



CONSULTING ENGINEERS  
SITE DEVELOPMENT ENGINEERS  
LAND SURVEYORS

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LAKOTA



CHRISTOPHER B. BURKE

9575 West Higgins Road, Suite 600  
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(847) 823-0500

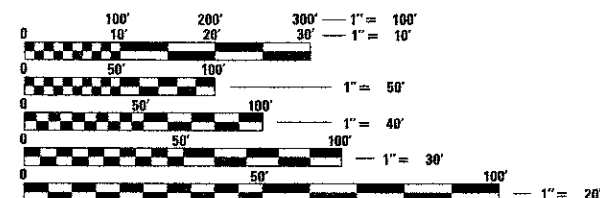
FOR INDEX OF SHEETS, SEE SHEET NO. 2  
LIST OF STATE STANDARDS LOCATED ON  
SHEET NO. 2

STREET	FUNCTIONAL CLASSIFICATION	AVERAGE DAILY TRAFFIC VPD (2011)	POSTED SPEED LIMIT (MPH)	DESIGN SPEED LIMIT
SUMMIT AVE	LOCAL STREET	300	25	25
S. PROSPECT AVE	LOCAL STREET	200	25	25

*James C. Kapustiak* 3-22-13  
DATE  
JAMES C. KAPUSTIAK, P.E.  
ILLINOIS REGISTRATION NO.: 062-054942  
EXPIRATION DATE: 11/30/2013  
PROFESSIONAL DESIGN FIRM NO.: 184-001157  
EXPIRATION DATE: 04/30/2015  
THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL, AND EXPIRATION DATE OF SEAL OF THE ENGINEER

*Anthony J. Dericco* 3-22-13  
DATE  
ANTHONY J. DERICCO, P.E.  
ILLINOIS REGISTRATION NO.: 062-057484  
EXPIRATION DATE: 11/30/2013  
PROFESSIONAL DESIGN FIRM NO.: 184-001175  
EXPIRATION DATE: 04/30/2015  
THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL, AND EXPIRATION DATE OF SEAL OF THE ENGINEER

APPLIES ONLY TO SHEETS 39 - 49



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

IMPROVEMENTS LOCATED WITHIN CITY OF  
PARK RIDGE, MAINE TOWNSHIP

CONTRACT NO. 63723

06-14-13 LETTING ITEM 037

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

SUMMIT AVENUE – PROSPECT AVENUE TO RIDGE TERRACE  
PROSPECT AVENUE – SUMMIT AVENUE TO NORTHWEST HIGHWAY

UPTOWN STREETSCAPE PHASE 4

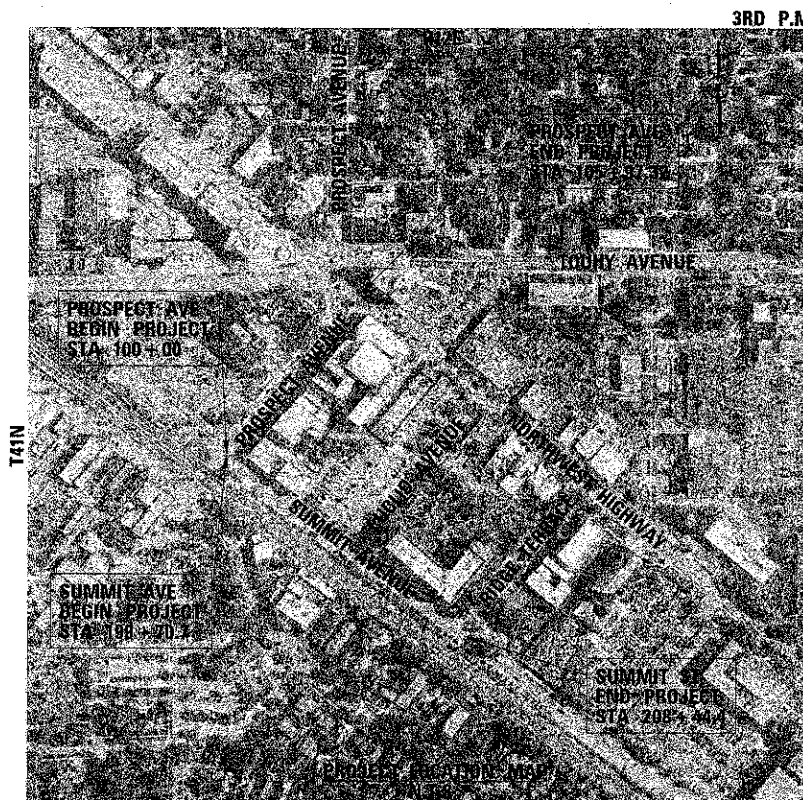
SECTION 10-00149-00-LS

PROJECT NO. TE-00D1(921)

JOB NO. C91-291-13

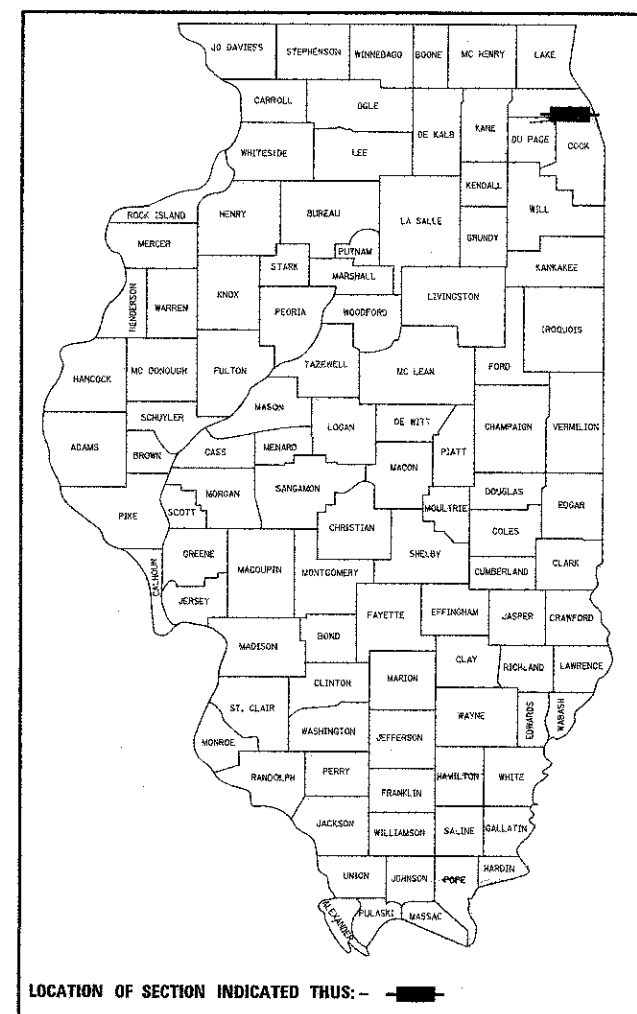
CITY OF PARK RIDGE

COOK COUNTY



GROSS LENGTH = 1471.02 FT. = 0.28 MILE  
NET LENGTH = 1471.02 FT. = 0.28 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00149-00-LS	COOK	69	1
		ILLINOIS		CONTRACT NO. 63723



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED 3-22 20 13  
*James C. Kapustiak*  
CITY ENGINEER, CITY OF PARK RIDGE

PASSED 4-4 20 13  
*Charles F. Riddle*  
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW April 4 20 13  
*John F. ...*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEM
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-01	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS FOR SIDEWALK
424016-01	MID-BLOCK CURB RAMP FOR SIDEWALK
424021-01	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
606001-05	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
701001-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701006-04	OFF-ROAD OPERATIONS, 2L, 2W, 15'-24" FROM EDGE OF PAVEMENT
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701427-01	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEED <45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-08	URBAN LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER CROSSWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
720016-03	MAST ARM MOUNTED STREET NAME SIGNS
780001-03	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATION
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS
BLR 14-10	PORTLAND CEMENT CONCRETE PAVEMENT (NONREINFORCED)

DISTRICT 1 STANDARD DETAILS

BD400-04 (BD-22)	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD400-05 (BD-32)	BUTT JOINT AND HMA TAPER DETAILS
BD400-06 (BD-33)	HMA TAPER AT EDGE OF P.C.C. PAVEMENT
BD600-03 (BD-8)	DETAIL FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-FLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	DISTRICT ONE TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DISTRICT ONE DETECTOR LOOP INSTALATON DETAIL FOR ROADWAY RESURFACING

GENERAL NOTES, SPECIFICATIONS, AND SPECIAL PROVISIONS

1. THE LOCATION OF DRAINAGE STRUCTURES, STORM SEWERS, WATERMAINS, 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.
2. 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.
3. 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.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC. THIS WORK SHALL BE INCLUDED IN THE L.SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
5. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL EXISTING UTILITIES AND STRUCTURES AS NECESSARY TO THE FINAL PROPOSED SURFACE PROFILE GRADES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH CITY DEPARTMENTS AND UTILITY OWNERS.
6. CONTRACTOR IS RESPONSIBLE FOR REMOVAL, STORAGE, AND RE-INSTALLATION OF ALL EXISTING SIGNAGE, MAIL/ UPS BOXES, STREET SIGNS, AND OTHER ITEMS THAT ARE IMPACTED BY THIS CONTRACT AND ARE NOT SHOWN AS BEING REPLACED. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY OF THESE ITEMS THAT ARE DAMAGED AS A RESULT OF THIS CONTRACT FOR NO ADDITIONAL COST. THE REMOVAL AND RE-INSTALLATION OF THESE ITEMS IS NOT QUANTIFIED SEPARATELY AND ARE INCLUDED IN THE COST OF MOBILIZATION.
7. THE CONTRACTOR SHALL MAINTAIN SURFACE DRAINAGE OF THE ROAD DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL NOTIFY JULIE AND NON-JULIE 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.
9. CARE MUST BE TAKEN FOR ANY EARTH EXCAVATION NEAR EXISTING TREES SO THAT DAMAGE TO THE TREE ROOTS DOES NOT OCCUR.
10. WHEN CONCRETE REMOVAL IS REQUIRED, IT MUST BE ACCOMPLISHED BY SAWCUT, SLEDGES, AND PNEUMATIC HAND TOOLS. EQUIPMENT AND METHODS USED MUST BE SUCH AS TO PREVENT CRACKING, SHATTERING OR SPALLING OF CONCRETE THAT IS TO REMAIN.
11. 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. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS WALK
12. IF THE CONTRACTOR CAUSES DEBRIS TO ENTER THE EXISTING SEWERS, THAT ENTIRE SECTION OF SEWER BETWEEN MANHOLES MUST AT ONCE BE THOROUGHLY CLEANED AND RODDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. ALL SEWER AND WATER STRUCTURES SO CONTAMINATED MUST AT ONCE BE THOROUGHLY CLEANED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.
13. ALL HMA PAVEMENT SURFACE COURSES, CONCRETE BASE COURSES, CONCRETE PAVEMENTS, CURBS, CUTTERS AND SIDEWALKS WHICH ARE TO BE REMOVED MUST BE SAW CUT AT THE LIMITS OF REMOVAL. SAW CUTTING SHALL BE INCLUDED IN THE COST OF THE REMOVAL PAY ITEM FOR WHICH THE SAW CUTTING IS BEING PROVIDED.
14. CONTRACTOR MUST SAWCUT AND HAND BREAK FOR SIDEWALK REMOVAL AT THE R.O.W. BUILDING LINE TO AVOID DAMAGE TO ADJACENT PROPERTIES.
15. WHEN PLACING CONCRETE ADJACENT TO PRIVATE PROPERTY, THE CONTRACTOR MUST PROTECT PROPERTY (VISQUEEN, ETC.) TO AVOID CONCRETE SPLATTER AND/OR DAMAGE.

16. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
17. THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESS SHOULD BE CONSIDERED THE MINIMUM THICKNESS CONSIDERED.
18. DETECTABLE WARNINGS FOR THE HANDICAPPED SHALL BE INSTALLED AT ALL INTERSECTING STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS, AND SIGNALIZED ALLEYS AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL VERIFY THAT ALL SLOPES MEET ADA REQUIREMENTS PRIOR TO INSTALLING SIDEWALK DETECTABLE WARNINGS AND ADJACENT CURB AND GUTTER.
19. PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
20. PROPOSED CONCRETE CURB AND GUTTER SHALL BE TRANSITIONED TO EXISTING CURB AND GUTTER OVER A LENGTH OF 6 FEET. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12 (MODIFIED).
21. THE CONTRACTOR SHALL CONTACT THE 100T ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK FOR LOCATIONS OF UNDERGROUND TRAFFIC SIGNAL LINES, LIGHTING CABLE, OR INTERCONNECT CABLE CALL (847) 221-3078 TO LOCATE UNDERGROUND LIGHTING CABLE.
22. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD R.O.W. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR CN-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.5.
23. THE CONTRACTOR SHALL ADVISE THE POLICE AND FIRE DEPARTMENTS DAILY AS TO WHAT STREETS, IF ANY, ARE TO BE CLOSED OR PARTIALLY BLOCKED SO THAT THEY CAN EFFICIENTLY ROUTE THEIR EMERGENCY VEHICLES.

CITY OF PARK RIDGE	POLICE DEPARTMENT TELEPHONE NO.	FIRE DEPARTMENT TELEPHONE NO.
847-318-5200	847-318-5252	847-318-5283

24. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER AT 847-705-4413 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.
25. ELEVATIONS ARE BASED ON CITY OF PARK RIDGE DATUM. CITY OF PARK RIDGE DATUM IS ON THE USGS/NOAA DATUM.
26. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING PARKING STALL ACCESS WITHIN THE COMMUTER PARKING LOT.

INDICATES NOTE CONTAINS PAY ITEM INFORMATION

FILE NAME = 3737_16GN0LDGN	USER NAME = bkravets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -								10-00149-00-LS	COOK	69	2
		PLOT SCALE = 1/4"	CHECKED - JCK										CONTRACT NO. 63723	
		PLOT DATE = 4/8/2013	DATE -										ILLINOIS FED. AID PROJECT	

* SP Special Provision    x SI Speciality Item													
SI	SP	PAY	PAY ITEM DESCRIPTION	UNIT	TOTAL	ITEP				NON-			
		ITEM				TRAINEES 80/20 (%) 0042	LANDSCAPING 80/20 (%) 0031	LIGHTING 80/20 (%) 0031	LIGHTING 50/50 (%) 0031	PARTICIPATING			
		CODE								ROADWAY 100% 0004			
					QUANTITY								
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	116		116						
		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	48		48						
		20101000	TEMPORARY FENCE	FOOT	221		221						
		20200100	EARTH EXCAVATION	CU YD	1145		633					512	
		20800150	TRENCH BACKFILL	CU YD	50		50						
X		21101885	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	202		202						
X		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1			1					
X		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1			1					
X		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1			1					
X		25200110	SODDING, SALT TOLERANT	SQ YD	150			100				50	
X		25200200	SUPPLEMENTAL WATERING	UNIT	6			6					
		28000400	PERIMETER EROSION BARRIER	FOOT	819		819						
		28000510	INLET FILTERS	EACH	27		27						
		28200200	FILTER FABRIC	SQ YD	1720		1668					52	
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	60		13	47					
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	2649		2397					252	
		35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	1913							1913	
		40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	623							623	
		40600300	AGGREGATE (PRIME COAT)	TON	2							2	
		40600895	CONSTRUCTING TEST STRIP	EACH	1							1	
		40600962	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	64							64	
		40600990	TEMPORARY RAMP	SQ YD	114							114	
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	183							183	
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	884							884	
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	18		18						
		42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	545		120	425					
		42400800	DETECTABLE WARNINGS	SQ FT	100		50	50					

* SP Special Provision    x SI Speciality Item													
SI	SP	PAY	PAY ITEM DESCRIPTION	UNIT	TOTAL	ITEP				NON-			
		ITEM				TRAINEES	LANDSCAPING	LIGHTING	LIGHTING	PARTICIPATING			
		CODE			QUANTITY	80/20 (%) 0042	80/20 (%) 0031	80/20 (%) 0031	50/50 (%) 0031	100% 0004			
		44000100	PAVEMENT REMOVAL	SQ YD	2016					2016			
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	6811					6811			
		44000300	CURB REMOVAL	FOOT	252		252						
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2087		2087						
		44000600	SIDEWALK REMOVAL	SQ FT	9811		7649	425		1737			
		44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	150			150					
		44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	6747					6747			
X		56500200	DOMESTIC WATER SERVICE BOXES TO BE MOVED	EACH	3		3						
X	*	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	4		4						
X		60266600	VALVE BOXES TO BE ADJUSTED	EACH	12		12						
		60500205	FILLING CATCH BASINS	EACH	1			1					
	*	80604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	2509		2509						
X		86900200	NON-SPECIAL WASTE DISPOSAL	CU YD	66		66						
X		86900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1		1						
X		66900530	SOIL DISPOSAL ANALYSIS	EACH	1		1						
		67100100	MOBILIZATION	L SUM	1		1						
X		72000100	SIGN PANEL - TYPE 1	SQ FT	4		4						
X		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	84.75		80.75			4			
X		72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	84.75		80.75			4			
X		73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	17		17						
X		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	300					300			
X		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5100					5100			
X		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	490					490			
X		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	276					276			
X		78000850	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	100					100			
X	*	80400100	ELECTRIC SERVICE INSTALATION	EACH	1			1					
X	*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1			1					

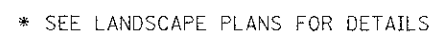
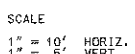
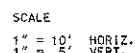
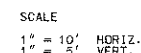
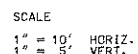
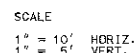
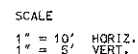
* SP Special Provision    x SI Specialty Item										
SI	SP	PAY	PAY ITEM DESCRIPTION	UNIT	TOTAL	ITEP				NON-
		ITEM				TRAINEES 80/20 (%)	LANDSCAPING 80/20 (%)	LIGHTING 80/20 (%)	LIGHTING 50/50 (%)	ROADWAY
X		81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA	FOOT	50			50		
X		81028260	UNDERGROUND CONDUIT, GALVANIZED STEEL, 6" DIA	FOOT	90			90		
X		81028710	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3/4" DIA	FOOT	235			235		
X		81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4"DIA	FOOT	980			980		
X		81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2"DIA	FOOT	1050			1050		
X		81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2"DIA	FOOT	265			265		
X		81028760	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2"DIA	FOOT	1220			1220		
X		81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO.10	FOOT	1090			1090		
X		81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO.6	FOOT	28270			28270		
X		81702200	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C, 250MCM	FOOT	230			230		
X		82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 200AMP	EACH	1			1		
X		83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	72				72	
X		84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1				1	
X		84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1				1	
X	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	368					368
X	*	89502380	REMOVE EXISTING HANDHOLE	EACH	6			6		
	*	Z0003850	BENCHES	EACH	1					1
		Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1			
	*	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	24		24			
	*	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	20					20
	*	Z0036900	PARKING METERS TO BE REMOVED	EACH	12		12			
	*	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L.SUM	1		1			
	*	Z0049600	REFUSE CONTAINER TOP AND BASE	EACH	2					2
X	*	Z0051500	REMOVING AND RESETTNG STREET SIGN	EACH	45		45			
	*	Z0075498	CONCRETE RETAINING WALL REMOVAL	CU YD	13		13			
	*	Z0076600	TRAINEES	HOOR	500	500				

* SP Special Provision    x SI Specialty Item										
SI	SP	PAY	PAY ITEM DESCRIPTION	UNIT	TOTAL	ITEP				NON-PARTICIPATING
		QUANTITY			TRAINEES	LANDSCAPING	LIGHTING	LIGHTING	ROADWAY	
					80/20 (%) 0042	80/20 (%) 0031	80/20 (%) 0031	50/50 (%) 0031	100% 0004	
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	500	500				
X		K0005200	ANNUAL PLANTS, BEGONIA, 1 QUART	UNIT	1		1			
X		K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	3.89		3.89			
X	*	K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1		1			
X	*	K1005481	SHREDED BARK MULCH, 3"	SQ YD	97		97			
X	*	X0300635	PLANTER	EACH	25		25			
	*	X0301339	REMOVE EXISTING PARKING BLOCKS	EACH	79		79			
	*	X0301430	PRECAST CONCRETE PARKING BLOCK	EACH	45		45			
	*	X0321158	PARK BENCHES	EACH	7					7
X	*	X0323117	LANDSCAPING GRAVEL	SQ YD	34		34			
X	*	X0323443	PRECAST MODULAR RETAINING WALL	SQ FT	725		725			
X	*	X0323648	LIMESTONE MASONRY VENEER	SQ FT	88		88			
	*	X0324058	OUTLET SPECIAL	EACH	12			12		
X	*	X0324788	GRANITE PAVERS	SQ FT	166		139			27
X	*	X0324994	ORNAMENTAL PLANTER	L SUM	1		1			
	*	X0325942	CONCRETE LANDING SLAB	SQ FT	6761		6321			440
X	*	X0326498	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	10		10			
X	*	X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	10			10		
X	*	X0326817	STANDARD BRICK VENEER	SQ FT	100		100			
	*	X0326864	BRICK SIDEWALK REMOVAL	SQ FT	6228		5719			509
X	*	X0326961	ENGINEERED SOIL FURNISH AND PLACE (SPECIAL)	CU YD	135		135			
	*	X0327146	RELOCATE BIKE RACK	EACH	2		2			
	*	X0327149	RELOCATE BENCH	EACH	3		3			
X	*	X0539800	TREE GRATES	EACH	12		12			
X	*	X0540000	BRICK PAVERS	SQ FT	2260		2260			
	*	X0795800	COARSE AGGREGATE	TON	2		2			

* SP Special Provision    x SI Specialty Item										
SI	SP	PAY	PAY ITEM DESCRIPTION	UNIT	TOTAL	ITEP				NON-
		ITEM				TRAINEEES	LANDSCAPING	LIGHTING	LIGHTING	PARTICIPATING
					QUANTITY					
	*	X2080250	TRENCH BACKFILL, SPECIAL	CU YD	64			64		
X	*	X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	3			3		
	*	X4200408	PORTLAND CEMENT CONCRETE PAVEMENT 8 ", SPECIAL	SQ YD	215					215
	*	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	9953			8122		1831
	*	X8300230	STEEL POSTS	EACH	19			19		
	*	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L.SUM	1			1		
X	*	X7240500	RELOCATE EXISTING SIGNS	EACH	1			1		
X	*	X8140105	HANDHOLE (SPECIAL)	EACH	17				17	
X	*	X8140210	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	1				1	
X	*	X8140230	HANDHOLE.COMPOSITE CONCRETE (SPECIAL)	EACH	4				4	
X	*	X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	9					9
X	*	X8360110	LIGHT POLE FOUNDATION, SPECIAL	FOOT	60				60	
X		A2000118	TREE, ACER X FREEMANH AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	4			4		
X		A2004424	TREE, GINKGO BILOBA (GINKGO), 3" CALIPER, BALLED AND BURLAPPED	EACH	2			2		
X		A2018620	TREE, ULMUS CARPINIFOLIA MORTON (ACCOLADE ELM HYBRID) 3" CALIPER, BALLED AND BURLAPPED	EACH	4			4		
X		B2005524	TREE, PYRUS CALLERYANA ARISTOCRAT ( ARISTOCRAT CALLERY PEAR), 3" CALIPER, TREE FORM,BALLED AND BURLAPPED	EACH	11			11		
X		C2C078G3	SHRUB, ROSA X KNOCK OUT (KNOCK OUT ROSE) CONTAINER GROWN, 3-GALLON	EACH	12			12		
X		C2C01024	SHRUB, BUXUS MICROPHYLLA WINTERGREEN (WINTERGREEN LITTLELEAF BOXWOOD) 2' HEIGHT, CONTAINER	EACH	126			126		
X		C2C10218	SHRUB, SPIREA JAPONICA LITTLE PRINCESS (LITTLE PRINCESS JAPANESE SPIREA)18" HEIGHT, CONTAINER	EACH	34			34		
X	*	E1054000	WILDFLOWER, SPECIAL	UNIT	17			17		
X	*	LR430050	CONCRETE PAVER SIDEWALK	SQ YD	433			384		49
	*	XX002948	TEMPORARY ACCESS WALK	EACH	10			10		
X	*	XX004101	ORNAMENTAL METAL FENCE	FOOT	366			366		

* SP Special Provision    x SI Specialty Item										
SI	SP	PAY	PAY ITEM DESCRIPTION	UNIT	TOTAL	ITEP				NON-
		ITEM				TRAINEES 80/20 (%)	LANDSCAPING 80/20 (%)	LIGHTING 80/20 (%)	LIGHTING 50/50 (%)	ROADWAY 100%
					QUANTITY					
	*	XX005735	PLANTER CURB	FOOT	407		407			
	*	XX006736	PLANTER FENCE (SPECIAL)	FOOT	407		407			
	*	XX007215	CONCRETE PLANTER WALL	CU YD	15		15			
	*	XX007877	BICYCLE RACKS - FURNISH	EACH	7		7			
X	*	XX008662	REMOVE EXISTING LIGHT POLE	EACH	12		12			



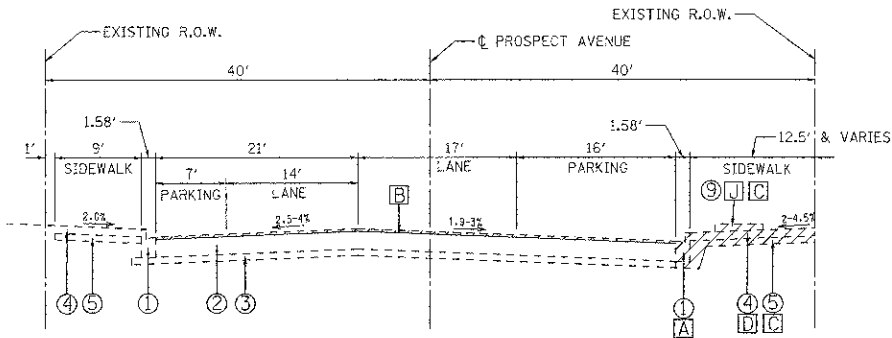


FILE NAME = 3737_16TS01.DGN	USER NAME = bkrevets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS SUMMIT AVENUE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				10-00149-00-LS	COOK	69	6
	PLOT SCALE = 1/10	CHECKED - JCK	REVISED -			CONTRACT NO. 63723				
	PLOT DATE = 4/8/2013	DATE -	REVISED -			SCALE:	SHEET 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS

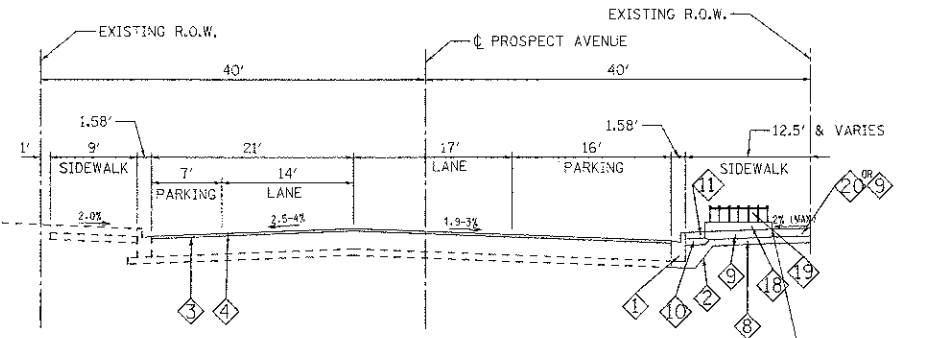
MIXTURE TYPE	PERCENT AIR Voids @ N <sub>max</sub>	LIFT THICKNESS
PAVEMENT RESURFACING HMA SURFACE COURSE MIX "D" N50, (IL9.5 MM)	4% @ 50 GYR	2"
SUMMIT AVE. PARKING HMA SURFACE COURSE MIX "D" N50, (IL9.5 MM) HMA BINDER COURSE, IL 19.0MM, N50	4% @ 50 GYR 4% @ 50 GYR	1 1/2" 2 1/4"
TEMPORARY RAMP HMA BINDER COURSE, IL 19.0MM, N50	4% @ 50 GYR	2" (MAX)

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.  
THE "AC TYPE SHALL "PG64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISION.  
FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



**EXISTING TYPICAL SECTION  
PROSPECT AVENUE  
STA 100+68.42 TO STA 104+31.72**

SCALE  
1" = 10' HORIZ.  
1" = 5' VERT.



**PROPOSED TYPICAL SECTION  
PROSPECT AVENUE  
STA 100+68.42 TO STA 104+31.72**

SCALE  
1" = 10' HORIZ.  
1" = 5' VERT.

**EXISTING ITEMS**

- ① EXISTING CONCRETE CURB AND GUTTER, TYPE B6.12
- ② EXISTING ASPHALT PAVEMENT
- ③ EXISTING SUB-BASE GRANULAR MATERIAL
- ④ EXISTING P.C.C. SIDEWALK (+/-5")
- ⑤ EXISTING SIDEWALK SUB-BASE GRANULAR MATERIAL
- ⑥ EXISTING CONCRETE RETAINING WALL
- ⑨ EXISTING PLANTER

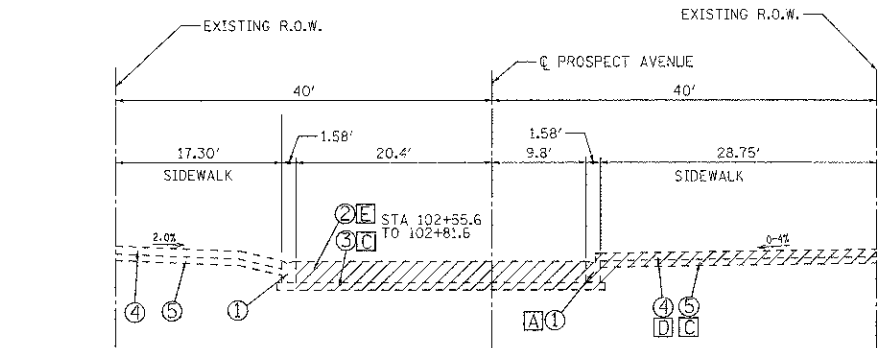
**REMOVAL PAY ITEMS** (PAY ITEM #)

- A COMBINATION CURB AND GUTTER REMOVAL (44000500)
- B HOT MIX ASPHALT (HMA) SURFACE REMOVAL (2") (44000157)
- C EXCAVATION - SUB-BASE/PLANTER REMOVAL (20200100)
- D SIDEWALK REMOVAL (44000600)
- E PAVEMENT REMOVAL (44000100)
- I CONCRETE RETAINING WALL REMOVAL (Z0075498)
- J CURB REMOVAL (44000300)

**PROPOSED ITEMS** (PAY ITEM #)

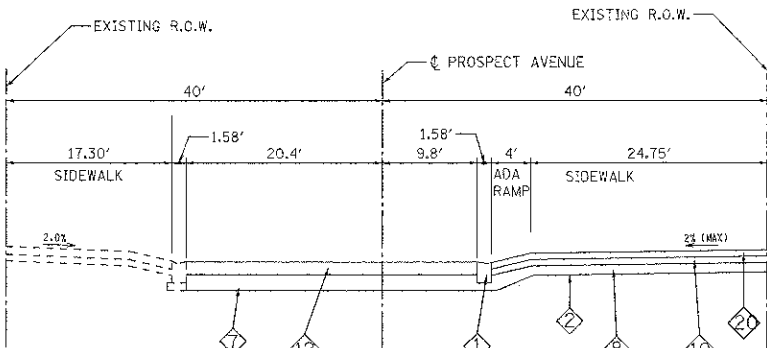
- ① COMBINATION CONCRETE CURB AND GUTTER B6.12 MODIFIED, (60604100)
- \* ② FILTER FABRIC (28200200)
- ③ PRIME COAT, (40600100,40600300)
- ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50-2", (40603335)
- ⑦ AGGREGATE BASE COURSE, TYPE B, 10" (35102200)
- \* ⑧ AGGREGATE BASE COURSE, TYPE B, 6" (35101800)
- \* ⑨ PCC SIDEWALK 5", SPECIAL, (X4240430)
- \* ⑩ REINFORCED CONCRETE SLAB, 4" (X0325942)
- \* ⑪ BRICK PAVER (X054000)
- \* ⑫ PCC PAVEMENT 8", SPECIAL (X4200408)
- \* ⑬ TREE GRATE WITH CONCRETE BANDING (X0539800)
- \* ⑭ PLANTER CURB (XX005735)
- \* ⑮ PLANTER FENCE, SPECIAL (XX006736)
- \* ⑯ CONCRETE PAVER SIDEWALK (LR4300050)
- \* ⑰ CONCRETE PLANTER WALL WITH BRICK VENEER
- \* ⑱ TOP SOIL FURNISH AND PLACE, 24" (21101685)

\* SEE LANDSCAPE PLANS FOR DETAILS



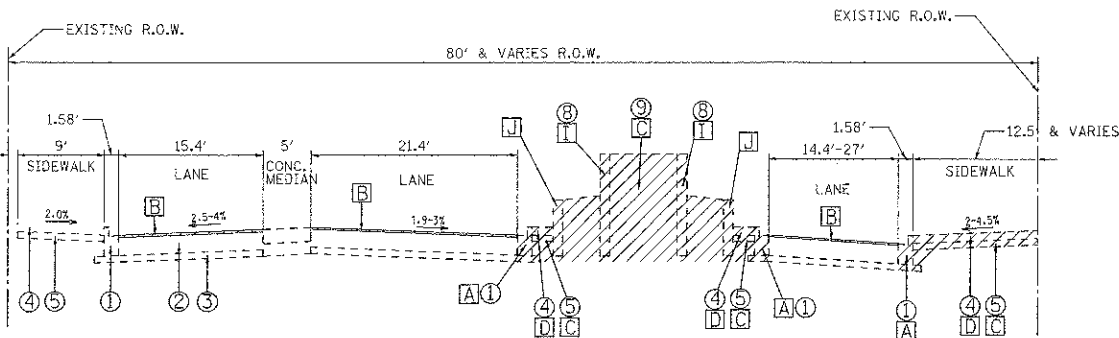
**EXISTING TYPICAL SECTION  
PROSPECT AVENUE  
STA 102+49.10 TO STA 102+88**

SCALE  
1" = 10' HORIZ.  
1" = 5' VERT.



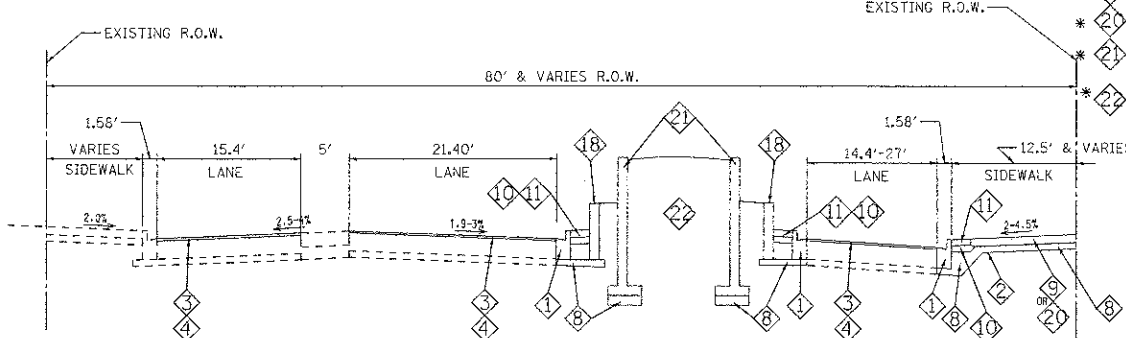
**PROPOSED TYPICAL SECTION  
PROSPECT AVENUE  
STA 102+49.10 TO STA 102+88**

SCALE  
1" = 10' HORIZ.  
1" = 5' VERT.



**EXISTING TYPICAL SECTION  
PROSPECT AVENUE  
STA 105+18.3 TO STA 105+73**

SCALE  
1" = 10' HORIZ.  
1" = 5' VERT.



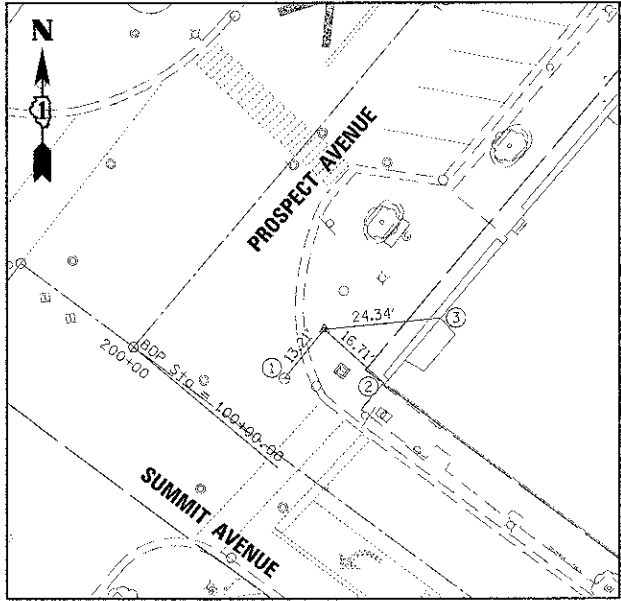
**PROPOSED TYPICAL SECTION  
PROSPECT AVENUE  
STA 105+18.3 TO STA 105+73**

SCALE  
1" = 10' HORIZ.  
1" = 5' VERT.





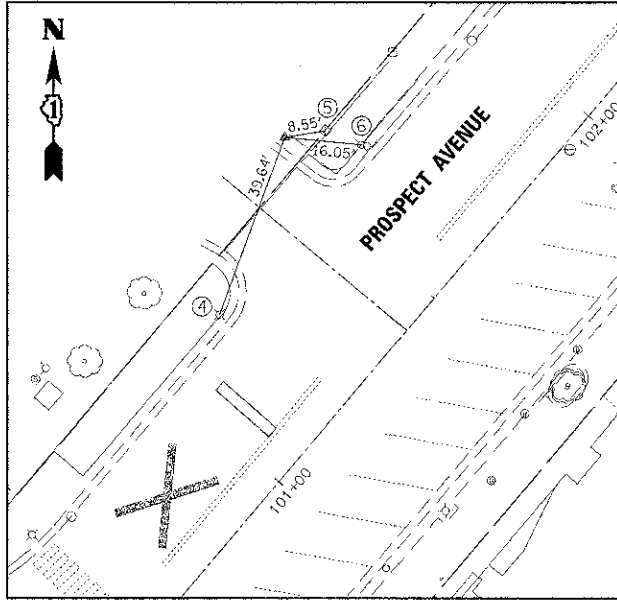




**CONTROL POINT #1922**  
STA 100+28.35, 27.97' RT

CONTROL POINT #1922 IS AN "X" CUT IN WALK ON N.E. CORNER OF SUMMIT AVE. AND PROSPECT AVE.

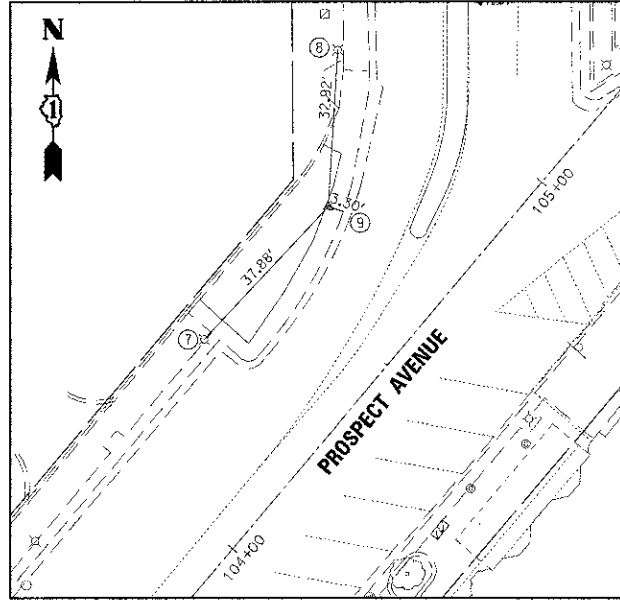
1. CENTER OF VAULT
2. CORNER OF SIDEWALK
3. CORNER OF BUILDING



**CONTROL POINT #2120**  
STA 101+55.92, 45.60' LT

CONTROL POINT #2120 IS AN "X" CUT IN WALK

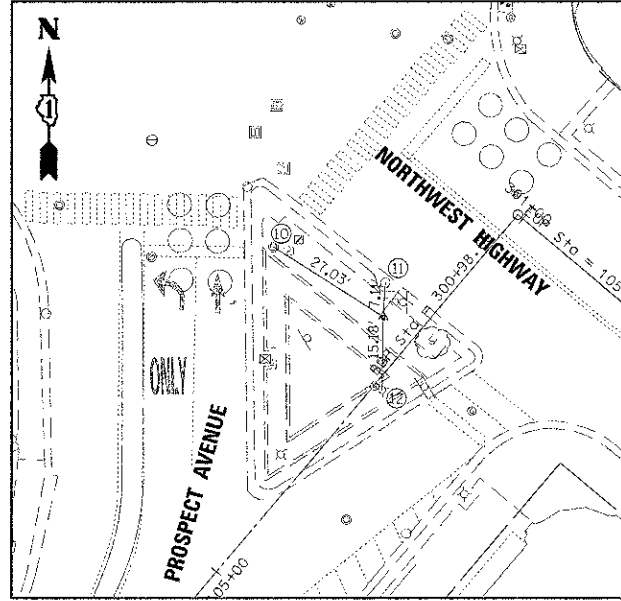
4. CENTER OF LIGHT POLE
5. CENTER OF HANDHOLE
6. CENTER OF LIGHT POLE



**CONTROL POINT #3077**  
STA 100+67.51, 30.77' LT

CONTROL POINT #3077 IS AN "X" CUT IN WALK

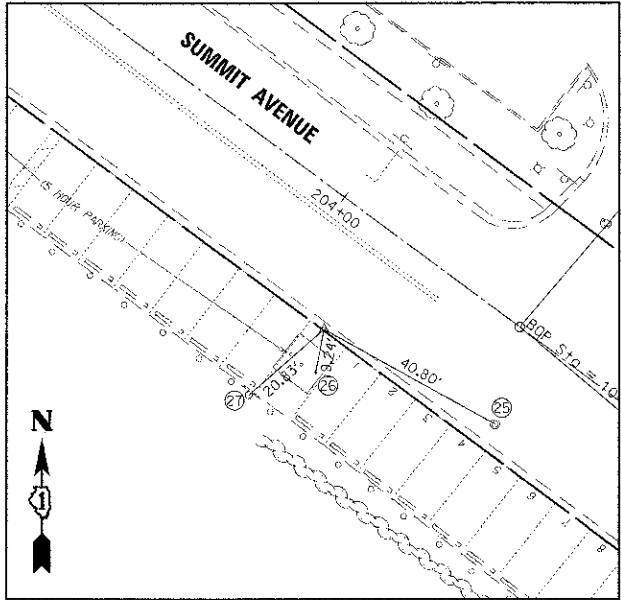
7. CENTER OF LIGHT POLE
8. CENTER OF LIGHT POLE
9. BACK OF CURB AT RIGHT ANGLE



**CONTROL POINT #1475**  
STA 105+63.00, 7.77' LT

CONTROL POINT #1475 IS AN "X" CUT IN WALK ON S.E. CORNER OF NORTHWEST HWY. AND PROSPECT AVE.

