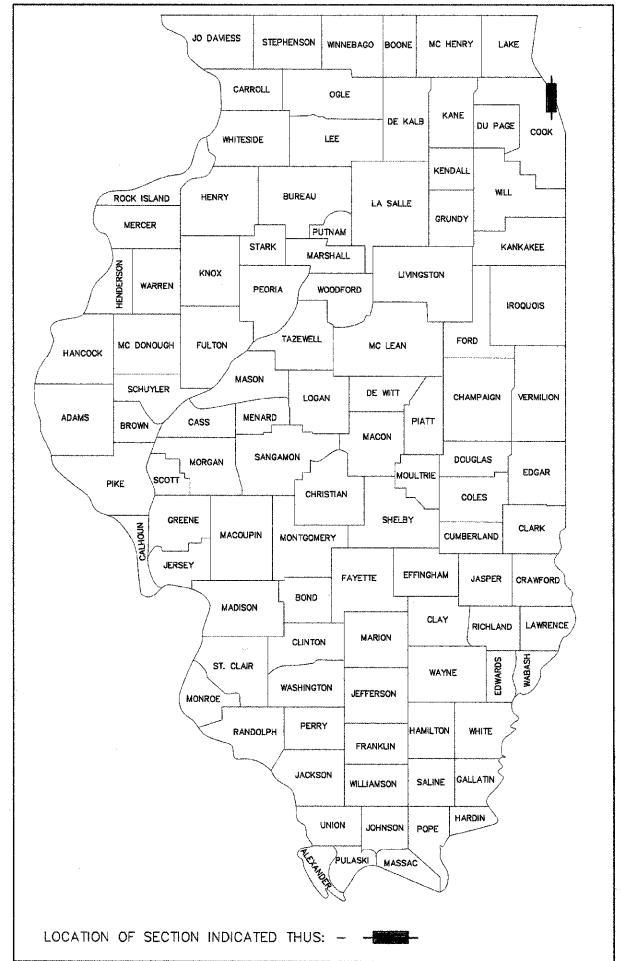


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	1
		ILLINOIS	CONTRACT NO. 63189	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

(FAU 2865) SHERIDAN ROAD
(FAU 1332) SOUTH BLVD. TO (FAU 1329) MAIN ST.
SECTION 08-00250-01-PV
PROJECT NO. ARA-9003(299)
ROADWAY RESURFACING
COOK COUNTY



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5-10	ROADWAY IMPROVEMENT PLANS
11-15	RELIEF SEWER IMPROVEMENT PLANS
16-18	WATER MAIN IMPROVEMENT PLANS
19	MAINTENANCE OF TRAFFIC PLAN
20	DETOUR PLAN
21	PAVEMENT MARKING PLAN
22-23	CONSTRUCTION DETAILS
24-31	DISTRICT ONE DETAILS

HIGHWAY STANDARDS

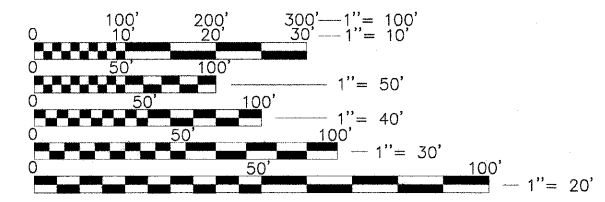
NUMBER	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, & PATTERNS
420001-07	PAVEMENT JOINTS
420701-02	PAVEMENT FABRIC
424001-05	CURB RAMPS FOR SIDEWALK
442101-07	CLASS B PATCHES
442201-03	CLASS C&D PATCHES
602001-02	CATCH BASIN-TYPE A
602301-02	INLET-TYPE A
602401-02	MANHOLE-TYPE A
602501-01	VALVE VAULT-TYPE A
602601-07	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
606001-04	CONC. CURB TYPE B & COMB. CONC. C&G
636001-02	CABLE ROAD GUARD SINGLE STRAND
701421-02	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY
701501-05	URBAN LANE CLOSURE 2 LANE / 2 WAY - UNDIVIDED
701701-06	URBAN LANE CLOSURE MULTI LANE INTERSECTION
701801-04	LANE CLOSURE MULTI LANE 1 OR 2 WAY + CROSSWALK OR SW CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS

DESIGN DESIGNATION

DESIGN DESIGNATION	DESIGN DESIGNATION
SHERIDAN ROAD (FAU 2865)	KEDZIE STREET
FUNCTIONAL CLASSIFICATION = ARTERIAL	FUNCTIONAL CLASSIFICATION = LOCAL
DESIGN SPEED = 30 MPH	DESIGN SPEED = 25 MPH
POSTED SPEED = 30 MPH	POSTED SPEED = 25 MPH

TRAFFIC DATA:

TRAFFIC DATA:	TRAFFIC DATA:
ADT = 17,000 (2007)	ADT = 500 (2007)

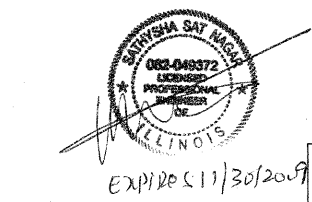


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



GROSS LENGTH = 2,784 FT. = 0.527 MILE
NET LENGTH = 2,784 FT. = 0.527 MILE



- IMPROVEMENT ENDS SHERIDAN ROAD STA. 130+28
- IMPROVEMENT ENDS KEDZIE STREET STA. 4+87
- IMPROVEMENT BEGINS KEDZIE STREET STA. 0+68
- IMPROVEMENT BEGINS SHERIDAN ROAD STA. 102+44

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED: 5/22 2009
Paul Schiele
CITY OF EVANSTON, CITY ENGINEER

PASSED: MAY 29 2009
Christopher Holt
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW: MAY 29, 2009
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

IDOT ASSOCIATE FIELD ENGINEER: KEVIN STALLWORTH, P.E. 847-705-4169

CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION AND ENGINEERING DIVISION
PHONE: (847) 866-2924



PLANS PREPARED BY:

PROJECT MANAGER: SAT NAGAR 847-866-2924

CONTRACT NO. 63189

A. GENERAL

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
 2. ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST I.D.O.T. STANDARD.
 3. THE PAVEMENT ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED SURFACE COURSE OR P.C.C. PAVEMENT, UNLESS OTHERWISE INDICATED.
 4. THE THICKNESSES OF HOT MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE COURSE UPON WHICH THE HOT MIX ASPHALT MATERIALS ARE PLACED.
 5. THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
 6. THE CONTRACTOR SHALL NOTIFY THE CITY OF EVANSTON (847) 866-2924 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
 7. THE CONTRACTOR SHALL LIMIT ANY DROP-OFF BETWEEN LANES TO 2" DURING ANY OVERNIGHT PERIOD.
 8. THE CONTRACTOR SHALL NOTIFY AS NECESSARY, ALL TESTING AGENCIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION, FAILURE OF CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME WHICH RESULTS IN TESTING COMPANIES BEING UNABLE TO VISIT THE SITE AND PERFORM TESTING WILL CAUSE THE CONTRACTOR TO SUSPEND OPERATION TO BE TESTED UNTIL TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. COSTS OF SUSPENSION OF WORK TO BE BORNE BY THE CONTRACTOR.
 9. ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON CITY OF EVANSTON DATUM.
 10. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
 11. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT SOME QUANTITIES ARE GIVEN IN BOTH SUMMARY FORM AND ON THE PLAN SHEETS. CARE SHOULD BE TAKEN TO AVOID DUPLICATION OF QUANTITIES.
 12. ALL UNBALLASTED TYPE I AND TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ON THE BOTTOM RAIL. ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR (4) SANDBAGS PER BARRICADE.
 13. CONSTRUCTION ACTIVITIES MAY OCCUR BETWEEN 7:00AM AND 5:00PM MONDAY THROUGH FRIDAY AND 8:00AM TO 4:00PM ON SATURDAYS. CONSTRUCTION ACTIVITIES ON SUNDAY ARE PROHIBITED. NO WORK WILL BE PERFORMED ON STATE OF ILLINOIS OBSERVED HOLIDAYS. CONSTRUCTION ACTIVITIES ARE IDENTIFIED AS THE OPERATION OF HEAVY EQUIPMENT, INCLUDING BUT NOT LIMITED TO THE WARMING UP OF ANY PIECE OF EQUIPMENT OR TURNING ON ENGINES. CONSTRUCTION ACTIVITIES SHALL NOT BEGIN BEFORE 7:00AM.
- B. UTILITIES**
14. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS.
 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS", AND SHALL RESTORE SUCH PROPERTY AT HIS OWN EXPENSE. COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.
 16. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES IN ACCORDANCE WITH STATE LAW. ADVANCED NOTICE OF 48 HOURS REQUIRED.
- C. DRAINAGE**
17. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE CLEANED AND FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE CONTRACT.
 18. THE COST OF CONNECTING EXISTING STORM SEWER AND UNDERDRAIN TO THE PROPOSED DRAINAGE SYSTEM AND CONNECTING PROPOSED STORM SEWER AND UNDERDRAIN TO EXISTING STRUCTURES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNIT PRICE FOR STORM SEWER. HOWEVER, THE NECESSARY PIPE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STORM SEWER" AND OF THE TYPE AND SIZE REQUIRED.
 19. THE CONTRACTOR SHALL CONFIRM ALL EXISTING STORM SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATION OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK SHALL BE AT THE CONTRACTOR'S EXPENSE AND MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.

20. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY VALVE VAULT, MANHOLE, OR CATCH BASIN SHALL HAVE THE WORD "WATER", "SANITARY", OR "STORM", AS APPROPRIATE, CAST INTO THE LID.
 21. ALL EXISTING DRAINAGE FACILITIES, HEADWALLS, FENCES AND OTHER OBSTRUCTIONS WHICH INTERFERE WITH THE PROPOSED IMPROVEMENT (IN THE OPINION OF THE ENGINEER), AND WHICH ARE NOT SHOWN ON THE PLANS SHALL BE REMOVED. THE COST OF REMOVAL OF EXISTING PIPE CULVERTS, STORM SEWERS, DRAINAGE STRUCTURES, CONCRETE HEADWALLS, FENCING OR OTHER OBSTRUCTIONS WHICH INTERFERE WITH THE PROPOSED IMPROVEMENTS AND WHICH ARE NOT SHOWN TO BE REMOVED AS A SEPARATE PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
 22. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. WHEN LOCATED WITHIN THE CURB LINE, FRAME ELEVATION GIVEN REFLECT THE EDGE OF PAVEMENT ELEVATIONS. ALL OTHER FRAME ELEVATIONS ARE GIVEN AT THE CENTER. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.
 23. HOT MIX ASPHALT OR P.C. CONCRETE PAVEMENT REMOVED DUE TO STORM SEWER OR WATER MAIN CROSSINGS SHALL NOT BE LEFT IN GRAVEL OVERNIGHT IF OPEN TO TRAFFIC. THIS INCLUDES THE MAIN ROADS, SIDE STREETS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, SIDEWALKS, AND PARKING AREAS. "INCIDENTAL HOT-MIX ASPHALT SURFACING" MAY BE REQUIRED BY THE ENGINEER TO BE USED IN LIEU OF IMMEDIATE PAVEMENT REPLACEMENT.
 24. ANY DEWATERING OF SEWER AND WATER MAIN TRENCHES AS WELL AS TEMPORARY SHEETING OR BRACING THAT MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. IN THE EVENT THAT SOFT MATERIALS ARE ENCOUNTERED IN SEWER CONSTRUCTION, THE CONTRACTOR SHALL, UPON THE APPROVAL OF THE ENGINEER, OVER EXCAVATE TO A DEPTH OF 12 INCHES BELOW THE BOTTOM OF THE PIPE AND BACKFILL WITH COMPACTED CRUSHED STONE, PROPERLY FORMED TO FIT THE BOTTOM OF THE PIPE.
 25. ALL EXISTING FIRE HYDRANTS, FRAMES, GRATES, AND LIDS THAT ARE BEING REPLACED REMAIN THE PROPERTY OF THE CITY OF EVANSTON. THE CONTRACTOR SHALL DELIVER ALL REPLACED FIRE HYDRANTS, FRAMES, GRATES AND LIDS TO THE PUBLIC WORKS FACILITY. SUCH DELIVERY IS INCIDENTAL TO THE CONTRACT.
 26. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED IN TO THE PROPOSED IMPROVEMENT (AS DETERMINED BY THE ENGINEER) SHALL BE SEALED WITH BRICKS AND PORTLAND CEMENT MORTAR TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
 27. ADJUSTMENT RINGS, MAXIMUM OF 11" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED. ALL TYPE B GRATES ON RESTRICTED DEPTH DRAINAGE STRUCTURES SHALL BE ADJUSTED TO PLAN GRADE WITH 4" MINIMUM ADJUSTMENT RINGS. THE RINGS SHALL BE INCIDENTAL TO THE CONTRACT.
 28. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE EXISTING LAWN SPRINKLER SYSTEMS LOCATED ALONG SHERIDAN ROAD. IF A SPRINKLER SYSTEM IS LOCATED BETWEEN THE EXISTING SIDEWALK AND THE PROPOSED BACK OF CURB, PROTECTION OF SYSTEM SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.
 29. IF A LAWN SPRINKLER SYSTEM IS LOCATED BEYOND THE EXISTING SIDEWALK AND IS DAMAGED DURING CONSTRUCTION, IT SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. REPLACEMENT SYSTEMS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.
 30. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK INVOLVING THE SPRINKLER SYSTEMS WITH THE OWNERS. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL OF ANY RELOCATIONS OR REPAIRS FROM THE OWNERS PRIOR TO FINAL PAYMENT.
- D. MISCELLANEOUS**
31. THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT INTERRUPTION. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER NO LESS THAN 48 HOURS IN ADVANCE OF THE INTERRUPTION OF ACCESS AND/OR SERVICES AND SHALL NOTIFY THE OWNER OF THE TIME AND DURATION OF THE INTERRUPTION. THE COST TO PROVIDE ACCESS SHALL BE PAID FOR AND INCLUDED IN THE ITEMS AGGREGATE FOR TEMPORARY ACCESS.
 32. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
 33. THE CONTRACTOR SHALL SAW CUT PAVEMENT, CURB & GUTTER, SIDEWALK, AND DRIVEWAY PAVEMENT AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS SHOWN ON THE PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER. ALL SAWCUTTING SHALL BE INCIDENTAL TO REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL UNLESS OTHERWISE NOTED.
 34. PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. PAYMENT WILL BE MADE ONLY FOR THE ACTUAL WORK COMPLETED.
 35. CURB AND GUTTER JOINTS SHALL BE PLACED AS PER STANDARD 606001 AND IN ADDITION ONE INCH EXPANSION JOINTS AND BARS SHALL BE PLACED AT PC'S, AT EXISTING CURB, SUMMITS, AND HAVE A MINIMUM SPACING OF 150'.
 36. THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER MATERIAL EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS, AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE ON THE DAY IT IS EXCAVATED. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING MATERIAL TO A LOCATION, PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF THE IMPROVEMENT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

37. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.
 38. ALL SUITABLE EXCESS MATERIAL FROM SEWER TRENCHES AND NECESSARY EXCAVATIONS MAY BE USED IN THE CONSTRUCTION OF THE IMPROVEMENT. PLACEMENT AND COMPACTION OF THIS MATERIAL SHALL BE CONSIDERED AS INCIDENTAL TO "TRENCH BACKFILL", AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 39. EXCAVATION REQUIRED TO CLEAN SIDE ROAD DITCHES OR CONSTRUCT SIDE ROAD APPROACHES SHALL BE CONSIDERED INCIDENTAL TO "EARTH EXCAVATION".
 40. EXISTING FENCE THAT IS TO REMAIN, WHICH HAS BEEN DISCONNECTED AND/OR REMOVED FOR THE CONTRACTOR'S OPERATIONS OR DAMAGED BY THE CONTRACTOR SHALL BE RECONNECTED AND/OR REPLACED IN KIND AT NO ADDITIONAL COST TO THE CONTRACT.
 41. ALL EXCAVATION AND EMBANKMENT SHALL BE CONSTRUCTED THREE (3) INCHES BELOW FINISHED GRADE LINE TO ALLOW FOR TOP SOIL PLACEMENT AS DESIGNATED IN THE PLANS FOR THIS CONTRACT.
 42. ALL EXISTING GRASS AREAS DISTURBED BY THE CONSTRUCTION OPERATIONS SHALL BE SODDED AS DIRECTED BY THE ENGINEER.
 43. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF THE CITY OF EVANSTON BENCHMARKS ALONG SHERIDAN ROAD.
- E. DRIVEWAYS AND ENTRANCES**
44. ALL EXCAVATION OF DRIVEWAYS SHALL BE PAID FOR AS "DRIVEWAY PAVEMENT REMOVAL".
 45. THE CONTRACTOR SHALL CONSTRUCT ALL COMMERCIAL AND PRIVATE DRIVEWAYS IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
 46. ALL DRIVEWAYS SHALL BE RECONSTRUCTED IN KIND IN ACCORDANCE WITH THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- F. SIGNS**
47. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS IN CONFORMANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.
- ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:
1. SIGNS SHALL NOT BE MOVED UNTIL THE PROGRESS OF WORK REQUIRES IT.
 2. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER, AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
 3. ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATIONS FROM THE EDGES OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER.
 4. ALL UNUSED SIGNS SHALL BE RETURNED TO THE CITY.
 5. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS IN ORDER TO MAINTAIN PROPER SIGN ELEVATIONS. THESE POSTS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.
- H. ADDITIONAL NOTES**
48. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE PARKWAYS SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.
 49. THE CONTRACTOR MUST OBTAIN A FIRE HYDRANT PERMIT FROM THE CITY IN ORDER TO OBTAIN ACCESS CITY WATER. FOR INFORMATION CALL (847)866-2942.
 50. PROTECTIVE COAT SHALL BE APPLIED TO CONCRETE WORK AS SPECIFIED IN STANDARDS BUT THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO VARIOUS CONCRETE PAY ITEMS.
 51. ALL CLASS B PATCHES AT INTERSECTIONS OR IN OPEN TRAVEL LANES WILL BE REQUIRED TO BE COVERED WITH A ONE (1) INCH STEEL PLATE. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
 52. EXISTING STEPPED PARKWAY SIDEWALK SHALL BE REPLACED WITH STEPS AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST AND SHALL BE CONSIDERED INCIDENTAL TO THE "PCC SIDEWALK 5'" PAY ITEM.
- I. POINTS OF CONTACT**
- | | |
|---|---|
| CITY OF EVANSTON
TRANSPORTATION & ENGINEERING
DIVISION
MR. PAUL SCHNEIDER, P.E.
DIRECTOR OF TRANSPORTATION
2100 RIDGE AVENUE
EVANSTON, IL 60201
PH: (847) 866-8291
FAX: (847) 866-2964 | CITY OF EVANSTON
TRANSPORTATION & ENGINEERING
DIVISION
MR. SAT NAGAR, P.E.
SENIOR ENGINEER
2100 RIDGE AVENUE
EVANSTON, IL 60201
PH: (847) 866-2967
FAX: (847) 866-2964 |
|---|---|

NOTE: THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER AT 773.685.8386 AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.

PIPE MATERIAL SPECIFICATION

WHERE POLYVINYL CHLORIDE PIPE (P.V.C.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE SDR 26 IN CONFORMANCE WITH:

6" TO 15" PIPE ASTM D-3034
18" OR LARGER PIPE ASTM F-679

WHERE DUCTILE IRON PIPE (D.I.P.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE:

FOR SEWER : CLASS 50 IN CONFORMANCE WITH:

ANSI A-21.51 PIPE
ANSI A-21.11 JOINT

FOR WATER: CLASS 52 IN CONFORMANCE WITH:

Mechanical Joints; AWWA C-153
Push-On Joints; AWWA C-153

WHERE EXTRA STRENGTH CLAY PIPE (E.S.V.C.P.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE IN CONFORMANCE WITH:

ASTM C-700 PIPE
ASTM C-425 JOINT

M.W.R.D. TYPICAL GENERAL NOTES


1. The MWRD Local Sewer Systems Section Field Office must be notified at least two (2) working days prior to the commencement of work (call 708-588-4055).
2. Elevation datum is CCD = 579.88
Conversion equation 0.00 = 579.70
3. All floor drains shall discharge to the sanitary sewer system. This project has "no floor drain".
4. All downspouts and footing drains shall discharge to the storm sewer system. *"(For City of Evanston Requirements: discharge to grade)".* This project has "no footing drains and downspouts".
5. All sanitary sewer pipes materials and joints (and storm sewer pipe materials and joints in a combined sewer area) shall conform to:

Pipe Material Spec.	Joint Spec	Pipe Material Spec.	Joint Spec
Verified Clay Pipe VCP C-700 VCP (No-Bell) C-700	C-425 D-1784	ABS Composite/Truss Pipe 8"-15" dia. ABS D-2680	D-2680
Concrete Pipe C-14 RCP C-76 ACP C-428	C-443 C-443 D-1869	PI/C Gravity Sewer Pipe 6"-15" dia. SDR26 D-3034	D-3212 or D-2855
ABS Sewer Pipe Solid wall 6" dia. SDR 23.50 ABS D-2751	D-2751	18"-27" dia. F/dy=46 F-679 CISP A-74 DIP A-21.51	D-3212 or D-2855 C-564 A-21.11

(Note: The District has approved less common pipe materials on a qualified basis in addition to those above. Please contact the District in considering using pipe not listed above).

6. All sanitary sewer construction, and also storm sewer construction in combined sewer areas, requires stone bedding with stone 1/4" to 1" in size, with minimum thickness equal to 1/4 the outside diameter of the sewer pipe, but not less than four (4) inches nor more than eight (8) inches. Material shall be CA-11 or CA-13 and shall be extended at least 12" above the top of the pipe when using PVC.
7. "Band Seal" or similar flexible-type couplings shall be used in the connection of sewer pipe of dissimilar materials. *"(For City of Evanston Requirements: "Bond Seal Flexible couplings as manufactured by Mission Rubber Company or equal shall be used for connections of new pipe to existing pipe, and where dissimilar pipe and joint materials are encountered. Couplings shall be a minimum of 8-inches long for connections 4-inch through 8-inch pipe and a minimum of 12-inches long for connections on larger pipes (These are special order items)."*
8. When connecting to an existing sewer main by means other than an existing wye, tee, or an existing manhole, one of the following methods shall be used:
 1. Circular saw-cut of sewer main by proper tools ("Shever-Tap" machine or similar) and proper installation of hub-wye saddle or hub-tee saddle.
 2. Remove an entire section of pipe (breaking only the top of one bell) and replace with a wye or tee branch section.
 3. With pipe cutter, neatly and accurately cut out desired length of pipe for insertion of proper fitting, using "Band Seal" or similar couplings to hold it in place.
9. Whenever a sanitary/combined sewer crosses under a water main, the minimum vertical distance from the top of the sewer to the bottom of the water main shall be 18 inches. Furthermore, a minimum horizontal distance of 10 feet between sanitary/combined sewers and water mains shall be maintained unless: the sewer is laid in a separate trench, keeping a minimum 18" vertical separation; or the sewer is laid in the same trench with the water main located at the opposite side on a bench of undisturbed earth, keeping a minimum 18" vertical separation. If either the vertical or horizontal distances described above can not be maintained, or the sewer crosses above the water main, the sewer shall be constructed to water main standards.
10. All existing septic systems shall be abandoned. Abandoned Tanks shall be filled with granular material or removed.
11. All sanitary manholes, (and storm manholes in combined sewer areas), shall have a minimum inside diameter of 48 inches, and shall be cast in place or pre-cast reinforced concrete.
12. All abandoned sewers shall be plugged with two foot (2') long non-shrink concrete or mortar plugs at both ends.
13. All inlet and outlet pipes of sanitary sewer manholes and other underground structures (and in combined sewer areas, also all combined/ storm sewer manholes, catch basins, inlets, and underground detention storage structures) shall be joined with watertight flexible rubber connections, conforming to A.S.T.M. C-443 and C-923 with stainless steel band.

PLANS PREPARED BY:



CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 866-2924

DESIGNED -- DSM, AA	REVISED -- 5/20/09 PER MWRD
DRAWN -- DSM, AA	REVISED -- 5/20/09 PER IDOT
CHECKED -- SN, PC	REVISED --
DATE -- 2 / 3 / 2009	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
SHERIDAN ROAD

SCALE: N.T.S. SHEET NO. 2 OF 31 SHEETS STA. N.A. TO STA. N.A.

F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	2
				CONTRACT NO. 63189
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY CONSTRUCTION CODE: 1000	QUANTITY 'NON-PARTICIPATING'
1	20101000 TEMPORARY FENCE	FOOT	4,330	4,330	0
2	20101100 TREE TRUNK PROTECTION	EACH	14	14	0
3	20101200 TREE ROOT PRUNING	EACH	4,330	4,330	0
4	20200100 EARTH EXCAVATION	CU YD	235	235	0
5	20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	126	126	0
6	20201550 SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	100	100	0
7	20800150 TRENCH BACKFILL	CU YD	5,960	4,465	1,495
8	21101610 TOPSOIL FURNISH AND PLACE, 3"	SQ YD	6,780	6,780	0
9	21300010 EXPLORATION TRENCH, SPECIAL	FOOT	50	30	20
10	25200110 SODDING, SALT TOLERANT	SQ YD	6,780	6,780	0
11	25200200 SUPPLEMENTAL WATERING	UNIT	150	150	0
12	28000510 INLET FILTERS	EACH	35	35	0
13	35101600 AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	170	170	0
14	35101800 AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	100	100	0
15	35400400 PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	6	6	0
16	40200900 AGGREGATE SURFACE COURSE, TYPE B	CU YD	180	0	180
17	40201000 AGGREGATE FOR TEMPORARY ACCESS	TON	160	160	0
18	40600100 BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3,910	3,910	0
19	40600300 AGGREGATE (PRIME COAT)	TON	55	55	0
20	40600400 MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	30	30	0
21	40600625 LEVELING BINDER (MACHINE METHOD), N50	TON	75	75	0
22	40600825 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	490	490	0
23	40600982 HOT-MX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	133	133	0
24	40601005 HOT-MX ASPHALT REPLACEMENT OVER PATCHES	TON	520	430	90
25	40603085 HOT-MX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,100	1,100	0
26	40603310 HOT-MX ASPHALT SURFACE COURSE, MX "C", N50	TON	145	145	0
27	40603340 HOT-MX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,035	1,035	0
28	40701861 HOT-MX ASPHALT PAVEMENT (FULL-DEPTH), 9" SQ YD	SQ YD	1,600	1,600	0
29	40701901 HOT-MX ASPHALT PAVEMENT (FULL-DEPTH), 11" SQ YD	SQ YD	1,060	1,060	0
30	40800050 INCIDENTAL HOT-MX ASPHALT SURFACING	TON	10	10	0
31	42300200 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	365	365	0
32	42300400 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	124	124	0
33	42400430 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	7,450	7,450	0
34	42400800 DETECTABLE WARNINGS	SQ FT	341	341	0
35	44000100 PAVEMENT REMOVAL	SQ YD	3,110	3,110	0
36	44000198 HOT-MX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	13,105	13,105	0
37	44000200 DRIVEWAY PAVEMENT REMOVAL	SQ YD	450	450	0
38	44000300 CURB REMOVAL	FOOT	4,100	4,100	0
39	44000500 COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,710	1,710	0
40	44000600 SIDEWALK REMOVAL	SQ FT	7,405	7,405	0
41	550A2540 STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	602	602	0
42	550A2760 STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 3 24"	FOOT	968	968	0
43	550A2780 STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 3 30"	FOOT	469	469	0
44	56102900 DUCTILE IRON WATER MAIN 4"	FOOT	165	0	165
45	56103000 DUCTILE IRON WATER MAIN 6"	FOOT	170	0	170
46	56103100 DUCTILE IRON WATER MAIN 8"	FOOT	480	0	480
47	56103300 DUCTILE IRON WATER MAIN 12"	FOOT	860	0	860
48	56104800 WATER VALVES 4"	EACH	6	0	6
49	56104900 WATER VALVES 6"	EACH	1	0	1
50	56105000 WATER VALVES 8"	EACH	4	0	4
51	56105200 WATER VALVES 12"	EACH	5	0	5
52	56400500 FIRE HYDRANTS TO BE REMOVED	EACH	2	0	2
53	56400820 FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	4	0	4
54	56500600 DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	8	0	8
55	60200105 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2	0
56	60218400 MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6	0
57	60221100 MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5	0
58	60234200 INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	9	9	0
59	60248900 VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	0	2
60	60249300 VALVE BOXES 4"	EACH	6	0	6
61	60249400 VALVE BOXES 6"	EACH	2	0	2
62	60249500 VALVE BOXES 8"	EACH	1	0	1
63	60249700 VALVE BOXES 12"	EACH	4	0	4

