

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS**

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	1
		ILLINOIS	CONTRACT NO. 60Y26	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE VILLAGE OF ORLAND PARK

DESIGN DESIGNATION: LOCAL ROAD (BROOK HILL DR.)

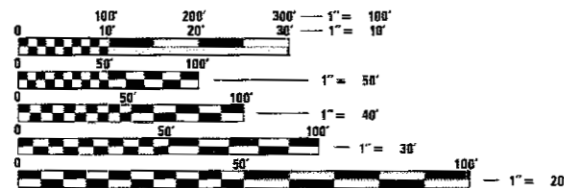
2010 ADT=1,833
DESIGN SPEED=20 MPH
POSTED SPEED=25 MPH

DESIGN DESIGNATION: MAJOR COLLECTOR (179TH STREET)

2014 ADT=7,850
2040 ADT=10,000
DESIGN SPEED=35 MPH
POSTED SPEED=35 MPH

DESIGN DESIGNATION: OTHER PRINCIPAL ARTERIAL (US ROUTE 6)

2015 ADT=5,750
2040 ADT=19,000
DESIGN SPEED=55 MPH
POSTED SPEED=50 MPH



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

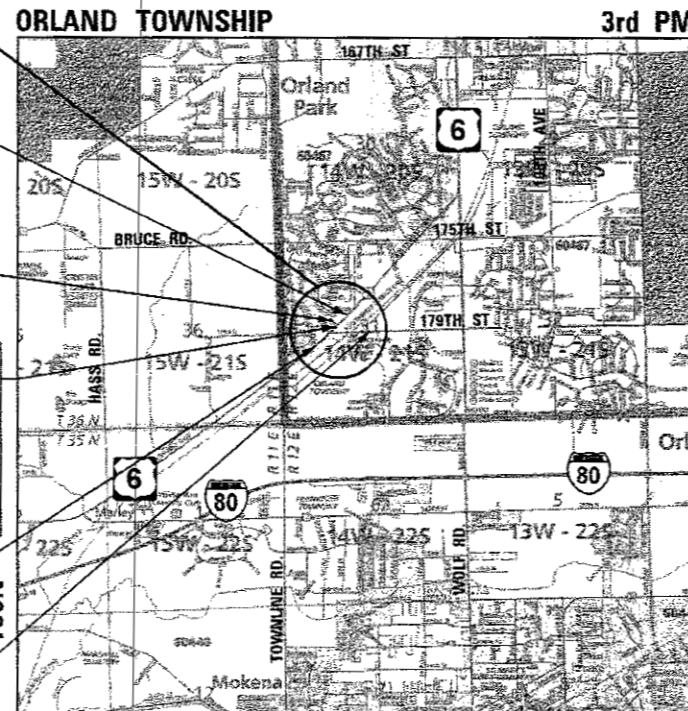
MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES (773) 287-7672.

PROJECT MANAGER: MR. FAWAD AQUEEL, P.E., PTOE (847) 705-4247
PROJECT ENGINEER: MR. J. ALAIN MIDY, P.E. (847) 221-3056
CONTRACT NO. 60Y26

**FAU ROUTE 0297: US ROUTE 6 (SOUTHWEST HWY.)
AT 179TH STREET / BROOK HILL DR. (S.N. 016-2282)
SECTION: 3178G-N(14)
INTERSECTION IMPROVEMENT / HORIZONTAL REALIGNMENT
PROJECT NUMBER: HSIP-M6EY(956)
COOK COUNTY**

IMPROVEMENT LOCATION
US ROUTE 6 (SOUTHWEST HWY.)
AND 179TH ST./BROOK HILL DR.
STRUCTURE NO. 016-2282

- END PROJECT
US ROUTE 6
STA 510 + 50
- BEGIN PROJECT
BROOK HILL DR.
STA 804 + 67.04
- US ROUTE 6
STA 503 + 29.25 =
BROOK HILL DR./
179TH ST.
STA 807 + 01.73
- BEGIN PROJECT
US ROUTE 6
STA 495 + 50
- END PROJECT
179TH STREET
STA 812 + 61.98



LOCATION MAP NOT TO SCALE R12E
GROSS LENGTH = 1500 FT. = 0.284 MILE
NET LENGTH = 1500 FT. = 0.284 MILE

Accurate GROUP, INC.
WWW.ACCGI.COM
101 SCHELTER RD., SUITE B-200
LINCOLNSHIRE, ILLINOIS 60069
T (847) 613-1100 F (847) 613-110
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.0020 3

[Signature]
DATE SIGNED: 1/24/18
EXP. DATE: 11/30/19
SHEETS: 58-64

[Signature]
DATE SIGNED: 1-26-18
EXP. DATE: 11-30-18
SHEETS: 91-101

[Signature]
DATE SIGNED:
EXP. DATE:
SHEETS: 1-57, 65-90, 10E-51

[Signature]
DATE SIGNED: 1/30/2018
EXP. DATE: 11/30/2018
SHEETS: 102-107



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED FEBRUARY 2, 2018
[Signature] REGIONAL ENGINEER
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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COMMITMENTS

NONE

STATE HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-03	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-04	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424026-02	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/ SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311-07	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTIONS
542546-01	FLUSH INLET BOX FOR MEDIAN
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET TYPE A
602401-04	PRECAST MANHOLE TYPE A 4' DIAMETER
602406-08	PRECAST MANHOLE TYPE A 6' DIAMETER
602411-06	PRECAST MANHOLE TYPE A 7' DIAMETER
602416-06	PRECAST MANHOLE TYPE A 8' DIAMETER
602501-03	PRECAST VALVE VAULT TYPE A 4' DIAMETER
602601-05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604011-05	FRAME AND GRATE TYPE 3V
604036-03	GRATE TYPE 8
604091-03	FRAME AND GRATE TYPE 24
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
631006-08	TRAFFIC BARRIER TERMINAL, TYPE 1B
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
725001-01	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
821101-02	LUMINAIRE WIRING DIAGRAM
825021-03	LIGHTING CONTROLLER BASE MOUNT 240V
830001-03	LIGHT POLE ALUMINUM MAST ARM
830026	TEMPORARY ROADWAY LIGHTING
836001-03	LIGHT POLE FOUNDATION
838001-01	BREAKAWAY DEVICES
862001-01	UNINTERRUPTIBLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-07	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

FILE NAME = G:\Engineering\Live\Projects\13883\DOT DUR\13883.dwg - MD 4 - Contract No. 60Y26\ADD\CAD Sheets\Civil\0168726-Sht-Index Hwy.strdgn



USER NAME = johnn	DESIGNED - AB	REVISED -
DRAWN - GP	REVISED -	
PLOT SCALE = 2.0000' / 1" =	CHECKED - JMT	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS & STATE HIGHWAY STANDARDS	
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.	
SCALE: N.T.S.	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 0297	SECTION 3178G-N14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 2
ILLINOIS FED. AID PROJECT				
CONTRACT NO. 60Y26				

GENERAL NOTES:

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0213 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES.
3. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, PRIOR TO THE START OF ANY WORK, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR (MEADE ELECTRIC COMPANY - CALL (773) 287-7672). ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR AT THEIR EXPENSE ANY FACILITIES DAMAGED DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE OF ORLAND PARK, THE COOK COUNTY HIGHWAY DEPARTMENT AND IDOT.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE PROPOSED MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
6. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
7. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
8. ALL WORK ASSOCIATED WITH INSTALLATION AND MAINTENANCE OF STABILIZED CONSTRUCTION ENTRANCES, CONCRETE WASHOUTS, AND IN-STREAM WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
10. THE ENGINEER SHALL CONTACT MR. ERIC CAMPOS, IDOT'S DISTRICT ONE SOUTHWEST AREA TRAFFIC FIELD ENGINEER VIA E-MAIL AT ERIC.CAMPOS@ILLINOIS.GOV AND, OR AT (815) 485-6475, A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
11. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
12. THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR "GUARDRAIL REMOVAL".
13. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
14. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
15. FRAME AND GRATE ADJUSTMENTS OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
16. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.
17. THE REMOVAL OF EXISTING DRAINAGE ITEMS LOCATED FURTHER THAN 2 FEET OUTSIDE THE EDGE OF PROPOSED PAVEMENT SHALL BE BACKFILLED WITH NATIVE MATERIALS AND THE COST OF THE BACKFILLING WITH NATIVE MATERIALS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE DRAINAGE ITEM TO BE REMOVED. BACKFILL UNDER AND WITHIN 2 FEET OF THE PROPOSED PAVEMENT EDGES SHALL BE IN ACCORDANCE WITH SECTION 208 OF THE STANDARD SPECIFICATIONS.
18. THE COST OF CONNECTING EXISTING STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM AND/OR CONNECTING PROPOSED STORM SEWER TO EXISTING STRUCTURES SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STORM SEWER. ALL NECESSARY ADDITIONAL PIPE USED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE STORM SEWER OF THE SIZE REQUIRED.
19. ALL PIPE UNDERDRAINS SHALL BE PLACED AT A DEPTH OF 30" BELOW THE TOP OF PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE AND IN ACCORDANCE WITH SECTION 601 OF THE STANDARD SPECIFICATIONS. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAIN ITEM.
20. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
21. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
22. UNLESS OTHERWISE SPECIFIED IN THE PLANS, REUSE THE EXISTING FRAME AND LID FOR FRAME AND LID ADJUSTMENTS OUTSIDE THE PAVEMENT.
23. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
24. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
25. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINES SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
26. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
27. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
28. UNLESS OTHERWISE SPECIFIED, BUTT JOINTS WILL BE CONSTRUCTED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS.
29. THIS PROJECT REQUIRES AN US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
30. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
31. THE CONTRACTOR SHALL CONTACT DAN KNEITA AT (312) 322-8016 TO COORDINATE RAILROAD FLAGGING SERVICES WITH METRA.
32. THE CONTRACTOR MUST OBTAIN A RIGHT OF ENTRY FROM METRA FOR THE 179TH STREET METRA CROSSING AND METRA STATION PARKING LOT ACCESS LOCATIONS.
33. SALVAGE OR RETURN THE TIMBER POLE TOGETHER WITH THE CIVIL DEFENSE SIREN AND ASSOCIATED EQUIPMENT TO KURT CORRIGAN, PE, (708) 403-6123, AT THE VILLAGE OF ORLAND PARK.
34. CONTACT TOM MARTIN, (708) 403-6350, VILLAGE OF ORLAND PARK STREETS SUPERINTENDENT, TO ARRANGE THE REMOVAL, STORAGE AND REPLACEMENT OF THE AFFECTED MEDIAN MARKERS IN THE 179TH STREET MEDIAN WEST OF THE RAILROAD.

FILE NAME = G:\Engineering\Live\Projects\13883 IDOT DDP\13883d - MD 4 Contract No. 60Y26\CD\CAD Sheets\Civil\13883-511.dgn



USER NAME = jjohn	DESIGNED - AB	REVISED -
PLOT SCALE = 2.0000' / 1" =	DRAWN - GP	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.**

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

F.A.I.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N14)	COOK	151	3
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Engineering\LiveProjects\13883\1101 DUR\13883.dwg 4 Contract No. 60Y26\CAID Sheets\Cvt\13883-50.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BOX CULVERT	95% FED 5% STATE, 5% VILLAGE TRAFFIC SIGNALS	100% VILLAGE HIGHWAY LIGHTING	100% FIRE PROTECTION DISTRICT TRAFFIC SIGNALS	100% VILLAGE UTILITY	80% STATE 20% VILLAGE ROADWAY		
				0004 RURAL	0004 S.N. 016-2282	0021 RURAL	0021 RURAL	0021 RURAL	0043 RURAL	0004 RURAL		
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	31	31								
* 20100500	TREE REMOVAL, ACRES	ACRE	0.75	0.75								
20101000	TEMPORARY FENCE	FOOT	1071	1071								
20200100	EARTH EXCAVATION	CU YD	4635	4635								
20400800	FURNISHED EXCAVATION	CU YD	90	90								
20700220	POROUS GRANULAR EMBANKMENT	CU YD	173		173							
20800150	TRENCH BACKFILL	CU YD	494	464								30
20900110	POROUS GRANULAR BACKFILL	CU YD	311	311								
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	6360	6360								
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1535	1535								
21101805	COMPOST FURNISH AND PLACE, 2"	SQ YD	16391	16391								
* 25000210	SEEDING, CLASS 2A	ACRE	3	3								
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	270	270								
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	270	270								

URBAN

14 * SPECIALTY ITEM



USER NAME = jent	DESIGNED - JMT	REVISED -
	DRAWN - JMT	REVISED -
PLOT SCALE = 2.0000' / 1"	CHECKED - TGM	REVISED -
PLOT DATE = 2/5/2018	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 0297	SECTION 3178C-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 4
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

FILE NAME = D:\Engineering\Live\Projects\13822\DOT DUR\13803d - MD 4 Contract No. 69Y26-CAD\CAD Sheets\Civil\13822-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				URBAN		90% FED		100% VILLAGE		100% FIRE PROTECTION DISTRICT	100% VILLAGE	80% STATE
				10% STATE ROADWAY	10% STATE BOX CULVERT	5% STATE	5% VILLAGE	100% VILLAGE	100% VILLAGE	TRAFFIC SIGNALS	UTILITY	20% VILLAGE
				0004 RURAL	0004 S.N. 016-2282	0021 RURAL	0021 RURAL	0021 RURAL	0043 RURAL	0004 RURAL		
*25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	270		270							
*25100115	MULCH, METHOD 2	ACRE	3.5	3.5								
*25100630	EROSION CONTROL BLANKET	SQ YD	16338	15888							450	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	820	800							20	
28000305	TEMPORARY DITCH CHECKS	FOOT	413	413								
28000315	AGGREGATE DITCH CHECKS	TON	63	63								
28000400	PERIMETER EROSION BARRIER	FOOT	4405	4095							310	
28000510	INLET FILTERS	EACH	17	11							6	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	134	134								
28100107	STONE RIPRAP, CLASS A4	SQ YD	658	586		72						
28200200	FILTER FABRIC	SQ YD	72			72						
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	2120	2120								
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	6360	6360								
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2309	1918							391	

* SPECIALTY ITEM



USER NAME = jent	DESIGNED -	REVISED -
PLOT SCALE = 2,000 Ft / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE = 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.
SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178C-N(14)	COOK	151	5
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Engineering\LevelProjects\12883\DOT_DURA\19803d - W0 4 Contract No. 60Y26\0402\0400 Sheets\Civil\0160Y26-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				URBAN		90% FED 10% STATE		90% FED 5% STATE, 5% VILLAGE		100% VILLAGE		100% FIRE PROTECTION DISTRICT	
				ROADWAY	BOX CULVERT	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS
				0004	0004	0021	0021	0021	0021	0021	0021	0043	0004
				RURAL	S.N. 016-2282	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	526	526									
35501314	HOT-MIX ASPHALT BASE COURSE, 7 1/2"	SQ YD	3993	3993									
35600706	HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/2"	SQ YD	495	495									
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8940	8940									
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	205	205									
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	503	503									
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	91	91									
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	111	111									
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	68	68									
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	121	121									
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	1120	1120									
42001300	PROTECTIVE COAT	SQ YD	1436	1105									331
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5886	2905									2981
42400800	DETECTABLE WARNINGS	SQ FT	249	72									177

*SPECIALTY ITEM



USER NAME = jgnt	DESIGNED -	REVISED -
PLOT SCALE = 2.0000 Ft. / in.	DRAWN -	REVISED -
PLOT DATE = 2/9/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SHEET	OF	SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178C-N(14)	COOK	151	6
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Engineering\LiveProjects\13803\DOT DUR\13803 - NO 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\089726-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE															
				URBAN		90% FED 10% STATE		90% FED 10% STATE		90% FED 5% STATE, 5% VILLAGE		100% VILLAGE		100% FIRE PROTECTION DISTRICT		100% VILLAGE		80% STATE 20% VILLAGE	
				ROADWAY	BOX CULVERT	ROADWAY	BOX CULVERT	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS
				0004	0004	0004	S.N. 016-2282	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	
				RURAL	S.N. 016-2282	RURAL		RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL
44000100	PAVEMENT REMOVAL	SQ YD	4307	4124											183				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	342	342															
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	6394	6394															
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	174	174															
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2075	2075															
44000600	SIDEWALK REMOVAL	SQ FT	678	678															
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	183												183				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	29	29															
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	111	111															
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	195	195															
48101200	AGGREGATE SHOULDERS, TYPE B	TON	236	236															
50102400	CONCRETE REMOVAL	CU YD	15.2		15.2														
50105220	PIPE CULVERT REMOVAL	FOOT	199	199															
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	22180		22180														

14 *SPECIALTY ITEM



USER NAME = jact	DESIGNED -	REVISED -
PLOT SCALE = 2,000 Ft / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	7
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

FILE NAME = D:\Engineering\AutoCAD\Projects\13003\DOT\DWG\13003.dwg - NO 4 Contract No. 60Y26\COO\13003.dwg - NO 4 Contract No. 60Y26\COO\13003.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE															
				URBAN		90% FED 10% STATE ROADWAY		90% FED 10% STATE BOX CULVERT		90% FED 5% STATE 5% VILLAGE TRAFFIC SIGNALS		100% VILLAGE HIGHWAY LIGHTING		100% FIRE PROTECTION DISTRICT TRAFFIC SIGNALS		100% VILLAGE UTILITY		80% STATE 20% VILLAGE ROADWAY	
				RURAL	S.N. 016-2282	0004	0004	0021	0021	0021	0021	0021	0043	0004	0004	0004	0004	0004	0004
50800515	BAR SPLICERS	EACH	58		58														
51500100	NAME PLATES	EACH	1		1														
52200010	TEMPORARY SHEET PILING	SQ FT	810		810														
54003000	CONCRETE BOX CULVERTS	CU YD	92.5		92.5														
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1															
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1															
54214731	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 36"	EACH	2	2															
54214743	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 48"	EACH	1	1															
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	87	87															
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	150	150															
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	109	109															
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	187	187															
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	37	37															
550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	448	448															

14 • SPECIALTY ITEM



USER NAME = jent	DESIGNED -	REVISED -
PLOT SCALE = 2.0000 Ft / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	31780-N(14)	COOK	151	8
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

SHEET OF SHEETS STA. TO STA.

FILE NAME = D:\Engineering\Live\Projects\13003 IDOT BUR\13003.dwg - Contract No. 60Y26\CA\DWG\CADD Sheets\1\1168725-S00.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				URBAN		90% FED 10% STATE ROADWAY	90% FED 10% STATE BOX CULVERT	90% FED 5% STATE, 5% VILLAGE TRAFFIC SIGNALS	100% VILLAGE HIGHWAY LIGHTING	100% FIRE PROTECTION DISTRICT TRAFFIC SIGNALS	100% VILLAGE UTILITY	80% STATE 20% VILLAGE ROADWAY
				0004	S.N. 016-2282	0004	0021	0021	0021	0043	0004	
550A4710	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 48"	FOOT	10	10								
55100500	STORM SEWER REMOVAL 12"	FOOT	136	136								
55101900	STORM SEWER REMOVAL 48"	FOOT	217	217								
*56103000	DUCTILE IRON WATER MAIN 6"	FOOT	60							60		
*56103100	DUCTILE IRON WATER MAIN 8"	FOOT	40							40		
*56103400	DUCTILE IRON WATER MAIN 16"	FOOT	325							325		
*56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1							1		
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2								
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	33	33								
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	2605	2605								
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1								
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	2	2								
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1								
60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3								

* SPECIALTY ITEM



USER NAME = jent	DESIGNED -	REVISED -
PLOT SCALE = 2.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE = 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.
SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	9
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\Engineering\LiveProjects\13883\DOT_DUA\13883.dwg - NO 4 Contract No. 60Y26\CA00\CAD\CAD Sheets\Civil\0109126-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				URBAN		90% FED 10% STATE ROADWAY	90% FED 10% STATE BOX CULVERT	90% FED 5% STATE, 5% VILLAGE TRAFFIC SIGNALS	100% VILLAGE HIGHWAY LIGHTING	100% FIRE PROTECTION DISTRICT TRAFFIC SIGNALS	100% VILLAGE UTILITY	80% STATE 20% VILLAGE ROADWAY
				0004	S.N. 016-2282	0004	0021	0021	0021	0043	0004	
60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2								
60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	2	2								
60224448	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 8 GRATE	EACH	4	4								
60224457	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1								
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	5	5								
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	4	4								
60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	4	4								
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4							4		
60500040	REMOVING MANHOLES	EACH	2	2								
60500050	REMOVING CATCH BASINS	EACH	1	1								
60500060	REMOVING INLETS	EACH	5	5								
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	3.7	3.7								
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	803	803								
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1084	1084								

14
 * SPECIALTY ITEM



USER NAME = jant	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	10
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60Y26

FILE NAME = D:\Engineering\1\vehphoto\13803\DDT DUR\13803 - W0 4 Contract No. 60Y26\CAD\CADD Sheets\Civil\018126-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				URBAN		90% FED 10% STATE ROADWAY	90% FED 10% STATE BOX CULVERT	90% FED 5% STATE, 5% VILLAGE TRAFFIC SIGNALS	100% VILLAGE HIGHWAY LIGHTING	100% FIRE PROTECTION DISTRICT TRAFFIC SIGNALS	100% VILLAGE UTILITY	80% STATE 20% VILLAGE ROADWAY
				0004	S.N. 016-2282	0004	0021	0021	0021	0043	0004	
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	58	58								
60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	456	456								
60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	671	671								
60622305	CONCRETE MEDIAN, TYPE SM - 4.12	SQ FT	21	21								
*63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	175	175								
*63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	18.75	18.75								
*63100041	TRAFFIC BARRIER TERMINAL, TYPE 1B	EACH	1	1								
*63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2								
*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1								
63200310	GUARDRAIL REMOVAL	FOOT	477	477								
*66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1980	1980								
*66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1								
*66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4								
66901000	BACKFILL PLUGS	CU YD	56	56								

14
* SPECIALTY ITEM



USER NAME = jent	DESIGNED -	REVISED -
PLOT SCALE = 2.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	31780-N(14)	COOK	151	11
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

FILE NAME = D:\Engineering\Live\Projects\13893\DOT DUR\13893d - W0 4 Contract No. 60Y26\CAD\CAD Sheets\Civil\13893d-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				URBAN		90% FED 10% STATE		90% FED 5% STATE, 5% VILLAGE		100% FIRE PROTECTION DISTRICT		80% STATE 20% VILLAGE	
				ROADWAY	BOX CULVERT	TRAFFIC SIGNALS	HIGHWAY LIGHTING	TRAFFIC SIGNALS	UTILITY	ROADWAY	0004	0004	0021
RURAL	S.N. 016-2282	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12									
67100100	MOBILIZATION	L SUM	1	1									
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1									
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1									
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1									
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	120	120									
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8672	8672									
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	723	723									
70300900	PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS	SQ FT	98	98									
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	33931	33931									
70300906	PAVEMENT MARKING TAPE, TYPE IV 6"	FOOT	111	111									
70300912	PAVEMENT MARKING TAPE, TYPE IV 12"	FOOT	110	110									
70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	34	34									
70400100	TEMPORARY CONCRETE BARRIER	FOOT	212.5	212.5									

14
• SPECIALTY ITEM



USER NAME = jent	DESIGNED -	REVISED -
PLOT SCALE = 2,000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.			
SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	12
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\Engineering\Live\Projects\13803 DDT DRAFT\13803a - MO 4 Contract No. 60Y26\CD\CD\CD00 Sheets\Civil\018026-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BOX CULVERT	90% FED 5% STATE, 5% VILLAGE TRAFFIC SIGNALS	100% VILLAGE HIGHWAY LIGHTING	100% FIRE PROTECTION DISTRICT TRAFFIC SIGNALS	100% VILLAGE UTILITY	80% STATE 20% VILLAGE ROADWAY		
				0004 RURAL	0004 S.N. 016-2282	0021 RURAL	0021 RURAL	0021 RURAL	0043 RURAL	0004 RURAL		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	125	125								
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	5	5								
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2								
*72000100	SIGN PANEL - TYPE 1	SQ FT	27	27								
*72000200	SIGN PANEL - TYPE 2	SQ FT	75			75						
*72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	15	15								
*72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	95	95								
*72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	20	20								
*72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	101	101								
*72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1								
*72900100	METAL POST - TYPE A	FOOT	139	139								
*72900200	METAL POST - TYPE B	FOOT	84	84								
*73000100	WOOD SIGN SUPPORT	FOOT	64	64								
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	316	316								

URBAN

*SPECIALTY ITEM



USER NAME = jent	DESIGNED -	REVISED -
PLOT SCALE = 2,0000 Ft / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE. 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 13
CONTRACT NO. 60Y26				ILLINOIS FED. AID PROJECT

FILE NAME = D:\Engineering\Live\Projects\19003 DOT DUK119063d - W0 4 - Contract No. 60Y26\CA\CA000 - Sheets\Civil\190626-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BOX CULVERT	90% FED 5% STATE, 5% VILLAGE TRAFFIC SIGNALS	100% VILLAGE HIGHWAY LIGHTING	100% FIRE PROTECTION DISTRICT TRAFFIC SIGNALS	100% VILLAGE UTILITY	80% STATE 20% VILLAGE ROADWAY	
				0004 RURAL	0004 S.N. 016-2282	0021 RURAL	0021 RURAL	0021 RURAL	0043 RURAL	0004 RURAL	
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11997	11997							
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1677	1677							
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1220	1220							
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	147	147							
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	167	167							
*78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	208	208							
*78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	8	8							
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	22	22							
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	28	28							
*80400100	ELECTRIC SERVICE INSTALLATION	EACH	2				2				
*80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1				1				
*81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	797			797					
*81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	645			75	570				
*81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	424			424					

URBAN

14

*SPECIALTY ITEM



USER NAME = jant	DESIGNED -	REVISED -
PLOT SCALE = 2,000 ft / in	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	14
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\Engineering\LiveProjects\30893 ID01 DUR\30893 - MC 4 Contract No. 68726\CADD\CADD Sheets\Civil\30893-50.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE															
				URBAN		90% FED 10% STATE ROADWAY		90% FED 10% STATE BOX CULVERT		90% FED 5% STATE, 5% VILLAGE TRAFFIC SIGNALS		100% VILLAGE HIGHWAY LIGHTING		100% FIRE PROTECTION DISTRICT TRAFFIC SIGNALS		100% VILLAGE UTILITY		80% STATE 20% VILLAGE ROADWAY	
				RURAL	S.N. 016-2282	0004	0004	0021	0021	0021	0021	0043	0043	0004	0004				
*81400100	HANDHOLE	EACH	3																
*81400200	HEAVY-DUTY HANDHOLE	EACH	4																
*81400300	DOUBLE HANDHOLE	EACH	2																
*81603055	UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2300							2300									
*81702417	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GROUND	FOOT	50							50									
*81800320	AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE	FOOT	520							520									
*82103400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	4							4									
*82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1							1									
*83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	16							16									
*83057355	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	4							4									
*83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	153							153									
*83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	16							16									
*87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1218							1218									
*87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1528							1528									

*SPECIALTY ITEM



USER NAME = jant	DESIGNED -	REVISED -
PLOT SCALE = 2,000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	31780-N(14)	COOK	151	15
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\Engineering\Live\Projects\138023\DOT DUFF\138023 - WD 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\08Y26-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				90% FED 10% STATE ROADWAY	90% FED 10% STATE BOX CULVERT	90% FED 5% STATE, 5% VILLAGE TRAFFIC SIGNALS	100% VILLAGE HIGHWAY LIGHTING	100% FIRE PROTECTION DISTRICT TRAFFIC SIGNALS	100% VILLAGE UTILITY	80% STATE 20% VILLAGE ROADWAY	
				0004 RURAL	0004 S.N. 016-2282	0021 RURAL	0021 RURAL	0021 RURAL	0043 RURAL	0004 RURAL	
*87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1096			1096					
*87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1439			1439					
*87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1584			1584					
*87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	134			134					
*87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	637			637					
*87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1			1					
*87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3			3					
*87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1			1					
*87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1			1					
*87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1			1					
*87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1			1					
*87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20			20					
*87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4					
*87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27			27					

URBAN

14
*SPECIALTY ITEM



USER NAME = jent	DESIGNED -	REVISED -
PLOT SCALE = 2,0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

F.A.U. RTE. 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 16
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

SHEET OF SHEETS STA. TO STA.

FILE NAME = Q:\Engineering\AutoProjects\13000 IDOT DRAFT\13000 - NO 4 Contract No. 60Y26\CAIDY\CAIDY Sheets\Civil\018726-SD0.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				URBAN		5% STATE, 5% VILLAGE		100% VILLAGE		100% FIRE PROTECTION DISTRICT	
				90% FED 10% STATE ROADWAY 0004	90% FED 10% STATE BOX CULVERT 0004 S.N. 016-2282	TRAFFIC SIGNALS 0021 RURAL	HIGHWAY LIGHTING 0021 RURAL	TRAFFIC SIGNALS 0021 RURAL	UTILITY 0043 RURAL	80% STATE 20% VILLAGE ROADWAY 0004 RURAL	
*87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26			26					
*88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4			4					
*88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2			2					
*88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4			4					
*88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4			4					
*88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8			8					
*88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8			8					
*88500100	INDUCTIVE LOOP DETECTOR	EACH	9			9					
*88600100	DETECTOR LOOP, TYPE I	FOOT	993			993					
*88700200	LIGHT DETECTOR	EACH	2					2			
*88700300	LIGHT DETECTOR AMPLIFIER	EACH	1					1			
*88800100	PEDESTRIAN PUSH-BUTTON	EACH	8			8					
*A2000216	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	11	11							
*A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3							

*SPECIALTY ITEM



USER NAME = jant	DESIGNED -	REVISED -
PLDT SCALE = 2,000 ft / in.	DRAWN -	REVISED -
PLDT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178C-N14)	COOK	151	17
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

FILE NAME = G:\Engineering\Live\Projects\12883\DOT\DIR\12883 - WQ 4 - Contract No. 60Y26\CADD\CADD Sheets\12883-0018-000.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				URBAN		90% FED 10% STATE		90% FED 5% STATE, 5% VILLAGE		100% VILLAGE	
				ROADWAY 0004	BOX CULVERT S.N. 016-2282	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	TRAFFIC SIGNALS 0021	UTILITY 0043	ROADWAY 0004	
*A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	7							
*K1005465	SELECTIVE MOWING STAKES	EACH	5	5							
X0322128	MEMBRANE WATERPROOFING FOR BURIED STRUCTURES	SQ YD	126		126						
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	5	5							
*X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	280					280			
X0327036	BIKE PATH REMOVAL	SQ YD	453	453							
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	6717	6717							
*X1400107	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1			1					
*X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1					
*X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1			1					
*X1400203	LUMINAIRE, LED, HORIZONTAL MOUNT, TYPE B	EACH	16				16				
*X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.5	0.5							
*X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.25	0.25							
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	924	924							

*SPECIALTY ITEM



USER NAME = jent	DESIGNED -	REVISED -
PLOT SCALE = 2.0000 ft / in.	DRAWN -	REVISED -
PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

F.A.U. RTE. 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 18
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

SHEET OF SHEETS STA. TO STA.

FILE NAME = D:\Engineering\Live\Projects\13883 IDDT DUR\13883d - MO 4 Contract No. 60Y26\CONTRACT SHEETS\Civil\0180728-900.dgn

14

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE															
				URBAN	90% FED 10% STATE	90% FED 10% STATE	90% FED 5% STATE, 5% VILLAGE	100% VILLAGE	100% FIRE PROTECTION DISTRICT	100% VILLAGE	80% STATE 20% VILLAGE								
				ROADWAY 0004	ROADWAY 0004	BOX CULVERT S.N. 016-2282	TRAFFIC SIGNALS 0021 RURAL	HIGHWAY LIGHTING 0021 RURAL	TRAFFIC SIGNALS 0021 RURAL	UTILITY 0043 RURAL	ROADWAY 0004 RURAL								
X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	1																
X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	1																
X5630016	CUT AND CAP EXISTING 16" WATER MAIN	EACH	2																
X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	1																
X5630716	CONNECTION TO EXISTING WATER MAIN 16"	EACH	2																
X5930100	CONTROLLED LOW-STRENGTH MATERIAL, SPECIAL	CU YD	49.5			49.5													
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	6																
X6026622	VALVE VAULTS TO BE REMOVED	EACH	2																
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		0.95														0.05
X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	126		126														
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	5987		5987														
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	69		69														
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1																1
Z0007430	TEMPORARY SIDEWALK	SQ FT	2050		2050														



USER NAME = jent	DESIGNED -	REVISED -
DRAWN -	CHECKED -	REVISED -
PLOT SCALE = 2.8208 Ft. / in.	DATE - 01-29-2018	REVISED -
PLOT DATE = 2/5/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SHEET	OF	SHEETS	STA. TO STA.

F.A.L. RTE. 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 19
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Engineering\Live\Projects\3063 DOT DFR\3063 - W 4 Cont-act No. 88126\CD\CD\CD\Sheets\CV\1\158126-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE													
				URBAN		ROADWAY		TRAFFIC SIGNALS		HIGHWAY LIGHTING		100% FIRE PROTECTION DISTRICT		100% VILLAGE		80% STATE 20% VILLAGE	
				99% FED 10% STATE	90% FED 10% STATE	95% FED 5% STATE 5% VILLAGE	100% VILLAGE	100% FIRE PROTECTION DISTRICT	100% VILLAGE	80% STATE 20% VILLAGE	0004	0004	0021	0021	0021	0043	0004
RURAL	S.N. 016-2282	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL	RURAL		
Z0010615	CLEANING EXISTING INLETS	EACH	4	4													
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.95									0.05				
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103													
*Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	8						8								
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1													
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	5	5													
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	37	37													
Z0056614	STORM SEWER (WATER MAIN REQUIREMENTS) 21 INCH	FOOT	69	69													
Z0056637	STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE 36 INCH	FOOT	189	189													
Z0062456	TEMPORARY PAVEMENT	SQ YD	1313	1313													
Z0068200	STEEL CASINGS 30"	FOOT	83										83				
Ø Z0076600	TRAINEES	HOUR	500	500													
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500													
X1200188	ABANDON EXISTING WATER MAIN, FILL WITH CLSM, 8"	FOOT	90										90				
X1200195	ABANDON EXISTING WATER MAIN, FILL WITH CLSM, 16"	FOOT	320										320				
X1200196	BUTTERFLY VALVES 16" AND VAULT, TYPE A, 6'-DIAMETER	EACH	1										1				
X1200197	WATER VALVES 8" AND VAULT, TYPE A, 5'-DIAMETER	EACH	1										1				
X1400316	GAS/OIL PIPELINE PROTECTION	L SUM	1										1				
X1700066	POTHOLING	EACH	10										10				

*SPECIALTY ITEM
Ø 0042



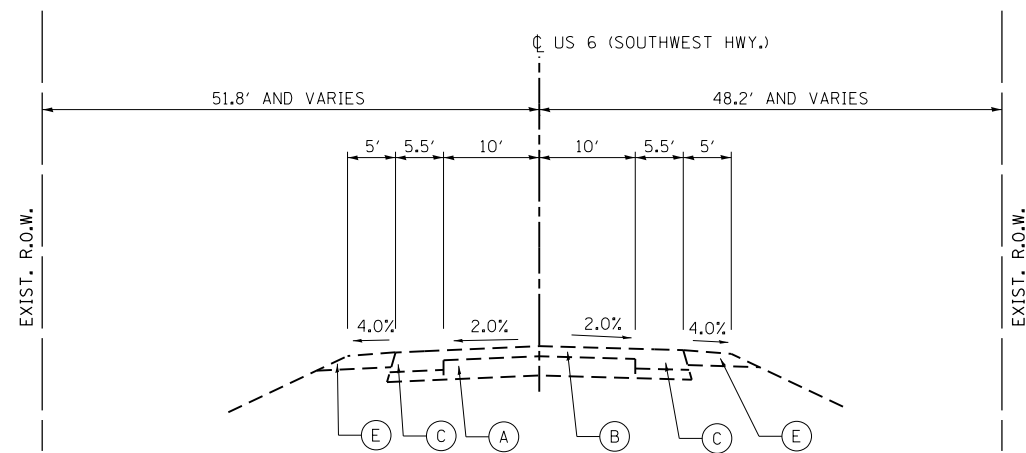
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PLOT DATE = 2/5/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

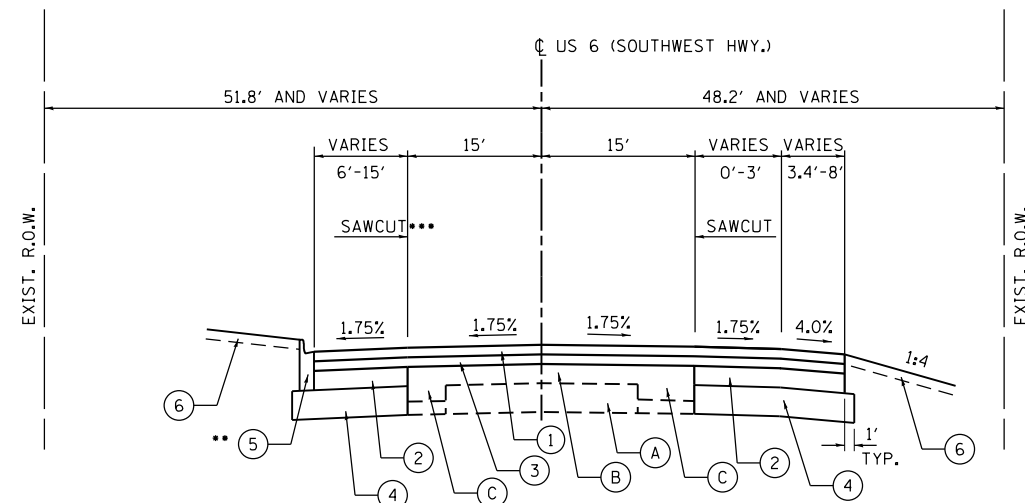
SUMMARY OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

F.A.J. RTE. 0297	SECTION 3178C-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 20
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

1 □ Revised

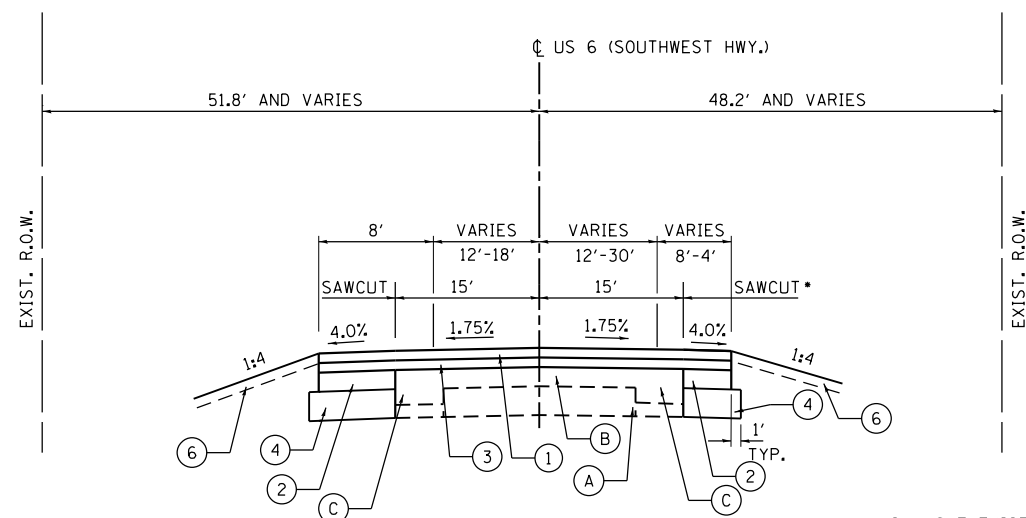


**EXISTING TYPICAL SECTION
US 6 (SOUTHWEST HWY.)**
STA. 495+50 TO STA. 510+50



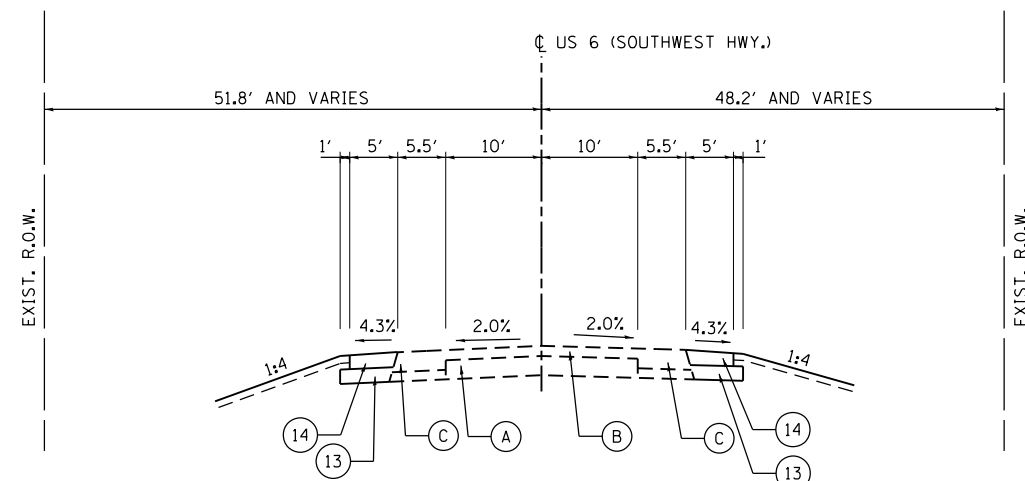
**PROPOSED TYPICAL SECTION
US 6 (SOUTHWEST HWY.)**
STA. 502+00 TO STA. 508+34

** COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.12
STA. 502+00 TO STA. 502+73.86
*** NO SAWCUT LT. STA. 502+62 TO LT. STA. 503+68



**PROPOSED TYPICAL SECTION
US 6 (SOUTHWEST HWY.)**
STA. 495+50 TO STA. 502+00
STA. 508+34 TO STA. 510+50

* SAW CUT EXISTING PAVEMENT:
STA. 499+98, 32.33' RT TO STA. 500+41.65, 34' RT
STA. 500+41.65 TO STA. 501+28.81, 34' RT



**PROPOSED TYPICAL SECTION
US 6 (SOUTHWEST HWY.)**
STA. 493+00 TO STA. 495+50
STA. 510+50 TO STA. 513+00

NOTE: ITEM (13) REMAINS AFTER THE
TEMPORARY PAVEMENT IS REMOVED

LEGEND

- | | | |
|--|---|--|
| (A) EXISTING CONCRETE PAVEMENT (9'-7"-9') | (1) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5mm), 1 3/4" | (8) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH |
| (B) EXISTING HMA PAVEMENT, ±12.5" | (2) PROPOSED HMA BASE COURSE/BASE COURSE WIDENING, 7 1/2" (HMA BINDER, IL-19.0) | (9) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2" |
| (C) EXISTING HMA BASE COURSE WIDENING | (3) PROPOSED POLYMERIZED HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" | (10) PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4" |
| (D) EXISTING HMA PAVEMENT | (4) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12" | (11) PROPOSED AGGREGATE BASE COURSE, TYPE B, 6" |
| (E) EXISTING AGGREGATE SHOULDER, 8" | (5) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24 | (12) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 |
| (F) EXISTING PCC SIDEWALK | (6) PROPOSED TOPSOIL, 4" & SEEDING, CLASS 2A | (13) PROPOSED AGGREGATE BASE COURSE, TYPE B, 4" |
| (G) EXISTING AGGREGATE BASE | (7) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | (14) PROPOSED AGGREGATE SHOULDERS, TYPE B |
| (H) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 | | |
| (I) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12 | | |

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-Sht-Typ Section US-6.dgn



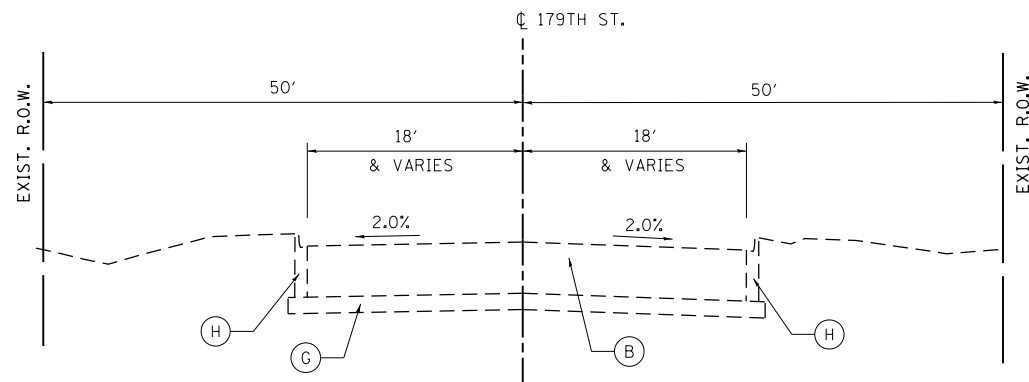
USER NAME = johnn	DESIGNED - AB	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 20.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS
US 6 (SOUTHWEST HWY.)**

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

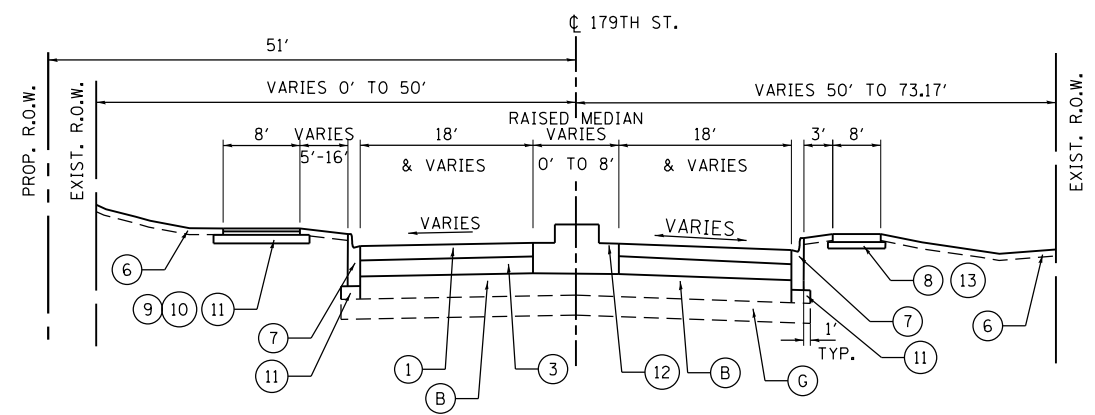
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	21
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION
179TH STREET**

STA. 200+44 TO STA. 205+66

NOTE:
THE STATIONING OF EXISTING 179TH ST
DOES NOT CORRELATE WITH THE
STATIONING OF RE-ALIGNED 179TH ST.

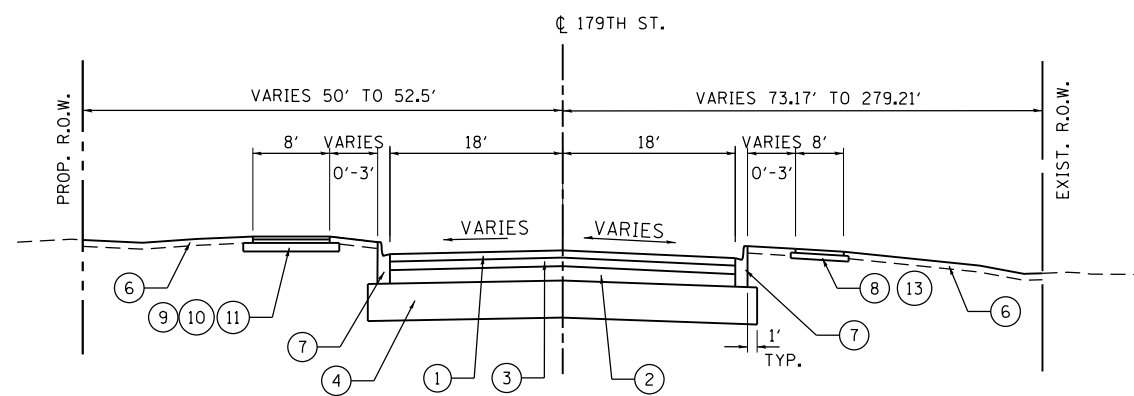


**PROPOSED TYPICAL SECTION
179TH STREET**

STA. 810+53.56 TO STA. 812+61.98

SUPERELEVATION:
FULL SUPERELEVATION: STA. 810+53.56 THRU STA. 811+15
TRANSITION: STA. 811+15 THRU STA. 812+38
SUPERELEVATION = 4%

NOTE:
RT STA. 810+25.75 TO RT STA. 811+45 USE
A VARIABLE DEPTH HMA BINDER COURSE
(IL-19.0), N70 OVER THE EXISTING
179TH STREET PAVEMENT TO REMAIN



**PROPOSED TYPICAL SECTION
179TH STREET**

STA. 807+32.41 TO STA. 810+53.56

SUPERELEVATION:
TRANSITION: STA. 809+18 THRU STA. 810+41
FULL SUPERELEVATION: STA. 810+41 THRU STA. 810+53.56
SUPERELEVATION = 4%

- (A) EXISTING CONCRETE PAVEMENT (9'-7"-9")
- (B) EXISTING HMA PAVEMENT, ±12.5"
- (C) EXISTING HMA BASE COURSE WIDENING
- (D) EXISTING HMA PAVEMENT, ±4.5"
- (E) EXISTING AGGREGATE SHOULDER, 8"
- (F) EXISTING PCC SIDEWALK
- (G) EXISTING AGGREGATE BASE
- (H) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (I) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12

LEGEND

- (1) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5mm), 1 3/4"
- (2) PROPOSED HMA BASE COURSE/BASE COURSE WIDENING, 7 1/2" (HMA BINDER, IL-19.0)
- (3) PROPOSED POLYMERIZED HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- (6) PROPOSED TOPSOIL, 4" & SEEDING, CLASS 2A
- (7) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (9) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"
- (10) PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
- (11) PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
- (12) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (13) PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- (14) PROPOSED AGGREGATE SHOULDER, TYPE B

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-ent-1.dwg Sect. 179b.dgn



USER NAME = johnn	DESIGNED - AB	REVISED -
DRAWN - JN	REVISIONS -	
PLOT SCALE = 20.0000' / in.	CHECKED - TGM	REVISIONS -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISIONS -

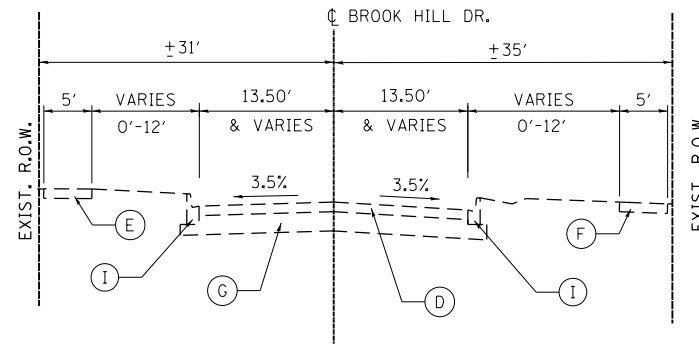
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS 179TH STREET			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	22
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

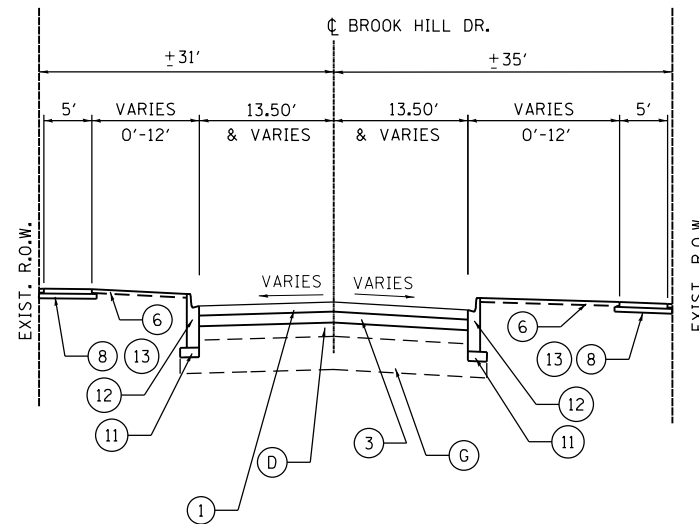
LEGEND

- (A) EXISTING CONCRETE PAVEMENT (9'-7"-9")
- (B) EXISTING HMA PAVEMENT, ±12.5"
- (C) EXISTING HMA BASE COURSE WIDENING
- (D) EXISTING HMA PAVEMENT, ±4.5"
- (E) EXISTING AGGREGATE SHOULDER, 8"
- (F) EXISTING PCC SIDEWALK
- (G) EXISTING AGGREGATE BASE
- (H) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (I) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- (1) PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5mm), 1 3/4"
- (2) PROPOSED HMA BASE COURSE/BASE COURSE WIDENING, 7 1/2" (HMA BINDER, IL-19.0)
- (3) PROPOSED POLYMERIZED HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (5) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24
- (6) PROPOSED TOPSOIL, 4" & SEEDING, CLASS 2A
- (7) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- (9) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"
- (10) PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
- (11) PROPOSED AGGREGATE BASE COURSE, TYPE B, 6"
- (12) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (13) PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- (14) PROPOSED AGGREGATE SHOULDER, TYPE B



**EXISTING TYPICAL SECTION
BROOK HILL DRIVE**

STA. 804+67.04 TO STA. 806+76.89



**PROPOSED TYPICAL SECTION
BROOK HILL DRIVE**

STA. 804+67.04 TO STA. 806+76.89

- NOTES:**
1. PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH STARTS AT STA. 806+15.80, 26.3' RT. STA. 806+02.10, 28.6' LT.
 2. STA. 806+40 TO STA. 806+83 USE A VARIABLE DEPTH HMA BINDER COURSE (IL-19.0), N70 OVER THE EXISTING BROOK HILL DRIVE PAVEMENT.

HMA MIXTURE REQUIREMENTS CHART

OPERATION	MIXTURE TYPE	AIR VOIDS (%) @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)	IC
PAVEMENT RESURFACING	POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm), 1 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" * HMA BINDER COURSE, IL-19.0, N70, VAR.	4% @ 70 GYR. 3.5% @ 50 GYR. 4% @ 70 GYR.	QC/OA QC/OA QC/OA	
PAVEMENT CONSTRUCTION / RECON	POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm), 1 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" HMA BASE COURSE, 7 1/2" (HMA BINDER, IL-19.0)	4% @ 70 GYR. 3.5% @ 50 GYR. 4% @ 70 GYR.	QC/OA QC/OA QCP	
PAVEMENT WIDENING	POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 (IL 9.5mm), 1 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" HMA BASE COURSE WIDENING, 7 1/2" (HMA BINDER, IL-19.0) **LEVELING BINDER (MACHINE METHOD), IL-9.5, N70, VAR.	4% @ 70 GYR. 3.5% @ 50 GYR. 4% @ 70 GYR. 4% @ 70 GYR.	QC/OA QC/OA QCP QC/OA	7 PASSES
CLASS D PATCHES	HMA BINDER, IL-19.0	4% @ 70 GYR.	QC/OA	
BIKE PATH	HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2" HMA BINDER COURSE, IL-19mm, N50 (IL 9.5mm), 2 1/4"	4% @ 50 GYR. 4% @ 50 GYR.	QC/OA QC/OA	
*** TEMPORARY PAVEMENT	HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 1 1/2" HMA BINDER COURSE, (IL-19mm), 8 1/2"	4% @ 50 GYR. 4% @ 50 GYR.	QC/OA QC/OA	
TEMPORARY SIDEWALK	HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"	4% @ 50 GYR.	QC/OA	
METRA DRIVEWAY	HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2" HMA BINDER COURSE, IL-19.0, N50, 4"	4% @ 50 GYR. 4% @ 50 GYR.	QC/OA QC/OA	

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QCP)

- AS NEEDED
- SEE US RTE. 6 MOT TYPICAL SECTIONS

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXTURES 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.
3. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
- *** 5. THE PC CONCRETE TEMPORARY PAVEMENT OPTION SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF SECTION 1020 OF THE STANDARD SPECIFICATIONS; THICKNESS SHALL BE 10" THICK. TEMPORARY PAVEMENT DOES NOT REQUIRE DOWEL BARS. ALL TEMPORARY PAVEMENT SHALL BE PROVIDED OVER AGGREGATE BASE COURSE, TYPE B, 4".
6. WHEN A NUMBER OF ROLLER PASSES IS SPECIFIED, THE CONTRACTOR MAY OPT TO USE INTELLIGENT COMPACTION (IC) IN LIEU OF DENSITY TESTING UNDER THE QUALITY CONTROL FOR PERFORMANCE (QCP) PROGRAM.