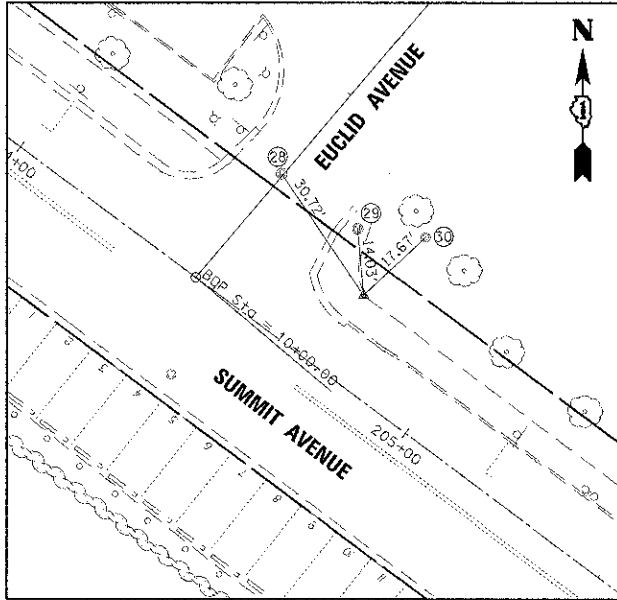
10. CENTER OF TRAFFIC SIGNAL
11. CENTER OF CATCH BASIN
12. CENTER OF FIRE HYDRANT



**CONTROL POINT #1476**  
STA 204+13.16, 24.74' RT

CONTROL POINT #1476 IS AN "X" CUT IN CURB

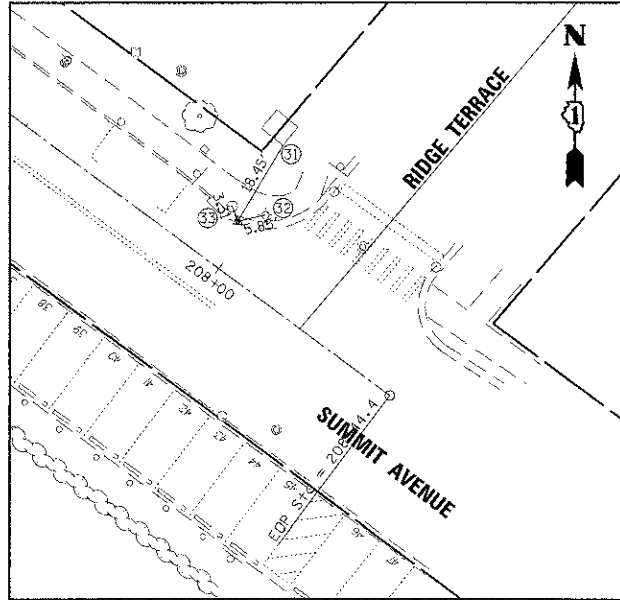
25. CENTER OF MANHOLE
26. CENTER OF WOOD POST
27. CENTER OF PARKING SIGN



**CONTROL POINT #145**  
STA 204+75.85, 17.91' LT

CONTROL POINT #145 IS AN "X" CUT IN WALK AT N.E. CORNER OF SUMMIT AVE. AND EUCLID AVE.

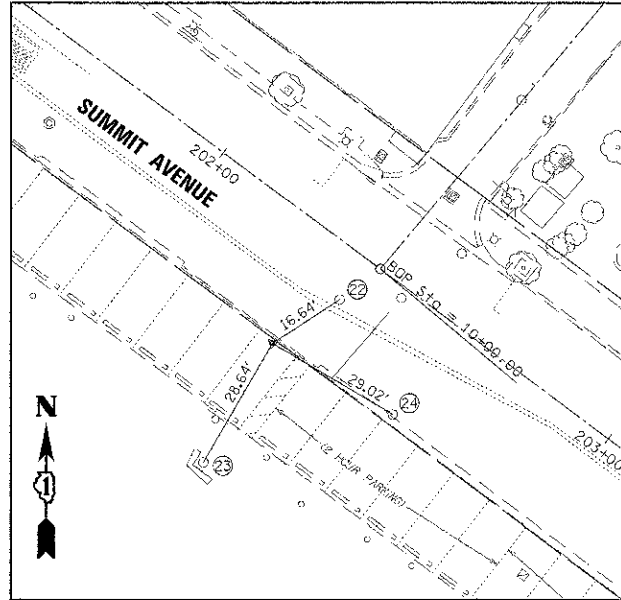
28. CENTER OF MANHOLE
29. CENTER OF MANHOLE
30. CENTER OF MANHOLE



**CONTROL POINT #1463**  
STA 207+97.19, 10.31' LT

CONTROL POINT #1463 IS AN "X" CUT IN CURB AT N.W. CORNER OF SUMMIT AVE. AND RIDGE TERRACE

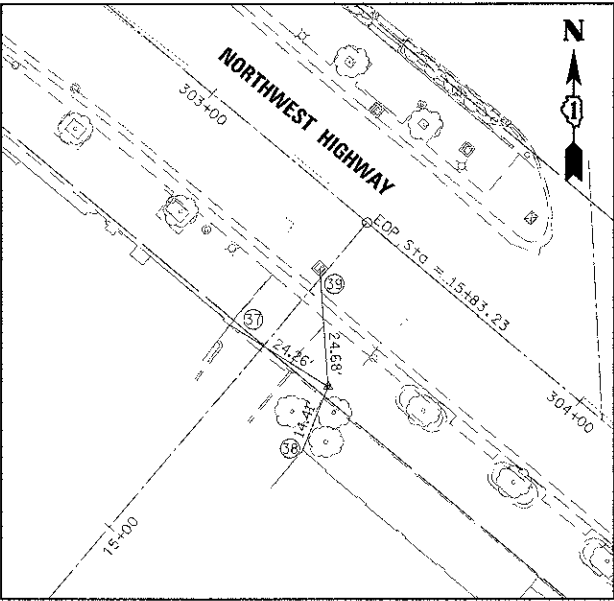
31. BASE OF TRANSFORMER AT CORNER
32. CENTER OF LIGHT POLE
33. CENTER OF MANHOLE



**CONTROL POINT #1158**  
STA 202+32.08, 25.87' RT

CONTROL POINT #1158 IS A PK NAIL IN ASPHALT

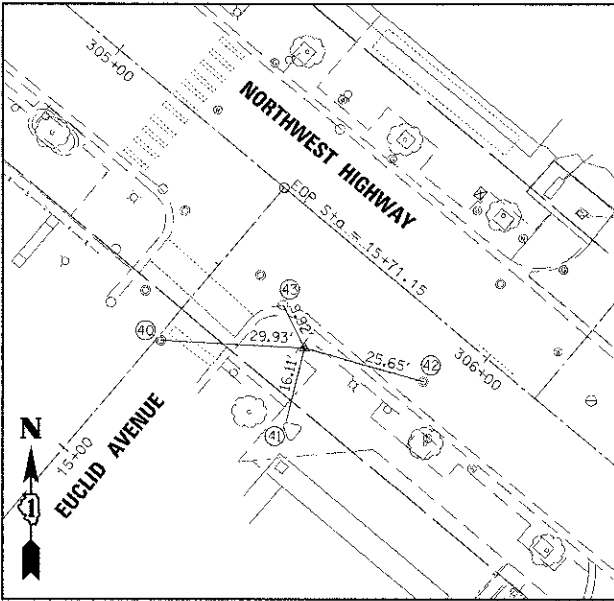
22. CENTER OF MANHOLE
23. CENTER OF CATCH BASIN
24. CENTER OF CATCH BASIN



**CONTROL POINT #614**  
STA 303+57.81, 31.35' RT

CONTROL POINT #614 IS A "X" CUT IN WALK

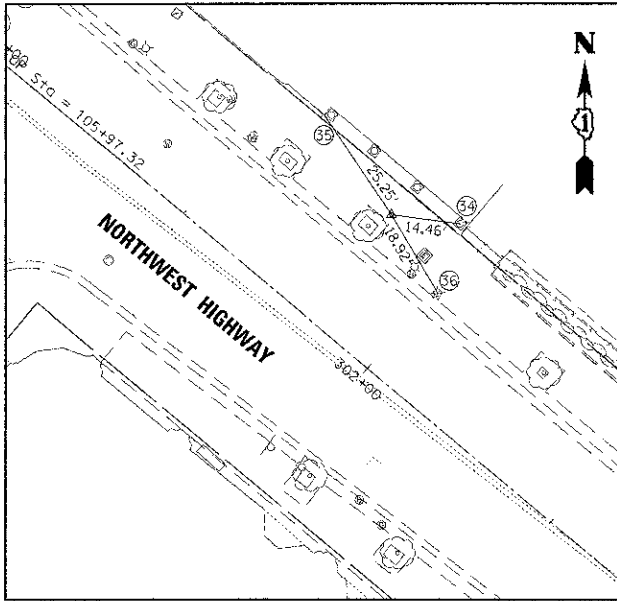
- 37. BASE OF BUILDING AT CORNER
- 38. BASE OF BUILDING AT CORNER
- 39. CENTER OF MANHOLE



**CONTROL POINT #1455**  
STA 305+69.55, 22.78' RT

CONTROL POINT #1455 IS A "X" CUT IN WALK ON S.E. CORNER OF NORTHWEST HWY. AND EUCLID AVE.

- 40. CENTER OF MANHOLE
- 41. BASE OF BRICK MONUMENT AT CORNER
- 42. CENTER OF MANHOLE
- 43. CENTER OF CATCH BASIN



**CONTROL POINT #18**  
STA 301+83.23, 27.64' LT

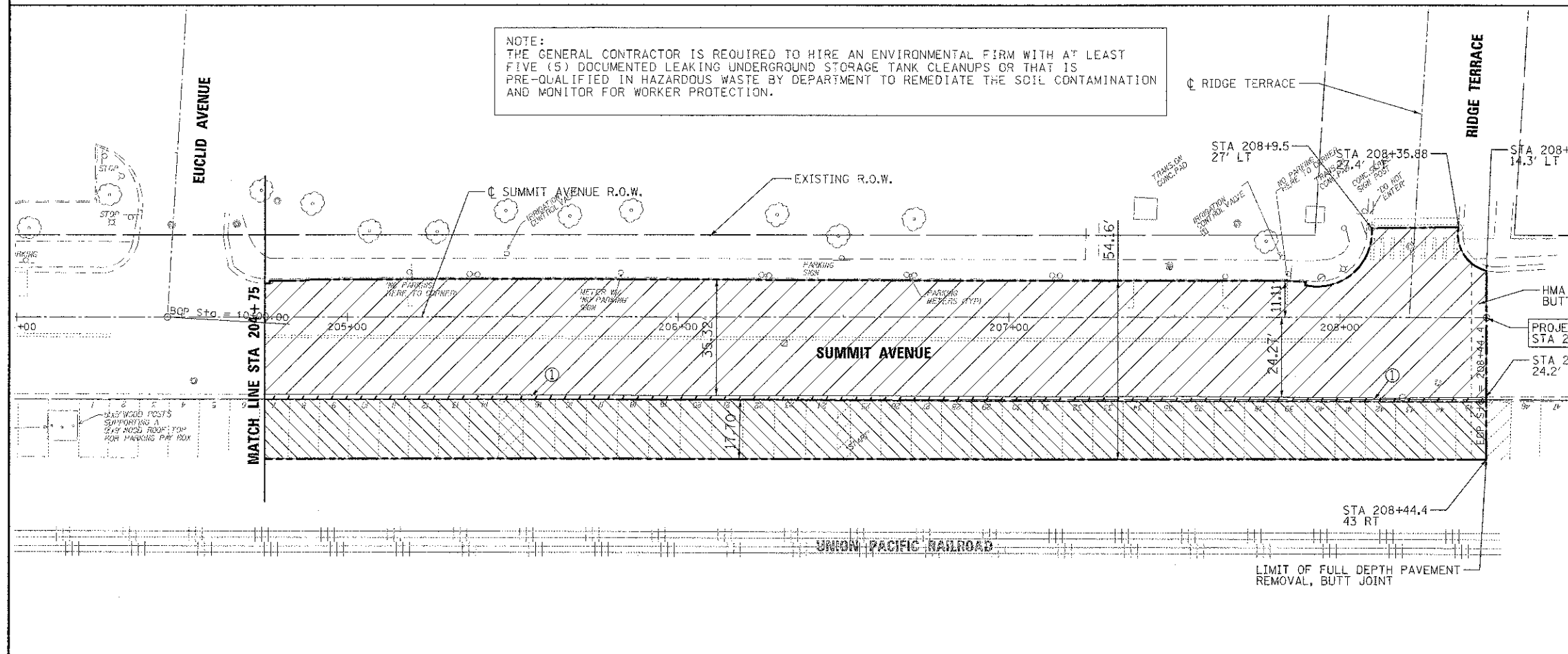
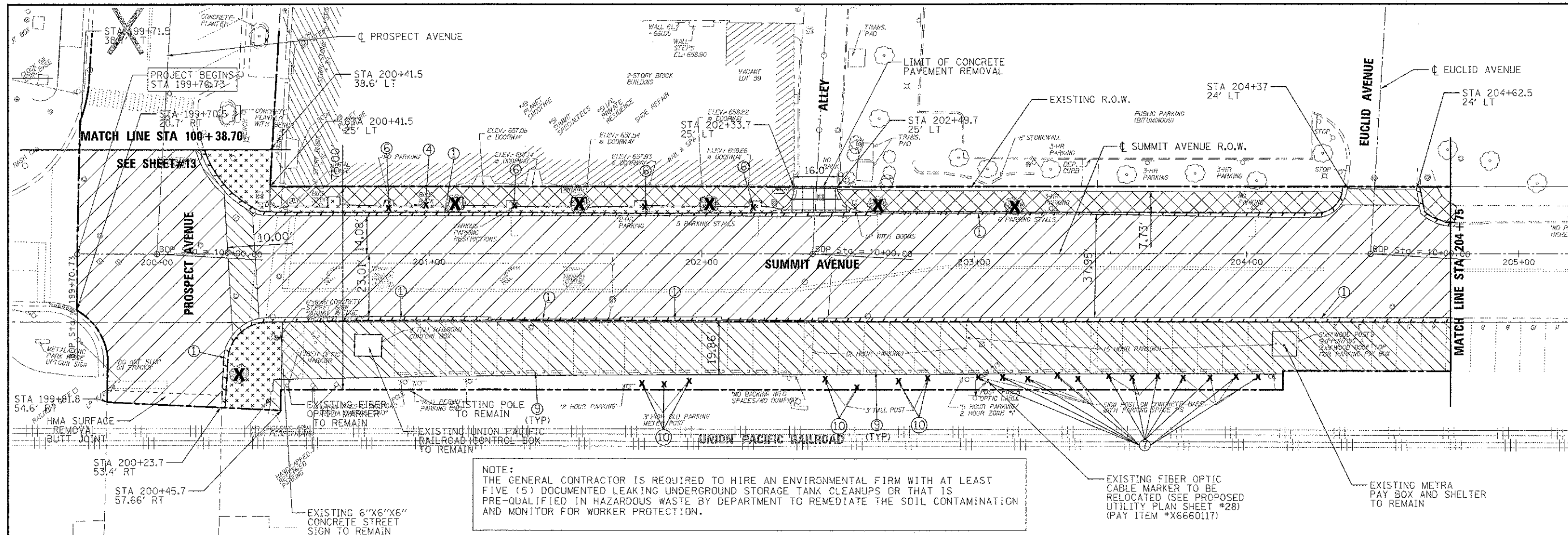
CONTROL POINT #18 IS A "X" CUT IN WALK ON NORTH SIDE OF NORTHWEST HWY.

- 34. CENTER OF COLUMN
- 35. BASE OF BUILDING AT CORNER
- 36. CENTER OF FIRE HYDRANT

**BENCHMARK**

ELEVATION = 666.69 U.S.G.S.

**FLAGPOLE NORTHEAST OF PARK RIDGE PUBLIC LIBRARY**  
**NORTHEAST CORNER OF CONCRETE FLAGPOLE BASE.**



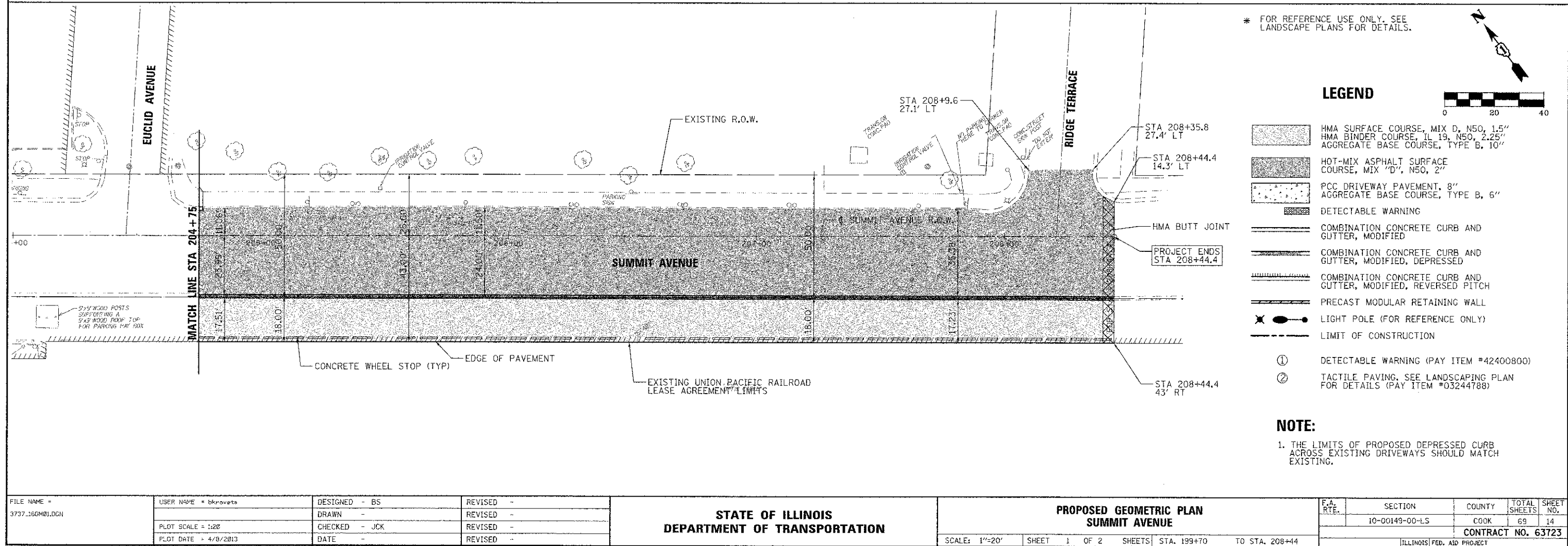
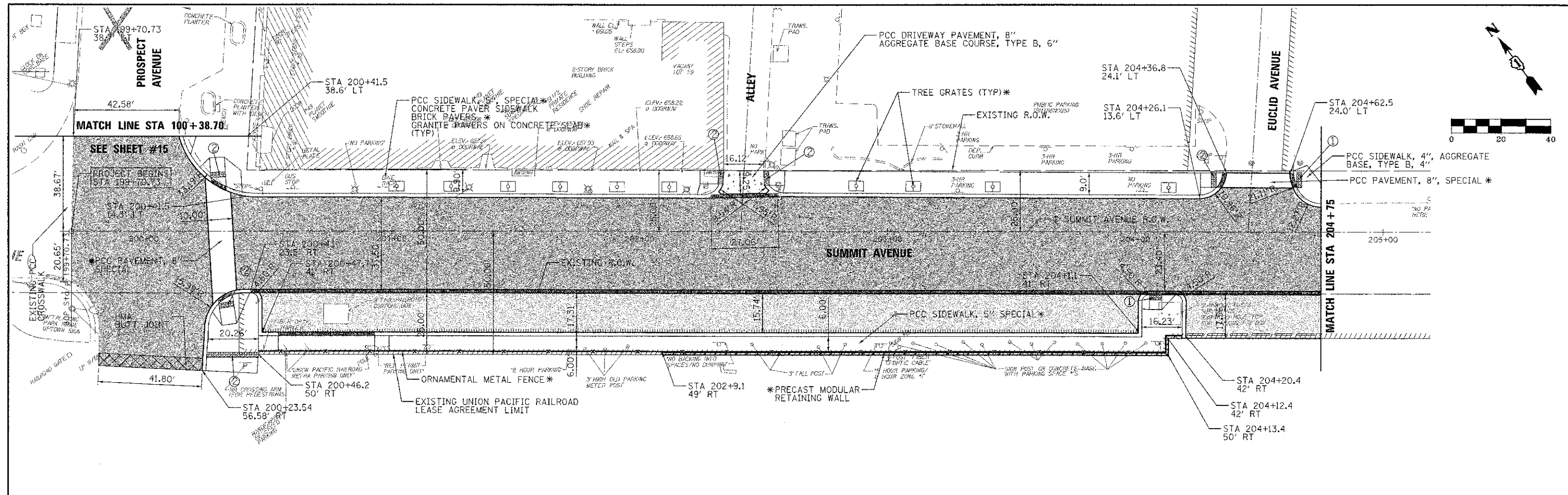
- ITEM LEGEND (PAY ITEM #)**
- ① COMBINATION CURB AND GUTTER REMOVAL (44000500)
  - ② CURB REMOVAL (44000300)
  - ③ CONCRETE RETAINING WALL REMOVAL (Z0075498)
  - ④ BIKE RACK REMOVAL (X0327146)
  - ⑤ BENCH REMOVAL (X0327149)
  - ⑥ GAS LIGHT REMOVAL (XX008662)
  - ⑦ PARKING METERS TO BE REMOVED (Z0036900)
  - ⑧ REMOVE AND RESET RAILROAD PARKING STALL NUMBER SIGN (Z0051500)
  - ⑨ REMOVE EXISTING PARKING BLOCK (X0301339)
  - ⑩ PARKING METER POST TO BE REMOVED (73700100)

- LEGEND (PAY ITEM #)**
- BRICK SIDEWALK REMOVAL (X0326864)
  - HOT-MIX ASPHALT SURFACE REMOVAL (2") (44000157)
  - PAVEMENT REMOVAL (BITUMINOUS) (44000100)
  - SIDEWALK REMOVAL (44000600)
  - PAVEMENT REMOVAL (CONCRETE) (44000100)
  - COMBINATION CURB AND GUTTER REMOVAL (44000500)
  - LIMIT OF CONSTRUCTION
  - TREE REMOVAL
  - ITEM TO BE REMOVED

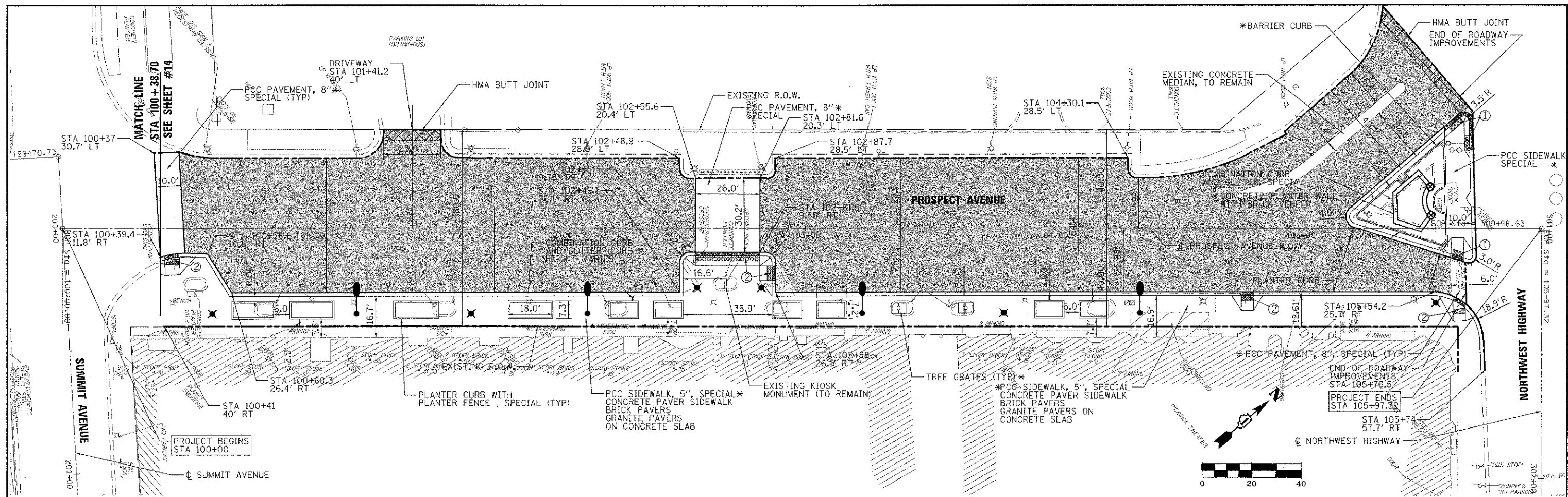
NOTE:  
1. SEE LIGHTING REMOVAL PLAN (SHEET #40) FOR EXISTING ELECTRIC HANDHOLE AND LIGHT POLE REMOVAL.  
2. SEE SHEETS #31-32 FOR SIGNING REMOVAL/RELOCATION.







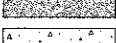

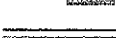

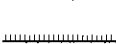
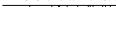
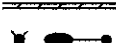









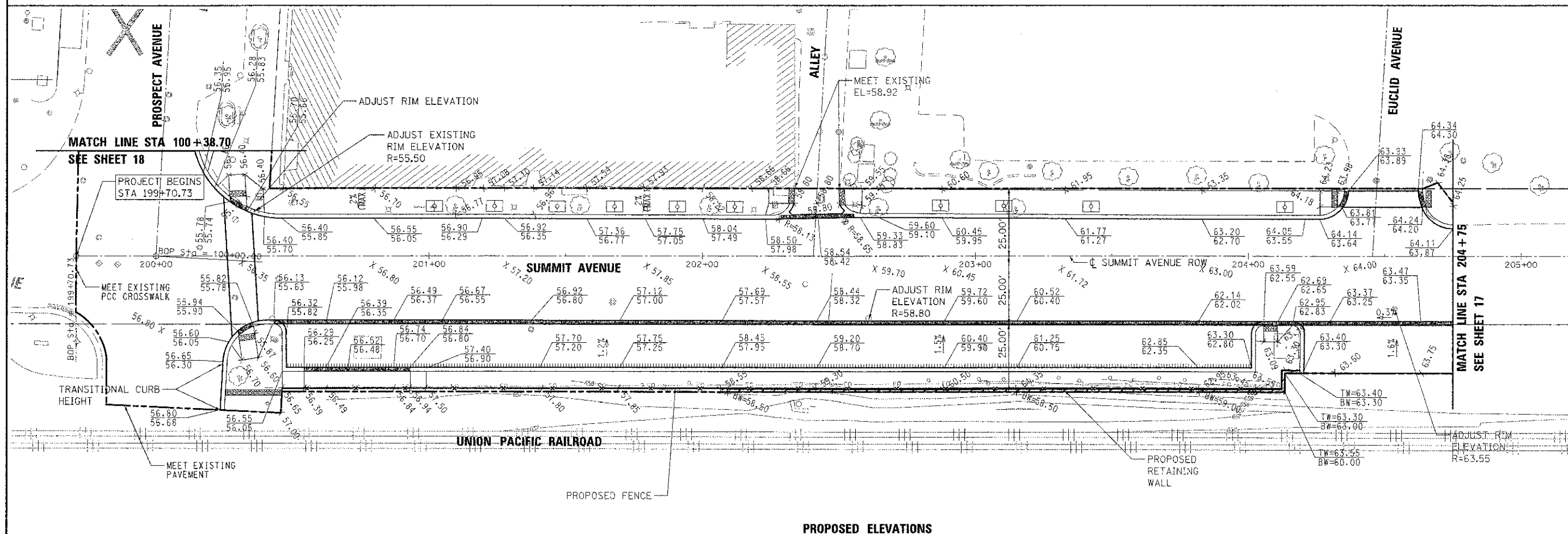
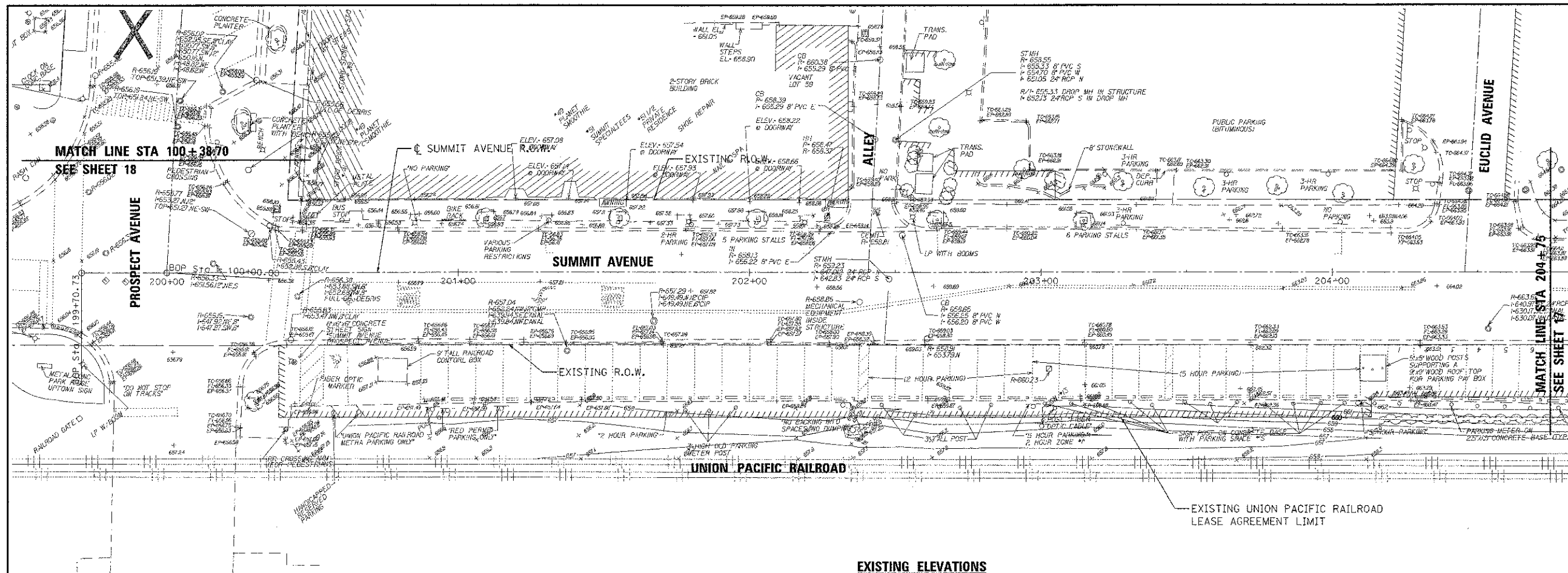


\* FOR REFERENCE USE ONLY. SEE LANDSCAPE PLANS FOR DETAILS.

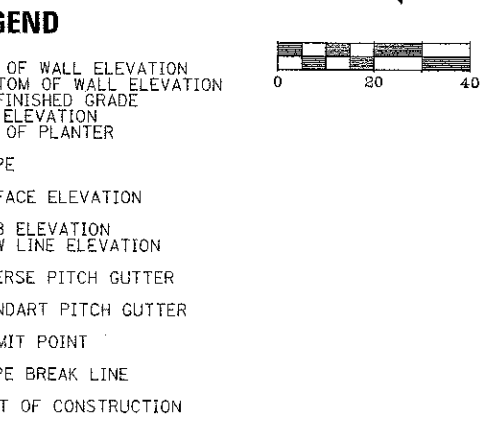
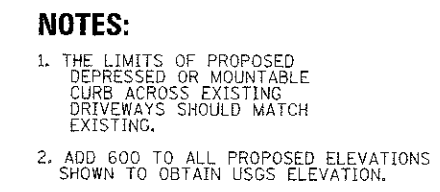
# LEGEND

-  HMA SURFACE COURSE, MIX D, N50, 1.5"
-  HMA BINDER COURSE, IL 19, N50, 2.25"
-  AGGREGATE BASE COURSE, TYPE B, 10"
-  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
-  PCC DRIVEWAY PAVEMENT, 8" AGGREGATE BASE COURSE, TYPE B, 6"
-  DETECTABLE WARNING
-  COMBINATION CONCRETE CURB AND GUTTER, MODIFIED
-  COMBINATION CONCRETE CURB AND GUTTER, MODIFIED, DEPRESSED
-  COMBINATION CONCRETE CURB AND GUTTER, MODIFIED, REVERSED PITCH
-  PRECAST MODULAR RETAINING WALL
-  LIGHT POLE (FOR REFERENCE USE ONLY)
-  LIMIT OF CONSTRUCTION
-  ① DETECTABLE WARNING (PAY ITEM #42400800)
-  ② TACTILE PAVING, SEE LANDSCAPE PLANS FOR DETAILS, (PAY ITEM #X0324788)

FILE NAME = 3737_16GM02.DGN	USER NAME = bkravets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED GEOMETRIC PLAN PROSPECT AVENUE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							10-00149-00-LS	COOK	69	15
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -				CONTRACT NO. 63723						
	PLOT DATE = 4/8/2013	DATE -	REVISED -		SCALE: 1"=20'	SHEET 2 OF 2 SHEETS	STA. 100+00 TO STA. 105+97	ILLINOIS FED. AID PROJECT					



FILE NAME = 3737-160R01.DGN	USER NAME = bkrevets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED AND EXISTING ELEVATIONS PLAN SUMMIT AVENUE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							10-00149-00-LS	COOK	69	16
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -		CONTRACT NO. 63723								
	PLOT DATE = 4/8/2013	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
				SCALE: 1"=20'	SHEET 1 OF 3 SHEETS	STA. 199+70 TO STA. 204+75							



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00149-00-LS	COOK	69	17
CONTRACT NO. 63723				
ILLINOIS FED. AID PROJECT				





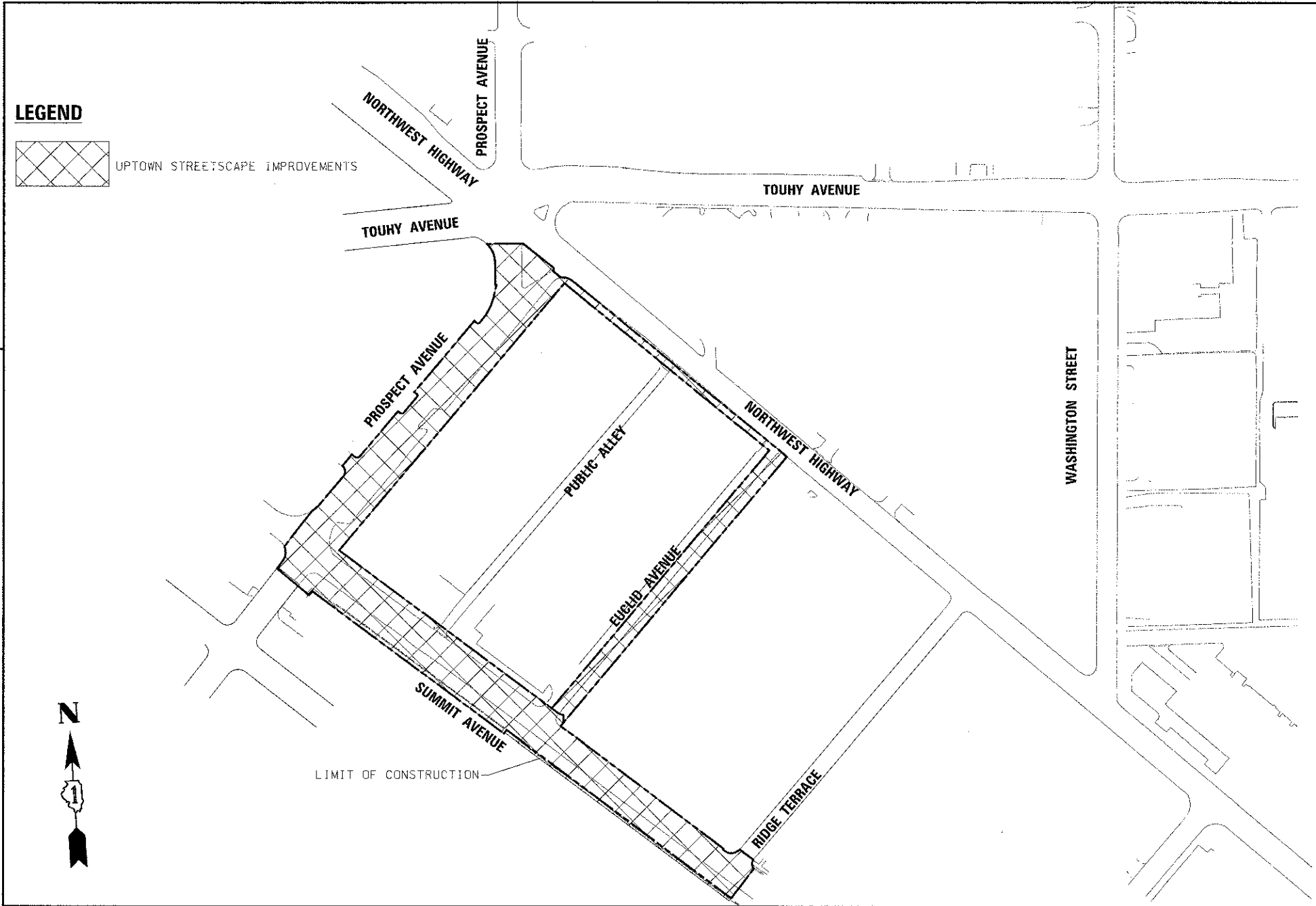
MAINTENANCE OF TRAFFIC – GENERAL NOTES – ALL STAGES

1. THE STAGING PROCEDURES PRESENTED HEREIN ARE THE SUGGESTED SEQUENCE OF CONSTRUCTION OPERATIONS. IT IS THE CONTRACTORS OPTION TO SUBMIT AN ALTERNATIVE STAGING PLAN TO THE ENGINEER FOR APPROVAL.
2. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISION FOR CONSTRUCTION ZONE TRAFFIC CONTROL LRS-3.
3. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE PROPOSED TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER. ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGE CAUSE BY THIS WORK WILL BE PAID FOR BY THE CONTRACTOR.
4. THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC CONTROL FOR THIS PROJECT: 70101-03, 701501-06,701606-08, 701701-08, 701801-05, 701901-02, 701006-03, TC-10, TC-11, TC-13, TC-16, AND TC-22.
5. TEMPORARY DRUMS, AND TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED THROUGHOUT THE LIMITS OF THE WORK ZONE AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLAN SHEETS.
6. EACH PHASE, INCLUDING THE THREE CORRESPONDING STAGES, SHALL BE COMPLETED PRIOR TO STARTING THE NEXT PHASE.
7. THE CONTRACTOR WILL BE PERMITTED TO CLOSE A QUADRANT OF EACH SIDE STREET DURING CONSTRUCTION OPERATION.
8. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS AND SIGNS WHEN IN CONFLICT WITH PROPOSED TEMPORARY PAVEMENT MARKINGS AND SIGNS.
9. WHERE THE PROPOSED WORK WILL IMPACT ALL OF THE ENTRANCES TO A PROPERTY, THE CONTRACTOR SHALL STAGE THE WORK TO MAINTAIN BI-DIRECTIONAL ACCESS AT ALL TIMES. STAGING SHALL BE COORDINATED WITH THE PROPERTY OWNER AND APPROVED BY THE ENGINEER.
10. DRUMS SHALL BE EQUIPPED WITH STEADY BURNING LIGHTS AND PLACED AT 25 FOOT CENTERS ON TAPER SECTIONS AND AT 25 FOOT CENTERS ON TANGENT.
11. ALL ADVANCED WARNING SIGNS AND TEMPORARY PAVEMENT MARKINGS SHALL BE IN PLACE AND APPROVED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY PHASE OR STAGE OF CONSTRUCTION.
12. TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).
13. THE FURNISHING, INSTALLATION, AND RELOCATION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STATE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

INDICATES NOTE CONTAINS PAY ITEM INFORMATION

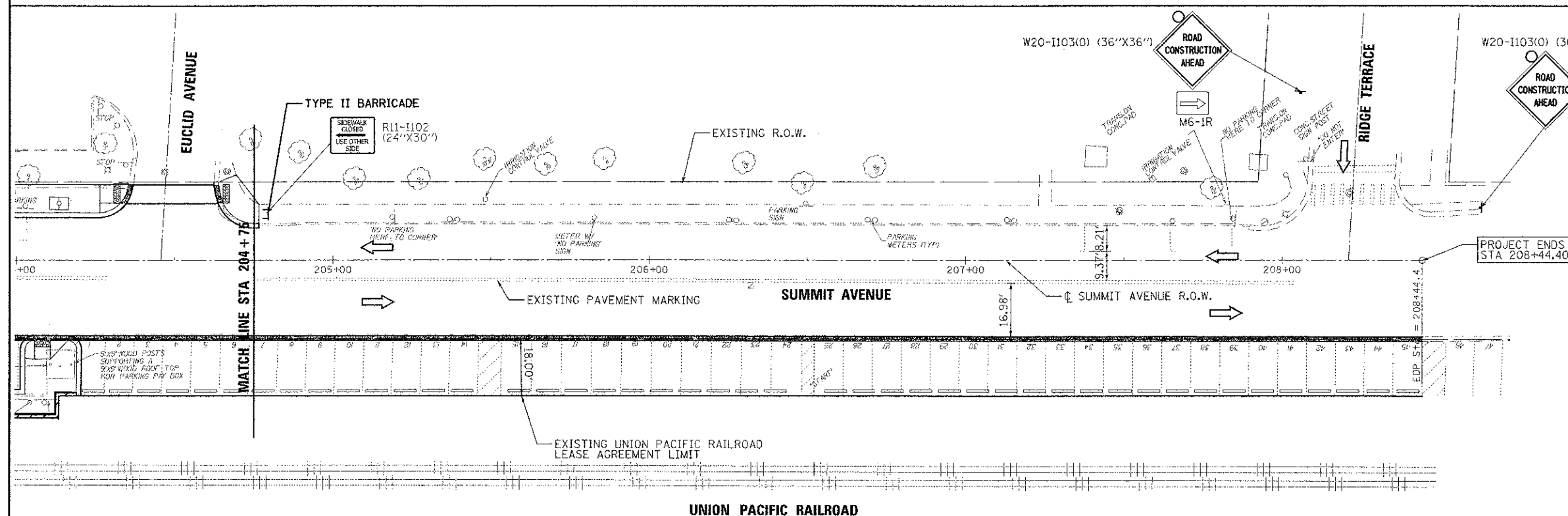
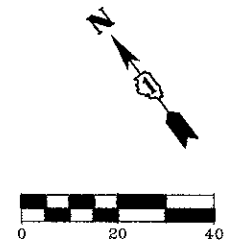
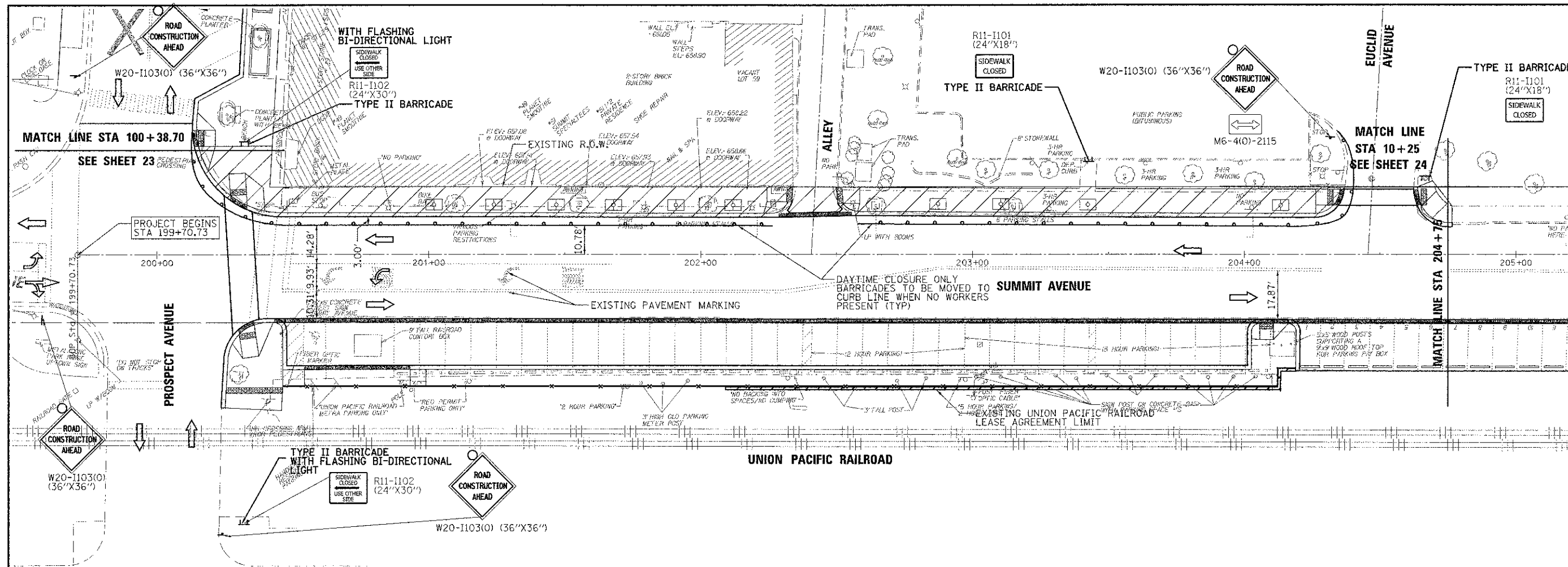
PEDESTRIAN PATH NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS (MIN. 4' WIDE) TO ADJACENT PROPERTIES BY INSTALLING PLYWOOD RAMP/WALKWAYS. PEDESTRIAN ACCESS TO ADJACENT PROPERTIES SHALL BE PROVIDED UNTIL THE WALKWAY IS FULLY RESTORED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF SIGNAGE AND OTHER ITEMS TO PROVIDE SAFE PEDESTRIAN ACCESS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH TEMPORARY ACCESS WALK.
2. A TEMPORARY 6' FENCE WITH PRIVACY SCREENING ON TEMPORARY FOOTINGS WITH SANDBAGS MUST BE PLACED BETWEEN THE PEDESTRIAN PATH AND WORK ZONE. THESE BARRICADES MUST BE SECURE FROM FALLING OVER.
3. USE ONE "PEDESTRIAN WALKWAY (ARROW)" (BLACK LEGEND ON WHITE REFLECTORIZED BACKGROUND) SIGN AT EACH END OF EACH SIDEWALK SECTION BEING RECONSTRUCTED (STANDARD 701801).
4. AT EACH POINT OF CLOSURE, SUFFICIENT NUMBERS OF BARRICADES MUST BE USED TO COMPLETELY CLOSE THE PATHWAY.
5. PEDESTRIAN WALKWAYS MUST BE MAINTAINED FREE OF ANY OBSTRUCTIONS AND HAZARDS SUCH AS HOLES, DEBRIS, MUD, CONSTRUCTION EQUIPMENT, STORED MATERIALS, ETC. AND MUST BE BROOM SWEEP DAILY OR AS DIRECTED BY THE ENGINEER.
6. ALL HAZARDS NEAR OR ADJACENT TO WALKWAYS MUST BE CLEARLY DELINEATED.