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	QUANTITY CONSTRUCTION CODE: 1000	QUANTITY 'NON-PARTICIPATING'
64	60252800 CATCH BASINS TO BE RECONSTRUCTED	EACH	14	14	0
65	60257900 MANHOLES TO BE RECONSTRUCTED	EACH	8	8	0
66	60266100 VALVE VAULTS TO BE RECONSTRUCTED	EACH	1	1	0
67	60266910 VALVE BOXES TO BE REMOVED	EACH	6	0	6
68	60300405 VALVE BOX FRAMES TO BE ADJUSTED	EACH	4	4	0
69	60300105 FRAMES AND GRATES TO BE ADJUSTED	EACH	12	12	0
70	60300305 FRAMES AND LIDS TO BE ADJUSTED	EACH	8	8	0
71	60300310 FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	22	22	0
72	60300410 VALVE BOX FRAMES TO BE ADJUSTED WITH NEW FRAMES	EACH	2	2	0
73	60405700 FRAMES AND GRATES, SPECIAL	EACH	15	15	0
74	60406500 FRAMES AND LIDS, SPECIAL	EACH	12	12	0
75	60500040 REMOVING MANHOLES	EACH	1	1	0
76	60500050 REMOVING CATCH BASINS	EACH	12	12	0
77	60500060 REMOVING INLETS	EACH	2	2	0
78	60500405 FILLING VALVE VAULTS	EACH	4	0	4
79	60600605 CONCRETE CURB, TYPE B	FOOT	120	120	0
80	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,875	5,875	0
81	63200305 STEEL PLATE BEAM GUARD RAIL REMOVAL	FOOT	80	80	0
82	63600105 CABLE ROAD GUARD, SINGLE STRAND	FOOT	145	145	0
83	67000500 ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	12	12	0
84	67100100 MOBILIZATION	L SUM	1	1	0
85	70101800 TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	0
86	70106800 CHANGEABLE MESSAGE SIGN	CAL MO	12	12	0
87	70300100 SHORT-TERM PAVEMENT MARKING	FOOT	750	750	0
88	70300220 TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	11,000	11,000	0
89	70300280 TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	265	265	0
90	70300500 PAVEMENT MARKING TAPE, TYPE III	FOOT	250	250	0
91	70301000 WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5,500	5,500	0
92	78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	155	155	0
93	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,640	2,640	0
94	78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,910	2,910	0
95	78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	485	485	0
96	78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	135	135	0
97	78100100 RAISED REFLECTIVE PAVEMENT MARKER	EACH	70	70	0
98	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	40	40	0
99	88600600 DETECTOR LOOP REPLACEMENT	FOOT	105	105	0
100	Z0041700 PLUG EXISTING STORM SEWERS	EACH	90	90	0
101	Z0051500 REMOVING AND RESETTING STREET SIGNS	EACH	15	15	0
102	Z0078600 TRAINEES	hour	1,000	1,000	0
103	X0321317 GRANULAR BACKFILL	CU YD	15	15	0
104	X0322256 TEMPORARY INFORMATION SIGNING	SQ FT	52	52	0
105	X0325526 TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	215	215	0
106	XX000406 BRICK PAVER REMOVAL AND REPLACEMENT	SQ FT	455	455	0
107	XX002817 TEMPORARY LINE STOPPER, 6 INCH	EACH	1	0	1
108	XX003536 CONNECTION TO EXISTING WATER MAINS (NON PRESSURE)	EACH	6	0	6
109	XX004689 SANITARY SERVICE TO BE ADJUSTED	EACH	15	15	0
110	XX005213 WATER SERVICE LINE TO BE ADJUSTED	EACH	15	15	0
111	XX004812 VIDEO TAPING OF SEWERS	FOOT	6,750	6,750	0
112	XX005617 CONNECTING TO EXISTING MANHOLES BY CORE DRILLING	EACH	22	22	0
113	XX005758 TEMPORARY PAVEMENT	TON	60	0	60
114	XX006111 WATER SERVICE RECONNECTION, WITH NEW BUFFALO BOX, LONG SIDE 1"(MINIMUM)	EACH	6	0	6
115	XX006112 WATER SERVICE RECONNECTION, WITH NEW BUFFALO BOX, SHORT SIDE 1"(MINIMUM)	EACH	10	0	10
116	XX006281 STORM SEWERS, DUCTILE IRON, TYPE 1 10"	FOOT	189	189	0
117	XX006282 STORM SEWERS, DUCTILE IRON, TYPE 1 12"	FOOT	516	516	0
118	XX006284 STORM SEWERS, DUCTILE IRON, TYPE 2 18"	FOOT	569	569	0
119	XX006448 10" PVC COMBINED SEWER PIPE REPLACEMENT	FOOT	10	10	0
120	XX006449 12" PVC COMBINED SEWER PIPE REPLACEMENT	FOOT	38	38	0
121	XX005044 CLASS D PATCHES, 9 INCH	SQ YD	395	100	295
122	XX005063 CLASS B PATCHES	SQ YD	2,920	2,160	770
123	XX006786 CLASS D PATCHES, SPECIAL, 7 INCHES	SQ YD	485	485	0

△ DENOTES SPECIALTY ITEM
 △ INDICATES NON-STANDARD ITEM COVERED BY SPECIAL PROVISION OR PLAN NOTE

PLANS PREPARED BY:



CITY OF EVANSTON
 PUBLIC WORKS DEPARTMENT TRANSPORTATION
 AND ENGINEERING DIVISION
 PHONE: (847) 866-2924

DESIGNED -- DSM, AA	REVISED -- 5/20/09 PER MWRD
DRAWN -- DSM	REVISED -- 5/20/09 PER IDOT
CHECKED -- SN, PC	REVISED --
DATE -- 2 / 3 / 2009	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 SHERIDAN ROAD

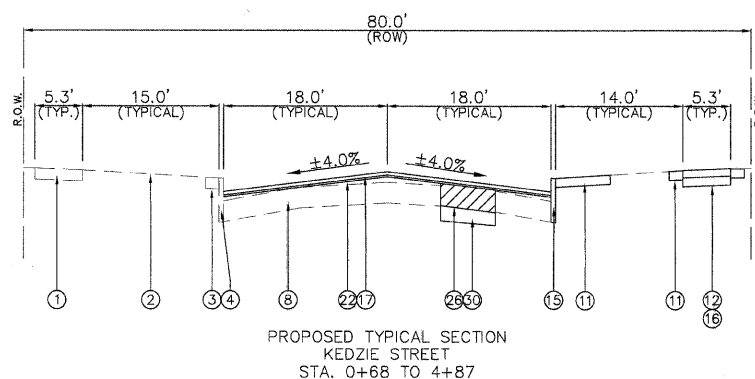
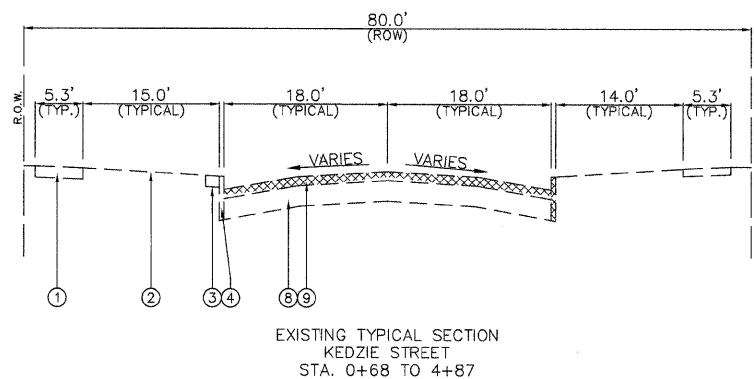
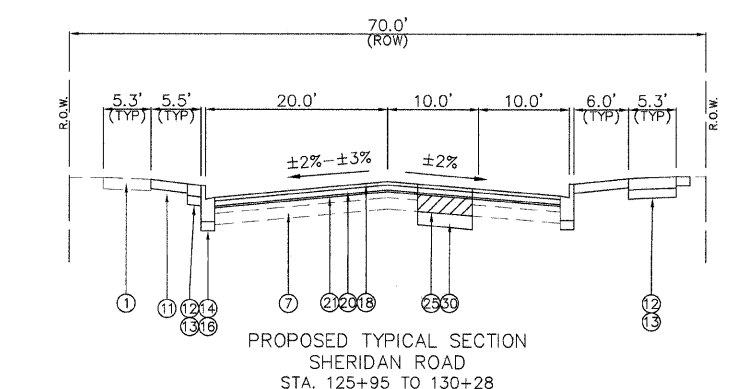
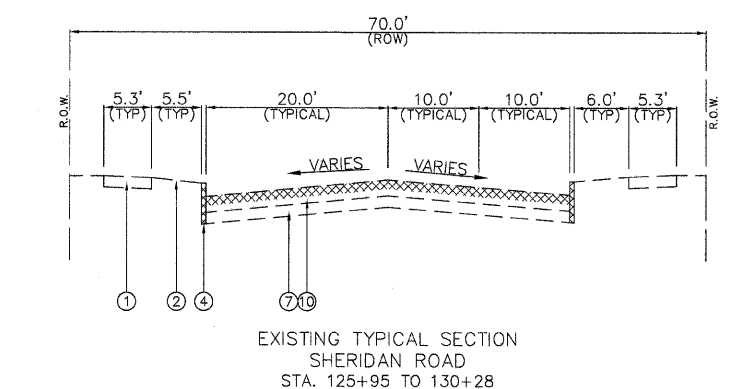
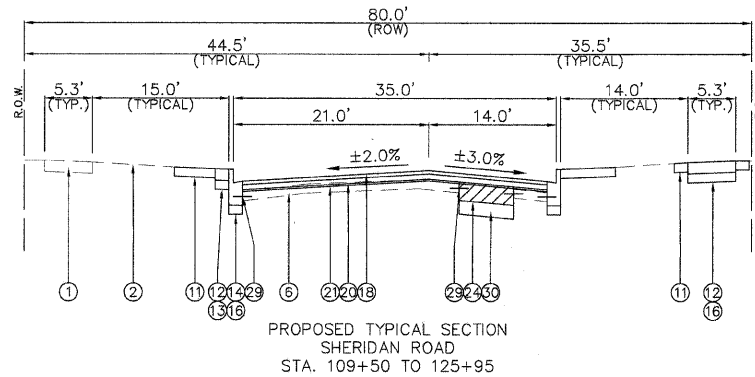
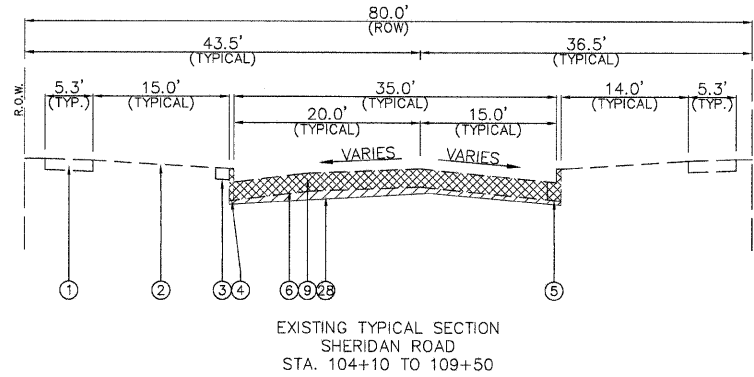
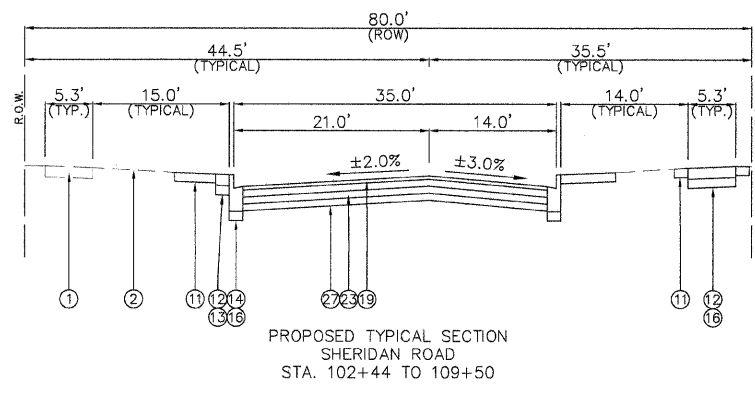
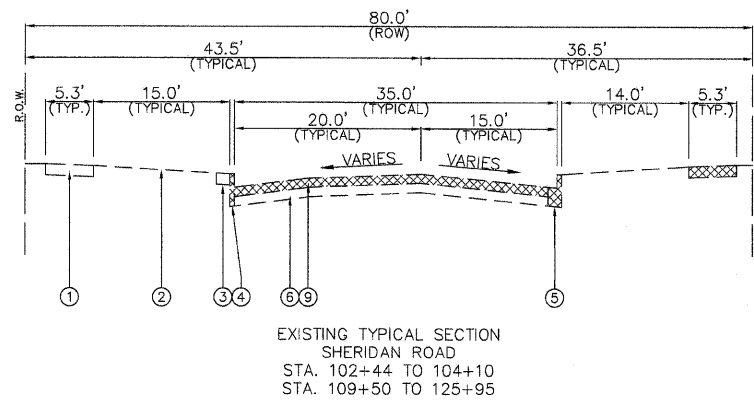
SCALE: N.T.S. SHEET NO. 3 OF 31 SHEETS STA. N.A. TO STA. N.A.

F. AU. RTEL. 2865	SECTION 08-00250-01-PV	COUNTY COOK	TOTAL SHEETS 31	SHEET NO. 3
				CONTRACT NO. 63189
ILLINOIS FED. AID PROJECT				

NOTES:

- SAW CUTS SHALL BE REQUIRED TO REMOVE ITEMS ADJACENT TO PAVEMENT SURFACES TO REMAIN IN PLACE AND WILL BE CONSIDERED INCIDENTAL TO THE VARIOUS REMOVAL PAY ITEMS.
- TRENCH/PAVEMENT PATCHING SHALL BE FOLLOWED BY "HOT-MIX ASPHALT REPLACEMENT OVER PATCHES". WHEN ASPHALT IS TO REMAIN IN PLACE OVER THE WINTER IT SHALL BE HMA SURFACE COURSE, OTHERWISE (HMA BINDER IL-19.0) MAY BE USED.
- UTILITY TRENCHES TO BE OPENED TO TRAFFIC PRIOR TO PERMANENT PAVEMENT PATCHING SHALL RECEIVE A TEMPORARY PAVEMENT PATCH CONSISTING OF "AGGREGATE SURFACE COURSE, TYPE B" TO BE PAID FOR PER CU. YD. AND "TEMPORARY PAVEMENT" TO BE PAID FOR PER TON.
- FULL-DEPTH ASPHALT PAVEMENT BETWEEN STATIONS 102+44 TO 109+50 ON EAST SIDE SHALL BE CONSTRUCTED TO 11" IN ORDER TO TEMPORARILY BRING PAVEMENT TO FINISHED GRADE FOR WINTER MONTHS AND SUBSEQUENTLY REMOVED DURING HOT-MIX ASPHALT SURFACE REMOVAL OPERATIONS PRIOR TO PAVING.
- THE "PREPARATION OF BASE" PAY ITEM SHALL BE USED BETWEEN STATIONS 102+44 TO 109+50 PRIOR TO PLACEMENT OF THE HMA PAVEMENT (FULL-DEPTH). THE CONTRACTOR MAY SPREAD RECYCLED ASPHALT GRINDINGS TO STABILIZE BASE FOR CONSTRUCTION EQUIPMENT AT HIS/HER OWN EXPENSE AS APPROVED BY THE ENGINEER.
- THE "EARTH EXCAVATION" PAY ITEM SHALL ONLY BE USED BETWEEN STATIONS 102+44 TO 109+50 AND WAS ASSUMED TO BE A UNIFORM DEPTH OF THREE (3) INCHES, IF EXISTING PAVEMENT EXCEEDS ASSUMED DEPTH THE EARTH EXCAVATION QUANTITY WILL BE REDUCED BUT UNDER NO CIRCUMSTANCES SHALL THE QUANTITY BE INCREASED. EARTH EXCAVATION REQUIRED FOR INSTALLATION OF CONCRETE PAY ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS REMOVAL PAY ITEMS.
- PAVEMENT REMOVAL REQUIRED TO INSTALL TYPE B-6.12 CURB AND GUTTER WHERE EXISTING TYPE B CURB WAS REMOVED WILL BE CONSIDERED INCIDENTAL TO THE "CURB REMOVAL" PAY ITEM.
- "AGGREGATE BASE COURSE, TYPE B 4" WILL BE REQUIRED WHEN "PCC SIDEWALK, 5" IS INSTALLED DIRECTLY BEHIND THE BACK OF CURB (CARRIAGE WALK); EXCAVATION/PREPARATION OF SUB-GRADE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE AGGREGATE BASE PAY ITEM.
- "AGGREGATE BASE COURSE, TYPE B 4" WILL BE REQUIRED FOR "PCC SIDEWALK, 5" OUTSIDE LIMITS OUTLINED IN NOTE #7 ONLY WHEN BASE MATERIAL IS CONSIDERED UNSUITABLE BY THE ENGINEER. IN THIS CASE EXCAVATION/PREPARATION TO SUB-GRADE SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL".
- "AGGREGATE BASE COURSE, TYPE B 6" WILL BE REQUIRED FOR "PCC DRIVEWAY PAVEMENT 6", "PCC DRIVEWAY PAVEMENT 8", AND "INCIDENTAL HOT-MIX ASPHALT SURFACING" (FOR DRIVEWAYS) ONLY WHEN EXISTING BASE MATERIAL IS CONSIDERED UNSUITABLE BY THE ENGINEER AND PAYMENT FOR EXCAVATION SHALL BE AS OUTLINED IN NOTE #8.
- "HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH" ON SHERIDAN ROAD SHALL BE TO A DEPTH AS NEEDED TO MEET PROPOSED FINISHED GRADES AND CROSS-SLOPES AFTER HMA SURFACE INSTALLATION AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER. ASSUMED AVERAGE MILLING DEPTH ON SHERIDAN ROAD AT CROWN IS FOUR (4) INCHES AND VARIES AT EDGE OF PAVEMENT FROM ZERO (0) TO FOUR (4) INCHES. MILLING DEPTH ON KEDZIE STREET SHALL BE TWO (2) INCHES AT THE CENTERLINE/CROWN AND THE EDGE OF PAVEMENT AND THREE (3) TO FOUR (4) INCHES AT THE QUARTER-CROWN IN ORDER TO PRODUCE A UNIFORM CROSS-SLOPE FROM CENTERLINE TO EDGE OF PAVEMENT AFTER FINAL PAVING.

 - REMOVAL



LEGEND:


- EXISTING PCC SIDEWALK, 5" (±) (5'4" WIDE, TYP.)
- EXISTING GROUND LINE
- EXISTING CONCRETE CARRIAGE WALK
- EXISTING CONCRETE BARRIER CURB
- EXISTING COMBINATION CONCRETE CURB AND GUTTER*
- EXISTING CONCRETE BASE COURSE, 4" (±)
- EXISTING AGGREGATE BASE COURSE, 5" (±)
- EXISTING MACADAM BASE COURSE, 9" (±)
- EXISTING ASPHALT OVERLAY, 4" (±)
- EXISTING ASPHALT (FULL-DEPTH) PAVEMENT, 7" (±)
- PROPOSED TOPSOIL FURNISH AND PLACE, 3" AND SODDING, SALT TOLERANT
- PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- PROPOSED COMB. CONC. CURB & GUTTER, TYPE B-6.12
- PROPOSED CONCRETE CURB, TYPE B
- PROPOSED REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND AGGREGATE BASE COURSE, TYPE B, 4"
- PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50; 1 1/2"
- PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 1 1/2"
- PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 2"
- PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/2"
- PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 1" AVERAGE
- PROPOSED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4" AVERAGE
- PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"; (3 LIFTS)
PROPOSED HMA ASPHALT PAVEMENT (FD), 11" (PHASE 1 - EAST SIDE CONSTRUCTION)
(SEE MAINTENANCE OF TRAFFIC PLAN FOR CONSTRUCTION PHASING)
- PROPOSED CLASS B PATCHES, 9" AND HMA REPLACEMENT OVER PATCHES, 3"
- PROPOSED CLASS D PATCHES, 9" AND HMA REPLACEMENT OVER PATCHES, 3"
- PROPOSED CLASS D PATCHES, 7" AND HMA REPLACEMENT OVER PATCHES, 2"
- PREPARATION OF BASE
- EARTH EXCAVATION (STA. 102+44 TO 109+50)
- PROPOSED EPOXY COATED TIE BARS ACCORDING TO I.D.O.T. HIGHWAY STANDARDS
- PROPOSED REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND SUB-BASE GRANULAR MATERIAL, TY B
(ITEMS ALSO USED TO STABILIZE UTILITY TRENCHES)

NOTE: LIMITS VARY, SEE ROADWAY IMPROVEMENT PLANS FOR LOCATIONS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS				MAX.
MIXTURE TYPE	AC TYPE	AIR VOIDS	RAP %	
PAVEMENT RESURFACING (SHERIDAN ROAD)				
HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70 (IL 9.5 mm); 1.5"	PG 64-22	4% @ 70 Gyr	10/15	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2.25"	PG 64-22*	4% @ 70 Gyr	15/25	
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; ±1"	SBS/5BR PG 76-28/-22	4% @ 50 Gyr	15	
PAVEMENT RESURFACING (KEDZIE STREET)				
HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50 (IL 9.5 mm); 1.5"	PG 64-22	4% @ 50 Gyr	15	
LEVELING BINDER (MACHINE METHOD) N50; ±3/4"	PG 64-22*	4% @ 50 Gyr	25	
FULL-DEPTH PAVEMENT (SHERIDAN ROAD)				
HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70 (IL 9.5 mm); 2"	PG 64-22	4% @ 70 Gyr	15	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 9" OR 11"	PG 64-22*	4% @ 70 Gyr	15/25	
DRIVEWAY PAVEMENT				
INCIDENTAL HOT-MIX ASPHALT SURFACING HMA SURFACE COURSE MIX "C", N50 (IL 9.5 mm); 2"	PG 64-22	4% @ 50 Gyr	15	
TEMPORARY PAVEMENT (UTILITY TRENCHES)				
TEMPORARY PAVEMENT; 2" (HMA BINDER, IL-19-mm)	PG 64-22*	4% @ 50 Gyr	15/25	
TEMPORARY PAVEMENT; 2" HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 mm)	PG 64-22	4% @ 50 Gyr	15	
TEMPORARY PAVEMENT (SHERIDAN PAVEMENT WEDGE)				
TEMPORARY PAVEMENT (VARIABLE DEPTH) HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 mm)	PG 64-22	4% @ 50 Gyr	15	
PATCHING				
CLASS D PATCHES, 9" OR 7" (HMA BINDER, IL-19-mm)	PG 64-22*	4% @ 70 Gyr	15/25	
HMA REPLACEMENT OVER PATCHES (HMA BINDER, IL-19-mm)	PG 64-22*	4% @ 70 Gyr	15/25	
HMA REPLACEMENT OVER PATCHES (HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 mm))	PG 64-22	4% @ 50 Gyr	15	

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS./SQ. YD./IN.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

PLANS PREPARED BY:  CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 866-2924

DESIGNED - DSM, AA
DRAWN - DSM
CHECKED - SN, PC
DATE - 2 / 3 / 2009

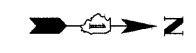
REVISED - 5/20/09 PER MWRD
REVISED - 5/20/09 PER IDOT
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
SHERIDAN ROAD

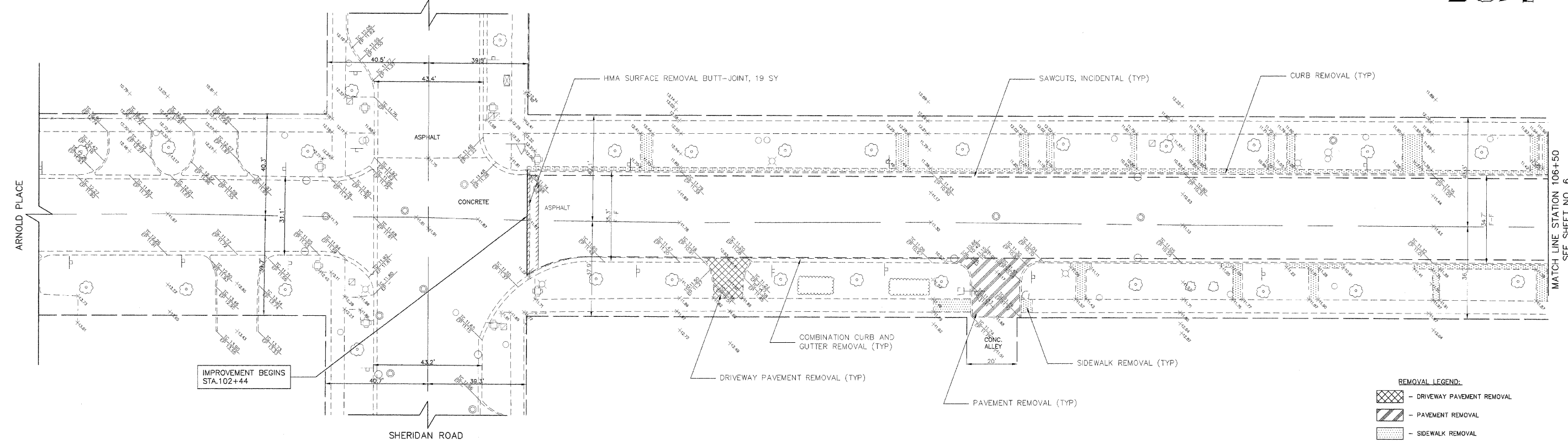
SCALE: N.T.S. SHEET NO. 4 OF 31 SHEETS STA. N.A. TO STA. N.A.

F.A.U. R.T.E. 2865	SECTION 08-00250-01-PV	COUNTY COOK	TOTAL SHEETS 31	SHEET NO. 4
ILLINOIS FED. AID PROJECT				CONTRACT NO. 63189



SOUTH BOULEVARD

REMOVAL PLAN



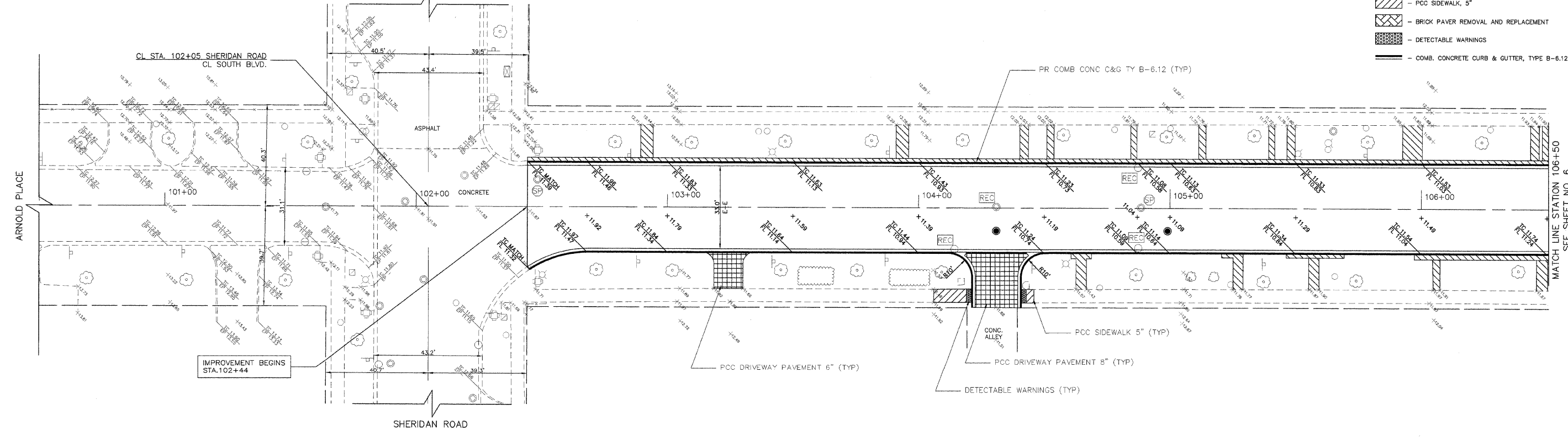
IMPROVEMENT BEGINS STA. 102+44

MATCH LINE STATION 106+50
SEE SHEET NO. 6

- REMOVAL LEGEND:**
- DRIVEWAY PAVEMENT REMOVAL
 - PAVEMENT REMOVAL
 - SIDEWALK REMOVAL

SOUTH BOULEVARD

IMPROVEMENT PLAN



IMPROVEMENT BEGINS STA. 102+44

MATCH LINE STATION 106+50
SEE SHEET NO. 6

- IMPROVEMENT LEGEND:**
- PCC DRIVEWAY PAVEMENT, 6" OR 8" (RESIDENTIAL APRONS 6" / ALLEYS 8")
 - PCC SIDEWALK, 5"
 - BRICK PAVER REMOVAL AND REPLACEMENT
 - DETECTABLE WARNINGS
 - COMB. CONCRETE CURB & GUTTER, TYPE B-6.12

PLANS PREPARED BY: CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 866-2924

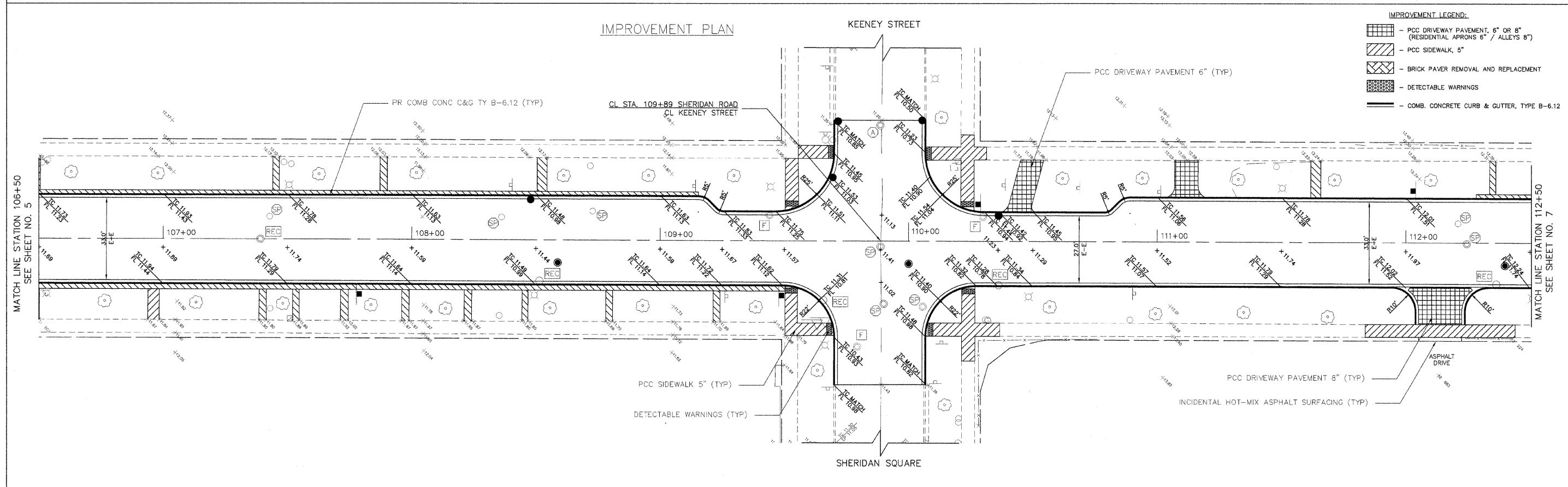
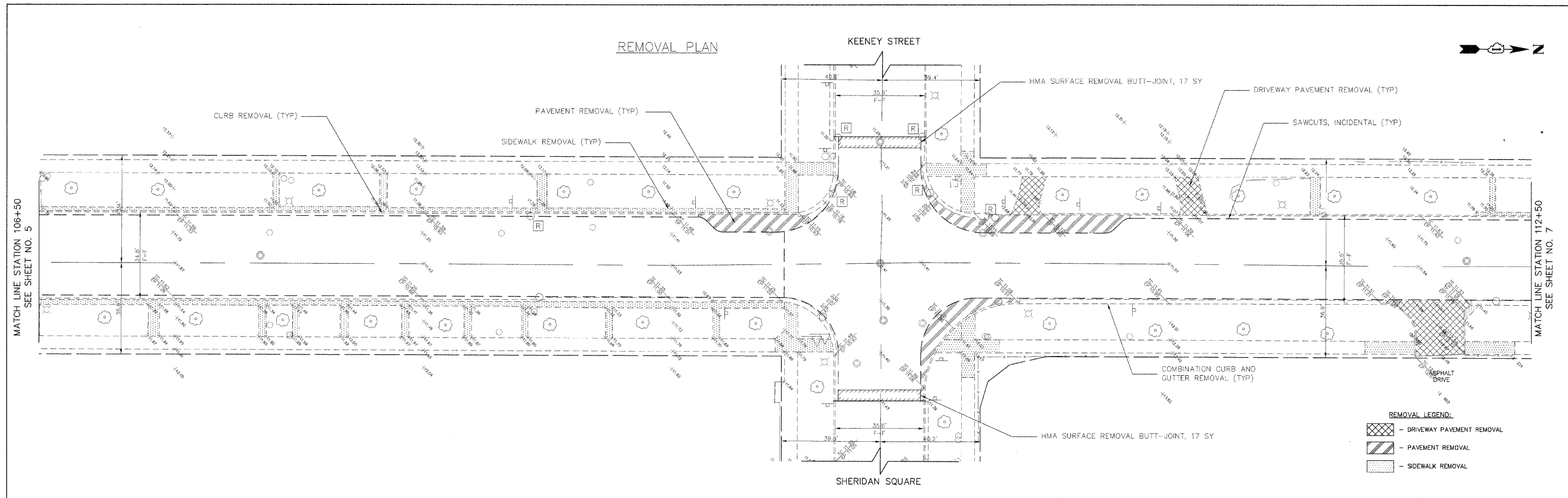
DESIGNED — DSM, AA	REVISED — 5/20/09 PER MWRD
DRAWN — DSM	REVISED — 5/20/09 PER IDOT
CHECKED — SM, PC	REVISED —
DATE — 2 / 3 / 2009	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND IMPROVEMENT PLANS
SHERIDAN ROAD

