

INDEX OF SHEETS ON SHEET NO. 2

1-20-2012 LETTING ITEM 129

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED FEDERAL AID HIGHWAY
FAU ROUTE 1026 (DIVISION STREET)
25th AVENUE TO 9th AVENUE
SECTION NO. 10-00116-00-SW
PROJECT M-TE-00D1(825)
VILLAGE OF MELROSE PARK
COOK COUNTY
JOB NO. C-91-512-10

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1026	10-00116-00-SW	COOK	40	1
ILLINOIS PROJECT		M-TE-00D1(825)		
CONTRACT NO. 63654				



LOCATION OF SECTION INDICATED THIS:

TRAFFIC DATA

ADT (2010) = 4,500
 POSTED SPEED LIMIT = 30 MPH
 DESIGN SPEED LIMIT = 35 MPH

DESIGN DESIGNATION

COLLECTOR

PROJECT LOCATED IN THE VILLAGE OF MELROSE PARK

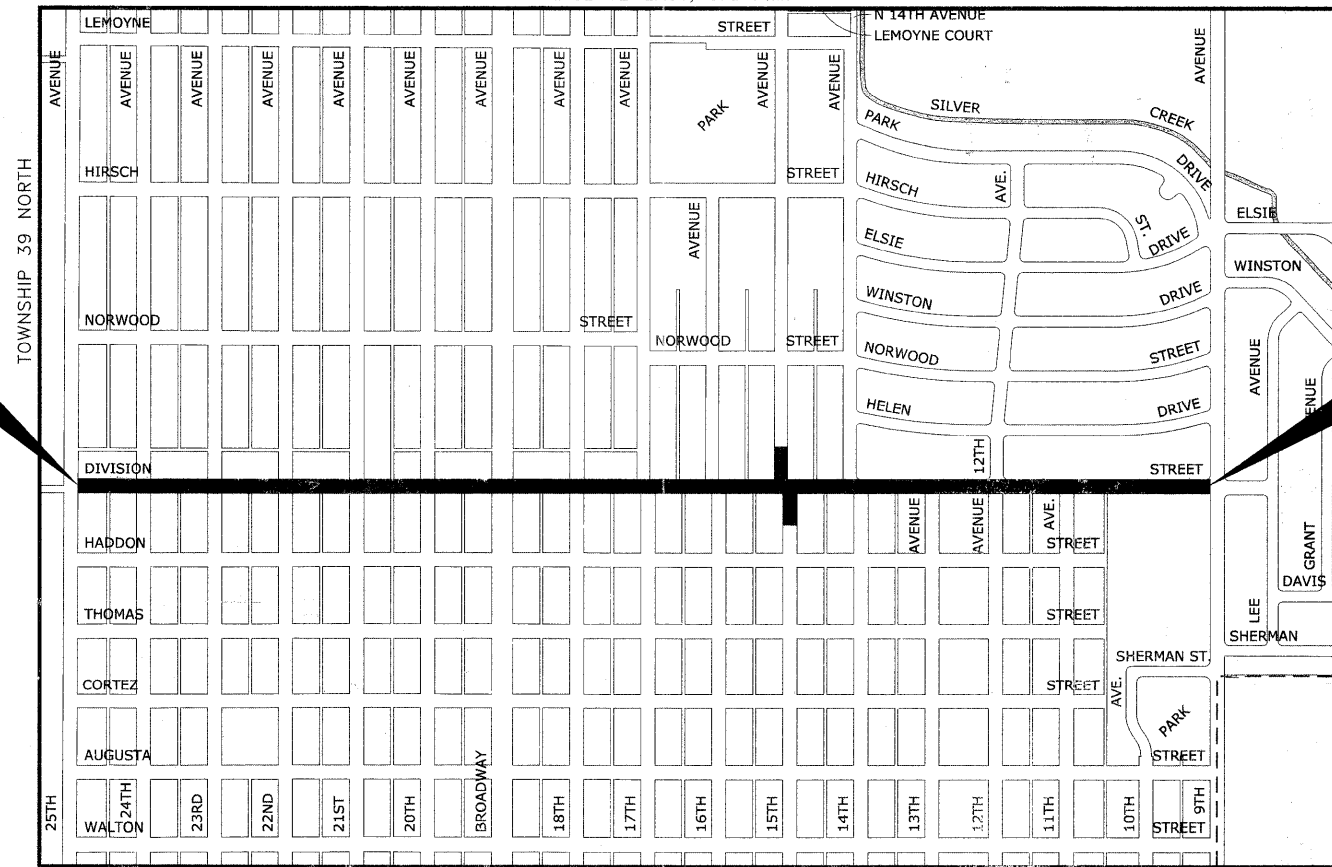


Know what's below.
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 OR
 800-896-0123

PROJECT BEGINS STATION 0+99 DIVISION STREET

PROJECT ENDS STATION 53+76 DIVISION STREET

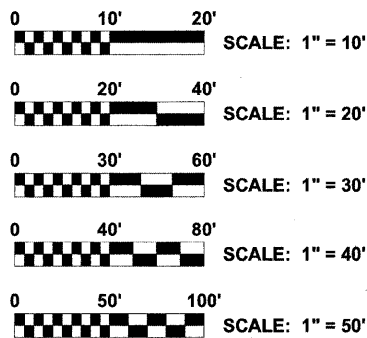
LOCATION MAP
 RANGE 12 EAST, 3rd P.M.



AREA OF IMPROVEMENT

PROVISO TOWNSHIP
 MAP SCALE : NONE

GROSS LENGTH OF IMPROVEMENT = 5,277 FT ≈ 1.00 MI.
 NET LENGTH OF IMPROVEMENT = 5,277 FT ≈ 1.00 MI.



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.

CONTRACT NO. 63654

STATE OF ILLINOIS ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED	NOVEMBER 21 2011 <i>Paul M. Anderson</i> VILLAGE OF MELROSE PARK, PRESIDENT
PASSED	NOVEMBER 17 2011 <i>Chris A. ...</i> DISTRICT ENGINEER OF LOCAL ROADS & STREETS
RELEASED FOR BID BASED ON LIMITED REVIEW	NOVEMBER 16, 2011 <i>Diana M. O'Neil</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER



SIGNED: *Edwin L. Stoelting*
 DATE: NOV. 2, 2011 LICENSE EXPIRES :11-30-11

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

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E.H.E. PROJECT NO. 600-11-04602

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406 SCHAUMBURG

Drawing file: W:\Projects\60011046 - Division Street IEP\Cover-DivisionStreet.dwg Nov 01, 2011 - 11:12am

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
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5	TYPICAL CROSS SECTIONS
6-7	ROADWAY DETAILS
8	MAINTENANCE OF TRAFFIC PLAN
9	DETOUR SIGNING LEGEND
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18-20	LANDSCAPE ARCHITECT PLANS & DETAILS
21-26	STRUCTURAL DETAILS
27-30	LED POWER AND CONTROL PLAN, IRRIGATION PLAN
31	LED LIGHTING DETAILS
32-37	WIRING DIAGRAMS
38	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
39	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
40	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)

I.D.O.T. STANDARD DRAWINGS

STANDARD NO.	TITLE OR DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-06	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016	MID-BLOCK CURB RAMPS FOR SIDEWALKS
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
606306-03	CORRUGATED PORTLAND CEMENT CONCRETE MEDIANS
701501-06	URBAN LANE CLOSURE, 2 L, 2 W, UNDIVIDED
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
729001-01	APPLICATION OF TYPES A&B METAL POSTS (FOR SIGNS & MARKERS)

LEGEND OF SYMBOLS

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

SYMBOL	DESCRIPTION
	EXISTING POWER POLE
	EXISTING GAS VALVE
	EXISTING STREET LIGHT
	EXISTING WATER MAIN BUFFALO BOX
	EXISTING FIRE HYDRANT
	EXISTING WATER MAIN VALVE VAULT
	EXISTING MANHOLE
	EXISTING INLET
	EXISTING CATCH BASIN
	EXISTING TREE
	EXISTING HOT-MIX ASPHALT AREA
	EXISTING CONCRETE AREA
	EXISTING GRASS AREA
	EXISTING STONE OR GRAVEL AREA
	EXISTING STORM SEWER
	EXISTING COMBINATION SEWER
	EXISTING SANITARY SEWER
	EXISTING ELECTRIC LINE
	EXISTING GAS LINE
	EXISTING TELEPHONE LINE
	EXISTING WATER MAIN
	EXISTING CURB AND GUTTER
	EXISTING RIGHT OF WAY
	EXISTING CURB AND GUTTER TO BE REMOVED
	EXISTING HOT-MIX ASPHALT SURFACE TO BE REMOVED
	EXISTING HOT-MIX ASPHALT AREA TO BE REMOVED
	EXISTING CONCRETE AREA TO BE REMOVED
	PROPOSED STORM SEWER
	PROPOSED INLET
	FRAMES AND LIDS TO BE ADJUSTED
	STRUCTURES TO BE FILLED
	PROPOSED CONCRETE AREA
	PROPOSED GRASS AREA
	PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
	EXISTING WATERMAIN RIM ELEVATION
	EXISTING WATERMAIN TOP OF PIPE ELEVATION
	EXISTING SANITARY RIM ELEVATION
	EXISTING SANITARY INVERT ELEVATION
	EXISTING STORM RIM ELEVATION
	EXISTING STORM INVERT ELEVATION
	PROPOSED STORM RIM ELEVATION
	PROPOSED STORM INVERT ELEVATION
	PROPOSED TREE

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♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Woodchester, Illinois 60154-2799
 Phone: 708/965-0599
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DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LEGENDS, BENCHMARKS,
AND HIGHWAY STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	2
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-00D1(825)			EHE PROJECT NO. 600-11-04602	

ACCESS

THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN INGRESS AND EGRESS FOR EMERGENCY VEHICLES INGRESS AND EGRESS ONTO PRIVATE & COMMERCIAL PROPERTY DURING THE CONSTRUCTION PERIOD. 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. IF GARBAGE TRUCK ACCESS IS NOT PROVIDED, THE CONTRACTOR WILL BE REQUIRED TO MOVE TRASH CONTAINERS TO AN ACCESSIBLE LOCATION.

STANDARDS

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE DEPARTMENT AS SHOWN ON THE INDEX OF SHEETS IN THE PLANS.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THE DATA IS ESSENTIALLY CORRECT, BUT THE VILLAGE OF MELROSE PARK, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

ADJUSTMENTS REQUIRED BY UTILITY COMPANIES WILL BE PERFORMED BY THE COMPANY INVOLVED OR ITS CONTRACTOR.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE.

THE CONTRACTOR SHALL USE EXTREME CAUTION IN THE REMOVAL OF ABANDONED EXISTING GAS LINES SINCE RESIDUAL MATERIALS CONTAINED THEREIN ARE HIGHLY EXPLOSIVE, FLAMMABLE, AND TOXIC. ONCE THE MAINS ARE ABANDONED BY THE OWNER, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY DAMAGE AND/OR INJURY OCCURRING ON THE PROJECT DUE TO HIS OPERATIONS NEXT TO THE MAINS AND/OR THE METHOD OF REMOVAL OF THE ABANDONED MAINS. UNDER NO CIRCUMSTANCE SHALL THE UTILITY COMPANIES BE HELD LIABLE FOR ANY DAMAGE AND/OR INJURY ONCE THEIR MAINS HAVE BEEN RELOCATED AND THE EXISTING ABANDONED.

STORM SEWER

THE VERTICAL AND HORIZONTAL CLEARANCES BETWEEN WATER MAINS AND PROPOSED OR EXISTING STORM SEWERS SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 41-1.02A THROUGH 41-1.02D OF THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS".

FRAMES AND GRATES

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 MELROSE PARK AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF MELROSE PARK PUBLIC WORKS YARD LOCATED AT 1002 N. 27th AVENUE.

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES FLOWS THROUGH EXISTING STORM AND SANITARY SEWER SYSTEMS. HE SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF 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 RESPECTIVE SEWER PAY ITEMS. ALL ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS AS WELL AS MATERIAL EXISTING BEFORE CONSTRUCTION, SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.

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 FORCE. WHERE EXISTING STRUCTURES ARE TO BE REMOVED OR FILLED, OR THE EXISTING CASTING REPLACED, THE CASTINGS REMOVED FROM THE STRUCTURE ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF MELROSE PARK AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF MELROSE PARK PUBLIC WORKS YARD LOCATED AT 1002 N. 27th AVENUE.

SHEETING OR SHORING

IT SHOULD BE NOTED THAT ANY 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.

MAINTENANCE OF EXISTING DRAINAGE STRUCTURES

WHEN DURING THE CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF ANY GUTTERS OR DRAINAGE STRUCTURE SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE FACILITIES SHALL BE CLEAN AND FREE OF ALL OBSTRUCTIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE RESPECTIVE SEWER PAY ITEMS.

SAW CUTTING

THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AND CONCRETE 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.

PROPOSED STRUCTURES

THE CONTRACTOR SHALL NOT ORDER PROPOSED STRUCTURES UNTIL A JULIE REQUEST HAS BEEN EXECUTED AND THE ENGINEER HAS BEEN NOTIFIED BY THE CONTRACTOR OF ANY CONFLICTS.

ITEMS TO BE SALVAGED

WHERE SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER, EXISTING FRAMES, VALVE BOXES, FIRE HYDRANTS, AND OTHER CASTINGS ARE TO BE REMOVED BY THE CONTRACTOR TO COMPLETE THE WORK. THESE ITEMS ARE TO BE COLLECTED AND DELIVERED BY THE CONTRACTOR TO THE OWNER AT ITS PUBLIC WORKS FACILITY LOCATED AT 1002 N. 27TH AVENUE, FOR THEIR USE OR DISPOSAL. THIS ITEM WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS STORM SEWER STRUCTURES IN THE CONTRACT.

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 ANY CONSTRUCTION ACTIVITY THAT WILL ELIMINATE ACCESS TO THEIR PROPERTY. THE WRITTEN NOTICE SHALL BE APPROVED BY THE ENGINEER AND THE VILLAGE PRIOR TO THE BEGINNING OF CONSTRUCTION.

TRAFFIC PROTECTION

CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT WHEN WORK COMMENCES, THE CONTRACTOR SHALL ASSUME THE MAINTENANCE OF ANY PAVEMENT, SHOULDERS, DRAINAGE FACILITIES, TRAFFIC CONTROL SIGNS, PAVEMENT MARKINGS, AND OTHER APPURTENANCES ON ROADWAYS WITHIN THE LIMITS OF THE CONTRACT WHICH ARE TO BE USED BY THE PUBLIC DURING CONSTRUCTION AND TO RETAIN THIS MAINTENANCE RESPONSIBILITY UNTIL THE VILLAGE ASSUMES THE MAINTENANCE. NEED FOR SNOW AND ICE CONTROL DURING THE CONSTRUCTION PERIOD SHALL BE ACCOMMODATED FOR BY OTHERS. ALL UNBALLASTED TYPE I & TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ONE ACROSS EACH BOTTOM RAIL.

PLUGGING EXISTING SEWERS AND DRAINS

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 SEPARATELY, BUT SHALL BE INCLUDED IN THE PAY ITEMS FOR REMOVING AND/OR FILLING THE VARIOUS TYPES OF STRUCTURES.

STORM SEWER STRUCTURES

PRE-CAST REINFORCED CONCRETE SECTIONS FABRICATED IN ACCORDANCE WITH ASTM C-478 WILL BE USED ON ALL STRUCTURES AND RECONSTRUCTED STRUCTURES. FINAL ADJUSTMENT SHALL BE MADE USING PRE-CAST ADJUSTING RINGS. A MAXIMUM OF 6" OF ADJUSTING RINGS WILL BE PERMITTED. THE WORK DESCRIBED WITHIN THE SPECIAL PROVISION FOR FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) SHALL BE PERFORMED WHEN INSTALLING A NEW STORM SEWER STRUCTURE. THIS ITEM WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS PROPOSED STORM SEWER STRUCTURES IN THE CONTRACT.

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◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

5953 Roosevelt Road
Waukegan, Illinois 60154-2780
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DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	3
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 63654		
FED. AID PROJECT M-TE-00D1(825)		EHE PROJECT NO. 600-11-04602		

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SUMMARY OF QUANTITIES

CODE	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ITEP 0031 80% FEDERAL 20% LOCAL	RECONSTRUCT 0004 80% FEDERAL 20% LOCAL
20100110	TREE REMOVAL (6 TO 15 UNIT DIAMETER)	UNIT	24	24	
~	20200100	EARTH EXCAVATION	CUYD	200	200
~	* 21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQYD	525	525
~	* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQYD	950	950
~	* 21101805	COMPOST FURNISH AND PLACE, 2"	SQYD	510	510
	* 25200100	SODDING	SQYD	950	950
	* 25200200	SUPPLEMENTAL WATERING	UNIT	50	50
~	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQYD	1,400	1,400
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	155	155
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	50	50
~	42101300	PROTECTIVE COAT	SQYD	1,780	1,780
	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQYD	75	75
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQFT	7,000	7,000
~	42400800	DETECTABLE WARNINGS	SQFT	160	160
	44000100	PAVEMENT REMOVAL	SQYD	330	330
~	44000200	DRIVEWAY PAVEMENT REMOVAL	SQYD	175	175
~	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	650	650
~	44000600	SIDEWALK REMOVAL	SQFT	2,900	2,900
	55100400	STORM SEWER REMOVAL 10"	FOOT	5	5
~	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1
~	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3	3
~	60500050	REMOVING CATCH BASINS	EACH	1	1
~	60600605	CONCRETE CURB, TYPE B	FOOT	1,840	1,840
	60619121	CONCRETE MEDIAN, TYPE SB-6	SQ FT	545	545
	67100100	MOBILIZATION	L SUM	1	1
*	72000100	SIGN PANEL - TYPE 1	SQ FT	20	20
*	72900100	METAL POST - TYPE A	FOOT	65	65
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,315	2,315
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	705	705
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	185	185
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	100	100
~	* 80400100	ELECTRICAL SERVICE INSTALLATION	EACH	1	1
~	* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1
*	81028150	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1/2" DIA.	FOOT	1,540	1,540
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2"	FOOT	30	30
*	81700315	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO.10	FOOT	1,100	1,100
~	* A2000332	TREE, ACER MIYABEI MORTON (STATE STREET MIYABEI MAPLE), 4" CALIPER, BALLED AND BURLAPPED	EACH	20	20
~	* A2002886	TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND HACKBERRY), 4" CALIPER, BALLED AND BURLAPPED	EACH	9	9
~	* A2004428	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO), 3-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7

* DENOTES SPECIALTY ITEM
 ~ DENOTES THAT A SPECIAL PROVISION HAS BEEN PROVIDED

SUMMARY OF QUANTITIES

CODE	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ITEP 0031 80% FEDERAL 20% LOCAL	RECONSTRUCT 0004 80% FEDERAL 20% LOCAL
~	* A2004832	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 4" CALIPER, BALLED AND BURLAPPED	EACH	1	1
~	* A2005030	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 4" CALIPER, BALLED AND BURLAPPED	EACH	11	11
~	* A2006532	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 4" CALIPER, BALLED AND BURLAPPED	EACH	10	10
*	A2007932	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 4" CALIPER, BALLED AND BURLAPPED	EACH	19	19
~	* A2008626	TREE, ULMUS MORTON GLOSSY (TRIUMPH ELM), 4" CALIPER, BALLED AND BURLAPPED	EACH	16	16
~	* A2012005	TREE, AESCULUS X CARNEA FORT MCNAIR (FORT MCNAIR RED HORSECHESTNUT), 4" CALIPER, BALLED AND BURLAPPED, MATCHING HEADS	EACH	19	19
~	* B2000774	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	7	7
~	* B2002220	TREE, CRATAEGUS VIRDIS WINTER KING (WINTER KING GREEN HAWTHORN), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	7	7
~	* B2006332	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 4" CALIPER, BALLED AND BURLAPPED	EACH	30	30
~	* K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	43	43
~	* K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1	1
~	Z0027900	GEOTECHNICAL FABRIC (FILTER CLOTH)	SQYD	110	110
~	X2010300	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	UNIT	40	40
~	X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	550	550
~	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
~	X X 008105	SAFETY CHAIN	FOOT	120	120
~	* X8140105	HANDHOLE (SPECIAL)	EACH	1	1
~	XX000541	EXPLORATORY EXCAVATION	CUYD	100	100
~	XX000959	TRASH RECEPTACLES	EACH	2	2
~	LR430050	CONCRETE PAVER SIDEWALK	SQYD	115	115
~	XX005735	PLANTER CURB	FOOT	1,700	1,700
~	XX005878	CAST IRON TREE GRATES	EACH	7	7
~	* XX006834	ELECTRICAL CONNECTION TO EXISTING LIGHTING SYSTEM	EACH	2	2
~	XX007399	MONUMENT FOUNDATION, TYPE A	FOOT	38	38
~	XX007400	MONUMENT FOUNDATION, TYPE B	FOOT	5	5
~	XX007401	MONUMENT FOUNDATION, TYPE C	FOOT	2	2
~	* XX008160	DECORATIVE LIGHTING SYSTEM COMPLETE	L SUM	1	1
~	XX008203	CONCRETE RETAINING WALL	SQFT	550	550
~	XX008356	STRUCTURAL SOIL	CUYD	250	250
~	Z0003855	BICYCLE RACKS	EACH	2	2
~	Z0004002	BOLLARDS	EACH	28	28
~	Z0004542	HOT-MIX ASPHALT REMOVAL (SPECIAL)	SQYD	1,600	1,600
~	* Z0073900	TENSION WIRE, SPECIAL	FOOT	2,400	2,400
~	Z0076600	TRAINEES	HOUR	500	500
~	* XX008605	STEEL SUPPORT POLE FOR OVERHEAD LIGHT STRANDS, 19 FOOT	EACH	38	38
~	* XX008606	VERTICAL ELEMENT, 22 FOOT 6 INCH	EACH	5	5
~	* XX008607	VERTICAL ELEMENT, 35 FOOT	EACH	2	2

* DENOTES SPECIALTY ITEM
 ~ DENOTES THAT A SPECIAL PROVISION HAS BEEN PROVIDED
 ⊛ CONSTRUCTION CODE = 0042

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 9933 Roosevelt Road
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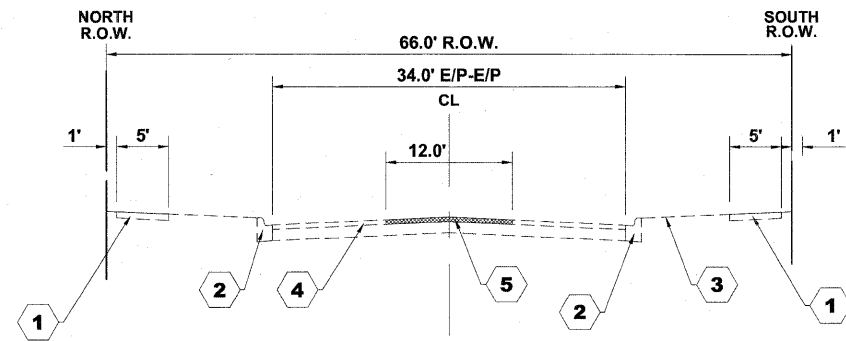
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DATE - 11-02-11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

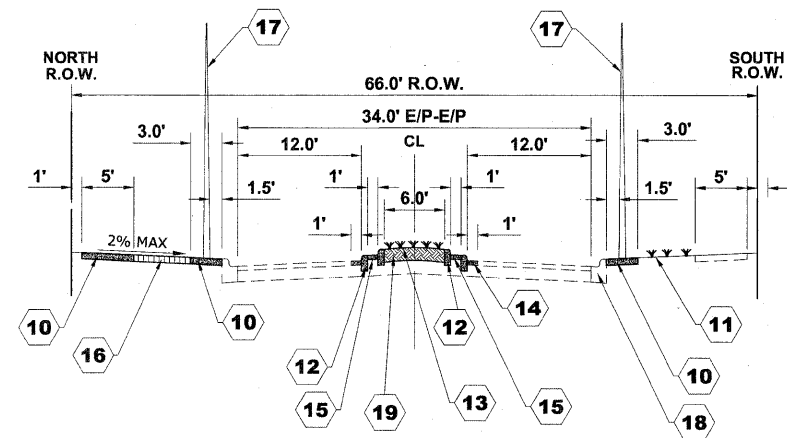
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F.A.U. R.I.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-90-SW	COOK	40	4
CONTRACT NO. 63654			FED. AID PROJECT M-TE-00D(825)	
EHE PROJECT NO. 600-11-04602				



**EXISTING TYPICAL CROSS SECTION
DIVISION STREET**

STATION 1+00 TO STATION 3+70
 STATION 19+07 TO STATION 20+21
 STATION 21+22 TO STATION 22+36
 STATION 32+19 TO STATION 33+31
 STATION 34+42 TO STATION 35+54
 STATION 52+30 TO STATION 53+60



**PROPOSED TYPICAL CROSS SECTION
DIVISION STREET**

STATION 1+00 TO STATION 3+70
 STATION 19+07 TO STATION 20+21
 STATION 21+22 TO STATION 22+36
 STATION 32+19 TO STATION 33+31
 STATION 34+42 TO STATION 35+54
 STATION 52+30 TO STATION 53+60

TYPICAL CROSS SECTION LEGEND

EXISTING CONDITIONS

- 1 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 2 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 3 GRASS PARKWAY
- 4 HOT MIX ASPHALT BINDER AND SURFACE COURSE
- 5 HOT-MIX ASPHALT PAVEMENT REMOVAL

PROPOSED CONDITIONS

- 10 PORTLAND CEMENT CONCRETE SIDEWALK, 5" (INTERMITTENT)
- 11 TOPSOIL FURNISH AND PLACE, 6" SODDING, (INTERMITTENT REPLACEMENT)
- 12 CONCRETE CURB, TYPE B
- 13 PLANTED MEDIAN
- 14 INCIDENTAL HOT-MIX ASPHALT SURFACING
- 15 PLANTER CURB
- 16 BRICK PAVER SIDEWALK (INTERMITTENT)
- 17 SUPPORT POLE FOR OVERHEAD LIGHT STRANDS
- 18 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) (INTERMITTENT)
- 19 TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
INCIDENTAL HOT-MIX ASPHALT SURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm)	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 76-22" 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 SPECIAL PROVISIONS.

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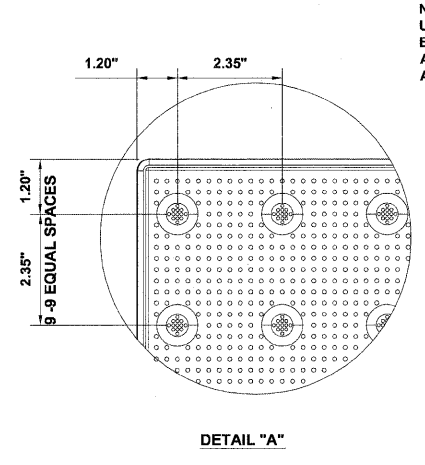
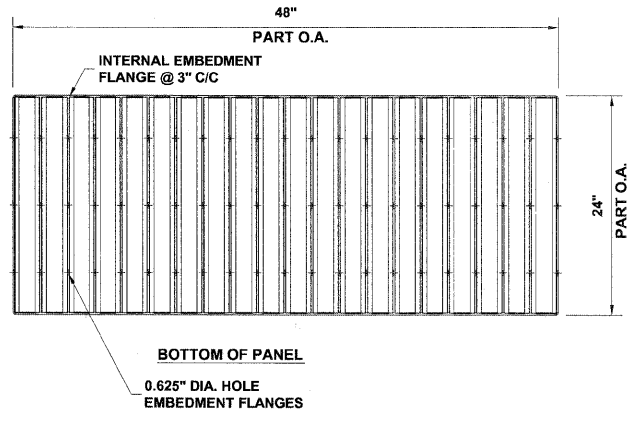
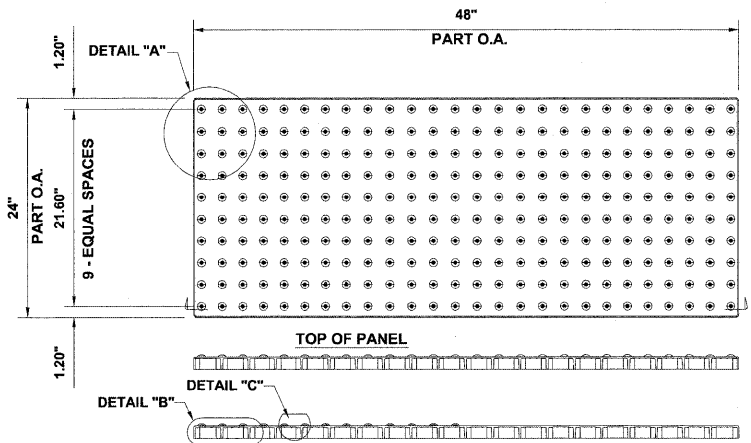
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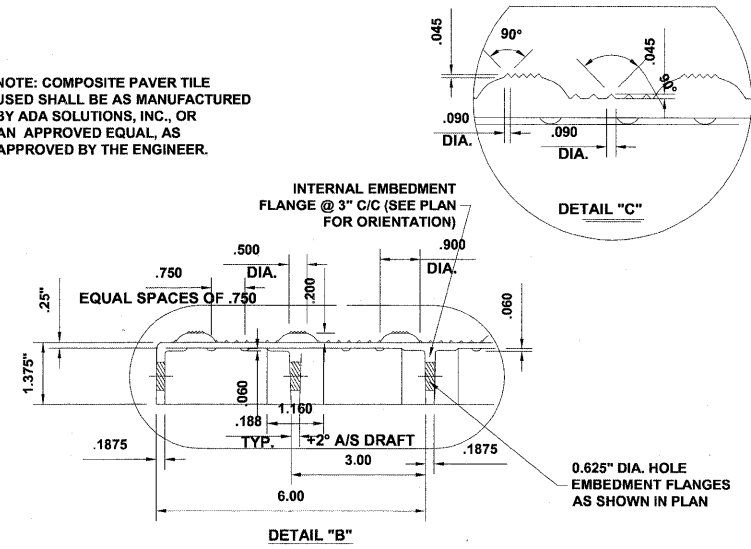
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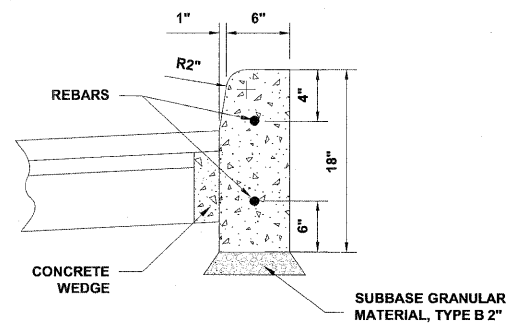
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FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63854	
FED. AID PROJECT M-TE-60D1(025)			EHE PROJECT NO. 600-11-04602	



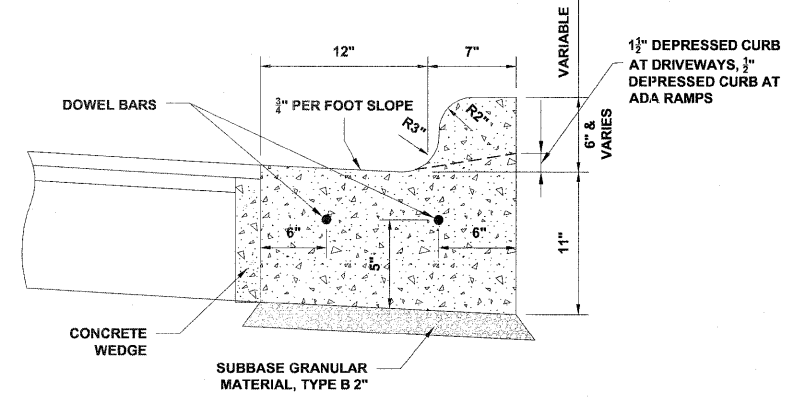
NOTE: COMPOSITE PAVER TILE USED SHALL BE AS MANUFACTURED BY ADA SOLUTIONS, INC., OR AN APPROVED EQUAL, AS APPROVED BY THE ENGINEER.



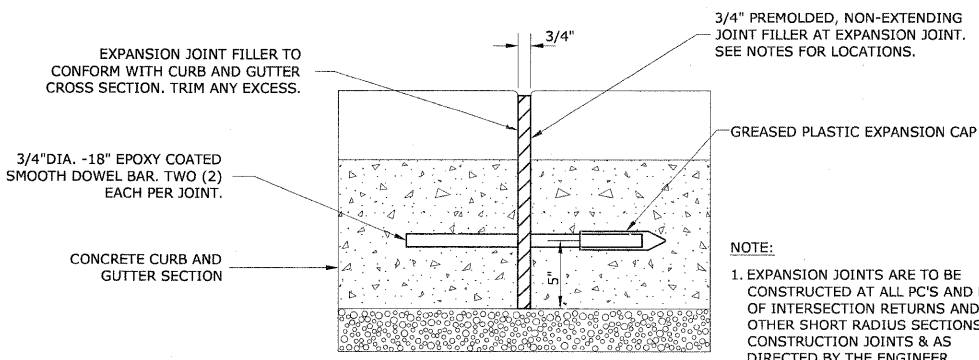
CAST-IN-PLACE COMPOSITE PAVER TILE FOR DETECTABLE WARNING



CONCRETE CURB, TYPE B



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



TYPICAL CURB AND GUTTER EXPANSION JOINT

CONCRETE GENERAL NOTES

DEPRESSED CURBS - THE TOP OF CURBS SHALL BE DEPRESSED WHERE THE CURB AND GUTTER IS CONSTRUCTED AT HANDICAP ACCESSIBLE SIDEWALK RAMPS AT ALLEY RETURNS AND STREET INTERSECTIONS, AND FOR PRIVATE DRIVES AND AS DIRECTED BY THE ENGINEER. THE HEIGHT OF THE DEPRESSED CURB SHALL BE 1-1/2" AT DRIVEWAYS. SEE IDOT STANDARD 424001-06 FOR HEIGHT AT SIDEWALK RAMP.

