

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	**	COOK	29	1
ILLINOIS PROJECT		TE-00D1(823)		
SECTION		10-00095-00-SW		
CONTRACT NO. 63511				



LOCATION OF SECTION INDICATED THUS:

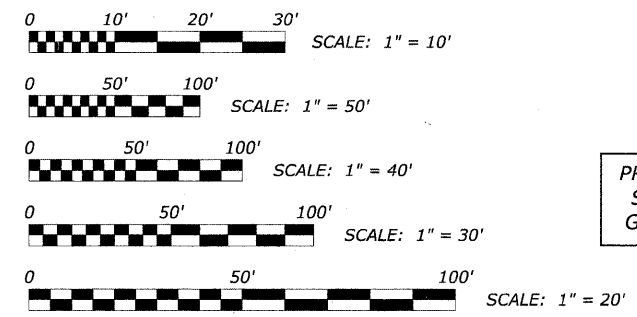
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
FAU 1376 GRAND AVENUE
DES PLAINES RIVER TO DAVISSON STREET
VILLAGE OF RIVER GROVE
SECTION 10-00095-00-SW
GRAND AVENUE STREETScape
PROJECT TE-00D1(823)
COOK COUNTY
C-91-509-10**

FOR INDEX OF SHEETS SEE SHEET NO. 2

TRAFFIC DATA

2030 ADT = 27,500
POSTED SPEED LIMIT: 30 MPH
DESIGN SPEED LIMIT: 30 MPH
MINOR ARTERIAL

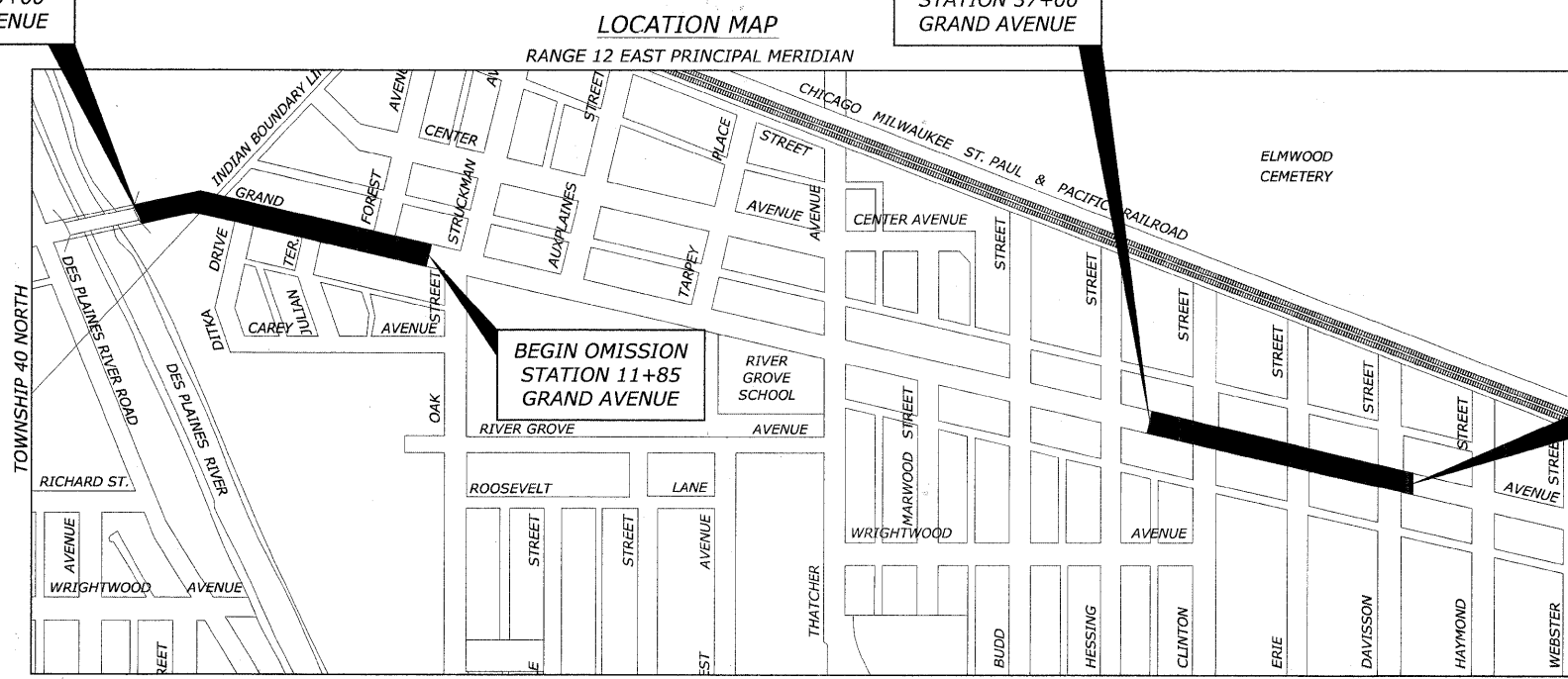
PROJECT LOCATED IN THE VILLAGE OF RIVER GROVE



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.

PROJECT BEGINS STATION 0+00 GRAND AVENUE

END OMISSION STATION 37+00 GRAND AVENUE



MAP SCALE : NONE
LEYDEN TOWNSHIP

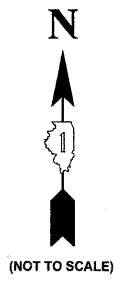
█ - AREA OF IMPROVEMENT
GROSS LENGTH OF PROJECT = 4,725 FT. = 0.895 MI.
NET LENGTH OF PROJECT = 2,210 FT. = 0.419 MI.

**STATE OF ILLINOIS
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

APPROVED *August 2, 2010*
Christopher J. May
VILLAGE OF RIVER GROVE, PRESIDENT

PASSED *JANUARY 5, 2011*
Christopher J. May
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

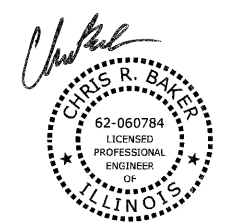
RELEASING FOR BID
BASED ON LIMITED
REVIEW *JANUARY 6, 2010*
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS,
REGION 1 ENGINEER



(NOT TO SCALE)

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENDS STATION 47+25 GRAND AVENUE



DATE SIGNED: 8-2-10
LICENSE EXPIRES: 11-30-11

EDWIN HANCOCK ENGINEERING COMPANY
9933 ROOSEVELT ROAD PHONE: (708)865-0300
WESTCHESTER, ILLINOIS 60154

E.H.E. NO. 760-10-00720

PROGRAM AND OFFICE ENGINEER: CHARLES E. RIDDLE, P.E., (847)705-4406, SCHAUMBURG, IL
Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage 1\COVER.dwg Aug 02, 2010 - 9:15am



CONTRACT NO. 63511

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LEGEND, BENCHMARKS, HIGHWAY STANDARDS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5-7	TYPICAL SECTIONS
8-12	STREETSCAPING PLANS AND PROFILES
13-15	ROADWAY DETAILS
16-17	LIGHTING PLANS
18-19	WIRING DIAGRAMS
20	LIGHTING DETAILS
21-22	LANDSCAPING PLANS
23	LANDSCAPING DETAILS
24-25	EROSION CONTROL PLANS
26	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
27	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
28	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
29	ARTERIAL ROAD INFORMATION SIGN (TC-22)

BENCHMARKS

GRAND AVENUE	
BM-1	BRASS PLATE ON NORTHWEST WINGWALL ON GRAND AVENUE BRIDGE AT DES PLAINES RIVER. 625.26
BM-21	WEST FLANGE BOLT ON FIRE HYDRANT AT NORTHEAST CORNER OF GRAND AVENUE AND INDIAN BOUNDARY ROAD. 626.92
BM-22	NORTHWEST FLANGE BOLT ON FIRE HYDRANT AT NORTHEAST CORNER OF GRAND AVENUE AND JULIAN TERRACE. 629.60
BM-23	NORTHEAST TOP FLANGE BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF GRAND AVENUE AND OAK STREET. 631.29
BM-25	NORTH TOP FLANGE BOLT ON FIRE HYDRANT AT NORTHEAST CORNER OF GRAND AVENUE AND PARK AVENUE. 630.74
BM-37	SOUTHEAST TOP FLANGE BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF GRAND AVENUE AND MARWOOD STREET. 630.97
BM-38	SOUTHEAST TOP FLANGE BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF GRAND AVENUE AND BUDD STREET. 630.41
BM-40	SOUTHEAST TOP FLANGE BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF GRAND AVENUE AND CLINTON STREET. 629.93
BM-41	SOUTHEAST TOP FLANGE BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF GRAND AVENUE AND ERIE STREET. 630.30
BM-42	SOUTHEAST TOP FLANGE BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF GRAND AVENUE AND DAVISSON STREET. 629.81
BM-43	SOUTHEAST TOP FLANGE BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF GRAND AVENUE AND HAYMOND STREET. 629.15
BM-44	SOUTHEAST TOP FLANGE BOLT ON FIRE HYDRANT AT SOUTHEAST CORNER OF GRAND AVENUE AND WEBSTER STREET. 629.65

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-05)

EXISTING	PROPOSED	DESCRIPTION
		COMBINATION SEWER COMBINED RELIEF SEWER
		STORM SEWER
		WATER MAIN
		MANHOLE, TYPE A, 4' DIAMETER
		INLET, TYPE A
		CATCH BASIN
		FIRE HYDRANT
		WATER MAIN VALVE BOX
		WATER SERVICE BOX
		STRUCTURE TO BE REMOVED
		EXISTING STRUCTURE TO BE ADJUSTED
		TYPE 1 FRAME & CLOSED LID
		TYPE 1 FRAME & OPEN LID
		RECONSTRUCT EXISTING STRUCTURE
		CURB & GUTTER TO BE REMOVED & REPLACED
		PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH REMOVAL & REPLACEMENT
		CLASS C PATCHES, 8 INCH
		PAVING BRICK SIDEWALK
		PORTLAND CEMENT CONCRETE SIDEWALK FIVE INCH, REM & REPLACE
		INCIDENTAL HOT-MIX ASPHALT SURFACING REMOVAL & REPLACEMENT
		HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
		TREE AND TREE PLANTER REMOVAL
		TREE REMOVAL BY OTHERS
		TOPSOIL FURNISH AND PLACE, 4"
		TREE WITH BOX PLANTER
		PEDESTRIAN LIGHT
		RIM ELEVATION (COMBINED SEWER) INVERT ELEVATION
		RIM ELEVATION (STORM) INVERT ELEVATION
		RIM ELEVATION (WATER MAIN) TOP OF WATER MAIN
		BITUMINOUS CONCRETE DRIVEWAY
		CONCRETE DRIVEWAY
		HANDHOLE
		TOP OF CURB ELEVATION
		EDGE OF PAVEMENT ELEVATION
		SUMMIT
		RDCB CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, SPECIAL
		INL INLETS, TYPE A, TYPE 1 FRAME, OPEN LID, SPECIAL
		B/G BREAK IN GRADE
		PT POINT OF TANGENT
		PC POINT OF CURVATURE
		E/P EDGE OF PAVEMENT
		T/C TOP OF CURB

HIGHWAY STANDARD

STANDARD NO.	TITLE OR DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
604001-03	FRAMES AND LIDS - TYPE 1
701606-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\2_Index.dwg Jan 10, 2011 - 10:42am

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911

USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT SCALE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
PLOT DATE -	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRAND AVENUE STREETSCAPE STAGE II
 INDEX OF SHEETS, LEGEND OF SYMBOLS, BENCHMARKS & HIGHWAY STANDARDS

F.A.U. RTE. 1376	SECTION 10-00095-00-SW	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 2
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT TE-00D1(623)	

ACCESS

THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ACCESS FOR EMERGENCY VEHICLES TO INGRESS AND EGRESS ONTO PRIVATE & COMMERCIAL PROPERTY DURING THE CONSTRUCTION PERIOD. ALSO DURING CONSTRUCTION, GARBAGE TRUCKS MUST BE PERMITTED ACCESS TO THE WORK ZONE IN ORDER TO PICK UP RESIDENTIAL AND COMMERCIAL GARBAGE FOR THOSE PROPERTIES FRONTING THE WORK ZONE. GARBAGE PICK-UP OCCURS ON MONDAYS.

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS TO MAINTAIN FLOWS AT ALL TIMES THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS. HE/ SHE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY AND A TEMPORARY OUTLET TO DISCHARGE THE WATER COLLECTED IN A SAFE MANNER WITHOUT DAMAGE OF ANY KIND TO ADJACENT PROPERTIES. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROJECT ARE TO BE SEALED AS SPECIFIED IN THE SPECIAL PROVISIONS. THE COST OF ALL THE PREVIOUSLY MENTIONED WORK SHALL BE INCLUDED IN THE ITEM FOR STORM SEWER CONNECTION, SPECIAL. ALL ACCUMULATION OF DEBRIS AND MATERIAL IN THE STRUCTURE FROM ANY SOURCE, SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.

PLUGGING EXISTING SEWERS

UNLESS OTHERWISE SPECIFIED, ABANDONED SEWERS AND DRAINS, AS DESIGNATED BY THE ENGINEER, SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF TWO (2) FOOT LONG NON-SHRINK/MORTAR PLUG. THIS WORK SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE PAY ITEMS FOR REMOVING AND/OR FILLING THE VARIOUS TYPES OF STRUCTURES.

TEMPORARY TRAFFIC CONTROL

THE RESIDENT ENGINEER SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES.

COMMERCIAL PROPERTY ACCESS

THE CONTRACTOR SHALL MAINTAIN ACCESS TO COMMERCIAL PROPERTIES AT ALL TIMES AS DIRECTED BY THE ENGINEER. THIS CAN INVOLVE THE STAGING OF DRIVEWAY REMOVAL AND REPLACEMENT, CURB AND GUTTER REMOVAL AND REPLACEMENT, AND SIDEWALK REMOVAL AND REPLACEMENT WITH DECORATIVE BRICK SIDEWALK AND THE USE OF TEMPORARY STONE FOR ACCESS. PAYMENT WILL NOT BE MADE SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE FOR THE RESPECTIVE PAY ITEMS IN THE CONTRACT.

EXISTING STRUCTURE MODIFICATIONS

ALL KNOWN EXISTING STRUCTURES IN THE PAVEMENT OR ADJACENT AREAS WHICH ARE INVOLVED IN THE CONSTRUCTION HAVE BEEN SHOWN ON THE PLANS AND NOTED AS TO BE REMOVED, FILLED, RECONSTRUCTED, OR ADJUSTED BY THE CONTRACTOR EXCEPT THOSE OF AMERITECH, COMED, AND THE NICOR GAS COMPANY, WHICH ARE TO BE ADJUSTED BY THE APPROPRIATE UTILITY OWNER WHERE EXISTING STRUCTURES ARE TO REMOVED OR FILLED, OR THE EXISTING CASTING REPLACED, THE CASTINGS REMOVED FROM THE STRUCTURE BECOME THE PROPERTY OF THE VILLAGE OF RIVER GROVE AND WILL BE PICKED UP BY THE PUBLIC WORKS DEPARTMENT.

SAW CUTTING

THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AND DRIVEWAY PAVEMENT AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER, TO SEPARATE THE EXISTING PAVEMENT TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS DIRECTED BY THE ENGINEER. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR SO AS NOT TO DAMAGE THE REMAINING PAVEMENT DIRECTLY ADJACENT TO THE PAVEMENT TO BE REMOVED. ANY DAMAGE TO THE EXISTING PAVEMENT RESULTING FROM PAVEMENT REMOVAL OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE PRICE OF SAW CUTTING, AS NOTED ABOVE, SHALL BE INCLUDED IN THE PARTICULAR PAY ITEMS.

CONNECTION OF DISSIMILIAR PIPE MATERIALS

FLEXIBLE CONNECTORS SHALL BE USED WHERE NEW SEWER PIPES ARE TO BE CONNECTED TO EXISTING SEWER PIPES. THE FLEXIBLE CONNECTORS SHALL CONSIST OF A SYNTHETIC RUBBER SLEEVE, WHICH WILL RESIST DETERIORATION CAUSED BY WASTES FOUND IN SEWERS AND TWO STAINLESS STEEL STRAPS. THE CONNECTORS SHALL BE "MISSION" COUPLINGS, "FERNCO" COUPLINGS, OR EQUAL. ALL LABOR AND MATERIAL REQUIRED TO CONNECT NEW SEWER PIPE TO EXISTING SEWER PIPE SHALL BE CONSIDERED INCLUDED IN THE RESPECTIVE SEWER PAY ITEMS.

FORMS FOR CONCRETE SIDEWALKS, DRIVEWAYS, PAVEMENT, AND GUTTER FLAGS

A 2" X 6" BOARD WILL BE USED AS A FORM FOR ALL SIDEWALKS TO BE INSTALLED FIVE INCHES (5") IN THICKNESS. A 2" X 8" BOARD WILL BE USED AS A FORM FOR ALL DRIVEWAYS TO BE INSTALLED SEVEN INCHES (7") IN THICKNESS. A 2" X 10" BOARD WILL BE USED AS THE FORM FOR ALL ALLEY RETURN PAVEMENTS TO BE INSTALLED EIGHT INCHES (8") IN THICKNESS. A 2" X 12" BOARD WILL BE USED AS THE FORM FOR THE FACE OF THE GUTTER FLAGS TO BE INSTALLED TEN INCHES (10") IN THICKNESS. ALL FORMS MUST BE OF A MINIMUM HEIGHT OF THE PROPOSED THICKNESS OF THE REPSECTIVE CONCRETE ITEMS TO BE INSTALLED.

PAVEMENT MARKINGS

THE RESIDENT ENGINEER SHALL CALL THE IDOT AREA TRAFFIC FIELD ENGINEER, WALTER CZARNY, AT (773) 685-8386 AT LEAST 2 (TWO) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

NOTIFICATION OF RESIDENTS

THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING WRITTEN NOTICE TO ALL RESIDENCES AND/OR PLACES OF BUSINESS AT LEAST ONE (1) WORKING DAY PRIOR TO PERFORMING CONSTRUCTION ACTIVITY THAT WILL TEMPORARILY ELJMINATE ACCESS TO THEIR PROPERTY. THE WRITTEN NOTICE SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE BEGINNING OF CONSTRUCTION.

NOTIFICATION OF CONSTRUCTION

THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

CONCRETE BREAKERS

WHEN REMOVING PAVEMENT, CURB AND GUTTER, SHOULDER, AND/OR ANY OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS SUCH AS DROP HAMMERS, WHICH MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES, WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED.

OPEN EXCAVATIONS

LEAVING OPEN EXCAVATIONS NECESSARY FOR PAVEMENT PATCHES OR STRUCTURE ADJUSTMENTS OVERNIGHT WILL NOT BE ALLOWED ON THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETELY BACKFILLING OR PLATING OVER ALL EXCAVATIONS AT THE END OF EACH DAY. IF THE EXCAVATIONS ARE BACKFILLED THEY SHALL BE FILLED WITH AN AGGREGATE MEETING THE GRADATION OF CA-6. THE MATERIAL WILL BE COMPACTED SUFFICIENTLY TO PREVENT RUTTING OR SETTLEMENT OF MATERIAL UNDER TRAFFIC LOADS. IF PLATES ARE USED THEY SHALL BE OF SUFFICIENT THICKNESS TO SUPPORT VEHICULAR LOADS. THE PLATES SHALL EXTEND A MINIMUM OF NINE INCHES (9") BEYOND THE LIMITS OF THE EXCAVATION ON ALL SIDES. IF THE PLATES ARE TO BE LEFT OVER THE WEEKEND, THE EDGES OF THE PLATES SHALL BE CUSHIONED WITH A BITUMINOUS MIXTURE IN AREAS WHERE VEHICULAR TRAFFIC WILL CROSS THE PLATES.

PROJECT DATUM

PROJECT DATUM IS NAVD88.

STREET SIGNS

IF ANY SIGNS ARE DAMAGED DURING CONSTRUCTION THEY SHALL BE REPLACED.

NON-SPECIAL WASTE

THE CONTRACTOR WILL BE RESPONSIBLE FOR HIRING AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LUST CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL. CONTAMINATION AND MONITOR FOR WORKER PROTECTION IN AREAS NOTATED WITH SPECIAL DESIGNATION ON PLAN SHEETS.

PROTECTION OF NEW CONCRETE

THE CONTRACTOR SHALL HAVE MEMBERS OF THEIR WORK-FORCE AT THE JOB SITE AFTER CONCRETE HAS BEEN POURED UNTIL THE CONCRETE HAS CURED SUFFICIENTLY SO THAT NO GRAFFITI CAN BE INSCRIBED IN THE NEWLY POURED CONCRETE SURFACES. THE EXPOSED FACES OF CONCRETE OF ANY ITEMS THAT ARE DEFACED SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.

CONCRETE PROTECTION

AFTER THE CONCRETE HAS BEEN FINISHED AND THE WATER SHEEN HAS DISAPPEARED FROM THE SURFACE OF THE CONCRETE, THE SURFACE SHALL BE SEALED WITH MEMBRANE CURING COMPOUND OF A TYPE APPROVED BY THE ENGINEER. THE SEAL SHALL BE MAINTAINED FOR THE SPECIFIED CURING PERIOD. THE EDGES OF THE CONCRETE SHALL ALSO BE SEALED IMMEDIATELY AFTER THE FORMS ARE REMOVED. IN ADDITION, ALL CONCRETE PLACED AFTER OCTOBER 15TH, SHALL BE PROTECTED IN ACCORDANCE WITH ARTICLE 1020.13 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS CONCRETE ITEMS IN THE CONTRACT. PROTECTIVE COAT CHALL BE PAID FOR ACCORDING TO SECTION 420.

THE WORK SHALL BE UNDER THE CHARGE AND CARE OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY INJURY OR DAMAGE TO THE WORK FROM ANY CAUSE WHATSOEVER AND HE SHALL REBUILD, REPAIR OR RESTORE THE DAMAGED WORK AT HIS OWN EXPENSE.

BITUMINOUS EXPANSION JOINT

THREE-QUARTER INCH (3/4") BITUMINOUS PREMOLDDED INORGANIC FIBER EXPANSION JOINTS SHALL BE INSTALLED WHERE NEW SIDEWALK OR CURB AND GUTTER OR DRIVEWAY PAVEMENT ABUTS AN EXISTING CONCRETE WALK, DRIVE, OR CURB WHICH IS TO REMAIN IN PLACE, AND AT NOT LESS THAN FIFTY FOOT (50') INTERVALS AT LOCATIONS WHERE SIDEWALK REPLACEMENT IS IN EXCESS OF FIFTY FEET (50'), AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.

EXPANSION JOINTS WILL BE PLACED IN CURB AND GUTTER AT ALL RADIUS POINTS, ALL BEND POINTS, ON BOTH SIDES OF FRAMES AND GRATES THAT ARE IN THE CURB AND GUTTER, AND AT NOT LESS THAN NINETY FOOT (90') INTERVALS AT LOCATIONS WHERE CURB REPLACEMENT IS IN EXCESS OF NINETY FEET (90'), AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.

ALL EXPANSION JOINTS LOCATED IN THE CURB AND GUTTER SHALL HAVE TWO (2) THREE QUARTER INCH (3/4") DIAMETER, SMOOTH, ROUND, EPOXY COATED DOWEL BARS, EIGHTEEN INCHES (18") IN LENGTH, WITH PLASTIC END CAPS INSERTED TO ALLOW THE CURB AND GUTTER TO EXPAND AND CONTRACT LATERALLY.