**LEGEND**

AREA UNDER CONSTRUCTION

TEMPORARY DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT

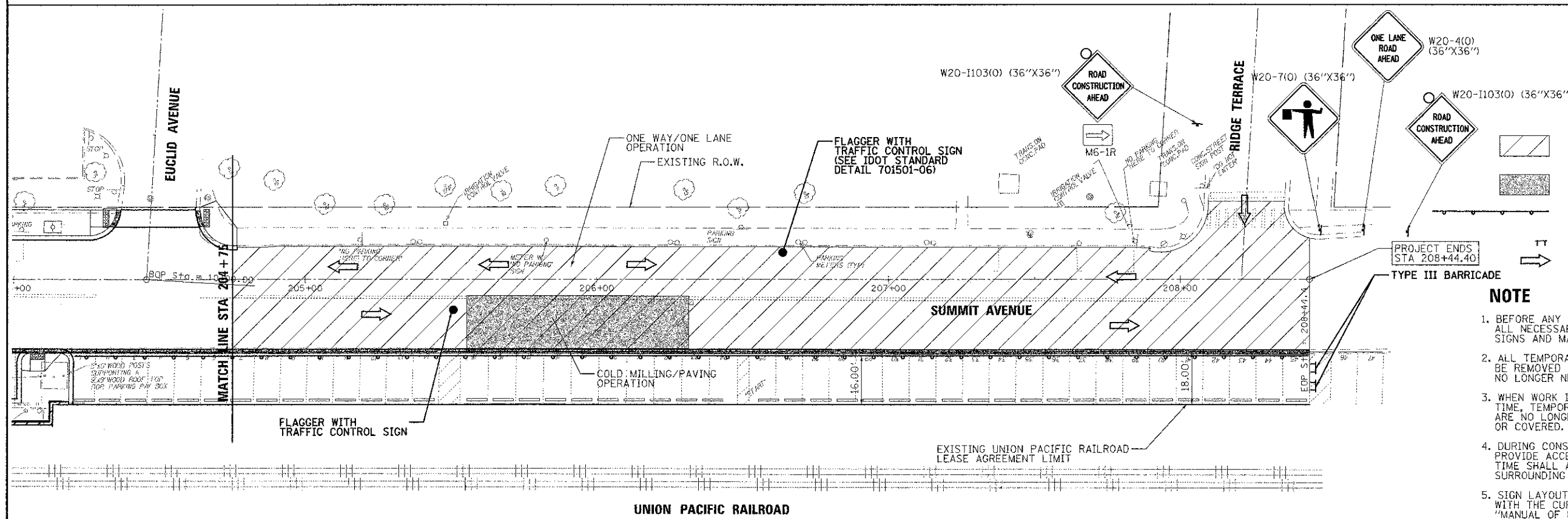
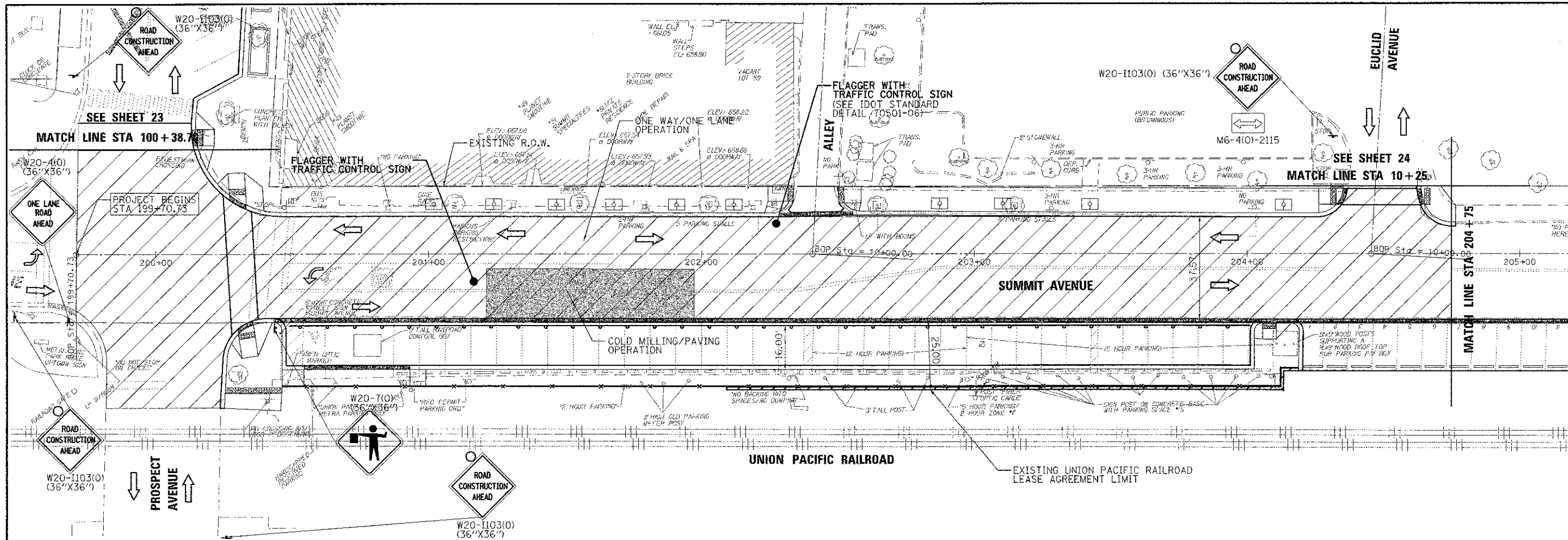
BARRICADE

TRAFFIC FLOW DIRECTIONS

**NOTE**

- BEFORE ANY CONSTRUCTION ACTIVITIES IS STARTED ALL NECESSARY TEMPORARY TRAFFIC CONTROL SIGNS AND MARKINGS SHALL BE IN PLACE.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED.
- WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
- DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ACCESS TO ADJUTING PROPERTIES. AT NO TIME SHALL ACCESS BE DENIED TO HOMES/BUSINESSES SURROUNDING THE SITE.
- SIGN LAYOUT AND SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT IDOT STANDARD DRAWINGS AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES," SEE HIGHWAY STANDARDS FOR ADDITIONAL INFORMATION.
- THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL)

FILE NAME = 3737_16MT02.DGN	USER NAME = akrovats	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN SUMMIT AVENUE - STAGE 2	SCALE: 1"=20'	SHEET 2 OF 3	SHEETS: STA. 199+70 TO STA. 208+44	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							10-00149-00-LS	COOK	69	21
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -						CONTRACT NO. 63723				
	PLGT DATE = 4/8/2013	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



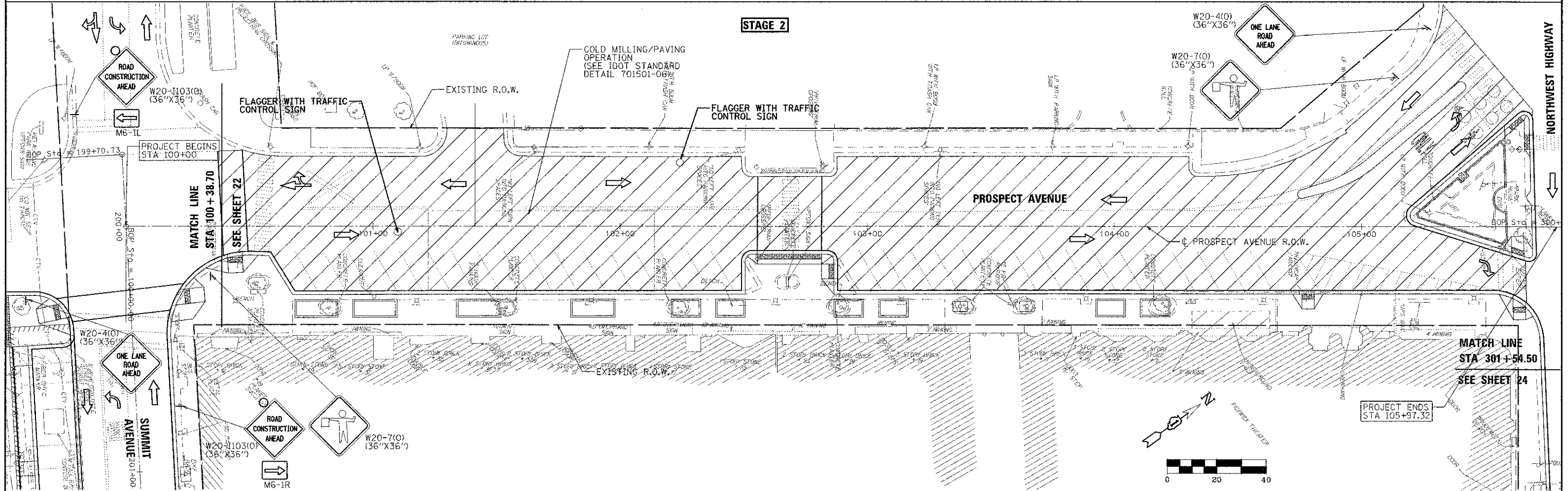
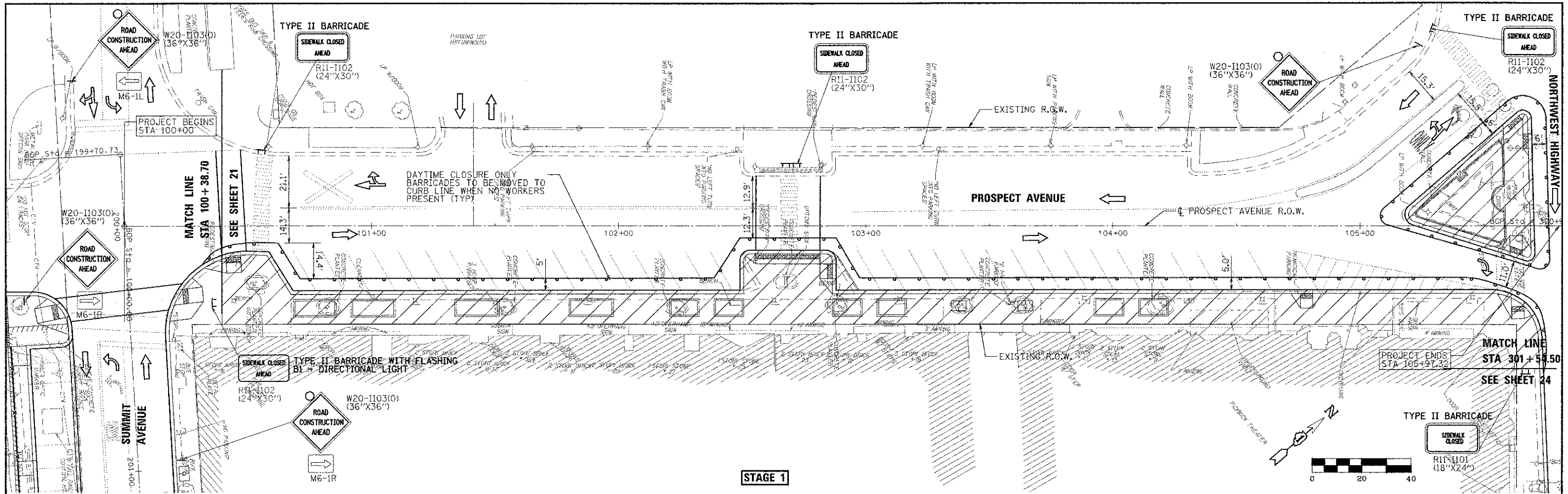
**LEGEND**

- AREA UNDER CONSTRUCTION (MILLING/ PAVING)
- MOVING OPERATION ON THE ROAD
- TEMPORARY DRUM WITH STEADY BURN BI-DIRECTIONAL LIGHT
- BARRICADE
- TRAFFIC FLOW DIRECTION

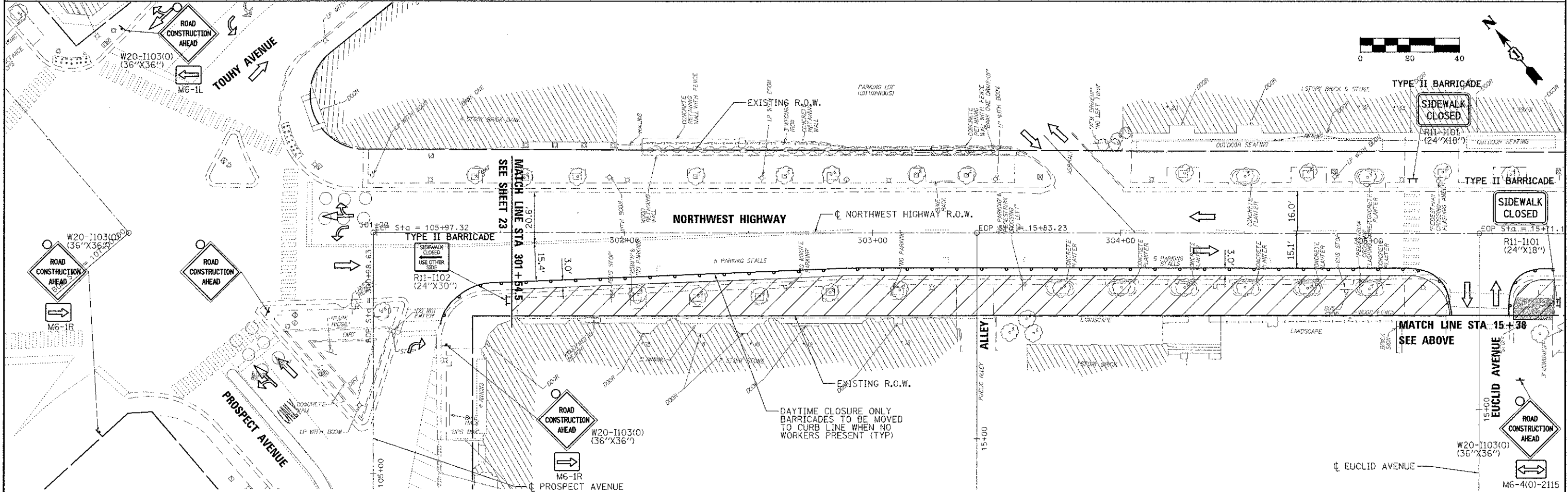
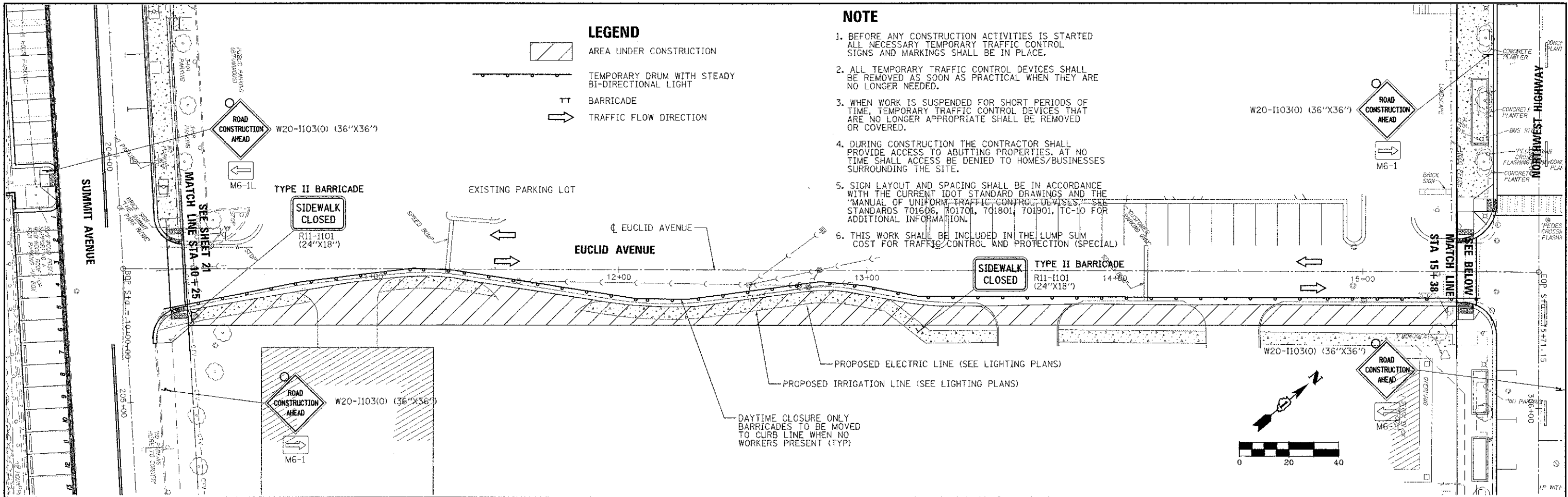
**NOTE**

- BEFORE ANY CONSTRUCTION ACTIVITIES IS STARTED ALL NECESSARY TEMPORARY TRAFFIC CONTROL SIGNS AND MARKINGS SHALL BE IN PLACE.
- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED.
- WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
- DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTIES. AT NO TIME SHALL ACCESS BE DENIED TO HOMES/BUSINESSES SURROUNDING THE SITE.
- SIGN LAYOUT AND SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT IDOT STANDARD DRAWINGS AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES." SEE HIGHWAY STANDARDS FOR ADDITIONAL INFORMATION.
- THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL)

FILE NAME = 3737.16MT03.DGN	USER NAME = bkravets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN SUMMIT AVENUE – STAGE 3				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							10-00149-00-LS	COOK	69	22
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -		SCALE: 1"=20'								
	PLOT DATE = 4/8/2013	DATE -	REVISED -		SHEET 3 OF 3 SHEETS STA. 199+70 TO STA. 208+44				CONTRACT NO. 63723 ILLINOIS FED. AID PROJECT				

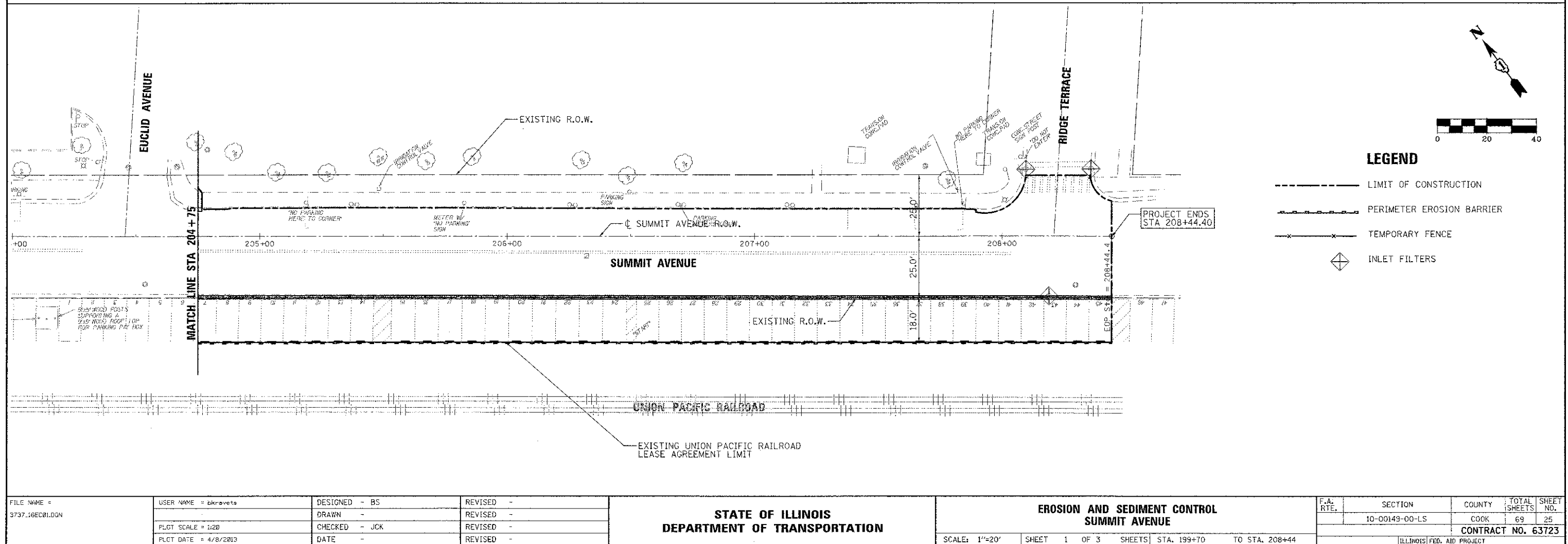
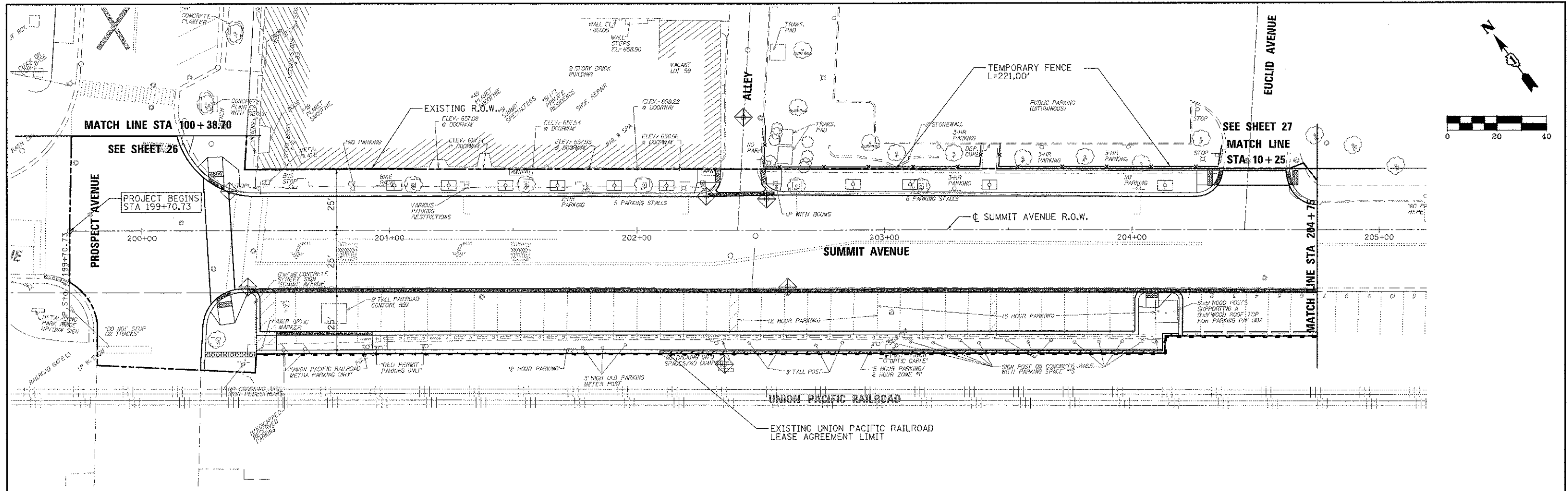


FILE NAME = 373738M784.DGN	USER NAME = bkravets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN PROSPECT AVENUE - STAGE 1 AND 2			F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
		DRAWN -	REVISED -		SCALE: 1"=20'				10-00149-00-LS	COOK	69 23
		CHECKED - JCK	REVISED -		SHEET 1 OF 1 SHEETS STA. 100+00 TO STA. 105+97						CONTRACT NO. 63723
		DATE - 4/8/2013	REVISED -								ILLINOIS FED. AID PROJECT



FILE NAME = 3737-16MT05.DGN USER NAME = bkrovetz PLOT SCALE = 1:20 PLOT DATE = 4/8/2013		DESIGNED - BS DRAWN - CHECKED - JCK DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		MAINTENANCE OF TRAFFIC EUCLID AVENUE AND NORTHWEST HIGHWAY		SCALES: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.	F.A. RTE. SECTION 10-00149-00-LS COUNTY COOK TOTAL SHEETS 69 SHEET NO. 24 CONTRACT NO. 63723 ILLINOIS FED. AID PROJECT
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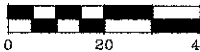
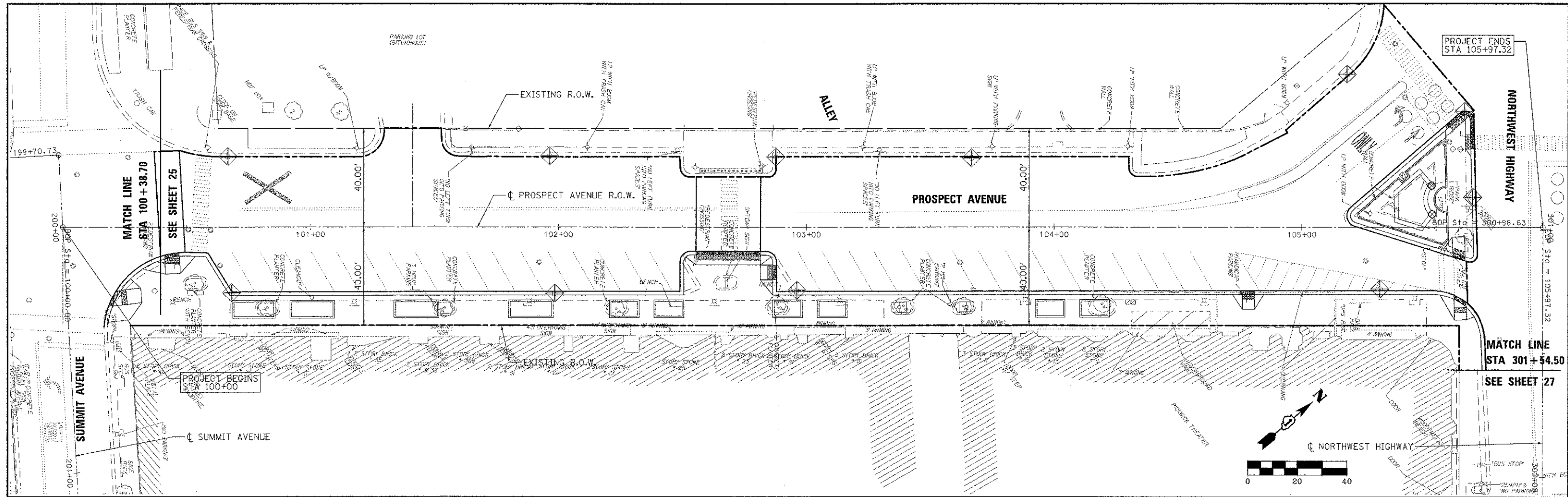





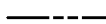
# LEGEND

- LIMIT OF CONSTRUCTION
- PERIMETER EROSION BARRIER
- x-x- TEMPORARY FENCE
- ◇ INLET FILTERS

FILE NAME = 3737.16EC01.DGN	USER NAME = dkravets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL SUMMIT AVENUE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						10-00149-00-LS	COOK	69	25
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -									CONTRACT NO. 63723
	PLOT DATE = 4/8/2013	DATE -	REVISED -		SCALE: 1"=20'	SHEET 1 OF 3 SHEETS	STA. 199+70 TO STA. 208+44	ILLINOIS FED. AID PROJECT				



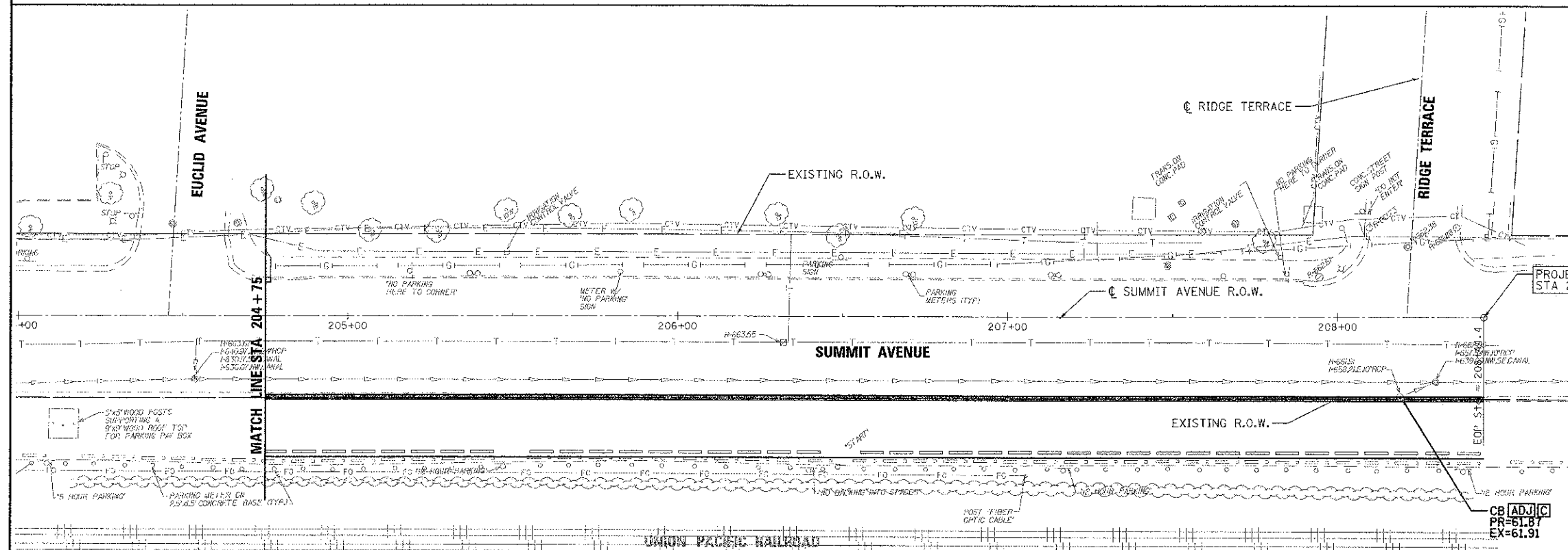
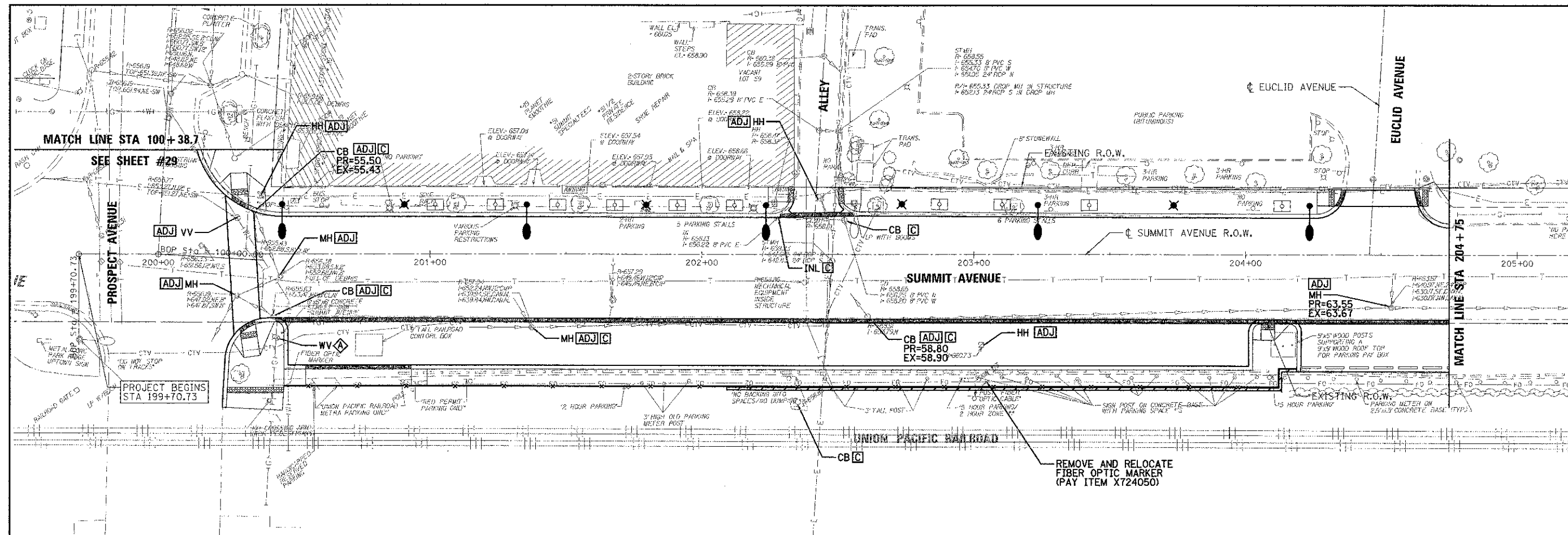
**LEGEND**

-  INLET FILTERS
-  LIMIT OF CONSTRUCTION

FILE NAME = 3737_18EC02.DGN	USER NAME = bkravets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL PROSPECT AVENUE	SCALE: 1"=20'	SHEET 2 OF 3 SHEETS	STA. 100+00 TO STA. 105+97	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							10-00149-00-LS	COOK	69	26
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -										
	PLOT DATE = 4/8/2013	DATE -	REVISED -										
										CONTRACT NO. 63723			
										ILLINOIS FED. AID PROJECT			







**LEGEND**

TYPE OF STRUCTURE

TYPE OF WORK TO BE COMPLETED (ADJUST)

PROPOSED RIM ELEVATION

EXISTING RIM ELEVATION

**LEGEND (PAY ITEM #)**

CB - CATCH BASIN

VV - VALVE VAULT

INL - INLET

MH - MANHOLE

HH - HANDHOLE

B-BOX - DOMESTIC WATER SERVICE BOX TO BE ADJUSTED (56500600)

FO - FIBER OPTIC CABLE MARKER

CO - CLEAN OUT

GV - GAS VALVE

WV - WATER VALVE

ADJ - DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED (Z0017400)

REL - VALVE BOX TO BE MOVED (56500200)

C - DRAINAGE STRUCTURES TO BE CLEANED (Z0018500)

F - FILLING CATCH BASIN (60500205)

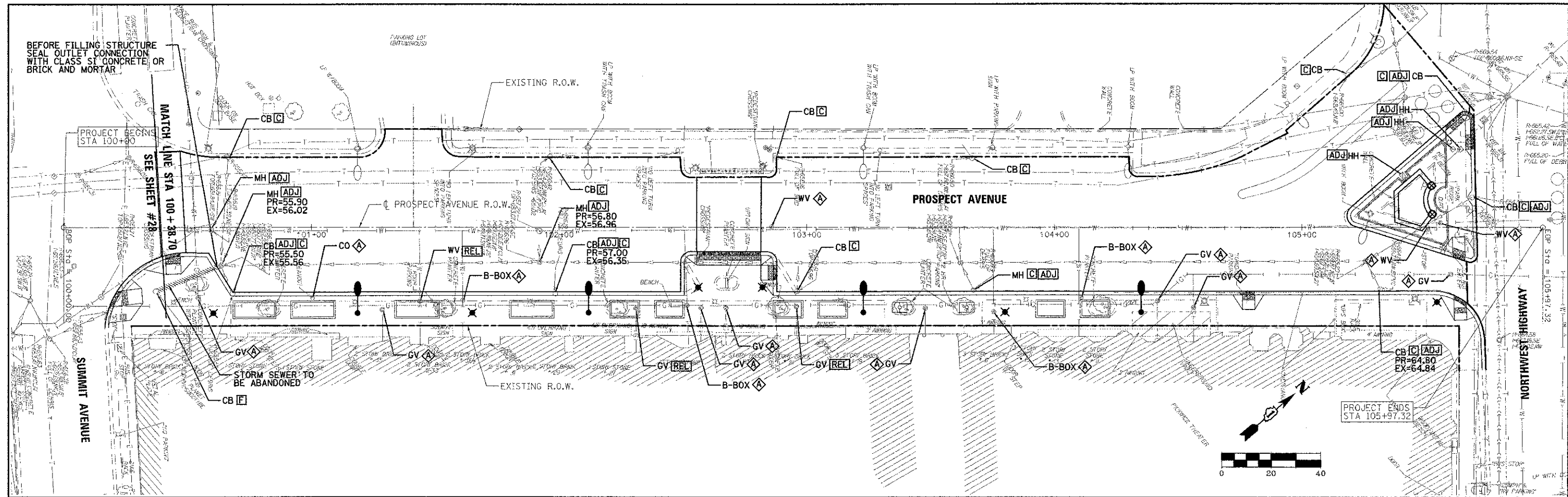
A - VALVE BOXES TO BE ADJUSTED (60266600)

--- S --- STORM SEWER TO BE ABANDONED

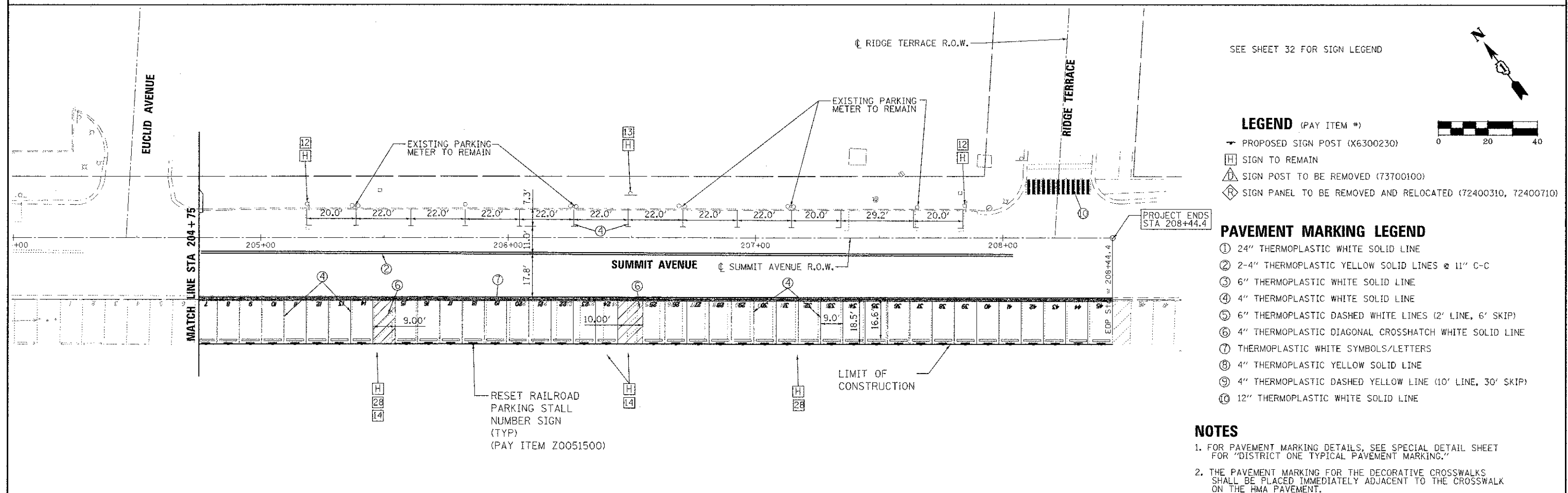
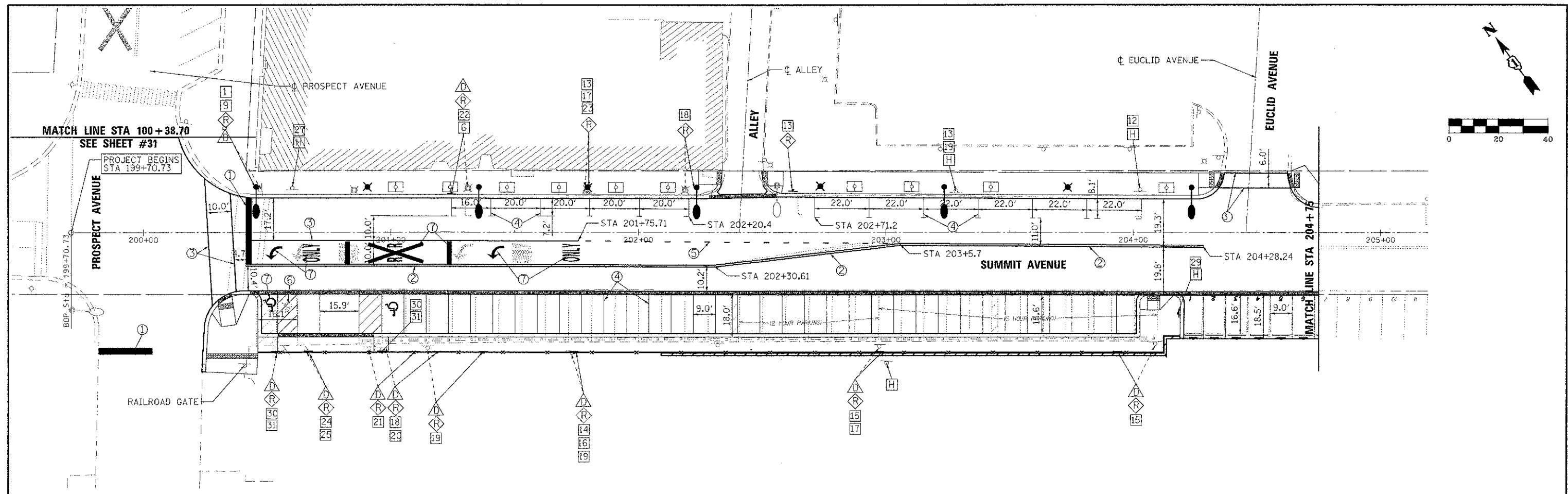
--- L --- PROPOSED LIGHT POLE (FOR REFERENCE ONLY)

--- L --- LIMIT OF CONSTRUCTION

FILE NAME = 3737_16UT01.DGN	USER NAME = bkrovets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED UTILITY PLAN SUMMIT AVENUE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
		DRAWN -	REVISED -							10-00149-00-LS	COOK	69
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -					CONTRACT NO. 63723				
	PLOT DATE = 4/8/2013	DATE -	REVISED -		SCALE: 1"=20'	SHEET 1 OF 2 SHEETS	STA. 199+70 TO STA. 208+44	ILLINOIS FED. AID PROJECT				

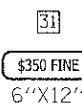
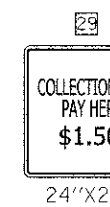
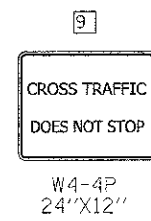
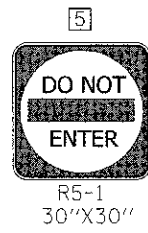


FILE NAME = 3737.18UT02.DGN				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PROPOSED UTILITY PLAN PROSPECT AVENUE				F.A. SECTION COUNTY TOTAL SHEET NO. RTE. 10-00149-00-LS COOK 69 29 CONTRACT NO. 63723			
USER NAME = bkravets				DESIGNED - BS				SCALE: 1"=20'				ILLINOIS FED. AID PROJECT			
PLOT SCALE = 1/20				DRAWN -				SHEET 2 OF 2 SHEETS							
PLOT DATE = 4/8/2013				CHECKED - JCK				STA. 100+00 TO STA. 105+97							
				DATE -											
				REVISED -											
				REVISED -											
				REVISED -											
				REVISED -											



FILE NAME = 3737-16PM2L.DGN	USER NAME = bkravets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED SIGNING, PAVEMENT MARKING AND LOOP DETECTOR REPLACEMENT PLAN SUMMIT AVENUE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							10-00149-00-LS	COOK	69	30
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -						CONTRACT NO. 63723				
	PLOT DATE = 4/8/2013	DATE -	REVISED -		SCALE: 1"=20'	SHEET 1 OF 2 SHEETS	STA. 199+70 TO STA. 208+44	ILLINOIS FED. AID PROJECT					





FILE NAME = 3737_16SIGN.DGN	USER NAME = tkrevets	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGN LEGEND				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						10-00149-00-LS	COOK	69	32	
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -		SCALE: 1"=20'				CONTRACT NO. 63723				
	PLOT DATE = 4/8/2013	DATE -	REVISED -		SHEET 1 OF 1 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT				



General Notes

1. LANDSCAPE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS (EXISTING AND PROPOSED) ALONG WITH EXISTING CONDITIONS AND GRADES (EXISTING AND PROPOSED), AND NOTE ANY DISCREPANCIES TO CITY AND ENGINEER IMMEDIATELY, BEFORE PROCEEDING WITH ANY WORK.
2. BASE INFORMATION FOR THESE PLANS WAS TAKEN FROM ENGINEER'S SITE SURVEY, GEOMETRIC, AND GRADING PLANS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING AND PROPOSED FEATURES, AND FAMILIARIZE THEMSELVES WITH ANY OBSTACLES ENCUMBERING THE INSTALLATION OF THIS PROJECT.
3. EXISTING TREES SHOWN ON THESE PLANS WERE TAKEN FROM ENGINEER'S SITE SURVEY.

