

96+3-99

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 1297 (GLENVIEW ROAD)
EAST OF HARLEM AVENUE TO WAUKEGAN ROAD (ILLINOIS ROUTE 43)
RESURFACING AND PEDESTRIAN IMPROVEMENTS

SECTION: 15-00192-00-RS

PROJECT: M-4003(585)

VILLAGE OF GLENVIEW

COOK COUNTY

C-91-043-16

S.N. 016-7056

TRAFFIC DATA

GLENVIEW ROAD
POSTED SPEED LIMIT = 25 MPH
DESIGN SPEED LIMIT = 30 MPH
2015 ADT = 11,400

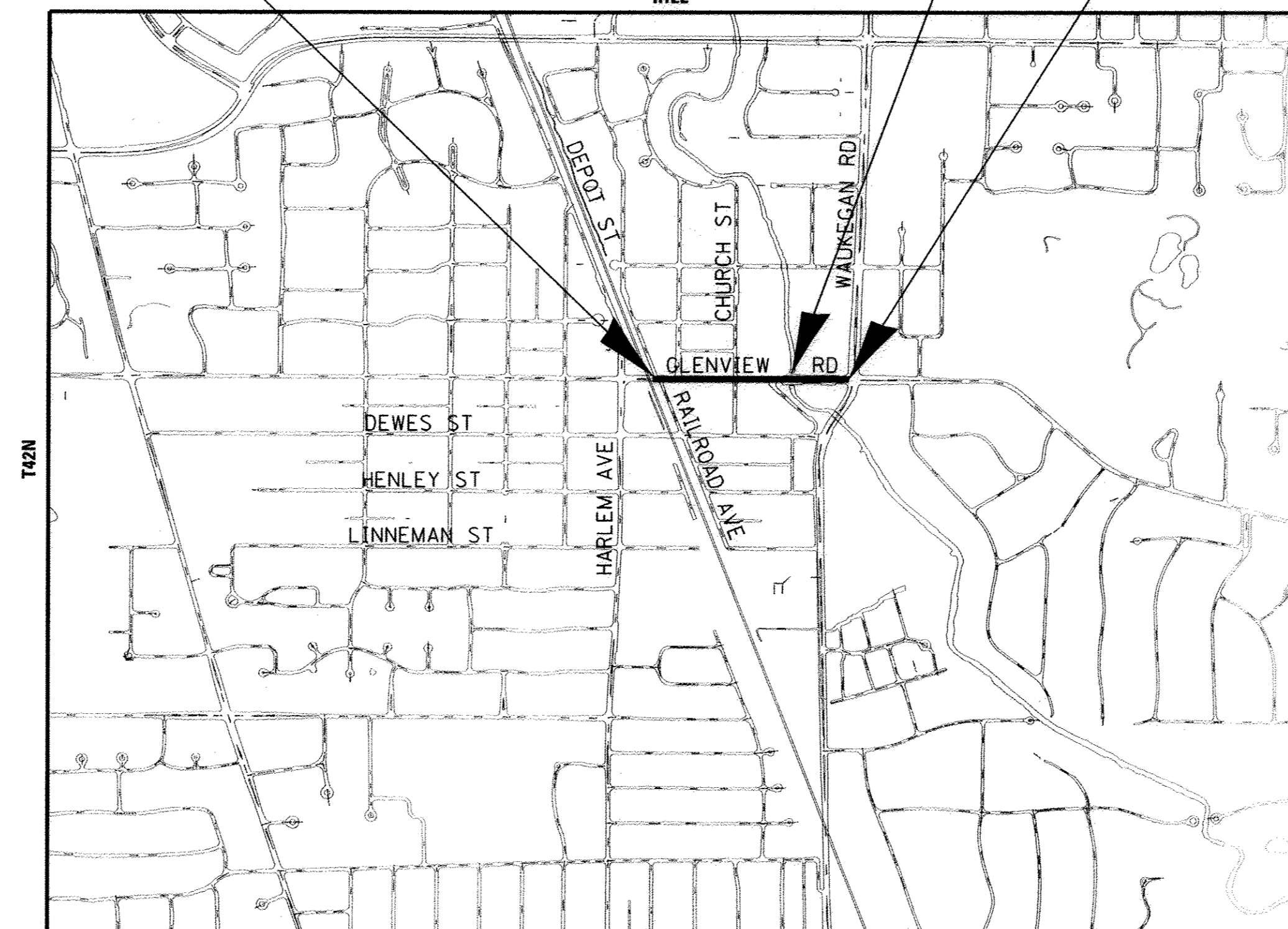
FUNCTIONAL CLASSIFICATION

MINOR ARTERIAL

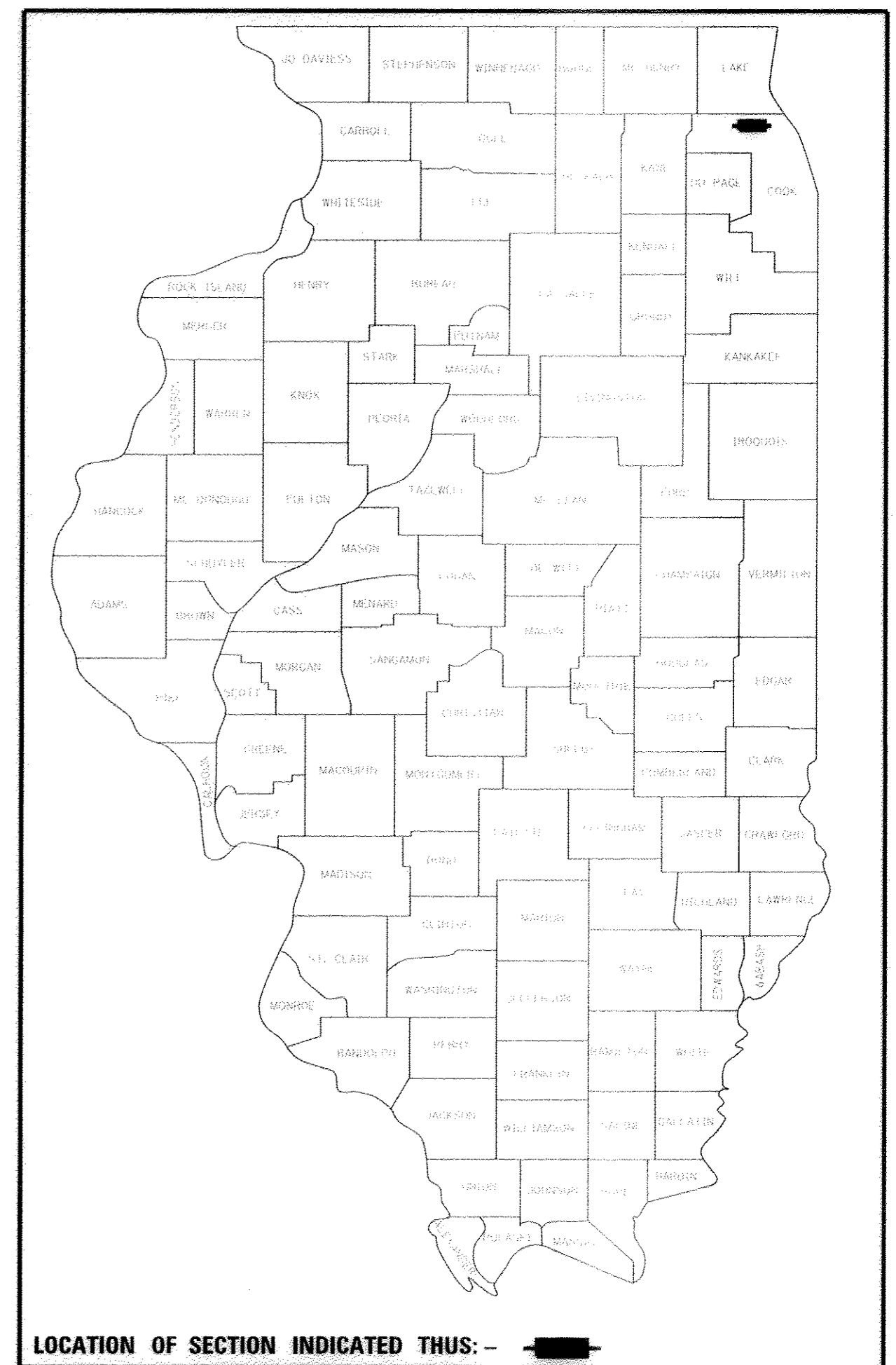
BEGIN IMPROVEMENTS
GLENVIEW ROAD
STA 102 + 34.20

END IMPROVEMENTS
GLENVIEW ROAD
STA 117 + 41.52

LOCATION MAP
R12E



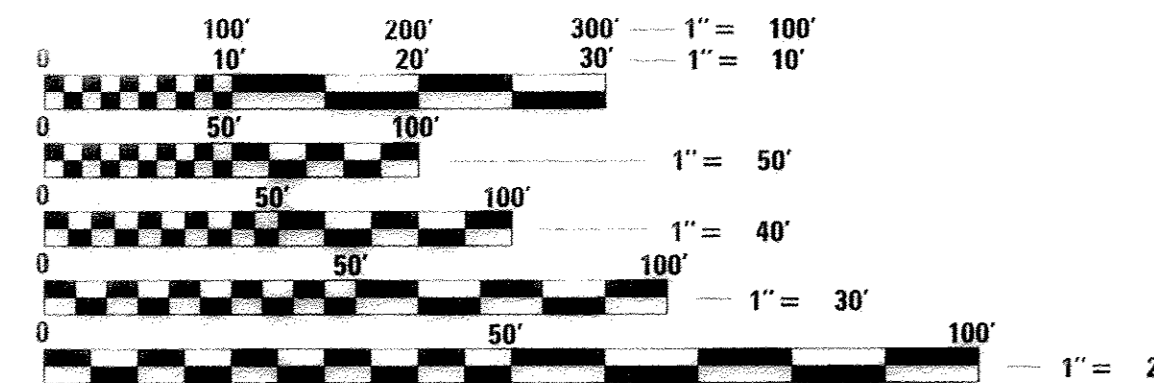
NORTHFIELD TWP; SECTIONS 35; T42N; R12E OF THE THIRD PRINCIPAL MERIDIAN
GROSS LENGTH = 1,507.32 FT. = 0.285 MILE
NET LENGTH = 1,507.32 FT. = 0.285 MILE



LOCATION OF SECTION INDICATED THUS: -

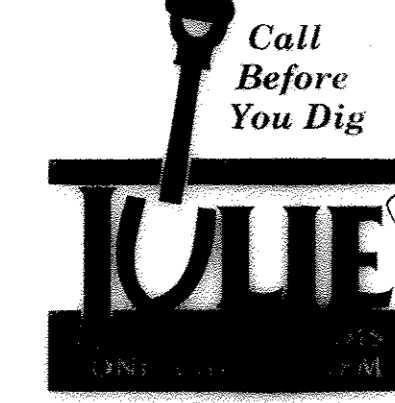
Professional Engineer Seal for Jay C. Coleman, License No. 02-58286, State of Illinois. Project Manager, License Expires 11-30-17.

Professional Engineer Seal for Gary S. Wall, License No. 062-048406, State of Illinois. Electrical Engineer, License Expires 11-30-17.



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. DESIGN STAGE REQUEST
DIG. No. A1473860



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
COUNTY = COOK
CITY-TWNSHP. = GLENVIEW-NORTHFIELD
SEC. & 1/4 SEC. NO. = 35
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61D32

BAXTER & WOODMAN

Consulting Engineers

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 11/29/2016
John Schneider
VILLAGE OF GLENVIEW, VILLAGE ENGINEER

PASSED DECEMBER 22, 2016
Christopher Holt
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW
December 22, 2016
John Fortman
REGIONAL ENGINEER

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PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E., 887-705-4406, SCHAUMBURG, IL

COMMITMENTS

THERE ARE NO COMMITMENTS ON THIS PROJECT.


HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602401-03	MANHOLE TYPE A
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-04	FRAME AND LIDS TYPE 1
604056-04	FRAME AND GRATE TYPE 11V
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-07	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877001-06	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

INDEX OF SHEETS

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	DESIGNED - JFM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS AND COMMITMENTS	F.A.U. RTE. 1297	SECTION 15-00192-00-RS	COUNTY COOK	TOTAL SHEETS 96	SHEET NO. 2
	DRAWN - MAC	REVISED -			CONTRACT NO. 61D32				
CHECKED - JCC	REVISED -	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							
DATE - 12/05/2016	FILE - 150009-28SHT_GenNotes.dgn	SCALE: NONE STA. TO STA.							

GENERAL NOTES

- 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 "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".
- THE LOCATIONS OF PUBLIC AND/OR PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE VILLAGE AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY TO VERIFY THAT GRADE CONFLICTS WILL NOT OCCUR WITH ANY PROPOSED UTILITIES PRIOR TO CONSTRUCTION AND ORDERING ANY MATERIALS. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, FIBER OPTICS, GAS, WATER, SEWER AND CABLE TELEVISION FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS OFFICE (847-657-3030) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.
- EXISTING PAVEMENT, DRIVEWAY PAVEMENT, CURB AND GUTTER AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING.
- CURB AND GUTTER SHALL BE DEPRESSED AT DRIVEWAYS AND SIDEWALK RAMPS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS. SIDEWALK RAMPS FOR ACCESS FOR THE DISABLED SHALL BE PROVIDED AT THE PROPOSED CROSSWALKS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER. SIDE CURBS SHOWN IN IDOT HIGHWAY STANDARDS SHALL NOT BE INSTALLED ON THIS PROJECT.
- PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 8-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES COMMERCIAL DRIVEWAYS AND TO 6-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES RESIDENTIAL DRIVEWAYS. TRANSVERSE EXPANSION JOINTS 1/4" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5-FEET OR AS SHOWN ON THE PLANS. ALL CONTRACTION JOINTS SHALL BE TOOLED. SAWCUTTING OF CONTRACTION JOINTS SHALL NOT BE ALLOWED.
- A 1/2-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS OR BUSINESS AND THE VILLAGE WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.

- DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF A REPLACEABLE CAST-IN-PLACE PANELS MANUFACTURED BY ADA SOLUTIONS INCORPORATED. THE PANEL SHALL COMPLY WITH ADA REQUIREMENTS. THE PANEL COLOR SHALL BE BRICK RED UNLESS DETERMINED OTHERWISE BY THE ENGINEER. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND THE APPLICABLE HIGHWAY STANDARD.
- PER THE VILLAGE'S ORDINANCE, THE CONTRACTOR SHALL BE REQUIRED TO CONFINE THE WORK ACTIVITY BETWEEN 7:00 AM-7:00 PM MONDAY THROUGH FRIDAY, 9:00 AM-5:00 PM SATURDAYS. WORK ON SATURDAYS SHALL BE COORDINATED AND APPROVED IN WRITING BY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE. NO WORK WILL BE PERMITTED ON SUNDAY OR VILLAGE OBSERVED HOLIDAYS WITHOUT THE ENGINEER'S WRITTEN APPROVAL. WORK ACTIVITY, AS INTENDED HEREIN, INCLUDES WARMING/STARTING UP/IDLING OF ANY MACHINERY OR ENGINES.
- THE CONTRACTOR WILL NOT BE ALLOW TO LEAVE DEBRIS OR LOOSE MATERIAL IN THE FLOW LINE OF DRAINAGE STRUCTURES OR WHERE THE NATURAL FLOW OF WATER MAY BE AFFECTED. DEBRIS OR LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY AND PRIOR TO ACCEPTANCE OF THE IMPROVEMENT. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
- ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- THE DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT SHOWN IN THE PLANS SHALL BE MODIFIED TO INCLUDE THE FOLLOWING. THE WORK SHALL INCLUDE SAW-CUTTING AND REMOVING THE EXISTING PAVEMENT A MINIMUM OF 6-INCHES MEASURED FROM THE EXISTING EDGE OF PAVEMENT, AND FILLING THE 6" GAP WITH CLASS SI CONCRETE TO AN ELEVATION 2-1/2" BELOW THE PROPOSED CURB AND GUTTER FLAG.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR UTILITY OWNER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH IMPACTED UTILITY OWNERS AND HIS CONSTRUCTION SCHEDULE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
- TRENCH BACKFILL FOR THIS PROJECT SHALL CONSIST OF CRUSHED CA-6 AND SHALL BE COMPACTED BY METHOD 1 ONLY.
- PRIOR TO CONSTRUCTION OF ANY PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE AND LOCATE THE EXISTING UTILITIES TO VERIFY THEIR LOCATION, SIZE, AND DEPTH TO INSURE THAT GRADE CONFLICTS WILL NOT OCCUR. THE COST OF THIS EXPLORATION SHALL BE PAID FOR AS EXPLORATION TRENCH, SPECIAL.
- ALL CRACKS AND JOINTS SHALL BE CLEANED PRIOR TO FILLING THEM.
- DURING CONSTRUCTION, THE CONTRACTOR WILL BE PERMITTED TO LIMIT ON-STREET PARKING IN ORDER TO COMPLETE CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE MUNICIPALITY A MINIMUM OF 48 HOURS IN ADVANCE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE ADVANCE SIGNS TO ALERT RESIDENTS AND COMMUTERS OF THE CONSTRUCTION WORK. THE PLACEMENT OF THESE SIGNS SHALL TAKE PLACE 48 HOURS IN ADVANCE IN ORDER TO ALLOW SUFFICIENT TIME FOR RESIDENTS AND GENERAL PUBLIC TO REVISE THEIR PARKING PATTERNS.

- A PORTABLE BATHROOM(S) SHALL BE PLACED ON THE JOB SITE(S) AND RELOCATED WHEN NECESSARY SO IT IS ACCESSIBLE TO WORKERS. IF WORK IS OCCURRING AT SEVERAL LOCATIONS, ONE PORTABLE BATHROOM SHALL BE PLACED AT EACH LOCATION WITHIN A REASONABLE DISTANCE FROM THE WORK AS DETERMINED BY THE ENGINEER.
- SOME RAVELING IS ANTICIPATED ALONG EDGES OF EXISTING PAVEMENT ADJACENT TO REMOVALS. TO MAKE THE NECESSARY REPAIRS, INCIDENTAL HOT-MIX ASPHALT SURFACING ALONG WITH THE APPROPRIATE REMOVAL PAY ITEMS SHALL BE USED AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROCURE PERMITS FROM METRA. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS AND DETAILS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		STA.	TO STA.
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GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61032	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION
				0005	0021	0021	0043	0031
				STU	STU	STU	LOCAL	LOCAL
70/30	70/30	70/30	100	100				
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	59	59				
20101000	TEMPORARY FENCE	FOOT	500	500				
20101100	TREE TRUNK PROTECTION	EACH	33	33				
* 20101200	TREE ROOT PRUNING	EACH	29	29				
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	15	15				
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	20	20				
20200100	EARTH EXCAVATION	CU YD	569	569				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	755	755				
20800150	TRENCH BACKFILL	CU YD	199	199				
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	354	354				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,966	1,966				
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	632	632				
21101665	TOPSOIL FURNISH AND PLACE, 18"	SQ YD	215	215				
21101695	TOPSOIL FURNISH AND PLACE, 30"	SQ YD	210	210				
* 25000100	SEEDING, CLASS 1	ACRE	0.25	0.25				

* INDICATES SPECIALTY ITEM
 + INDICATES CONSTRUCTION CODE 0042 TRAINEES

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CHECKED - JCC	REVISED -
DATE - 12/05/2016	FILE - 150009-28SHT_S00.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-R5	COOK	96	4
CONTRACT NO. 61032			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE					
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION	
				0005	0021	0021	0043	0031	
				STU	STU	STU	LOCAL	LOCAL	
70/30	70/30	70/30	100	100					
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	44	44					
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	44	44					
* 25200100	SODDING	SQ YD	1,951	1,951					
* 25200200	SUPPLEMENTAL WATERING	UNIT	64	64					
28000400	PERIMETER EROSION BARRIER	FOOT	100	100					
28000510	INLET FILTERS	EACH	21	21					
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	65	65					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	244	244					
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	4,584	4,584					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	50	50					
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	178	178					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6,390	6,390					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	17	17					
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	553	553					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	170	170					

* INDICATES SPECIALTY ITEM
 + INDICATES CONSTRUCTION CODE 0042 TRAINEES

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 WWW.BAXTERANDWOODMAN.COM
 PROJECT: I-55/US-41/US-124/US-156/US-158/US-159/US-160/US-161/US-162/US-163/US-164/US-165/US-166/US-167/US-168/US-169/US-170/US-171/US-172/US-173/US-174/US-175/US-176/US-177/US-178/US-179/US-180/US-181/US-182/US-183/US-184/US-185/US-186/US-187/US-188/US-189/US-190/US-191/US-192/US-193/US-194/US-195/US-196/US-197/US-198/US-199/US-200/US-201/US-202/US-203/US-204/US-205/US-206/US-207/US-208/US-209/US-210/US-211/US-212/US-213/US-214/US-215/US-216/US-217/US-218/US-219/US-220/US-221/US-222/US-223/US-224/US-225/US-226/US-227/US-228/US-229/US-230/US-231/US-232/US-233/US-234/US-235/US-236/US-237/US-238/US-239/US-240/US-241/US-242/US-243/US-244/US-245/US-246/US-247/US-248/US-249/US-250/US-251/US-252/US-253/US-254/US-255/US-256/US-257/US-258/US-259/US-260/US-261/US-262/US-263/US-264/US-265/US-266/US-267/US-268/US-269/US-270/US-271/US-272/US-273/US-274/US-275/US-276/US-277/US-278/US-279/US-280/US-281/US-282/US-283/US-284/US-285/US-286/US-287/US-288/US-289/US-290/US-291/US-292/US-293/US-294/US-295/US-296/US-297/US-298/US-299/US-300/US-301/US-302/US-303/US-304/US-305/US-306/US-307/US-308/US-309/US-310/US-311/US-312/US-313/US-314/US-315/US-316/US-317/US-318/US-319/US-320/US-321/US-322/US-323/US-324/US-325/US-326/US-327/US-328/US-329/US-330/US-331/US-332/US-333/US-334/US-335/US-336/US-337/US-338/US-339/US-340/US-341/US-342/US-343/US-344/US-345/US-346/US-347/US-348/US-349/US-350/US-351/US-352/US-353/US-354/US-355/US-356/US-357/US-358/US-359/US-360/US-361/US-362/US-363/US-364/US-365/US-366/US-367/US-368/US-369/US-370/US-371/US-372/US-373/US-374/US-375/US-376/US-377/US-378/US-379/US-380/US-381/US-382/US-383/US-384/US-385/US-386/US-387/US-388/US-389/US-390/US-391/US-392/US-393/US-394/US-395/US-396/US-397/US-398/US-399/US-400/US-401/US-402/US-403/US-404/US-405/US-406/US-407/US-408/US-409/US-410/US-411/US-412/US-413/US-414/US-415/US-416/US-417/US-418/US-419/US-420/US-421/US-422/US-423/US-424/US-425/US-426/US-427/US-428/US-429/US-430/US-431/US-432/US-433/US-434/US-435/US-436/US-437/US-438/US-439/US-440/US-441/US-442/US-443/US-444/US-445/US-446/US-447/US-448/US-449/US-450/US-451/US-452/US-453/US-454/US-455/US-456/US-457/US-458/US-459/US-460/US-461/US-462/US-463/US-464/US-465/US-466/US-467/US-468/US-469/US-470/US-471/US-472/US-473/US-474/US-475/US-476/US-477/US-478/US-479/US-480/US-481/US-482/US-483/US-484/US-485/US-486/US-487/US-488/US-489/US-490/US-491/US-492/US-493/US-494/US-495/US-496/US-497/US-498/US-499/US-500/US-501/US-502/US-503/US-504/US-505/US-506/US-507/US-508/US-509/US-510/US-511/US-512/US-513/US-514/US-515/US-516/US-517/US-518/US-519/US-520/US-521/US-522/US-523/US-524/US-525/US-526/US-527/US-528/US-529/US-530/US-531/US-532/US-533/US-534/US-535/US-536/US-537/US-538/US-539/US-540/US-541/US-542/US-543/US-544/US-545/US-546/US-547/US-548/US-549/US-550/US-551/US-552/US-553/US-554/US-555/US-556/US-557/US-558/US-559/US-560/US-561/US-562/US-563/US-564/US-565/US-566/US-567/US-568/US-569/US-570/US-571/US-572/US-573/US-574/US-575/US-576/US-577/US-578/US-579/US-580/US-581/US-582/US-583/US-584/US-585/US-586/US-587/US-588/US-589/US-590/US-591/US-592/US-593/US-594/US-595/US-596/US-597/US-598/US-599/US-600/US-601/US-602/US-603/US-604/US-605/US-606/US-607/US-608/US-609/US-610/US-611/US-612/US-613/US-614/US-615/US-616/US-617/US-618/US-619/US-620/US-621/US-622/US-623/US-624/US-625/US-626/US-627/US-628/US-629/US-630/US-631/US-632/US-633/US-634/US-635/US-636/US-637/US-638/US-639/US-640/US-641/US-642/US-643/US-644/US-645/US-646/US-647/US-648/US-649/US-650/US-651/US-652/US-653/US-654/US-655/US-656/US-657/US-658/US-659/US-660/US-661/US-662/US-663/US-664/US-665/US-666/US-667/US-668/US-669/US-670/US-671/US-672/US-673/US-674/US-675/US-676/US-677/US-678/US-679/US-680/US-681/US-682/US-683/US-684/US-685/US-686/US-687/US-688/US-689/US-690/US-691/US-692/US-693/US-694/US-695/US-696/US-697/US-698/US-699/US-700/US-701/US-702/US-703/US-704/US-705/US-706/US-707/US-708/US-709/US-710/US-711/US-712/US-713/US-714/US-715/US-716/US-717/US-718/US-719/US-720/US-721/US-722/US-723/US-724/US-725/US-726/US-727/US-728/US-729/US-730/US-731/US-732/US-733/US-734/US-735/US-736/US-737/US-738/US-739/US-740/US-741/US-742/US-743/US-744/US-745/US-746/US-747/US-748/US-749/US-750/US-751/US-752/US-753/US-754/US-755/US-756/US-757/US-758/US-759/US-760/US-761/US-762/US-763/US-764/US-765/US-766/US-767/US-768/US-769/US-770/US-771/US-772/US-773/US-774/US-775/US-776/US-777/US-778/US-779/US-780/US-781/US-782/US-783/US-784/US-785/US-786/US-787/US-788/US-789/US-790/US-791/US-792/US-793/US-794/US-795/US-796/US-797/US-798/US-799/US-800/US-801/US-802/US-803/US-804/US-805/US-806/US-807/US-808/US-809/US-810/US-811/US-812/US-813/US-814/US-815/US-816/US-817/US-818/US-819/US-820/US-821/US-822/US-823/US-824/US-825/US-826/US-827/US-828/US-829/US-830/US-831/US-832/US-833/US-834/US-835/US-836/US-837/US-838/US-839/US-840/US-841/US-842/US-843/US-844/US-845/US-846/US-847/US-848/US-849/US-850/US-851/US-852/US-853/US-854/US-855/US-856/US-857/US-858/US-859/US-860/US-861/US-862/US-863/US-864/US-865/US-866/US-867/US-86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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION
				0005	0021	0021	0043	0031
				STU	STU	STU	LOCAL	LOCAL
70/30	70/30	70/30	100	100				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	6	6				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	965	965				
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	40	40				
42001300	PROTECTIVE COAT	SQ YD	3,863	3,863				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	364	364				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	19,875	19,875				
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,795	1,795				
42400800	DETECTABLE WARNINGS	SQ FT	300	300				
44000100	PAVEMENT REMOVAL	SQ YD	333	333				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	9,383	9,383				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	440	440				
44000300	CURB REMOVAL	FOOT	30	30				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	285	285				
44000600	SIDEWALK REMOVAL	SQ FT	33,820	33,820				
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	189	189				

* INDICATES SPECIALTY ITEM
 + INDICATES CONSTRUCTION CODE 0042 TRAINEES

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM ...\\CADD\Plots\150009-28_Pen.tbl
 LICENSE NO. 044-00121 - EXPIRES 12/30/2017 ...\\CrystalLake\GLV\150009-Civ
 02/23/2016 3:16:00 PM Eng\150009\28_Glenview_Road_Ph_1\CADD\Drawings\Sheets\150009-28SHT_500.dgn



DESIGNED - JFM	REVISED -
DRAWN - MAC	REVISED -
CHECKED - JCC	REVISED -
DATE - 12/05/2016	FILE - 150009-28SHT_500.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-P3	COOK	96	6
CONTRACT NO. 61D32				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION
				0005	0021	0021	0043	0031
				STU	STU	STU	LOCAL	LOCAL
70/30	70/30	70/30	100	100				
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	282	282				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1,127	1,127				
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3,014	3,014				
550A0040	STORM SEWERS, CLASS B, TYPE 1 10"	FOOT	50	50				
550A0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	379	379				
55100400	STORM SEWER REMOVAL 10"	FOOT	61	61				
55100500	STORM SEWER REMOVAL 12"	FOOT	295	295				
* 56100600	WATER MAIN 6"	FOOT	131			131		
* 56100700	WATER MAIN 8"	FOOT	128			128		
* 56100800	WATER MAIN 10"	FOOT	36			36		
* 56100900	WATER MAIN 12"	FOOT	14			14		
* 56101000	WATER MAIN 16"	FOOT	718			718		
* 56105000	WATER VALVES 8"	EACH	3			3		
* 56105100	WATER VALVES 10"	EACH	1			1		
* 56105760	BUTTERFLY VALVES 16"	EACH	6			6		

* INDICATES SPECIALTY ITEM
 * INDICATES CONSTRUCTION CODE 0042 TRAINEES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-R5	COOK	96	7
CONTRACT NO. 61D32			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION
				0005	0021	0021	0043	0031
				STU	STU	STU	LOCAL	LOCAL
70/30	70/30	70/30	100	100				
* 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	4				4	
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	3				3	
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	15	15				
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3				
60238800	INLETS, TYPE A	EACH	16	16				
* 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4				4	
* 60249010	VALVE VAULTS, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6				6	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	9	9				
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5				
60500060	REMOVING INLETS	EACH	13	13				
60500040	REMOVING MANHOLES	EACH	2	2				
60500050	REMOVING CATCH BASINS	EACH	3	3				
60600605	CONCRETE CURB, TYPE B	FOOT	70	70				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	285	285				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	8
CONTRACT NO. 61032			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE					
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION	
				0005	0021	0021	0043	0031	
				STU	STU	STU	LOCAL	LOCAL	
70/30	70/30	70/30	100	100					
67100100	MOBILIZATION	LSUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	150	150					
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	8	8					
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	789	789					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	264	264					
70300220	TEMPORARY PAVEMENT MARKING- LINE 4"	FOOT	9,340	9,340					
70300240	TEMPORARY PAVEMENT MARKING- LINE 6"	FOOT	3,208	3,208					
70300260	TEMPORARY PAVEMENT MARKING- LINE 12"	FOOT	402	402					
70300280	TEMPORARY PAVEMENT MARKING- LINE 24"	FOOT	444	444					
72000100	SIGN PANEL - TYPE 1	SQ FT	43	27	16				
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	5					
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	18	18					
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	75	75					
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,670	4,670					
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,604	1,604					

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61D32	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION
				0005	0021	0021	0043	0031
				STU	STU	STU	LOCAL	LOCAL
70/30	70/30	70/30	100	100				
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	43			43		
* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1			1		
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1			
* 87100020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1,220		1,220			
* 87300901	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	1,220		1,220			
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,079		1,079			
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,123		1,123			
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,154		2,154			
* 87301295	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	214		214			
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	225		225			
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	180		180			
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	506		506			
* 87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	4		4			
* 87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	2		2			

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	11
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION
				0005	0021	0021	0043	0031
				STU	STU	STU	LOCAL	LOCAL
70/30	70/30	70/30	100	100				
* 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2		2			
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16			
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4			
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40		40			
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8		8			
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6		6			
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8			
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8		8			
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	2		2			
* 88600100	DETECTOR LOOP, TYPE I	FOOT	195		195			
* 88700200	LIGHT DETECTOR	EACH	2		2			
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1			
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1			
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	8		8			
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,220		1,220			

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	-15-00192-00-RS	COOK	96	12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61D32	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION
				0005	0021	0021	0043	0031
				STU	STU	STU	LOCAL	LOCAL
70/30	70/30	70/30	100	100				
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1			
* 89502380	REMOVE EXISTING HANDHOLE	EACH	3		3			
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1			
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11		11			
* A2000120	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4				
* A2003120	TREE, CELTIS OCCIDENTALIS WINDY CITY (WINDY CITY HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
* A2004520	TREE, GINKGO BILOBA PRINCETON SENTRY (PRINCETON SENTRY GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
* A2004720	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEY LOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
* A2005040	TREE, GYMNOCLADUS DIOICUS ESPRESSO-JFS (ESPRESSO KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
* A2005920	TREE, PLATANUS X ACERIFOLIA BLOODGOOD (BLOODGOOD LONDON PLANETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
* A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
* A2008519	TREE, ULMUS MORTON GLOSSY (TRUMP ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2				
* C2000324	SHRUB, ARONIA MELANOCARPA IROQUOIS BEAUTY (IROQUOIS BEAUTY BLACK CHOKEBERRY), 2' HEIGHT, CONTAINER	EACH	28	28				
* C2002324	SHRUB, DIERVILLA LONICERA (BUSH HONEY SUCKLE), 2' HEIGHT, BALLED AND BURLAPPED	EACH	28	28				
* C2003424	SHRUB, HYDRANGEA ARBORESCENS ANNA BELLE (ANNA BELLE SMOOTH HYDRANGEA), 2' HEIGHT, BALLED AND BURLAPPED	EACH	23	23				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 61D32				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE					
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION	
				0005	0021	0021	0043	0031	
				STU	STU	STU	LOCAL	LOCAL	
70/30	70/30	70/30	100	100					
* C2003802	SHRUB, ILEX GLABRA SHAMROCK (SHAMROCK INKBERRY HOLLY), 2' HEIGHT, CONTAINER	EACH	26	26					
* C2005812	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 2' HEIGHT, BALLED AND BURLAPPED	EACH	20	20					
* C2006324	SHRUB, RIBES ALPINUM GREEN MOUND (GREEN MOUND ALPINE CURRANT), 24" WIDTH, BALLED AND BURLAPPED	EACH	15	15					
* C2009784	SHRUB, SPIREA BETULIFOLIA TOR (TOR BIRCHLEAF SPIREA), 2' HEIGHT, CONTAINER	EACH	25	25					
* C2010724	SYMPHORICARPOS X CHENAULTII HANCOCK, (HANCOCK CHENAULT CORALBERRY), 2' HEIGHT, BALLED AND BURLAPPED	EACH	104	104					
* C2010924	SHRUB, SYRINGA MEYERI PALIBIN (DWARF KOREAN LILAC), 2' HEIGHT, BALLED AND BURLAPPED	EACH	3	3					
* D2015401	EVERGREEN, JUNIPERUS CHINENSIS KALLAY'S COMPACTA, (KALLAY COMPACT JUNIPER), 24" WIDTH, BALLED AND BURLAPPED	EACH	42	42					
* K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	16.5	16.5					
* K1005482	SHREDDED BARK MULCH 4"	SQ YD	120	120					
Z0003850	BENCHES	EACH	10	10					
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	727	727					
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1					
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52					
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12			12			
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1			1			

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	14
CONTRACT NO. 61D32			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION
				0005	0021	0021	0043	0031
				STU	STU	STU	LOCAL	LOCAL
70/30	70/30	70/30	100	100				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1				
* Z0050600	REMOVE AND RESET ORNAMENTAL FENCE	FOOT	55	55				
Z0062456	TEMPORARY PAVEMENT	SQ YD	500	500				
+ Z0076600	TRAINEES	HOUR	500	500				
+ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500				
X0321690	BRICK WALL REMOVAL	FOOT	160	160				
X0322102	TEMPORARY SIDEWALK RAMP	EACH	18	18				
X0323389	STORM SEWER CONNECTION	EACH	5	5				
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	214		214			
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	1,100		1,100			
* X0326146	SOIL CONDITIONER	SQ YD	1,422	1,422				
* X0326356	TEMPORARY WIRELESS INTERCONNECT SYSTEM	EACH	1		1			
X0326864	BRICK SIDEWALK REMOVAL	SQ FT	744	744				
X0327068	PAVEMENT COLOR AND TEXTURE (SPECIAL)	SQ YD	163	163				
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	295	295				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	15
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61D32	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION
				0005	0021	0021	0043	0031
				STU	STU	STU	LOCAL	LOCAL
70/30	70/30	70/30	100	100				
* X1200003	WATER SERVICE REPLACEMENT, 2" - SHORT	EACH	1				1	
* X1200015	VALVE VAULTS TO BE ABANDONED	EACH	7				7	
* X1200089	WATER SERVICE REPLACEMENT, 2" - LONG	EACH	1				1	
* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1			
* X1400088	POWER PEDESTALS	EACH	35			35		
* X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200				
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	10	10				
X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	744	744				
* X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	300				300	
* X5620102	WATER SERVICE REPLACEMENT, 1.5" - SHORT	EACH	6				6	
* X5620104	WATER SERVICE REPLACEMENT, 1.5" - LONG	EACH	7				7	
* X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	1				1	
* X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	2				2	
* X5630710	CONNECTION TO EXISTING WATER MAIN 10"	EACH	1				1	
* X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	3				3	

* INDICATES SPECIALTY ITEM
 + INDICATES CONSTRUCTION CODE 0042 TRAINEES

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DATE - 12/05/2016	FILE - 150009-28SHT_500.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	16
CONTRACT NO. 61032				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE				
				ROADWAY	SIGNALS	LIGHTING	WATER MAIN	IRRIGATION
				0005	0021	0021	0043	0031
				STU	STU	STU	LOCAL	LOCAL
70/30	70/30	70/30	100	100				
* X5630716	CONNECTION TO EXISTING WATER MAIN 16"	EACH	2				2	
X6026052	SANITARY MANHOLES FRAME AND ADJUSTMENT SEALING	EACH	8	8				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	38	38				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1				
* X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	32			32		
* X8360095	EXISTING LIGHT POLE FOUNDATION ADJUSTMENT	EACH	5			5		
* X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	11			11		
* X8410102	TEMPORARY LIGHTING SYSTEM	LSUM	1			1		
* X8410103	REMOVE TEMPORARY LIGHTING SYSTEM	LSUM	1			1		
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1			
* X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	2			2		
* XX002065	LIGHTING UNIT COMPLETE	EACH	4			4		
* XX003885	IRRIGATION SYSTEM	LSUM	1					1
XX006429	SIDEWALK, SPECIAL	SQ FT	7,380	7,380				
* XX006668	HANDHOLE TO BE ADJUSTED WITH NEW FRAME AND COVER	EACH	1		1			

* INDICATES SPECIALTY ITEM
 + INDICATES CONSTRUCTION CODE 0042 TRAINEES

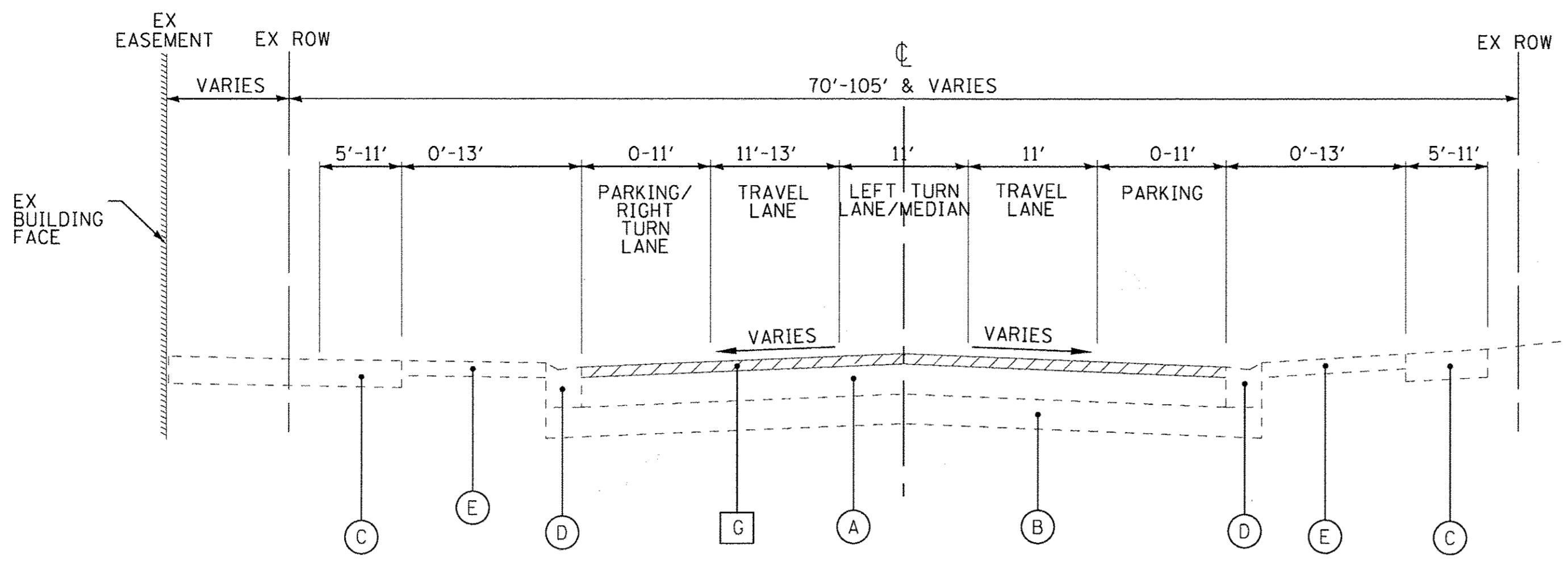
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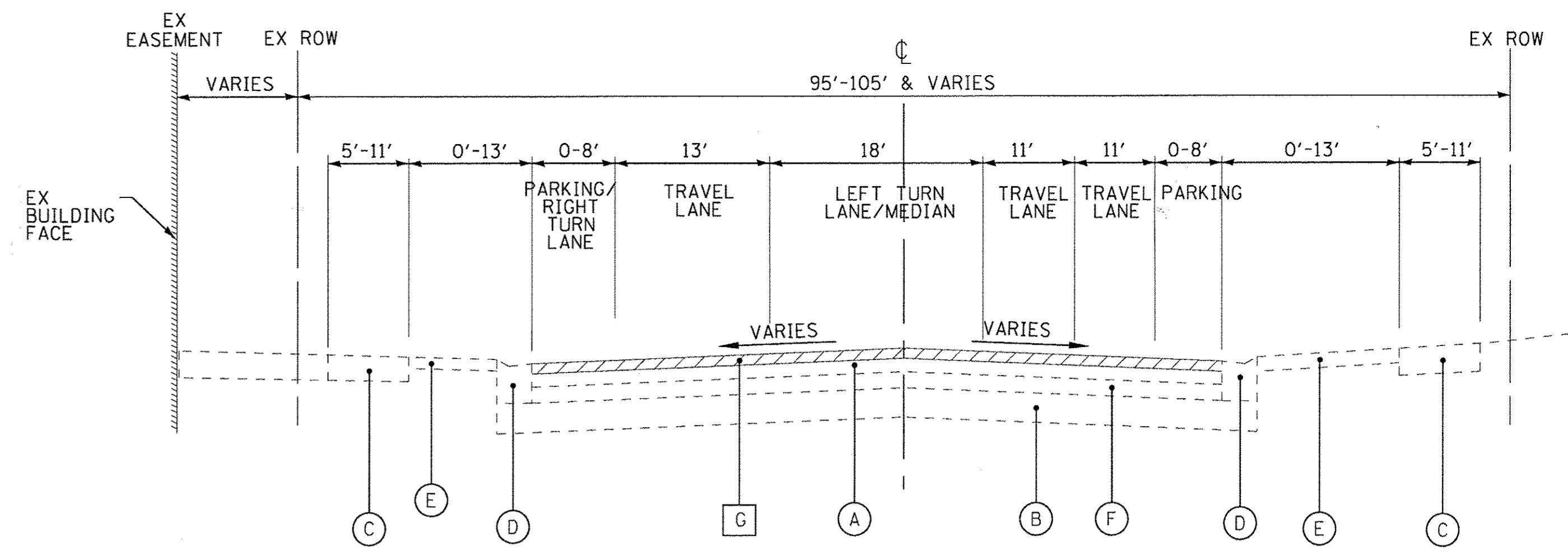
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 SCALE: NONE STA. TO STA.

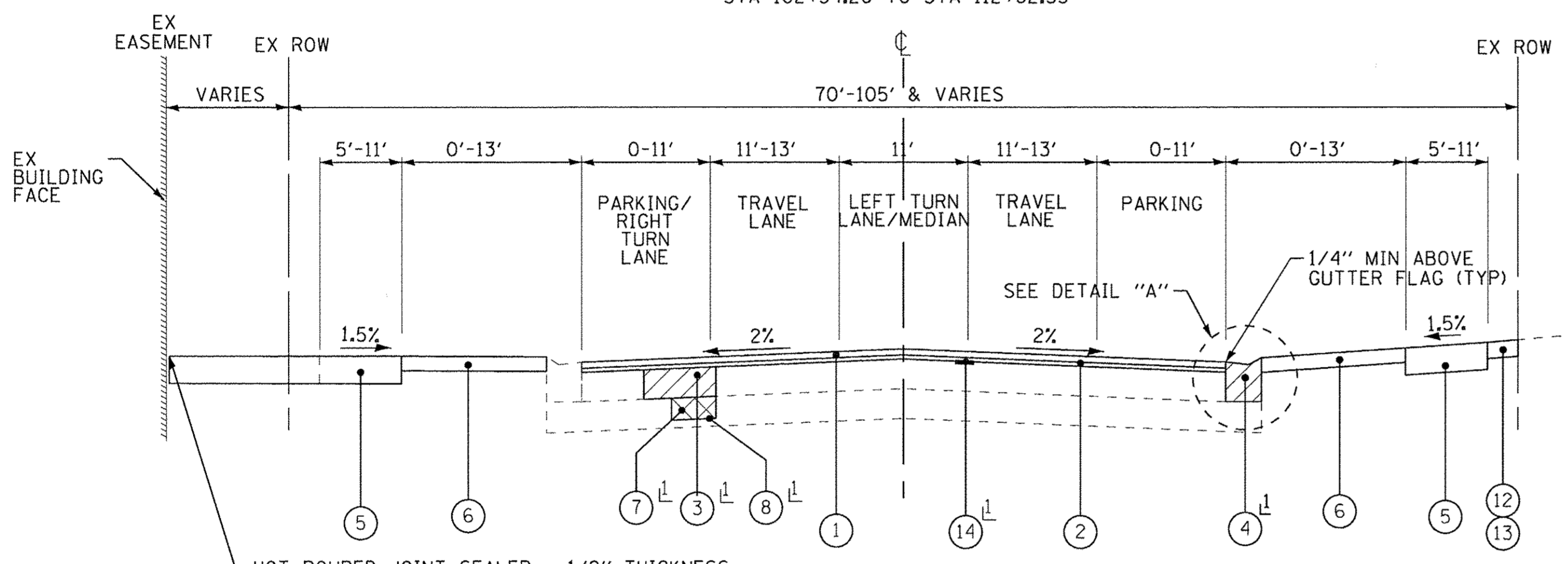
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	17
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61D32	



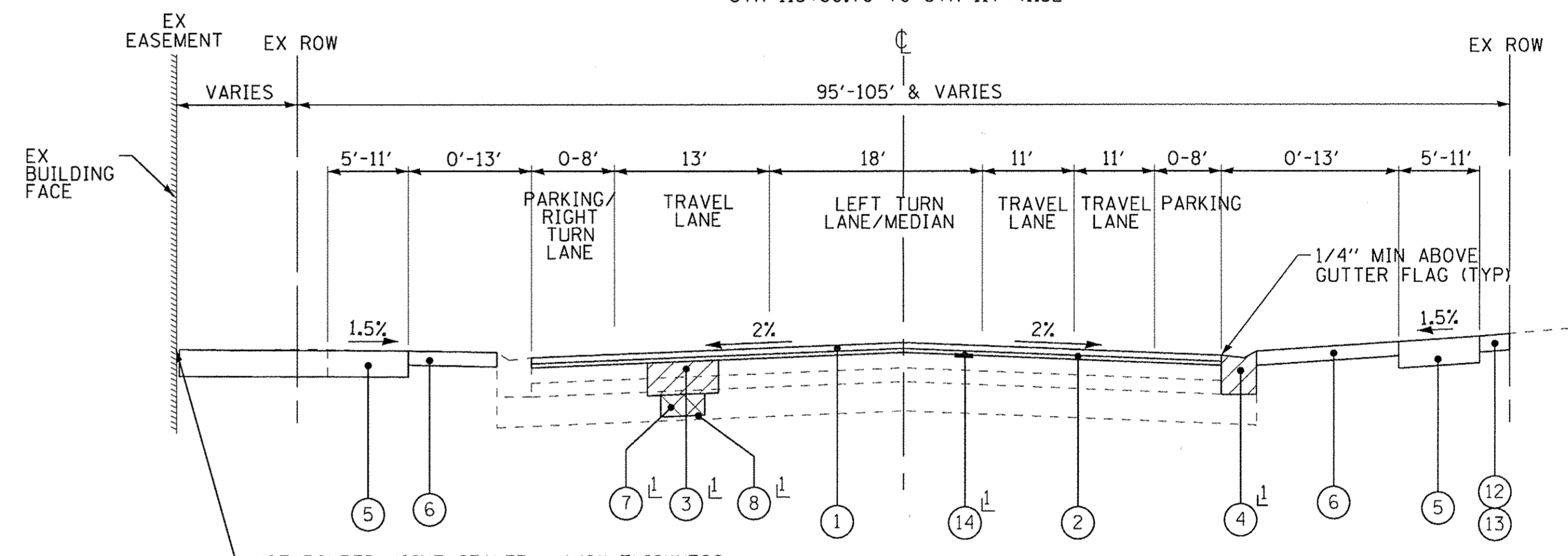
EXISTING TYPICAL SECTION
GLENVIEW ROAD
 STA 102+34.20 TO STA 112+62.53



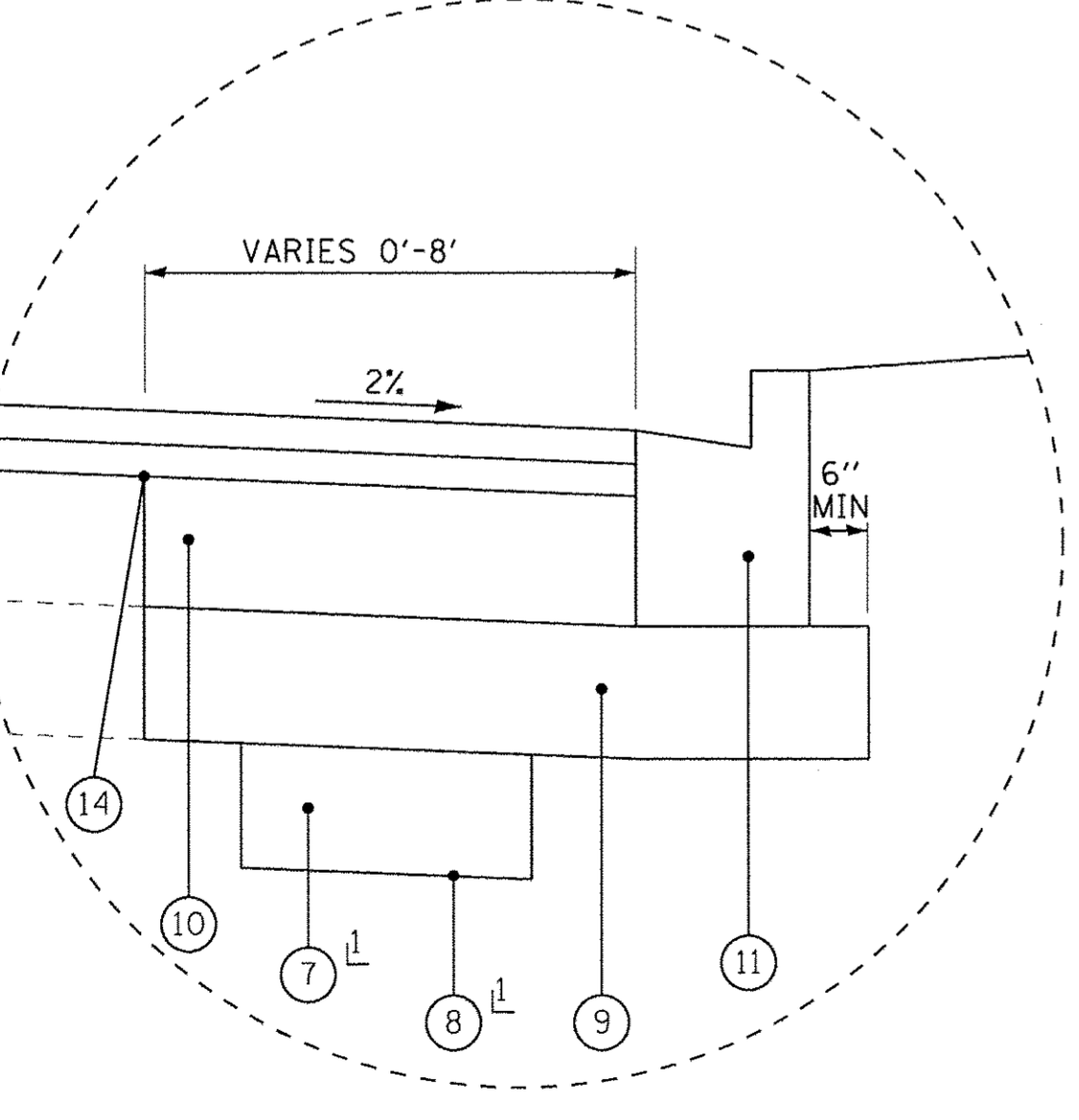
EXISTING TYPICAL SECTION
GLENVIEW ROAD
 STA 113+80.70 TO STA 117+41.52



PROPOSED TYPICAL SECTION
GLENVIEW ROAD ↓ AS DETERMINED BY THE ENGINEER
 STA 102+34.20 TO STA 112+62.53



PROPOSED TYPICAL SECTION
GLENVIEW ROAD ↓ AS DETERMINED BY THE ENGINEER
 STA 113+80.70 TO STA 117+41.52



DETAIL "A"
 WIDENING FOR PARKING LANE
 STA 109+24.60 TO STA 111+36.30

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 1 3/4" (IL 9.5mm)	4% @ 70 Gyr.
LEVELING BINDER (MACHINE METHOD), N70; 3/4" MIN & VARIES	4% @ 70 Gyr.
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 1 1/2" (IL 9.5mm)	4% @ 70 Gyr.
LEVELING BINDER (MACHINE METHOD), N70; 3/4" MIN & VARIES	4% @ 70 Gyr.
HMA BASE COURSE WIDENING (HMA BINDER IL-19mm); 10" (IN 3 LIFTS)	4% @ 70 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 6"	4% @ 70 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2" (IL 9.5mm)	4% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19mm); 8" (IN 3 LIFTS)	4% @ 50 Gyr.
INCIDENTAL HOT-MIX ASPHALT SURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm)	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19.0mm); 10"	4% @ 70 Gyr.

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

- EXISTING LEGEND**
- (A) HOT-MIX ASPHALT PAVEMENT
 - (B) AGGREGATE BASE COURSE
 - (C) SIDEWALK
 - (D) CONCRETE CURB AND GUTTER
 - (E) STREETSCAPING/LANDSCAPING
 - (F) PORTLAND CEMENT CONCRETE BASE
 - (G) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 - REMOVAL ITEM

- PROPOSED LEGEND**
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 3/4"
 - (2) LEVELING BINDER (MACHINE METHOD), N70 - 3/4" & VARIES
 - (3) CLASS D PATCHES, 10"
 - (4) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
 - (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
 - (6) REPLACE EXISTING STREETSCAPING/LANDSCAPING (SEE DETAILS)
 - (7) AGGREGATE SUBGRADE IMPROVEMENT
 - (8) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - (9) AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - (10) HOT-MIX ASPHALT BASE COURSE WIDENING, 10"
 - (11) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
 - (12) SODDING
 - (13) TOPSOIL FURNISH AND PLACE, 4"
 - (14) STRIP REFLECTIVE CRACK CONTROL TREATMENT

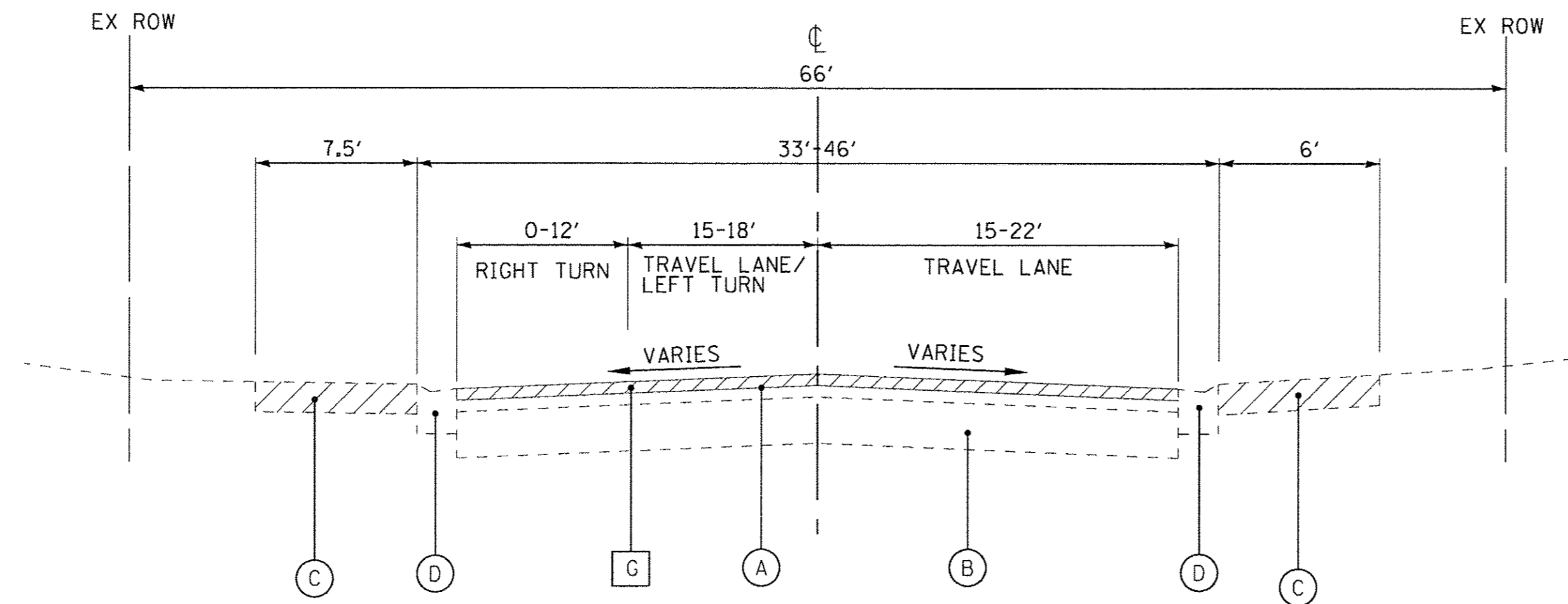
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 Consulting Engineers

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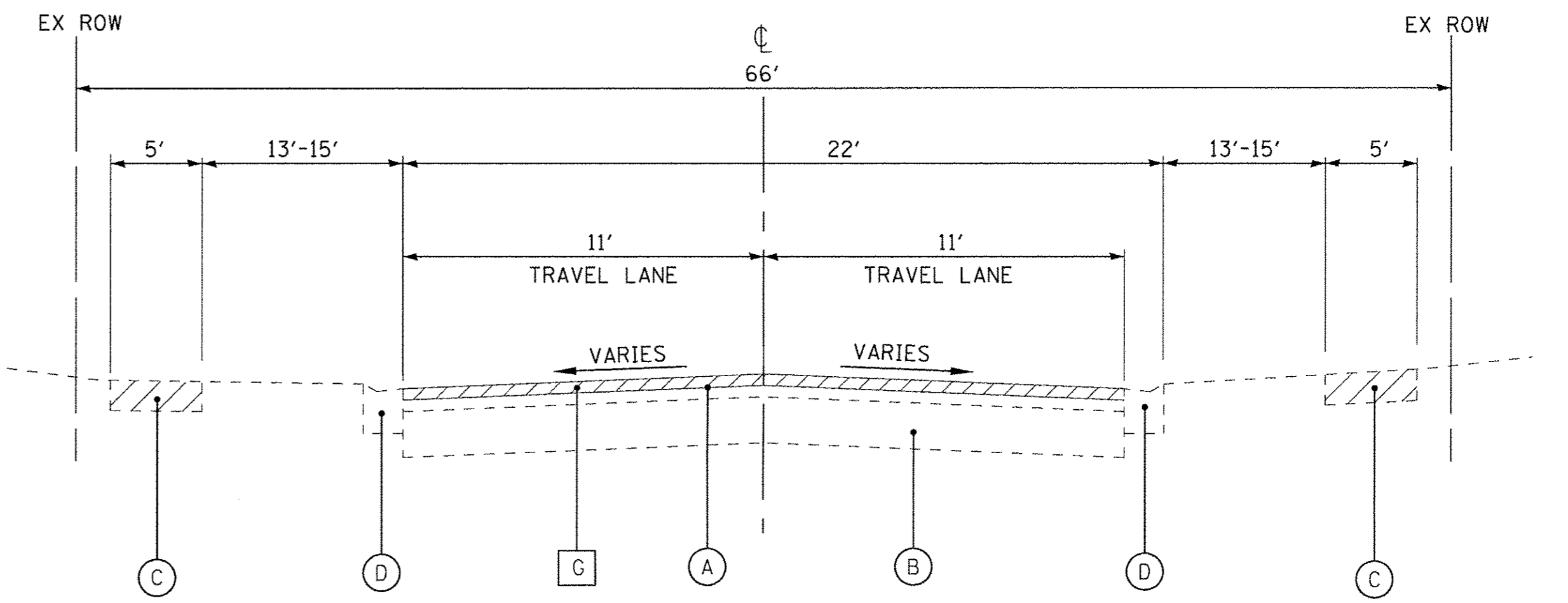
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE		1297	15-00192-00-RS	COOK	96	19
STA. TO STA.		CONTRACT NO. 61D32				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

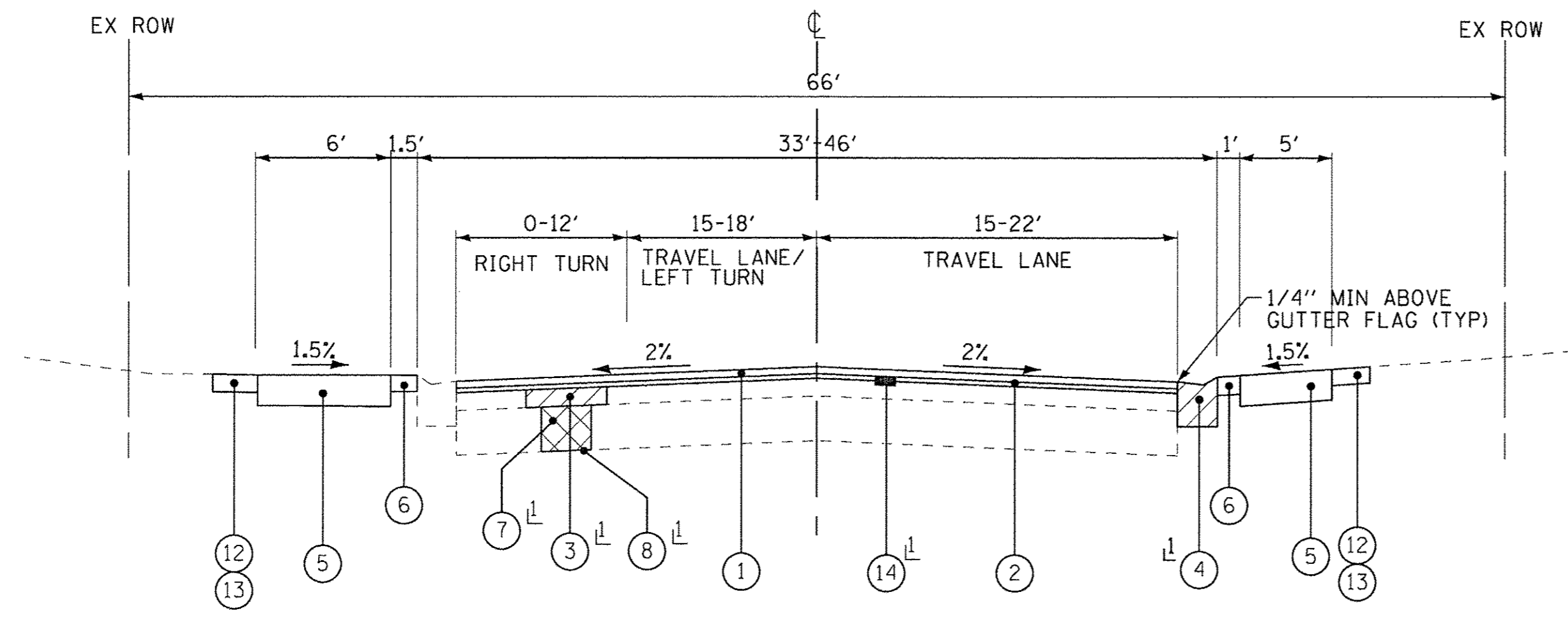
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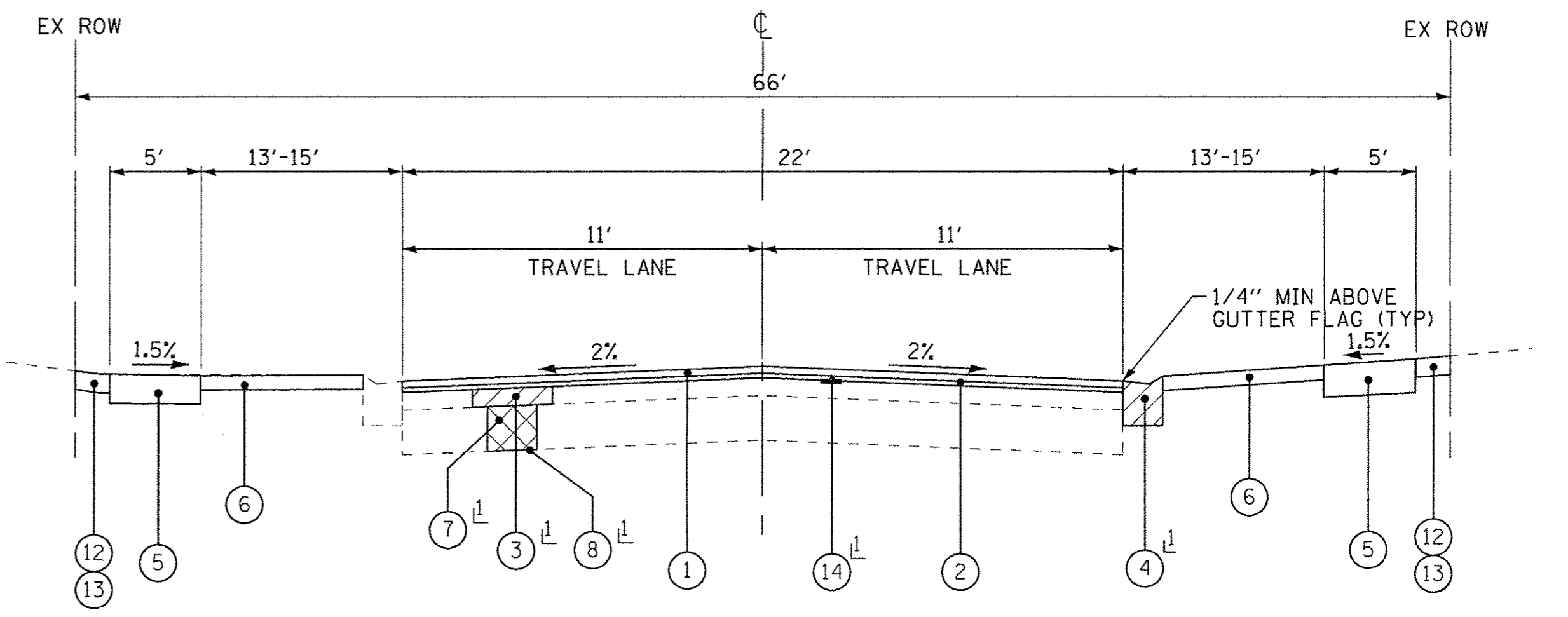
**EXISTING TYPICAL SECTION
PINE STREET**
STA 10+16.83 TO STA 12+62.19



**EXISTING TYPICAL SECTION
CHURCH STREET**
STA 20+26.80 TO STA 22+44.06



PROPOSED TYPICAL SECTION \perp AS DETERMINED BY THE ENGINEER
PINE STREET
STA 10+16.83 TO STA 12+62.19



PROPOSED TYPICAL SECTION \perp AS DETERMINED BY THE ENGINEER
CHURCH STREET
STA 20+26.80 TO STA 22+44.06

EXISTING LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT
- (B) AGGREGATE BASE COURSE
- (C) SIDEWALK
- (D) CONCRETE CURB AND GUTTER
- (E) STREETSCAPING/LANDSCAPING
- (F) PORTLAND CEMENT CONCRETE BASE
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- [Hatched Box] REMOVAL ITEM

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 3/4"
- (2) LEVELING BINDER (MACHINE METHOD), N70 - 3/4" & VARIES
- (3) CLASS D PATCHES, 10"
- (4) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
- (6) REPLACE EXISTING STREETSCAPING/LANDSCAPING (SEE DETAILS)
- (7) AGGREGATE SUBGRADE IMPROVEMENT
- (8) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (9) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (10) HOT-MIX ASPHALT BASE COURSE WIDENING, 10"
- (11) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (12) SODDING
- (13) TOPSOIL FURNISH AND PLACE, 4"
- (14) STRIP REFLECTIVE CRACK CONTROL TREATMENT

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	DRAWN - MAC	REVISED -
	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT_TypSec.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	20
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	

SCHEDULE OF QUANTITIES

LANDSCAPING SCHEDULE					
			20201200	21101615	25200100
			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	TOPSOIL FURNISH AND PLACE, 4"	SOODING
FROM	TO	SIDE	CU YD	SQ YD	SQ YD
11+82	12+09	RT	3	24	24
11+89	12+62	LT	6	52	52
12+33	12+52	RT	2	18	18
20+42	21+06	LT	9	78	78
20+49	22+44	RT	28	234	234
21+37	22+10	LT	11	91	91
102+75	102+99	RT	4	30	30
103+29	103+46	RT	5	40	40
103+46	104+13	LT	7	62	62
104+71	108+49	LT	12	101	101
108+96	110+16	RT	17	145	145
109+15	109+49	LT	7	57	57
109+62	110+09	LT	11	92	92
110+22	110+57	LT	9	73	73
110+94	112+04	LT	22	192	192
112+41	112+64	LT	3	27	27
112+81	112+96	CL	2	16	16
113+47	113+63	CL	2	16	16
113+90	114+45	RT	6	47	47
114+49	117+20	LT	9	79	79
114+69	115+10	RT	2	18	18
115+34	117+50	RT	4	30	30
115+47	117+22	CL	9	79	79
TOTALS			188	1,601	1,601

REMOVAL SCHEDULE				
		40600982	44000100	44000157
		HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2"
FROM	TO	SQ YD	SQ YD	SQ YD
10+18	12+62	27		1,228
20+27	22+44	12		558
102+34	104+39	14		947
104+39	108+82	13		2,057
108+82	112+62	40	33	2,127
113+81	117+42	64		2,466
TOTALS		170	33	9,383

DRIVEWAY SCHEDULE						
			44000200	42300400	X4022000	
			DRIVEWAY PAVEMENT REMOVAL	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	TEMPORARY ACCESS (COMMERCIAL ENTRANCE) EACH	
STATION	SIDE	TYPE	SQ YD	SQ YD		
10+53	RT	CE			1	
10+89	LT	CE			1	
11+11	RT	CE			1	
11+54	LT	CE			1	
21+21	LT	CE	45	48	1	
110+76	LT	CE	134	101	1	
112+22	LT	CE	107	73	1	
114+13	LT	CE	72	72	1	
114+57	RT	CE	28	35	1	
115+22	RT	CE	54	35	1	
TOTALS			440	364	10	

PAVEMENT SCHEDULE										
		RESURFACING AREA	WIDENING AREA	TOTAL AREA	35800716	40600290	40600400	40600635	40603340	X0327068
					HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	BITUMINOUS MATERIALS (TACK COAT)	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	LEVELING BINDER (MACHINE METHOD), N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	PAVEMENT COLOR AND TEXTURE (SPECIAL)
FROM	TO	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	TON	SQ YD
10+18	12+62	1,228		1,228		830	2	71	124	32
20+27	22+44	558		558		380	1	33	57	20
102+34	104+39	947		947		640	2	55	96	25
104+39	108+82	2,057		2,057		1,390	4	119	207	53
108+82	112+62	2,133	178	2,311	178	1,480	4	133	233	33
113+81	117+42	2,466		2,466		1,670	4	142	249	
TOTALS		9,389	178	9,567	178	6,390	17	553	966	163

NOTE: EXISTING TOPSOIL REMOVED BETWEEN STA 105+10 TO STA 106+30 SHALL BE RE-USED ON SITE FOR PARKWAY RESTORATION

SIDEWALK SCHEDULE									
			35101600	42400100	42400410	42400800	44000600	XX008257	XX006429
			AGGREGATE BASE COURSE, TYPE B 4"	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	DETECTABLE WARNINGS	SIDEWALK REMOVAL	STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SIDEWALK, SPECIAL
FROM	TO	SIDE	SQ YD	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	SQ FT
10+37	12+62	LT	164	920	410	1,610	140		
10+37	12+10	RT	110	590	300	990	100		
12+32	12+56	RT	19	165	10	180			
20+46	22+12	LT	154	745	155	800	485		
20+56	22+46	RT	180	995	10	950	625		
22+35	22+47	LT	7	60		70			
102+15	104+18	LT	230	1,470	10	1,690	450	150	
102+43	102+95	RT	70	330	10	515	185	115	
103+31	104+34	RT	104	600	10	865	250	80	
104+67	108+69	LT	828	3,610	30	7,790	1,325	2,515	
108+44	108+68	RT	38		20	335		335	
108+94	110+58	LT	283	1,475	300	2,305	525	245	
108+96	111+45	RT	402	1,390	40	3,855	345	1,875	
110+91	112+06	LT	155	720	300	1,135	375		
111+98	112+97	RT	332	1,125	10	2,990		1,860	
112+40	112+98	LT	59	245	10	825		285	
112+62	112+98	CL	34			235	300		
112+99	113+44	LT	43			465	380		
112+99	113+44	RT	43			475	380		
113+45	113+92	LT	44	275	10	480		120	
113+45	113+82	CL	33			175	290		
113+45	114+50	RT	127	665	165	1,155	310		
114+33	117+33	LT	414	2,460	10	4,265	1,125	135	
114+66	115+14	RT	64	250	165	525	160		
115+29	117+34	RT	249	1,795	10	2,355	440		
115+35	115+43	CL	4			36	36		
117+25	117+32	CL	4			32	32		
TOTALS			4,194	19,885	1,795	37,103	8,258	7,715	

CURB AND GUTTER SCHEDULE										
			35101600	44000300	44000500	60600605	60603800	Z0004562		
			AGGREGATE BASE COURSE, TYPE B 4"	CURB REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	CONCRETE CURB, TYPE B	COMBINATION CURB AND GUTTER, TYPE B 6.12	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT		
FROM	TO	SIDE	SQ YD	FOOT	FOOT	FOOT	FOOT	FOOT		
10+27	10+42	LT						16		
10+27	10+42	RT						16		
20+17	20+54	LT						52		
20+27	20+47	RT						36		
21+03	21+39	LT						34		
21+31	21+41	RT						10		
102+82	102+99	RT				21		25		
102+82	103+01	RT	2					22		
103+27	103+43	RT								
103+31	103+48	RT	2							
105+56	105+69	LT	2	30		30				
106+93	107+03	LT						10		
106+97	107+07	RT						10		
108+10	108+20	LT						10		
108+17	108+27	RT						10		
108+45	108+69	RT						41		
108+94	111+44	RT	51			285	290	17		
111+35	111+53	LT						20		
111+98	112+09	RT						11		
112+48	112+56	RT						7		
113+80	113+87	RT						10		
114+34	114+44	RT						10		
114+39	114+49	LT						10		
114+60	114+70	LT						10		
114+72	114+82	RT						10		
114+89	114+99	LT						10		
115+20	115+30	LT						10		
115+67	115+77	LT						10		
115+89	115+99	RT						10		
116+22	116+32	RT						10		
116+25	116+57	LT						31		
116+42	116+52	LT						10		
116+42	116+52	RT						10		
116+88	116+89	RT						10		
117+22	117+32	RT						19		
117+24	117+32	CL						200		
AS DIRECTED BY THE ENGINEER								200		
TOTALS			57	30	285	70	285	727		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	21
CONTRACT NO. 61D32				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

PAVEMENT MARKING SCHEDULE					78006100	78000200	78000400	78000600	78000650
FROM	TO	SIDE	TYPE		PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
					SQ FT	FOOT	FOOT	FOOT	FOOT
10+42		LT	STOP LINE						20
10+42	11+42	LT	TURN LANE				100		
10+42	11+42	RT	DOUBLE YELLOW			200			
10+95		LT	ONLY x2	54					
102+21	102+43	LT	RR HATCH				180	24	
102+31	104+07	LT	DOUBLE YELLOW			352			
102+37	103+07	RT	EDGE LINE			42			
102+43		LT	STOP LINE						21
102+43	103+27	LT	CENTER LINE			85			
102+60	103+07	RT	SKIP DASH				12		
102+76		LT	RR LINE						21
102+93	103+34	RT	X WALK				74		
103+02		LT	RR SYMBOL	122					
103+07	104+07	RT	TURN LANE				100		
103+16		CL	ONLY	37					
103+26		LT	RR LINE						21
103+28	103+79	LT	SKIP DASH				13		
104+19	104+66	LT	X WALK				95		
104+76	106+11	LT	TURN LANE				135		
104+76	108+46	CL	DOUBLE YELLOW			740			
105+23	108+35	LT	PARKING LINES			135			
105+69		CL	ONLY	37					
106+11	107+10	LT	SKIP DASH				25		
106+11	107+10	RT	SKIP DASH				25		
107+19		CL	ONLY	37					
108+46		RT	STOP LINE						24
108+51		CL	X WALK				35		
108+58		CL	X WALK				39		
108+61	109+00	RT	X WALK				71		
108+69	109+02	LT	X WALK				61		
108+70	108+81	LT	STOP LINE						11
108+81	108+95	RT	STOP LINE						14
109+06		CL	X WALK				50		
109+12		CL	X WALK				46		
109+17		LT	STOP LINE						33
109+17	109+67	LT	TURN LANE				50		
109+17	110+32	LT	TURN LANE				115		
109+17	111+32	RT	DOUBLE YELLOW			650			
109+25		LT	ONLY	37					
109+25	111+36	RT	PARKING LINES			72			
109+67	110+42	LT	SKIP DASH				19		
109+91		CL	ONLY	37					
110+20	114+53	LT	EDGE LINE			435			
110+33	111+32	LT	SKIP DASH				25		
110+33	111+32		DIAGONALS					60	
111+36	112+63	LT	DUEL LEFT			164			
111+36	112+63	RT	DUEL LEFT			164			
111+45	112+03	RT	X WALK				112		
111+73	111+97	RT	STOP LINE						24
111+93		CL	ARROWS	32					
112+41	112+63	RT	EDGE LINE			35			
112+53	113+81	LT	PARKING LINES			300			
113+81	114+36	LT	DUEL LEFT			70			
113+81	114+36	RT	DUEL LEFT			70			
113+81	117+31	RT	SKIP DASH			88			
113+81	114+27	RT	EDGE LINE			63			
114+36	115+35	CL	DOUBLE YELLOW			450			
114+36	115+35	CL	DIAGONALS					117	
114+36	115+35	RT	SKIP DASH				25		
114+55	116+97	LT	PARKING LINES			100			
115+35	117+37	LT	CENTER LINE			410			
115+35	117+31	RT	TURN LANE				197		
115+47		RT	ONLY	37					
115+43	116+70	RT	PARKING LINES			45			
117+31		RT	STOP LINE						33
TOTALS					430	4,670	1,604	201	222

SIGNAGE SCHEDULE										
STA	SIDE	TYPE	INCH	INCH	72000100 SIGN PANEL - TYPE 1 SQ FT	72400100 REMOVE SIGN PANEL ASSEMBLY TYPE A EACH	72400500 RELOCATE SIGN PANEL ASSEMBLY TYPE A SQ FT	72800100 TELESCOPING STEEL SIGN SUPPORT FOOT		
28+75	LT	20 MPH - R2-1	24	30	5	1				15
29+35	RT	STOP SIGN - R1-1	30	30	7	1				15
102+79	LT	DON'T STOP ON TRACKS					1			
102+79	RT	KEEP RIGHT AT MEDIAN R4-7	24	30	5	1				15
102+81	RT	DON'T STOP ON TRACKS - R8-8	24	30	5	1				15
102+81	RT	25 MPH - R2-1	24	30	5	1				15
103+97	LT	RR XING/RR FINES/25 MPH					1			
104+08	LT	NO TRAIN HORN					1			
104+09	LT	STREET SIGN					1			
104+12	RT	PARKING REGS					1			
105+39	LT	2 HR PARK					1			
108+41	LT	25 MPH					1			
108+47	RT	PACE BUS STOP					1			
110+10	RT	25 MPH					1			
111+39	RT	STREET SIGN					1			
112+01	RT	STOP SIGN					1			
112+13	RT	25 MPH					1			
112+36	RT	MEMORIAL TREE PLAQUE					1			
112+79	LT	PACE BUS STOP					1			
114+68	LT	2 HR PARK					1			
116+01	RT	2 HR PARK					1			
116+48	LT	2 HR PARK					1			
117+36	LT	NO RIGHT ON RED/25 MPH					1			
TOTALS					27	5	18			75