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\3_Cen-Notes.dwg Jan 05, 2011 - 10:13am

 <p>HANCOCK ENGINEERING Civil Engineers Municipal Consultants Established 1911</p>	USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GRAND AVENUE STREETScape STAGE II GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE -	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL			1376	10-00095-00-SW	COOK	29	3	
	PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE			(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511			
		DATE - 03-02-10	REVISED - 3-19-10 MWRDGC			FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT TE-00D1(823)	
					SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		
E.H.E PROJECT NO. 760-10-00720											

SUMMARY OF QUANTITIES

CODE	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 0031 80% FEDERAL 20% LOCAL
~ * X2080260	TRENCH BACKFILL, SPECIAL	CU YD	40	40
~ * 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,775	1,775
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	35	35
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	35	35
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	35	35
* 25200100	SODDING	SQ YD	1,775	1,775
* 25200200	SUPPLEMENTAL WATERING	UNIT	20	20
~ * 28000510	INLET FILTERS	EACH	30	30
~ 35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,335	1,335
~ 35300100	PORTLAND CEMENT CONCRETE BASE COURSE 6"	SQ YD	475	475
~ 35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	325	325
~ 35501287	HOT-MIX ASPHALT BASE COURSE, 2 1/4"	SQ YD	555	555
~ 40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	200	200
~ 40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	67	67
~ 40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	125	125
~ 42001300	PROTECTIVE COAT	SQ YD	4,200	4,200
~ 42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	240	240
~ 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	27,750	27,750
~ 42400800	DETECTABLE WARNINGS	SQ FT	296	296
~ 44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1,300	1,300
~ 44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	795	795
~ 44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	3,900	3,900
~ 44201335	CLASS C PATCHES, TYPE IV, 8 INCH	SQ YD	100	100
~ * 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	50	50
~ * 56500800	DOMESTIC WATER SERVICE BOXES	EACH	2	2
~ 60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1
~ 60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	2
~ 60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5
~ 60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5
~ 60600605	CONCRETE CURB, TYPE B	FOOT	582	582
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	121	121
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1
~ 67100100	MOBILIZATION	L SUM	1	1

~ DENOTES SPECIAL PROVISION HAS BEEN PROVIDED
* DENOTES SPECIALTY ITEM

CODE	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 0031 80% FEDERAL 20% LOCAL
~ 70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
~ 70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	140	140
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	20	20
* 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	500	500
* 81603080	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	4,800	4,800
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	4,330	3,900
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	222	222
~ 550B0320	STORM SEWERS, C' ASS B, TYPE 2 8"	FOOT	30	30
~ 550B0330	STORM SEWERS, CLASS B, TYPE 2 10"	FOOT	80	80
* A2000616	TREE, ACER PLATANOIDES (NORWAY MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
* B0237345	TREE, PYRUS CALLERYANA CLEVELAND (CLEVELAND SELECT CALLERY PEAR), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	8	8
* B2006316	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6
~ LR430040	PAVING BRICK SIDEWALK	SQ YD	2,135	2,135
~ * X0323857	EXISTING LIGHT POLE FOUNDATION ADJUSTMENT	EACH	4	4
~ X0326210	GEOTECHNICAL FABRIC, SPECIAL	SQ YD	2,135	2,135
~ * X0326441	STONE BEDDING MATERIAL	TON	500	500
~ * X2111110	TOP SOIL Placement	CU YD	55	55
~ X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	46,965	46,965
~ X6022805	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID, SPECIAL	EACH	4	4
~ X6022900	CATCH BASINS TO BE RECONSTRUCTED (SPECIAL)	EACH	1	1
~ X6023204	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID, SPECIAL	EACH	7	7
~ X6025300	CATCH BASINS TO BE ADJUSTED (SPECIAL)	EACH	15	15
~ X6025600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	5	5
~ X6028000	MANHOLES TO BE RECONSTRUCTED (SPECIAL)	EACH	2	2
~ X6029600	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL	EACH	4	4
~ X6064200	COMBINATION CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	3,900	3,900
~ * X8140115	HANDHOLE TO BE ADJUSTED	EACH	3	3
~ Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	12	12
~ * Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	6
~ Z0076600	TRAINEES (CONSTRUCTION CODE 0042)	hour	500	
~ XX000541	EXPLORATORY EXCAVATION	CU YD	25	25
~ XX000717	STORM SEWER CONNECTION, SPECIAL	EACH	2	2
~ * XX006834	ELECTRICAL CONNECTION TO EXISTING LIGHTING SYSTEM	EACH	4	4
~ XX006993	10" X 4" CATCH BASIN TRAP AND RESTRICTOR	EACH	4	4
~ * XX007151	PLANTER RAILING	FOOT	550	550
~ * XX007152	DECORATIVE LIGHT POLE, ALUMINUM, 12' MOUNTING HEIGHT	EACH	37	37
~ * XX007153	DECORATIVE ACORN STYLE LUMINAIRE, SODIUM VAPOR, TENON MOUNT, 70 WATT	EACH	37	37

Drawing file: \\Projects\76010007 - Grand Ave Streetscape Stage II\4_SUMM01.dwg Jan 10, 2011 10:02:00am



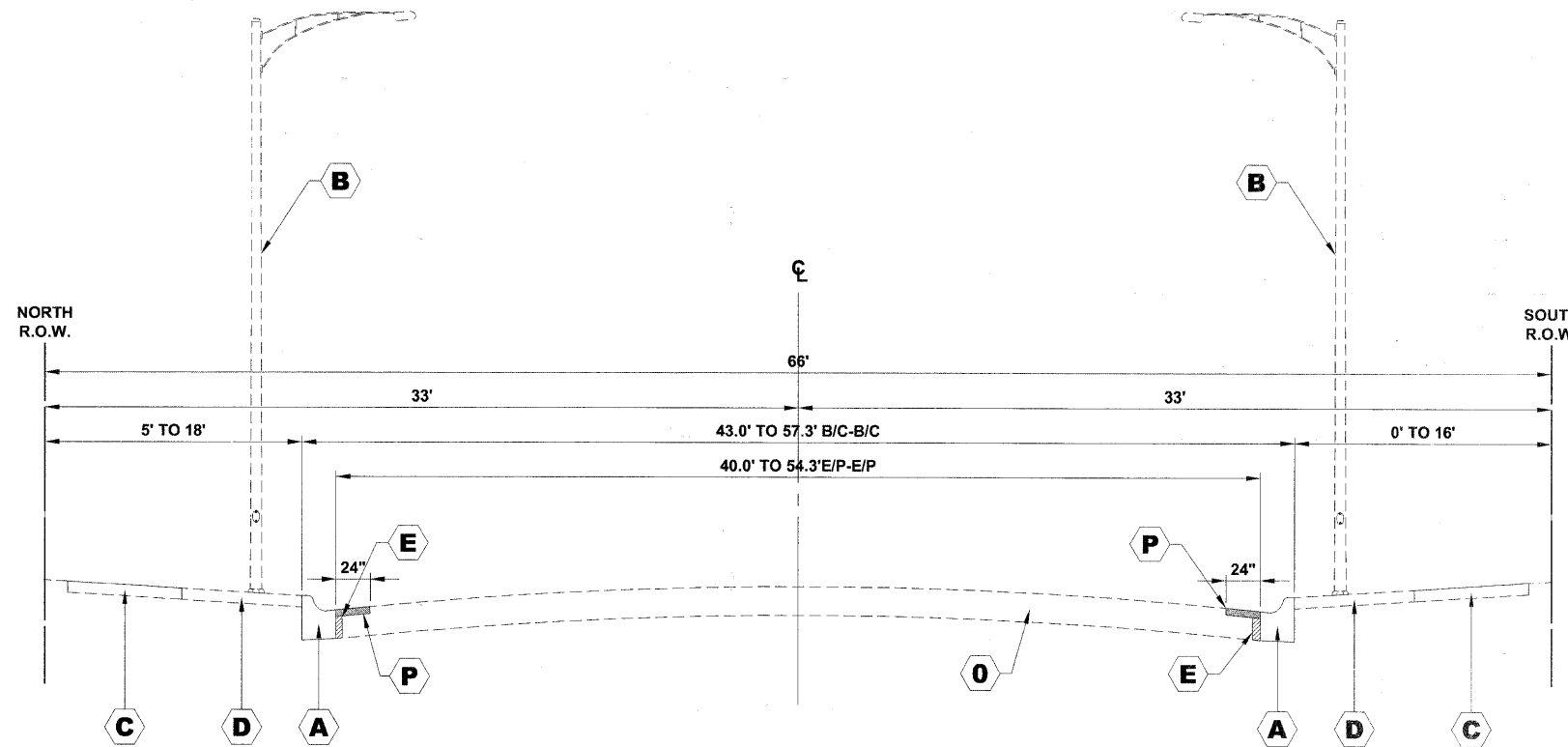
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PLOT SCALE -	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

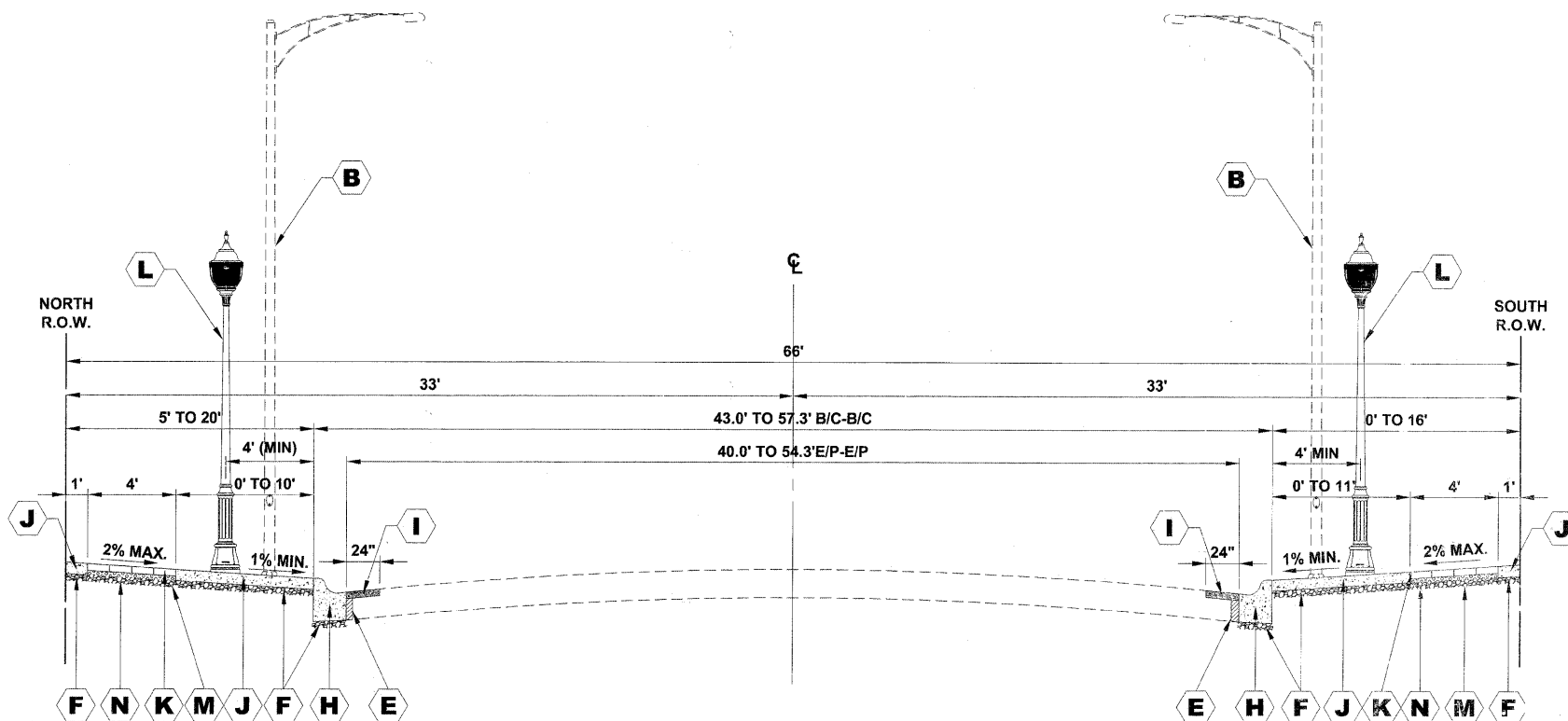
**GRAND AVENUE STREETScape STAGE II
SUMMARY OF QUANTITIES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	4
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

E.H.E PROJECT NO. 760-10-00720



EXISTING TYPICAL CROSS SECTION
GRAND AVENUE
STATION 00+00 TO STATION 4+00



PROPOSED TYPICAL CROSS SECTION
GRAND AVENUE
STATION 00+00 TO STATION 4+00

SYMBOL DESCRIPTION

- A** COMBINATION CONCRETE CURB AND GUTTER REMOVAL (AS NOTED ON PLANS)
- B** EXISTING ROADWAY LIGHT POLE, 35' MOUNTING HEIGHT WITH 8' OR 12' MAST ARM AT APPROXIMATELY 180' SPACING
- C** EXISTING PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL TO BE PAID FOR AS SIDEWALK REMOVAL (SPECIAL)
- D** EXISTING SIDEWALK AREA - PORTLAND CEMENT CONCRETE, ASPHALT, OR AS NOTED ON PLANS REMOVAL TO BE PAID FOR AS SIDEWALK REMOVAL OR DRIVEWAY REMOVAL AS NOTED ON PLANS
- E** 6" CONCRETE WEDGE (INCLUDED IN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL))
- F** STONE BEDDING MATERIAL (2")
- G** AGGREGATE BASE COURSE, TYPE B, 4"
- H** COMBINATION CONCRETE CURB AND GUTTER WITH COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
- I** HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- J** PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
- K** PAVING BRICK SIDEWALK
- L** DECORATIVE LIGHT POLE, ALUMINUM, 12' MOUNTING HEIGHT WITH DECORATIVE ACORN STYLE LUMINAIRE, SODIUM VAPOR, TENON MOUNT, 70 WATT
- M** GEOTECHNICAL FABRIC (SPECIAL)
- N** PORTLAND CEMENT CONCRETE BASE COURSE 6"
- O** EXISTING PAVEMENT (HMA SURFACE COURSE OVER PCC BASE) THICKNESS OF PCC BASE +/- 8"
- P** HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT BASE COURSE, 2 1/4"	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	4% @ 70 GYR.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	4% @ 50 GYR.

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

NOTE:

USE PORTLAND CEMENT CONCRETE BASE COURSE 6" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALK BUTTS AGAINST CURB AND FOR PORTIONS OF SIDEWALK WITH KEYSTONE AND CROSS-WALKS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

USE PORTLAND CEMENT CONCRETE BASE COURSE, 8" UNDER PAVING BRICK SIDEWALKS CROSS DRIVEWAY PAVEMENTS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\5_Typicals.dwg Jun 10, 2011 1:03pm



USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

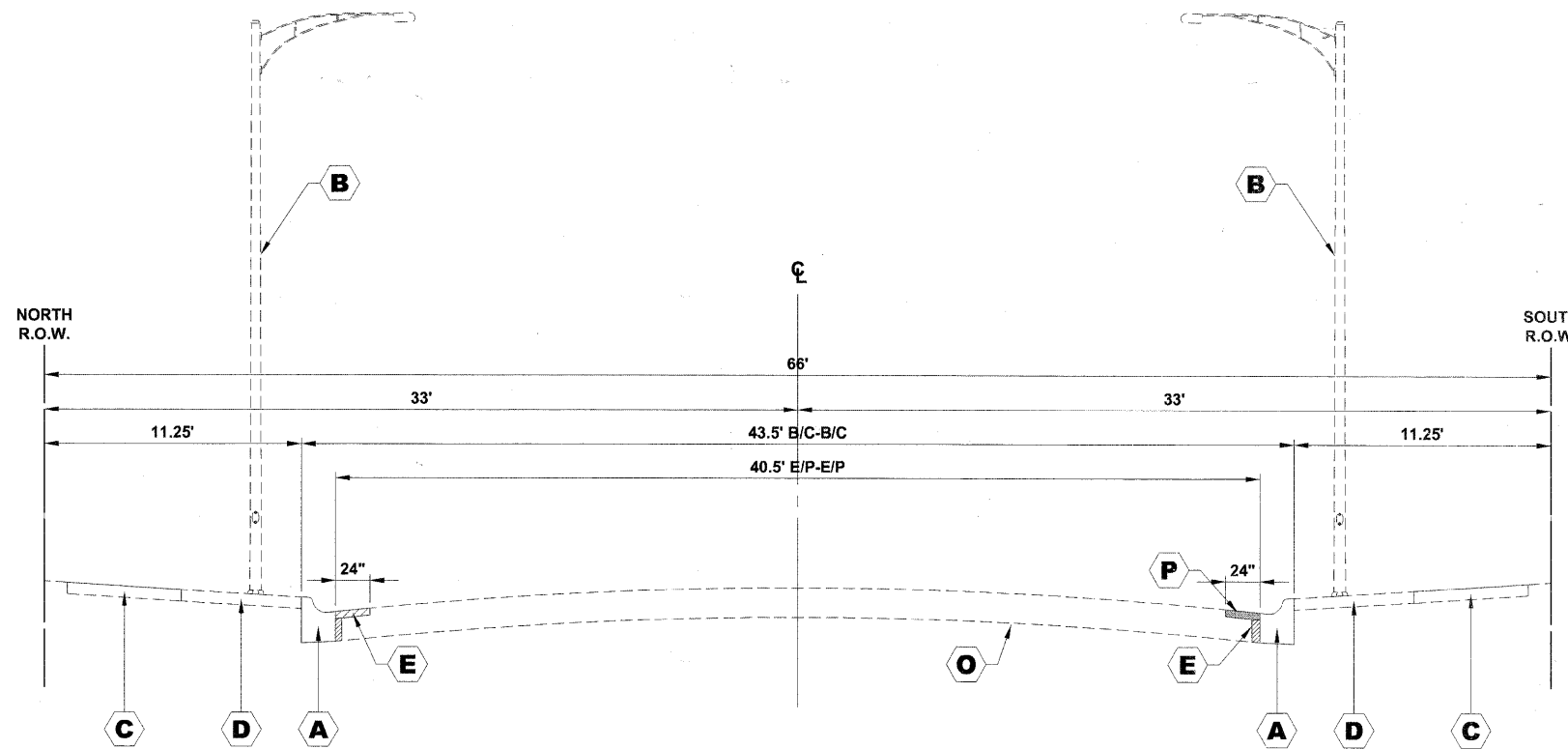
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRAND AVENUE STREETScape STAGE II
TYPICAL CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	5
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

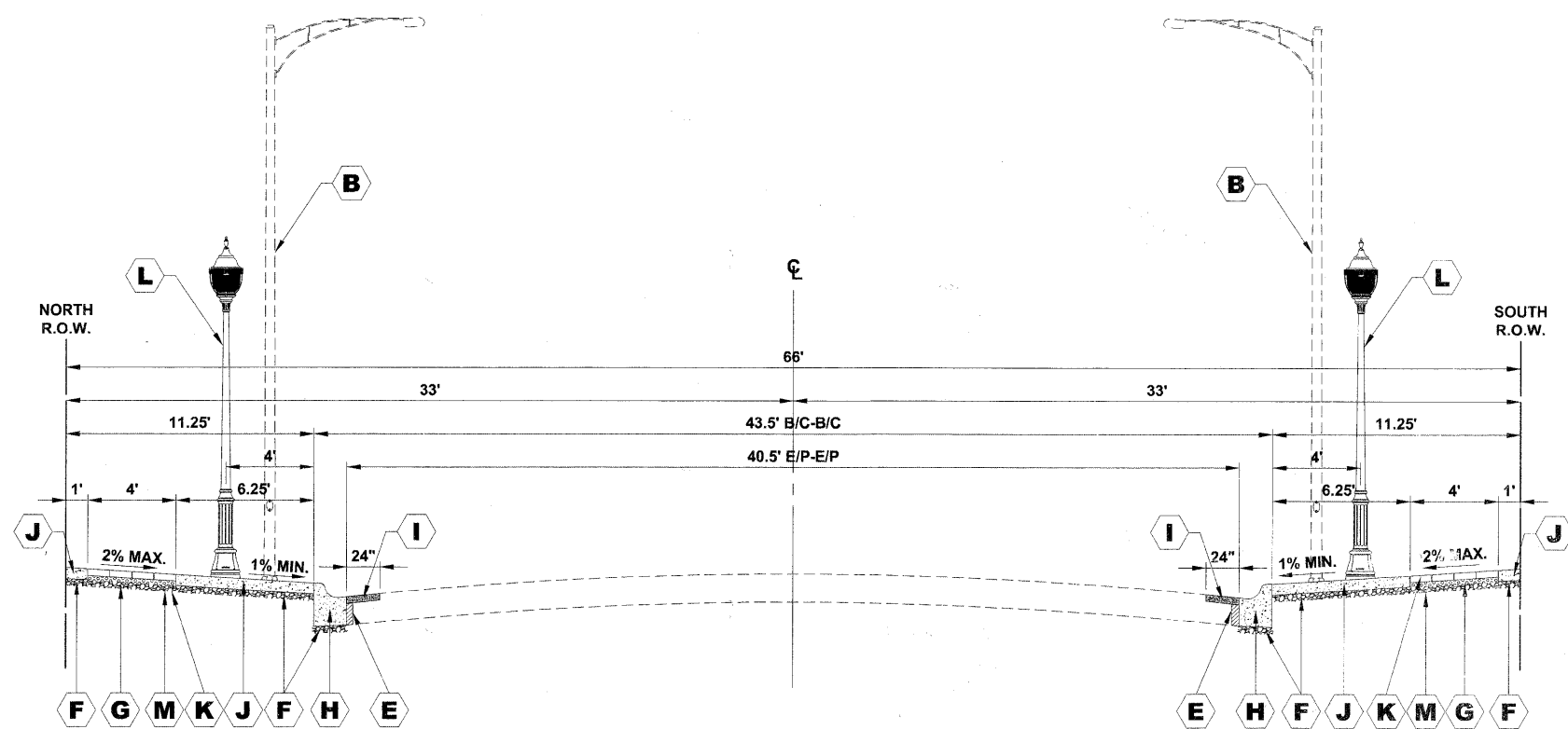
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E.H.E PROJECT NO. 760-10-0070



EXISTING TYPICAL CROSS SECTION
GRAND AVENUE
STATION 4+00 TO STATION 11+85

SYMBOL	DESCRIPTION
A	COMBINATION CONCRETE CURB AND GUTTER REMOVAL (AS NOTED ON PLANS)
B	EXISTING ROADWAY LIGHT POLE, 35' MOUNTING HEIGHT WITH 8' OR 12' MAST ARM AT APPROXIMATELY 180' SPACING
C	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL TO BE PAID FOR AS SIDEWALK REMOVAL (SPECIAL)
D	EXISTING SIDEWALK AREA - PORTLAND CEMENT CONCRETE, ASPHALT, OR AS NOTED ON PLANS REMOVAL TO BE PAID FOR AS SIDEWALK REMOVAL OR DRIVEWAY REMOVAL AS NOTED ON PLANS
E	6" CONCRETE WEDGE REMOVAL AND PLACEMENT (INCLUDED IN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL))
F	STONE BEDDING MATERIAL (2")
G	AGGREGATE BASE COURSE, TYPE B, 4"
H	COMBINATION CONCRETE CURB AND GUTTER REMOVAL WITH COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (SPECIAL)
I	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
J	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
K	PAVING BRICK SIDEWALK
L	DECORATIVE LIGHT POLE, ALUMINUM, 12' MOUNTING HEIGHT WITH DECORATIVE ACORN STYLE LUMINAIRE, SODIUM VAPOR, TENON MOUNT, 70 WATT
M	GEOTECHNICAL FABRIC (SPECIAL)
N	PORTLAND CEMENT CONCRETE BASE COURSE 6"
O	EXISTING PAVEMENT (HMA SURFACE COURSE OVER PCC BASE) THICKNESS OF PCC BASE +/- 10"
P	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"



PROPOSED TYPICAL CROSS SECTION
GRAND AVENUE
STATION 4+00 TO STATION 11+85

NOTE:
 USE PORTLAND CEMENT CONCRETE BASE COURSE 6" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALK BUTTS AGAINST CURB AND FOR PORTIONS OF SIDEWALK WITH KEYSTONE AND CROSS-WALKS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.
 USE PORTLAND CEMENT CONCRETE BASE COURSE, 8" UNDER PAVING BRICK SIDEWALKS CROSS DRIVEWAY PAVEMENTS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

Drawing file: W:\Projects\76610007 - Grand Ave Streetscape Stage II\5_Typicals.dwg Jan 10, 2011 1:03pm

HANCOCK ENGINEERING
 3531 Riverside Blvd
 Wheeling, Illinois 60094-2700
 Phone: 708-963-0100
 Fax: 708-963-0101
 Established 1911

USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT SCALE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
PLOT DATE -	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

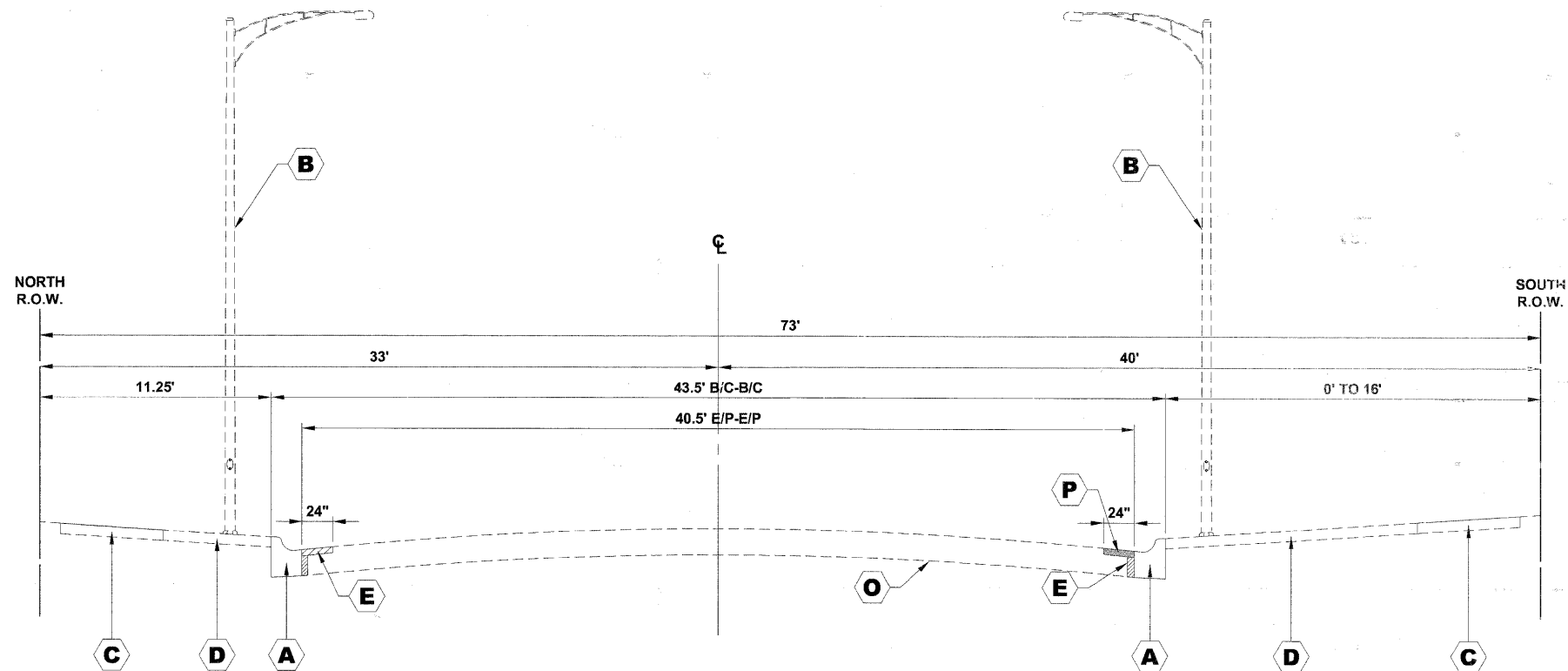
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRAND AVENUE STREETSCAPE STAGE II
TYPICAL CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	6
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