DRAINAGE OPENINGS - AT ALL LOCATIONS WHERE CASTINGS ARE TO BE INCORPORATED IN THE CURB AND GUTTER, A 3/4" EXPANSION JOINT SHALL BE INSTALLED IN THE CURB AND GUTTER A DISTANCE OF 5 FT. FROM EACH SIDE OF THE CASTING. 2-NO. 4 RE-BARS, 9' IN LENGTH, SHALL BE INCORPORATED IN THE CONTINUOUS PORTION OF CONCRETE CURB BEHIND THE CASTING.

SLIPFORM CONSTRUCTION - VERTICAL FACES MAY BE BATTERED AT THE RATE OF 3/4" PER FOOT OF HEIGHT TO AID IN SLIPFORM OPERATIONS.

CURB AND GUTTER REMOVAL

THE COSTS FOR REMOVAL OF ANY ASPHALT OVERLAY THAT EXTENDS INTO THE GUTTER PORTION OF THE CURB AND GUTTER WILL BE INCLUDED IN THE PRICE FOR COMBINATION CURB AND GUTTER REMOVAL.

FORMS FOR CONCRETE SIDEWALKS, DRIVEWAYS, 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 SIDEWALKS AND DRIVEWAYS TO BE INSTALLED SEVEN INCHES (7") IN THICKNESS. ALL FORMS MUST BE OF A MINIMUM HEIGHT OF THE PROPOSED THICKNESS OF THE RESPECTIVE CONCRETE ITEMS TO BE INSTALLED.

AGGREGATE BEDDING FOR CONCRETE WORK

NEW SIDEWALK AND DRIVEWAY PAVEMENT SHALL BE REPLACED ON A MINIMUM OF TWO INCHES (2") OF COMPACTED CA-6 STONE BEDDING. ADDITIONAL AGGREGATE REQUIRED TO ADJUST THE EXISTING ELEVATION OF THE SUBGRADE TO THE PROPOSED ELEVATION WILL BE INCLUDED AS PART OF THIS WORK.

BASIS OF PAYMENT : THIS ITEM WILL NO BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE FOR THE RESPECTIVE CONCRETE ITEMS IN THE CONTRACT.

CURING AND 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 A 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 DURING PERIODS OF COLD WEATHER SHALL BE PROTECTED IN ACCORDANCE WITH ARTICLE 720.13 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE RESPECTIVE CONCRETE PAY ITEMS.

THE WORK SHALL BE UNDER THE CHARGE AND CARE OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE VILLAGE. 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.

BASIS OF PAYMENT : THIS ITEM WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.

PROTECTION OF NEWLY POURED CONCRETE

THE CONTRACTOR SHALL HAVE WATCHMEN 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.

BITUMINOUS EXPANSION JOINTS

THREE-QUARTER INCH (3/4") BITUMINOUS PREMOLDED 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 FOOT (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.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE INDIVIDUAL CONCRETE ITEMS.

CONTRACTION JOINTS

CONTRACTION JOINTS SHALL BE TOOLED INTO THE CURB AND GUTTER AT INTERVALS NOT TO EXCEED FIFTEEN FEET (15'). THESE CONTRACTION JOINTS SHALL BE SAW CUT TO A DEPTH OF TWO INCHES (2") WITHIN TWENTY-FOUR (24) HOURS OF CONCRETE PLACEMENT. THE COST OF THE ABOVE WORK SHALL BE INCLUDED IN THE RESPECTIVE ITEMS FOR CONCRETE INSTALLATION.

CONTINUOUS REINFORCEMENT

PROVIDE 2 - 1/2" DIAMETER (NO. 4) REBARS THROUGH ENTIRE CURB LENGTH, LAP SPLICED FOR ALL BARRIER CURB.

CONCRETE WEDGE

A LEAN CONCRETE WEDGE IS TO BE POURED IN THE SPACE BETWEEN THE NEW CURB & THE EXISTING PAVEMENT AFTER THE CURB HAS REACHED ITS INITIAL SET.

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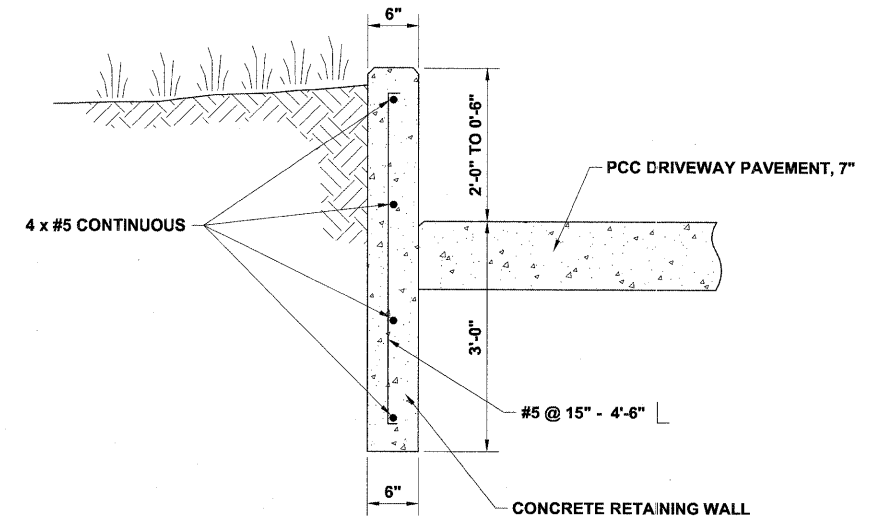
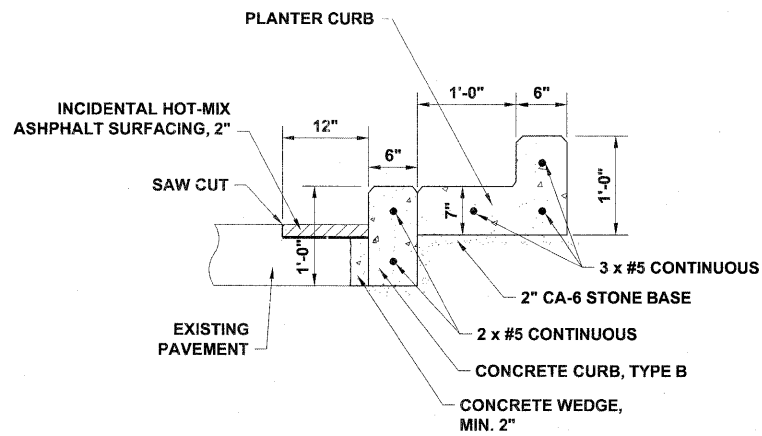
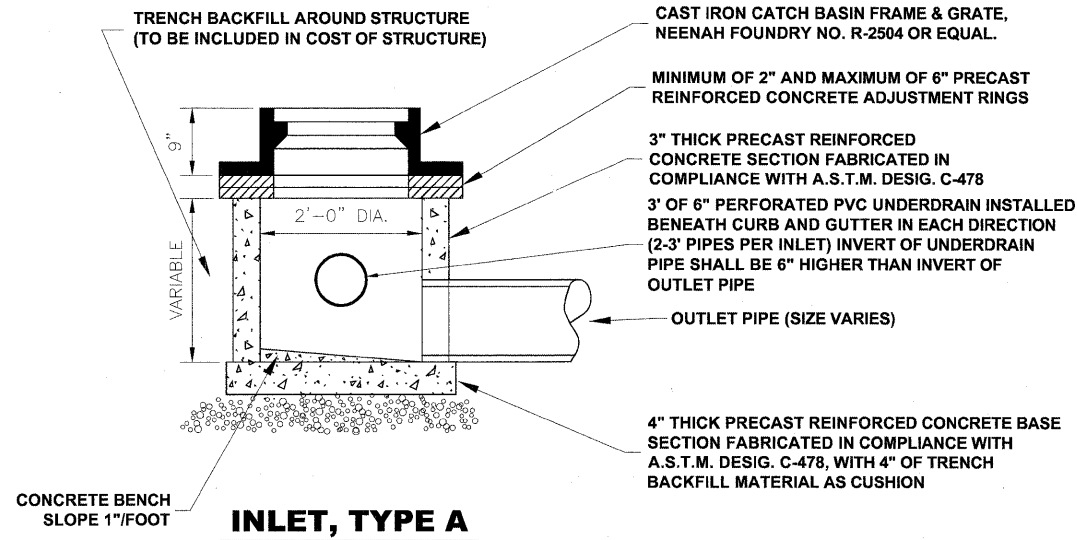
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DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS

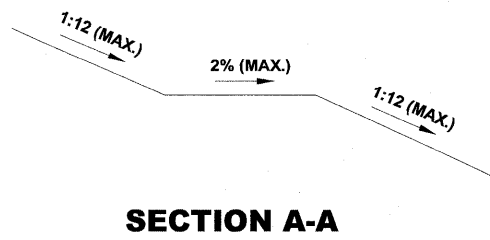
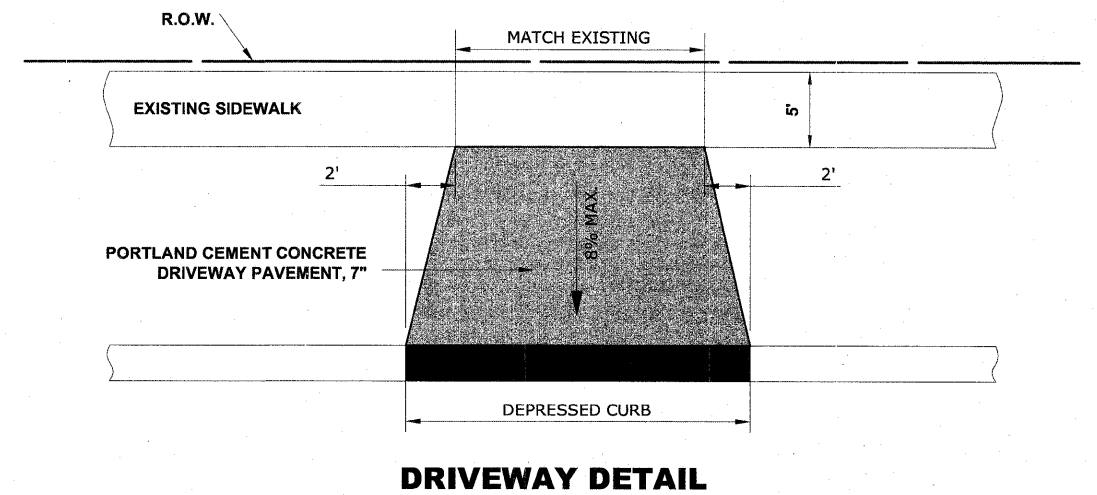
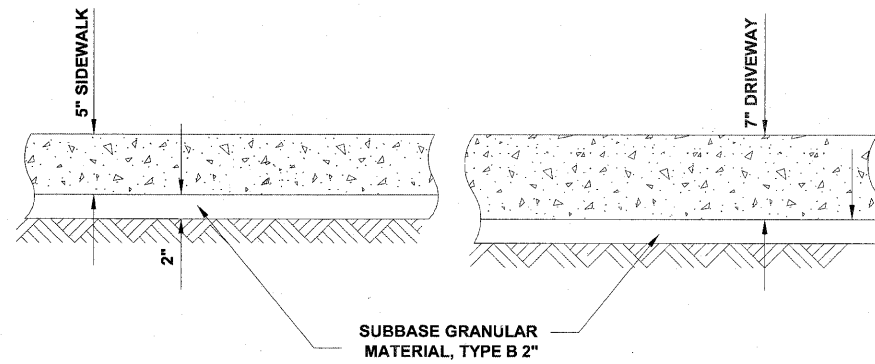
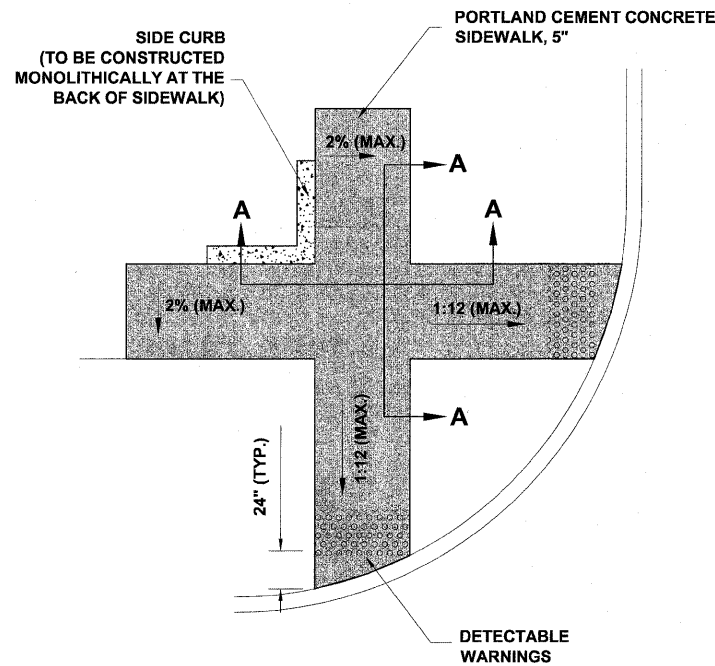
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FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-00D1(825)			EHE PROJECT NO. 600-11-04602	



DETAIL A
(SEE LANDSCAPE ARCH. PLANS FOR LOCATIONS)

DETAIL B
(SEE LANDSCAPE ARCH. PLANS FOR LOCATIONS)



TYPICAL P.C.C. SIDEWALK & DRIVEWAY DETAIL

DRIVEWAY DETAIL

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Phone: 708/965-0380
Fax: 708/965-1212

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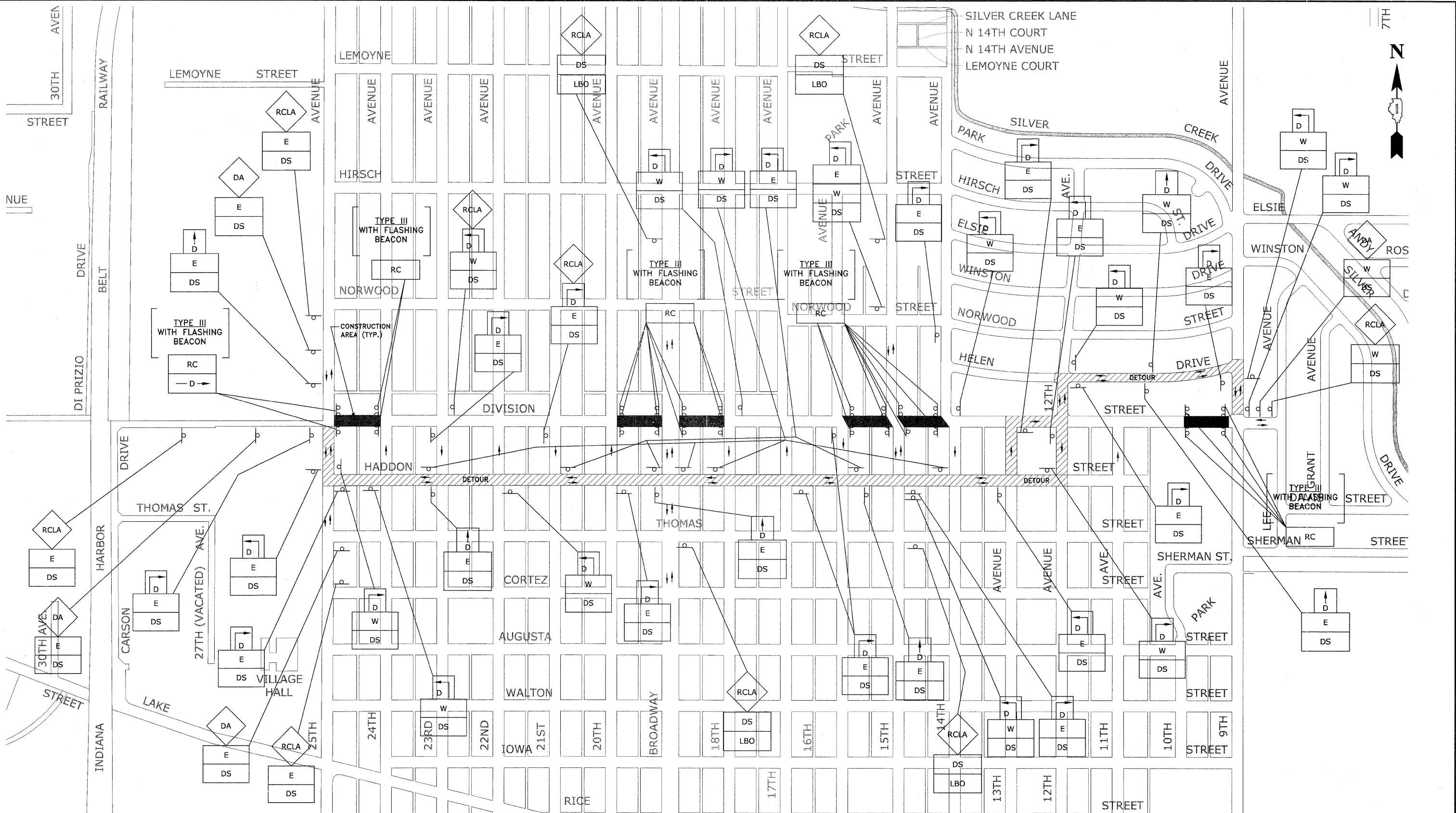
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS

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1026	10-00116-03-SW	COOK	40	7
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	

EHE PROJECT NO. 600-11-04602



- NOTES:**
1. ALL LOCAL DETOURS SHALL BE APPROVED BY THE VILLAGE AT LEAST 48 HOURS PRIOR TO INSTALLATION.
 2. CHANGEABLE MESSAGE SIGNS ARE TO BE ONSITE AND FUNCTIONING FOR 2 WEEKS PRIOR TO PART OF DIVISION STREET BEING CLOSED.

Drawing file: W:\Projects\60011046 - Division Street Detour-DivisionStreet.dwg Nov 10, 2011 - 10:10am



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CHECKED -	ELS	REVISED -	
DATE -	11-02-11	REVISED -	

STATE OF ILLINOIS
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MAINTENANCE OF TRAFFIC PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-03-SW	COOK	40	8
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63854	
			FED. AID PROJECT M-TE-6001(825)	

EHE PROJECT NO. 600-11-04602

Drawing file: W:\Projects\60011046 - Division Street IEP\Detour-DivisionStreet.dwg Nov 10, 2011 - 10:09am

LEGEND OF SYMBOLS		
SYMBOL	DESCRIPTION	CODE & SIZE
		W20-3 48"x48"
		W20-2 48"x48"
		R11-4 60"x30"
		M3-1 24"x12"
		M3-1 24"x12"
		M4-8 36"x12"
		M4-8 36"x24"
		M4-9 30"x24"
		M4-9 30"x24"
		M4-9 30"x24"
		M4-9R 24"x30"
		M4-9L 24"x30"

LEGEND OF SYMBOLS		
SYMBOL	DESCRIPTION	CODE & SIZE
		M4-10 48"x18"
		M4-10 48"x18"

NOTE:
CONTRACTOR TO NOTIFY IDOT HEAD OF TRAFFIC MAINTENANCE (842)705-4470, SEVENTY-TWO HOURS IN ADVANCE OF SETTING UP DETOUR ROUTE.

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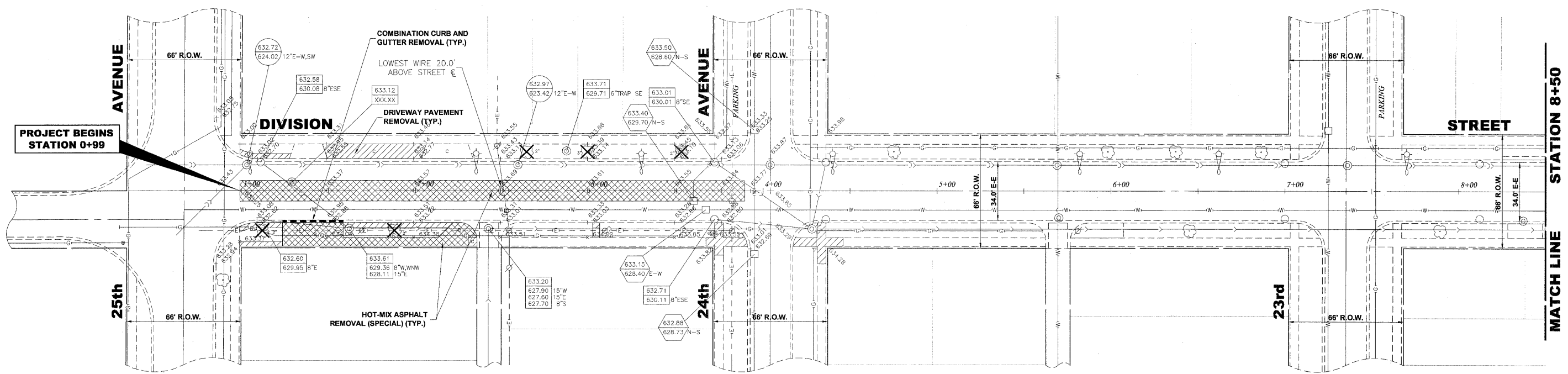
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DETOUR SIGNING LEGEND

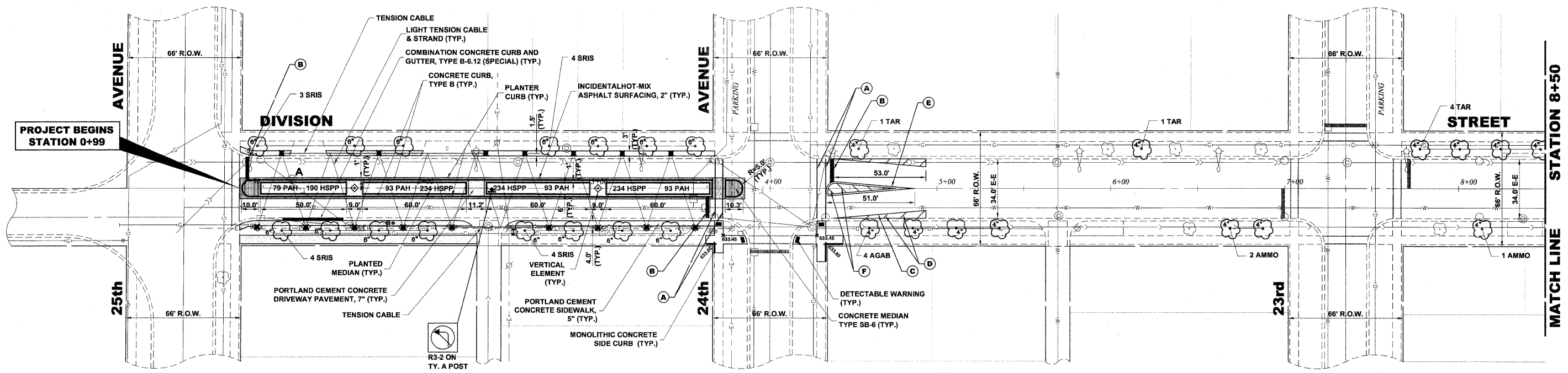
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FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-00D1(825)			EHE PROJECT NO. 600-11-04602	



EXISTING TOPOGRAPHY

PAVEMENT MARKINGS LEGEND	
ITEM DESCRIPTION	SYMBOL
THERMOPLASTIC PAVEMENT MARKING - LINE 6", CROSS WALK, WHITE	A
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	B
THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGE, WHITE	C
THERMOPLASTIC PAVEMENT MARKING - LINE 12", DIAGONAL @ 20' C-C OR 5 MINIMUM, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE @ 11" C-C, YELLOW	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", DIAGONAL @ 20' C-C OR 5 MINIMUM, YELLOW	F



PROPOSED IMPROVEMENT

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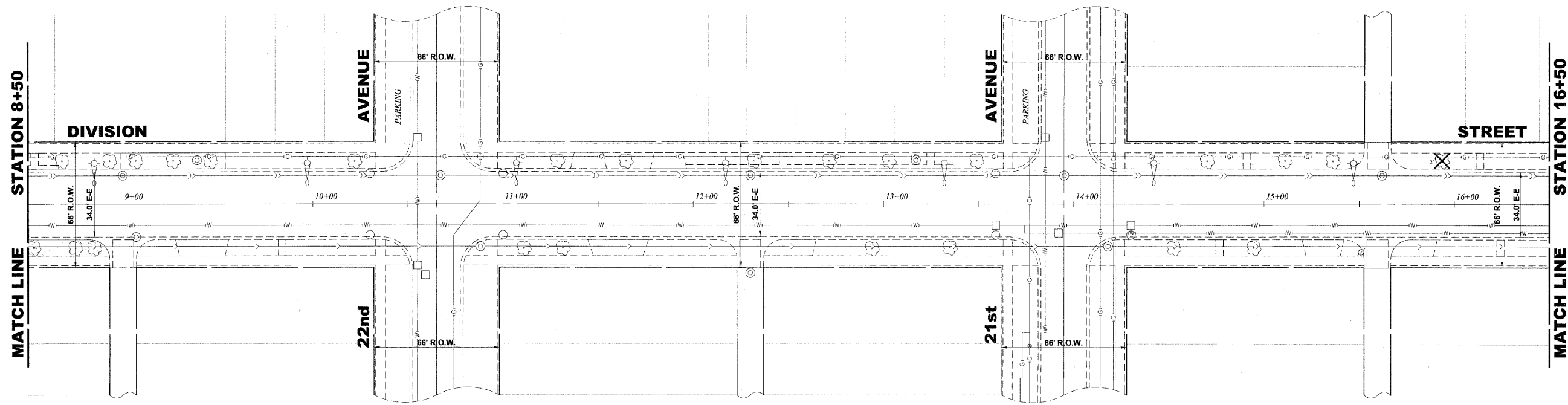
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DATE - 11-02-11	REVISED -

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 DEPARTMENT OF TRANSPORTATION

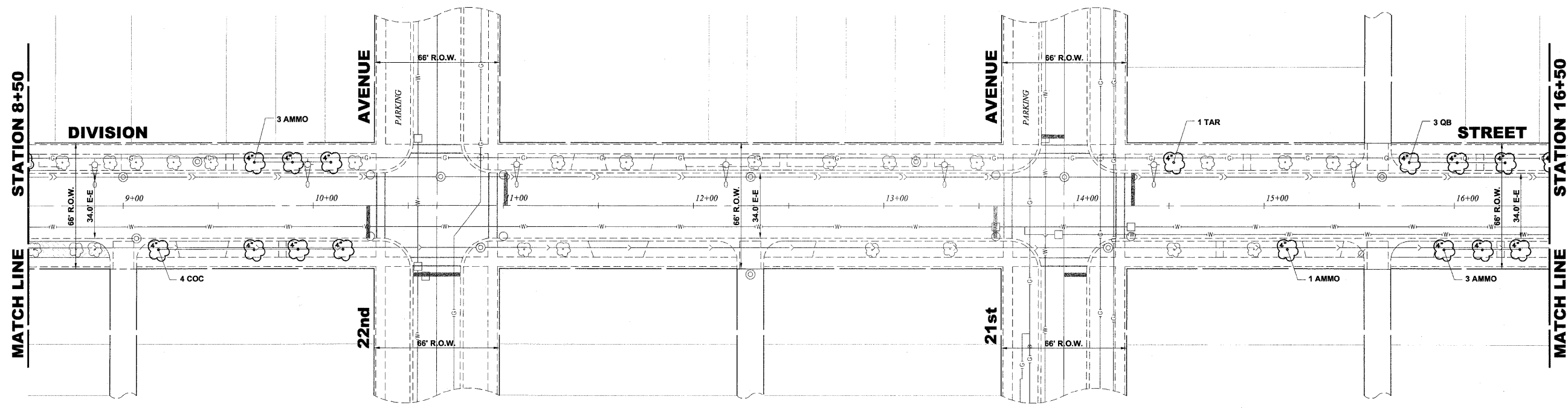
DIVISION STREET
 (25TH AVENUE & 24TH AVENUE)

SCALE: 1" = 30'
 SHEET NO. 1 OF 8 SHEETS
 STA. 0+00 TO STA. 8+50

F.A.U. RTE. 1026	SECTION 10-00116-00-SW	COUNTY COOK	TOTAL SHEETS 40	SHEET NO. 10
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 63654		
FED. AID PROJECT M-TE-00D1(825)		EHE PROJECT NO. 600-11-04602		



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT

Drawing file: W:\Projects\60011046 - Division Street IEP\DivisionStreet.dwg Nov 10, 2011 - 10:21am



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 Fax: 708-965-1313

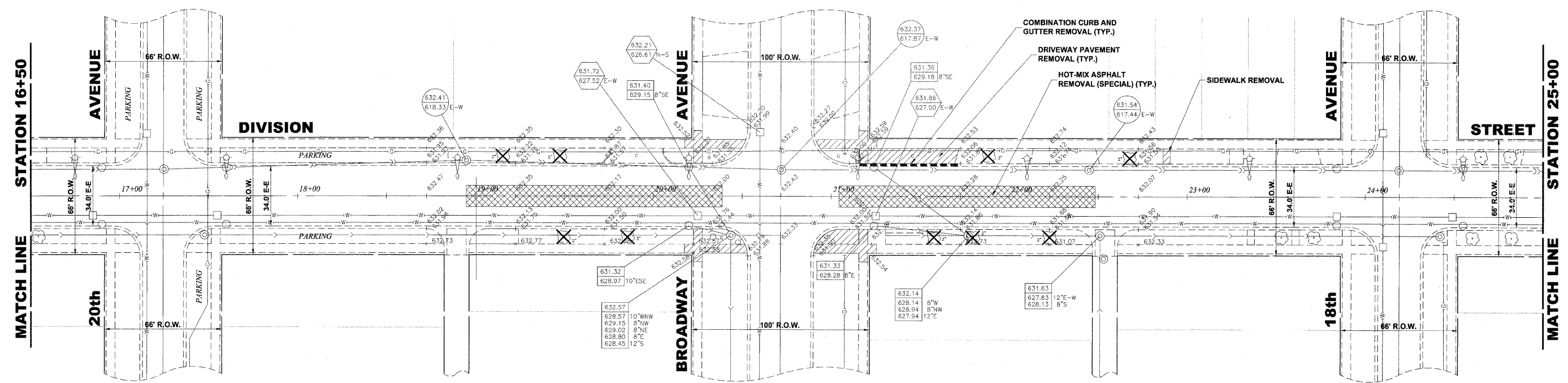
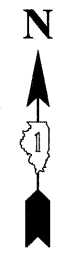
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DIVISION STREET

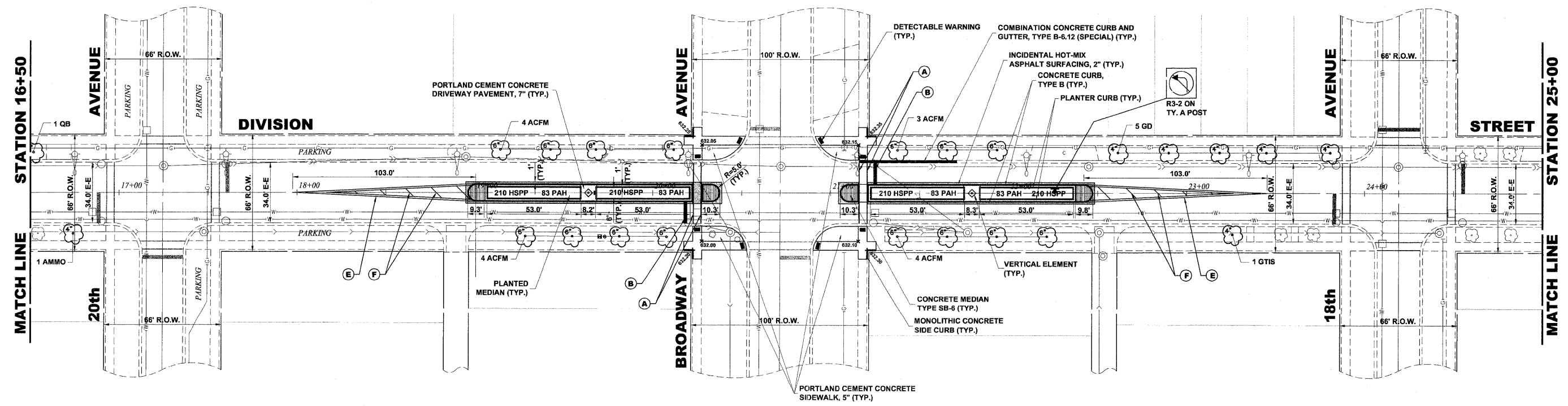
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-00D1(825)			EHE PROJECT NO. 600-11-04602	



PAVEMENT MARKINGS LEGEND	
ITEM DESCRIPTION	SYMBOL
THERMOPLASTIC PAVEMENT MARKING - LINE 6", CROSS WALK, WHITE	A
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	B
THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGE, WHITE	C
THERMOPLASTIC PAVEMENT MARKING - LINE 12", DIAGONAL @ 20' C-C OR 5 MINIMUM, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE @ 11" C-C, YELLOW	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", DIAGONAL @ 20' C-C OR 5 MINIMUM, YELLOW	F

EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Roosevelt Road
 Westchester, Illinois 60154-2780
 Phone: 708-965-0500
 Fax: 708-965-1313

DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

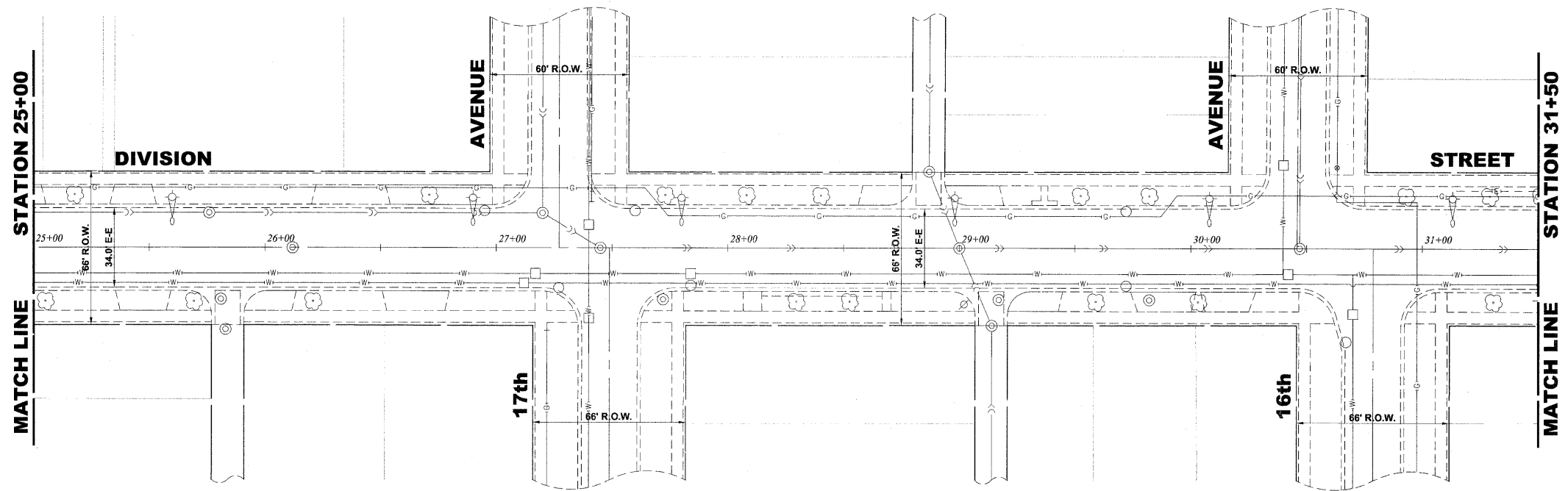
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIVISION STREET
(BROADWAY AVENUE)

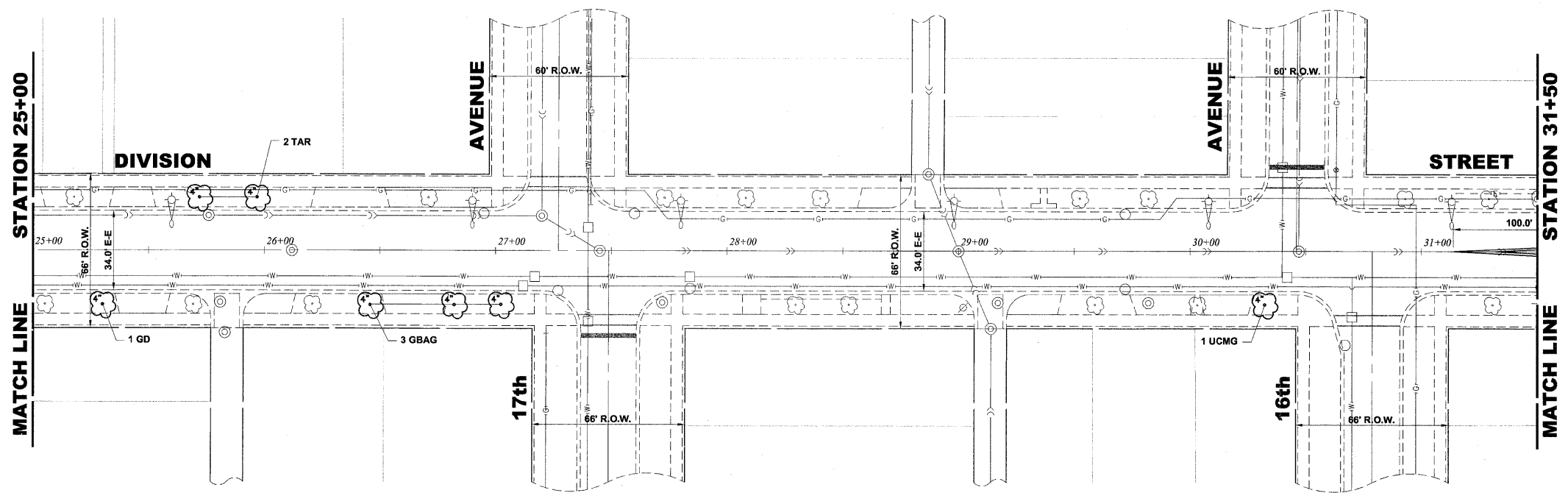
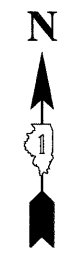
SCALE: 1" = 30'
 SHEET NO. 3 OF 8 SHEETS
 STA. 16+50 TO STA. 25+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	12
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
EHE PROJECT NO. 600-11-04602				

Drawing file: W:\Projects\60011046 - Division Street IEP\DivisionStreet.dwg Nov 10, 2011 - 10:21am



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



Drawing file: W:\Projects\60011046 - Division Street IEP\DivisionStreet.dwg Nov 10, 2011 10:21am



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◆ Municipal Consultants
◆ Established 1911

9933 Roosevelt Road
Waukegan, Illinois 60154-2780
Phone: 708/965-0590
Fax: 708/965-1313

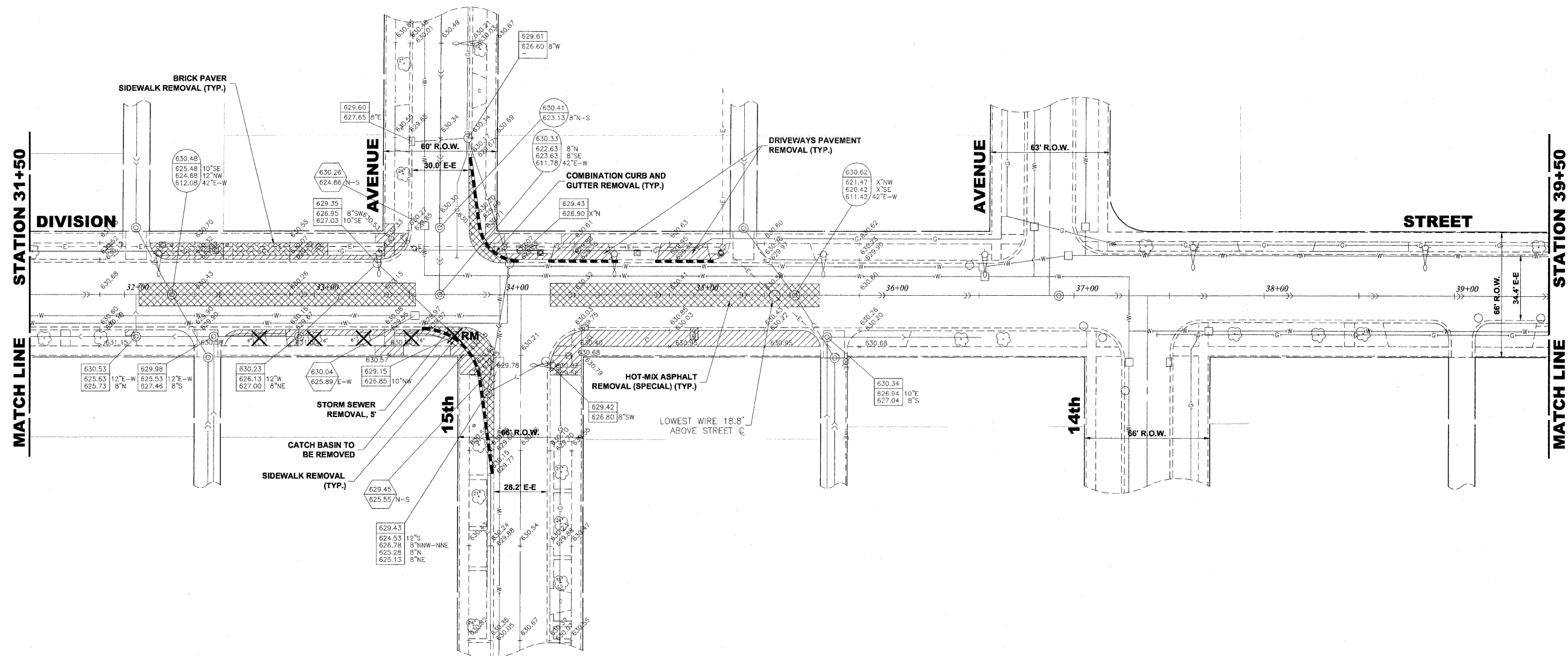
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DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DIVISION STREET

SCALE: 1" = 30' SHEET NO. 4 OF 8 SHEETS STA. 25+00 TO STA. 31+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	13
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-001(825)			EHE PROJECT NO. 600-11-04602	



EXISTING TOPOGRAPHY

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◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

9533 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/965-0300
Fax: 708/965-1313

DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

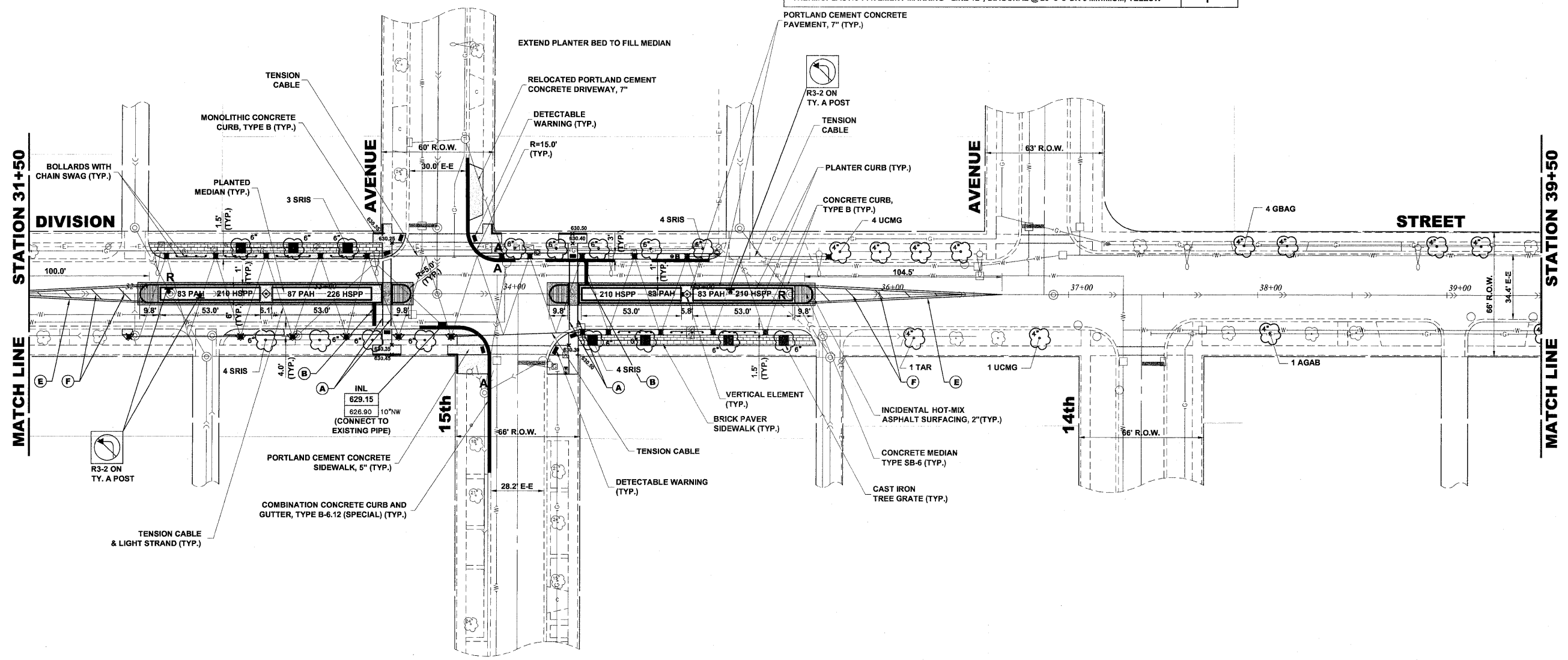
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DIVISION STREET
(15TH AVENUE)**

SCALE: 1" = 30' SHEET NO. 5 OF 8 SHEETS STA. 31+50 TO STA. 39+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	14
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-001(825)			EHE PROJECT NO. 600-11-04602	

PAVEMENT MARKINGS LEGEND	
ITEM DESCRIPTION	SYMBOL
THERMOPLASTIC PAVEMENT MARKING - LINE 6", CROSS WALK, WHITE	A
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	B
THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGE, WHITE	C
THERMOPLASTIC PAVEMENT MARKING - LINE 12", DIAGONAL @ 20' C-C OR 5 MINIMUM, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE @ 11" C-C, YELLOW	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", DIAGONAL @ 20' C-C OR 5 MINIMUM, YELLOW	F



PROPOSED IMPROVEMENT

Drawing file: W:\Projects\60011046 - Division Street IEP\DivisionStreet.dwg Nov 10, 2011 - 10:21am

HANCOCK ENGINEERING

- Civil Engineers
- Municipal Consultants
- Established 1911

9933 Roseville Road
Woodstock, Illinois 61494-2700
Phone: 708/965-0200
Fax: 708/965-1212

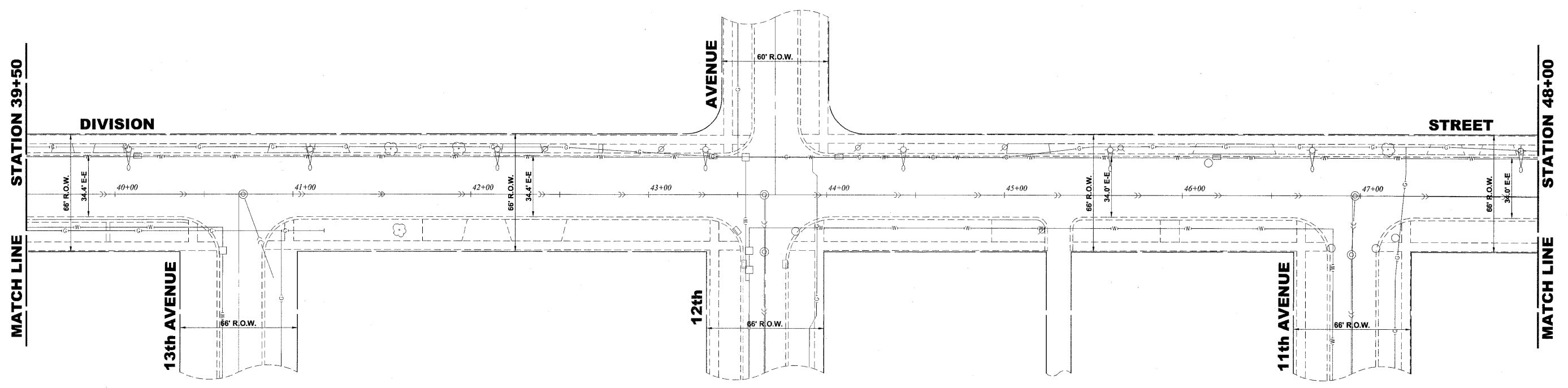
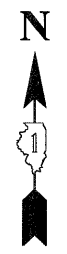
DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

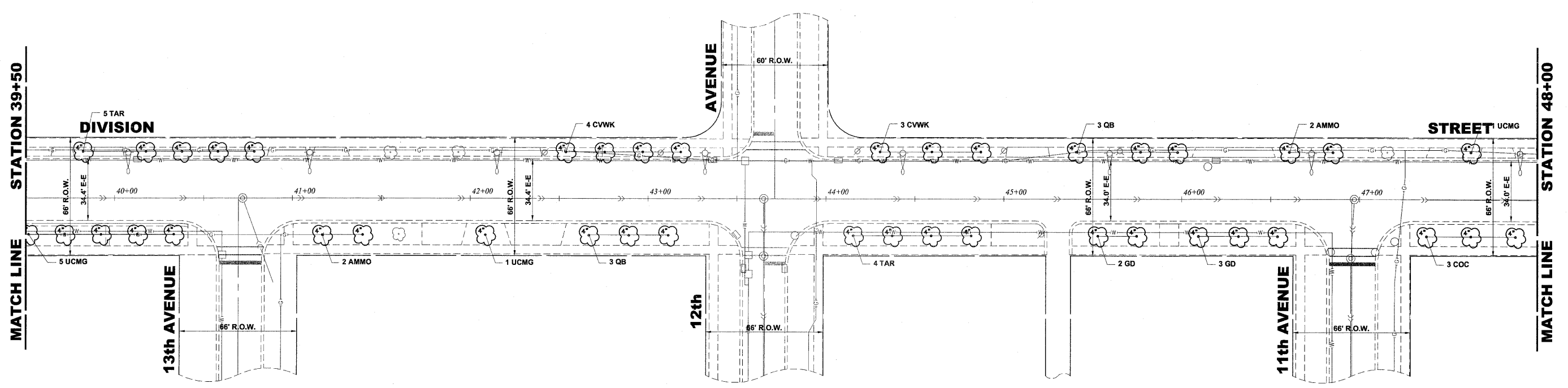
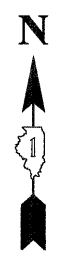
**DIVISION STREET
(15TH AVENUE)**

SCALE: 1" = 30' SHEET NO. 6 OF 8 SHEETS STA. 31+50 TO STA. 39+50

F.A.U. RTE. 1026	SECTION 10-00116-00-SW	COUNTY COOK	TOTAL SHEETS 40	SHEET NO. 15
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 63654		
FED. AID PROJECT M-TE-00D1(825)				
EHE PROJECT NO. 600-11-04602				



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT

Drawing file: W:\Projects\0011046 - Division Street IEP\DivisionStreet.dwg Nov 10, 2011 - 10:21am



◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

9533 Roosevelt Road
Westchester, Illinois 08154-2700
Phone: 708/965-6399
Fax: 708/965-1315

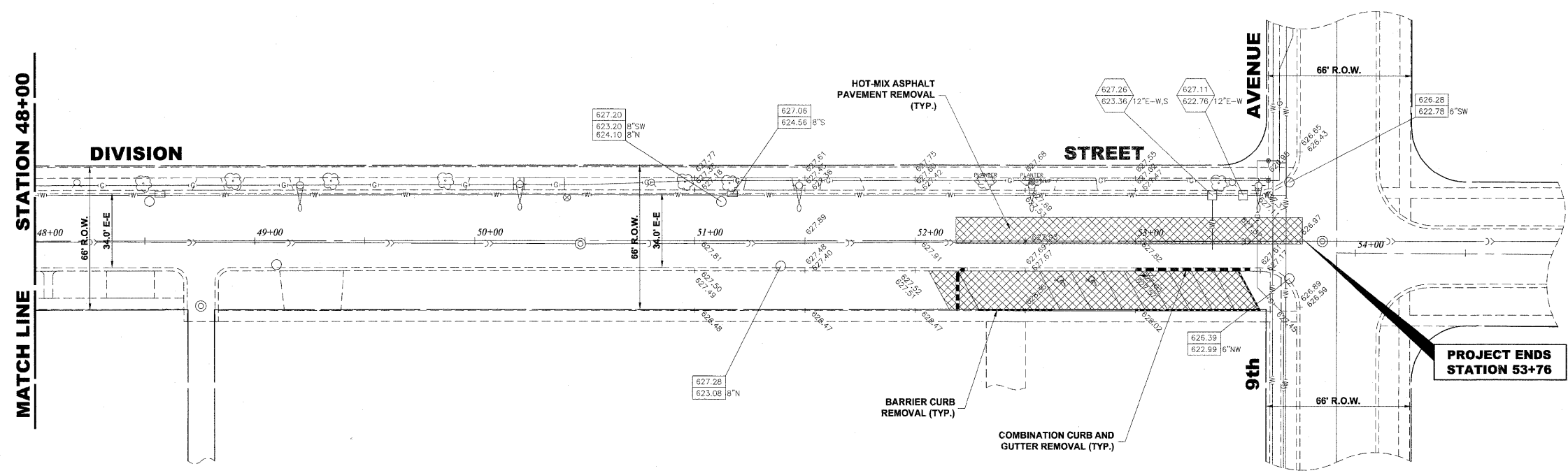
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DRAWN -	MK, DMM	REVISED -	
CHECKED -	ELS	REVISED -	
DATE -	11-02-11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIVISION STREET

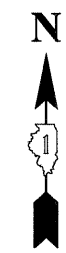
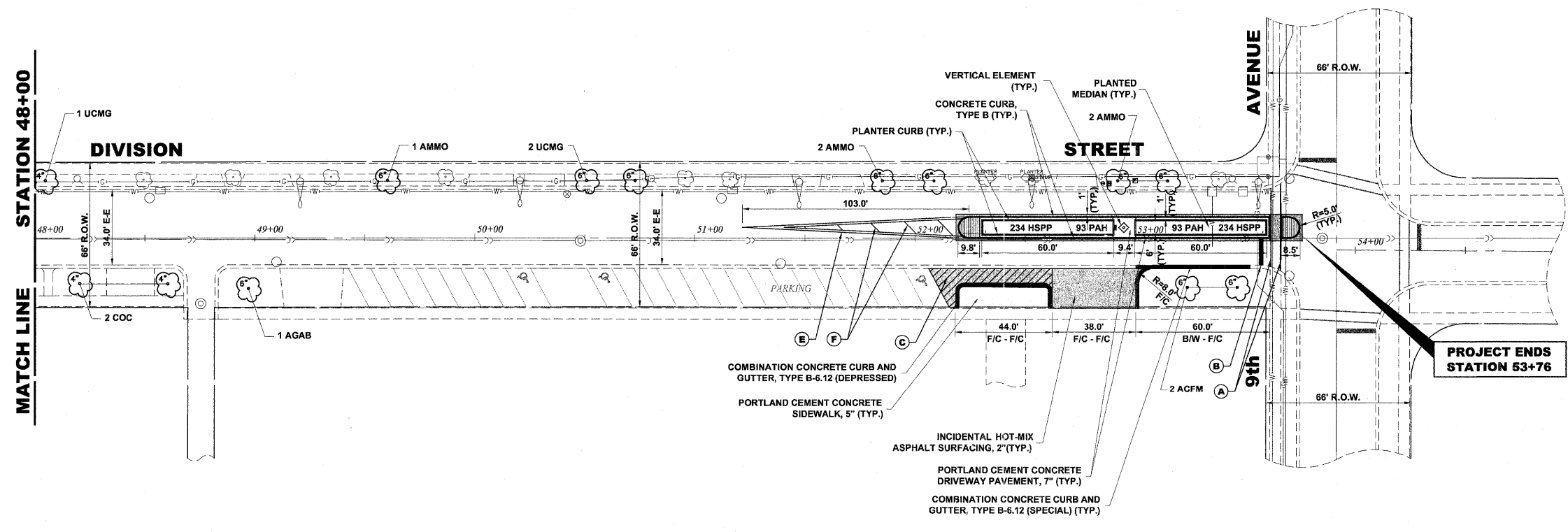
SCALE: 1" = 30' SHEET NO. 7 OF 8 SHEETS STA. 39+50 TO STA. 48+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	16
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63854	
FED. AID PROJECT M-TE-001(825)			EHE PROJECT NO. 600-11-04602	



PAVEMENT MARKINGS LEGEND	
ITEM DESCRIPTION	SYMBOL
THERMOPLASTIC PAVEMENT MARKING - LINE 6", CROSS WALK, WHITE	A
THERMOPLASTIC PAVEMENT MARKING - LINE 24", STOP BAR, WHITE	B
THERMOPLASTIC PAVEMENT MARKING - LINE 4", EDGE, WHITE	C
THERMOPLASTIC PAVEMENT MARKING - LINE 12", DIAGONAL @ 20' C-C OR 5 MINIMUM, WHITE	D
THERMOPLASTIC PAVEMENT MARKING - LINE 4", DOUBLE @ 11" C-C, YELLOW	E
THERMOPLASTIC PAVEMENT MARKING - LINE 12", DIAGONAL @ 20' C-C OR 5 MINIMUM, YELLOW	F

EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT

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♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Roosevelt Road
 Westchester, Illinois 60154-2780
 Phone: 708-965-6290
 Fax: 708-965-1312

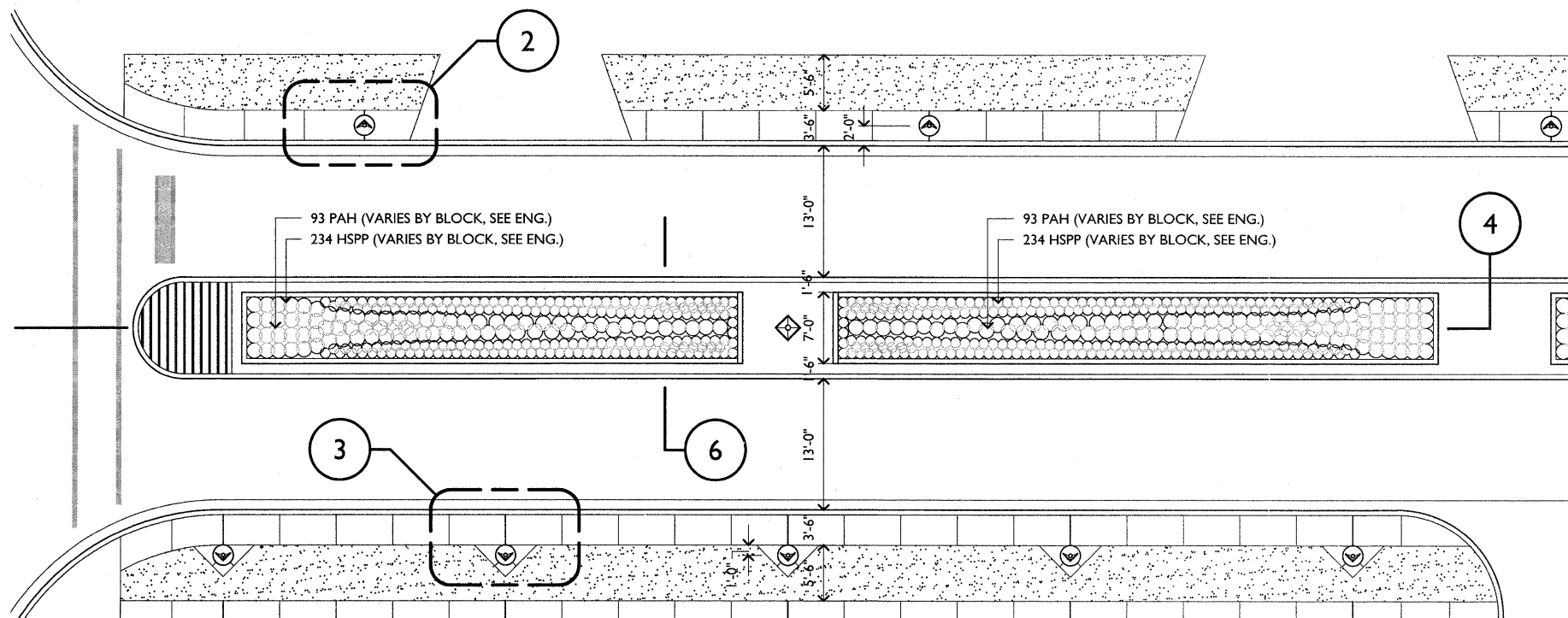
DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
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DATE - 11-02-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

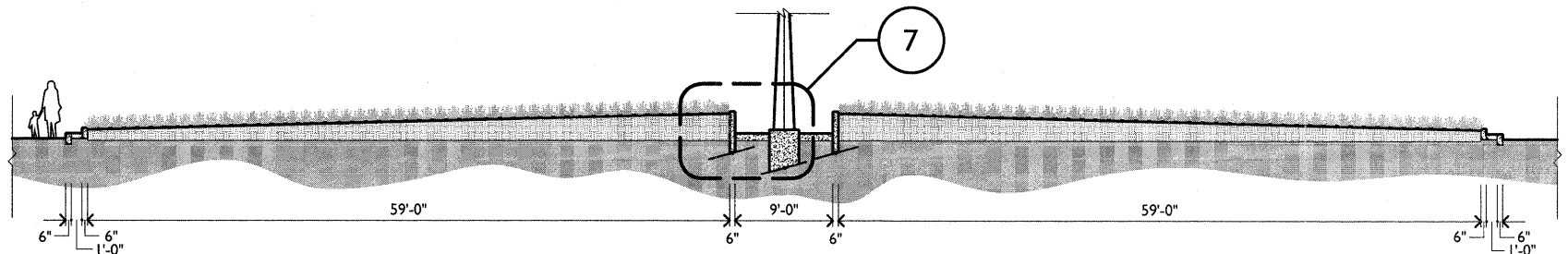
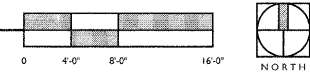
DIVISION STREET
(9TH AVENUE)

SCALE: 1" = 30' SHEET NO. 8 OF 8 SHEETS STA. 48+00 TO STA. 54+90

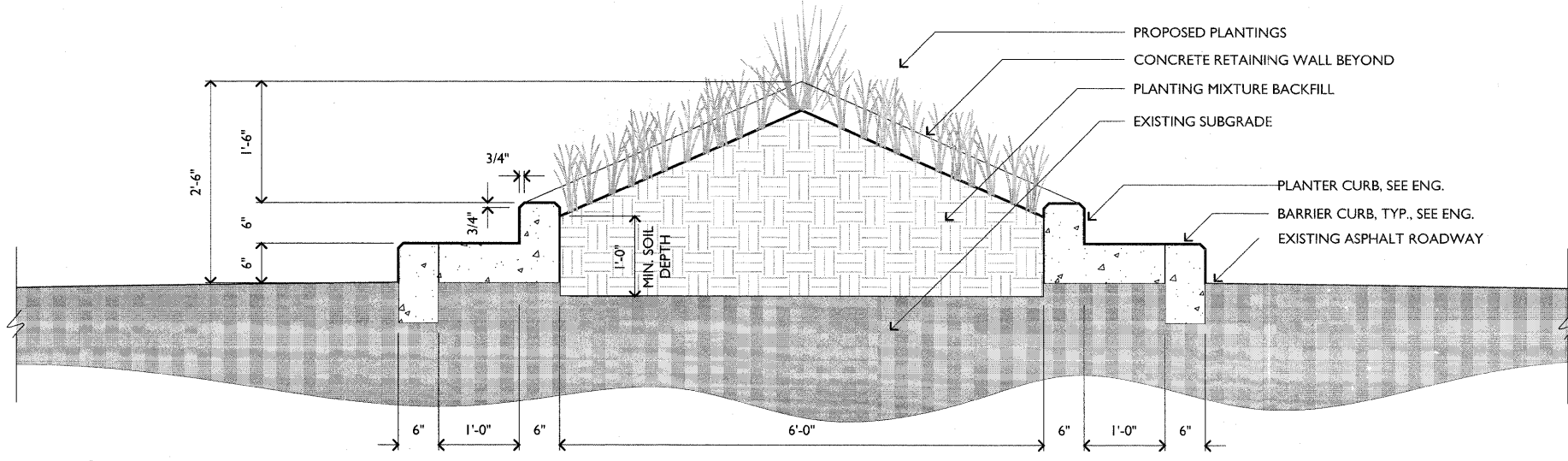
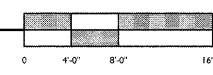
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	17
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 63654		
FED. AID PROJECT M-TE-00D1(825)		EHE PROJECT NO. 600-11-04602		



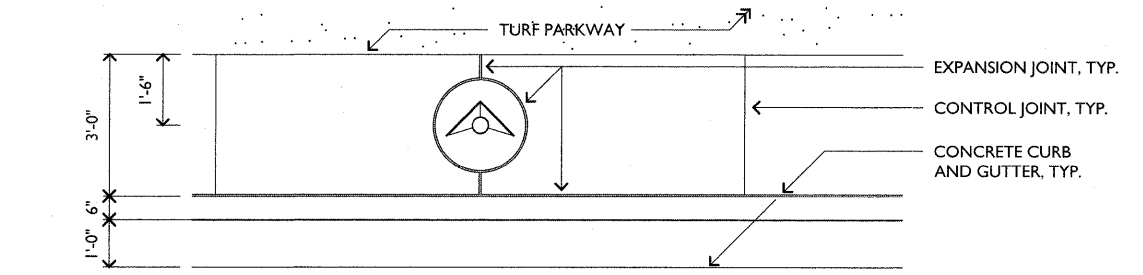
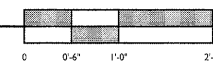
1 TYPICAL MEDIAN PLANTING PLAN
SCALE: 1/8" = 1'-0"



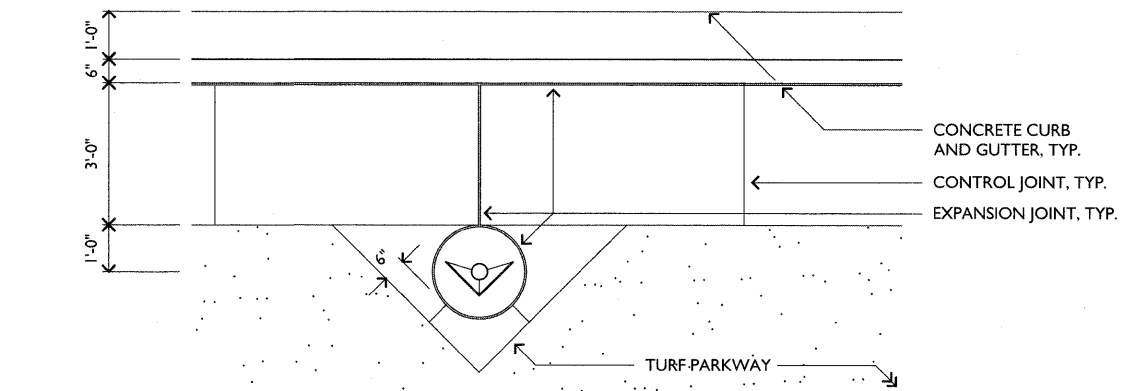
4 TYPICAL MEDIAN LONGITUDINAL SECTION
SCALE: 1/8" = 1'-0"



