

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID PROJECT
FAU ROUTE 2763 (CANFIELD ROAD)
ROADWAY RECONSTRUCTION
MONTROSE AVENUE TO LAWRENCE AVENUE
SECTION NO. 10-00061-00-RS
PROJECT M-9003(752)
VILLAGE OF NORRIDGE
COOK COUNTY
JOB NO. C-91-230-11

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 2763	10-00061-00-RS	COOK	41	1
ILLINOIS PROJECT M-9003(752)				
CONTRACT NO. 63631				

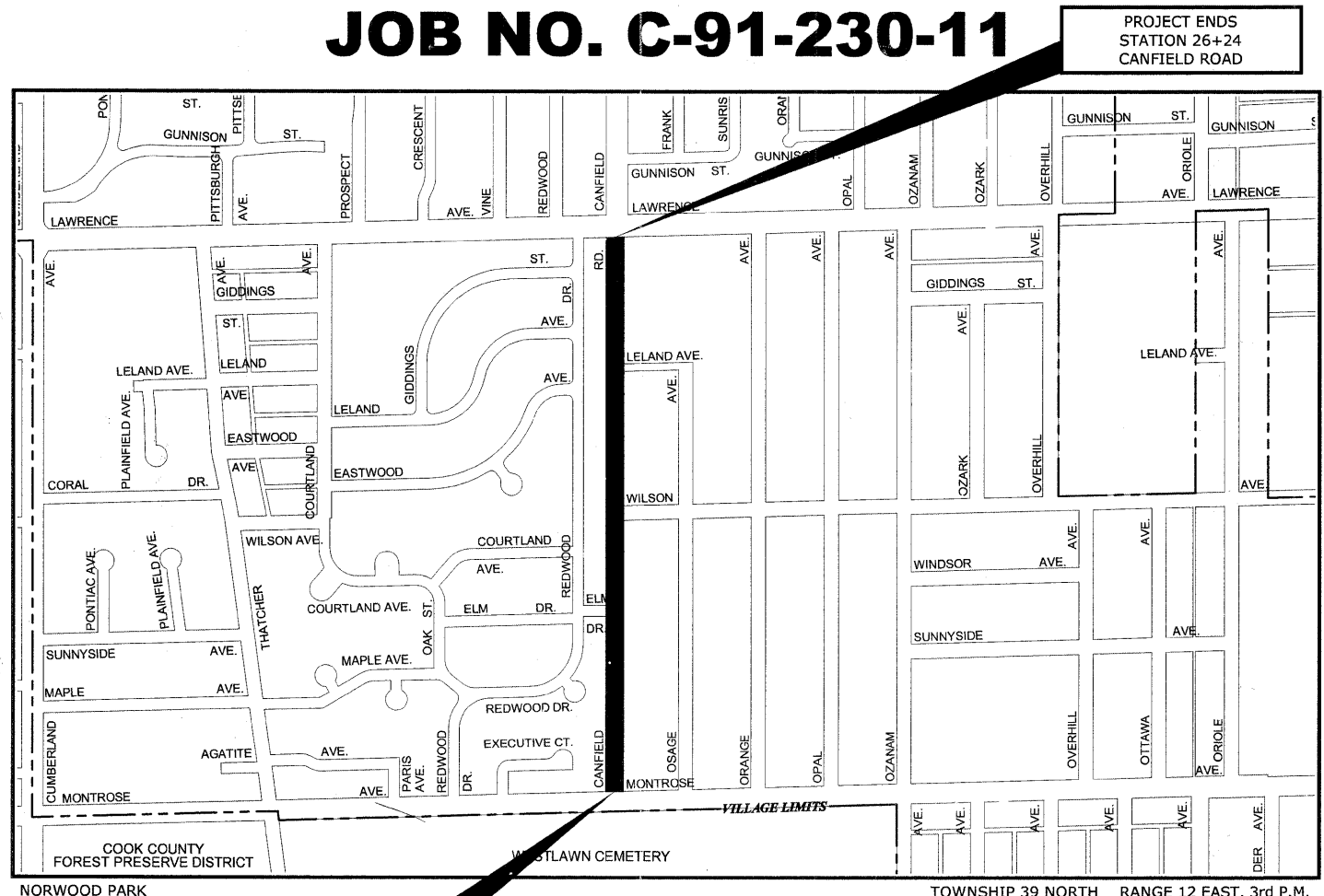


LOCATION OF SECTION INDICATED THUS:

TRAFFIC DATA
 ADT (2010) = 3,500
 POSTED SPEED LIMIT = 20 MPH
 DESIGN SPEED LIMIT = 25 MPH

DESIGN DESIGNATION
 COLLECTOR

PROJECT LOCATED IN THE VILLAGE OF NORRIDGE

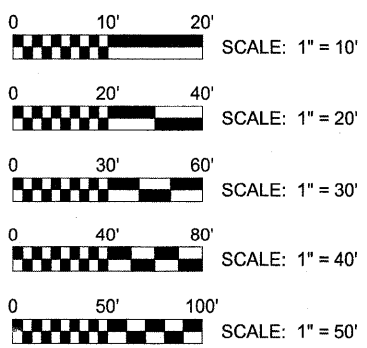


PROJECT ENDS STATION 26+24 CANFIELD ROAD

PROJECT BEGINS STATION 0+71 CANFIELD ROAD

- AREA OF IMPROVEMENT NOT TO SCALE

GROSS LENGTH OF IMPROVEMENT = 2,553 FT = 0.48 MI.
 NET LENGTH OF IMPROVEMENT = 2,553 FT = 0.48 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. 63631

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED 7-21-11 2011
[Signature]
 VILLAGE OF NORRIDGE, PRESIDENT

PASSED SEPTEMBER 12 2011
[Signature]
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID
 BASED ON LIMITED
 REVIEW SEPTEMBER 13, 2011
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS,
 REGION 1 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



DATE SIGNED: 9-8-11

LICENSE EXPIRES: 11/30/11

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

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

Drawing file: W:\Projects\61210209 - Canfield Road Rec'n\1_Cover-Canfield.dwg Aug 03, 2011 - 3:40pm

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET, LOCATION MAP
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5	TYPICAL CROSS SECTIONS
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35	BUTT JOINTS AND BITUMINOUS TAPER DETAILS
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BENCHMARKS