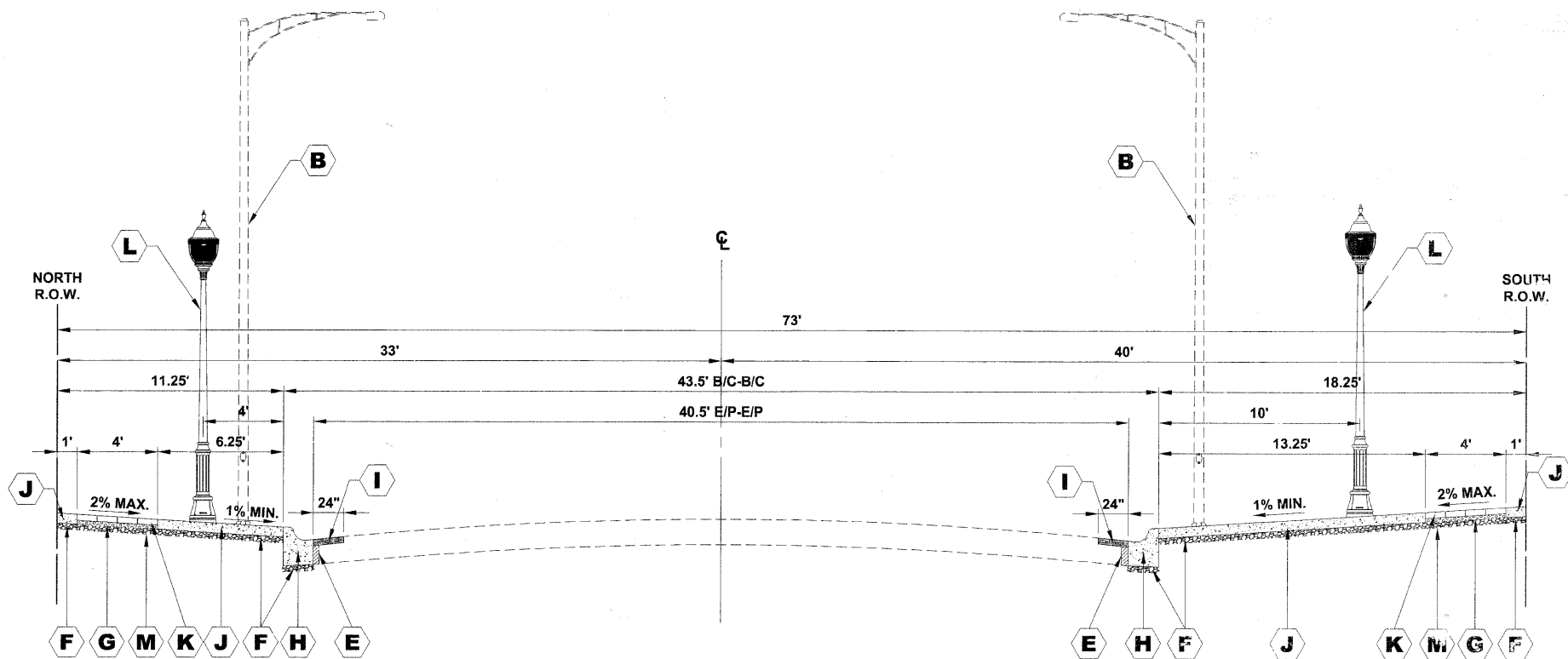
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E.H.E PROJECT NO. 766-10-00720



EXISTING TYPICAL CROSS SECTION
GRAND AVENUE
STATION 37+00 TO STATION 47+25

SYMBOL	DESCRIPTION
A	COMBINATION CONCRETE CURB AND GUTTER REMOVAL (AS NOTED ON PLANS)
B	EXISTING ROADWAY LIGHT POLE, 35' MOUNTING HEIGHT WITH 8' OR 12' MAST ARM AT APPROXIMATELY 180' SPACING
C	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL TO BE PAID FOR AS SIDEWALK REMOVAL (SPECIAL)
D	EXISTING SIDEWALK AREA - PORTLAND CEMENT CONCRETE, ASPHALT, OR AS NOTED ON PLANS REMOVAL TO BE PAID FOR AS SIDEWALK REMOVAL OR DRIVEWAY REMOVAL AS NOTED ON PLANS
E	6" CONCRETE WEDGE REMOVAL AND PLACEMENT (INCLUDED IN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL))
F	STONE BEDDING MATERIAL (2")
G	AGGREGATE BASE COURSE, TYPE B, 4"
H	COMBINATION CONCRETE CURB AND GUTTER WITH COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (SPECIAL)
I	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
J	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH
K	PAVING BRICK SIDEWALK
L	DECORATIVE LIGHT POLE, ALUMINUM, 12' MOUNTING HEIGHT WITH DECORATIVE ACORN STYLE LUMINAIRE, SODIUM VAPOR, TENON MOUNT, 70 WATT
M	GEOTECHNICAL FABRIC (SPECIAL)
N	PORTLAND CEMENT CONCRETE BASE COURSE 6"
O	EXISTING PAVEMENT (HMA SURFACE COURSE OVER PCC BASE) THICKNESS OF PCC BASE +/- 10"
P	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"



PROPOSED TYPICAL CROSS SECTION
GRAND AVENUE
STATION 37+00 TO STATION 47+25

NOTE:

USE PORTLAND CEMENT CONCRETE BASE COURSE 6" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALK BUTTS AGAINST CURB AND FOR PORTIONS OF SIDEWALK WITH KEYSTONE AND CROSS-WALKS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

USE PORTLAND CEMENT CONCRETE BASE COURSE, 8" UNDER PAVING BRICK SIDEWALKS CROSS DRIVEWAY PAVEMENTS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

Drawing file: \\Projects\76010007 - Grand Ave Streetscape Stage II\5_Typical.dwg Jun 10, 2011 1:10:35pm

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USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
PLOT SCALE -	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

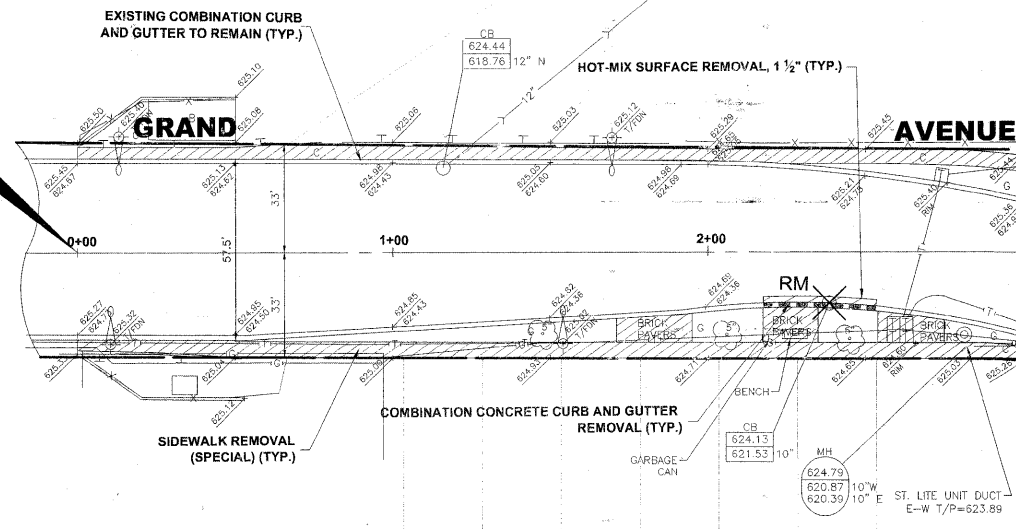
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRAND AVENUE STREETSCAPE STAGE II
TYPICAL CROSS SECTIONS

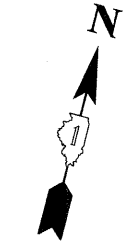
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	7
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

SCALE: NONE SHEET NO. 3 OF 3 SHEETS STA. TO STA.

**GRAND AVENUE
BEGIN IMPROVEMENT
STA. 0+00**

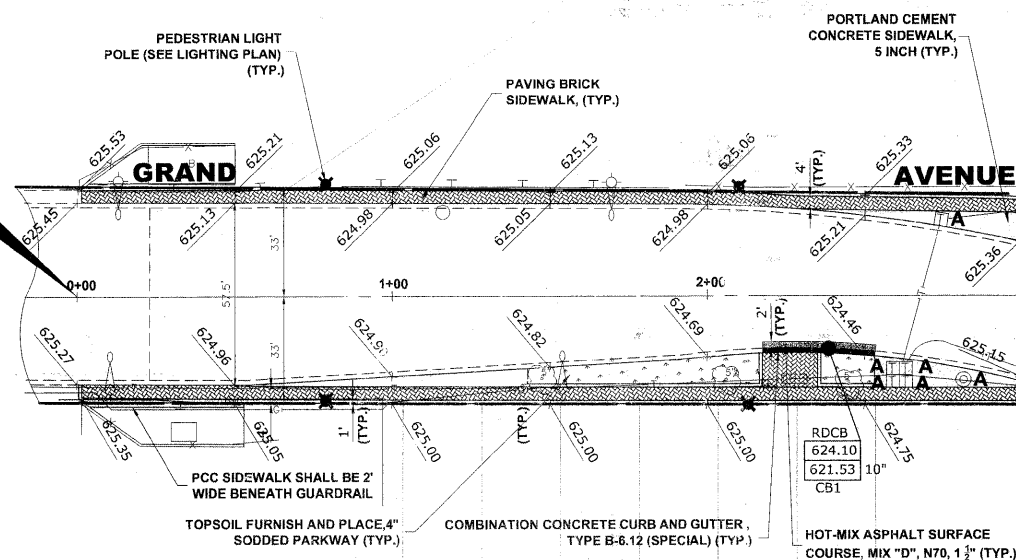


STATION 3+00
MATCH LINE



**EXISTING
TOPOGRAPHY**

**GRAND AVENUE
BEGIN IMPROVEMENT
STA. 0+00**



STATION 3+00
MATCH LINE



**PROPOSED
IMPROVEMENT**

NOTE:

USE PORTLAND CEMENT CONCRETE BASE COURSE, 6" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALK BUTTS AGAINST CURB AND FOR PORTIONS OF SIDEWALK WITH KEYSTONE AND CROSS-WALKS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

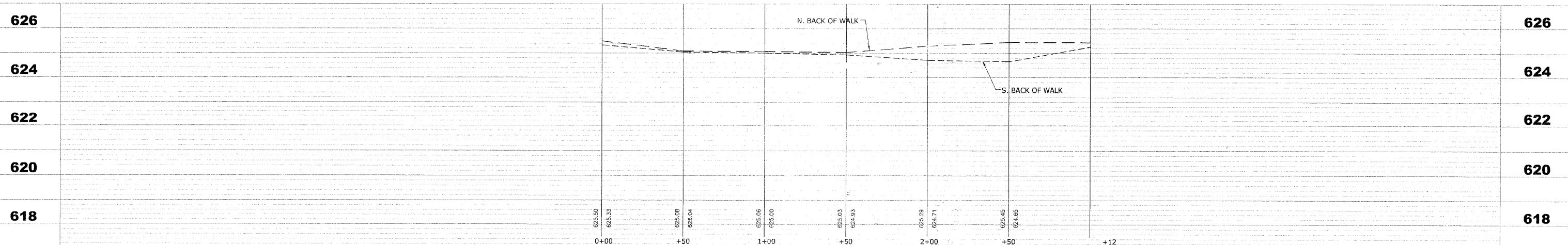
USE PORTLAND CEMENT CONCRETE BASE COURSE, 8" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALKS CROSS DRIVEWAY PAVEMENTS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

ALL CONNECTIONS, INCLUDING CORE CONNECTIONS TO EXISTING STRUCTURES SHALL BE WATERTIGHT PER ASTM C-923.

SEE LEGEND ON SHEET 2 FOR SYMBOL DESCRIPTION.

THE WEST LIMITS MUST START AT LEAST TWO FEET (2') EAST FROM THE EXPANSION JOINT AT THE BRIDGE.

ALL PEDESTRIAN LIGHT POLES ARE TO BE LOCATED WITHIN PUBLIC ROW.



Drawing file: W:\Projects\760\0007 - Grand Ave Streetscape Stage II\GRAND_AVE.dwg Jan 10, 2011 - 1:34pm

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911

9131 Rossmore Road
Westchester, Illinois 60154-7700
Phone: 708-967-6500
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USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT SCALE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
PLOT DATE -	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

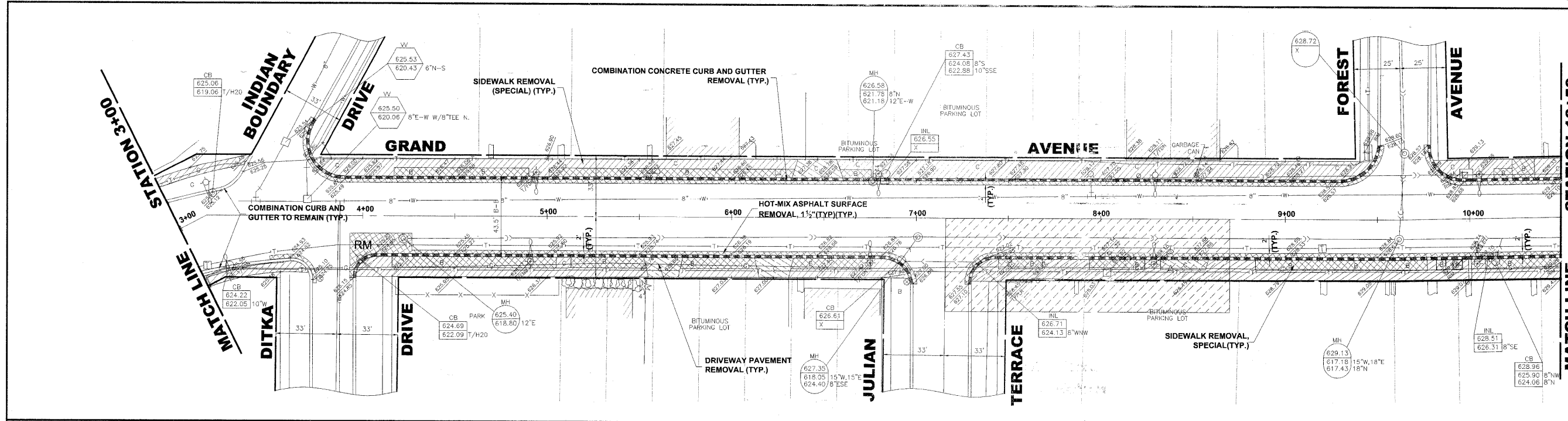
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE STREETScape STAGE II
PLAN AND PROFILE**

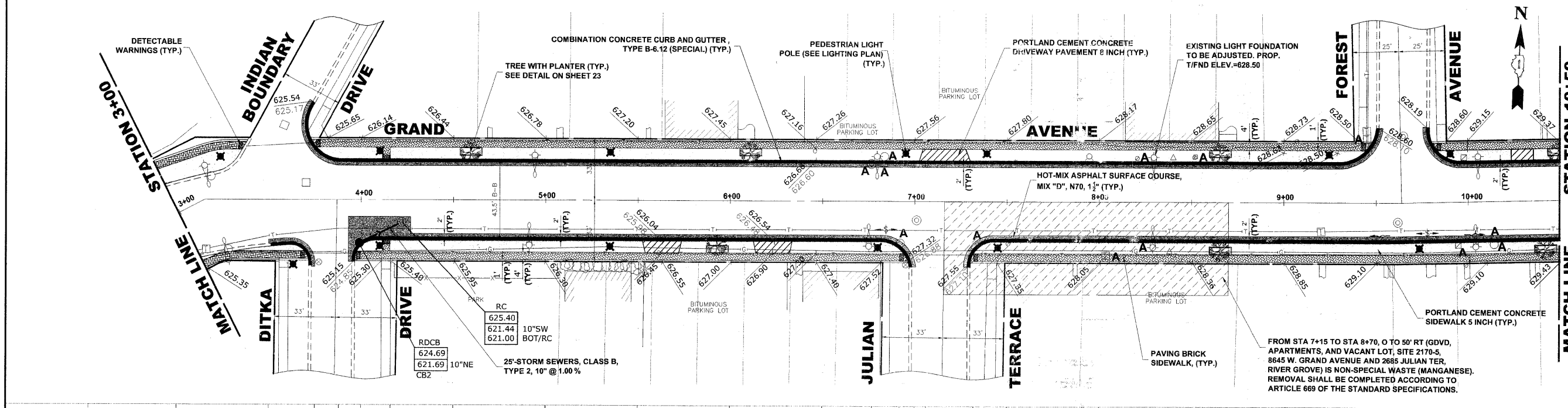
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	8
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

E.H.E PROJECT NO. 760-10-00720



EXISTING TOPOGRAPHY



NOTE:
 USE PORTLAND CEMENT CONCRETE BASE COURSE, 6" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALK BUTTS AGAINST CURB AND FOR PORTIONS OF SIDEWALK WITH KEYSTONE AND CROSS-WALKS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

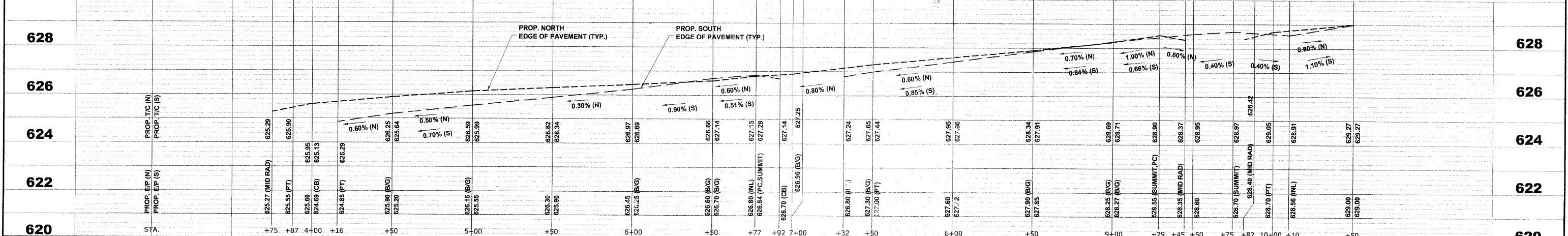
USE PORTLAND CEMENT CONCRETE BASE COURSE, 8" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALKS CROSS DRIVEWAY PAVEMENTS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

ALL CONNECTIONS, INCLUDING CORE CONNECTIONS TO EXISTING STRUCTURES SHALL BE WATERTIGHT PER ASTM C-923.

SEE LEGEND ON SHEET 2 FOR SYMBOL DESCRIPTION.

AT INTERSECTIONS, ANY THERMOPLASTIC PAVEMENT MARKINGS THAT ARE DISTURBED DUE TO THE INSTALLATION OF CURB REPLACEMENT AND RESULTANT PAVEMENT PATCH, WILL BE REPLACED IN KIND.

PROPOSED IMPROVEMENT



HANCOCK ENGINEERING
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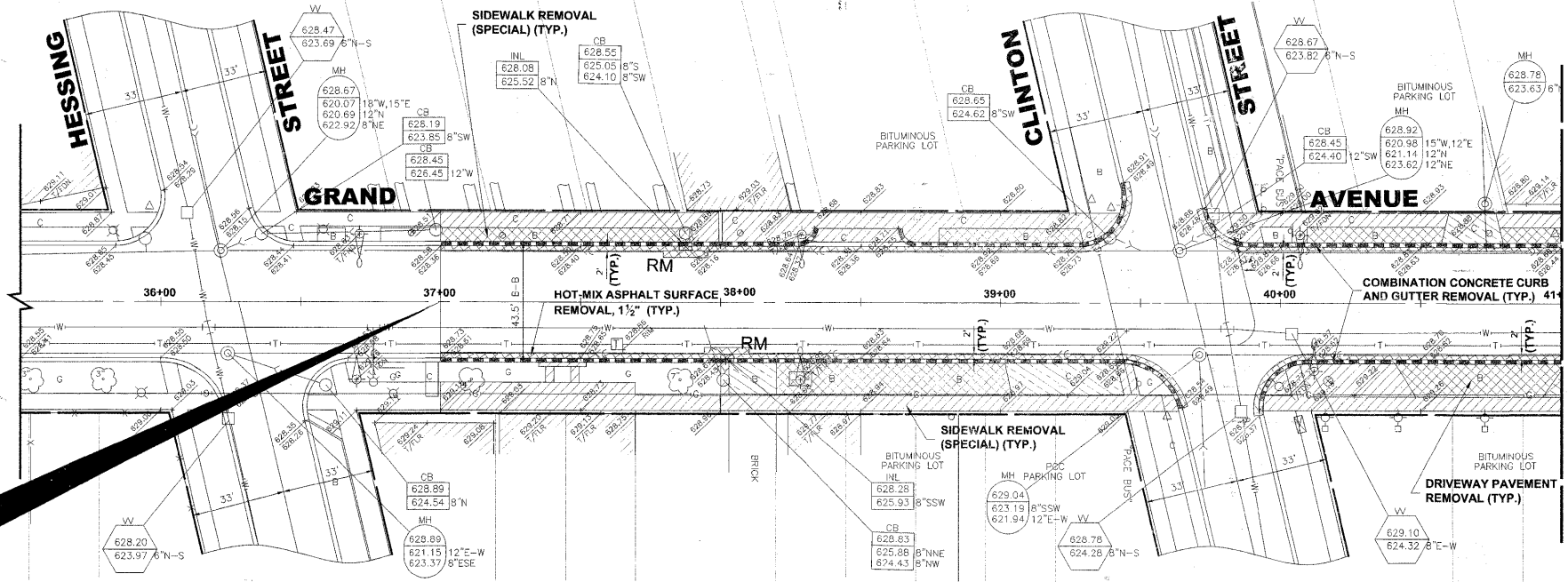
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PLOT SCALE -	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVENUE STREETScape STAGE II PLAN AND PROFILE
 SCALE: 1"= 30' H.V.Z. SHEET NO. 2 OF 6 SHEETS STA. 3+00 TO STA. 10+50

F.A.U. RTE. 1376	SECTION 10-0095-00-SW	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 9
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-001(823)	

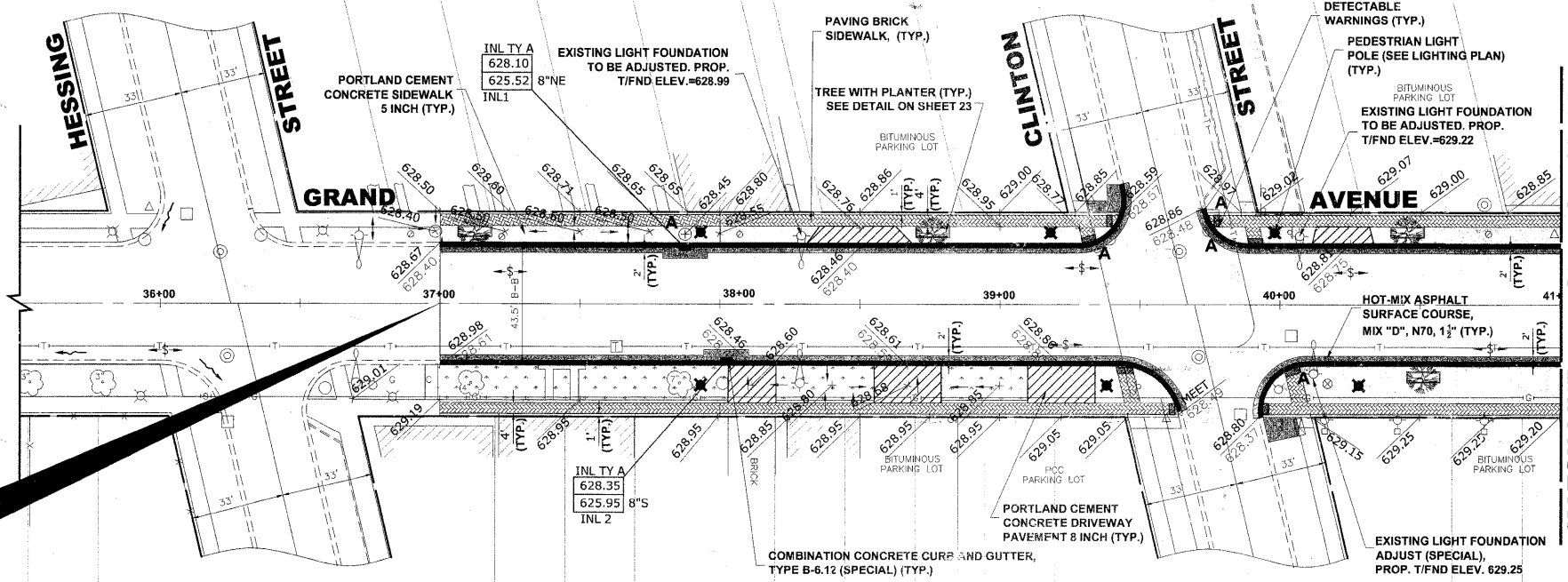
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GRAND AVENUE
OMISSION ENDS
STA. 37+00

STATION 41+00
MATCH LINE

EXISTING
TOPOGRAPHY



GRAND AVENUE
OMISSION ENDS
STA. 37+00

STATION 41+00
MATCH LINE

PROPOSED
IMPROVEMENT



NOTE:

USE PORTLAND CEMENT CONCRETE BASE COURSE, 6" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALK BUTTS AGAINST CURB AND FOR PORTIONS OF SIDEWALK WITH KEYSTONE AND CROSS-WALKS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

USE PORTLAND CEMENT CONCRETE BASE COURSE, 8" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALKS CROSS DRIVEWAY PAVEMENTS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.

ALL CONNECTIONS, INCLUDING CORE CONNECTIONS TO EXISTING STRUCTURES SHALL BE WATERTIGHT PER ASTM C-923.

SEE LEGEND ON SHEET 2 FOR SYMBOL DESCRIPTION.

AT INTERSECTIONS, ANY THERMOPLASTIC PAVEMENT MARKINGS THAT ARE DISTURBED DUE TO THE INSTALLATION OF CURB REPLACEMENT AND RESULTANT PAVEMENT PATCH, WILL BE REPLACED IN KIND.

