

INDEX OF SHEETS

1	COVER SHEET
2	INDEX, HIGHWAY STANDARDS, COMMITMENTS, AND GENERAL NOTES
3	GENERAL NOTES (CONTINUED) AND BENCHMARKS
4 - 14	SUMMARY OF QUANTITIES
15 - 16	TYPICAL SECTIONS
17 - 19	SCHEDULE OF QUANTITIES
20 - 28	ROADWAY AND PAVEMENT MARKING PLANS
29	REMOVALS AND PROPOSED IMPROVEMENTS
30	EROSION AND SEDIMENT CONTROL NOTES
31 - 32	EROSION AND SEDIMENT CONTROL PLAN
33 - 36	EROSION AND SEDIMENT CONTROL DETAILS
37 - 40	DRAINAGE AND UTILITIES
41 - 45	S.U.E. PLAN SHEETS
46	LANDSCAPING
47	PLAT OF HIGHWAYS
48 - 50	TRAFFIC SIGNAL DETECTOR LOOP REPLACEMENT
51 - 54	STRUCTURAL PLANS
55 - 58	DISTRICT DETAILS
69 - 83	CROSS SECTIONS

DISTRICT DETAILS

BD-01	DRIVEWAY DETAILS - DIST. BETWEEN ROW & FACE CURB & EDGE OF SHDLR = 15'
BD-02	DRIVEWAY DETAILS - DIST. BETWEEN ROW AND FACE OF CURB < 15'
BD-03	OUTLET FOR CONCRETE CURB AND GUTTER
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINTS AND HMA TAPER
TC-10	TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS & DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKINGS LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL EQUIVALENTS OF AN INCH-FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602406-06	MANHOLE TYPE A, 8' DIAMETER
602416-04	MANHOLE TYPE A, 8' DIAMETER
602701-02	MANHOLE STEPS
604001-04	FRAMES AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8

HIGHWAY STANDARDS CONT.

604051-04	FRAME AND GRATE, TYPE 11
604091-03	FRAME AND GRATE, TYPE 24
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

COMMITMENTS

NONE

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 2012 (HEREIN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 2016; THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, SEVENTH EDITION; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- 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 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1/3 (V/H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT THE NORTH COOK AREA TRAFFIC FIELD ENGINEER, AT (773) 685-8186 AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE MARKINGS) IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.



USER NAME = WTeng	DESIGNED = WJT	REVISED =
DRAWN = WJT	CHECKED = JJP	REVISED =
PLT SCALE = 3/32" = 1' / in.	DATE = 05-11-2015	REVISED =
PLT DATE = 5/11/2015		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD -- LAKE COOK ROAD TO WINNETKA AVENUE
INDEX, HIGHWAY STANDARDS, COMMITMENTS, AND GENERAL NOTES

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. N/A TO STA. N/A

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS	NO.
3509	(112 & 112X) R5-B	COOK	83	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60648	

GENERAL NOTES CONT.

13. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH LOCAL EMERGENCY SERVICES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL EXISTING AND PROPOSED UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS, IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
15. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
16. THE FOLLOWING UTILITIES ARE PRESENT WITHIN THE PROJECT LIMITS:
 - a. AT&T
 - b. COMCAST
 - c. COMED
 - d. NORTH SHORE GAS
 - e. VILLAGE OF WINNETKA WATER AND ELECTRIC DEPARTMENT
17. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
18. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN AT POINTS OR CURVE, ETC. ARE TOP OF CURB, UNLESS OTHERWISE NOTED.
19. CONCRETE CURB OUTLETS SHALL BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER OF TYPE AS SPECIFIED IN THE PLANS.
20. STRUCTURE OFFSET, LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE-TO THE EDGE OF PAVEMENT; B) FOR ALL OTHER STRUCTURES-TO THE CENTER OF THE STRUCTURE; C) FLARED END SECTIONS-TO THE END OF THE CONNECTION PIPE.
21. ALL ELEVATIONS ARE ON THE U.S.G.S. DATUM NAVD 88.
22. ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES; BACKS OF CURB, ETC. ARE FROM THE CENTERLINE AS SHOWN ON THE PLANS.
23. SECONDARY STATIONING SYSTEM SPANNING FROM STA 50+00.00 (STA 243+48.56) TO STA 96+00 (STA 197+48.56) IS INCLUDED FOR COMPATIBILITY BETWEEN DRAINAGE IMPROVEMENT PLANS CROSS SECTIONS AND RESURFACING PLANS.
24. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEMS.
25. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN AN OPERATING CONDITION TEMPORARY CUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY EXISTING DRAINAGE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEMS.
26. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.
27. ALL OPEN LIDS AND GRATES SHALL BE STAMPED WITH DUMP NO WASTE AND DRAINS TO WATERWAY. IF NO ROOM ON THE LID A PLAQUE WITH THIS TEXT SHALL BE IMBEDDED IN THE CURB ADJACENT TO THE FRAME AND GRATE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEMS.
28. THE CONTRACTOR SHALL DETERMINE WHEN FLAT SLAB TOPS ARE REQUIRED ON INLETS, MANHOLES, AND CATCH BASINS. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE USE OF FLAT SLAB TOPS.
29. ALL ABANDONED SEWER INVERTS SHALL BE PLUGGED WITH BRICK AND CLASS SI CONCRETE TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER BEING REMOVED.
30. CONNECTION OF EXISTING STORM SEWER INTO PROPOSED STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER STRUCTURE. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED IN THE COST OF THE DRAINAGE STRUCTURE.
31. THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER BEING CONSTRUCTED.
32. THE CONTRACTOR SHALL VIDEO TAPE THE CLEANING OF REMAINING STORM SEWER UTILITIES WITHIN THE PROJECT LIMITS ACCORDING TO THE PLANS AND/OR AS DIRECTED BY THE ENGINEER. THE VILLAGE OF WINNETKA WILL CONFIRM THE SEWERS ARE CLEAN AND CLEAR PRIOR TO THE STANDARD MAINTENANCE AGREEMENT.

33. THIS PROJECT REQUIRES A U.S. ARMY CORPS OF ENGINEERS 404 PERMIT. THE PERMIT ISSUED TO THE DEPARTMENT DOES NOT COVER THE IN-STREAM WORK BY THE CONTRACTOR. THEREFORE, AFTER AWARD, THE CONTRACTOR SHALL SUBMIT THE WORK PLAN TO THE DEPARTMENT'S RESIDENT ENGINEER FOR ACCEPTANCE. THE ACCEPTABLE PLAN MUST BE SUBMITTED TO THE CORPS PRIOR TO STARTING WORK. THE CORPS WILL NOT BE PROVIDING AN APPROVAL UNLESS STATED OTHERWISE IN THE PERMIT. IN-STREAM WORK CAN COMMENCE AT THE CONTRACTOR'S DISCRETION AFTER THE CORPS HAS BEEN COPIED WITH THE PLAN ACCEPTABLE TO THE DEPARTMENT. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE CORPS' WEBSITE: <http://www.irc.usace.army.mil/cor/pdf/cofferdam.pdf>. LACK OF AN APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY RATING.
34. 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 11.6.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
35. ALL WORK ASSOCIATED WITH INSTALLATION AND MAINTENANCE OF CONCRETE TRUCK WASHOUT IS INCIDENTAL TO THE CONTRACT AND WILL NOT BE PAID FOR SEPARATELY.
36. ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:
 - A. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
 - B. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS NEEDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
 - C. ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DIRECTED BY THE ENGINEER.
 - D. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS AND SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
37. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE PERFORMED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
38. THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS, EXISTING DRIVEWAY ACCESS AND PEDESTRIAN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT UNLESS OTHERWISE NOTED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
39. SAW CUTTING OF PAVEMENT, SHOULDERS, ETC., SHALL BE FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
40. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 SHALL BE USED FOR ALL ASPHALT SURFACES, INCLUDING PRIVATE AND COMMERCIAL ENTRANCES.
41. THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS IS NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE HOT-MIX ASPHALT MIXTURES ARE TO BE PLACED.
42. PROTECTIVE COAT SHALL BE APPLIED TO ALL CUTTER FLAGS, FACE AND TOP OF CURB, PCC SIDEWALK, AND AS DIRECTED BY THE ENGINEER.
43. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
44. TEMPORARY INFORMATION SIGNING AND CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT PROJECT LIMITS AND INTERSECTIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
45. EXCAVATION FOR STORM SEWER CONSTRUCTION SHALL NOT EXTEND BEYOND TRENCH LIMITS SHOWN ON THE CROSS SECTIONS.
46. TREE REMOVAL SHALL BE COORDINATED WITH THE VILLAGE OF WINNETKA FORESTER AND WITH INVOLVED PROPERTY OWNERS.

BENCHMARKS:

- BM1: CROSS IN SOUTHWEST SIDEWALK CROSSING RAMP AT THE INTERSECTION OF SHERIDAN ROAD AND TOWER ROAD. ELEV: 657.49
- BM2: EAST SIDE OF SHERIDAN ROAD NORTH OF ACCESS TO PROPERTY ADDRESS 1055 SHERIDAN ROAD. CROSS IN SIDEWALK. ELEV: 640.23
- BM3: EAST SIDE OF SHERIDAN ROAD SOUTH OF THE ACCESS TO PROPERTY ADDRESS 1119 & 1127. CROSS IN SIDEWALK. ELEV: 623.175
- BM4: A CUT CROSS IN THE NORTHERLY SIDEWALK OF SHERIDAN ROAD APPROXIMATELY 65 FT SOUTHEASTERLY OF THE EXTENDED CENTERLINE OF A PRIVATE DRIVE AT STATION 66+00.05, 28.49 LT. ELEV: 654.72
- BM5: A REBAR FOUND IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF SHERIDAN ROAD AND RAVINE DRIVE AT STATION 79+90.37, 21.36 RT. ELEV: 651.73
- BM6: A MAG NAIL FOUND IN THE DRIVEWAY APRON FOR A LARGE DRAINAGE STRUCTURE AT STATION 71+91.53, 21.73 LT. ELEV: 602.38
- BM7: A REBAR FOUND APPROXIMATELY 5 FT SOUTH OF THE SOUTH EDGE OF PAVEMENT OF SHERIDAN ROAD AND APPROXIMATELY 20 FT NORTHWESTERLY OF THE SOUTHERLY HEADWALL OF A CULVERT AT STATION 57+07.12, 19.74 RT. ELEV: 636.84



USER NAME: vfang	DESIGNED: WJT	REVISED:
PLT SCALE: 5/8"=1'-0"	DRAWN: WJT	REVISED:
PLT DATE: 5/11/2015	CHECKED: JTP	REVISED:
	DATE: 05-11-2015	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
GENERAL NOTES (CONT'D) AND BENCHMARKS

F.A.D. R/E:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3809	112 & 112X1 R5-6	COOK	83	3
			CONTRACT NO. 60048	
ILLINOIS/FEB. 470 PRO.DOT				

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. N/A TO STA. N/A

CODE NO.	ITEM	UNIT	URBAN 100% STATE TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0005	STRUCTURE 0044 BAFFLE STRT.	STRUCTURE 0044 JUNCTION CHB.
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	94	94		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	106	106		
20101000	TEMPORARY FENCE	FOOT	473	473		
20101200	TREE ROOT PRUNING	EACH	5	5		
20200100	EARTH EXCAVATION	CU YD	515	515		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	409	409		
20700220	POROUS GRANULAR EMBANKMENT	CU YD	82			82
20800150	TRENCH BACKFILL	CU YD	1269	1224	65	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	396	396		
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	130	130		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	21	21		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	21	21		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	21	21		
25100115	MULCH, METHOD 2	ACRE	0.25	0.25		

* SPECIALTY ITEM



USER NAME * Wfeng
 DESIGNED - WJT
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 CHECKED - JJP
 DATE - 05-11-2019

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
 SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 1 OF 11 SHEETS STA. N/A TO STA. N/A

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
3809	012 & 1120 45-8	COOK	83
			4
CONTRACT NO. 60648			
ILLINOIS FED. AID PROJECT			

14

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0005	STRUCTURE 0044 BAFFLE STRT.	STRUCTURE 0044 JUNCTION CHB.
25100630	EROSION CONTROL BLANKET	SQ YD	722	722		
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	621	621		
25200110	SODDING, SALT TOLERANT	SQ YD	915	915		
25200200	SUPPLEMENTAL WATERING	UNIT	3.1	3.1		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	28	28		
28000315	AGGREGATE DITCH CHECKS	TON	14.4	14.4		
28000400	PERIMETER EROSION BARRIER	FOOT	1418	1418		
28000500	INLET AND PIPE PROTECTION	EACH	2	2		
28000510	INLET FILTERS	EACH	233	233		
28100107	STONE RIPRAP, CLASS A4	SQ YD	114	114		
28100109	STONE RIPRAP, CLASS A5	SQ YD	248	248		
28200200	FILTER FABRIC	SQ YD	432	432		
31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	172	172		
35501309	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	40	40		

19
* SPECIALTY ITEM

URBAN
100% STATE



USER NAME - Wang	DESIGNED - WJT	REVISED -
DRAWN - WJT	CHECKED - JJP	REVISED -
DATE - 05/11/2018		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 2 OF 11 SHEETS STA. N/A TO STA. N/A

P.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2509	112 & 112X1 RS-6	COOK	83	5
CONTRACT NO. 60048			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0005	STRUCTURE 0044 BAFFLE STRT.	STRUCTURE 0044 JUNCTION CHE.
35501316	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	296	296		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	77400	77400		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	25.8	25.8		
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	3612	3612		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	992	992		
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	7263	7263		
42001300	PROTECTIVE COAT	SQ YD	1737	1737		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	89	89		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	17	17		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2725.5	2725.5		
42400800	DETECTABLE WARNINGS	SQ FT	243	243		
44000100	PAVEMENT REMOVAL	SQ YD	774	774		
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	82576	82576		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	257	257		

* SPECIALTY ITEM

URBAN
100% STATE



USER NAME - Wfang	DESIGNED - WJT	REVISED -
DRAWN - WJT	CHECKED - JJP	REVISED -
DATE - 05-11-2015		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 3 OF 11 SHEETS STA. N/A TO STA. N/A

P.A.U. RTE. 3809	SECTION 012 & 112X) R5-R	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 6
CONTRACT NO. 60648			ILLINOIS FED. AID PROJECT	

URBAN
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0005	STRUCTURE 0044 BAFFLE STRT.	STRUCTURE 0044 JUNCTION CHB.
44000300	CURB REMOVAL	FOOT	2846	2846		
44000400	GUTTER REMOVAL	FOOT	633	633		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2476	2476		
44000600	SIDEWALK REMOVAL	SQ FT	2674	2674		
44201682	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	12	12		
44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	583	583		
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	197	197		
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	82	82		
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	9	9		
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	289	289		
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	103	103		
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	446	446		
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1			1
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1		

* SPECIALTY ITEM



USER NAME = WJang
DESIGNED -- WJT
DRAWN -- WJT
CHECKED -- JJP
DATE -- 05-11-2019
REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 4 OF 11 SHEETS STA. N/A TO STA. N/A

P.A.G. HTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3828	(112 & 112X) R5-6	COOK	83	7
CONTRACT NO. 80048			ILLINOIS EXP. HD PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	STRUCTURE	STRUCTURE
				0005	0044 BAFFLE STRT.	0044 JUNCTION CHB.
50200100	STRUCTURE EXCAVATION	CU YD	259		171	88
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	9000		9000	
54003000	CONCRETE BOX CULVERTS	CU YD	36		36	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2		
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	369	369		
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	39	39		
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	137	137		
550A0780	STORM SEWERS, CLASS A, TYPE 3 48"	FOOT	244	244		
550A0820	STORM SEWERS, CLASS A, TYPE 3 72"	FOOT	38	38		
55100800	STORM SEWER REMOVAL 12"	FOOT	40	40		
55101600	STORM SEWER REMOVAL 36"	FOOT	82	82		
55101900	STORM SEWER REMOVAL 48"	FOOT	35	35		
56400510	FIRE HYDRANTS TO BE REMOVED AND REPLACED	EACH	1	1		
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4	4		

* SPECIALTY ITEM

URBAN
100% STATE



USER NAME = WJing
DESIGNED - WJT
DRAWN - WJT
CHECKED - JEP
DATE - 09-11-2018
PLOT SCALE = 3/8" = 1' @ 11" x 17"
PLOT DATE = 9/12/2018

REVISIONS
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 9 OF 11 SHEETS STA. N/A TO STA. N/A

PLAN R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	012 & 012X 05-R	COOK	83	8
CONTRACT NO. 80648			(ILLINOIS) FED. AID PROJECT	

URBAN
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	STRUCTURE	STRUCTURE
				0005	0044 BAFFLE STRT.	0044 JUNCTION CHB.
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2		
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	4	4		
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	13	13		
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6		
60224020	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1		
60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2		
60224458	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 8 GRATE	EACH	1	1		
60500040	REMOVING MANHOLES	EACH	4	4		
60500060	REMOVING INLETS	EACH	4	4		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2789.5	2789.5		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	913.5	913.5		
60607400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24	FOOT	583	583		
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	1231	1231		
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	310	310		

* SPECIALTY ITEM



USER NAME - WTeng	DESIGNED - WJT	REVISED -
DRAWN - WJT	REVISED -	
CHECKED - JIP	REVISED -	
DATE - 08-11-2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 6 OF 11 SHEETS STA. N/A TO STA. N/A

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3909	(112 & 112K) R5-6	COOK	83	9
CONTRACT NO. 80648			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0005	STRUCTURE 0044	STRUCTURE 0044
					BAFFLE STRT.	JUNCTION CHB.
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
63200310	GUARDRAIL REMOVAL	FOOT	163	163		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3500	3500		
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4	4		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4		
67100100	MOBILIZATION	LSUM	1	1		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1		
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	63	63		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	8	8		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4676	4676		
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	232	232		

19

* SPECIALTY ITEM

URBAN
100% STATE



USER NAME - WTeng	DESIGNED - WJT	REVISED -
DRAWN - WJT	CHECKED - JIP	REVISED -
PLT SCALE - 50:2000 1/4"	DATE - 06-11-2015	REVISED -
PLT DATE - 5/12/2015		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 7 OF 11 SHEETS STA. N/A TO STA. N/A

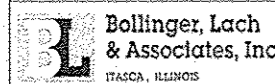
P.A.U. RFE.	SECTION	COUNTY	TOTAL SHEETS
3909	(112 & 112K) RS-6	COOK	63 10
CONTRACT NO. 60048			

ILLINOIS REC. AND PROJECT

URBAN
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY	STRUCTURE	STRUCTURE
				0005	0044	0044
				BAFFLE STRT.	JUNCTION CHB.	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	53914	53914		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5160	5160		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	88	88		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2528	2528		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1552	1552		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	27275	27275		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	273	273		
* 72900100	METAL POST - TYPE A	FOOT	394	394		
* 72900200	METAL POST - TYPE B	FOOT	373	373		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1749	1749		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	49127	49127		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	23597	23597		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	44	44		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1264	1264		

* SPECIALTY ITEM



USER NAME - WJW	DESIGNED - WJT	REVISED -
DRAWN - WJT	CHECKED - JIP	REVISED -
PLOT SCALE - 30.0000 1/2 IN.	DATE - 05-11-2015	REVISED -
PLOT DATE - 5/12/2015		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 8 OF 11 SHEETS STA. N/A TO STA. N/A

F.A.M. RFE.	SECTION	COUNTY	TOTAL SHEET SHEETS
3909	012 & 112A) RS-8	COOK	83 11
			CONTRACT NO. 60048
ILLINOIS FED. AID PROJECT			

URBAN
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0005	STRUCTURE 0044 BAFFLE STRT.	STRUCTURE 0044 JUNCTION CHB.
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	776	776		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	511	511		
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	26	26		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	511	511		
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	598	598		
X0323160	VIDEO INSPECTION OF STORM SEWER	FOOT	2581	2581		
X0323265	REMOVE EXISTING RIPRAP	SQ YD	114	114		
X0426200	DEWATERING	LSUM	1	1		
X2500322	SEEDING, CLASS 5A, (MODIFIED)	ACRE	0.13	0.13		
X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.13	0.13		
X4401195	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2439	2439		
X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	465	465		
X5537500	STORM SEWERS TO BE CLEANED 6"	FOOT	33	33		

14

* SPECIALTY ITEM



USER NAME - WTang	DESIGNED - RJT	REVISED -
DRAWN - RJT	CHECKED - JJP	REVISED -
PLT SCALE - 50:2000 1/2" = 1'	DATE - 08-11-2015	REVISED -
PLT DATE - 5/12/2015		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 9 OF 11 SHEETS STA. N/A TO STA. N/A

F.A.D. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3909	012 & 1000 RS-6	COOK	53	12
		CONTRACT NO.	60648	
ILLINOIS FED. AID PROJECT				

URBAN
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				ROADWAY 0005	STRUCTURE 0044 BAFFLE STRT.	STRUCTURE 0044 JUNCTION CHB.
X5537600	STORM SEWERS TO BE CLEANED 8"	FOOT	53	53		
X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	61	61		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	496	496		
X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	471	471		
X5538400	STORM SEWERS TO BE CLEANED 30"	FOOT	149	149		
X5538600	STORM SEWERS TO BE CLEANED 36"	FOOT	1199	1199		
X5538800	STORM SEWERS TO BE CLEANED 48"	FOOT	119	119		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	353	353		
X6061460	PAVED DITCH (SPECIAL)	FOOT	15	15		
Z0007510	ENGINEERED BARRIER	SQ YD	1200	1200		
Z0013757	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	62	62		
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1		
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	233	233		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	1400	1400		

14

* SPECIALTY ITEM



USER NAME = WTang	DESIGNED - WJT	REVISED -
PLT SCALE = 5/8"=1'-0"	DRAWN - WJT	REVISED -
PLT DATE = 5/12/2015	CHECKED - JJP	REVISED -
	DATE = 05-11-2015	REVISED -

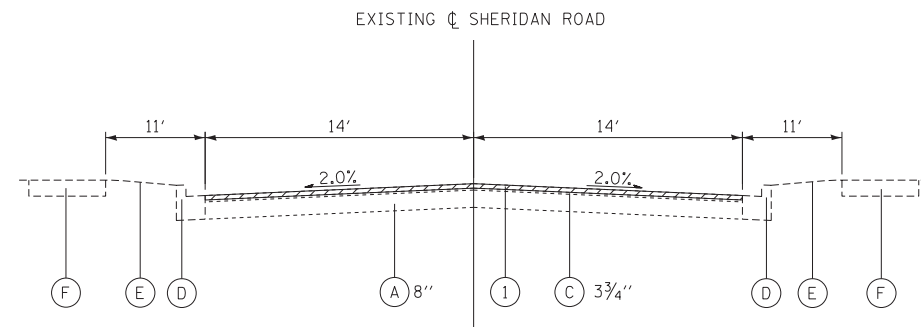
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
SUMMARY OF QUANTITIES

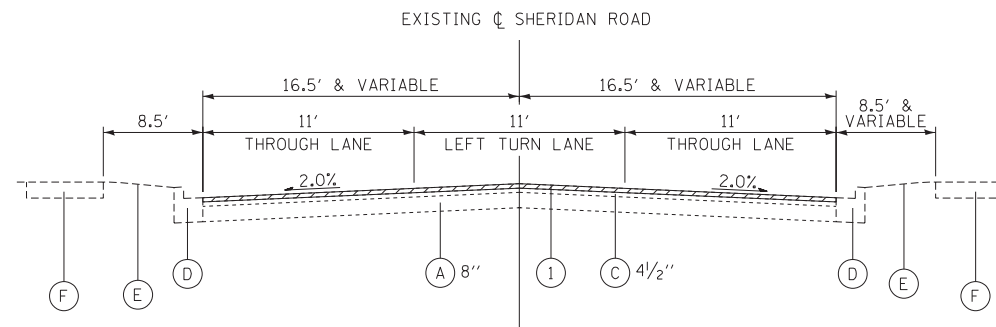
SCALE: N.T.S. SHEET NO. 10 OF 11 SHEETS STA. N/A TO STA. N/A

P.A.U. R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-R	COOK	83	13
		CONTRACT NO. 60048		

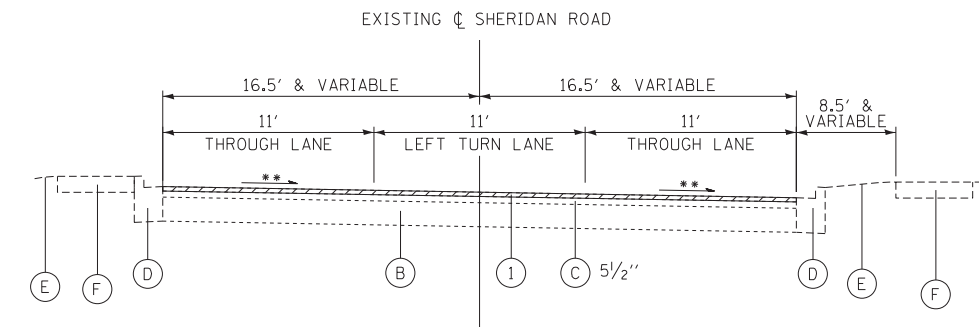
ILLINOIS PSD 410 PROJECT



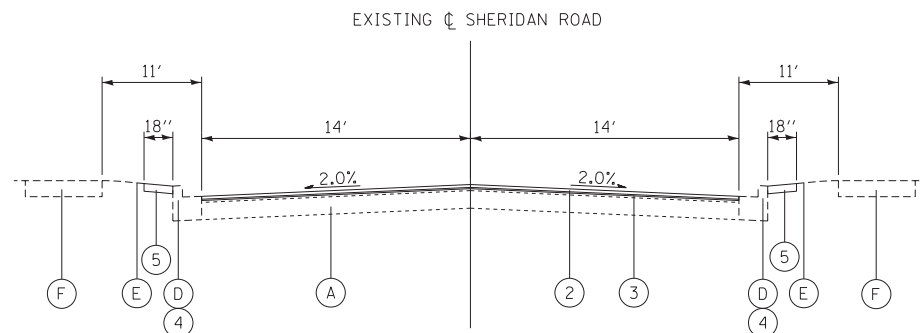
EXISTING TYPICAL SECTION
STA. 109+64 TO STA. 195+57



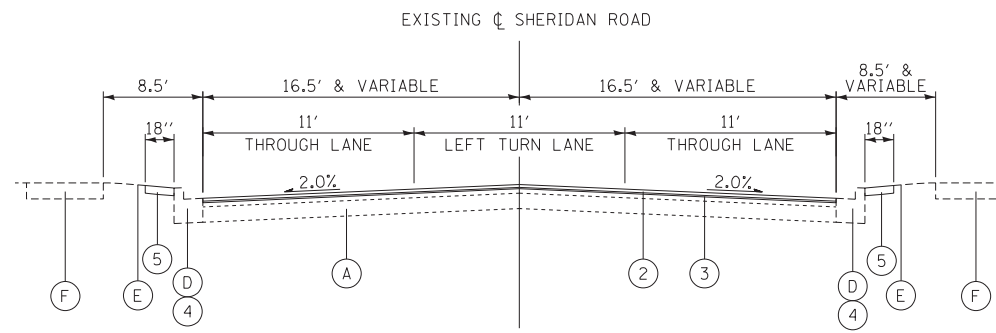
EXISTING TYPICAL SECTION
STA. 195+57 TO STA. 199+48



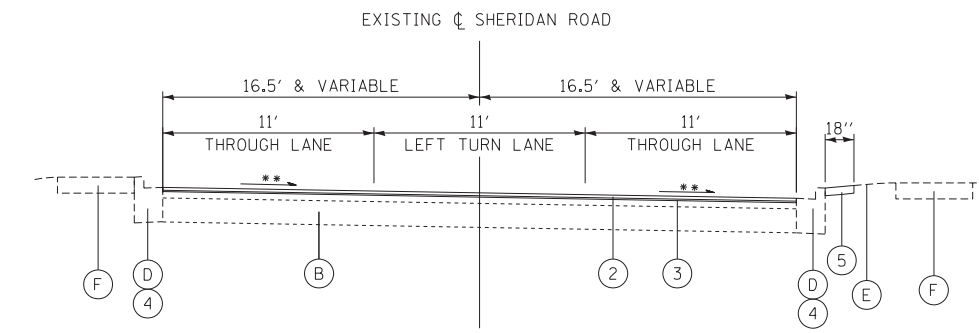
EXISTING TYPICAL SECTION
STA. 199+48 TO STA. 204+26
** SLOPES VARY (SEE CROSS SECTIONS)



PROPOSED TYPICAL SECTION
STA. 109+64 TO STA. 195+57



PROPOSED TYPICAL SECTION
STA. 195+57 TO STA. 199+48



PROPOSED TYPICAL SECTION
STA. 199+48 TO STA. 204+26
** SLOPES VARY (SEE CROSS SECTIONS)

EXISTING CONDITIONS:

- (A) PCC BASE COURSE
- (B) AGG BASE COURSE, 12 1/2"
- (C) HOT-MIX ASPHALT SURFACE COURSE (R)
- (D) COMBINATION CONCRETE CURB AND GUTTER, TYPE VARIES (R)
- (E) GROUND LINE
- (F) SIDEWALK (R)
- [Hatched Box] ITEMS TO BE REMOVED

PROPOSED IMPROVEMENTS:

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70, 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, 3/4"
- (4) COMB. CURB AND GUTTER REMOVAL COMB. CONC. CURB AND GUTTER (AS DETERMINED BY THE ENGINEER)
- (5) SODDING (SALT TOLERANT), 6" TOPSOIL, AND NUTRIENTS
- (6) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

ITEMS WITH (R) ARE TO BE REMOVED AS SHOWN ON THE TYPICAL SECTIONS AND/OR ON THE PLAN SHEETS.

•CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm) (1 1/2")	4% @ 70 GYR	OCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 (3/4")	3.5% @ 50 GYR	OCP
PAVEMENT PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm); 4", 8", 9"	4% @ 70 GYR	QC/QA
DRIVEWAYS: PE & CE		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); PE 6", CE 8"	4% @ 50 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (OCP)		

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/50 YD/IN.

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

FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

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



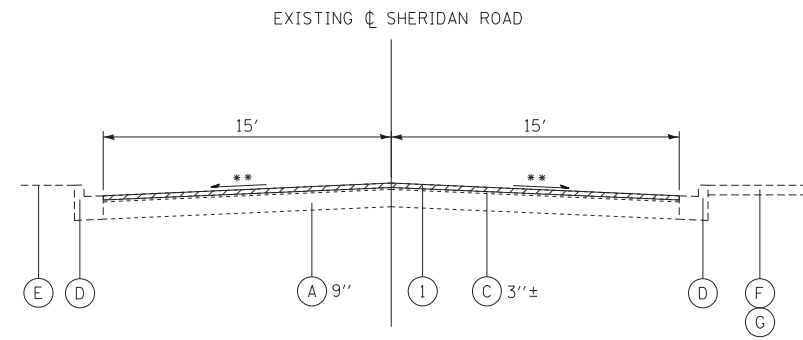
USER NAME = WTeng	DESIGNED - WJT	REVISED -
	DRAWN - WJT	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - JIP	REVISED -
PLOT DATE = 5/12/2015	DATE - 05-11-2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

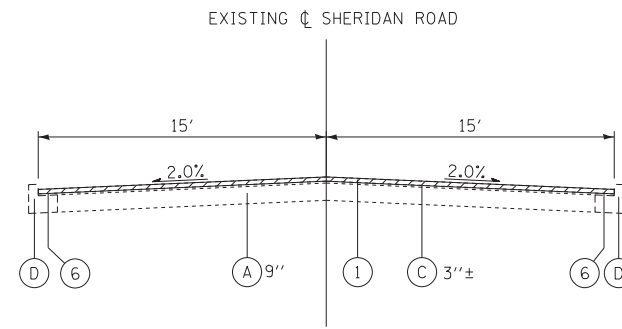
SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. N/A TO STA. N/A

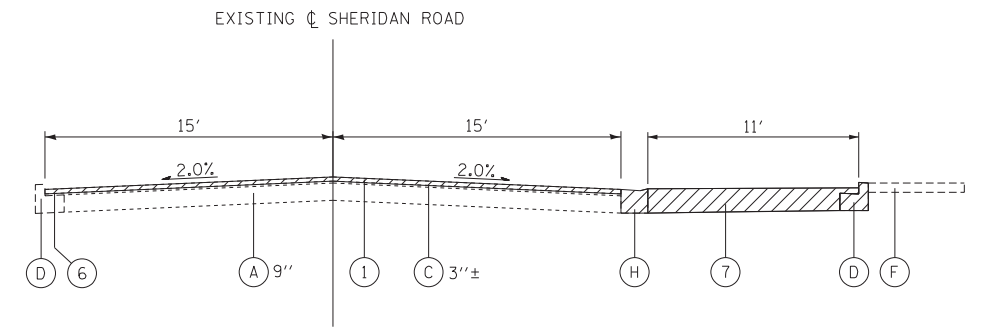
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	15
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				



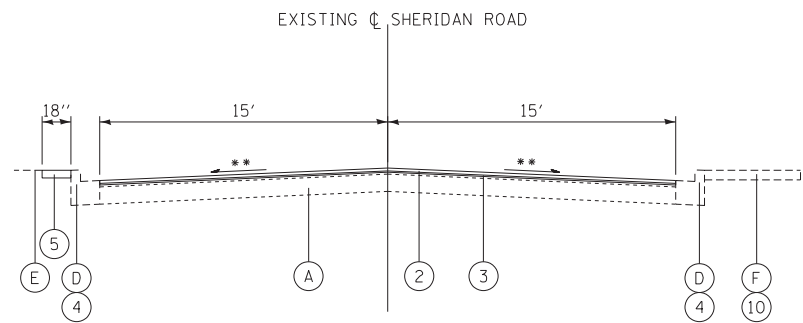
EXISTING TYPICAL SECTION
STA. 204+26 TO STA. 258+00
** SLOPES VARY (SEE CROSS SECTIONS)



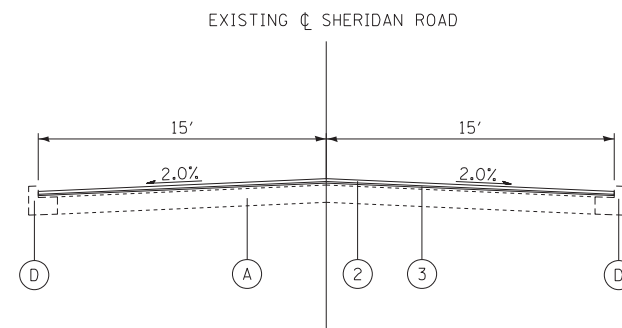
EXISTING TYPICAL SECTION
STA. 258+00 TO STA. 352+66
STA. 358+93 TO STA. 363+64



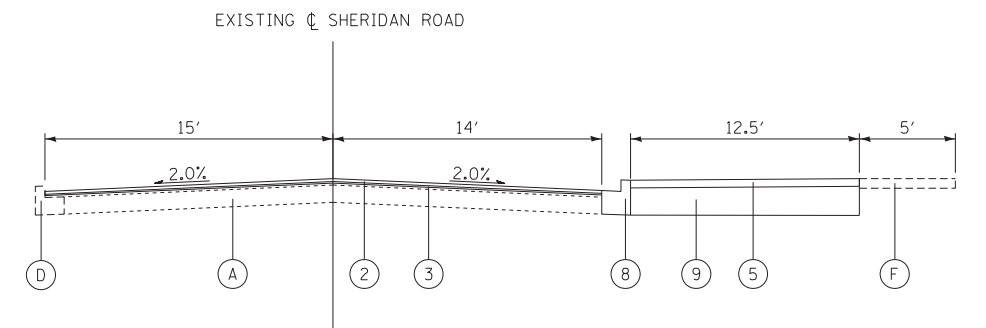
EXISTING TYPICAL SECTION
STA. 352+66 TO STA. 358+93



PROPOSED TYPICAL SECTION
STA. 204+26 TO STA. 258+00
** SLOPES VARY (SEE CROSS SECTIONS)
FROM STA 215+46 TO STA 231+01,
• REMOVE EX. BARRIER CURB
• LT OFFSET: PR. CONC. C&G, TYPE B-6.24 AND B-9.24
• RT OFFSET: PR. MOUNTABLE C&G, TYPE M-4.12 AND M-6.12



PROPOSED TYPICAL SECTION
STA. 258+00 TO STA. 352+66
STA. 358+93 TO STA. 363+64



PROPOSED TYPICAL SECTION
STA. 352+66 TO STA. 358+93

EXISTING CONDITIONS:

- (A) PCC BASE COURSE
- (B) AGG BASE COURSE, 12 1/2"
- (C) HOT-MIX ASPHALT SURFACE COURSE (R)
- (D) COMBINATION CONCRETE CURB AND GUTTER, TYPE VARIES (R)
- (E) GROUND LINE
- (F) SIDEWALK (R)
- (G) ASPHALT PATH (STA 212+52 - STA 237+63) (R)
- (H) CONCRETE GUTTER (R)
- [Hatched Box] ITEMS TO BE REMOVED

ITEMS WITH (R) ARE TO BE REMOVED AS SHOWN ON THE TYPICAL SECTIONS AND/OR ON THE PLAN SHEETS.

PROPOSED IMPROVEMENTS:

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70, 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, 3/4"
- (4) COMB. CURB AND GUTTER REMOVAL
COMB. CONC. CURB AND GUTTER (AS DETERMINED BY THE ENGINEER)
- (5) SODDING (SALT TOLERANT), 6" TOPSOIL, AND NUTRIENTS
- (6) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (7) PAVEMENT REMOVAL, VARIABLE DEPTH
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) TOPSOIL EXCAVATION AND PLACEMENT, 14"
- (10) CLASS D PATCHES, 4" (EMERGENCY VEHICLE PULL OVER FROM STA 215+37 - STA 231+07)



USER NAME = WTeng	DESIGNED - WJT	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - WJT	REVISED -
PLOT DATE = 5/12/2015	CHECKED - JIP	REVISED -
	DATE - 05-11-2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	16
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				

TREE REMOVAL SCHEDULE (6-15 UNITS)			
NO.	STATION	OFFSET	QUANTITY (UNIT)
1	218+23.22	25.87' RT	14
2	218+80.15	29.06' RT	10
3	219+11.46	25.09' RT	8
4	219+36.93	23.47' RT	10
5	221+36.91	39.50' RT	14
6	221+63.24	57.95' RT	12
7	221+63.78	157.96' RT	6
8	221+64.54	198.32' RT	12
9	236+26.76	22.33' LT	8
Total			94

TREE REMOVAL SCHEDULE (OVER 15 UNITS)			
NO.	STATION	OFFSET	QUANTITY (UNIT)
1	219+77.90	27.99' RT	16
2	220+75.86	27.92' RT	18
3	221+60.95	84.05' RT	18
4	221+64.29	151.85' RT	16
5	221+62.90	174.07' RT	18
6	227+94.05	20.38' RT	20
Total			106

TEMPORARY FENCE (FOOT)			
NO.	STATION	OFFSET	QUANTITY
1	217+48.58	25.83' LT	62
2	217+79.58	35.01' LT	44
3	218+03.32	29.63' LT	74
4	221+36.12	50.82' RT	36
5	221+42.78	65.08' RT	57
6	221+68.89	59.11' RT	73
7	221+54.57	154.92' RT	59
8	221+57.32	203.79' RT	68
Total			473

REMOVING INLETS (EA)		
STATION	OFFSET	QUANTITY
221+05	15' LT	1
222+11	15' LT	1
222+49	14' LT	1
222+61	15' RT	1
TOTAL		4

REMOVING MANHOLES (EA)		
STATION	OFFSET	QUANTITY
218+07	18' RT	1
219+94	17' RT	1
220+60	15' RT	1
221+56	69' RT	1
TOTAL		4

INLET AND PIPE PROTECTION (EA)		
STATION	OFFSET	QUANTITY
235+41	24' LT	1
236+06	23' LT	1
TOTAL		2

LOCATION STATION-STATION	THERMOPLASTIC PAVEMENT MARKING SCHEDULE						TEMPORARY PAVEMENT MARKING SCHEDULE					
	4" (FT)	6" (FT)	8" (FT)	12" (FT)	24" (FT)	LETTERS & SYM. (SQ FT)	4" (FT)	6" (FT)	8" (FT)	12" (FT)	24" (FT)	LETTERS & SYM. (SQ FT)
109+64 - 130+00 RT	2183	57			14	88	452	114			28	
109+64 - 130+00 LT	2055	191			40	80	452	382			80	
130+00 - 160+00 RT	3108	232			38	112	648	464			76	
130+00 - 160+00 LT	2894	367			73	128	648	734			146	
160+00 - 190+00 RT	3574	100			14	128	1304	200			28	
160+00 - 190+00 LT	3399	232			69	120	1424	464			138	
190+00 - 220+00 RT	5281	528		179	60	53	6588	1056		358	120	74
190+00 - 220+00 LT	5180	363	44	131	101	111	6582	726	88	262	202	158
220+00 - 250+00 RT	4373	963				41	5204					
220+00 - 250+00 LT	4548	969			44	49	5518				88	
250+00 - 280+00 RT	1715	682		42	56	128	3442	420		84	112	
250+00 - 280+00 LT	1364	2716		150	73	139	2744	66		300	146	
280+00 - 310+00 RT	1944	2630		321	84	128	3890	210		642	168	
280+00 - 310+00 LT	2045	2614		315	68	109	4090	124		630	136	
310+00 - 340+00 RT	1959	4759		126	42	95	3918	200		252	84	
310+00 - 340+00 LT	1959	2377				93	3918					
340+00 - 363+64 RT	760	1881				76	1520					
340+00 - 363+64 LT	786	1936				71	1572					
Total	49127	23597	44	1264	776	1749	53914	5160	88	2528	1552	232

REMOVAL SCHEDULE							
LOCATION STATION-STATION	HMA SURFACE REMOVAL, 2 1/4" (SQ YD)	HMA SURFACE REMOVAL, VAR. DEPTH (SQ YD)	HMA SURFACE REMOVAL - BUTT JOINT (SQ YD)	CURB REMOVAL (FT)	GUTTER REMOVAL (FT)	COMB. CURB & GUTTER REMOVAL (FT)	SIDEWALK REMOVAL (SQ FT)
109+64 - 130+00 RT	3137		34			24	323
109+64 - 130+00 LT	3450		33			23	424
130+00 - 160+00 RT	4923		38				
130+00 - 160+00 LT	5428		69				
160+00 - 190+00 RT	4682					5	126
160+00 - 190+00 LT	5358		38			11	236
190+00 - 220+00 RT	5298		39	457		20	212
190+00 - 220+00 LT	5615		71	479		20	228
220+00 - 250+00 RT	5027	135	30	967			789
220+00 - 250+00 LT	5276	135	34	943			
250+00 - 280+00 RT	5036	333	51				
250+00 - 280+00 LT	5621	333	83				
280+00 - 310+00 RT	4855	308	78				
280+00 - 310+00 LT	4767	308	70				
310+00 - 340+00 RT	4028	271	82				
310+00 - 340+00 LT	3833	258	97				
340+00 - 363+64 RT	3140	142	85		633	553	211
340+00 - 363+64 LT	3102	216	60				
TBD BY ENGINEER						1820	125
TOTAL	82576	2439	992	2846	633	2476	2674

LOCATION STATION-STATION	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (TON)	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (TON)	BITUMINOUS MATERIALS (PRIME COAT) (POUND)
109+64 - 130+00 RT	266	133	2850
109+64 - 130+00 LT	293	146	3130
130+00 - 160+00 RT	417	208	4470
130+00 - 160+00 LT	462	231	4950
160+00 - 190+00 RT	393	197	4210
160+00 - 190+00 LT	453	227	4860
190+00 - 220+00 RT	448	224	4800
190+00 - 220+00 LT	478	239	5120
220+00 - 250+00 RT	440	218	4670
220+00 - 250+00 LT	458	229	4900
250+00 - 280+00 RT	455	228	4880
250+00 - 280+00 LT	507	253	5430
280+00 - 310+00 RT	440	220	4720
280+00 - 310+00 LT	432	216	4630
310+00 - 340+00 RT	368	184	3940
310+00 - 340+00 LT	352	176	3770
340+00 - 363+64 RT	316	141	3030
340+00 - 363+64 LT	284	142	3040
TBD BY ENGINEER	1		
TOTAL	7263	3612	77400

LOCATION STATION-STATION	DRAINAGE STRUCTURES TO BE CLEANED (EACH)	INLET FILTERS (EACH)	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (EACH)
109+64 - 130+00 RT	14	14	12
109+64 - 130+00 LT	15	15	13
130+00 - 160+00 RT	20	20	19
130+00 - 160+00 LT	17	17	36
160+00 - 190+00 RT	16	16	19
160+00 - 190+00 LT	13	13	17
190+00 - 220+00 RT	14	14	27
190+00 - 220+00 LT	14	14	30
220+00 - 250+00 RT	7	7	11
220+00 - 250+00 LT	15	15	24
250+00 - 280+00 RT	19	19	20
250+00 - 280+00 LT	16	16	33
280+00 - 310+00 RT	14	14	25
280+00 - 310+00 LT	15	15	26
310+00 - 340+00 RT	9	9	18
310+00 - 340+00 LT	7	7	10
340+00 - 363+64 RT	5	5	9
340+00 - 363+64 LT	3	3	4
Total	233	233	353

LOCATION STATION-STATION	COMB. CONCRETE CURB & GUTTER (FOOT)					PCC SIDEWALK, 5 INCH (SQ FT)
	TY. B-6.12	TY. B-6.24	TY. B-9.24	TY. M-4.12	TY. M-6.12	
109+64 - 130+00 RT	24					325
109+64 - 130+00 LT	23					422
130+00 - 160+00 RT						
130+00 - 160+00 LT						
160+00 - 190+00 RT	5					236
160+00 - 190+00 LT	11					126
190+00 - 220+00 RT	61			435	22	212
190+00 - 220+00 LT	20	211.5	263			228
220+00 - 250+00 RT				796	288	788.5
220+00 - 250+00 LT		702	320			
250+00 - 280+00 RT						
250+00 - 280+00 LT						
280+00 - 310+00 RT						
280+00 - 310+00 LT						
310+00 - 340+00 RT						
310+00 - 340+00 LT						
340+00 - 363+64 RT	825.5					263
340+00 - 363+64 LT						
TBD BY ENGINEER	1820					125
TOTAL	2789.5	913.5	583	1231	310	2725.5



USER NAME = WTeng	DESIGNED - WJT	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - WJT	REVISED -
PLOT DATE = 5/11/2015	CHECKED - JIP	REVISED -
	DATE - 05-11-2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	17
CONTRACT NO. 60C48				
ILLINOIS FED. AID PROJECT				

THERMOPLASTIC PAVEMENT MARKING, 24" (STOP BARS)			
NO.	STATION	OFFSET	LENGTH (FT)
1	113+87	36' LT	8
2	120+94	7' RT	14
3	121+32	36' LT	9
4	121+80	7' LT	14
5	125+07	36' LT	9
6	132+64	34' RT	14
7	133+06	36' LT	17
8	141+95	36' LT	11
9	144+51	36' LT	15
10	150+16	34' RT	16
11	150+26	35' LT	14
12	156+44	35' RT	8
13	156+53	36' LT	16
14	162+07	37' LT	13
15	167+53	35' LT	13
16	177+77	7' RT	14
17	178+01	35' LT	29
18	178+82	7' LT	14
19	190+40	7' RT	14
20	190+80	34' LT	15
21	190+88	36' RT	14
22	191+24	7' LT	14
23	198+30	42' RT	10
24	199+13	5' RT	22
25	199+66	33' LT	23
26	199+98	5' LT	25
27	200+07	25' LT	24
28	238+23	30' LT	14
29	239+32	39' LT	17
30	243+42	47' LT	13
31	250+31	31' LT	11
32	250+42	40' RT	9
33	253+80	28' LT	12
34	253+91	39' RT	10
35	258+17	36' LT	15
36	258+31	39' RT	12
37	262+58	33' LT	10
38	266+07	33' LT	11
39	268+65	33' RT	10
40	270+88	31' RT	15
41	274+88	67' LT	14
42	280+53	41' RT	10
43	287+33	43' RT	17
44	288+06	53' LT	14
45	297+38	40' LT	14
46	297+50	33' RT	15
47	302+40	10' RT	15
48	302+79	32' LT	13
49	302+94	40' RT	13
50	303+26	6' LT	15
51	307+56	36' LT	13
52	307+70	40' RT	13
53	313+53	37' RT	8
54	318+33	36' RT	9
55	327+44	30' RT	10
56	333+06	29' RT	15
TOTAL			776

FOR LOCATION PURPOSES ONLY

LOCATION		DESCRIPTION			SIGN PANEL POST TY A (FT)	SIGN PANEL POST TY B (FT)	SIGN PANEL ASSEMBLY TYPE
STATION	O/S	SIGN LEGEND SYMBOL	CODE	LABEL			
109+80	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
109+80	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
113+28	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
113+28	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
117+36	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
117+36	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
120+84	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
120+84	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
125+63	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
125+63	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
128+96	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
128+96	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
133+18	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
133+18	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
136+57	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
136+57	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
140+67	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
140+67	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
144+00	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
144+00	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
148+20	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
148+20	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
151+58	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
151+58	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
155+65	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
155+65	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
159+44	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
159+44	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
163+22	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
163+22	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
166+98	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
166+98	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
170+82	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
170+82	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
174+91	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
174+91	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
179+67	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
179+67	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
182+25	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
182+25	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
187+42	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
187+42	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
189+96	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
189+96	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
194+03	RT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
194+03	RT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
197+46	RT	OLD GREEN BAY RD 0.4	D1-1c	E	11		SINGLE
197+47	LT	BICYCLE WARNING	W11-1	G		15	ASSEMBLY
197+47	LT	SHARE THE ROAD	W16-1P	H			ASSEMBLY
238+81	LT	BIKE LANE	R3-17	A		13	ASSEMBLY
238+81	LT	AHEAD	R3-17aP	B			ASSEMBLY
238+81	LT	LEFT TURN ARROW	M6-1L	D			ASSEMBLY
239+99	RT	BIKE LANE	R3-17	A	12		SINGLE
240+65	LT	BIKE LANE	R3-17	A	12		ASSEMBLY
240+65	LT	ENDS	R3-17bP	C			ASSEMBLY
240+94	LT	OLD GREEN BAY RD 0.2	D1-1c	F	11		SINGLE
244+82	RT	BIKE LANE	R3-17	A	12		SINGLE
249+38	LT	BIKE LANE	R3-17	A	12		SINGLE