General Planting Notes

GENERAL CONDITIONS:

1. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL LANDSCAPE SPECIFICATIONS PRIOR TO COMMENCEMENT OF WORK. ANY QUESTIONS OR CONCERNS SHALL BE DIRECTED TO THE ENGINEER IN WRITING PRIOR TO LANDSCAPE WORK COMMENCEMENT.
2. ALL PROJECT LIMITS SHALL BE FENCED WITH TEMPORARY PLASTIC FENCING AT 48" HEIGHT, STAKED AT 4' ON CENTER, AND CLEARLY SIGNED FOR CONSTRUCTION ACTIVITIES. ALL EXISTING, PROTECTED VEGETATION SHALL BE FENCED AT A MINIMUM OF THE PLANTS DRIP LINE OR AS APPROVED BY THE ENGINEER.
3. THE LANDSCAPE CONTRACTOR SHALL KEEP ALL AREAS CLEAN AND ORDERLY AT ALL TIMES.
4. THE LANDSCAPE CONTRACTOR SHALL KEEP ALL ROADWAYS AND WALKWAYS CLEAR OF MUD AND DEBRIS THAT RESULT FROM LANDSCAPE OPERATIONS.

SOIL & PLANTING MIX:

5. ALL SOIL PLANTING MIX FOR BACKFILL OR BEDS, WHETHER FROM ON-SITE STOCKPILE OR NEW IMPORTED SOIL, SHALL BE TESTED FOR APPROVED SPECIFIED PH LEVELS AND NUTRIENT CONTENT.
6. TOPSOIL SHALL BE CLEAN, PULVERIZED SOIL FROM AN ACCEPTABLE SOURCE. TOPSOIL SHALL BE FREE OF DEBRIS, STONES, AND OTHER MATERIAL NOT MORE THAN ONE INCH (1") DIAMETER IN SIZE.
7. IT IS ANTICIPATED THAT ALL PLANTING AREAS, INCLUDING LAWN, SHALL BE THOROUGHLY TILLED TO A MINIMUM OF 12-18" DEPTH. ALL ON-SITE TOPSOIL SHALL BE AMENDED AND REUSED AS APPROVED, OR REMOVED OFF-SITE AND DISPOSED OF PROPERLY. NEW PLANTING SOIL MIX SHALL BE INSTALLED AND PROPERLY COMPACTED TO THE FOLLOWING DEPTHS NOTED IN THE SPECIFICATIONS AND LANDSCAPE PLANTING DETAILS.
8. CLEAN TOPSOIL MIX SHOULD HAVE A TESTED AND APPROVED PH OF 6.0 -- 7.0.
9. ALL PLANTING BEDS SHALL BE THOROUGHLY TILLED AND AMENDED WITH TOPSOIL/COMPOST MIX TO A MINIMUM OF 24" DEPTH.
10. ALL EXCESS MATERIALS AND SPOILS RESULTING FROM THE LANDSCAPE WORK SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE LANDSCAPE CONTRACTOR.

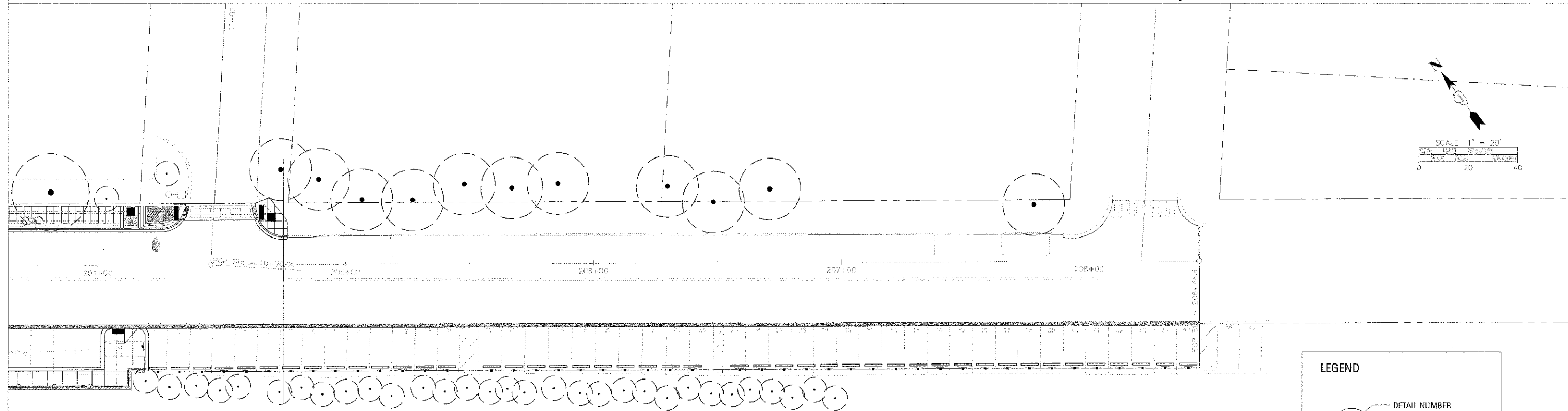
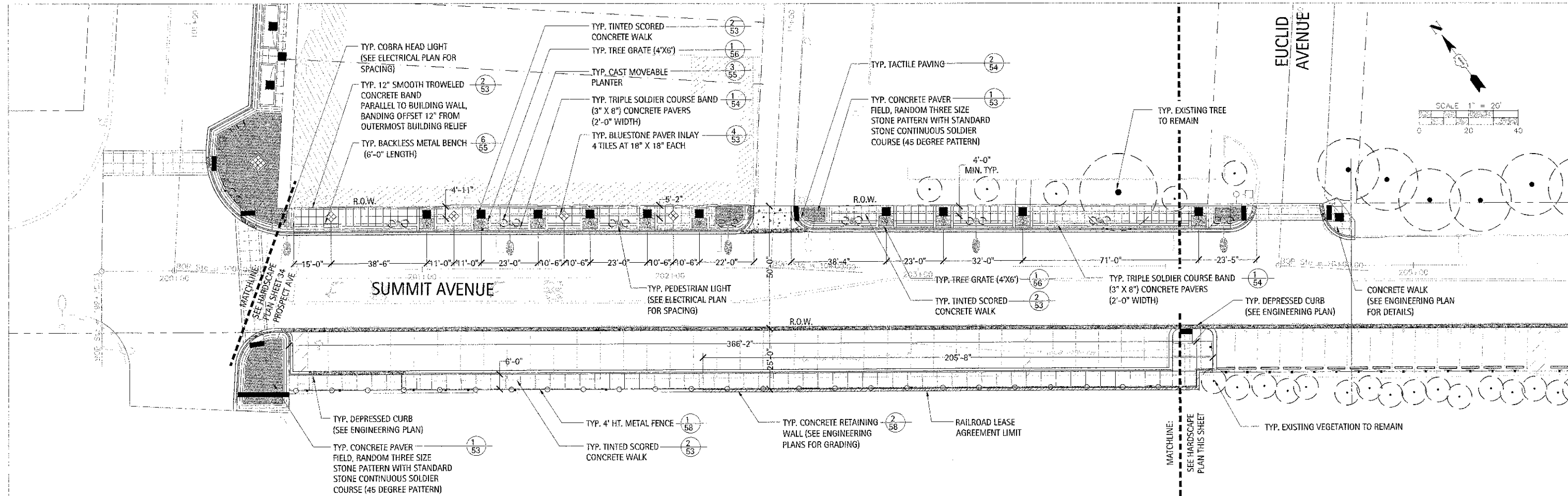
PLANTER SOIL MIX

11. FOR ALL GRADE LEVEL PLANTERS, TOPSOIL/PLANTER MIX SHALL FOLLOW THE SAME SOIL PLANTING MIX AS NOTED ABOVE WITH THE EXCEPTION THAT AS PER THESE DETAILS, DIMENSIONS AND SPECIFICATIONS. STRUCTURAL SOIL MIX SHALL BE INSTALLED IN THE DEFINED HARDSCAPE PLANTING LIMITS AS NOTED IN THESE DRAWINGS AND DETAILS.

PLANTING STANDARDS:

12. ALL PLANT MATERIAL SHALL BE TOP-QUALITY GRADE, FREE OF DEFECTS, AND MEET ACCEPTED HORTICULTURAL STANDARDS ESTABLISHED BY THE AMERICAN NURSERYMEN'S ASSOCIATION (AAN) AND AS DEEMED APPROPRIATE BY THE ENGINEER. THE ENGINEER SHALL HAVE THE RIGHT TO REJECT ANY, AND ALL, PLANT MATERIAL DELIVERED TO THE SITE THAT DOES NOT MEET ACCEPTABLE STANDARDS.
13. ALL SOD SHALL BE SALT TOLERANT.
14. SIZES SHOWN ON PLANT SCHEDULE ARE MINIMUM ACCEPTABLE SIZES.
15. ALL PLANTS TO BE BALLED-IN-BURLAP OR CONTAINER-GROWN AS SPECIFIED IN PLANT SCHEDULE. ALL PLASTIC ROOT WRAPPING MATERIAL AND METAL WIRE BASKETS SHALL BE REMOVED.
16. ALL NEW AND TRANSPLANTED PLANTS TO BE SPRAYED WITH AN ANTIDESSECANT WITHIN TWENTY-FOUR (24) HOURS AFTER PLANTING. ANTITRANSPIRANT SHALL BE APPLIED.
17. THE ENGINEER SHALL FIELD VERIFY AND APPROVE ALL FINAL STAKED TREE, SHRUB, AND PERENNIAL BED LOCATIONS PRIOR TO INSTALLATION.
18. THE LANDSCAPE CONTRACTOR SHALL REPAIR TO ITS ORIGINAL CONDITION ANY PLANT MATERIAL OR LAWN WHICH BECOMES DAMAGED AS A RESULT OF LANDSCAPE OPERATIONS.
19. ALL PERENNIALS SHALL BE PLANTED AT LEAST TWO (2) FEET FROM THE TREE TRUNKS PLANTED WITHIN PLANTING AREAS.
20. ENGINEER SHALL APPROVE ALL PLANT MATERIALS FOR QUALITY, CONDITION AND SPECIFIED SIZES. PLANT MATERIAL SHALL BE APPROVED AT NURSERY LOCATION, DURING TAGGING OR BEFORE REMOVAL AND TRANSPORT TO JOB SITE. SHRUBS, PERENNIALS AND GROUNDCOVERS SHALL BE APPROVED AT JOB SITE PRIOR TO INSTALLATION.



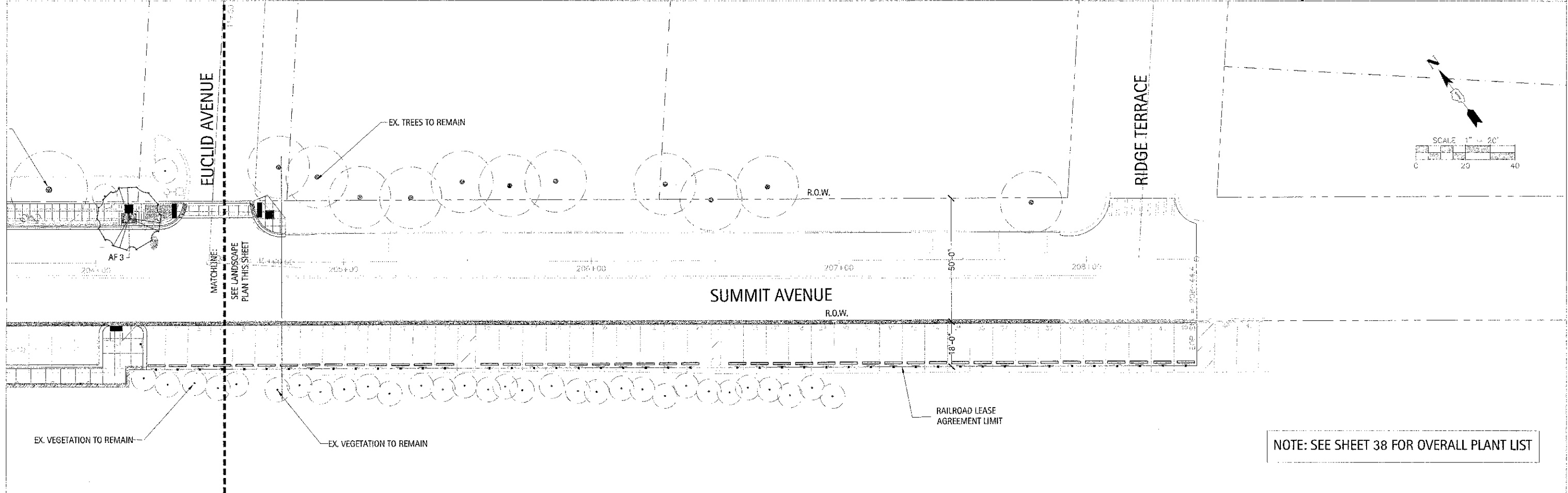
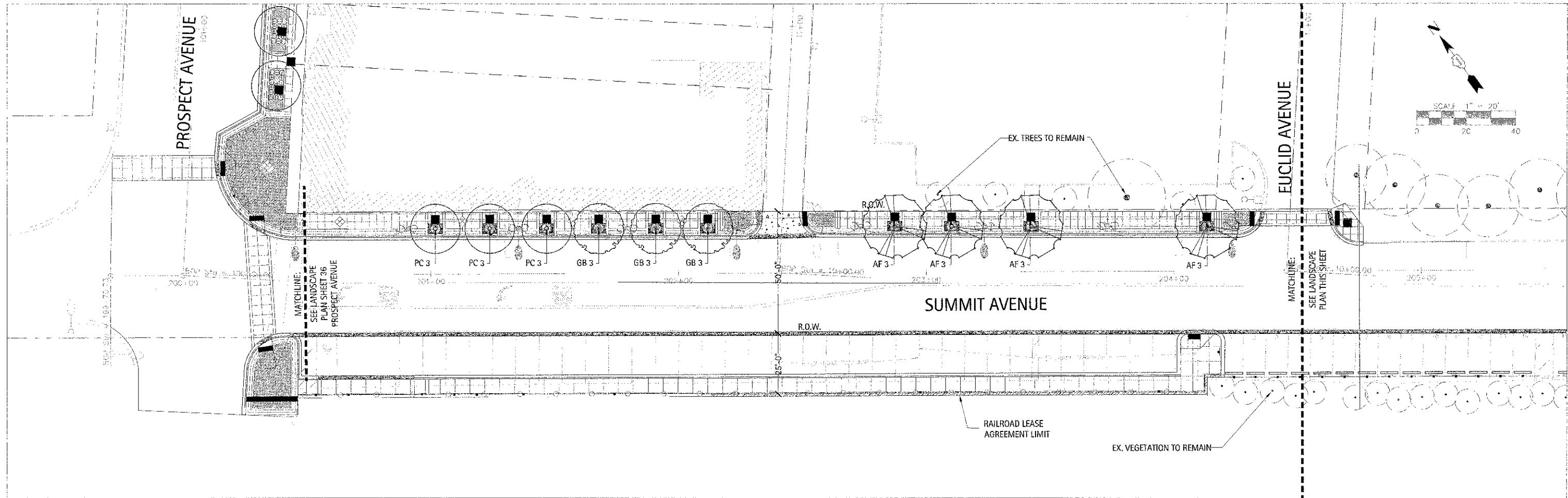


**LEGEND**

X ———— DETAIL NUMBER

XX ———— PAGE NUMBER





NOTE: SEE SHEET 38 FOR OVERALL PLANT LIST

FILE NAME = 10-00149-C0-1.5	USER NAME = \$USER\$	DESIGNED ---	REVISED ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN: SUMMIT AVENUE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN ---	REVISED ---					10-00149-C0-1.5	COOK	69	37	
	PLOT SCALE = \$SCALE\$	CHECKED ---	REVISED ---					CONTRACT NO. 63723				
	PLOT DATE = \$DATE\$	DATE ---	REVISED ---					ILLINOIS FED. AID PROJECT				
SCALE: AS SHOWN					SHEET 2 OF 2 SHEETS	STA. 199+70.73	TO STA. 208+44.4					



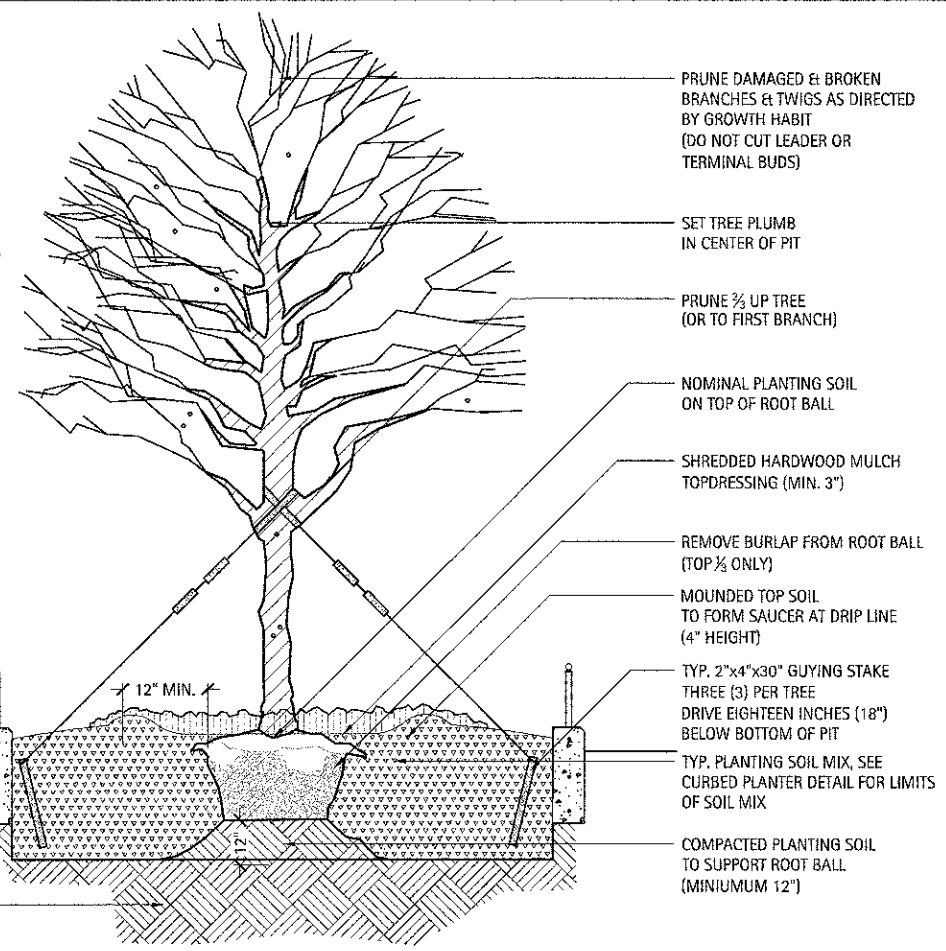
DECIDUOUS TREE PLANTING NOTES:  
ALL PRUNING MUST BE DONE AFTER PLANTING, AND AT THE DIRECTION OF THE LANDSCAPE ARCHITECT OR CITY/VILLAGE FORESTER. ROOT COLLAR SHALL BE SET SO THAT AFTER SOIL SETTLES, THE TOP OF THE BALL SHALL BE AT THE SAME ELEVATION AS FINISHED GRADE.

FINAL BALL ELEVATION AND PLANTER BED GRADING AS DIRECTED BY LANDSCAPE ARCHITECT. WHEN SOIL CONDITIONS ARE ENCOUNTERED WITH POOR DRAINAGE, LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR SHALL ELABORATE AND PREPARE RECOMMENDATIONS FOR SOLUTION TO PROBLEM.

TREE SUPPORTS (3 PER TREE) SHALL BE GALVANIZED TURNBUCKLES WITH DOUBLE-STRANDED TWELVE (12) GAUGE GALVANIZED WIRE TIES AT TWELVE INCH (12") INTERVALS. GUYS ARE OPTIONAL AT THE DISCRETION OF CITY/VILLAGE FORESTER.

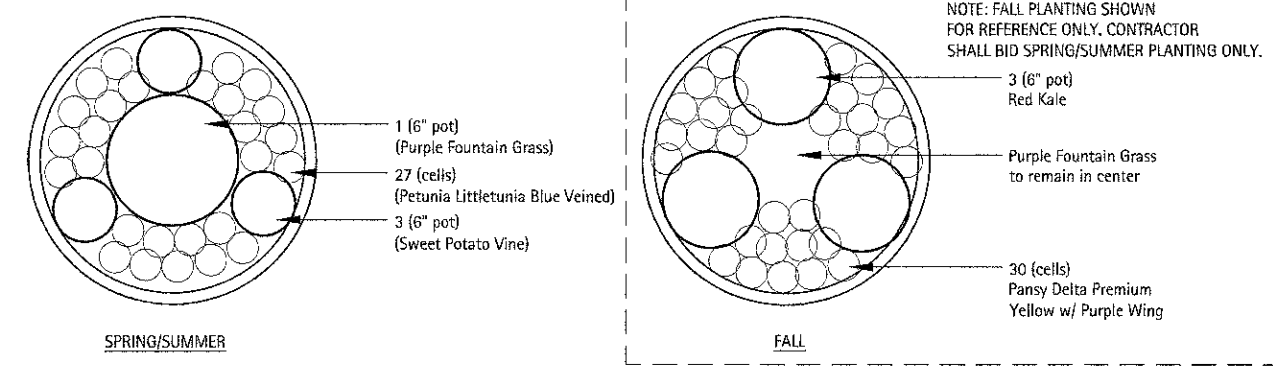
PROVIDE DRAINAGE DETAIL WHERE NECESSARY AS DICTATED BY SITE CONDITIONS. CONNECT TO STORM SYSTEM AS PER ENGINEER'S GRADING AND DRAINAGE PLANS.

STAKE TREES WITH THREE TO FOUR INCH (3-4") CALIPERS. DO NOT STAKE TREES WITH OVER FIVE INCH (5") CALIPERS.

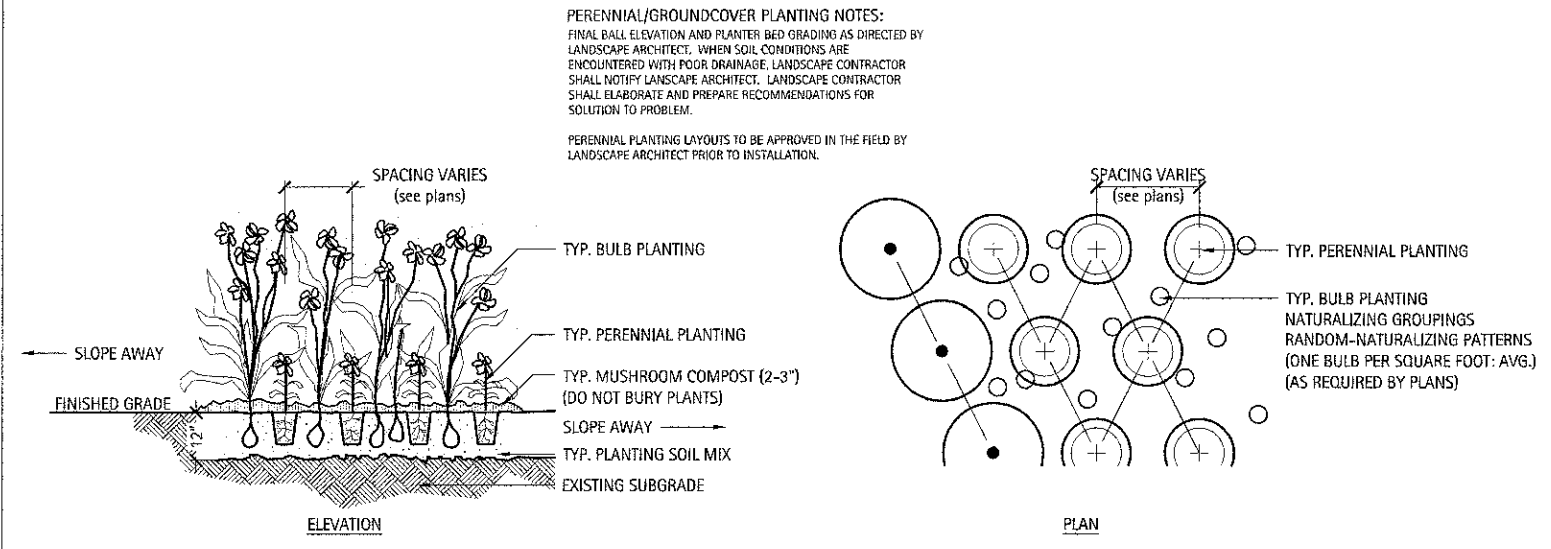


1 Typical Deciduous Tree Planting Detail In Raised Planter  
Scale: NTS

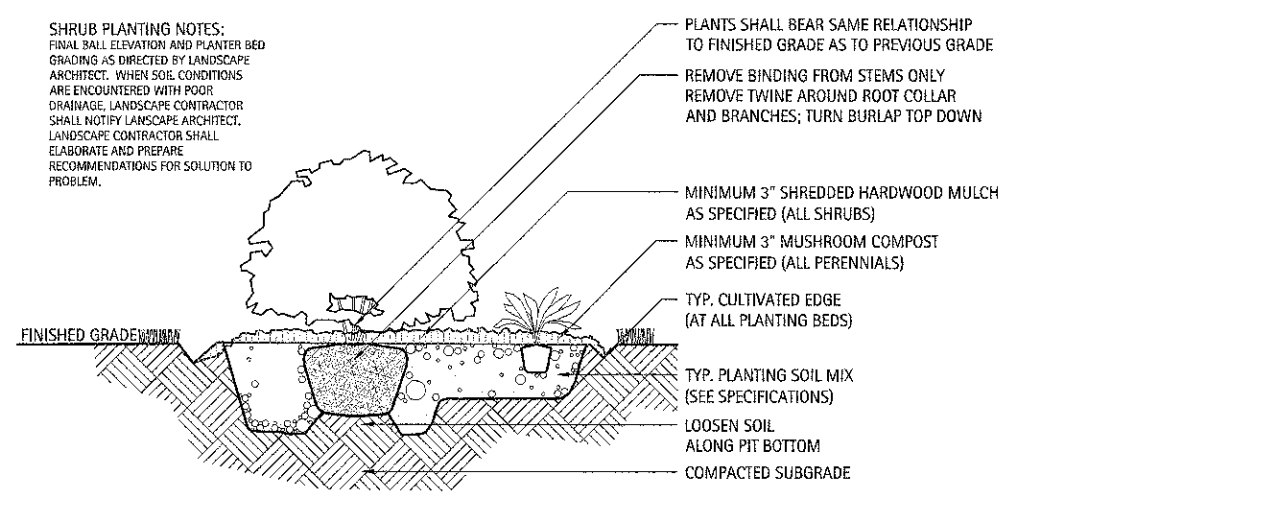
10005 - PARK RIDGE STREETScape PLANTING LIST					
Symbol	Qty	Botanic Name	Common Name	Size	Remarks
DECIDUOUS SHADE TREES					
AF 3	4	Acer x freemanii 'Autumn Blaze'	Freemanii Maple	3" caliper	B&B
GB 3	3	Ginkgo biloba	Ginkgo (Male)	3" caliper	B&B
PC 3	11	Pyrus calleryana 'Chanticleer'	Chanticleer Pear	3" caliper	B&B
UJA 3	4	Ulmus caprinifolia 'Accolade'	Accolade Elm	3" caliper	B&B
DECIDUOUS SHRUBS					
RK	12	Rosa 'Knockout'	Knockout Rose	3 gal.	
SJL	34	Spiraea japonica 'Lemon Princess'	Lemon Princess Spirea	18" ht.	
EVERGREEN SHRUBS					
BM	126	Buxus microphylla 'Wintergreen'	Wintergreen Boxwood	24" ht.	
PERENNIALS, ORNAMENTAL GRASSES					
ac	32	Astilbe chinensis var. pumila	Astilbe	1 gal.	12"
cas	6	Calamagrostis acutifolia 'Stricta'	Feather Reed Grass	1 gal.	-
hs	50	Hemerocallis 'Stella de Oro'	Yellow Daylily	1 gal.	15"
lsp	46	Liriope spicata	Lilyturf	1 gal.	16"
nm	225	Nepeta x mussini 'Blue Wonder'	Blue Wonder Catmint	1 gal.	18"
sh	30	Sporobolus heterolepis	Prairie Dropseed	1 gal.	18"
ANNUALS					
ps	25	Pennisetum setaceum 'Rubrum'	Purple Fountain Grass	6" pot	
pl	675	Petunia 'Littletonia Blue Vein'	Littletonia Blue Vein Petunia	Cell	
ib	75	Ipomoea batatas	Sweet Potato Vine	6" Pot	



3 Typical Annual Planting Detail In Moveable Planter  
Scale: NTS



2 Typical Groundcover & Perennial Planting Detail  
Scale: NTS



4 Typical Shrub Planting Detail In Open Lawn or Raised Planter  
Scale: NTS

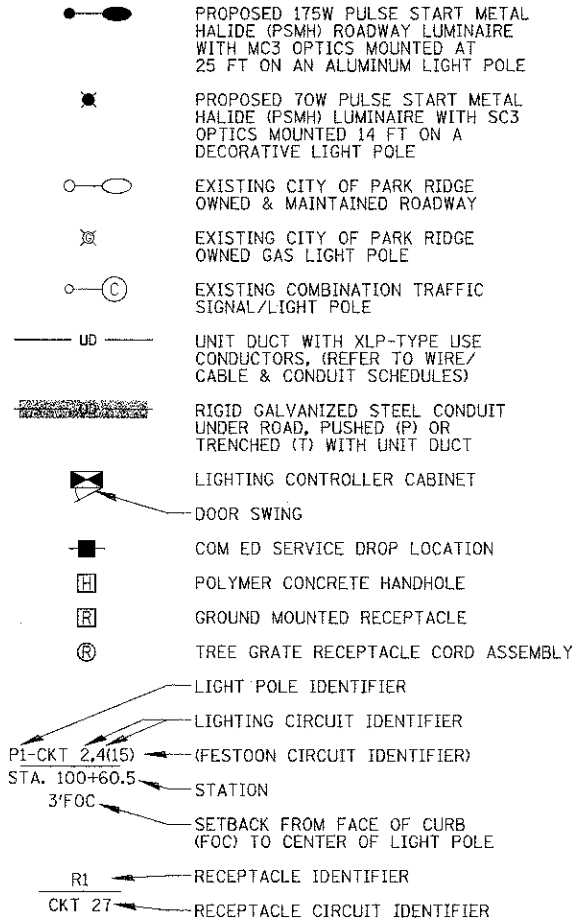
LIGHTING GENERAL NOTES

- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM THE CITY OF PARK RIDGE BEFORE THE START OF WORK, ANY COST FOR PERMIT SHALL BE INCIDENTAL.
- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT (800) 892-0123.
- BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
- THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION SHALL BE AWARDED.
- ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE AND LOCAL TIPPING FEE.
- ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THE WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
  - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.
  - "THE NATIONAL ELECTRICAL CODE".
  - MUNICIPAL CODES & STANDARDS.
- NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
- CAST A GROUND ROD INSIDE EVERY CONCRETE POLE FOUNDATION AND CONNECT TO THE POLE GROUNDING LUG VIA A #6 SOLID COPPER WIRE WITH A MECHANICAL CONNECTION AT THE GROUND ROD AND PIGTAIL SPlice INSIDE THE POLE HANDHOLE.
- THE INSTALLATION OF BURIED WARNING TAPE, SPECIFIED AS PART OF TRENCH FOR UNDERGROUND CONDUITS, SHALL BE REVIEWED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPlice/CONNECTION POINT. WIRE MARKERS SHALL BE WHITE NYLON WITH INTEGRAL MECHANICAL FASTENER WITH MINIMUM 3/4" X 1" WRITEABLE AREA.
- ALL UNDERGROUND WIRING SHALL BE MINIMUM #8 COPPER (OR SIZE AS SHOWN ON THE PLANS) XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, BURIED A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.
- LUMINAIRES SHALL BE LEVEL & HAVE A TIGHT FIT ON MAST ARMS TO THE ENGINEER'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE WHICH WILL BE INCIDENTAL TO THE COST OF THE CONTRACT.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
- ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
- EQUIPMENT GROUND CONDUCTORS SHALL BE SPliced AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. ALL UTILITIES SHALL BE LOCATED PRIOR TO MARKING PROPOSED LOCATIONS.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.
- UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLTION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND ALL COORDINATION WITH COM ED FOR NEW ELECTRIC SERVICE TO THE PROPOSED LIGHTING CONTROLLER.

LIGHTING BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	50
UNDERGROUND CONDUIT, GALVANIZED STEEL, 6" DIA.	FOOT	90
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3/4" DIA.	FOOT	235
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	980
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	1050
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	265
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA.	FOOT	1220
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1090
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	28270
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 250MCM	FOOT	230
LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 200 AMP	EACH	1
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	72
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1
RELOCATE EXISTING LIGHTING UNIT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
OUTLET SPECIAL	EACH	12
GFCI 20 AMP DUPLEX RECEPTACLE	EACH	10
ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	10
HANDHOLE (SPECIAL)	EACH	17
HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	1
HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH	4
LIGHT POLE FOUNDATION, SPECIAL	FOOT	60
LIGHTING UNIT COMPLETE, SPECIAL	EACH	9

LIGHTING LEGEND



ABBREVIATIONS

A	AMPS
CKT	CIRCUIT
DIA	DIAMETER
FT	FOOT
FOC	FACE OF CURB
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HDPE	HIGH DENSITY POLYETHYLENE
HH	HAND HOLE
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
ROW	RIGHT OF WAY
STA	STATION
V	VOLTS
W	WATTS

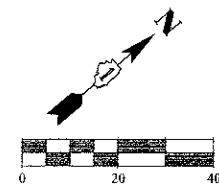
CAUTION  
NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

THE CITY OF PARK RIDGE WILL OWN AND MAINTAIN THE PROPOSED LIGHTING SYSTEM.

FILE NAME = 31.N07_1192362.dwg	USER NAME = agor1000	DESIGNED <i>AJD</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING GENERAL NOTES AND BILL OF MATERIALS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	CONTRACT NO. 63723
		DRAWN <i>KB, KWB</i>	REVISED -							10-00149-00-LS	COOK	69	39	
	PLOT SCALE = 20'	CHECKED <i>AJD</i>	REVISED -											
	PLOT DATE = 3/21/2013	DATE <i>8/14/2012</i>	REVISED -											
SCALE: N.T.S.					SHEET	OF	SHEETS	STA.	TO STA.					

**CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500



PARK RIDGE PUBLIC LIBRARY

MATCH LINE STA. 100+50

EXISTING CITY OWNED ROADWAY  
LIGHT POLE TO REMAIN, TYP.

EXISTING  
ROW, TYP.

EXISTING CITY OWNED PEDESTRIAN  
LIGHT POLE TO REMAIN, TYP.

PROSPECT AVE.

101+00

102+00

103+00

104+00

105+00

EXISTING GAS LIGHT POLE TO  
BE REMOVED (SEE REMOVAL  
PLAN FOR DETAILS), TYP.

EXISTING (2) EMPTY  
CONCRETE HANDHOLES  
TO BE REMOVED

EXISTING  
ROW, TYP.

LIGHTING REMOVAL  
PROJECT LIMITS

UPTOWN RETAIL AND  
COMMERCIAL DEVELOPMENTS

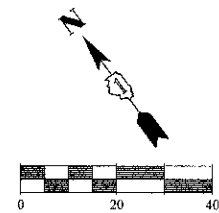
PICKWICK  
THEATRE

REMOVAL LEGEND

- EXISTING CITY OF PARK  
RIDGE OWNED ROADWAY  
LIGHT POLE
- EXISTING CITY OF PARK  
RIDGE OWNED PEDESTRIAN  
LIGHT POLE
- EXISTING CITY OF PARK  
RIDGE OWNED GAS LIGHT  
POLE
- EXISTING COMBINATION  
TRAFFIC SIGNAL/LIGHT  
POLE TO REMAIN
- INDICATES EXISTING ITEMS  
TO BE REMOVED
- EXISTING ELECTRIC
- EXISTING CABLES/CONDUIT  
TO BE ABANDONED
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATERMAIN
- EXISTING OVERHEAD WIRES
- EXISTING GAS LINE

NOTES:

- CONTRACTOR SHALL REMOVE LIGHT POLE AT THE LOCATION SHOWN ON PLANS  
AND RETURN TO THE CITY OF PARK RIDGE PUBLIC WORKS. ALL ELECTRIC CABLES  
CONNECTED TO EXISTING LIGHT POLES SHALL BE DISCONNECTED AT POWER SOURCE  
AND ABANDONED IN THE CONDUIT. POLE SHALL NOT BE REMOVED UNTIL PROPOSED  
LIGHTING IS INSTALLED AND OPERATIONAL.
- EXISTING CONDUIT & CABLES SHALL BE DISCONNECTED AND REMOVED TO 1 FT.  
BELOW GRADE AND ABANDONED IN ACCORDANCE WITH ARTICLE 842 OF THE  
STANDARD SPECIFICATIONS. THE CONTRACTOR MAY ELECT TO REMOVE EXISTING  
CABLES AND SALVAGE AT NO ADDITIONAL COST TO THE OWNER.



MATCH LINE STA. 100+50

PROSPECT  
AVE.

EXISTING (2) EMPTY  
CONCRETE HANDHOLES  
TO BE REMOVED

UPTOWN RETAIL AND  
COMMERCIAL DEVELOPMENTS

EXISTING LIGHTPOLE  
TO REMAIN

EXISTING GAS LIGHT POLE TO  
BE REMOVED (SEE REMOVAL  
PLAN FOR DETAILS), TYP.

EXISTING (2) EMPTY  
CONCRETE HANDHOLES  
TO BE REMOVED

ALLEY  
WAY

EXISTING CONCRETE  
HANDHOLE TO REMAIN

EUCLID  
AVE.

EXISTING  
PROPERTY  
LINE

EXISTING LIGHTING  
TO THE WEST,  
TO REMAIN

LIGHTING REMOVAL  
PROJECT LIMITS

BOP Sta = 100+00.00

EXISTING  
ROW, TYP.

SUMMIT AVE.