628	PROP. SOUTH EDGE OF PAVEMENT (TYP.)		PROP. NORTH EDGE OF PAVEMENT (TYP.)		628
	0.40% (N)	0.40% (N)	1.25% (N)	0.40% (N)	
	0.36% (S)	0.40% (S)	0.50% (S)	0.36% (S)	
626					626
624	PROP. TIC (N)	628.67	628.77	628.87	624
	PROP. TIC (S)	628.88	628.97	629.07	
622	PROP. EIP (N)	628.40	628.50 (SUMMIT)	628.60 (PT)	622
	PROP. EIP (S)	628.61	628.70 (SUMMIT)	628.80 (SUMMIT)	
620	STA.	37+00	+25	+50	620
			+75	+90	
			38+00	+25	
			+50	+75	
			39+00	+25	
			+50	+75	
			40+00	+25	
			+50	+75	
			41+00		

Drawing File: R:\Projects\16010037 - Grand Ave Streetscape Stage II\GRAND_AVE.dwg Jan 10, 2011 - 1:04pm

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Civil Engineers
Municipal Consultants
Established 1911

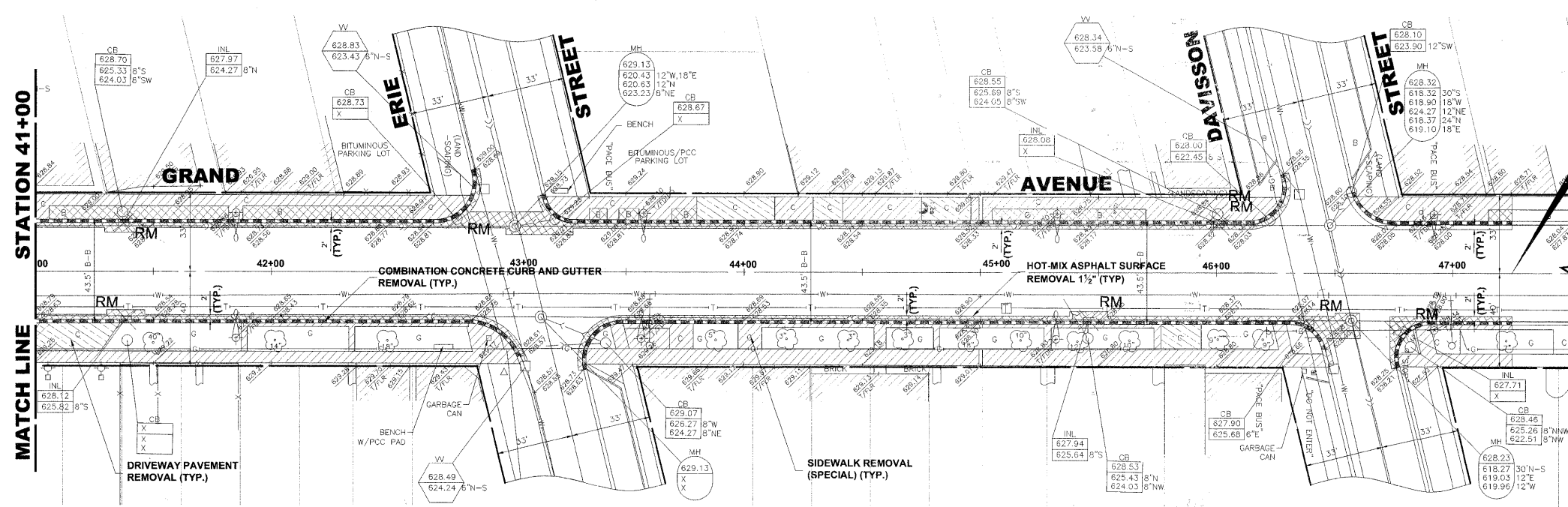
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DESIGNED - MK
DRAWN - MK/LEV
CHECKED - CB
DATE - 03-02-10

REVISOR - 1-5-11 IDOT FINAL
REVISOR - 6-28-10 IDOT PRE-FINAL
REVISOR - 6-04-10 IDOT PSE
REVISOR - 3-19-10 MWRDGC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

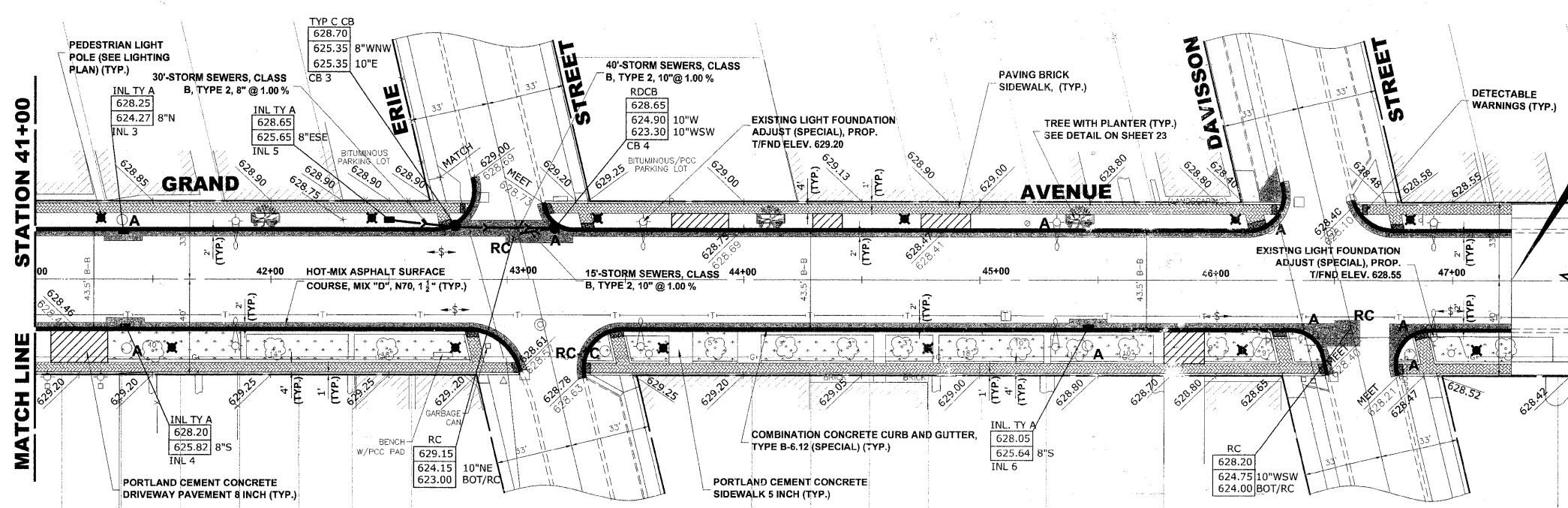
GRAND AVENUE STREETScape STAGE II
PLAN AND PROFILE
SHEET NO. 4 OF 6 SHEETS
STA. 37+00 TO STA. 41+00

F.A.U. RTE. 1376
SECTION 10-00095-00-SW
COUNTY COOK
TOTAL SHEETS 29
SHEET NO. 11
CONTRACT NO. 63511
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-00D1(823)
E.H.E. PROJECT NO. 760-10-00720



**GRAND AVENUE
END IMPROVEMENT
STA. 47+25**

**EXISTING
TOPOGRAPHY**

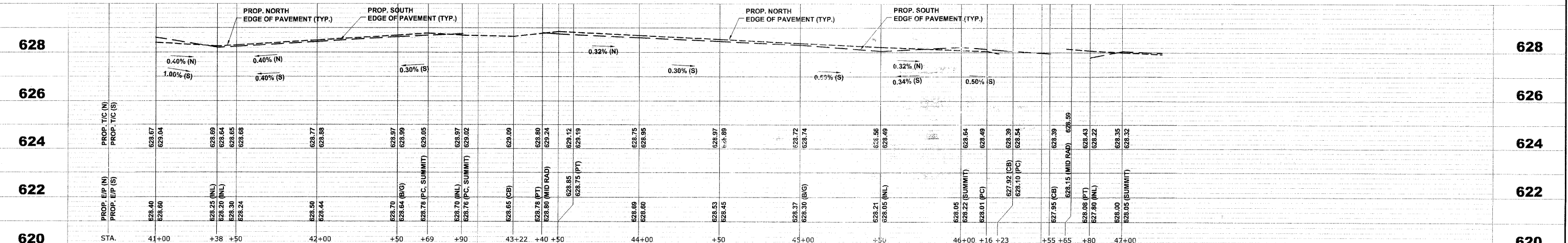


**GRAND AVENUE
END IMPROVEMENT
STA. 47+25**

NOTE:

- USE PORTLAND CEMENT CONCRETE BASE COURSE, 6" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALK BUTTS AGAINST CURB AND FOR PORTIONS OF SIDEWALK WITH KEYSTONE AND CROSS-WALKS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.
- USE PORTLAND CEMENT CONCRETE BASE COURSE, 8" UNDER PAVING BRICK SIDEWALK, WHERE BRICK SIDEWALKS CROSS DRIVEWAY PAVEMENTS. EXACT LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD.
- ALL CONNECTIONS, INCLUDING CORE CONNECTIONS TO EXISTING STRUCTURES SHALL BE WATERTIGHT PER ASTM C-923.
- SEE LEGEND ON SHEET 2 FOR SYMBOL DESCRIPTION.
- AT INTERSECTIONS, ANY THERMOPLASTIC PAVEMENT MARKINGS THAT ARE DISTURBED DUE TO THE INSTALLATION OF CURB REPLACEMENT AND RESULTANT PAVEMENT PATCH, WILL BE REPLACED IN KIND.

**PROPOSED
IMPROVEMENT**



Drawing File: W:\Projects\76010007 - Grand Ave Streetscape Stage II\GRAND AVE.dwg Jan 10, 2011 - 1:04pm

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PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

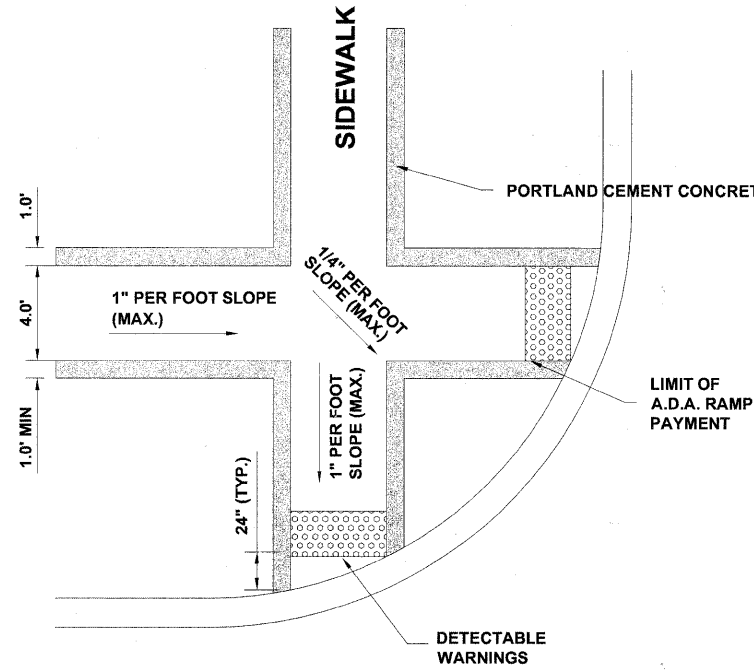
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE STREETScape STAGE II
PLAN AND PROFILE**

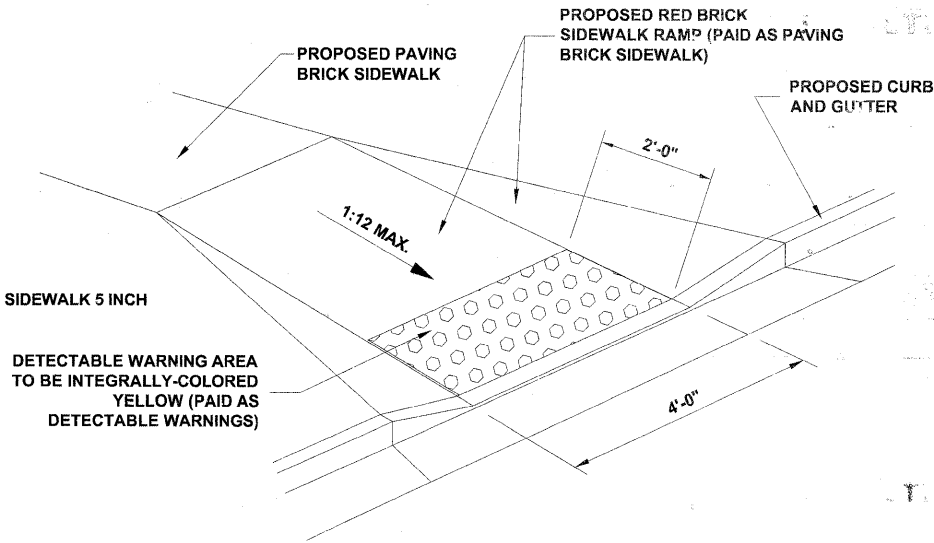
S: 1" = 30' H: 2" V. SHEET NO. 5 OF 6 SHEETS STA. 41+00 TO STA. 47+50

F.A.U. RTE. 1376	SECTION 10-00095-00-SW	COUNTY COCK	TOTAL SHEETS 29	SHEET NO. 12
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 03511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

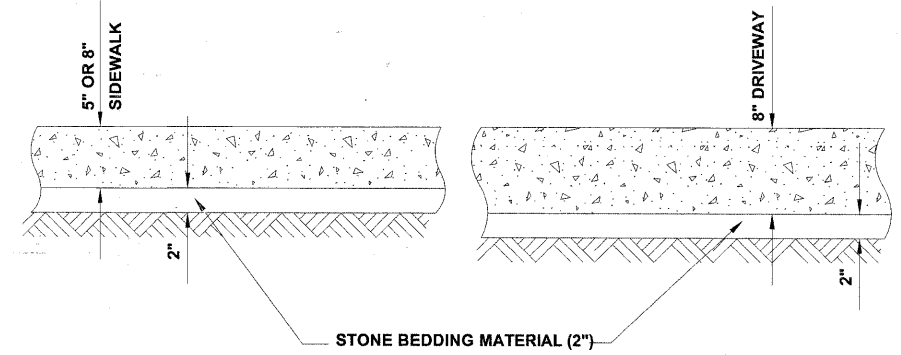
E.H.E PROJECT NO. 760-10-00720



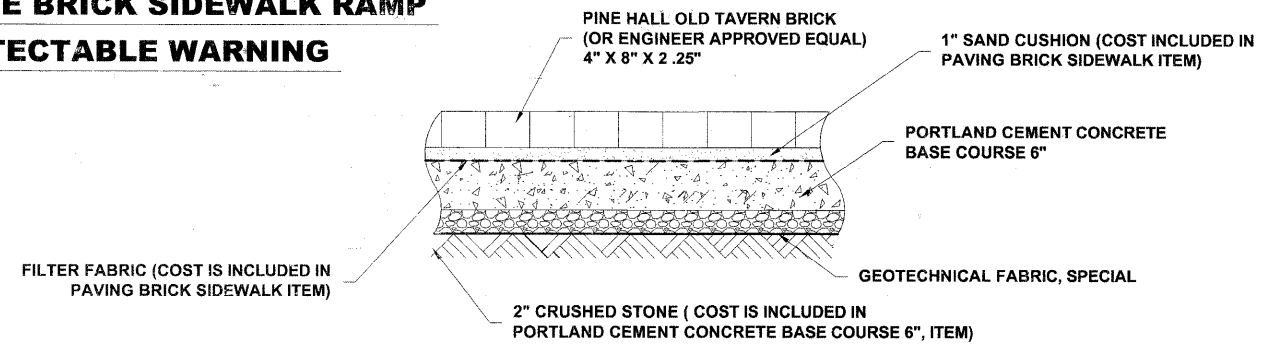
A.D.A. RAMP DETAIL



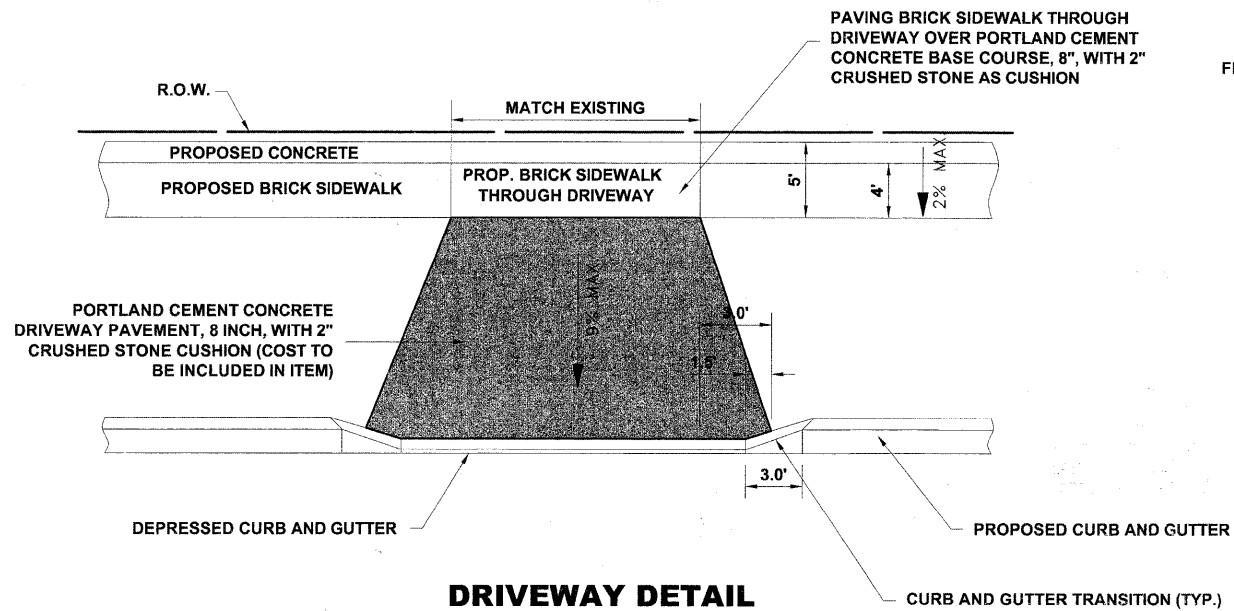
DECORATIVE BRICK SIDEWALK RAMP & DETECTABLE WARNING



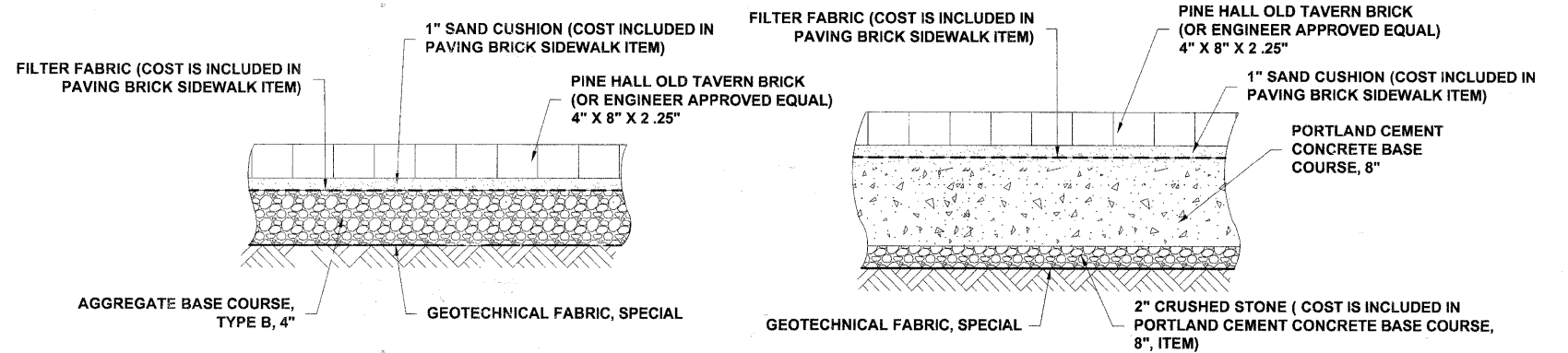
TYPICAL P.C.C. SIDEWALK & DRIVEWAY DETAIL



PAVING BRICK SIDEWALK BUTTS AGAINST CURB OR AT INTERSECTION



DRIVEWAY DETAIL



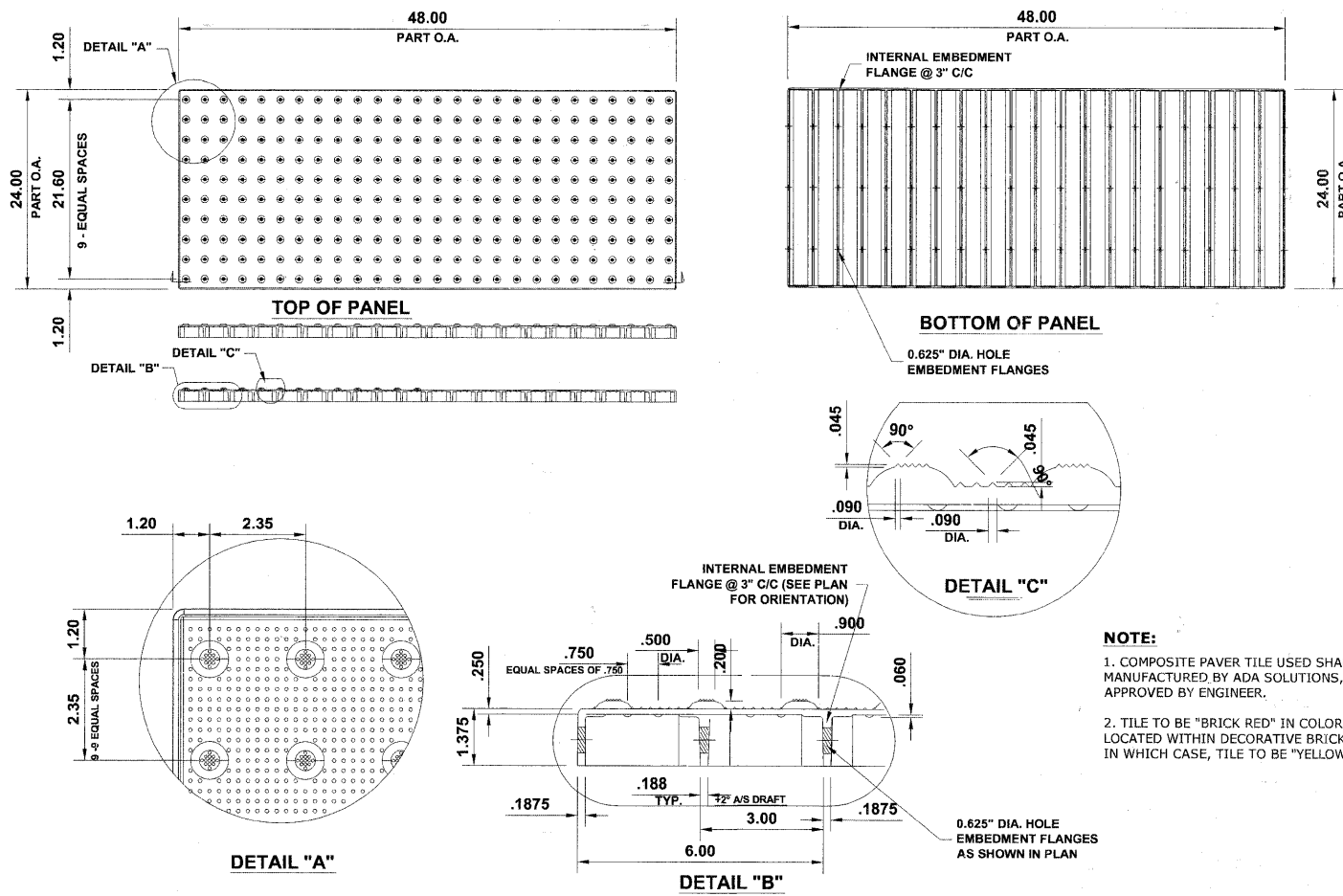
PAVING BRICK SIDEWALK

PAVING BRICK SIDEWALK THROUGH DRIVEWAY

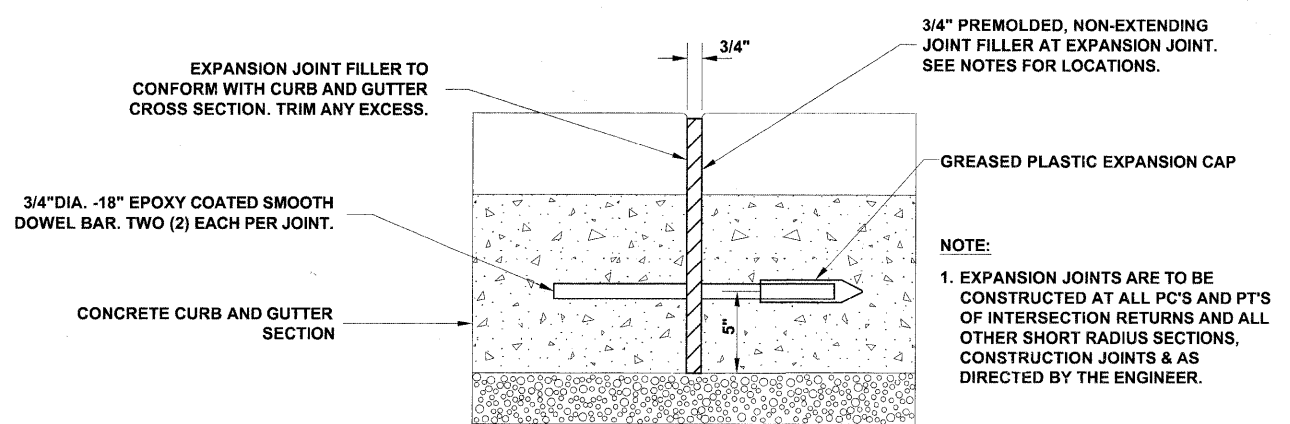
DECORATIVE BRICK SIDEWALK CROSS SECTION

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR/MATERIALS REQUIRED TO EXCAVATE, INSTALL CRUSHED STONE BASE, SAND SETTING BED, EDGE RESTRAINT, AND PAVERS AT LOCATIONS SHOWN ON PLANS AND AS DIRECTED BY ENGINEER
2. PAVERS SHALL MEET THE REQUIREMENTS OF ASTM C-936.