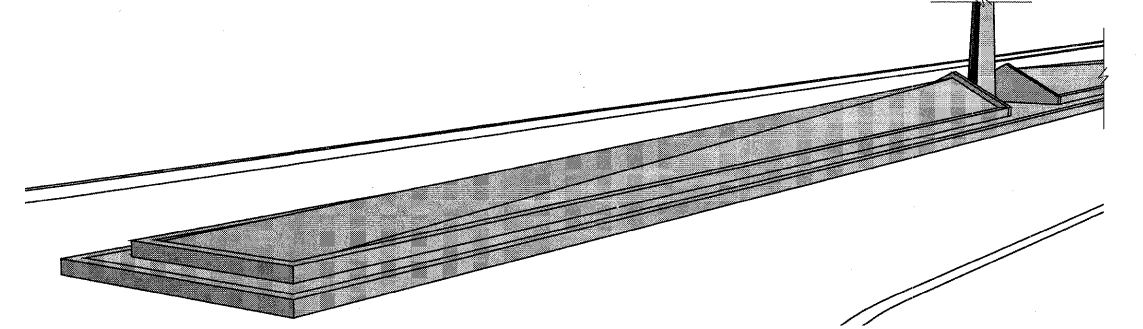
6 TYPICAL MEDIAN TRANSVERSE SECTION
SCALE: 1" = 1'-0"



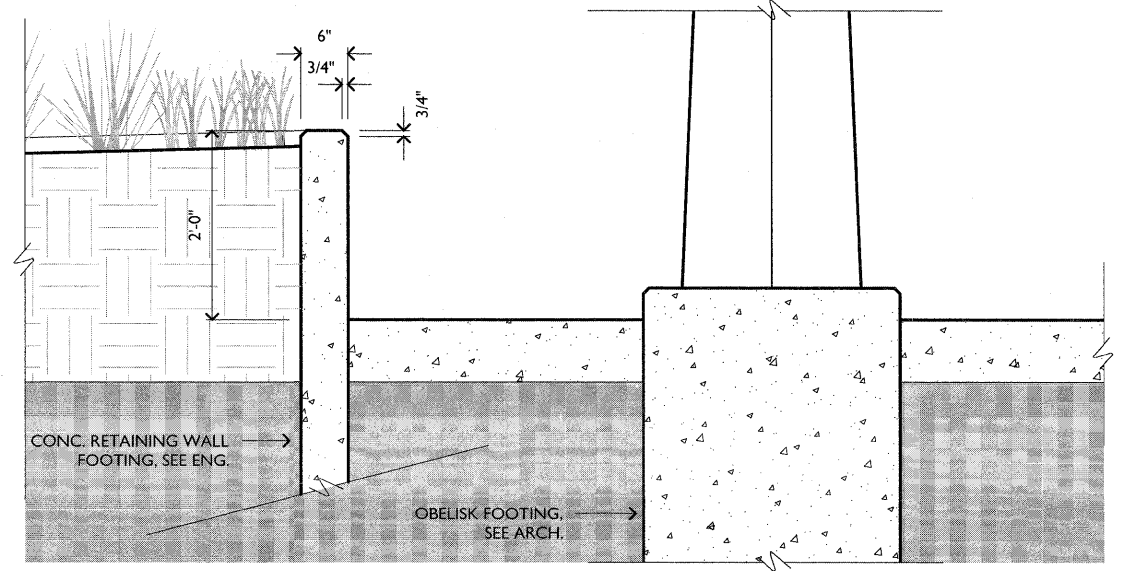
2 TYPICAL SUPPORT POST IN CONCRETE COURTESY STRIP
SCALE: 1/2" = 1'-0"



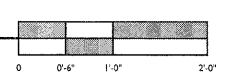
3 TYPICAL SUPPORT POST IN TURF PARKWAY
SCALE: 1/2" = 1'-0"



5 TYPICAL MEDIAN PLANTER PERSPECTIVE
NOT TO SCALE



7 TYPICAL RETAINING WALL INSTALLATION DETAIL
SCALE: 1" = 1'-0"



Drawing file: S:\Projects\Division Street Enhancements-M-10028\Draw\Issue for CD\CD-CURRENT\18_ENLARGED MEDIAN PLANS.dwg Oct 31, 2011 - 2:31pm



WOLFF LANDSCAPE ARCHITECTURE
EDWARD WINDHORST JAMES GORSKI ARCHITECTS

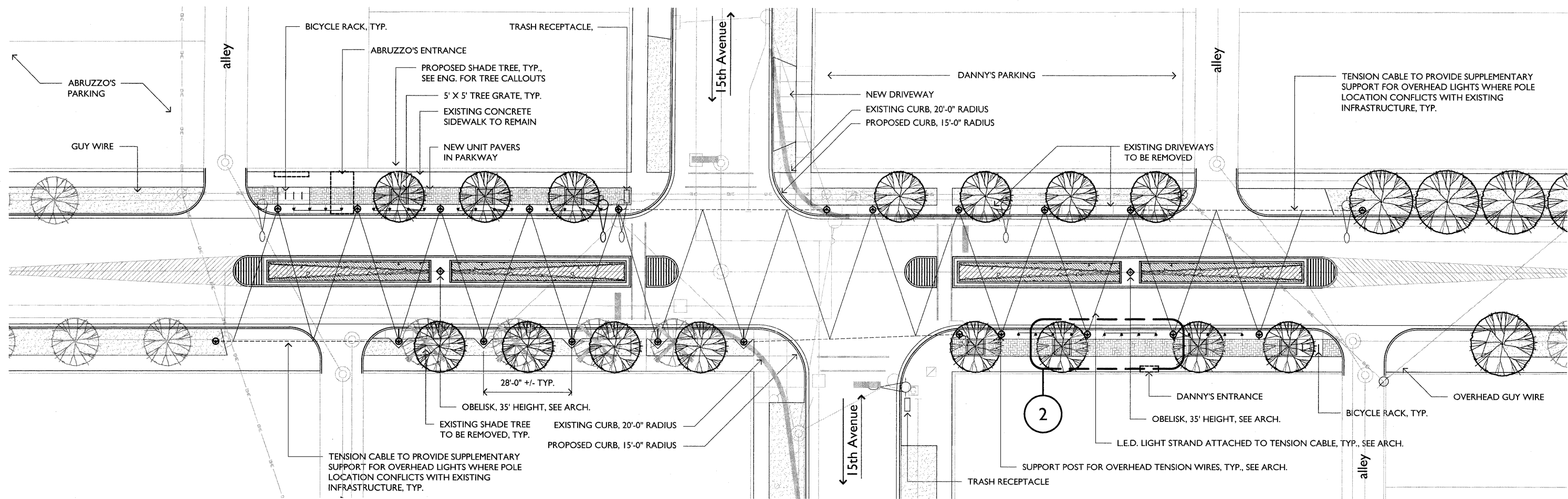
DESIGNED -	TGW / PMB	REVISED -	
DRAWN -	PMB	REVISED -	
CHECKED -	TGW	REVISED -	
DATE -	11.02.11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

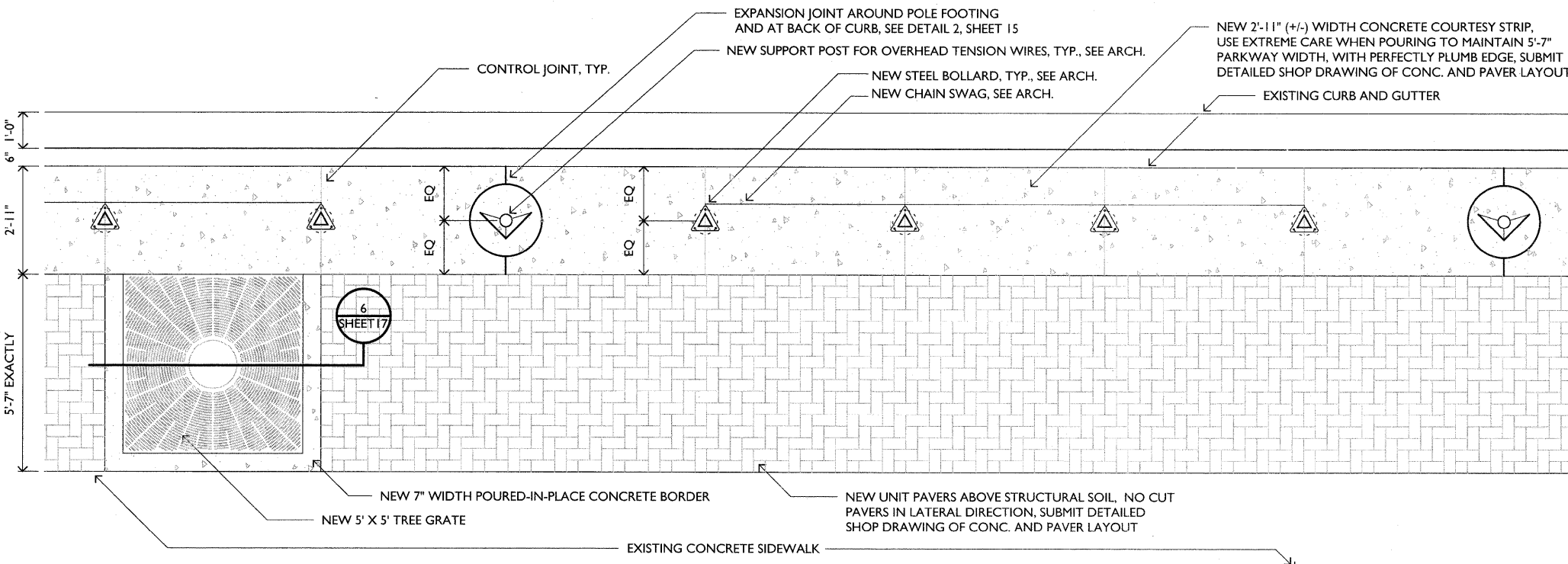
DIVISION STREET ENLARGED PLANS, TYPICAL MEDIAN

SCALE: SHEET NO. 18 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	18
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
			FED. AID PROJ. M-TE-00D(825)	



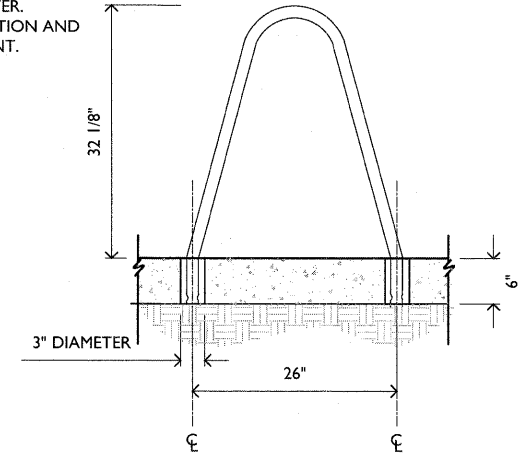
ENLARGED LANDSCAPE PLAN AT 15TH AVENUE RESTAURANT DISTRICT
SCALE: 1/16" = 1'-0"



2 TYPICAL PARTIAL PLAN - NORTHEAST AND SOUTHWEST PARKWAYS AT 15TH AVENUE RESTAURANT DISTRICT
SCALE: 1/2" = 1'-0"

INSTALLATION:

1. CORE DRILL 3" DIAMETER (MINIMUM) HOLE 6" DEEP.
2. PREPARE THE HOLES FOR OUTDOOR ANCHORING CEMENT, SUCH AS KWIXSET OR SUPER POR-ROK. FOLLOW THE MANUFACTURE'S INSTRUCTIONS FOR BLOWING OUT DUST, FILLING WITH WATER, SCRUBBING, AND REMOVING EXCESS WATER.
3. PLACE THE BIKE RACK BACK INTO POSITION AND FILL THE HOLES WITH ANCHORING CEMENT.



3 BIKE RACK INSTALLATION DETAIL
SCALE: 1" = 1'-0"



WOLFF LANDSCAPE ARCHITECTURE
EDWARD WINDHORST JAMES GORSKI ARCHITECTS

DESIGNED -	TGW / PMB	REVISED -	
DRAWN -	PMB	REVISED -	
CHECKED -	TGW	REVISED -	
DATE -	11.02.11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIVISION STREET ENLARGED PLANS, 15TH AVE.

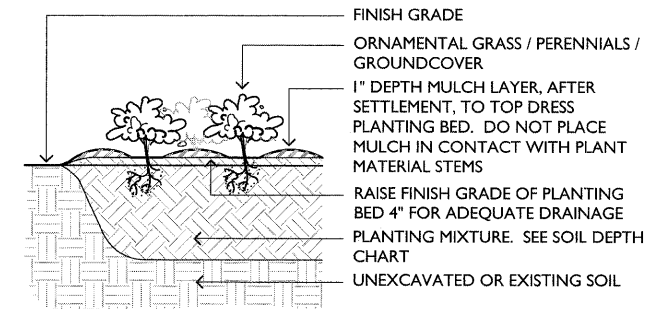
SCALE: SHEET NO. 19 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	19
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654 FED. AID PROJ. M-TE-00D1(825)	

	CODE	IDOT PAY ITEM #	BOTANICAL NAME	COMMON NAME	QTY	CAL	ROOT	REMARKS
SHADE TREES	AMMO	A2000332	ACER MIYABEI 'MORTON'	STATE STREET MAPLE	20	4"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
	ACFM	A2012005	AESCULUS X CARNEA 'FORT MCNAIR'	FORT MCNAIR RED HORSECHESTNUT	19	4"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
	COC	A2002886	CELTIS OCCIDENTALIS 'CHICAGOLAND'	CHICAGOLAND COMMON HACKBERRY	9	4"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
	GBAG	A2004428	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO	7	3-1/2"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
	GD	A2005030	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	11	4"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
	GTIS	A2004832	GLEDITSIA TRIACANTHOS VAR. INERMIS 'SKYLINE'	SKYLINE THORNLESS HONEYLOCUST	1	4"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
	QB	A2006532	QUERCUS BICOLOR	SWAMP WHITE OAK	10	4"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
	TAR	A2007932	TILIA AMERICANA 'REDMOND'	REDMOND LINDEN	19	4"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
	UCMG	A2008626	ULMUS CARPINIFOLIA 'MORTON GLOSSY'	TRIUMPH ELM	16	4"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
ORNAMENTAL TREES	AGAB	B2000774	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	7	3"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
	CVVK	B2002222	CRATAEGUS VIRIDIS 'WINTER KING'	WINTER KING HAWTHORN	7	2-1/2"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
	SRIS	B2006332	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	30	4"	B&B	SINGLE STRAIGHT TRUNK, SPECIMEN QUALITY
PERENNIALS AND GROUNDCOVERS	HSPP	K0012990	HEMEROCALLIS SPECIES	DAYLILY MIX	3,056	-	#1	EVEN MIX OF 'BLACK-EYED STELLA', 'FAIRY TALE PINK', 'HAPPY RETURNS', 'STELLA DE ORO', AND 'STRAWBERRY CANDY'; 12" O.C.
	PAH	K0012990	PENNISETUM ALOPICUROIDES 'HAMEILN'	DWARF FOUNTAIN GRASS	1,212	-	#1	18" O.C.

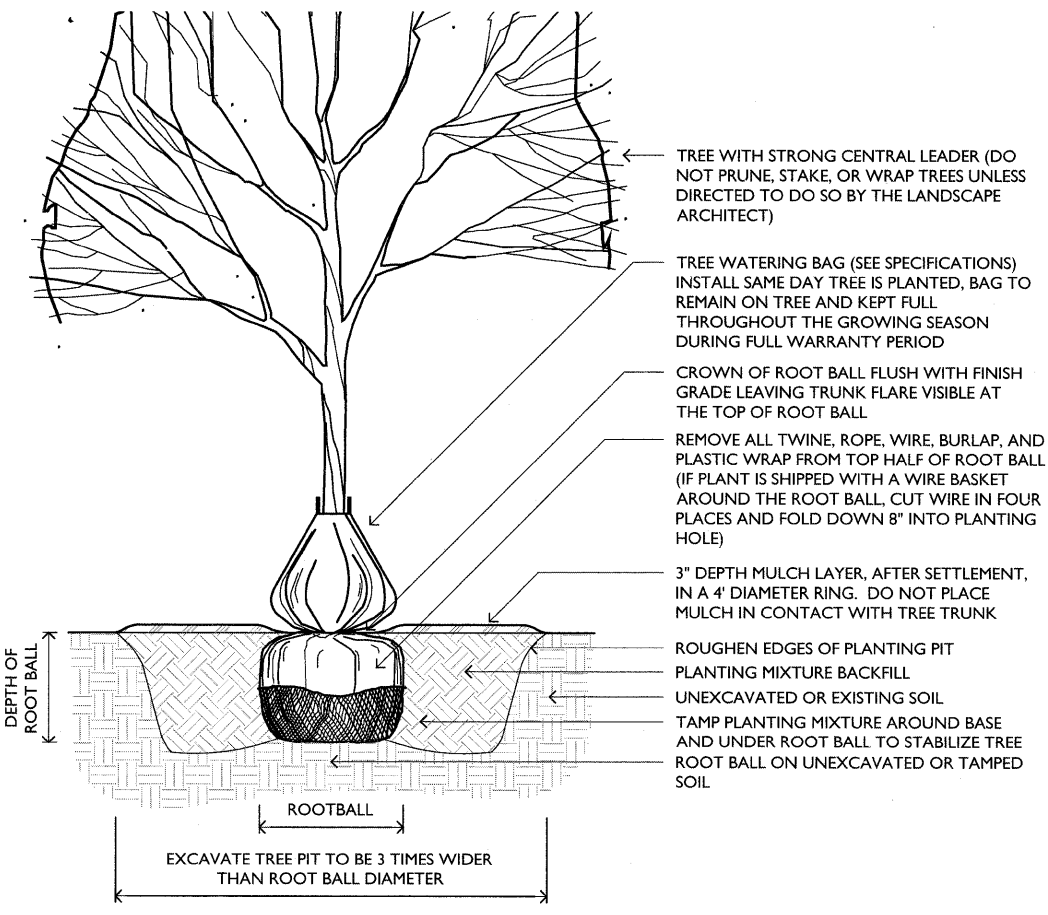
LANDSCAPE AREAS	DEPTH
LAWN AREAS (SOD)	6" TOPSOIL
MEDIAN PLANTERS	VARIES, 12" PLANTING MIX, MIN.
SHADE AND ORNAMENTAL TREES	PER TREE INSTALLATION DETAIL

2 SOIL DEPTH CHART
NOTE: THE CONTRACTOR IS TO SUPPLY SOIL FILL MATERIAL TO THE DEPTHS INDICATED ON THE CHART ABOVE

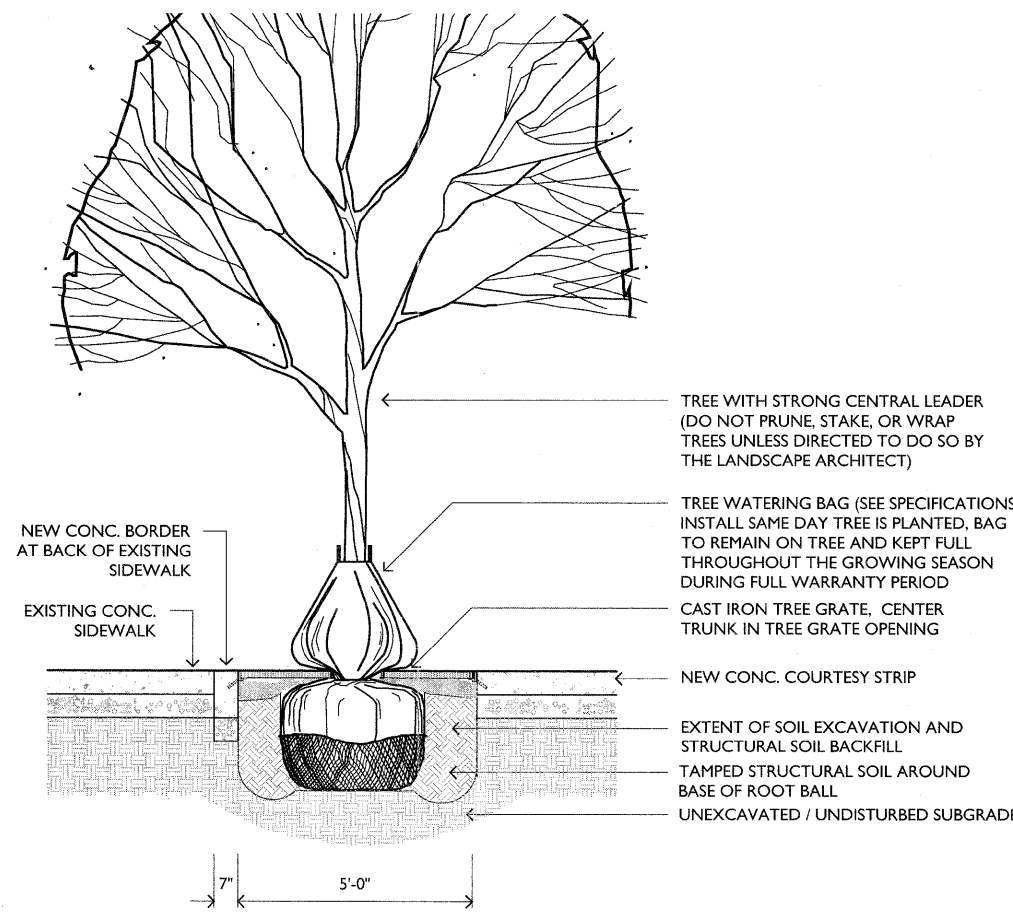


3 PERENNIAL INSTALLATION DETAIL
NOT TO SCALE

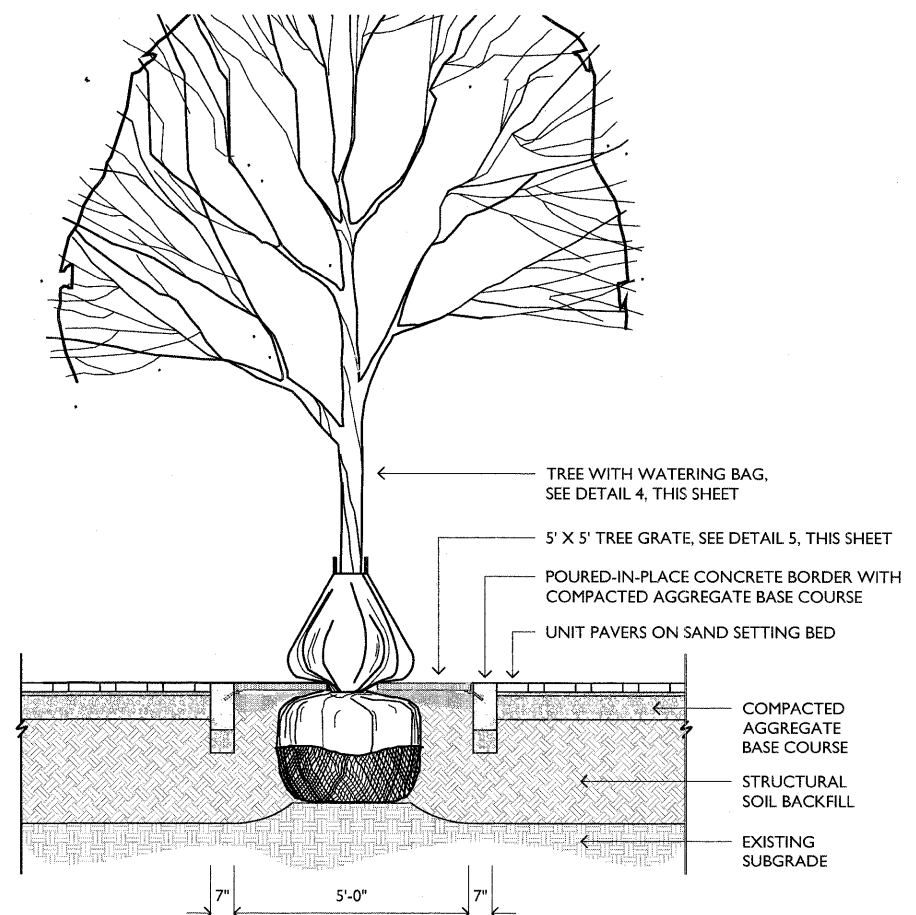
1 PLANT LIST
NOTE: QUANTITIES ON THE PLANT LIST ARE PROVIDED FOR INFORMATION ONLY. PLANT QUANTITIES UNDER THE CONTRACT ARE INDICATED ON THE PLANS. IN THE EVENT OF ANY DISCREPANCIES, THE CONTRACT SHALL BE BASED ON THE QUANTITIES SHOWN ON THE PLANS.



4 DECIDUOUS TREE IN TURF PARKWAY
SCALE: 1/2" = 1'-0"



5 DECIDUOUS TREE IN TREE GRATE
SCALE: 1/2" = 1'-0"



6 TREE GRATE AND PAVERS OVER STRUCTURAL SOIL
SCALE: 1/2" = 1'-0"

Drawing file: S:\Projects\Division - Street Enhancements-M-10028\Cad\Issue for CD\CD-CURRENT\20_PLANT LIST AND DETAILS.dwg Nov 01, 2011 - 4:22 pm



WOLFF LANDSCAPE ARCHITECTURE
EDWARD WINDHORST JAMES GORSKI ARCHITECTS

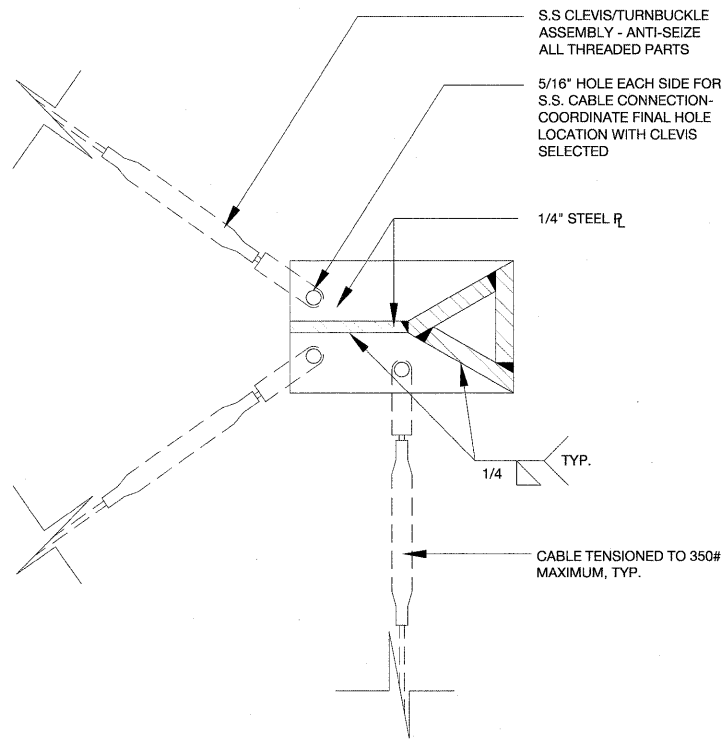
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DRAWN --	PMB	REVISED --	
CHECKED --	TGW	REVISED --	
DATE --	11.02.11	REVISED --	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANT LIST AND DETAILS

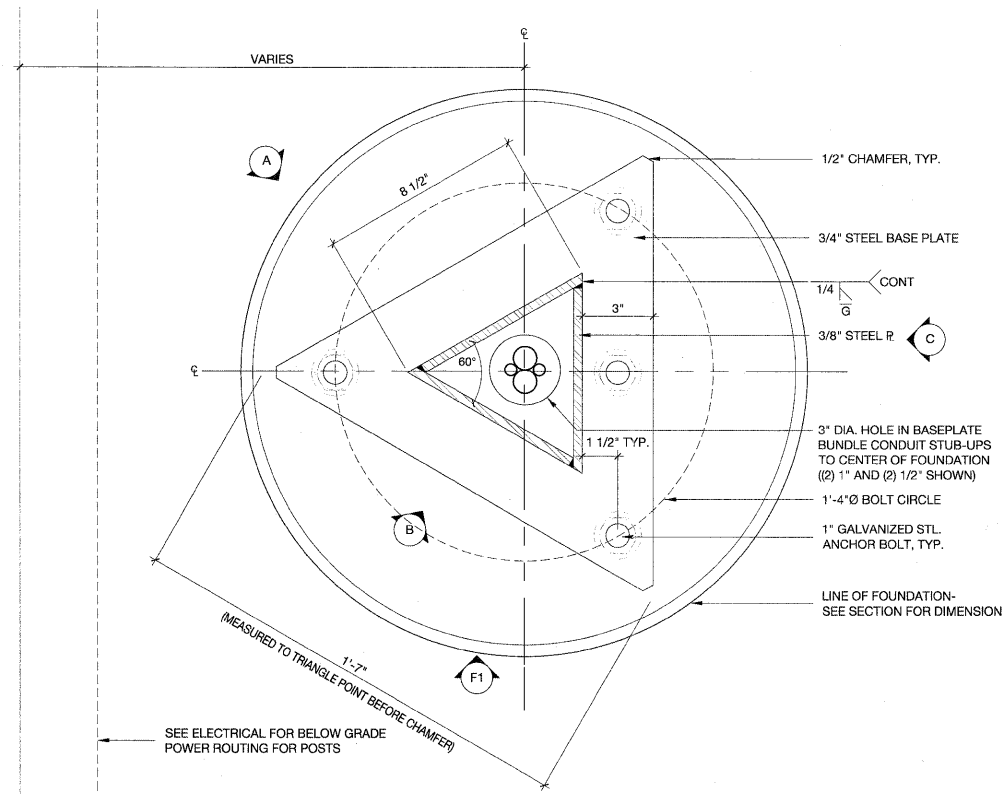
SCALE: SHEET NO. 20 OF 40 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	20
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
			FED. AID PROJ. M-TE-00D1(825)	



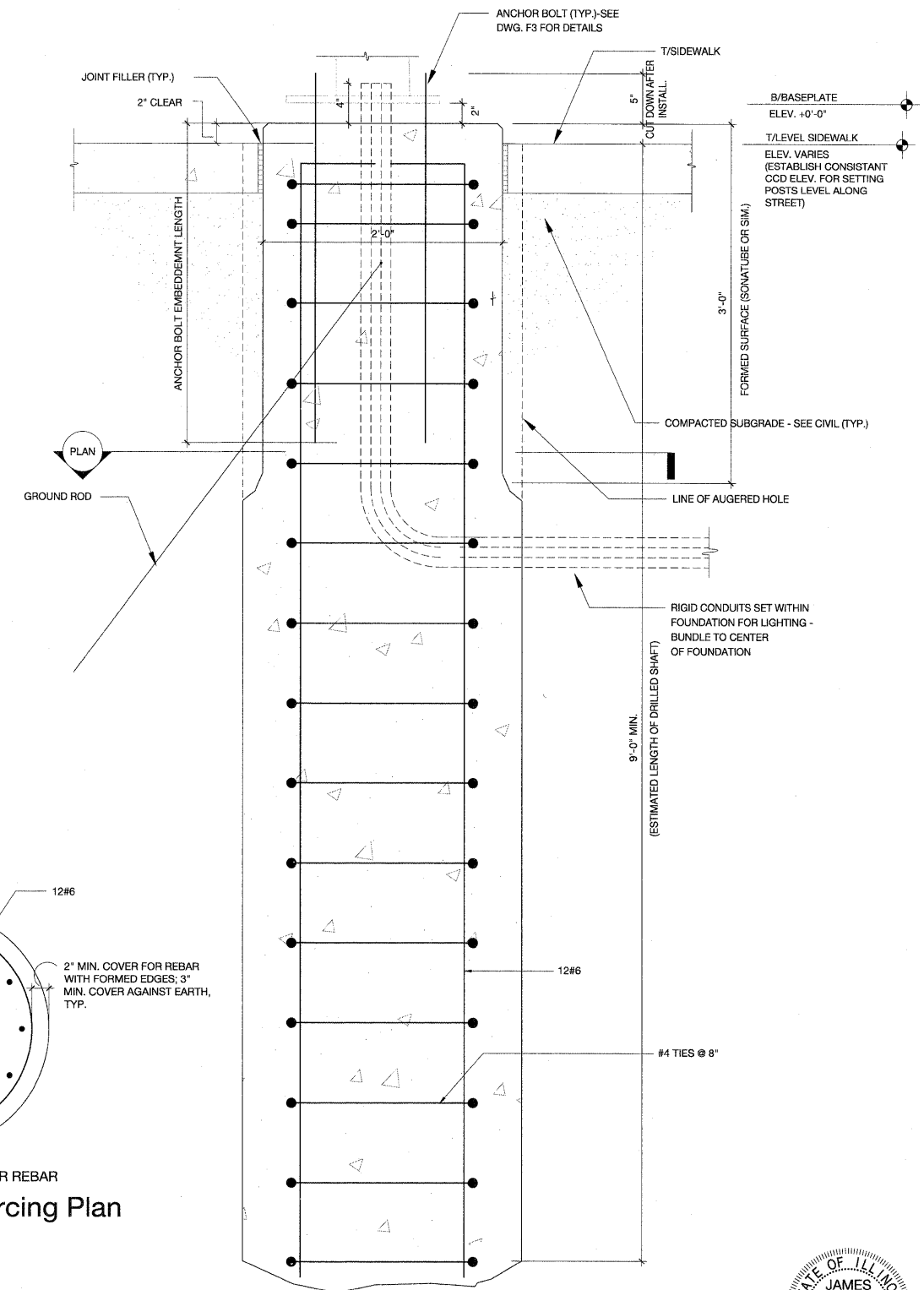
Special Post Detail for E1 Cable to Cable Connection

SCALE: 1-1/2"=1'-0"



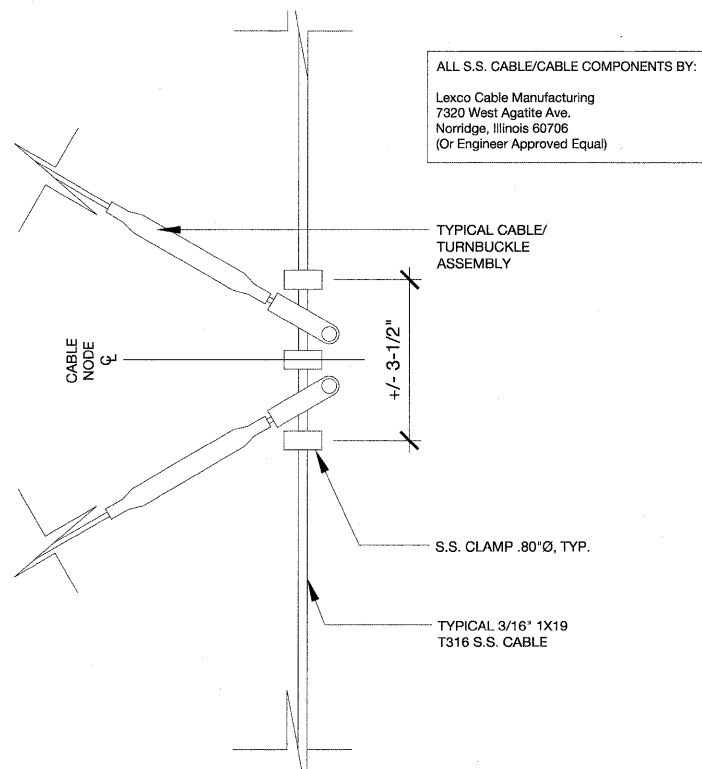
E4 Plan at Post Baseplate

SCALE: 3"=1'-0"



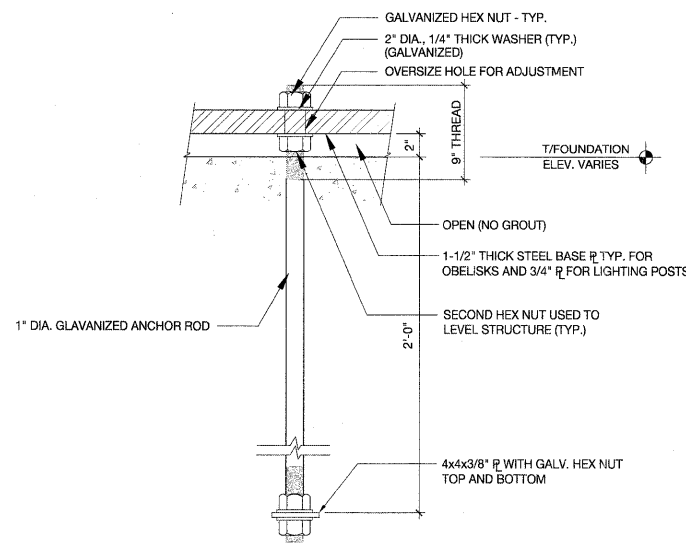
F6 Section Through Monument Foundation - Type A

SCALE: 1-1/2"=1'-0"



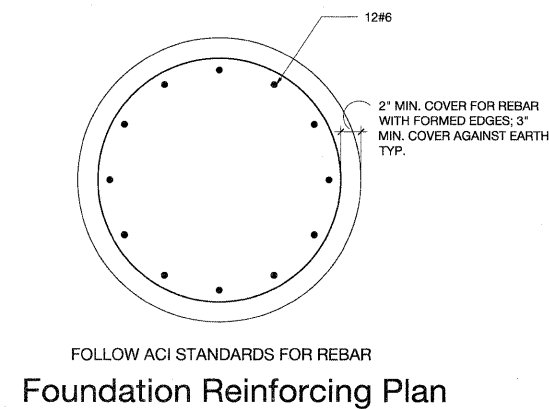
F1 Cable to Cable Connection, Typ.