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUV\13003d - W0 4 Contract No. 60Y26\CAD\CADD Sheets\Civil\60Y26-ent-TopSect-Brookhill.dgn



USER NAME = johnn	DESIGNED - AB	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED TYPICAL SECTIONS BROOK HILL DRIVE		F.A.U. RTE. 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 23
SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 60Y26			
ILLINOIS FED. AID PROJECT						

HOT-MIX ASPHALT PAVEMENT SCHEDULE												
STATION	STATION	OFFSET (LT/RT)	HOT-MIX ASPHALT BASE COURSE, 7½" (SQ YD)	HOT-MIX ASPHALT BASE COURSE WIDENING, 7½" (SQ YD)	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (TON)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (TON)	LEVELING BINDER (MACHINE METHOD), N70 (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL-2½" (SQ YD)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (TON)	HOT-MIX ASPHALT SURFACE COURSE MIX "D", N50 (TON)
497+41	502+00	LT	494						5			
497+11	499+55	RT	293						5			
501+29	509+37	RT	2548						6			
503+68	509+37	LT	657									
495+50	497+82	LT		82.4								
495+50	497+11	RT		82.9								
502+70	502+62	LT		24.8								
509+37	510+50	LT		73.7								
509+37	510+50	RT		73.8								
806+35	806+68	RT		81.2								
806+17	806+68	LT		75.7								
495+50	510+50	LT/RT			358	835.2	147	5753	30	5294		
804+67.4	806+68	LT/RT			60.9	66.3	46	1008	14	1187		
807+35.6	810+61.5	LT/RT			32.9	142.1	146	979				
810+61.5	812+62	LT/RT			22.6	76.8		658	30	535		
METRA					28.4			363	17			
TEMPORARY WEDGE												
495+50	510+50						205	90				
BIKE PATH												
503+60	505+50	LT									12.2	10.8
807+54	812+84.7	LT									57.9	51.4
METRA											121	60.3
TOTAL			3993	495	503	1120.4	205	8940	91	7017	191	123

LANDSCAPING SCHEDULE												
STATION	STATION	OFFSET (LT/RT)	SEEDING, CLASS 2A (ACRE)	SEEDING, CLASS 4 (MODIFIED) (ACRE)	SEEDING, CLASS 4B (MODIFIED) (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	EROSION CONTROL BLANKET (SQ YD)	TEMPORARY EROSION CONTROL SEEDING (POUND)	MULCH METHOD 2 (ACRE)	COMPOST FURNISH AND PLACE, 2" (SQ YD)
492+90	495+45	LT	0.06			5.3	5.3	5.3	282	12	0.06	282
492+90	495+45	RT	0.06			5.3	5.3	5.3	282	12	0.06	282
495+45	502+84	LT	0.44			40.0	40.0	40.0	2151	89	0.44	2151
503+47	505+76	LT	0.06			5.2	5.2	5.2	278	11	0.06	278
503+80	510+55	LT	0.39			35.0	35.0	35.0	1882	78	0.39	1882
495+45	503+46	RT	0.92			83.2	83.2	83.2	4476	185	0.92	4476
503+91	510+55	RT	0.36			32.7	32.7	32.7	1761	73	0.36	1761
806+18	806+47	RT	0.01			1.2	1.2	1.2	71	3	0.01	71
806+02	806+56	LT	0.01			0.8	0.8	0.8	47	2	0.01	47
807+75	809+21	RT	0.01			0.7	0.7	0.7	39	2	0.01	39
807+63	812+74	LT	0.28			25.1	25.1	25.1	1348	56	0.28	1348
809+70	811+57	RT	0.27			24.3	24.3	24.3	1309	54	0.27	1309
510+55	513+10	LT	0.06			5.2	5.2	5.2	280	12	0.06	280
510+55	513+10	RT	0.06			5.3	5.3	5.3	283	12	0.06	283
79+76	83+52			0.3	0.2				926	38	0.3	926
502+12	502+45	LT		0.02	0.01				24	1	0.02	24
PROPOSED SWALE										37	0.2	900
UPSTREAM CULVERT FROM THE VILLAGE FOR WATER MAIN									450	2	0.01	52
ROUNDED TOTAL			3.0	0.5	0.25	270	270	270	15888	800	3.5	16391

TREE REMOVAL SCHEDULE			
STATION	OFFSET (LT/RT)	6-15 UNITS QUANTITY (UNITS)	QUANTITY (ACRES)
812+37	47' LT	11	
812+58	49' LT	10	
495+78	28' LT	10	
179TH ST.			0.75
TOTAL		31	0.75

BIKE PATH REMOVAL SCHEDULE			
STATION	STATION	OFFSET (LT/RT)	(SQ YD)
US 6			
502+88	503+00	85' LT	8.0
503+30	503+42	81' LT	8.7
503+47	505+48	54' LT	141.6
179TH			
807+24	812+48	LT	294.5
TOTAL			453

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USER NAME = johnn	DESIGNED - AB	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - AB	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES			
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RE. 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 24
CONTRACT NO. 60Y26				ILLINOIS FED. AID PROJECT

AGGREGATE BASE COURSE SCHEDULE				
STATION	STATION	OFFSET (LT/RT)	AGGREGATE BASE COURSE, TYPE B 4" (SQ YD)	AGGREGATE BASE COURSE, TYPE B 6" (SQ YD)
TEMPORARY PAVEMENT-STAGE I (US 6)				
493+00	500+66	LT	419	
503+71	513+00	LT	588	
TEMPORARY PAVEMENT-STAGE II (US 6)				
493+00	495+50	RT	153	
510+50	513+00	RT	153	
TEMPORARY SIDEWALK				
807+30	810+94		228	
PCC SIDEWALK				
890+50			107	
807+26	809+30		200	
809+70	811+93		221	
806+00	806+56		111	
806+17	806+61		45	
811+93	812+00		84	
BIKE PATH				
504+06	505+47	LT		96
807+52	812+62	LT		429
TOTAL			2309	526

CURB AND GUTTER SCHEDULE									
STATION	STATION	OFFSET (LT/RT)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24 (FOOT)	CLASS S1 CONCRETE (OUTLET) (CU YD)	
502+11								1.7	
508+43								2.0	
502+23	806+11	RT		139					
806+17	806+68	LT		74					
809+21		RT		183					
809+89		RT		159					
811+67	812+31	LT/RT		48					
807+45	812+62	LT			574				
807+24	812+62	RT			510				
810+95	812+10	LT/RT				200			
502+65	503+00	LT				58			
503+80	508+36	LT					456		
806+17	806+68	LT	86						
806+11	806+64	RT	60						
202+21	207+63	LT	542						
205+91	207+20	RT	549						
METRA		LT	20						
METRA		RT	17						
498+82	202+69	RT	800						
TOTAL			2075	603	1084	258	456	3.6	

GUARDRAIL AND TRAFFIC BARRIER TERMINAL SCHEDULE									
STATION	STATION	GUARDRAIL REMOVAL (FOOT)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (FOOT)	LONG SPAN GUARDRAIL OVER CULVERT (FT)	TERMINAL MARKER DIRECT APPLIED (EACH)	GUARDRAIL REFLECTORS, TYPE B (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 1B (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 2 (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL TANGENT (EACH)
500+45	501+95		150						
500+07	500+45				1	4			1
500+71	502+86	215							
501+18	503+37	262							
502+07	502+51		25	18.75		4			
502+74							1		
501+95								1	
502+07								1	
TOTAL		477	175	18.75	1	8	1	2	1

CONCRETE MEDIAN SCHEDULE				
STATION	STATION	CONCRETE MEDIAN SURFACE REMOVAL (SQ FT)	CONCRETE MEDIAN SM-4.12 (SQ FT)	CONCRETE MEDIAN SURFACE, 6 INCH
811+07	812+51			671
811+17	812+44	924		
811+00	811+07		21	
TOTAL		924	21	671

SUMMARY OF EARTHWORK SCHEDULE							
STATION	STATION	ROADWAY	EARTH EXCAVATION 20200100 (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT (CU YD)	FURNISHED EXCAVATION 20400800 (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE(-)
493+00	513+00	US 6 PRE-STAGE	378	322	84	0	238
493+00	513+00	US 6 STAGE I	957	813	563	0	250
806+50	812+00	179TH STAGE I	566	481	1059	90	-488
493+00	513+00	US 6 STAGE II	1044	888	279	0	609
493+00	513+00	US 6 STAGE III	17	15	9	0	6
80+00	83+60	SWALE STAGE III	1669	1419	119	0	1300
TOTAL			4635	3938	2113	90	1915

TOPSOIL EXCAVATION AND PLACEMENT SCHEDULE			
STATION	STATION	ROADWAY	TOPSOIL EXCAVATION (CU YD)
493+00	513+00	US 6 PRE-STAGE	152
493+00	513+00	US 6 STAGE I	352
493+00	513+00	US 6 STAGE II	241
806+50	812+00	179TH STAGE I	556
80+00	83+60	SWALE STAGE III	231
TOTAL			1535

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DRAWN - AB	REVISIONS -	
PLOT SCALE = 2.0000' / in.	CHECKED - JMT	REVISIONS -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	25
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

THERMOPLASTIC PAVEMENT MARKING - LINE 4"		
DOUBLE YELLOW LINES		
STATION	STATION	LENGTH (FT)
492+65	502+81	2992
503+91	513+35	2848
804+70	806+48	356
807+69	810+93	660
810+94	811+48	321
WHITE EDGE LINES		
STATION	STATION	LENGTH (FT)
492+65	502+49	984
492+65	503+00	1035
505+07	513+35	829
503+82	513+35	953
807+34	812+31	497
807+56	812+78	522
SUB TOTAL		11997
WINTER SHUT DOWN QUANTITY*		11997
TOTAL		23994

THERMOPLASTIC PAVEMENT MARKING - LINE 12"		
DIAGONAL LINES-MEDIAN		
STATION	STATION	LENGTH (FT)
497+20	501+45	39
505+28	509+51	39
DIAGONAL LINES-MEDIAN		
STATION	STATION	LENGTH (FT)
502+95	503+47	156
503+15	503+73	231
806+58	807+34	298
806+80	807+56	298
810+12		159
SUB TOTAL		1220
WINTER SHUT DOWN QUANTITY*		1220
TOTAL		2440

THERMOPLASTIC PAVEMENT MARKING - LINE 6"		
WHITE DOTTED LINE - 2' LINE AND 6' SPACE		
STATION	STATION	LENGTH (FT)
498+61	500+42	48
499+85	501+65	48
505+07	506+87	48
505+07	506+87	48
810+61	812+11	40
WHITE TURN LANE LINES		
STATION	STATION	LENGTH (FT)
500+42	502+82	240
501+65	502+81	116
503+90	505+07	117
503+92	505+07	115
807+74	810+61	288
BIKE PATH / CROSS WALK		
STATION	STATION	LENGTH (FT)
502+99	503+42	43
502+96	503+48	52
503+16	503+73	58
503+20	503+70	50
806+59	807+35	76
806+63	807+25	65
806+81	807+56	76
806+83	807+52	69
812+50		40
812+50		40
SUB TOTAL		1677
WINTER SHUT DOWN QUANTITY*		1677
TOTAL		3354

THERMOPLASTIC PAVEMENT MARKING - LINE 24"		
STOP BARS		
STATION		LENGTH (FT)
502+80	RT	37
503+90	LT	36
806+45	RT	18
807+69	LT	29
809+46	RT	15
811+96	RT	12
SUB TOTAL		147
WINTER SHUT DOWN QUANTITY*		147
TOTAL		294

THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS			
STATION	OFFSET	SYMBOL	AREA (SQ FT)
500+54	RT	ONLY	20.8
500+79	RT	ARROW	15.6
501+80	LT	ONLY	20.8
502+05	LT	ARROW	15.6
502+44	RT	ONLY	20.8
502+69	RT	ARROW	15.6
504+68	LT	ARROW	15.6
504+92	LT	ONLY	20.8
504+68	RT	ARROW	15.6
504+92	RT	ONLY	20.8
807+83	CENTER	ARROW	15.6
808+09	CENTER	ONLY	20.8
810+23	CENTER	ARROW	15.6
810+50	CENTER	ONLY	20.8
810+12	RT	RAILROAD	61.2
SUB TOTAL			316
WINTER SHUT DOWN QUANTITY*			316
TOTAL			632

PROTECTIVE COAT			
NEW SIDEWALK			
STATION	STATION	AREA (SQ YD)	
890+50		76	
807+26	809+30	178	
809+70	811+93	197	
806+00	806+56	88	
806+17	806+61	37	
811+93	812+00	77	
FOR CURB AND GUTTER			
STATION	STATION	AREA (SQ YD)	
502+23	806+11	31	
806+17	806+68	16	
809+21		41	
809+89	108+59	35	
811+67	812+31	11	
807+45	812+62	191	
807+24	812+62	170	
810+95	812+10	37	
502+65	503+00	11	
503+80	508+36	135	
CURB OUTLETS			26
FOR MEDIANS			
STATION	STATION	AREA (SQ YD)	
811+00	811+07	2	
811+07	812+51	75	
TOTAL		1436	

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL SCHEDULE			
STATION	STATION	SYMBOL	EACH
492+65	502+61	TWO WAY AMBER	14
503+64	513+35	ONE WAY AMBER	14
TOTAL			28

PAVEMENT REMOVAL SCHEDULE				
STATION	STATION	OFFSET (LT/RT)	PAVEMENT REMOVAL (SQ YD)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)
200+50	203+65		1505	
204+03	205+62		641	
501+92	502+50	CULVERT XING	273	
495+50	510+50	LT	212	
495+50	510+50	RT	173	
499+27	499+55	RT	6	
WATERMAIN PLANS			183	
TEMPORARY PAVEMENT - STAGE I				
493+00	500+66	LT	419.0	
503+71	513+00	LT	588.3	
TEMPORARY PAVEMENT - STAGE II				
493+00	495+50	RT	152.8	
510+50	513+00	RT	152.8	
DRIVEWAY PAVEMENT REMOVAL				
809+61	810+01	LT		108
203+06	203+48	RT		61
203+80	203+96	RT		4
TOTAL			4307	174

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE			
STATION	STATION	SYMBOL	EACH
492+65	497+97	TWO WAY AMBER	28
497+97	500+77	ONE WAY AMBER	16
500+77	502+81	TWO WAY AMBER	12
501+65	502+81	ONE WAY AMBER	4
500+41	502+81	ONE WAY CRYSTAL	7
503+91	505+07	ONE WAY CRYSTAL	4
503+91	505+07	ONE WAY CRYSTAL	4
503+91	505+82	TWO WAY AMBER	12
505+82	508+82	ONE WAY AMBER	18
508+82	513+35	TWO WAY AMBER	24
804+67	806+52	TWO WAY AMBER	12
807+77	810+63	ONE WAY CRYSTAL	8
807+77	810+96	TWO WAY AMBER	18
TOTAL			167

TEMPORARY EROSION CONTROL BLANKET			
LOCATION	STATION	OFFSET (LT/RT)	TEMPORARY EROSION CONTROL BLANKET (SQ YD)
D/S END OF 18" CULVERT	502+46	35' LT	11.1
U/S END OF 18" CULVERT	501+44	65' LT	44.4
U/S END OF 36" CULVERT	509+00	32' LT	11.1
D/S END OF 36" EQV. CULVERT	502+43	42' LT	11.1
48" EQUIVALENT FLARED END SECTION	809+01	108' RT	11.1
18" EQUIVALENT FLARED END SECTION	504+14	41' RT	11.1
24" EQUIVALENT FLARED END SECTION	811+75	37' LT	11.1
	811+78	37' LT	11.1
	510+09	43' LT	11.1
TOTAL			134

CLASS D PATCHES SCHEDULE				
STATION	STATION	CLASS D PATCHES, TYPE IV, 9 INCH (SQ YD)	CLASS D PATCHES, TYPE III, 9 INCH (SQ YD)	CLASS D PATCHES, TYPE II, 9 INCH (SQ YD)
501+92	502+50	195		
806+62	806+72		49.2	
811+24	812+10		18.9	
204+85	204+93		42.6	
811+60				8
MEDIAN				5.2
METRA ENTRANCE				11.2
METRA ENTRANCE				3.9
TOTAL		195	111	29

* WINTER SHUTDOWN QUANTITY TO BE USED AT THE DISCRETION OF THE ENGINEER.

FILE NAME = Q:\Engineering\Live\Projects\13003 IDOT DUR\13003d - W0 4 Contract No. 60Y26\CADD\CADD Sheets\C.v1\ND160\26-int-SchedQuant.dgn



USER NAME = johnn
 DRAWN - AB
 CHECKED - JMT
 DATE - 08-29-2018
 PLOT SCALE = 2.0000' / in.
 PLOT DATE = 2/2/2018

DESIGNED - AB
 DRAWN - AB
 CHECKED - JMT
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 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES
 US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RT. SECTION COUNTY TOTAL SHEETS SHEET NO.
 0297 3178G-N(14) COOK 151 26
 CONTRACT NO. 60Y26
 ILLINOIS FED. AID PROJECT

TEMPORARY FENCE SCHEDULE			
STATION	STATION	OFFSET (LT/RT)	TEMPORARY FENCE (FOOT)
495+50	499+00	LT	350
503+50	505+72	LT	351
807+30	811+00	LT	370
TOTAL			1071

PERIMETER EROSION BARRIER SCHEDULE			
STATION	STATION	OFFSET (LT/RT)	PERIMETER EROSION BARRIER (FOOT)
499+00	502+15	LT	315
492+90	499+90	RT	700
499+90	500+25	RT	41
500+25	203+24	RT	306
501+65	808+97	LT	350
501+50	502+87	RT	125
809+70	811+74	RT	276
807+38	809+28	RT	195
804+73	806+10	RT	142
804+63	806+27	LT	149
807+70	812+79	RT	518
504+00	510+55	RT	663
505+48	508+50	LT	315
FROM THE VILLAGE FOR WATER MAIN			310
TOTAL			4405

TEMPORARY DITCH CHECKS SCHEDULE		
STATION	OFFSET (LT/RT)	TEMPORARY DITCH CHECKS (FOOT)
493+36	27' LT	15
494+38	27' LT	15
495+38	27' LT	15
496+38	30' LT	15
497+38	31' LT	15
498+38	33' LT	15
499+38	33' LT	15
500+38	33' LT	15
502+98	35' RT	15
501+38	33' LT	15
504+00	34' RT	15
505+00	32' RT	15
506+00	32' RT	15
507+00	32' RT	15
508+00	32' RT	15
504+85	32' LT	15
506+00	28' LT	15
202+00	37' LT	16
203+00	36' LT	16
204+00	36' LT	16
205+26	38' LT	16
206+26	38' LT	16
500+13	52' RT	15
501+05	85' RT	15
80+50	SWALE	16
81+50	SWALE	16
82+50	SWALE	16
TOTAL		413

INLET FILTERS SCHEDULE		
STATION	OFFSET (LT/RT)	INLET FILTERS (FOOT)
201+50	20' RT	1
202+93	19' RT	1
202+93	19' LT	1
300+00	19' RT	1
300+00	19' LT	1
205+97	19' RT	1
206+01	19' LT	1
811+70	19' RT	1
811+70	19' LT	1
812+26	19' RT	1
812+25	19' LT	1
FROM THE VILLAGE FOR WATERMAIN		6
TOTAL		17

AGGREGATE DITCH CHECKS SCHEDULE		
STATION	OFFSET (LT/RT)	AGGREGATE DITCH CHECKS (TON)
204+36	38' LT	9.3
206+58	38' LT	9.3
80+00		6.2
AROUND EX. STR.		37.3
TOTAL		63

TEMPORARY PAVEMENT SCHEDULE			
STATION	STATION	OFFSET (LT/RT)	TEMPORARY PAVEMENT (SQ YD)
TEMP. PAVEMENT - STAGE I			
493+00	500+66	LT	419
503+71.1	513+00	LT	588.3
TEMP. PAVEMENT - STAGE II			
493+00	495+50	RT	153
510+50	513+00	RT	153
TOTAL			1313

DETECTABLE WARNINGS SCHEDULE		
QUADRANT	OFFSET (LT/RT)	DETECTABLE WARNING SIZE (SQ FT)
NW	LT	12
NE	LT	16
SW	RT	19
SE	RT	17
NW	RT	12
NE	LT	15
SW	RT	18
SE	LT	18
LT METRA ENTRANCE		21
RT METRA ENTRANCE		21
CROSSWALK W. OF RR		80
TOTAL		249

AGGREGATE SUBGRADE IMPROVEMENT SCHEDULE				
STATION	STATION	OFFSET (LT/RT)	AGGREGATE SUBGRADE IMPROVEMENT, 12" (SQ YD)	AGGREGATE SUBGRADE IMPROVEMENT (CU YD)
495+50	501+92	LT	676.4	225
495+50	499+55	RT	468.6	156
501+29	502+80	RT	298.9	100
501+92	502+62	LT	33.8	11
501+92	502+50	RT, LT	273.0	91
806+38	906+87	RT	33.9	11
806+17	806+87	LT	91.4	30
105+10		RT, LT	49.2	16
503+69	510+50	LT	938.6	313
504+31	510+50	RT	682.8	228
807+17	810+60	RT, LT	2023.7	675
811+57		RT	7.9	3
810+26	812+62	RT	89.2	30
811+56	812+62	LT	53.6	18
METRA DRIVEWAY			638.8	213
TOTAL			6360	2120

AGGREGATE SHOULDERS, TYPE B SCHEDULE		
STATION	CU YD	TON
493+00		
493+50	12.6	22.8
	12.0	21.7
494+00	11.9	21.5
494+50	12.8	23.0
495+00	13.6	24.5
495+50		
510+50	14.4	25.9
511+00	14.0	25.2
511+50	13.7	24.7
512+00	13.3	24.0
512+50	12.8	23.0
513+00		
TOTAL		236

TEMPORARY SIDEWALK SCHEDULE		
STATION	STATION	TEMPORARY SIDEWALK (SQ FT)
807+30	810+93.4	2050
TOTAL		2050

SIDEWALK SCHEDULE				
STATION	STATION	OFFSET (LT/RT)	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SQ FT)	SIDEWALK REMOVAL (SQ FT)
890+50		METRA ENTRANCE	686	
807+26	809+30	RT	1599	
809+70	811+93	RT	1776	
806+00	806+56	LT	794	
806+17	806+61	RT	335	324
811+93	812+00	LT	696	354
TOTAL			5886	678

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - W0 4 Contract No. 60Y26\CADD\CADD Sheets\C:\1\1060\26-ant-SchedQuant.dgn



USER NAME = johnn	DESIGNED - AB	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - AB	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	27
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

SHORT TERM PAVEMENT MARKING			
DOUBLE YELLOW LINES			
STATION	STATION	O/S	LENGTH (FT)
492+65	502+81		296
503+91	513+35		296
804+70	806+48		72
807+69	810+93		96
810+94	811+48		72
WHITE TURN LANE LINES			
STATION	STATION		LENGTH (FT)
500+42	502+82	RT	28
501+65	502+81	RT	16
503+90	505+07	LT	16
503+92	505+07	LT	16
807+74	810+61	RT	16
WHITE SOLID LINES (STOP BARS) 24"			
STATION	STATION		LENGTH (FT)
502+80		RT	108
503+90		LT	111
806+45		RT	81
807+69		LT	87
811+96		RT	36
LETTERS AND SYMBOLS			
STATION			LENGTH (FT)
500+54	ONLY	RT	64
500+79	ARROW	RT	46
501+80	ONLY	LT	64
502+05	ARROW	LT	46
502+44	ONLY	RT	64
502+69	ARROW	RT	46
504+68	ARROW	LT	46
504+92	ONLY	LT	64
504+68	ARROW	RT	46
504+92	ONLY	RT	64
807+83	ARROW	CL	46
808+09	ONLY	CL	64
810+23	ARROW	CL	46
810+50	ONLY	CL	64
810+12	RAILROAD	RT	51
X 4 APPLICATIONS			
TOTAL			8672

NOTE: REMOVAL OF SHORT TERM PAVEMENT MARKING IS PAID AS SHORT TERM PAVEMENT MARKING REMOVAL QUANTITY = 723 SQ FT

PAVEMENT MARKING TAPE, TYPE IV - LINE 4"			
US 6 - STAGE I			
DOUBLE YELLOW LINES			
STATION	STATION		LENGTH (FT)
492+65	495+35		540
495+35	499+55		840
501+29	502+64		269
503+89	510+65		1353
510+65	513+35		540
WHITE EDGE LINES			
STATION	STATION		LENGTH (FT)
492+65	495+35		540
495+35	502+64		729
495+35	499+55		420
501+29	510+65		936
510+65	513+35		540
503+89	510+65		677
US 6 - STAGE II			
DOUBLE YELLOW LINES			
STATION	STATION		LENGTH (FT)
492+65	499+99		1467
501+71	502+70		198
503+77	513+35		1916
WHITE EDGE LINES			
STATION	STATION		LENGTH (FT)
492+65	502+70		1005
492+65	499+99		734
501+71	502+70		99
503+77	513+35		1916
179TH ST. STAGE IA			
STATION	STATION		LENGTH (FT)
808+76	811+40		300
809+38	810+95		195
DOUBLE YELLOW LINES			
808+02	811+60		722
179TH ST. STAGE II			
STATION	STATION		LENGTH (FT)
807+50	812+50		1000
WHITE EDGE LINES			
STATION	STATION		LENGTH (FT)
807+50	812+50		1000
DOUBLE YELLOW LINES			
807+50	812+50		1000
X 2 FACTOR			
TOTAL			33,931

NOTE: REMOVAL OF PAVEMENT MARKING TAPE IS PAID AS TEMPORARY PAVEMENT MARKING REMOVAL QUANTITY = 5987 SQ FT

PAVEMENT MARKING TAPE, TYPE IV - LINE 6"		
CROSSWALK		
STATION	STATION	LENGTH (FT)
503+52	503+58	111
TOTAL		111

PAVEMENT MARKING TAPE, TYPE IV - LINE 24"		
STOP BAR		
LOCATION	TOTAL LENGTH (FT)	
US 6 AND 179TH ST.	34	
TOTAL		34

PAVEMENT MARKING TAPE, TYPE IV - LINE 12"		
DIAGONAL LINES EX. 179TH ST.		
LENGTH	NO'S	TOTAL LENGTH (FT)
22	5	110
TOTAL		110

PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS			
179TH			
STATION			LENGTH (FT)
810+11	RAILROAD	RT	61.2
810+22.4	ONLY	CENTER	21.1
810+48	ARROW	CENTER	15.2
TOTAL			98

TEMPORARY CONCRETE BARRIER SCHEDULE				
STATION	TEMPORARY CONCRETE BARRIER (FOOT)	RELOCATE TEMPORARY CONCRETE BARRIER (FOOT)	BARRIER WALL REFLECTORS, TYPE C (EACH)	PINNING TEMPORARY CONCRETE BARRIER (EACH)
STAGE I (US 6)	125.0		12	24
STAGE II (US 6)	87.5	125.0	10	45
TOTAL		212.5	22	69

NOTE: ALL TEMPORARY CONCRETE BARRIER IS TO BE CONTINUOUSLY PINNED.

PAVEMENT MARKING REMOVAL-WATER BLASTING					
US 6 STAGE I - LINE 4"					
STATION	STATION	O/S	LENGTH (FT)	UNIT (SQ YD)	
492+65	502+61.5	13' LT	997	332	
492+65	495+35	ON CL	78	26	
503+64.8	513+35	13' LT	970	323	
510+65	513+35	ON CL	78	26	
US 6 STAGE II - LINE 4"					
493+55	496+86	ON CL	93	31	
493+55	495+50	12 RT	195	65	
510.50	512+25	12' RT	175	58	
US 6 STAGE II - DOUBLE YELLOW					
202+24	203+17	CL	332	332	
179TH STAGE II - LINE 4"					
200+00	201+80	232' RT	690	2760	
179TH STAGE II - LINE 6"					
200+00	201+15	216' RT	115	690	
179TH STAGE II - LINE 8"					
500+20	500+65.50		130	1040	
179TH STAGE II - LINE 12"					
500+20	500+65.50		72	864	
179TH STAGE II - LINE 24"					
200+00	200+00		40	960	
179TH STAGE II - LETTERS AND SYMBOLS					
201+84	2	ARROW	15.2	30.4	
202+11	2	ONLY	21.1	42.2	
TOTAL				7581	

TEMPORARY IMPACT ATTENUATORS SCHEDULE			
LOCATION STATION TO STATION	OFFSET (LT/RT)	TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH)	RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH)
501+41	2' RT	1	
502+52	2' RT	1	
501+70	7' RT	1	
501+61	7' RT	1	
502+25	33' RT		1
502+41	33' RT		1
TOTAL		4	2

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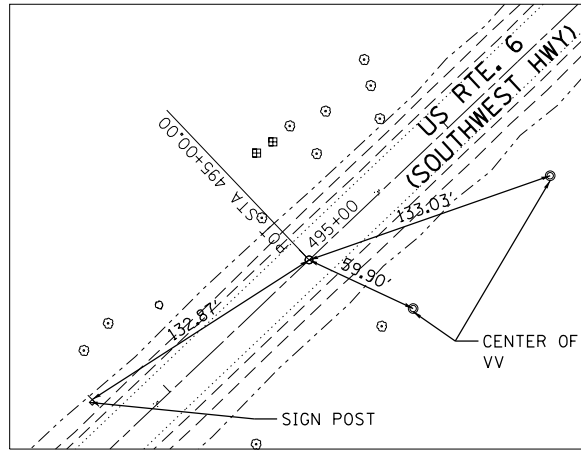
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PLOT SCALE = 2.0000' / in.	DRAWN - AB	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	28
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

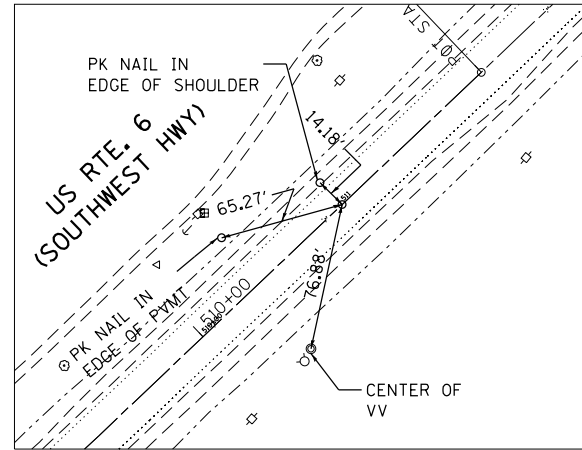
SCALE: SHEET OF SHEETS STA. TO STA.



P.O.T., CP #10

PK NAIL

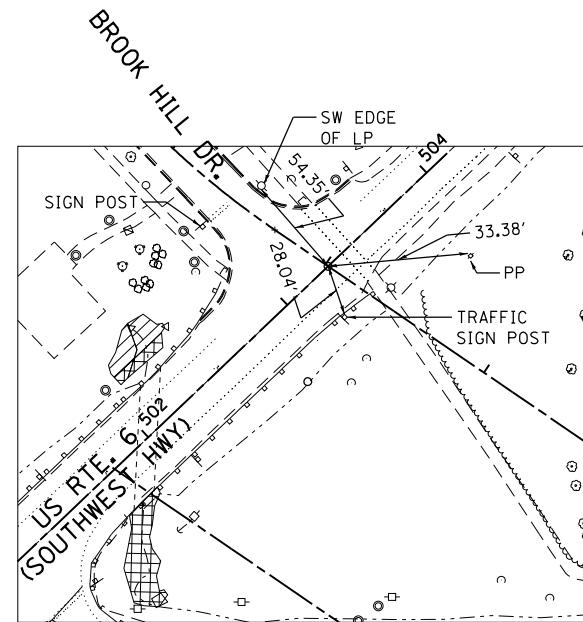
STA 495+00
N 1783696.949
E 1101214.115
EL 677.56



P.O.T., CP #11

PK NAIL

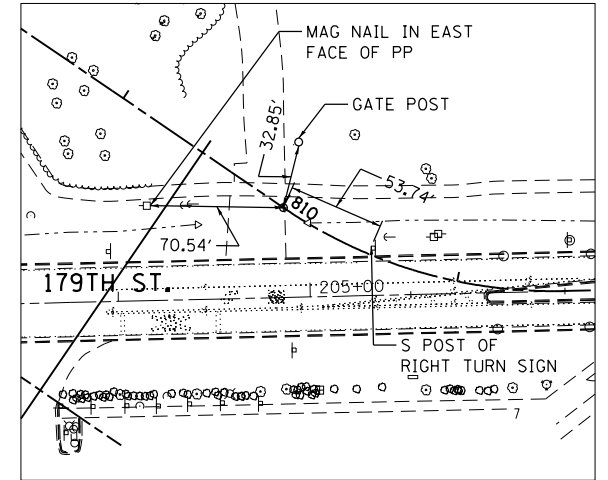
STA 511+00
N 1784799.007
E 1102374.058
EL 682.00



ALIGNMENT TIE

☐ US 6 = ☐ BROOK HILL DR / 179TH ST.
MAG NAIL

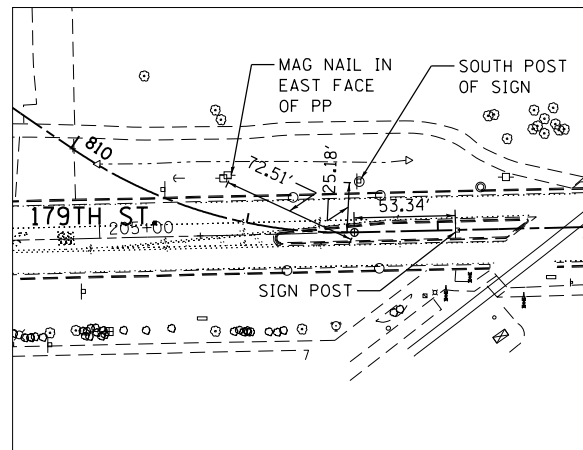
☐ US 6 STA 503+29.25 =
☐ BROOK HILL DR. / 179TH ST. STA 807+01.73
N 17842681.128
E 1101815.298
EL 679.83



P.C. CURVE 179-3

MAG NAIL

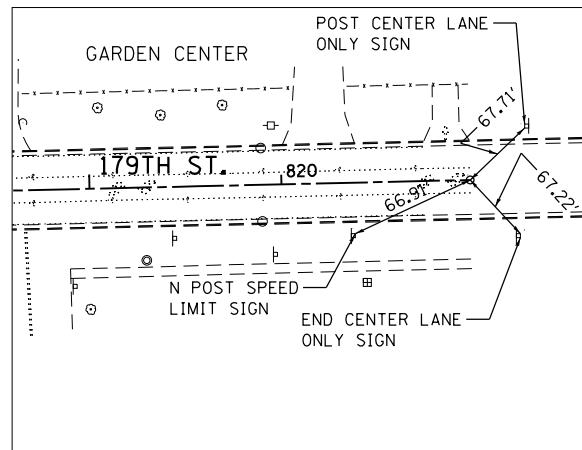
STA 810+00.98
N 1784099.426
E 1102062.467
EL 675.52



P.T. CURVE 179-3

CUT CROSS

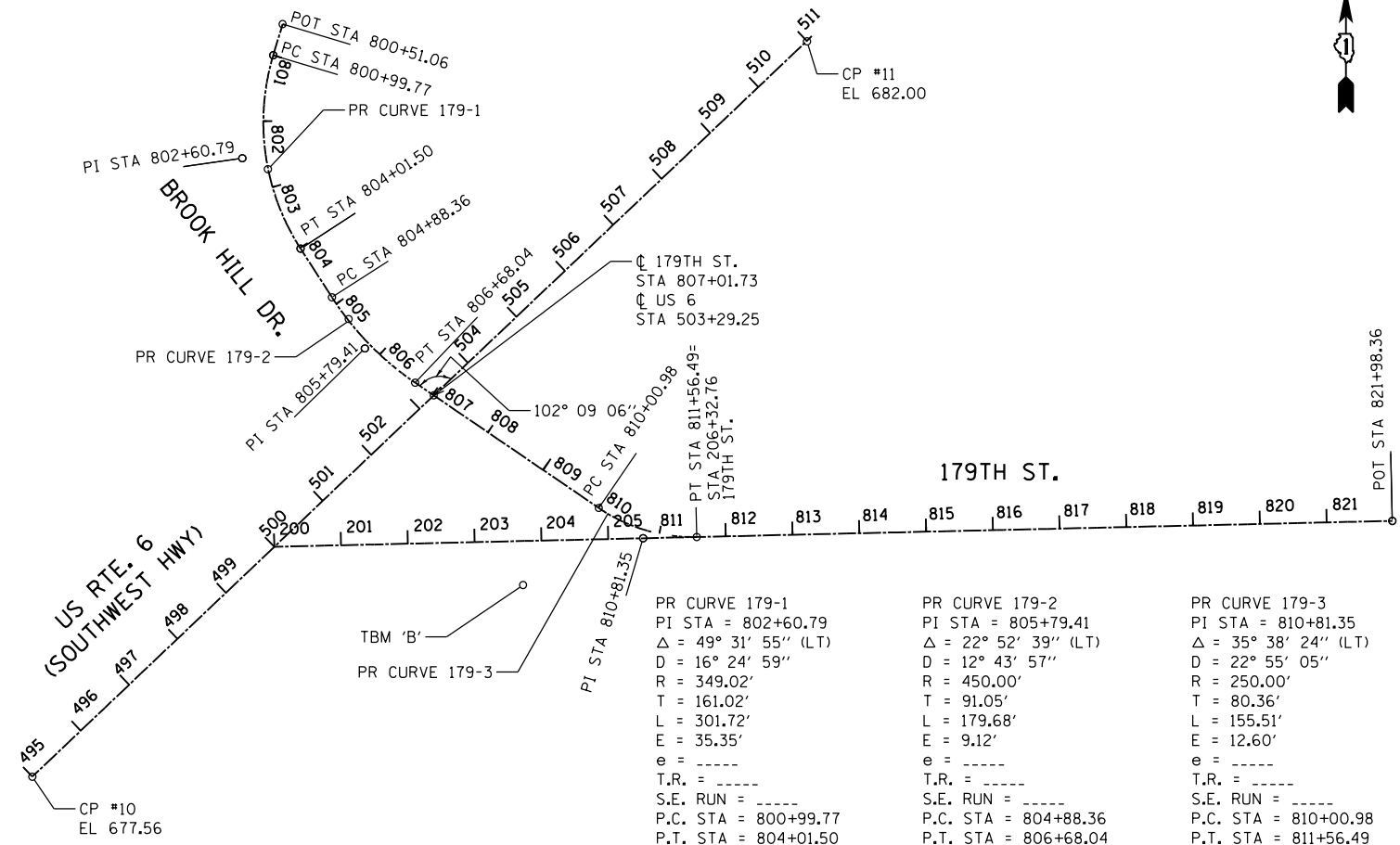
STA 811+56.49
N 1784055.983
E 1102209.185
EL 675.88



P.O.T.

MAG NAIL

STA 821+98.36
N 1784080.094
E 1103250.771
EL 682.86



PR CURVE 179-1
PI STA = 802+60.79
Δ = 49° 31' 55" (LT)
D = 16° 24' 59"
R = 349.02'
T = 161.02'
L = 301.72'
E = 35.35'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA = 800+99.77
P.T. STA = 804+01.50

PR CURVE 179-2
PI STA = 805+79.41
Δ = 22° 52' 39" (LT)
D = 12° 43' 57"
R = 450.00'
T = 91.05'
L = 179.68'
E = 9.12'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA = 804+88.36
P.T. STA = 806+68.04

PR CURVE 179-3
PI STA = 810+81.35
Δ = 35° 38' 24" (LT)
D = 22° 55' 05"
R = 250.00'
T = 80.36'
L = 155.51'
E = 12.60'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA = 810+00.98
P.T. STA = 811+56.49

BENCHMARKS

BM #AE2563:
STAINLESS STEEL ROD IN SLEEVE WITH CAST CAP AND LID,
GPS MONUMENT NO. 536, 0.1 MILE WEST OF THE COOK COUNTY
LINE ON US RTE. 6, STA 477+61, 32' LT.
EL 668.23
TBM "B":
CUT SQUARE ON TOP OF LIGHTPOLE FOUNDATION
AT ENTRANCE TO METRA PARKING LOT LOCATED ON 179TH ST.
EL 676.74

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W0 4 Contract No. 60Y26\CA00\CADD Sheets\Civil\160Y26-ent-AllTies.dgn



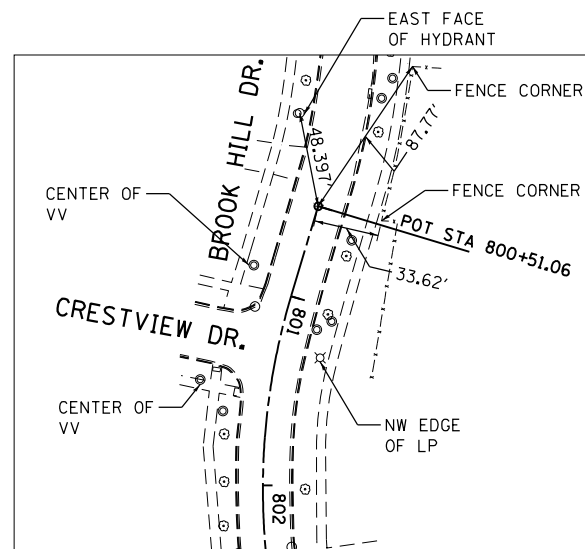
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PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

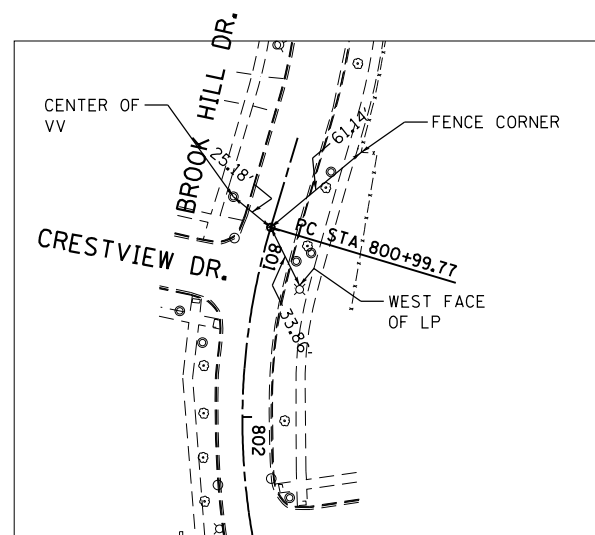
ALIGNMENTS, TIES AND BENCHMARKS
US 6 (SOUTHWEST HWY.) AND 179TH ST./ BROOK HILL DR.

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

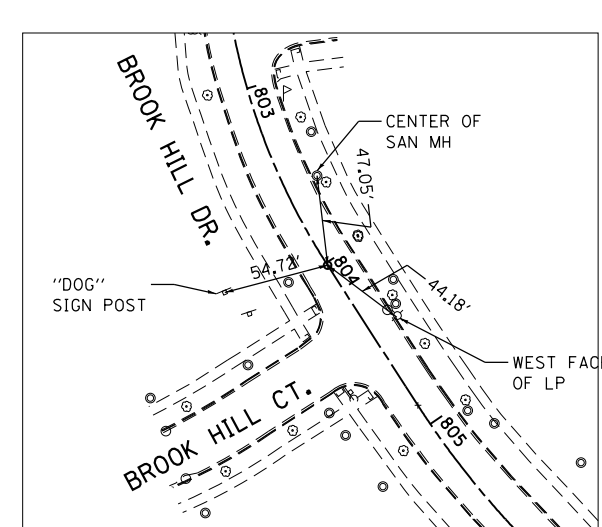
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0297	31780-N(14)	COOK	151	29
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



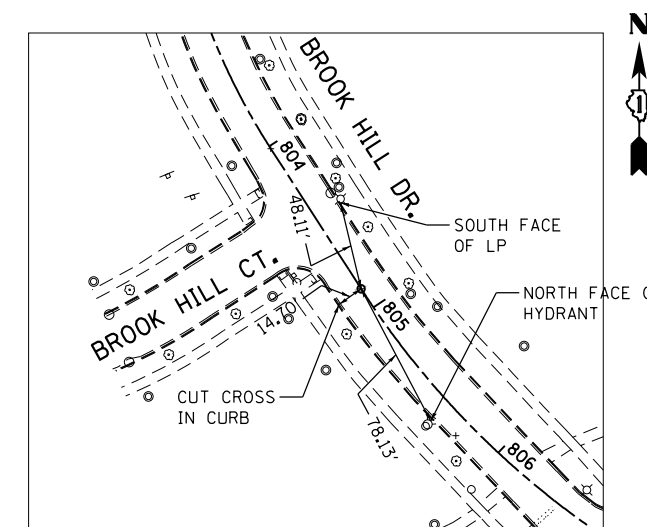
P.O.T.
 BEGIN @
 BROOK HILL DR (179TH ST)
 MAG NAIL
 STA 800+51.06
 N 1784824.163
 E 1101588.976
 EL 690.14



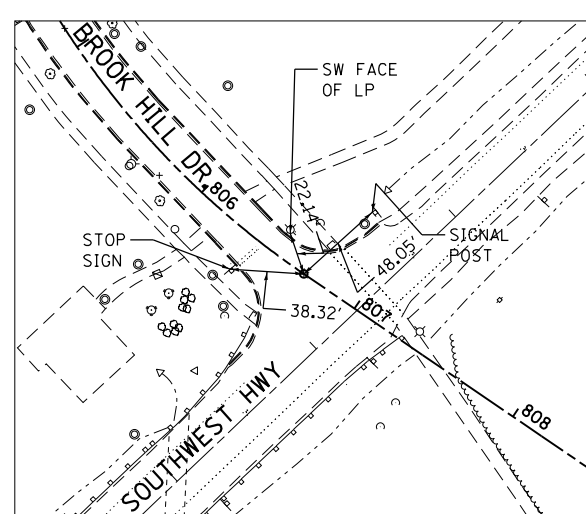
P.C. CURVE 179-1
 MAG NAIL
 STA 800+99.77
 N 1784777.521
 E 1101574.955
 EL 688.94



P.T. CURVE 179-1
 MAG NAIL
 STA 804+01.50
 N 1784487.980
 E 1101615.865
 EL 685.49



P.C. CURVE 179-2
 MAG NAIL
 STA 804+88.36
 N 1784414.974
 E 1101662.929
 EL 685.66



P.T. CURVE 179-2
 MAG NAIL
 STA 806+68.04
 N 1784287.116
 E 1101787.470
 EL 679.54

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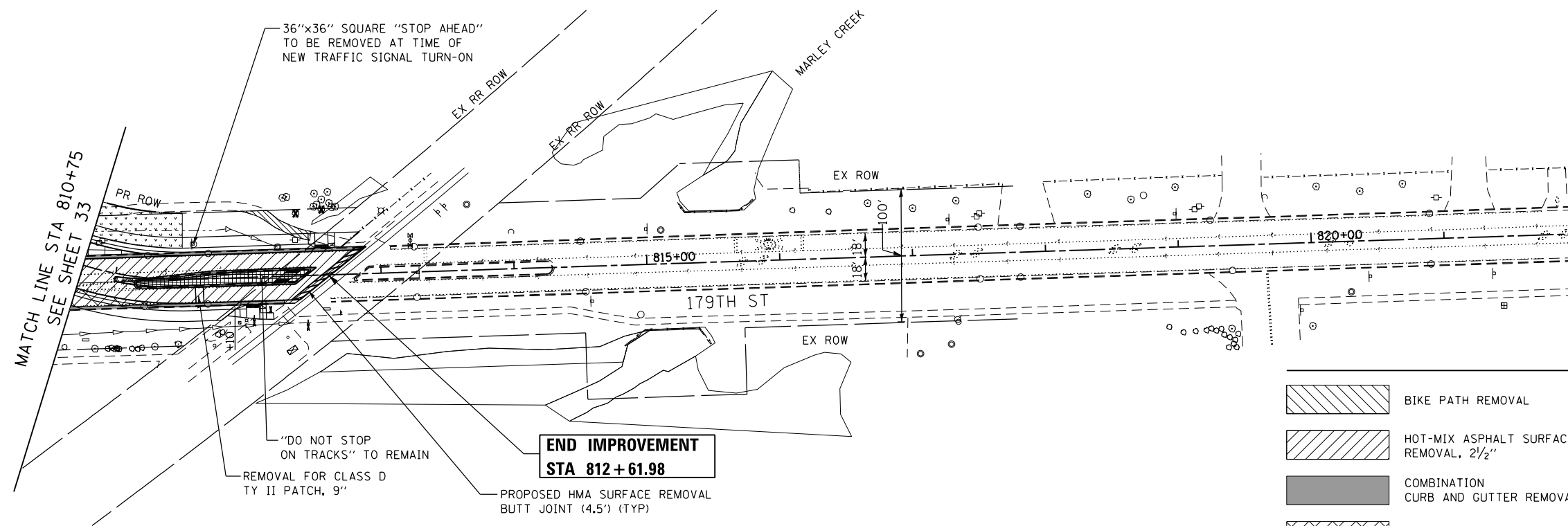
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PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS, TIES AND BENCHMARKS
US 6 (SOUTHWEST HWY.) AND 179TH ST./ BROOK HILL DR.
 SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	30
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

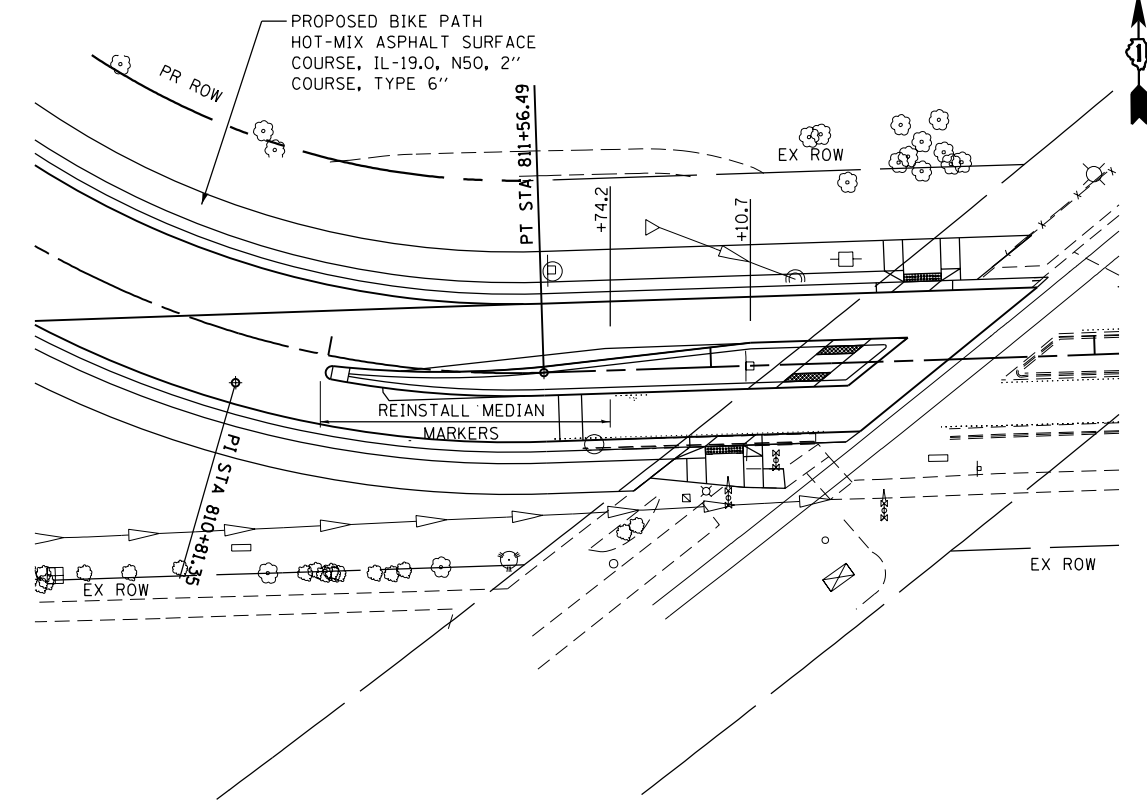
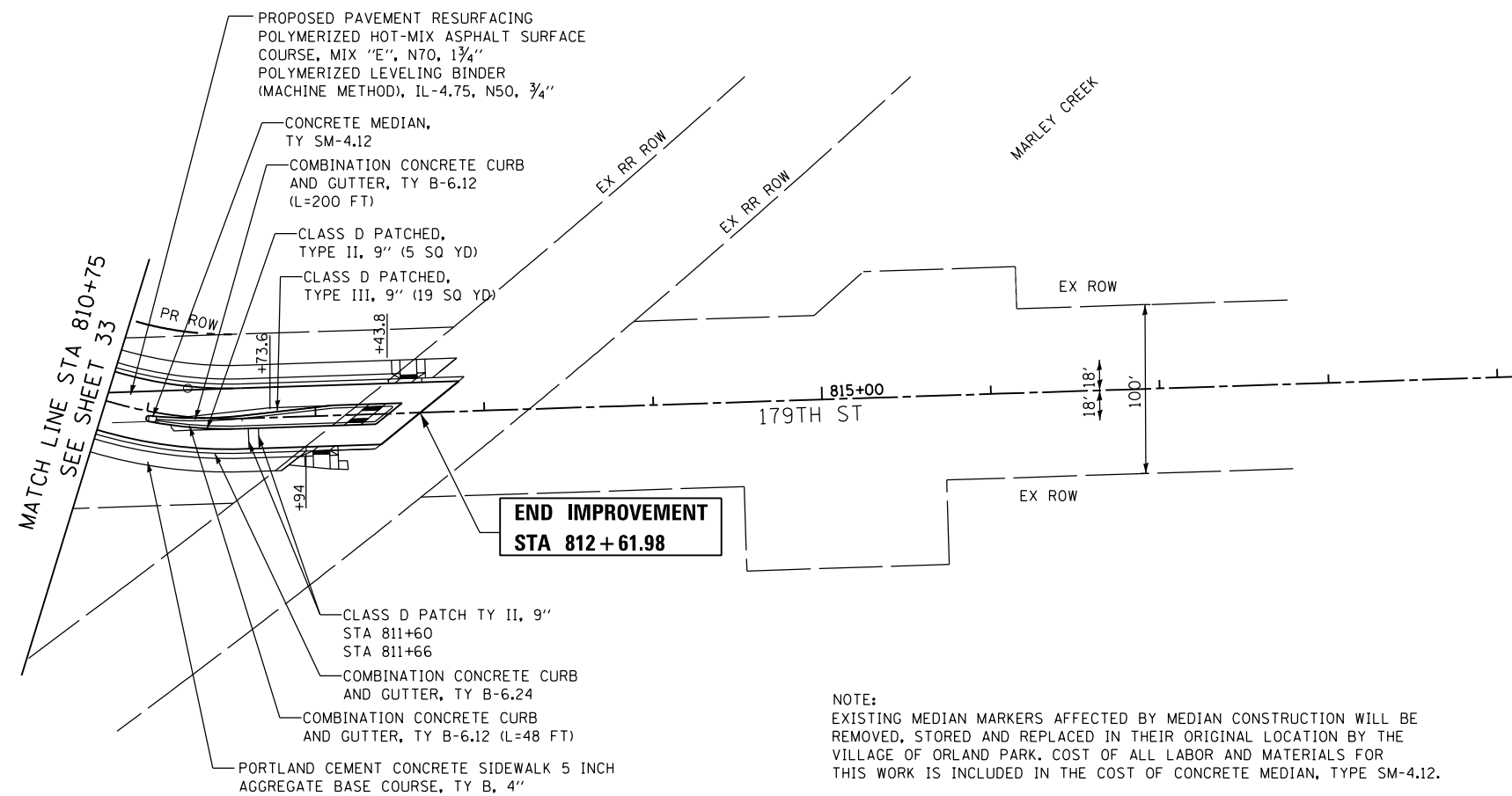
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	NO. _____		
	NOTE BOOK		
	NO. _____		
	CADD FILE NAME		



LEGEND

	BIKE PATH REMOVAL		DRIVEWAY PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"		SIDEWALK REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL		CONCRETE MEDIAN SURFACE REMOVAL
	PAVEMENT REMOVAL		GUARDRAIL REMOVAL
	TREE REMOVAL, ACRES		

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



MEDIAN DETAILS



USER NAME = johnn	DESIGNED - PP	REVISED -
PLOT SCALE = 100.0000' / 1"	DRAWN - CC	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED PLAN
179TH ST./BROOK HILL DR.**

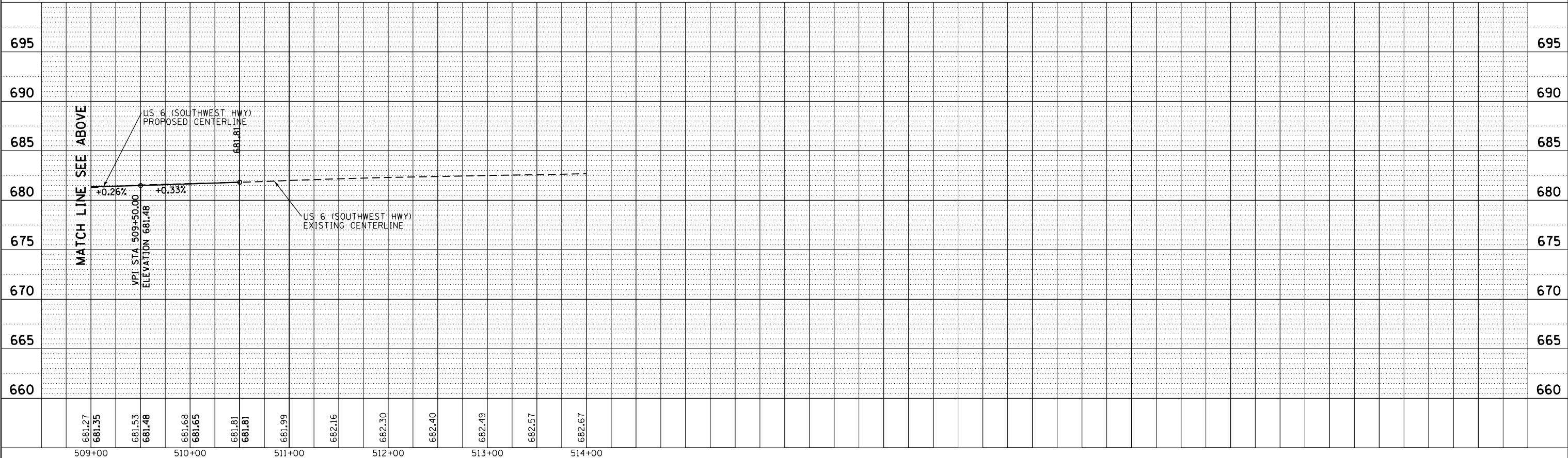
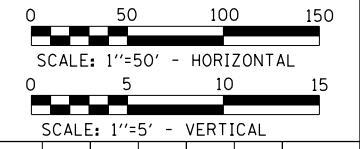
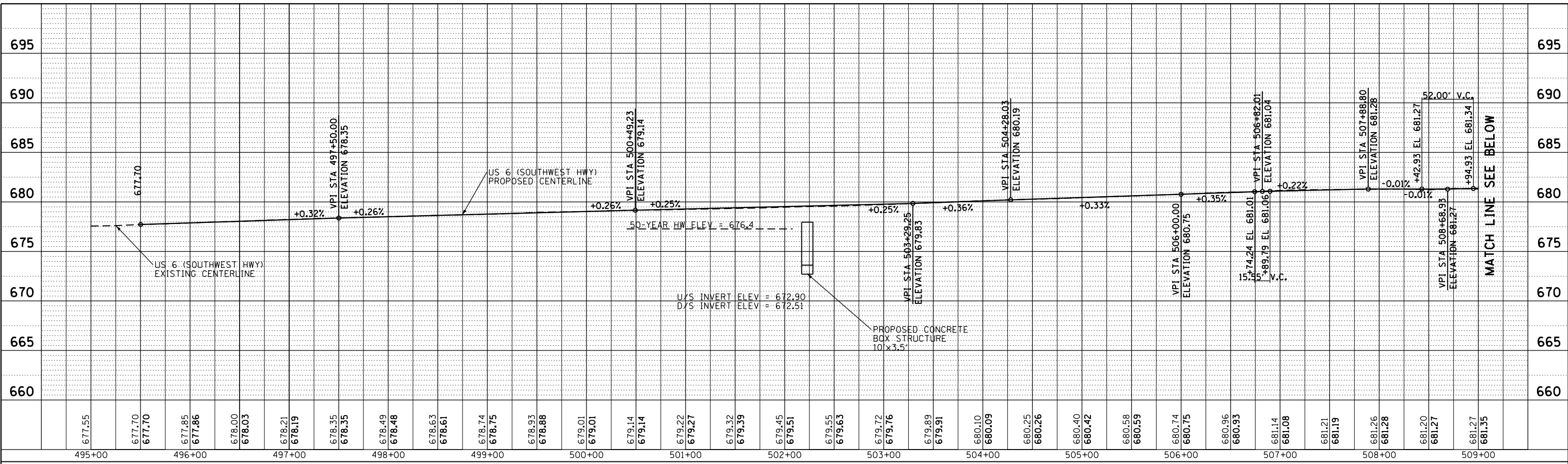
SCALE: 1" = 50' SHEET OF SHEETS STA. 810+75 TO STA. 815+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	34
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = G:\Engineering\Live\Projects\13003 IDOT DURY\30033 - WD 4 Contract No. 60Y26\CADD\CADD Sheets\G:\1\1\0160Y26-int-179TH plan 2.dgn

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE	NOTATMS C/PKID

FILE NAME = G:\Engineering\I-55\Projects\13003\DOT DURV\3003d - MO 4 Contract No. 60Y26\CADD\CADD Sheets\G:\1\1\060726-shr-US6-Profile.dgn



681.27 681.35	509+00	681.53 681.48	510+00	681.68 681.65	511+00	682.16	512+00	682.30	513+00	682.49	514+00	682.57		682.67	
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USER NAME = johnn	DESIGNED - AB	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - CC	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

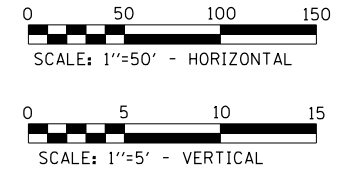
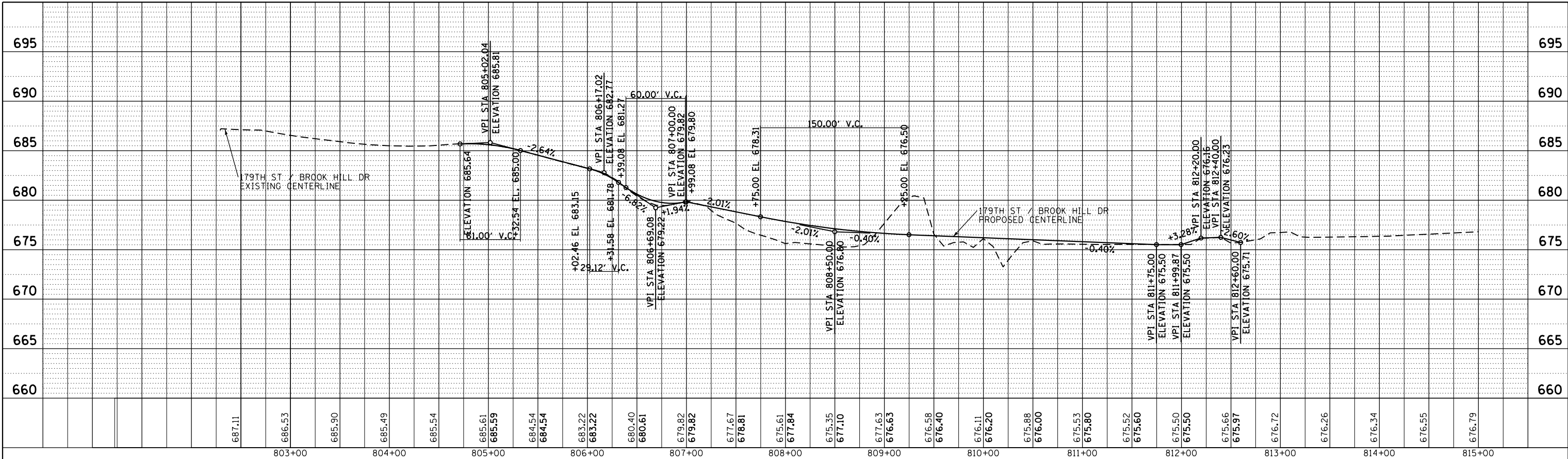
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED PROFILES US 6 (SOUTHWEST HWY.)				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	35
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE		
	NO. AT THIS CPKD		

FILE NAME = D:\Engineering\11\Projects\13003\DOT DURY\3003d - MO 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\060Y26-sh1-179TH Profile.dgn



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PLOT SCALE = 100.0000' / in.	DRAWN - CC	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED PROFILES
179TH ST / BROOK HILL DR

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	36
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES:

1. THE PERMANENT TRAFFIC CONTROL DEPICTED HERE IN IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED IN THE HIGHWAY STANDARDS AS SHOWN IN THE INDEX OF SHEETS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) UNLESS OTHERWISE INDICATED WITHIN THESE GENERAL NOTES, PLANS OR SPECIAL PROVISIONS.
2. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL PROMPTLY RESPOND AT THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
3. DRUMS OR TYPE II BARRICADES SHALL BE PROVIDED AS SHOWN IN THE PLANS AND SPACED 50 FEET CENTER TO CENTER IN TANGENTS, 20 FEET CENTER TO CENTER IN TAPERS, AND 10 FEET CENTER TO CENTER IN RADII IN THE CONSTRUCTION WORK ZONE. ALL DRUMS AND TYPE II BARRICADES SHALL BE EQUIPPED WITH BI-DIRECTIONAL STEADY BURN LIGHTS.
4. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
5. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION.
6. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR THE INITIAL PLACEMENT AND A ONE-TIME REPLACEMENT HAVE BEEN PROVIDED FOR EACH STAGE. ALL MARKINGS THAT REQUIRE REPLACEMENT PRIOR TO 7 DAYS OF SERVICE OR REPLACEMENT AFTER THE INITIAL REPLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING LABOR, SIGNS AND TRAFFIC CONTROL DEVICES NECESSARY FOR THE MAINTENANCE OF TRAFFIC UNLESS NOTED OTHERWISE IN THE SPECIAL PROVISIONS.
8. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM THE TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3" x 6" DELINEATOR INSTALLED. COST OF THE DELINEATOR IS INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
9. WORK ZONE SPEED LIMIT SHALL BE 45 MPH ON US ROUTE 6.
10. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS, SPECIAL PROVISIONS, APPLICABLE STATE STANDARDS, AND AS DIRECTED BY THE ENGINEER. ANY CHANGES TO THE TRAFFIC CONTROL SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTING ANY CHANGES.
11. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY PROPOSED CHANGE TO THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLAN.
12. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY DRAINAGE AND EROSION CONTROL PROTECTION DURING ALL PHASES OF CONSTRUCTION.
13. THE CONTRACTOR SHALL PLACE ONE (1) CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT AND/OR AS DIRECTED BY THE ENGINEER TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE MESSAGE SIGNS WITH APPROPRIATE INFORMATION SHALL BE PLACED TWO WEEKS BEFORE START OF CONSTRUCTION ACTIVITY. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR DAY, "CHANGEABLE MESSAGE SIGN".
14. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE 10' THRU-LANE IN EACH DIRECTION FOR TWO-WAY TRAFFIC FLOW UNLESS OTHERWISE SPECIFIED.
15. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
16. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN.
17. TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE PLACED AS INDICATED IN THE PLANS. FURNISHING, INSTALLING AND RELOCATING TEMPORARY CONCRETE BARRIER AND TEMPORARY IMPACT ATTENUATORS SHALL BE IN ACCORDANCE WITH IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER.
18. IMMEDIATELY AFTER THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES THAT WERE COVERED, REMOVED, DAMAGED, OR OTHERWISE AFFECTED BY CONSTRUCTION.
19. TEMPORARY CONCRETE BARRIER WALL SHALL BE CONTINUOUSLY PINNED TO THE PAVEMENT IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WHERE A 3.5 FOOT CLEAR ZONE FREE FROM DROP-OFFS, FIXED OBJECTS, OR OTHER OBSTACLES CANNOT BE PROVIDED BEHIND THE WALL.
20. ALL EXISTING RAILROAD WARNING SIGNS AND PAVEMENT MARKINGS SHALL BE MAINTAINED DURING CONSTRUCTION.
21. MAINTAIN EXISTING SIDEWALK / TEMPORARY SIDEWALK AT ALL TIMES AS INDICATED IN THE PLANS.
22. METRA COMMUTER ACCESS WORK PERMITTED ONLY BETWEEN 9:00AM TO 4:00PM, MONDAY TO FRIDAY.
23. 179TH STREET STAGE IA WILL BE IN EFFECT WHEN THE CONTRACTOR IS READY TO PAVE AN HMA OVERLAY ON THE EXISTING 179TH STREET TO MATCH THE HMA ON THE REALIGNED 179TH STREET. AT THE CONCLUSION OF THIS PAVING OPERATION, ALL TRAFFIC WILL SWITCH TO AND FOLLOW THE NEW 179TH STREET ALIGNMENT.

SUGGESTED SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC

THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER.

FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS. COORDINATE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES WITH THE EXISTING TRAFFIC PATTERNS AT THE ENDS OF THE PROJECT.

SEQUENCE OF CONSTRUCTION:

PRE-STAGE

1. INSTALL EROSION CONTROL DEVICES AS PER EROSION CONTROL PLANS.
2. CONSTRUCT TEMPORARY WIDENING ON THE OUTSIDE OF THE WB LANE OF US ROUTE 6 UTILIZING IDOT HWY STANDARD 701326 DURING THE HOURS PERMITTED IN THE SPECIAL PROVISIONS.
3. CONSTRUCT TEMPORARY SIDEWALK AND TEMPORARY FENCE ALONG PROPOSED R.O.W. ON NORTH SIDE OF 179TH STREET.

STAGE I - US ROUTE 6

1. INSTALL STAGE I TRAFFIC CONTROL FOR US ROUTE 6.
2. SHIFT TRAFFIC TO THE NORTH SIDE OF THE EXISTING PAVEMENT UTILIZING THE WB LANE AND TEMPORARY WIDENING OF US ROUTE 6 (MINIMUM 10' THRU LANES IN EACH DIRECTION).
3. CONSTRUCT SOUTHERN SEGMENT OF PROPOSED CULVERT AND WINGWALLS.
4. CONSTRUCT EB DRAINAGE SYSTEM, CURB AND GUTTER AND WIDEN EB LANE AND SHOULDER EXCEPT THE HMA LEVELING BINDER AND SURFACE COURSES.

STAGE I - 179TH ST.

1. ON THE NEW ALIGNMENT, CONSTRUCT DRAINAGE SYSTEM, CURB AND GUTTER AND PAVE THE ROADWAY EXCEPT THE HMA LEVELING BINDER AND SURFACE COURSES.
2. TRAFFIC MAY BE REDUCED TO ONE LANE UTILIZING DAILY LANE CLOSURES AND FLAGGERS DURING THE HOURS PERMITTED IN THE SPECIAL PROVISIONS FOR CONSTRUCTION ACTIVITIES.
3. REMOVE CURB AND GUTTER ALONG WB 179TH ST. TO THE EXTENT NECESSARY TO ALLOW TIE-IN OF THE NEW 179TH ST. PAVEMENT TO THE EXISTING 179TH ST. PAVEMENT.

STAGE I - BROOK HILL DR.

NO WORK ON BROOK HILL DRIVE WILL BE PERFORMED DURING STAGE I CONSTRUCTION.

STAGE II - US ROUTE 6

1. REMOVE STAGE I TRAFFIC CONTROL AND PLACE STAGE II TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS AS PER PLANS.
2. SHIFT TRAFFIC TO THE SOUTH ON THE NEWLY CONSTRUCTED EB LANE AND SHOULDER OF US ROUTE 6 (MINIMUM 10' THRU LANES IN EACH DIRECTION).
3. CONSTRUCT REMAINING SEGMENT OF PROPOSED CULVERT AND WINGWALLS.
4. CONSTRUCT WB DRAINAGE SYSTEM, CURB AND GUTTER AND WIDEN WB LANE AND SHOULDER EXCEPT THE HMA LEVELING BINDER AND SURFACE COURSES.

STAGE II - 179TH ST.

1. SHIFT TRAFFIC TO NEWLY CONSTRUCTED 179TH ST. ALIGNMENT.
2. CONSTRUCT DRIVEWAY TO THE METRA STATION PARKING LOT.
3. CONSTRUCT CURB AND GUTTER ALONG EB 179TH ST.

STAGE II - BROOK HILL DR.

1. WIDEN BROOK HILL DR. INTERSECTION WITH US ROUTE 6 UTILIZING IDOT HWY STANDARD 701501 DURING THE HOURS PERMITTED IN THE SPECIAL PROVISIONS. WIDENING BOTH SIDES OF BROOK HILL DR. AT THE SAME TIME WILL NOT BE PERMITTED.

STAGE III - ALL ROADS

1. REMOVE OLD 179TH ST. AND CONSTRUCT WATER QUALITY SWALE.
2. COMPLETE ALL UNFINISHED LANDSCAPING.
3. MILL ALL EXISTING PAVEMENTS, PLACE HMA LEVELING BINDER AND SURFACE COURSES OVER ALL PAVEMENTS AS REQUIRED.
4. REMOVE REMAINING TEMPORARY PAVEMENT MARKINGS AND INSTALL PERMANENT PAVEMENT MARKINGS.
5. REMOVE TEMPORARY EROSION CONTROL DEVICES.

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	DRAWN - CC	REVISED -
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PLOT DATE = 3/9/2018	DATE - 01-29-2018	REVISED -

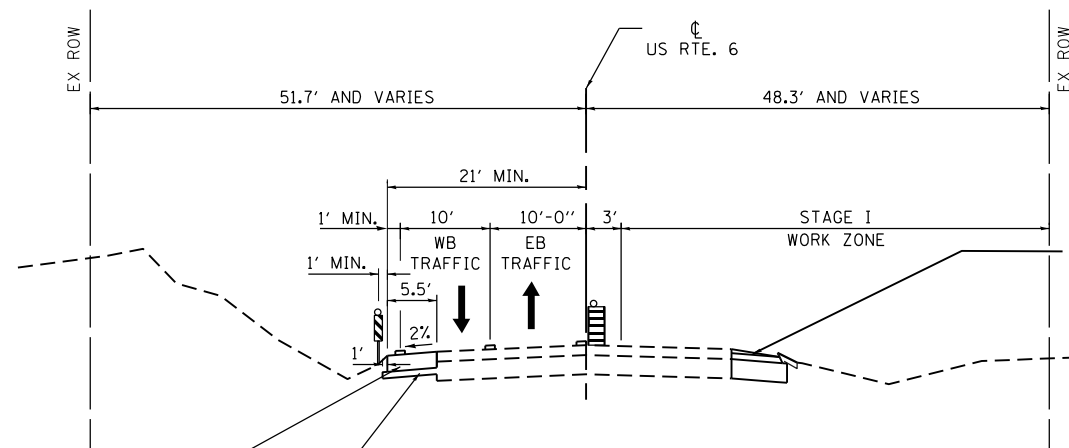
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC GENERAL NOTES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	31780-N(14)	COOK	151	37
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\Live\Projects\13003 IDOT DUR\13003d - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-Shr-MOT Typ Sections.dgn

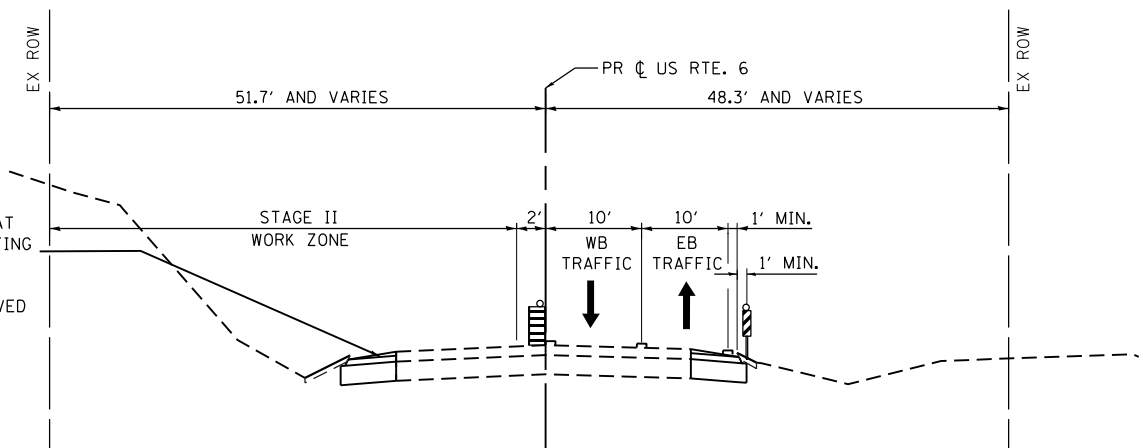


STAGE I PROPOSED TYPICAL SECTION
US 6 (SOUTHWEST HWY.)
(LOOKING EAST)

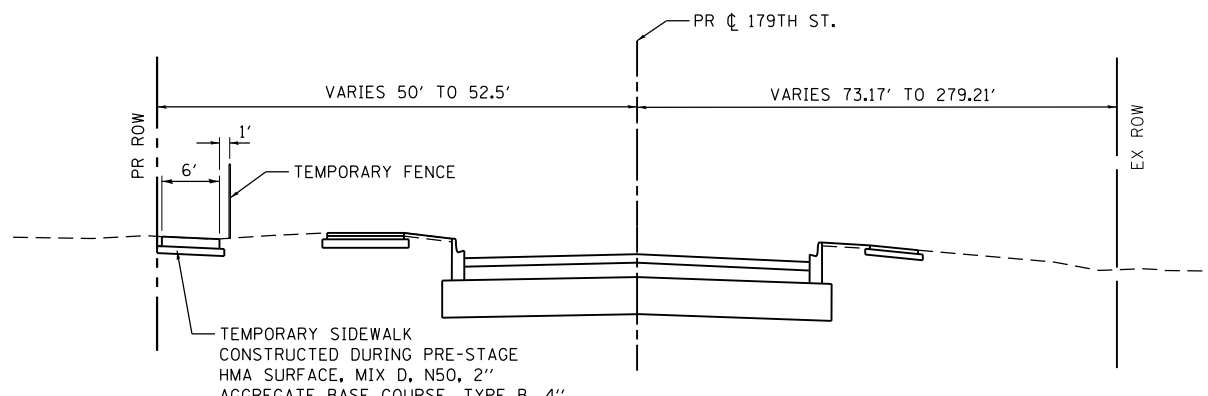
10" TEMPORARY PAVEMENT
CONSTRUCTED IN PRE-STAGE I
HMA SURFACE, MIX D, N50, 2"
HMA BINDER, (IL-19mm), 8 1/2"
AGGREGATE BASE COURSE, TYPE B, 4"

TEMPORARY PAVEMENT INSTALLED DURING PRE-STAGE

NOTE:
PAVE AN INTERIM 8 FOOT WIDE WEDGE THAT
TRANSITIONS FROM THE TOP OF THE EXISTING
PAVEMENT TO THE TOP OF THE NEW BASE
COURSE. USE LEVELING BINDER (MACHINE
METHOD), N70. THE WEDGE WILL BE REMOVED
WITH THE HMA SURFACE REMOVAL, 2 1/2"



STAGE II PROPOSED TYPICAL SECTION
US 6 (SOUTHWEST HWY.)
(LOOKING EAST)

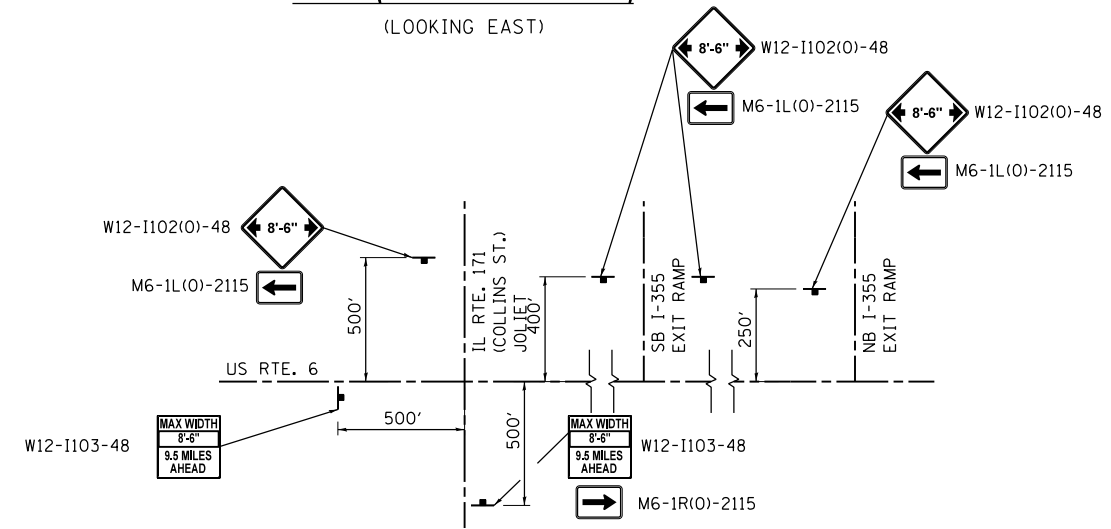


STAGE I PROPOSED TYPICAL SECTION
179TH STREET
(LOOKING SOUTHEAST)

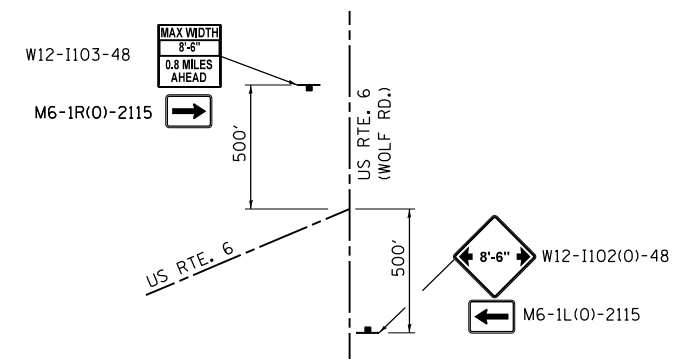
TEMPORARY SIDEWALK AND TEMPORARY FENCE INSTALLED DURING PRE-STAGE

LEGEND (THIS SHEET ONLY)

- TEMPORARY PAVEMENT MARKING
- DRUM OR TYPE II BARRICADE WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENTS, 20' C-C SPACING IN TAPERS AND 10' C-C SPACING IN RADII
- DOUBLE-SIDE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING
- DIRECTION OF TRAFFIC



WIDTH RESTRICTION SIGNING
FOR EB US RTE. 6 TRAFFIC



WIDTH RESTRICTION SIGNING
FOR WB US RTE. 6 TRAFFIC



USER NAME = jent	DESIGNED - SAT	REVISED -
DRAWN - CC	REVISOR -	
PLOT SCALE = 20.0000' / in.	CHECKED - JMT	REVISOR -
PLOT DATE = 3/9/2018	DATE - 01-29-2018	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

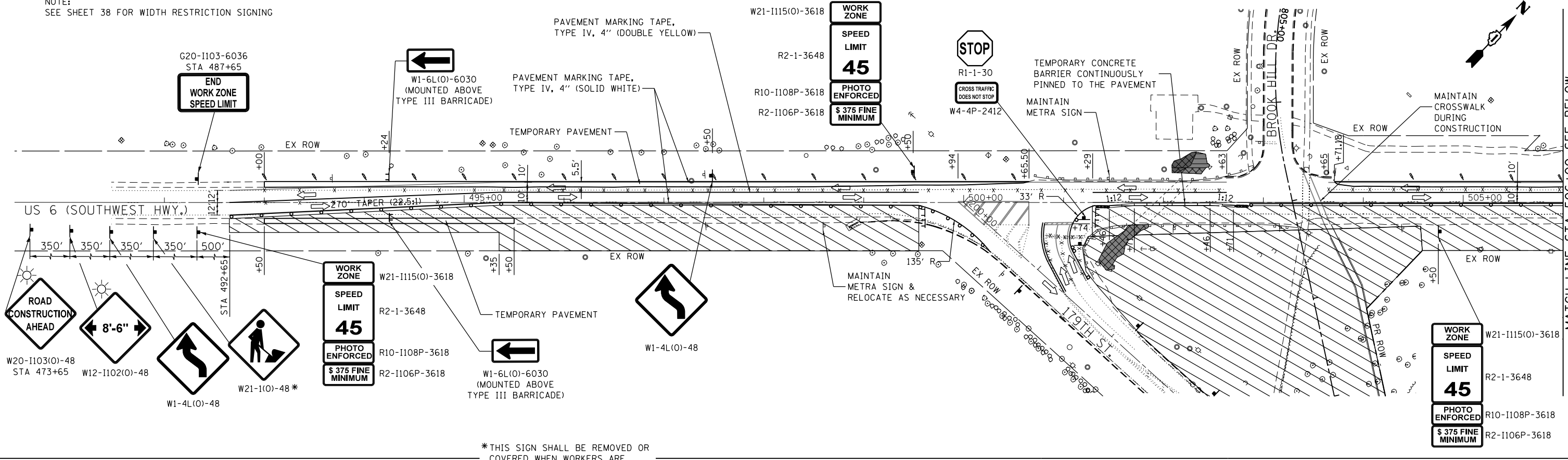
SUGGESTED MAINTENANCE OF TRAFFIC – TYPICAL SECTIONS
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

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

F.A.U. RTE. 0297	SECTION 31780-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 38
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

NOTE:
SEE SHEET 38 FOR WIDTH RESTRICTION SIGNING

PLAN	SURVEYED	DATE
NO.	NO.	NO.

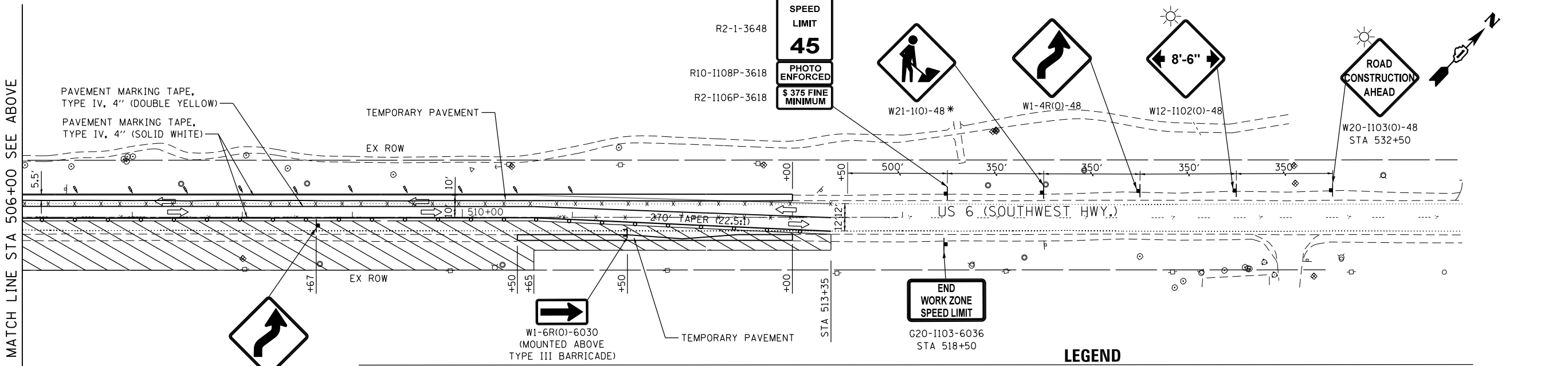


* THIS SIGN SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.

PROFILE	SURVEYED	DATE
NO.	NO.	NO.

MATCH LINE STA 506+00 SEE ABOVE

NOTE:
SEE SHEET 38 FOR WIDTH RESTRICTION SIGNING



○	DRUM OR TYPE II BARRICADE WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENTS, 20' C-C SPACING IN TAPERS AND 10' C-C SPACING IN RADII	←	DIRECTION OF TRAFFIC
⌋	TYPE III BARRICADE WITH 2 TYPE A FLASHERS	-x-x-x-x-	EXISTING PAVEMENT MARKING REMOVAL - WATER BLASTING
⊣	SIGN ON PERMANENT OR PORTABLE SUPPORT	⊣	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
⏏	TEMPORARY CONCRETE BARRIER	▨	WORK ZONE
▨	DOUBLE-SIDE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING		



USER NAME = jent	DESIGNED - SAT	REVISED -
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PLOT DATE = 3/9/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE I SUGGESTED MAINTENANCE OF TRAFFIC
US 6 (SOUTHWEST HWY.)

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	31780-N(14)	COOK	151	39
CONTRACT NO. 60Y26				

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

MATCH LINE STA 506+00 SEE BELOW

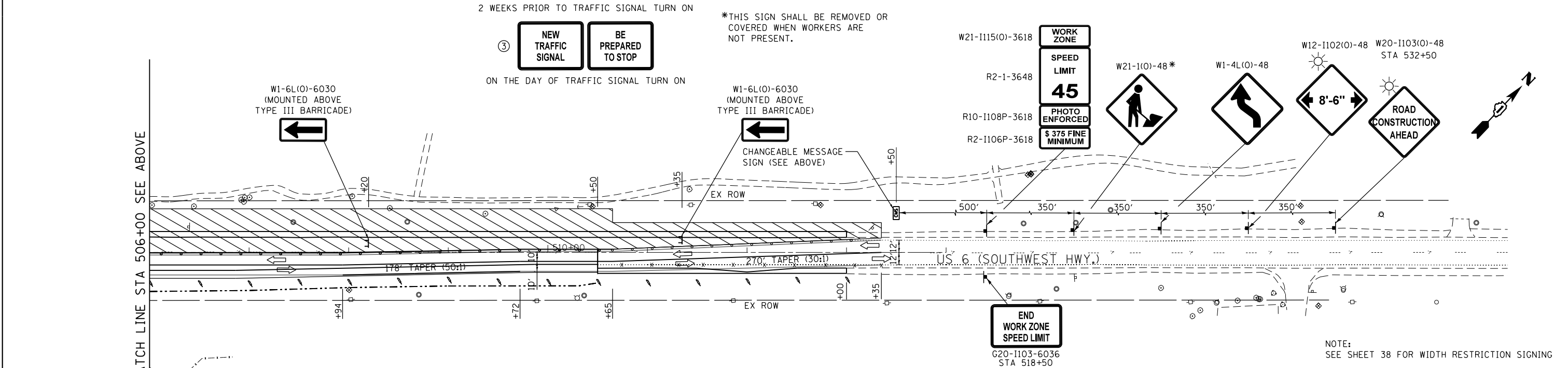
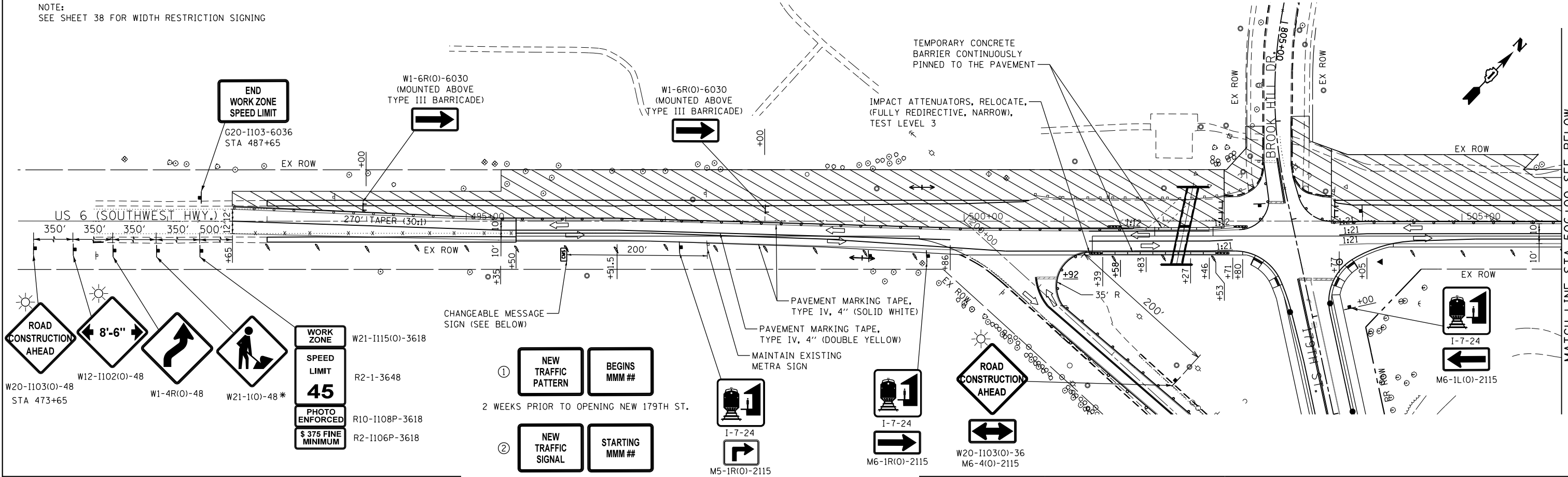
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NOTE:
SEE SHEET 38 FOR WIDTH RESTRICTION SIGNING

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

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

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LEGEND

	DRUM OR TYPE II BARRICADE WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENTS, 20' C-C SPACING IN TAPERS AND 10' C-C SPACING IN RADII		TEMPORARY CONCRETE BARRIER		DIRECTION OF TRAFFIC
	TYPE III BARRICADE WITH 2 TYPE A FLASHERS		DOUBLE-SIDE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING		EXISTING PAVEMENT MARKING REMOVAL - WATER BLASTING
	SIGN ON PERMANENT OR PORTABLE SUPPORT		WORK ZONE		IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3



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	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE II SUGGESTED MAINTENANCE OF TRAFFIC
US 6 (SOUTHWEST HWY.)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N14	COOK	151	40
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

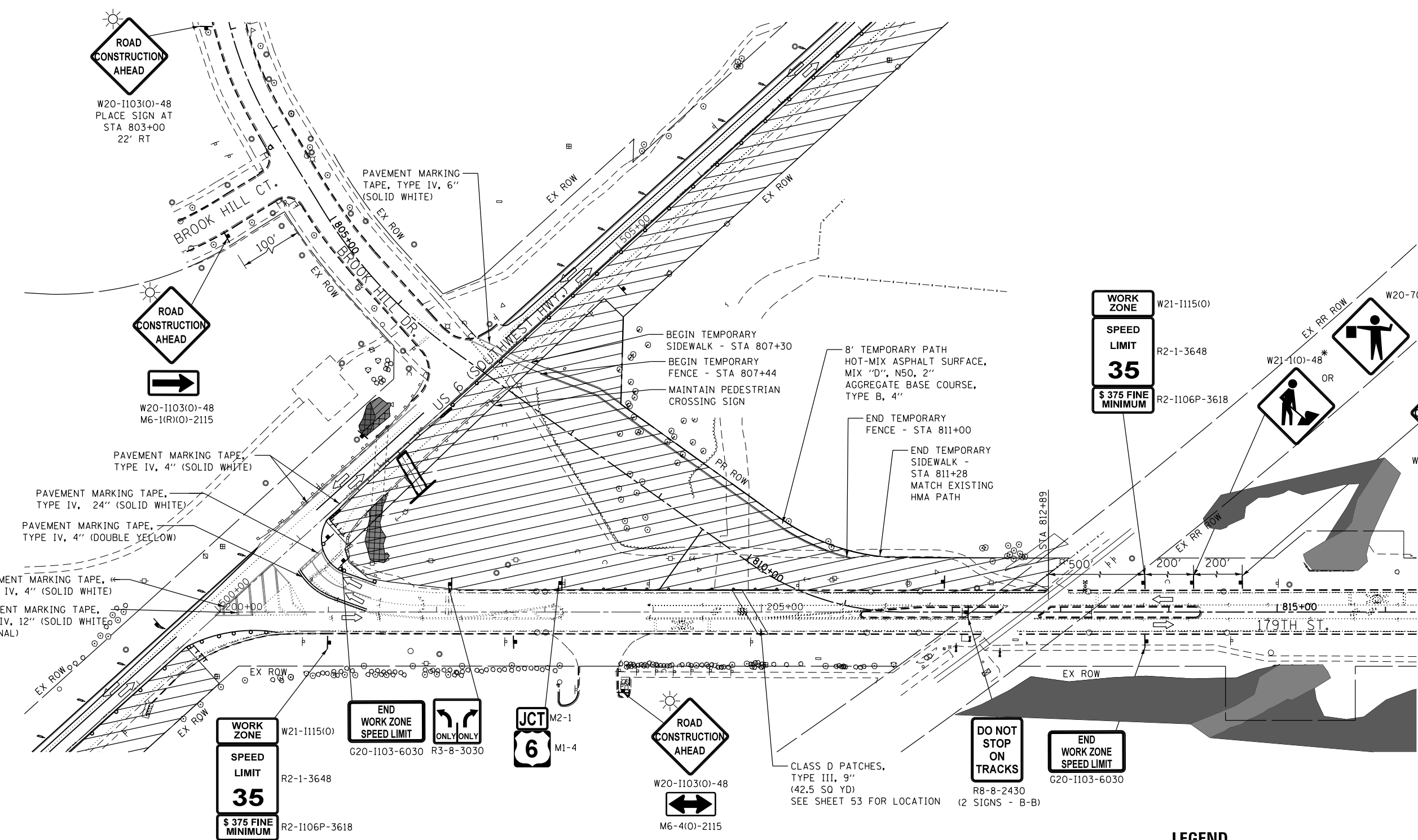
MATCH LINE STA 506+00 SEE BELOW



W20-1103(O)-48
PLACE SIGN AT
STA 803+00
22' RT



W20-1103(O)-48
M6-1(R)(O)-2115



WORK ZONE
SPEED LIMIT
35
\$ 375 FINE MINIMUM

W21-1115(O)
R2-1-3648
R2-1106P-3618

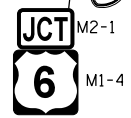


W20-1103(O)-48
STA 821+89

WORK ZONE
SPEED LIMIT
35
\$ 375 FINE MINIMUM

W21-1115(O)
R2-1-3648
R2-1106P-3618

END WORK ZONE SPEED LIMIT
G20-1103-6030
ONLY ONLY
R3-8-3030



W20-1103(O)-48
M6-4(O)-2115

DO NOT STOP ON TRACKS
R8-8-2430
(2 SIGNS - B-B)

END WORK ZONE SPEED LIMIT
G20-1103-6030

LEGEND

- DRUM OR TYPE II BARRICADE WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENTS, 20' C-C SPACING IN TAPERS AND 10' C-C SPACING IN RADII
- TYPE III BARRICADE WITH 2 TYPE A FLASHERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC
- EXISTING PAVEMENT MARKING REMOVAL - WATER BLASTING
- IMPACT ATTENUATORS, TEMPORARY (FULLY-REDIRECTIVE, NARROW) TEST LEVEL 3
- WORK ZONE
- PROPOSED TEMPORARY FENCE
- DOUBLE-SIDE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING

NOTES:
ALL EXISTING RAILROAD WARNING SIGNS AND PAVEMENT MARKINGS SHALL BE MAINTAINED DURING CONSTRUCTION.
* THIS SIGN SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DURV\30033d - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-ant-MOT-179 Stage1.Sldgn



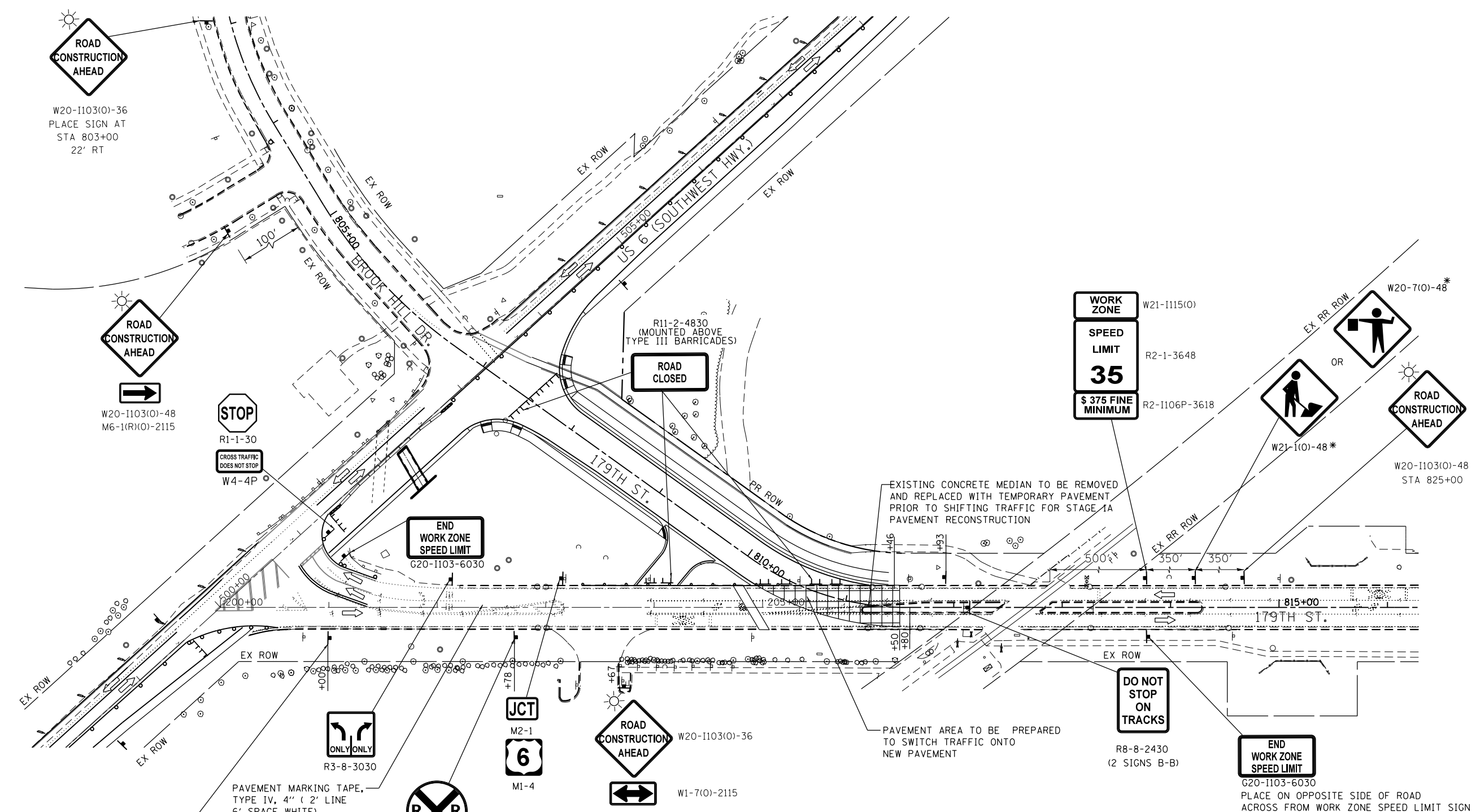
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PLOT SCALE = 100.0000' / in.	DRAWN - CC	REVISED -
PLOT DATE = 3/9/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE I SUGGESTED MAINTENANCE OF TRAFFIC 179TH STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	41
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



EXISTING CONCRETE MEDIAN TO BE REMOVED AND REPLACED WITH TEMPORARY PAVEMENT PRIOR TO SHIFTING TRAFFIC FOR STAGE 1A PAVEMENT RECONSTRUCTION

PAVEMENT AREA TO BE PREPARED TO SWITCH TRAFFIC ONTO NEW PAVEMENT

LEGEND

- DRUM OR TYPE II BARRICADE WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENTS, 20' C-C SPACING IN TAPERS AND 10' C-C SPACING IN RADII
- TYPE III BARRICADE WITH 2 TYPE A FLASHERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- FLAGGER WITH TRAFFIC CONTROL SIGN
- TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC
- EXISTING PAVEMENT MARKING REMOVAL - WATER BLASTING
- IMPACT ATTENUATORS, TEMPORARY (FULLY-REDIRECTIVE, NARROW) TEST LEVEL 3
- WORK ZONE
- VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING

NOTES:
ALL EXISTING RAILROAD WARNING SIGNS AND PAVEMENT MARKINGS SHALL BE MAINTAINED DURING CONSTRUCTION.

ALL MEDIAN MARKERS AFFECTED BY THE MEDIAN REMOVAL SHALL BE REMOVED BY THE VILLAGE OF ORLAND PARK PRIOR TO MEDIAN REMOVAL.

*THIS SIGN SHALL BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.

FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W0 4 Contract No. 60Y26\CAD\CADD Sheets\Civil\60Y26-ant-MOT-179 Stage1 SIA.dgn



USER NAME = jent	DESIGNED - DH	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - CC	REVISED -
PLOT DATE = 3/9/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE IA SUGGESTED MAINTENANCE OF TRAFFIC
179TH STREET**

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

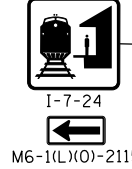
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	31780-N(14)	COOK	151	42
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



W20-1103(O)-36
PLACE SIGN AT
STA 803+00
22' RT



W20-1103(O)-36
M6-1(R)(O)-2115



I-7-24
M6-1(L)(O)-2115



M5-1(R)(O)-2115

CHANGEABLE MESSAGE
SIGN FOR METRA ENTRANCE



CHANGEABLE MESSAGE
SIGN FOR METRA ENTRANCE



I-7-24
M6-3(O)-2115



R1-1-3636
W4-1100-3018



R1-1-3636
W4-1100-3018



I-7-24
M6-4(O)-2115

R11-2-4830
MOUNTED ABOVE
TYPE III BARRICADE



W21-1(O)-48*



W20-7(O)-48*



R11-2-4830
(MOUNTED ABOVE
TYPE III BARRICADES)



NO
TRAIN HORN

W10-1-36

W10-9P-3024

NOTES:
ALL EXISTING RAILROAD WARNING SIGNS AND
PAVEMENT MARKINGS SHALL BE MAINTAINED
DURING CONSTRUCTION.

WIDEN BROOK HILL DRIVE UTILIZING DAYTIME LANE
CLOSURES WITH IDOT HIGHWAY STANDARD 701501.

WIDENING BOTH SIDES OF BROOK HILL DRIVE AT
THE INTERSECTION AT THE SAME TIME WILL NOT
BE PERMITTED.

*THIS SIGN SHALL BE REMOVED OR COVERED
WHEN WORKERS ARE NOT PRESENT.

① NEW TRAFFIC PATTERN
BEGINS MMM #

2 WEEKS PRIOR TO OPENING NEW 179TH ST.

② NEW TRAFFIC SIGNAL
STARTING MMM #

2 WEEKS PRIOR TO TRAFFIC SIGNAL TURN ON

③ NEW TRAFFIC SIGNAL
BE PREPARED TO STOP

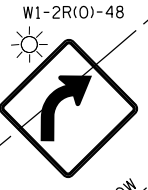
ON THE DAY OF TRAFFIC SIGNAL TURN ON

WORK ZONE
SPEED LIMIT
35
\$ 375 FINE
MINIMUM

W21-1115(O)

R2-1-3648

R2-1106P-3618



W20-1103(O)-48
STA 821+89

LEGEND

- DRUMS OR TYPE II BARRICADES WITH STEADY BURNING BI-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TANGENTS, 20' C-C SPACING IN TAPERS, AND 10' C-C SPACING IN RADII
- ⊥ TYPE III BARRICADE WITH 2 TYPE A FLASHERS
- SIGN ON PERMANENT OR PORTABLE SUPPORT
- ▬ TEMPORARY CONCRETE BARRIER
- ← DIRECTION OF TRAFFIC
- X X X EXISTING PAVEMENT MARKING REMOVAL
- ▬ IMPACT ATTENUATORS, RELOCATE (FULLY-REDIRECTIVE, NARROW) TEST LEVEL 3
- ▨ WORK ZONE
- (A) PAVEMENT MARKING TAPE TYPE IV, LINE 24" (STOP BAR)
- (B) PAVEMENT MARKING TAPE TYPE IV, LETTERS AND SYMBOLS
- (C) PAVEMENT MARKING TAPE TYPE IV, LINE 4" (SOLID WHITE/YELLOW)
- (D) PAVEMENT MARKING TAPE TYPE IV, LINE 4" (DOUBLE YELLOW)



FILE NAME = G:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-ant-MOT-179 Stage2.52.dgn



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PLOT DATE = 3/9/2018	CHECKED - DH	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE II SUGGESTED MAINTENANCE OF TRAFFIC			
179TH STREET			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	43
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPs ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
2. ALL THE SOIL EROSION AND SEDIMENT CONTROL FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND THE INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER, WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
4. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITIES.
5. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION ACTIVITY, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN ONE (1) CALENDAR DAY PER SWPPP SECTION II.B.
6. THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREA AS THE PROJECT PROGRESSES AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE ENGINEER OR AUTHORIZED IDOT PERSONNEL.
7. STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10-FT VERTICALLY OR THE FINISHED SLOPE EQUALS 30-FT, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
8. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES TO BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS THROUGHOUT THE PROJECT.
9. THE CONTRACTOR'S REPRESENTATIVE HAS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND HAVE TAKEN AN ILLINOIS DEPARTMENT OF TRANSPORTATION OR APPROVED EQUAL EROSION AND SEDIMENT CONTROL COURSE. THIS PERSON SHALL HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTION CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN PROVIDED BY THE ENGINEER. THIS INDIVIDUAL AND THE ENGINEER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING:
 - A. DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
 - B. STRUCTURAL CONTROL MEASURES (SUCH AS PERIMETER EROSION BARRIER, ETC.)
 - C. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE PROJECT SITE.
 - D. AN ADDITIONAL INSPECTION OF THE ITEMS LISTED ABOVE MUST BE MADE 24-HOURS AFTER A RAINFALL OR EQUIVALENT SNOWFALL EVENT GREATER THAN 0.5-INCH. DURING WINTER MONTHS, ALL MEASURES MUST BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
10. ALL THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON, AS WELL AS OVER THE WINTER SHUTDOWN PERIOD AND OTHER DAYS WHEN THE PROJECT IS CLOSED DOWN FOR A LONGER DURATION. ANY CONTROL MEASURES FILLED MORE THAN 75% MUST BE CLEANED AND RESET AND THESE SPOILS REMOVED TO AN APPROVED SITE.
11. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND ACTIVE DRAINAGE PATHS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE. IMMEDIATELY AFTER THE FINAL SHAPING OF THE STOCKPILE, THE TOPSOIL WILL BE STABILIZED IN ACCORDANCE WITH THE METHOD APPROVED BY IDOT. THE CONTRACTOR WILL PROVIDE ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.

12. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR, THE COST OF THE CONTROLS WILL BE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COST OF INSTALLING AND MAINTAINING THE CONTROLS.
13. IF AND/OR WHEN THE CONTRACTOR REQUESTS CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH 25 FEET AWAY FROM THE SHOULDER OF THE ROAD PROVIDED THE FOLLOWING CONDITIONS ARE MET:
 - A. ALL AREAS BEING STABILIZED ARE 1:3 SLOPES OR FLATTER
 - B. THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH MULCH METHOD 2.
 - C. ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
14. TOPSOIL PLACEMENT: TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARY STEEP SLOPES.
15. IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE.
16. THE CONTRACTOR'S REPRESENTATIVE AND THE ENGINEER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTIONS. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORT MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.
17. ANY SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING CONTROL MEASURE PRIOR TO RELEASE FROM THE PROJECT SITE.
18. NO WORK IS ALLOWED BEYOND THE PERMITTED AREA. ANY WORK WITHIN A SWALE OR DITCH CAPABLE OF CONVEYING WATER MUST BE CONDUCTED IN THE DRY. PROVISIONS MUST BE MADE TO BYPASS PUMP OR DEWATER ANY AREAS IN WHICH WORK WILL BE CONDUCTED. IN HIGH FLOW CHANNELS WHERE DEWATERING IS NOT POSSIBLE OR PRACTICAL, SILT FENCE OR SEDIMENT CURTAINS MAY BE INSTALLED PARALLEL TO THE STREAM BANK. IN NO CASE WILL THE CURTAINS BE INSTALLED PERPENDICULAR TO THE FLOW. DEWATERING MUST BE DISCHARGED TO A STABLE, NON-ERODIBLE SURFACE AND IN-STREAM WORK BARRIERS MUST BE COMPOSED OF NON-ERODIBLE MATERIAL.
19. SEEDING USAGE

CLASS 2A:
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

CLASS 4: (MODIFIED)
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

CLASS 4B: (MODIFIED)
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

MULCH METHOD 2
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

TEMPORARY EROSION CONTROL SEEDING:
USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.
20. THE CONTRACTOR MUST COOPERATE WITH THE ENGINEER AND HIS/HER REPRESENTATIVE WHO WILL MAKE SITE VISITS TO REVIEW THE COMPLIANCE OF THE PLANS IN THE FIELD AND AUDIT IF NECESSARY. THE CONTRACTOR MUST PREPARE THE LOGS AND RECORDS WHEN REQUIRED AND SUBMIT TO IDOT AND/OR APPROPRIATE AGENCIES.
21. THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION CONTROL BARRIER MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
22. THE CONTRACTOR WILL PROVIDE THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING CULVERTS. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

SOIL PROTECTION SCHEDULE:

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDING						→					→	
DORMANT SEEDING	→		→							→		→
TEMPORARY SEEDING										→		
EROSION BLANKET / HYDROMULCH											→	

EROSION AND SEDIMENT CONTROL STRATEGY:

1. INSTALL TRAFFIC CONTROL DEVICES.
2. ERECT PERIMETER EROSION BARRIERS AND TEMPORARY FENCES AS SHOWN ON PLANS.
3. INSTALL INLET FILTERS AS SHOWN ON PLANS.
4. ESTABLISH STABILIZED CONSTRUCTION ENTRANCES.
5. CLEAR AND GRUB, REMOVE EXISTING TREES AND BUSHES AS NECESSARY.
6. CONSTRUCT PROJECT IMPROVEMENTS AS SHOWN ON THE PLANS.
7. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
8. TEMPORARY STABILIZATION OF EACH STAGE SHOULD BE COMPLETED BEFORE WORK IS MOVED TO SUBSEQUENT STAGES.
9. STABILIZE DISTURBED AREAS WITH TEMPORARY EROSION CONTROL MEASURES. USE THE PERMANENT SODDING AND/OR SEEDING WITH EROSION CONTROL BLANKET AS SHOWN ON THE PLANS.
10. WHEN FINAL STABILIZATION IS ESTABLISHED, REMOVE ALL TEMPORARY MEASURES.

HIGHWAY STANDARDS:

STD. NO. TITLE
280001 TEMPORARY EROSION CONTROL SYSTEMS

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W 4 Contract No. 60Y26\CAD\CADD Sheets\Civil\ID60Y26-ent-Erosion Control S-1.dwg

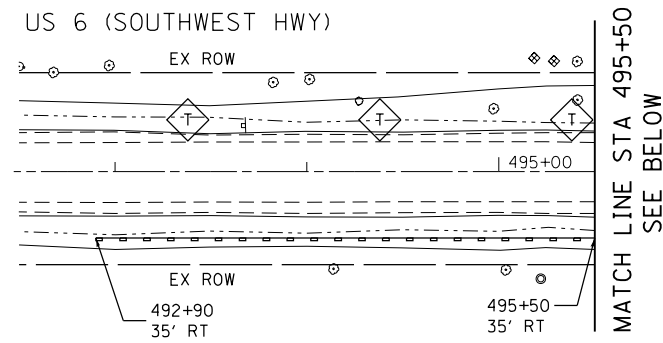


USER NAME = johnn	DESIGNED - SAT	REVISED -
	DRAWN - CC	REVISED -
PLOT SCALE = 100.0000' / 1in.	CHECKED - JMT	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

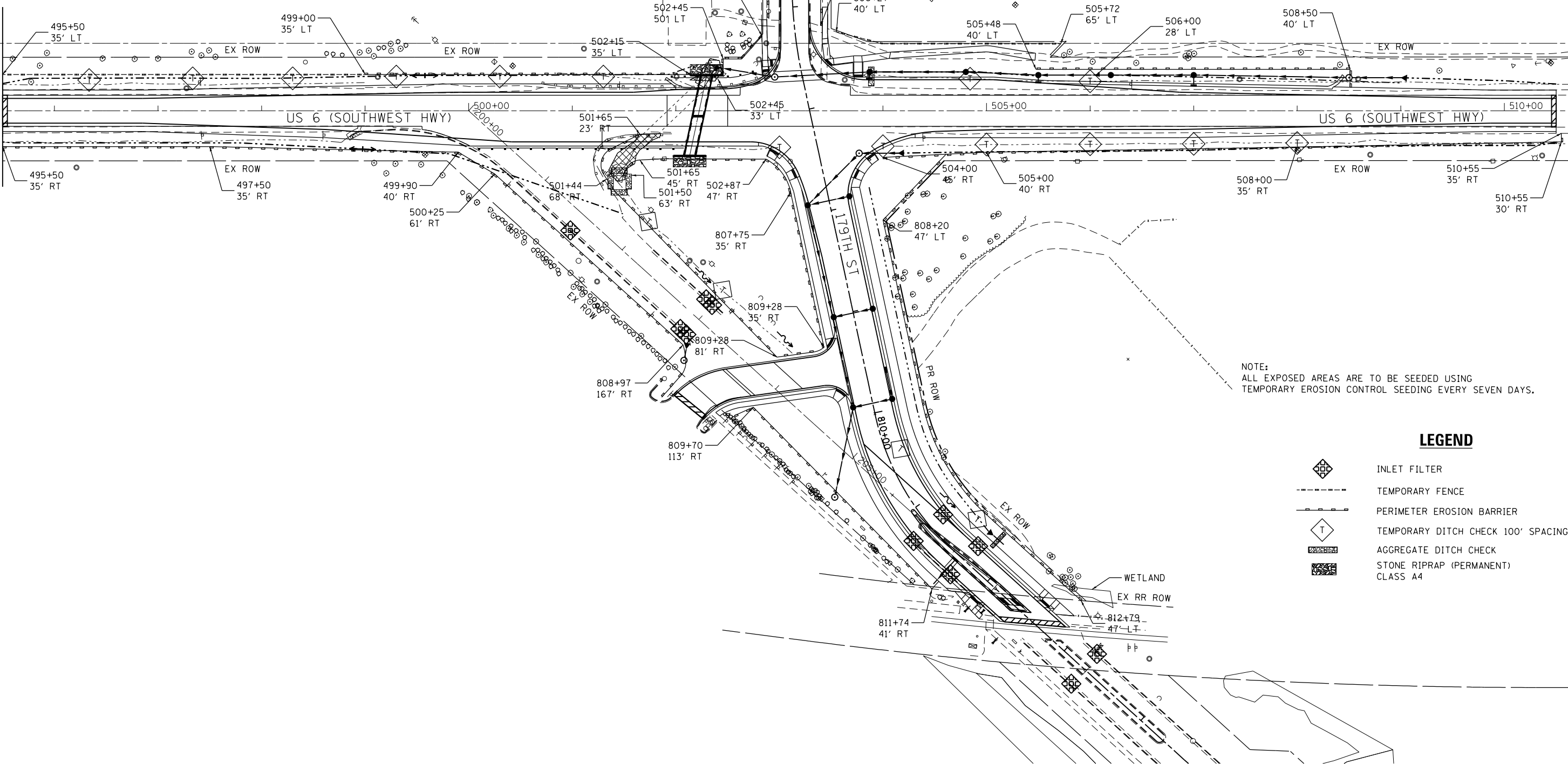
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL NOTES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.**
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N114)	COOK	151	44
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 495+50
SEE ABOVE



NOTE:
ALL EXPOSED AREAS ARE TO BE SEEDING USING
TEMPORARY EROSION CONTROL SEEDING EVERY SEVEN DAYS.

LEGEND

- INLET FILTER
- TEMPORARY FENCE
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK 100' SPACING
- AGGREGATE DITCH CHECK
- STONE RIPRAP (PERMANENT) CLASS A4

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-ent-Erosion Control S-2.dgn



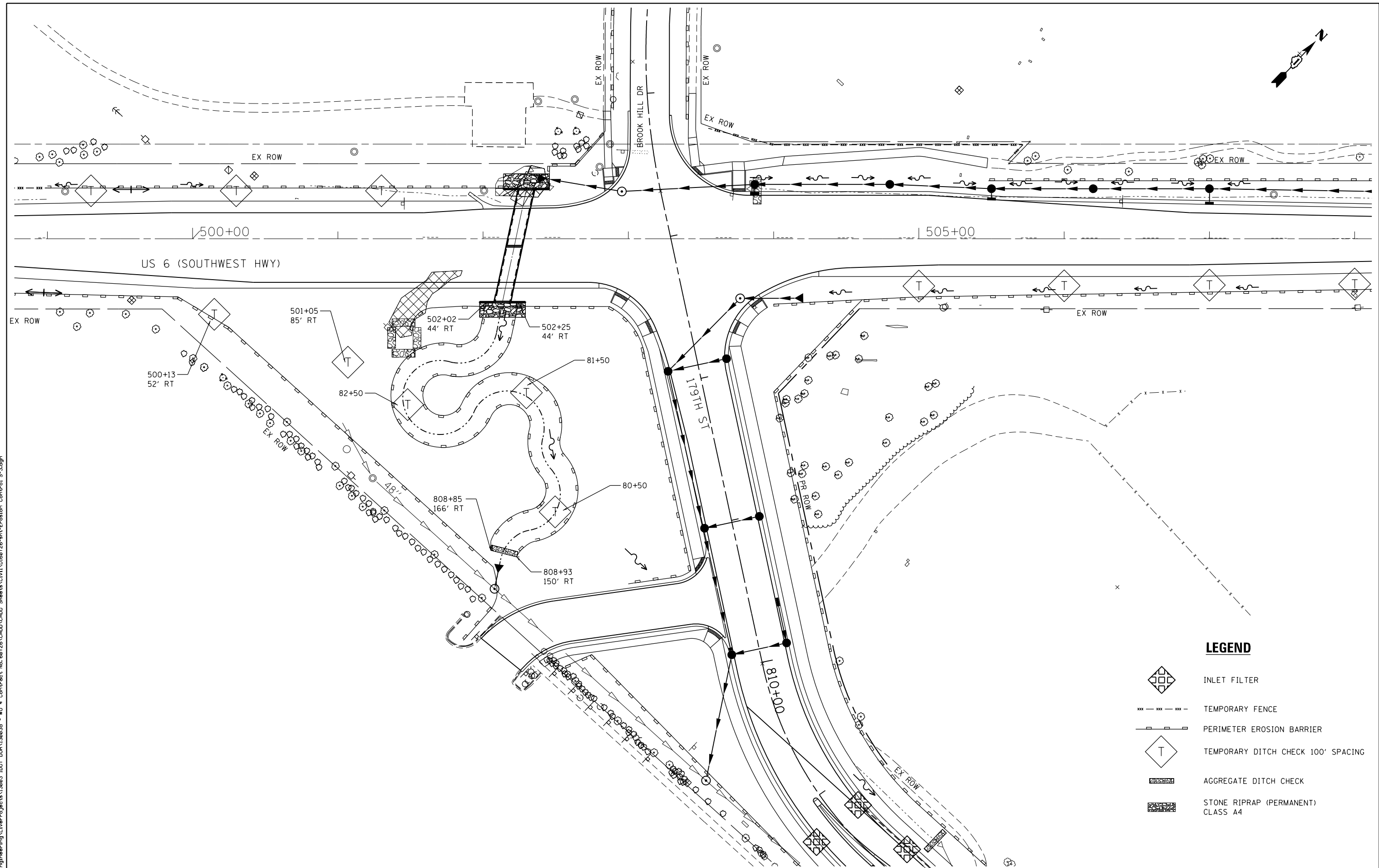
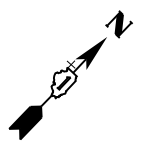
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DRAWN - CC	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


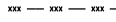
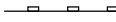



EROSION AND SEDIMENT CONTROL PLAN
US 6 (SOUTHWEST HWY.) AND 179TH ST. / BROOK HILL DR.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	45
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



LEGEND

-  INLET FILTER
-  TEMPORARY FENCE
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK 100' SPACING
-  AGGREGATE DITCH CHECK
-  STONE RIPRAP (PERMANENT) CLASS A4

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - WD 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-ent-Erosion Control S-3.dgn



USER NAME = johnn	DESIGNED - SAT	REVISED -
DRAWN - CC	REVISOR -	REVISED -
CHECKED - JMT	REVISOR -	REVISED -
DATE - 01-29-2018	REVISOR -	REVISED -

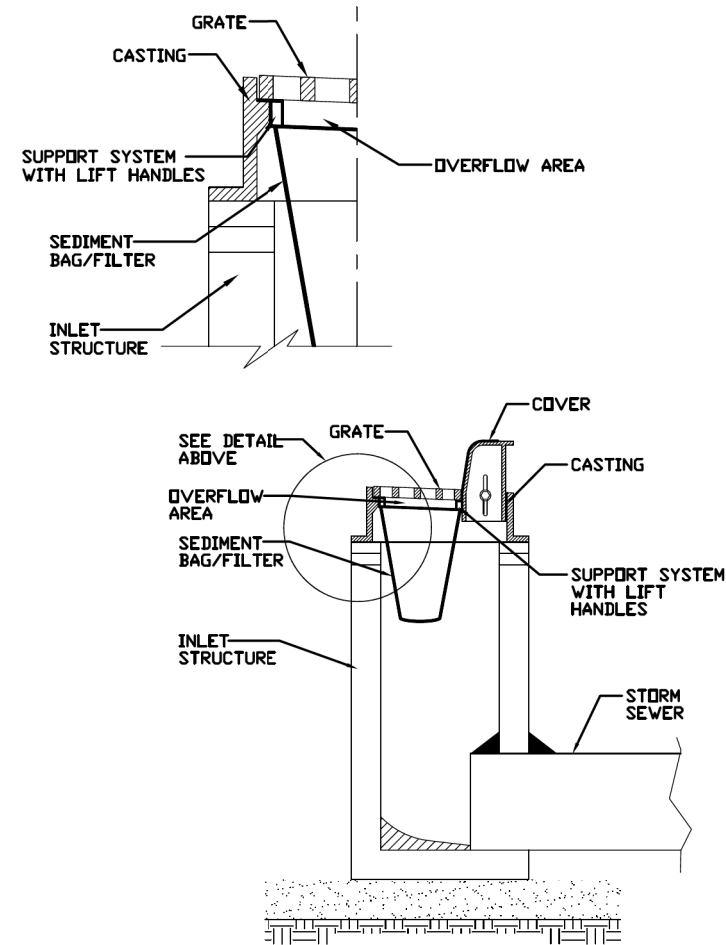
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN FOR WATER QUALITY SWALE
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.**

SCALE: 1" = 30' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 46
CONTRACT NO. 60Y26				ILLINOIS FED. AID PROJECT

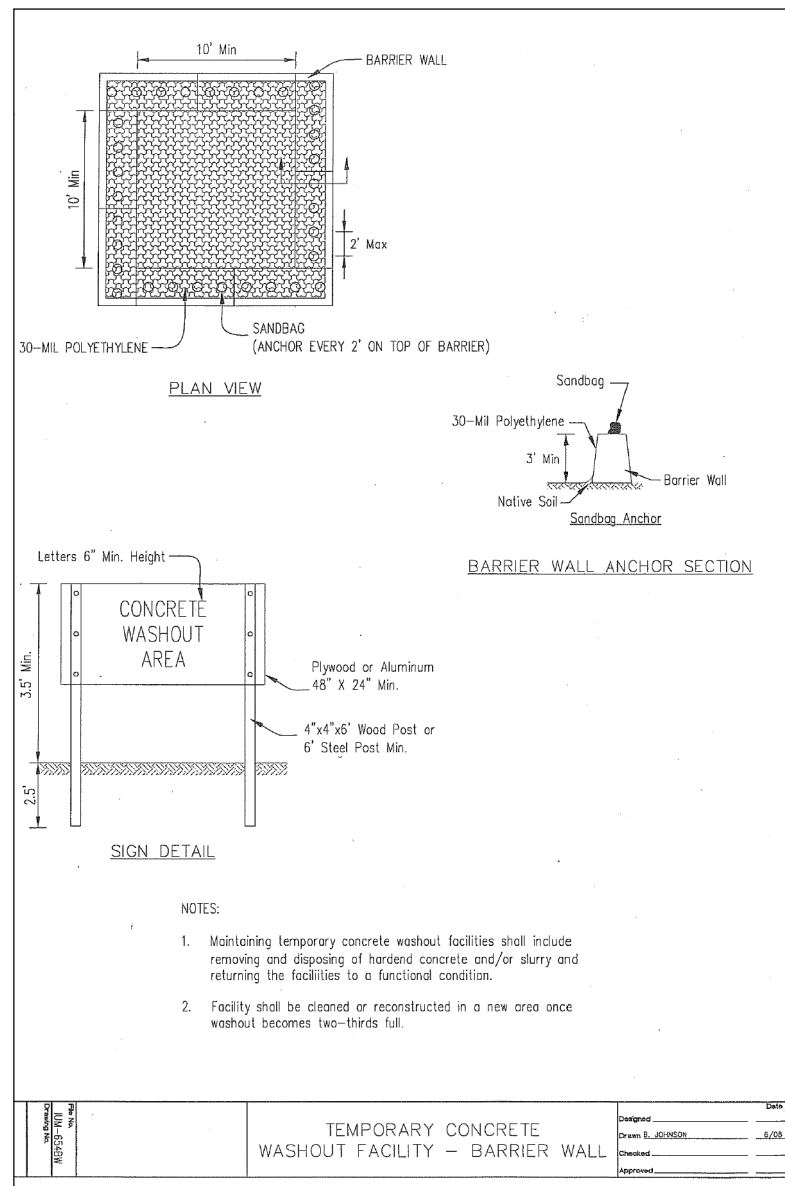
INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



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



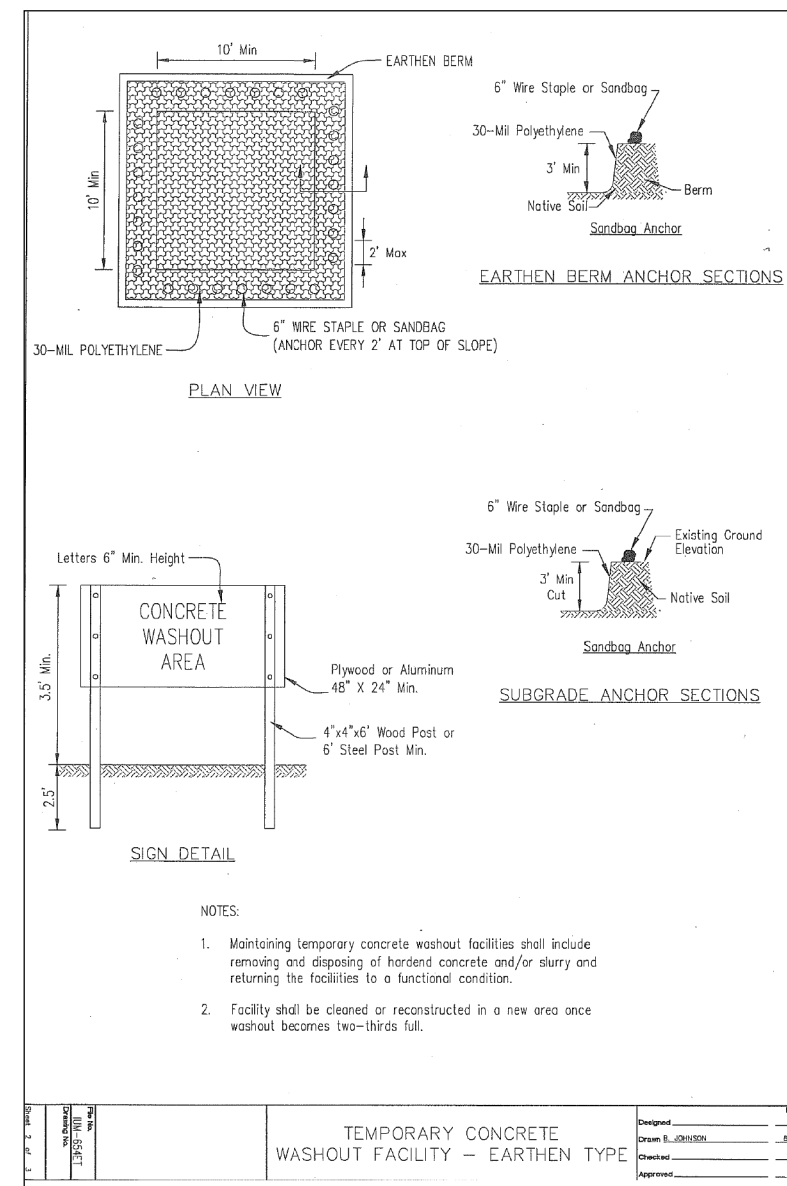
STANDARD DVG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11



DESIGNED	SAT	DATE	01-11-11
DRAWN	CC		
CHECKED	JMT		
DATE	01-29-2018		

TEMPORARY CONCRETE
WASHOUT FACILITY - BARRIER WALL

DESIGNED	_____	DATE	_____
DRAWN	B. JOHNSON		8/08
CHECKED	_____		
APPROVED	_____		



DESIGNED	_____	DATE	_____
DRAWN	B. JOHNSON		8/08
CHECKED	_____		
APPROVED	_____		

TEMPORARY CONCRETE
WASHOUT FACILITY - EARTHEN TYPE

DESIGNED	_____	DATE	_____
DRAWN	B. JOHNSON		8/08
CHECKED	_____		
APPROVED	_____		

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUV\13003d - W0 4 Contract No. 60Y26\CAD\CADD Sheets\Civil\60Y26-ent-Erosion Control S-4.dgn



USER NAME = johnn	DESIGNED - SAT	REVISED -
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PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

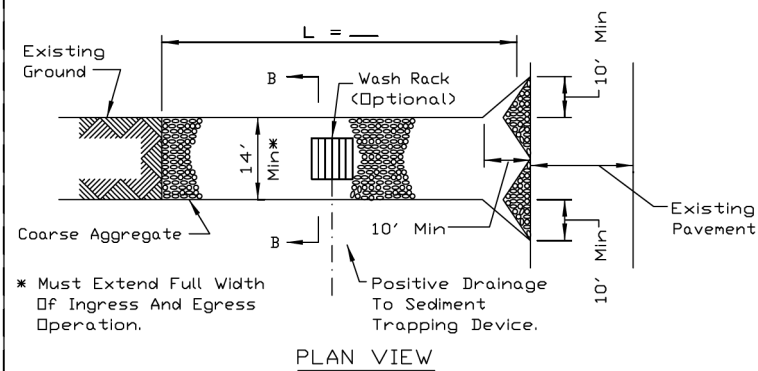
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.
SCALE: 1" = 30' SHEET OF SHEETS STA. TO STA.