LOCATION		DESCRIPTION			SIGN PANEL POST TY A (FT)	SIGN PANEL POST TY B (FT)	SIGN PANEL ASSEMBLY TYPE
STATION	O/S	SIGN LEGEND SYMBOL	CODE	LABEL			
251+19	RT	BIKE LANE	R3-17	A	12		SINGLE
257+71	LT	BIKE LANE	R3-17	A	12		SINGLE
259+08	RT	BIKE LANE	R3-17	A	12		SINGLE
265+26	LT	BIKE LANE	R3-17	A	12		SINGLE
266+69	RT	BIKE LANE	R3-17	A	12		SINGLE
273+93	LT	BIKE LANE	R3-17	A	12		SINGLE
275+57	RT	BIKE LANE	R3-17	A	12		SINGLE
279+96	LT	BIKE LANE	R3-17	A	12		SINGLE
281+07	RT	BIKE LANE	R3-17	A	12		SINGLE
286+77	LT	BIKE LANE	R3-17	A	12		SINGLE
288+61	RT	BIKE LANE	R3-17	A	12		SINGLE
296+79	LT	BIKE LANE	R3-17	A	12		SINGLE
298+65	RT	BIKE LANE	R3-17	A	12		SINGLE
302+01	LT	BIKE LANE	R3-17	A	12		SINGLE
303+94	RT	BIKE LANE	R3-17	A	12		SINGLE
306+94	LT	BIKE LANE	R3-17	A	12		SINGLE
308+29	RT	BIKE LANE	R3-17	A	12		SINGLE
317+80	LT	BIKE LANE	R3-17	A	12		SINGLE
318+68	RT	BIKE LANE	R3-17	A	12		SINGLE
323+34	LT	BIKE LANE	R3-17	A	12		SINGLE
324+91	RT	BIKE LANE	R3-17	A	12		SINGLE
336+44	LT	BIKE LANE	R3-17	A	12		SINGLE
337+78	RT	BIKE LANE	R3-17	A	12		SINGLE
350+65	LT	BIKE LANE	R3-17	A	12		SINGLE
352+90	RT	BIKE LANE	R3-17	A	12		SINGLE
362+97	RT	BIKE LANE	R3-17	A	12		ASSEMBLY
362+97	RT	ENDS	R3-17bP	C			ASSEMBLY
365+84	LT	BIKE LANE	R3-17	A	12		ASSEMBLY
365+84	LT	AHEAD	R3-17aP	B			ASSEMBLY



USER NAME = WTeng
 DESIGNED - WJT
 DRAWN - WJT
 PLOT SCALE = 50.0000' / in.
 CHECKED - JIP
 PLOT DATE = 5/11/2015
 DATE - 05-11-2015

DESIGNED - WJT
 DRAWN - WJT
 CHECKED - JIP
 DATE - 05-11-2015

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
 SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	18
CONTRACT NO. 60C48				
ILLINOIS FED. AID PROJECT				

STA	SHERIDAN ROAD EARTH EXCAVATION			
	CUT (SF)	AVERAGE	LENGTH	TOTAL (CY)
78+42.	0.00			
		3.29	42	5.12
78+00.	6.58			
		8.14	100	30.15
77+00.	9.70			
		6.02	100	22.30
76+00.	2.34			
		3.07	100	11.35
75+00.	3.79			
		4.04	100	14.96
74+00.	4.29			
		6.82	100	25.24
73+00.	9.34			
		6.55	100	24.24
72+00.	3.75			
		2.60	34	3.27
71+66.	1.45			
		2.61	66	6.37
71+00.	3.76			
		9.23	100	34.17
70+00.	14.69			
		10.91	100	40.41
69+00.	7.13			
		10.72	100	39.70
68+00.	14.31			
		9.49	100	35.13
67+00.	4.66			
		3.72	100	13.76
66+00.	2.77			
		4.55	100	16.85
65+00.	6.33			
		8.38	100	31.04
64+00.	10.43			
		5.64	20	4.17
63+80.	0.84			
		1.43	80	4.22
63+00.	2.01			
		1.01	100	3.72
62+00.	0.00			
		0	0	0
			TOTAL	366.17

STA	SHERIDAN ROAD EARTH EXCAVATION			
	FILL (SF)	AVERAGE	LENGTH	TOTAL (CY)
78+42.	0.00			
		0.00	42	0.00
78+00.	0.00			
		0.00	100	0.00
77+00.	0.00			
		0.84	100	3.11
76+00.	1.68			
		0.84	100	3.11
75+00.	0.00			
		0.00	100	0.00
74+00.	0.00			
		0.00	100	0.00
73+00.	0.00			
		0.00	100	0.00
72+00.	0.00			
		0.00	100	0.00
71+66.	0.00			
		0.00	34	0.00
71+00.	0.00			
		0.00	66	0.00
70+00.	0.00			
		0.00	100	0.00
69+00.	0.00			
		0.00	100	0.00
68+00.	0.00			
		0.00	100	0.00
67+00.	0.00			
		0.01	100	0.02
66+00.	0.01			
		0.01	100	0.02
65+00.	0.00			
		0.00	100	0.00
64+00.	0.00			
		0.12	20	0.09
63+80.	0.24			
		0.12	80	0.36
63+00.	0.00			
		0.00	100	0.00
62+00.	0.00			
		0	0	0
			TOTAL	6.70

STA	SHERIDAN ROAD EARTH EXCAVATION			
	UNSUITABLE (SF)	AVERAGE	LENGTH	TOTAL (CY)
78+42.	0.00			
		2.98	42	4.64
78+00.	5.96			
		6.51	100	24.11
77+00.	7.06			
		5.92	100	21.91
76+00.	4.77			
		5.54	100	20.52
75+00.	6.31			
		6.67	100	24.70
74+00.	7.03			
		7.66	100	28.35
73+00.	8.28			
		10.86	100	40.20
72+00.	13.43			
		7.81	34	9.83
71+66.	2.18			
		4.14	66	10.12
71+00.	6.10			
		7.25	100	26.85
70+00.	8.40			
		7.90	100	29.26
69+00.	7.40			
		7.91	100	29.28
68+00.	8.41			
		7.05	100	26.09
67+00.	5.68			
		5.27	100	19.52
66+00.	4.86			
		5.48	100	20.30
65+00.	6.10			
		6.12	100	22.65
64+00.	6.13			
		4.02	20	2.98
63+80.	1.91			
		3.03	80	8.98
63+00.	4.15			
		2.08	100	7.69
62+00.	0.00			
		0	0	0
			TOTAL	377.97

STA	OVERFLOW CHANNEL EARTH EXCAVATION			
	CUT (SF)	AVERAGE	LENGTH	TOTAL (CY)
10+00.	36.04			
		53.06	20	39.30
10+20.	70.07			
		53.87	20	39.90
10+40.	37.67			
		34.06	20	25.23
10+60.	30.45			
		27.50	20	20.37
10+80.	24.54			
		21.91	20	16.23
11+00.	19.27			
		12.49	17.71	8.19
11+17.71	5.71			
		2.86	0	0.00
			TOTAL	149.22

STA	OVERFLOW CHANNEL EARTH EXCAVATION			
	FILL (SF)	AVERAGE	LENGTH	TOTAL (CY)
10+00.	0.00			
		0.00	20	0.00
10+20.	0.00			
		0.00	20	0.00
10+40.	0.00			
		0.00	20	0.00
10+60.	0.00			
		0.00	20	0.00
10+80.	0.00			
		0.00	20	0.00
11+00.	0.00			
		1.59	17.71	1.04
11+17.71	3.18			
		1.59	0	0.00
			TOTAL	1.04

STA	OVERFLOW CHANNEL EARTH EXCAVATION			
	UNSUITABLE (SF)	AVERAGE	LENGTH	TOTAL (CY)
10+00.	10.22			
		10.90	20	8.07
10+20.	11.58			
		9.34	20	6.91
10+40.	7.09			
		6.59	20	4.88
10+60.	6.09			
		5.61	20	4.16
10+80.	5.14			
		4.67	20	3.46
11+00.	4.21			
		4.94	17.71	3.24
11+17.71	5.67			
		2.84	0	0.00
			TOTAL	30.73

EARTHWORK SUMMARY TABLE				
EARTH EXCAVATION (CU YD)	ADJ 15% (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	UNSUITABLE (CU YD)
366	311	7	-305	378
149	127	1	-126	31
0	0	280	280	0

TOTAL (CY)

EARTH EXCAVATION: 515
 UNSUITABLE MATERIAL: 409
 FURNISHED EXCAVATION: 0

SHERIDAN RD
 OVERFLOW CHANNEL
 STA 352+65 TO 358+97



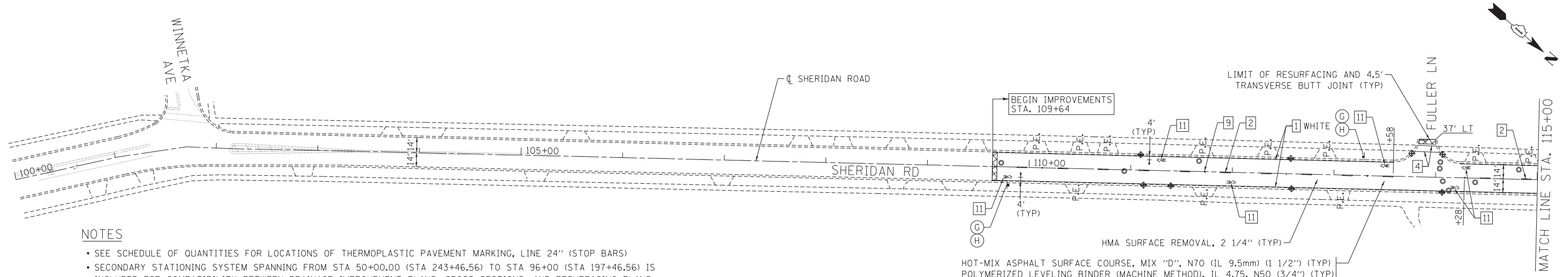
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	DATE - 05-11-2015	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
 SCHEDULE OF QUANTITIES**

SCALE: N.T.S. SHEET NO. 3 OF 3 SHEETS STA. N/A TO STA. N/A

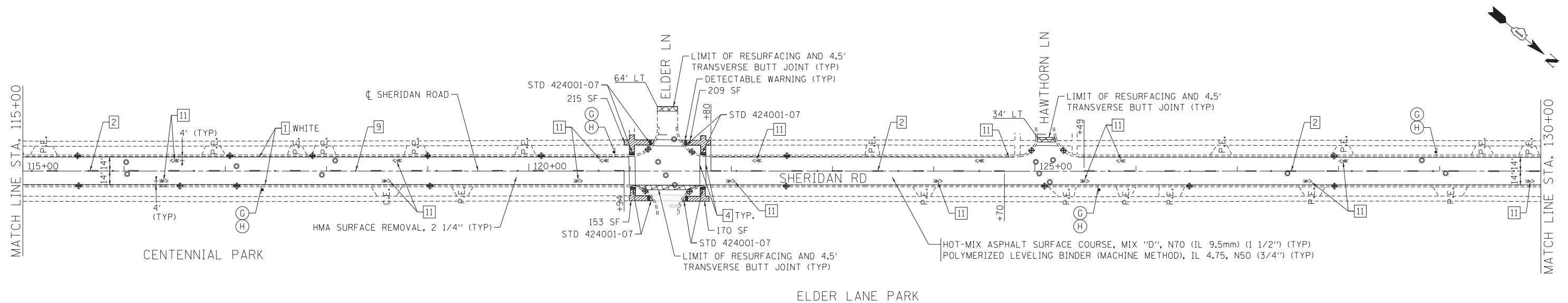
F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	19
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				



NOTES

- SEE SCHEDULE OF QUANTITIES FOR LOCATIONS OF THERMOPLASTIC PAVEMENT MARKING, LINE 24" (STOP BARS)
- SECONDARY STATIONING SYSTEM SPANNING FROM STA 50+00.00 (STA 243+46.56) TO STA 96+00 (STA 197+46.56) IS INCLUDED FOR COMPATIBILITY BETWEEN DRAINAGE IMPROVEMENT PLANS, CROSS SECTIONS, AND RESURFACING PLANS. STA 109+64 TO STA 363+64 SHALL BE USED FOR RESURFACING AND EROSION CONTROL PLANS.
- LOCATIONS OF CLASS D PAVEMENT PATCHING SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. 8-INCH PATCHING SHALL BE PERFORMED IN LOCATIONS FROM WINNETKA AVE TO TOWER RD, AND 9-INCH PATCHING SHALL BE PERFORMED IN LOCATIONS FROM TOWER RD TO LAKE COOK RD.
- LOCATIONS OF COMBINATION CURB AND GUTTER REMOVAL AND COMBINATION CURB AND GUTTER TYPE B-6.12/M-4.12/M-6.12 SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD UNLESS INDICATED IN THE PLANS.
- CURB AND GUTTER SHALL BE REPLACED IN KIND UNLESS INDICATED IN THE PLANS.
- ASPHALT DRIVEWAY APRONS ADJACENT TO COMBINATION CURB AND GUTTER REMOVAL SHALL BE SAW CUT AND REMOVED 24 INCHES FROM THE BACK OF THE CURB AND GUTTER LINE. CONCRETE DRIVEWAY APRONS ADJACENT TO COMBINATION CURB AND GUTTER REMOVAL SHALL BE REMOVED TO THE EXTENT OF THE NEAREST JOINT OR PANEL AS DETERMINED BY THE ENGINEER IN THE FIELD.
- DRIVEWAY APRONS SHALL BE REPLACED IN KIND.
- INLET FILTERS SHALL BE PLACED IN ALL OPEN GRATE STRUCTURES WITHIN THE PAVEMENT AND CURB.
- ALL FRAMES AND LIDS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED ACCORDING TO THE SCHEDULE OF QUANTITIES, PLANS, OR AS DIRECTED BY THE ENGINEER.

HMA SURFACE REMOVAL, 2 1/4" (TYP)
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm) (1 1/2") (TYP)
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 (3/4") (TYP)



LEGEND

- (A) BIKE LANE R3-17 24 in X 18 in
- (B) AHEAD R3-17aP, ENDS R3-17bP 24 in X 8 in
- (C) M6-1L 12 in X 9 in
- (D) D1-1c 36 in X 6 in
- (E) Old Green Bay Rd. 0.4
- (F) Old Green Bay Rd. 0.2
- (G) W11-1 24 in X 24 in
- (H) W16-1P 18 in X 24 in

- 1 THERMOPLASTIC PVMT MARKING - LINE 4" SOLID LINE
- 2 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW, 10' DASH, 30' SKIP
- 3 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE
- 4 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE
- 5 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE, 2' DASH, 6' SKIP
- 6 THERMOPLASTIC PVMT MARKING - LINE 8" WHITE
- 7 THERMOPLASTIC PVMT MARKING - LINE 12"
- 8 THERMOPLASTIC PVMT MARKING - LETTERS & SYMBOLS
- 9 RAISED REFLECTIVE PVMT MARKER
- 10 BICYCLE LANE MARKING
- 11 SHARED LANE MARKING

- DETECTABLE WARNING
- HMA SURFACE REMOVAL, BUTT JOINT
- TEMPORARY INLET FILTER AND PIPE PROTECTION
- SIDEWALK REMOVAL PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 2"



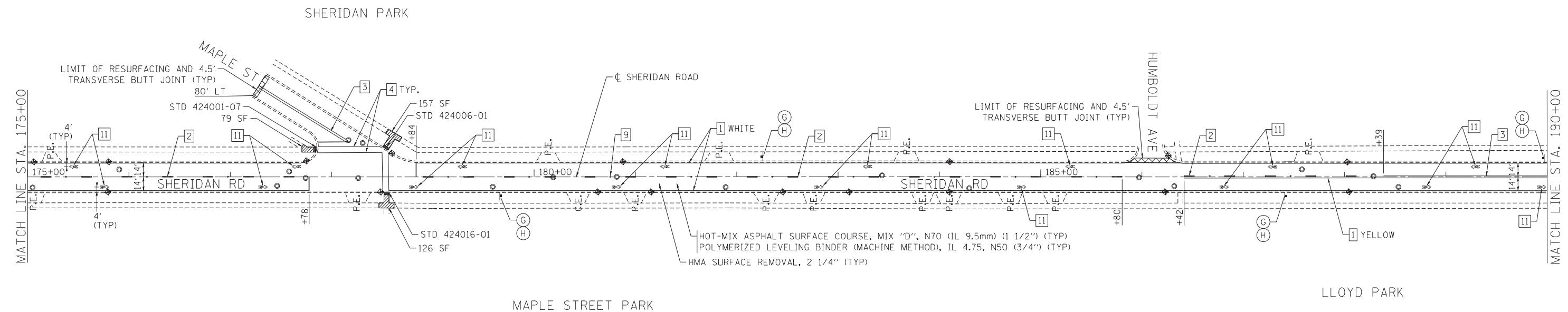
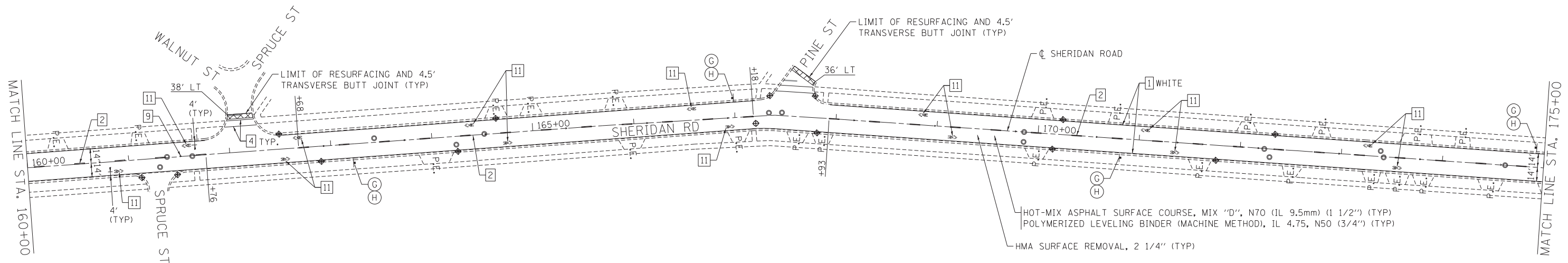
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET NO. 1 OF 9 SHEETS STA. 101+06 TO STA. 130+00

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	20
CONTRACT NO. 60G48			ILLINOIS FED. AID PROJECT	

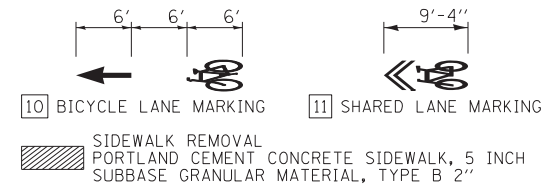


LEGEND

- (A) R3-17
24 in X 18 in
- (B) R3-17aP, R3-17bP
24 in X 8 in
- (C) R3-17bP
24 in X 8 in
- (D) M6-1L
12 in X 9 in
- (E) D1-1c
36 in X 6 in
- (F) Old Green Bay Rd 0.2
36 in X 6 in
- (G) W11-1
24 in X 24 in
- (H) W16-1P
18 in X 24 in

- 1 THERMOPLASTIC PVMT MARKING - LINE 4" SOLID LINE
- 2 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW, 10' DASH, 30' SKIP
- 3 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE
- 4 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE
- 5 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE, 2' DASH, 6' SKIP
- 6 THERMOPLASTIC PVMT MARKING - LINE 8" WHITE
- 7 THERMOPLASTIC PVMT MARKING - LINE 12"
- 8 THERMOPLASTIC PVMT MARKING - LETTERS & SYMBOLS
- 9 RAISED REFLECTIVE PVMT MARKER
- 10 BICYCLE LANE MARKING
- 11 SHARED LANE MARKING

- DETECTABLE WARNING
- HMA SURFACE REMOVAL, BUTT JOINT
- TEMPORARY INLET FILTER AND PIPE PROTECTION



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USER NAME = WTeng	DESIGNED - WJT	REVISED -
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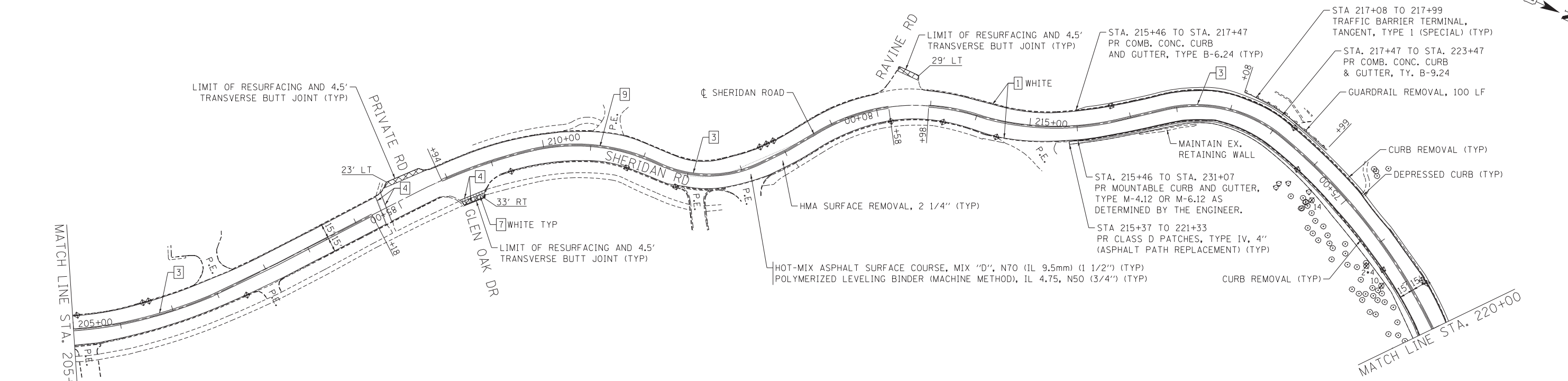
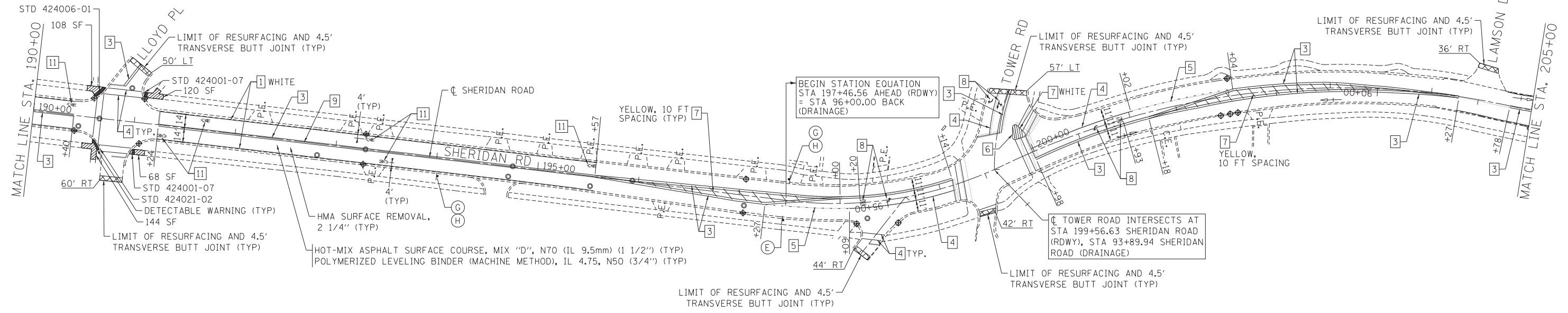
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET NO. 3 OF 9 SHEETS STA. 160+00 TO STA. 190+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	22
CONTRACT NO. 60G48				

ILLINOIS FED. AID PROJECT



LEGEND

- (A) R3-17
BIKE LANE
24 in X 18 in
- (B) AHEAD
R3-17aP,
24 in X 8 in
- (C) ENDS
R3-17bP
24 in X 8 in
- (D) M6-1L
12 in X 9 in
- (E) Old Green Bay Rd 0.4
D1-1c
36 in X 6 in
- (F) Old Green Bay Rd 0.2
D1-1c
36 in X 6 in
- (G) W11-1
24 in X 24 in
- (H) W16-1P
18 in X 24 in

- 1 THERMOPLASTIC PVMT MARKING - LINE 4" SOLID LINE
- 2 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW, 10' DASH, 30' SKIP
- 3 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE
- 4 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE
- 5 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE, 2' DASH, 6' SKIP
- 6 THERMOPLASTIC PVMT MARKING - LINE 8" WHITE
- 7 THERMOPLASTIC PVMT MARKING - LINE 12"
- 8 THERMOPLASTIC PVMT MARKING - LETTERS & SYMBOLS
- 9 RAISED REFLECTIVE PVMT MARKER X TREE REMOVAL (UNIT)
- 10 BICYCLE LANE MARKING
- 11 SHARED LANE MARKING

- DETECTABLE WARNING
- HMA SURFACE REMOVAL, BUTT JOINT
- TEMPORARY INLET FILTER AND PIPE PROTECTION
- SIDEWALK REMOVAL PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 2"



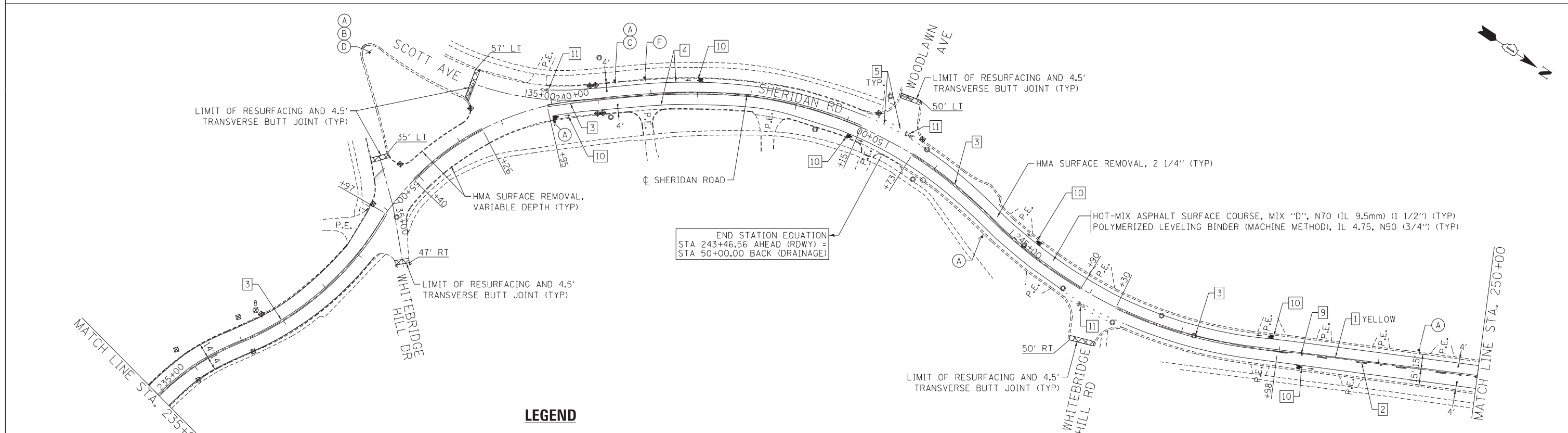
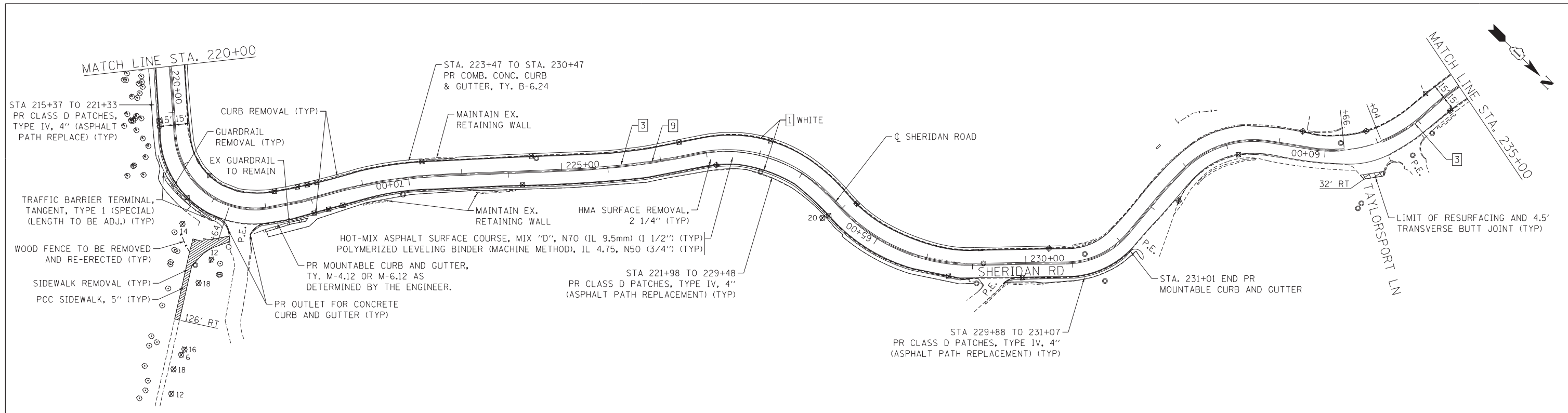
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PLOT DATE = 5/11/2015	DATE - 05-11-2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET NO. 4 OF 9 SHEETS STA. 190+00 TO STA. 220+00

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	23
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				

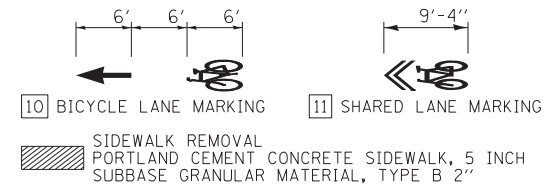


LEGEND

- (A) R3-17
BIKE LANE
24 in X 18 in
- (B) AHEAD
R3-17aP,
24 in X 8 in
- (C) ENDS
R3-17bP
24 in X 8 in
- (D) M6-1L
12 in X 9 in
- (E) Old Green Bay Rd 0.4
D1-1c
36 in X 6 in
- (F) Old Green Bay Rd 0.2
D1-1c
36 in X 6 in
- (G) W11-1
24 in X 24 in
- (H) W16-1P
18 in X 24 in

- 1 THERMOPLASTIC PVMT MARKING - LINE 4" SOLID LINE
- 2 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW, 10' DASH, 30' SKIP
- 3 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE
- 4 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE
- 5 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE, 2' DASH, 6' SKIP
- 6 THERMOPLASTIC PVMT MARKING - LINE 8" WHITE
- 7 THERMOPLASTIC PVMT MARKING - LINE 12"
- 8 THERMOPLASTIC PVMT MARKING - LETTERS & SYMBOLS
- 9 RAISED REFLECTIVE PVMT MARKER X TREE REMOVAL (UNIT)
- 10 BICYCLE LANE MARKING
- 11 SHARED LANE MARKING

- DETECTABLE WARNING
- TEMPORARY INLET FILTER AND PIPE PROTECTION



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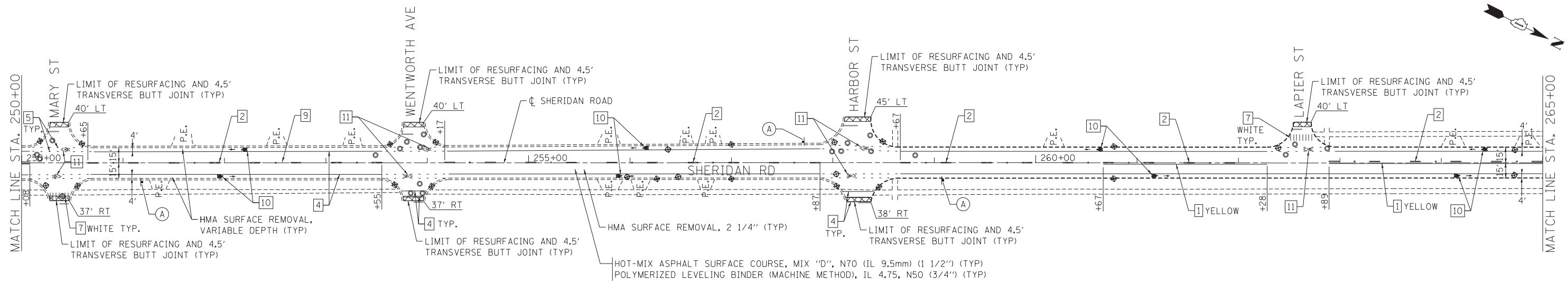
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
ROADWAY AND PAVEMENT MARKING PLANS**

F.A.U. RTE. 3509	SECTION (112 & 112X) R5-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 24
CONTRACT NO. 60C48				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET NO. 5 OF 9 SHEETS STA. 220+00 TO STA. 250+00

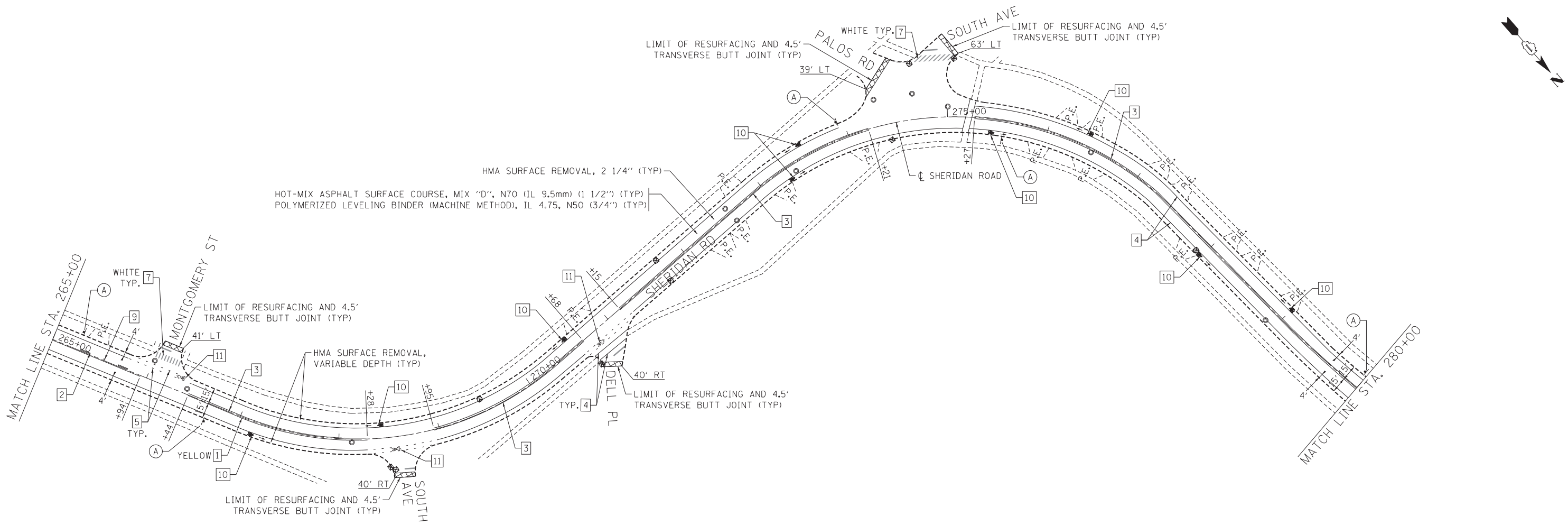


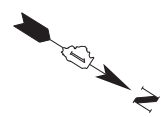
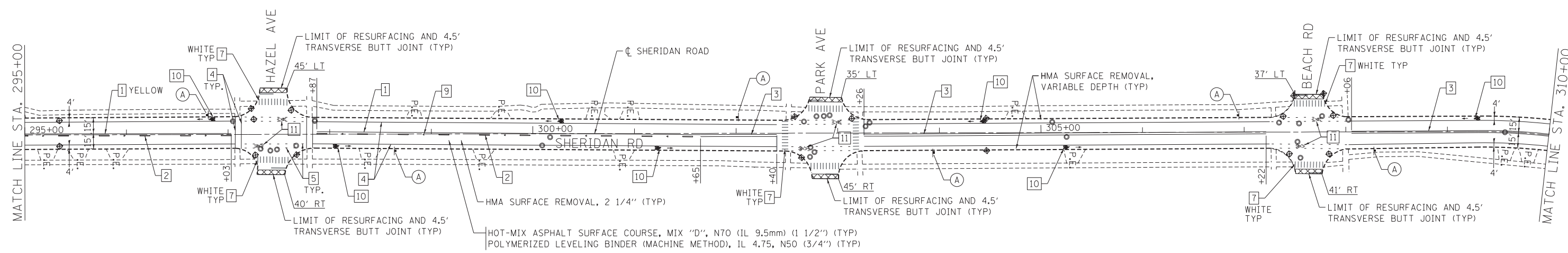
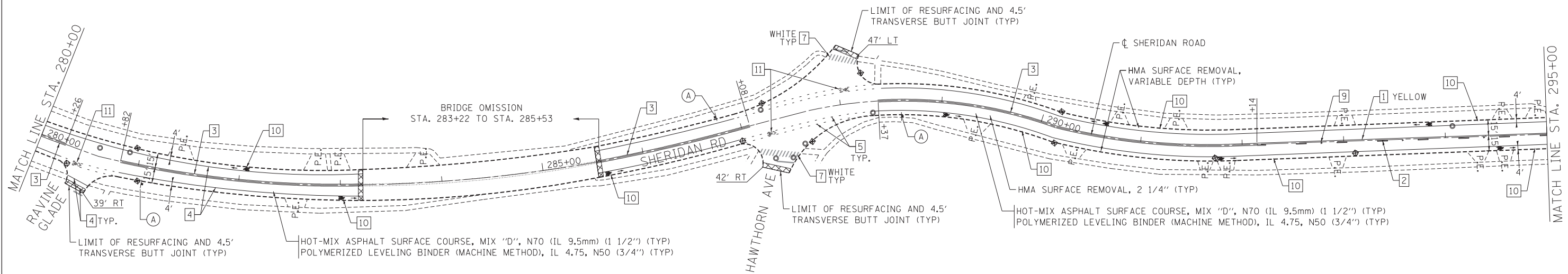
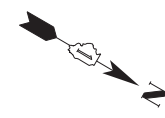
LEGEND

- (A) R3-17
24 in X 18 in
- (B) R3-17aP, R3-17bP
24 in X 8 in
- (C) M6-1L
12 in X 9 in
- (D) D1-1c
36 in X 6 in
- (E) W11-1
24 in X 24 in
- (F) W16-1P
18 in X 24 in
- (G) SHARE THE ROAD

- 1 THERMOPLASTIC PVMT MARKING - LINE 4" SOLID LINE
- 2 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW SKIP DASH
- 3 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE
- 4 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE
- 5 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE 2' DASH, 6' SKIP
- 6 THERMOPLASTIC PVMT MARKING - LINE 8" WHITE
- 7 THERMOPLASTIC PVMT MARKING - LINE 12"
- 8 THERMOPLASTIC PVMT MARKING - LETTERS & SYMBOLS

- 9 RAISED REFLECTIVE PVMT MARKER
- X TREE REMOVAL (UNIT)
- DETECTABLE WARNING
- HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT, TEMPORARY RAMP
- TEMPORARY INLET FILTER AND PIPE PROTECTION
- BICYCLE LANE MARKING
- SHARED LANE MARKING
- SIDEWALK REMOVAL PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 2"





LEGEND

- (A) R3-17 24 in X 18 in
- (B) R3-17aP, 24 in X 8 in
- (C) R3-17bP, 24 in X 8 in
- (D) M6-1L 12 in X 9 in
- (E) Old Green Bay Rd 0.4
- (F) Old Green Bay Rd 0.2
- (G) W11-1 24 in X 24 in
- (H) W16-1P 18 in X 24 in

- 1 THERMOPLASTIC PVMT MARKING - LINE 4" SOLID LINE
- 2 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW, 10' DASH, 30' SKIP
- 3 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE
- 4 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE
- 5 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE, 2' DASH, 6' SKIP
- 6 THERMOPLASTIC PVMT MARKING - LINE 8" WHITE
- 7 THERMOPLASTIC PVMT MARKING - LINE 12"
- 8 THERMOPLASTIC PVMT MARKING - LETTERS & SYMBOLS

- 9 RAISED REFLECTIVE PVMT MARKER
- DETECTABLE WARNING
- HMA SURFACE REMOVAL, BUTT JOINT
- TEMPORARY INLET FILTER AND PIPE PROTECTION
- BICYCLE LANE MARKING
- SHARED LANE MARKING
- SIDEWALK REMOVAL PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 2"

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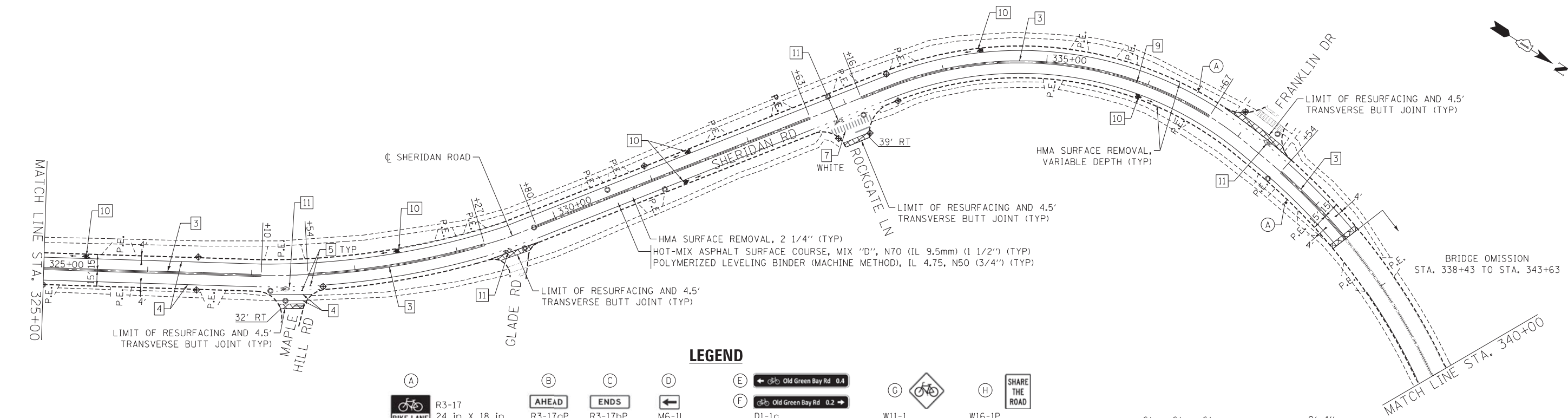
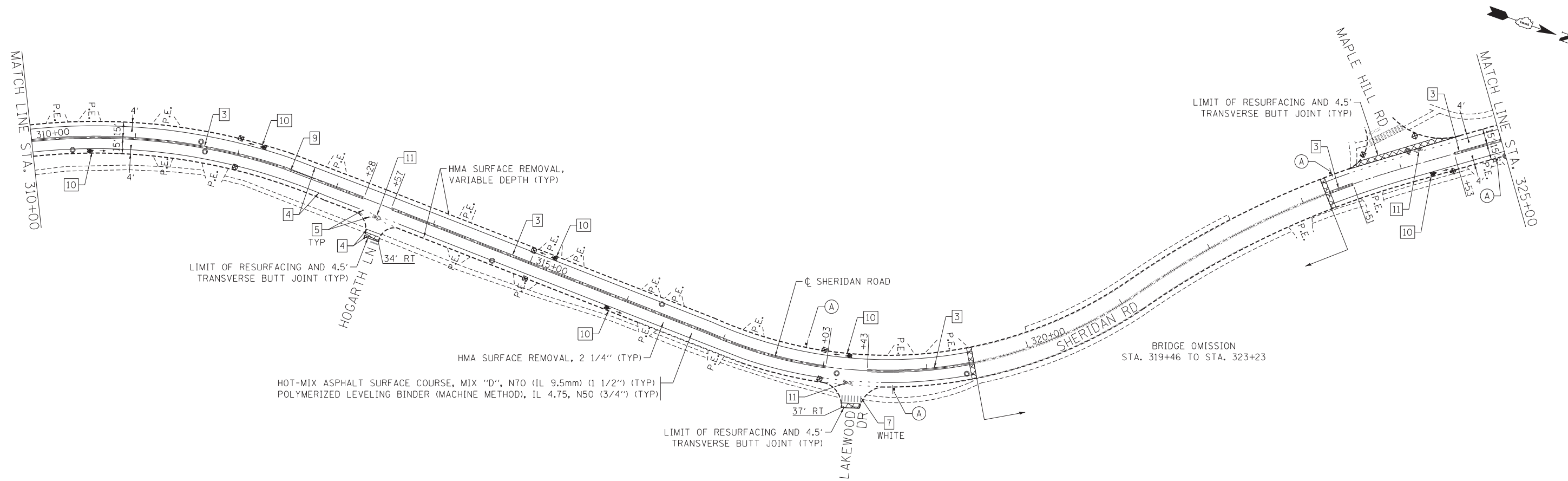
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET NO. 7 OF 9 SHEETS STA. 280+00 TO STA. 310+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	26
CONTRACT NO. 60C48			ILLINOIS FED. AID PROJECT	



LEGEND

- | | | |
|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------|
| 1 THERMOPLASTIC PVMT MARKING - LINE 4" SOLID LINE | 5 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE, 2' DASH, 6' SKIP | 9 RAISED REFLECTIVE PVMT MARKER |
| 2 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW, 10' DASH, 30' SKIP | 6 THERMOPLASTIC PVMT MARKING - LINE 8" WHITE | DETECTABLE WARNING |
| 3 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE | 7 THERMOPLASTIC PVMT MARKING - LINE 12" | HMA SURFACE REMOVAL, BUTT JOINT |
| 4 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE | 8 THERMOPLASTIC PVMT MARKING - LETTERS & SYMBOLS | TEMPORARY INLET FILTER AND PIPE PROTECTION |
| (A) BIKE LANE | (B) AHEAD | (C) ENDS |
| (D) M6-1L | (E) D1-1c | (F) W11-1 |
| (G) W16-1P | (H) SHARE THE ROAD | (I) BICYCLE LANE MARKING |
| (J) SHARED LANE MARKING | | |

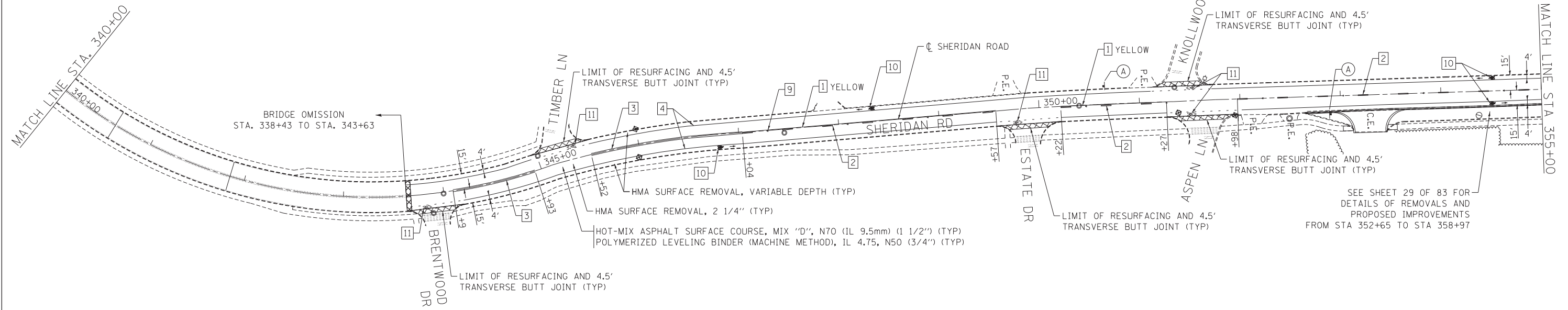
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USER NAME = WTeng	DESIGNED - WJT	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - WJT	REVISED -
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	DATE - 05-11-2015	REVISED -

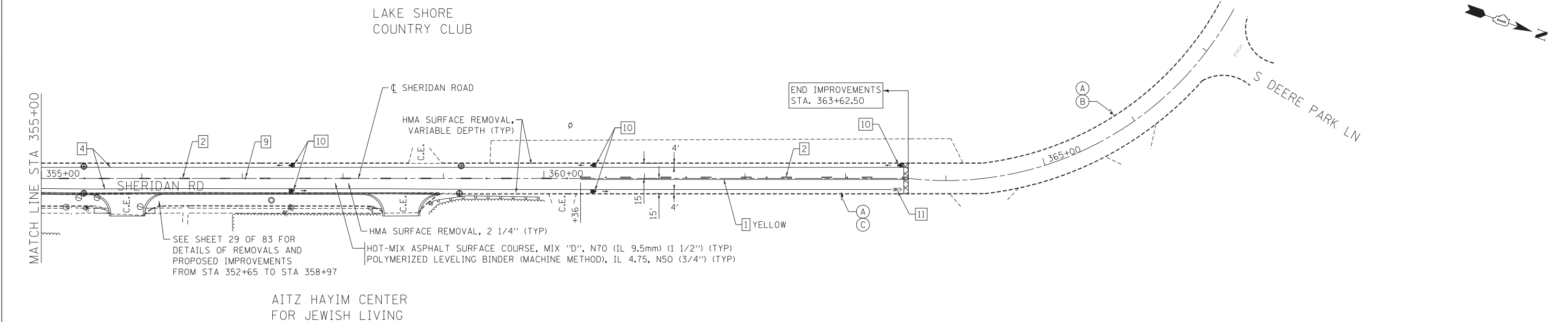
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
ROADWAY AND PAVEMENT MARKING PLANS**

F.A.U. RTE. 3509	SECTION (112 & 112X) R5-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 27
SCALE: 1"=50'				CONTRACT NO. 60G48
SHEET NO. 8 OF 9 SHEETS STA. 310+00 TO STA. 340+00				ILLINOIS FED. AID PROJECT



SEE SHEET 29 OF 83 FOR
DETAILS OF REMOVALS AND
PROPOSED IMPROVEMENTS
FROM STA 352+65 TO STA 358+97



SEE SHEET 29 OF 83 FOR
DETAILS OF REMOVALS AND
PROPOSED IMPROVEMENTS
FROM STA 352+65 TO STA 358+97

LEGEND

- (A) R3-17 BIKE LANE 24 in X 18 in
- (B) AHEAD R3-17aP, R3-17bP 24 in X 8 in
- (C) ENDS 24 in X 8 in
- (D) M6-1L 12 in X 9 in
- (E) Old Green Bay Rd 0.4 36 in X 6 in
- (F) Old Green Bay Rd 0.2 36 in X 6 in
- (G) W11-1 24 in X 24 in
- (H) SHARE THE ROAD W16-1P 18 in X 24 in
- 1 THERMOPLASTIC PVMT MARKING - LINE 4" SOLID LINE
- 2 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW, 10' DASH, 30' SKIP
- 3 THERMOPLASTIC PVMT MARKING - LINE 4" YELLOW DOUBLE CENTER LINE
- 4 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE
- 5 THERMOPLASTIC PVMT MARKING - LINE 6" WHITE, 2' DASH, 6' SKIP
- 6 THERMOPLASTIC PVMT MARKING - LINE 8" WHITE
- 7 THERMOPLASTIC PVMT MARKING - LINE 12"
- 8 THERMOPLASTIC PVMT MARKING - LETTERS & SYMBOLS
- 9 RAISED REFLECTIVE PVMT MARKER
- DETECTABLE WARNING
- HMA SURFACE REMOVAL, BUTT JOINT
- TEMPORARY INLET FILTER AND PIPE PROTECTION
- BICYCLE LANE MARKING
- SHARED LANE MARKING
- SIDEWALK REMOVAL PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 2"

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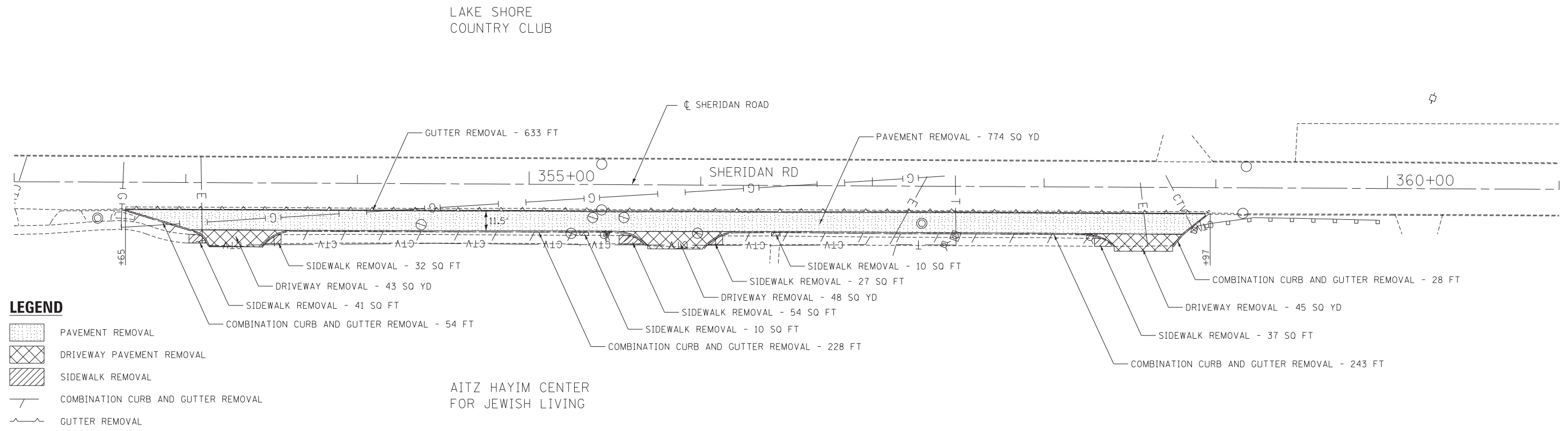
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
ROADWAY AND PAVEMENT MARKING PLANS**

SCALE: 1"=50' SHEET NO. 9 OF 9 SHEETS STA. 340+00 TO STA. 363+63

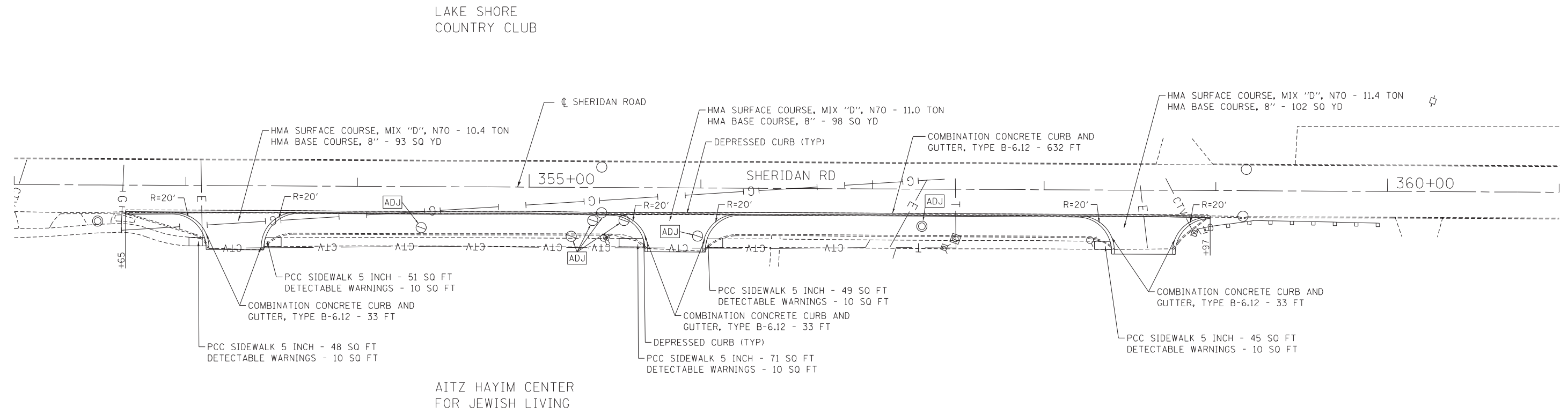
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	28
CONTRACT NO. 60G48			ILLINOIS FED. AID PROJECT	

REMOVAL PLAN



PROPOSED IMPROVEMENT PLAN

NOTE: ADA RAMP SHALL BE PROVIDED AT ALL PEDESTRIAN CROSSINGS SHOWN BELOW IN ACCORDANCE WITH STANDARD 424026-01.