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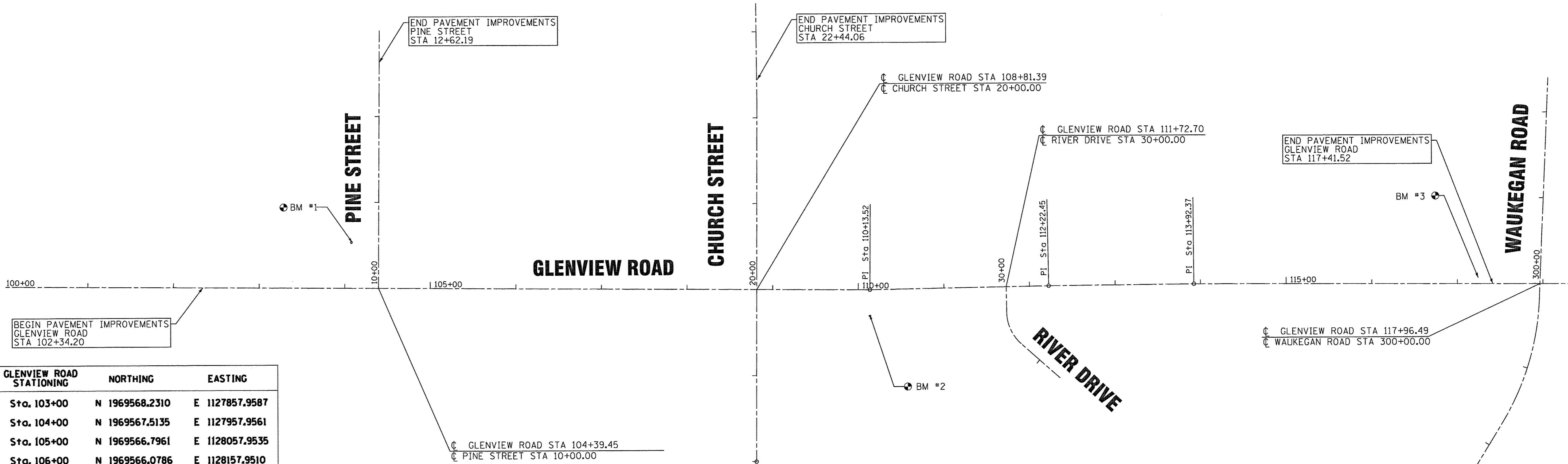
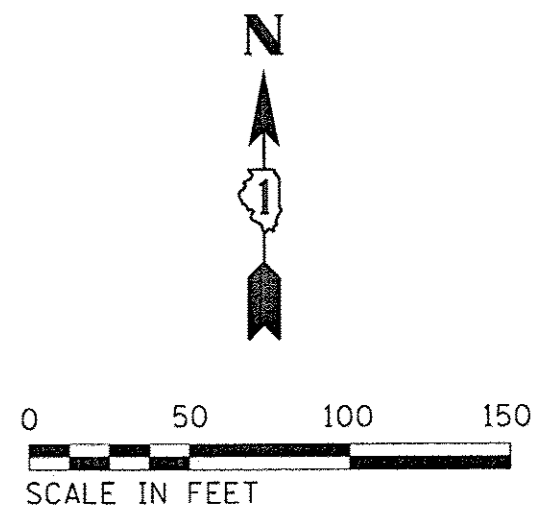
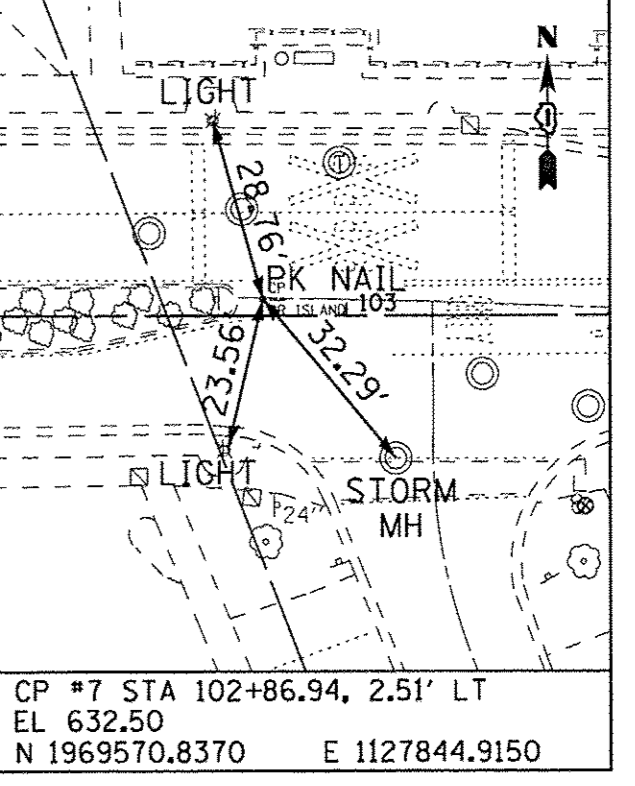
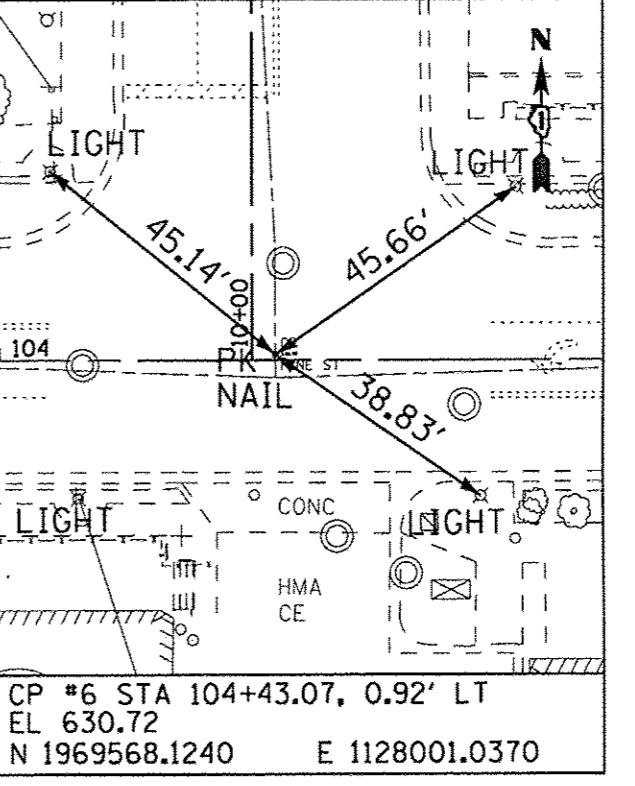
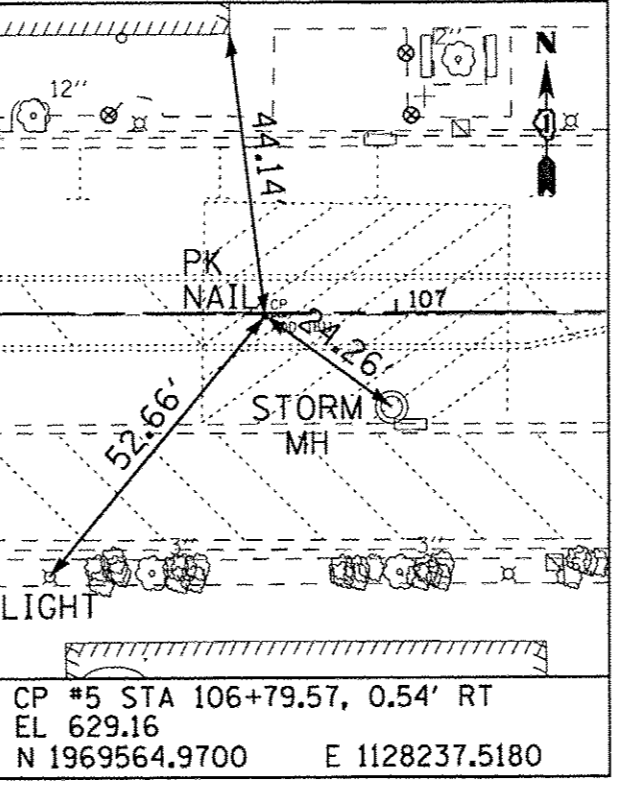
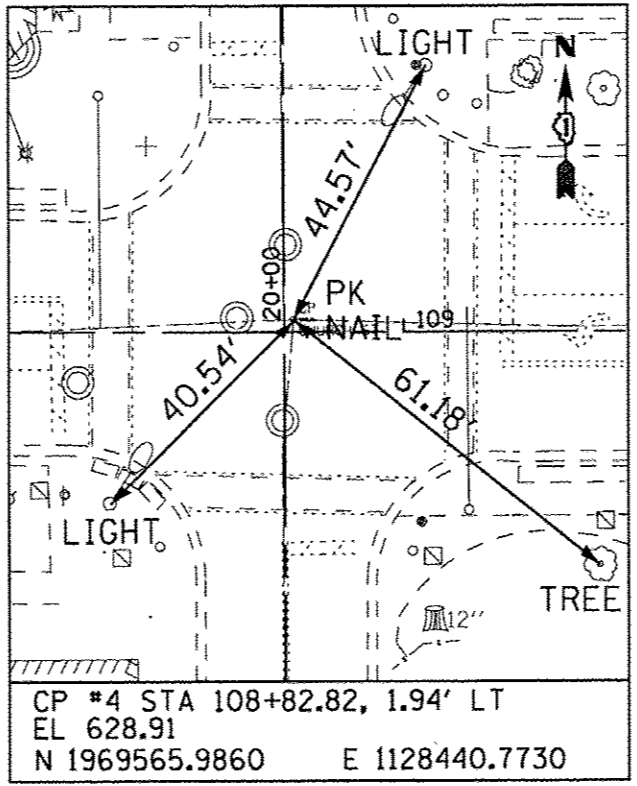
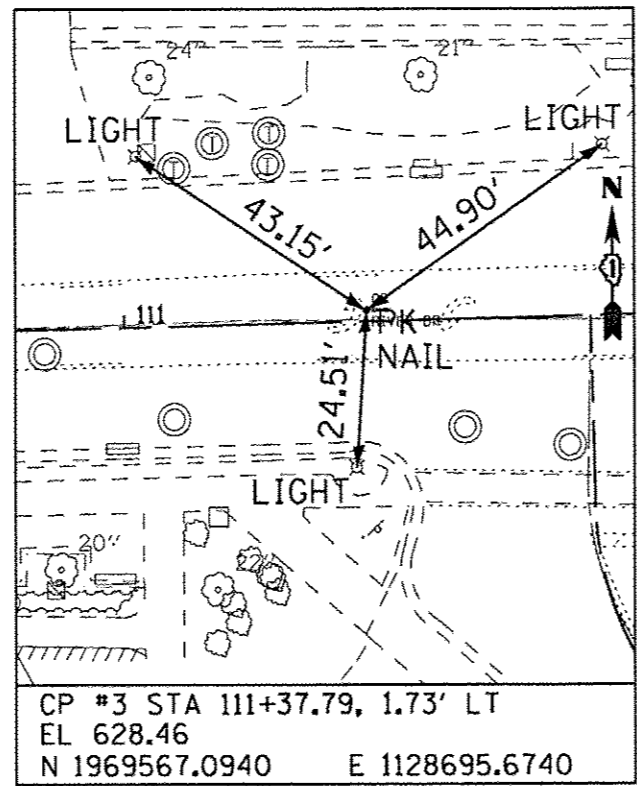
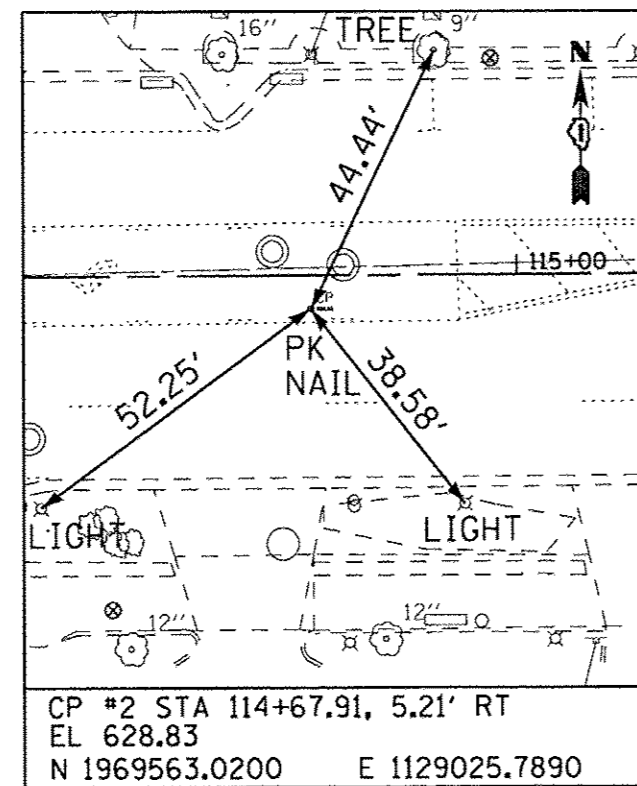
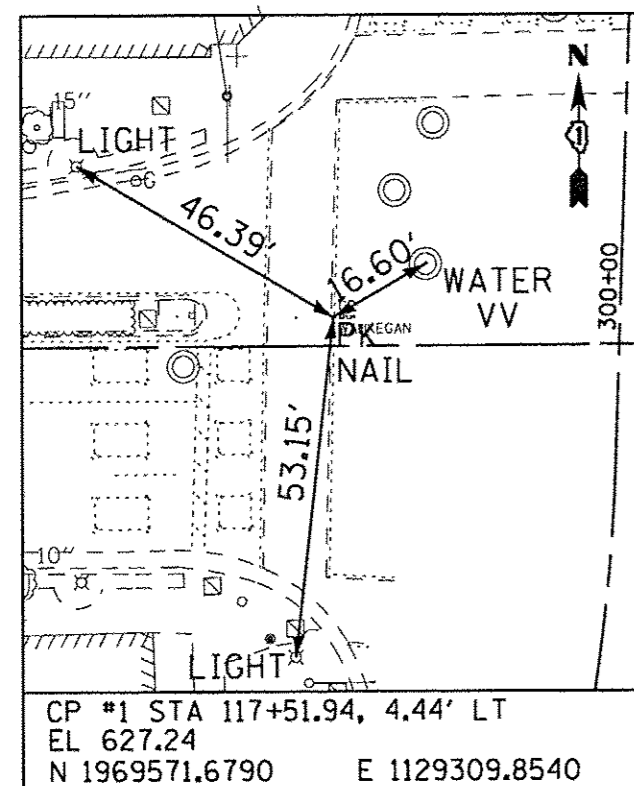
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DATE - 12/05/2016	FILE - 150009-28SHT_Schedules.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	22
CONTRACT NO. 61D32				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



GLENVIEW ROAD STATIONING	NORTHING	EASTING
Sta. 103+00	N 1969568.2310	E 1127857.9587
Sta. 104+00	N 1969567.5135	E 1127957.9561
Sta. 105+00	N 1969566.7961	E 1128057.9535
Sta. 106+00	N 1969566.0786	E 1128157.9510
Sta. 107+00	N 1969565.3612	E 1128257.9484
Sta. 108+00	N 1969564.6437	E 1128357.9458
Sta. 109+00	N 1969563.9262	E 1128457.9432
Sta. 110+00	N 1969563.2088	E 1128557.9407
Sta. 110+13.52	N 1969563.1118	E 1128571.4584
Sta. 111+00	N 1969564.6786	E 1128657.9261
Sta. 112+00	N 1969566.4902	E 1128757.9097
Sta. 112+22.45	N 1969566.8970	E 1128780.3608
Sta. 113+00	N 1969567.6264	E 1128857.9026
Sta. 113+92.37	N 1969568.4953	E 1128950.2682
Sta. 114+00	N 1969568.4685	E 1128957.8985
Sta. 115+00	N 1969568.1178	E 1129057.8978
Sta. 116+00	N 1969567.7670	E 1129157.8972
Sta. 117+00	N 1969567.4163	E 1129257.8966
Sta. 118+00	N 1969567.0655	E 1129357.8960

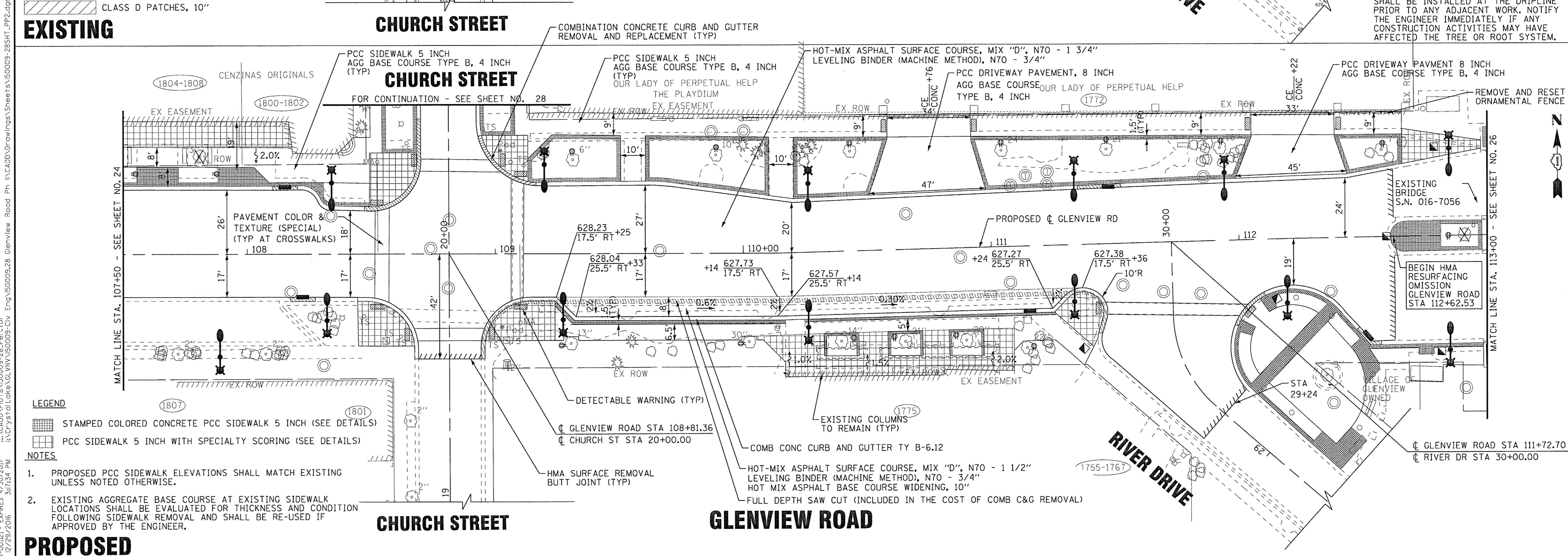
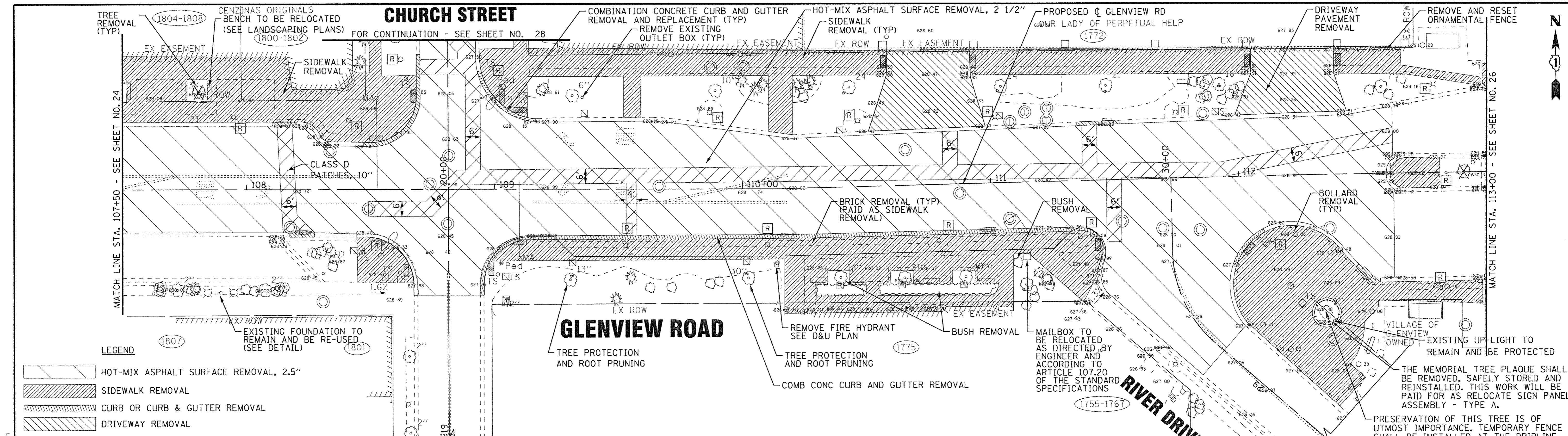
NOTE:
CONTRACTOR SHALL VERIFY ALL CONTROL AND BENCHMARKS AND SHALL ESTABLISH ADDITIONAL CONTROL AND BENCHMARKS PRIOR TO REMOVAL AND DEMOLITION ACTIVITIES.

BENCHMARKS

- #1 NORTH NORTHWEST ARROW BOLT ON BONNET OF FIRE HYDRANT AT THE NORTHWEST CORNER OF GLENVIEW ROAD AND PINE STREET
ELEV = 632.69
- #2 WEST ARROW BONNET BOLT ON FIRE HYDRANT 100' WEST OF RIVER ROAD ON THE SOUTH SIDE OF GLENVIEW ROAD
ELEV = 630.60
- #3 CHISELED SQUARE ON THE NORTHEAST CORNER OF HANDHOLE ON THE ISLAND JUST WEST OF INTERSECTION OF WAUKEGAN ROAD AND GLENVIEW ROAD
ELEV = 628.30

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 2/23/2016
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JFM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES & BENCHMARKS		F.A.U. RTE. 1297	SECTION 15-00192-00-RS	COUNTY COOK	TOTAL SHEETS 96	SHEET NO. 23
	DRAWN - MAC	REVISED -		SCALE: 1"=60'		STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	
CHECKED - JCC	REVISED -									
DATE - 12/05/2016	FILE - 150009-28SHT_Algm&Ties.dgn									



- LEGEND**
- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
 - SIDEWALK REMOVAL
 - CURB OR CURB & GUTTER REMOVAL
 - DRIVEWAY REMOVAL
 - CLASS D PATCHES, 10"

- LEGEND**
- STAMPED COLORED CONCRETE PCC SIDEWALK 5 INCH (SEE DETAILS)
 - PCC SIDEWALK 5 INCH WITH SPECIALTY SCORING (SEE DETAILS)

- NOTES**
1. PROPOSED PCC SIDEWALK ELEVATIONS SHALL MATCH EXISTING UNLESS NOTED OTHERWISE.
 2. EXISTING AGGREGATE BASE COURSE AT EXISTING SIDEWALK LOCATIONS SHALL BE EVALUATED FOR THICKNESS AND CONDITION FOLLOWING SIDEWALK REMOVAL AND SHALL BE RE-USED IF APPROVED BY THE ENGINEER.

BAXTER & WOODMAN CONSULTING ENGINEERS	DESIGNED - JFM	REVISED -
	DRAWN - MAC	REVISED -
	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT_PP2.dgn

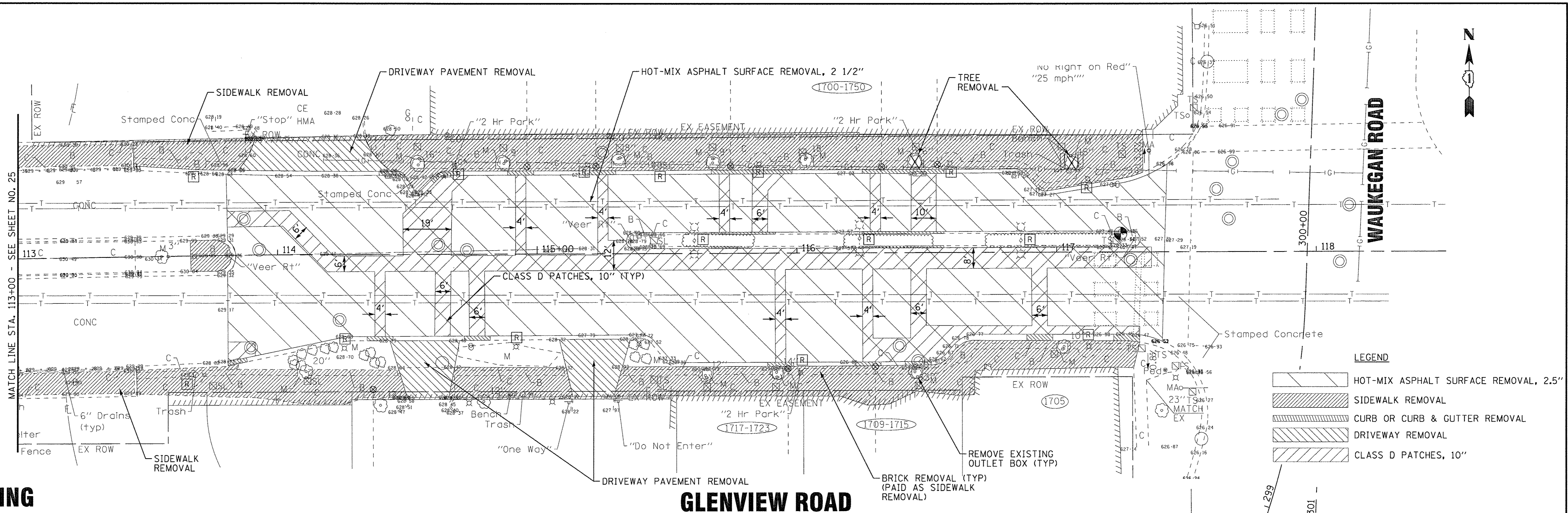
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLAN
GLENVIEW ROAD

SCALE: STA. 107+50 TO STA. 113+00

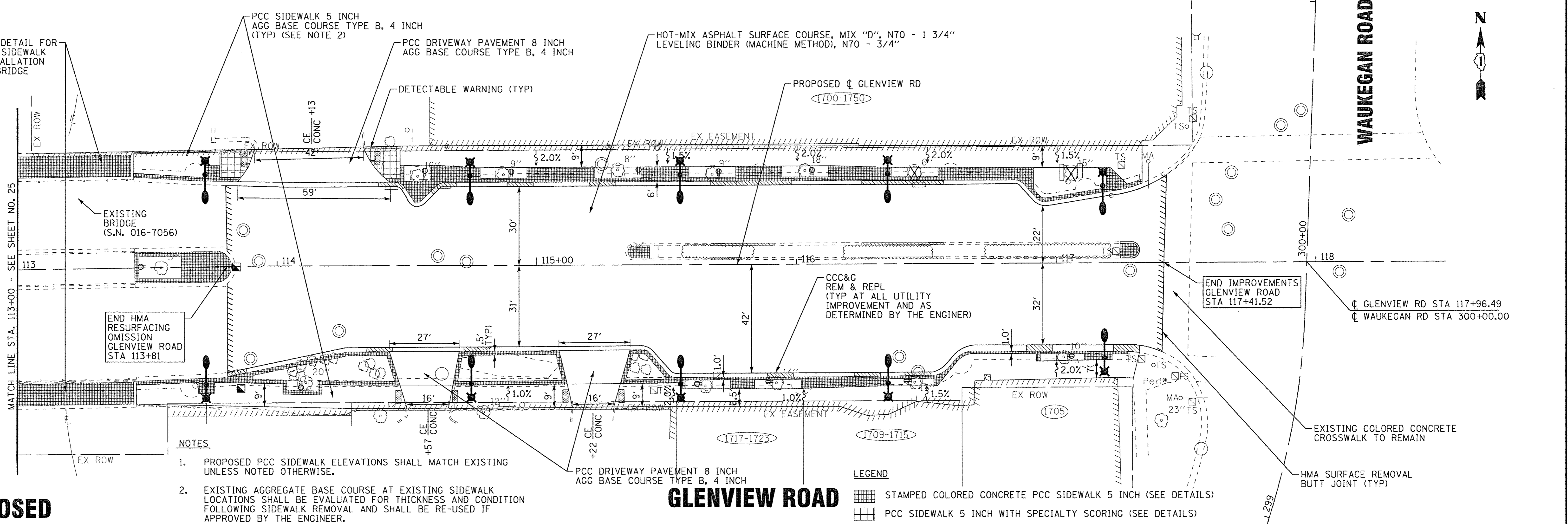
F.A.U. RTE. 1297	SECTION 15-00192-00-RS	COUNTY COOK	TOTAL SHEETS 96	SHEET NO. 25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	

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 PROJECT NO. - 150009-28SHT_PP2.dgn
 DATE - 12/05/2016



EXISTING

GLENVIEW ROAD



PROPOSED

GLENVIEW ROAD

- NOTES**
1. PROPOSED PCC SIDEWALK ELEVATIONS SHALL MATCH EXISTING UNLESS NOTED OTHERWISE.
 2. EXISTING AGGREGATE BASE COURSE AT EXISTING SIDEWALK LOCATIONS SHALL BE EVALUATED FOR THICKNESS AND CONDITION FOLLOWING SIDEWALK REMOVAL AND SHALL BE RE-USED IF APPROVED BY THE ENGINEER.

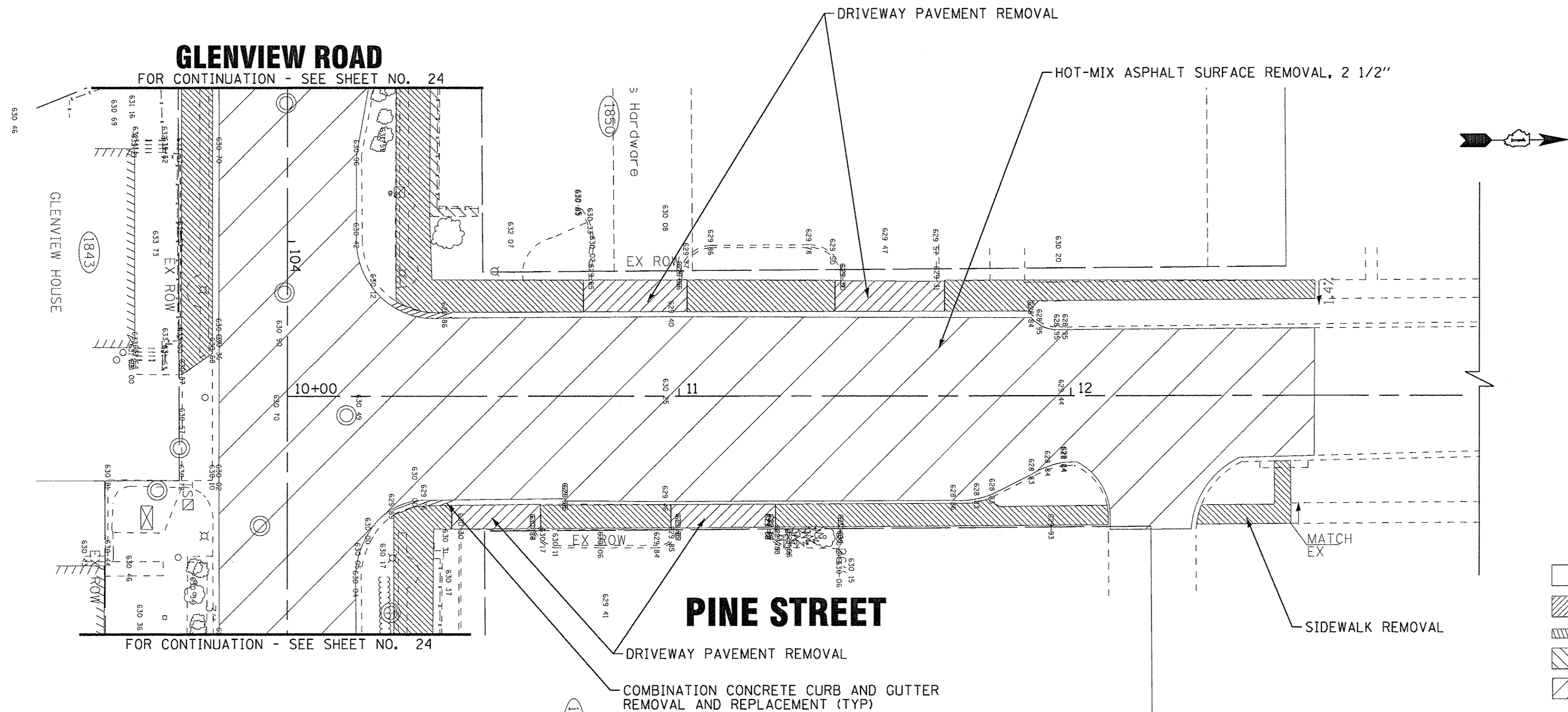
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	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT_PP3.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLAN GLENVIEW ROAD	
SCALE:	STA. 113+00 TO STA. 118+00

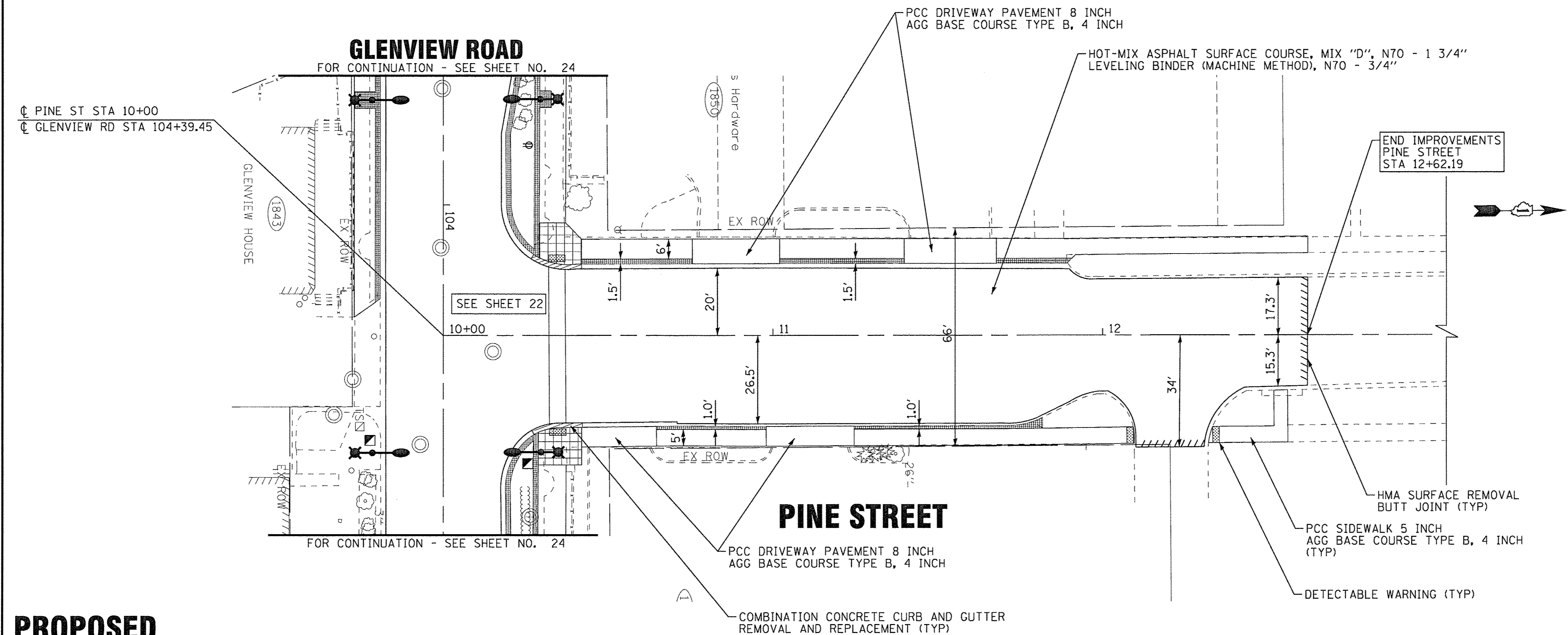
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	26
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D32	

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- LEGEND**
- HOT-MIX ASPHALT SURFACE REMOVAL, 2.5"
 - SIDEWALK REMOVAL
 - CURB OR CURB & GUTTER REMOVAL
 - DRIVEWAY REMOVAL
 - CLASS D PATCHES, 10"

EXISTING



- NOTES**
1. PROPOSED PCC SIDEWALK ELEVATIONS SHALL MATCH EXISTING UNLESS NOTED OTHERWISE.
 2. EXISTING AGGREGATE BASE COURSE AT EXISTING SIDEWALK LOCATIONS SHALL BE EVALUATED FOR THICKNESS AND CONDITION FOLLOWING SIDEWALK REMOVAL AND SHALL BE RE-USED IF APPROVED BY THE ENGINEER.

- LEGEND**
- STAMPED COLORED CONCRETE PCC SIDEWALK 5 INCH (SEE DETAILS)
 - PCC SIDEWALK 5 INCH WITH SPECIALTY SCORING (SEE DETAILS)

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 12/29/2016

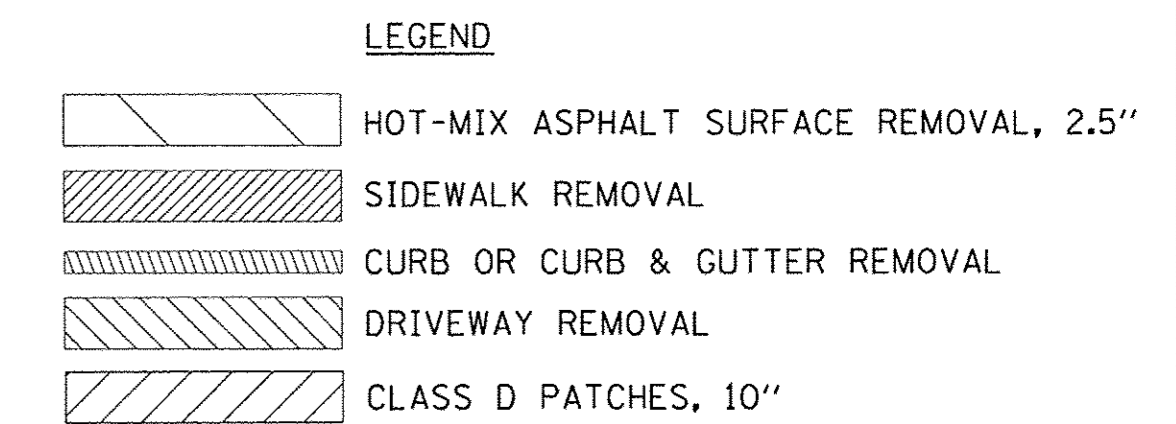
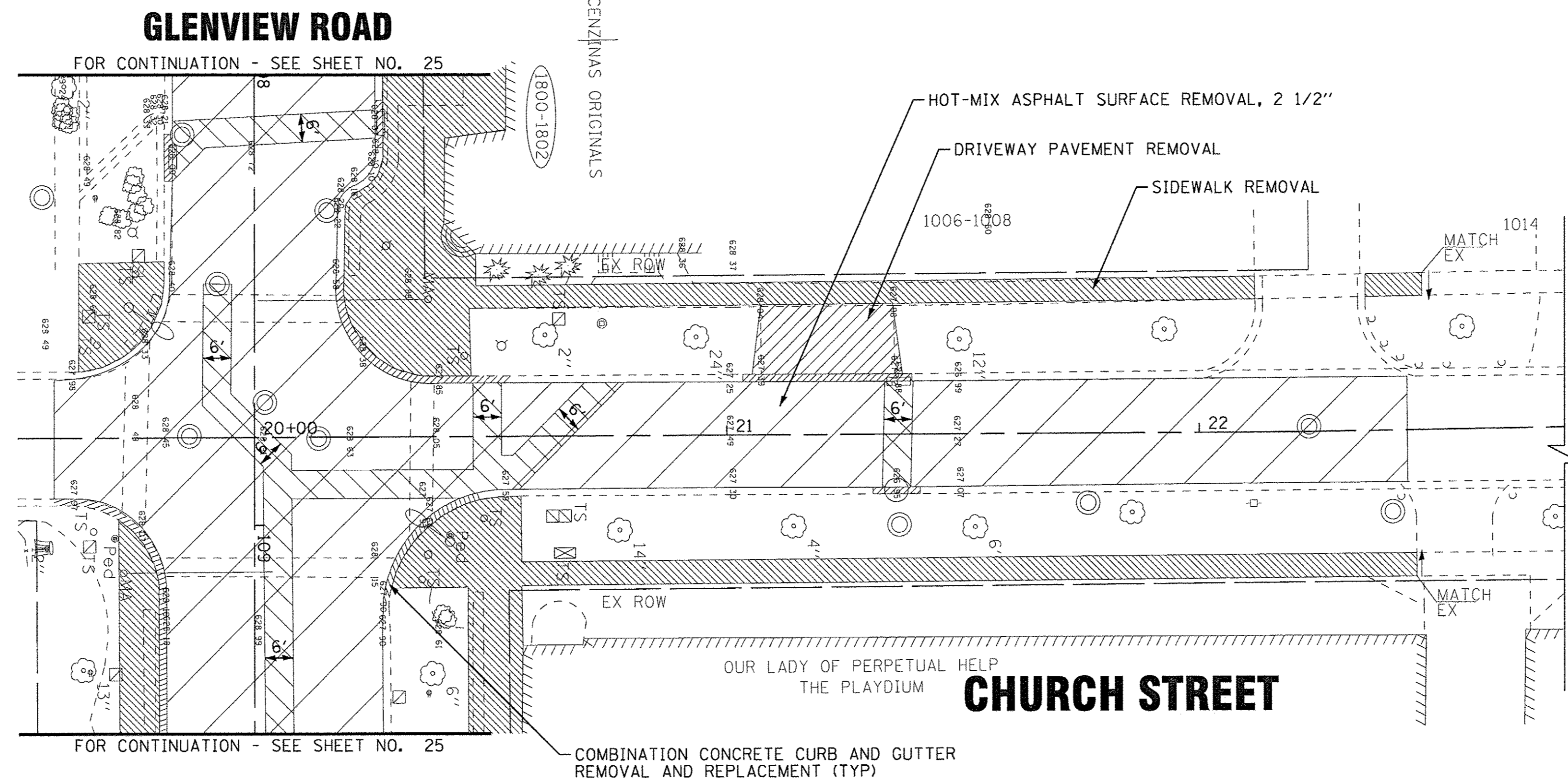
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	DATE - 12/05/2016	FILE - 150009-28SHT_PP4.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

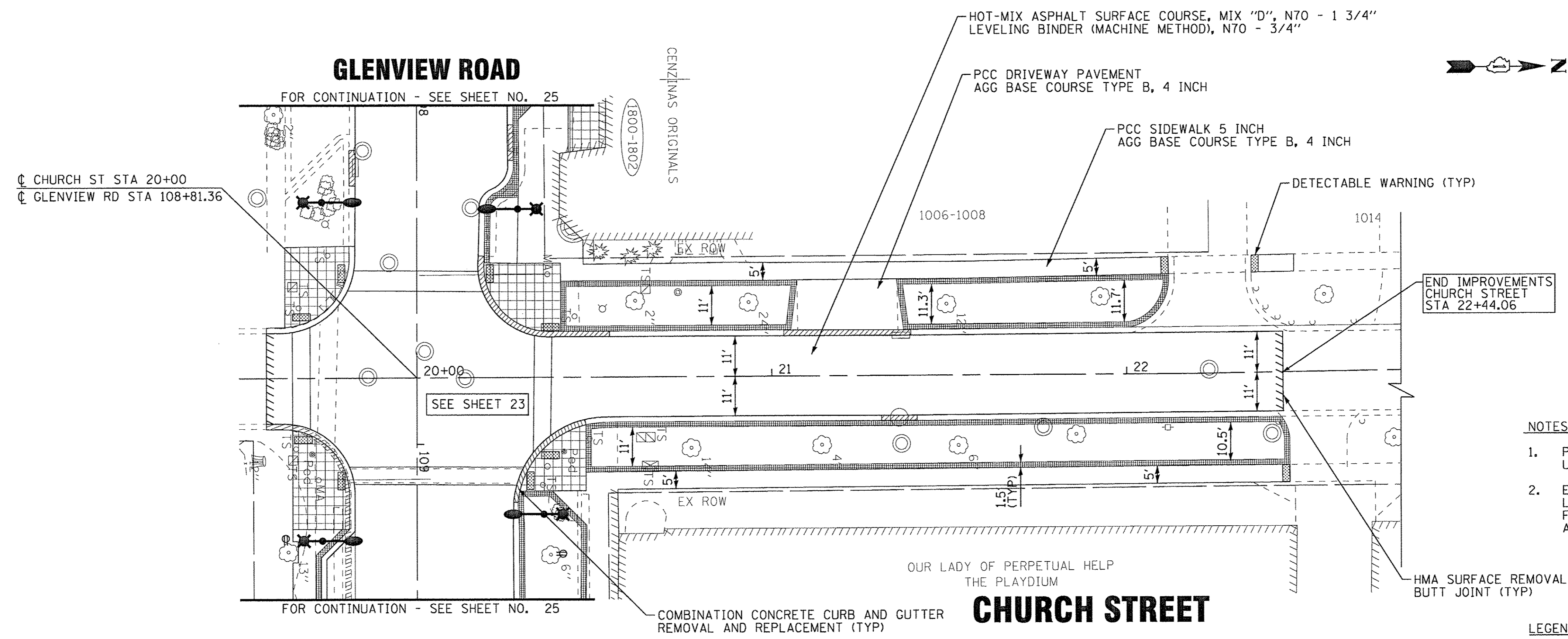
**EXISTING AND PROPOSED ROADWAY PLAN
PINE STREET**

SCALE: STA. 10+00 TO STA. 12+62.19

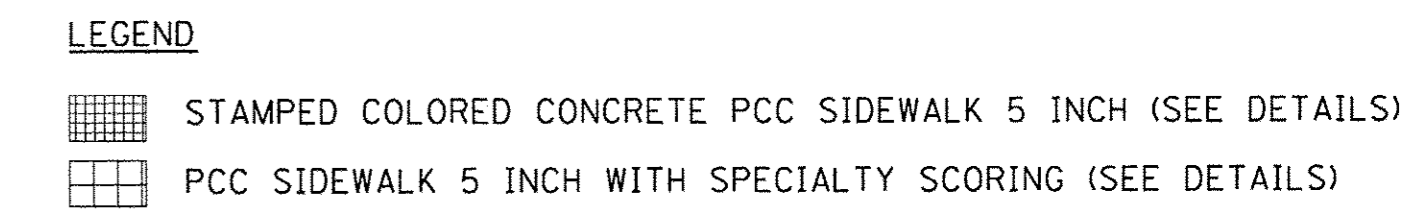
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	



EXISTING



- NOTES**
1. PROPOSED PCC SIDEWALK ELEVATIONS SHALL MATCH EXISTING UNLESS NOTED OTHERWISE.
 2. EXISTING AGGREGATE BASE COURSE AT EXISTING SIDEWALK LOCATIONS SHALL BE EVALUATED FOR THICKNESS AND CONDITION FOLLOWING SIDEWALK REMOVAL AND SHALL BE RE-USED IF APPROVED BY THE ENGINEER.



PROPOSED

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CHECKED - JCC	REVISED -
DATE - 12/05/2016	FILE - 150009-28SHT_PP5.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED ROADWAY PLAN
CHURCH STREET**

SCALE: STA. 20+00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	

MAINTENANCE OF TRAFFIC NOTES

- EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. ANY CHANGE IN TRAFFIC CONTROL SHALL HAVE PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) DAYS NOTICE IN ADVANCE OF CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS HEREBY ADVISED OF THE FOLLOWING PROJECT THAT MAY BE UNDER CONSTRUCTION DURING THE SAME TIME AS THIS CONTRACT: VILLAGE OF GLENVIEW, HARLEM AVENUE, CONTRACT NUMBER 61D17, NOVEMBER 4, 2016 LETTING DATE. THE CONTRACTOR WILL BE REQUIRED TO COOPERATE WITH THIS ADJACENT CONTRACT IN ACCORDANCE WITH SECTION 105.08 OF THE STANDARD SPECIFICATIONS AND MAY BE REQUIRED TO MODIFY STAGING OPERATIONS IN ORDER TO MEET THESE REQUIREMENTS. CONTRACTOR COOPERATION SHALL INCLUDE, BUT NOT BE LIMITED TO, MAINTENANCE OF TRAFFIC, TRAFFIC SIGNAL MAINTENANCE AND LIGHTING SYSTEM MAINTENANCE.
- EXCEPT DURING THE DETOUR, TRAFFIC SHALL BE MAINTAINED ACCORDING TO THE APPLICABLE HIGHWAY STANDARDS AND ALL LANES ON ALL STREETS SHALL BE OPEN TO 2 WAY TRAFFIC AT THE END OF EACH DAY, MAINTAINING THE EXISTING LANE AND ROADWAY WIDTHS. DURING THE DETOUR, ALL LANES ON ALL STREETS SHALL BE OPEN TO 2 WAY TRAFFIC AT THE END OF EACH DAY, MAINTAINING THE EXISTING LANE AND ROADWAY WIDTHS EXCEPT AS NOTED FOR CONDITION I IN THE MAINTENANCE OF TRAFFIC PLANS.
- THE DETOUR SHALL BE IMPLEMENTED DURING WATER MAIN INSTALLATION. DURING THE DETOUR, LOCAL TRAFFIC SHALL BE MAINTAINED USING THE EXISTING LANE CONFIGURATIONS AND TRAFFIC CONTROL DEVICES EXCEPT AS NOTED IN THE MAINTENANCE OF TRAFFIC PLANS. DURING WATER MAIN INSTALLATION WITHIN THE STAGE 1 - CONDITION I WORK ZONE, MAINTENANCE OF TRAFFIC PLANS FOR CONDITION I AND APPLICABLE HIGHWAY STANDARDS SHALL BE FOLLOWED. DURING WATER MAIN INSTALLATION OUTSIDE THE STAGE 1 - CONDITION I WORK ZONE AND FULL CLOSURE AREA, MAINTENANCE OF TRAFFIC PLANS FOR CONDITION II AND APPLICABLE HIGHWAY STANDARDS SHALL BE FOLLOWED.
- WORK ZONE LOCATIONS SHALL BE LIMITED TO ONLY THE AREA OF ANTICIPATED WORK FOR EACH DAY. WORK ZONE LIMITS FOR EACH DAY SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER. ADDITIONAL TRAFFIC CONTROL DEVICES OR RECONFIGURATION OF DEVICES NECESSARY TO MAINTAIN LOCAL TRAFFIC SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER.
- ALL FLAGGERS REQUIRED FOR MAINTENANCE OF TRAFFIC, INCLUDING ANY FLAGGERS NEEDED TO MAINTAIN TRAFFIC FOR SIDE STREETS AND COMMERCIAL DRIVEWAYS, SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- DAILY LANE CLOSURES SHALL BE APPROVED BY THE VILLAGE AND SHALL BE LIMITED TO ONE SIDE OF THE STREET AND ONE BLOCK AT A TIME.
- AGGREGATE SURFACE WILL NOT BE ALLOWED FOR MAINTAINING MAINLINE TRAFFIC. PATCHING OPERATIONS SHOULD BE STAGED SO THAT PATCHING CAN BE COMPLETED ON THE SAME DAY AS PAVEMENT REMOVAL EXCEPT AS NOTED FOR STAGE 1 CONSTRUCTION.
- PARKING RESTRICTIONS AND/OR PARKING CLOSURES SHALL BE RESTRICTED TO ONE SIDE OF THE STREET AT A TIME. ALL PARKING CLOSURES SHALL BE COORDINATED WITH ADJACENT BUSINESS OWNERS A MINIMUM OF THREE (3) DAYS IN ADVANCE AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO DRIVEWAYS DURING CONSTRUCTION. THIS WORK SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION FOR AGGREGATE FOR TEMPORARY ACCESS.
- ALL COMMERCIAL PROPERTIES AND PARKING LOTS SHALL BE PROVIDED AT LEAST ONE INGRESS AND ONE EGRESS AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE DRIVEWAY CLOSURES/MODIFICATIONS WITH THE LOCAL BUSINESSES AND THE ENGINEER. COMMERCIAL DRIVEWAYS WHICH CANNOT BE CLOSED, AS DETERMINED BY THE ENGINEER, SHALL BE CONSTRUCTED IN STAGES OR WILL BE CONSTRUCTED WHEN BUSINESSES ARE NOT OPEN USING HIGH EARLY STRENGTH CONCRETE. IF NECESSARY, THE CONTRACTOR SHALL MAINTAIN ACCESS TO COMMERCIAL DRIVEWAYS BY USE OF FLAGGERS DURING CONSTRUCTION WORK HOURS AS DETERMINED BY THE ENGINEER.
- RESIDENTS AND BUSINESSES SHALL HAVE ACCESS TO THEIR DRIVEWAYS AT THE END OF EACH DAY, EXCEPT DURING ADJACENT CURB AND GUTTER CONSTRUCTION OR CONCRETE DRIVEWAY REPLACEMENT.
- CONSTRUCTION VEHICLES AND/OR EQUIPMENT SHALL NOT BE PARKED OVERNIGHT WITHIN VILLAGE RIGHT-OF-WAY IN FRONT OF COMMERCIAL BUSINESS PROPERTIES. THE ENGINEER WILL ASSIST THE CONTRACTOR IN IDENTIFYING CONSTRUCTION STAGING LOCATIONS AT THE START OF CONSTRUCTION.
- ALL TYPE I OR II BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE EQUIPPED WITH STEADY BURN MONO-DIRECTIONAL LIGHTS. SPACING SHALL BE AT 50 FOOT INTERVALS ALONG WORK AREAS AND 25 FEET WHERE DIRECTION CHANGES AND TAPERS OCCUR, OR AS DIRECTED BY THE ENGINEER.
- LEFT TURN LANES ON SOUTHBOUND HARLEM AVE AND NORTHBOUND WAUKEGAN ROAD SHALL BE CLOSED ACCORDING TO HIGHWAY STANDARD 701701

PEDESTRIAN ACCESS NOTES

- THE CONTRACTOR SHALL SAW CUT THE EXISTING SIDEWALK, TO MAINTAIN A MINIMUM 5-FOOT WIDE PEDESTRIAN WALKWAY THROUGHOUT THE ENTIRE PROJECT LIMITS. (WIDEN TO 7 FOOT WIDE AT DOORWAY ENTRANCES). UTILIZE THE EXISTING PCC SIDEWALK. THE PEDESTRIAN WALKWAY SHALL MEET ALL ADA REQUIREMENTS.
- THE PEDESTRIAN WALKWAY SHALL BE ACCESSIBLE AT ALL ROADWAY INTERSECTION ADA RAMPS AND ROADWAY CROSSWALKS, AND PROVIDE ACCESS TO ALL BUSINESS ENTRANCES.
- THE CONTRACTOR SHALL INSTALL A TEMPORARY 5 FOOT WIDE GRAVEL WALKWAY BETWEEN THE EXISTING PARKING STALLS TO CONNECT TO THE PEDESTRIAN WALKWAY AT EXISTING BUILDING ENTRANCES AS REQUIRED BY THE ENGINEER. A MINIMUM OF THREE MID-BLOCK ACCESS WALKS SHALL BE OPEN WITHIN EACH WORK ZONE AT ALL TIMES. THE LOCATION OF THE MID-BLOCK ACCESS WALKWAYS SHALL BE RELOCATED AS WORK WITHIN THE CONSTRUCTION ZONE REQUIRES.
- AT LEAST ONE ADA ACCESSIBLE ENTRANCE TO BUSINESSES SHALL BE MAINTAINED DURING POSTED BUSINESS HOURS.
- PCC SIDEWALK INSTALLATION SHALL BE DONE IN A MANNER TO MINIMIZE THE NUMBER OF CONCRETE POURS AND CONSTRUCTION JOINTS. SHOULD THE NEED ARISE, THE USE OF HIGH EARLY STRENGTH CONCRETE SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION ADJACENT TO BUSINESSES WITH MULTIPLE ENTRANCES MAY BE STAGED, IF APPROVED BY THE ENGINEER, SO THAT ONE ENTRANCE REMAINS OPEN AT ALL TIMES. STAGED CONSTRUCTION OF ENTRANCES SHALL BE COORDINATED WITH BUSINESS OWNERS AND APPROVED BY THE ENGINEER. BUSINESSES SHALL BE NOTIFIED OF ANY DISRUPTION AND PLANNED WORK ADJACENT TO BUSINESS ENTRANCES AT LEAST 72 HOURS PRIOR TO WORK AND THE PROPOSED WORK SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION ADJACENT TO BUSINESSES WITH ONLY ONE (1) BUSINESS ENTRANCE SHALL HAVE BUSINESS ACCESS MAINTAINED BY THE FOLLOWING METHODS:

 TEMPORARY WOOD RAMPS MAY BE USED FOR PEDESTRIAN ACCESS TO BUSINESS ENTRANCES TO CROSS EXCAVATED CONSTRUCTION AREAS AND NEWLY POURED CONCRETE. USE OF TEMPORARY RAMPS SHALL BE COORDINATED AND APPROVED BY THE AFFECTED BUSINESS(ES) AND THE ENGINEER. TEMPORARY RAMPS SHALL BE INSTALLED AND REMOVED ON THE SAME WORKING DAY AT EACH LOCATION. TEMPORARY RAMPS WILL NOT BE ALLOWED TO BE INSTALLED DURING NON-WORK HOURS. TEMPORARY RAMPS SHALL MEET ALL ADA REQUIREMENTS

 WHERE TEMPORARY RAMPS CANNOT BE INSTALLED OR THE BUSINESS OWNER DOES NOT APPROVE OF USE OF TEMPORARY RAMPS, CONSTRUCTION ADJACENT TO BUSINESSES WITH ONE ENTRANCE SHALL BE PERFORMED DURING HOURS OF WORK IN WHICH THE AFFECTED BUSINESS IS CLOSED. HOURS IN WHICH CONSTRUCTION CAN OCCUR AT THESE LOCATIONS SHALL BE COORDINATED WITH THE VILLAGE/BUSINESS OWNER AND APPROVED BY THE ENGINEER.
- EXISTING PCC SIDEWALK ADJACENT TO THE BUILDING SHALL BE SAW CUT AND MINIMUM 5-7 FOOT WIDE EXISTING PCC SIDEWALK MAINTAINED DURING ALL OF STAGE 1 FOR THE PURPOSES OF PEDESTRIAN WALKWAY ACCESS AND AS LONG AS FEASIBLE DURING STAGE 2. IT SHALL ONLY BE REMOVED WHEN CONSTRUCTION OF THE PROPOSED ELEMENT IS IMMANENT IN EACH WORK ZONE.
- DURING STAGE 2, AFTER THE EXISTING PCC SIDEWALK IS REMOVED, THE CONTRACTOR SHALL INSTALL A TEMPORARY GRAVEL SIDEWALK/ACCESS, MINIMUM 7 FOOT WIDE AT DOORWAY ENTRANCES, AND 5 FOOT WIDE BETWEEN DOORWAY ENTRANCES. TEMPORARY ACCESS SHALL BE AGGREGATE CA 6 OR APPROVED EQUAL.
- THE CONTRACTOR SHALL MAKE ALL EFFORTS TO LIMIT THE TIME THAT TEMPORARY SIDEWALK/ACCESS IS USED PRIOR TO FINAL PCC SIDEWALK INSTALLATION.

SUGGESTED CONSTRUCTION STAGING NOTES

- THE CONTRACTOR SHALL NOT BEGIN WORK ON THIS CONTRACT PRIOR TO JUNE 12TH, 2017 UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE VILLAGE OF GLENVIEW.
- THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK PRIOR TO THE START OF WORK FOR REVIEW AND APPROVAL. NO WORK SHALL COMMENCE UNTIL PREPLANNED SEQUENCE OF WORK HAS BEEN APPROVED BY VILLAGE. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO RESIDENTS AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE VILLAGE AND/OR ENGINEER RESERVES THE RIGHT TO RESTRICT WORK ON ANY ROADWAY/SIDEWALK SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE; TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR AN EROSION CONTROL DEFICIENCY EXISTS.
- THE MAXIMUM DURATION OF THE DETOUR IS 3 WEEKS FOR USE DURING WATER MAIN INSTALLATION. WATER MAIN CONSTRUCTION SHALL BE STAGED SO THAT LOCAL TRAFFIC IS MAINTAINED ACCORDING TO THE MAINTENANCE OF TRAFFIC TYPICAL SECTIONS.
- THE ENGINEER SHALL BE NOTIFIED OF ANY CHANGES TO CONSTRUCTION STAGING. ALL CHANGES TO CONSTRUCTION STAGING MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
- THE CONTRACTOR WILL BE REQUIRED ATTEND WEEKLY PROGRESS MEETINGS WITH THE VILLAGE AND ENGINEER TO PROVIDE THE ENGINEER AND VILLAGE WEEKLY UPDATES ON THE PROPOSED WORK SCHEDULE AND UPCOMING SEQUENCE OF CONSTRUCTION ACTIVITIES. THE WORK SCHEDULE AND SEQUENCE OF WORK WILL REQUIRE APPROVAL OF THE VILLAGE AND COORDINATION WITH IMPACTED PROPERTY OWNERS.
- CONSTRUCTION ACTIVITIES, INCLUDING SIDEWALK REMOVAL, SHALL BE STAGED IN A MANNER AS TO MINIMIZE THE LENGTH OF TIME OF DISTURBANCE FOR EACH BLOCK. SIDEWALK REMOVAL SHALL NOT BE ALLOWED BE BEGIN IN ADJACENT BLOCK UNTIL ADDITIONAL CONSTRUCTION ACTIVITIES ARE READY TO BEGIN WITHIN THE SAME WORK ZONE AREA.
- WORK SHALL BE LIMITED TO ONE SIDE OF GLENVIEW ROAD AND ALL SIDE STREETS AT A TIME. WORK ON THE OPPOSITE SIDE OF THE STREET MAY BE REQUESTED AND APPROVED BY THE ENGINEER IF IT IS NOT OCCURRING IN THE WORK ZONE DIRECTLY OPPOSITE OR ADJACENT TO THE WORK ZONE.
- THE COST OF ADDITIONAL DEPLOYMENTS, SETUPS AND/OR MOBILIZATIONS NEEDED FOR STAGED CONSTRUCTION SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SUGGESTED SEQUENCE OF CONSTRUCTION

PRIOR TO STAGE 1

- ESTABLISH DETOUR ROUTE AND OTHER TRAFFIC CONTROL ITEMS.
- ESTABLISH EROSION CONTROL MEASURES AND TREE PROTECTION.
- ESTABLISH 5-7 FOOT WIDE PEDESTRIAN WALKWAY AS REQUIRED, UTILIZING EXISTING PCC SIDEWALK.

STAGE 1

- SAW CUT AND REMOVE EXISTING PAVEMENT, CURB & GUTTER AND SIDEWALK AS NECESSARY FOR UTILITY INSTALLATION.
- CONSTRUCT WATER MAIN AND LATERAL STORM SEWERS.
- TEMPORARY PAVEMENT SHALL BE USED AS DIRECTED BY THE ENGINEER TO MAINTAIN LOCAL TRAFFIC DURING THE DETOUR.
- BEGIN CONSTRUCTION OF DRAINAGE STRUCTURES, CURB & GUTTER, PAVEMENT PATCHING AND PAVEMENT WIDENING.
- INSTALL TEMPORARY LIGHTING, AND TEMPORARY SIGNALS.
- COMPLETE CLASS D PATCHES OVER UTILITY TRENCHES.
- REOPEN ROADWAY AND REMOVE DETOUR.

STAGE 2A (SHALL BE COMPLETED BY AUGUST 11, 2017)

MAINTAIN PEDESTRIAN ACCESS WALKWAY UTILIZING TEMPORARY PEDESTRIAN WALKWAY (AGGREGATE CA 6), AND TEMPORARY RAMPS. PERFORM WORK DURING HOURS WHEN BUSINESSES ARE CLOSED AS REQUIRED. COORDINATE PROPOSED CONCRETE POUR LIMITS, CONSTRUCTION JOINTS, AND USE OF HIGH EARLY STRENGTH CONCRETE WITH THE ENGINEER.

- REMOVE EXISTING LIGHTING AND TRAFFIC SIGNALS AND ACTIVATE TEMPORARY SYSTEMS.
- INSTALL UNDERGROUND LIGHTING AND TRAFFIC SIGNAL COMPONENTS.
- COMPLETE CONSTRUCTION OF DRAINAGE STRUCTURES, CURB & GUTTER AND PAVEMENT PATCHING.

STAGE 2B (SHALL BE COMPLETED BY AUGUST 11, 2017)

- SIDEWALK REMOVAL SHALL NOT BEGIN PRIOR TO COMPLETION OF STAGE 2A UNLESS APPROVED BY THE VILLAGE.
- REMOVE REPLACE SIDEWALK ON SOUTH SIDE OF GLENVIEW ROAD. (SEE PEDESTRIAN ACCESS NOTES AND TYPICAL SECTIONS)
- REMOVE REPLACE SIDEWALK ON NORTH SIDE OF GLENVIEW ROAD. (SEE PEDESTRIAN ACCESS NOTES AND TYPICAL SECTIONS)

UTILIZE NEW PCC SIDEWALK TO PROVIDE ALL BUSINESS WITH FULL ACCESS TO ALL ENTRANCES AND PARKING AREAS.

STAGE 3

- COMPLETE LANDSCAPING OF PLANTERS AND PARKWAY RESTORATION.
- MILL PAVEMENT.
- COMPLETE HMA LEVEL BINDER.
- INSTALL REQUIRED PAVEMENT MARKINGS.
- COMPLETE LIGHTING AND TRAFFIC SIGNALS INSTALLATION AND REMOVE TEMPORARY SYSTEMS.
- REMOVE TEMPORARY EROSION CONTROL ITEMS ONCE SEED ESTABLISHES.
- COMPLETE FINAL HMA SURFACE COURSE AND PAVEMENT MARKINGS
- COMPLETE PUNCH LIST ITEMS.

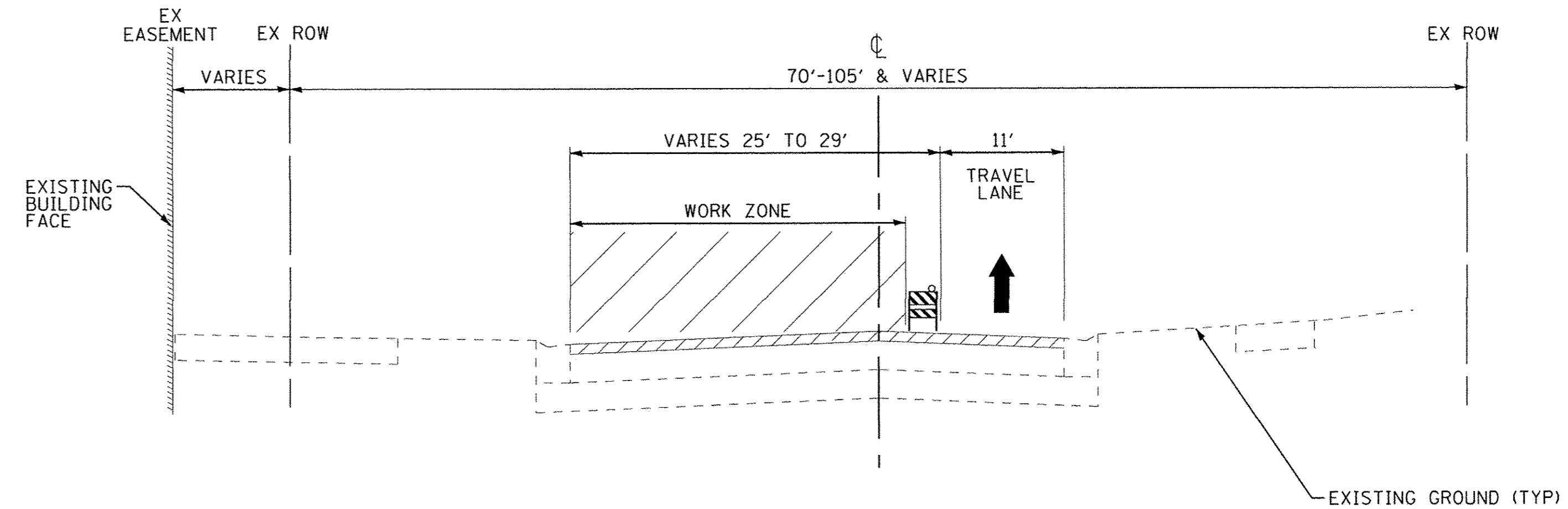
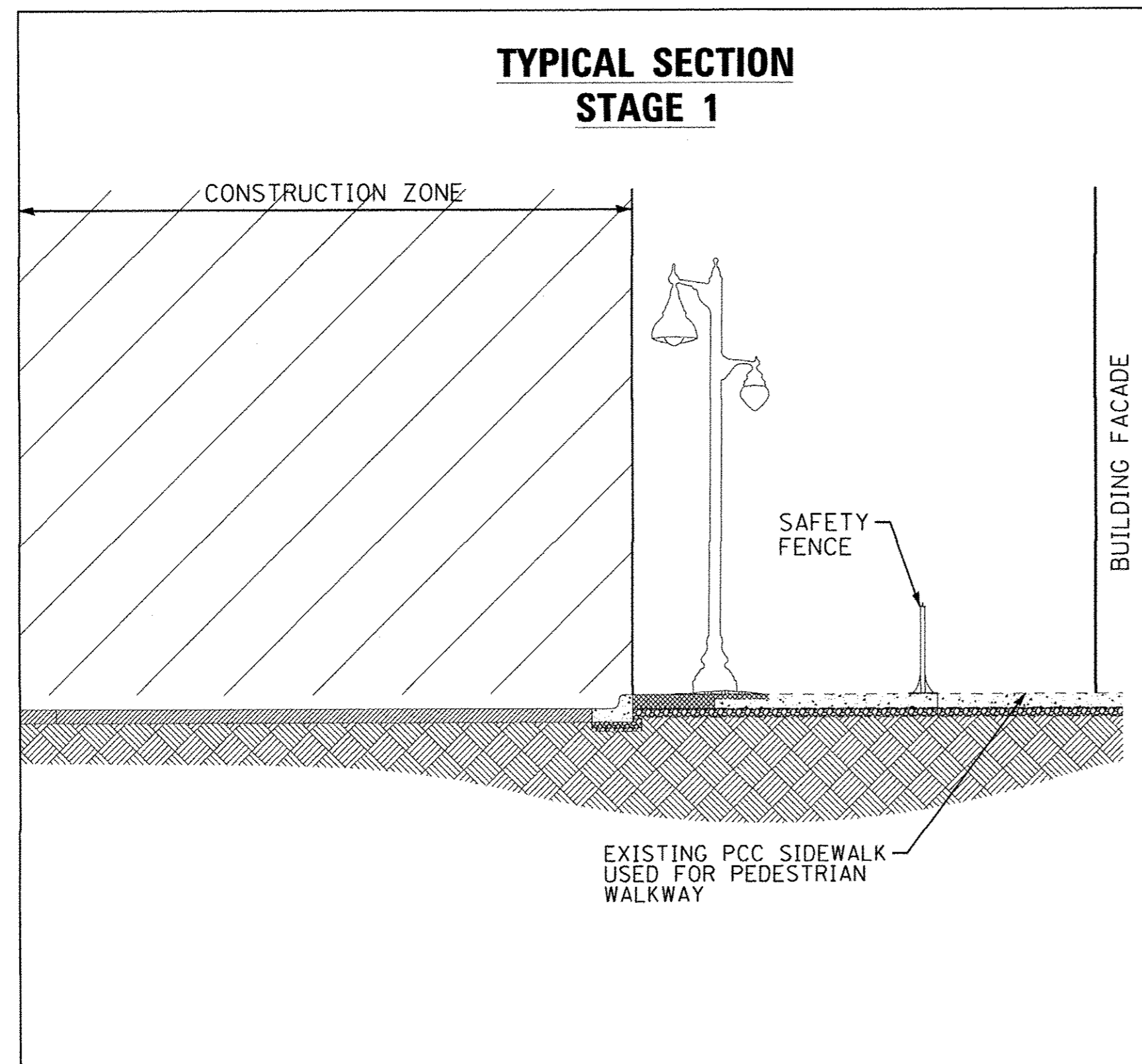
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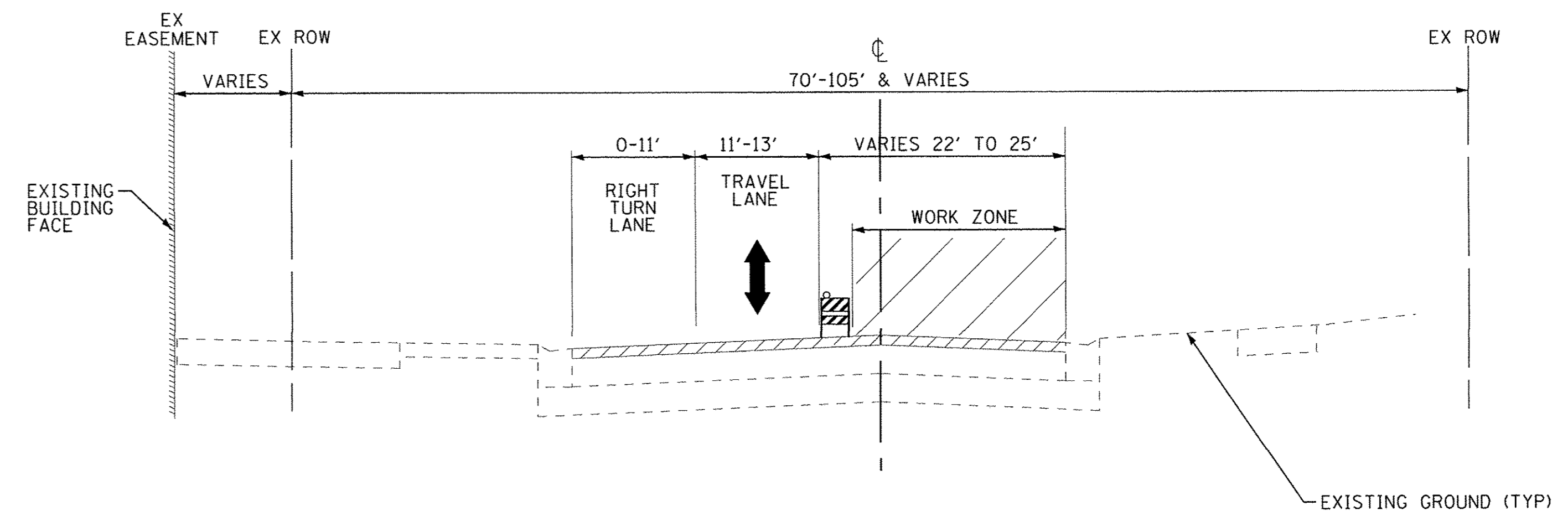
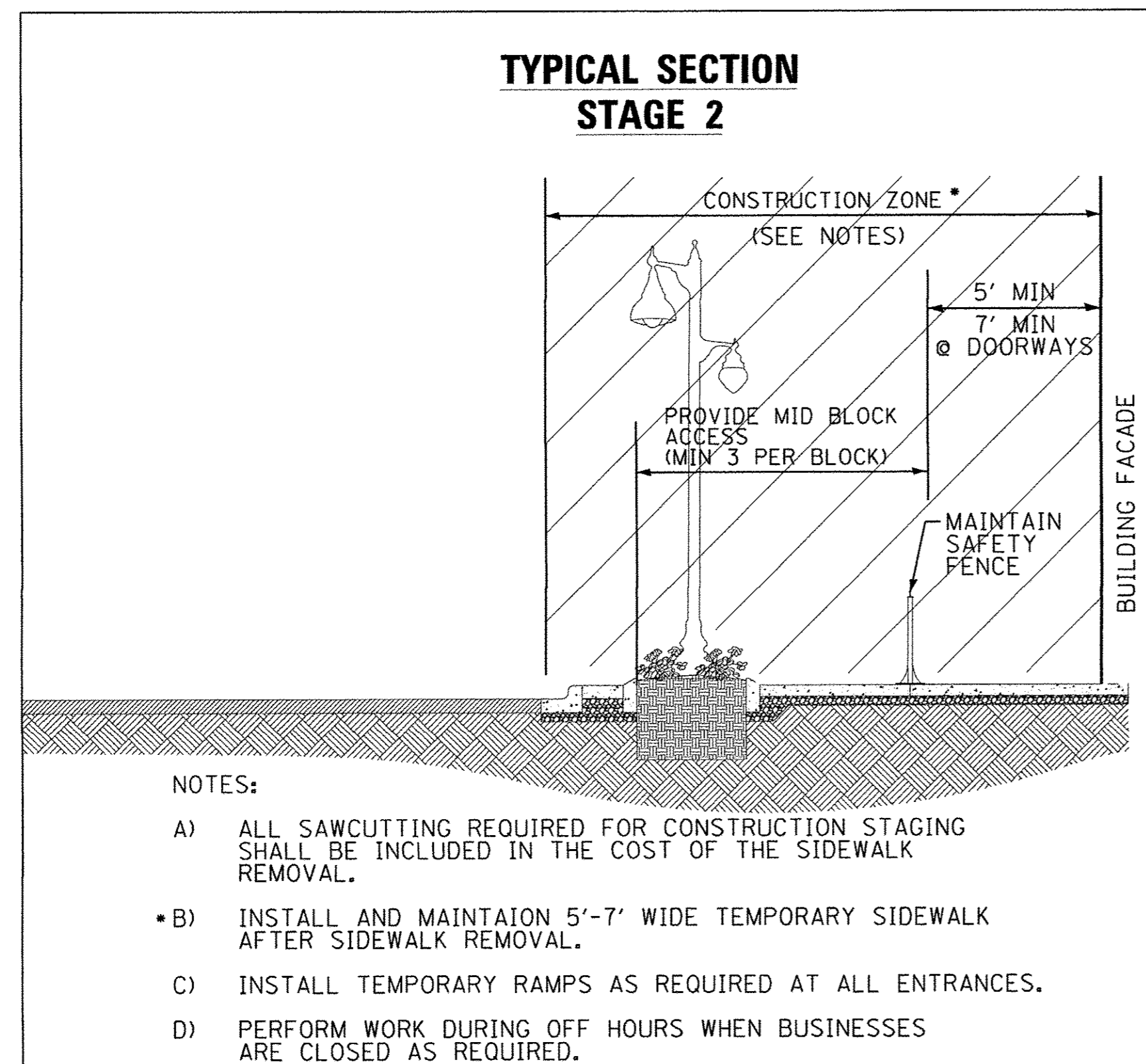
MAINTENANCE OF TRAFFIC AND SEQUENCE OF CONSTRUCTION NOTES	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	



**TYPICAL SECTION - STAGE 1
MAINTENANCE OF LOCAL TRAFFIC DURING DETOUR
CONDITION I**

STA 108+81.38 TO 111+44.61



**TYPICAL SECTION - STAGE 1
MAINTENANCE OF LOCAL TRAFFIC DURING DETOUR
CONDITION II
(DAYTIME ONLY WHEN FLAGGERS ARE PRESENT)**

STA 108+81.38 TO 111+44.61

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Consulting Engineers

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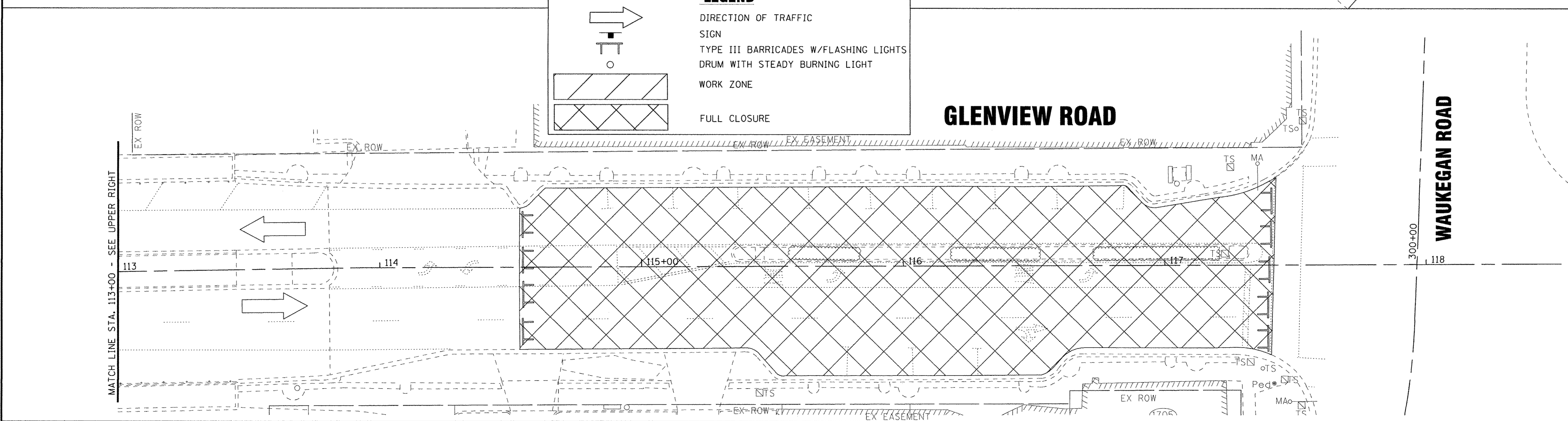
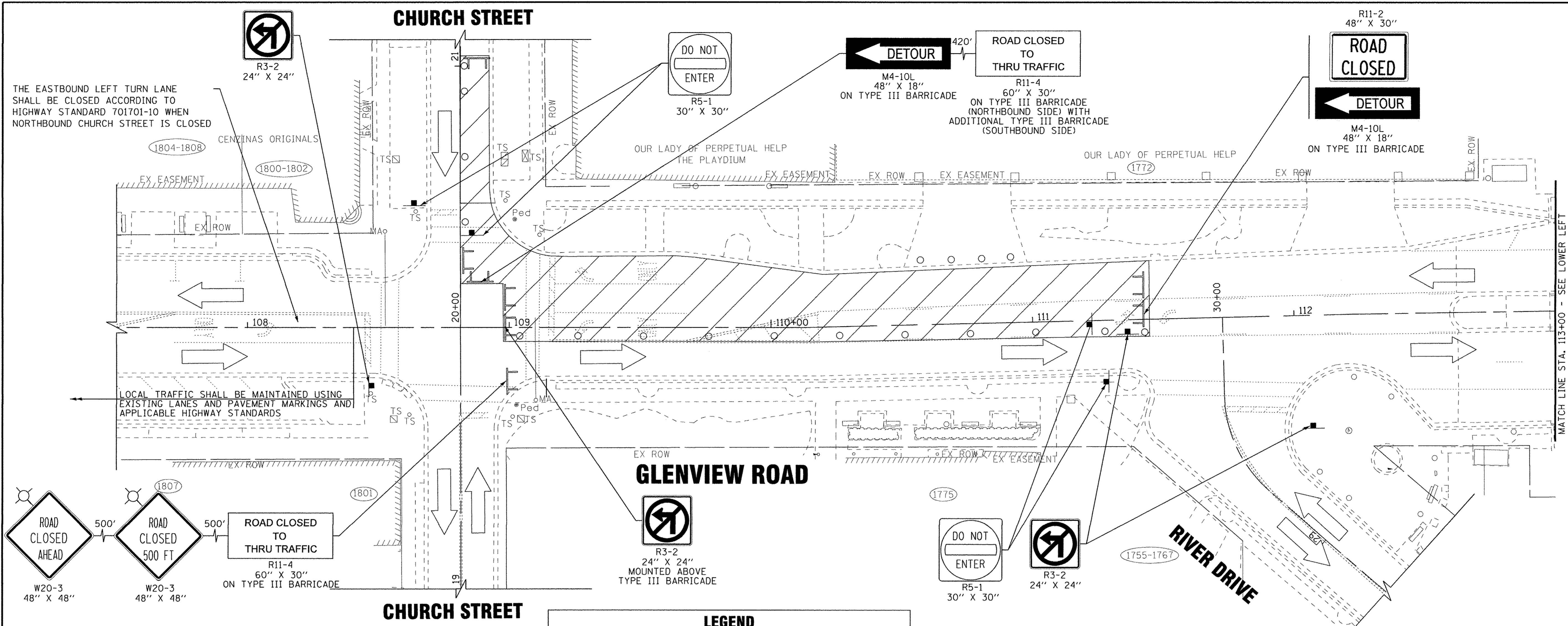
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**MAINTENANCE OF TRAFFIC AND
CONSTRUCTION STAGING TYPICAL SECTIONS**

SCALE: NONE

STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	30
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D32	



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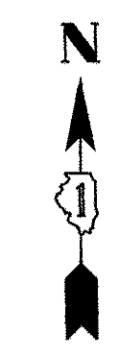
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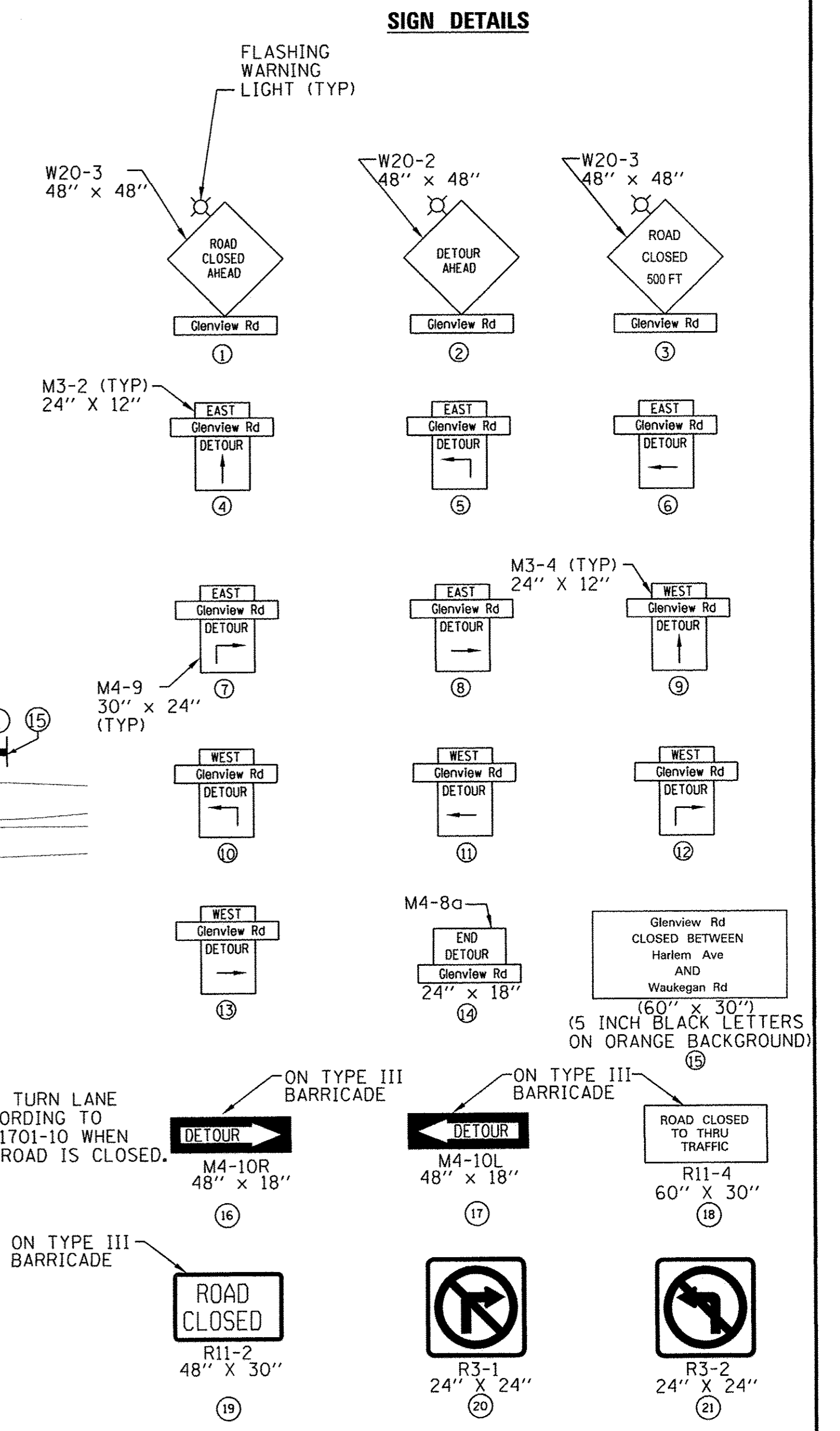
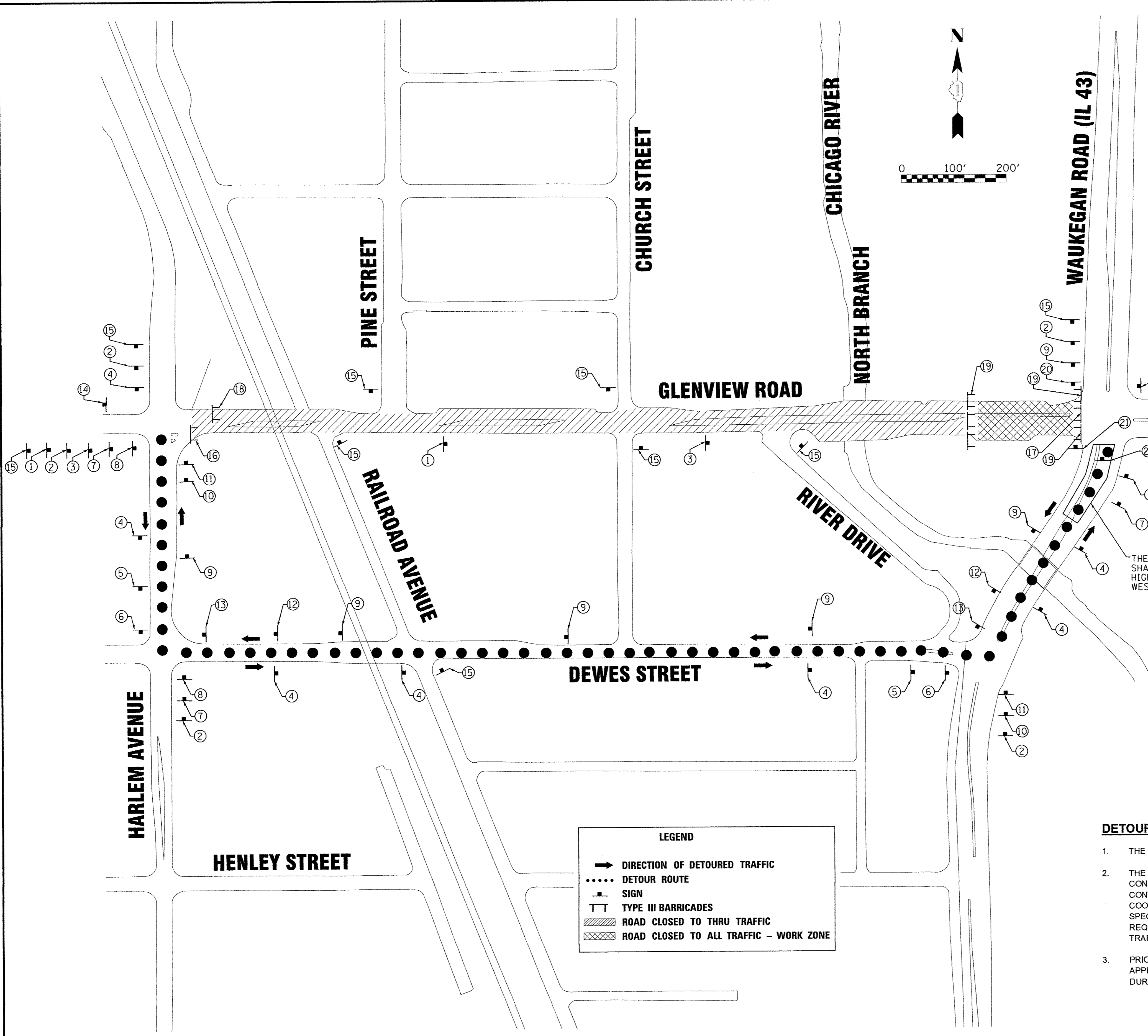
MAINTENANCE OF TRAFFIC PLAN
STAGE 1 - CONDITION I

SCALE: STA. 107+50 TO STA. 117+42

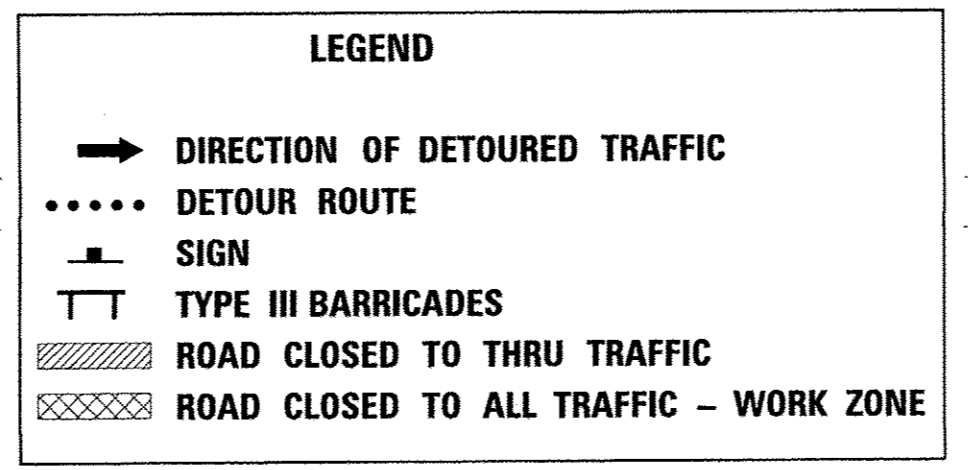
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FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D32	



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THE NORTHBOUND LEFT TURN LANE SHALL BE CLOSED ACCORDING TO HIGHWAY STANDARD 701701-10 WHEN WESTBOUND GLENVIEW ROAD IS CLOSED.