NO.	DESCRIPTION	ELEV.
TBM - 5	NORTH-EAST FLANGE BOLT ON FIRE HYDRANT AT NORTH-EAST CORNER OF PROSPECT AND LAWRENCE	635.76
TBM - 8	SOUTH-SOUTHEAST BONNET BOLT ON FIRE HYDRANT AT SOUTH-EAST CORNER OF CANFIELD AND LAWRENCE	645.49
TBM - 9	NORTH-NORTHEAST BONNET BOLT ON FIRE HYDRANT AT 4747 CANFIELD (WEST SIDE)	644.15
TBM - 10	NORTH-NORTHWEST BONNET BOLT ON FIRE HYDRANT AT 4701 CANFIELD (WEST SIDE)	642.51
TBM - 11	NORTH-EAST FLANGE BOLT ON FIRE HYDRANT AT SOUTH-EAST CORNER OF LELAND AND CANFIELD	641.15
TBM - 12	EAST-NORTHEAST FLANGE BOLT ON FIRE HYDRANT AT 4629 CANFIELD	642.44
TBM - 13	EAST-NORTHEAST FLANGE BOLT ON FIRE HYDRANT AT NORTH-EAST CORNER OF WILSON	643.15
TBM - 15	EAST-NORTHEAST FLANGE BOLT ON FIRE HYDRANT AT 4501 CANFIELD	642.98
TBM - 17	NORTH-NORTHEAST FLANGE BOLT ON FIRE HYDRANT AT NORTH-EAST MONTROSE AND CANFIELD	639.07

NOTE: DATUM IS BASED ON THE NAVD 88

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-06)

SYMBOL	DESCRIPTION
	EXISTING POWER POLE
	EXISTING GAS VALVE
	EXISTING STREET LIGHT
	EXISTING WATER MAIN BUFFALO BOX
	EXISTING SPRINKLER
	EXISTING WATER MAIN VALVE VAULT
	EXISTING BUSH
	EXISTING TREE
	EXISTING MANHOLE
	EXISTING CATCH BASIN
	EXISTING BITUMINOUS CONCRETE AREA
	EXISTING CONCRETE AREA
	EXISTING GRASS AREA
	EXISTING STONE OR GRAVEL AREA
	EXISTING STORM SEWER
	EXISTING COMBINATION SEWER
	EXISTING ELECTRIC LINE
	EXISTING GAS LINE
	EXISTING TELEPHONE LINE
	EXISTING WATER MAIN
	EXISTING CURB AND GUTTER
	EXISTING RIGHT OF WAY
	EXISTING STRUCTURE TO BE REMOVED
	EXISTING STORM SEWER TO BE ABANDONED
	EXISTING CURB AND GUTTER TO BE REMOVED
	BITUMINOUS SURFACE TO BE REMOVED
	EXISTING SIDEWALK REMOVAL
	EXISTING DRIVEWAY PAVEMENT REMOVAL
	PROPOSED STORM SEWER
	PROPOSED DIRECTION OF FLOW
	PROPOSED SUMMIT
	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 7"
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 7 INCH, SPECIAL
	PROPOSED GRASS AREA
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 MODIFIED
	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, SPECIAL
	MANHOLES, TYPE A, 4' OR 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID, SPECIAL
	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL
	RDCB OL
	RDCB CL
	4' DIA. MH
	5' DIA. MH
	TYPE 'C' CB
	A
	CS
	RC
	LIGHTING POLE, ALUMINUM, 30 FT. M.H., 8FT DAVIT ARM

I.D.O.T. STANDARD DRAWINGS

STANDARD NO.	TITLE OR DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
780001-02	TYPICAL PAVEMENT MARKINGS

Drawing file: W:\Projects\61210209 - Canfield Road Recen\2_Index-Content\85d.dwg Sep 12, 2011 - 2:53pm



◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

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Westchester, Illinois 60154-2780
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DESIGNED -	CB	REVISED -	
DRAWN -	LEV, DMM	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LEGEND OF SYMBOLS, BENCHMARKS, I.D.O.T. STANDARD DRAWINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	2
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

E.H.E. PROJECT NO. 612-10-20601

ACCESS

THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN INGRESS AND EGRESS FOR EMERGENCY VEHICLES AT ALL TIMES 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 WHICH WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

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 NORRIDGE, 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 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 IN ACCORDANCE WITH ARTICLE LR 105.

ADJUSTMENTS REQUIRED BY UTILITY COMPANIES WILL BE PERFORMED BY THE COMPANY INVOLVED OR ITS CONTRACTOR, BUT WILL BE COORDINATED BY GENERAL 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.

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 NORRIDGE AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF NORRIDGE PUBLIC WORKS YARD LOCATED AT THE INTERSECTION OF FOSTER AND CUMBERLAND.

HOT-MIX ASPHALT PAVING OPERATIONS

THE HOT-MIX BINDER COURSE WILL BE PLACED IN TWO (2) PASSES WITH A COLD JOINT LOCATED A MINIMUM OF SIX INCHES (6") FROM THE CROWN LINE OF THE PAVEMENT. THE HOT-MIX ASPHALT SURFACE COURSE WILL BE PLACED IN TWO (2) PASSES WITH A COLD JOINT LOCATED AT THE CROWN LINE OF THE PAVEMENT. THE CONTRACTOR WILL BE REQUIRED TO SCHEDULE HIS OPERATIONS SO THAT NO SECTIONS OF PAVEMENT ALONG THE CROWN LINE WILL HAVE A COLD JOINT OVERNIGHT.

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

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

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 NORRIDGE AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF NORRIDGE'S PUBLIC WORKS YARD LOCATED AT THE INTERSECTION OF FOSTER AND CUMBERLAND.

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 THE INTERSECTION OF FOSTER AND CUMBERLAND, 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 IN THE WORK ZONE 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 COORDINATED WITH 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 PROJECT COMPLETION. 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.

SOILS REPORT

A SOILS REPORT HAS BEEN PREPARED CONTAINING CERTAIN INFORMATION RELATING TO GENERAL SOIL CONDITIONS TO BE ENCOUNTERED ALONG THE ROUTE OF THE WORK. THE CONTRACTOR WILL BE PERMITTED TO EXAMINE THIS INFORMATION AND DETERMINE ITS VALUE. ANY ADDITIONAL BORINGS DEEMED NECESSARY BY THE CONTRACTOR SHALL BE MADE AT HIS OWN EXPENSE. THE REPORT CAN BE REVIEWED AT THE OFFICE OF HANCOCK ENGINEERING.

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.

SCHEDULE OF WORK OPERATIONS

EXCAVATION: NO MORE THAN 25' OF EXCAVATION SHALL BE LEFT OPEN WITHOUT INSTALLATION OF GEOGRID AND AT LEAST NINE-INCHES (9") OF COMPACTED AGGREGATE BASE COURSE.

PAVING: THE HOT-MIX ASPHALT BINDER COURSE SHALL BE INSTALLED WITHIN FIFTEEN (15) CALENDAR DAYS OF COMMENCEMENT OF PAVEMENT REMOVAL.