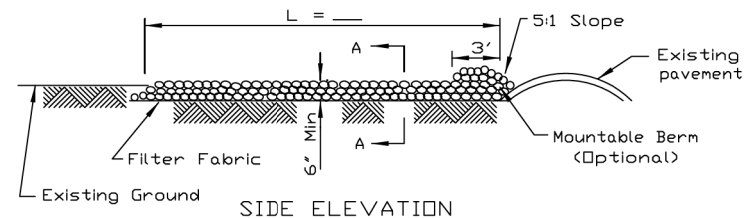
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	47
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W0 4 Contract No. 60Y26\CA00\CA00 Sheets\Civil\60Y26-ent-Erosion Control S-5.dgn

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

NOTES:

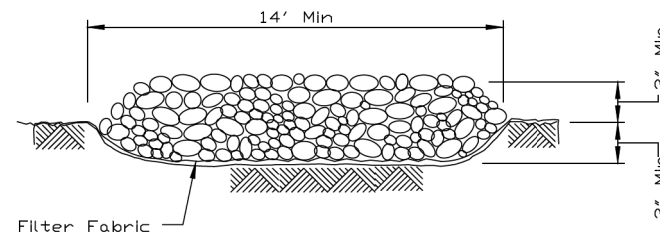
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3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

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

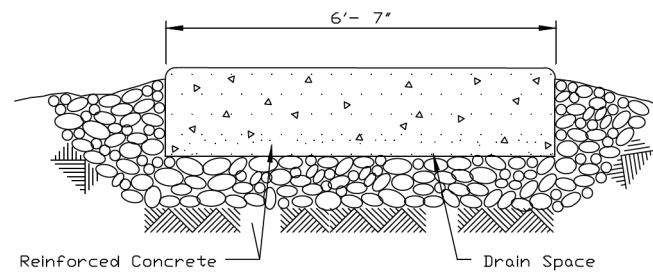


STANDARD DWG. NO.	IL-630
SHEET	1 OF 2
DATE	8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

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



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



USER NAME = johnn	DESIGNED - SAT	REVISED -
PLOT SCALE = 60.0000' / in.	DRAWN - CC	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

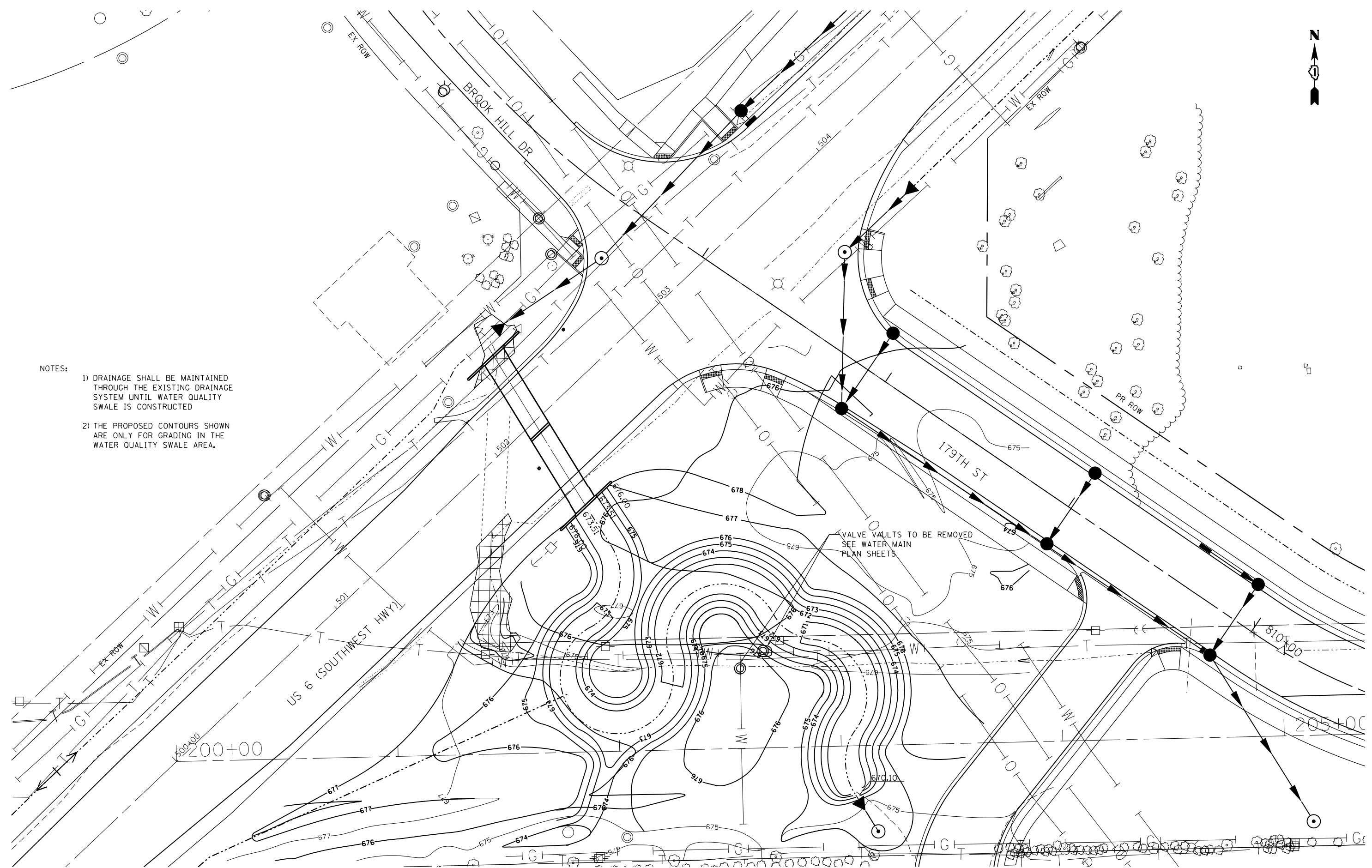
EROSION AND SEDIMENT CONTROL DETAILS
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.
SCALE: 1" = 30' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	48
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



NOTES:

- 1) DRAINAGE SHALL BE MAINTAINED THROUGH THE EXISTING DRAINAGE SYSTEM UNTIL WATER QUALITY SWALE IS CONSTRUCTED
- 2) THE PROPOSED CONTOURS SHOWN ARE ONLY FOR GRADING IN THE WATER QUALITY SWALE AREA.



FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - WD 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-wt-Grading.dgn



USER NAME = johnn	DESIGNED - TGM	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - CC	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

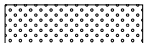

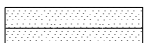




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

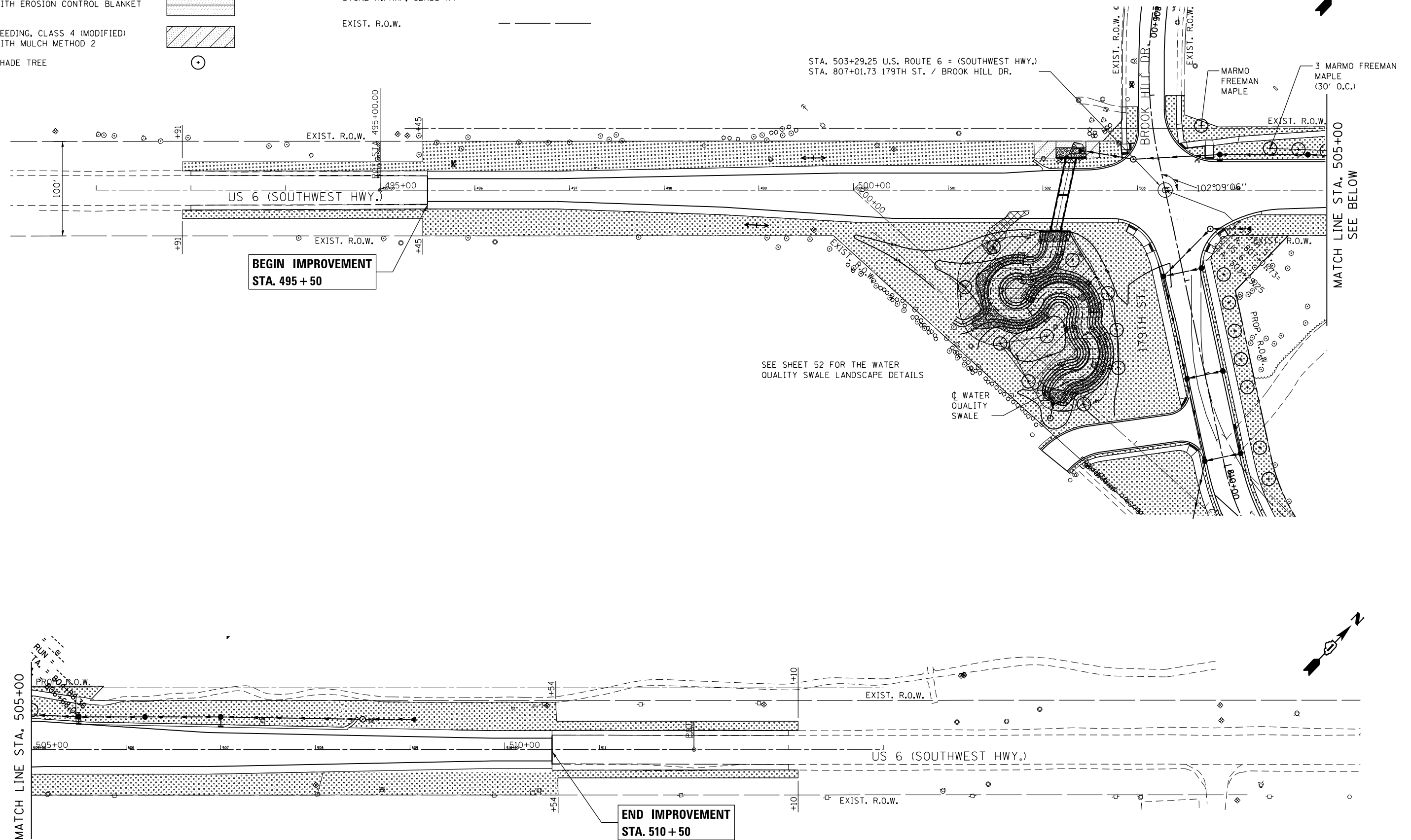
**WATER QUALITY SWALE GRADING PLAN
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.**

F.A.U. RTE. 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 49
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

LANDSCAPING LEGEND

SEEDING, CLASS 2A WITH EROSION CONTROL BLANKET		SELECTIVE MOWING STAKE WITH PRAIRIE PLANT SIGN	
SEEDING, CLASS 4B (MODIFIED) WITH EROSION CONTROL BLANKET		STONE RIPRAP, CLASS A4	
SEEDING, CLASS 4 (MODIFIED) WITH MULCH METHOD 2		EXIST. R.O.W.	
SHADE TREE			



FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\160Y26-plt-Landscape US6.dgn

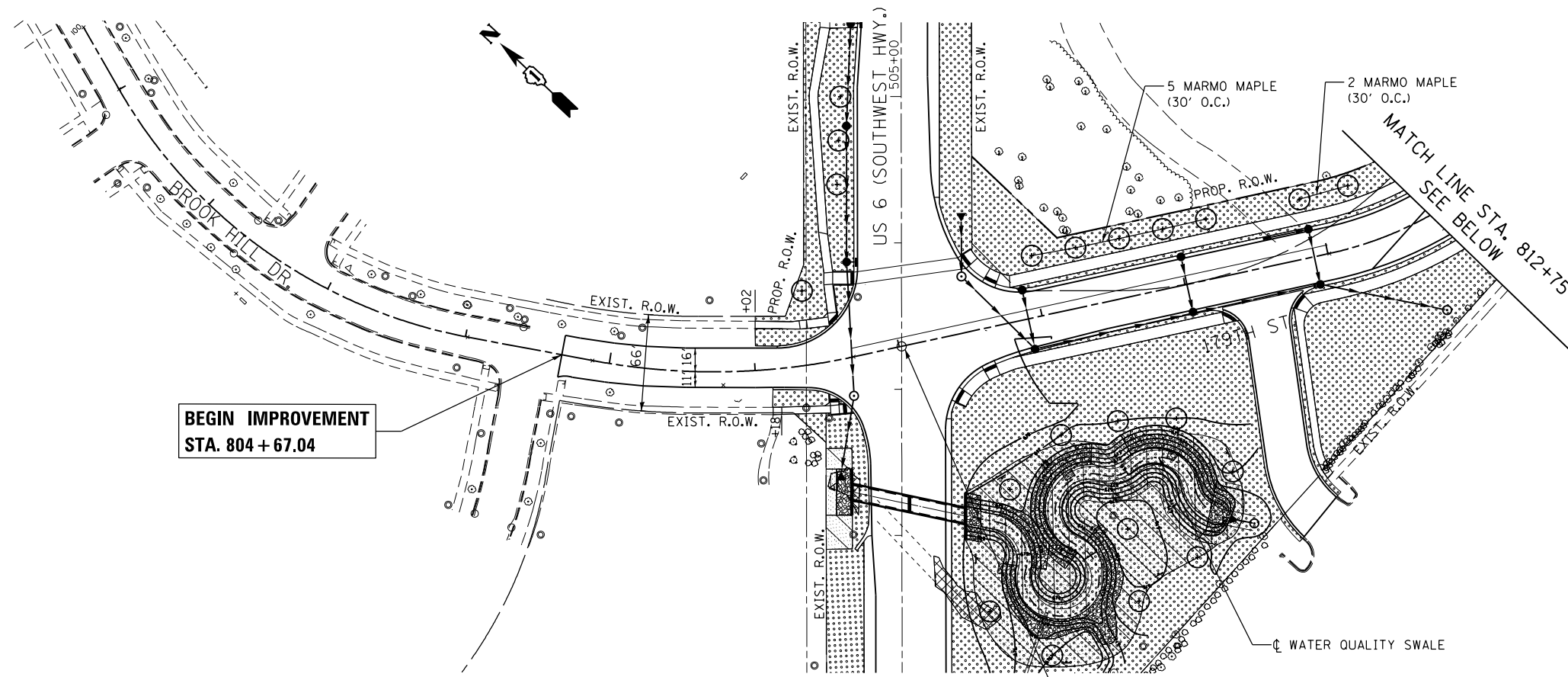


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DRAWN - JN	REVISOR -	
PLOT SCALE = 100.0000' / 1" =	CHECKED - TGM	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

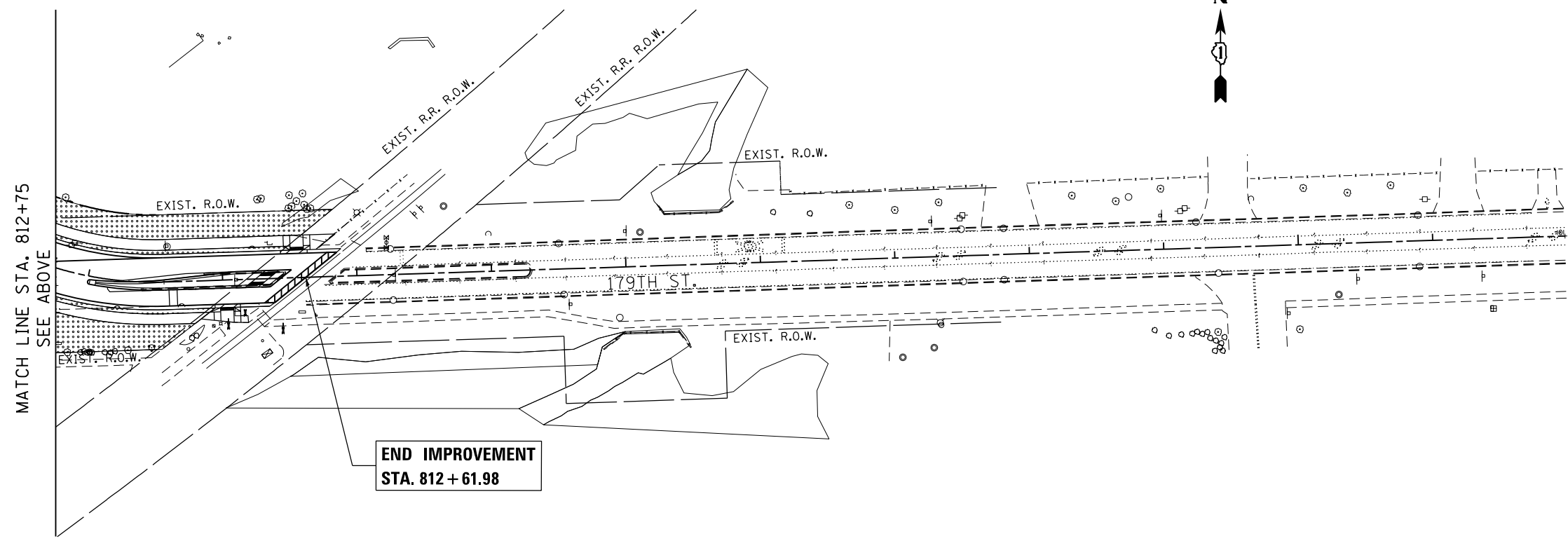
**US 6 LANDSCAPING PLAN
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.**
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N14)	COOK	151	50
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



LANDSCAPING LEGEND

SEEDING, CLASS 2A WITH EROSION CONTROL BLANKET	
SEEDING, CLASS 4B (MODIFIED) WITH EROSION CONTROL BLANKET	
SEEDING, CLASS 4 (MODIFIED) WITH MULCH METHOD 2	
SHADE TREE	
SELECTIVE MOWING STAKE WITH PRAIRIE PLANT SIGN	
STONE RIPRAP, CLASS A4	
EXIST. R.O.W.	



FILE NAME = O:\Engineering\LiveProjects\3003 IDOT DUR\3003d - W0 4 Contract No. 60Y26\CADD\CADD Sheets\C:\1\160Y26-nt-Landscape 179TH.dgn



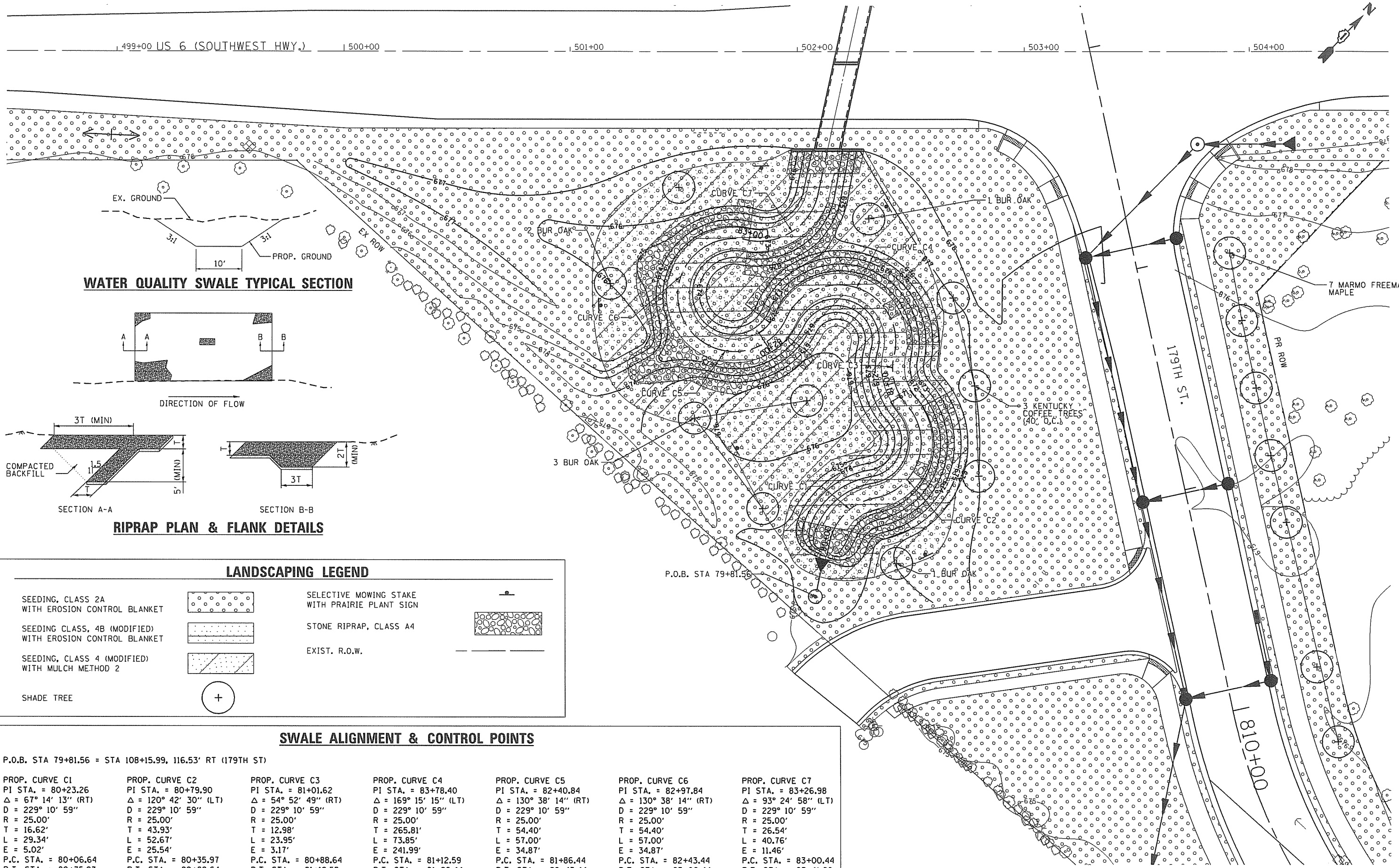
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DRAWN - JN	REVISOR -	
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PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

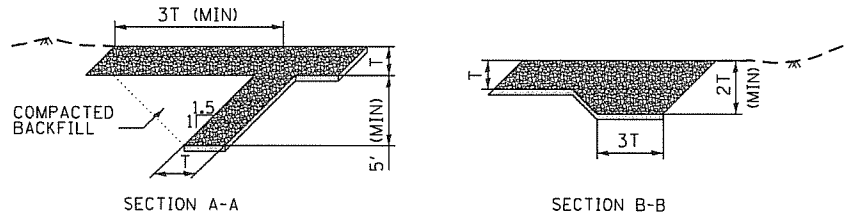
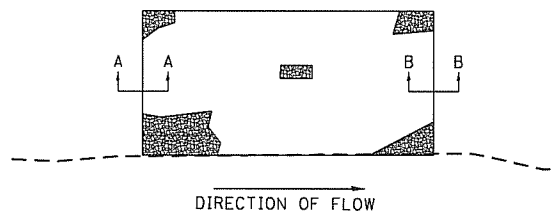
179TH ST./BROOK HILL DR. LANDSCAPING PLAN
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	51
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



WATER QUALITY SWALE TYPICAL SECTION



RIPRAP PLAN & FLANK DETAILS

LANDSCAPING LEGEND

SEEDING, CLASS 2A WITH EROSION CONTROL BLANKET		SELECTIVE MOWING STAKE WITH PRAIRIE PLANT SIGN	
SEEDING CLASS, 4B (MODIFIED) WITH EROSION CONTROL BLANKET		STONE RIPRAP, CLASS A4	
SEEDING, CLASS 4 (MODIFIED) WITH MULCH METHOD 2		EXIST. R.O.W.	
SHADE TREE			

SWALE ALIGNMENT & CONTROL POINTS

P.O.B. STA 79+81.56 = STA 108+15.99, 116.53' RT (179TH ST)

PROP. CURVE C1	PROP. CURVE C2	PROP. CURVE C3	PROP. CURVE C4	PROP. CURVE C5	PROP. CURVE C6	PROP. CURVE C7
PI STA. = 80+23.26	PI STA. = 80+79.90	PI STA. = 81+01.62	PI STA. = 83+78.40	PI STA. = 82+40.84	PI STA. = 82+97.84	PI STA. = 83+26.98
Δ = 67° 14' 13" (RT)	Δ = 120° 42' 30" (LT)	Δ = 54° 52' 49" (RT)	Δ = 169° 15' 15" (LT)	Δ = 130° 38' 14" (RT)	Δ = 130° 38' 14" (RT)	Δ = 93° 24' 58" (LT)
D = 229° 10' 59"	D = 229° 10' 59"	D = 229° 10' 59"	D = 229° 10' 59"	D = 229° 10' 59"	D = 229° 10' 59"	D = 229° 10' 59"
R = 25.00'	R = 25.00'	R = 25.00'	R = 25.00'	R = 25.00'	R = 25.00'	R = 25.00'
T = 16.62'	T = 43.93'	T = 12.98'	T = 265.81'	T = 54.40'	T = 54.40'	T = 26.54'
L = 29.34'	L = 52.67'	L = 23.95'	L = 73.85'	L = 57.00'	L = 57.00'	L = 40.76'
E = 5.02'	E = 25.54'	E = 3.17'	E = 241.99'	E = 34.87'	E = 34.87'	E = 11.46'
P.C. STA. = 80+06.64	P.C. STA. = 80+35.97	P.C. STA. = 80+88.64	P.C. STA. = 81+12.59	P.C. STA. = 81+86.44	P.C. STA. = 82+43.44	P.C. STA. = 83+00.44
P.T. STA. = 80+35.97	P.T. STA. = 80+88.64	P.T. STA. = 81+12.59	P.T. STA. = 81+86.44	P.T. STA. = 82+43.44	P.T. STA. = 83+00.44	P.T. STA. = 83+41.20

FILE NAME = G:\Engineering\Live\Projects\13003\DOT\BUN\13003a - WD - Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-shr-Swale-Detail.dwg



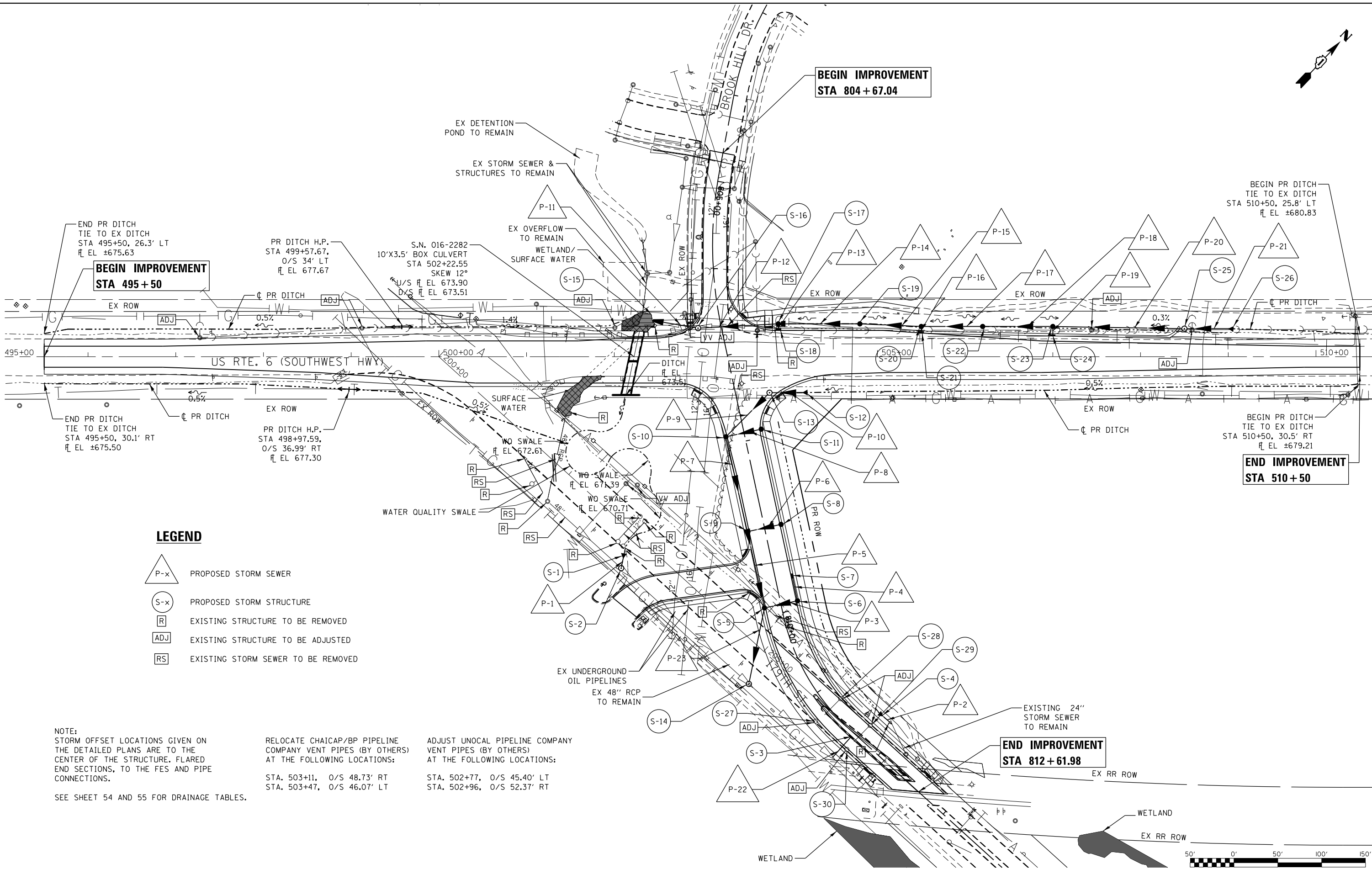
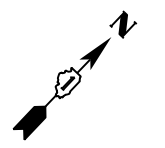
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PLOT SCALE = 40,0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 2/2/2018	CHECKED - TGM	REVISED -
	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER QUALITY SWALE ALIGNMENT & LANDSCAPING PLAN
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.**

F.A.U. RTE. 0297	SECTION 3178C-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 52
CONTRACT NO. 60Y26				
[ILLINOIS] FED. AID PROJECT				

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.



**BEGIN IMPROVEMENT
STA 495 + 50**

**BEGIN IMPROVEMENT
STA 804 + 67.04**

**BEGIN PR DITCH
TIE TO EX DITCH
STA 510+50, 25.8' LT
FL EL #680.83**

**END IMPROVEMENT
STA 510 + 50**

**END IMPROVEMENT
STA 812 + 61.98**

LEGEND

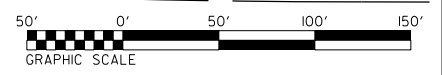
- P-x PROPOSED STORM SEWER
- S-x PROPOSED STORM STRUCTURE
- R EXISTING STRUCTURE TO BE REMOVED
- ADJ EXISTING STRUCTURE TO BE ADJUSTED
- RS EXISTING STORM SEWER TO BE REMOVED

NOTE:
STORM OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE CENTER OF THE STRUCTURE. FLARED END SECTIONS, TO THE FES AND PIPE CONNECTIONS.

RELOCATE CHAICAP/BP PIPELINE COMPANY VENT PIPES (BY OTHERS) AT THE FOLLOWING LOCATIONS:
STA. 503+11, O/S 48.73' RT
STA. 503+47, O/S 46.07' LT

ADJUST UNOCAL PIPELINE COMPANY VENT PIPES (BY OTHERS) AT THE FOLLOWING LOCATIONS:
STA. 502+77, O/S 45.40' LT
STA. 502+96, O/S 52.37' RT

SEE SHEET 54 AND 55 FOR DRAINAGE TABLES.



USER NAME = jent	DESIGNED - JMT	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 3/9/2018	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES PLAN
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOKHILL DR.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 0297	SECTION 31780-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 53
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\160Y26-ent-draw.dgn

STORM SEWER STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	OFFSET (FT)	STRUCTURE TYPE				FRAME & GRATE	INVERT ELEVATION	RIM ELEVATION
			MH	CB	IN	OTHER			
S-1	809+01.67	164.9' RT				FES EQ. 48"	PIPE GRATE	INV 670.10	
** S-2	809+11.79	169.4' RT	7' A				8	INV 667.10 (NW) INV 666.04 (E)**	674.60
S-3	811+63.04	5.5' RT			A		24	INV 671.59	675.43
S-4	811+74.63	36.6' LT				FES 24"		INV 673.00	
S-5	809+90.52	19.3' RT	4' A				24	INV 671.27 (N) INV 673.13 (NW) INV 671.26 (SE)	677.01
* S-6	809+90.50	19.3' LT		4' A			24	INV 671.45 (NW) INV 671.44 (S)	675.47
S-7	809+61.68	19.3' LT			A		24	INV 671.58	675.58
S-8	809+01.39	19.3' LT		C			24	INV 672.60 (NE)	676.60
S-9	809+01.41	19.3' RT	4' A				24	INV 672.43 (NE) INV 673.28 (SE) INV 673.29 (NW)	676.60
* S-10	807+90.51	21.1' RT	4' A				24	INV 674.05 (N) INV 673.53 (NE) INV 673.52 (SE)	677.69
S-11	807+90.50	20.1' LT		C			24	INV 673.71	677.71
S-12	504+14.36	40.9' RT				FES 18"		INV 676.23	
S-13	503+76.97	41.0' RT	4' A				1	INV 674.49 (E) INV 674.42 (S)	679.10
S-14	810+57.80	62.9' RT	8' A				1	INV 671.11 (N) INV 665.91 (NW)** INV 665.91 (SE)**	675.50
S-15	502+43.87	41.4' LT				FES EQ. 36"	PIPE GRATE	INV 674.00	
* S-16	502+95.50	32.6' LT	6' A				1	INV 674.13 (W) INV 674.14 (E)	679.71
S-17	503+87.00	37.5' LT	7' A				8	INV 674.37 (E) INV 675.36 (SE) INV 674.37 (W)	680.10
S-18	503+87.00	31.0' LT			A		24	INV 675.42	679.50
S-19	504+80.00	37.5' LT	6' A				8	INV 674.59 (NW) INV 674.59 (NE)	680.10
S-20	505+50.00	34.5' LT	7' A				8	INV 674.77 (NW) INV 674.77 (NE) INV 676.08 (SE)	680.00
S-21	505+50.00	27.5' LT			A		24	INV. 676.14	680.14
S-22	506+20.00	34.5' LT	6' A				8	INV 674.94 (NW) INV 674.94 (NE)	679.50
* S-23	507+00.00	34.5' LT	7' A				8	INV 676.44 (SE) INV 675.14 (NE) INV 675.14 (NW)	679.19
S-24	507+00.00	24.5' LT			A		24	INV 676.53	680.79
* S-25	508+50.00	32.0' LT	6' A				1	INV 675.52 (NW) INV 675.60 (NE)	680.77
S-26	509+00.00	32.0' LT				FES EQ. 36"	PIPE GRATE	INV 678.26	

* FLAT SLAB TOP
** VERIFY EXISTING ELEVATION

STORM SEWER PIPE SCHEDULE

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	DESCRIPTION	DIA (INCH)	LENGTH (FT)	SLOPE %	T. B. F. (CU YD)
P-1	1	2	SS TYPE 1 CLASS A RCP	48 EQ.	10	30.0	3
P-2	4	EX 24"	SS TYPE 1 CLASS A RCP	24	13	8.5	2
P-3	6	5	SS TYPE 2 CLASS A RCP	12	37	0.46	14
P-4	7	6	SS TYPE 1 CLASS A RCP	12	28	0.46	4
P-5	9	5	SS TYPE 1 CLASS A RCP	24	88	0.17	10
P-6	8	9	SS TYPE 1 CLASS A RCP	12	38	0.45	5
P-7	10	9	SS TYPE 1 CLASS A RCP	21	109	0.21	30
P-8	11	10	SS TYPE 1 CLASS A RCP	12	40	0.45	5
P-9	13	10	SS (WATERMAIN REQUIREMENTS)	21	69	0.54	23
P-10	12	13	SS (WATERMAIN REQUIREMENTS)	18	37	4.70	4
P-11	16	15	SS (WATERMAIN REQUIREMENTS)	36 EQ	55	0.25	16
P-12	17	16	SS (WATERMAIN REQUIREMENTS)	36 EQ	85	0.26	68
P-13	18	17	SS TYPE 1 CLASS A RCP	12	5	1.20	1
P-14	19	17	SS TYPE 1 CLASS A RCP	36 EQ	90	0.24	69
P-15	20	19	SS TYPE 1 CLASS A RCP	36 EQ	67	0.27	69
P-16	21	20	SS (WATERMAIN REQUIREMENTS)	12	5	1.20	2
P-17	22	20	SS TYPE 1 CLASS A RCP	36 EQ	67	0.25	16
P-18	23	22	SS TYPE 1 CLASS A RCP	36 EQ	77	0.26	13
P-19	24	23	SS TYPE 1 CLASS A RCP	12	8	1.13	2
P-20	25	23	SS TYPE 1 CLASS A RCP	36 EQ	147	0.26	66
P-21	26	25	SS (WATERMAIN REQUIREMENTS)	36 EQ	49	5.43	8
P-22	3	EX	SS TYPE 1 CLASS A RCP	12	31	11.00	4
P-23	5	14	SS TYPE 1 CLASS A RCP	24	86	0.17	30
TOTAL							464

DRAINAGE STRUCTURE ADJUSTMENT SCHEDULE

STRUCTURE NO.	STATION	OFFSET (FT)	STRUCTURE TYPE	FRAME & GRATE	INVERT ELEVATION	PR RIM ELEVATION
S-27	811+23.68	21.4' RT	INLET	24	EXISTING	675.63
S-28	811+22.58	16.8' LT	INLET	24	EXISTING	675.23
S-29	811+70.45	19.1' LT	INLET	24	EXISTING	675.14
S-30	811+68.98	19.1' RT	INLET	24	EXISTING	675.25

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\160Y26-Shr-Drain02.dwg



USER NAME = johnn	DESIGNED - JMT	REVISED -
	DRAWN - CC	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - TM	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE TABLES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RT# 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 54
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE REMOVAL SCHEDULE

STATION	OFFSET (LT/RT)	INLETS	CATCH BASINS	MANHOLES	FLARED END SECTIONS
500+98.00	115.6' RT	1			
501+06.13	144.9' RT		1		
501+23.99	164.84' RT			1	
501+45.19	65.1' RT			1	
502+04.00	210.7' RT	1			
502+10.00	216' RT	1			
502+29.34	182' RT	1			
502+35.00	187.6' RT	1			
502+48.71	36' LT				1
503+81.31	34.3' LT				1
809+71.04	31.3' RT				1
810+17.18	0.9' LT				1
811+87.80	36.8' LT				1
TOTAL		5	1	2	5

DRAINAGE STRUCTURE ADJUSTMENT SCHEDULE

STATION	OFFSET (LT/RT)	SANITARY MANHOLES	VALVE VAULTS	INLETS W/ TY 1 FRAME OPEN LID
497+27.53	21.74' LT	1		
499+12.00	32.7' LT	1		
501+13.40	144.63' RT		1	
502+00.00	33' LT	1		
502+26.30	146.24' RT		1	
502+80.23	49.6' LT		1	
502+87.34	65.2' LT		1	
503+63.00	30' LT	1		
507+44.36	30.5' LT	1		
508+58.88	30.7' LT	1		
808+81.40	166.5' RT			1
808+87.74	162' RT			1
811+23.68	21.4' RT			1
811+68.98	19.1' RT			1
TOTAL		6	4	4

STORM SEWER PIPE REMOVAL SCHEDULE

STATION	OFFSET (LT/RT)	STATION	OFFSET (LT/RT)	SS 12" (FT)	SS 48" (FT)	PIPE CULVERT (FT)
500+98.00	115.4' RT	501+23.98	164.8' RT	55.7		
501+06.00	143.4' RT	501+10.96	143.4' RT	4.0		
501+23.98	164.8' RT	502+08.96	241.3' RT		102.0	
501+45.60	115.4' RT	501+23.98	164.8' RT		114.3	
502+04.32	210.7' RT	502+29.34	182' RT	38.0		
502+10.00	215.9' RT	502+35.00	187.6' RT	38.0		
502+48.71	36' LT	503+81.31				133
503+35.00	36.5' RT	503+47.00				13
809+71.04	31.3' RT	810+14.14	0.9' RT			53
TOTAL				136	217	199

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-Shr-Drain05.dgn



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	DRAWN - CC	REVISED -
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PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

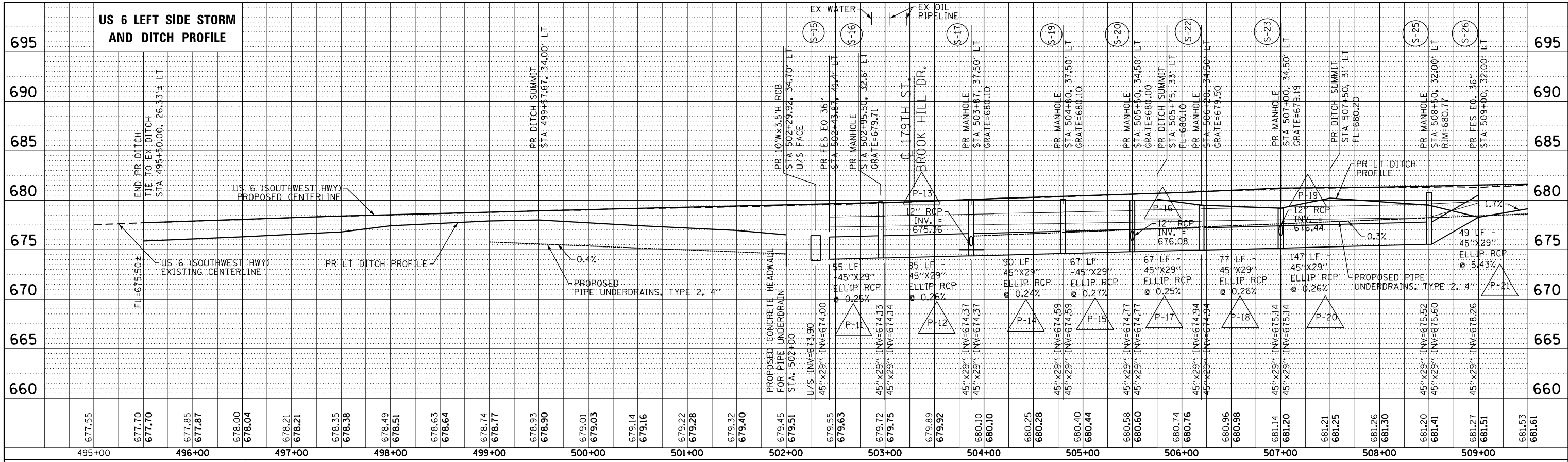
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE TABLES
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.**

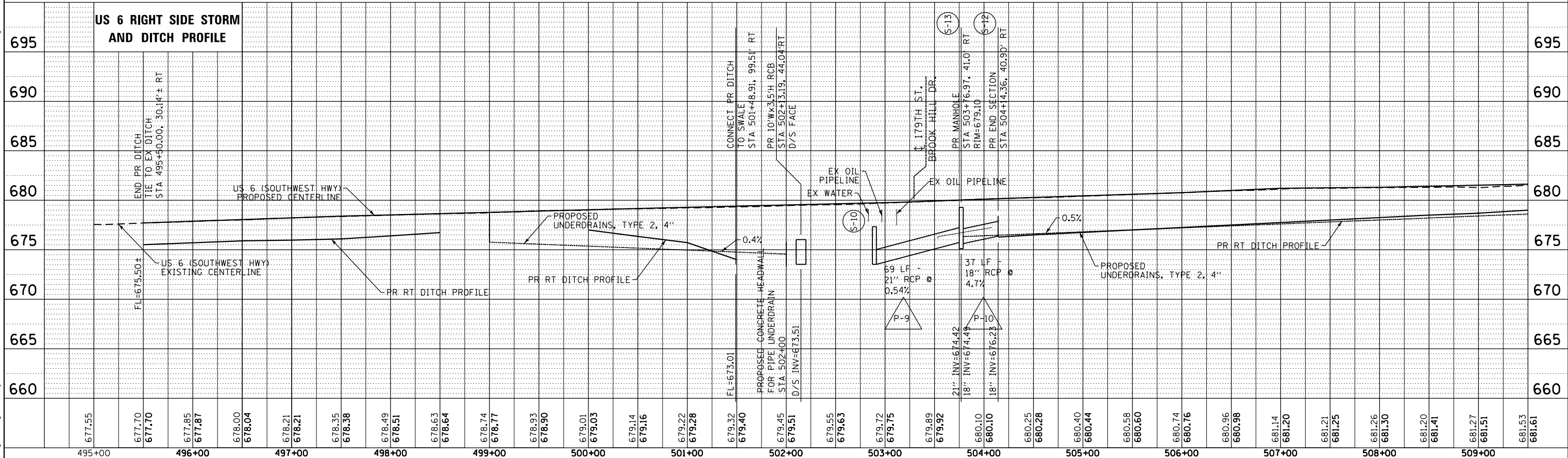
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	55
			CONTRACT NO. 60Y26	
ILLINOIS FED. AID PROJECT				

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



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



SCALE: HORZ 1"=5'
VERT. 1"=5'



USER NAME = johnn	DESIGNED - AB	REVISED -
PLLOT SCALE = 100.0000' / in.	DRAWN - CC	REVISED -
PLLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

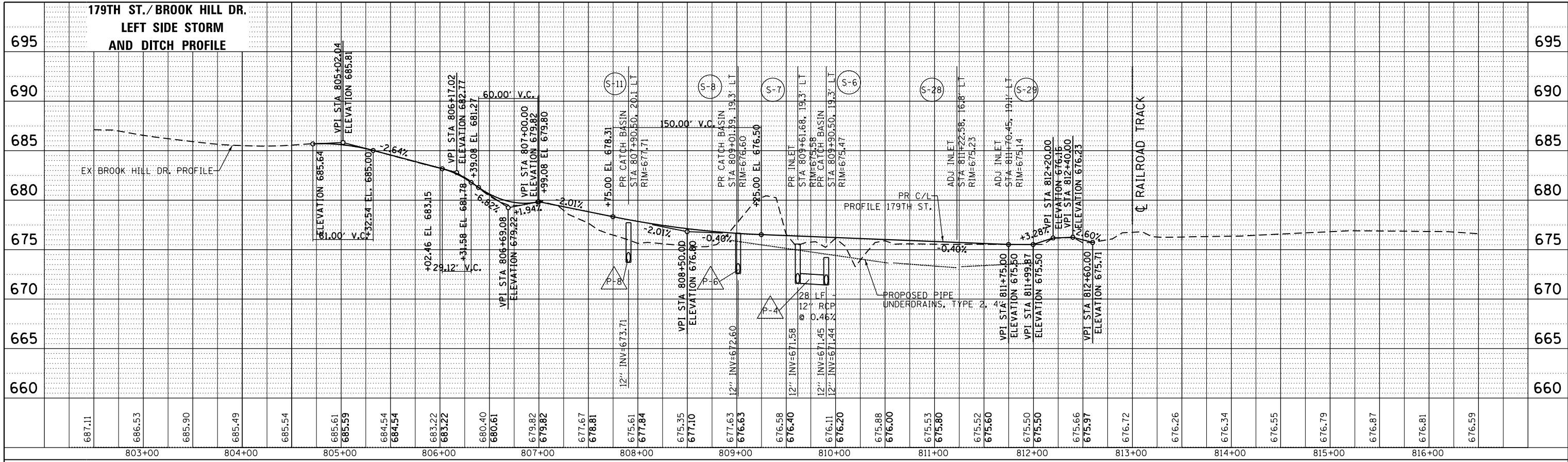
PROPOSED DRAINAGE PROFILE
US 6 (SOUTHWEST HWY.)

SCALE: SHEET OF SHEETS STA. TO STA.

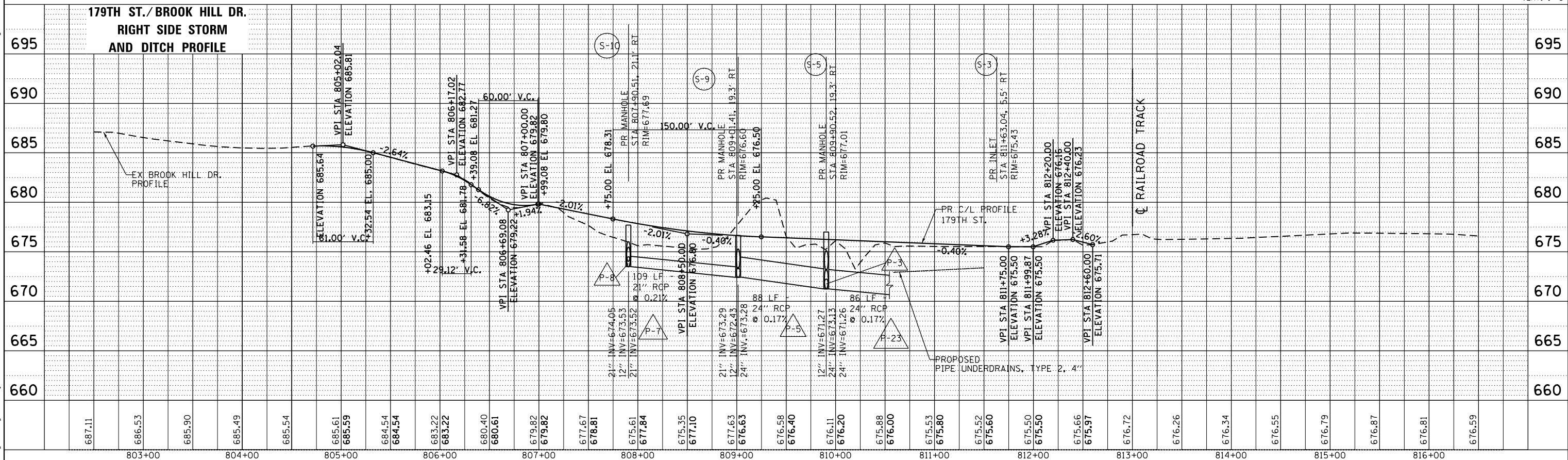
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	56
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

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



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



SCALE: HORZ 1"=5'
VERT. 1"=5'



USER NAME = johnn	DESIGNED - JMT	REVISED -
	DRAWN - CC	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PROFILE
179TH ST./BROOK HILL DR.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	57
CONTRACT NO. 60Y26				

ILLINOIS FED. AID PROJECT

WATER MAIN SPECIFICATIONS & GENERAL NOTES

THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED BY SAID DEPARTMENT ON APRIL 1, 2016 THE "STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (LATEST REVISION), "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" (LATEST REVISION), AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS (LATEST REVISIONS), SHALL GOVERN CONSTRUCTION OF THIS PROJECT.

IN ADDITION THE FOLLOWING SPECIAL PROVISIONS SUPPLEMENT THE SAID SPECIFICATIONS, AND IN CASE OF CONFLICT WITH ANY PART OR PARTS OF SAID SPECIFICATIONS, THESE SPECIAL PROVISIONS SHALL TAKE PRECEDENCE AND SHALL GOVERN.

1. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL PERMITS INCLUDING MUNICIPAL, IDOT, AND COOK COUNTY PERMITS.
3. CONSTRUCTION OBSERVATION. ALL WATER MAIN IMPROVEMENTS SHALL BE SUBJECT TO INSPECTION BY A DULY AUTHORIZED AND QUALIFIED VILLAGE/IDOT INSPECTOR BOTH DURING THE COURSE OF CONSTRUCTION AND AFTER CONSTRUCTION IS COMPLETE. THE CONTRACTOR SHALL PROVIDE FOR REASONABLE TESTS AND PROOF OF QUALITY OF MATERIALS AS REQUESTED BY THE INSPECTOR. INSPECTOR SHALL HAVE FORTY-EIGHT (48) HOURS NOTICE PRIOR TO CONSTRUCTION.
 - A. TO VISIT THE CONSTRUCTION SITE IN ORDER TO BETTER CARRY OUT THE DUTIES AND RESPONSIBILITIES ASSIGNED BY THE VILLAGE AND UNDERTAKEN BY THE INSPECTOR;
 - B. THE INSPECTOR SHALL NOT, DURING SUCH VISITS OR AS A RESULT OF SUCH OBSERVATIONS OF THE CONTRACTOR'S WORK IN PROGRESS, SUPERVISE, DIRECT, NOR SHALL THE INSPECTOR HAVE THE AUTHORITY OVER THE RESPONSIBILITY FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR, FOR SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL TO THE WORK OF THE CONTRACTOR, OR FOR ANY FAILURE OF THE CONTRACTOR TO COMPLY WITH LAWS, RULES, REGULATIONS, ORDINANCES, CODES OR ORDERS APPLICABLE TO THE CONTRACTOR FURNISHING AND PERFORMING HIS WORK. ACCORDINGLY, THE INSPECTOR CAN NEITHER GUARANTEE THE PERFORMANCE OF THE CONSTRUCTION CONTRACTS BY THE CONTRACTOR NOR ASSUME RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO FURNISH AND PERFORM HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. CONTRACTOR SHALL PROVIDE INSURANCE COVERAGE AS PER ARTICLE 107.23 OF THE STANDARD SPECIFICATIONS. THE POLICY OF INSURANCE SHALL INCLUDE THE VILLAGE OF ORLAND PARK, ITS AGENTS, AND THE VILLAGE'S ENGINEERS AS AN ADDITIONAL INSURED OR PROVIDE SEPARATE COVERAGE WITH AN OWNER'S PROTECTIVE POLICY, AS PER THE AMOUNTS STATED IN THE STANDARD SPECIFICATIONS. NO WORK SHALL BEGIN UNTIL THE CERTIFICATE OF INSURANCE IS ON FILE WITH THE ENGINEER. ALL COSTS FOR INSURANCE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
5. RUBBISH REMOVAL. CONTRACTOR SHALL MAKE SITE INSPECTION PRIOR TO BIDDING AND SHALL INCLUDE IN PROPOSAL REMOVAL OF STUMPS, BRUSH, BRANCHES, ETC. ALL MATERIAL SHALL BE DISPOSED OF OFF-SITE AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE VILLAGE AND VILLAGE'S ENGINEERS AND THEIR AGENTS AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING FROM THE PERFORMANCE OF THE CONTRACTOR'S WORK. IN ANY AND ALL CLAIMS AGAINST THE VILLAGE OR ITS EMPLOYEES, BY ANY EMPLOYEE OF THE CONTRACTOR, OR ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THE CONTRACTOR, OR ANYONE FOR WHOSE ACTS THE CONTRACTOR MAY BE LIABLE, THE INDEMNIFICATION OBLIGATION SHALL NOT BE LIMITED IN ANY WAY BY ANY LIMITATION ON THE AMOUNT OF DAMAGES, COMPENSATION OR BENEFITS PAYABLE BY OR FOR THE CONTRACTOR UNDER WORKMEN'S COMPENSATION ACTS, DISABILITY BENEFIT ACTS OR OTHER EMPLOYEE BENEFIT ACTS.
7. NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION." PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE LINE AND GRADE STAKES AGAINST THE CONSTRUCTION PLANS. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT THE SAME TO THE ENGINEER BEFORE DOING ANY WORK. OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION RISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
8. INSURANCE. PRIOR TO STARTING WATER MAIN WORK, THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL FILE WITH THE VILLAGE FINANCE DEPARTMENT A CERTIFICATE OF INSURANCE FOR COMPREHENSIVE GENERAL LIABILITY INSURANCE IN THE AMOUNT OF \$500,000 PER ACCIDENT FOR PROPERTY DAMAGE AND \$1,000,000 PER PERSON AND \$3,000,000 AGGREGATE FOR BODILY INJURY, SICKNESS, DISEASE OR DEATH AS PROTECTION FOR ANY AND ALL CLAIMS BY ANYONE, INCLUDING THE CONTRACTOR'S OR EMPLOYEE'S WHICH MAY ARISE OUT OF OR RESULT FROM DEVELOPER'S WORK OR BY ANYONE FOR WHOSE ACTS THE DEVELOPER MAY BE LIABLE. THE INSURANCE POLICY SHOULD NAME THE VILLAGE OF ORLAND PARK, THEIR ENGINEER, THEIR OFFICERS, EMPLOYEES, AGENTS, SEC GROUP, INC. AS ADDITIONAL INSURED. THIS CERTIFICATE SHALL STATE THAT THE COVERAGE WILL NOT BE TERMINATED OR REDUCED WITHOUT 30 DAYS ADVANCE WRITTEN NOTICE TO THE VILLAGE OF ORLAND PARK.

9. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS STATED IN THE IDOT CONSTRUCTION CONTRACT AND THE IEPA WATER MAIN CONSTRUCTION PERMIT.
10. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST HIGHWAY STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
11. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.
12. THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGGERS, PAVEMENT STRIPING AND OTHER TRAFFIC CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC. PROPER PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF SECTION 701 OF THE STANDARD SPECIFICATIONS, THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE HIGHWAY STANDARDS.

DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL ABUTTING PROPERTIES, EXCEPT FOR PERIODS OF SHORT DURATION AS APPROVED OF BY THE ENGINEER. ANY ACCESS CLOSURES SHALL ONLY TAKE PLACE BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M.
13. ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR AN APPROVED FLUORESCENT VEST AT ALL TIMES WHILE WITHIN OR ADJACENT TO IDOT AND VILLAGE ROW.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF PAVED SURFACES DAILY WITHIN IDOT AND VILLAGE ROW CAUSED BY THE CONTRACTOR.
15. ALL UNBALLASTED TYPE I AND TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ON THE BOTTOM RAIL.
16. TREE REMOVAL - UTILITY RELOCATION. TREE REMOVAL MAY BE NECESSARY PRIOR TO UTILITY COMPANIES BEING ABLE TO RELOCATE THEIR FACILITIES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHOULD COORDINATE ANY CONTRACT TREE REMOVAL ACTIVITIES WITH THE UTILITY COMPANIES TO ELIMINATE COMPLETE AND POTENTIAL DELAYS CAUSED BY UTILITY TREE REMOVAL ACTIVITIES OR INCOMPLETE UTILITY RELOCATIONS.
17. WINTER SHUTDOWN RESTRICTIONS ON COLD MILLED PROJECTS. PRIOR TO WINTER SHUTDOWN THE FOLLOWING STEPS SHALL BE TAKEN.

ALL COLD MILLED SURFACES SHALL BE OVERLAID.

ALL LANES SHALL BE REOPENED TO TRAFFIC.

MANHOLES, WHERE APPLICABLE, SHALL BE ADJUSTED TO THE ELEVATION OF THE BINDER COURSE/LEVELING BINDER TO EASE IN PLOWING SNOW, AND RE-ADJUSTED TO FINISH GRADE IN THE SPRING. THE INITIAL MANHOLE ADJUSTMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE AND ANY READJUSTMENT, AS DIRECTED BY THE ENGINEER, WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.

TEMPORARY OR PERMANENT MARKING SHALL BE PLACED AS APPLICABLE.
18. ANY FIELD TILE INTERCEPTED AND WATERWAYS DISTURBED DURING CONSTRUCTION WILL BE REPLACED OR REPAIRED. ALL EXISTING ENTRANCES WILL BE REPLACED AT THEIR PRESENT LOCATIONS UNLESS OTHERWISE NOTED IN THESE CONSTRUCTION DOCUMENTS.
19. TYPE I FRAME AND CLOSED LID SHALL BE EJ (EAST JORDAN IRON WORKS) 10502I FRAME AND 1020A COVER PER VILLAGE STANDARD.
20. **WATER MAIN**
ALL WATER MAIN MATERIALS SHALL COMPLY WITH VILLAGE OF ORLAND PARK LAND DEVELOPMENT CODE SECTION 6-410.