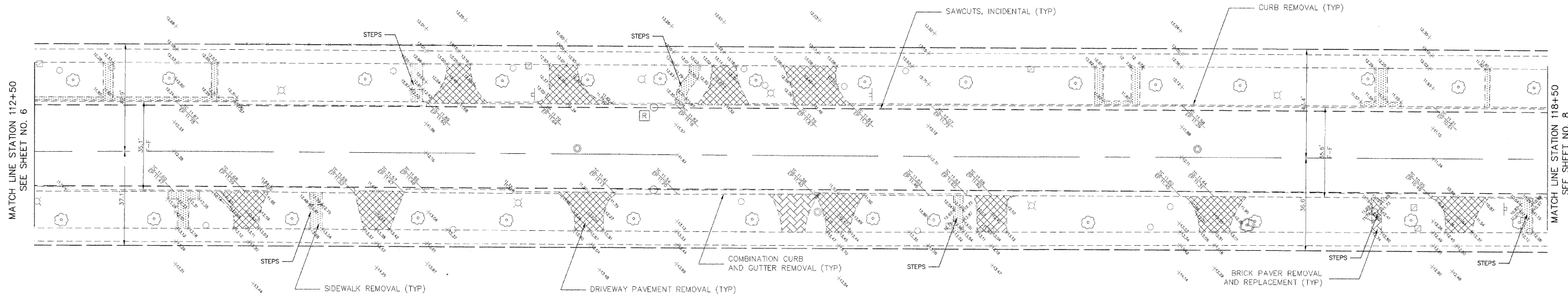
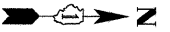
SCALE: 1" = 20' SHEET NO. 5 OF 31 SHEETS STA. 100+50 TO STA. 106+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2885	08-00250-01-PV	COOK	31	5
CONTRACT NO. 63189				
ILLINOIS FED. AID PROJECT				



PLANS PREPARED BY: CITY OF EVANSTON PUBLIC WORKS DEPARTMENT TRANSPORTATION AND ENGINEERING DIVISION PHONE: (847) 866-2924	DESIGNED — DSM, AA	REVISED — 5/20/09 PER MWRD	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL AND IMPROVEMENT PLANS SHERIDAN ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN — DSM	REVISED — 5/20/09 PER IDOT			2865	08-00250-01-PV	COOK	31	6
CHECKED — SM, PC	REVISED —		SCALE: 1" = 20'		SHEET NO. 6 OF 31 SHEETS		STA. 106+50 TO STA. 112+50		CONTRACT NO. 63189
DATE — 2 / 3 / 2009	REVISED —		ILLINOIS FED. AID PROJECT						

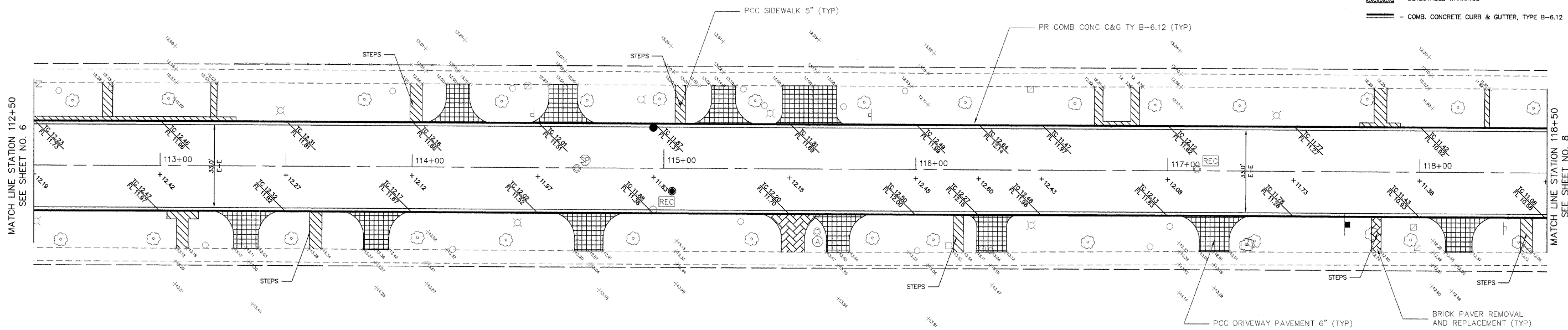
REMOVAL PLAN



- REMOVAL LEGEND:**
- DRIVEWAY PAVEMENT REMOVAL
 - PAVEMENT REMOVAL
 - SIDEWALK REMOVAL

IMPROVEMENT PLAN

- IMPROVEMENT LEGEND:**
- PCC DRIVEWAY PAVEMENT, 6" OR 8" (RESIDENTIAL APRONS 6" / ALLEYS 8")
 - PCC SIDEWALK, 5"
 - BRICK PAVER REMOVAL AND REPLACEMENT
 - DETECTABLE WARNINGS
 - COMB. CONCRETE CURB & GUTTER, TYPE B-6.12



PLANS PREPARED BY:



CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 896-2924

DESIGNED - DSM, AA
DRAWN - DSM
CHECKED - SN, PC
DATE - 2 / 3 / 2009

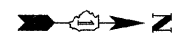
REVISED - 5/20/09 PER MWRD
REVISED - 5/20/09 PER IDOT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND IMPROVEMENT PLANS
SHERIDAN ROAD

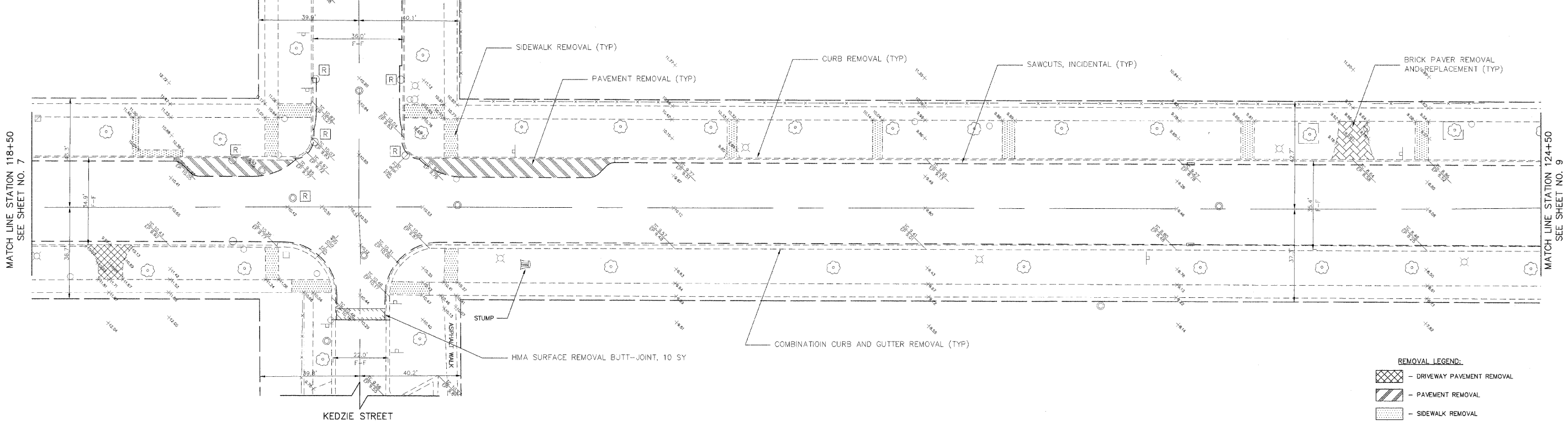
SCALE: 1" = 20' SHEET NO. 7 OF 31 SHEETS STA. 112+50 TO STA. 118+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	7
CONTRACT NO. 63189				
ILLINOIS FED. AID PROJECT				



MATCH LINE STATION 4+50
KEDZIE STREET
SEE SHEET NO. 10

REMOVAL PLAN



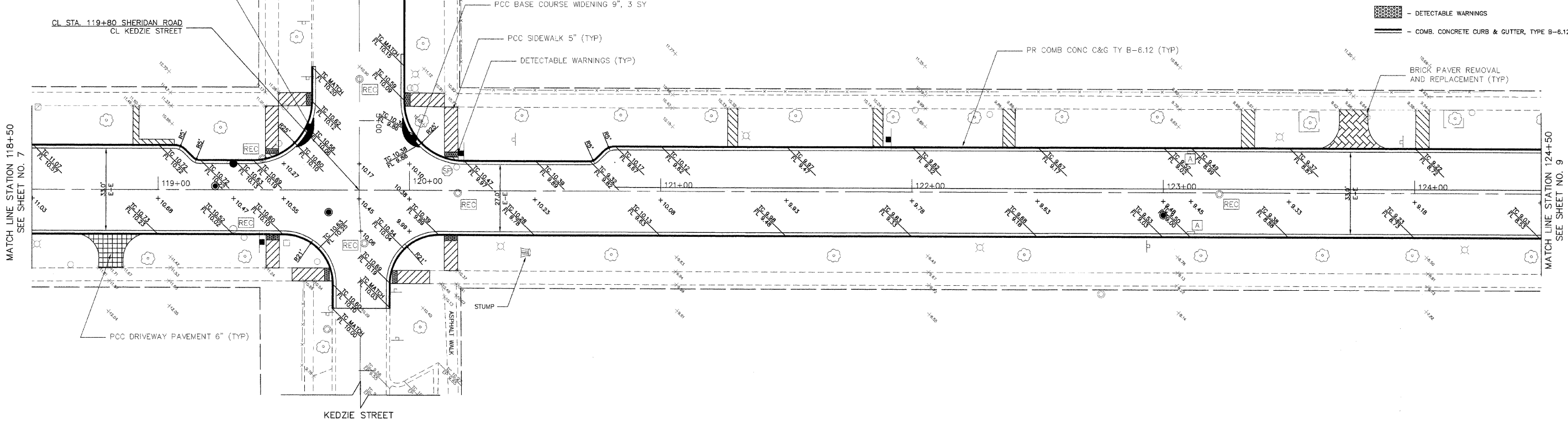
MATCH LINE STATION 118+50
SEE SHEET NO. 7

MATCH LINE STATION 124+50
SEE SHEET NO. 9

- REMOVAL LEGEND:**
- DRIVEWAY PAVEMENT REMOVAL
 - PAVEMENT REMOVAL
 - SIDEWALK REMOVAL

MATCH LINE STATION 4+50
KEDZIE STREET
SEE SHEET NO. 10

IMPROVEMENT PLAN



MATCH LINE STATION 118+50
SEE SHEET NO. 7

MATCH LINE STATION 124+50
SEE SHEET NO. 9

- IMPROVEMENT LEGEND:**
- PCC DRIVEWAY PAVEMENT, 6" OR 8" (RESIDENTIAL APRONS 6" / ALLEYS 8")
 - PCC SIDEWALK, 5"
 - BRICK PAVER REMOVAL AND REPLACEMENT
 - DETECTABLE WARNINGS
 - COMB. CONCRETE CURB & GUTTER, TYPE B-6.12

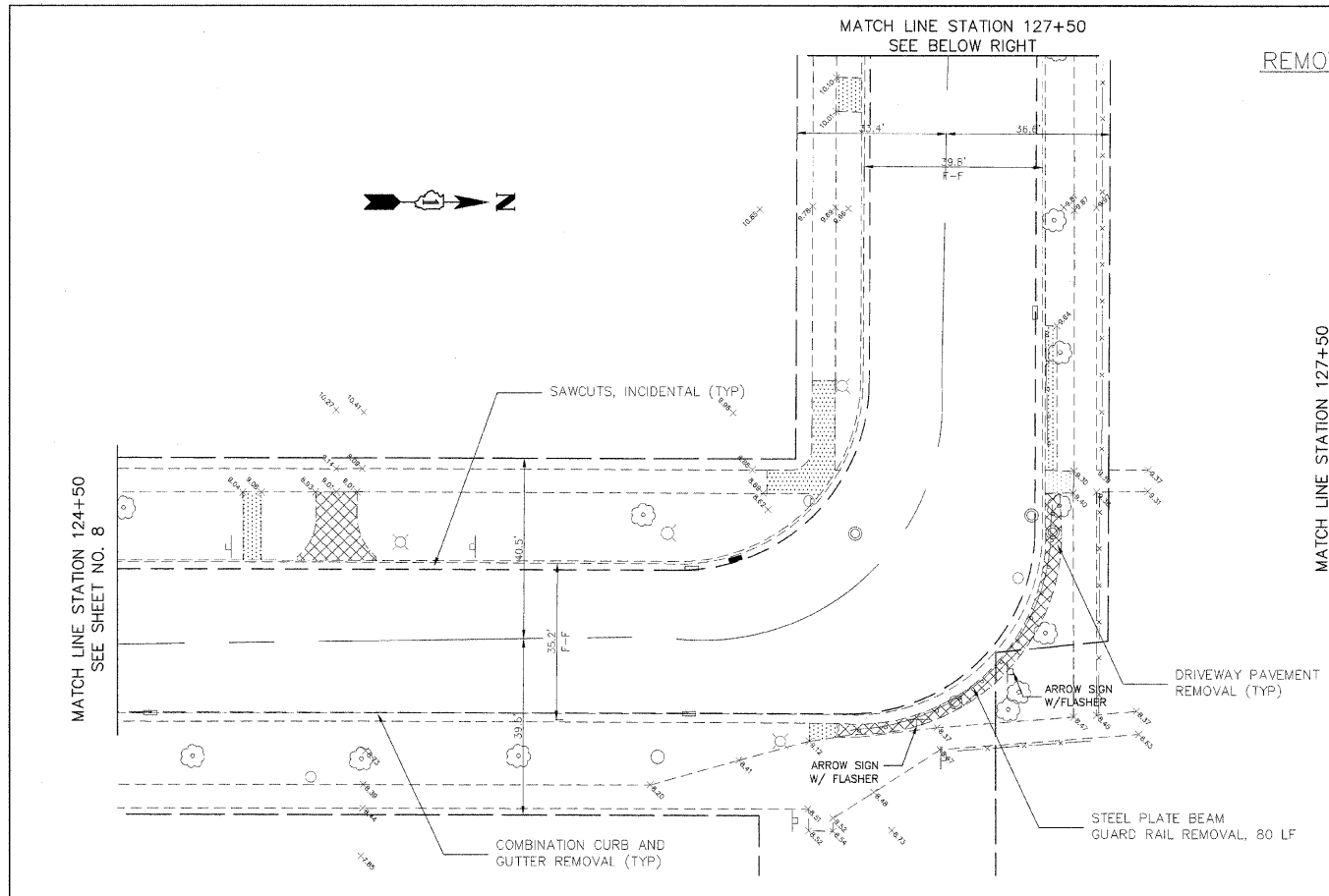
PLANS PREPARED BY: CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 896-2924

DESIGNED -- DSM, AA	REVISED -- 5/20/09 PER MWRD
DRAWN -- DSM	REVISED -- 5/20/09 PER IDOT
CHECKED -- SN, PC	REVISED --
DATE -- 2 / 3 / 2009	REVISED --

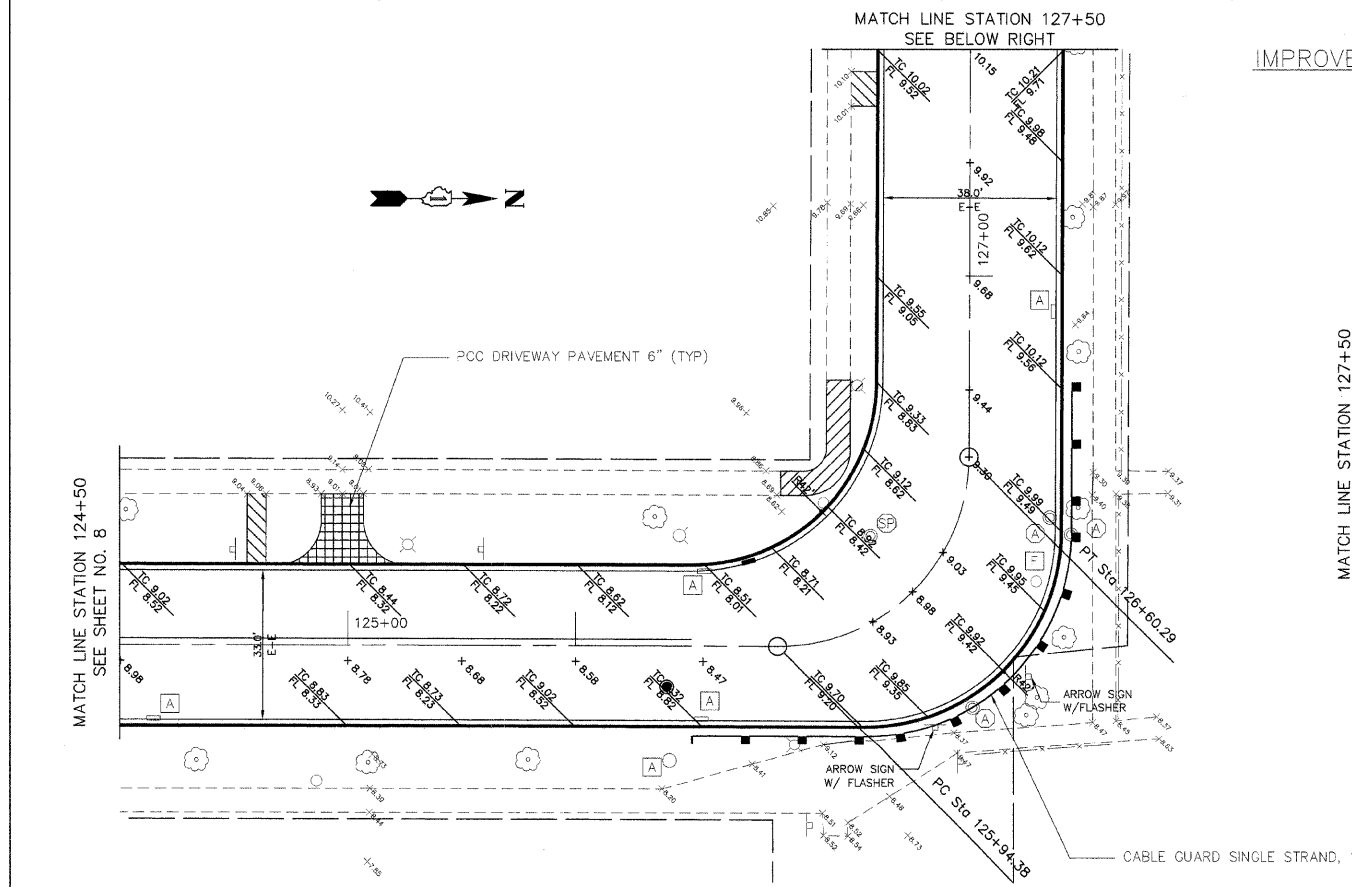
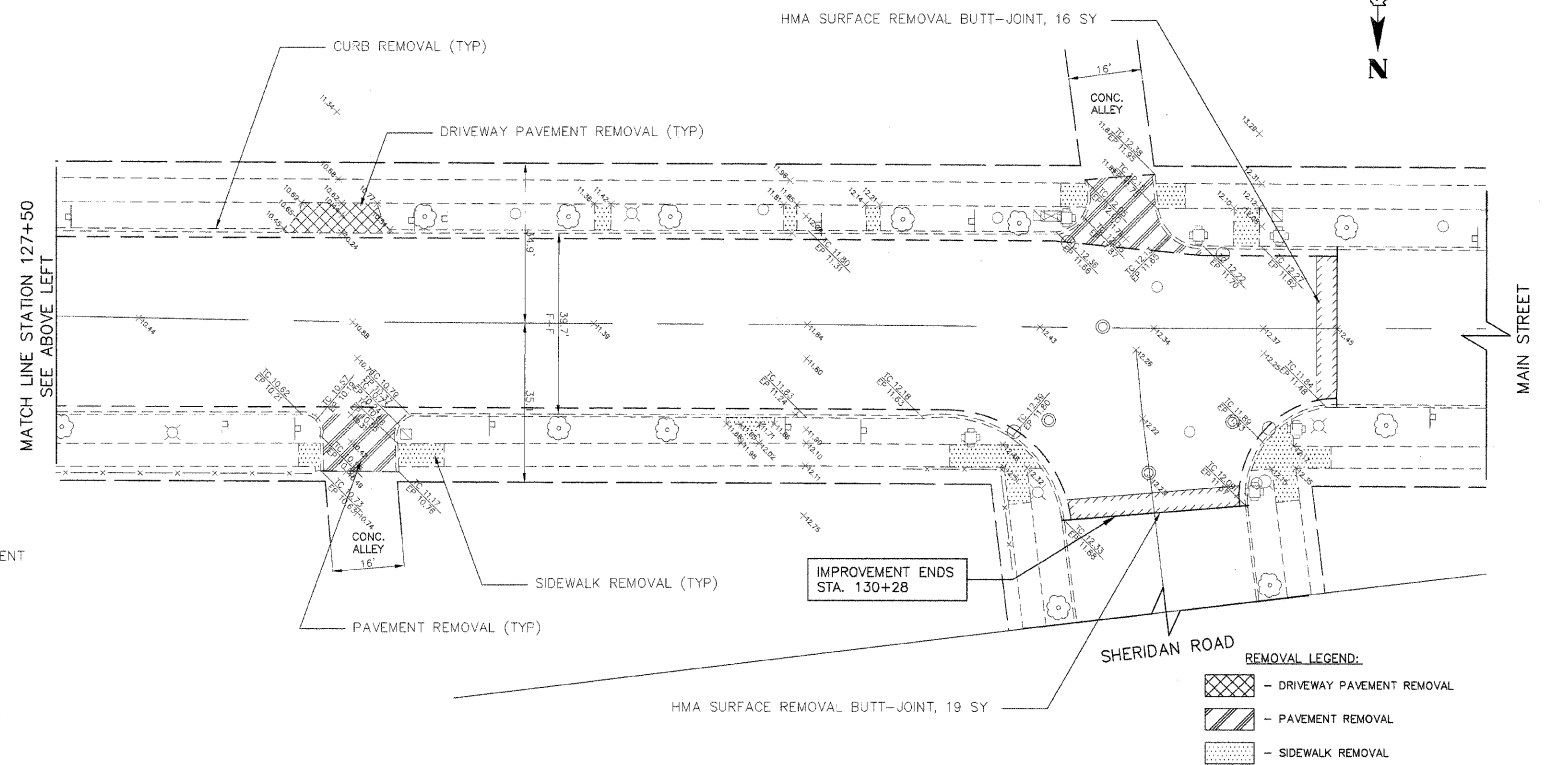
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND IMPROVEMENT PLANS
SHERIDAN ROAD
SCALE: 1" = 20'
SHEET NO. 8 OF 31 SHEETS
STA. 118+50 TO STA. 124+50

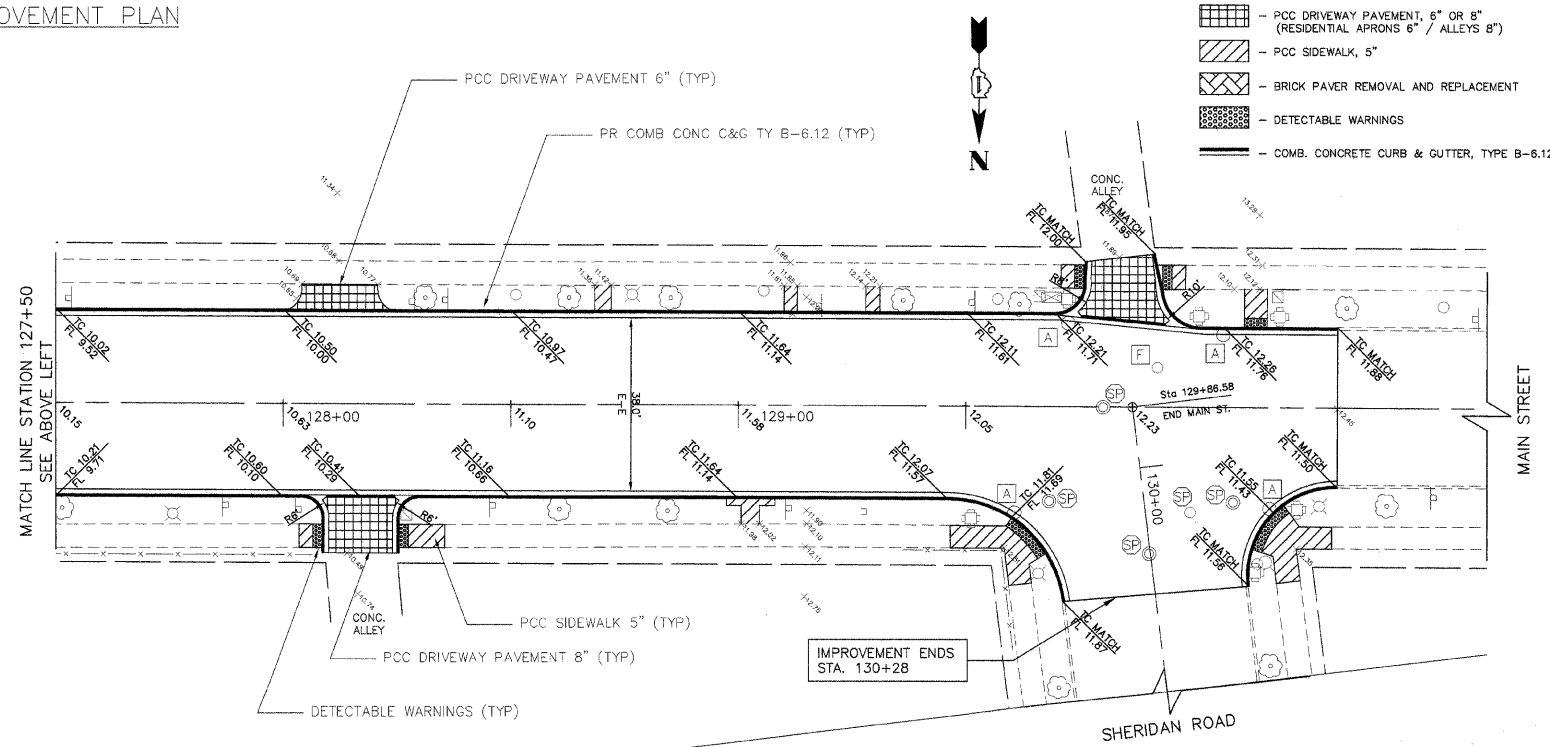
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	8
CONTRACT NO. 63189				
ILLINOIS FED. AID PROJECT				



REMOVAL PLAN



IMPROVEMENT PLAN



PLANS PREPARED BY: CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION AND ENGINEERING DIVISION
PHONE: (847) 856-2924

DESIGNED - DSM, AA	REVISED - 5/20/09 PER MWRD
DRAWN - DSM	REVISED - 5/20/09 PER IDOT
CHECKED - SV, PC	REVISED -
DATE - 2 / 3 / 2009	REVISED -

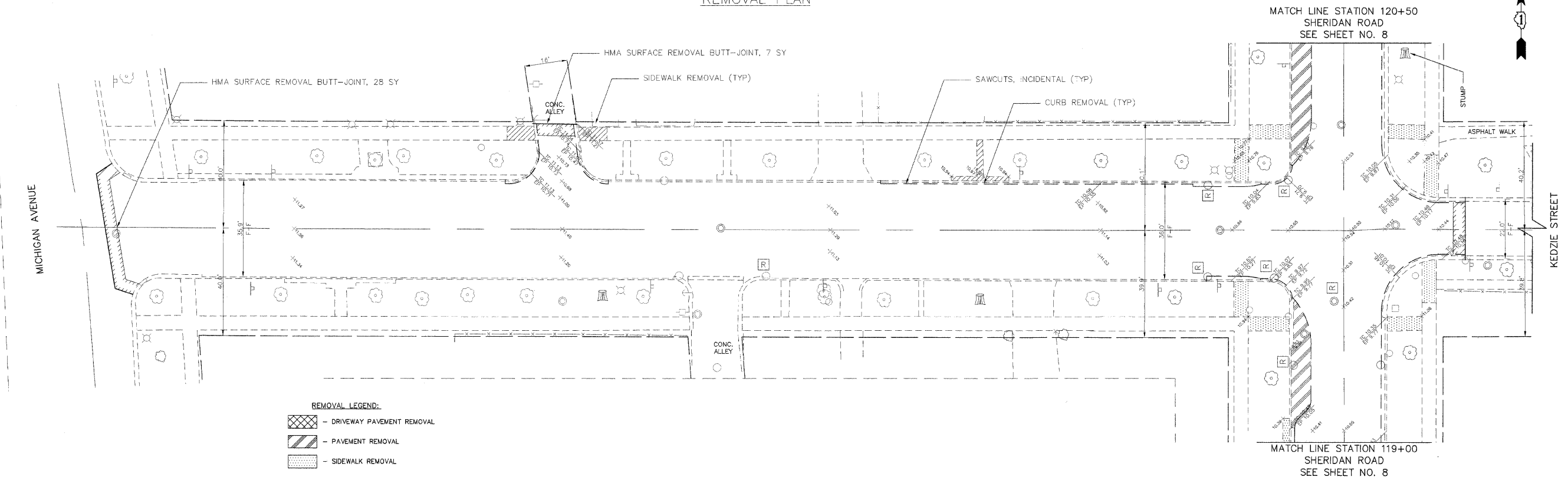
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND IMPROVEMENT PLANS
SHERIDAN ROAD

SCALE: 1" = 20' SHEET NO. 9 OF 31 SHEETS STA. 124+50 TO STA. 130+50

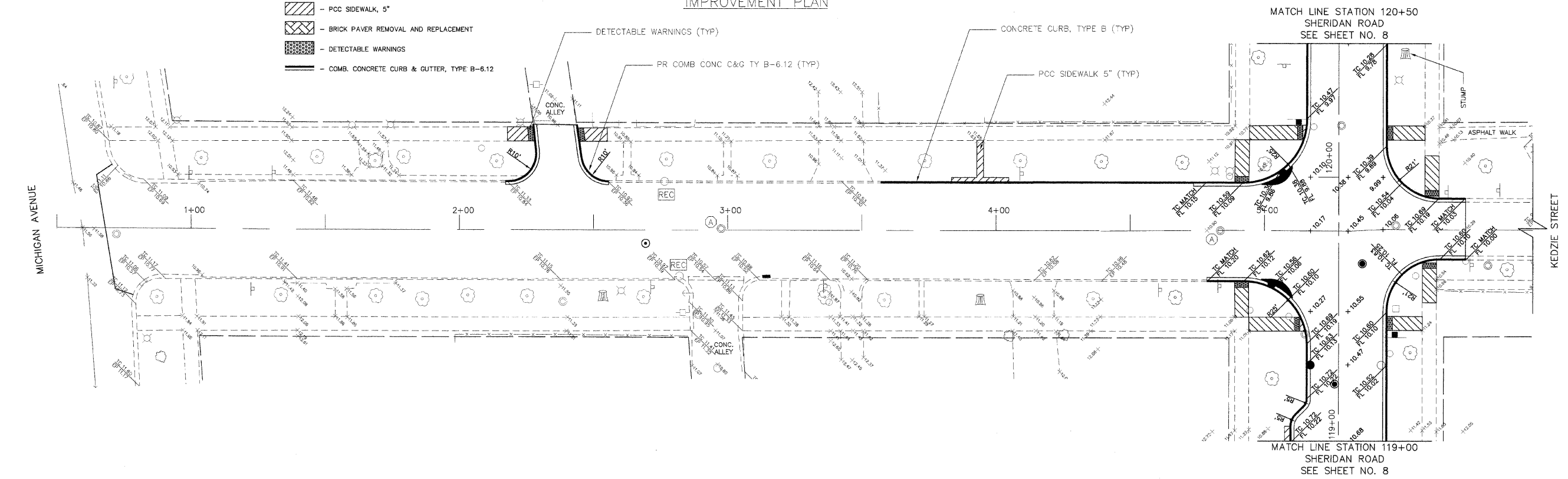
F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	9
CONTRACT NO. 63189				
ILLINOIS FED. AID PROJECT				