DETOUR NOTES

- THE MAXIMUM DURATION OF THE DETOUR IS 3 WEEKS FOR USE DURING WATER MAIN INSTALLATION.
- THE CONTRACTOR IS HEREBY ADVISED OF THE FOLLOWING PROJECT THAT MAY BE UNDER CONSTRUCTION DURING THE SAME TIME AS THIS CONTRACT: VILLAGE OF GLENVIEW, HARLEM AVENUE, CONTRACT NUMBER 61D17, NOVEMBER 4, 2016 LETTING DATE. THE CONTRACTOR WILL BE REQUIRED TO COOPERATE WITH THIS ADJACENT CONTRACT IN ACCORDANCE WITH SECTION 105.08 OF THE STANDARD SPECIFICATIONS AND MAY BE REQUIRED TO MODIFY STAGING OPERATIONS IN ORDER TO MEET THESE REQUIREMENTS. CONTRACTOR COOPERATION SHALL INCLUDE, BUT NOT BE LIMITED TO, MAINTENANCE OF TRAFFIC, TRAFFIC SIGNAL MAINTENANCE AND LIGHTING SYSTEM MAINTENANCE.
- PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL SUBMIT FOR VILLAGE APPROVAL A PROPOSED SCHEDULE DETAILING, IN MEMO OR BAR CHART FORMAT, THE ORDER AND DURATION OF CLOSURES ASSOCIATED WITH THE DETOUR.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN	
SCALE: 1" = 100'	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	31
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61D32		

EROSION CONTROL SCHEDULES OF QUANTITIES

EROSION CONTROL NOTES

- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENGINEER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.
- P. INLET FILTERS SHALL BE INSTALLED AND MAINTAINED AT ALL OPEN LID STORM SEWER STRUCTURES (EXISTING AND PROPOSED).

INLET FILTERS		
STATION	OFFSET	QUANTITY [EACH]
106+97.59	26.79' LT	1
107+02.22	17.51' RT	1
108+15.19	26.77' LT	1
108+22.34	17.31' RT	1
110+99.25	18.77' RT	1
111+12.70	26.24 RT	1
111+47.73	22.82' LT	1
112+51.38	39.93' RT	1
113+82.70	40.88' RT	1
114+44.18	30.12' LT	1
114+64.31	30.48' LT	1
116+46.62	41.67' RT	1
116+47.26	30.24' LT	1
117+26.94	31.50' RT	1
21+36.42	11.15' LT	1
21+35.87	11.80' RT	1
AS DIRECTED BY ENGINEER		5
TOTAL		21

ITEMS TO BE USED AS DIRECTED BY THE ENGINEER		
ITEM	UNIT	TOTAL
SEEDING, CLASS 1	ACRE	0.25
PERIMETER EROSION BARRIER	FOOT	100

TREE PROTECTION AND REMOVAL SCHEDULE							
STA	SIDE	20100110	20101000	20101100	20101200	20101300	20101350
		TREE REMOVAL (6 TO 15 UNITS DIAMETER) UNIT	TEMPORARY FENCE FOOT	TREE TRUNK PROTECTION EACH	TREE ROOT PRUNING EACH	TREE PRUNING (1 TO 10 INCH DIAMETER) EACH	TREE PRUNING (OVER 10 INCH DIAMETER) EACH
20+62	LT		40				
20+77	RT			1			
20+94	LT			1			
21+14	RT			1			
21+49	LT			1			
21+53	RT		40				
21+86	RT		40				
21+93	LT		40				
102+87	RT			1			
103+37	RT			1			
105+91	LT	10					
106+44	LT			1		1	
109+31	RT			1	1		1
109+31	LT		40				
109+89	LT			1	1		
110+02	RT			1	1		1
110+39	RT			1			1
110+44	LT			1	1		
110+64	RT			1			1
110+89	RT			1			1
111+05	LT			1	1		
111+13	RT			1	1		1
111+47	LT			1	1		
111+93	LT			1	1		
112+58	LT		40		1		
112+91	CL	8					
114+11	RT			1	1		
114+54	LT			1	1		1
114+87	LT			1	1	1	
115+31	LT			1	1	1	
115+65	RT			1	1		1
115+68	LT			1	1	1	
115+92	RT			1	1		1
116+03	LT			1	1		1
116+45	LT	6					
116+45	RT			1	1		
117+03	RT			1	1	1	
117+06	LT	15					
BY ENGINEER		20	260	5	10	10	10
TOTALS		59	500	33	29	15	20

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EROSION AND SEDIMENT CONTROL PLAN

SCALE: NONE

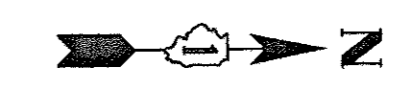
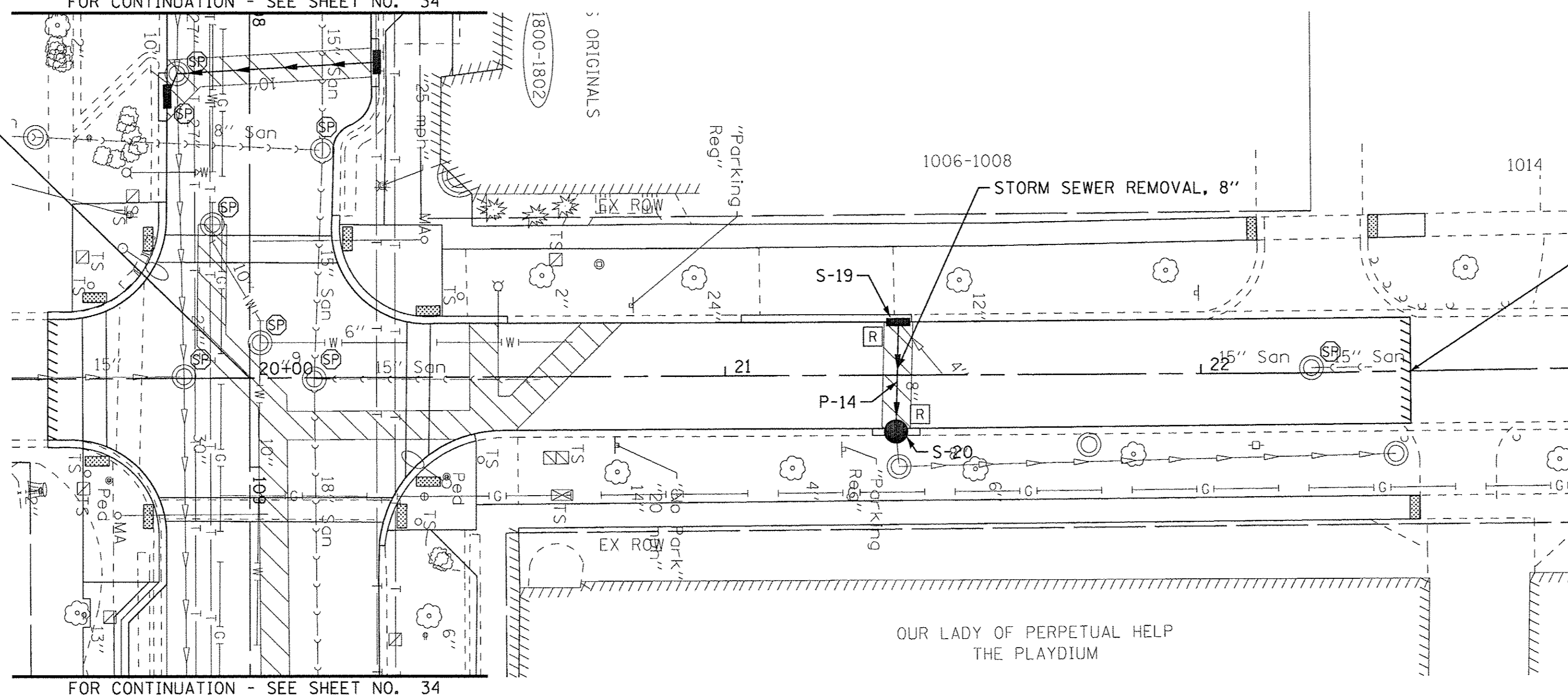
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	32
CONTRACT NO. 61D32				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

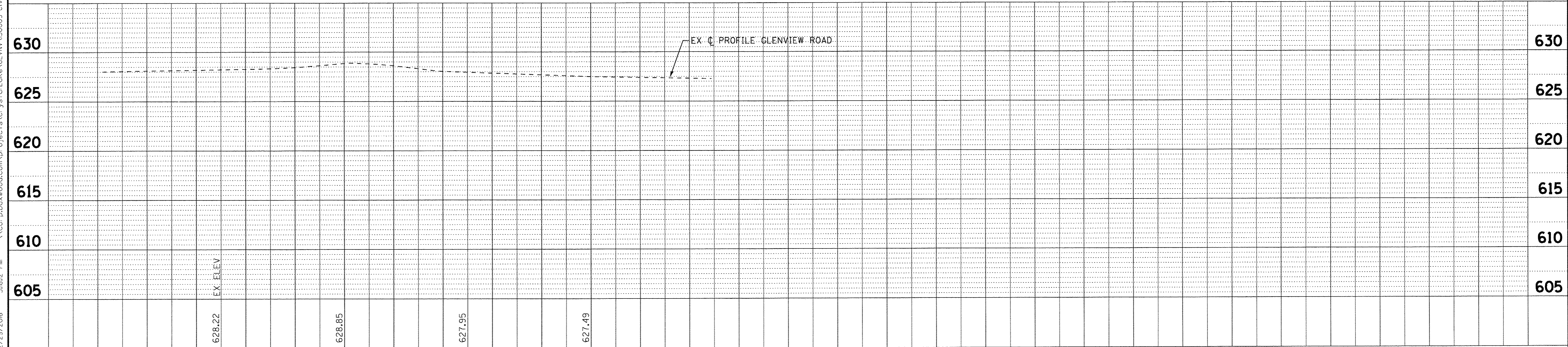
GLENVIEW ROAD

FOR CONTINUATION - SEE SHEET NO. 34

CHURCH ST STA 20+00
GLENVIEW RD STA 108+81.36



CHURCH STREET



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BAXTER & WOODMAN <small>Consulting Engineers</small>	DESIGNED - JFM	REVISED -
	DRAWN - MAC	REVISED -
	CHECKED - JCC	REVISED -
	DATE - 9/9/16	FILE - 150009-28SHT_DU5.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE & UTILITIES	
PLAN AND PROFILE	
SCALE: H: 1"=20' V: 1"=5'	STA. 20+00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	37
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61D32		

DRAINAGE AND UTILITY NOTES

1. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER, WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THEM. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM ALL THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE, INCLUDING PAVEMENT.
2. ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
3. DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS, UNDERDRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL SO INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF THE NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE. SHOULD THE ENGINEER HAVE DIRECTED THE REPLACEMENT OF A FACILITY, THE NECESSARY WORK AND PAYMENT SHALL BE IN ACCORDANCE WITH SECTIONS 550 AND 601, AND ARTICLE 104.02 OF THE STANDARD SPECIFICATIONS.
4. TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS A PART OF THE STRUCTURE COST.
5. ANY TEMPORARY DAMMING OR PUMPING REQUIRED FOR THE EXCAVATIONS FOR THE STORM SEWER OR CULVERT CONNECTIONS SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR CULVERT BEING CONSTRUCTED.
6. ALL FRAME AND LID CASTINGS LOCATED WITHIN THE PAVEMENT WHICH REQUIRE RESETTING TO FINISH GRADE SHALL BE BACKFILLED WITH CLASS SI CONCRETE AND ALLOWED TO CURE FOR 72 HOURS PRIOR TO PLACEMENT OF SURFACE COURSE. CLASS PP CONCRETE SHALL BE USED IF PLACEMENT OF SURFACE COURSE IS PLANNED IN LESS THAN 72 HOURS. HMA MATERIALS WILL NOT BE ALLOWED AS BACKFILL AROUND AN ADJUSTED CASTING. THIS WORK SHALL APPLY TO ALL CASTINGS ADJUSTED OR RECONSTRUCTED AS PART OF THIS CONTRACT, WHETHER PAID FOR SEPARATELY OR INCLUDED IN OTHER CONTRACT WORK.
7. STORM STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF STRUCTURE IF THE STRUCTURE IS NOT IN THE CURB LINE.
8. ALL NEW DRAINAGE STRUCTURE FRAMES AND LIDS SHALL BE NEENAH FOUNDRY R-1713 WITH TYPE G OPEN LIDS UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS.
9. ANY SANITARY MANHOLES REQUIRING ADJUSTMENT SHALL RECEIVE A NEW CHIMNEY SEAL. THIS WORK SHALL BE ACCORDING TO THE SPECIAL PROVISION FOR SANITARY MANHOLES FRAME AND ADJUSTMENT SEALING.
10. ALL STORM SEWERS SHALL BE PLASTIC POLYVINYL CHLORIDE (PVC) PRESSURE-RATED PIPE CONFORMING TO ASTM D2241, SDR 26. PLASTIC PRESSURE PIPE JOINTS SHALL BE IN CONFORMANCE WITH ASTM D3139, USING FLEXIBLE ELASTOMERIC SEAL JOINT (GASKET) PER ASTM D3139. WHENEVER ASTM D2241 PIPE IS NOT AVAILABLE, THEN ASTM/AWWA C905 OR C909 PVC PIPE SHALL BE USED. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR IF THE ASTM/AWWA C905 OR C909 PVC PIPE AND APPROPRIATE SEWER FITTINGS AND ADAPTORS WILL BE USED.
11. ALL ADJUSTING RINGS SHALL BE HDPE IN ACCORDANCE WITH THE VILLAGE DETAIL DRAWINGS AND SPECIAL PROVISIONS. THIS NOTE SHALL HOLD OVER ALL OTHER DOCUMENTS INCLUDING OTHER DETAIL DRAWINGS, PLAN NOTES, SPECIAL PROVISIONS AND SPECIFICATIONS REGARDING ADJUSTING RINGS.
12. THE COST OF MAKING ANY SEWER CONNECTIONS TO EXISTING DRAINAGE STRUCTURES OR PIPE SHALL BE INCLUDED IN THE COST OF THE NEW SEWER OR STRUCTURE. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE OF THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER AND SHALL BE INCLUDED IN THE COST OF THE SEWER OR STRUCTURE.

DRAINAGE AND UTILITY STRUCTURE SCHEDULE

NO.	STATION	OFFSET	TYPE	FRAME	RIM / EP	INVERT			
S-1	103+07.67	22.24' RT	ADJUST SANITARY MANHOLE W/ NEW RINGS AND FRAME	NEENAH TYPE R-1713, CLOSED LID	630.67	623.87 8" N	623.93 6" S		
S-2	105+27.30	16.18 RT	REMOVE AND REPLACE LID	NEENAH TYPE R-1713, CLOSED LID	629.62	618.48 24" E	618.50 24" W	618.48 12" S	
S-3	106+97.59	26.79' LT	INLETS, TYPE A	NEENAH TYPE R-1713, TYPE G LID	628.23	624.93 12" S			
S-4	107+02.22	17.51' RT	INLETS, TYPE A	NEENAH TYPE R-1713, TYPE G LID	628.68	625.80 10" NW			
S-5	108+15.19	26.77' LT	INLETS, TYPE A	NEENAH TYPE 3250A F+G	628.11	624.58 12" S			
S-6	108+17.60	15.26' RT	ADJUST WITH NEW RINGS, FRAME AND LID	NEENAH TYPE R-1713, CLOSED LID	628.22	618.24 27" E	618.25 27" W	623.40 12" N	624.79 10" SE
S-7	108+22.34	17.31' RT	INLETS, TYPE A	NEENAH TYPE 3250A F+G	628.10	625.30 10" NW			
S-8	111+47.73	22.82' LT	INLETS, TYPE A	NEENAH TYPE 3250A F+G	627.87	625.47 12" E			
S-9	111+12.70	26.24 RT	INLETS, TYPE A	NEENAH TYPE 3250A F+G	627.32	624.03 10" NW			
S-10	112+51.38	39.93' RT	INLETS, TYPE A	NEENAH TYPE 3250A F+G	628.29	625.35 10" SE			
S-11	113+82.70	40.88' RT	INLETS, TYPE A	NEENAH TYPE R-1713, TYPE G LID	628.70	625.65 12" NE			
S-12	113+89.21	35.53' RT	ADJUST WITH NEW RINGS, FRAME AND LID	NEENAH TYPE R-1713, CLOSED LID	628.92	620.52 15" SW	620.53 12" E	625.55 12" SW	
S-13	114+44.18	30.12' LT	INLETS, TYPE A	NEENAH TYPE R-1713, TYPE G LID	628.03	625.80 12" E			
S-14	114+64.31	30.48' LT	INLETS, TYPE A	NEENAH TYPE R-1713, TYPE G LID	627.89	625.73 12" W	625.73 12" S		
S-15	116+47.26	30.24' LT	INLETS, TYPE A	NEENAH TYPE 3250A F+G	626.96	623.51 12" S			
S-16	116+46.62	41.67' RT	INLETS, TYPE A	NEENAH TYPE 3250A F+G	626.57	623.44 12" N	625.03 6" SE		
S-17	117+26.94	31.50' RT	INLETS, TYPE A	NEENAH TYPE 3250A F+G	626.55	623.63 12" W			
S-18	116+46.62	25.00' RT	CATCH BASINS, TYPE A	NEENAH TYPE R-1713, TYPE G LID	626.65	622.79 12" W	622.79 12" N	622.79 12" E	623.39 12" S
S-19	21+36.42	11.15' LT	INLETS, TYPE A	NEENAH TYPE R-1713, TYPE G LID	626.87	624.33 10" E	625.17 4" NE		
S-20	21+35.87	11.80' RT	CATCH BASINS, TYPE A	NEENAH TYPE R-1713, TYPE G LID	626.95	624.65 8" E	624.65 10" W		

DRAINAGE PIPE SCHEDULE

NO.	TYPE	LENGTH [FEET]	DIAMETER [INCH]	SLOPE	TBF [CU YD]
P-1	STORM SEWERS, CLASS B, TYPE 1 12"	42	12	1.07%	15
P-2	STORM SEWERS, CLASS B, TYPE 1 10"	4	10	10.50%	1.5
P-3	STORM SEWERS, CLASS B, TYPE 1 10"	5	10	10.50%	1.5
P-4	STORM SEWERS, CLASS B, TYPE 1 12"	43	12	2.74%	15
P-5	STORM SEWERS, CLASS B, TYPE 1 12"	12	12	1.00%	5
P-6	STORM SEWERS, CLASS B, TYPE 1 12"	5	12	MATCH EXISTING	1.5
P-7	STORM SEWERS, CLASS B, TYPE 1 10"	5	10	MATCH EXISTING	1.5
P-8	STORM SEWERS, CLASS B, TYPE 1 12"	8	12	1.25%	3
P-9	STORM SEWERS, CLASS B, TYPE 1 12"	5	12	MATCH EXISTING	5
P-10	STORM SEWERS, CLASS B, TYPE 1 12"	72	12	5.93%	40
P-11	STORM SEWERS, CLASS B, TYPE 1 12"	72	12	1.03%	25
P-12	STORM SEWERS, CLASS B, TYPE 1 12"	9	12	1.78%	6
P-13	STORM SEWERS, CLASS B, TYPE 1 12"	84	12	1.00%	35
P-13A	STORM SEWERS, CLASS B, TYPE 1 12"	84	12	1.00%	35
P-14	STORM SEWERS, CLASS B, TYPE 1 10"	10	12	1.00%	5
P-15	STORM SEWER CONNECTION (4" PVC)	5	4	MATCH EXISTING	1.5

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DRAWN - MAC	REVISED -
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DATE - 12/05/2016	FILE - 150009-28SHT_WM_Notes.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY NOTES AND SCHEDULES

SCALE: NONE

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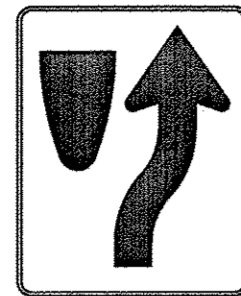
TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	38
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D32	



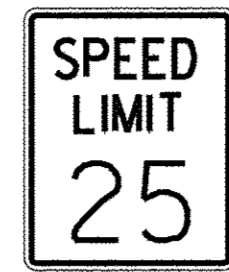
R1-1
36" X 36"

①



R4-7
24" X 30"

②



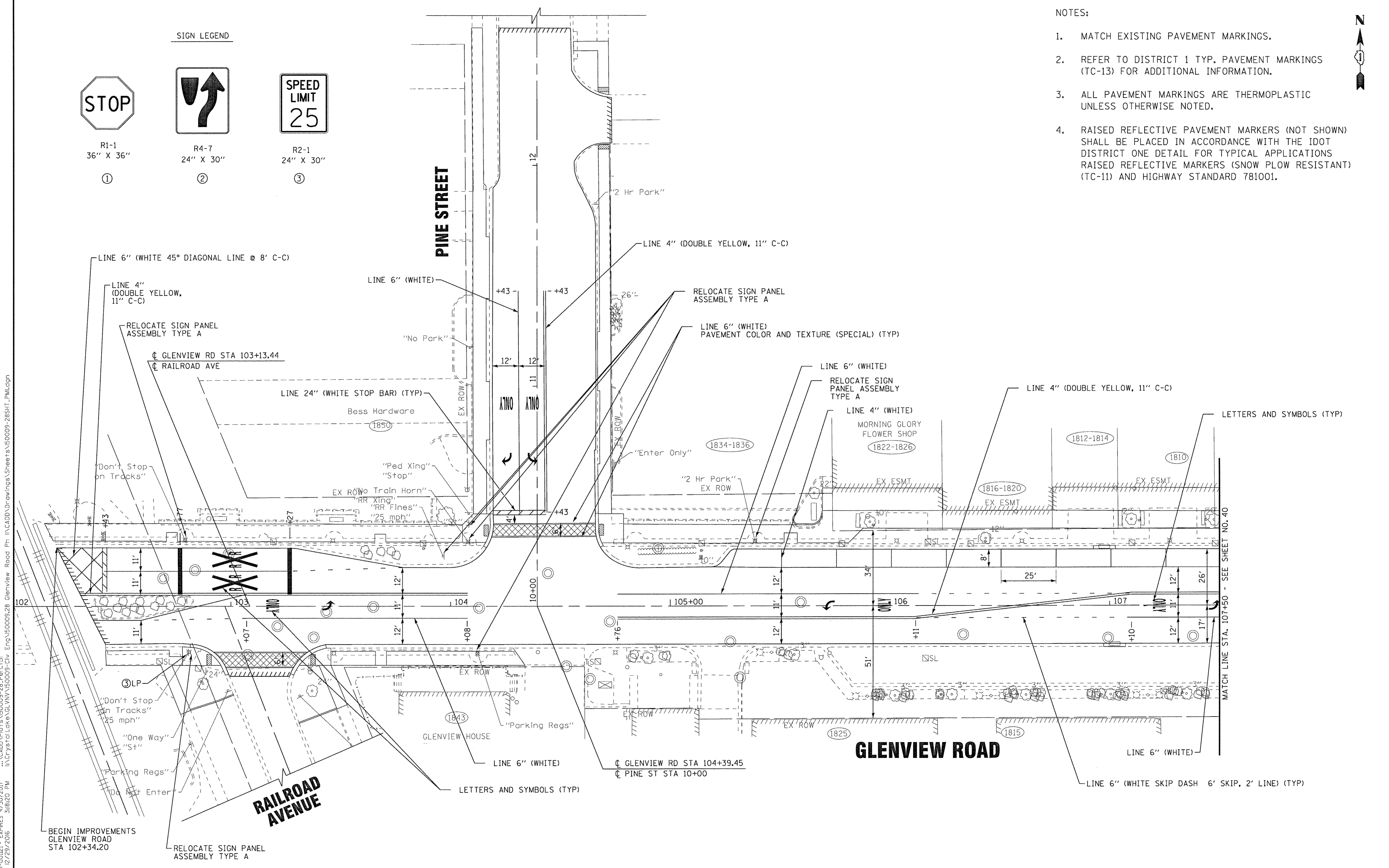
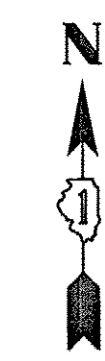
R2-1
24" X 30"

③

SIGN LEGEND

NOTES:

1. MATCH EXISTING PAVEMENT MARKINGS.
2. REFER TO DISTRICT 1 TYP. PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
3. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
4. RAISED REFLECTIVE PAVEMENT MARKERS (NOT SHOWN) SHALL BE PLACED IN ACCORDANCE WITH THE IDOT DISTRICT ONE DETAIL FOR TYPICAL APPLICATIONS RAISED REFLECTIVE MARKERS (SNOW PLOW RESISTANT) (TC-11) AND HIGHWAY STANDARD 781001.



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BAXTER & WOODMAN CONSULTING ENGINEERS	DESIGNED - JFM	REVISED -
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	DATE - 12/05/2016	FILE - 150009-28SHT_PMI.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING AND PAVEMENT MARKING PLAN

SCALE: 1" = 50'
STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	39
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	

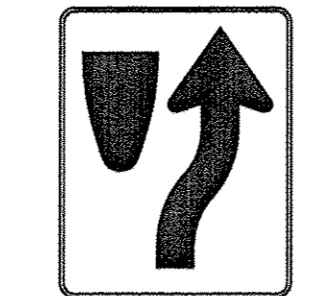


- NOTES:
1. MATCH EXISTING PAVEMENT MARKINGS.
 2. REFER TO DISTRICT 1 TYP. PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 3. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
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SIGN LEGEND



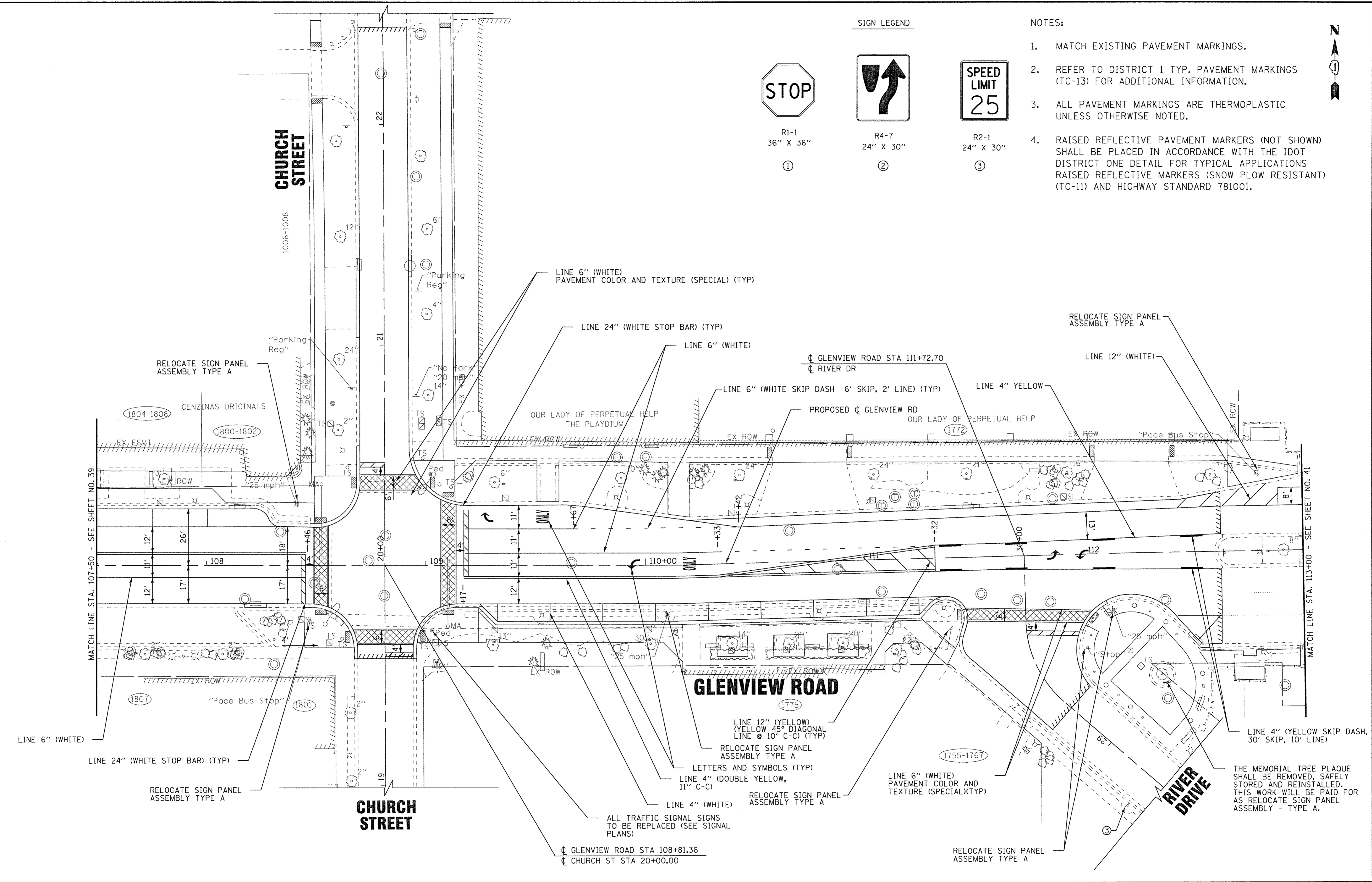
R1-1
36" X 36"
①



R4-7
24" X 30"
②



R2-1
24" X 30"
③



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	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT.PM2.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING AND PAVEMENT MARKING PLAN

SCALE: 1" = 50'
STA. TO STA.

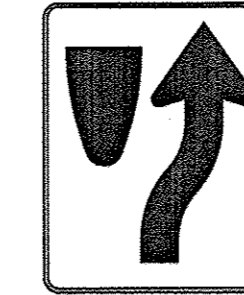
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 61D32				

SIGN LEGEND



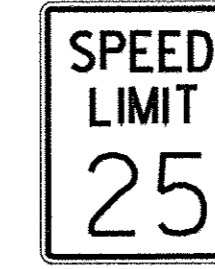
R1-1
36" X 36"

①



R4-7
24" X 30"

②

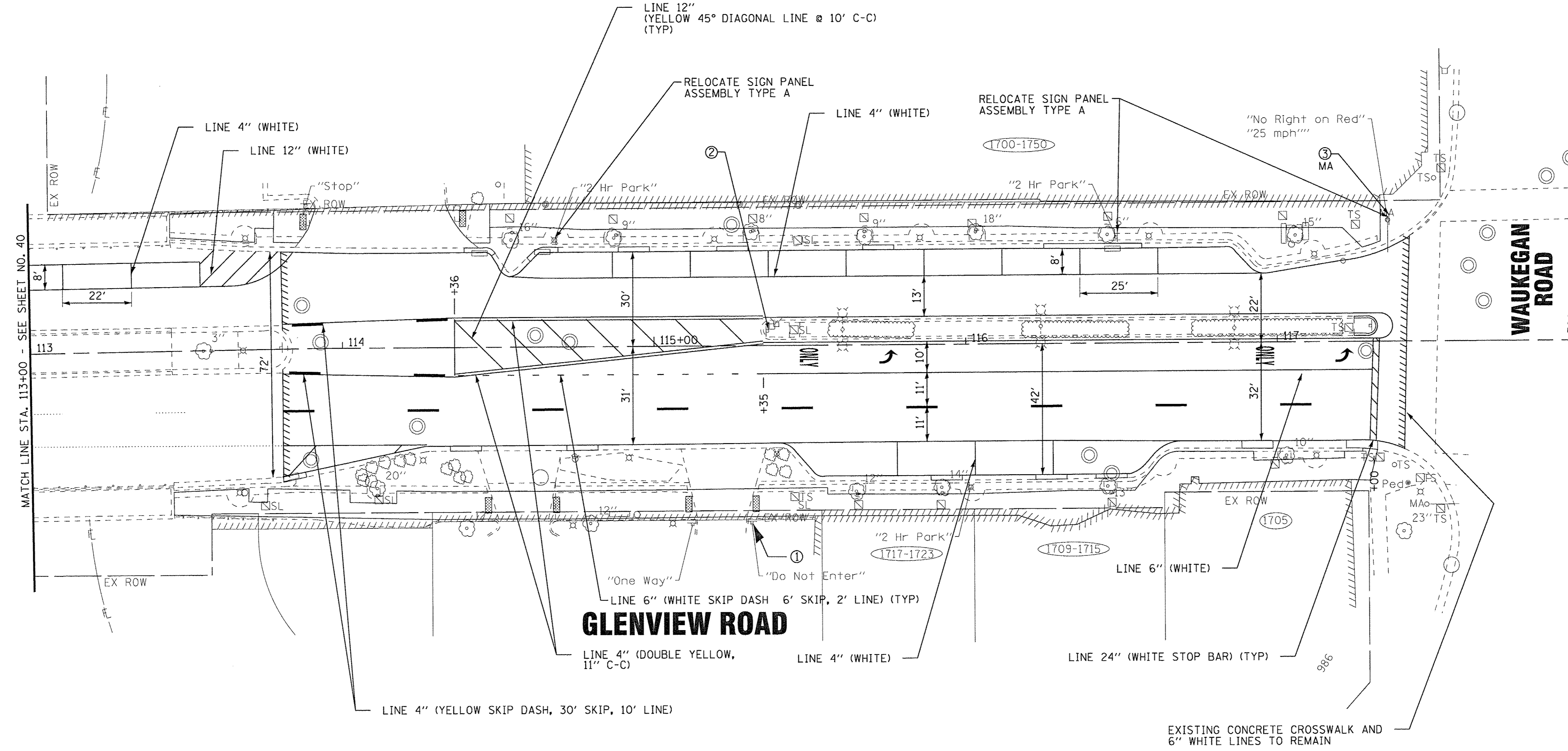


R2-1
24" X 30"

③

NOTES:

1. MATCH EXISTING PAVEMENT MARKINGS.
2. REFER TO DISTRICT 1 TYP. PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
3. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
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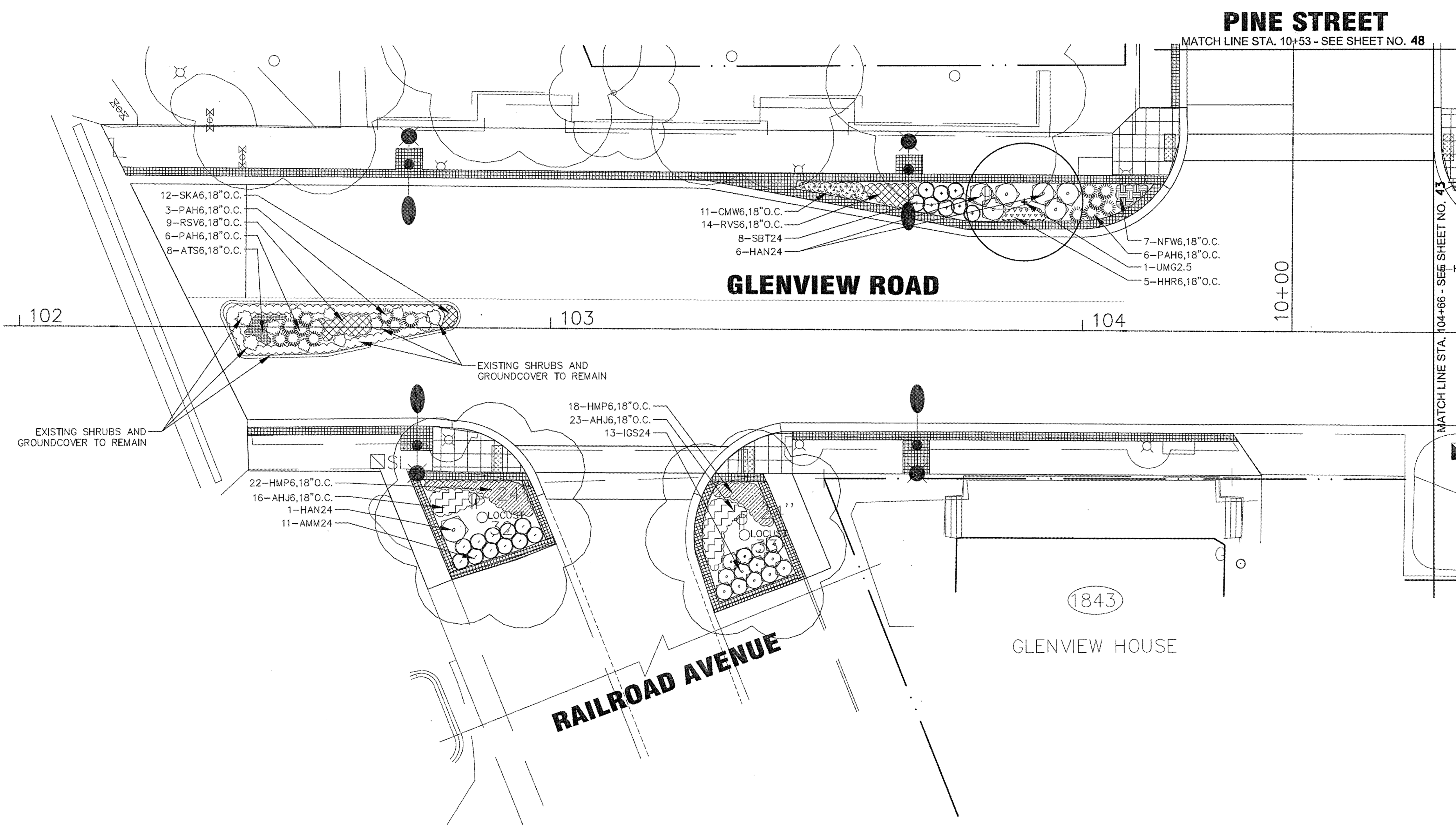
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING AND PAVEMENT MARKING PLAN

SCALE: 1" = 50' STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	41
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61D32		



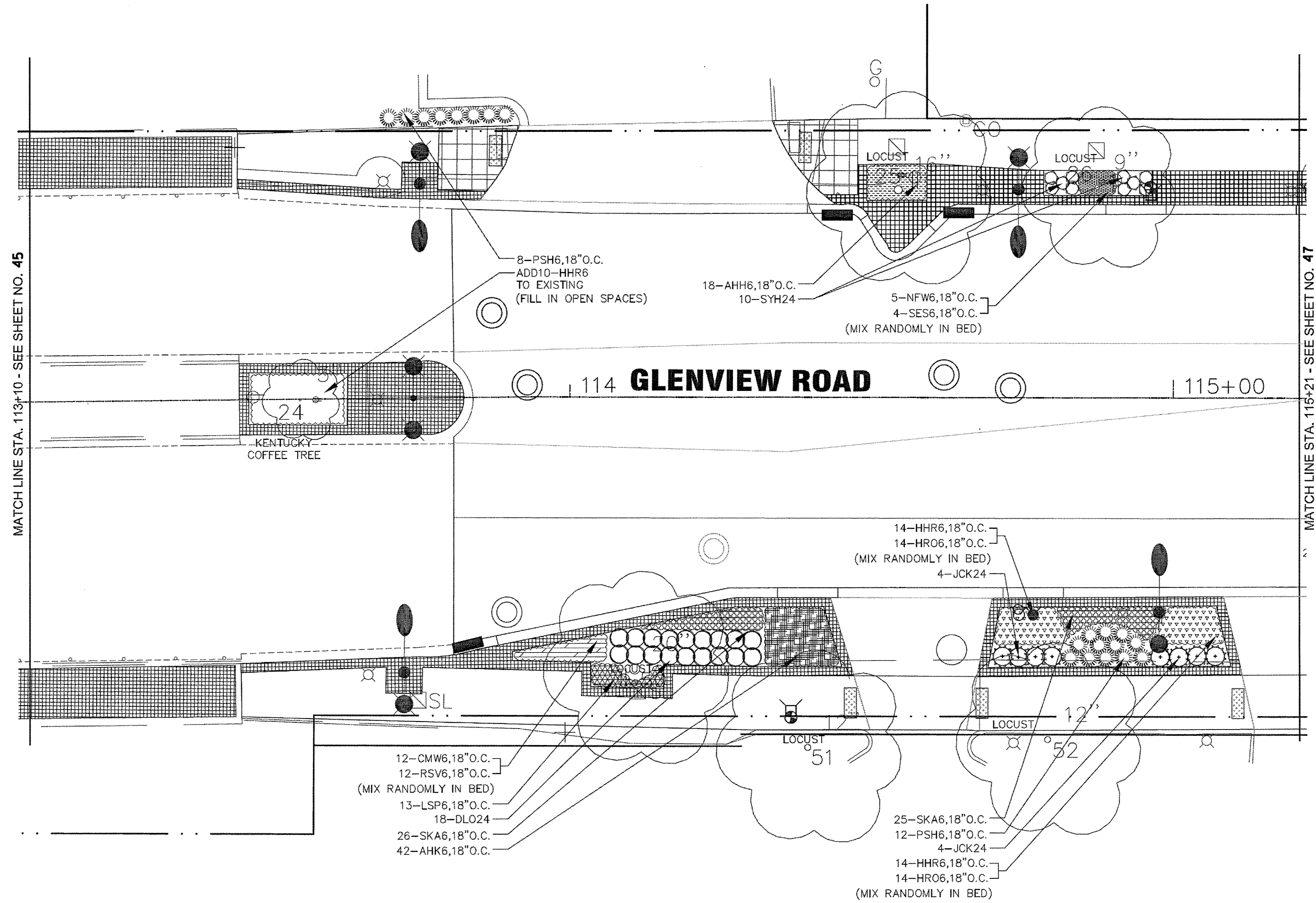
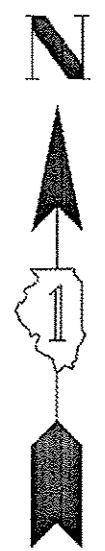
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	42
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	



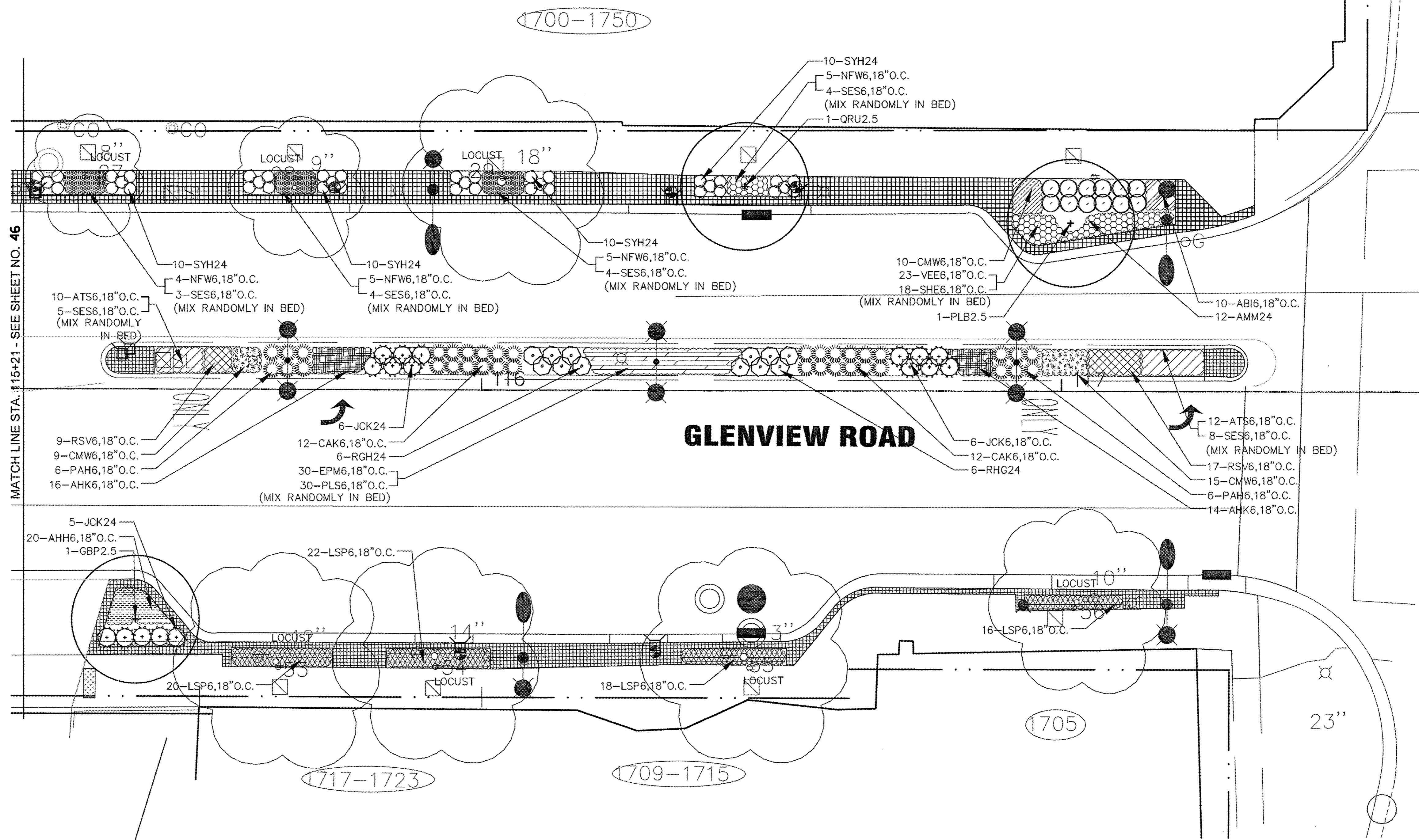
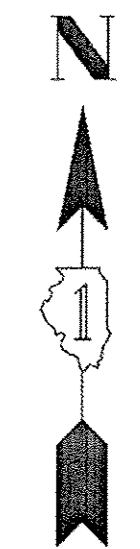
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	46
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61D32				



WAUKEGAN ROAD

GLENVIEW ROAD

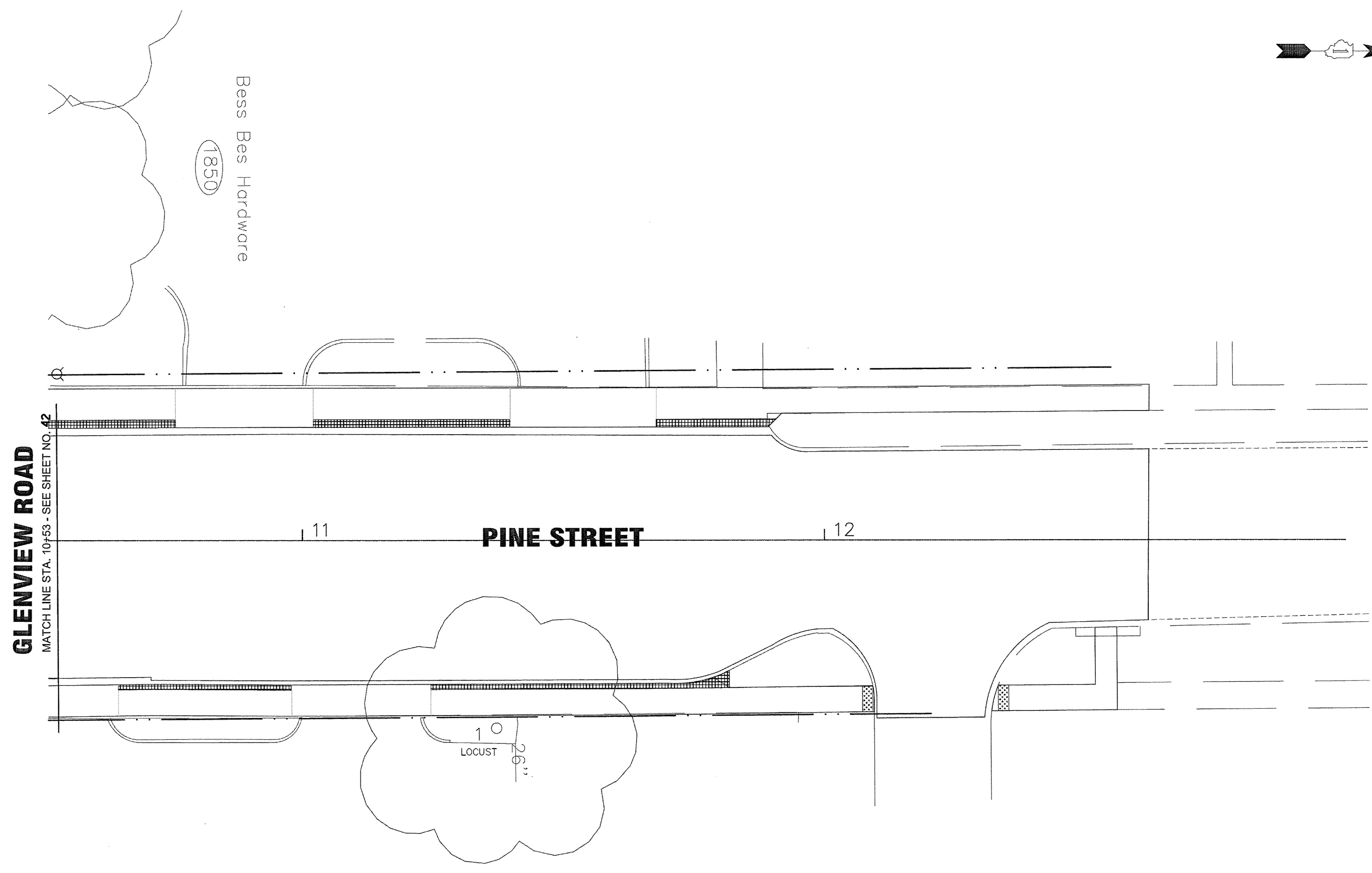
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANDSCAPE PLAN	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	47
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61D32		



GLENVIEW ROAD
MATCH LINE STA. 10+53 - SEE SHEET NO. 42

11

PINE STREET

12

1
LOCUST

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

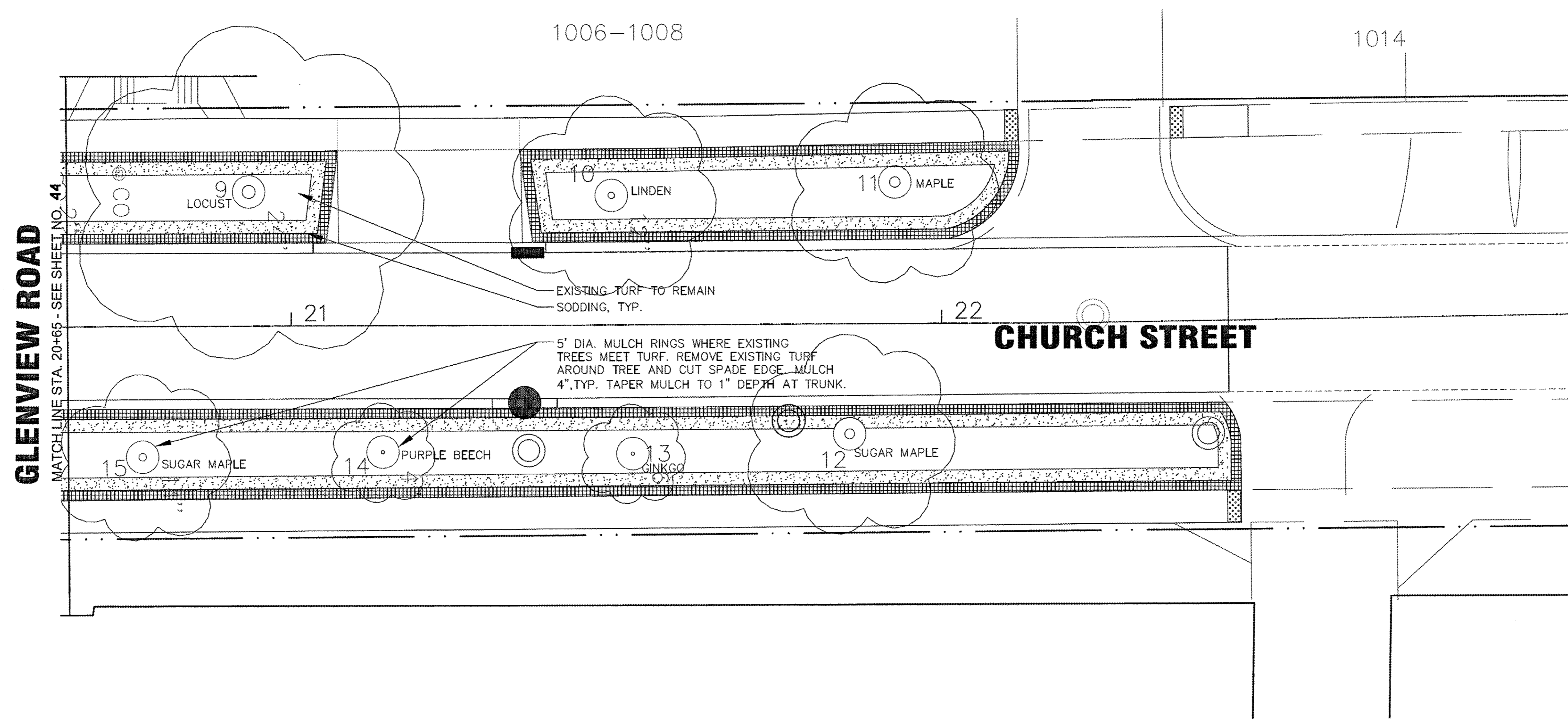
LANDSCAPE PLAN

SCALE: NONE STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	48
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 61D32		



CENZINAS ORIGINALS



GLENVIEW ROAD

CHURCH STREET

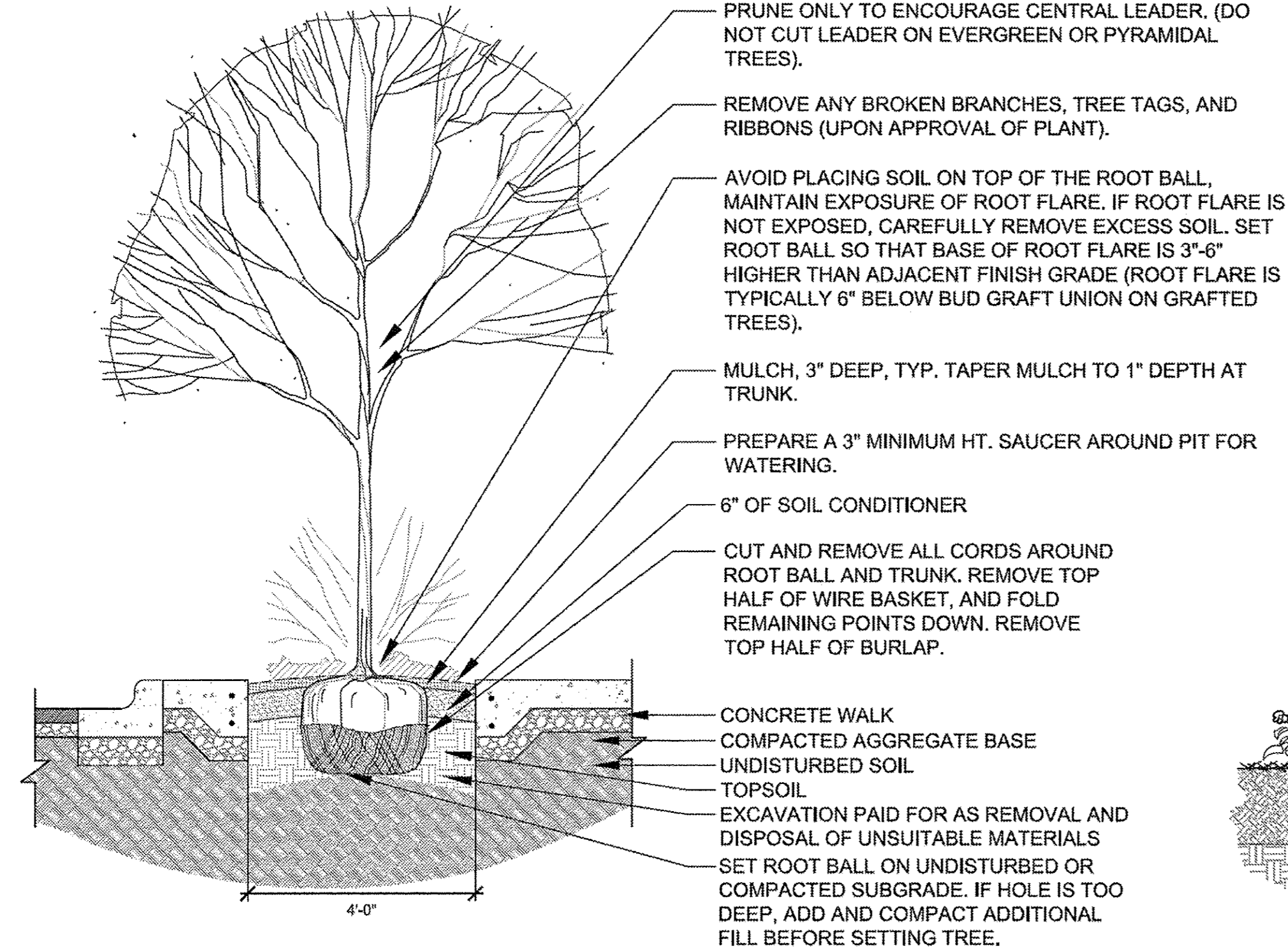
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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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DESIGNED - JFM	REVISED -
DRAWN - MAC	REVISED -
CHECKED - JCC	REVISED -
DATE - 12/05/2016	FILE - 150009-28SHT_Landscaping.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN
 SCALE: NONE
 STA. TO STA.

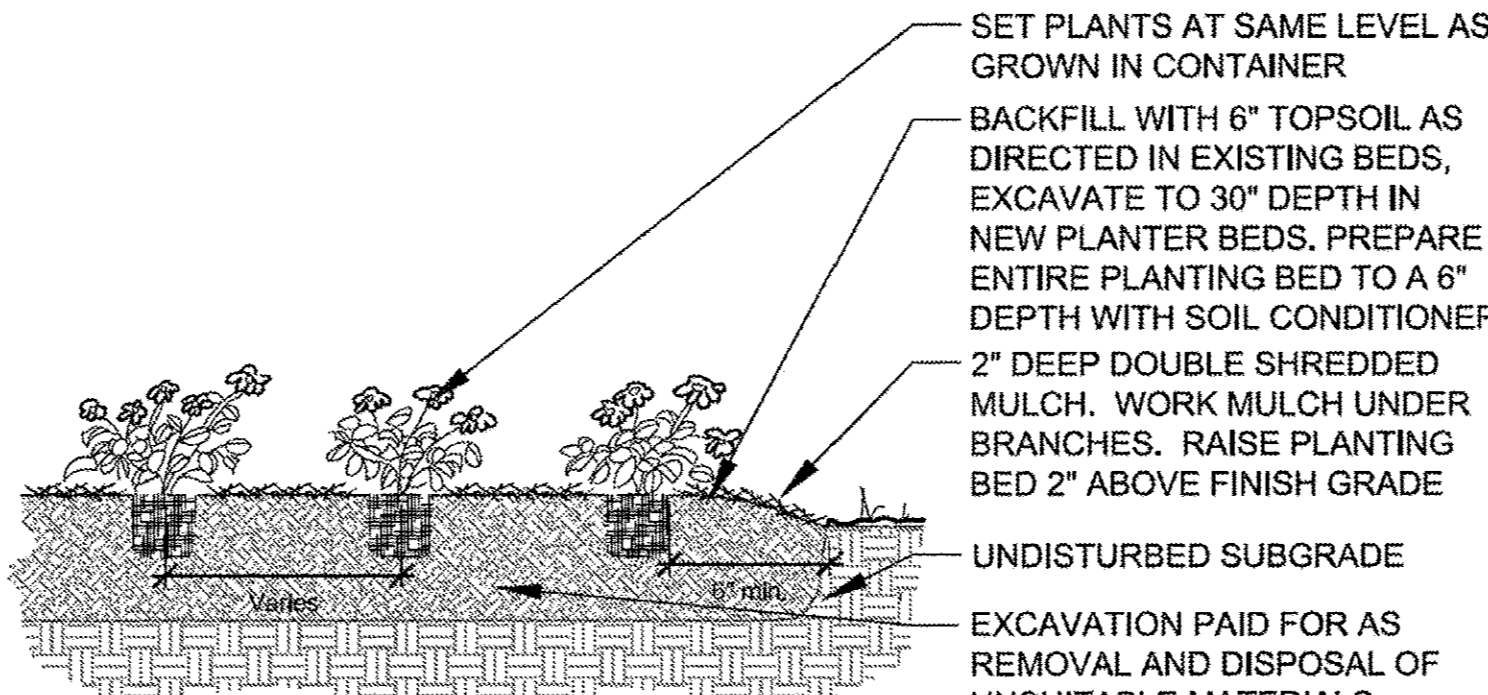
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	49
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61D32				



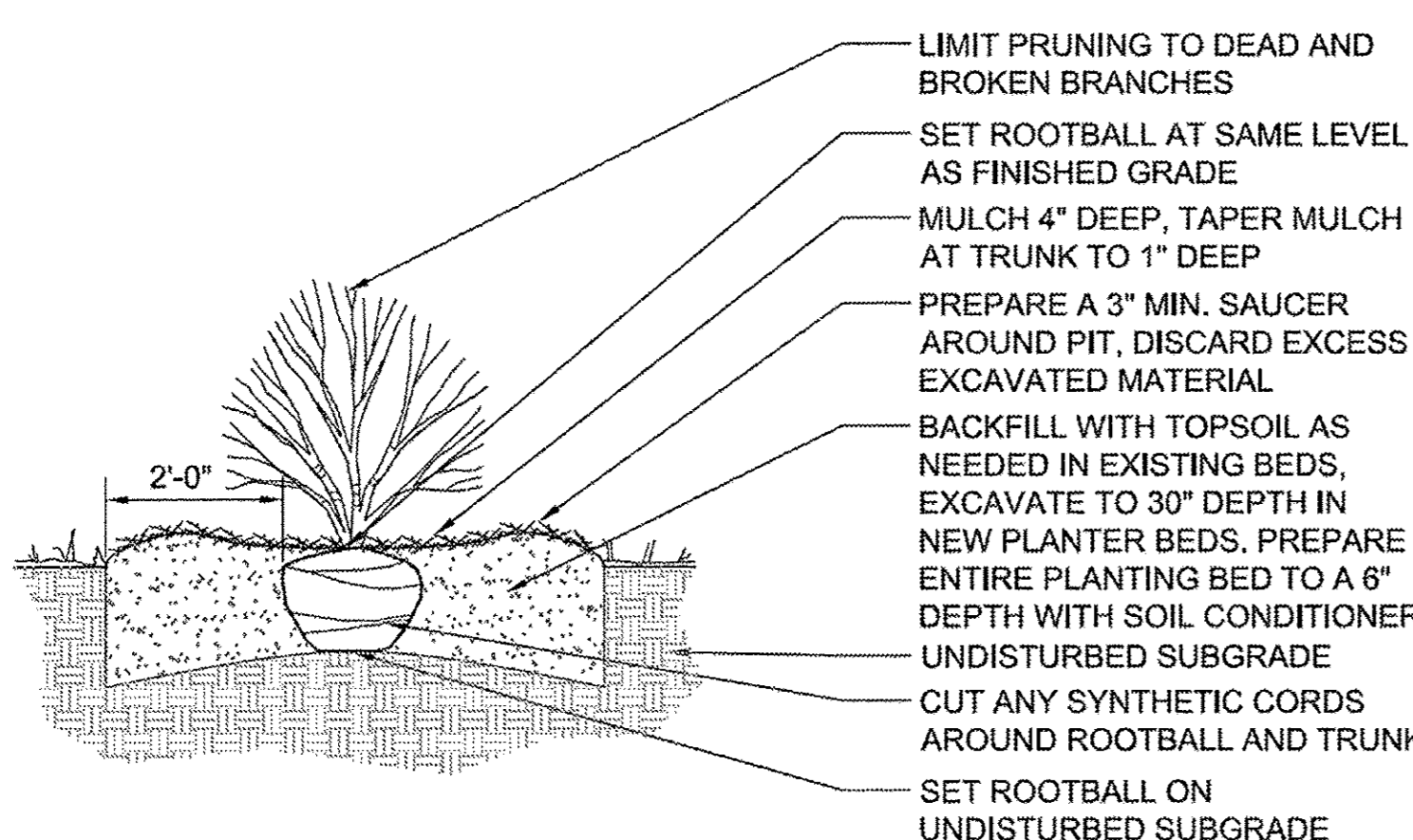
1 DECIDUOUS TREE PLANTING
1/2" = 1'-0"

PLANTING NOTES:

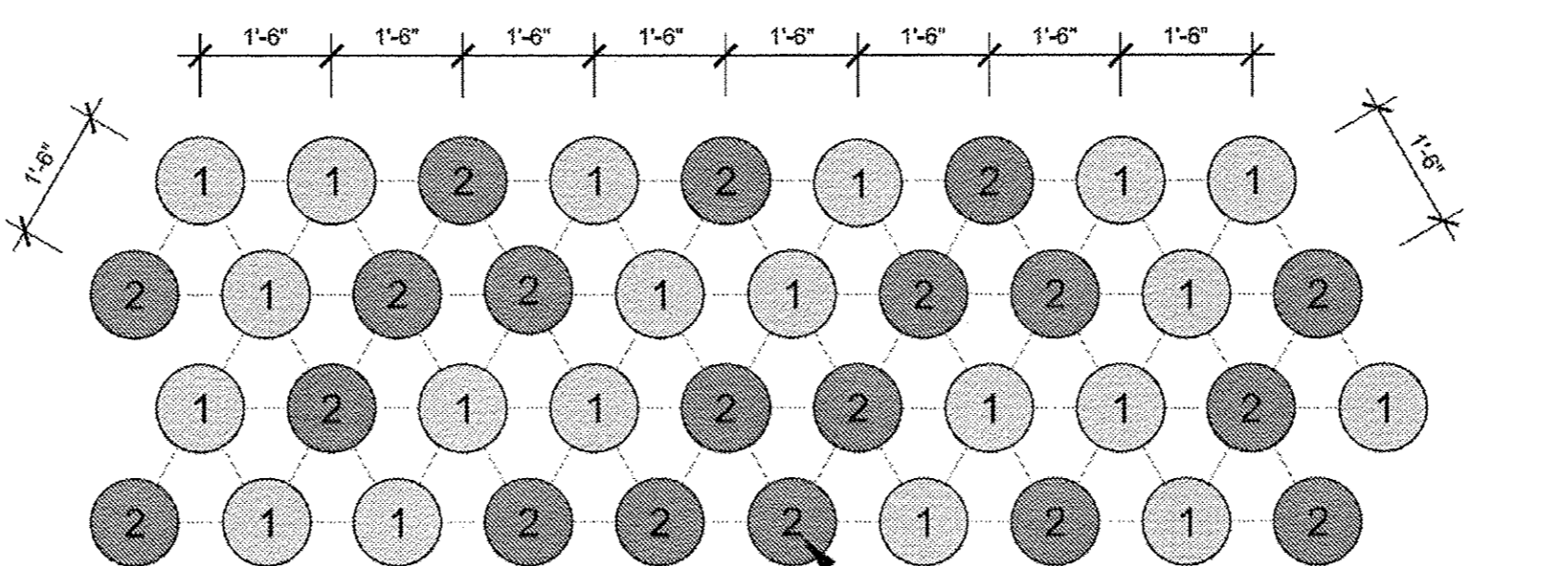
1. QUANTITIES ARE SUMMARIZED FOR THE CONVENIENCE OF THE OWNER ONLY. PAYMENT WILL BE MADE BASED ON ACTUAL QUANTITIES INSTALLED AS MEASURED BY THE ENGINEER.
2. LAYOUT OF ALL PLANT MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
3. REMOVE AND DISPOSE OF UNSUITABLE MATERIALS FOR ALL PLANTER BEDS TO A DEPTH OF: 6 INCHES IN EXISTING PLANT BEDS, 4 INCHES IN ALL SOD AREAS, 18 INCHES IN NEW PLANTER BEDS (WITH NO TREE), 30 INCHES IN NEW PLANTER BEDS WITH NEW SHADE TREES. BACKFILL WITH TOPSOIL AND AMEND TOP 6 INCHES WITH SOIL CONDITIONER.
4. PREPARE EXISTING PLANTING BEDS, WHERE NEW PLANT MATERIAL IS PROPOSED, BY REMOVING POOR QUALITY PLANTS AS DIRECTED BY ENGINEER, WEEDING AND REPLENISHING TOPSOIL AS NEEDED. AMEND TOP 6 INCHES WITH SOIL CONDITIONER.
5. ALL BEDS TO BE MULCHED WITH A 4 INCH DEPTH OF SHREDDED BARK MULCH.



3 PERENNIAL PLANTING
1/2" = 1'-0"



2 SHRUB PLANTING
1/2" = 1'-0"



4 PERENNIAL SPACING AND PLANTING PATTERN
1/2" = 1'-0"

PLANT MATERIAL LIST:

Code	Botanical Name	Common Name	Size	Qty
Shade Trees				
AFB2.5	Acer x freemanii 'Autumn Blaze'	Autumn Blaze Freeman Maple	2 1/2" C	4
CCH2.5	Celtis occidentalis 'Chicagoland'	Chicagoland Hackberry	2 1/2" C	1
GBP2.5	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo	2 1/2" C	1
GTS2.5	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Thornless Honeylocust	2 1/2" C	1
GDE2.5	Gymnocladus dioicis 'Espresso-JFS'	Espresso Kentucky Coffeetree	2 1/2" C	1
PLB2.5	Platanus x acerifolia 'Bloodgood'	Bloodgood London Planetree	2 1/2" C	1
QRU2.5	Quercus rubra	Red Oak	2 1/2" C	1
UMG2.5	Ulmus 'Morton Glossy'	Triumph Elm	2 1/2" C	2

Code	Botanical Name	Common Name	Size	Qty
Deciduous Shrubs				
AMM24	Aronia melanocarpa 'Morton'	Iroquois Beauty™ Black Chokeberry*	24" HT	28
DLO24	Diervilla lonicera	Dwarf Bush-honeysuckle	24" HT	28
HAN24	Hydrangea arbor. 'Annabelle'	Annabelle Smooth Hydrangea	24" HT	23
RHC24	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	24" HT	20
RAL24	Ribes alpinum	Alpine Currant	24" W	15
SBT24	Spiraea betulifolia 'Tor'	Tor Birchleaf Spirea	24" HT	25
SYH24	Symphoricarpos x chenaultii 'Hancock'	Hancock Chenault Coralberry	24" HT	104
SMP24	Syringa meyeri 'Palibin'	Dwarf Meyer Lilac	24" HT	3

Code	Botanical Name	Common Name	Size	Qty
JCK24	Juniperus chinensis 'Kallay Compact'	Kallay Compact Chinese Juniper	24" W	42

Code	Botanical Name	Common Name	Size	Qty
IGS24	Ilex glabra 'Shamrock'	Shamrock Inkberry	24" HT	26

Code	Botanical Name	Common Name	Size	Qty
Perennials				
ATS6	Allium tanguticum 'Summer Beauty'	Summer Beauty Ornamental Chive	1 GAL	68
ABI6	Amsonia 'Blue Ice'	Blue Ice Bluestars	1 GAL	37
AHK6	Amsonia hubrichtii 'Halfway to Arkansas'	'Halfway to Arkansas' Narrow Leaf Blue Star	1 GAL	96
AHH6	Anemone sylvestris	Snowdrop Anemone	1 GAL	74
AHJ5	Anemone x 'Honorable Jobert'	White Anemone	1 GAL	94
CAK6	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 GAL	47
CMW6	Calamintha nepeta 'Montrose White'	Montrose White Calamint	1 GAL	100
EPH6	Echinacea purpurea 'Magnus'	Magnus Purple Coneflower	1 GAL	54
HRH6	Hemerocallis 'Happy Returns'	Happy Returns Daylily	1 GAL	154
HRG6	Hemerocallis 'Rosy Returns'	Rosy Returns Daylily	1 GAL	119
HMP6	Heuchera micrantha 'Palace Purple'	Small Flowered Coral Bells	1 GAL	60
HOG6	Hosta 'Guacamole'	Guacamole Hosta	1 GAL	53
HJU6	Hosta 'June'	June Hosta	1 GAL	51
LSP6	Liriope spicata	Creeping Lilyturf	1 GAL	95
NFW6	Neopeta x faassenii 'Walker's Low'	Walker's Low Catmint	1 GAL	50
PSH6	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1 GAL	28
PAH6	Pennisetum alopecuroides 'Hamelin'	Hamelin Dwarf Fountain Grass	1 GAL	33
PLS6	Perovskia atriplicifolia 'Little Spire'	Little Spire Russian Sage	1 GAL	40
RSV6	Rudbeckia speciosa 'Viette's Little Suzy'	Viette's Little Suzy Black-eyed Susan	1 GAL	71
SKA6	Sedum kamtschaticum	Kamchatka Stonecrop	1 GAL	79
SES6	Sesleria autumnalis	Autumn Moor Grass	1 GAL	101
SHE6	Sporobolus heterolepis	Prairie Dropseed	1 GAL	66
VEE6	Veronica 'Eveline'	Eveline Speedwell	1 GAL	80

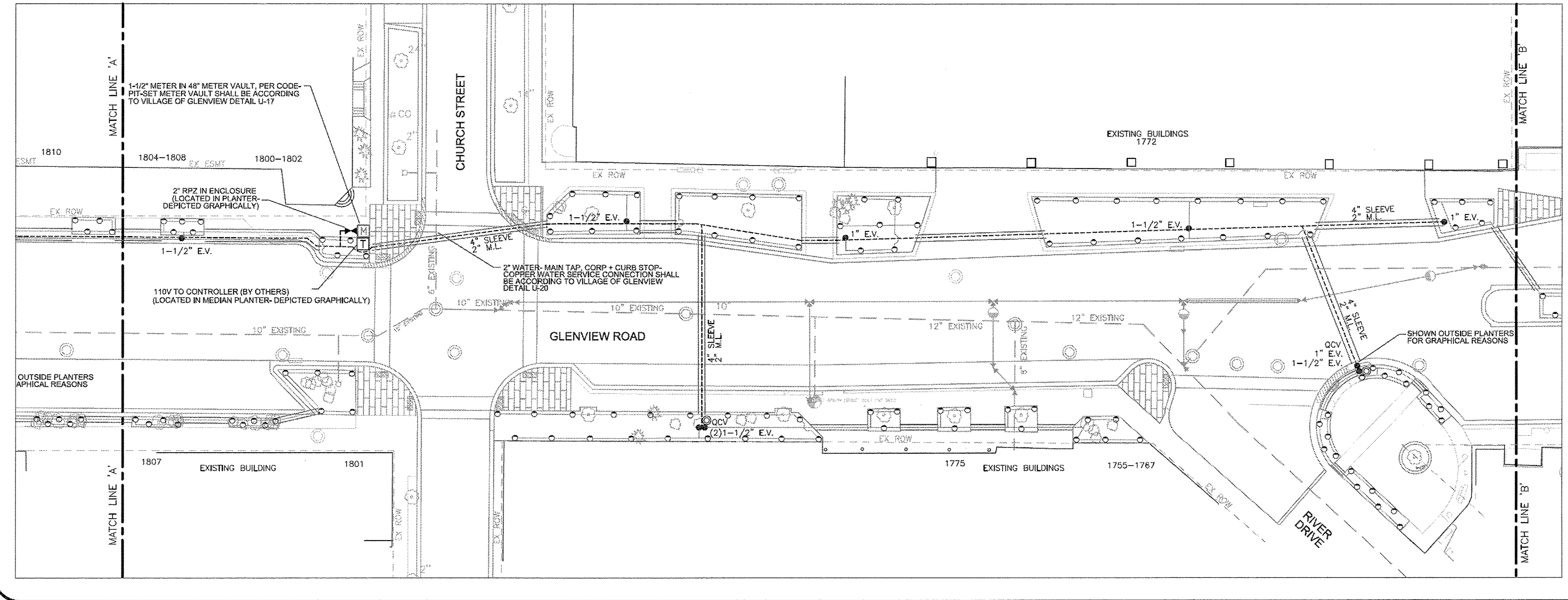
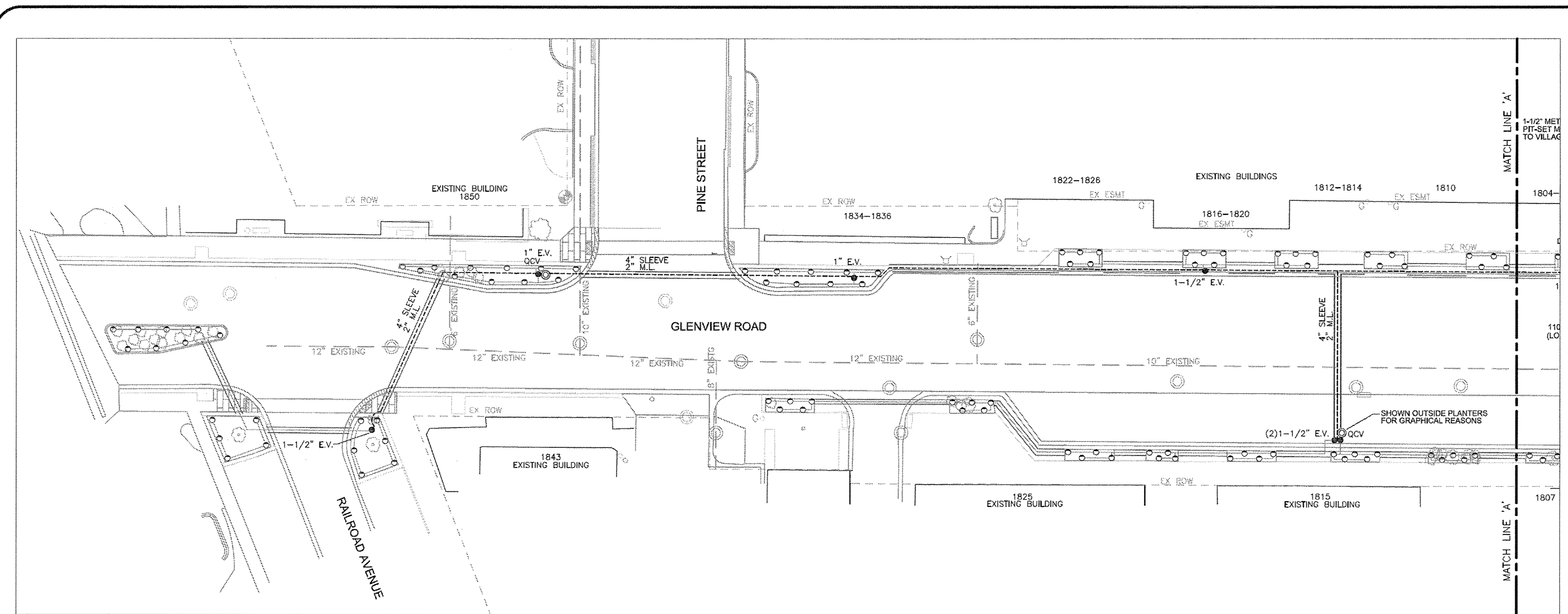
ALL PERENNIALS TO BE PAID FOR AS PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (1 UNIT = 100 PLANTS)

TOTAL PERENNIALS: 1,650
TOTAL UNITS: 16,500

EXISTING TREES:

NO.	SPECIES	CONDITION	NOTES	NO.	SPECIES	CONDITION	NOTES
1	LOCUST	GOOD	PRESERVE	29	LOCUST	FAIR	PRESERVE
2	LOCUST	GOOD	PRESERVE	30	ASH	POOR	REMOVE
3	LOCUST	GOOD	REMOVE	31	LOCUST	POOR	REMOVE
4	LOCUST	GOOD/FAIR	PRESERVE	32	LOCUST	GOOD	PRESERVE
5	PEAR	GOOD	REMOVE	33	LOCUST	GOOD	PRESERVE
6	PEAR	GOOD	REMOVE	34	HACKBERRY	DEAD	REMOVE
7	PEAR	GOOD	REMOVE	35	HACKBERRY	GOOD	PRESERVE
8	KENTUCKY COFFEE TREE	GOOD	PRESERVE	36	LINDEN	GOOD	PRESERVE
9	LOCUST	GOOD	PRESERVE	37	LINDEN	GOOD	PRESERVE
10	LINDEN	GOOD	PRESERVE	38	BUR OAK	GOOD	PRESERVE
11	MAPLE	GOOD/FAIR	PRESERVE	39	BUR OAK	GOOD	PRESERVE
12	SUGAR MAPLE	GOOD	PRESERVE	40	BUR OAK	GOOD	PRESERVE
13	GINKO	GOOD	PRESERVE	41	HACKBERRY	GOOD	PRESERVE
14	PURPLE BEECH	GOOD	PRESERVE	42	HACKBERRY	GOOD	PRESERVE
15	SUGAR MAPLE	FAIR	PRESERVE	43	LOCUST	GOOD	PRESERVE
16	FREEMAN MAPLE	GOOD	PRESERVE	44	LOCUST	GOOD	PRESERVE
17	LOCUST	GOOD	PRESERVE	45	LINDEN	FAIR/POOR	PRESERVE
18	LOCUST	GOOD/FAIR	PRESERVE	46	LOCUST	FAIR	PRESERVE
19	LOCUST	GOOD	PRESERVE	47	HACKBERRY	FAIR	PRESERVE
20	LOCUST	GOOD	PRESERVE	48	LOCUST	GOOD	PRESERVE
21	LOCUST	GOOD	PRESERVE	49	GINKO	GOOD	PRESERVE
22	RED MAPLE	GOOD/FAIR	PRESERVE	50	LOCUST	GOOD	PRESERVE
23	ASH	POOR	REMOVE	51	LOCUST	GOOD	PRESERVE
24	KENTUCKY COFFEE TREE	GOOD	PRESERVE	52	LOCUST	GOOD	PRESERVE
25	LOCUST	FAIR	PRESERVE	53	LOCUST	GOOD/FAIR	PRESERVE
26	LOCUST	GOOD	PRESERVE	54	LOCUST	GOOD/FAIR	PRESERVE
27	LOCUST	GOOD	PRESERVE	55	LOCUST	GOOD/FAIR	PRESERVE
28	LOCUST	GOOD/FAIR	PRESERVE	56	LOCUST	GOOD/FAIR	PRESERVE

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 12/23/2016



SPECIFIED MATERIALS

RAINBIRD ESP4 CONTROLLER	□
FEBCO R25YA RPZ IN LOCKBOX ENCLOSURE	▣
RAINBIRD 1812 SPRAY HEAD (PLANTINGS)	○
BUCKNER QUICK COUPLER VALVES - QCV100	●
RAINBIRD FEB ELECTRIC VALVES	⊙
PVC SDR 21 200# PIPE & SCH 40 FITTINGS	—

SHEET 1 OF 3

HALLORAN & YAUCH, INC.
IRRIGATION SYSTEMS
28322 BALLARD DR.
LAKE FOREST, IL 60045
847-381-9400
FAX: 847-281-9760

PROJECT: IDOT - GLENVIEW ROAD
Between Railroad Ave and Waukegan Rd

LEGEND	SYMBOL	QUANT.
Rotary Head	△	--
Pop up Head	○	--
Shrub Head	○	--
Electric Valve	●	--
QCV	⊙	--
Manual Drains	⊗	--

CAD By: em
Scale: 1"=20'-0"
Date: Shop 11.29.16

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JFM	REVISED -
	DRAWN - MAC	REVISED -
	CHECKED - JCC	REVISED -
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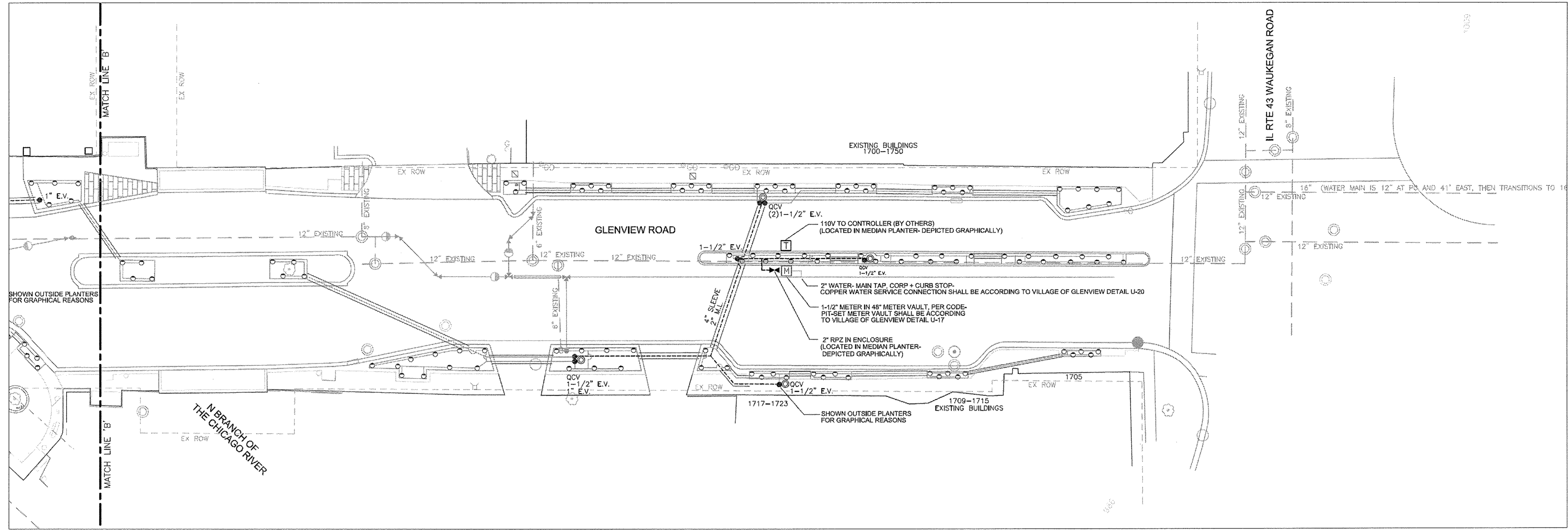
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IRRIGATION PLAN

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	51
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61D32	

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SPECIFIED MATERIALS

RAINBIRD ESP4 CONTROLLER	□
FEBCO 825YA RPZ IN LOCKBOX ENCLOSURE	□
RAINBIRD 1812 SPRAY HEAD (PLANTINGS)	○
BUCKNER QUICK COUPLER VALVES - OCV100	●
RAINBIRD PEB ELECTRIC VALVES	●
PVC SDR 21 200# PIPE & SCH 40 FITTINGS	—

SCHEDULE OF QUANTITIES

NOTE: CONTRACTOR RESPONSIBLE FOR CONFIRMING QUANTITIES + INSTALLING AS REQUIRED.