UNDERCUT AND POROUS GRANULAR EMBANKMENT (PGE)

A QUANTITY OF POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES), HAS BEEN PROVIDED FOR USE IF THE EXISTING SOILS ARE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHALL BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH PGES AS DETERMINED BY THE ENGINEER. IF UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY OF PGES WILL REMAIN UNUSED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR. THE 3-INCH CAPPING AGGREGATE (CA-6 GRADATION) WILL NOT BE REQUIRED SINCE GRANULAR SUBBASE WILL BE PLACED ON TOP OF THE PGE.

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.

MANHOLE OR VALVE VAULT COVERS

THE WORD "WATER", "SANITARY", OR "STORM" SHALL BE CAST INTO THE LID OF EACH RESPECTIVE MANHOLE OR VALVE VAULT.

BACKFILLING SEWERS UNDER ROADWAY

FOR SEWERS UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE (JETTING) AS DESCRIBED IN ARTICLE 550.07 WILL NOT BE ALLOWED.

Drawing file: W:\Projects\61210209 - Confined Road Recon\3_GeneralNotes-ConfinedRoad.dwg Aug 11, 2011 - 1:33pm



◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

9933 Roosevelt Road
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DESIGNED -	CB	REVISED -	
DRAWN -	LEV, DMM	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	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.
2783	10-00061-00-RS	COOK	41	3
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT

E.H.E. PROJECT NO. 612-10-20901

SUMMARY OF QUANTITIES

CODE	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				RECONSTRUCT 0004	SAFETY 0021
20200100	EARTH EXCAVATION	CU YD	4,395	4,395	0
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	250	250	0
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5,000	5,000	0
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	100	100	0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	100	100	0
25200100	SODDING	SQ YD	5,000	5,000	0
25200200	SUPPLEMENTAL WATERING	UNIT	200	200	0
28000510	INLET FILTERS	EACH	20	20	0
35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ YD	7,400	7,400	0
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	300	300	0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,500	1,500	0
40600300	AGGREGATE (PRIME COAT)	TON	30	30	0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	450	450	0
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	60	60	0
40701821	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"	SQ YD	7,400	7,400	0
42000800	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 7"	SQ YD	225	225	0
42001300	PROTECTIVE COAT	SQ YD	3,200	3,200	0
42300100	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH	SQ YD	1,000	1,000	0
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7,500	7,500	0
42400800	DETECTABLE WARNINGS	SQ FT	128	128	0
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,225	1,225	0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,280	5,280	0
44000600	SIDEWALK REMOVAL	SQ FT	7,500	7,500	0
44201325	CLASS C PATCHES, TYPE I, 8 INCH	SQ YD	40	40	0
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	8	8	0
550B0040	STORM SEWERS, CLASS B, TYPE 1 10"	FOOT	155	155	0
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	10	10	0
60107700	PIPE UNDERDRAINS 6"	FOOT	60	60	0
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1	0
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1	1	0
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5	0
60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	3,280	3,280	0

CODE	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				RECONSTRUCT 0004	SAFETY 0021
67100100	MOBILIZATION	L SUM	1	1	0
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1	0
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	175	0	175
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	75	0	75
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	90	90	0
* 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	40	40	0
* 81603050	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,800	2,800	0
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2,600	2,600	0
* 82102150	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 150 WATT	EACH	17	17	0
* 83000300	LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. DAVIT ARM	EACH	17	17	0
~ * 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	153	153	0
* 83800505	BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT	EACH	17	17	0
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	14	14	0
~ X2080250	TRENCH BACKFILL, SPECIAL	CU YD	65	65	0
~ X0322792	BEDDING MATERIAL, SPECIAL	CU YD	175	175	0
~ X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	2	2	0
~ X0325366	STORM SEWER REPAIR	EACH	2	2	0
~ X0325607	GROUND STABILIZATION GEOSYNTHETIC	SQ YD	7,400	7,400	0
~ X6022402	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID, SPECIAL	EACH	3	3	0
~ X6022805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, SPECIAL	EACH	3	3	0
~ X6022905	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID, SPECIAL	EACH	1	1	0
~ X6023102	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID, SPECIAL	EACH	2	2	0
~ X6029600	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID, SPECIAL	EACH	7	7	0
~ X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	5	5	0
~ X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	2,000	2,000	0
~ X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0	1
~ * X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1	1	0
~ Z0017800	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED (SPECIAL)	EACH	2	2	0
~ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	2	2	0
~ Z0018700	DRAINAGE STRUCTURES TO BE REMOVED	EACH	14	14	0
~ Z0019600	DUST CONTROL WATERING	EACH	120	120	0
~ * Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4	4	0
~ Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	250	250	0
~ XX006986	STORM SEWER DUCTILE IRON PIPE TYPE 1,8 INCH	FOOT	220	220	0

~ DENOTES SPECIAL PROVISION HAS BEEN PROVIDED
 * DENOTES SPECIALTY ITEM

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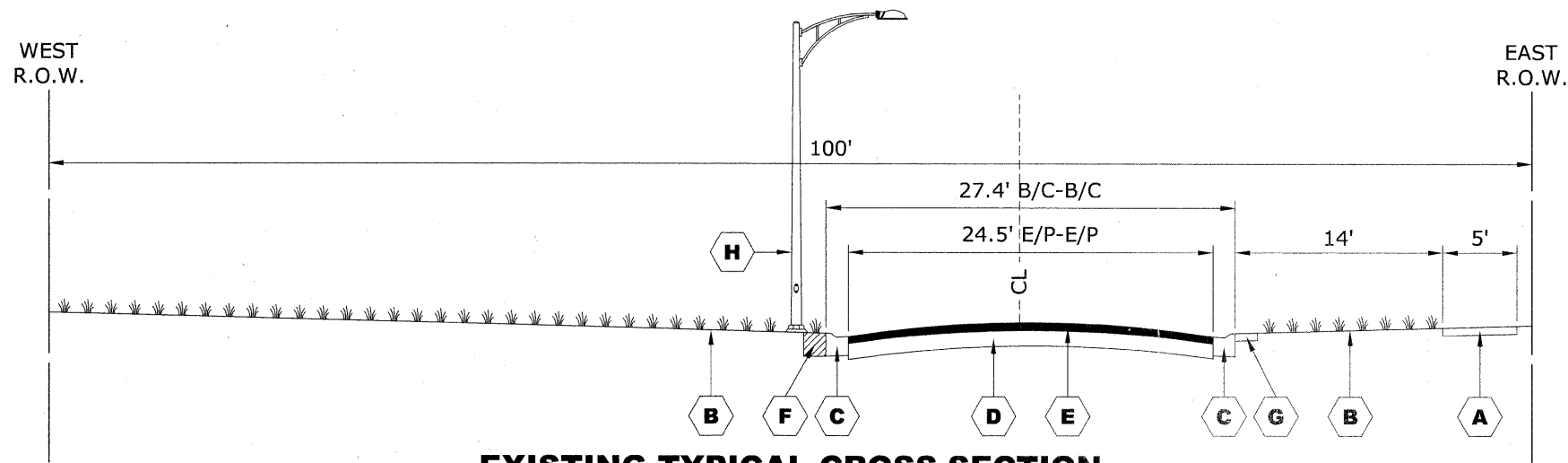
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	4
FIELD BOOK NO. 1652		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