USER NAME = WTeng	DESIGNED - WJT	REVISED -
PLOT SCALE = 30.0000' / in.	DRAWN - WJT	REVISED -
PLOT DATE = 5/11/2015	CHECKED - JIP	REVISED -
	DATE - 05-11-2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
REMOVAL AND PROPOSED IMPROVEMENTS**

SCALE: 1"=30' SHEET NO. 1 OF 1 SHEETS STA. 352+00 TO STA. 361+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	29
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				

SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES:

1. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION
2. TEMPORARY FENCE FOR TREE TRUNK PROTECTION SHOULD BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
3. EROSION CONTROL WORK ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE CONTRACTOR WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS.
4. SHERIDAN ROAD AND ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS. THESE STREETS SHALL BE INSPECTED DAILY AND CLEANED WHEN NECESSARY.
5. THE LANDSCAPING AND EROSION CONTROL MEASURES SHOWN ARE A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOB SITE INSPECTION BETWEEN THE CONTRACTOR AND THE RESIDENT ENGINEER.
6. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION, AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION
7. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
8. ALL EROSION CONTROL MEASURES MUST BE INSPECTED BY THE VILLAGE OF WINNETKA OR THE VILLAGE'S REPRESENTATIVE, AND THE INSPECTION REPORT MUST BE SIGNED BY THE CONTRACTOR EVERY SEVEN DAYS AND AFTER EACH 1/2" RAIN EVENT OR EQUIVALENT SNOWFALL.
9. HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL AND/OR STRAW MULCH WITH NETTING (DEPENDING ON SLOPE, SLOPE LENGTH, AND FLOW RATES) SHALL BE INSTALLED ON ALL SLOPES AND IN CRITICAL AREAS (I.E. PERIMETERS, BERMS, ETC.) IMMEDIATELY UPON FINAL GRADING.
10. PERMANENT OR TEMPORARY STABILIZATION SHALL BE INITIATED IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN ONE (1) DAY AFTER WORK HAS CEASED.
11. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
12. IF WINTER SHUTDOWN IS NECESSARY, IT SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.
13. IF DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATER BY SHALL BE FILTERED USING FILTER BAGS AND/OR AN ALTERNATIVE MEASURE. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO DRAIN INTO LAKE MICHIGAN.
14. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR CONTRACTOR TO INFORM ANY-SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS, ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
15. LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF THE GUTTERS OR DRAINAGE STRUCTURES SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY SO THAT THE NATURAL FLOW OF WATER IS NOT OBSTRUCTED.
16. INLETS EXPOSED TO TRAFFIC WITH INLET FILTER PROTECTION SHALL HAVE FILTER BASKETS WITH OVERFLOW TO ALLOW FOR THE POSITIVE DRAINAGE OF WATER OFF THE ROADWAY. THESE INLETS SHALL BE CLEANED WHEN NECESSARY.
17. 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).
18. THE CONTRACTOR SHOULD PROVIDE TO THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. 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.
19. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
20. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.

21. THIS PROJECT REQUIRES A U.S. 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 (INCLUDING WORK IN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK IN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK (WHICH INCLUDES WORK WITHIN WETLANDS). THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SOIL EROSION AND SEDIMENT CONTROL SPECIFICATIONS:

A. GENERAL

1. THIS SOIL EROSION AND SEDIMENT CONTROL PLAN IS THE MINIMUM TO INITIATE THE PROJECT. IT IS EXPECTED TO CHANGE AS THE PROJECT PROCEEDS. ALL COSTS ASSOCIATED WITH SOIL EROSION AND SEDIMENTATION CONTROL IS THE OWNER/DEVELOPERS RESPONSIBILITY, UNLESS OTHERWISE SPECIFIED IN THE SUPPLEMENTARY CONDITIONS.
2. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF ALL APPLICABLE PROVISIONS OF THE COUNTY CODE, THE ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL, IEPA STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL, IEPA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENTATION CONTROL, AND ANY LOCAL POLLUTION CONTROL ORDINANCES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT VEGETATION AND OR GROUND COVER HAS BEEN ESTABLISHED WITH COVERAGE AT LEAST TO 70 PERCENT.
4. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE. BEST MANAGEMENT PRACTICES SHALL BE PERFORMED AND REVISED AS THE PROJECT REQUIRES AT NO EXPENSE TO THE ENGINEER.













B. IMPLEMENTATION

1. BEFORE STARTING CLEARING AND SITE GRADING WORK, A STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCES SHALL BE INSTALLED AS SHOWN ON THE PLANS. IF DIRECTED BY THE DESIGNATED EROSION CONTROL INSPECTOR OR LOCAL ENFORCEMENT OFFICER AND/OR COUNTY ENGINEER, THE OWNER/DEVELOPER SHALL INSTALL ADDITIONAL SOIL AND EROSION CONTROL MEASURES AS NEEDED UTILIZING BEST MANAGEMENT PRACTICES.
2. THE STABILIZED CONSTRUCTION ENTRANCES SHALL BE MONITORED PERIODICALLY FOR ITS EFFECTIVENESS TO COLLECT DIRT WHICH COULD LEAVE THE SITE VIA CONSTRUCTION VEHICLES. ANY DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY.
3. INLET FILTER BASKETS SHALL BE INSTALLED AND MAINTAINED IN INTAKE STRUCTURES (I.E. INLETS AND CATCH BASINS.)
4. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 14 DAYS, SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED AROUND SUCH STOCKPILE. ANY PART OF THE STOCKPILE TO REMAIN UNTOUCHED FOR 14 DAYS MUST BE PROTECTED WITH TEMPORARY SOLID AND EROSION CONTROL MEASURES WITHIN 7 DAYS OF THE LAST DAY THE STOCKPILE WAS DISTURBED. TEMPORARY COVER SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.
5. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING, INCLUDING STORM WATER RUNOFF, SHALL BE FILTERED PRIOR TO DISCHARGING TO THE STORM WATER SYSTEM OR TO LAKE MICHIGAN.

C. MAINTENANCE AND INSPECTION

1. THE OWNER/DEVELOPER IS ULTIMATELY RESPONSIBLE UNLESS OTHERWISE SPECIFIED IN THE SUPPLEMENTARY CONDITIONS FOR THE INSTALLATION AND MAINTENANCE OF THE SOIL AND EROSION AND SEDIMENTATION CONTROL FOR THIS SITE. PRIOR TO ANY CONSTRUCTION ACTIVITY THE INITIAL SOIL EROSION AND SEDIMENTATION CONTROL MUST BE INSPECTED AND APPROVED BY THE REQUIRED AGENCY AND OR QUALIFIED PERSONNEL.
2. QUALIFIED PERSONNEL SHALL INSPECT THE DISTURBED AREAS OF THE CONTRASTING SITE THAT HAVE NOT BEEN PERMANENTLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCH OR GREATER OR EQUIVALENT SNOWFALL.
3. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF/OR 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 POINT ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN THE PLAN AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLAN SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE INSPECTION.
4. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S), AND QUALIFICATIONS OF PERSONNEL/ENGINEER MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, AND ACTIONS TAKEN SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF INSPECTION. THE PERMITTEE SHALL COMPLETE AND SUBMIT WITHIN 24 HOURS AN INCIDENCE OF NONCOMPLIANCE OBSERVED DURING AN INSPECTION CONDUCTED. SUBMISSION SHALL BE ON FORMS PROVIDED BY THE AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NON-COMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NON-COMPLIANCE, AN INCIDENCE OF NON-COMPLIANCE IS DEFINED AS ANY NOTICEABLE DISCHARGE OF ANY SEDIMENT LEAVING THE SITE.

SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION LEGEND:

-  AGGREGATE DITCH CHECK
 -  EROSION CONTROL BLANKET
 -  TEMPORARY EROSION CONTROL SEEDING
 -  FABRIC-LINED STRAW BALE DITCH*
 -  HEAVY DUTY EROSION CONTROL BLANKET
 -  TEMPORARY EROSION CONTROL SEEDING
 -  PERIMETER EROSION BARRIER
 -  RIPRAP CLASS A5
 -  SILT BAG*
 -  STABILIZED CONSTRUCTION ENTRANCE
 -  TEMPORARY FENCE
 -  TEMPORARY INLET FILTER AND PIPE PROTECTION
- *ITEMS TO BE INCLUDED IN THE COST OF DEWATERING.

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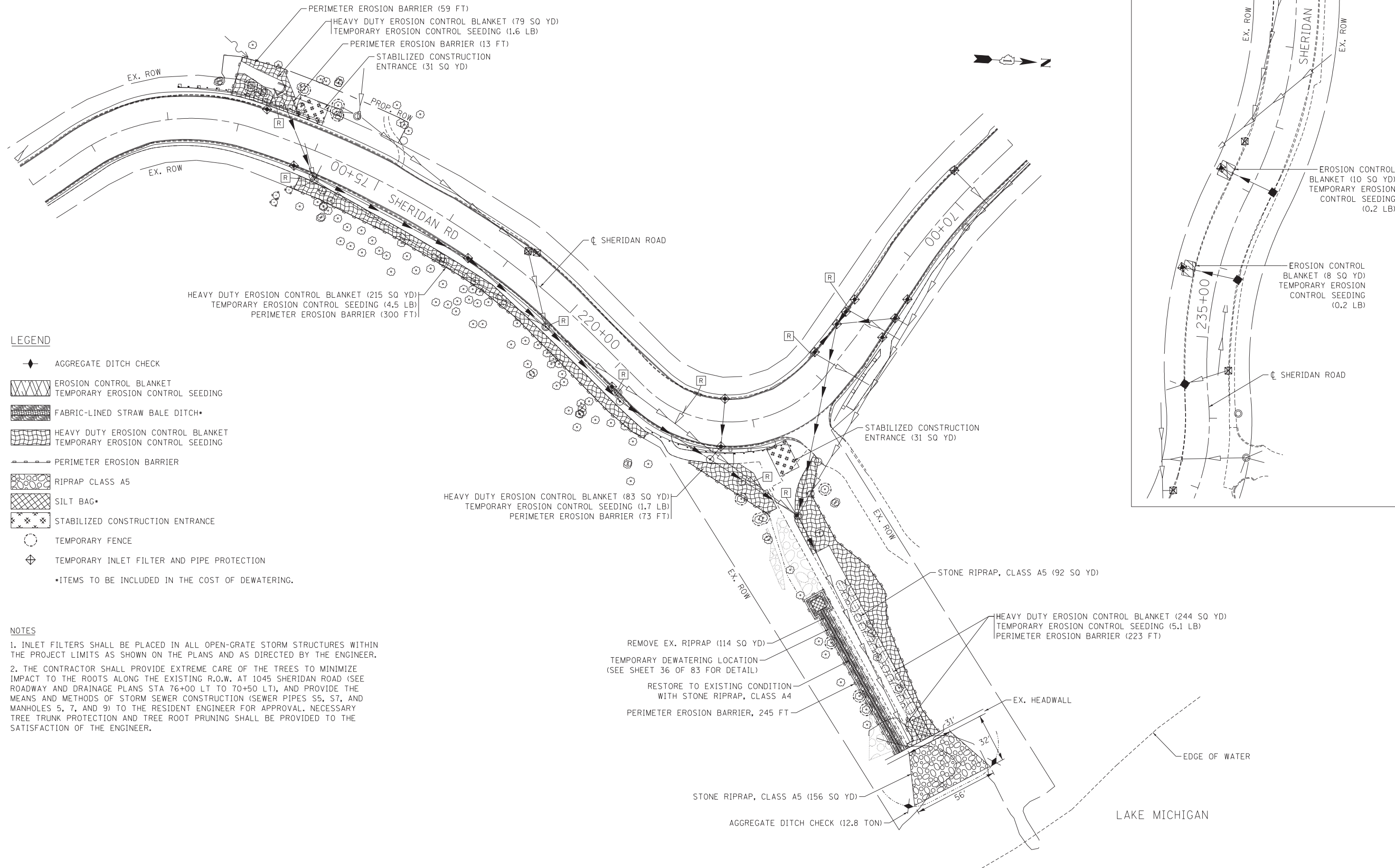
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
EROSION AND SEDIMENT CONTROL NOTES**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	30
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				

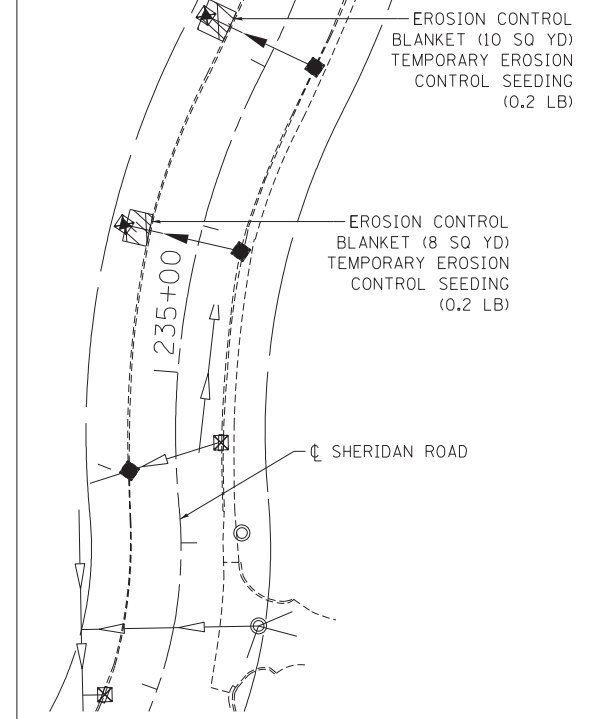


LEGEND

- ◆ AGGREGATE DITCH CHECK
- ▨ EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING
- ▩ FABRIC-LINED STRAW BALE DITCH*
- ▧ HEAVY DUTY EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING
- PERIMETER EROSION BARRIER
- ⊙ RIPRAP CLASS A5
- ▤ SILT BAG*
- ⊠ STABILIZED CONSTRUCTION ENTRANCE
- TEMPORARY FENCE
- ⊕ TEMPORARY INLET FILTER AND PIPE PROTECTION
- *ITEMS TO BE INCLUDED IN THE COST OF DEWATERING.

NOTES

1. INLET FILTERS SHALL BE PLACED IN ALL OPEN-GRADE STORM STRUCTURES WITHIN THE PROJECT LIMITS AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL PROVIDE EXTREME CARE OF THE TREES TO MINIMIZE IMPACT TO THE ROOTS ALONG THE EXISTING R.O.W. AT 1045 SHERIDAN ROAD (SEE ROADWAY AND DRAINAGE PLANS STA 76+00 LT TO 70+50 LT), AND PROVIDE THE MEANS AND METHODS OF STORM SEWER CONSTRUCTION (SEWER PIPES S5, S7, AND MANHOLES 5, 7, AND 9) TO THE RESIDENT ENGINEER FOR APPROVAL. NECESSARY TREE TRUNK PROTECTION AND TREE ROOT PRUNING SHALL BE PROVIDED TO THE SATISFACTION OF THE ENGINEER.



USER NAME = WTeng	DESIGNED - WJT	REVISED -
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	DATE - 05-11-2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

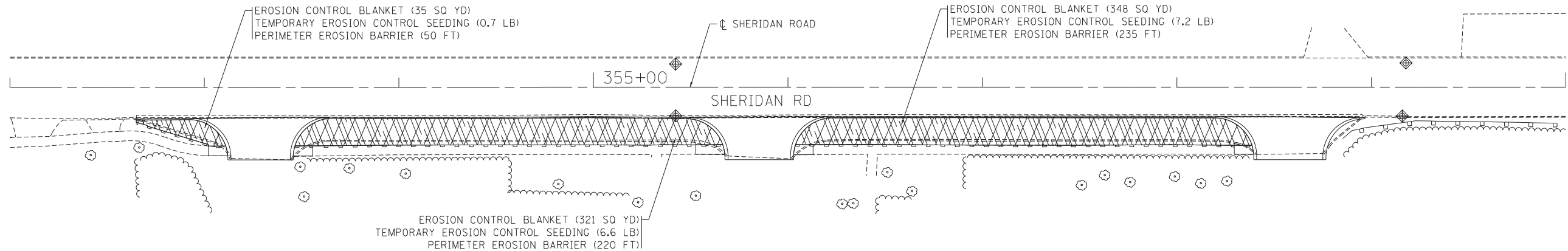
**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
EROSION AND SEDIMENT CONTROL**

SCALE: 1" = 30' SHEET NO. 1 OF 2 SHEETS STA. 216+00 TO STA. 225+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	31
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				



LAKE SHORE
COUNTRY CLUB



AITZ HAYIM CENTER
FOR JEWISH LIVING

LEGEND

- ◆ AGGREGATE DITCH CHECK
 - EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING
 - FABRIC-LINED STRAW BALE DITCH*
 - HEAVY DUTY EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING
 - PERIMETER EROSION BARRIER
 - RIPRAP CLASS A5
 - SILT BAG*
 - STABILIZED CONSTRUCTION ENTRANCE
 - TEMPORARY FENCE
 - ◆ TEMPORARY INLET FILTER AND PIPE PROTECTION
- *ITEMS TO BE INCLUDED IN THE COST OF DEWATERING.

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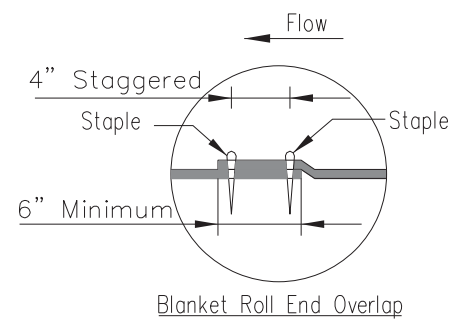
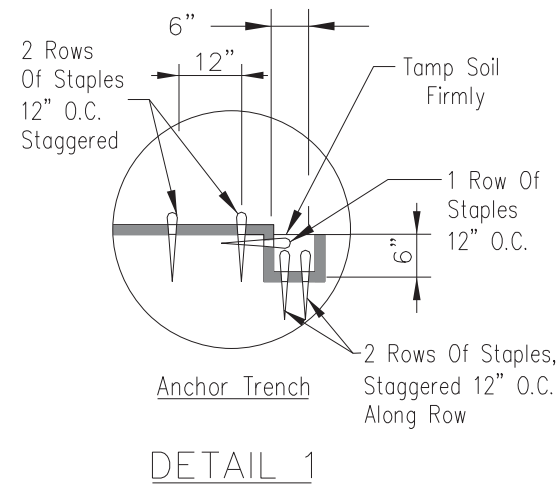
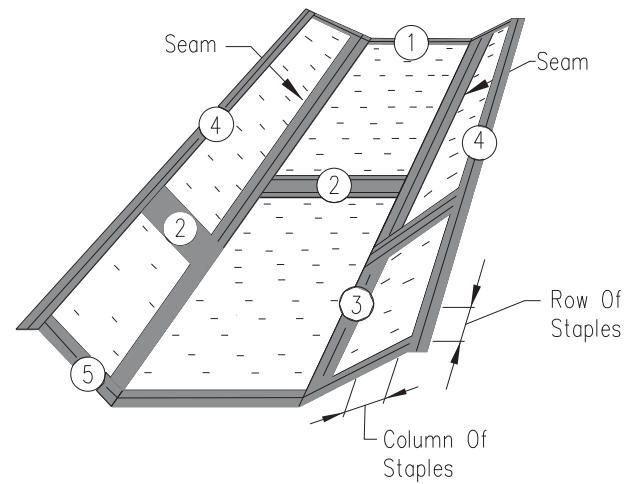
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

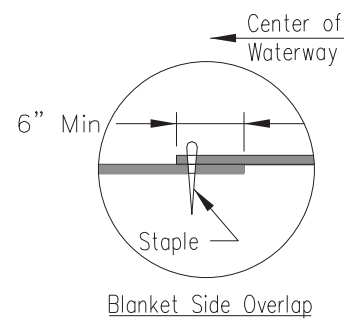
**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
EROSION AND SEDIMENT CONTROL**

SCALE: 1" = 30' SHEET NO. 2 OF 2 SHEETS STA. 352+00 TO STA. 360+00

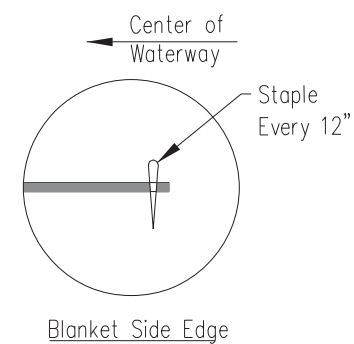
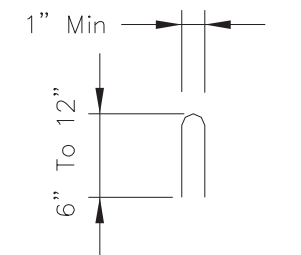
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	32
CONTRACT NO. 60G48			ILLINOIS FED. AID PROJECT	



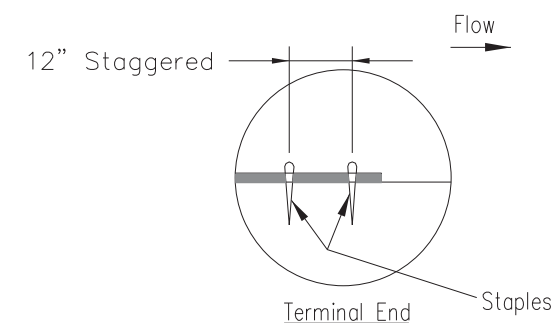
DETAIL 2



DETAIL 3



DETAIL 4



DETAIL 5

NOTES:

1. Install erosion control blanket (ECB) over waterway: Waterway Width N/A ft
 ECB width N/A ft
 length N/A ft
 Sta. N/A to N/A

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

EROSION BLANKET
INSTALLATION DETAILS



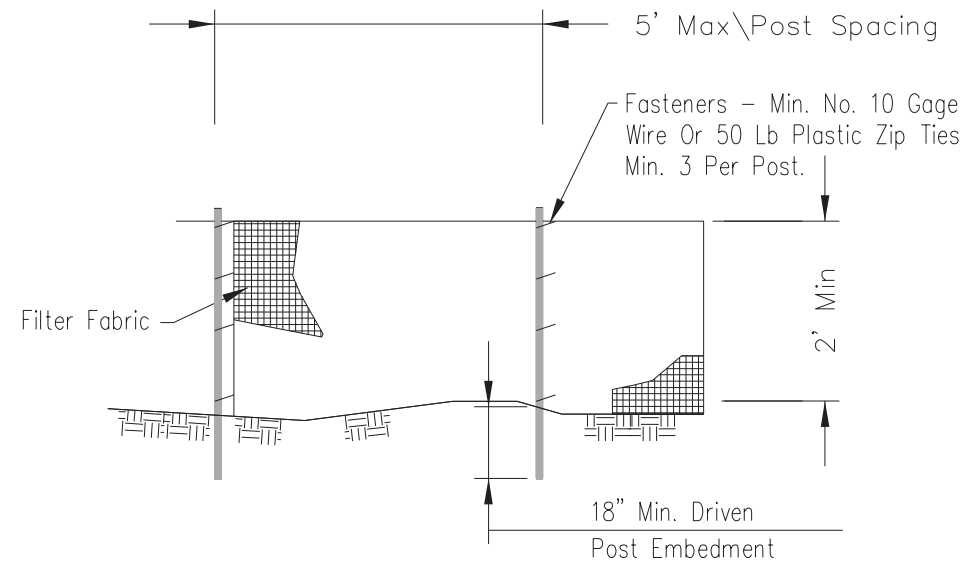
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IL ENG-61
Drawing No.
Page 1 of 1

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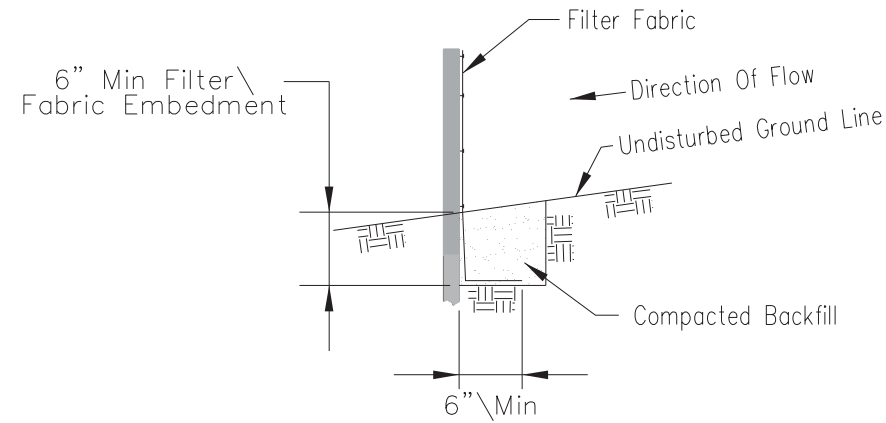
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PLOT SCALE = 50.0000' / in.	DRAWN - WJT	REVISED -
PLOT DATE = 5/11/2015	CHECKED - JIP	REVISED -
	DATE - 05-11-2015	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C48	

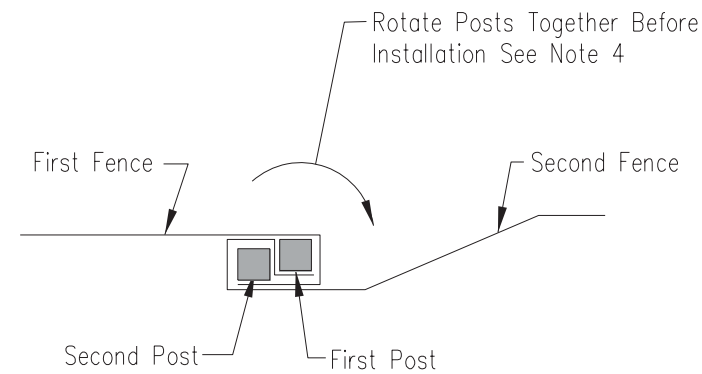
Date	1/13
Designed	M. QUINONES
Drawn	
Checked	
Approved	



ELEVATION



FABRIC ANCHOR DETAIL



SPLICE DETAIL-PLAN VIEW

NOTES:

1. Temporary silt fence shall be installed prior to any grading work in the area to be protected. Fence shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of Article 1080.03.
3. Fence posts shall be either wood post with a minimum cross-sectional area of 1.5" X 1.5" or a standard steel post.
4. When splices are necessary make splice at post according to splice detail. Place the end post of the second fence inside the end post of the first fence. Rotate both posts together at least 180 degrees to create a tight seal with the fabric material. Cut the fabric near the bottom of the posts to accommodate the 6 inch flap. Then drive both posts and bury the flap. Compact backfill well.

SILT FENCE



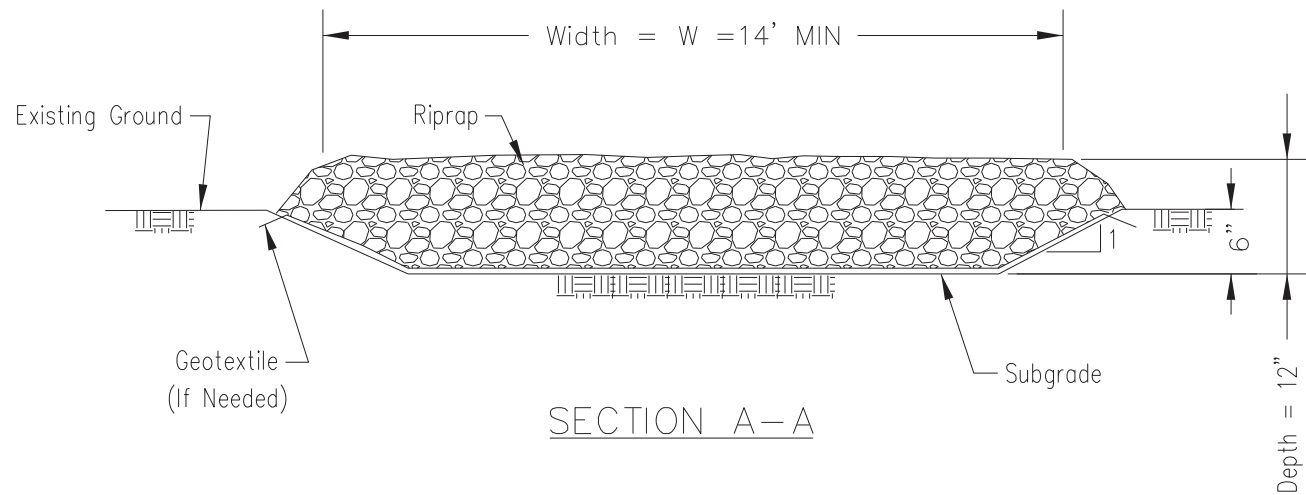
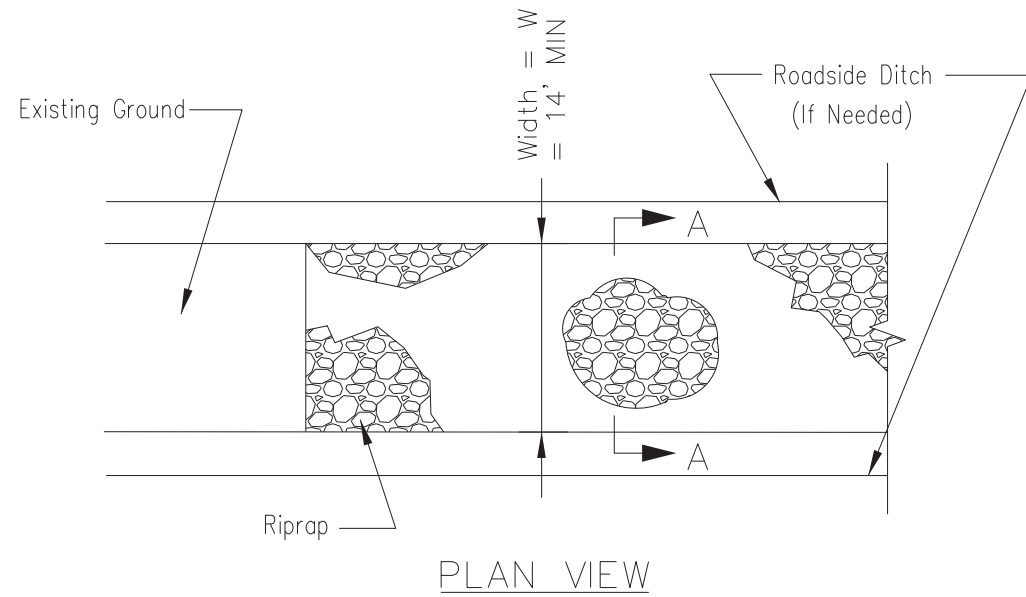
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 Drawing No.
 Page 1 of 1
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PLOT DATE = 5/11/2015	DATE - 05-11-2015	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	34
CONTRACT NO. 60C48			ILLINOIS FED. AID PROJECT	

Designed	M. QUINONES	Date	1/13
Drawn		Checked	
Checked		Approved	

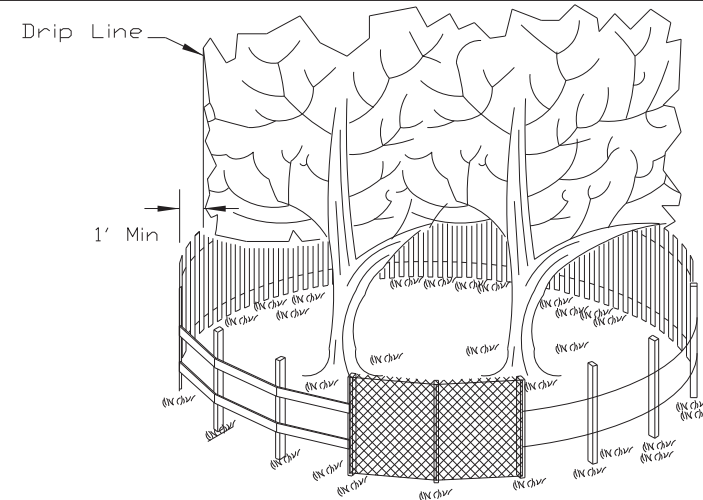
CONSTRUCTION ROAD STABILIZATION



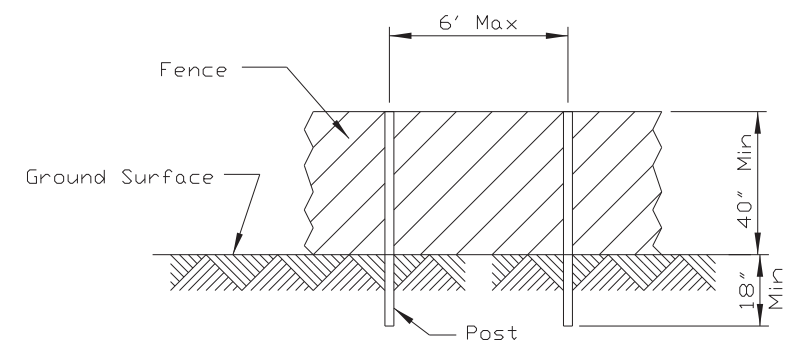
NOTES:

1. Rock shall meet the following IDOT coarse aggregate gradations: CA-3.
2. See plans for construction road location, D and W dimensions.
3. Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for trailer traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required.
4. Roadway shall follow the contour of the natural terrain to the extent possible.
5. Filter Fabric shall meet the requirements of specification 1080.03. Filter Fabric to be included in the cost of Stabilized Construction Entrance.
6. Any fabric splices shall overlap a minimum of 18" with upstream or upslope overlapping abutting fabric.

TREE PROTECTION - FENCING



SIDE VIEW



POST AND FENCE DETAIL

NOTES:

1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
2. Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 3.0 sq. in.
3. The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.

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

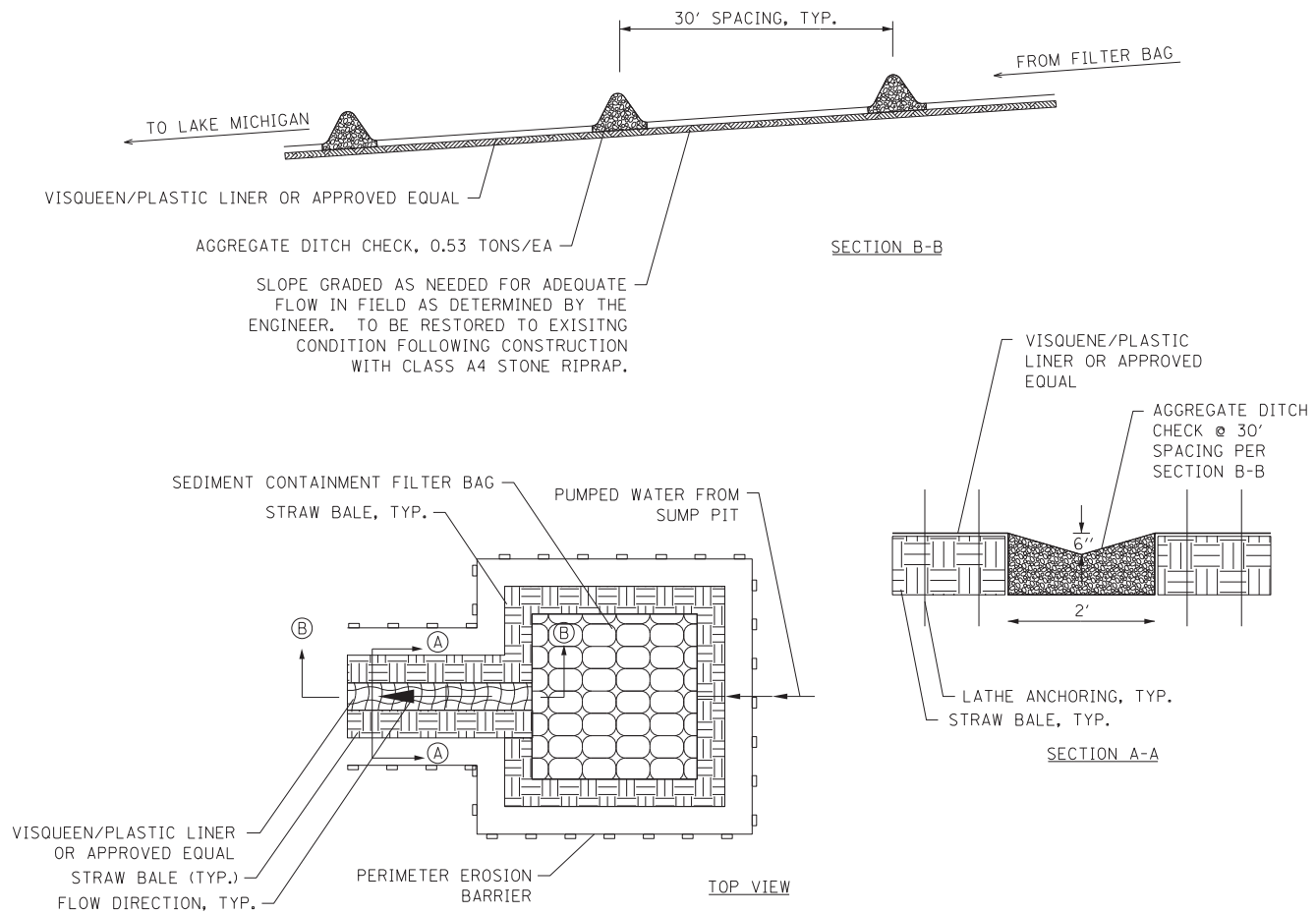


STANDARD DWG. NO.	IL-690
SHEET 1 OF 1	
DATE	4-7-94

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	35
CONTRACT NO. 60G48			ILLINOIS FED. AID PROJECT	

TEMPORARY DEWATERING DITCH DETAIL



- TEMPORARY DEWATERING SUMP NOTES:
1. IF DEWATERING IS NECESSARY, THE INLET OF THE HOSE SHALL BE PLACED IN A SUMP PIT AT THE LOCATION SHOWN ON THE EROSION CONTROL PLANS OR AS DIRECTED BY THE ENGINEER, AND PUMPED INTO A DEWATERING SYSTEM PRIOR TO REJOINING THE LAKE.
 2. REFER TO PROJECT SPECIFICATIONS FOR DEWATERING SUMP USE AND METHODOLOGY. SUMP PIT AND ALL APPURTENANCES SHOWN IN THE DETAIL SHALL BE PAID FOR IN THE COST FOR DEWATERING.
 3. TEMPORARY DEWATERING DITCH AND ALL ITEMS SHOWN HEREIN WITH THE EXCEPTION OF AGGREGATE DITCH CHECKS AND PERIMETER EROSION BARRIER TO BE PAID FOR AS "DEWATERING" - LUMP SUM AS DESCRIBED IN THE PROJECT SPECIFICATIONS.