SCALE: 1-1/2"=1'-0"

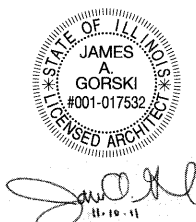


F3 Anchor Rod Detail, Typ.

SCALE: 1-1/2"=1'-0"



Foundation Reinforcing Plan



WOLFF LANDSCAPE ARCHITECTURE
EDWARD WINDHORST JAMES GORSKI ARCHITECTS
GOODFRIEND MAGRUDER STRUCTURE

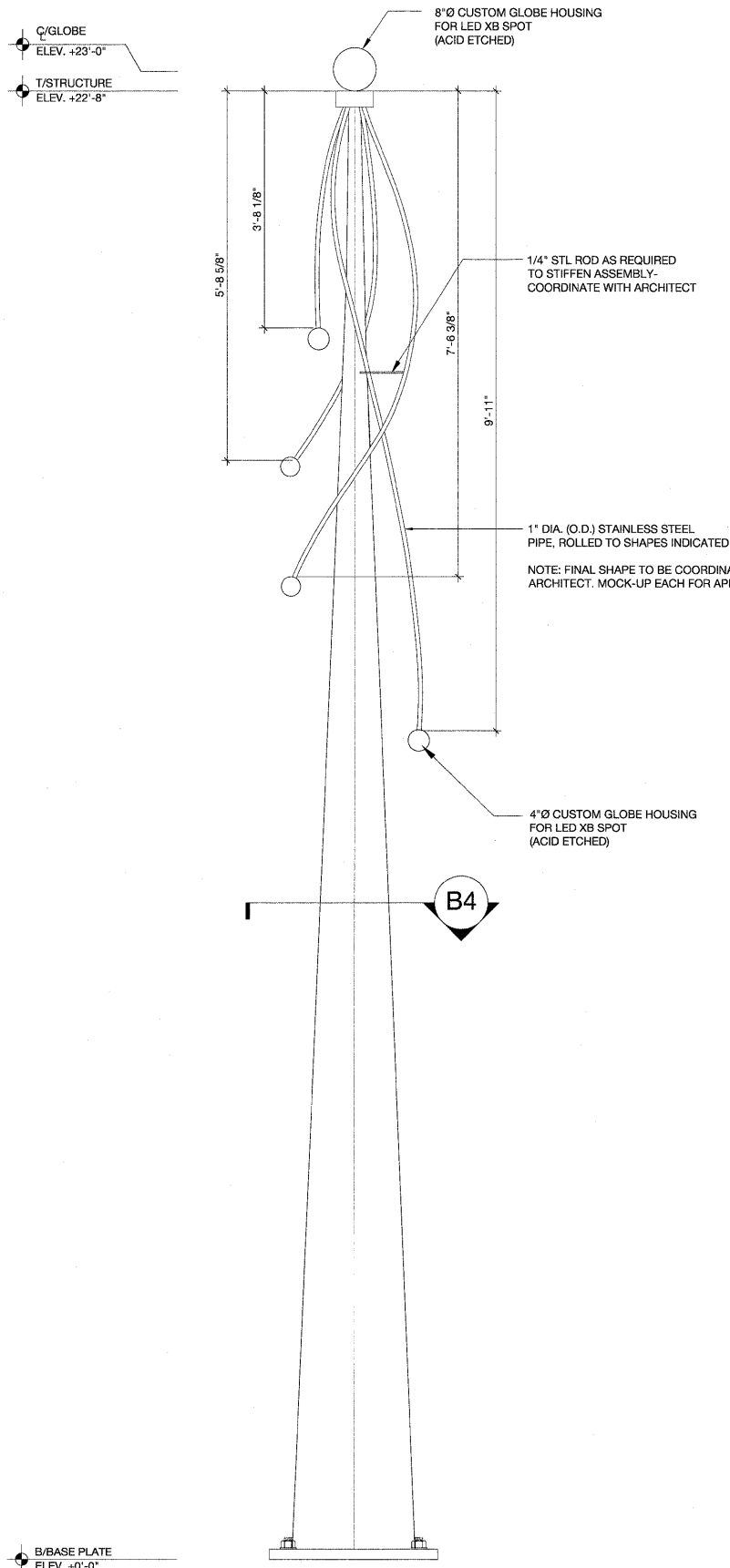
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DRAWN -	JG	REVISED -	
CHECKED -	JG	REVISED -	
DATE -	08/15/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Steel Post for Overhead Decorative Lighting System

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
--------	---------------------	--------------

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	22
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 63654		
FED. AID PROJECT M-TE-001(025)		EHE PROJECT NO. 600-11-04602		



Qty: Provide 5 identical structures

F1 Elevation

SCALE: 3/4"=1'-0"

L.E.D. LIGHTING SYSTEM
(Custom etched glass globes not by Traxon)

MODEL: Traxon Spot XB Series (Or Engineer Approved Equal)

LIGHT SOURCE: 3 High Intensity power LEDs

COLOR RESOLUTION: 3x8-bit (RGB) per pixel

COLOR OPTIONS: RGB

BEAM ANGLE: 6°, 15°, 25°

COVER LENS: Winona Round Globe, Size TBD

HOUSING: Aluminum Extrusion

ADJUST. OPTIONS: MR16 Mounting

SIZE: 2.70" (Height); 1.97" (Diameter)

SAFETY APPROVAL: CE

OPERATING TEMP.: -4°F to 104°F

RATING: Outdoor

HUMIDITY: 0 to 85%

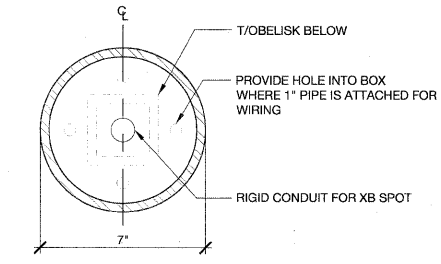
CONSTANT CURRENT: 350mA, 700mA DC

POWER CONSUMPTION: 3.4W/3.7W (1W), 3.4W/4.7W (K2-350mA), 7.6W/9W (K2-700mA)

POWER/DATA INTERFACE: TX CONNECT

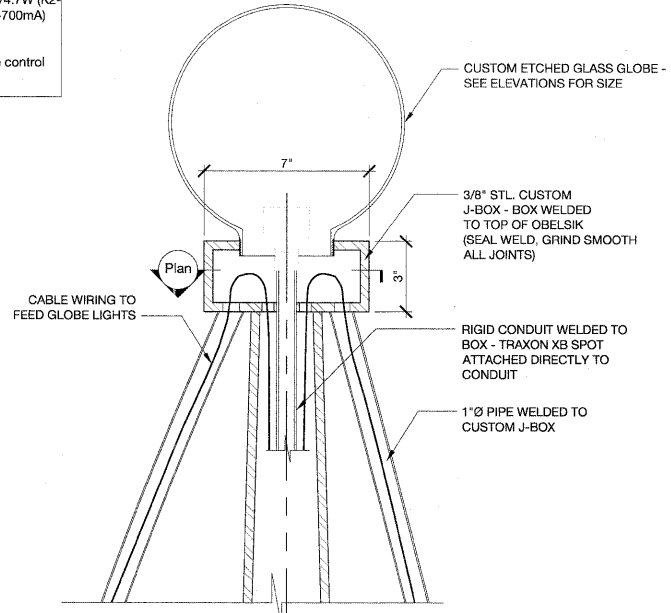
CONTROL: DMX512 or standalone control

POWER SUPPLY: LED Engine XB-SD



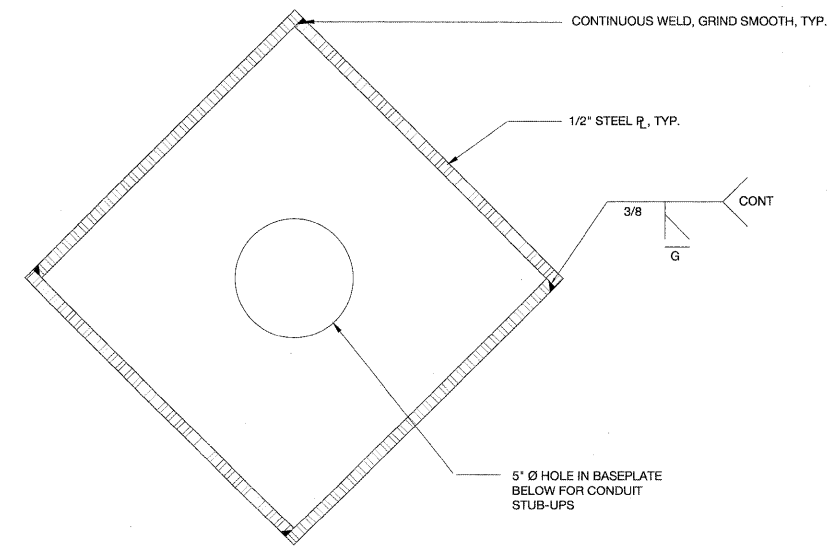
C4 Plan Detail

SCALE: 3"=1'-0"



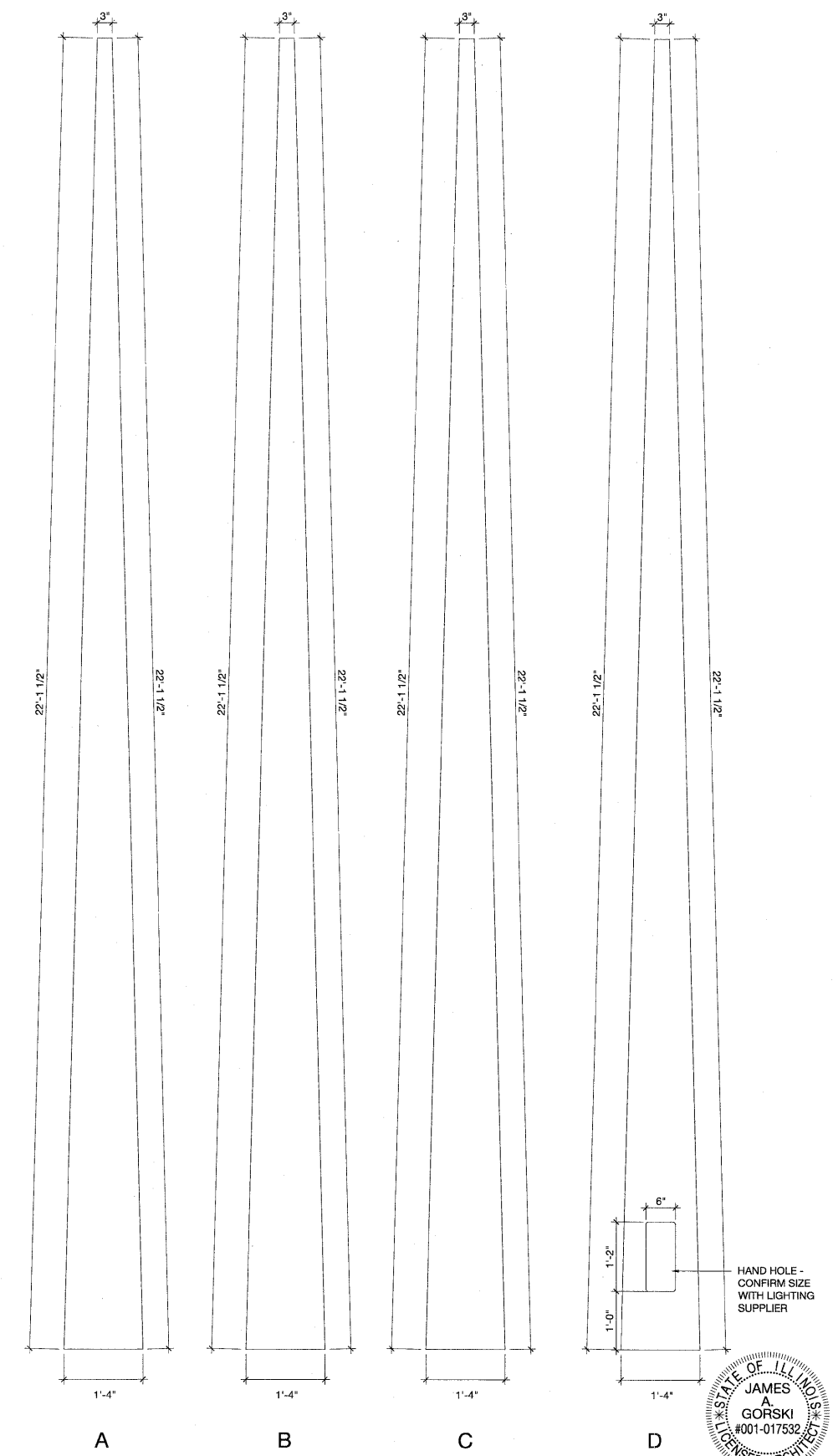
D4 Section Detail

SCALE: 3"=1'-0"



B4 Typical Section

SCALE: 3"=1'-0"



F6 Elevations Each Side

SCALE: 3/4"=1'-0"



WOLFF LANDSCAPE ARCHITECTURE
EDWARD WINDHORST JAMES GORSKI ARCHITECTS
GOODFRIEND MAGRUDER STRUCTURE

DESIGNED	EW	REVISED	-
DRAWN	JG	REVISED	-
CHECKED	JG	REVISED	-
DATE	08/15/11	REVISED	-

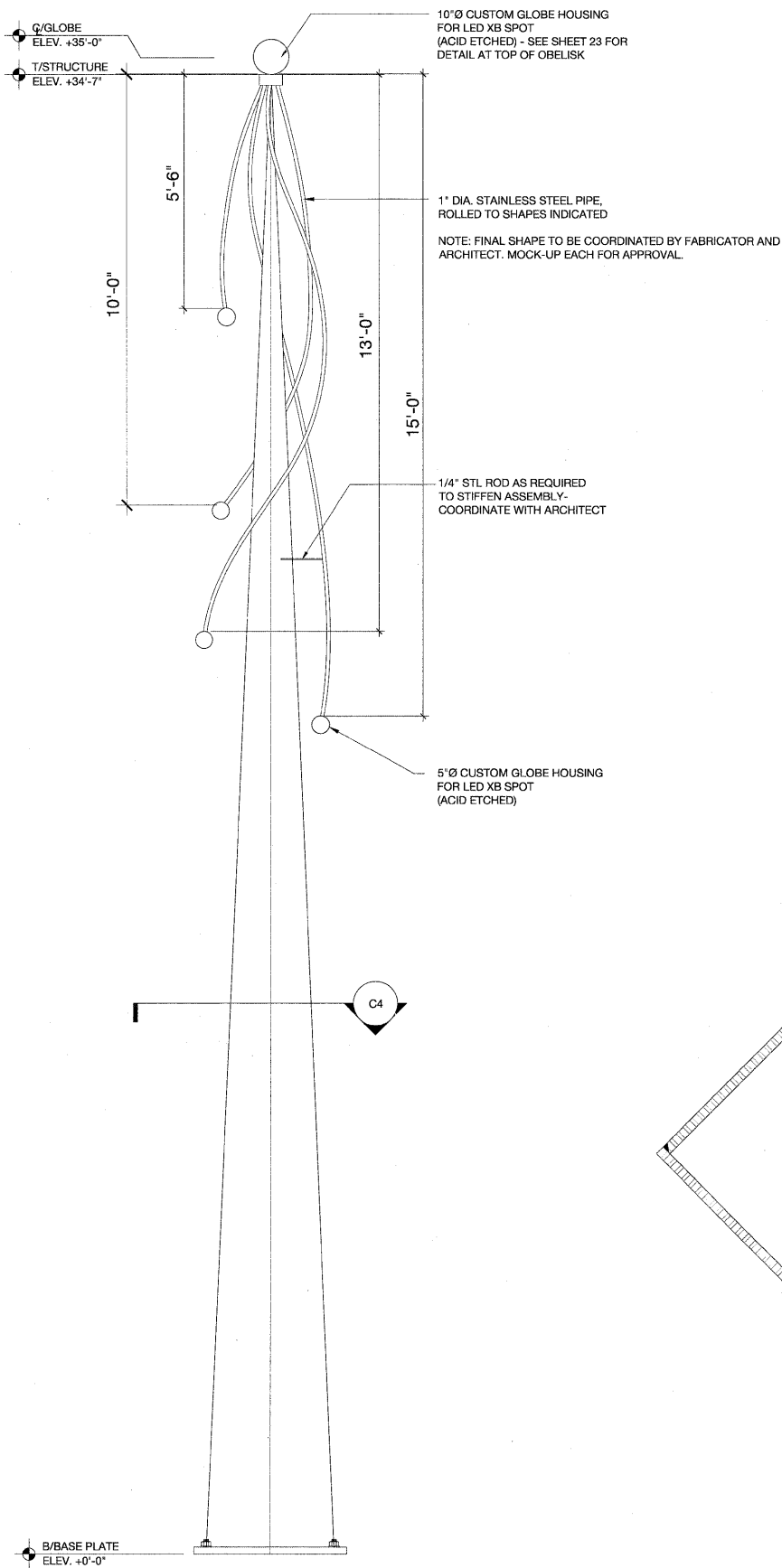
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Medium Steel Obelisk

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	23
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63654	
		FED. AID PROJECT M-TE-00D1(825)		

EHE PROJECT NO. 600-11-04602



Qty: Provide 2
F1 Elevation
 SCALE: 1/2"=1'-0"

L.E.D. LIGHTING SYSTEM
 (Custom etched glass globes not by Traxon)

MODEL: Traxon Spot XB Series (Or Engineer Approved Equal)

LIGHT SOURCE: 3 High Intensity power LEDs

COLOR RESOLUTION: 3x8-bit (RGB) per pixel

COLOR OPTIONS: RGB

BEAM ANGLE: 6°, 15°, 25°

COVER LENS: Winona Round Globe, Size TBD

HOUSING: Aluminum Extrusion

ADJUST. OPTIONS: MR16 Mounting

SIZE: 2.70" (Height); 1.97" (Diameter)

SAFETY APPROVAL: CE

OPERATING TEMP.: -4°F to 104°F

RATING: Outdoor

HUMIDITY: 0 to 85%

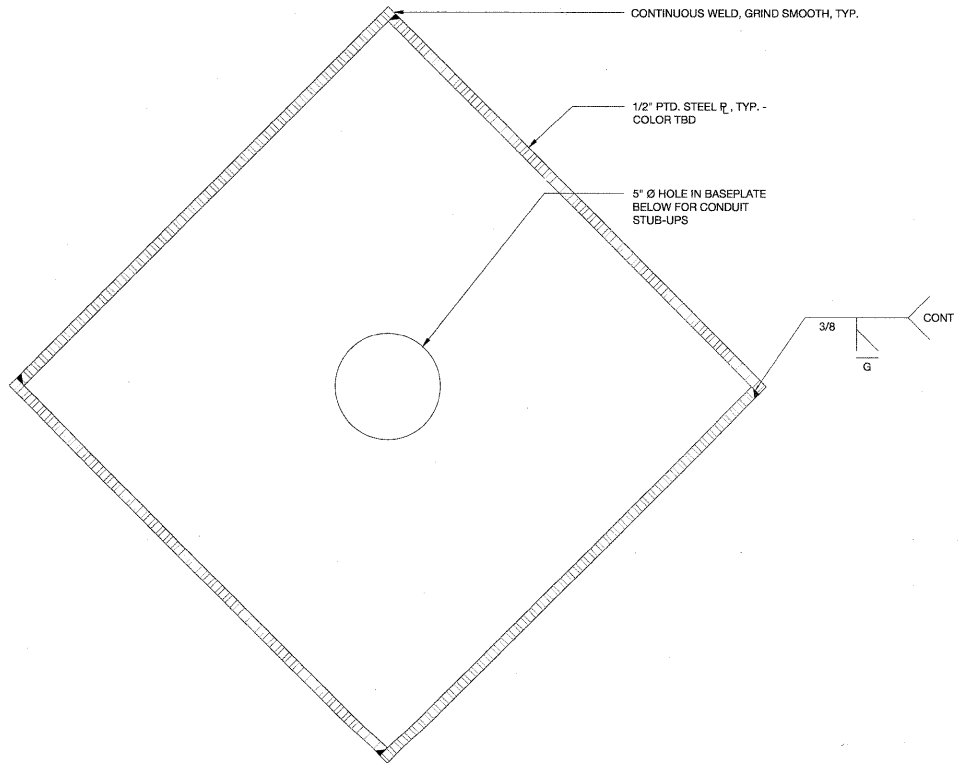
CONSTANT CURRENT: 350mA, 700mA DC

POWER CONSUMPTION: 3.4W/3.7W (1W), 3.4W/4.7W (K2-350mA), 7.6W/9W (K2-700mA)

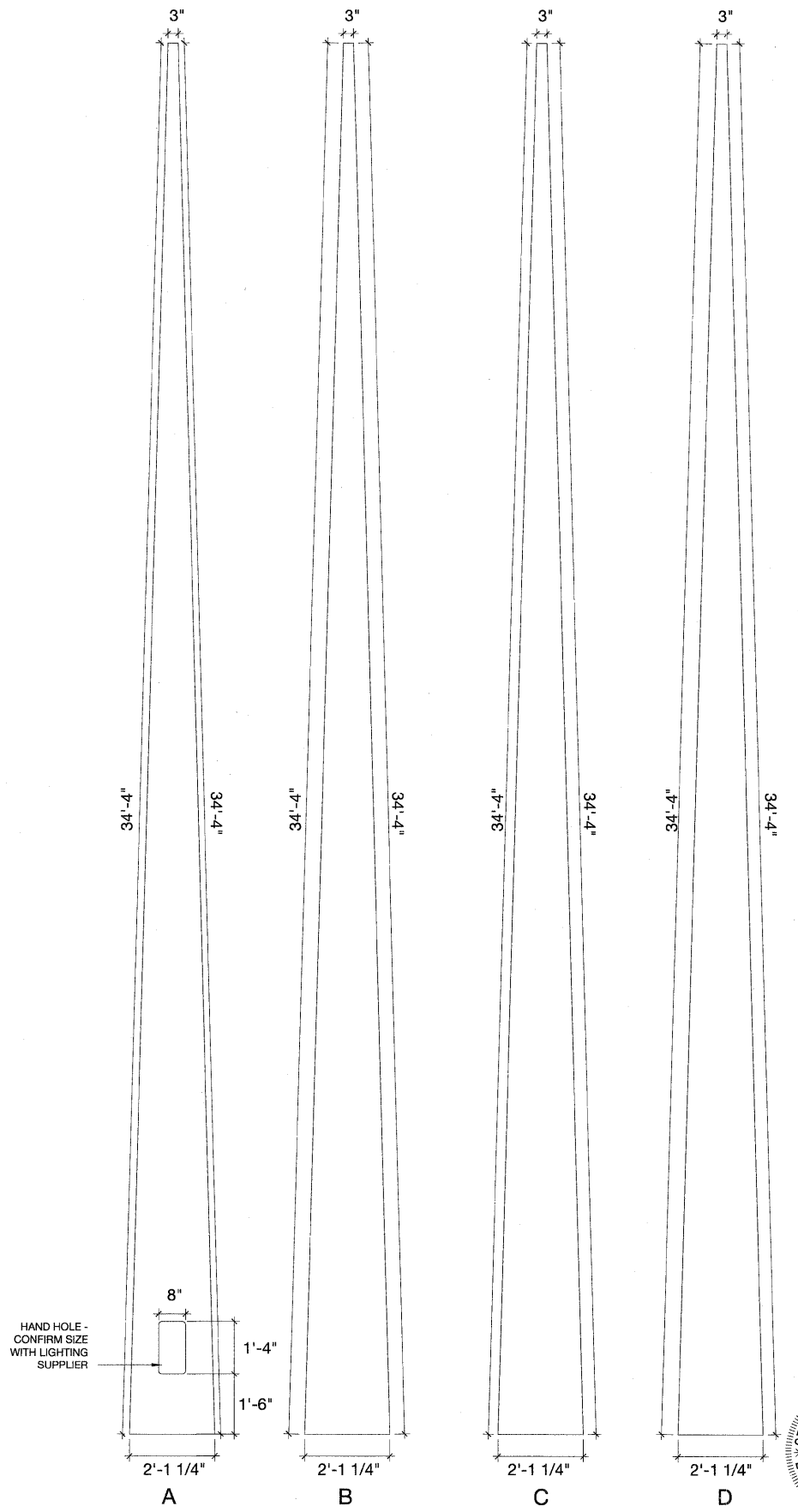
POWER/DATA INTERFACE: TX CONNECT

CONTROL: DMX512 or standalone control

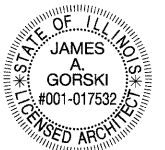
POWER SUPPLY: LED Engine XB-SD



C4 Typical Section
 SCALE: 3"=1'-0"



F6 Elevations Each Side
 SCALE: 1/2"=1'-0"



HANCOCK ENGINEERING
 WOLFF LANDSCAPE ARCHITECTURE
 EDWARD WINDHORST JAMES GORSKI ARCHITECTS
 GOODFRIEND MAGRUDER STRUCTURE

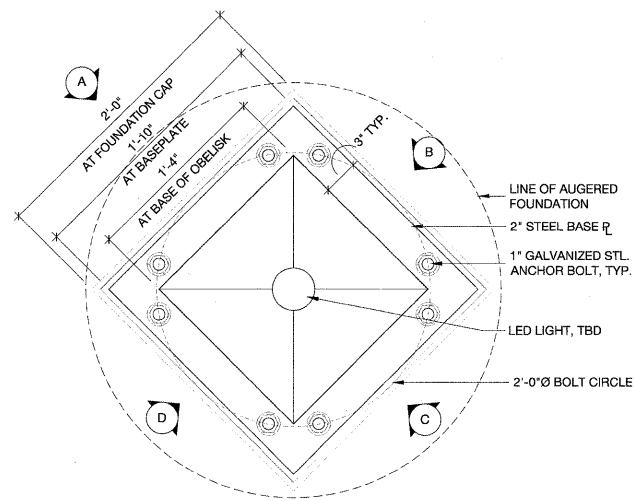
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DRAWN	JG	REVISED	-
CHECKED	JG	REVISED	-
DATE	08/15/11	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Large Steel Obelisk

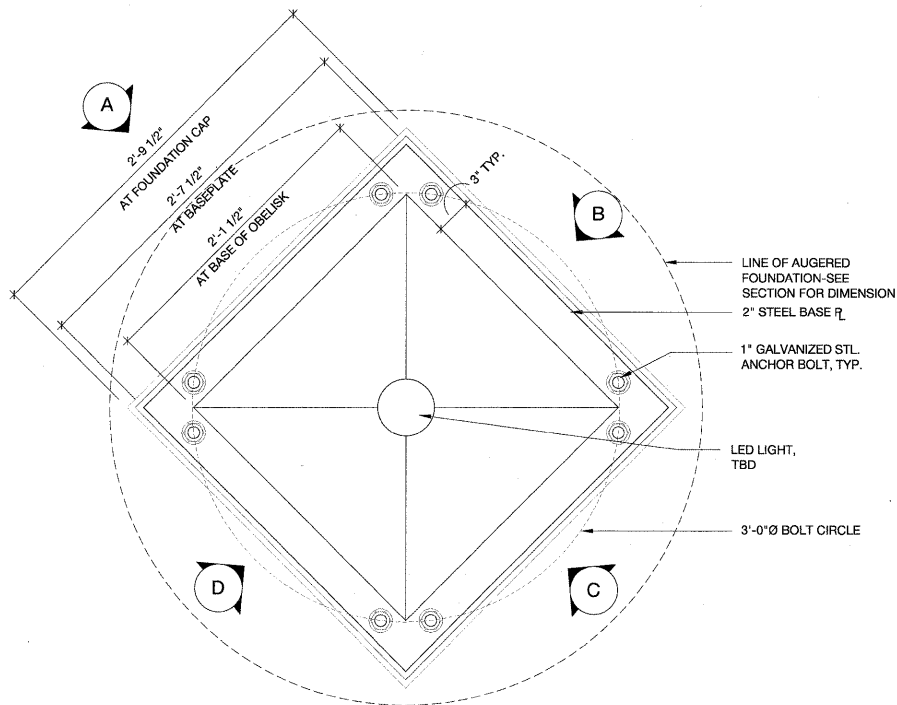
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	24
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 63654		
		FED. AID PROJECT M-TE-0001(825)		



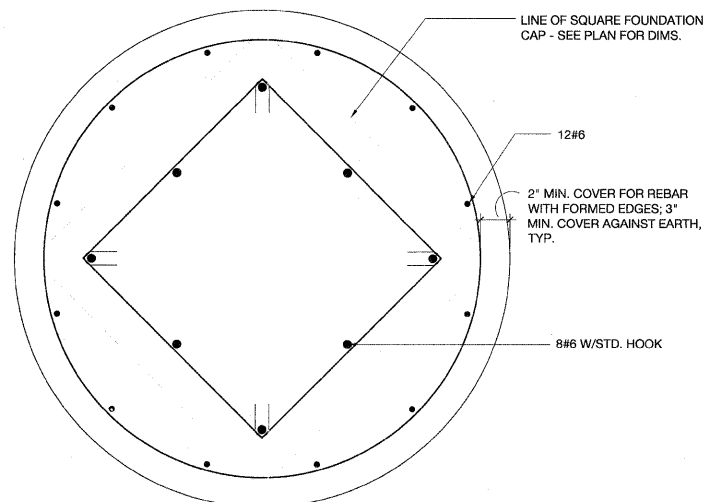
F4 Plan at Medium Obelisk Baseplate

SCALE: 1 1/2"=1'-0"