WATER MAIN QUANTITIES			
NO.	DESCRIPTION	UNIT	QTY
1	TRENCH BACKFILL	CU YD	30
2	TEMPORARY EROSION CONTROL SEEDING	POUND	20
3	EROSION CONTROL BLANKET	SO YD	450
4	PERIMETER EROSION BARRIER	FOOT	310
5	INLET FILTERS	EACH	6
6	PAVEMENT REMOVAL	SO YD	183
7	CLASS D PATCHES, TYPE IV, 6 INCH	SO YD	183
8	POTHOLING	EACH	10
9	DUCTILE IRON WATER MAIN 6"	FOOT	60
10	DUCTILE IRON WATER MAIN 8"	FOOT	40
11	DUCTILE IRON WATER MAIN 16"	FOOT	325
12	STEEL CASING, 30"	FOOT	83
13	WATER VALVES 8" AND VAULT, TYPE A, 5'-DIAMETER	EACH	1
14	BUTTERFLY VALVES 16" AND VAULT, TYPE A, 6'-DIAMETER	EACH	1
15	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1
16	CONNECTION TO EXISTING WATER MAIN, 8"	EACH	1
17	CONNECTION TO EXISTING WATER MAIN 16"	EACH	2
18	CUT AND CAP EXISTING 8" WATER MAIN	EACH	1
19	CUT AND CAP EXISTING 12" WATER MAIN	EACH	1
20	CUT AND CAP EXISTING 16" WATER MAIN	EACH	2
21	VALVE VAULTS TO BE REMOVED	EACH	2
22	ABANDON EXISTING WATER MAIN, FILL WITH CSLM, 8"	FOOT	90
23	ABANDON EXISTING WATER MAIN, FILL WITH CSLM, 16"	FOOT	320
24	GAS/OIL PIPELINE PROTECTION	LSUM	1

WATER MAIN CONSTRUCTION STAGING NOTES

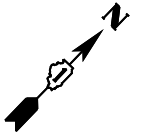
CONSTRUCTION STAGING FOR THE PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR. HOWEVER, STAGING NOTES ARE PROVIDED BELOW WHICH WERE CONSIDERED DURING THE PROJECT'S DESIGN. COORDINATE ALL WATER MAIN TIE-INS AND GENERAL STAGING WITH OWNER:

- A. SHUT DOWN EXISTING MAIN ALONG 179" STREET BY CLOSING VALVES NORTHWEST AND SOUTHEAST OF TIE IN LOCATION. OWNER WILL OPERATE VALVES. CONTACT 48 HOURS PRIOR TO SHUT DOWN. DRAIN EXISTING MAIN. MAKE TWO (2) CONNECTIONS TO EXISTING 16" MAIN AS SHOWN ON PLANS. INSTALL 16" X 16" TEE AND 16" VALVE IN CLOSED POSITION. INSTALL 16" X 12" TEE AND 12" VALVE IN CLOSED POSITION. PRESSURIZE MAIN AND PUT BACK IN SERVICE WITH NEW 16" AND 12" VALVES CLOSED.
- B. CONSTRUCT WATER MAIN AS SHOWN ON PLANS. INSTALL WATER MAIN ALONG THE LENGTH OF THE PROJECT, OR IN SUITABLE SHORTER INCREMENTS, WHILE KEEPING THE EXISTING WATER MAIN IN SERVICE. CONSTRUCT 16" WATER MAIN NORTHWEST ALONG EXISTING 179" STREET UNTIL NEW CONNECTION POINTS ARE REACHED. TEMPORARY PLUGS, BLOWOFFS, AND SLEEVES MAY BE NEEDED FOR PRESSURE TESTING THE NEW MAIN PRIOR TO MAKING INTERCONNECTIONS TO THE EXISTING DISTRIBUTION SYSTEM. TEMPORARY PLUGS, BLOWOFFS, AND SLEEVES ARE CONSIDERED INCIDENTAL AND SHALL BE RETURNED TO THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
- C. SHUT DOWN EXISTING WATER MAIN BY CLOSING VALVES TO ISOLATE WATER MAIN CONSTRUCTION AREA. OWNER WILL OPERATE VALVES. CONTACT 48 HOURS PRIOR TO SHUT DOWN. DRAIN EXISTING MAIN. MAKE CONNECTION TO EXISTING 16" WATER MAIN AT 179" STREET AND US 6 INTERSECTION. MAKE CONNECTION TO EXISTING 8" WATER MAIN AT THE WESTERLY ROW LINE FOR 179TH STREET.
- D. CUT AND CAP EXISTING 16" WATER MAIN AT SOUTHWEST INTERSECTION OF 179" STREET AND US6. CUT AND CAP CORRESPONDING END OF 16" WATER MAIN SOUTHEAST ALONG 179" STREET. CUT AND CAP 8" WATER MAIN ALONG 179TH. ABANDON AND FILL ALL EXISTING MAIN TO BE ABANDONED WITH CLSM.
- E. PRESSURE TEST AND DISINFECT THE NEW MAIN PRIOR TO PUTTING ANY SEGMENT IN SERVICE.

NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO THE CONTRACTOR FOR THE ABOVE REQUIREMENTS. THESE ITEMS SHOULD BE INCLUDED IN THE VARIOUS CONTRACT ITEMS.

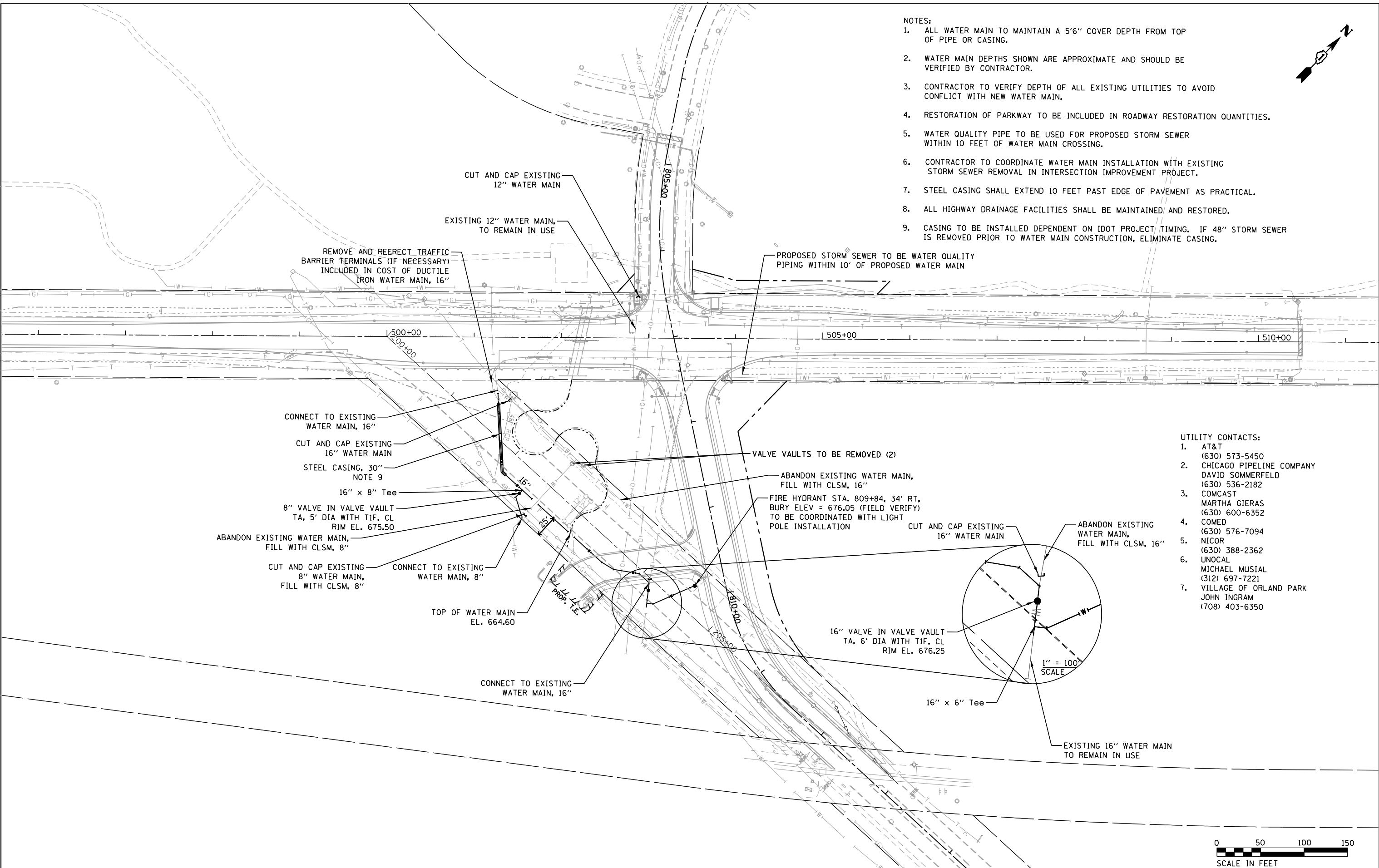
PRIOR TO SHUTTING DOWN ANY SEGMENT OF WATER MAIN, CONTRACTOR SHALL PROVIDE THE VILLAGE OF ORLAND PARK A MINIMUM OF TWO WORKING DAY NOTICE.

SWAB ALL PIPES AND FITTINGS THAT WILL NOT BE PRESSURE TESTED OR CHLORINATED WITH CHLORINE SOLUTION OF AT LEAST 50 MG/L. DURING INSTALLATION, USE EXTRA PRECAUTION TO PREVENT SOIL AND DEBRIS FROM ENTERING THE PIPE. WHEN CONNECTING NEW PIPE TO THE EXISTING WATER SYSTEM, USE SYSTEM OPERATING PRESSURE TO VISUALLY INSPECT FOR LEAKS PRIOR TO BACKFILLING WHEN FEASIBLE.

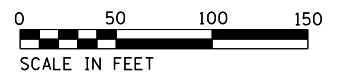


NOTES:

1. ALL WATER MAIN TO MAINTAIN A 5'6" COVER DEPTH FROM TOP OF PIPE OR CASING.
2. WATER MAIN DEPTHS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED BY CONTRACTOR.
3. CONTRACTOR TO VERIFY DEPTH OF ALL EXISTING UTILITIES TO AVOID CONFLICT WITH NEW WATER MAIN.
4. RESTORATION OF PARKWAY TO BE INCLUDED IN ROADWAY RESTORATION QUANTITIES.
5. WATER QUALITY PIPE TO BE USED FOR PROPOSED STORM SEWER WITHIN 10 FEET OF WATER MAIN CROSSING.
6. CONTRACTOR TO COORDINATE WATER MAIN INSTALLATION WITH EXISTING STORM SEWER REMOVAL IN INTERSECTION IMPROVEMENT PROJECT.
7. STEEL CASING SHALL EXTEND 10 FEET PAST EDGE OF PAVEMENT AS PRACTICAL.
8. ALL HIGHWAY DRAINAGE FACILITIES SHALL BE MAINTAINED AND RESTORED.
9. CASING TO BE INSTALLED DEPENDENT ON IDOT PROJECT TIMING. IF 48" STORM SEWER IS REMOVED PRIOR TO WATER MAIN CONSTRUCTION, ELIMINATE CASING.



- UTILITY CONTACTS:**
1. AT&T
(630) 573-5450
 2. CHICAGO PIPELINE COMPANY
DAVID SOMMERFELD
(630) 536-2182
 3. COMCAST
MARTHA GIERAS
(630) 600-6352
 4. COMED
(630) 576-7094
 5. NICOR
(630) 388-2362
 6. UNOCAL
MICHAEL MUSIAL
(312) 697-7221
 7. VILLAGE OF ORLAND PARK
JOHN INGRAM
(708) 403-6350



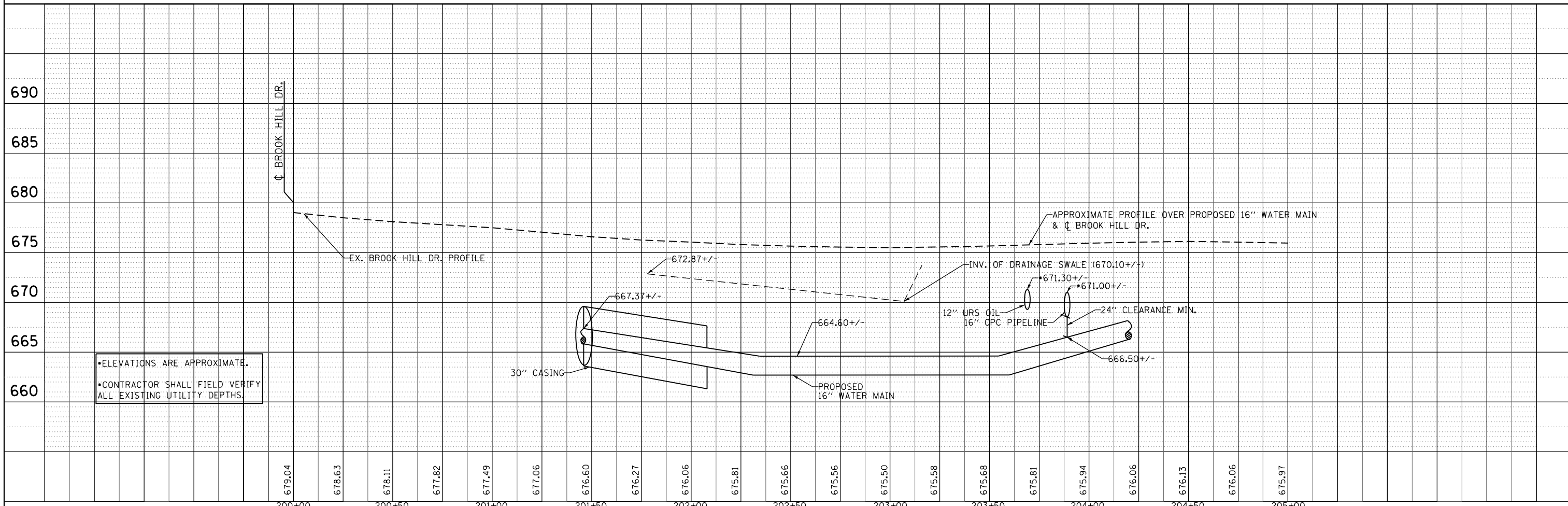
USER NAME = tballah	DESIGNED - TSC	REVISED - 10/18/17: 179th ST. ALIGNMENT CHANGE
FILE NAME = 423_sht-WaterMain.dgn	DRAWN - BNR / TJB	REVISED -
PLOT SCALE =	CHECKED - BAF	REVISED -
PLOT DATE = 3/15/2018	DATE - 7/21/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED WATER MAIN PLAN
US RTE 6 (SOUTHWEST HWY.) AND 179TH ST./BROOKHILL DR.**

F.A.U. RTE. 0297	SECTION NO. 3178G-N14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 59
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 60Y26	

SCALE: 1" = 50' SHEET NO. 2 OF 7 SHEETS STA. TO STA.



•ELEVATIONS ARE APPROXIMATE.
 •CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY DEPTHS.

USER NAME = tballah	DESIGNED - TSC	REVISED -
FILE NAME = 423_sht-WaterMainProfile.dgn	DRAWN - BNR / TJB	REVISED -
PLOT SCALE =	CHECKED - BAF	REVISED -
PLOT DATE = 3/15/2018	DATE - 7/21/2017	REVISED -

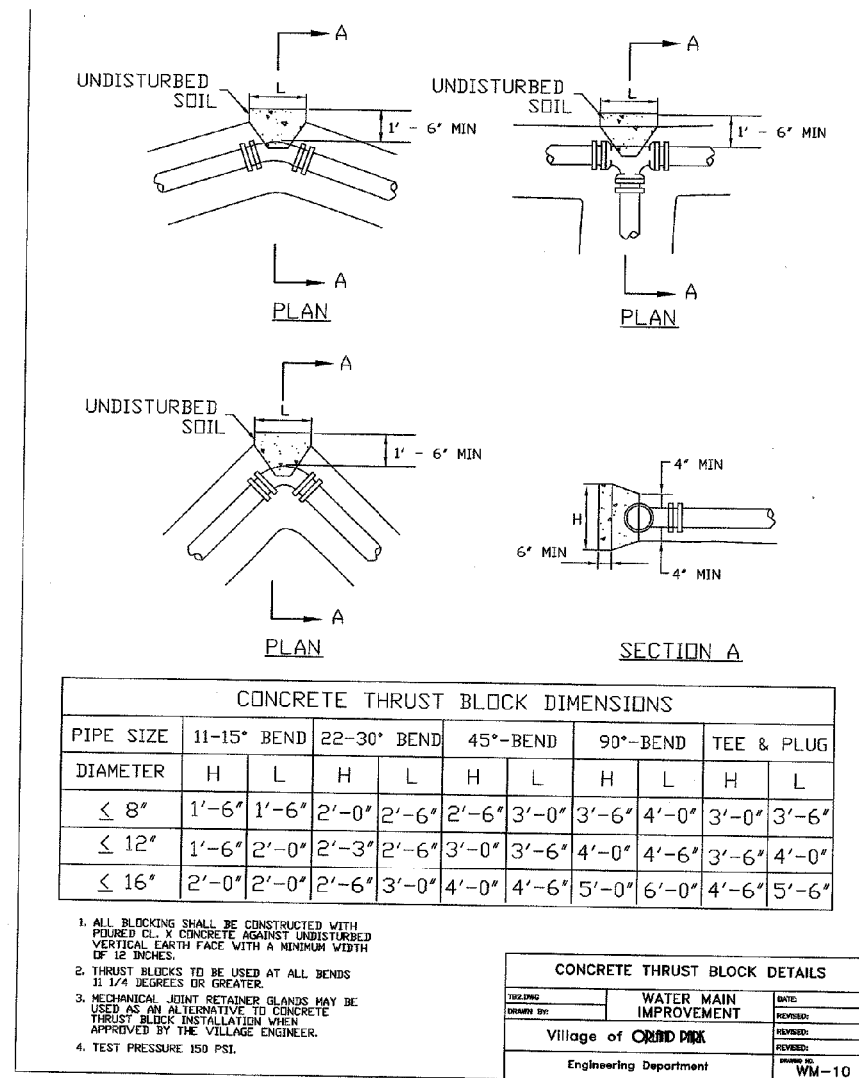
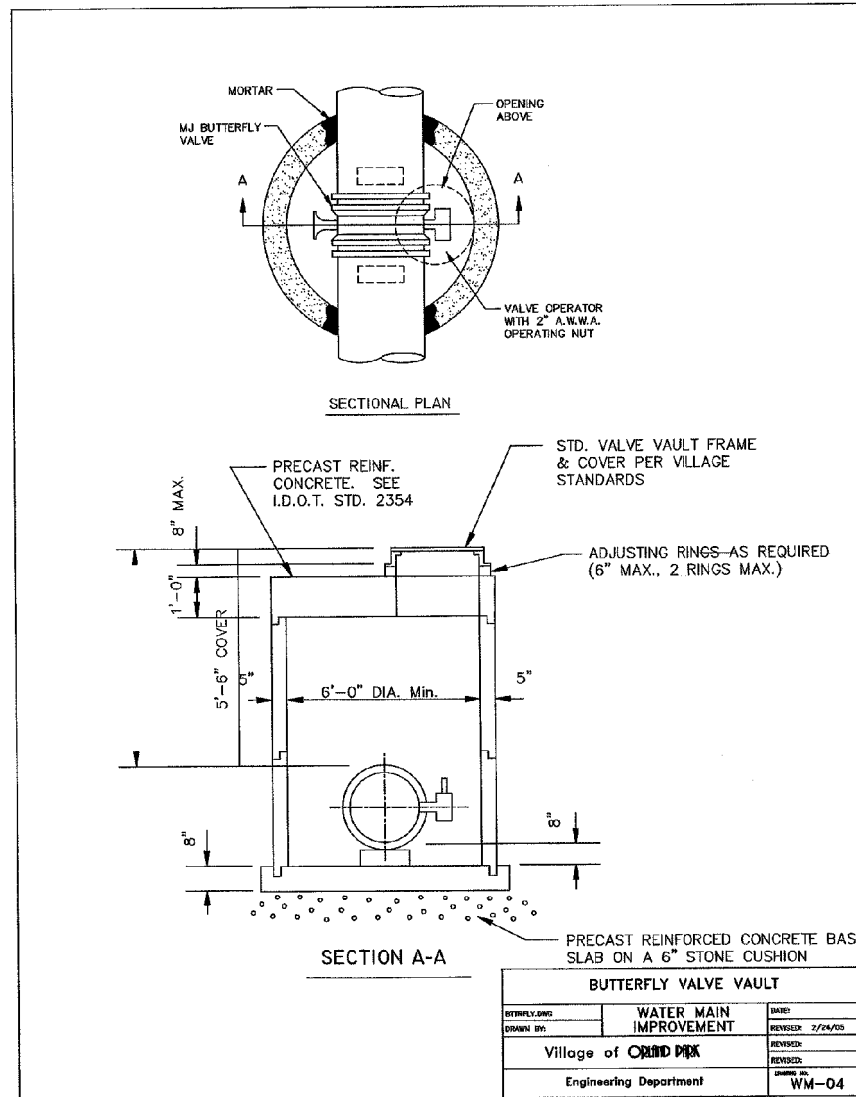
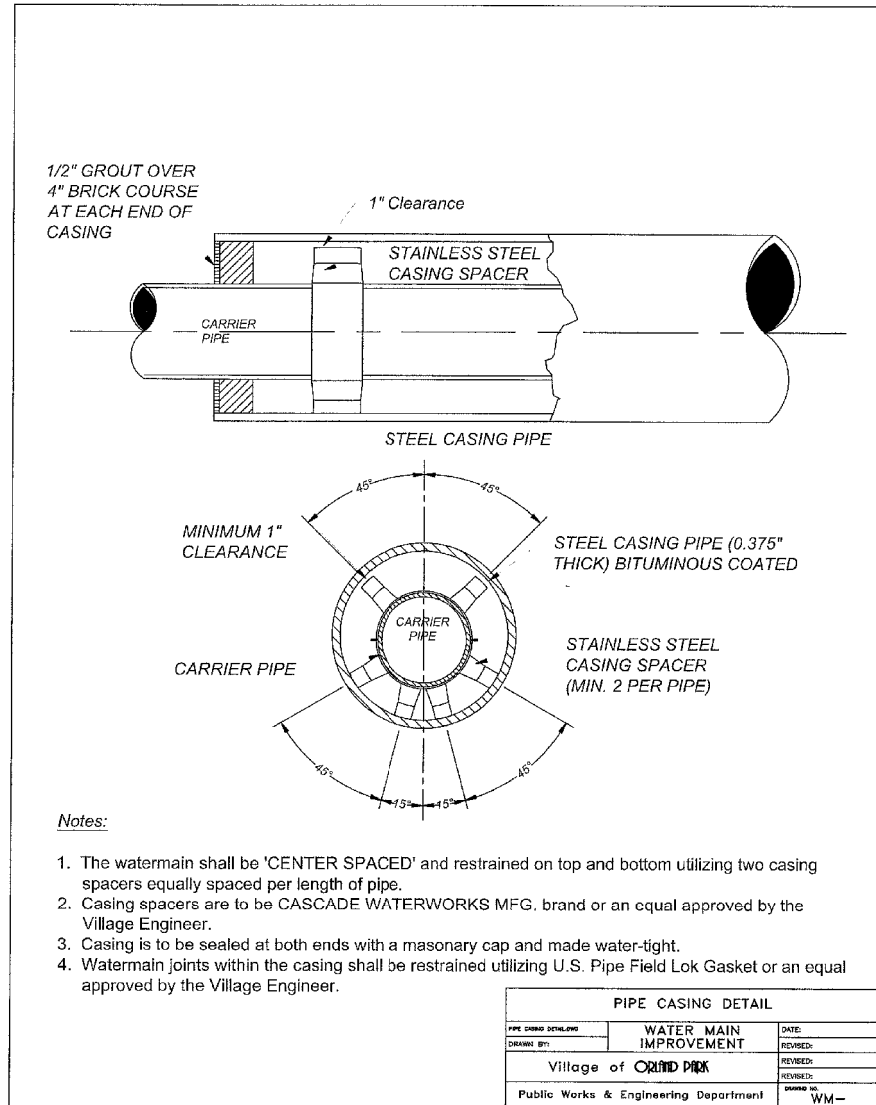
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

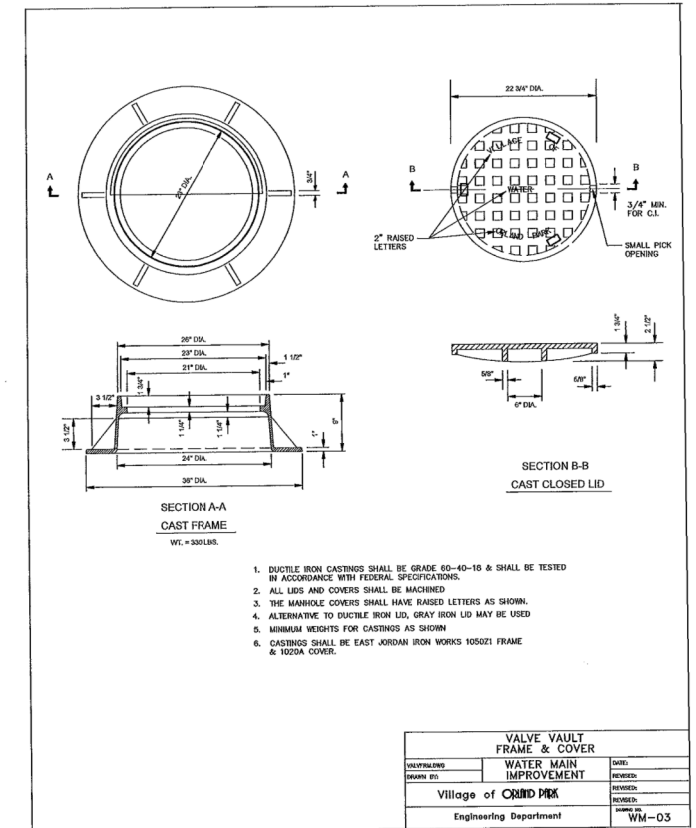
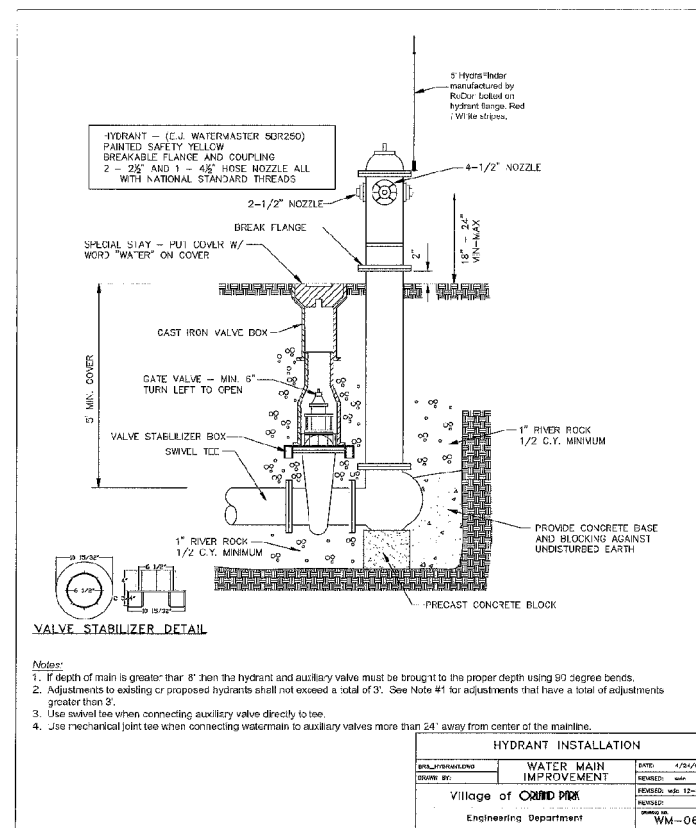
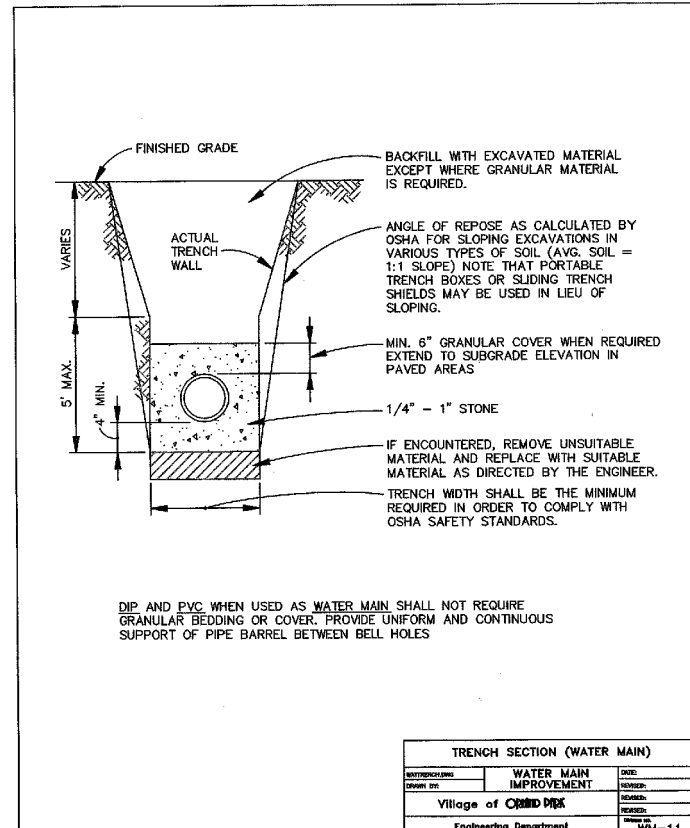
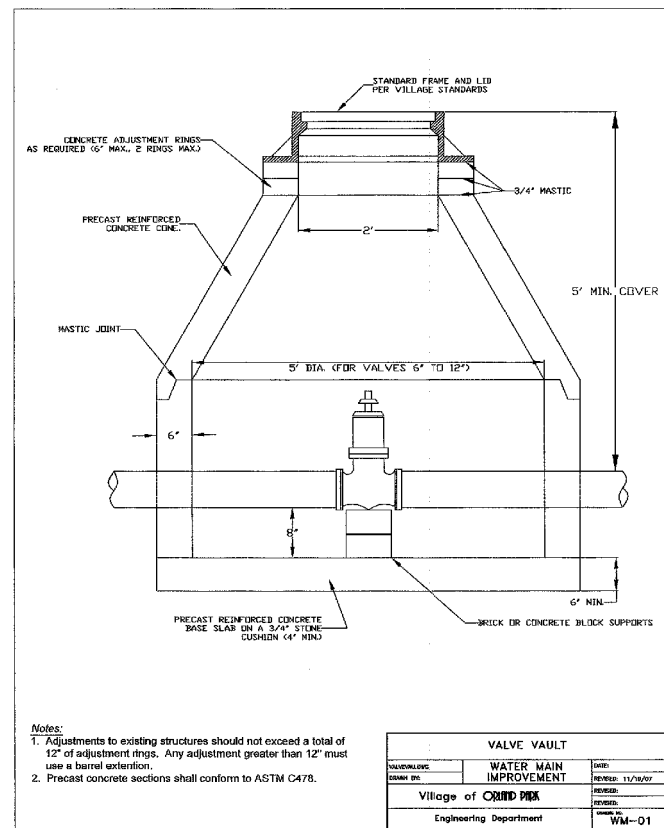
**PROPOSED WATER MAIN PROFILE
 179TH ST/BROOK HILL DR.**

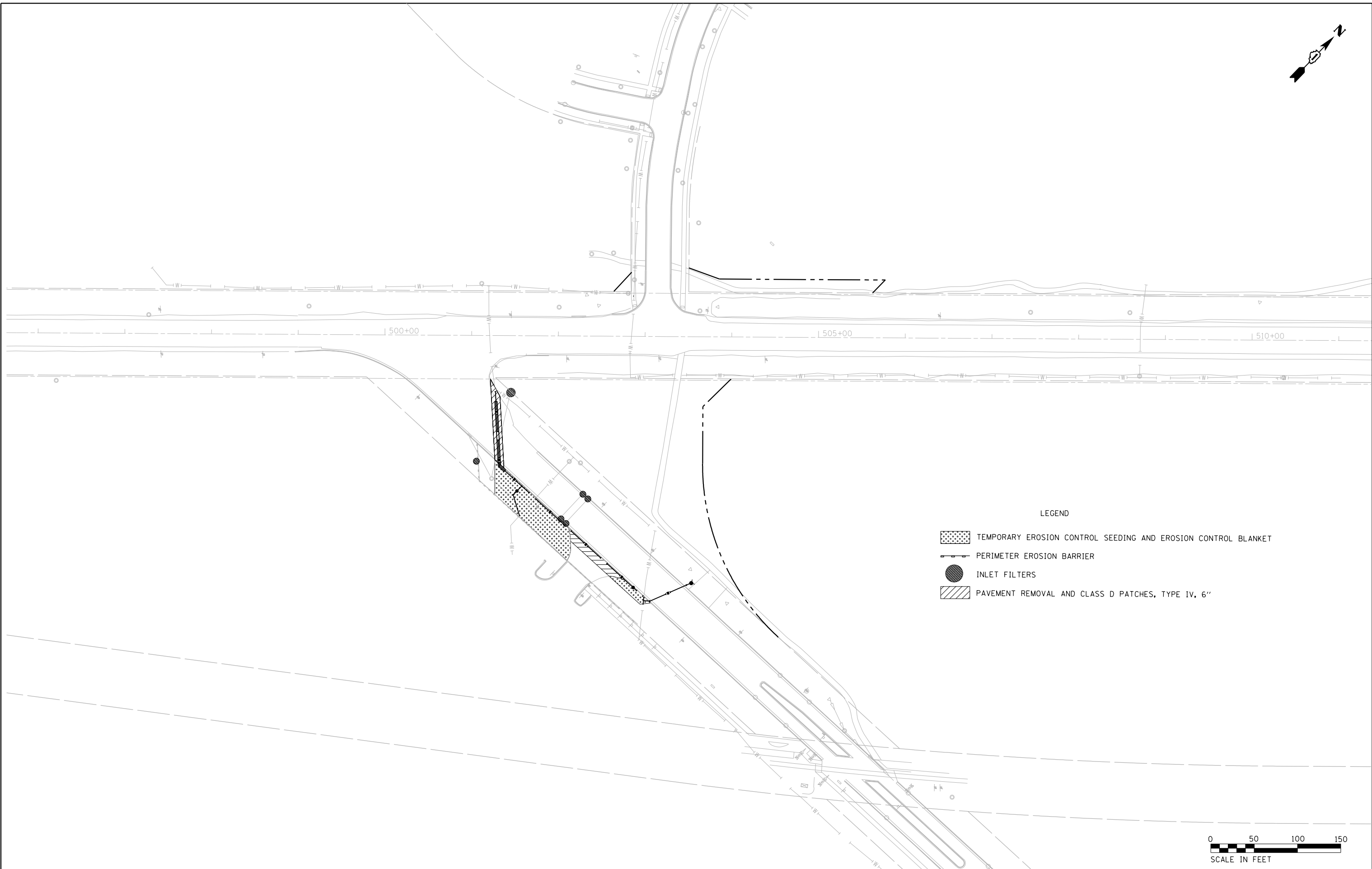
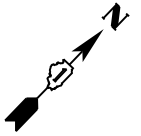
SCALE: 1"=50' H, 1"=10' V SHEET NO. 3 OF 7 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 0297	SECTION NO. 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 60
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60Y26

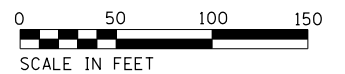






LEGEND

- TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- INLET FILTERS
- PAVEMENT REMOVAL AND CLASS D PATCHES, TYPE IV, 6"



HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = tballah	DESIGNED - TSC	REVISED -
FILE NAME = 423_sht-ErosionControl.dgn	DRAWN - BNR / TJB	REVISED -
PLOT SCALE =	CHECKED - BAF	REVISED -
PLOT DATE = 1/30/2018	DATE - 7/21/2017	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STORMWATER POLLUTION PREVENTION PLAN
 US RTE 6 (SOUTHWEST HWY.) AND 179TH ST/BROOKHILL DR.**

SCALE: 1" = 50' SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	63
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60Y26	

CONTROL MEASURE GROUP	CONTROL MEASURE	APPL.	KEY	CONTROL MEASURE CHARACTERISTICS	TEMP.	PERMIT
VEGETATIVE SOIL COVER	TEMPORARY SEEDING		TS	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.		
	PERMANENT SEEDING		PS	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATERS. MAY BE PART OF FINAL LANDSCAPE PLAN.		
	DORMANT SEEDING	X	DS	SAME AS PERMANENT SEEDING EXCEPT IS DONE DURING DORMANT SEASON. HIGHER RATES OF SEED APPLICATION ARE REQUIRED.		X
	SODDING		SO	QUICK PERMANENT COVER TO CONTROL EROSION. QUICK WAY TO ESTABLISH VEGETATION FILTER STRIP CAN BE USED ON STEEP SLOPES OR IN DRAINAGEWAYS WHERE SEEDING MAY BE DIFFICULT.		
	GROUND COVER		GC	PROVIDES GROUND COVER, SHRUBS AND TREES IN ADDITION TO PERMANENT VEGETATION. MAY BE USED AS PART OF A FINAL LANDSCAPE PLAN ALONG WITH SHRUBS AND TREES.		
NON VEGETATIVE SOIL COVER	MULCHING	X	M	ADDED INSURANCE OF A SUCCESSFUL TEMPORARY OR PERMANENT SEEDING. CONTROLS UNWANTED VEGETATION AND PRESERVES MOISTURE. PROVIDES COVER WHERE VEGETATION CANNOT BE ESTABLISHED.		X
	AGGREGATE COVER		AG	PROVIDES SOIL COVER ON ROADS AND PARKING LOTS AND AREAS WHERE VEGETATION CANNOT BE ESTABLISHED. PREVENTS MUD FROM BEING PICKED UP AND TRANSPORTED OFF-SITE.		
	PAVING		P	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.		
DIVERSIONS	EROSION BLANKET	X	EB	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING TIME OF YEAR IS INAPPROPRIATE AND IN SLOPED AREAS.		X
	RIDGE DIVERSION		RD	TYPICALLY USED ABOVE SLOPES. USED WHERE AN EXCESS OF SOIL IS AVAILABLE.		
	CHANNEL DIVERSION		CD	TYPICALLY USED AT TOP OR BASE OF SLOPES. USED WHEN EXCESS SOIL IS NOT AVAILABLE.		
	COMBINATION DIVERSION		DC	TYPICALLY USED ANYWHERE ON A SLOPE. SOIL TAKEN OUT OF CHANNEL IS USED TO BUILD THE RIDGE.		
	CURB AND GUTTER		CG	SPECIAL CASE OF DIVERSION USED IN CONJUNCTION WITH A STREET TO DIVERT WATER FROM AN AREA NEEDING PROTECTION.		
	BENCHES		B	SPECIAL CASE OF DIVERSION CONSTRUCTED WHEN WORKING ON CUT SLOPES TO SHORTEN LENGTH OF SLOPE AND ADD SLOPE STABILITY.		
	BARE CHANNEL		BC	PROVIDES MEANS OF CONVEYING RUNOFF TO DESIRED LOCATION. MAY BE USED TO DRAIN DEPRESSIONAL AREAS. ONLY APPLICABLE WHEN VELOCITY OF FLOW IS VERY LOW.		
	VEGETATIVE CHANNEL		VC	PROVIDED ADDED STABILITY TO CHANNEL. USED WHEN VELOCITY OF FLOW IS NOT EXTREMELY FAST.		
WATERWAYS	LINED CHANNEL		LC	USED WHEN VEGETATION WILL NOT PROTECT THE CHANNEL AGAINST HIGH VELOCITIES OF FLOW OR WHERE VEGETATION CANNOT BE ESTABLISHED.		
	ROCK CHECKS		RC	PROVIDES AN ENERGY DISSIPATOR ALONG A LENGTHY CHANNEL TO REDUCE VELOCITY OF STORMWATER.		
	STORM SEWER		SS	CAN BE USED TO CONVEY SEDIMENT LADEN WATER TO SEDIMENT BASIN OR IN CONJUNCTION WITH A WATERWAY.		
ENCLOSED DRAINAGE	UNDERDRAIN		UD	USED TO LOWER WATER TABLE AND INTERCEPT GROUNDWATER FOR BETTER VEGETATION GROWTH AND SLOPE STABILITY. USED TO CARRY BASE FLOW IN WATERWAYS AND TO DEWATER SEDIMENT BASINS.		
	STRAIGHT PIPE SPILLWAY		SFS	USED FOR RELATIVELY SMALL VERTICAL DROPS AND SMALL FLOWS OF WATER FROM STRUCTURES.		
SPILLWAYS	DROP INLET PIPE SPILLWAY		DIS	SAME AS PIPE SPILLWAY EXCEPT LARGER FLOWS AND LARGE VERTICAL DROPS CAN BE ACCOMMODATED.		
	WEIR INLET WEIR SPILLWAY		W	USED FOR RELATIVELY SMALL VERTICAL DROPS AND FLOWS MUCH GREATER THAN PIPE STRUCTURES.		
	BOX INLET WEIR SPILLWAY		BS	SAME AS WEIR SPILLWAY EXCEPT LARGER FLOWS CAN BE ACCOMMODATED BECAUSE OF LOWER WEIR LENGTH.		
OUTLETS	LINED APRON		LA	PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.		
	STONE RIP RAP		RR	USED AS AN ENERGY DISSIPATOR AT OUTLET STRUCTURES TO REDUCE VELOCITIES.		
SEDIMENT BASINS	SEDIMENT TRAP		ST	USED WHERE TOPOGRAPHY LENDS ITSELF TO CONSTRUCTING A DAM AND EARTH FILL IS AVAILABLE. USED WHERE THERE IS NOT ENOUGH ROOM FOR A WET OR DRY DETENTION BASIN OR IN A LOCATION WHERE DETENTION IS NOT REQUIRED.		
	SEDIMENTATION POND		SP	A WET OR DRY DETENTION BASIN SIZED FOR THE POST DEVELOPMENT 100 YEAR STORM TEMPORARILY MODIFIED TO ENHANCE SEDIMENT REMOVAL DURING CONSTRUCTION.		
SEDIMENT FILTERS	BARRIER FILTER		BF	USED FOR SINGLE LOTS OR DRAINAGE AREAS LESS THAN 1/2 ACRE TO FILTER SEDIMENT FROM RUNOFF.		
	VEGETATIVE FILTER		VF	USED ALONG DRAINAGEWAYS OR PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF. SIZE MUST BE INCREASED IN PROPORTION TO DRAINAGE AREA.		
	FILTER FABRIC		FF	USED FOR FILTERING SEDIMENT WITHIN THE ROADWAY BEFORE ENTERING THE STORM SEWER.		
	INLET PROTECTION	X	IG	USED FOR FILTERING SEDIMENT WITHIN GRASS AREAS BEFORE WATER ENTERS THE STORM SEWER.		X
MUD AND DUST CONTROL	STABILIZED CONST. ENTRANCE		SE	PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.		
	DUST AND TRAFFIC CONTROL		DT	PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.		

EROSION CONTROL SPECS

NOTES:
This plan has been prepared to comply with the provisions of the NPDES Permit Number issued by the Illinois Environmental Protection Agency for Stormwater Discharges from Construction Site Activities. The implementation and maintenance of all soil erosion and sediment control measures shall be in accordance with the Village of Marengo's Soil Erosion and Sediment Control Ordinance. If any of the cited provisions or standards specifications conflict, the stricter shall prevail.

1. Site Description.
a. The following is a description of the construction activity which is the subject of this plan:
The proposed project consists of installing watermain and appurtenances along Sunset Drive, Willow Road, and Van Buren Street within the municipal limits of the Village of Marengo.
b. The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site such as grubbing, excavation and grading:
The sequence of the construction activities may be as follows: 1) install silt (barrier filter) fence and stabilized construction entrance, 2) site clearing and grubbing and 3) grading.
The soil erosion and sedimentation control items will be constructed as needed

2. Controls.
This plan addresses the various controls that will be implemented for each of the major construction activities described in 1.b above. For each measure discussed, the contractors will be responsible for its implementation as indicated. Each such contractor has signed the required certification on forms which are attached to, and are a part of, this plan.

a. Erosion and Sediment Controls.
(i) STABILIZATION PRACTICES. Provided below is a description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Except as provided in 2.a (i) (A) and 2.b, 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 portions of the site where construction activity will not occur for a period of 7 or more calendar days.
(A) Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable thereafter.

The following interim and permanent stabilization practices, as a minimum will be implemented to stabilize the disturbed area of the site:

1. Permanent seeding
2. Vegetative filter
3. Vegetative channel
4. Stabilized construction entrance
5. Barrier filter
6. Inlet protection
7. Outlet protection

(ii) STRUCTURAL PRACTICES. Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed area of the site. The installation of these devices may be subject to Section 404 of the Clean Water Act.

1. Detention basins
2. Storm sewer system
3. Vegetated drainage swales
4. Permanent seeding
5. Outlet protection
6. Inlet protection

b. Erosion Control. It shall be the Contractor's responsibility to provide adequate erosion control on the job site. The following erosion control sequence shall be adhered to:

1. Install silt fence along site perimeter.
- 2A. Mass grade using low points in road profile as sediment ponds.
- 2B. If road low points are to be drained by pumping, a sump pit shall be installed per the typical detail.
- 2C. Install silt fence per grading/erosion plan.
3. Install silt fence around limits of construction.

Any siltation of conduits, structures, or ditches shall be cleaned and maintained by the Contractor on a weekly basis, until the seeding has taken hold. All washouts, gullies, etc. will be regraded and reseeded by the Contractor, at the Contractor's expense.

The Contractor's responsibility for erosion control shall extend throughout the construction process. The Contractor shall be responsible for cleanup of paved surfaces within and adjacent to the project.

All erosion control practices shall be in compliance with the latest revision of the "Standard Specifications for Road and Bridge Construction," by the Illinois Department of Transportation and with "Standards and Specifications for Soil Erosion and Sedimentation Control" as published by the Illinois Environmental Protection Agency.

c. Stormwater Management.
(i) Provided below is a description of measures that will be installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

The practices selected for implementation were determined on the basis of the technical guidance contained in IEPA's Standard Specifications for Soil Erosion and Sedimentation Control, and other ordinances listed in the Specifications.
The stormwater pollutant control measures shall include:

1. Silt filter fence
2. Retention/detention ponds

(ii) Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions, such as the hyporheal and hydrodynamics present prior to the initiation of construction activities).
Stormwater Management Control includes:
1. Vegetative channels
2. Outlet protection using rip-rap
3. Inlet protection using filter fabric

d. Maintenance.
The following is a description of procedures that will be used to maintain, in good and effective operating conditions, vegetation, erosion and sediment control measures and other protective measures identified in this plan and Standard Specifications.
Stabilized construction entrance: The entrance shall be maintained to prevent tracking of sediment onto public streets. This will be done by top dressing with additional stones, remove and replace top layer of stones or washing the entrance. The sediment washed on the public right-of-way will be removed immediately.
Vegetative erosion control measures: The vegetative growth of temporary and permanent seeding, sodding, vegetative channels, vegetative filter, etc. shall be maintained periodically and supply adequate watering. The vegetative cover shall be reseeded as necessary.
Sedimentation basins/traps: The sediments shall be removed when 40-50 percent of the total original capacity is occupied by the sediment. In no case shall the sediment be built up to remove that 1 foot below the crest elevation. At this stage, the basin shall be cleaned out to restore its original volume.
Silt filter fence: The damaged silt filter fence shall be restored to meet the standards or removed and replaced as needed.
Curlex sediment log filters: The sediment log filter shall be inspected frequently and shall be repaired or removed and replaced as needed.
Rip-rap outlet protection: It shall be inspected after high flows for any scour beneath the rip-rap or for stones that have been dislodged. It shall be repaired immediately.
Sedimentation basin riser pipe: The filter fabric wrapped around the perforated pipe shall be replaced with new filter fabric when the water elevation in the basin remains at the top of pipe for 24 hours after the end of a rainfall event.

3. Other Controls.
(i) Waste Disposal. The solid waste materials including trash, construction debris, excess construction materials, machinery, tools and other items will be collected and disposed off-site by the contractor. The contractor is responsible to acquire any permit required for such disposal. Burning on the site will not be permitted. No solid materials, including building materials, shall be discharged into Waters of the State, except as authorized by a Section 404 permit.

(ii) The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
The sanitary sewage will be discharged to the proposed sanitary sewer constructed per IEPA and local standards.

4. Inspections.
The Owner, or Owner's representative shall provide qualified personnel to inspect disturbed areas of the construction site which have not been finally stabilized, structural control measures and location where vehicles enter or exit the site. Such inspections shall be conducted at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall.

a. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected within 7 calendar days following the inspection.

b. Based on the results of the inspection, the description of potential pollutant sources identified in section 1 above and pollution prevention measures identified in section 2 above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within 7 calendar days following the inspection.

c. A report summarizing the scope of the inspection, names(s) and qualifications of personnel making the inspection, the date(s) 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 part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI.G of the general permit.

d. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incidence of Noncompliance" (ION) report use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, 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. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A,B,C			*	*					
SODDING			G**									
TEMPORARY SEEDING			E									

SEEDING SPECS			
A	(1) STANDARD LAWN MIXTURE KENTUCKY BLUEGRASS 50 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE AND CREEPING RED FESCUE 20 LBS/ACRE	D (48)	WETLAND GRASS AND SEDGE MIXTURE ANNUAL RYE GRASS 25 LBS/ACRE OATS, SPRING 25 LBS/ACRE WETLAND GRASSES 6 LBS/ACRE
B	(1A) SALT TOLERANT MIXTURE BLUE GRASS 30 LBS/ACRE PERENNIAL RYEGRASS 10 LBS/ACRE DAWSON'S RED FESCUE 10 LBS/ACRE SCALDIS HARD FESCUE 10 LBS/ACRE FULTS SALT GRASS 30 LBS/ACRE	G	SOD
C	LOW PROFILE NATIVE GRASS MIXTURE ANDROPOGON SCOPARIUS (LITTLE BLUE STEM) 5 LBS/ACRE BOULETELOVA CURTIPENDULA (SIDE OATS GRAMA) 5 LBS/ACRE ELYMUS CANADENSIS (WILD RYE) 1 LB/ACRE SPOROBOLUS HETEROLEPSIS (PRAIRIE DROPSEED) 0.5 LB/ACRE ANNUAL RYE GRASS 25 LBS/ACRE OATS, SPRING 25 LBS/ACRE PERENNIAL RYE GRASS 15 LBS/ACRE	()	IDOT STANDARD

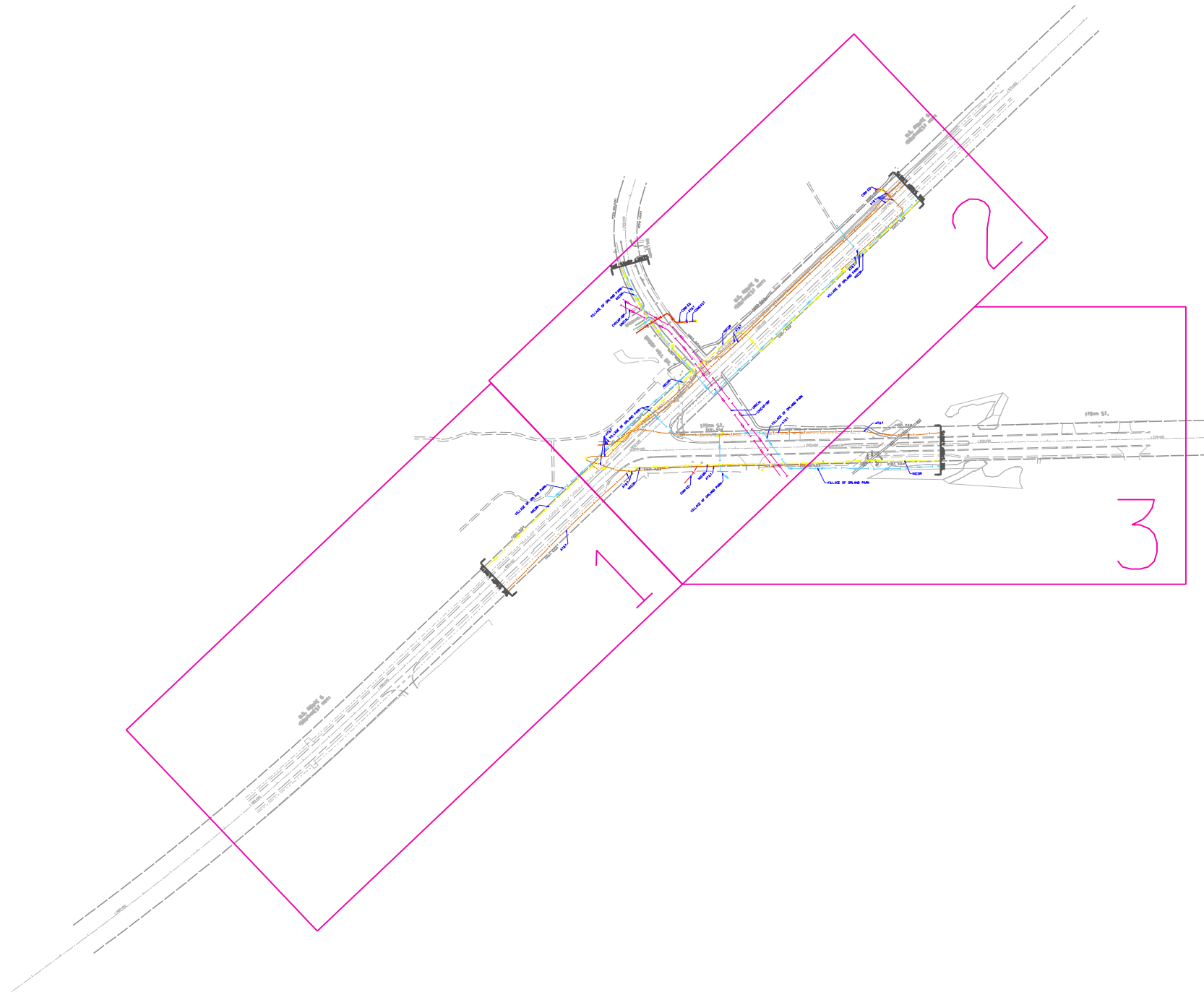
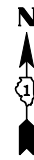
5. Non-Stormwater Discharges.
Except for flows from fire fighting activities, sources of non-stormwater that may be combined with stormwater discharges associated with the construction activity addressed in this plan are described below:
1. Watering for dust control
2. Irrigation drainage for vegetative growth for seeding, etc.
The pollution prevention measures, as described below, will be implemented for non-stormwater components of the discharge.
The erosion due to irrigation of seeding shall be considered minor.
Contractor to provide the above non-stormwater discharges control to the standard specification required by the City or the approved equal.

Street Cleaning:
Each site shall have graveled (or equivalent) entrance roads, access drives, and parking areas of sufficient length and width to prevent sediment from being tracked onto public or private roadways. Any sediment reaching a public or private road shall be removed by shoveling or street cleaning (not flushing) before the end of each workday and transported to a controlled sediment disposal area.

Dust Control Temporary Methods:
1. Mulches - Chemical or wood cellulose fiber binders may be used instead of asphalt to bind mulch material.
2. Vegetative Cover - See practice standard TEMPORARY SEEDING 965.
3. Spray-on Adhesives - These may be used on mineral soils. They are not effective on muck soils. Keep traffic off these areas after application.
a. Anionic asphalt emulsion: water dilution - 7:1, coarse spray, 1,200 gal/acre.
b. Latex emulsion: water dilution - 12.5:1, fine spray, 235 gal/acre.
c. Resin-in-water emulsion: water dilution - 4:1, fine spray, 300 gal/acre.
4. Tillage - Roughen the surface and bring clods to the surface. This is an emergency measure that should be used before soil blowing starts. Begin tillage on windward side of site. Chisel plows with shanks spaced about 12"-18" apart and spring-toothed harrows are examples of equipment that may produce the desired effect.
5. Irrigation - This is commonly used and affords fast protection for haul roads and other heavy traffic roads. The site is sprinkled with water until the surface is moist. Repeat as needed.
6. Barriers - Solid board fences, snow fences, burlap fences, crate walls and similar material can be used to prevent soil erosion and blowing soil. Barriers placed at right angles to prevailing wind currents at intervals of about 10 times their height are effective in controlling soil blowing.
7. Calcium Chloride - Apply at a rate that will keep the surface moist. This chemical may be applied by a mechanical spreader as loose, dry granules or flakes at a rate that keeps the surface moist but not so much as to cause water pollution or plant damage. Application rates should be strictly in accordance with the manufacturer's specified rates. Periodic re-treatment may be needed.
8. Stone - Stone can be used to stabilize roads or other areas during construction using crushed stone or coarse gravel.
9. Street cleaning - Paved areas that have soil on them from construction sites should be cleaned daily, or as needed, utilizing a street sweeper or bucket-type end loader or scraper.

III. EROSION CONTROL MEASURES
1. All erosion control measures shall be in compliance with the latest revision of the "Procedures and Standards for Soil Erosion and Sedimentation Control in Northeastern Illinois" (revised July 1988) as prepared by the Northeastern Illinois Erosion and Sedimentation Control Steering Committee, the Illinois Environmental Protection Agency's "Standards and Specifications for Soil Erosion and Sedimentation Control" (latest edition), Standards and Specifications for Soil Erosion and Sedimentation Control by IEPA-Illinois Urban Manual - a technical manual designed for Urban Ecosystem Protection and Enhancement, 1995 and in accordance with the erosion control plan.
2. All erosion control measures must be checked by the developer/contractor on a weekly basis and after every storm of one half inch of rainfall or greater. Any repairs or sediment removal needed to ensure adequate erosion control must be completed immediately, at the expense of the developer/contractor.
3. The work site shall be mass graded to provide for positive drainage at all times during construction. Final grades shall be protected from erosion and accumulation of sediments.

A. SOIL STABILIZATION
1. Existing vegetation cover and topsoil - strip topsoil and remove existing vegetation. Stockpile on-site for future re-use at the location designated on the plan.
2. Temporary seeding - temporary seeding shall be placed within 15 days to all disturbed areas that are scheduled to remain stripped for more than 60 days.
3. Permanent seeding - install permanent seeding or sod immediately following the finished grading and topsoil placement.
4. Slope protection - protect all seeding on slopes with mulch, secured excelsior blankets, or equal.
B. SEDIMENT CONTROL
1. Protect adjacent properties from encroaching sediments by preserving a vegetated buffer strip or with siltation fencing placed around the perimeter of the site.
2. All stockpile areas shall be protected with erosion barriers around the perimeter of the stockpile base.
3. All newly constructed storm sewer structures shall be provided with Curlex Sediment Log barriers or filter fabric under the frames.
4. Curlex sediment logs shall be placed a minimum of every 250' in all overland flood swales, rear yard swales, or other longitudinal swales.
5. All construction traffic shall be restricted to enter and leave the construction site through one designated stabilized construction access road. Said stabilized construction access shall consist of a minimum 150' x 30' crushed 3" stone strip that is intended to minimize the tracking of mud onto state, county, township, or municipal roadways. The developer/contractor is responsible for daily cleaning or the roadways or as directed by the Village Engineer. Water flushing is not an acceptable method for removal of dirt and debris from the roadways.
6. The developer/contractor must remove all erosion control measures within 30 days of final site stabilization. However, should after the initial testing the deflected pipe fail to return to the original size (inside diameter) the line shall be replaced.