SOIL PROTECTION CHART

STABILIZATION CHART	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SODDING**	A		**	**	**			A				
SEEDING CL 4A (MODIFIED)**	A		**	**	**			A				
SEEDING CL 5A (MODIFIED)**	A		**	**	**			A				

** SUPPLEMENTAL WATERING AS NECESSARY TO ESTABLISH GROWTH
REFER TO LANDSCAPE PLANS FOR LOCATIONS OF SOIL PROTECTION

CONTROL MEASURE GROUP	CONTROL MEASURE	APPL.	KEY	CONTROL MEASURE CHARACTERISTICS	TEMP.	PERMNT
VEGETATIVE SOIL COVER	TEMPORARY SEEDING	X	TS	PROVIDES QUICK TEMPORARY COVER TO CONTROL EROSION WHEN PERMANENT SEEDING IS NOT DESIRED OR TIME OF YEAR IS INAPPROPRIATE.	X	
	PERMANENT SEEDING	X	PS	PROVIDES PERMANENT VEGETATIVE COVER TO CONTROL EROSION, FILTERS SEDIMENT FROM WATER. MAY BE PART OF FINAL LANDSCAPE PLAN.		X
	DORMANT SEEDING		DS	SAME AS PERMANENT SEEDING EXCEPT IS DONE DURING DORMANT SEASON. HIGHER RATES OF SEED APPLICATION ARE REQUIRED.	X	X
	SODDING	X	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.	X	X
	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.		X
NON VEGETATIVE SOIL COVER	MULCHING		M	ADDED INSURANCE OF A SUCCESSFUL TEMPORARY OR PERMANENT SEEDING. CONTROLS UNWANTED VEGETATION AND PRESERVES MOISTURE. PROVIDES COVER WHERE VEGETATION CANNOT BE ESTABLISHED.	X	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.	X	X
	PAVING	X	P	PROVIDES PERMANENT COVER ON PARKING LOTS AND ROADS OR OTHER AREAS WHERE VEGETATION CANNOT BE ESTABLISHED.		X
DIVERSIONS	RIDGE DIVERSION		RD	TYPICALLY USED ABOVE SLOPES. USED WHERE AN EXCESS OF SOIL IS AVAILABLE.	X	X
	CHANNEL DIVERSION		CD	TYPICALLY USED AT TOP OR BASE OF SLOPES. USED WHEN EXCESS SOIL IS NOT AVAILABLE.	X	X
	COMBINATION DIVERSION		DC	TYPICALLY USED ANYWHERE ON A SLOPE. SOIL TAKEN OUT OF CHANNEL IS USED TO BUILD THE RIDGE.	X	X
	CURB AND GUTTER	X	CG	SPECIAL CASE OF DIVERSION USED IN CONJUNCTION WITH A STREET TO DIVERT WATER FROM AN AREA NEEDING PROTECTION.		X
	BENCHES		B	SPECIAL CASE OF DIVERSION CONSTRUCTED WHEN WORKING ON CUT SLOPES TO SHORTEN LENGTH OF SLOPE AND ADD SLOPE STABILITY.	X	X
WATERWAYS	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.	X	
	VEGETATIVE CHANNEL		VC	PROVIDES ADDED STABILITY TO CHANNEL. USED WHEN VELOCITY OF FLOW IS NOT EXTREMELY FAST.	X	X
	LINED CHANNEL		LC	USED WHEN VEGETATION WILL NOT PROTECT THE CHANNEL AGAINST HIGH VELOCITIES OF FLOW OR WHERE VEGETATION CANNOT BE ESTABLISHED.	X	X
ENCLOSED DRAINAGE	STORM SEWER	X	ST	CAN BE USED TO CONVEY SEDIMENT LADEN WATER TO SEDIMENT BASIN OR IN CONJUNCTION WITH A WATERWAY.		X
	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.	X	X
SPILLWAYS	STRAIGHT PIPE SPILLWAY		SS	USED FOR RELATIVELY SMALL VERTICAL DROPS AND SMALL FLOWS OF WATER.		X
	DROP INLET PIPE SPILLWAY		DIS	SAME AS PIPE SPILLWAY EXCEPT LARGER FLOWS AND LARGE VERTICAL DROPS CAN BE ACCOMMODATED.		X
	WEIR SPILLWAY		W	USED FOR RELATIVELY SMALL VERTICAL DROPS AND FLOWS MUCH GREATER THAN PIPE STRUCTURES.	X	X
	BOX INLET WEIR SPILLWAY		BS	SAME AS WEIR SPILLWAY EXCEPT LARGER FLOWS CAN BE ACCOMMODATED BECAUSE OF LOWER WEIR LENGTH.	X	X
OUTLETS	LINED APRON	X	LA	PROTECTS DOWNSTREAM CHANNEL FROM HIGH VELOCITY OF FLOW DISCHARGING FROM STRUCTURES.	X	X
SEDIMENT BASINS	EMBANKMENT SEDIMENT BASIN		ES	USED WHERE TOPOGRAPHY LENDS ITSELF TO CONSTRUCTING A DAM AND EARTH FILL IS AVAILABLE.	X	X
	EXCAVATED SEDIMENT BASIN		XS	USED WHERE EMBANKMENT COULD CAUSE A HAZARD DOWNSTREAM IN CASE OF FAILURE AND WHEN EXCESS EARTH FILL IS NOT AVAILABLE.	X	X
	COMBINATION SEDIMENT BASIN		CS	USED WHEN TOPOGRAPHY IS SUITABLE BUT ADDITIONAL CAPACITY IS NEEDED.	X	X
SEDIMENT FILTERS	BARRIER FILTER		BF	USED FOR SINGLE LOTS OR DRAINAGE AREAS LESS THAN 1/2 ACRE TO FILTER SEDIMENT FROM RUNOFF.	X	
	VEGETATIVE FILTER		VF	USED ALONG DRAINAGEWAYS OR PROPERTY LINES TO FILTER SEDIMENT FROM RUNOFF. SIZE MUST BE INCREASED IN PROPORTION TO DRAINAGE AREA.	X	X
MUD AND DUST CONTROL	STABILIZED CONST. ENTRANCE	X	SE	PREVENT MUD FROM BEING PICKED UP AND CARRIED OFF-SITE.	X	X
	DUST AND TRAFFIC CONTROL		DT	PREVENTS DUST FROM LEAVING CONSTRUCTION SITE.	X	X



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	DATE - 05-11-2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

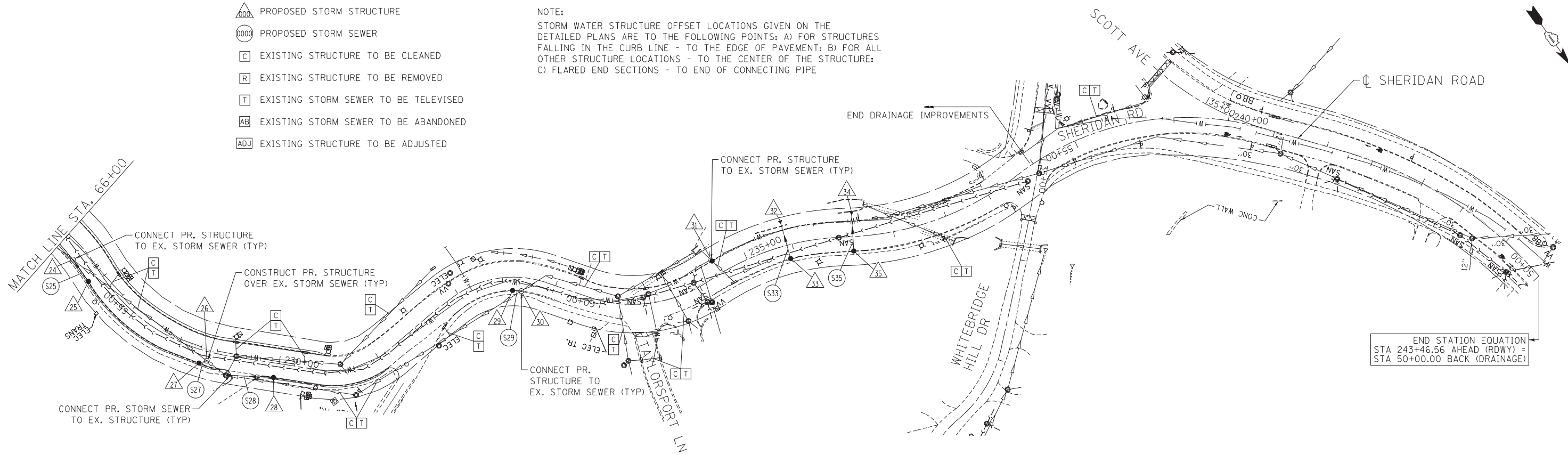
SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
EROSION AND SEDIMENT CONTROL DETAILS

SCALE: NTS SHEET NO. 4 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	36
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				

- PROPOSED STORM STRUCTURE
- PROPOSED STORM SEWER
- EXISTING STRUCTURE TO BE CLEANED
- EXISTING STRUCTURE TO BE REMOVED
- EXISTING STORM SEWER TO BE TELEVISED
- EXISTING STORM SEWER TO BE ABANDONED
- EXISTING STRUCTURE TO BE ADJUSTED

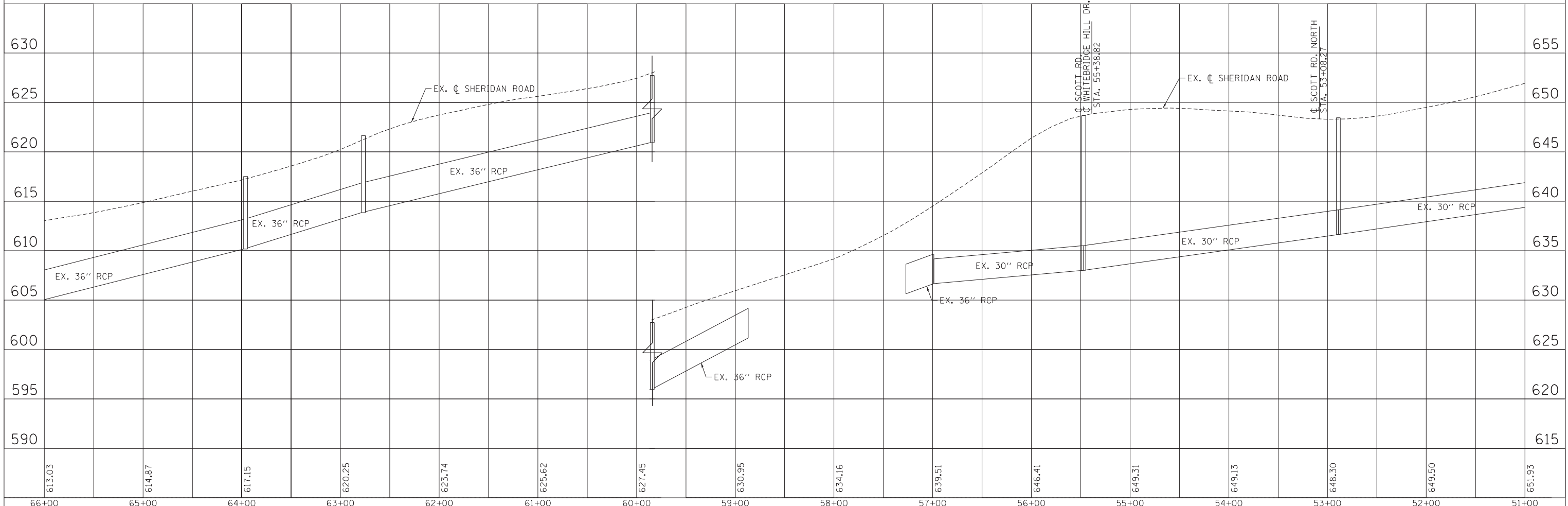
NOTE:
 STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT; B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE; C) FLARED END SECTIONS - TO END OF CONNECTING PIPE



END STATION EQUATION
 STA 243+46.56 AHEAD (RDWY) =
 STA 50+00.00 BACK (DRAINAGE)

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

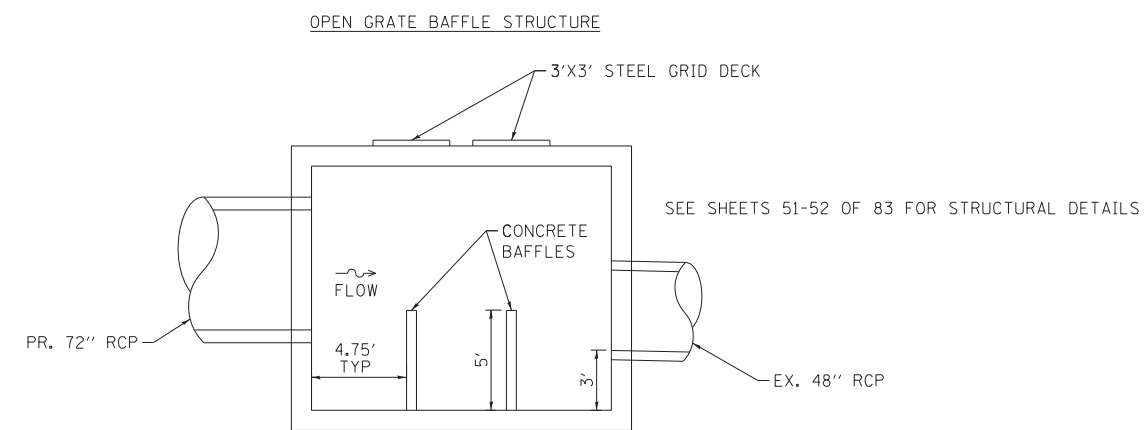
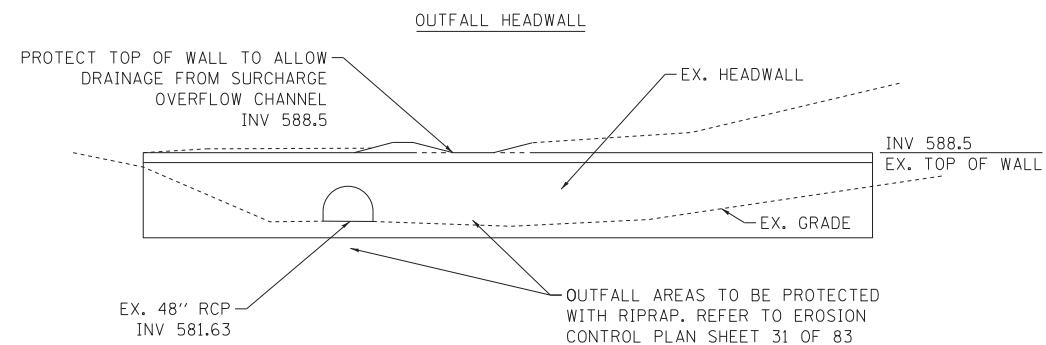
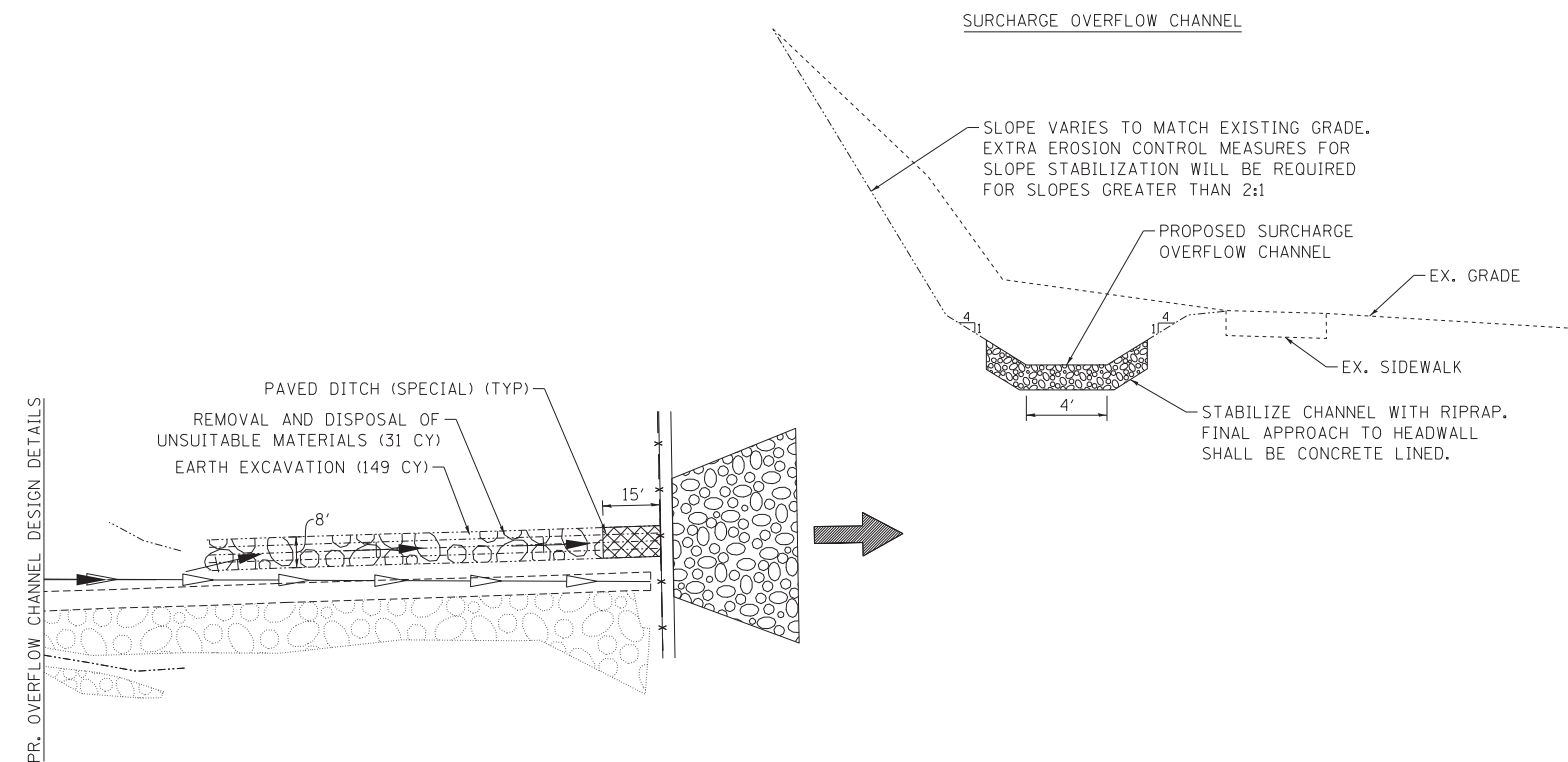
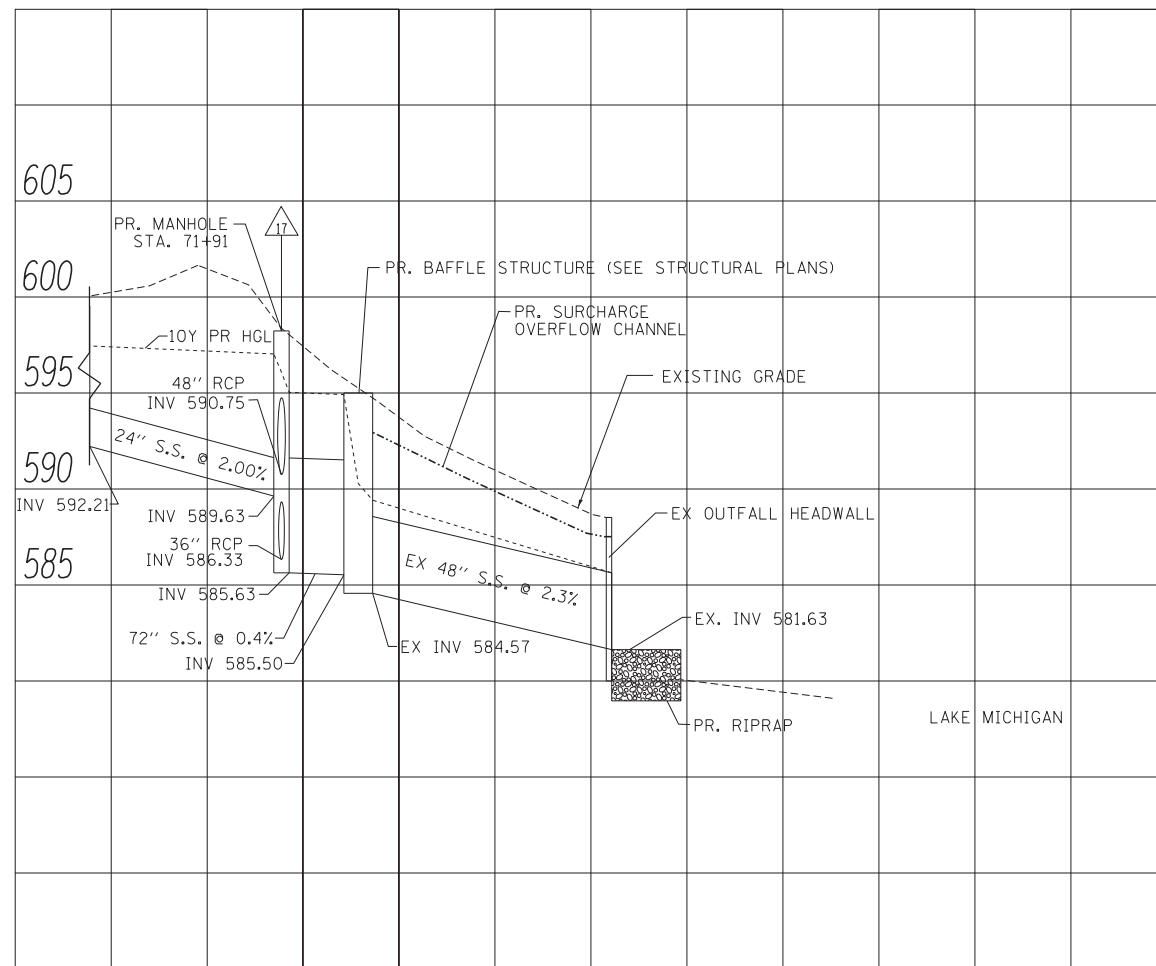
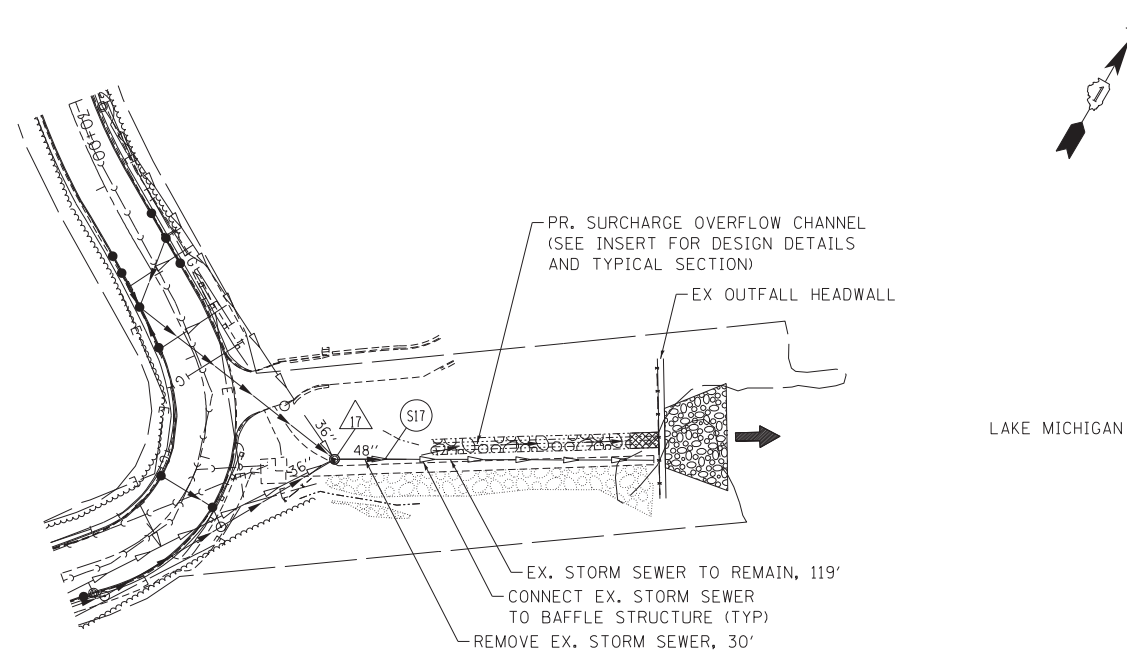
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	CHECKED
	STRUCTURE NOTATIONS OK'D	NO.



	USER NAME = WTeng	DESIGNED - WJT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE DRAINAGE AND UTILITIES	F.A.U. R.E. 3509	SECTION (112 & 112X) R5-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 38		
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	PLOT DATE = 5/11/2015	DATE - 05-11-2015	REVISED -			ILLINOIS FED. AID PROJECT						

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	DESIGNED	
	FILED	
	NO.	

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



USER NAME = WTeng	DESIGNED - WJT	REVISED -
DRAWN - WJT	REVISIONS -	
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PLLOT DATE = 5/12/2015	DATE - 05-11-2015	REVISIONS -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	39
				CONTRACT NO. 60G48
ILLINOIS FED. AID PROJECT				

STORM SEWER
STRUCTURE TABLE

STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE				F&G	INVERT ELEVATION	RIM ELEVATION
			MH	CB	IN	OTHER			
1	79+32.00	14.33 LT		C			11	639.04 N	648.47
2	78+76.93	16.01 LT		4' A			11	638.50 NW, 638.50 S	644.48
3	75+85.12	14.59 RT		C			24	610.03 NW	618.66
4						JCT. BOX	SEE STRT.	SEE STRUCTURAL PLANS	--
5	75+41.30	15.89 LT	6' A				TY 1 CL	603.54 W, 598.71 NE, 610.26 SW	614.43
6	75+55.88	14.30 LT		C			24	610.36 NE	615.61
7	74+22.45	13.86 LT	6' A				TY 1 CL	597.85 SW, 593.48 NE	607.30
8	73+52.25	17.41 LT	6' A				TY 1 CL	597.98 W, 592.98 SW, 592.31 NE	604.78
9	72+92.60	15.18 LT		C			24	597.38 NE	602.63
10	72+82.06	18.29 LT	6' A				TY 1 CL	591.60 (NE, SW), 597.27 W	602.67
11	72+19.16	15.17 RT		C			24	593.65 E	601.68
12	72+25.00	25.47 LT	6' A				TY 1 CL	591.02 (NE, SW), 593.27 NW	602.03
13	72+20.00	16.34 LT		4' A			24	593.34 (W, SE)	603.10
14	71+11.29	14.95 RT		5' A			24	592.21 E, 595.50 (NW, SE), 596.21 N	600.19
14A	71+34.69	15.15 RT		C			24	595.70 NW	599.71
15	70+90.00	14.05' RT		4' A			24	595.66 (NW, SE)	600.07
16	70+80.12	13.65' RT		C			24	595.73 SE	600.29
17	71+90.55	68.73 LT	8' A				8	585.63 NE, 590.75 SW, 586.33 NW(Ex), 589.63 W	597.69
18	71+01.11	14.77 LT		C			24	597.04 NW	600.23
19	70+86.04	15.09 LT		5' A			24	596.55 S, 596.89 (NW,SE)	600.48
20	70+70.72	14.96 LT		C			24	597.04 SE	600.73
21	67+25.00	14.92 RT		C			24	607.03 E	611.54
22	67+60.00	14.65 LT	6' A				24	601.59 (NW, SE), 606.60 W	610.44
23	66+40.00	17.04 RT		C			24	608.03 NE	612.66
24	65+78.11	14.67 LT	6' A				24	605.83 (NW, SE), 609.82 N	613.05
25	65+50.00	14.24 LT		C			24	610.04 S	614.53
26	64+16.10	8.92' LT	6' A				TY 1 CL	609.67 (N, S), 612.12 E	616.76
27	64+22.43	13.13' LT		C			24	612.16 W	616.63
28	63+50.00	14.08 LT		C			24	614.97(SE)	618.50
29	60+90.00	12.98 LT		C			11	622.19 NW	625.43
30	60+80.17	13.32 LT	6' A				11	618.53 (W, E), 622.14 SE	625.56
31	58+76.72	14.69 RT		4' A			11	627.27 N	631.27
32	58+05.57	25.21 RT				FES 12"	--	630.07 NE	--
33	58+05.00	13.44 LT		C			11	630.86 SW	633.86
34	57+40.13	24.81 RT				FES 12"	--	632.46 NE	--
35	57+40.00	14.02 LT		C			11	633.17 SW	636.84

* THE CONE OF THE STRUCTURE SHALL BE CONSTRUCTED UNDER THE PAVEMENT AND AWAY FROM THE EXISTING WATERMAIN.

STORM SEWER
PIPE TABLE

PIPE NO.	FROM STR.	TO STR.	DESCRIPTION	DIA (IN)	LENGTH (FT)	SLOPE (%)	T.B.F (CU YD)
S1	1	2	SS TY 2 CLASS A RCP	12"	54'	1.00%	53.2
S2	2	Ex. MH	SS TY 2 CLASS A RCP	12"	43'	1.00%	43.7
S3	3	4	SS TY 2 CLASS A RCP	12"	9'	1.00%	5.2
S4	4	5	SS TY 3 CLASS A RCP	48"	54'	0.75%	96.2
S5	5	7	SS TY 3 CLASS A RCP	48"	115'	0.75%	272.4
S6	6	5	SS TY 2 CLASS A RCP	12"	10'	1.00%	11.5
S7	7	8	SS TY 2 CLASS A RCP	48"	68'	0.75%	87.3
S8	8	10	SS WATERMAIN REQ	48"	69'	0.75%	146.7
S9	9	10	SS WATERMAIN REQ	12"	11'	1.00%	7.3
S10	10	12	SS TY 3 CLASS A RCP	48"	71'	0.75%	121.7
S11	11	13	SS WATERMAIN REQ	12"	32'	1.00%	20.2
S12	12	17	SS TY 2 CLASS A RCP	48"	69'	0.40%	0.0
S13	13	12	SS TY 2 CLASS A RCP	12"	11'	2.00%	2.9
S14	14	17	SS WATERMAIN REQ	24"	129'	2.00%	103.1
S14A	14A	14	SS TY 2 CLASS A RCP	12"	23'	1.00%	2.6
S15	15	14	SS TY 2 CLASS A RCP	12"	16'	1.00%	3.1
S16	16	15	SS TY 2 CLASS A RCP	12"	7'	1.00%	1.2
S17	17	BAFFLE STR.	SS TY 3 CLASS A RCP	72"	38'	0.34%	0.0
S18	18	19	SS TY 2 CLASS A RCP	12"	15'	1.00%	2.2
S19	19	14	SS TY 2 CLASS A RCP	18"	39'	1.00%	6.3
S20	20	19	SS TY 2 CLASS A RCP	12"	15'	1.00%	2.7
S21	21	22	SS TY 2 CLASS A RCP	12"	47'	1.00%	15.0
S23	23	Ex. MH	SS TY 2 CLASS A RCP	12"	33'	1.00%	23.0
S25	25	24	SS TY 2 CLASS A RCP	12"	26'	1.00%	5.6
S27	27	26	SS TY 2 CLASS A RCP	12"	3'	1.00%	0.9
S28	28	Ex.	SS TY 2 CLASS A RCP	12"	47'	1.00%	8.5
S29	29	30	SS TY 2 CLASS A RCP	12"	9'	1.00%	1.6
S33	33	32	SS WATERMAIN REQ	12"	38'	0.75%	5.4
S35	35	34	SS WATERMAIN REQ	12"	38'	1.00%	5.4



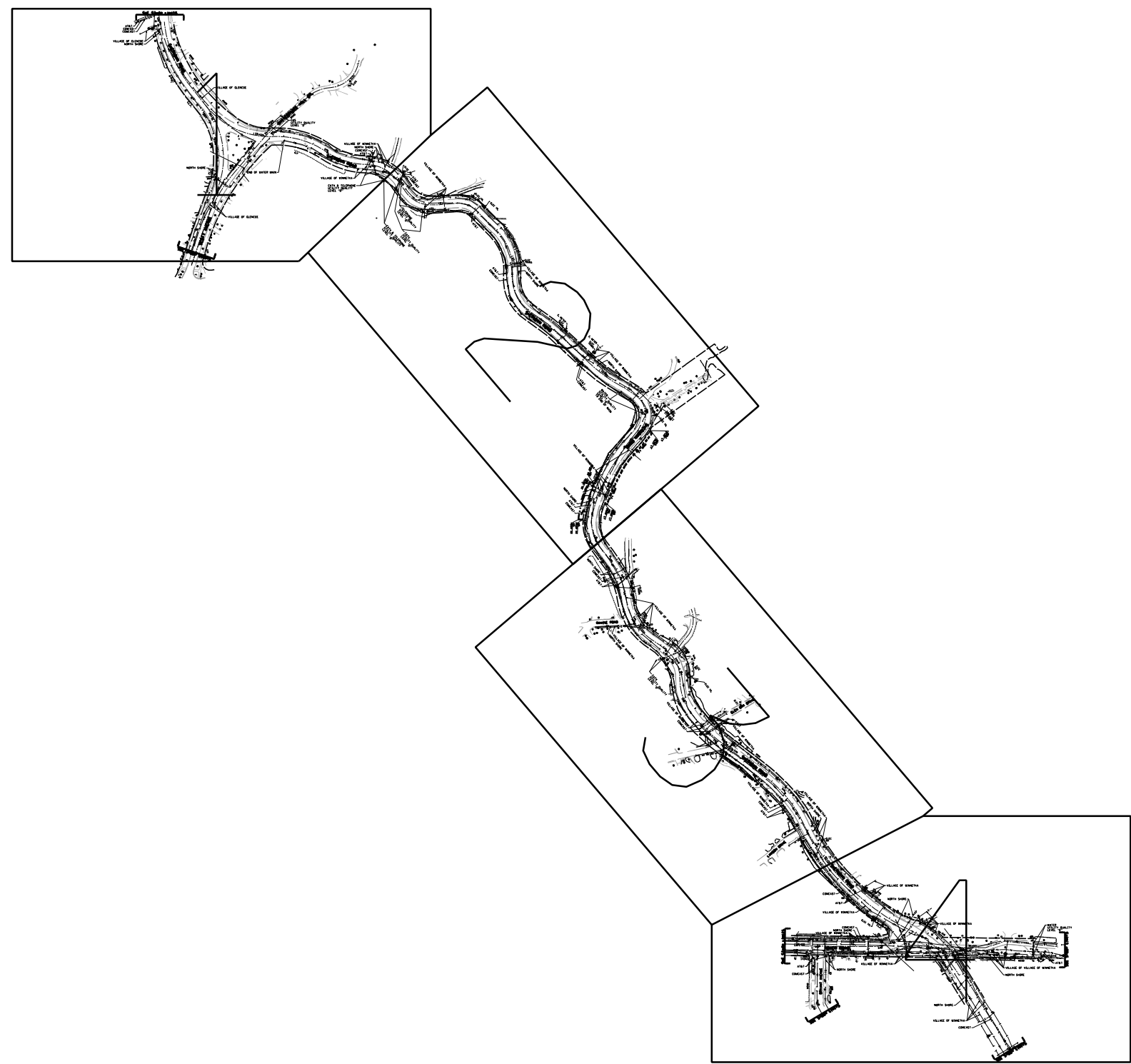
USER NAME = WTeng	DESIGNED - WJT	REVISED -
	DRAWN - WJT	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - JIP	REVISED -
PLOT DATE = 5/11/2015	DATE - 05-11-2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
DRAINAGE & UTILITY TABLES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	40
CONTRACT NO. 60C48				
ILLINOIS FED. AID PROJECT				



— A — A —	AERIAL
- - - - -	UNKNOWN
— IOI —	OIL
— CTV — CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— IG — IG —	GAS
— E — E —	ELECTRIC
— IW — IW —	WATER
— FO — FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COMCAST - CATV	
COM-ED - ELECTRIC	
NORTHSHORE - GAS	
VILLAGE OF GLENCOE - WATER	
VILLAGE OF WINNETKA - ELECTRIC	
VILLAGE OF WINNETKA - 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 9/30/14 through 12/11/14. Changes to utilities after 12/11/14 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. IL09510626
SUE Plan Page: COVER

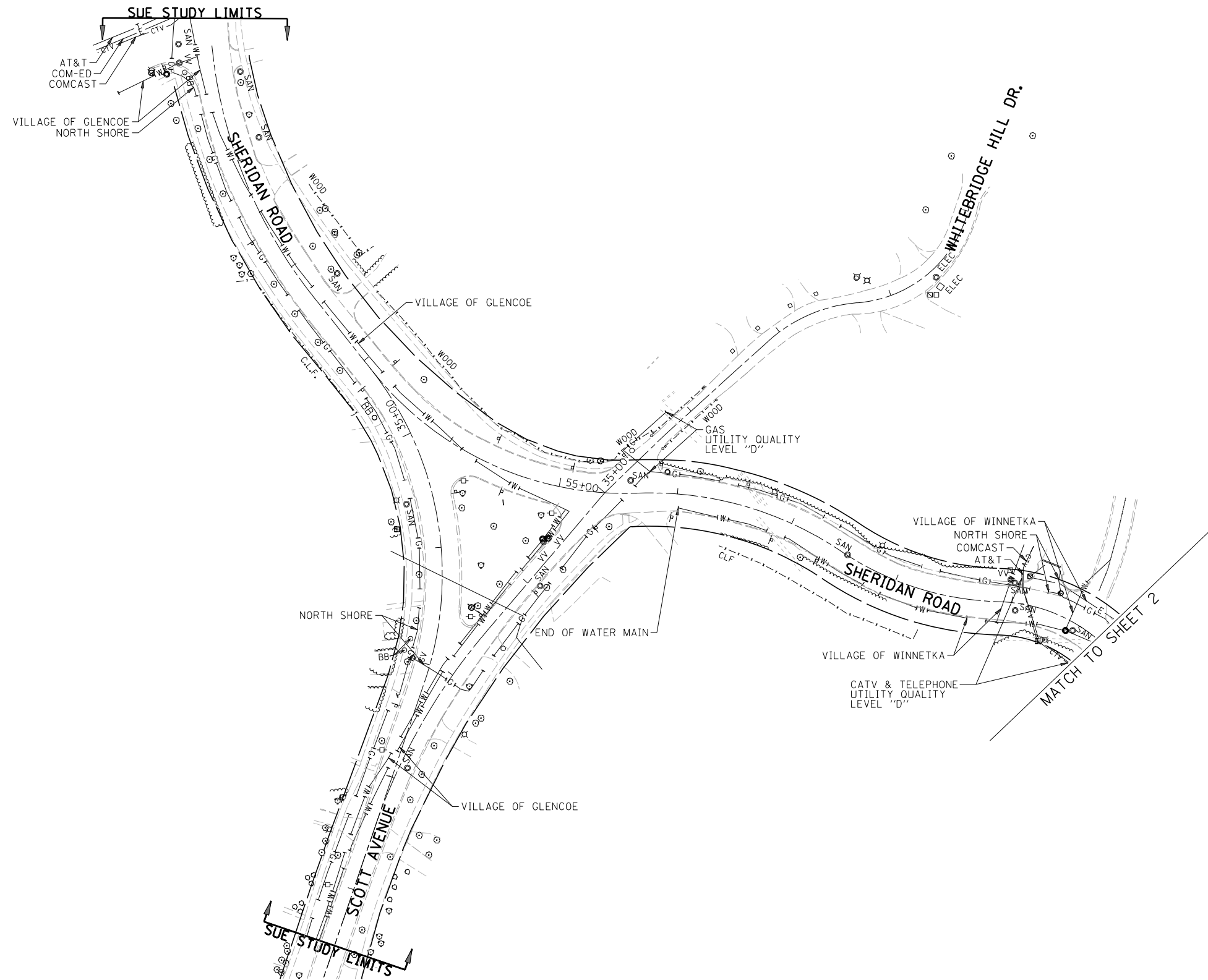
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	IP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	12/11/14	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Sheridan Road (Scott Ave.) to Tower Road
Winnetka, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	Cook	83	41
Contract No. 60G48				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

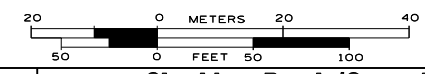



— A — A —	AERIAL
- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION


UTILITY OWNERS		
AT&T - FIBER OPTIC		
AT&T - TELEPHONE		
COMCAST - CATV		
COM-ED - ELECTRIC		
NORTH SHORE - GAS		
VILLAGE OF GLENCOE - WATER		
VILLAGE OF WINNETKA - ELECTRIC		
VILLAGE OF WINNETKA - WATER		

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







TBE Job No. IL09510626
SUE Plan Page: 1 of 4

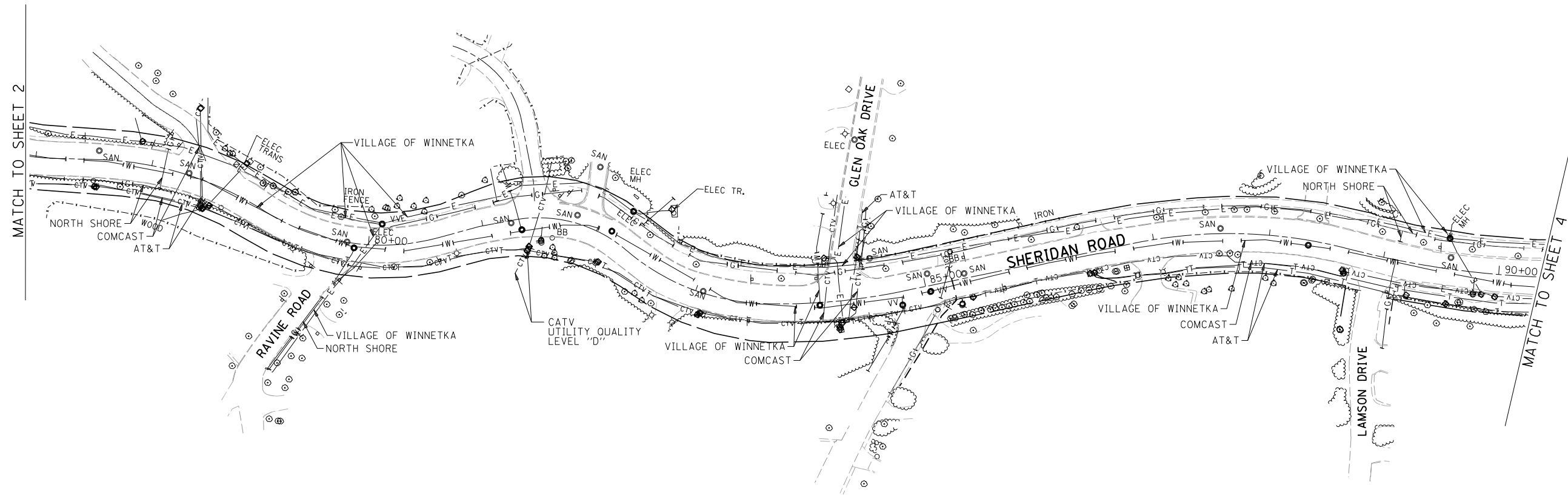
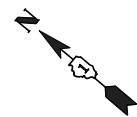
Utility Quality Level "A" : Visually Verified Test Hole
 Utility Quality Level "B" : Designating/non Visually Verified Test Hole
 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

DESIGNED	JP	REVISED	
DRAWN	SRK	REVISED	
CHECKED	MGR	REVISED	
DATE	12/11/14	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Sheridan Road (Scott Ave.) to Tower Road
Winnetka, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	Cook	83	42
Contract No. 60G48				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

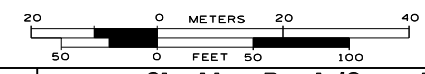


— A — A —	AERIAL
- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE
⌋EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T	- FIBER OPTIC
AT&T	- TELEPHONE
COMCAST	- CATV
COM-ED	- ELECTRIC
NORTH SHORE	- GAS
VILLAGE OF GLENCOE	- WATER
VILLAGE OF WINNETKA	- ELECTRIC
VILLAGE OF WINNETKA	- WATER

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



TBE Job No. IL09510626
SUE Plan Page: 3 of 4

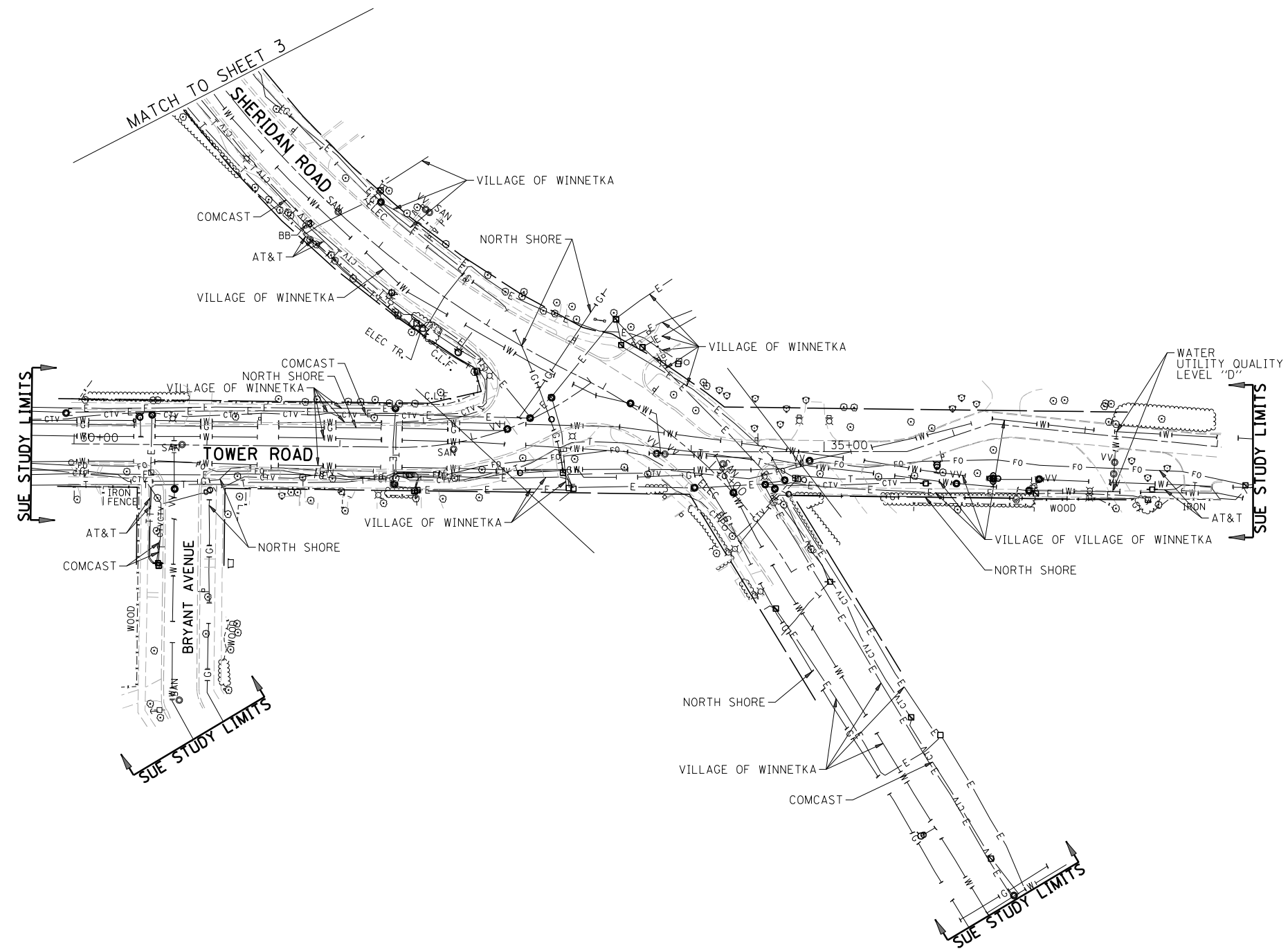
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	IP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	12/11/14	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**Sheridan Road (Scott Ave.) to Tower Road
Winnetka, Illinois**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	Cook	83	44
Contract No. 60G48				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

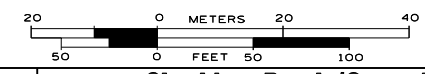


— A — A —	AERIAL
- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE
⌋	END OF INFORMATION

UTILITY OWNERS	
AT&T	- FIBER OPTIC
AT&T	- TELEPHONE
COMCAST	- CATV
COM-ED	- ELECTRIC
NORTH SHORE	- GAS
VILLAGE OF GLENCOE	- WATER
VILLAGE OF WINNETKA	- ELECTRIC
VILLAGE OF WINNETKA	- WATER

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



TBE Job No. IL09510626
SUE Plan Page: 4 of 4

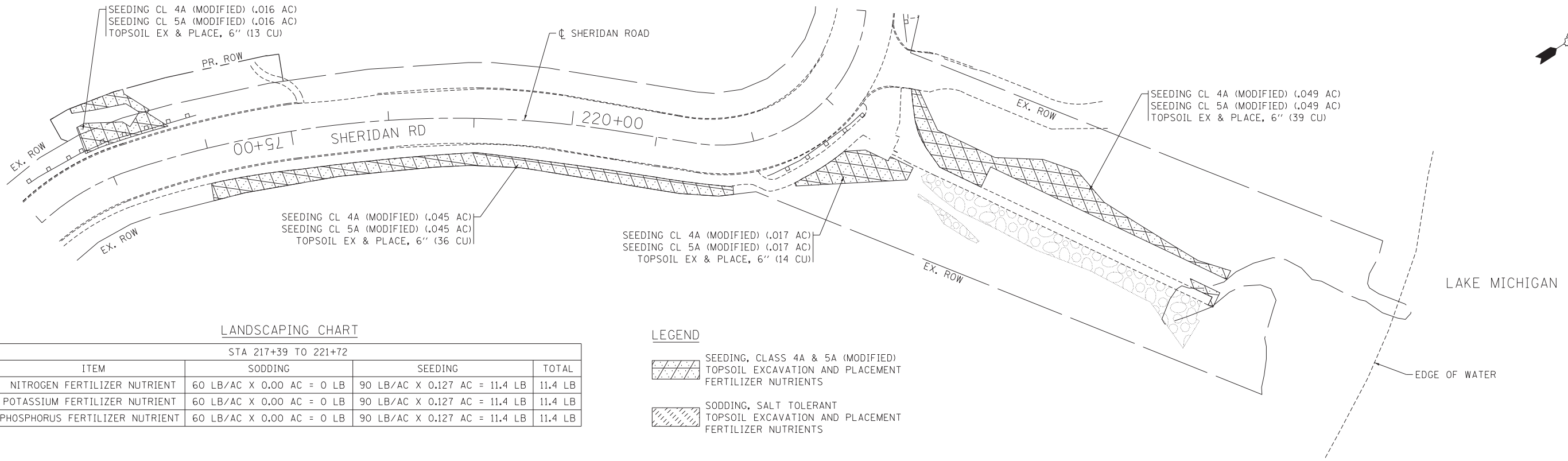
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	IP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	12/11/14	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Sheridan Road (Scott Ave.) to Tower Road
Winnetka, Illinois

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	Cook	83	45
Contract No. 60G48				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

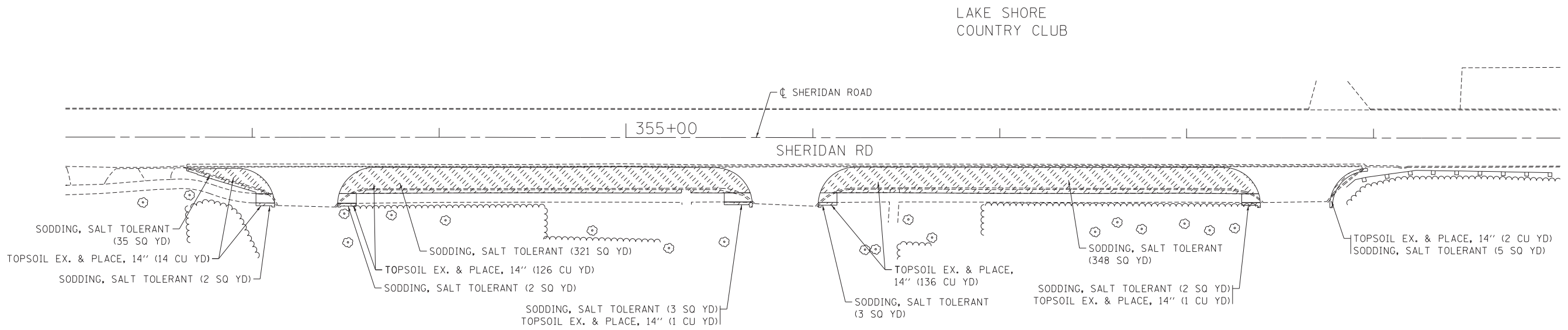


LANDSCAPING CHART

STA 217+39 TO 221+72			
ITEM	SODDING	SEEDING	TOTAL
NITROGEN FERTILIZER NUTRIENT	60 LB/AC X 0.00 AC = 0 LB	90 LB/AC X 0.127 AC = 11.4 LB	11.4 LB
POTASSIUM FERTILIZER NUTRIENT	60 LB/AC X 0.00 AC = 0 LB	90 LB/AC X 0.127 AC = 11.4 LB	11.4 LB
PHOSPHORUS FERTILIZER NUTRIENT	60 LB/AC X 0.00 AC = 0 LB	90 LB/AC X 0.127 AC = 11.4 LB	11.4 LB

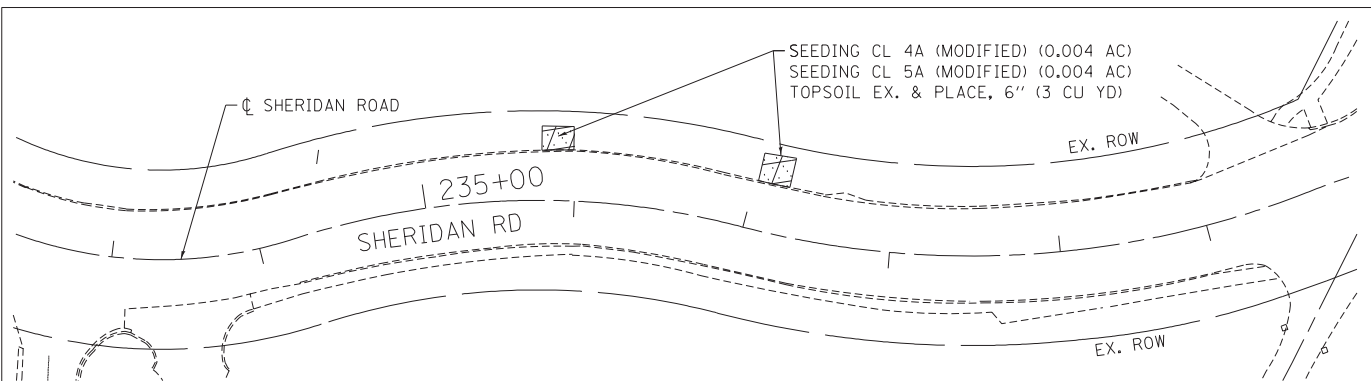
LEGEND

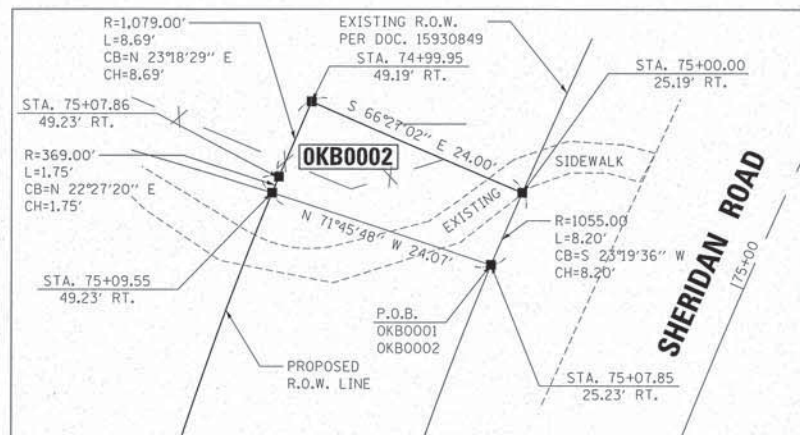
- SEEDING, CLASS 4A & 5A (MODIFIED)
TOPSOIL EXCAVATION AND PLACEMENT
FERTILIZER NUTRIENTS
- SODDING, SALT TOLERANT
TOPSOIL EXCAVATION AND PLACEMENT
FERTILIZER NUTRIENTS



LANDSCAPING CHART

STA 235+36 TO 236+12, 352+65 TO 358+97			
ITEM	SODDING	SEEDING	TOTAL
NITROGEN FERTILIZER NUTRIENT	60 LB/AC X 0.149 AC = 8.9 LB	90 LB/AC X 0.004 AC = 0.4 LB	9.3 LB
POTASSIUM FERTILIZER NUTRIENT	60 LB/AC X 0.149 AC = 8.9 LB	90 LB/AC X 0.004 AC = 0.4 LB	9.3 LB
PHOSPHORUS FERTILIZER NUTRIENT	60 LB/AC X 0.149 AC = 8.9 LB	90 LB/AC X 0.004 AC = 0.4 LB	9.3 LB





DETAIL
SCALE: 1" = 10'

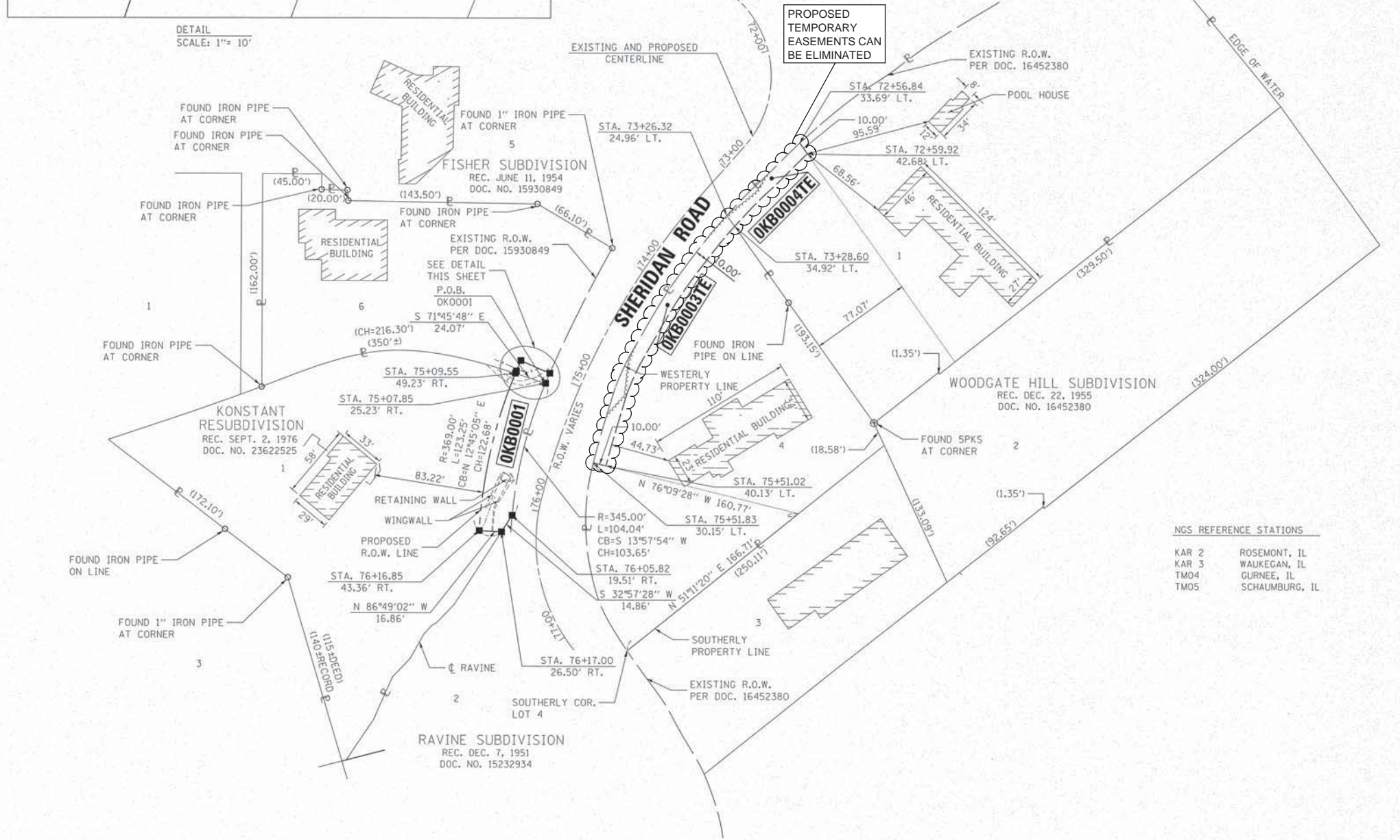
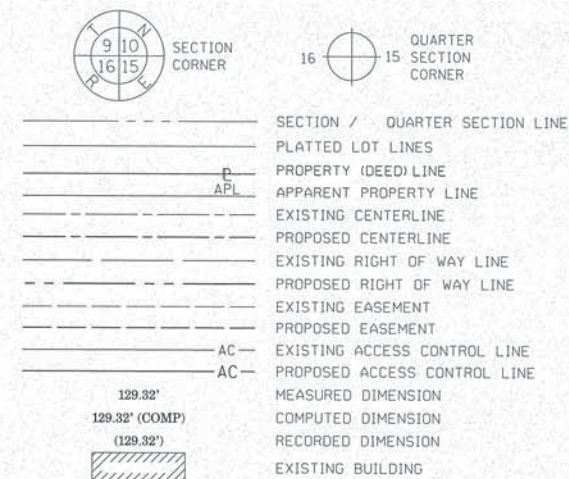
PROJECT COORDINATES						
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)						
OKB0001 COORDINATE TABLE						
STATION	OFFSET	NORTH	EAST			
75+07.85	25.23' RT.	1,986,756.596	1,145,866.590			
76+05.82	19.51' RT.	1,986,656.010	1,145,841.576			
76+17.00	26.50' RT.	1,986,643.541	1,145,833.492			
76+16.85	43.36' RT.	1,986,644.477	1,145,816.656			
75+09.55	49.23' RT.	1,986,764.127	1,145,846.733			

PROJECT COORDINATES						
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)						
OKB0002 COORDINATE TABLE						
STATION	OFFSET	NORTH	EAST			
75+07.85	25.23' RT.	1,986,756.596	1,145,866.590			
75+09.55	49.23' RT.	1,986,764.127	1,145,843.733			
75+07.86	49.23' RT.	1,986,765.742	1,145,844.400			
74+99.95	49.19' RT.	1,986,773.719	1,145,847.837			
75+00.00	25.19' RT.	1,986,764.130	1,145,869.838			

NOTES:

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT). "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDED GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 1.000005
- AREAS SHOWN ON THIS PLAT ARE GROUND.