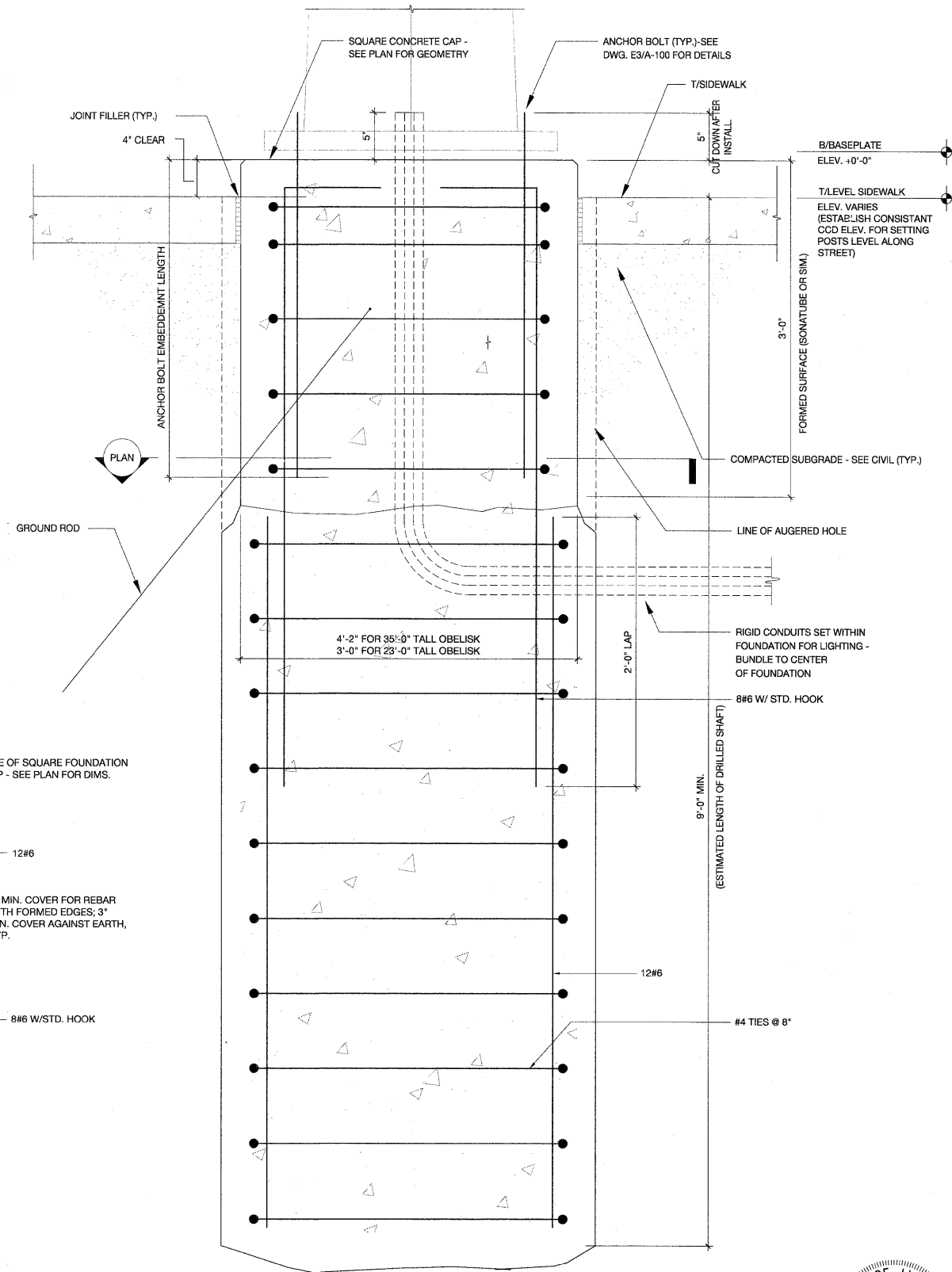


F4 Plan at Large Obelisk Baseplate

SCALE: 1 1/2"=1'-0"



Foundation Reinforcing Plan



F6 Section Through Monument Foundation - Types B and C

SCALE: 1-1/2"=1'-0"



James A. Gorski
11.10.11



WOLFF LANDSCAPE ARCHITECTURE
EDWARD WINDHORST JAMES GORSKI ARCHITECTS
GOODFRIEND MAGRUDER STRUCTURE

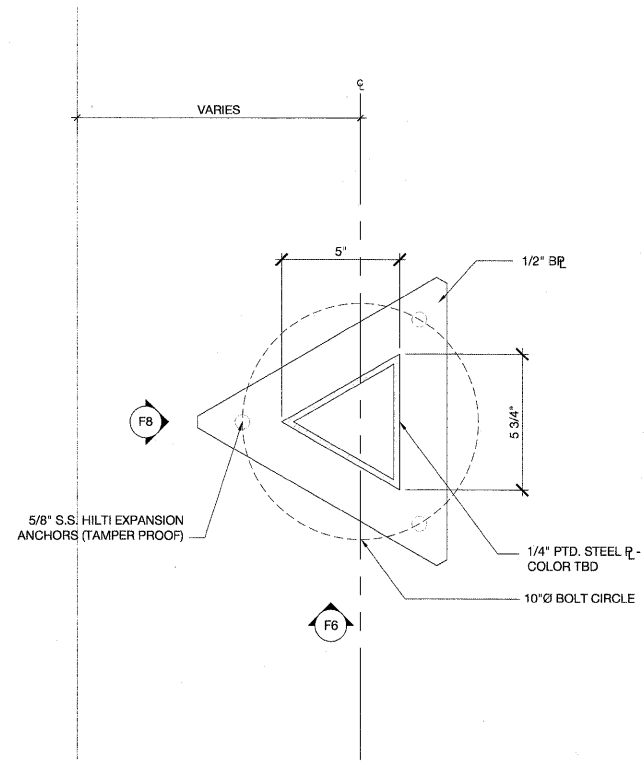
DESIGNED	EW	REVISED	-
DRAWN	JG	REVISED	-
CHECKED	JG	REVISED	-
DATE	08/15/11	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Steel Obelisk Plan and Foundation Details

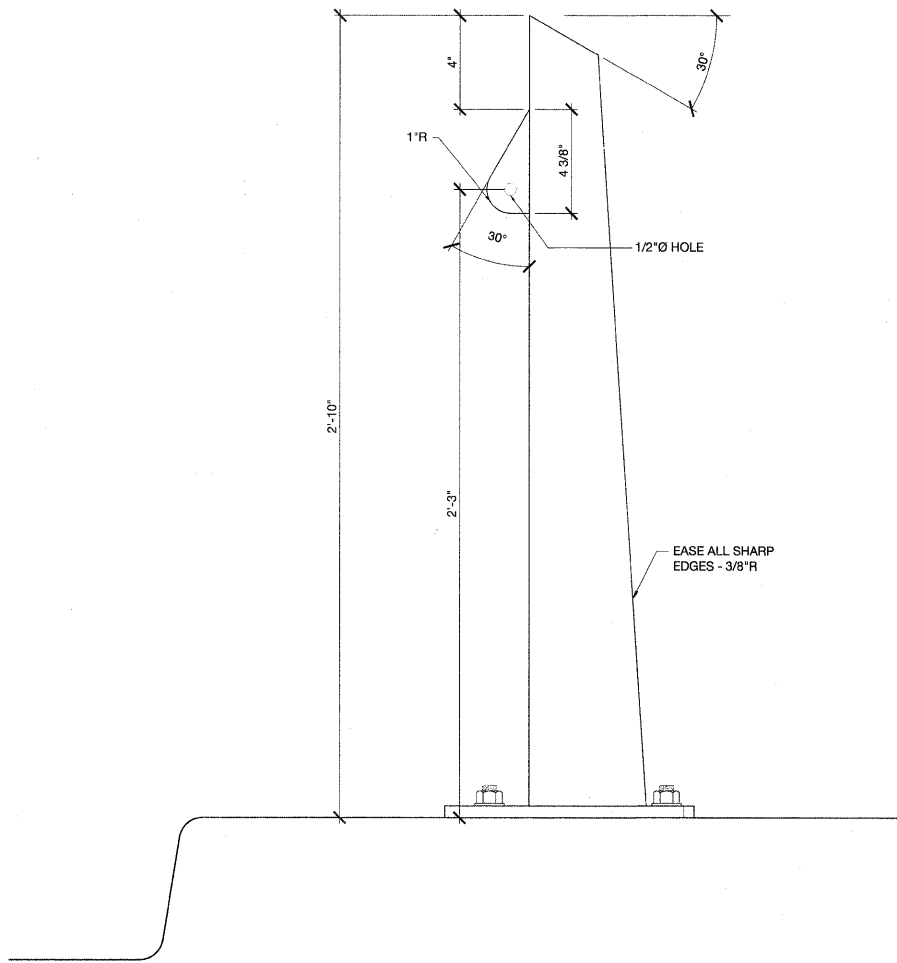
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	25
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-0001(825)			EHE PROJECT NO. 600-11-04602	



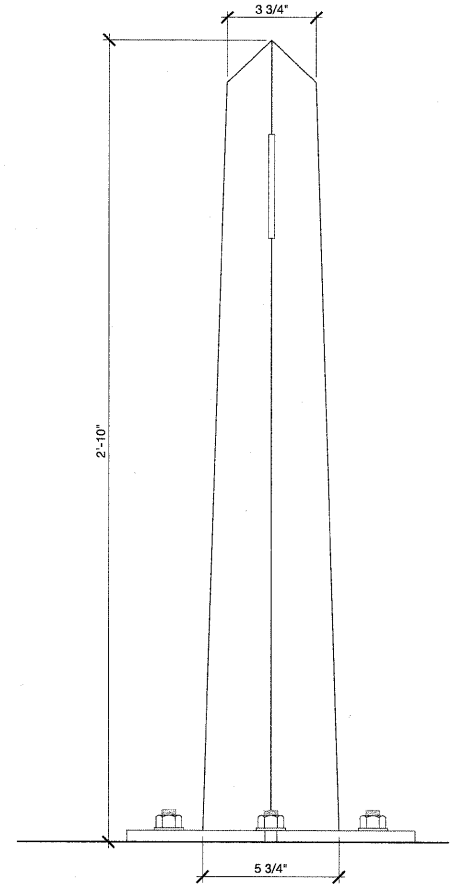
F4 Plan at Bollard Baseplate

SCALE: 3"=1'-0"



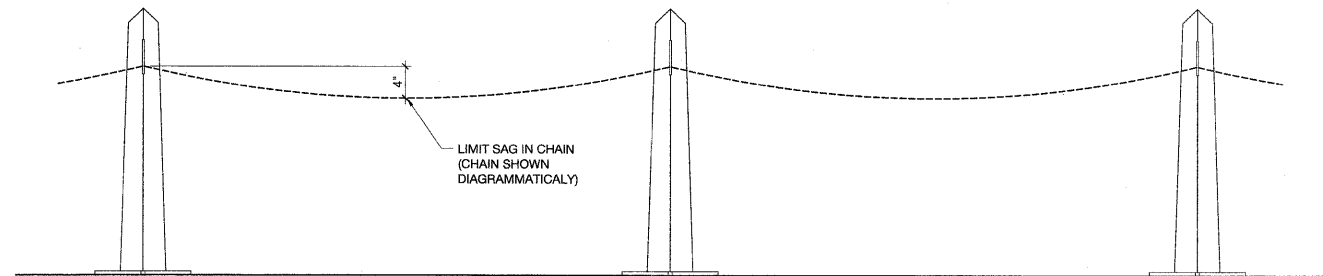
F6 Bollard Elevation

SCALE: 3"=1'-0"



F8 Bollard Elevation

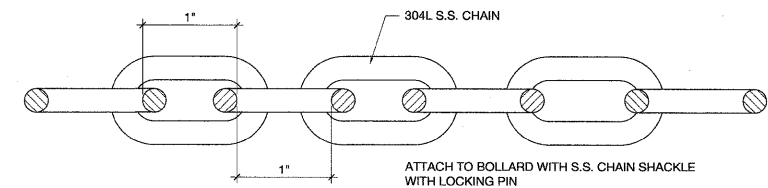
SCALE: 3"=1'-0"



NOTE: SEE DRAWING 2, SHEET 16 FOR BOLLARD LAYOUT

F5 Partial Elevation of Bollard Grouping

SCALE: 3"=1'-0"



F7 Stainless Steel Chain

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



James A. Gorski
11.10.11



WOLFF LANDSCAPE ARCHITECTURE
EDWARD WINDHORST JAMES GORSKI ARCHITECTS
GOODFRIEND MAGRUDER STRUCTURE

DESIGNED	— EW	REVISED	—
DRAWN	— JG	REVISED	—
CHECKED	— JG	REVISED	—
DATE	— 08/15/11	REVISED	—

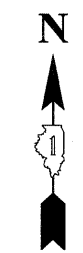
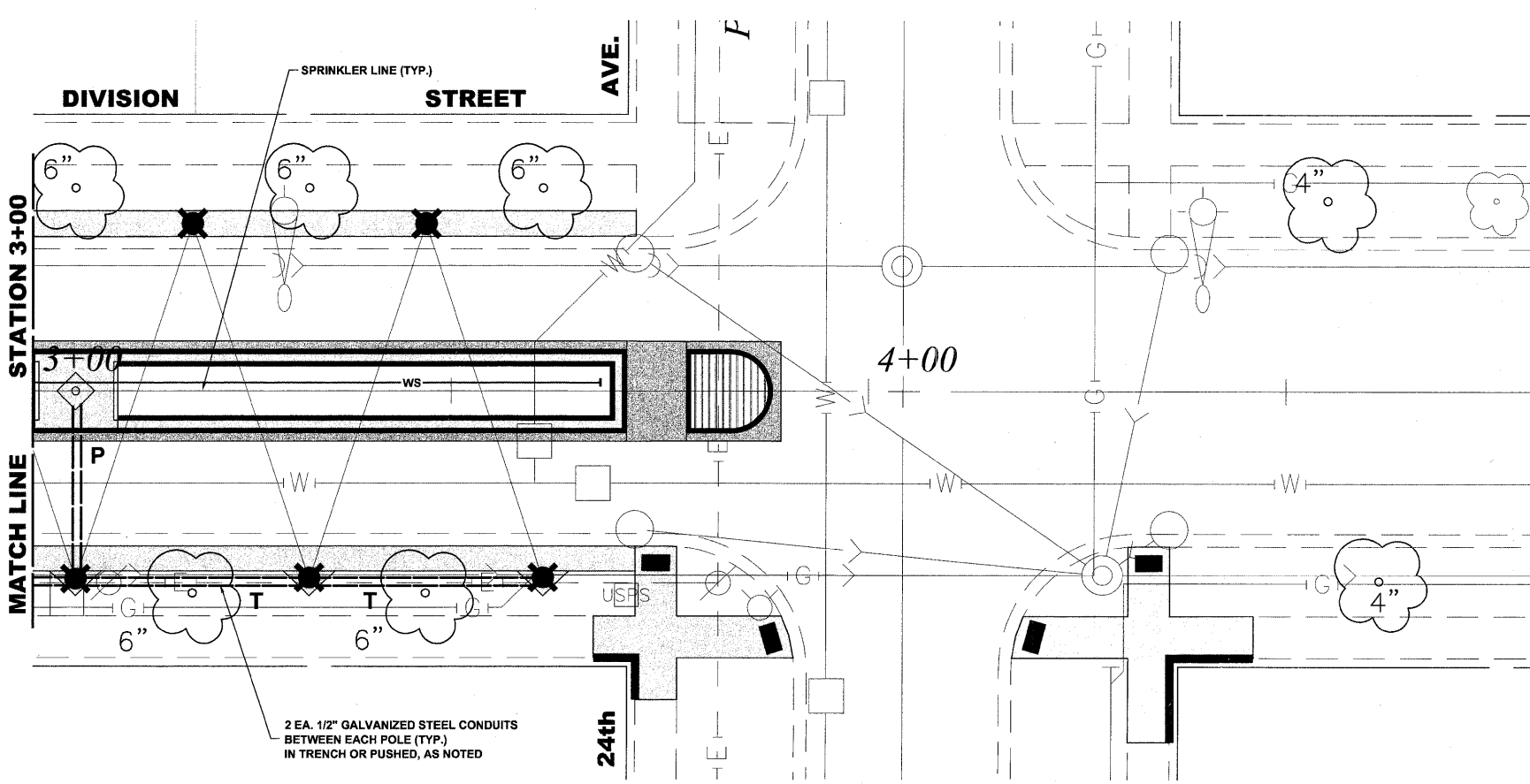
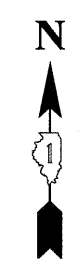
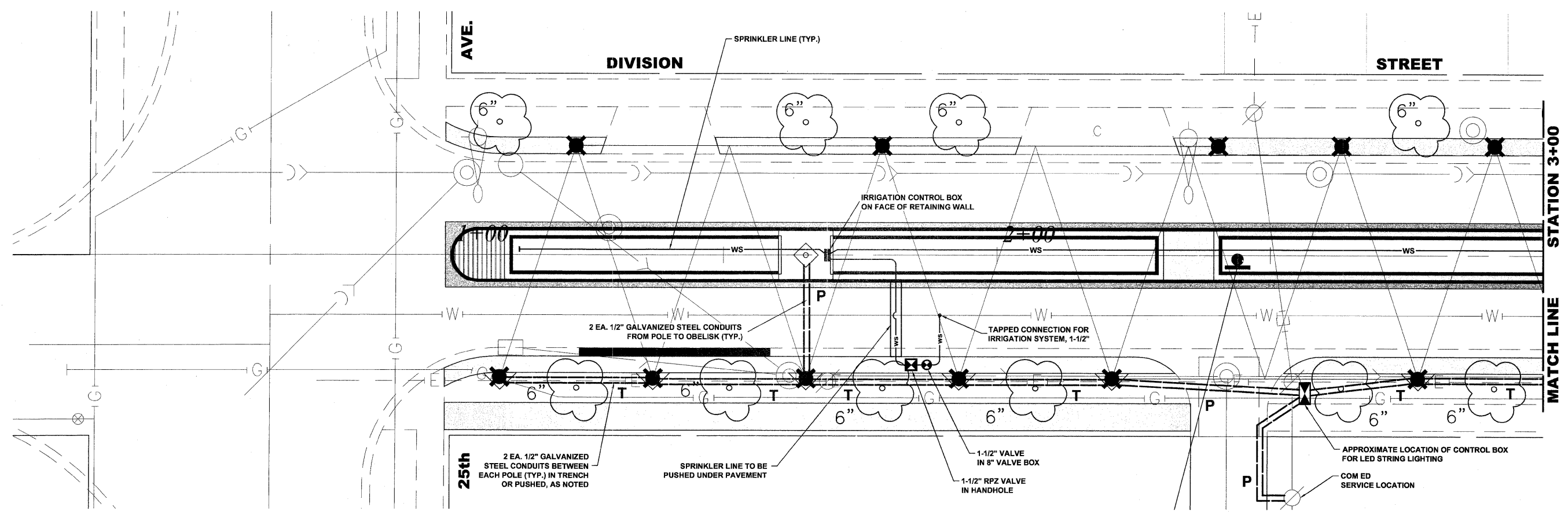
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Custom Steel Bollard

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	26
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 63654		
		FED. AID PROJECT M-TE-0001(0225)		

EHE PROJECT NO. 600-11-04602



LEGEND

SYMBOL	DESCRIPTION
T	2 EACH 1/2" GALVANIZED STEEL CONDUITS ** IN TRENCH
P	2 EACH 1/2" GALVANIZED STEEL CONDUITS ** PUSHED

** NOTE:
 1 CONDUIT WITH 3-1/C NO. 10 WIRES FOR POWER, AND
 1 CONDUIT WITH COMMUNICATION CABLE FOR CONTROL

Drawing file: W:\Projects\60011046 - Division Street REP\DivisionStreet.dwg Nov 10, 2011 10:21am

HANCOCK ENGINEERING

- Civil Engineers
- Municipal Consultants
- Established 1911

9533 Roosevelt Road
 Wheaton, Illinois 60154-2780
 Phone: 708/965-0290
 Fax: 708/965-1312

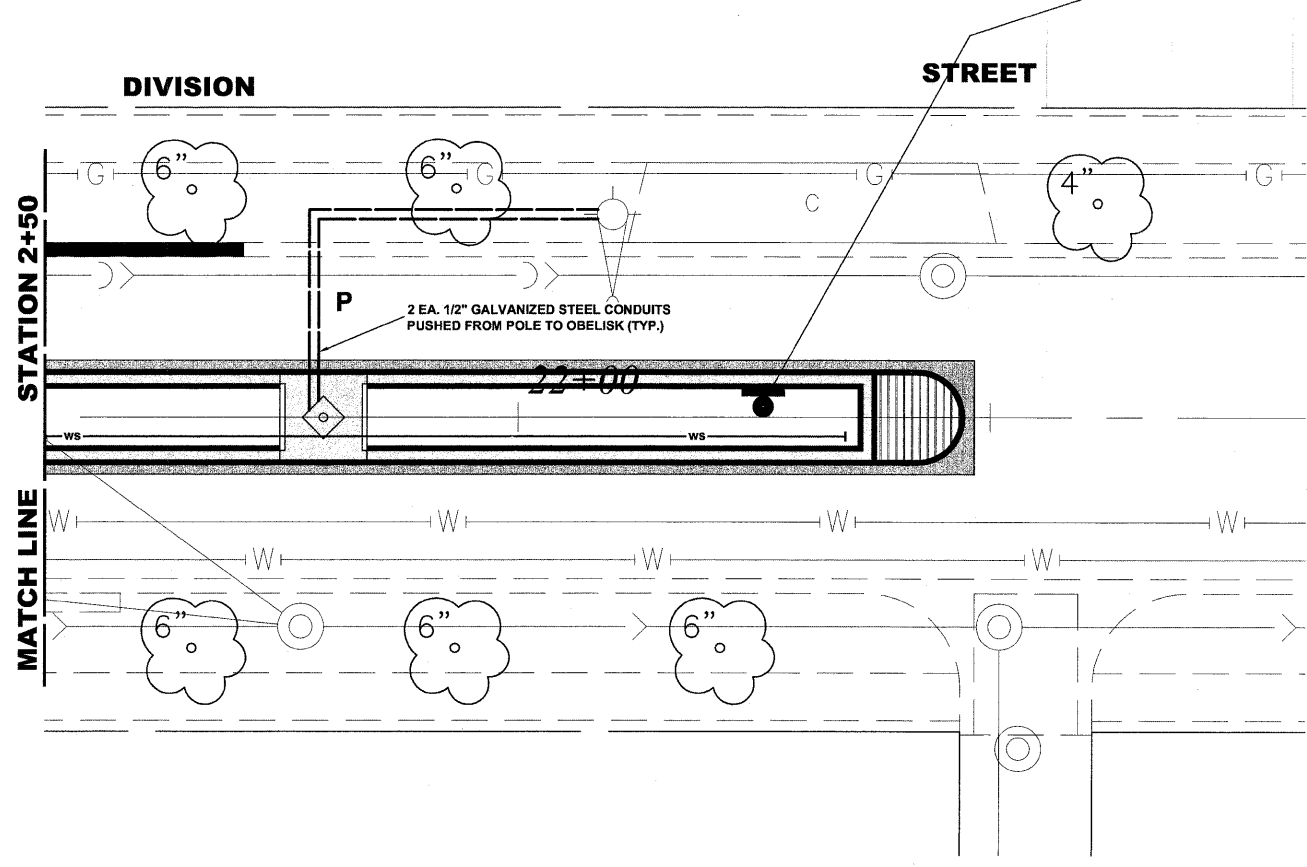
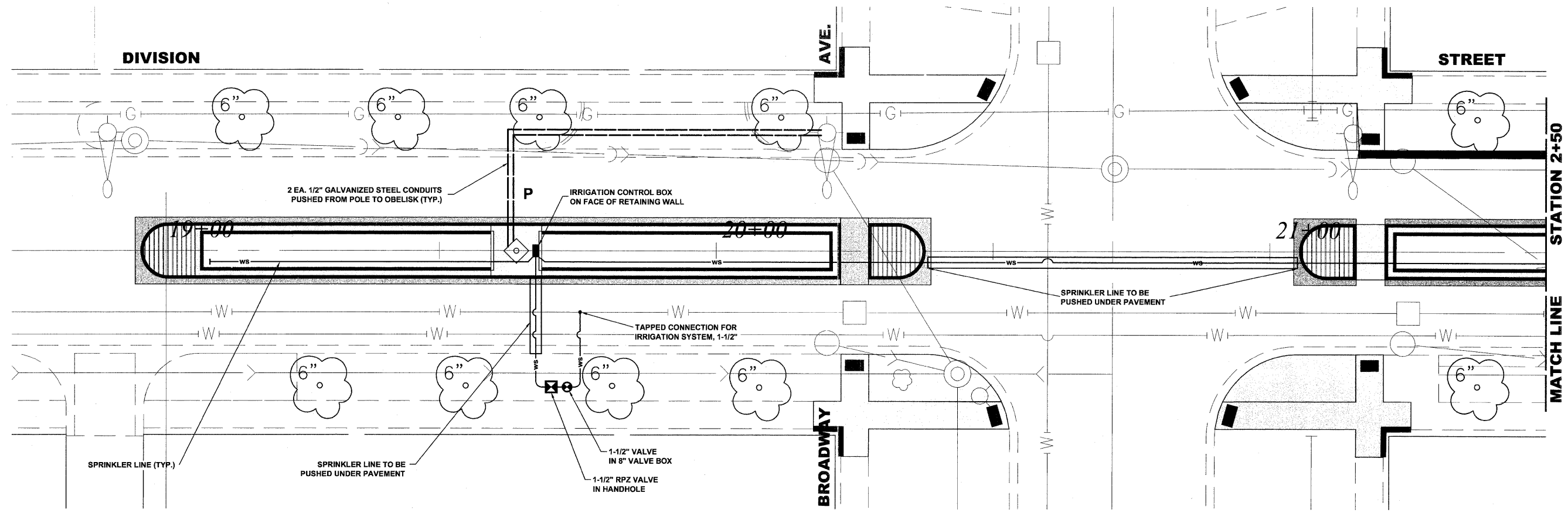
DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LED POWER AND CONTROL PLAN,
 IRRIGATION PLAN
 25TH AVENUE**

SCALE: 1" = 10' SHEET NO. 1 OF 4 SHEETS STA. 1+00 TO STA. 4+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	27
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-0001(825)			EHE PROJECT NO. 600-11-04602	



LEGEND

SYMBOL	DESCRIPTION
T	2 EACH 1/2" GALVANIZED STEEL CONDUITS ** IN TRENCH
P	2 EACH 1/2" GALVANIZED STEEL CONDUITS ** PUSHED

** NOTE:
 1 CONDUIT WITH 3-1/C NO. 10 WIRES FOR POWER, AND
 1 CONDUIT WITH COMMUNICATION CABLE FOR CONTROL

Drawing file: W:\Projects\60011046 - Division Street IEP\DivisionStreet.dwg Nov 10, 2011 - 10:21am



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9533 Roosevelt Road
 Westchester, Illinois 60154-2780
 Phone: 708/965-0390
 Fax: 708/965-1313

DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

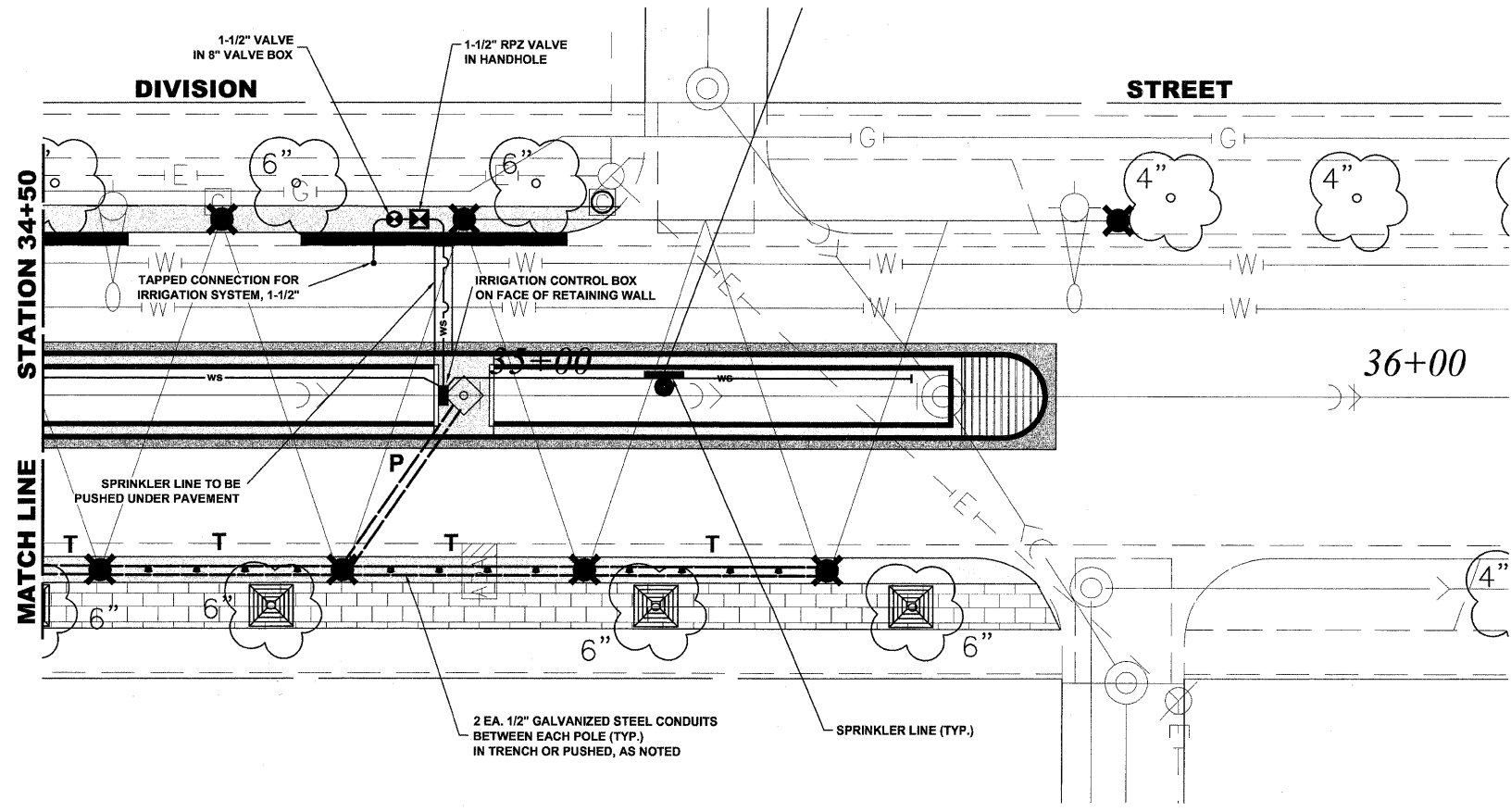
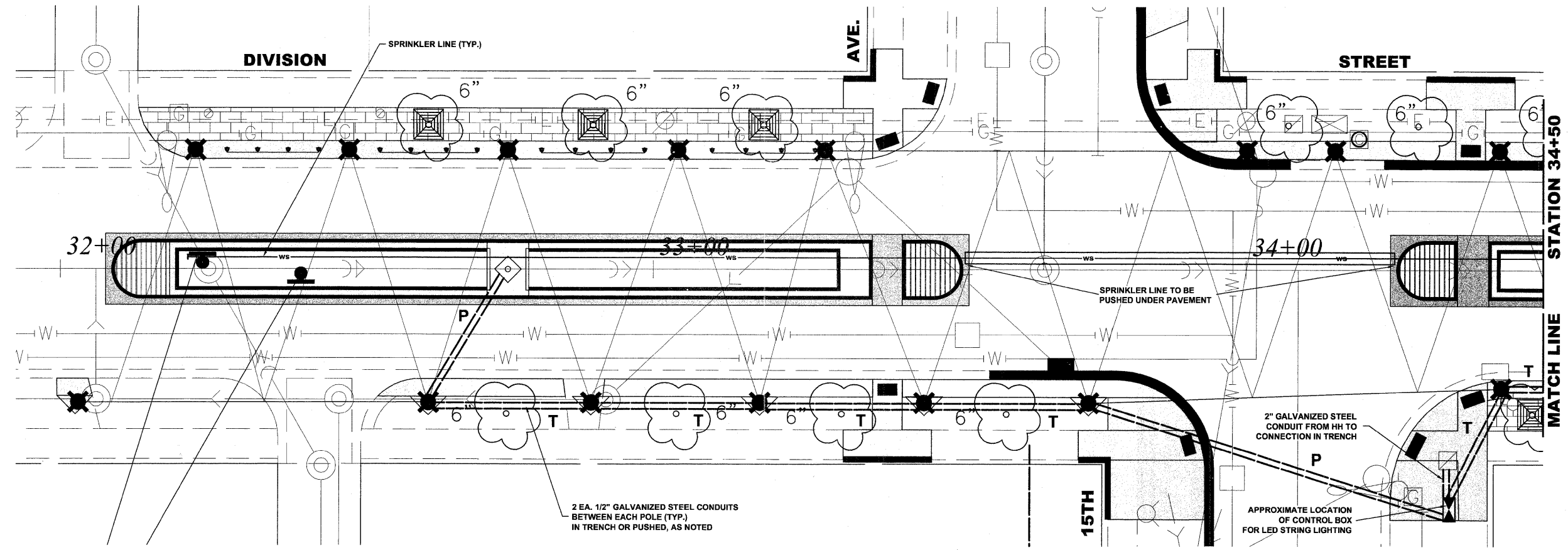
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LED POWER AND CONTROL PLAN,
IRRIGATION PLAN
BROADWAY AVENUE

SCALE: 1" = 10'
 SHEET NO. 2 OF 4 SHEETS
 STA. 18+70 TO STA. 22+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	28
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63854	
FED. AID PROJECT M-TE-001(825)				

EHE PROJECT NO. 600-11-04602



LEGEND

SYMBOL	DESCRIPTION
T	2 EACH 1/2" GALVANIZED STEEL CONDUITS ** IN TRENCH
P	2 EACH 1/2" GALVANIZED STEEL CONDUITS ** PUSHED