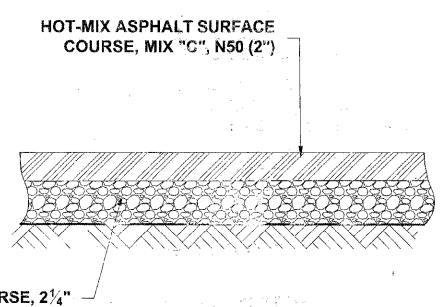
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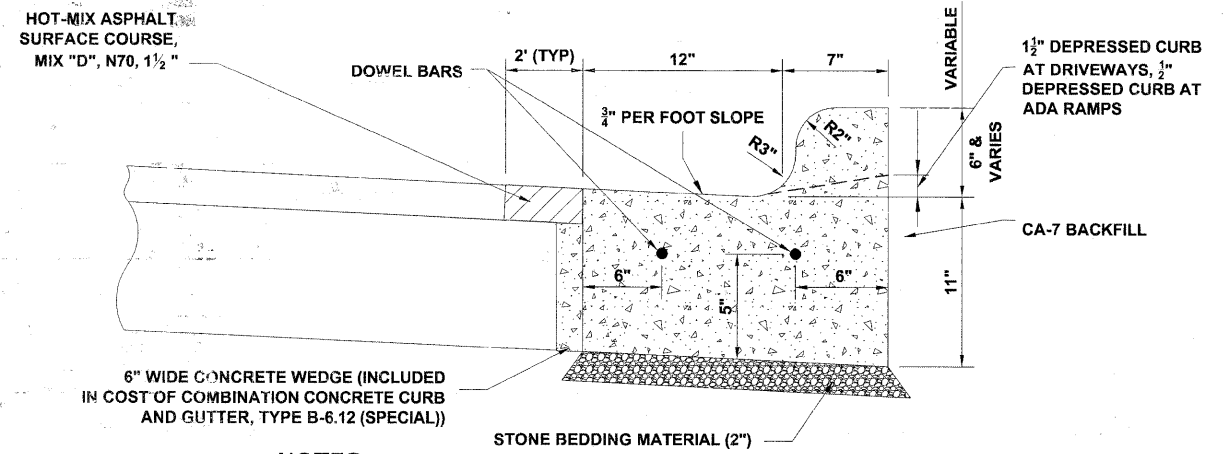
CAST-IN-PLACE COMPOSITE PAVER TILE FOR DETECTABLE WARNING



TYPICAL CURB AND GUTTER EXPANSION JOINT



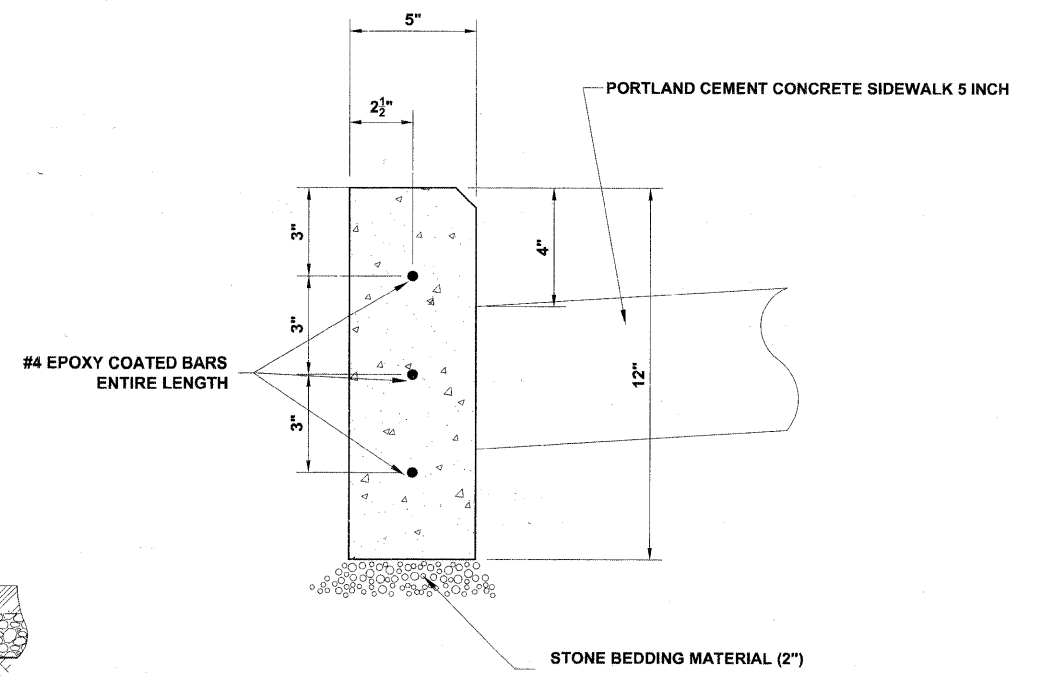
TYPICAL ASPHALTED PARKWAY



NOTES :

1. PROVIDE 2 - 3/4" DIAMETER, 18" LONG EPOXY COATED SMOOTH DOWEL BARS WITH PLASTIC EXPANSION CAPS AT EACH EXPANSION JOINT.
2. CONTRACTION JOINT - 2" DEEP CONTRACTION JOINTS SHALL BE SAWS AT EQUAL SPACES (NOT EXCEEDING 15 FEET) BETWEEN NORMAL EXPANSION JOINTS, IN THE UPPER 1/3 OF CURB & GUTTERS WITHIN 24 HOURS OF PLACEMENT.
3. A 6" CONCRETE WEDGE IS TO BE POURED IN THE SPACE BETWEEN THE NEW CURB & THE EXISTING PAVEMENT AFTER THE CURB HAS REACHED ITS INITIAL SET
4. THE NEW CURB AND GUTTER SHALL BE BACKFILLED FOR THE FULL-DEPTH OF THE CURB WITH CA-7 OR OTHER STONE APPROVED BY ENGINEER.
5. THE COST OF THE ABOVE SHALL BE INCLUDED IN THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL).

COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SPECIAL)



CONCRETE CURB, TYPE B

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\7_Roadway_Details.dwg Jan 10, 2011 - 1:05pm

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USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
PLOT SCALE -	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

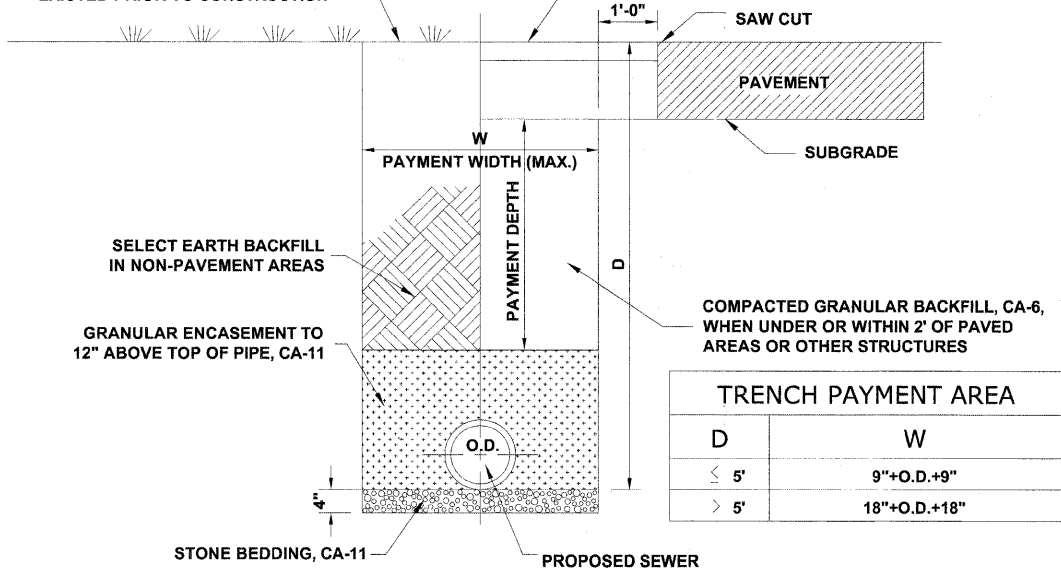
GRAND AVENUE STREETSCAPE STAGE II ROADWAY DETAILS

F.A.U. RTE. 1376	SECTION 10-00095-00-SW	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 14
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

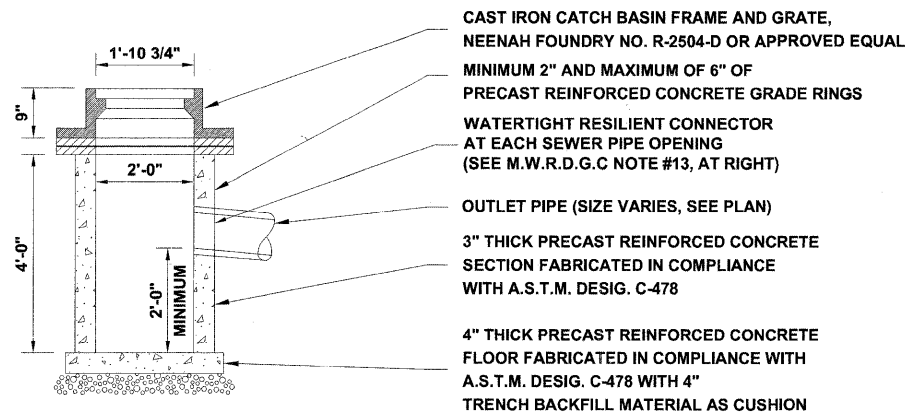
E.H.E PROJECT NO. 760-10-00720

IN LANDSCAPED AREAS, REPLACE LANDSCAPING TO EQUAL OR BETTER CONDITIONS THAN EXISTED PRIOR TO CONSTRUCTION

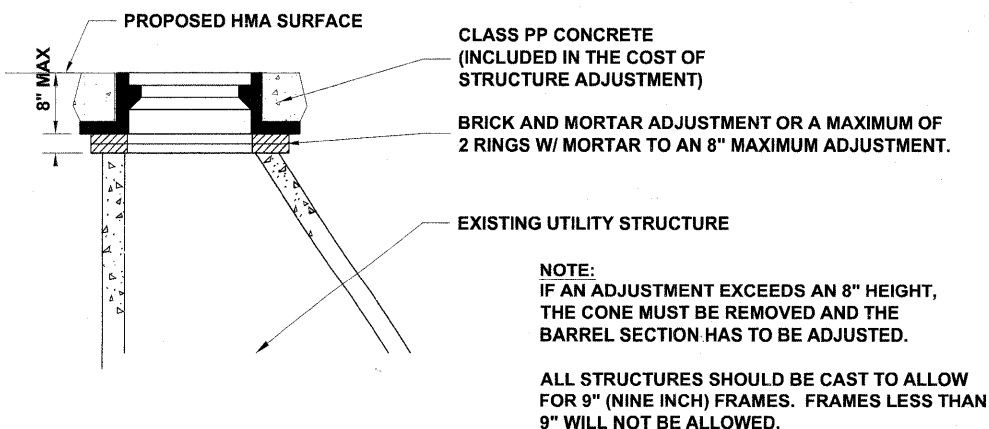
IN PAVED AREAS, REPLACE PAVEMENT & BASE COURSE ACCORDING TO PROPOSED SECTION.



TYPICAL PVC SEWER TRENCH DETAIL



CATCH BASIN, TYPE C, SPECIAL



STRUCTURE ADJUSTMENT

M.W.R.D.G.C. GENERAL NOTES

1. THE MWRD SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK AT (708) 588-4055.
2. ELEVATION DATUM IS NAV 88
3. NO FLOOR DRAINS ON THIS PROJECT.
4. NO DOWNSPOUTS AND FOOTING DRAINS ON THIS PROJECT.
5. ALL PVC STORM SEWER PIPE JOINTS SHALL CONFORM TO ASTM D-3139. ALL PVC SEWER PIPE 12" IN DIAMETER OR LESS SHALL CONFORM TO ASTM D-2241 (WATER QUALITY PIPE). ALL PVC SEWER PIPE SHALL BE SDR 26.
6. ALL D.I.P. STORM, COMBINED AND SANITARY SEWER PIPE JOINTS SHALL CONFORM TO ASTM A-21.11. ALL D.I.P. SEWER PIPE SHALL CONFORM TO ASTM A-21.51. ALL D.I.P. SEWER PIPE SHALL BE CLASS 52.
7. ALL SANITARY, COMBINED, AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS, REQUIRES STONE BEDDING 1/4" TO 1" IN SIZE, WITH A MINIMUM THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR INCHES (4") NOR MORE THAN EIGHT INCHES (8"). MATERIAL SHALL BE CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE.
8. "BAND SEAL" OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPE OF DISSIMILAR MATERIALS.
9. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
 - a) CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SEWER TAP" MACHINE, OR SIMILAR) AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.
 - b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION. AFTER THE WYE OR TEE BRANCH IS INSERTED, CONCRETE SHALL BE PLACED OVER THE BROKEN AREA TO A MINIMUM THICKNESS OF 4" AND TO A DIMENSION OF 8" IN ALL DIRECTIONS.
 - c) USING PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING. USE "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD FIRMLY IN PLACE. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR THE INSTALLATION.
10. WHEREVER A SEWER CROSSES UNDER A WATER MAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATER MAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATER MAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS.
11. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE PRE-CAST REINFORCED CONCRETE.
12. ALL ABANDONED SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF TWO (2) FEET LONG, NON-SHRINK CONCRETE/MORTAR PLUG.
13. ALL INLET AND OUTLET PIPES OF SANITARY SEWER MANHOLES AND OTHER UNDERGROUND STRUCTURES (AND IN COMBINED SEWER AREAS, ALSO ALL COMBINED/STORM SEWER MANHOLES, CATCH BASINS, INLETS, AND UNDERGROUND-DETENTION STORAGE STRUCTURES) SHALL BE JOINED WITH WATERTIGHT FLEXIBLE RUBBER CONNECTORS CONFORMING TO A.S.T.M. C-443 & C-923 WITH STAINLESS STEEL BANDS.
14. THE MAXIMUM ALLOWABLE INFILTRATION OR EXFILTRATION IS 100 GAL/DAY/MILE/INCH DIA OF THE SEWER PIPE.

DRAINAGE AND UTILITIES NOTES

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, COMBINED SEWERS, TELEPHONE LINES, COMMUNICATION LINES, ELECTRIC LINES, GAS MAINS, AND WATER SERVICES ARE APPROXIMATE AND THEIR SPECIFIC LOCATIONS ARE TO BE DETERMINED IN THE FIELD AT NO COMPENSATION TO THE CONTRACTOR.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINAGE STRUCTURES OR SEWERS UNTIL PERMANENT CONNECTIONS TO SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF PROPOSED STORM SEWER PIPES.

WHEN, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIALS ARE DEPOSITED IN THE FLOW LINES OF GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE OBSTRUCTING MATERIALS SHALL BE REMOVED AT THE CLOSE OF EACH WORK DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES ARE TO BE FREE OF ALL DIRT, DEBRIS, AND OBSTRUCTING MATERIALS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF PROPOSED STRUCTURES.

THE TYPE OF FRAMES AND GRATES REQUIRED FOR ALL CATCH BASINS AND MANHOLES LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS AT THEIR RESPECTIVE LOCATIONS. WHERE LIDS ARE CALLED FOR ON THE PLANS, THEY SHALL BE IN ACCORDANCE WITH ARTICLE 604.01 OF THE STANDARD SPECIFICATIONS AND THE TERM LID IS USED IN LIEU OF GRATE.

ON ALL IMPROVEMENTS, THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES, AND VALVE VAULTS WHICH ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF RIVER GROVE AND BE SALVAGED. THE VILLAGE OF RIVER GROVE PUBLIC WORKS YARD WILL PICK-UP STRUCTURES FROM JOB-SITE.

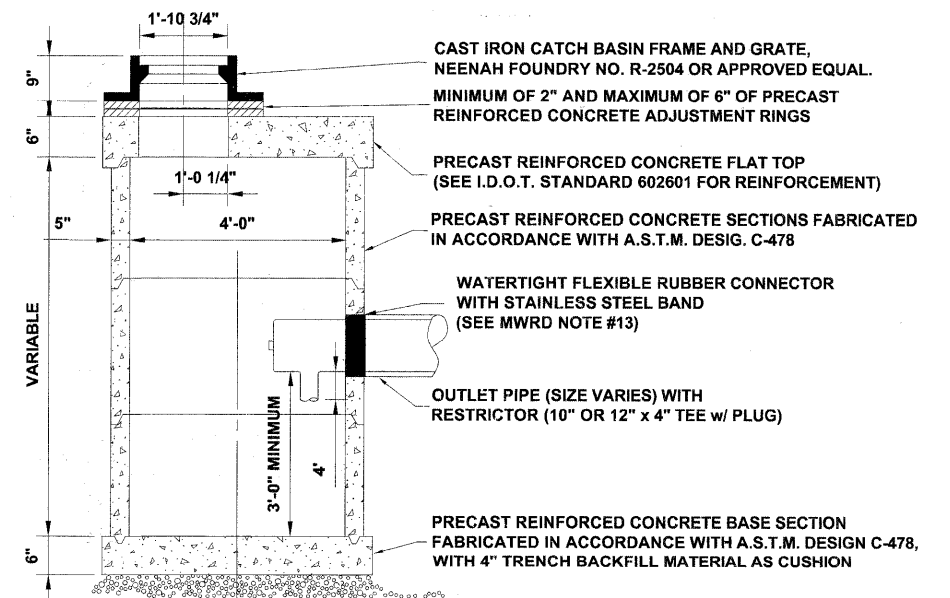
ANY COSTS FOR SHEETING OR SHORING REQUIRED FOR THE STORM SEWER INSTALLATION OR OTHER CONSTRUCTION ELEMENTS REQUIRING RELATIVELY DEEP EXCAVATIONS SHALL BE INCLUDED IN THE PARTICULAR PAYMENT ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY SUPPLEMENTAL WORK ASSOCIATED WITH THE MAINTENANCE OF TRENCH SIDES OR OTHER EXCAVATED AREAS.

SEWER PIPE INSTALLED ON THIS PROJECT SHALL CONFORM TO THE FOLLOWING STANDARD:

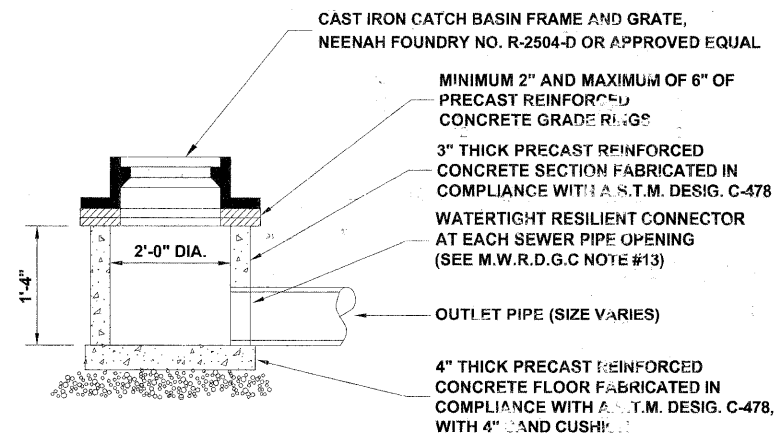
NO FIELD OR DRAINAGE TILES SHALL BE CONNECTED TO THE COMBINED SEWER SYSTEM. FIELD / DRAINAGE TILES ENCOUNTERED DURING CONSTRUCTION MUST BE REMOVED AND TAKEN OUT OF THE SITE AND SHALL NOT BE RECONNECTED TO THE COMBINED SEWER.

TYPE OF PIPE MATERIAL STANDARD JOINT STANDARD

POLYVINYLCHLORIDE PIPE, 8"-12" ASTM D-2241 ASTM D-3139



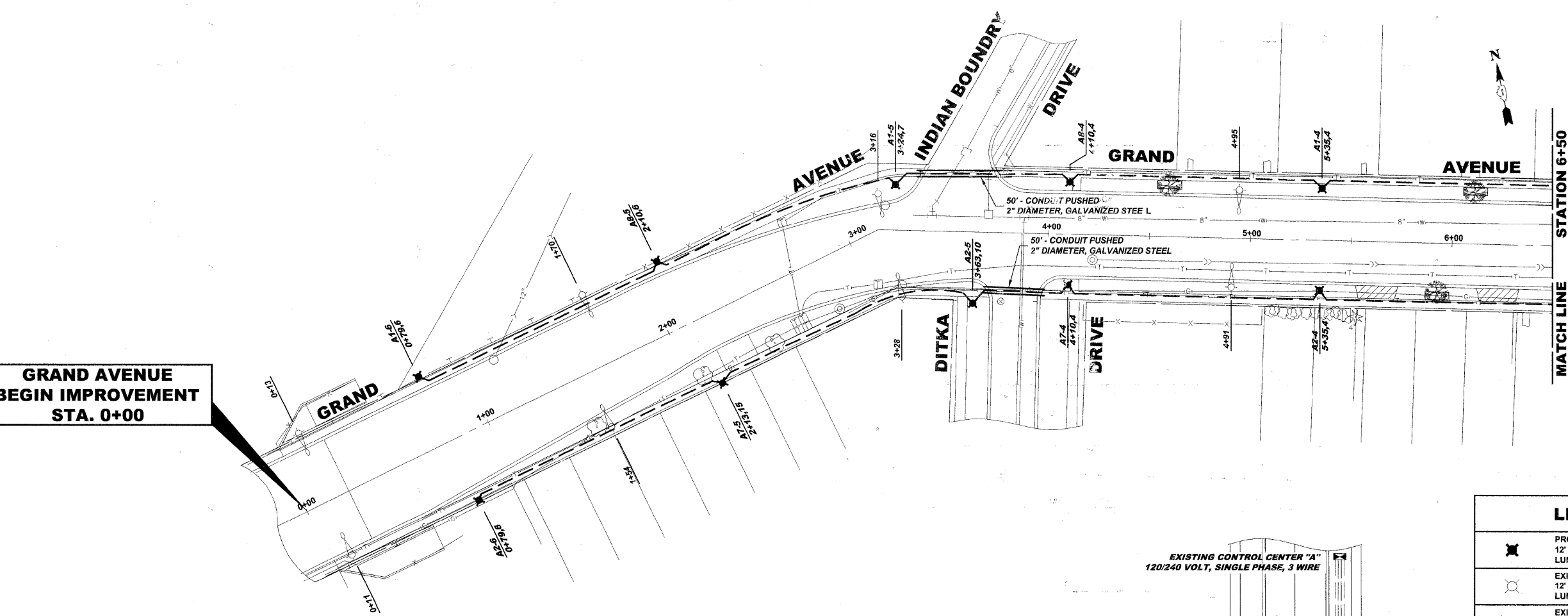
CATCH BASINS, TYPE A, SPECIAL



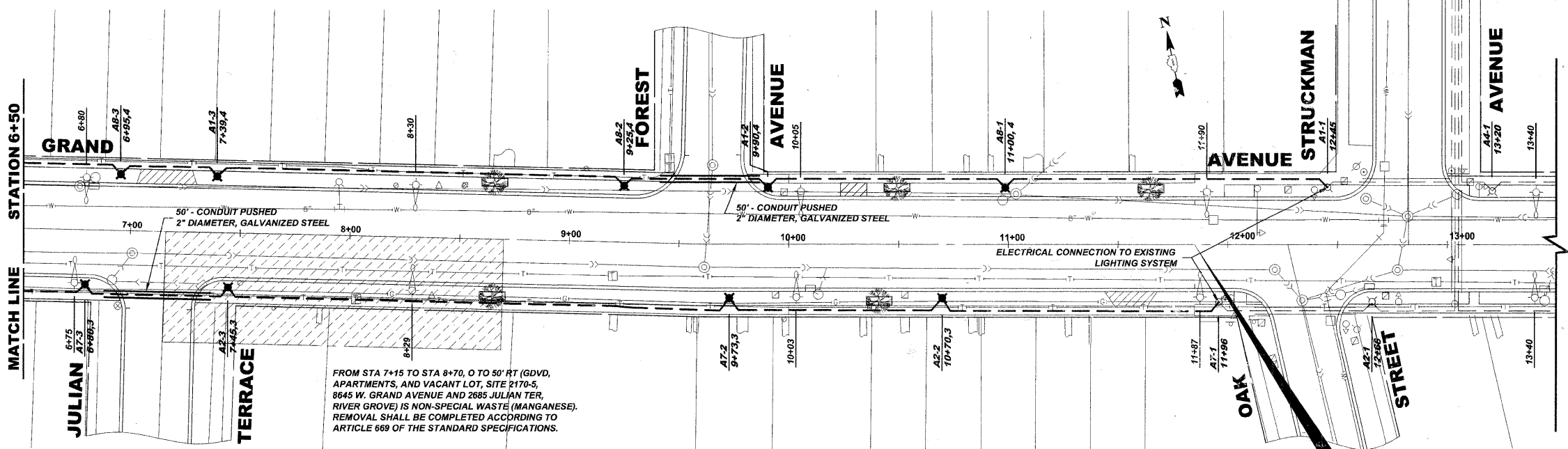
INLET, TYPE A, SPECIAL

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\Grand Ave-Lighting.dwg Jan 10, 2011 - 1:06pm

**GRAND AVENUE
BEGIN IMPROVEMENT
STA. 0+00**



MATCH LINE
STATION 6+50



**GRAND AVENUE
OMISSION BEGINS
STA. 11+85**

LEGEND OF SYMBOLS	
	PROPOSED DECORATIVE LIGHT POLE, ALUMINUM, 12' MOUNTING HEIGHT WITH DECORATIVE ACORN STYLE LUMINAIRE, SODIUM VAPOR, TENON MOUNT, 70 WATT, 120 VOLT
	EXISTING DECORATIVE LIGHT POLE, ALUMINUM, 12' MOUNTING HEIGHT WITH DECORATIVE ACORN STYLE LUMINAIRE, SODIUM VAPOR, TENON MOUNT, 70 WATT, 120 VOLT
	EXISTING 35' MOUNTING HEIGHT POLE WITH 8' MAST ARM AND 310 WATT HIGH PRESSURE SODIUM LAMP (GE451002.IES)
	PROPOSED UNIT DUCT WITH 3-1/8" No. 4 & 1-1/8" No. 6 GROUND, 600V (XLP-TYPE USE), 1 1/2" DIAMETER, BORED & PULLED OR AS NOTED
	EXISTING UNIT DUCT WITH 3-1/8" No. 4 & 1-1/8" No. 6 GROUND, 600V (XLP-TYPE USE), 1 1/2" DIAMETER
	PROPOSED RIGID GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED AS NOTED
	CONTROLLER IDENTIFICATION (TYP.)
	CIRCUIT NUMBER (TYP.)
	POLE NUMBER (TYP.)
	SET BACK FROM BACK OF CURB (TYP.)
	STATION NUMBER (TYP.)

FROM STA 7+15 TO STA 8+70, 0 TO 50' RT (GDVD, APARTMENTS, AND VACANT LOT, SITE 2170-5, 8645 W. GRAND AVENUE AND 2685 JULIAN TER, RIVER GROVE) IS NON-SPECIAL WASTE (MANGANESE). REMOVAL SHALL BE COMPLETED ACCORDING TO ARTICLE 669 OF THE STANDARD SPECIFICATIONS.