LEGEND



- 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)SS
)

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 17, TOWNSHIP 42 NORTH, RANGE 13 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 _____, ILLINOIS THIS ____ DAY OF _____, 20__ A.D.

JESUS M. LOPEZ, PLS
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035.003774
 LICENSE EXPIRATION DATE: 11/30/2014

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

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OKB0001	1.115	0.065	N/A	1.050	0	N/A	05-17-200-087
OKB0002	0.705	234 SQ FT 0.005	N/A	0.700	0	N/A	05-17-200-050
OKB0003TE	0.918	N/A	N/A	0.918	0.049	N/A	05-10-203-014
OKB0004TE	1.745	N/A	N/A	1.745	0.018	N/A	05-17-203-016

PROJECT COORDINATES						
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)						
OKB0003TE COORDINATE TABLE						
STATION	OFFSET	NORTH	EAST			
73+26.32	24.96' LT.	1,986,883.939	1,146,003.954			
73+28.60	34.92' LT.	1,986,875.644	1,146,009.926			
75+51.02	40.13' LT.	1,986,693.888	1,145,912.921			
75+51.83	30.15' LT.	1,986,696.281	1,145,903.211			

PROJECT COORDINATES						
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)						
OKB0004TE COORDINATE TABLE						
STATION	OFFSET	NORTH	EAST			
72+56.84	33.69' LT.	1,986,939.231	1,146,059.149			
72+59.52	42.68' LT.	1,986,931.036	1,146,065.022			
73+28.60	34.92' LT.	1,986,875.644	1,146,009.926			
73+26.32	24.96' LT.	1,986,883.939	1,146,003.954			

DOT USE ONLY
 SS
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 MAY 15 2014
 PLATS & LEGALS

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.edesign.com MBE/WBE/OBE

Excellence, Dedication, Innovation

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SHERIDAN ROAD

LIMITS: SCOTT AVENUE TO TOWER ROAD COUNTY: COOK
 SECTION: JOB NO.: R-90-013-13
 STA. 72+56.84 TO STA. 76+17.07
 SCALE: 1" = 50' SHEET 2 OF 2 SHEETS

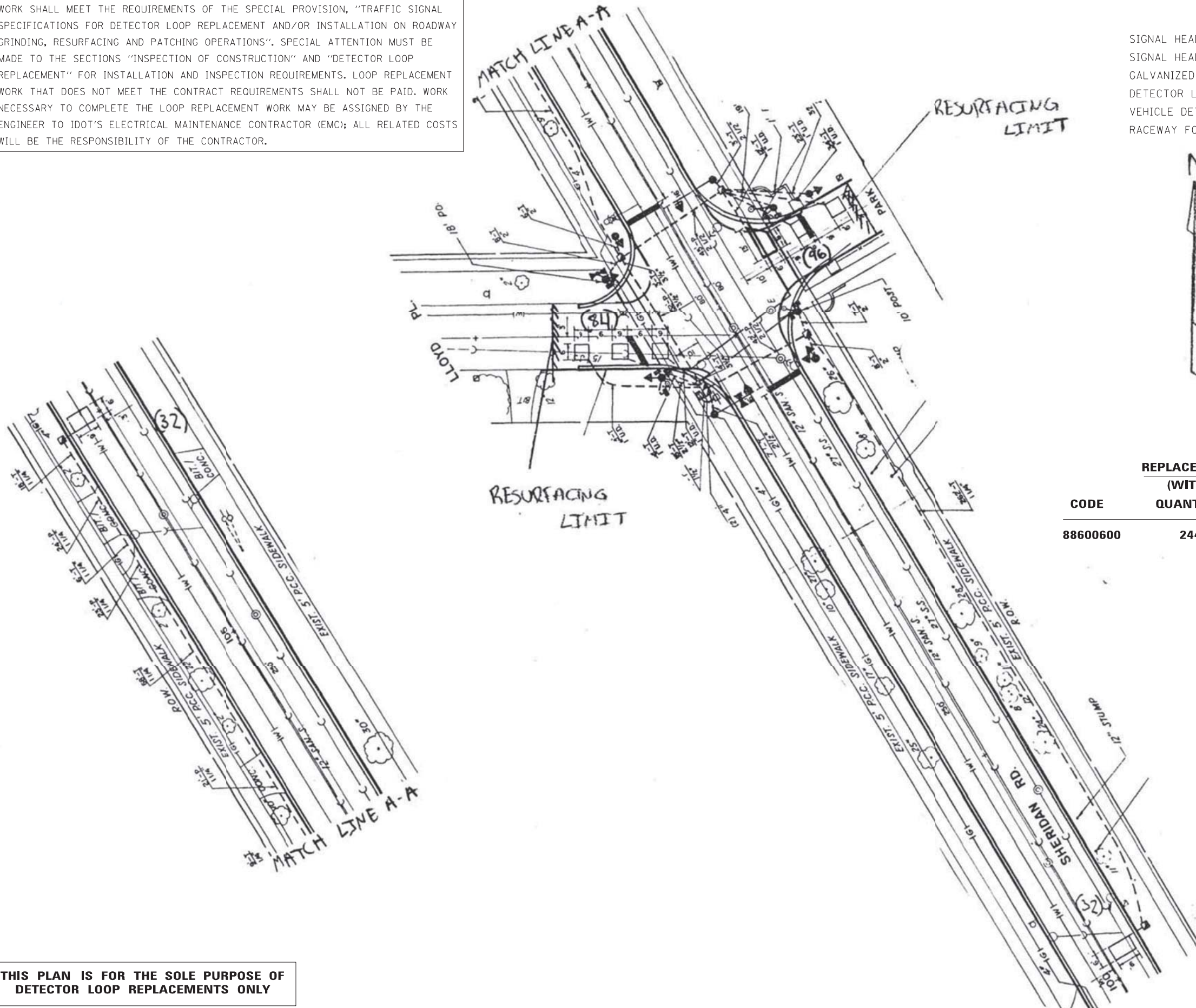
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

47 of 83

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	⊕	⊕
SIGNAL HEAD	→	→
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	—	—
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	—	"E"



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	244	FOOT	DETECTOR LOOP REPLACEMENT

THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY

B Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = nguyensm	DESIGNED -	REVISED -
PLOT SCALE = 20' / IN.	DRAWN -	REVISED -
PLOT DATE = 12/1/2010	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
DETECTOR LOOP REPLACEMENT, LLOYD PLACE

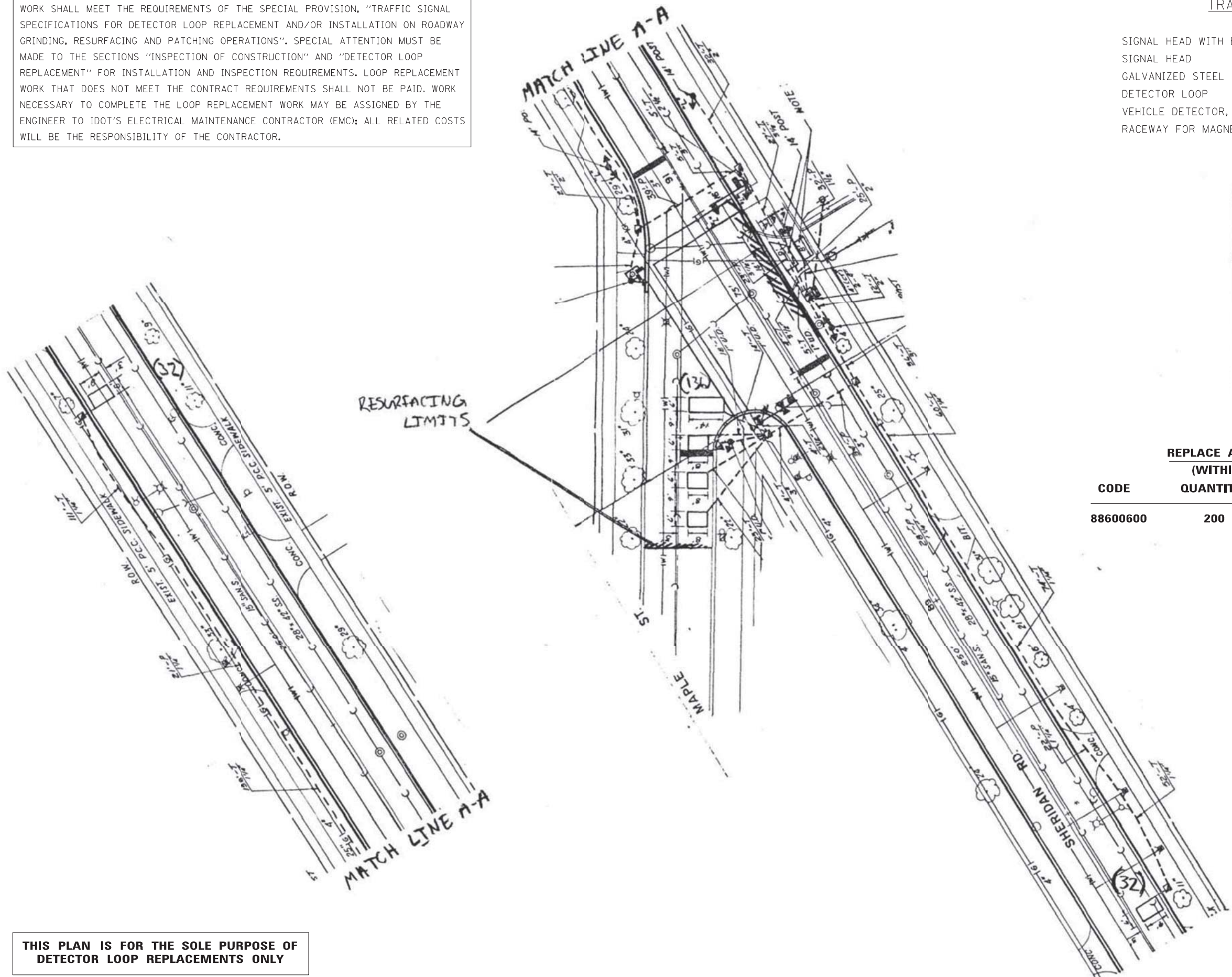
SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	48
				CONTRACT NO. 60G48
ILLINOIS FED. AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	⊕	⊕
SIGNAL HEAD	⊖	⊖
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	⊔	⊔
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	⊔	⊔ "E"



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	200	FOOT	DETECTOR LOOP REPLACEMENT

THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY



USER NAME = nguyensm	DESIGNED -	REVISED -
PLOT SCALE = 28' / IN.	DRAWN -	REVISED -
PLOT DATE = 12/1/2010	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
DETECTOR LOOP REPLACEMENT, MAPLE STREET

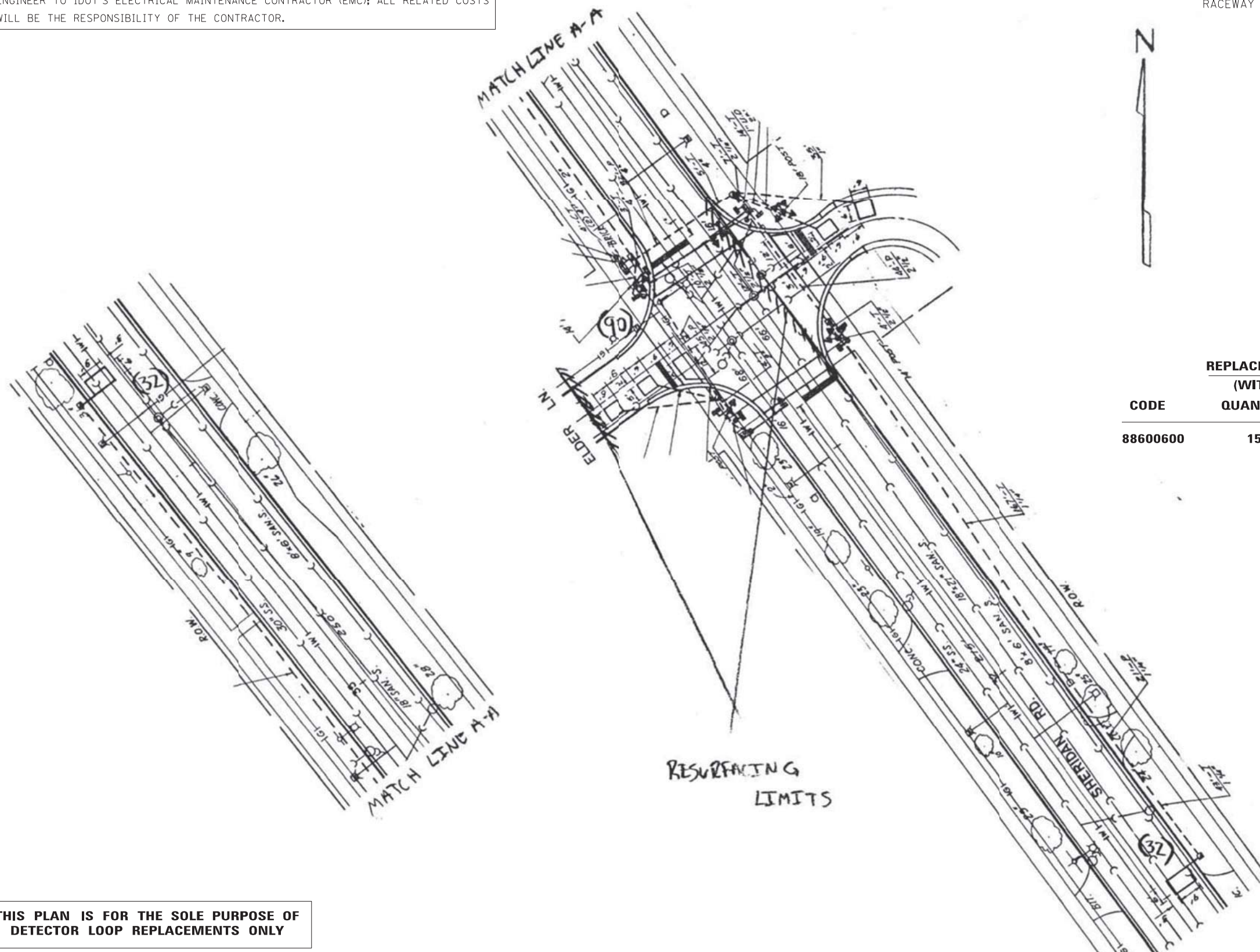
SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	49
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS SHALL NOT BE PAID. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	—	—
SIGNAL HEAD	—	—
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	---	---
DETECTOR LOOP	□	□
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	—	—
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	—	— "E"



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	154	FOOT	DETECTOR LOOP REPLACEMENT

THIS PLAN IS FOR THE SOLE PURPOSE OF
DETECTOR LOOP REPLACEMENTS ONLY

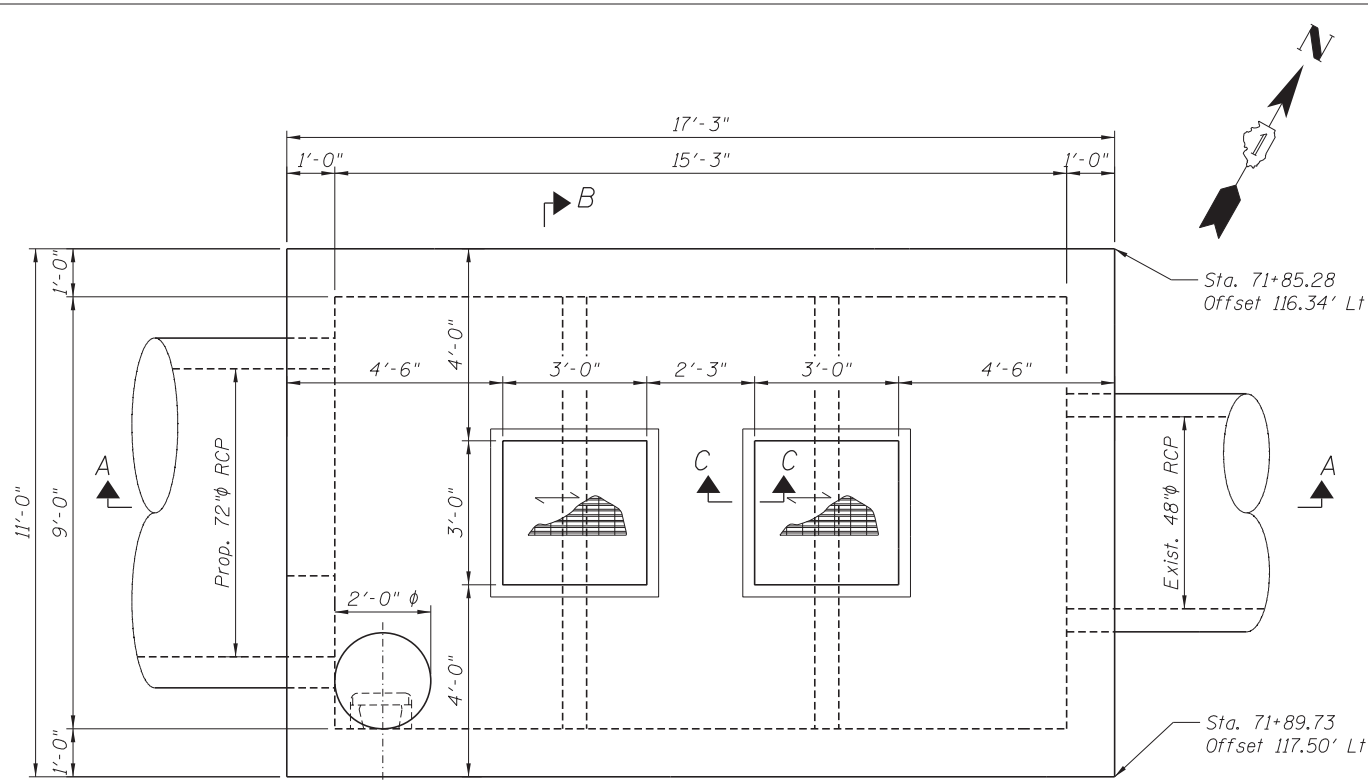


USER NAME : nguyensm	DESIGNED -	REVISED -
PLOT SCALE : 28' / IN.	DRAWN -	REVISED -
PLOT DATE : 12/1/2010	CHECKED -	REVISED -
	DATE -	REVISED -

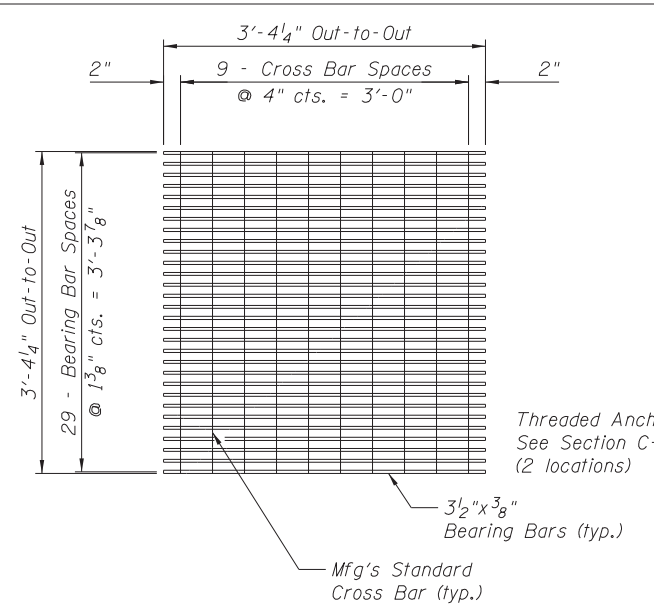
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVENUE
DETECTOR LOOP REPLACEMENT, ELDER LANE
SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. N/A TO STA. N/A

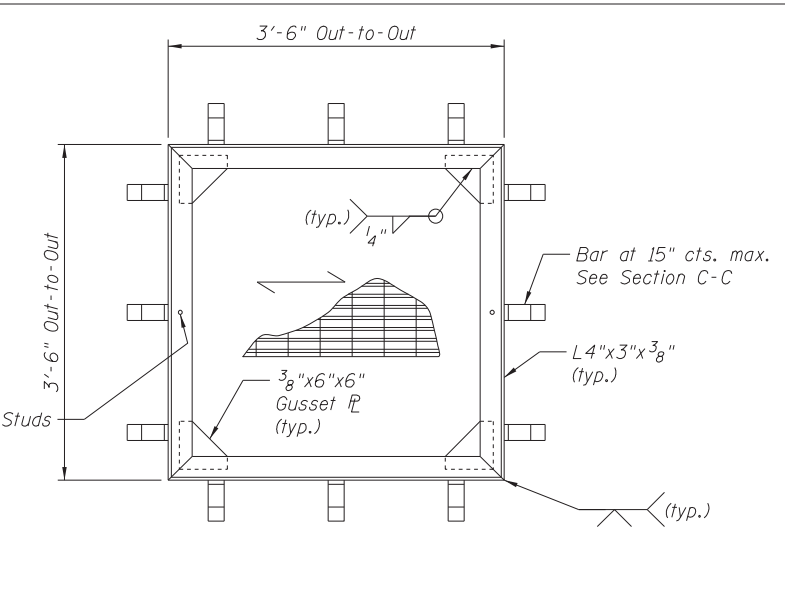
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	50
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				



PLAN
 Manhole frame and Solid lid
 Neenah Foundry No. R-6041
 or approved equal *

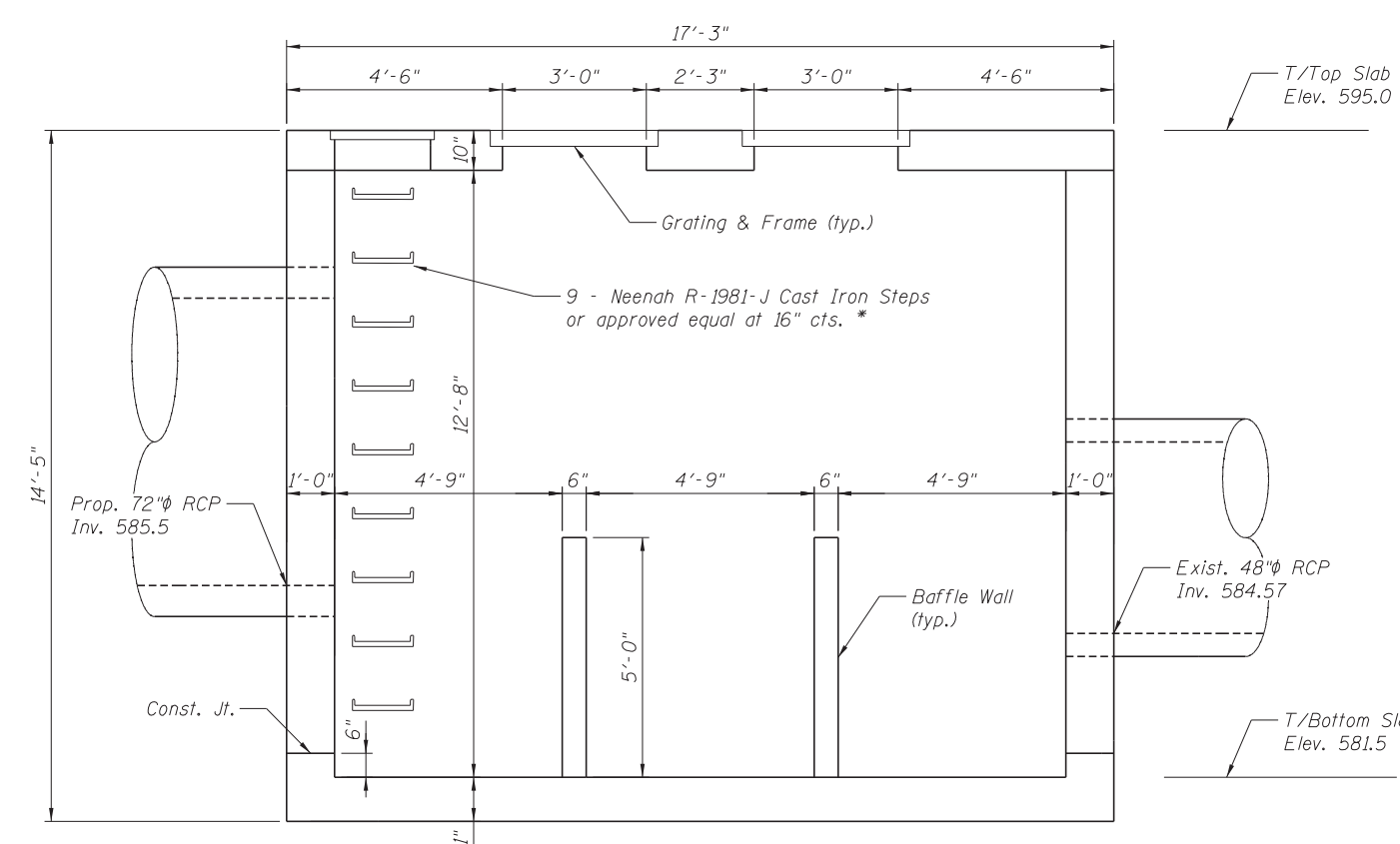


PLAN - GRATING PANEL
 (2 required *)

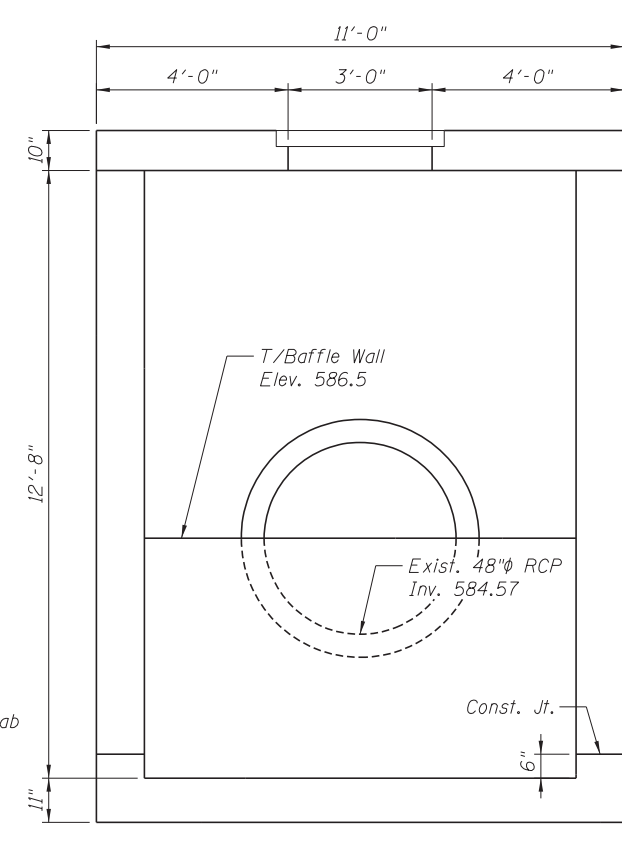


PLAN - GRATING FRAME
 (2 required *)

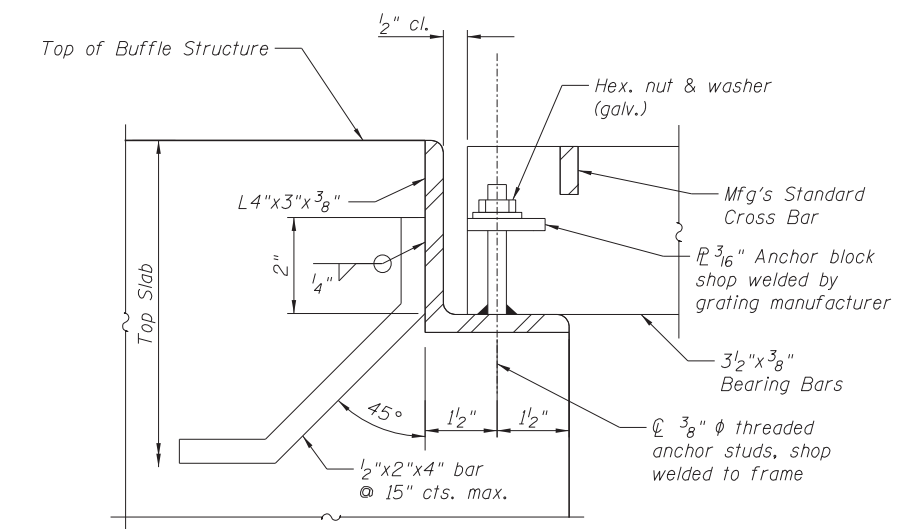
* Cost included in item "Concrete Box Culvert".



SECTION A-A



SECTION B-B



SECTION C-C

DESIGN STRESSES
 FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (M270 Grade 36)

DESIGN SPECIFICATIONS:
 AASHTO LRFD Bridge Design Specifications,
 7th Edition

GENERAL NOTES:
 Reinforcement bars shall be epoxy coated.
 Baffle Structure shall be constructed in accordance with the Standard Specifications.
 All existing pipe surfaces to abut new concrete shall be cleaned and roughened.
 Work is incidental to "Concrete Box Culvert".
 The cost of Grating, Frame, Manhole frame & lid and Cast Iron Steps is incidental to "Concrete Box Culvert".
 Steel Grating & Frame shall be according to Article 1006.04. All steel elements shall be galvanized according to Article 542.07(b)(2) of the Standard Specifications.

FILE NAME = W:\957-026 MPS-BLA IDOT ver WD-2 Sheridan\CADD\Sheets\Structure\Baffle Structure.dgn

Bollinger, Lach & Associates, Inc.
 ITASCA, ILLINOIS

USER NAME =	DESIGNED - NS	REVISED -
PLOT SCALE =	CHECKED - JJI	REVISED -
PLOT DATE = 5/12/2015	DRAWN - NS	REVISED -
	CHECKED - JJI	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

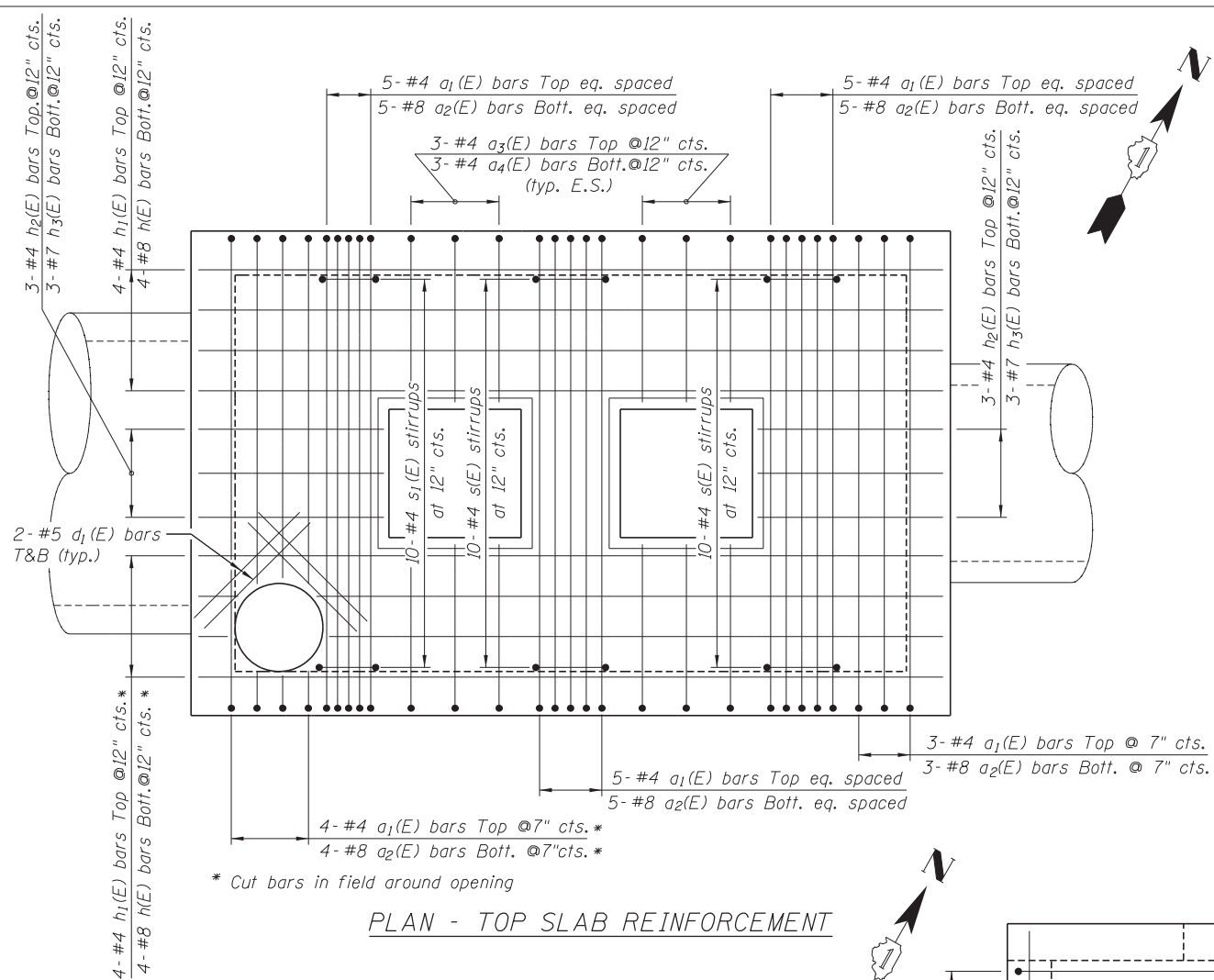
SHERIDAN RD (TOWER RD - SCOTT AVE)
BAFFLE STRUCTURE

SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	51
				60C48

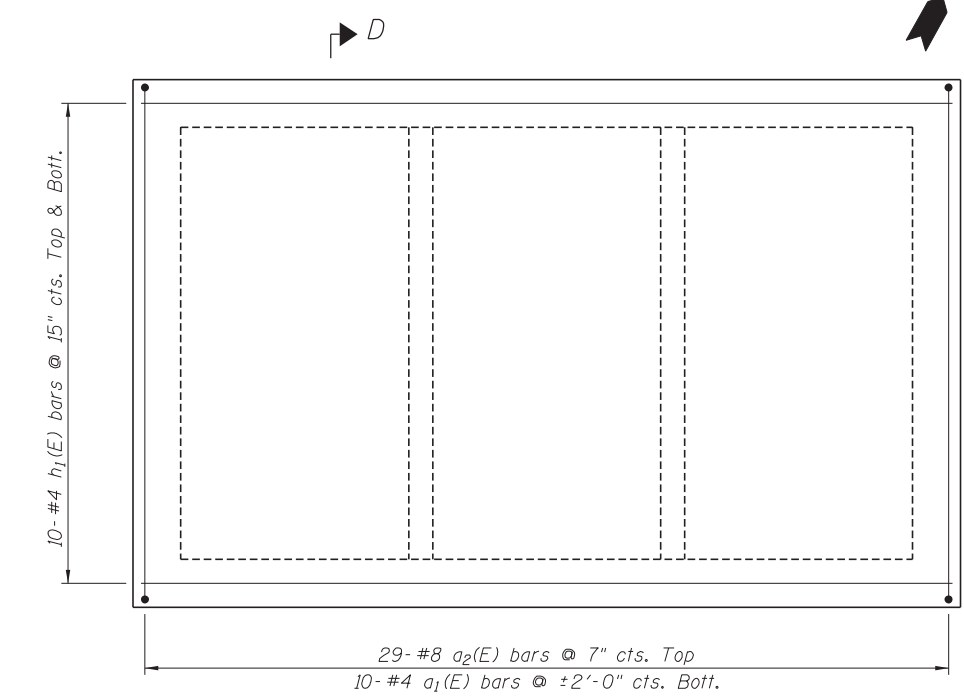
ILLINOIS FED. AID PROJECT

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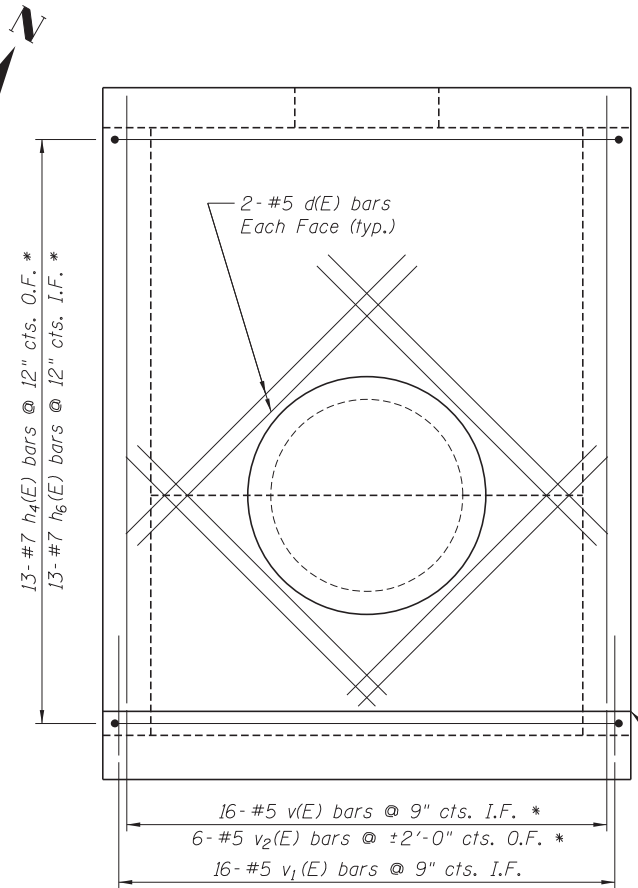


* Cut bars in field around opening

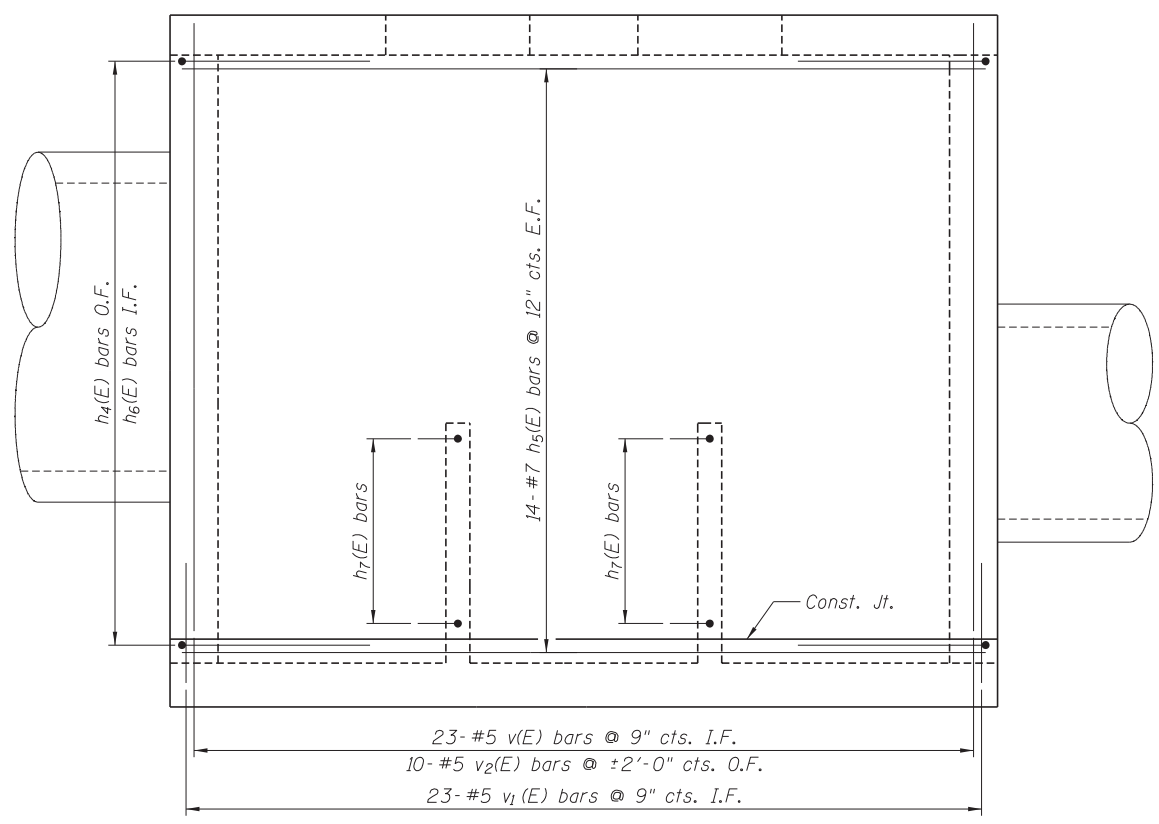
PLAN - TOP SLAB REINFORCEMENT



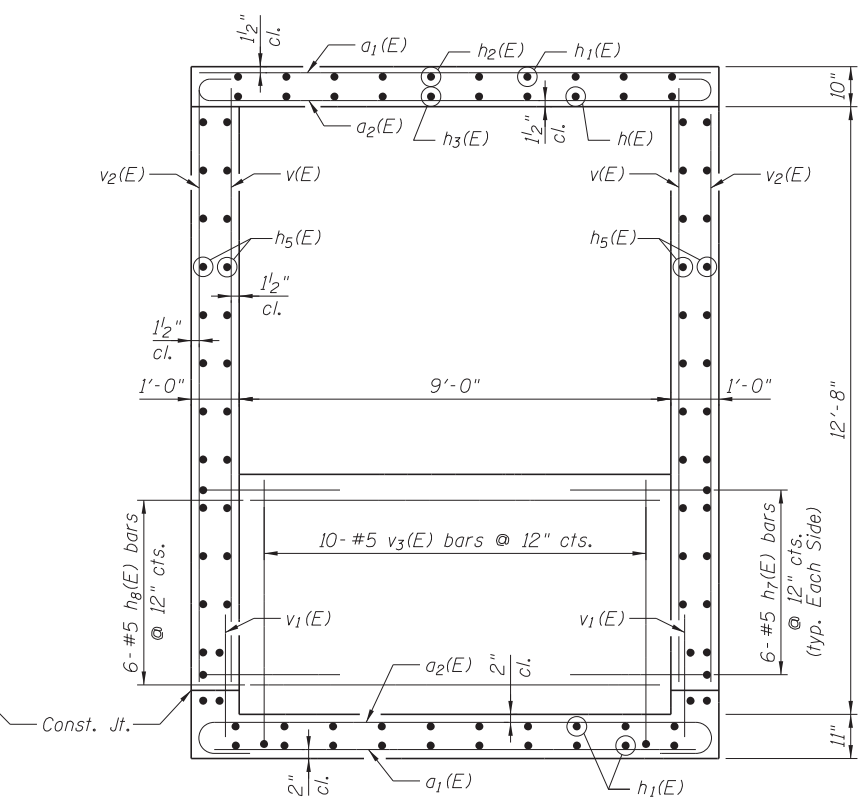
PLAN - BOTTOM SLAB REINFORCEMENT



SHORT WALL REINFORCEMENT



LONG WALL REINFORCEMENT

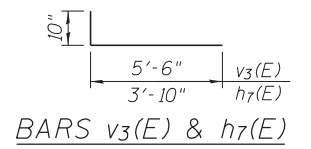


SECTION D-D

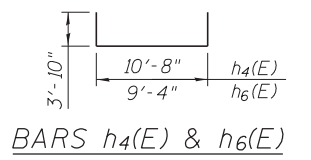
* Cut bars in field at pipe wall opening.