- 2 - WATER TAPS - COMPLETE
- 2 - METER VAULTS - COMPLETE
- 2 - RPZ BACKFLOW PREVENTERS + ENCLOSURE
- 2 - CONTROLLERS
- 329 - 12" SPRINKLER HEADS
- 20 - ZONE VALVES
- 1600' - MAINLINE PIPING + WIRING + FITTINGS
- 6500' - LATERAL PIPING + FITTINGS
- 1700' - SLEEVING PIPING
- 10 - QUICK COUPLING VALVES

SHEET 2 OF 3

HALLORAN & YAUCH, INC.
 IRRIGATION SYSTEMS
 28322 BALLARD DR.
 LAKE FOREST, IL 60045
 847-351-9400
 FAX: 847-281-9780

PROJECT: IDOT - GLENVIEW ROAD
 Between Railroad Ave and Waukegan Rd

LEGEND	SYMBOL	QUANT.
Rotary Head	△	—
Pop up Head	○	—
Shrub Head	○	—
Electric Valve	●	—
OCV	◎	—
Manual Drains	⊗	—

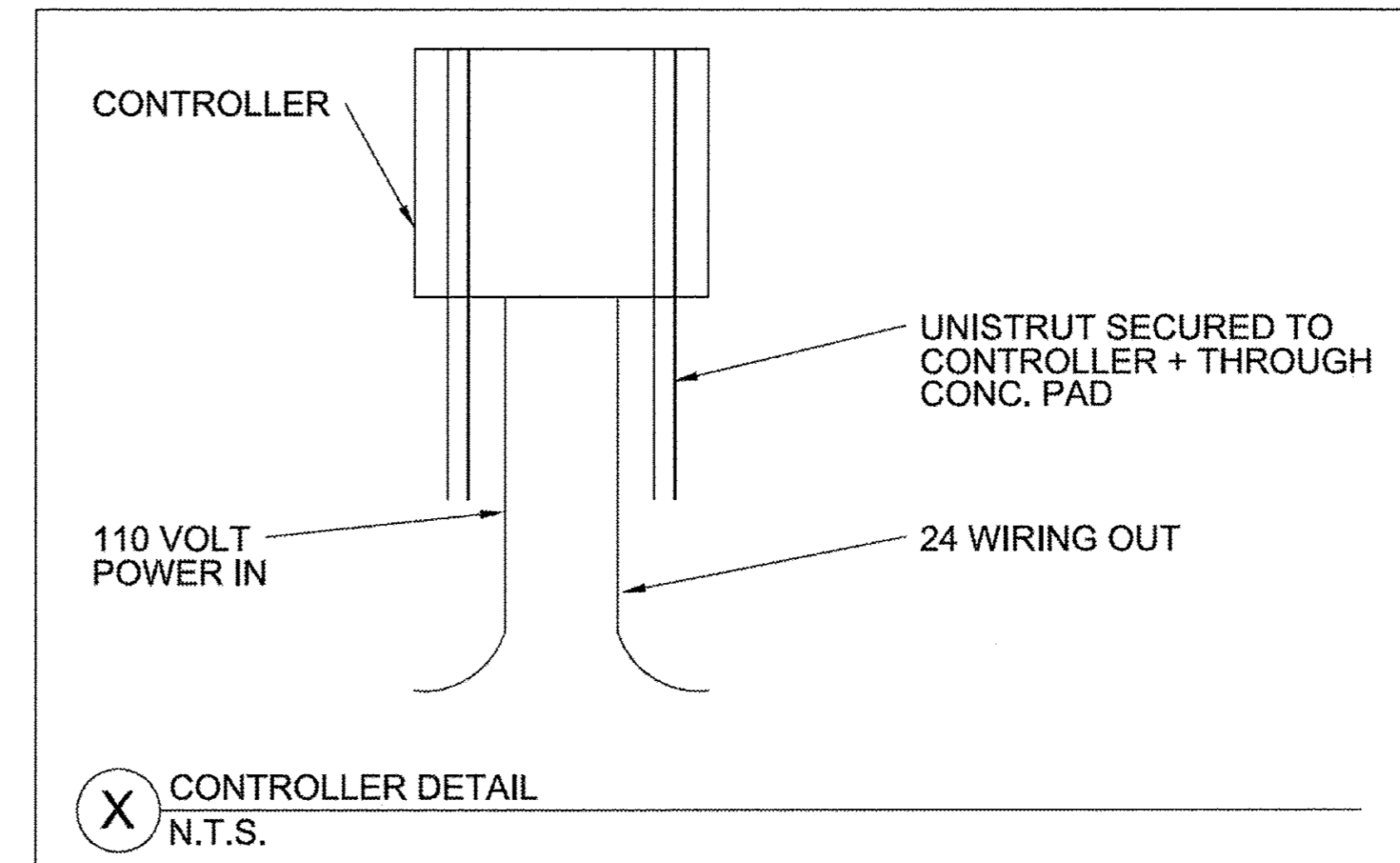
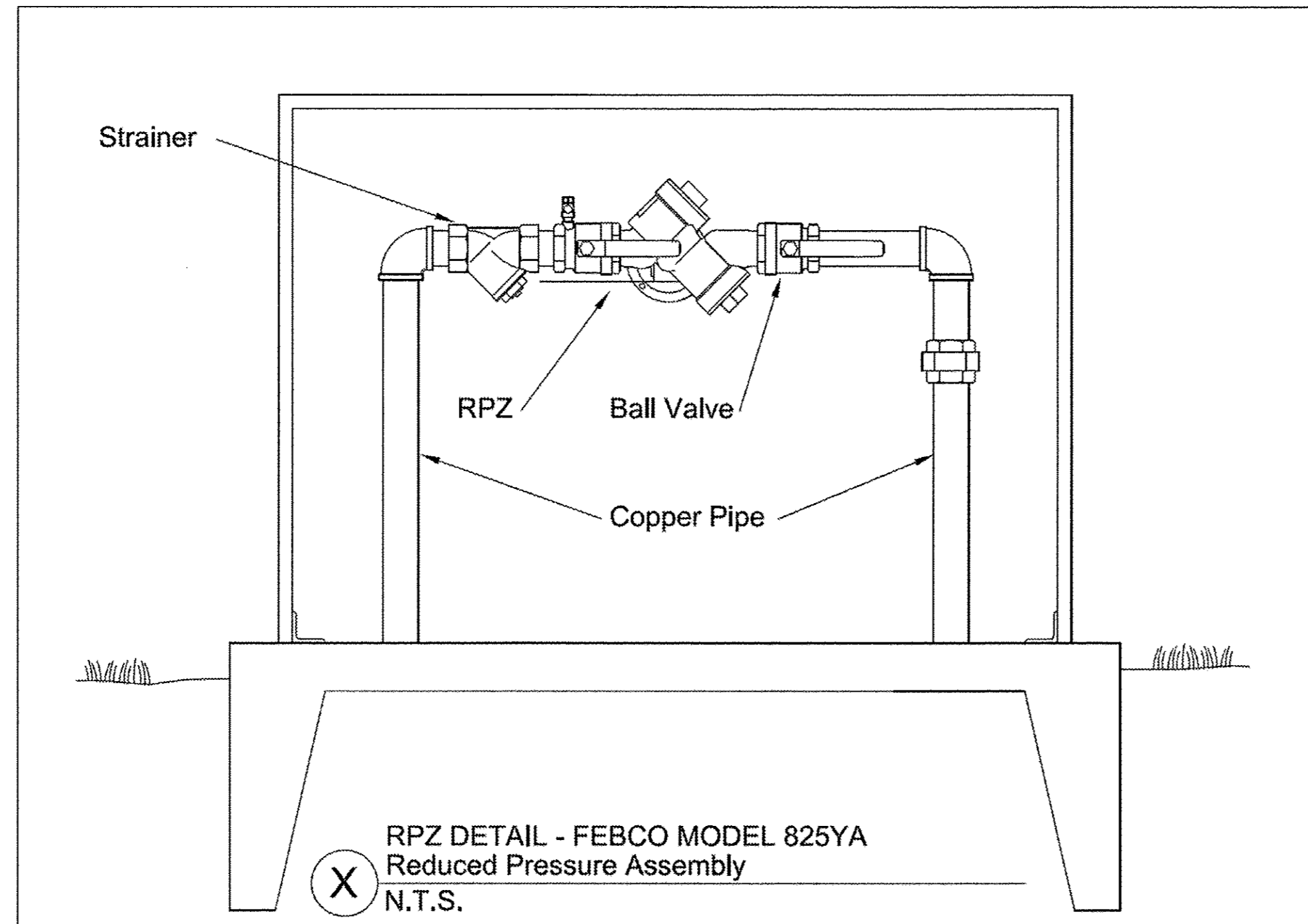
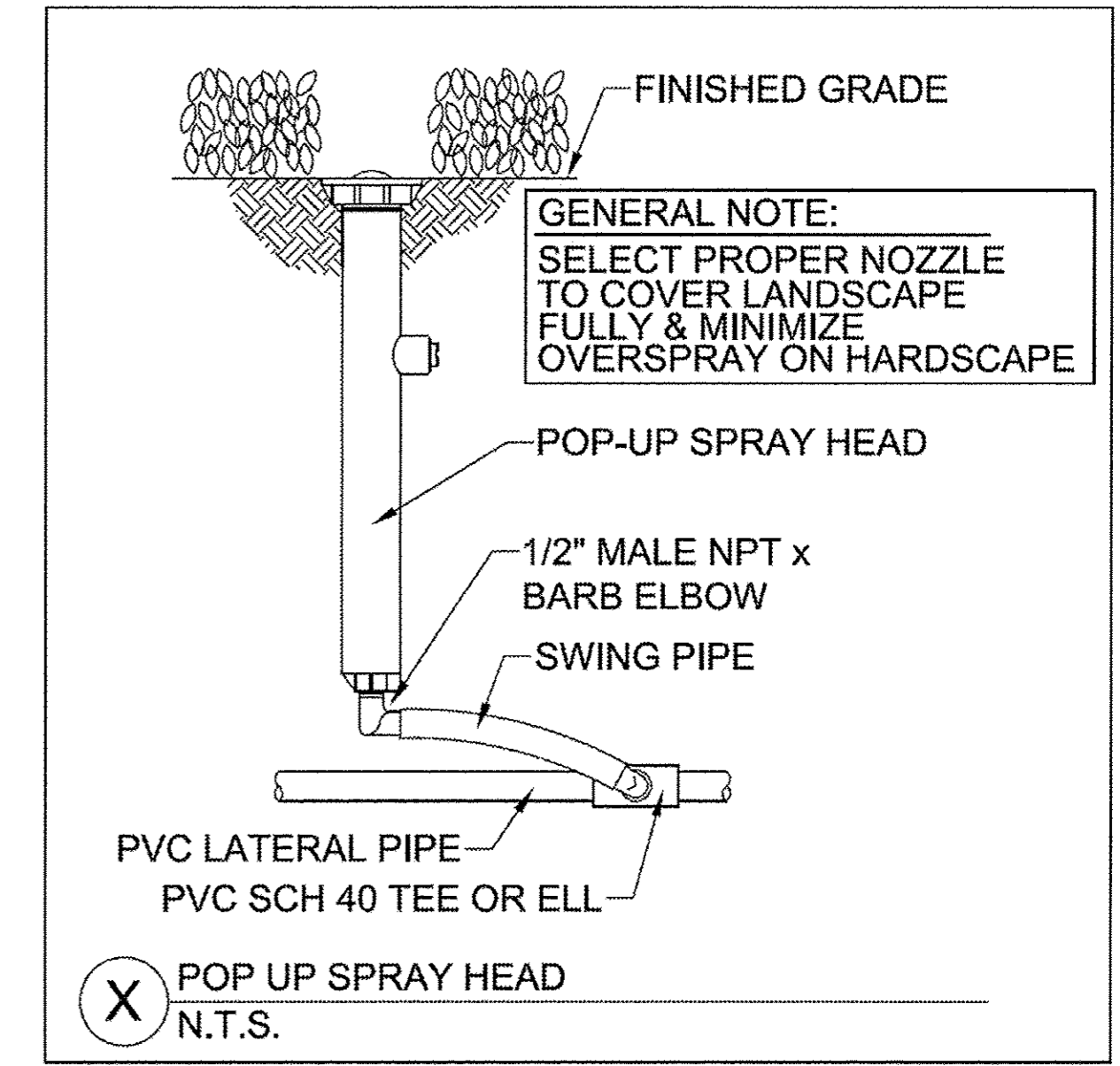
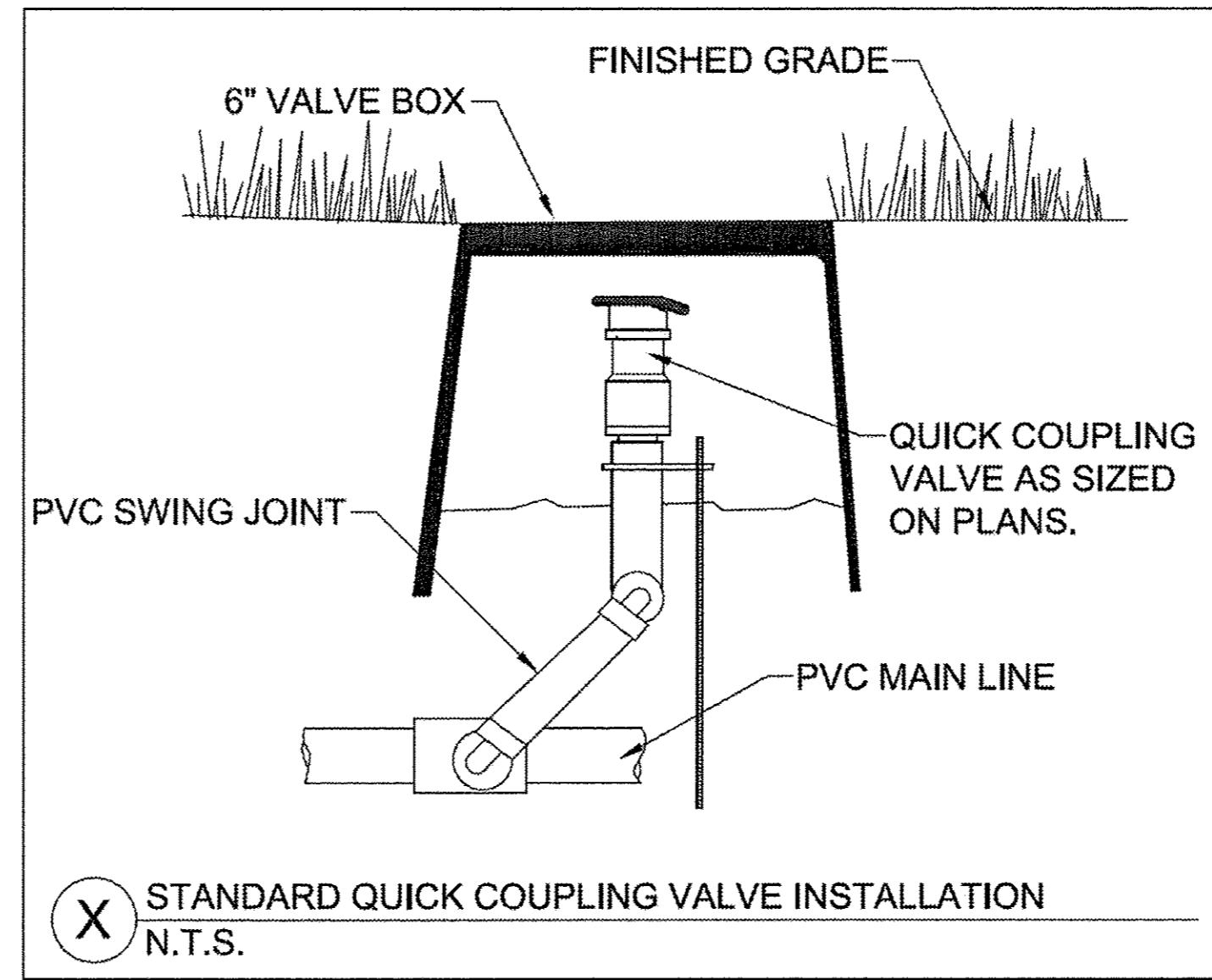
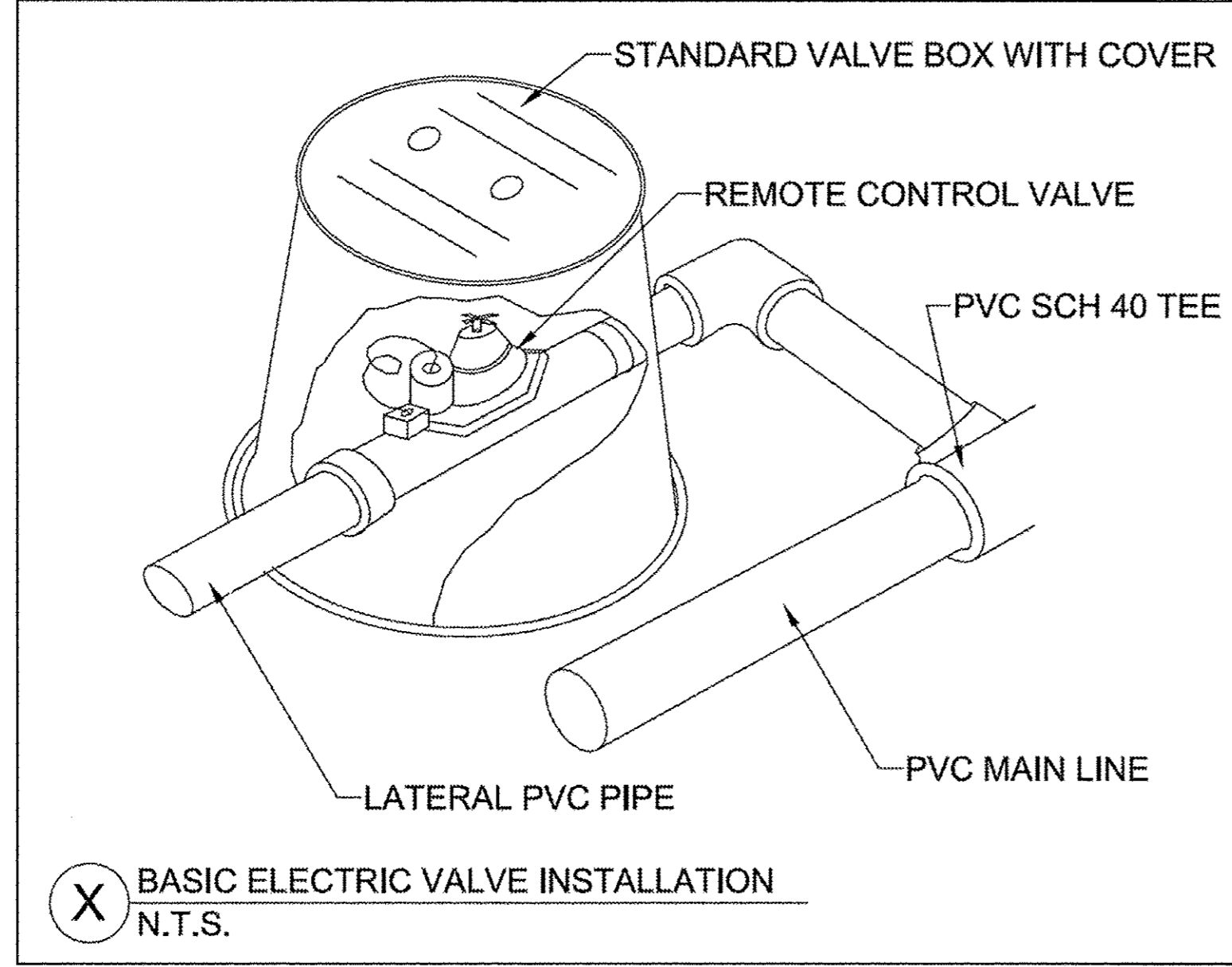
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BAXTER & WOODMAN <small>consulting engineers</small>	DESIGNED - JFM	REVISED -
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	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT_Irrigation.dgn

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IRRIGATION PLAN	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	52
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	



SHEET 3 OF 3

			HALLORAN & YAUCH, INC. IRRIGATION SYSTEMS 28322 BALLARD DR LAKE FOREST, IL 60045 847-281-9400 FAX: 847-281-9780	
PROJECT: IDOT - GLENVIEW ROAD Between Railroad Ave and Waukegan Rd				
	LEGEND	SYMBOL	QUANT.	
	Rotary Head	△	—	
	Pop up Head	○	—	
	Shrub Head	○	—	
CAD By:	em	Electric Valve	●	—
Scale:	None	QCV	◎	—
Date:	Shop 11.29.16	Manual Drains	⊗	—

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BAXTER & WOODMAN	DESIGNED - JFM	REVISED -
<i>consulting engineers</i>	DRAWN - MAC	REVISED -
	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT-IRRI...dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IRRIGATION PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	53
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 61D32

SCALE: NONE STA. TO STA.

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

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

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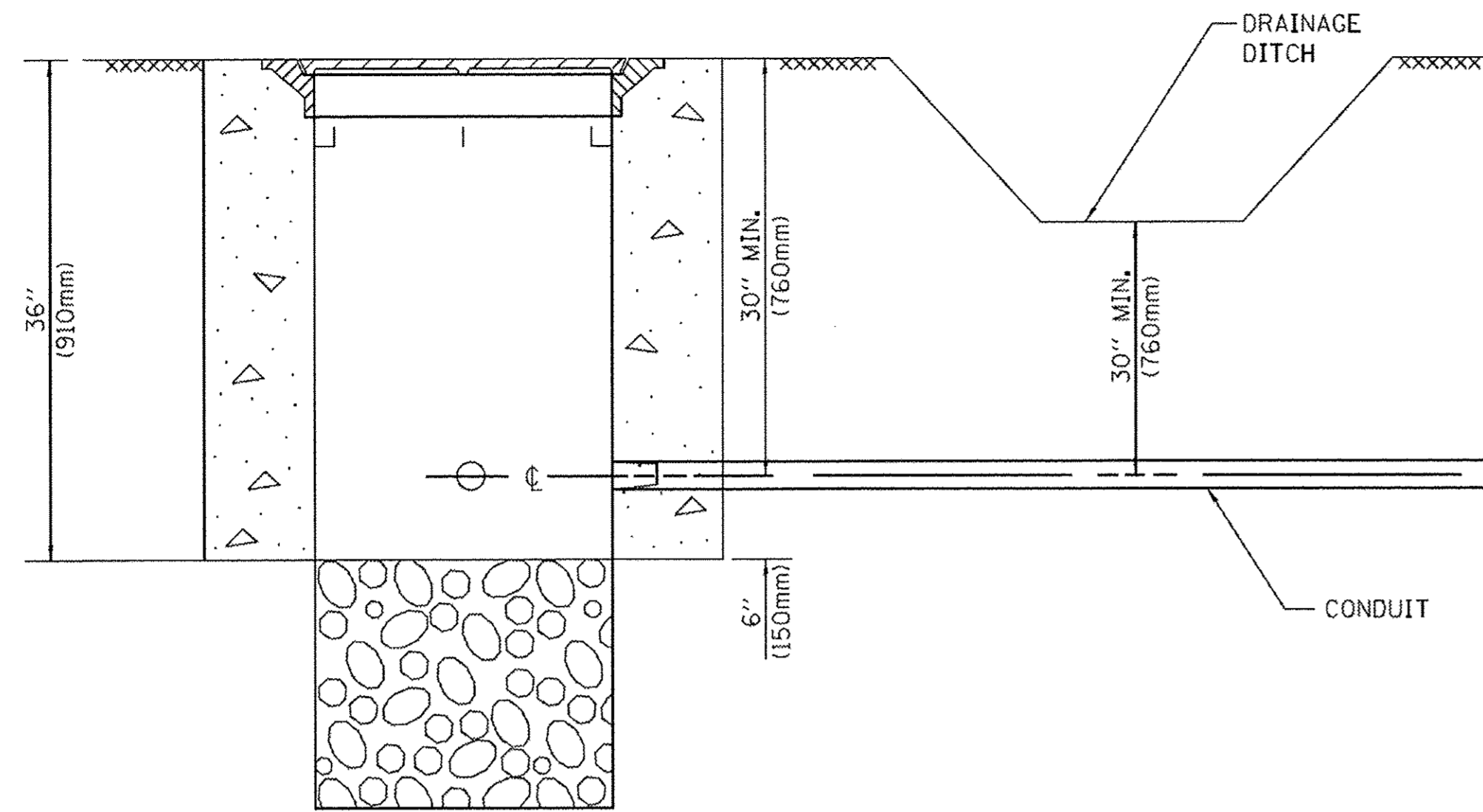
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET 1 OF 7 SHEETS STA. TO STA.

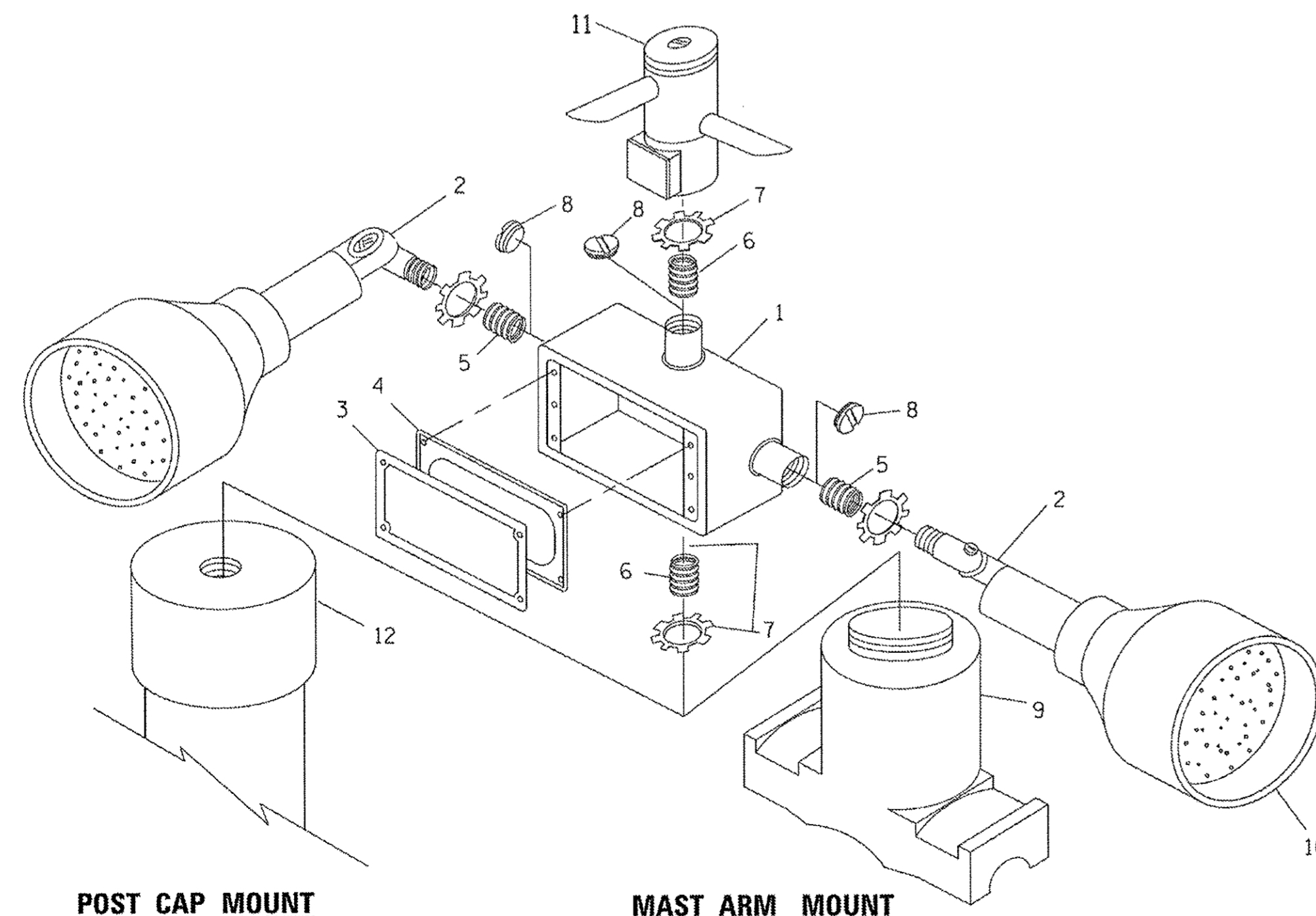
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	54
TS-05		CONTRACT NO. 61032		
ILLINOIS FED. AID PROJECT				



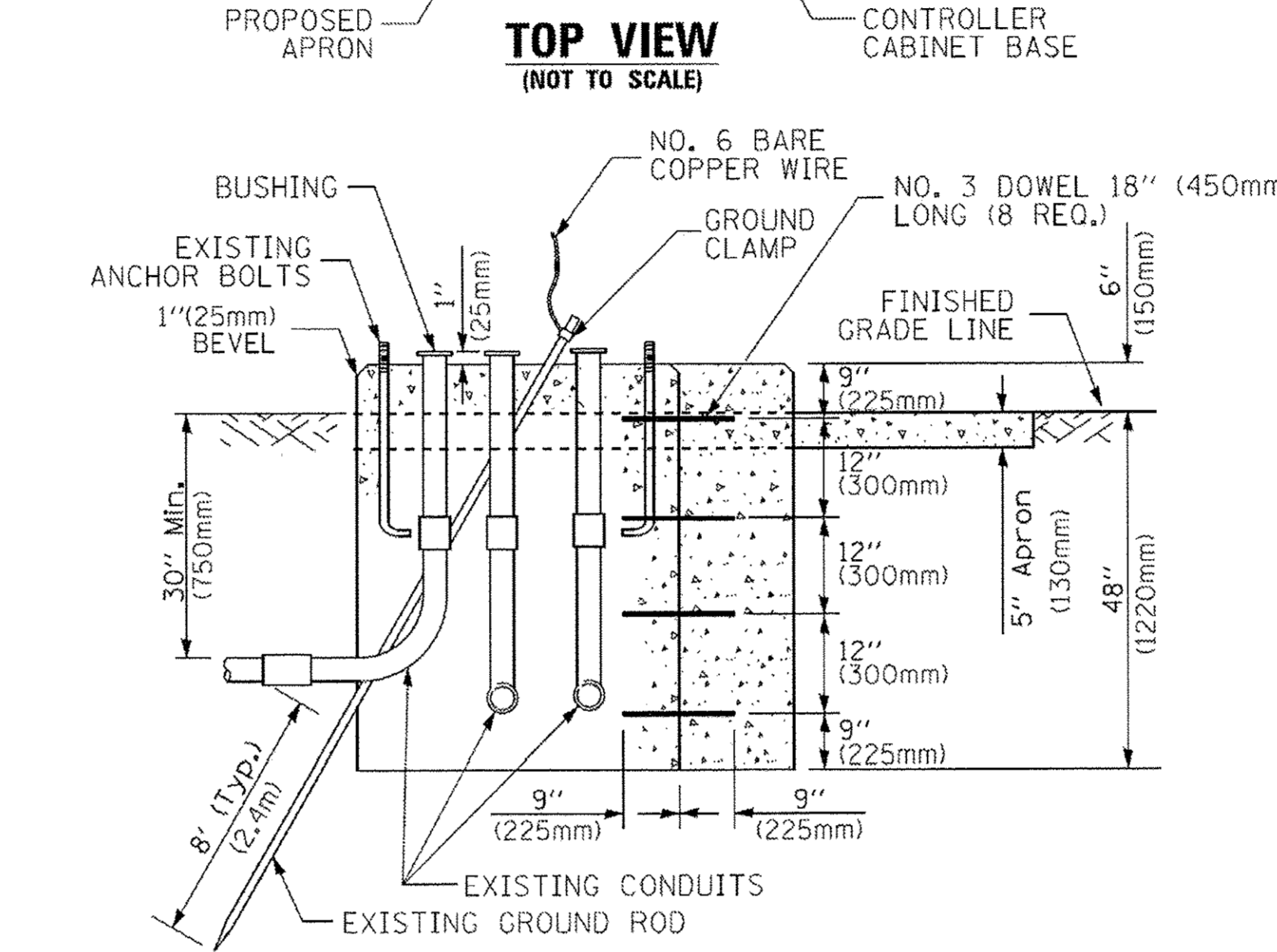
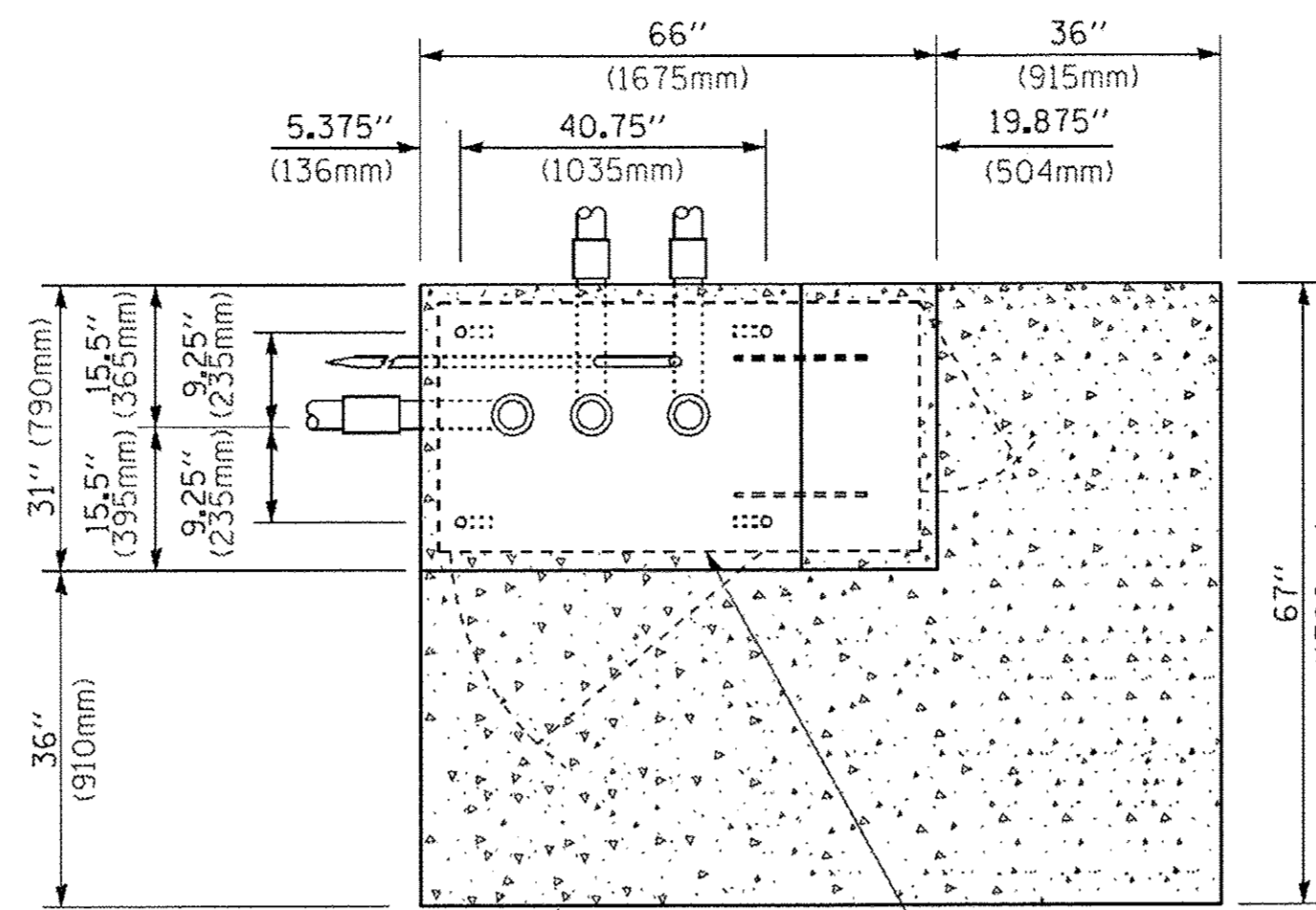
NOTES:

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

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

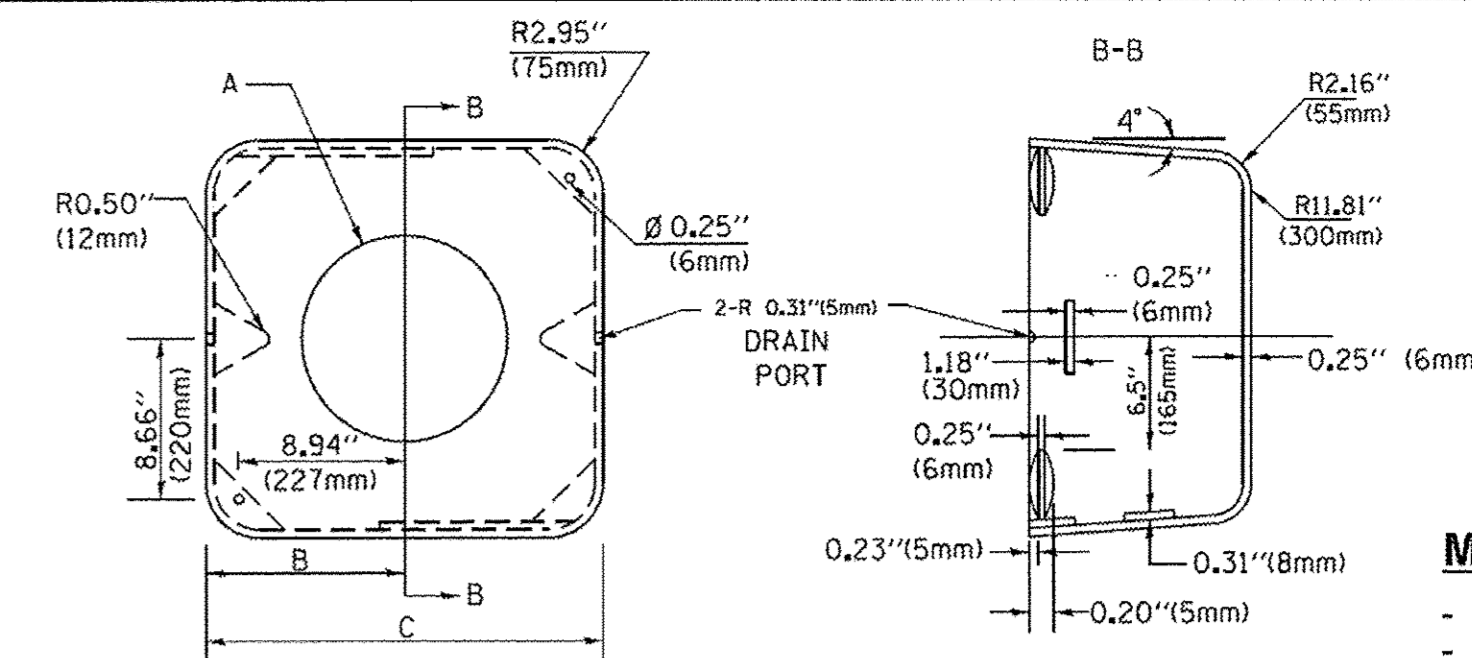


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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

NOTES:

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



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

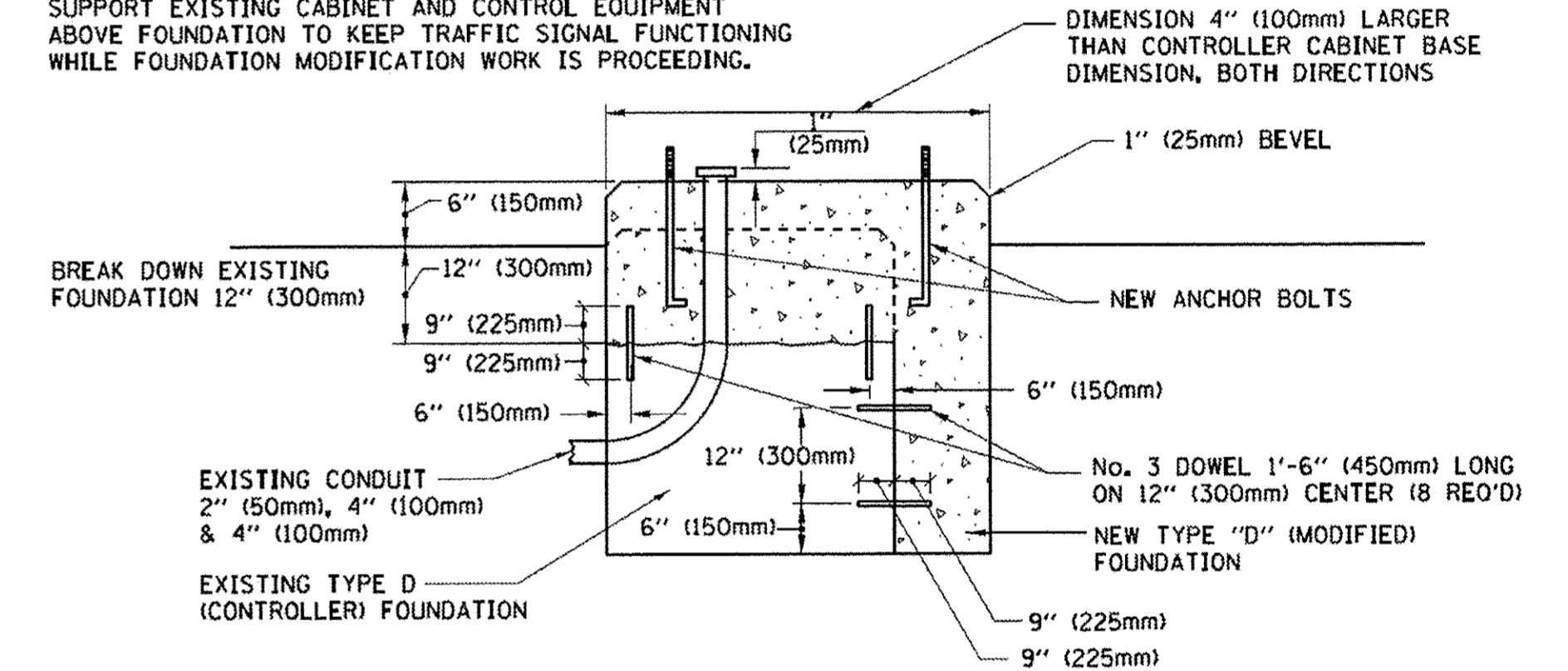
SHROUD

NOTES:

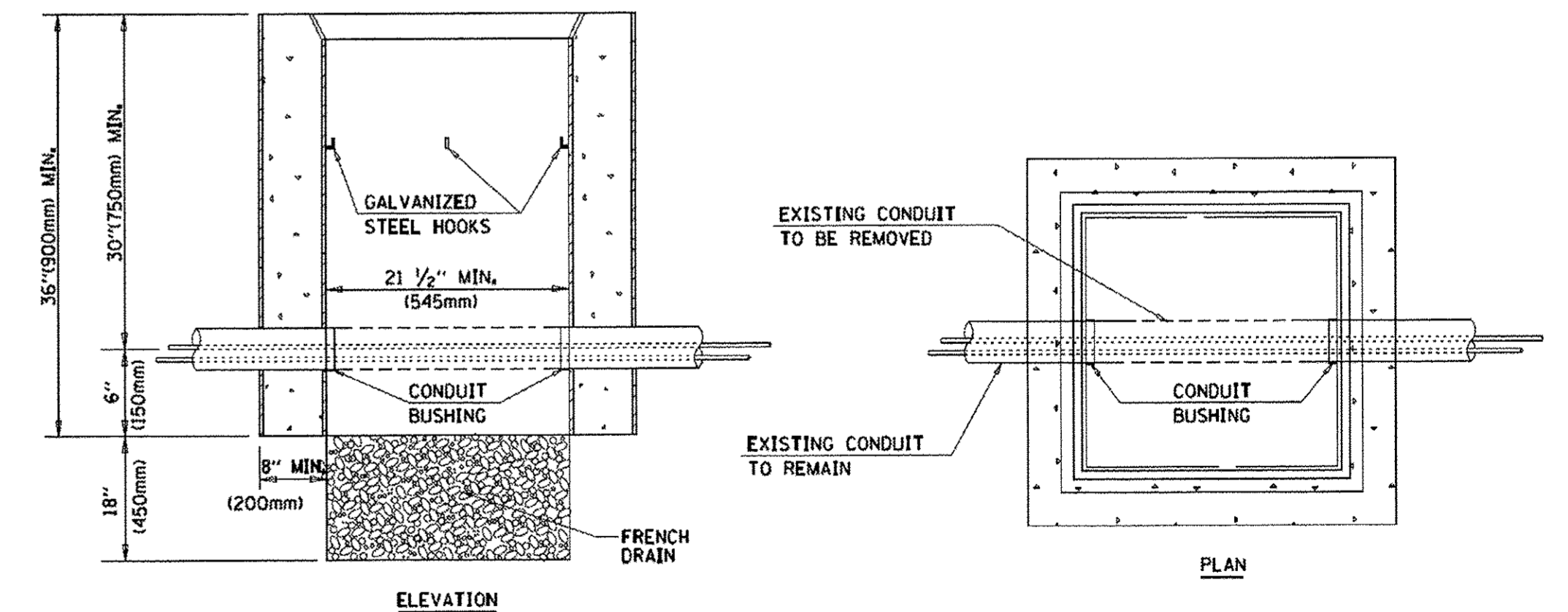
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

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



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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 12/29/2016

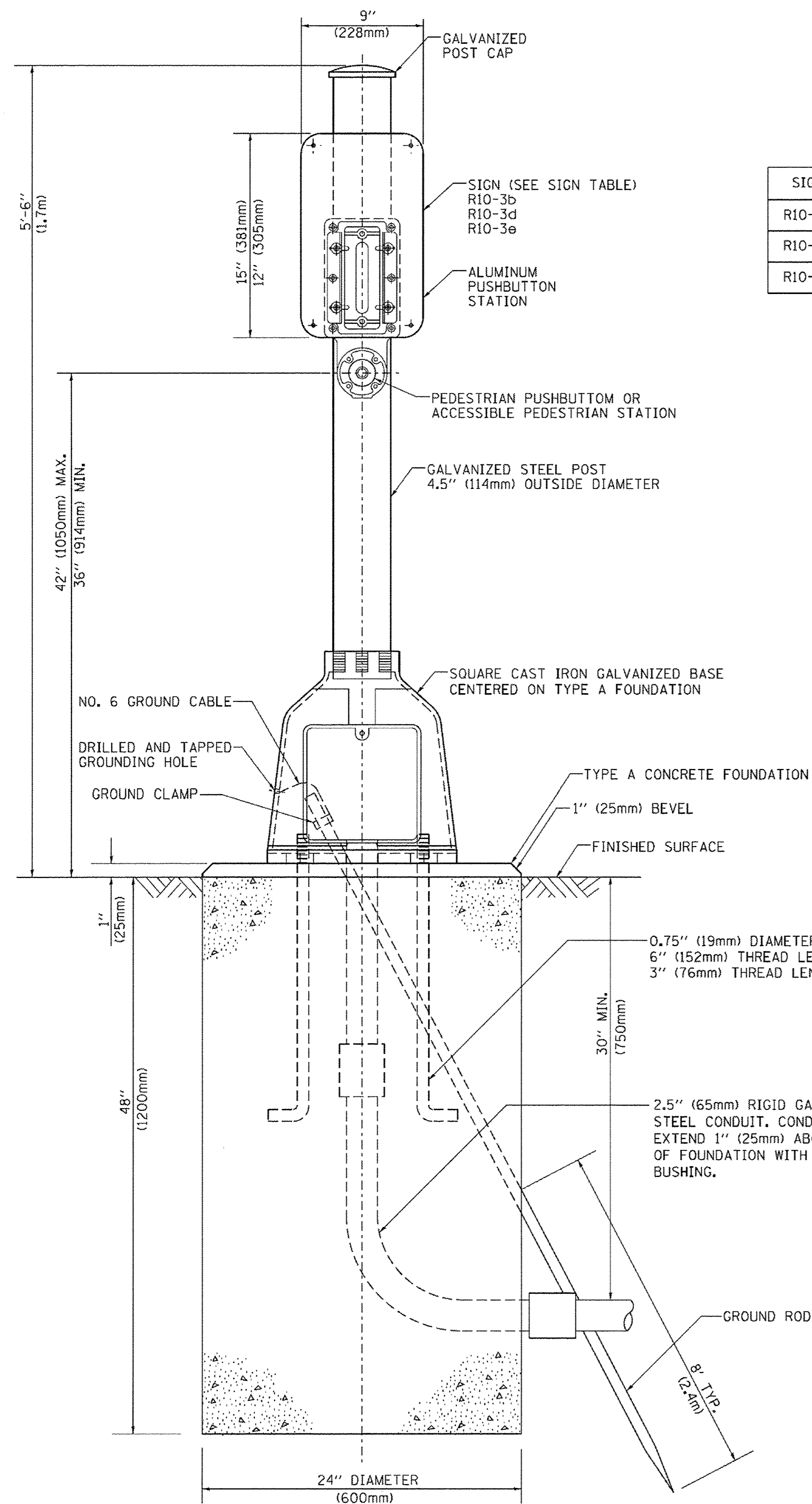
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

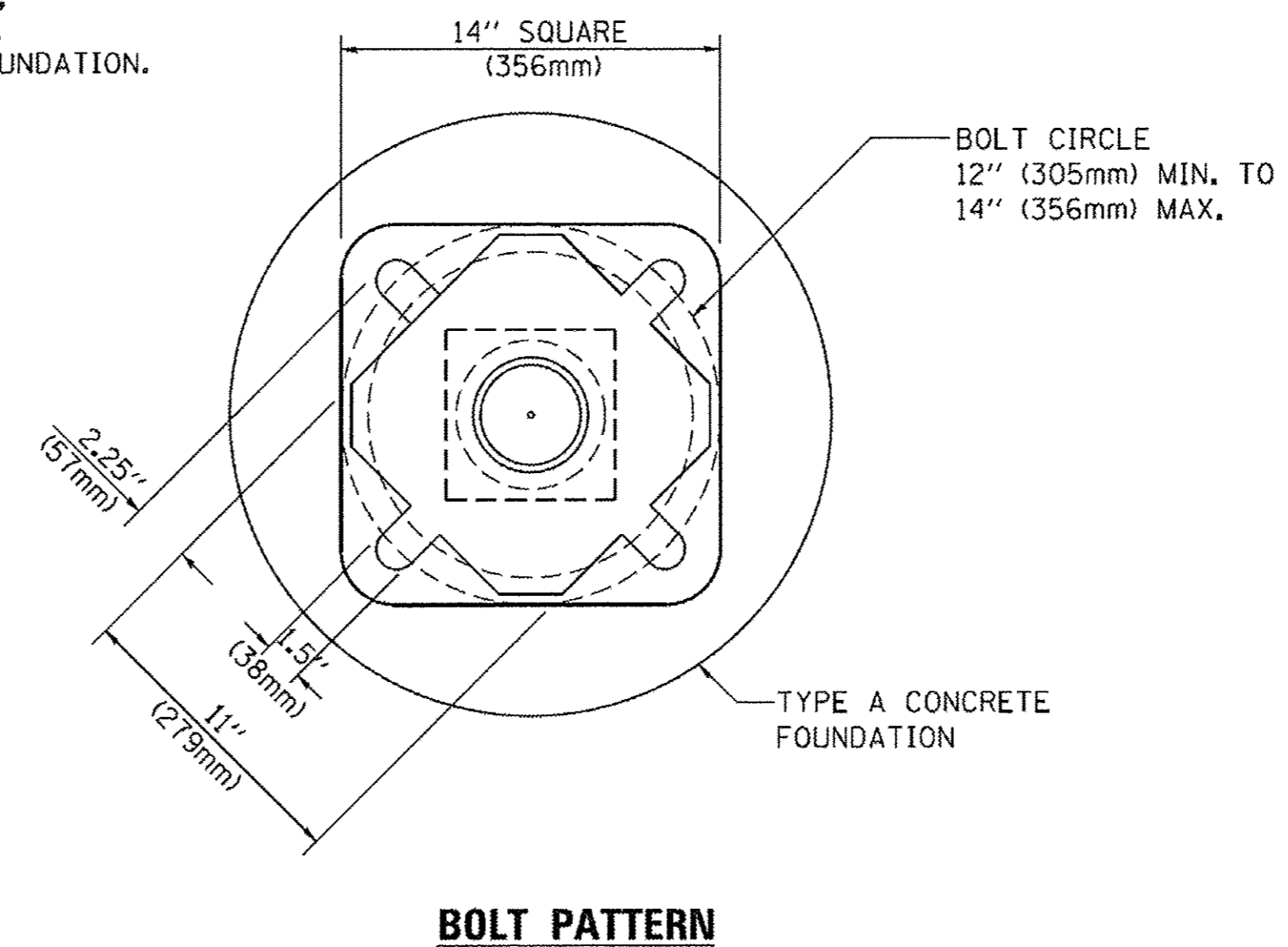
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	59
TS-05		CONTRACT NO. 61D32		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



SIGN TABLE

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



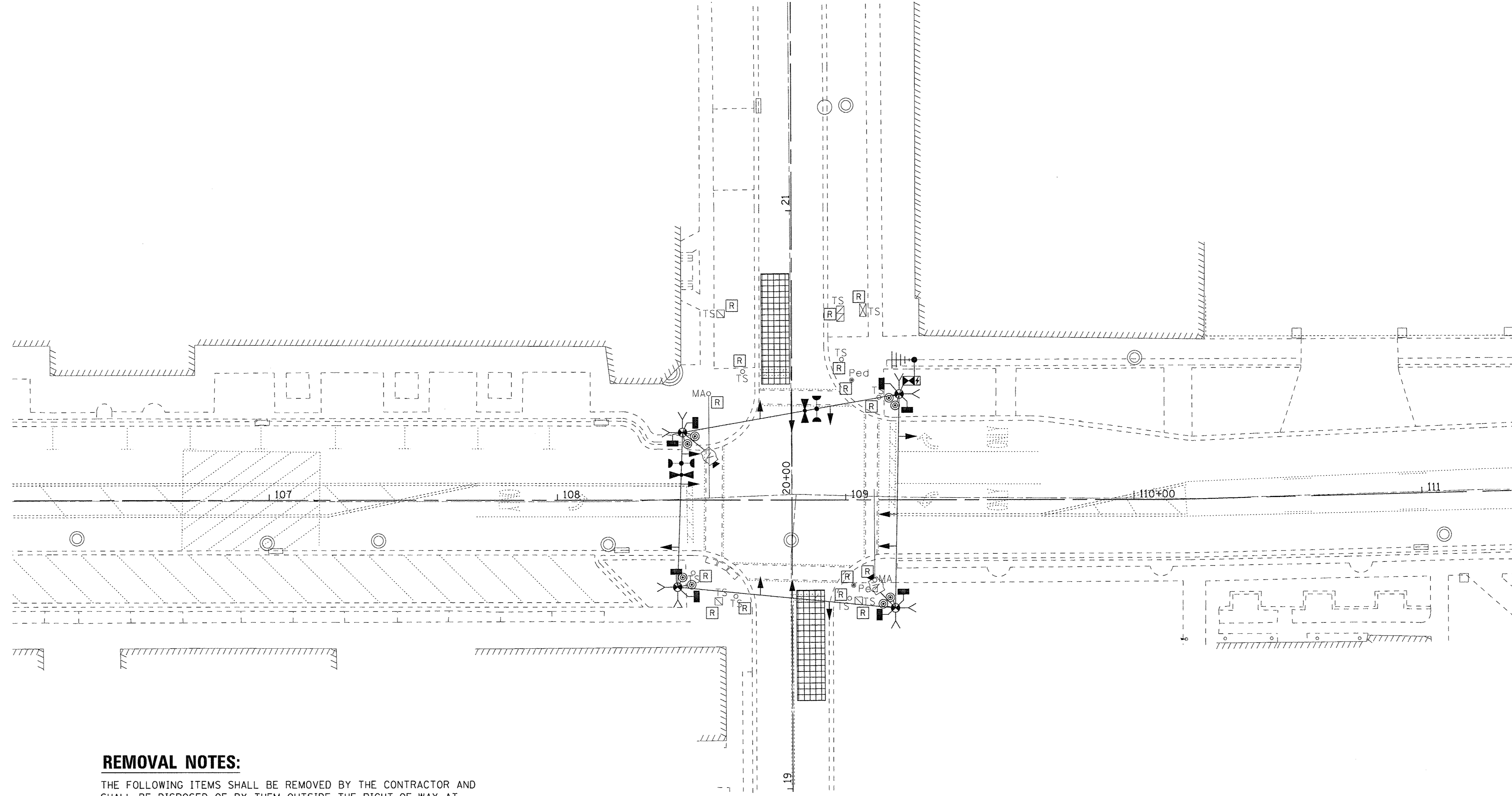
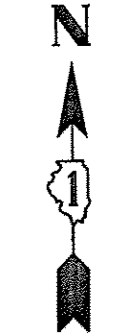
PEDESTRIAN PUSH BUTTON POST, TYPE A

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	60
TS-05		CONTRACT NO. 61D32		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



REMOVAL NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 6 EACH TRAFFIC SIGNAL POST
- 2 EACH PEDESTRIAN PUSH BUTTON POST
- 8 EACH PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER
- 12 EACH 3-SECTION SIGNAL HEAD
- 1 EACH SERVICE INSTALLATION
- 2 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST TRAFFIC SIGNAL POSTS.

- 8 EACH ACCESSIBLE PEDESTRIAN PUSH BUTTON
- 1 EACH ACCESSIBLE PEDESTRIAN PUSH BUTTON CONTROLLER

NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
2. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "GLOBAL TECH (GTM)" TO MATCH THE EQUIPMENT USED THROUGHOUT THE VILLAGE.
3. THE EXISTING ACCESSIBLE PEDESTRIAN SIGNAL CONTROLLER SHALL BE REMOVED FROM THE EXISTING CONTROLLER CABINET AND INSTALLED IN THE PROPOSED PERMANENT CABINET IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. EASTBOUND AND WESTBOUND VEHICULAR PHASES TO BE PLACED ON RECALL.

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DESIGNED - JFM	REVISED -
DRAWN - MAC	REVISED -
CHECKED - JCC	REVISED -
DATE - 12/05/2016	FILE - 150009-28SHT_TSI.dgn

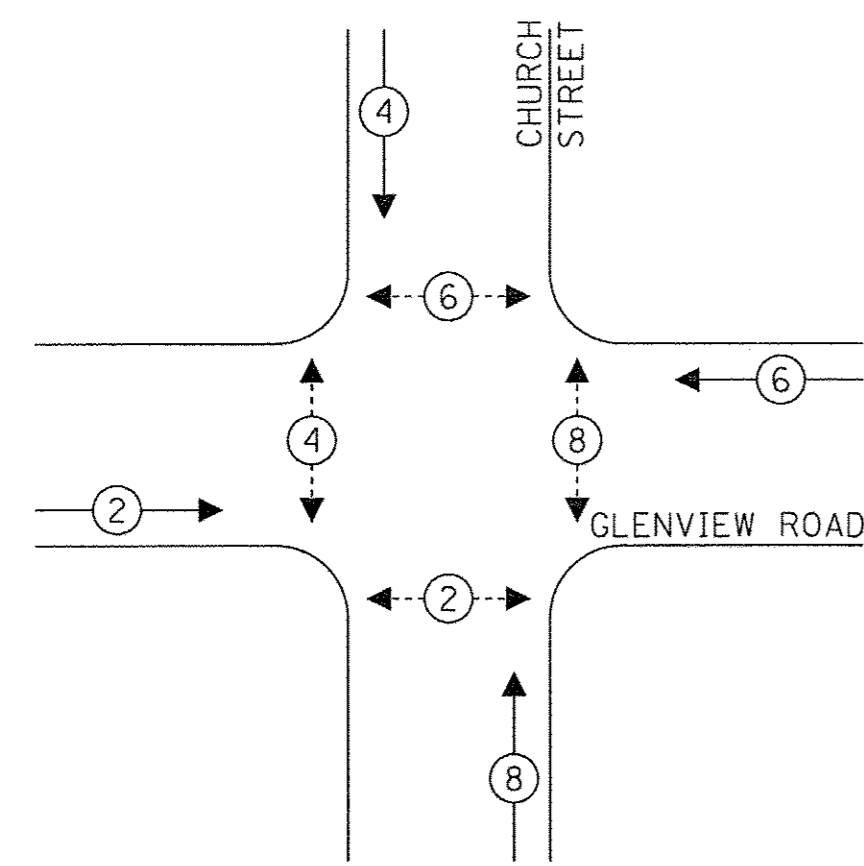
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN
GLENVIEW ROAD AND CHURCH STREET**

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	61
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	

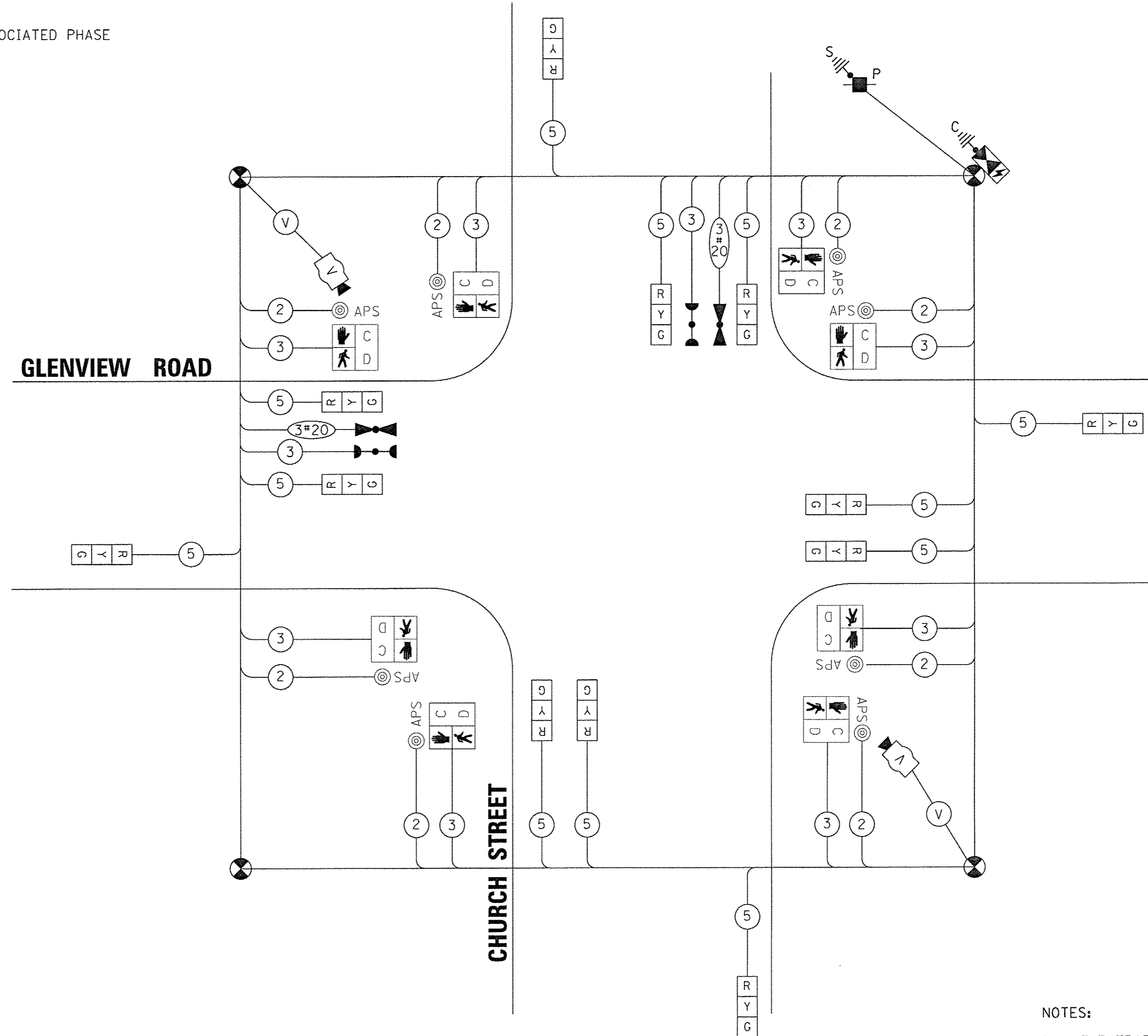
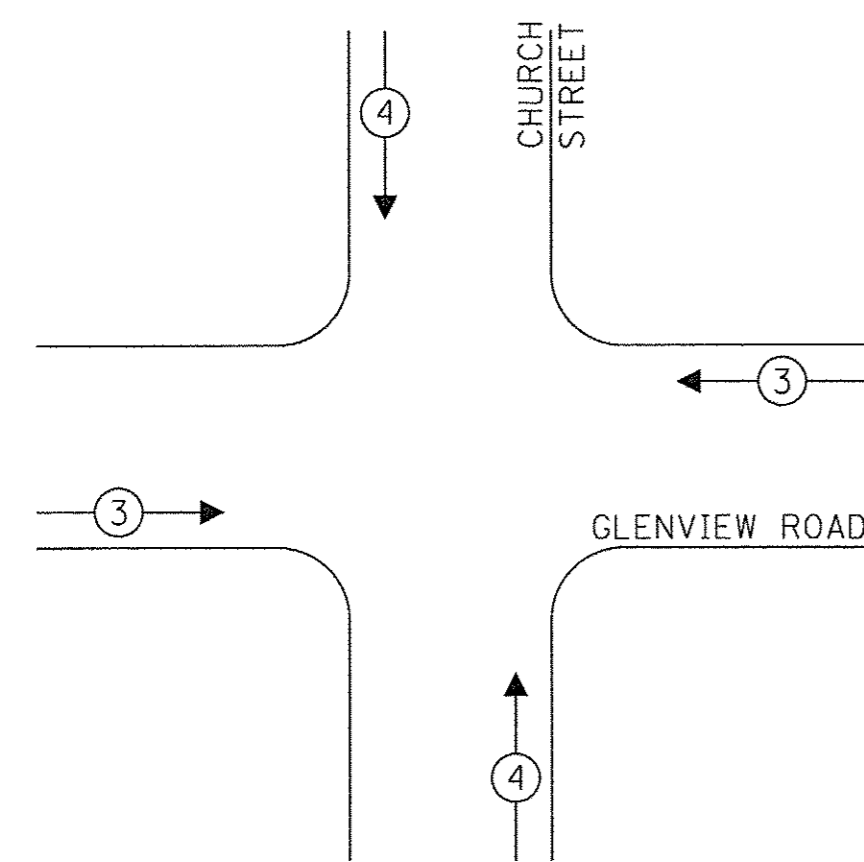
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- ← (⊛) → PROTECTED PHASE
- ← (⊛) ··· → PROTECTED/PERMITTED PHASE
- ← (⊛) → PEDESTRIAN PHASE
- ← (⊛) OL → OVERLAP
- NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
(NOT TO SCALE)

NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
2. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "GLOBAL TECH (GTM)" TO MATCH THE EQUIPMENT USED THROUGHOUT THE VILLAGE.
3. THE EXISTING ACCESSIBLE PEDESTRIAN SIGNAL CONTROLLER CABINET AND INSTALLED IN THE PROPOSED PERMANENT CABINET IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. EASTBOUND AND WESTBOUND PHASES SHALL BE PLACED ON RECALL.

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				581.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MAUREEN RAYE
PHONE: 847-816-5492
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---

BAXTER & WOODMAN Consulting Engineers	DESIGNED - JFM	REVISED -
	DRAWN - MAC	REVISED -
	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT_TS1.dgn

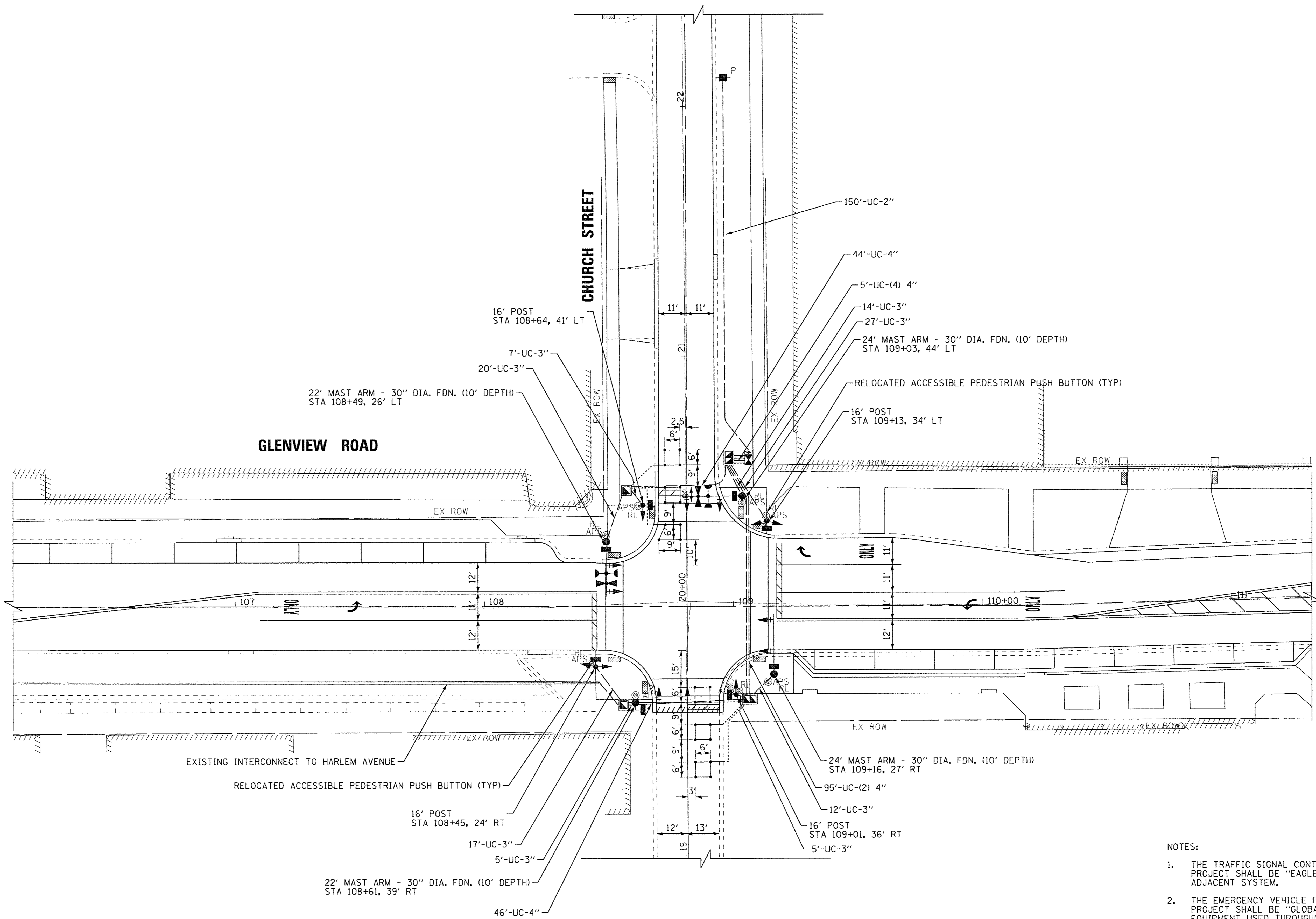
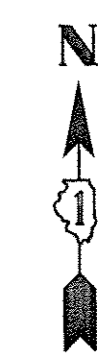
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
GLENVIEW ROAD AND CHURCH STREET**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	62
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 61D32

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- NOTES:
1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
 2. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "GLOBAL TECH (GTM)" TO MATCH THE EQUIPMENT USED THROUGHOUT THE VILLAGE.
 3. THE EXISTING ACCESSIBLE PEDESTRIAN SIGNAL CONTROLLER SHALL BE REMOVED FROM THE EXISTING CONTROLLER CABINET AND INSTALLED IN THE PROPOSED PERMANENT CABINET IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

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BAXTER & WOODMAN <small>Consulting Engineers</small>	DESIGNED - JFM	REVISED -
	DRAWN - MAC	REVISED -
	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT-TS2.dgn

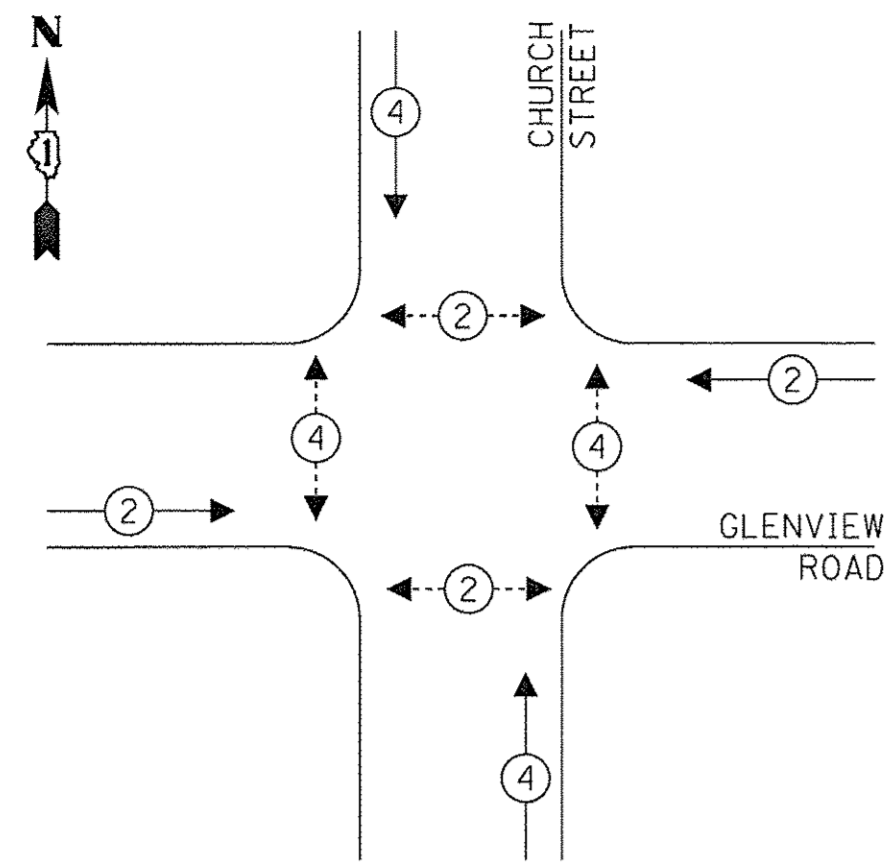
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL PLAN
GLENVIEW ROAD AND CHURCH STREET**

SCALE: 1" = 20'
STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	63
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
				CONTRACT NO. 61D32

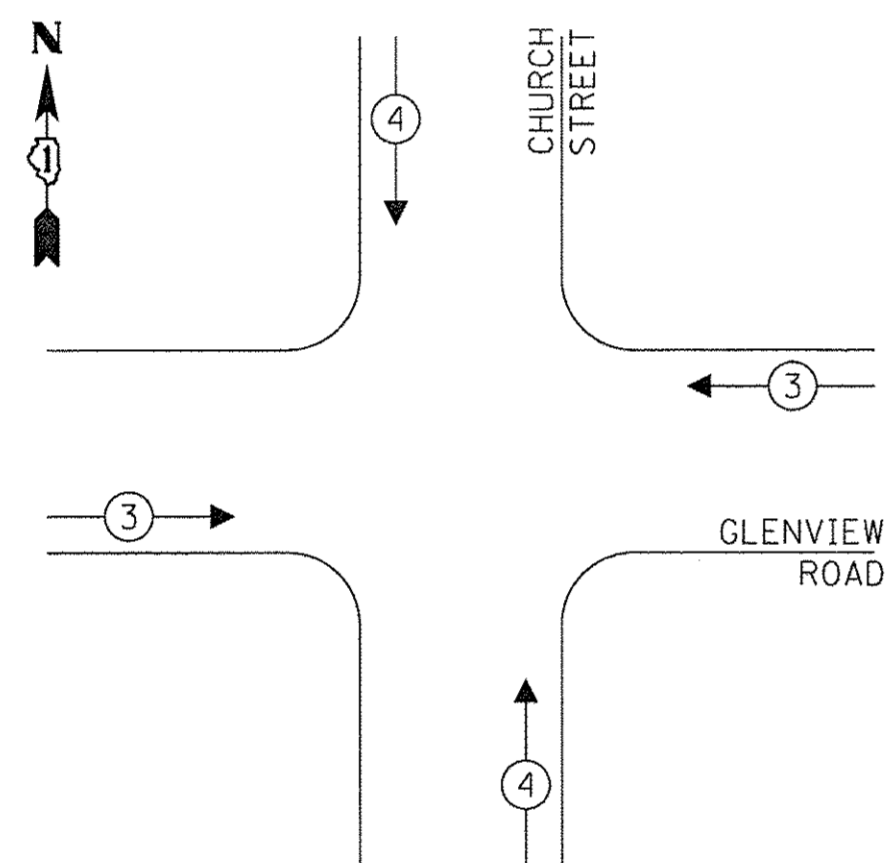
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← (⊙) — PROTECTED PHASE
- ← (⊙) — PROTECTED/PERMITTED PHASE
- ← (⊙) — PEDESTRIAN PHASE
- ← (⊙) — OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	451.6

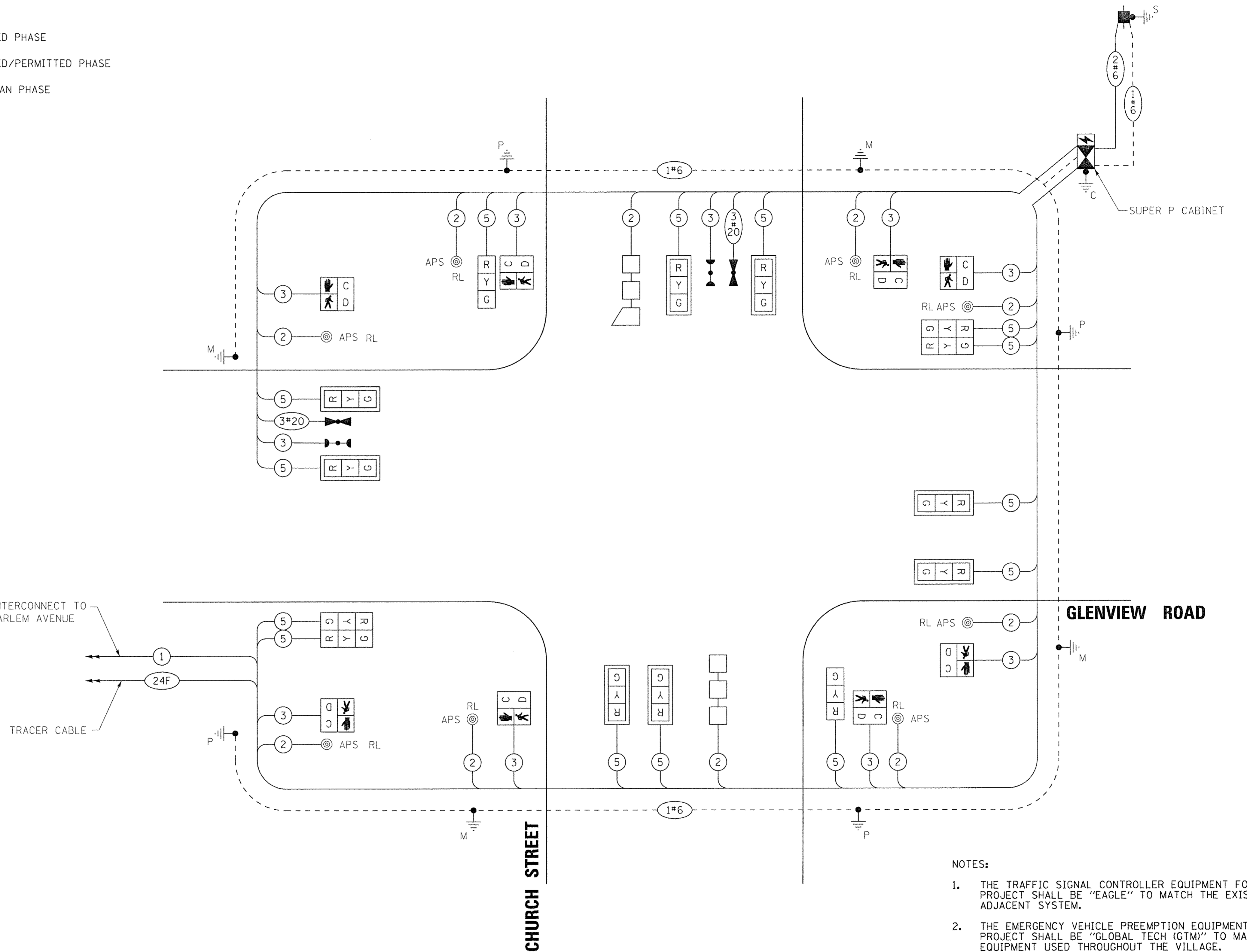
ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: MAUREEN RAYE
 PHONE: 847-816-5492
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

INTERCONNECT TO HARLEM AVENUE

TRACER CABLE



CABLE PLAN
(NOT TO SCALE)

NOTES:

- THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
- THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "GLOBAL TECH (GTM)" TO MATCH THE EQUIPMENT USED THROUGHOUT THE VILLAGE.
- THE EXISTING ACCESSIBLE PEDESTRIAN SIGNAL CONTROLLER SHALL BE REMOVED FROM THE EXISTING CONTROLLER CABINET AND INSTALLED IN THE PROPOSED PERMANENT CABINET IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- EASTBOUND AND WESTBOUND PHASES SHALL BE PLACED ON RECALL.