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USER NAME -	DESIGNED - MK
PLOT SCALE -	DRAWN - MK/LEV
PLOT DATE -	CHECKED - CB
	DATE - 03-02-10

DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
CHECKED - CB	REVISED - 6-04-10 IDOT PSE
DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

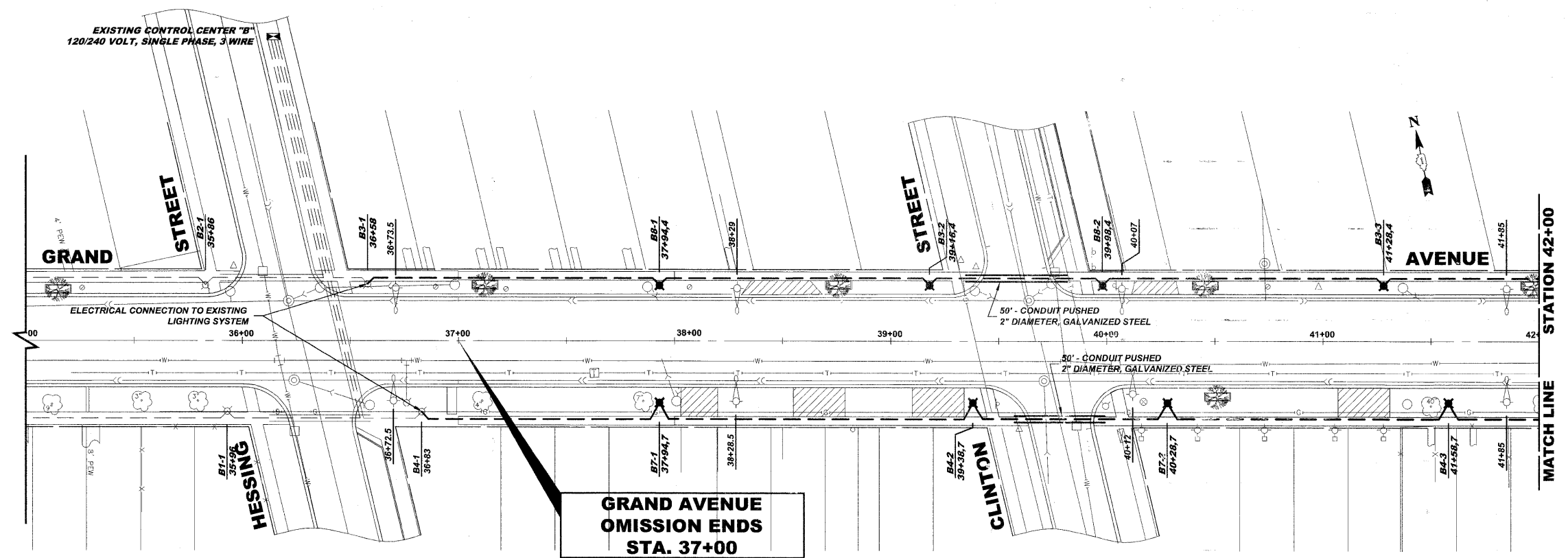
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE STREETSCAPE STAGE II
LIGHTING PLAN**

SCALE: 1"=30' SHEET NO. 1 OF 3 SHEETS STA. 0+00 TO STA. 11+85

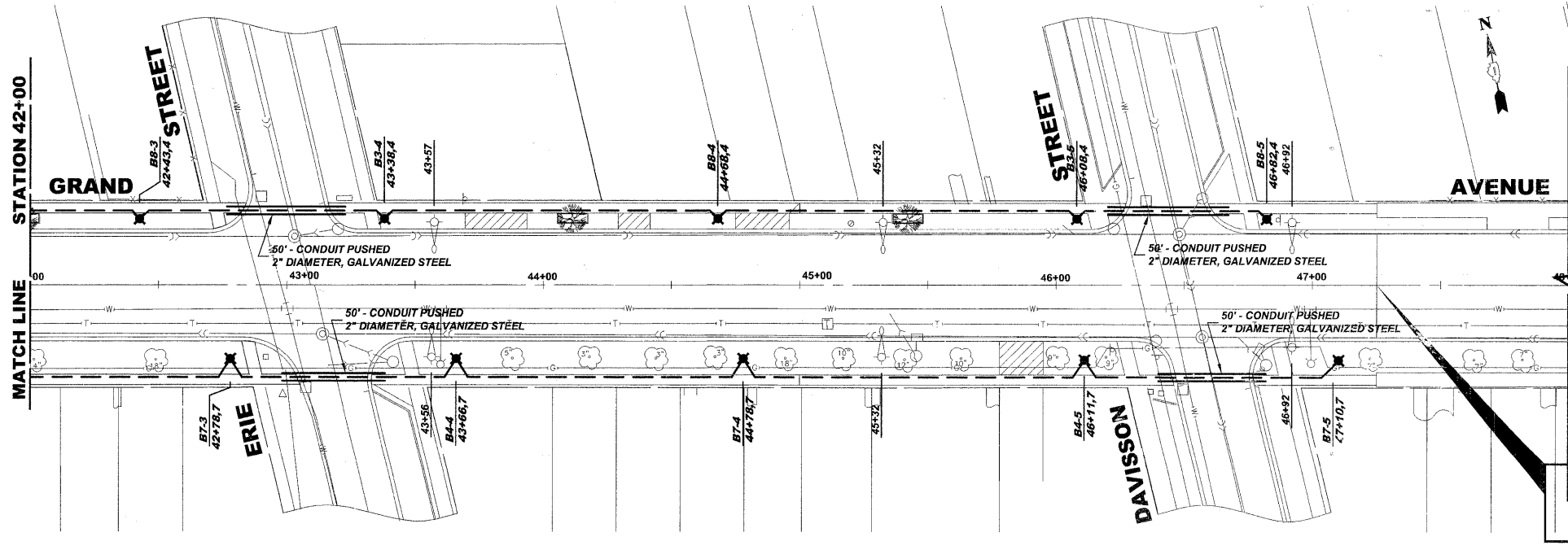
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	16
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	
E.H.E PROJECT NO. 760-10-00720				

EXISTING CONTROL CENTER "B"
120/240 VOLT, SINGLE PHASE, 3 WIRE



**GRAND AVENUE
OMISSION ENDS
STA. 37+00**

LEGEND OF SYMBOLS	
	PROPOSED DECORATIVE LIGHT POLE, ALUMINUM, 12' MOUNTING HEIGHT WITH DECORATIVE ACORN STYLE LUMINAIRE, SODIUM VAPOR, TENON MOUNT, 70 WATT, 120 VOLT
	EXISTING DECORATIVE LIGHT POLE, ALUMINUM, 12' MOUNTING HEIGHT WITH DECORATIVE ACORN STYLE LUMINAIRE, SODIUM VAPOR, TENON MOUNT, 70 WATT, 120 VOLT
	EXISTING 35' MOUNTING HEIGHT POLE WITH 8' MAST ARM AND 310 WATT HIGH PRESSURE SODIUM LAMP (GE451002.IES)
	PROPOSED UNIT DUCT WITH 3-1/C No. 4 & 1-1/C No. 6 GROUND, 600V (XLP-TYPE USE), 1 1/2\"/>
	EXISTING UNIT DUCT WITH 3-1/C No. 4 & 1-1/C No. 6 GROUND, 600V (XLP-TYPE USE), 1 1/2\"/>
	PROPOSED RIGID GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED AS NOTED
	CONTROLLER IDENTIFICATION (TYP.)
	CIRCUIT NUMBER (TYP.)
	POLE NUMBER (TYP.)
	SET BACK FROM BACK OF CURB (TYP.)
	STATION NUMBER (TYP.)



**GRAND AVENUE
END IMPROVEMENT
STA. 47+25**

Drawing File: W:\Projects\76010007 - Grand Ave Streetscape Stage II\GRAND AVE-Lighting.dwg Jan 10, 2011 - 1:06pm

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911

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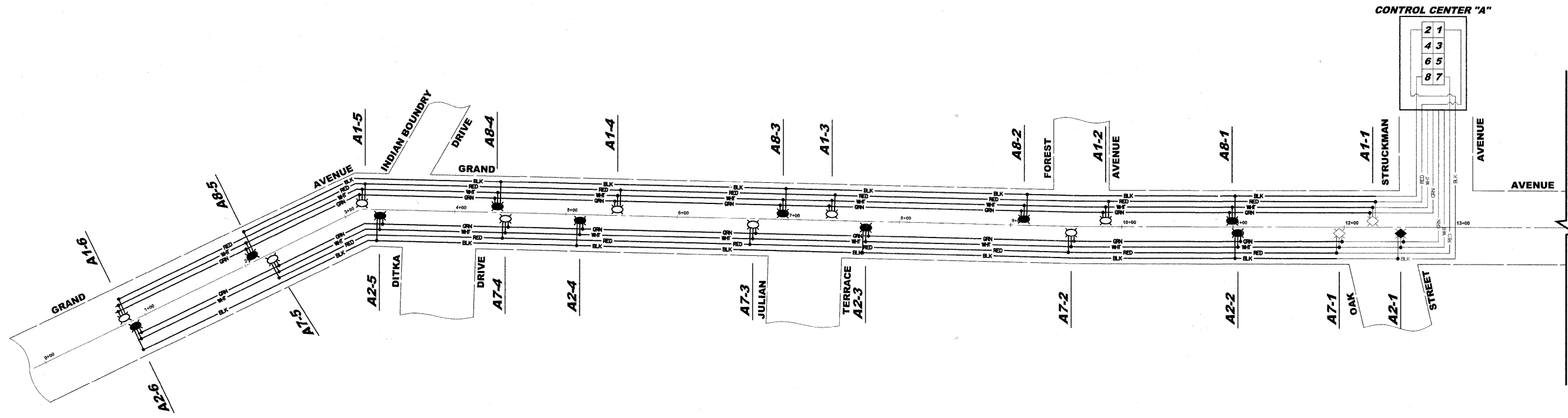
USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
PLOT SCALE -	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE STREETScape STAGE II
LIGHTING PLAN**

SCALE: 1"=30' SHEET NO. 2 OF 3 SHEETS STA. 37+00 TO STA. 49+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	17
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(623)	
E.H.E PROJECT NO. 760-10-00720				



LEGEND OF SYMBOLS	
— BLK —	PROPOSED 120 VOLT PHASE CABLE (BLACK)
— RED —	PROPOSED 120 VOLT PHASE CABLE (RED)
— WHT —	PROPOSED 120 VOLT NEUTRAL CABLE (WHITE)
— GRN —	PROPOSED GROUND WIRE (GREEN)
— BLK —	EXISTING 120 VOLT PHASE CABLE (BLACK)
— RED —	EXISTING 120 VOLT PHASE CABLE (RED)
— WHT —	EXISTING 120 VOLT NEUTRAL CABLE (WHITE)
— GRN —	EXISTING GROUND WIRE (GREEN)
— ● —	SPLICE
●	PROPOSED 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON BLACK WIRE
○	PROPOSED 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON RED WIRE
◆	EXISTING 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON BLACK WIRE
◇	EXISTING 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON RED WIRE
A1-1	CIRCUIT/POLE NUMBER

LIGHTING CONTROLLER "A" CIRCUIT LOADS					
CIRCUIT	PHASE - RED		CIRCUIT	PHASE - BLACK	
	AMPS	WATTS		AMPS	WATTS
1	13.8	420	2	13.8	420
3	13.8	420	4	18.4	560
5	16.1	490	6	13.8	420
7	13.8	420	8	11.5	350
TOTAL	57.5	1,750	TOTAL	57.5	1,750

NOTE:
PROPOSED LOAD FOR POLE = 70W LUMINAIRE + 120V FESTOON @ 180VA

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\GRAND_AVE-Lighting.dwg Jan 05, 2011 - 10:55am

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911

9313 Research Road
 Westchester, Illinois 60154-2780
 Phone: 708-965-0386
 Fax: 708-965-5232

USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT SCALE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
PLOT DATE -	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

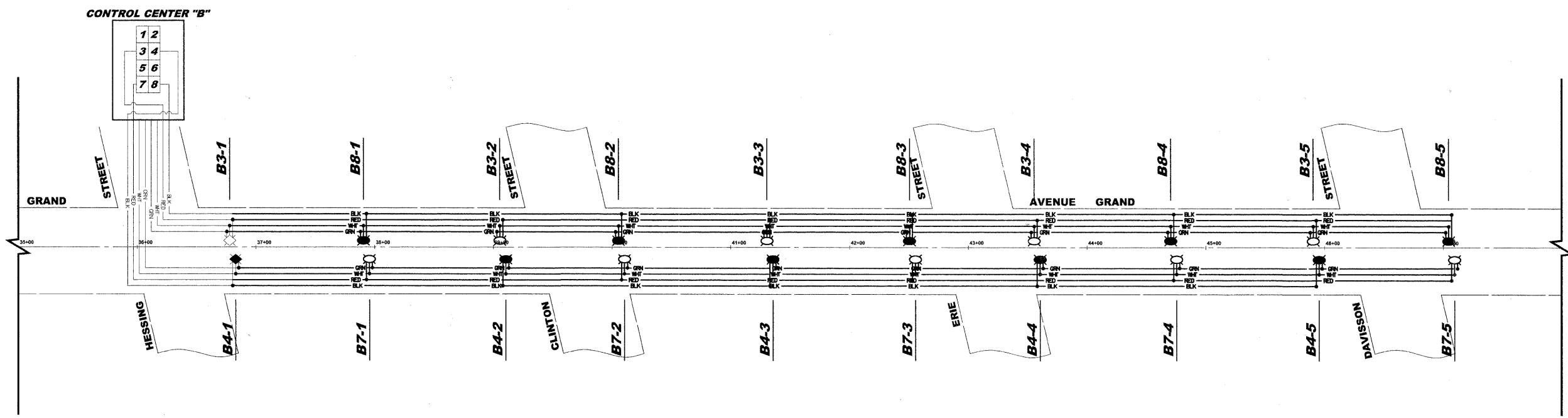
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE STREETScape STAGE II
WIRING DIAGRAM CONTROL CENTER "A"**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	18
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

E.H.E PROJECT NO. 760-10-00720



LEGEND OF SYMBOLS	
— BLK —	PROPOSED 120 VOLT PHASE CABLE (BLACK)
— RED —	PROPOSED 120 VOLT PHASE CABLE (RED)
— WHT —	PROPOSED 120 VOLT NEUTRAL CABLE (WHITE)
— GRN —	PROPOSED GROUND WIRE (GREEN)
— BLK —	EXISTING 120 VOLT PHASE CABLE (BLACK)
— RED —	EXISTING 120 VOLT PHASE CABLE (RED)
— WHT —	EXISTING 120 VOLT NEUTRAL CABLE (WHITE)
— GRN —	EXISTING GROUND WIRE (GREEN)
— ● —	SPLICE
	PROPOSED 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON BLACK WIRE
	PROPOSED 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON RED WIRE
	EXISTING 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON BLACK WIRE
	EXISTING 70 WATT HPS PEDESTRIAN LUMINAIRE (120 VOLT) ON RED WIRE
A1-1	CIRCUIT/POLE NUMBER

LIGHTING CONTROLLER "B" CIRCUIT LOADS					
CIRCUIT	PHASE - RED		CIRCUIT	PHASE - BLACK	
	AMPS	WATTS		AMPS	WATTS
1	13.8	420	2	16.1	490
3	11.5	350	4	11.5	350
5	13.8	420	6	11.5	350
7	11.5	350	8	11.5	350
TOTAL	50.6	1,540	TOTAL	50.6	1,540

NOTE:
PROPOSED LOAD FOR POLE = 70W LUMINAIRE + 120V FESTOON @ 180VA

Drawing file: W:\Projects\6010007 - Grand Ave Streetscape Stage II\GRAND_AVE_Lighting.dwg Jan 05, 2011 - 10:55am

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911

1011 Broadway Blvd
 Westfield, IL 60093-2780
 Phone: 708.942.0308
 Fax: 708.942.0311

USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT SCALE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
PLOT DATE -	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

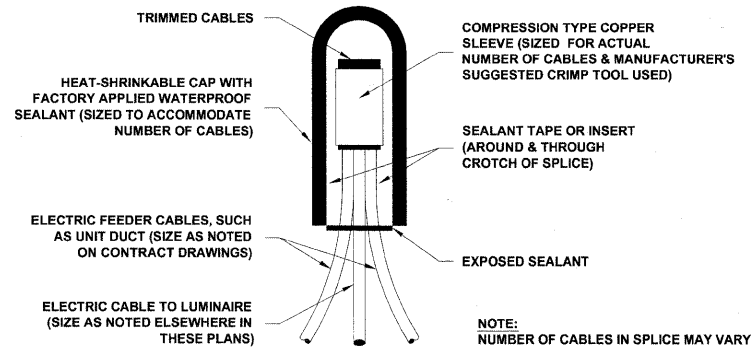
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE STREETScape STAGE II
WIRING DIAGRAM CONTROL CENTER "B"**

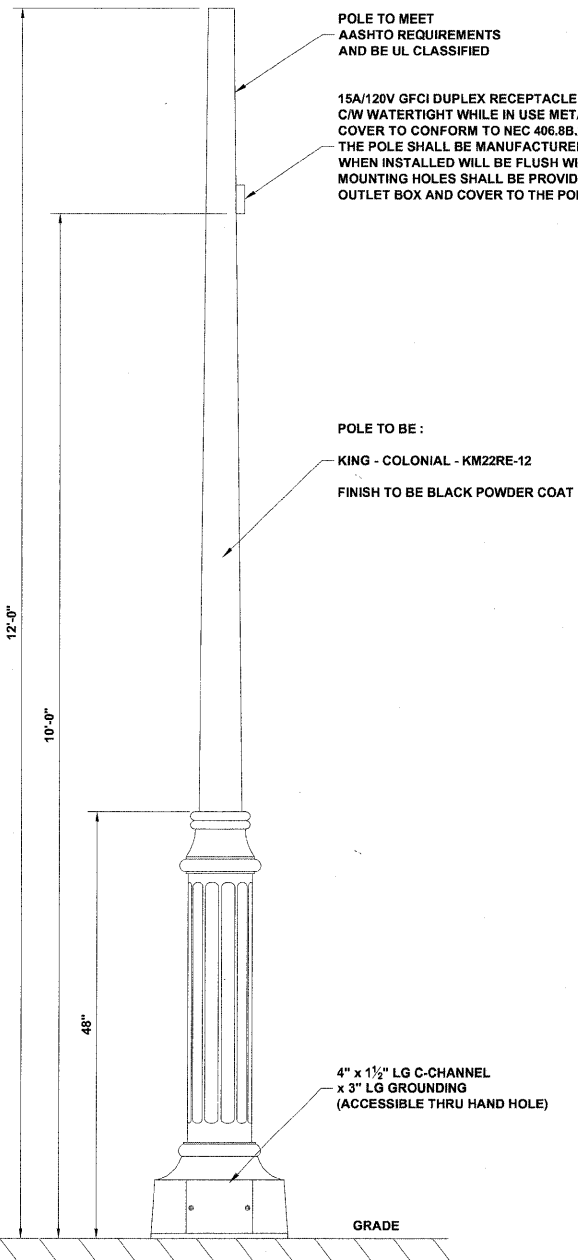
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	19
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

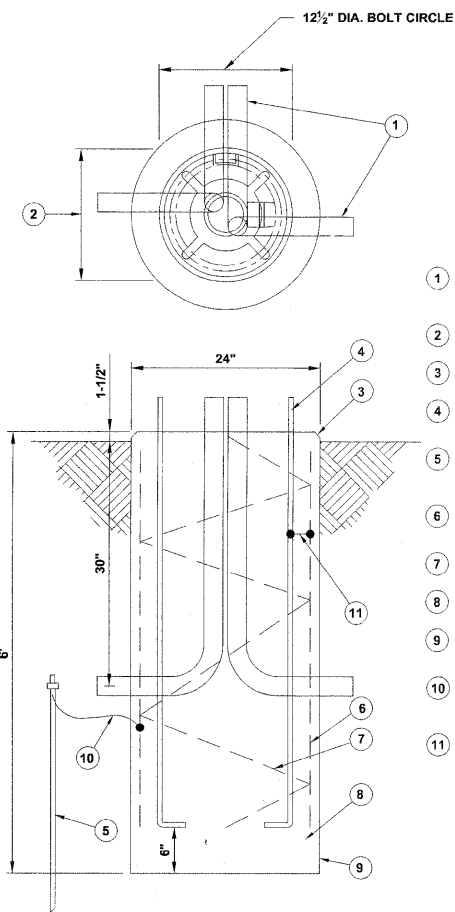
E.H.E PROJECT NO. 760-10-00720



**SPlicing ELECTRIC CABLES
BASIC MATERIALS AND METHODS**

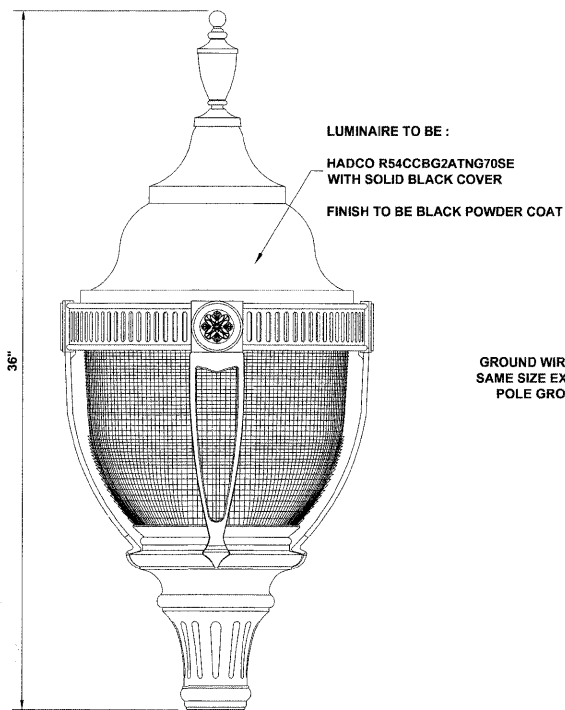


**DECORATIVE LIGHT POLE, ALUMINUM,
12' MOUNTING HEIGHT**

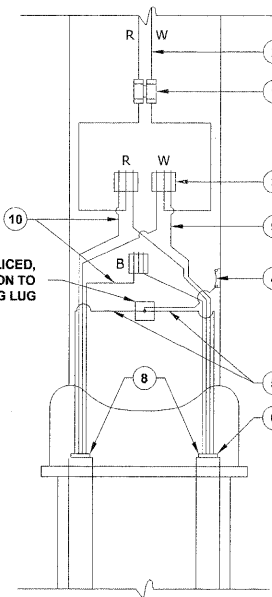


CONCRETE LIGHT POLE FOUNDATION

- 1 DUAL 3" DIA. P.V.C. ELBOW RACEWAYS, EITHER PARALLEL OR OPPOSITE EACH OTHER AS SHOWN ON PLAN SHEETS
- 2 MANUFACTURER TO FURNISH TEMPLATE DRAWING FOR SETTING OF ANCHOR BOLTS
- 3 1" CHAMFER
- 4 4 - 1" x 36" STEEL ANCHOR BOLTS, TOP 10" THREADED AND GALVANIZED
- 5 5/8" x 10' GROUND ROD CONNECTED TO GROUND WIRE WITH EXOTHERMIC WELD EXCEPT AT ANCHOR BOLT AT ALL POLE LOCATIONS
- 6 8 - #5 REINFORCING BARS EQUALLY SPACED AROUND AN 18" DIA. CIRCLE
- 7 #4 SPIRAL TIE BARS WITH 6" PITCH
- 8 CLASS SI CONCRETE
- 9 FOUNDATION LOCATIONS AS SHOWN ON PLAN SHEETS.
- 10 No. 2/0 BARE COPPER GROUND WIRE TO GROUND ROD AND REINFORCING BARS WITH EXOTHERMIC WELD
- 11 No. 2/0 BARE COPPER GROUND WIRE TO ANCHOR ROD - MECHANICAL CONNECTION



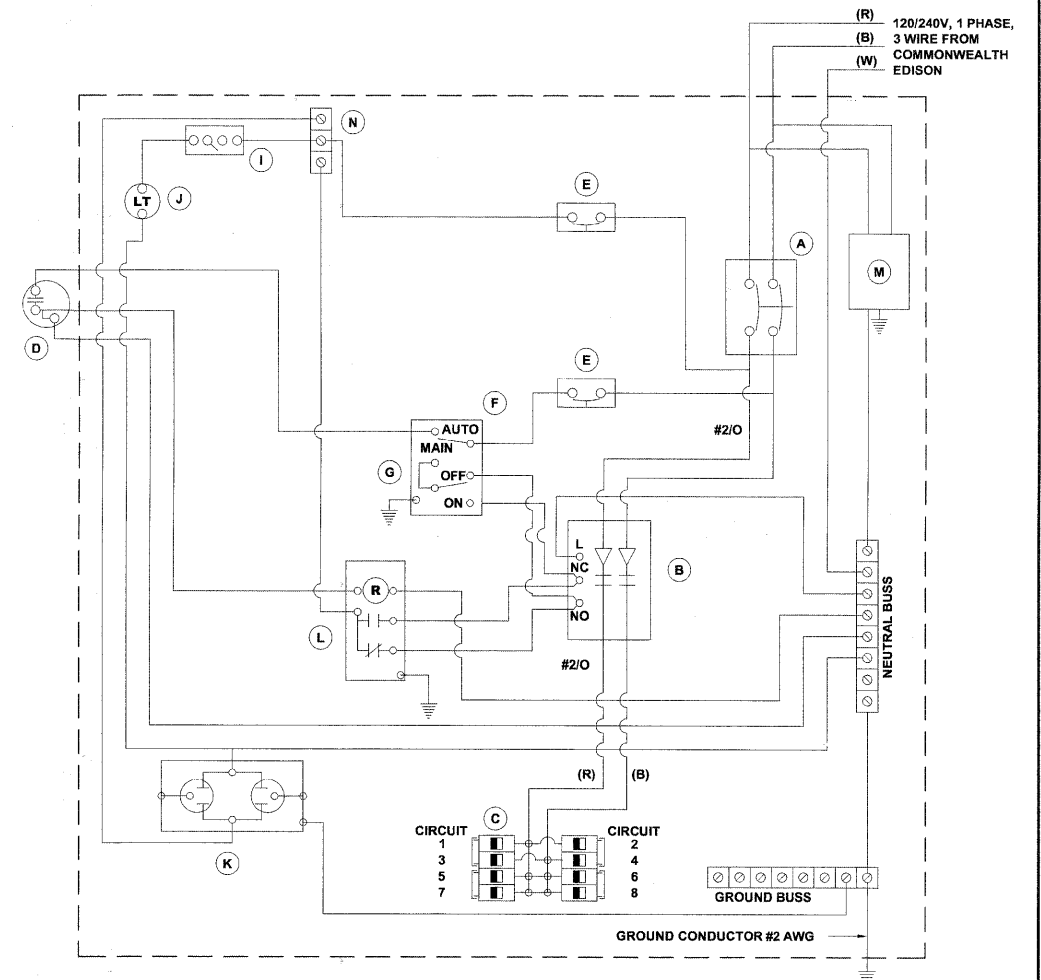
**DECORATIVE ACORN STYLE LUMINAIRE,
SODIUM VAPOR, TENON MOUNT, 70 WATT**



POLE HANDHOLE WIRING DIAGRAM

- 1 STANDARD-TYPE SMALL DIMENSION DOUBLE POLE FUSEHOLDER WITH INSULATED BOOTS, FUSING AND SOLID NEUTRAL SLUG (SEE SPECS)
- 2 2-1/2" #10 AWG, 600V TYPE RHW, SOLID COLOR CODED CABLES
- 3 SPLICE AS SPECIFIED
- 4 3/8" - 16 TAPPED HOLE BE PROVIDED FOR GROUND LUG
- 5 INSULATED GROUND WIRE, 600V TYPE RHW, SOLID COLOR GREEN, SIZE AS SPECIFIED
- 6 UNIT DUCT
- 7 3" P.V.C. CONDUIT RACEWAYS
- 8 ENDS OF THE UNIT DUCT SHALL BE SEALED AGAINST THE ENTRANCE OF WATER
- 9 NEUTRAL CONDUCTOR, 600V TYPE RHW, SOLID COLOR WHITE, SIZE AS SPECIFIED
- 10 PHASE CONDUCTORS, 600V TYPE RHW, SOLID COLOR, SIZE AS SPECIFIED

NOTE:
ALLOW 30" LOOP OF CABLES TO INSURE SUFFICIENT SLACK FOR WITHDRAWAL OF THE CONNECTORS OUTSIDE OF THE POLE HANDHOLE.