REMOVAL PLAN



- REMOVAL LEGEND:**
- DRIVEWAY PAVEMENT REMOVAL
 - PAVEMENT REMOVAL
 - SIDEWALK REMOVAL

IMPROVEMENT PLAN



- IMPROVEMENT LEGEND:**
- PCC DRIVEWAY PAVEMENT, 6" OR 8" (RESIDENTIAL APRONS 6" / ALLEYS 8")
 - PCC SIDEWALK, 5"
 - BRICK PAVER REMOVAL AND REPLACEMENT
 - DETECTABLE WARNINGS
 - COMB. CONCRETE CURB & GUTTER, TYPE B-6.12

PLANS PREPARED BY: CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION AND ENGINEERING DIVISION
PHONE: (847) 856-2924

DESIGNED — DSM, AA	REVISED — 5/20/09 PER MWRD
DRAWN — DSM	REVISED — 5/20/09 PER IDOT
CHECKED — SN, PC	REVISED —
DATE — 2 / 3 / 2009	REVISED —

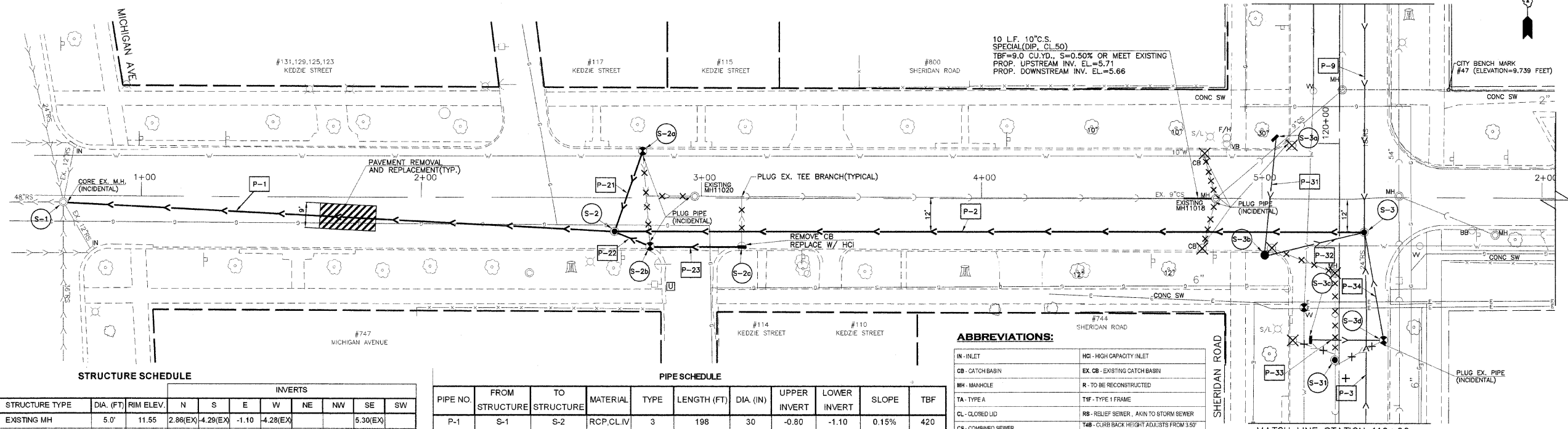
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL AND IMPROVEMENT PLANS
KEDZIE STREET

SCALE: 1" = 20' SHEET NO. 10 OF 31 SHEETS STA. 0+00 TO STA. 6+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	10
CONTRACT NO. 63189				
ILLINOIS FED. AID PROJECT				

KEDZIE STREET
MICHIGAN AVENUE TO SHERIDAN ROAD
(ASPHALT OVER MACADAM)



STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA. (FT)	RIM ELEV.	INVERTS							
						N	S	E	W	NE	NW	SE	SW
S-1	0+72	2.50'RT	EXISTING MH	5.0'	11.55	2.86(EX)	4.29(EX)	-1.10	4.28(EX)				5.30(EX)
S-2	2+70	12.00'RT	MH TA TIF CL	5.0'	10.8			-0.71	-0.80	5.63			5.63
S-2a	2+79	18.00'LT	EX.CB R M6G T4B 7035	4.0'	10.04		PLUG						5.78
S-2b	2+81.6	18.00'RT	EX.CB R M1G 7045	4.0'	10.39	PLUG		6.00					5.70
S-2c	3+14.4	18.00'RT	HCI M6G T4B 7035	2.0'x3.0'	10.52	PLUG			6.17				

PIPE SCHEDULE

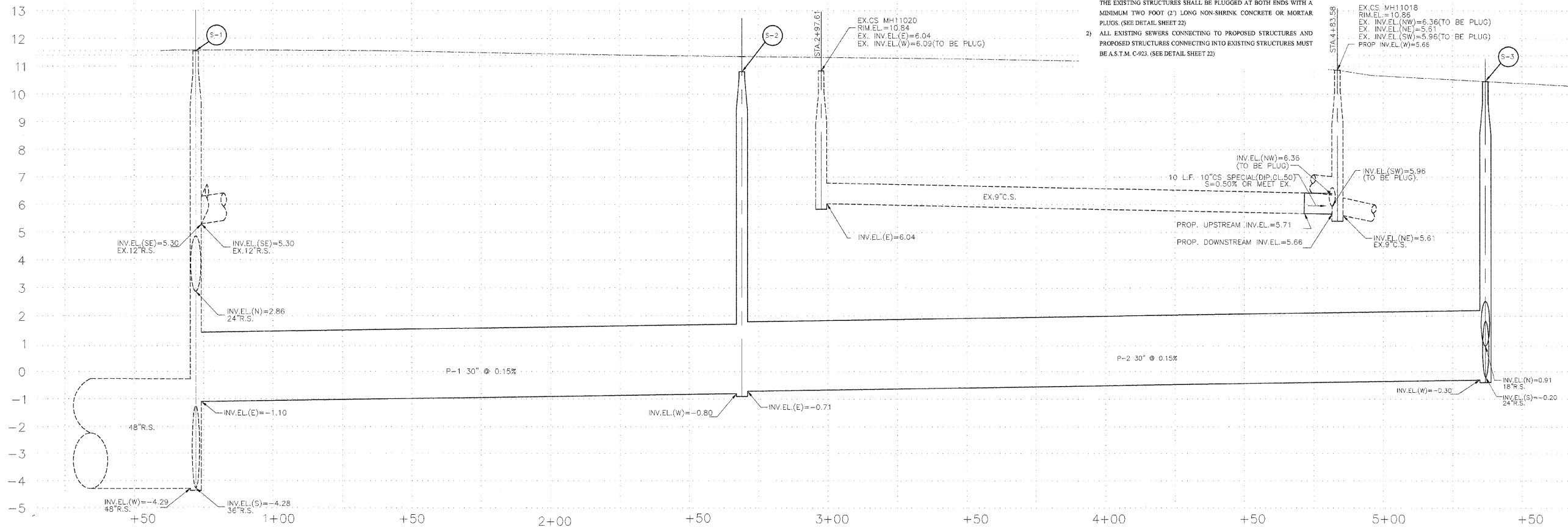
PIPE NO.	FROM STRUCTURE	TO STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER	LOWER	SLOPE	TBF
							INVERT	INVERT		
P-1	S-1	S-2	RCP,CL.1V	3	198	30	-0.80	-1.10	0.15%	420
P-2	S-2	S-3	RCP,CL.1V	3	271	30	-0.30	-0.71	0.15%	499
P-21	S-2	S-2a	DIP,CL.50	SPECIAL	30	12	5.80	5.65	0.50%	20
P-22	S-2	S-2b	DIP,CL.50	SPECIAL	14	12	5.70	5.63	0.50%	9
P-23	S-26	S-2c	DIP,CL.50	SPECIAL	33	10	6.17	6.00	0.50%	22

ABBREVIATIONS:

IN - INLET	HCI - HIGH CAPACITY INLET
CB - CATCH BASIN	EX. CB - EXISTING CATCH BASIN
MH - MANHOLE	R - TO BE RECONSTRUCTED
TA - TYPE A	TIF - TYPE 1 FRAME
CL - CLOSED LID	RS - RELIEF SEWER, SKIN TO STORM SEWER
CS - COMBINED SEWER	T4B - CURB BACK HEIGHT ADJUSTS FROM 3.60' TO 9.00'
M6G - TYPE M6 GRATE (VANE)	M1G - TYPE M1 GRATE (BINUSOIDAL)
7035 - EAST JORDAN IRON WORKS DESIGNATION	7045 - EAST JORDAN IRON WORKS DESIGNATION

NOTES:

- ALL ABANDONED SEWERS AND/OR EXISTING REMOVED SEWERS FROM THE EXISTING STRUCTURES SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM TWO FOOT (2') LONG NON-SHRINK CONCRETE OR MORTAR PLUGS. (SEE DETAIL SHEET 22)
- ALL EXISTING SEWERS CONNECTING TO PROPOSED STRUCTURES AND PROPOSED STRUCTURES CONNECTING INTO EXISTING STRUCTURES MUST BE A.S.T.M. C-923. (SEE DETAIL SHEET 22)



PLANS PREPARED BY:



CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 856-2924

DESIGNED - DSM,AA
DRAWN - DSM
CHECKED - SN, PC
DATE - 2 / 3 / 2009

REVISED - 5/20/09 PER MWRD
REVISED - 5/20/09 PER IDOT
REVISED -
REVISED -

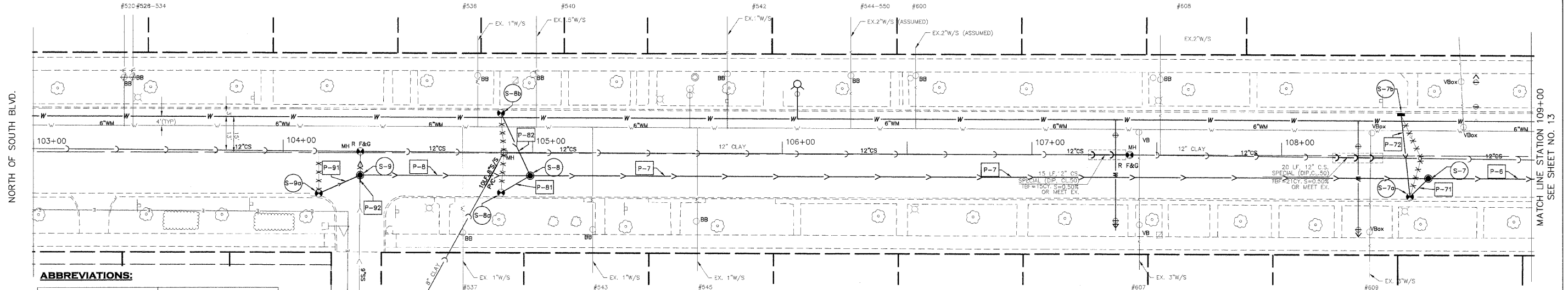
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RELIEF SEWER IMPROVEMENT PLANS
KEDZIE STREET

SCALE: 1" = 20'
SHEET NO. 11 OF 31 SHEETS
STA. 119+00 TO STA. 120+50

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	11
CONTRACT NO. 63189				
ILLINOIS FED. AID PROJECT				

SHERIDAN ROAD SOUTH BOULEVARD TO MAIN STREET



ABBREVIATIONS:

IN - INLET	HCI - HIGH CAPACITY INLET
CB - CATCH BASIN	EX. CB - EXISTING CATCH BASIN
MH - MANHOLE	R - TO BE RECONSTRUCTED
TA - TYPE A	T1F - TYPE 1 FRAME
CL - CLOSED LID	RS - RELIEF SEWER, AKIN TO STORM SEWER
CS - COMBINED SEWER	T4B - CURB BACK HEIGHT ADJUSTS FROM 3.50' TO 6.00'
MIG - TYPE M8 GRATE (VANE)	M1G - TYPE M1 GRATE (SINUSOIDAL)
7035 - EAST JORDAN IRON WORKS DESIGNATION	7045 - EAST JORDAN IRON WORKS DESIGNATION

STRUCTURE SCHEDULE

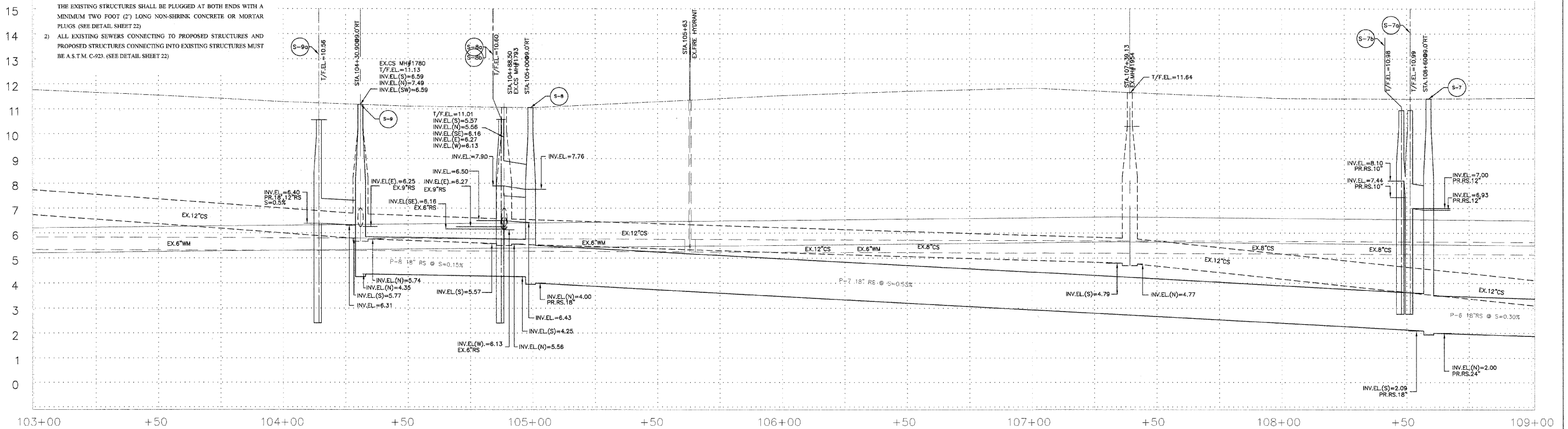
STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA. (FT)	RM ELEV.	INVERTS											
						N	S	E	W	NE	NW	SE	SW				
S-7	106+00.00	9.0RT	MH TA T1F CL	4.0'	11.30	2.00	2.00										
S-7a	106+51.40	16.5RT	EX. CB R M1G 7045	4.0'	11.02				7.44		7.00						
S-7b	106+47.00	16.3LT	HCI M1G T4B 7035	2.0x3.0'	11.00			8.10									
S-8	106+00.00	9.0RT	MH TA T1F CL	4.0'	10.92	4.00	4.25										
S-8a	104+97.30	15.55RT	EX. CB R M1G T4B 7035	4.0'	10.59												
S-8b	104+97.30	16.20LT	EX. CB R M1G T4B 7035	4.0'	10.58												
S-9	104+31.00	9.00RT	MH TA T1F CL	4.0'	11.10	4.35			6.25								
S-9a	104+14.25	15.35RT	EX. CB R M1G T4B 7035	4.0'	10.88												

PIPE SCHEDULE

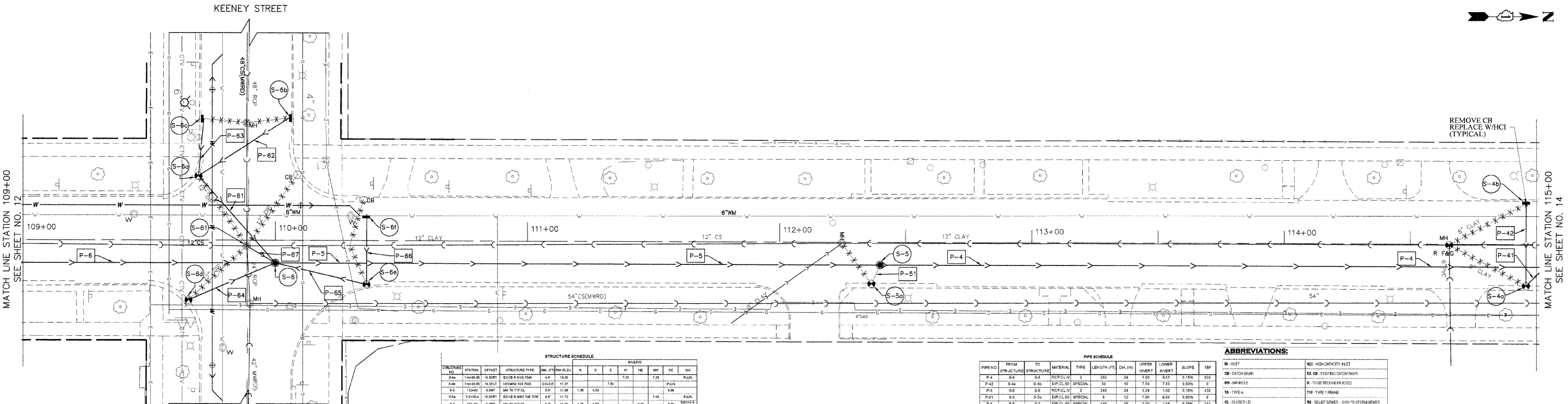
PIPE NO.	FROM STRUCTURE	TO STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TBF
P-7	S-7	S-8	DIP. CL. 50	SPECIAL	30	18	4.00	2.00	0.53%	496
P-7a	S-7	S-7a	DIP. CL. 50	SPECIAL	19	12	7.00	6.93	0.50%	5
P-7b	S-7	S-7b	DIP. CL. 50	SPECIAL	33	10	8.30	7.44	0.50%	3
P-8	S-8	S-9	DIP. CL. 50	SPECIAL	69	18	5.74	4.23	0.15%	63
P-8a	S-8	S-8a	DIP. CL. 50	SPECIAL	13	12	6.50	6.43	0.50%	5
P-8b	S-8	S-8b	DIP. CL. 50	SPECIAL	28	12	7.90	7.76	0.50%	7
P-9	S-9	S-9a	DIP. CL. 50	SPECIAL	18	12	6.40	6.31	0.50%	12
P-9a	S-9	S-9a	EX. PIPE	DIP. CL. 50	3	10	6.20	6.25	0.5% OR EX.	3

NOTES:

- ALL ABANDONED SEWERS AND/OR EXISTING REMOVED SEWERS FROM THE EXISTING STRUCTURES SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM TWO FOOT (2') LONG NON-SHRINK CONCRETE OR MORTAR PLUGS (SEE DETAIL SHEET 22)
- ALL EXISTING SEWERS CONNECTING TO PROPOSED STRUCTURES AND PROPOSED STRUCTURES CONNECTING INTO EXISTING STRUCTURES MUST BE A.S.T.M. C-923. (SEE DETAIL SHEET 22)



SHERIDAN ROAD
SOUTH BOULEVARD TO MAIN STREET



STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DA (FT)	HA (ELEV.)	N	S	E	W	NE	NW	SE	SW
S-6a	109+88.86	18.00RT	EX. CR. W/10 TREN	4.07	10.20					7.00	7.00		
S-6b	109+88.86	18.00LT	EX. CR. W/10 TREN	20.00	11.27					7.00	7.00		
S-5a	112+04.4	14.00RT	EX. CR. W/10 TREN	4.07	11.72					7.00	7.00		
S-5b	112+04.4	14.00LT	EX. CR. W/10 TREN	20.00	12.79					7.00	7.00		
S-4a	114+95.80	18.00RT	EX. CR. W/10 TREN	4.07	11.20					7.00	7.00		
S-4b	114+95.80	18.00LT	EX. CR. W/10 TREN	20.00	12.27					7.00	7.00		

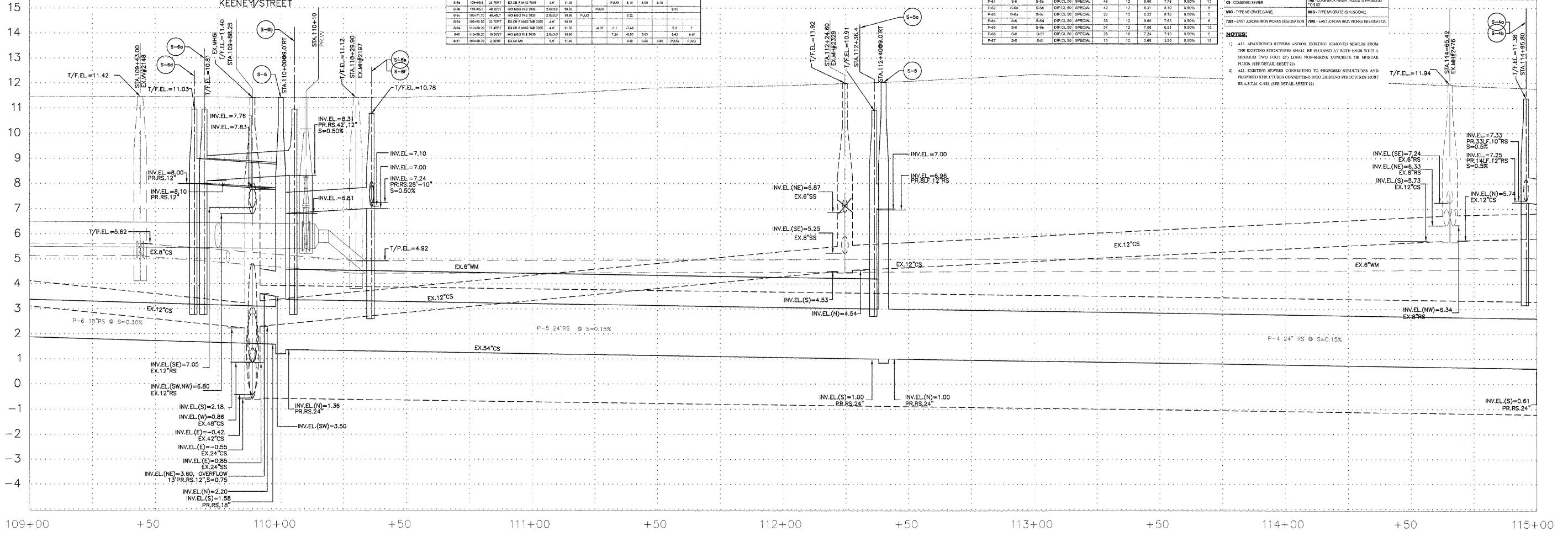
PIPE SCHEDULE

PIPE NO.	FROM	TO	MATERIAL	TYPE	LENGTH (FT)	DI. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TRF
P-6	S-6	S-5	12" CS	SPECIAL	100	36	1.00	0.61	0.15%	556
P-5	S-5	S-4	12" CLAY	SPECIAL	33	30	7.50	7.50	0.00%	5
P-4	S-4	MANHOLE	54" CS(MARO)	SPECIAL	12	42	6.31	6.10	0.30%	8

ABBREVIATIONS:

IN. INLET	HC - HIGH CAPACITY INLET
CB - CATCH BASIN	EX. CB - EXISTING CATCH BASIN
MANHOLE	R - TO BE RECONSTRUCTED
TA - TIE	TIE - TIE FRAME
EL - CLOSED	NE - RELIEF INVERT - ADV TO STORM SEWER
CS - COMBINED SEWER	CS - COMBINED SEWER
MS - TYPE 16 GRATE (S&S)	MS - TYPE 16 GRATE (S&S)
MS - TYPE 16 GRATE (S&S)	MS - TYPE 16 GRATE (S&S)

- NOTES:**
- ALL ABANDONED BENEATH AND/OR EXISTING REMOVED SEWERS FROM THE EXISTING STRUCTURES SHALL BE PLACED AT BOTH ENDS WITH A BRIDGE TWO FEET (2) LONG NON-REINFORCED CONCRETE OR METAL FLUX. (SEE DETAIL SHEET 2)
 - ALL EXISTING SEWERS CONNECTING TO PROPOSED STRUCTURES AND PROPOSED STRUCTURES CONNECTING INTO EXISTING STRUCTURES MUST BE A 3/4" C-101. (SEE DETAIL SHEET 2)



PLANS PREPARED BY: CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION AND ENGINEERING DIVISION
PHONE: (847) 866-2924

DESIGNED - DSM, AA
DRAWN - DSM
CHECKED - SN, PC
DATE - 2 / 3 / 2009

REVISED - 5/20/09 PER MWRD
REVISED - 5/20/09 PER IDOT
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RELIEF SEWER IMPROVEMENT PLANS
SHERIDAN ROAD

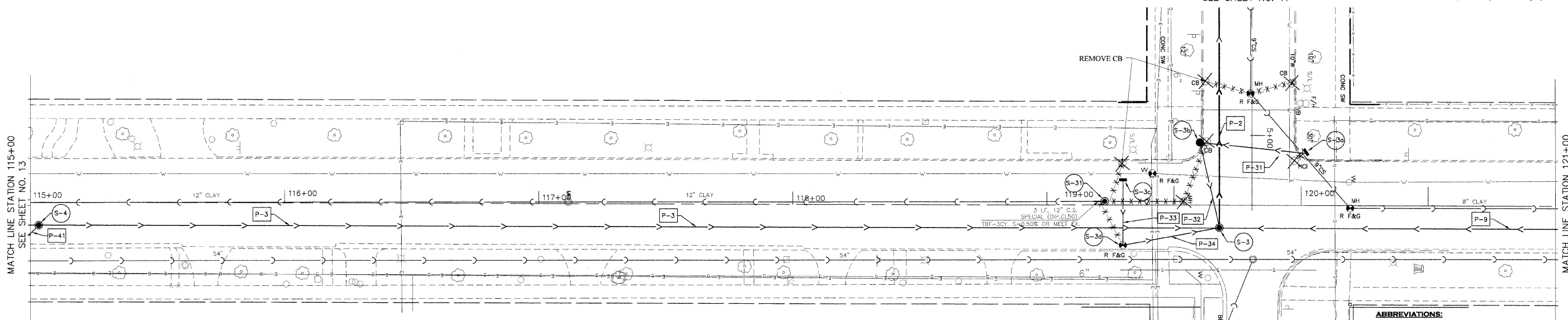
SCALE: 1" = 20'
SHEET NO. 13 OF 31 SHEETS
STA. 109+00 TO STA. 115+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2885	08-00250-01-PV	COOK	31	13

CONTRACT NO. 63189
ILLINOIS FED. AID PROJECT

SHERIDAN ROAD
SOUTH BOULEVARD TO MAIN STREET

KEDZIE STREET
MATCH LINE STATION 4+50
SEE SHEET NO. 11



STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA. (FT)	RM ELEV.	INVERTS								
						N	S	E	W	NE	NW	SE	SW	
S-3	119+88	9.0RT	MH TA TIF CL	5.0	10.34	9.91	-0.20		-0.30					6.78
S-3a	120+1.50	20.65LT	HCI M&G T&B 7035	2.0x3.0'	6.87								PLUG	
S-3b	119+00.25	24.85RT	EX CB R M1G 7045	4.0	10.08	6.88							6.78	
S-3c	119+29.95	10.50LT	HCI M&G T&B 7035	2.0x3.0'	10.17								6.08	
S-3d	119+29.95	15.90RT	EX CB R M&G T&B 7035	4.0	10.02							7.93	7	
S-31	119+22.75	1.50 LT	MH TA TIF CL	4.0	10.42	PLUG	71.9						PLUG	PLUG
S-4	116+00	9.0RT	MH TA TIF CL	5.0	11.70	0.51	0.51							7.18

PIPE SCHEDULE

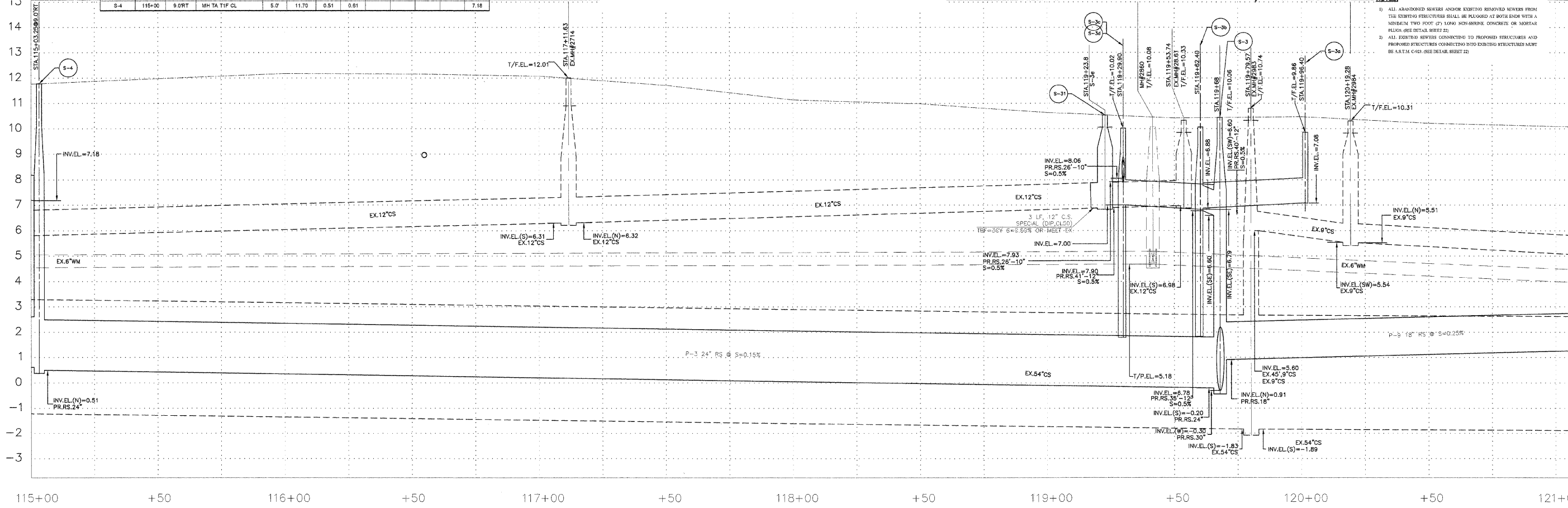
PIPE NO.	FROM STRUCTURE	TO STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	T&B
P-3	S-3	S-4	RCP CL 1/4	3	468	24	0.51	-0.20	0.15%	798
P-31	S-3b	S-3a	DIP CL 50	SPECIAL	40	12	7.08	6.88	0.50%	10
P-32	S-3	S-3b	DIP CL 50	SPECIAL	35	12	6.78	6.80	0.50%	10
P-33	S-3c	S-3d	DIP CL 50	SPECIAL	28	10	8.06	7.93	0.50%	4
P-34	S-3	S-3d	DIP CL 50	SPECIAL	41	12	7.00	6.79	0.50%	11
P-41	S-4	S-4a	DIP CL 50	SPECIAL	14	12	7.25	7.18	0.50%	5

ABBREVIATIONS:

IN. INLET	MH - HIGH CAPACITY MANHOLE
CB - CATCH BASIN	EX. CB - EXISTING CATCH BASIN
MH - MANHOLE	A - TO BE RECONSTRUCTED
TA - TIE AREA	TIF - TYPE I FRAME
CL - CLOSED END	R - RELIEF SEWER, A - TO STORM SEWER
CB - COMBINED SEWER	T&B - CONGRUENT ADJUST FROM L&P
M&G - TYPE M GROUND	M&G - TYPE M GROUND (REDESIGN)
T&B - EAST JORDAN ROW WORKS DESIGNATION	T&B - EAST JORDAN ROW WORKS DESIGNATION

NOTES:

- ALL ABANDONED SEWERS AND/OR EXISTING REMOVED SEWERS FROM THE EXISTING STRUCTURES SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM TWO FOOT (2') LONG NON-SHREK CONCRETE OR MORTAR PILE (SEE DETAIL SHEET 2).
- ALL EXISTING SEWERS CONNECTING TO PROPOSED STRUCTURES AND PROPOSED STRUCTURES CONNECTING INTO EXISTING STRUCTURES MUST BE AS SHOWN (SEE DETAIL SHEET 2).