BILL OF MATERIAL

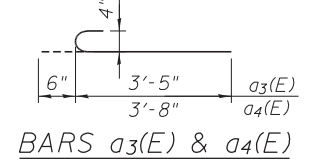
Bar	No.	Size	Length	Shape
a1(E)	32	#4	10'-8"	—
a2(E)	51	#8	12'-8"	—
a3(E)	12	#4	3'-11"	—
a4(E)	12	#4	4'-2"	—
d(E)	32	#5	8'-3"	—
d1(E)	8	#5	3'-6"	—
h(E)	8	#8	16'-11"	—
h1(E)	28	#4	16'-11"	—
h2(E)	6	#4	3'-11"	—
h3(E)	6	#7	4'-2"	—
h4(E)	26	#7	18'-4"	—
h5(E)	56	#7	16'-11"	—
h6(E)	26	#7	17'-0"	—
h7(E)	24	#5	4'-8"	—
h8(E)	12	#5	10'-8"	—
s(E)	20	#4	4'-11"	—
s1(E)	10	#4	4'-5"	—
v(E)	78	#5	12'-10"	—
v1(E)	78	#5	2'-5"	—
v2(E)	32	#5	11'-10"	—
v3(E)	20	#5	6'-4"	—
Structure Excavation			Cu. Yd.	171
Trench Backfill			Cu. Yd.	65
Concrete Box Culvert			Cu. Yd.	36.0
Reinforcement Bars, Epoxy Coated			Pound	9000



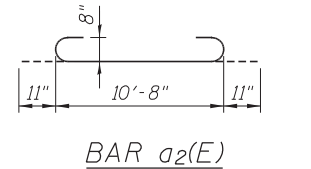
BARS v3(E) & h7(E)



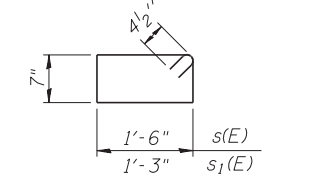
BARS h4(E) & h6(E)



BARS a3(E) & a4(E)



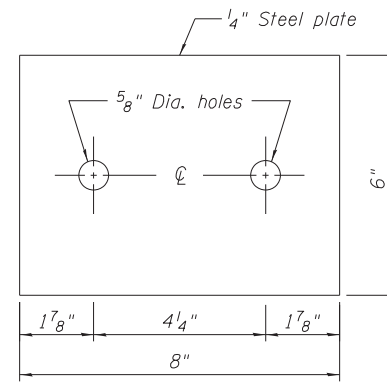
BAR a2(E)



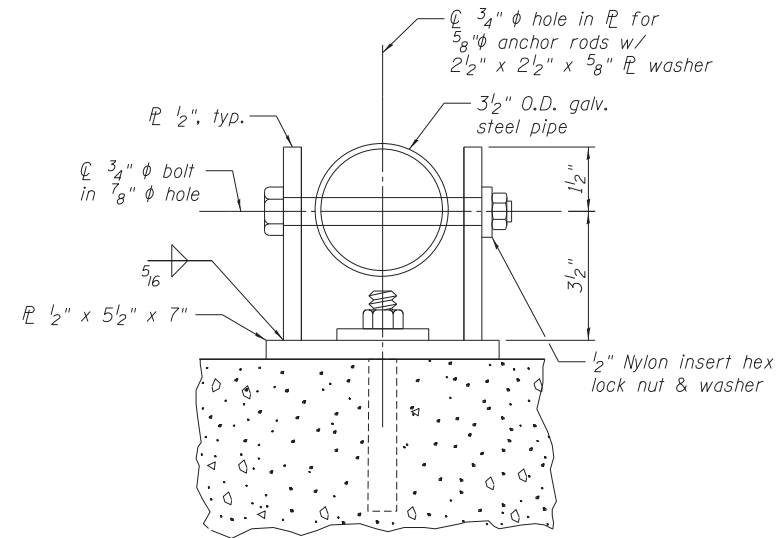
BARS s(E) & s1(E)

GENERAL NOTES:

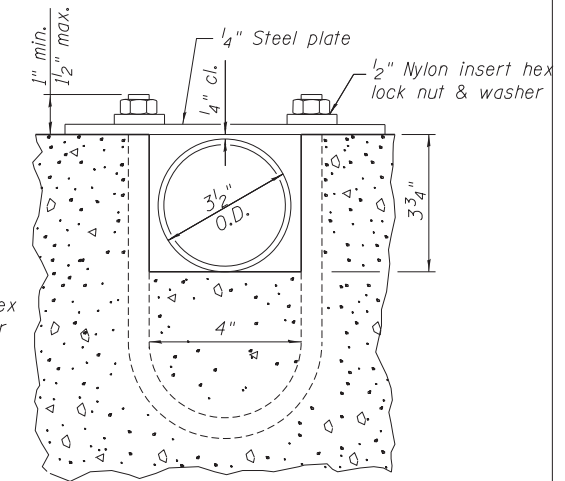
1. Precast Concrete Junction Chamber shall be constructed in accordance with the Special Provision "Precast Concrete Junction Chamber" and the Standard Specifications.
2. Appropriate sizing and location of lifting inserts shall be the responsibility of the Contractor to assure balanced handling during installation of the Precast Concrete Junction Chamber.
3. The Contractor is to patch all lifting insert holes and place a minimum of one (1) inch of cover over the hardware of these devices on both top and bottom surfaces.
4. All existing pipe surfaces to abut new concrete shall be cleaned and roughened. Work is incidental to "Precast Concrete Junction Chamber".
5. The cost of Galvanized Steel Pipe, anchor bolts and plates, and Cast Iron Steps is incidental to "Precast Concrete Junction Chamber".
6. All components of Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.
7. It shall be at all times the Contractor's responsibility to prevent the flow in existing storm sewer from entering the construction site.
8. It is the Contractor's responsibility to salvage and re-build portions of existing stone wall that must be temporarily removed during Precast Concrete Junction Chamber installation. Prior to removal of existing stone wall, Contractor shall survey existing condition and submit survey data to the Engineer. Removed stones must be cleaned of mortar and other materials before rebuilding the wall. The wall shall be rebuilt using suitable mortar, to the satisfaction of the Engineer. Cost of removal, salvaging and rebuilding the existing stone wall is incidental to "Precast Concrete Junction Chamber".
9. Replace existing 36"φ RCP with 36"φ DIP. Connect new and existing pipe using mission coupler. Encase connection in concrete, 6" thick, full width of mission coupler. Install new 36"φ DIP with 5° longitudinal slope down in addition to existing slope. Cost of pipe removal and replacement is incidental to "Precast Concrete Junction Chamber".
10. The cost of adjustment of existing pipes and connection to proposed structure is incidental to "Precast Concrete Junction Chamber".
11. Temporary Soil Retention System shown on the plan is conceptual. Contractor shall determine layout and prepare and submit plans to the Engineer for approval. Method of measurement shall be according to the Special Provision for Temporary Soil Retention System.
12. All steel pipes shall be standard weight (Sch. 40) unless otherwise noted.
13. Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B.
14. Anchor rods shall conform to the requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications. Chemical adhesive system shall be capable of achieving a minimum proof load of 5000 pounds and an ultimate shear capacity of 8000 pounds per anchor.
15. Bolts and thru bolts shall conform to the requirement of Article 1006.08 of the Standard Specifications except threaded rods conforming to the requirements of ASTM F1554, Grade 105 may be used for the thru bolts.



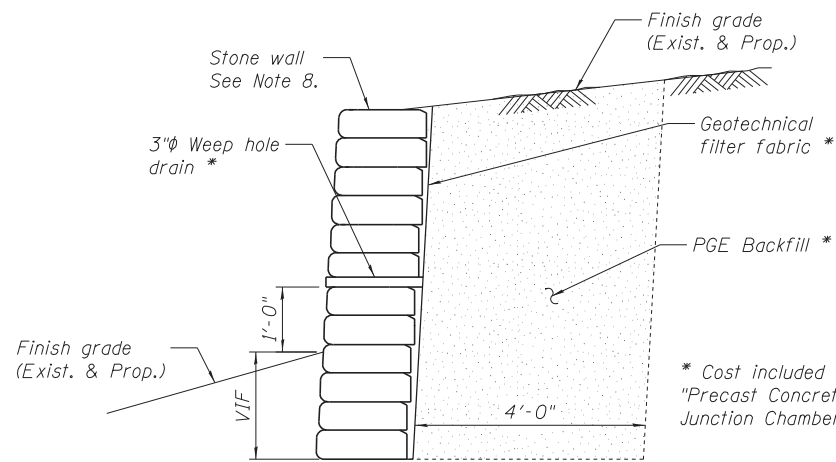
TOP ANCHOR PLATE
(5 - required)



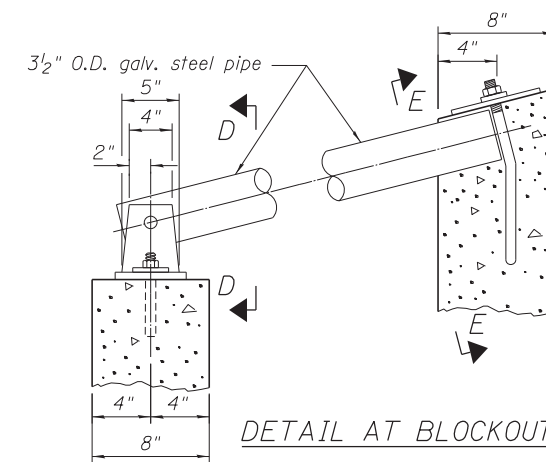
SECTION D-D



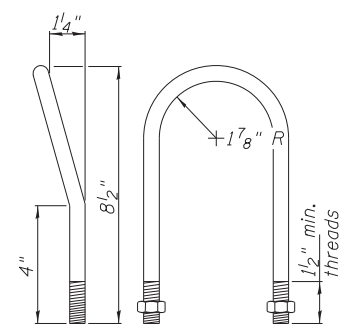
SECTION E-E



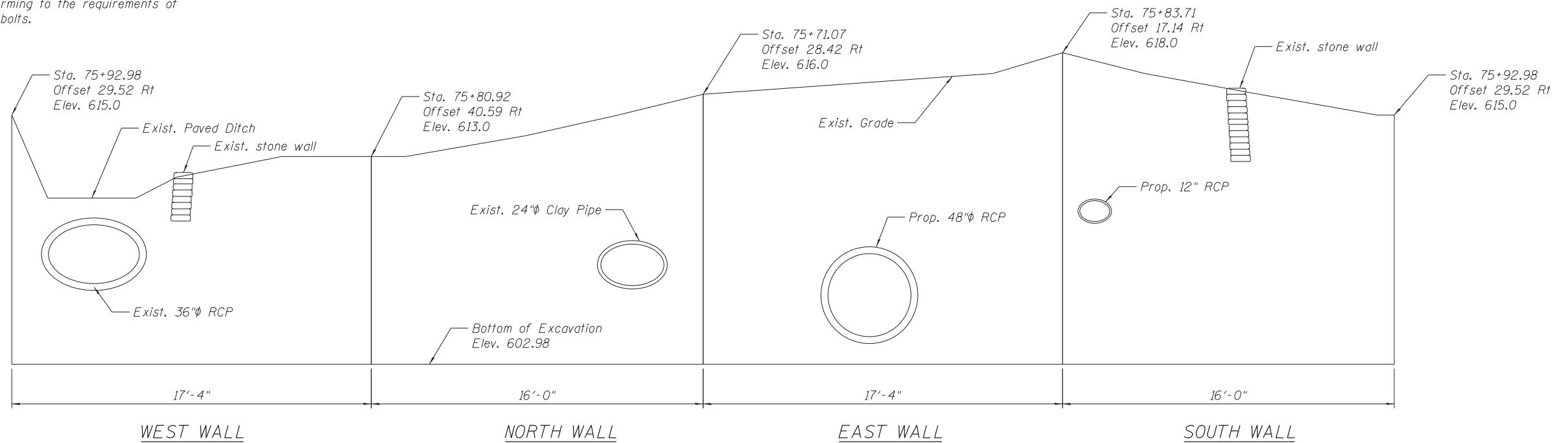
SECTION C-C



DETAIL AT BLOCKOUT



1/2" U BOLT
(5 - required)



TEMPORARY SOIL RETENTION SYSTEM - UNFOLDED VIEW

FILE NAME = W:\97-026 MPS-BLA IDOT ver MD-2 Sheridan\CAD\Drawings\Structure\junction_structure.dgn



USER NAME =	DESIGNED - NS	REVISED -
PLOT SCALE =	CHECKED - JJI	REVISED -
PLOT DATE = 5/12/2015	DRAWN - NS	REVISED -
	CHECKED - JJI	REVISED -

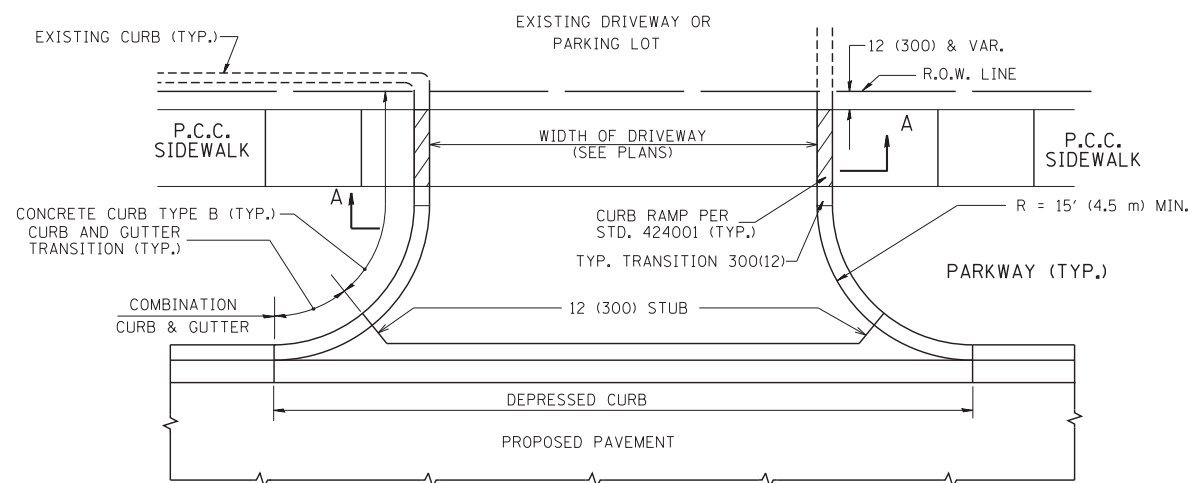
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHERIDAN RD (TOWER RD - SCOTT AVE)
PRECAST CONCRETE JUNCTION CHAMBER

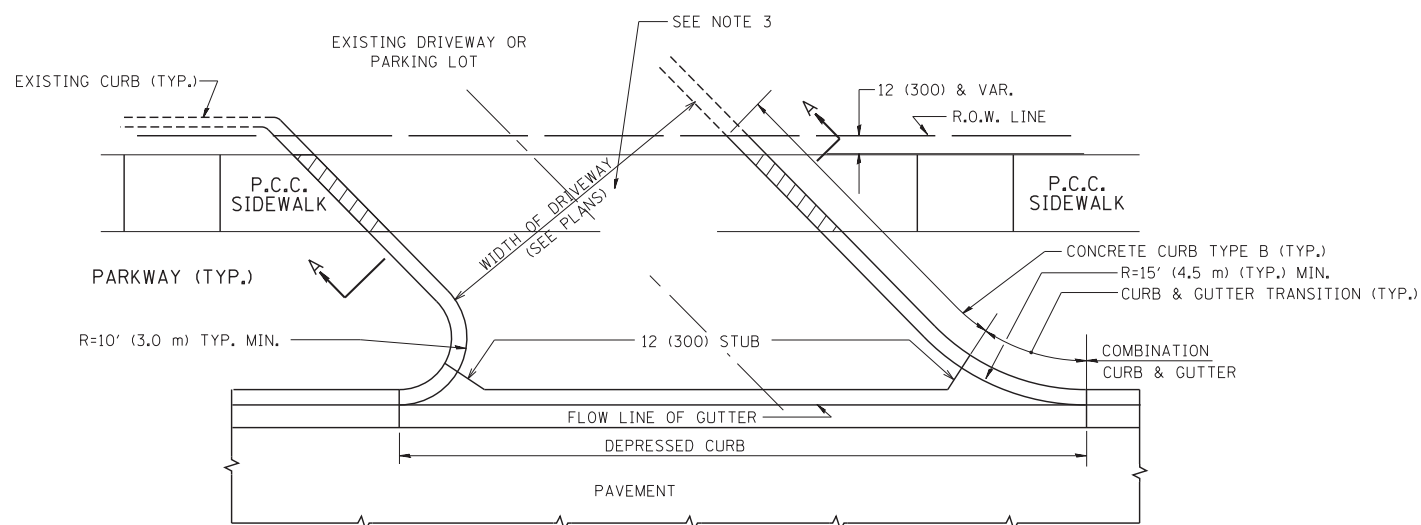
SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	54
60G48				

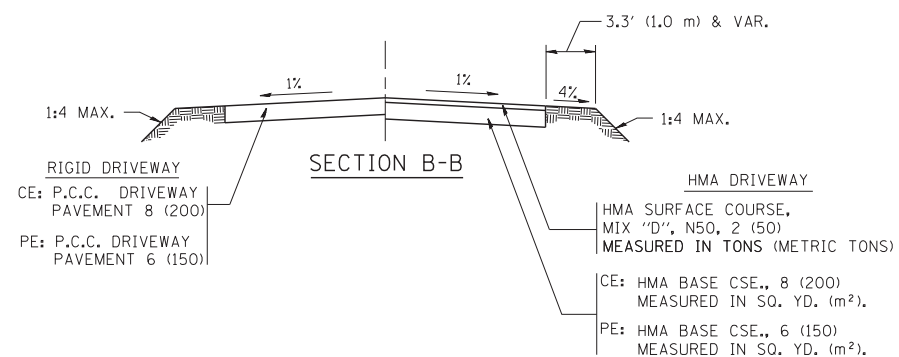
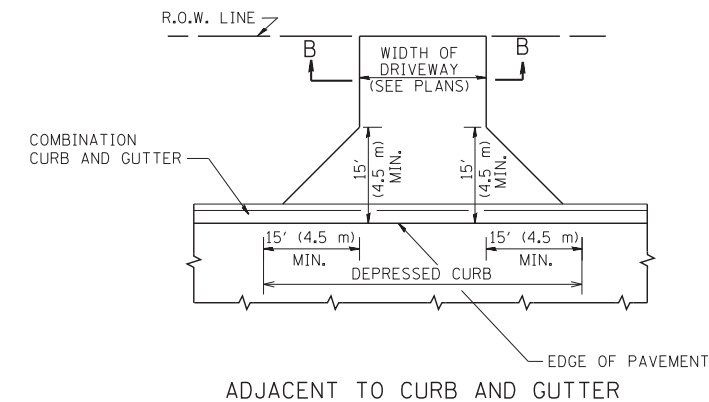
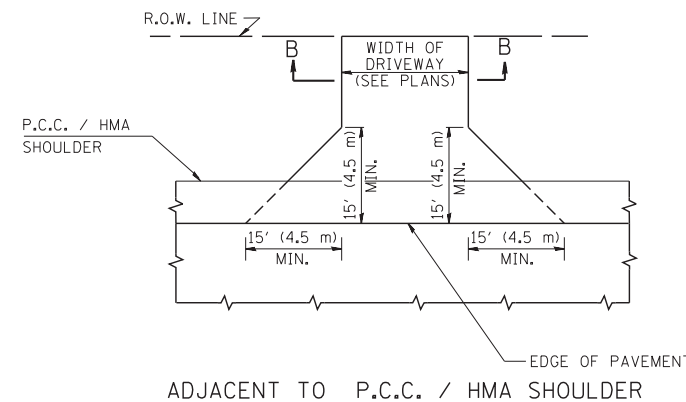
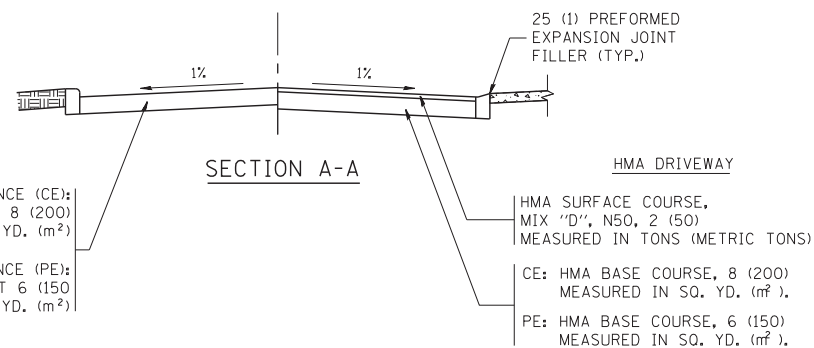
ILLINOIS FED. AID PROJECT



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)
HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)
AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

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

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

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

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

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

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

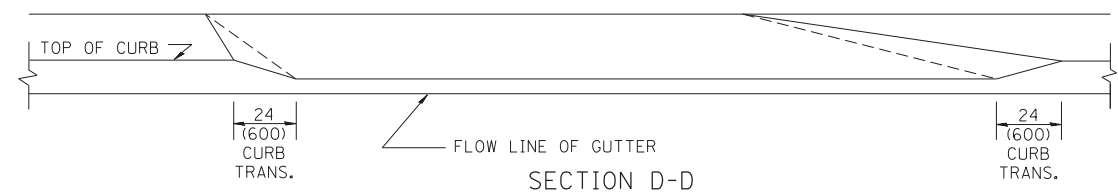
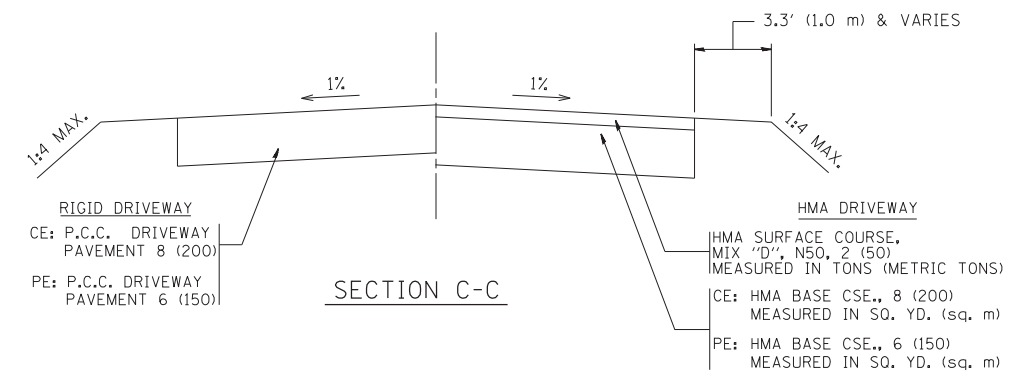
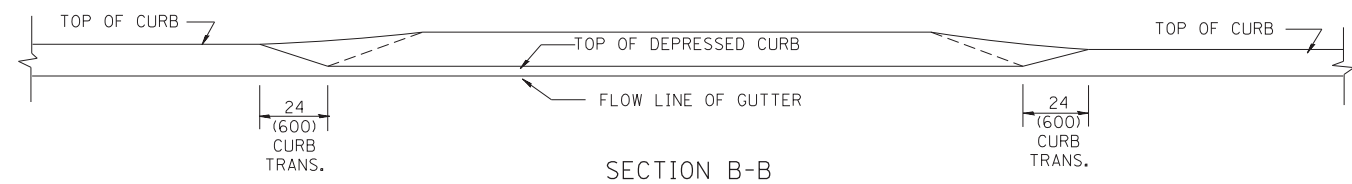
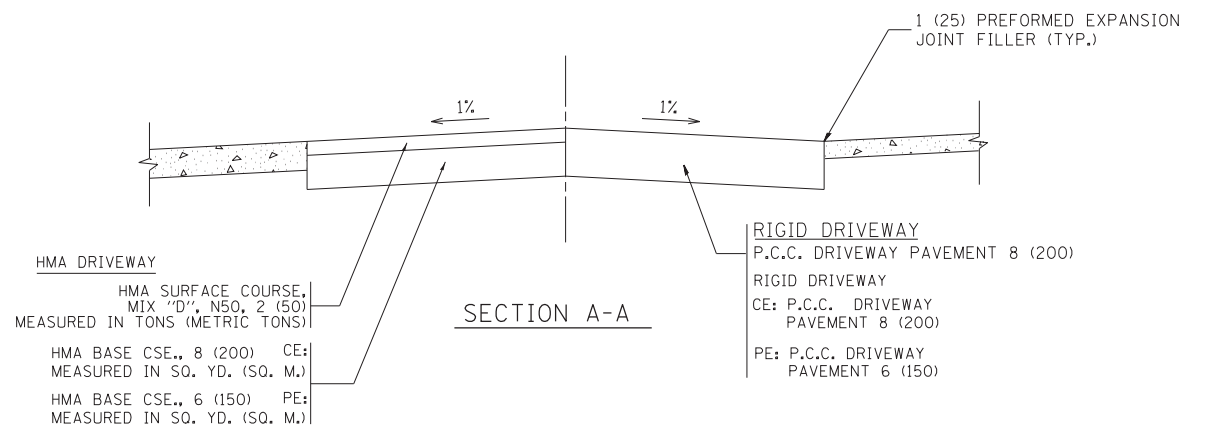
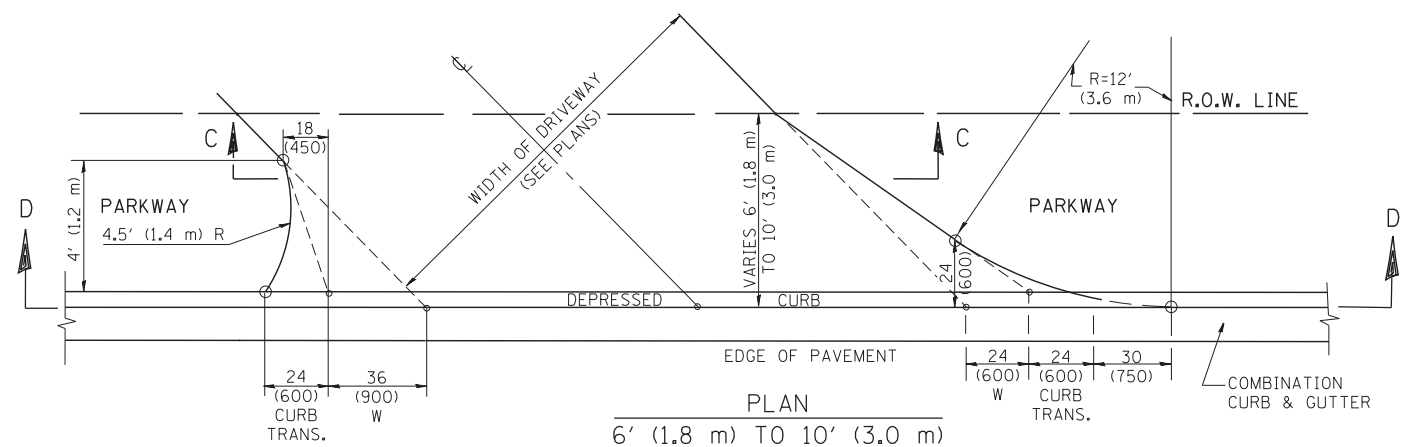
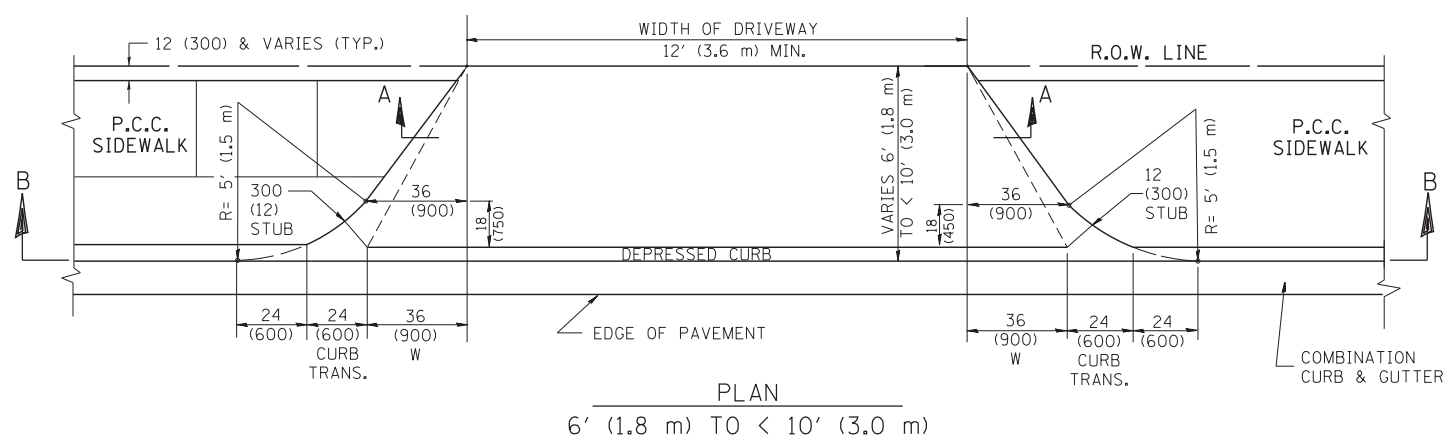
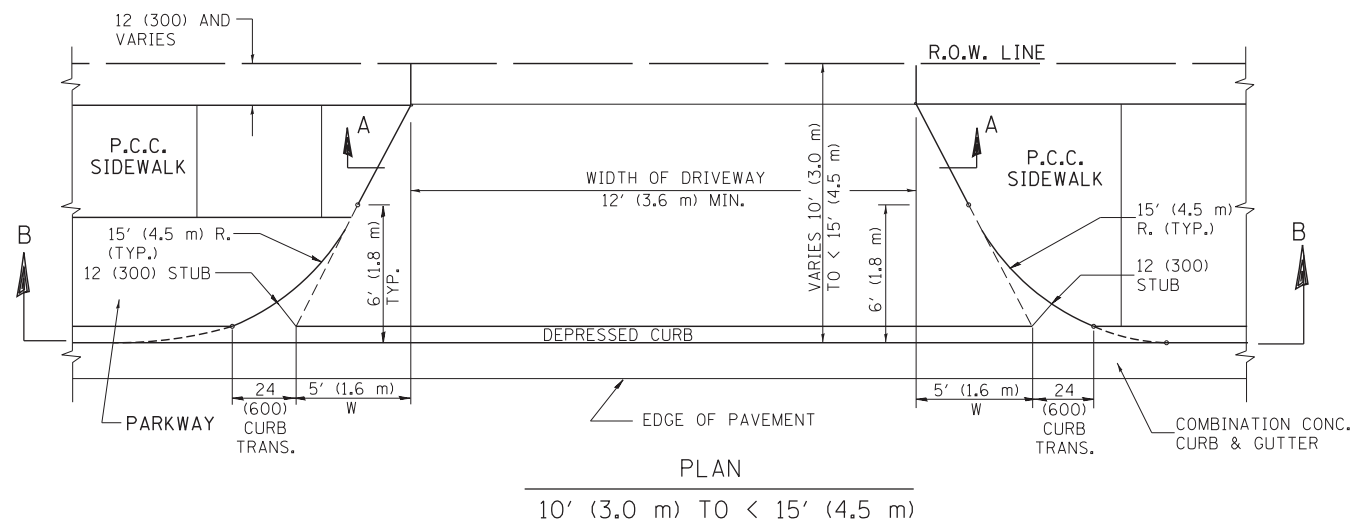
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	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	55
BD0156-07 (BD-01)		CONTRACT NO. 60G48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

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

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

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

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

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

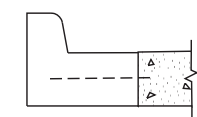
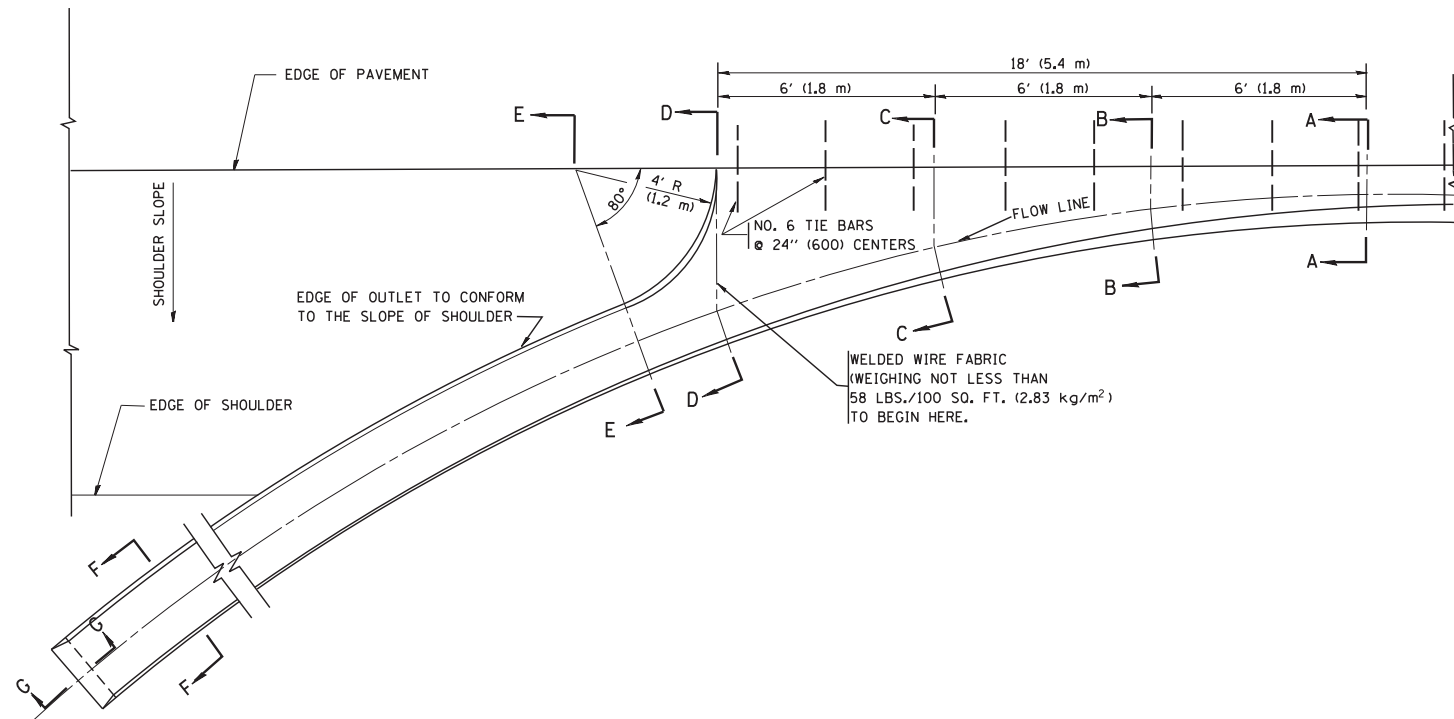
"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

FILE NAME =	USER NAME = l1eyso	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
ct:\pw\work\p1dot\1eyso\d0108315\bd02.dgn		DRAWN -	REVISED - P. LOFLEUR 04-15-03
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

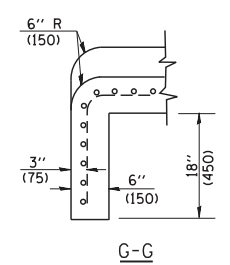
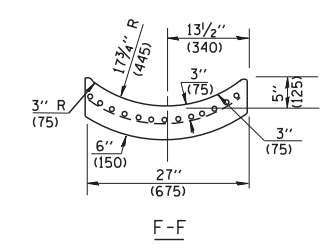
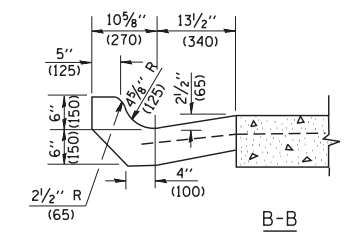
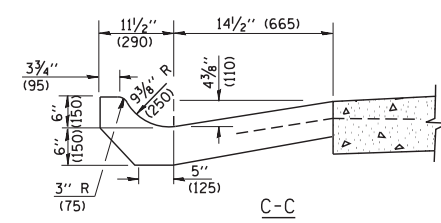
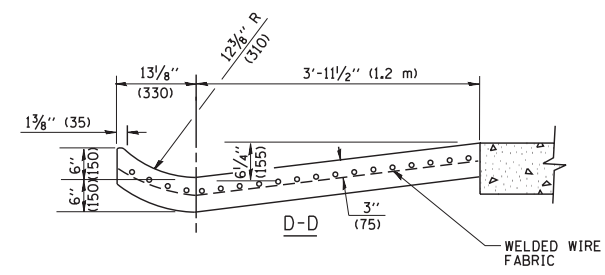
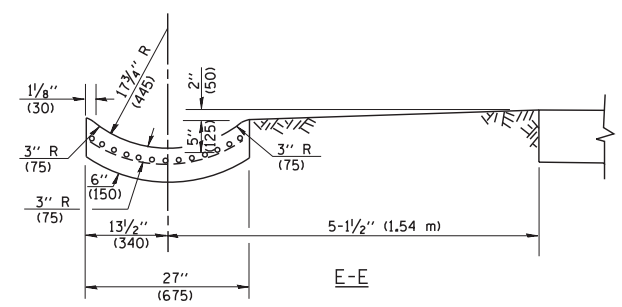
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)		3509	(112 & 112X) RS-6	COOK	83	56
SCALE: NONE		BD400-02 (BD-02)		CONTRACT NO. 60G48		
SHEET NO. 1 OF 1 SHEETS		FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\"/>

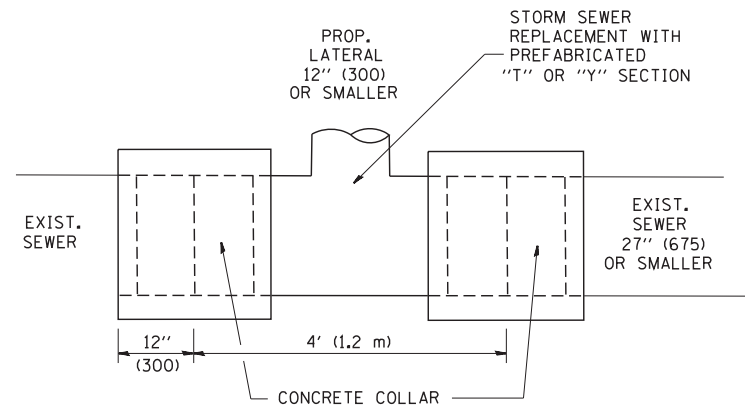
IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6\"/>

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 1.25 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 9\"/>

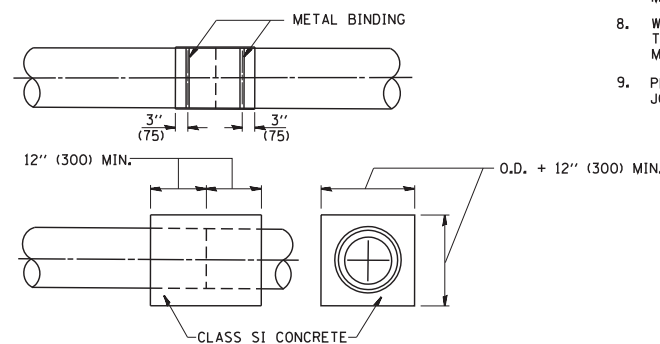
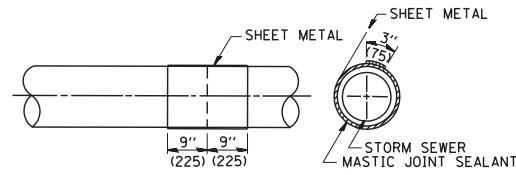
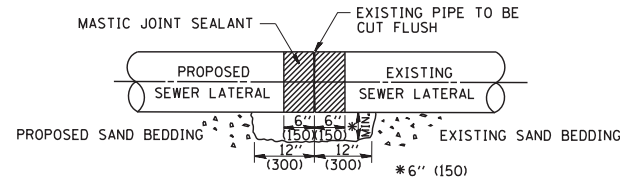
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd03.dgn	USER NAME = gaglionobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OUTLET FOR CONCRETE CURB AND GUTTER			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94					3509	(112 & 112X) RS-6	COOK	83	57
	PLOT DATE = 1/4/2008	DATE - 08-04-86	REVISED - E. GOMEZ 12-21-00					BD600-01 (BD-03)		CONTRACT NO. 60G48		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



DETAIL "A"

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

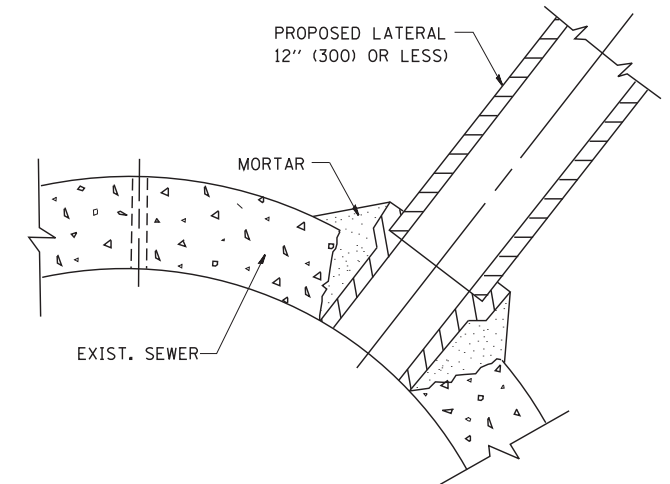


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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



DETAIL "C"

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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

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

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

BASIS OF PAYMENT

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

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

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

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

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

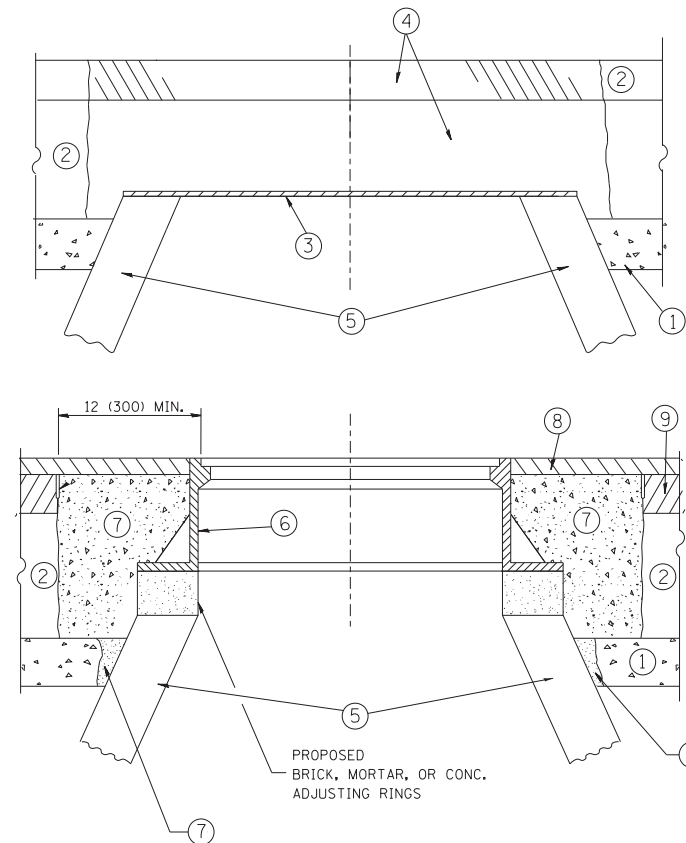
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	58
BD500-01 (BD-7)		CONTRACT NO. 60G48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

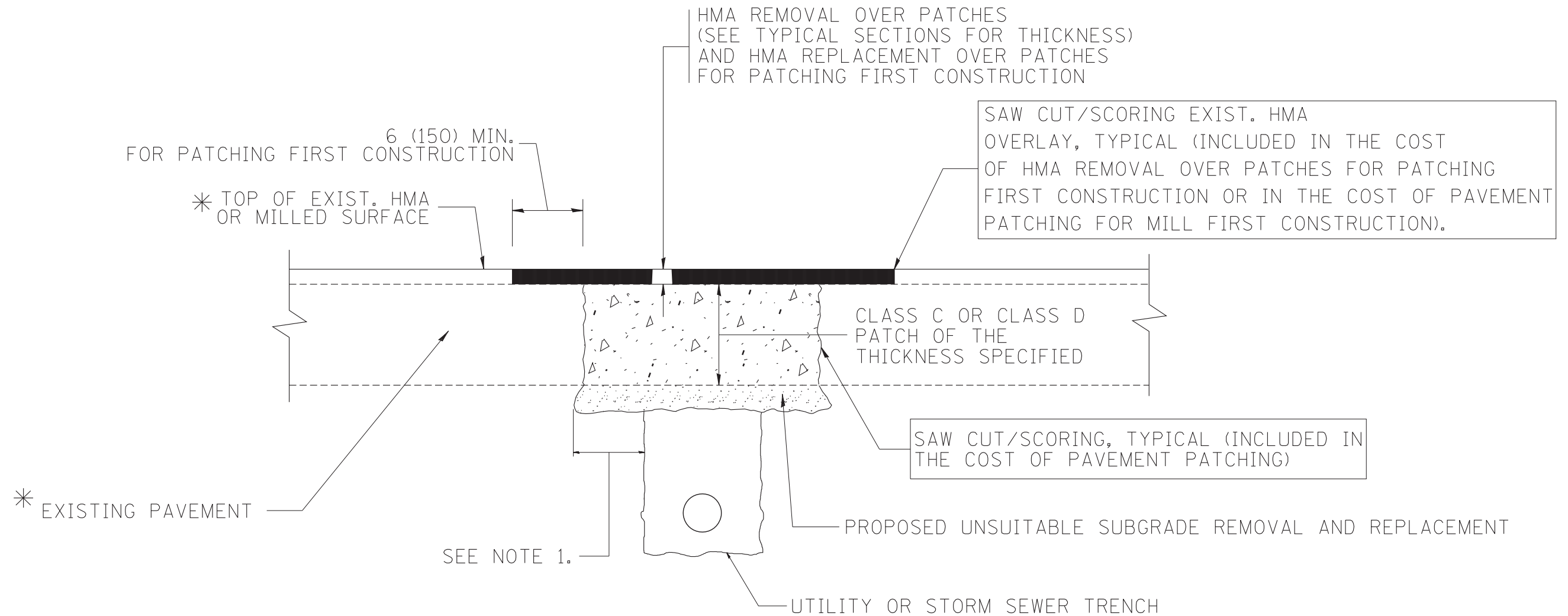
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	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	59
BD600-03 (BD-8)		CONTRACT NO.	60G48	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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		DRAWN -	REVISED - R. BORO 01-01-07
		PLOT SCALE = 50.000' / IN.	REVISED - R. BORO 09-04-07
		PLOT DATE = 10/27/2008	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	60
BD400-04 (BD-22)			CONTRACT NO. 60G48	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

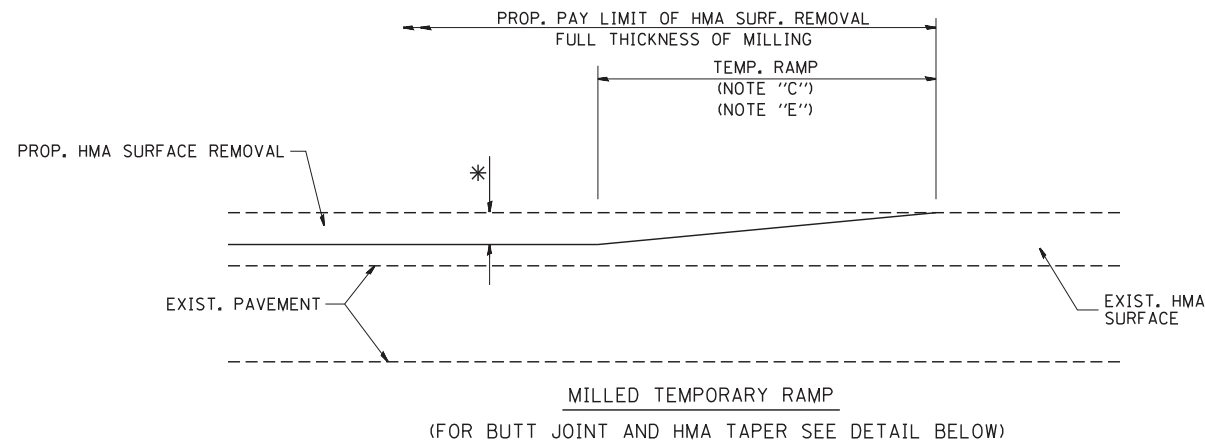
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

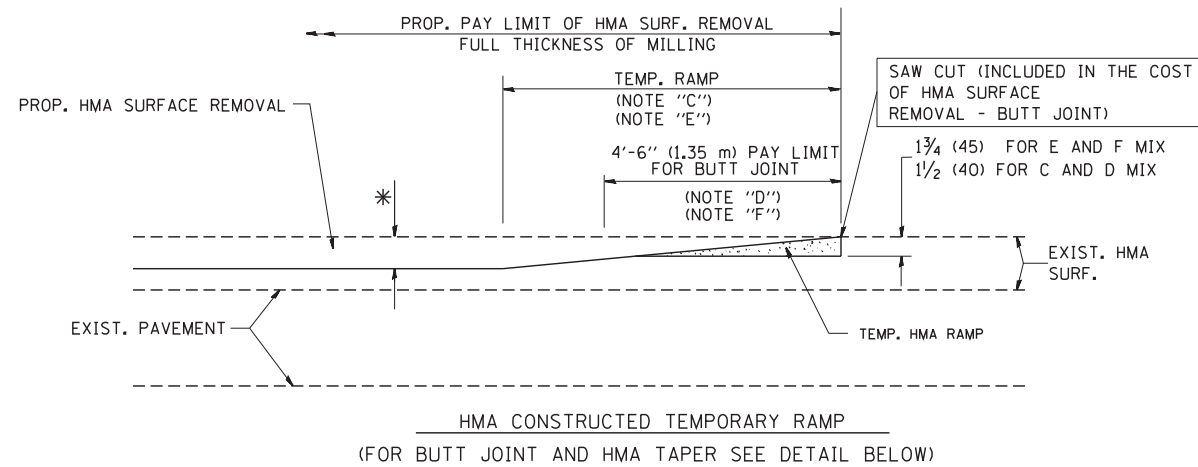
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	REVISED - R. BORO 12-15-09			BD600-06 (BD-24)		CONTRACT NO. 60G48			
PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

