

11-06-2015 LETTING ITEM 104

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

**SOUTH BOULEVARD  
(FAP 348) ILLINOIS ROUTE 43 (HARLEM AVENUE) TO MARION STREET  
SECTION 13-00256-00-PV  
PROJECT TCSP IL 12(102)  
PAVEMENT AND SIDEWALK RECONSTRUCTION  
WITH STREETScape IMPROVEMENTS  
COOK COUNTY  
C-91-300-13**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	1
		ILLINOIS	CONTRACT NO. 61B99	

D-91-300-13



FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGE OF OAK PARK

**SOUTH BOULEVARD**

POSTED SPEED LIMIT = 25 MPH  
DESIGN SPEED LIMIT = 30 MPH  
FUNCTIONAL CLASSIFICATION = LOCAL ROAD  
ADT = 4,522 (2015)

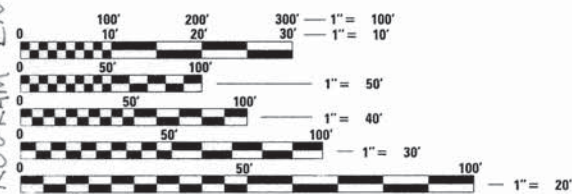
SOUTH BOULEVARD IMPROVEMENTS BEGIN STA. 45+13.33

SOUTH BOULEVARD IMPROVEMENT ENDS STA. 51+23.43



LOCATION MAP  
OAK PARK TOWNSHIP

GROSS LENGTH = 610 FT. = 0.116 MILE  
NET LENGTH = 610 FT. = 0.116 MILE



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

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

CONTRACT NO. 61B99



*Jamil Bou-Saab*  
JAMIL BOU-SAAB  
LICENSED PROFESSIONAL ENGINEER  
ILLINOIS NO. 062-047537 EXPIRES 11-30-15



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<i>W. McKeown</i> Village of Oak Park Village Engineer LOCAL AGENCY POSITION
PASSED	9-2-2015 <i>C. Holt</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	9-4-2015 <i>John Fether</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION # ENGINEER

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FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, PE, PTOE 847-705-4021 SC-HAUMB4R6-IL

8/25/2015 c:\new\work\main\barrier\barrier.dwg 11:52:27 -ht-recover.dgn

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BLR10-06	PCC PAVEMENT SPECIAL
BLR14-11	PORTLAND CEMENT CONCRETE PAVEMENT (NONREINFORCED)

GENERAL NOTES

- THE LOCATION OF DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF MOBILIZATION UNIT BID PRICE OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
  - ALL AREAS DISTURBED DURING CONSTRUCTION OPERATIONS AND NOT PART OF THE WORK AS SHOWN HEREON SHALL BE RESTORED TO ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COMPENSATION TO THE CONTRACTOR. IT IS INCUMBENT UPON THE CONTRACTOR TO SHOW THAT DAMAGED AREAS WERE NOT DISTURBED BY CONSTRUCTION OPERATIONS.
  - THESE DRAWINGS ASSUME THAT THE CONTRACTOR WILL UTILIZE AN ELECTRONIC DRAWING FILE AND STAKE ALL SITE IMPROVEMENTS USING COORDINATES TIED INTO THE PROVIDED CONTROL POINTS. THE DIMENSIONS INDICATED ON THE DRAWINGS ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY.
  - THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
  - THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL EXISTING UTILITIES AND STRUCTURES AS NECESSARY TO THE FINAL PROPOSED SURFACE PROFILE GRADES. CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR ADJUSTING EXISTING UTILITIES AND STRUCTURES AND ALL COORDINATION WITH CITY AND/OR VILLAGE DEPARTMENTS AND UTILITY OWNERS.
  - THE CONTRACTOR SHALL MAINTAIN SURFACE DRAINAGE OF THE ROAD DURING CONSTRUCTION.
  - THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES FOR FIELD LOCATIONS OF THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. ALL UTILITY LOCATIONS SHOWN MUST BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
  - ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT TERM CLOSURES.
  - CONTRACTOR MUST SAWCUT AND HAND BREAK FOR SIDEWALK REMOVAL AT THE R.O.W/ BUILDING LINE TO AVOID DAMAGE TO ADJACENT PROPERTIES. SAW CUTTING SHALL BE INCLUDED WITHIN THE REMOVAL PAY ITEM FOR WHICH THE SAW CUTTING IS BEING PROVIDED.
  - THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINING OF WORK.
  - FOR LOCATIONS OF UNDERGROUND TRAFFIC SIGNAL LINES AND INTERCONNECT CABLES CALL IDOT MAINTENANCE AT (847) 221-3078 TO LOCATE UNDERGROUND LIGHTING CABLE.
  - THE CONTRACTOR SHALL NOTIFY THE POLICE AND FIRE DEPARTMENTS AS TO WHEN AND WHAT STREETS, IF ANY, ARE TO BE CLOSED OR PARTIALLY BLOCKED SO THAT THEY CAN EFFICIENTLY ROUTE THEIR EMERGENCY VEHICLES.
- |                     | POLICE DEPARTMENT TELEPHONE NO. | FIRE DEPARTMENT TELEPHONE NO. |
|---------------------|---------------------------------|-------------------------------|
| VILLAGE OF OAK PARK | (708) 386-3800                  | (708) 445-3300                |
- SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF IDOT STANDARD SPECIFICATIONS AND ALL REVISIONS THERETO AND IN ACCORDANCE WITH THE DETAILS ON THE PLANS.
  - ANY WASTE GENERATED AS A NON-SPECIAL WASTE FROM THIS PROJECT SHALL BE MANIFESTED OFF-SITE USING THE GENERATOR NUMBER ASSOCIATED WITH COOK COUNTY, THE GENERATOR NUMBER FOR COOK COUNTY IS 0318995023

R:\SOUTH BLVD OakPark 7CSP (13-227)DESIGN\CIVIL\LOAD Sheets\IMPORTED FILES FROM PROJECTWISE\019527-ahv-gemoss-ldgn De Paul.t



USER NAME = BernardB	DESIGNED - BCB	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - BCB	REVISED -
PLOT DATE = 9/28/2015	CHECKED - DPA	REVISED -
	DATE - 9/28/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
GENERAL NOTES AND INDEX OF SHEETS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	2
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

**A. REFERENCED SPECIFICATIONS**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
  - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
  - STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
  - VILLAGE OF OAK PARK MUNICIPAL CODE;
  - THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
  - IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

**B. NOTIFICATIONS**

- THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
- THE VILLAGE OF OAK PARK ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START-OF-CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

**C. GENERAL NOTES**

- ALL ELEVATIONS SHOWN ON PLANS ARE IN MWRD DATUM AND VILLAGE OF OAK PARK DATUM. THE CONVERSION FACTOR TO OBTAIN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) ADD 579.204 TO THE PLAN DATUM.
- MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
- THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

**D. SANITARY SEWER**

- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
- ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-2855 OR ASTM D-3212 ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350	ASTM D-3261, F-2620(HEAT FUSION) ASTM D, F477 (GASKETED)
WATER MAIN QUALITY PVC 4-INCH TO 36-INCH	ASTM D-2241	ASTM D-2672 OR ASTM D-3139
4-INCH TO 12-INCH	AWWAC900	ASTM D-3212
14-INCH TO 48-INCH	AWWAC905	ASTM D-3212

- ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4". "TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4". THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-II OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
- "BAND SEAL" OR SIMILAR NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR MATERIALS.
- ALL MANHOLES AND STRUCTURES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS BELOW THE FLOOD PROTECTION ELEVATION(FPE=BFE+2FEET). SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.  
  
WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:  
A) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.  
B) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.  
C) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
- WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATER MAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATER MAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATER MAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS.
- ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
- ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
- EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

- A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

**E. EROSION AND SEDIMENT CONTROL**

- THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM: A) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE. B) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- 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 CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL 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.
- CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDRAULICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
- ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATER MAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

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	DATE - 9/28/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK – SOUTH BOULEVARD IMPROVEMENTS  
MWRD GENERAL NOTES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	3
CONTRACT NO. 61899				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODES

FEDERAL TCSP 80/20			NON-PARTICIPATORY		
(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043)	
				SEWER	WATER MAIN

SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER	(0043) WATER MAIN
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	10			10			
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	203			203			
*	20101700	SUPPLEMENTAL WATERING	UNIT	10.0			10.0			
	20200100	EARTH EXCAVATION	CU YD	1,175	1,100			75		
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50	15			5	20	10
	20800150	TRENCH BACKFILL	CU YD	999					286	713
*	25200110	SODDING, SALT TOLERANT	SQ YD	146			146			
	28000400	PERIMETER EROSION BARRIER	FOOT	359	359					
	28000510	INLET FILTERS	EACH	13	13					
	28200200	FILTER FABRIC	SQ YD	1,377	1,377					
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1,761	1,604			157		
	31101300	SUBBASE GRANULAR MATERIAL, TYPE B 5"	SQ YD	638		638				
	31102500	SUBBASE GRANULAR MATERIAL, TYPE C 8"	SQ YD	25				25		
	35301000	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE 7"	SQ YD	1,761	1,604			157		

\* SPECIALTY ITEM

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PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES**

SCALE: 1"=50'    SHEET 1    OF 16    SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	4
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES					
					FEDERAL TCSP 80/20			NON-PARTICIPATORY		
					(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER WATER MAIN	
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	217	217					
	40600990	TEMPORARY RAMP	SQ YD	59	59					
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	14.4	14.4					
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3.6	3.6					
	42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	272			272			
	42000400	PORTLAND CEMENT CONCRETE PAVEMENT 9"	SQ YD	92	92					
	42000900	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	29	29					
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6,470.0		6,470.0				
	42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	547		547.0				
	42400800	DETECTABLE WARNINGS	SQ FT	110		110				
	44000100	PAVEMENT REMOVAL	SQ YD	2,307	2,307					
	44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	160	160					
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	54	54					
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,458	1,458					

• SPECIALTY ITEM

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PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES

SCALE: 1"=50' SHEET 2 OF 16 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	5
CONTRACT NO. 61B99			ILLINOIS FED. AID PROJECT	

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SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES					
					FEDERAL TCSP 80/20			NON-PARTICIPATORY		
					(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER	(0043) WATER MAIN
	44000600	SIDEWALK REMOVAL	SQ FT	9,025.0		9,025.0				
	44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	11						11
	44201298	DOWEL BARS 1 1/4"	EACH	36	36					
	44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	8				6		2
	44213204	TIE BARS 3/4"	EACH	650	650					
	50300300	PROTECTIVE COAT	SQ YD	1,447	635	780		32		
	55100300	STORM SEWER REMOVAL 8"	FOOT	22					22	
	* 56100600	WATER MAIN 6"	FOOT	18						18
	* 56100700	WATER MAIN 8"	FOOT	30						30
	* 56100900	WATER MAIN 12"	FOOT	548						548
	* 56104800	WATER VALVES 4"	EACH	2						2
	* 56105000	WATER VALVES 8"	EACH	1						1
	* 56105200	WATER VALVES 12"	EACH	1						1
	* 56200700	WATER SERVICE LINE 2"	FOOT	580						580

\* SPECIALTY ITEM



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PLOT DATE = 9/3/2015		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES

SCALE: 1"=50' SHEET 3 OF 16 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	6
CONTRACT NO. 61B99				
[ILLINOIS] FED. AID PROJECT				

CONSTRUCTION CODES

FEDERAL TCSP 80/20			NON-PARTICIPATORY		
(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043)	
				SEWER	WATER MAIN

SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER	(0043) WATER MAIN
	56201120	WATER SERVICE LINE 4"	FOOT	68						68
	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1						1
	56500700	DOMESTIC WATER SERVICE BOXES TO BE REMOVED	EACH	3						3
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	5					5	
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	3					3	
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3					3	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1					1	
	60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1						1
	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1						1
	60500040	REMOVING MANHOLES	EACH	1					1	
	60500050	REMOVING CATCH BASINS	EACH	2					2	
	60600605	CONCRETE CURB, TYPE B	FOOT	28.5		28.5				
	60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	200.5				200.5		
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,034.0	1,034.0					

\* SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES**

SCALE: 1"=50'      SHEET 4    OF 16    SHEETS    STA.                      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	7
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODES

FEDERAL TCSP 80/20			NON-PARTICIPATORY		
(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043)	
				SEWER	WATER MAIN

SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER	(0043) WATER MAIN
	60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	37.0	37.0					
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	96		96				
*	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1		1				
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1					
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	5				2	2
	67100100	MOBILIZATION	L SUM	1	1					
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1		1				
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1		1				
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	234		234				
	72000100	SIGN PANEL - TYPE 1	SQ FT	24		17		7		
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	68		68				
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	10		10				
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	10		10				
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3		2		1		

\* SPECIALTY ITEM

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	USER NAME = BernardB	DESIGNED - BCB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS SUMMARY OF QUANTITIES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,0000' / in.	CHECKED - DPA	REVISED -			13-00256-00-PV	COOK	107	8	
	PLOT DATE = 9/3/2015	DATE - 9/3/2015	REVISED -			CONTRACT NO. 61B99				

SCALE: 1"=50'    SHEET 5 OF 16 SHEETS    STA.    TO STA.    ILLINOIS FED. AID PROJECT



CONSTRUCTION CODES

FEDERAL TCSP 80/20			NON-PARTICIPATORY		
(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043)	
				SEWER	WATER MAIN

SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER	(0043) WATER MAIN
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	9		7		2		
	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	5		5				
	• 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	50		50				
	• 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	585		585				
	• 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	134		134				
	• 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	102		102				
	• 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	5		5				
	• 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	258		258				
	• 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	55		55				
	• 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	102		102				
	• 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1				
	• 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1		1				
	• 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	39		39				
	• 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	36		36				

• SPECIALTY ITEM

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PLOT DATE = 9/3/2015	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES**

SCALE: 1"=50'    SHEET 6 OF 16 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	9
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

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						CONSTRUCTION CODES				
						FEDERAL TCSP 80/20			NON-PARTICIPATORY	
SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043)	
									SEWER	WATER MAIN
•	81028260	UNDERGROUND CONDUIT, GALVANIZED STEEL, 6" DIA.	FOOT	8		8				
•	81100905	CONDUIT ATTACHED TO STRUCTURE, 3 1/2" DIA., PVC COATED GALVANIZED STEEL	FOOT	30		30				
•	81400100	HANDHOLE	EACH	3		3				
•	81400300	DOUBLE HANDHOLE	EACH	1		1				
•	81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	329		329				
•	81603051	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	777		777				
•	81603100	UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	915		915				
•	82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1		1				
•	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	102		102				
•	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	10		10				
•	84200804	REMOVAL OF POLE FOUNDATION	EACH	10		10				
•	85000300	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	L SUM	1		1				
•	86300200	CONTROLLER CABINET TYPE II	EACH	1		1				
•	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	546		546				

• SPECIALTY ITEM



USER NAME = BernardB	DESIGNED - BCB	REVISED -
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PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES

SCALE: 1"=50' SHEET 7 OF 16 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	10
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

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SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES				
					FEDERAL TCSP 80/20			NON-PARTICIPATORY	
					(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER WATER MAIN
•	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	138		138			
•	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	420		420			
•	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	45		45			
•	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	241		241			
•	87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	1		1			
•	87700110	STEEL MAST ARM ASSEMBLY AND POLE, 14 FT.	EACH	1		1			
•	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4		4			
•	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10		10			
•	87900200	DRILL EXISTING HANDHOLE	EACH	2		2			
•	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2		2			
•	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACET MOUNTED	EACH	1		1			
•	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2		2			
•	88600700	PREFORMED DETECTOR LOOP	FOOT	303		303			
•	88800100	PEDESTRIAN PUSH-BUTTON	EACH	4		4			

• SPECIALTY ITEM



USER NAME = BernardB  
 DESIGNED - BCB  
 DRAWN - BCB  
 PLOT SCALE = 50.0000' / in.  
 PLOT DATE = 9/3/2015

DESIGNED - BCB  
 DRAWN - BCB  
 CHECKED - DPA  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 SUMMARY OF QUANTITIES

SCALE: 1"=50' SHEET 8 OF 16 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	11
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODES

FEDERAL TCSP 80/20			NON-PARTICIPATORY		
(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043)	
				SEWER	WATER MAIN

SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER	(0043) WATER MAIN
	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1				
	89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1		1				
	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1		1				
	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	912		912				
	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	6,137		6,137				
	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1				
	89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1				
	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2		2				
*	A2004824	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	6			6			
*	A2005024	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 3" CALIPER, BALLED AND BURLAPPED	EACH	2			2			
*	A2007632	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 4" CALIPER, BALLED AND BURLAPPED	EACH	4			4			
*	A2008453	TREE, ULMUS ACCOLADE (HYBRID ELM), 3" CALIPER, BALLED AND BURLAPPED	EACH	1			1			
*	A2008748	TREE, ULMUS X FRONTIER (FRONTIER ELM), 3" CALIPER, BALLED AND BURLAPPED, MATCHING HEADS	EACH	6			6			
*	C2C01024	SHRUB, BUXUS MICROPHYLLA WINTERGREEN (WINTERGREEN LITTLELEAF BOXWOOD), 2' HEIGHT, CONTAINER	EACH	9			9			

\* SPECIALTY ITEM

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USER NAME = BernardB	DESIGNED - BCB	REVISED -
PLOT SCALE = 50.0000' / 1" =	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES**

SCALE: 1"=50'      SHEET 9 OF 16 SHEETS      STA.      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	12
			CONTRACT NO. 61B99	
ILLINOIS FED. AID PROJECT				

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SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES				
					FEDERAL TCSP 80/20			NON-PARTICIPATORY	
					(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER
*	K0012970	PERENNIAL PLANTS, BULB TYPE	UNIT	1			1		
*	K0012980	PERENNIAL PLANTS, ORNAMENTAL TYPE, QUART POT	UNIT	1			1		
*	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	1			1		
*	K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1			1		
*	X0300635	PLANTER	EACH	8			8		
*	X0320374	PLUG EXISTING SANITARY SEWERS	EACH	4				4	
	X0323389	STORM SEWER CONNECTION	EACH	2				2	
*	X0323524	REMOVE EXISTING SURVEILLANCE CAMERA EQUIPMENT	EACH	1				1	
	X0324058	OUTLET SPECIAL	EACH	19		19			
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	145		145			
*	X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	257		257			
*	X0324788	GRANITE PAVERS	SQ FT	349			349		
*	X0325014	WATER SERVICE INSTALLATION 2"	EACH	2			1		1
*	X0325072	MODIFY EXISTING CONTROLLER CABINET TYPE A	EACH	1		1			

\* SPECIALTY ITEM



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DRAWN - BCB	CHECKED - DPA	REVISED -
PLOT SCALE = 50,0000' / 1"	DATE - 9/3/2015	REVISED -
PLOT DATE = 9/3/2015		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES

SCALE: 1"=50' SHEET 10 OF 16 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	13
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODES

FEDERAL TCSP 80/20			NON-PARTICIPATORY		
(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043)	
				SEWER	WATER MAIN

SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER	(0043) WATER MAIN
	X0325103	WATER METER IN VAULT, 2 INCH	EACH	1			1			
	X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	11		11				
	X0326661	CURED-IN-PLACE PIPE LINER, 21"	FOOT	508					508	
	X0326862	STRUCTURES TO BE ADJUSTED	EACH	7					7	
	X0327576	TEMPORARY PATCHING	SQ YD	590					228	362
	X0327577	PROTECT AND MAINTAIN EXISTING UNDERPASS LUMINAIRE	LSUM	1		1				
	X0327614	COMBINED SEWER REMOVAL 12"	FOOT	75					75	
	X0540000	BRICK PAVERS	SQ FT	17,239	15,828			1,411		
	X1400012	REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	FOOT	250		250				
	X2010505	CLEARING, SPECIAL	L SUM	1	1					
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1					
	X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	590					228	362
	X5610748	WATER MAIN LINE STOP 8"	EACH	1						1
	X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	1						1

\* SPECIALTY ITEM

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USER NAME = BernardB	DESIGNED - BCB	REVISED -
	DRAWN - BCB	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED - DPA	REVISED -
PLOT DATE = 9/3/2015	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES**

SCALE: 1"=50'    SHEET 11 OF 16 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	14
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

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SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES					
					FEDERAL TCSP 80/20			NON-PARTICIPATORY		
					(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER WATER MAIN	
•	X5640150	FIRE HYDRANT ASSEMBLY COMPLETE	EACH	2						2
•	X6020084	MANHOLE, SPECIAL	EACH	1					1	
•	X6020399	CONNECTION TO EXISTING MANHOLE	EACH	1					1	
•	X6026622	VALVE VAULTS TO BE REMOVED	EACH	1						1
•	X6026623	VALVE BOX	EACH	3						3
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1				
•	X8410151	TEMPORARY LIGHTING SYSTEM, LOCATION 1	LSUM	1		1				
•	X8410152	TEMPORARY LIGHTING SYSTEM, LOCATION 2	LSUM	1		1				
	Z0003850	BENCHES	EACH	12			12			
	Z0003855	BICYCLE RACKS	EACH	60			60			
	Z0004002	BOLLARDS	EACH	1		1				
	Z0007120	WELDED WIRE FABRIC 6X6	SQ YD	967			810	157		
•	Z0007420	SIDEWALK REPAIR (SPECIAL)	SQ FT	96			96			
	Z0012455	CONCRETE STEP REMOVAL	EACH	1			1			

• SPECIALTY ITEM



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	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS**  
**SUMMARY OF QUANTITIES**  
 SCALE: 1"=50'    SHEET 12 OF 16 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	15
CONTRACT NO. 61B99				
[ILLINOIS] FED. AID PROJECT				

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 500 13

SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES					
					FEDERAL TCSP 80/20			NON-PARTICIPATORY		
					(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER	(0043) WATER MAIN
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	.15	.20	.20	.05	.20	.20
	Z0016702	DETOUR SIGNING	L SUM	1		1				
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	2					2	
	Z0018900	DRILL AND GROUT DOWEL BARS	EACH	123	123					
	Z0019600	DUST CONTROL WATERING	UNIT	10.0	10.0					
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	238	238					
	* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9		9				
	* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1		1				
	Z0036800	PARKING METERS TO BE MOVED	EACH	11				11		
	Z0036900	PARKING METERS TO BE REMOVED	EACH	13				13		
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1				
	Z0056604	STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH	FOOT	34					34	
	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	221					221	
	Z0056611	STORM SEWER (WATER MAIN REQUIREMENTS) 16 INCH	FOOT	30					30	

\* SPECIALTY ITEM



USER NAME = BernardB	DESIGNED - BCB	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS**  
**SUMMARY OF QUANTITIES**

SCALE: 1"=50'      SHEET 13 OF 16 SHEETS      STA.      TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	16
CONTRACT NO. 61B99			ILLINOIS FED. AID PROJECT	



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SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES					
					FEDERAL TCSP 80/20			NON-PARTICIPATORY		
					(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER WATER MAIN	
*	Z0059800	SANITARY SEWER, TYPE 2 12"	FOOT	6					6	
*	Z0061100	SANITARY SEWER, TYPE 3 12"	FOOT	19					19	
*	Z0061300	SANITARY SEWER, TYPE 3 18"	FOOT	40					40	
*	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1				
***	Z0076600	TRAINEES	HOUR	500	500					
***	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500					
*	XX000679	CUT AND CAP EXISTING WATER MAIN	EACH	1						1
	XX001532	PROJECT SIGN	EACH	1				1		
*	XX002918	TREE FRAME AND GRATES	EACH	14			14			
	XX002948	TEMPORARY ACCESS WALK	EACH	8		8				
*	XX003536	CONNECTION TO EXISTING WATER MAIN (NON PRESSURE)	EACH	1						1
	XX003689	BUS SHELTER	EACH	1		1				
	XX004602	BENCH WITH BACK	EACH	8			8			
	XX004853	TEMPORARY ACCESS (ALLEY)	EACH	1	1					

\* SPECIALTY ITEM      \*\*\* CONSTRUCTION CODE 0042



USER NAME = BernardB	DESIGNED - BCB	REVISED -
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	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS**  
**SUMMARY OF QUANTITIES**

SCALE: 1"=50'      SHEET 14 OF 16 SHEETS      STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	17
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

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SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODES				
					FEDERAL TCSP 80/20			NON-PARTICIPATORY	
					(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER WATER MAIN
	XX005735	PLANTER CURB	FOOT	74			74		
	• XX005908	PAVE-EDGE PAVER RETAINING SYSTEM	FOOT	378			378		
	XX005924	TEMPORARY RAMP REMOVAL	SQ YD	59		59			
	• XX006328	RPZ BACKFLOW PREVENTER 2"	EACH	1			1		
	• XX007217	PAVER BLOCKS, SPECIAL	SQ FT	5,740			5,740		
	• XX007468	PEDESTRIAN ST LIGHT	EACH	6		6			
	XX007857	TRASH RECEPTACLE, FURNISH & INSTALL	EACH	4			4		
	* XX007980	PLANTING SOIL, FURNISH AND PLACE 24"	SQ YD	44			44		
	• XX008187	SANITARY SEWER MANHOLE INTERIOR REHABILITATION	FOOT	72				72	
	* XX008195	EXPLORATION EXCAVATION (UTILITY)	FOOT	135		40		54	41
	XX008232	BICYCLE RACKS TO BE MOVED	EACH	5			5		
	XX008262	PORTLAND CEMENT CONCRETE PAD (SPECIAL)	SQ FT	721		138	583		
	XX008269	WAYFINDING SIGN	EACH	2			2		
	XX008277	PORTLAND CEMENT CONCRETE UNDERLAYMENT, 5"	SQ YD	587			587		

\* SPECIALTY ITEM



USER NAME = BernardB	DESIGNED - BCB	REVISED -
DRAWN - BCB	CHECKED - DPA	REVISED -
PLOT SCALE = 50.0000' / 1"	DATE - 9/3/2015	REVISED -
PLOT DATE = 9/3/2015		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES

SCALE: 1"=50' SHEET 15 OF 16 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	18
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODES

FEDERAL TCSP 80/20			NON-PARTICIPATORY		
(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER WATER MAIN	

SI	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	(0004) ROADWAY	(0021) SAFETY	(0031) LANDSCAPING	(0004) ROADWAY	(0043) SEWER	(0043) WATER MAIN
	XX008356	STRUCTURAL SOIL	CU YD	408			408			
	XX008686	BIKE SHELTER	EACH	2			2			
*	XX008839	WATER MAIN TO BE ABANDONED	L SUM	1						1
	XX009048	CURB AND GUTTER (SPECIAL)	FOOT	144.0	144.0					
	XX009050	REMOVE PAY STATION	EACH	1				1		

\* SPECIALTY ITEM

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**TERRA ENGINEERING LTD.**

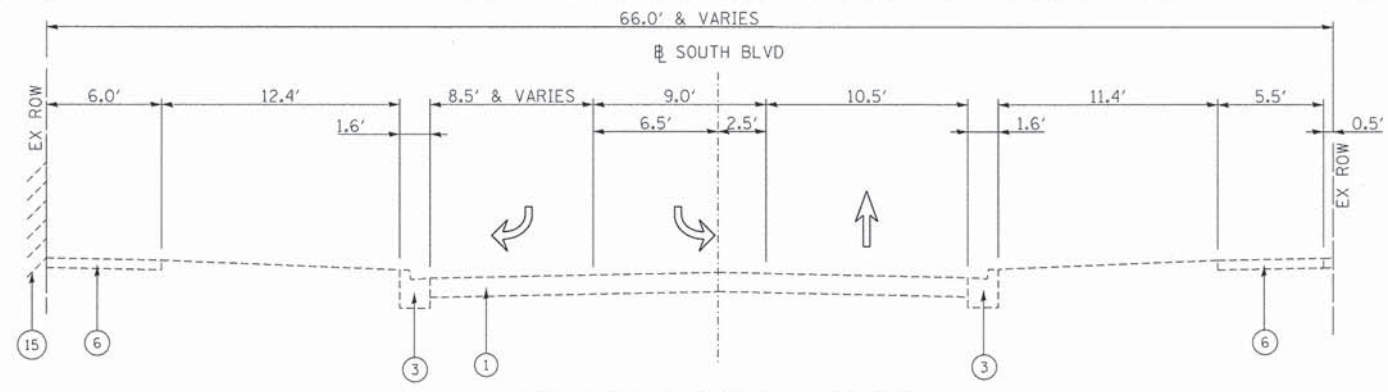
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PLOT SCALE = 50.0000' / in.	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SUMMARY OF QUANTITIES**

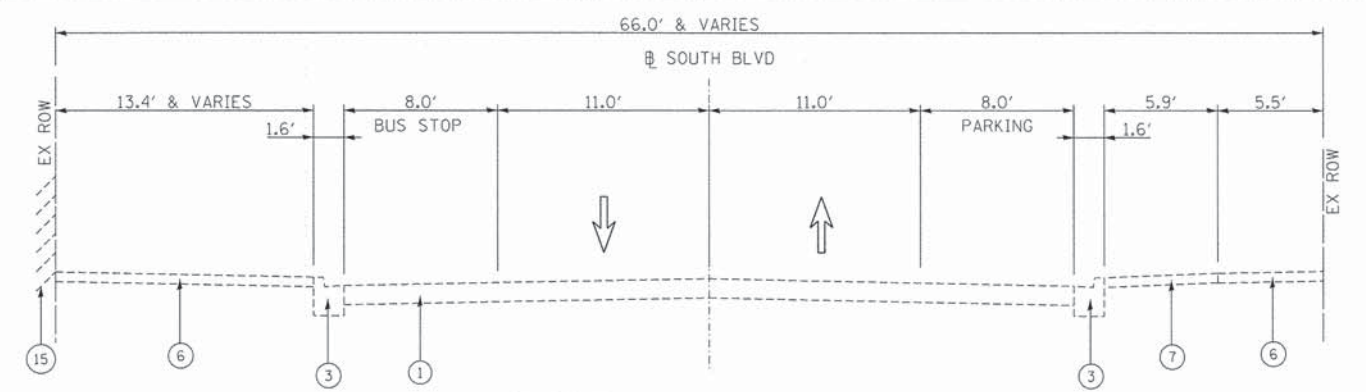
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	13-00256-00-PV	COOK	107	19
			CONTRACT NO. 61B99	
	ILLINOIS FED. AID PROJECT			

SCALE: 1"=50'    SHEET 16 OF 16 SHEETS    STA.    TO STA.



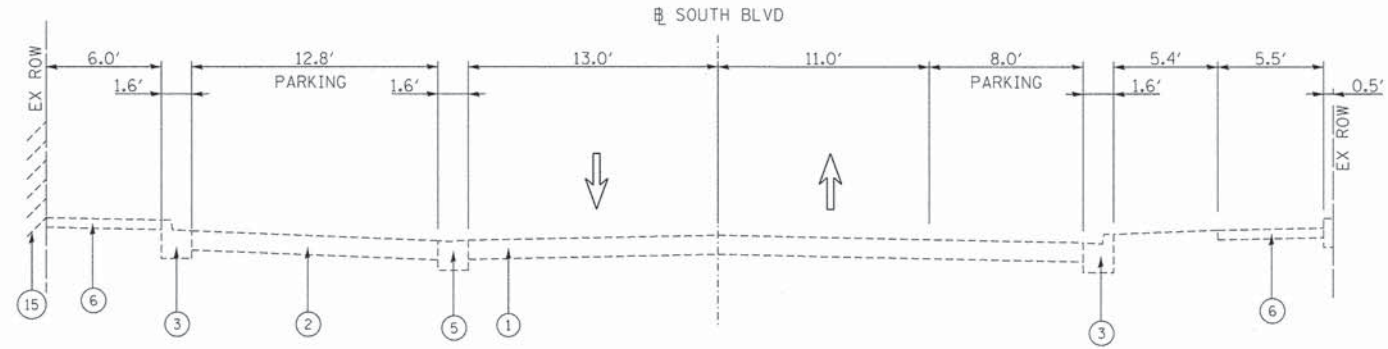
EXISTING SOUTH BLVD

STA. 45+23 TO 46+96



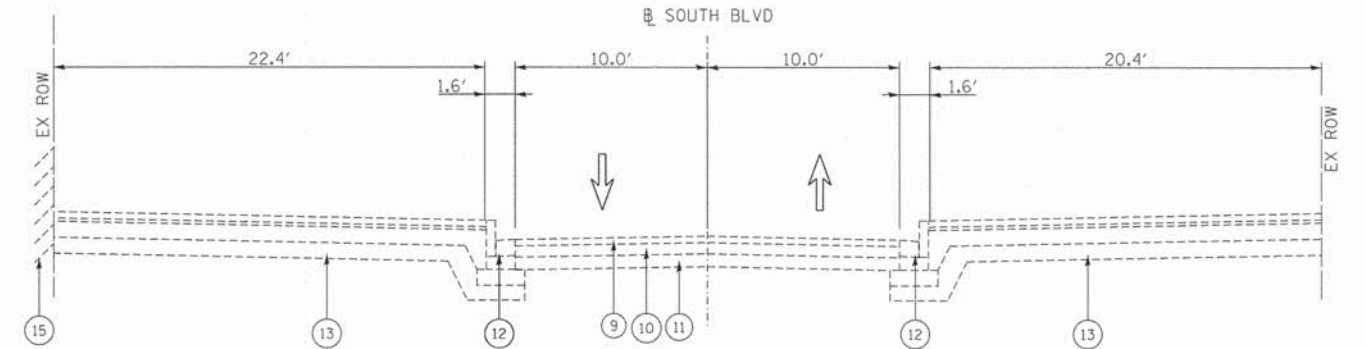
EXISTING SOUTH BLVD

STA. 49+45 TO 50+76 LT / 50+63 RT



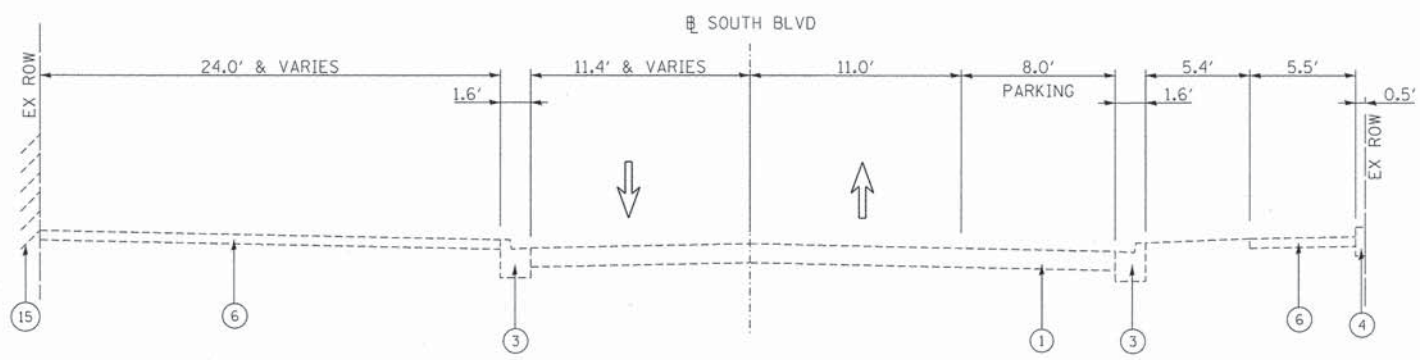
EXISTING SOUTH BLVD

STA. 46+96 TO 48+97



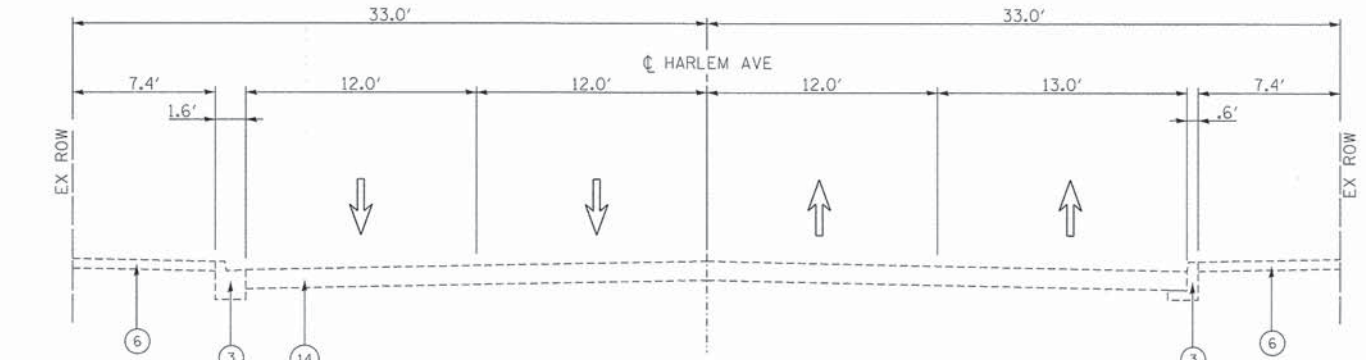
EXISTING SOUTH BLVD

STA. 50+76 LT / 50+63 RT TO 51+23



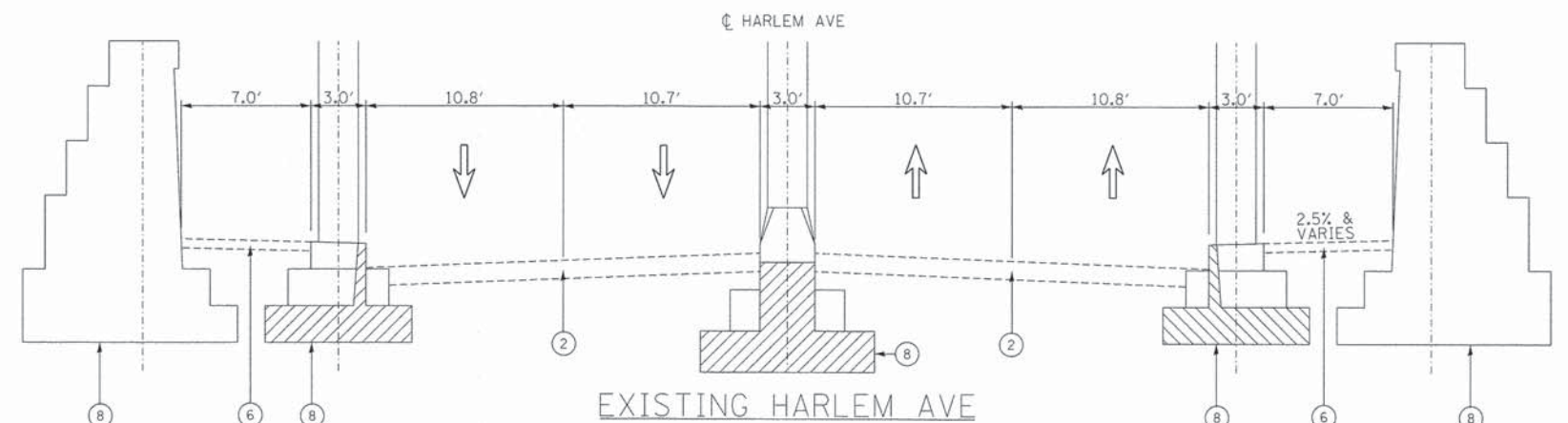
EXISTING SOUTH BLVD

STA. 48+97 TO 49+45



EXISTING HARLEM AVE

SOUTH OF SOUTH BLVD



EXISTING HARLEM AVE

NORTH OF SOUTH BLVD THROUGH RAILROAD STRUCTURE

EXISTING LEGEND

- ① 3" HMA PAVEMENT, 4"-9" AGGREGATE BASE COURSE
- ② PCC PAVEMENT
- ③ PCC CURB & GUTTER
- ④ PCC CURB
- ⑤ PCC GUTTER
- ⑥ PCC SIDEWALK
- ⑦ SIDEWALK PAVERS
- ⑧ CONCRETE BASE FOR BRIDGE PIERS
- ⑨ HOT-MIX ASPHALT, 4"
- ⑩ REINFORCED PCC BASE COURSE, 7"
- ⑪ AGGREGATE SUB-BASE COURSE, 6"
- ⑫ GRANITE CURB AND GUTTER W/VARIABLE CURB
- ⑬ 18"X30"X12" THERMAL CUT BLUESTONE TYP. 1" SAND SETTING BED REINFORCED CONCRETE BASE, MIN 5" THICK TYP. COMPACTED BASE CA-7, MIN 5"
- ⑭ FULL DEPTH HMA PAVEMENT
- ⑮ EXISTING UPRR PILE-SUPPORTED RETAINING WALL



USER NAME = BernardB	DESIGNED - BCB	REVISED -
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	DATE - 9/3/2015	REVISED -

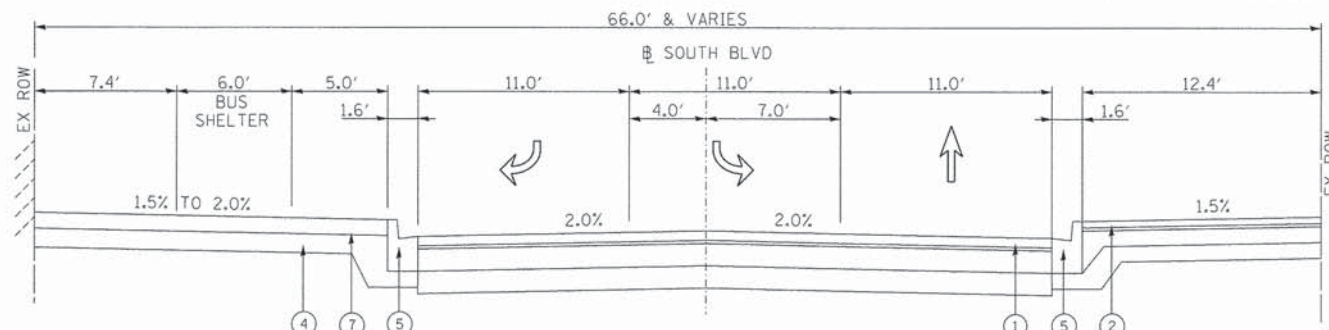
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOUTH BOULEVARD  
EXISTING TYPICAL SECTION

SCALE: 1"=5' SHEET 1 OF 2 SHEETS STA. TO STA.

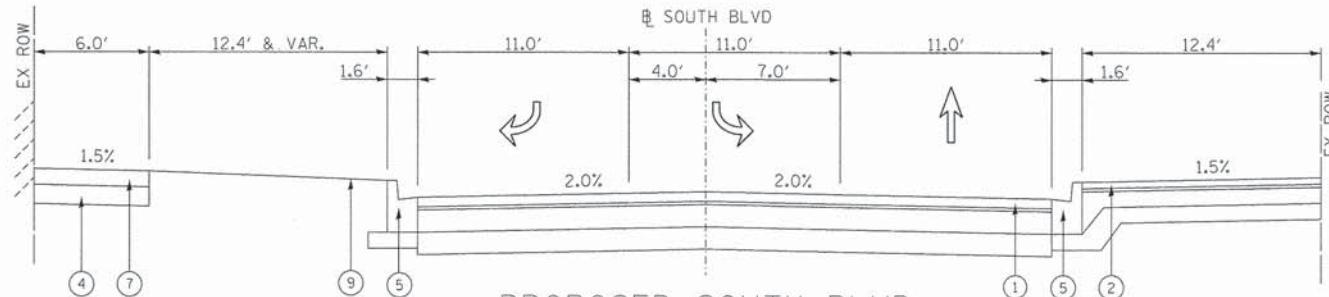
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	20
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

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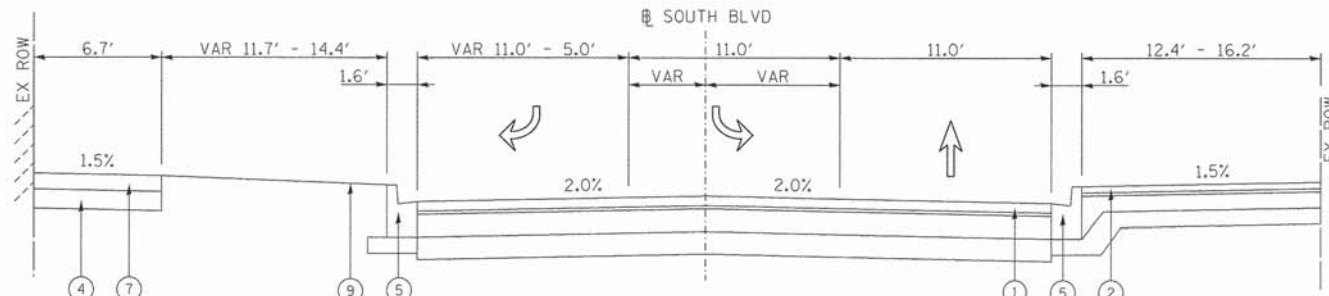
PROPOSED SOUTH BLVD

STA. 45+23 TO 45+76



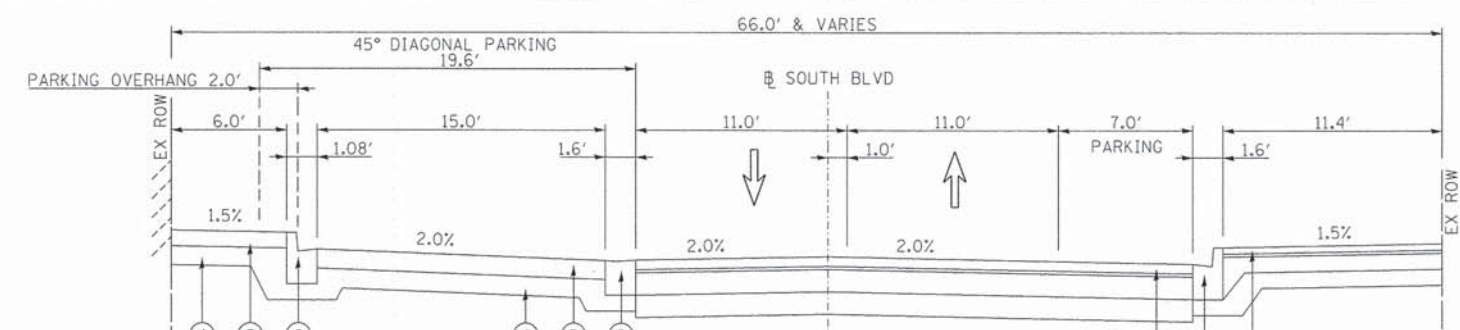
PROPOSED SOUTH BLVD

STA. 45+76 TO 46+30



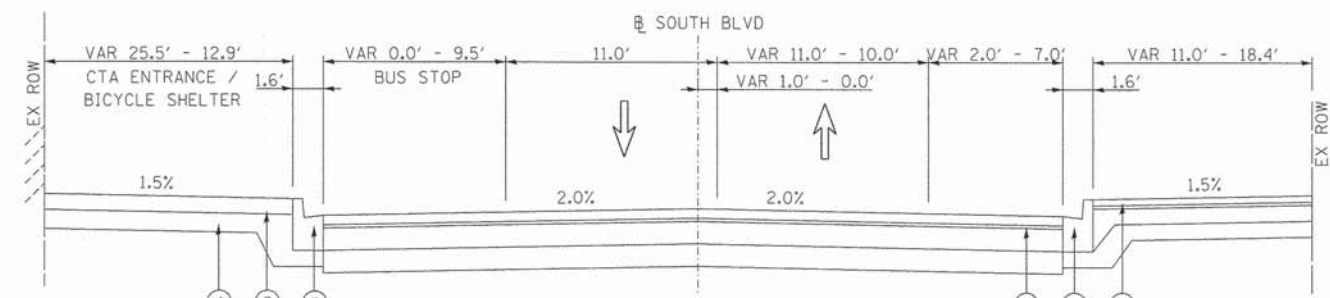
PROPOSED SOUTH BLVD

STA. 46+30 TO 46+87



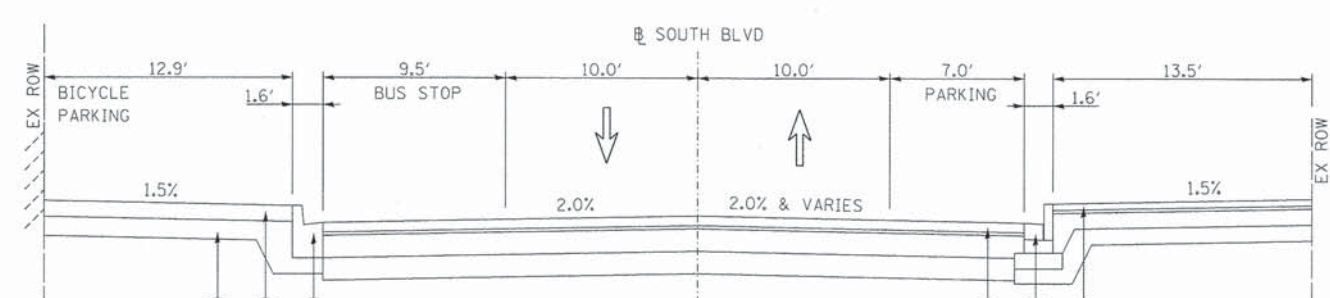
PROPOSED SOUTH BLVD

STA. 47+81 TO 48+55



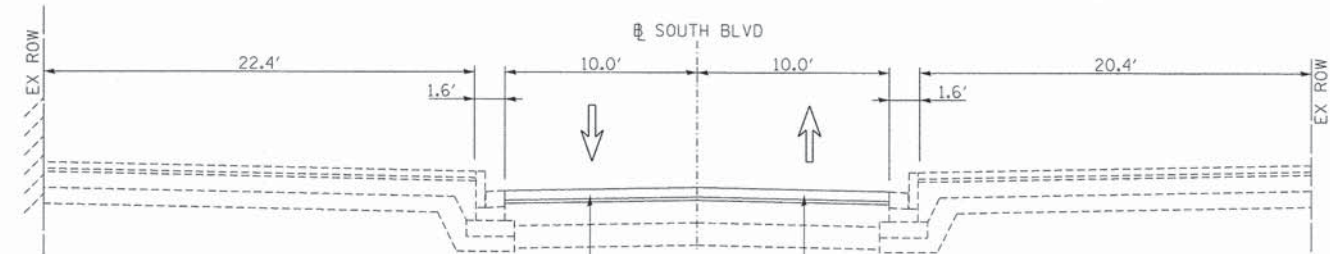
PROPOSED SOUTH BLVD

STA. 48+55 TO 49+78



PROPOSED SOUTH BLVD

STA. 49+78 TO 50+76 (LT) / 50+72 (RT)



PROPOSED SOUTH BLVD

STA. 50+76 LT / 50+72 RT TO 51+23

HOT-MIX ASPHALT REQUIREMENTS

APPLICATION	MIXTURE TYPE	AIR VOIDS @ NDES
TEMPORARY RAMP	HMA BINDER COURSE, IL 19.0, N70	4% @ 70 GYR
ALLEY	2" HMA SURFACE COURSE, MIX D, N70 (IL 9.5 mm)	4% @ 70 GYR
	8" HMA BINDER COURSE, IL 19.0, N70	4% @ 70 GYR

HMA NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SOYD/IN.
2. FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.

NOTE:

SEE LANDSCAPING HARDSCAPE DETAILS FOR ADDITIONAL INFORMATION

PROPOSED LEGEND

- ① BRICK PAVERS, 3"  
SAND SETTING BED, 1"  
HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE 7"  
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ② PAVER BLOCKS, SPECIAL  
SAND SETTING BED, 1"  
FILTER FABRIC OVER CONCRETE BASE  
P.C.C. UNDERLAYMENT, 5"  
SUBBASE GRANULAR MATERIAL, TYPE B (5")  
PORTLAND CEMENT CONCRETE PAVEMENT 8"
- ④ SUB-BASE GRANULAR MATERIAL, TYPE B (6")
- ⑤ COMBINATION CONCRETE CURB AND GUTTER B-6.12
- ⑥ B-6.06 CURB & GUTTER
- ⑦ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑧ CURB AND GUTTER (SPECIAL)  
SUBBASE GRANULAR MATERIAL, TYPE C
- ⑨ SODDING, SALT TOLERANT
- ⑩ BRICK PAVERS, 3"  
SAND SETTING BED, 1"

M:\SOUTH BLVD OakPark\_TCSP\_13-227A\DESIGN\CIVIL\CADD Sheets\IMPORTED FILES FROM PROJECT\ISE\0115227-ht-typical2.dgn



USER NAME = BernardB	DESIGNED - BCB	REVISED -
PLOT SCALE = 5.0000' / 1"	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOUTH BOULEVARD  
PROPOSED TYPICAL SECTIONS

SCALE: 1"=5' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	21
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

STA	TO	STA	LENGTH FT	EARTH EXCAVATION CU YD	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE CU YD	EMBANKMENT CU YD	FURNISH EXCAVATION CU YD
SOUTH BLVD							
45+13	TO	45+23	10	31.00	26.35	0.00	-26.35
45+23	TO	45+50	27	109.19	92.81	0.00	-92.81
45+50	TO	45+76	26	87.25	74.16	0.05	-74.12
45+76	TO	46+00	24	69.36	58.95	0.09	-58.87
46+00	TO	46+30	30	84.17	71.54	0.17	-71.38
46+30	TO	46+50	20	47.41	40.30	0.37	-39.93
46+50	TO	47+00	13	22.20	18.87	0.99	-17.88
47+00	TO	47+16	16	21.20	18.02	3.75	-14.27
47+16	TO	47+26	10	13.39	11.38	2.64	-8.74
47+26	TO	47+50	24	26.23	22.30	8.06	-14.24
47+50	TO	47+81	31	31.96	27.17	8.70	-18.47
47+81	TO	48+00	19	21.28	18.09	0.87	-17.21
48+00	TO	48+38	38	44.59	37.90	2.19	-35.71
48+38	TO	48+50	12	14.30	12.15	2.39	-9.76
48+50	TO	49+00	50	64.72	55.01	13.24	-41.77
49+00	TO	49+38	38	67.50	57.38	3.66	-53.72
49+38	TO	49+50	12	27.53	23.40	0.31	-23.09
49+50	TO	49+53	3	7.77	6.60	0.14	-6.46
49+53	TO	49+75	22	59.69	50.73	0.98	-49.76
49+75	TO	50+00	25	70.40	59.84	0.69	-59.15
50+00	TO	50+07	7	20.17	17.15	0.11	-17.04
50+07	TO	50+50	43	104.55	88.87	0.63	-88.24
50+50	TO	50+65	15	33.11	28.14	0.11	-28.03
50+65	TO	50+75	10	17.28	14.69	0.00	-14.69
50+75	TO	50+85	10	0.00	0.00	0.00	0.00
50+85	TO	51+00	15	0.00	0.00	0.00	0.00
51+00	TO	51+23	23	0.00	0.00	0.00	0.00
GRAND TOTALS			610	1172.93	996.99	51.44	-945.55

NOTES:

1. A SHRINKAGE FACTOR OF 15% WAS USED FOR CALCULATIONS.
2. THE USE OF EXCAVATED SOILS FROM EMBANKMENTS GRADING OPERATIONS IS DEPENDENT UPON PSI RESTRICTIONS DETAILED IN THE NON-SPECIAL WASTE DISPOSAL SPECIAL PROVISION.
3. EARTH EXCAVATION QUANTITY INCLUDES TOPSOIL REMOVAL WHERE PRESENT.

RELOCATE SIGN PANEL  
ASSEMBLY - TYPE A

ALIGNMENT: SOUTH BLVD				QUANTITY (EACH)	TELESCOPING STEEL SIGN SUPPORT (FOOT)
STA	LT/RT	TO	STA	LT/RT	
45+50	19' LT	TO	45+45	19' LT	13'
59+59	24' LT	TO	49+66	24' LT	13'
50+55	24' LT	TO	50+55	24' LT	12'
TOTAL:				3	38'

RELOCATE SIGN  
PANEL-TYPE 1

ALIGNMENT: SOUTH BLVD				LENGTH (IN)	WIDTH (IN)	QUANTITY (SQ FT)
STA	LT/RT	TO	STA	LT/RT		
46+89	17' RT	TO	47+01	23' RT	24	18
48+27	23' RT	TO	48+53	24' RT	18	12
48+65	34' LT	TO	48+20	34' LT	18	12
50+00	24' RT	TO	49+79	20' RT	18	12
50+36	23' RT	TO	50+64	22' RT	18	12
TOTAL:						9.0

REMOVE SIGN  
PANEL-TYPE 1

ALIGNMENT: SOUTH BLVD		LENGTH (IN)	WIDTH (IN)	QUANTITY (SQ FT)
STA	LT/RT			
45+59	24' RT	24	12	2.0
46+38	20' RT	18	12	1.5
47+67	24' RT	24	18	3.0
49+59	22' RT	24	12	6.5
TOTAL:				13.0

REMOVE SIGN PANEL  
ASSEMBLY - TYPE A

ALIGNMENT: SOUTH BLVD		LENGTH (IN)	WIDTH (IN)	AREA (SQ FT)	QUANTITY (EACH)
STA	LT/RT				
46+03	18' RT	24	24	4.0	1
46+42	27' RT	18 & 18Ø	12 - (x2)	6.6	1
46+43	17' RT	48	24	8.0	1
46+43	22' RT	36	18 - (x2)	9.0	1
49+59	22' RT	24 & 18	12 & 12	3.5	1
49+80	21' RT	24	12	2.0	1
TOTAL:					6

SIGN PANEL-TYPE 1

ALIGNMENT: SOUTH BLVD		LENGTH (IN)	WIDTH (IN)	QUANTITY (SQ FT)	MOUNT	TELESCOPING STEEL SIGN SUPPORT (FOOT)
STA	LT/RT					
45+51	23' RT	24	24	4.0	LIGHT POLE	N/A
46+76	35' LT	18	12	1.5	WALL	N/A
46+88	35' LT	18	12	1.5	WALL	N/A
47+01	35' LT	18	12	1.5	WALL	N/A
47+13	35' LT	18	12	1.5	WALL	N/A
47+26	35' LT	18	12	1.5	WALL	N/A
48+98	17' RT	24	24	4.0	POST	SEE BELOW
48+98	17' RT	21	15	2.2	POST	15'
49+23	13' LT	24	24	4.0	POST	SEE BELOW
49+23	13' LT	21	15	2.2	POST	15'
TOTAL:				23.90		30'

WAY-FINDING SIGN

ALIGNMENT: SOUTH BLVD		LENGTH (IN)	WIDTH (IN)	AREA (SQ FT)	QUANTITY (EACH)
STA	LT/RT				
49+08	24' RT	TO	49+08	24' RT	48
49+32	17' LT	TO	49+32	17' LT	24
TOTAL:					2

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USER NAME = BernardB  
 PLOT SCALE = 2500.0000' / in.  
 PLOT DATE = 9/3/2015

DESIGNED - BCB  
 DRAWN - BCB  
 CHECKED - DPA  
 DATE - 9/3/2015

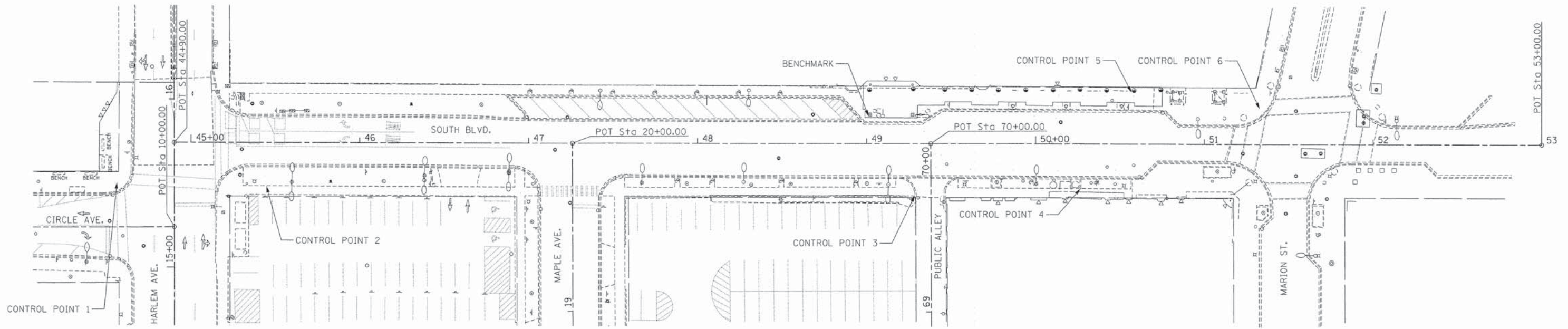
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 SCHEDULE OF QUANTITIES

SCALE: 1"=2500' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	22
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



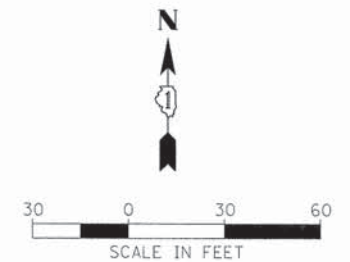
ALIGNMENT COORDINATES - SOUTH BOULEVARD

	STATION	NORTHING	EASTING
POT	44+90.00	1,901,746.62	1,128,120.47
POT	53+00.00	1,901,770.23	1,128,930.13

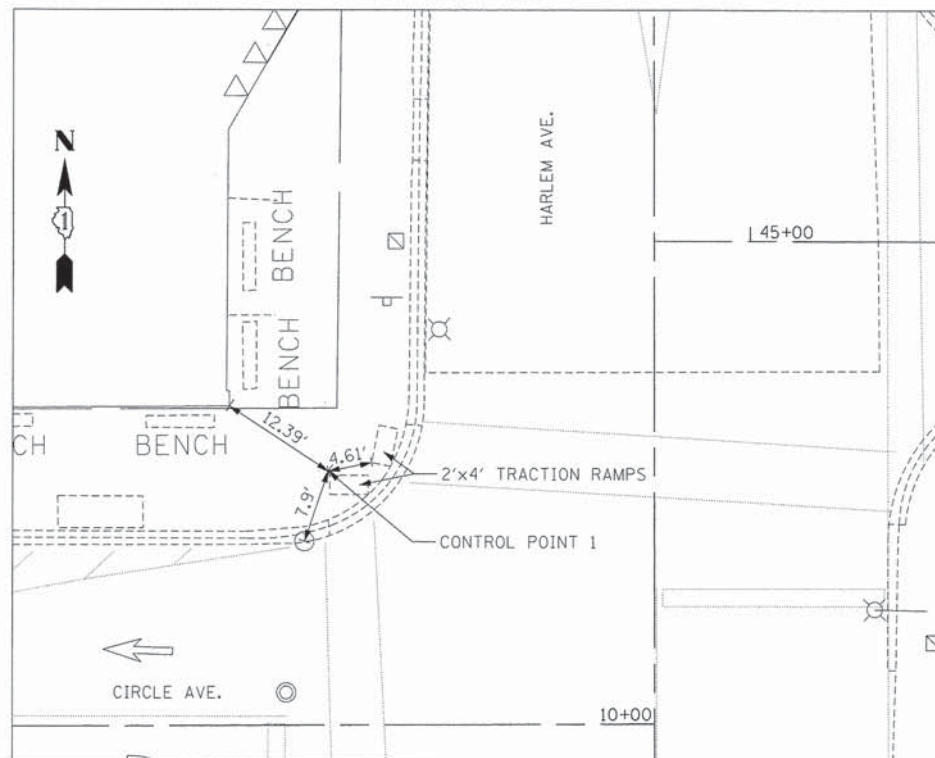
BENCHMARK (SOUTH BOULEVARD)

SOUTHWEST CORNER OF CONCRETE BASE OF SOUTHWEST COLUMN FOR OVERHANG AT THE ENTRANCE TO THE CTA/METRA STATION ON THE NORTH SIDE OF SOUTH BOULEVARD 2.15 FEET ABOVE THE SIDEWALK EL=52.23

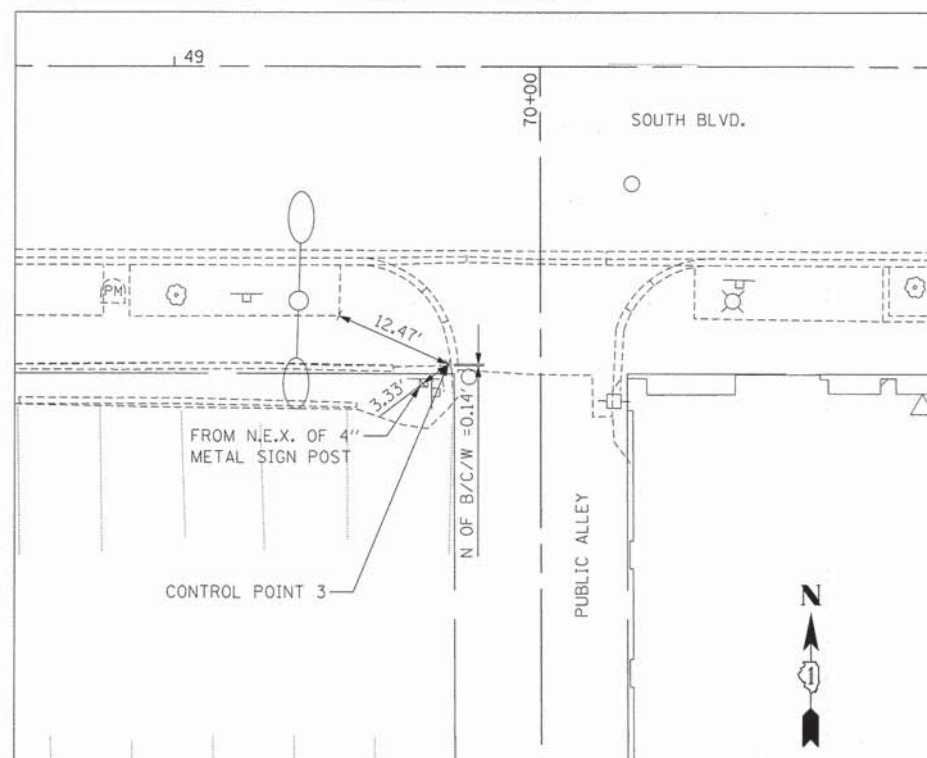
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1,901,721.54	1,128,087.29	49.54	"X" IN CONCRETE WALK
2	1,901,722.05	1,128,176.04	49.61	
3	1,901,728.41	1,128,559.75	50.04	"X" IN CONCRETE WALK
4	1,901,735.45	1,128,657.56	50.24	
5	1,901,793.83	1,128,686.11	50.10	
6	1,901,786.61	1,128,762.23	48.73	"X" IN CONCRETE WALK



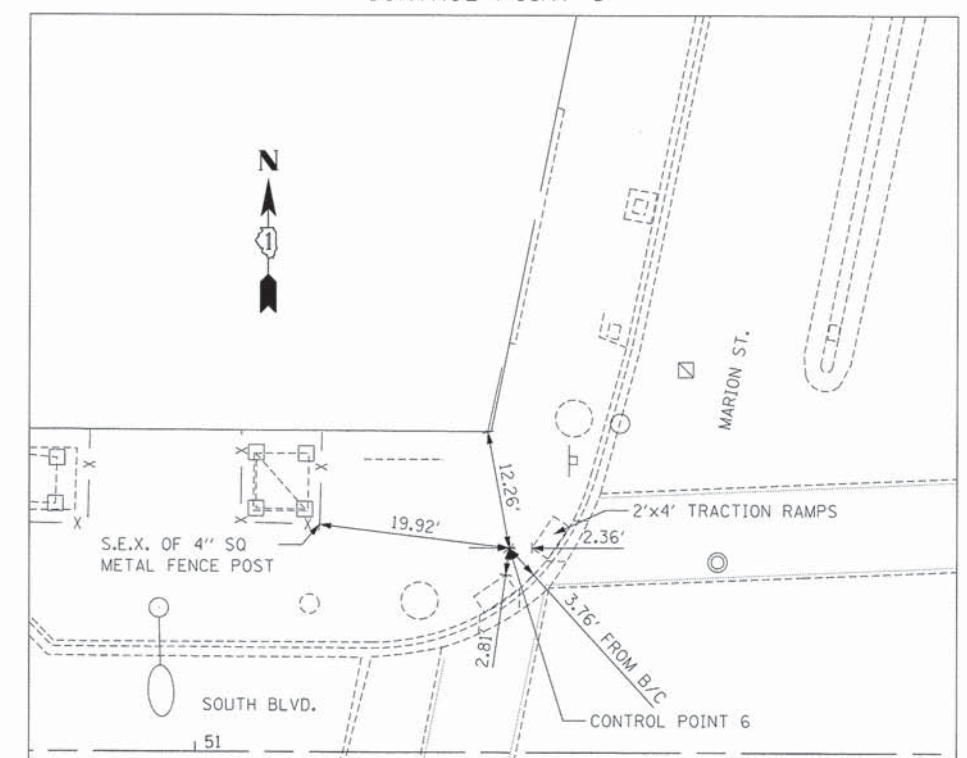
CONTROL POINT 1



CONTROL POINT 3



CONTROL POINT 6



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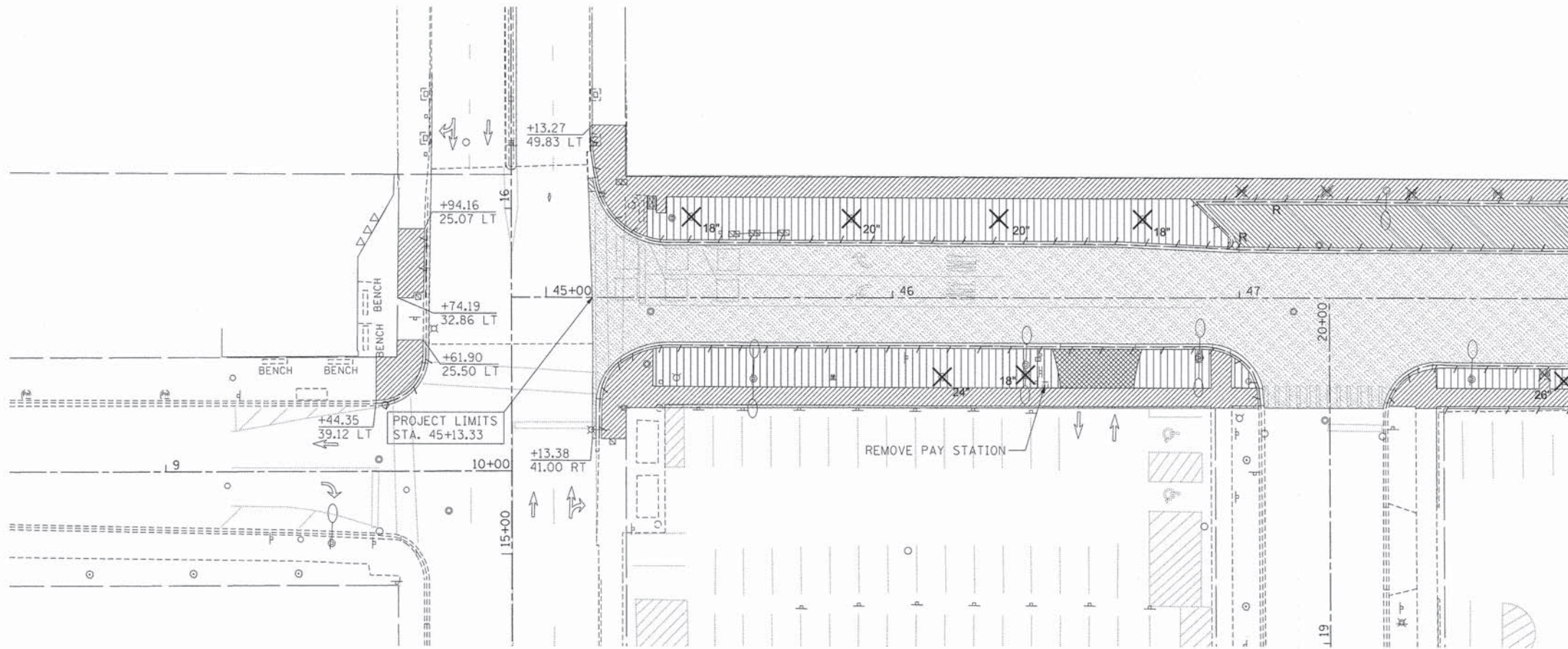
USER NAME = BernardB	DESIGNED - BCB	REVISED -
PLOT SCALE = 30,0000' / 1"	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
ALIGNMENT, TIES AND BENCHMARK

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

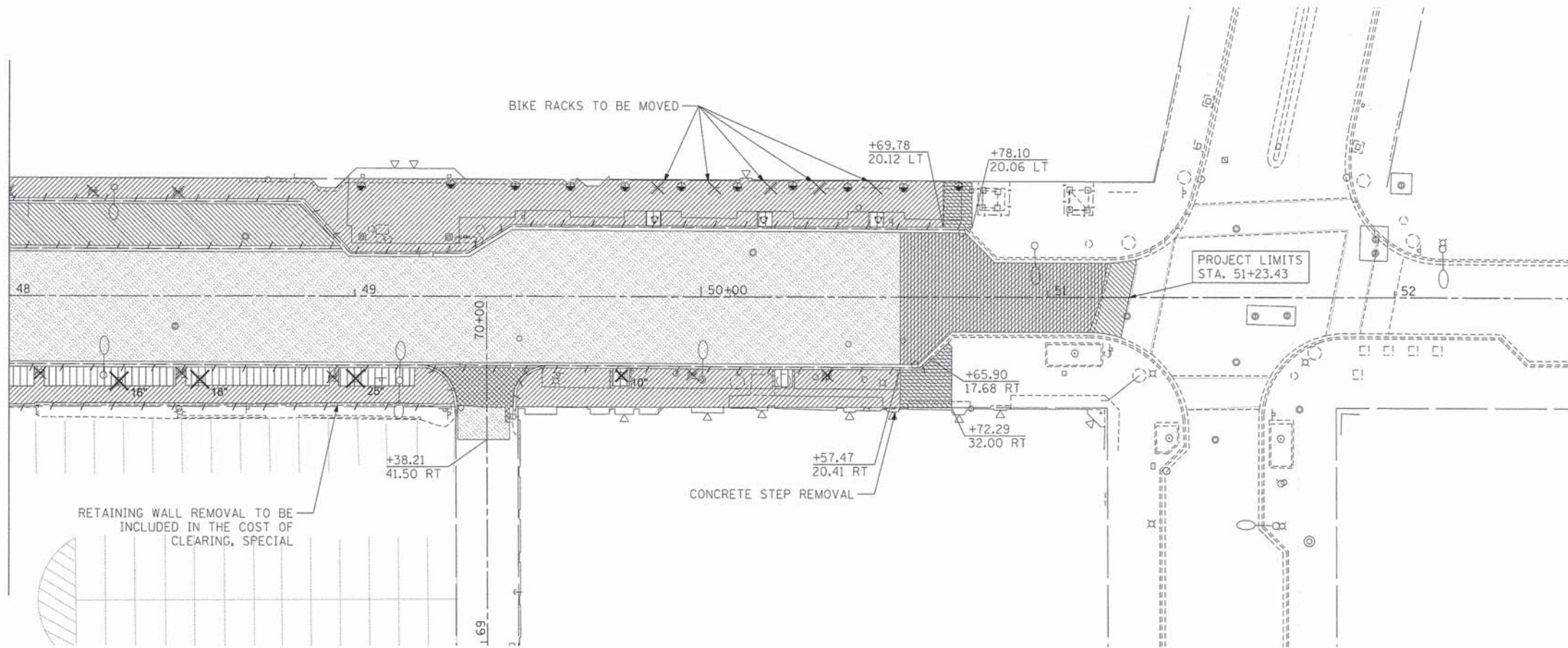
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	23
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 48+00

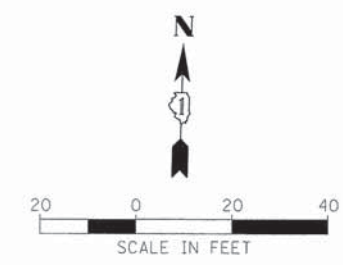
**DEMOLITION LEGEND**

	SIDEWALK REMOVAL
	REMOVE AND REINSTALL PAVER BLOCKS (REMOVE SIDEWALK BENEATH PAVER BLOCKS)
	DRIVEWAY OR ALLEY PAVEMENT REMOVAL (PAID FOR AS DRIVEWAY PAVEMENT REMOVAL)
	PAVEMENT REMOVAL (CONCRETE)
	HMA SURFACE REMOVAL, 4"
	PAVEMENT REMOVAL (HOT-MIX ASPHALT & AGG. BASE)
	CLEARING, SPECIAL
	RETAINING WALL REMOVAL (PAID FOR AS CLEARING, SPECIAL)
	CATCH BASIN REMOVAL
	TREE REMOVAL (WITH SIZE)
	PARKING METER REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL



MATCHLINE STA. 48+00

- NOTES:**
1. SEE UTILITY PLANS FOR UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS
  2. SEE LIGHTING PLANS FOR STREET LIGHTING REMOVALS
  3. SEE PAVEMENT MARKING AND SIGNING PLAN FOR SIGN REMOVAL
  4. SEE TRAFFIC SIGNAL PLANS FOR SIGNAL RELATED REMOVALS



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USER NAME = BernardB	DESIGNED - BCB	REVISED -
PLOT SCALE = 20,000 ' / in.	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**






**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
DEMOLITION PLAN**

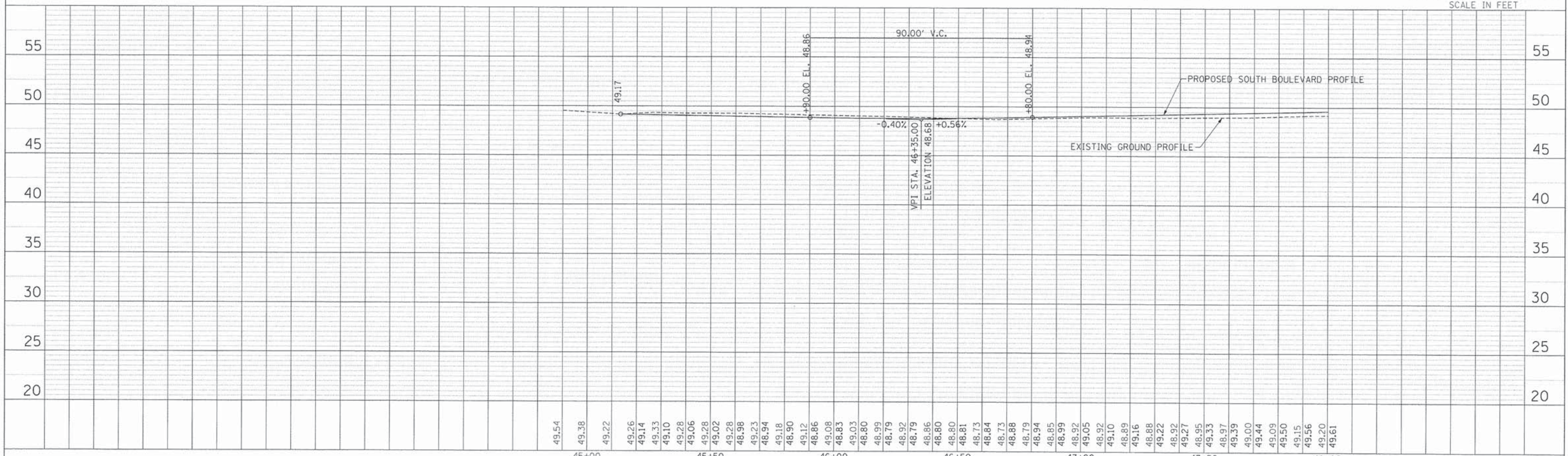
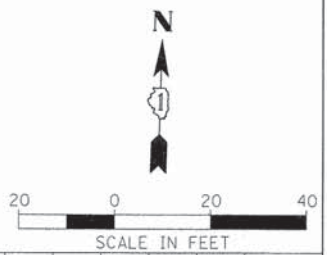
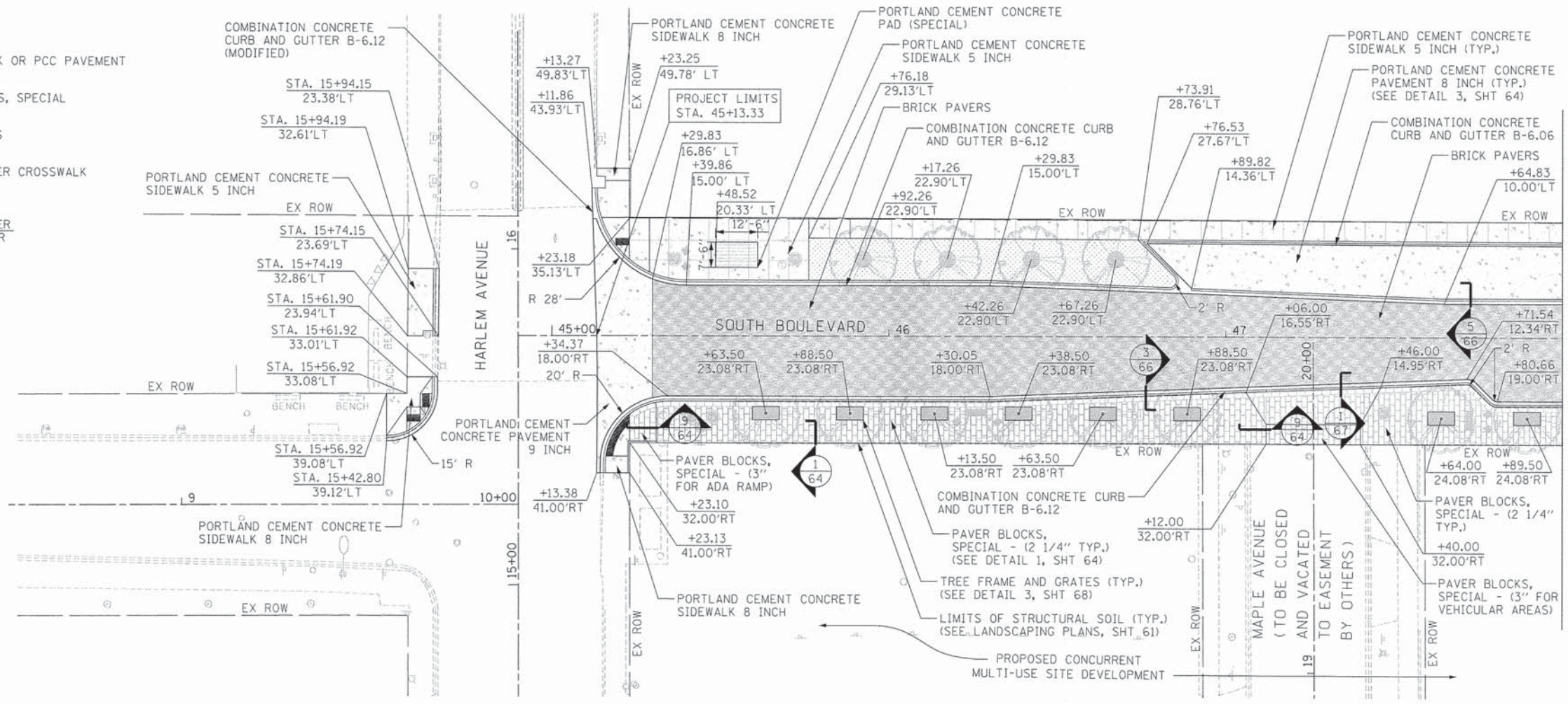
SCALE: 1"=20'    SHEET 1    OF 1    SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	24
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  PCC SIDEWALK OR PCC PAVEMENT
-  PAVER BLOCKS, SPECIAL
-  BRICK PAVERS
-  GRANITE PAVER CROSSWALK
-  DETAIL NUMBER SHEET NUMBER

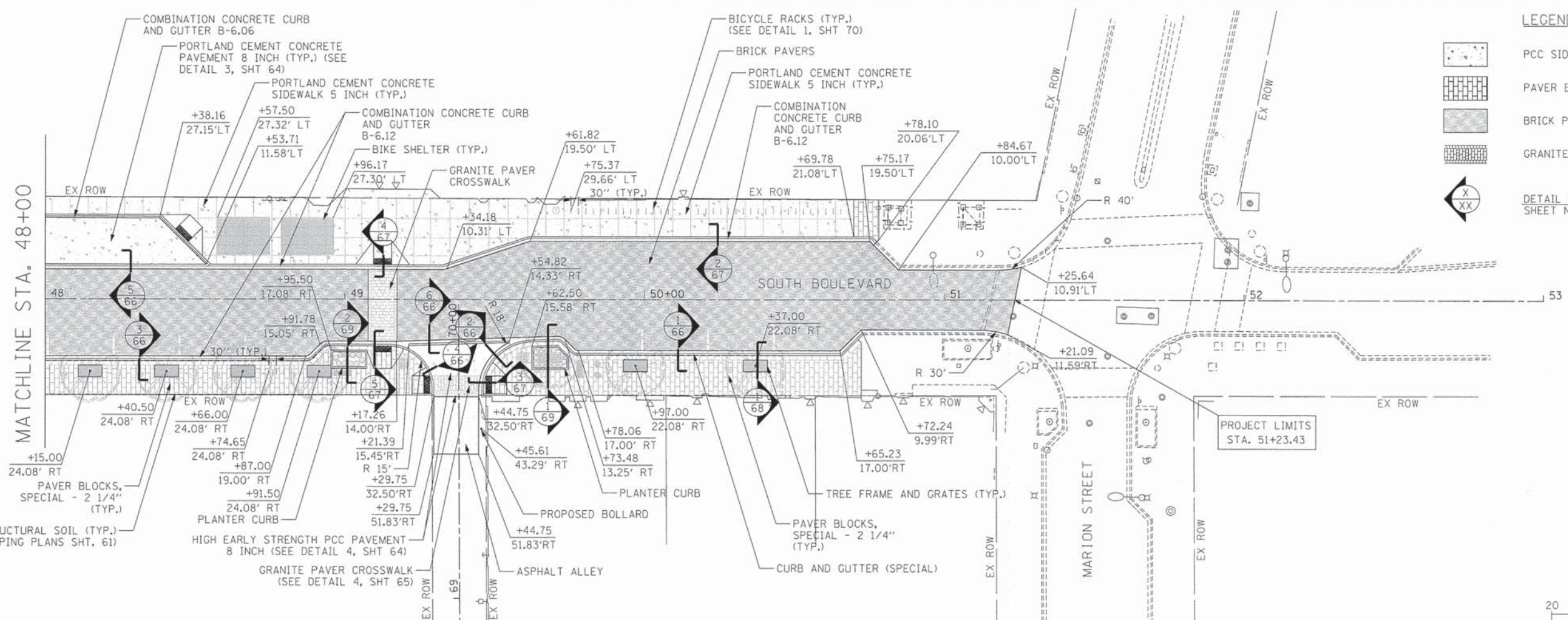


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	USER NAME = BernardB	DESIGNED - BCB	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS</b> <b>DESIGN PLAN AND PROFILE</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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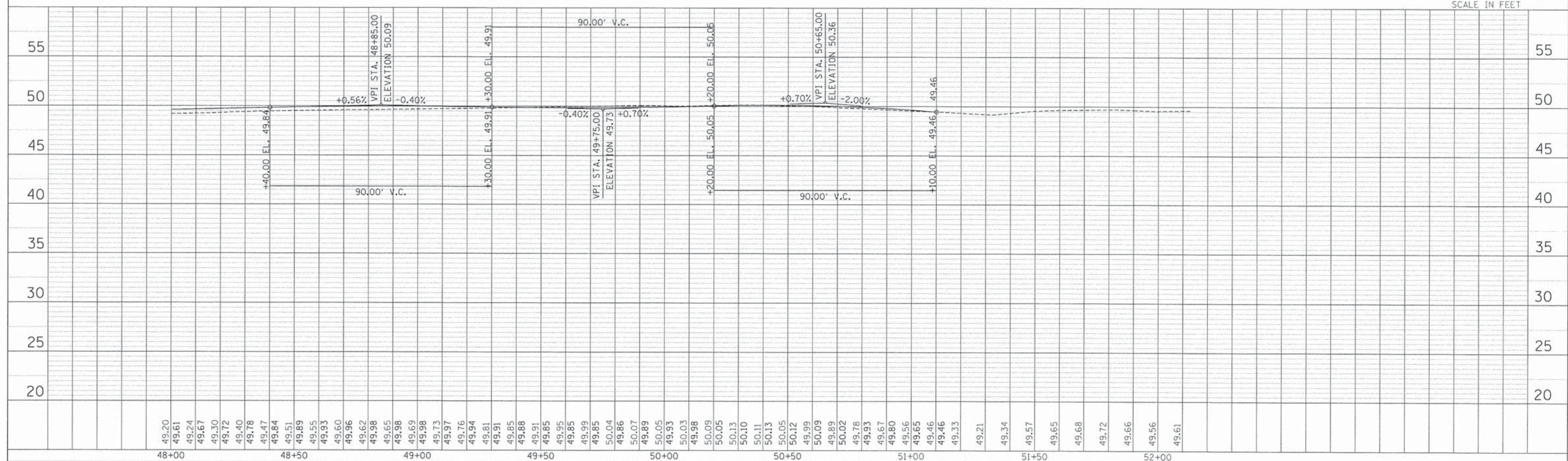
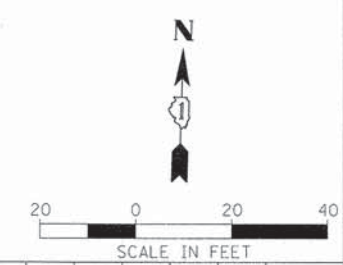
SCALE: 1"=20'    SHEET 1 OF 2 SHEETS    STA. BEGIN TO STA. 48+00

ILLINOIS FED. AID PROJECT



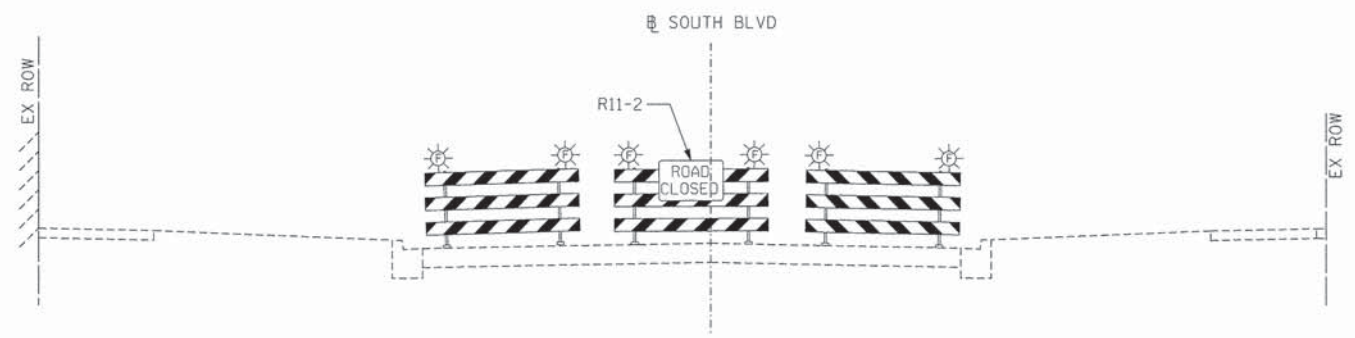
**LEGEND**

- PCC SIDEWALK OR PCC PAVEMENT
- PAVER BLOCKS, SPECIAL
- BRICK PAVERS
- GRANITE PAVER CROSSWALK
- DETAIL NUMBER SHEET NUMBER

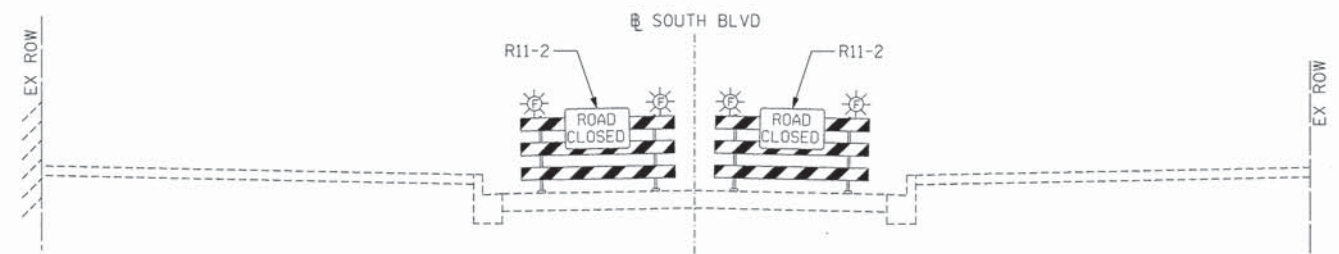


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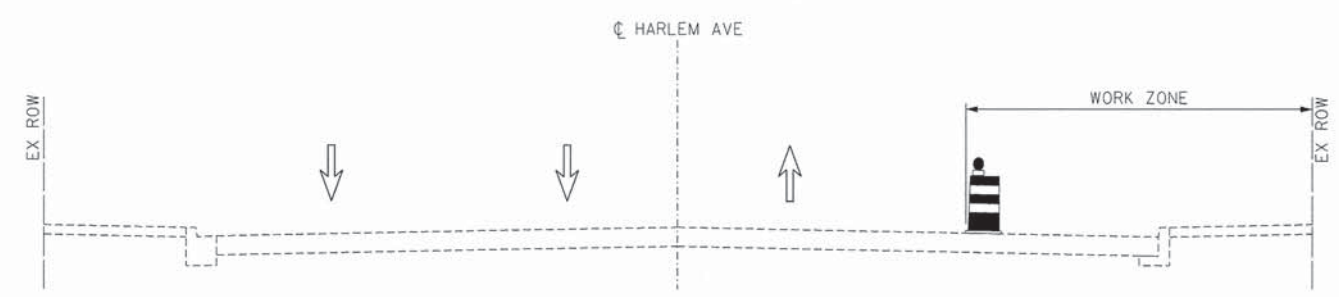
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	PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -							
		DATE - 9/3/2015	REVISED -							
						SCALE: 1"=20'	SHEET 2	OF 2	SHEETS	STA. 48+00 TO STA. END
ILLINOIS FED. AID PROJECT										



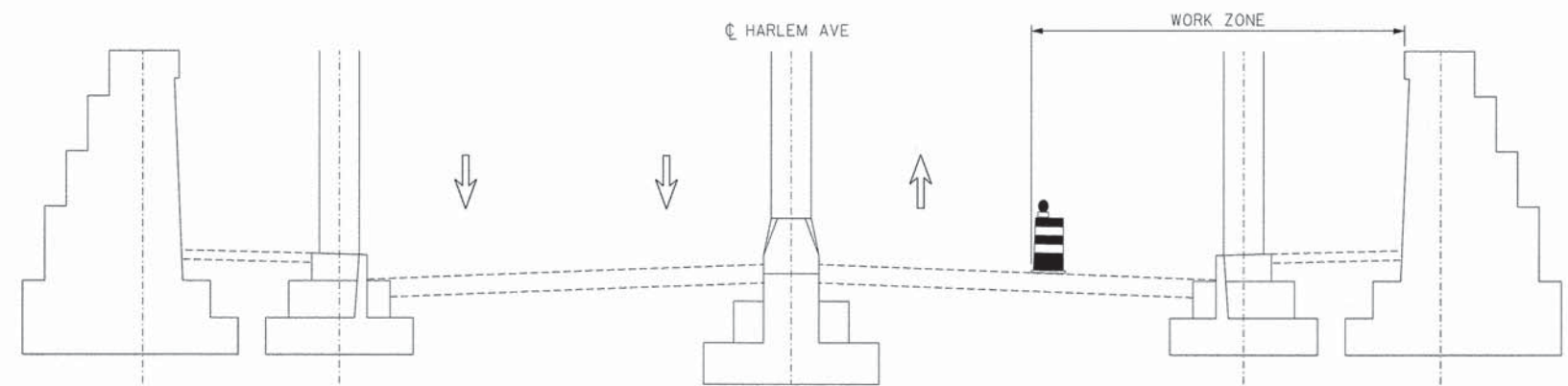
**TYPICAL SECTION (SOUTH BLVD. LOOKING EAST) DURING ROAD CLOSURE**



**TYPICAL SECTION (SOUTH BLVD. LOOKING WEST) DURING ROAD CLOSURE**



**EXISTING HARLEM AVE (SOUTH OF SOUTH BLVD) STAGE 3 (LOOKING NORTH)**



**EXISTING HARLEM AVE (NORTH OF SOUTH BLVD THROUGH RAILROAD STRUCTURE) STAGE 3 (LOOKING NORTH)**

**PRE-CONSTRUCTION**

1. FOUR WEEK DETOUR IN PLACE.
2. ASSURE ALL UTILITIES THAT INTERFERE WITH DEMOLITION OR CONSTRUCTION OF THE PROJECT HAVE BEEN RELOCATED.