PLANS PREPARED BY:
CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 866-2924

DESIGNED - DSM, AA
DRAWN - DSM
CHECKED - SN, PC
DATE - 2 / 3 / 2009

REVISED - 5/20/09 PER MWRD
REVISED - 5/20/09 PER IDOT
REVISED -
REVISED -

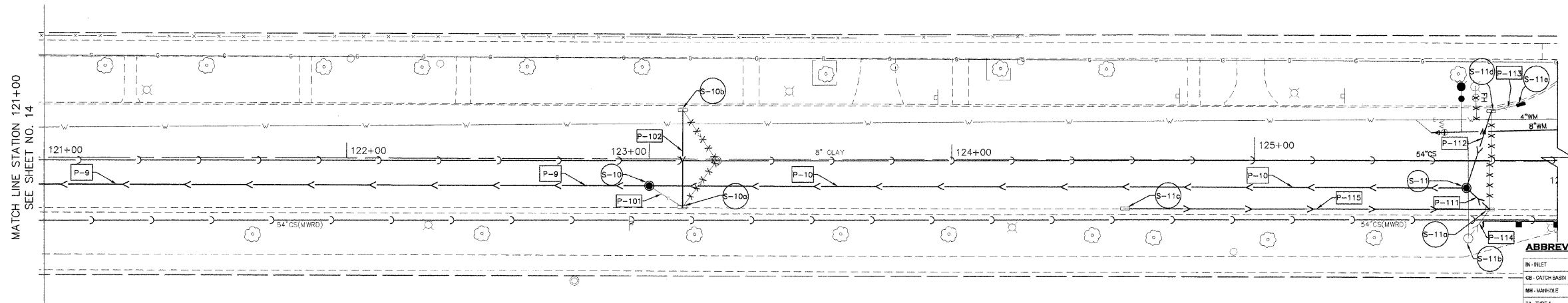
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RELIEF SEWER IMPROVEMENT PLANS
SHERIDAN ROAD

SCALE: 1" = 20'
SHEET NO. 14 OF 31 SHEETS
STA. 115+00 TO STA. 121+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63189	

SHERIDAN ROAD
SOUTH BOULEVARD TO MAIN STREET



ABBREVIATIONS:

IN - INLET	HC - HIGH CAPACITY INLET
CB - CATCH BASIN	EX. CB - EXISTING CATCH BASIN
MM - MANHOLE	R - TO BE RECONSTRUCTED
TA - TYPE A	TIF - TYPE I FRAME
CL - CLOSED LID	RS - RELIEF SEWER, ANN TO STORM SEWER
MS - TYPE MS GRATE (MANE)	TAB - CURB BACK HEIGHT ADJUSTS FROM 3.5' TO 0'
MS - TYPE MS GRATE (MWD)	MIG - TYPE III GRATE (MUSCADA)
7535 - EAST JORDAN IRON WORKS DESIGNATION	7545 - EAST JORDAN IRON WORKS DESIGNATION

STRUCTURE SCHEDULE

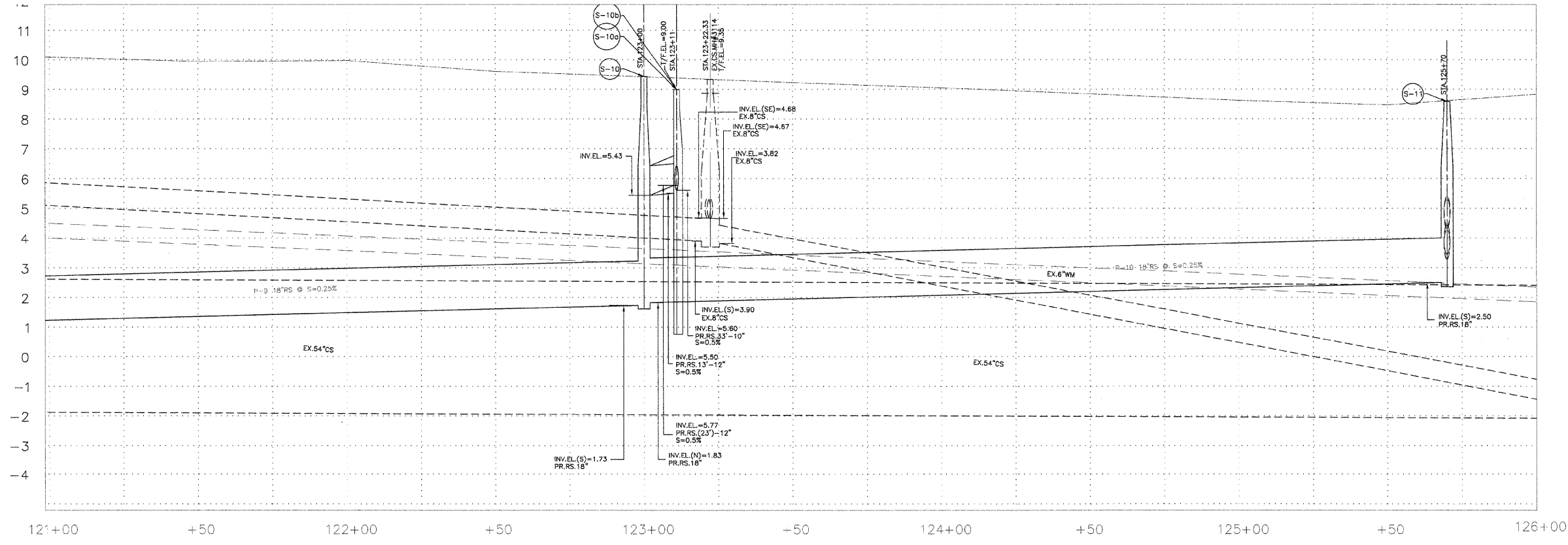
STRUCTURE NO.	STATION	OFFSET	STRUCTURE TYPE	DIA. (FT)	RM ELEV.	INVERTS										
						N	S	E	W	NE	NW	SE	SW			
S-10	123+00.00	8.0RT	MH TA TYP CL	4.0'	9.32	1.83	1.73			5.43						
S-10a	123+11.05	15.89RT	EX. CB	4.0'	9.00					5.68						
S-10b	123+11.05	18.20LT	EX. CB	4.0'	8.99				5.77						PLUG	
S-11	125+70.00	9.30RT	MH TA TYP CL	4.0'	8.34			2.6		4.33	2.30					
S-11a	125+71.70	16.16RT	EX. CB	4.0'											PLUG	EX.
S-11b	125+70.00	25.66RT	EX. IN	2.0'												EX.
S-11c	124+57.25	18.76RT	EX. HCl	2.0x3.0'			EX.									
S-11d	125+70.30	18.90LT	EX. CB R 8x10 T248	4.0'											3.85	3.45
S-11e	125+48.30	19.92LT	HC M90 T48 T035	2.0x3.0'	8.42											3.8

PIPESCHEDULE

PIPE NO.	FROM STRUCTURE	TO STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA. (IN)	UPPER INVERT	LOWER INVERT	SLOPE	TYP
P-9	S-3	S-10	RCP/CL 18"	2	332	18"	1.73	0.91	0.26%	451
P-10	S-10	S-11	RCP/CL 18"	2	270	18"	2.50	1.83	0.26%	274
P-101	S-10	S-10a	DP/CL 50"	SPECIAL	13	12"	8.90	8.43	0.60%	5
P-102	S-10a	S-10b	DP/CL 50"	SPECIAL	23	10"	5.77	5.60	0.60%	5
P-111	S-11	S-11a	DP/CL 50"	SPECIAL	14	12"	4.40	4.33	0.60%	4
P-112	S-11	S-11b	DP/CL 50"	SPECIAL	29	12"	3.45	3.30	0.60%	4
P-113	S-11a	S-11b	DP/CL 50"	SPECIAL	10	12"	3.64	3.55	0.60%	3
P-114	S-11a	S-11c	EXIST.							
P-115	S-11a	S-11e	EXIST.							

NOTES:

- ALL ABANDONED SEWERS AND/OR EXISTING REMOVED SEWERS FROM THIS EXISTING STRUCTURES SHALL BE FLOODED AT BOTH ENDS WITH A MINIMUM TWO FOOT (2') LONG NON-SUBSIDING CONCRETE OR METAL FLUOR (SEE DETAIL SHEET 22)
- ALL EXISTING SEWERS CONNECTING TO PROPOSED STRUCTURES AND PROPOSED STRUCTURES CONNECTING INTO EXISTING STRUCTURES MUST BE A.S.T.M. C-921 (SEE DETAIL SHEET 22)



PLANS PREPARED BY:
CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 866-2924

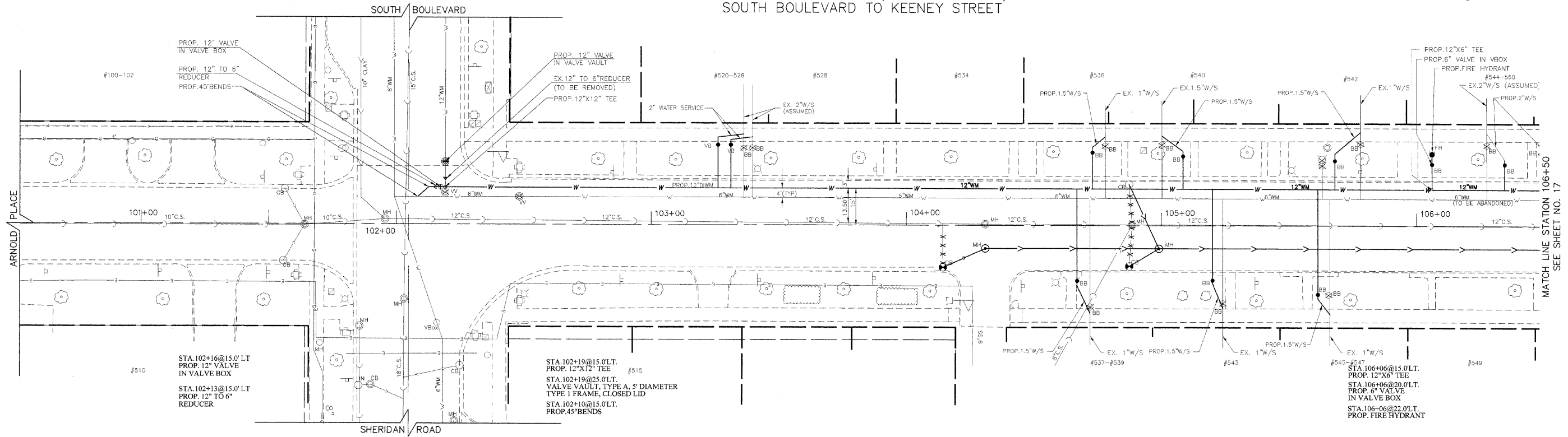
DESIGNED	— DSM, AA	REVISED	— 5/20/09 PER MWRD
DRAWN	— DSM	REVISED	— 5/20/09 PER IDCT
CHECKED	— SN, PC	REVISED	—
DATE	— 2 / 3 / 2009	REVISED	—

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

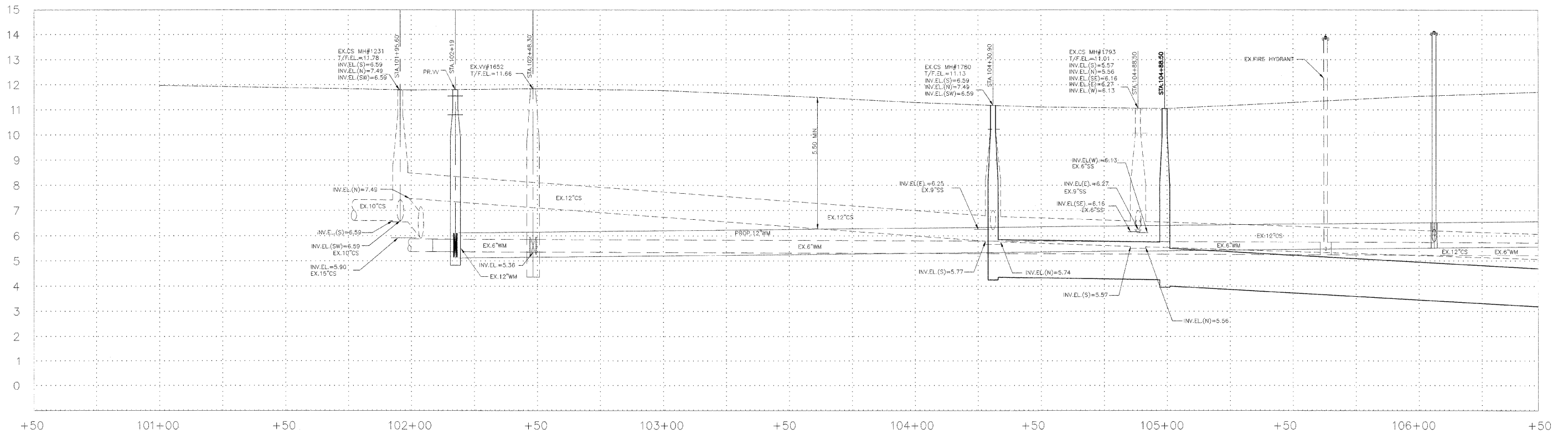
RELIEF SEWER IMPROVEMENT PLANS
SHERIDAN ROAD
SCALE: 1" = 20'
SHEET NO. 15 OF 31 SHEETS
STA. 121+00 TO STA. 126+00


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	03-00250-01-PV	COOK	31	15
CONTRACT NO. 63189			ILLINOIS FED. AID PROJECT	

SHERIDAN ROAD (WATER MAIN)
SOUTH BOULEVARD TO KEENEY STREET



MATCH LINE STATION 106+50
SEE SHEET NO. 17



PLANS PREPARED BY:  CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 886-2924

DESIGNED — DSM, AA	REVISED — 5/20/09 PER MWRD
DRAWN — DSM	REVISED — 5/20/09 PER IDOT
CHECKED — SN, PC	REVISED —
DATE — 2 / 3 / 2009	REVISED —

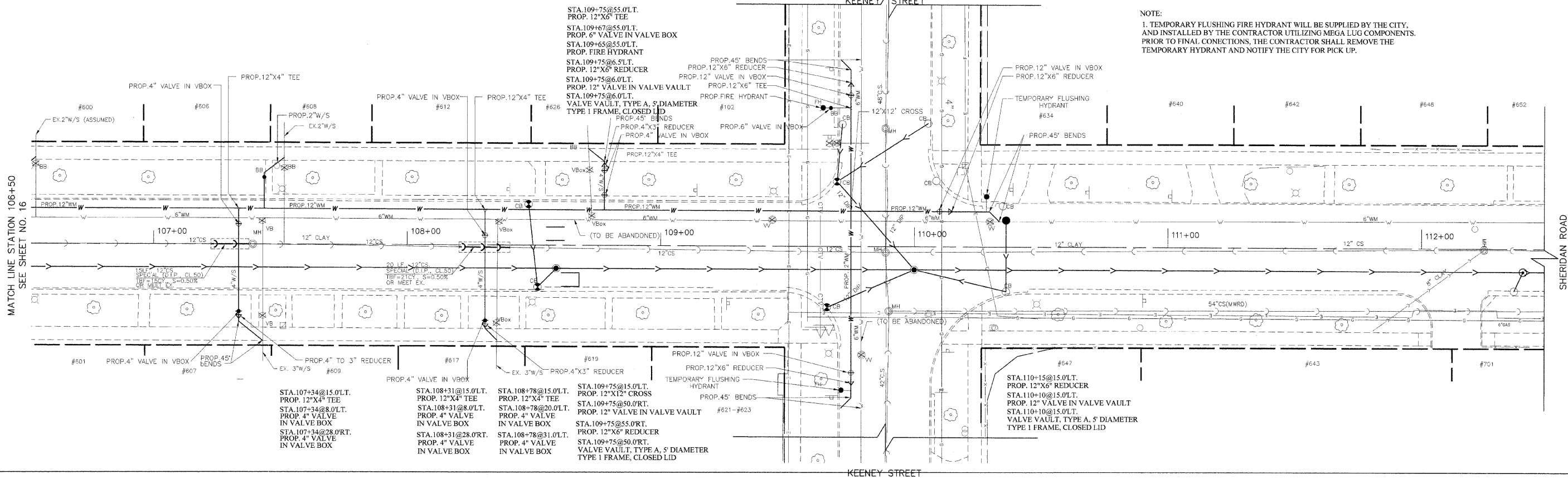
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN IMPROVEMENT PLANS
SHERIDAN ROAD

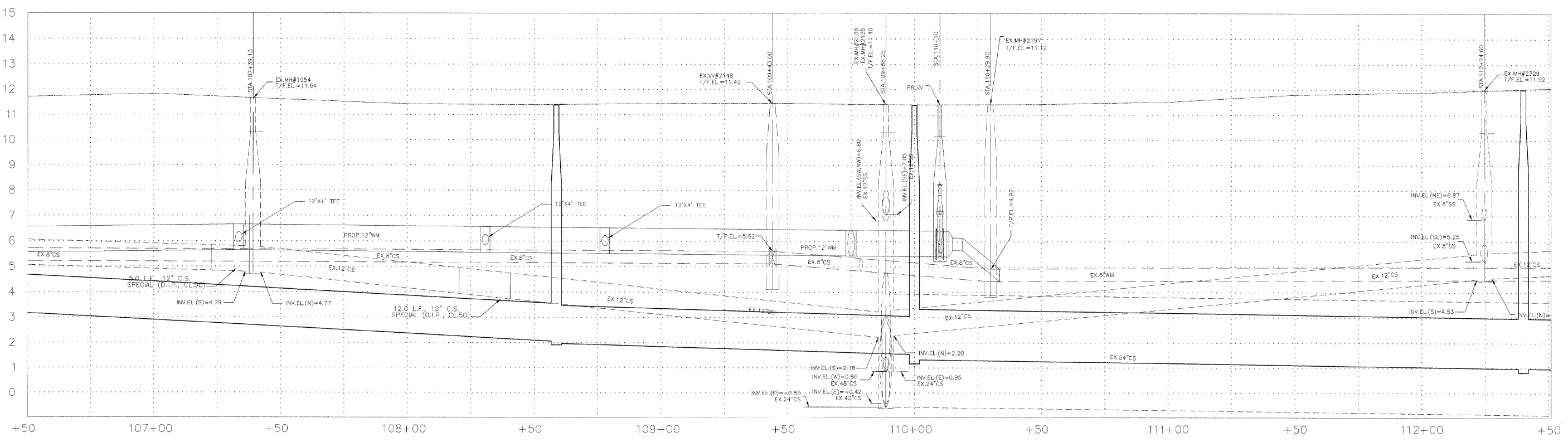
SCALE: 1" = 20' SHEET NO. 16 OF 31 SHEETS STA. 100+50 TO STA. 106+50


F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEET NO.
2865	08-00250-01-PV	COOK	31 16
			CONTRACT NO. 63189
ILLINOIS FED. AID PROJECT			

SHERIDAN ROAD (WATER MAIN)
SOUTH BOULEVARD TO KEENEY STREET



NOTE:
1. TEMPORARY FLUSHING FIRE HYDRANT WILL BE SUPPLIED BY THE CITY, AND INSTALLED BY THE CONTRACTOR UTILIZING MEGA LUG COMPONENTS. PRIOR TO FINAL CONNECTIONS, THE CONTRACTOR SHALL REMOVE THE TEMPORARY HYDRANT AND NOTIFY THE CITY FOR PICK UP.



PLANS PREPARED BY:  CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 866-2924

DESIGNED	— DSM, AA	REVISED	— 5/20/09 PER MWRD
DRAWN	— DSM	REVISED	— 5/20/09 PER IDOT
CHECKED	— SN, PC	REVISED	—
DATE	— 2 / 3 / 2009	REVISED	—

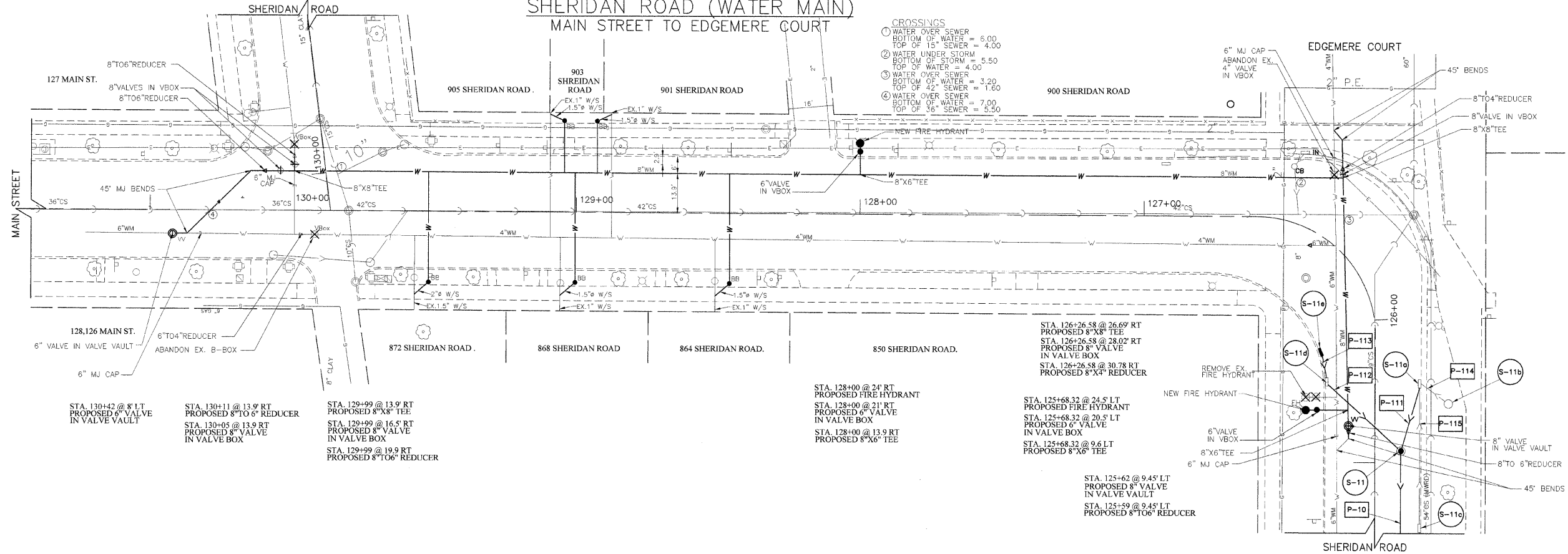
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN IMPROVEMENT PLANS
SHERIDAN ROAD

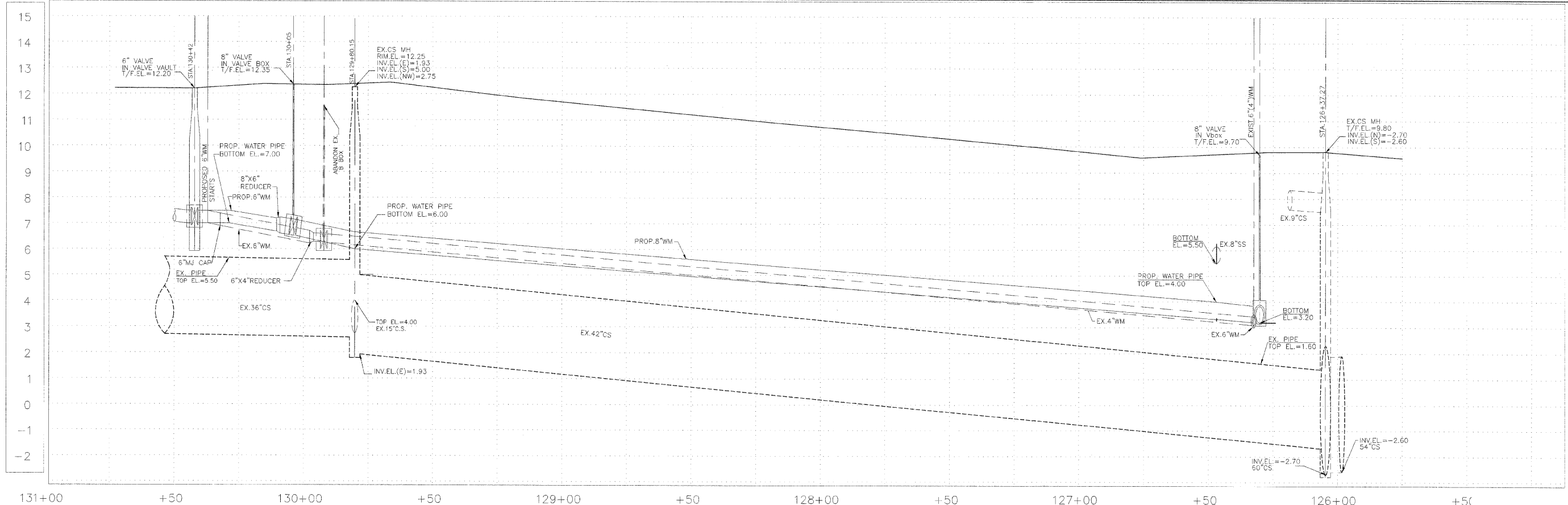
SCALE: 1" = 20' SHEET NO. 17 OF 31 SHEETS STA. 106+50 TO STA. 112+50

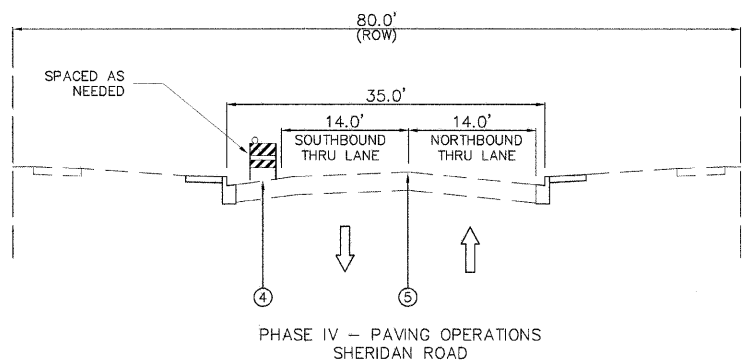
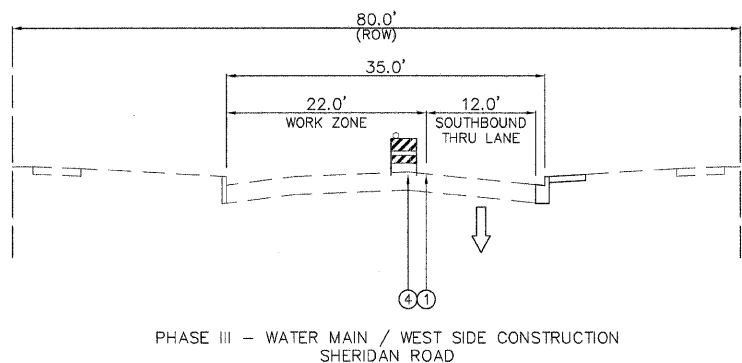
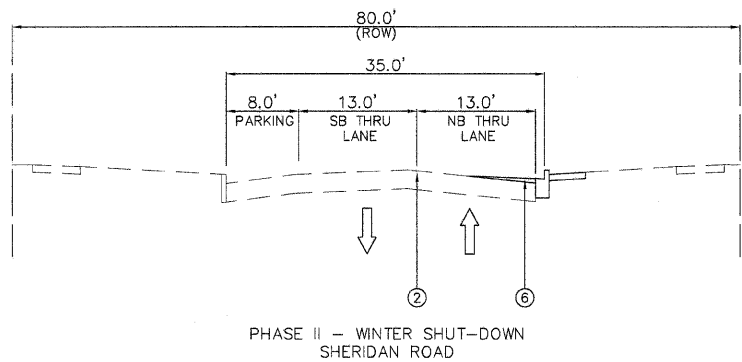
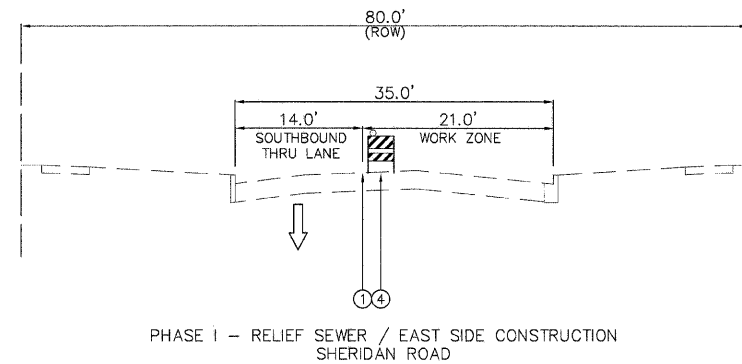
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS - NO.
2865	08-00250-01-PV	COOK	31 17
			CONTRACT NO. 63189
ILLINOIS FED. AID PROJECT			

SHERIDAN ROAD (WATER MAIN) MAIN STREET TO EDMERE COURT



- CROSSINGS**
- ① WATER OVER SEWER
BOTTOM OF WATER = 6.00
TOP OF 15\"/>





MAINTENANCE OF TRAFFIC LEGEND:

- ① TEMPORARY PAVEMENT MARKING LINE - 4" (SINGLE YELLOW)
- ② TEMPORARY PAVEMENT MARKING LINE - 4" (DOUBLE YELLOW)
- ③ TEMPORARY PAVEMENT MARKING LINE - 4" (WHITE)
- ④ DRUM TYPE BARRICADES AT 50' CENTERS ON TANGENTS, 25' ON TAPERS AND 10' ON RADII
(USE POST MOUNTED VERTICAL PANELS WITH WARNING LIGHTS ADJACENT TO FULL-DEPTH PAVING SECTION)
- ⑤ SHORT-TERM PAVEMENT MARKING
- ⑥ TEMPORARY PAVEMENT (VARIABLE DEPTH)

NOTES:

- 1. "TEMPORARY PAVEMENT MARKING LINE 24" (WHITE) SHALL BE INSTALLED AT INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- 2. "PAVEMENT MARKING TAPE, TYPE III" SHALL BE INSTALLED ON SURFACES TO REMAIN IN PLACE OUTSIDE OF CONSTRUCTION ZONE AS DIRECTED BY THE ENGINEER.
- 3. "WORK ZONE PAVEMENT MARKING REMOVAL" SHALL BE USED TO REMOVE CONFLICTING PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER.
- 4. "SHORT-TERM PAVEMENT MARKING" SHALL BE INSTALLED AFTER PAVING OPERATIONS AS DIRECTED BY THE ENGINEER.
- 5. "TEMPORARY PAVEMENT (VARIABLE DEPTH)" SHALL BE INSTALLED USING FINISHING MACHINE PRIOR TO THE BEGINNING OF "PHASE II - WINTER SHUT-DOWN" IN ORDER TO PROVIDE A TEMPORARY PAVEMENT EDGE FLUSH WITH NEWLY INSTALLED CURB AND GUTTER WITH POSITIVE DRAINAGE ON EAST SIDE OF SHERIDAN ROAD.