EXISTING 120/240 VOLT CONTROLLER PANEL WIRING DIAGRAM

DEVICE SCHEDULE		
QUANTITY	DESCRIPTION	
(A) 1	100 AMP CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, SINGLE THROW, 600V FRAME, NON-INTERCHANGABLE TRIP, BOLT ON TYPE.	
(B) 1	100 AMP, ELECTRICALLY OPERATED AND MECHANICALLY HELD LIGHTING CONTRACTOR, 2-POLE, 600 VOLT WITH 120 V COIL	
(C) 6	120/240 VOLT 1 PHASE PANEL BOARD WITH 100 AMP COPPER MAINS SINGLE POLE, 30 AMP, 120 VOLT BOLT ON BRANCH CIRCUIT BREAKERS	
(D) 1	PHOTO-ELECTRIC CELL, 120 VOLT, MOUNT ON UNDERSIDE OF VENT ON CONTROLLER	
(E) 2	THERMAL MAGNETIC, MOLDED CASE CIRCUIT BREAKER, 1 POLE, 15 AMP, 120 VOLT BOLT ON TYPE	
(F) 1	CONTROL SWITCH, MOMENTARY CONTACT, SPDT, 15 AMP, 120 VOLT	
(G) 1	CONTROL SWITCH, TOGGLE TYPE, SPDT, 20 AMP, 120 VOLT SPECIAL GRADE	
(I) 1	MICRO SWITCH (MOUNTED WITH ACTUATOR TO SWITCH WHEN DOOR IS OPEN) 120 VOLT, 20 AMP	
(J) 1	60 WATT LIGHT FIXTURE VAPOR TIGHT WITH GLOBE, GUARD, AND MOUNTING BOX	
(K) 1	120 VOLT, 15 AMP RECEPTACLE, SPECIFICATION GRADE IN NEMA 5-15R WEATHER PROOF BOX WITH FLAP-TYPE COVER. OUTLET TO BE GFI-TYPE.	
(L) 1	POWER RELAY WITH 25 AMP CONTACTS RATED FOR CONTRACTOR INRUSH CURRENT - 120 VOLT COIL	
(M) 1	SURGE ARRESTOR, 5 WIRE EDCO "4803" OR EQUAL	
(N) 1	TERMINAL BLOCK, 120 VOLT, 50 AMP MAXIMUM WITH NUMBER OF TERMINALS AS INDICATED	

- NOTES:
1. ALL CIRCUIT BREAKERS SHALL HAVE AN INTERRUPT RATING OF 18,000 AMPS
 2. UL LISTED DEVICES/COMPONENTS SHALL BE USED
 3. NO SPLICES OF WIRES IN CABINET
 4. CONTROL WIRE TO BE #12 MTW
 5. POWER WIRE SHALL BE RATED RHW/RHW 600 VOLTS OF SIZE INDICATED
 6. LIGHTING CONTROLLER SHALL BE SERVICE ENTRANCE RATED

Drawing file: W:\Projects\78010007 - Grand Ave Streetscape Stage II\9_Lighting Details.dwg Jan 05, 2011 - 10:56am

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USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
PLOT SCALE -	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

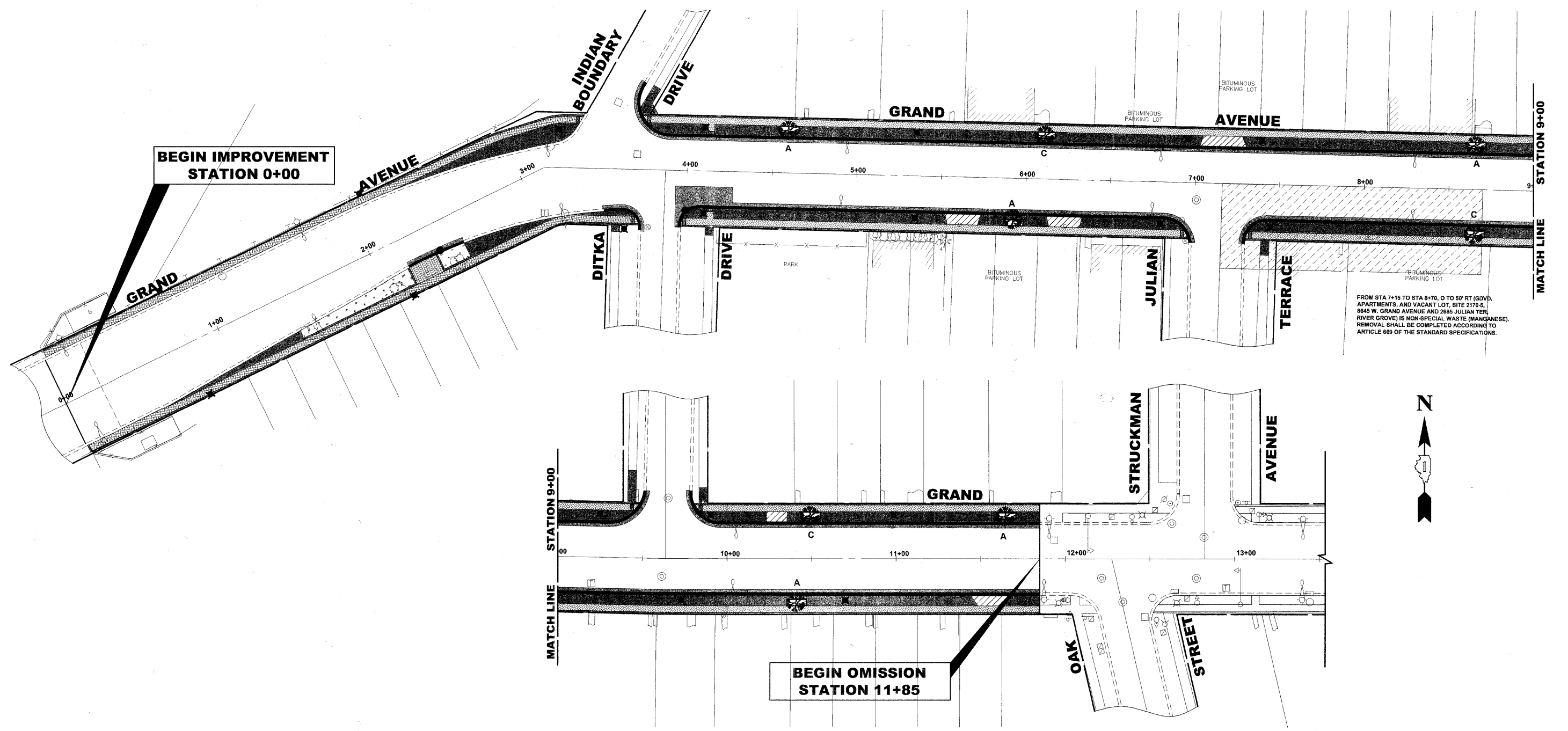
GRAND AVENUE STREETSCAPE STAGE II
LIGHTING DETAILS

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

F.A.U. RTE. 1376	SECTION 10-00095-00-SW	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 20
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-0001(823)	

E.H.E PROJECT NO. 760-10-00720

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\91_Landscaping_Grand.dwg Jan 05, 2011 10:59am



FROM STA 7+15 TO STA 8+70, 0 TO 50' RT (GOVD. APARTMENTS, AND VACANT LOT, SITE 2170-5, 9645 W. GRAND AVENUE AND 2685 JULIAN TER, RIVER GROVE) IS NON-SPECIAL WASTE (MANGANESE). REMOVAL SHALL BE COMPLETED ACCORDING TO ARTICLE 609 OF THE STANDARD SPECIFICATIONS.

LANDSCAPING NOTES

SODDING:
 ALL DISTURBED AREAS INDICATED ON LANDSCAPING PLANS ARE TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS*, AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 10 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDED AREAS).

FERTILIZER NUTRIENTS* FOR SODDING:
 USE A FERTILIZER WITH A 1:1:1 RATIO PER ACRE:
 60 LBS. NITROGEN FERTILIZER NUTRIENT
 60 LBS. PHOSPHORUS FERTILIZER NUTRIENT
 60 LBS POTASSIUM FERTILIZER NUTRIENT
 TOTAL: 180 LBS. PER ACRE

TREE REPLACEMENT:
 TREE TYPE & LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

4" TOP SOIL LAYER:
 SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.

TREE REPLACEMENT				
CODE	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	CLEVELAND SELECT PEAR	PYRUS CALLERYANA	2" CALIPER	8
B	NORWAY MAPLE	ACER PLANTANOIDES	2" CALIPER	1
C	IVORY SILK	SYRINGA RETICULATA	2" CALIPER	6

NOTE: ALL TREES BALLED AND BURLAPPED

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
	PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
	PROPOSED PAVING BRICK SIDEWALK AREA
	PROPOSED PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
	PROPOSED INCIDENTAL HOT-MIX ASPHALT (SPECIAL)
	PROPOSED SODDED PARKWAY
	PROPOSED TREE WITH PLANTER

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911

USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT SCALE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
PLOT DATE -	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

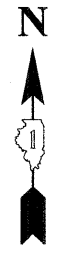
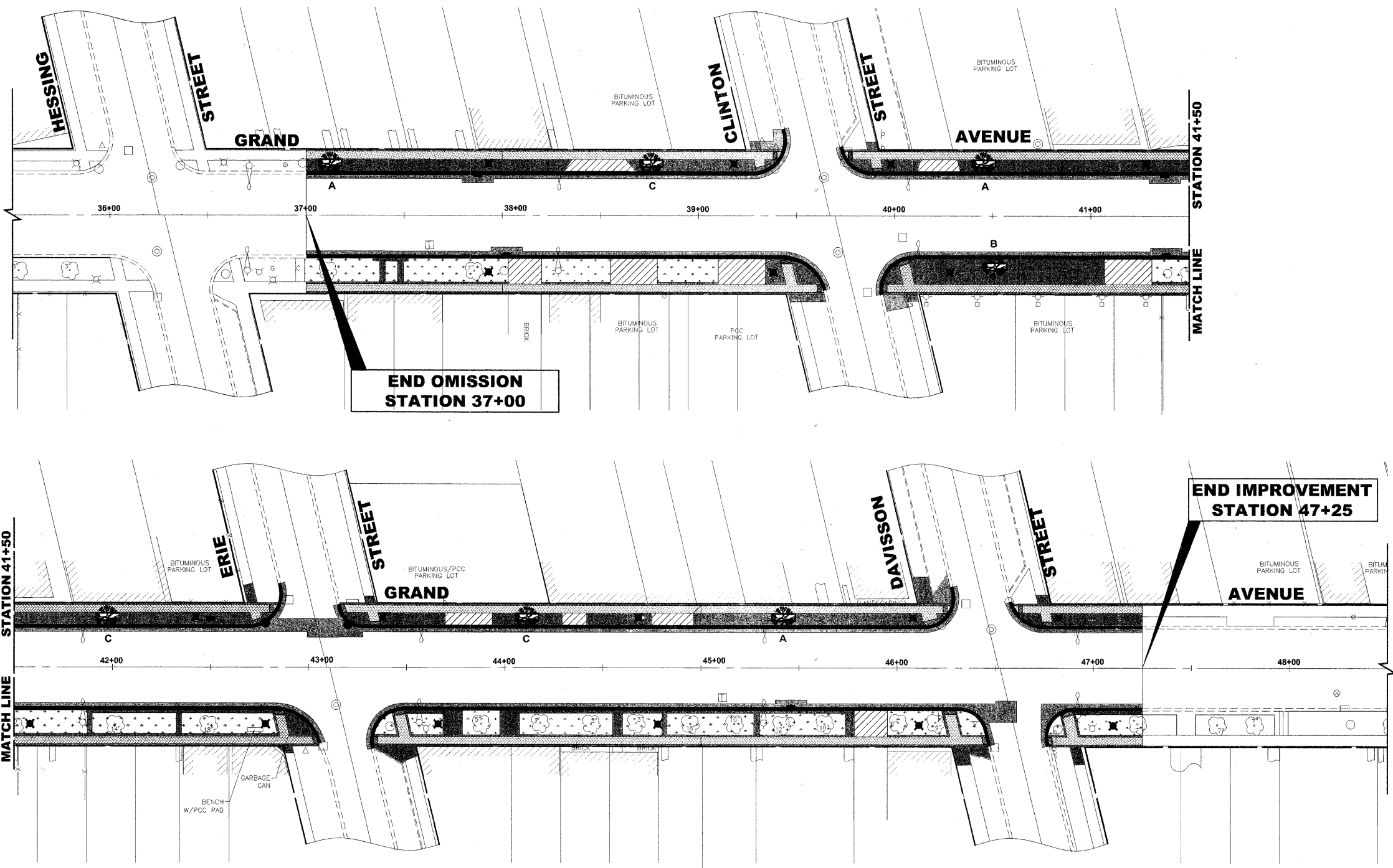
GRAND AVENUE STREETScape STAGE II
 LANDSCAPING PLAN

SCALE: 1"=30' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE. 1376	SECTION 10-00095-00-SW	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 21
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

E.H.E PROJECT NO. 760-10-00720

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\91_Landscaping_Grand.dwg Jan 05, 2011 - 10:59am



**END OMISSION
STATION 37+00**

**END IMPROVEMENT
STATION 47+25**

LANDSCAPING NOTES

SODDING:
ALL DISTURBED AREAS INDICATED ON LANDSCAPING PLANS ARE TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS*, AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 10 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDD AREAS).

FERTILIZER NUTRIENTS* FOR SODDING:
USE A FERTILIZER WITH A 1:1:1 RATIO PER ACRE:
60 LBS. NITROGEN FERTILIZER NUTRIENT
60 LBS. PHOSPHORUS FERTILIZER NUTRIENT
60 LBS POTASSIUM FERTILIZER NUTRIENT
TOTAL: 180 LBS. PER ACRE

TREE REPLACEMENT:
TREE TYPE & LOCATION TO BE FINALIZED IN THE FIELD BY THE ENGINEER.

4" TOP SOIL LAYER:
SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
	PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
	PROPOSED PAVING BRICK SIDEWALK AREA
	PROPOSED PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
	PROPOSED INCIDENTAL HOT-MIX ASPHALT (SPECIAL)
	PROPOSED SODDED PARKWAY
	PROPOSED TREE WITH PLANTER

TREE REPLACEMENT				
CODE	COMMON NAME	SCIENTIFIC NAME	SIZE	QUANTITY
A	CLEVELAND SELECT PEAR	PYRUS CALLERYANA	2" CALIPER	8
B	NORWAY MAPLE	ACER PLANTANOIDES	2" CALIPER	1
C	IVORY SILK	SYRINGA RETICULATA	2" CALIPER	6

NOTE: ALL TREES BALLED AND BURLAPPED

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911

1913 River 47 Road
Waukegan, IL 60087
Phone: 815-491-2700
Fax: 815-491-2112

USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
PLOT SCALE -	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

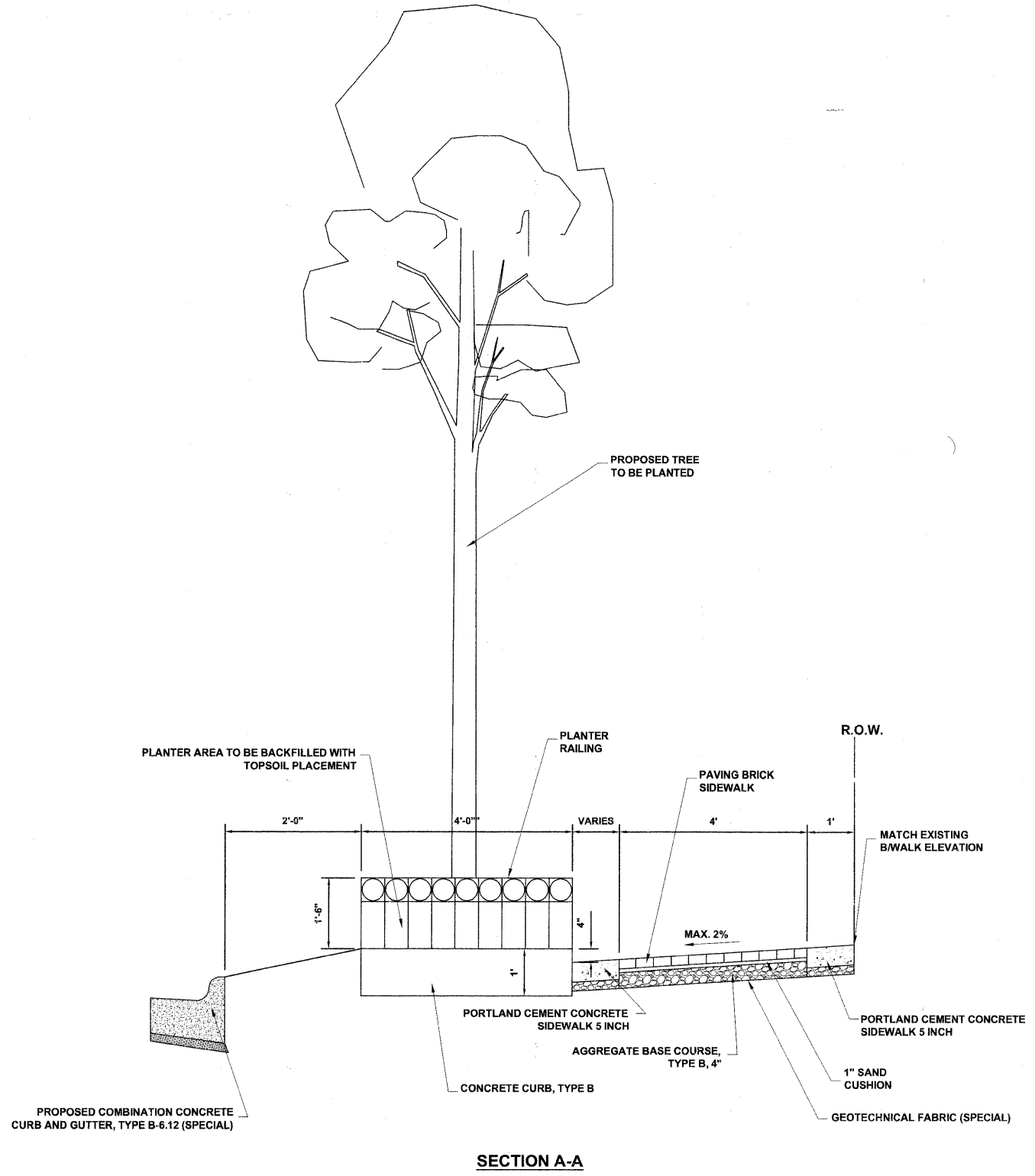
**GRAND AVENUE STREETScape STAGE II
LANDSCAPING PLAN**

SCALE: 1"=30' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

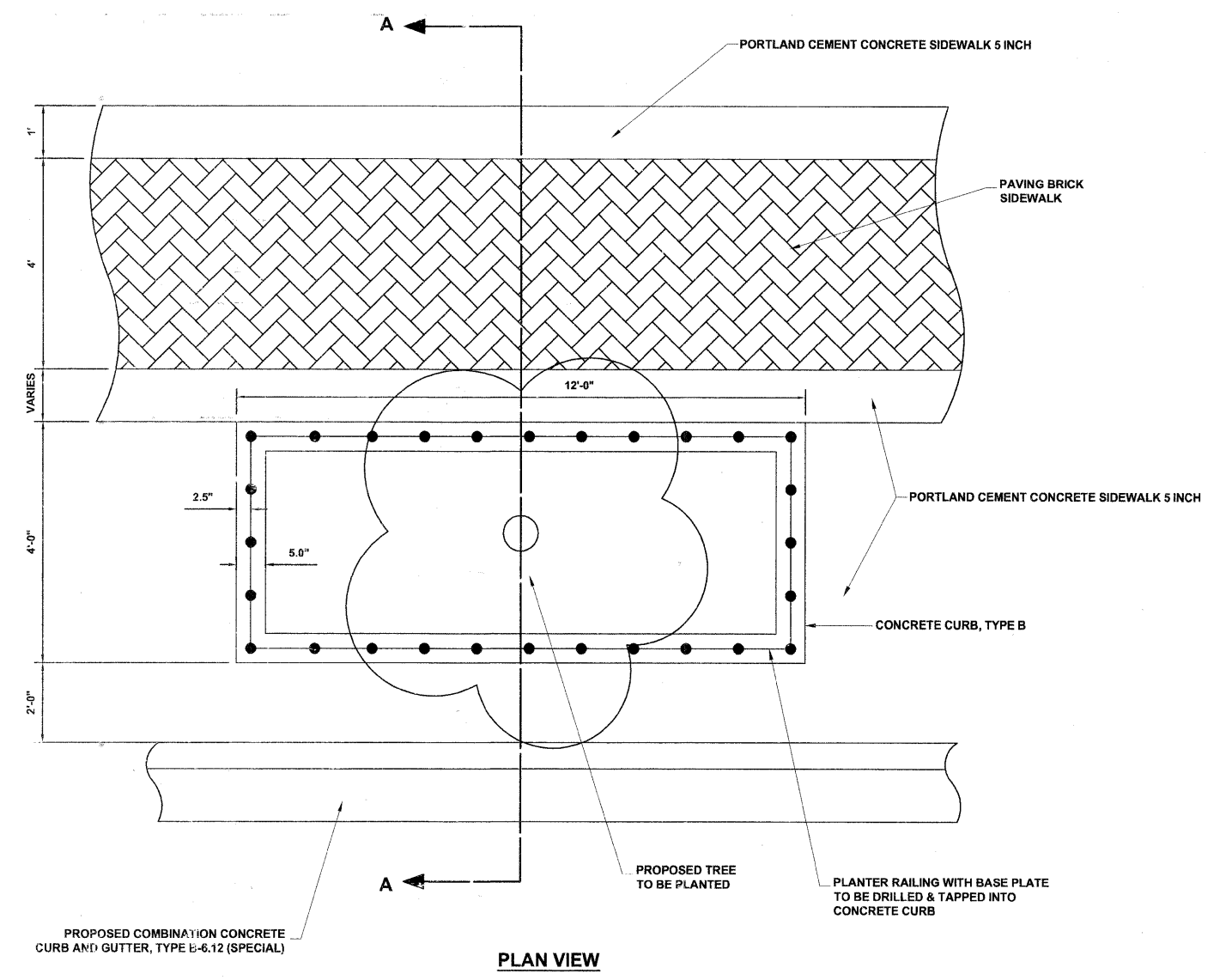
F.A.U. RTE. 1376	SECTION 10-00095-00-SW	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 22
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

E.H.E PROJECT NO. 760-10-00720

Drawing File: W:\Projects\76010007 - Grand Ave Streetscape Stage II\92_Landscaping Details.dwg Jun 10, 2011 - 1:38pm



SECTION A-A



PLAN VIEW

DETAIL FOR TREE WITH PLANTER



933 Riverside Road
Waukegan, Illinois 60087-2700
Phone: 815.932.0300
Fax: 815.932.0322

USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
PLOT SCALE -	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

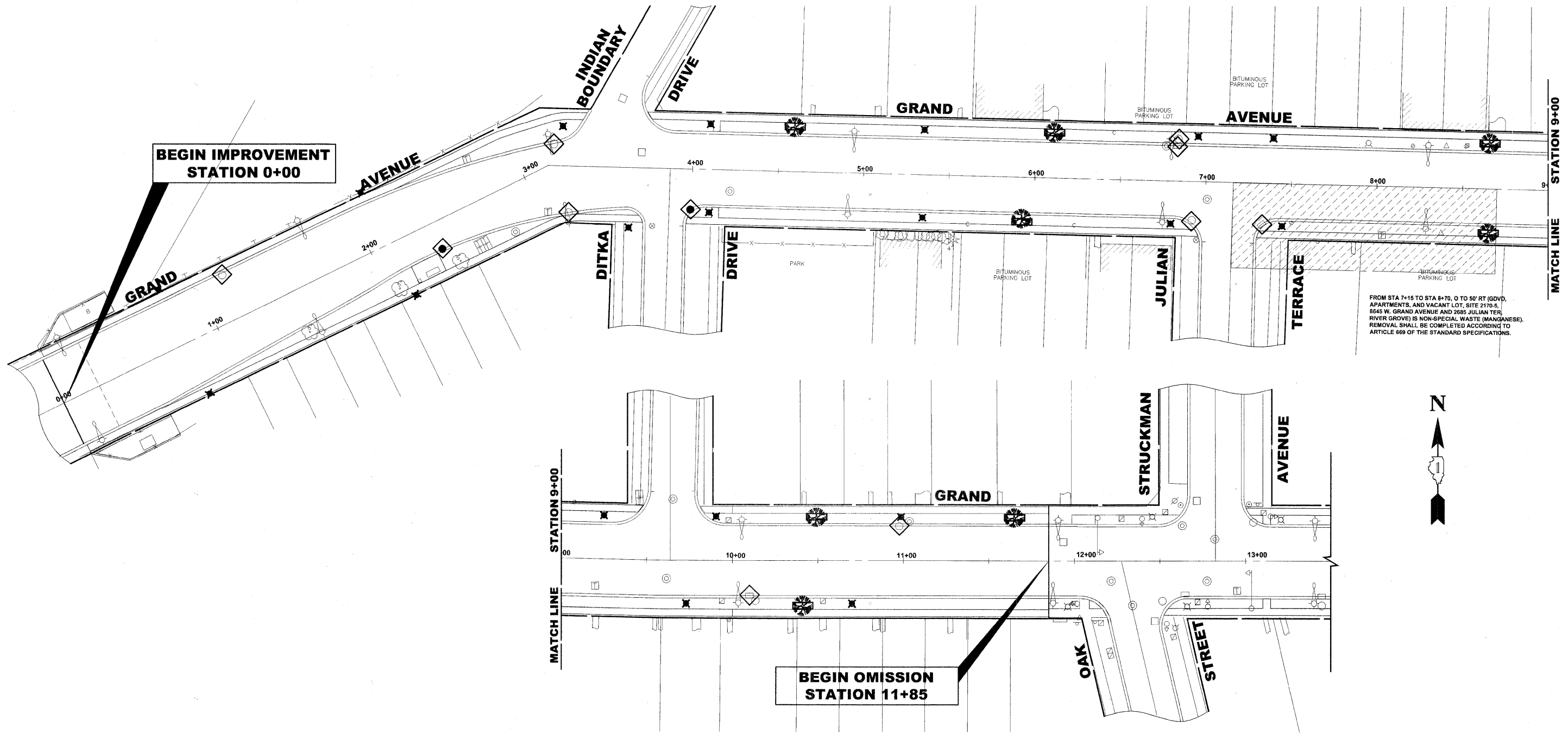
**GRAND AVENUE STREETScape STAGE II
LANDSCAPING DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	23
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

E.H.E PROJECT NO. 760-10-00720

Drawing file: W:\Projects\78010007 - Grand Ave Streetscape Stage II\91_Landscaping_Grand.dwg Jan 05, 2011 - 10:59am



FROM STA 7+15 TO STA 8+70, 0 TO 55' RT (GDVD, APARTMENTS, AND VACANT LOT, SITE 2170-5, 8045 W. GRAND AVENUE AND 2685 JULIAN TER, RIVER GROVE) IS NON-SPECIAL WASTE (MANGANESE). REMOVAL SHALL BE COMPLETED ACCORDING TO ARTICLE 609 OF THE STANDARD SPECIFICATIONS.