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BAXTER & WOODMAN
 Consulting Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

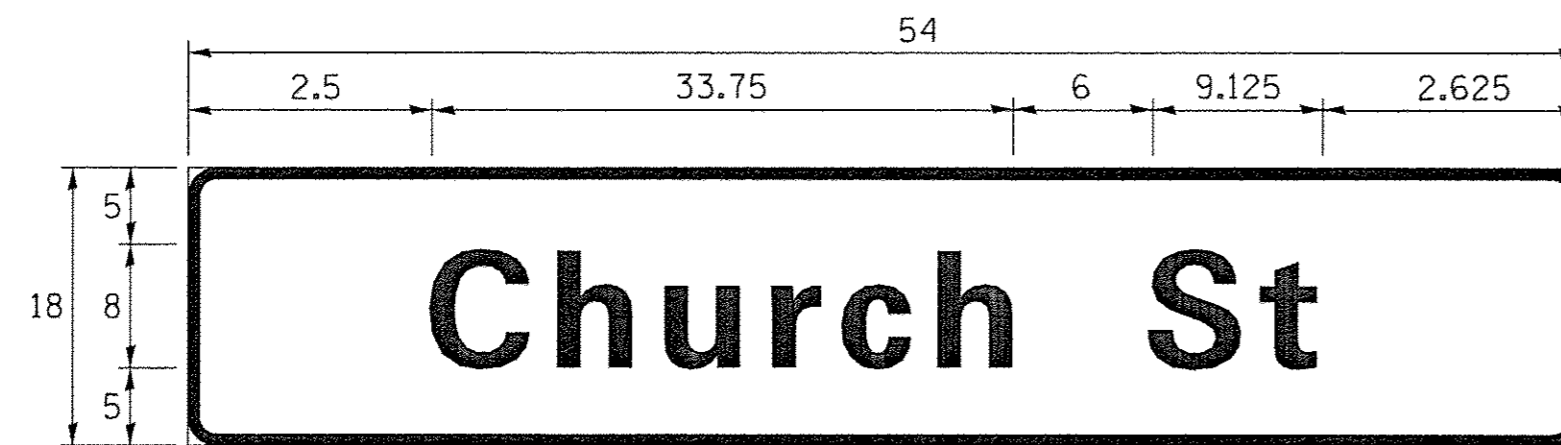
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
GLENVIEW ROAD AND CHURCH STREET

SCALE: NONE SHEET OF SHEETS STA. TO STA.

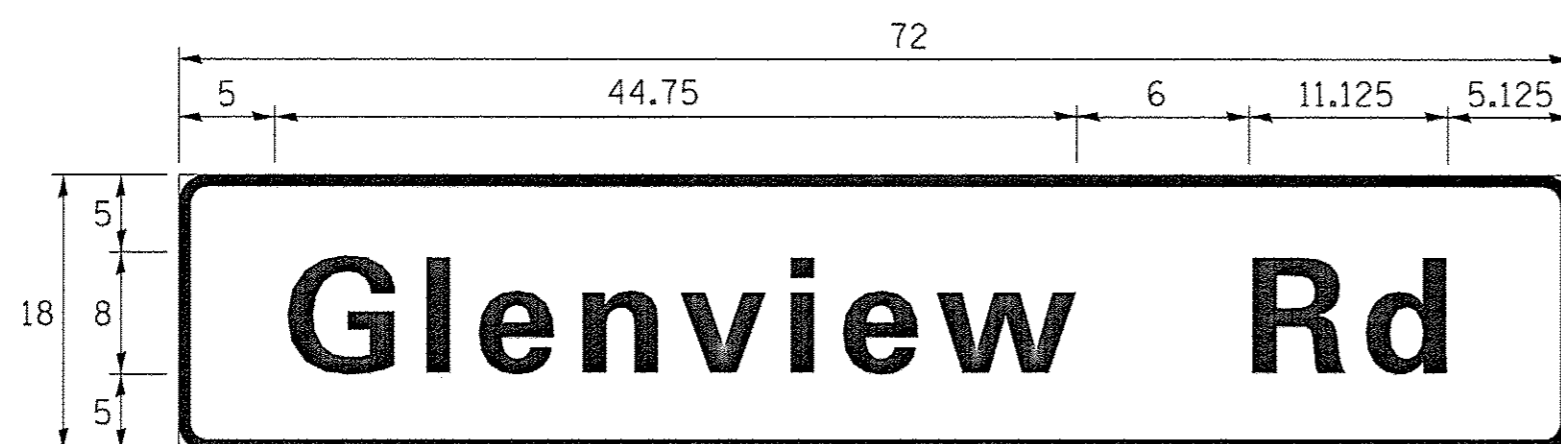
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	64
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D32	

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.0	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	TOTAL QUANTITY
SIGN PANEL - TYPE 1	SQ FT	16
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	150
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	107
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	300
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,079
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,123
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,154
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	214
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	225
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	180
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	506
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	2
DETECTOR LOOP, TYPE I	FOOT	195
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	214
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

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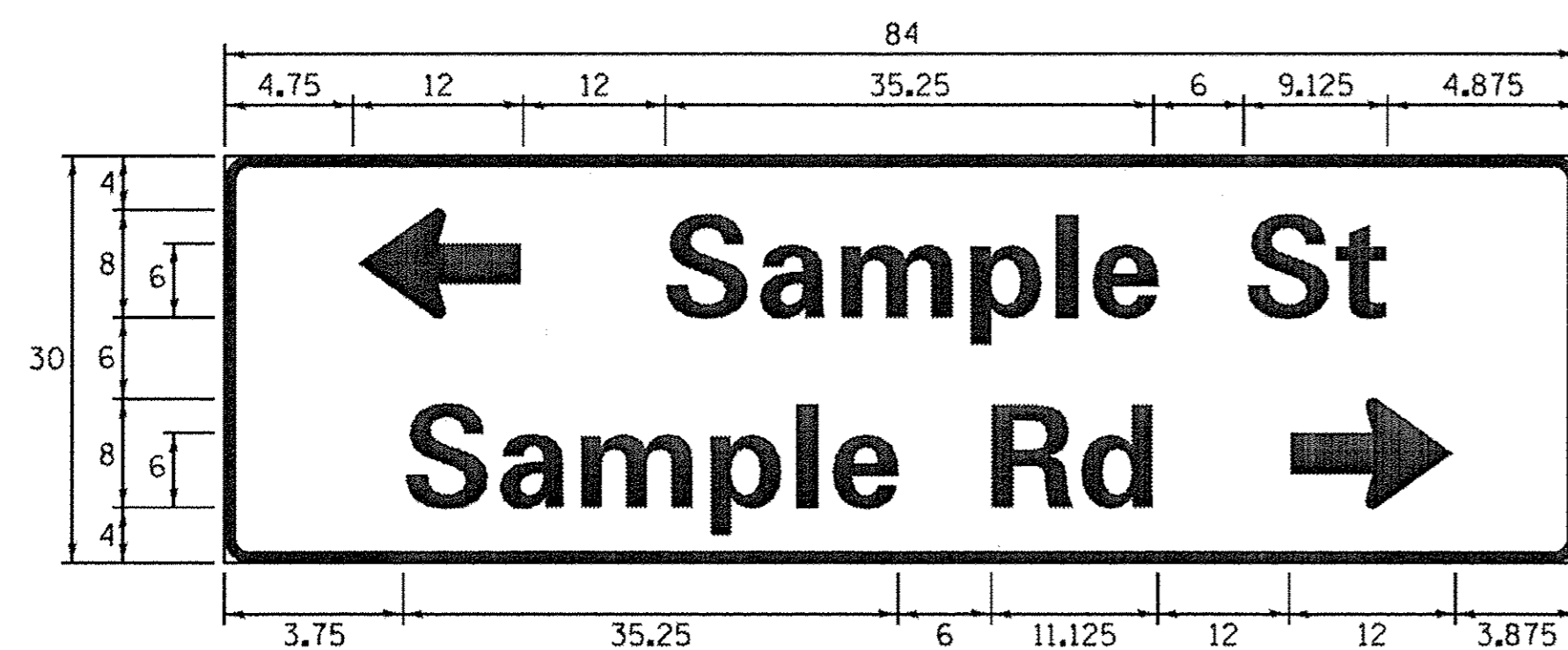
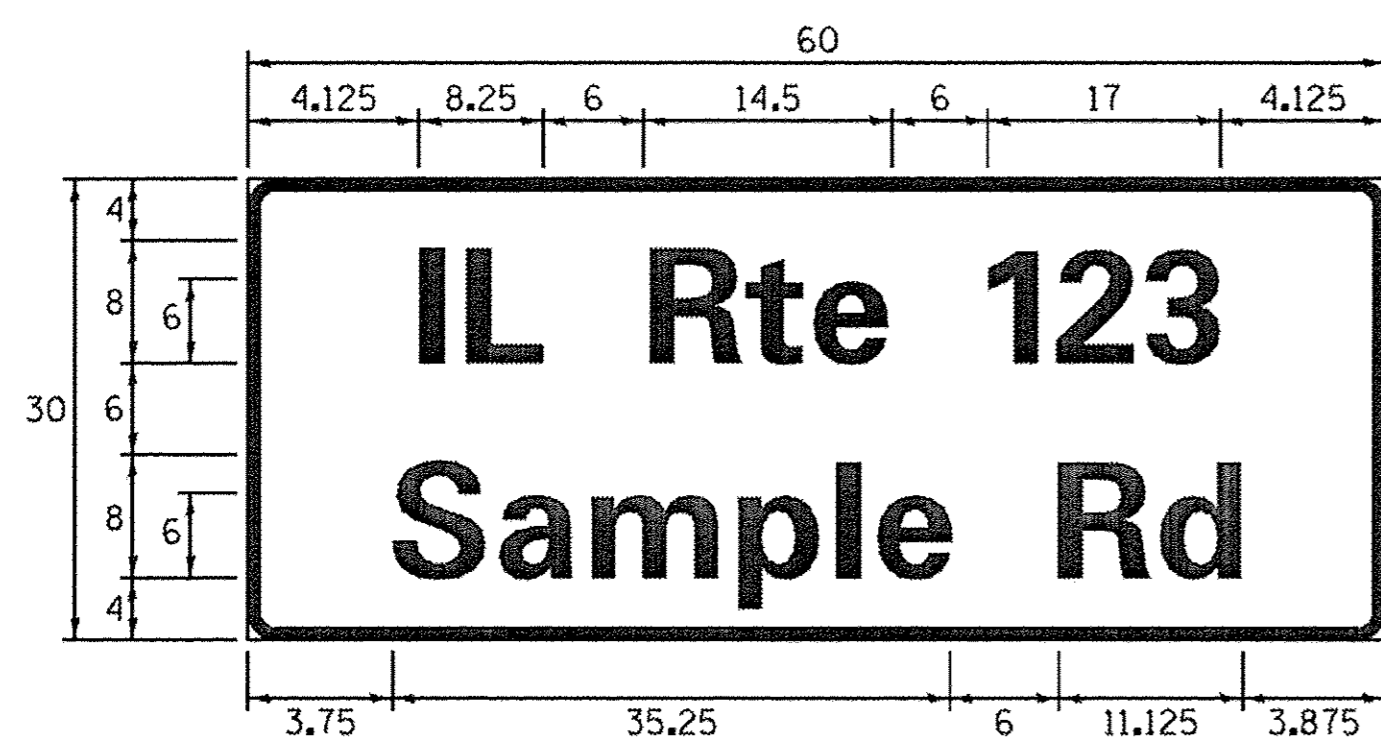
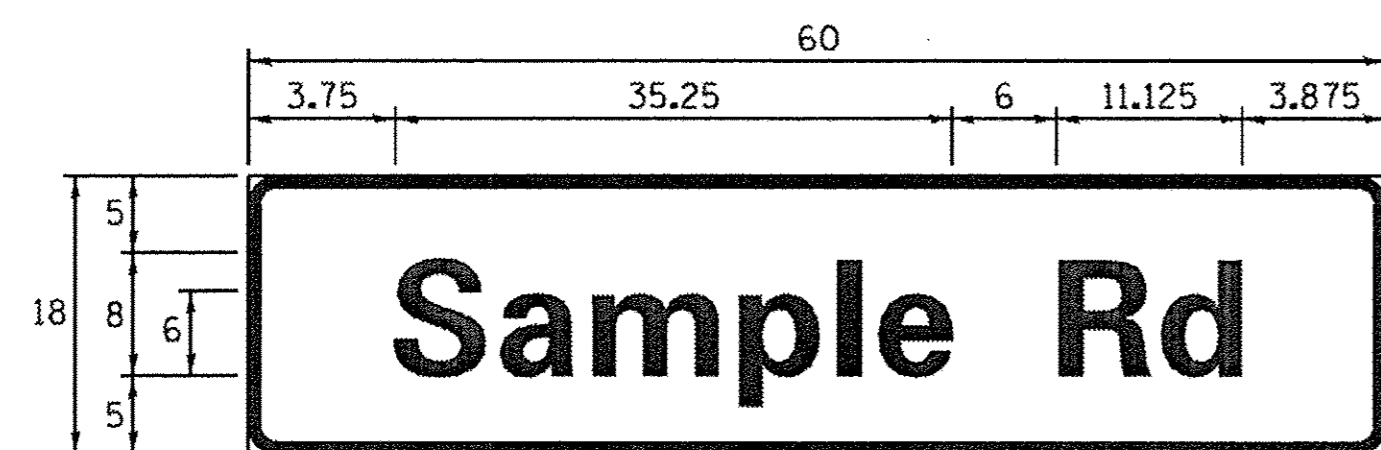
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
GLENVIEW ROAD AND CHURCH STREET

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	65
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D32	

SIGN PANEL - TYPE 1 OR TYPE 2



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

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

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

GENERAL NOTES

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

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA

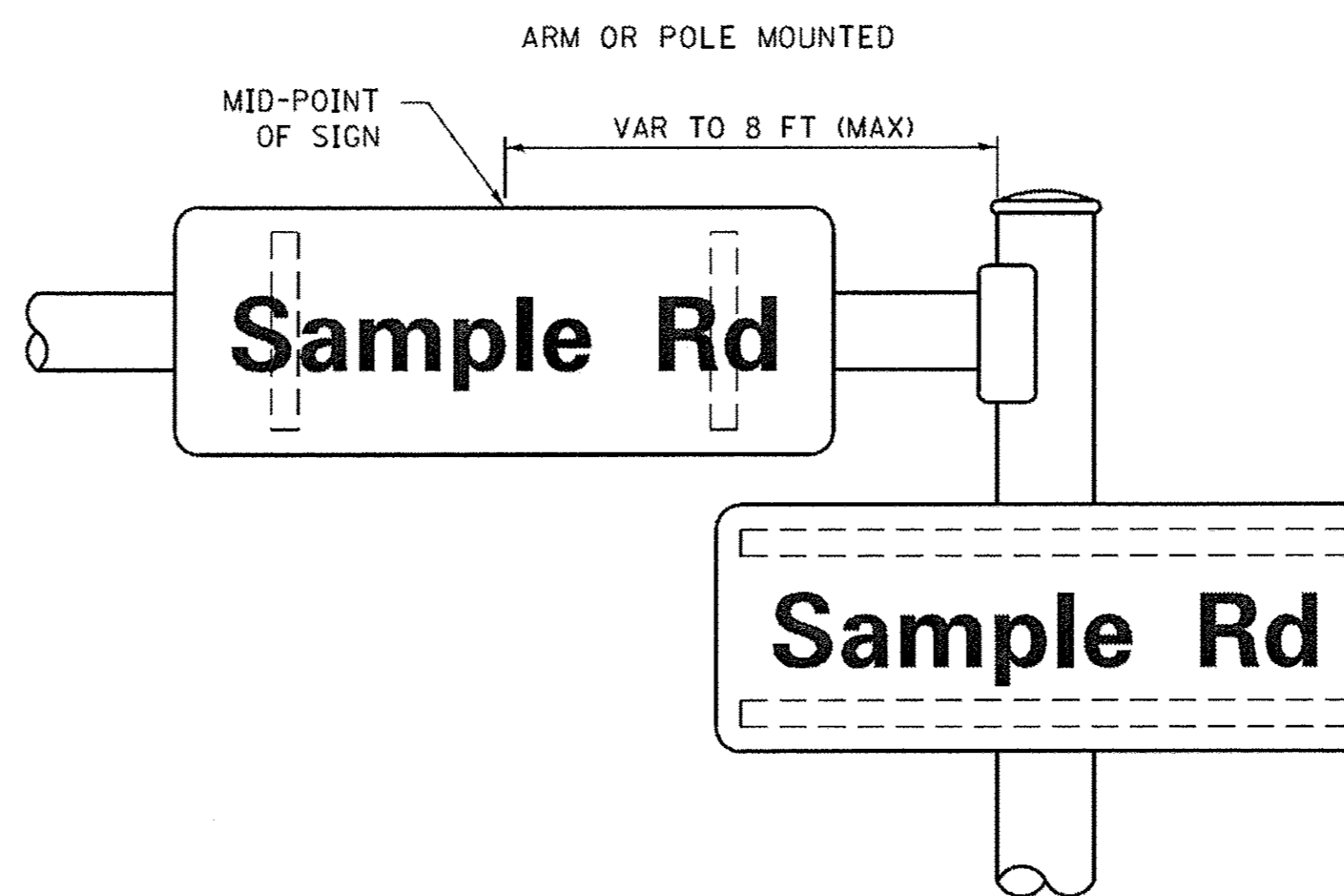
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

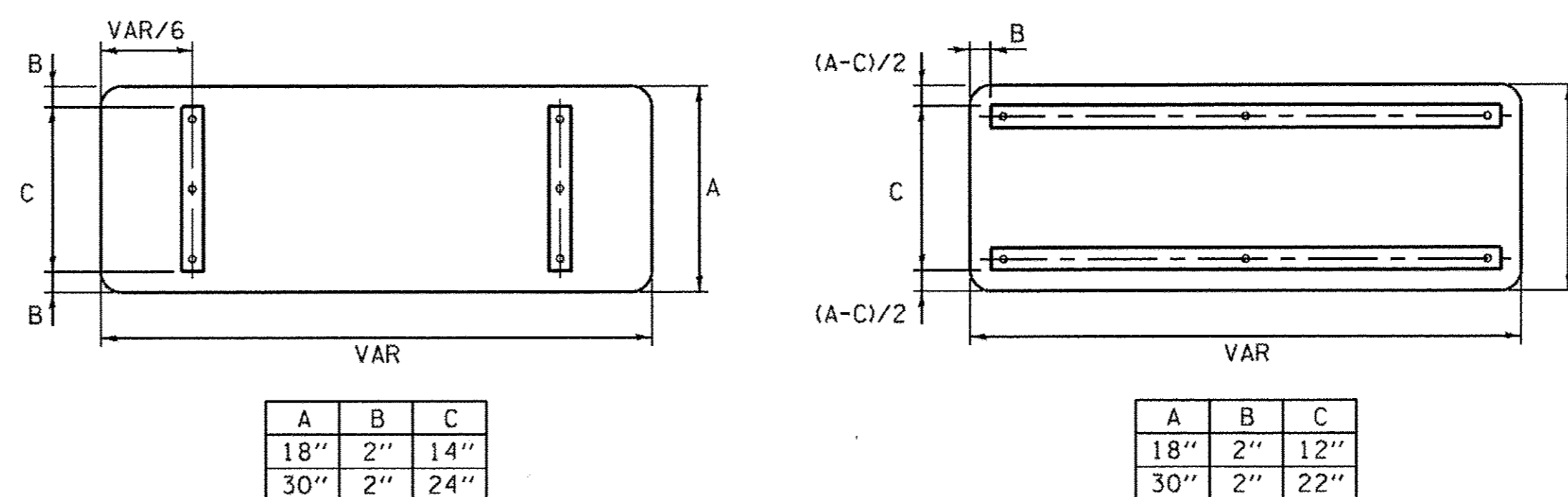
SIGN CHANNEL PART *HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
BRACKETS PART *HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

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

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

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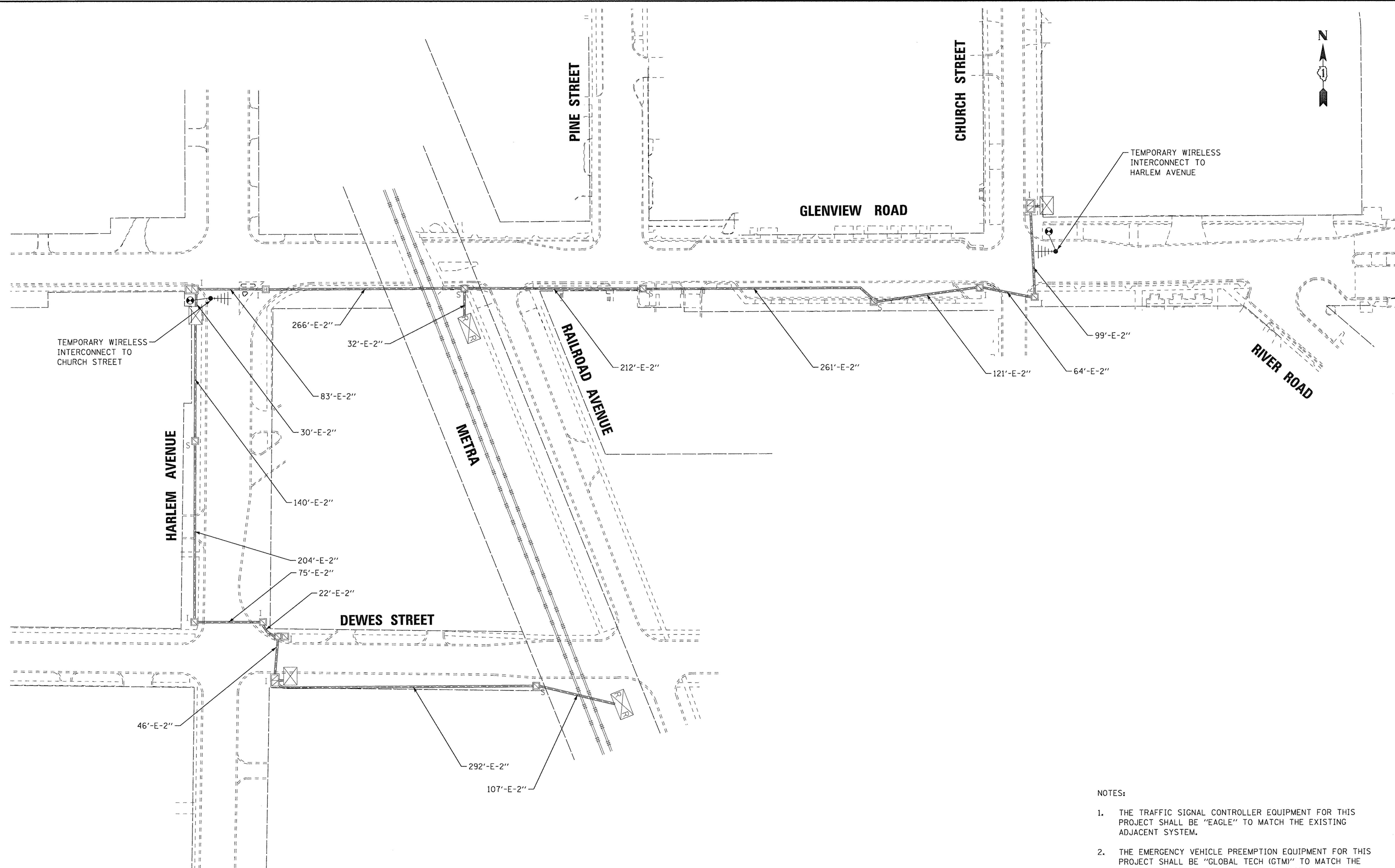
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

F.A.P. RTE. 1297	SECTION 15-00192-00-RS	COUNTY COOK	TOTAL SHEETS 96	SHEET NO. 66
TS-02 CONTRACT NO. 61D32			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

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 LICENSE NO. 184-00121 - EXPIRES 12/31/2017
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DRAWN - MAC	REVISED -
CHECKED - JCC	REVISED -
DATE - 12/05/2016	FILE - 150009-28SHT_Temp_Interconnect_Plan.dgn

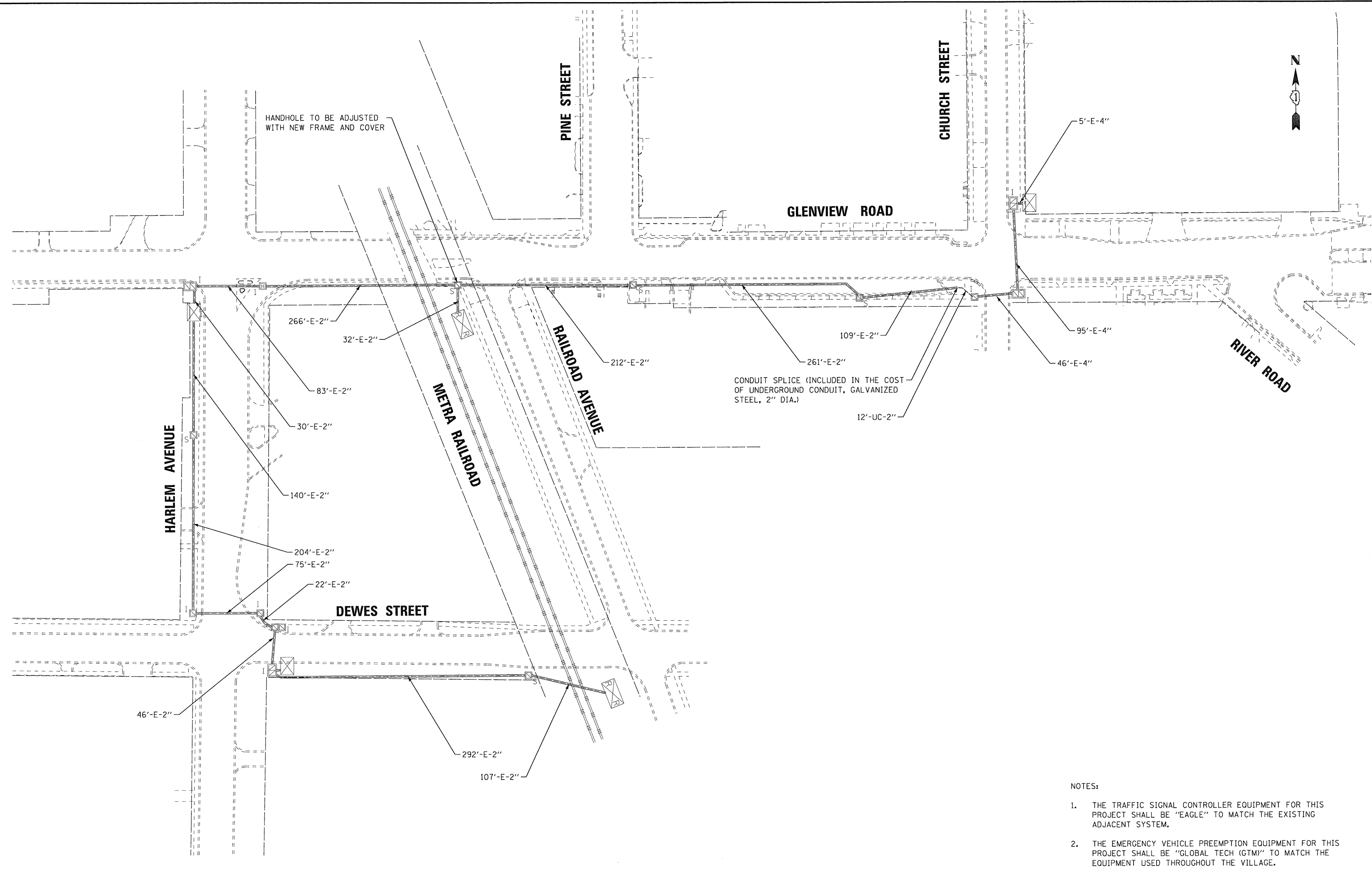
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN	
SCALE:	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	67
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61D32	

- NOTES:
1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
 2. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "GLOBAL TECH (GTM)" TO MATCH THE EQUIPMENT USED THROUGHOUT THE VILLAGE.

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 LICENSE NO. - 184-00121 - EXPIRES 4/30/2017
 12/29/2016
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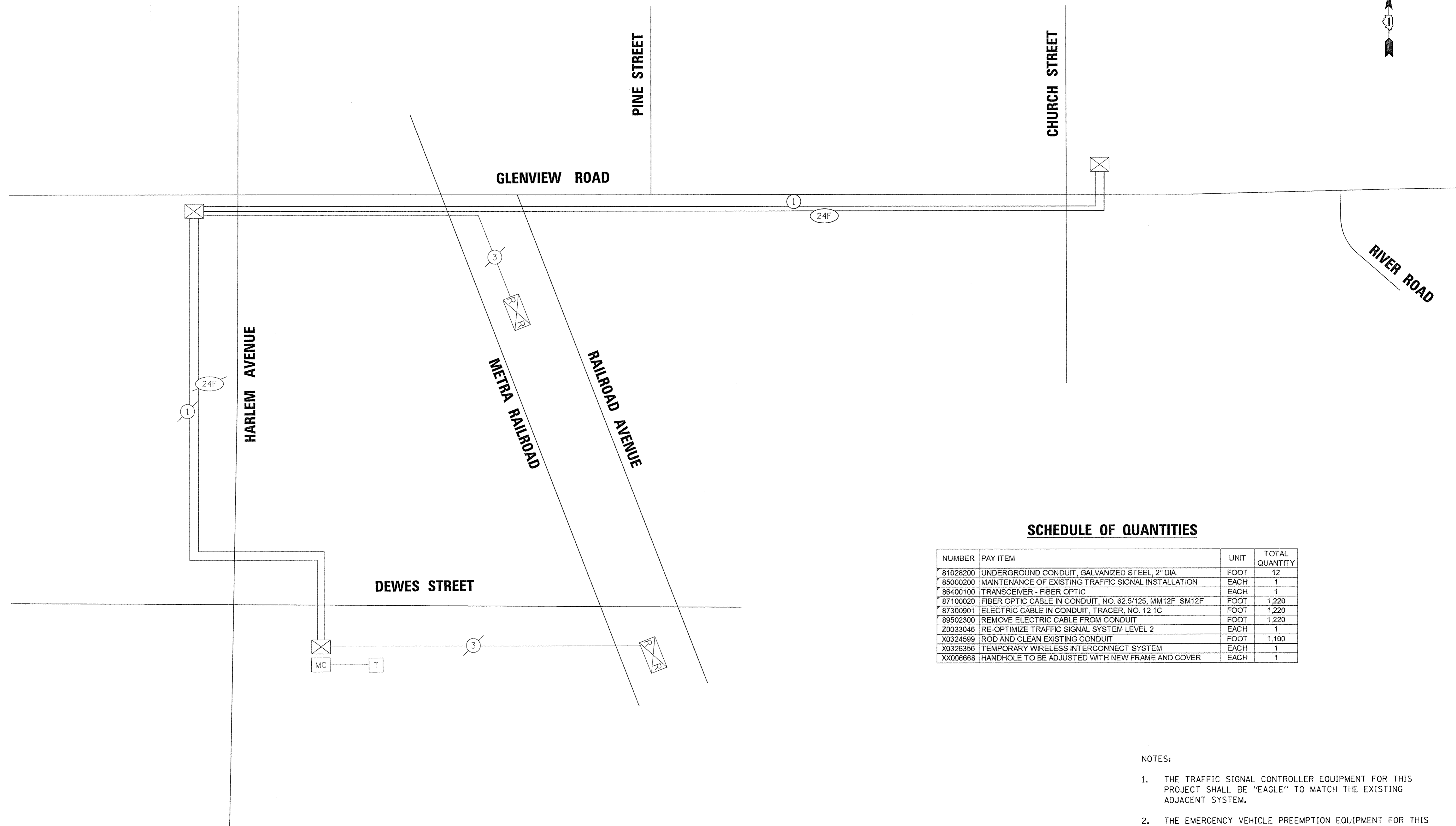
- NOTES:
1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
 2. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "GLOBAL TECH (GTM)" TO MATCH THE EQUIPMENT USED THROUGHOUT THE VILLAGE.

BAXTER & WOODMAN <small>Consulting Engineers</small>	DESIGNED - JFM	REVISED -
	DRAWN - MAC	REVISED -
	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT_Interconnect_Plan.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERCONNECT PLAN	
SCALE:	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	69
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D32	



SCHEDULE OF QUANTITIES

NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	12
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
86400100	TRANSCIVER - FIBER OPTIC	EACH	1
87100020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1,220
87300901	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 12 1C	FOOT	1,220
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,220
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	1,100
X0326356	TEMPORARY WIRELESS INTERCONNECT SYSTEM	EACH	1
XX006668	HANDHOLE TO BE ADJUSTED WITH NEW FRAME AND COVER	EACH	1

NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
2. THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "GLOBAL TECH (GTM)" TO MATCH THE EQUIPMENT USED THROUGHOUT THE VILLAGE.

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 TEL: 312.467.1000 FAX: 312.467.1001
 WWW: WWW.BAXTERANDWOODMAN.COM
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	CHECKED - JCC	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERCONNECT SCHEMATIC

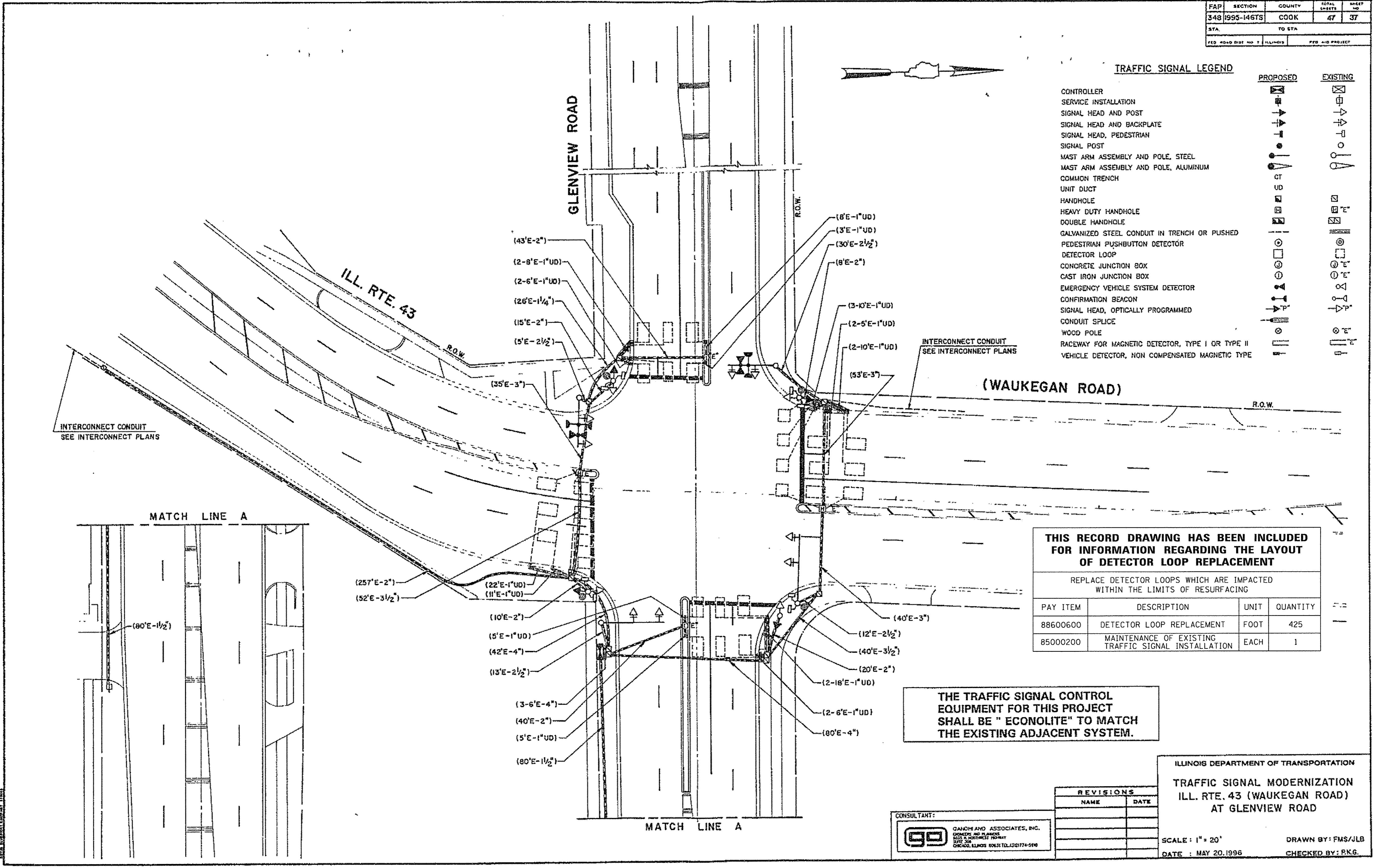
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	70
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	

FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	1995-146TS	COOK	47	37
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD AND POST		
SIGNAL HEAD AND BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMMON TRENCH		
UNIT DUCT		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CONCRETE JUNCTION BOX		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD, OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		



THIS RECORD DRAWING HAS BEEN INCLUDED FOR INFORMATION REGARDING THE LAYOUT OF DETECTOR LOOP REPLACEMENT

REPLACE DETECTOR LOOPS WHICH ARE IMPACTED WITHIN THE LIMITS OF RESURFACING

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
88600600	DETECTOR LOOP REPLACEMENT	FOOT	425
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL MODERNIZATION
 ILL. RTE. 43 (WAUKEGAN ROAD)
 AT GLENVIEW ROAD

REVISIONS	
NAME	DATE

CONSULTANT:

 GANDHI AND ASSOCIATES, INC.
 CONSULTING ENGINEERS
 1035 S. MICHIGAN STREET
 CHICAGO, ILLINOIS 60605 TEL: 312/774-5990

SCALE: 1" = 20'
 DATE: MAY 20, 1996
 DRAWN BY: FMS/JLB
 CHECKED BY: PKG.

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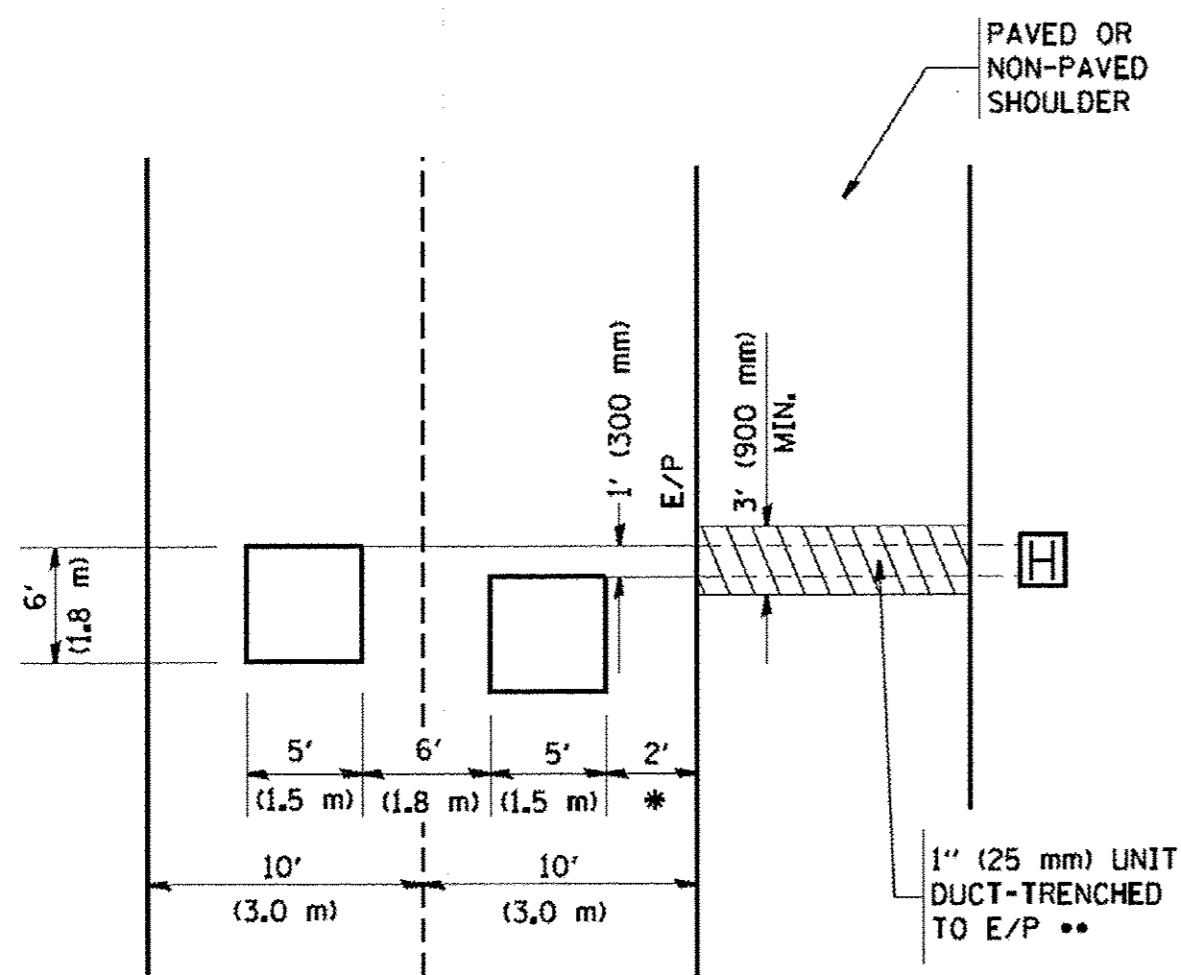
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP INSTALLATION PLAN

SCALE: NONE	STA. TO STA.	F.A.U. RTE. 1297	SECTION 15-00192-00-RS	COUNTY COOK	TOTAL SHEETS 96	SHEET NO. 71
		FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 61D32		

LOOPS NEXT TO SHOULDERS

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



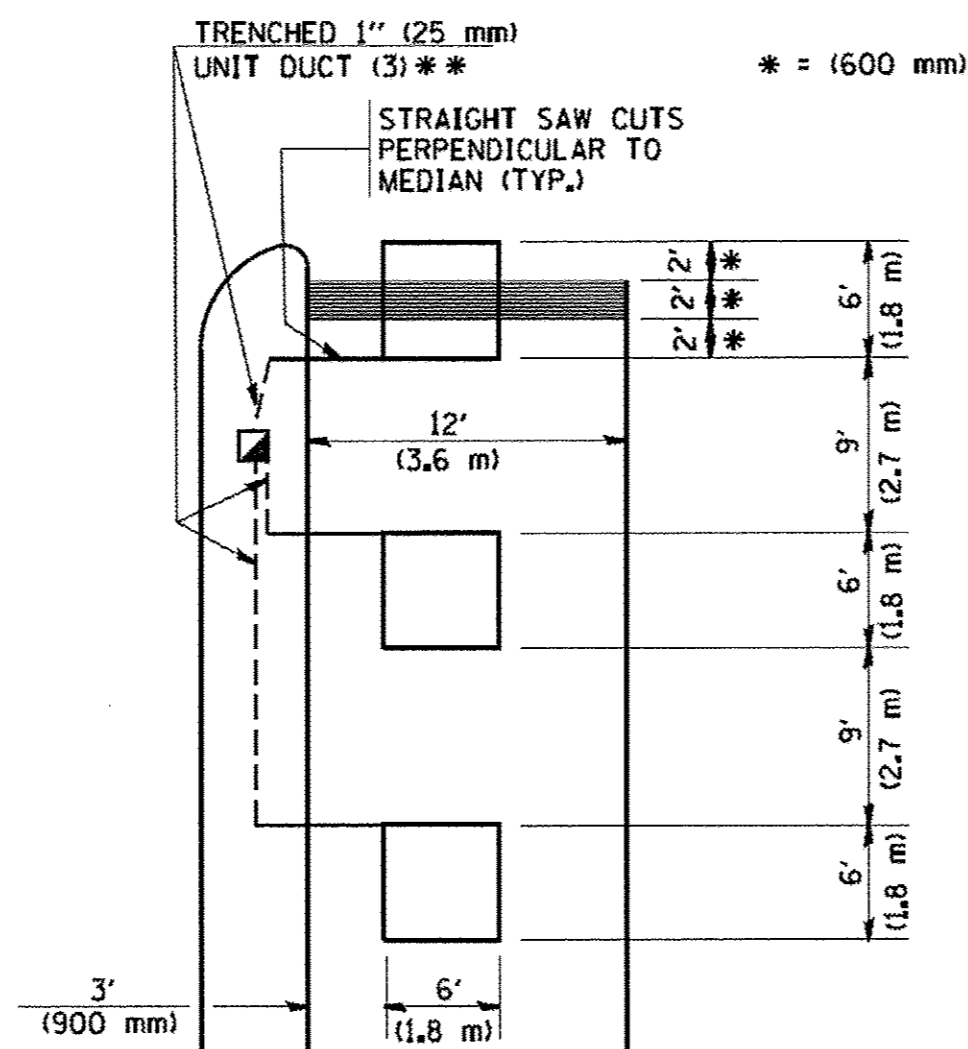
* = (600 mm)

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)

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



* = (600 mm)

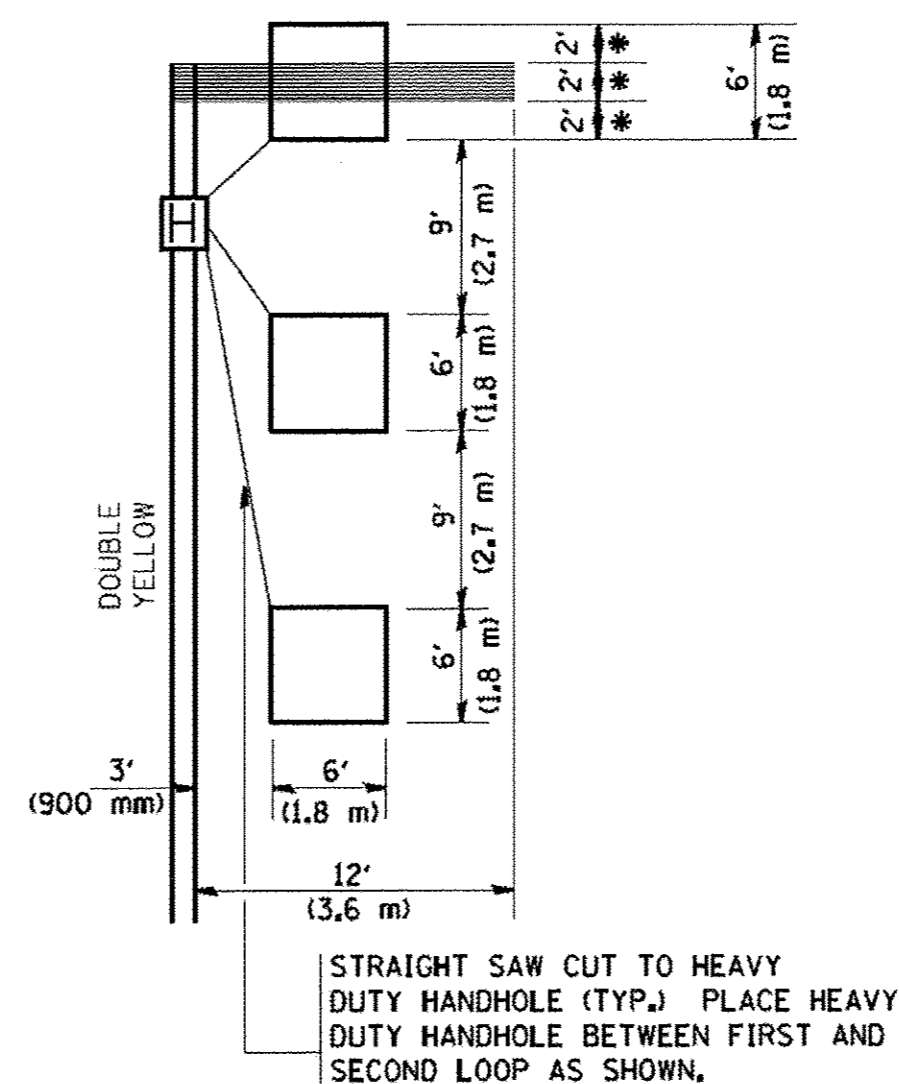
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)

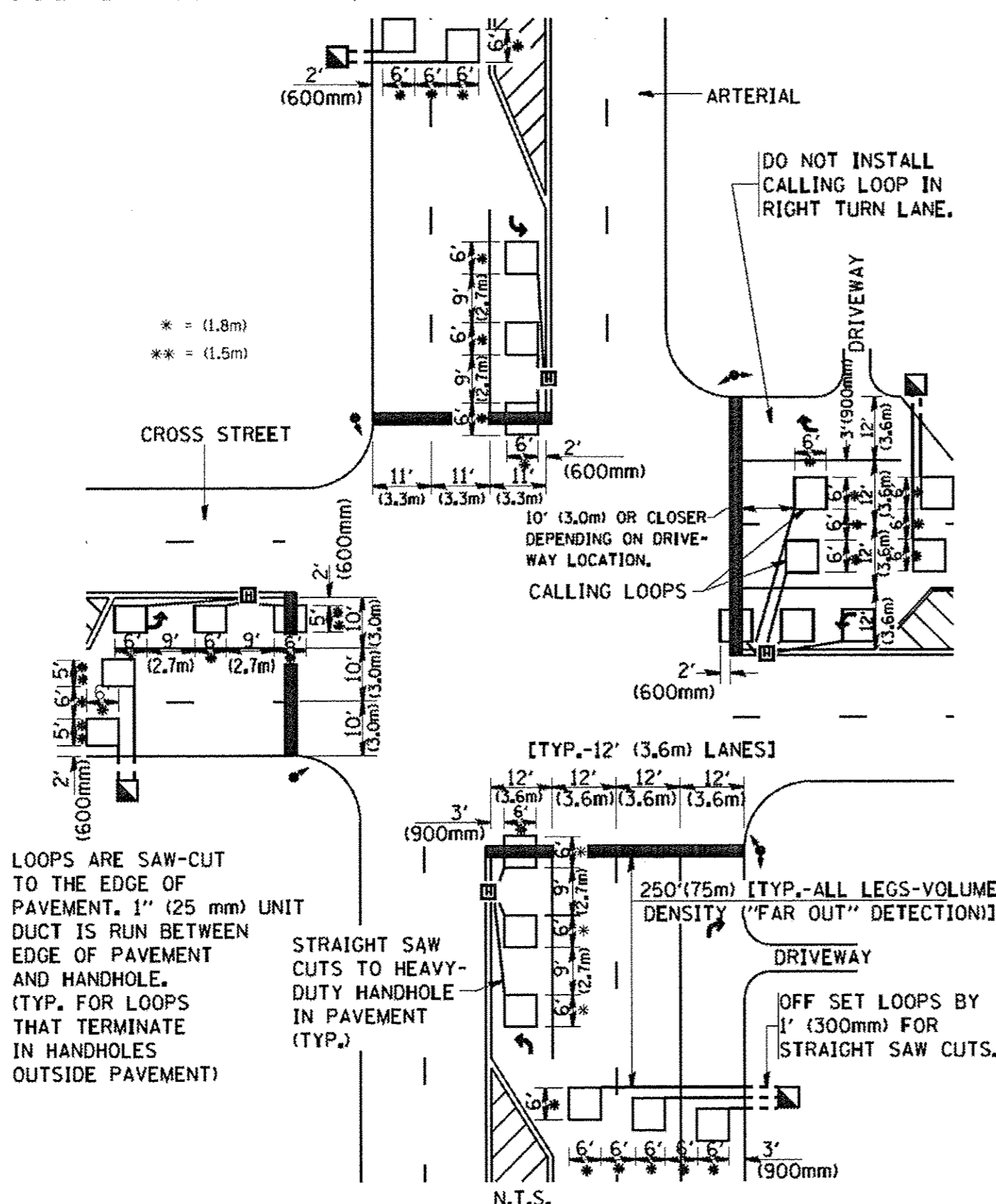
* = (600 mm)



STRAIGHT SAW CUT TO HEAVY DUTY HANDHOLE (TYP.) PLACE HEAVY DUTY HANDHOLE BETWEEN FIRST AND SECOND LOOP AS SHOWN.

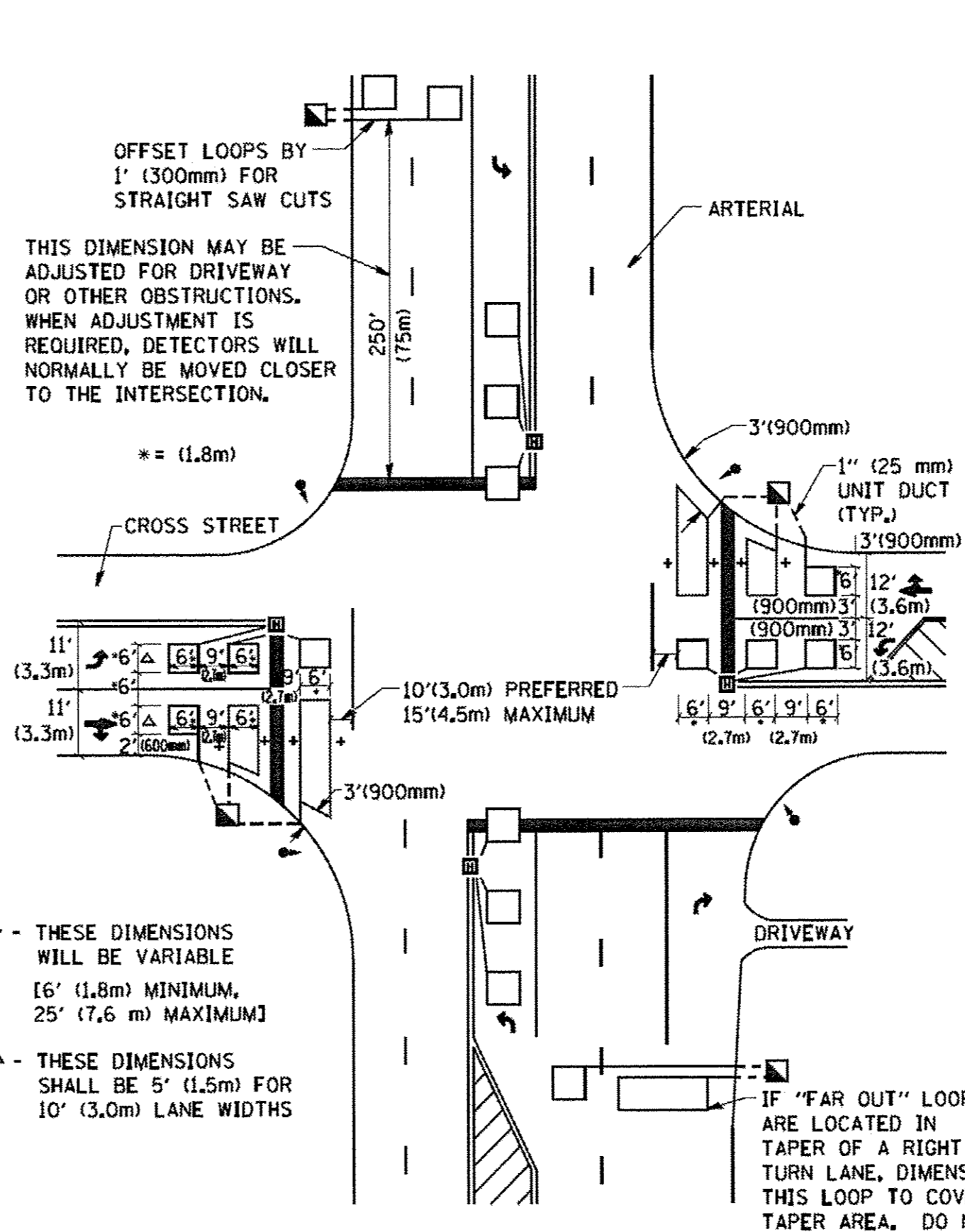
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

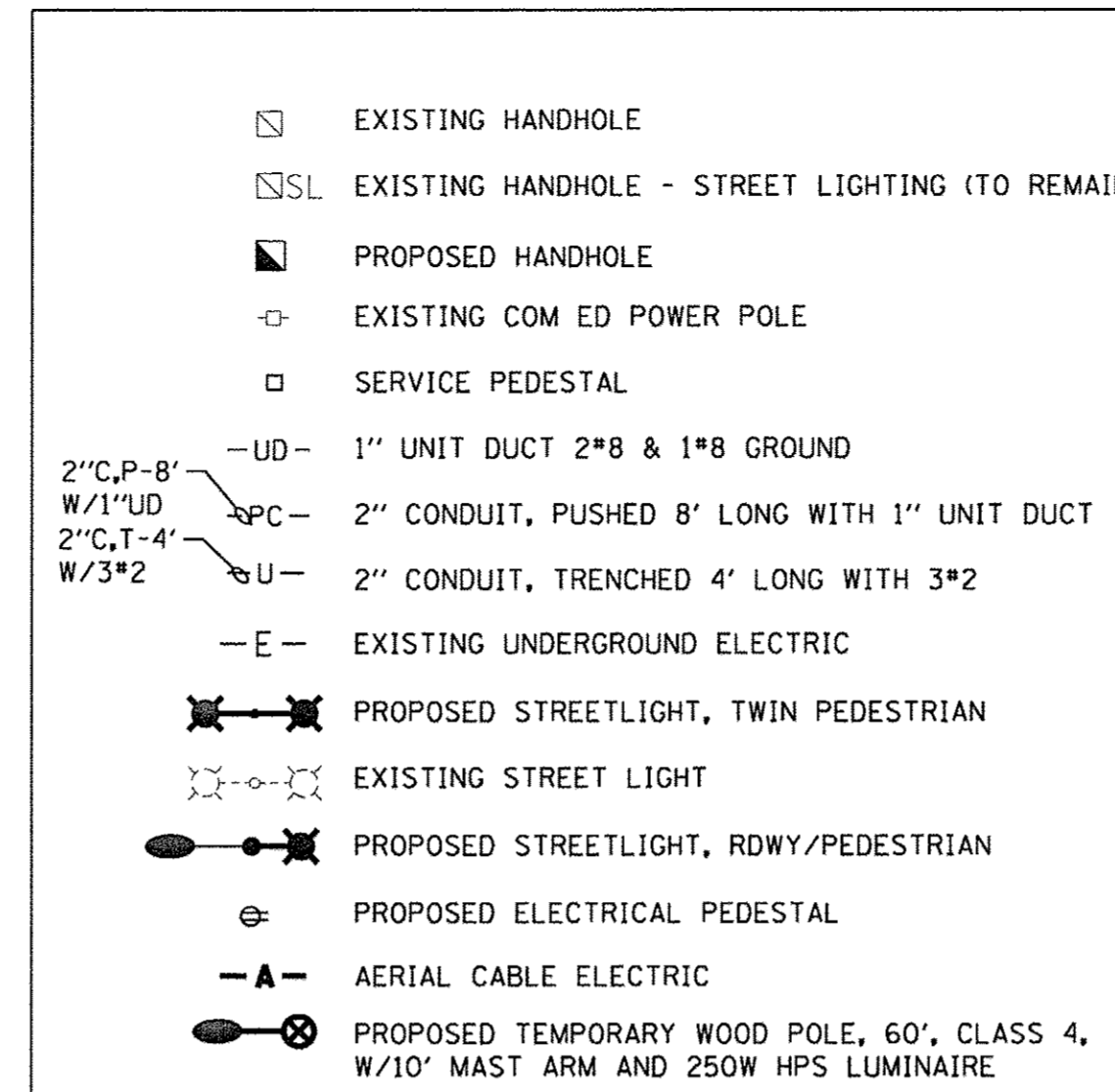
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W:\dtsatcd\22x\34\ts07.dgn		DRAWN -	REVISED -		DETAILS FOR ROADWAY RESURFACING						96	72
		CHECKED - R.K.F.	REVISED -		SCALE: NONE			TS-07		CONTRACT NO.		
		DATE - 1/4/2008	REVISED -		SHEET NO. 1 OF 1 SHEETS STA.			TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

LIGHTING NOTES

- FIELD ADJUSTMENT OF LIGHTING UNIT LOCATIONS TO AVOID CONFLICTS MUST BE APPROVED BY THE VILLAGE AND/OR ENGINEER.
- CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING CONDUITS, DETECTORS AND EQUIPMENT. IF ANY OF THE CONDUIT AND/OR EQUIPMENT IS DAMAGED THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE VILLAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
- ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER AS COORDINATED WITH THE VILLAGE. THE WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND/OR BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
- CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING. GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE ENGINEER, AS COORDINATED WITH THE VILLAGE. PRIOR TO BACKFILLING.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "UNDERGROUND RACEWAYS". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER AS COORDINATED WITH THE VILLAGE.
- ALL CONDUITS UNDER ROADWAYS AND DRIVEWAYS IN TRENCHES SHALL BE INSTALLED BEFORE PAVEMENT IS PLACED. CONDUIT LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE ACTUAL LENGTH REQUIREMENTS IN THE FIELD.
- NO UNDERGROUND SPLICES OR SPLICES IN HANDHOLES WILL BE PERMITTED. ELECTRIC HANDHOLES SHALL BE USED FOR THE PURPOSE OF PULLING CABLES ONLY.
- LIGHTING UNIT SETBACK SHALL BE AS CALLED OUT ON PLANS.
- ALL ELECTRICAL DEVICES AND MATERIALS SHALL BE U/L LISTED WHERE APPLICABLE.
- INSTALL EXISTING FLOODLIGHT REMOVED FROM STREET LIGHTING UNIT AT MEMORIAL PLAZA (GLENVIEW RD. & RIVER DR.) ON POLE OF NEW STREET LIGHTING UNIT C2L6 AT MEMORIAL PLAZA.
- MODIFY EXISTING LIGHTING CONTROLLERS "C1" AND "C3" BY ADDING NON-PHOTOCELL CONTROLLED 110VAC, 20A CIRCUIT TO PROVIDE SERVICE TO PROPOSED IRRIGATION CONTROLLERS.
- REUSE EXISTING POLE FOUNDATION. CUT EXISTING ANCHOR BOLTS FLUSH WITH TOP OF FOUNDATION. DRILL/INSTALL EPOXY ANCHOR BOLTS. SEE LIGHTING DETAILS.

LEGEND



SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	709
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	7
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	2575
81603063	UNIT DUCT, 600V, 4-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2887
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1690
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	240
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	48
84200804	REMOVAL OF POLE FOUNDATION	EACH	43
84400105	RELOCATE EXSTING LIGHTING UNIT	EACH	1
X1400088	POWER PEDESTALS	EACH	35
X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	32
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	11
X8410102	TEMPORARY LIGHTING SYSTEM		1
X8410103	REMOVE TEMPORARY LIGHTING SYSTEM	LSUM	1
X8950130	MODIFY EXSTING LIGHTING CONTROLLER	EACH	2
X8360095	EXSTING LIGHT POLE FOUNDATION ADJUSTMENT	EACH	5
XX002065	LIGHTING UNIT COMPLETE	EACH	4
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12
	REMOVAL OF OUTDOOR RECEPTACLE	EACH	35

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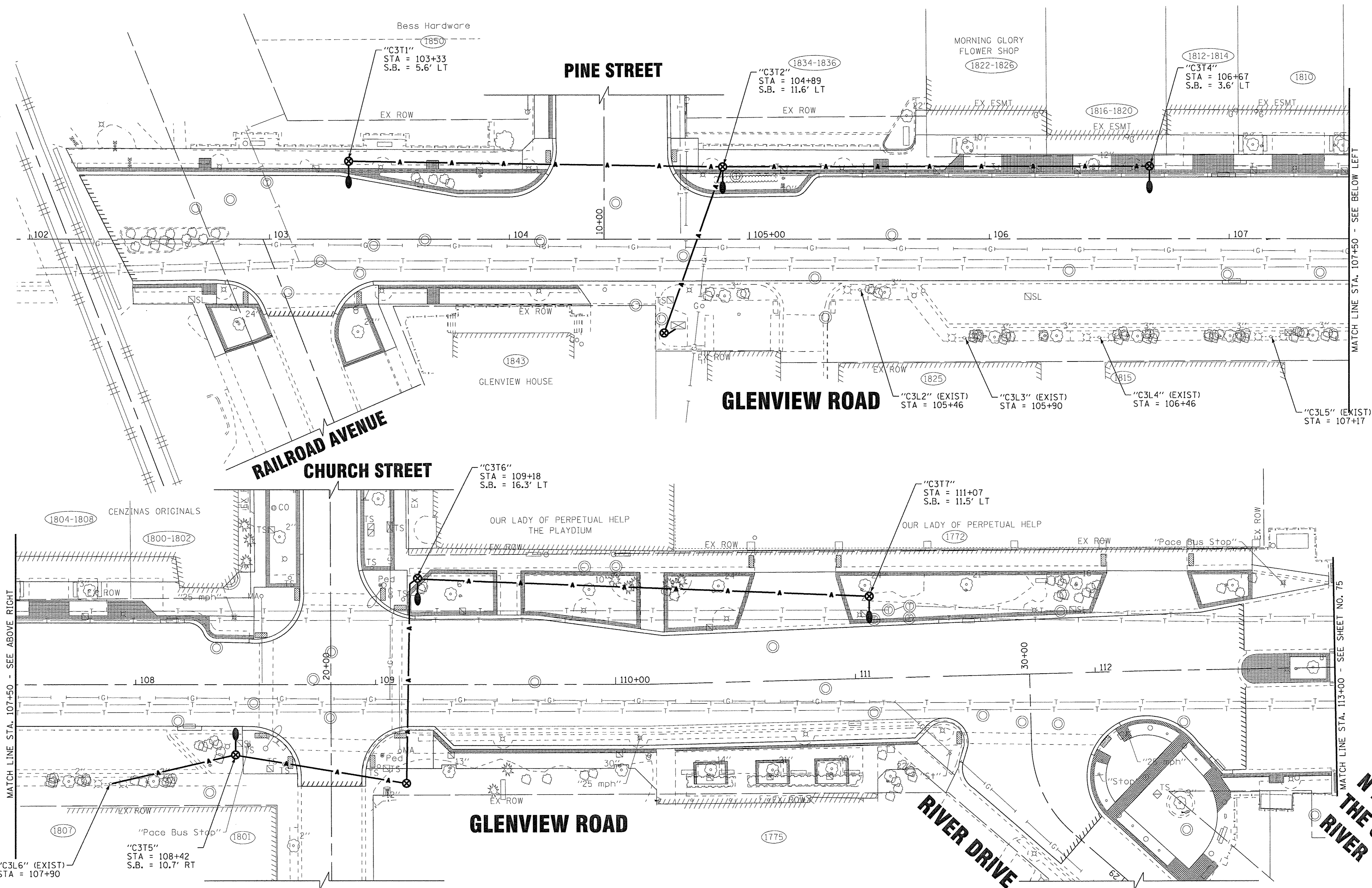
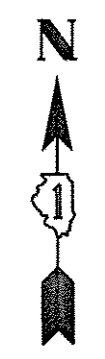
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING NOTES AND LIGHTING SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	73
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61D32	



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	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT_SL1-TEMP.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLAN

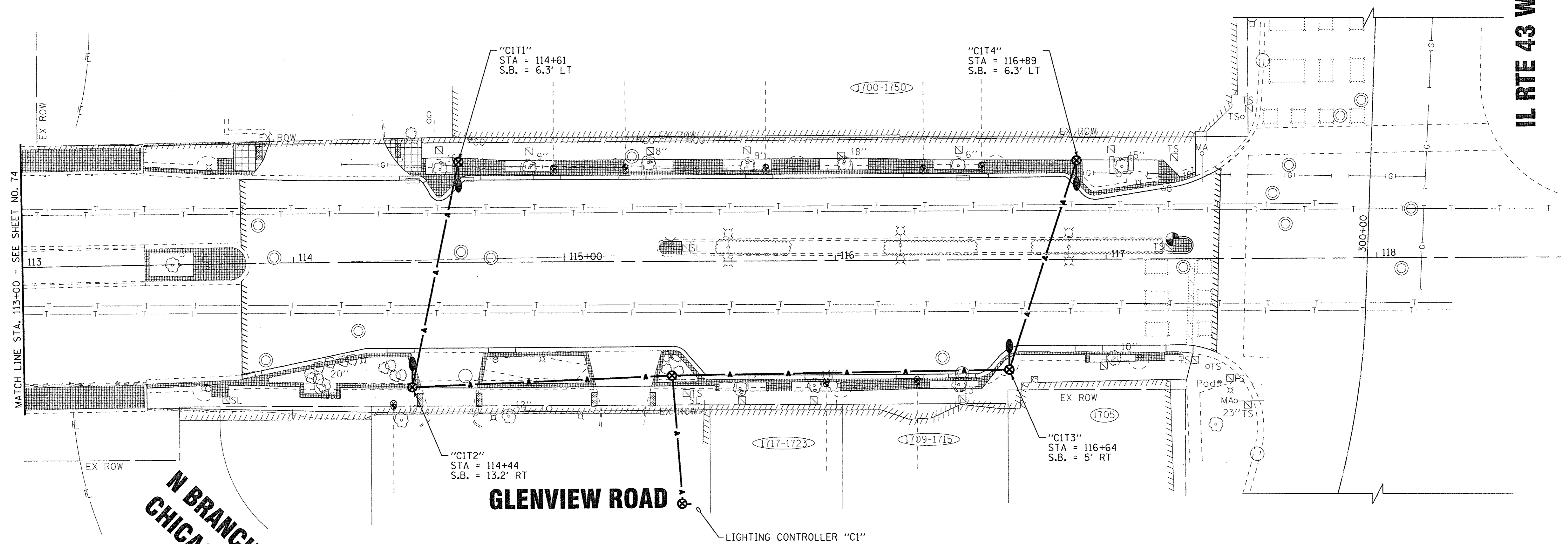
SCALE: 1" = 20' STA. 102+20.74 TO STA. 113+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	74
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	

N BRANCH OF THE CHICAGO RIVER



IL RTE 43 WAUKEGAN ROAD



LEGEND	
	EXISTING HANDHOLE
	EXISTING HANDHOLE - STREET LIGHTING (TO REMAIN)
	PROPOSED HANDHOLE
	EXISTING COM ED POWER POLE
	SERVICE PEDESTAL
	1" UNIT DUCT 2"Ø & 1"Ø GROUND
	2" CONDUIT, PUSHED 8' LONG WITH 1" UNIT DUCT
	2" CONDUIT, TRENCHED 4' LONG WITH 3"Ø
	EXISTING UNDERGROUND ELECTRIC
	AERIAL CABLE ELECTRIC
	EXISTING STREET LIGHT
	PROPOSED TEMPORARY WOOD POLE, 60', CLASS 4, W/10' MAST ARM AND 250W HPS LUMINAIRE

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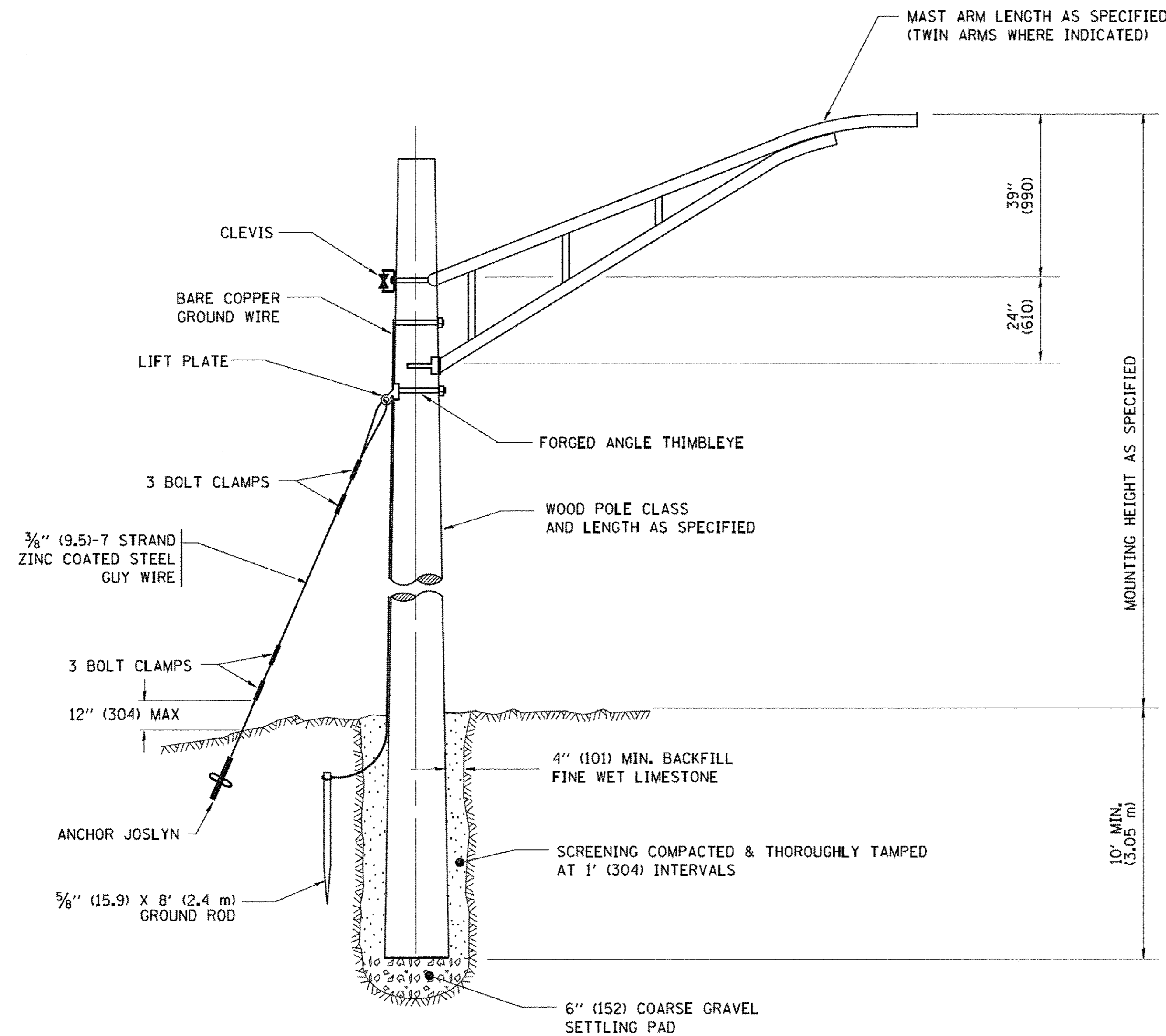
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING PLAN

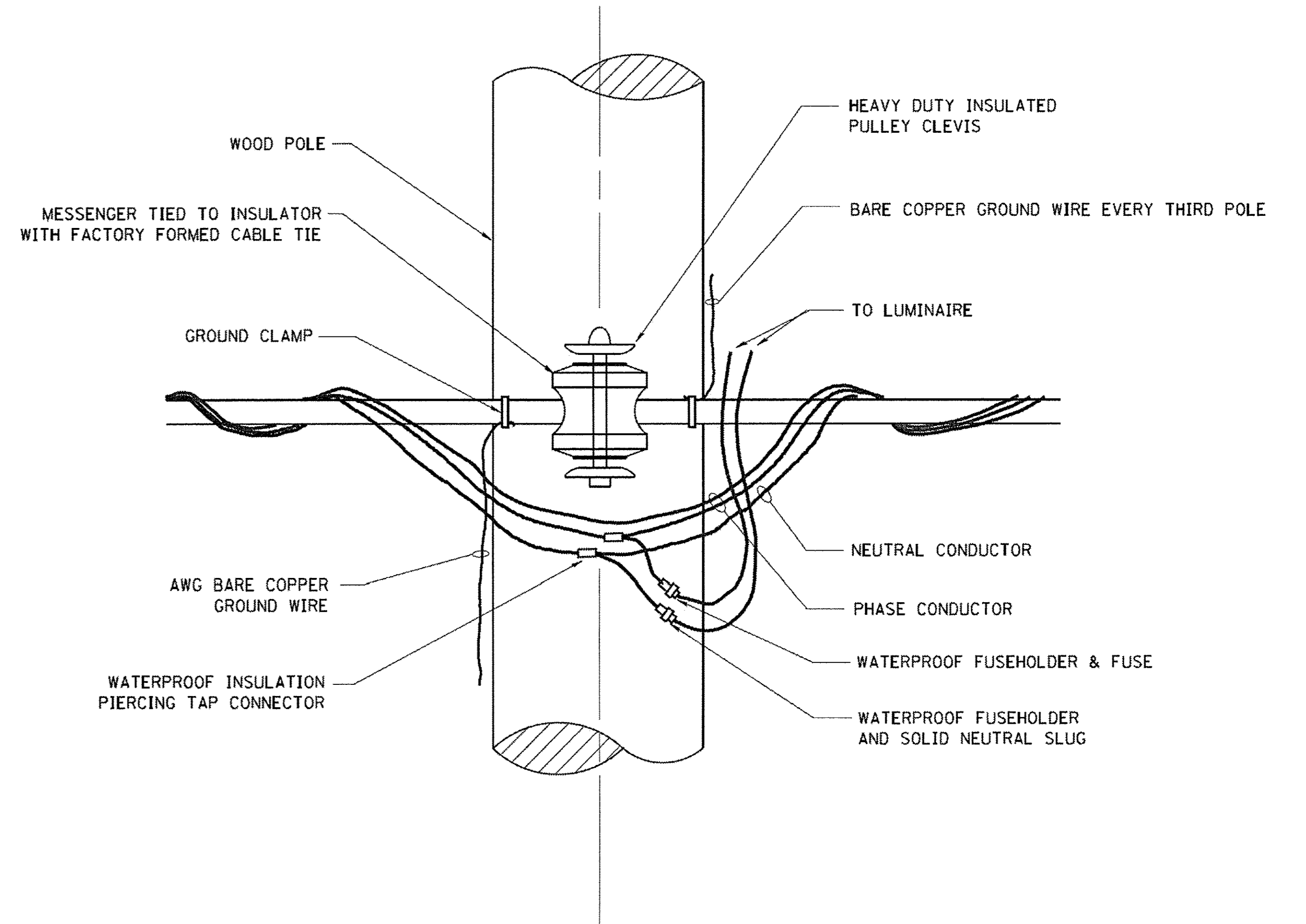
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STA. 113+00 TO STA. 117+41.52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	75
		CONTRACT NO. 61D32		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TEMPORARY LIGHT POLE DETAIL



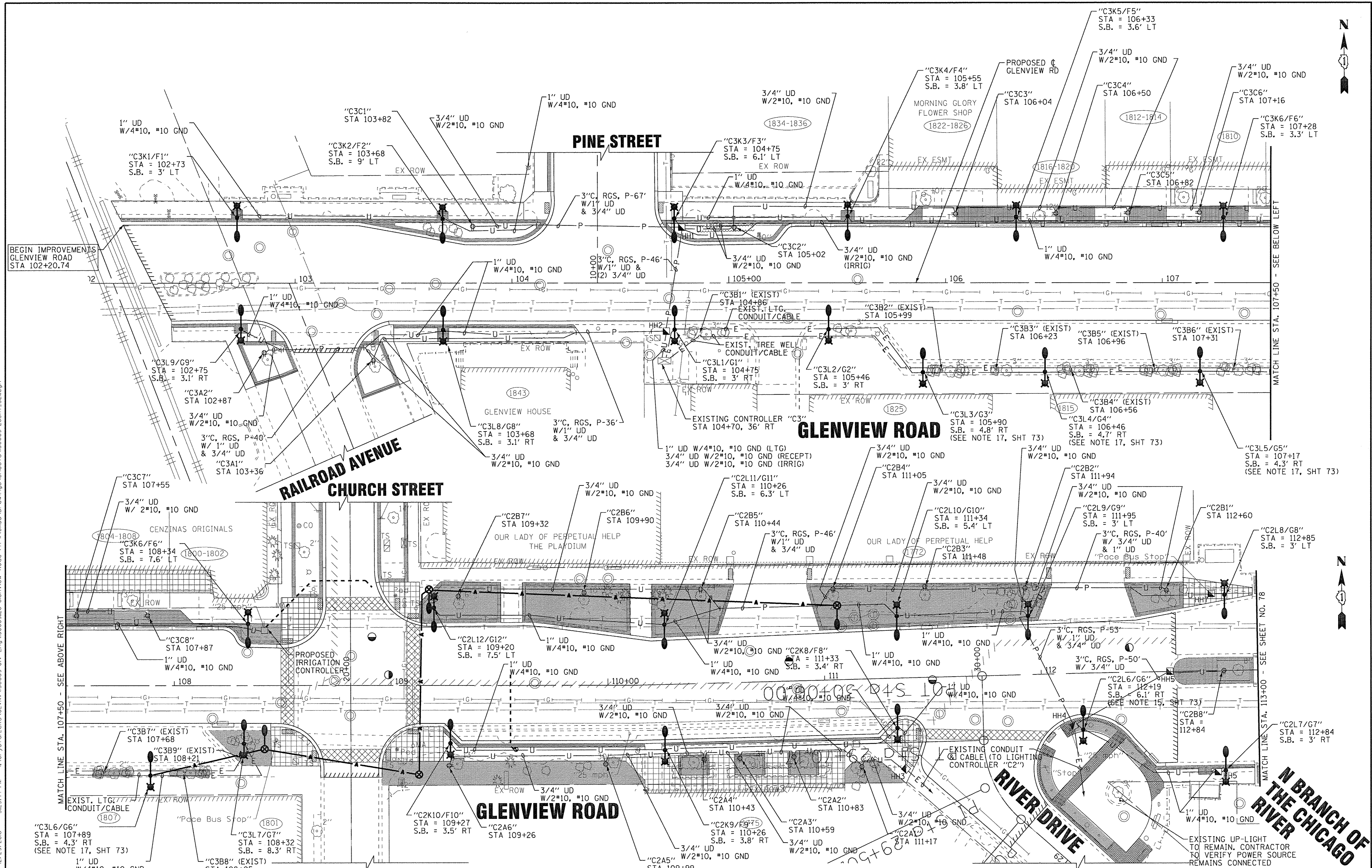
TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTES:

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

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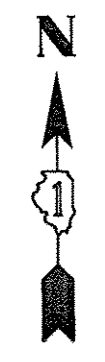
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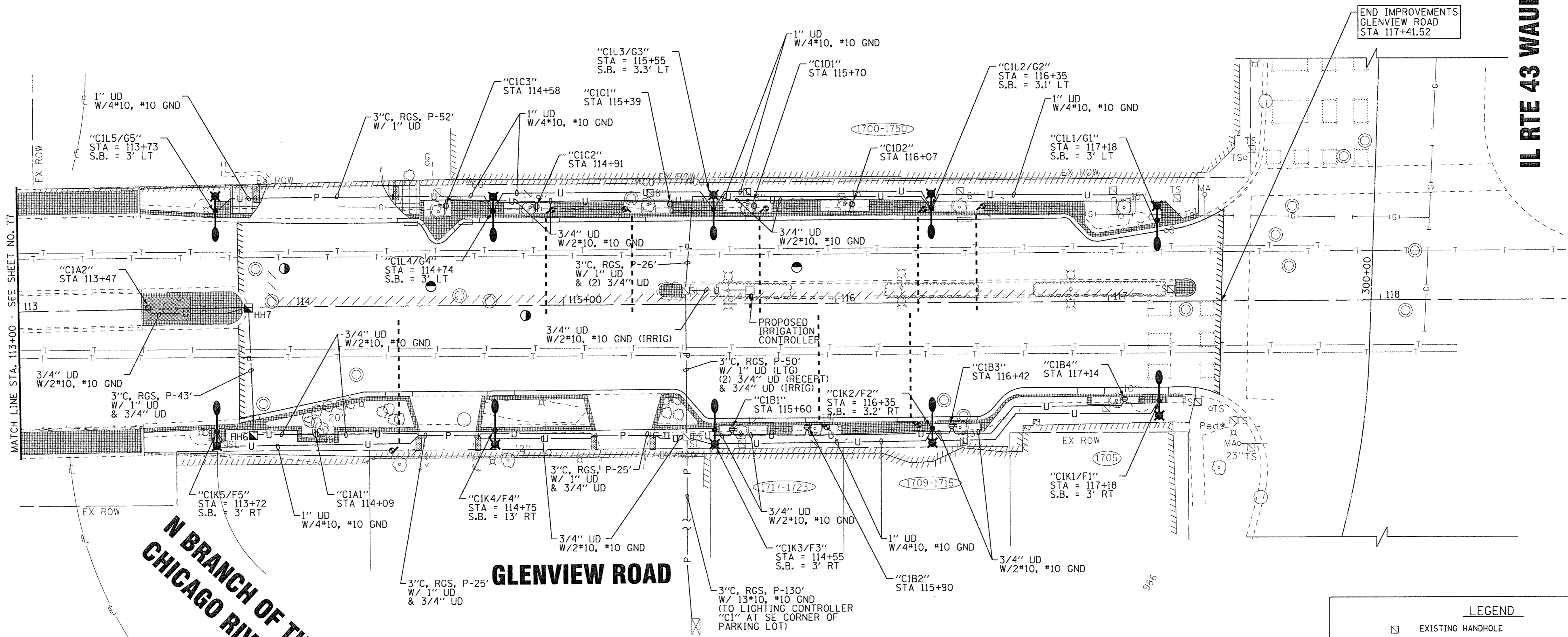
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DEPARTMENT OF TRANSPORTATION

LIGHTING PLAN SCALE: 1" = 20' STA. 102+0.74 TO STA. 113+0.00	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1297	15-00192-00-RS	COOK	96	77
	CONTRACT NO. 61D32				

EXISTING UP-LIGHT TO REMAIN. CONTRACTOR TO VERIFY POWER SOURCE REMAINS CONNECTED
 MATCH LINE STA. 113+00 - SEE SHEET NO. 78
 MATCH LINE STA. 107+50 - SEE BELOW LEFT



IL RTE 43 WAUKEGAN ROAD



N BRANCH OF THE CHICAGO RIVER

GLENVIEW ROAD

END IMPROVEMENTS
GLENVIEW ROAD
STA 117+41.52

MATCH LINE STA. 113+00 - SEE SHEET NO. 77

LEGEND

- ◻ EXISTING HANDHOLE
- ◻ SL EXISTING HANDHOLE - STREET LIGHTING (TO REMAIN)
- ◻ PROPOSED HANDHOLE
- ◻ EXISTING COM ED POWER POLE
- ◻ SERVICE PEDESTAL
- UD- 1" UNIT DUCT 2"8 & 1"8 GROUND
- 2"C,P-8' W/1"UD - 2" CONDUIT, PUSHED 8' LONG WITH 1" UNIT DUCT
- 2"C,T-4' W/3"2 - 2" CONDUIT, TRENCHED 4' LONG WITH 3"2
- E- EXISTING UNDERGROUND ELECTRIC
- ◻ PROPOSED STREETLIGHT, TWIN PEDESTRIAN
- ◻ EXISTING STREET LIGHT
- ◻ PROPOSED STREETLIGHT, RDWY/PEDESTRIAN
- ◻ PROPOSED ELECTRICAL PEDESTAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

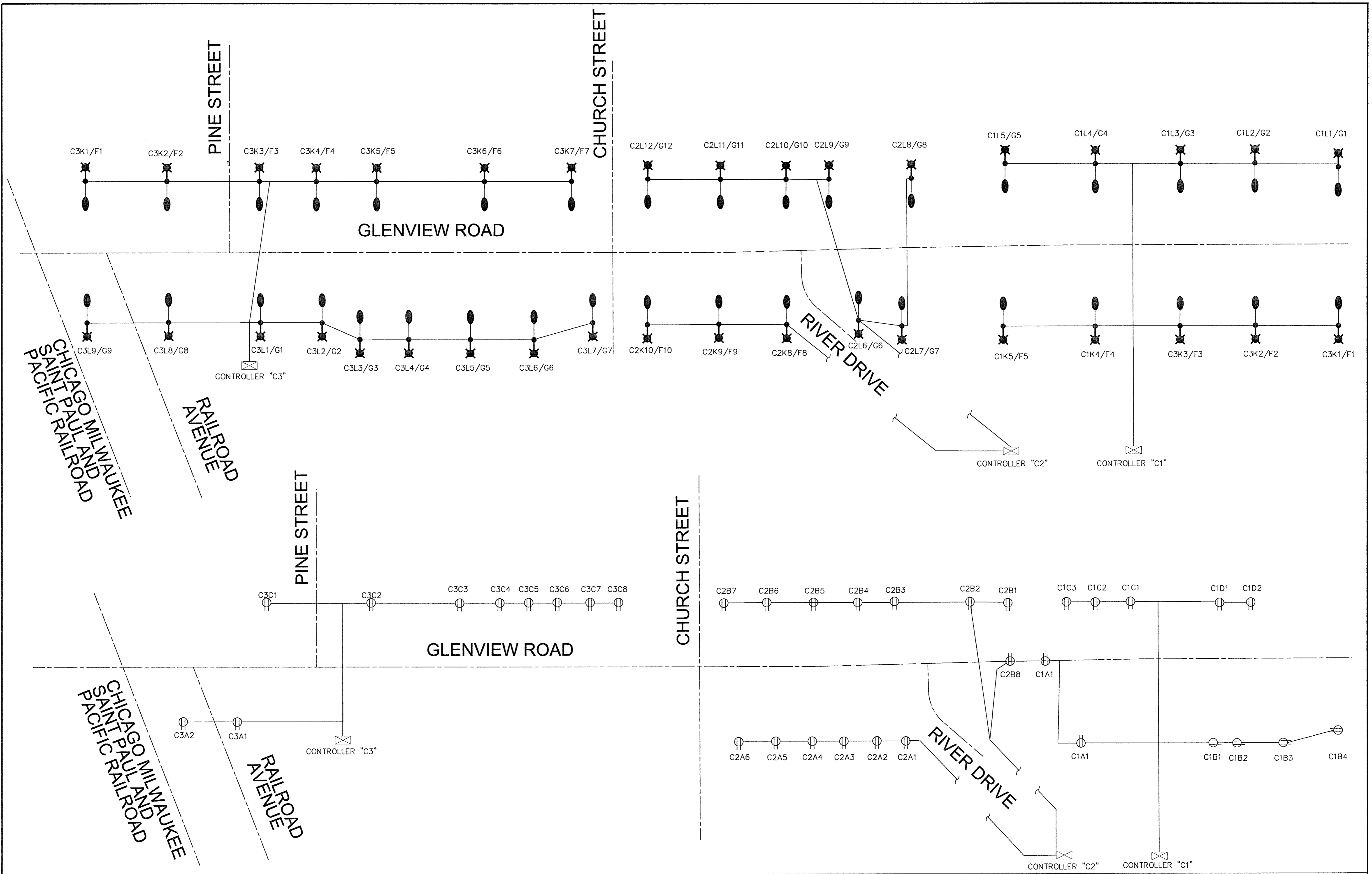
LIGHTING PLAN

SCALE: 1" = 20'

STA. 113+00 TO STA. 117+41.52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	78
CONTRACT NO. 61D32				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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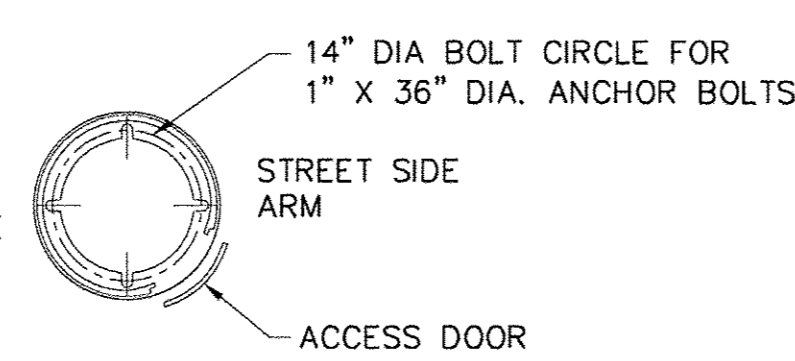
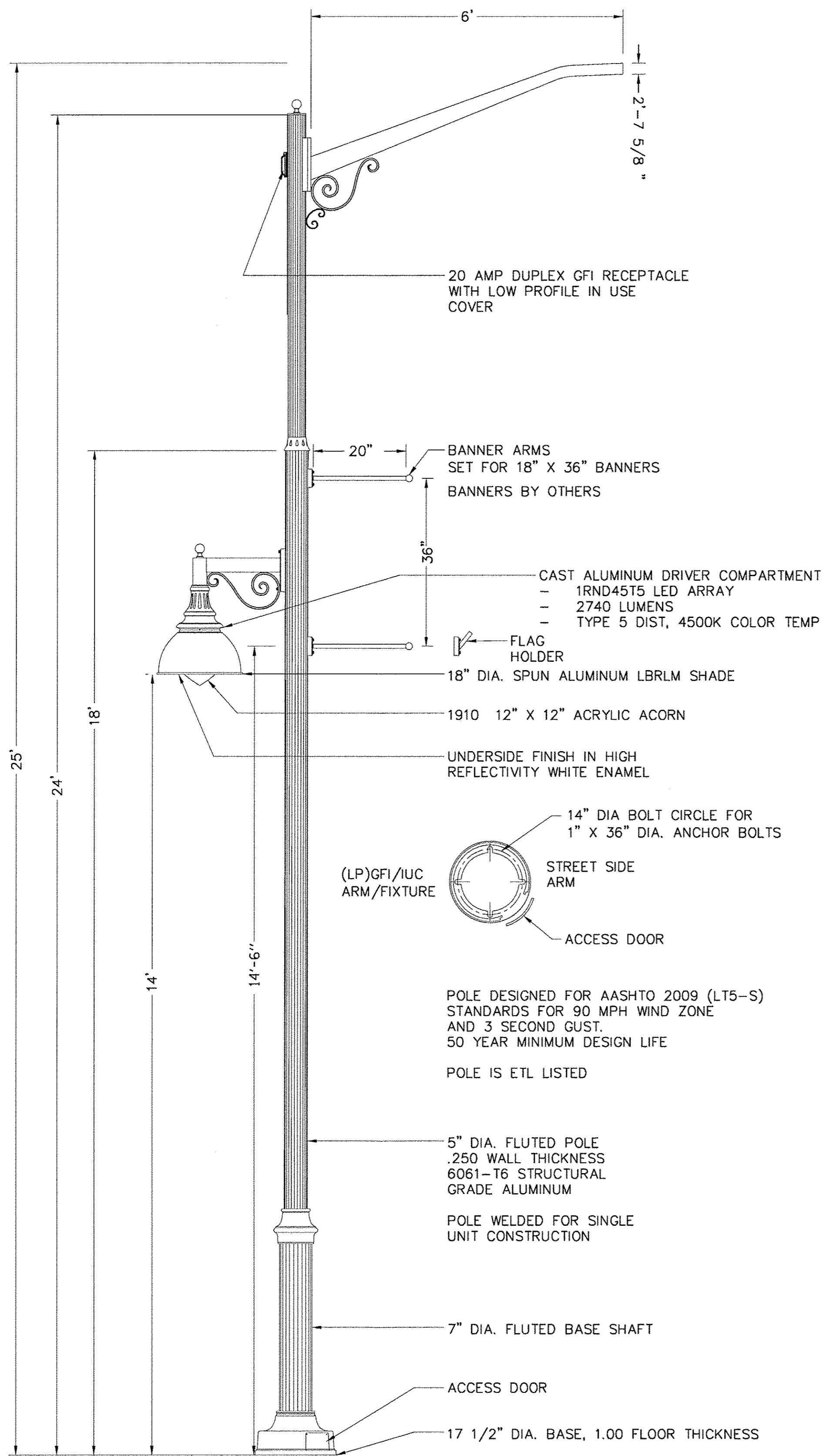
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	CHECKED - JCC	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE LINE DIAGRAM

SCALE: _____ STA. _____ TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	79
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61D32				



POLE DESIGNED FOR AASHTO 2009 (LT5-S) STANDARDS FOR 90 MPH WIND ZONE AND 3 SECOND GUST. 50 YEAR MINIMUM DESIGN LIFE. POLE IS ETL LISTED.