TEMPORARY TRAFFIC CONTROL STANDARD LIST:

- 701421-02 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY
- 701501-05 URBAN LANE CLOSURE 2L 2W - UNDIVIDED
- 701701-06 URBAN LANE CLOSURE MULTILANE INTERSECTION
- 701801-04 URBAN LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- TC 10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- TC 16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- TC 22 ARTERIAL ROAD INFORMATION SIGN

MAINTENANCE OF TRAFFIC GENERAL NOTES:

- 1. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700: APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
- 2. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 3. ALL CONSTRUCTION SIGNS SHALL HAVE FLOURESCENT ORANGE BACKGROUNDS.
- 4. ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.
- 5. ALL BARRICADES OR DRUMS AT LANE DIVERSIONS WITHIN TAPER SECTIONS SHALL HAVE DIRECTION INDICATOR PANELS.
- 6. BARRICADES OR DRUMS EQUIPPED WITH ONE-WAY FLASHING LIGHTS WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 25' ALONG TAPERS AND 10' AROUND RADII.
- 7. DRUMS SHALL HAVE ALTERNATING REFLECTORIZED TYPE AA OR TYPE AP FLOURESCENT ORANGE AND REFLECTORIZED WHITE HORIZONTAL, CIRCUMFERENTIAL STRIPES.
- 8. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 702001 UNLESS AUTHORIZED BY THE ENGINEER TO USE ALTERNATE ARRANGEMENT.
- 9. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.
- 10. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED.
- 11. TEMPORARY LANE CLOSURES WILL BE ALLOWED ONLY BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M., WITH TRAFFIC MAINTAINED IN ACCORDANCE WITH STANDARD 701421 OR 701501 UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 12. "FRESH OIL" SIGNS (W21-2-4848) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO PRIMING ALONG SHERIDAN ROAD AND ALL CROSS STREETS. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION".
- 13. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, DRUMS, WARNING LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION". QUANTITIES FOR SHORT-TERM PAVEMENT MARKINGS, TEMPORARY PAVEMENT MARKINGS, AND WORK ZONE PAVEMENT MARKING REMOVAL ARE NOT INCLUDED IN THE ITEM "TRAFFIC CONTROL AND PROTECTION" AND SHALL BE MEASURED SEPARATELY FOR PAYMENT.
- 14. ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION EXCEPT FOR THE PERIODS OF SHORT DURATION WHEN APPROVED BY THE ENGINEER. TEMPORARY ACCESS SHALL BE PROVIDED IN ACCORDANCE WITH THE SPECIAL PROVISION "AGGREGATE FOR TEMPORARY ACCESS".
- 15. DAY-TIME LANE CLOSURES MAY ONLY BE UTILIZED BETWEEN THE HOURS OF 9:00AM TO 3:00PM. THEY SHALL BE IMPLEMENTED ACCORDING TO HIGHWAY STANDARD 701501-05. "ONE-LANE ROAD AHEAD" AND "FLAGGER" SIGNS SHALL BE MOUNTED ON PORTABLE SIGN SUPPORTS.
- 16. SEWER WORK ON KEDZIE STREET WILL REQUIRE THE ROAD TO BE CLOSED TO "THRU TRAFFIC" AND SHALL BE IMPLEMENTED USING TYPE III BARRICADES ACCORDING TO HIGHWAY STANDARD 701901-01.
- 17. SIDEWALK CLOSURES SHALL BE IMPLEMENTED ACCORDING TO HIGHWAY STANDARD 701801-04.
- 18. WHEN REFERENCE IS MADE TO THE EAST SIDE OF SHERIDAN ROAD IT SHALL ALSO INCLUDE THE NORTH SIDE OF SHERIDAN ROAD BETWEEN STATIONS 126+00 TO THE END OF IMPROVEMENT. WEST SIDE SHALL ALSO INCLUDE THE SOUTH SIDE AT SAME LOCATION.
- 19. SIDEWALK ACCESS ACROSS SHERIDAN ROAD SHALL BE MAINTAINED AT ALL TIMES. CONCRETE CONSTRUCTION AT INTERSECTION CORNERS SHALL BE STAGED IN SUCH A WAY AS TO PROVIDE AT LEAST ONE ACCESS POINT TO CROSS CONSTRUCTION ZONE AT EACH INTERSECTION. THIS WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE SPECIAL PROVISION "AGGREGATE FOR TEMPORARY ACCESS".

SEQUENCE OF CONSTRUCTION:

PHASE I - RELIEF SEWER / EAST SIDE CONSTRUCTION

- 1. IMPLEMENT DETOUR ROUTE FOR NORTHBOUND TRAFFIC AND INSTALL TRAFFIC CONTROL TO ESTABLISH ONE-WAY SOUTHBOUND TRAFFIC ON THE WEST TRAVEL LANE OF SHERIDAN ROAD.
- 2. PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS AND BARRICADES.
- 3. REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
- 4. INSTALL RELIEF SEWER AND ALL RELATED WORK.
- 5. COMPLETE ALL CONCRETE CONSTRUCTION ITEMS, PATCHING, AND FULL-DEPTH PAVING ON EAST SIDE OF SHERIDAN.
- 6. COMPLETELY RESTORE PARKWAY ON EAST SIDE OF SHERIDAN.
- 7. INSTALL TEMPORARY PAVEMENT (VARIABLE DEPTH) ON EAST SIDE OF SHERIDAN.

PHASE II - WINTER SHUT-DOWN


- 8. END USE OF NORTHBOUND DETOUR.
- 9. INSTALL TRAFFIC CONTROL TO ESTABLISH TWO-WAY TRAFFIC ON SHERIDAN ROAD.
- 10. REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
- 11. PLACE ALL CONSTRUCTION SIGNS AND TEMPORARY PAVEMENT MARKINGS.
- 12. REMOVE BARRICADES AND NEATLY STOCKPILE OR REMOVE FROM SITE.

PHASE III - WATER MAIN / WEST SIDE CONSTRUCTION

- 13. IMPLEMENT DETOUR ROUTE FOR NORTHBOUND TRAFFIC AND INSTALL TRAFFIC CONTROL TO ESTABLISH ONE-WAY SOUTHBOUND TRAFFIC ON THE EAST TRAVEL LANE OF SHERIDAN ROAD.
- 14. PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS AND BARRICADES.
- 15. REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
- 16. INSTALL WATER MAIN AND ALL RELATED WORK.
- 17. COMPLETE ALL CONCRETE CONSTRUCTION ITEMS, PATCHING, AND FULL-DEPTH PAVING ON WEST SIDE OF SHERIDAN.
- 18. COMPLETELY RESTORE PARKWAY ON WEST SIDE OF SHERIDAN.

PHASE IV - PAVING OPERATIONS

- 19. END USE OF NORTHBOUND DETOUR.
- 20. INSTALL TRAFFIC CONTROL TO ESTABLISH TWO-WAY TRAFFIC ON SHERIDAN ROAD.
- 21. MILL EXISTING ASPHALT SURFACE ON SHERIDAN ROAD.
- 22. INSTALL LEVELING BINDER COURSE.
- 23. PLACE SHORT-TERM PAVEMENT MARKINGS.
- 24. INSTALL HOT-MIX ASPHALT BINDER COURSE.
- 25. PLACE SHORT-TERM PAVEMENT MARKINGS.
- 26. ADJUST PAVEMENT UTILITY STRUCTURES.
- 27. INSTALL HOT-MIX ASPHALT SURFACE COURSE.
- 28. PLACE SHORT-TERM PAVEMENT MARKINGS.
- 29. PLACE PERMANENT PAVEMENT MARKINGS.
- 30. INSTALL RAISED REFLECTIVE PAVEMENT MARKERS

PLANS PREPARED BY:  CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 866-2924

DESIGNED - DSM, AA	REVISED - 5/20/09 PER MWRD
DRAWN - DSM	REVISED - 5/20/09 PER IDOT
CHECKED - SN, PC	REVISED -
DATE - 2 / 3 / 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
SHERIDAN ROAD

SCALE: N.T.S. SHEET NO. 19 OF 31 SHEETS STA. N.A. TO STA. N.A.

F. AU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2885	08-00250-01-PV	COOK	31	19
				CONTRACT NO. 63189
ILLINOIS FED. AID PROJECT				

DETOUR GENERAL NOTES:

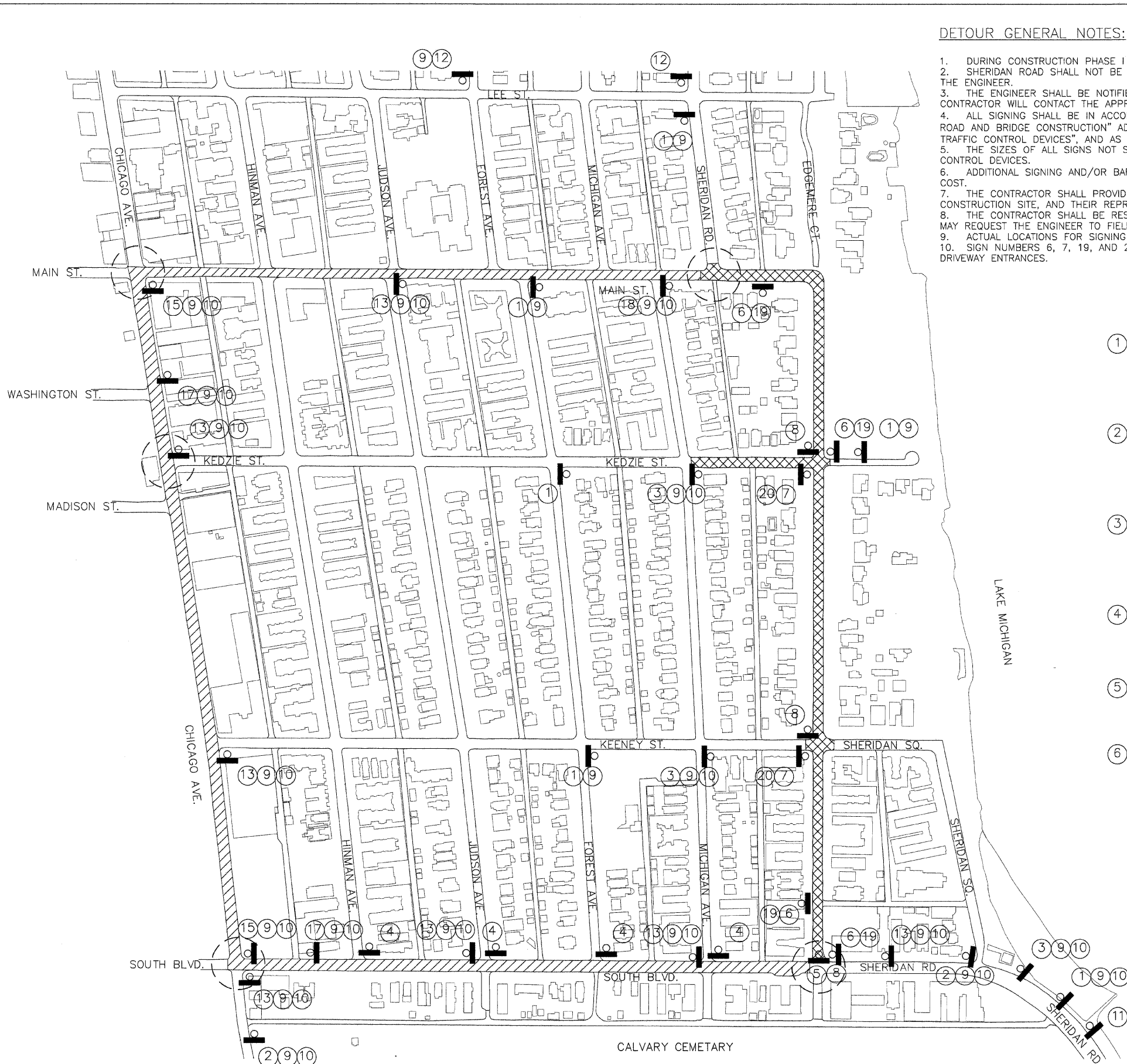
1. DURING CONSTRUCTION PHASE I AND PHASE III ONLY SOUTHBOUND TRAFFIC WILL BE ACTIVE WITH ONLY ONE LANE.
2. SHERIDAN ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING ARE PLACED IN ACCORDANCE WITH THE DETOUR PLAN AND AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE INEFFECT. THE CONTRACTOR WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
4. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007 AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AND AS DIRECTED BY THE ENGINEER.
5. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
6. ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST.
7. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF THEIR REPRESENTATIVES ON THE CONSTRUCTION SITE, AND THEIR REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING. THE CONTRACTOR MAY REQUEST THE ENGINEER TO FIELD VERIFY THE POSITIONS OF ANY SIGNS.
9. ACTUAL LOCATIONS FOR SIGNING SHOWN ON THE DETOUR PLAN MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
10. SIGN NUMBERS 6, 7, 19, AND 20 SHALL ALSO BE PROVIDED AND INSTALLED ON PORTABLE MOUNTS TO BE PLACED IN FRONT OF ALL DRIVEWAY ENTRANCES.

SCHEDULE OF QUANTITIES

1		7		13	
2		8		14	
3		9		15	
4		10		16	
5		11		17	
6		12		18	

LEGEND

	SIGNALIZED INTERSECTION	19	
	CONSTRUCTION ZONE	20	
	DETOUR ROUTE (PHASE I & III)		
	CONSTRUCTION WARNING SIGN (NUMBER DENOTES TYPE)		
	FLASHING LIGHT		



PLANS PREPARED BY: CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 866-2924

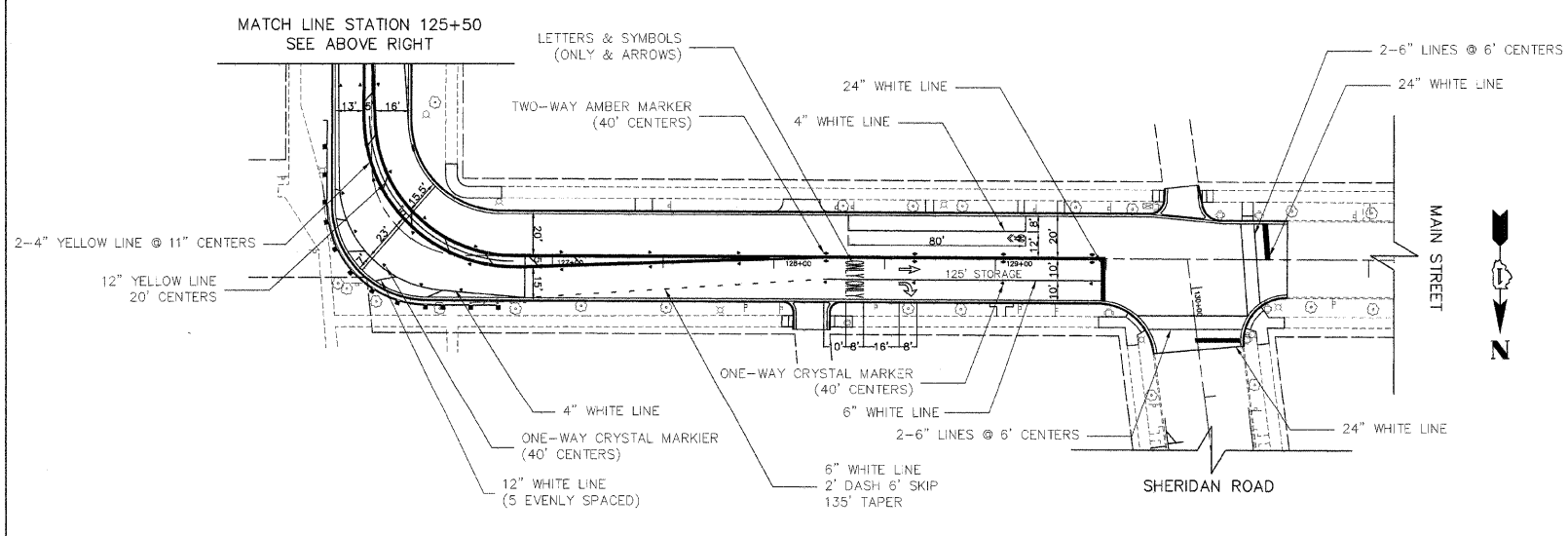
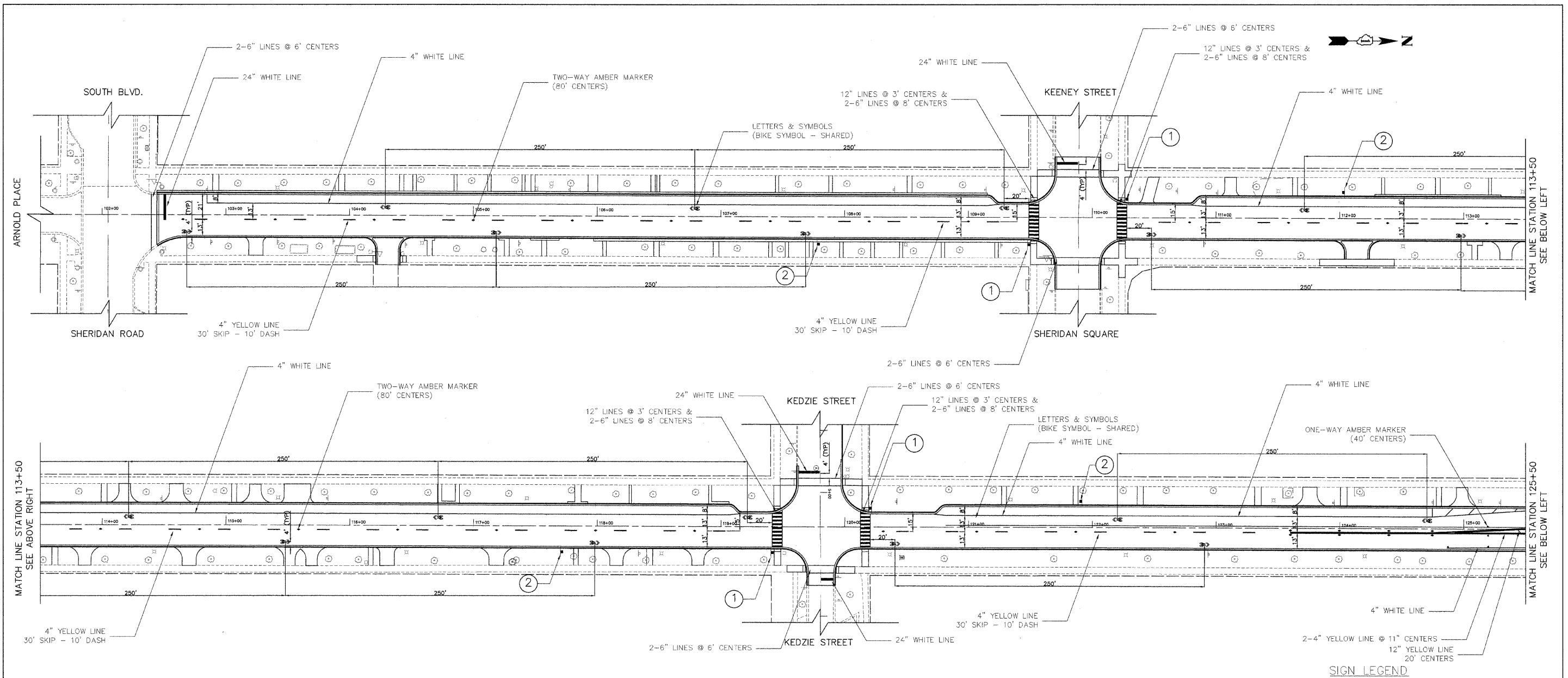
DESIGNED - DSM, AA	REVISED - 5/20/09 PER MWRD
DRAWN - DSM	REVISED - 5/20/09 PER IDOT
CHECKED - SN, PC	REVISED -
DATE - 2 / 3 / 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN - PHASE I
SHERIDAN ROAD

SCALE: N.T.S. SHEET NO. 20 OF 31 SHEETS STA. N.A. TO STA. N.A.

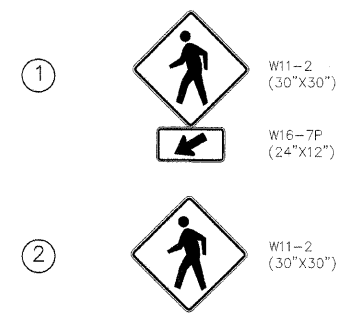
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	20
CONTRACT NO. 63189				
ILLINOIS FED. AID PROJECT				




PAVEMENT MARKING & SIGNING NOTES:

1. PROPOSED SIGNING IS SHOWN FOR INFORMATIONAL PURPOSES ONLY AND WILL IN FURNISHED AND INSTALLED BY THE CITY OF EVANSTON.
2. ALL PERMANENT PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING.
3. THE CITY OF EVANSTON SHALL BE NOTIFIED IN WRITING 48 HOURS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKING.
4. THE PAVEMENT MARKING SHOWN ON THIS PLAN IS FOR GUIDANCE ONLY. LAYOUT OF PERMANENT PAVEMENT MARKING SHALL CONFORM TO ACTUAL AS BUILT FIELD CONDITIONS AND/OR AS DETERMINED BY THE ENGINEER.

SIGN LEGEND



PLANS PREPARED BY:
 CITY OF EVANSTON
 PUBLIC WORKS DEPARTMENT TRANSPORTATION
 AND ENGINEERING DIVISION
 PHONE: (847) 866-2924

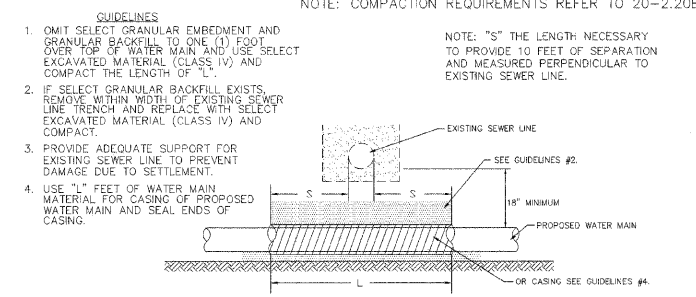
DESIGNED	DSM, AA	REVISED	5/20/09 PER MWRD
DRAWN	DSM	REVISED	5/20/09 PER IDOT
CHECKED	SN, PC	REVISED	
DATE	2 / 3 / 2009	REVISED	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

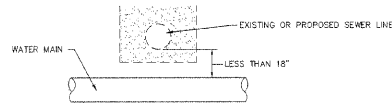
PAVEMENT MARKING & SIGNING PLAN
SHERIDAN ROAD
 SCALE: 1" = 40'
 SHEET NO. 21 OF 31 SHEETS
 STA. 101+00 TO STA. 130+75

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	21
CONTRACT NO. 63189			ILLINOIS FED. AID PROJECT	

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

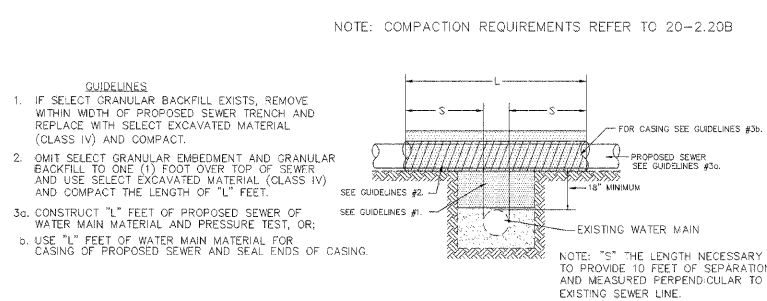


PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. NOT ALLOWED*



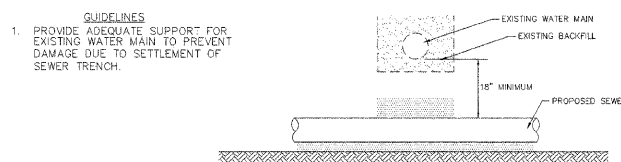
WATER AND SEWER SEPARATION REQUIREMENTS

PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN.



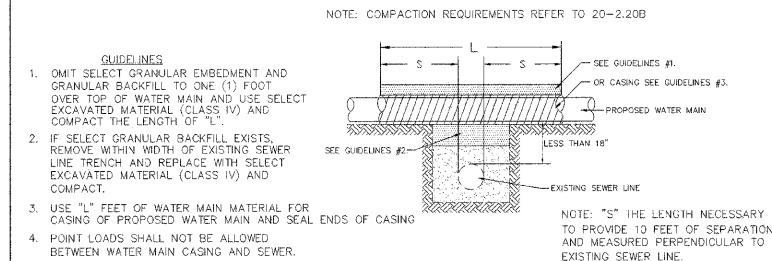
WATER AND SEWER SEPARATION REQUIREMENTS

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION.



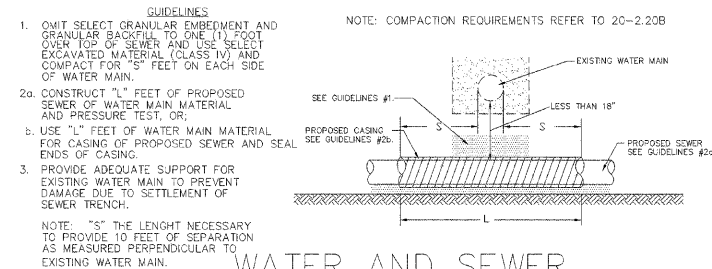
WATER AND SEWER SEPARATION REQUIREMENTS

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION.



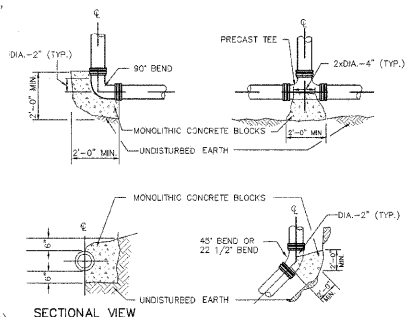
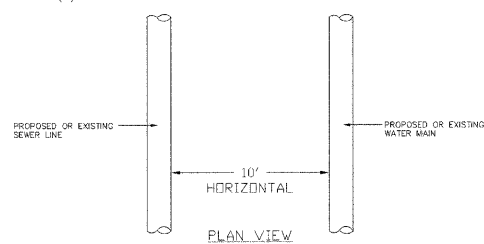
WATER AND SEWER SEPARATION REQUIREMENTS

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" VERTICAL SEPARATION.



WATER AND SEWER SEPARATION REQUIREMENTS

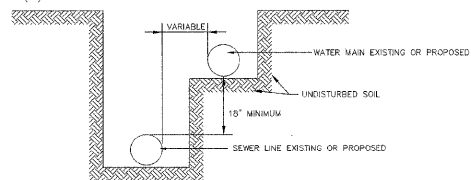
WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)



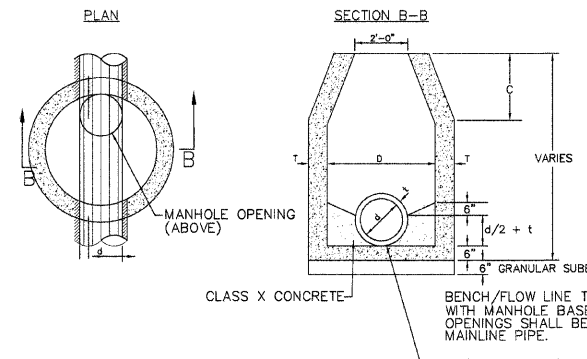
- NOTES:**
- BLOCKING SHALL BE APPLIED FOR ALL TEES, PLUGS, CAPS, & 22 1/2" OR MORE BENDS.
 - THRUST BLOCKS TO BE CLASS "X" CONCRETE.
 - BEARING AREAS OF UNDISTURBED EARTH SHALL HAVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 P.S.F.
 - BEARING AREA OF SOIL BASED ON 65 P.S.I. WATERMAIN PRESSURE.

THRUST BLOCKING

WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B (2)



WATER AND SEWER SEPARATION REQUIREMENTS

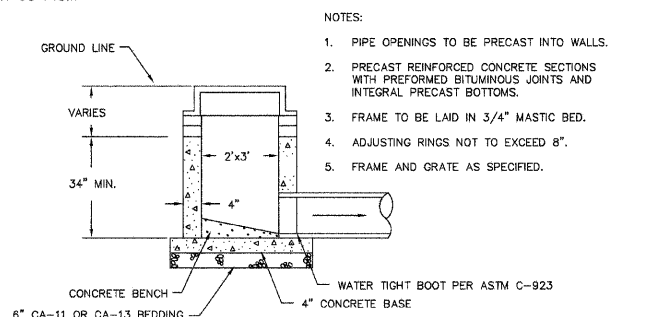


ALTERNATE MATERIALS FOR WALLS	D	C	T (MIN.)
PRECAST REINFORCED CONCRETE SECTIONS	4'-0"	2'-6"	4"
	5'-0"	3'-0"	5"

- ALL MANHOLE BASES SHALL BE FURNISHED WITH FLEXIBLE SLEEVES PER A.S.T.M. C-923 FOR CONNECTION OF PIPE.
- MANHOLE TYPE "A" TO BE PROVIDED WITH FRAME AND CLOSED LID.
- EXTERIOR NEOPRENE CHIMNEY SEAL REQUIRED ON ALL MANHOLE RIMS.