**STAGE 1**

CONSTRUCTION

1. PERFORM REMOVAL WORK ON THE NORTH SIDE OF SOUTH BOULEVARD.
2. CONSTRUCT THE PROPOSED SIDEWALK ON THE NORTH SIDE OF SOUTH BOULEVARD.
2. CONSTRUCT THE PROPOSED DIAGONAL PARKING ON THE NORTH SIDE OF SOUTH BOULEVARD. (PROVIDE TEMPORARY RAMP FOR THE DIAGONAL PARKING STALLS)

TRAFFIC

SOUTH BOULEVARD

1. APPLY STAGE 1 MOT.

**STAGE 2**

CONSTRUCTION

1. PERFORM REMOVAL WORK ON THE SOUTH SIDE OF SOUTH BOULEVARD.
2. CONSTRUCT THE PROPOSED SIDEWALK ON THE SOUTH SIDE OF SOUTH BOULEVARD.

TRAFFIC

SOUTH BOULEVARD

1. APPLY STAGE 2 MOT.

ALL AREAS DISTURBED BY STAGE 2 WORK SHALL BE COMPLETED BEFORE STAGE 3 CONSTRUCTION.

**STAGE 3**

CONSTRUCTION

1. FOUR WEEK DETOUR IN PLACE.
2. CONSTRUCT THE PROPOSED PAVEMENT ON SOUTH BOULEVARD.
3. CONSTRUCT THE PROPOSED ADA RAMP ON THE NE AND SE CORNER OF SOUTH BOULEVARD AND HARLEM AVENUE INTERSECTION.

TRAFFIC

HARLEM AVENUE

1. APPLY STAGE 3 MOT. (SEE TYPICAL SECTIONS)

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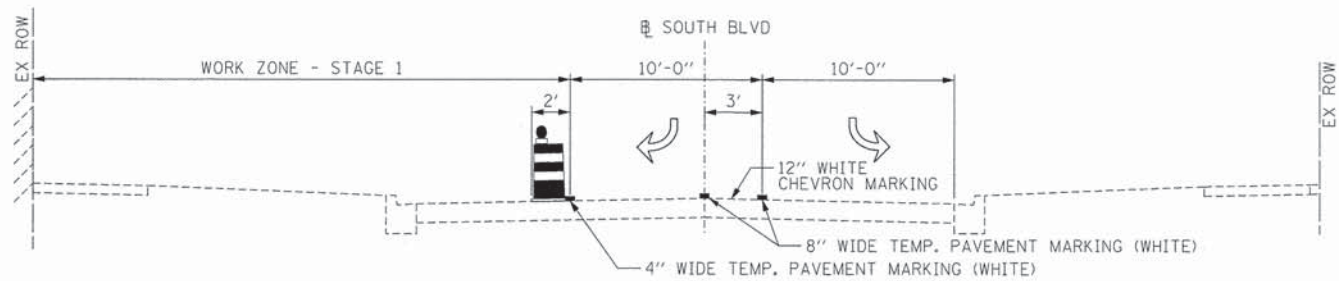
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PLOT SCALE = 5.0000 ' / in.	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK – SOUTH BOULEVARD IMPROVEMENTS**  
**MOT GENERAL NOTES AND TYPICAL SECTIONS**

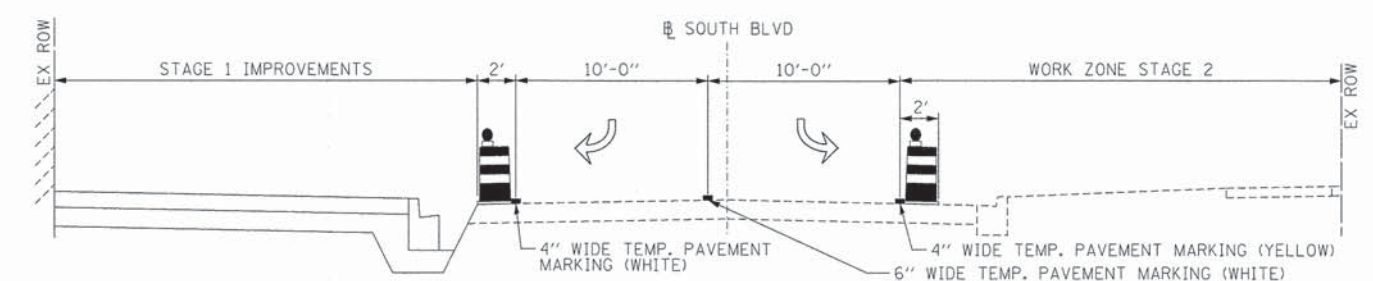
SCALE: 1"=5'    SHEET 1 OF 1 SHEETS    STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	27
CONTRACT NO. 61B99			[ILLINOIS] FED. AID PROJECT	



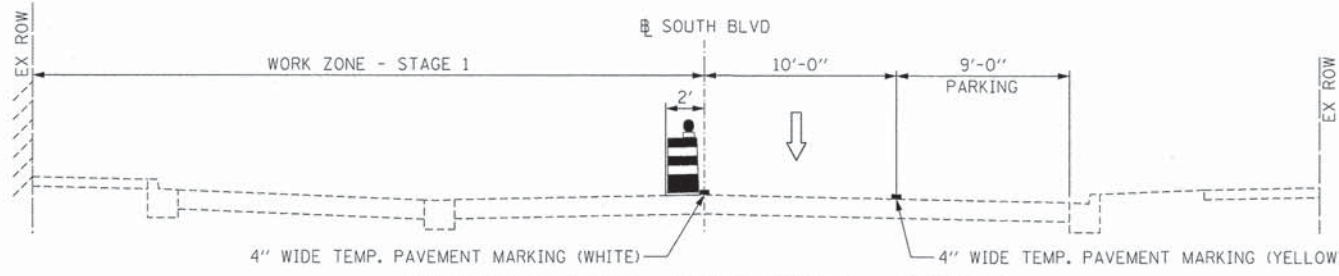
**TYPICAL SECTION (SOUTH BLVD.) - STAGE 1**

STA. 45+23 TO 46+96



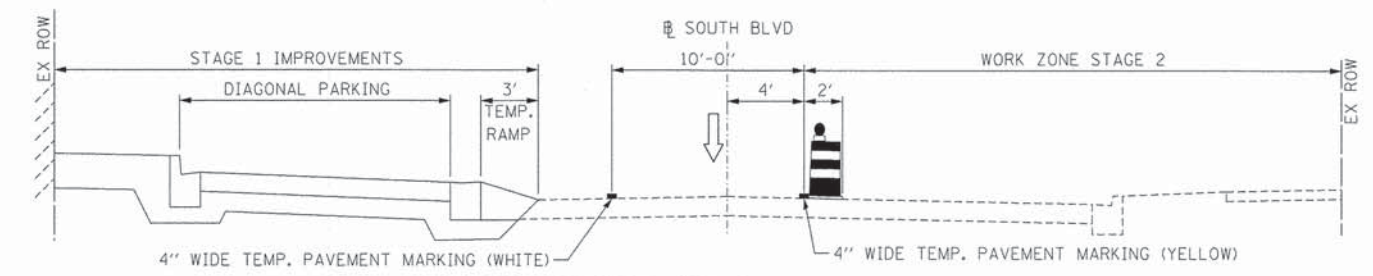
**TYPICAL SECTION (SOUTH BLVD.) - STAGE 2**

STA. 45+23 TO 46+96



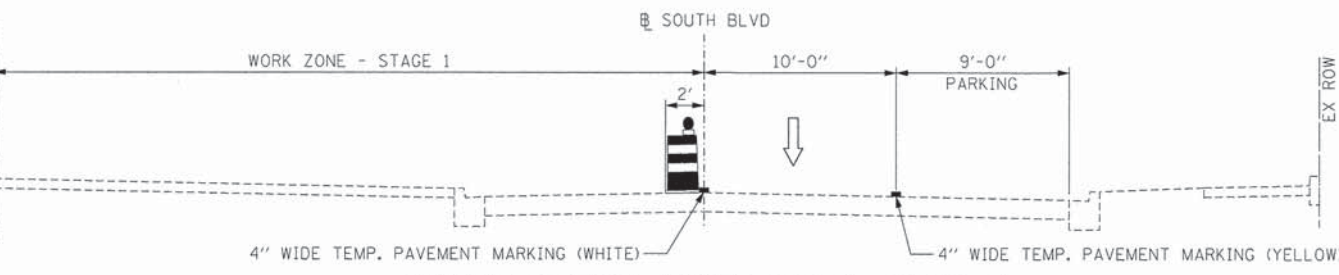
**TYPICAL SECTION (SOUTH BLVD.) - STAGE 1**

STA. 46+96 TO 48+97



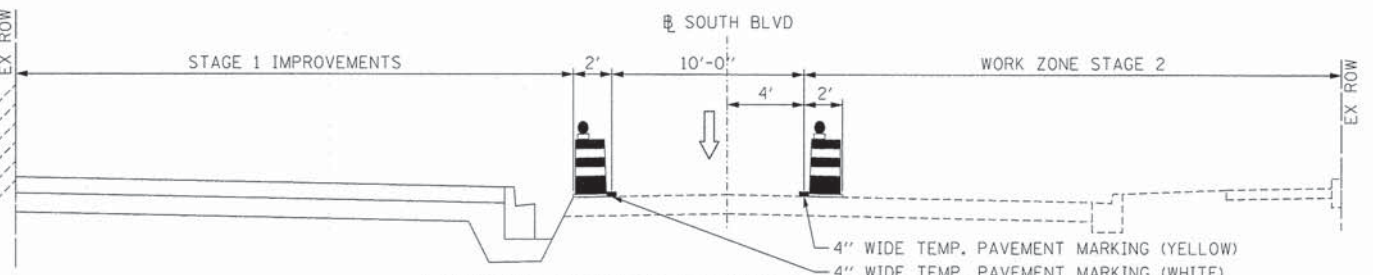
**TYPICAL SECTION (SOUTH BLVD.) - STAGE 2**

STA. 46+96 TO 48+54



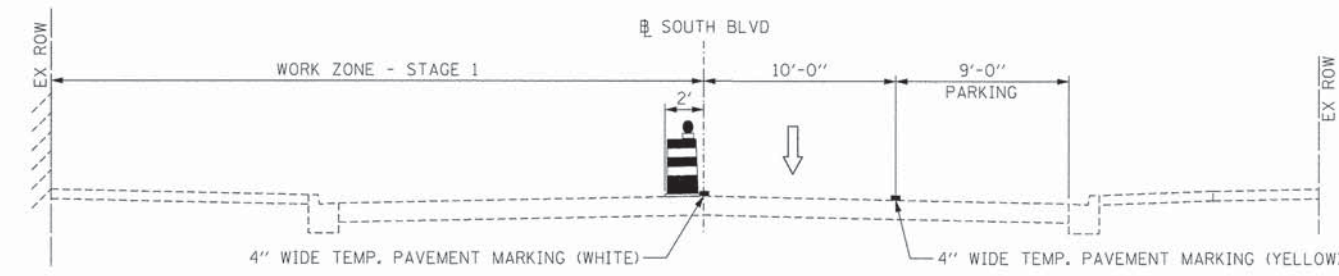
**TYPICAL SECTION (SOUTH BLVD.) - STAGE 1**

STA. 48+97 TO 49+45



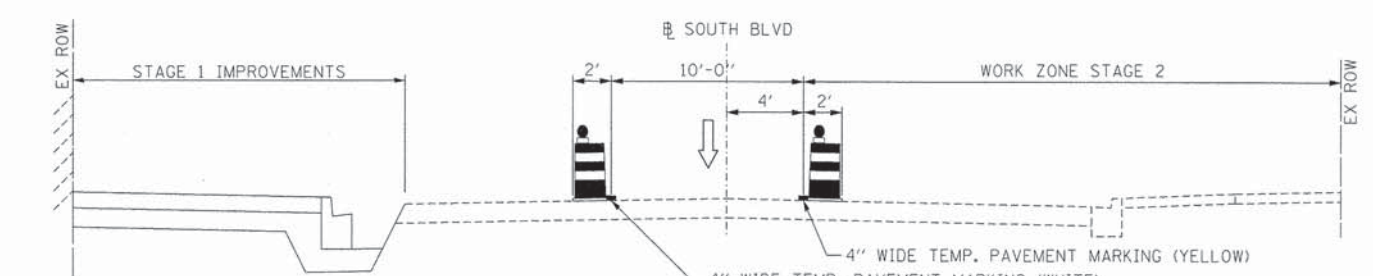
**TYPICAL SECTION (SOUTH BLVD.) - STAGE 2**

STA. 48+54 TO 49+62



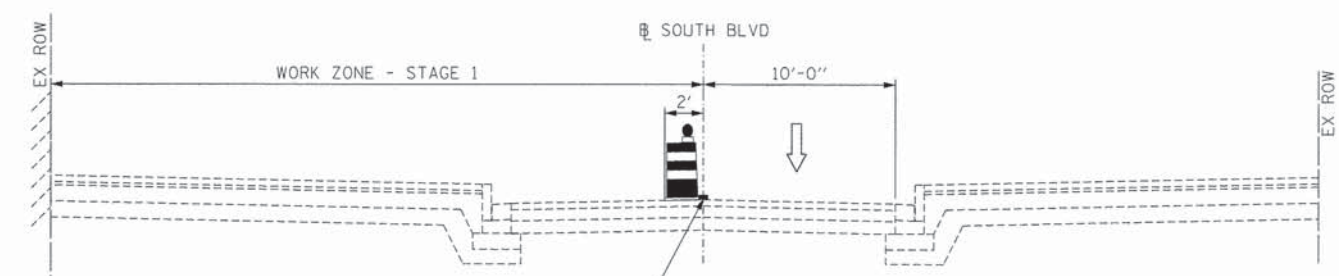
**TYPICAL SECTION (SOUTH BLVD.) - STAGE 1**

STA. 49+45 TO 50+76 LT / 50+63 RT



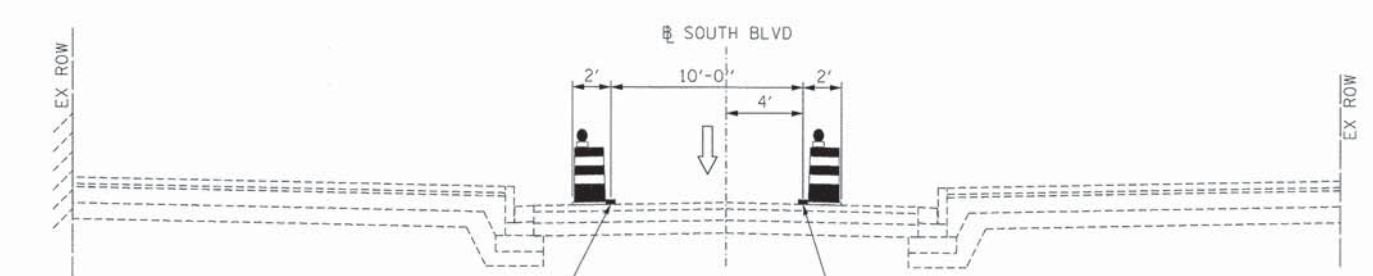
**TYPICAL SECTION (SOUTH BLVD.) - STAGE 2**

STA. 49+62 TO 50+76 LT / 50+63 RT



**TYPICAL SECTION (SOUTH BLVD.) - STAGE 1**

STA. 50+76 LT / 50+63 RT TO 51+23



**TYPICAL SECTION (SOUTH BLVD.) - STAGE 2**

STA. 50+76 LT / 50+63 RT TO 51+23

M:\SOUTH BLVD OakPark\_TCSP (13-227)\DESIGN\CIVIL\000 Sheets\IMPORTED FILES FROM PROJECT\13-00256-00-PV\13-00256-00-PV-13-00256-00-PV.dgn



USER NAME = BernardB	DESIGNED - BCB	REVISED -
PLOT SCALE = 5,0000' / in.	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

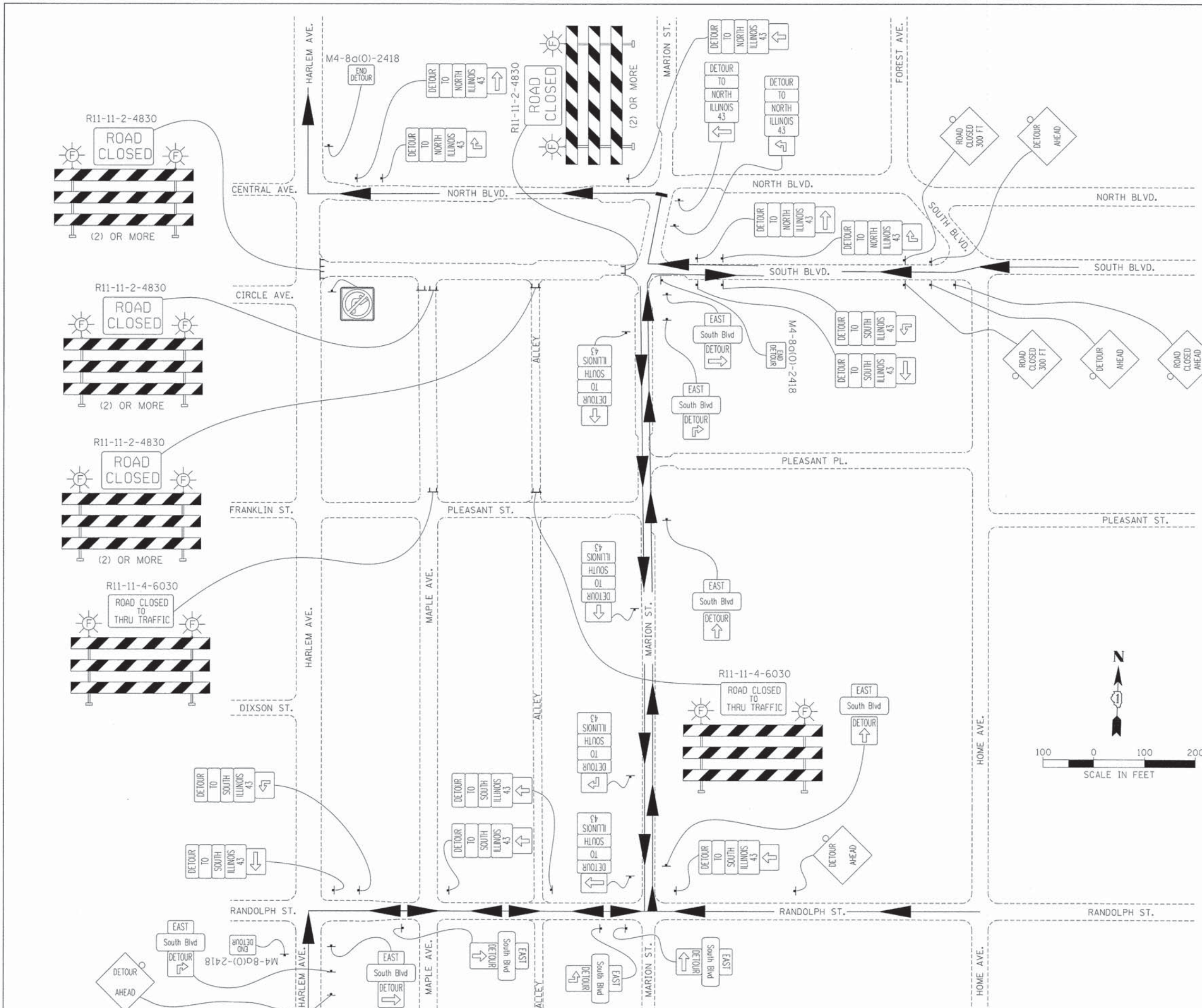
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
MOT TYPICAL SECTIONS**

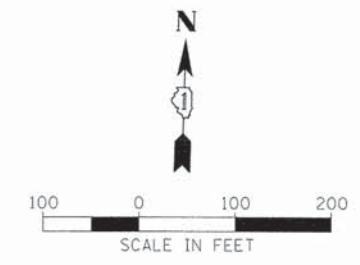
SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	28
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61B99	

M4 SOUTH BLVD OakPark TCSP 03-227A DESIGN CIVIL/CARD Sheets IMPORTED FILES FROM PROJECTWISE 0115227-eh-t-3-tagging-detour1.dgn Dr Faulk



ROUTE MARKER	
	D1-1104-3012
	M1-50-2424
CARDINAL DIRECTION AUXILIARY SIGNS	
	M3-2-2412
	M3-4-2412
	M3-1-2412
ARROW & DETOUR SIGNS	
	M4-8-2412
	M4-5-2412
	M4-9L-3024
	M4-9R-3024
	M4-9AL-2424
	M4-9AR-2424
	M4-9S-3030
	M6-1L-2115
	M6-1R-2115
	M5-1L-2115
	M5-1R-2115
	M6-3-2115
	W-20-3-4848
	W-20-2-4848
	W-20-3-4848



- NOTES:**
- 1) PEDESTRIAN ACCESS TO THE CTA MARION ST. STATION SHALL BE MAINTAINED AT ALL TIMES FROM BOTH HARLEM AVENUE AND MARION ST.
  - 2) PEDESTRIAN ACCESS SHALL BE MAINTAINED TO THE BUSINESS ALONG THE SOUTH SIDE OF MARION STREET.
  - 3) FULL CLOSURE OF SOUTH BLVD. SHALL BE LIMITED TO WORK REQUIRED TO CONSTRUCT SEWER AND WATERMAIN IMPROVEMENTS AND NEW ROADWAY CONCRETE BASE AND BRICK PAVERS.
  - 4) SIGN TYPE AND SPACING SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-21



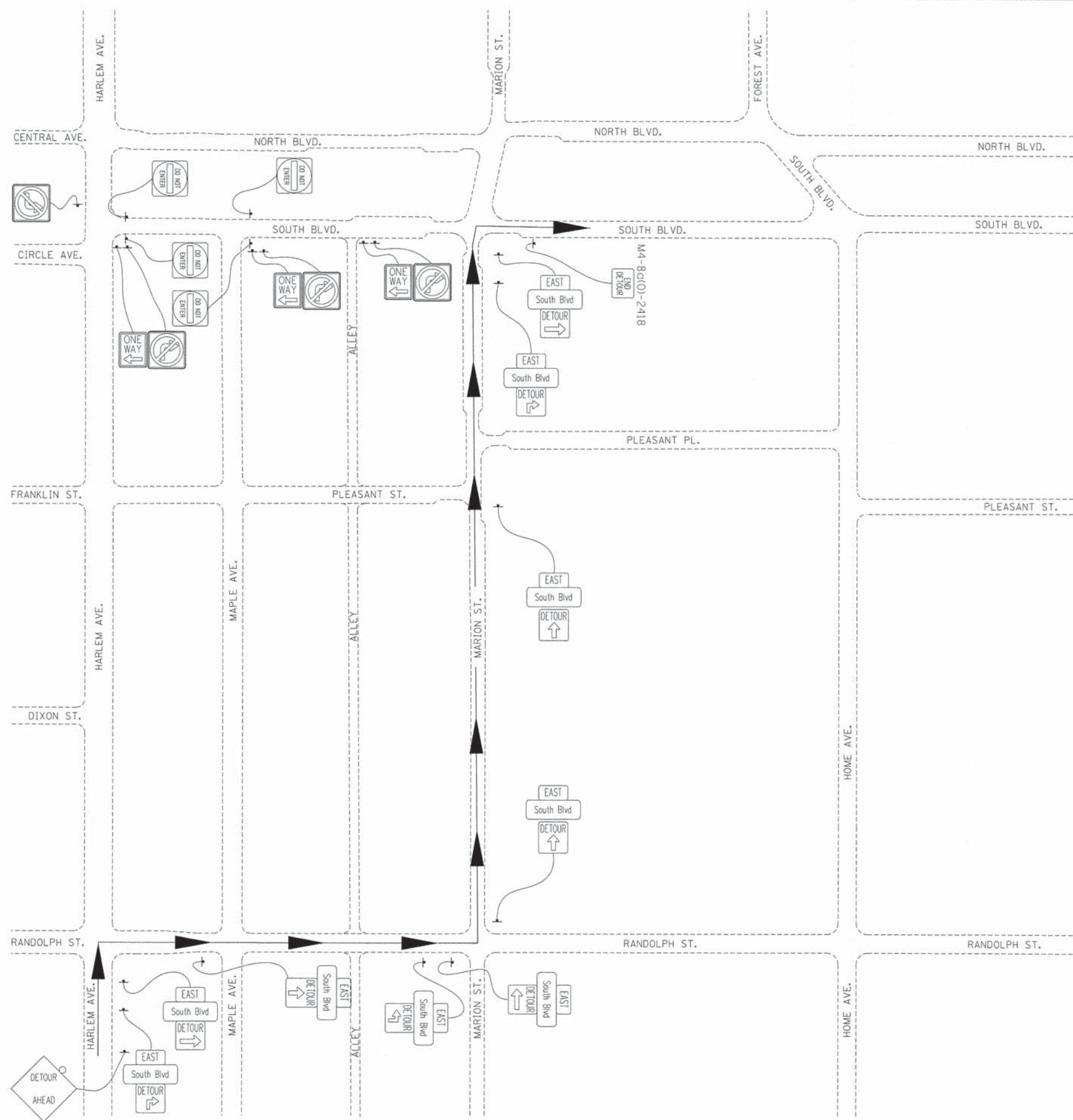
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PLOT SCALE = 100.0000' / 1" = 100'	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
NOT DETOUR SIGNING FOR FULL CLOSURE OF SOUTH BOULEVARD**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	29
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

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**ROUTE MARKER**

South Blvd D1-1104-3012

**CARDINAL DIRECTION AUXILIARY SIGNS**

EAST M3-2-2412

**ARROW & DETOUR SIGNS**

DETOUR M4-9L-3024

DETOUR M4-9R-3024

DETOUR M4-9AL-2424

DETOUR M4-9AR-2424

DETOUR M4-9S-3030

**REGULATORY SIGNS**

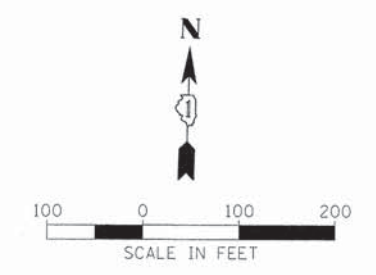
R3-1-3636

R3-2L

R5-1-2424

R6-2L-2418

DETOUR AHEAD W-20-2-4848



USER NAME = BernardB	DESIGNED - BCB	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

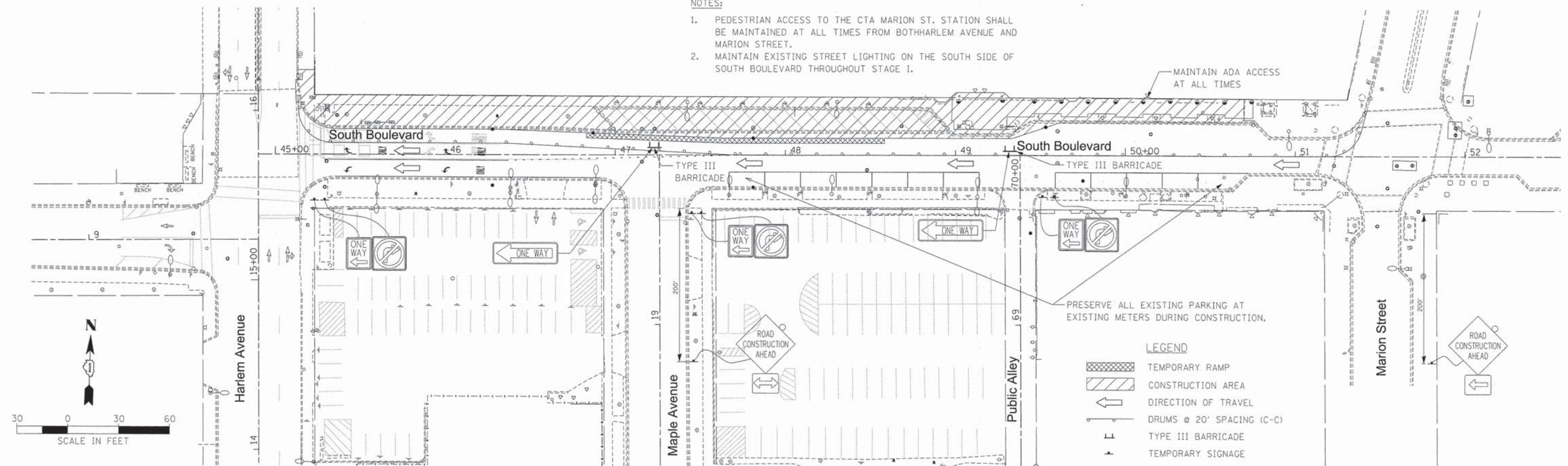
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
MOT DETOUR SIGNING FOR EB CLOSURE OF SOUTH BOULEVARD**

SCALE: 1"=100' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

**NOTES:**

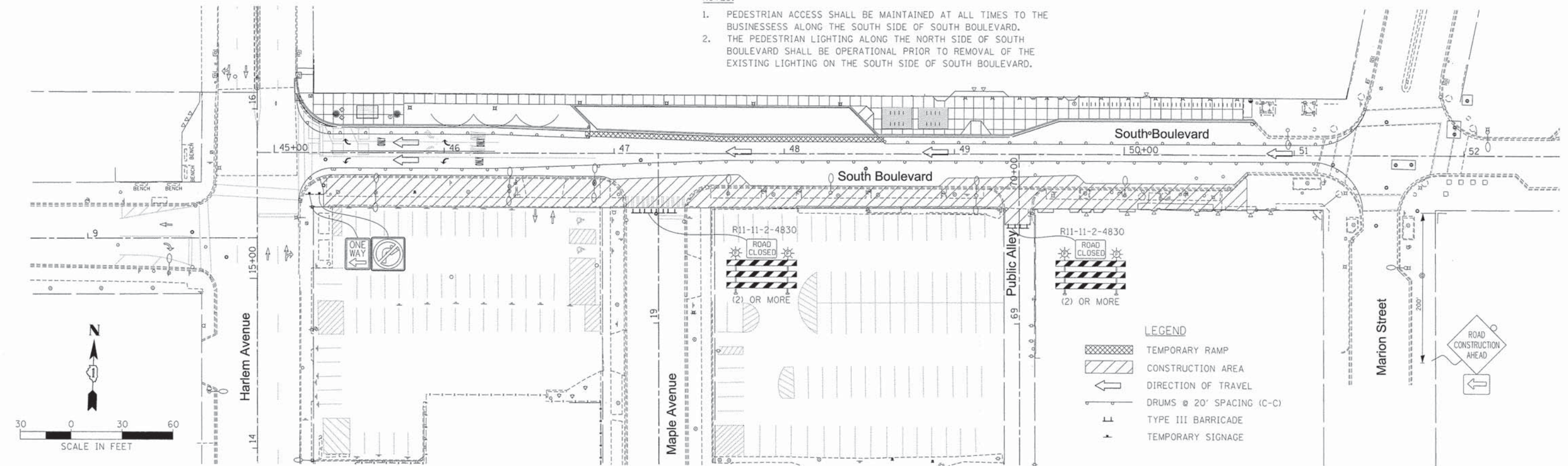
1. PEDESTRIAN ACCESS TO THE CTA MARION ST. STATION SHALL BE MAINTAINED AT ALL TIMES FROM BOTH HARLEM AVENUE AND MARION STREET.
2. MAINTAIN EXISTING STREET LIGHTING ON THE SOUTH SIDE OF SOUTH BOULEVARD THROUGHOUT STAGE 1.



**STAGE 1**

**NOTES:**

1. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES TO THE BUSINESSSES ALONG THE SOUTH SIDE OF SOUTH BOULEVARD.
2. THE PEDESTRIAN LIGHTING ALONG THE NORTH SIDE OF SOUTH BOULEVARD SHALL BE OPERATIONAL PRIOR TO REMOVAL OF THE EXISTING LIGHTING ON THE SOUTH SIDE OF SOUTH BOULEVARD.



**STAGE 2**

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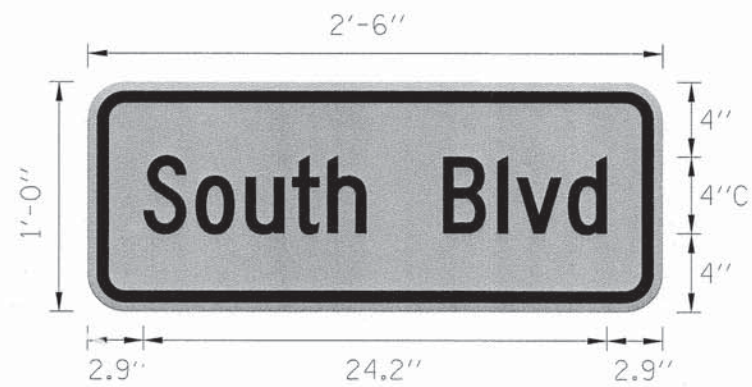
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	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

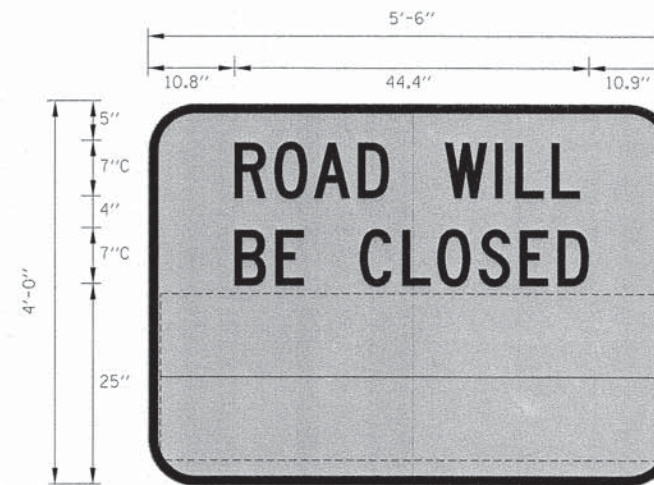
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
MAINTENANCE OF TRAFFIC PLANS - STAGE 1 & STAGE 2**

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

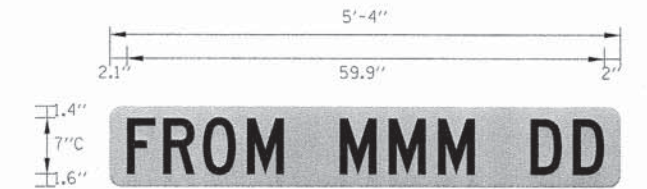
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



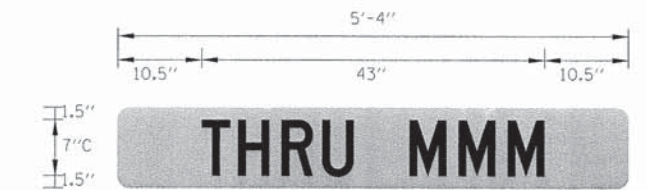
BORDER  
 R=1.5"  
 TH=0.63"  
 IN=0.47"  
 BLACK TEXT  
 ORANGE BACKGROUND



BORDER  
 R=6"  
 TH=1.3"  
 BLACK TEXT (1YP)  
 ORANGE BACKGROUND (TYP)



①



②

NOTES:

- 1 OVERLAY PANEL ① TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION. (I.E. "FROM APR 2")
- 2 OVERLAY PANEL ② TO CONTAIN ENDING MONTH OF FULL CLOSURE AND DETOUR (I.E. "THRU JULY"). OMIT THE DATE ON PANEL ②; MONTH ONLY.
- 3 ERECT SIGN ASSEMBLY (POST-MOUNTED) WITH PANELS ① AND ② IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.

MASOUTH BLVD OakPark TCSP 03-27A\DESIGN\CIVIL\CA00 Sheets\IMPORTED FILES FROM PROJECT\15E\018227-ht-staging-ssgn\_details.dgn On fault



USER NAME = BernardB	DESIGNED - BCB	REVISED -
	DRAWN - BCB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DPA	REVISED -
PLOT DATE = 9/3/2015	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

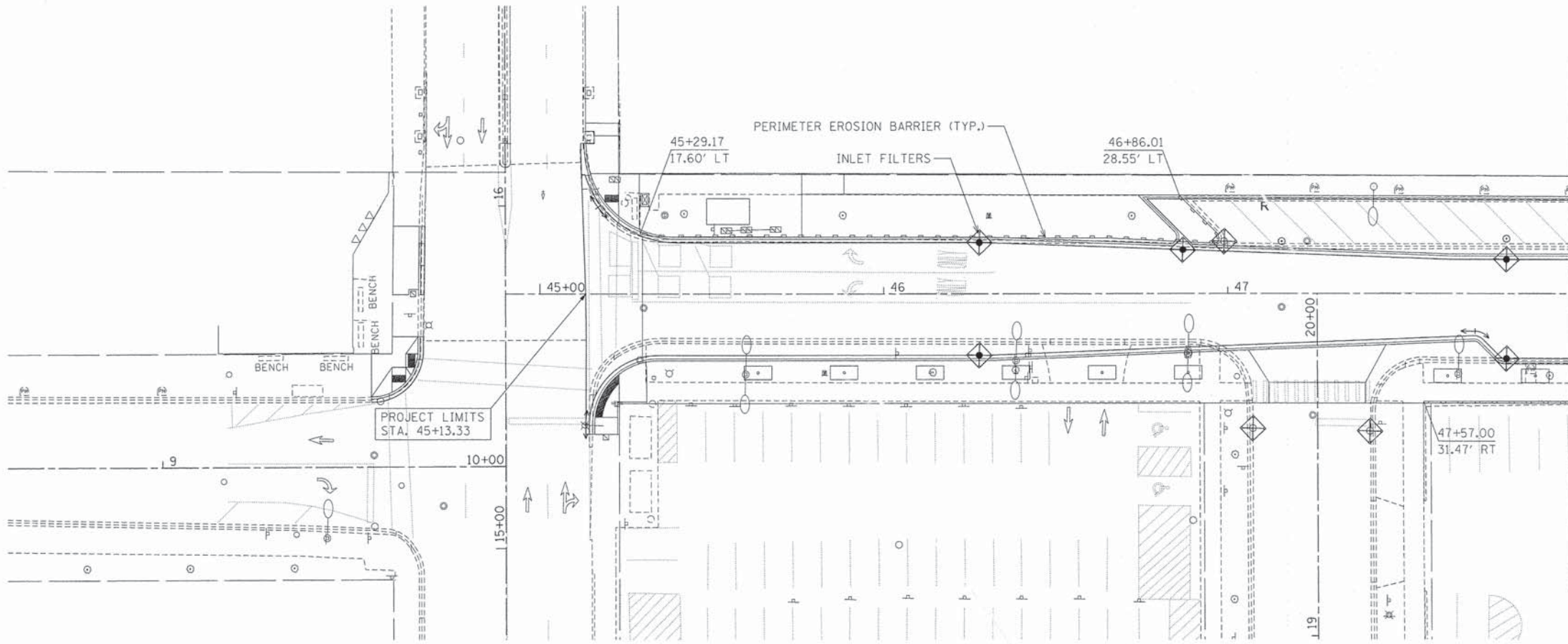
VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 MAINTENANCE OF TRAFFIC TEMPORARY SIGN DETAILS

SCALE: 1"=100' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	32
			CONTRACT NO. 61B99	
ILLINOIS FED. AID PROJECT				



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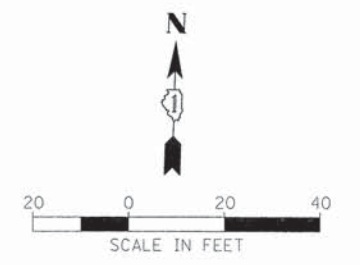
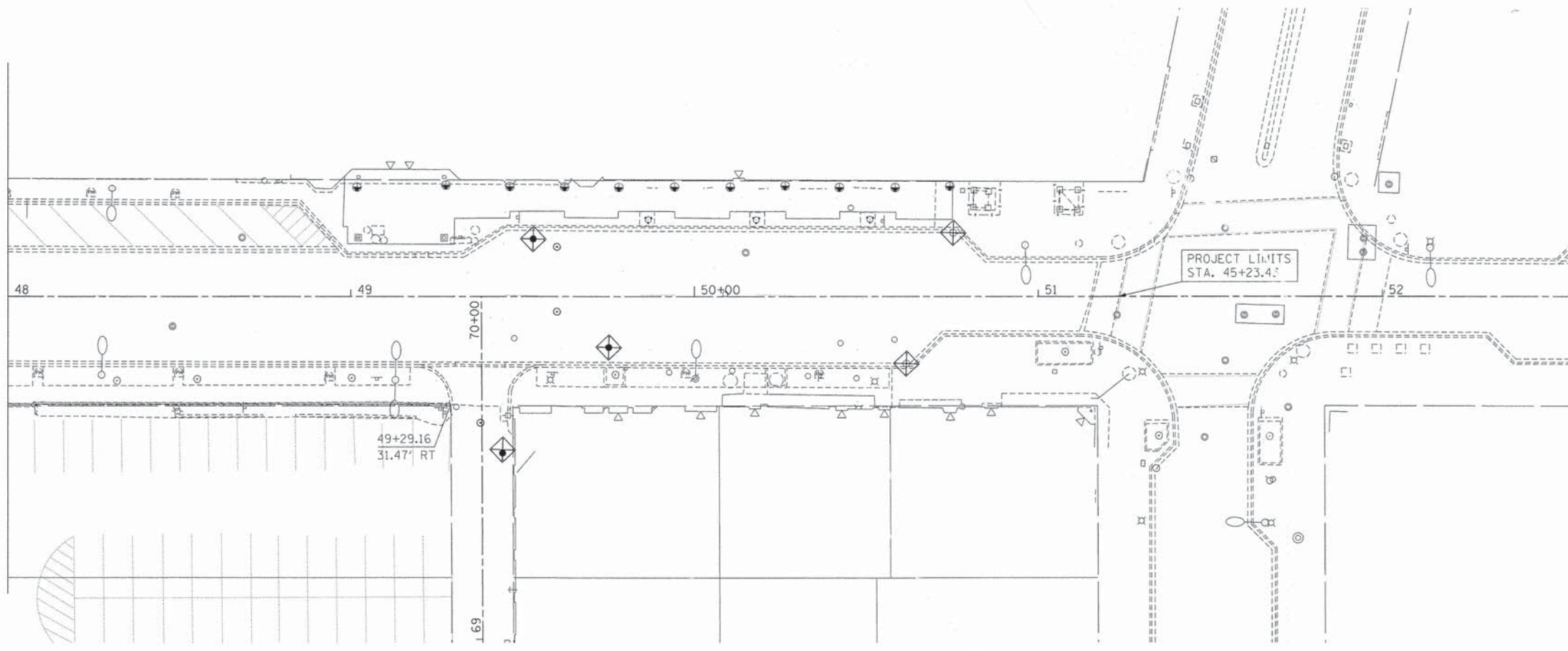


**LEGEND**



**NOTES**

1. THE CONTRACTOR SHALL NOT DISTURB THE PARKWAYS ON THE SOUTH BOULEVARD DURING THE STAGE I WORK ON THE NORTH SIDE OF SOUTH BLVD.
2. THE CONTRACTOR SHALL PLACE INLET FILTERS ON ALL EXISTING CATCH BASINS AND ON ALL PROPOSED CATCH BASINS WHEN THEY ARE INSTALLED.
3. THE CONTRACTOR SHALL PROVIDE A CONCRETE WASHOUT WITHIN THE PROJECT LIMITS AT LOCATION THAT IS COMPATIBLE WITH HIS MEANS AND METHODS.



USER NAME = BernardB	DESIGNED - BCB	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
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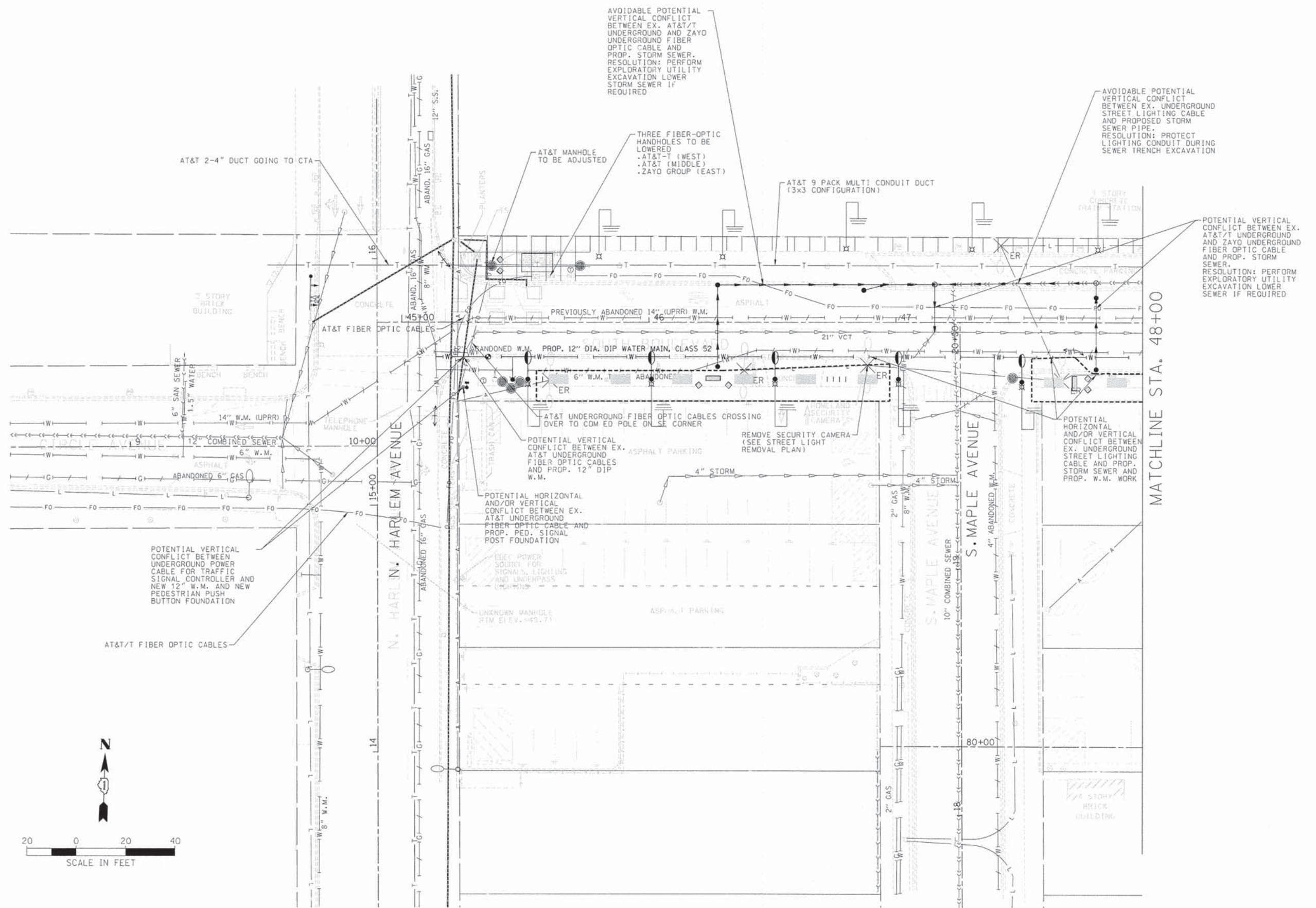
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
TEMPORARY EROSION AND SEDIMENT CONTROL**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	33
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

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USER NAME = BernardB	DESIGNED - BCB	REVISED -
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PLLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

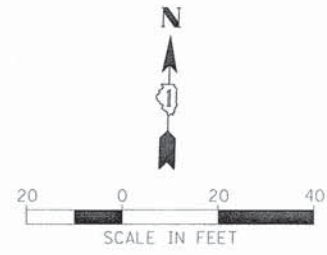
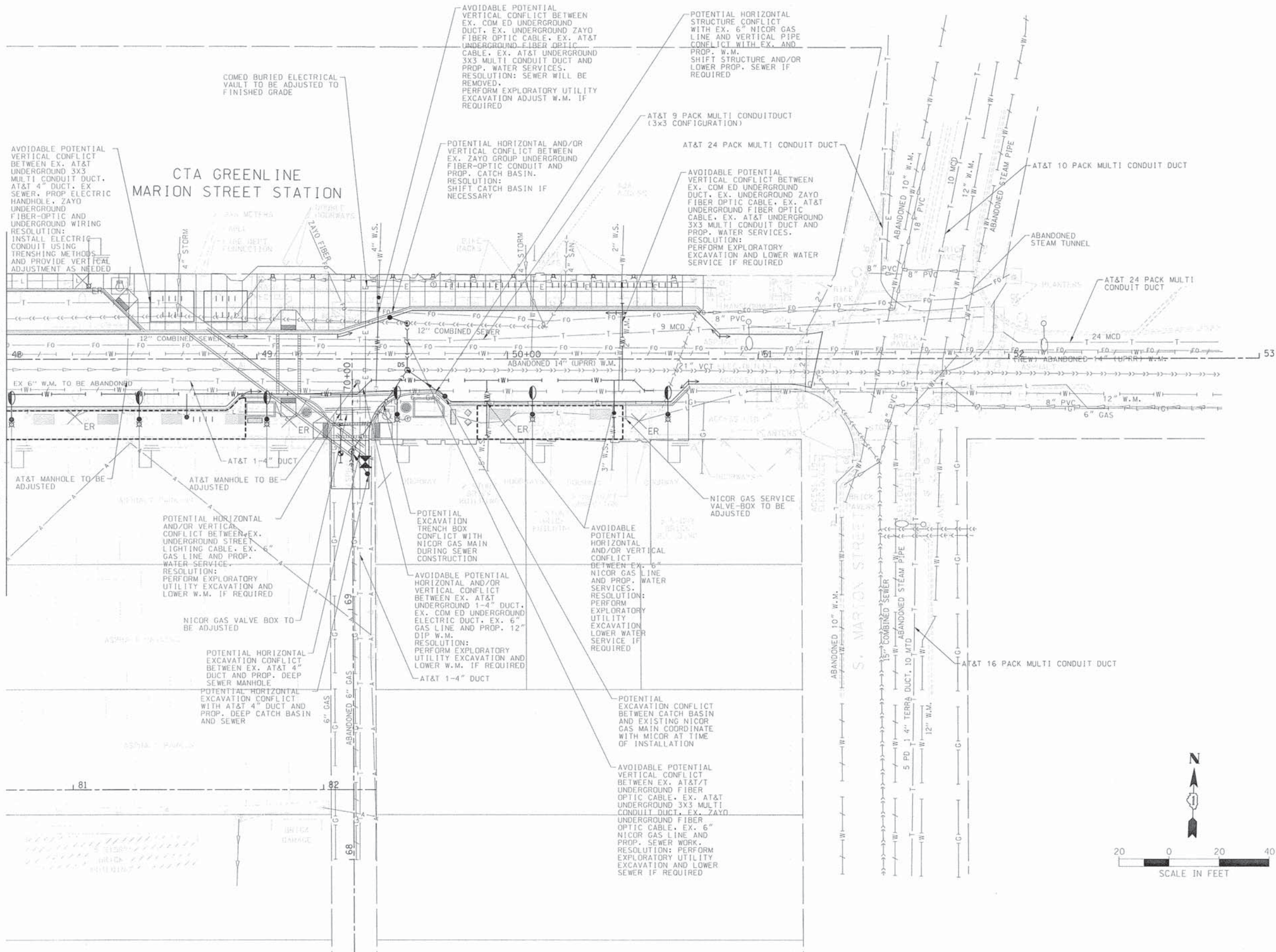
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
STATUS OF UTILITIES**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	34
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=20'    SHEET 1 OF 2 SHEETS    STA.    TO STA.

MATCHLINE STA. 48+00



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USER NAME = KurTV	DESIGNED - BCB	REVISED -
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	DATE - 9/28/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

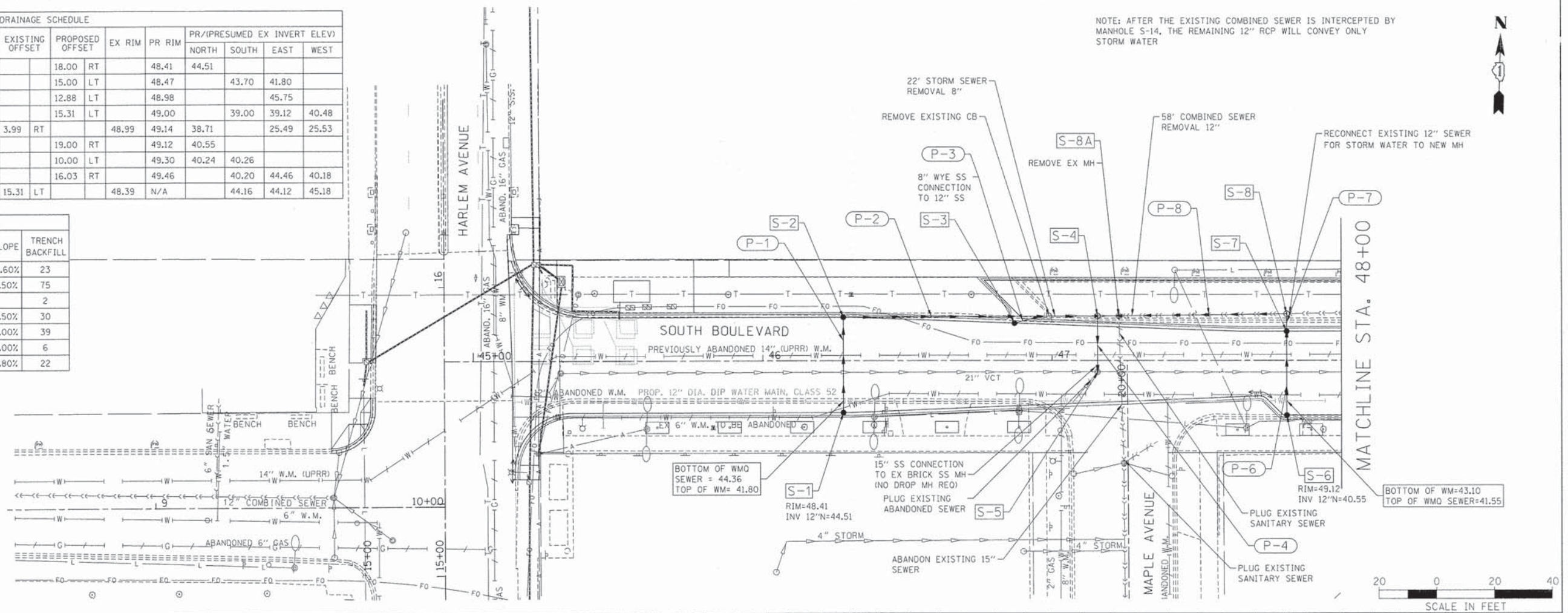
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
STATUS OF UTILITIES**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	35
CONTRACT NO. 61B99				
[ILLINOIS] FED. AID PROJECT				

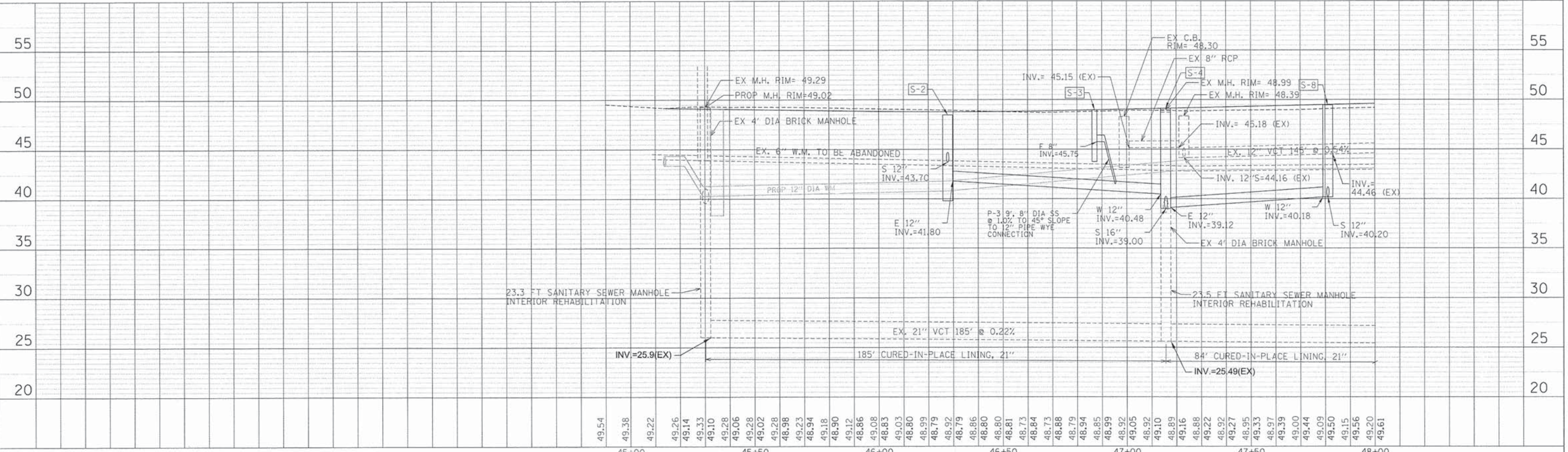
SCALE: 1"=20'    SHEET 2 OF 2 SHEETS    STA. TO STA.

DRAINAGE SCHEDULE											
NO.	STRUCTURE TYPE	EXISTING STATION	PROPOSED STATION	EXISTING OFFSET	PROPOSED OFFSET	EX RIM	PR RIM	PR/(PRESUMED EX INVERT ELEV)			
								NORTH	SOUTH	EAST	WEST
S-1	CB-A-4' W/TY 1 FR&GR		46+27.79		18.00	RT	48.41	44.51			
S-2	CB-A-4' W/TY 1 FR&GR		46+27.79		15.00	LT	48.47		43.70	41.80	
S-3	CB-C-2' W/TY 1 FR&GR		46+87.00		12.88	LT	48.98			45.75	
S-4	MH-A-4' W/TY 1 FR&GR		47+15.68		15.31	LT	49.00		39.00	39.12	40.48
S-5	EX MH	47+15.68		3.99	RT		48.99	49.14	38.71		25.49 25.53
S-6	CB-A-4' W/TY 1 FR&GR		47+81.10		19.00	RT	49.12	40.55			
S-7	CB-A-4' W/TY 1 FR&GR		47+81.10		10.00	LT	49.30	40.24	40.26		
S-8	MH-A-4' W/TY 1 FR&GR		47+81.10		16.03	RT	49.46		40.20	44.46	40.18
S-8A	EX MH	47+23.07	REMOVE	15.31	LT		48.39	N/A	44.16	44.12	45.18

PIPE SCHEDULE						
PIPE NO.	PAY ITEM NUMBER	LENGTH	MATERIAL	SIZE INCH	SLOPE	TRENCH BACKFILL
P-1	Z0056608	33 FT	DIP, CL52	12"	2.60%	23
P-2	Z0056608	88 FT	DIP, CL52	12"	1.50%	75
P-3	Z0056604	9 FT	DIP, CL52	8"		2
P-4	Z0056611	19 FT	DIP, CL52	16"	1.50%	30
P-6	Z0056608	29 FT	DIP, CL52	12"	1.00%	39
P-7	Z0056608	6 FT	DIP, CL52	12"	1.00%	6
P-8	Z0056608	65 FT	DIP, CL52	12"	1.80%	22



NOTE: AFTER THE EXISTING COMBINED SEWER IS INTERCEPTED BY MANHOLE S-14, THE REMAINING 12" RCP WILL CONVEY ONLY STORM WATER



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USER NAME = BernardB  
 DRAWN - SM  
 CHECKED - DPA  
 DATE - 9/3/2015

DESIGNED - DPA  
 DRAWN - SM  
 CHECKED - DPA  
 DATE - 9/3/2015

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

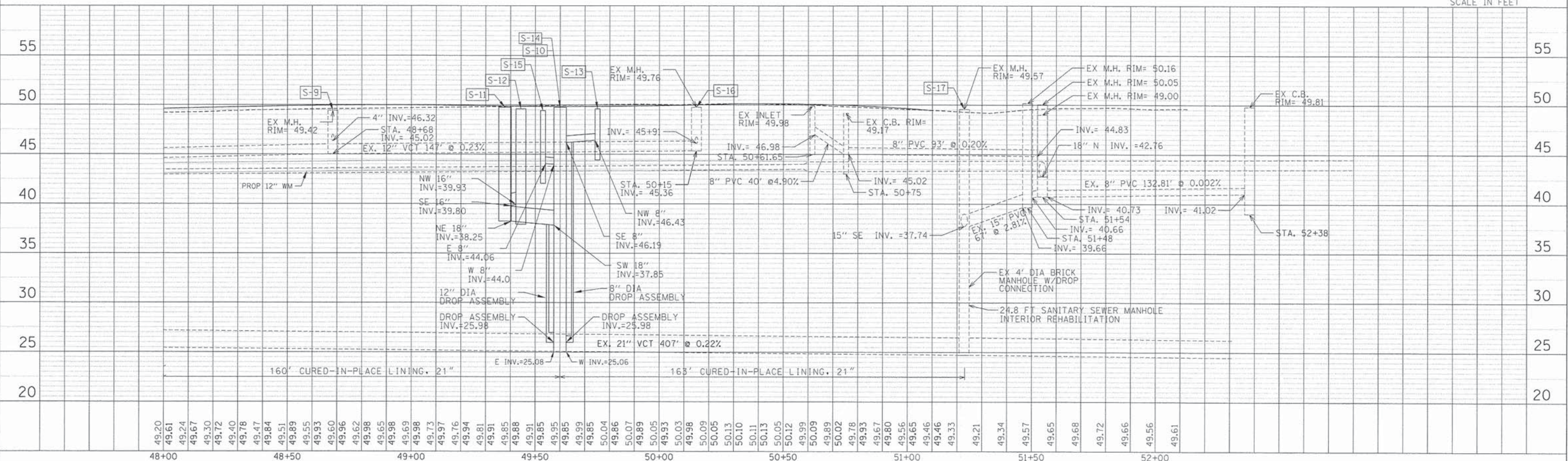
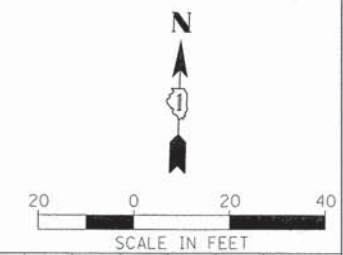
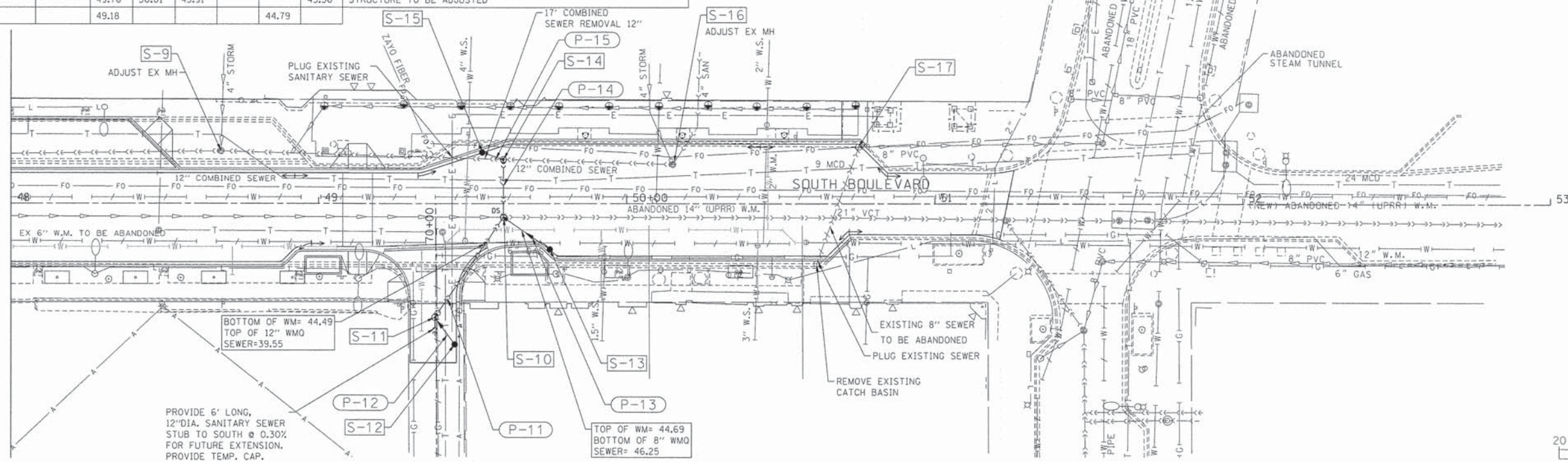
VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 DRAINAGE PLAN AND PROFILE  
 SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. BEGIN TO STA. 48+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	36
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

DRAINAGE SCHEDULE									
NO.	STRUCTURE TYPE	PROPOSED STATION	OFFSET	EX RIM	PR RIM	PR/(PRESUMED EX INVERT ELEV)		COMMENTS	
						NORTH	SOUTH		
S-9	EX 4' MH			49.42	49.95	46.37	45.02	45.02	STRUCTURE TO BE ADJUSTED
S-10	MH-SP W/TY 1 FR&GR	49+60.00	4.41 RT	49.75	43.29		46.19	37.85	5' DIA. MH W/3-DROP ASSEMBLY CONNECTIONS OVER EXISTING SEWER
S-11	MH-A-5' W/TY 1 FR&GR	49+37.75	36.99 RT	49.75	38.25	38.30	39.80		
S-12	CB-A-4' W/TY 1 FR&GR	49+44.21	45.83 RT	49.60				39.93	
S-13	CB-C-2' W/TY 1 FR&GR	49+75.07	14.84 RT	49.43	46.43		46.19		
S-14	MH-A-4' W/TY 1 FR&GR	49+60	14.42 LT	49.56		43.63	45.23	44.00	
S-15	CB-C-2' W/TY 1 FR&GR	49+53.10	16.70 LT	49.42			44.10		STRUCTURE TO BE ADJUSTED
S-16	EX 4' MH			49.76	50.01	45.91		45.36	
S-17	EX CB			49.18				44.79	

PIPE SCHEDULE						
PIPE NO.	PAY ITEM NUMBER	LENGTH	MATERIAL	SIZE INCH	SLOPE	TRENCH BACKFILL
P-11	Z0061300	40 FT	DIP, CL52	18"	1.00%	54
P-12	Z0056611	11 FT	DIP, CL52	16"	1.20%	13
P-13	Z0056604	18 FT	DIP, CL52	8"	1.50%	4
P-14	Z0061100	19 FT	DIP, CL52	12"	2.00%	13
P-15	Z0056604	7 FT	DIP, CL52	8"	1.00%	5

MATCHLINE STA. 48+00

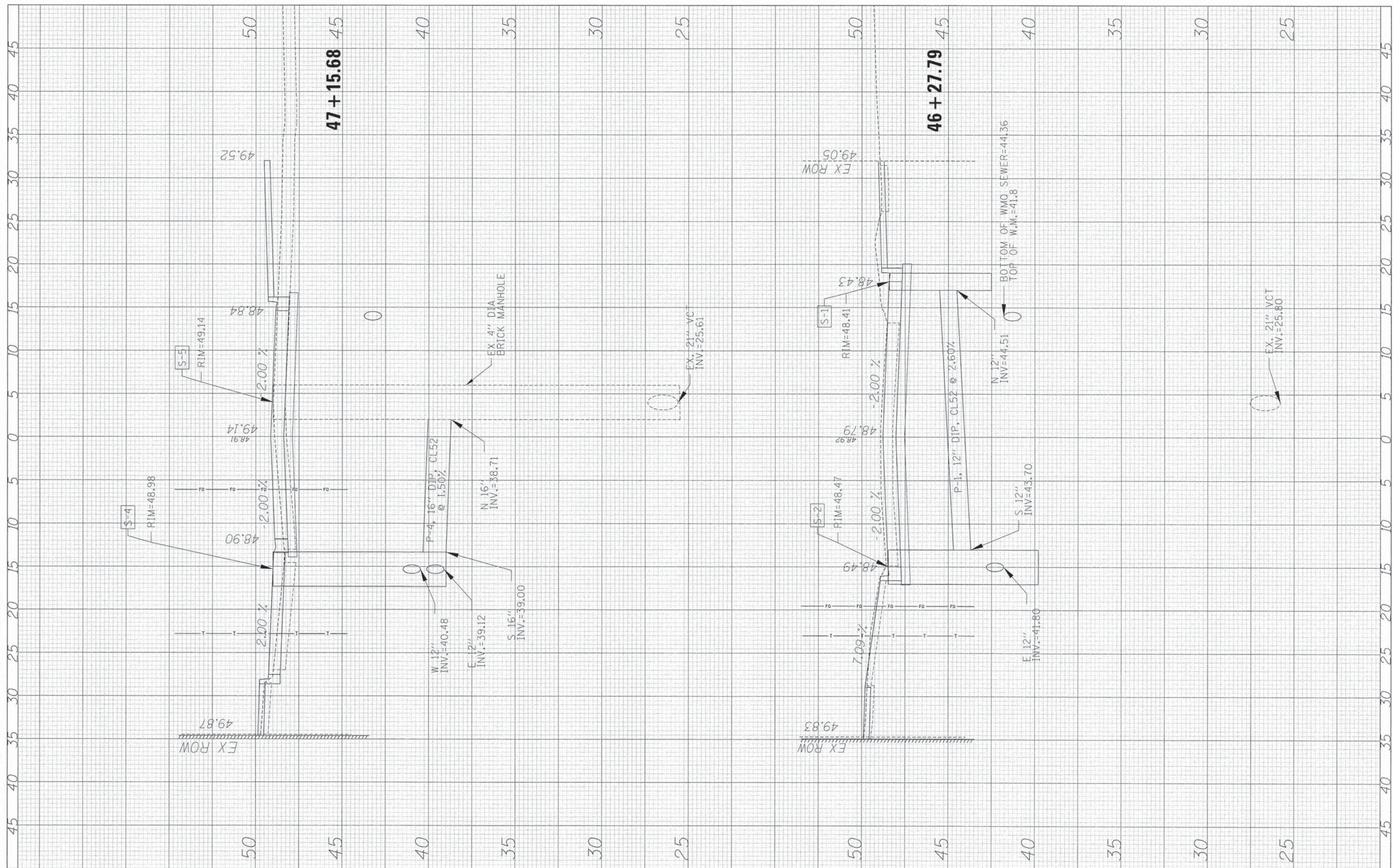


	USER NAME = BernardB	DESIGNED - DPA	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS</b> <b>DRAINAGE PLAN AND PROFILE</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 9/3/2015	DATE - 9/3/2015	REVISED -			CONTRACT NO. 61B99	ILLINOIS FED. AID PROJECT			
						SCALE: 1"=20'	SHEET 2 OF 2 SHEETS	STA. 48+00 TO STA. END		

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

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



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USER NAME = BernardB	DESIGNED - SM	REVISED -
PLOT SCALE = 5,0000 ' / in.	DRAWN - SM	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

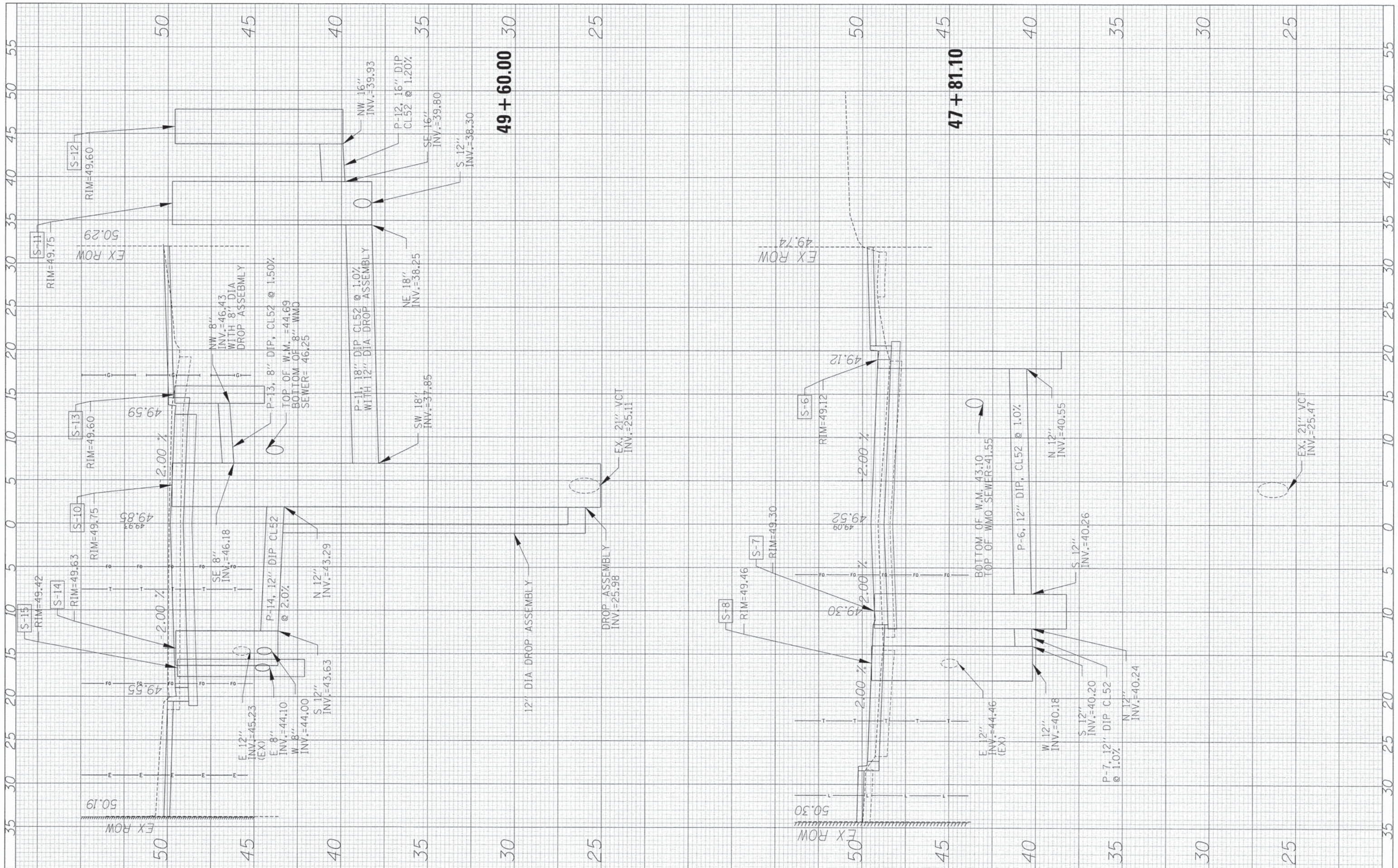
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SEWER LATERAL PROFILES**

SHEET 1 OF 2 SHEETS STA. 46+27.79 TO STA. 47+15.68

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	38
			CONTRACT NO. 61B99	
ILLINOIS FED. AID PROJECT				