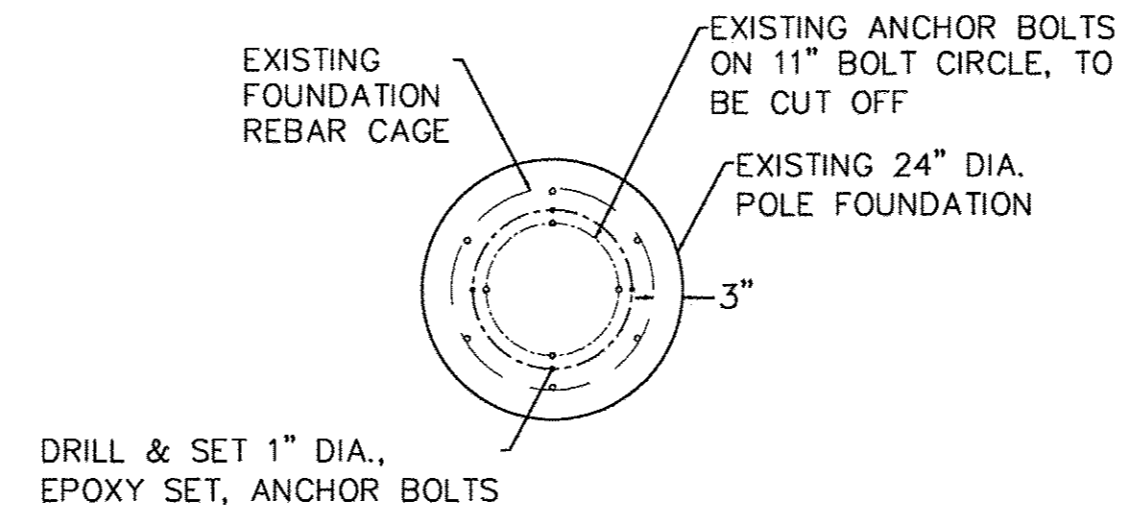
5" DIA. FLUTED POLE .250 WALL THICKNESS 6061-T6 STRUCTURAL GRADE ALUMINUM

POLE WELDED FOR SINGLE UNIT CONSTRUCTION

7" DIA. FLUTED BASE SHAFT

ACCESS DOOR

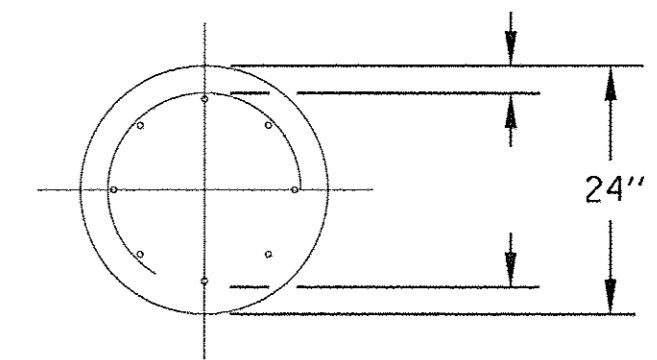
17 1/2" DIA. BASE, 1.00 FLOOR THICKNESS



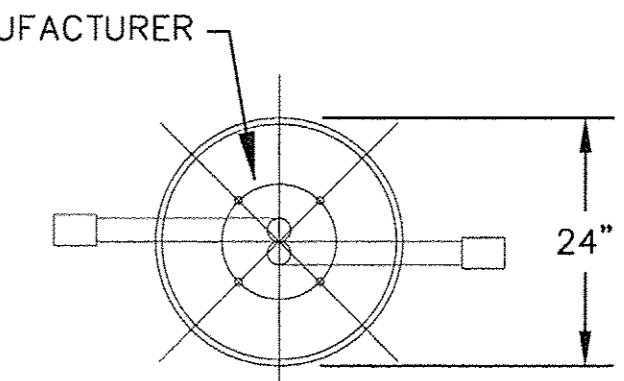
DRILL & SET 1" DIA., EPOXY SET, ANCHOR BOLTS

EXISTING FOUNDATION MODIFICATION
NO SCALE

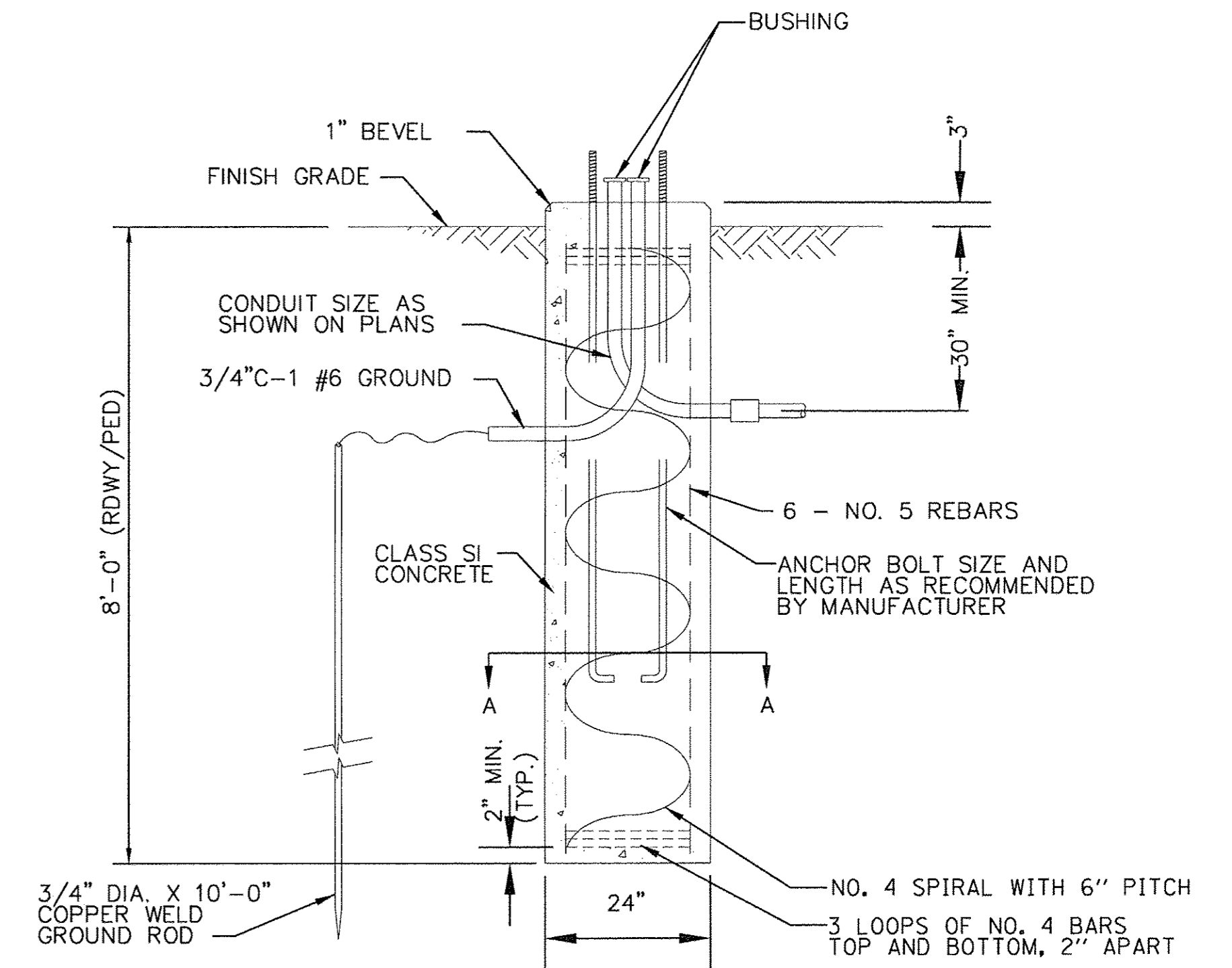
- NOTES:
1. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY CENTERED AND SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
 2. THE HOLE FOR THE FOUNDATION SHALL BE MADE WITH AN AUGER OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
 3. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 1 INCH.
 4. CABLE TRENCHES AND FOUNDATIONS SHALL BE BACKFILLED AND COMPACTED, AND CONCRETE CURED ACCORDING TO APPLICABLE STANDARDS BEFORE LIGHT POLES MAY BE INSTALLED.
 5. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE ANCHOR ROD SHALL BE THREADED A MINIMUM OF 6 INCHES WITH A MINIMUM OF 3" OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION AND PROJECT A MINIMUM OF 2 3/4" ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
 6. THE CONTRACTOR MAY USE A #4 SPIRAL AT 6" PITCH OR #4 TIES AT 12" O.C.
 7. RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.



SECTION A-A
3"



TOP VIEW



FOUNDATION DETAIL
NO SCALE

GLENVIEW LIGHTING STANDARD, ROADWAY/PEDESTRIAN

NO SCALE
NOTE: HALF OF THE UNITS TO HAVE BANNER ARMS, HALF TO HAVE FLAG HOLDERS

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	CHECKED - JCC	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING DETAILS	
SCALE: NONE	STA. TO STA.

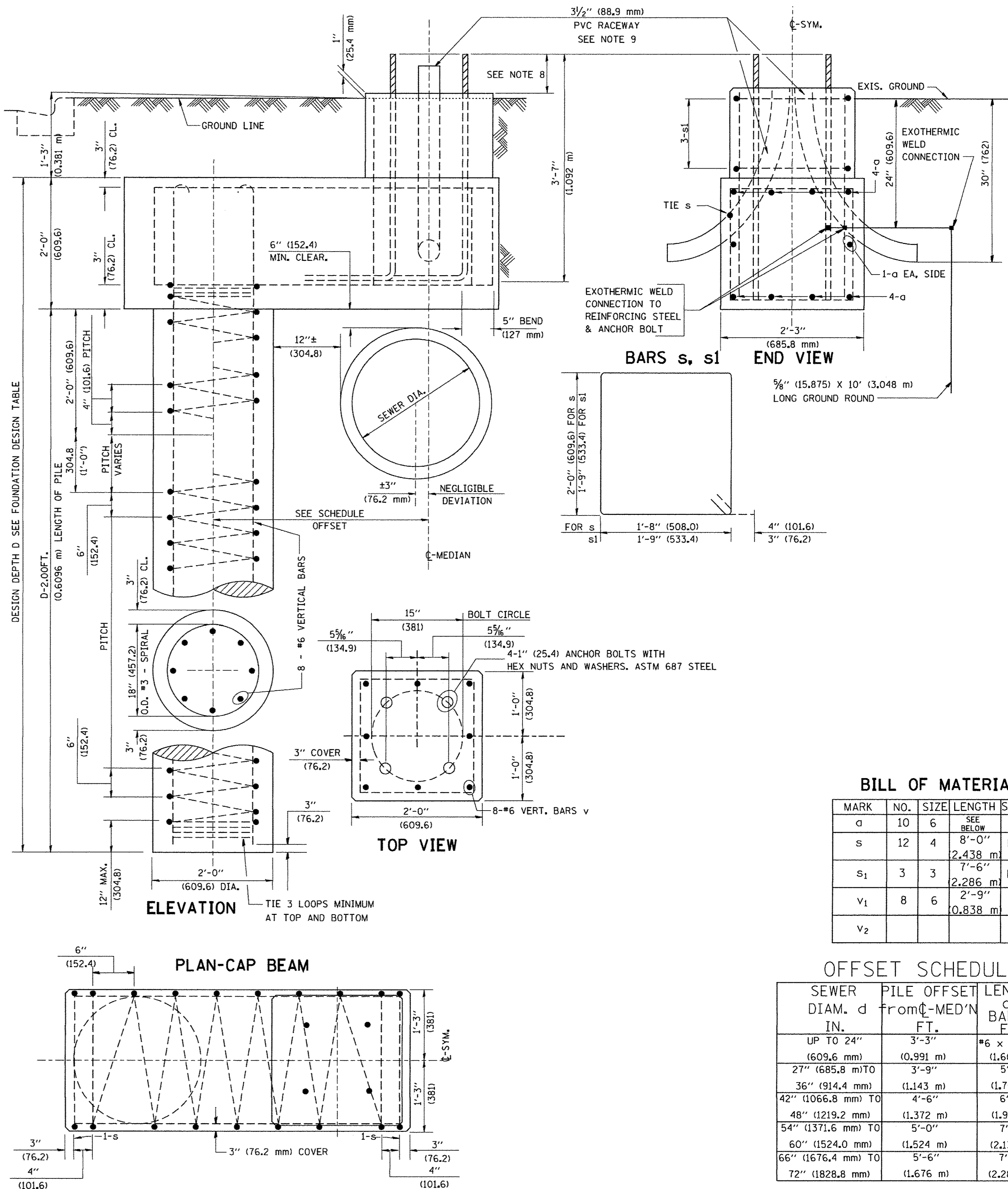
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	80
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61D32	

FOUNDATION DESIGN TABLE

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

NOTES

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



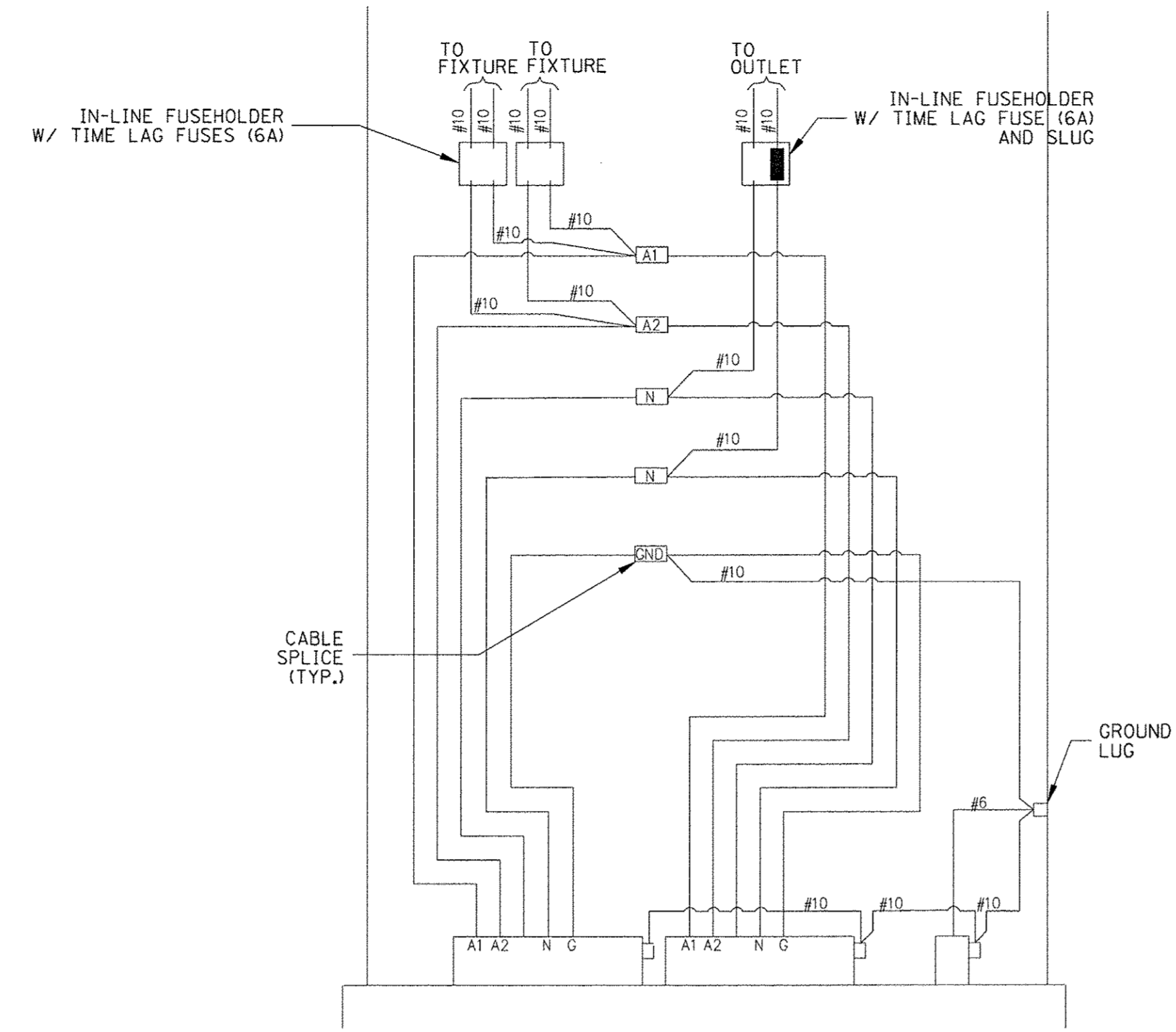
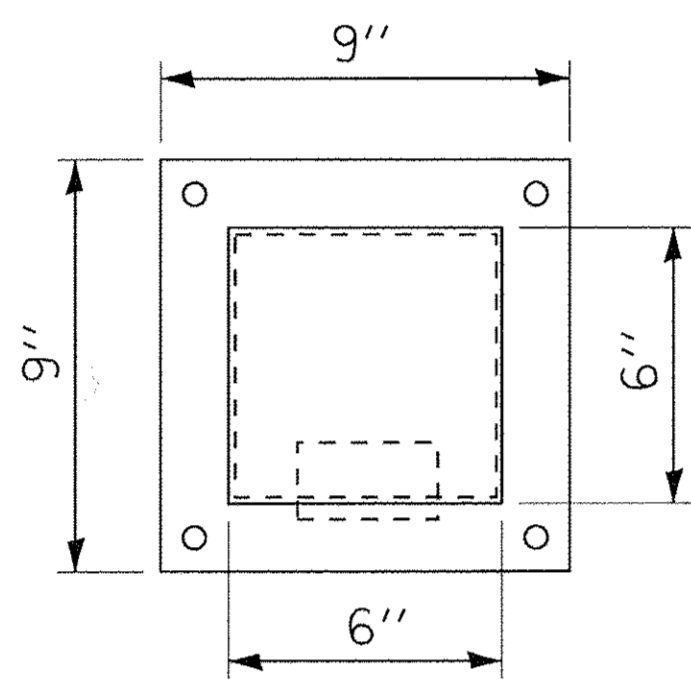
BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s1	3	3	7'-6" (2.286 m)	□
v1	8	6	2'-9" (0.838 m)	—
v2				

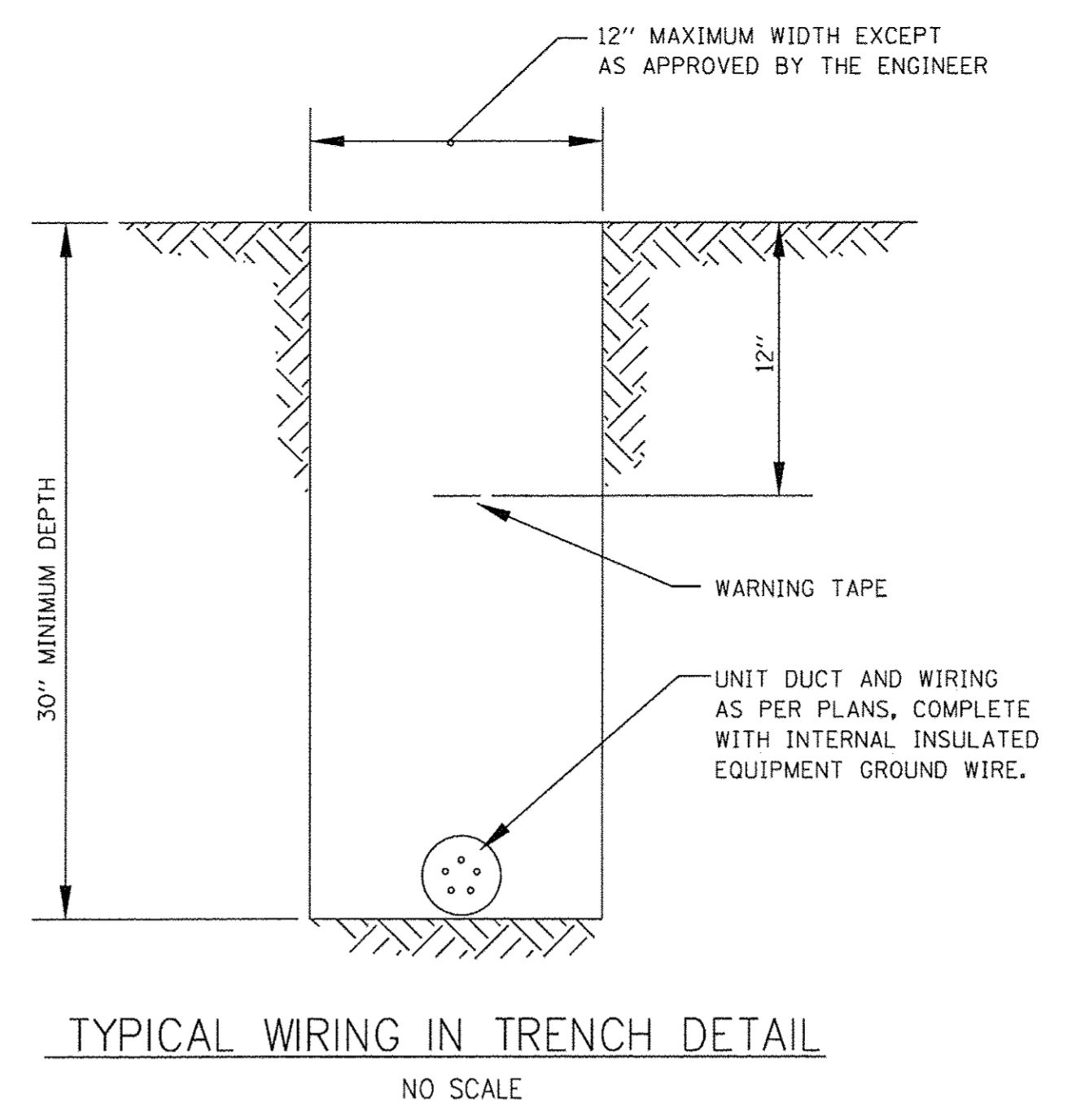
OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET FROM CL-MED'N FT.	LENGTH OF BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

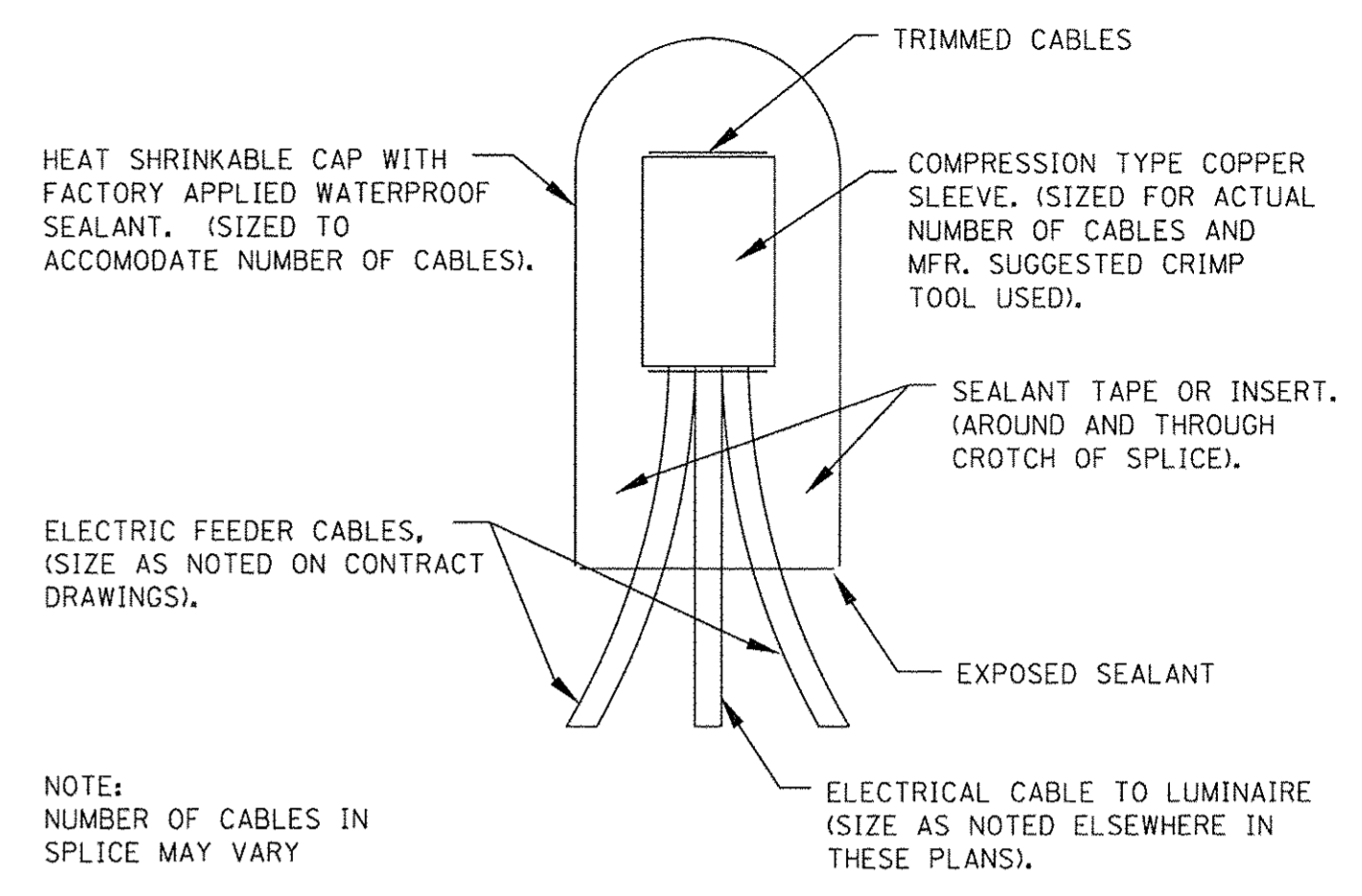
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 DESIGNED - 06-16-08 R. TOMSONS
 DRAWN -
 CHECKED -
 DATE -
 PLOT SCALE = 50.000 / IN.
 PLOT DATE = 6/16/2008
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 LIGHT POLE FOUNDATION OFFSET 40" (1016 mm) TO 47 1/2" (1206 mm) M.H. 15" (381 mm) BOLT CIRCLE
 F.A.U. RTE. 1297 SECTION 15-00192-00-RS COUNTY COOK TOTAL SHEETS 96 SHEET NO. 80A
 BE-310 CONTRACT NO. 61D32 ILLINOIS FED. AID PROJECT
 SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.



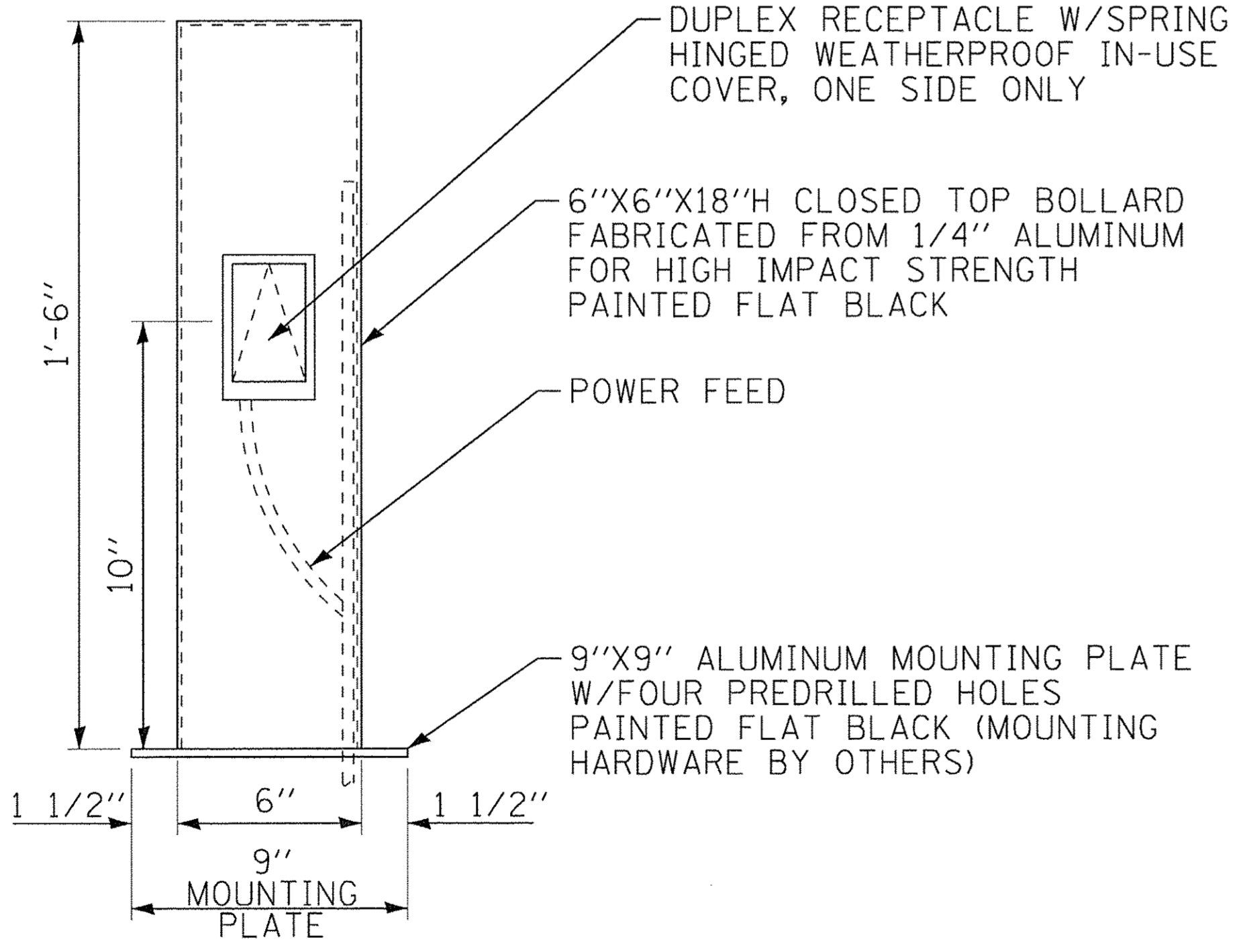
TWIN ARM POLE BASE WIRING DETAIL
NO SCALE



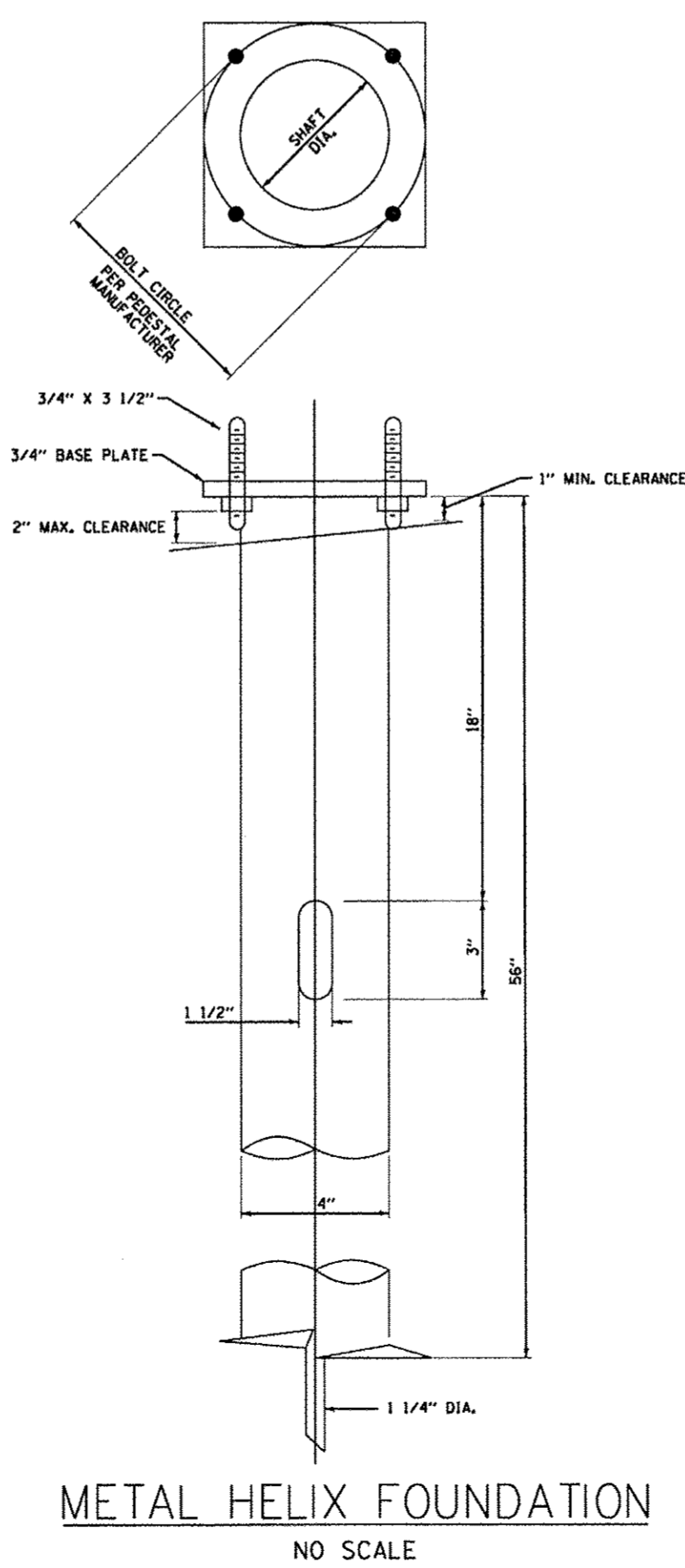
TYPICAL WIRING IN TRENCH DETAIL
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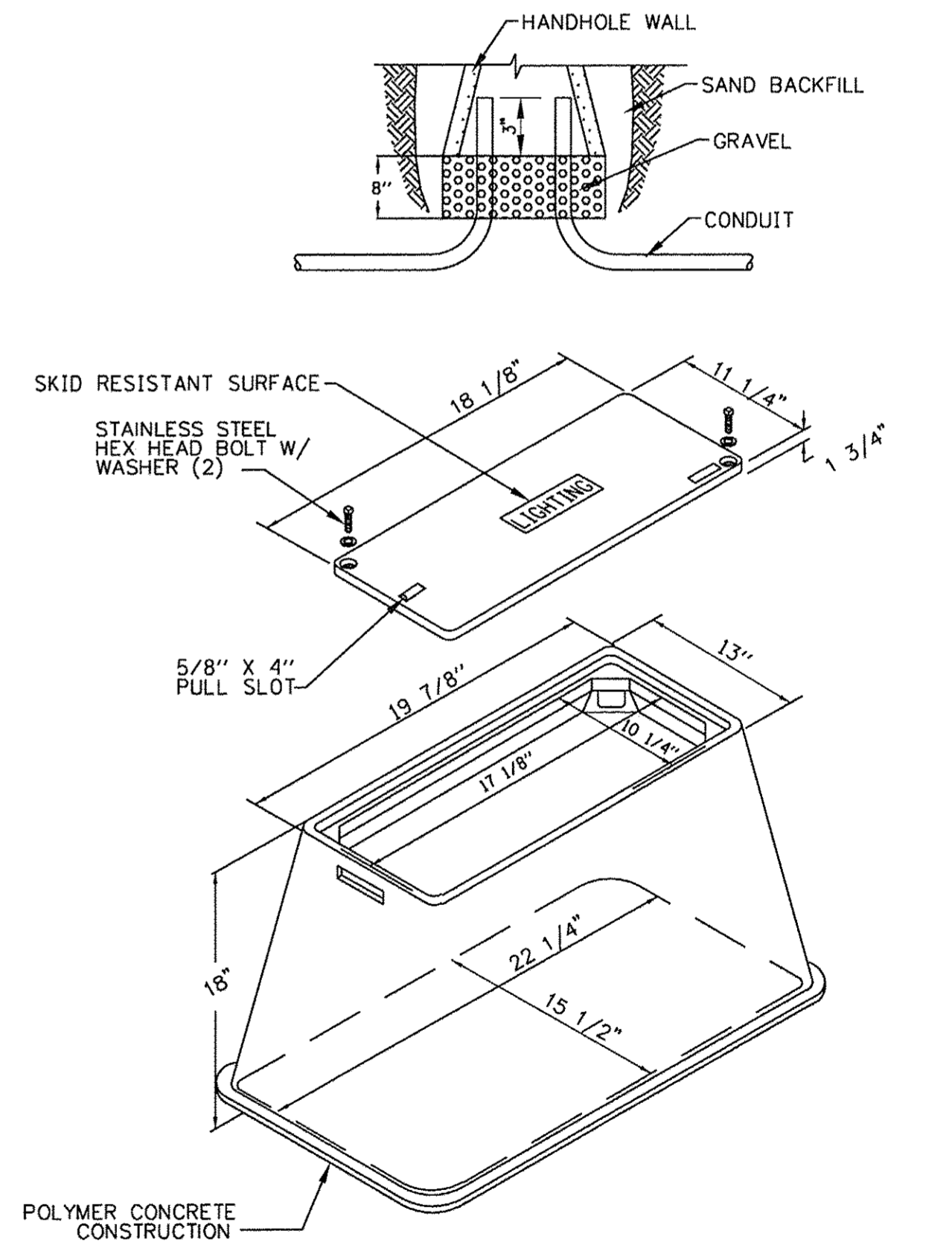
SPlicing ELECTRICAL Cables
BASIC MATERIALS AND METHODS
NO SCALE



ELECTRICAL PEDESTAL W/BASE DETAIL
NO SCALE



METAL HELIX FOUNDATION
NO SCALE



HANDHOLE COMPOSITE (12" X 18")
NO SCALE

NOTES:

- ALL MATERIALS SHALL BE GALVANIZED ACCORDING TO AASHTO M111.
- ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
- THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE INSTALLATION.
- ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
- METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
- THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT/LBS. METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
- THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
- THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2°).
- THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURER'S NAME AND DATE OF MANUFACTURE.

- NOTES:**
1. ANCHOR PEDESTAL TO CONCRETE FOUNDATION.
 2. STUB UP CONDUIT MINIMUM 6" INSIDE PEDESTAL.
 3. PROVIDE BUSHING ON END OF CONDUIT.
 4. GROUNDING LUG PROVIDED INSIDE PEDESTAL.

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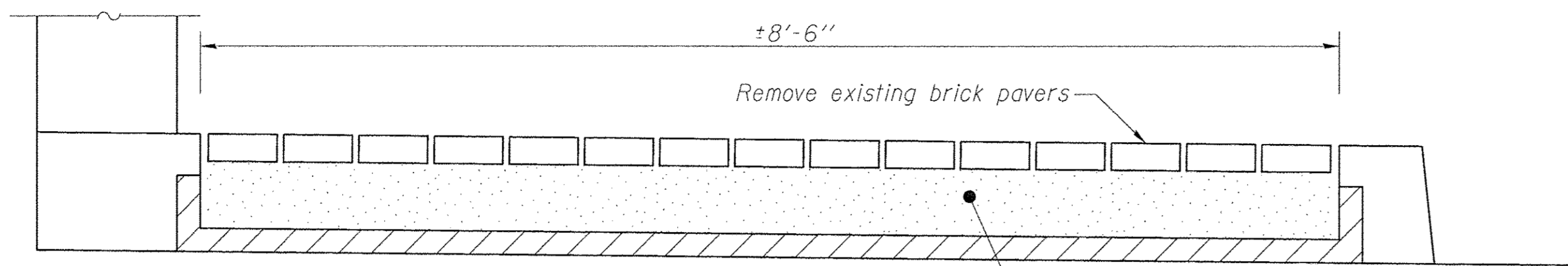
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DEPARTMENT OF TRANSPORTATION

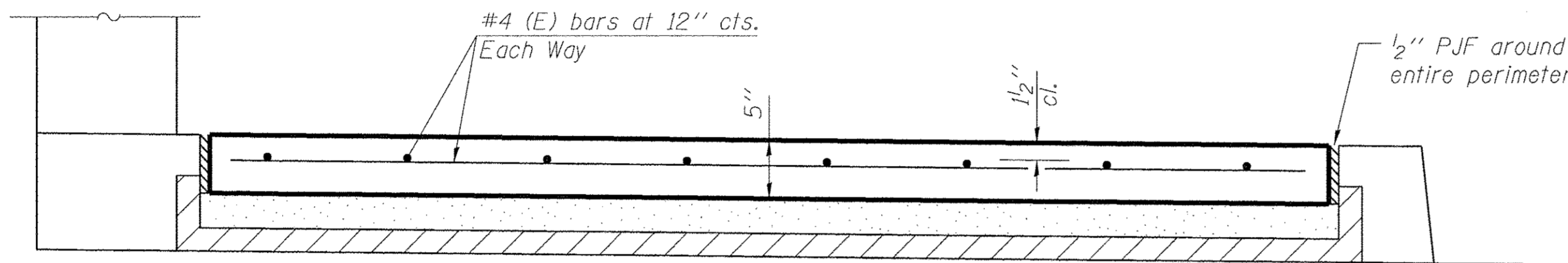
LIGHTING DETAILS

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	81
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61D32				



SECTION A-A (EXISTING)



SECTION A-A (PROPOSED)

NOTES

Removal and disposal of existing brick sidewalk, and removal or re-grading of existing subgrade material included with Brick Sidewalk Removal.

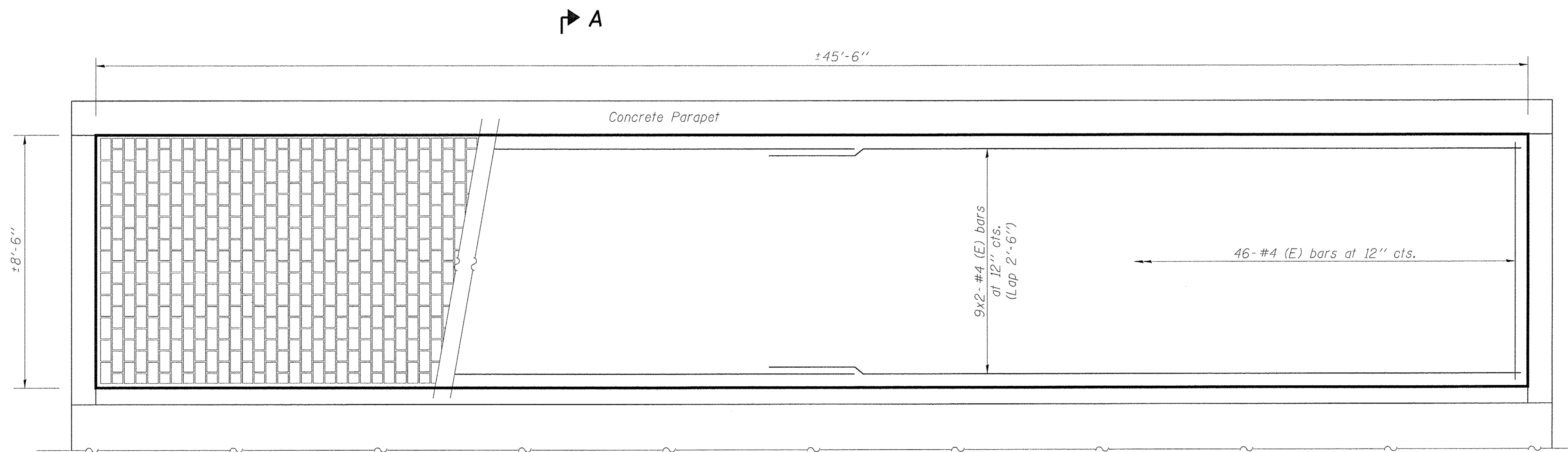
Reinforcement bars shall comply with Section 508 of the Standard Specifications. The reinforcement shown may be substituted by equivalent Welded Wire Reinforcement upon approval by the Engineer. Cost of reinforcement included with Portland Cement Concrete Sidewalk 5 Inch, Special.

Concrete shall be Class BS in accordance with the applicable portions of Section 503 and Section 1020 of the Standard Specifications.

1/2" P.J.F. shall be placed along all interfaces between new and existing concrete. Cost included with Portland Cement Concrete Sidewalk 5 Inch, Special.

3/4" deep joints shall be saw cut into new sidewalk at 10-12' regular intervals. Locate joints at recessed joints in stamped concrete pattern.

Sidewalks shall be stamped and colored in accordance with the pay item Stamped Colored PCC Sidewalk - 5 Inch. See Special Provision. Cost of stamping and coloring sidewalk on bridge shall be included with Portland Cement Concrete Sidewalk 5 Inch, Special.



SHOWING CONCRETE PATTERN

SHOWING REINFORCEMENT

PLAN

North Sidewalk shown
South Sidewalk similar by rotation

BILL OF MATERIAL

Item	Unit	Total
Brick Sidewalk Removal	Sq Ft	774
Portland Cement Concrete Sidewalk 5 Inch, Special	Sq Ft	774

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 016-7056	
SIDEWALK MODIFICATION DETAILS	
SCALE: NONE	STA. TO STA.

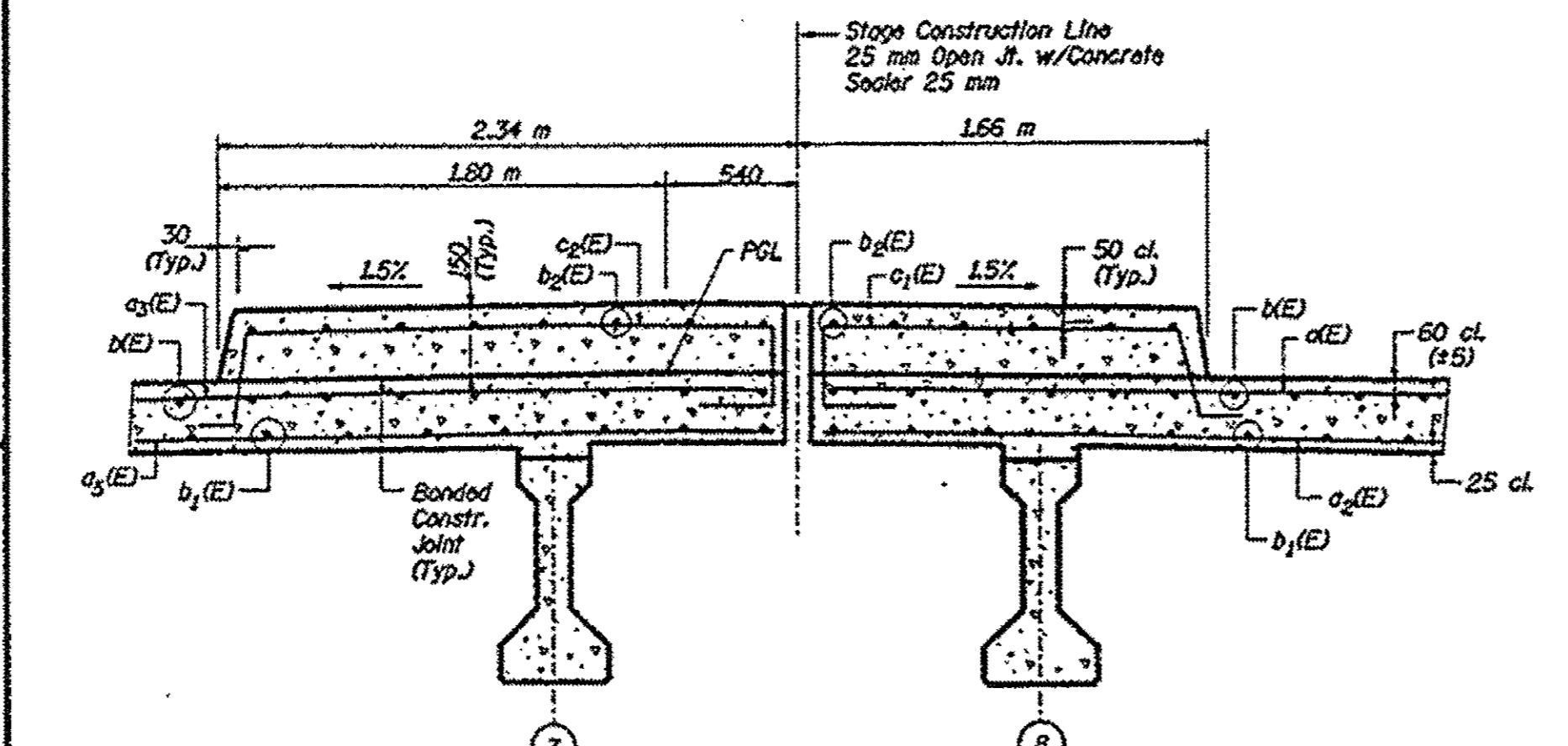
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		CONTRACT NO. 61D32		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

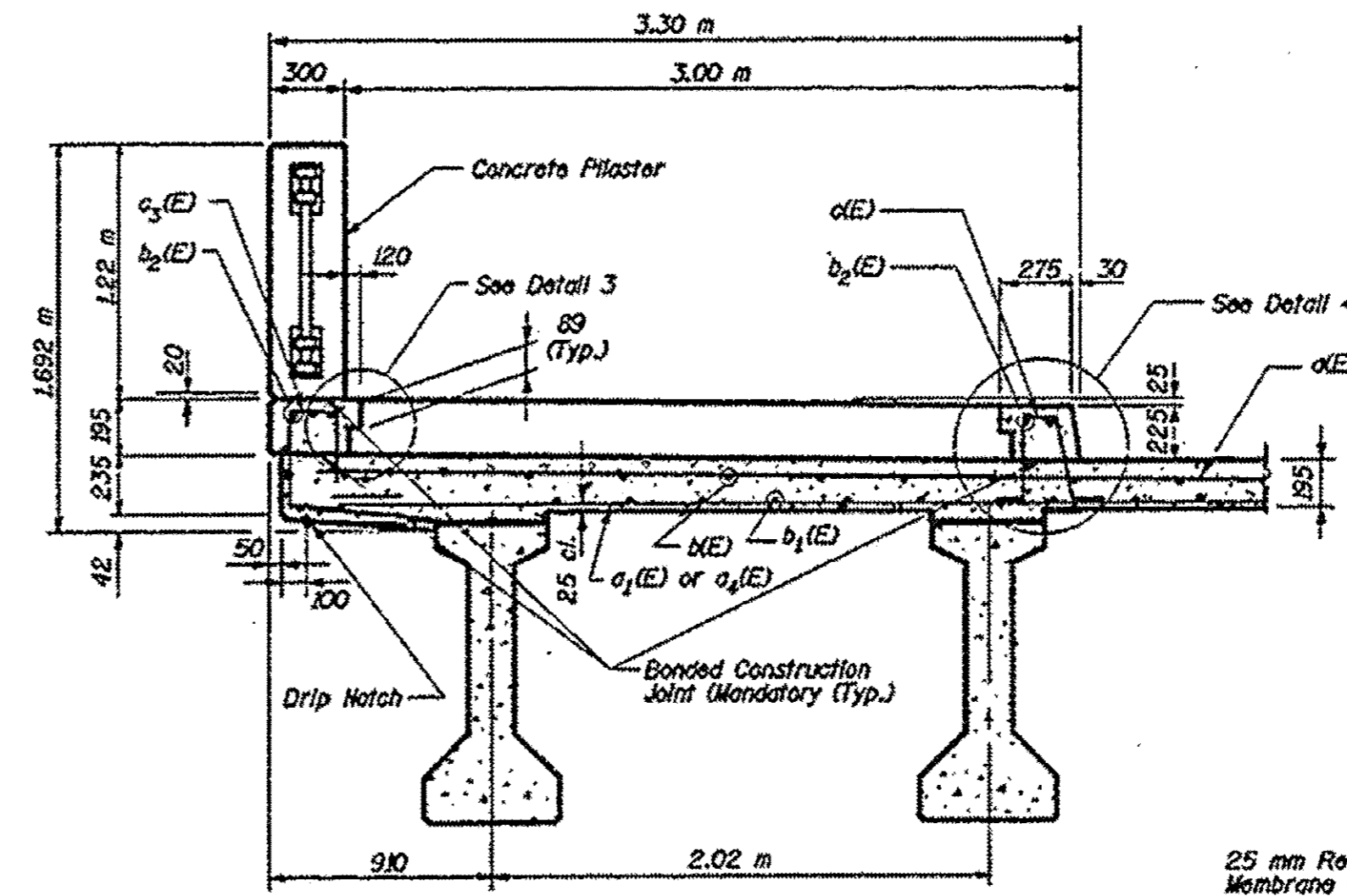
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SHEET NO. 5.1 of 35 SHEETS

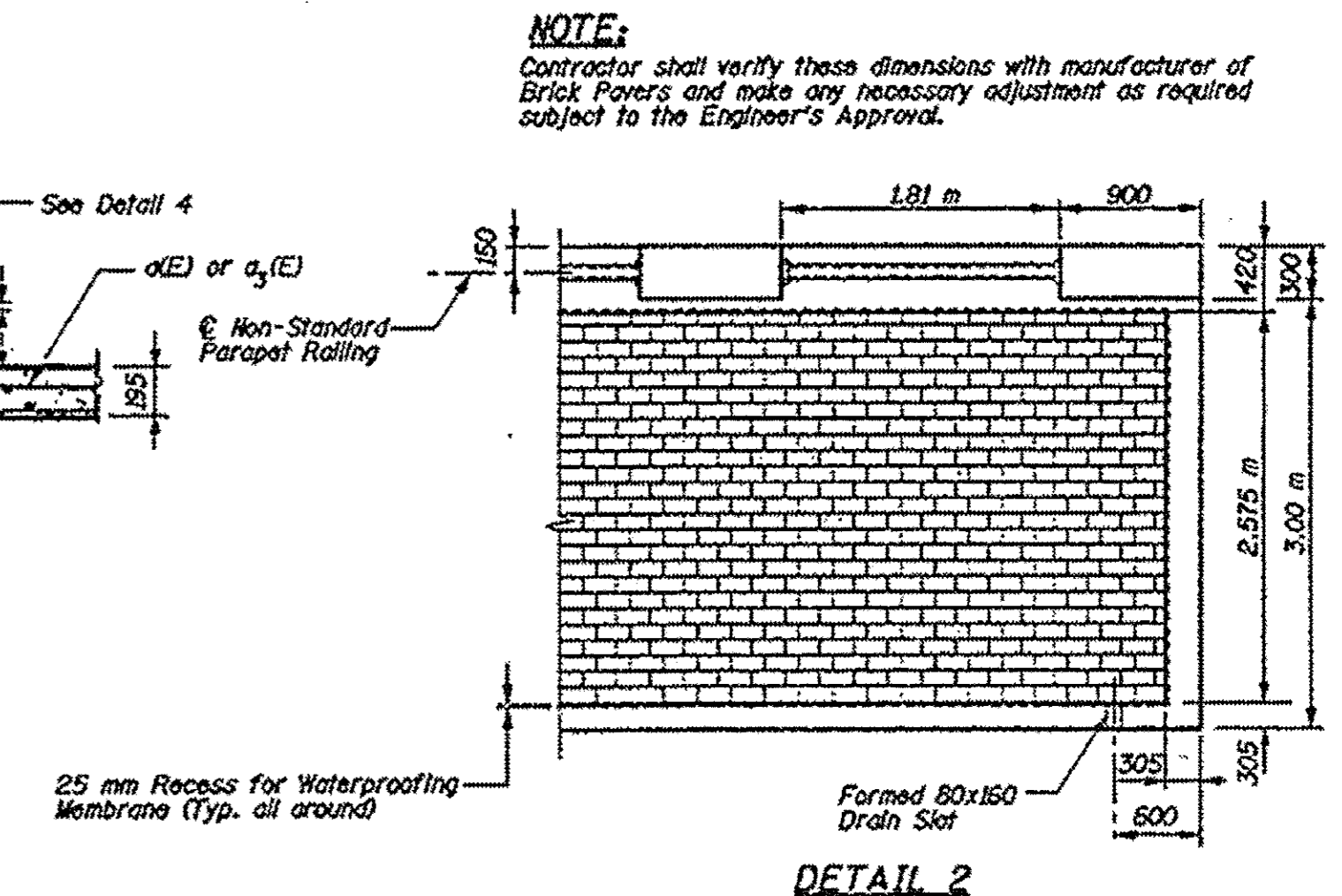
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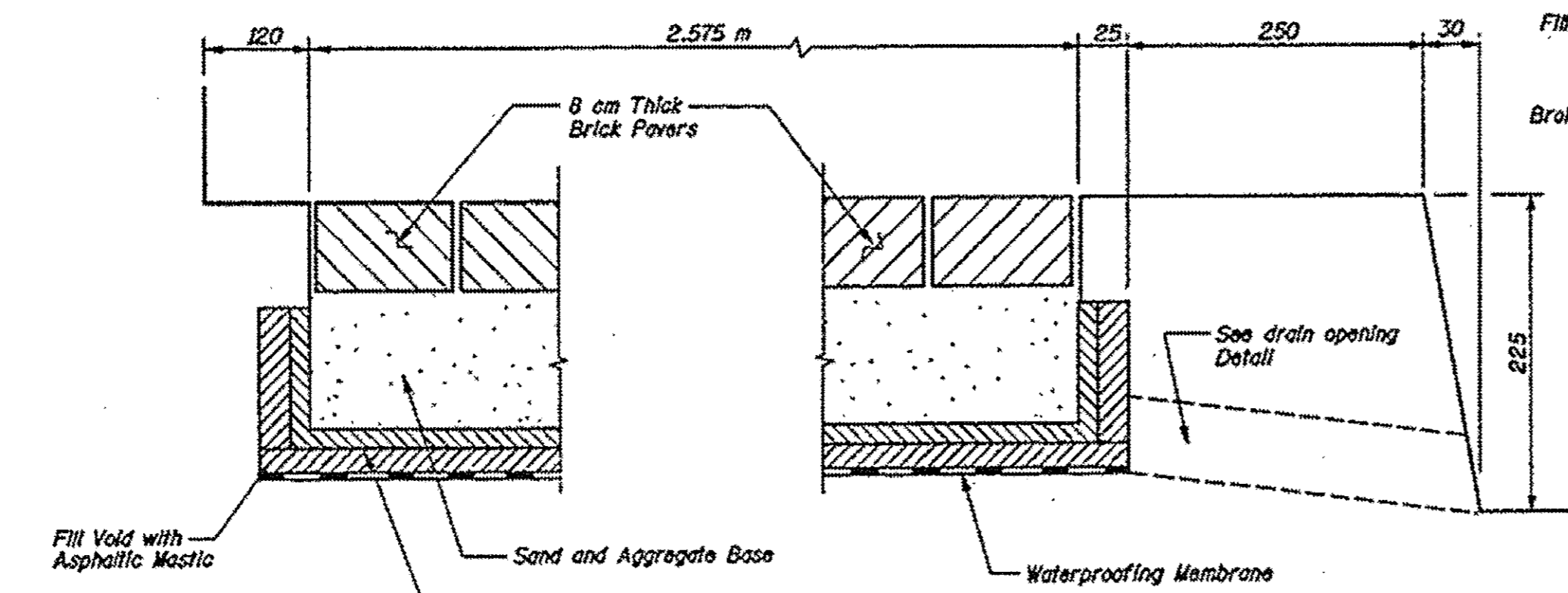


SECTION B-B
Section thru sidewalk at Rolling

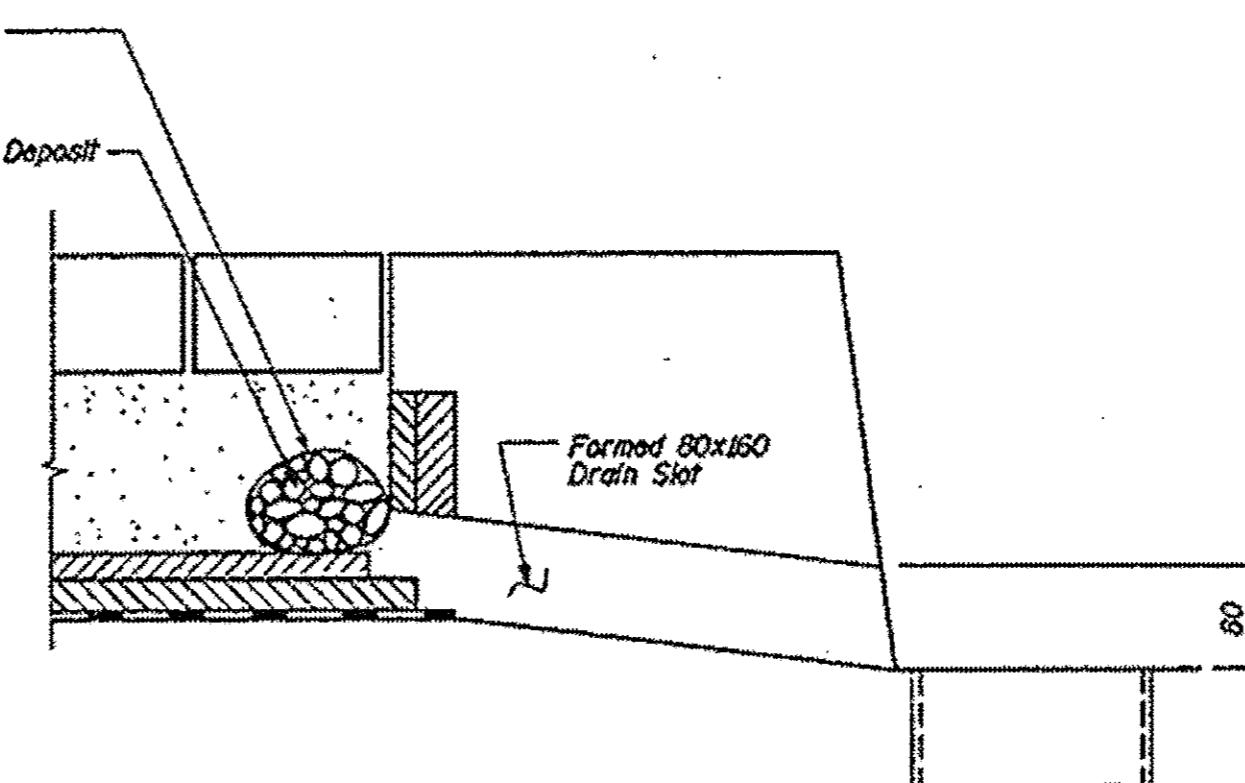


NOTE:
Contractor shall verify these dimensions with manufacturer of Brick Pavers and make any necessary adjustment as required subject to the Engineer's Approval.

DETAIL 2



DETAIL 3



DETAIL 4
DRAIN OPENING DETAIL
(See General Plan and Elevation Sheet for Locations)

Notes:
Cast of Furnishing and installing waterproofing Membrane, Asphalt Planks, Aggregate Base and sand cushion, and also the placement of a broken stone deposit wrapped in filter fabric of each drain slot location, shall be considered included with the item "Brick Paver Installation."

THIS RECORD DRAWING HAS BEEN INCLUDED
FOR INFORMATION REGARDING THE EXISTING BRIDGE SIDEWALK

DESIGNED	MCU
CHECKED	JMS
DRAWN	KLI
CHECKED	JMS

Plans prepared by: Kudrna & Associates, Ltd.