201+00

202+00

203+00

204+00

EXISTING 25' DIRECT BURY  
CONCRETE LIGHT POLE TO  
BE REMOVED (NOTES 1 & 2)

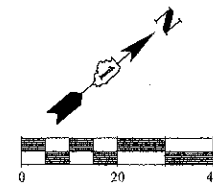
LIGHTING REMOVAL  
PROJECT LIMITS

BOP Sta = 10+00.00

METRA OFF-STREET  
COMMUTER PARKING LOT

METRA UNION PACIFIC NORTHWEST LINE

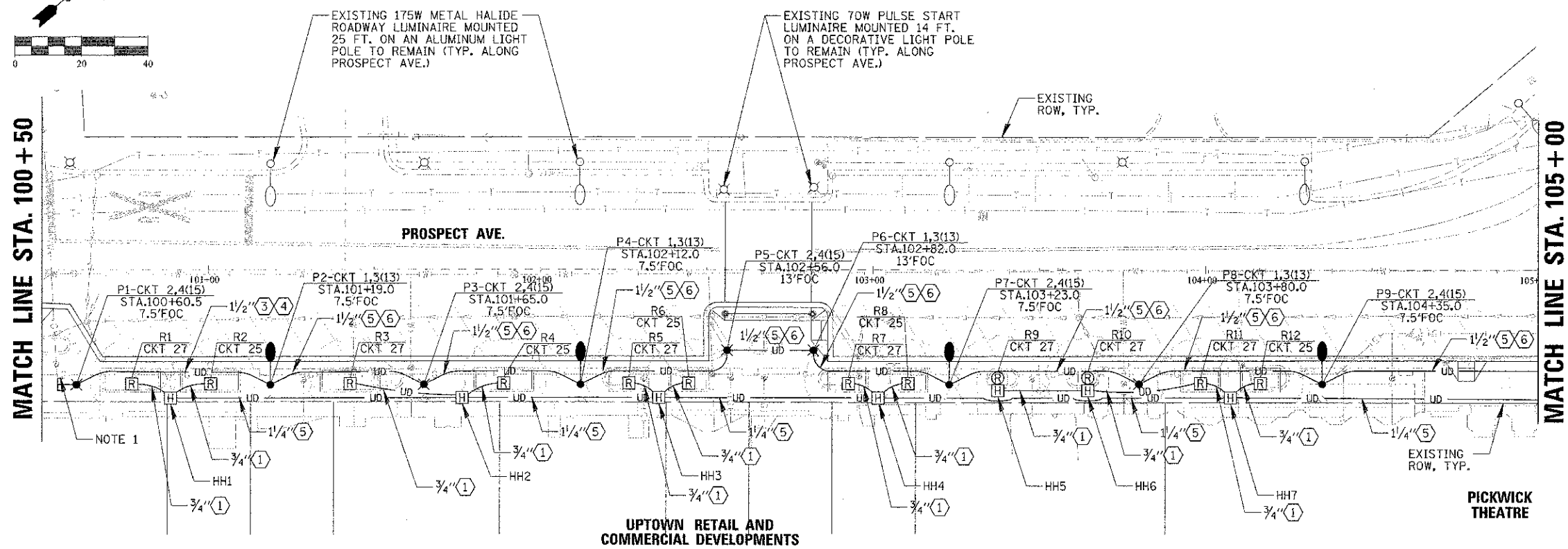
FILE NAME - #2_L07_100382.dwt	USER NAME - adamcarr	DESIGNED AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING REMOVAL PLAN (1 OF 1) PROSPECT AVENUE				F.A. RTE.	SECTION 10-00149-00-LS	COUNTY COOK	TOTAL SHEETS 69	SHEET NO. 40
		DRAWN KB, KWB	REVISED -										
	PLT SCALE = 20'	CHECKED AJD	REVISED -										
	PLT DATE = 3/21/2013	DATE 8/14/2012	REVISED -										
					SCALE: 1"=20'	SHEET	OF	SHEETS: STA.	TO STA.	CONTRACT NO. 63723 (ILLINOIS) FED. AID PROJECT			



PARK RIDGE PUBLIC LIBRARY

MATCH LINE STA. 100 + 50

MATCH LINE STA. 105 + 00

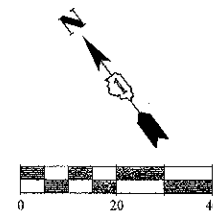


CONDUCTOR SCHEDULE

- (E) EMPTY WITH PULL ROPE  
(1) 1/C #10, 1/C #10 N, & 1/C #10 GND  
(2) 2/C #10, 1/C #10 N, & 1/C #10 GND  
(3) 1/C #6, 1/C #6 N, & 1/C #6 GND  
(4) 2/C #6  
(5) 2/C #6, 1/C #6 N, & 1/C #6 GND  
(6) 4/C #6  
(7) 2/C #6, 2/C #6 N, & 1/C #6 GND
- NOTE: SEE PANELBOARD SCHEDULE FOR BRANCH CIRCUIT WIRE COLORS

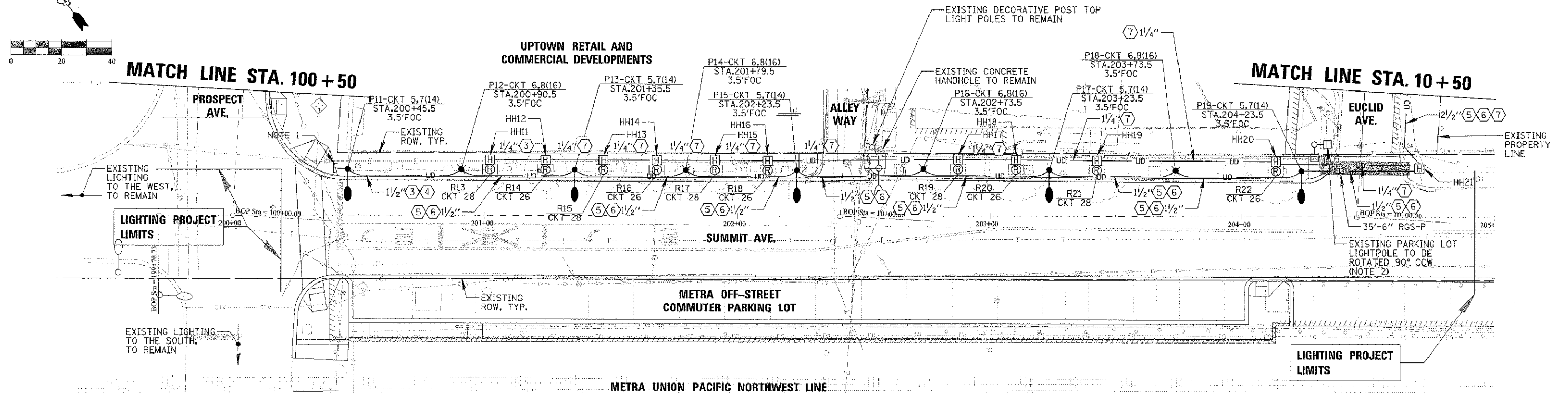
NOTES:

1. ALL POLE FOUNDATIONS SHALL HAVE A MINIMUM OF 2 RACEWAYS, END OF RUN POLES SHALL HAVE A SPARE RACEWAY CAPPED BELOW GRADE AND MARKED WHICH SIDE OF POLE IT IS LOCATED.
2. PAID FOR UNDER "RELOCATE EXISTING LIGHTING UNIT. POLE SHALL NOT BE ROTATED UNTIL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL.

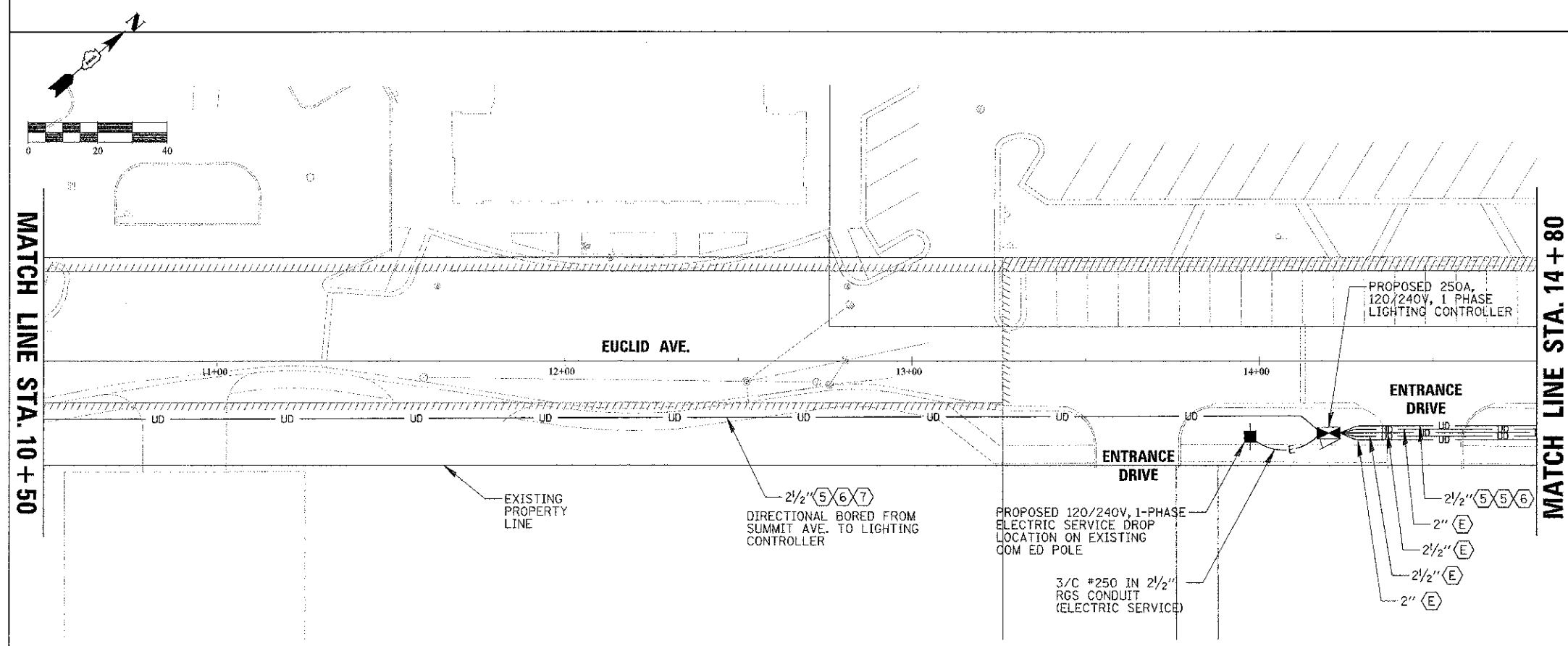
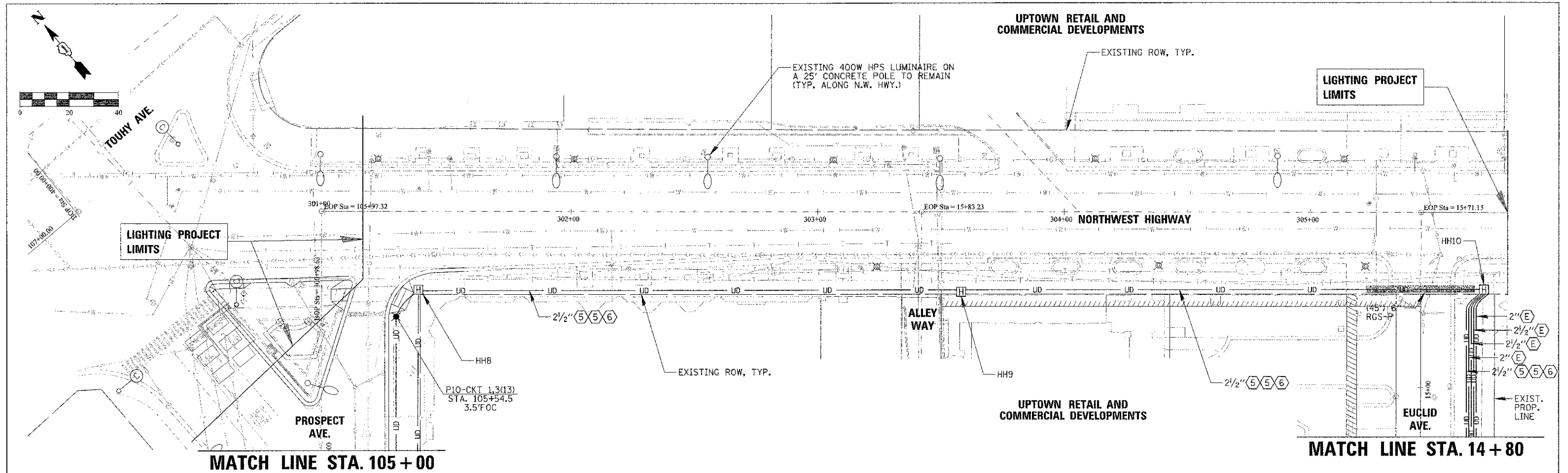


MATCH LINE STA. 100 + 50

MATCH LINE STA. 10 + 50



FILE NAME = E3.L07.128362.dht	USER NAME = adrian200	DESIGNED AJO DRAWN KB, KWD CHECKED AJO DATE 8/14/2012	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN (1 OF 2) PROSPECT AVENUE SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.	CHRISTOPHER B. BURKE ENGINEERING, LTD. 8575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. CONTRACT NO. 63723
	PLOT SCALE = 2"	PLOT DATE = 3/21/2013				ILLINOIS FED. AID PROJECT	10-00149-00-LS COOK 69 41



## CONDUCTOR SCHEDULE

- (E) EMPTY WITH PULL ROPE
- (1) 1/C #10, 1/C #10 N, & 1/C #10 GND
- (2) 2/C #10, 1/C #10 N, & 1/C #10 GND
- (3) 1/C #6, 1/C #6 N, & 1/C #6 GND
- (4) 2/C #6
- (5) 2/C #6, 1/C #6 N, & 1/C #6 GND
- (6) 4/C #6
- (7) 2/C #6, 2/C #6 N, & 1/C #6 GND

NOTE: SEE PANELBOARD SCHEDULE FOR BRANCH CIRCUIT WIRE COLORS

## NOTES:

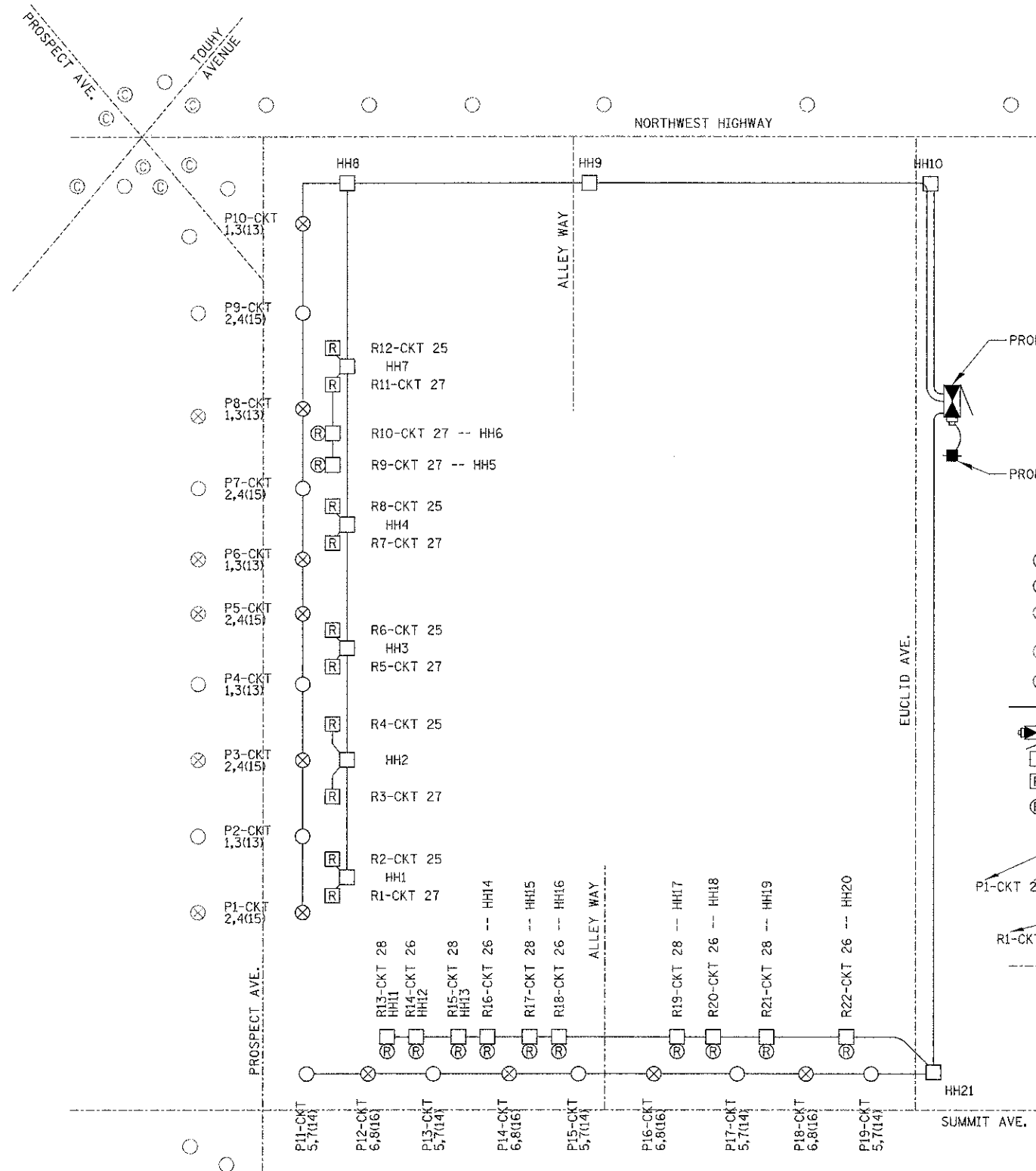
1. ALL POLE FOUNDATIONS SHALL HAVE A MINIMUM OF 2 RACEWAYS. END OF RUN POLES SHALL HAVE A SPARE RACEWAY CAPPED BELOW GRADE AND MARKED WHICH SIDE OF POLE IT IS LOCATED.

FILE NAME : 04.LS1_100302.dwg	USER NAME : jburke	DESIGNED AJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN (2 OF 2) NORTHWEST HIGHWAY	SCALE: 1"=20'	SHEET OF SHEETS STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN KB, KWB	REVISED -						10-00149-00-LS	COOK	69	42
		CHECKED AJO	REVISED -					CONTRACT NO. 63723				
		DATE 8/14/2012	REVISED -					ILLINOIS FED. AID PROJECT				

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9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500







### ONE LINE CIRCUIT DIAGRAM

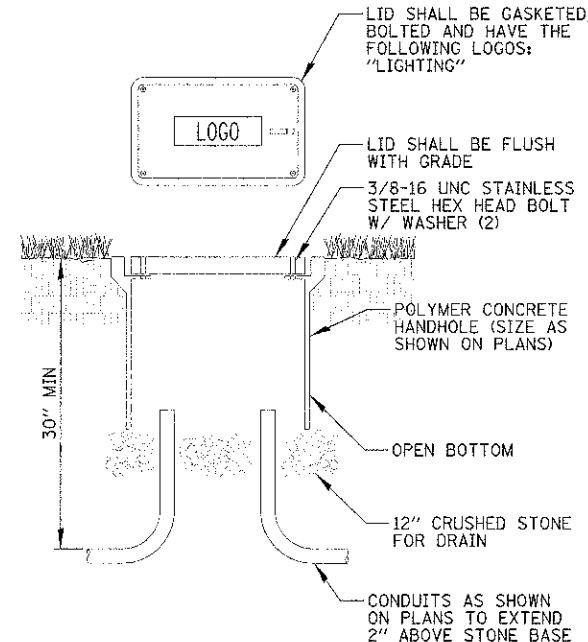
N.T.S.

### HANDHOLE SCHEDULE

ID #	SIZE
HH1-HH7 HH11-HH20	12"x12"x12" DEEP
HH8 HH9 HH21	11"x18"x18" DEEP
HH10	17"x30"x24" DEEP

### LEGEND

- ROADWAY LIGHT POLE
- DECORATIVE LIGHT POLE
- EXISTING COMBINATION TRAFFIC SIGNAL LIGHT POLE
- EXISTING ROADWAY LIGHT POLE
- EXISTING DECORATIVE LIGHT POLE
- ELECTRIC LINE
- CONTROLLER
- HANDHOLE
- GROUND MOUNTED RECEPTACLE
- TREE GRATE RECEPTACLE
- LIGHT POLE NUMBER
- LIGHTING CIRCUIT IDENTIFIER
- (FESTOON CIRCUIT IDENTIFIER)
- RECEPTACLE NUMBER
- RECEPTACLE CIRCUIT IDENTIFIER
- ROADWAY

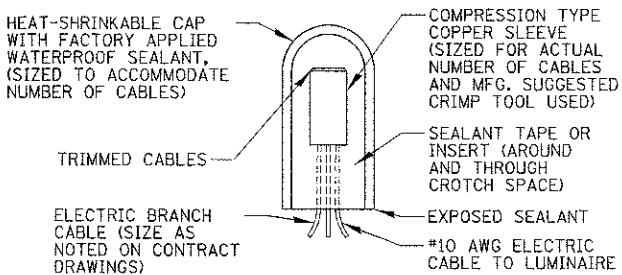


### NOTES:

- ALL SPLICES SHALL BE WATERPROOF. SEE SPLICING DETAIL.
- POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREY.
- BOX & LID SHALL MEET/EXCEED ANSI TIER 15 LOADING REQUIREMENTS, AND BE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/SC17.77 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND THE PROVISIONS OF PARAGRAPHS 5.2.3 AND 5.2.4 OF WESTERN UNDERGROUND COMMITTEE GUIDE 3.6.

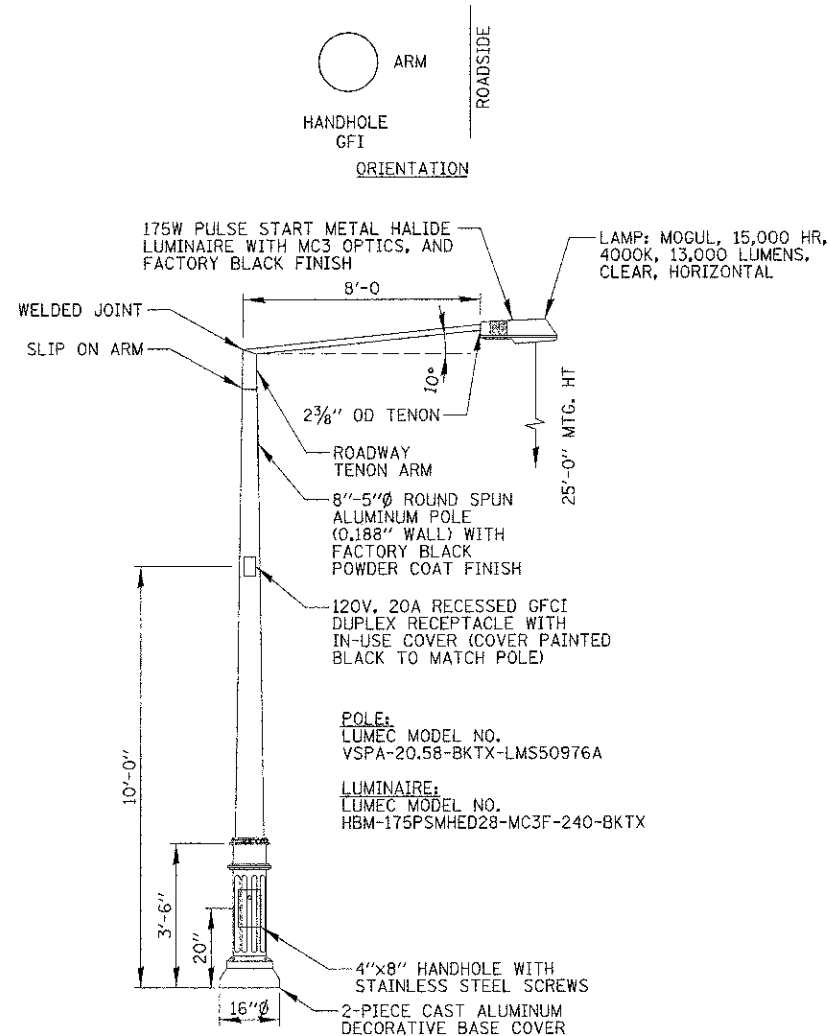
### POLYMER CONCRETE HANDHOLE

N.T.S.



### SPlicing ELECTRIC CABLE

N.T.S.

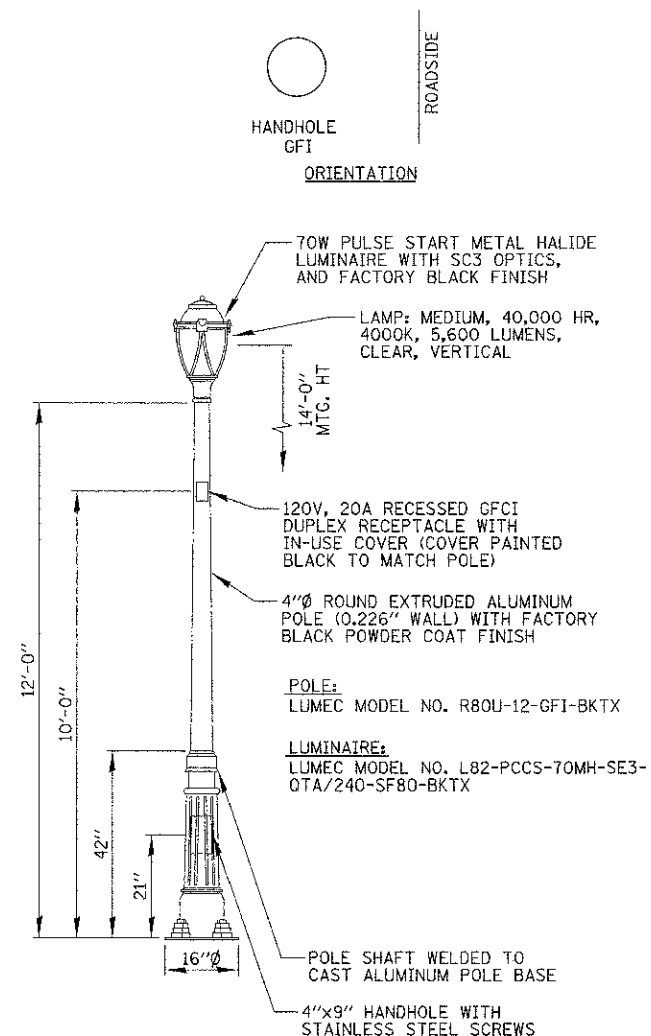


NOTES:

- ALL LIGHT POLES SHALL BE CLASSIFIED OR LISTED BY U.L., E.T.L., OR APPROVED EQUAL O.S.H.A. EQUIVALENT TESTING LABORATORY.

## ROADWAY LIGHTPOLE DETAIL

N.T.S.



NOTES:

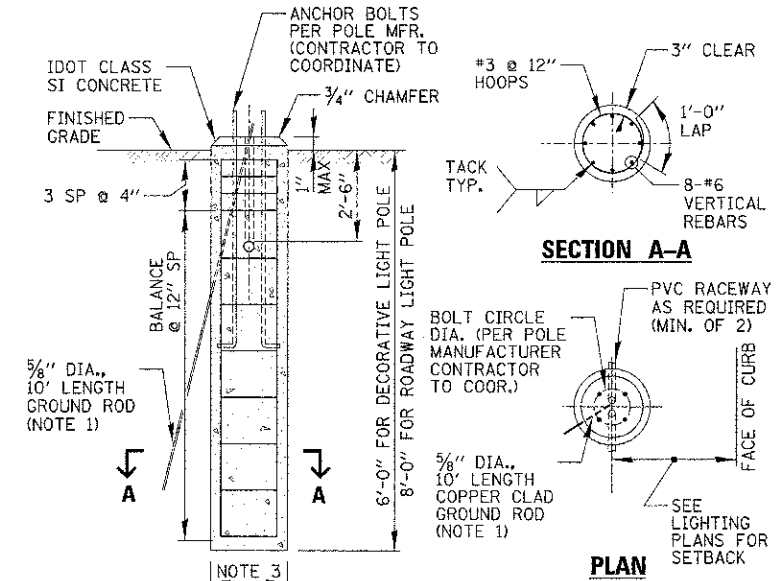
- ALL LIGHT POLES SHALL BE CLASSIFIED OR LISTED BY U.L., E.T.L., OR APPROVED EQUAL O.S.H.A. EQUIVALENT TESTING LABORATORY.

## DECORATIVE LIGHTPOLE DETAIL

N.T.S.

## LUMINAIRE AND POLE SCHEDULE

LIGHT POLE IDENTIFIER	POLE TYPE	SYMBOL	LUMINAIRES				FESTOON RECEPTACLES		LIGHT POLE FOUNDATION
			ROADWAY		PEDESTRIAN		WATTAGE	CKT ID	
			WATTAGE	CKT ID	WATTAGE	CKT ID			
P1	DECORATIVE		-	-	70W	2,4	180W	15	CONCRETE
P2	ROADWAY		175W	1,3	-	-	180W	13	CONCRETE
P3	DECORATIVE		-	-	70W	2,4	180W	15	CONCRETE
P4	ROADWAY		175W	1,3	-	-	180W	13	CONCRETE
P5	DECORATIVE		-	-	70W	2,4	180W	15	CONCRETE
P6	DECORATIVE		-	-	70W	1,3	180W	13	CONCRETE
P7	ROADWAY		175W	2,4	-	-	180W	15	CONCRETE
P8	DECORATIVE		-	-	70W	1,3	180W	13	CONCRETE
P9	ROADWAY		175W	2,4	-	-	180W	15	CONCRETE
P10	DECORATIVE		-	-	70W	1,3	180W	13	CONCRETE
P11	ROADWAY		175W	5,7	-	-	180W	14	CONCRETE
P12	DECORATIVE		-	-	70W	6,8	180W	16	CONCRETE
P13	ROADWAY		175W	5,7	-	-	180W	14	CONCRETE
P14	DECORATIVE		-	-	70W	6,8	180W	16	CONCRETE
P15	ROADWAY		175W	5,7	-	-	180W	14	CONCRETE
P16	DECORATIVE		-	-	70W	6,8	180W	16	CONCRETE
P17	ROADWAY		175W	5,7	-	-	180W	14	CONCRETE
P18	DECORATIVE		-	-	70W	6,8	180W	16	CONCRETE
P19	ROADWAY		175W	5,7	-	-	180W	14	CONCRETE

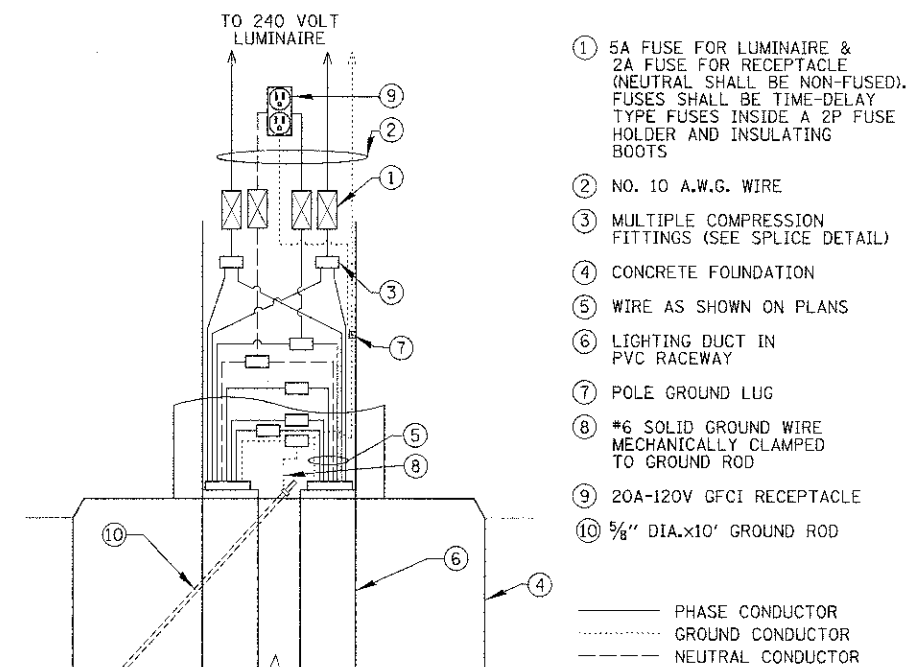


NOTES:

- GROUND ROD SHALL BE CAST INTO CONCRETE FOUNDATION WITH 8 FEET IN CONTACT WITH SOIL.
- FOUNDATIONS SHALL BE VIBRATED IN ACCORDANCE WITH IDOT STANDARD PRACTICES.
- DIAMETER OF CONCRETE FOUNDATIONS SHALL BE 18" DIA. FOR DECORATIVE LIGHT POLES, AND 24" DIA. FOR ROADWAY LIGHT POLES.
- ALL ABOVE ITEMS INCLUDING CONCRETE, GROUND ROD, REINFORCEMENT, RACEWAYS AND FORMWORK SHALL BE INCLUDED IN THE "LIGHT POLE FOUNDATION" PAY ITEM.
- 24" FOUNDATIONS PAID FOR UNDER "LIGHT POLE FOUNDATION, 24" DIAMETER". 18" FOUNDATION PAID FOR UNDER "LIGHT POLE FOUNDATION, SPECIAL".

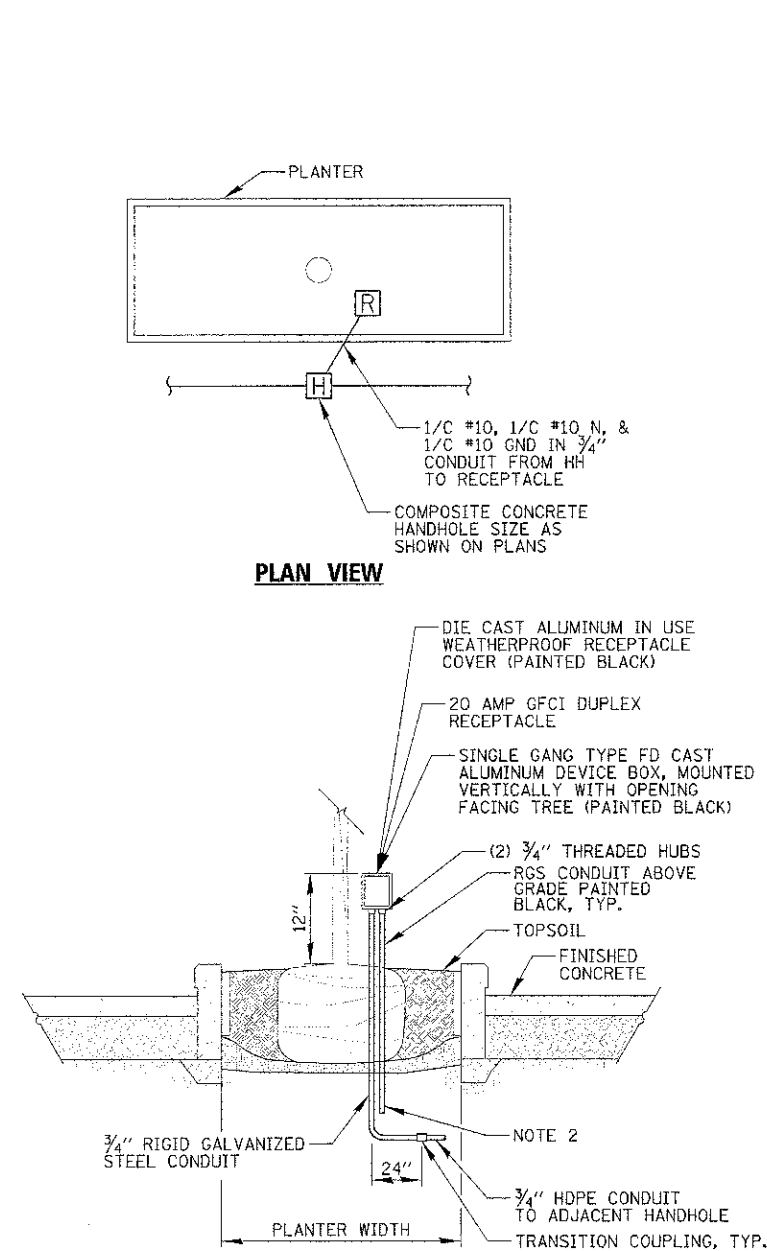
## CONCRETE FOUNDATION DETAIL

N.T.S.

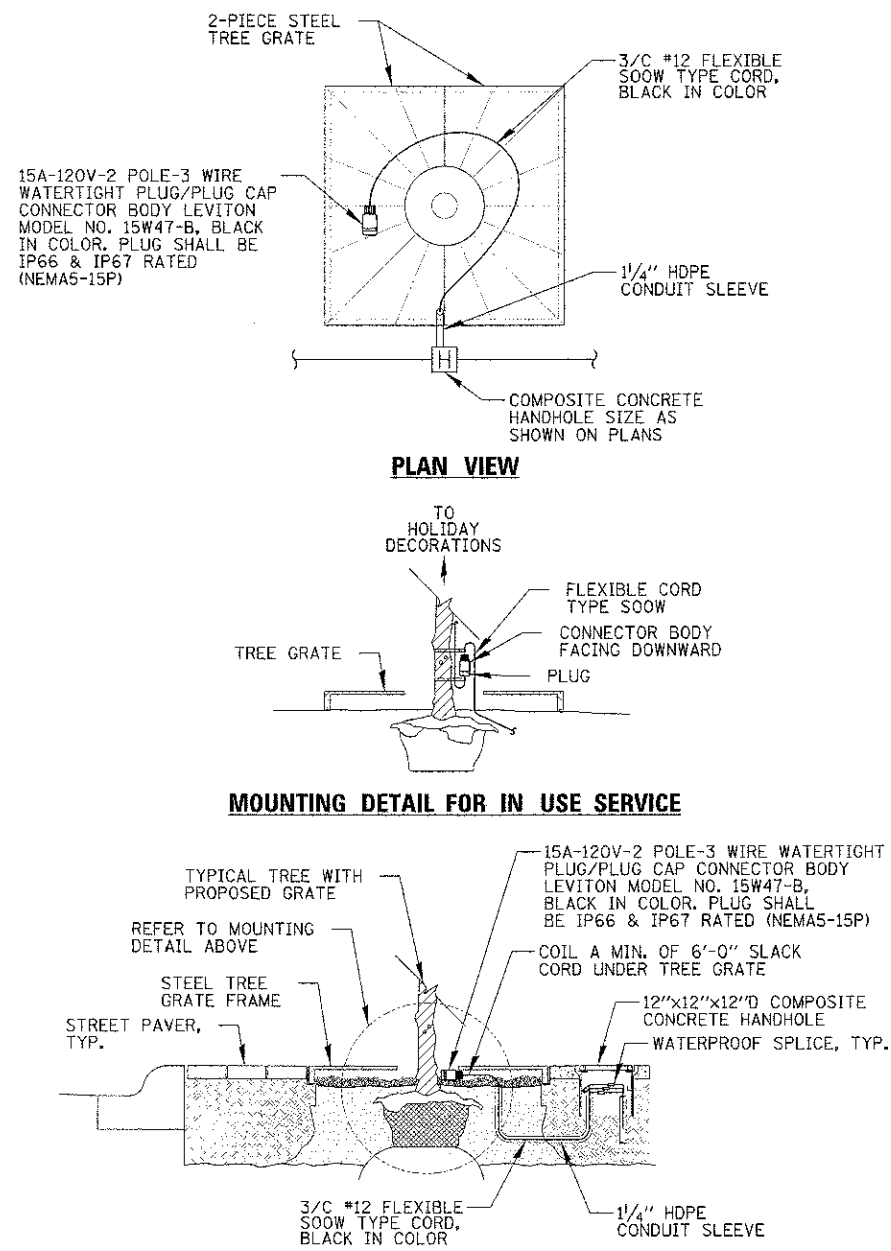


## LIGHT POLE HANDHOLE WIRING DIAGRAM

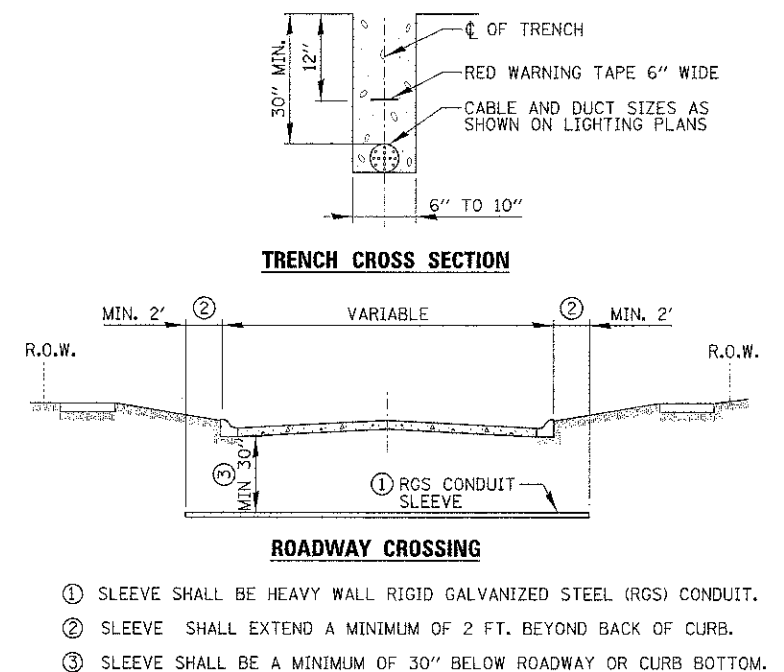
N.T.S.



**PLANTER BOX TREE  
RECEPTACLE DETAIL**  
N.T.S.



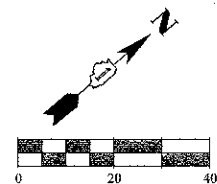
**TREE GRATE RECEPTACLE  
CORD ASSEMBLY DETAIL**  
N.T.S.



**ELECTRIC CONDUIT INSTALLATION**  
N.T.S.

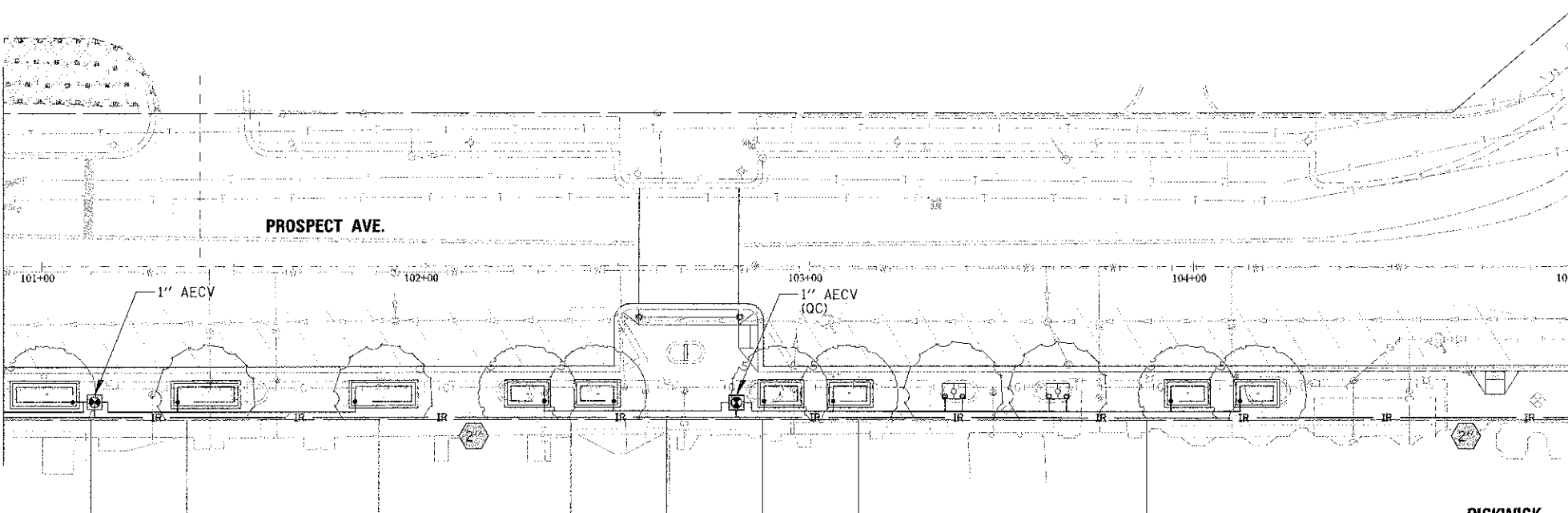
FILE NAME : 80.LDT.108362.dwt	USER NAME : oederico	DESIGNED AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING DETAILS (4 OF 4)	SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN KB, KWB	REVISED -					10-00149-00-LS	COOK	69	46
	PLOT SCALE = 20"	CHECKED AJD	REVISED -				CONTRACT NO. 63723				
	PLOT DATE = 2/2/2013	DATE 8/14/2012	REVISED -				ILLINOIS DIVISION OF HIGHWAYS				
							ALL INDISTINGUISHED AND PROJECT				

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Rosemont, Illinois 60018  
(847) 823-0500



MATCH LINE STA. 100 + 90

MATCH LINE STA. 105 + 00



## IRRIGATION LEGEND

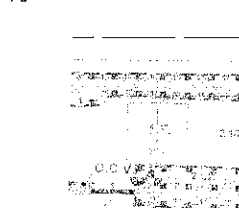
- IR IRRIGATION MAIN LINE, SDR 21 PVC PIPE (SIZE AS SHOWN) WITH 2 SETS OF (2/C #14 CONTROL CABLES) IN 1" SCH 40 PVC CONDUIT
- IRRIGATION BRANCH LINE, 1", SDR 21 PVC PIPE
- IRRIGATION DRIPLINE TUBING WITH EMITTERS SPACED AT 12" OC
- TREE ROOT WATERING SYSTEM
- MANUAL ISOLATION VALVE IN VALVE BOX (MIV)
- AUTOMATIC ELECTRIC CONTROL VALVE IN VALVE BOX (AECV)
- (QC) QUICK COUPLER
- 6" RIGID GALVANIZED STEEL SLEEVE
- IRRIGATION MAINLINE PIPING SIZE

## IRRIGATION BILL OF MATERIALS

Description	Unit	Quantity
IRRIGATION SYSTEM SPECIAL	L SUM	1

EXISTING ABOVE GRADE IRRIGATION CONTROLLER BOX (HUNTER #ACC-99DSS). CONTRACTOR TO MODIFY EXISTING IRRIGATION CONTROLLER TO ACCOMMODATE 16 NEW DECODERS

TIE INTO EXISTING 2 1/2" IRRIGATION LINE

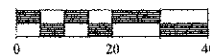


REMOVE AND REINSTALL BRICKWORK AS REQUIRED FOR INSTALLATION OF NEW PIPE

MATCH LINE STA. 100 + 90

PROSPECT AVE.