** NOTE:
 1 CONDUIT WITH 3-1/C NO. 10 WIRES FOR POWER, AND
 1 CONDUIT WITH COMMUNICATION CABLE FOR CONTROL

Drawing file: W:\Projects\00011046 - Division Street ITP\DivisionStreet.dwg Nov 10, 2011 - 10:21am



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9533 Roosevelt Road
 Woodstock, Illinois 61151-2786
 Phone: 708/965-0390
 Fax: 708/965-1313

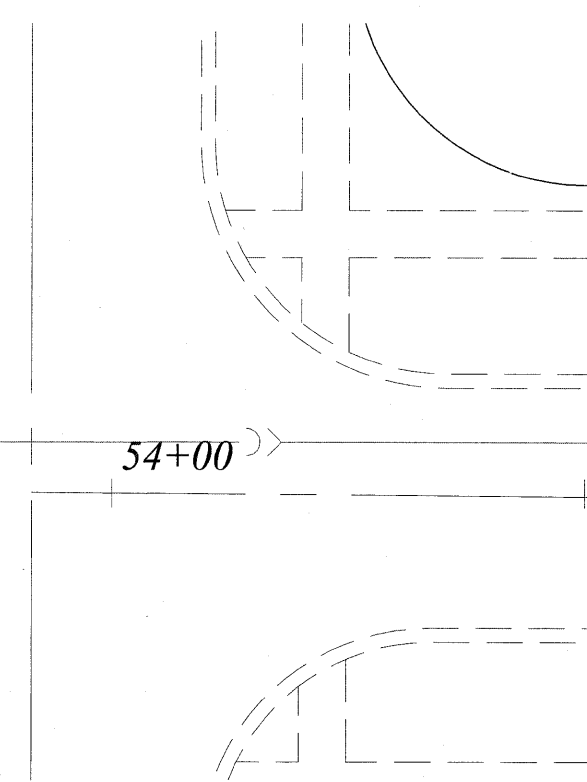
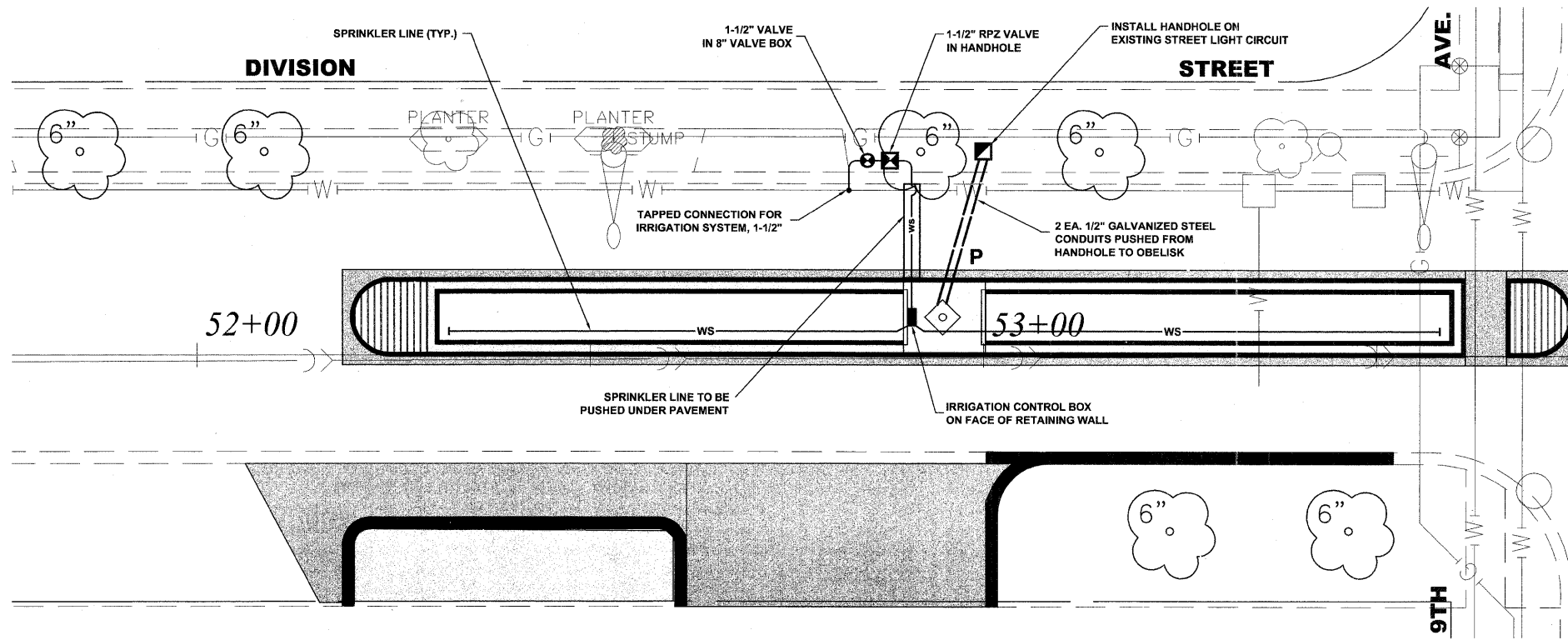
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DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LED POWER AND CONTROL PLAN,
IRRIGATION PLAN
15TH AVENUE

SCALE: 1" = 10'
 SHEET NO. 3 OF 4 SHEETS
 STA. 31+92 TO STA. 36+18

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	29
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
EHE PROJECT NO. 600-11-04602				



LEGEND

SYMBOL	DESCRIPTION
T	2 EACH 1/2" GALVANIZED STEEL CONDUITS ** IN TRENCH
P	2 EACH 1/2" GALVANIZED STEEL CONDUITS ** PUSHED

** NOTE:
 1 CONDUIT WITH 3-1/C NO. 10 WIRES FOR POWER, AND
 1 CONDUIT WITH COMMUNICATION CABLE FOR CONTROL

Drawing file: W:\Projects\60011046 - Division Street IIRP\DivisionSteel.dwg Nov 10, 2011 - 10:21am

HANCOCK ENGINEERING

- ◆ Civil Engineers
- ◆ Municipal Consultants
- ◆ Established 1911

9933 Rosevelt Road
 Worthen, Illinois 60154-2789
 Phone: 708/965-0999
 Fax: 708/965-1212

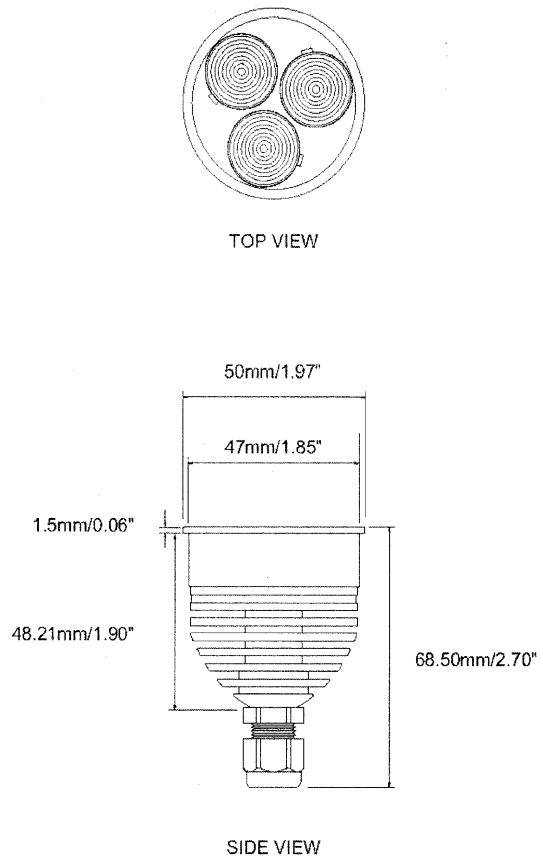
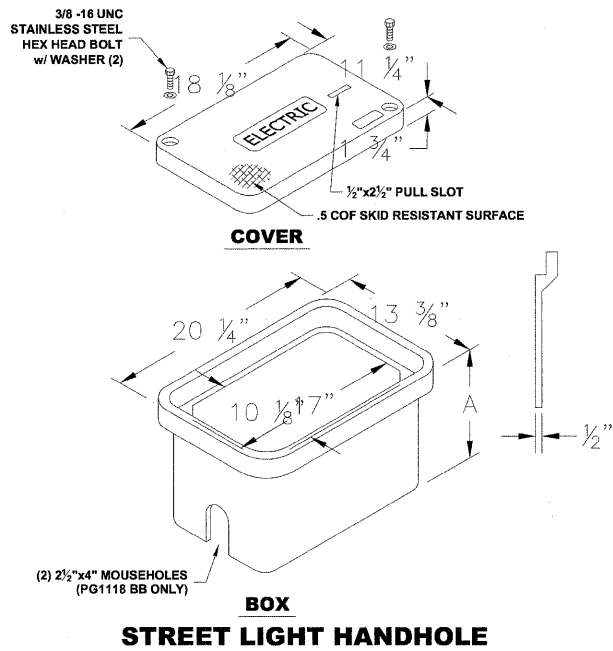
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DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LED POWER AND CONTROL PLAN,
 IRRIGATION PLAN
 9TH AVENUE**

SCALE: 1" = 10' SHEET NO. 4 OF 4 SHEETS STA. 51+75 TO STA. 54+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	30
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
			FED. AID PROJECT M-TE-001(825)	
EHE PROJECT NO. 600-11-04602				



PRODUCT SPECIFICATIONS

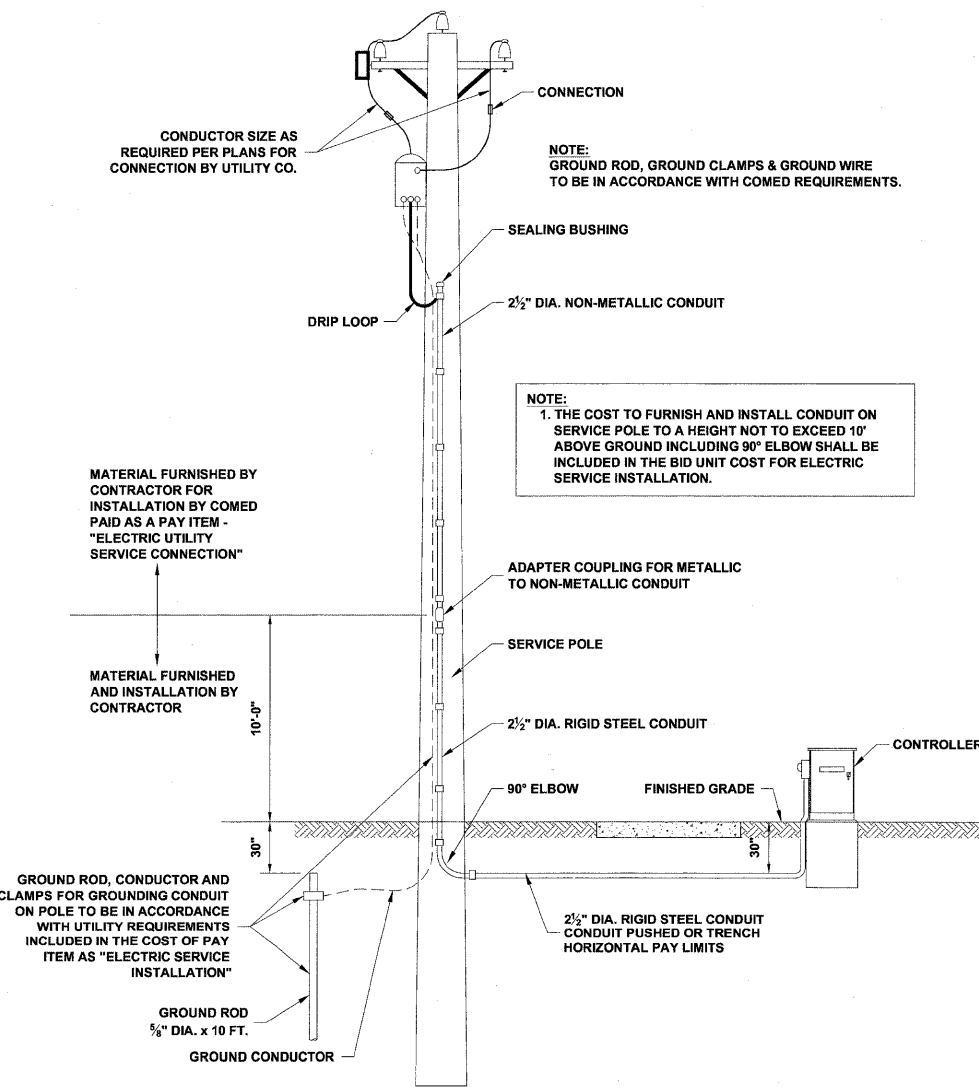
- **Light Source:** 3 High intensity power LEDs
- **Color Range:** 16.7 million additive RGB colors
- **Color Resolution:** 3 x 8-bit continuously variable intensity output range
- **Color Options:** RGB, red, green, blue, amber¹, cold white¹, warm white¹, dynamic white¹
- **Beam Angle:** 6°, 16°, 25°
- **Cover Lens:** None
- **Housing:** Aluminum extrusion
- **Adjustment Options:** MR16 mounting
- **Size:** 68.5mm/2.70" (Height), 50mm/1.97" (Diameter)
- **Weight:** 100g / 0.22lb
- **Regulatory Listing & Safety Approval:** CE
- **Temperature Range:** -20°C to +40°C / -4°F to +104°F (operating K2-700mA)
-20°C to +45°C / -4°F to +113°F (operating 1W/K2-350mA)
-20°C to +50°C / -4°F to +122°F (storage)
- **Environment:** Indoor
- **Humidity:** 85%, non-condensing

ELECTRICAL SPECIFICATIONS

- **Constant Current:** 350mA, 700mA DC (depending on LED type)
- **Power Consumption:** 3.4W/3.7W (1W), 3.4W/4.7W (K2-350mA), 7.6W/9W (K2-700mA) typ./max.

SYSTEM SPECIFICATIONS

- **Power/Data Interface:** TX CONNECT XB Indoor
- **Control:** DMX512 or standalone control by preset programs on LED Engine XB-SD
- **Power Supply:** LED Engine XB-SD



**PROPOSED SERVICE INSTALLATION
POLE TOP MOUNTED TRANSFORMER**

XB SPOT LIGHT

PRODUCT SPECIFICATIONS

- **Model:** DO-MA-7014200 - String RGB
- **Light Source:** 144 High Intensity Osram SMD Warm White LEDs on each string. Total up to 48 Dots on each string.
- **Lumens:** 4.8lm per dot
- **Luminance:** 450cd/m²
- **Color Range:** 16.7 Million additive RGB colors
- **Color Resolution:** 3 x 8-bit (RGB) per pixel
- **Viewing Angle:** 120°
- **Cover Lens:** Optional Plastic Globe
- **LED Pitch:** 814mm / 36"
- **Housing:** Thermoplastic Polyurethane Elastomer
- **Adjustment Options:** Flexible black cable
- **Size:** Ø 16mm x 17mm (H) / 0.63" x 0.67" (Dot)
- **Weight:** 450g/0.99lbs (per string), 1.5kg/3.3lbs (Distributor Box)
- **Regulatory Listing & Safety Approval:** ETL
- **Operating Temperature:** -20°C to 50°C (-4°F to 122°F)
- **Storage Temperature:** -40°C to 70°C (-40°F to 158°F)
- **Rating:** Outdoor (IP67 rated)
- **Humidity:** 0 to 90%

ELECTRICAL SPECIFICATIONS

- **Operating Voltage:** 48V DC
- **Power Consumption:** 100W max. (Distributor Box and 2 Strings)

SYSTEM SPECIFICATIONS

- **Power/Data Interface:** TX CONNECT
- **Control:** DMX or e-plx
- **Power Supply:** LED Engine 100W 48V
- **Addressing Options:** Auto-Addressing

NOTE:

ALL REFERENCE TO A PARTICULAR MANUFACTURER IS FOR GENERAL PURPOSES AND THAT AN ENGINEER APPROVED EQUAL IS ACCEPTABLE.

MEDIA DOT STRING LIGHT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LED LIGHTING DETAILS

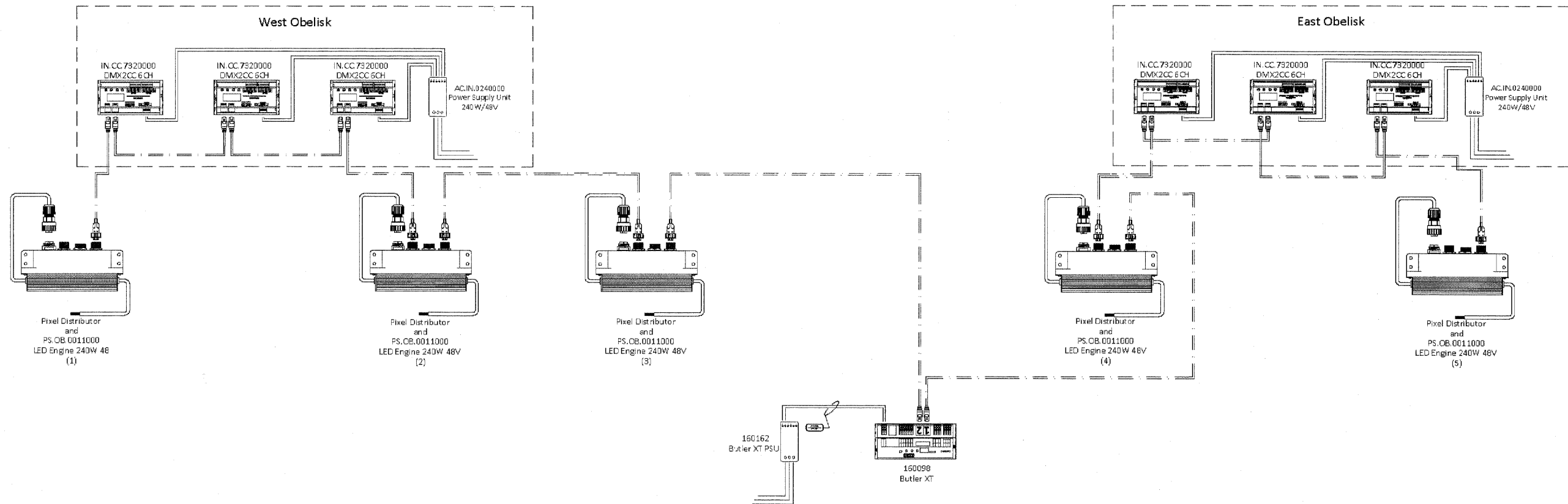
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	31
CONTRACT NO.			63654	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-TE-001(825)				

EHE PROJECT NO. 600-11-04602

HANCOCK ENGINEERING
 Civil Engineers
 Municipal Consultants
 Established 1911
 9933 Roosevelt Road
 Wheeling, Illinois 60154-2780
 Phone: 708/965-0290
 Fax: 708/965-1212

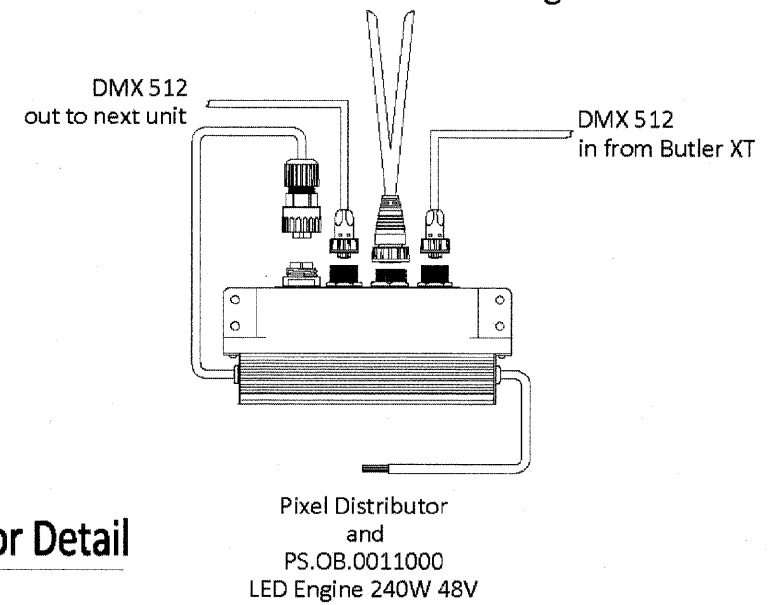
DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -



TX101 Sheet Notes:

1. System voltage range (100-240v AC).
2. All Cat5 data cable to be provided by others.
3. Maximum distance between Butler XT and first Pixel Distributor is not to exceed 100 meters.
4. Pixel Distributors to be Field-Addressable and configured for full resolution control.
5. Fixtures strings to be remotely mounted from Pixel Distributors. Leader cable length is 35'.
6. All Pixel Distributors and LED Engines to be located in base of Street Lighting Pole.
7. All DMX2CCs and power supplies to be located in base of Obelisk.
8. Butler XTs and DMX2CCs to be installed in Weather-Rated enclosures.
9. Fixtures should be handled with care in a static-free environment.
10. Wiring layout shown for wiring clarity. Actual layout may vary.

Out to Media Dot Strings



1 West Gateway Wiring Diagram
TX101 SCALE: NTS

2 Pixel Distributor Detail
TX101 SCALE: N.T.S.

NOTE:

ALL REFERENCE TO A PARTICULAR MANUFACTURER IS FOR GENERAL PURPOSES AND THAT AN ENGINEER APPROVED EQUAL IS ACCEPTABLE.

Drawing file: M:\Projects\60011046 - Division Street ITP\Wiring Diagrams.dwg Nov 10, 2011 - 10:32am

HANCOCK ENGINEERING
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Roosevelt Road
 Westchester, Illinois 60154-2780
 Phone: 708/965-4390
 Fax: 708/965-1312

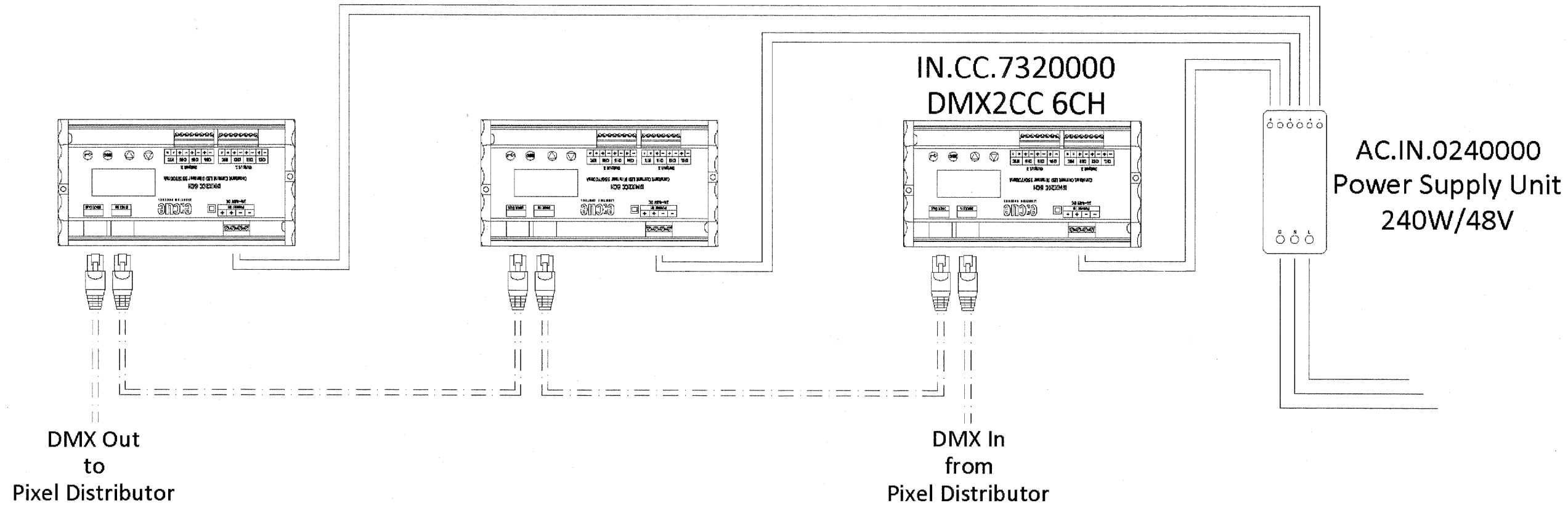
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DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIRING DIAGRAMS	
SCALE: NONE	SHEET NO. 1 OF 6 SHEETS
STA.	TO STA.

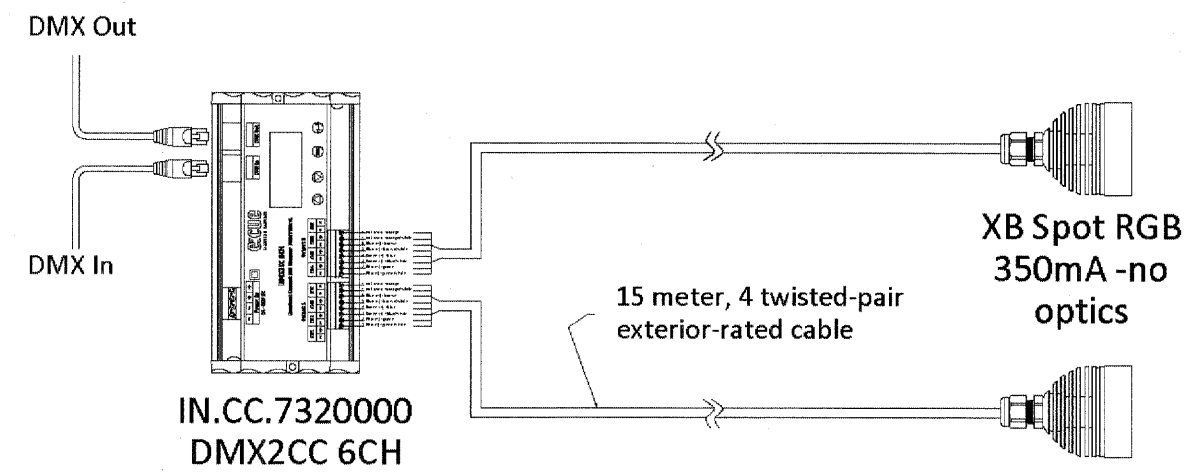
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	32
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-001(825)				
EHE PROJECT NO. 600-11-04602				

Drawing file: W:\Projects\60011046 - Division Street ITPA Wiring Diagrams.dwg Nov 10, 2011 - 10:31am



TX102 Sheet Notes:

1. System voltage range (100-240v AC).
2. All Cat5 data cable to be provided by others.
3. XB Spot Fixtures to be housed in weather-proof enclosed fixture. Fixture and globe tbd.
4. Maximum distance between Butler XT and DMX2CC is not to exceed 100 meters.
5. Leader cable on XB-Spot Fixtures to be 15 meters.
6. All DMX2CCs and power supplies to be located in base of Obelisk.
7. Butler XTs and DMX2CCs to be installed in Weather-Rated enclosures.
8. Fixtures should be handled with care in a static-free environment.
9. Wiring layout shown for wiring clarity. Actual layout may vary.



1 West Gateway Obelisk Wiring Diagram
TX102 SCALE: NTS

2 DMX2CC Fixture Connection Detail
TX102 SCALE: N.T.S.

NOTE:
ALL REFERENCE TO A PARTICULAR MANUFACTURER IS FOR GENERAL PURPOSES AND THAT AN ENGINEER APPROVED EQUAL IS ACCEPTABLE.

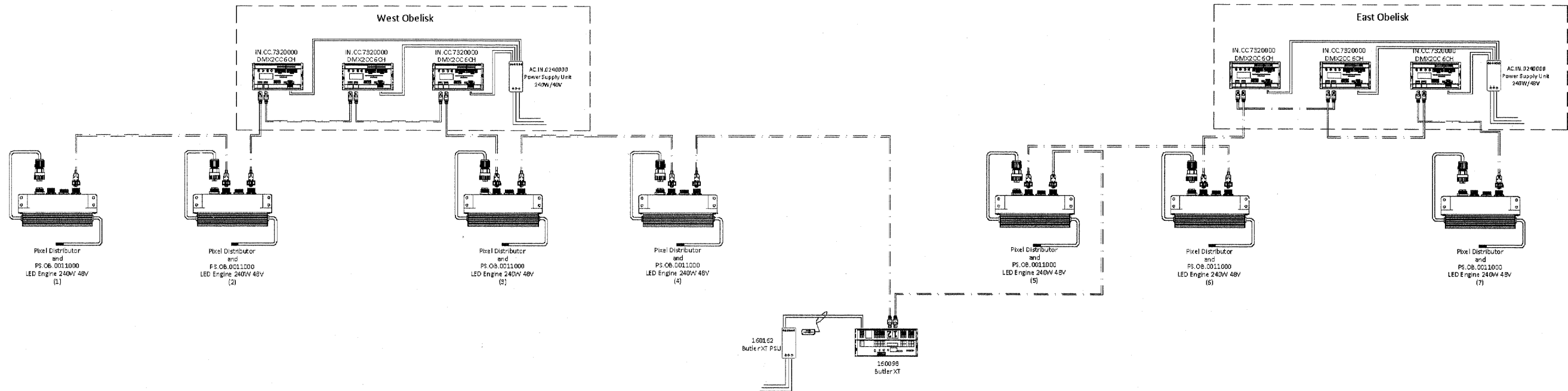
HANCOCK ENGINEERING
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 9533 Roosevelt Road
 Westchester, Illinois 60154-2780
 Phone: 708/965-4390
 Fax: 708/965-4312

DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

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DEPARTMENT OF TRANSPORTATION**

WIRING DIAGRAMS
 SCALE: NONE SHEET NO. 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	33
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-00D1(825)			EHE PROJECT NO. 600-11-04602	

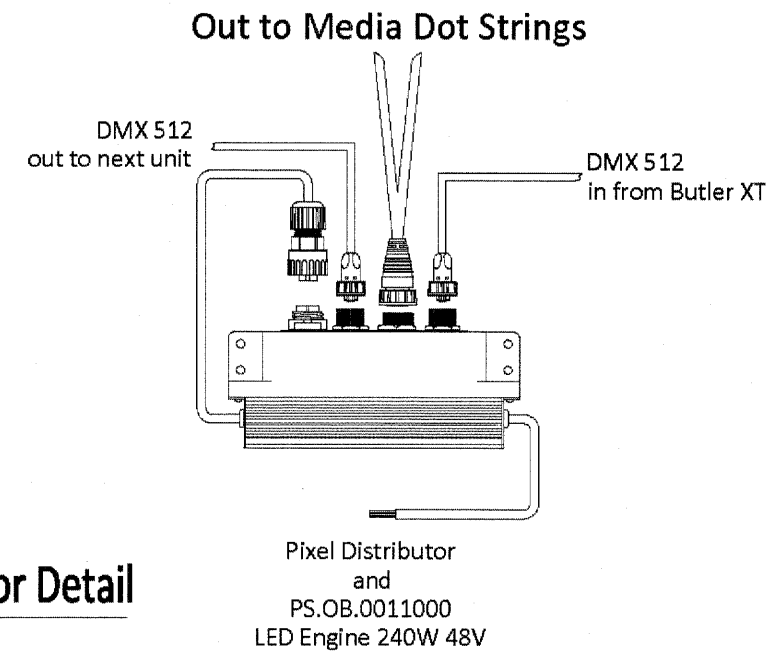


TX103 Sheet Notes:

1. System voltage range (100-240v AC).
2. All Cat5 data cable to be provided by others.
3. Maximum distance between Butler XT and first Pixel Distributor is not to exceed 100 meters.
4. Pixel Distributors to be Field-Addressable and configured for full resolution control.
5. Fixtures strings to be remotely mounted from Pixel Distributors. Leader cable length is 35'.
6. All Pixel Distributors and LED Engines to be located in base of Street Lighting Pole.
7. All DMX2CCs and power supplies to be located in base of Obelisk.
8. Butler XTs and DMX2CCs to be installed in Weather-Rated enclosures.
9. Fixtures should be handled with care in a static-free environment.
10. Wiring layout shown for wiring clarity. Actual layout may vary.

1 Central Node Wiring Diagram
TX103 SCALE: NTS

2 Pixel Distributor Detail
TX103 SCALE: N.T.S.



NOTE:

ALL REFERENCE TO A PARTICULAR MANUFACTURER IS FOR GENERAL PURPOSES AND THAT AN ENGINEER APPROVED EQUAL IS ACCEPTABLE.