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

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



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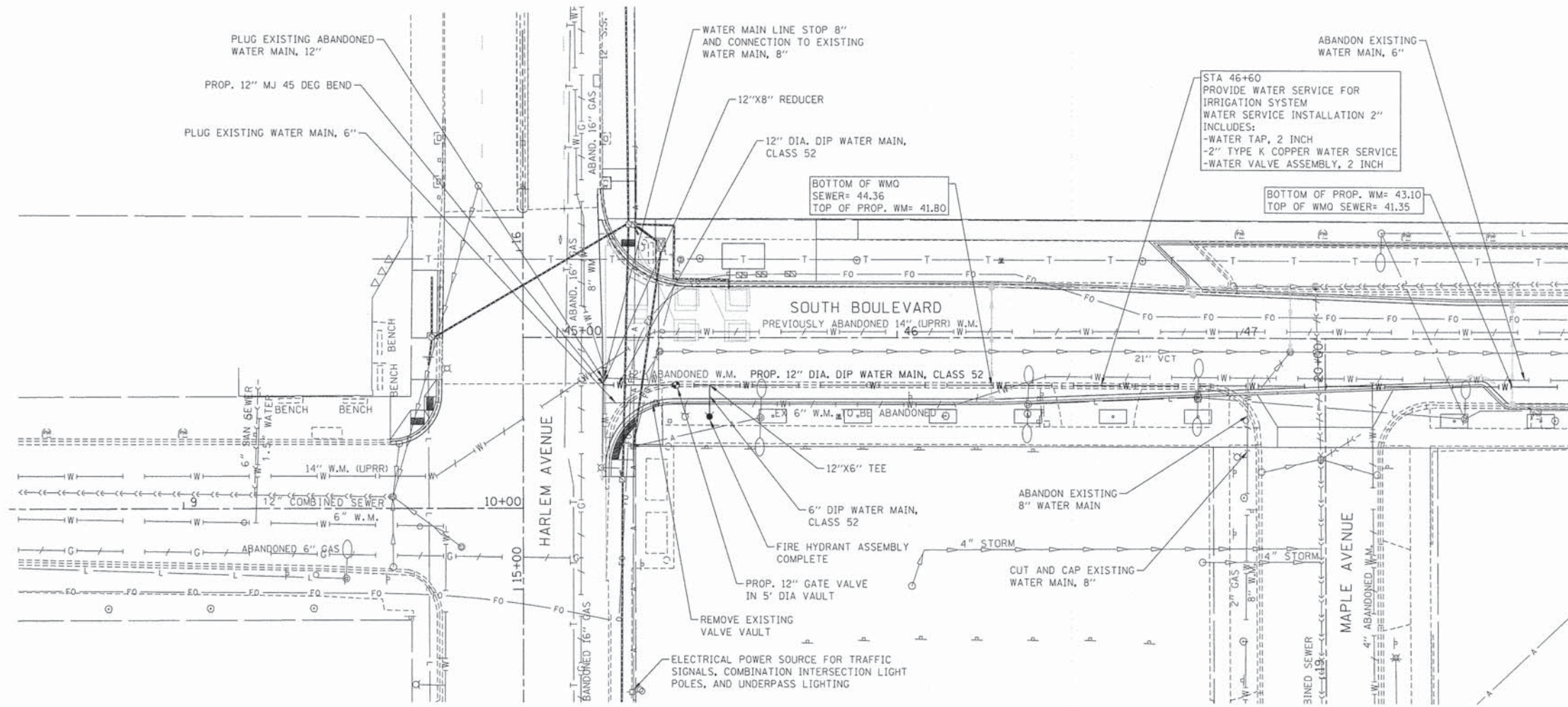
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 REVISED -

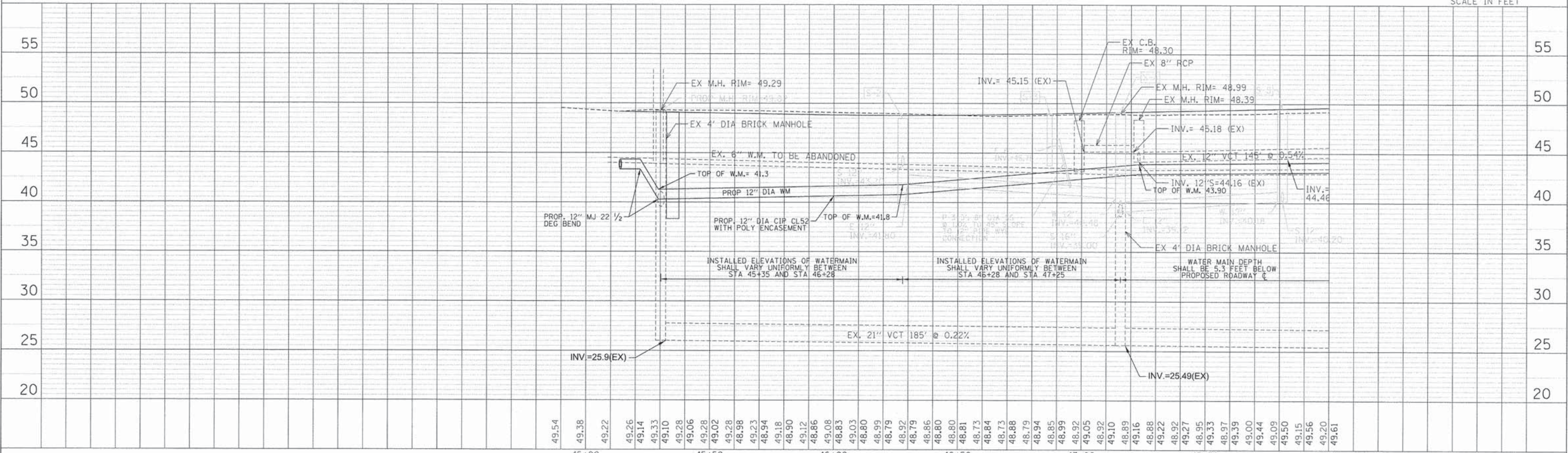
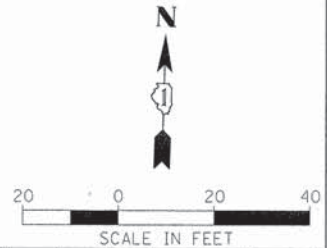
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS**  
**SEWER LATERAL PROFILES**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	39
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 48+00



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

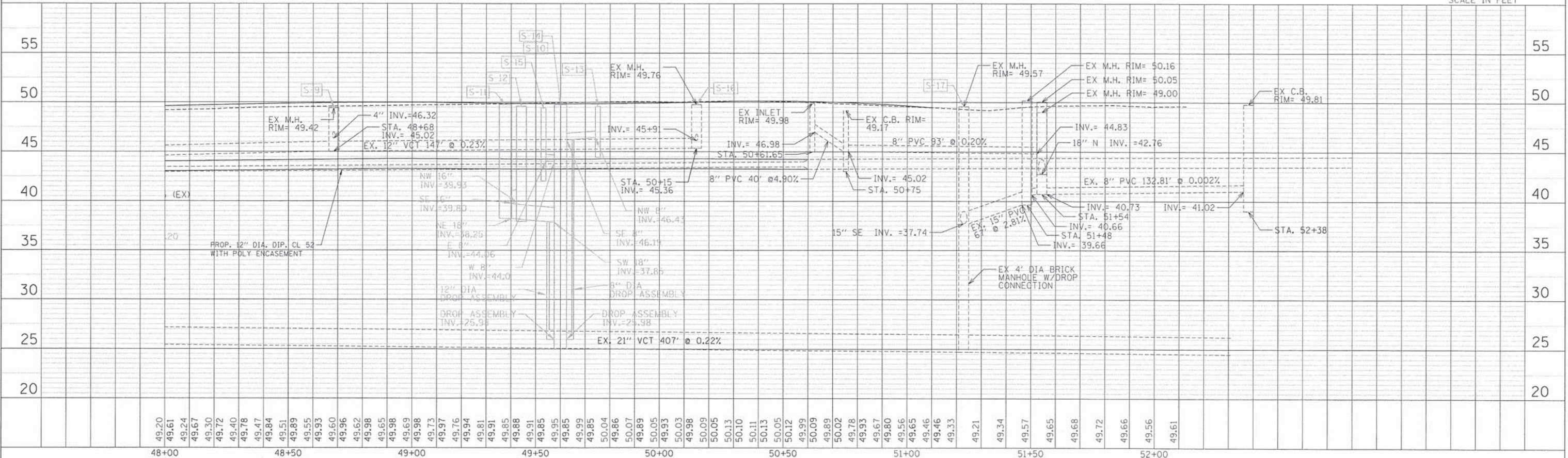
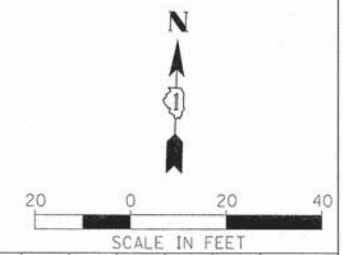
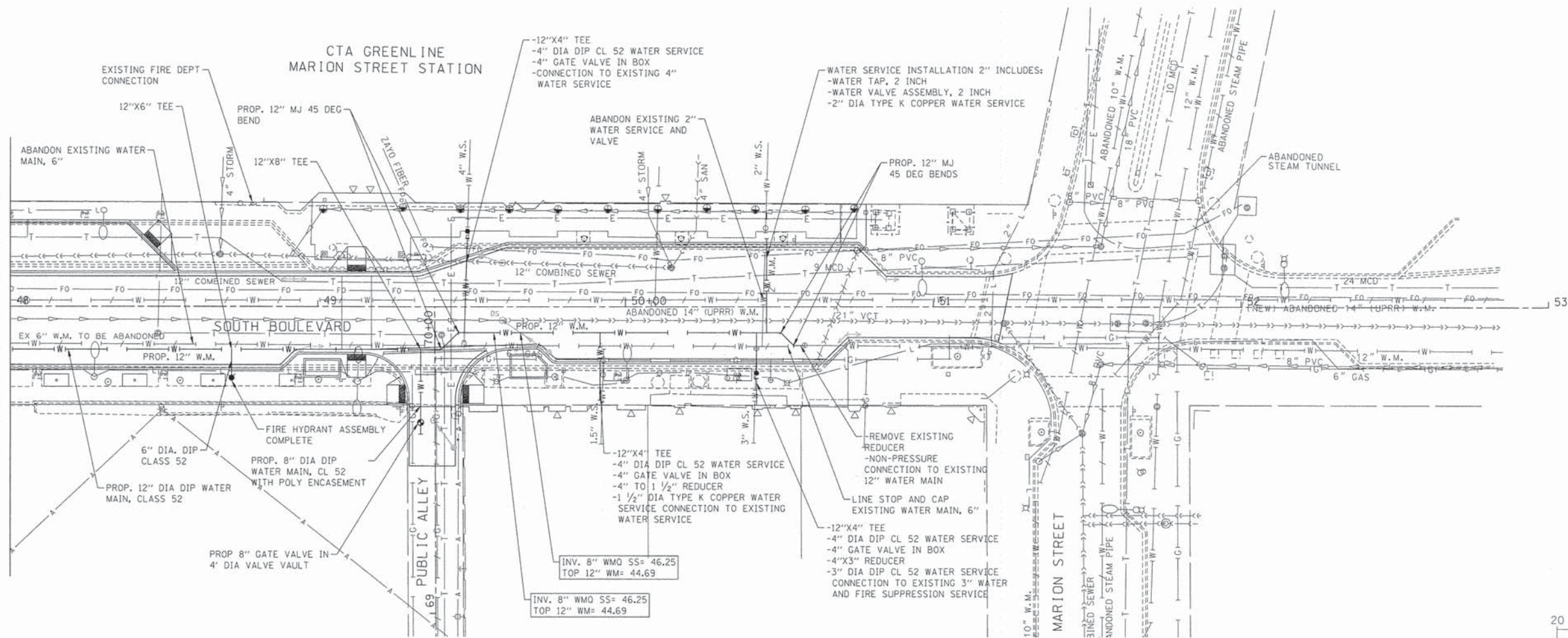
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
WATER MAIN PLAN AND PROFILE**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. BEGIN TO STA. 48+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	40
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 48+00

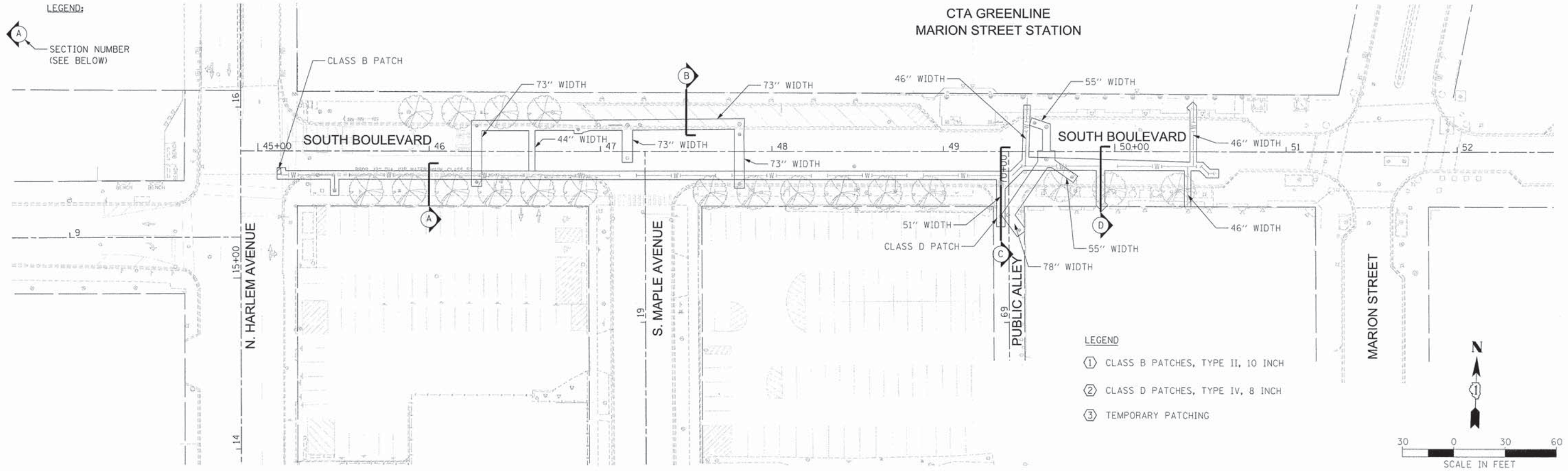


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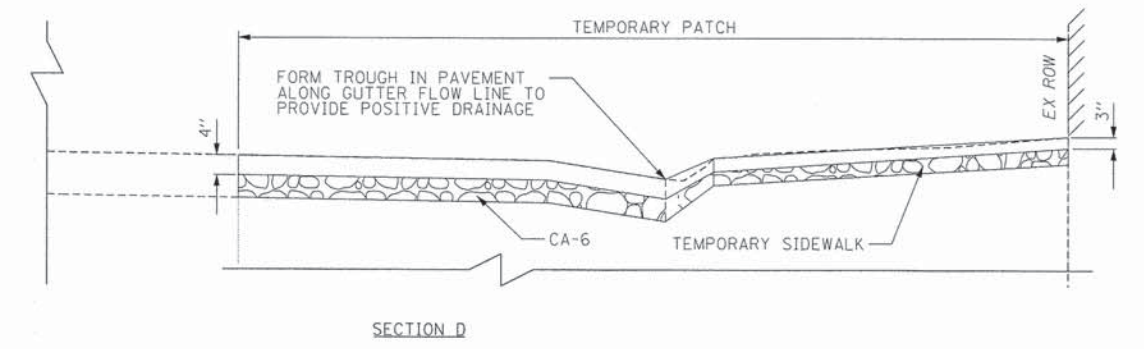
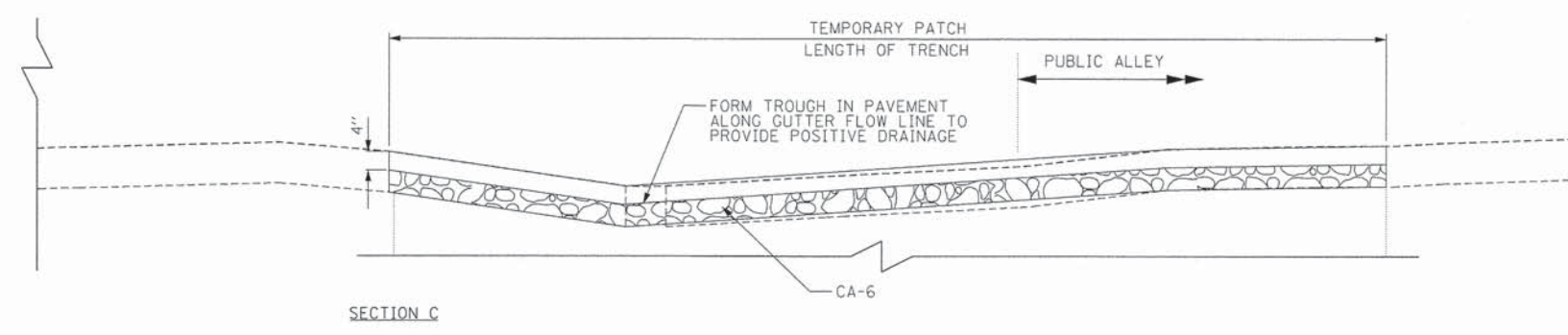
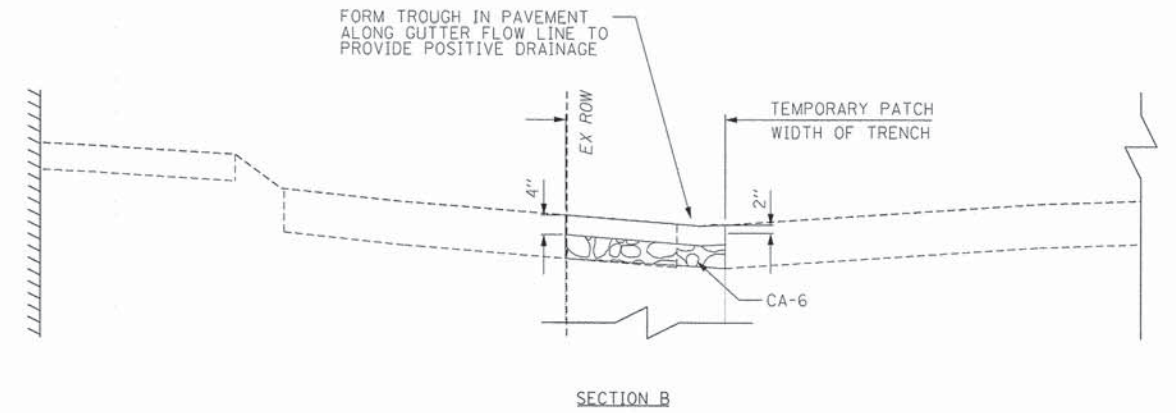
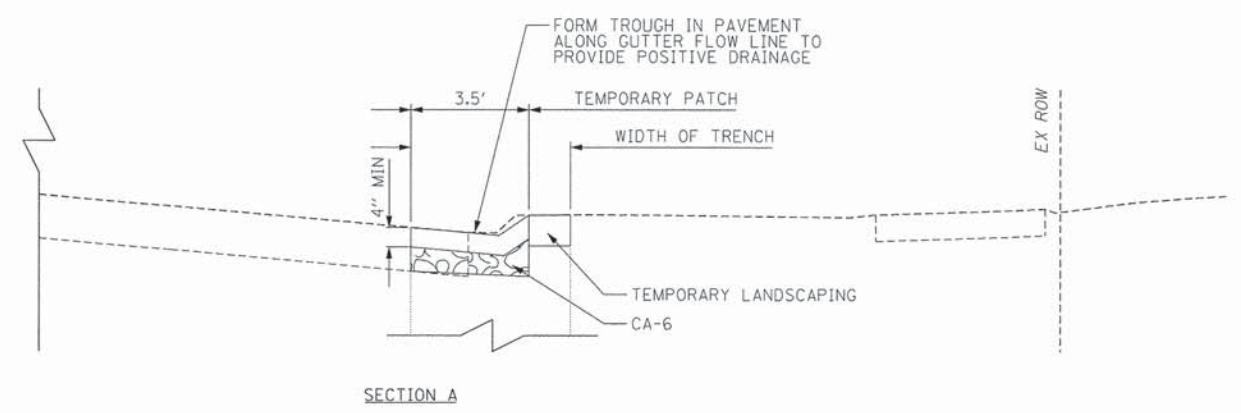
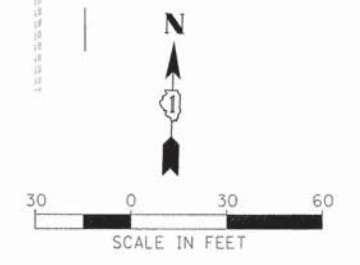
<p><b>TERRA</b> ENGINEERING LTD.</p>	USER NAME = BernardB DRAWN = SM CHECKED = DPA PLOT DATE = 9/3/2015	DESIGNED = DPA DRAWN = SM CHECKED = DPA DATE = 9/3/2015	REVISED = REVISED = REVISED = REVISED =	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS</b> <b>WATER MAIN PLAN AND PROFILE</b>	F.A. RTE.	SECTION 13-00256-00-PV	COUNTY COOK	TOTAL SHEETS 107	SHEET NO. 41	CONTRACT NO. 61899 <small>ILLINOIS FED. AID PROJECT</small>
	SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 48+00 TO STA. END										

LEGEND:  
 SECTION NUMBER  
 (SEE BELOW)

CTA GREENLINE  
 MARION STREET STATION



LEGEND  
 ① CLASS B PATCHES, TYPE II, 10 INCH  
 ② CLASS D PATCHES, TYPE IV, 8 INCH  
 ③ TEMPORARY PATCHING



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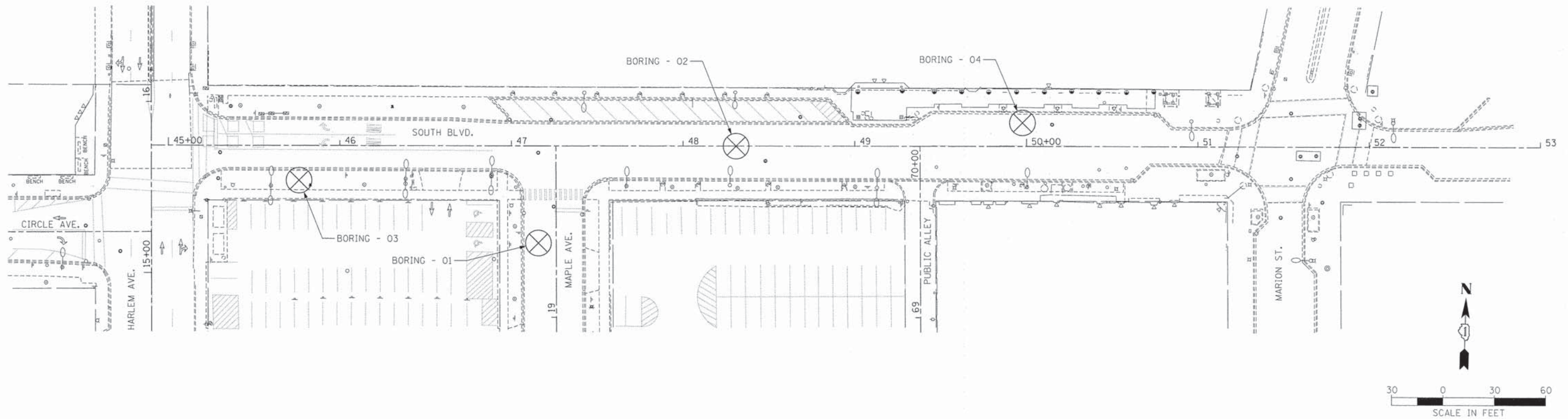
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	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 PAVEMENT PATCHING PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	42
CONTRACT NO. 61B99			ILLINOIS FED. AID PROJECT	



rubino ENGINEERING INC.		Rubino Engineering, INC. 665 Tollgate Road Unit H Elgin, Illinois 60123 Telephone: 847-931-1555 Fac: 847-931-1560		LOG OF BORING B-01		Sheet 1 of 1	
Station: N/A Offset: N/A	Drilling Method: Hollow Stem Auger	Sampling Method: Shelby Tube/Spill Spoon	Hammer Type: CME Automatic	Boring Location: South Maple Avenue	WATER LEVELS	White Drilling	NA
Project: G13.067 South Boulevard Streetscape Project	Location: South Boulevard	City, State: Oak Park, Illinois	Client: Village of Oak Park	Upon Completion	NA	Delay	NA
Elevation (feet)	Depth (feet)	Graphic Log	Sample No.	Recovery (feet)	MATERIAL DESCRIPTION	USCS Classification	STANDARD PENETRATION TEST DATA
0	0				Approximately 3 inches ASPHALT Approximately 9 inches GRAVEL BASE		
1	1		1B	1B	Brown SAND with fines; Loose	SP 9-4-3 N=7	
2	2		2B	2B	Brown and gray silty CLAY, trace sand and gravel; Medium stiff to stiff	CL 3-2-3 N=5	4% Organic Content
3	3		3B	3B	Gray silty CLAY, trace sand and gravel; Stiff	CL 5-4-7 N=11	
4	4		4B	4B	Gray gravelly SAND, fine fines; Medium Dense	SP 4-6-5 N=11	LL = 36 PL = 17
10	10				End of boring at 10 feet No free groundwater encountered during drilling operations		
Completion Depth: 10.0 ft	Date Boring Started: 11/19/13	Date Boring Completed: 11/19/13	Logged By: BS	Drilling Contractor: G.T.C.	Sample Types: Auger Cutting, Spill-Spoon, Rock Core	Latitude: Longitude: Drill Rig: CME 75	Remarks: Approximately 80 feet South of South Boulevard & 15 feet West of S. Maple Avenue CL

rubino ENGINEERING INC.		Rubino Engineering, INC. 665 Tollgate Road Unit H Elgin, Illinois 60123 Telephone: 847-931-1555 Fac: 847-931-1560		LOG OF BORING B-02		Sheet 1 of 1	
Station: N/A Offset: N/A	Drilling Method: Hollow Stem Auger	Sampling Method: Shelby Tube/Spill Spoon	Hammer Type: CME Automatic	Boring Location: South Boulevard	WATER LEVELS	White Drilling	NA
Project: G13.067 South Boulevard Streetscape Project	Location: South Boulevard	City, State: Oak Park, Illinois	Client: Village of Oak Park	Upon Completion	NA	Delay	NA
Elevation (feet)	Depth (feet)	Graphic Log	Sample No.	Recovery (feet)	MATERIAL DESCRIPTION	USCS Classification	STANDARD PENETRATION TEST DATA
0	0				Approximately 3 inches ASPHALT Approximately 5 inches GRAVEL BASE		
1	1		1B	1B	FILL: Black, brown and gray silty CLAY with sand and gravel; Stiff		
2	2		2B	2B	Brown SAND with fines; Loose	SP 13-6-8 N=14	3% Organic Content
3	3		3B	3B	Gray silty CLAY, trace sand and gravel; Stiff	CL 7-3-3 N=6	
4	4		4B	4B	Gray gravelly SAND, fine fines; Medium Dense	SP 3-3-5 N=9	LL = 26 PL = 15
10	10				End of boring at 10 feet No free groundwater encountered during drilling operations		
Completion Depth: 10.0 ft	Date Boring Started: 11/19/13	Date Boring Completed: 11/19/13	Logged By: BS	Drilling Contractor: G.T.C.	Sample Types: Auger Cutting, Spill-Spoon, Rock Core	Latitude: Longitude: Drill Rig: CME 75	Remarks: Approximately 100 feet East of S. Maple Avenue & 15 feet South of South Boulevard CL

rubino ENGINEERING INC.		Rubino Engineering, INC. 665 Tollgate Road Unit H Elgin, Illinois 60123 Telephone: 847-931-1555 Fac: 847-931-1560		LOG OF BORING B-03		Sheet 1 of 1	
Station: N/A Offset: N/A	Drilling Method: Hollow Stem Auger	Sampling Method: Shelby Tube/Spill Spoon	Hammer Type: CME Automatic	Boring Location: South Boulevard	WATER LEVELS	White Drilling	NA
Project: G13.067 South Boulevard Streetscape Project	Location: South Boulevard	City, State: Oak Park, Illinois	Client: Village of Oak Park	Upon Completion	NA	Delay	NA
Elevation (feet)	Depth (feet)	Graphic Log	Sample No.	Recovery (feet)	MATERIAL DESCRIPTION	USCS Classification	STANDARD PENETRATION TEST DATA
0	0				TOPSOIL: Black silty clay, trace sand and gravel		
1	1		1B	1B	Brown SAND with fines; Loose	SP 3-3-3 N=6	
2	2		2B	2B	Brown and gray silty CLAY, trace sand and gravel; Medium stiff	CL 5-4-2 N=6	
3	3		3B	3B	Gray silty CLAY, trace sand and gravel; Medium stiff to stiff	CL 2-2-4 N=6	LL = 44 PL = 17
4	4		4B	4B	Gray gravelly SAND, fine fines; Medium Dense	SP 4-3-5 N=5	
5	5		5B	5B	Gray silty CLAY, trace sand and gravel; Very stiff	CL 4-8-8 N=16	
6	6		6B	6B	Gray gravelly SAND, fine fines; Medium Dense	SP 4-8-9 N=17	LL = 30 PL = 16
7	7		7B	7B	Gray silty CLAY, trace sand and gravel; Stiff	CL 6-7-10 N=17	
8	8		8B	8B	Gray gravelly SAND, fine fines; Medium Dense	SP 5-11-16 N=27	
30	30				End of boring at 30 feet		
Completion Depth: 30.0 ft	Date Boring Started: 11/19/13	Date Boring Completed: 11/19/13	Logged By: BS	Drilling Contractor: G.T.C.	Sample Types: Auger Cutting, Spill-Spoon, Rock Core	Latitude: Longitude: Drill Rig: CME 75	Remarks: Approximately 145 feet West of Maple Avenue & 25 feet South of South Boulevard CL

rubino ENGINEERING INC.		Rubino Engineering, INC. 665 Tollgate Road Unit H Elgin, Illinois 60123 Telephone: 847-931-1555 Fac: 847-931-1560		LOG OF BORING B-04		Sheet 1 of 1	
Station: N/A Offset: N/A	Drilling Method: Hollow Stem Auger	Sampling Method: Shelby Tube/Spill Spoon	Hammer Type: CME Automatic	Boring Location: South Boulevard	WATER LEVELS	White Drilling	NA
Project: G13.067 South Boulevard Streetscape Project	Location: South Boulevard	City, State: Oak Park, Illinois	Client: Village of Oak Park	Upon Completion	NA	Delay	NA
Elevation (feet)	Depth (feet)	Graphic Log	Sample No.	Recovery (feet)	MATERIAL DESCRIPTION	USCS Classification	STANDARD PENETRATION TEST DATA
0	0				Approximately 3 inches ASPHALT Approximately 4 inches GRAVEL BASE		
1	1		1B	1B	FILL: Black, brown and gray silty CLAY with sand and gravel		
2	2		2B	2B	Brown SAND with fines; Loose to medium dense	CL 13-11-5 N=19	
3	3		3B	3B	Brown and gray silty CLAY, trace sand and gravel; Medium stiff to stiff	CL 7-3-5 N=6	
4	4		4B	4B	Brown SAND with fines; Medium dense	SP 3-3-5 N=6	LL = 45 PL = 21
10	10				End of boring at 10 feet No free groundwater encountered during drilling operations		
Completion Depth: 10.0 ft	Date Boring Started: 11/19/13	Date Boring Completed: 11/19/13	Logged By: BS	Drilling Contractor: G.T.C.	Sample Types: Auger Cutting, Spill-Spoon, Rock Core	Latitude: Longitude: Drill Rig: CME 75	Remarks: Approximately 270 feet East of S. Maple Avenue & 15 feet North of South Boulevard CL

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DESIGNED - BCB  
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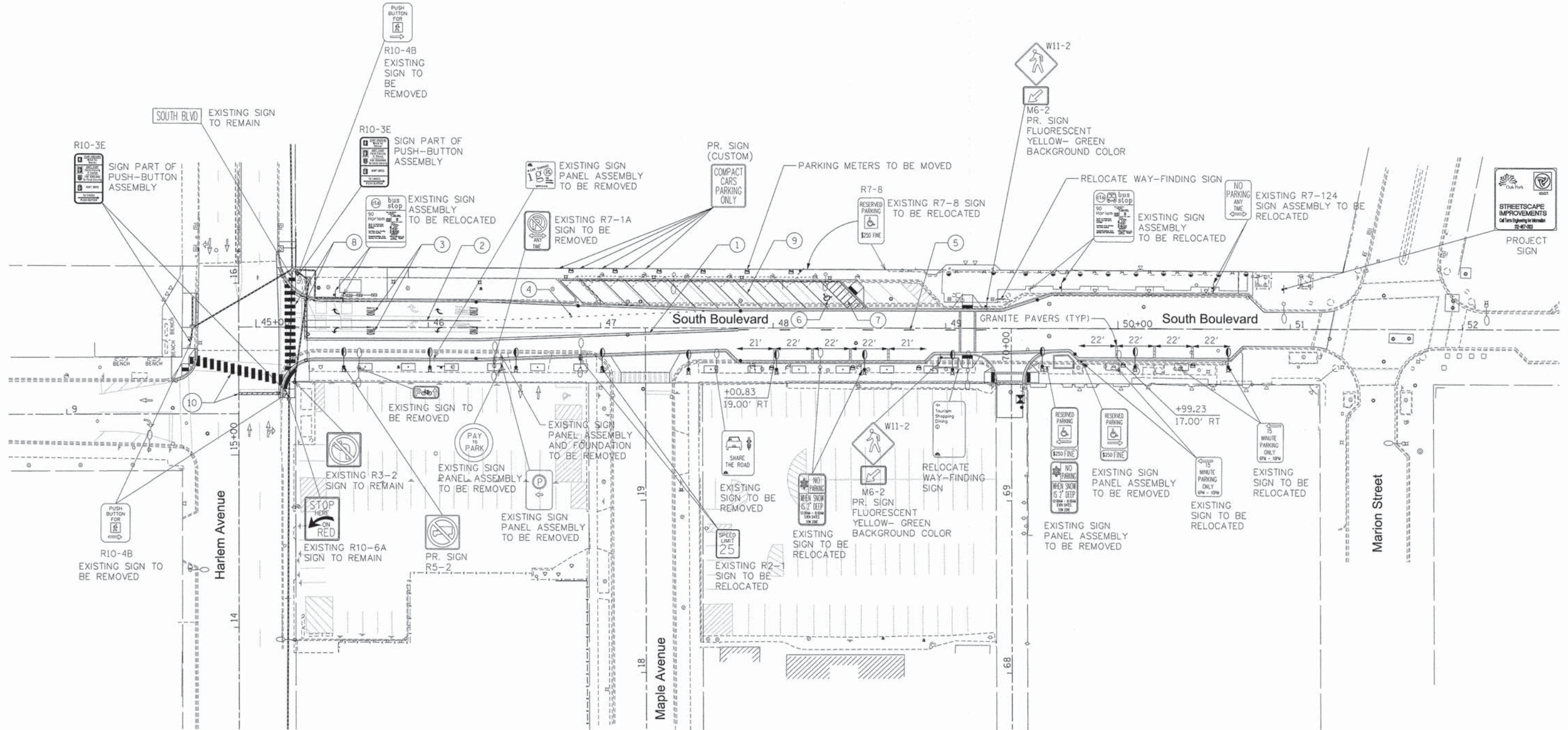
REVISIONS  
REVISOR  
DATE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SOIL BORING INFORMATION

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

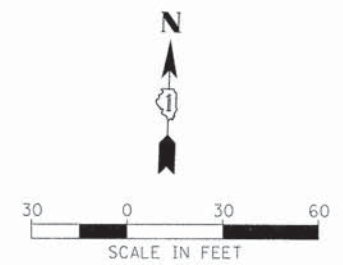
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	43
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



- PAVEMENT MARKING LEGEND**
- ① 2-4" PAINT YELLOW SOLID LINES @ 11" C-C
  - ② 6" PAINT WHITE SOLID LINE
  - ③ PAINT WHITE LETTERS AND SYMBOLS
  - ④ 6" PAINT WHITE SKIP DASH LINE (2' DASH, 6' SKIP)
  - ⑤ 4" PAINT YELLOW SKIP DASH LINE (10' DASH, 30' SKIP)
  - ⑥ POLYUREA WHITE LETTERS AND SYMBOLS
  - ⑦ 12" POLYUREA YELLOW SOLID LINE
  - ⑧ 24" POLYUREA WHITE SOLID LINE
  - ⑨ 4" POLYUREA YELLOW SOLID LINE
  - ⑩ 24" THERMOPLASTIC WHITE SOLID LINE

**PAVEMENT MARKING NOTES**

1. FOR PAVEMENT MARKING DETAILS, SEE SPECIAL DETAIL SHEET FOR "DISTRICT ONE TYPICAL PAVEMENT MARKINGS."



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USER NAME = BernardB	DESIGNED - BCB	REVISED -
DRAWN - BCB	REVISIONS -	
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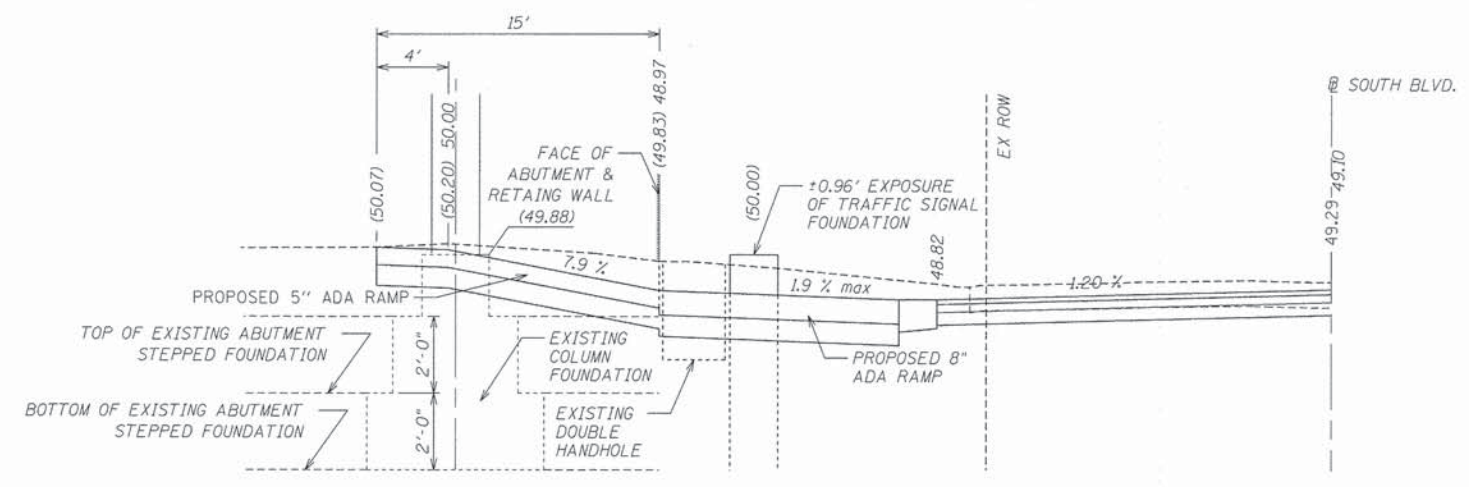
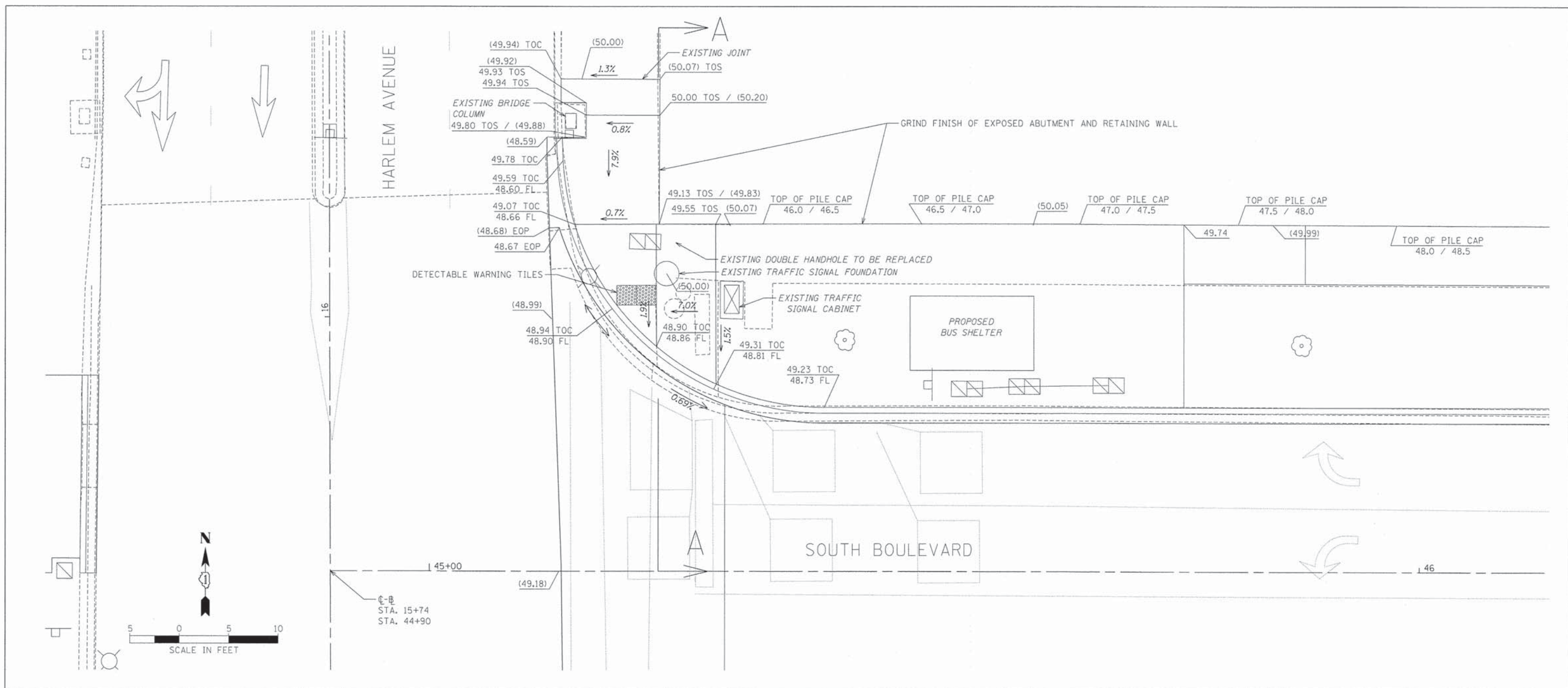
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS**  
**PAVEMENT MARKING AND SIGNING PLAN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	44
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

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SECTION A-A

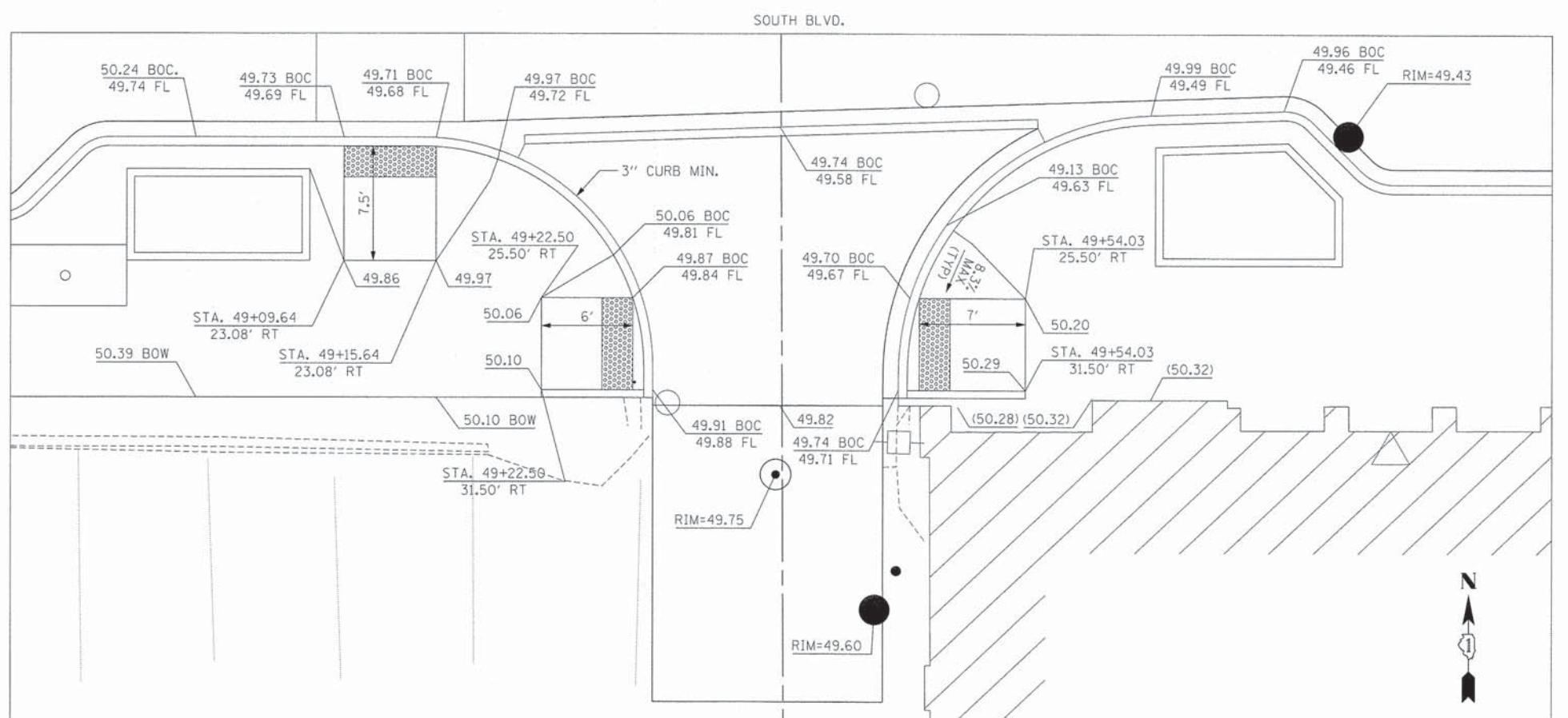
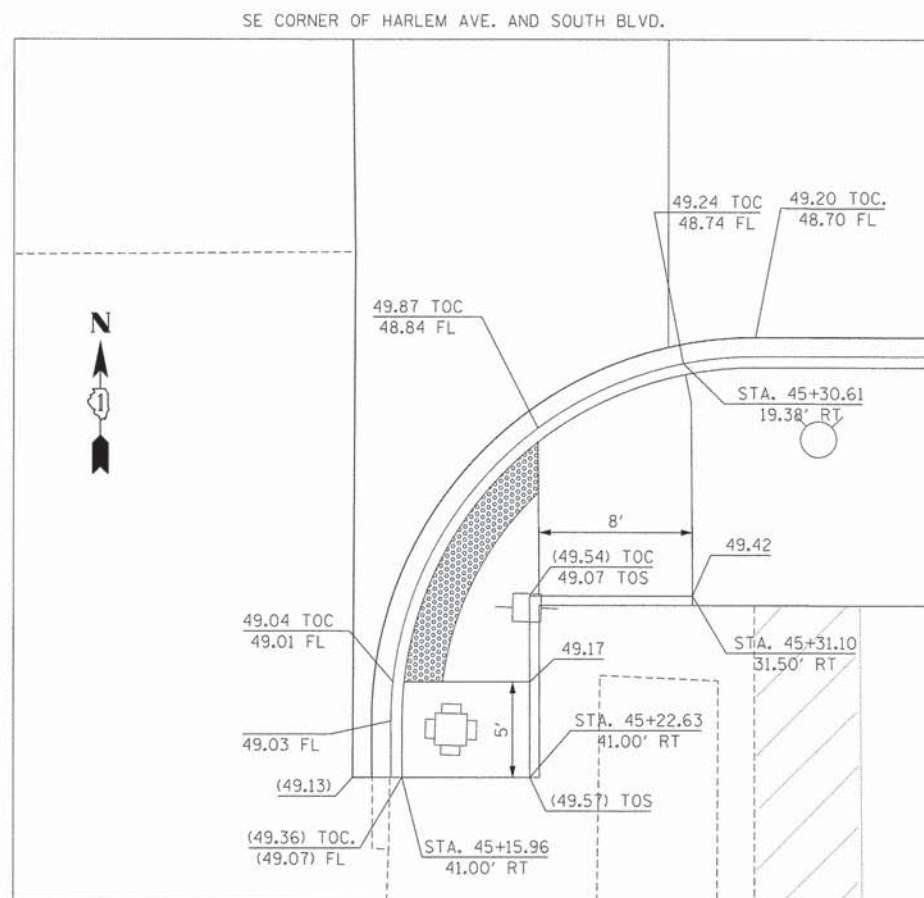
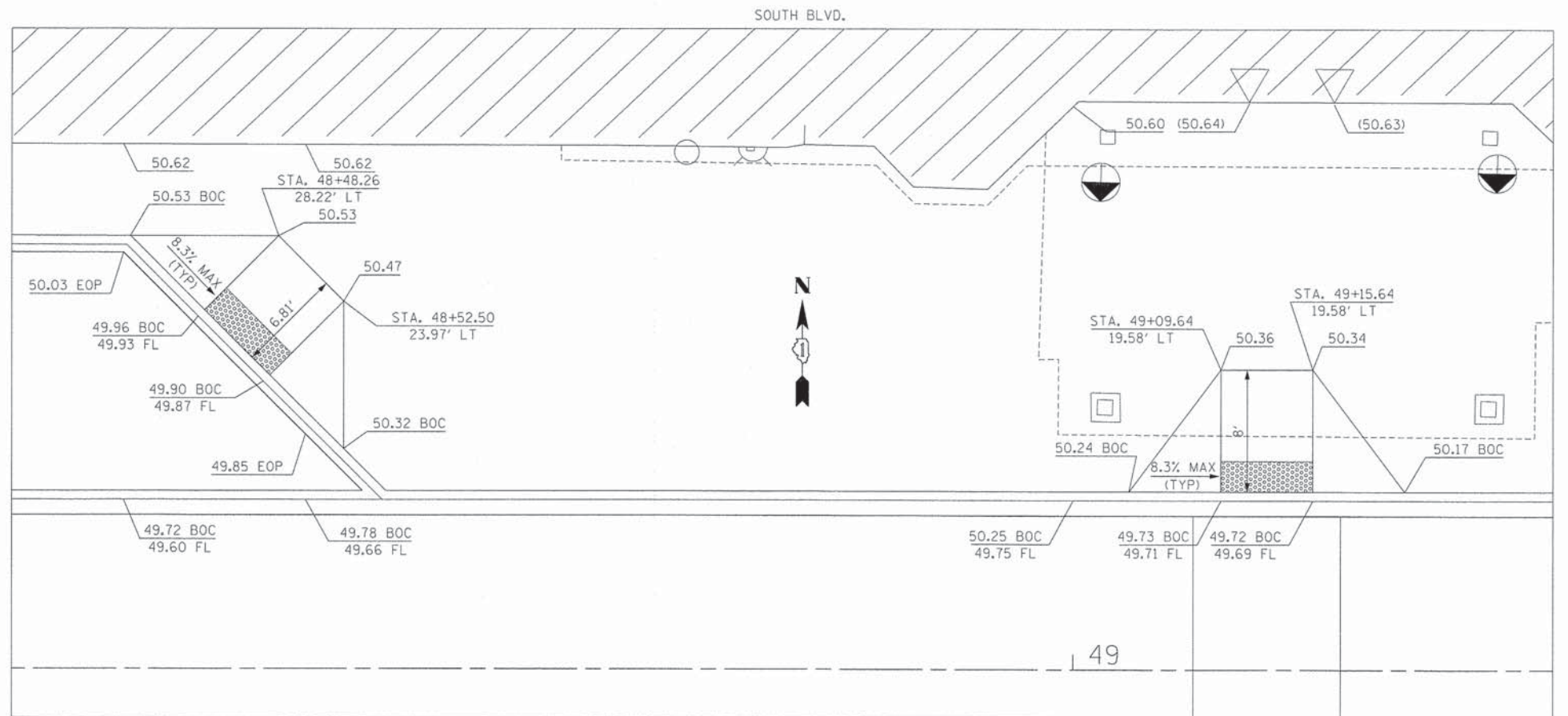
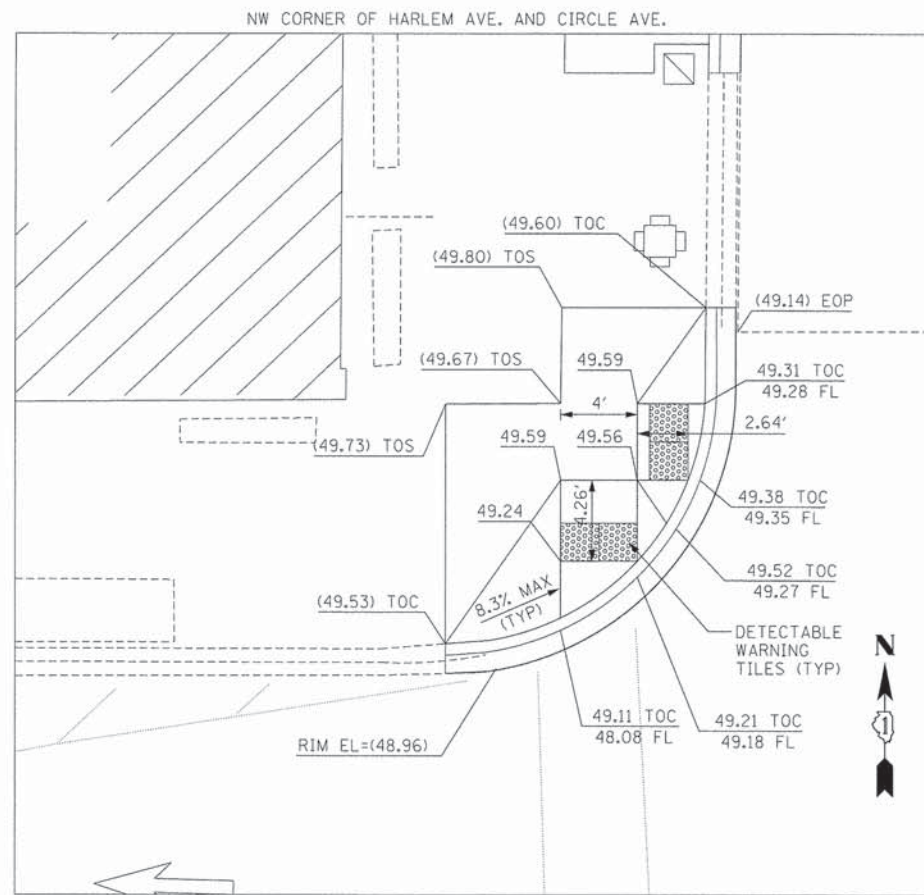


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	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
ADA RAMP DETAILS  
SCALE: 1"=5' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	45
CONTRACT NO. 61B99			ILLINOIS FED. AID PROJECT	



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PLLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
ADA RAMP DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	46
CONTRACT NO. 61899				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=5' SHEET 2 OF 2 SHEETS STA. TO STA.

SEE PLANS AND SPECIFICATIONS FOR SURFACE RESTORATION

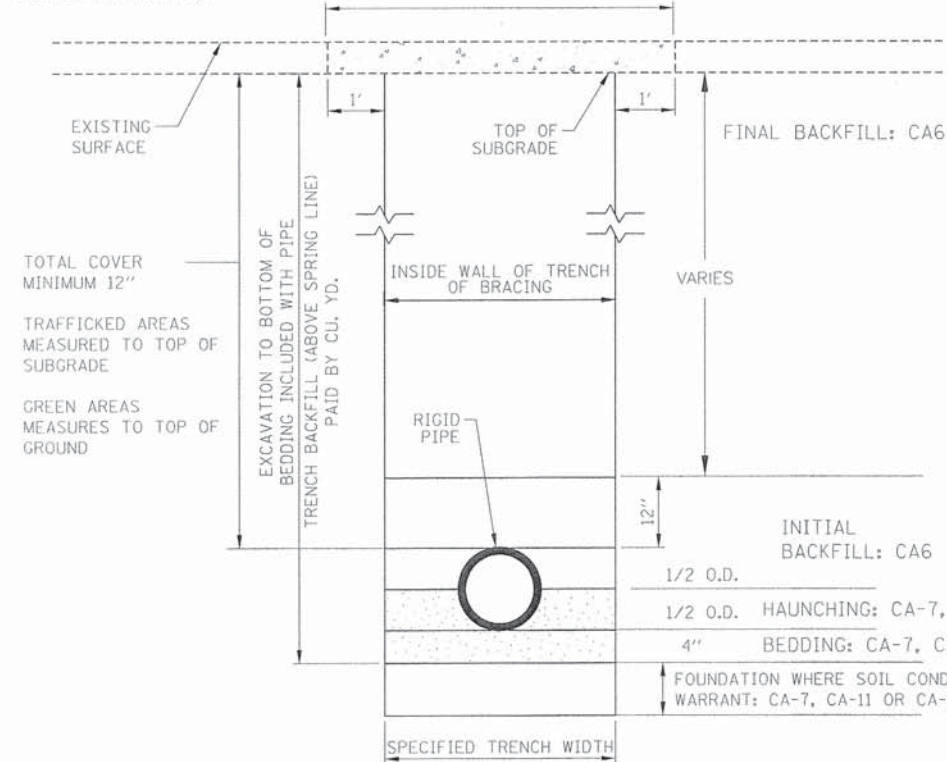
WIDTH OF PERMANENT PAVEMENT REMOVAL AND REPLACEMENT FOR PAYMENT

SEE PLANS AND SPECIFICATIONS FOR SURFACE RESTORATION

WIDTH OF PERMANENT PAVEMENT REMOVAL AND REPLACEMENT FOR PAYMENT

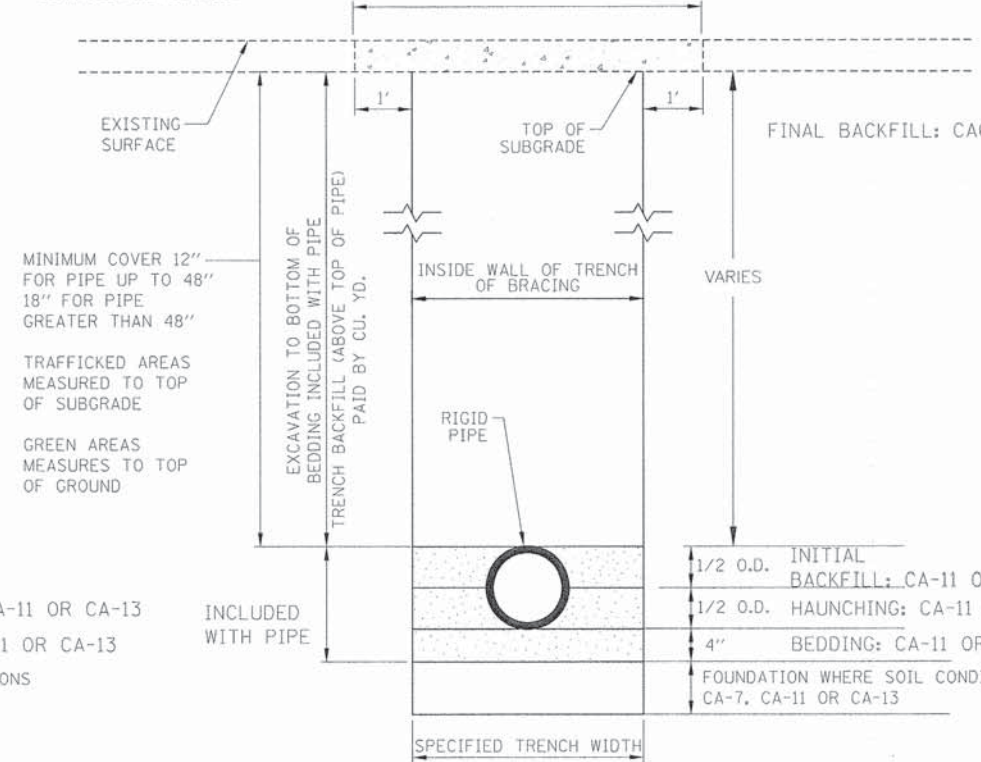
SEE PLANS AND SPECIFICATIONS FOR SURFACE RESTORATION

WIDTH OF PERMANENT PAVEMENT REMOVAL AND REPLACEMENT FOR PAYMENT



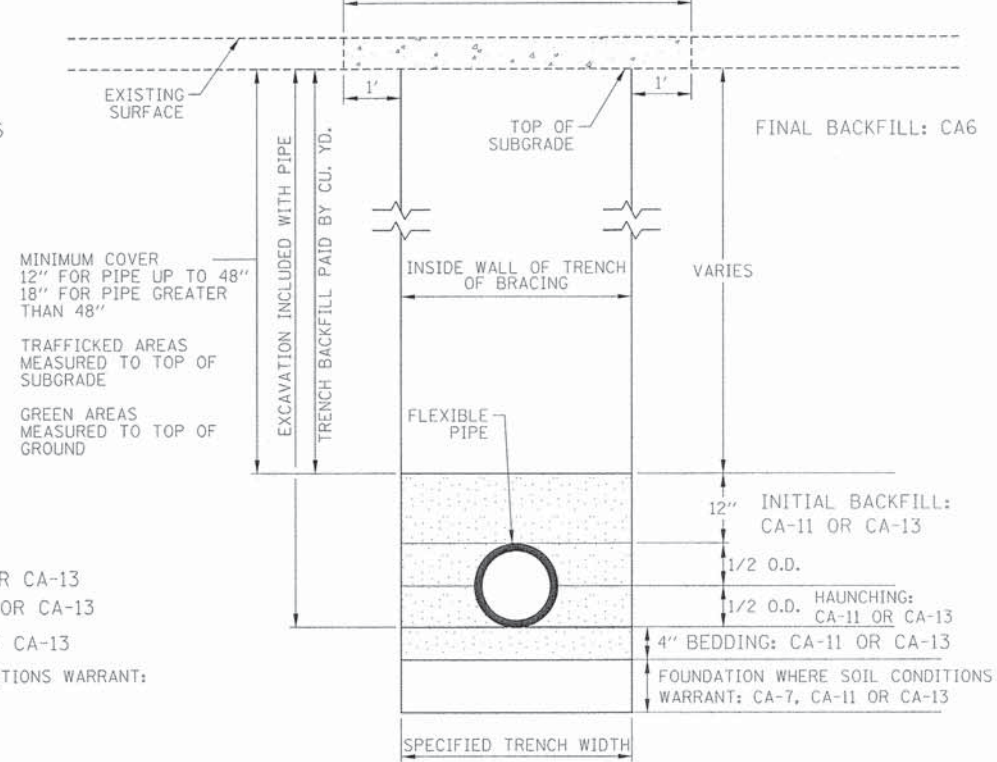
WATER MAIN INSTALLATION DETAIL

N.T.S.



RIGID SEWER PIPE INSTALLATION DETAIL

N.T.S.



FLEXIBLE SEWER PIPE INSTALLATION DETAIL

N.T.S.

NOTE:  
BEDDING AND HAUNCHING SHALL BE INCLUDED IN THE COST OF ALL WATER MAIN PIPE

TRENCH DEPTH/PROTECTION	REQUIRED TRENCH WIDTH ON EACH SIDE OF THE PIPE
5 FT AND LESS, WITHOUT PROTECTION	12 IN.
5 FT AND LESS, WITH PROTECTION	18 IN.
GREATER THAN 5 FT	18 IN.

THE TRENCH SHALL BE EXCAVATED SO THAT VERTICAL FACES ARE MAINTAINED AT LEAST TO THE ELEVATION OF THE TOP OF THE PIPE.

STORM, SANITARY AND WATER

NOTE:  
BEDDING AND HAUNCHING SHALL BE INCLUDED IN THE COST FOR ALL SEWER PIPE

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USER NAME: Kurlv	DESIGNED: BCB	REVISED:
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PLOT DATE: 9/28/2015	CHECKED: DPA	REVISED:
	DATE: 9/28/2015	REVISED:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

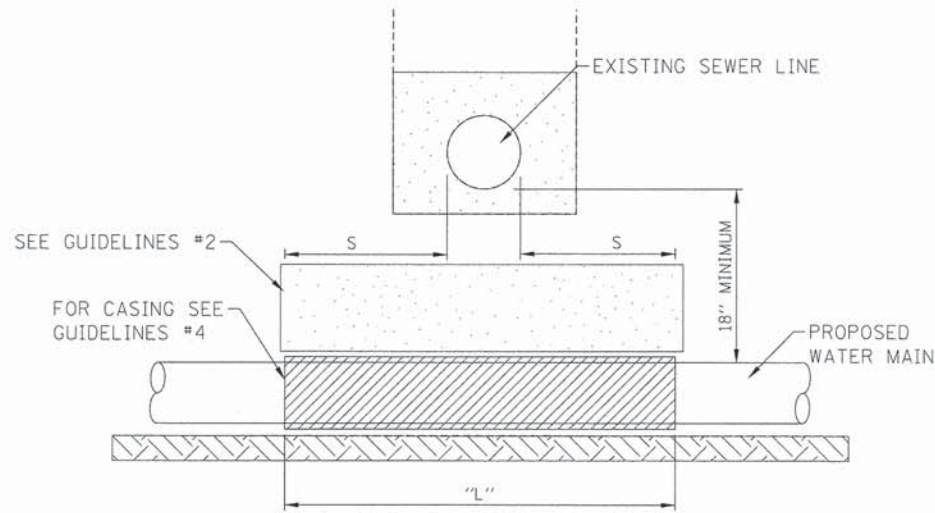
VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
PROPOSED TRENCH DETAILS

SCALE: 1"=5' SHEET 1 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	47
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

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

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

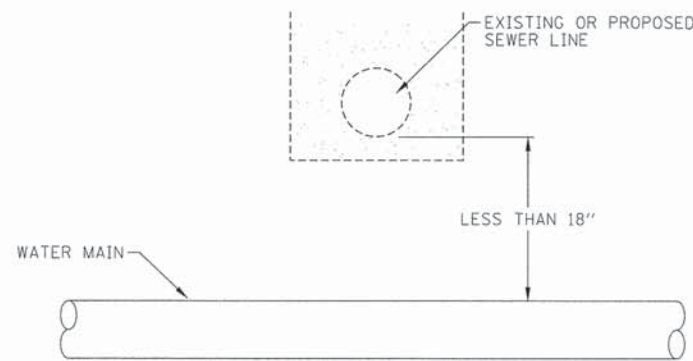
**GUIDELINES**

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L"
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

**WATER AND SEWER VERTICAL SEWER BELOW SEPARATION**

N.T.S.

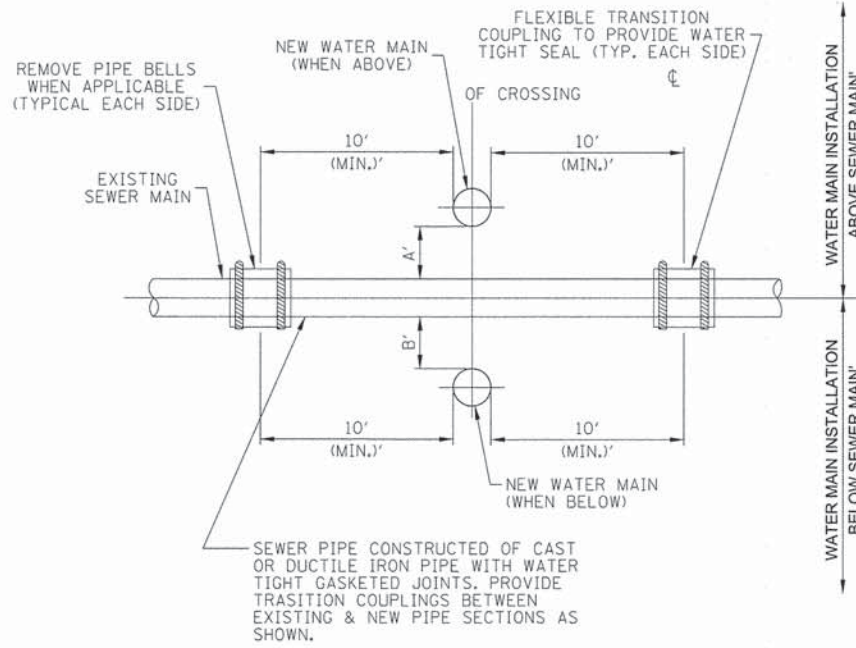
PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. NOT ALLOWED.



NOT ALLOWED • MUST MAINTAIN 18" VERTICAL SEPARATION

**WATER AND SEWER VERTICAL SEWER BELOW SEPERATION**

N.T.S.

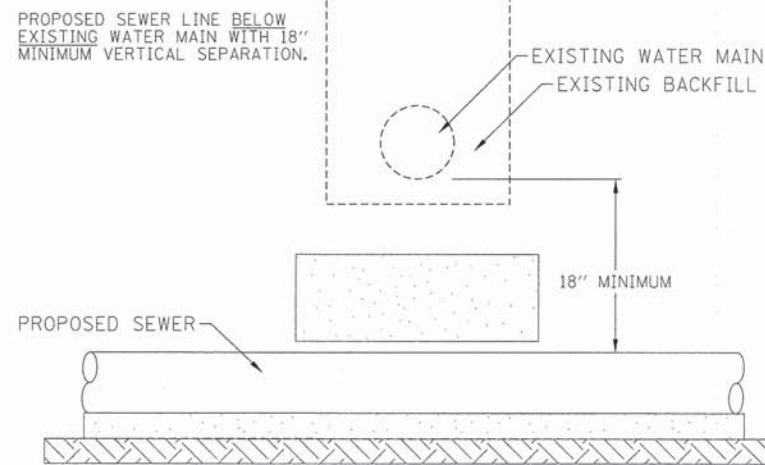


NOTE:

- A. WHEN THE VERTICAL SEPARATION DISTANCE IS LESS THAN 18" ABOVE EXISTING SEWER, A MINIMUM OF 6" OF VERTICAL SEPARATION MUST BE MAINTAINED, THE SEWER MUST BE CONSTRUCTED OF DUCTILE IRON OR OTHER WATER MAIN QUALITY PIPE WITH WATER TIGHT JOINTS FOR A DISTANCE OF 10' HORIZONTALLY EITHER SIDE OF CROSSING POINT WITH WATER MAIN.
- B. A MINIMUM 18" OF VERTICAL SEPARATION BETWEEN WATER MAIN AND SEWER IS REQUIRED WHENEVER A NEW SEWER CROSSES ABOVE AN EXISTING WATER MAIN; OR, WHENEVER A NEW WATER MAIN CROSSES ABOVE AN EXISTING SEWER. THE EXISTING OR NEW SEWER MUST BE CONSTRUCTED OF DUCTILE IRON PIPE OR OTHER WATER MAIN QUALITY PIPE WITH WATER TIGHT JOINTS FOR A MINIMUM DISTANCE OF 10' APART (HORIZONTALLY).

**SEPARATION BETWEEN WATER AND SEWER MAINS**

N.T.S.

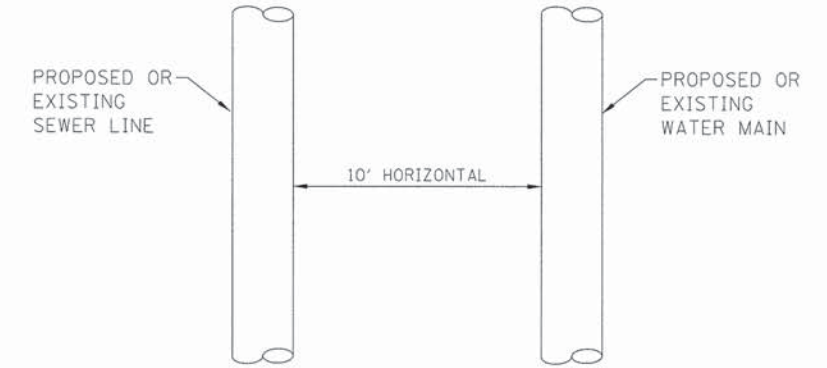


**GUIDELINES**

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

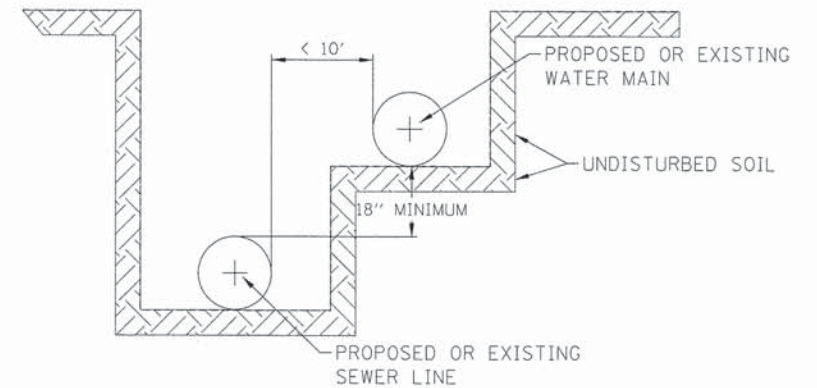
**WATER AND SEWER VERTICAL SEWER BELOW 18 IN. MINIMUM SEPERATION**

N.T.S.



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

**PLAN VIEW**



WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER OR (SEWER), BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF WATER MAIN QUALITY PIPE. SEE ARTICLE 41-2.01B(2)

**WATER AND SEWER HORIZONTAL SEPERATION**

N.T.S.

M:\SOUTH BLVD OakPark TCSP 03-227\DESIGN\CIVIL\GARD Sheets\IMPORTED FILES FROM PROJECT\ISE\0105227-1ht-detailed.dgn Dr Paul S.



USER NAME = BernardB	DESIGNED - BCB	REVISED -
PLOT SCALE = 5.0000' / 1in.	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SEWER AND WATER SEPARATION DETAILS

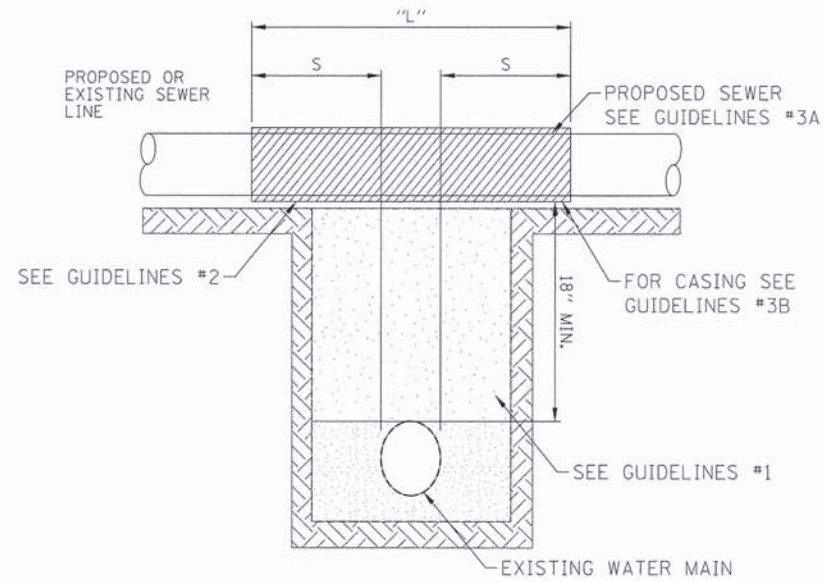
SCALE: 1"=5' SHEET 2 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	48
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



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

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

GUIDELINES:

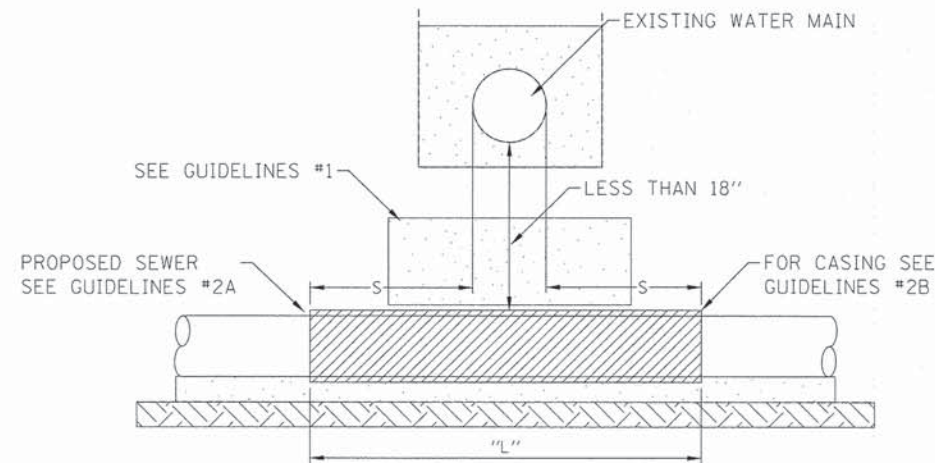
1. IF SELECT GRANULAR BACKFILL EXISTS; REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF THE "L" FEET.
3. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;  
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

WATER AND SEWER SEPARATION PROPOSED SEWER BELOW

N.T.S.

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

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING WATER MAIN

GUIDELINES

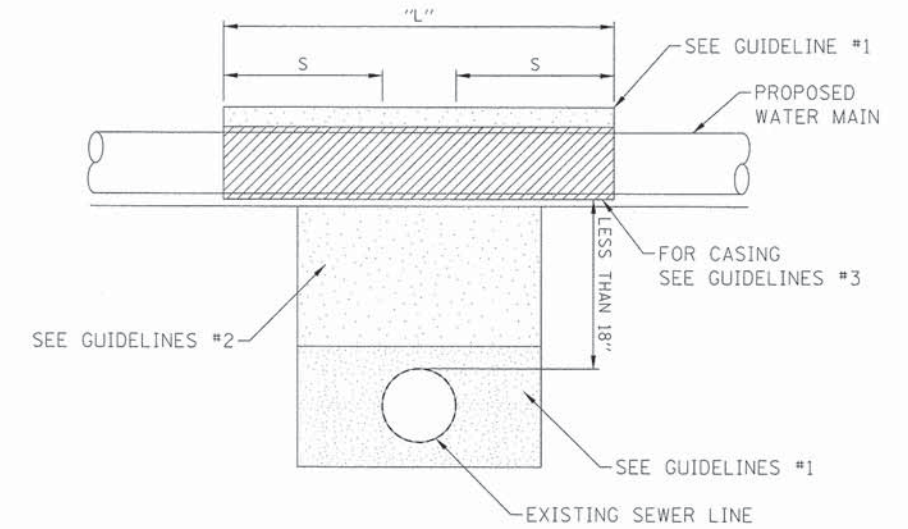
1. OMIT SELECTED GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;  
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

WATER AND SEWER VERTICAL WATER BELOW SEPERATION

N.T.S.

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

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

GUIDELINES:

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L"
2. IF SELECTED GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER.

WATER AND SEWER SEPARATION PROPOSED WATER ABOVE

N.T.S.

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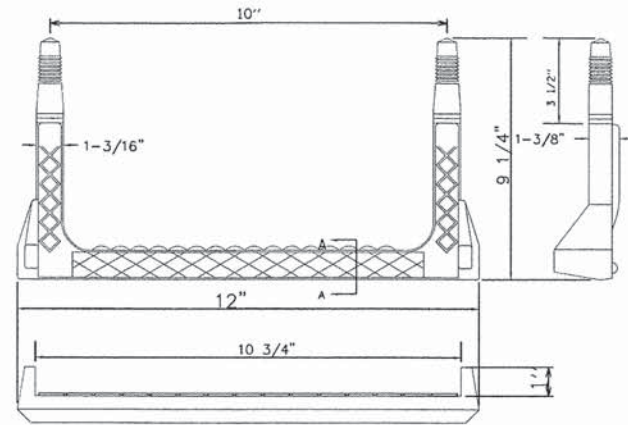
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PLOT SCALE = 5,0000' / 1"	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

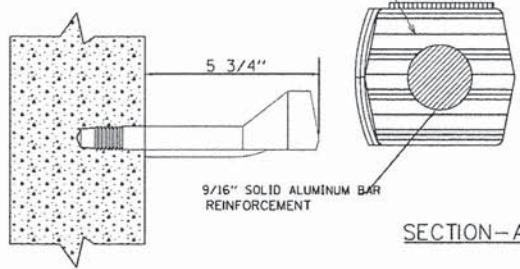
VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SEWER AND WATER SEPARATION DETAILS

SCALE: 1"=5' SHEET 3 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	49
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



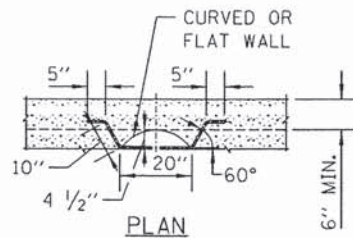
COPOLYMER POLYPROPYLENE PLASTIC



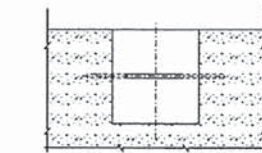
STEP LADDER RUNG

NOTES:

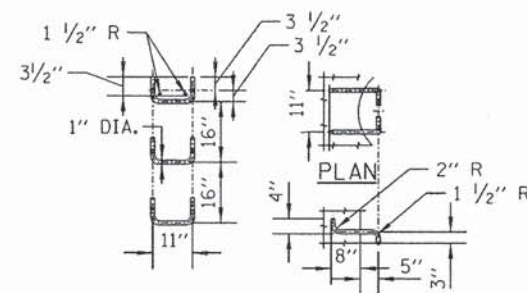
1. VERTICAL SPACING = 16" O.C., ON VERTICAL WALL ONLY.
2. STEPS TO PROTRUDE MINIMUM 5" FROM FACE OF STRUCTURE WALL.
3. STEPS SHALL MEET THE REQUIREMENTS OF ASTM C478 IN ADDITION TO A HORIZONTAL PULL-OUT LOAD OF 1000 LBS. WHEN INSTALLED.
4. ALL STEPS SHALL BE VERTICALLY ALIGNED IN A STRAIGHT LINE.
5. NO STEPS LOCATED INSIDE MANHOLE CHIMNEY.
6. MINIMUM CONCRETE STRENGTH MUST BE 3000 PSI
7. HOLES- PREFORMED/DRILLED
  - A. HOLES MUST BE PARALLEL
  - B. HOLES MUST BE 10" CENTERED, 1" DIAMETER
  - C. MINIMUM DEPTH- 3 1/2" TO 3 3/4"



PLAN

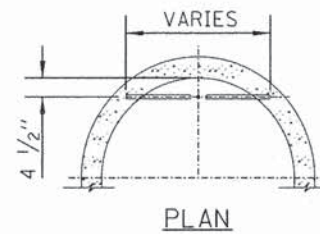


ELEVATION TYPE X

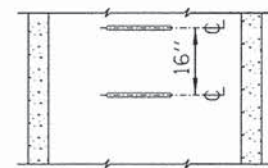


SPACING ELEVATION HANDHOLD-TYPE Z RUNG

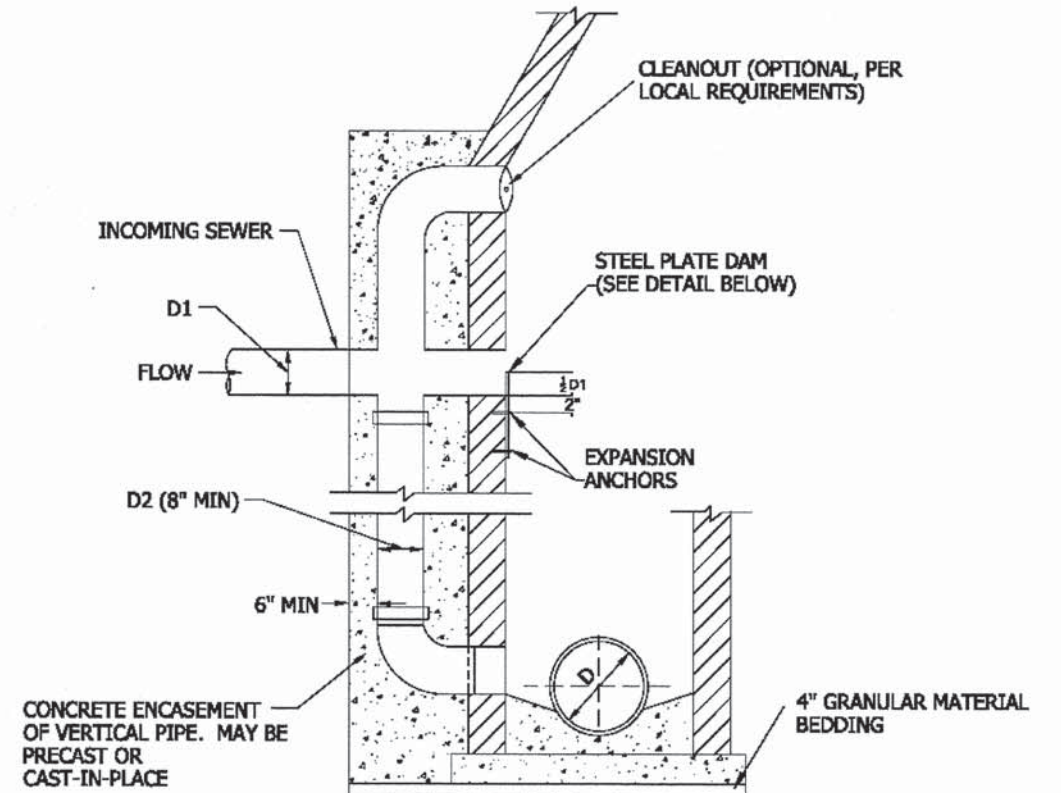
LADDER RUNGS N.T.S.