— A — A —	AERIAL
- - - - -	UNKNOWN
— (O) — (O) —	OIL
— (CTV) — (CTV) —	CABLE TV
— (T) — (T) —	TELEPHONE
— (G) — (G) —	GAS
— (E) — (E) —	ELECTRIC
— (W) — (W) —	WATER
— (FO) — (FO) —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - TELEPHONE	
CHICAP/BP - OIL	
COM-ED - ELECTRIC	
COMCAST - CABLE TV	
NICOR - GAS	
UNICAL - OIL	
VILLAGE OF ORLAND PARK - WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 8/04/14 through 8/13/14. Changes to utilities after 8/13/14 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510620
SUE Plan Page: Cover

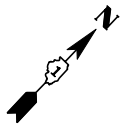
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Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 8/14/14	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 6 at 179th Street
Orland Park, Illinois**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	Cook	151	65
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60Y26	



U.S. ROUTE 6
(SOUTHWEST HWY)

VILLAGE OF ORLAND PARK

NICOR

SUE STUDY LIMITS

EXIST. R.O.W

1485+00

1490+00

1495+00

EXIST. R.O.W

AT&T

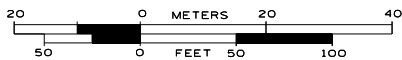
MATCH TO SHEET 2

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- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T	- TELEPHONE
CHICAP/BP	- OIL
COM-ED	- ELECTRIC
COMCAST	- CABLE TV
NICOR	- GAS
UNICAL	- OIL
VILLAGE OF ORLAND PARK	- WATER

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ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510620
SUE Plan Page: 1 of 3

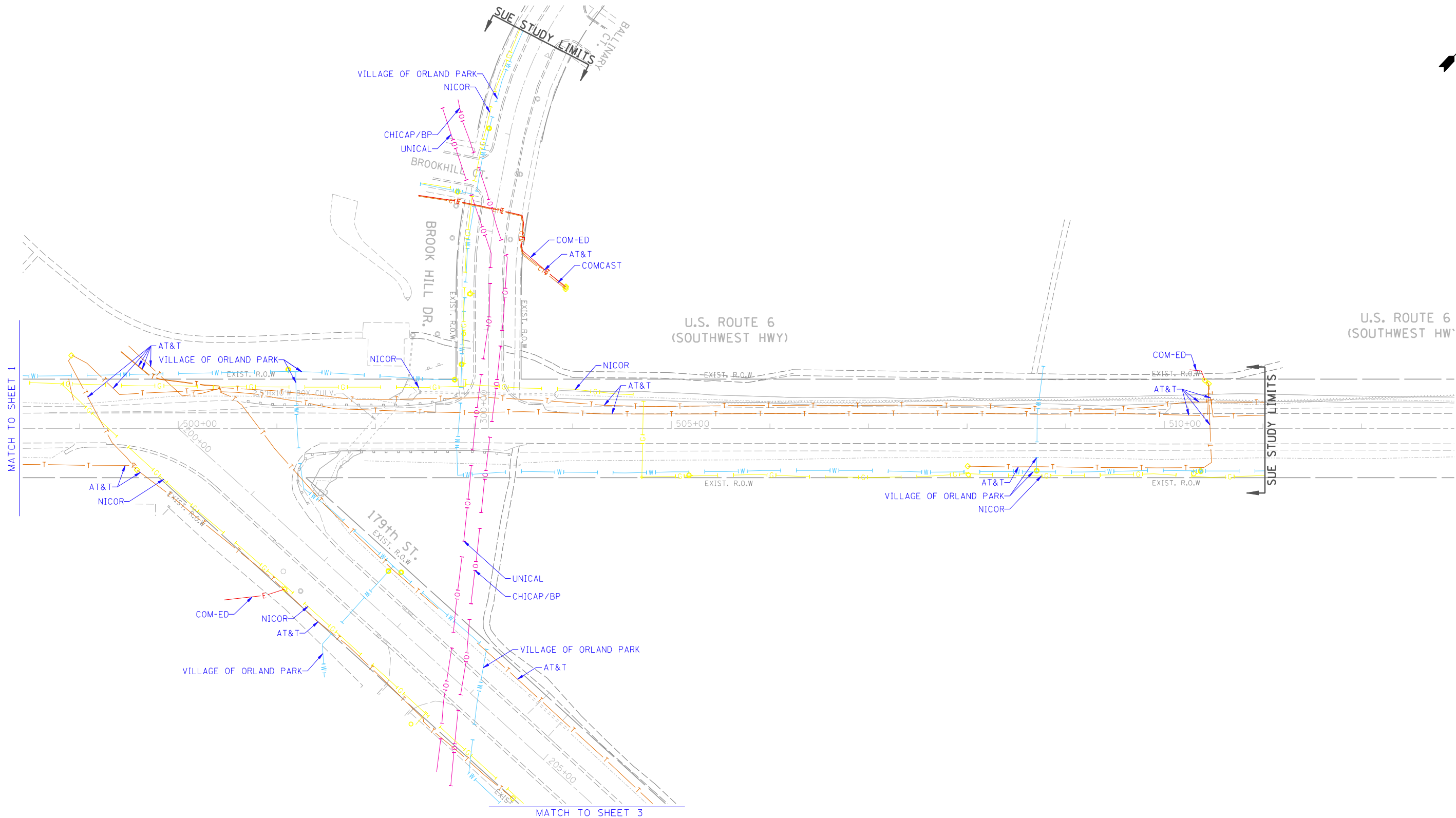
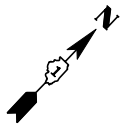
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Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	MS	REVISED	
DRAWN	SRK	REVISED	
CHECKED	MGR	REVISED	
DATE	8/14/14	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 at 179th Street
Orland Park, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	Cook	151	66
Contract No. 60Y26				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

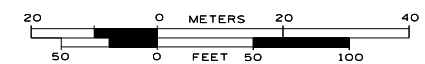


— A — A —	AERIAL
- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - TELEPHONE	
CHICAP/BP - OIL	
COM-ED - ELECTRIC	
COMCAST - CABLE TV	
NICOR - GAS	
UNICAL - OIL	
VILLAGE OF ORLAND PARK - WATER	

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ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510620
SUE Plan Page: 2 of 3

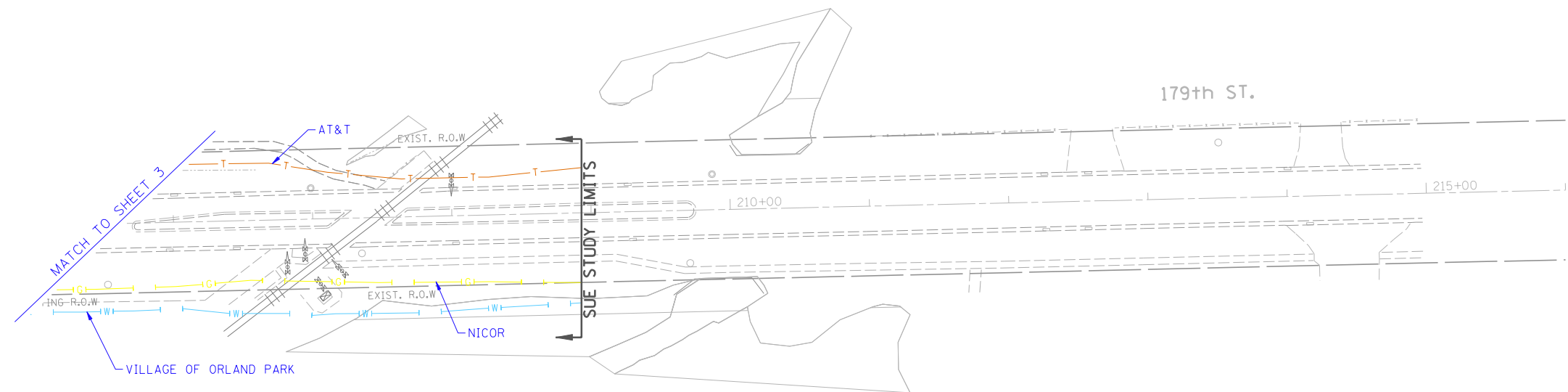
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Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 8/14/14	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 6 at 179th Street
Orland Park, Illinois**

F.A.U R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	Cook	151	67
Contract No. 60Y26				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

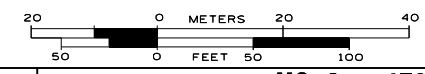


— A — A —	AERIAL
- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T - TELEPHONE	
CHICAP/BP - OIL	
COM-ED - ELECTRIC	
COMCAST - CABLE TV	
NICOR - GAS	
UNICAL - OIL	
VILLAGE OF ORLAND PARK - WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 8/04/14 through 8/13/14. Changes to utilities after 8/13/14 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510620
SUE Plan Page: 3 of 3

Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED MS	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 8/14/14	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 6 at 179th Street
Orland Park, Illinois**

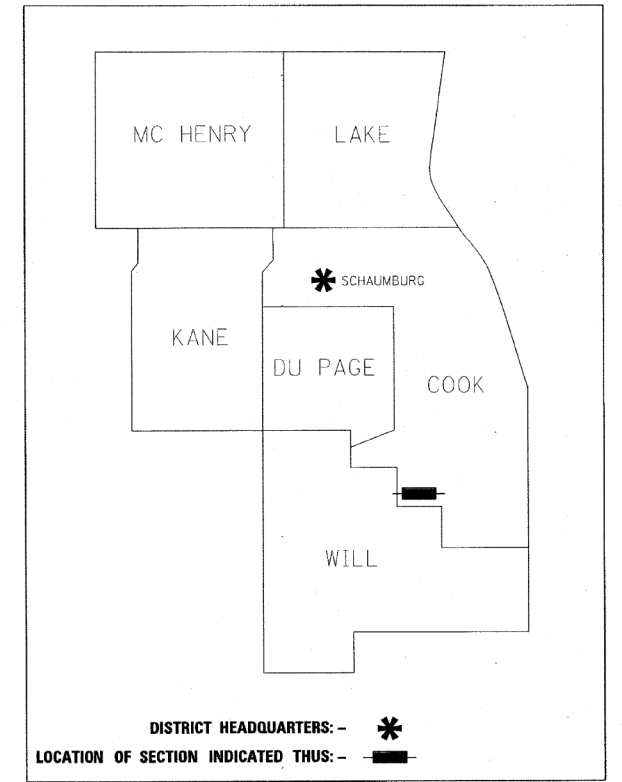
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	Cook	151	68
Contract No. 60Y26				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

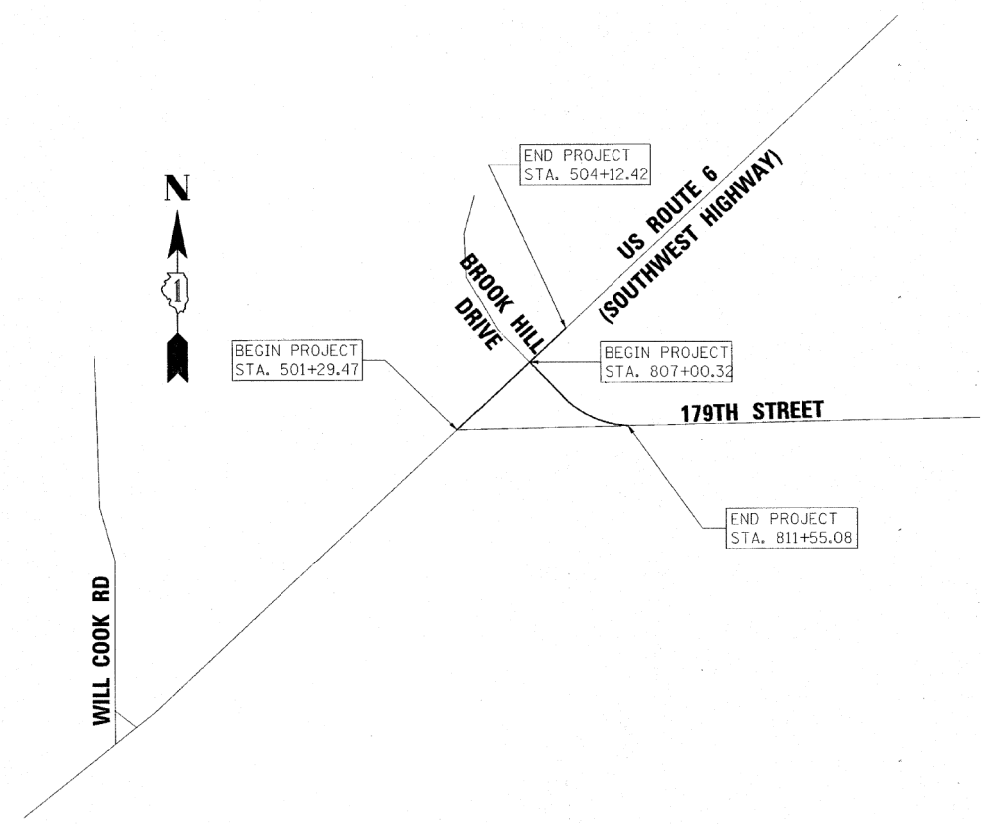
PLAT OF HIGHWAYS

ROUTE: US ROUTE 6 (SOUTHWEST HIGHWAY)
SECTION:
COUNTY: COOK
LIMITS: 179TH STREET/BROOK HILL DRIVE
JOB NO.: R-90-029-13

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
OK20001	VILLAGE OF ORLAND PARK	2	1430246038
OK20002	VILLAGE OF ORLAND PARK	2	1430246038
OK20003	THE COMMUTER RAIL DIVISION OF THE REGIONAL TRANSPORTATION AUTHORITY, A DIVISION OF AN ILLINOIS MUNICIPAL CORPORATION	2	1430946106
OK20005	THE COMMUTER RAIL DIVISION OF THE REGIONAL TRANSPORTATION AUTHORITY, A DIVISION OF AN ILLINOIS MUNICIPAL CORPORATION	2	



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



LOCATION MAP

GROSS LENGTH = 2600 FT. = 0.492 MILES
NET LENGTH = 719.67 FT. = 0.136 MILES

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OCT 26 2017
PLATS & LEGALS
AP

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - WD 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-sht-PlatHWy01.dgn



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	DRAWN -	REVISED -
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PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAT OF HIGHWAYS
US RTE 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	31780-N(14)	COOK	151	69
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

PART OF THE WEST HALF OF SECTION 31, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE 3RD. P.M., COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
OK20005	12.507	0.298	N/A	12.209	N/A	N/A	27-31-100-010 27-31-100-019

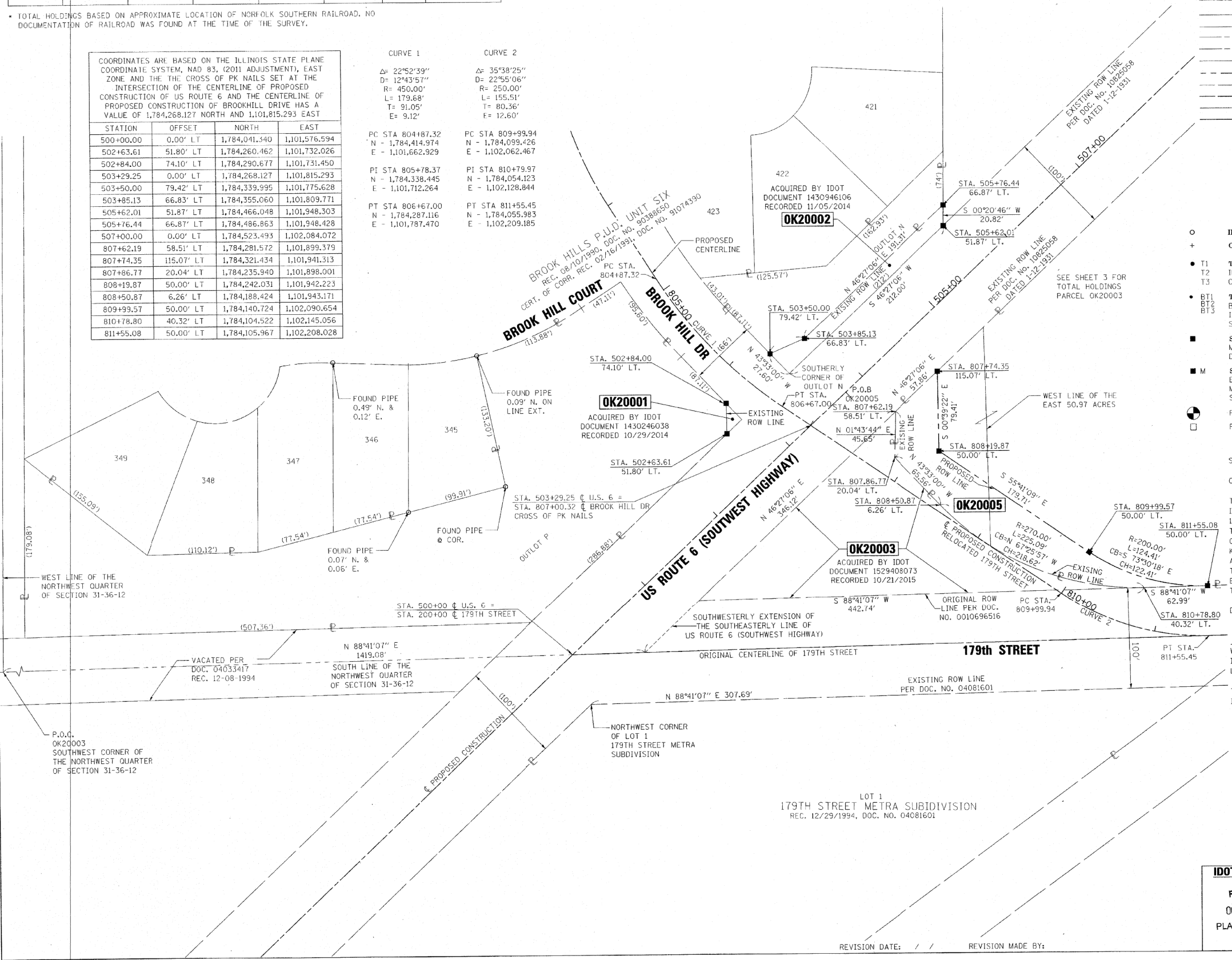
* TOTAL HOLDINGS BASED ON APPROXIMATE LOCATION OF NORFOLK SOUTHERN RAILROAD. NO DOCUMENTATION OF RAILROAD WAS FOUND AT THE TIME OF THE SURVEY.

COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83, (2011 ADJUSTMENT), EAST ZONE AND THE CROSS OF PK NAILS SET AT THE INTERSECTION OF THE CENTERLINE OF PROPOSED CONSTRUCTION OF US ROUTE 6 AND THE CENTERLINE OF PROPOSED CONSTRUCTION OF BROOK HILL DRIVE HAS A VALUE OF 1,784,268.127 NORTH AND 1,101,815.293 EAST

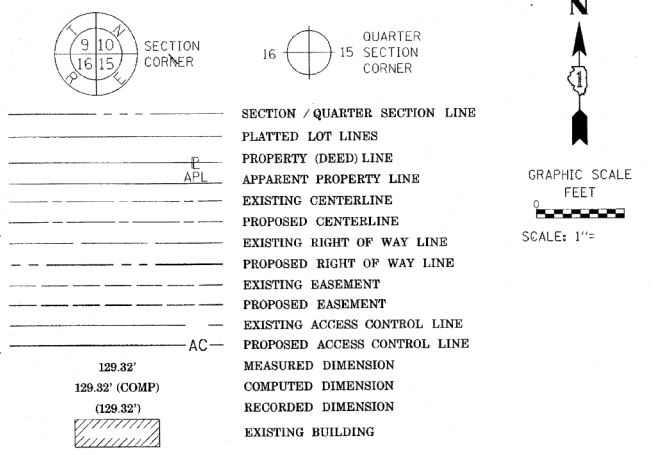
STATION	OFFSET	NORTH	EAST
500+00.00	0.00' LT	1,784,041.340	1,101,576.594
502+63.61	51.80' LT	1,784,260.462	1,101,732.026
502+84.00	74.10' LT	1,784,290.677	1,101,731.450
503+29.25	0.00' LT	1,784,268.127	1,101,815.293
503+50.00	79.42' LT	1,784,339.995	1,101,775.628
503+85.13	66.83' LT	1,784,355.060	1,101,809.771
505+62.01	51.87' LT	1,784,466.048	1,101,948.303
505+76.44	66.87' LT	1,784,486.863	1,101,948.428
507+00.00	0.00' LT	1,784,523.493	1,102,084.072
807+62.19	58.51' LT	1,784,281.572	1,101,899.379
807+74.35	115.07' LT	1,784,321.434	1,101,941.313
807+86.77	20.04' LT	1,784,235.940	1,101,898.001
808+19.87	50.00' LT	1,784,242.031	1,101,942.223
808+50.87	6.26' LT	1,784,188.424	1,101,943.171
809+99.57	50.00' LT	1,784,140.724	1,102,090.654
810+78.80	40.32' LT	1,784,104.522	1,102,145.056
811+55.08	50.00' LT	1,784,105.967	1,102,208.028

CURVE 1	CURVE 2
Δ = 22°52'39"	Δ = 35°38'25"
D = 12°43'57"	D = 22°55'06"
R = 450.00'	R = 250.00'
L = 179.68'	L = 155.51'
T = 91.05'	T = 80.36'
E = 9.12'	E = 12.60'

PC STA	PT STA	N	E
804+87.32	809+99.94	1,784,414.974	1,102,062.467
805+78.37	810+79.97	1,784,338.445	1,102,128.844
806+67.00	811+55.45	1,784,287.116	1,102,209.185



LEGEND



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES IN CULTIVATED AREAS REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, ENVIRONMENTAL DESIGN INTERNATIONAL, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001224, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 31, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 26TH DAY OF OCTOBER A.D. 2017.

Wm. J. Fleming
WILLIAM J. FLEMING, PLS
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035.003226
LICENSE EXPIRATION DATE: 11/30/2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PTB 162/016
WORK ORDER # 27
EDI PROJECT
1173.023.28

EDI Environmental Design International, Inc.
Civil, Survey, Environmental and Construction Inspection Services
33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603
Ph. (312) 345-1400 Fax (312) 345-0529
www.edi.com MBE/WBE/DBE

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 6 (SOUTHWEST HIGHWAY)
LIMITS: AT 179TH STREET/BROOK HILL DRIVE COUNTY: COOK
SECTION: JOB NO.: R-90-029-13
STA. 807+00.32 TO STA. 811+55.08
SCALE: 1" = 50' SHEET 2 OF 3 SHEETS

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

IDOT USE ONLY
RECEIVED
OCT 26 2017
PLATS & LEGALS

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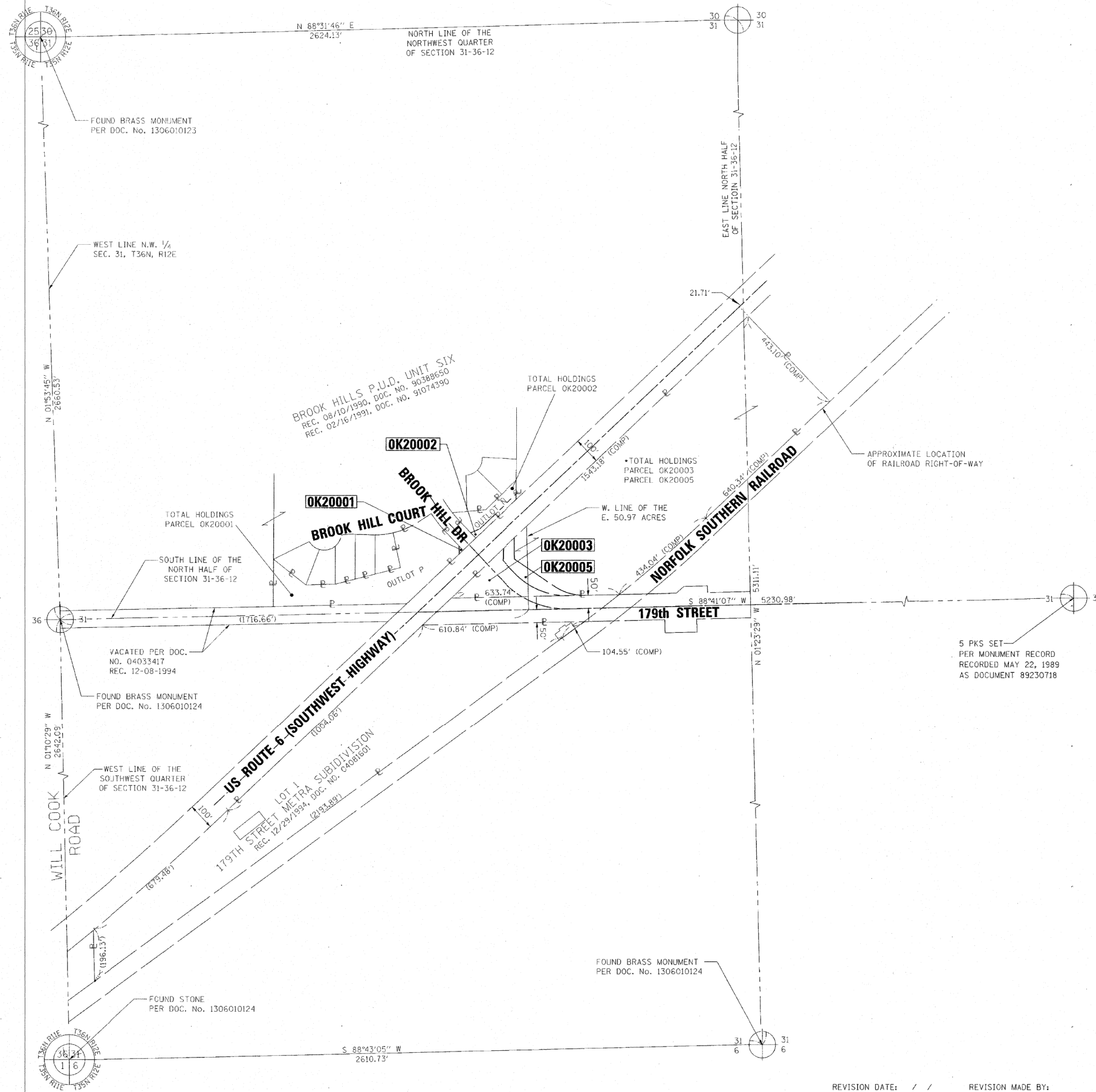
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

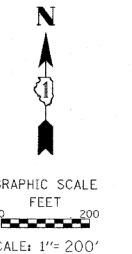
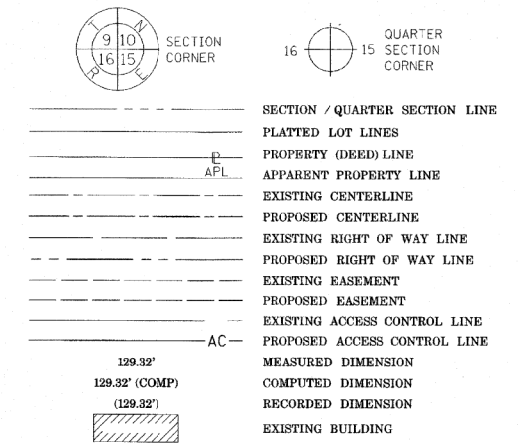
PLAT OF HIGHWAYS
US RTE 6 (SOUTHWEST HWY.) AND 179TH ST/BROOK HILL DR.
SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N14)	COOK	151	70
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

PART OF THE WEST 12 OF SECTION 31, TWP. 36 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY: SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, ENVIRONMENTAL DESIGN INTERNATIONAL, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001224, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 31, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 26TH DAY OF OCTOBER, A.D. 2017.

William J. Fleming
WILLIAM J. FLEMING, PLS
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035.003226
LICENSE EXPIRATION DATE: 11/30/2018



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

PTB 162/016
WORK ORDER# 27
EDI PROJECT
1173.023.28

EDI Environmental Design International inc.
Civil, Survey, Environmental and Construction Inspection Services
33 W. MONROE STREET, SUITE 1625, CHICAGO, IL 60603
Ph: (312) 345-1400 Fax: (312) 345-4528
www.ediintl.com MBE/WBE/DBE

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
US ROUTE 6 (SOUTHWEST HIGHWAY)

LIMITS: 179TH STREET/BROOK HILL DRIVE COUNTY: COOK
SECTION: TO STA. JOB NO.: R-90-029-13
STA. TO STA.
SCALE: 1" = 200' SHEET 3 OF 3 SHEETS

IDOT USE ONLY
RECEIVED
OCT 26 2017
PLATS & LEGALS

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

REVISION DATE: / / REVISION MADE BY:

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\130033d - W0 4 Contract No. 60Y26\CAD\CADD Sheets\Civil\160Y26-ent-Plate\H03.dgn



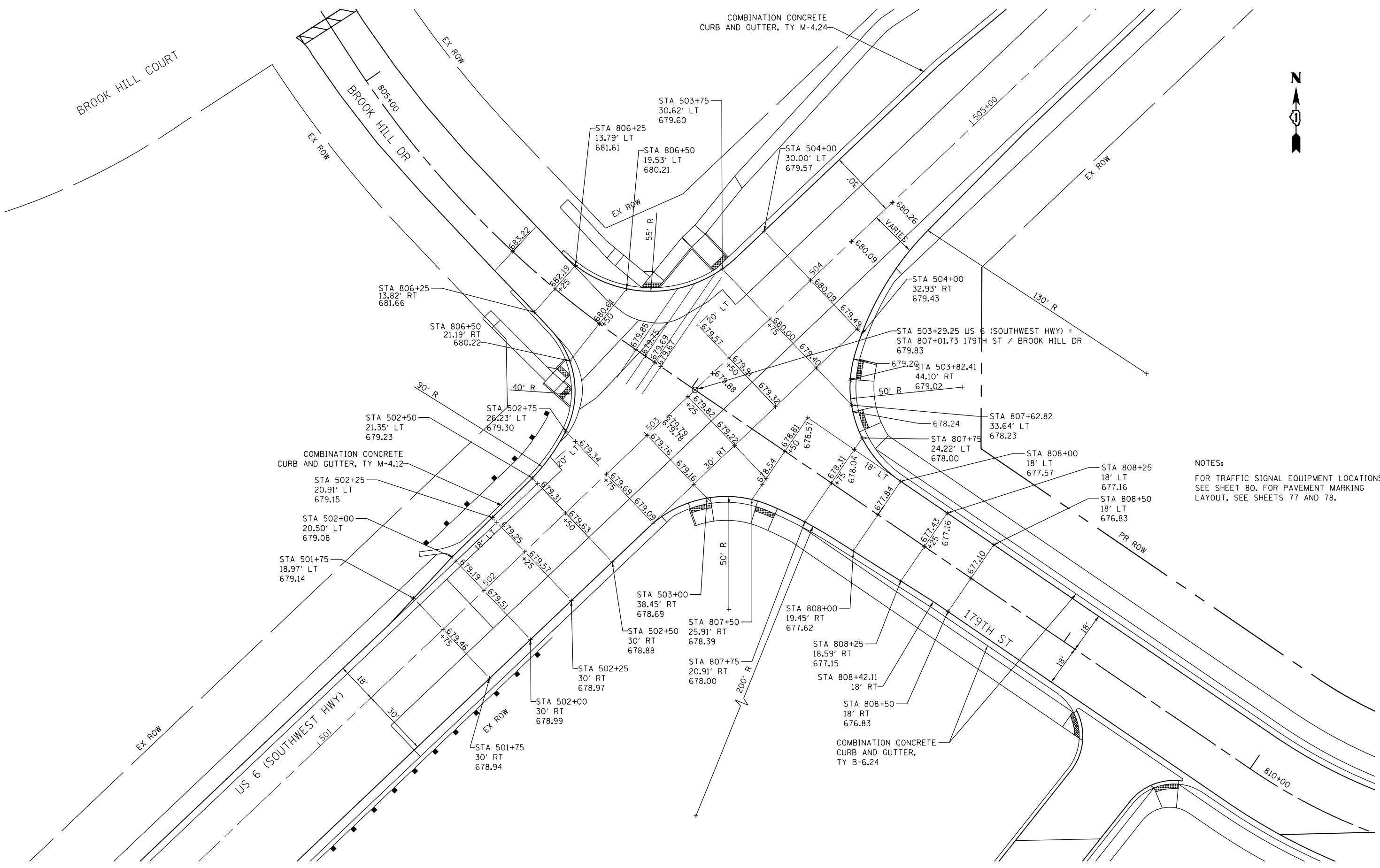
USER NAME = johnn	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/2/2018	CHECKED -	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
US RTE 6 (SOUTHWEST HWY.) AT 179TH ST./BROOK HILL DR.
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N14)	COOK	151	71
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - WD 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-Int-Intersection Details.dgn



NOTES:
FOR TRAFFIC SIGNAL EQUIPMENT LOCATIONS, SEE SHEET 80. FOR PAVEMENT MARKING LAYOUT, SEE SHEETS 77 AND 78.



USER NAME = johnn	DESIGNED - PP	REVISED -
DRAWN - CC	REVISOR -	
CHECKED - TGM	REVISOR -	
DATE - 01-29-2018	REVISOR -	

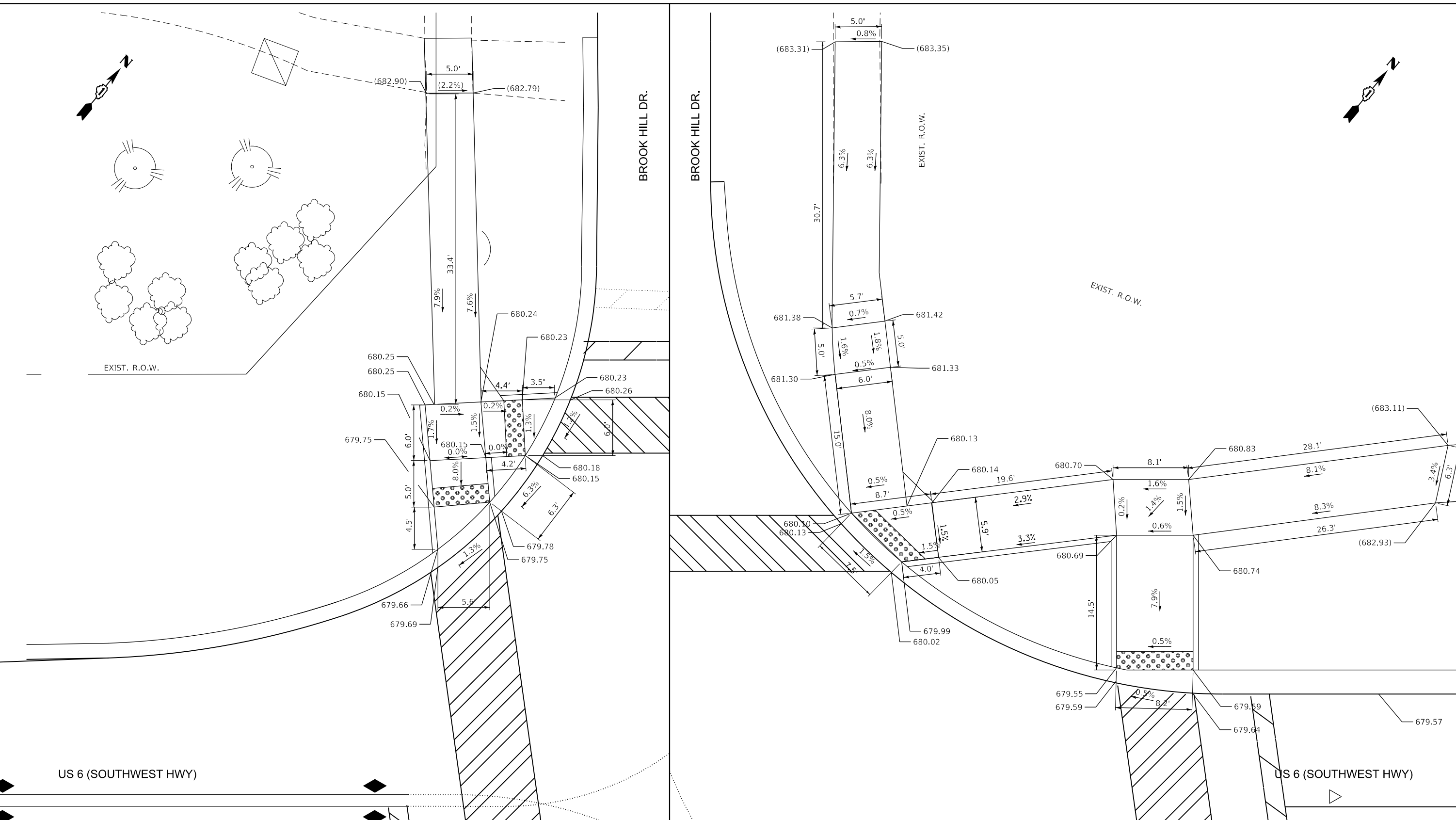
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.**

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 72
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\Live\Projects\13003 IDOT DUR\13003d - WD 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-ent-ADA.dgn



BENCHMARK TBM "B":
 CUT SQUARE ON TOP OF LIGHTPOLE FOUNDATION AT ENTRANCE TO METRA COMMUTER ACCESS LOCATED ON 179TH ST.
 ELEV.: 676.74

LEGEND

XX.XX'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		

BENCHMARK TBM "B":
 CUT SQUARE ON TOP OF LIGHTPOLE FOUNDATION AT ENTRANCE TO METRA COMMUTER ACCESS LOCATED ON 179TH ST.
 ELEV.: 676.74



USER NAME = johnn	DESIGNED - MN	REVISED -
	DRAWN - MN	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

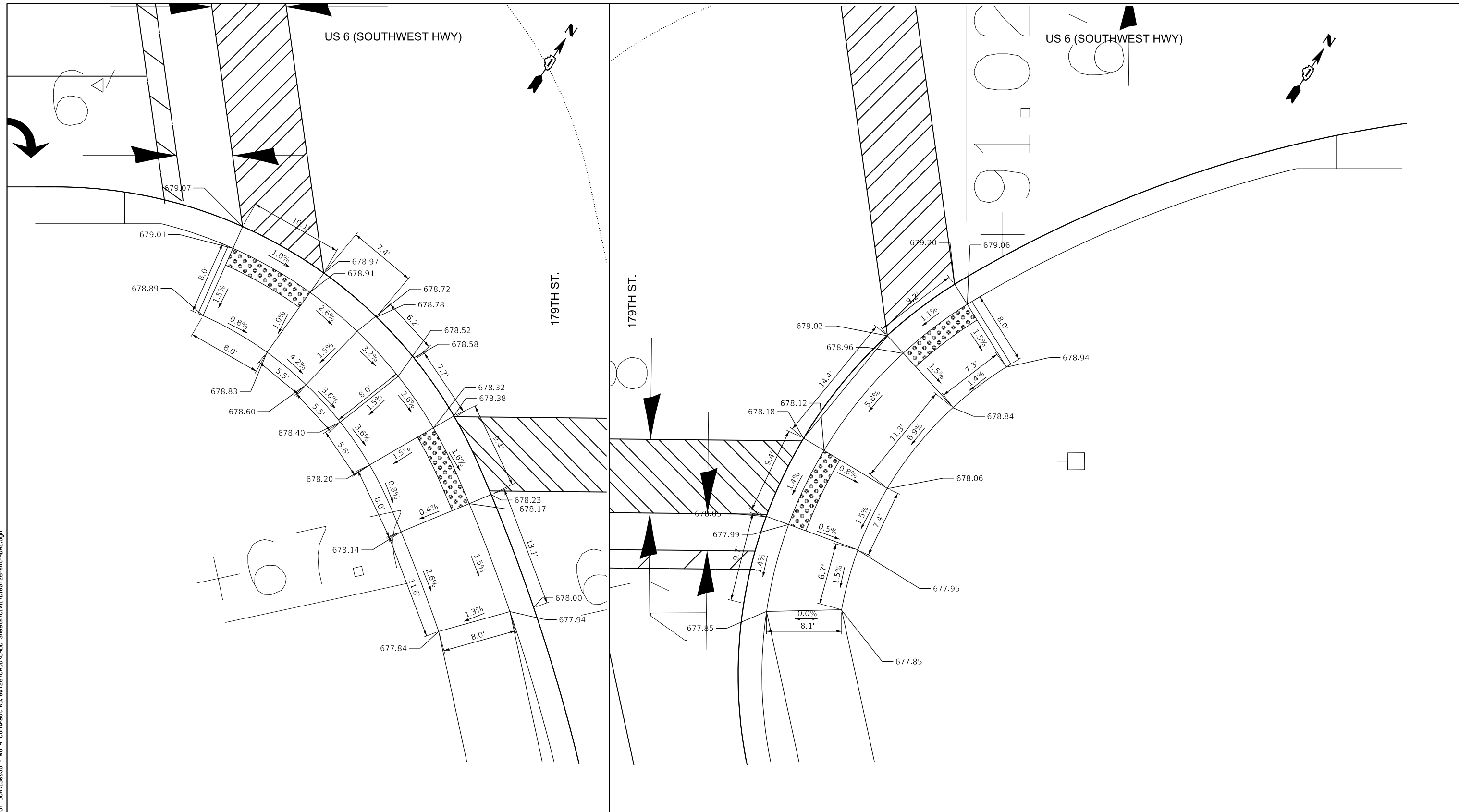
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIDEWALK RAMP DETAILS - I
US 6 (SOUTHWEST HWY. AND 179TH ST./BROOK HILL DR.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	73
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\Live\Projects\13003 IDOT DUR\13003d - WD 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-ent-AD02.dgn



BENCHMARK TBM "B":
 CUT SQUARE ON TOP OF LIGHTPOLE FOUNDATION AT ENTRANCE OF METRA COMMUTER ACCESS LOCATED ON 179TH ST.
 ELEV.: 676.74

LEGEND

XX.XX'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		

BENCHMARK TBM "B":
 CUT SQUARE ON TOP OF LIGHTPOLE FOUNDATION AT ENTRANCE TO METRA COMMUTER ACCESS LOCATED ON 179TH ST.
 ELEV.: 676.74



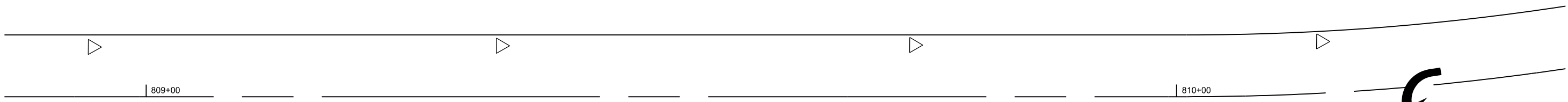
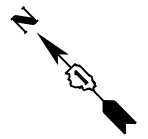
USER NAME = johnn	DESIGNED - MN	REVISED -
	DRAWN - MN	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

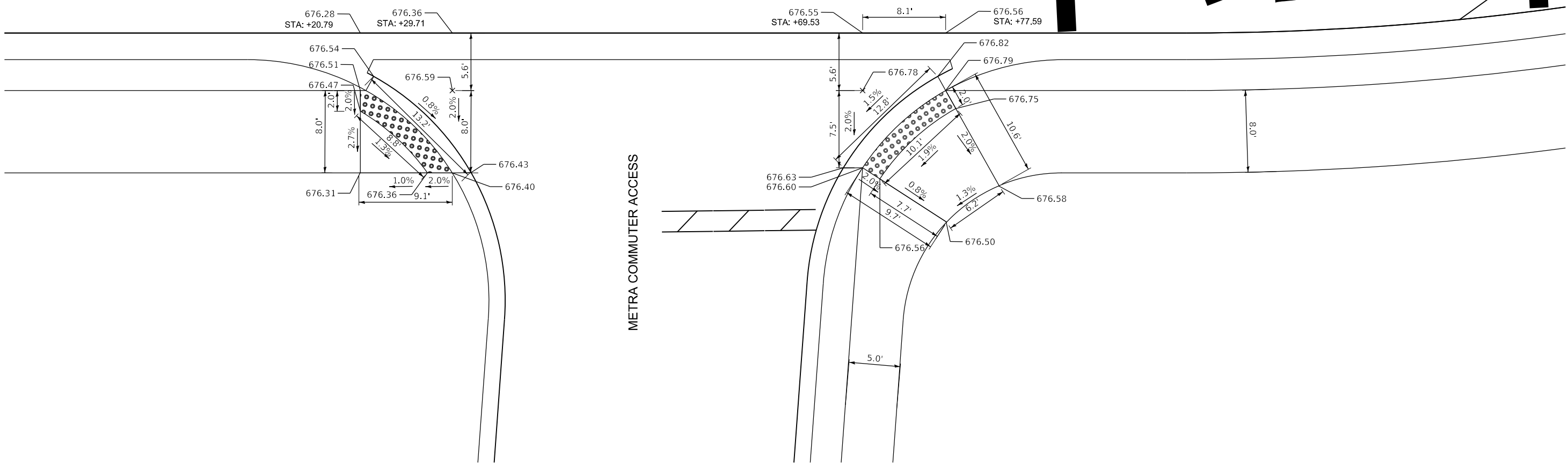
SIDEWALK RAMP DETAILS - II
US 6 (SOUTHWEST HWY. AND 179TH ST./BROOK HILL DR.)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	74
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



179TH ST.



METRA COMMUTER ACCESS

BENCHMARK TBM "B":
 CUT SQUARE ON TOP OF LIGHTPOLE FOUNDATION AT ENTRANCE TO METRA COMMUTER ACCESS LOCATED ON 179TH ST.
 ELEV.: 676.74

LEGEND	
XX.XX'	EXISTING LENGTH
	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
	PROPOSED SIDEWALK
	DETECTABLE WARNINGS



USER NAME = johnn	DESIGNED - MN	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - MN	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP DETAILS - III
 US 6 (SOUTHWEST HWY. AND 179TH ST./BROOK HILL DR.)
 SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	75
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - WD 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\160Y26-ent-ADA3.dgn

**BEGIN PAVEMENT MARKING
STA 492 + 65**

**BEGIN IMPROVEMENT
STA 495 + 50**

PAVEMENT MARKING LEGEND

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE - 2' LINE, 6' SPACE)
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL @ 45°, 3' C-C SPACING)
- 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL @ 45°, 75' C-C SPACING)
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- 10 RAISED REFLECTIVE PAVEMENT MARKER
- 11 TERMINAL MARKER, DIRECT APPLIED
- 12 GUARDRAIL REFLECTORS, TYPE B

NOTES

1. INSTALL ALL PAVEMENT MARKINGS IN ACCORDANCE WITH IDOT DISTRICT 1 DETAIL TC-13.
2. INSTALL ALL RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH IDOT DISTRICT 1 DETAIL TC-11.

**MATCH LINE STA 505+00
SEE ABOVE**

**END IMPROVEMENT
STA 510 + 50**

**END PAVEMENT MARKING
STA 513 + 35**

NOTE:
SEE SHEET 79 FOR SIGN LEGEND

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - W0 4 Contract No. 60Y26\CADD\CADD Sheets\C.v1\160Y26-ent-PavMark US6.dgn



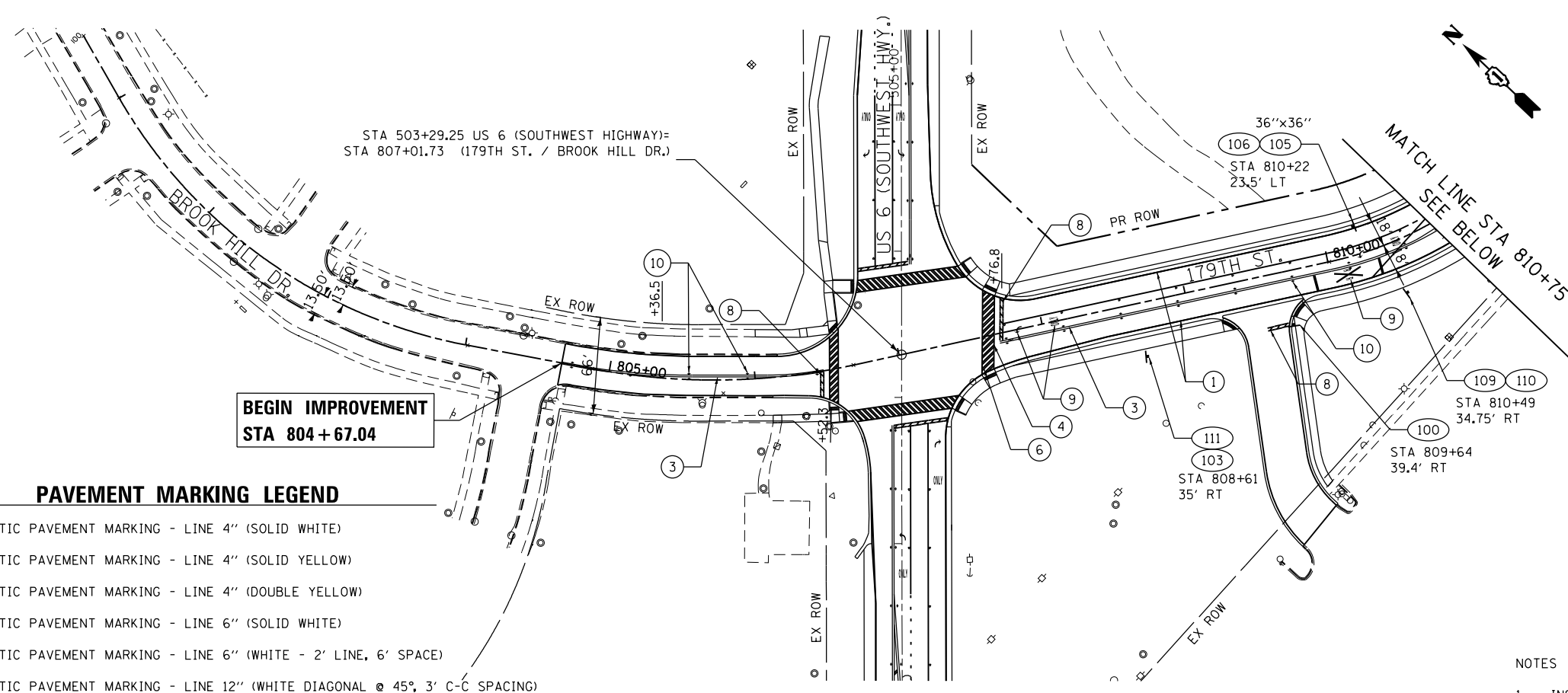
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PLOT SCALE = 100.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 2/2/2018	CHECKED - TGM	REVISED -
	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
US 6 (SOUTHWEST HWY.)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	77
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



**BEGIN IMPROVEMENT
STA 804 + 67.04**

**END IMPROVEMENT
STA 812 + 61.98**

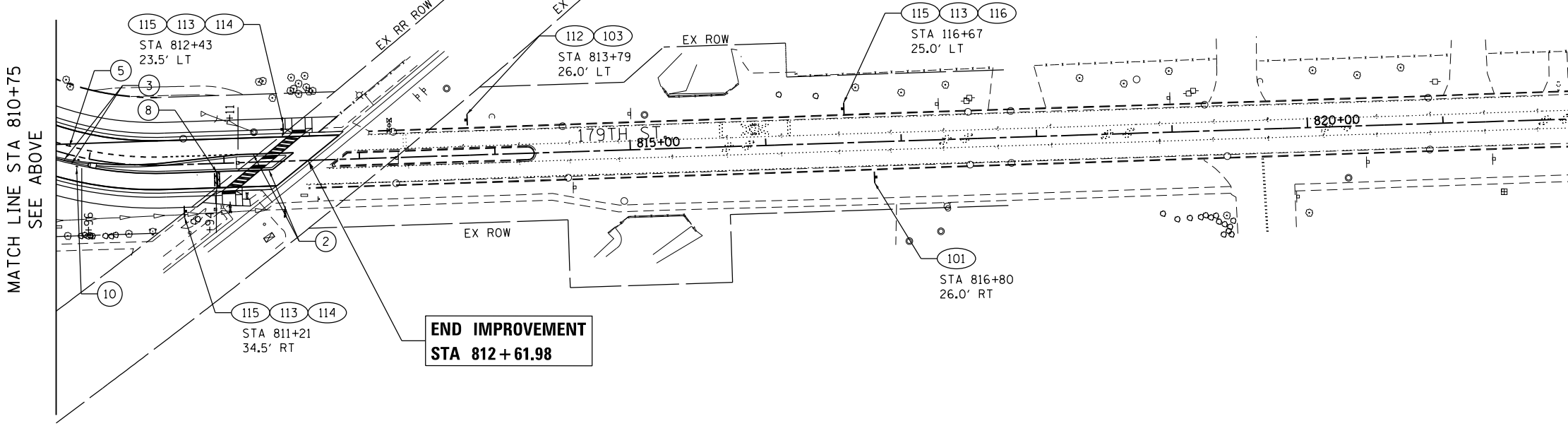
PAVEMENT MARKING LEGEND

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE - 2' LINE, 6' SPACE)
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL @ 45°, 3' C-C SPACING)
- 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL @ 45°, 75' C-C SPACING)
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- 10 RAISED REFLECTIVE PAVEMENT MARKER
- 11 TERMINAL MARKER, DIRECT APPLIED
- 12 GUARDRAIL REFLECTORS, TYPE B

NOTES

1. INSTALL ALL PAVEMENT MARKINGS IN ACCORDANCE WITH IDOT DISTRICT 1 DETAIL TC-13.
2. INSTALL ALL RAISED REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH IDOT DISTRICT 1 DETAIL TC-11.

NOTE:
SEE SHEET 79 FOR SIGN LEGEND



MATCH LINE STA 810+75
SEE ABOVE

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-ent-PavMark 179th.dgn



USER NAME = johnn	DESIGNED - AB	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 2/2/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
179TH ST./BROOK HILL DR.**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	31780-N(14)	COOK	151	78
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - WD 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-ent-Sigma.dgn



100
36"x36"
R1-1



101
30"x36"
R2-1



102
30"x36"
R2-1



103
18"x18"
W13-1P(35)



104
24"x24"
M1-4



105
36"x36"
M1-4



107
24"x12"
M3-4



108
24"x12"
M3-2



109
36" DIA.
W10-1



110
30"x24"
W10-9P



111
36"x36"
W1-2L



112
36"x36"
W1-2R



113
36"x36"
W11-2



114
24"x12"
W16-7P



115
12" DIA.
SOLAR POWER
FLASHING BEACON



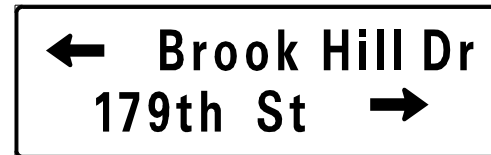
116
24"x18"
W16-2P



117
I-7
24"x24"
W/BBLUE



118
21"x15"
W/BBLUE



119
30"x96"
W/GREEN
SEE PLAN SHEET 82
FOR DETAILS



120
30"x96"
W/GREEN
SEE PLAN SHEET 82
FOR DETAILS



USER NAME = johnn	DESIGNED - AB	REVISED -
DRAWN - JN	REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

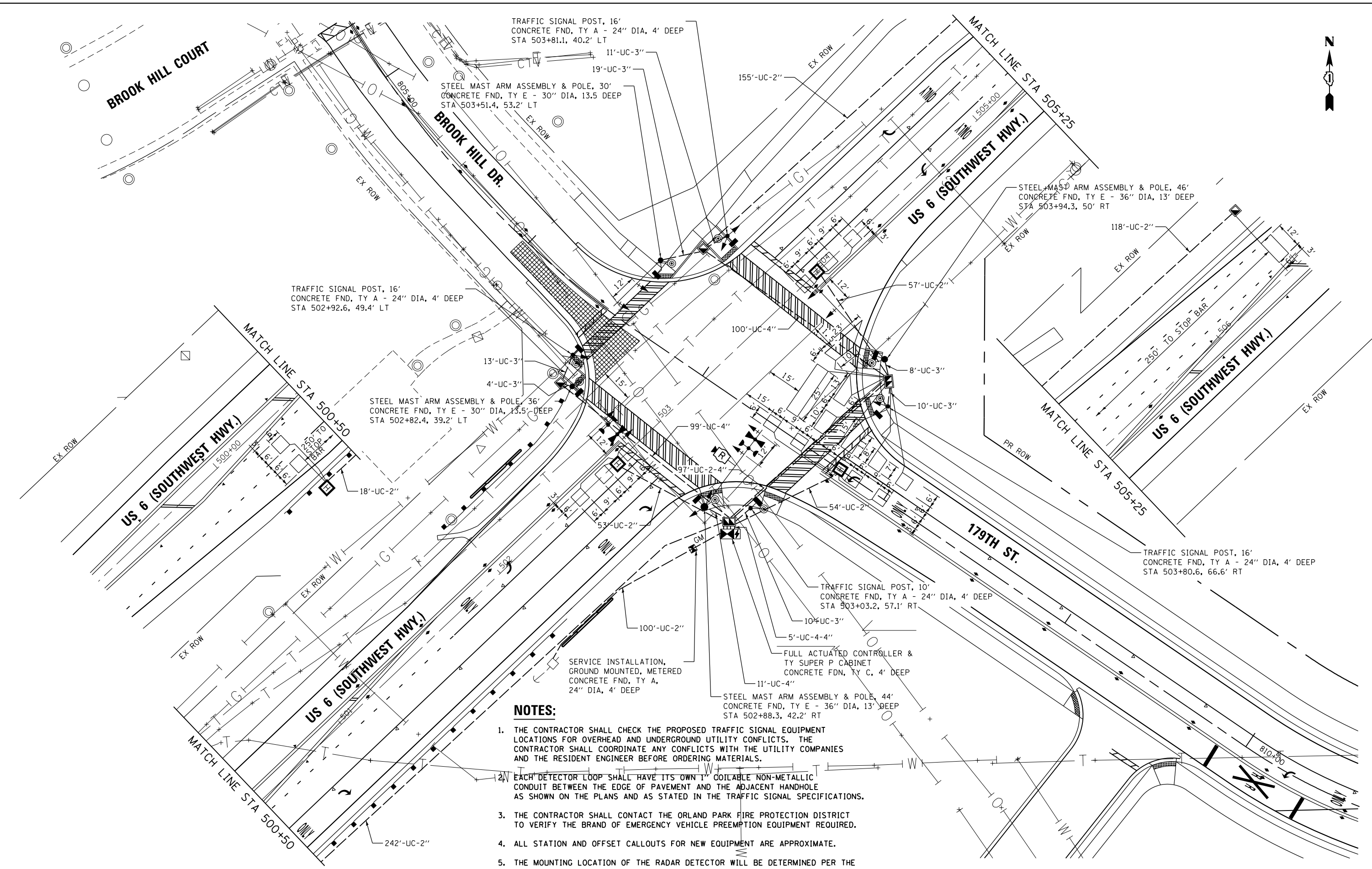
SIGN LEGEND
US 6 (SOUTHWEST HWY.) AND 179TH ST./BROOK HILL DR.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	79
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				



FILE NAME = D:\Engineering\LiveProjects\13003 IDOT DUR\13003.dwg - W0 4 Contract No. 60Y26\CADD\CADD Sheets\C:\w1\160Y26-ant-TS.dgn



NOTES:

1. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD AND UNDERGROUND UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
2. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
3. THE CONTRACTOR SHALL CONTACT THE ORLAND PARK FIRE PROTECTION DISTRICT TO VERIFY THE BRAND OF EMERGENCY VEHICLE PREEMPTION EQUIPMENT REQUIRED.
4. ALL STATION AND OFFSET CALLOUTS FOR NEW EQUIPMENT ARE APPROXIMATE.
5. THE MOUNTING LOCATION OF THE RADAR DETECTOR WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATION.