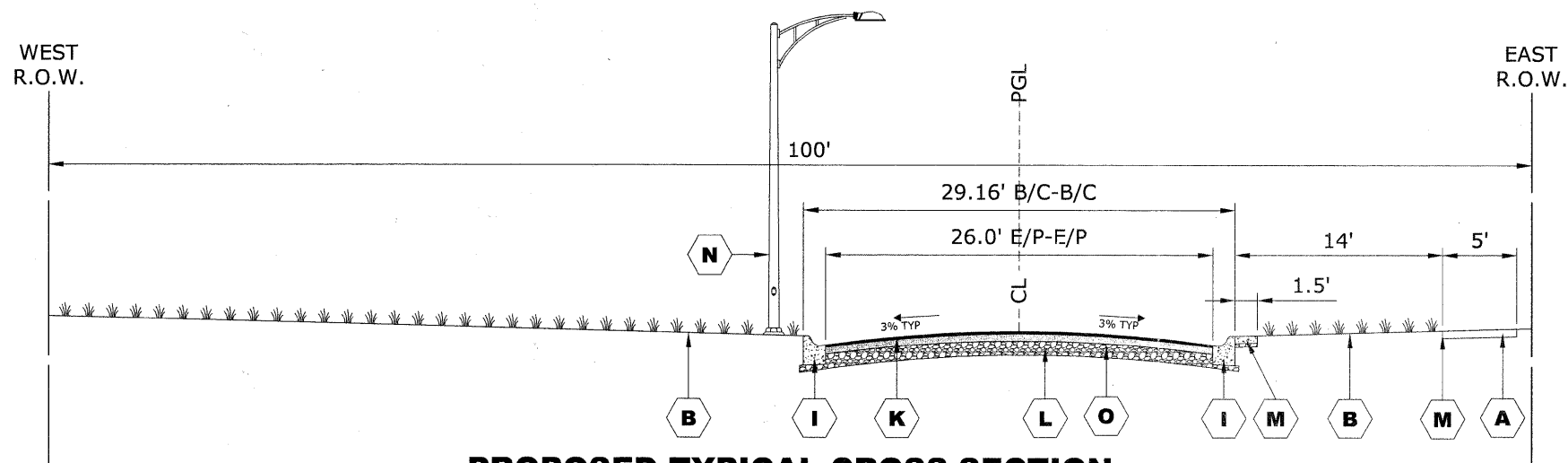
E.H.E. PROJECT NO. 612-10-20901



EXISTING TYPICAL CROSS SECTION

CANFIELD ROAD

(STATION 0+71 TO STATION 26+24)



PROPOSED TYPICAL CROSS SECTION

CANFIELD ROAD

(STATION 0+71 TO STATION 26+24)

ALL SIDEWALK TO BE ADA COMPLIANT
2% MAXIMUM CROSS SLOPE

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
FULL DEPTH PAVEMENT	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0,N50, 5 1/4"	4% @ 50 GYR.
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 3/4"	4% @ 50 GYR.
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 3/4"	4% @ 50 GYR.

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

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

HOT-MIX ASPHALT BINDER COURSE, IL-19.0,N50 MUST BE PLACED WITH A MINIMUM LIFT OF 2 1/4" AND AN INITIAL LIFT OF 3".

MAXIMUM LIFT OF ANY ANY HOT-MIX ASPHALT TO BE 3".

PAVEMENT CORE SUMMARY**

CORE	STATION	OFFSET	DEPTH OF ASPHALT
B-2	3+72	11' R OF CL	FOUR INCHES (4")
B-4	9+16	11' R OF CL	EIGHT INCHES (8")
B-6	14+56	11' R OF CL	SIX INCHES (6")
B-8	20+23	11' R OF CL	FIVE INCHES (5")
B-10	25+77	9' R OF CL	FOUR INCHES (4")

**CORES OBTAINED BY TSC CORP ON MARCH 25, 2011

SYMBOL	DESCRIPTION
A	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5" (INTERMITTENT REMOVAL)
B	LANDSCAPED PARKWAY
C	COMBINATION CONCRETE CURB & GUTTER, TYPE M-3.12 TO BE REMOVED
D	AGGREGATE BASE (+-9")
E	HOT-MIX ASPHALT SURFACE (SEE PVT CORE SUMMARY FOR THICKNESS)
F	EARTH EXCAVATION TO ACCOMODATE WIDENING
G	EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5"

SYMBOL	DESCRIPTION
H	STREET LIGHTS TO BE REMOVED
I	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED) OR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
K	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
L	PROPOSED AGGREGATE BASE COURSE, TYPE B 12"
M	PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
N	PROPOSED STREET LIGHTS
O	GROUND STABILIZATION GEOSYNTHETIC

EARTHWORK TABLE			
LOCATION	REMOVAL & DISPOSAL MATERIAL (PGES) (CU YD)	EARTH EXCAVATION (CU YD)	TOTAL SUITABLE EXCAVATION (CU YD)
CANFIELD ROAD STA. 0+71 TO STA. 26+24	250	4,395	4,395
TOTALS	250	4,395	4,395

LOCATION	EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR 15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	WASTE (+)
CANFIELD ROAD STA. 0+71 TO STA. 26+24	0	0	4,395
TOTALS	0	0	4,395

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DATE -	7-1-2011	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	5
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

E.H.E. PROJECT NO. 612-10-20901

Drawing file: W:\Projects\61210209 - Canfield Road Recn\6_DETOUTR.dwg Sep 12, 2011 - 3:09pm

LEGEND OF SYMBOLS		
SYMBOL	DESCRIPTION	CODE & SIZE
		W20-3 48"x48"
		W20-2 48"x48"
		R11-2 48"x30"
		M3-1 24"x12"
		M3-1 24"x12"
		M4-8 36"x12"
		M4-8 24"x12"
		W20-3 48"x48"

LEGEND OF SYMBOLS		
SYMBOL	DESCRIPTION	CODE & SIZE
		M4-8 24"x18"
		M5-3 21"x15"
		M5-1 21"x15"
		M5-1 21"x15"
		M5-1R 21"x15"
		M5-1L 21"x15"
		M4-10 48"x18"
		M4-10 48"x18"
		R3-1 24"x24"
		R3-2 24"x24"

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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DATE -	7-1-2011	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
STAGE I**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	6
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

