE\CO\12296-01\DWG\CADD_SHEET_YSHEET_GALLIGAN.DWG



162 + 92.74
 SUITABLE EXCAVATION (CUT) = 1.7 SO FT
 UNSUITABLE EXCAVATION (CUT) = 54.6 SO FT
 ROADWAY EMBANKMENT (FILL) = 14.8 SO FT
 ROADSIDE EMBANKMENT (FILL) = 36.4 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 21.9 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.9 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 4.5 SO FT

162 + 50.00
 SUITABLE EXCAVATION (CUT) = 3.0 SO FT
 UNSUITABLE EXCAVATION (CUT) = 54.9 SO FT
 ROADWAY EMBANKMENT (FILL) = 91.2 SO FT
 ROADSIDE EMBANKMENT (FILL) = 62.7 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 4.9 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.4 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 5.1 SO FT

162 + 00.00
 SUITABLE EXCAVATION (CUT) = 3.3 SO FT
 UNSUITABLE EXCAVATION (CUT) = 49.9 SO FT
 ROADWAY EMBANKMENT (FILL) = 107.9 SO FT
 ROADSIDE EMBANKMENT (FILL) = 78.8 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 5.3 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.0 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 8.2 SO FT



USER NAME = Mike Moes
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GALLIGAN ROAD
 CROSS - SECTIONS

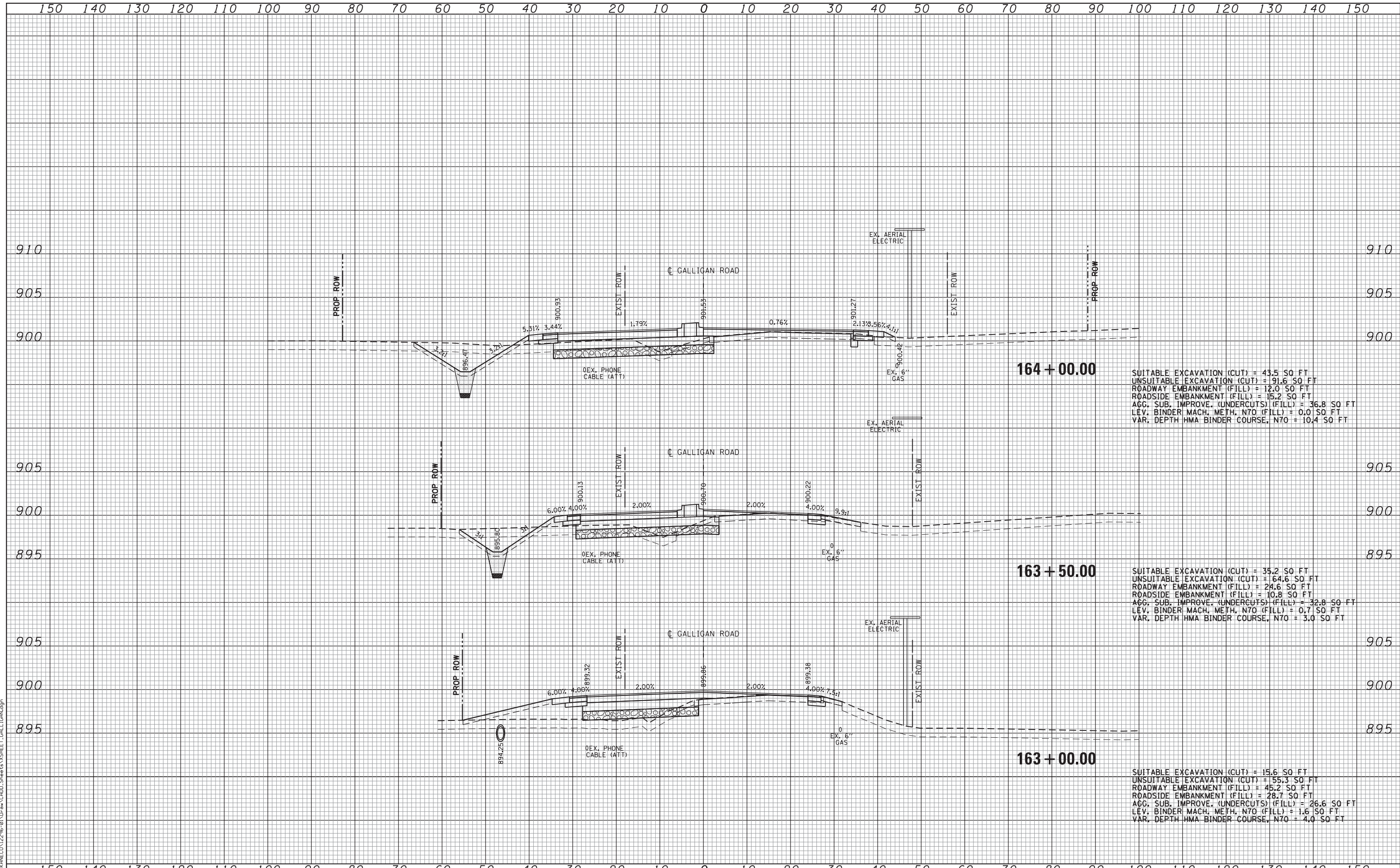
SCALE: 1" = 10' SHEET OF SHEETS STA. 162+00.00 TO STA. 162+92.74

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	91
CONTRACT NO. 63858			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

FILE NAME = L:\KANECD\12296-01\DWG\CADD_Sheets\XSHEET_GALLIGAN.dwg



164 + 00.00

SUITABLE EXCAVATION (CUT) = 43.5 SO FT
 UNSUITABLE EXCAVATION (CUT) = 91.6 SO FT
 ROADWAY EMBANKMENT (FILL) = 12.0 SO FT
 ROADSIDE EMBANKMENT (FILL) = 15.2 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 36.8 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.0 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 10.4 SO FT

163 + 50.00

SUITABLE EXCAVATION (CUT) = 35.2 SO FT
 UNSUITABLE EXCAVATION (CUT) = 64.6 SO FT
 ROADWAY EMBANKMENT (FILL) = 24.6 SO FT
 ROADSIDE EMBANKMENT (FILL) = 10.8 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 32.8 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 0.7 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 3.0 SO FT

163 + 00.00

SUITABLE EXCAVATION (CUT) = 15.6 SO FT
 UNSUITABLE EXCAVATION (CUT) = 55.3 SO FT
 ROADWAY EMBANKMENT (FILL) = 45.2 SO FT
 ROADSIDE EMBANKMENT (FILL) = 28.7 SO FT
 AGG. SUB. IMPROVE. (UNDERCUTS) (FILL) = 26.6 SO FT
 LEV. BINDER MACH. METH. N70 (FILL) = 1.6 SO FT
 VAR. DEPTH HMA BINDER COURSE, N70 = 4.0 SO FT



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GALLIGAN ROAD
 CROSS - SECTIONS**

SCALE: 1" = 10' SHEET OF SHEETS STA. 163+00.00 TO STA. 164+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4066	08-00112-00-CH		93	92
			CONTRACT NO. 63858	
ILLINOIS FED. AID PROJECT				