PLAN



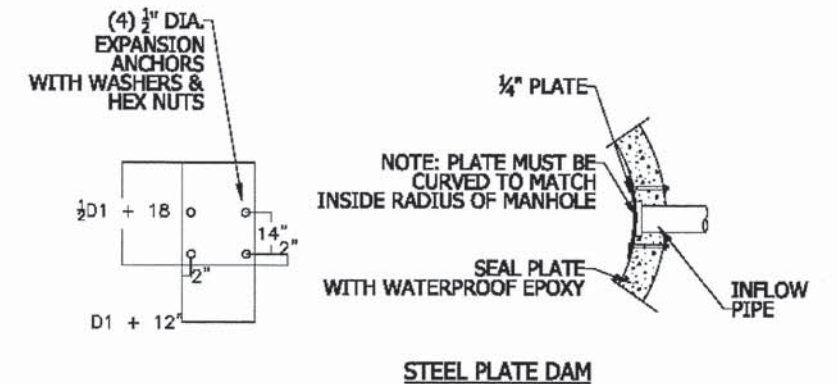
ELEVATION TYPE Y



NOTES:

1. REQUIRED FOR 2FT. OR GREATER DROP TO SANITARY OR COMBINED SEWER.
2. MINIMUM WALL THICKNESS IS 6" FOR CAST IN PLACE CONCRETE STRUCTURES AND 1/12 MANHOLE DIAMETER FOR PRECAST CONCRETE STRUCTURES.
3. CONCRETE FOR ENCASEMENT SHALL BE 4,000 PSI @ 28 DAYS.
4. FORCEMAIN FLOW NOT ALLOWED AS INCOMING SEWER, SEE FORCEMAIN DISCHARGE DETAIL.

DIAMETER (INCHES)	
D1	D2
6	8
8	8
10	8
12	8
15	10
18	12
21	15
24	18



NOTES:

1. PLATE AND FASTENERS MUST BE FABRICATED IN STAINLESS STEEL, DUCTILE IRON, OR EQUIVALENT WATERPROOF/WEATHER PROOF MATERIALS.
2. BOLTS TACK WELDED TO PLATE.
3. ANCHOR EMBEDMENT: 3" MIN.

TYPICAL DROP MANHOLE CONNECTION N.T.S.

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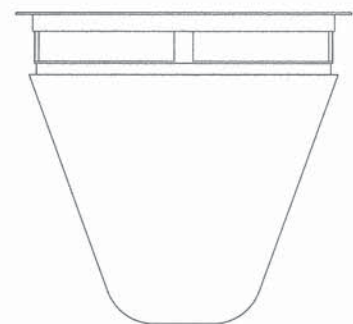
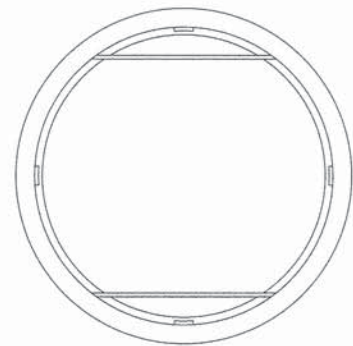
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	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

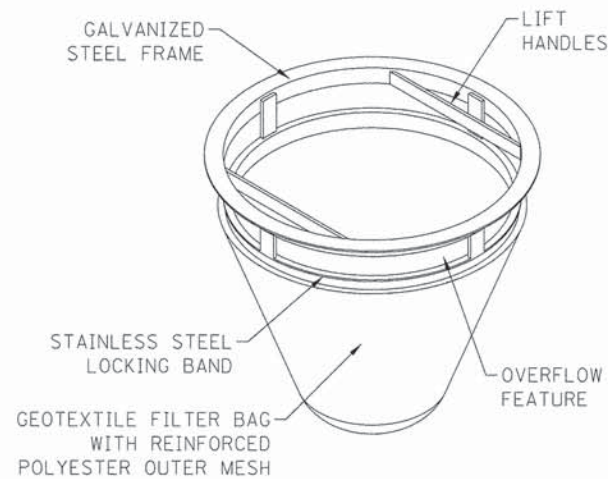
VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SEWER STRUCTURE DETAILS

SCALE: 1"=5' SHEET 4 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	50
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

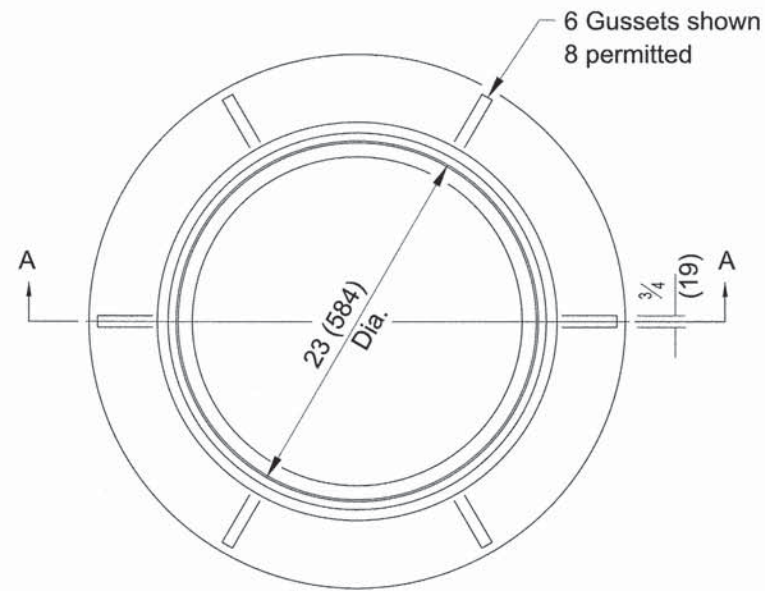


NOTE:  
TEMPORARY INLET SEDIMENT FILTER TO BE INSTALLED ON ALL CATCH BASINS AND STORM INLETS.

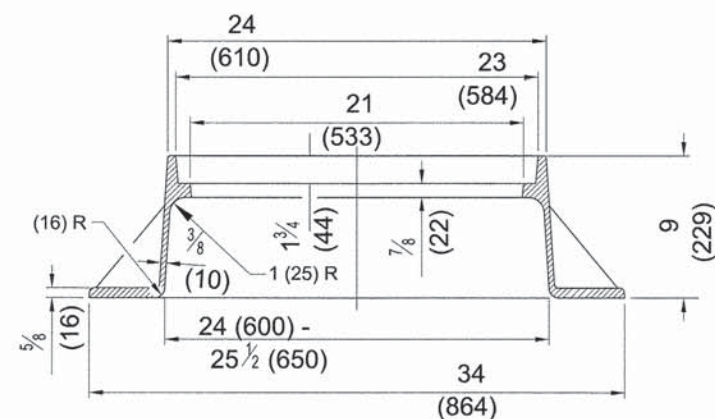


INLET PROTECTION-FILTER BASKET

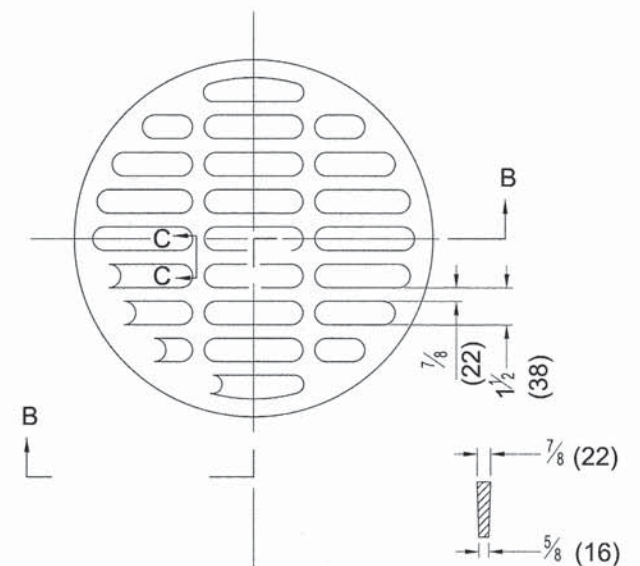
N.T.S.



CAST FRAME



SECTION A-A  
GRAY IRON



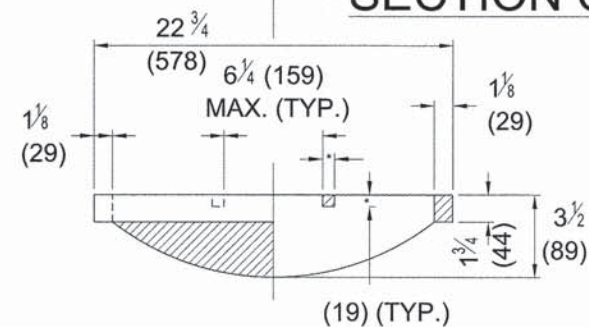
SECTION B-B  
CAST OPEN LID

FRAMES AND LIDS

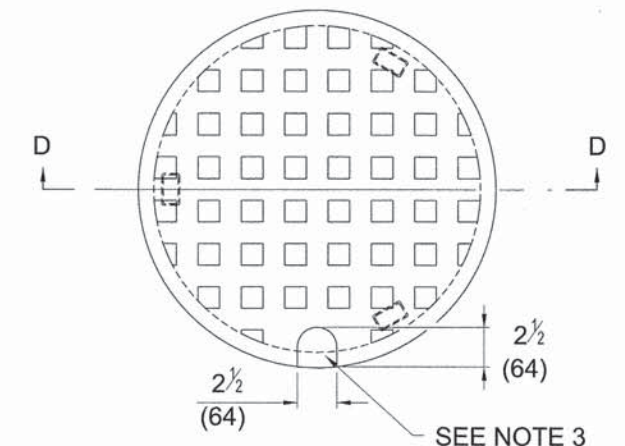
N.T.S.

NOTE:

- 1) ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- 2) SIMILAR TO IDOT STANDARD 6040001-03 FRAME AND LIDS TYPE 1.
- 3) LIDS SHALL HAVE CLOSED PICK HOLES.
- 4) WATER STRUCTURED SHALL HAVE "WATER" CAST ON THE LID
- 5) SEWER STRUCTURES SHALL HAVE "SANITARY" CAST ON THE LID



SECTION C-C



SECTION D-D  
CAST CLOSED LID

GRAY IRON LID

(3) STACKING LUGS AT 120° (OPTIONAL)

SEE NOTE 3

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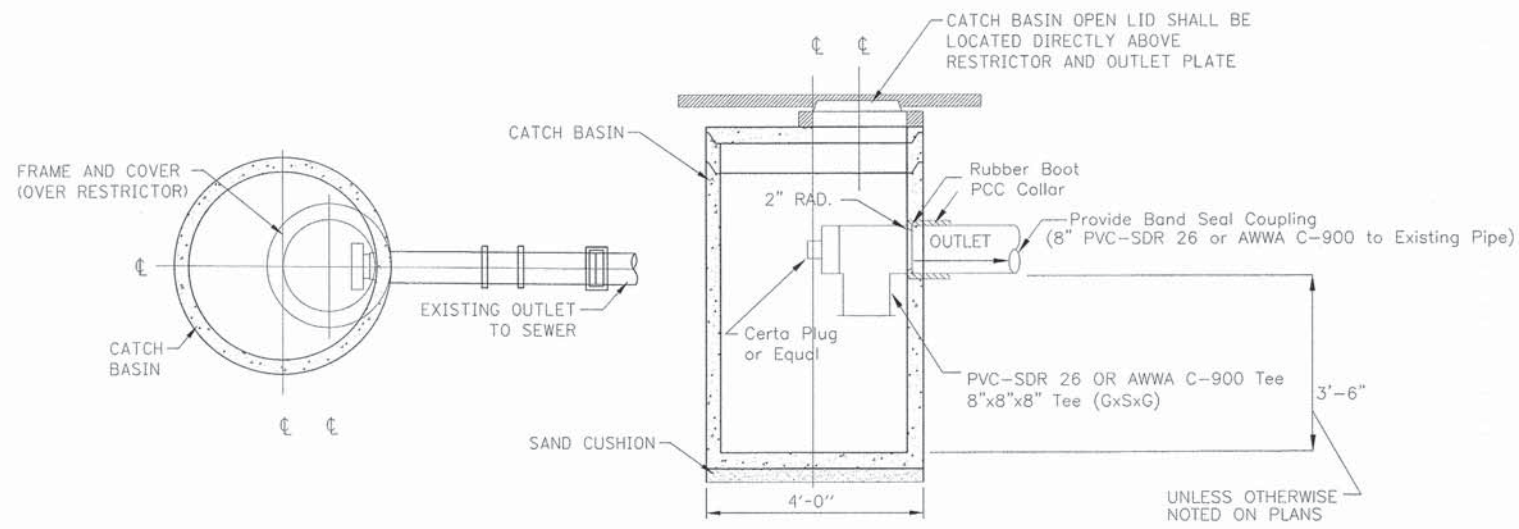
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DRAWN - BCB	REVISOR -	
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PLOT DATE = 9/3/2015	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SEWER AND WATER DETAILS

SCALE: 1"=5' SHEET 5 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	51
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



FLAT TOP CATCH BASIN WITH TRAP  
N.T.S.

ALTERNATE MATERIALS FOR WALLS	T (min)
Precast Reinforced Concrete Section	3 (75)
Concrete Masonry Unit	5 (125)
Cast-in-Place Concrete	6 (150)
Brick Masonry	8 (200)

**GENERAL NOTES**

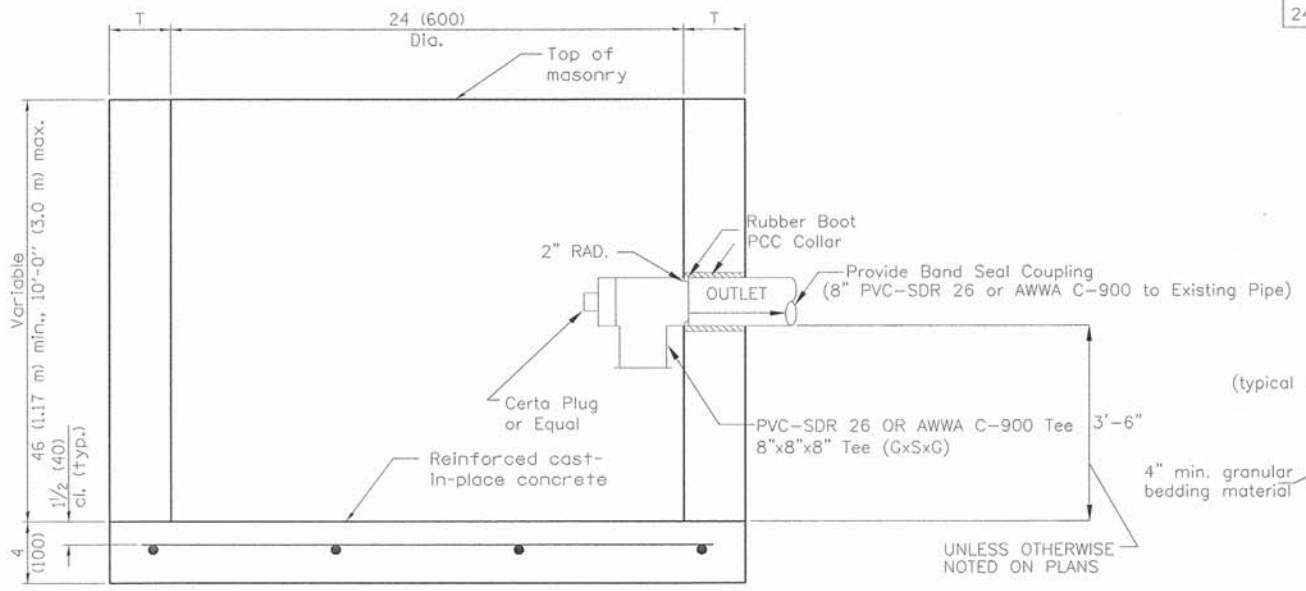
THIS STRUCTURE INSTALLATION SHALL BE LIMITED TO LOCATIONS WITH HORIZONTAL AND/OR VERTICAL CONFLICTS THAT PRECLUDE USE OF TYPE A CATCH BASIN

THE HALF TRAP SHALL BE PROVIDED WHENEVER THE OUTLET FROM A TYPE C CATCH BASIN DOES NOT LEAD TO A CATCH BASIN.

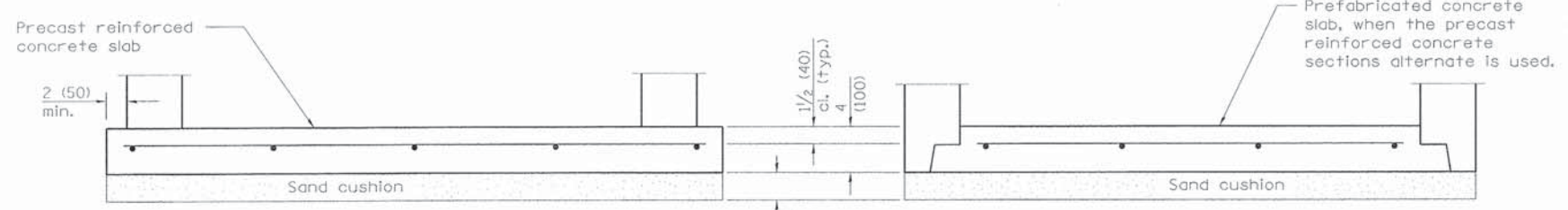
BOTTOM SLABS SHALL BE REINFORCED WITH A MINIMUM OF 0.27 SQ. IN./FT. (570 SQ. MM/M) IN BOTH DIRECTIONS WITH A MAXIMUM SPACING OF 9 (230).

BOTTOM SLABS MAY BE CONNECTED TO THE RISER AS DETERMINED BY THE FABRICATOR; HOWEVER, ONLY A SINGLE ROW OF REINFORCEMENT AROUND THE PERIMETER MAY BE UTILIZED.

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



ELEVATION



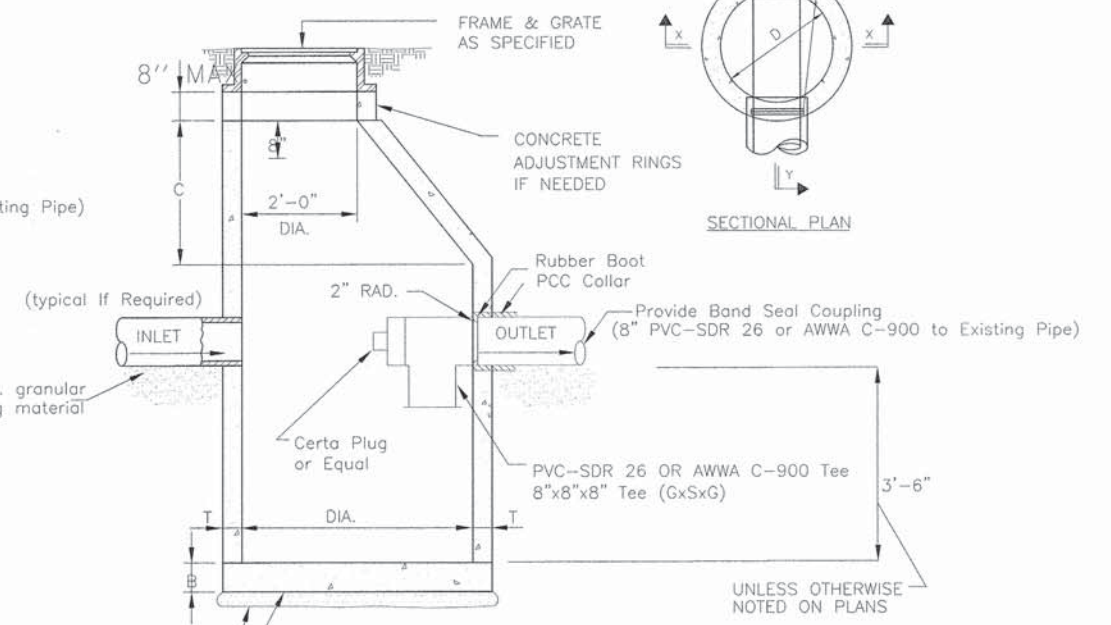
ALTERNATE BOTTOM SLAB

CATCH BASIN TYPE C

N.T.S.

ALTERNATE MATERIAL FOR WALLS	D	C	T (MIN.)	B
PRECAST REINFORCED CONCRETE RISER	4'-0"	2'-6"	4"	6"
	5'-0"	3'-9"	5"	8"

DIAMETER OF MAIN SEWER	D
21" AND UNDER	4'-0"
24" TO 42" INCLUSIVE	5'-0"



STANDARD CATCH BASIN, TYPE A, (WITH HALF TRAP)

N.T.S.

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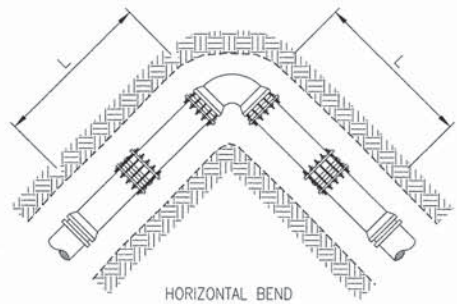
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	DATE = 9/28/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SEWER STRUCTURE DETAILS

SCALE: 1"=5' SHEET 6 OF 14 SHEETS STA. TO STA.

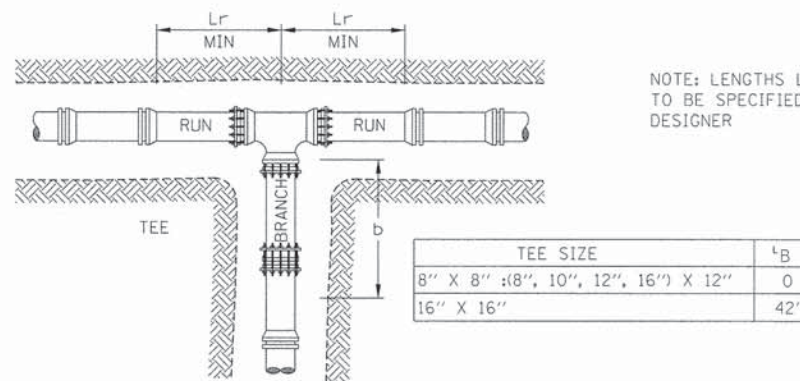
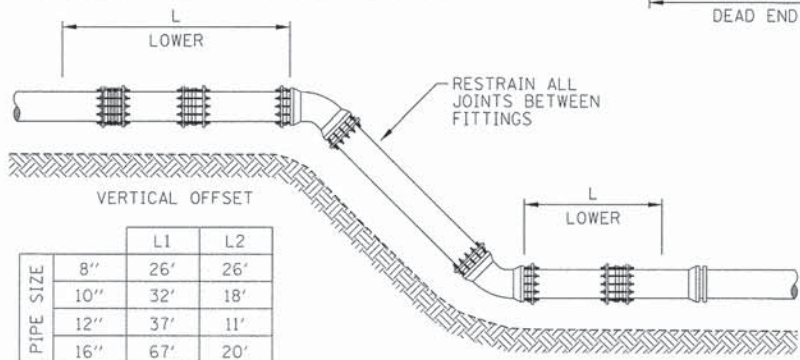
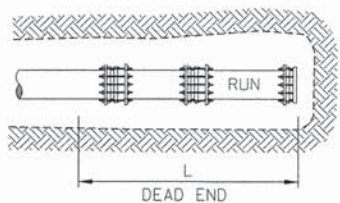
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	52
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



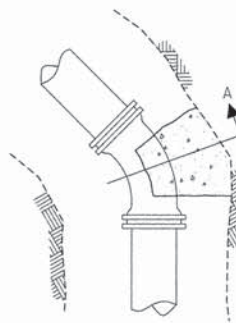
ALL JOINTS WITHIN LENGTH "L" OF FITTING MUST BE RESTRAINED

NOTE: LENGTHS L, Lr AND B TO BE SPECIFIED BY DESIGNER

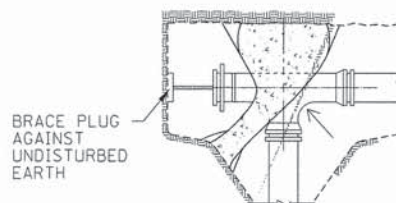
PIPE SIZE	DISTANCE OF RESTRAINED JOINTS REQUIRED EITHER SIDE OF BENDS			
	L			
	BEND SIZES			
	1/32	1/16	1/8	1/4
8"	3'	6'	12'	29'
10"	4'	7'	15'	36'
12"	4'	8'	17'	41'
16"	7'	15'	30'	73'



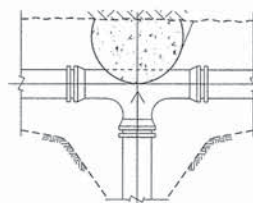
RETAINING GLAND RESTRAINT  
N.T.S.



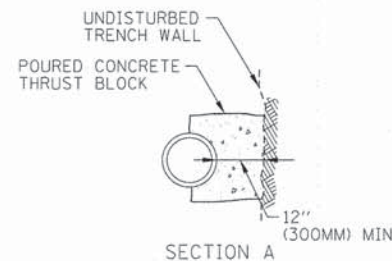
VERTICAL BEND



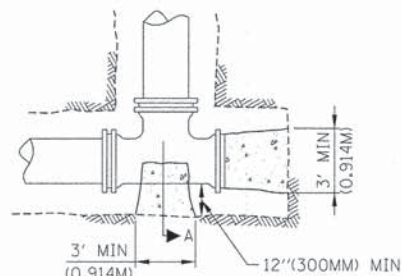
PLUGGED TEE



TEE

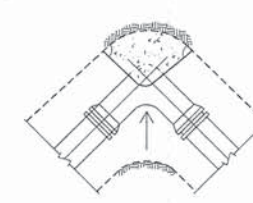


SECTION A



BRACE PLUG AGAINST UNDISTURBED EARTH

PLUGGED CROSS



90° ELBOW

TYPICAL THRUST BLOCK INSTALLATIONS  
N.T.S.

NOTES:  
1. OF POLYETHYLENE TUBE WRAP FOR EACH LENGTH OF PIPE, OVERLAPPED AT PIPE JOINTS AND FOLD EXCESS OVER TOP OF TUBE FOR SLACK REDUCTION.  
2. SELECT SIZE OF WRAP.

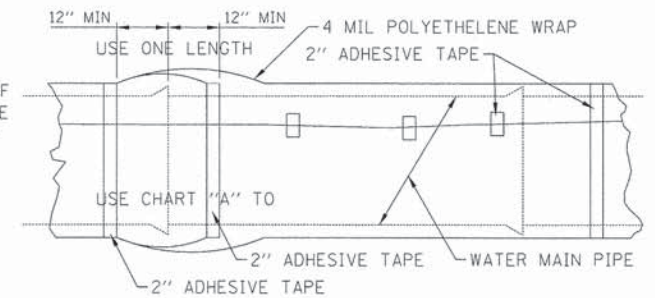
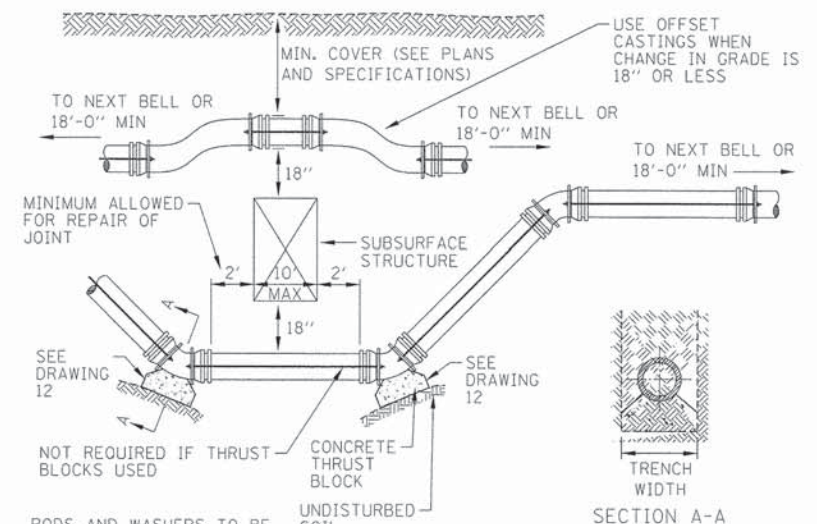


CHART "A"  
POLYWRAP FLAT TUBE WIDTHS

PIPE DIAMETER (IN.)	D.I.P. WITH PUSH-ON JOINTS (IN.)	D.I.P. WITH MECHANICAL JOINTS (IN.)
4	14	16
6	17	20
8	21	24
12	29	30
16	37	27
24	53	53

WATER MAIN POLYETHYLENE WRAP  
N.T.S.



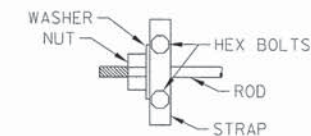
SECTION A-A

RODS AND WASHERS TO BE A.S.T.M. A-575 MERCHANT QUALITY .17-.24 CARBON. NUTS TO BE AM. STD. HEAVY HOT PRESSED. TIE RODS, BOLTS, NUTS, BANDS, AND WASHERS TO BE FURNISHED AND APPLIED BY CONTRACTOR. ALL STEEL MATERIAL TO BE THOROUGHLY COATED WITH BITUMASTIC EQUAL TO KOPPERS NO. 505

STRAPPING MATERIAL (IN)

PIPE SIZE	D	RODS		STRAP	BOLT		WASHER
		DIA.	QTY		DIA.	QTY	
6	7.10	2	3/4	1/2 X 2	3/4	1/2 X 3 X 5	
8	9.30	2	3/4	1/2 X 2	3/4	1/2 X 3 X 5	
12	13.50	2	3/4	1/2 X 2 1/2	1	1/2 X 3 X 5	
16	17.80	4	3/4	1/2 X 3	1	1/2 X 3 X 5	

NOTE: PIPE AND FITTINGS TO BE WRAPPED WITH POLYETHYLENE BEFORE PLACEMENT OF STRAPPING AND BUTTRESSES.



WATER MAIN ADJUSTMENT DETAIL  
N.T.S.

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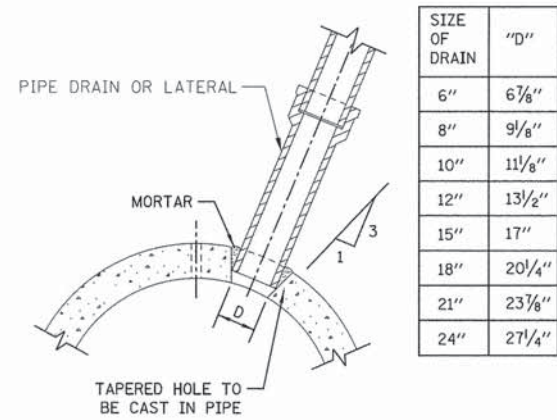
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	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
WATER SYSTEM DETAILS

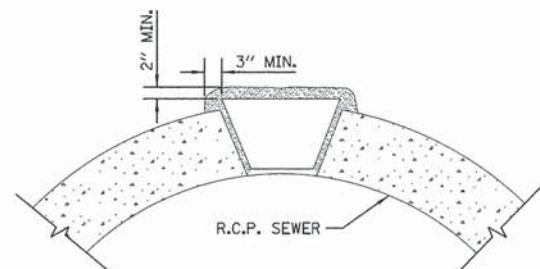
SCALE: 1"=5' SHEET 7 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	53
			CONTRACT NO. 61B99	
ILLINOIS FED. AID PROJECT				

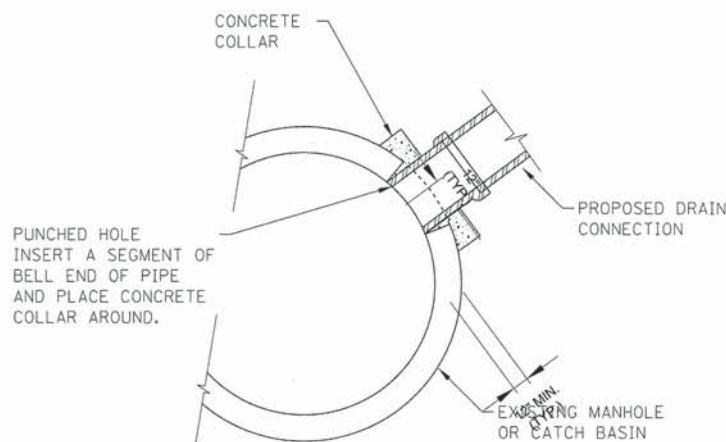


DETAIL OF TAPERED HOLE

NOTE:  
PLUG TO BE COATED WITH MORTAR AND DRIVEN INTO PLACE WITH A WOODEN MALLET AND THEN SEALED WITH MORTAR.



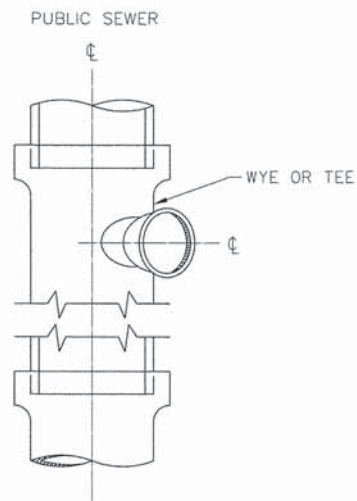
LIFTING HOLE PLUG DETAIL FOR CONCRETE PIPE



WATERTIGHT CONNECTION SHALL BE AS REQUIRED BY ASTM C-923.

SEWER CONNECTION TO EXISTING DRAINAGE STRUCTURE

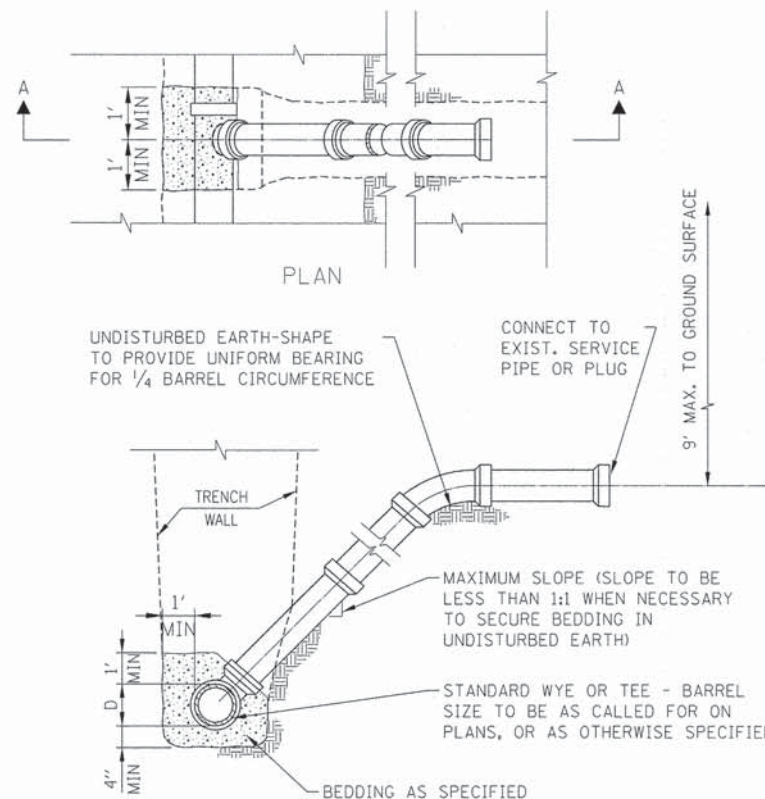
N.T.S.



WHERE TEES AND WYES ARE NOT PROVIDED, TAPPING SADDLES WILL BE REQUIRED. AXIS OF OUTLET PLACED AT 45° SLOPE WITH HORIZONTAL. OUTLET TO BE PROVIDED WITH STOPPER

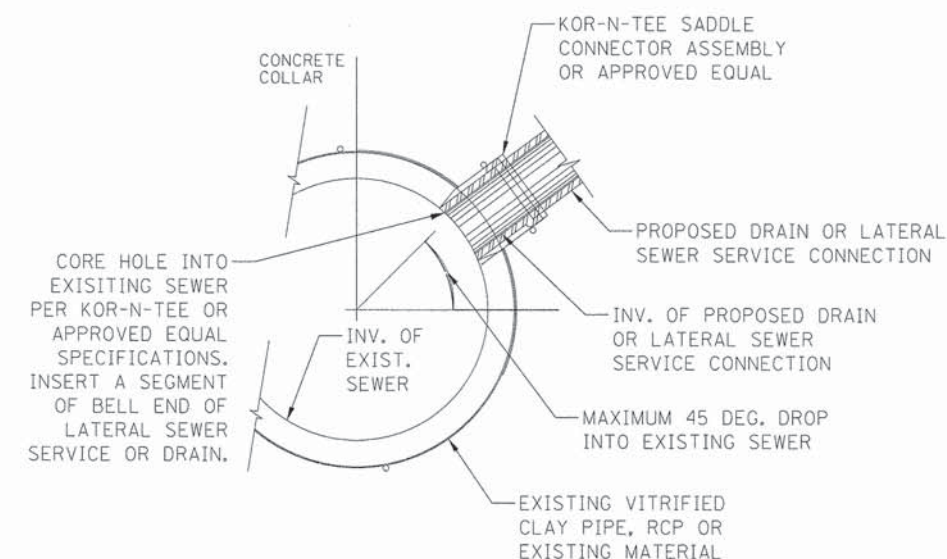
TYPICAL HOUSE INLET SANITARY

N.T.S.



TYPICAL RISER FOR SANITARY SERVICE LATERAL

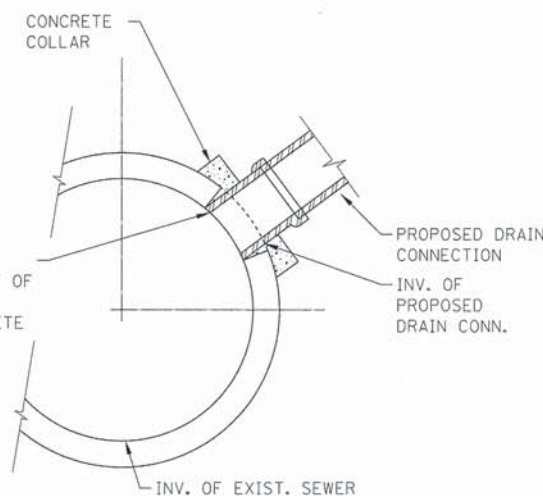
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WATERTIGHT CONNECTION SHALL BE AS REQUIRED BY ASTM C-923

FLEXIBLE PIPE INSTALLATION DETAIL

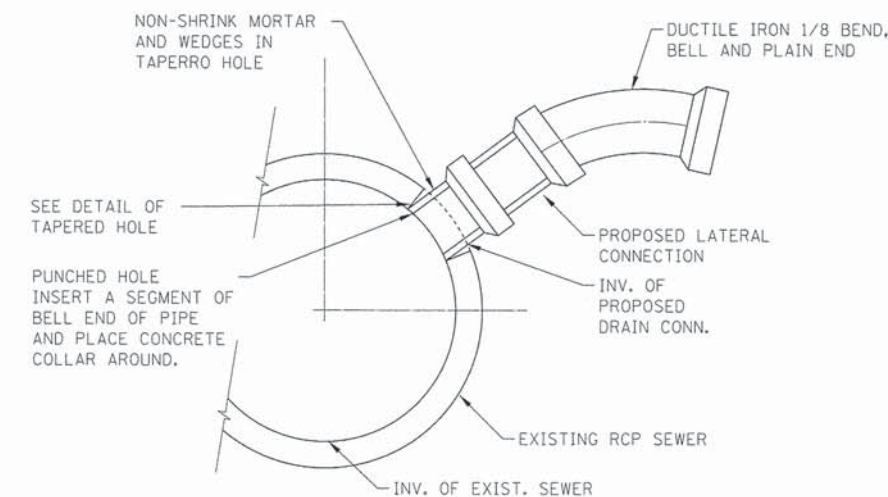
N.T.S.



WATERTIGHT CONNECTION SHALL BE AS REQUIRED BY ASTM C-923.

RCP SEWER LATERAL CONNECTION TO EXISTING RCP SEWER

N.T.S.



1. DUCTILE IRON PIPE MUST BE BELL END WITH PUSH-ON JOINTS CONFORMING TO ANSI SPECIFICATIONS A21.51 WITH CLASS 52 THICKNESS
2. WATERTIGHT CONNECTIONS SHALL BE AS PER ASTM C-923

DUCTILE IRON PIPE SEWER LATERAL CONNECTION TO EXISTING RCP SEWER

N.T.S.

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DATE - 9/3/2015

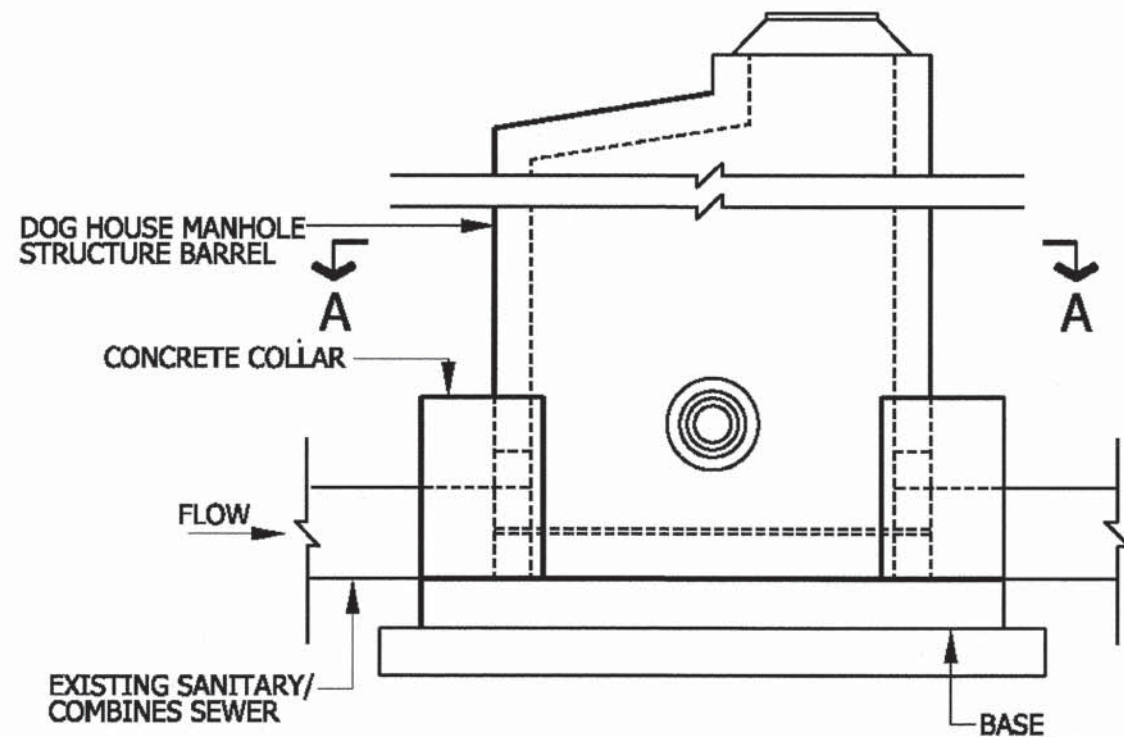
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

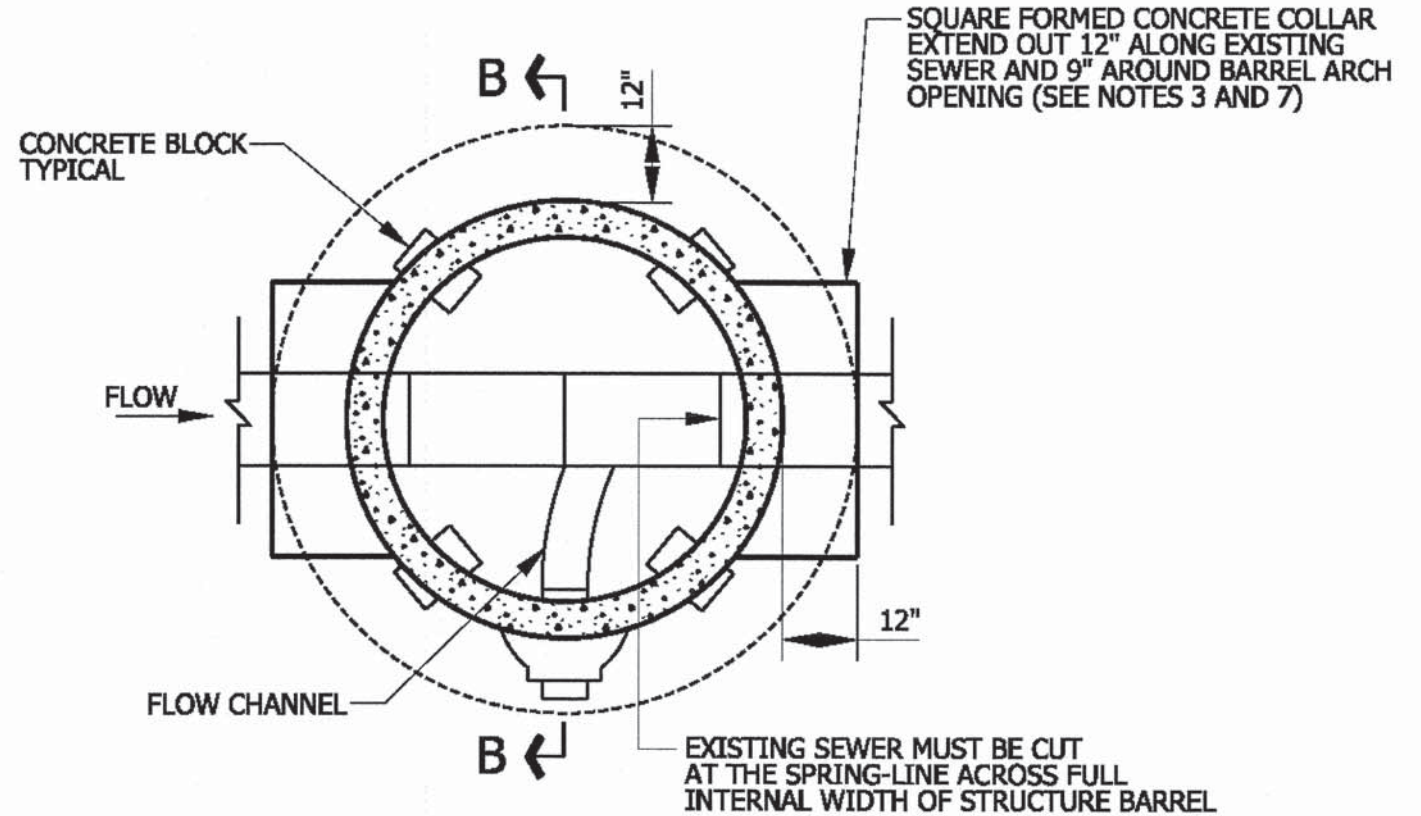
VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SEWER CONNECTION DETAILS

SCALE: 1"=5' SHEET 8 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	54
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



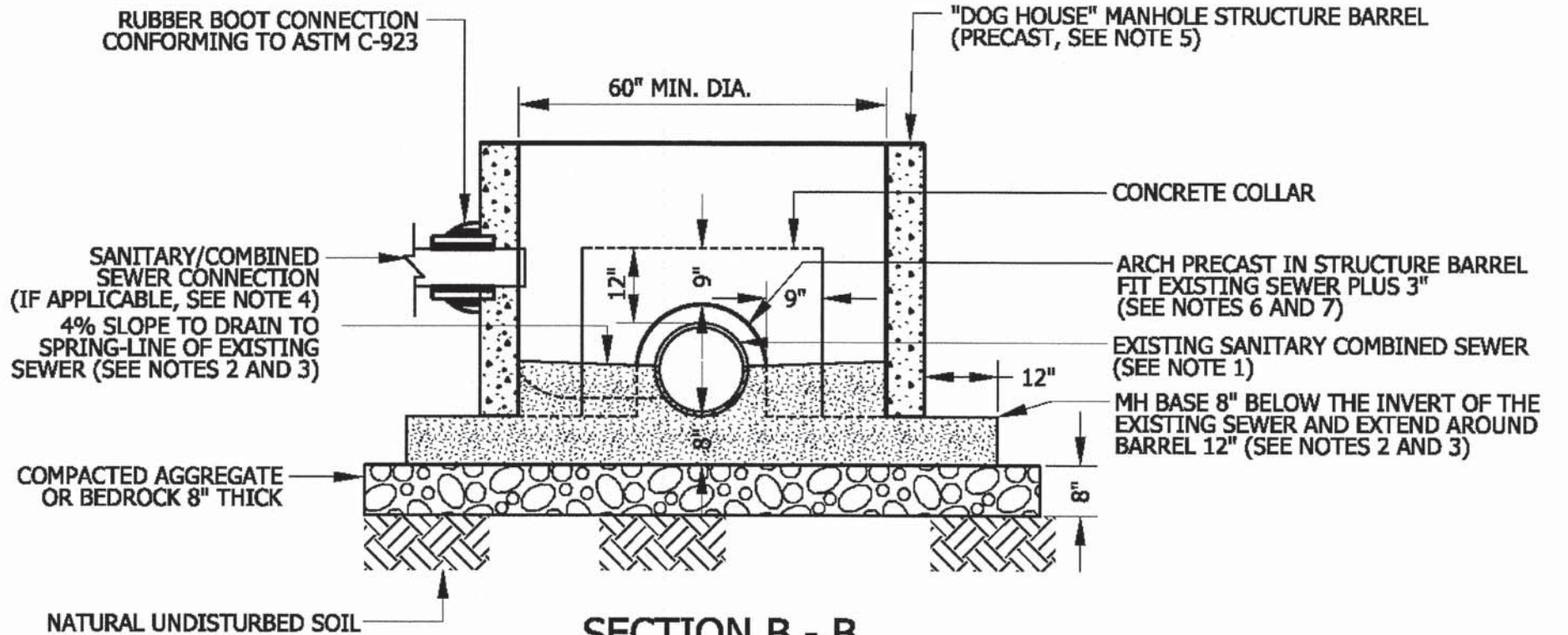
**DOG HOUSE MANHOLE PROFILE**



**SECTION A - A**

**NOTES:**

1. EXISTING SANITARY OR COMBINED SEWER MUST BE 15" DIAMETER OR LARGER FOR "DOG HOUSE" MANHOLE USE.
2. INTEGRAL POUR FOR BASE AND BENCH. (NO PRECAST BASE)
3. ALL POURED-IN-PLACE CONCRETE MUST BE 4000 PSI NON-SHRINK MIX.
4. EXTERNAL DROP CONNECTION MUST BE PROVIDED IF INVERT OF CONNECTING SEWER IS 24" OR MORE ABOVE THE INVERT OF OUTLET (SEE SEPARATE MWRD STANDARD DROP DETAIL).
5. MANHOLE DIAMETER MINIMUM 60"-INCREASES BASED ON THE EXISTING SEWER DIAMETER.
6. CONCRETE BONDING AGENT MUST BE APPLIED TO ALL INTERFACES OF PRECAST CONCRETE SURFACES WITH POURED-IN-PLACE CONCRETE.
7. A CURVED INTERNAL ARCH FORM MUST BE USED DURING COLLAR CONCRETE FILL. NO BRICK, MORTAR, OR DEBRIS IS TO BE USED IN PLACE OF CONSOLIDATED CONCRETE.
8. DEBRIS MUST NOT BE ALLOWED TO ENTER THE SEWER SYSTEM AT ANY TIME DURING CONSTRUCTION.
9. ALL DIMENSIONS NOTED ARE MINIMUM ALLOWED.
10. THE STRUCTURE MUST NOT BE BACKFILLED FOR A MINIMUM OF 24 HOURS AFTER CONSTRUCTION.



**SECTION B - B**

TYPICAL DOG HOUSE MANHOLE  
N.T.S.

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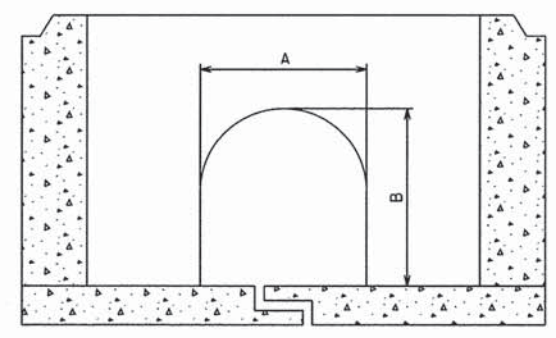
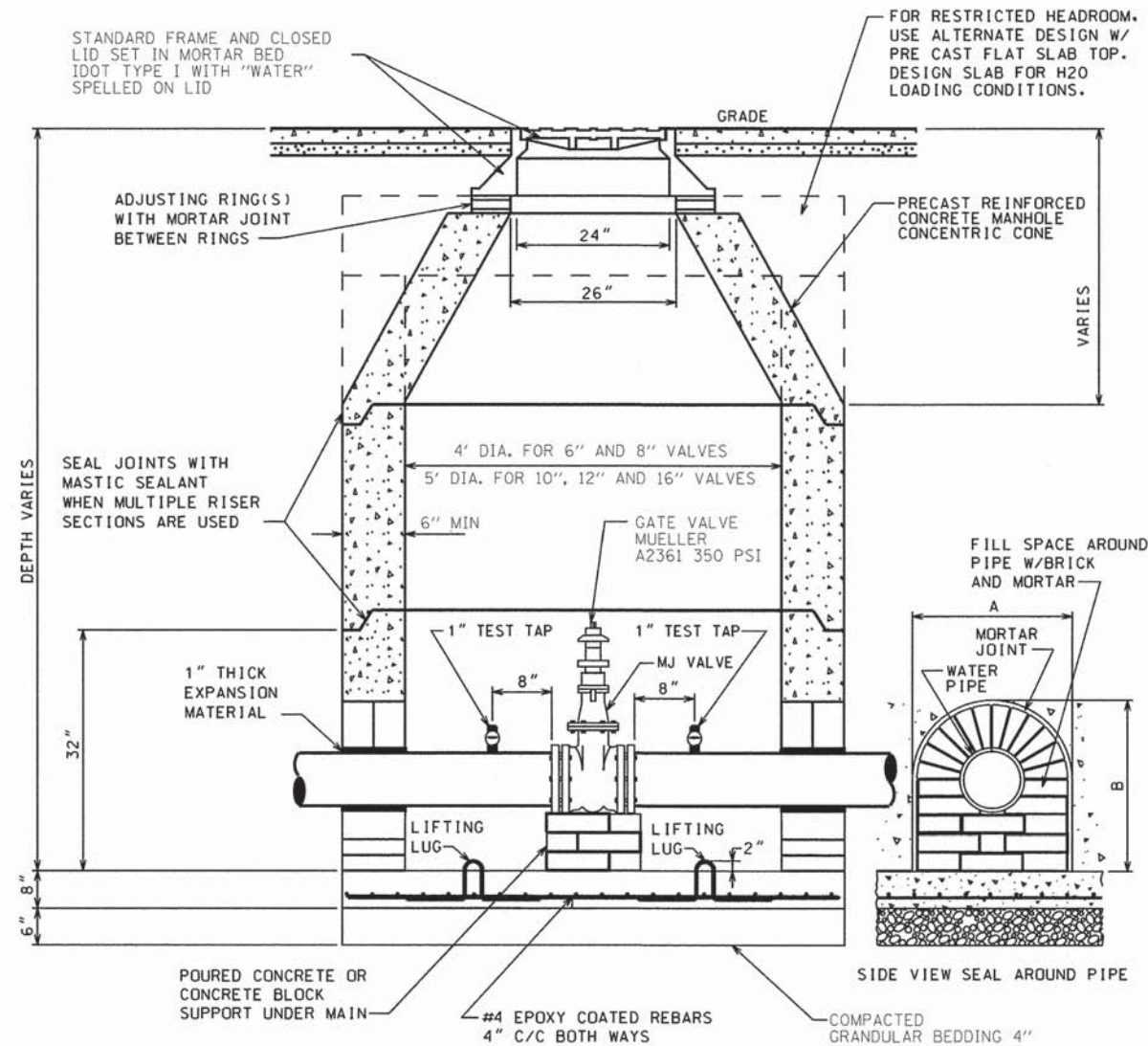
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	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
"DOG HOUSE" MANHOLE DETAIL

SCALE: 1"=5' SHEET 9 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

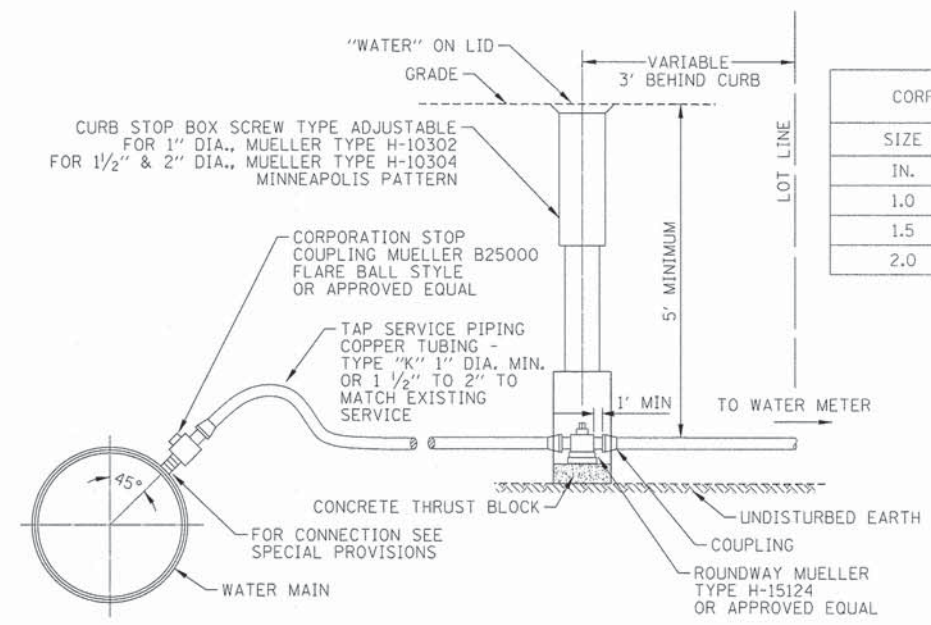


OPTIONAL SPLIT BOTTOM

TYPICAL WATER VALVE IN VAULT

N.T.S.

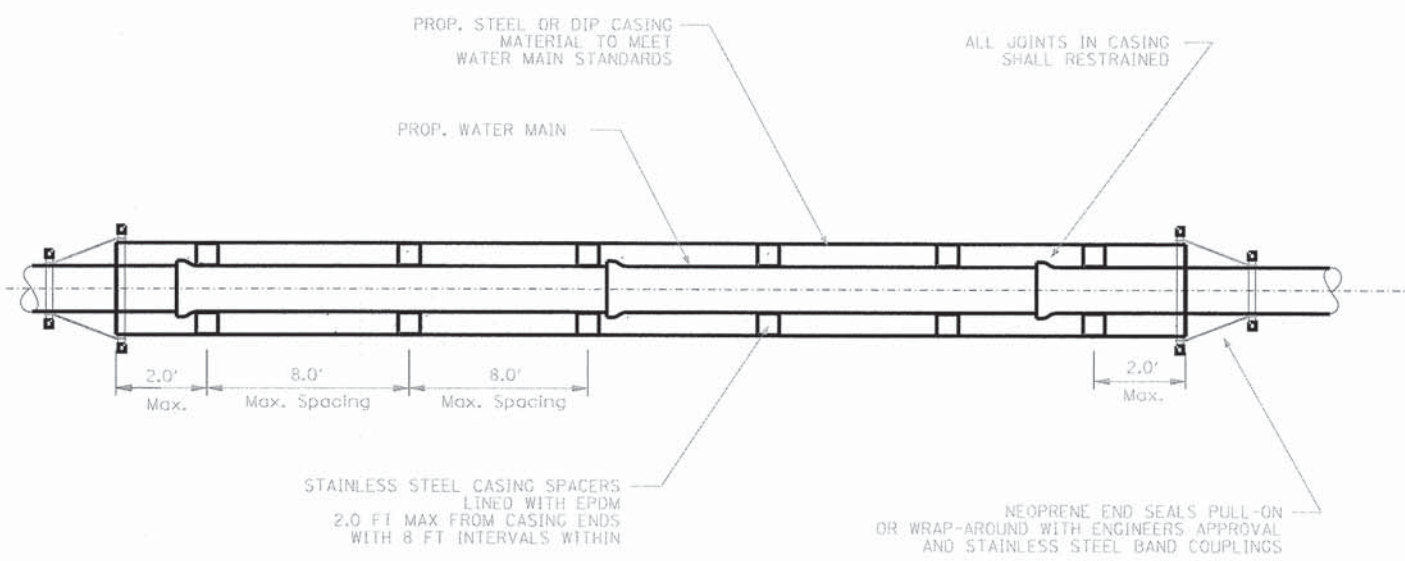
NOMINAL PIPE SIZES	OPENING DIMENSIONS	
	A	B
8"	11.0"	12.5"
10"	13.5"	14.5"
12"	15.5"	16.5"
16"	19.5"	21.0"



TYPICAL TAP SERVICE PIPING (COPPER) AND CURB STOP

N.T.S.

CORPORATION COCK		SHUT-OFF BOX
SIZE	WEIGHT	WEIGHT
IN.	LB.	LB.
1.0	3.00	7.25
1.5	10.00	7.25
2.0	16.50	7.25



PROPOSED WATER MAIN CASING DETAIL

N.T.S.

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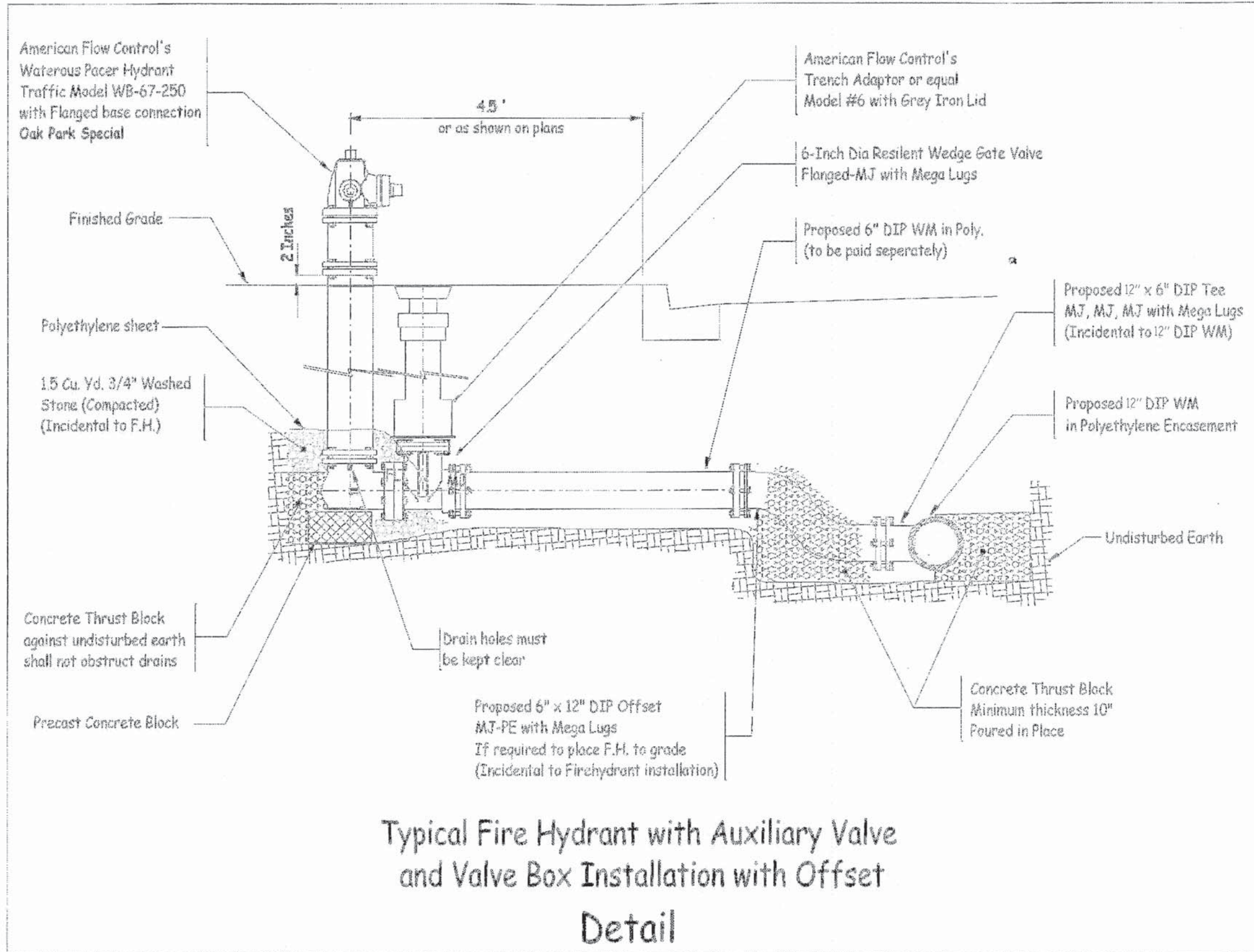
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
WATER SYSTEM DETAILS

SCALE: 1"=5' SHEET 10 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	56
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				





Typical Fire Hydrant with Auxiliary Valve  
and Valve Box Installation with Offset  
Detail

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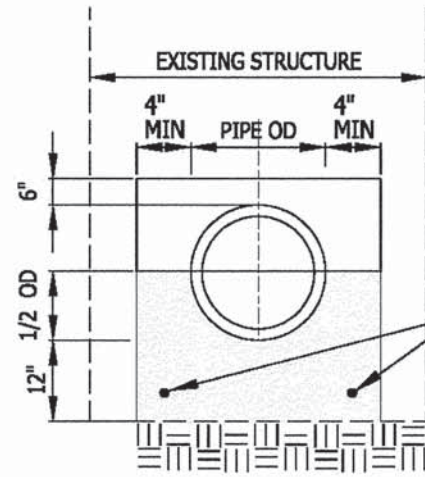
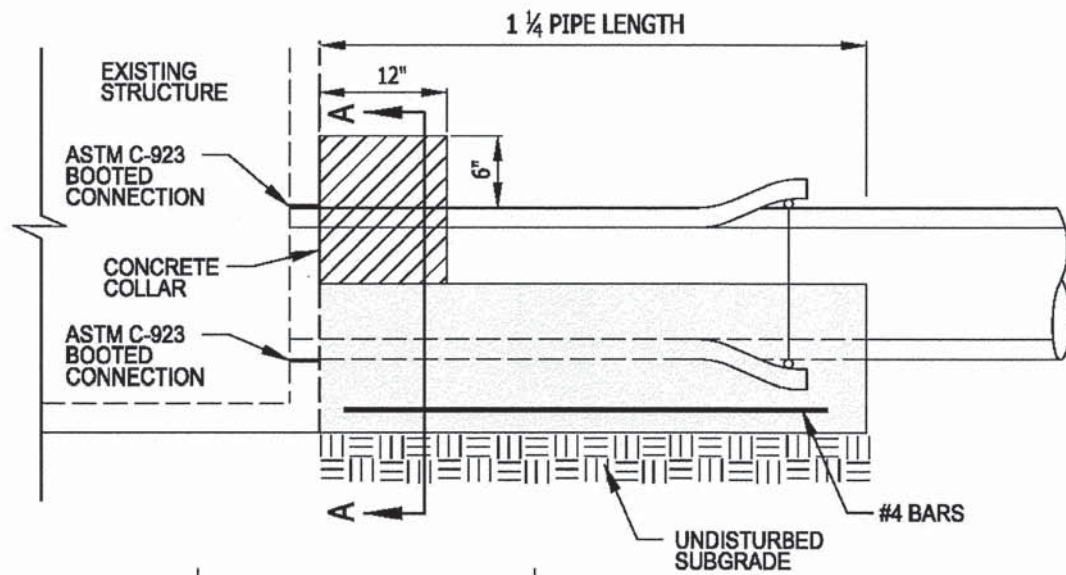
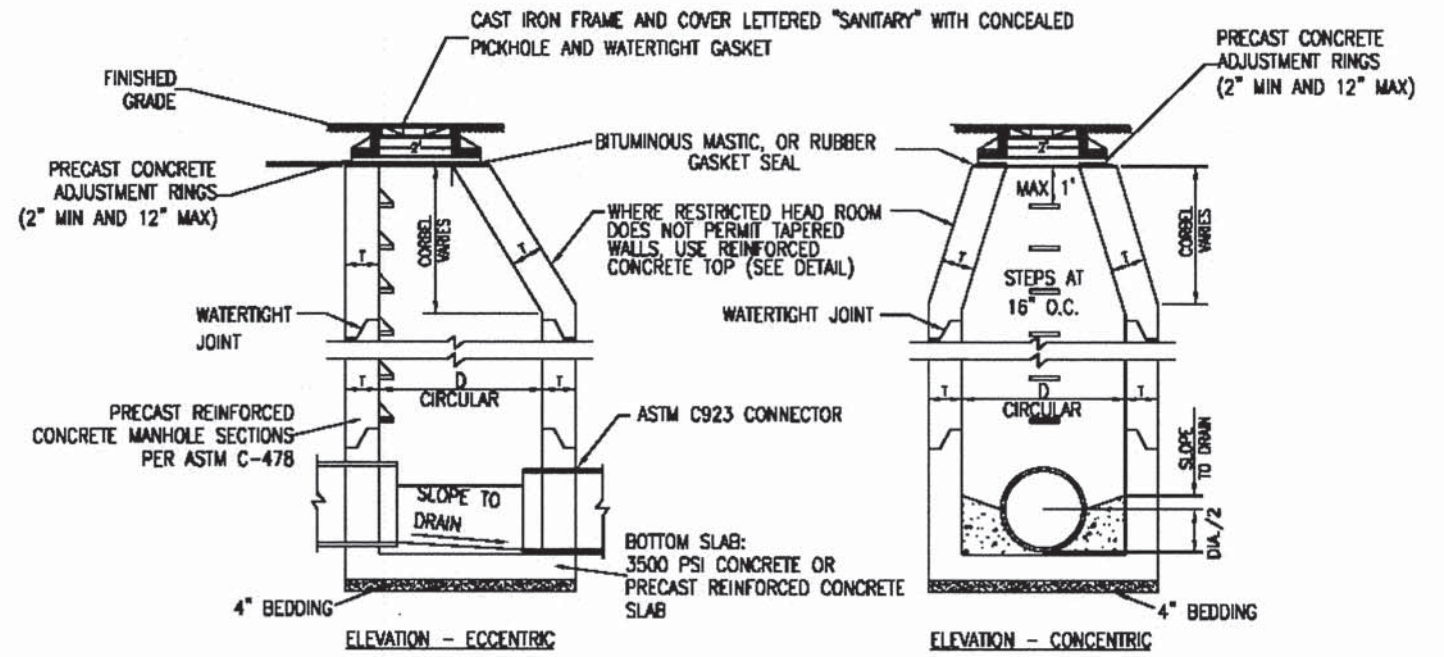
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	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
FIRE HYDRANT DETAIL

SCALE: 1"=5' SHEET 11 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61B99			ILLINOIS FED. AID PROJECT	



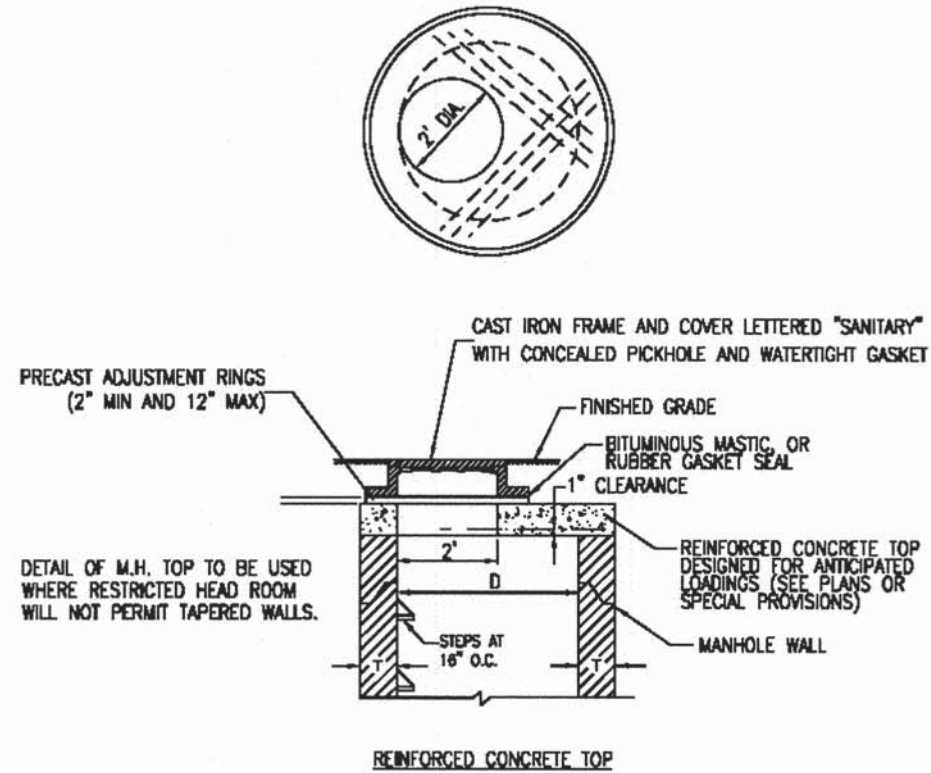
**SECTION A-A**

TYPICAL CONCRETE CRADLE

N.T.S.

CONCRETE - 4000 psi @ 28 days  
THICKNESS OF CRADLE 1/2 PIPE DIAMETER + 12"  
BEAR ON UNDISTURBED SUBGRADE.

#4 BARS \*  
\* REINFORCEMENT SHALL BE TWO #4 BARS FOR PIPE DIAMETER LESS THAN OR EQUAL TO 8 INCHES, FOUR #4 BARS FOR PIPE DIAMETER GREATER THAN 8 INCHES.

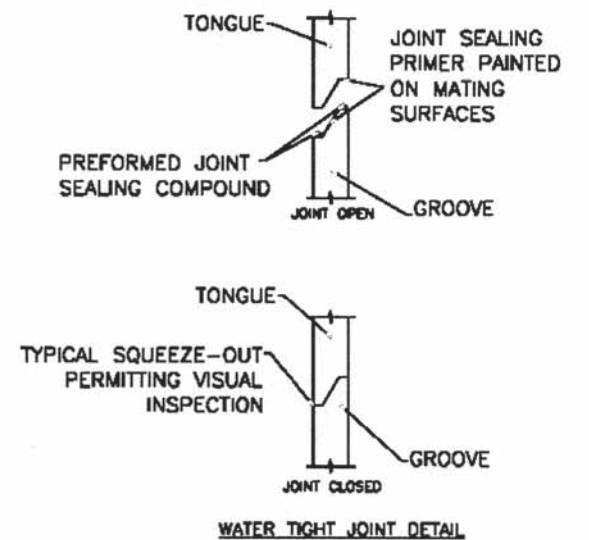


REINFORCED CONCRETE TOP

- MANHOLES TO HAVE PRECAST "RUBBER BOOTS" CONFORMING TO ASTM C-923 AT ALL PIPE CONNECTIONS.
- SANITARY MANHOLES SUBJECT TO SATURATION SOIL CONDITIONS OR SURFACE SUBMERGENCE SHALL BE EQUIPPED WITH CHIMNEY SEALS AND WATER TIGHT BOLTED DOWN MANHOLE COVERS.
- MASTIC SEALANT OR RUBBER GASKET SEAL MUST BE APPLIED BETWEEN CONCRETE & FLANGE OF FRAME BEFORE LID BOLTS ARE TIGHTENED.
- SAFETY LANDINGS REQUIRED FOR MANHOLES GREATER THAN 28 FEET DEPTH (RIM TO INVERT). MAXIMUM VERTICAL SPACING OF SAFETY LANDING IS 20 FEET.
- FOR DROP CONNECTIONS, USE DROP CONNECTION MANHOLE DETAIL.
- FOR ONLINE CONNECTIONS GREATER THAN 15 INCHES, USE DOGHOUSE MANHOLE DETAIL.

TYPICAL SANITARY MANHOLE "A" AND "B" DETAIL

N.T.S.



WATER TIGHT JOINT DETAIL

ALT MATERIALS FOR WALLS	D	T (MIN.)
PRECAST REINFORCED CONCRETE SECTION	4 FEET	4 IN
	5 FEET	5 IN
	6 FEET	6 IN
CAST-IN-PLACE CONCRETE	4 FEET	4 IN
	5 FEET	5 IN
	6 FEET	6 IN

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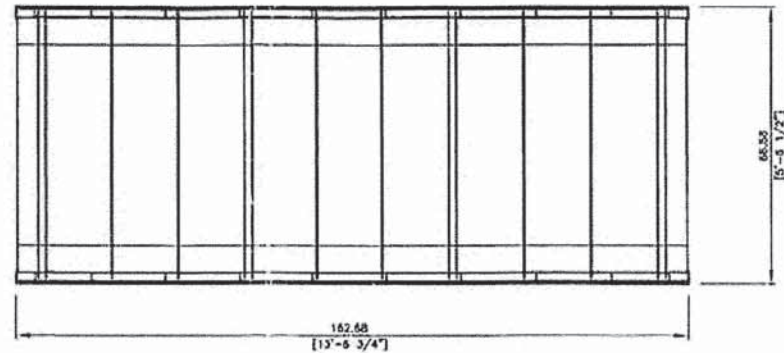
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DEPARTMENT OF TRANSPORTATION

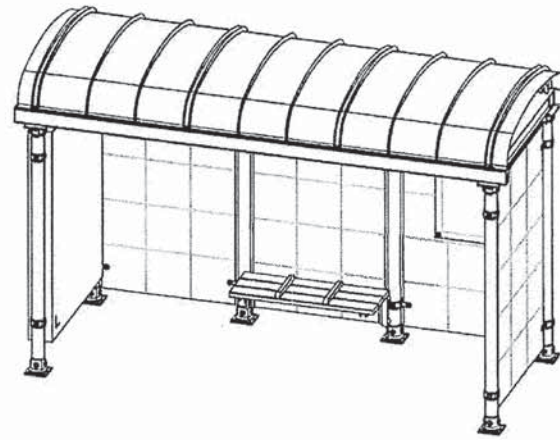
VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
SEWER AND WATER DETAILS

SCALE: 1"=5' SHEET 12 OF 14 SHEETS STA. TO STA.

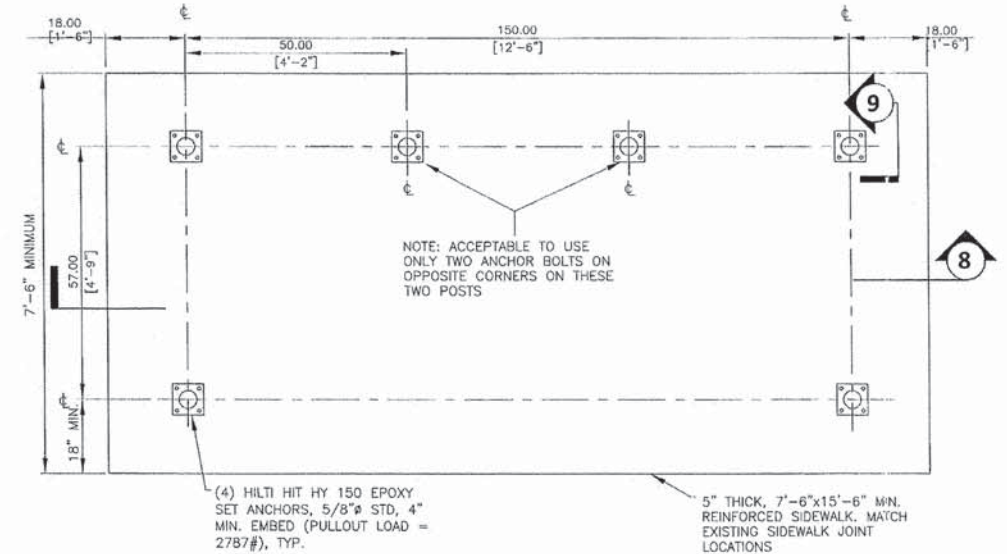
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ILLINOIS FED. AID PROJECT				



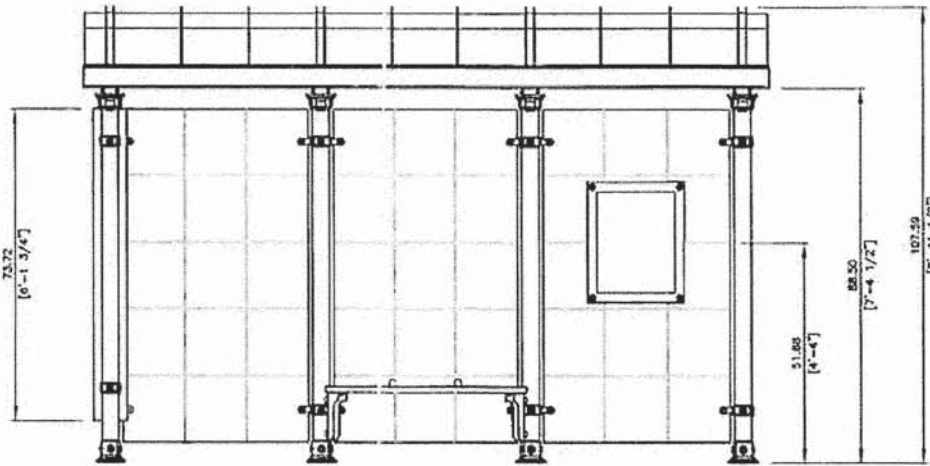
1 TOP VIEW OF BUS SHELTER  
NTS



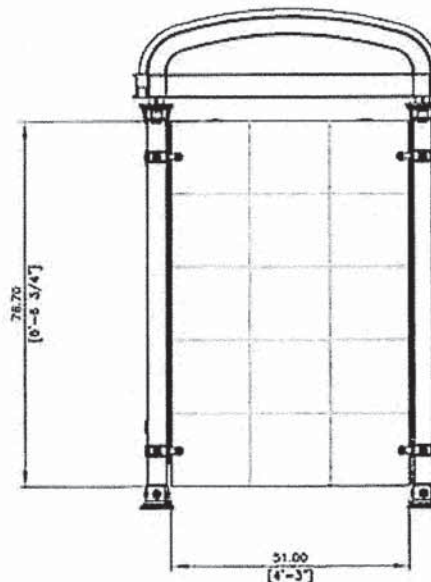
2 ISOMETRIC VIEW BUS SHELTER  
NTS



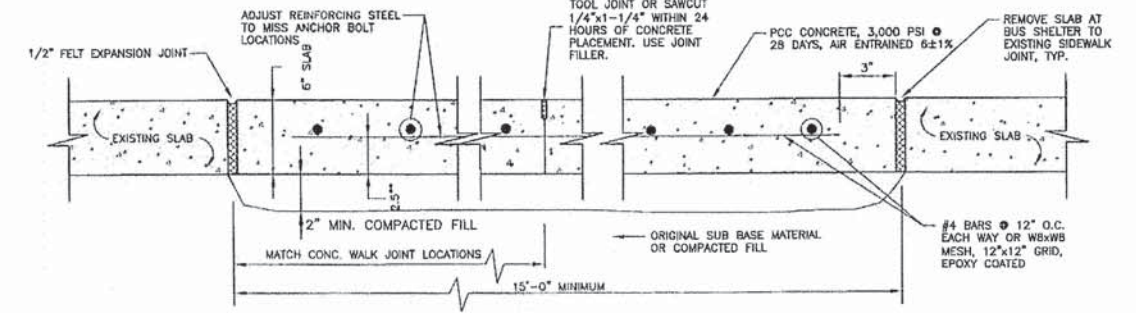
7 DETAIL OF PLAN VIEW W/POST LOCATIONS FOR BUS SHELTER  
NTS



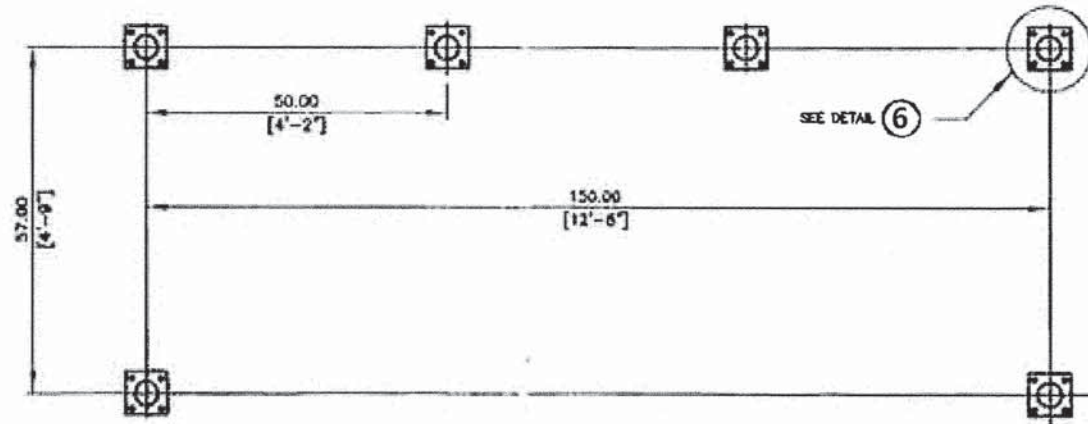
3 FRONT ELEVATION OF BUS SHELTER  
NTS



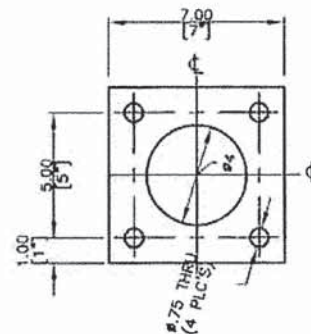
4 SIDE ELEVATION OF BUS SHELTER  
NTS



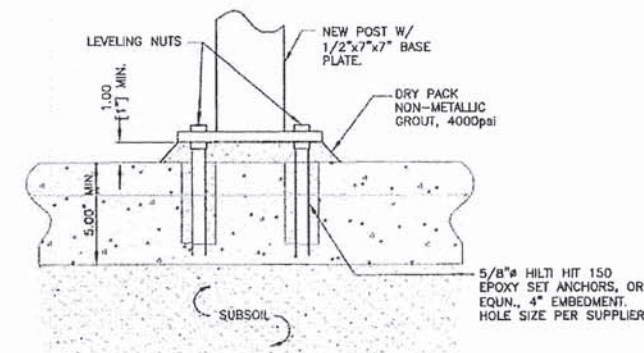
8 SECTION THRU NEW FOUNDATION AT BUS SHELTER  
NTS



5 PLAN VIEW, POSTS FOR BUS SHELTER  
NTS



6 DETAIL OF POST W/PRE DRILLED ANCHOR BOLT LOCATION FOR BUS SHELTER (NTS)



9 SECTION THRU NEW SLAB  
NTS

- NOTES:
- ELECTRICAL FEED TO BUS SHELTERS TO ENTER THROUGH BACK CORNER. POST, ONE SIDE OR THE OTHER. ELECTRICAL FEED TO C.I.P.'S IDENTICAL PROVIDE ELECTRICAL CONDUIT IN FORMWORK BEFORE PLACING CONCRETE.
  - THE BUS SHELTER SHALL BE EQUIPPED WITH LIGHTING, AN ELECTRICALLY POWERED ADVERTIZING PANEL, AND ON-TIME ARRIVAL GPS MESSAGE PANEL.