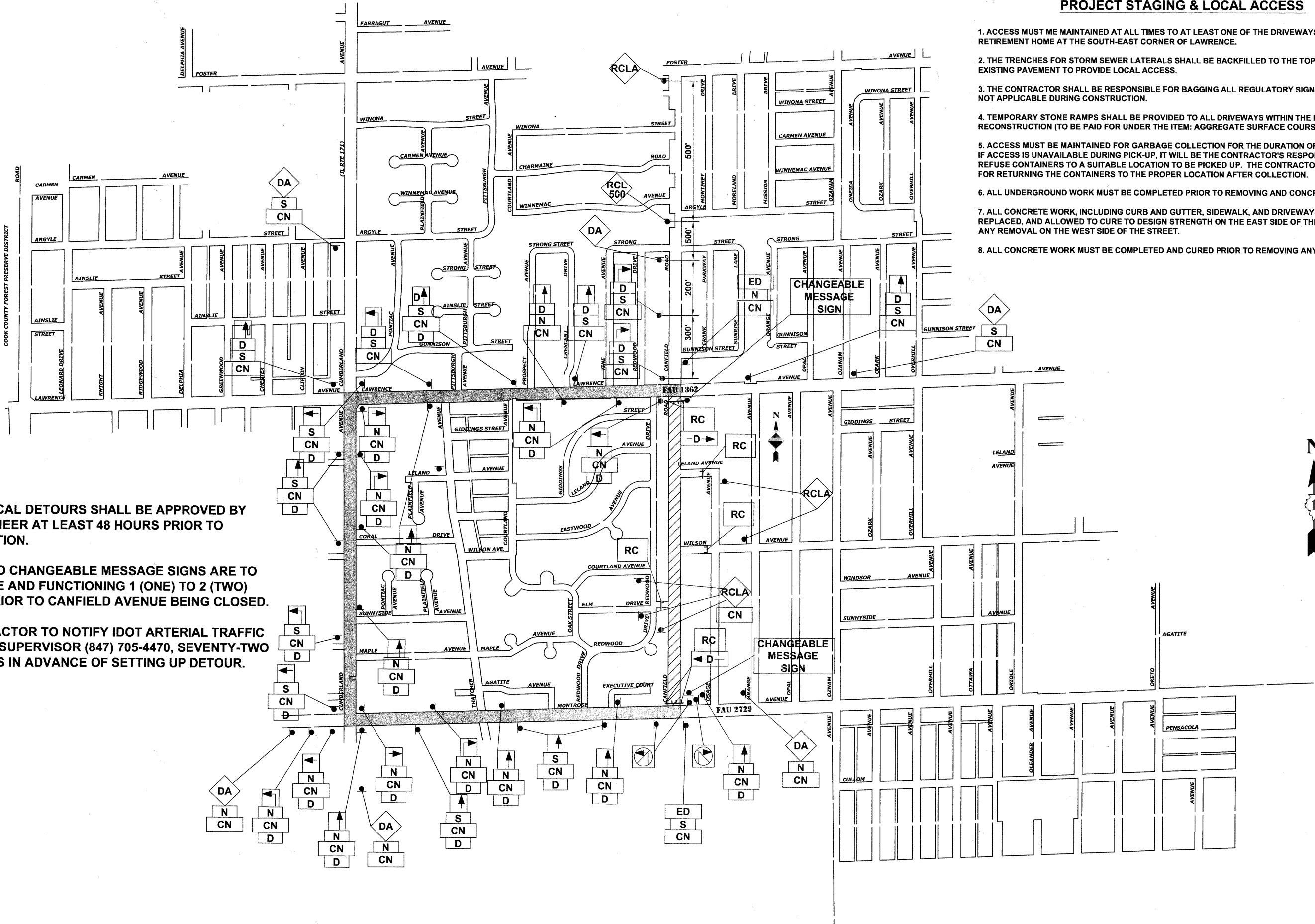
E.H.E. PROJECT NO. 612-10-20901

PROJECT STAGING & LOCAL ACCESS

1. ACCESS MUST BE MAINTAINED AT ALL TIMES TO AT LEAST ONE OF THE DRIVEWAYS SERVING THE RETIREMENT HOME AT THE SOUTH-EAST CORNER OF LAWRENCE.
2. THE TRENCHES FOR STORM SEWER LATERALS SHALL BE BACKFILLED TO THE TOP OF THE EXISTING PAVEMENT TO PROVIDE LOCAL ACCESS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BAGGING ALL REGULATORY SIGNS THAT ARE NOT APPLICABLE DURING CONSTRUCTION.
4. TEMPORARY STONE RAMPS SHALL BE PROVIDED TO ALL DRIVEWAYS WITHIN THE LIMITS OF THE RECONSTRUCTION (TO BE PAID FOR UNDER THE ITEM: AGGREGATE SURFACE COURSE, TYPE B).
5. ACCESS MUST BE MAINTAINED FOR GARBAGE COLLECTION FOR THE DURATION OF THIS PROJECT. IF ACCESS IS UNAVAILABLE DURING PICK-UP, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE REFUSE CONTAINERS TO A SUITABLE LOCATION TO BE PICKED UP. THE CONTRACTOR WILL BE RESPONSIBLE FOR RETURNING THE CONTAINERS TO THE PROPER LOCATION AFTER COLLECTION.
6. ALL UNDERGROUND WORK MUST BE COMPLETED PRIOR TO REMOVING AND CONCRETE OR PAVEMENT.
7. ALL CONCRETE WORK, INCLUDING CURB AND GUTTER, SIDEWALK, AND DRIVEWAYS MUST BE REMOVED, REPLACED, AND ALLOWED TO CURE TO DESIGN STRENGTH ON THE EAST SIDE OF THE STREET PRIOR TO ANY REMOVAL ON THE WEST SIDE OF THE STREET.
8. ALL CONCRETE WORK MUST BE COMPLETED AND CURED PRIOR TO REMOVING ANY OF THE EXISTING ROADWAY.

NOTE:

1. ANY LOCAL DETOURS SHALL BE APPROVED BY THE ENGINEER AT LEAST 48 HOURS PRIOR TO INSTALLATION.
2. THE TWO CHANGEABLE MESSAGE SIGNS ARE TO BE ON SITE AND FUNCTIONING 1 (ONE) TO 2 (TWO) WEEKS PRIOR TO CANFIELD AVENUE BEING CLOSED.
3. CONTRACTOR TO NOTIFY IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR (847) 705-4470, SEVENTY-TWO (72) HOURS IN ADVANCE OF SETTING UP DETOUR.