*** FOR OPTIONAL PRECAST CONCRETE FLAT SLAB TOP REFER TO IDOT STANDARD 602406

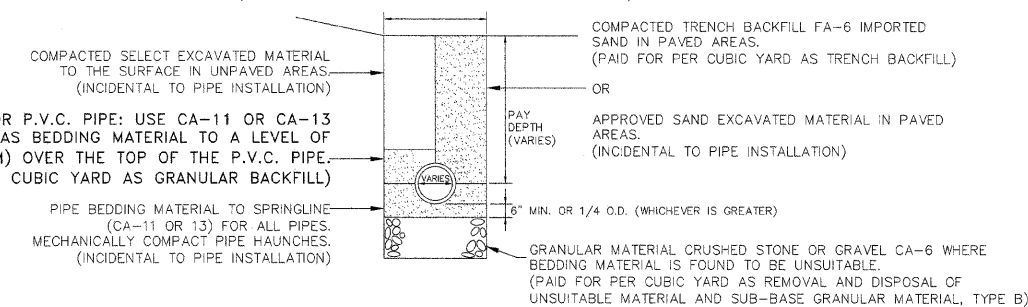
DETAIL OF MANHOLE TYPE A (4 FT. AND 5 FT. DIAMETER)



HIGH CAPACITY INLET

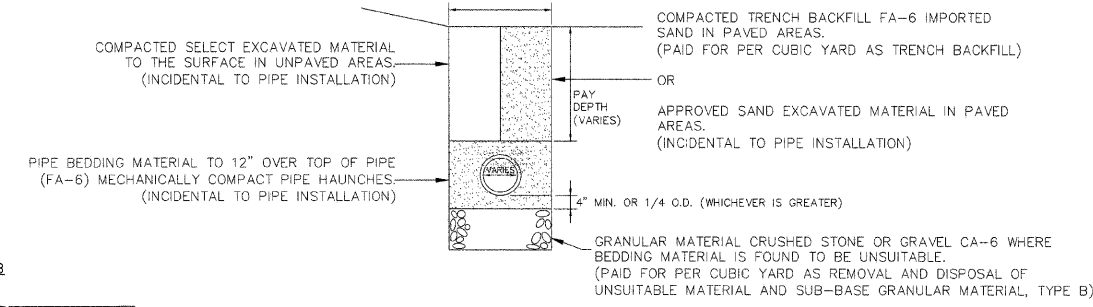
- NOTES:**
- PIPE OPENINGS TO BE PRECAST INTO WALLS.
 - PRECAST REINFORCED CONCRETE SECTIONS WITH PREFORMED BITUMINOUS JOINTS AND INTEGRAL PRECAST BOTTOMS.
 - FRAME TO BE LAID IN 3/4" MASTIC BED.
 - ADJUSTING RINGS NOT TO EXCEED 8".
 - FRAME AND GRATE AS SPECIFIED.
- ALL INLET BASES SHALL BE FURNISHED WITH FLEXIBLE SLEEVES PER A.S.T.M. C-923 FOR CONNECTION OF PIPE.

MAXIMUM TRENCH PAY WIDTH = 9' + O.D. + 9", WHEN TRENCH < 5 FT DEEP
MAXIMUM TRENCH PAY WIDTH = 18' + O.D. + 18", WHEN TRENCH ≥ 5 FT DEEP
(TRENCH DEPTH = SUBGRADE ELEVATION - PIPE INVERT ELEVATION)

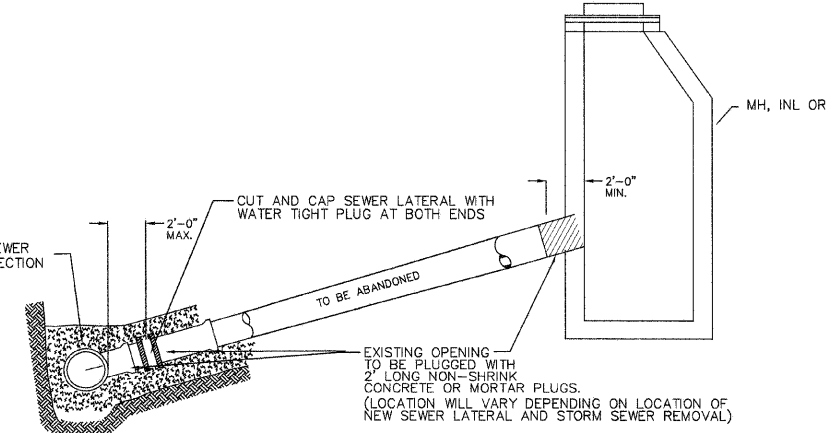
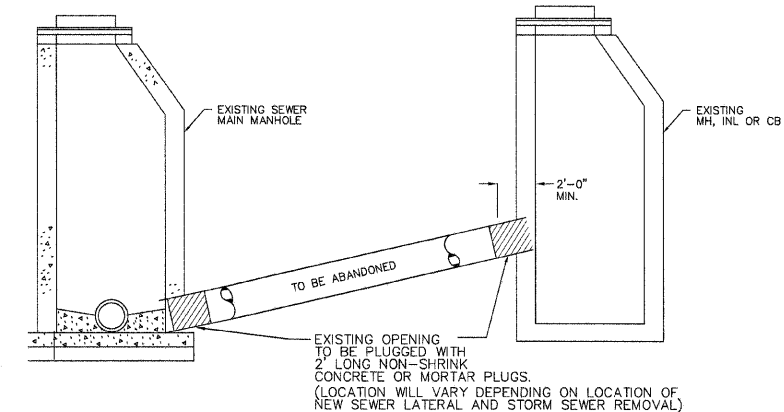


SEWER TRENCH DETAIL

MAXIMUM TRENCH PAY WIDTH = 9' + O.D. + 9", WHEN TRENCH < 5 FT DEEP
MAXIMUM TRENCH PAY WIDTH = 18' + O.D. + 18", WHEN TRENCH ≥ 5 FT DEEP
(TRENCH DEPTH = SUBGRADE ELEVATION - PIPE INVERT ELEVATION)



WATER MAIN TRENCH DETAIL



PLUG EXISTING STORM SEWERS (MANHOLE, CATCH BASIN, INLET OR SEWER MAIN)

PLANS PREPARED BY: CITY OF EVANSTON PUBLIC WORKS DEPARTMENT TRANSPORTATION AND ENGINEERING DIVISION PHONE: (847) 866-2924

DESIGNED — DSM, AA	REVISED — 5/20/09 PER MWRD
DRAWN — DSM	REVISED — 5/20/09 PER IDOT
CHECKED — SN, PC	REVISED —
DATE — 2 / 3 / 2009	REVISED —

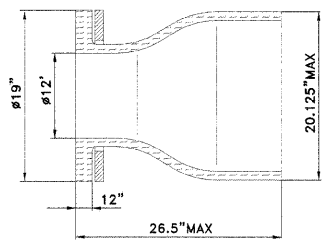
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS SHERIDAN ROAD

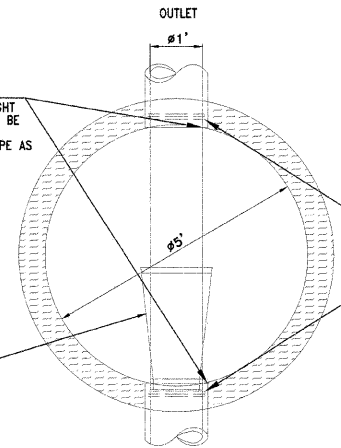
SCALE: N.T.S. SHEET NO. 22 OF 31 SHEETS STA. N.A. TO STA. N.A.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	22
				CONTRACT NO. 63189
ILLINOIS FED. AID PROJECT				

FLANGED CHECK VALVE
NOTE: TIDEFLEX-SERIES 35



NOTE:
RESILIENT WATERTIGHT
CONNECTION SHALL BE
PROVIDED BETWEEN
STRUCTURE AND PIPE AS
PER ASTM C-923

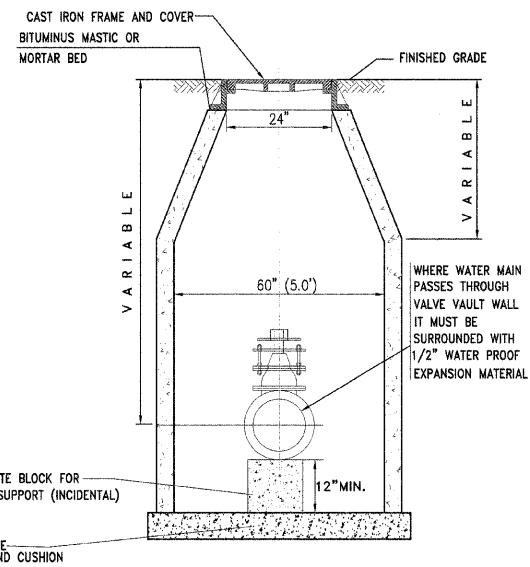


ASTM-923 RESILIENT
FLEXIBLE CONNECTOR
BETWEEN CONCRETE
MANHOLE AND PIPE WHEN
OPENING IS CORED

INSTALL TIDEFLEX-SERIES 35
BACKFLOW PREVENTOR

SECTIONAL PLAN ON MH

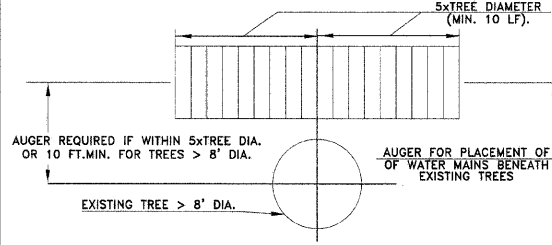
TYPICAL VALVE VAULT DETAIL



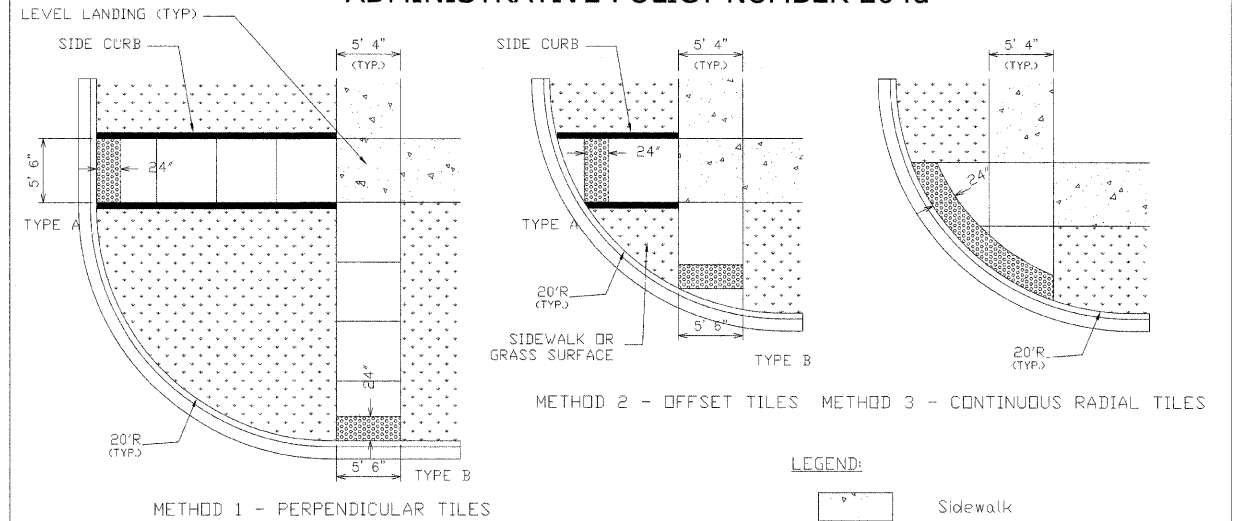
WHERE WATER MAIN
PASSES THROUGH
VALVE VAULT WALL
IT MUST BE
SURROUNDED WITH
1/2" WATER PROOF
EXPANSION MATERIAL

3500 P.S.I. CONCRETE
PRECAST, ON 6" SAND CUSHION

SHORT TUNNEL/AUGER DETAIL



CURB RAMP DETAIL
ADMINISTRATIVE POLICY NUMBER 204a



LEGEND:

- Sidewalk
- Ramp
- Detectable Warnings, Red
- Non walking area (Grass)

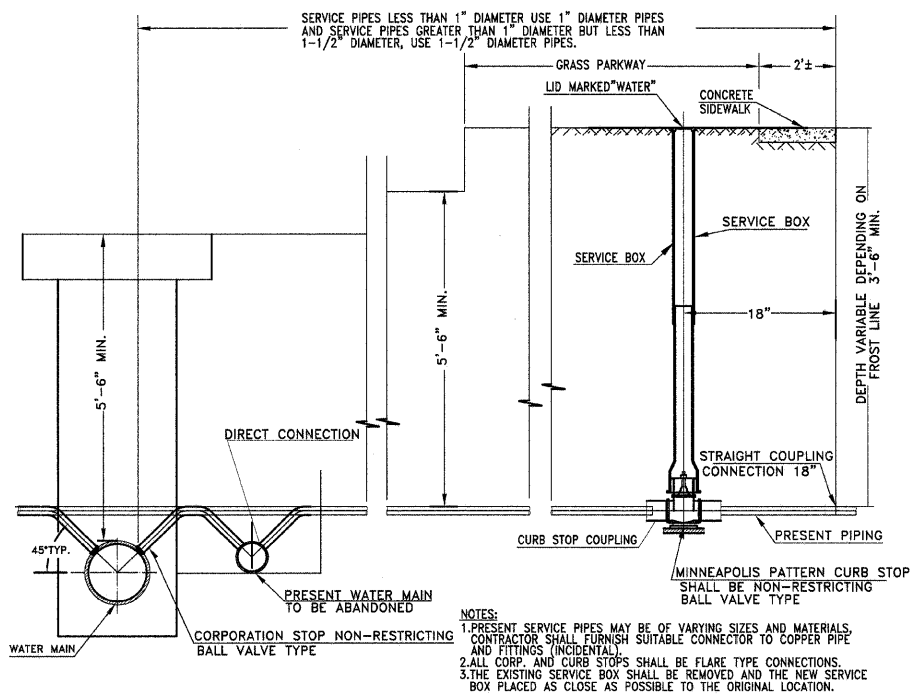
GENERAL NOTES:

1. DETECTABLE WARNING TILES SHALL BE INSTALLED THE FULL WIDTH OF THE CURB RAMP AS SHOWN ABOVE, ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. TYPICAL WIDTHS ARE AS FOLLOWS:
a) 5'-6" FOR METHODS 1 AND 2
b) VARIOUS LENGTHS OF RADIAL TILES FOR METHOD 3
2. A LEVEL LANDING (MINIMUM OF 5'x5' AREA WITH SLOPE IN ALL DIRECTIONS LESS THAN 2%) SHALL BE INSTALLED PRIOR TO ALL CURB RAMP. METHOD 3 REQUIRES ENTIRE CORNER TO BE A LEVEL LANDING.
3. A DEVIATION OF A 1/2" OR MORE FROM ADJACENT SURFACES IS NOT ALLOWED.
4. SIDE CURBS AS SHOWN IN METHODS 1 AND 2 AS THE TYPE A RAMP WILL NOT BE PAID FOR SEPARATELY BUT WILL BE MEASURED FOR PAYMENT AS PCC SIDEWALK AND WILL BE REQUIRED AS DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS, WHILE TYPE B RAMP WILL REQUIRE CURB OPENING SIDE FLARES.
5. SEE APPLICABLE PORTIONS OF IDOT HIGHWAY STANDARD 424001 (CURB RAMP FOR SIDEWALKS), THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 424 (PORTLAND CEMENT CONCRETE SIDEWALK), AND THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) FOR ADDITIONAL REQUIREMENTS.
6. DEPRESSED CURB AND GUTTER ADJACENT TO CURB RAMP SHALL BE INSTALLED TO THE DIMENSIONS PROVIDED IN IDOT HIGHWAY STANDARD 606001 (CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER).
7. WHEN USING METHOD 3 ROADWAY CURB RADII SHALL BE INSTALLED AT 15', 20', OR 25' RADIUS TO THE BACK OF CURB AS NOTED ON PLANS OR AS DIRECTED BY ENGINEER.

CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT
DIVISION OF TRANSPORTATION

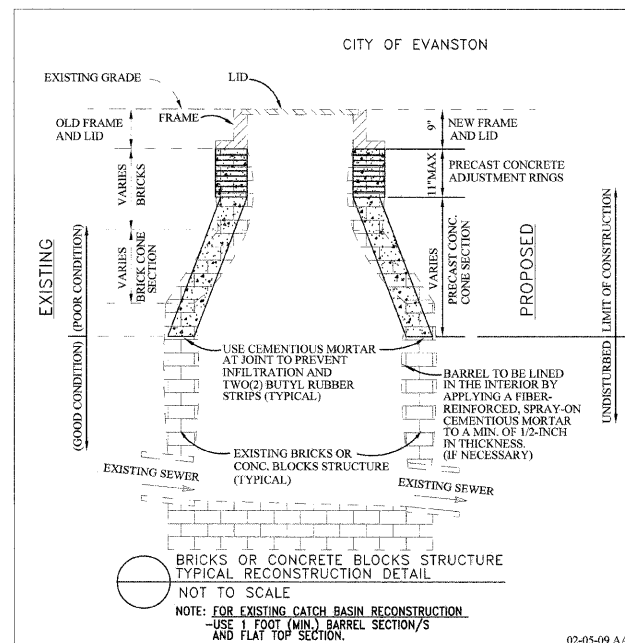
APPROVED BY	DATE
DIRECTOR OF TRANSPORTATION/CITY ENGINEER	
DIRECTOR OF PUBLIC WORKS	

TYPICAL WATER SERVICE CONNECTION DETAIL



SERVICE PIPES LESS THAN 1" DIAMETER USE 1" DIAMETER PIPES
AND SERVICE PIPES GREATER THAN 1" DIAMETER BUT LESS THAN
1-1/2" DIAMETER, USE 1-1/2" DIAMETER PIPES.

- NOTES:
1. PRESENT SERVICE PIPES MAY BE OF VARYING SIZES AND MATERIALS. CONTRACTOR SHALL FURNISH SUITABLE CONNECTOR TO COPPER PIPE AND FITTINGS (INCIDENTAL).
 2. ALL CORP. AND CURB STOPS SHALL BE FLARE TYPE CONNECTIONS.
 3. THE EXISTING SERVICE BOX SHALL BE REMOVED AND THE NEW SERVICE BOX PLACED AS CLOSE AS POSSIBLE TO THE ORIGINAL LOCATION.



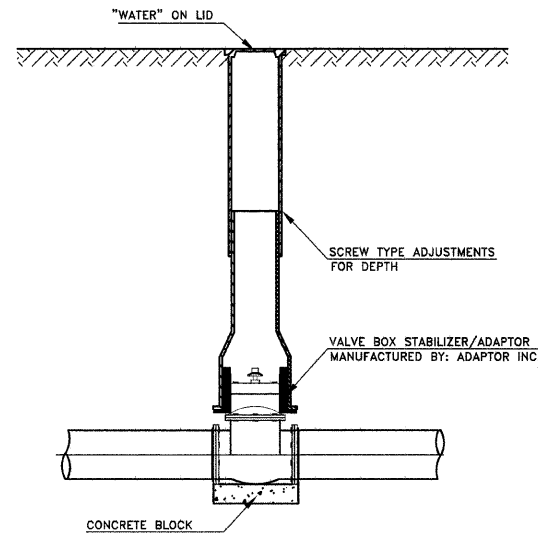
CITY OF EVANSTON

BRICKS OR CONCRETE BLOCKS STRUCTURE
TYPICAL RECONSTRUCTION DETAIL
NOT TO SCALE

NOTE: FOR EXISTING CATCH BASIN RECONSTRUCTION
USE 1 FOOT (MIN.) BARREL SECTION/S
AND FLAT TOP SECTION.

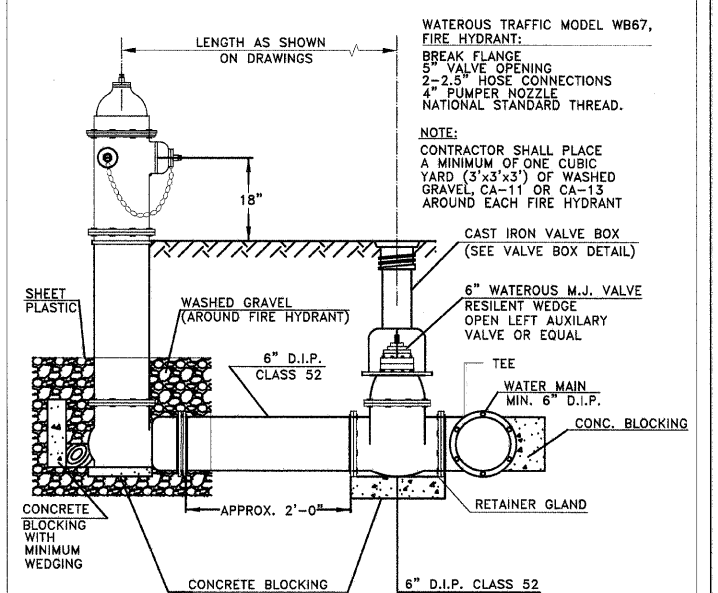
02-05-09 AA

TYPICAL VALVE BOX DETAIL



TYPICAL FIRE HYDRANT DETAIL

(EVANSTON WATER DEPARTMENT STANDARDS)



WATEROUS TRAFFIC MODEL WB67,
FIRE HYDRANT;
BREAK FLANGE
5" VALVE OPENING
2-2.5" HOSE CONNECTIONS
4" PUMPER NOZZLE
NATIONAL STANDARD THREAD.

NOTE:
CONTRACTOR SHALL PLACE
A MINIMUM OF ONE CUBIC
YARD (3'x3'x3') OF WASHED
GRAVEL, CA-11 OR CA-13
AROUND EACH FIRE HYDRANT

CAST IRON VALVE BOX
(SEE VALVE BOX DETAIL)

6" WATEROUS M.J. VALVE
RESILIENT WEDGE
OPEN LEFT AUXILIARY
VALVE OR EQUAL

TEE
WATER MAIN
MIN. 6" D.I.P.

CONC. BLOCKING

RETAINER GLAND

APPROX. 2'-0"

6" D.I.P. CLASS 52

PLANS PREPARED BY:



CITY OF EVANSTON
PUBLIC WORKS DEPARTMENT TRANSPORTATION
AND ENGINEERING DIVISION
PHONE: (847) 866-2924

DESIGNED	DSM, AA	REVISED	5/20/09 PER MWRD
DRAWN	DSM	REVISED	5/20/09 PER IDOT
CHECKED	SN, PC	REVISED	
DATE	2 / 3 / 2009	REVISED	

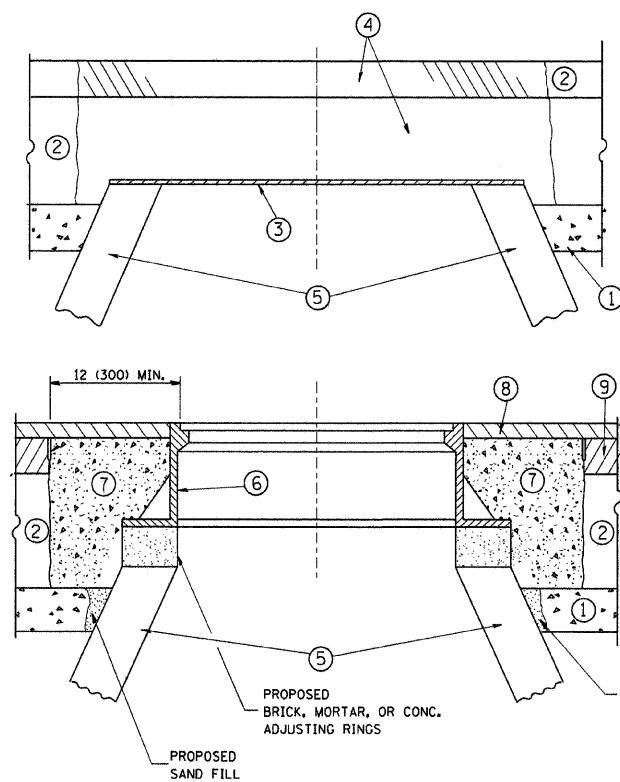
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
SHERIDAN ROAD

SCALE: N.T.S. SHEET NO. 23 OF 31 SHEETS STA. N.A. TO STA. N.A.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	23
				CONTRACT NO. 63189
ILLINOIS FED. AID PROJECT				

F.A.O. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	08-00250-01-PV	COOK	31	24
STA.		TO STA.		
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 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 SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

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

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- 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 SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

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.

LOCATION OF STRUCTURES:

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

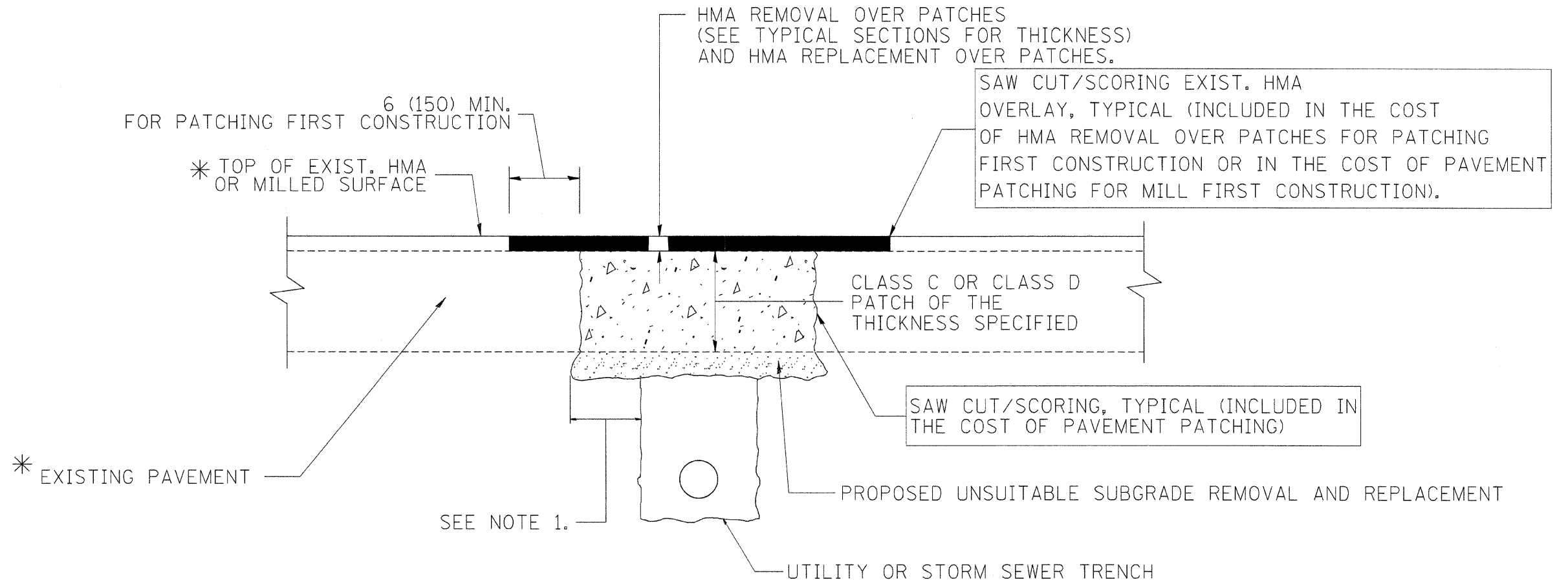
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: VERT. NONE
HORIZ. NONE
DRAWN BY
CHECKED BY
BD600-03 (BD-8)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865D8-00250-01-PV	COOK		31	25
STA.		TO STA.		
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.

REVISIONS	
NAME	DATE
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07
R. BORO	09/04/07
K. ENG	10/27/08

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

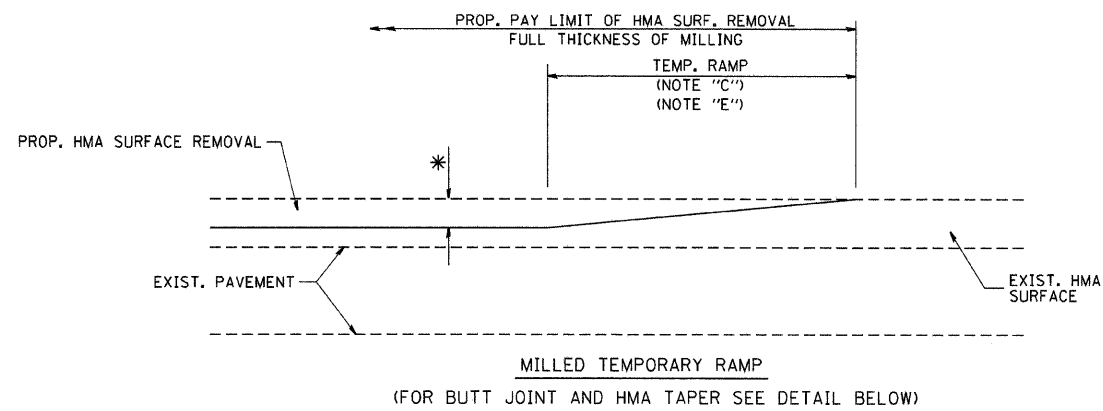
SCALE: VERT. NONE
HORIZ.