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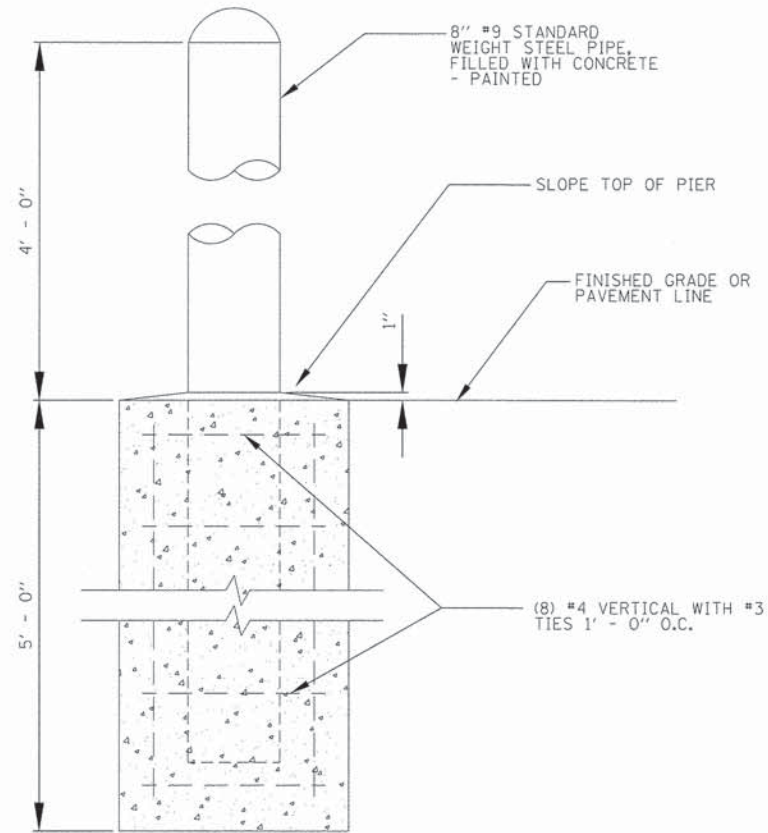
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOUTH BOULEVARD  
DESIGN DETAILS

SCALE: 1"=5' SHEET 13 OF 14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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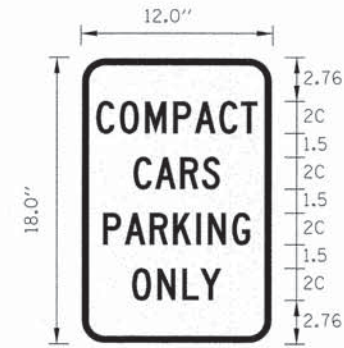


**BOLLARD DETAIL**  
NTS



**NOTE:**  
MOUNT ALUMINUM SIGN ON STANDARD CONSTRUCTION SIGN FRAME (PER IDOT STANDARD) ACCORDING TO THE LOCATION SPECIFIED ON THE PAVEMENT MARKING AND SIGNING PLAN.

**PROJECT SIGN**  
NTS



BORDER 0.96 10.09 0.96  
R=1.5"  
TH=0.5"  
(GREEN TEXT ON WHITE BACKGROUND)

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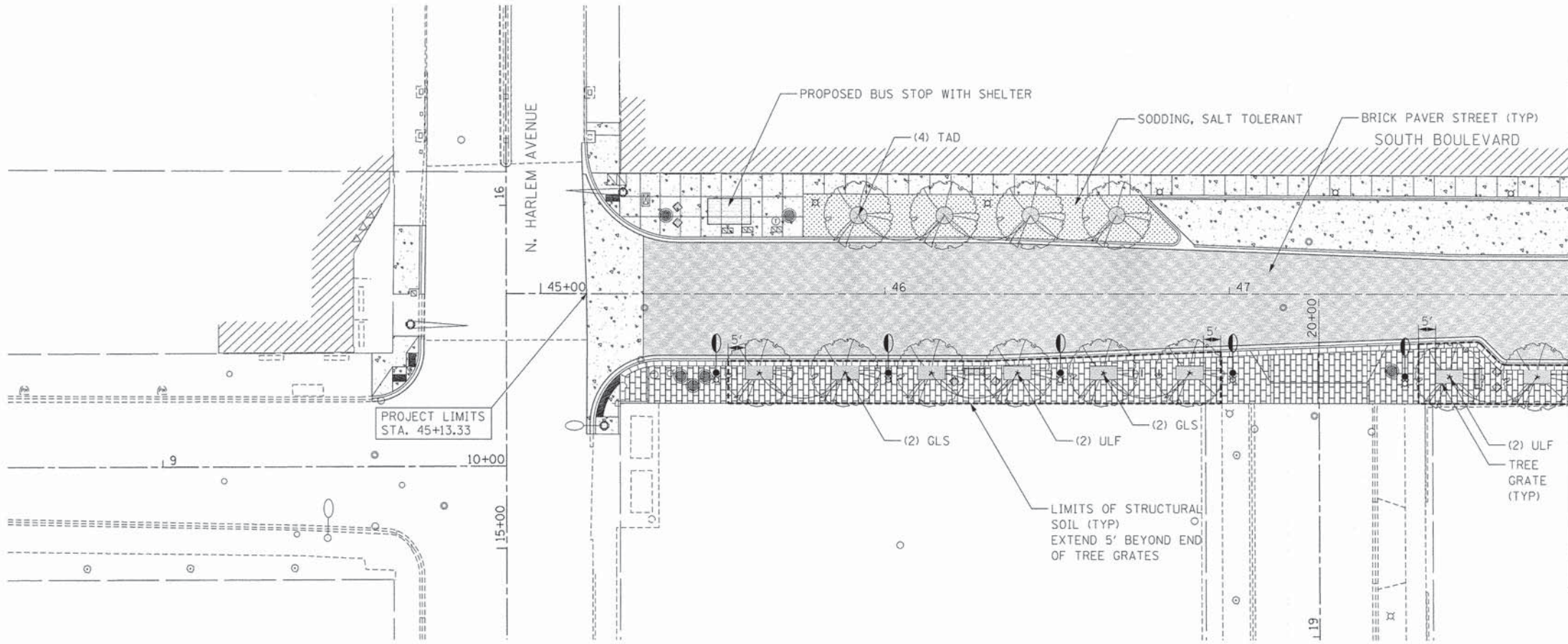
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOUTH BOULEVARD  
DESIGN DETAILS**

SCALE: 1"=5' SHEET 14 OF 14 SHEETS STA. TO STA.

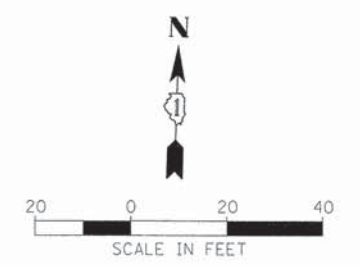
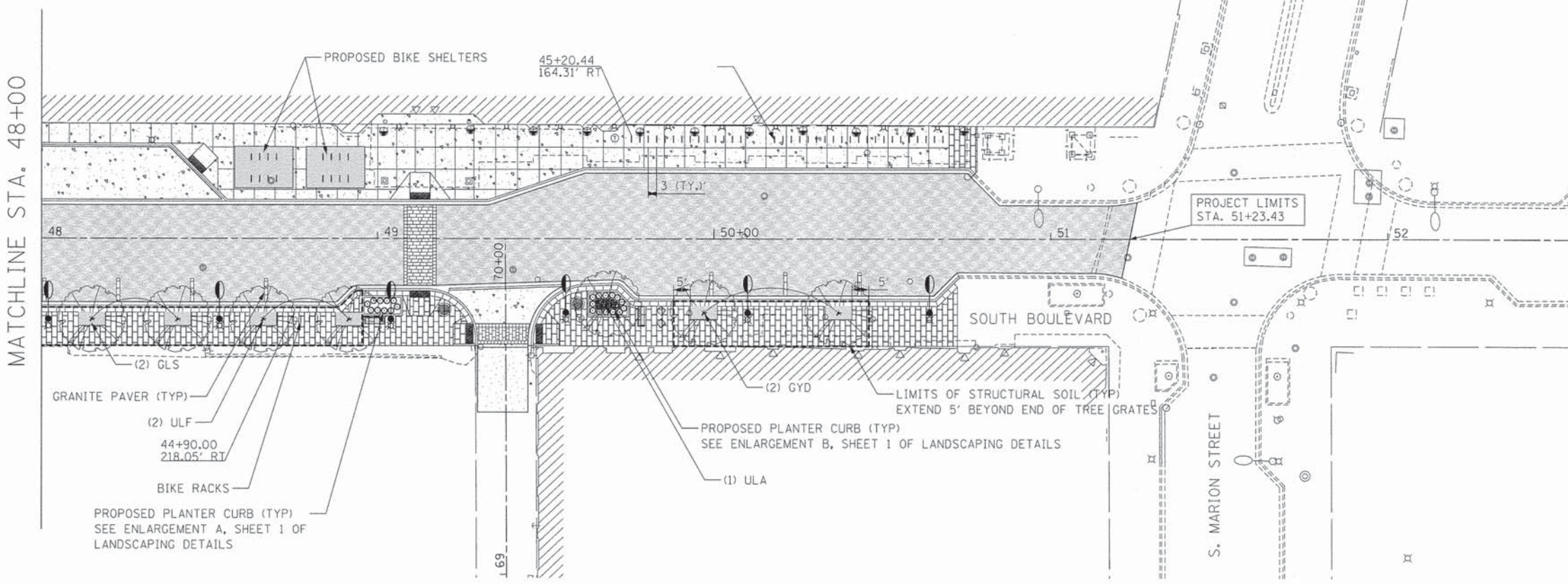
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	60
CONTRACT NO. 61899				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PAVER BLOCKS, SPECIAL
- SODDING, SALT TOLERANT
- GRANITE PAVER CROSSWALK
- PLANTER CURB (SEE DETAIL SHEETS)
- PROPOSED TREE GRATE
- PROPOSED BENCH, TYPE A
- PROPOSED BENCH, TYPE B
- PROPOSED PLANTER
- TRASH RECEPTACLE
- BICYCLE RACKS
- STRUCTURAL SOIL LIMITS
- PROPOSED SHADE TREE WITH MULCH RING

NOTE: SEE SHEET FOR PLANT SCHEDULE



M:\SOUTH BLVD OakPark TCSP (13-227)\DESIGN\CIVIL\CORD Sheets\IMPORTED FILES FROM PROJECTWISE\0115227-ah-Indecpl.dgn



USER NAME = BernardB	DESIGNED - TEL	REVISED -
PLOT SCALE = 20,0000' / 1"	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

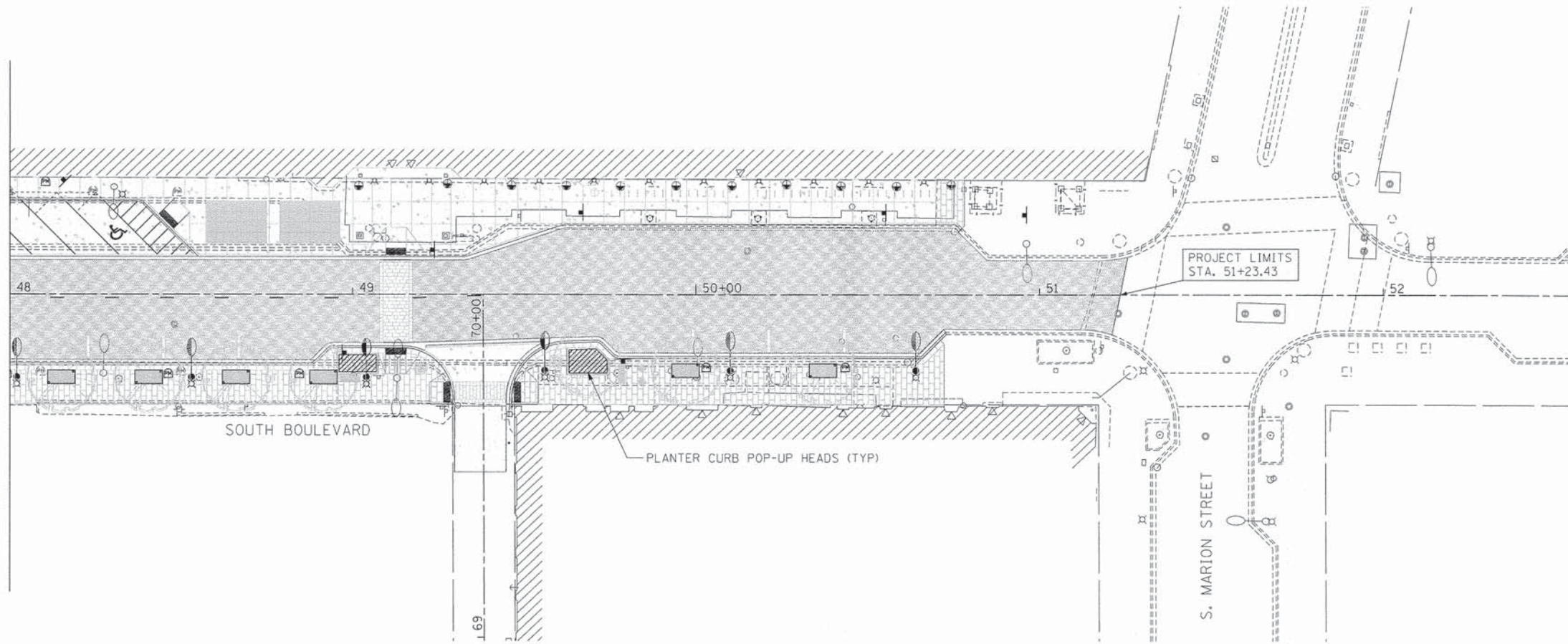
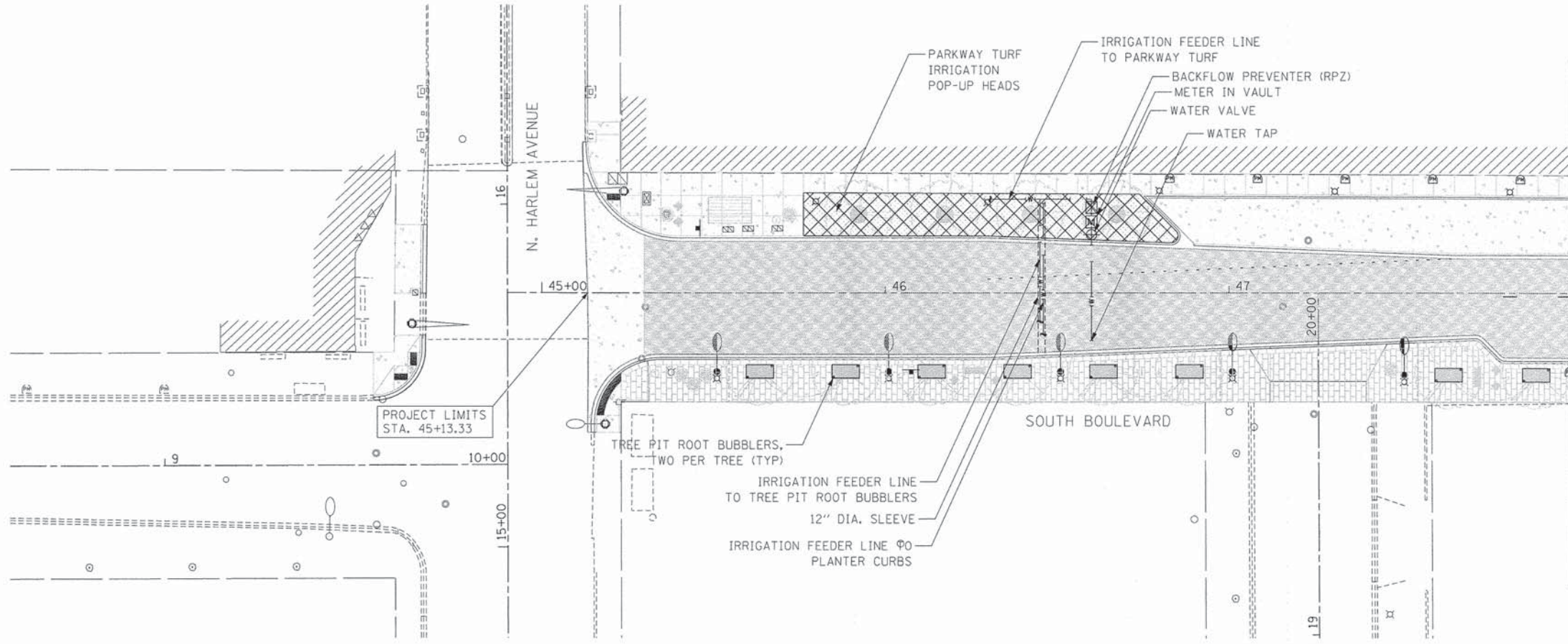
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
LANDSCAPE PLAN**







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

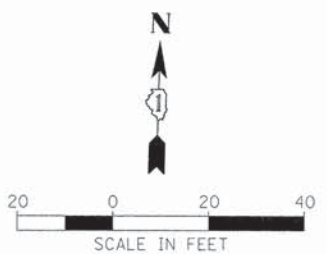
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	61
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

M:\SOUTH BLVD OakPark TCSP 03-227\DESIGN\CIVIL\CARD Sheets\IMPORTED FILES FROM PROJECT\ISE\015227\pht-1\desig2.dgn



**LEGEND**

-  WATER VALVE
-  METER IN VAULT
-  BACKFLOW PREVENTER (RPZ)
-  PARKWAY TURF IRRIGATION POP-UP HEADS
-  PLANTER CURB POP-UP IRRIGATION
-  TREE PIT ROOT BUBBLERS, TWO PER TREE (TYP)



MATCHLINE STA. 48+00

MATCHLINE STA. 48+00



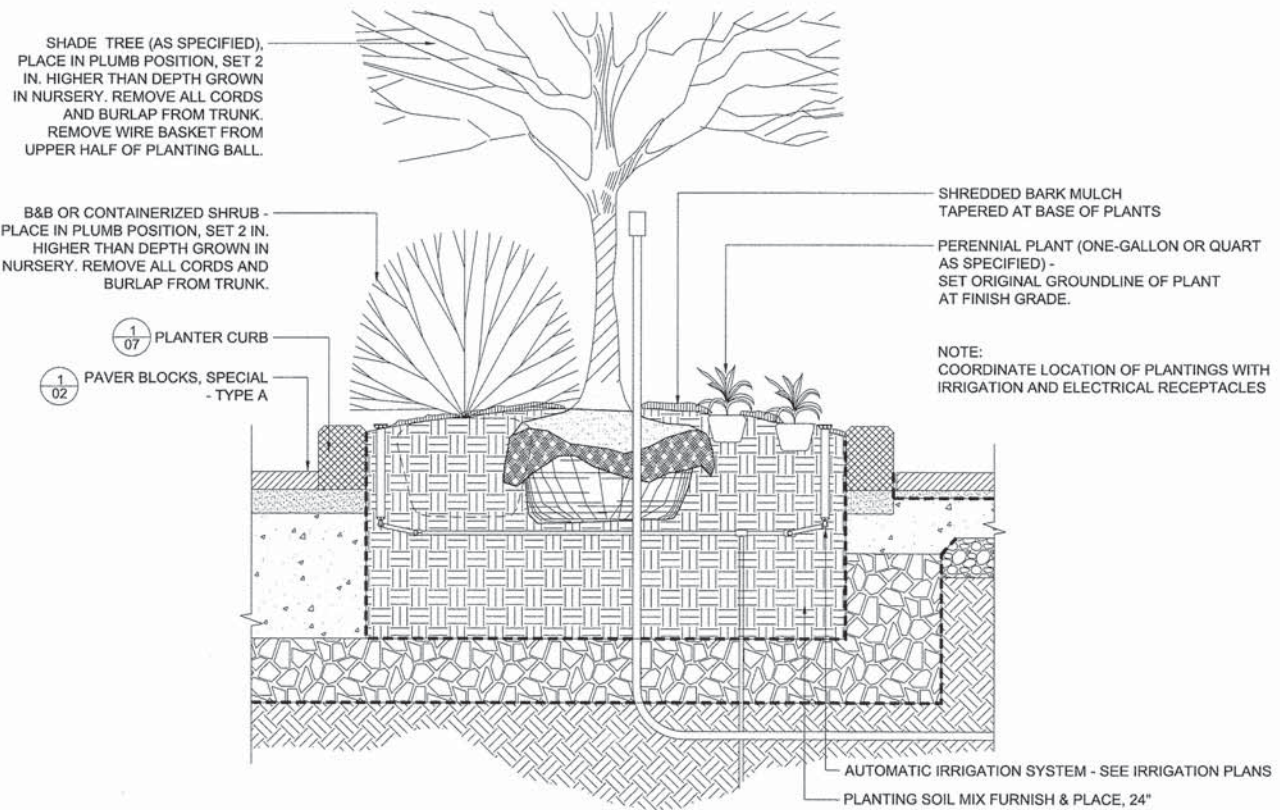
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	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
IRRIGATION PLAN**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	62
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

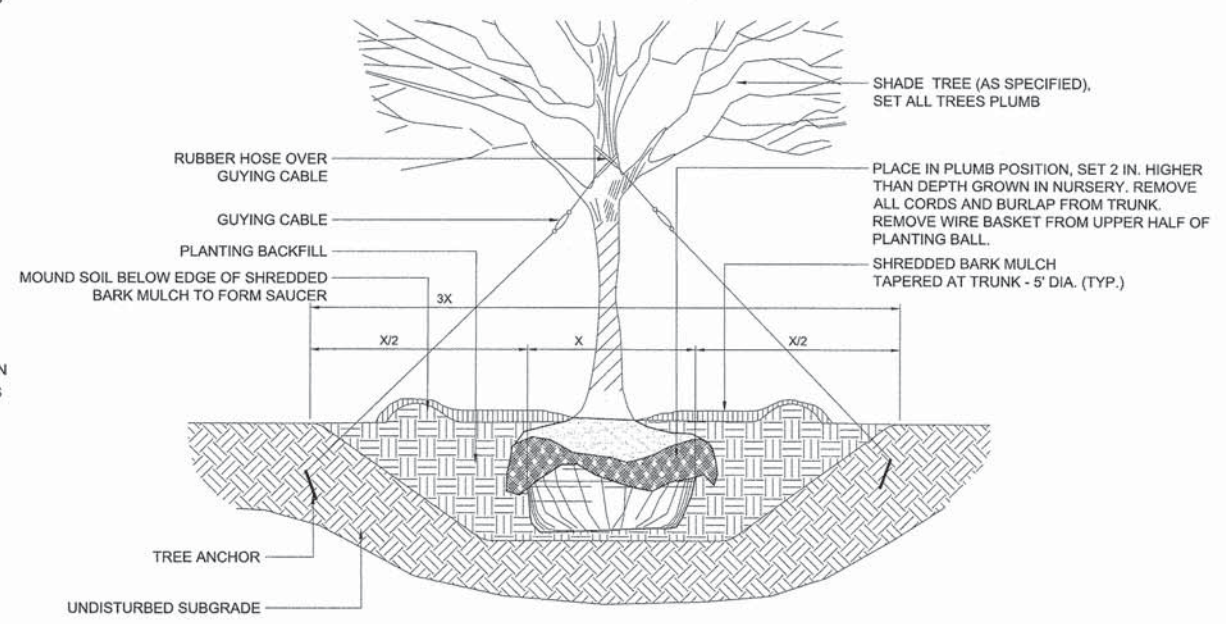
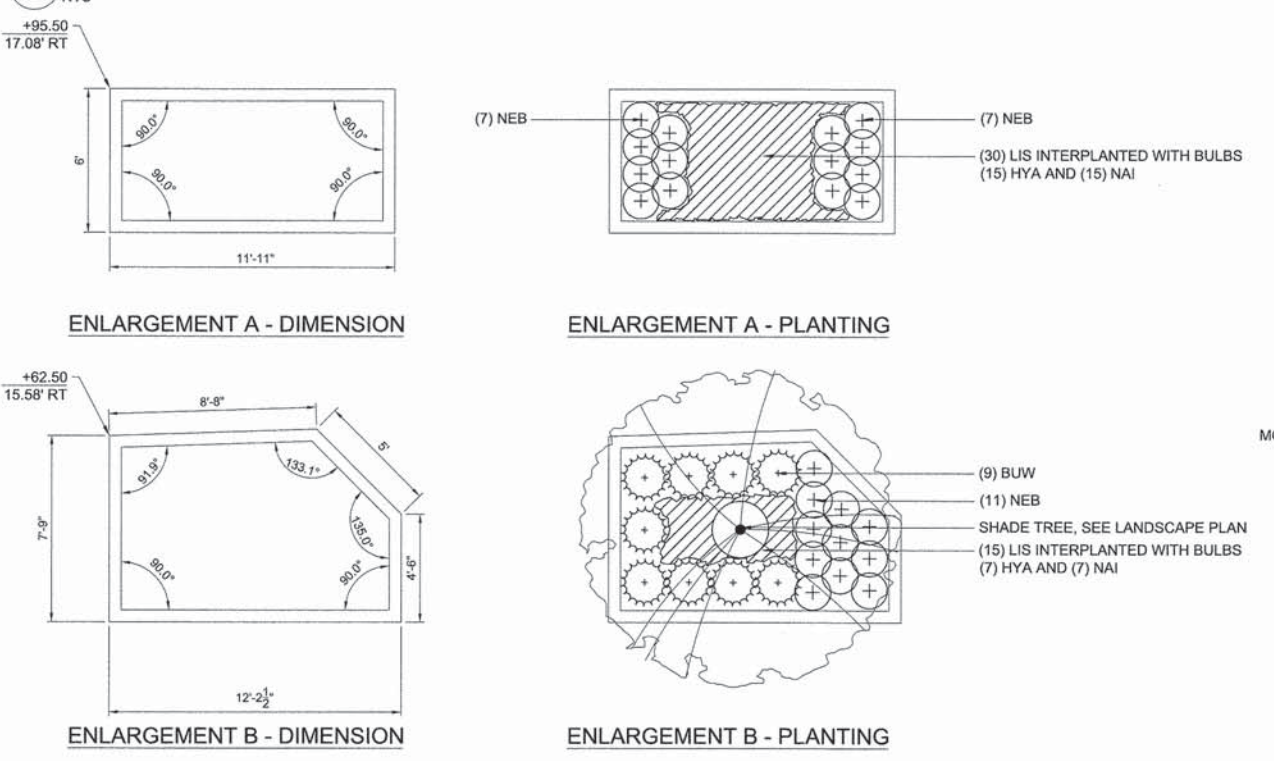
SCALE: 1"=20'    SHEET 1    OF 1    SHEETS    STA.    TO STA.



**PLANT SCHEDULE**

QTY.	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
<b>SHADE TREES</b>						
6	N/A	GLS	GLEDITSIA TRIACANTHOS 'SKYLINE'	SKYLINE HONEYLOCUST	3" CAL.	B&B
2	N/A	GVD	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	3" CAL.	B&B
4	N/A	TAD	TAXODIUM DISTICHUM	BALDCYPRESS	4" CAL.	B&B
1	N/A	ULA	ULMUS ACCOLADE	ACCOLADE ELM	3" CAL.	B&B
6	N/A	ULF	ULMUS PARVIFOLIA 'FRONTIER'	FRONTIER ELM	3" CAL.	B&B
<b>SHRUBS</b>						
9	N/A	BUW	BUXUS MICROPHYLA 'WINTERGREEN'	WINTERGREEN LITTLELEAF BOXWOOD	2' HT., CONT.	
<b>PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT</b>						
25	0.25	NEB	NEPETA X MUSSINI 'BLUE WONDER'	BLUE WONDER CATMINT	1 GALLON CONT.	18" O.C.
<b>PERENNIAL PLANTS, ORNAMENTAL TYPE, QUART POT</b>						
45	0.45	LIS	LIRIOPE SPICATA	LILYTURF	1 QUART POT	12" O.C.
<b>PERENNIAL PLANTS, BULB TYPE</b>						
22	0.22	HYA	HYACINTHS SPP.	GRAPE HYACINTH	TOP SIZE	INTERPLANT WITH LIS
22	0.22	NAI	NARCISSUS 'ICE FOLLIES'	ICE FOLLIES DAFFODIL	TOP SIZE	INTERPLANT WITH LIS

**1 PLANTER CURB PLANTING DETAIL**



**3 SHADE TREE PLANTING DETAIL**

**2 PLANTER CURB - PLANTING PLAN ENLARGEMENTS**

SCALE: 1/4" = 1'-0"

M:\SOUTH BLVD OakPark TCSP (13-227)\DESIGN\CIVIL\CADD Sheets\IMPORTED FILES FROM PROJECT\ISE\0118227-shr-1-ndscsp3.dgn



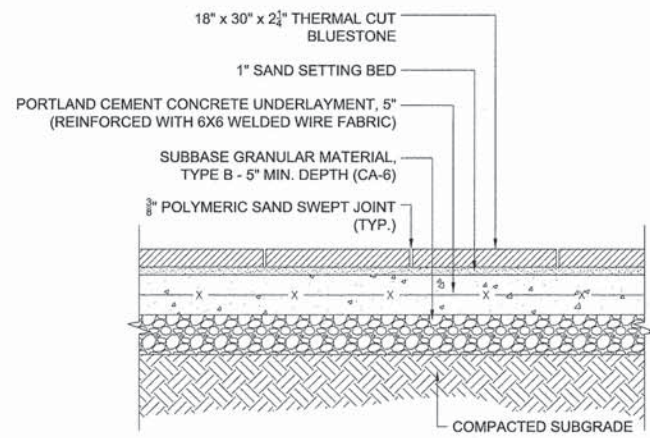
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PLOT SCALE = 20.0000 ' / in.	DRAWN - TEL	REVISED -
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	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

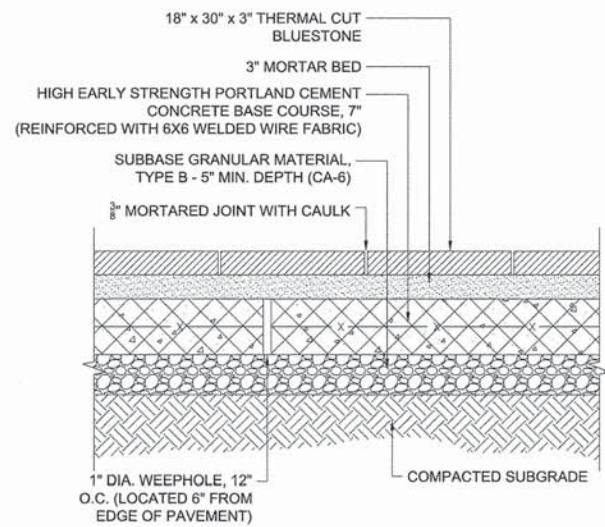
VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
LANDSCAPE DETAILS

SCALE: 1"=20' SHEET 1 OF 9 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	63
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

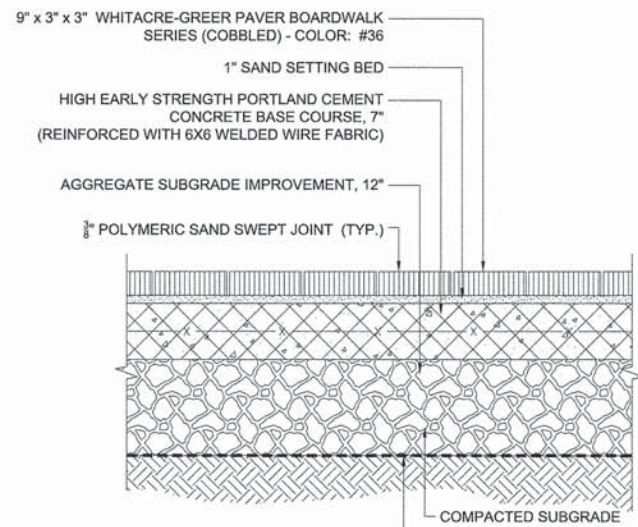


**TYPE A**



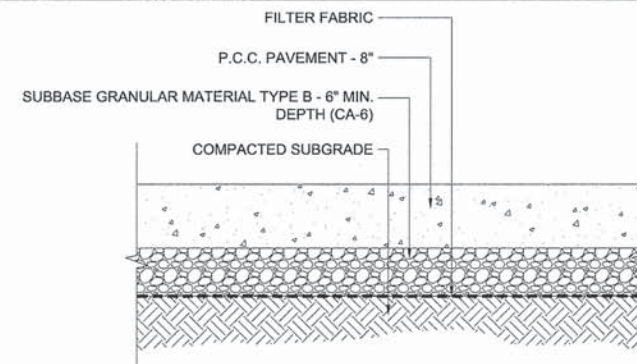
**TYPE B (AT COMMERCIAL DRIVEWAY)**

**1 PAVER BLOCKS, SPECIAL**  
NTS

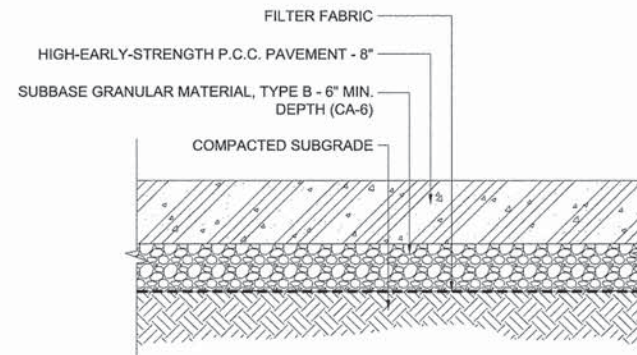


**2 BRICK PAVERS**  
NTS

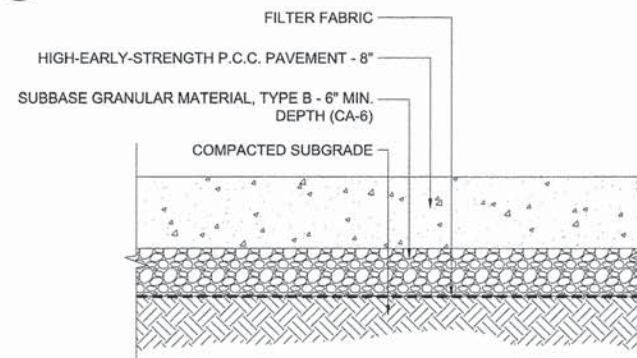
FILTER FABRIC - TENCATE MIRAFI 140N  
NON-WOVEN GEOTEXTILE SEPERATION FABRIC  
OR APPROVED EQUAL, PLACED ON COMPACTED  
SUBGRADE AND BELOW AGGREGATE BASE



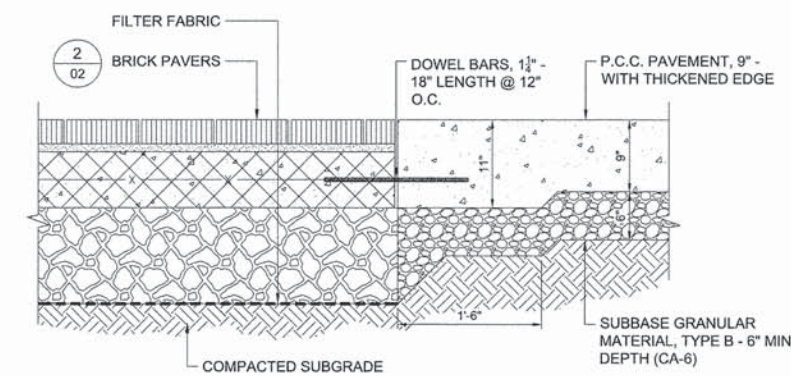
**3 PORTLAND CEMENT CONCRETE PAVEMENT 8"**  
NTS



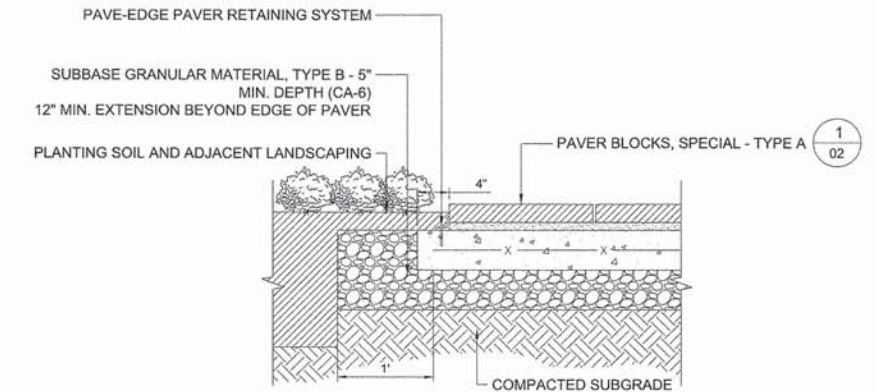
**4 HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 8"**  
NTS



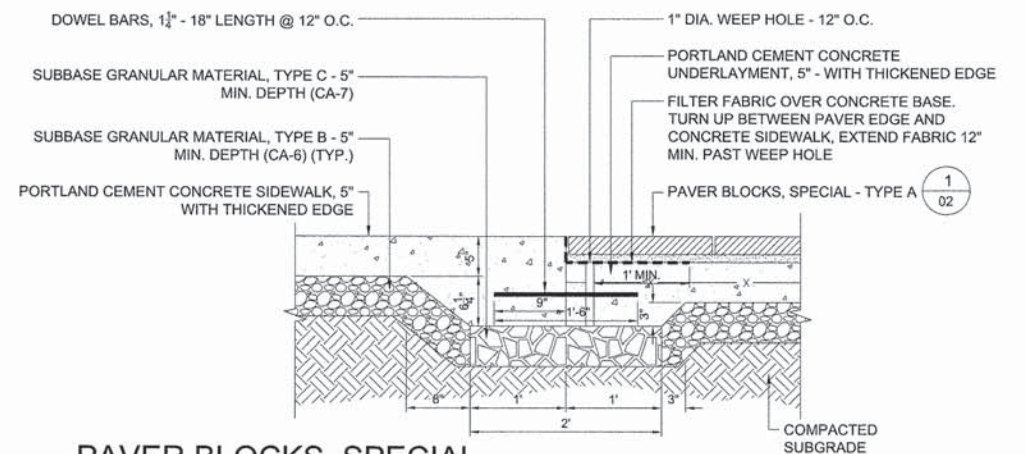
**5 PORTLAND CEMENT CONCRETE PAVEMENT 9"**  
NTS



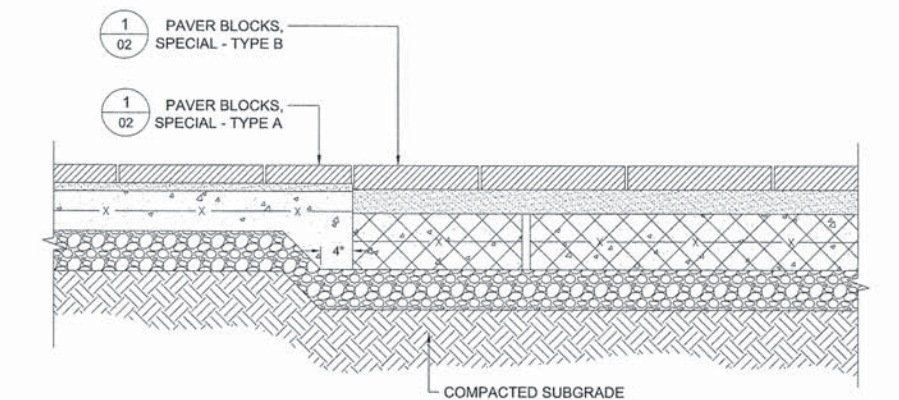
**6 BRICK PAVERS ADJACENT TO P.C.C. PAVEMENT, 9"**  
NTS



**7 PAVER BLOCKS, SPECIAL ADJACENT TO LANDSCAPE**  
NTS



**8 PAVER BLOCKS, SPECIAL ADJACENT TO P.C.C. SIDEWALK, 5"**  
NTS



**9 PAVER BLOCKS, SPECIAL - TYPE A TO TYPE B TYPICAL TRANSITION**  
NTS

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USER NAME = BernardB	DESIGNED - TEL	REVISED -
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	DATE - 9/3/2015	REVISED -

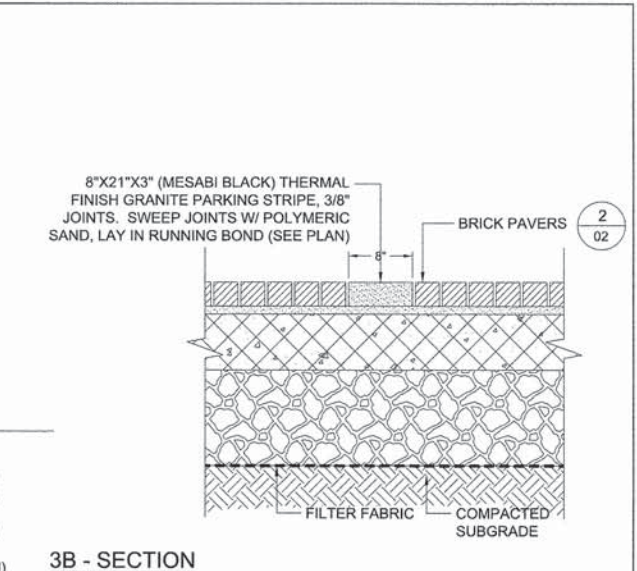
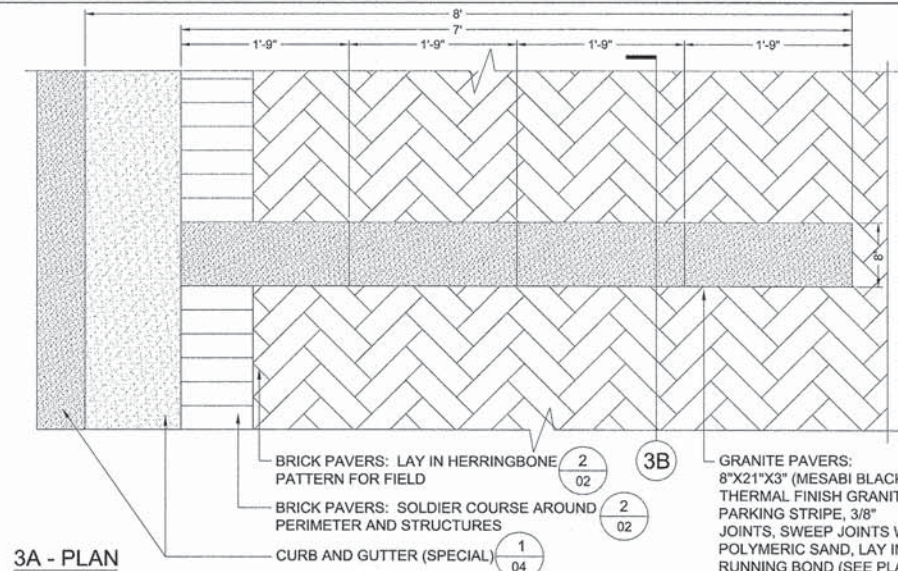
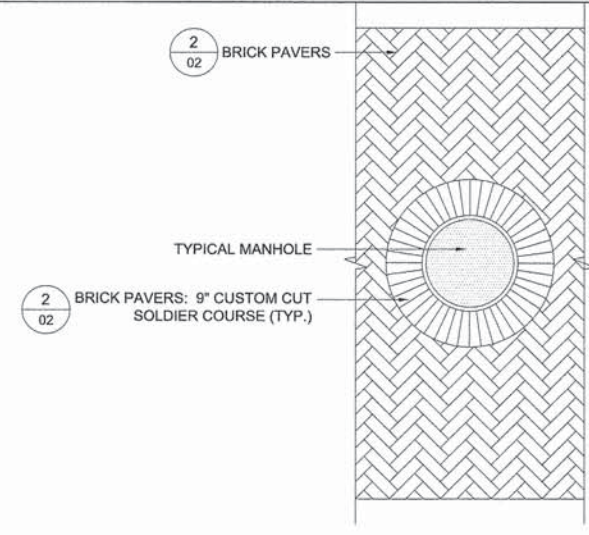
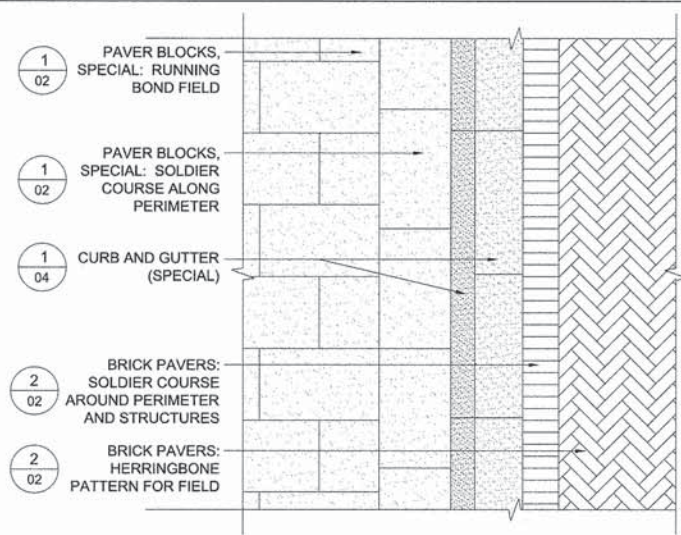
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
HARDSCAPE DETAILS

SCALE: 1"=20' SHEET 2 OF 9 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	64
CONTRACT NO. 61B99			ILLINOIS FED. AID PROJECT	

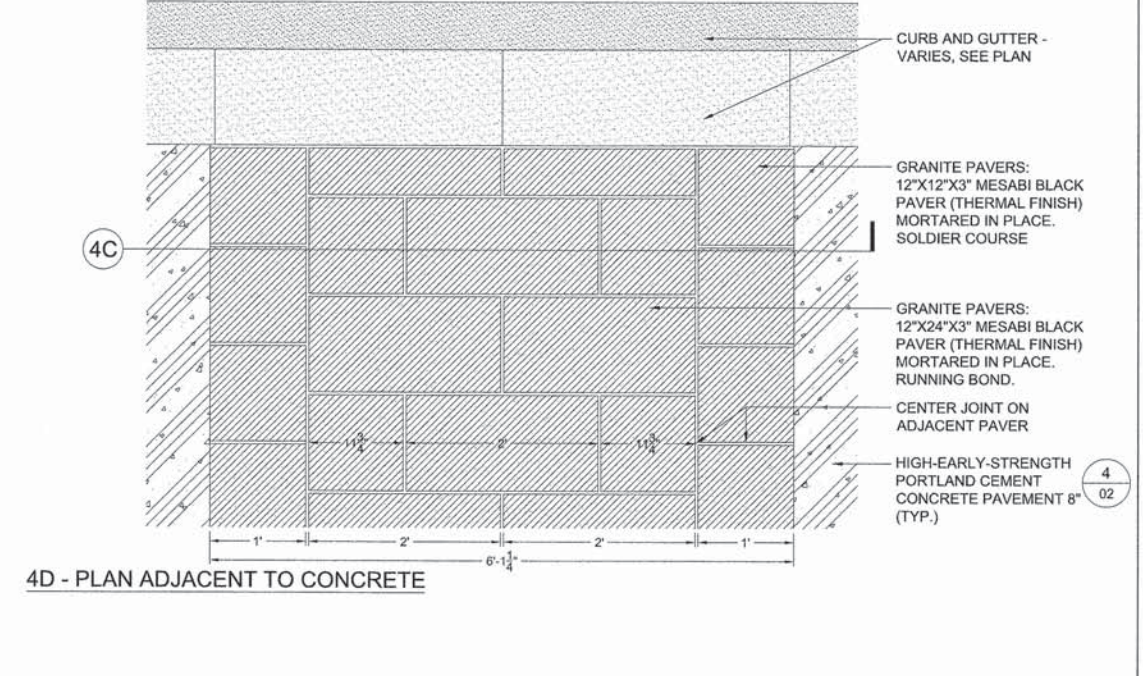
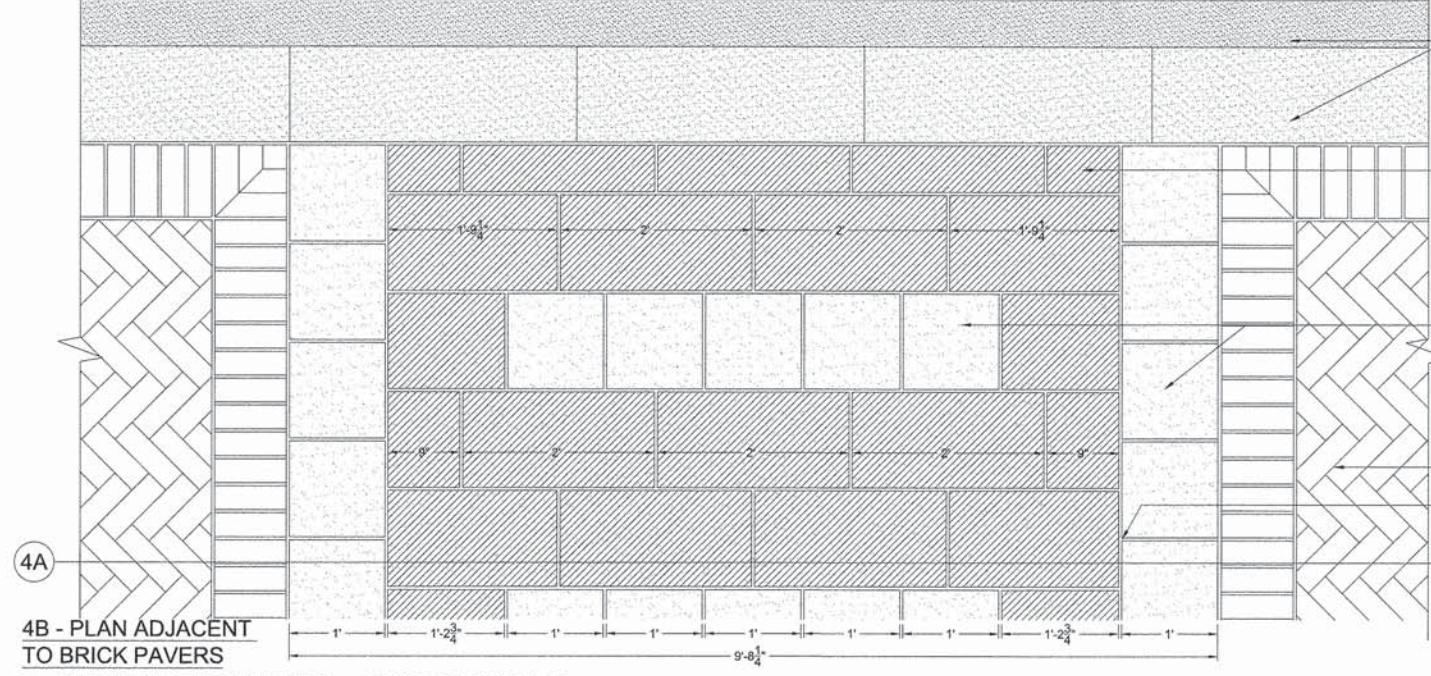
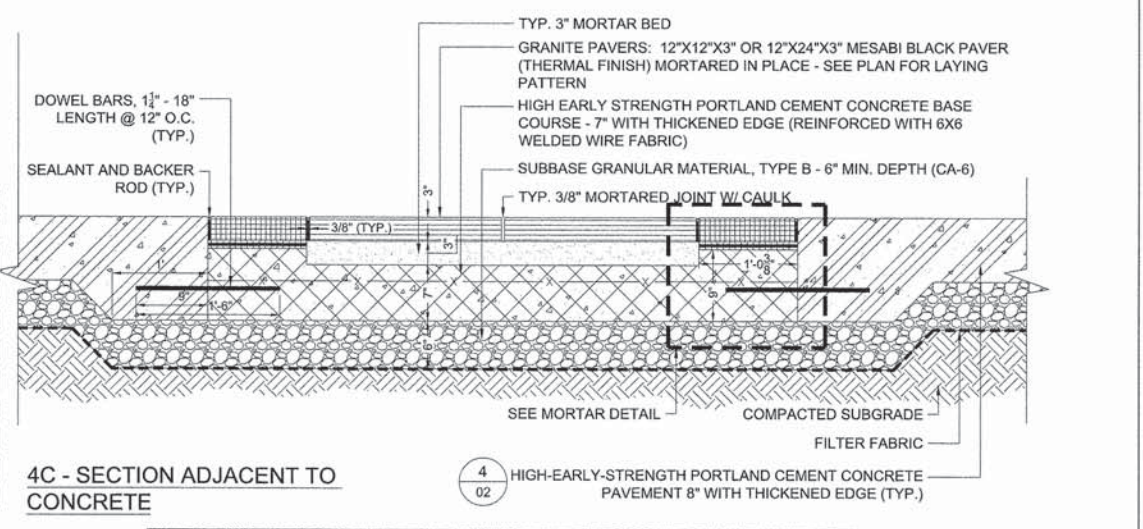
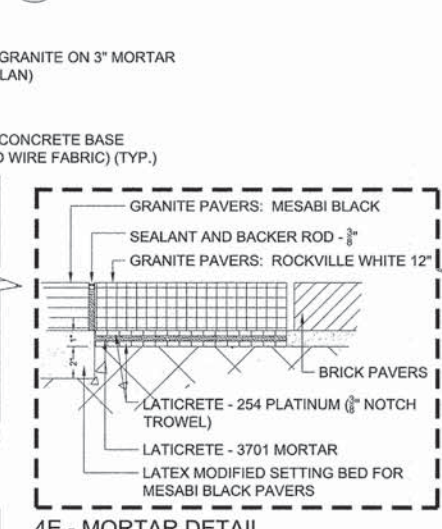
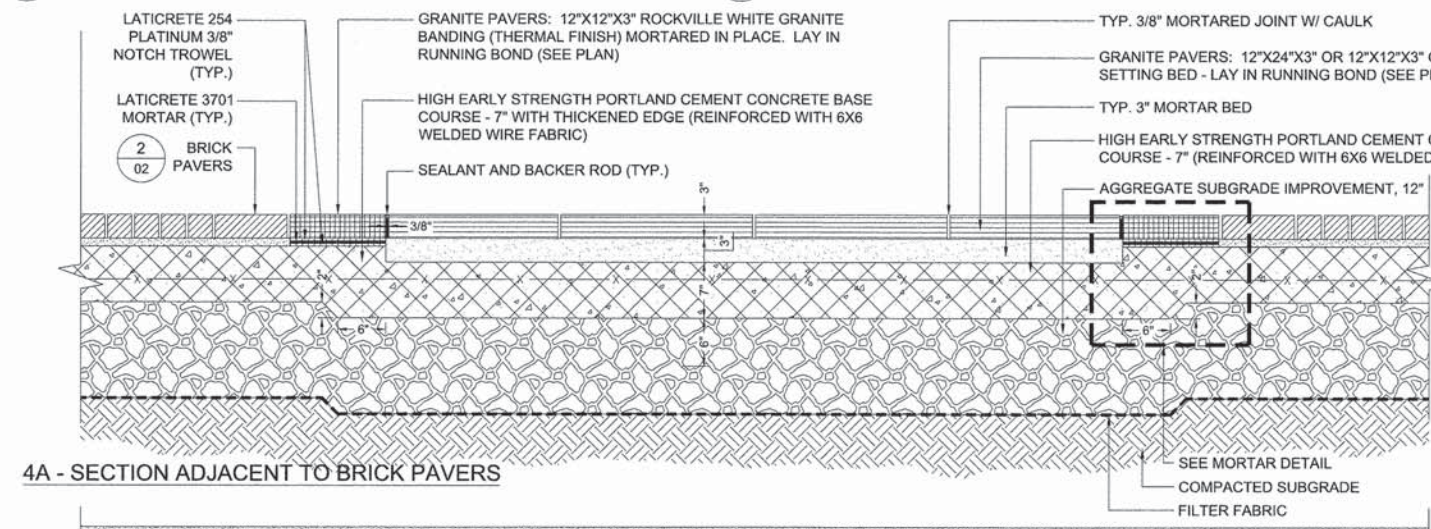




1 TYPICAL PAVER LAYING PATTERN  
NTS

2 MANHOLE BRICK DETAIL (PLAN VIEW)  
NTS

3 GRANITE PAVERS: PARKING STRIPE  
NTS



4 GRANITE PAVERS: CROSSWALK  
NTS

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 In final



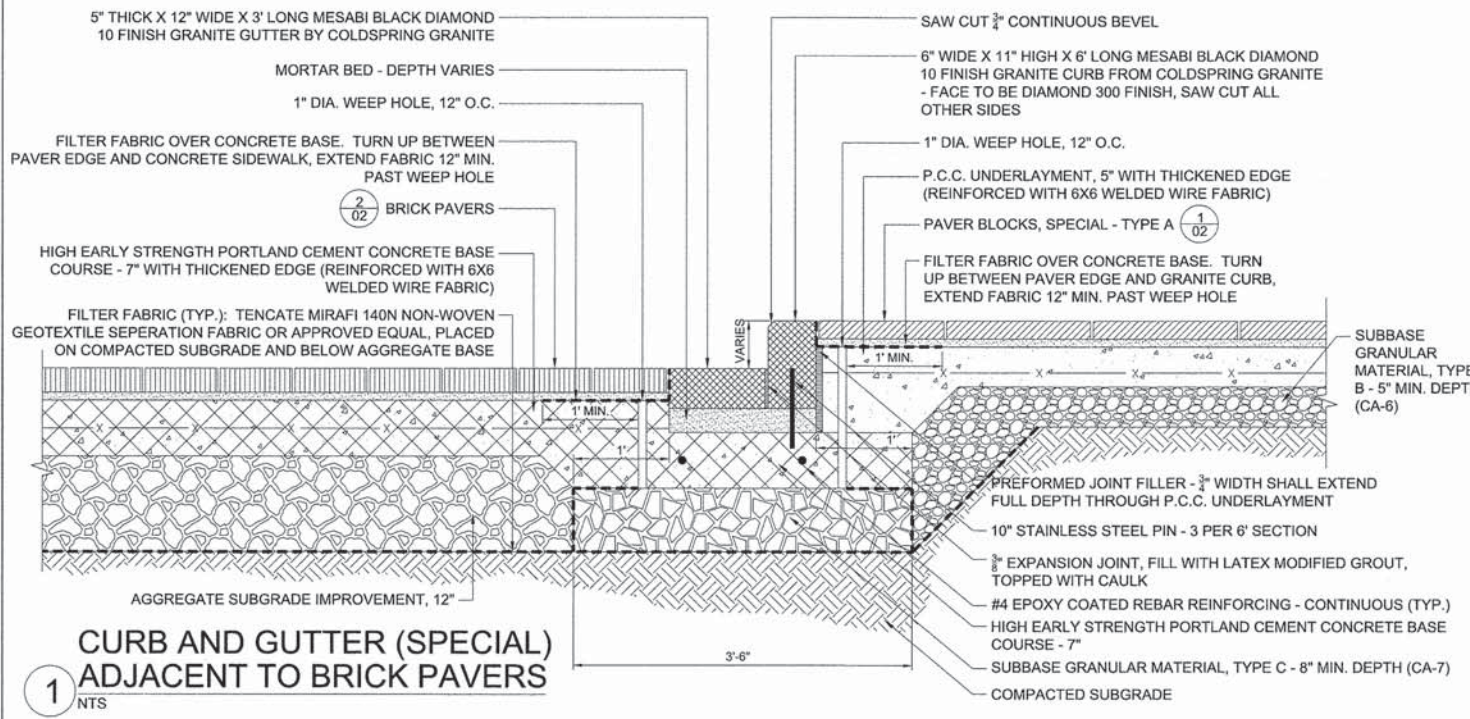
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

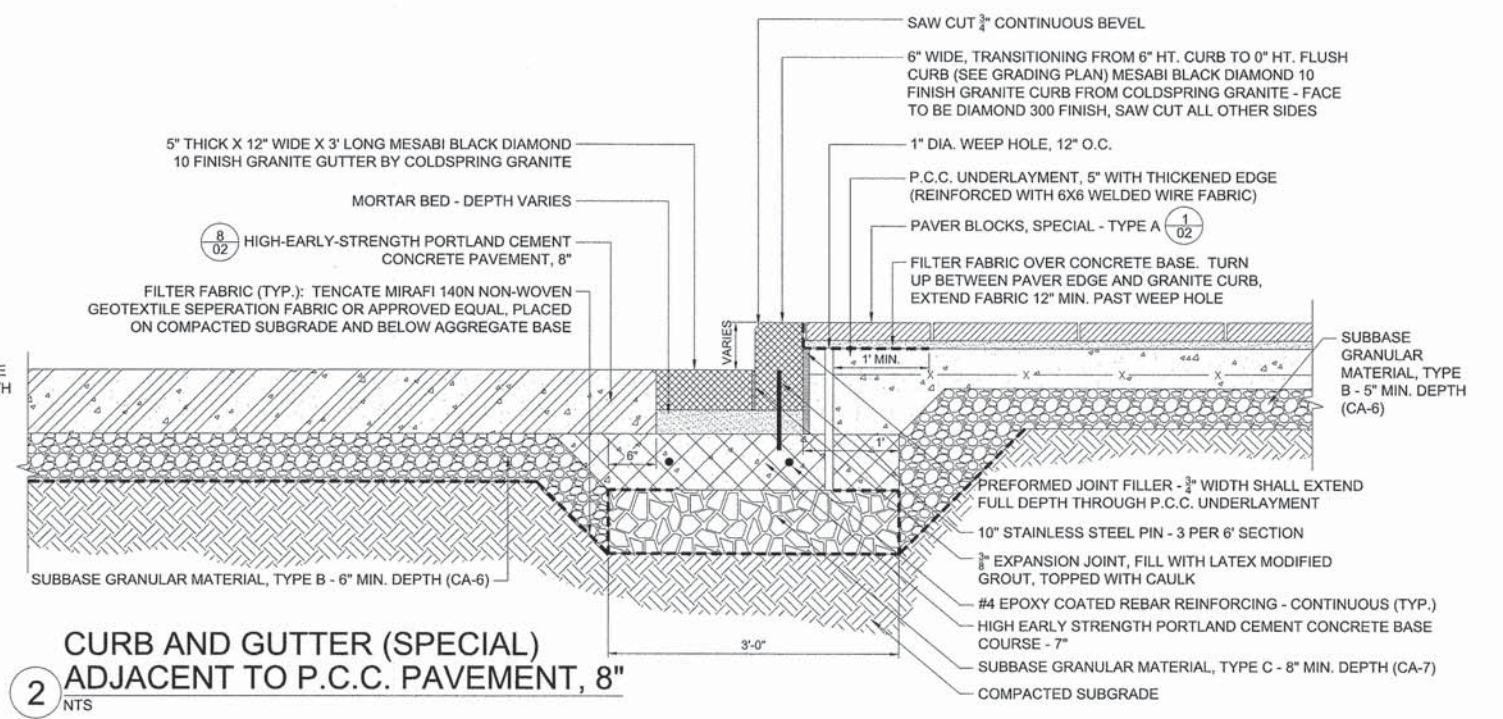
VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
HARDSCAPE DETAILS

F.A. RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

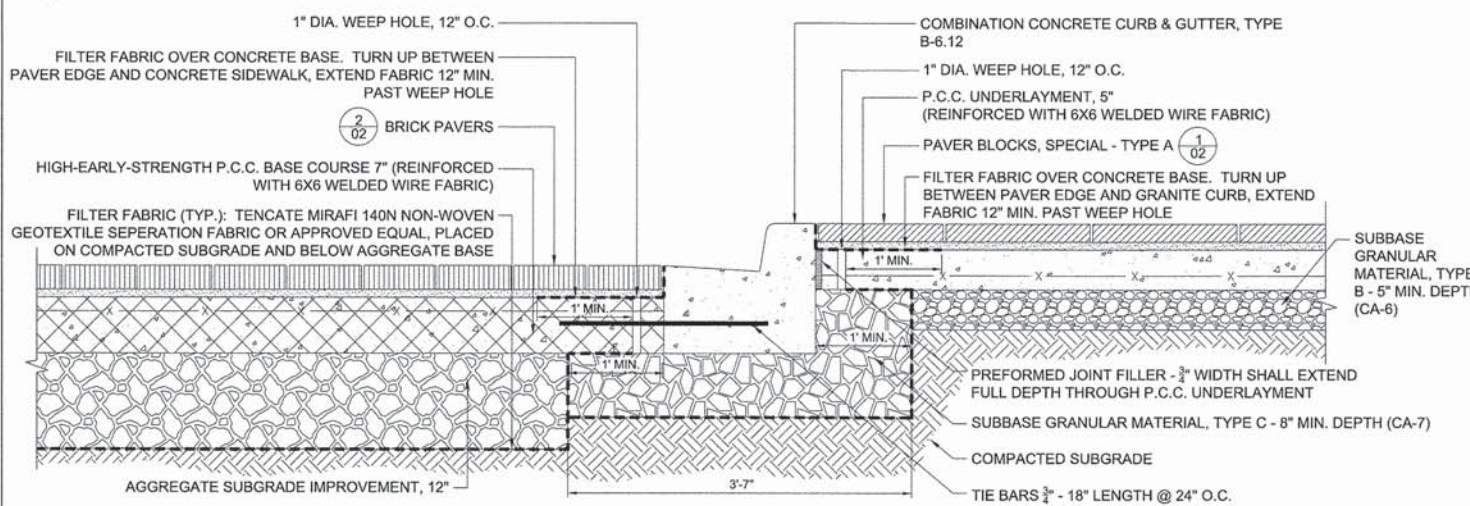
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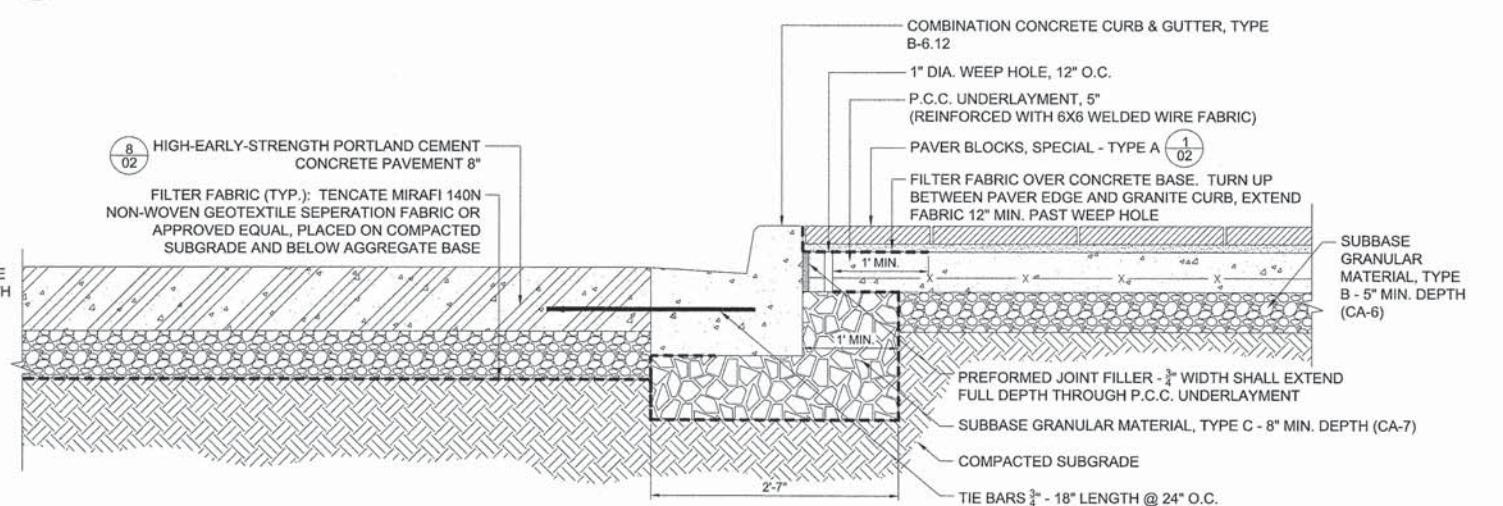
**1** CURB AND GUTTER (SPECIAL) ADJACENT TO BRICK PAVERS



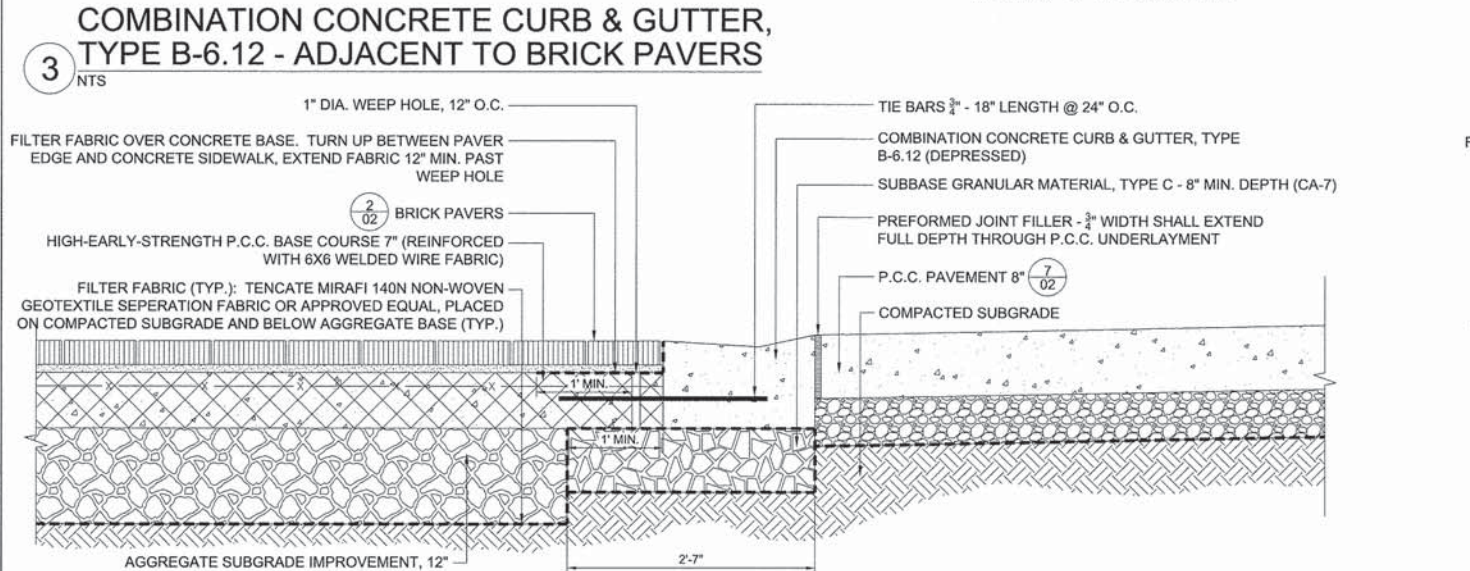
**2** CURB AND GUTTER (SPECIAL) ADJACENT TO P.C.C. PAVEMENT, 8"



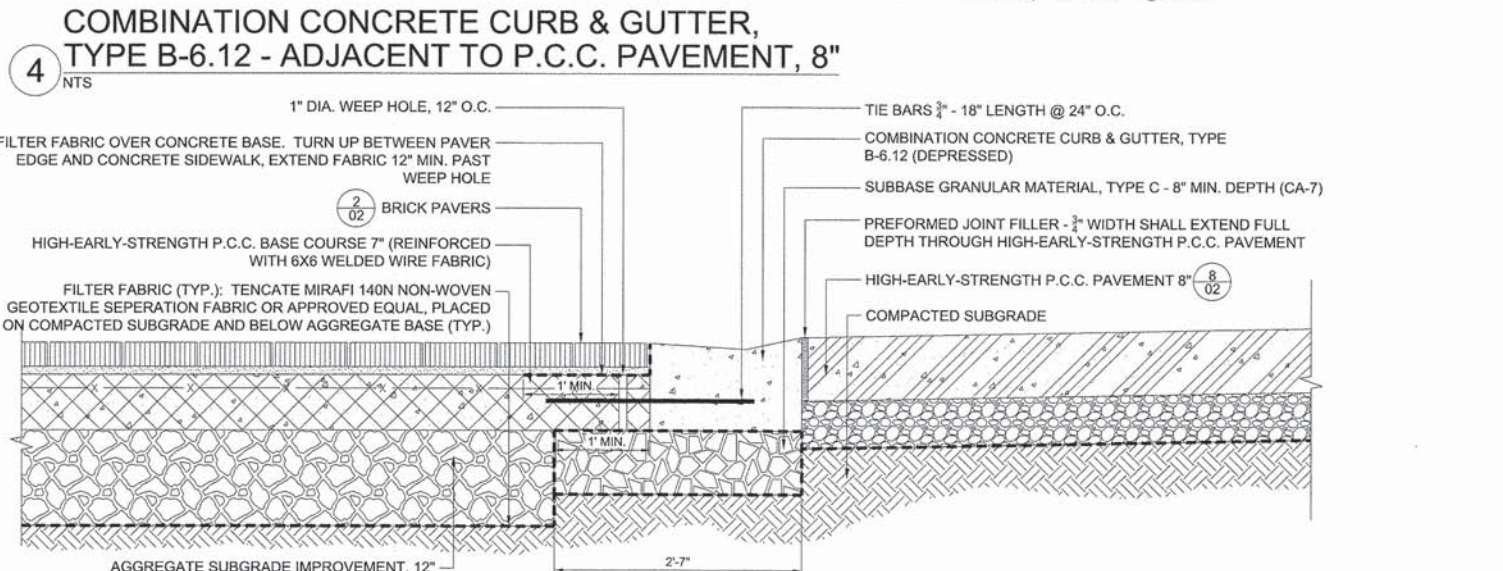
**3** COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 - ADJACENT TO BRICK PAVERS



**4** COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 - ADJACENT TO P.C.C. PAVEMENT, 8"



**5** COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (DEPRESSED)



**6** COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (DEPRESSED)

MASSOUEH BLVD OakPark TCSP 13-227ADDESIGNCIVIL\CADD Sheets\IMPORTED FILES FROM PROJECT\MISE\0110227-akt-1\dsd66.dgn  
 On fault



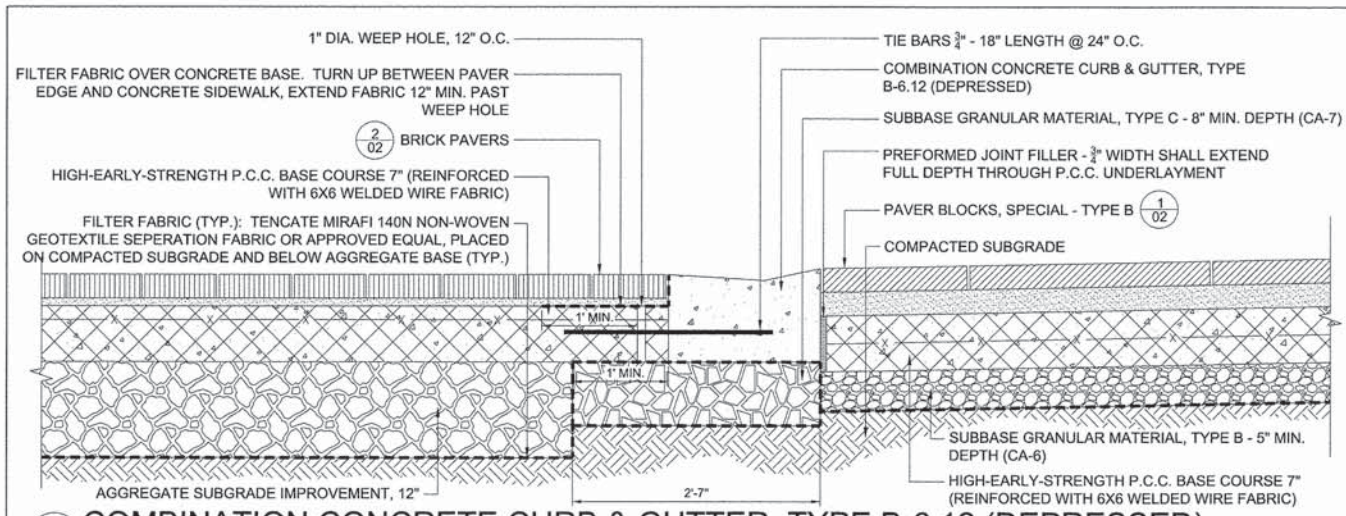
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

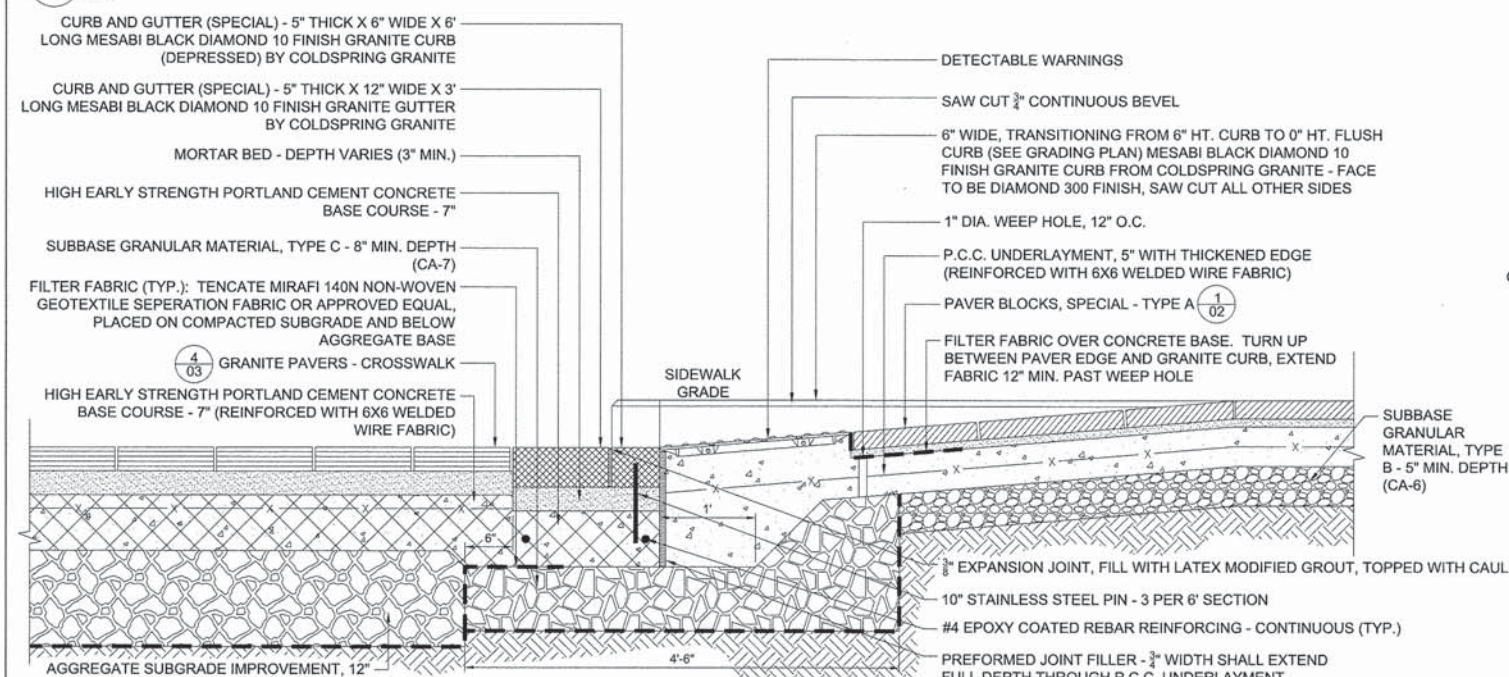
VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
HARDSCAPE DETAILS

SCALE: 1"=20' SHEET 4 OF 9 SHEETS STA. TO STA.