NOTES

1. SEE IDOT STANDARD 280001-05 FOR TEMPORARY EROSION CONTROL.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
◊	INLET FILTER

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911

USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT SCALE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
PLOT DATE -	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

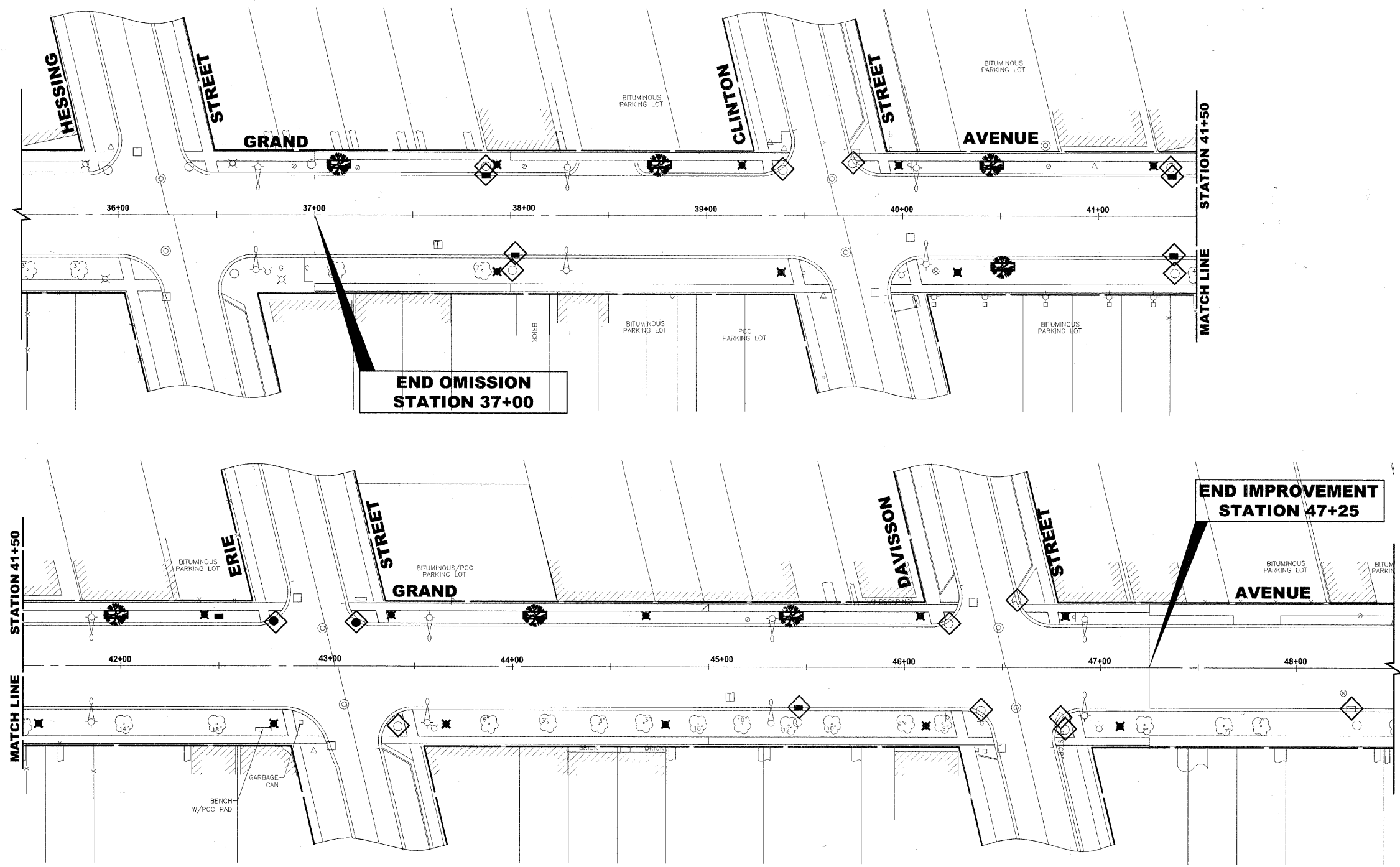
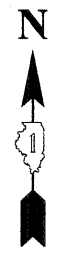
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRAND AVENUE STREETSCAPE STAGE II
EROSION CONTROL PLAN**

SCALE: 1"=30' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	24
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(823)	

E.H.E PROJECT NO. 760-10-00720



NOTES

1. SEE IDOT STANDARD 280001-05 FOR TEMPORARY EROSION CONTROL.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
◊	INLET FILTER

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\91_Landscaping_Grand.dwg Jan 05, 2011 - 10:59am

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911

9513 Roswell Road
 Westchester, Illinois 60591-2700
 Phone: 630-683-0300
 Fax: 708-665-0212

USER NAME -	DESIGNED - MK	REVISED - 1-5-11 IDOT FINAL
PLOT SCALE -	DRAWN - MK/LEV	REVISED - 6-28-10 IDOT PRE-FINAL
PLOT DATE -	CHECKED - CB	REVISED - 6-04-10 IDOT PSE
	DATE - 03-02-10	REVISED - 3-19-10 MWRDGC

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

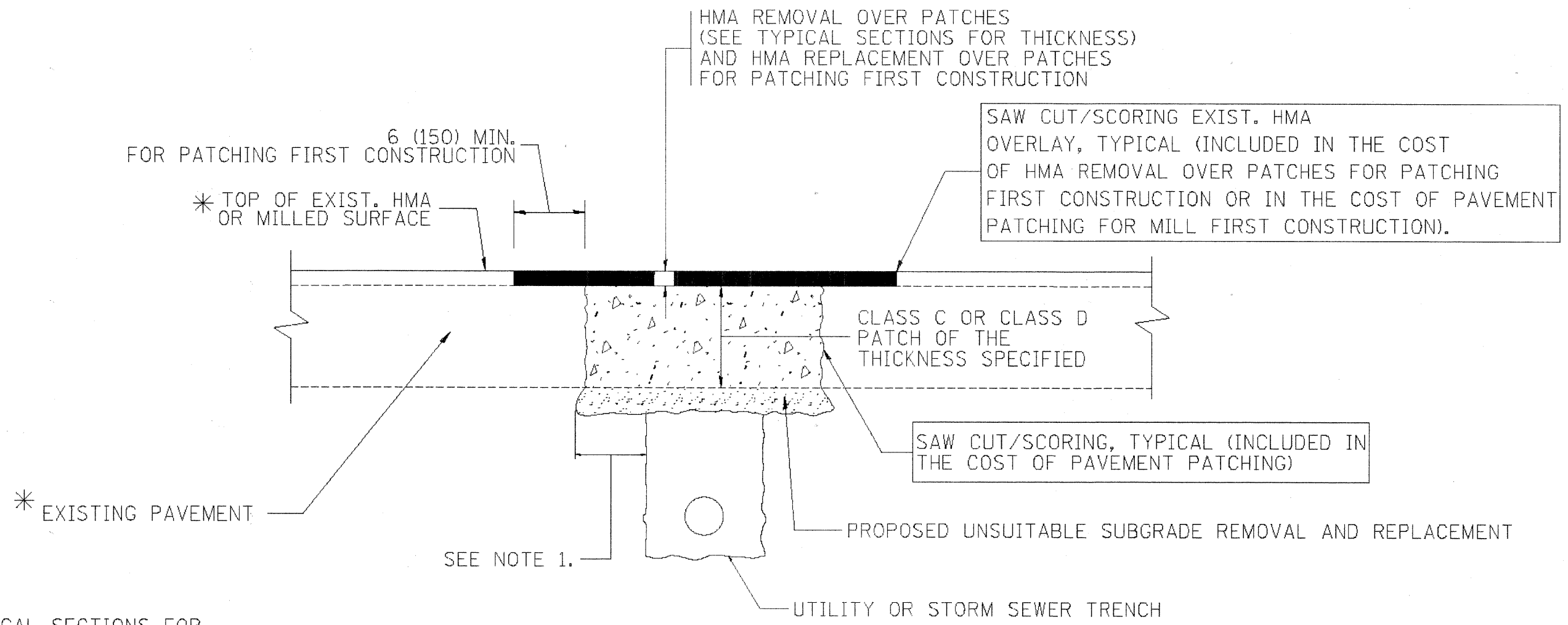
**GRAND AVENUE STREETSCAPE STAGE II
EROSION CONTROL PLAN**

SCALE: 1"=30' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1376	10-00095-00-SW	COOK	29	25
(FIELD BOOK NOS. 1441/1443/1516)		CONTRACT NO. 63511		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	TE-00D1(623)	

E.H.E PROJECT NO. 760-10-00720

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\93_DOT_MARCONI.dgn Aug 17, 2010 - 1:33pm



* 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.

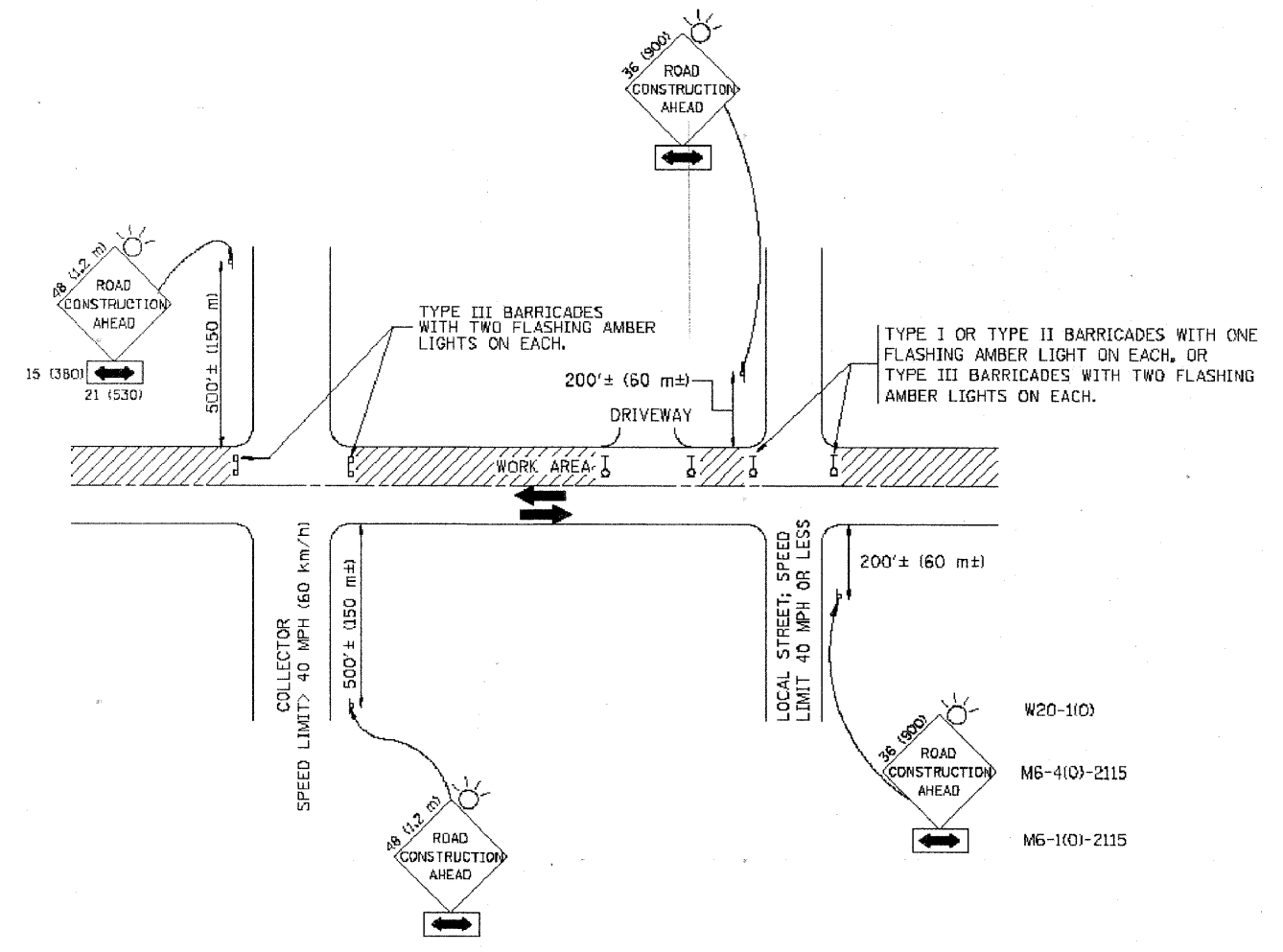
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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 = c:\projects\dstat22x34\bd22.dgn	USER NAME = baurd	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.U. RTE. 1376	SECTION 10-00095-00-SW	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 26		
PLOT SCALE = 5/8" = 1' IN.	CHECKED -	REVISOR - R. BORO 01-01-07	REVISOR - R. BORO 09-04-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 63511			
PLOT DATE = 10/27/2008	DATE = 10-25-94	REVISOR - K. ENG 10-27-08				FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT TE-00D1(823)						
E.H.E. PROJECT NO. 760-10-00720												

Drawing file: W:\Projects\76010007 - Grand Ave Streetscape Stage II\93_IDOT_MARKINGS.dgn Jul 30, 2010 - 2:49pm
 W:\data\22c34\1018.dgn



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.

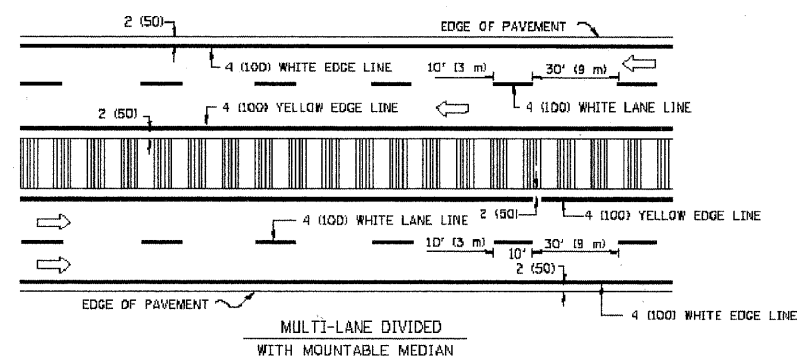
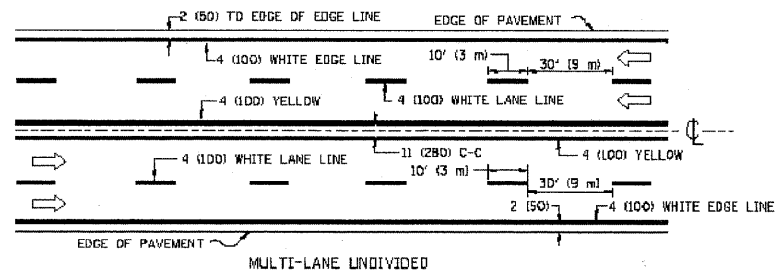
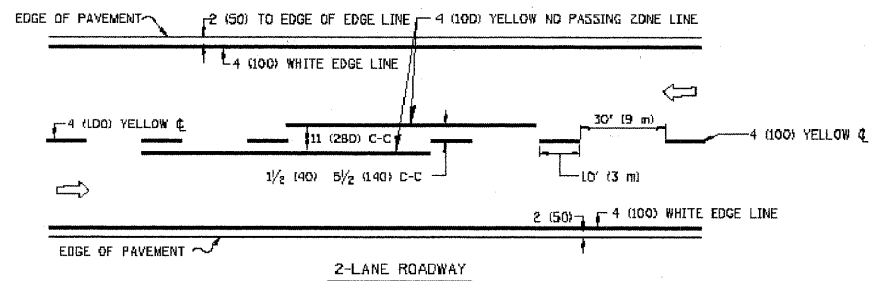
FILE NAME = W:\data\22c34\1018.dgn	USER NAME = geglianoht	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

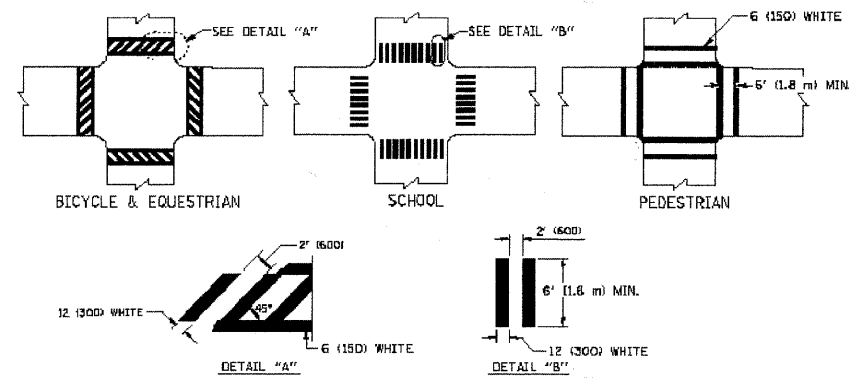
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.

F.A.U. RTE. 1376	SECTION 10-00095-00-SW	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 27
TC-10			CONTRACT NO. 63511	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-00D1(823)				

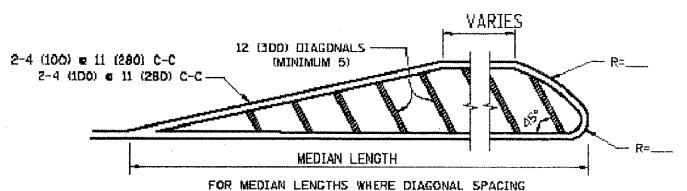
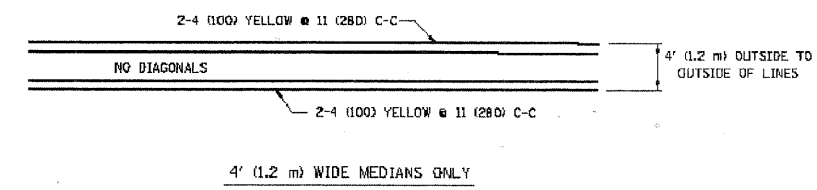
E.H.E. PROJECT NO. 760-10-00720



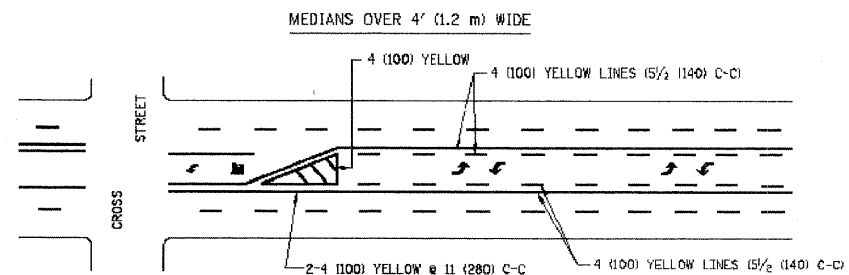
TYPICAL LANE AND EDGE LINE MARKING



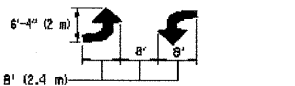
TYPICAL CROSSWALK MARKING



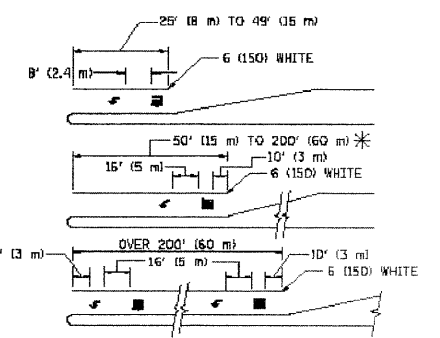
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



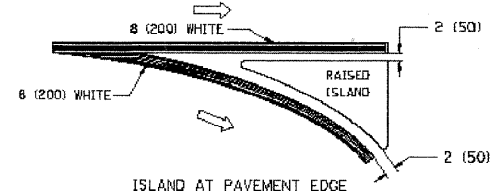
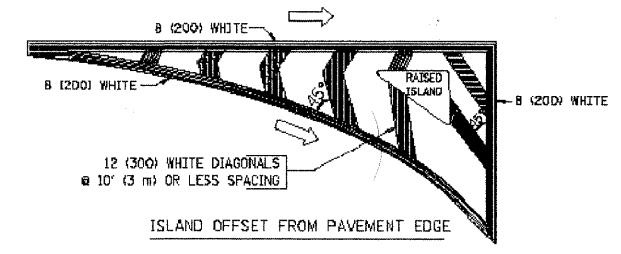
TYPICAL PAINTED MEDIAN MARKING



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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

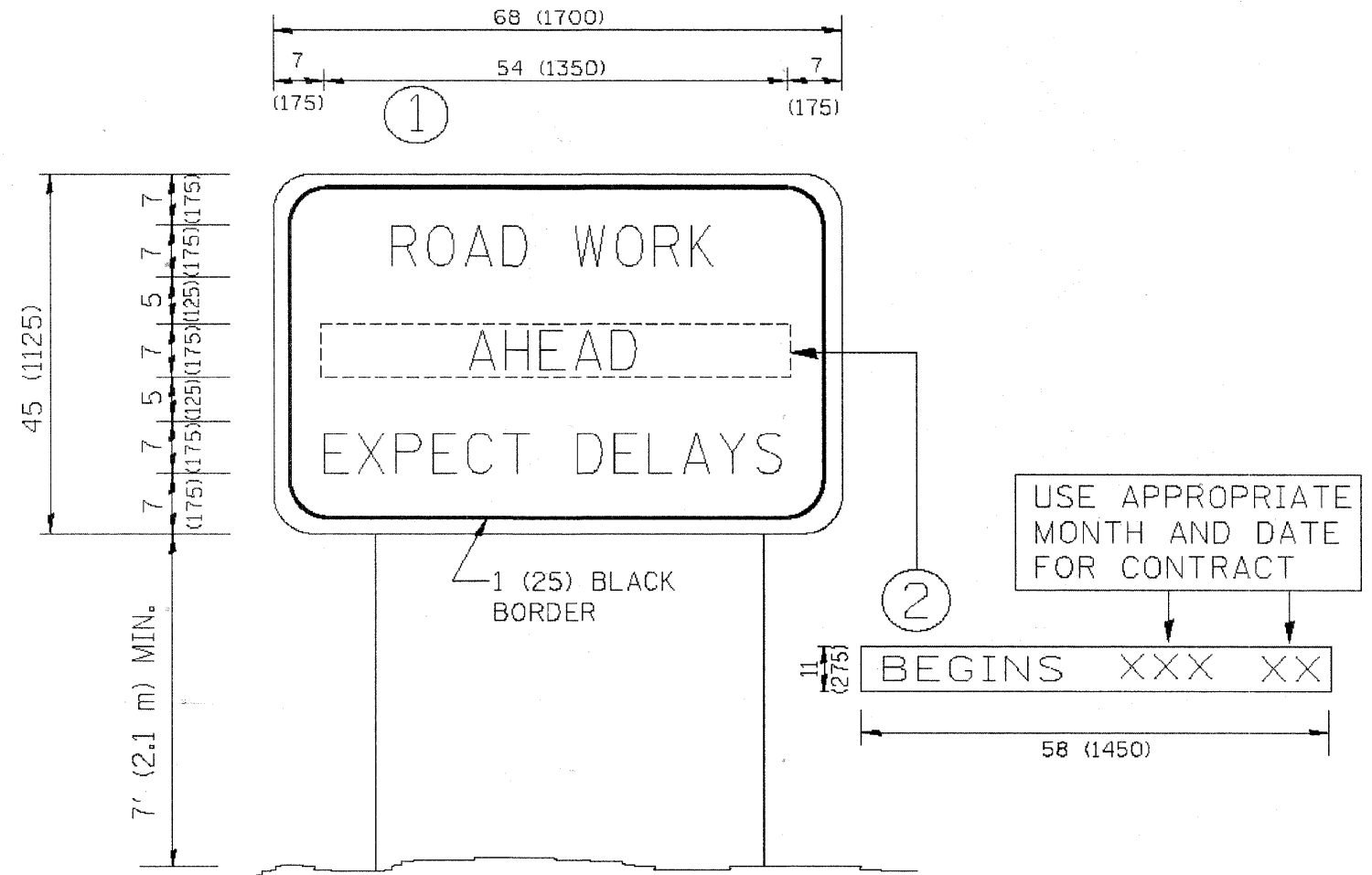
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	30' (9 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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	30' (9 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' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	30' (9 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (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.
DORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' (4.5 m) LINE FOR "X" LETTERS: 16 (400)	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

Drawing File: W:\Projects\76010007 - Grand Ave Streetscape Stage II\93_DOT_MARKINGS.dwg Jul 30, 2010 - 2:51pm

Drawing file: W:\Projects\76010007 - Grand Ave Streetcscope Stage I\93_001_MARKINGS.dwg Jun 26, 2010 - 3:20pm



NOTES:

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

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

FILE NAME = W:\drtatd\22x34\sa22.dgn	USER NAME = gegliendrt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN		F.A. RTE. 1376	SECTION 10-00095-00-SW	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 29
		DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET NO. 11 OF 11 SHEETS	STA.	TO STA.	TC-22		CONTRACT NO. 63511
		CHECKED -	REVISED - T. RAMWACHER 02-02-99				FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	TE-0001(823)
		DATE -	REVISED - C. JUCIUS 01-31-07								E.H.E. PROJECT NO. 760-10-00720