Drawing file: W:\Projects\60011046 - Division Street ITEA Wiring Diagrams.dwg Nov 10, 2011 - 10:32am



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9933 Renwick Road
Waukegan, Illinois 60154-2780
Phone: 708/965-4390
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DESIGNED — ELS	REVISED —
DRAWN — MK, DMM	REVISED —
CHECKED — ELS	REVISED —
DATE — 11-02-11	REVISED —

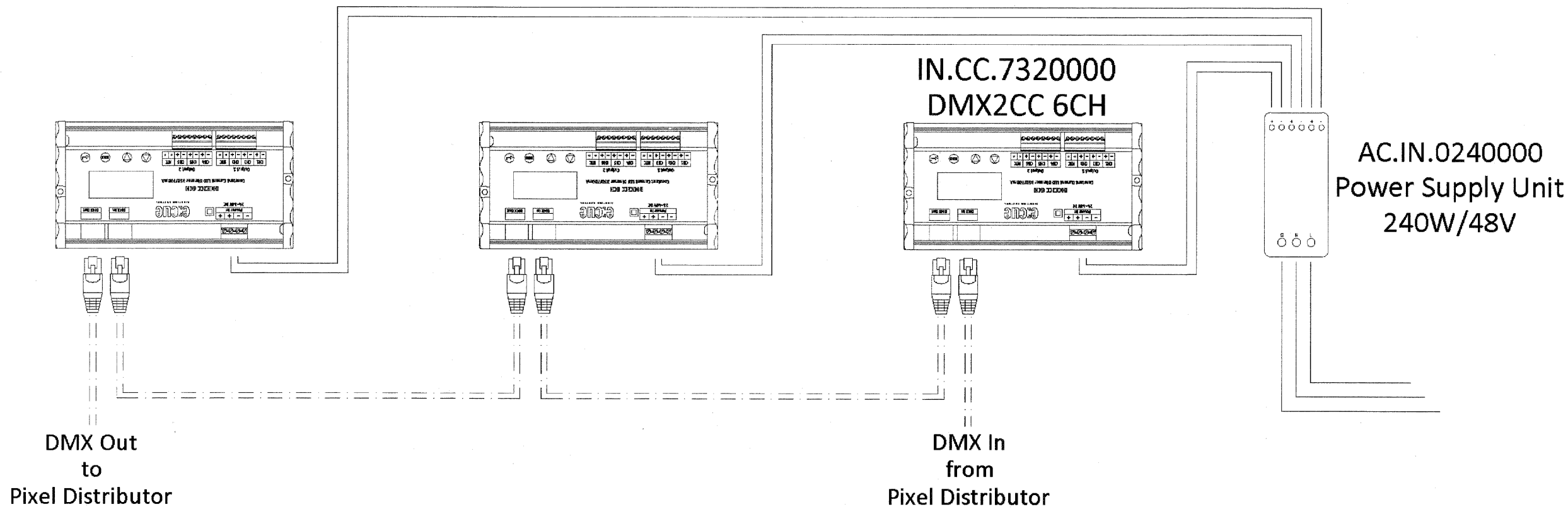
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIRING DIAGRAMS

SCALE: NONE SHEET NO. 3 OF 6 SHEETS STA. TO STA.

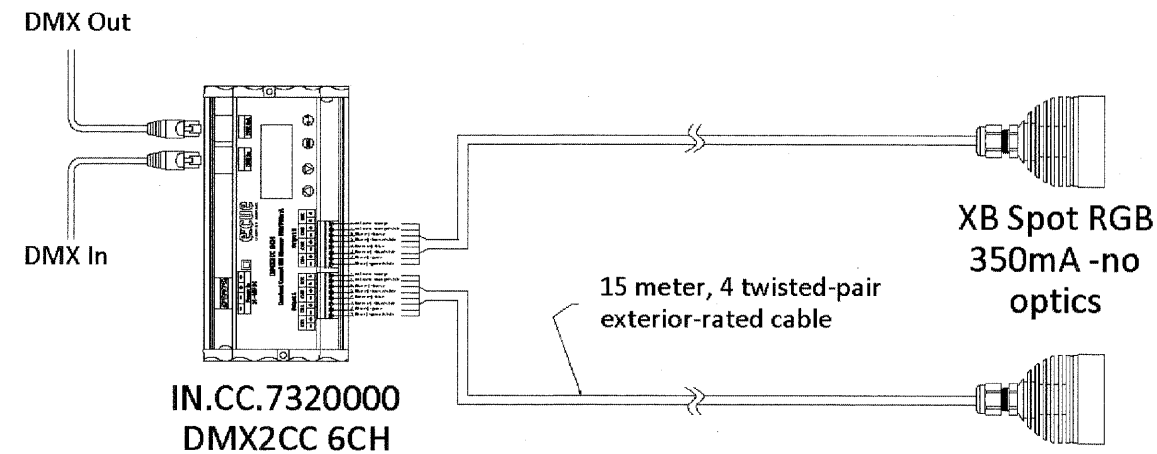
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	34

CONTRACT NO. 63654
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-TE-001(825)



TX104 Sheet Notes:

1. System voltage range (100-240v AC).
2. All Cat5 data cable to be provided by others.
3. XB Spot Fixtures to be housed in weather-proof enclosed fixture. Fixture and globe tbd.
4. Maximum distance between Butler XT and DMX2CC is not to exceed 100 meters.
5. Leader cable on XB-Spot Fixtures to be 15 meters.
6. All DMX2CCs and power supplies to be located in base of Obelisk.
7. Butler XTs and DMX2CCs to be installed in Weather-Rated enclosures.
8. Fixtures should be handled with care in a static-free environment.
9. Wiring layout shown for wiring clarity. Actual layout may vary.



1 Central Node Obelisk Wiring Diagram
TX104 SCALE: NTS

2 DMX2CC Fixture Connection Detail
TX104 SCALE: N.T.S.

NOTE:

ALL REFERENCE TO A PARTICULAR MANUFACTURER IS FOR GENERAL PURPOSES AND THAT AN ENGINEER APPROVED EQUAL IS ACCEPTABLE.

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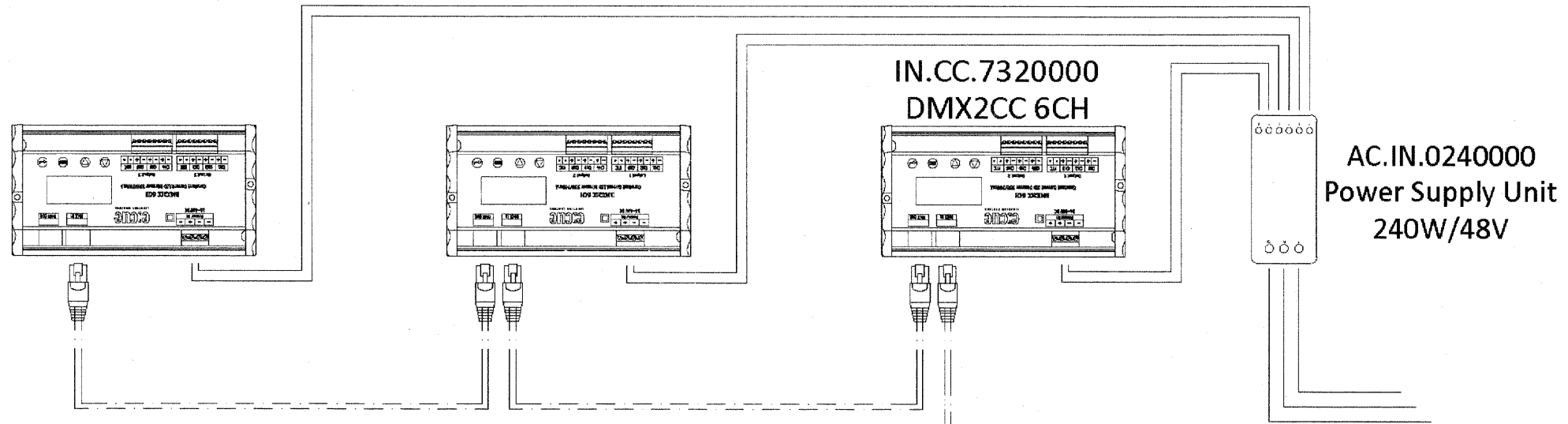
HANCOCK ENGINEERING
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 ♦ Municipal Consultants
 ♦ Established 1911
 9533 Roosevelt Road
 Woodstock, Illinois 60154-2780
 Phone: 708/965-4390
 Fax: 708/965-2312

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DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

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DEPARTMENT OF TRANSPORTATION**

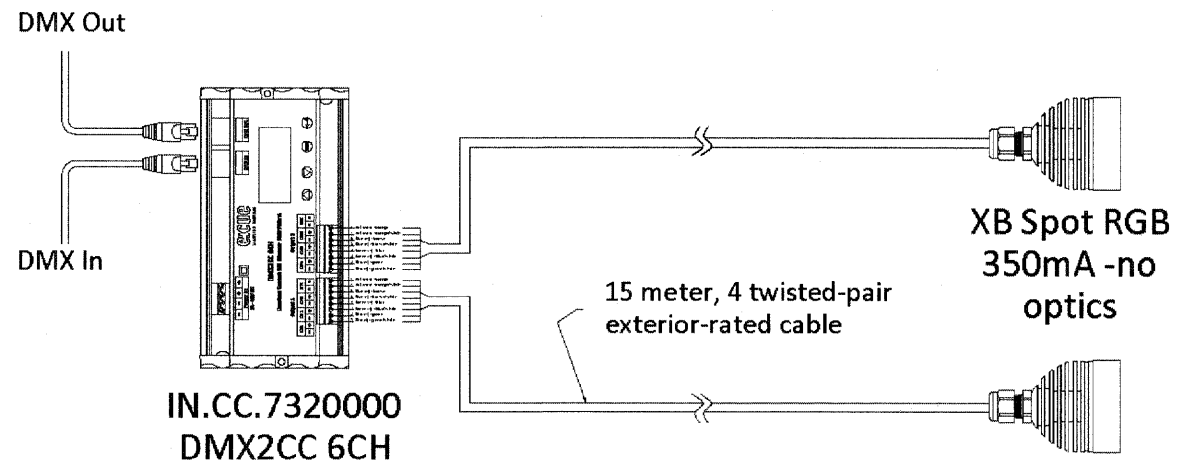
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 SCALE: NONE SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	35
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-TE-00D1(825)			CONTRACT NO. 63654	



TX105 Sheet Notes:

1. System voltage range (100-240v AC).
2. All Cat5 data cable to be provided by others.
3. XB Spot Fixtures to be housed in weather-proof enclosed fixture. Fixture and globe tbd.
4. Maximum distance between Butler XT and DMX2CC is not to exceed 100 meters.
5. Leader cable on XB-Spot Fixtures to be 15 meters.
6. All DMX2CCs and power supplies to be located in base of Obelisk.
7. Butler XTs and DMX2CCs to be installed in Weather-Rated enclosures.
8. Fixtures should be handled with care in a static-free environment.
9. Wiring layout shown for wiring clarity. Actual layout may vary.



1 East Gateway Obelisk Wiring Diagram
TX105 SCALE: NTS

2 DMX2CC Fixture Connection Detail
TX105 SCALE: N.T.S.

NOTE:

ALL REFERENCE TO A PARTICULAR MANUFACTURER IS FOR GENERAL PURPOSES AND THAT AN ENGINEER APPROVED EQUAL IS ACCEPTABLE.

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9533 Roosevelt Road
Westchester, Illinois 60154-2790
Phone: 708/965-4300
Fax: 708/965-2212

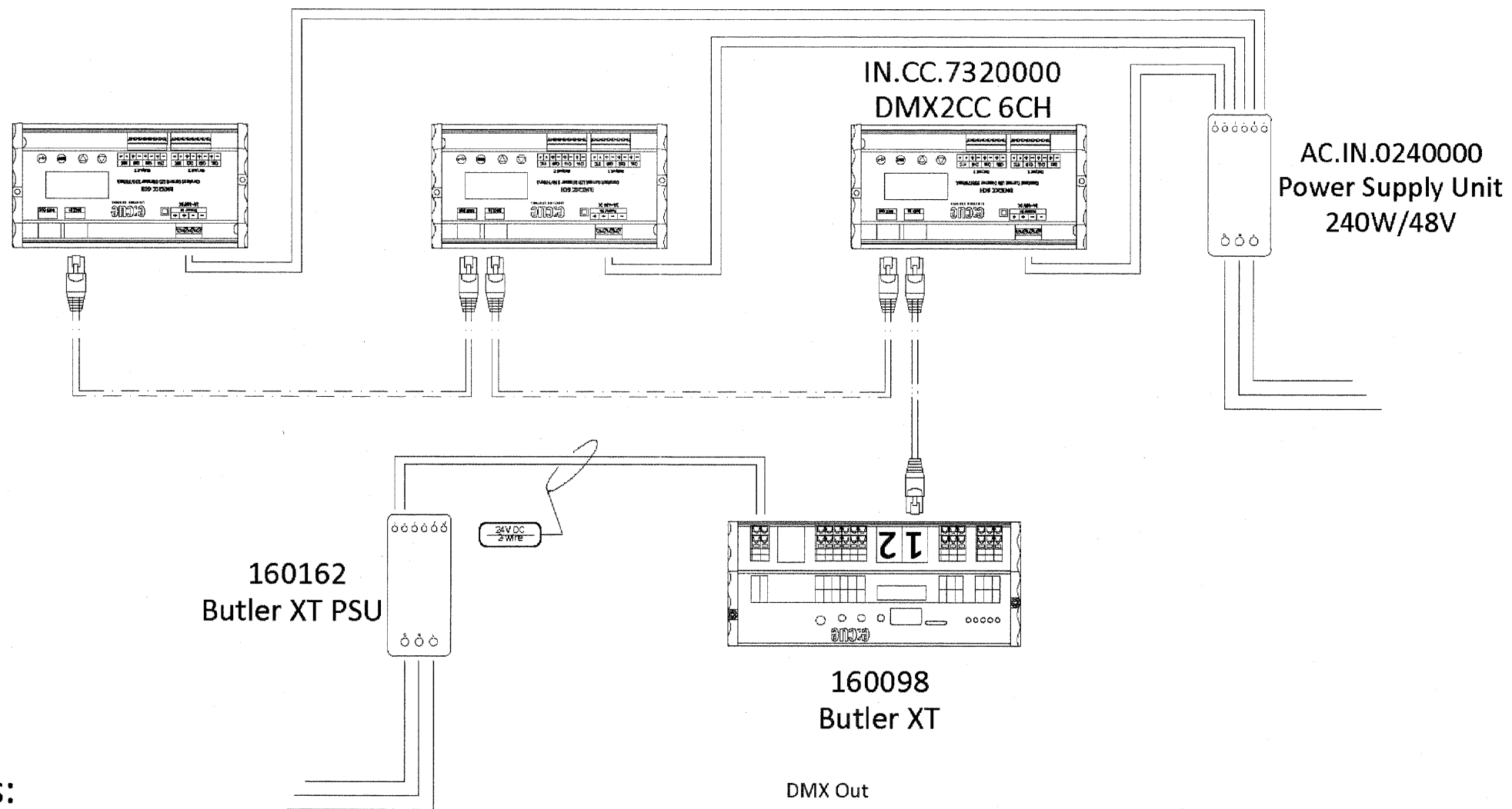
DESIGNED - ELS	REVISED -
DRAWN - MK, DMM	REVISED -
CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIRING DIAGRAMS

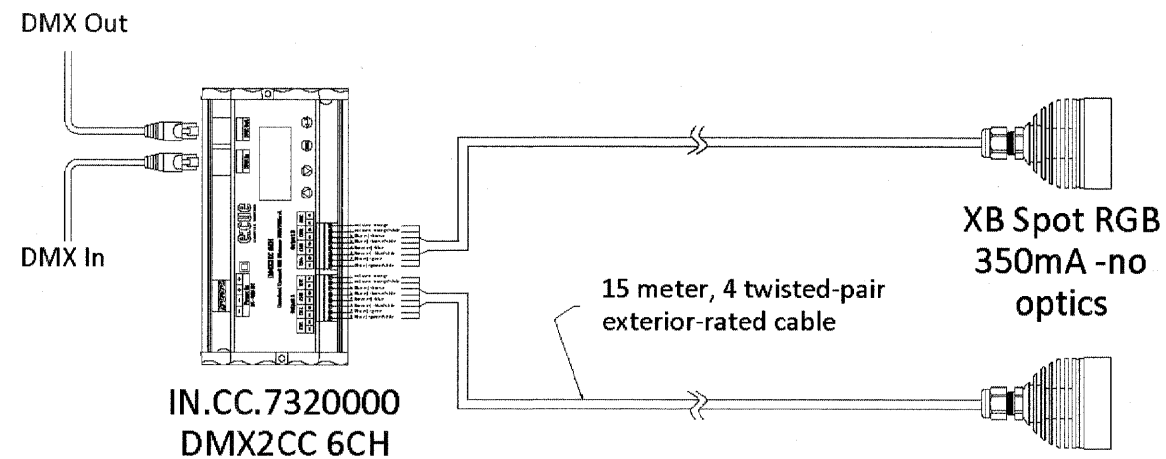
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F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	36
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63654	
FED. AID PROJECT M-TE-00D1(825)			EHE PROJECT NO. 600-11-04602	



TX106 Sheet Notes:

1. System voltage range (100-240v AC).
2. All Cat5 data cable to be provided by others.
3. XB Spot Fixtures to be housed in weather-proof enclosed fixture. Fixture and globe tbd.
4. Maximum distance between Butler XT and DMX2CC is not to exceed 100 meters.
5. Leader cable on XB-Spot Fixtures to be 15 meters.
6. All DMX2CCs and power supplies to be located in base of Obelisk.
7. Butler XTs and DMX2CCs to be installed in Weather-Rated enclosures.
8. Fixtures should be handled with care in a static-free environment.
9. 2 Obelisks exist at this location. Provide 1 complete typical set-up for each obelisk.
10. Wiring layout shown for wiring clarity. Actual layout may vary.



1 Broadway Avenue Obelisk Wiring Diagram
TX106 SCALE: NTS

2 DMX2CC Fixture Connection Detail
TX106 SCALE: N.T.S.

NOTE:

ALL REFERENCE TO A PARTICULAR MANUFACTURER IS FOR GENERAL PURPOSES AND THAT AN ENGINEER APPROVED EQUAL IS ACCEPTABLE.

Drawing file: M:\Projects\60011046 - Division Street IEP\Wiring Diagrams.dwg Nov 10, 2011 - 10:32am



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Waukegan, Illinois 60154-2780
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Fax: 708/965-2312

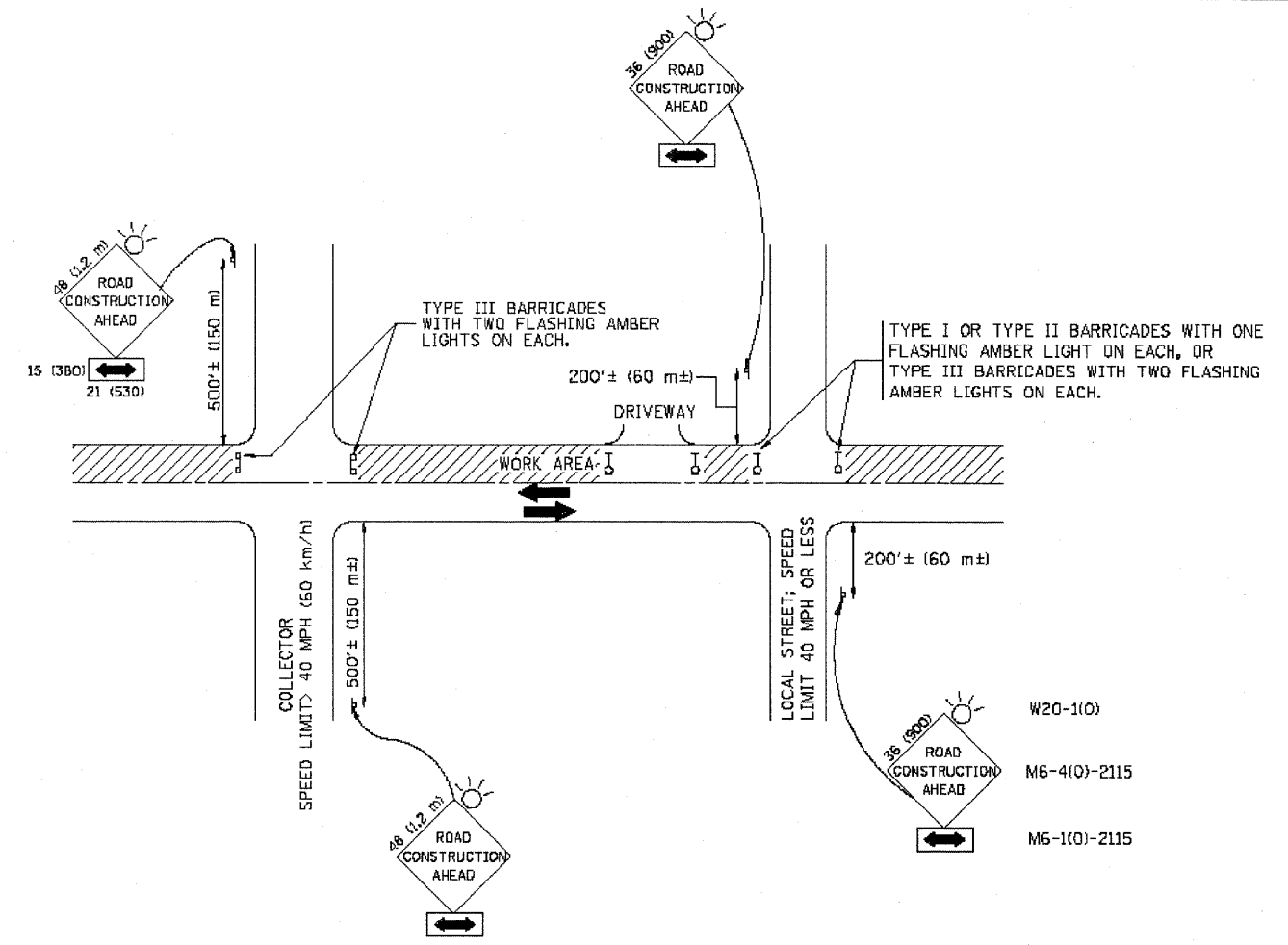
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CHECKED - ELS	REVISED -
DATE - 11-02-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIRING DIAGRAMS

SCALE: NONE SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1026	10-00116-00-SW	COOK	40	37
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-TE-00D1(825)			CONTRACT NO. 63654	



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).

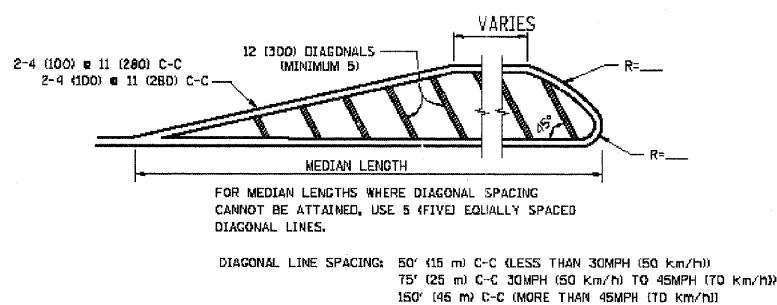
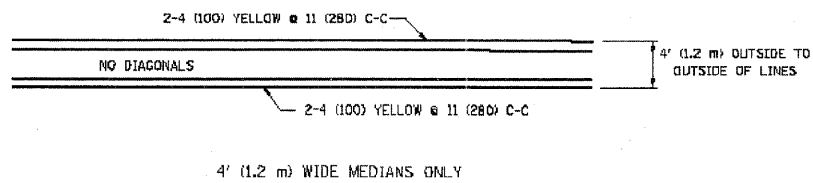
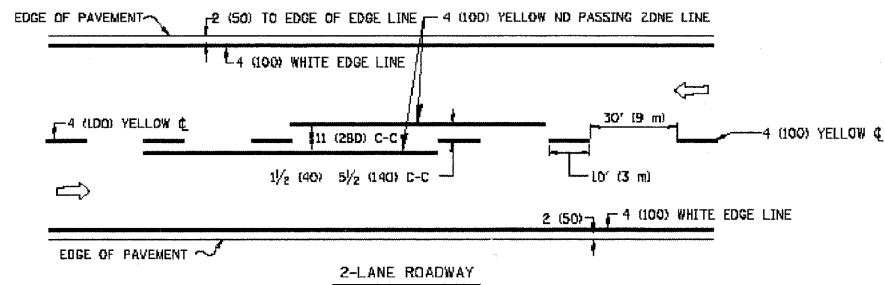
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

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.

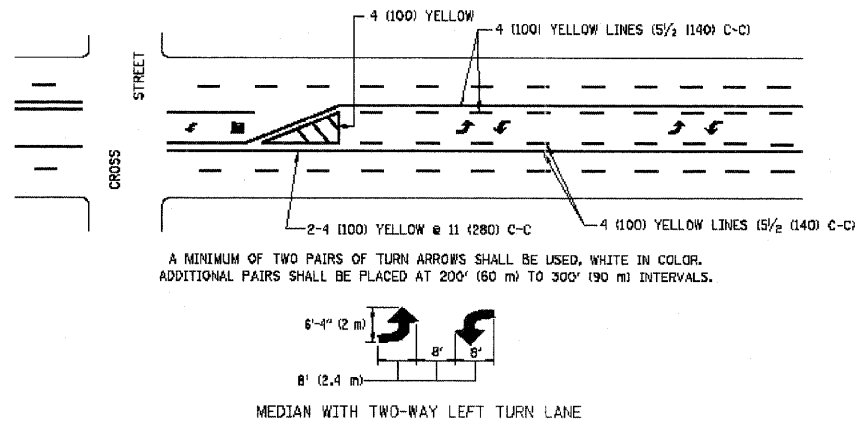
All dimensions are in millimeters (inches) unless otherwise shown.

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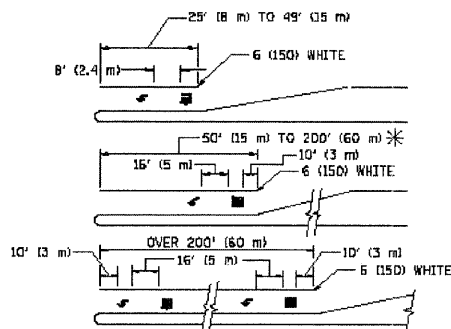
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	PLOT DATE = 1/4/2008	DATE - 05-89	REVISED - T. RAMMACHER 01-06-00		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-TE-00D1(825)							
E.H.E. PROJECT NO. 600-11-04602												



MEDIANS OVER 4' (1.2 m) WIDE



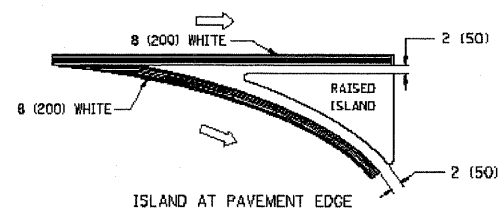
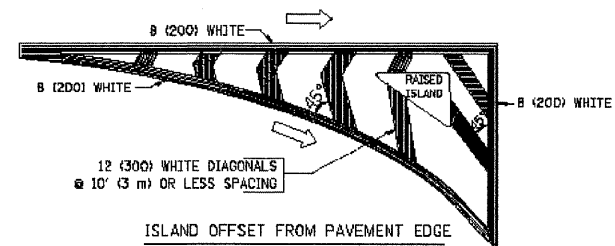
TYPICAL PAINTED MEDIAN MARKING



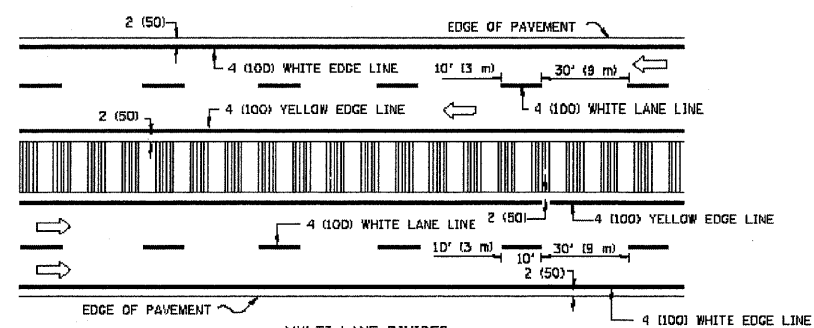
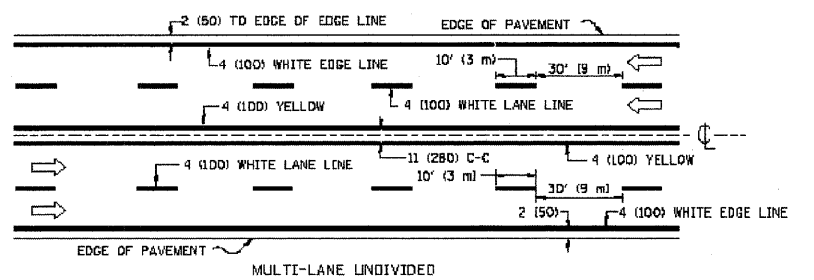
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * AREA = 15.6 SQ. FT. (1.5 m²) □ AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

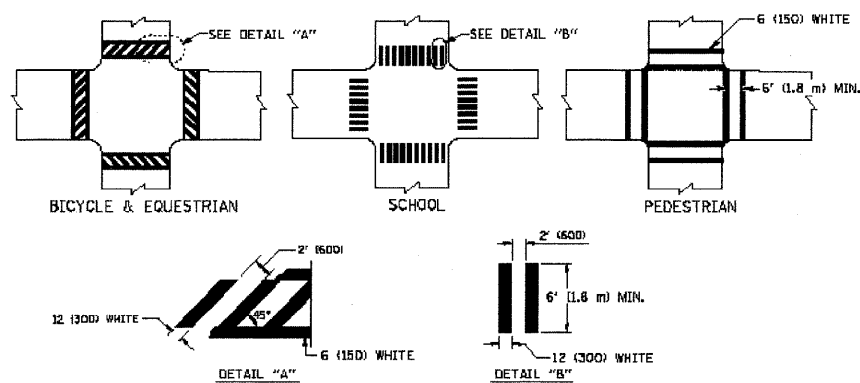


TYPICAL ISLAND MARKING



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

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK 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	5/4 (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 5/2 (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.
DIAGONAL 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 78000L 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' (23 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 78000L

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

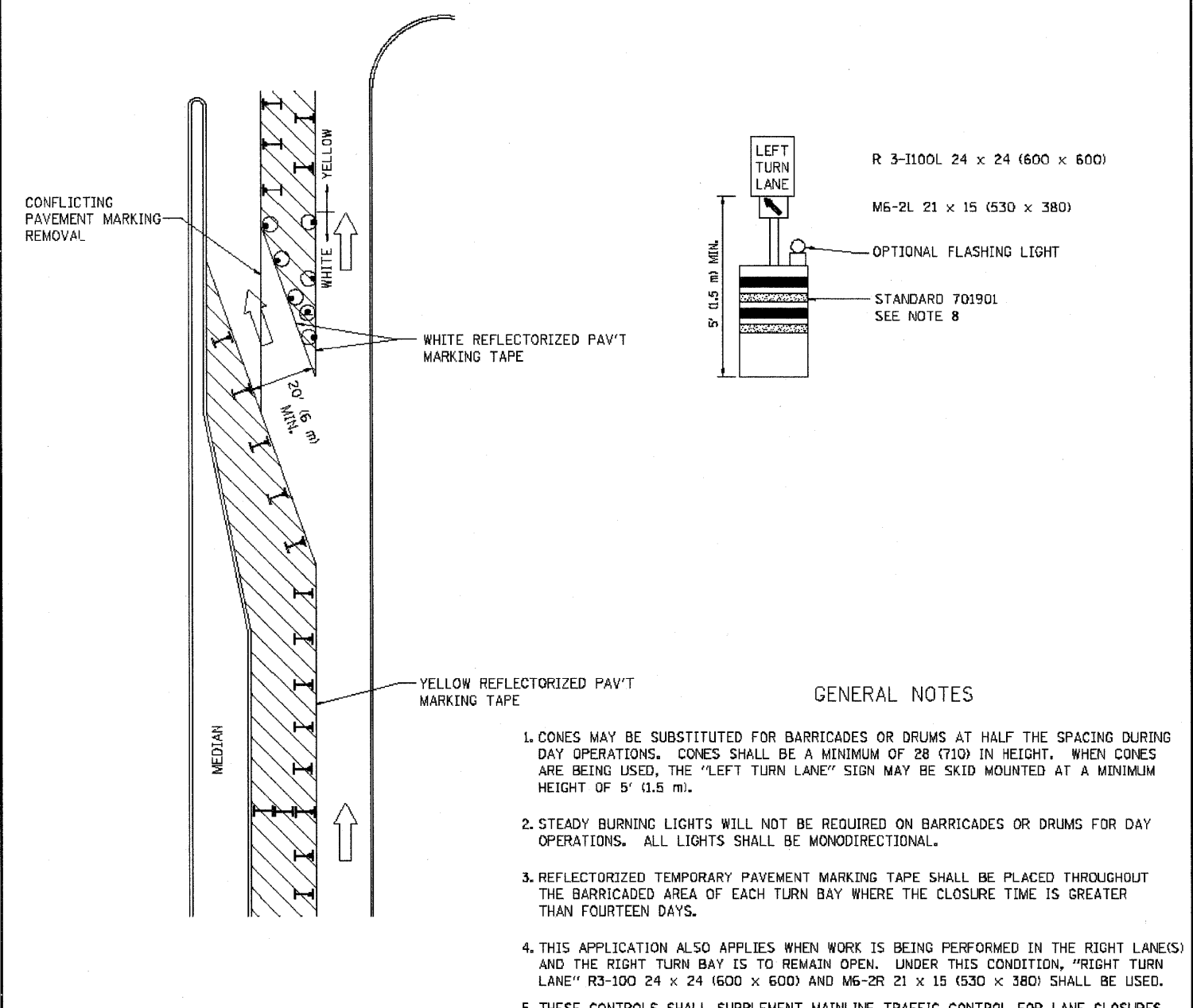
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE. 1026	SECTION 10-00116-00-SW	COUNTY COOK	TOTAL SHEETS 40	SHEET NO. 39
			TC-13		CONTRACT NO. 63654		
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-TE-00D1(825)				

Drawing file: W:\Projects\60011046 - Division Street IEP\DOT MARKINGS.dwg Nov 10, 2011 - 10:29am









GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME =	USER NAME = drsvrakcagn	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ar\pwwork\VP\DOT\DRIVAKOSGN\010831614.dgn	REVISED - A. HOUSEH 11-07-95	REVISED -	REVISED -		1026	10-00116-00-SW	COOK	40	40			
PLOT SCALE = 49.9999' / DL	REVISED - A. HOUSEH 10-12-96	REVISED -	REVISED -		TC-14			CONTRACT NO. 63654				
PLOT DATE = 9/14/2009	REVISED - T. RAMMACHER 01-06-00	REVISED -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-TE-00D1(825)				
E.H.E. PROJECT NO. 600-11-04602												