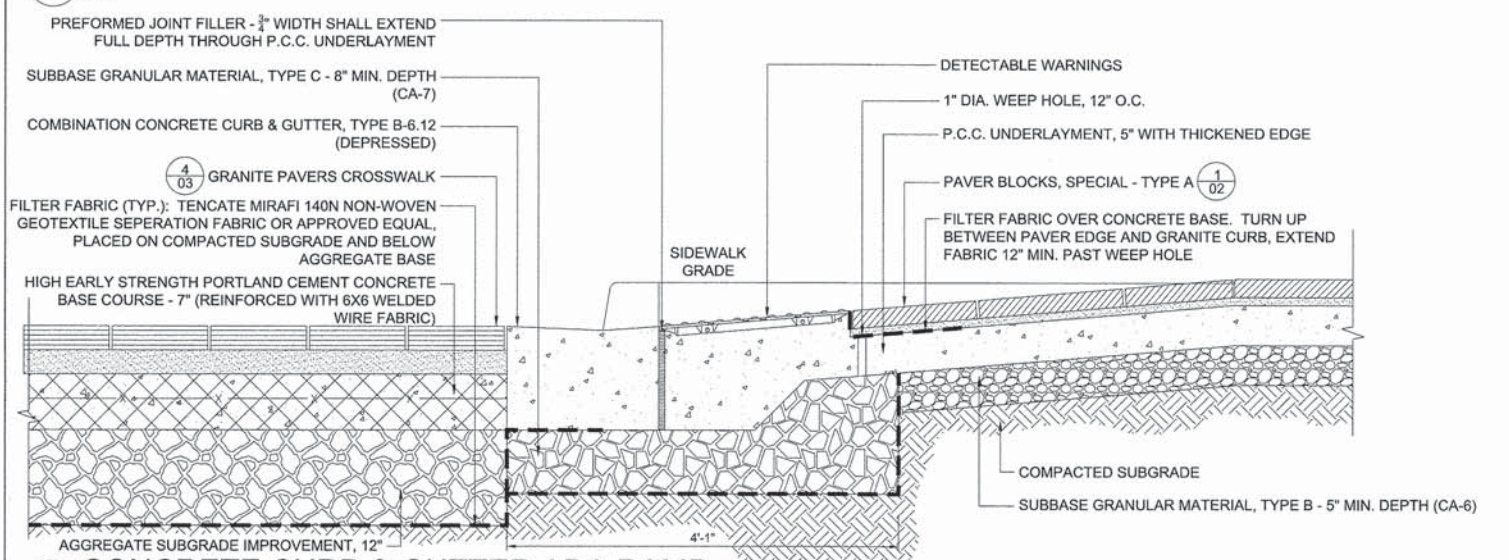
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	66
CONTRACT NO. 61B99			ILLINOIS FED. AID PROJECT	



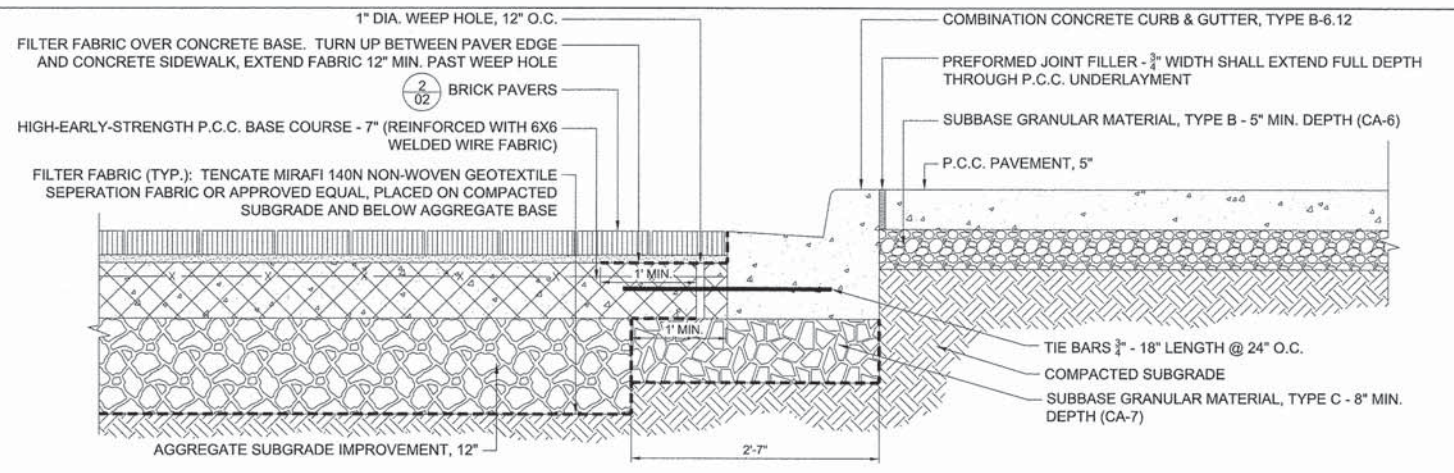
1 COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (DEPRESSED)  
 NTS



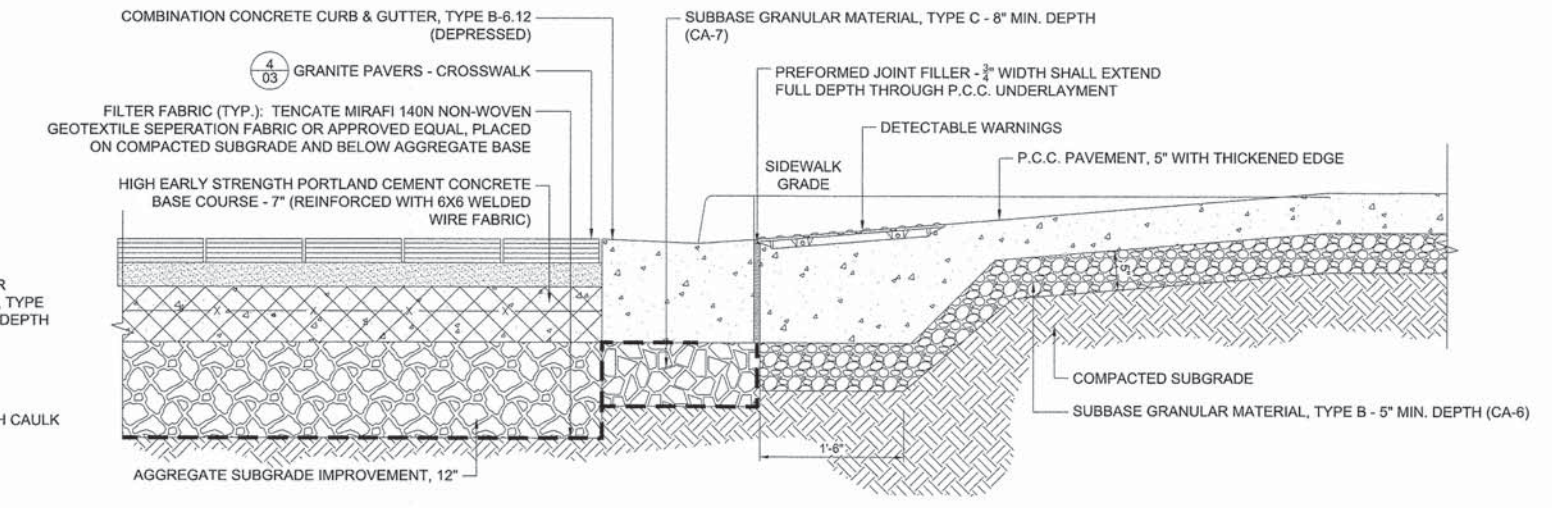
3 GRANITE CURB & GUTTER ADA RAMP  
 NTS



5 CONCRETE CURB & GUTTER ADA RAMP  
 NTS



2 COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 - ADJACENT TO P.C.C. PAVEMENT, 5"  
 NTS



4 CONCRETE CURB & GUTTER ADA RAMP - ADJACENT TO P.C.C. PAVEMENT, 5"  
 NTS

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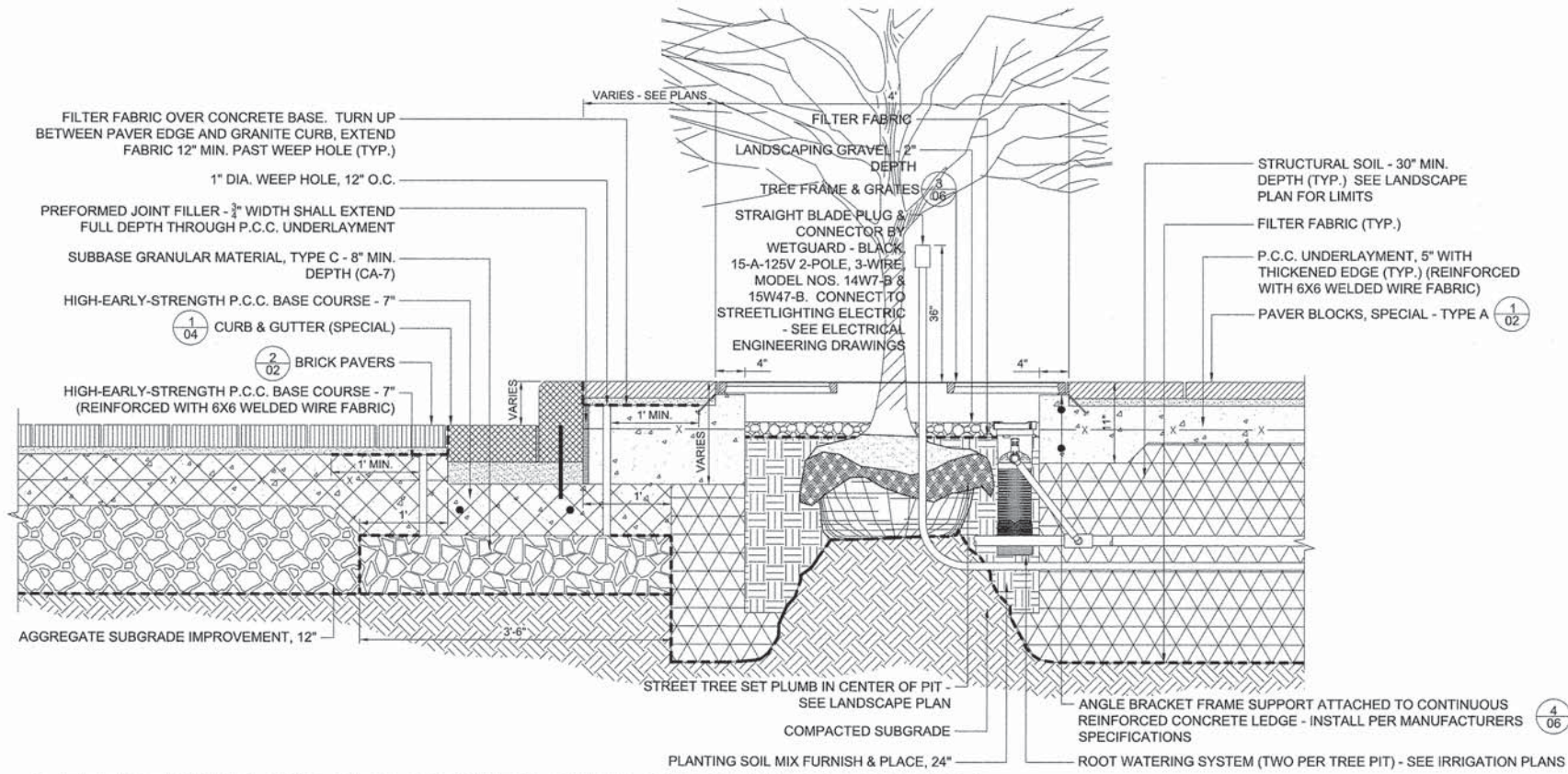


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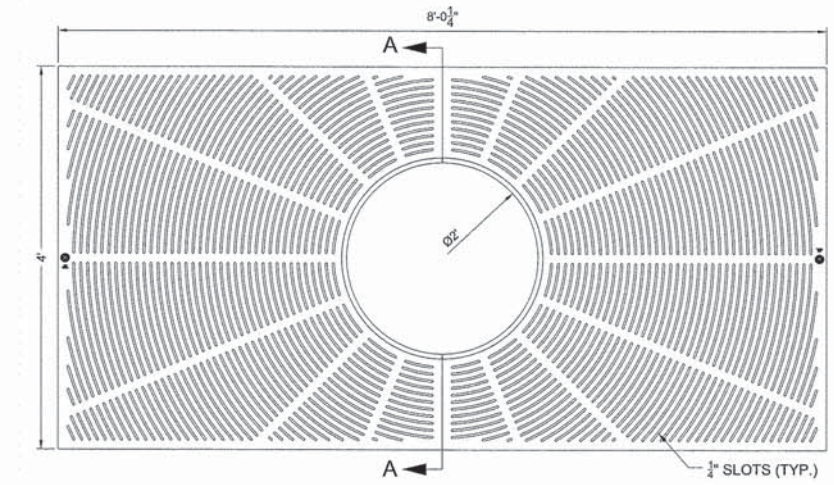
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 HARDSCAPE DETAILS  
 SCALE: 1"=20' SHEET 5 OF 9 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	67
CONTRACT NO. 61899				
ILLINOIS FED. AID PROJECT				



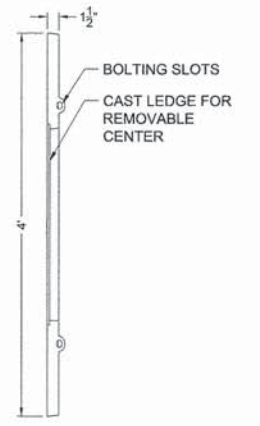
**1 TREE FRAME AND GRATES WITH CURB AND GUTTER (SPECIAL)**  
NTS



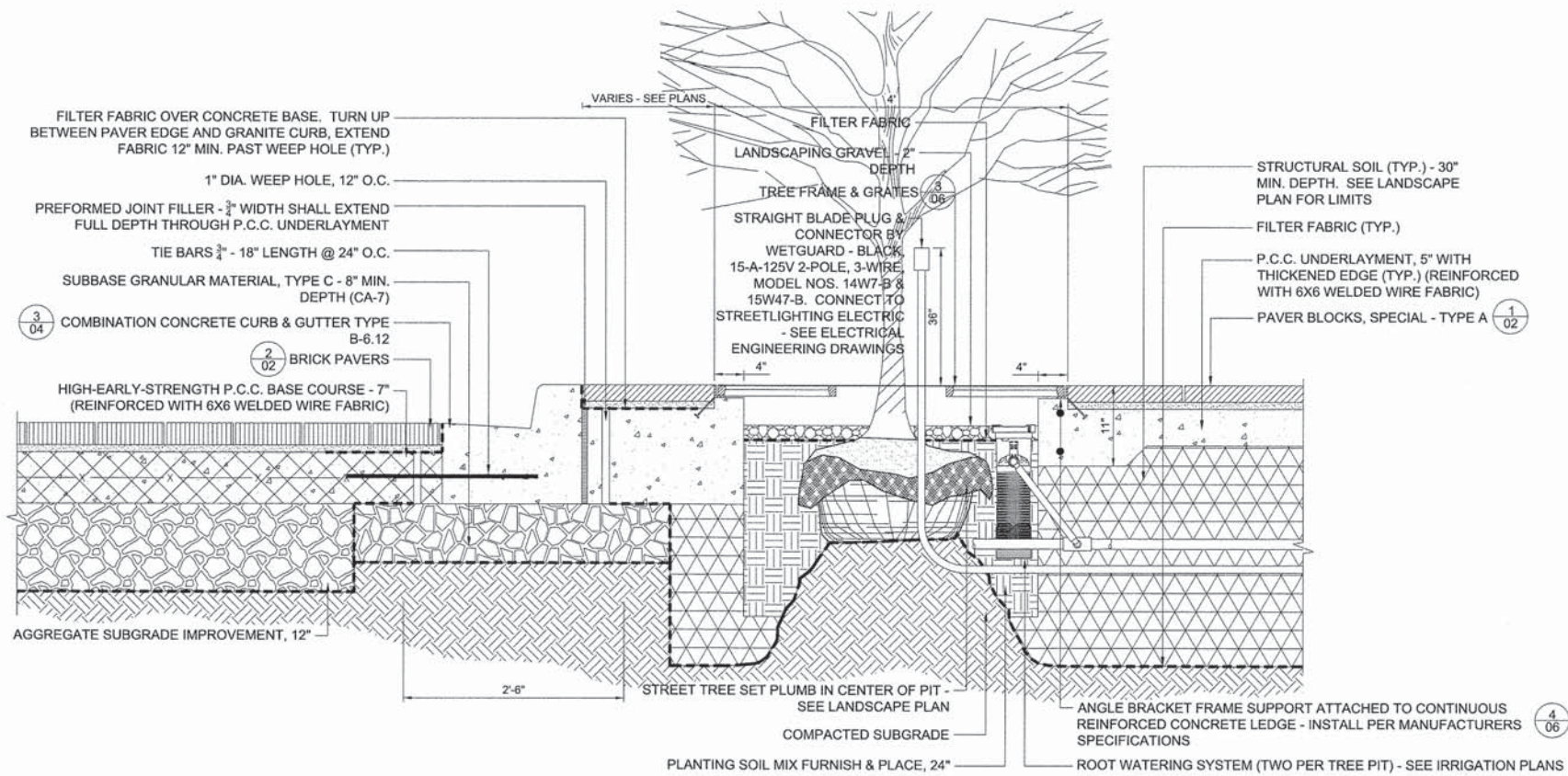
**PLAN**

MANUFACTURER: EAST JORDAN IRON WORKS  
MODEL: 8954-4 PLAZA ASSEMBLY - 4'X8'

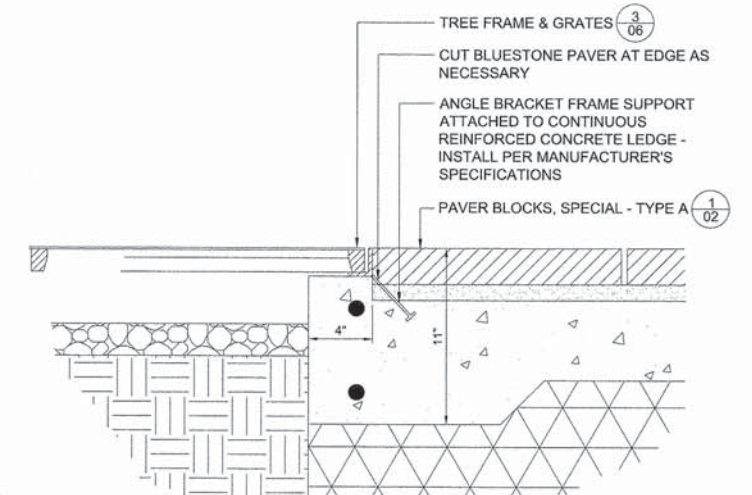
**3 TREE FRAME & GRATES**  
NTS



**SECTION A-A**



**2 TYPICAL TREE PIT WITH CONCRETE CURB**  
NTS



**4 TREE FRAME & GRATES MOUNTING DETAIL**  
NTS

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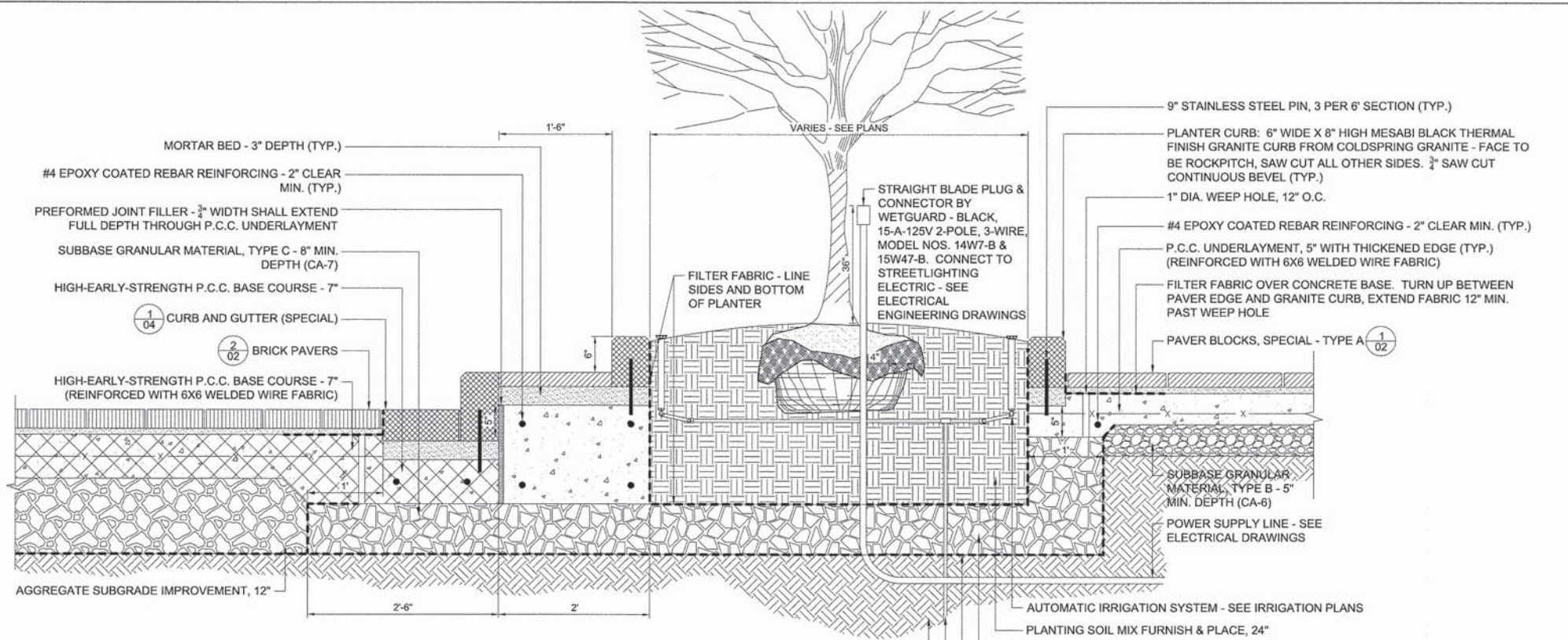
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

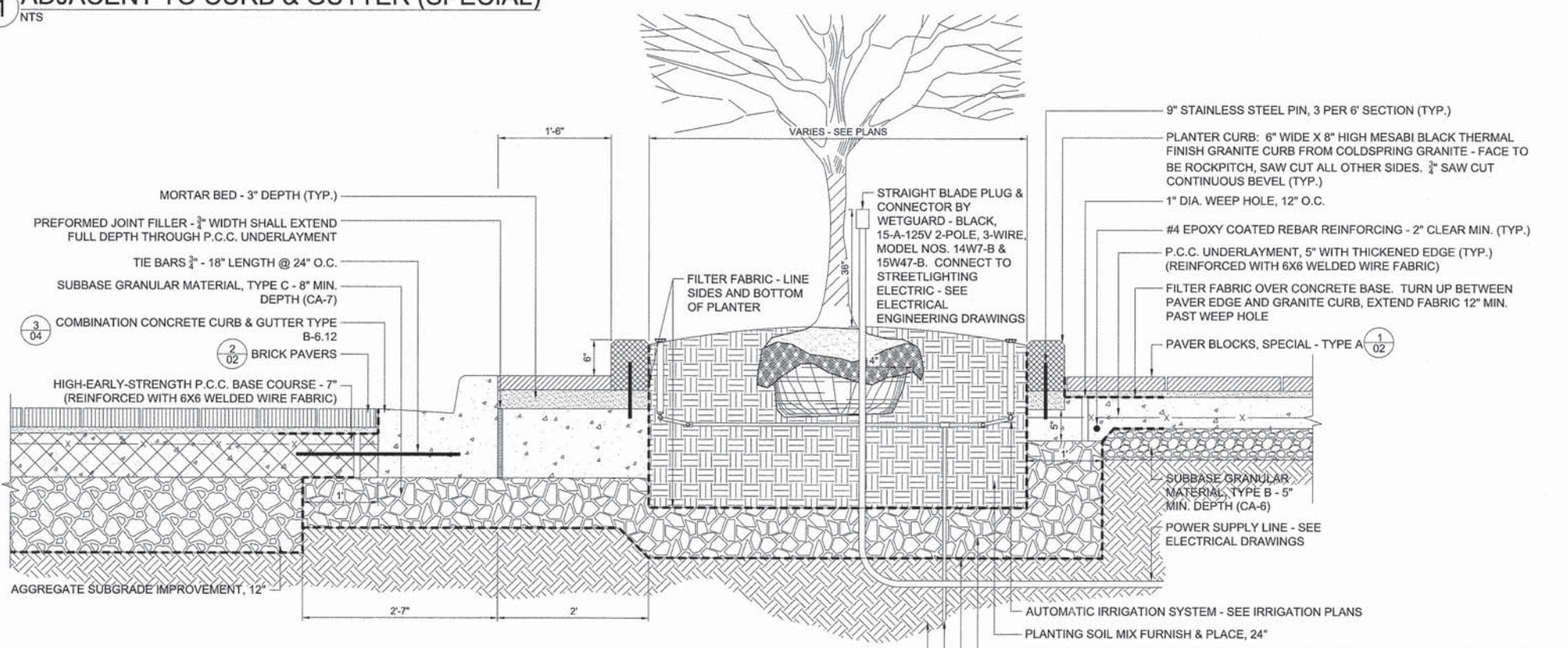
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
TREE GRATE DETAILS**

SCALE: 1"=20' SHEET 6 OF 9 SHEETS STA. TO STA.

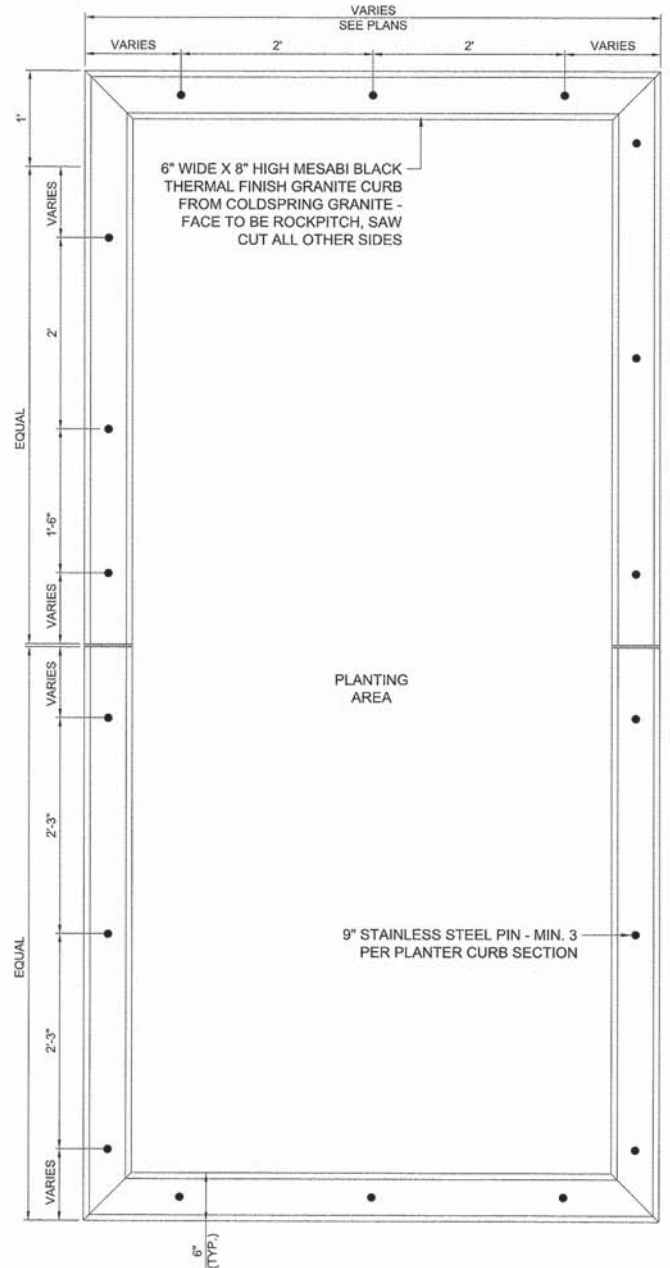
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	68
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



**1 PLANTER CURB ADJACENT TO CURB & GUTTER (SPECIAL)**  
NTS



**2 PLANTER CURB ADJACENT TO CONCRETE CURB & GUTTER**  
NTS



**3 PLANTER CURB - TYPICAL PLAN**  
NTS

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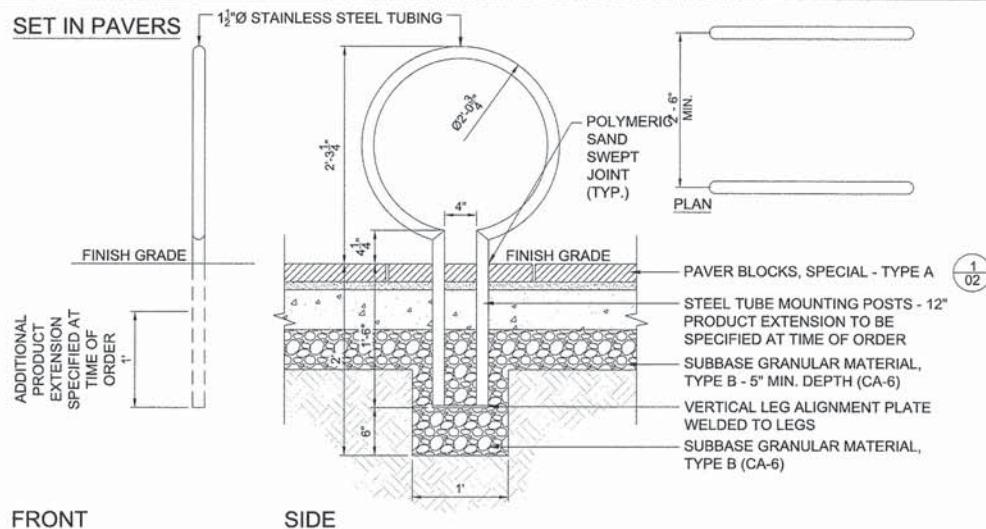


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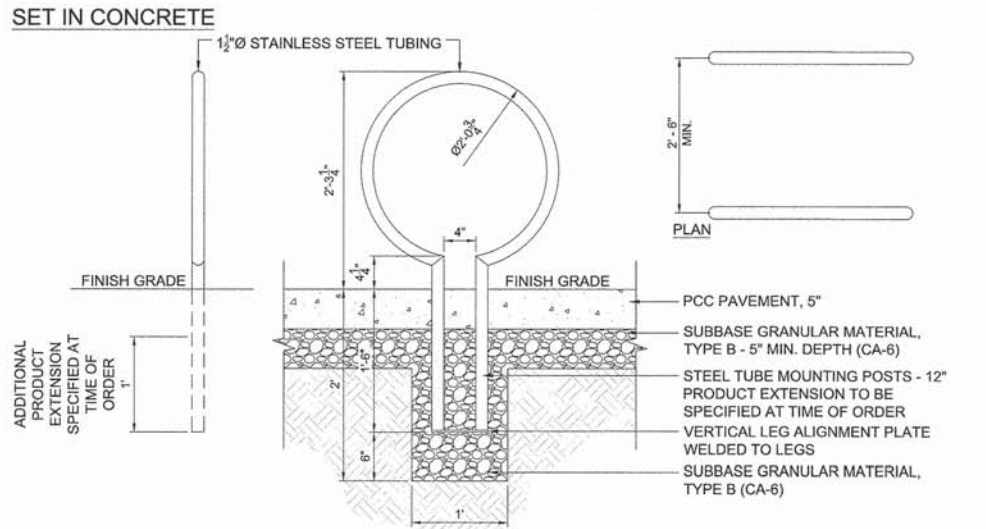
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
PLANTER CURB DETAILS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	69
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

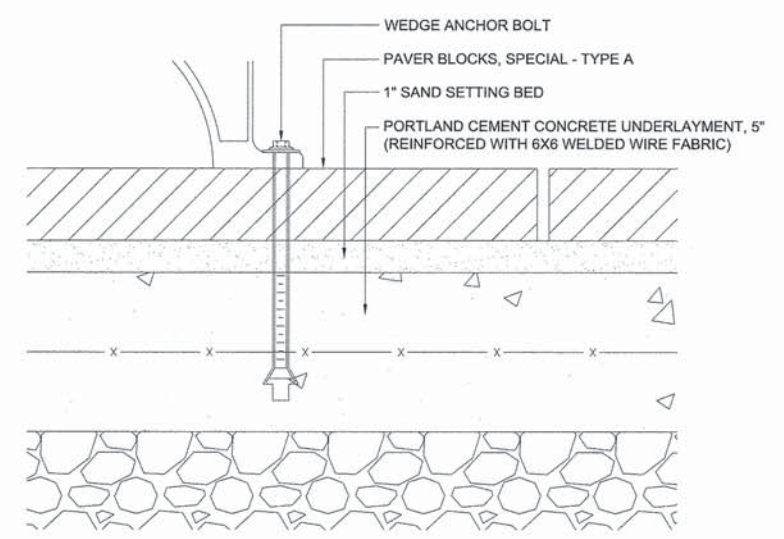


FRONT SIDE

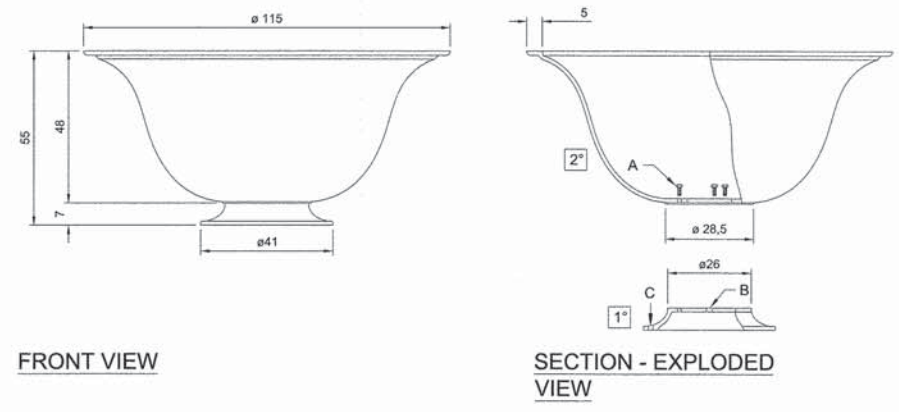


FRONT SIDE

**1 BICYCLE RACKS**  
SCALE: 1" = 1'-0"



**2 SITE FURNITURE ANCHOR DETAIL**  
NTS



**3 PLANTER**  
NTS

**DESCRIPTION:**  
FLOWER TUB IN UNI EN 1561 CAST-IRON, CORRESPONDING IN SHAPE, SIZE AND ORNAMENTATION TO THE DIAGRAM, WHICH IS AN INTEGRAL PART OF THE SPECIFICATIONS.

THE FLOWER TUB IS COMPOSED AS FOLLOWS:  
1. A TAPERED AND CONTOURED CAST-IRON PEDESTAL (HEIGHT 7 CM, LOWER DIA. 4.1 CM, TOP DIA. 2.6 CM) WITH ONE HOLE (Ø - DIA. 2 CM) FOR WATER DRAINAGE AND THREE HOLES (C - DIA. 1.4 CM) FOR SECURING TO THE GROUND WITH FIXING LUGS OR ANCHOR BOLTS. THE PEDESTAL IS FIXED TO THE BOWL (2) WITH THREE M10 STAINLESS STEEL BOLTS (A).  
2. A TAPERED AND CONTOURED CAST-IRON FLOWER BOWL (HEIGHT 48 CM, LOWER DIA. 28.5 CM, TOP DIA. 115 CM), WITH A PROJECTING RIM AT THE TOP (THICKNESS 5 CM).

THE TOTAL HEIGHT OF THE FLOWER TUB IS 55 CM, WITH A DIAMETER OF 115 CM. THE BOWL HAS A CAPACITY OF 200 CUBIC DECIMETRES, AND THE TOTAL WEIGHT IS APPROXIMATELY 150 KILOGRAMS.

**PROTECTION OF SURFACES:**  
PLEASE REFER TO THE SPECIFICATION ON PAINTING PROCEDURES OF THE MATERIALS.

**NOTE:**  
CONTRACTOR SHALL PROVIDE PLANTERS & SOIL VILLAGE TO PROVIDE PLANTINGS

**VICTOR STANLEY, INC.**  
Manufacturers of Quality Site Furnishings since 1961.

P.O. DRAWER 300 - DUNKIRK, MO 20754 USA  
TOLL FREE: (800) 588-2573 (USA & CANADA)  
TEL (301) 855-8000 - FAX (410) 257-7579  
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

\* ALL DIMENSIONS ARE IN INCHES \*

**AVAILABLE OPTIONS:**  
POWDER COATING  
10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)  
CUSTOM PLACES & DECALS  
AVAILABLE WITH STEEL PLAQUES IN VARIOUS SIZES AND PRESSURE SENSITIVE VINYL OUTDOOR DECALS.

**LIDS**  
STANDARD TAPERED FINISH LID. AVAILABLE WITH OPTIONAL DOME LID (AS SHOWN), DOME LID WITH STAINLESS STEEL ASHTRAY, CONVEX LID, CONVEX LID WITH SELF-CLOSING BOOM, RAIN BOWMET LID, RAIN BOWMET LID WITH STAINLESS STEEL ASHTRAY, AND RECYCLE LIDS. ASHTRAYS AVAILABLE WITH OPTIONAL ASHTRAY COVER.

**SECURITY**  
LID IS SECURED WITH VINYL COATED GALVANIZED STEEL AIRCRAFT CABLE. CABLE IS LOOPED AROUND WELDED IN PLACE ATTACHMENT BRACKETS AND CRIMPED IN PLACE.

**NOTES:**  
1. DIMENSIONS NOT TO SCALE. NO NET SCALE DRAWINGS.  
2. ALL FABRICATED METAL COMPONENTS ARE STEEL, UNPOLISHED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).  
3. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.  
4. VICTOR STANLEY, INC., PLASTIC TANK LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RISERS, INTEGRAL HANDHOLES, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.  
5. ANCHOR BOLT(S) NOT PROVIDED BY VICTOR STANLEY, INC.  
6. FOR HIGH SALT ABRASIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITER SPECIFICATIONS FOR DETAILS.  
7. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.  
8. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

**T-45**  
T SERIES™  
45-GALLON LITTER RECEPTACLE  
SHOWING OPTIONAL DOME LID

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REV. 8/29/11 DRAWN R.G.D. 2011-091

**4 TRASH RECEPTACLE, FURNISH & INSTALL**  
NTS

M:\SOUTH BLVD OakPark\_TCSP\_013-227A\DESIGN\CIVIL\CADD Sheets\IMPORTED FILES FROM PROJECT\WISE\01152227-akt-Indescrip10.dgn Default



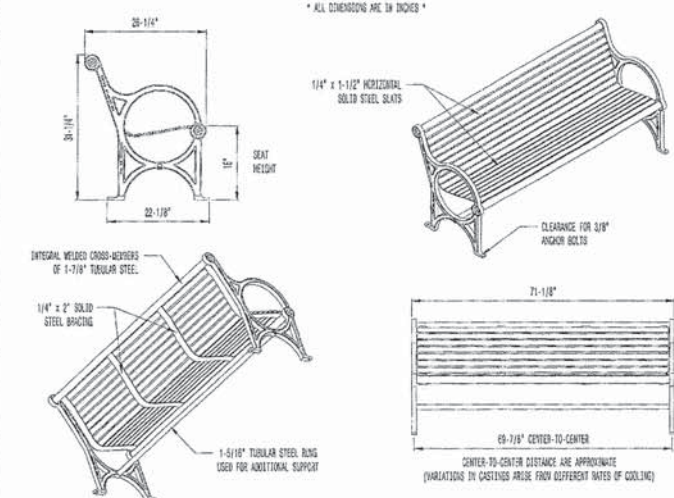
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PLOT SCALE = 20,0000 " / in.	DRAWN - TEL	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS**  
**SITE FURNITURE DETAILS**

SCALE: 1"=20' SHEET 8 OF 9 SHEETS STA. TO STA.

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	70
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



AVAILABLE OPTIONS:  
POWDER COATING  
10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS,  
CUSTOM COLORS (INCLUDING THE RAL RANGE)  
INTERMEDIATE & CENTER ANCHORS  
4\", 6\", & 8\"

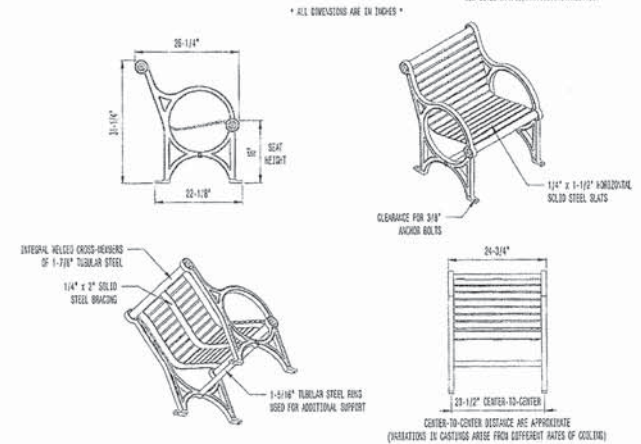
LENGTH  
STANDARD 4'  
STANDARD 6' LENGTH SHOWN  
STANDARD 8'

- NOTES:
1. DOUBLE IRON CASTINGS COME WITH A TEN YEAR WARRANTY AGAINST BREAKAGE.
  2. DIMENSIONS NOT TO SCALE. DO NOT SCALE DRAWINGS.
  3. ALL FABRICATED METAL COMPONENTS ARE STEEL, GALVANNEAL, STAINLESS, PREPARED, AND ELECTROSTATICALLY POWDER-COATED WITH T.E.C. POLYESTER POWDER COATING. PRODUCTS ARE FULLY CLEANED AND PREPARED, PREHEATED AND COATED WHILE HOT TO FULL CURE AND BUILT COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
  4. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
  5. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
  6. FOR HOT DIP GALVANIZING BEFORE POWDER COATING IS UNAVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
  7. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
  8. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.



BENCH WITH DOUBLE IRON END FRAMES  
SHOWN: STANDARD 6-FOOT LENGTH

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REV. 10/22/17 DWM L.L.L. 2010 585



AVAILABLE OPTIONS:  
POWDER COATING  
10 STANDARD COLORS, 2 OPTIONAL METALLIC COLORS,  
CUSTOM COLORS (INCLUDING THE RAL RANGE)  
INTERMEDIATE (CA-20)  
4\", 6\", & 8\"

LENGTH  
STANDARD 4'  
STANDARD 6'  
STANDARD 8'

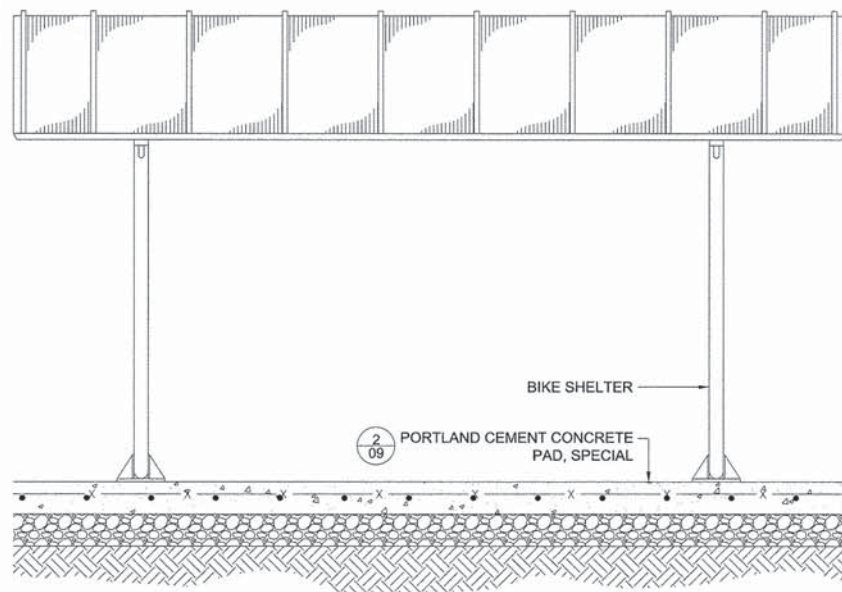
- NOTES:
1. DOUBLE IRON CASTINGS COME WITH A TEN YEAR WARRANTY AGAINST BREAKAGE.
  2. DIMENSIONS NOT TO SCALE. DO NOT SCALE DRAWINGS.
  3. ALL FABRICATED METAL COMPONENTS ARE STEEL, GALVANNEAL, STAINLESS, PREPARED, AND ELECTROSTATICALLY POWDER-COATED WITH T.E.C. POLYESTER POWDER COATING. PRODUCTS ARE FULLY CLEANED AND PREHEATED, PREHEATED AND COATED WHILE HOT TO FULL CURE AND BUILT COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
  4. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
  5. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
  6. FOR HOT DIP GALVANIZING BEFORE POWDER COATING IS UNAVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INVOLVES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 800°F (426°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNDESIRABLE RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY CRACKLE, UNIFORMITY, AND ONLY NOT BE AS GOOD AS THE STANDARD FINISH. THIS METHOD IS UNDESIRABLE FOR NORMAL USE. CONTACT MANUFACTURER FOR DETAILS.
  7. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
  8. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.



BENCH WITH DOUBLE IRON END FRAMES  
SHOWN: SPECIAL 2-FOOT LENGTH

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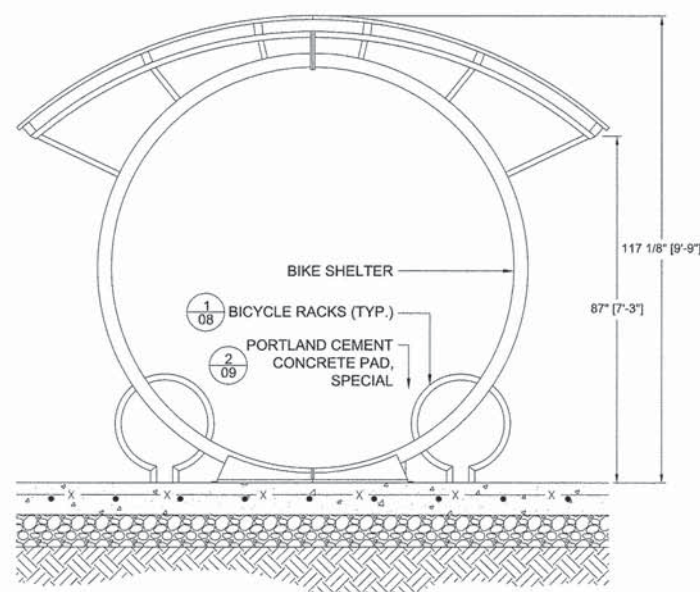
**TYPE A**  
**1 BENCHES**  
NTS



SIDE ELEVATION

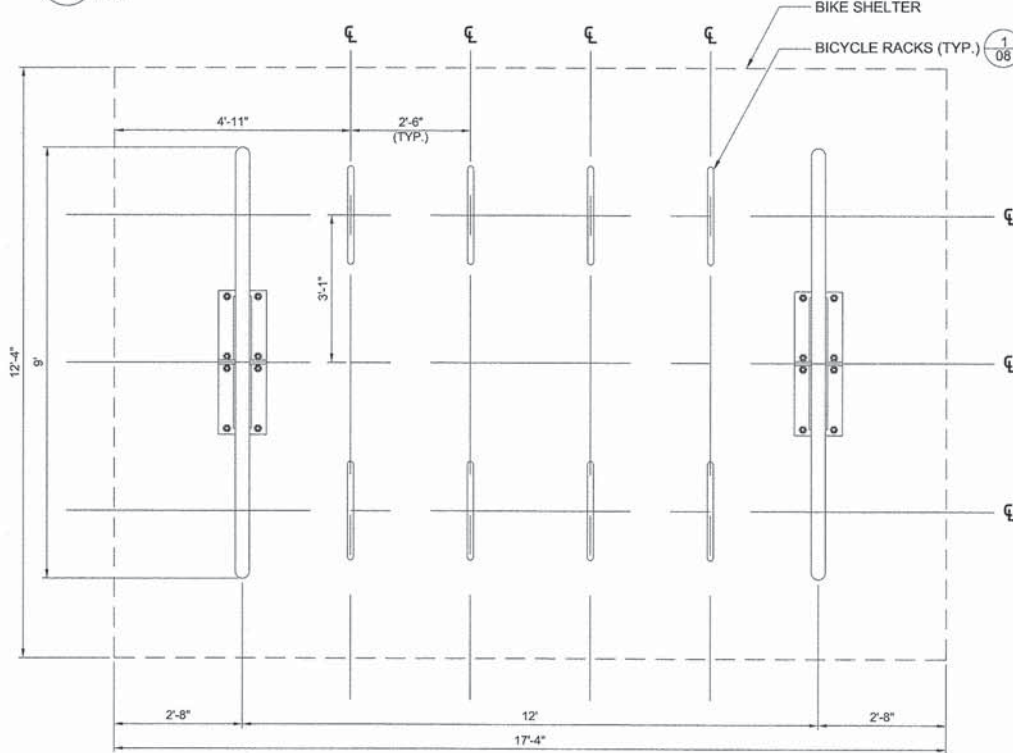
**2 BIKE SHELTER**  
NTS

**TYPE B**



SIDE ELEVATION

**2 PORTLAND CEMENT CONCRETE PAD (SPECIAL)**  
NTS



PLAN VIEW

# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			SIGNAL POST AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
GUY WIRE				ABANDON ITEM	A			SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				QUEUE DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				PREFORMED QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				RAILROAD CONTROL CABINET			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				RAILROAD CANTILEVER MAST ARM			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				FLASHING SIGNAL			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				CROSSING GATE			
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				CROSSBUCK			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE I				RADIO REPEATER							
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

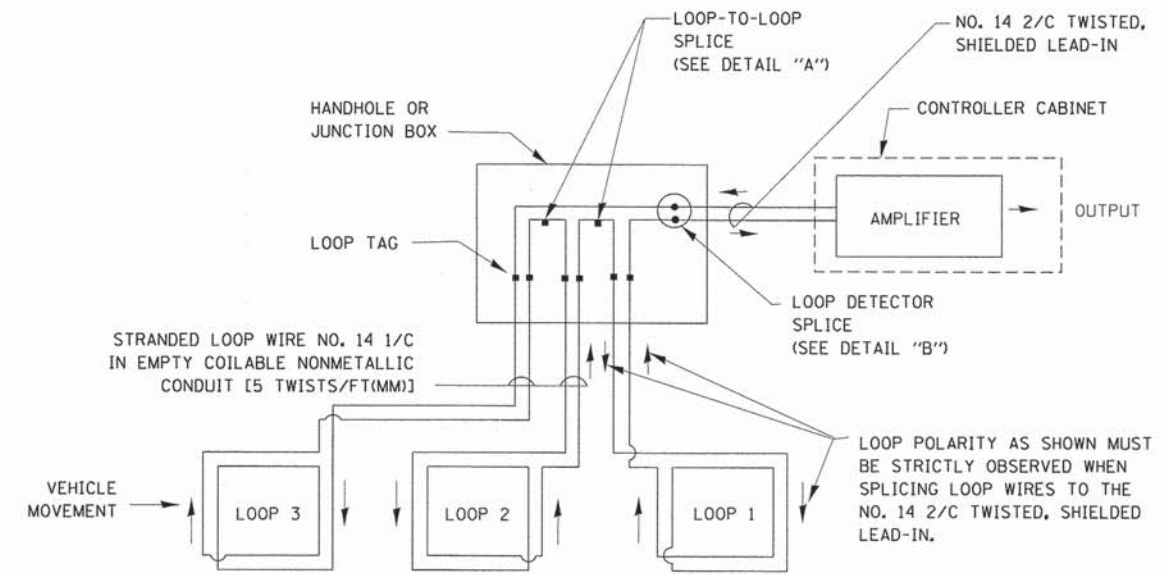
## RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		



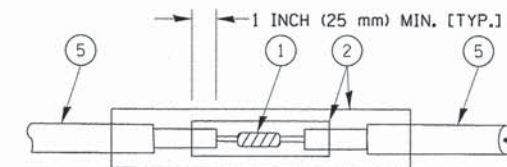
**LOOP DETECTOR NOTES**

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

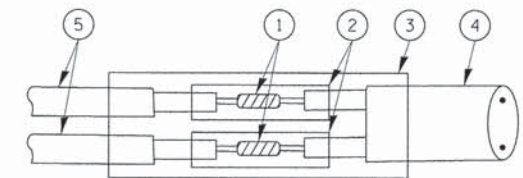


**DETECTOR LOOP WIRING SCHEMATIC**

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



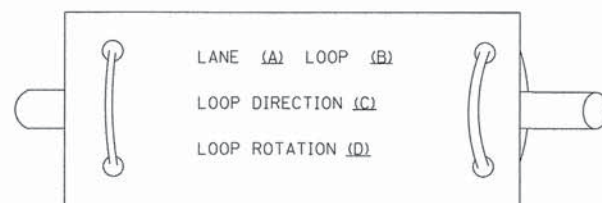
DETAIL "A"  
LOOP-TO-LOOP SPLICE



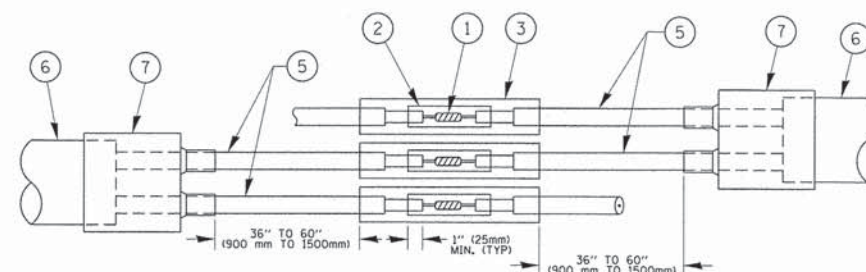
DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**

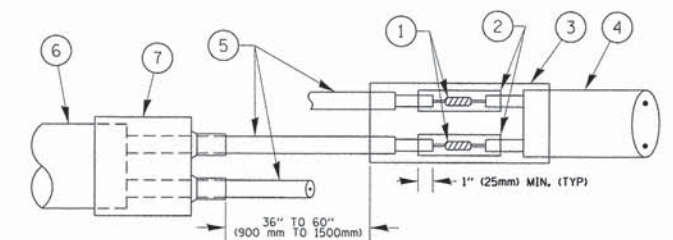
**LOOP LEAD-IN CABLE TAG**



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



DETAIL "A"  
LOOP-TO-LOOP SPLICE



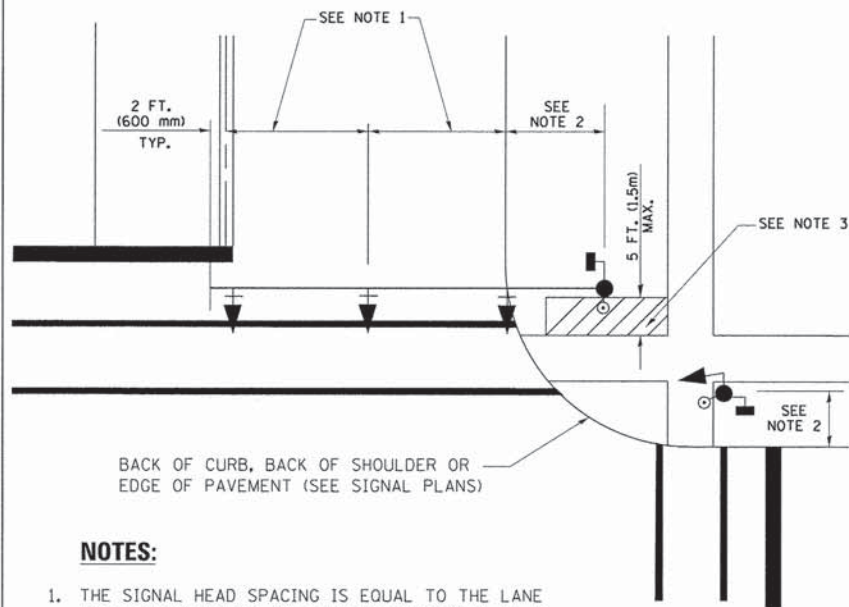
DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

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

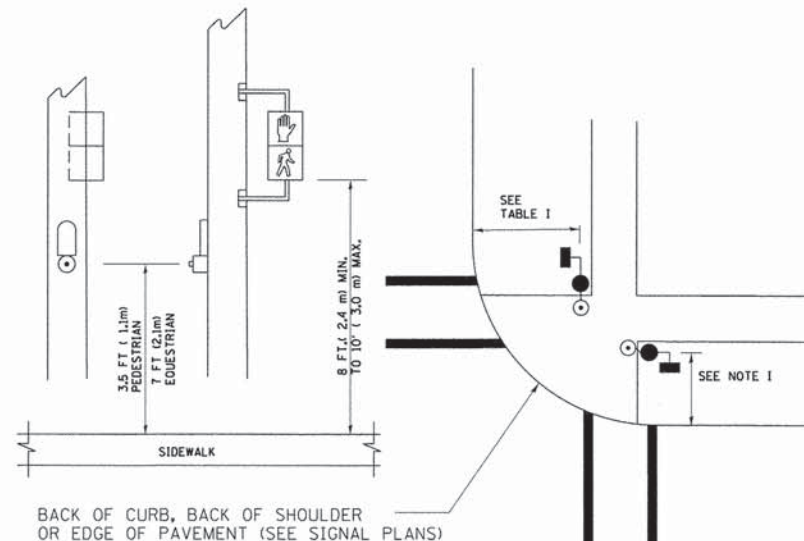
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

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

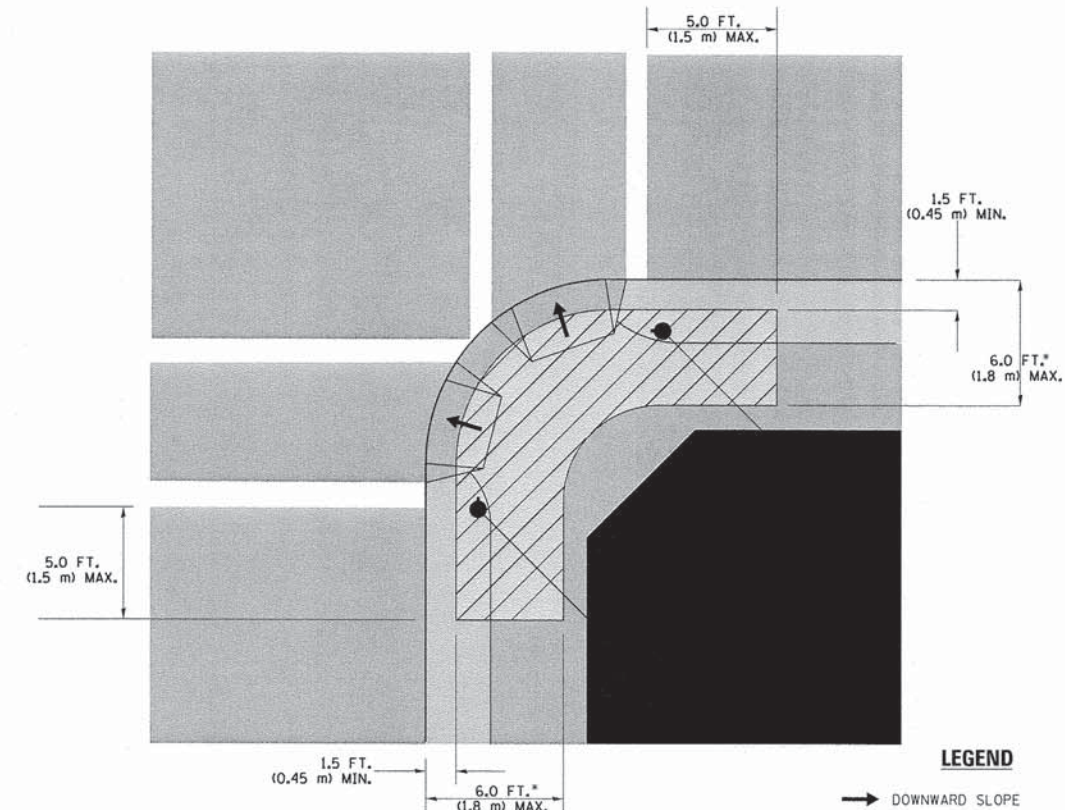
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

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

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

**NOTES:**

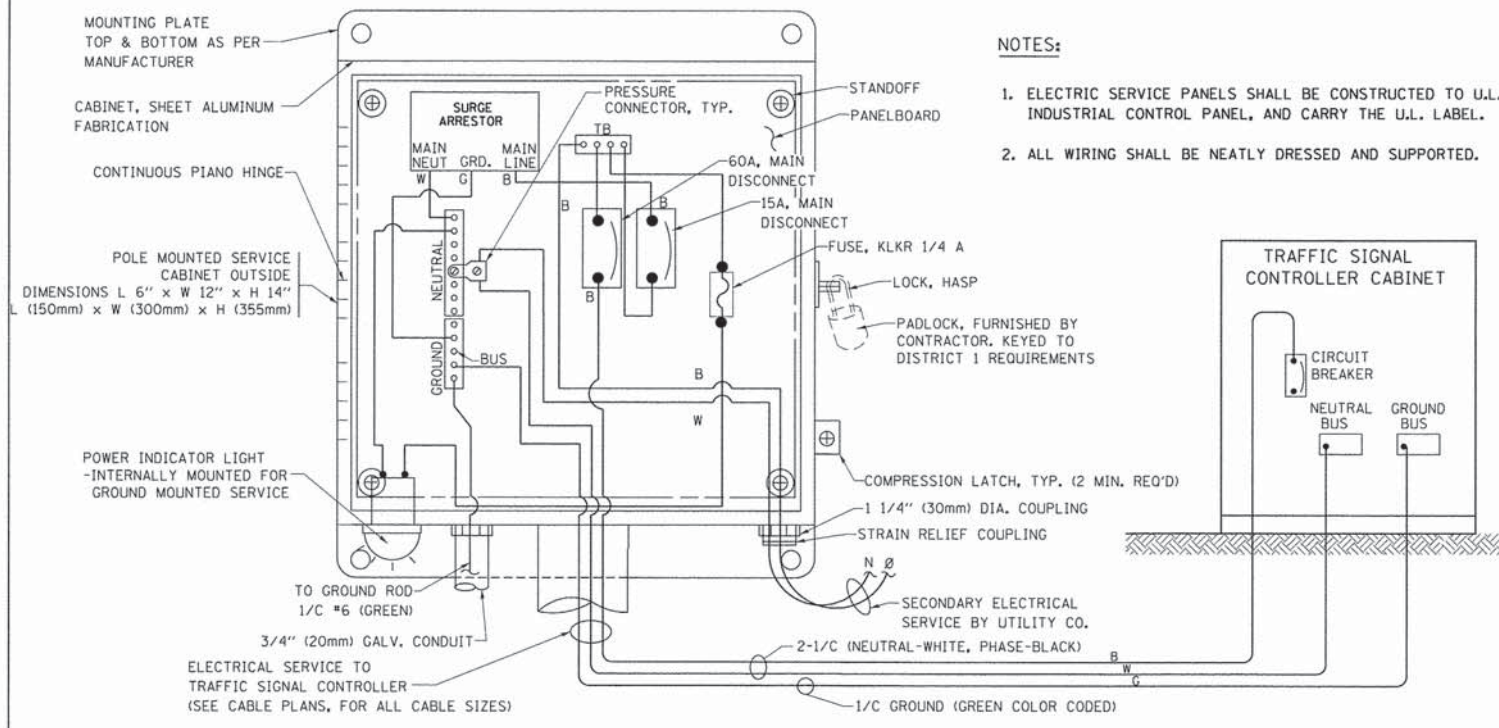
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

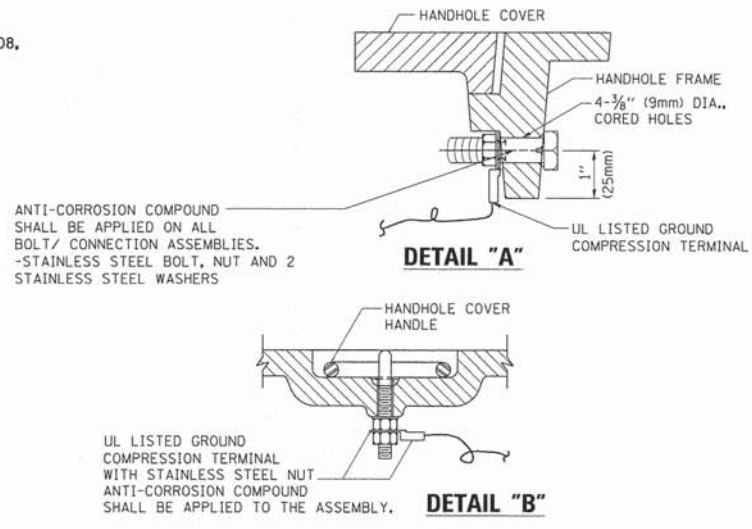
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10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

**NOTES:**

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

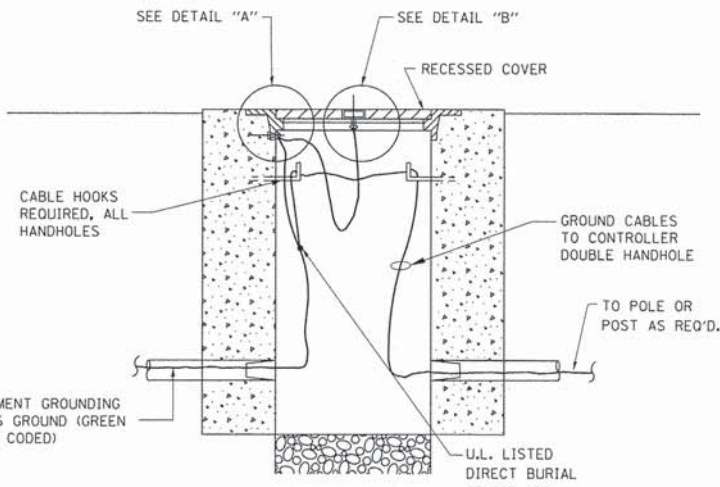


- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
  2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

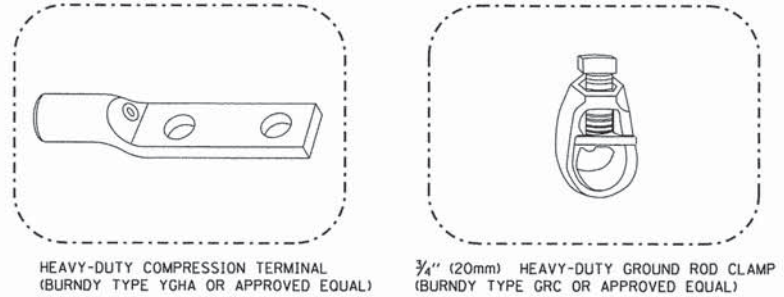


- NOTES:**
- GROUNDING SYSTEM**
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED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

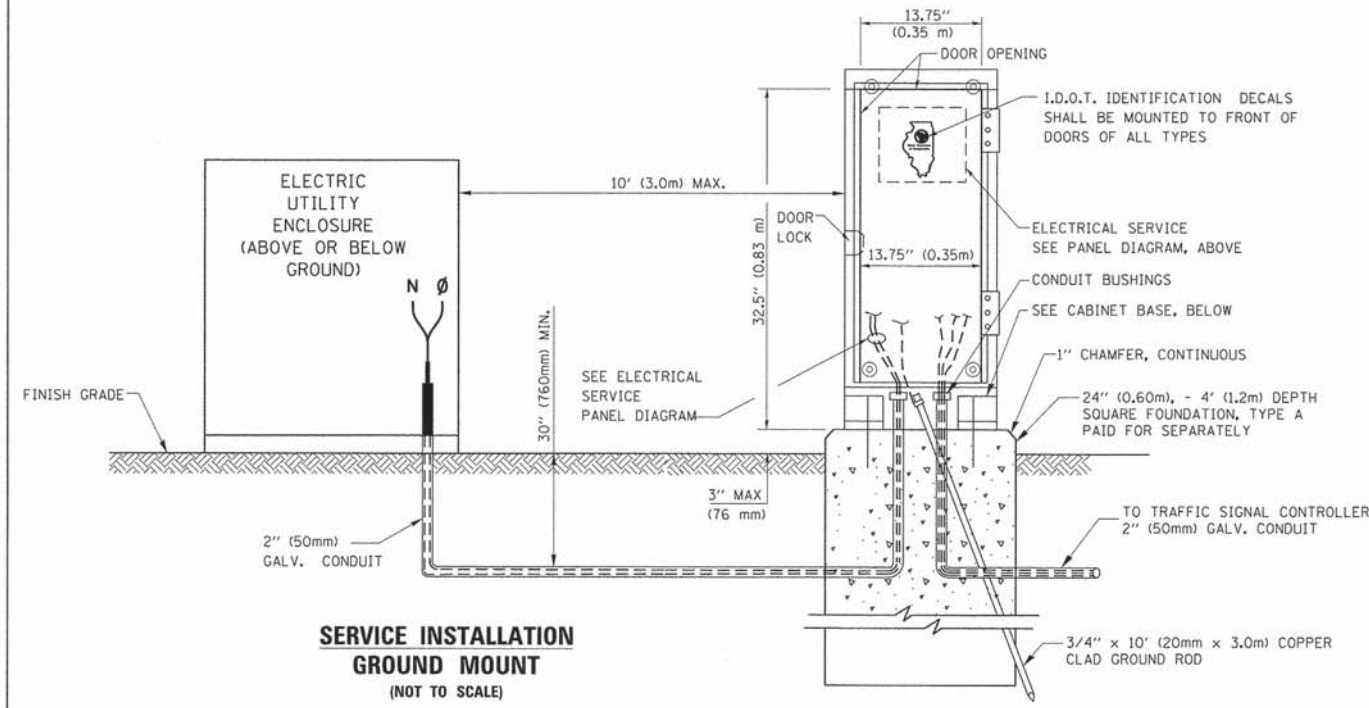
**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)**



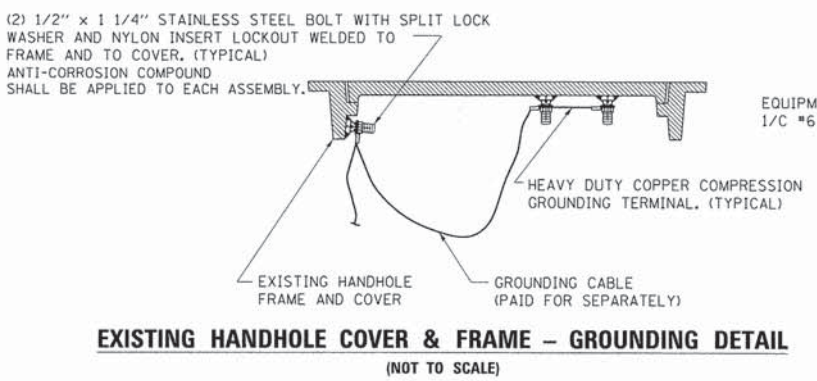
**HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)**



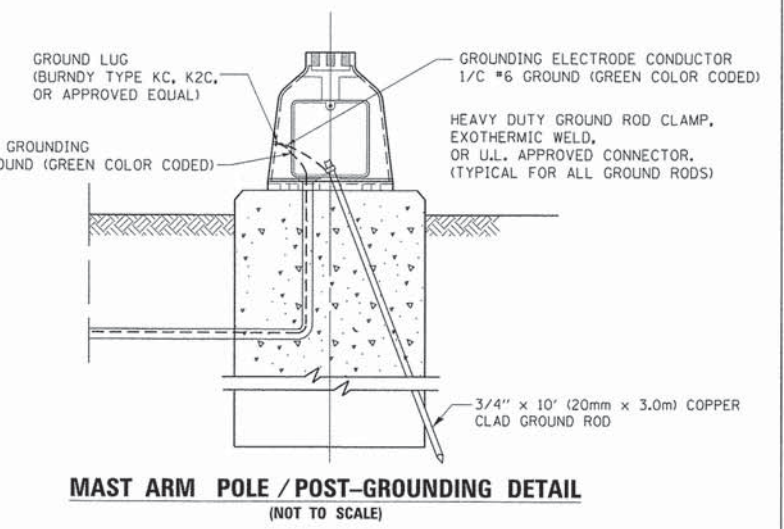
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
  - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



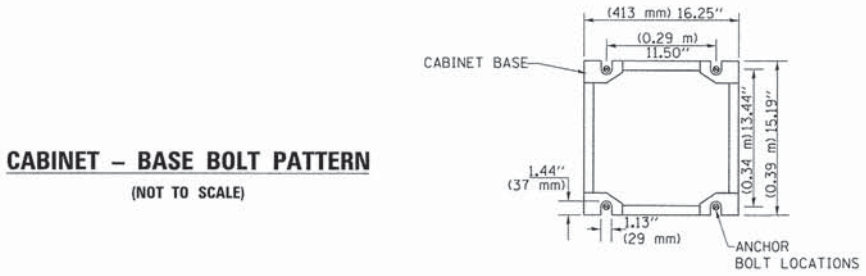
**SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)**



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



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



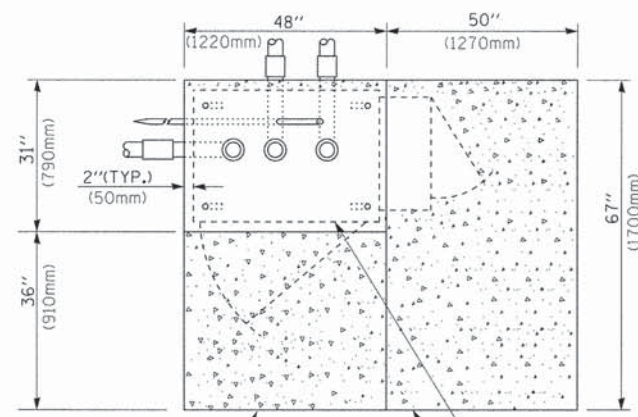
**CABINET - BASE BOLT PATTERN (NOT TO SCALE)**

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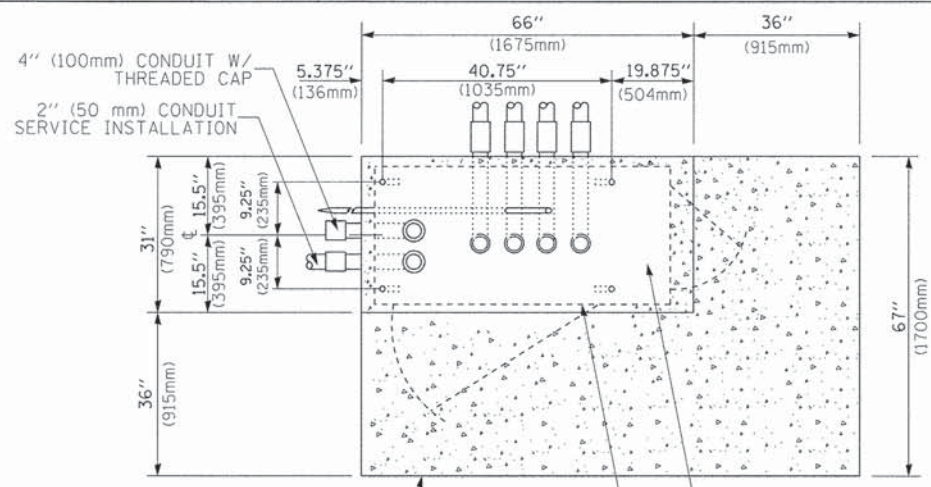
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.

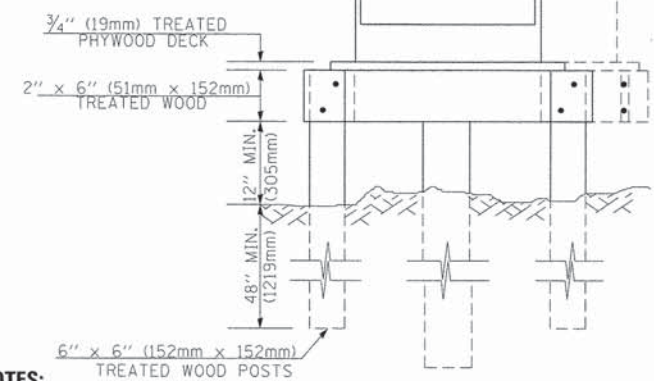
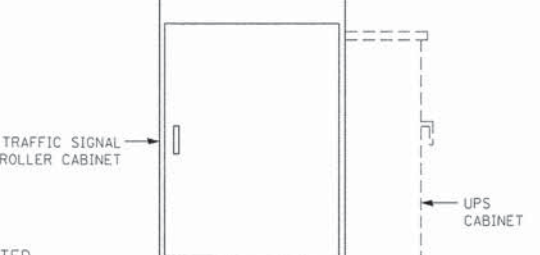
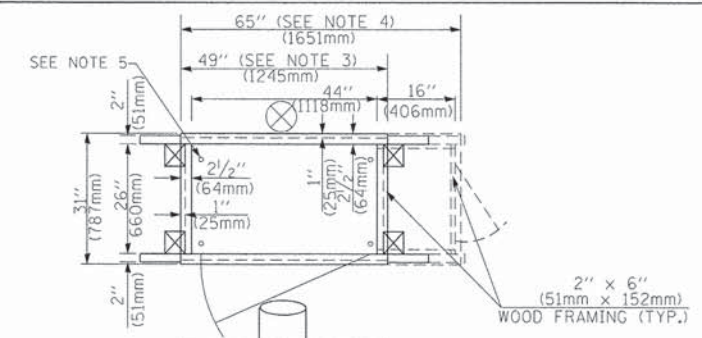
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	75
<b>TS-05</b>		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TOP VIEW**



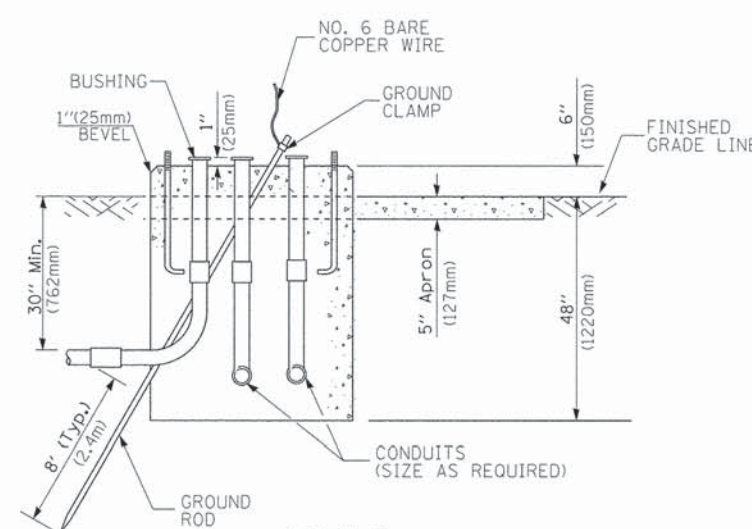
**TOP VIEW**



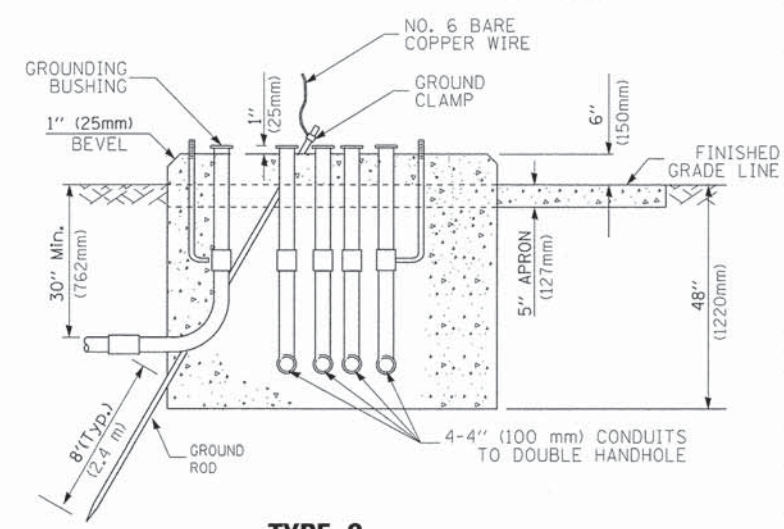
**NOTES:**

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

**TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM**



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



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

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

**CABLE SLACK**

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

**VERTICAL CABLE LENGTH**

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

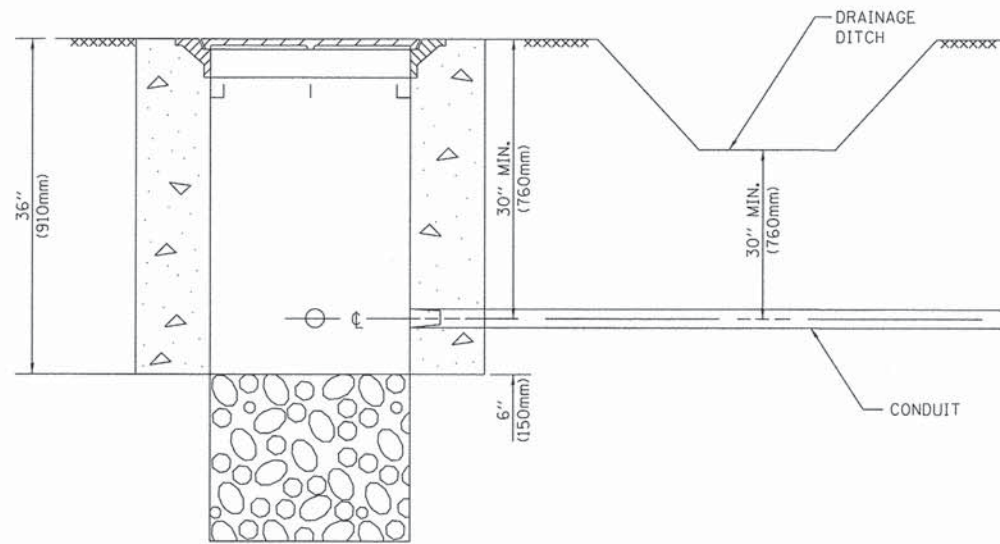
**DEPTH OF FOUNDATION**

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

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

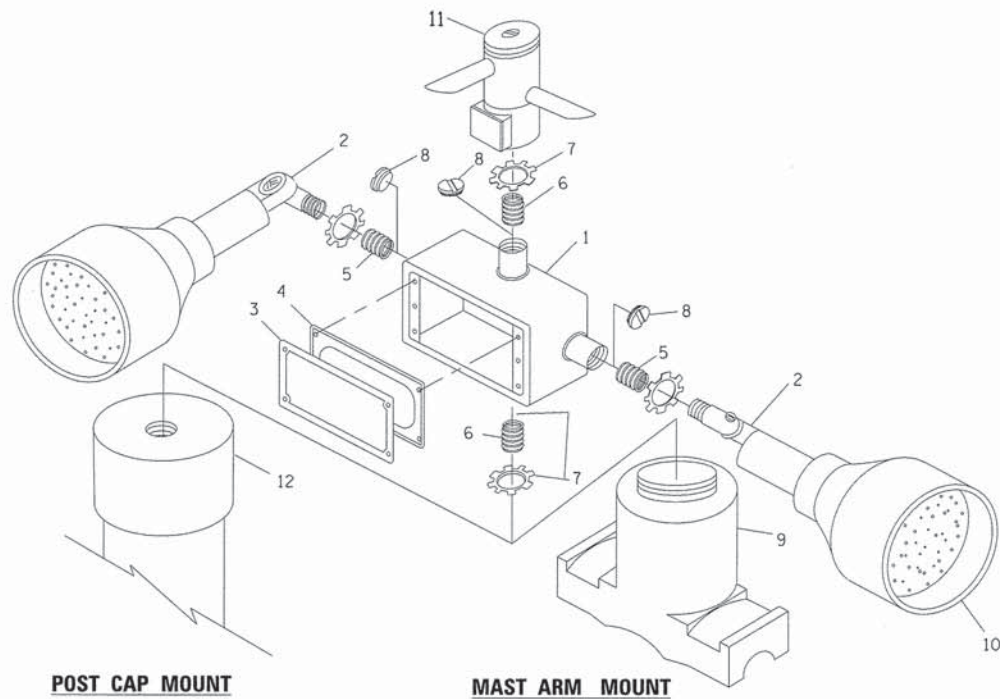
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**



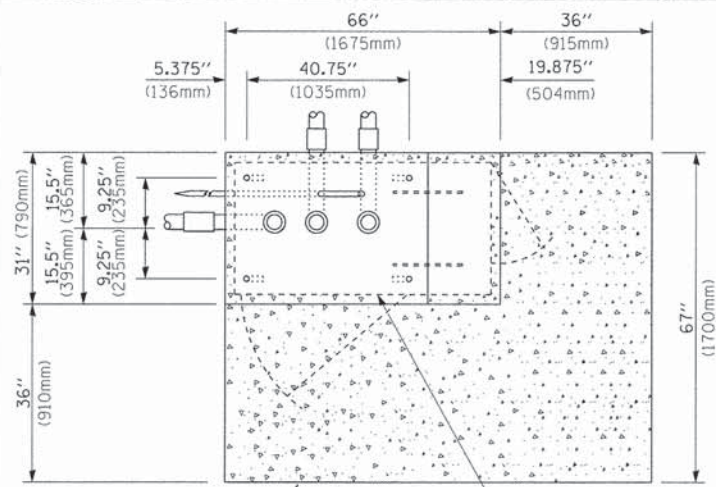
**NOTES:**

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

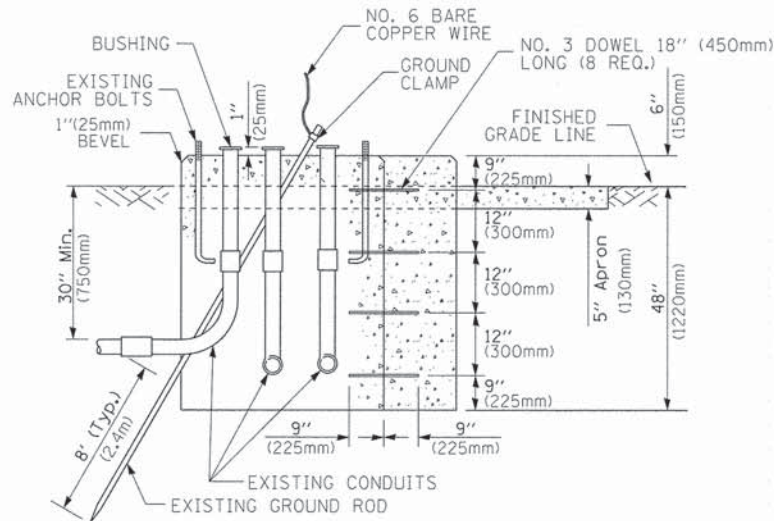
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

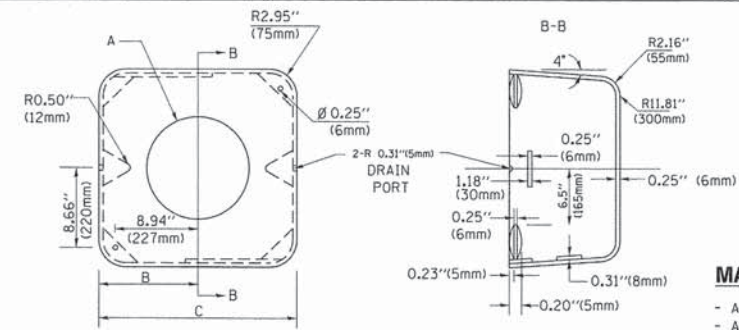


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.00344 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.