USER NAME = johnn	DESIGNED - DH	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - DH	REVISED -
PLOT DATE = 3/9/2018	CHECKED - JMT	REVISED -
	DATE - 01-29-2018	REVISED -

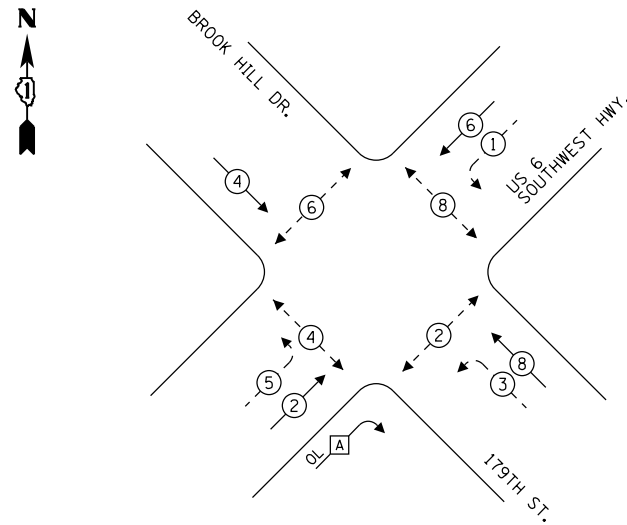
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLAN
US 6 (SOUTHWEST HWY.) AND 179TH ST / BROOK HILL DR**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	80
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

PROPOSED CONTROLLER SEQUENCE



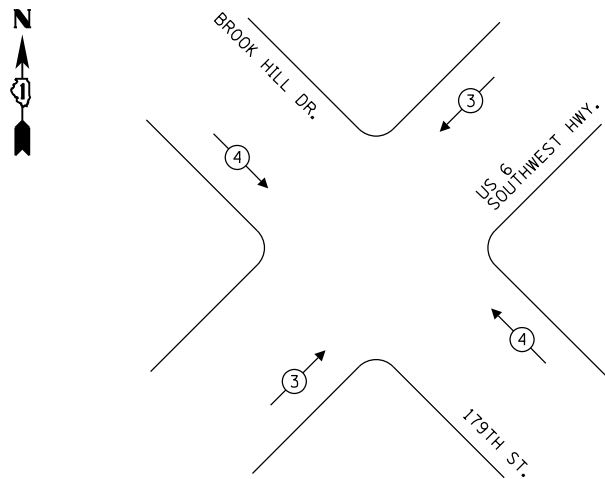
LEGEND:

- ← ⊙ → PROTECTED PHASE
- ← ⊙ - - PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL → OVERLAP
- * NUMBER REFERS TO ASSOCIATED PHASE

RIGHT TURN OVERLAP PHASE DESIGNATION:

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

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

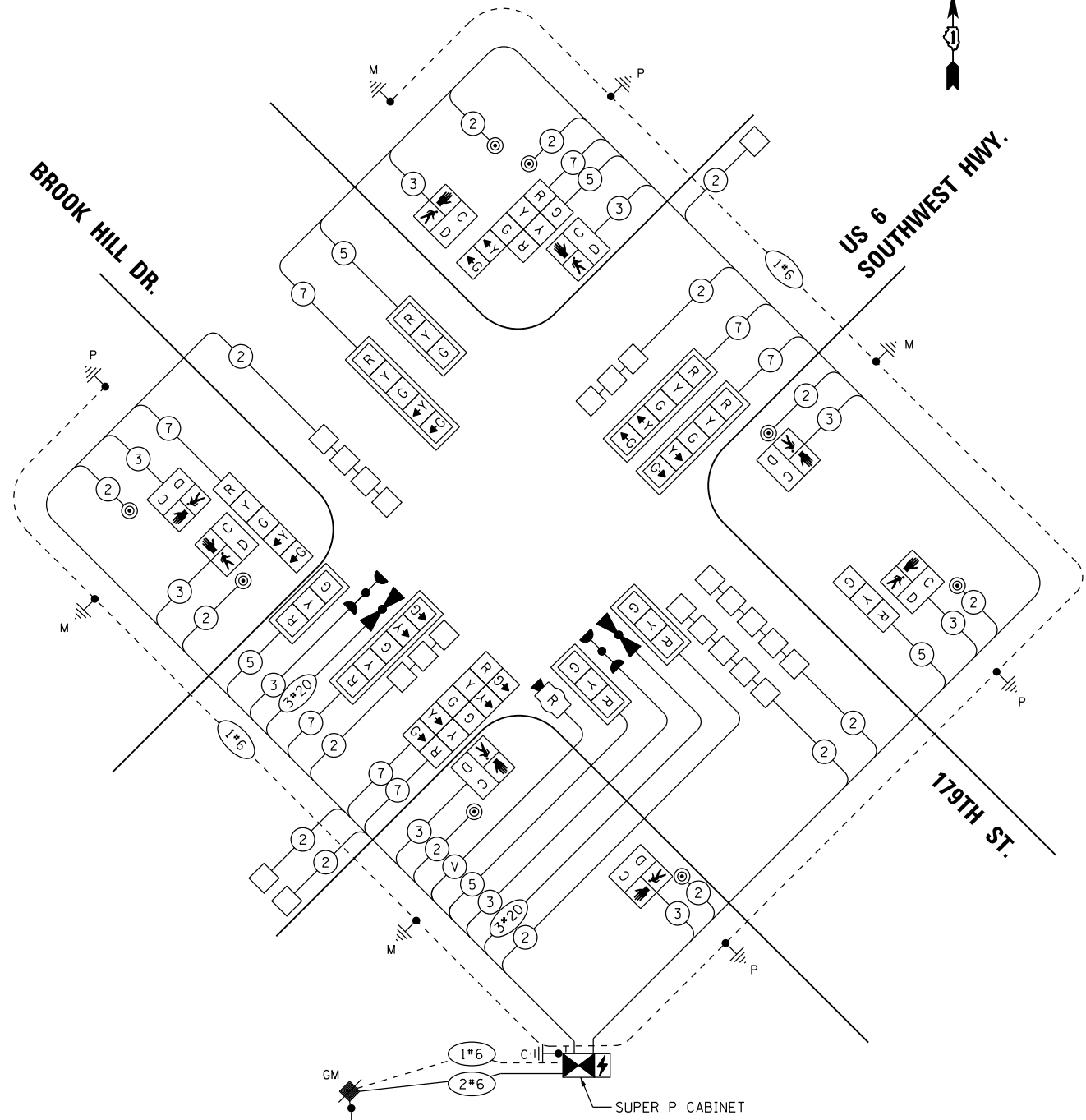


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	0.50	77
(YELLOW)	14	20	0.05	14
(GREEN)	14	12	0.45	75.6
PERMISSIVE ARROW	16	16	0.10	25.6
PED. SIGNAL	8	20	1.00	160
CONTROLLER	1	100	1.00	100
UPS	1	25	1.00	25
TOTAL =				477.2

ENERGY COST TO: Illinois Department of Transportation
 Division of Highways / District 1
 201 W Center Court/Schaumburg, Illinois 60196-1096

ENERGY SUPPLY: CONTACT: MARK TULACH, PE
 PHONE: (630) 437-2212
 COMPANY: ComEd



CABLE PLAN
 NOT TO SCALE

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUV\13003.dwg - W 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\160Y26-ent-ts2-prod.dgn



USER NAME = johnn	DESIGNED - DH	REVISED -
DRAWN - DH	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 2/2/2018	DATE - 01-29-2018	REVISED -

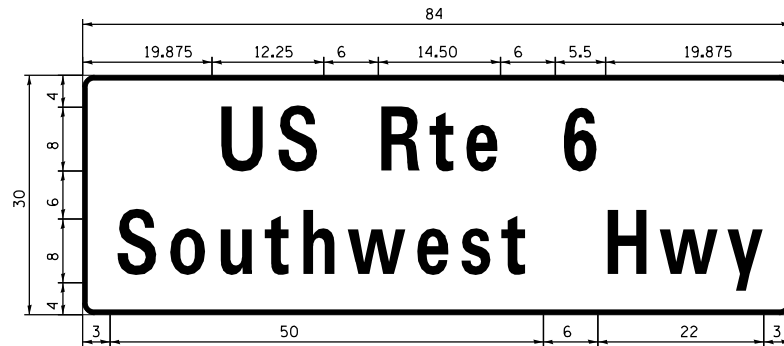
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PHASING DIAGRAM & CABLE DIAGRAM
US 6 (SOUTHWEST HWY.) AND 179TH ST / BROOK HILL DR

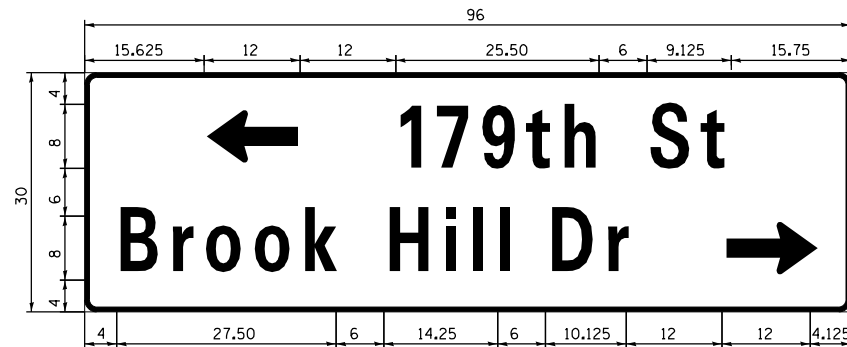
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	31780-N(14)	COOK	151	81
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

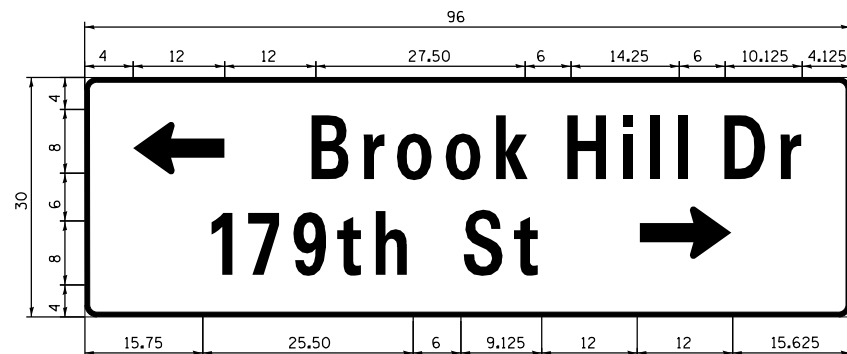
SIGN PANEL – TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	17.5	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	20	2	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	20	2	ZZ	1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QTY.
SIGN PANEL-TYPE 2	SQ FT	75
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	797
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	75
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	424
HANDHOLE	EACH	3
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1218
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1528
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1096
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1439
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PR	FOOT	1584
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	134
ELECTRIC CABLE IN CONDUIT, EQUIP. GROUNDING CONDUCTOR, NO. 6 1C	FOOT	637
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FOOT	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FOOT	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 30 FOOT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FOOT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FOOT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FOOT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
PED. SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED W/COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	9
DETECTOR LOOP, TYPE I	FOOT	993
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH BUTTON	EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	280
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

- 100% COST TO ORLAND PARK FIRE PROTECTION DISTRICT

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003d - W0 4 Contract No. 60Y26\CADD\CADD Sheets\Civil\60Y26-ent-ts-sign.dgn



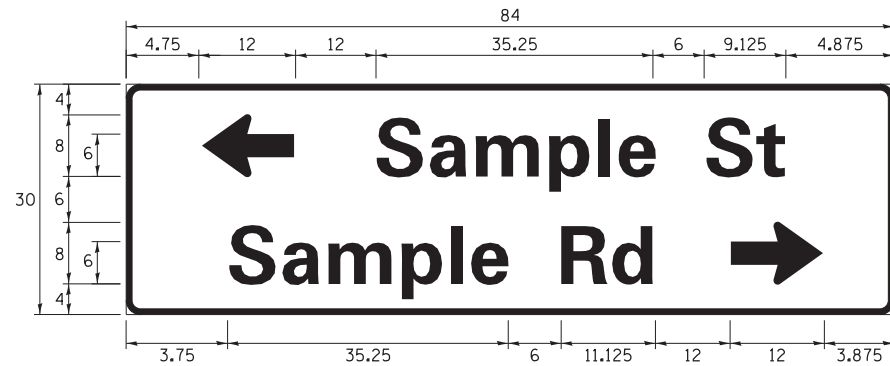
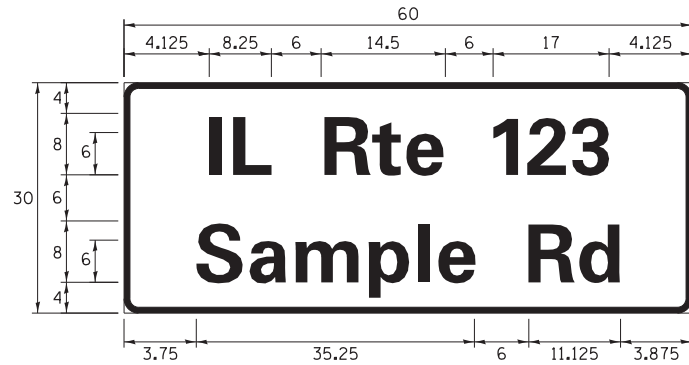
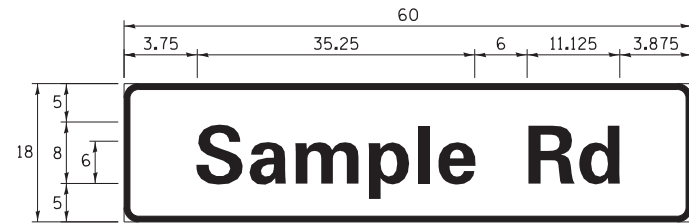
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAST ARM MOUNTED STREET NAME SIGNS	
US 6 (SOUTHWEST HWY.) AND 179TH ST / BROOK HILL DR	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	82
CONTRACT NO. 60Y26				
ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



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

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

GENERAL NOTES

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

LOCAL SUPPLIERS:

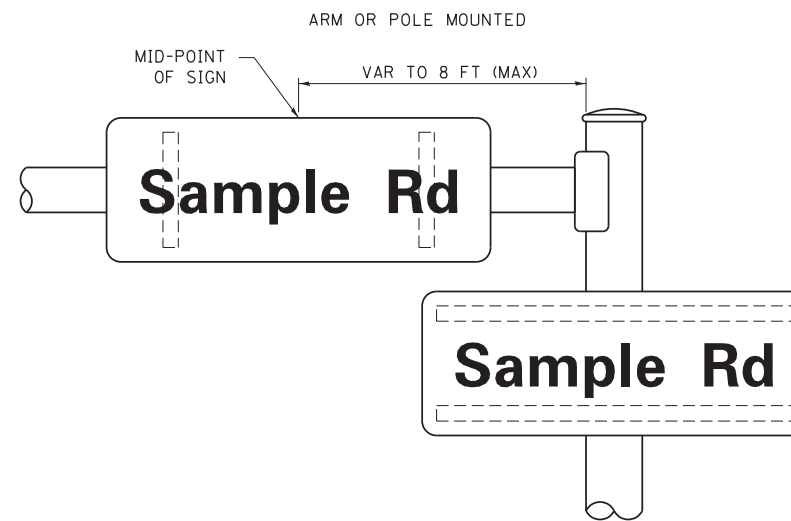
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

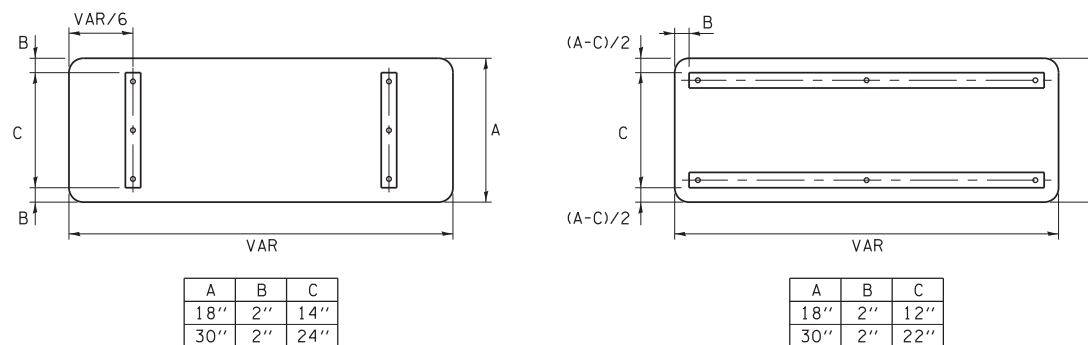
- SIGN CHANNEL PART *HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
- SIGN SCREWS SELF TAPPING WITH NEOPRENE WASHER
PART *HPN034 (UNIVERSAL)
- BRACKETS CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

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

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

TRAFFIC SIGNAL LEGEND

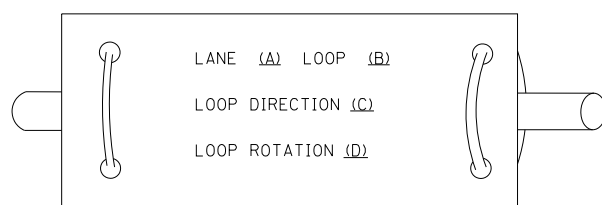
(NOT TO SCALE)

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

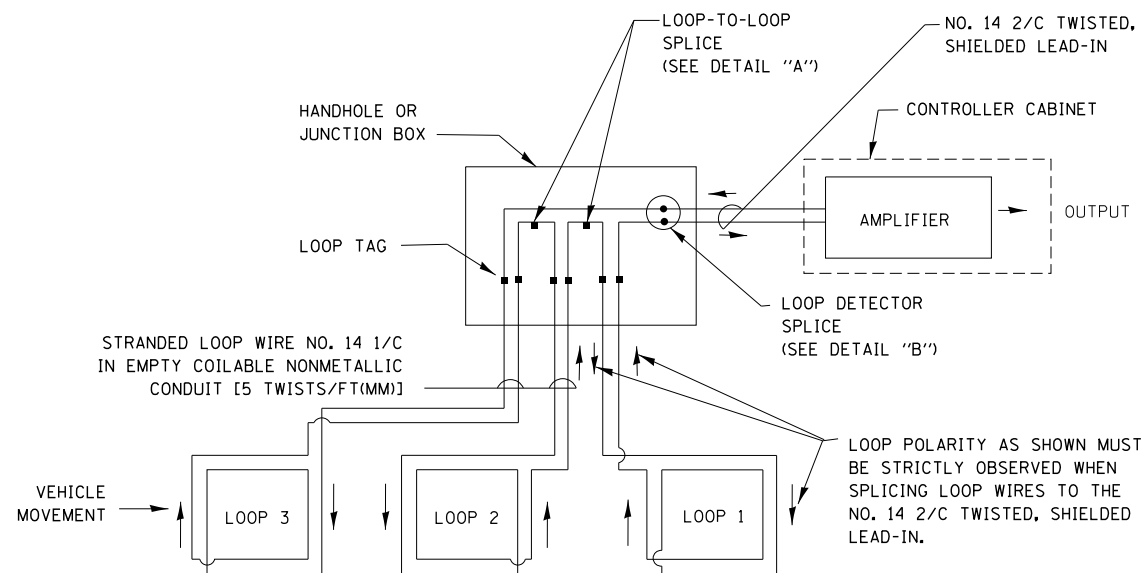
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

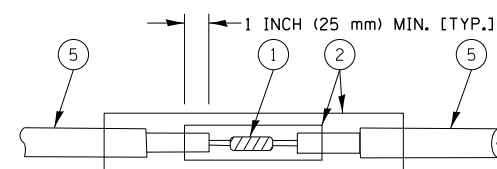


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

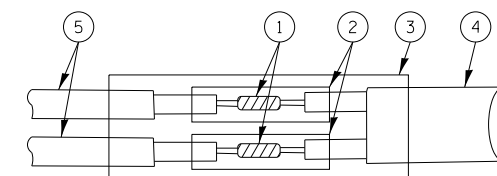


DETECTOR LOOP WIRING SCHEMATIC

- 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.

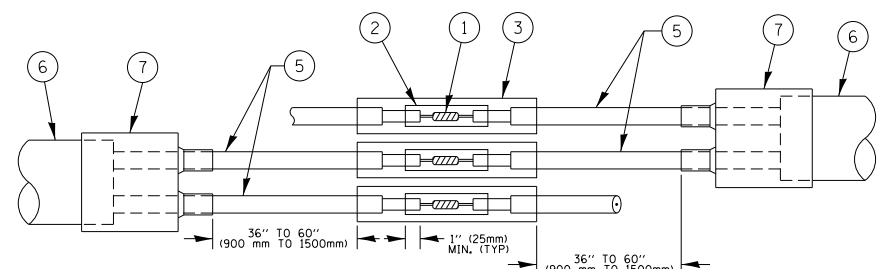


DETAIL "A"
LOOP-TO-LOOP SPLICE

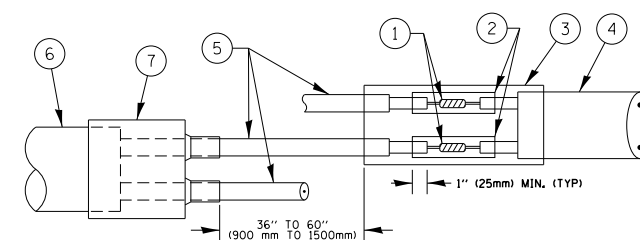


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

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

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
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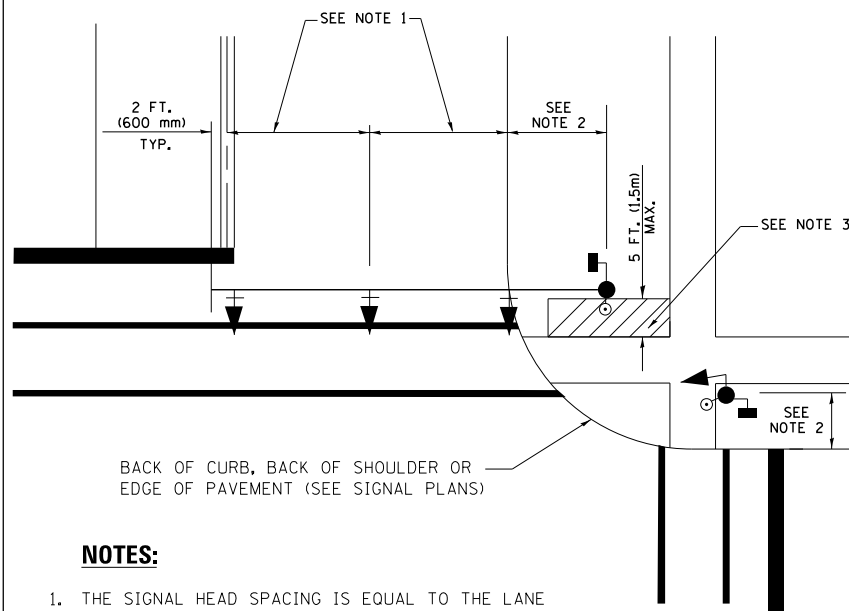
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	85
	TS-05	CONTRACT NO.	60Y26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

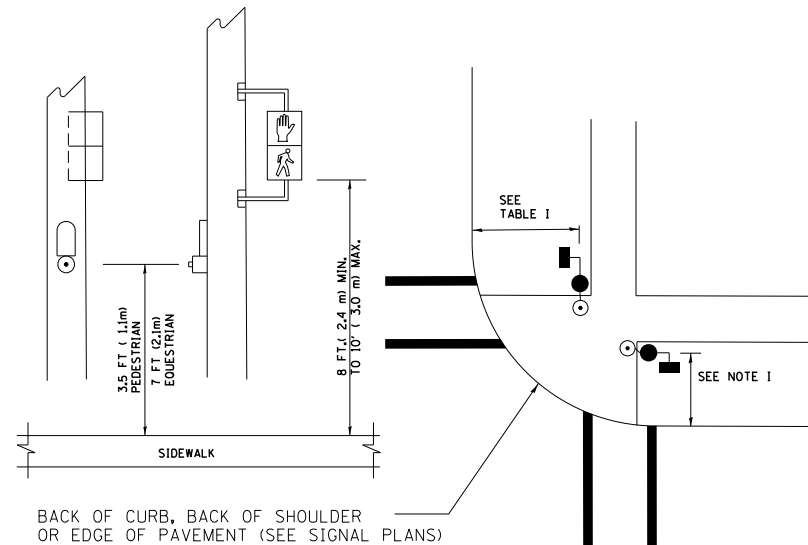
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

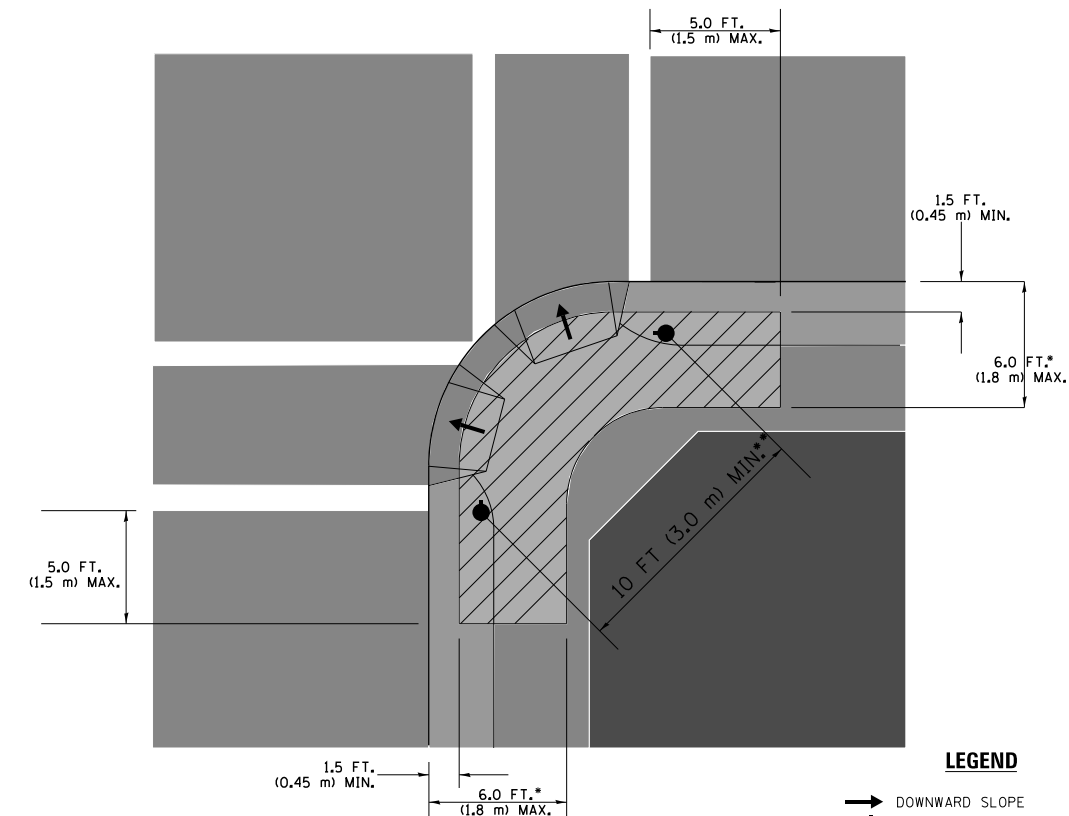
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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:

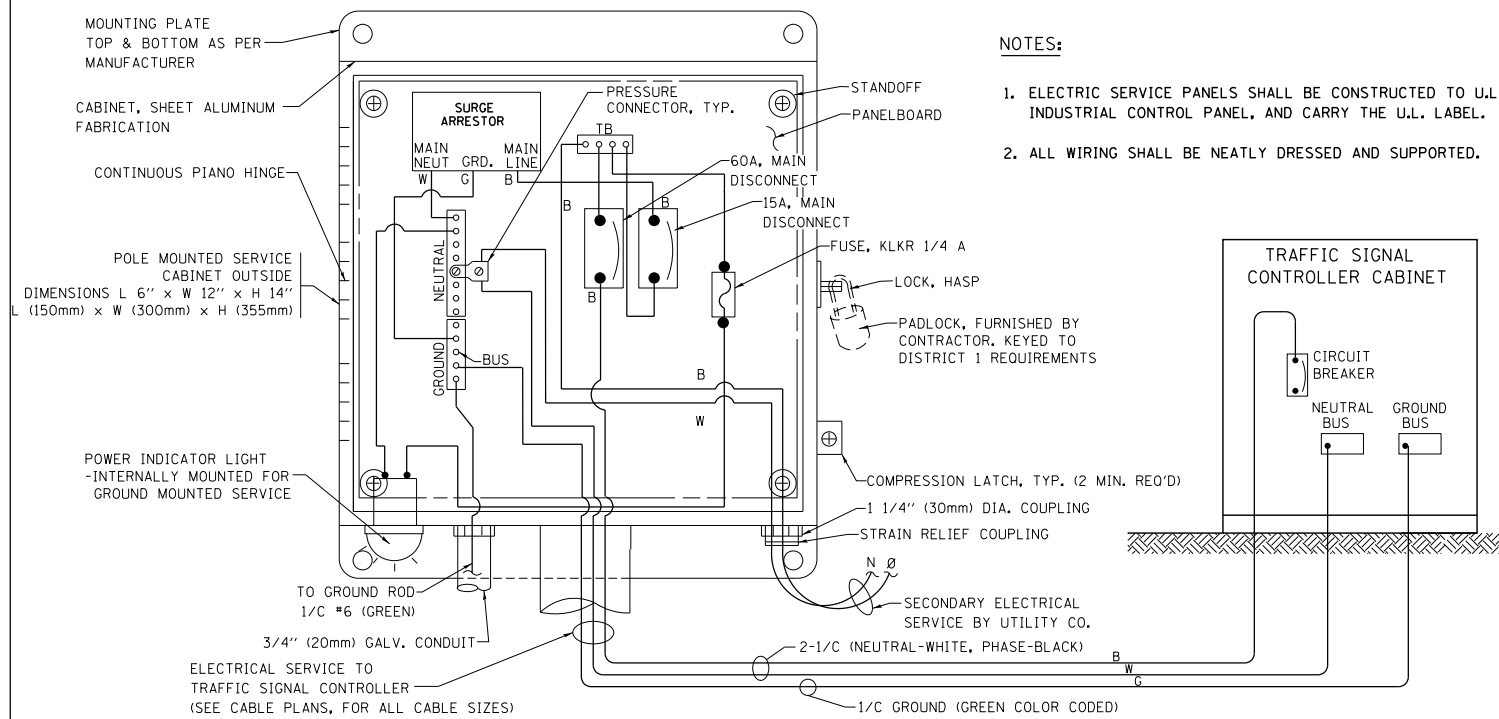
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

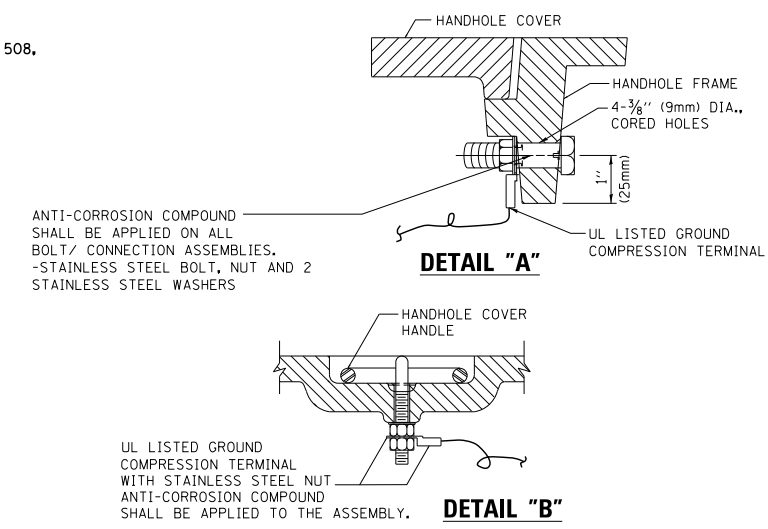
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

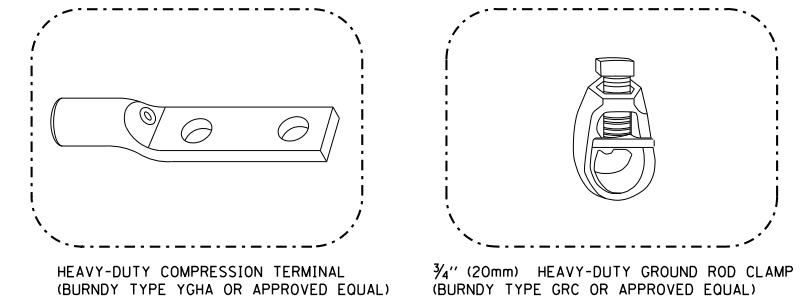
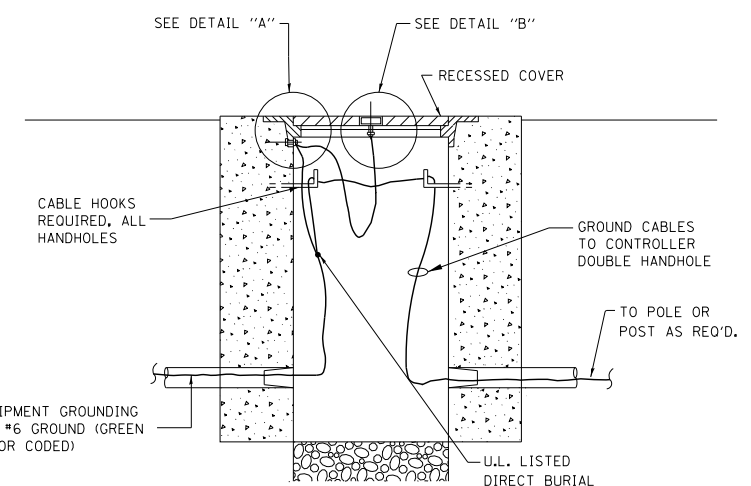


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

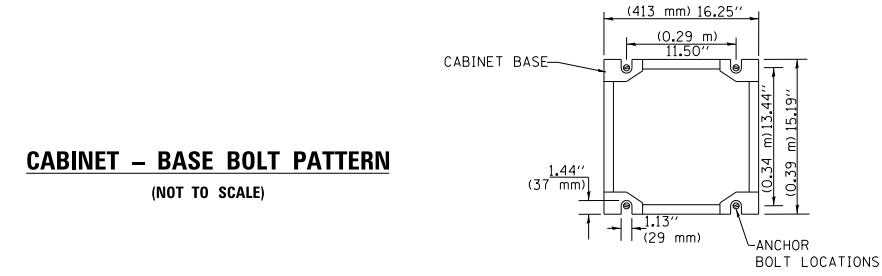
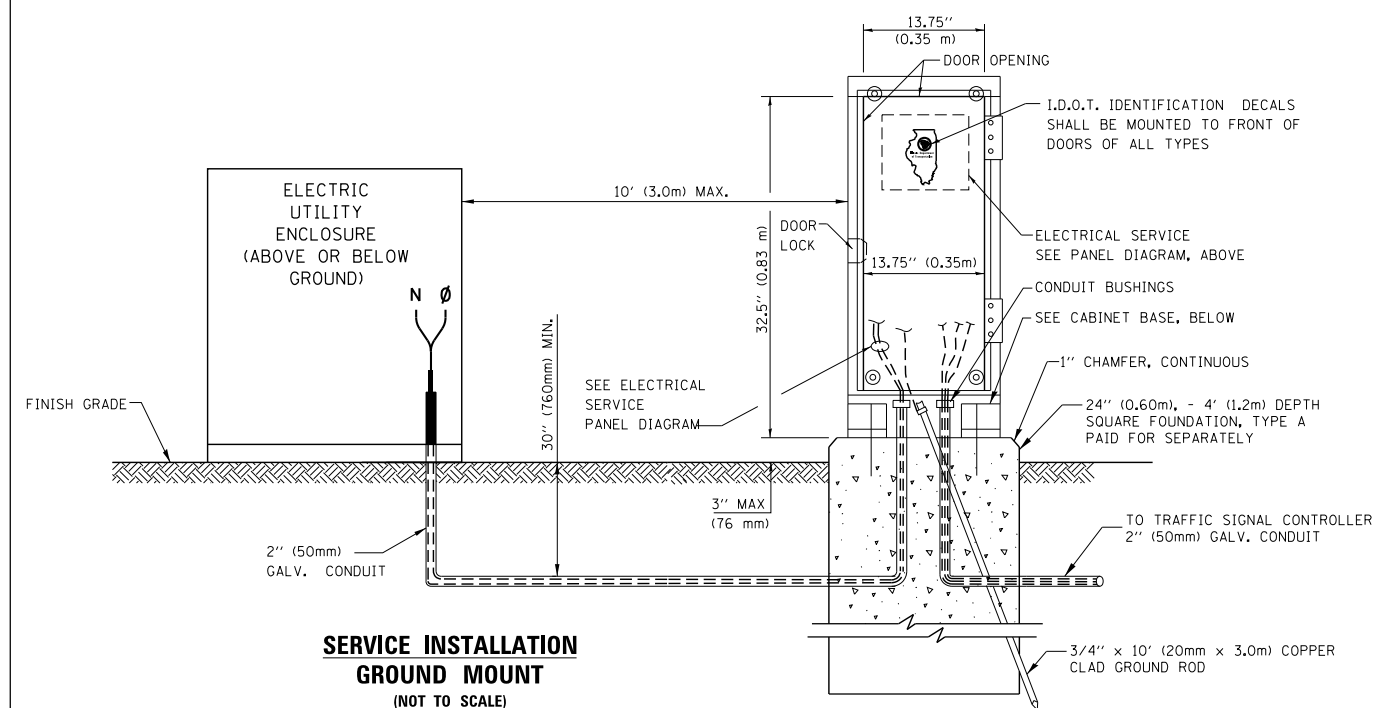
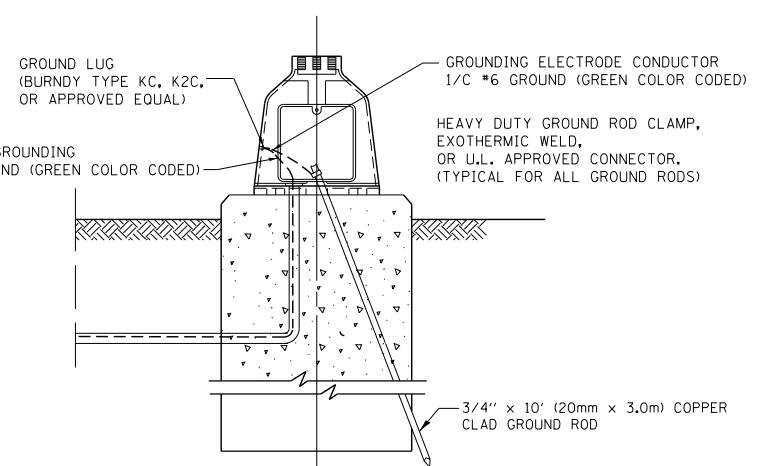
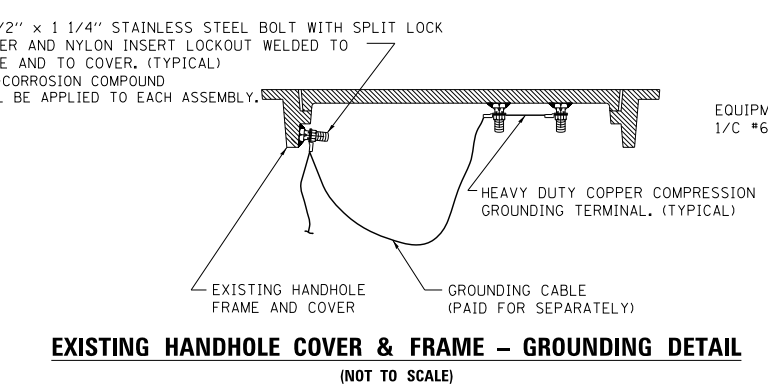


**NOTES:
GROUNDING SYSTEM**

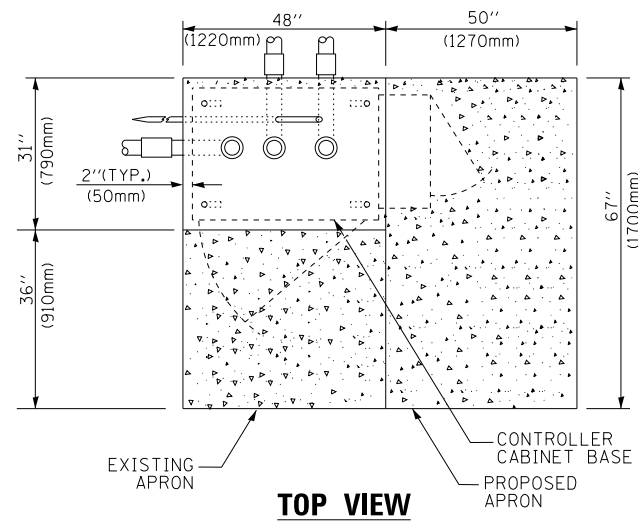
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST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



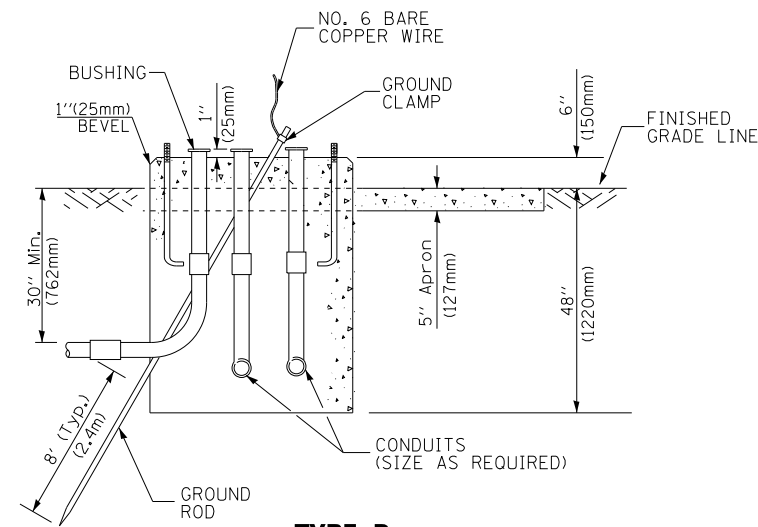
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



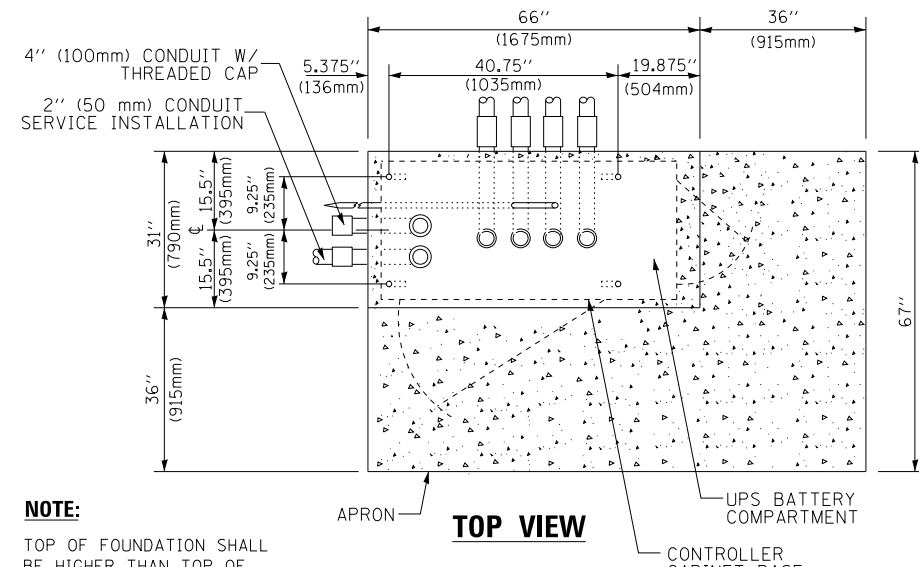
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		CHECKED - DAD	REVISED -						TS-05		CONTRACT NO.	60Y26	
		DATE - 10-28-09	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW



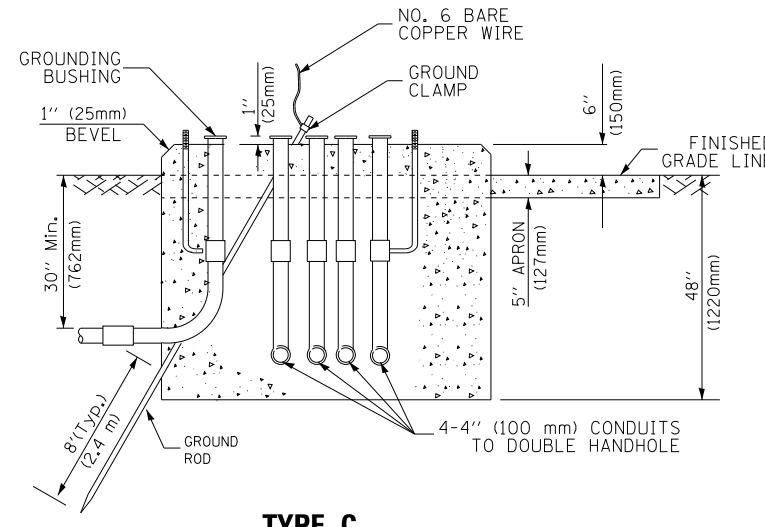
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



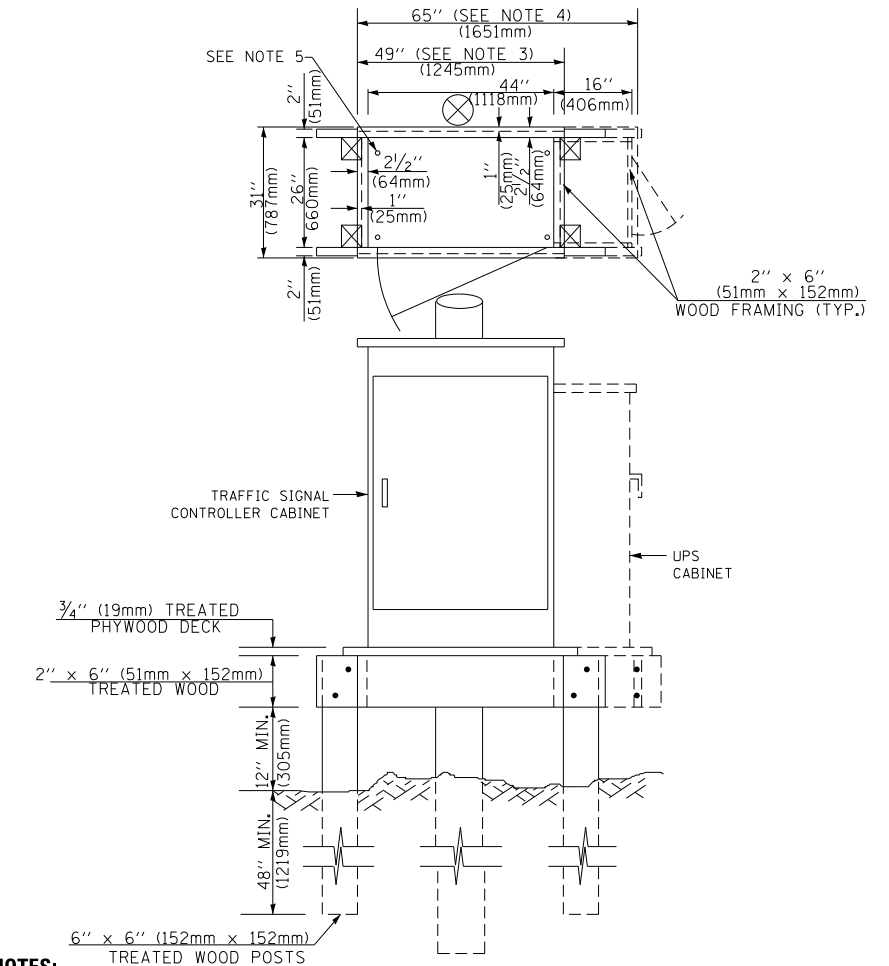
TOP VIEW

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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

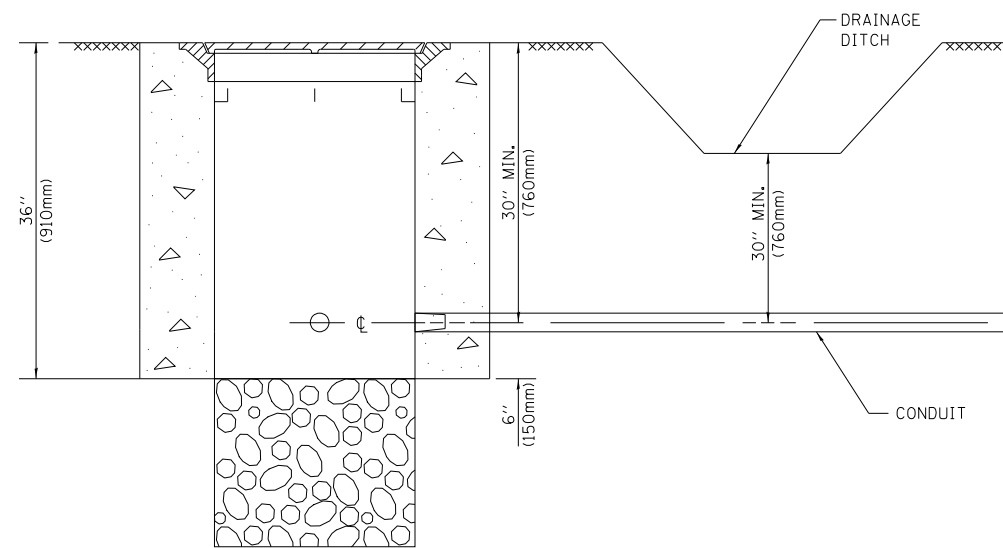
1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

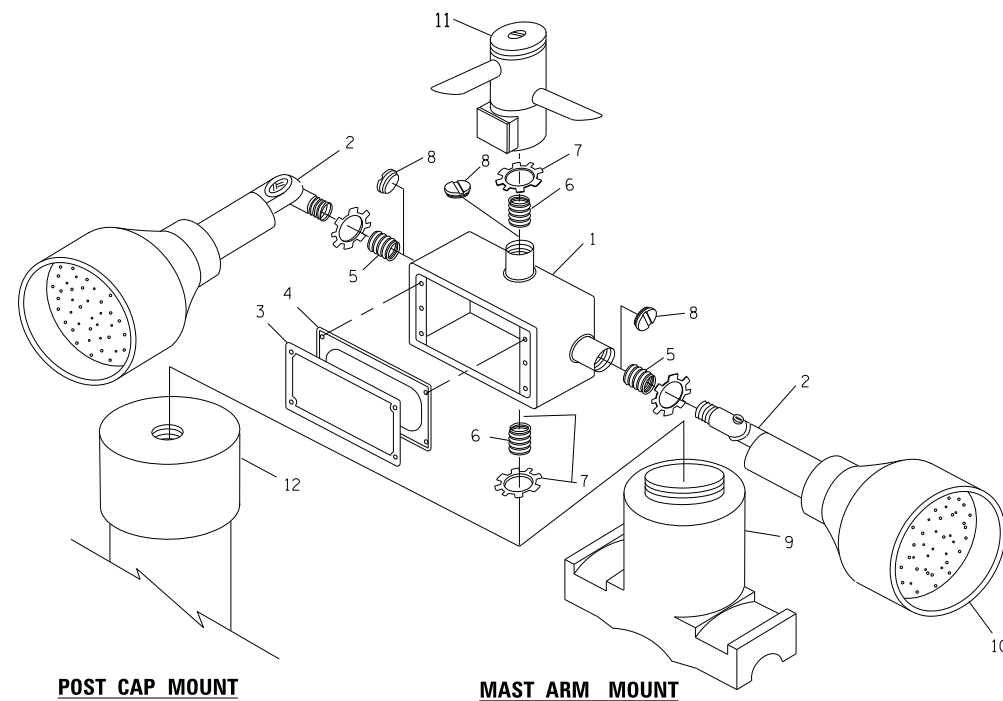
DISTRICT ONE		FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		0297	3178G-N(14)	COOK	151	88
SCALE: NONE		SHEET NO. 5 OF 7 SHEETS		STA.	TO STA.	
		FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 60Y26				



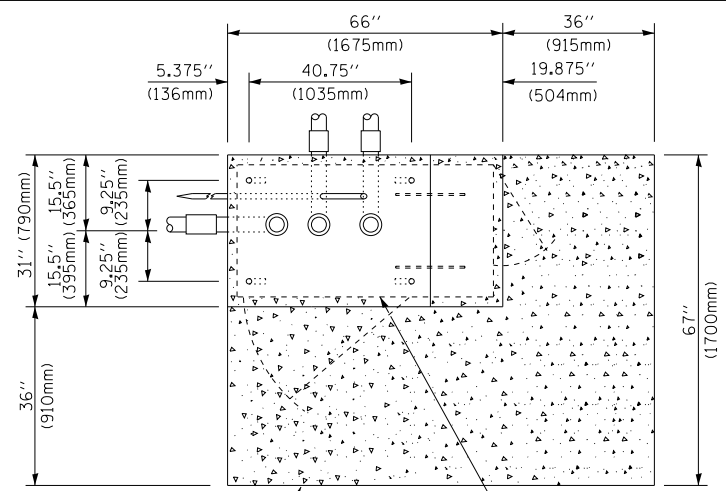
NOTES:

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

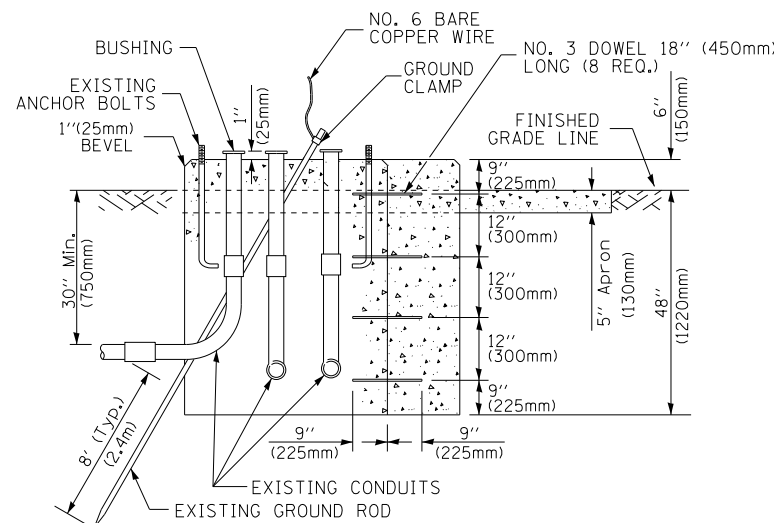
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



TOP VIEW
(NOT TO SCALE)



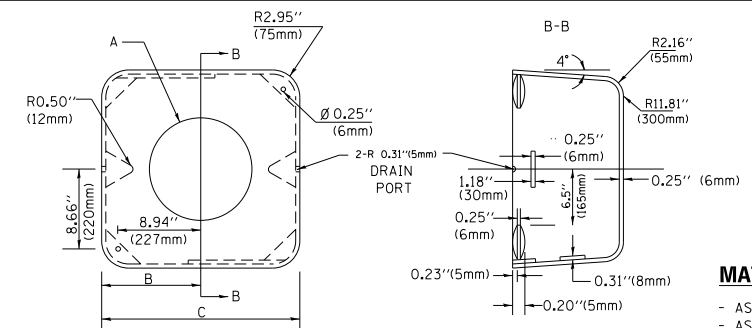
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(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:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



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

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

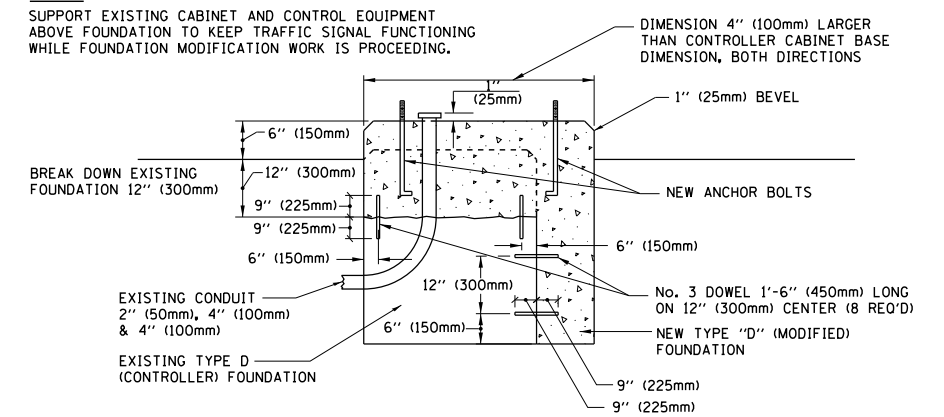
SHROUD

NOTES:

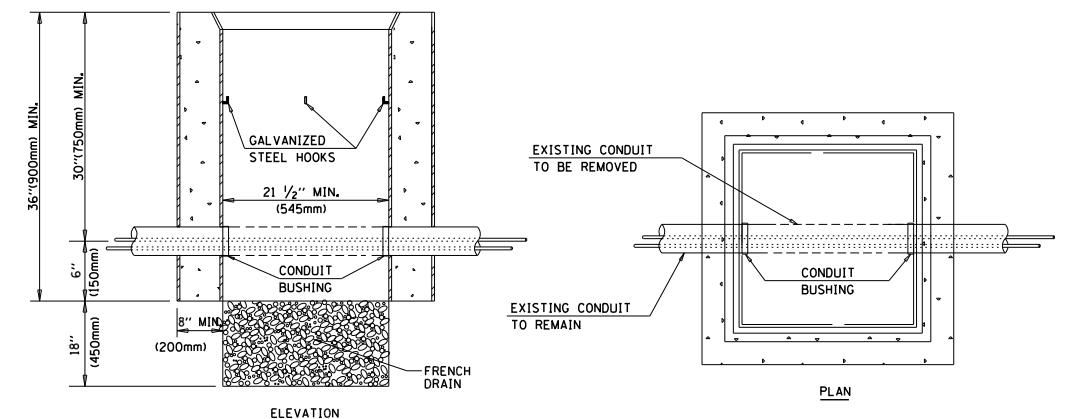
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

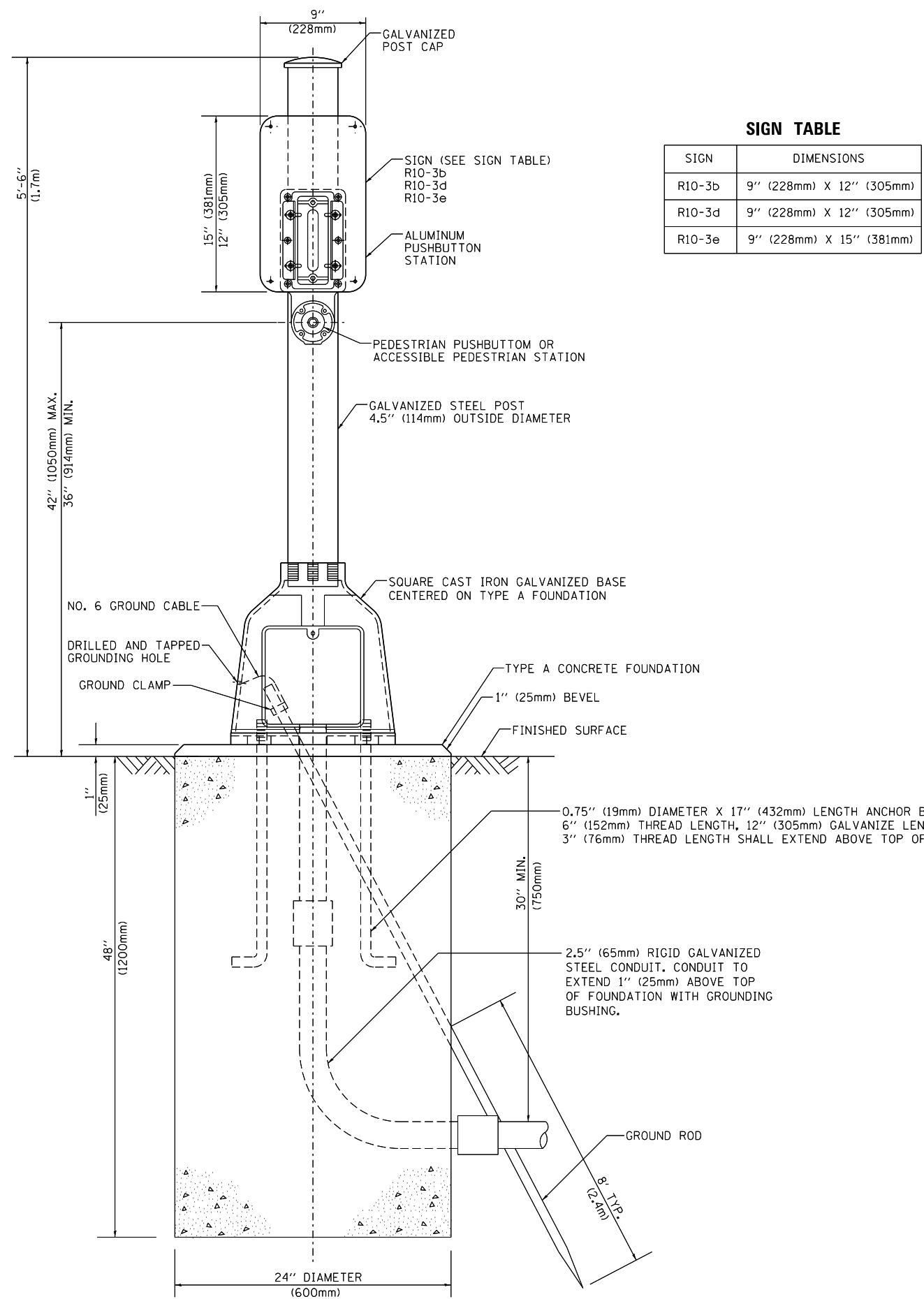
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

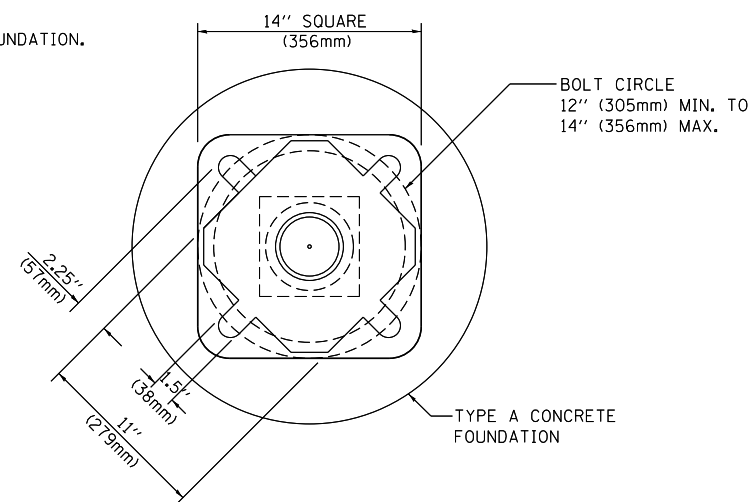
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FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	89
	TS-05	CONTRACT NO.	60Y26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

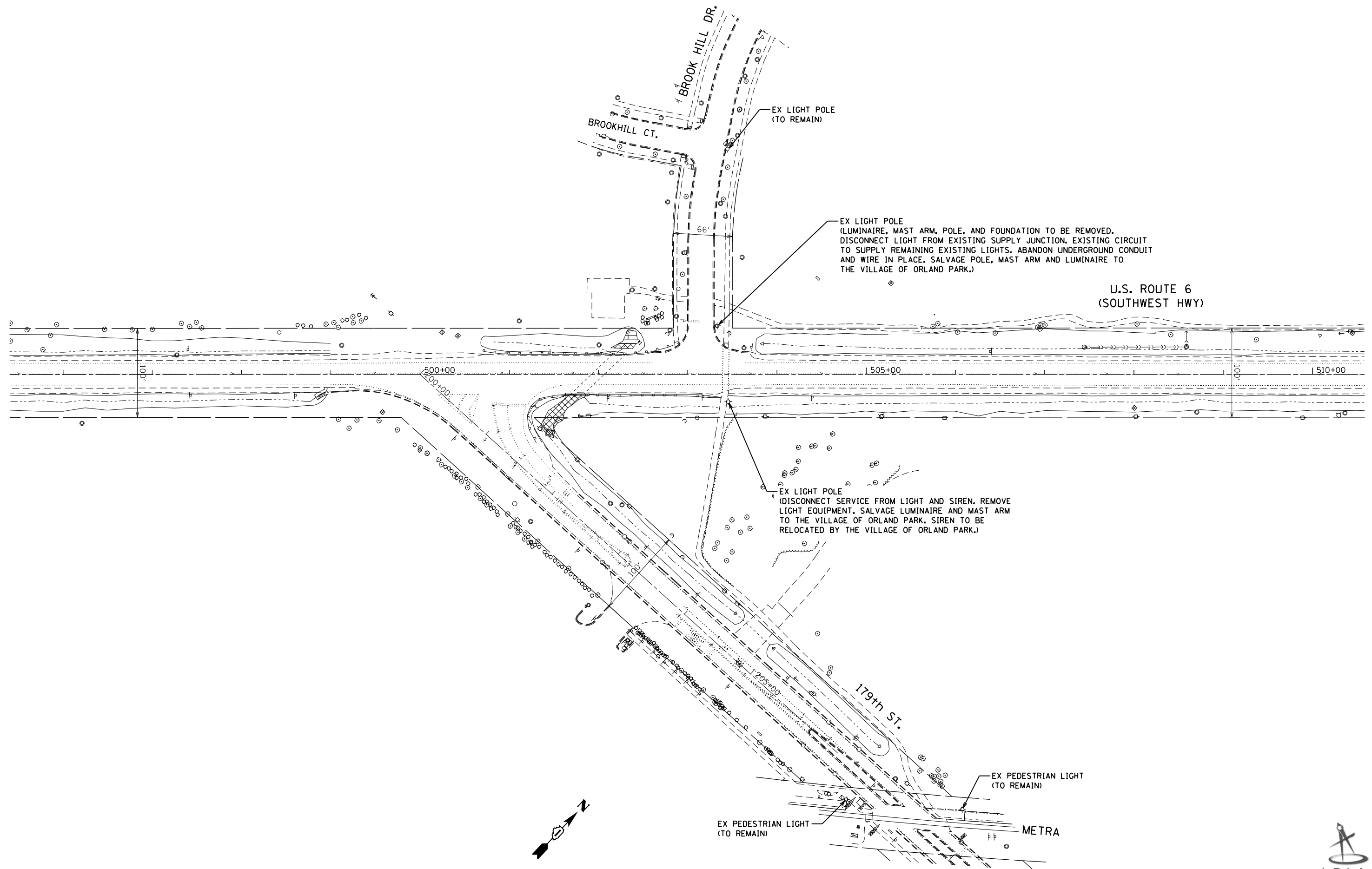
PEDESTRIAN PUSH BUTTON POST, TYPE A

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**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.
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TS-05			CONTRACT NO. 60Y26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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MODELNAME	PLOT DATE = \$DATE*	DATE - 09/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING
LIGHTING PLAN**

SCALE: 1" = 50' SHEET 1 OF 5 SHEETS STA. TO STA.


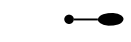
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	91
			CONTRACT NO. 60Y26	
ILLINOIS FED. AID PROJECT				

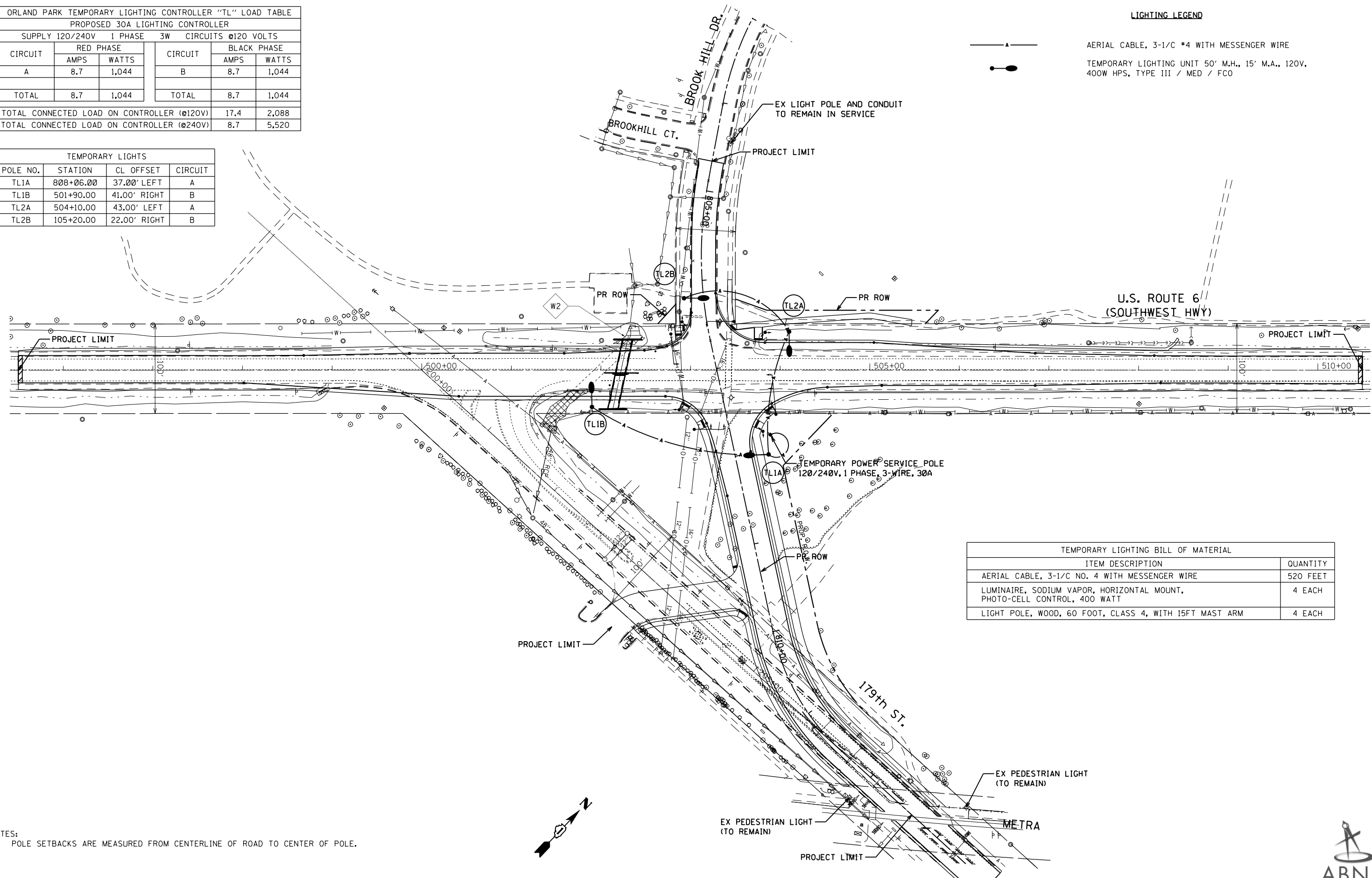


ORLAND PARK TEMPORARY LIGHTING CONTROLLER "TL" LOAD TABLE				
PROPOSED 30A LIGHTING CONTROLLER				
SUPPLY 120/240V 1 PHASE 3W CIRCUITS @120 VOLTS				
CIRCUIT	RED PHASE		BLACK PHASE	
	AMPS	WATTS	AMPS	WATTS
A	8.7	1,044	8.7	1,044
TOTAL	8.7	1,044	8.7	1,044
TOTAL CONNECTED LOAD ON CONTROLLER (@120V)			17.4	2,088
TOTAL CONNECTED LOAD ON CONTROLLER (@240V)			8.7	5,520

TEMPORARY LIGHTS			
POLE NO.	STATION	CL OFFSET	CIRCUIT
TL1A	808+06.00	37.00' LEFT	A
TL1B	501+90.00	41.00' RIGHT	B
TL2A	504+10.00	43.00' LEFT	A
TL2B	105+20.00	22.00' RIGHT	B

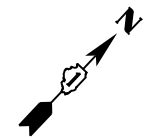
LIGHTING LEGEND

-  AERIAL CABLE, 3-1/C #4 WITH MESSENGER WIRE
-  TEMPORARY LIGHTING UNIT 50' M.H., 15' M.A., 120V, 400W HPS, TYPE III / MED / FCO



TEMPORARY LIGHTING BILL OF MATERIAL	
ITEM DESCRIPTION	QUANTITY
AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE	520 FEET
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	4 EACH
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	4 EACH

NOTES:
 1. POLE SETBACKS ARE MEASURED FROM CENTERLINE OF ROAD TO CENTER OF POLE.