UPTOWN RETAIL AND COMMERCIAL DEVELOPMENTS



### NOTES:

1. INSTALL IRRIGATION LINE THROUGH 6" RGS SLEEVE UNDER ROAD. (SHARED WITH LIGHTING CONDUIT). SLEEVE INSTALLED BY LIGHTING CONTRACTOR.

ALLEY WAY

TWO (2" MIV) IN ONE VALVE BOX

TREE ROOT WATERING SYSTEM, TYP.

SUMMIT AVE.

METRA OFF-STREET COMMUTER PARKING LOT

METRA UNION PACIFIC NORTHWEST LINE

MATCH LINE STA. 10 + 50

SUMMIT AVE.

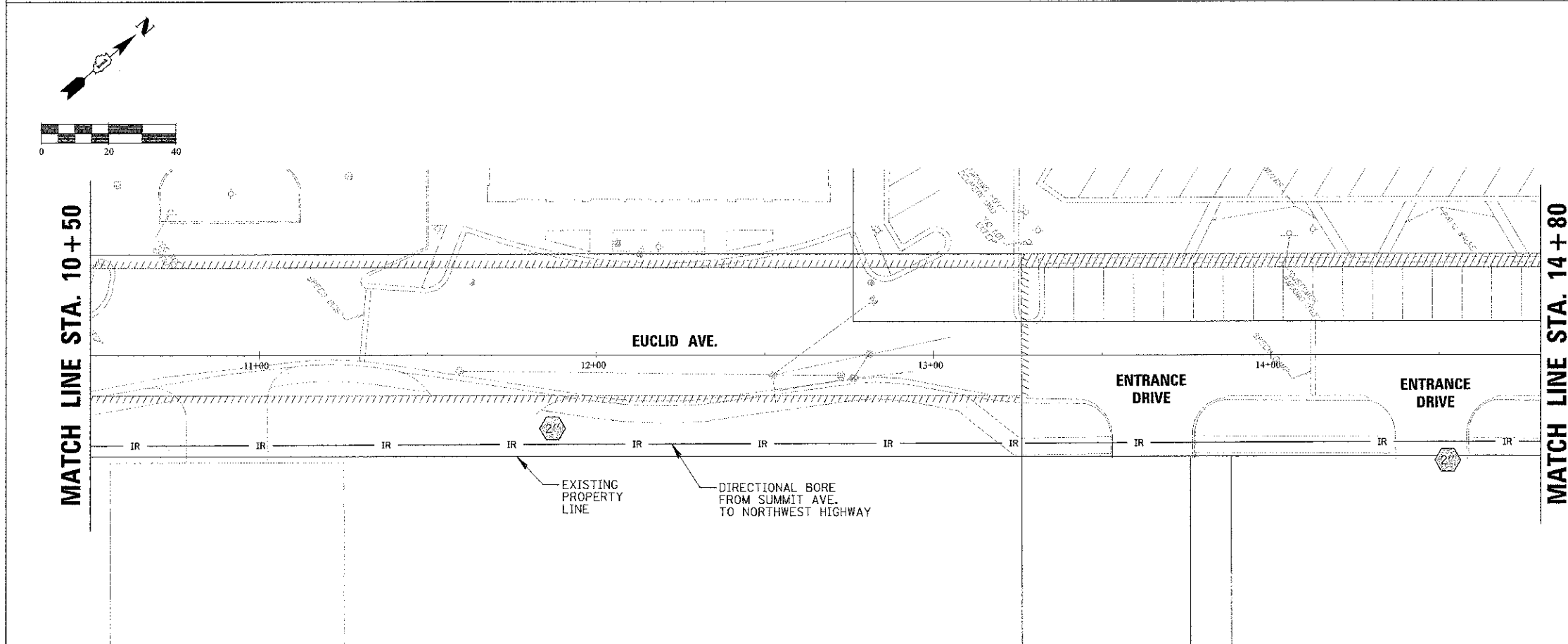
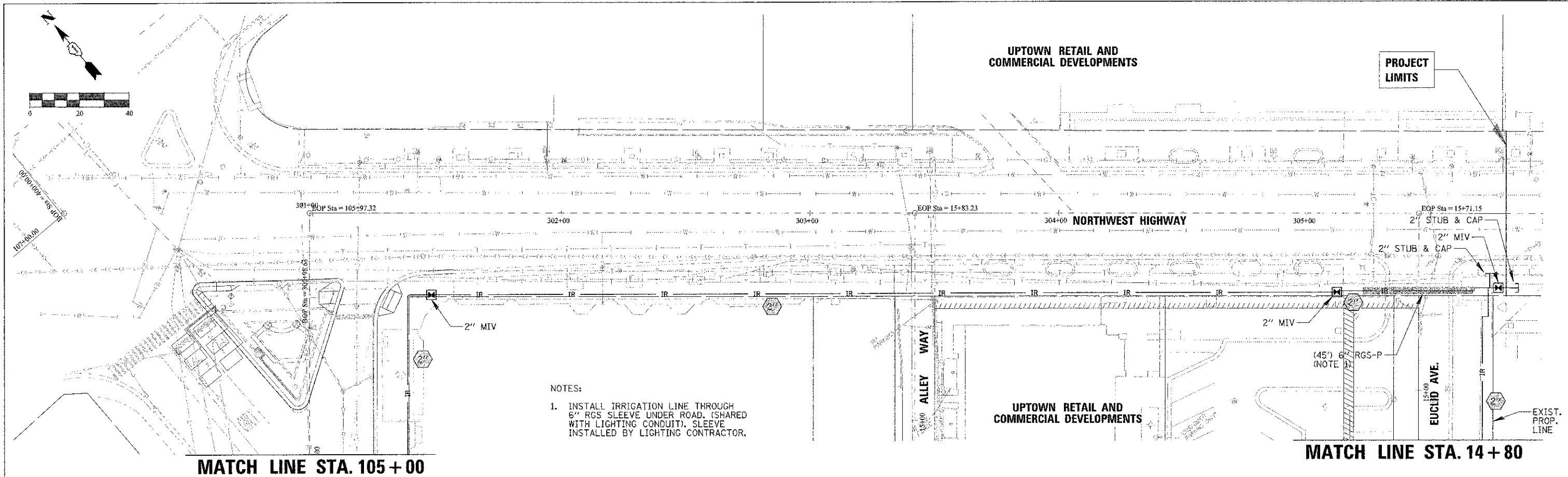
EXIST. PROP. LINE  
2" MIV

1" AECV

(35') 6" RGS-P (NOTE 1)

FILE NAME: 09-IRN-00362.dwg	USER NAME: tburke@cbbe.com	DESIGNED: JPC	DRAWN: KWB	CHECKED: JPC	DATE: 8/14/2012	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IRRIGATION PLAN (1 OF 2) PROSPECT AVENUE & SUMMIT AVENUE	SCALE:	SHEET 09	SHEETS: 24	TO STA.	CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	F.A. RTL	SECTION 10-00149-00-L5	COUNTY COOK	TOTAL SHEETS 69	SHEET NO. 47	CONTRACT NO. 63723	ILLINOIS FED. AID PROJECT
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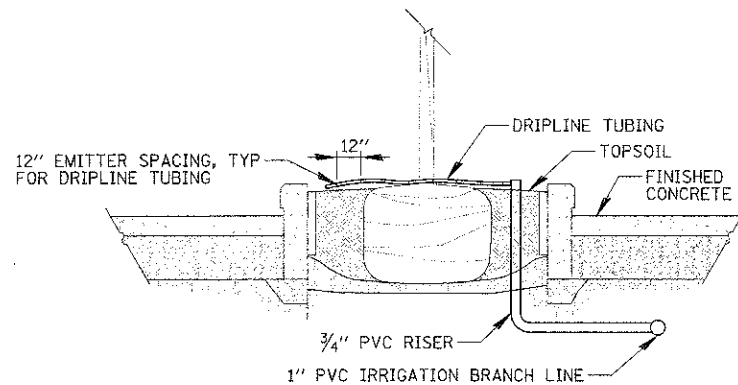




- IRRIGATION LEGEND**
- IR IRRIGATION MAIN LINE, SDR 21 PVC PIPE (SIZE AS SHOWN) WITH 2 SETS OF (2/C #14 CONTROL CABLES) IN 1" SCH 40 PVC CONDUIT
  - IRRIGATION BRANCH LINE, 1", SDR 21 PVC PIPE
  - IRRIGATION DRIPLINE TUBING WITH EMITTERS SPACED AT 12" OC
  - TREE ROOT WATERING SYSTEM
  - MANUAL ISOLATION VALVE IN VALVE BOX (MIV)
  - AUTOMATIC ELECTRIC CONTROL VALVE IN VALVE BOX (AECV)
  - (QC) QUICK COUPLER
  - 6" RIGID GALVANIZED STEEL SLEEVE
  - IRRIGATION MAINLINE PIPING SIZE

**IRRIGATION  
BILL OF MATERIALS**

Description	Unit	Quantity
IRRIGATION SYSTEM SPECIAL	L SUM	

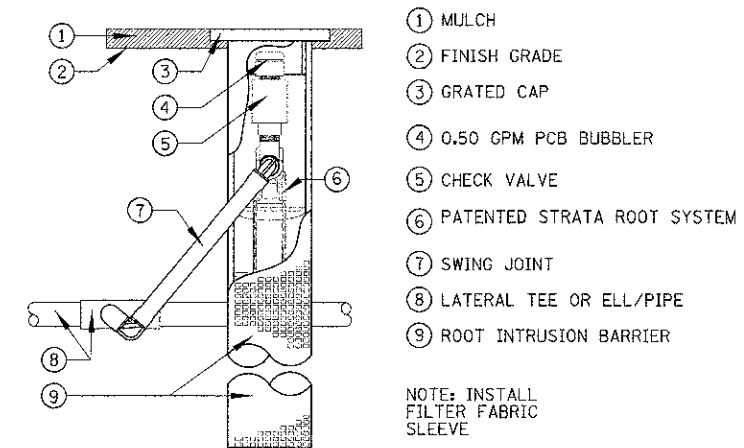


**NOTES:**

1. CONTRACTOR SHALL COORDINATE IRRIGATION PIPING WITH PROPOSED ELECTRICAL EQUIPMENT LOCATED INSIDE PLANTER BOXES.

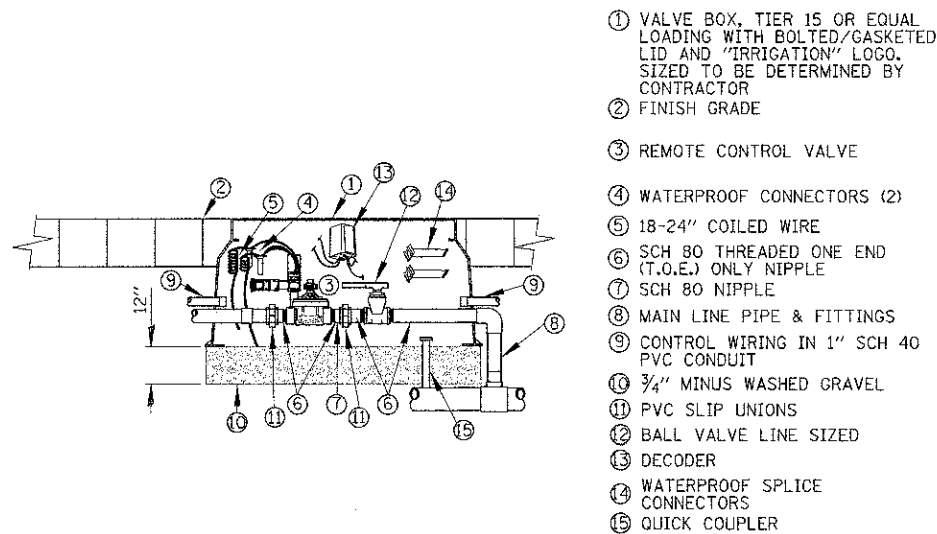
**PLANTER BOX IRRIGATION DETAIL**

N.T.S.



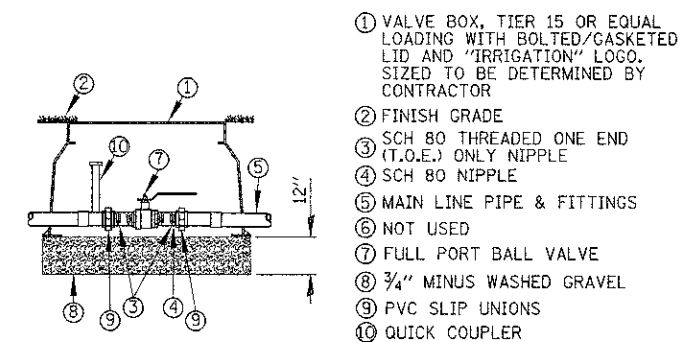
**18" ROOT ZONE WATERING SYSTEM**

N.T.S.



**AUTOMATIC ELECTRIC CONTROL VALVE  
WITH ISOLATION VALVE DETAIL**

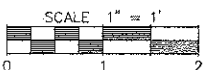
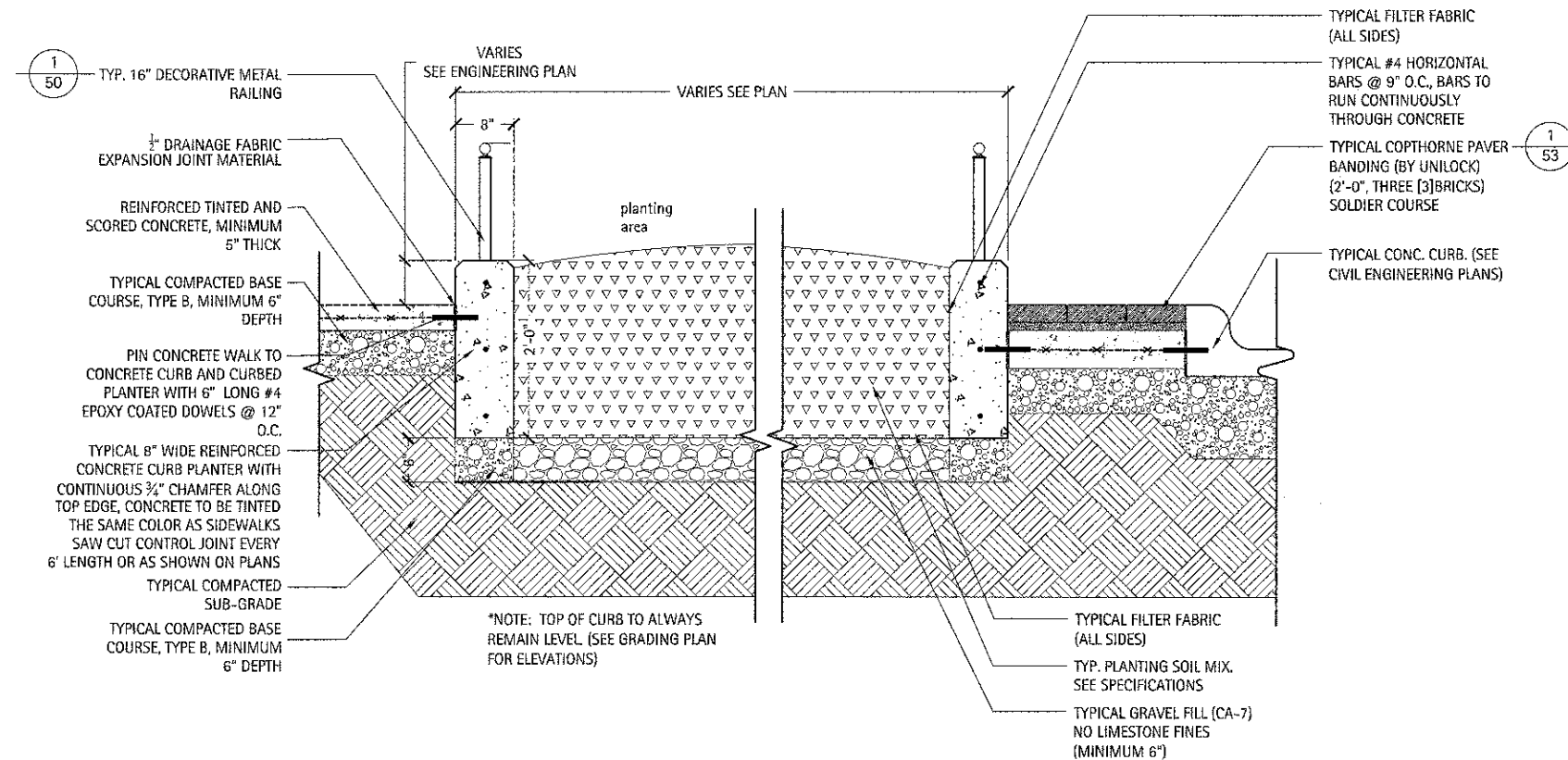
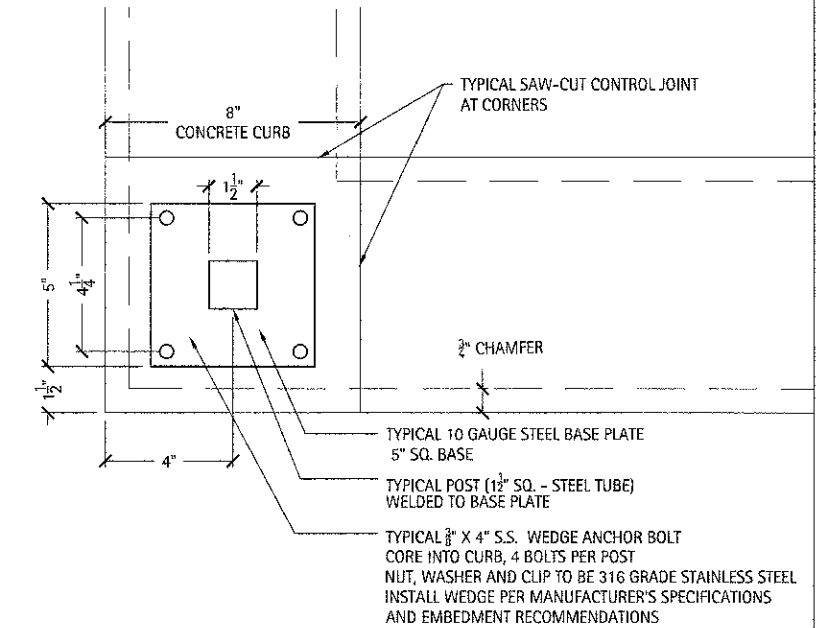
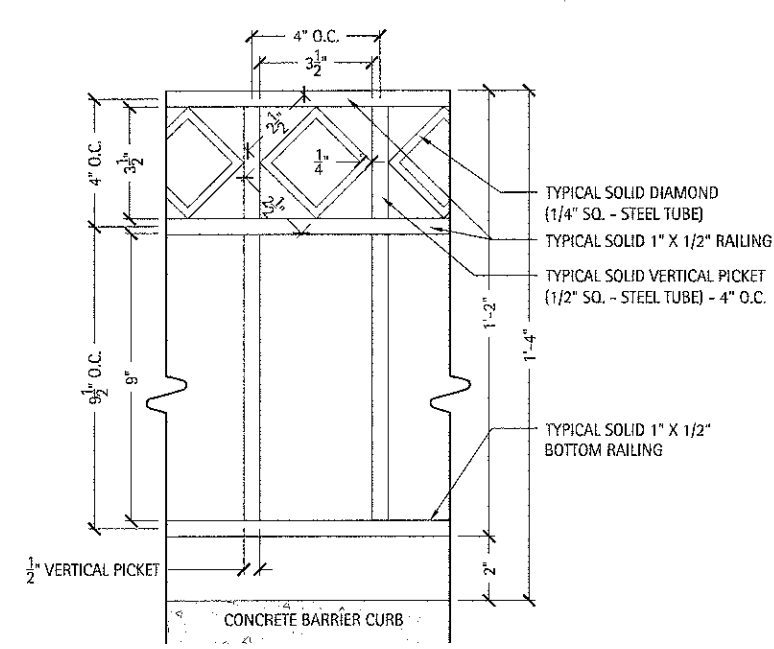
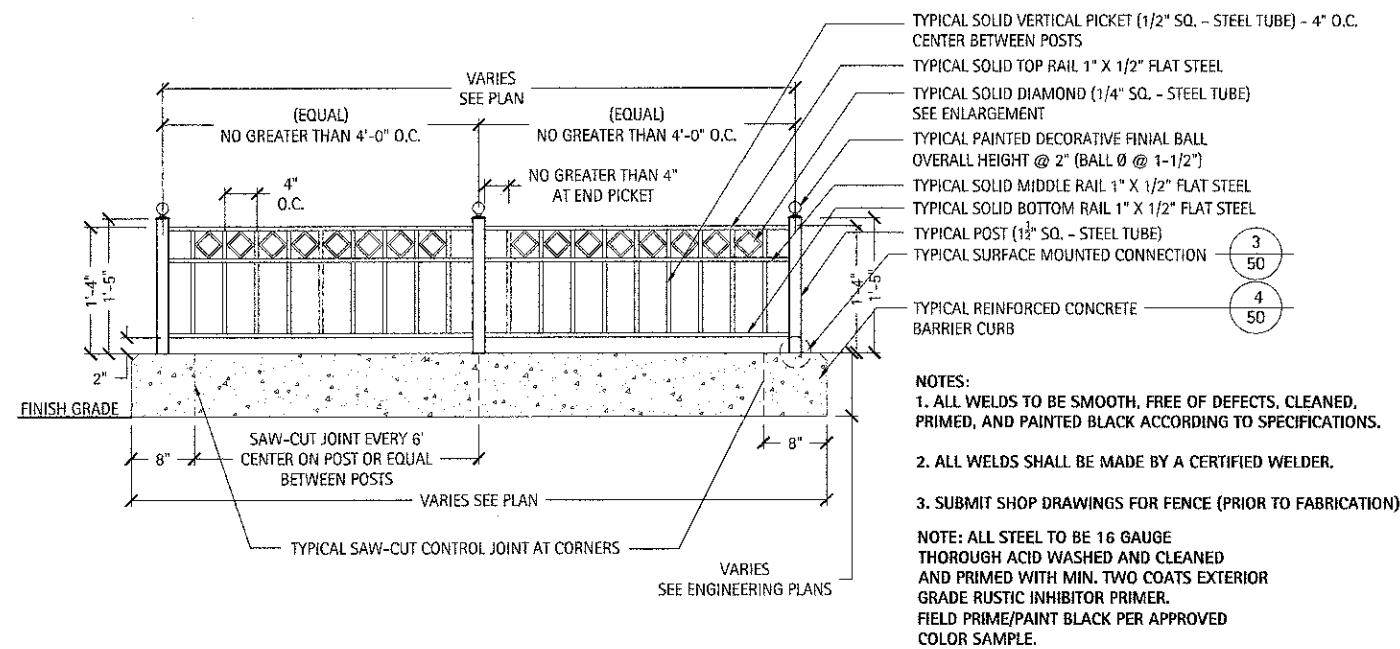
N.T.S.



**MANUAL ISOLATION VALVE DETAIL**

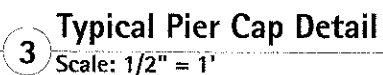
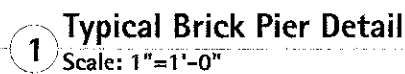
N.T.S.

FILE NAME: J:\10010062.dwg	USER NAME: adarides	DESIGNED: JPC	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IRRIGATION DETAILS (1 OF 1)				<div> <div>CB</div> <div> <b>CHRISTOPHER B. BURKE ENGINEERING, LTD.</b>  9575 W. Higgins Road, Suite 600  Rosemont, Illinois 60018  (847) 823-0500 </div> </div>
		DRAWN: KWB	REVISED: -		SCALE: 1"=20'	SHEET	OF	SHEETS	
		CHECKED: JPC	REVISED: -			STA.		TO STA.	
		DATE: 8/14/2012	REVISED: -						
					ILLINOIS FED. AID PROJECT				



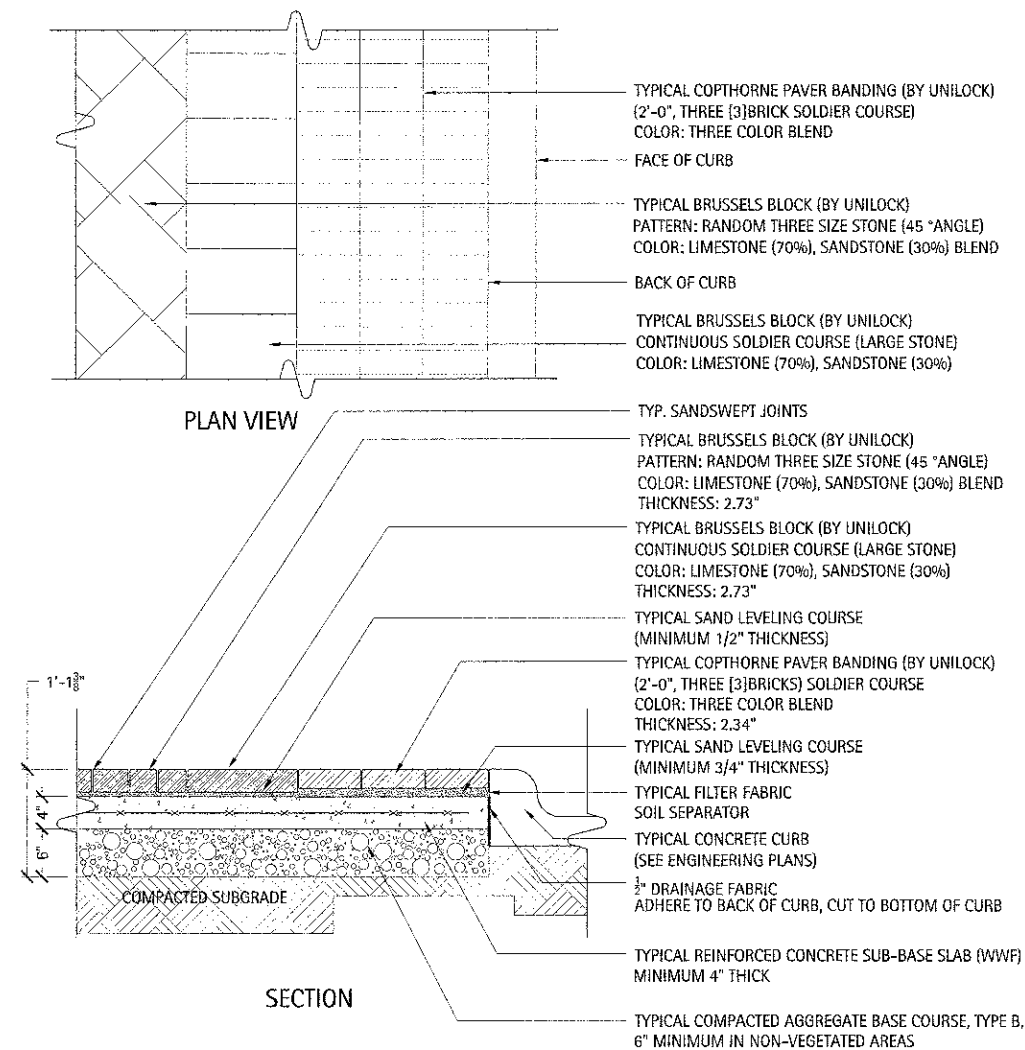
FILE NAME = \$FILES\$	USER NAME = \$USER\$	DESIGNED —	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLANTER DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN —	REVISED —				10-00149-00-LS	COOK	69	50
	PLOT SCALE = \$SCALES\$	CHECKED —	REVISED —			CONTRACT NO. 63723				
	PLOT DATE = \$DATES\$	DATE —	REVISED —			SCALE: AS SHOWN	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



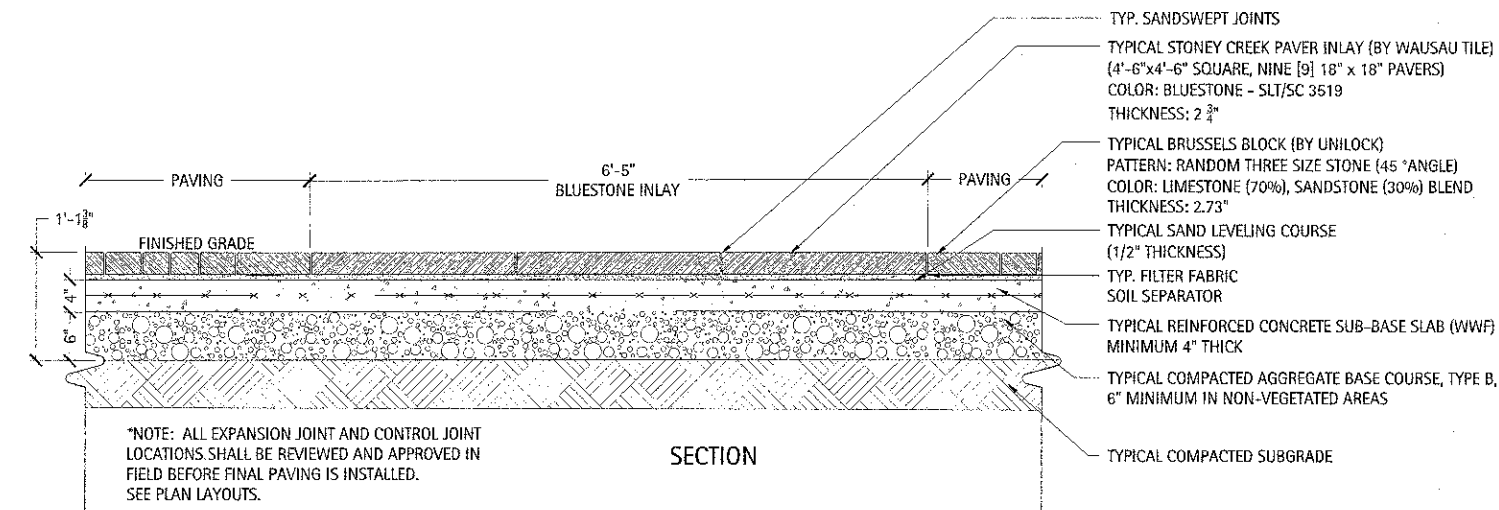


FILE NAME =	USER NAME = \$USER\$	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRICK VENEER PLANTER DETAILS	SCALE: AS SHOWN SHEET 2 OF 2 SHEETS STA. TO STA.	I.A. REC.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
REFLUSE		DRAWN --	REVISED --				10-00149-00-LS	COOK	89	52
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	PLOT DATE = \$DATE\$	DATE --	REVISED --				ILLINOIS FED. AID PROJECT			

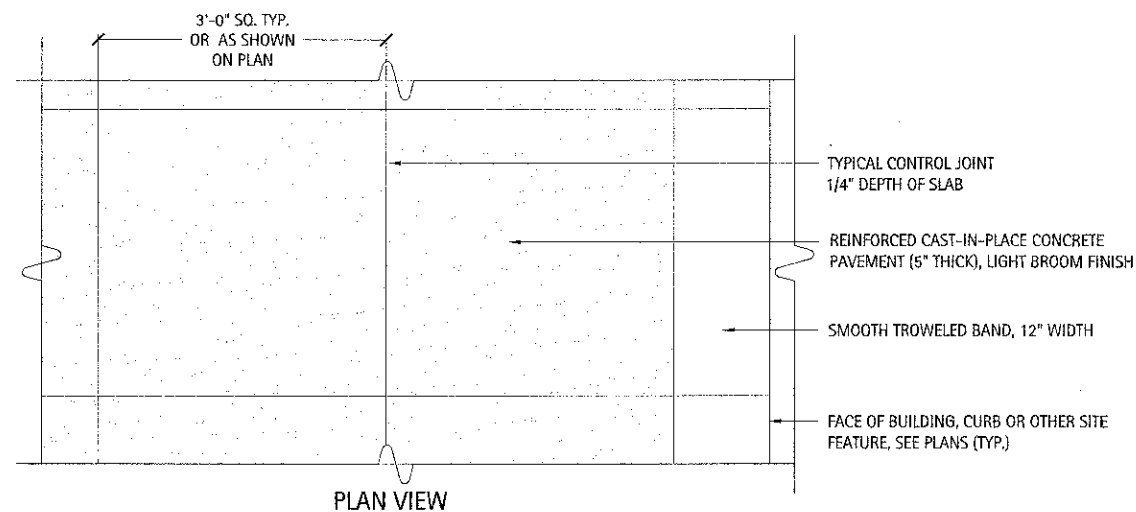




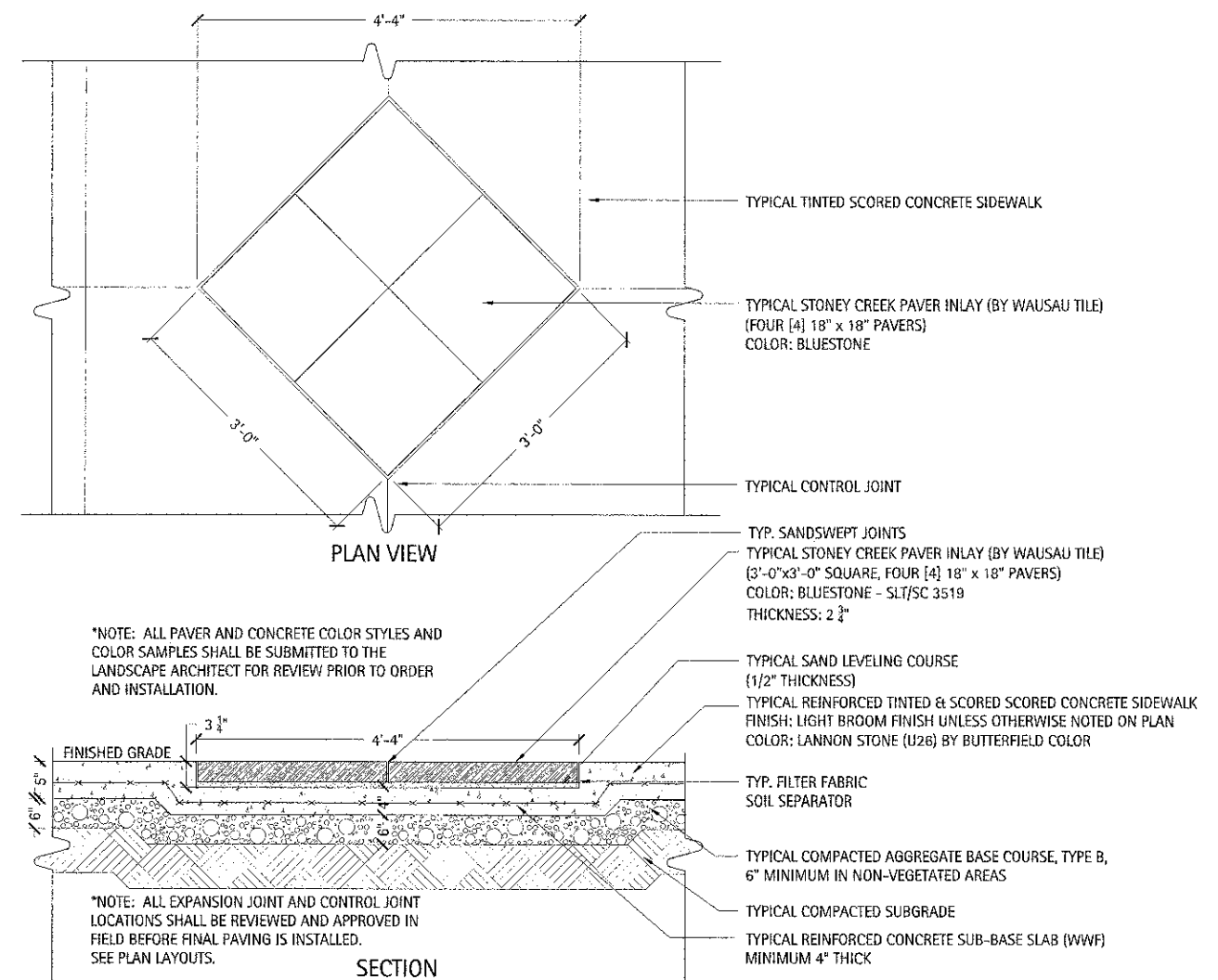
**1 Typical Concrete Paver and Triple Soldier Course Banding**  
Scale: 1"=1'-0"



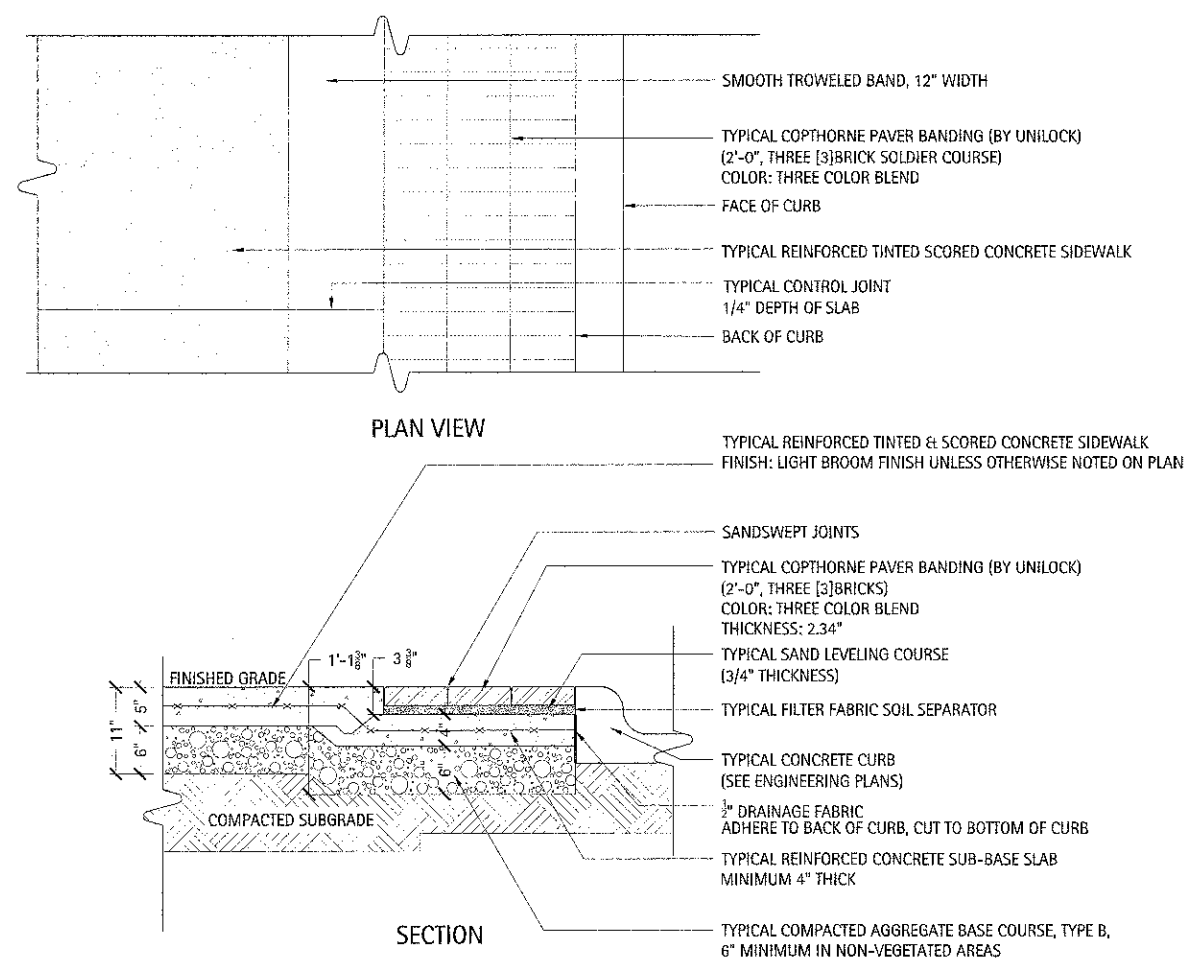
**3 Typical Bluestone Paver Inlay**  
Scale: 1"=1'-0"



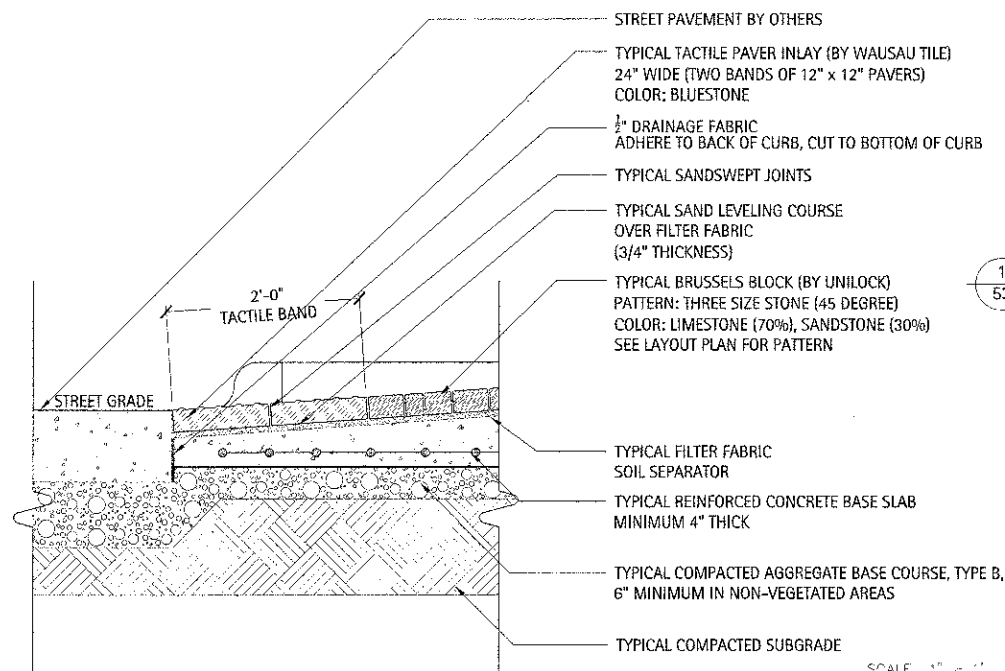
**2 Typical Tinted Portland Cement Concrete Sidewalk**  
Scale: 1"=1'-0"