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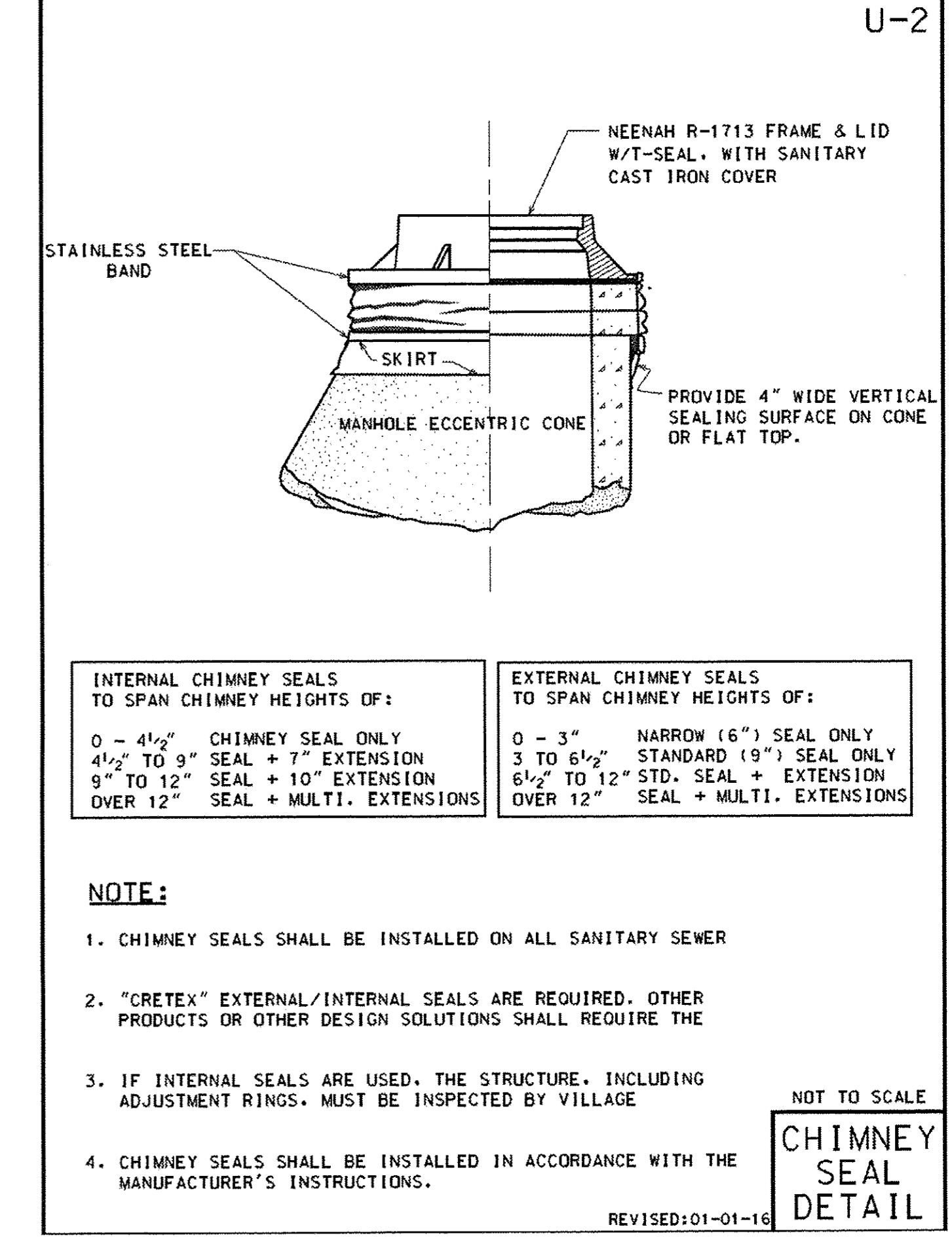
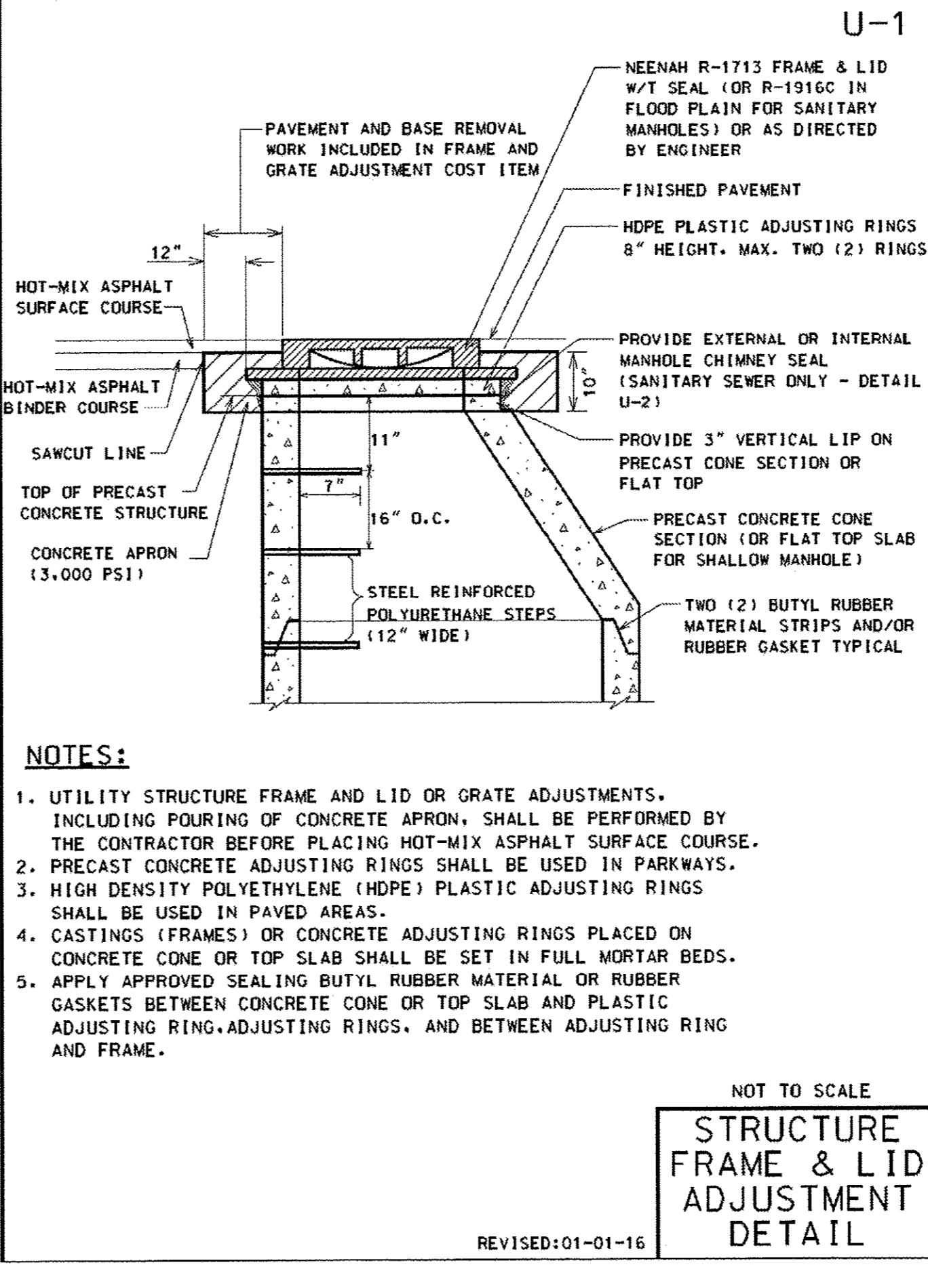
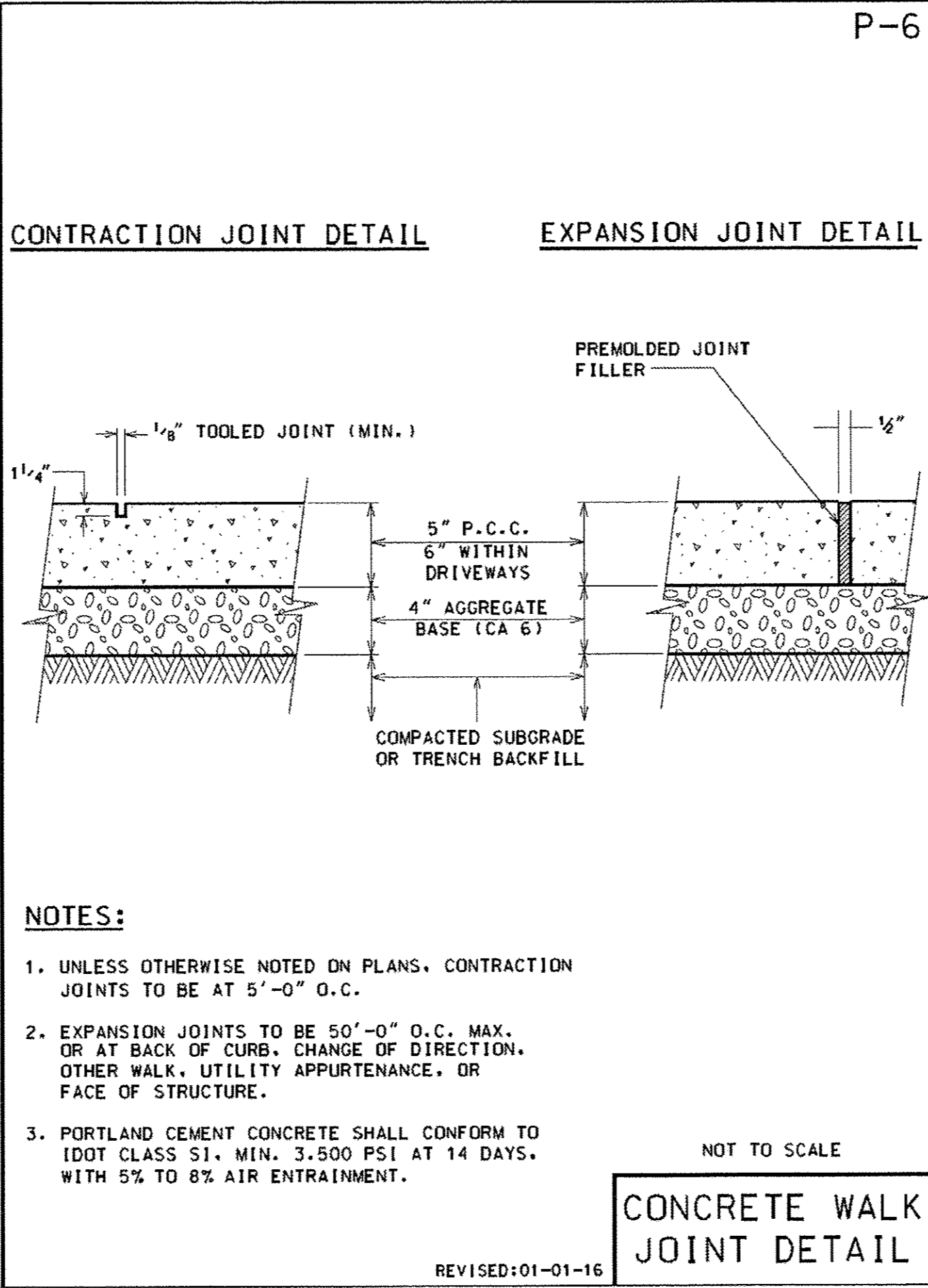
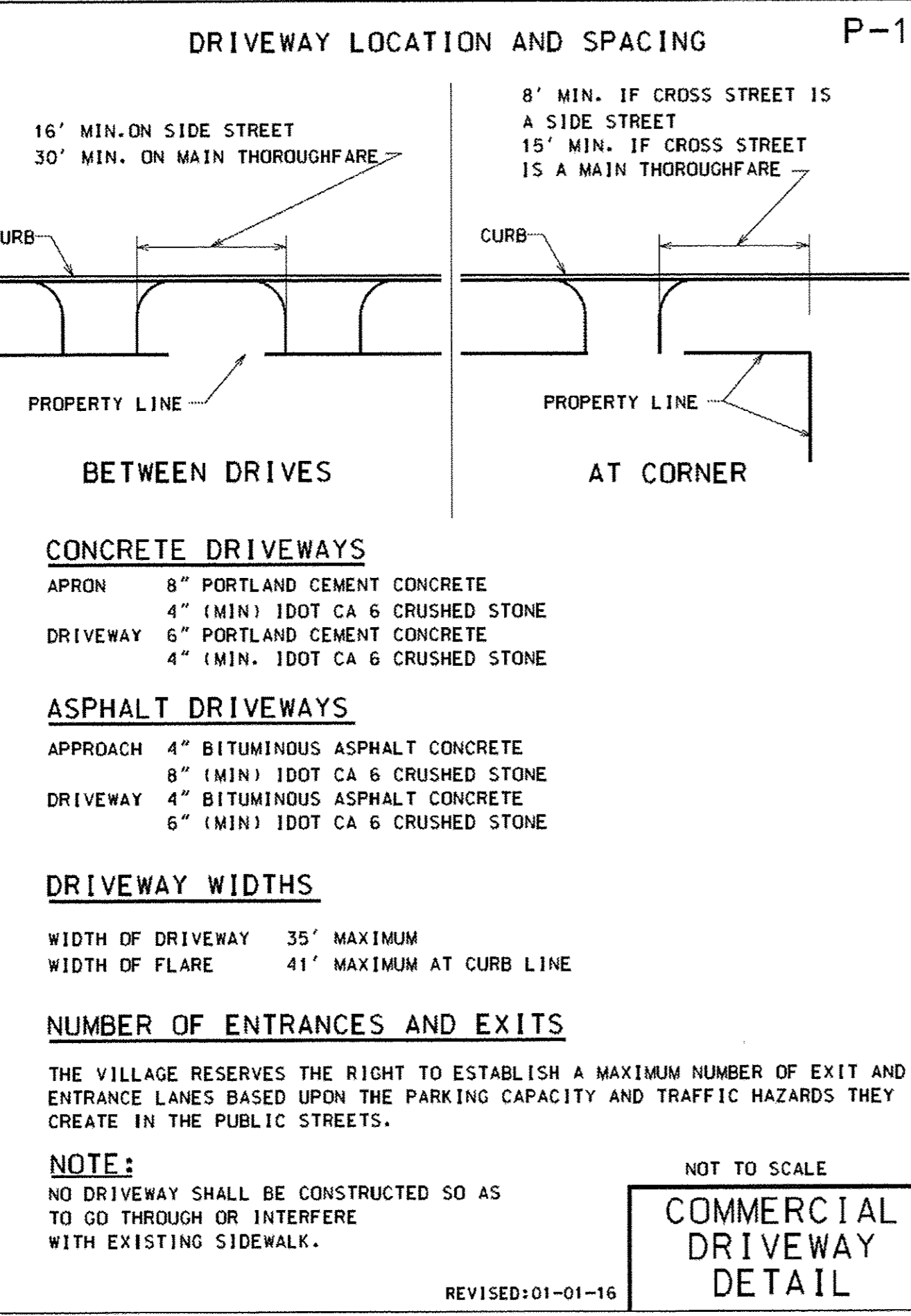
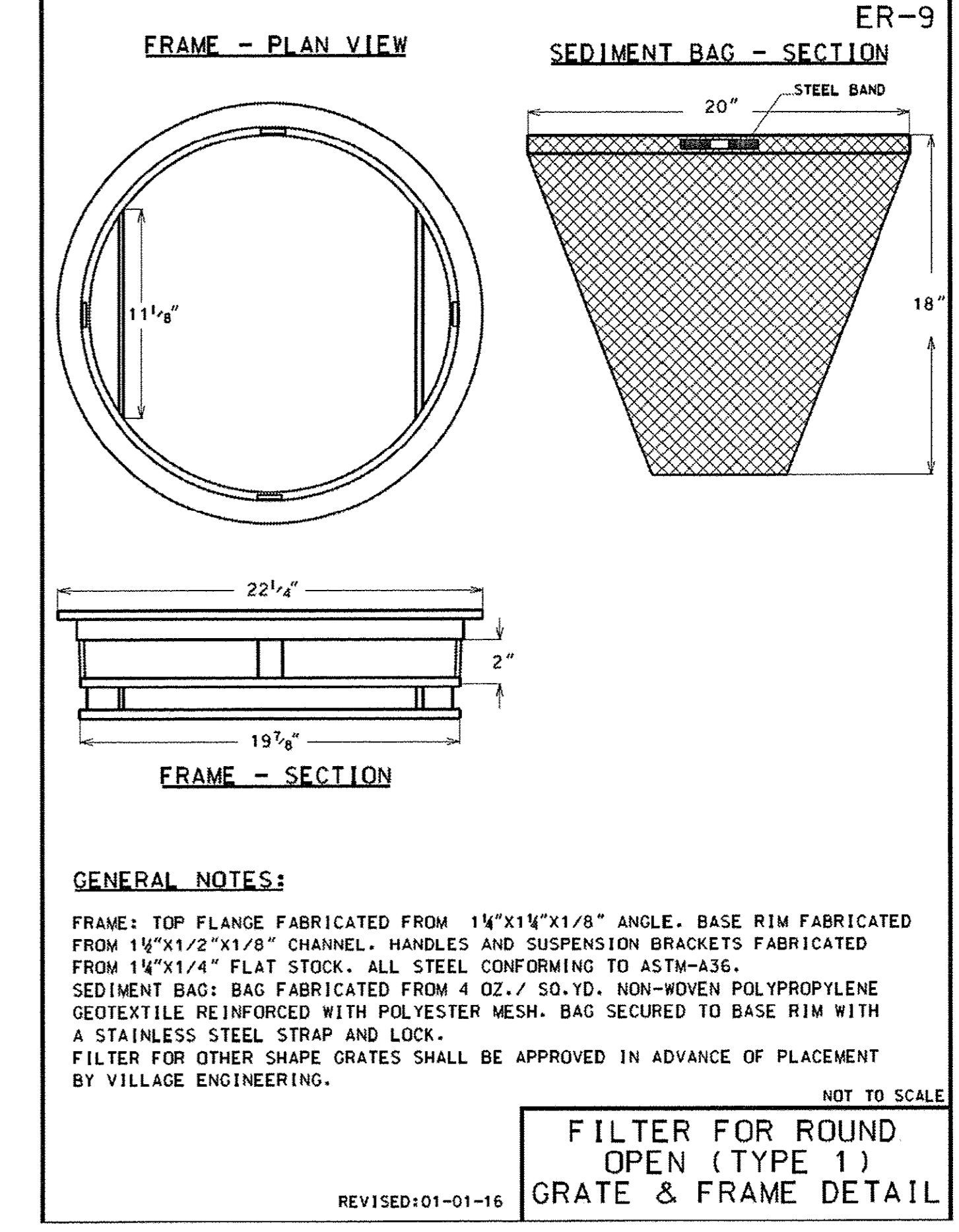
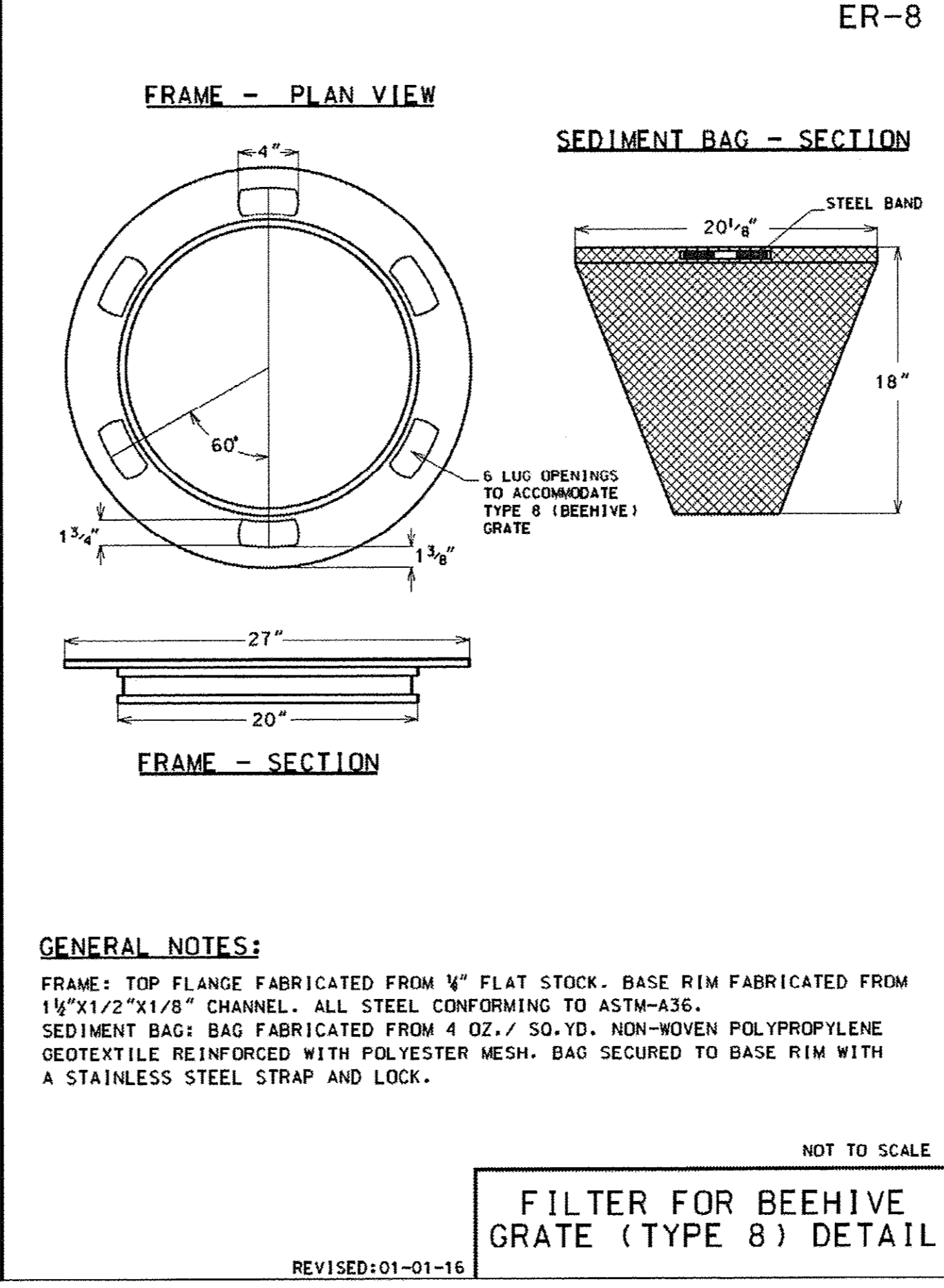
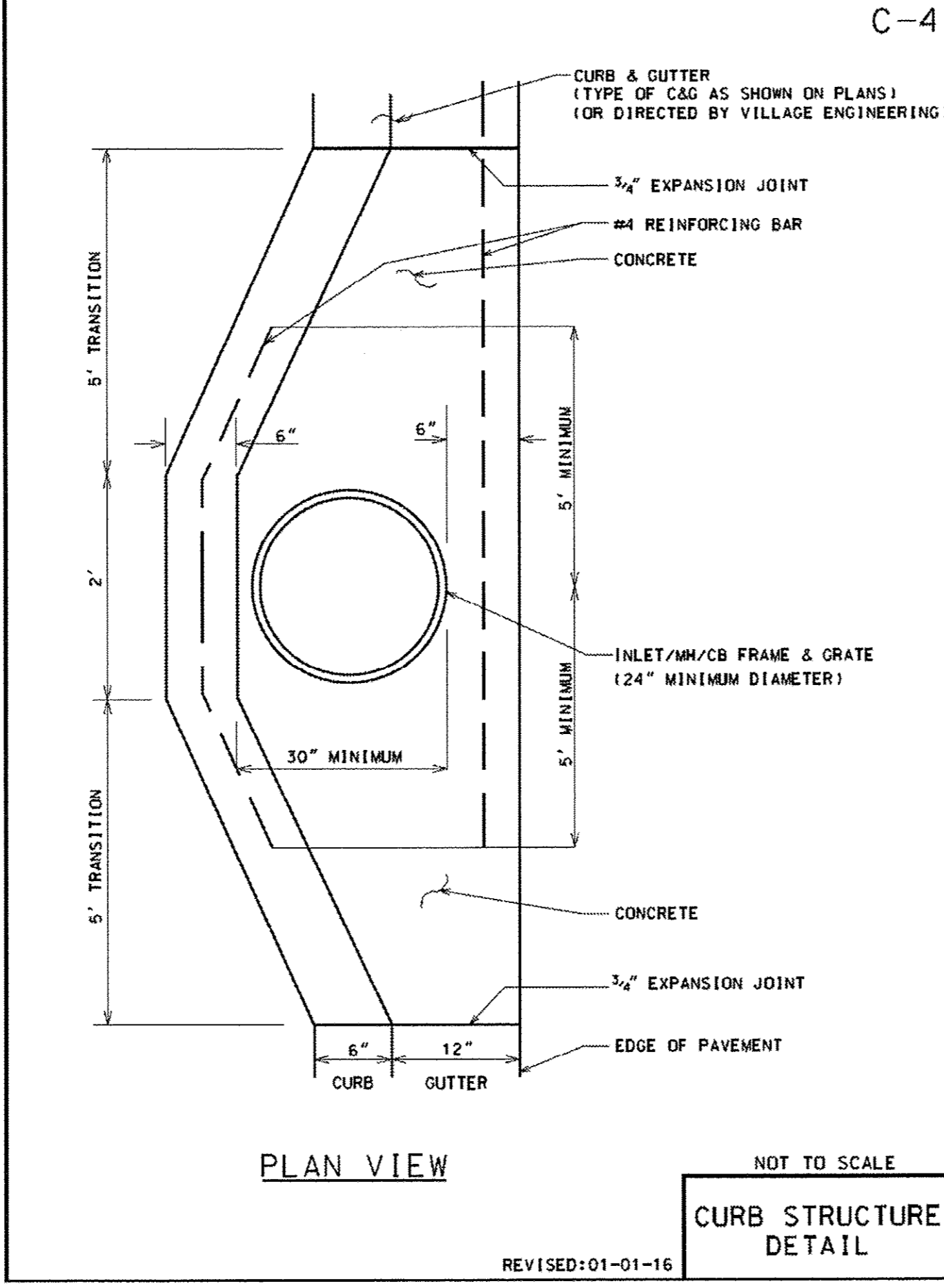
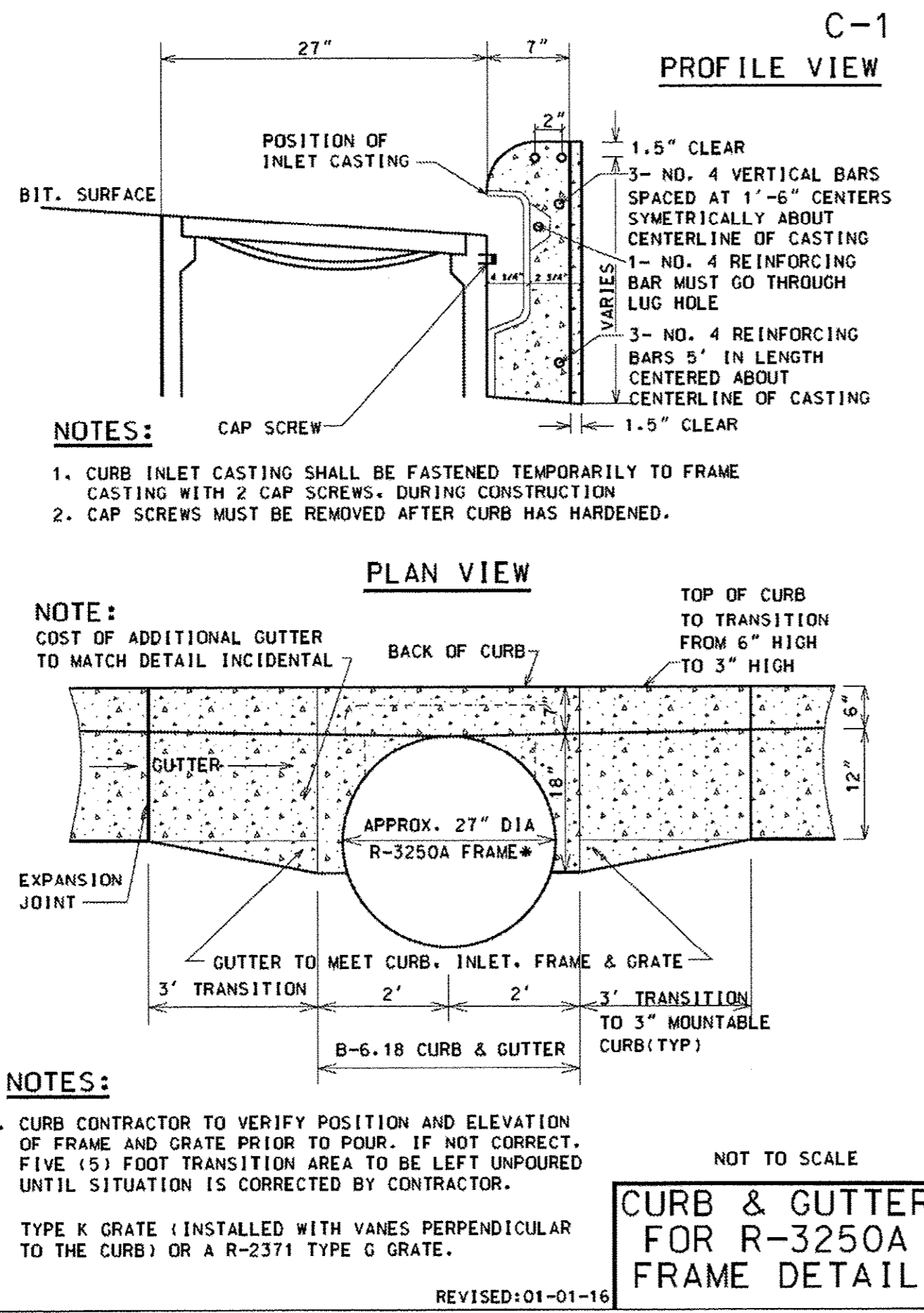
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 016-7056
SIDEWALK MODIFICATION DETAILS

SCALE: NONE

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	83
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D32	



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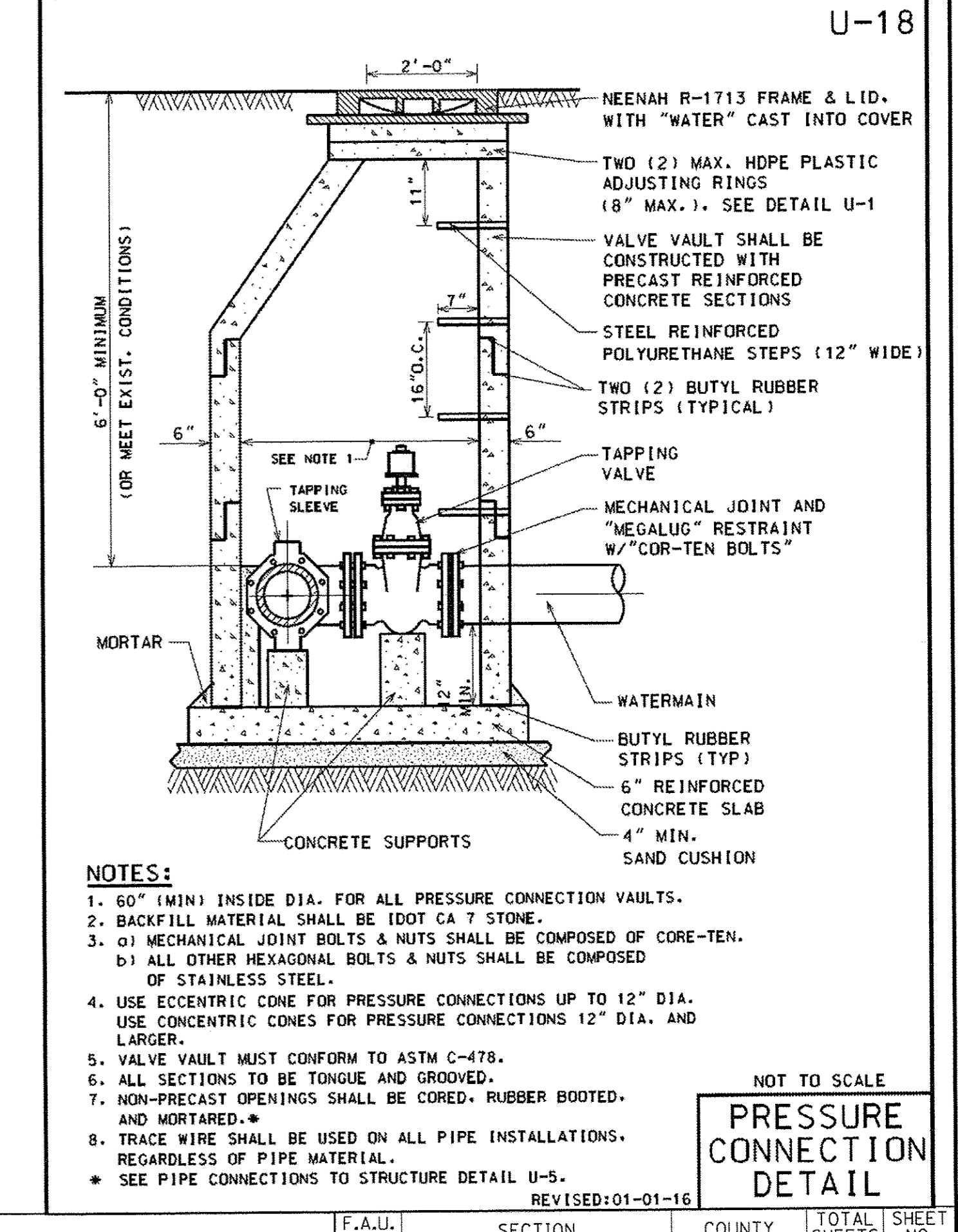
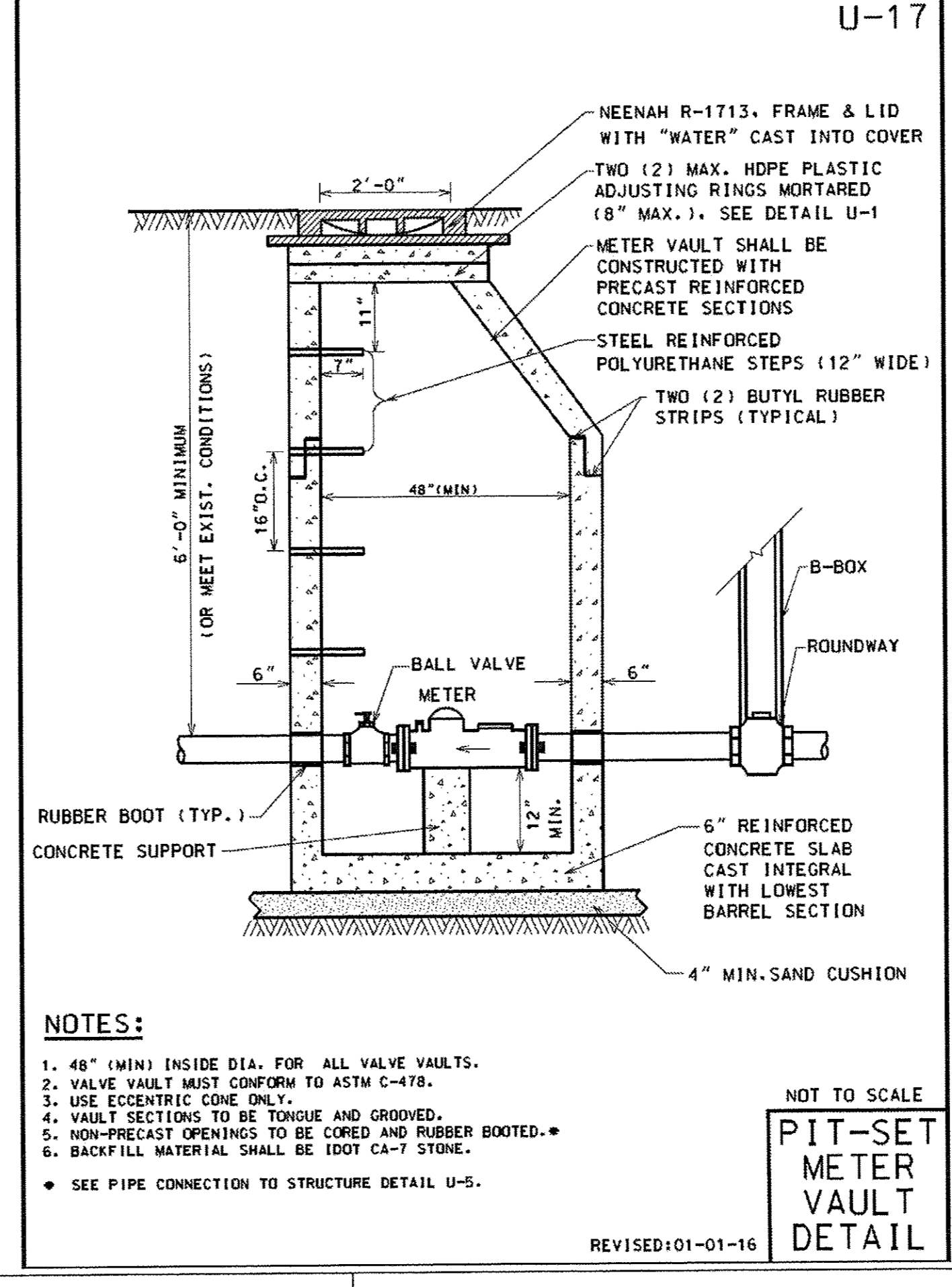
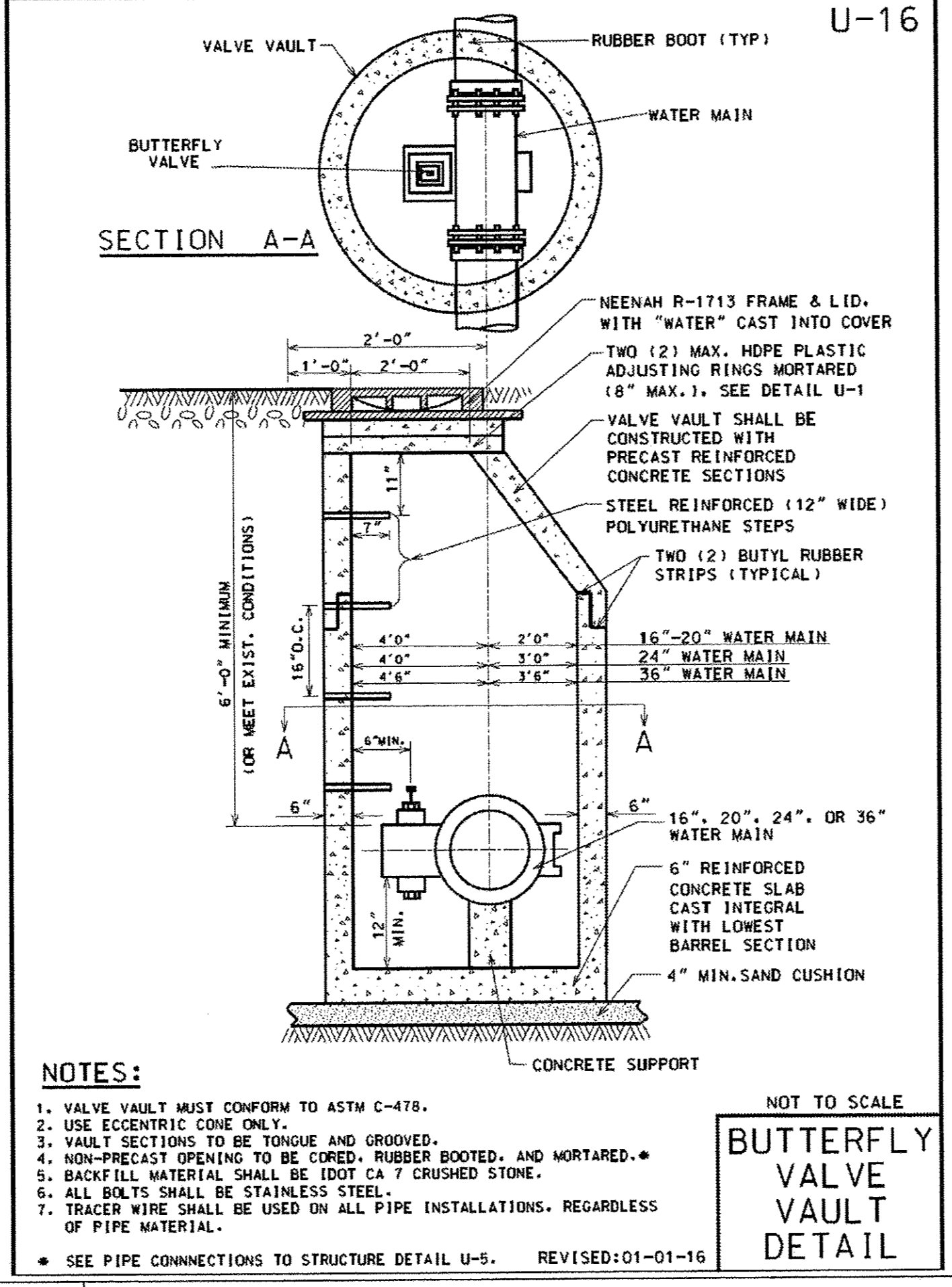
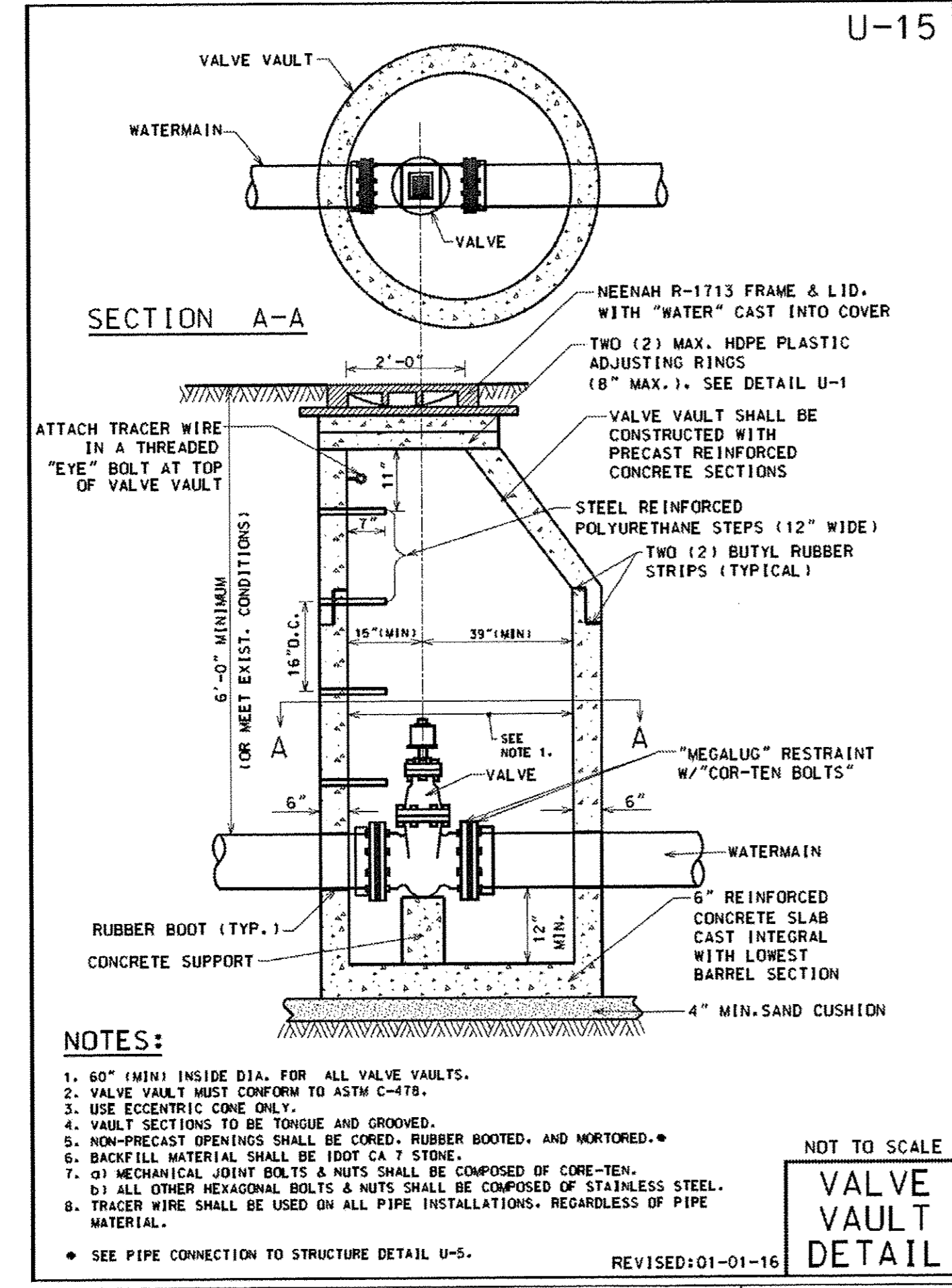
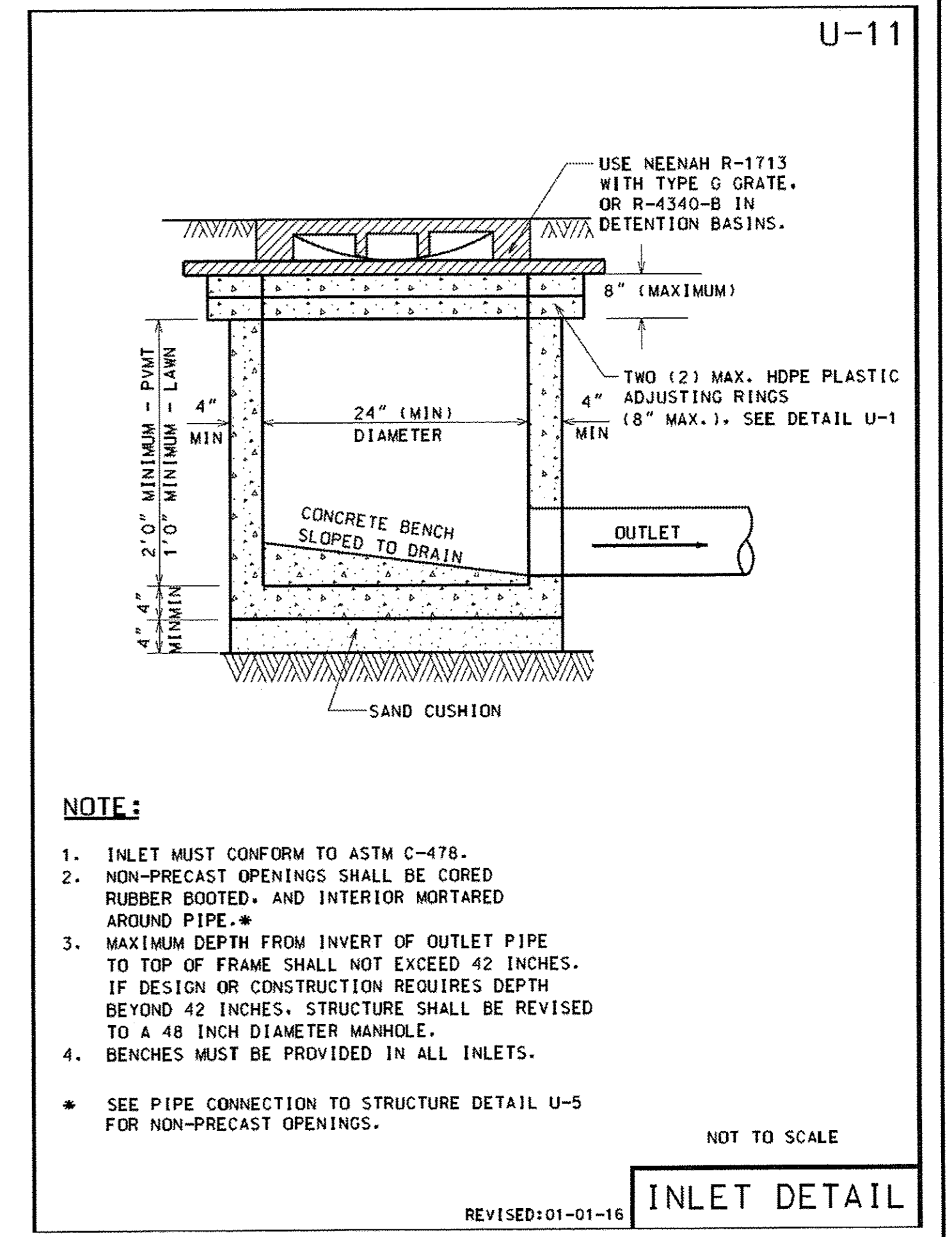
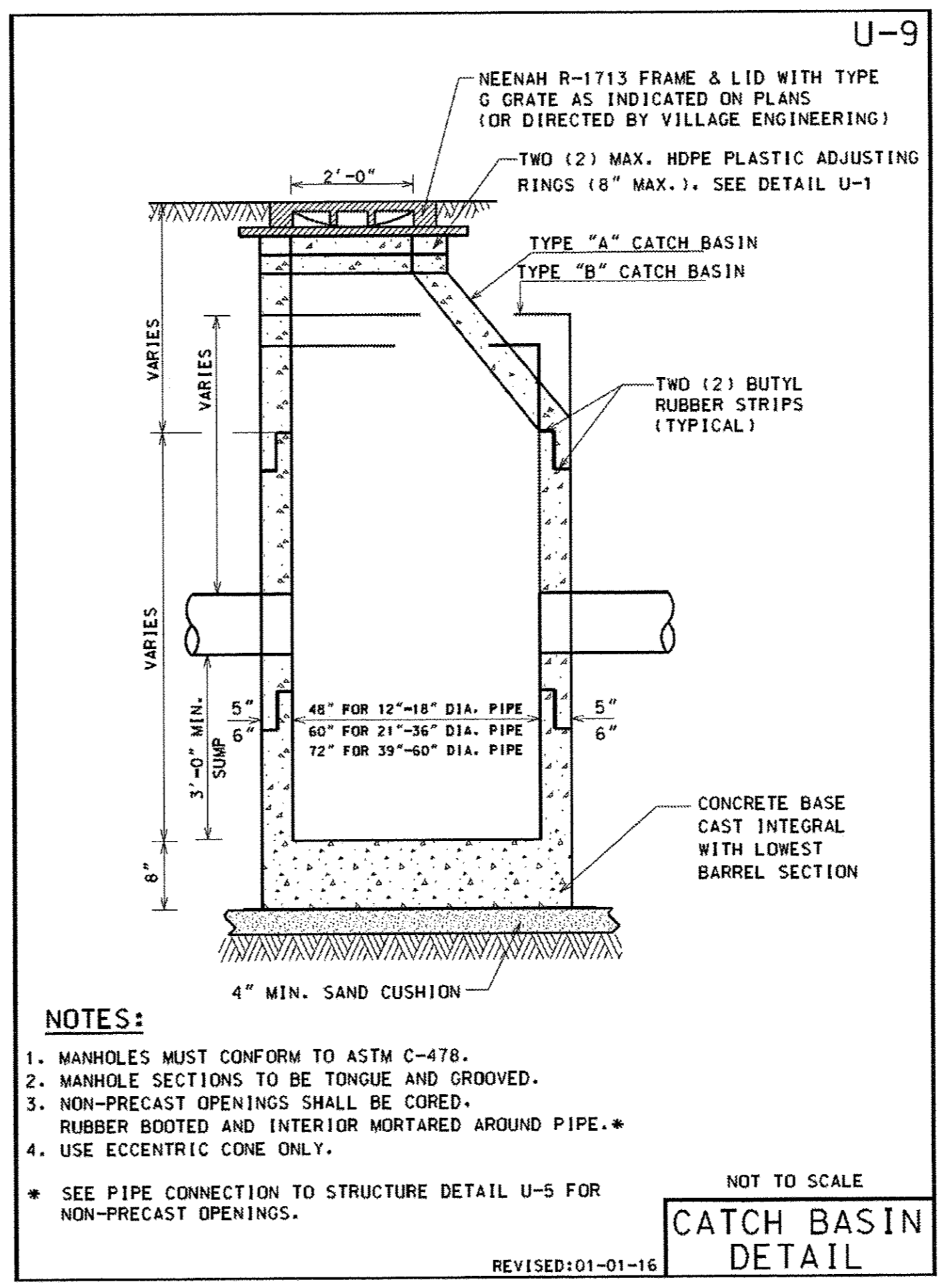
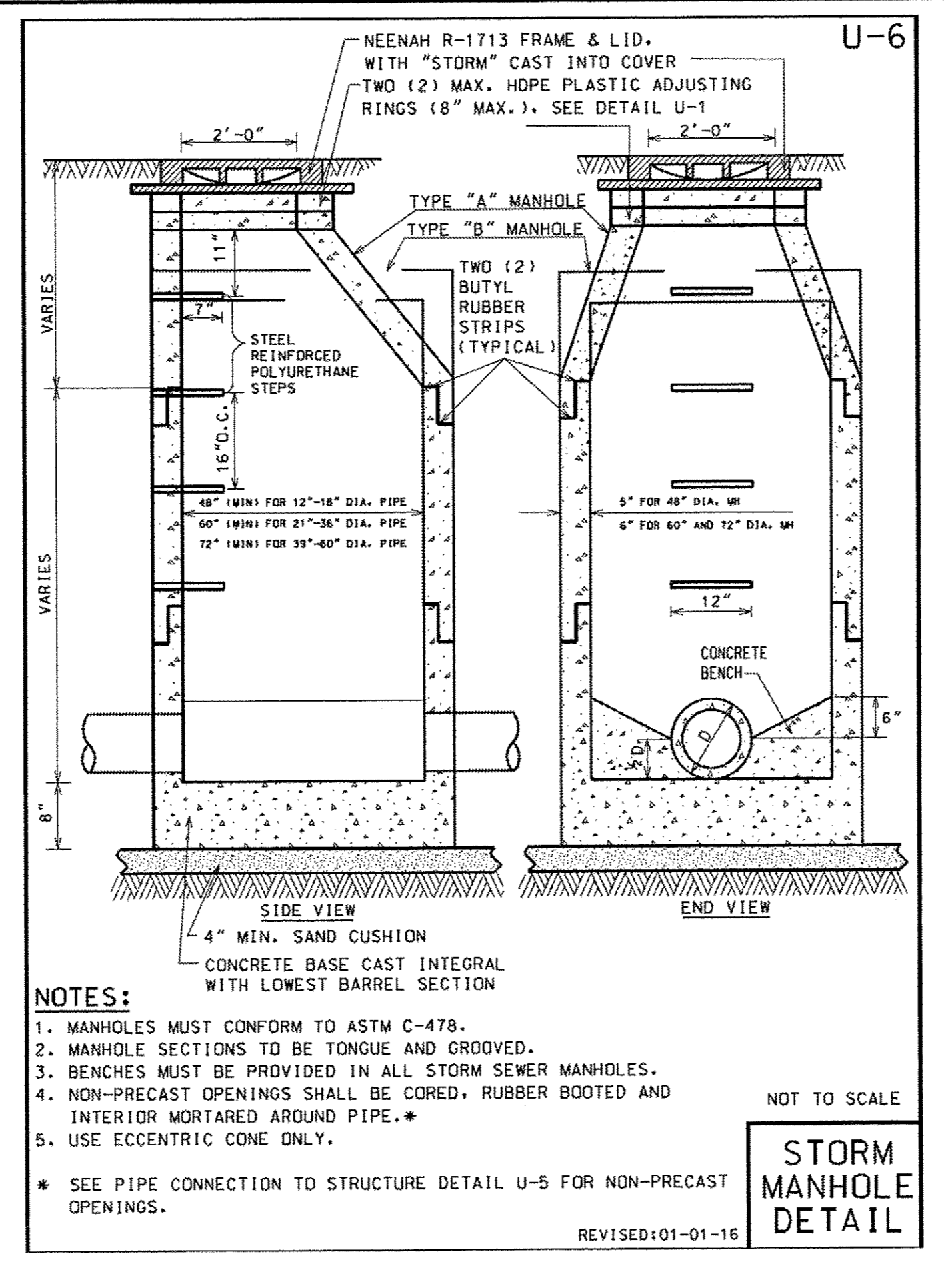
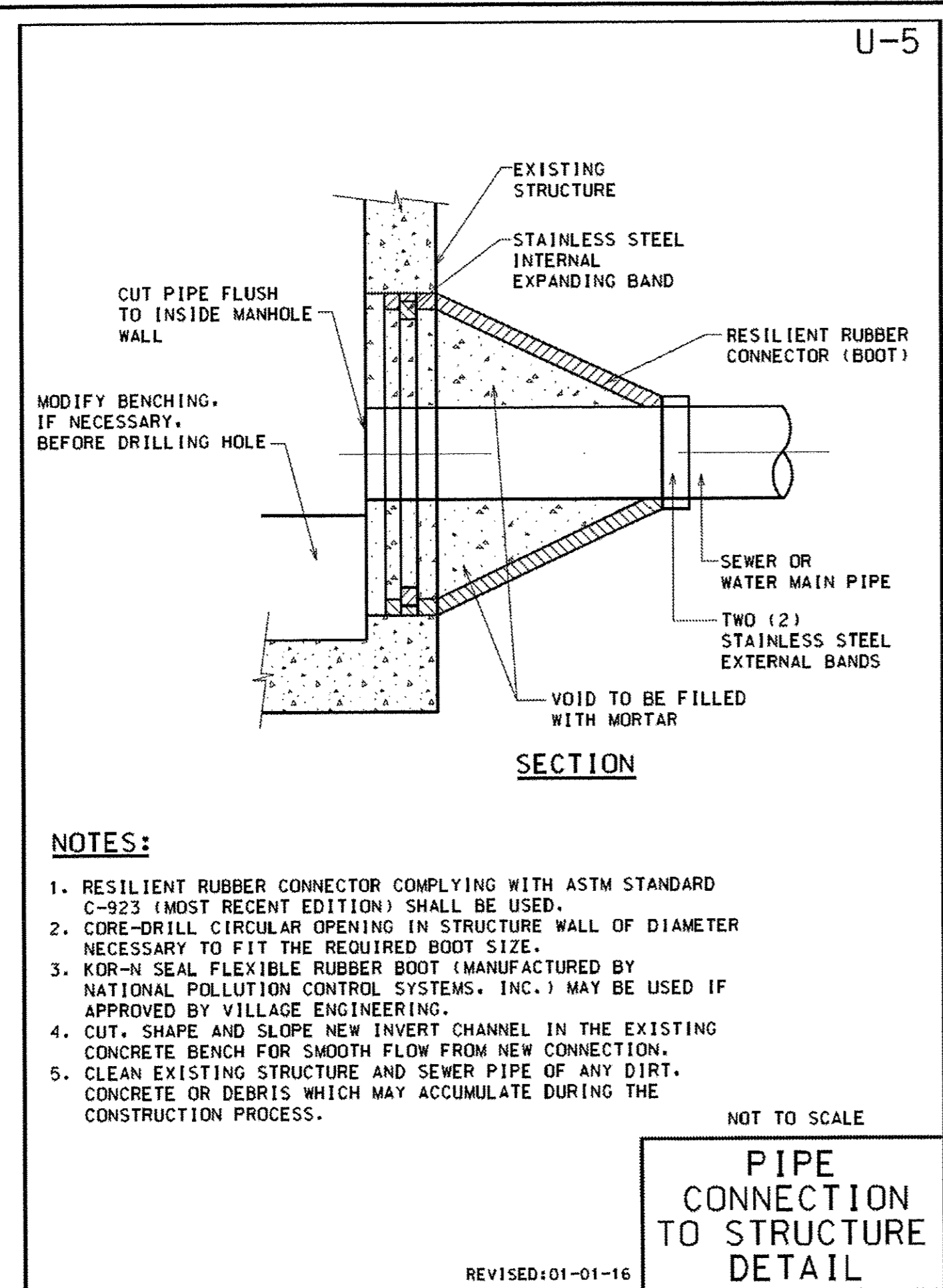
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MISCELLANEOUS DETAILS

SCALE: NONE STA. TO STA.

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

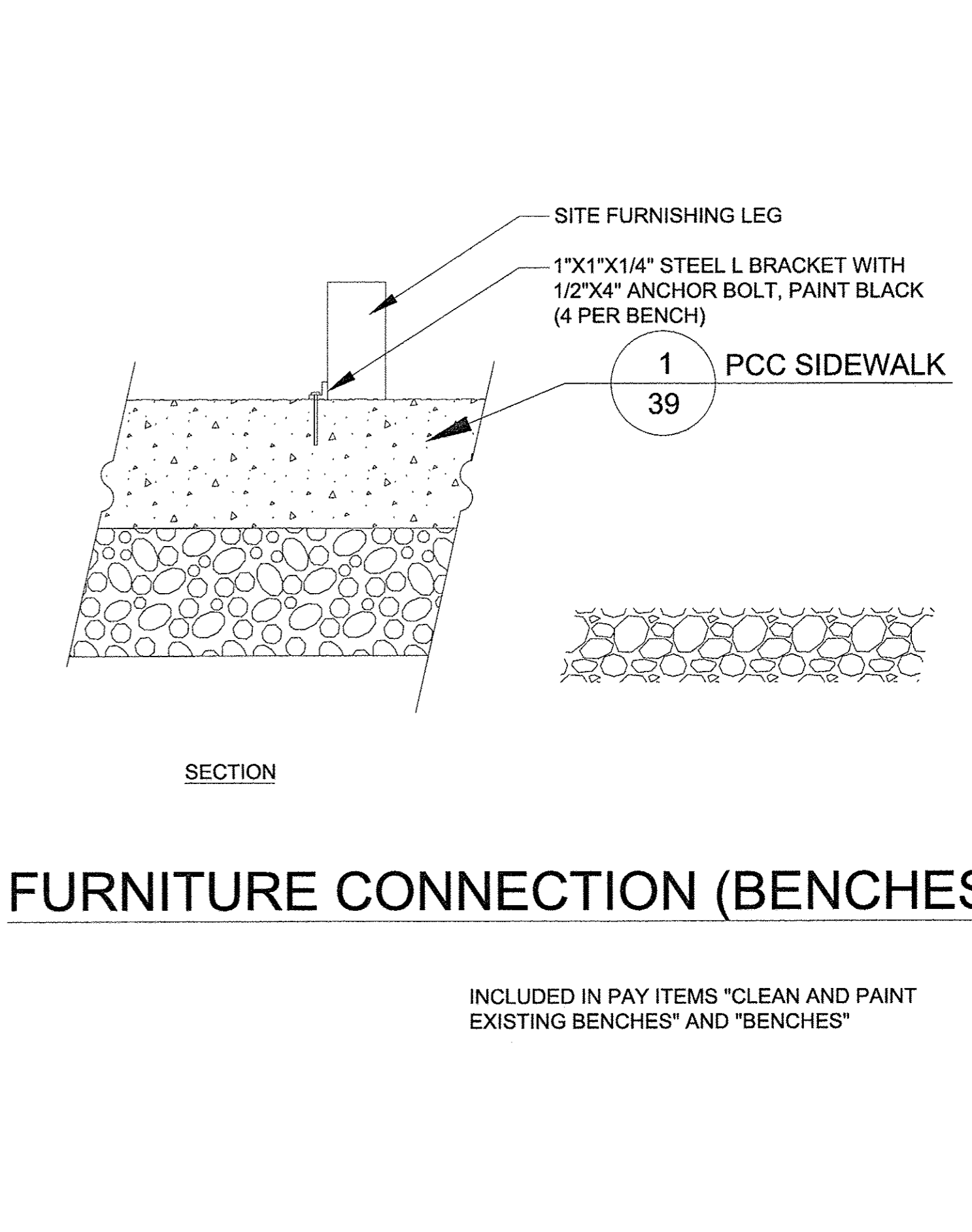
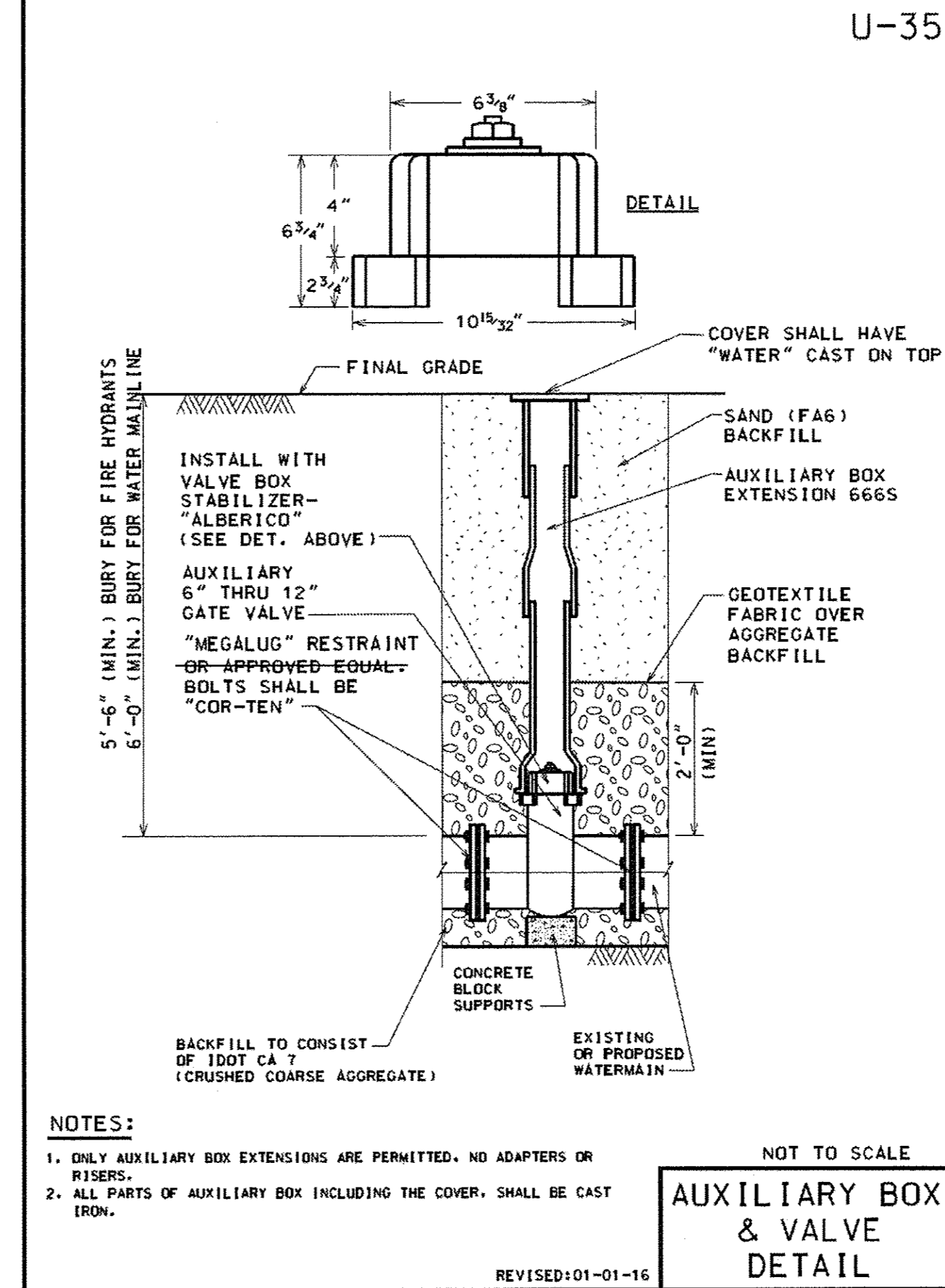
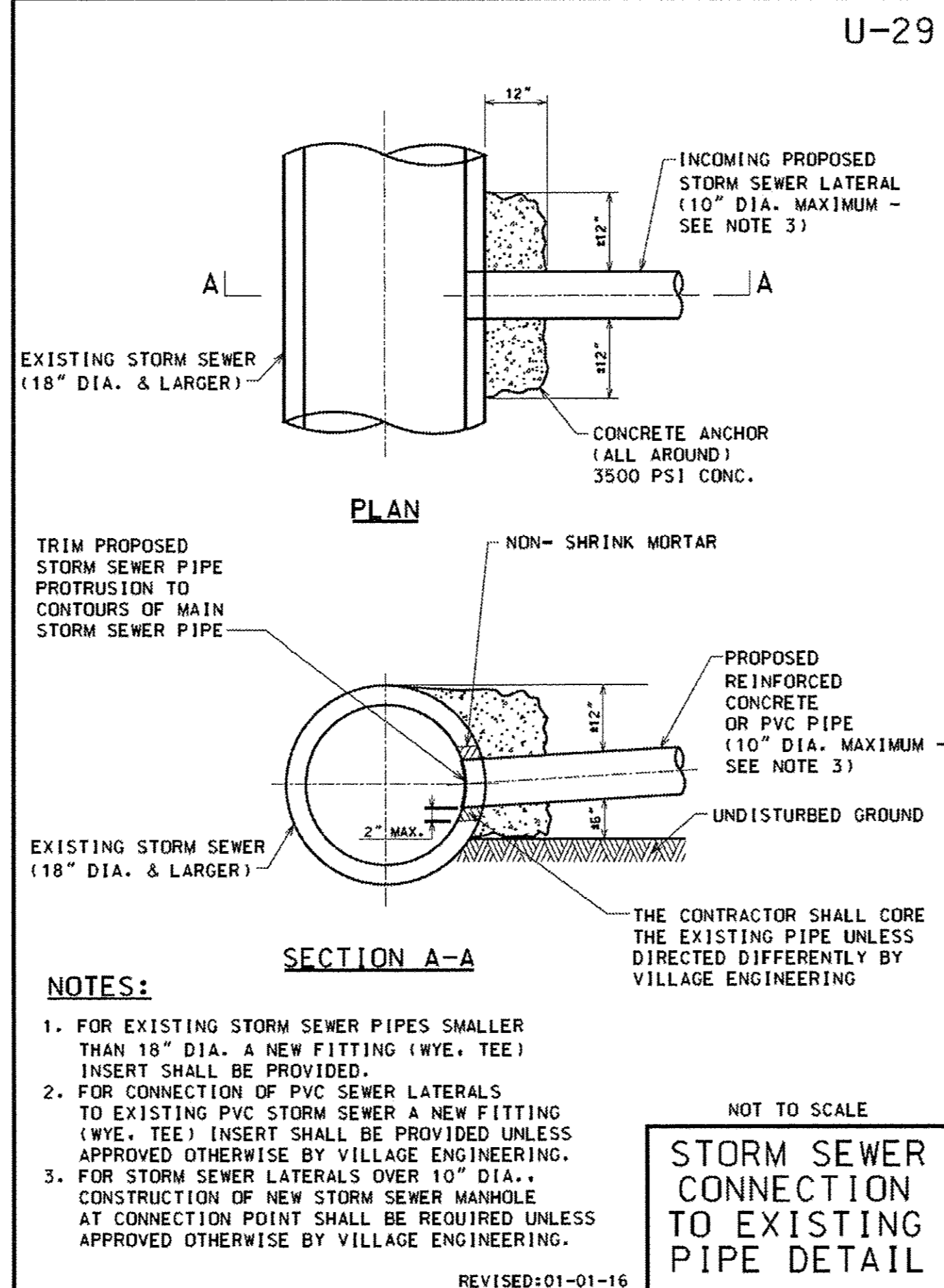
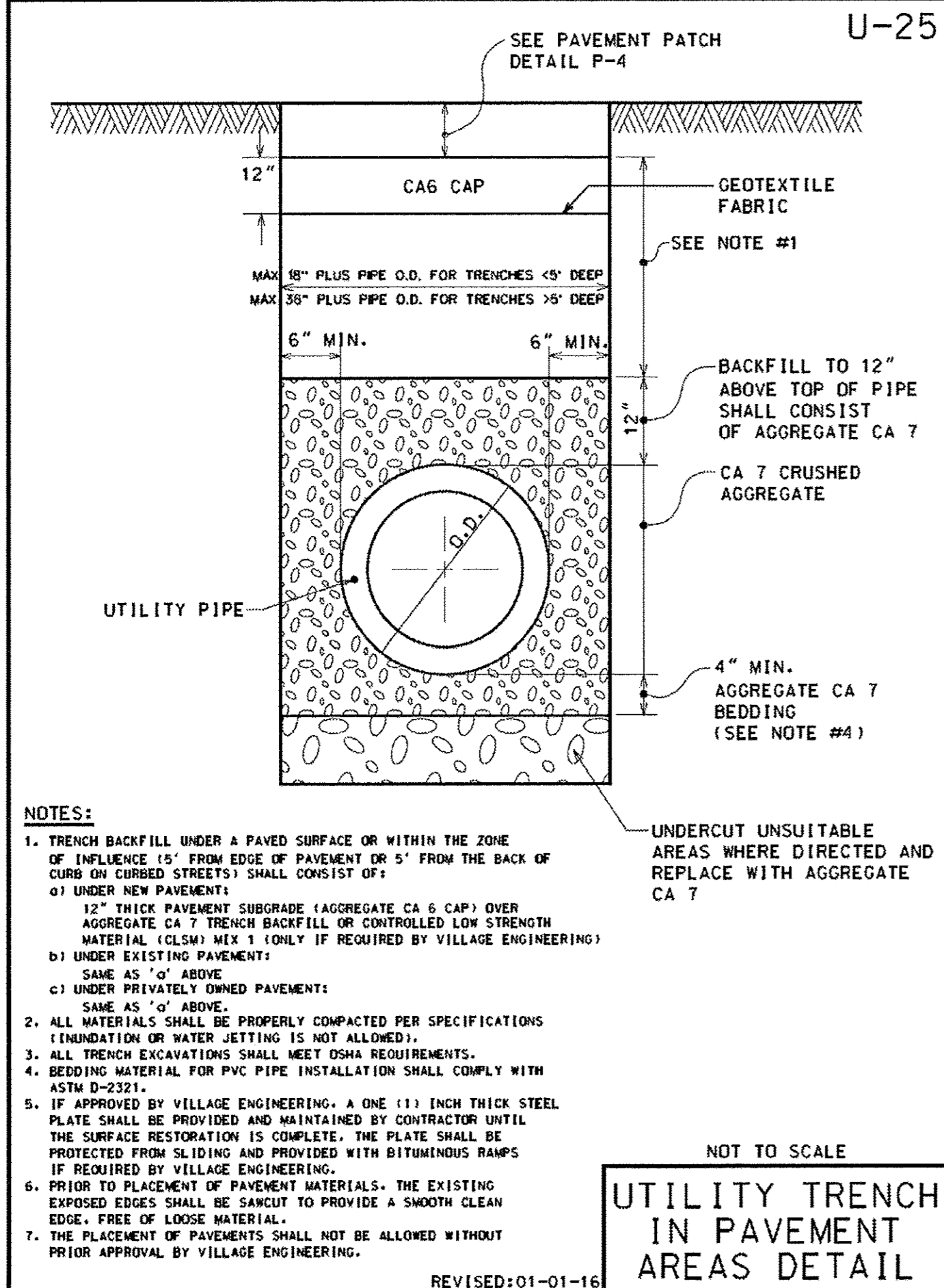
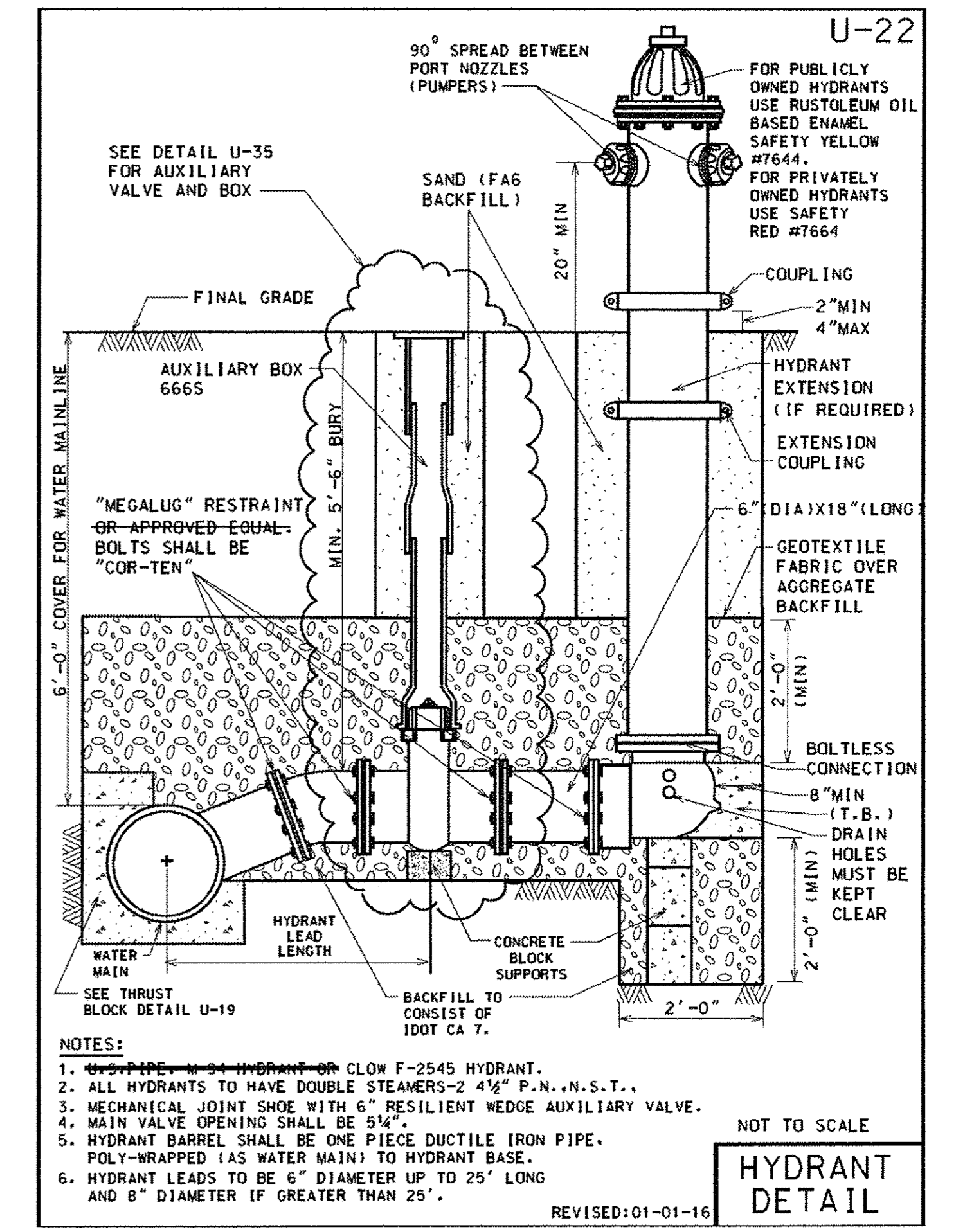
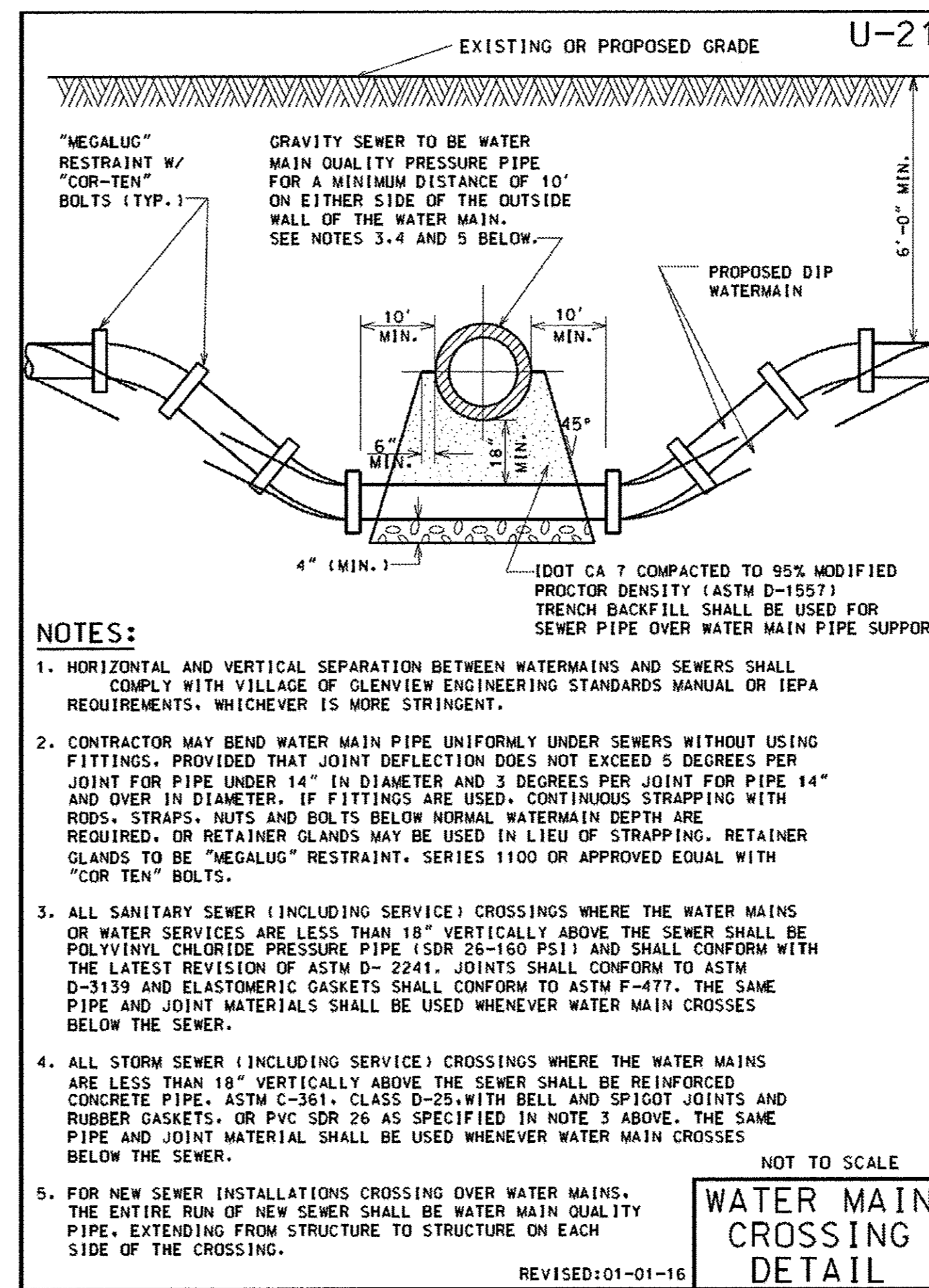
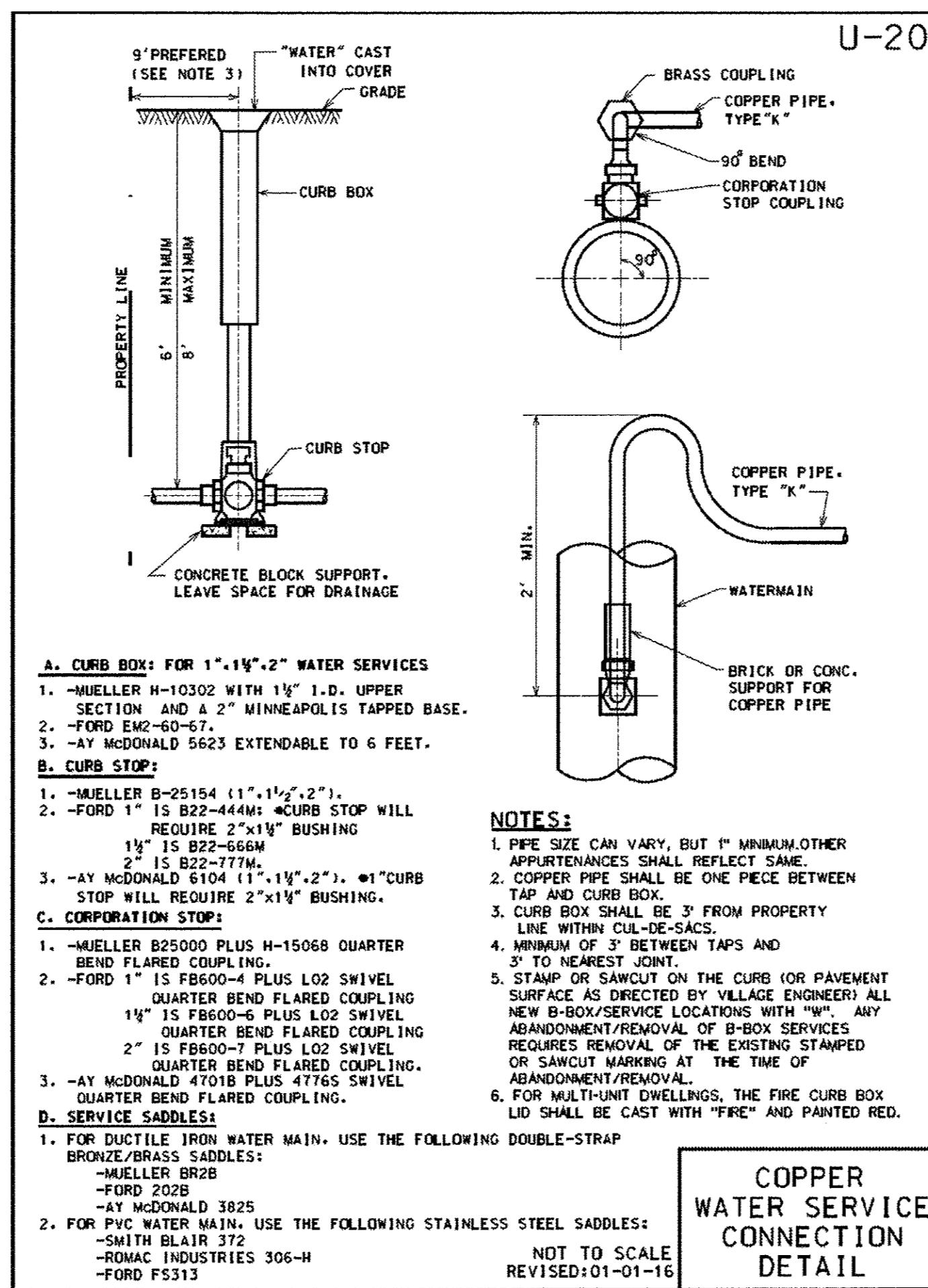
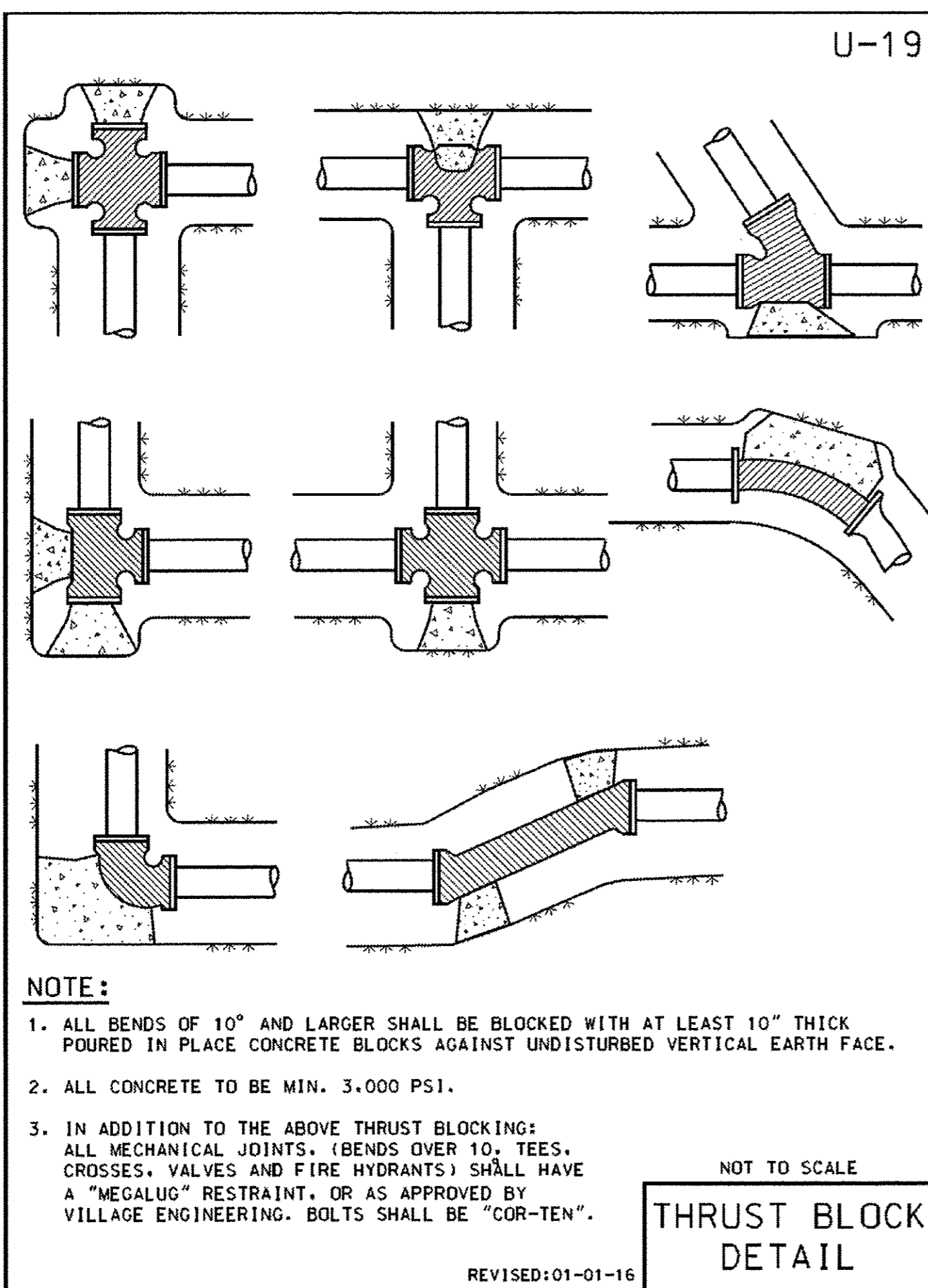


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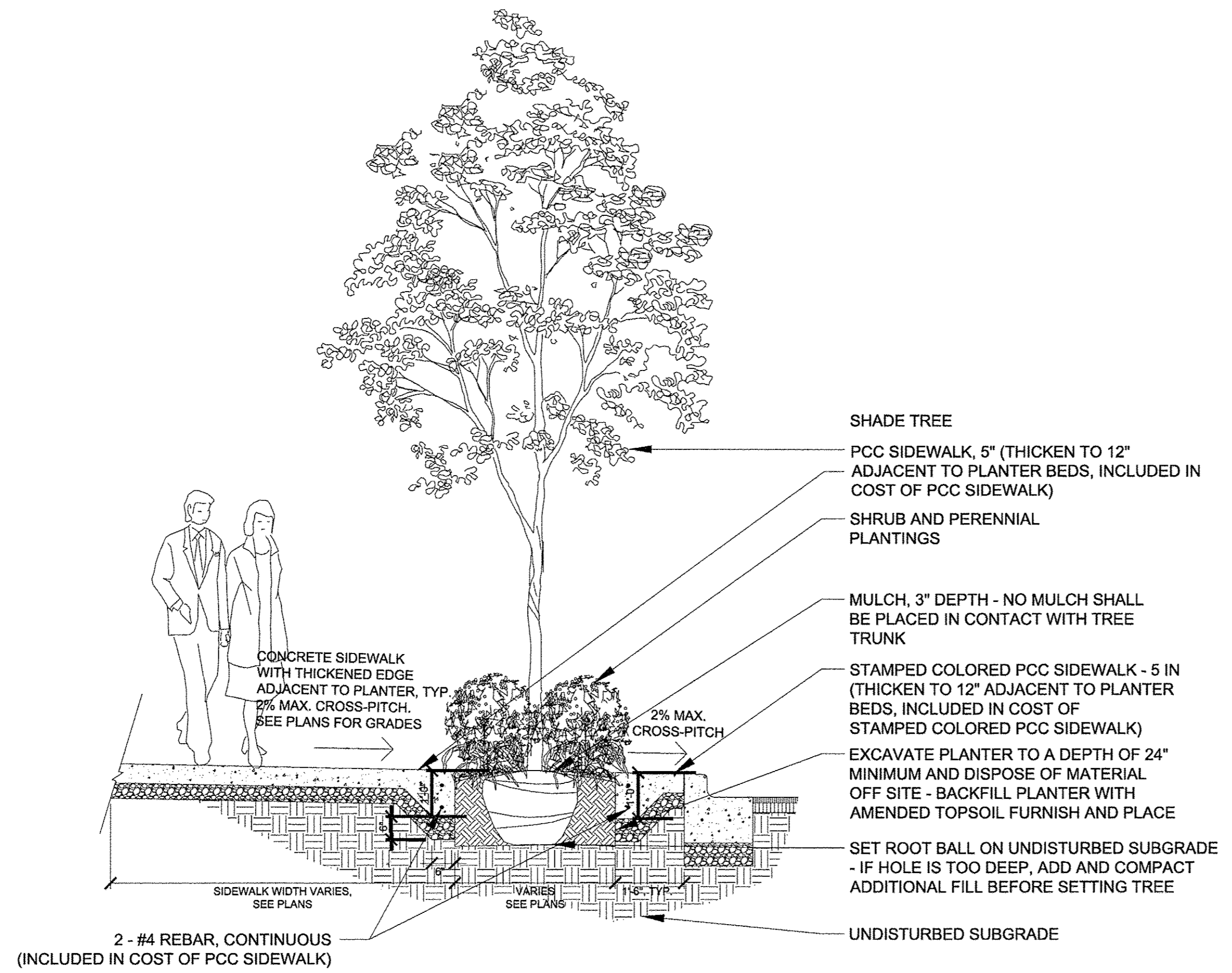
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DEPARTMENT OF TRANSPORTATION**

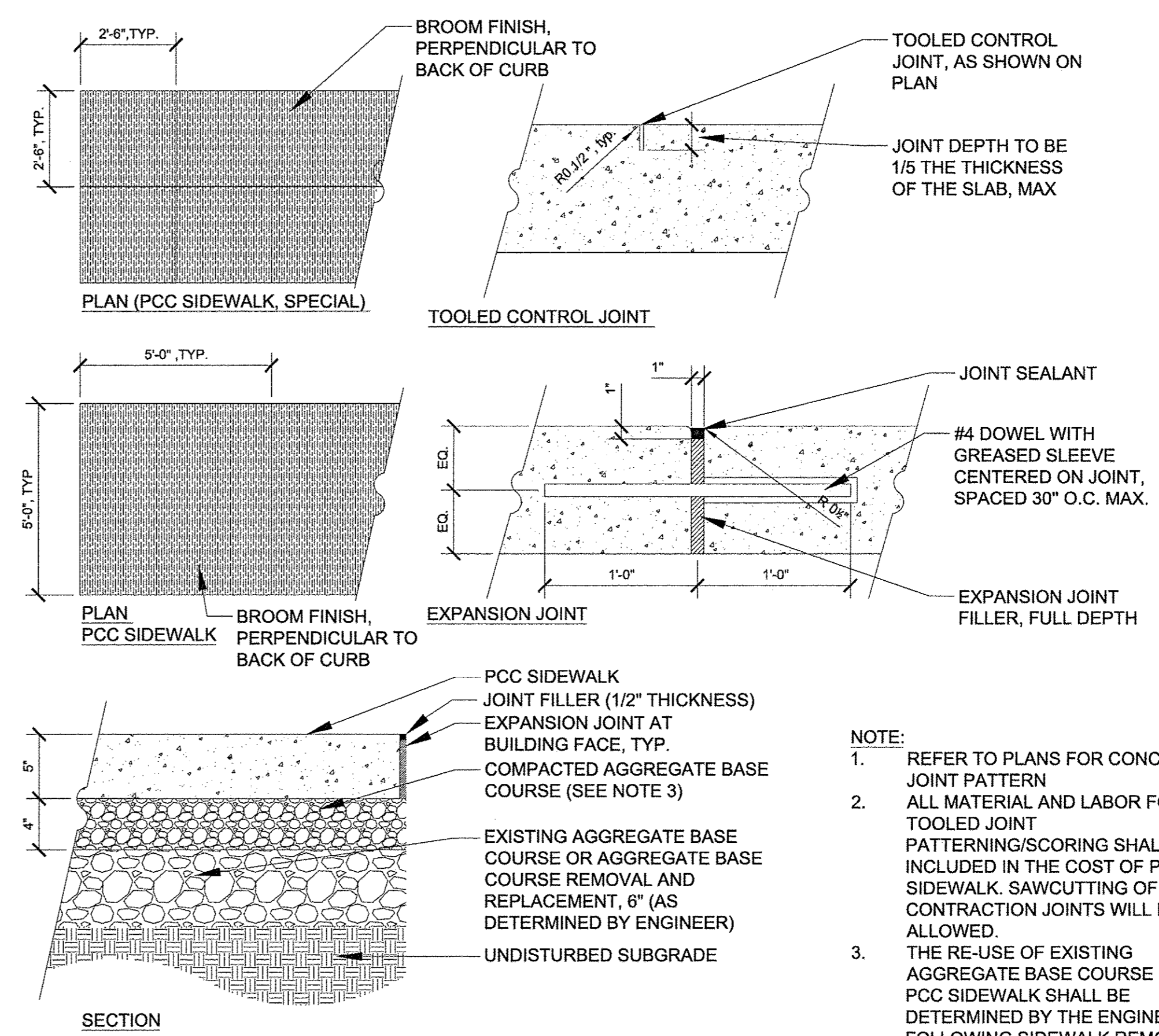
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				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



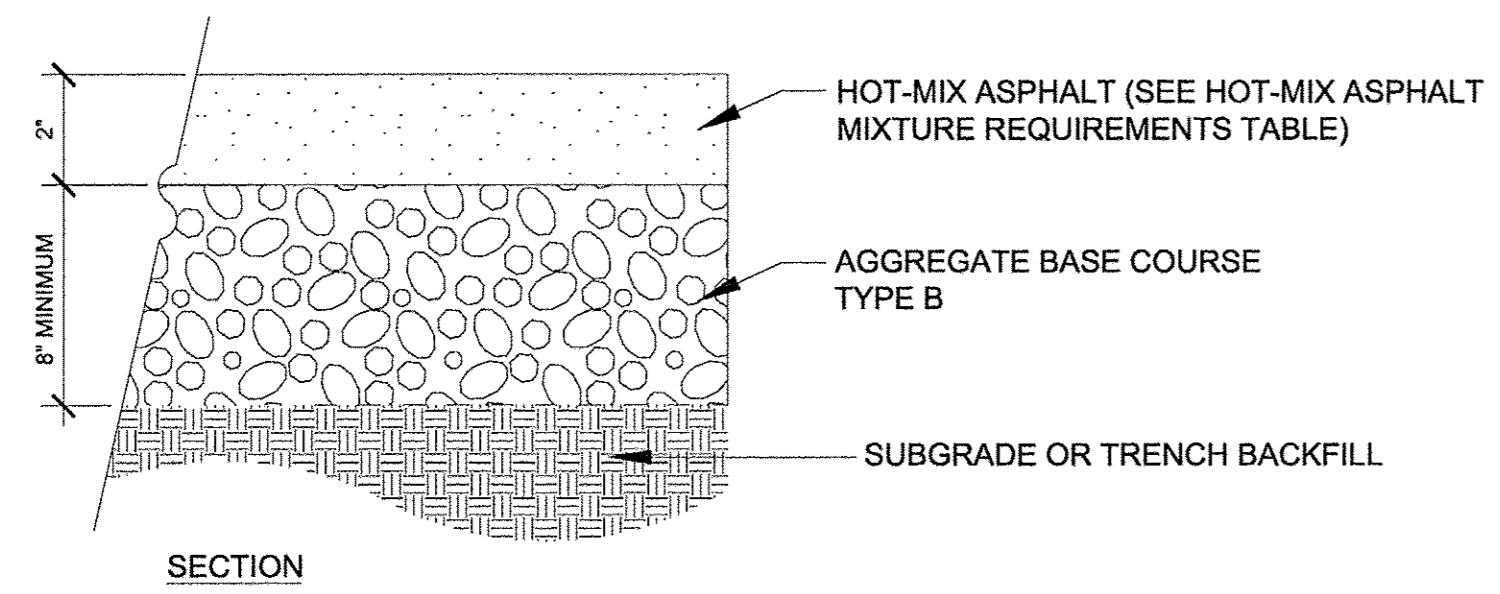
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STREETSCAPE SECTION - GLENVIEW ROAD PLANTERS



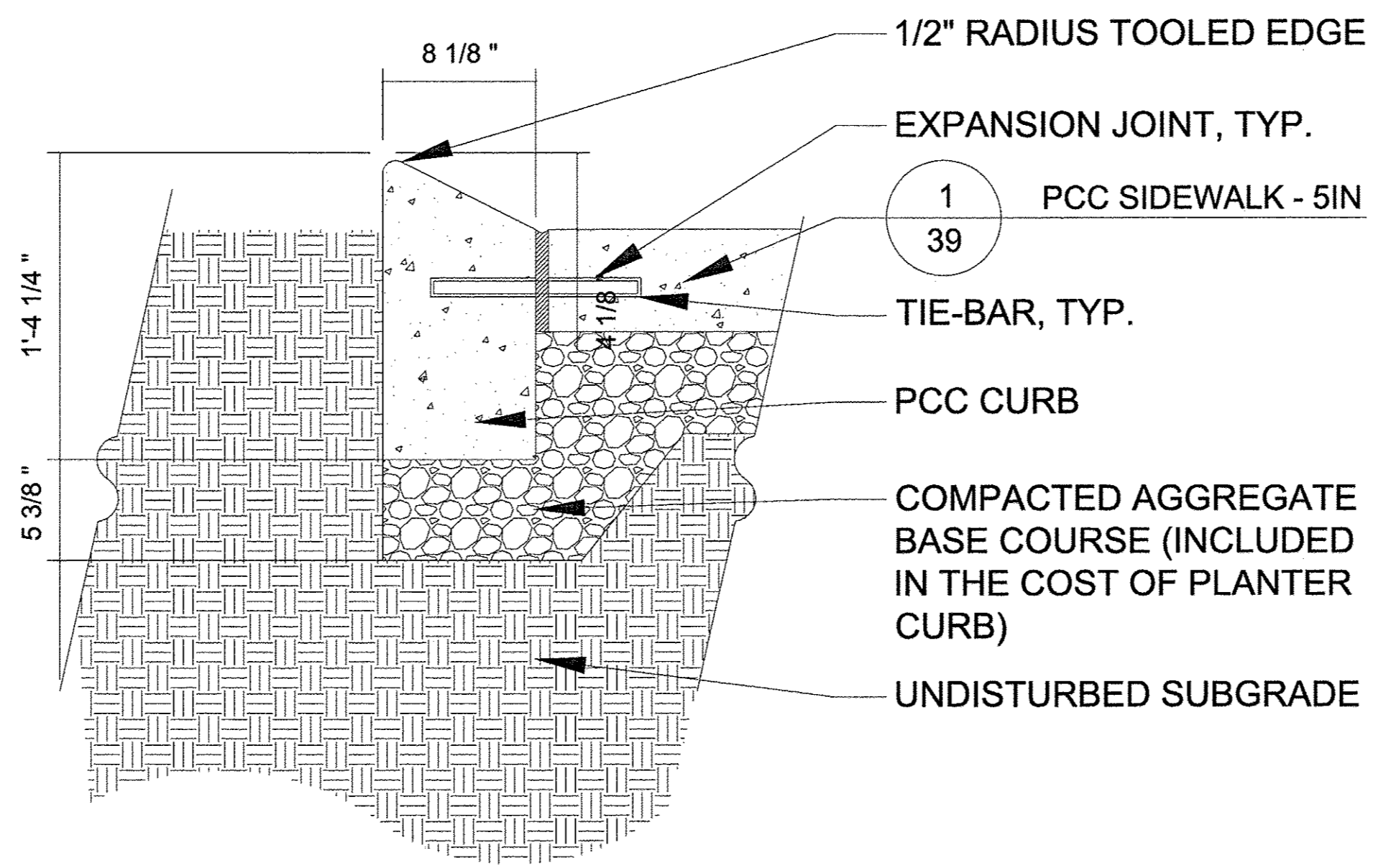
PCC SIDEWALK - 5 IN



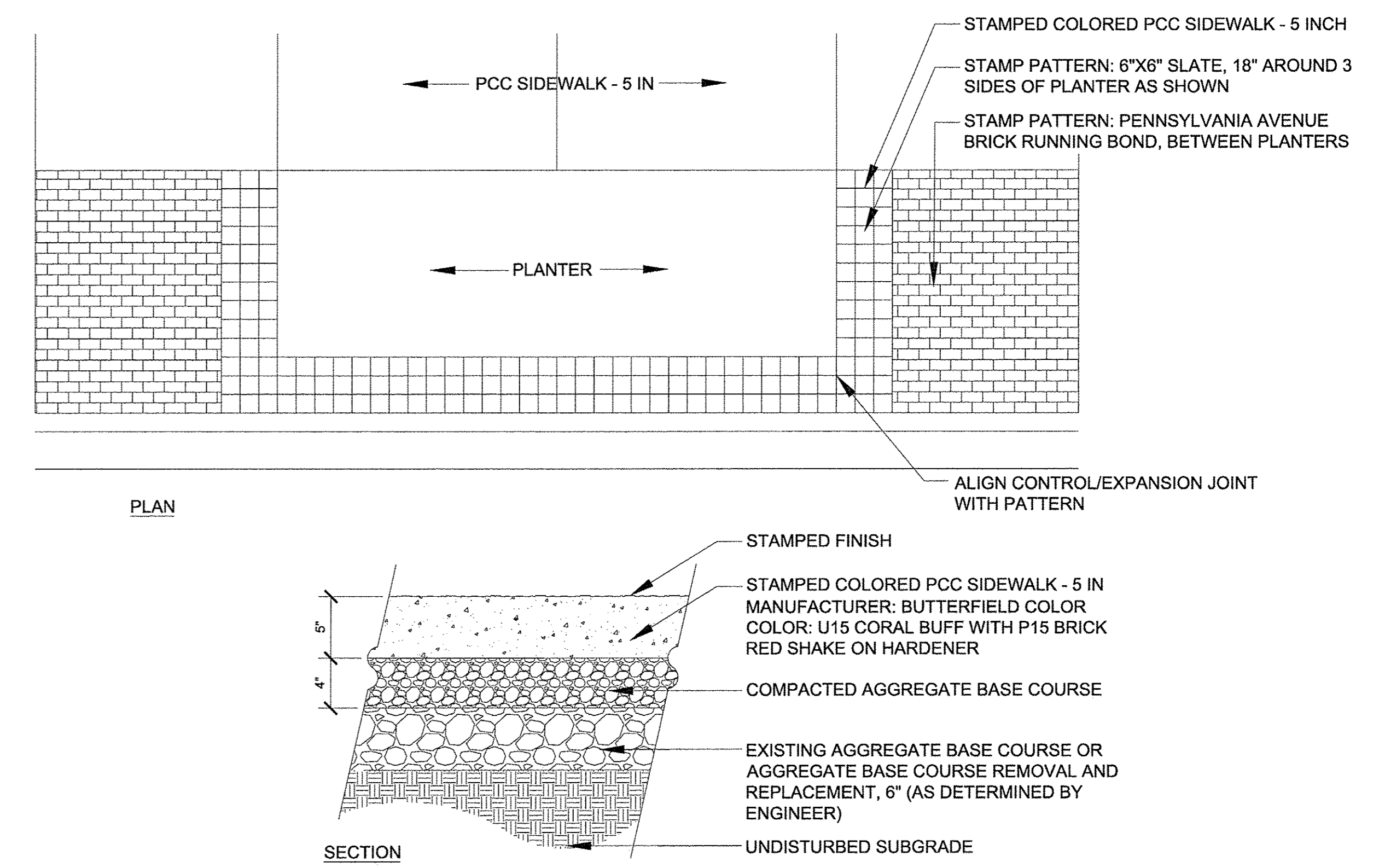
NOTES:

- AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF TEMPORARY PAVEMENT.
- REMOVAL OF TEMPORARY PAVEMENT, INCLUDING AGGREGATE BASE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR PAVEMENT REMOVAL.