Drawing file: W:\Projects\61210209 - Canfield Road Rec'n\6_DETOUTR.dwg Sep 12, 2011 - 3:08pm

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1933 Roosevelt Road
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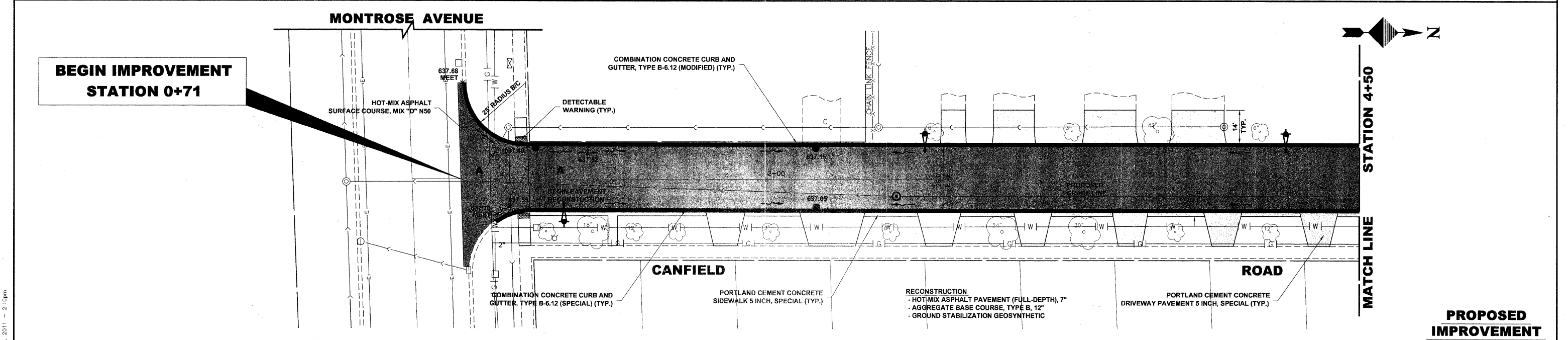
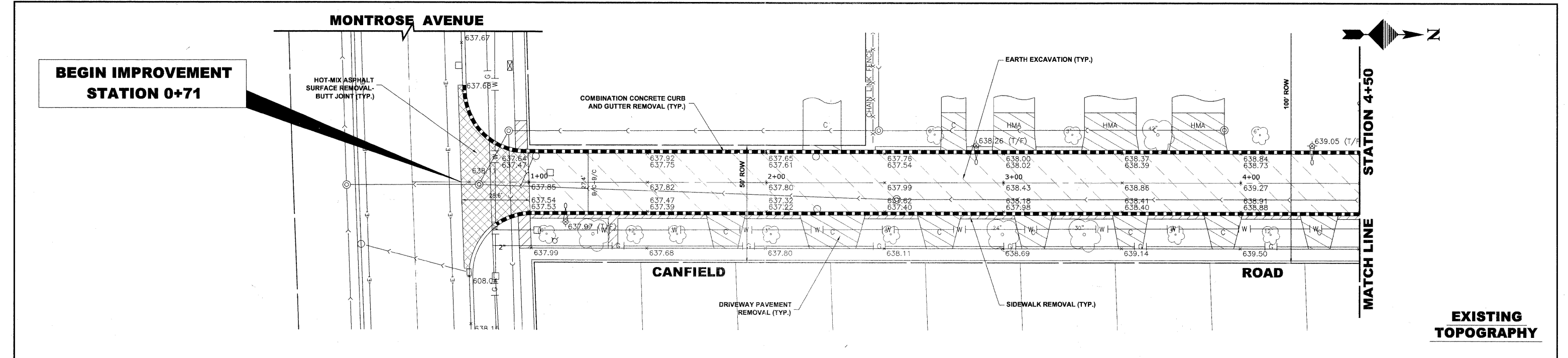
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DATE -	7-1-2011	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETOUR FOR THROUGH TRAFFIC SIGNING PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00081-00-RS	COOK	41	7
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

E.H.E. PROJECT NO. 612-10-20801



STA.	EXIST. CL. PROP. CL.	DESCRIPTION PROP. E/P	PROPOSED GRADE LINE	EXISTING GRADE LINE	VERTICAL CURVE 1	VERTICAL CURVE 2	VERTICAL CURVE 3	VERTICAL CURVE 4	VERTICAL CURVE 5	VERTICAL CURVE 6	VERTICAL CURVE 7	VERTICAL CURVE 8	VERTICAL CURVE 9	VERTICAL CURVE 10	STA.
639															639
637															637
635															635
633															633
631															631

NOTE: ALL CURB AND GUTTER TO BE 6" UNLESS OTHERWISE NOTED.

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**STATE OF ILLINOIS
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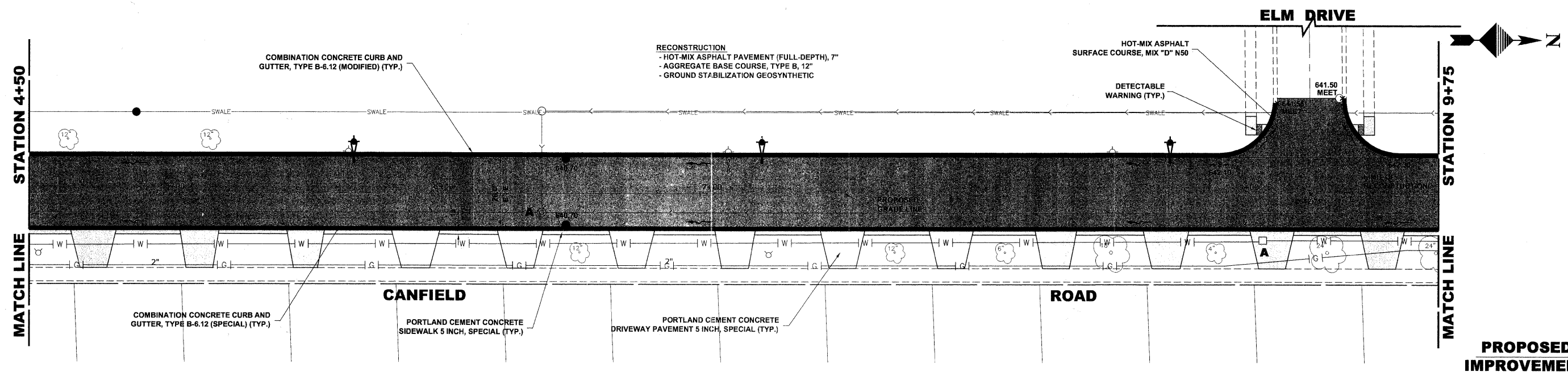
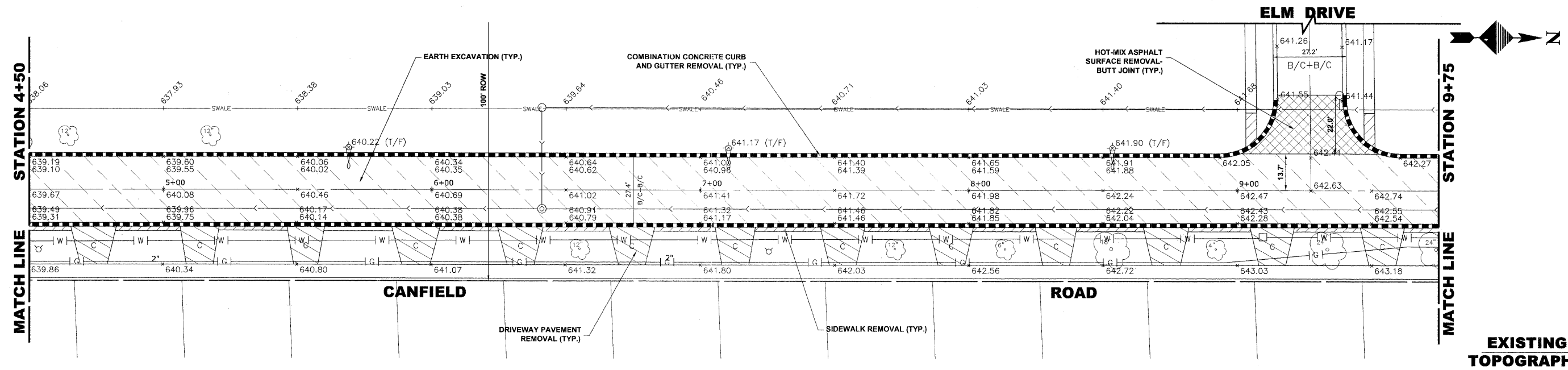
PAVING PLAN