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

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

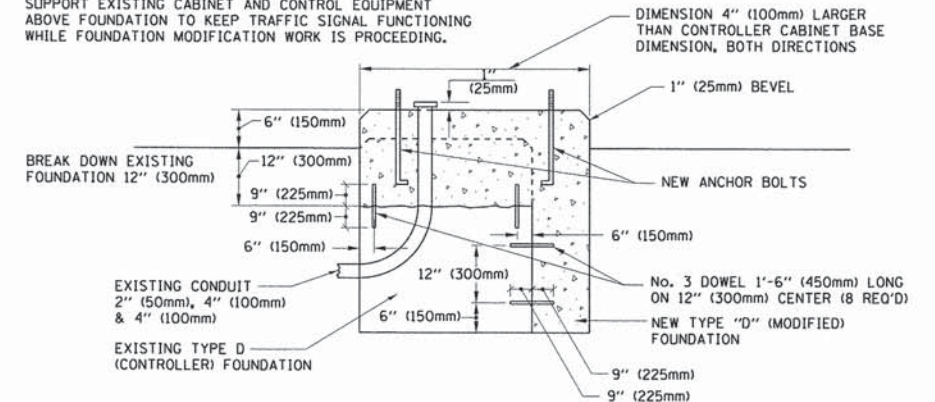
**SHROUD**

**NOTES:**

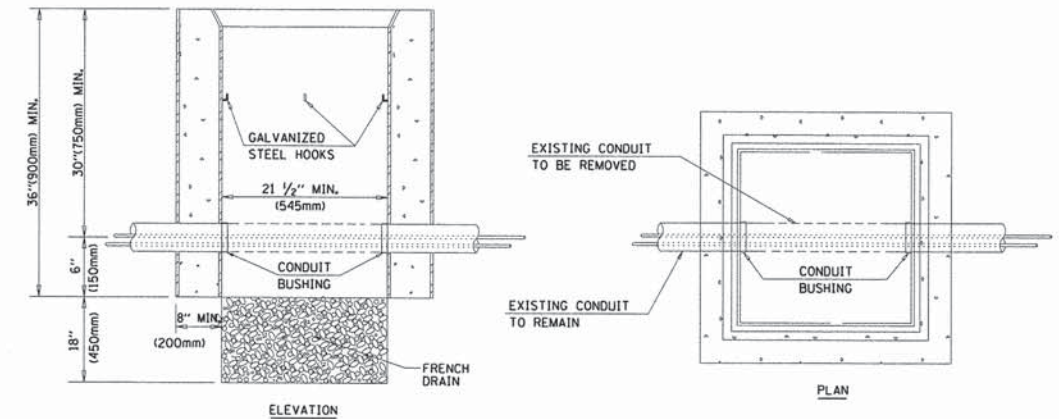
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

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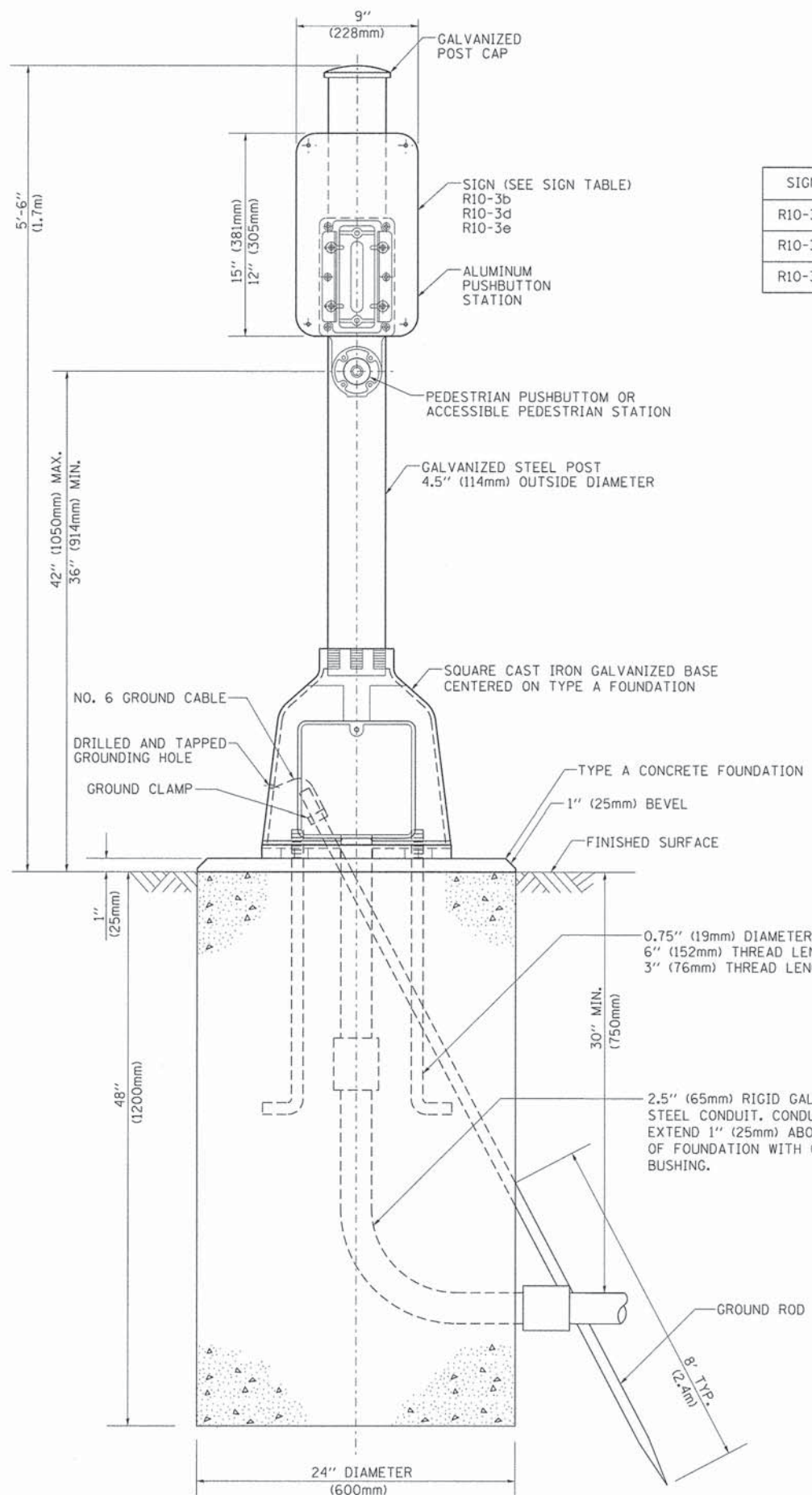
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE

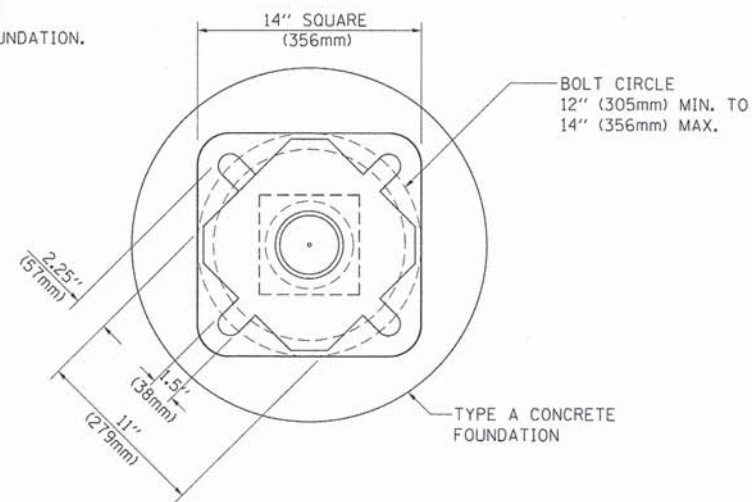
SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	77
	<b>TS-05</b>	CONTRACT NO.		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



**SIGN TABLE**

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



**BOLT PATTERN**

**PEDESTRIAN PUSH BUTTON POST, TYPE A**

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	78
TS-05		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**REMOVAL AND RELOCATION 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 SIGNAL POST
- 2 EACH 3-SECTION SIGNAL HEAD
- 3 EACH PEDESTRIAN PUSH BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED FROM THE SIGNAL POST TO THE PROPOSED MAST ARM:

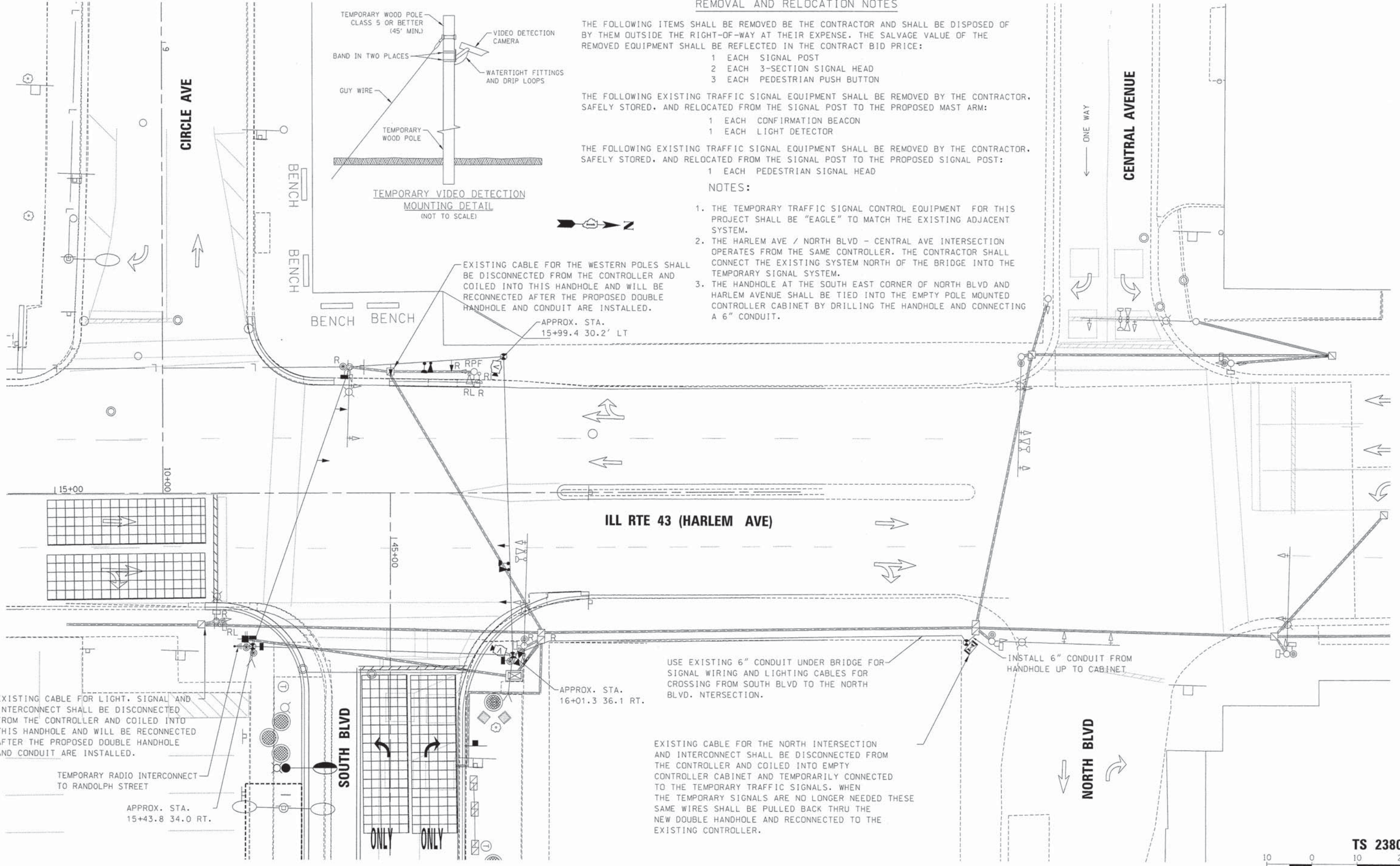
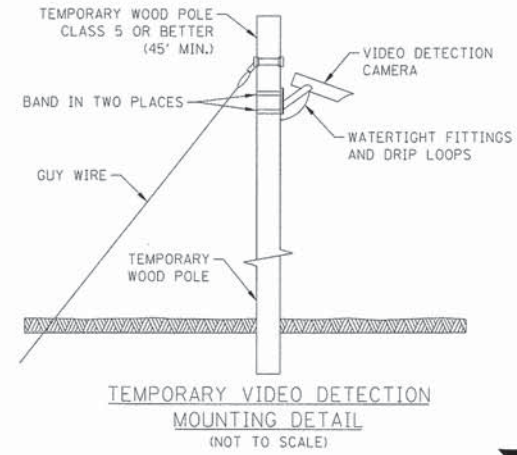
- 1 EACH CONFIRMATION BEACON
- 1 EACH LIGHT DETECTOR

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED, AND RELOCATED FROM THE SIGNAL POST TO THE PROPOSED SIGNAL POST:

- 1 EACH PEDESTRIAN SIGNAL HEAD

**NOTES:**

1. THE TEMPORARY TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
2. THE HARLEM AVE / NORTH BLVD - CENTRAL AVE INTERSECTION OPERATES FROM THE SAME CONTROLLER. THE CONTRACTOR SHALL CONNECT THE EXISTING SYSTEM NORTH OF THE BRIDGE INTO THE TEMPORARY SIGNAL SYSTEM.
3. THE HANDHOLE AT THE SOUTH EAST CORNER OF NORTH BLVD AND HARLEM AVENUE SHALL BE TIED INTO THE EMPTY POLE MOUNTED CONTROLLER CABINET BY DRILLING THE HANDHOLE AND CONNECTING A 6" CONDUIT.



M:\SOUTH BLVD OakPark TCSP 03-227\DESIGN\CIVIL\CADD Sheets\IMPORTED FILES FROM PROJECT\15E\015227-eh1-tel-signal temp & removal - South of Harlem.dgn

EXISTING CABLE FOR LIGHT, SIGNAL AND INTERCONNECT SHALL BE DISCONNECTED FROM THE CONTROLLER AND COILED INTO THIS HANDHOLE AND WILL BE RECONNECTED AFTER THE PROPOSED DOUBLE HANDHOLE AND CONDUIT ARE INSTALLED.

TEMPORARY RADIO INTERCONNECT TO RANDOLPH STREET

APPROX. STA. 15+43.8 34.0 RT.

APPROX. STA. 16+01.3 36.1 RT.

USE EXISTING 6" CONDUIT UNDER BRIDGE FOR SIGNAL WIRING AND LIGHTING CABLES FOR CROSSING FROM SOUTH BLVD TO THE NORTH BLVD. INTERSECTION.

INSTALL 6" CONDUIT FROM HANDHOLE UP TO CABINET

EXISTING CABLE FOR THE NORTH INTERSECTION AND INTERCONNECT SHALL BE DISCONNECTED FROM THE CONTROLLER AND COILED INTO EMPTY CONTROLLER CABINET AND TEMPORARILY CONNECTED TO THE TEMPORARY TRAFFIC SIGNALS. WHEN THE TEMPORARY SIGNALS ARE NO LONGER NEEDED THESE SAME WIRES SHALL BE PULLED BACK THRU THE NEW DOUBLE HANDHOLE AND RECONNECTED TO THE EXISTING CONTROLLER.



USER NAME = BernardB	DESIGNED - MCH	REVISED -
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PLOT DATE = 9/3/2015	CHECKED - MCH	REVISED -
	DATE - 9/3/2015	REVISED -

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DEPARTMENT OF TRANSPORTATION

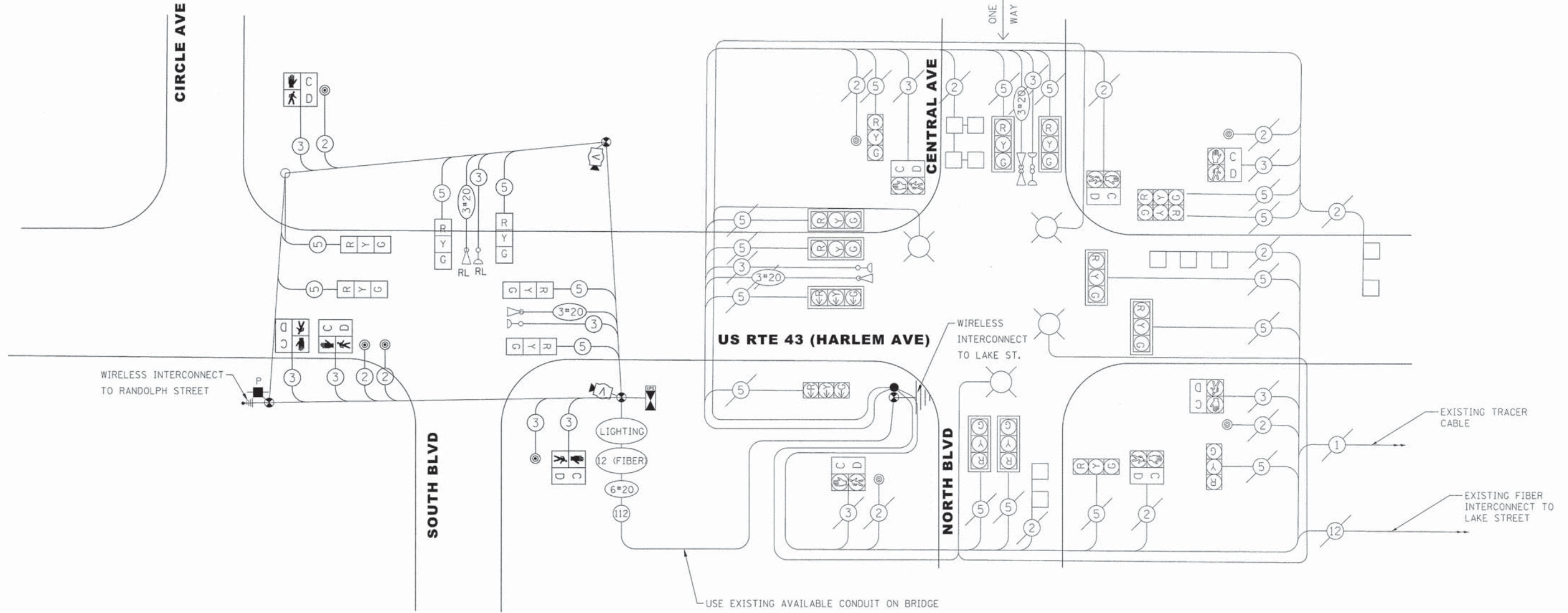
HARLEM AVENUE / SOUTH BOULEVARD  
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN

SCALE: 1"=20' SHEET 1 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	79
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

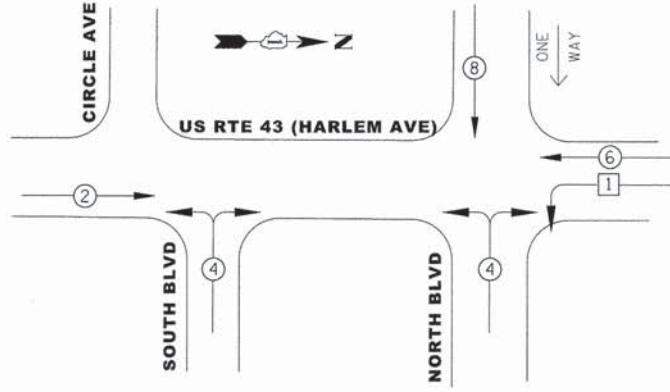
TS 2380

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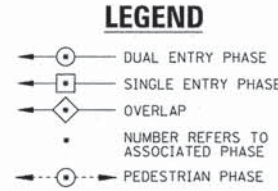
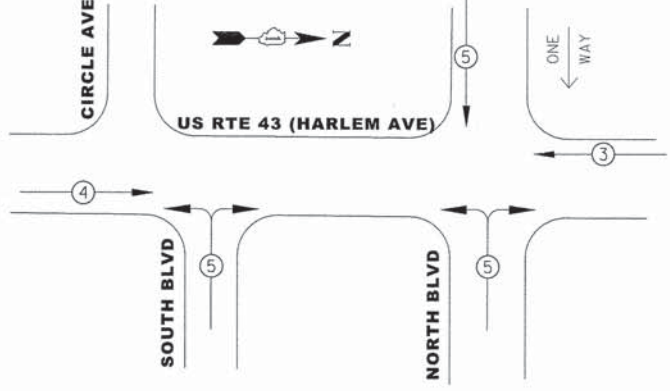


**TEMPORARY CABLE PLAN**

**TEMPORARY CONTROLLER SEQUENCE**



**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. LAMPS	WATTAGE INCAND. LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	21	17	0.50	178.50
(YELLOW)	21	25	0.25	131.25
(GREEN)	21	15	0.25	78.75
ARROW	0	12	0.10	0.00
PED. SIGNAL	10	25	1.00	250.00
CONTROLLER	1	100	1.00	100.00
UPS	1	25	1.00	25.00
ILLUM. SIGN		25	0.05	
FLASHER			0.50	
VIDEO SYSTEM	1	150	1.00	150.00
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096				TOTAL = 896.50
ENERGY SUPPLY CONTACT: DAN SCHACHT				
PHONE: (630) 437-2137				
COMPANY: COMMONWEALTH EDISON				



USER NAME = BernardB	DESIGNED - MCH	REVISED -
PLOT SCALE = 20,000' / 1"	DRAWN - GR	REVISED -
PLOT DATE = 9/3/2015	CHECKED - MCH	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HARLEM AVENUE /SOUTH BOULEVARD  
TEMPORARY TRAFFIC SIGNAL CABLE PLAN**

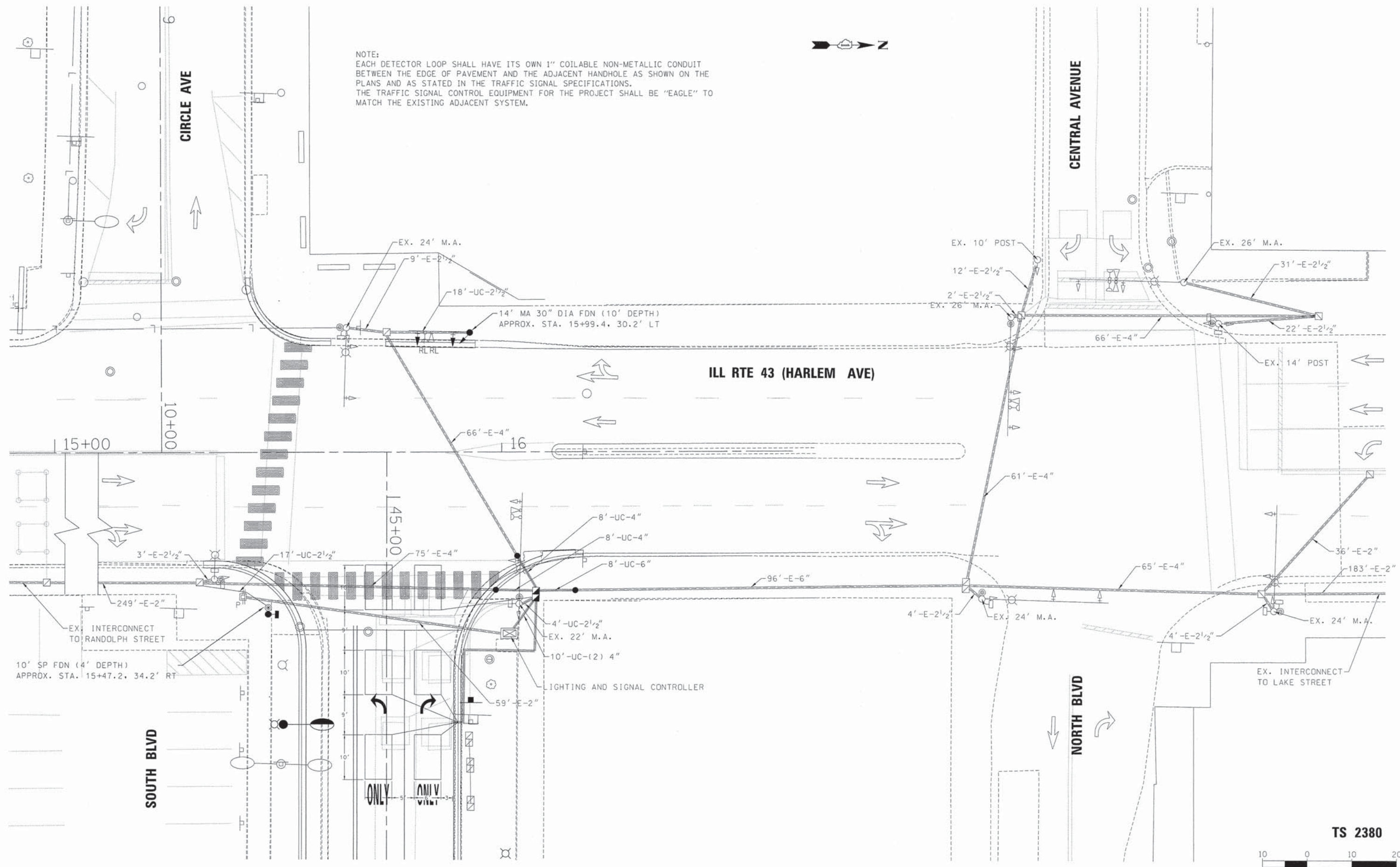
SCALE: 1"=20'  
SHEET 2 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	80
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

**TS 2380**



NOTE:  
 EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT  
 BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE  
 PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.  
 THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THE PROJECT SHALL BE "EAGLE" TO  
 MATCH THE EXISTING ADJACENT SYSTEM.



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TS 2380



USER NAME = BernardB  
 PLOT SCALE = 1/8" = 1'-0"  
 PLOT DATE = 9/3/2015

DESIGNED - MCH  
 DRAWN - GR  
 CHECKED - MCH  
 DATE - 9/3/2015

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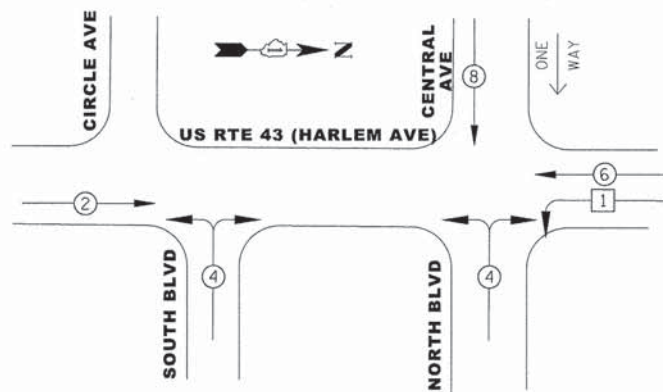
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HARLEM AVENUE / SOUTH BOULEVARD  
 PROPOSED TRAFFIC SIGNAL MODIFICATIONS

SCALE: 1" = 20' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	81
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

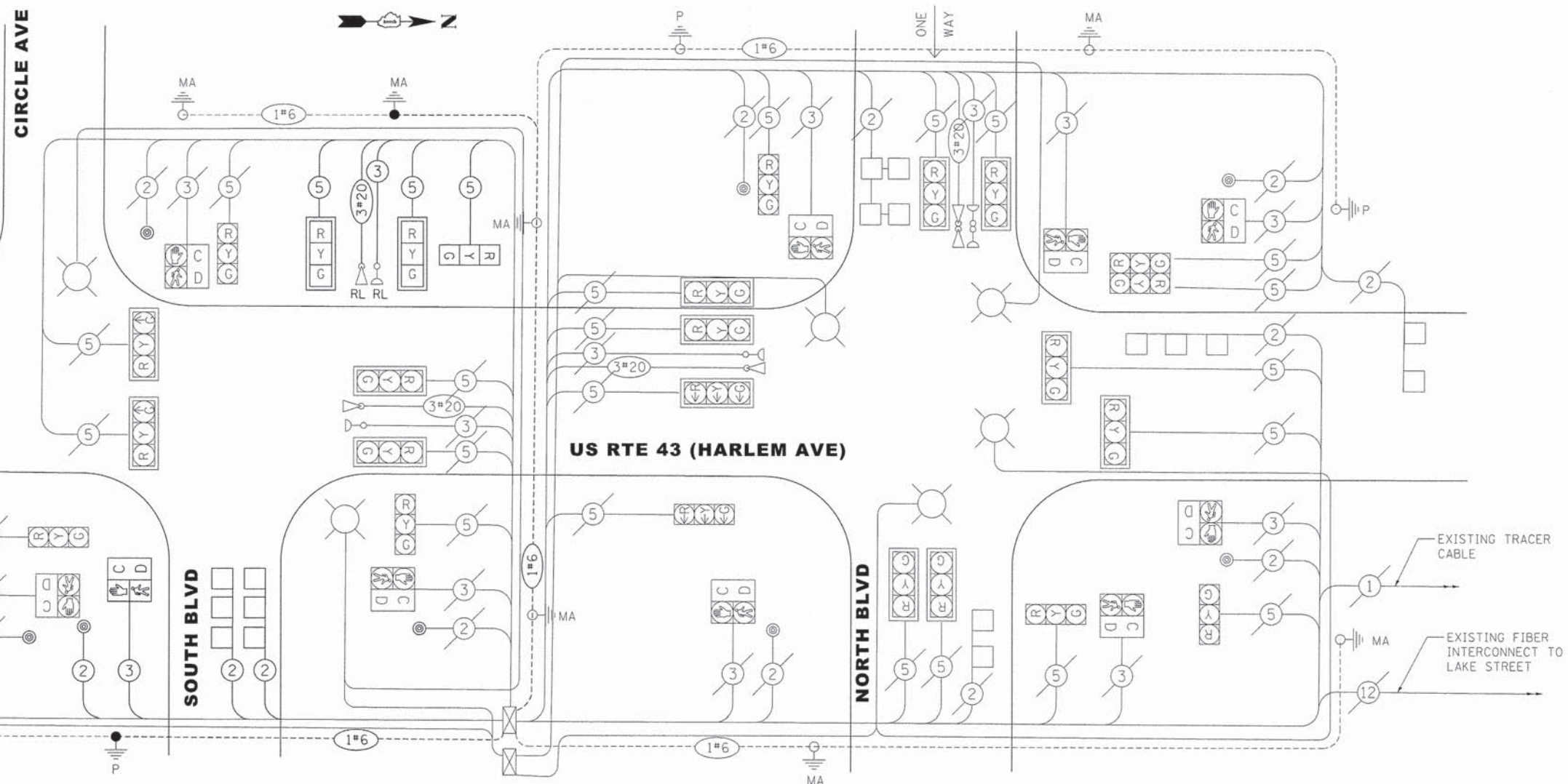
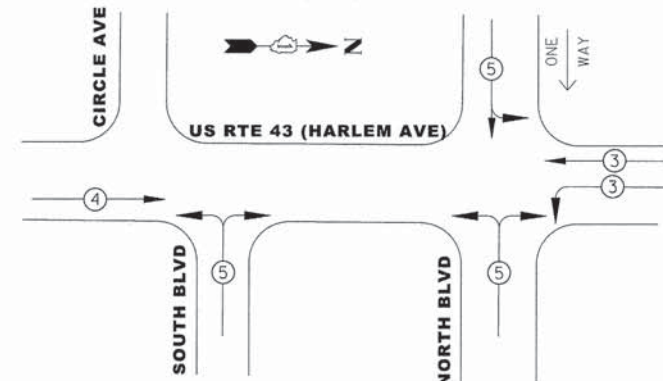
**PROPOSED CONTROLLER SEQUENCE**



**LEGEND**

- ◀ ○ ▶ DUAL ENTRY PHASE
- ◀ □ ▶ SINGLE ENTRY PHASE
- ◀ ◆ ▶ OVERLAP
- NUMBER REFERS TO ASSOCIATED PHASE
- ◀ ○ ▶ PEDESTRIAN PHASE

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**CABLE PLAN**

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNIT	QUANTITY	ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	39	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	36	PREFORMED DETECTOR LOOP	FOOT	303
UNDERGROUND CONDUIT, GALVANIZED STEEL, 6" DIA.	FOOT	8	PEDESTRIAN PUSH-BUTTON	EACH	4
DOUBLE HANDHOLE	EACH	1	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	45	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	546	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	912
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	138	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	6137
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	420	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	241	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 14 FT.	EACH	1	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	145
CONCRETE FOUNDATION, TYPE A	FOOT	4	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10	• ROD AND CLEAN EXISTING CONDUIT	FOOT	257
DRILL EXISTING HANDHOLE	EACH	2	• MODIFY EXISTING CONTROLLER CABINET TYPE A	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2	• RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	• REMOVE AND REINSTALL FIBEROPTIC CABLE FROM CONDUIT	FOOT	250
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1	• CONTROLLER CABINET TYPE II	EACH	1

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. LED	%OPERATION	
SIGNAL (RED)	25	17	0.50	212.50
(YELLOW)	25	25	0.25	156.25
(GREEN)	25	15	0.25	93.75
ARROW	0	12	0.10	0.00
PED. SIGNAL	10	25	1.00	250.00
CONTROLLER	2	100	1.00	200.00
UPS	2	25	1.00	50.00
ILLUM. SIGN		25	0.05	
FLASHER			0.50	
ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, IL 60196-1096				TOTAL = 962.50
ENERGY SUPPLY CONTACT: DAN SCHACHT PHONE: (630) 437-2137 COMPANY: COMMONWEALTH EDISON				



USER NAME = BernardB	DESIGNED - MCH	REVISED -
	DRAWN - GR	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - MCH	REVISED -
PLOT DATE = 9/3/2015	DATE - 9/3/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

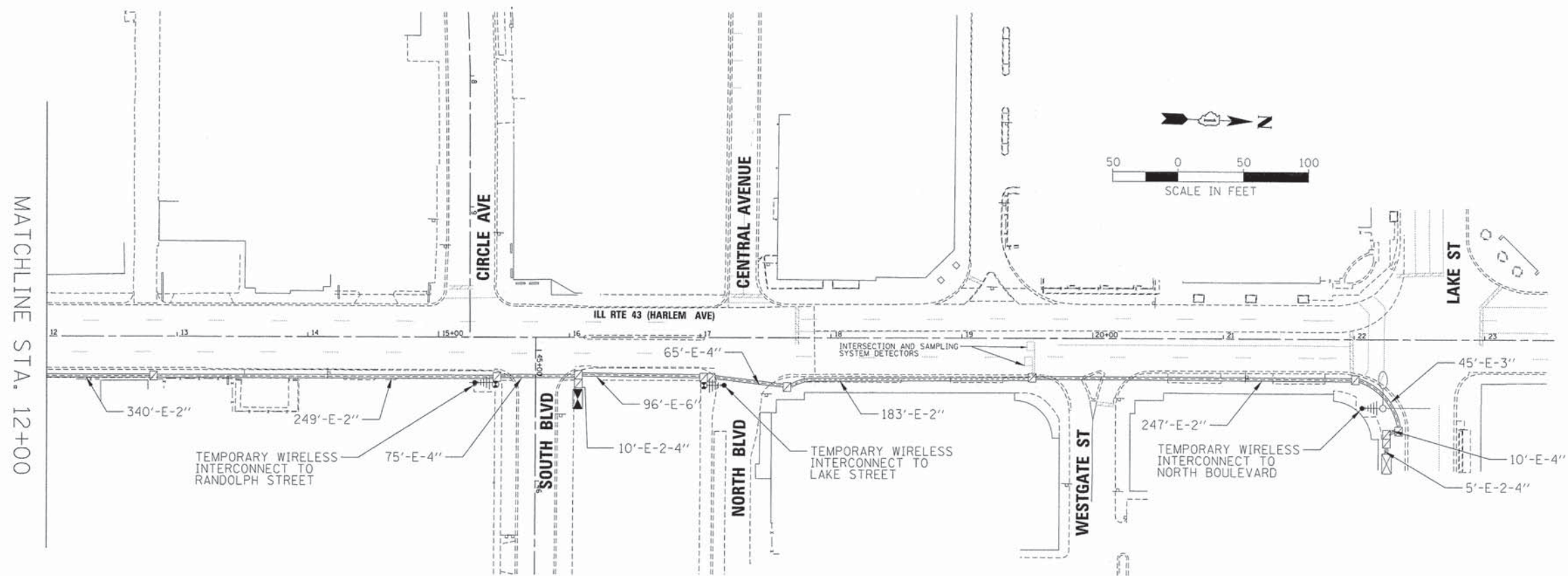
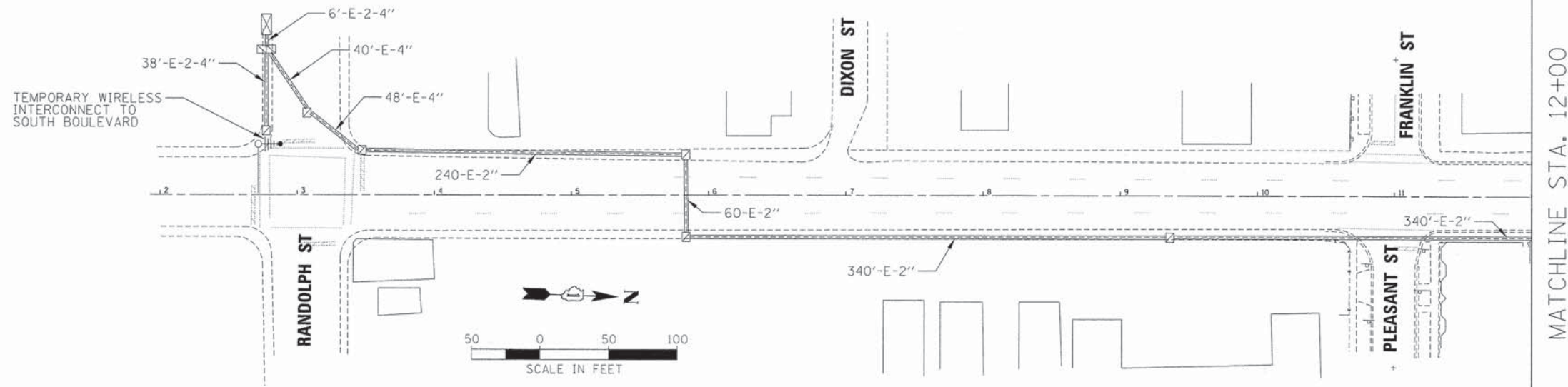
HARLEM AVENUE /SOUTH BOULEVARD  
PROPOSED TRAFFIC SIGNAL CABLE PLAN

SCALE: 1"=20'  
SHEET 4 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	82
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

TS 2380

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 Dr Paul



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PLOT SCALE = 50.0000' / in.	DRAWN - JS	REVISED -
PLOT DATE = 9/3/2015	CHECKED - MCH	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

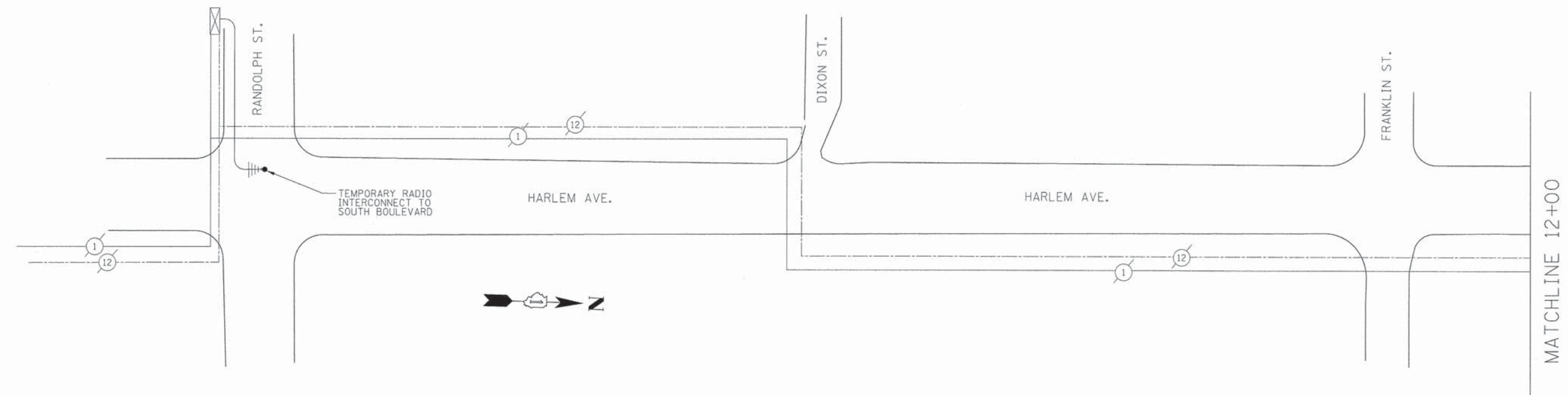
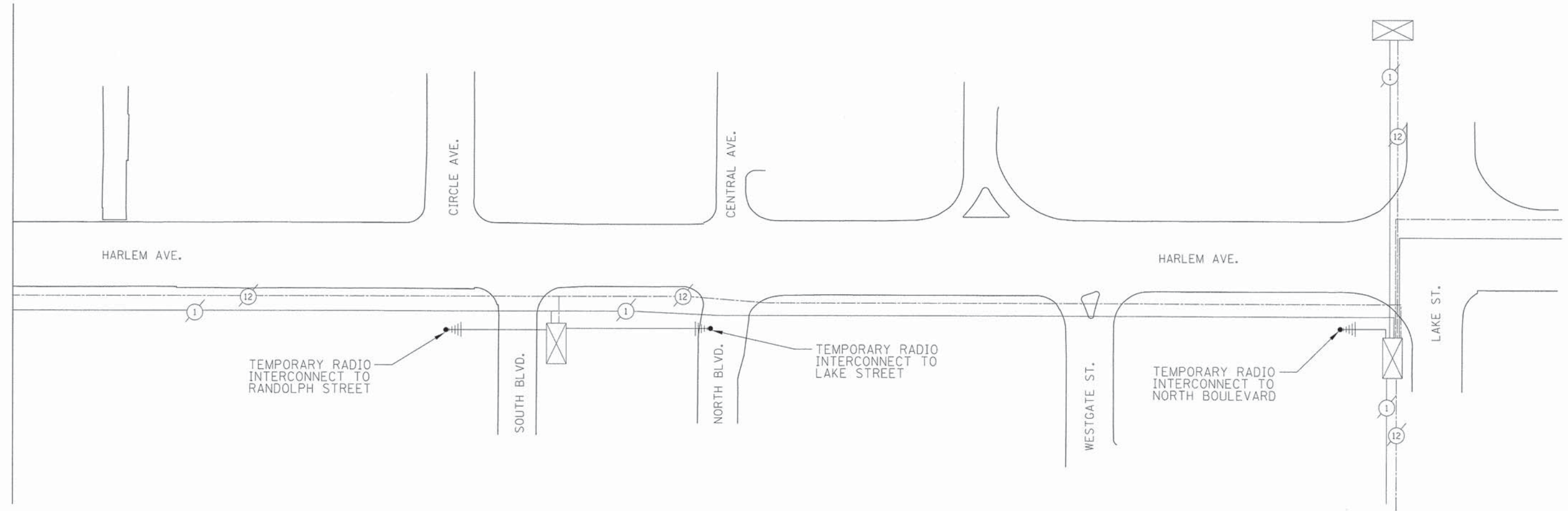
**TEMPORARY INTERCONNECT PLAN**  
**HARLEM AVENUE**

SCALE: 1"=80'    SHEET 5 OF 6 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	83
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

MASQUIN BLVD OakPark TCSP (13-227)DESIGN\CIVIL\CADD Sheets\IMPORTED FILES FROM PROJECT\ISE\018227-ht-146-Temp Interconnect Schematic.dgn

MATCHLINE 12+00



MATCHLINE 12+00



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PLOT SCALE = 48,0000' / in.	DRAWN - JS	REVISED -
PLOT DATE = 9/3/2015	CHECKED - MCH	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT SCHEMATIC  
HARLEM AVENUE - RANDOLPH STREET TO LAKE STREET**

SCALE: 1"=30'    SHEET 6 OF 6 SHEETS    STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	84
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

PART 1: GENERAL

A. DESCRIPTION

PROVIDE ALL REQUIREMENTS AND CRITERIA FOR SAFETY AND RELIABILITY TO FURNISH AND INSTALL COMPLETE OPERATING ELECTRICAL SYSTEM, INCLUDING MATERIALS, LABOR, NECESSARY EQUIPMENT AS HEREIN SPECIFIED. COMPLY WITH LOCAL CODES, NATIONAL ELECTRICAL CODE, IDOT, AND ALL APPLICABLE CODES AND STANDARDS. THE EQUIPMENT AND INSTALLATION SHALL CONFIRM WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION INCLUDING LATEST REVISION AND SUPPLEMENTAL SPECIFICATIONS, AS WELL AS THE SPECIAL PROVISIONS.

B. SCOPE OF WORK

- CONTRACTOR SHALL FURNISH, INSTALL, AND TEST COMPLETE STREET LIGHTING SYSTEM WITH ALL LIGHTING POLES, LUMINARIES, FOUNDATIONS, LIGHTING CONTROL CABINET, CONDUITS, HANGERS, SUPPORTS, DEVICES, WIRING, ETC., REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION. AFTER INSTALLATION, CONTRACTOR SHALL COMPLETELY TEST ALL COMPONENTS IN COMPLIANCE WITH IDOT STANDARDS TO ENSURE COMPLETE FUNCTIONAL INSTALLATION.
- THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RULES AND REGULATIONS SET FORTH IN THE LOCAL GOVERNING CODE. THE WORK SHALL ALSO MEET THE LAWS AND ORDINANCE REQUIRED BY THOSE AGENCIES HAVING JURISDICTION.
- CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS. PRIOR TO SUBMITTING THE PROPOSAL, INCLUDE ANY RELOCATION AND/OR ALTERNATIONS TO THE EXISTING ELECTRICAL SYSTEM, COMPONENTS OR EQUIPMENT REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.
- CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED TO PERFORM HIS WORK. PREPARE AND SUBMIT TO THE AUTHORITIES ANY AND ALL DATA, DRAWINGS AND DETAILS REQUIRED FOR APPROVAL BEFORE COMMENCING THE INSTALLATION.
- MAINTAIN EXISTING STREET LIGHTING SYSTEM OPERATION DURING CONSTRUCTION UNTIL NEW CONSTRUCTION OF STREET LIGHTING SYSTEM IS COMPLETED. MAINTAIN EXISTING LIGHTING AS TEMPORARY LIGHTING DURING THE CONSTRUCTION PERIOD. REMOVE SAME UPON COMPLETION OF THE PROJECT.
- CONTRACTOR SHALL COORDINATE WORK WITH ALL TRADES AND AVOID CONFLICTS AND DELAYS.
- NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE NEW WORK. LACK OF NOTIFICATION SHALL INDICATE THAT NO DISCREPANCIES OR CONFLICTS EXIST.
- ALL LIGHT POLES SHALL BE NON-BREAKAWAY TYPE.
- CONTRACTOR SHALL COORDINATE WORK WITH UTILITY COMPANIES, INCLUDING ELECTRIC, WATER, GAS, SEWER, CABLE, ETC.
- RIGID STEEL CONDUIT SHALL BE PUSHED UNDER DRIVEWAY OR ALLEY AND EXTENDED 3'-0" ON EACH SIDE.
- AS PART OF THIS WORK OWNER SHALL HAVE FIRST SALVAGE RIGHTS TO ANY ITEM REMOVED AS PART OF THIS PROJECT. DISPOSE OF ALL OTHERS. ANY UNUSED EQUIPMENT OR WIRING WILL NOT BE ALLOWED TO BE ABANDONED IN PLACE.
- RED TAPE OR MARKING SHALL BE 10" BELOW GRADE TO MARK ELECTRICAL CONDUIT ROUTING.
- AFTER CONSTRUCTION OF NEW SYSTEM REMOVE OLD LIGHTING POLES, FOUNDATION AND WIRING. ABANDON IN PLACE THE CONDUIT SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE INCURRED BY HIM IN ANY AREA OF THE PROJECT SUCH AS PAVEMENT, DRIVEWAYS, AND SIDEWALKS AND SHALL RESTORE THEM TO THEIR ORIGINAL CONDITION AS DIRECTED BY THE ENGINEER. LANDSCAPED AREAS SHALL BE RESTORED AND DAMAGED PLANT MATERIALS REPLACED TO THE SATISFACTION OF THE ENGINEER.
- LIGHTING POLES SHALL BE LOCATED TO PROVIDE UNOBSTRUCTED ACCESS TO PEDESTRIANS MEETING ADA REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE TO IDENTIFY ALL UNDERGROUND AND OVERHEAD UTILITY AND ENSURE ADEQUATE CLEARANCES BETWEEN UTILITIES AND NEW LIGHTING SYSTEM.
- GROUND ROD MATERIAL AND INSTALLATION IS INCLUDED AS PART OF THE ELECTRICAL EQUIPMENT AND/OR POLE FOUNDATION PAY ITEMS. REFER TO ELECTRICAL DETAILS OF CABINETS AND/OR POLE FOUNDATION FOR MORE INFORMATION.

C. GUARANTEE

- GUARANTEE IN WRITING ALL ELECTRICAL EQUIPMENT FOLLOWING DATE OF FINAL COMPLETION ACCORDING TO IDOT SPECIFICATIONS.
- ALL APPARATUS SHALL BE BUILT AND INSTALLED SO AS TO DELIVER ITS FULL RATED CAPACITY AT THE EFFICIENCY FOR WHICH IT WAS DESIGNED.

D. CONSTRUCTION PHASE SUBMITTALS

SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL. PREPARE AND PROVIDE THE ENGINEER WITH A COMPLETE SET OF CIRCUITED "RECORD" DRAWINGS AT PROJECT COMPLETION. SUCH DRAWINGS SHALL BE SUBMITTED ON A CLEAR AND LEGIBLE REPRODUCIBLE FORM.

PART 2: PRODUCTS

A. QUALITY LEVEL

ALL MATERIAL AND EQUIPMENT USED FOR THIS PROJECT SHALL BE UL LISTED AND APPROVED FOR THE INTENDED APPLICATIONS UNLESS OTHERWISE NOTED.

B. MATERIAL

- UNIT DUCT SHALL BE TYPE MC 600 VOLT, EPR RATED INSULATION, PVC JACKET, STEEL INTERLOCK ARMOR, COPPER CONDUCTORS AND COLOR CODED.
- SITE LIGHTING BRANCH CIRCUITS SHALL BE #6 AWG MINIMUM, UNLESS OTHERWISE NOTED. CONTROL WIRING SHALL BE #14 AWG MINIMUM.

PART 3: EXECUTION

- PROVIDE A COMPLETE PROPERLY OPERATING SYSTEM FOR EACH ITEM OF EQUIPMENT CALLED FOR UNDER THIS NOTES. INSTALL IN ACCORD WITH THE EQUIPMENT MANUFACTURER'S INSTRUCTIONS, IDOT STANDARD SPECIFICATIONS AND UNDER COMPETENT SUPERVISION AT ALL TIME.
- PRIOR TO INSPECTION TO DETERMINE SUBSTANTIAL COMPLETION THE CONTRACTOR SHALL OPERATE ALL ELECTRICAL SYSTEM TO DEMONSTRATE THAT THE INSTALLATION AND PERFORMANCE OF THE SYSTEM CONFORM TO THE REQUIREMENTS SPECIFIED ABOVE AND ON THE DRAWINGS.

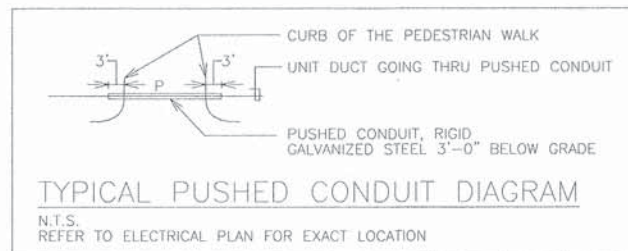
LEGEND

- EXISTING STREET LIGHT
- PROPOSED HANDHOLE
- PROPOSED STREET LIGHT
- PROPOSED PEDESTRIAN LIGHT
- CONTROLLER, 100A, 120/240V, 1PH, 3W
- CONDUIT, PUSHED, RIGID GALVANIZED STEEL 3'-0" BELOW GRADE, EXTEND 3'-0" ON EACH SIDE OF THE CURB
- 3" GALVANIZED STEEL CONDUIT 3'-0" BELOW GRADE
- UNIT DUCT (REFER TO PLAN FOR EXACT SIZE)
- EXISTING STREET LIGHT TO BE REMOVED (LIGHT POLE AND FOUNDATION) FIXTURE TYPE
- PROPOSED VANDAL PROOF RECEPTACLE (WEATHERPROOF AND GROUND FAULT INTERRUPTER) UL LISTED, CORROSION RESISTANT AND COVER NEC 406.8.B.2A COMPLIANT MOUNTED ON UNI-STRUT 36" A.F.F. IN LANDSCAPE AREA
- GROUND ROD

POLE IDENTIFICATION

- CONTROL CABINET NUMBER
- CIRCUIT NUMBER
- POLE NUMBER OF THE CIRCUIT

\*ALL POLES SHALL BE OFFSET AS SHOWN ON PLANS FROM FACE OF CURB TO CENTERLINE OF POLE.  
 \*ALL POLES IN BUMP-OUTS AREAS SHALL BE OFFSET FROM FACE OF CURB TO CENTERLINE OF POLE AS REQUIRED TO BE IN LINE WITH OTHER POLES.  
 \*ALL POLES SHALL HAVE THE SAME OFFSET FROM THE ROADWAY CENTERLINE TO MAINTAIN VISUAL ALIGNMENT.  
 NEW FOUNDATION AND POLES SHALL BE LOCATED AWAY FROM ANY EXISTING UTILITIES. CONTRACTOR SHALL IDENTIFY ALL UTILITIES AND DIG BY HAND TO EXPOSE UTILITY LINES. FINAL EXACT LOCATION OF FOUNDATION AND POLE SHALL BE COORDINATED AND APPROVED PRIOR TO INSTALLATION.



LIGHTING UNIT SCHEDULE

PAY ITEM	TAG	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS		INPUT WATTS	POLE & BASE	MOUNTING	BALLAST	VOLT.	REMARKS
					NO.	TYPE						
ORNAMENTAL LIGHT UNIT, COMPLETE	F1	STREET AND PEDESTRIAN LIGHTING	STERNBER LIGHTING	1914LED/A/RLM431/33L/240N-MDL/BKT G16WALEUDUF/450PB/5P/80DPM/4S45TLFA/MDL03-Dimming 240/BKT	1	LED	186	26'-0" POLE & BASE REFER TO DETAIL	REFER TO DETAIL	-	240	
PEDESTRIAN ST LIGHT	F2	PEDESTRIAN LIGHTING	STERNBER LIGHTING	G16WALEUDUF/450PB/5P/4S45TLFA/MDL03-Dimming 240/BKT	2	LED	29	10'-0" POLE & BASE REFER TO DETAIL	REFER TO DETAIL	-	240	

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 Default



USER NAME = BarnardB	DESIGNED - EME	REVISED -
PL01 SCALE = 30,0000 1/2 in.	DRAWN - BCB	REVISED -
PL01 DATE = 9/28/2015	CHECKED - EME	REVISED -
	DATE - 9/28/2015	REVISED -

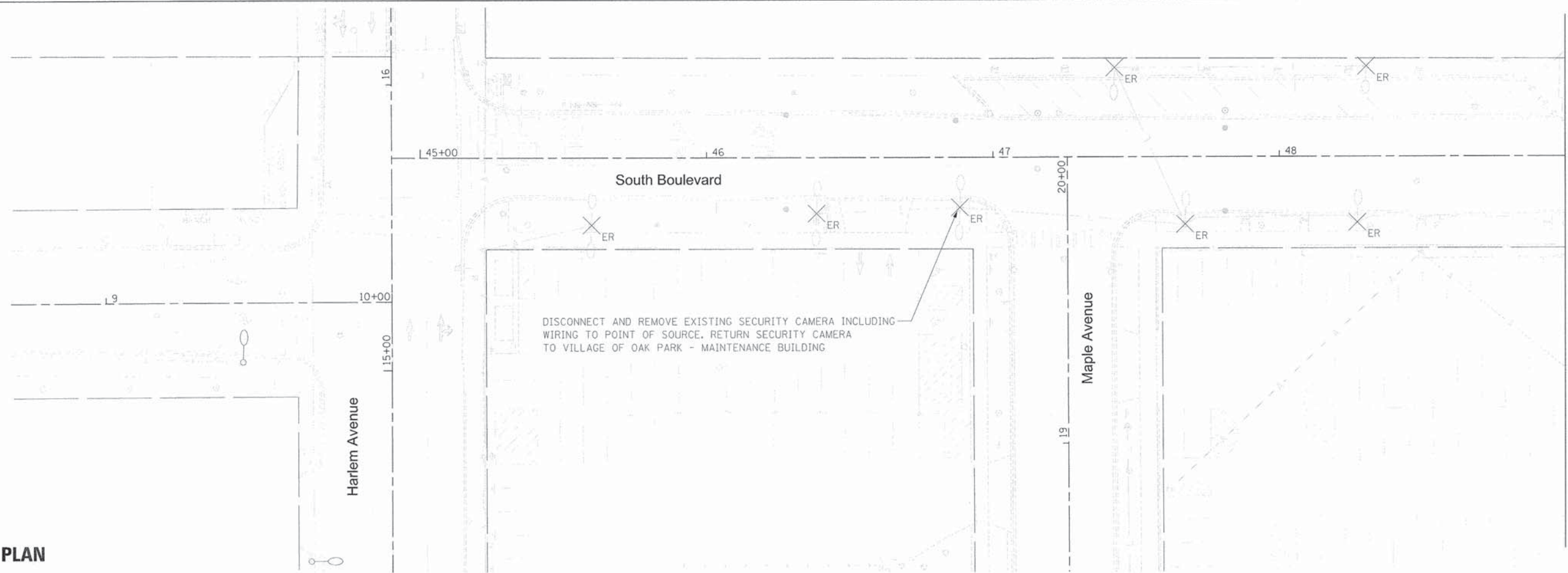
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
ELECTRICAL NOTES, LEGEND AND ELECTRICAL LOAD SCHEDULE

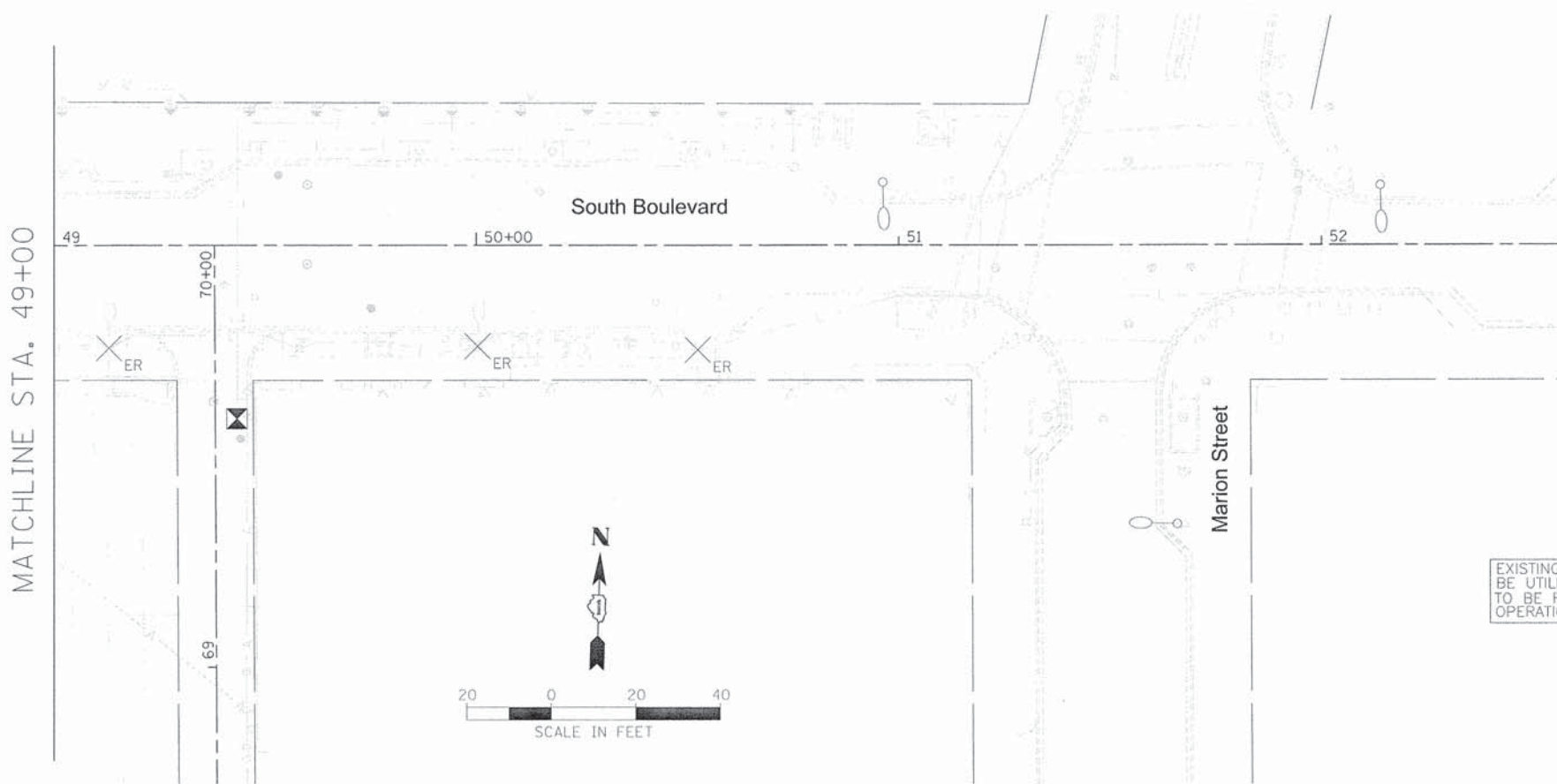
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	85
CONTRACT NO. 61899				
ILLINOIS FED. AID PROJECT				

**REMOVAL PLAN**



**REMOVAL PLAN**



M:\SOUTH BLVD OakPark TCSP (13-227)\DESIGN\CIVIL\LOAD Sheets\IMPORTED FILES FROM PROJECT\WSE\0110227-avt-light2.dgn



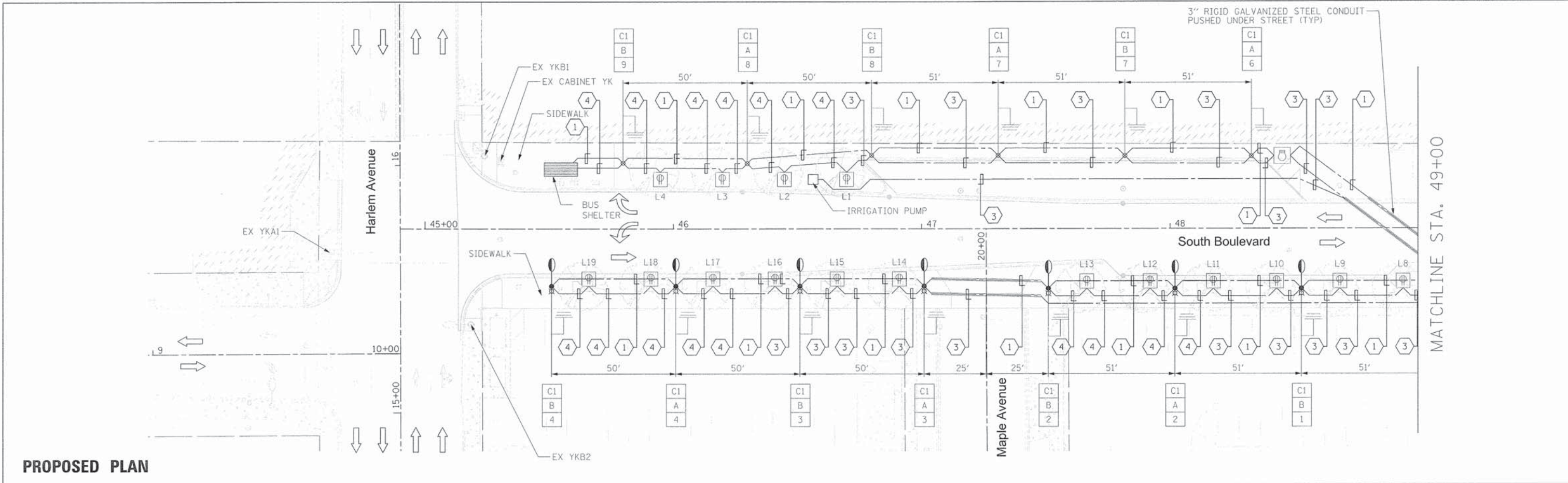
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DRAWN -	BCB	CHECKED -	EME	REVISED -	
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PLLOT DATE =	9/28/2015				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

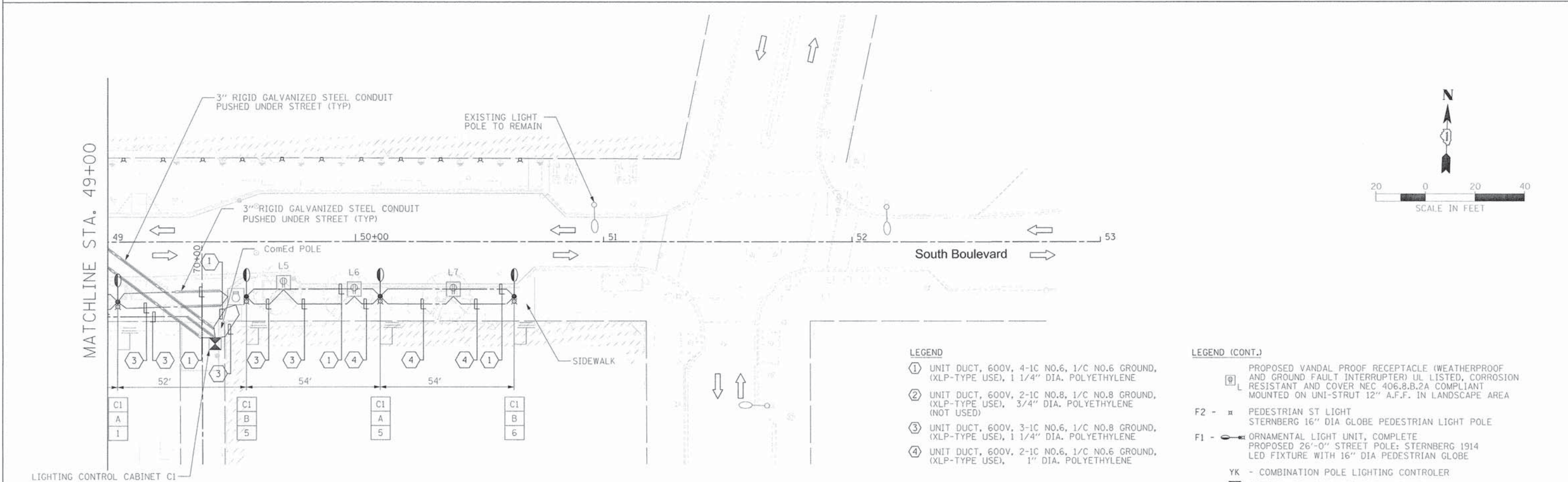
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
LIGHTING REMOVAL PLAN**

SCALE: 1"=30' SHEET 2 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	86
CONTRACT NO. 61B99				
[ILLINOIS] FED. AID PROJECT				



**PROPOSED PLAN**



**PROPOSED PLAN**

**LEGEND**

- ① UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- ② UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE (NOT USED)
- ③ UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- ④ UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

**LEGEND (CONT.)**

- Ⓛ PROPOSED VANDAL PROOF RECEPTACLE (WEATHERPROOF AND GROUND FAULT INTERRUPTER) UL LISTED, CORROSION RESISTANT AND COVER NEC 406.8.B.2A COMPLIANT MOUNTED ON UNI-STRUT 12" A.F.F. IN LANDSCAPE AREA
- F2 - x PEDESTRIAN ST LIGHT STERNBERG 16" DIA GLOBE PEDESTRIAN LIGHT POLE
- F1 - o ORNAMENTAL LIGHT UNIT, COMPLETE PROPOSED 26'-0" STREET POLE: STERNBERG 1914 LED FIXTURE WITH 16" DIA PEDESTRIAN GLOBE
- YK - COMBINATION POLE LIGHTING CONTROLLER
- ⓧ CONTROLLER, 100A, 120/240V, 1PH, 3W

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

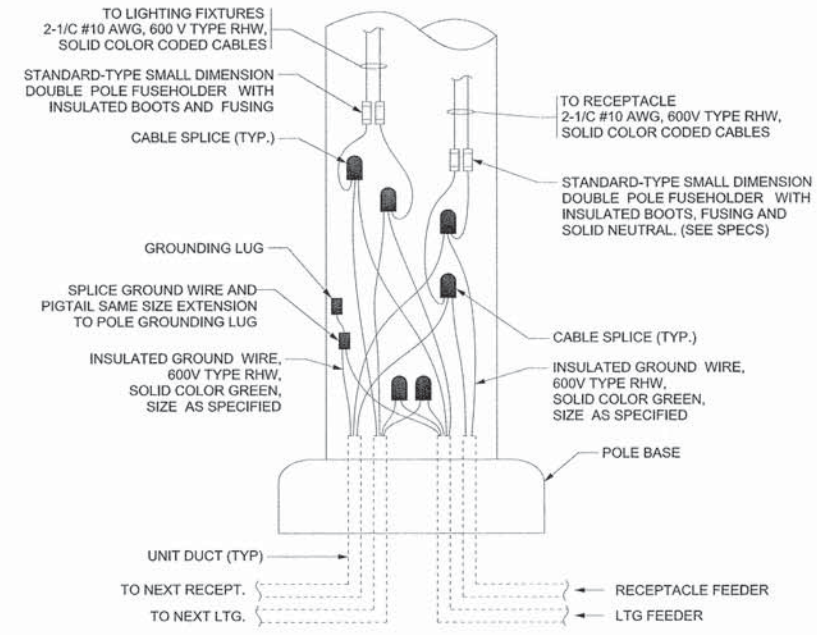
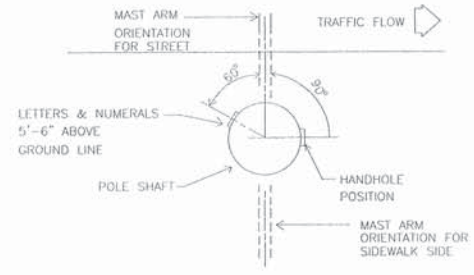
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS**  
**LIGHTING INTALLATION PLAN**

SCALE: 1"=30'    SHEET 3 OF 10 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	87
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

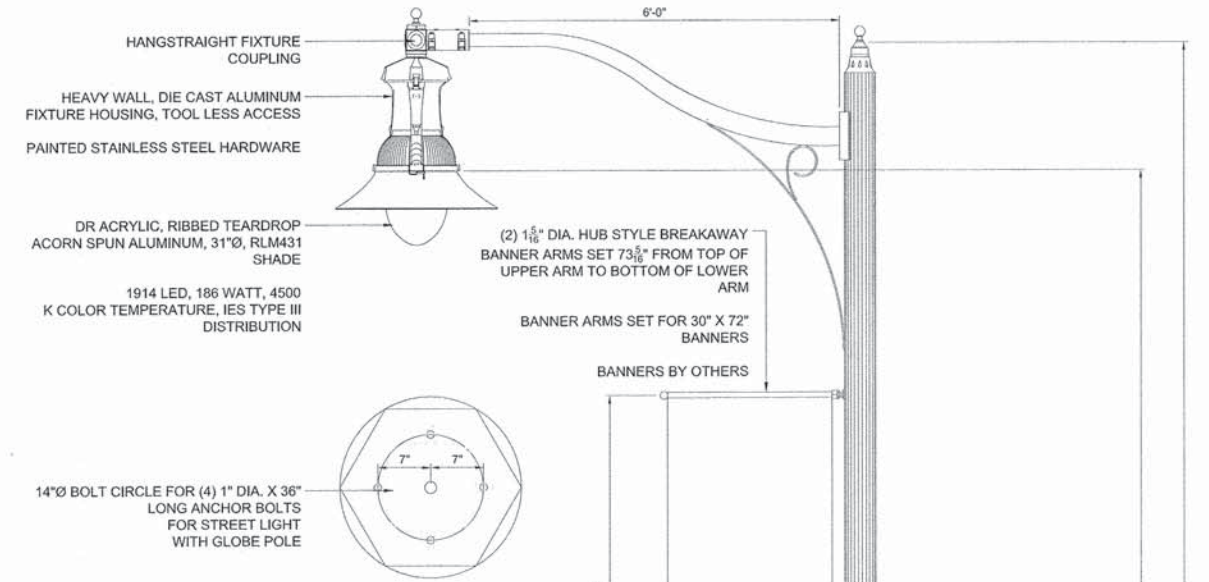
### 1 HANDHOLE AND POLE TAG ORIENTATION

NTS



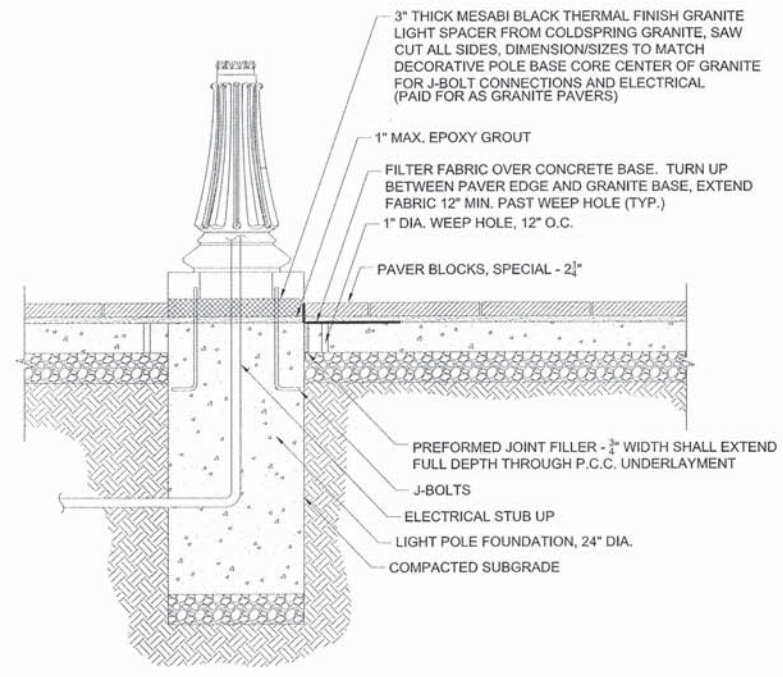
### 4 POLE WIRING DETAIL

NTS



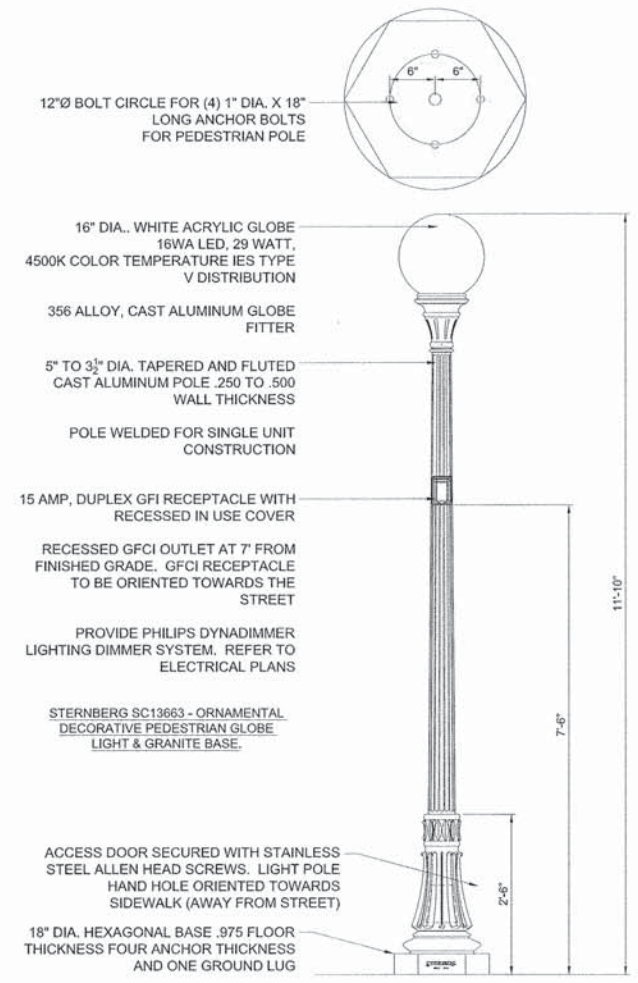
### 6 ORNAMENTAL LIGHT UNIT, COMPLETE

NTS



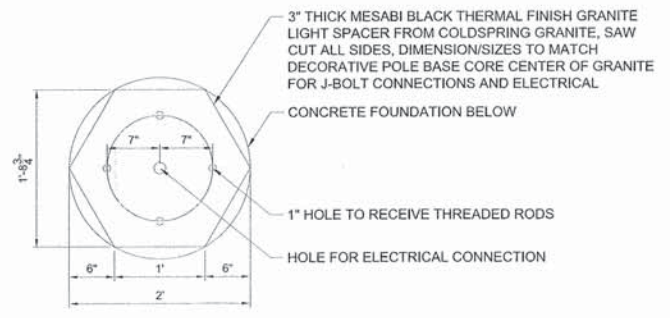
### 2 LIGHT POLE BASE DETAIL

NTS



### 5 PEDESTRIAN ST LIGHT

NTS



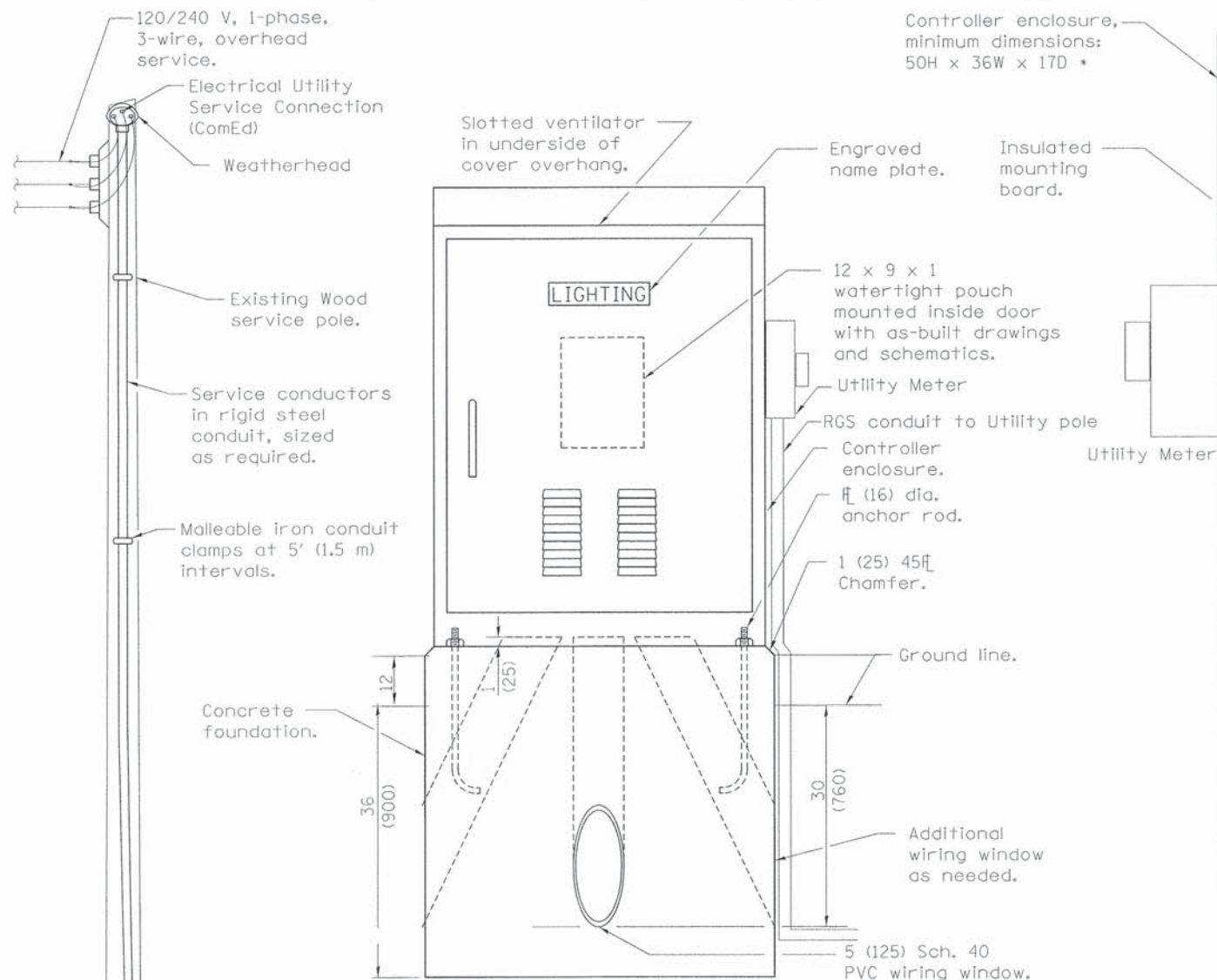
### 3 STREET LIGHT POLE SPACER DETAIL

NTS

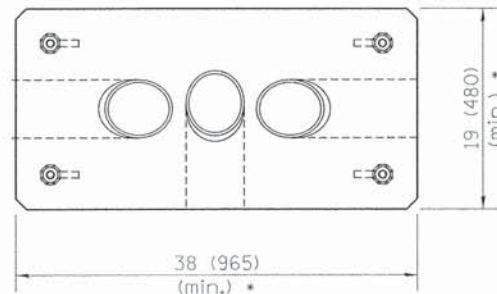
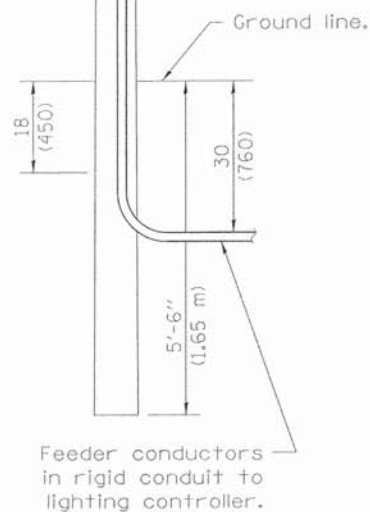
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 Date: 9/28/2015  
 Time: 10:44:11 AM

	USER NAME = BernardB	DESIGNED - EME	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS LIGHTING DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 30.0000 1" = 30'	DRAWN - BCB	CHECKED - EME		REVISED -	SCALE: 1"=30'	SHEET 4	OF 10 SHEETS	STA.	TO STA.	COOK	107
	PLOT DATE = 9/28/2015	DATE = 9/28/2015	REVISED -					CONTRACT NO. 61B99		ILLINOIS FED. AID PROJECT		





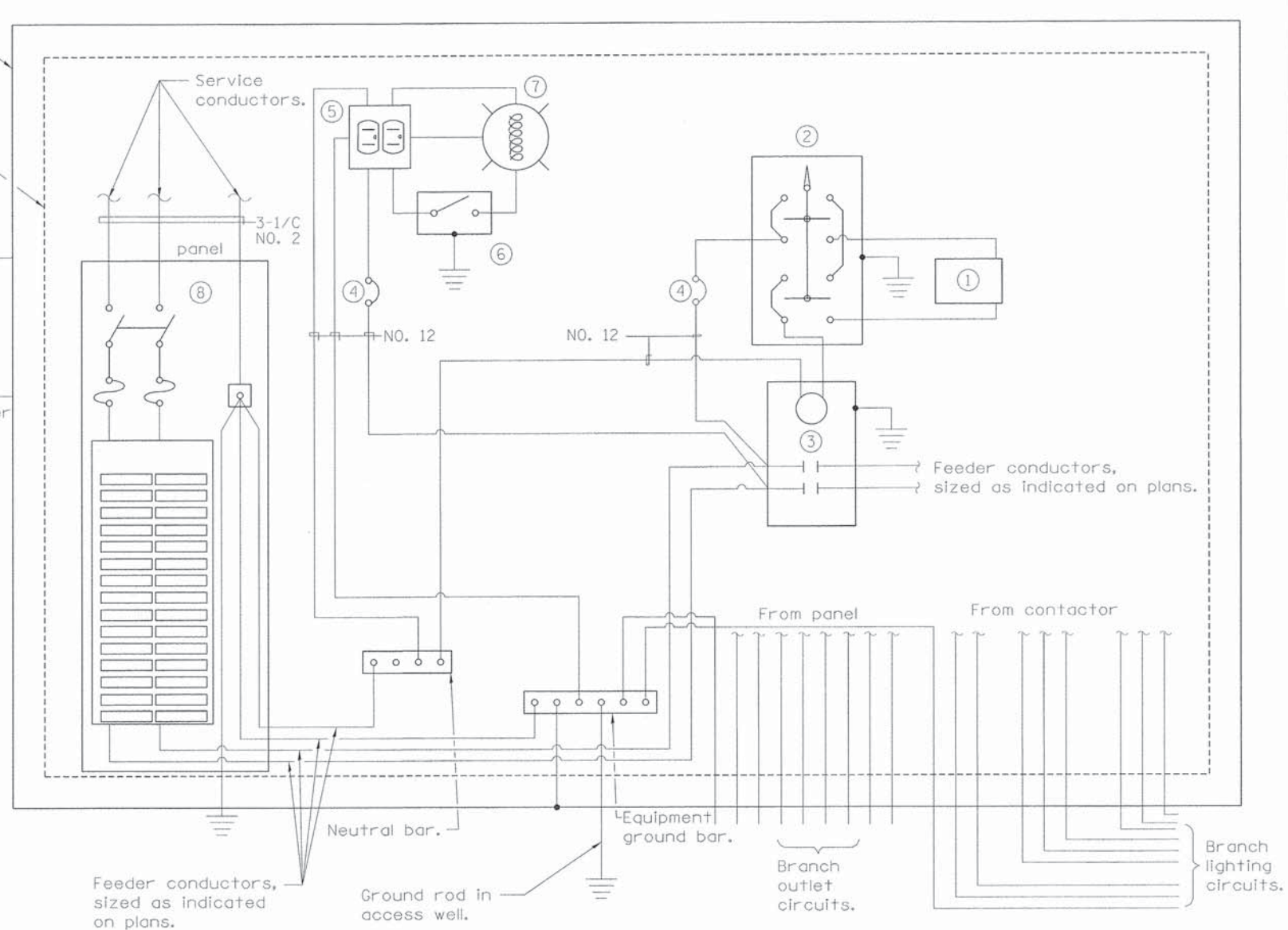
**LIGHTING CONTROLLER**



**FOUNDATION (PLAN)**  
(Work pad not shown.)



**ANCHOR ROD DETAIL**



**CONTROL SCHEMATIC**

- ① Time clock.
- ② HAND-OFF-AUTO selector switch.
- ③ 100 amp\*, electrically held contactor.
- ④ 15 amp, 1-pole circuit breaker.
- ⑤ GFCI duplex receptacle.
- ⑥ Single-pole, single-throw switch.
- ⑦ Incandescent luminaire, enclosed and gasketed with 100 watt lamp.
- ⑧ Service rated panel, 100 amp, 120/240V, 1phase, 3 wire, 30 poles with all breakers as indicated on the panel schedule.
- ⑨ Terminal block sized for conductors as shown on plans.

\* Size larger as needed. All dimensions are in inches (millimeters) Or as directed by Utility Company. unless otherwise shown.

M:\ASD\11- BLVD OakPark TCSP (13-227)\DESIGN\CIVIL\CADD Sheets\IMPORTED FILES FROM PROJECT\ISE\018227-h1-light5.dgn  
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USER NAME = BernardB	DESIGNED - EME	REVISED -
PLLOT SCALE = 3/8"=1'-0"	DRAWN - BCB	REVISED -
PLLOT DATE = 9/28/2015	CHECKED - EME	REVISED -
	DATE - 9/28/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
LIGHTING DETAILS - LIGHTING CONTROLLER BASE MOUNTED, 240V

SCALE: 1"=30' SHEET 5 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	89
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

# SOUTH BOULEVARD



① IN 3" RIGID GALVANIZED STEEL CONDUIT PUSHED UNDER STREET CCT 1/3, 2/4

③ IN 3" RIGID GALVANIZED STEEL CONDUIT PUSHED UNDER STREET CCT 18, 20

IN 3" RIGID GALVANIZED STEEL CONDUIT PUSHED UNDER STREET CCT 14, 16

3-1/2 NO.2 IN 3" RGS CONDUIT TO LIGHTING CABINET (CI)

UP TO COMED POLE. EXTEND WIRING 20'-0" FOR FINAL TERMINATION BY COMED. COORDINATE EXACT INSTALLATION WITH COMED.