DRAWN BY

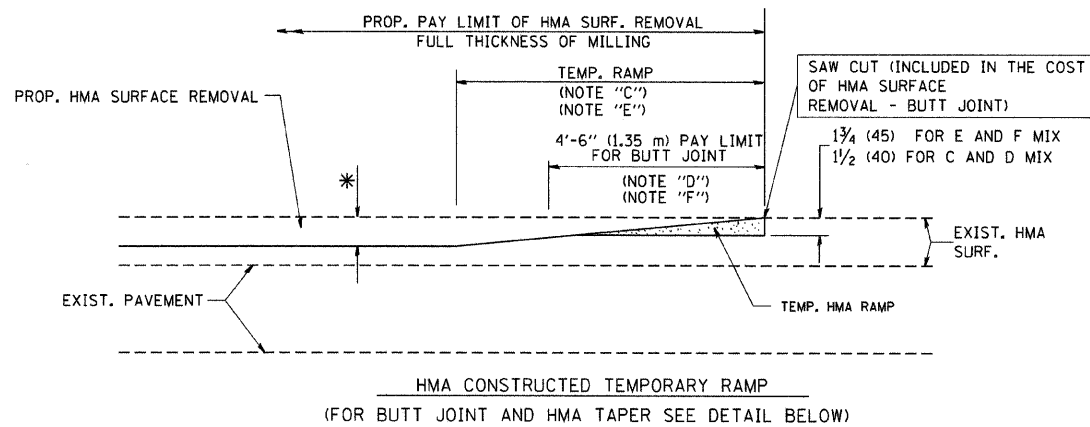
CHECKED BY

BD400-04 (BD-22)

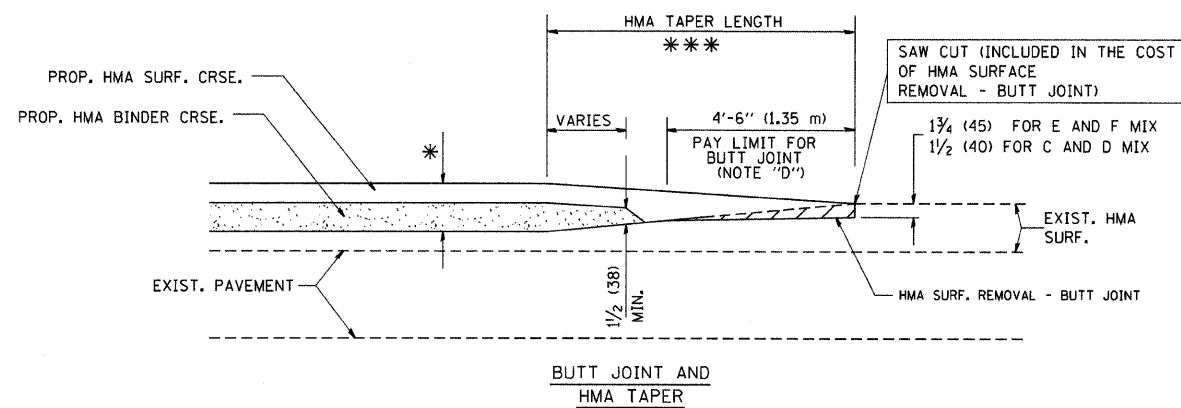
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
286508-00250-01-PF		COOK	31	26
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



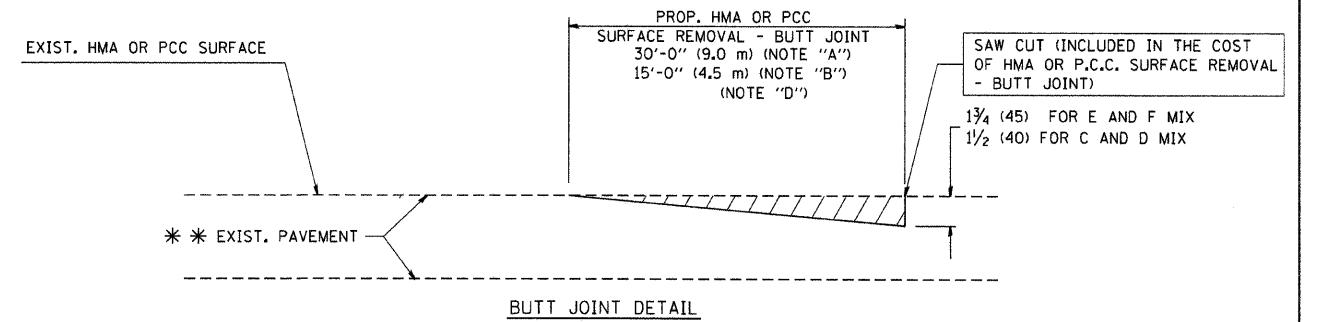
OPTION 1



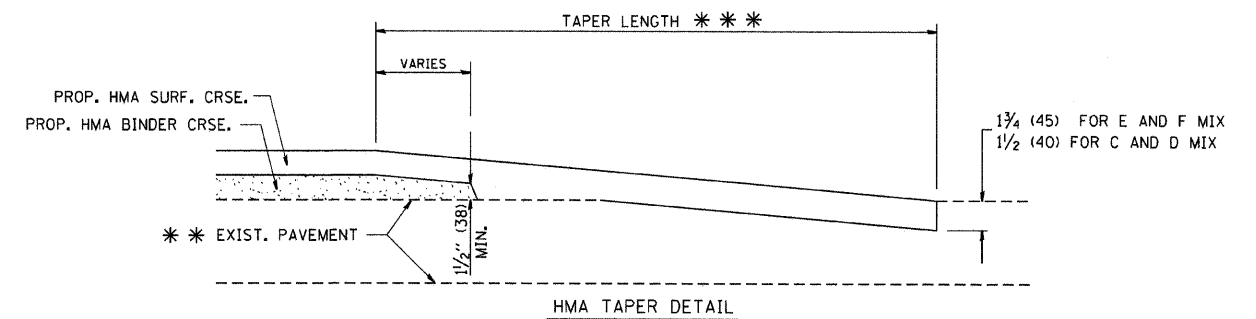
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

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")

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

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER
DETAILS

SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY

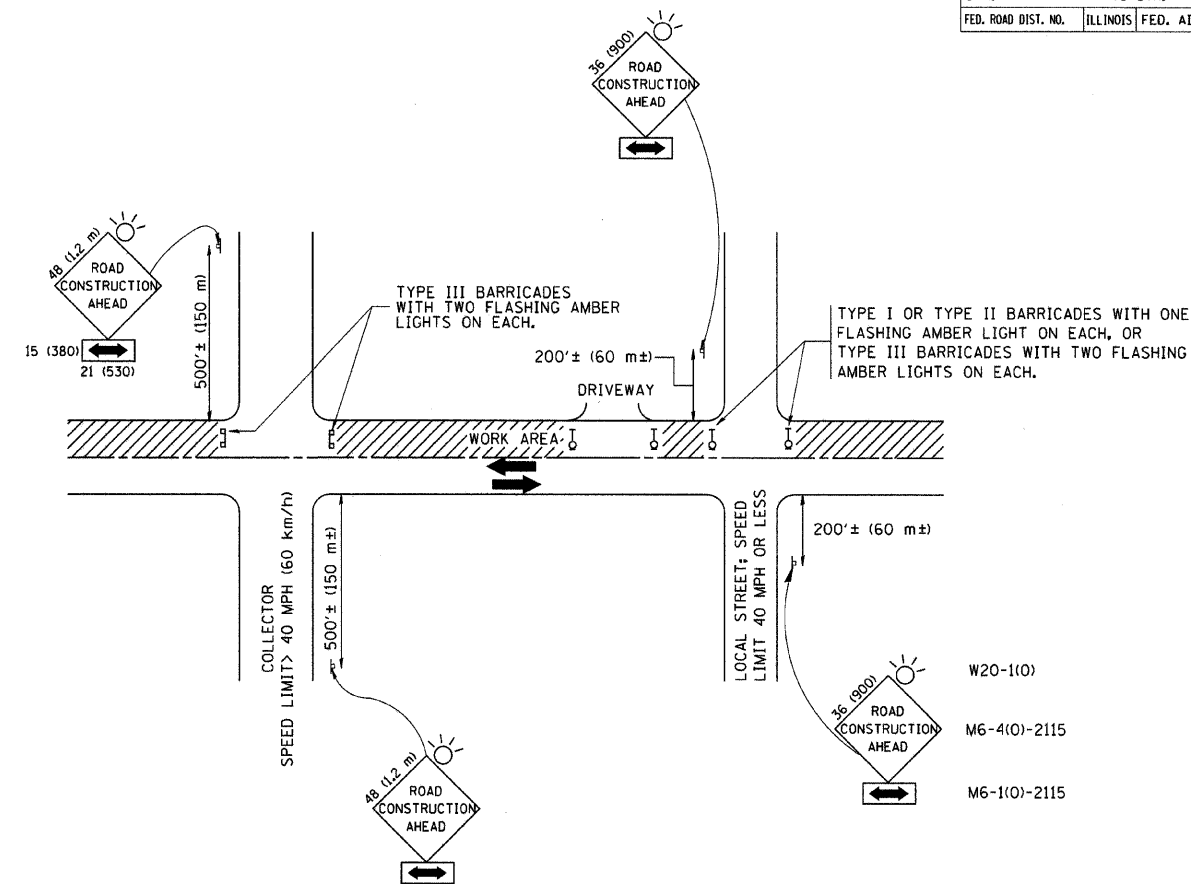
CHECKED BY

BD400-05 (VI-BD32)

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".

F.A. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2865	8-00250-01-PV	COOK	31	27
STA.		TO STA.		
FED. ROAD DIST. NO.	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

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

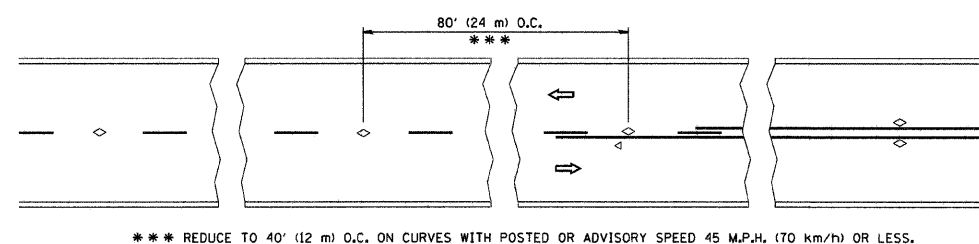
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION
FOR
SIDE ROADS, INTERSECTIONS, AND
DRIVEWAYS

SCALE: NONE

DRAWN BY
CHECKED BY

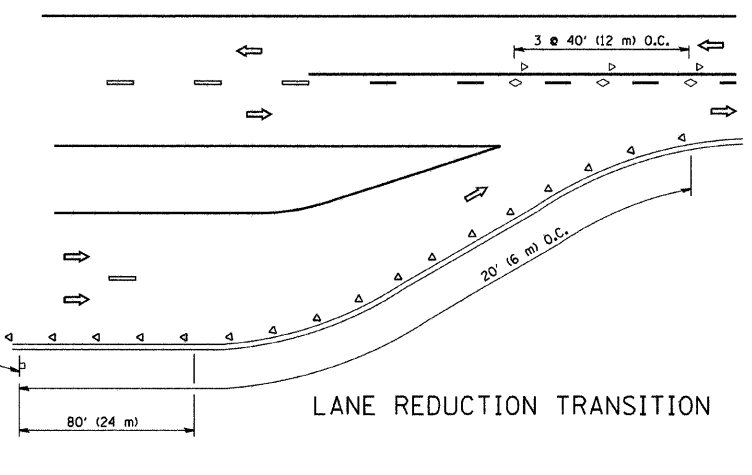
TC-10

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

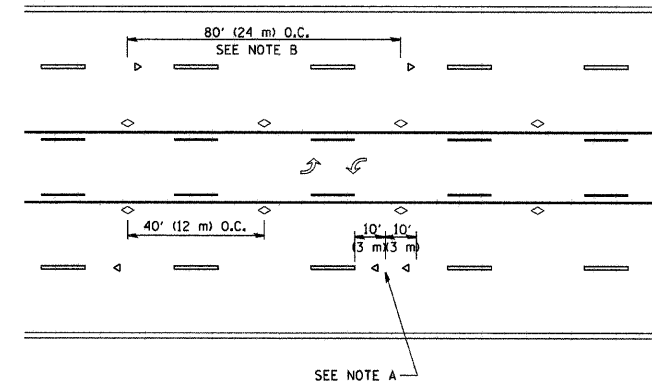


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

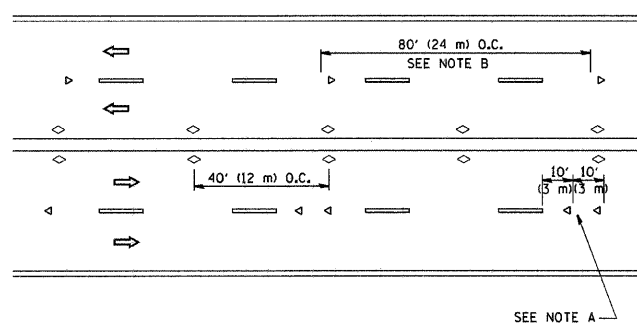
TWO-LANE/TWO-WAY



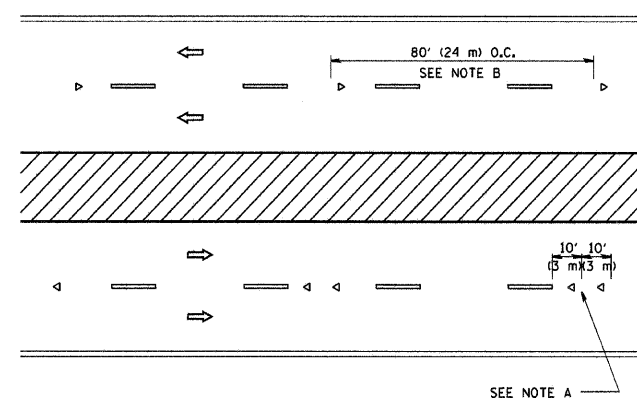
LANE REDUCTION TRANSITION



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

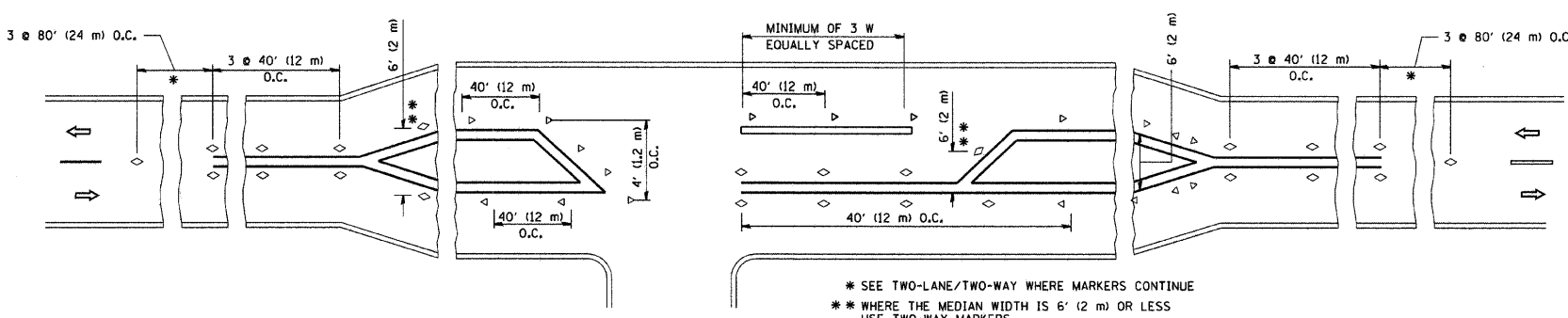
LANE MARKER NOTES

- 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.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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 SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

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



LEFT TURN

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

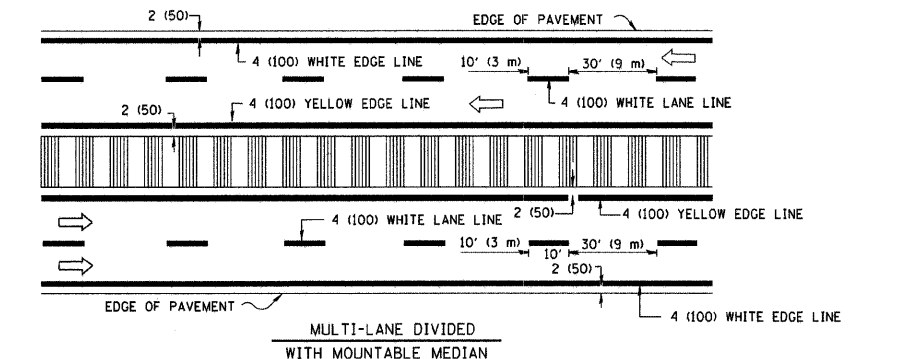
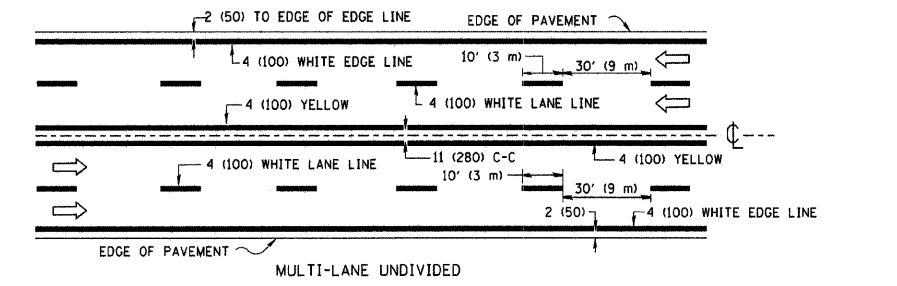
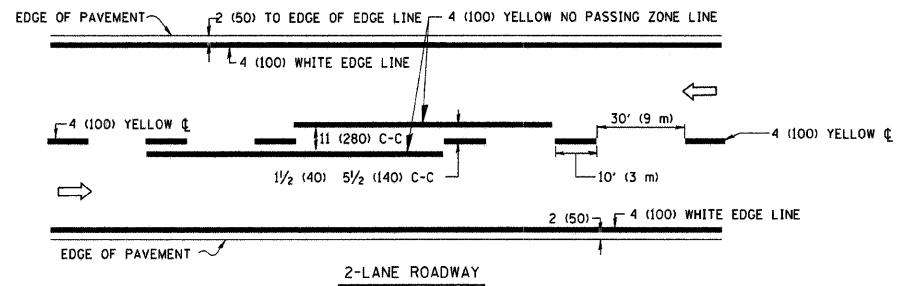
REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE
 DRAWN BY CADD
 CHECKED BY
 TC-11

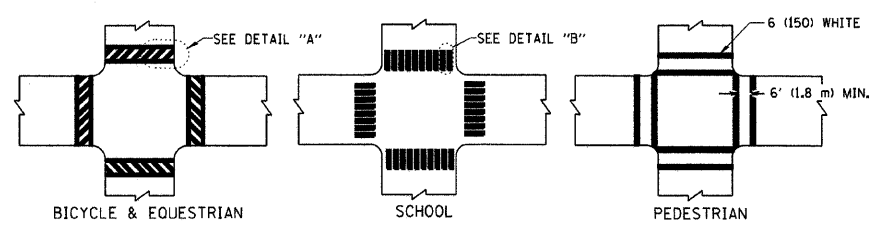
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F.A. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
286508-00250-01-PF	COOK		31	29
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

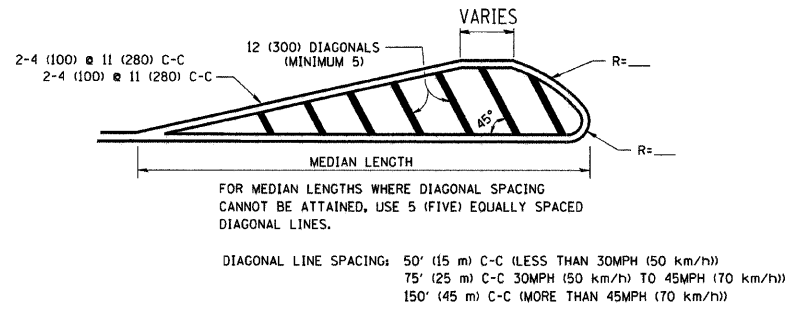
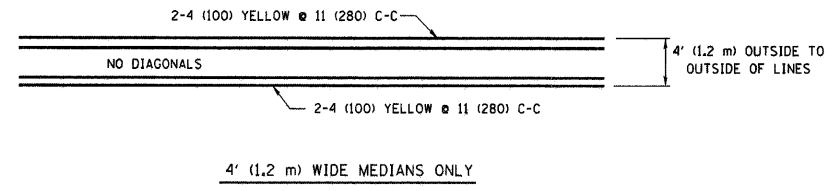


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

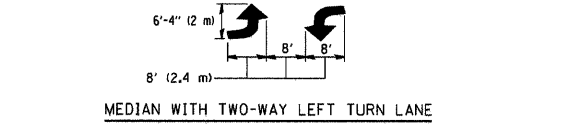
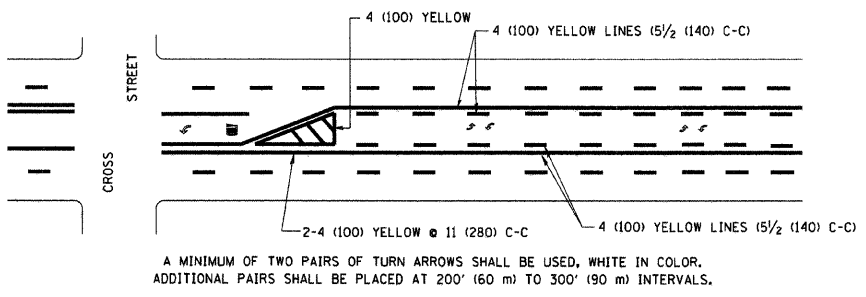
TYPICAL LANE AND EDGE LINE MARKING



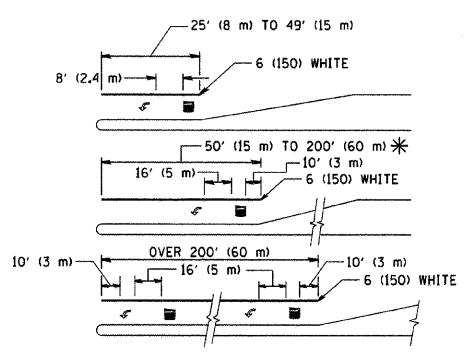
TYPICAL CROSSWALK MARKING



MEDIANS OVER 4' (1.2 m) WIDE



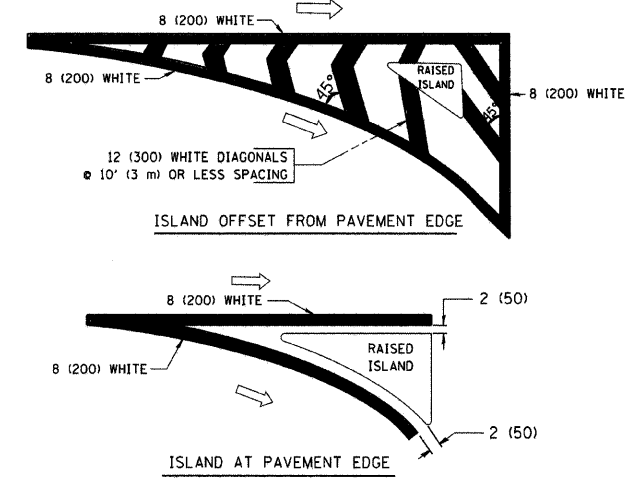
TYPICAL PAINTED MEDIAN MARKING



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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	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)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
LANE LINES	5 (125) ON FREEWAYS	SKIP-DASH	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
TWO WAY LEFT TURN MARKING	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN)	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
CROSSWALK LINES (BIKE & EQUESTRIAN)	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
CROSSWALK LINES (SCHOOL)	12 (300) @ 90°	SOLID	WHITE	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.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "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.

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE

TYPICAL PAVEMENT MARKINGS

SCALE: NONE

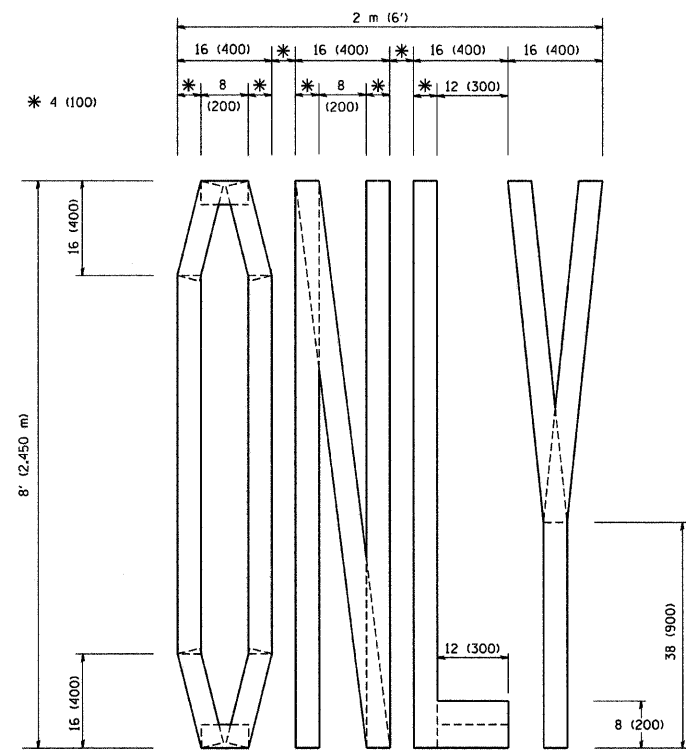
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CHECKED BY

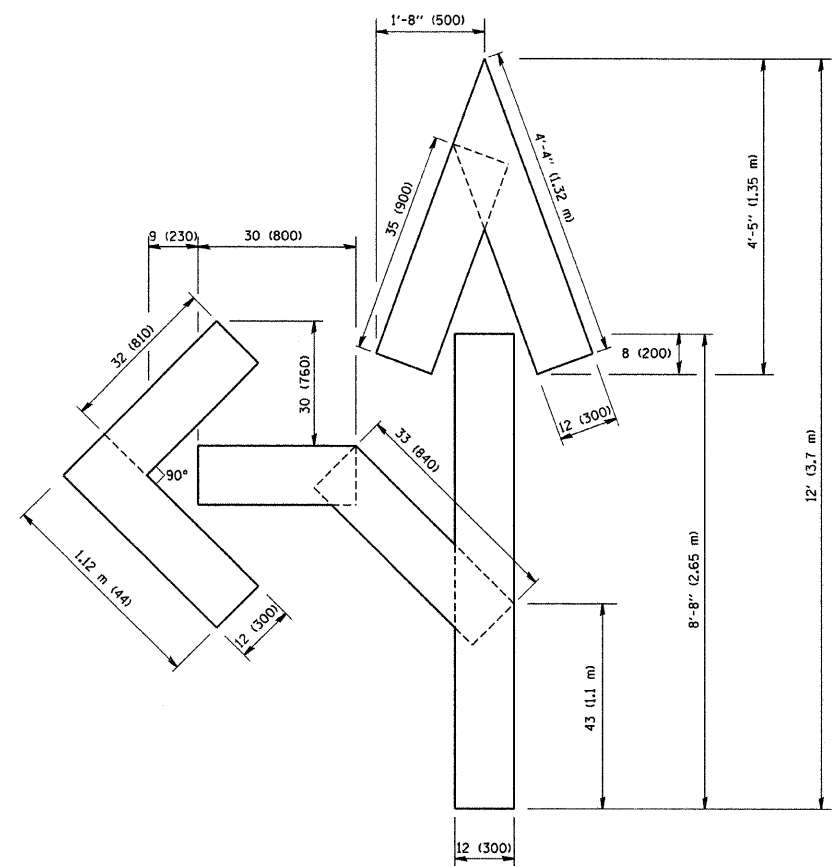
TC-13

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USER NAME = Danner D

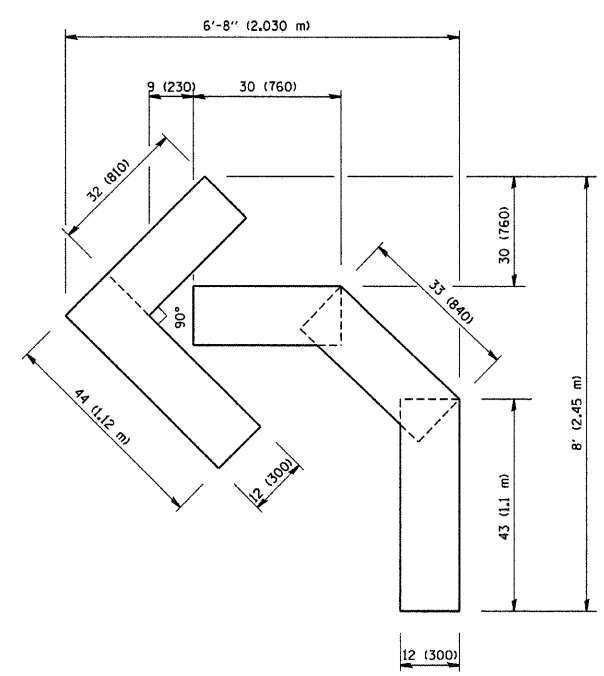
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
286508-00250-01-FW	COOK		31	30
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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.

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

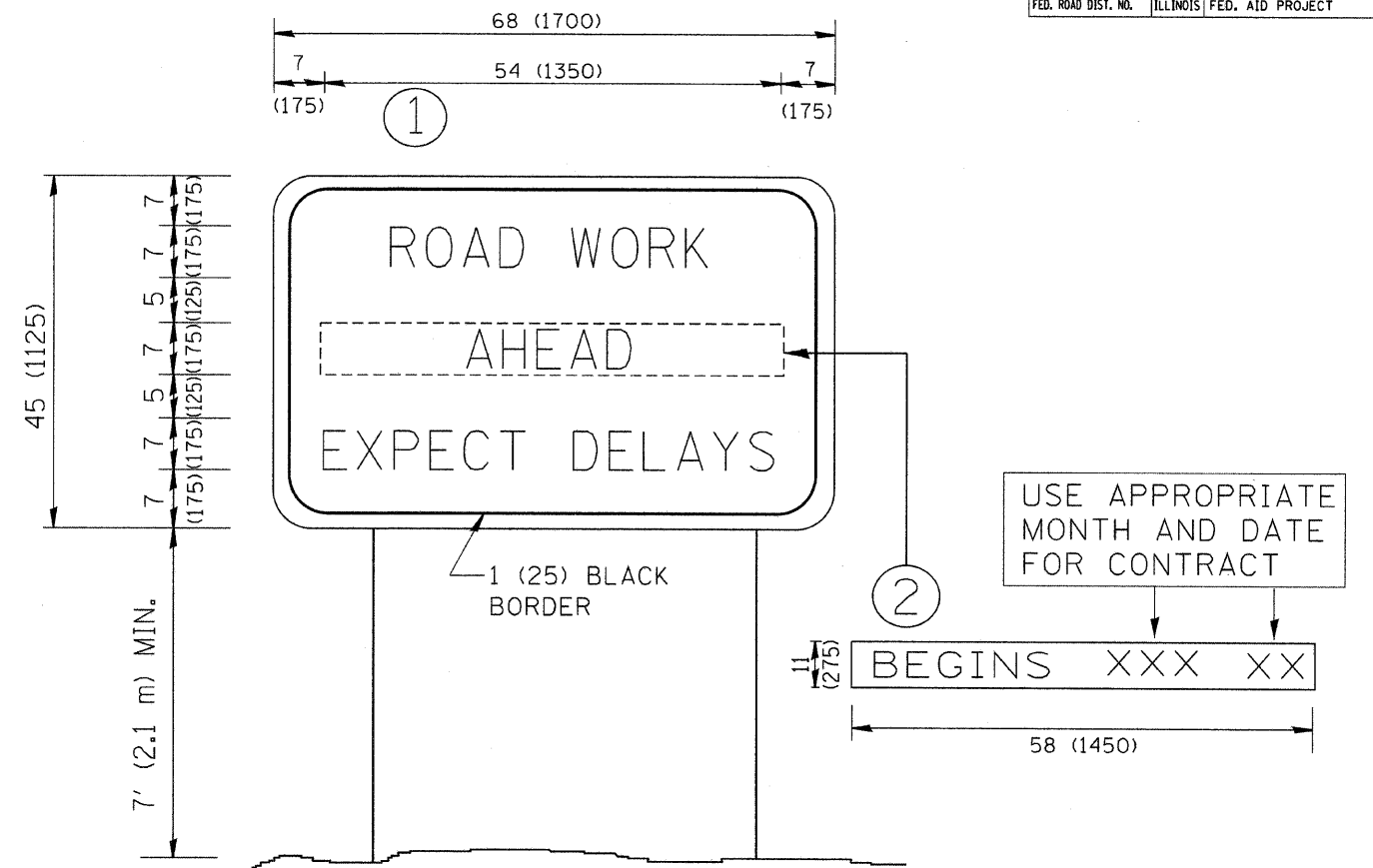
PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE

DRAWN BY CADD
 CHECKED BY
 TC-16

PLT DATE = 3/7/2007
 FILE NAME = K:\adviser\16.dgn
 USER NAME = bauer1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
286508-00250-01-PY		COOK	31	31
STA.		TO STA.		
FED. ROAD DIST. NO.		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.

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCLIS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

SCALE: NONE

DRAWN BY DESIGN

CHECKED BY

TC22