SCALE: 1"=20'H./2V. SHEET NO. 1 OF 6 SHEETS STA. 0+71 TO STA. 4+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	8
FIELD BOOK NO. 1562		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT

E.H.E. PROJECT NO. 612-10-20501

Drawing file: W:\Projects\61210209 - Canfield Road Recon\Canfield\Canfield_Rd_Recon.dwg Aug 11, 2011 - 2:10pm



STA.	EXIST. CL. PROP. CL.	DESCRIPTION PROP. E/P	PROPOSED GRADE LINE	EXISTING GRADE LINE	PERCENTAGE	STA.
635	639.67 639.60	639.67 639.60	639.67 639.60	639.67 639.60	0.80%	4+50
637	640.08 640.00	639.60 (W) 639.20 (E)	640.08 640.00	639.60 (W) 639.20 (E)	0.80%	5+00
639	640.46 640.40	640.00 (W) 640.00 (E)	640.46 640.40	640.00 (W) 640.00 (E)	0.80%	+50
641	640.69 640.80	640.40 (W) B/G 640.40 (E) B/G	640.69 640.80	640.40 (W) B/G 640.40 (E) B/G	0.60%	6+00
643	641.02 641.10	640.70 (W) 640.70 (E)	641.02 641.10	640.70 (W) 640.70 (E)	0.60%	+50
	641.41 641.40	641.00 (W) 641.00 (E) B/G	641.41 641.40	641.00 (W) 641.00 (E) B/G	0.80%	7+00
	641.72 641.50	641.30 (W) 641.40 (E)	641.72 641.50	641.30 (W) 641.40 (E)	0.80%	+50
	642.14 642.20	641.80 (W) B/G 641.80 (E) B/G	642.14 642.20	641.80 (W) B/G 641.80 (E) B/G	0.50%	8+00
	642.24 642.45	642.10 (W) PC SUMMIT 642.20 (E)	642.24 642.45	642.10 (W) PC SUMMIT 642.20 (E)	0.30%	+50
	642.63 642.63	CENTERLINE ELM AVE.	642.63 642.63	CENTERLINE ELM AVE.	0.40%	+27.5
	642.74 642.80		642.74 642.80		0.40%	+50
	642.89		642.89			+60
						9+75

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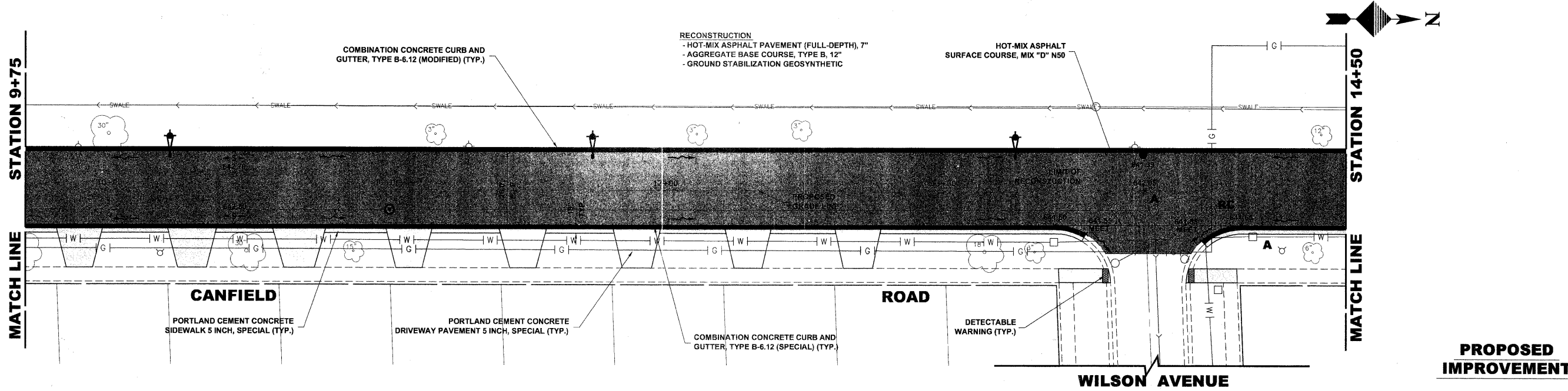
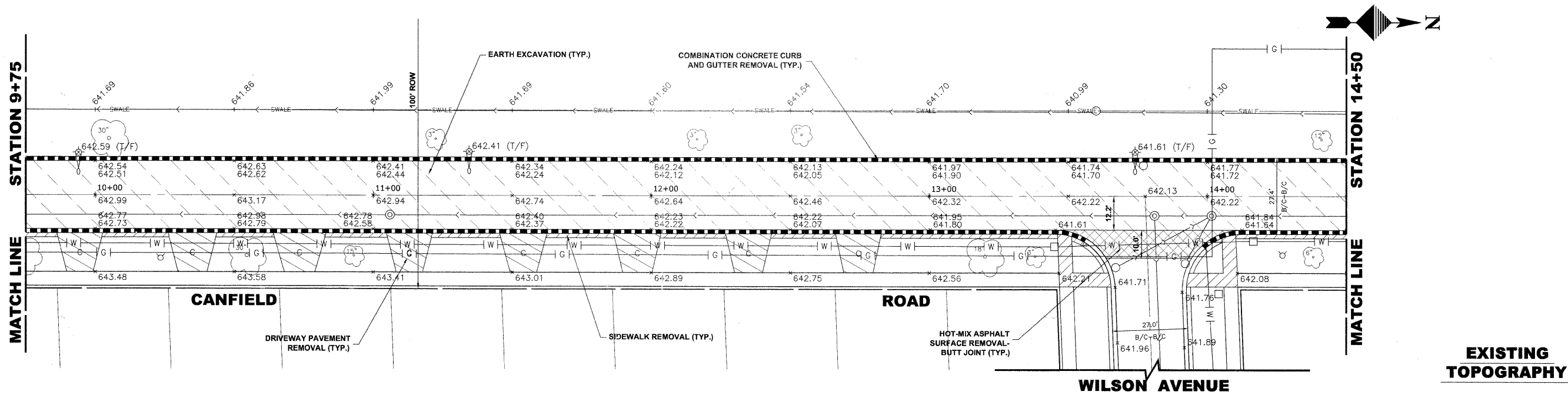
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVING PLAN