### LEGEND

- ① UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- ② UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE (NOT USED)
- ③ UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- ④ UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE

W:\SOUTH BLVD OakPark TCBP 13-227\DESIGN\CIVIL\GOOD SHEETS\IMPORTED FILES FROM PROJECT\WSE\0180227-4-1-1-lighting.dgn  
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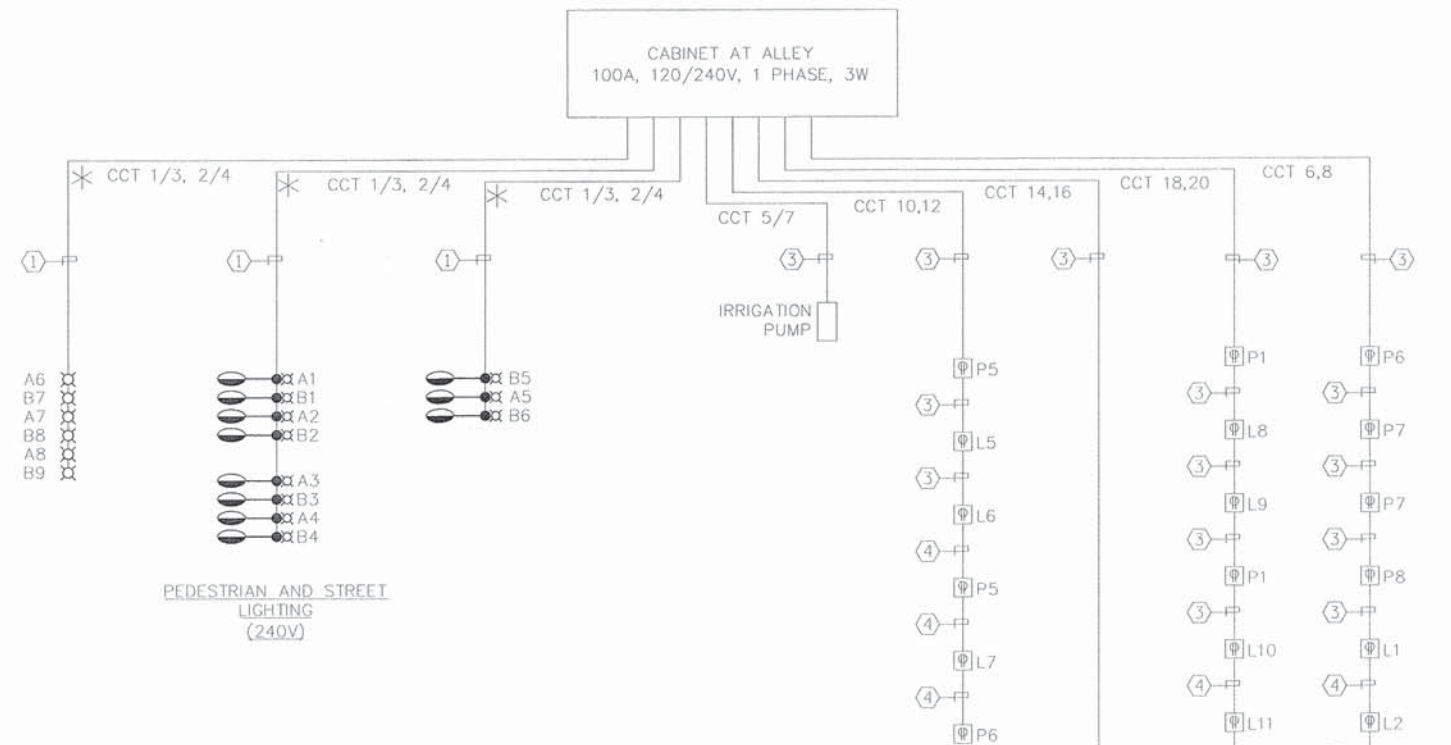
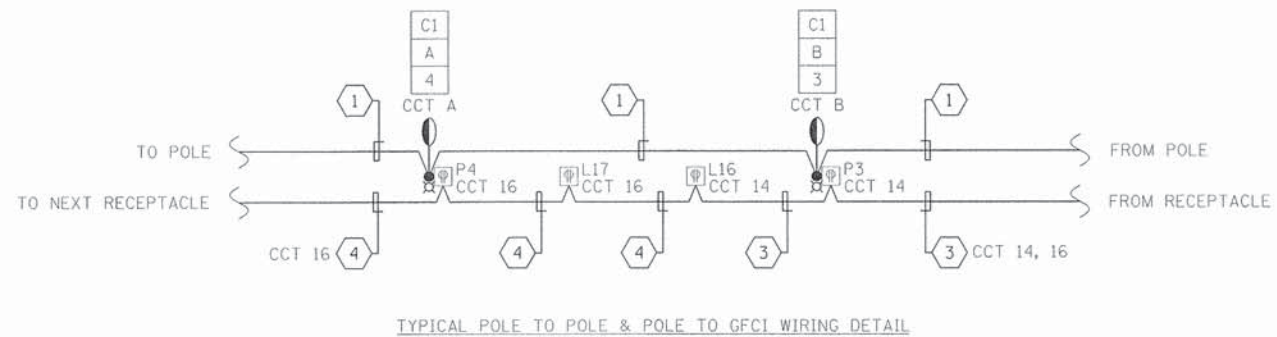
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	DATE - 9/28/2015	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS**  
**LIGHTING INSTALLATION DETAIL**

SCALE: 1"=2'    SHEET 6 OF 10 SHEETS    STA.    TO STA.

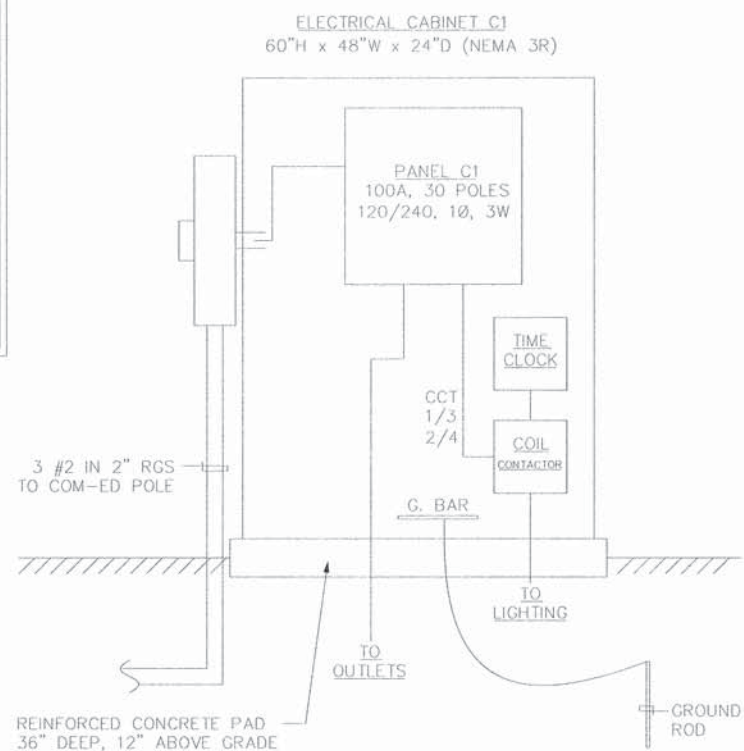
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	90
CONTRACT NO. 61899				
ILLINOIS FED. AID PROJECT				



PANELBOARD SCHEDULE									
PANEL	C1		CHARACTERISTICS		120/240 V 1Ø 3W				
MAIN	100A		BUS AMP		100A				
LOCATION	ELECTRIC CABINET		MOUNTING		S		FEEDER TAG		
CONN'D. V.A.	LOAD SERVED	CCT. AMP	CCT. NO.	PHASE A	PHASE B	CCT. AMP	CCT. NO.	LOAD SERVED	CONN'D. V.A.
600	LTG	20	1	1200		20	2	LTG	600
600	LTG	2P	3			4	2P	LTG	600
400	IRRIGATION PUMP	20	5	1400		6	30	OUTLETS	1000
400	IRRIGATION PUMP	2P	7		1000	8	30	OUTLETS	600
	SPARE		9	600		10	30	OUTLETS	600
	SPARE		11		600	12	30	OUTLETS	600
	SPARE		13	1000		14	30	OUTLETS	1000
	SPARE		15		1000	16	30	OUTLETS	1000
	SPARE		17	1000		18	30	OUTLETS	1000
	SPARE		19		1000	20	30	OUTLETS	1000
	SPARE		21			22	30	SPARE	
	SPARE		23			24	30	SPARE	
	SPARE		25			26	30	SPARE	
	SPARE		27			28	30	SPARE	
	SPARE		29			30	30	SPARE	
TOTAL V.A. BY PHASE				5200	4800	TOTAL LOAD		10 (KVA)	
								41 (AMPS)	
REMARKS									
* FUTURE									
PROJ. NAME		+							
PROJ. NUM.		+							
DATE		+							

**LEGEND AND ABBREVIATIONS:**

- ① UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- ② UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE
- ③ UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE
- ④ UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- Ⓛ GFI, WEATHERPROOF OUTLET 36" ABOVE GRADE MOUNTED ON UNI-STRUT IN LANDSCAPE AREA REFER TO DETAIL FOR EXACT LOCATION
- Ⓟ GFI, WEATHERPROOF RECEPTACLE RECESSED IN POLE REFER TO DETAIL FOR EXACT LOCATION
- ⊗ PEDESTRIAN ST LIGHT PROPOSED PEDESTRIAN STERNBERG 16" DIA GLOBE PEDESTRIAN LIGHT POLE REFER TO DETAIL FOR DETAILED INFORMATION.
- ⊗ ORNAMENTAL LIGHT UNIT, COMPLETE PROPOSED 26'-0" STREET POLE: STERNBERG 1914 LED FIXTURE WITH 16" DIA PEDESTRIAN GLOBE REFER TO DETAIL FOR DETAILED INFORMATION.
- \* CONTROLLED VIA TIME CLOCK
- AL 1 LIGHTING CIRCUIT NUMBER
- LIGHTING CIRCUIT
- POLE/FIXTURE TAG



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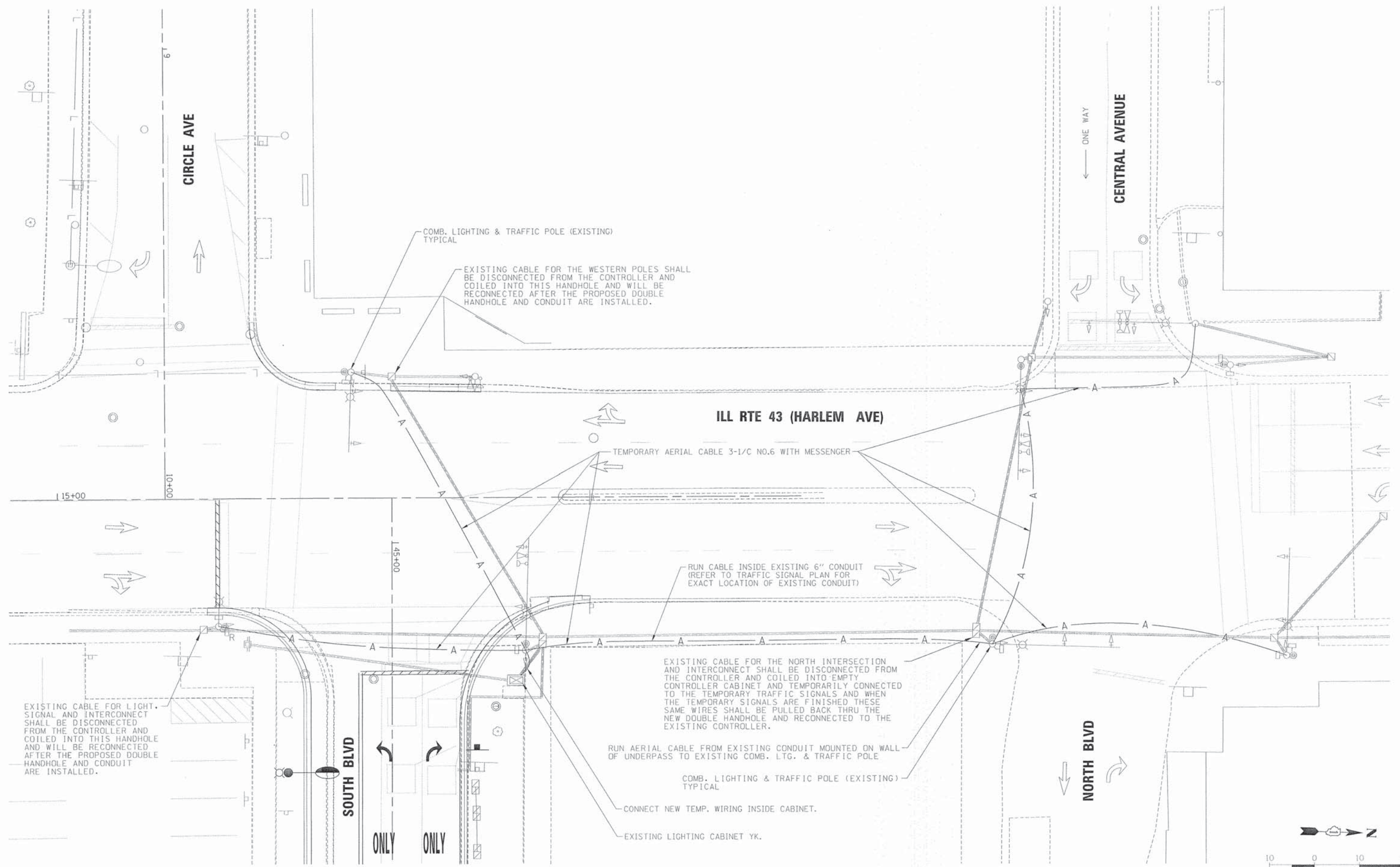
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DATE	- 9/28/2015	DATE	- 9/28/2015	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
WIRING DIAGRAMS**

SCALE: 1"=30' SHEET 7 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	91
CONTRACT NO. 61899				
ILLINOIS FED. AID PROJECT				



EXISTING CABLE FOR LIGHT, SIGNAL AND INTERCONNECT SHALL BE DISCONNECTED FROM THE CONTROLLER AND COILED INTO THIS HANDHOLE AND WILL BE RECONNECTED AFTER THE PROPOSED DOUBLE HANDHOLE AND CONDUIT ARE INSTALLED.

COMB. LIGHTING & TRAFFIC POLE (EXISTING) TYPICAL

EXISTING CABLE FOR THE WESTERN POLES SHALL BE DISCONNECTED FROM THE CONTROLLER AND COILED INTO THIS HANDHOLE AND WILL BE RECONNECTED AFTER THE PROPOSED DOUBLE HANDHOLE AND CONDUIT ARE INSTALLED.

ILL RTE 43 (HARLEM AVE)

TEMPORARY AERIAL CABLE 3-1/2 NO.6 WITH MESSENGER

RUN CABLE INSIDE EXISTING 6" CONDUIT (REFER TO TRAFFIC SIGNAL PLAN FOR EXACT LOCATION OF EXISTING CONDUIT)

EXISTING CABLE FOR THE NORTH INTERSECTION AND INTERCONNECT SHALL BE DISCONNECTED FROM THE CONTROLLER AND COILED INTO EMPTY CONTROLLER CABINET AND TEMPORARILY CONNECTED TO THE TEMPORARY TRAFFIC SIGNALS AND WHEN THE TEMPORARY SIGNALS ARE FINISHED THESE SAME WIRES SHALL BE PULLED BACK THRU THE NEW DOUBLE HANDHOLE AND RECONNECTED TO THE EXISTING CONTROLLER.

RUN AERIAL CABLE FROM EXISTING CONDUIT MOUNTED ON WALL OF UNDERPASS TO EXISTING COMB. LTG. & TRAFFIC POLE

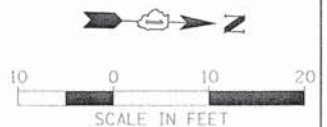
COMB. LIGHTING & TRAFFIC POLE (EXISTING) TYPICAL

CONNECT NEW TEMP. WIRING INSIDE CABINET.

EXISTING LIGHTING CABINET YK.

SOUTH BLVD

NORTH BLVD



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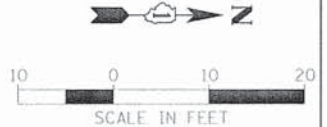
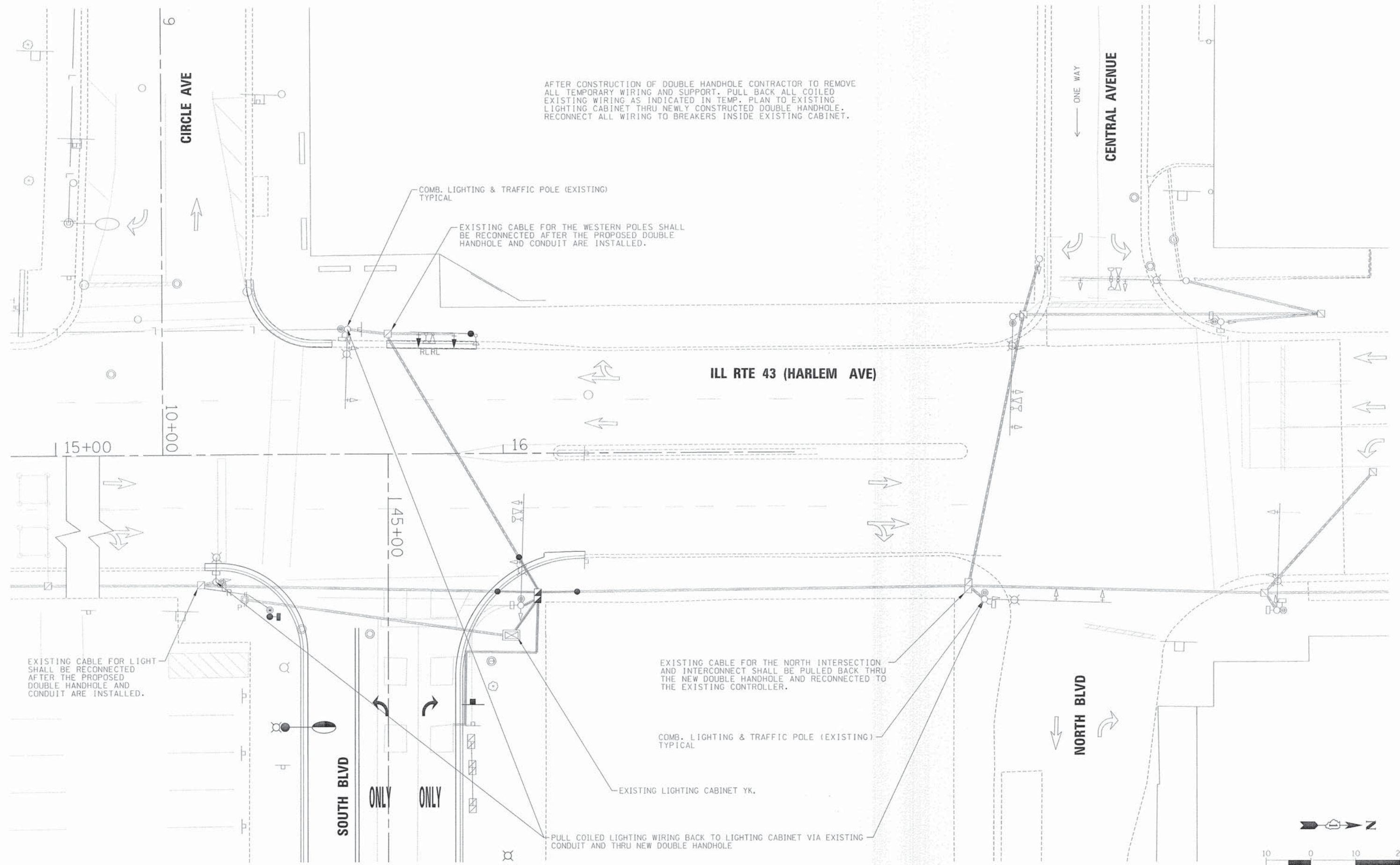
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HARLEM AVE./SOUTH BLVD. & HARLEM AVE./NORTH BLVD.  
TEMPORARY LIGHTING PLAN

SCALE: 1"=10' SHEET 8 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	92
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

AFTER CONSTRUCTION OF DOUBLE HANDHOLE CONTRACTOR TO REMOVE ALL TEMPORARY WIRING AND SUPPORT. PULL BACK ALL COILED EXISTING WIRING AS INDICATED IN TEMP. PLAN TO EXISTING LIGHTING CABINET THRU NEWLY CONSTRUCTED DOUBLE HANDHOLE. RECONNECT ALL WIRING TO BREAKERS INSIDE EXISTING CABINET.



N:\SOUTH BLVD C&P\4k TCP\13-227\DESIGN\CIVIL\ROAD Sheets\IMPORTED FILES FROM PROJECT\13-00256-00-PV\13-00256-00-PV-light.dgn  
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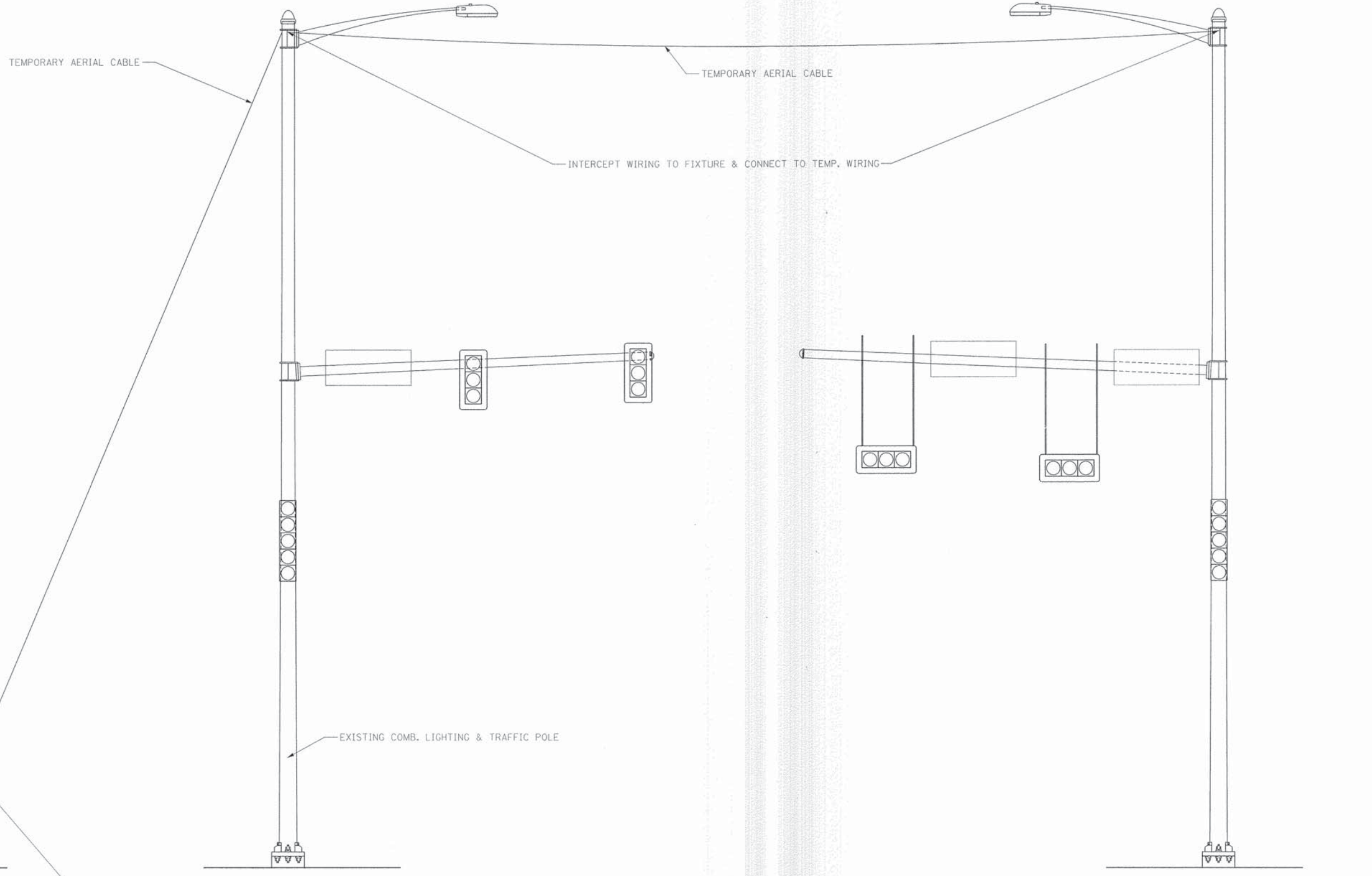
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CHECKED - EME	REVISED -	
DATE - 9/28/2015	REVISED -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**HARLEM AVE./SOUTH BLVD. & HARLEM AVE/NORTH BLVD.**  
**PROPOSED LIGHTING PLAN**

SCALE: 1"=10'    SHEET 9 OF 10 SHEETS    STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	93
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				



**TEMPORARY LIGHTING DETAIL**

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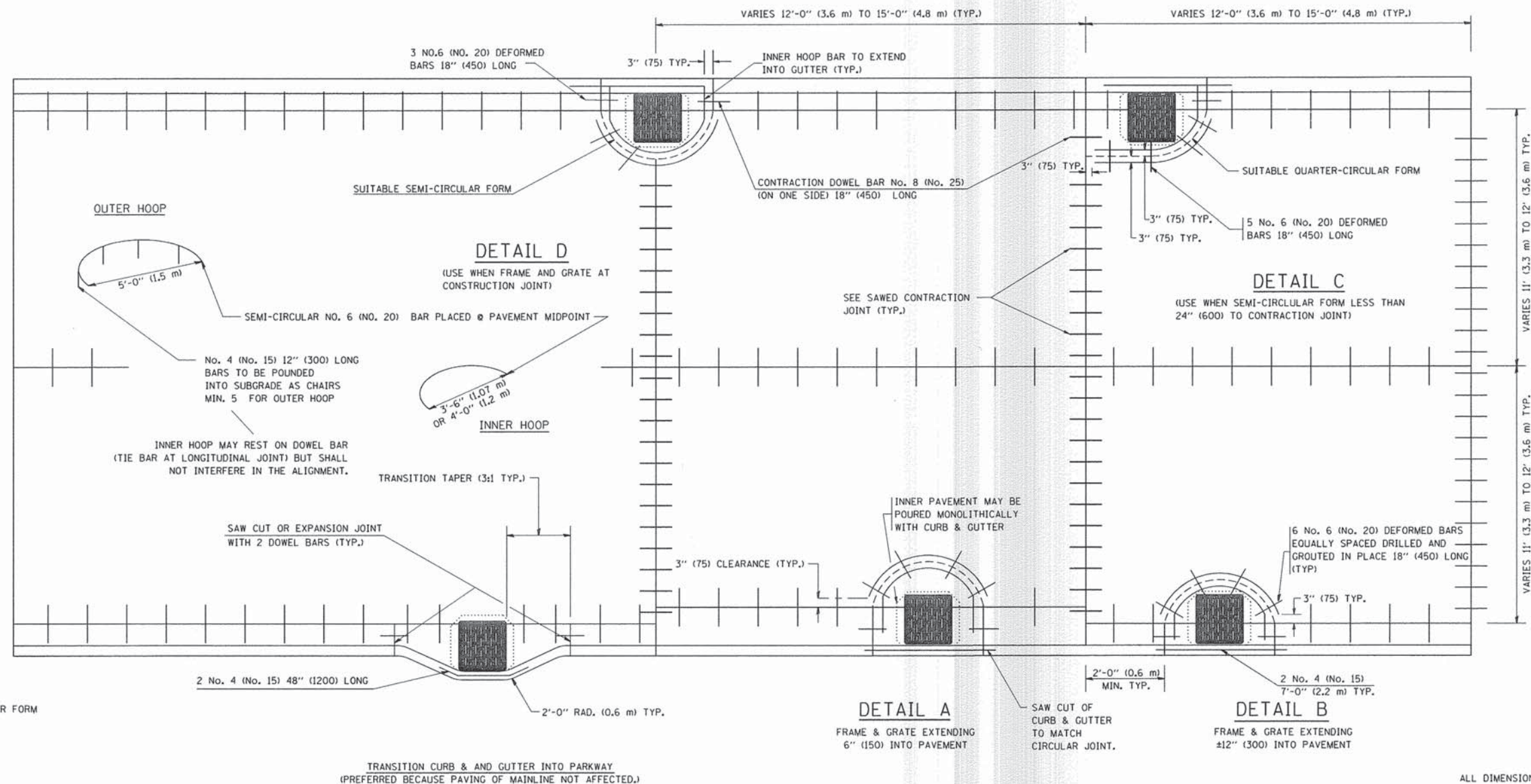
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	PLOT DATE = 9/28/2015	CHECKED - EME	REVISED -		CONTRACT NO. 61B99							
	DATE - 9/28/2015	REVISIED -	REVISED -		ILLINOIS FED. AID PROJECT							
					SCALE: 1"=10'	SHEET 10	OF 10	SHEETS	STA.	TO STA.		

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

DESIGNER NOTE:  
THIS DETAIL IS TO BE USED  
WHEN THE GUTTER FLAG IS  
LESS THAN 24"

NOTES :

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT. EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.



LEGEND:  
..... CASTING  
----- SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

FILE NAME = W:\diststd\22x34\bd48.dgn	USER NAME = gajianobt	DESIGNED - A. ABBAS	REVISED - T. MATOUSEK 08-28-00
		DRAWN - TOM MATOUSEK	REVISED - T. MATOUSEK 10-02-00
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	PLOT DATE = 1/4/2008	DATE - 01-04-99	REVISED - P. LAFLEUR 08-27-02

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

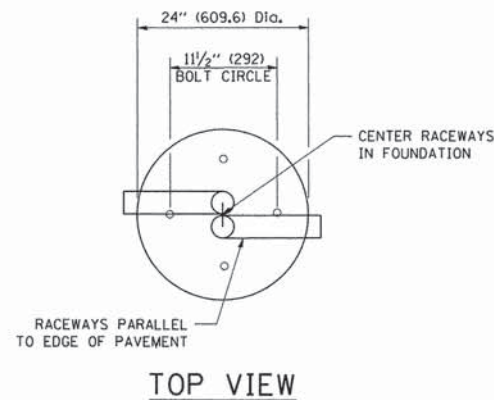
PCC PAVEMENT ROUNDOUTS AT  
CURB AND GUTTER

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

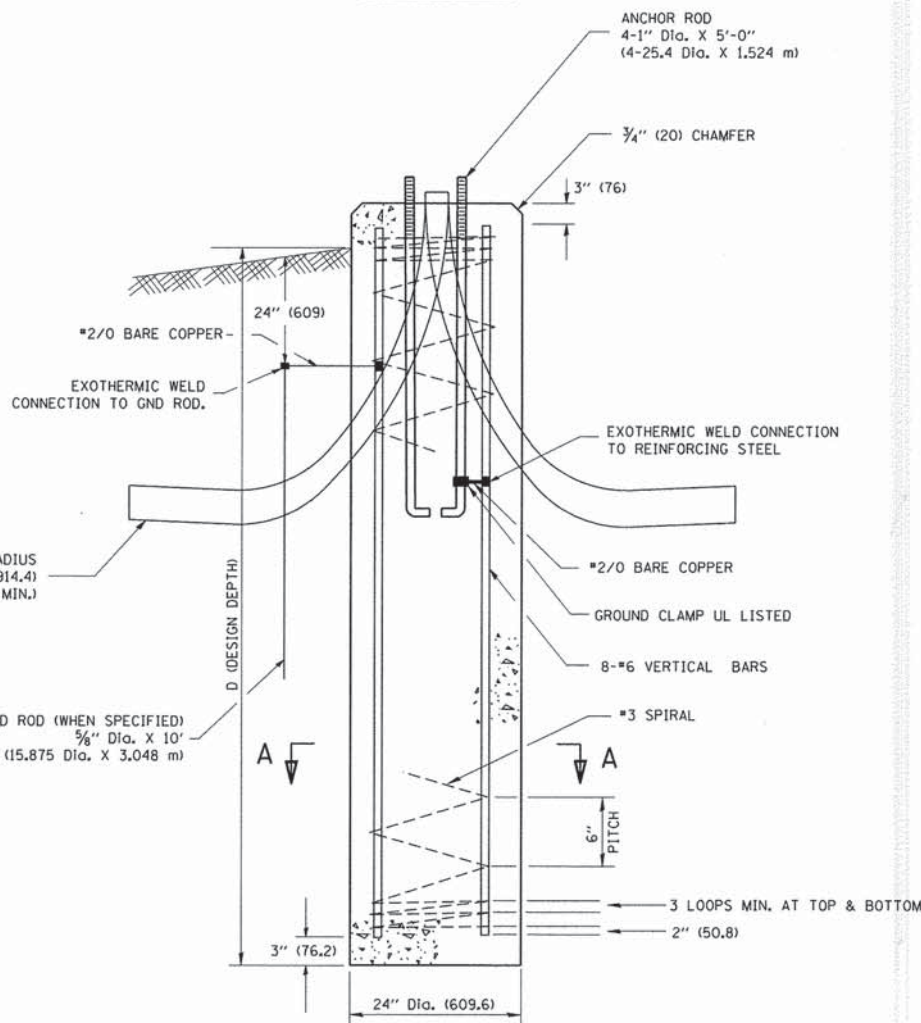
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	95
BD-48		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**LIGHT POLE FOUNDATION DEPTH TABLE**  
**30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT**

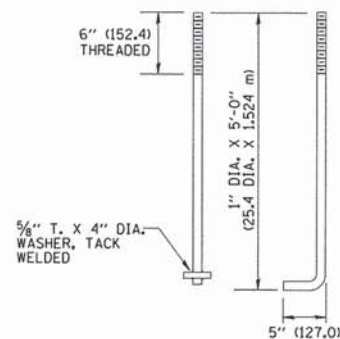
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SO. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SO. FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SO. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



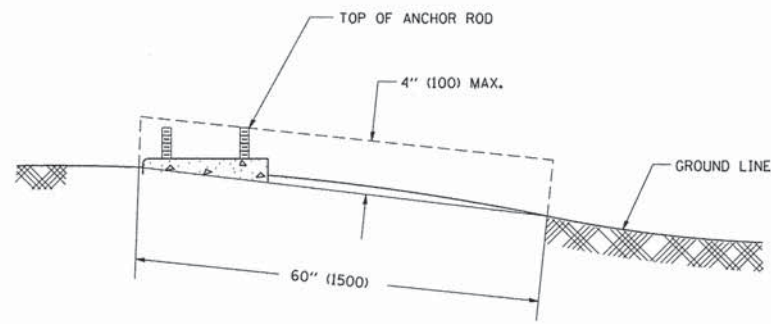
**TOP VIEW**



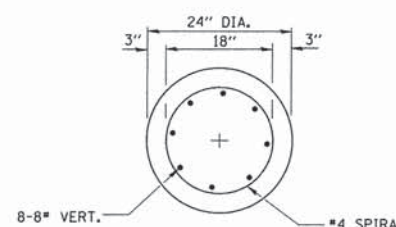
**FOUNDATION DETAIL**



**ANCHOR BOLT DETAIL**



**FOUNDATION EXTENSION DETAIL**

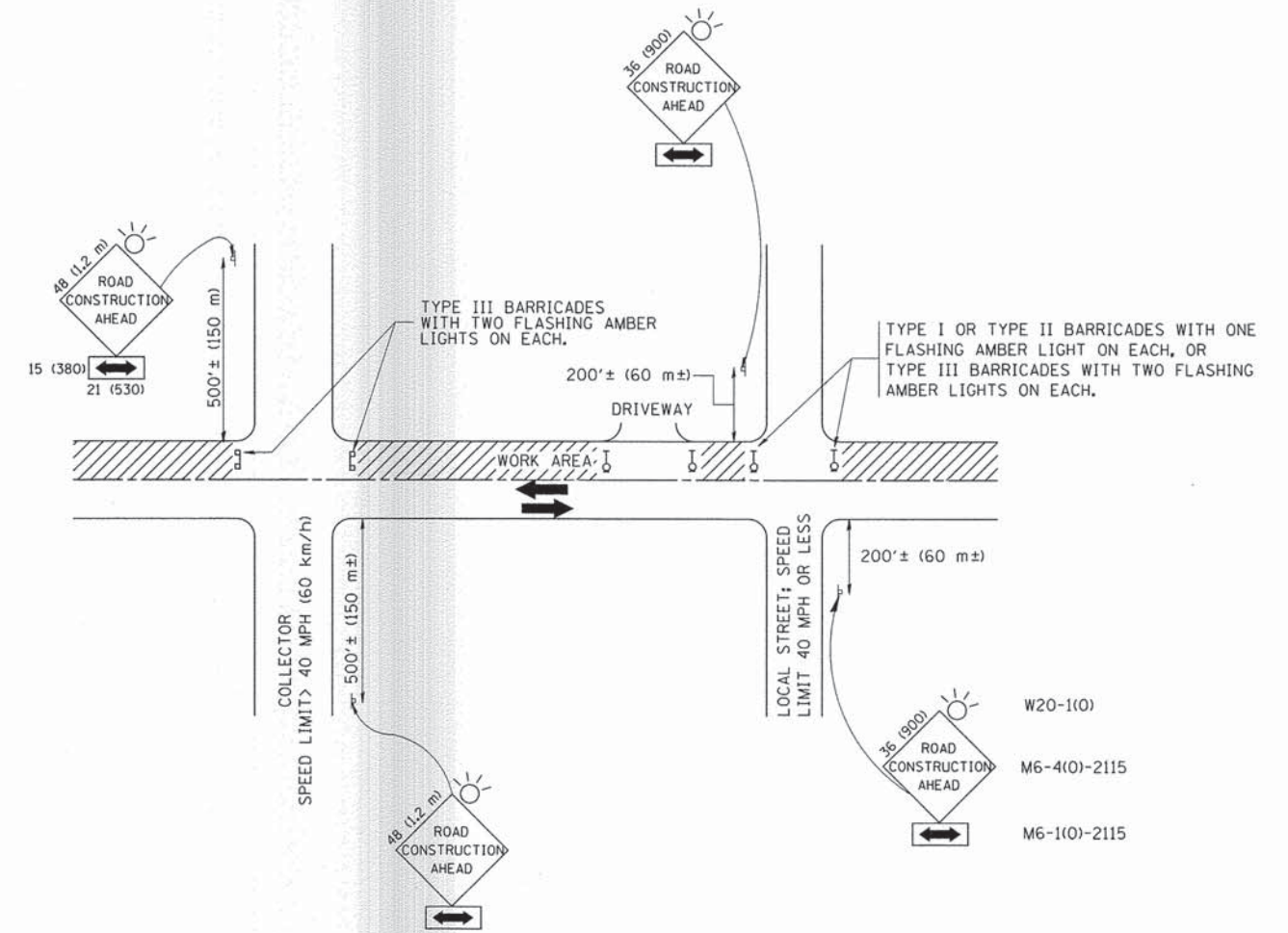


**SECTION A-A**

**NOTES**

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM (6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.





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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

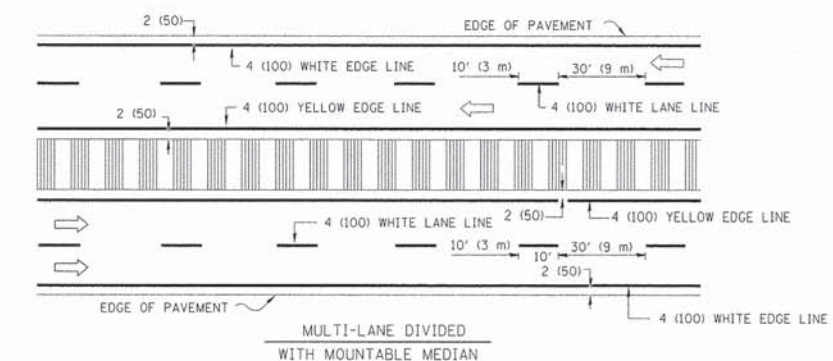
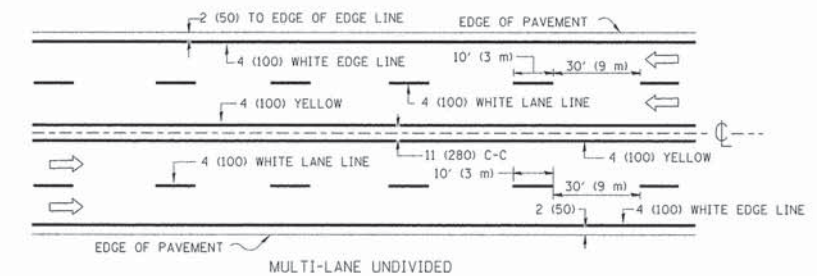
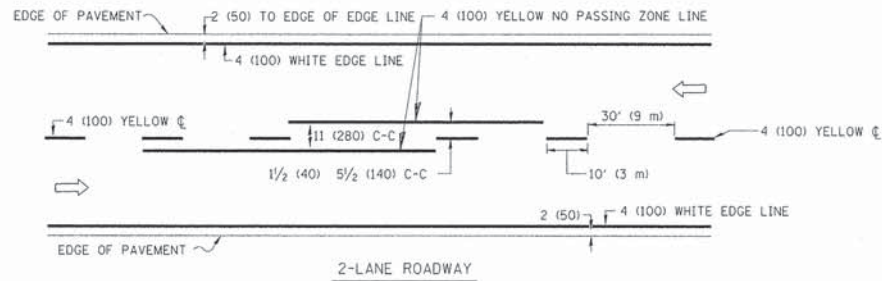
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	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

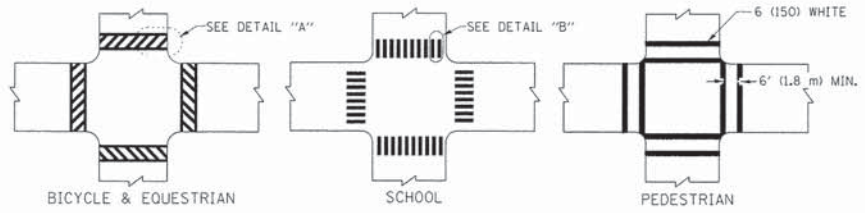
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

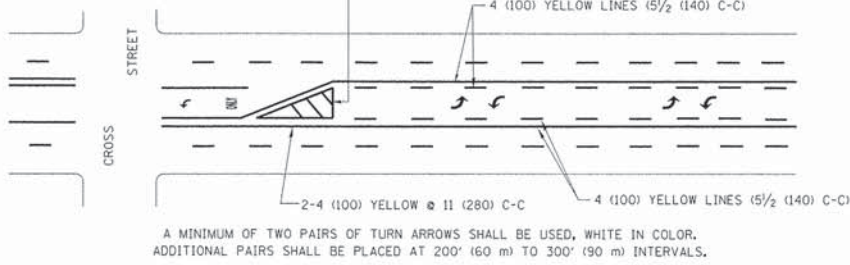
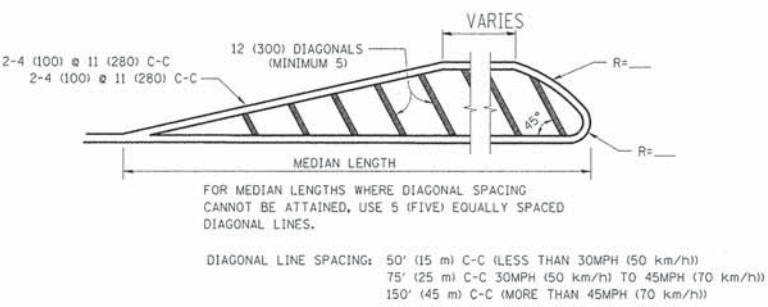
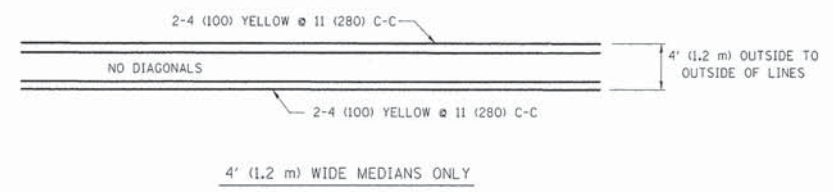


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

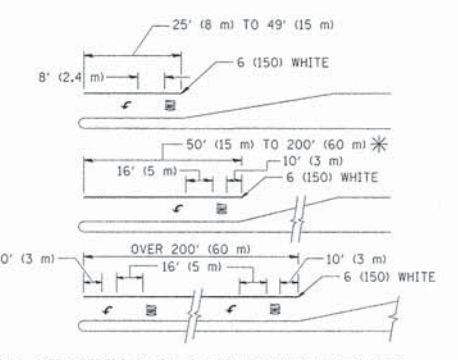
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

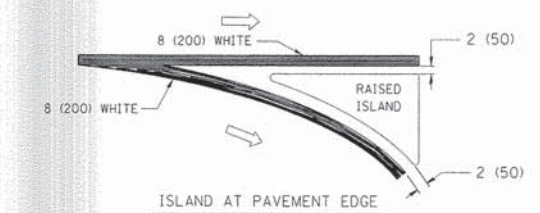
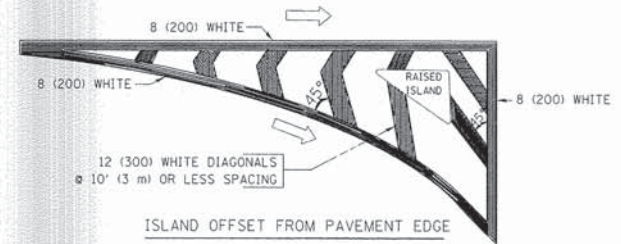


TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

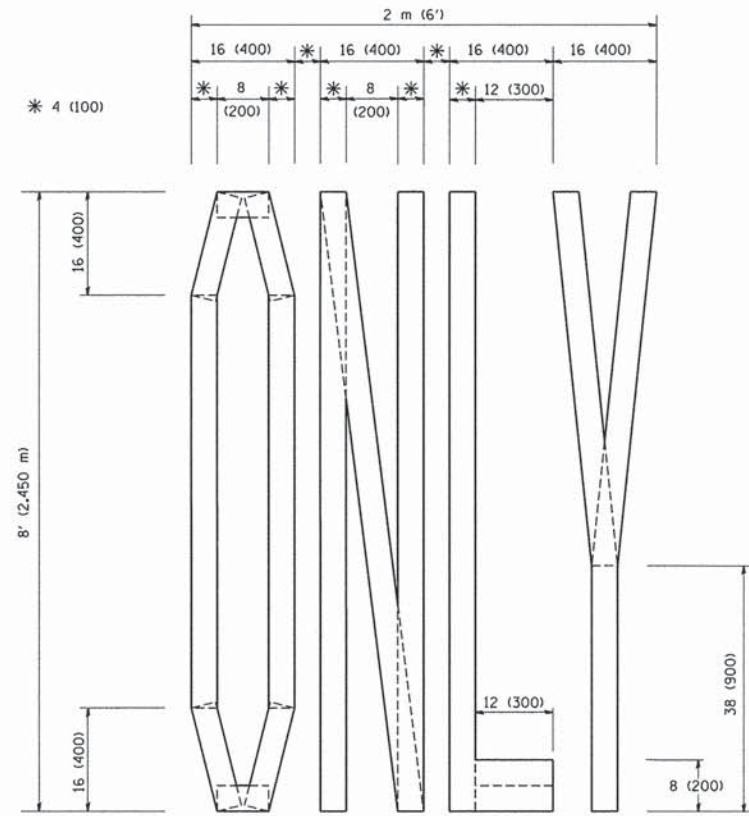
All dimensions are in inches (millimeters) unless otherwise shown.

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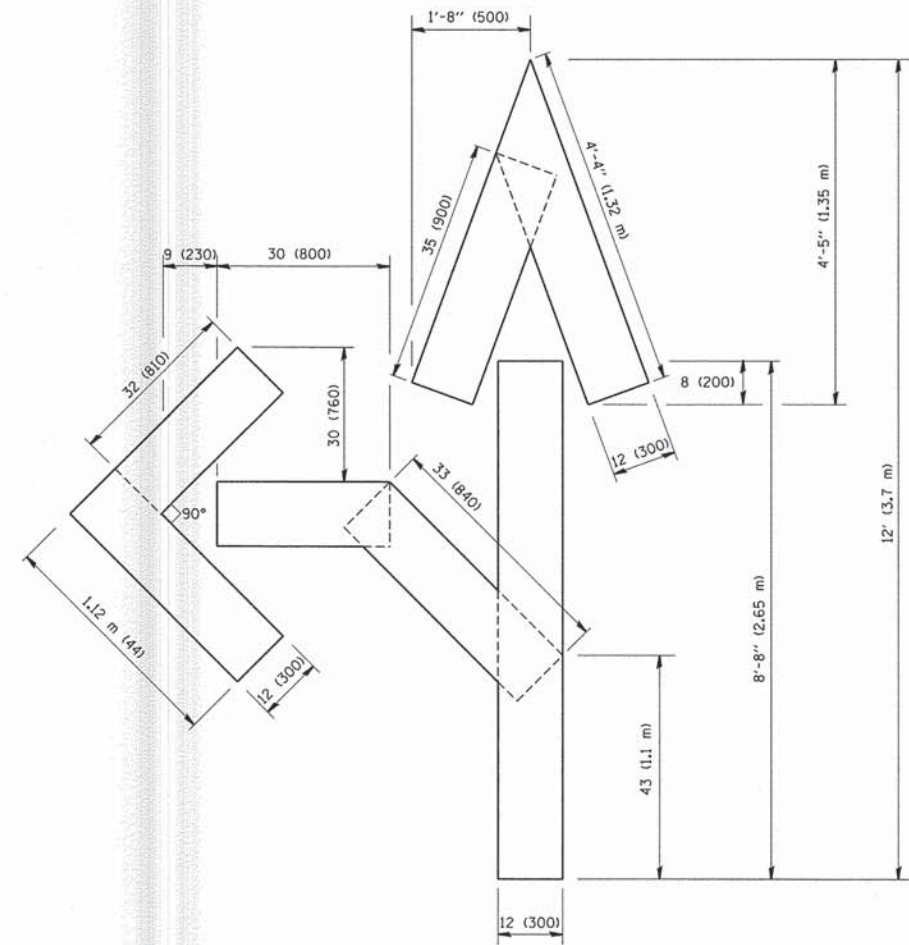
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS			13-00256-00-PV	COOK	107	98
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	CONTRACT NO.	

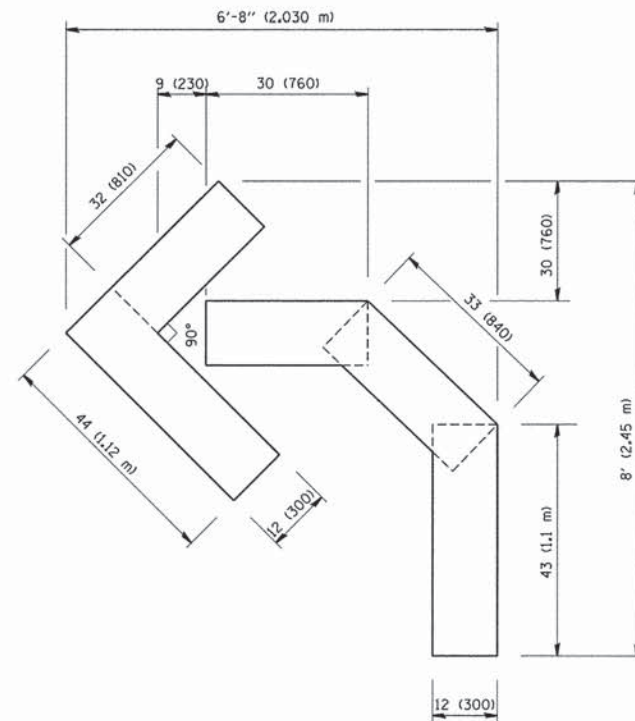
DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS			13-00256-00-PV	COOK	107	98
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	CONTRACT NO.	



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



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



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

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

FILE NAME = W:\diststd\22x34\tcl6.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE = 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION


PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING


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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	99
TC-16		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				






**ROUTE MARKERS**

 FOR U.S. ROUTES  
M1-40-2424






 FOR ILLINOIS ROUTES  
M1-50-2424

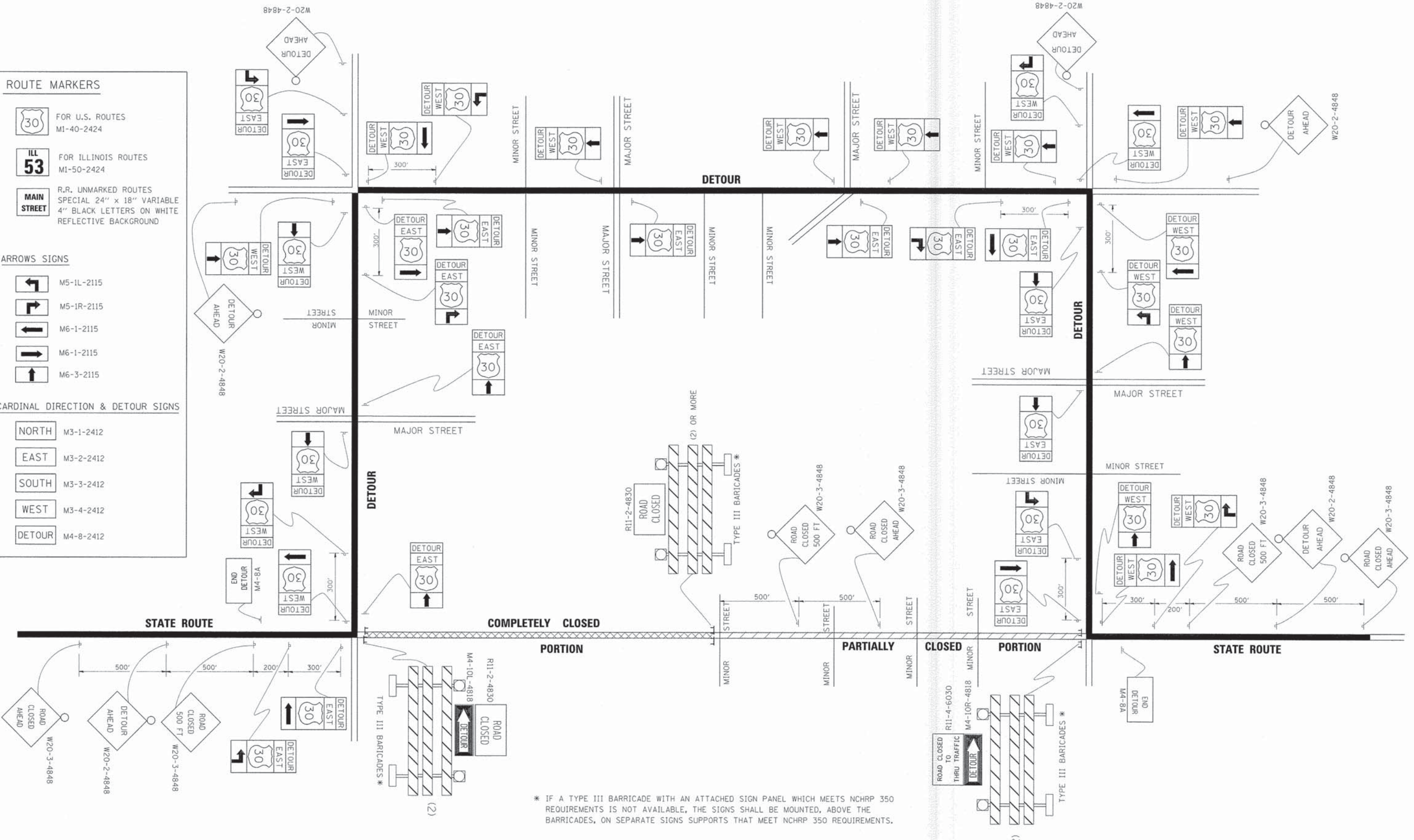
 R.R. UNMARKED ROUTES  
SPECIAL 24" x 18" VARIABLE  
4" BLACK LETTERS ON WHITE  
REFLECTIVE BACKGROUND

**ARROWS SIGNS**

-  M5-1L-2115
-  M5-1R-2115
-  M6-1-2115
-  M6-1-2115
-  M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**

-  NORTH M3-1-2412
-  EAST M3-2-2412
-  SOUTH M3-3-2412
-  WEST M3-4-2412
-  DETOUR M4-8-2412



\* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02
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		CHECKED -	REVISED -
		DATE -	REVISED -

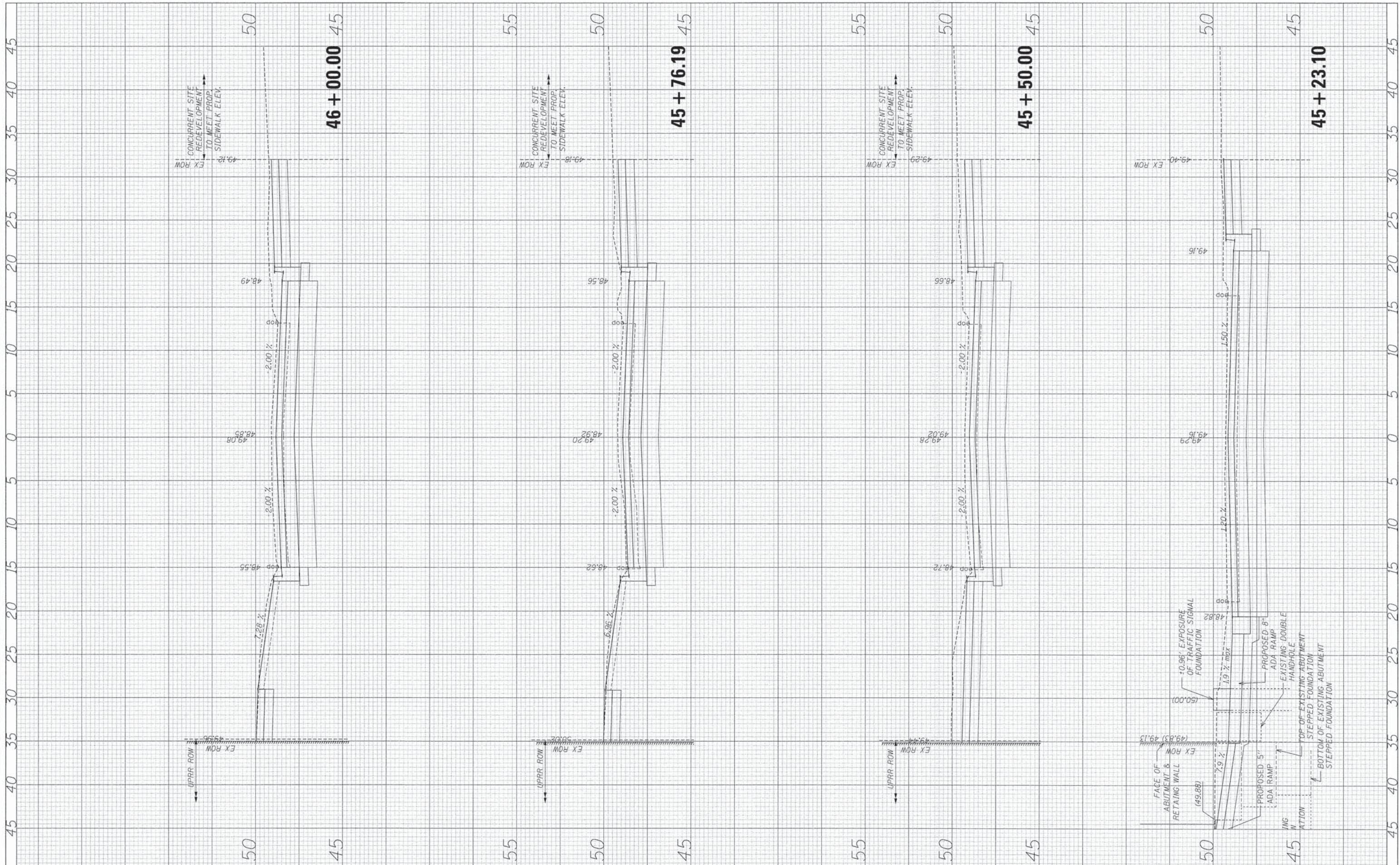
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETOUR SIGNING FOR CLOSING STATE HIGHWAYS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	100
TC-21			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	BY

DATE	BY



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 XS.SHEET.1

USER NAME = BernardB  
 DESIGNED - BCB  
 DRAWN - BCB  
 CHECKED - DPA  
 DATE - 9/3/2015

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

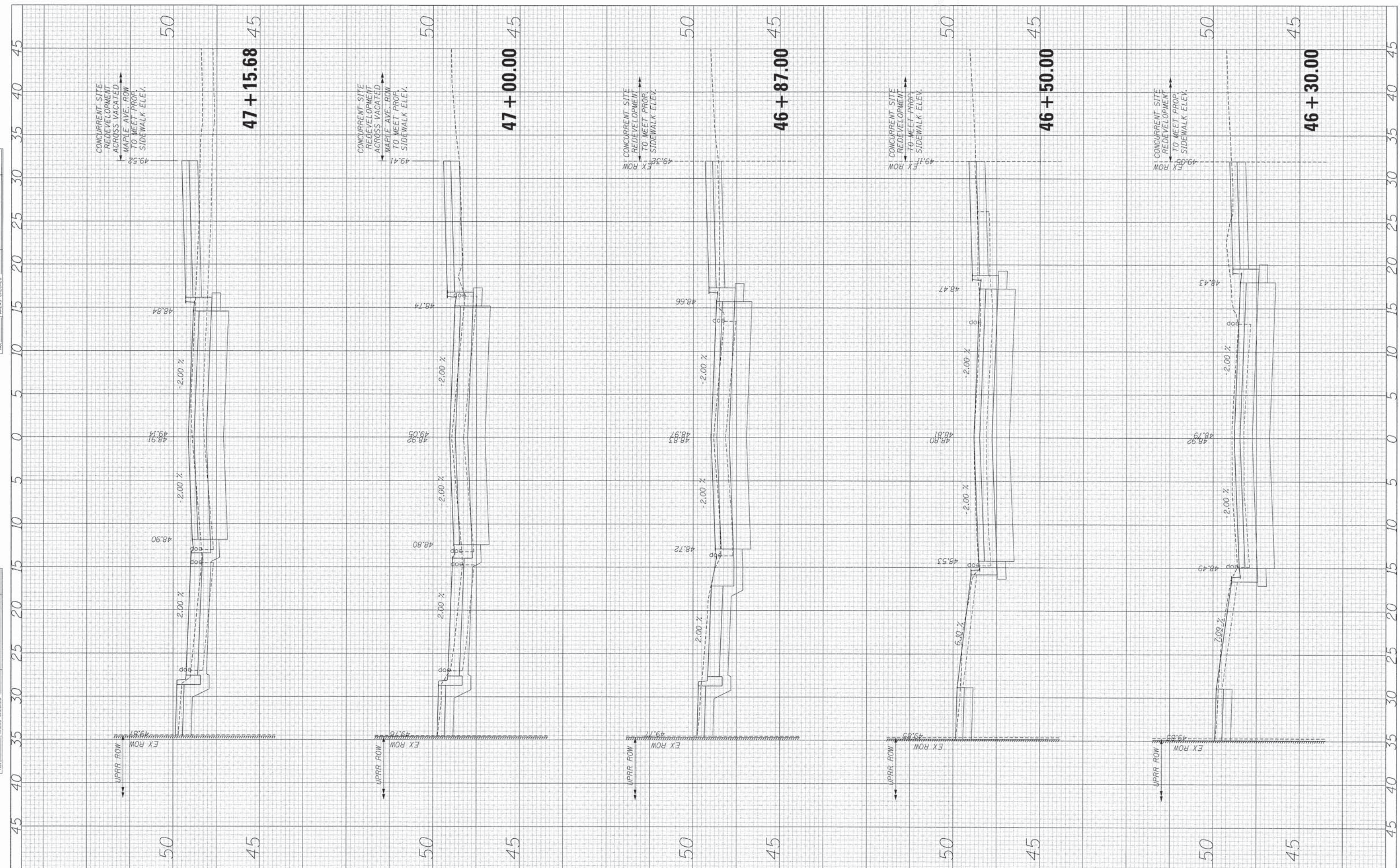
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 CROSS SECTIONS**

SHEET 1 OF 7 SHEETS STA. 45+23.10 TO STA. 46+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	101
				CONTRACT NO. 61B99
				ILLINOIS FED. AID PROJECT

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

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



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 PLOT DATE = 9/3/2015

DESIGNED - BCB  
 DRAWN - BCB  
 CHECKED - DPA  
 DATE - 9/3/2015

REVISED -  
 REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

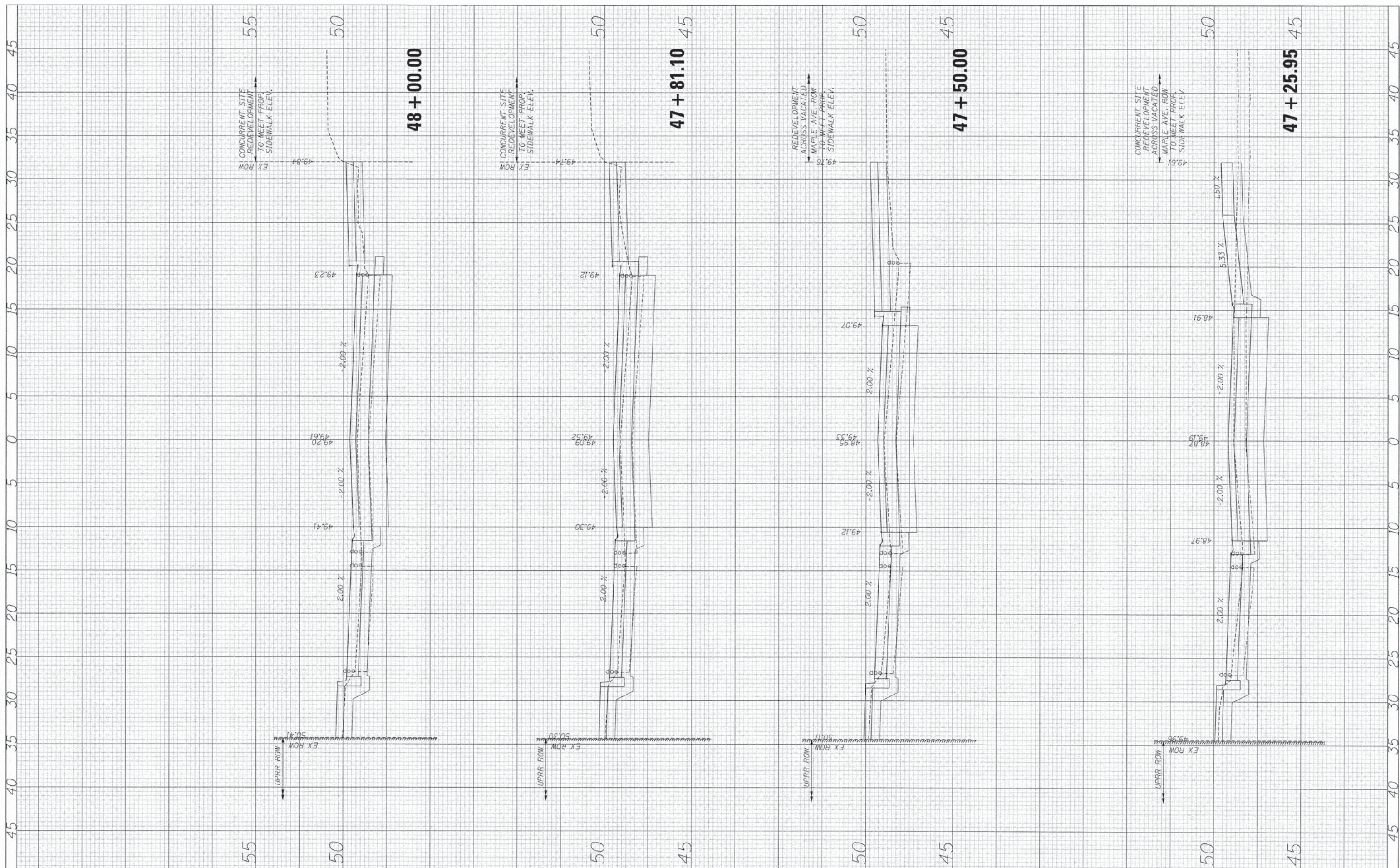
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 CROSS SECTIONS**

SHEET 2 OF 7 SHEETS STA. 46+30.00 TO STA. 47+15.68

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	102
			CONTRACT NO. 61B99	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME : ... \0115227-sht-xssht.dgn  
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DESIGNED - BCB  
 DRAWN - BCB  
 CHECKED - DPA  
 DATE - 9/3/2015

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

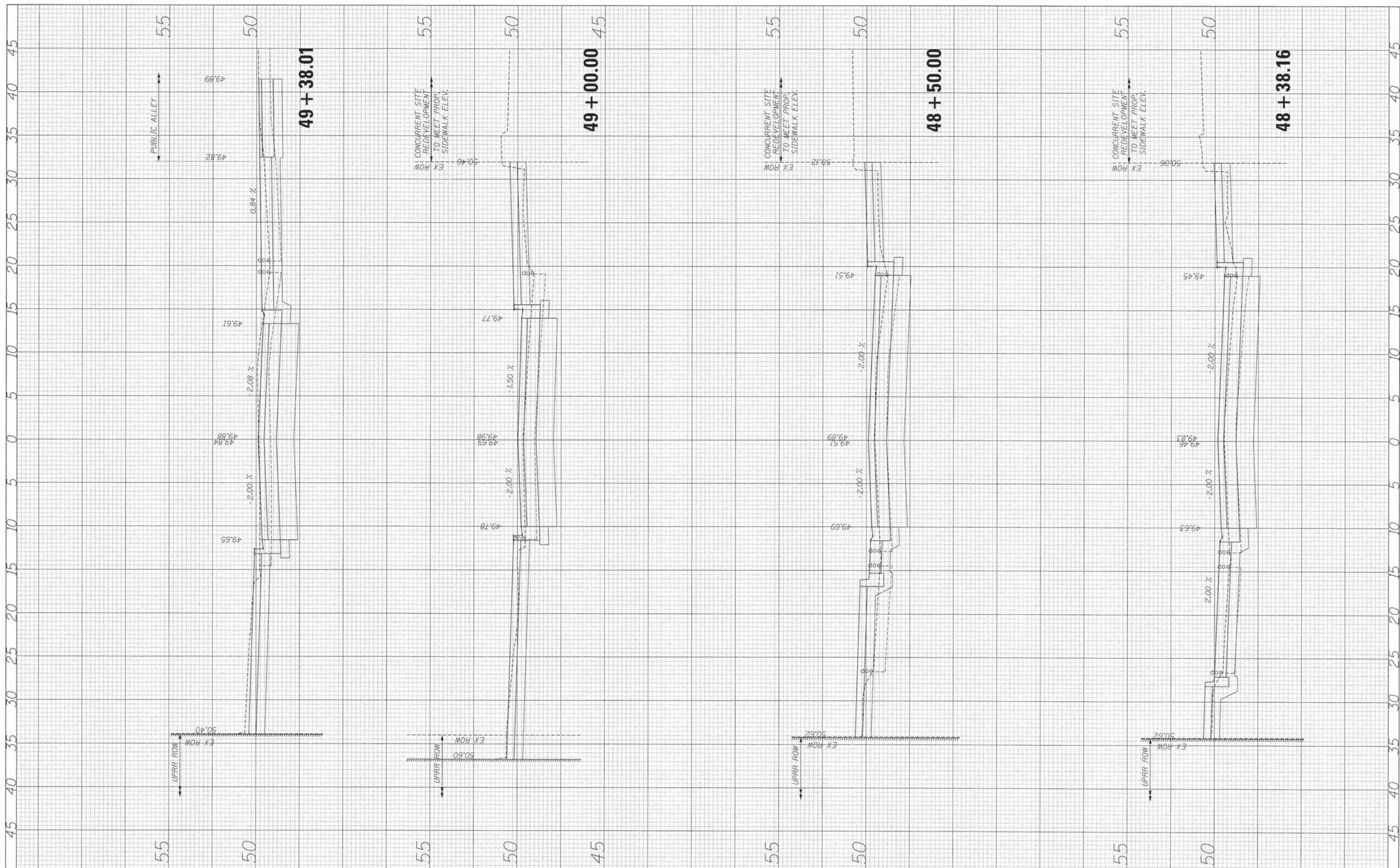
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 CROSS SECTIONS**

SHEET 3 OF 7 SHEETS STA. 47+25.95 TO STA. 48+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	103
CONTRACT NO. 61B99			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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PLOT SCALE = 4.9999" / 1"	DRAWN - BCB	REVISED -
PLOT DATE = 9/3/2015	CHECKED - DPA	REVISED -
	DATE - 9/3/2015	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
CROSS SECTIONS**

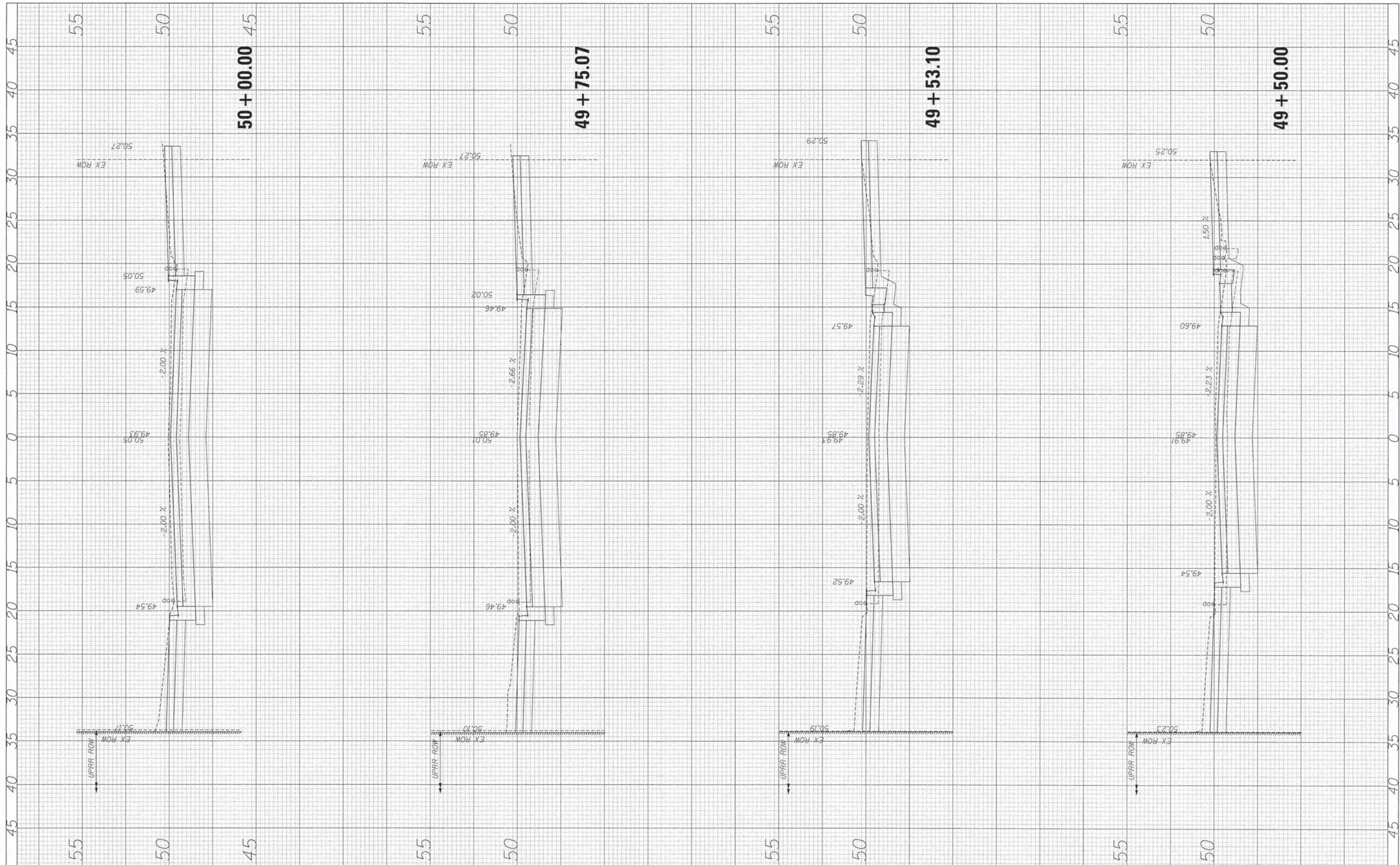
SHEET 4 OF 7 SHEETS STA. 48+38.16 TO STA. 49+38.01

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	104
				CONTRACT NO. 61B99
ILLINOIS FED. AID PROJECT				



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

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



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 XS.SHEET\_5

USER NAME = BernardB  
 DESIGNED - BCB  
 DRAWN - BCB  
 CHECKED - DPA  
 DATE - 9/3/2015

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

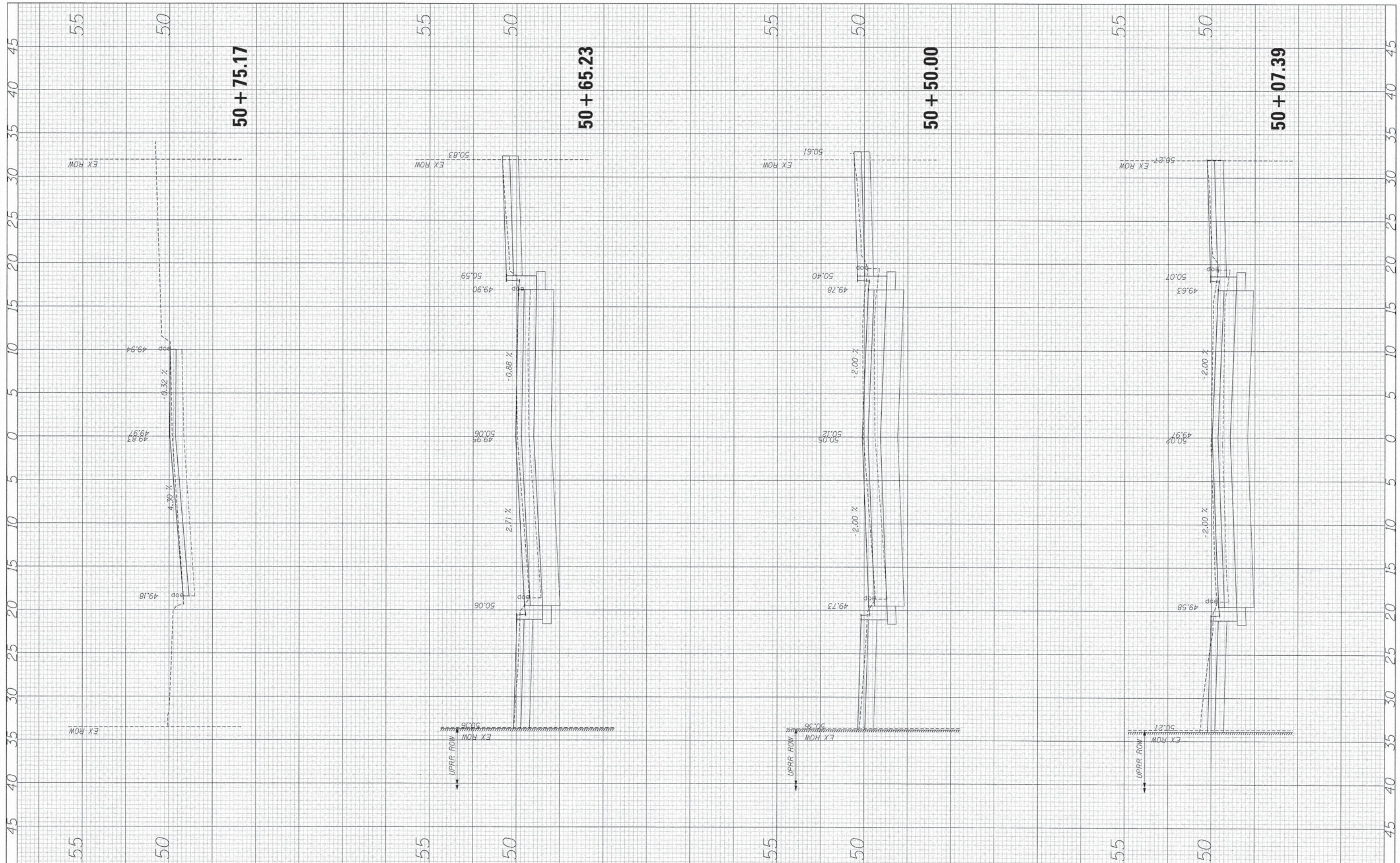
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 CROSS SECTIONS**

SHEET 5 OF 7 SHEETS STA. 49+50.00 TO STA. 50+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	105
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

FINISH SURVEY NO.	SURVEYED PLOTTED	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED	

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



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USER NAME = BernardB  
 DESIGNED - BCB  
 DRAWN - BCB  
 CHECKED - DPA  
 DATE - 9/3/2015

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

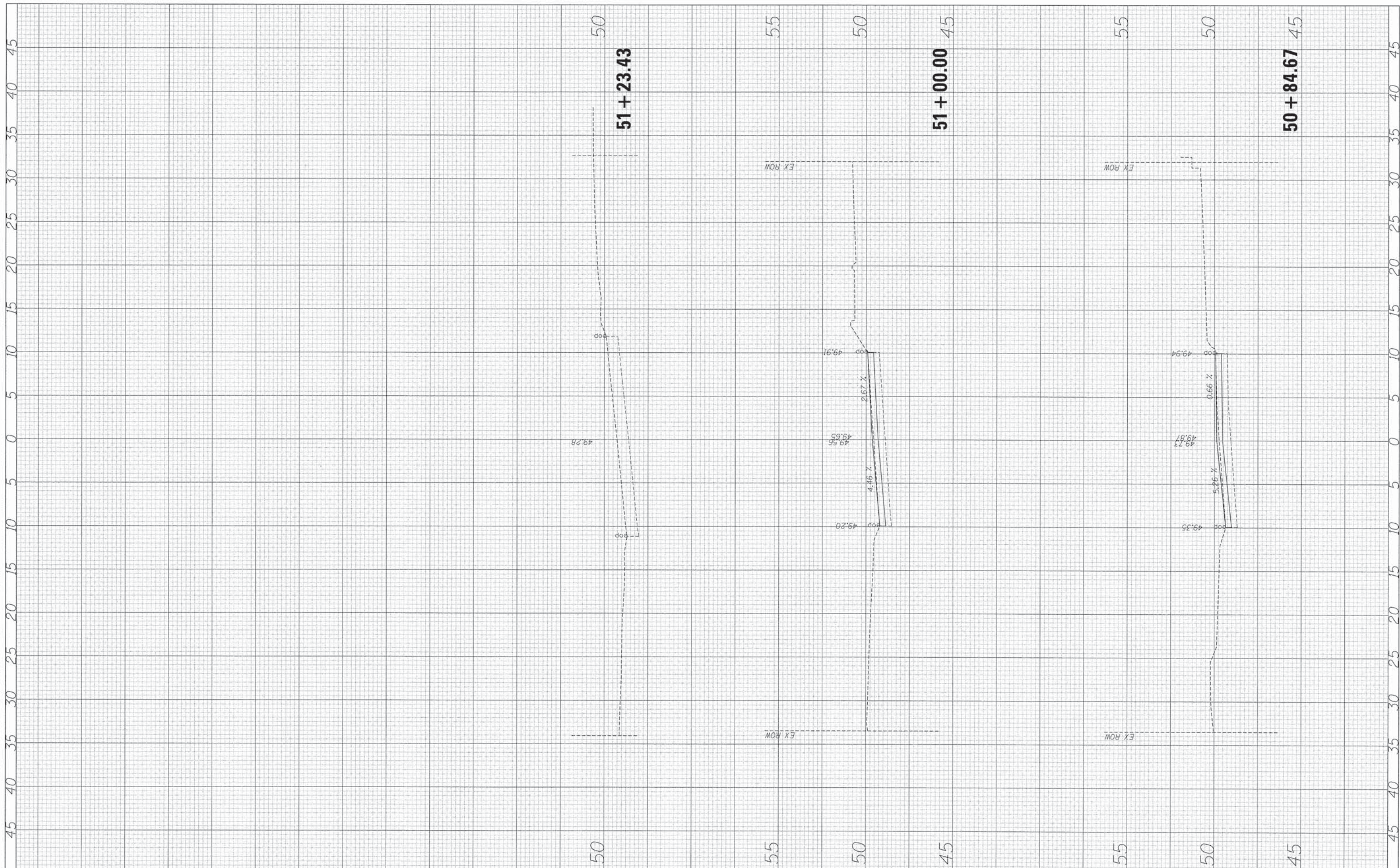
**VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
 CROSS SECTIONS**

SHEET 6 OF 7 SHEETS STA. 50+07.39 TO STA. 50+75.17

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	106
CONTRACT NO. 61B99				
ILLINOIS FED. AID PROJECT				

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

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



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PLOT DATE = 9/3/2015

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

VILLAGE OF OAK PARK - SOUTH BOULEVARD IMPROVEMENTS  
CROSS SECTIONS

SHEET 7 OF 7 SHEETS STA. 50+84.67 TO STA. 51+23.43

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00256-00-PV	COOK	107	107
CONTRACT NO. 61B99			ILLINOIS FED. AID PROJECT	