TEMPORARY PAVEMENT



CONCRETE CURB (SPECIAL)



STAMPED COLORED PCC SIDEWALK - 5 IN

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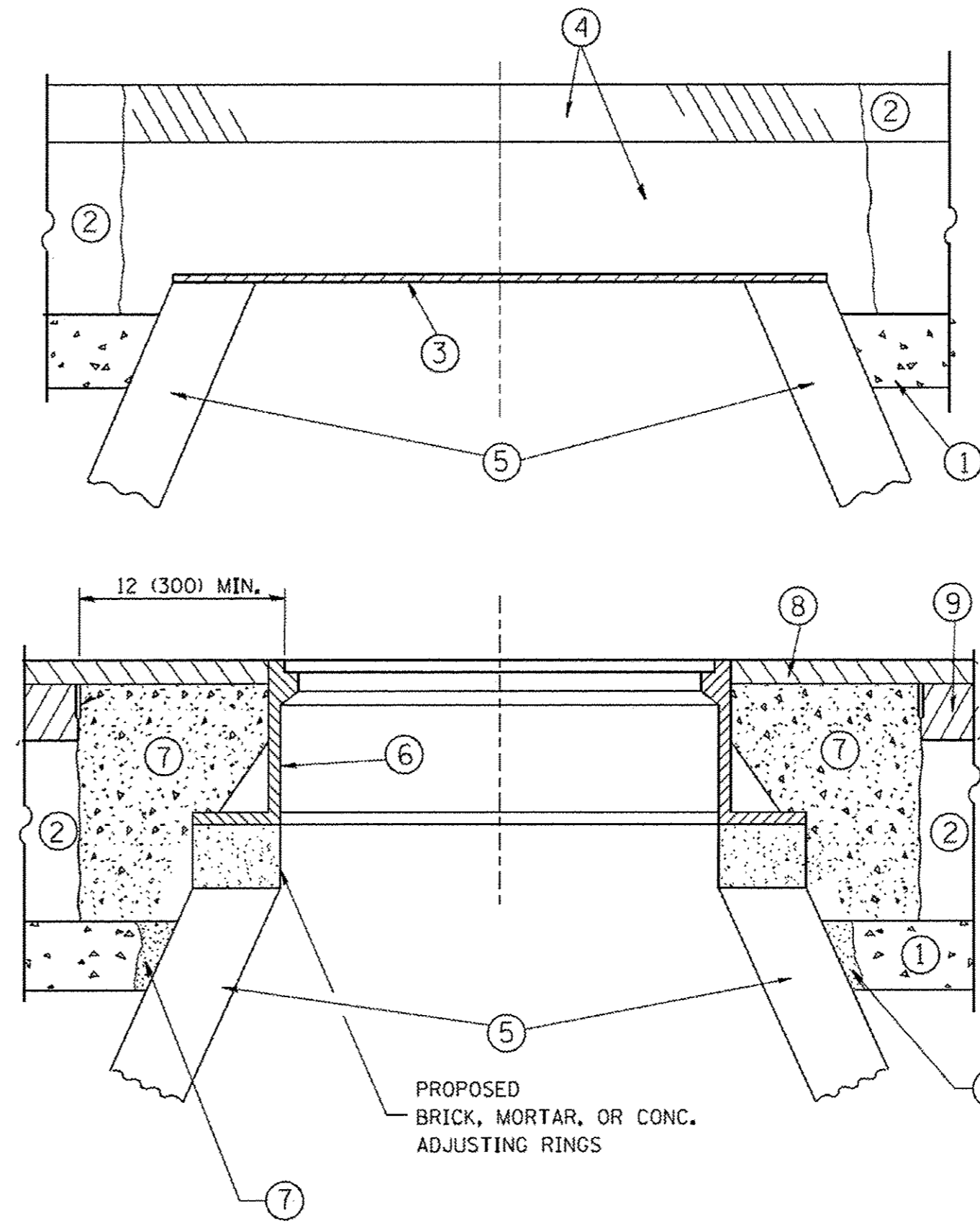
BAXTER & WOODMAN Consulting Engineers	DESIGNED - JFM	REVISED -
	DRAWN - MAC	REVISED -
	CHECKED - JCC	REVISED -
	DATE - 12/05/2016	FILE - 150009-28SHT_Misc_Details.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		STA. TO STA.	
MISCELLANEOUS DETAILS		CONTRACT NO. 61D32	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1297	15-00192-00-RS	COOK	96	87
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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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 PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

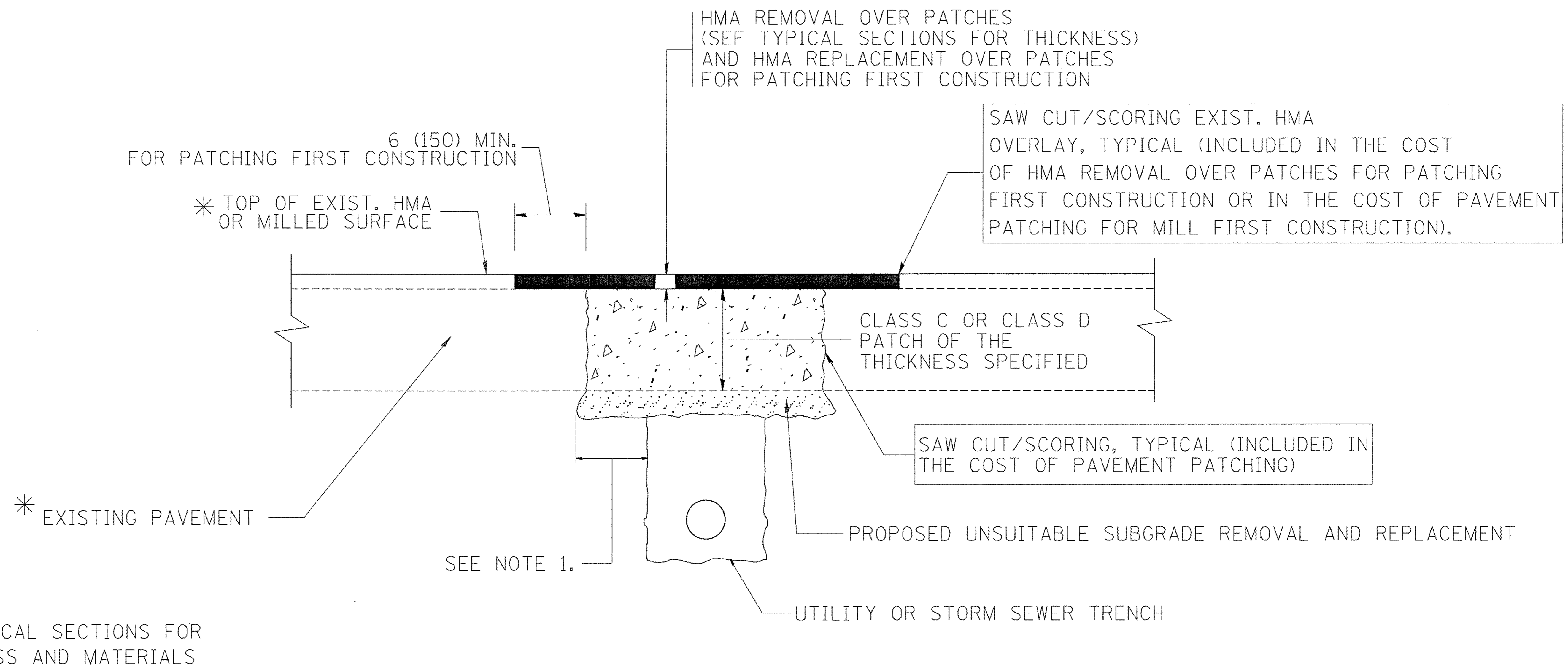
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
• 1297

FILE NAME =	USER NAME = bwardl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED - R. BORO 03-09-11					BD600-03 (BD-8)				CONTRACT NO. 61D32
		DATE - 10-25-94	REVISED - R. BORO 12-06-11					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.

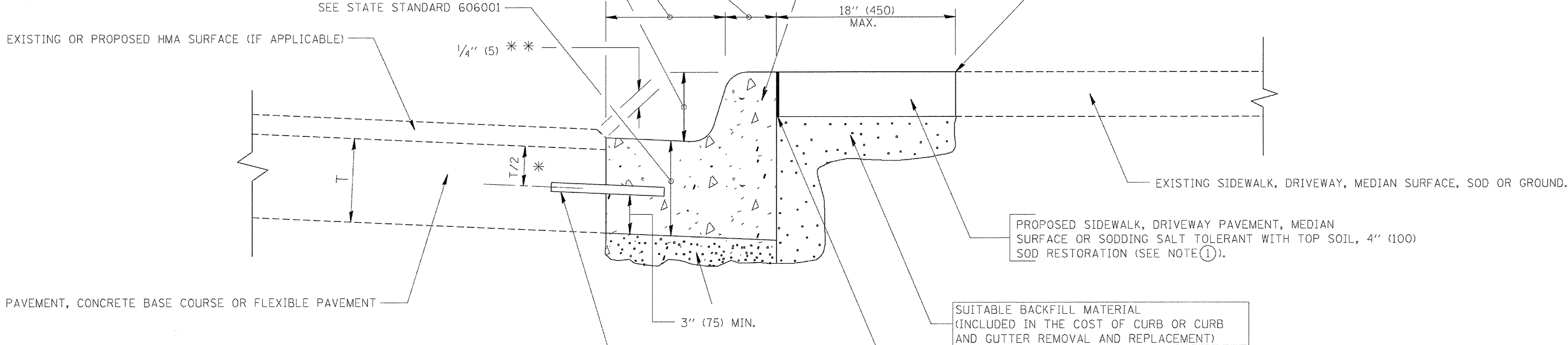
COPYRIGHT © 2006 BY BAXTER & WOODMAN, INC. ALL RIGHTS RESERVED. ILLINOIS PROFESSIONAL ENGINEERING LICENSE NO. 184-000212, EXPIRES 7/30/2017. 2633ccc 12/29/2016 3:24:42 PM \\cprp-bowwood.com\projects\crystal\okel\VL\WV\50009-clv\Eng\50009-28\Sheet-28SH1-BD.dgn

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PLOT SCALE = 50.000 ' / IN.	CHECKED -	DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD400-04 (BD-22) CONTRACT NO. 61D32				
PLOT DATE = 10/27/2008	DATE - 10-25-94	CHECKED -	REVISED - R. BORO 09-04-07									
	DATE - 10-25-94	CHECKED -	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

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

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

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



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

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

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

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

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

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

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

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

- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- * * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

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

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

- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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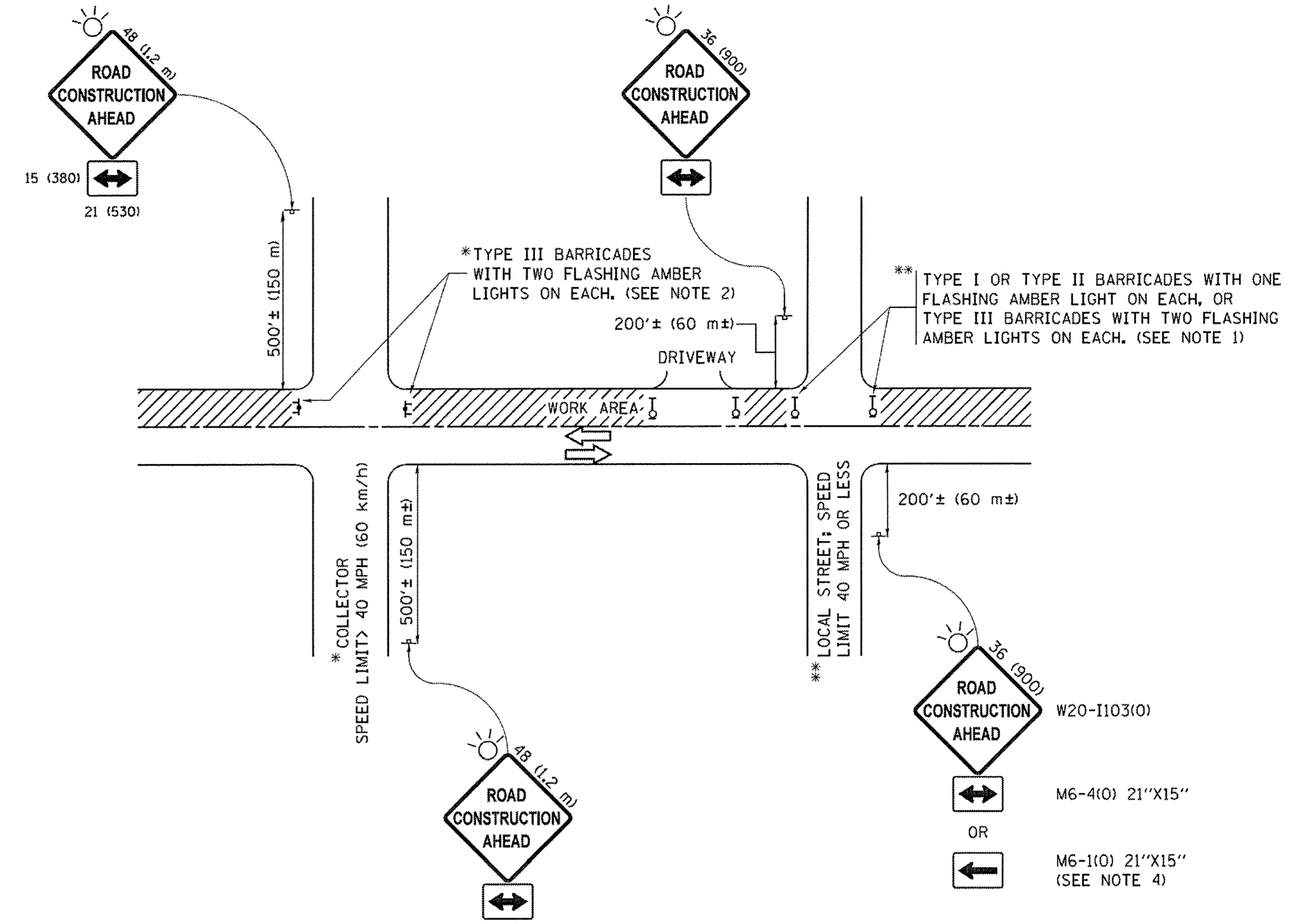
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...	...	DATE - 03-11-94	REVISED - R. BORO 12-15-09

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00192-00-RS	COOK	96	90
BD600-06 (BD-24)		CONTRACT NO. 61D32		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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NOTES:

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

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

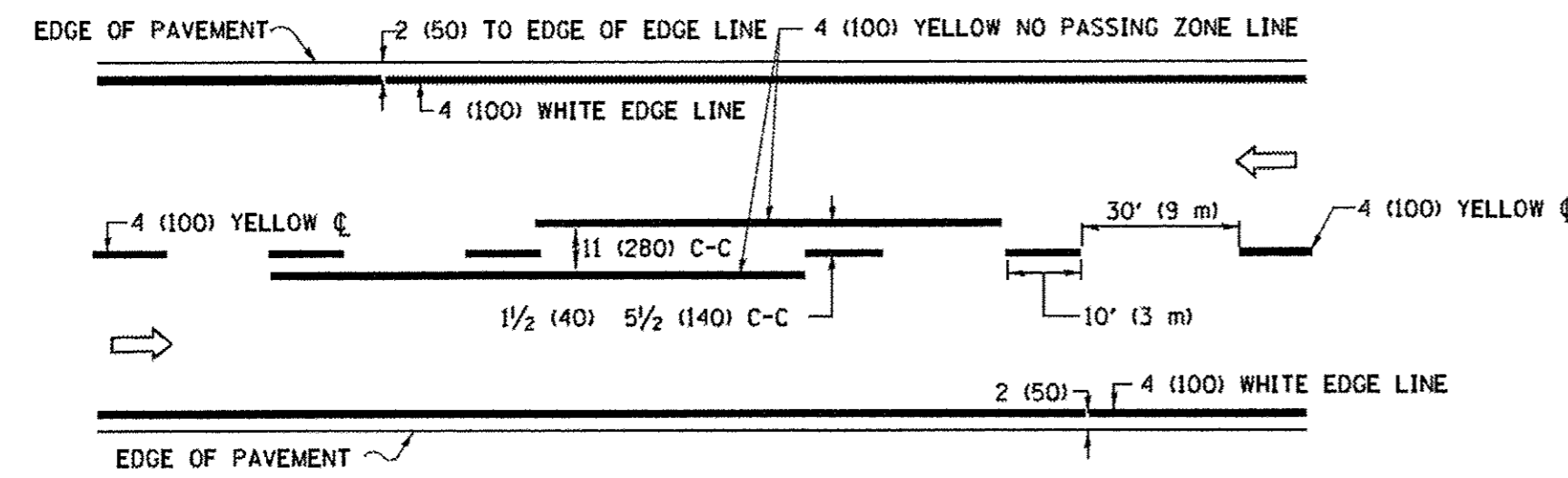
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PLOT DATE = 9/15/2016			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

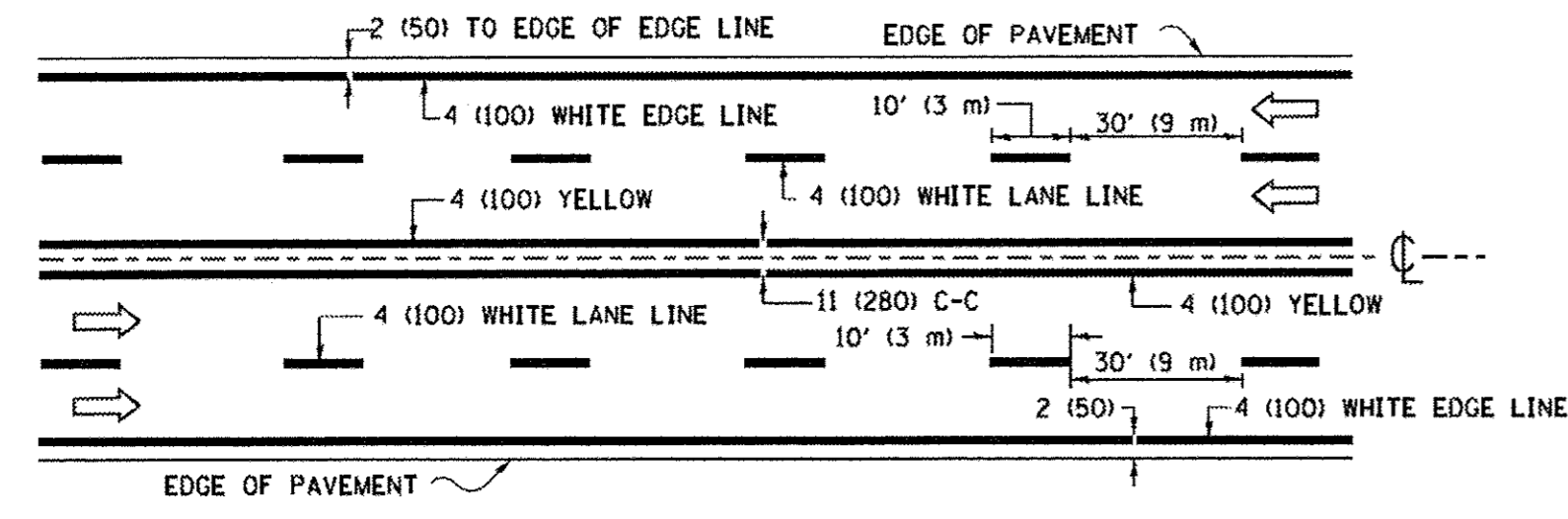
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

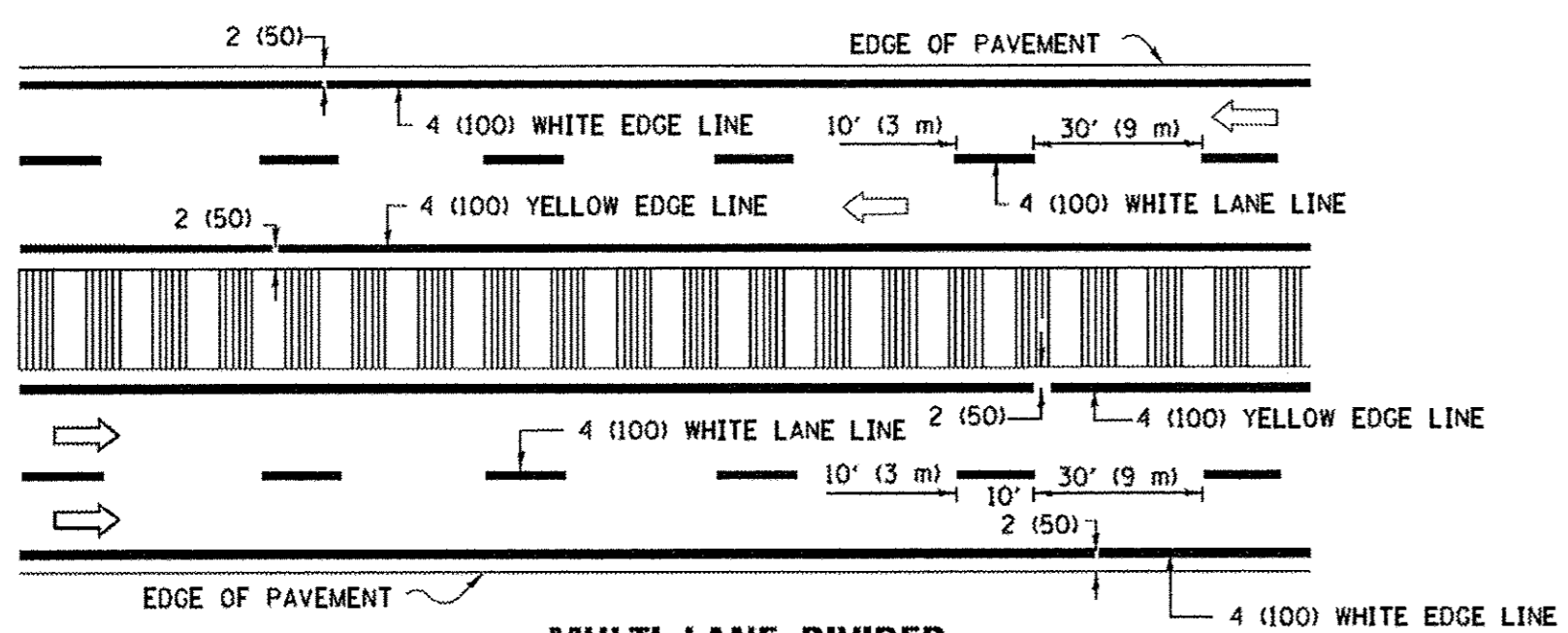
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	15-00192-00-RS	COOK	96	92
TC-10			CONTRACT NO. 61032	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

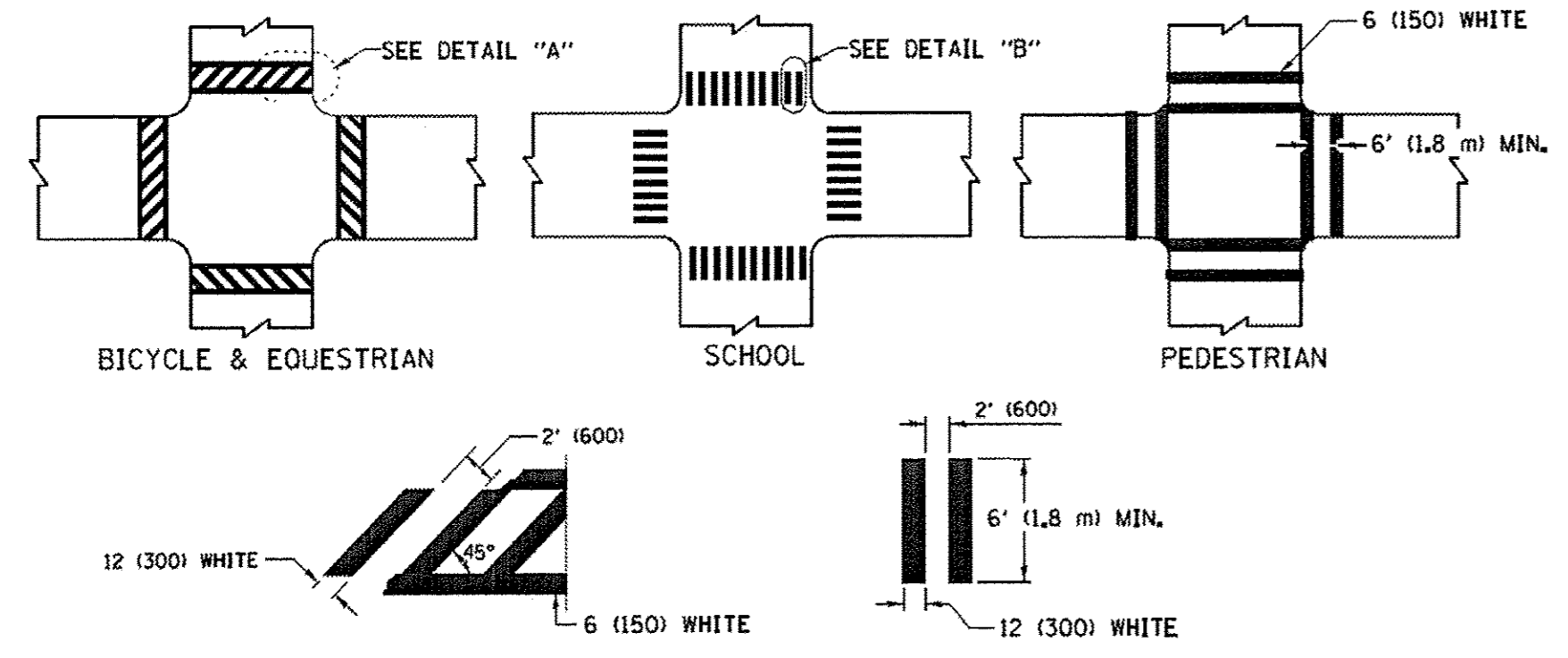


MULTI-LANE UNDIVIDED



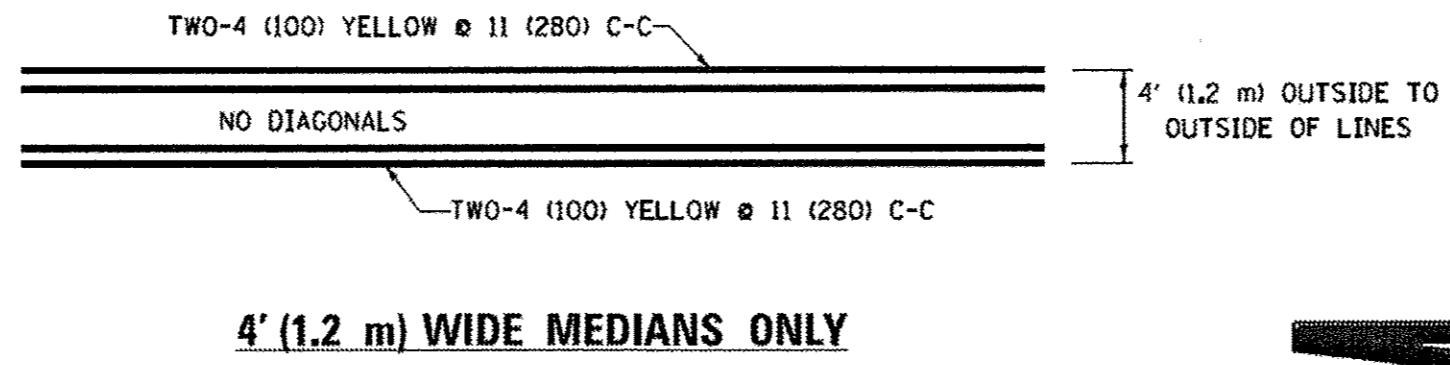
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

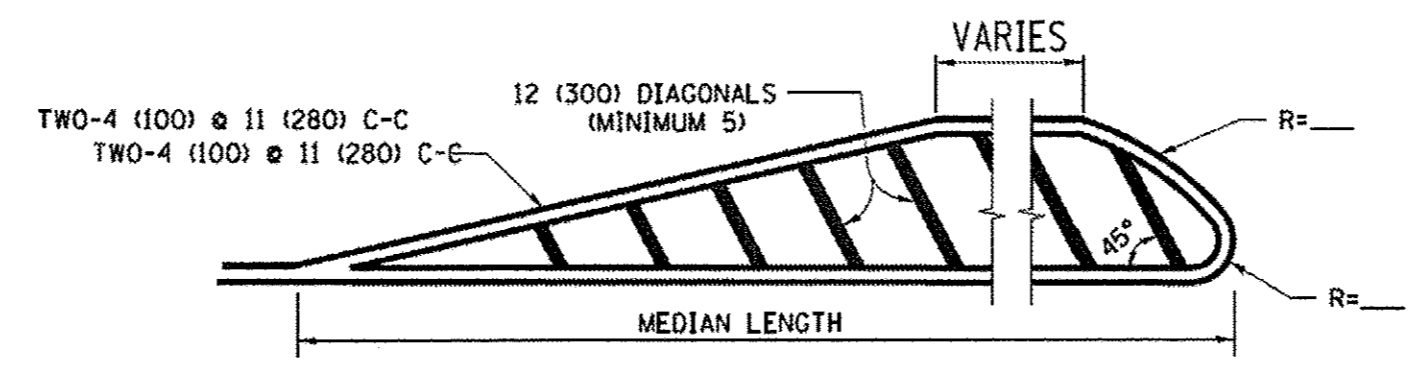


TYPICAL CROSSWALK MARKING

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

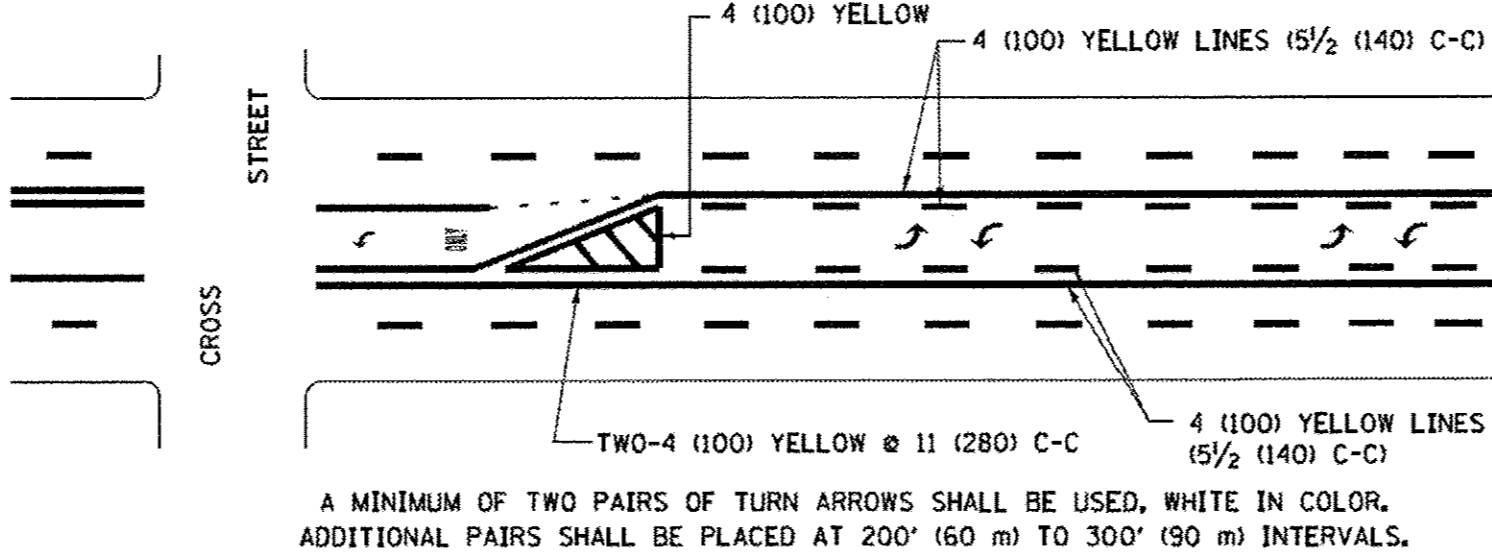


4' (1.2 m) WIDE MEDIANS ONLY

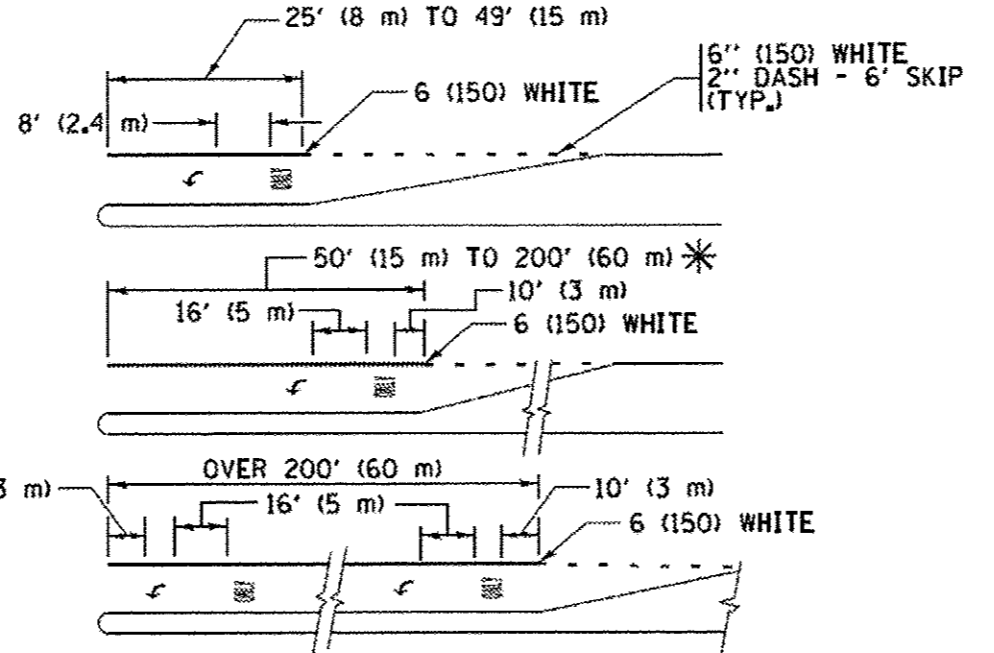


MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

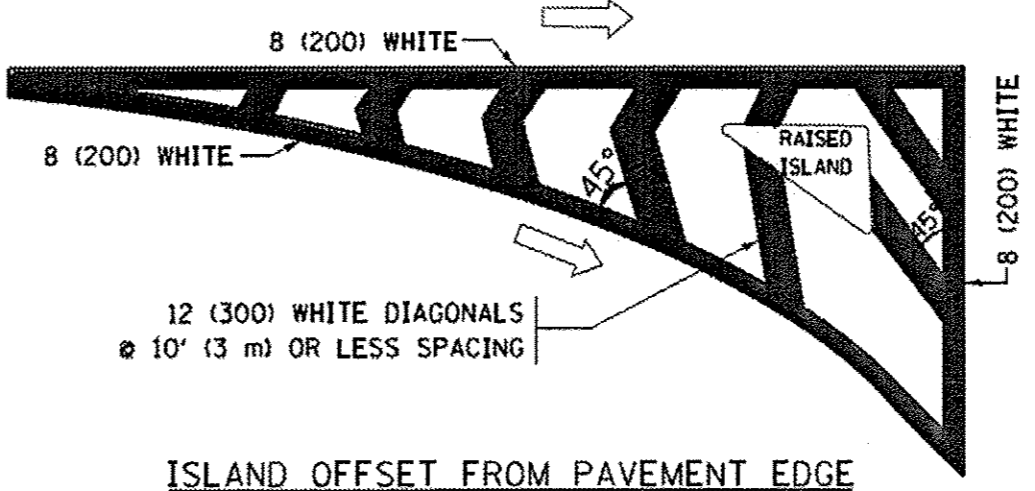


MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING

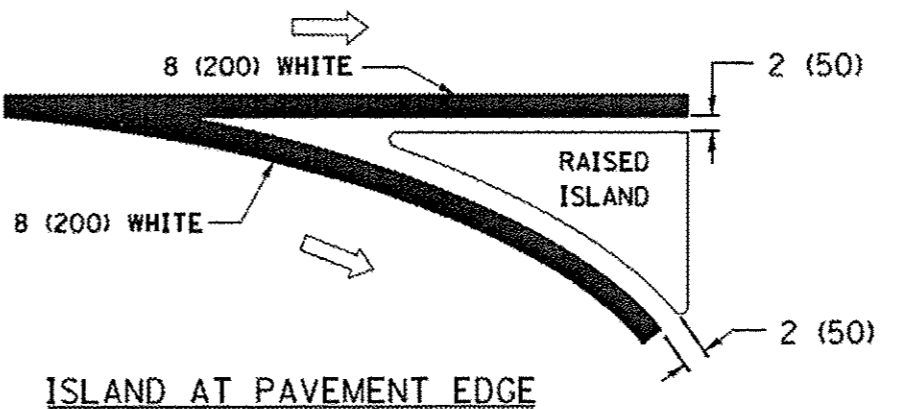


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

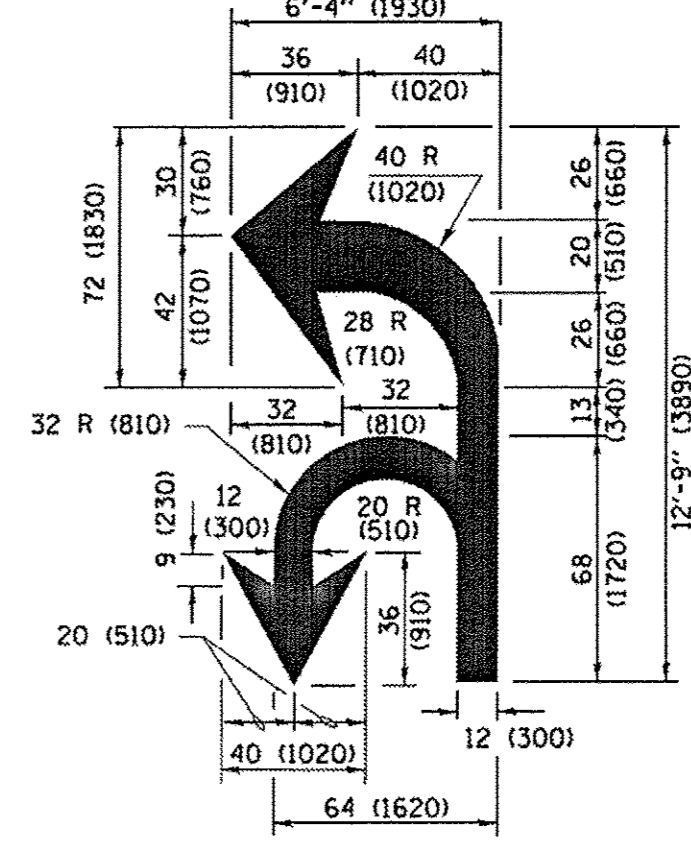


ISLAND OFFSET FROM PAVEMENT EDGE

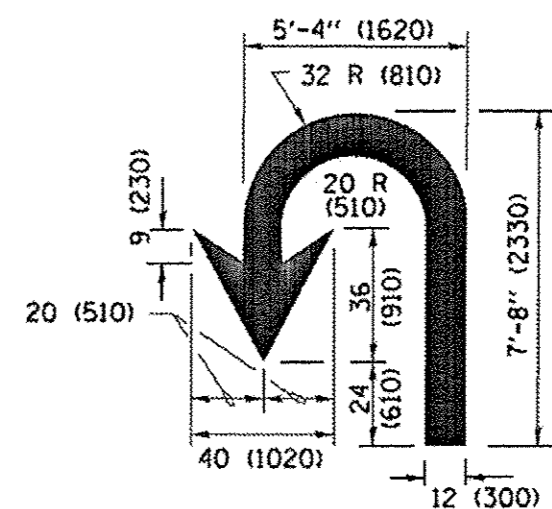


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)		SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "R" IS 6' (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "R" IS 3.6 SQ. FT. (0.33 m ²) EACH "X" IS 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

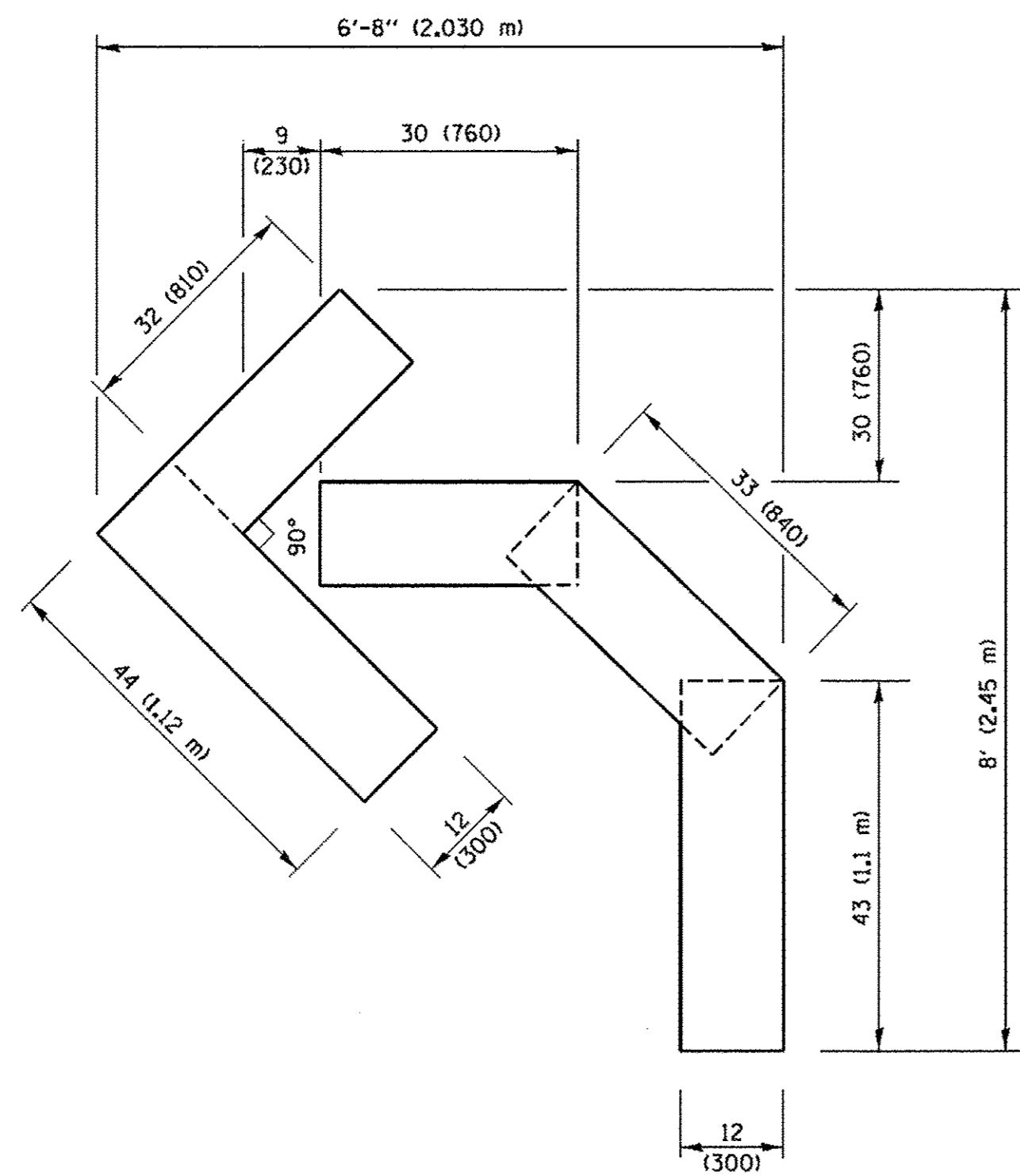
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

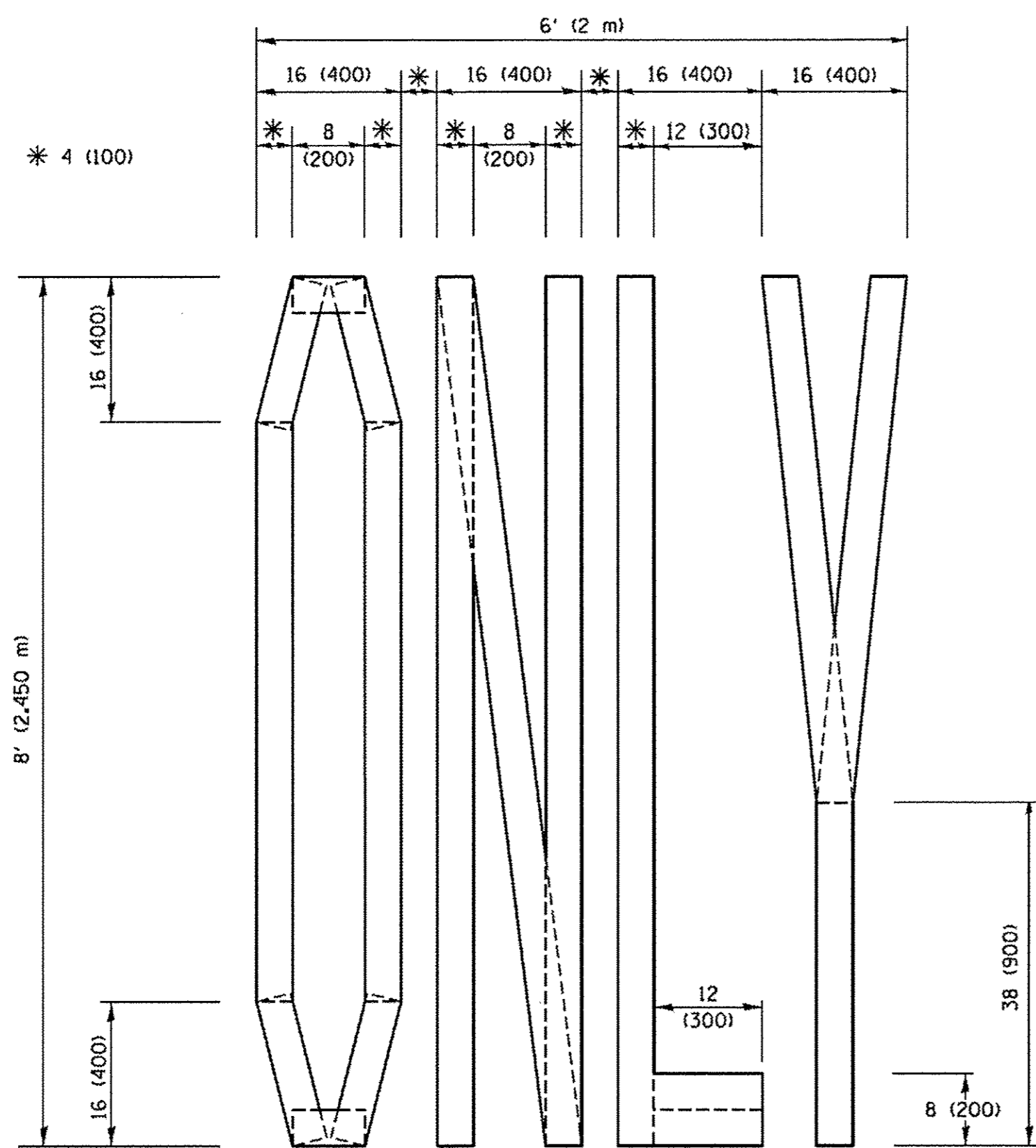
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 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 84-00121 - EXPIRES 4/30/2017
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 User: jrciv
 Plot Scale: 1/16" = 1'-0"
 Plot Date: 4/13/2016

FILE NAME =	USER NAME = jrciv	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PROJECT =	PROJECT =	CHECKED -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 1/16" = 1'-0"	PLOT SCALE = 1/16" = 1'-0"	DATE = 03-19-90	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 4/13/2016	PLOT DATE = 4/13/2016	DATE = 03-19-90	REVISED - C. JUCIUS 04-12-16	

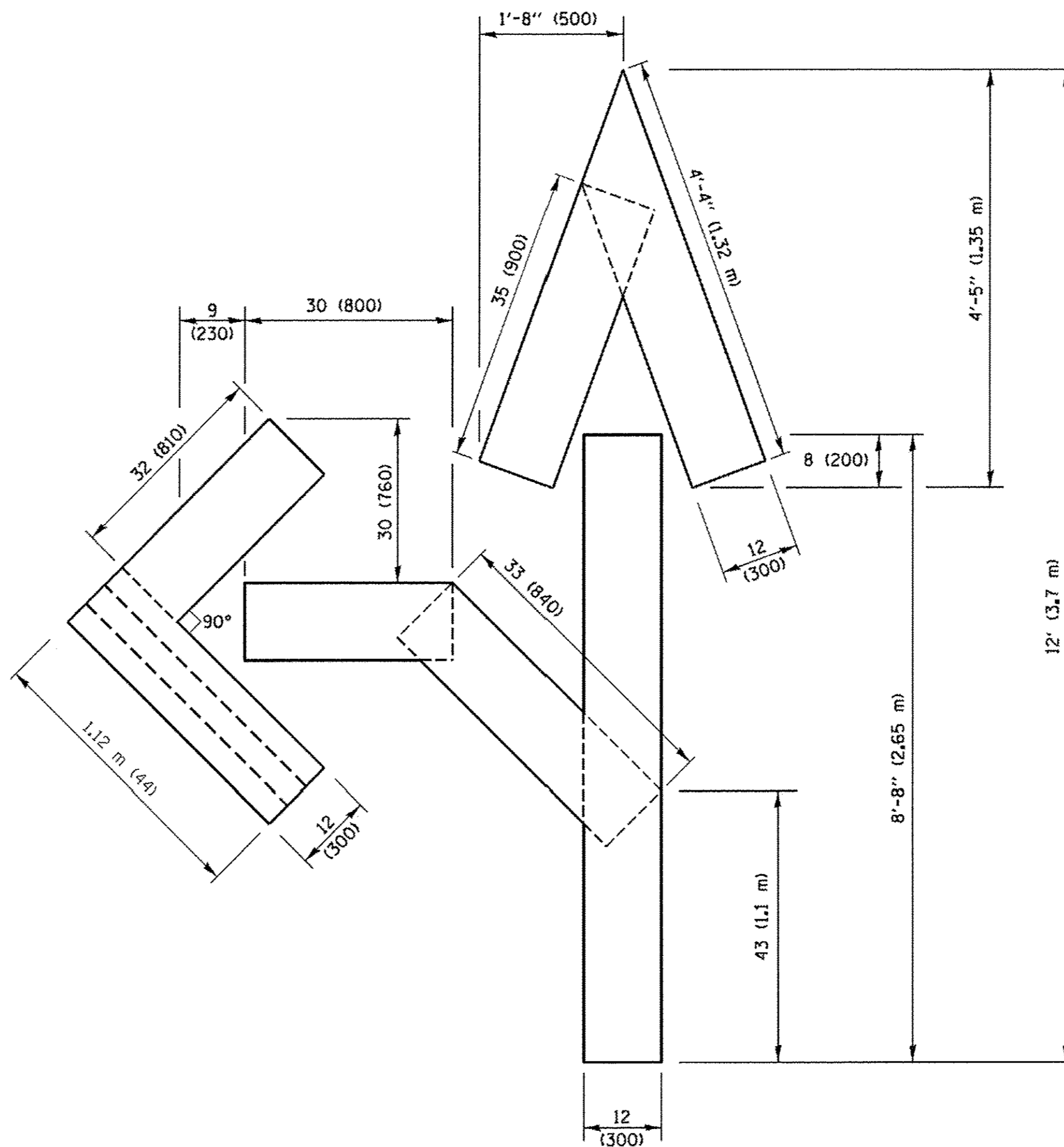
DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS			15-00192-00-RS	COOK	96	93
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 61D32 ILLINOIS FED. AID PROJECT			



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

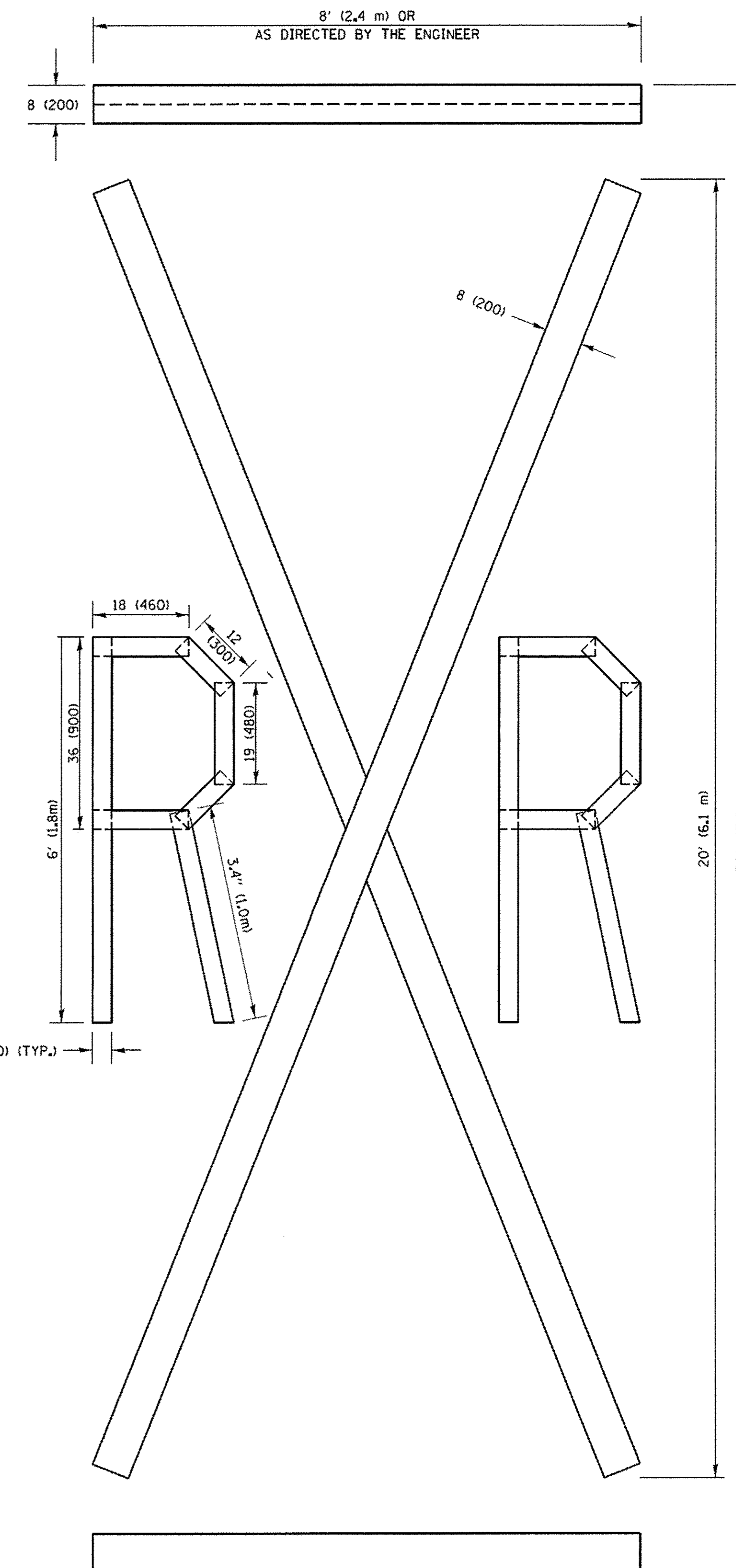


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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

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



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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	15-00192-00-RS	COOK	96	94
TC-16		CONTRACT NO. 61032		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = USER NAME = footemj DESIGNED - T. RAMMACHER 03-02-98 REVISIONS - T. RAMMACHER 03-02-98
 pw\N1L084E8I0INTEG.illinois.gov\PI00T\Documents\DOT Offices\District 1\Projects\Dist 1\Drawings\CADData\CADsheets\t016.dgn REVISIONS - E. GOMEZ 08-28-00
 PLOT SCALE = 50.0000 / 1" = 10' CHECKED - E. GOMEZ 08-28-00 PLOT DATE = 9/15/2016 DATE - 09-18-94 REVISIONS - A. SCHUETZE 09-15-16

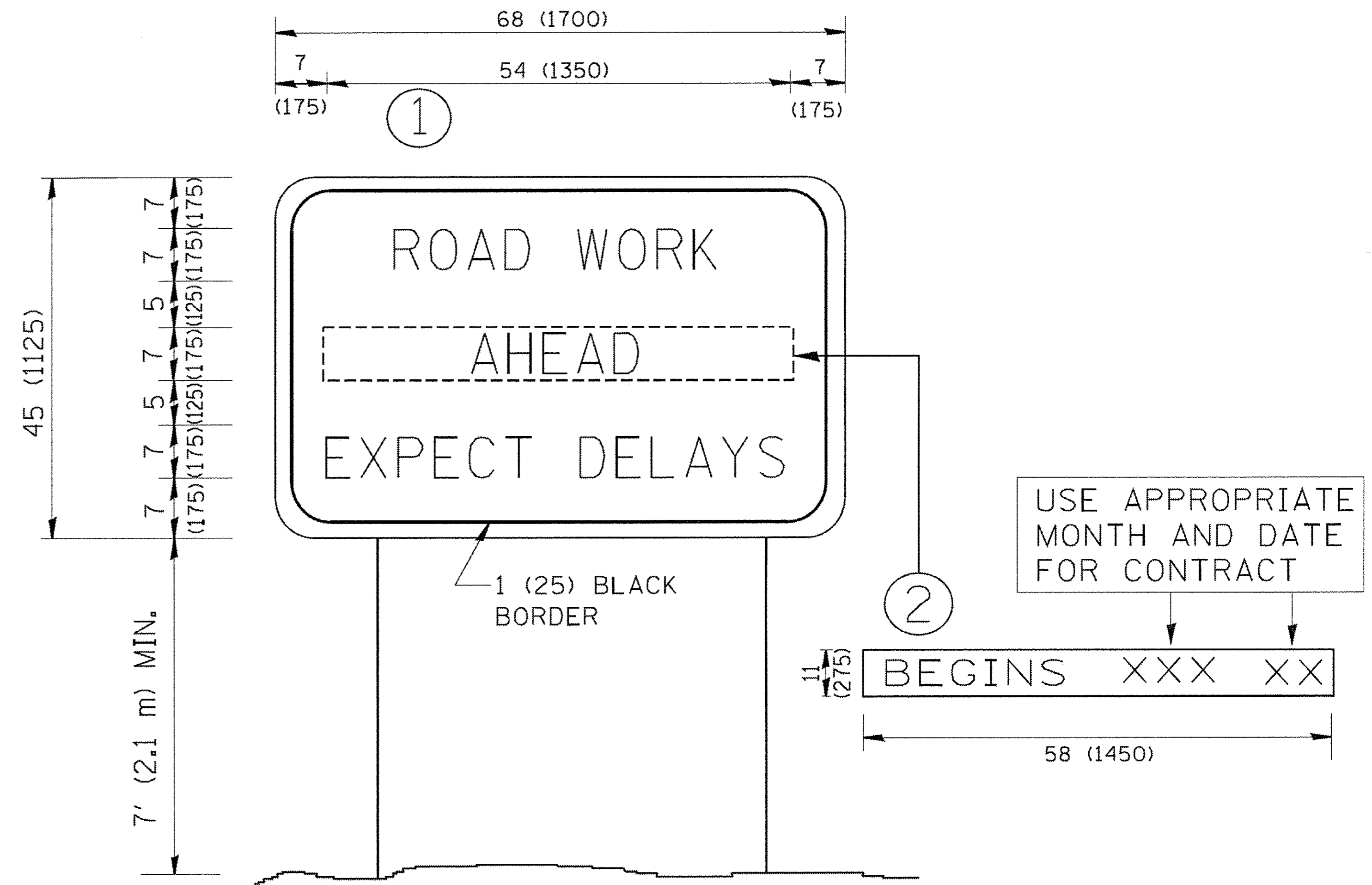
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 12/23/2016 3:25:42 PM

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

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 PLOT SCALE: 1/4" = 1'-0"
 PLOT DATE: 1/4/2016
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 USER NAME: goglienobt
 DESIGNED: -
 DRAWN: -
 CHECKED: -
 PLOT DATE: 1/4/2016
 REVISED: - R. MIRS 09-15-97
 REVISED: - R. MIRS 12-11-97
 REVISED: - T. RAMMACHER 02-02-99
 REVISED: - C. JUCIUS 01-31-07
 W:\projects\2016\1122\1122.dgn
 USER: goglienobt
 DESIGNED: -
 DRAWN: -
 CHECKED: -
 PLOT DATE: 1/4/2016



NOTES:

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

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

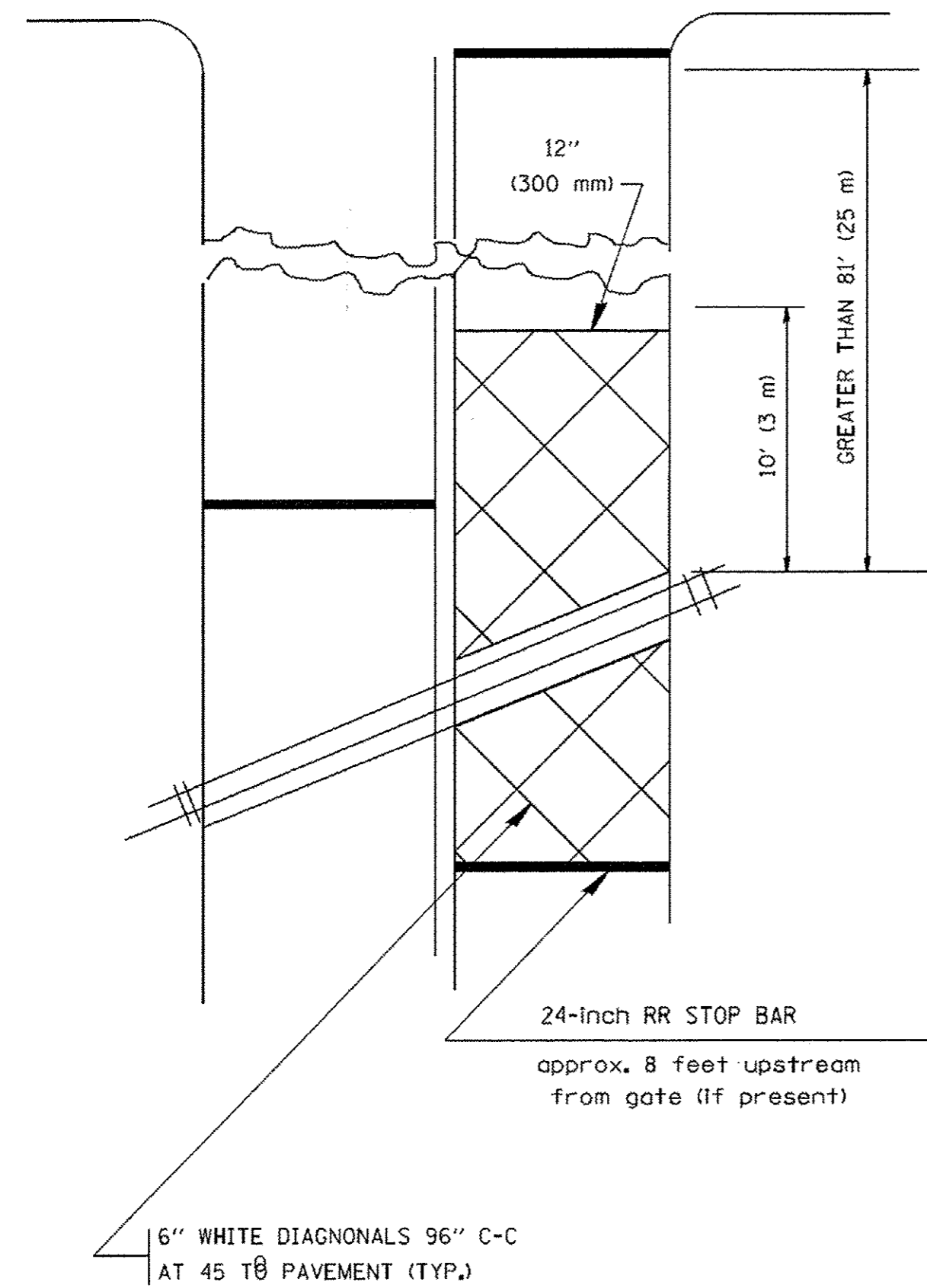
FILE NAME =	USER NAME = goglienobt	DESIGNED -	REVISED - R. MIRS 09-15-97
W:\distata\22x34\ta22.dgn		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 "/ IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2016	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

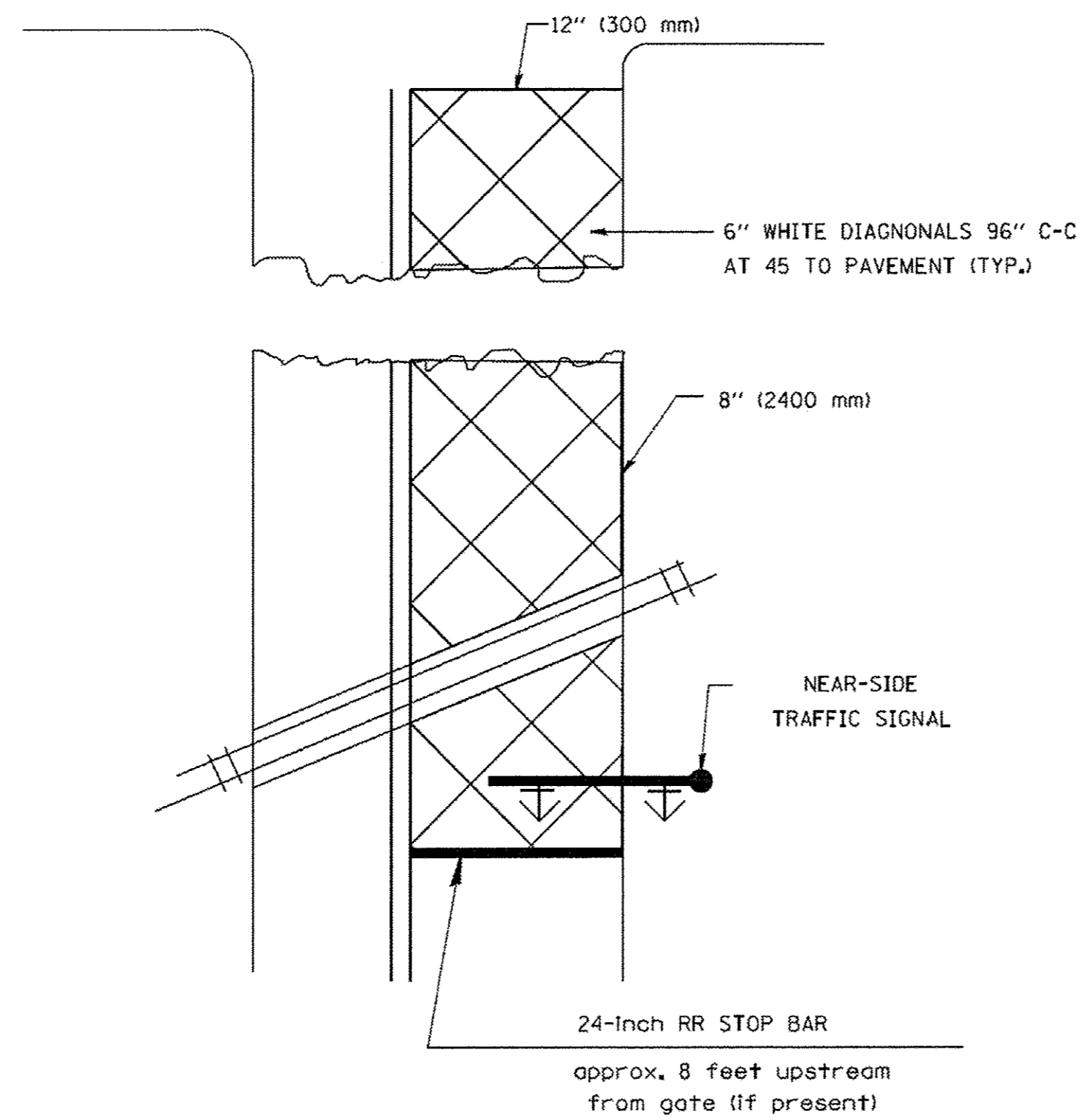
ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	15-00192-00-RS	COOK	96	95
TC-22		CONTRACT NO. 61032		
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				

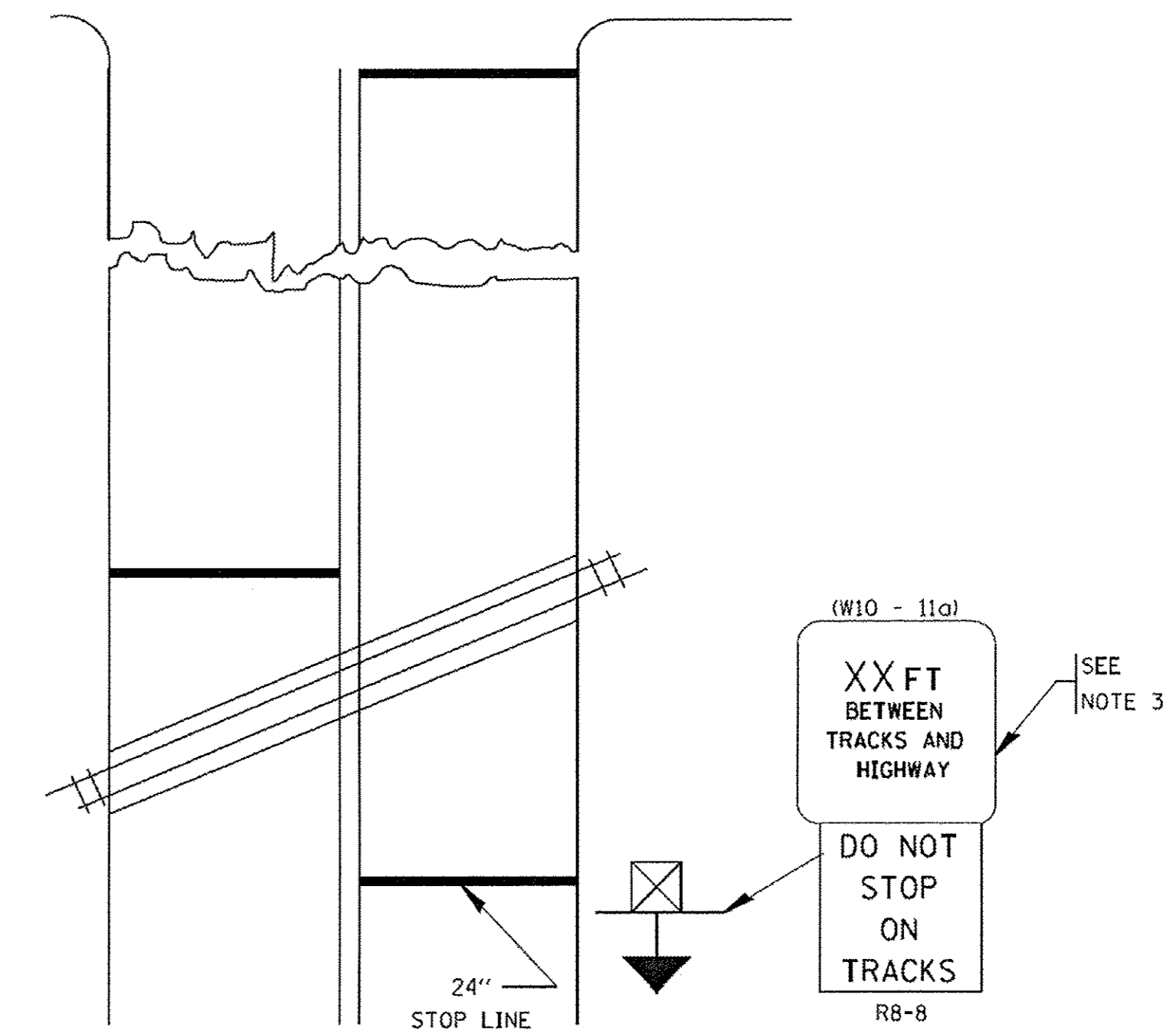
WITH INTERSECTION TRAFFIC SIGNALS
(SEE NOTE 1)



WITH NEAR-SIDE TRAFFIC SIGNALS
(SEE NOTE 1 & 2)



WITH NONSIGNALIZED INTERSECTION
81' (25 m) OR LESS TO CLOSEST RAIL



PLAN
N. T. S.

PLAN
N. T. S.

NOTES:

- PAVEMENT MARKINGS TO BE INSTALLED ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED, THE PAVEMENT MARKINGS EXTENDS TO THE INTERSECTION.
- DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET (1.8 m) FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET (1.5 m). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6-FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
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• 1297

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DRAWN BY: J. BAXTER
CHECKED BY: J. WOODMAN
DATE: 04/26/12
SCALE: AS SHOWN
PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION
SHEET NO. 1 OF 1
CONTRACT NO. 15-00192-00-RS
COUNTY: COOK
TOTAL SHEETS: 96
SHEET NO.: 96

FILE NAME =	USER NAME = dr1vakosgn	DESIGNED -	REVISED - 02-25-11
		DRAWN -	REVISED - 04-26-12
	PLOT SCALE = 50.000' / 1" =	CHECKED -	REVISED -
	PLOT DATE = 5/7/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	15-00192-00-RS	COOK	96	96
TC-23			CONTRACT NO. 61D32	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				