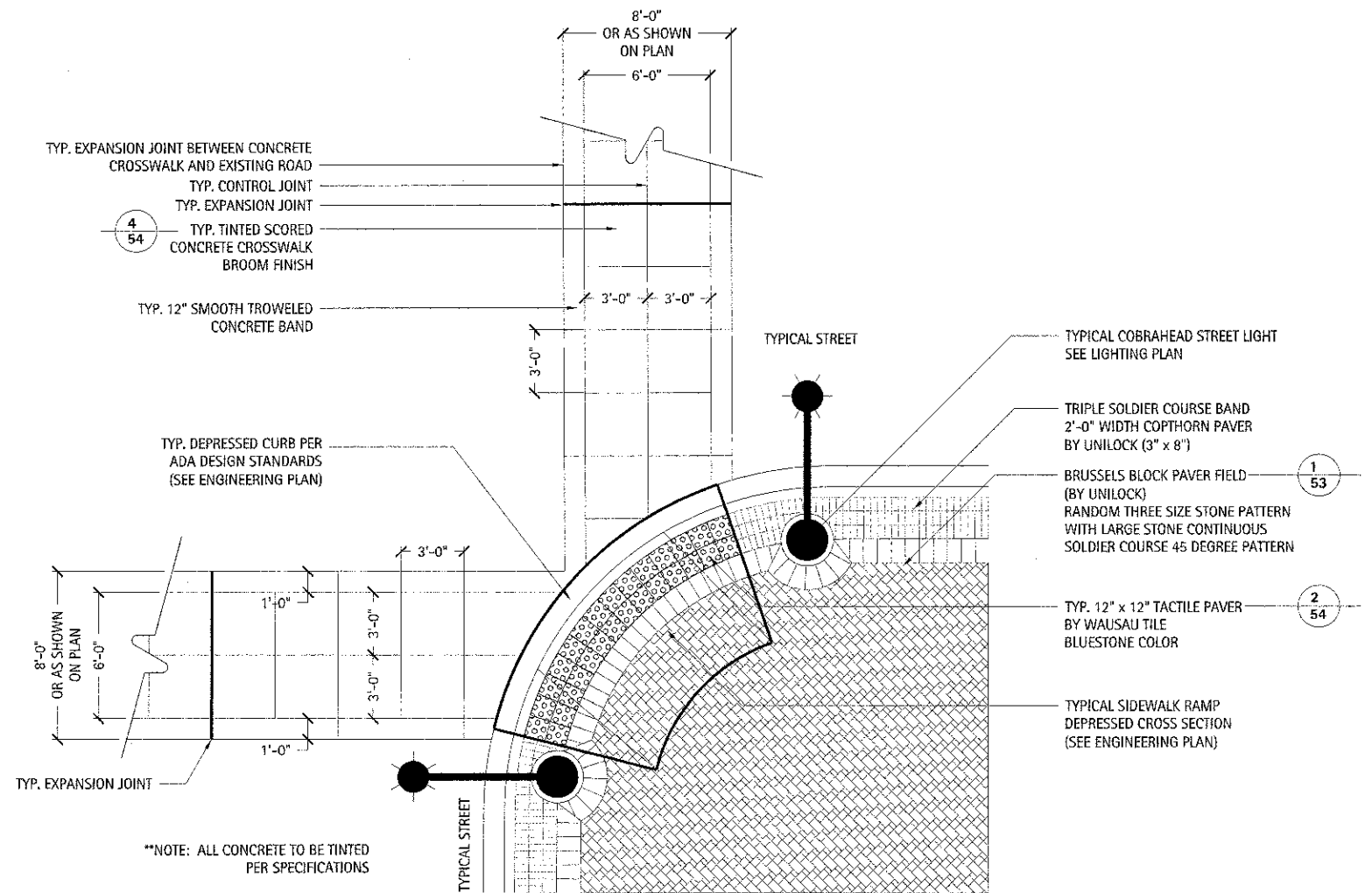
**4 Typical Bluestone Paver Inlay**  
Scale: 1"=1'-0"



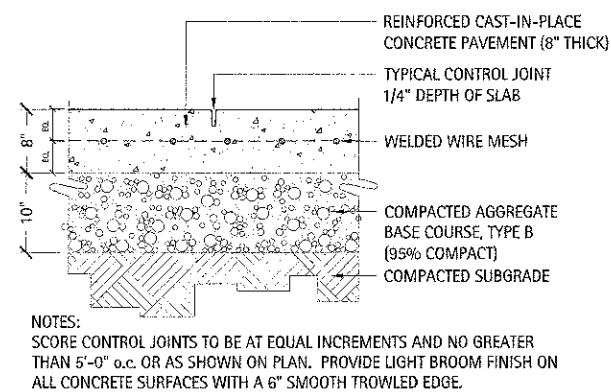
**1 Typical Triple Soldier Course Band Paver**  
Scale: 1"=1'-0"



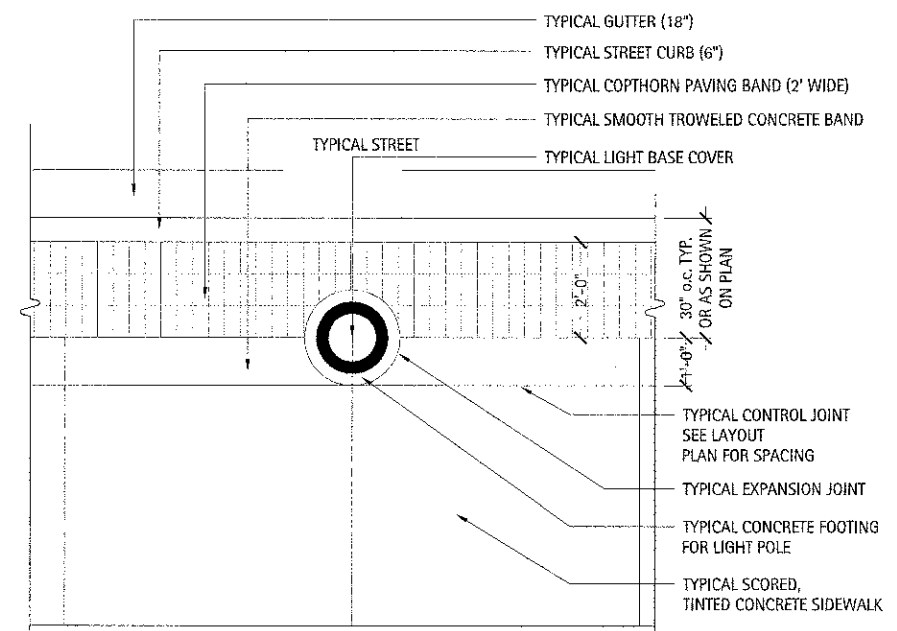
**2 Typical Tactile Paver Banding**  
Scale: 1"=1'-0"



**3 Typical Crosswalk Plan Detail**  
Scale: 1/4"=1'-0"



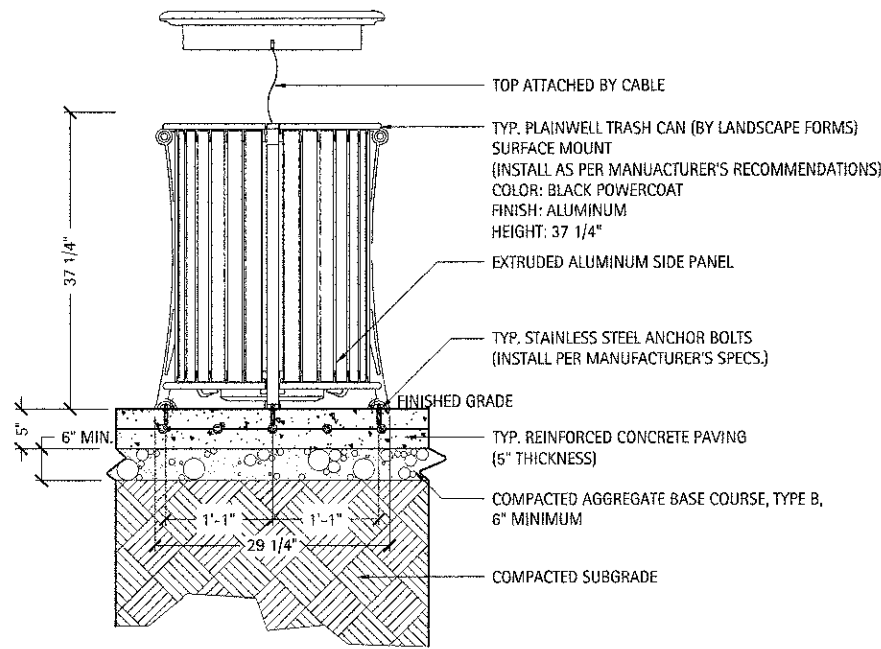
**4 Typical Crosswalk Section Detail**  
Scale: 1"=1'-0"



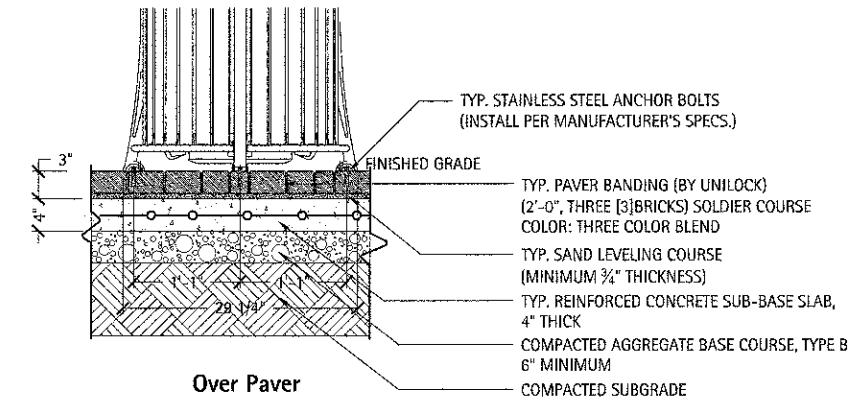
**5 Typical Light Base Paving Plan**  
Scale: 1/2"=1'-0"

SITE ELEMENTS SCHEDULE

ITEM	MANUFACTURER AND MODEL	COLOR
BENCH - 6'	METAL PLAINWELL BENCH BY LANDSCAPE FORMS OR EQUAL	BLACK POWDERCOAT
BENCH - 6'	BACKLESS BENCH BY VICTOR STANLEY OR EQUAL	BLACK POWDERCOAT
TRASH RECEPTACLE	METAL TRASH RECEPTACLE BY LANDSCAPE FORMS OR EQUAL	BLACK POWDERCOAT
BIKE RACK	METAL MBR 200 BIKE RACK BY MAGLIN - MBR 200 OR EQUAL	BLACK POWDERCOAT
MOVEABLE PLANTERS	KALYPSO PLANTER BY STONEWEAR - KB3616 OR EQUAL	NATURAL SAND

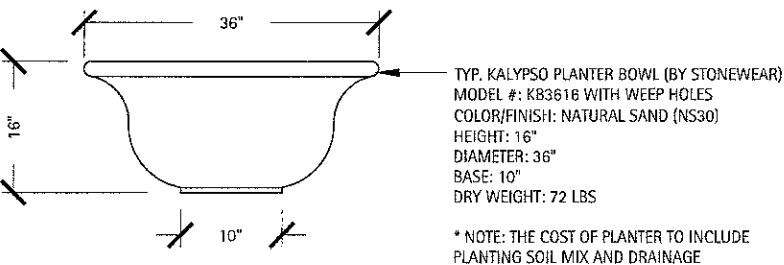


Over Concrete

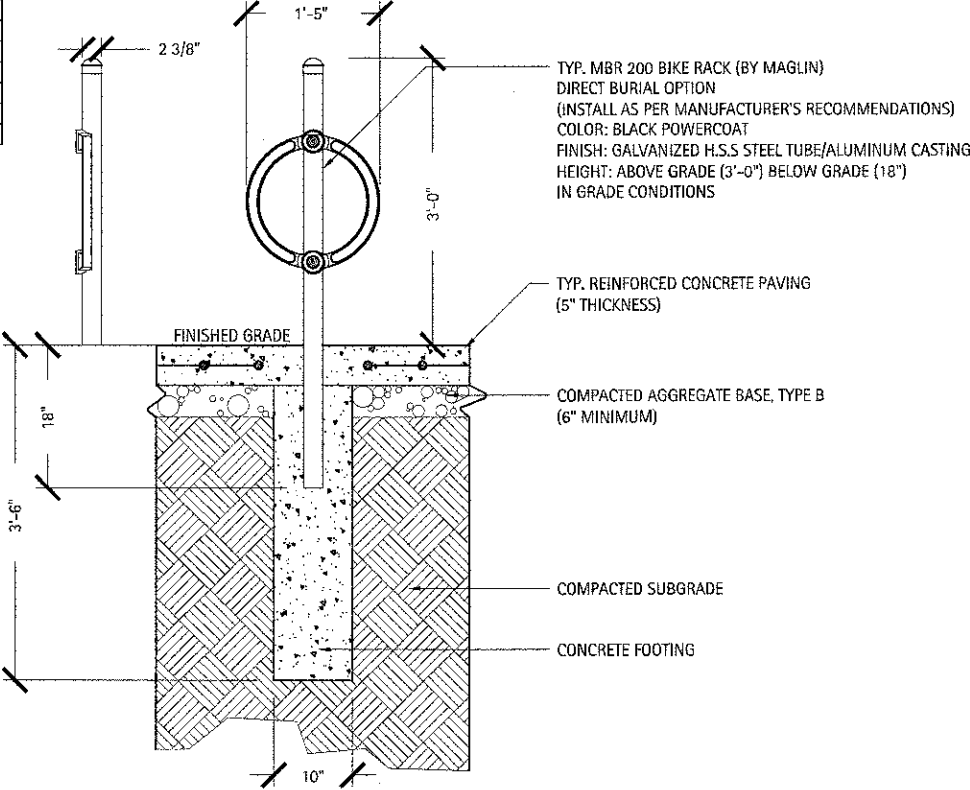


Over Paver

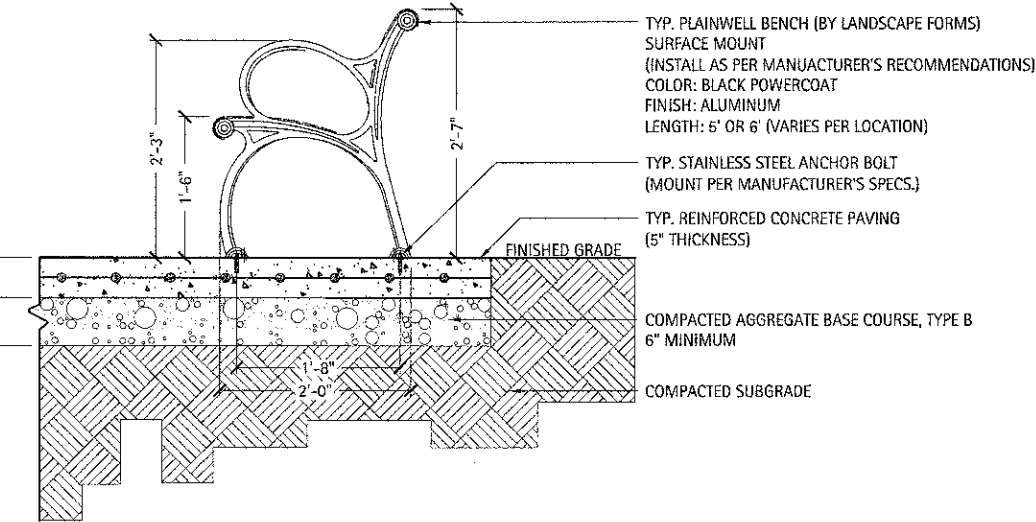
1 Typical Trash Receptacle  
Scale: 1"=1'-0"



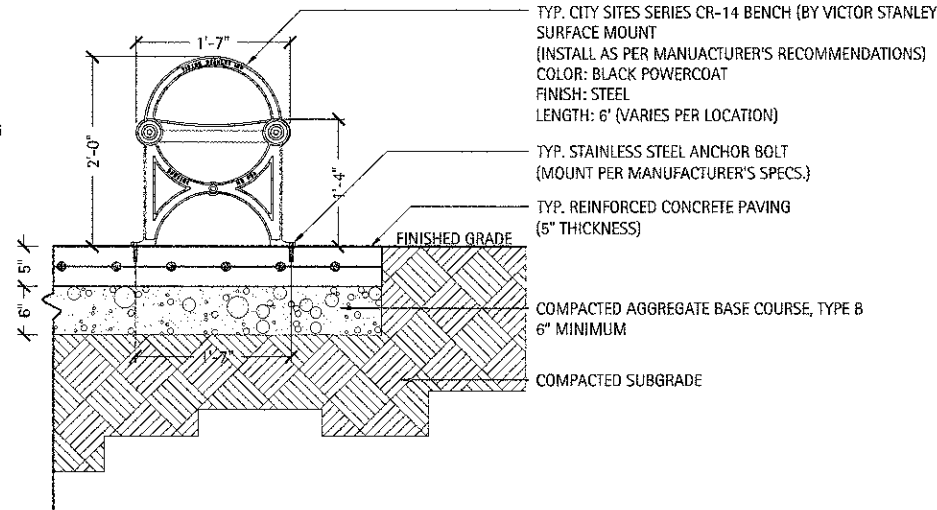
3 Typical Cast Moveable Planter  
Scale: 1"=1'-0"



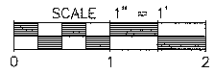
4 Typical Bike Rack  
Scale: 1"=1'-0"

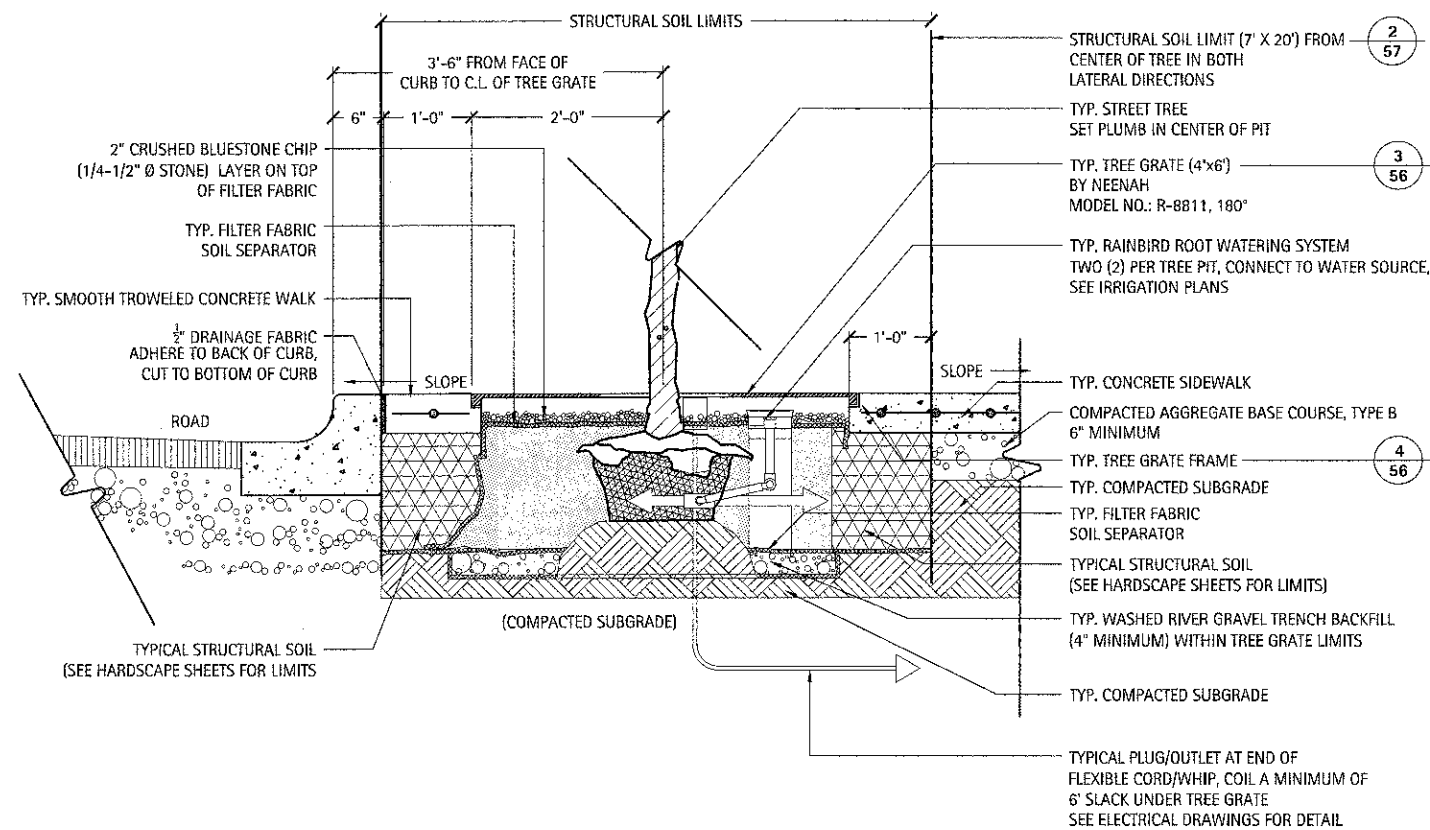


5 Typical Decorative Metal Bench  
Scale: 1"=1'-0"

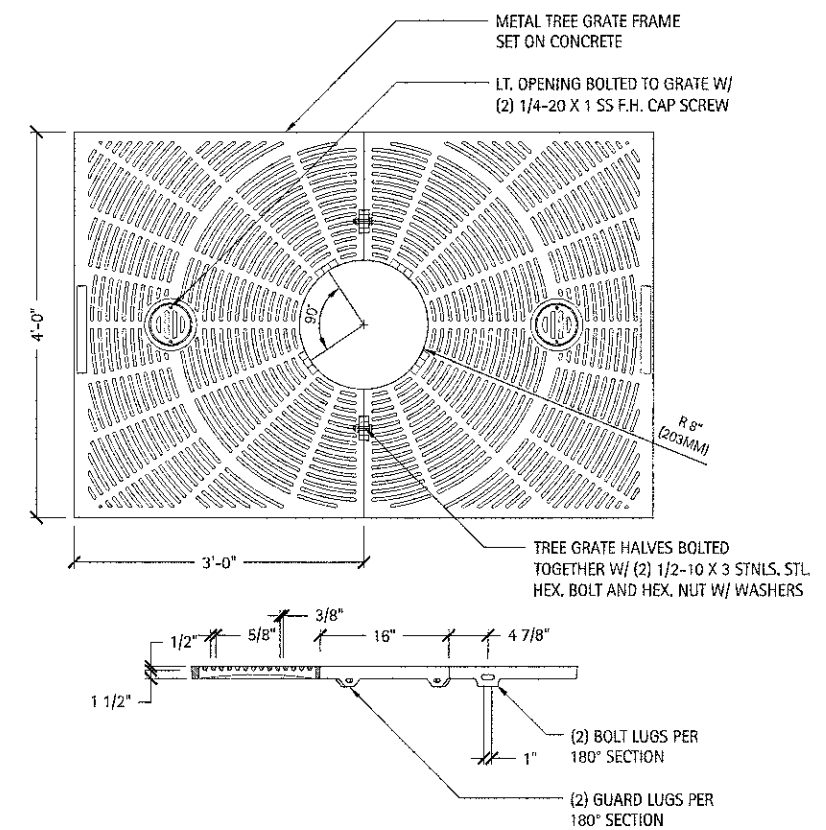


6 Typical Backless Metal Bench  
Scale: 1"=1'-0"

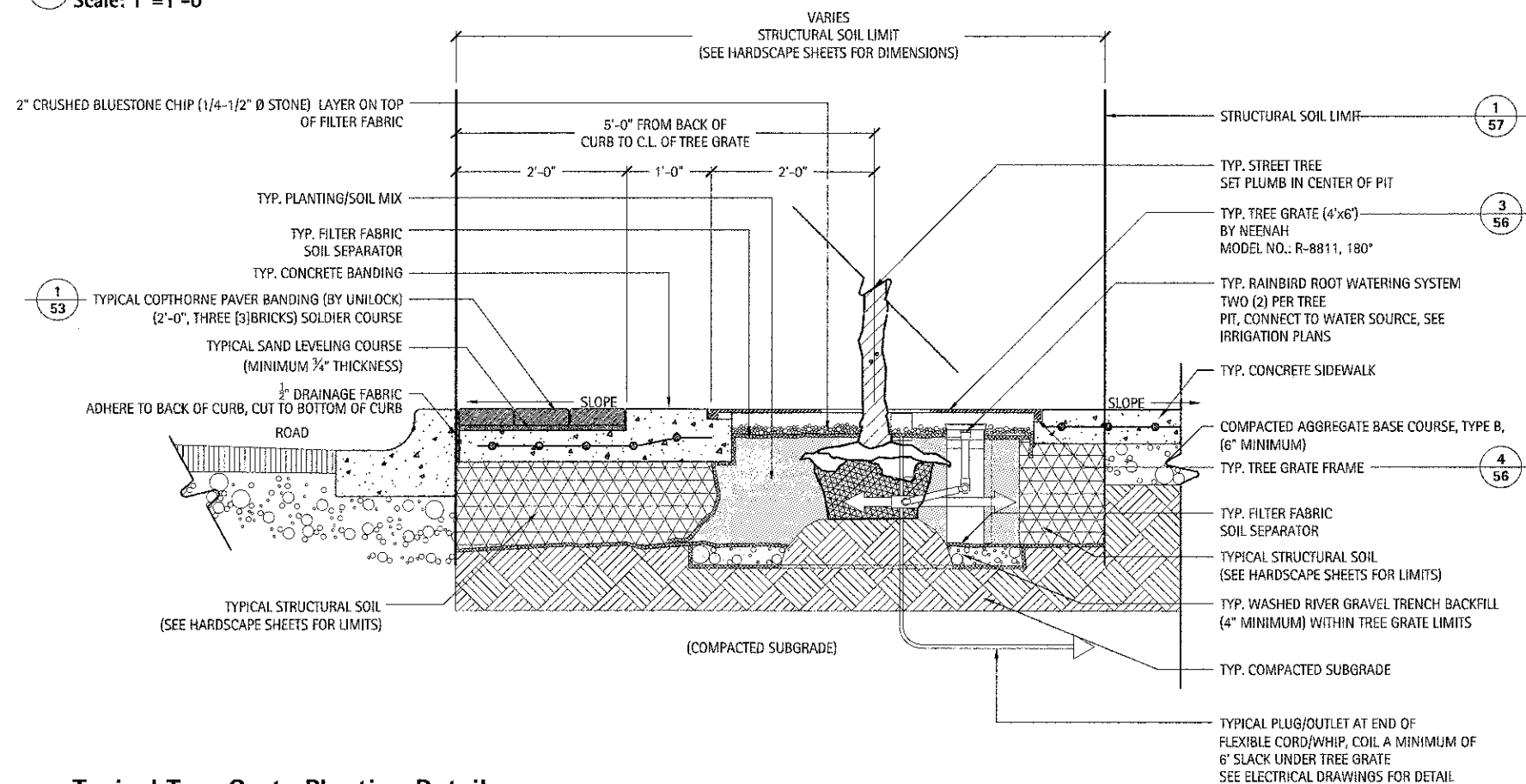




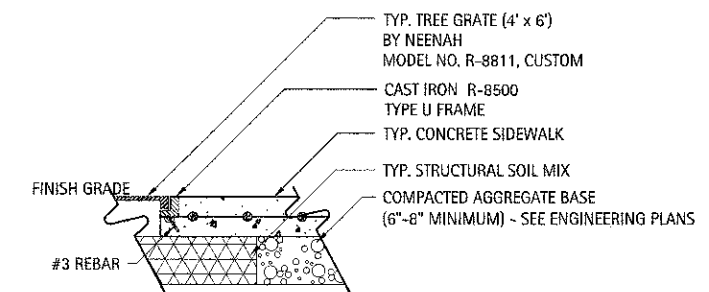
1 Typical Tree Grate Planting Detail  
Scale: 1"=1'-0"



3 Typical Tree Grate - Natural Finish  
Scale: 1"=1'-0"



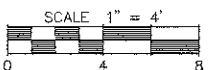
2 Typical Tree Grate Planting Detail  
Scale: 1"=1'-0"



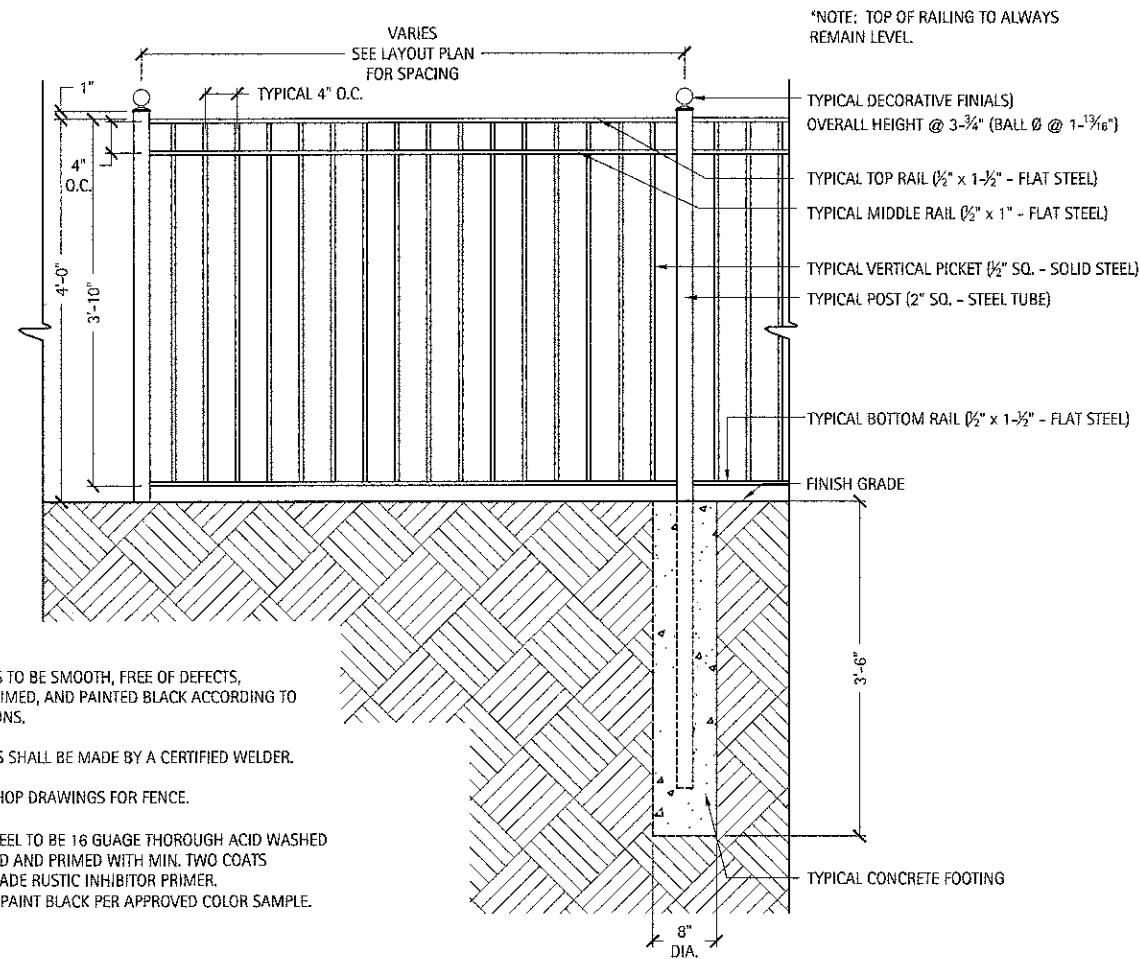
4 Typical Type U Frame  
Scale: 1"=1'-0"



FILE NAME =	USER NAME = \$USER\$	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\$FILES\$		DRAWN --	REVISED --			10-00149-00-LS	COOK	69	56		
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SCALE: AS SHOWN   SHEET 1 OF 2 SHEETS   STA. TO STA.											



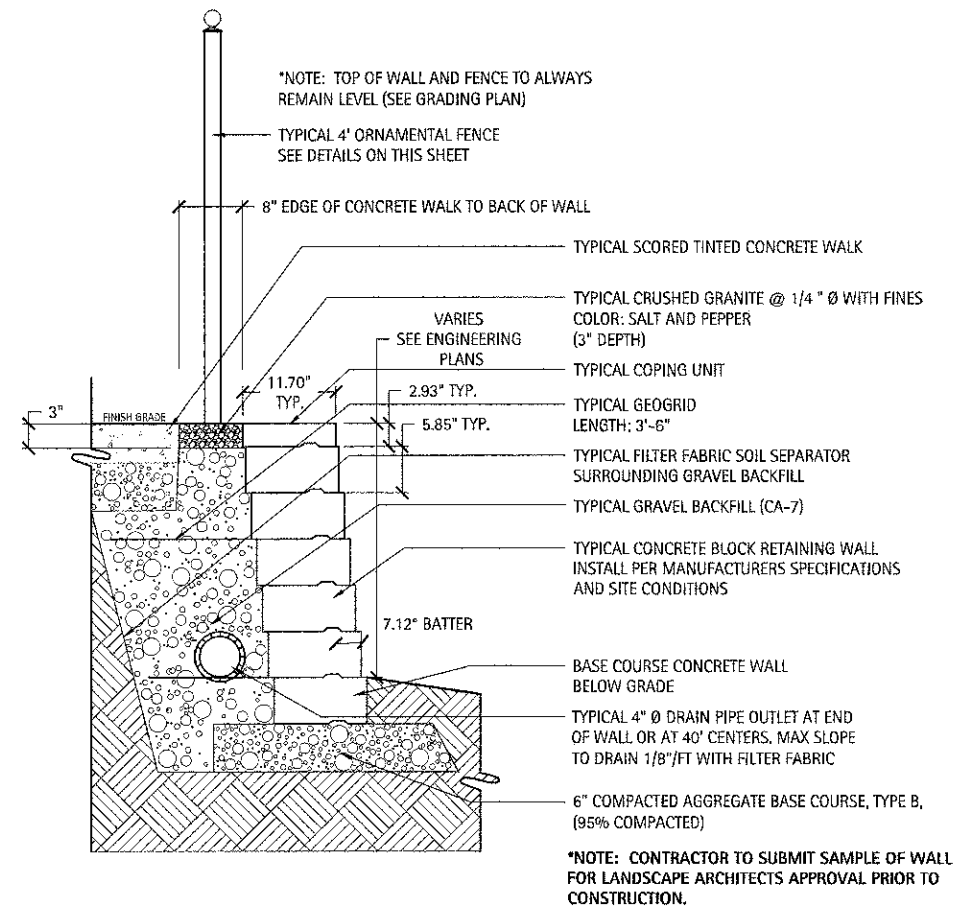
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	PLOT DATE = \$DATE\$	DATE —	REVISED —				SCALE: AS SHOWN	SHEET 2 OF 2 SHEETS	STA.	TO STA.	



- NOTES:
1. ALL WELDS TO BE SMOOTH, FREE OF DEFECTS, CLEANED, PRIMED, AND PAINTED BLACK ACCORDING TO SPECIFICATIONS.
  2. ALL WELDS SHALL BE MADE BY A CERTIFIED WELDER.
  3. SUBMIT SHOP DRAWINGS FOR FENCE.
- NOTE: ALL STEEL TO BE 16 GAUGE THOROUGH ACID WASHED AND CLEANED AND PRIMED WITH MIN. TWO COATS EXTERIOR GRADE RUSTIC INHIBITOR PRIMER. FIELD PRIME/PAINT BLACK PER APPROVED COLOR SAMPLE.

## 1 Typical Ornamental Metal Fence

Scale: 1"=1'



## 2 Typical Modular Concrete Block Retaining Wall

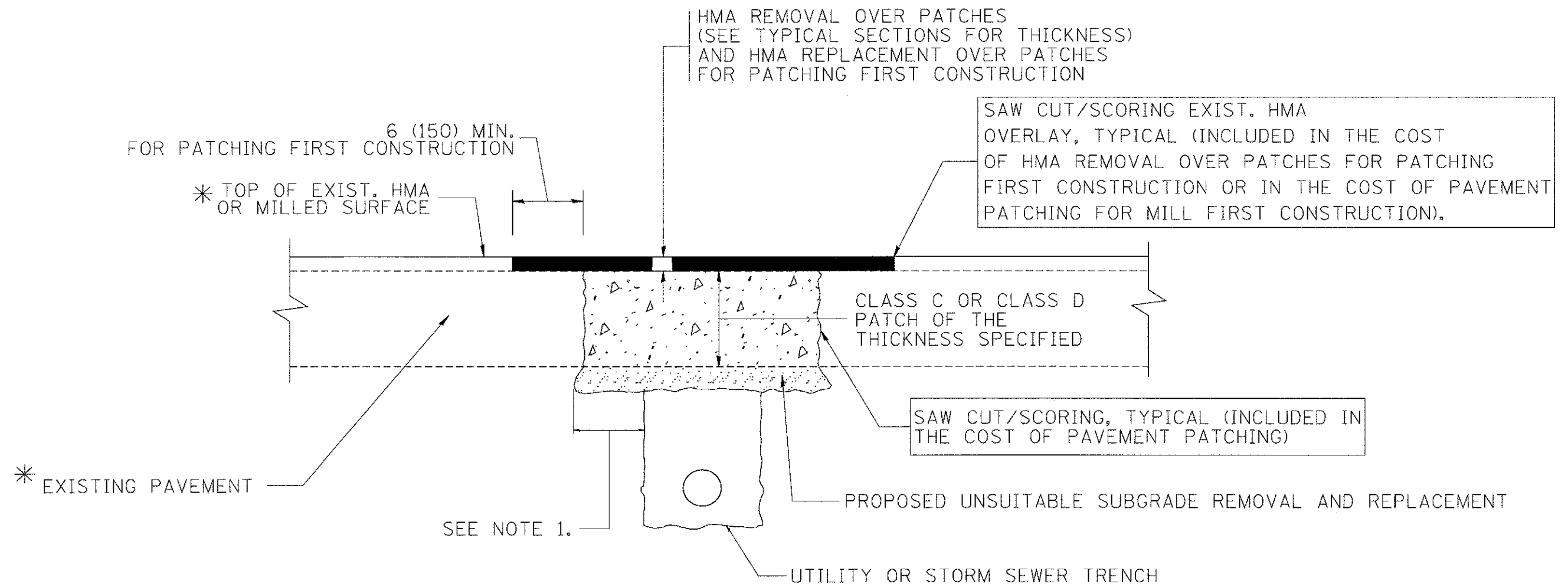
Scale: 1"=1'



FILE NAME =	USER NAME = \$USER\$	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SCALE: AS SHOWN SHEET 1 OF 1 SHEETS STA. TO STA.						ILLINOIS FED. AID PROJECT				
						CONTRACT NO. 63723				



FILE NAME = W:\datastd\22x34\bd08.dgn	USER NAME = gaglionebt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR</b> <b>FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 03-21-97							10-00149-00-LS	COOK	69	59
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. WIEDEMAN 05-14-04							BD600-03 (BD-8)		CONTRACT NO.	63723
	PLOT DATE = 1/4/2008	DATE - 10-25-94	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

#### NOTES:

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

#### SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

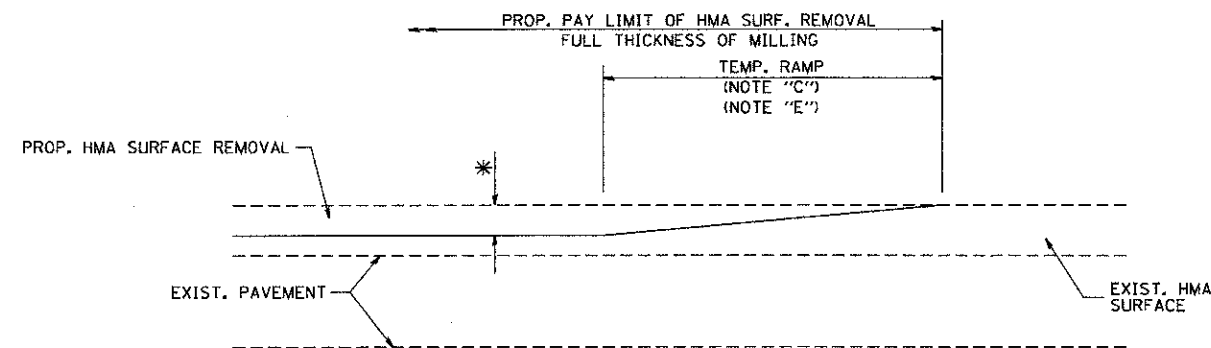
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

#### SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

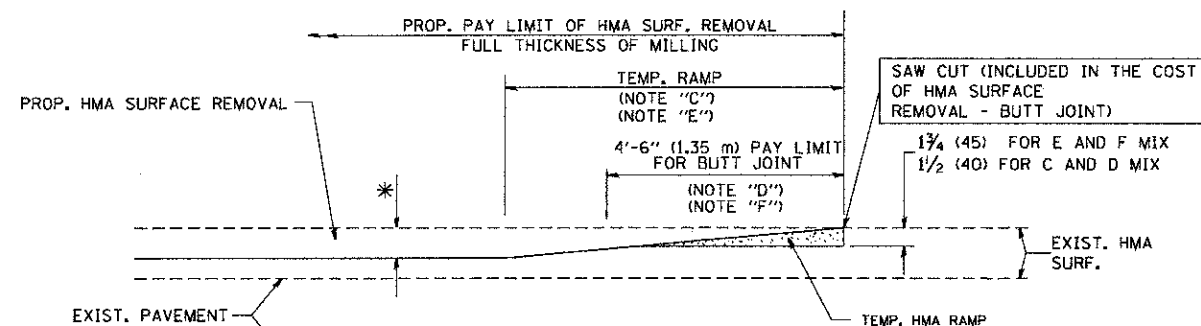
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\projects\diststd22\34\bd22.dgn		DRAWN -	REVISED - R. BORO 01-01-07			10-00149-00-LS	COOK	69	60				
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	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08										
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
								CONTRACT NO. 63723					



MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

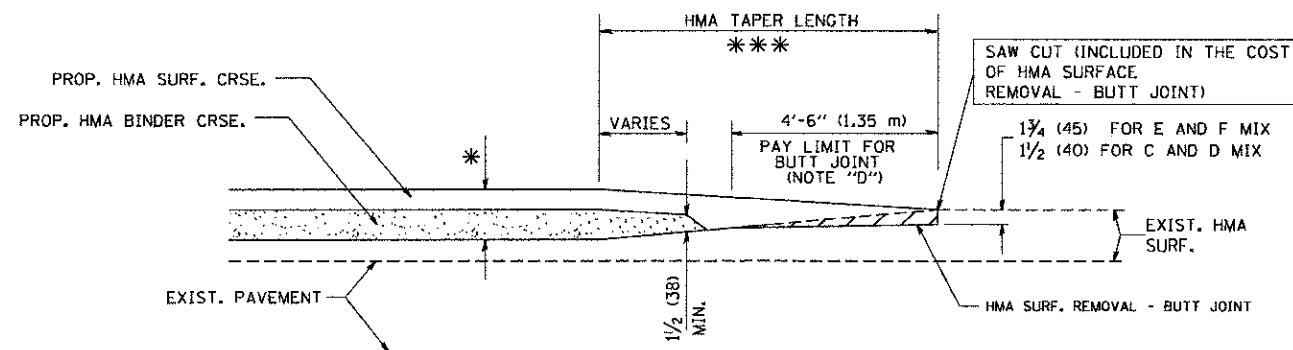
### OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

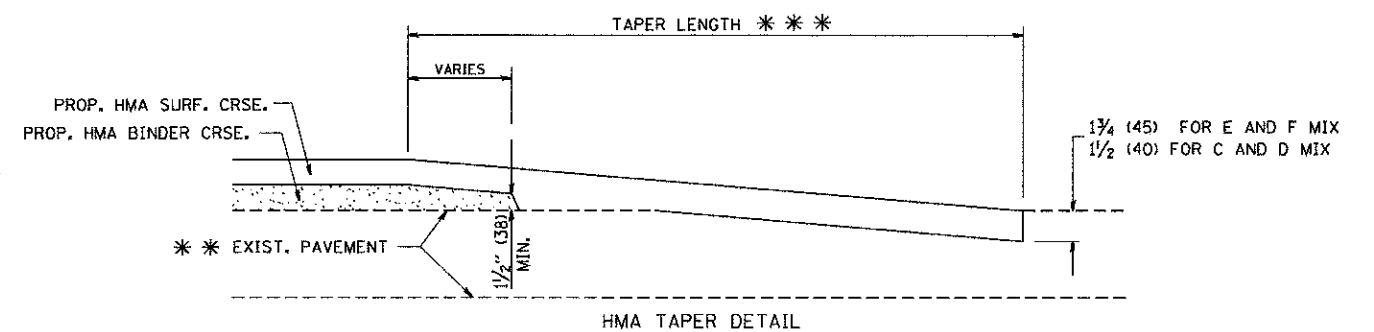
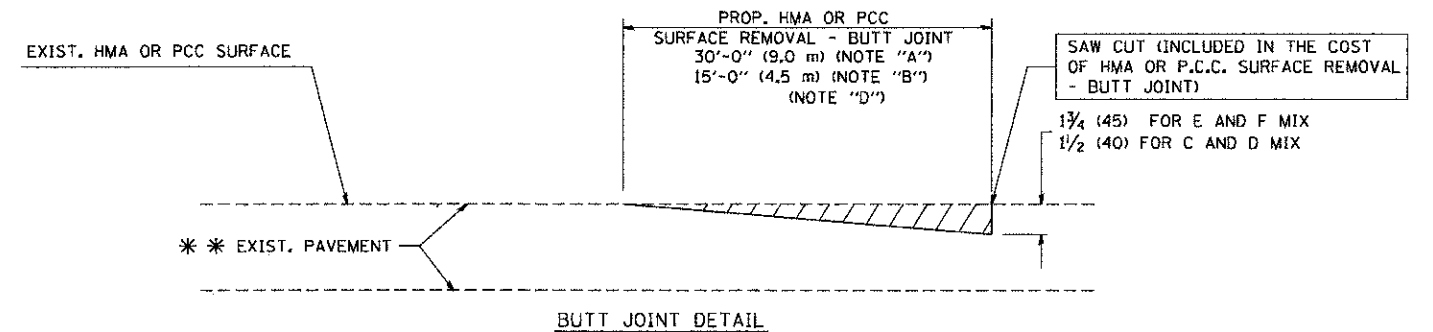
### OPTION 2