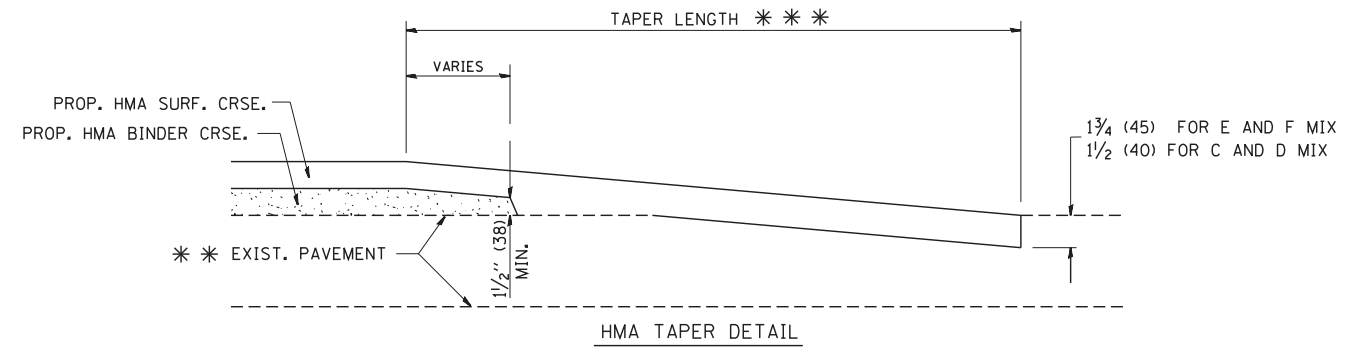
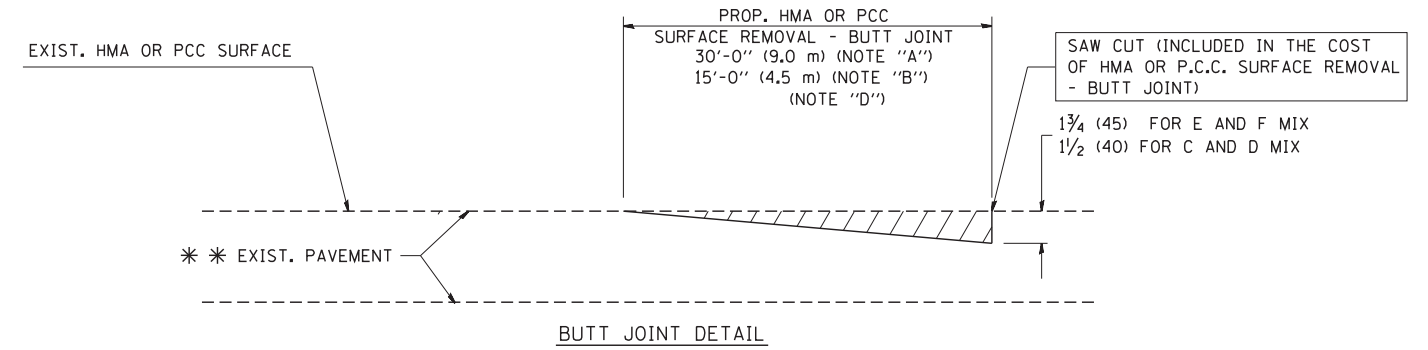


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

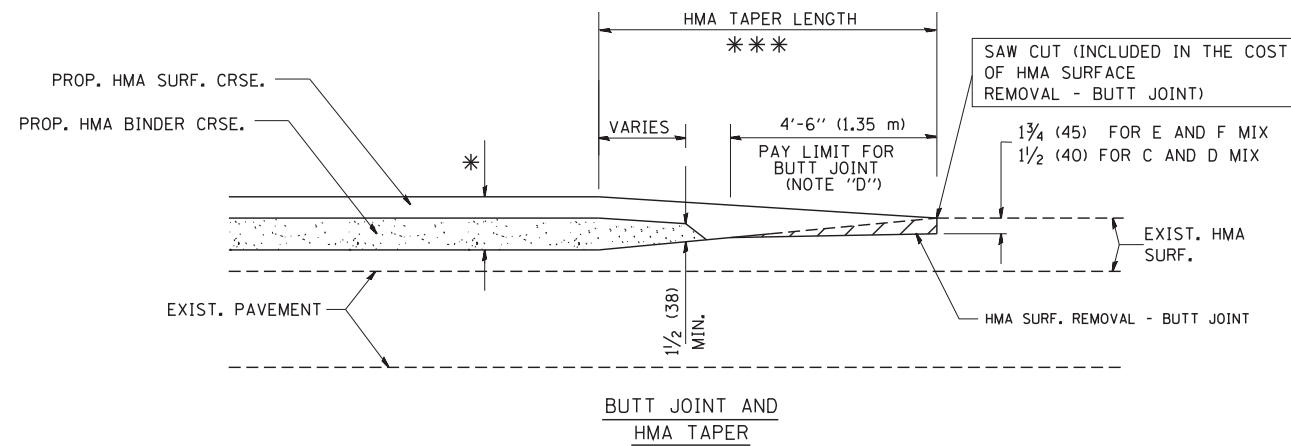
NOTES

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

BASIS OF PAYMENT:

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

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME = W:\diststd\22x34\bd32.dgn

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PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 06-13-90

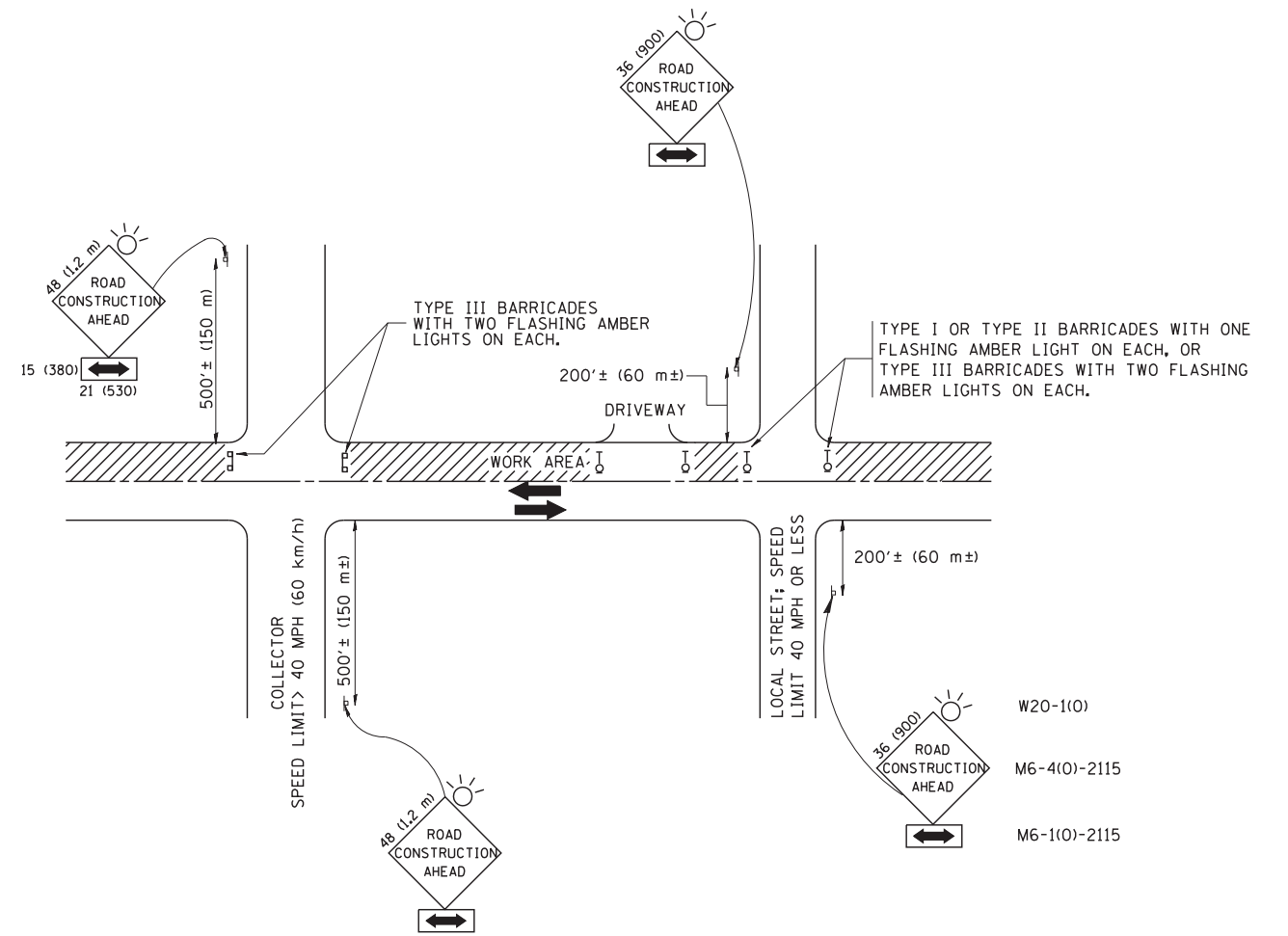
REVISED - R. SHAH 10-25-94
REVISED - A. ABBAS 03-21-97
REVISED - M. GOMEZ 04-06-01
REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	62
BD400-05 BD32		CONTRACT NO. 60G48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

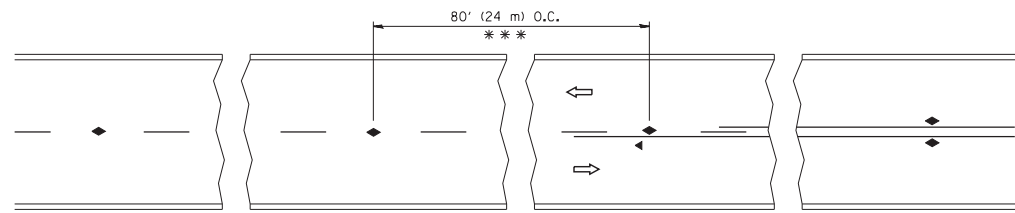
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	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACH 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

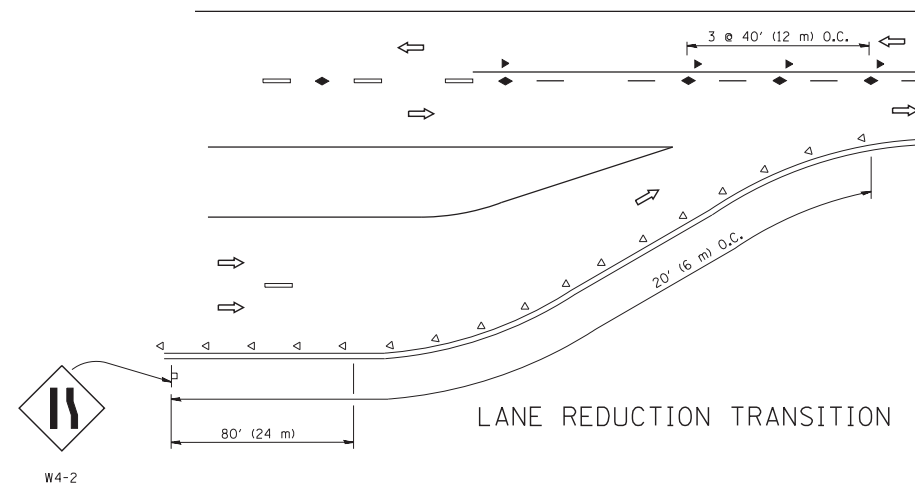
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F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO. 60G48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

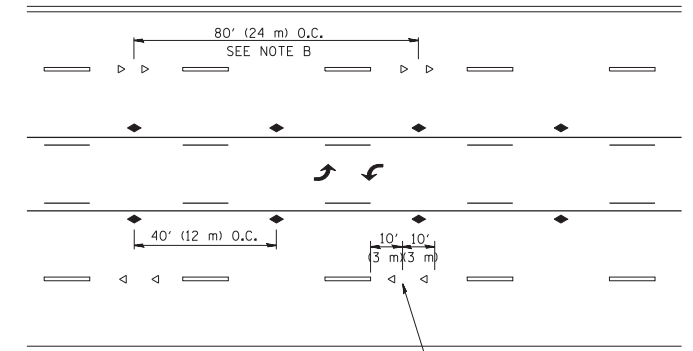


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

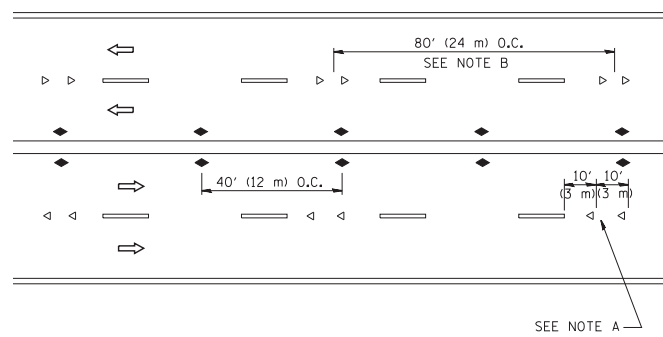
TWO-LANE/TWO-WAY



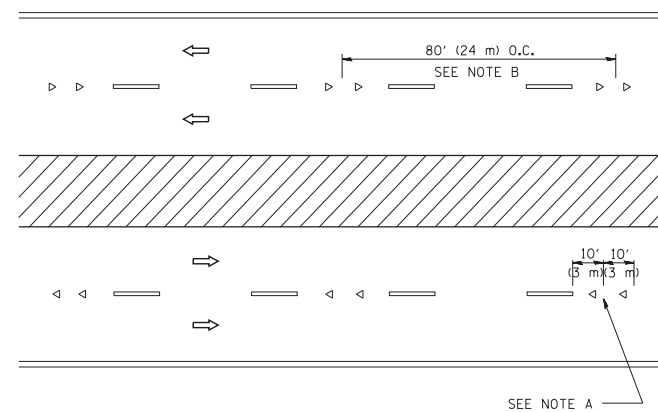
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

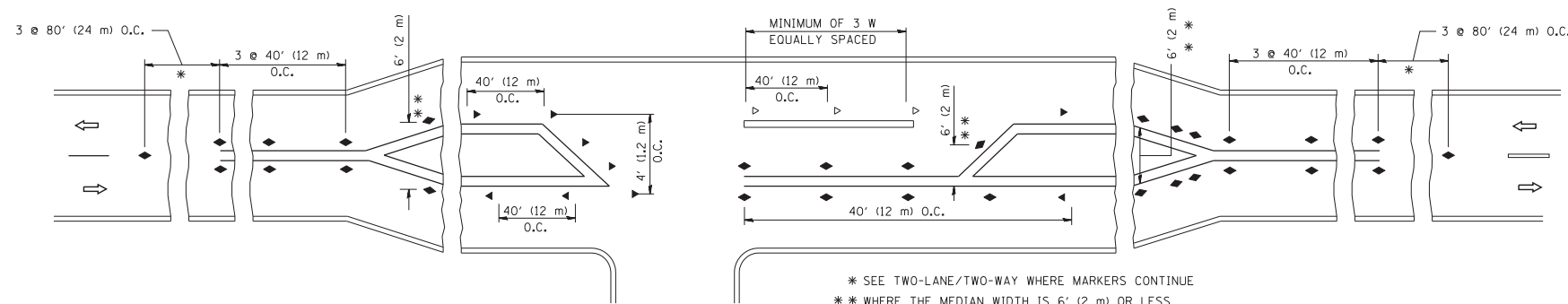
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



LEFT TURN

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

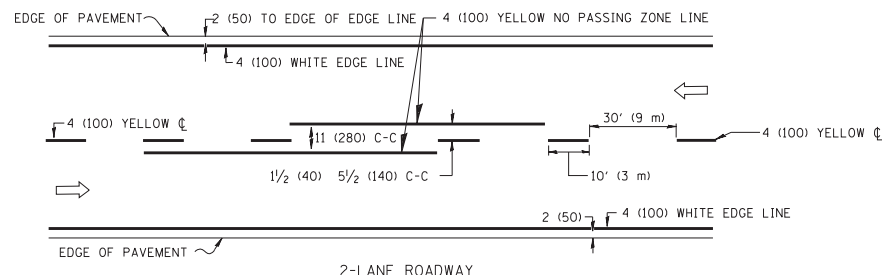
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

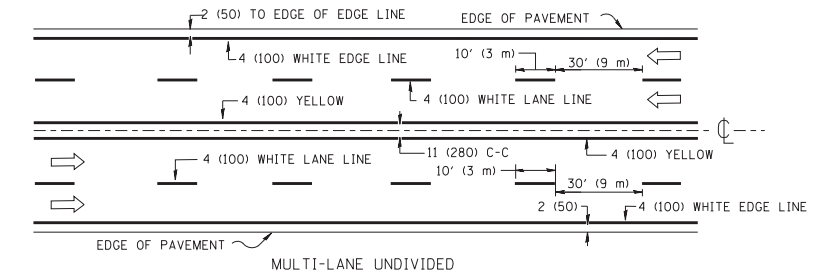
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

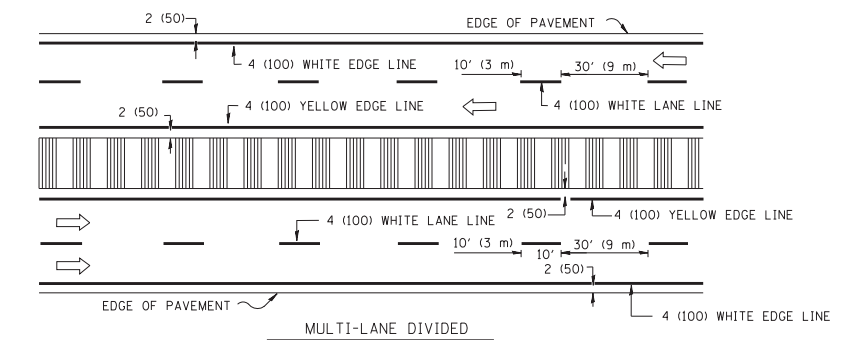
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	64
TC-11		CONTRACT NO. 60G48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



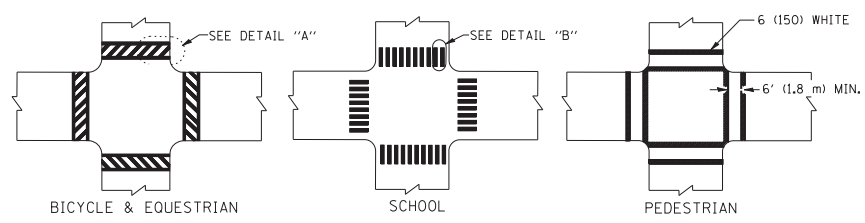
MULTI-LANE UNDIVIDED



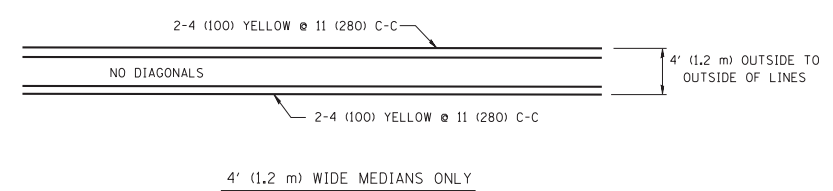
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

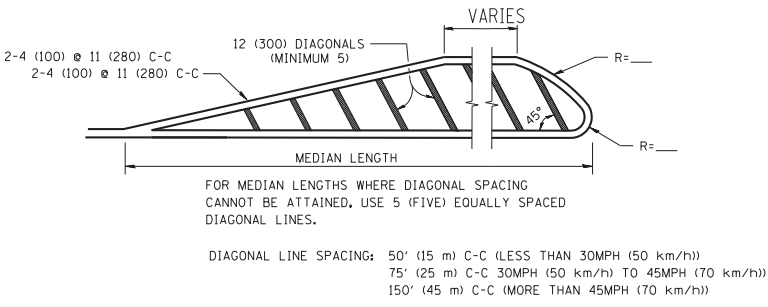
TYPICAL LANE AND EDGE LINE MARKING



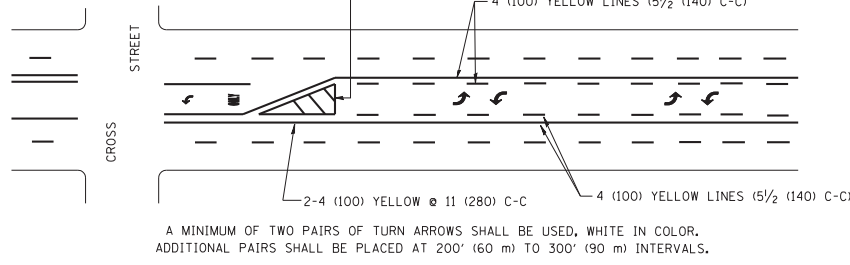
TYPICAL CROSSWALK MARKING



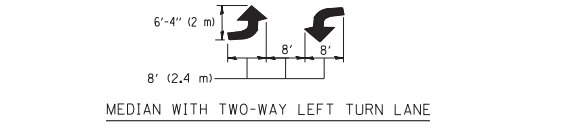
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



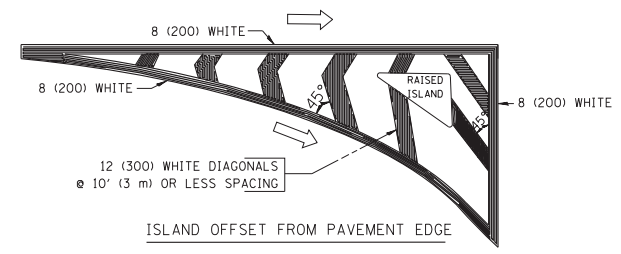
TYPICAL PAINTED MEDIAN MARKING



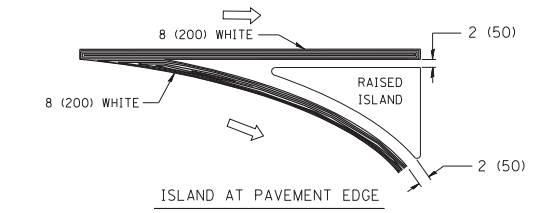
TYPICAL LEFT (OR RIGHT) TURN LANE

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

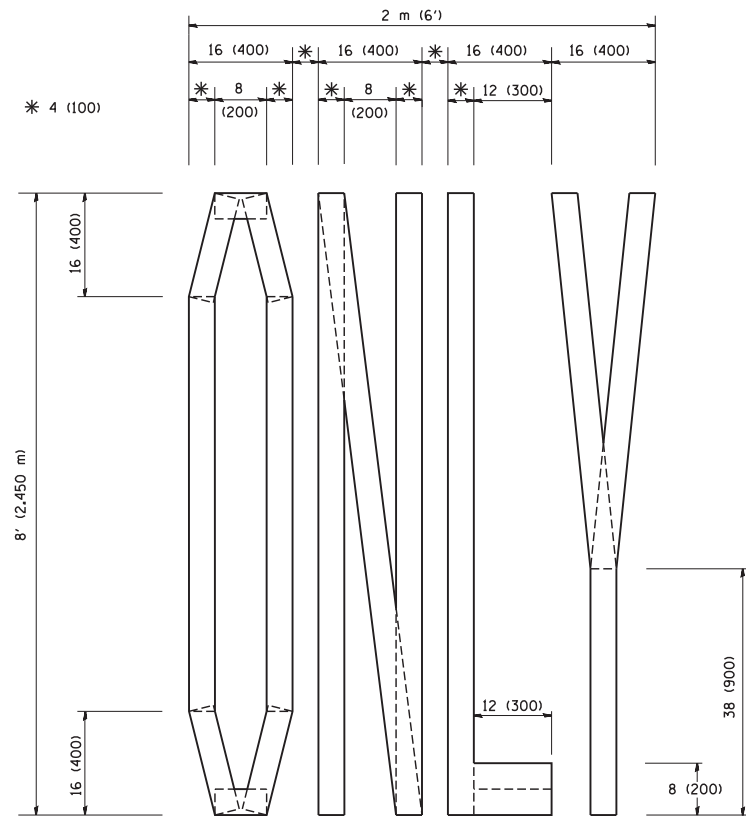
All dimensions are in inches (millimeters) unless otherwise shown.

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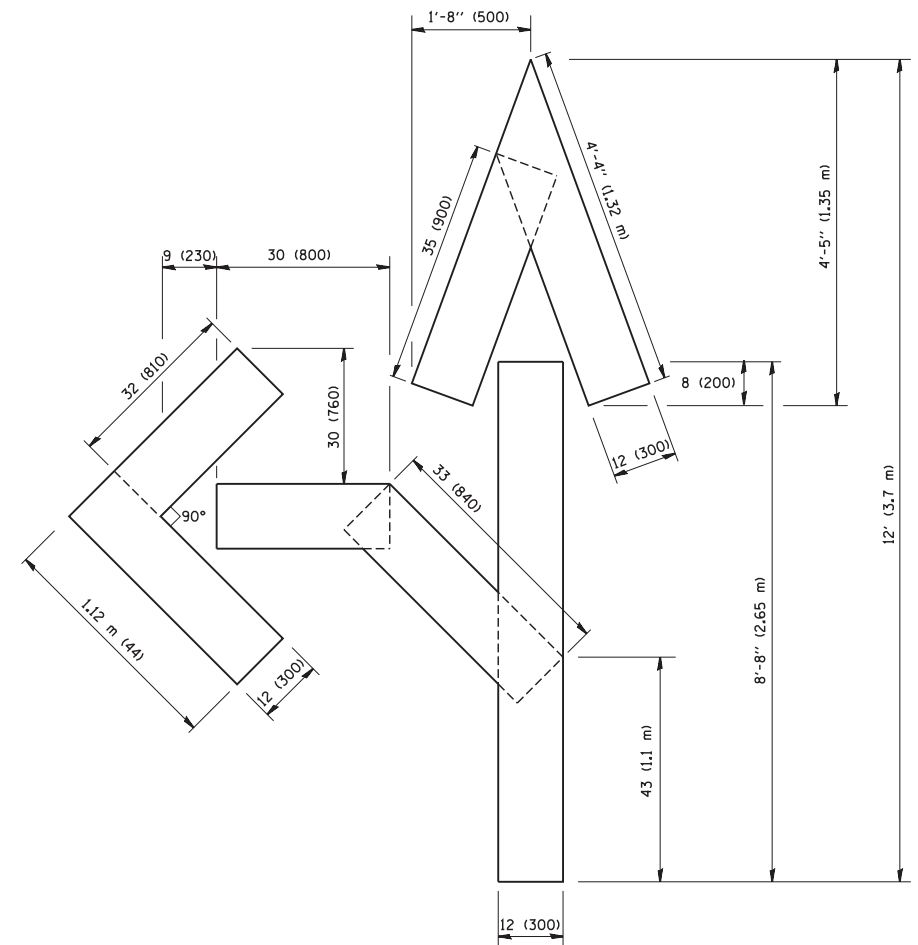
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

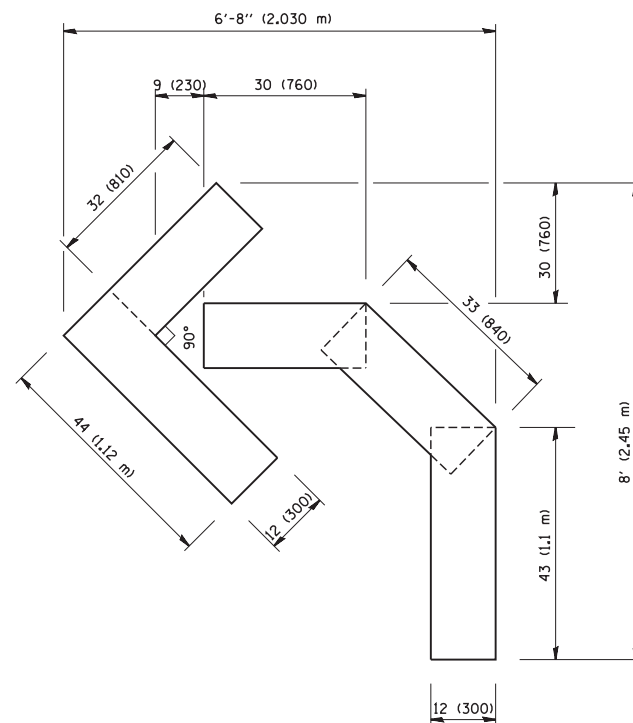
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	65
TC-13		CONTRACT NO. 60G48		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

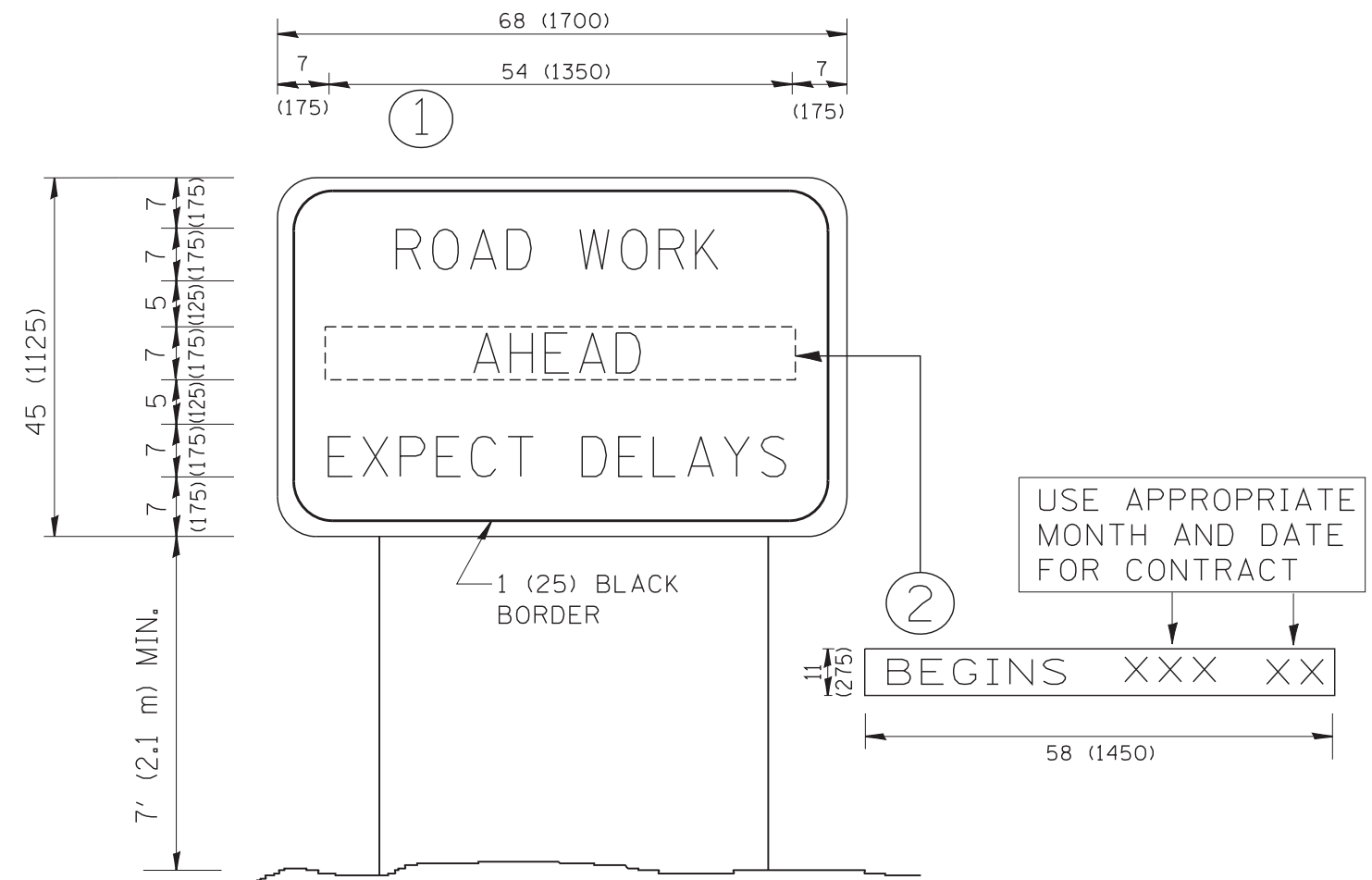
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) RS-6	COOK	83	66
TC-16			CONTRACT NO. 60G48	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISED - REVISED -
		DESIGNED - CHECKED -	REVISED - REVISED -
		DESIGNED - DATE -	REVISED - REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

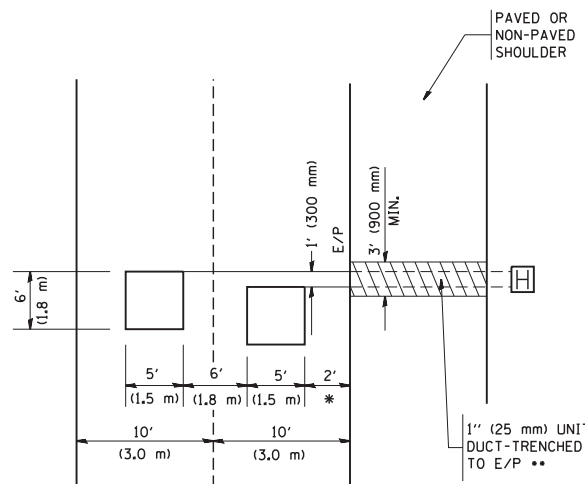
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.J. RTE. 3509	SECTION (112 & 112X) RS-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 67
TC-22			CONTRACT NO. 60G48	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

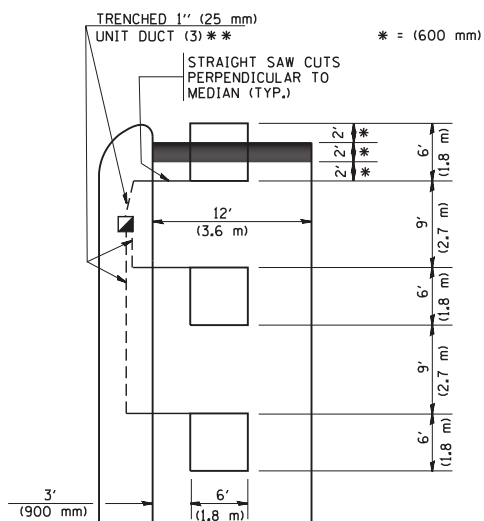


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

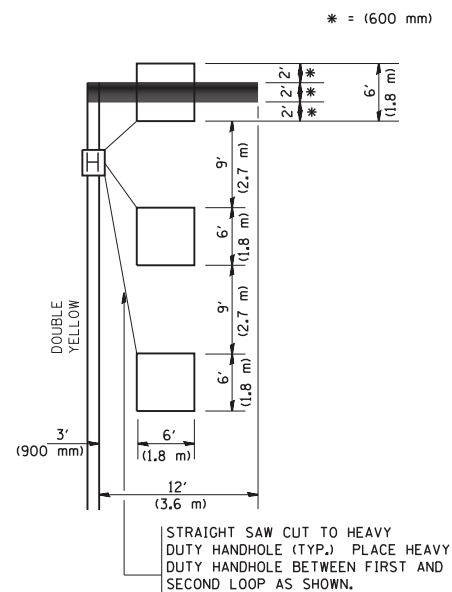
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

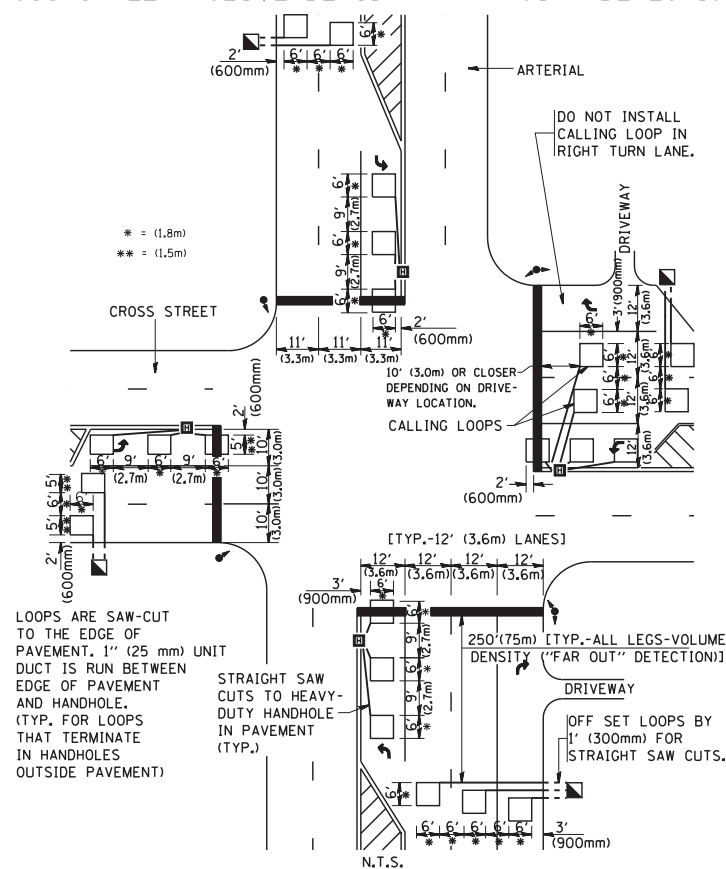
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**



NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**

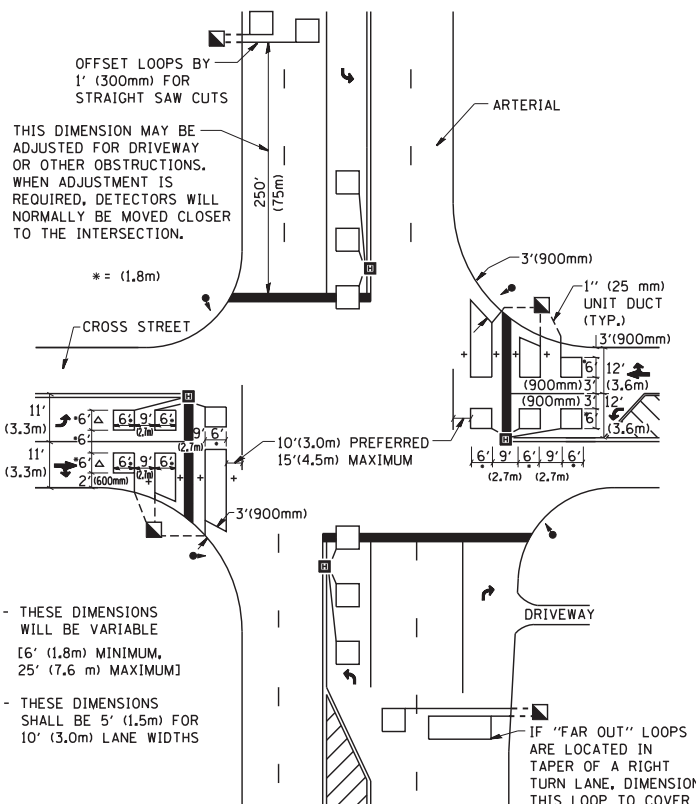


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

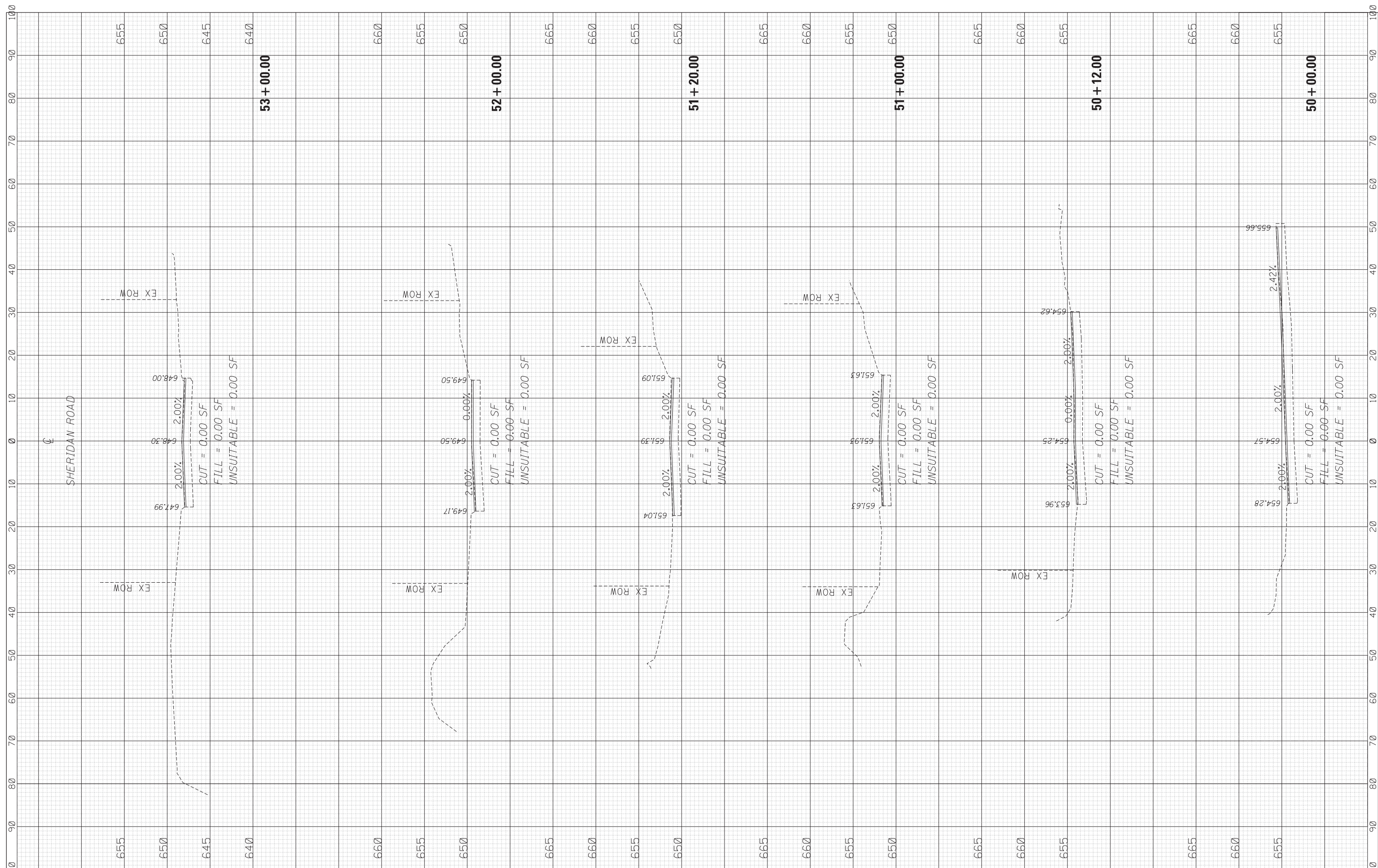
ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = gaganobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 50.0000' / IN.	CHECKED - R.K.F.	REVISIED -	REVISIED -			3509	(112 & 112X) RS-6	COOK	83	68	
PLOT DATE = 1/4/2008	DATE -	REVISIED -	REVISIED -			TS-07		CONTRACT NO. 60G48			
						SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	

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

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



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USER NAME = wTeng	DESIGNED - WJT	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - WJT	REVISED -
PLOT DATE = 5/11/2015	CHECKED - MTC	REVISED -
	DATE - 05-11-2015	REVISED -

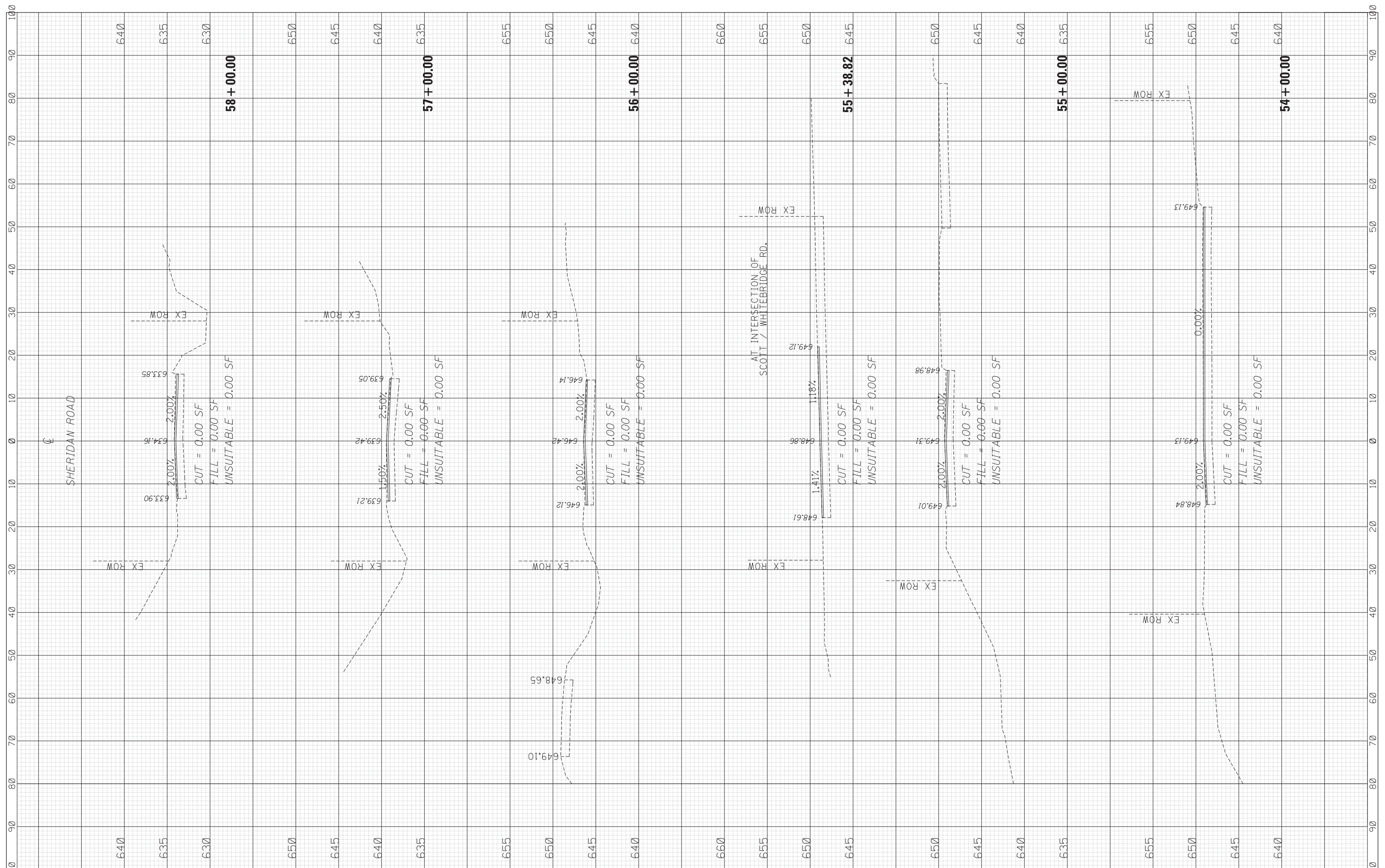
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
SHERIDAN RD (TOWER RD TO SCOTT AVE)	
VERT: 1"=5'	SCALE: HORZ: 1"=10'
SHEET 1	OF 11 SHEETS
STA. 50+00.00	TO STA. 53+00.00

F.A.U. RTE. 3509	SECTION (112 & 112X) R5-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 69
CONTRACT NO. 60C48				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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USER NAME = wTeng	DESIGNED - WJT	REVISED -
PLOT SCALE = 10.0000' / 1" in.	DRAWN - WJT	REVISED -
PLOT DATE = 5/11/2015	CHECKED - MTC	REVISED -
	DATE - 05-11-2015	REVISED -

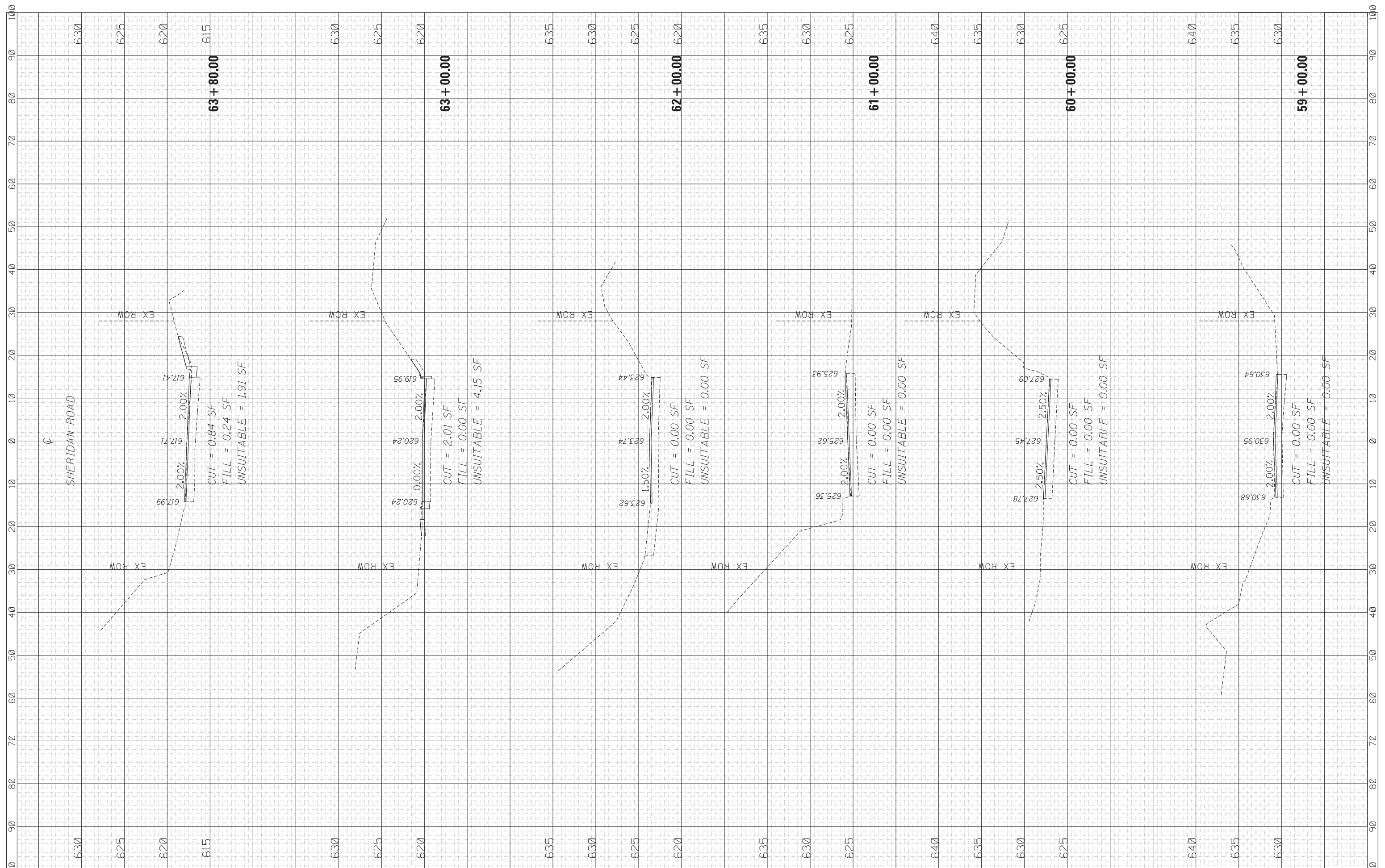
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
SHERIDAN RD (TOWER RD TO SCOTT AVE)	
VERT: 1"=5'	SCALE: HORZ: 1"=10'
SHEET 2	OF 11 SHEETS
STA. 54+00.00	TO STA. 58+00.00