FILE NAME = J:\2017\6045\CADD\CADD_Sheets\0160Y26-SHT-LIGHT-02.dgn	USER NAME = tsmith	DESIGNED - FSM	REVISED -
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	PLOT DATE = 9/6/2017	CHECKED - TPP	REVISED -
		DATE - 09/15/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLAN
 SCALE: 1" = 50'
 SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE. 0297	SECTION 3178G-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 92
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	



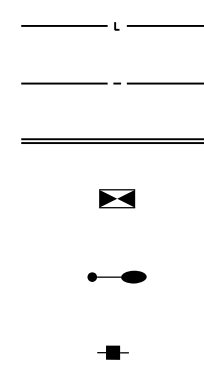
LEFT SIDE LIGHTS			
POLE NO.	STATION	OFFSET	CIRCUIT
L02	500+60.00	13.37' EOP	E
L04	502+60.00	11.12' EOP	A
L06	504+36.00	11.69' EOP	A
L08	506+00.00	15.00' EOP	G
L10	508+00.00	20.95' EOP	H
L14	807+90.50	18.84' EOP	C
L16	809+46.50	19.54' EOP	D

RIGHT SIDE LIGHTS			
POLE NO.	STATION	OFFSET	CIRCUIT
L01	498+60.00	21.43' EOP	F
L03	500+60.00	15.15' EOP	F
L05	502+60.00	14.90' EOP	E
L07	504+36.00	11.96' EOP	G
L09	506+00.00	15.16' EOP	H
L12	806+24.25	9.63' EOP	B
L13	807+90.50	15.22' EOP	D
L15	809+88.75	15.54' EOP	C
L17	811+64.50	16.33' EOP	D

ORLAND PARK LIGHTING CONTROLLER "LA" LOAD TABLE					
PROPOSED 60A LIGHTING CONTROLLER					
SUPPLY 240/480V 1 PHASE 3W CIRCUITS @240 VOLTS					
CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	2.7	648	B	2.7	648
C	2.7	648	D	4.1	984
E	2.7	648	F	2.7	648
G	2.7	648	H	2.7	648
SPARE 1		0	SPARE 2		0
TOTAL	10.8	2,592	TOTAL	12.2	2,928
TOTAL CONNECTED LOAD ON CONTROLLER (@240V)			23.0	5,520	
TOTAL CONNECTED LOAD ON CONTROLLER (@480V)			11.5	5,520	

UNDERGROUND CONDUIT			
CONDUIT	LENGTH	TYPE	DIA.
A	80'	RGS	3"
B	115'	RGS	3"
C	75'	RGS	3"
D	130'	RGS	3"
E	85'	RGS	3"
F	85'	RGS	3"

LIGHTING LEGEND



UNIT DUCT, 600V, 3-1/C #8, 1/C #8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

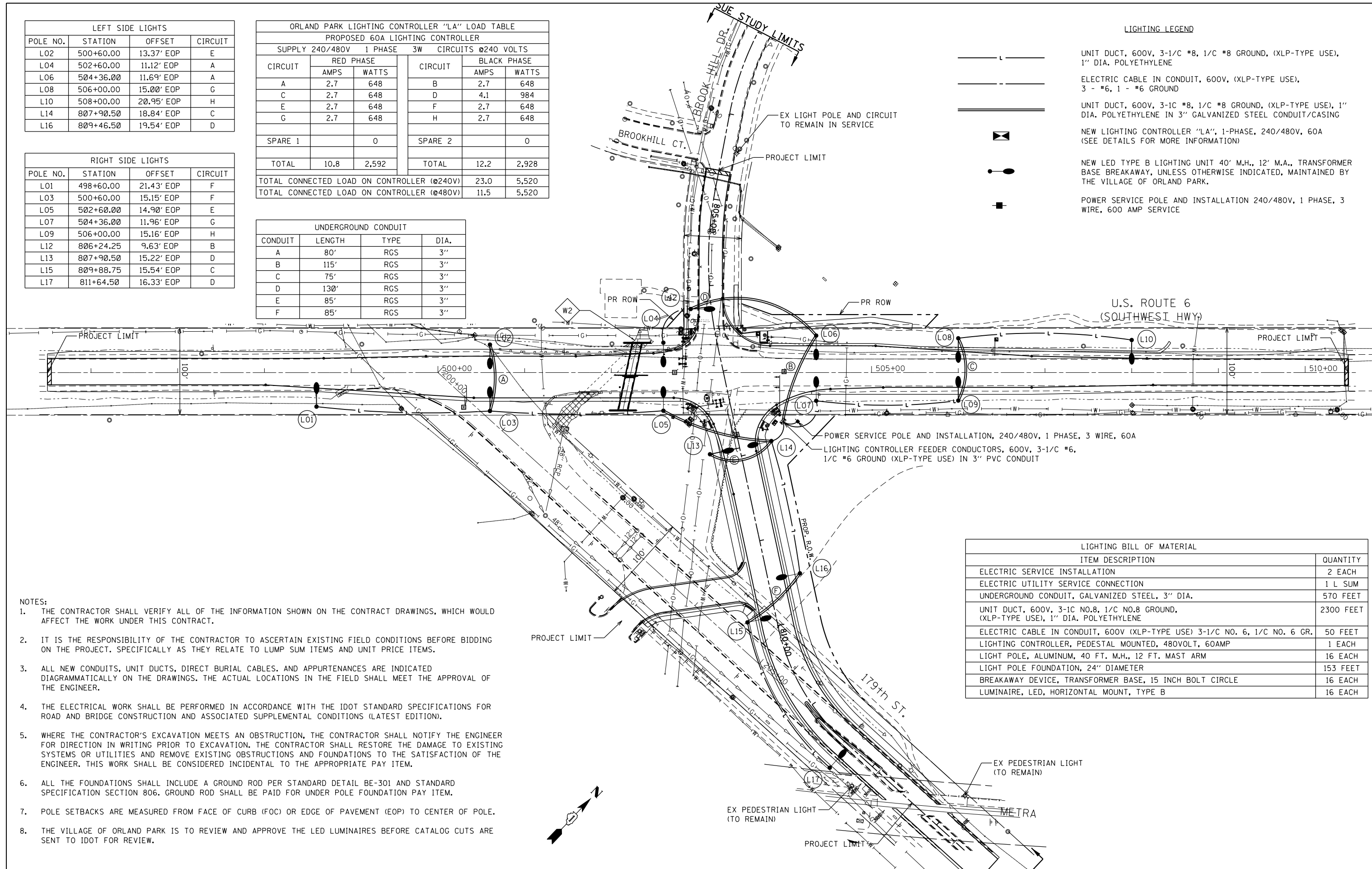
ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 3 - #6, 1 - #6 GROUND

UNIT DUCT, 600V, 3-1C #8, 1/C #8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE IN 3" GALVANIZED STEEL CONDUIT/CASING

NEW LIGHTING CONTROLLER "LA", 1-PHASE, 240/480V, 60A (SEE DETAILS FOR MORE INFORMATION)

NEW LED TYPE B LIGHTING UNIT 40' M.H., 12' M.A., TRANSFORMER BASE BREAKAWAY, UNLESS OTHERWISE INDICATED, MAINTAINED BY THE VILLAGE OF ORLAND PARK.

POWER SERVICE POLE AND INSTALLATION 240/480V, 1 PHASE, 3 WIRE, 600 AMP SERVICE



NOTES:

- THE CONTRACTOR SHALL VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS, WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT. SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
- ALL NEW CONDUITS, UNIT DUCTS, DIRECT BURIAL CABLES, AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER.
- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL CONDITIONS (LATEST EDITION).
- WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION. THE CONTRACTOR SHALL RESTORE THE DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
- ALL THE FOUNDATIONS SHALL INCLUDE A GROUND ROD PER STANDARD DETAIL BE-301 AND STANDARD SPECIFICATION SECTION 806. GROUND ROD SHALL BE PAID FOR UNDER POLE FOUNDATION PAY ITEM.
- POLE SETBACKS ARE MEASURED FROM FACE OF CURB (FOC) OR EDGE OF PAVEMENT (EOP) TO CENTER OF POLE.
- THE VILLAGE OF ORLAND PARK IS TO REVIEW AND APPROVE THE LED LUMINAIRES BEFORE CATALOG CUTS ARE SENT TO IDOT FOR REVIEW.

LIGHTING BILL OF MATERIAL	
ITEM DESCRIPTION	QUANTITY
ELECTRIC SERVICE INSTALLATION	2 EACH
ELECTRIC UTILITY SERVICE CONNECTION	1 L SUM
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	570 FEET
UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	2300 FEET
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6, 1/C NO. 6 GR.	50 FEET
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 480VOLT, 60AMP	1 EACH
LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	16 EACH
LIGHT POLE FOUNDATION, 24" DIAMETER	153 FEET
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	16 EACH
LUMINAIRE, LED, HORIZONTAL MOUNT, TYPE B	16 EACH

FILE NAME =	USER NAME = jent	DESIGNED - FSM	REVISED -
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Default	PLOT DATE = 3/13/2018	DATE - 09/15/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

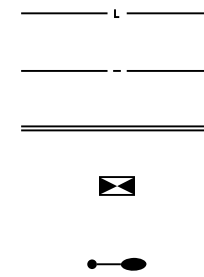
PROPOSED
LIGHTING PLAN

SCALE: 1" = 50' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	93
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

ORLAND PARK LIGHTING CONTROLLER "LA" LOAD TABLE				
PROPOSED 60A LIGHTING CONTROLLER				
SUPPLY 240/480V 1 PHASE 3W CIRCUITS @240 VOLTS				
CIRCUIT	RED PHASE		BLACK PHASE	
	AMPS	WATTS	AMPS	WATTS
A	2.7	648	B	2.7
C	2.7	648	D	4.1
E	2.7	648	F	2.7
G	2.7	648	H	2.7
SPARE 1		0	SPARE 2	0
TOTAL	10.8	2,592	TOTAL	12.2
TOTAL CONNECTED LOAD ON CONTROLLER (@240V)			23.0	5,520
TOTAL CONNECTED LOAD ON CONTROLLER (@480V)			11.5	5,520

LIGHTING LEGEND



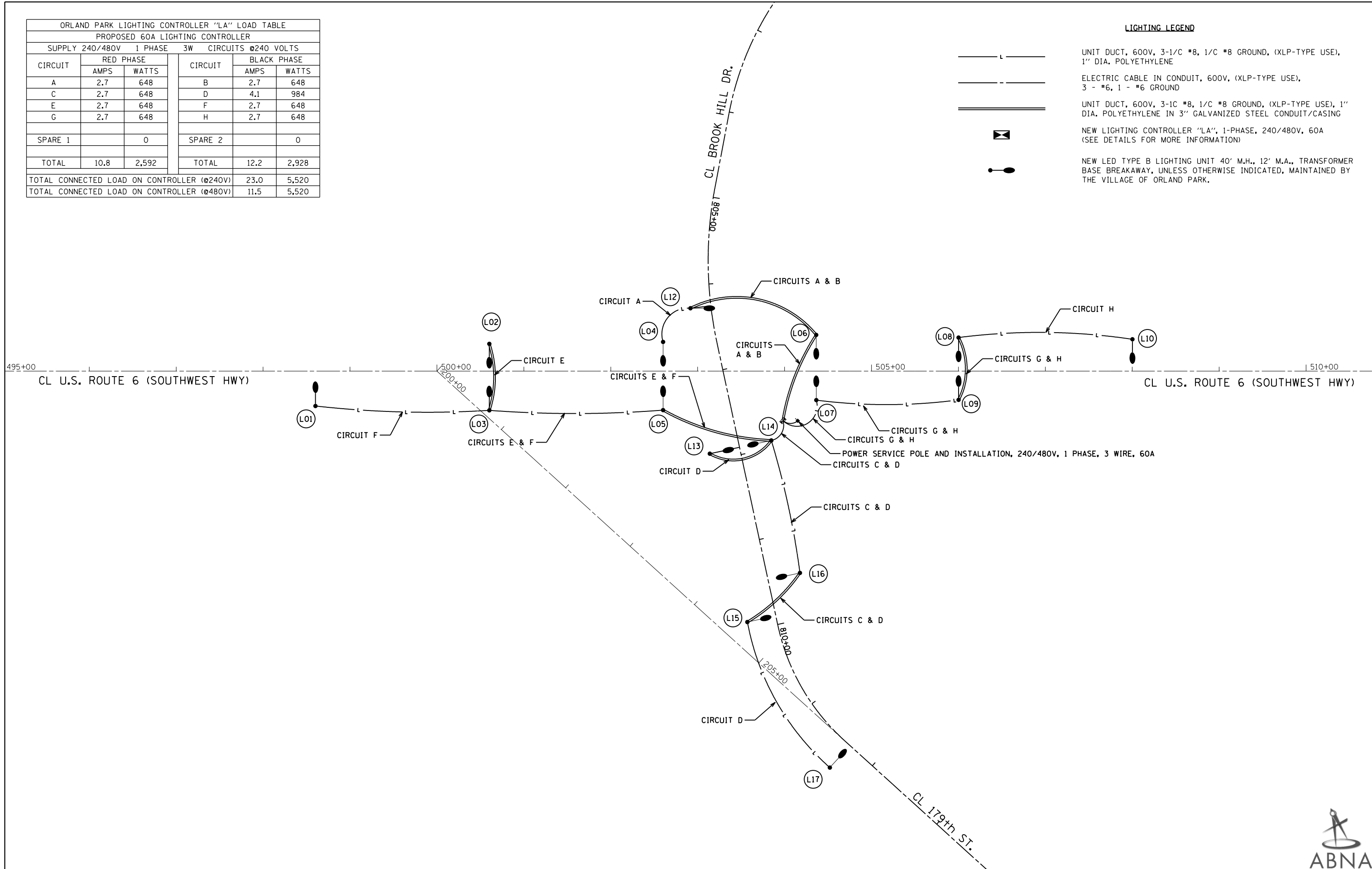
UNIT DUCT, 600V, 3-1/C #8, 1/C #8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE), 3 - #6, 1 - #6 GROUND

UNIT DUCT, 600V, 3-1/C #8, 1/C #8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE IN 3" GALVANIZED STEEL CONDUIT/CASING

NEW LIGHTING CONTROLLER "LA", 1-PHASE, 240/480V, 60A (SEE DETAILS FOR MORE INFORMATION)

NEW LED TYPE B LIGHTING UNIT 40' M.H., 12' M.A., TRANSFORMER BASE BREAKAWAY, UNLESS OTHERWISE INDICATED, MAINTAINED BY THE VILLAGE OF ORLAND PARK.



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	PLOT DATE = 1/16/2018	DATE - 09/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SINGLE LINE DIAGRAM
LIGHTING PLAN**

SCALE: 1" = 50' SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	94
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	



COMED CONTACT:
LEONARD ANDERSON
(708) 235-2346

COMED ACCOUNT NO:
361 300 3001



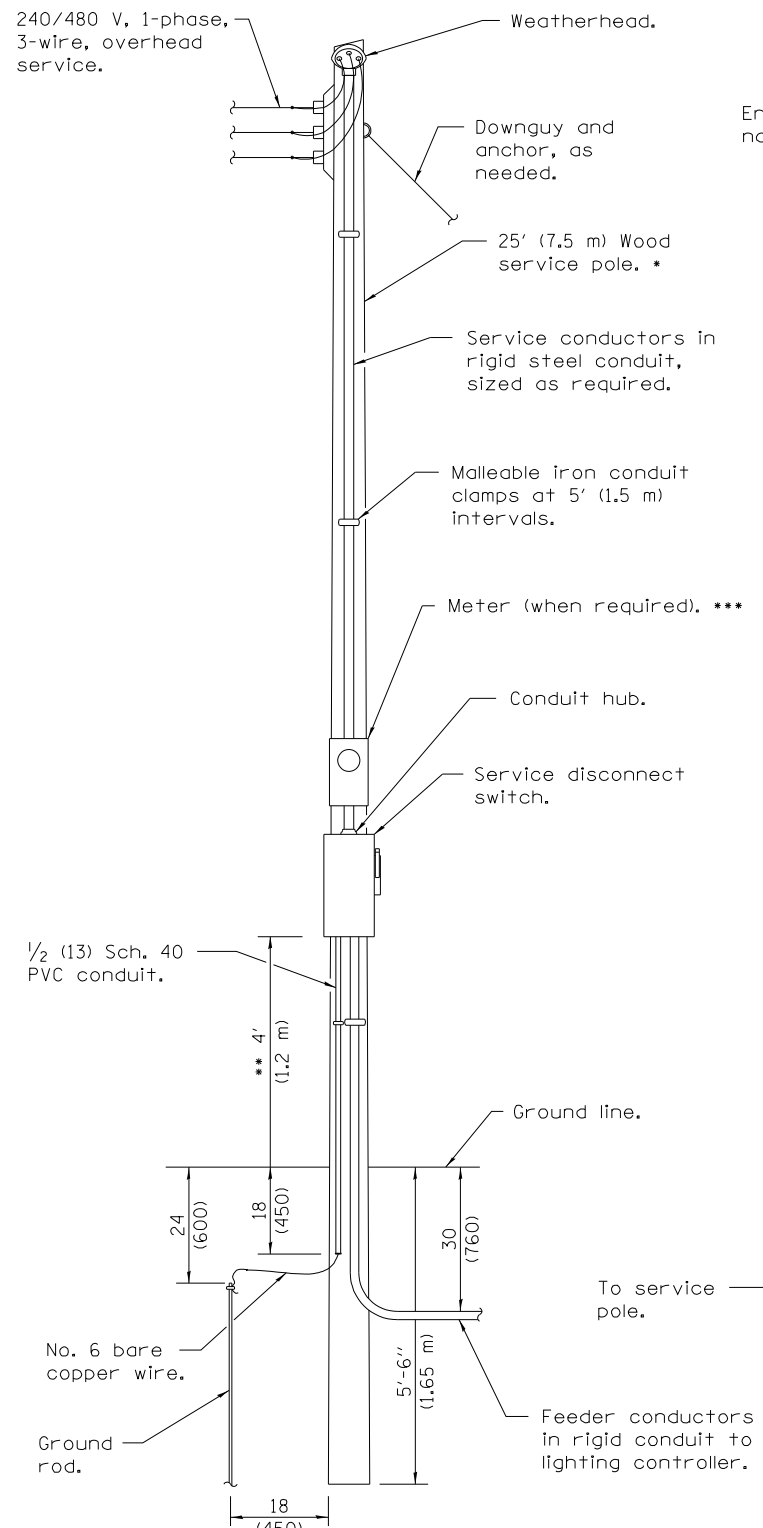
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	PLOT DATE = 9/6/2017	DATE - 09/15/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN
COMED COORDINATION**

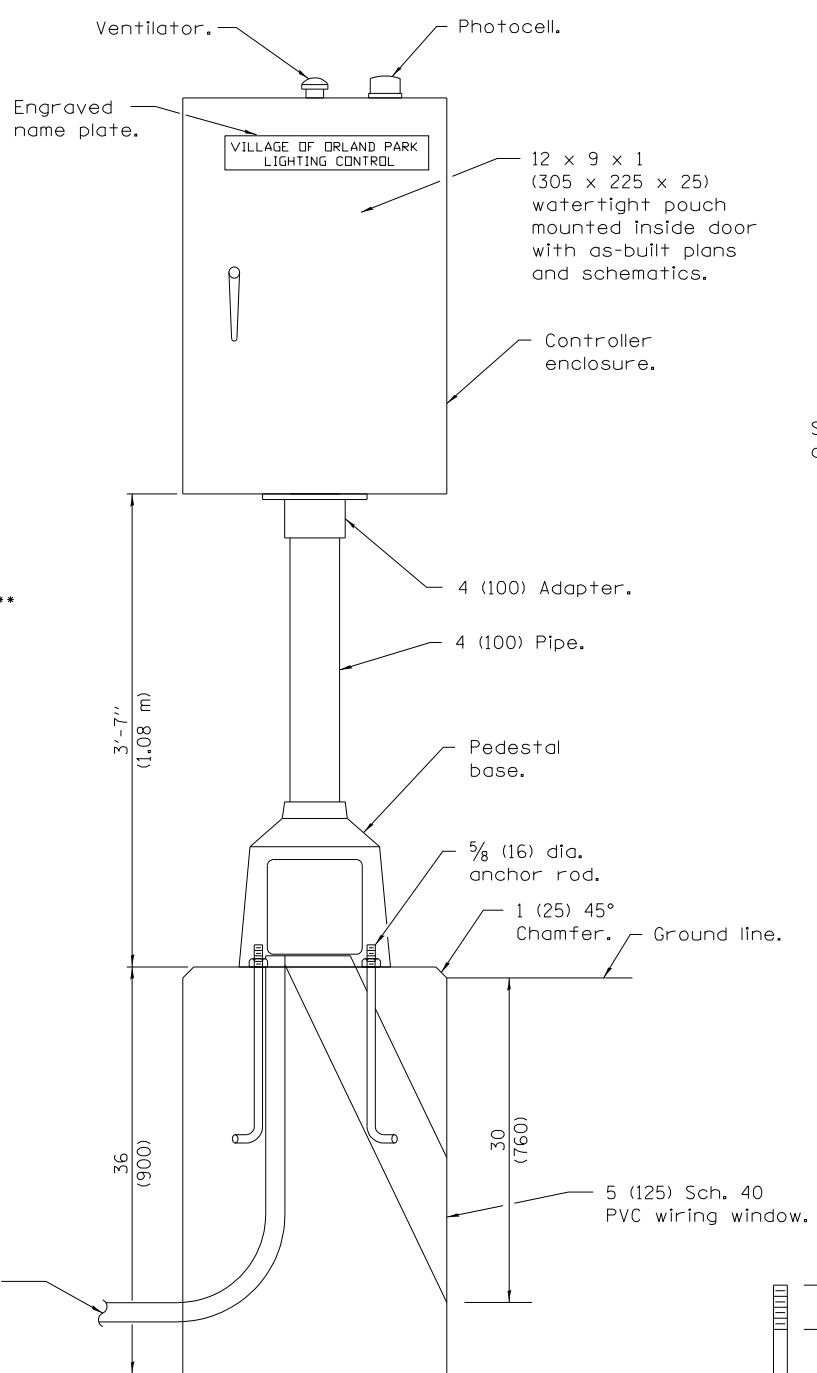
SCALE: 1" = 50' SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N(14)	COOK	151	95
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

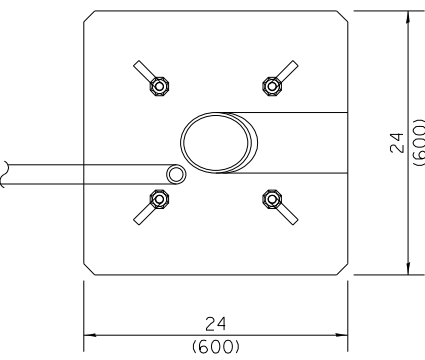


ELECTRIC SERVICE INSTALLATION

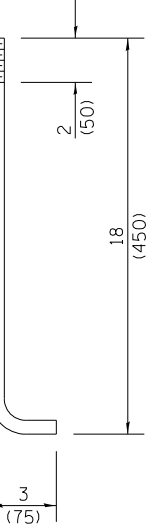
- Size larger as needed.
- ** Or as directed by Utility Company.
- *** When cold sequencing is required, provide a meter disconnect switch as directed by Utility Company.



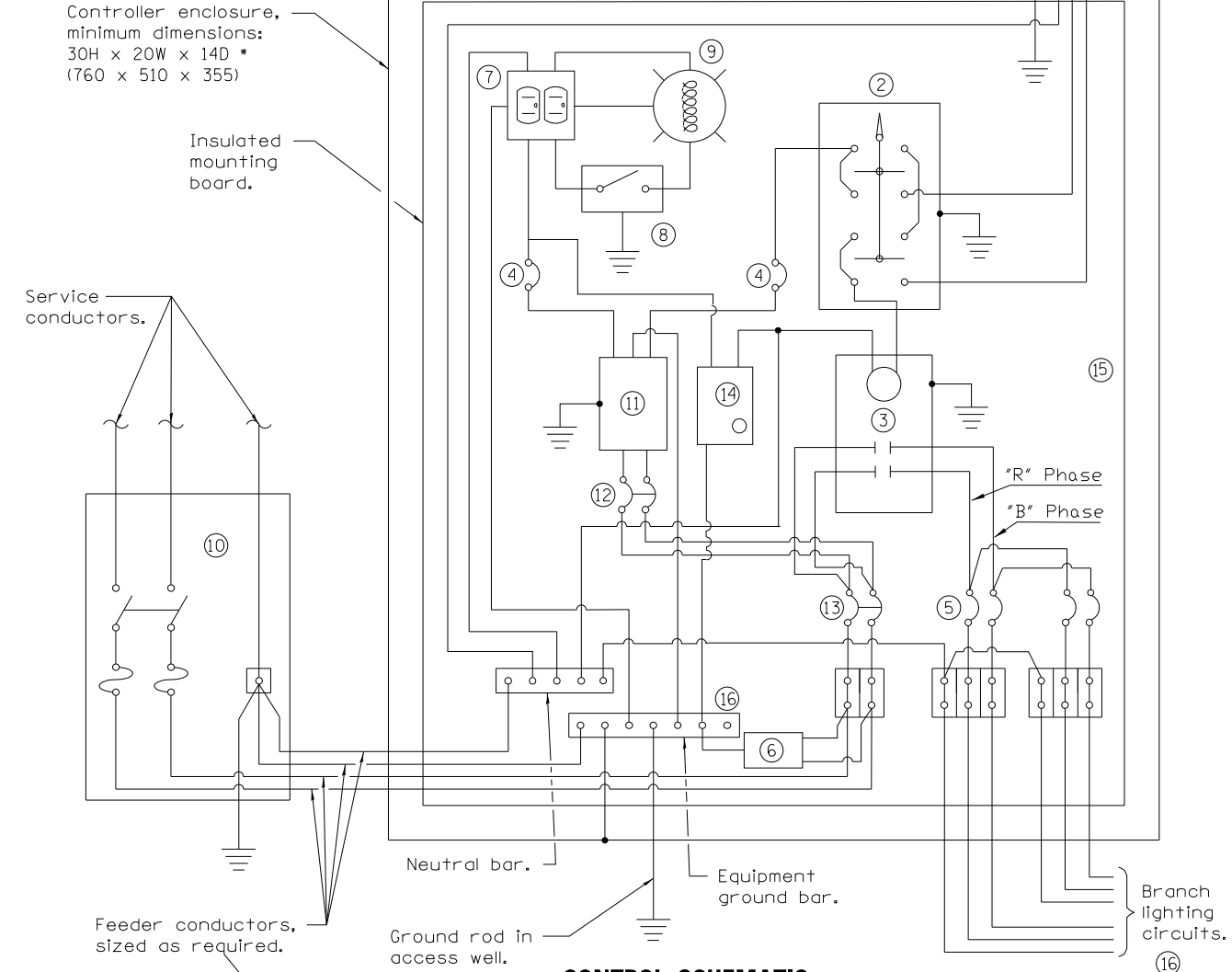
LIGHTING CONTROLLER



FOUNDATION (PLAN)
(Work pad not shown.)



ANCHOR ROD DETAIL



CONTROL SCHEMATIC

- 1 Photocell with integral surge arrester.
- 2 HAND-OFF-AUTO selector switch.
- 3 100 amp*, electrically held contactor.
- 4 15 amp, 1-pole circuit breaker.
- 5 20 amp, 1-pole circuit breaker, 277 V, 10,000 AIC at 240V. Typical 1 of 8 circuits (4 shown) plus 2 spares.
- 6 Surge arrester.
- 7 GFCI duplex receptacle.
- 8 Single-pole, single-throw switch.
- 9 Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- 10 Service disconnect switch - 2-pole, 3-wire, 60 amp*, fused at 60 amp*, solid neutral in NEMA 4X enclosure having lockable external handle.
- 11 Transformer - 1KVA*, 480V primary, 120/240V secondary, single-phase, 60Hz.
- 12 15 amp, 2-pole circuit breaker.
- 13 60 amp*, 2-pole circuit breaker.
- 14 Electric Heater, 115 volt, 200 watt
- 15 Cabinet shall be insulated inside with foil face on both sides and top.
- 16 Connect ground wire in each circuit pair unit duct to ground bus.

* Size larger as needed.

DATE	REVISIONS
10-20-14	Control schematic revisions
9-20-14	Added owner-requested options.
1-1-12	Revised feeder burial depth.
1-1-11	Renamed Standard. Modified serv. disc., contactor and serv. raceway.

**LIGHTING CONTROLLER
PEDESTAL MOUNTED, 480V**

MODIFIED STANDARD 825016-02

Illinois Department of Transportation

PASSED January 1, 2012
David S. Rosari
ENGINEER OF PRELIMINARY ENGINEERING

APPROVED January 1, 2012
Scott Smith
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-10

FILE NAME =	USER NAME = tsmith	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

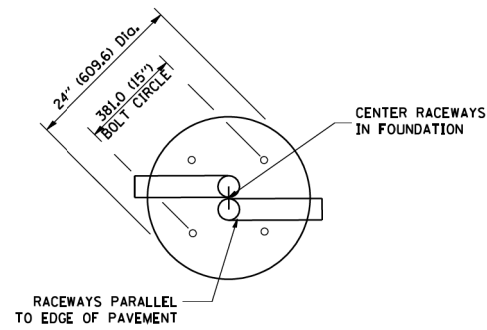
**LIGHTING CONTROLLER PEDESTAL MOUNTED, 480V
MODIFIED STANDARD 825016-02**

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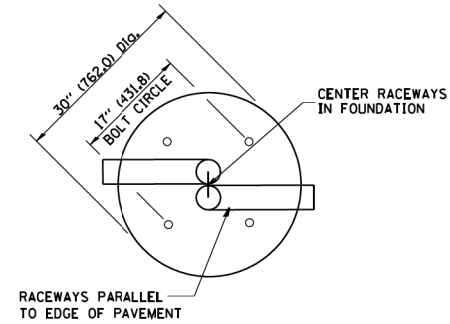
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	3178G-N14	COOK	151	96
CONTRACT NO. 60Y26			ILLINOIS FED. AID PROJECT	

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

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



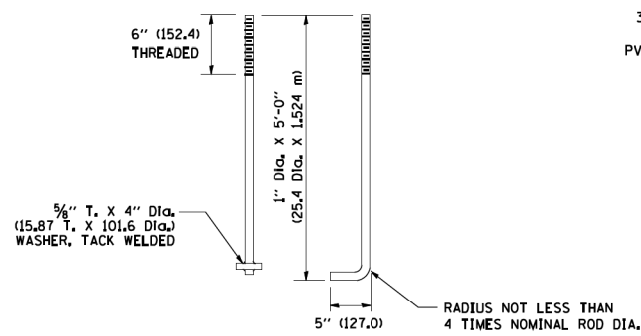
TOP VIEW



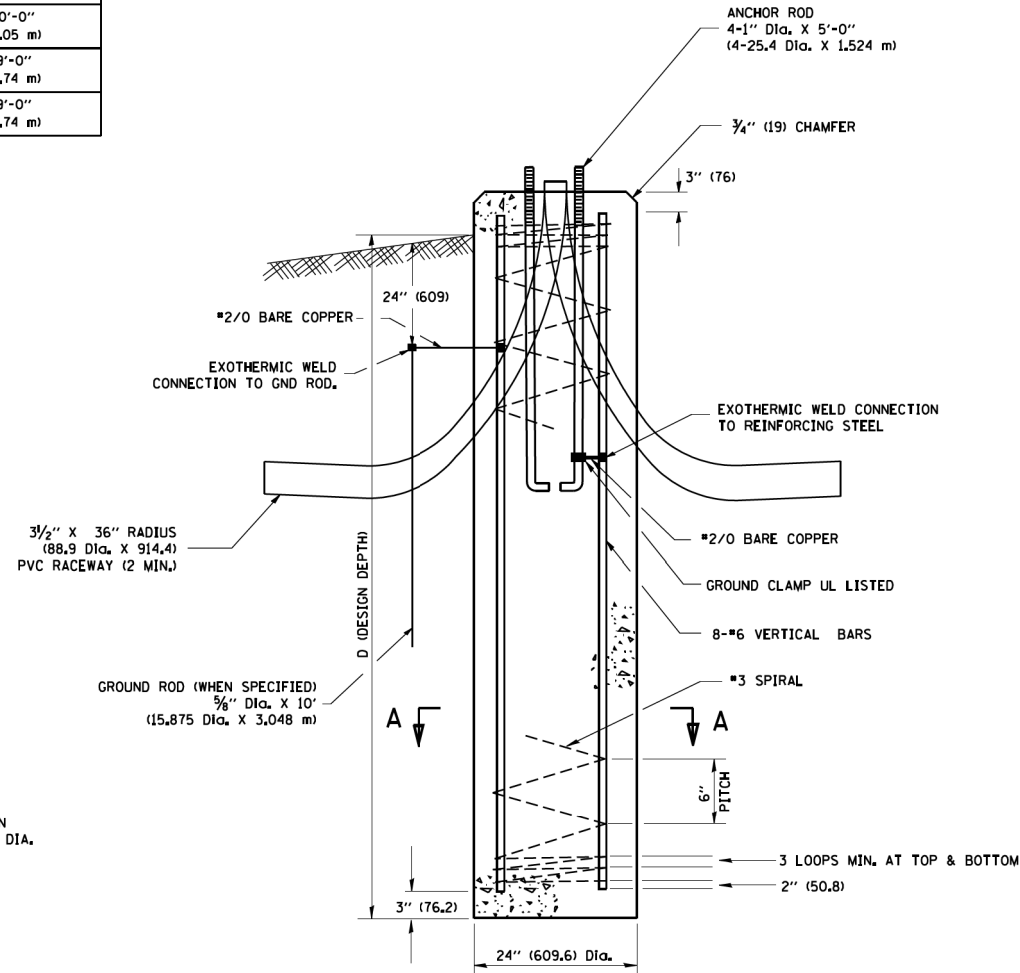
TOP VIEW

NOTES

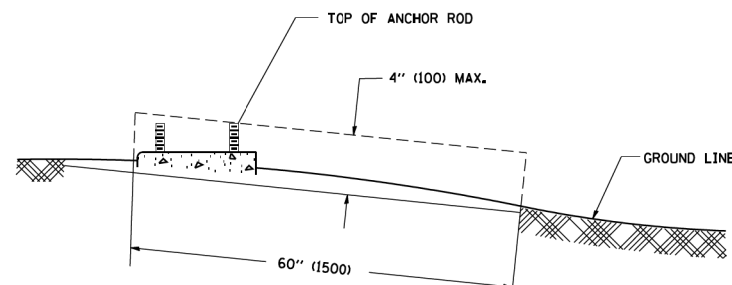
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION,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



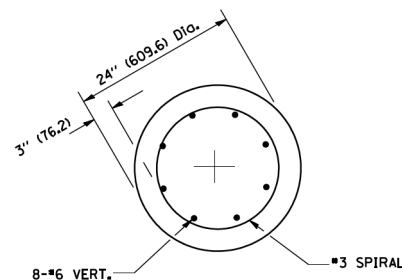
ANCHOR ROD DETAIL



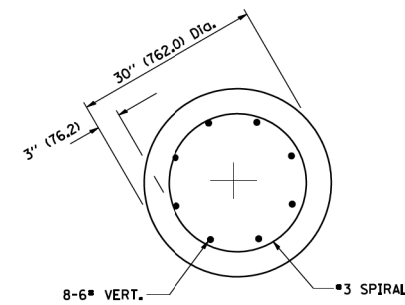
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



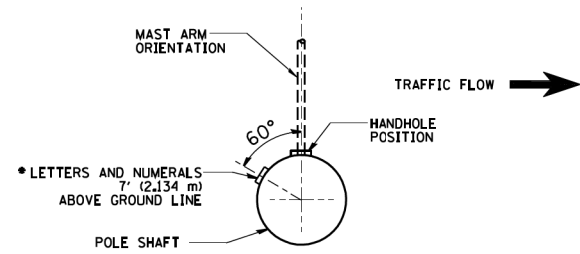
SECTION A-A

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Default	PLOT SCALE = 2.0000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 9/6/2017	CHECKED -	REVISED -
		DATE -	REVISED -

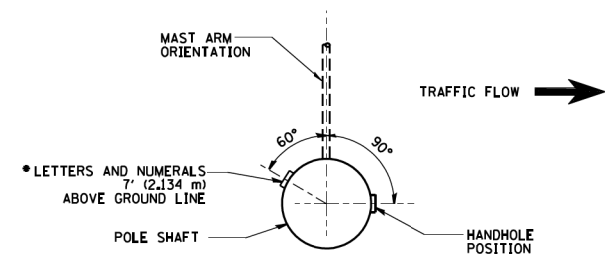
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
40' (12.192 m) TO 47' 12" (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

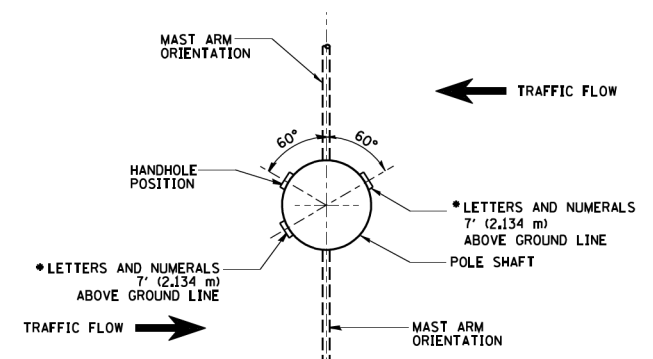
F.A.U. RTE. 0297	SECTION 31780-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 97
BE-301		CONTRACT NO. 60Y26		
ILLINOIS FED. AID PROJECT				



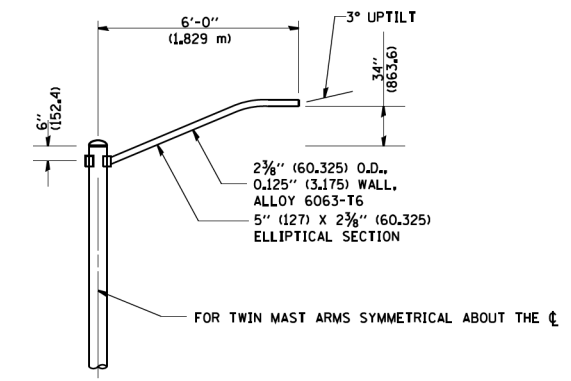
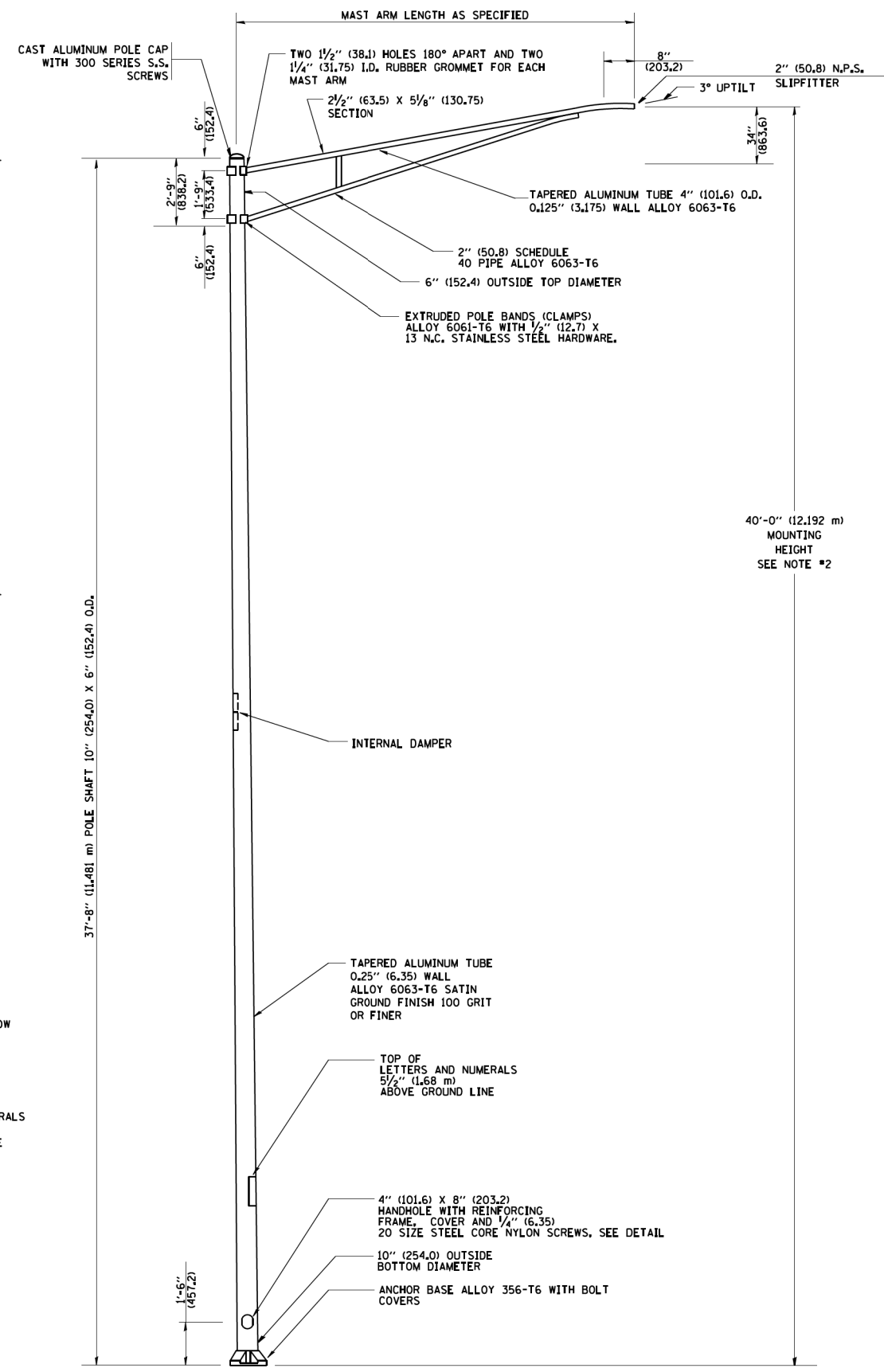
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



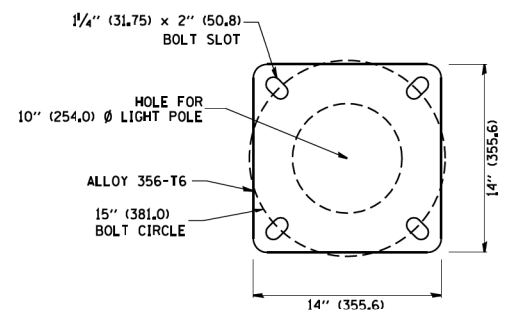
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



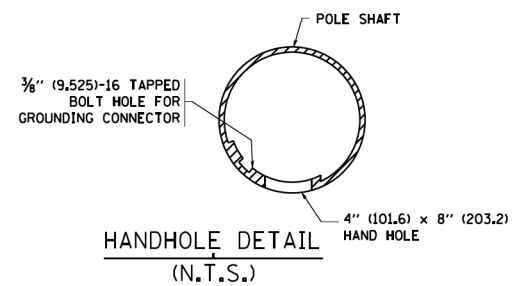
POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)



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



HANDHOLE DETAIL (N.T.S.)

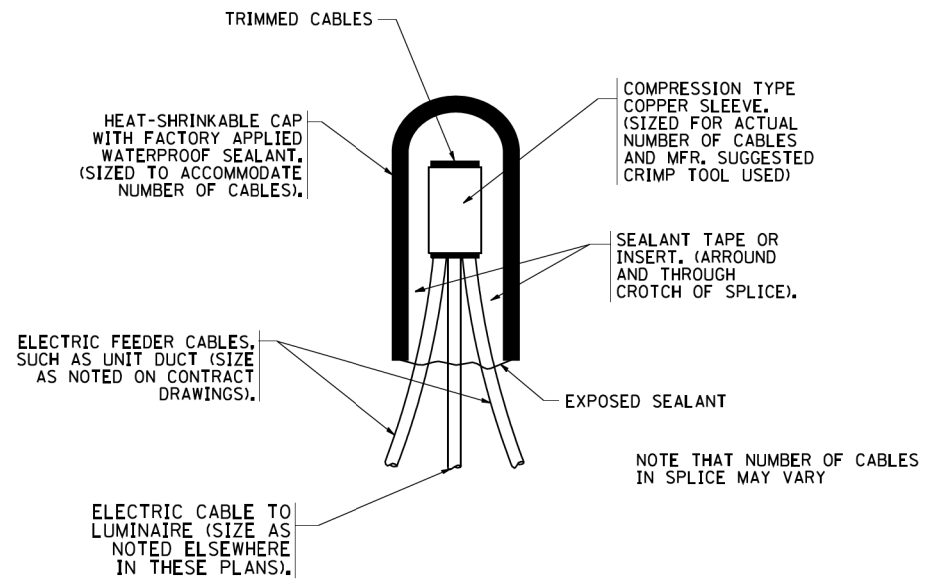
- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 4. THE INSTALLING CONTRACTOR WILL PROVIDE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

FILE NAME =	USER NAME = tsmith	DESIGNED -	REVISED - R. TOMSONS 09-06-00
J:\2017\6045\CADD\CADD_Sheets\160Y26-SHT-LIGHT-08.dgn		DRAWN -	REVISED - R. TOMSONS 09-02-03
Default	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/6/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALUMINUM LIGHT POLE			
40'-0" (12.192 m) MOUNTING HEIGHT			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

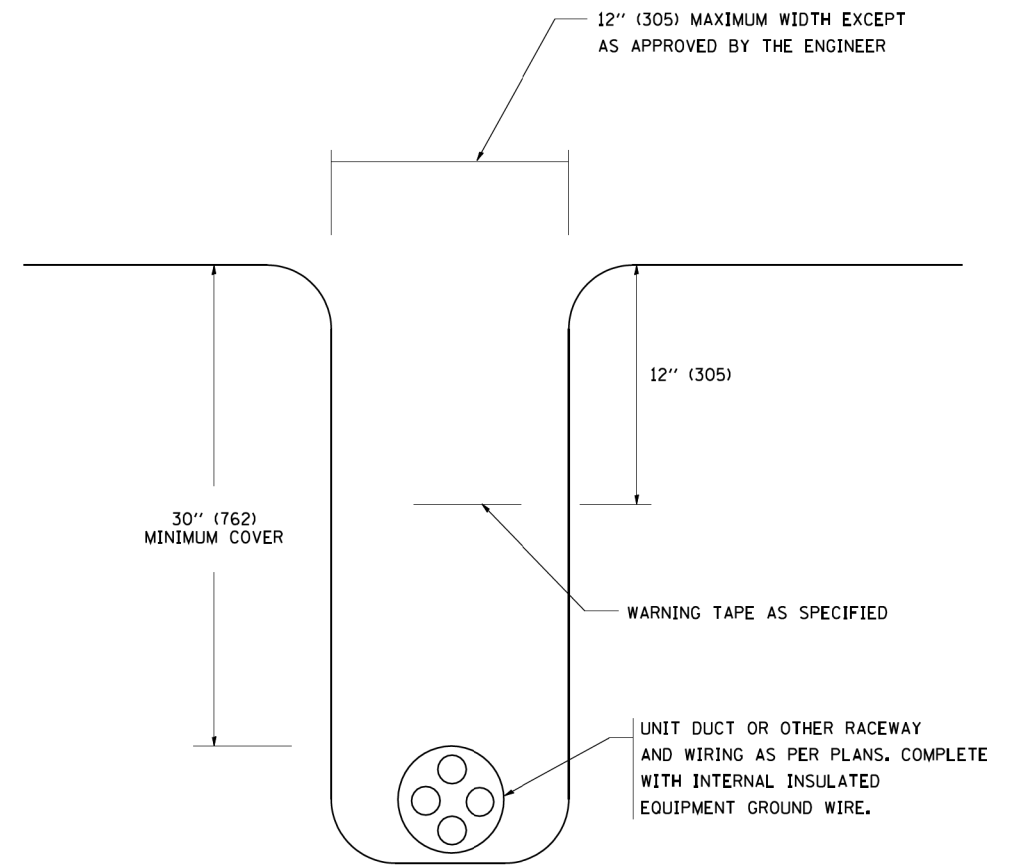
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0297	31780-N(14)	COOK	151	98
BE-401		CONTRACT NO. 60Y26		
ILLINOIS FED. AID PROJECT				



TYPICAL SPLICE DETAIL

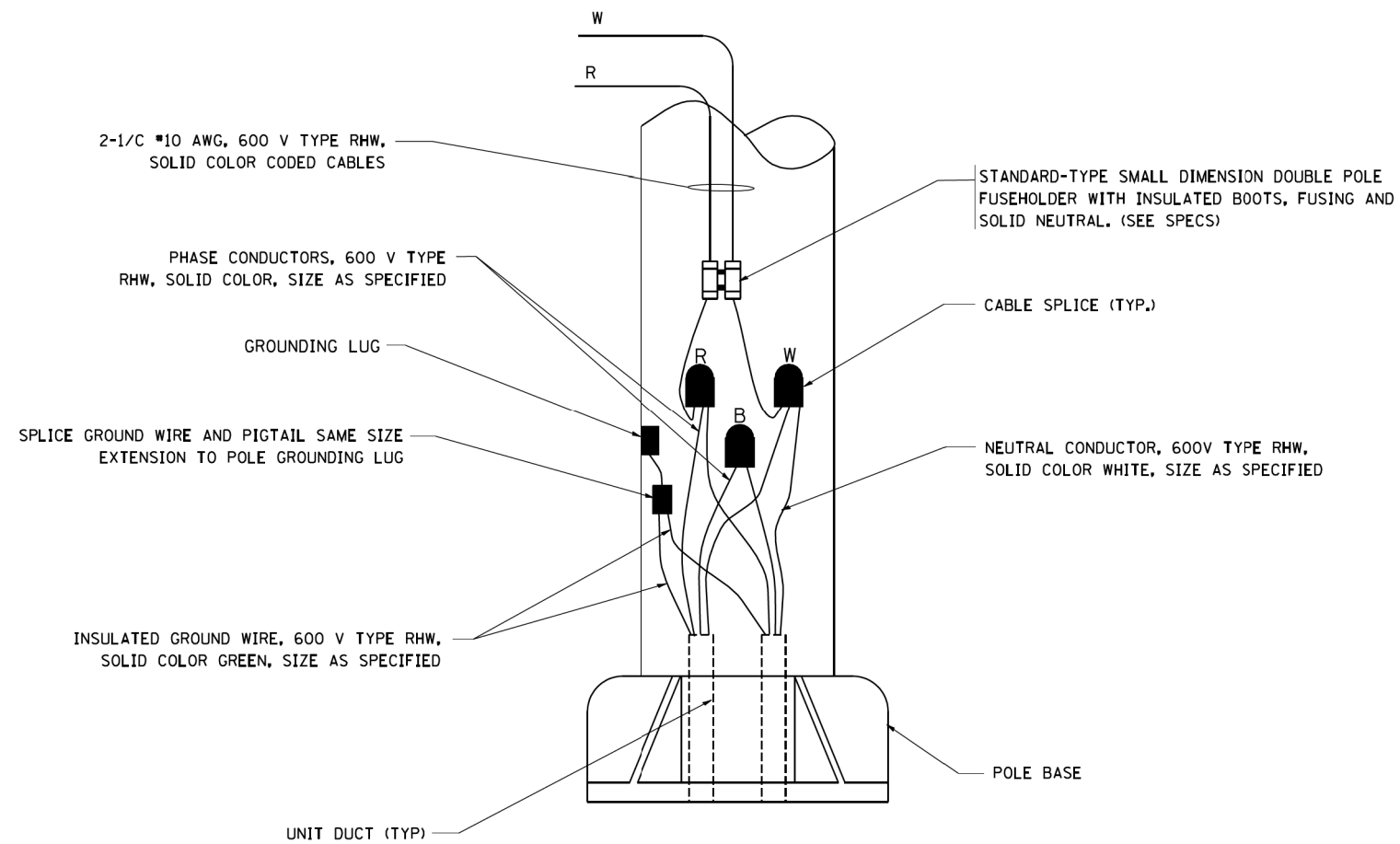
N.T.S.

NOTE THAT NUMBER OF CABLES IN SPLICE MAY VARY



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

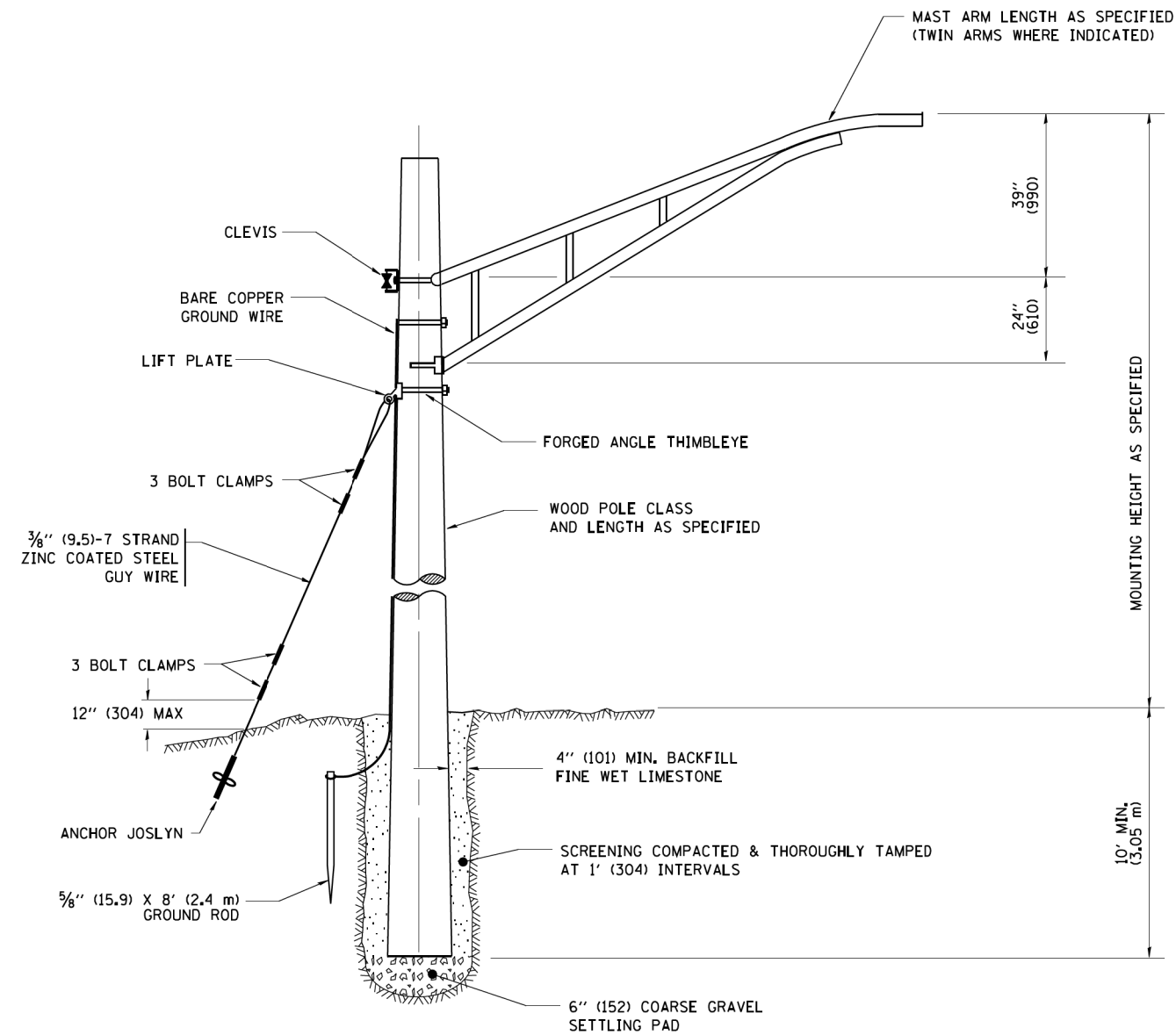
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -
Default	PLOT DATE = 9/6/2017		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

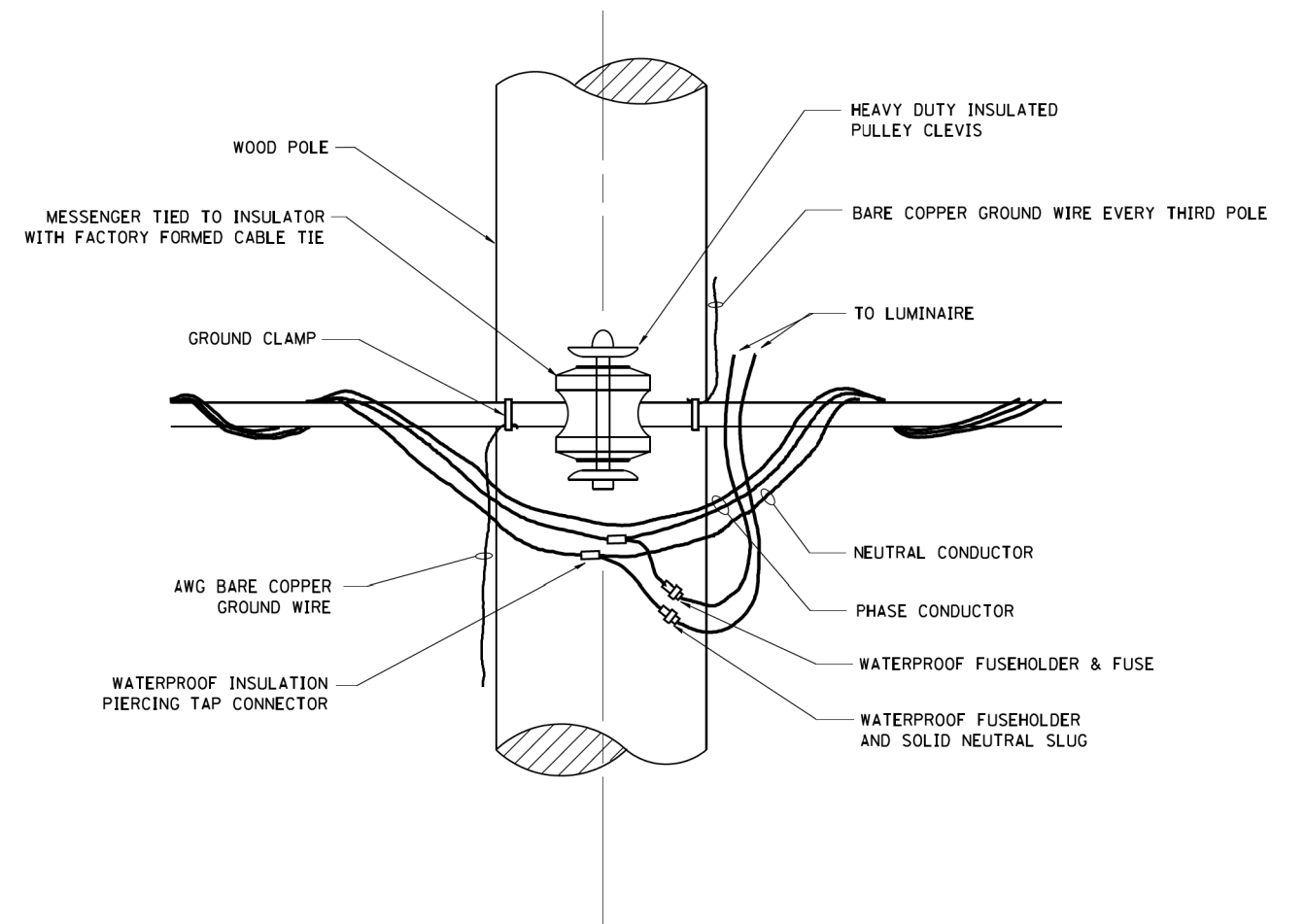
**MISC. ELECTRICAL DETAILS
SHEET A**

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

F.A.U. RTE. 0297	SECTION 31780-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 99
BE-702		CONTRACT NO. 60Y26		
ILLINOIS FED. AID PROJECT				



TEMPORARY LIGHT POLE DETAIL



TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED

FILE NAME = J:\2017\6045\CADD\CADD_Sheets\0160Y26-SHT-LIGHT-10.dgn	USER NAME = tsmith	DESIGNED -	REVISED - 08-08-03
		DRAWN -	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 9/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY LIGHT POLE DETAILS

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

F.A.U. RTE. 0297	SECTION 31780-N(14)	COUNTY COOK	TOTAL SHEETS 151	SHEET NO. 100
BE-800		CONTRACT NO. 60Y26		
ILLINOIS FED. AID PROJECT				