### TYPICAL TEMPORARY RAMP



BUTT JOINT AND  
HMA TAPER

### TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



### TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

### NOTES

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

\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

### BASIS OF PAYMENT:

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

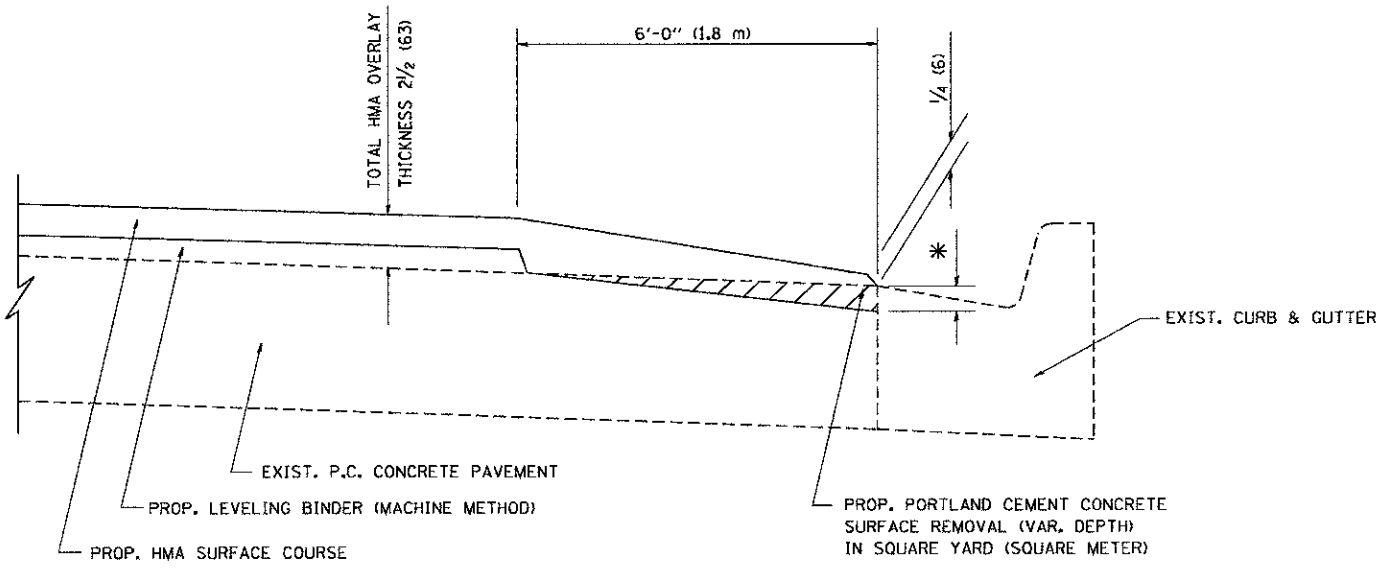
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = geglancbt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
W:\diststd\22x34\bd32.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / 1 IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
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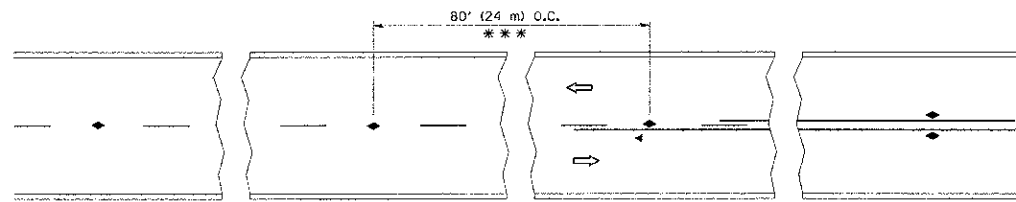
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00149-00-LS	COOK	69	61
	BD400-05 BD32	CONTRACT NO.	63723	
	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			



HMA TAPER AT  
EDGE OF P.C.C PAVEMENT

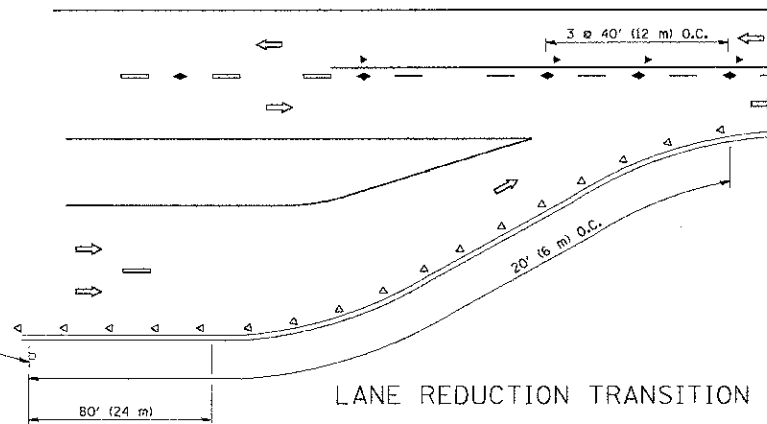
HMA SURFACE		LEVELING BINDER	
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1 1/2 (38)	1 (25)	1/4 (33)
F	1 3/4 (44)	3/4 (19)	1/2 (38)

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

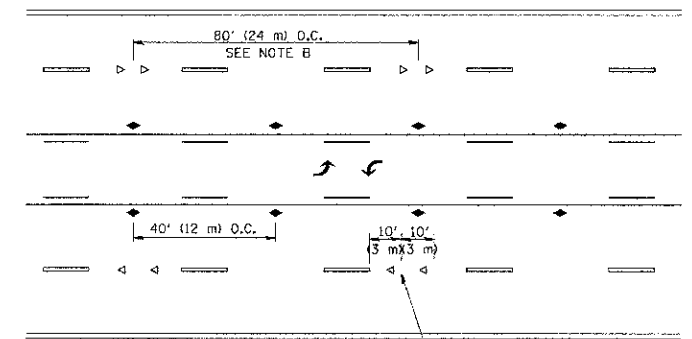


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

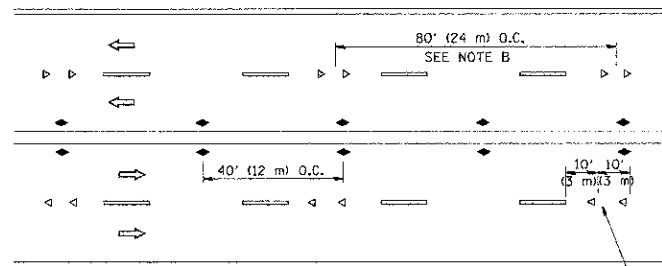
TWO-LANE/TWO-WAY



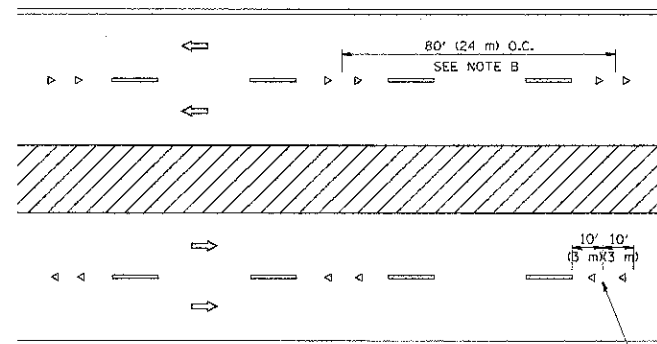
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

### GENERAL NOTES

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

### LANE MARKER NOTES

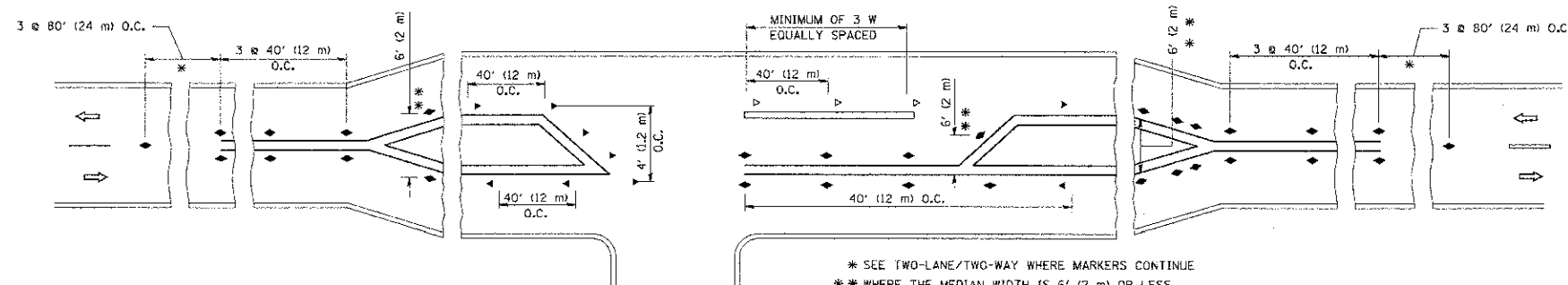
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

### SYMBOLS

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

### DESIGN NOTES

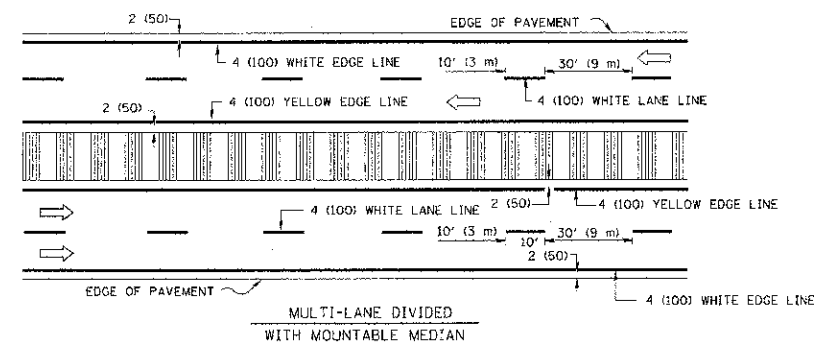
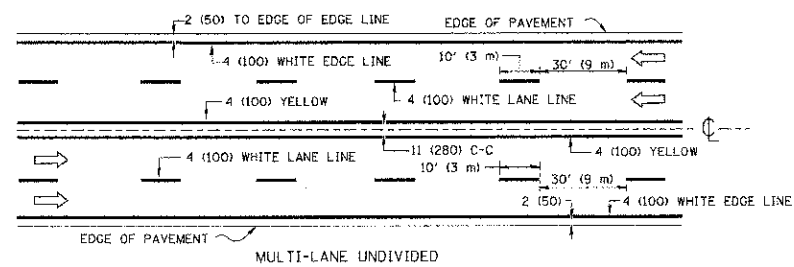
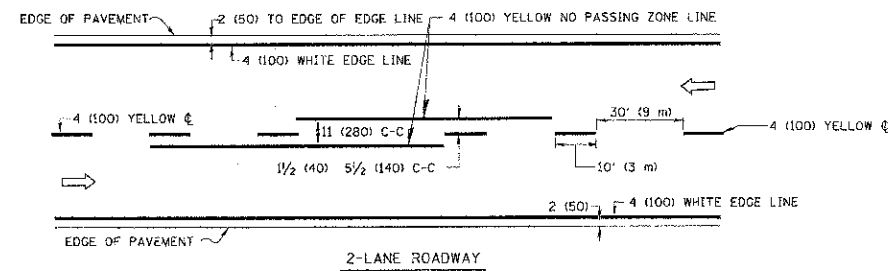
1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD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



LEFT TURN

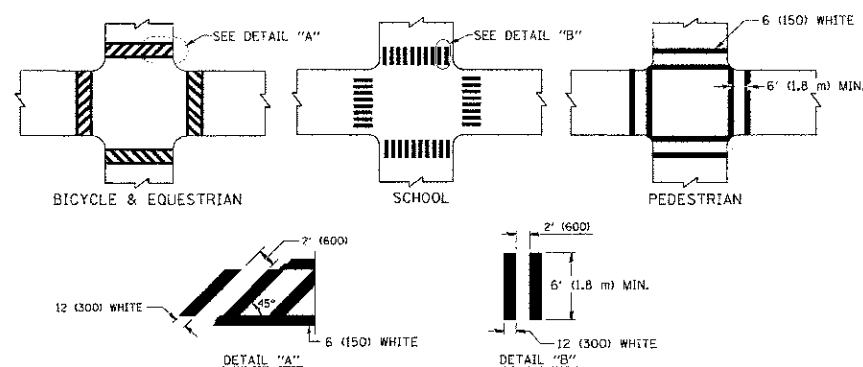
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\drivakosgn\30180315\1.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99								10-00149-00-LS	COOK	69	63
PLOT SCALE = 50.000' / 1" =		CHECKED -	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE				SHEET NO. 1 OF 1 SHEETS		CONTRACT NO. 63723			
PLOT DATE = 9/3/2009		DATE -	REVISED - C. JUCIUS 09-09-09		STA. TO STA.				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

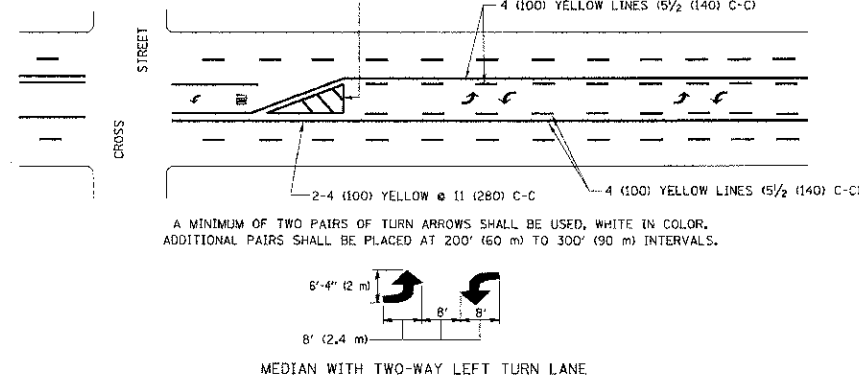
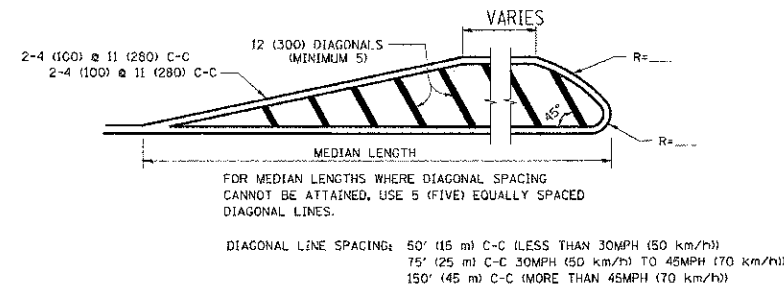
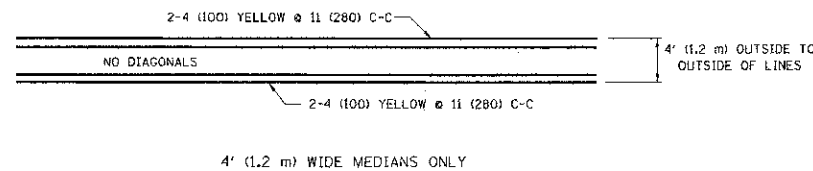


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

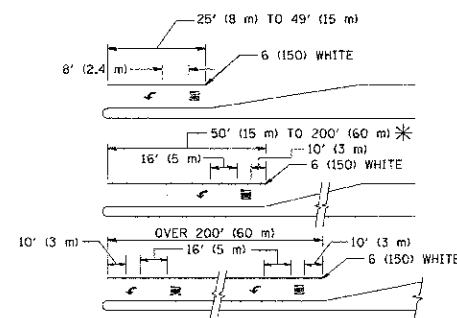
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



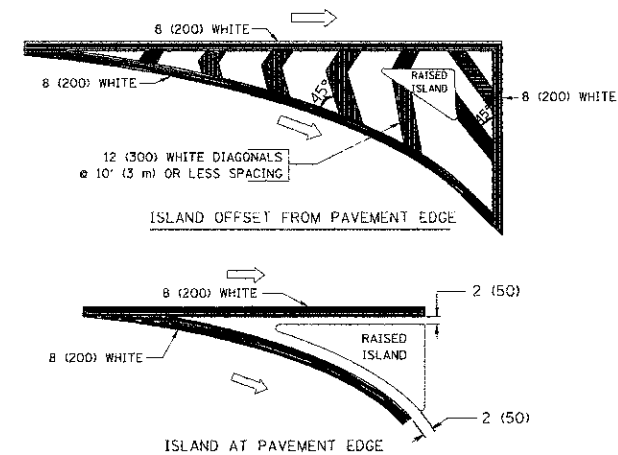
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) 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 LEFT (OR RIGHT) TURN LANE MARKING

TYPICAL TURN LANE MARKING



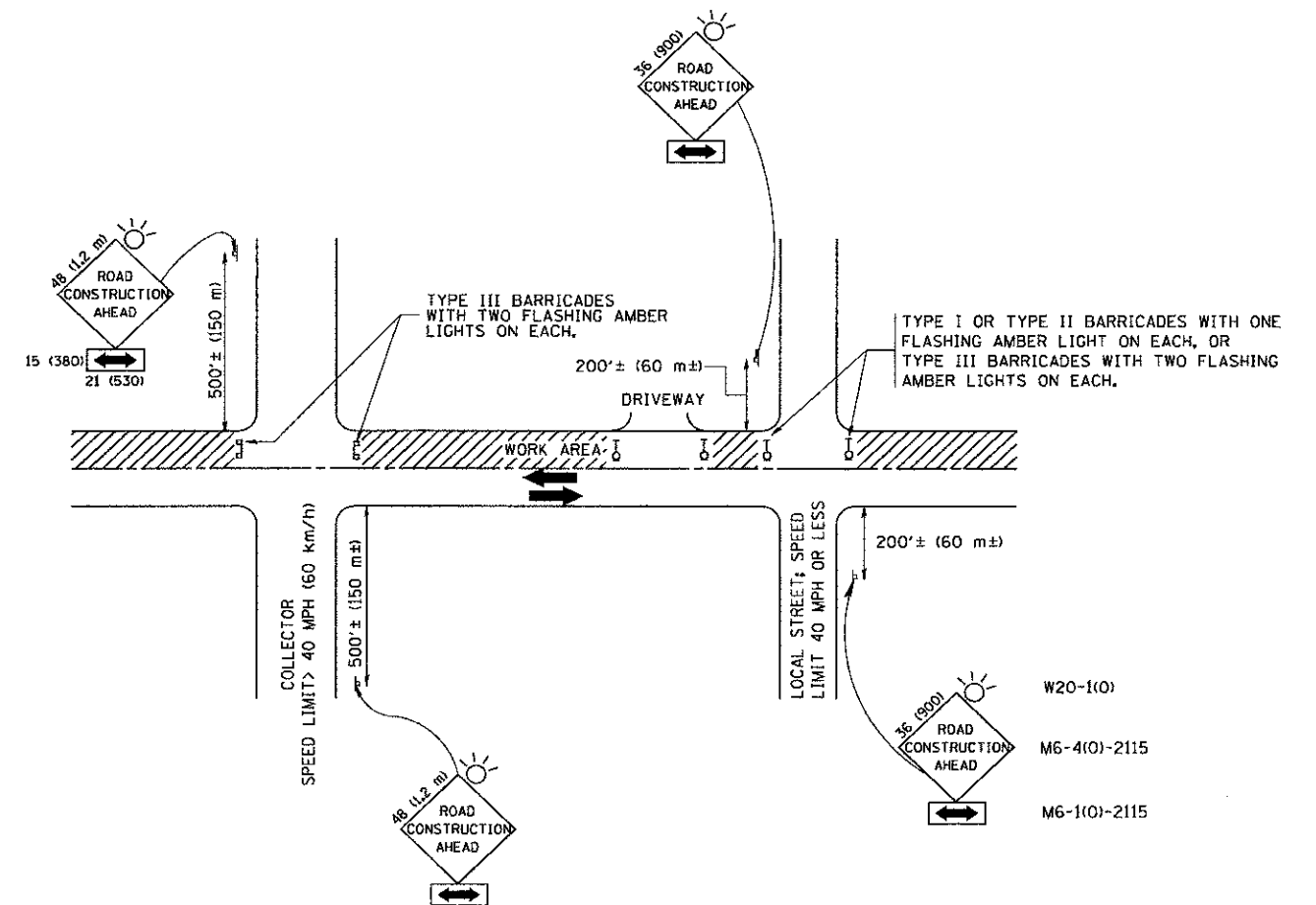
TYPICAL ISLAND MARKING

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 FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	6 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW. EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "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.





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

### NOTES:

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

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

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

a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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

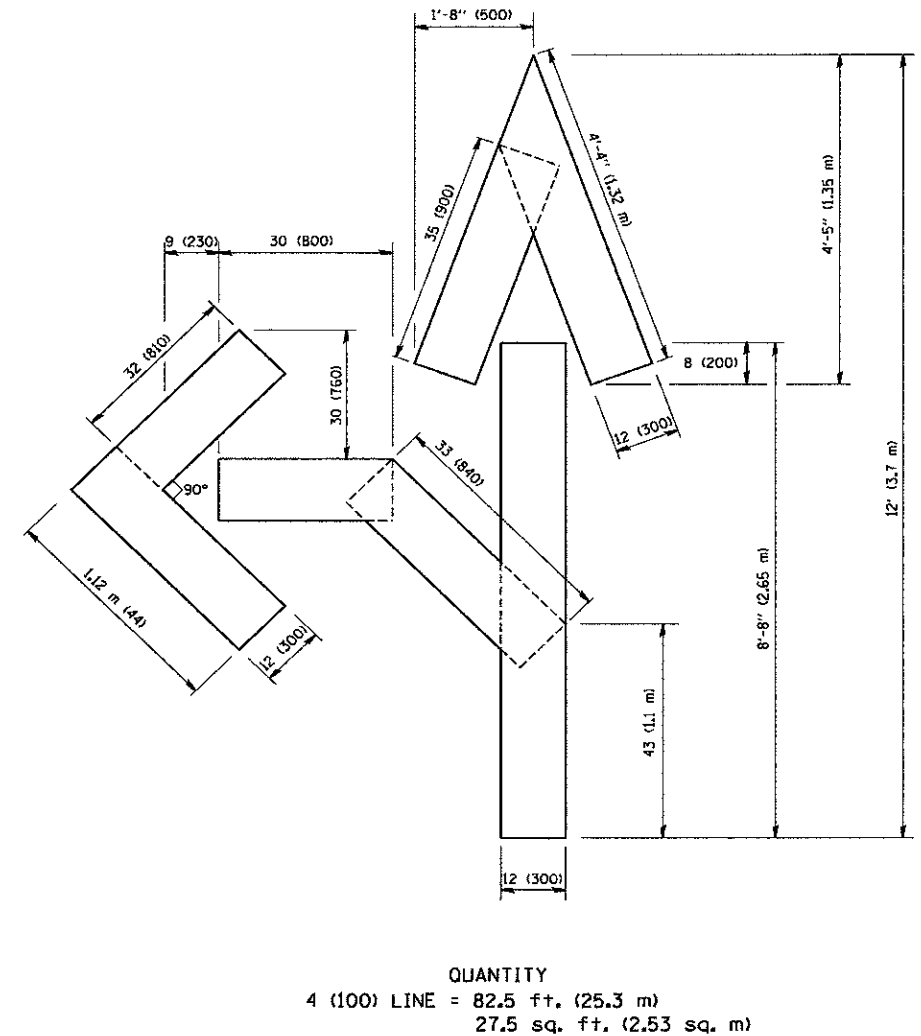
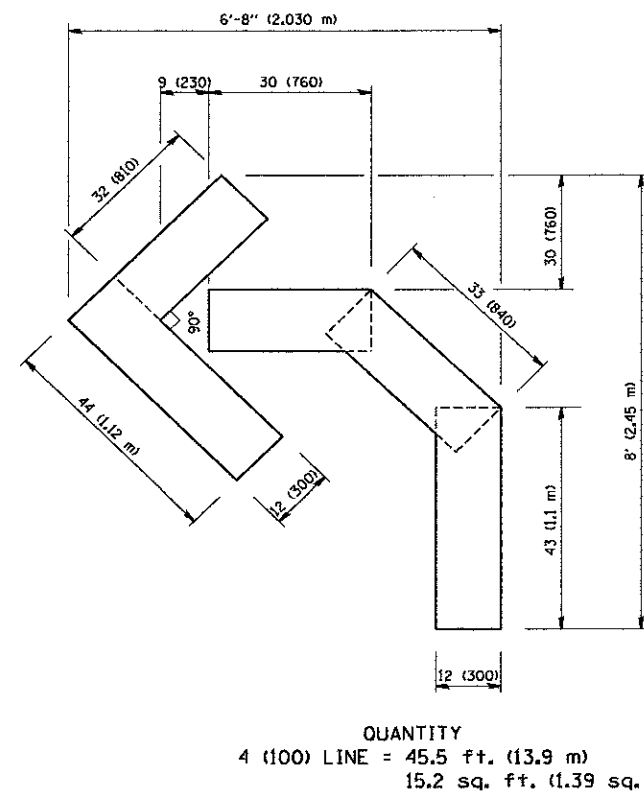
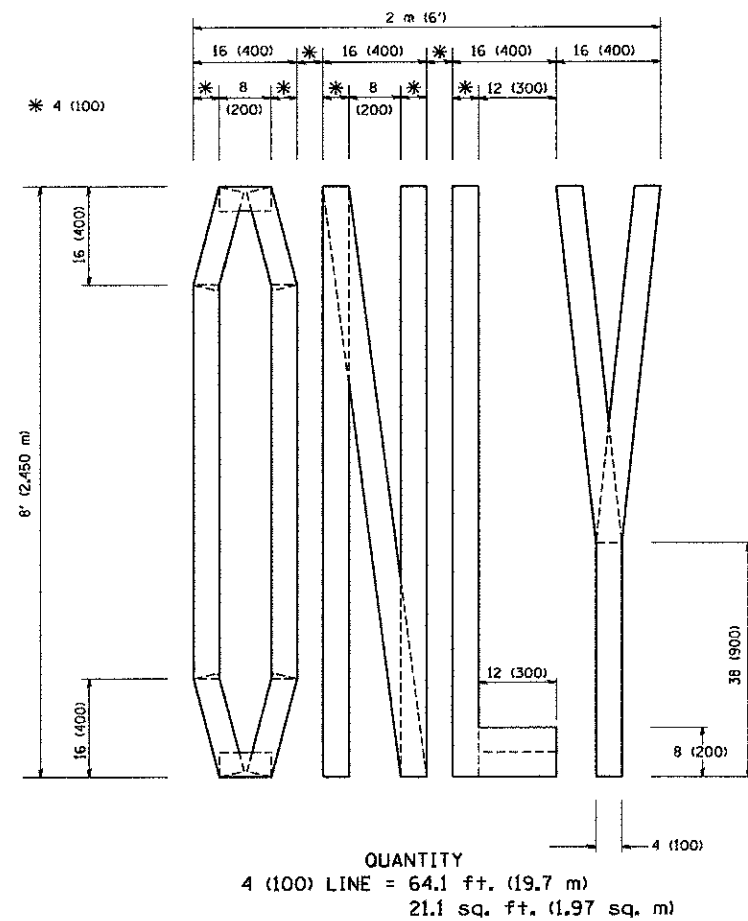
USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = W:\data\td\22x34\td10.dgn	USER NAME = gaghanobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. HOUSEH 03-06-96			10-00149-00-LS	COOK	69	65				
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96			TC-10	CONTRACT NO. 63723						
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

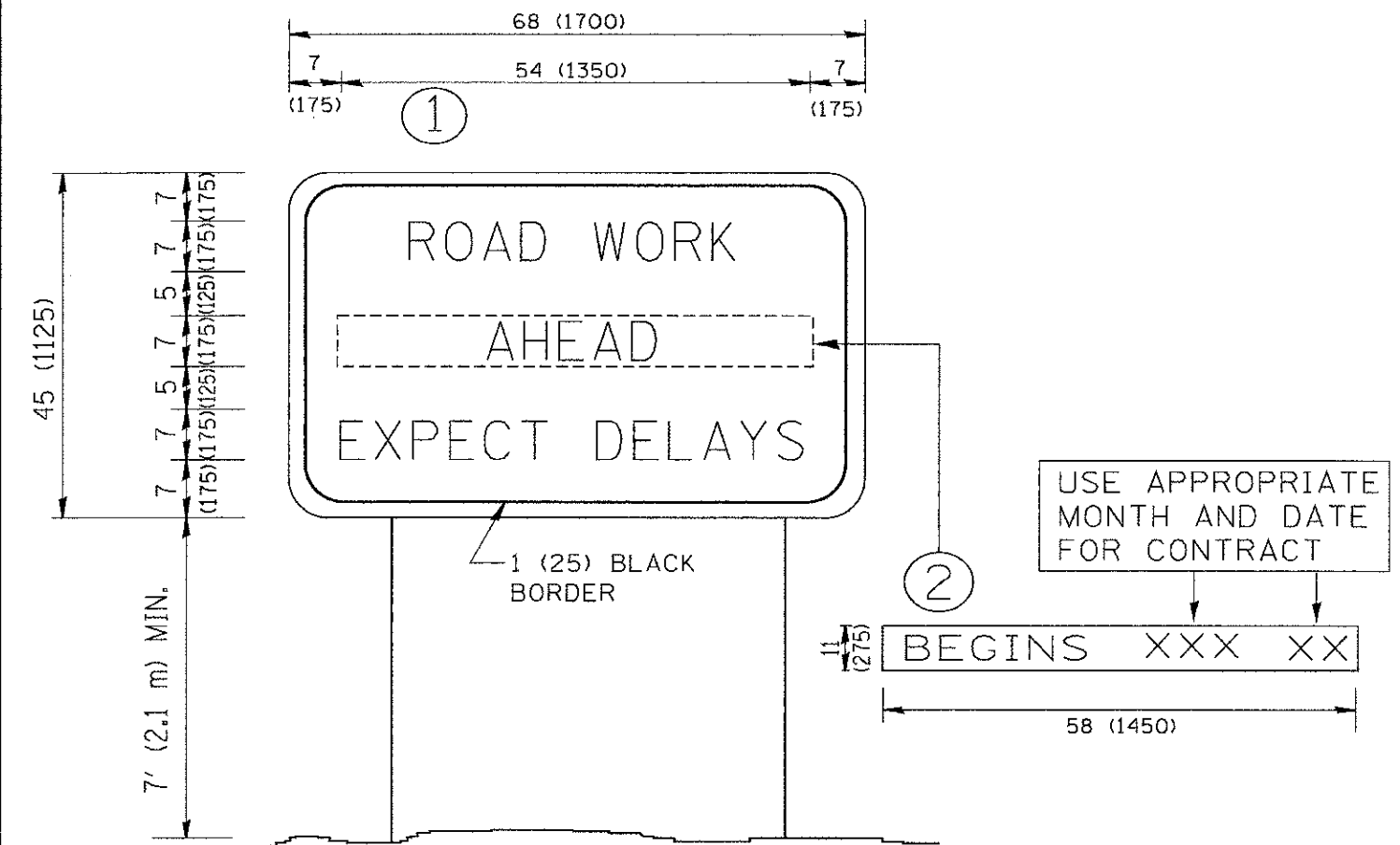
FILE NAME = W:\distatd\22x34\1c18.dgn	USER NAME = geglvanobt	DESIGNED -	REVISED - T. RAMMACHER 06-05-96
		DRAWN -	REVISED - T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000" / IN.	CHECKED -	REVISED - T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00

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.
	10-00149-00-LS	COOK	69	66
TC-16		CONTRACT NO. 63723		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



# NOTES:

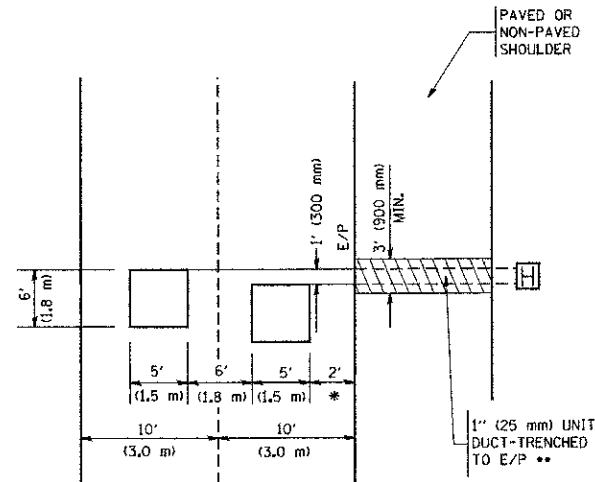
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

FILE NAME =	USER NAME = geghenobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
W:\distatd\22x34\to22.dgn		DRAWN -	REVISED - R. MIRS 12-11-97					10-00149-00-LS	COOK	69	67
		CHECKED -	REVISED - T. RAMMACHER 02-02-99					TC-22			
		DATE -	REVISED - C. JUCIUS 01-31-07						CONTRACT NO.	63723	
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

# LOOPS NEXT TO SHOULDERS

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

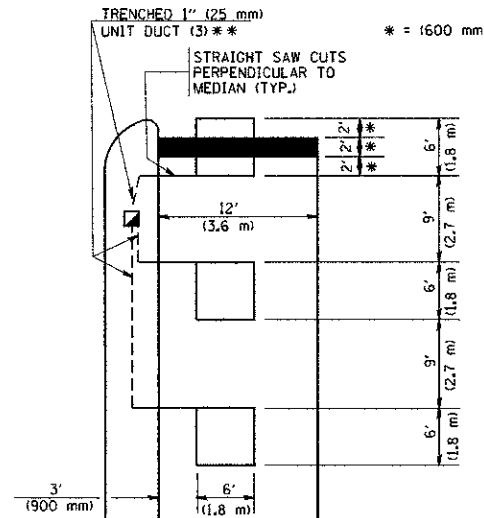


\* = (600 mm)

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

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

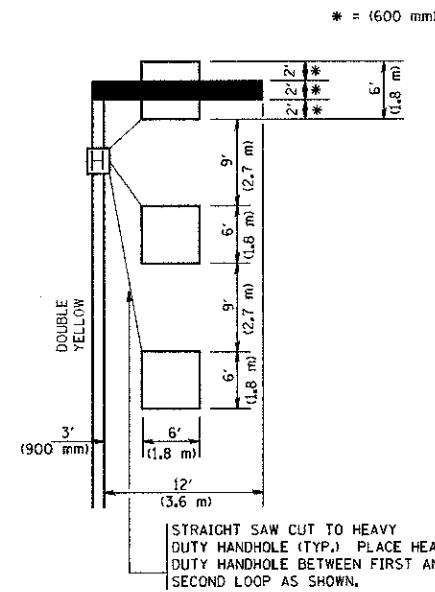
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

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

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



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

## NOTES:

## VEHICLES LOOP DETECTORS

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

## PLACEMENT OF DETECTORS

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

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

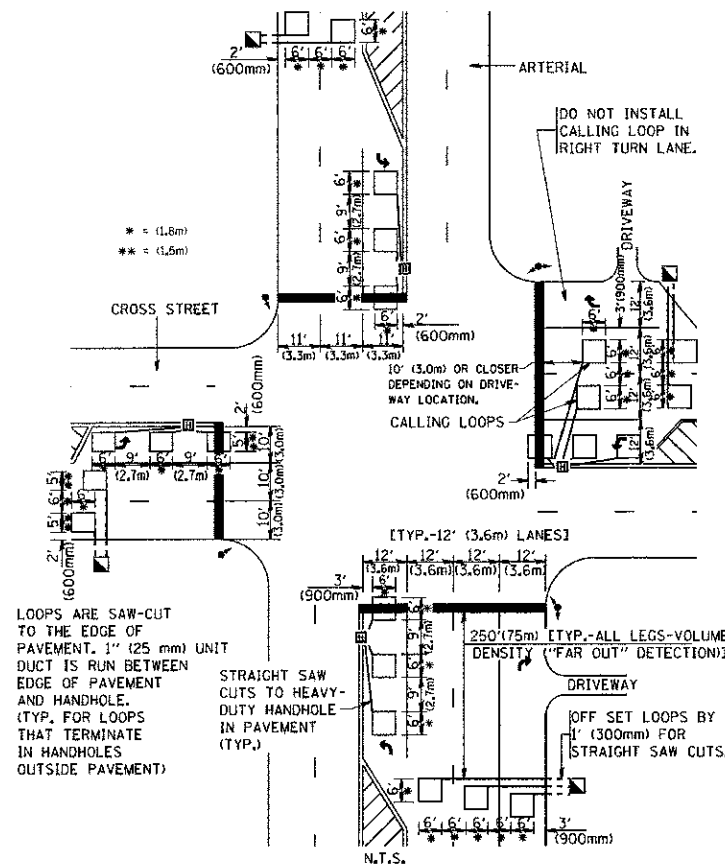
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

## NOTE:

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

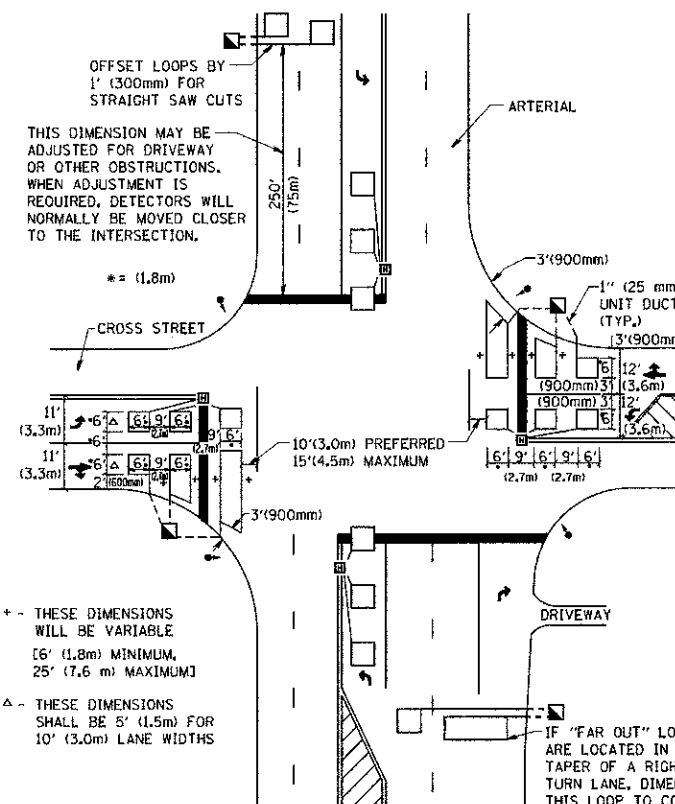
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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



DETAIL 1  
N.T.S.

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



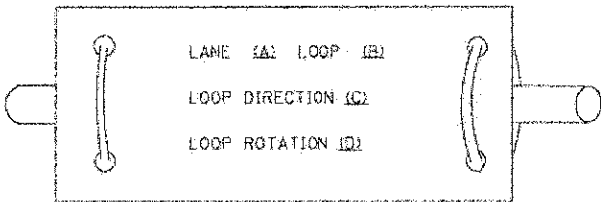
DETAIL 2  
N.T.S.

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = goglianob	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING		F.A. RTE. 3502	SECTION 10-00149-00-LS	COUNTY COOK	TOTAL SHEETS 69	SHEET NO. 68
PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISIED -	REVISIED -		SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
PLOT DATE = 1/4/2008	DATE -	REVISIED -	REVISIED -								CONTRACT NO. 63723

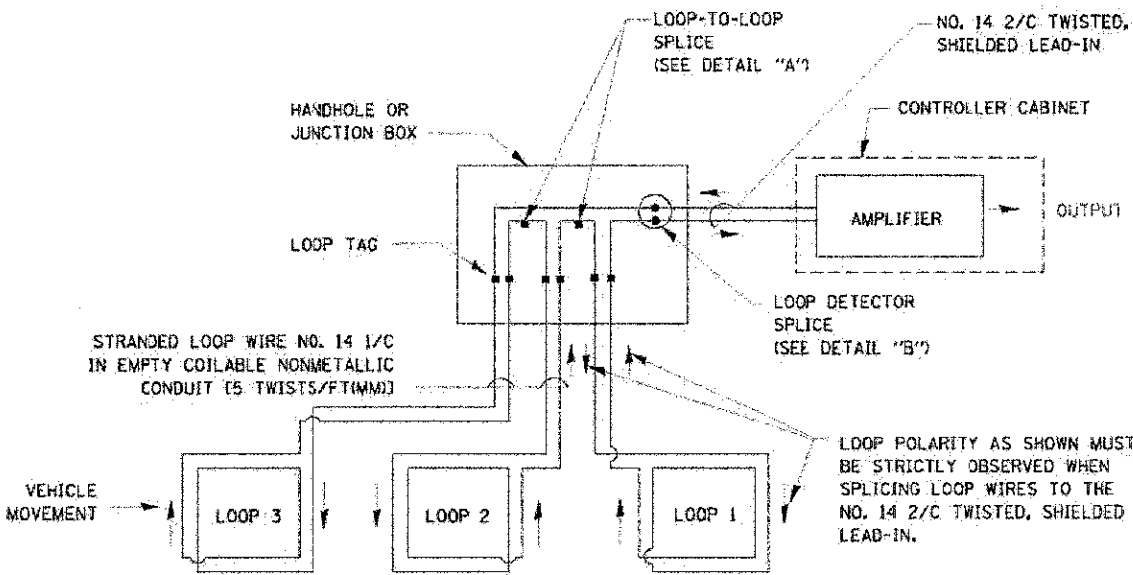
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

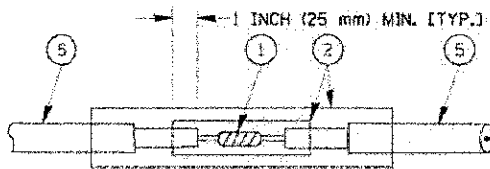


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

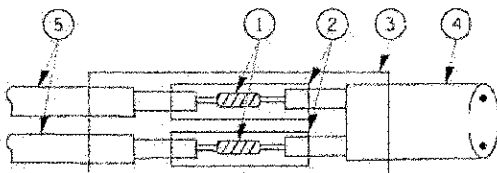


DETECTOR LOOP WIRING SCHEMATIC

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

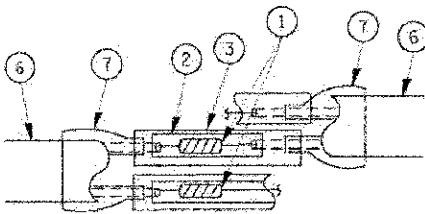


DETAIL "A"  
LOOP-TO-LOOP SPLICE

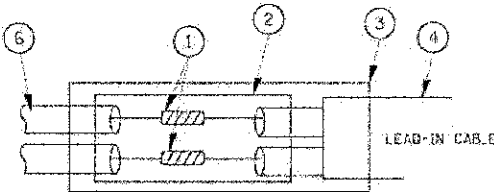


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

TYPE 1 LOOP



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
334	10-00149-00-LS	COOK	69
TS-05			CONTRACT NO. 63723
FED. ROAD DIST. NO. 1 ILLINOIS/IFB. AND PROJECT			

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