F.A.U. RTE. 3509	SECTION (112 & 112X) R5-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 70
CONTRACT NO. 60G48			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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USER NAME	= WJeng
DESIGNED	- WJT
DRAWN	- WJT
CHECKED	- MTC
DATE	- 05-11-2015
REVISIONS	

REVISIONS	

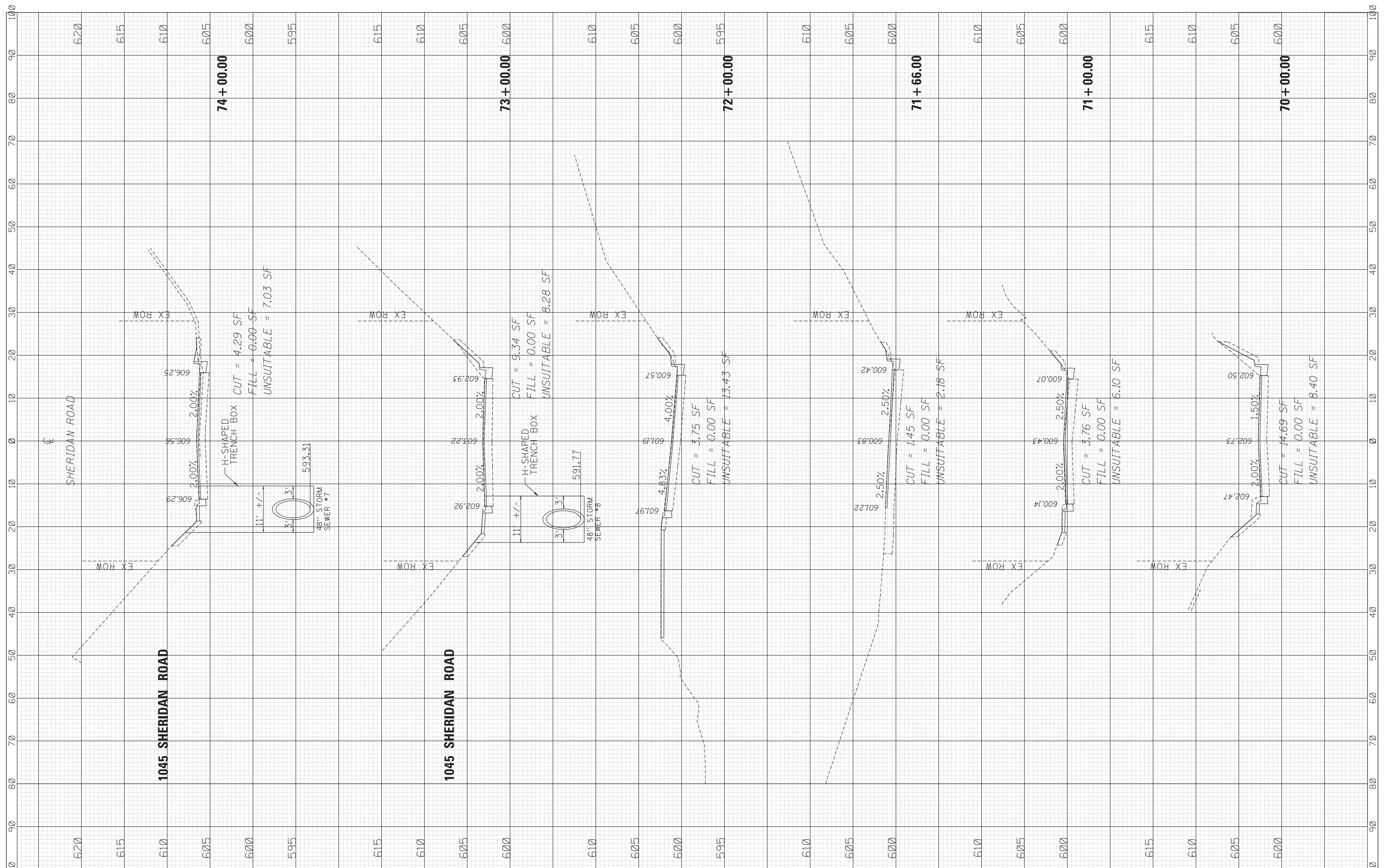
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SHERIDAN RD (TOWER RD TO SCOTT AVE)
VERT: 1"=5'
SCALE: HORZ: 1"=10' SHEET 3 OF 11 SHEETS STA. 59+00.00 TO STA. 63+80.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	71
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				

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

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



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USER NAME	= WTeng
DESIGNED	- WJT
DRAWN	- WJT
CHECKED	- MTC
DATE	- 05-11-2015
PLOT SCALE	= 10.0000' / in.
PLOT DATE	= 5/11/2015

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

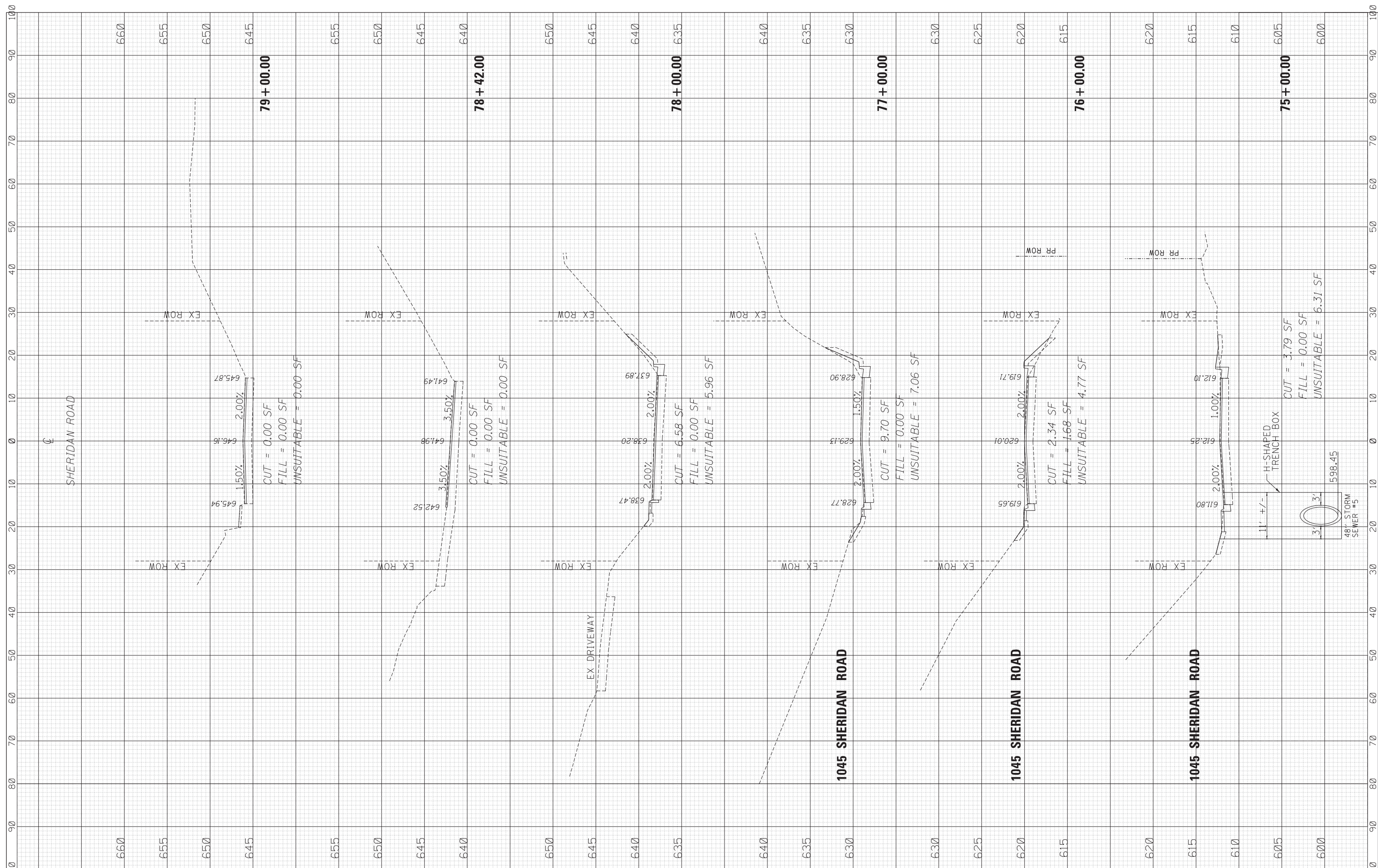
CROSS SECTIONS
SHERIDAN RD (TOWER RD TO SCOTT AVE)
VERT: 1"=5'
SCALE: HORZ: 1"=10'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	73
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				

SHEET 5 OF 11 SHEETS STA. 70+00.00 TO STA. 74+00.00

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



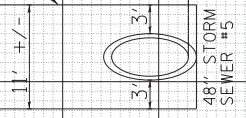
Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = WTeng	DESIGNED - WJT	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - WJT	REVISED -
PLOT DATE = 5/11/2015	CHECKED - MTC	REVISED -
	DATE - 05-11-2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

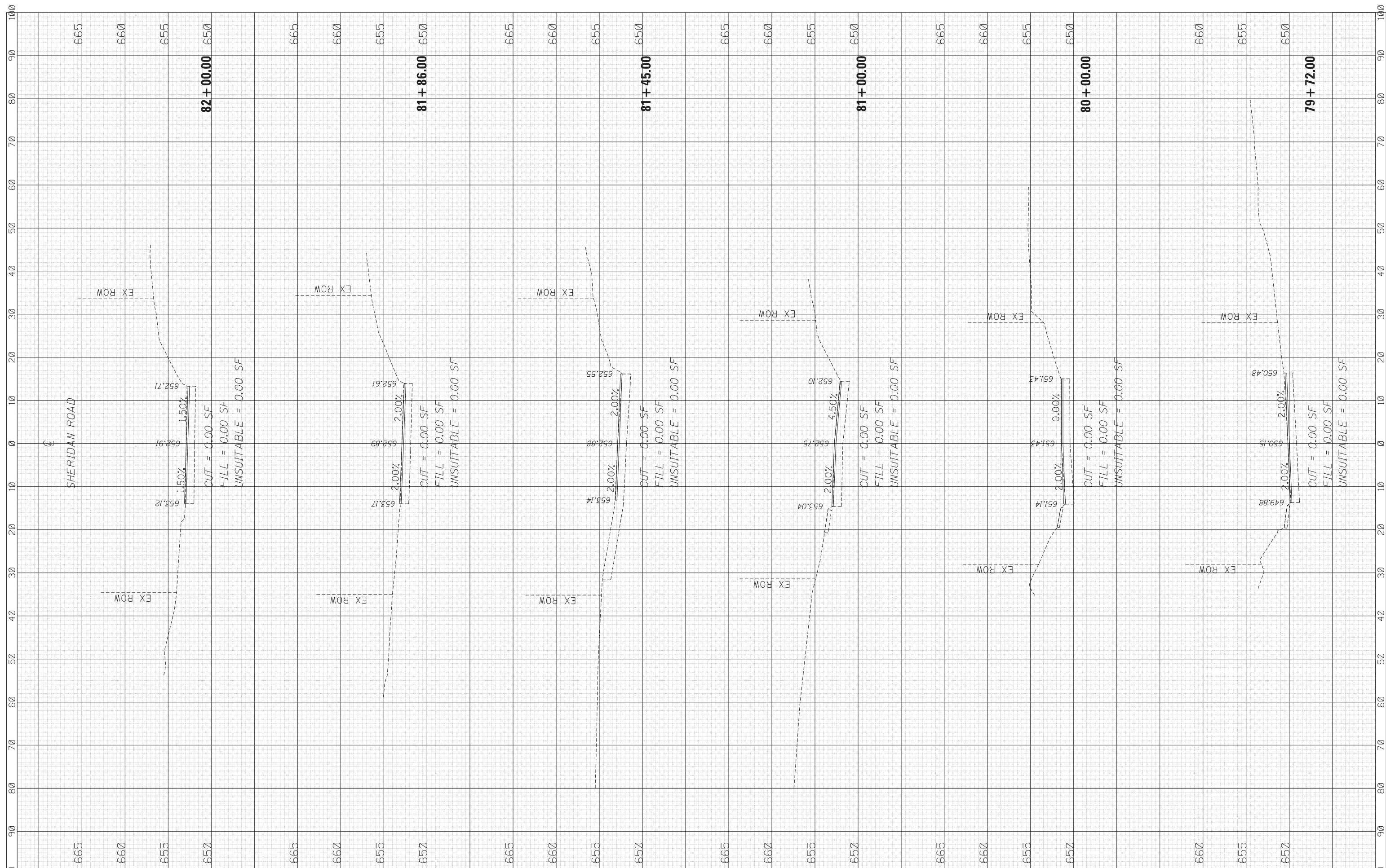
CROSS SECTIONS	
SHERIDAN RD (TOWER RD TO SCOTT AVE)	
VERT: 1"=5'	SCALE: HORZ: 1"=10'
SHEET 6 OF 11 SHEETS STA. 75+00.00 TO STA. 79+00.00	

F.A.U. RTE. 3509	SECTION (112 & 112X) R5-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 74
CONTRACT NO. 60C48			ILLINOIS FED. AID PROJECT	



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

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



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USER NAME = wteng
DESIGNED - WJT
DRAWN - WJT
CHECKED - MTC
DATE - 05-11-2015

REVISIONS
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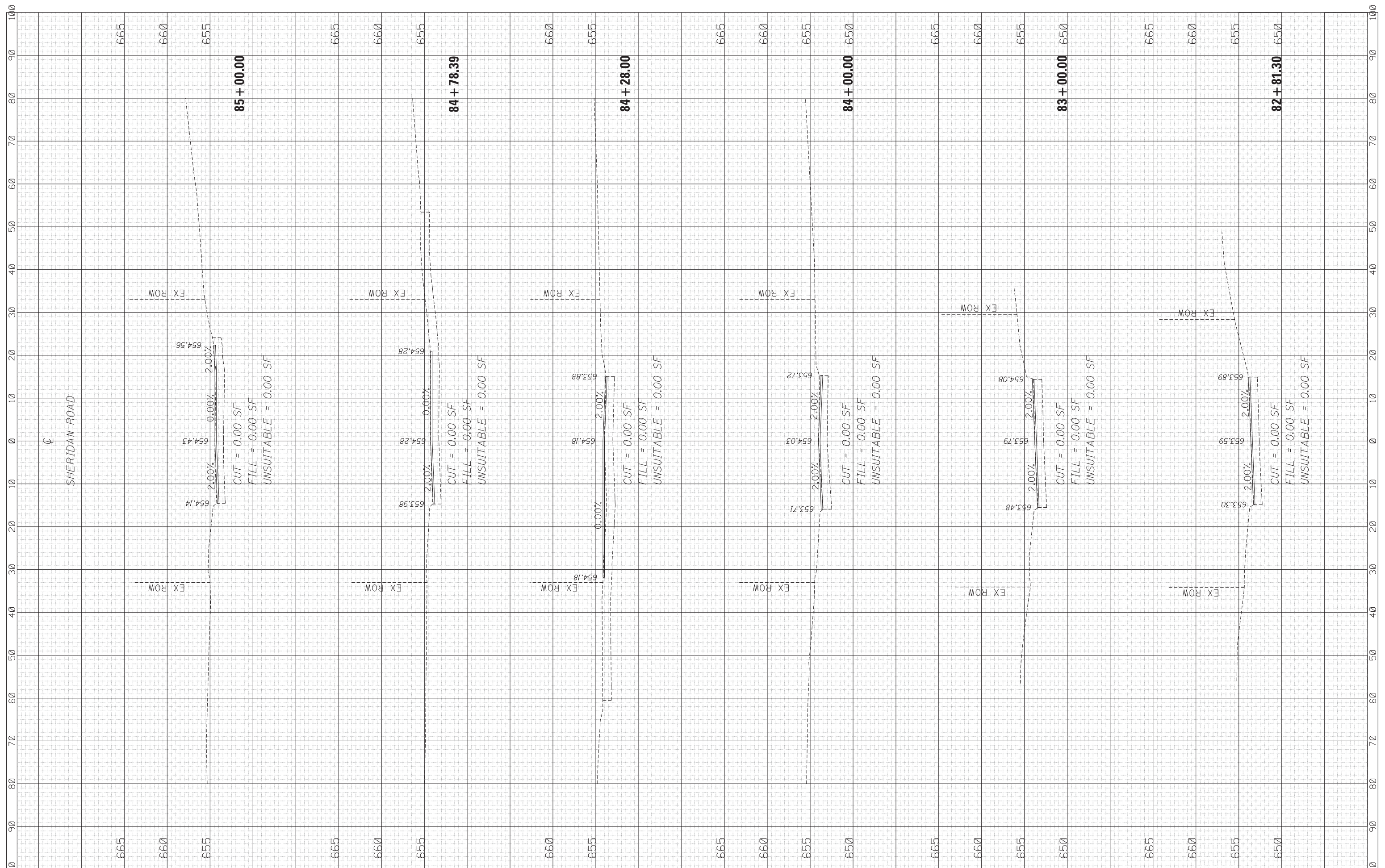
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
SHERIDAN RD (TOWER RD TO SCOTT AVE)
VERT: 1"=5'
SCALE: HORZ: 1"=10' SHEET 7 OF 11 SHEETS STA. 79+72.00 TO STA. 82+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	75
CONTRACT NO. 60G48				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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USER NAME = wTeng	DESIGNED - WJT	REVISED -
	DRAWN - WJT	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - MTC	REVISED -
PLOT DATE = 5/11/2015	DATE - 05-11-2015	REVISED -

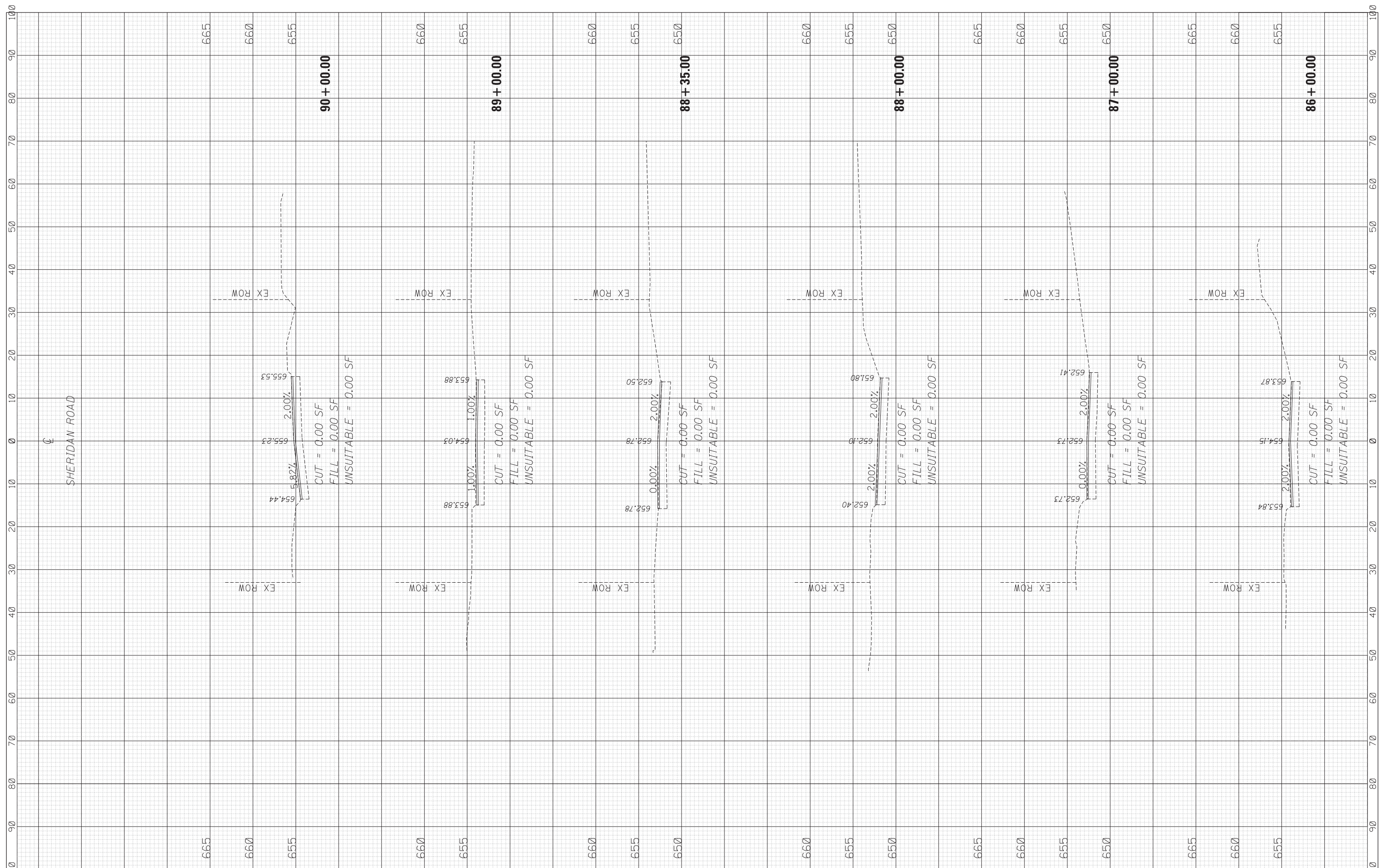
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
SHERIDAN RD (TOWER RD TO SCOTT AVE)			
VERT: 1"=5'	SHEET 8 OF 11 SHEETS		
SCALE: HORZ: 1"=10'		STA. 82+81.30	TO STA. 85+00.00

F.A.U. RTE. 3509	SECTION (112 & 112X) R5-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 76
CONTRACT NO. 60G48				ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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USER NAME = WTeng	DESIGNED - WJT	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - WJT	REVISED -
PLOT DATE = 5/11/2015	CHECKED - MTC	REVISED -
	DATE - 05-11-2015	REVISED -

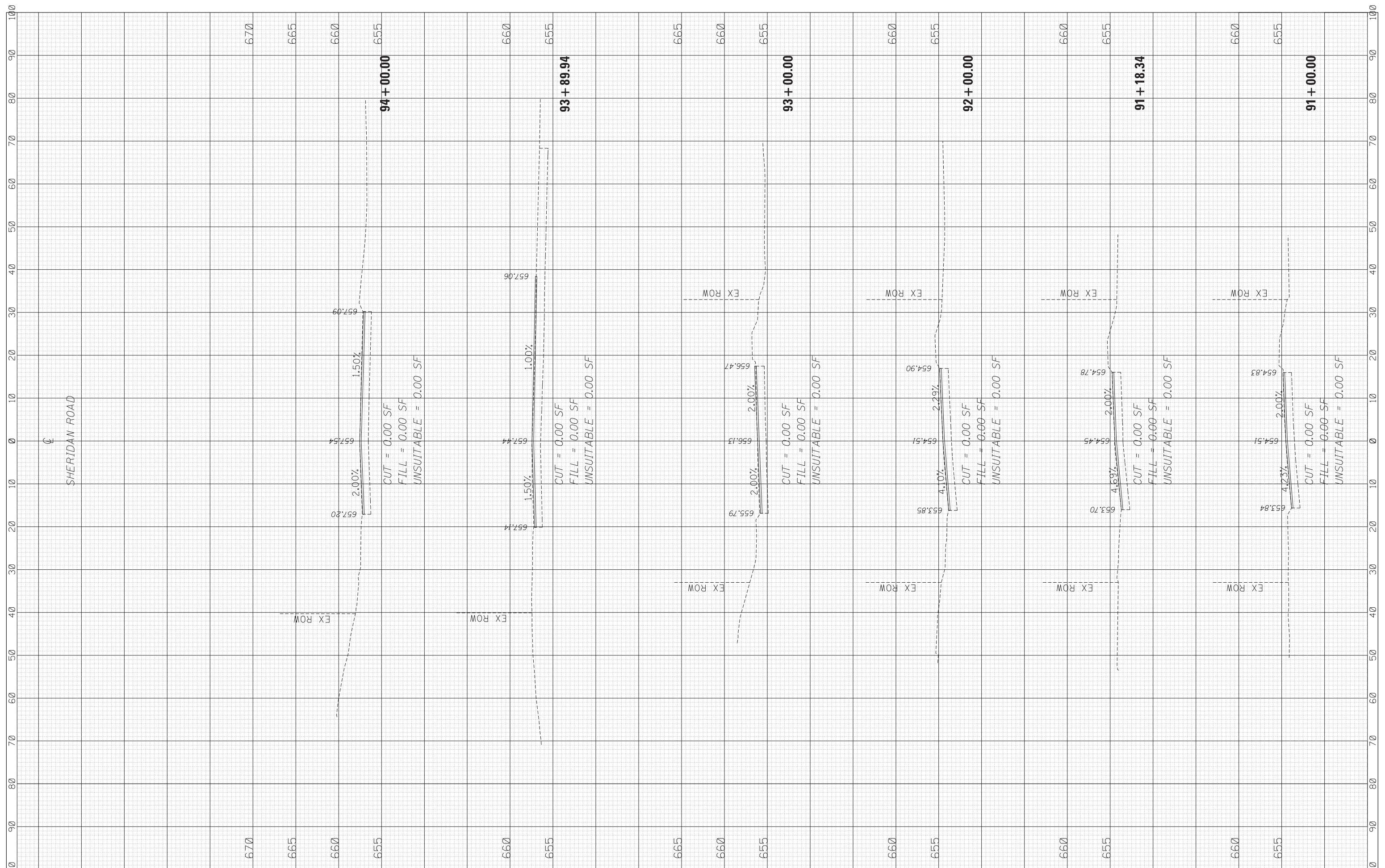
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
SHERIDAN RD (TOWER RD TO SCOTT AVE)
VERT: 1"=5'
SCALE: HORZ: 1"=10' SHEET 9 OF 11 SHEETS STA. 86+00.00 TO STA. 90+00.00

F.A.U. RTE. 3509	SECTION (112 & 112X) R5-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 77
CONTRACT NO. 60G48			ILLINOIS FED. AID PROJECT	

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

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



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PLOT SCALE = 10.0000' / in.	DRAWN - WJT	REVISED -
PLOT DATE = 5/11/2015	CHECKED - MTC	REVISED -
	DATE - 05-11-2015	REVISED -

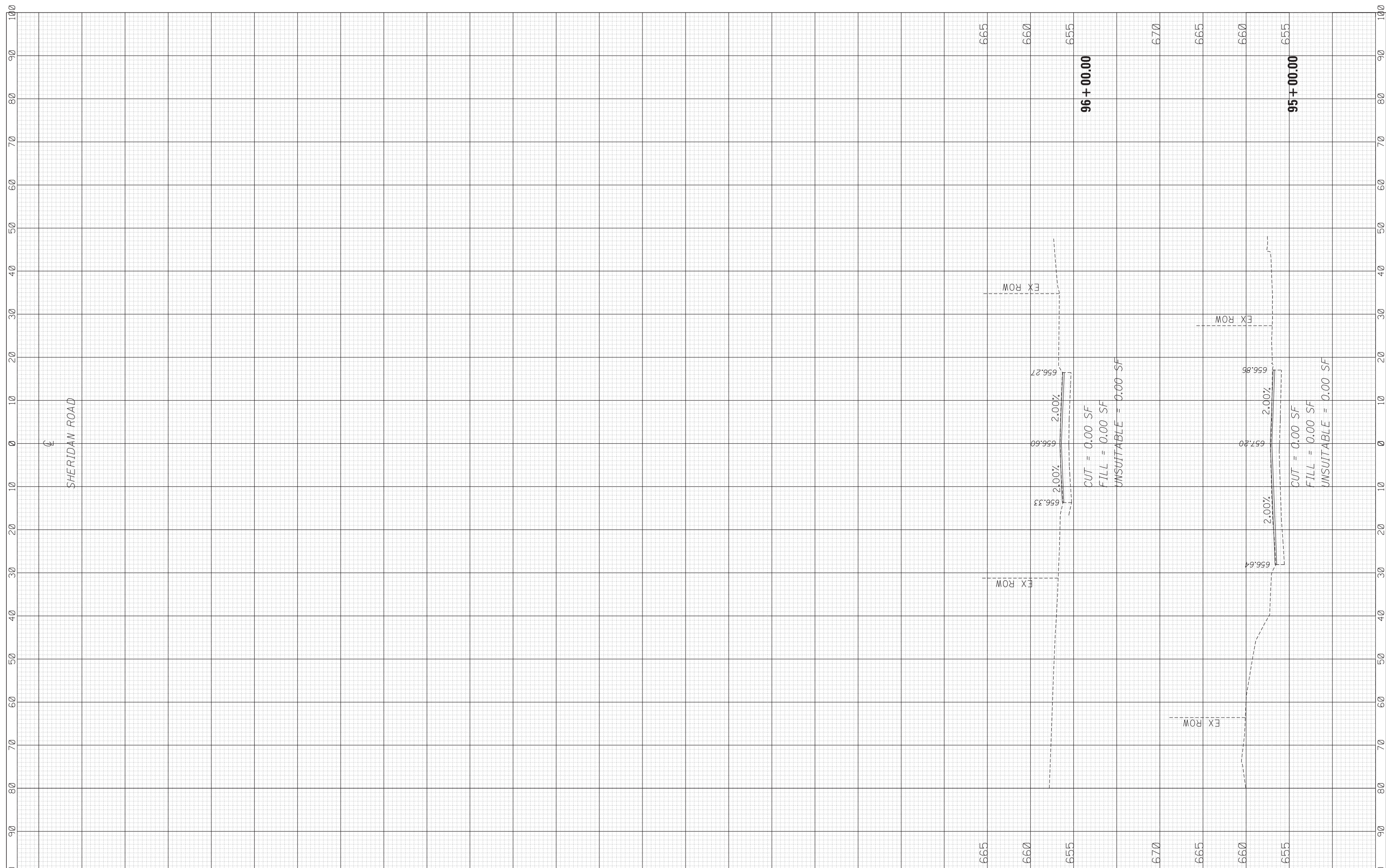
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
SHERIDAN RD (TOWER RD TO SCOTT AVE)**
VERT: 1"=5'
SCALE: HORZ: 1"=10' SHEET 10 OF 11 SHEETS STA. 91+00.00 TO STA. 94+00.00

F.A.U. RTE. 3509	SECTION (112 & 112X) R5-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 78
CONTRACT NO. 60G48			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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USER NAME = WTeng	DESIGNED - WJT	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - WJT	REVISED -
PLOT DATE = 5/11/2015	CHECKED - MTC	REVISED -
	DATE - 05-11-2015	REVISED -

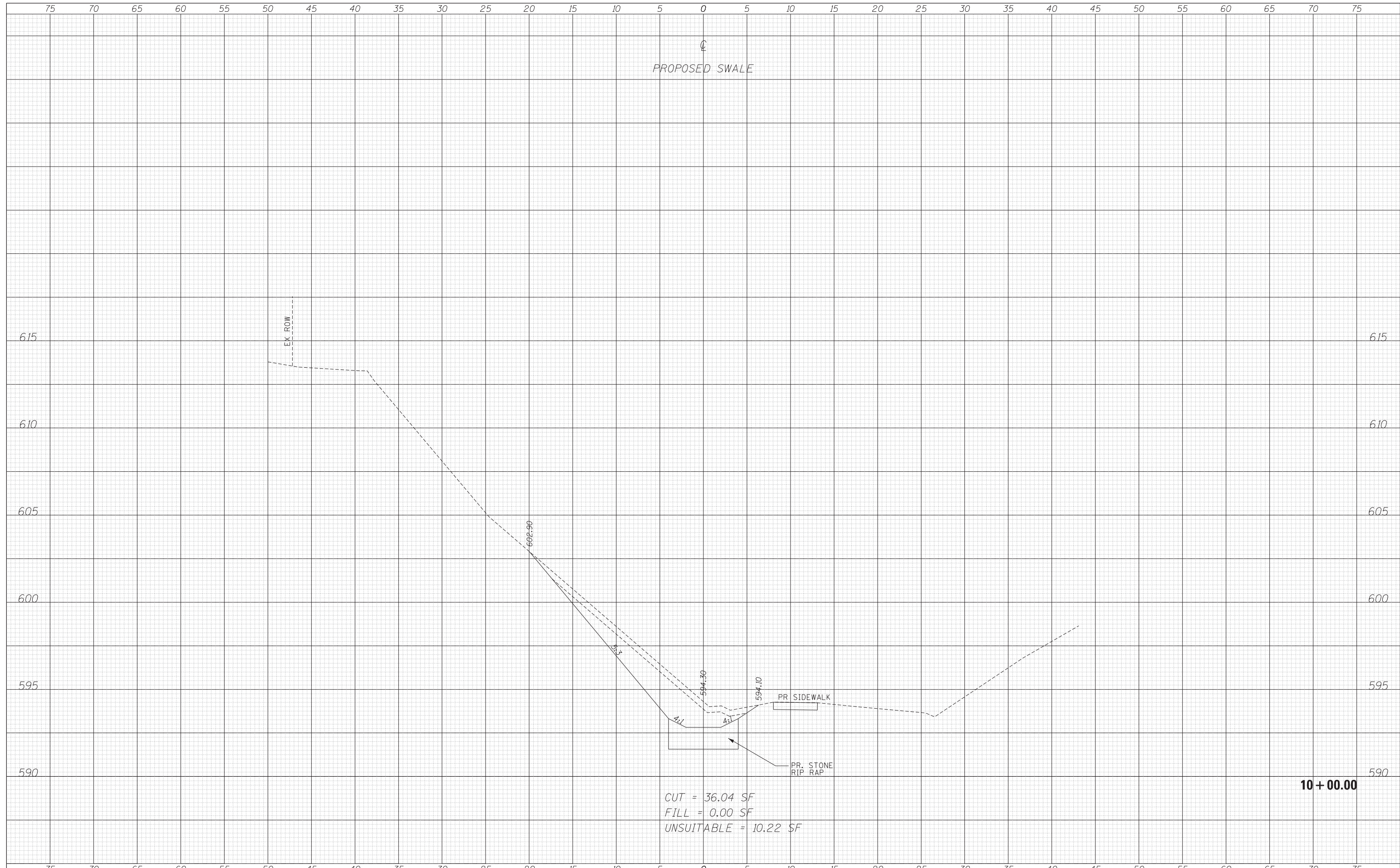
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
SHERIDAN RD (TOWER RD TO SCOTT AVE)
VERT: 1"=5'
SCALE: HORZ: 1"=10' SHEET 11 OF 11 SHEETS STA. 95+00.00 TO STA. 96+00.00

F.A.U. RTE. 3509	SECTION (112 & 112X) R5-6	COUNTY COOK	TOTAL SHEETS 83	SHEET NO. 79
CONTRACT NO. 60G48				ILLINOIS FED. AID PROJECT

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



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USER NAME = wTeng	DESIGNED - WJT	REVISIED -
	DRAWN - WJT	REVISIED -
PLOT SCALE = 5.0000' / in.	CHECKED - MTC	REVISIED -
PLOT DATE = 5/11/2015	DATE - 05-11-2015	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

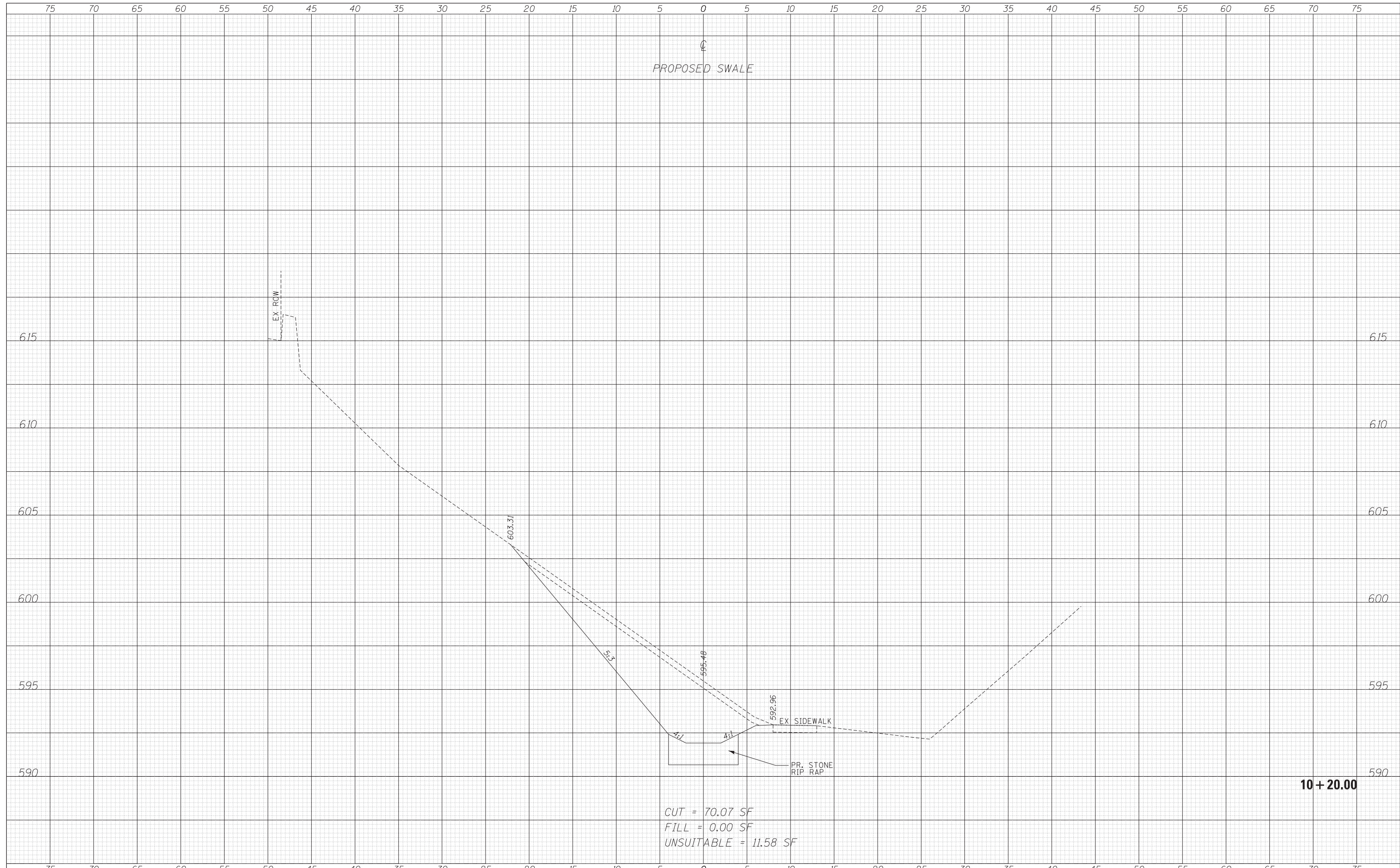
**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVE
CROSS SECTIONS - OVERFLOW CHANNEL**

SCALE: H 1" = 5' SHEET 1 OF 4 SHEETS STA. 10+00.00 TO STA. 10+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	80
CONTRACT NO. 60C48			ILLINOIS FED. AID PROJECT	

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

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



CUT = 70.07 SF
 FILL = 0.00 SF
 UNSUITABLE = 11.58 SF

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USER NAME = wTeng	DESIGNED - WJT	REVISED -
	DRAWN - WJT	REVISED -
PLOT SCALE = 5.0000' / 1"v	CHECKED - MTC	REVISED -
PLOT DATE = 5/11/2015	DATE - 05-11-2015	REVISED -

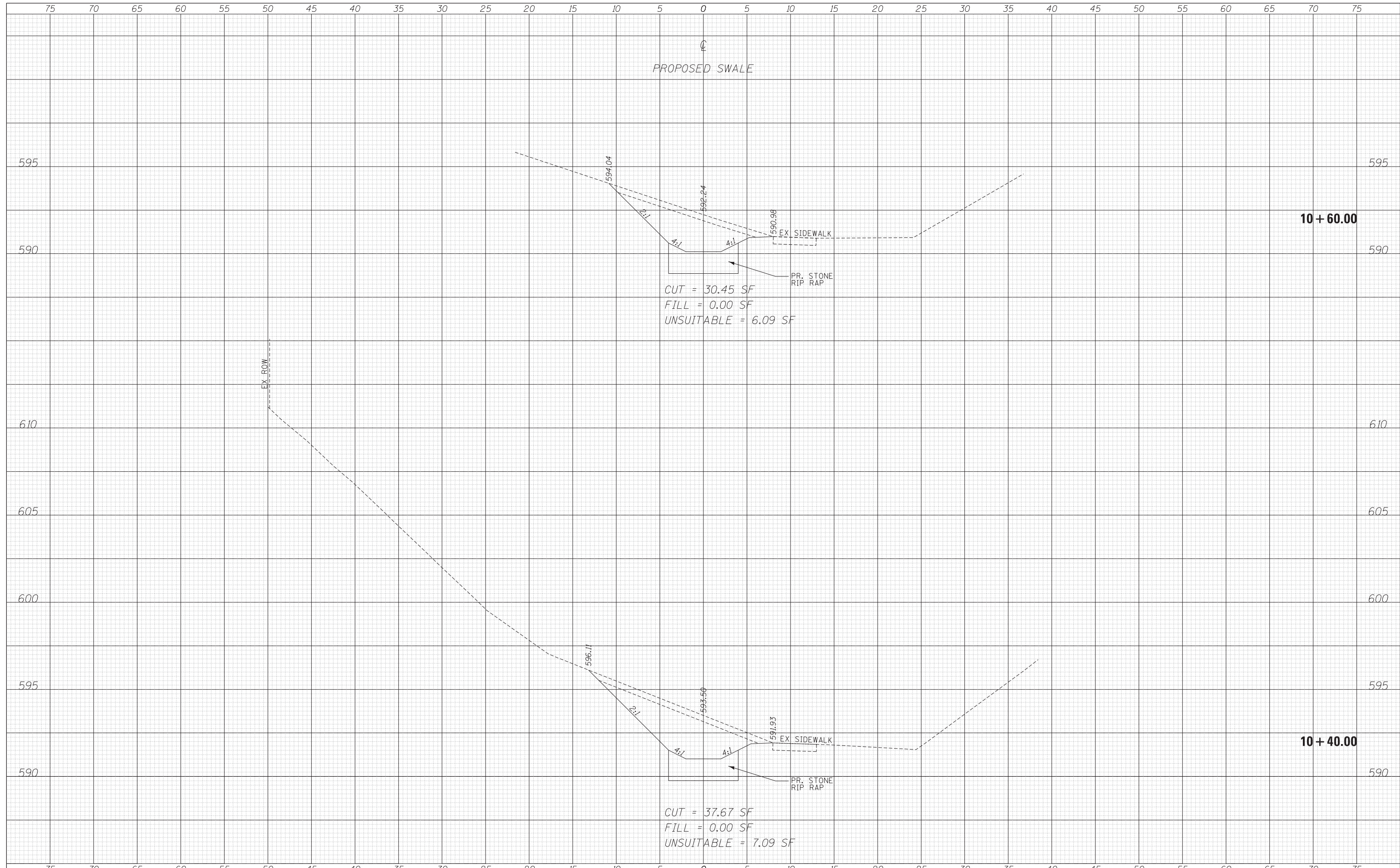
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVE
CROSS SECTIONS - OVERFLOW CHANNEL
 V 1" = 2.5'
 SCALE: H 1" = 5' SHEET 2 OF 4 SHEETS STA. 10+20.00 TO STA. 10+20.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	81
CONTRACT NO. 60C48			ILLINOIS FED. AID PROJECT	

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

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



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USER NAME = wTeng	DESIGNED - WJT	REVISED -
	DRAWN - WJT	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - MTC	REVISED -
PLOT DATE = 5/11/2015	DATE - 05-11-2015	REVISED -

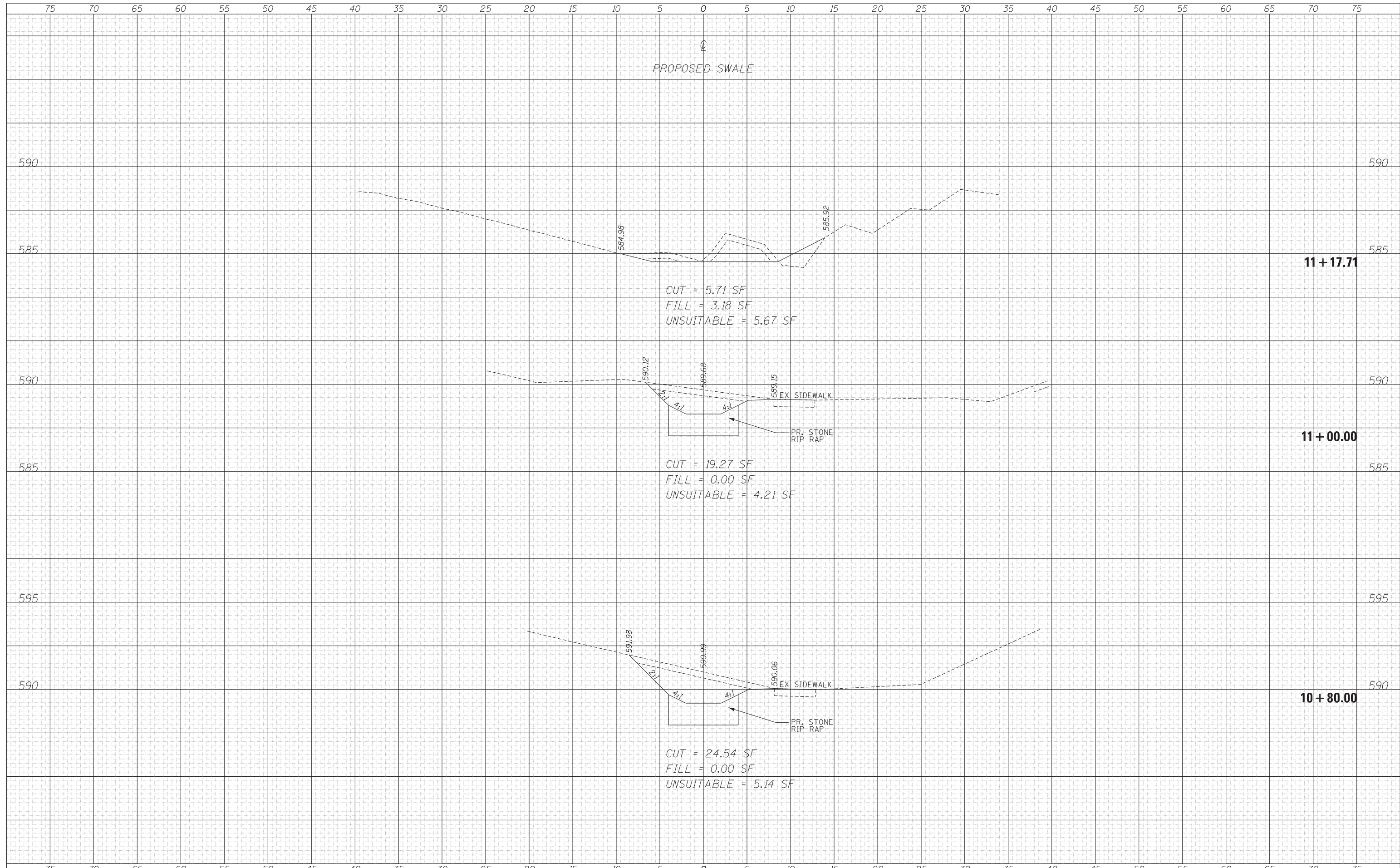
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVE
CROSS SECTIONS - OVERFLOW CHANNEL**
SCALE: H 1" = 5' SHEET 3 OF 4 SHEETS STA. 10+40.00 TO STA. 10+60.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	82
				CONTRACT NO. 60G48
ILLINOIS FED. AID PROJECT				

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

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



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USER NAME = wTeng	DESIGNED - WJT	REVISED -
	DRAWN - WJT	REVISED -
PLOT SCALE = 5.0000' / 1"v	CHECKED - MTC	REVISED -
PLOT DATE = 5/11/2015	DATE - 05-11-2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SHERIDAN ROAD - LAKE COOK ROAD TO WINNETKA AVE
CROSS SECTIONS - OVERFLOW CHANNEL**

SCALE: H 1" = 5' SHEET 4 OF 4 SHEETS STA. 10+80.00 TO STA. 11+17.71

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3509	(112 & 112X) R5-6	COOK	83	83
				CONTRACT NO. 60G48
ILLINOIS FED. AID PROJECT				