SCALE: 1"=20'H./2V. SHEET NO. 2 OF 6 SHEETS STA. 4+50 TO STA. 9+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	9
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT

E.H.E. PROJECT NO. 612-10-20901



STATION	EXIST. CL. STA.	PROF. CL. STA.	DESCRIPTION	EXISTING GRADE LINE	PROPOSED GRADE LINE	GRADE (%)	STATION
643	9+75	9+75		642.54	642.54	0.40%	643
	10+00	10+00		642.51	642.51	0.40%	
	11+00	11+00		642.41	642.41	0.40%	
	12+00	12+00		642.24	642.24	0.40%	
	13+00	13+00		641.97	641.97	0.40%	
	14+00	14+00		641.74	641.74	0.40%	
	14+50	14+50		641.77	641.77	0.40%	643
641	9+75	9+75		642.54	642.54	0.40%	641
	10+00	10+00		642.51	642.51	0.40%	
	11+00	11+00		642.41	642.41	0.40%	
	12+00	12+00		642.24	642.24	0.40%	
	13+00	13+00		641.97	641.97	0.40%	
	14+00	14+00		641.74	641.74	0.40%	
	14+50	14+50		641.77	641.77	0.40%	641
639	9+75	9+75		642.54	642.54	0.40%	639
	10+00	10+00		642.51	642.51	0.40%	
	11+00	11+00		642.41	642.41	0.40%	
	12+00	12+00		642.24	642.24	0.40%	
	13+00	13+00		641.97	641.97	0.40%	
	14+00	14+00		641.74	641.74	0.40%	
	14+50	14+50		641.77	641.77	0.40%	639
637	9+75	9+75		642.54	642.54	0.40%	637
	10+00	10+00		642.51	642.51	0.40%	
	11+00	11+00		642.41	642.41	0.40%	
	12+00	12+00		642.24	642.24	0.40%	
	13+00	13+00		641.97	641.97	0.40%	
	14+00	14+00		641.74	641.74	0.40%	
	14+50	14+50		641.77	641.77	0.40%	637
635	9+75	9+75		642.54	642.54	0.40%	635
	10+00	10+00		642.51	642.51	0.40%	
	11+00	11+00		642.41	642.41	0.40%	
	12+00	12+00		642.24	642.24	0.40%	
	13+00	13+00		641.97	641.97	0.40%	
	14+00	14+00		641.74	641.74	0.40%	
	14+50	14+50		641.77	641.77	0.40%	635

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DATE -	7-1-2011	REVISED -	

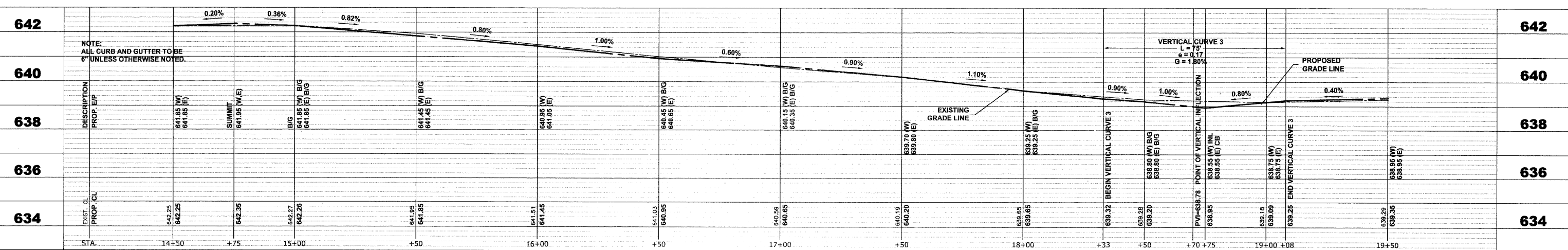
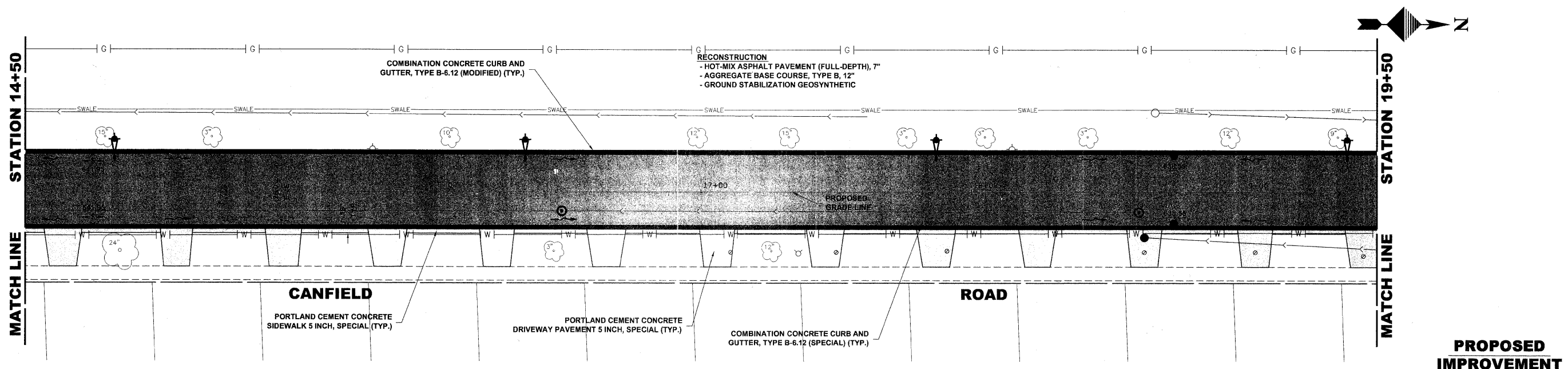
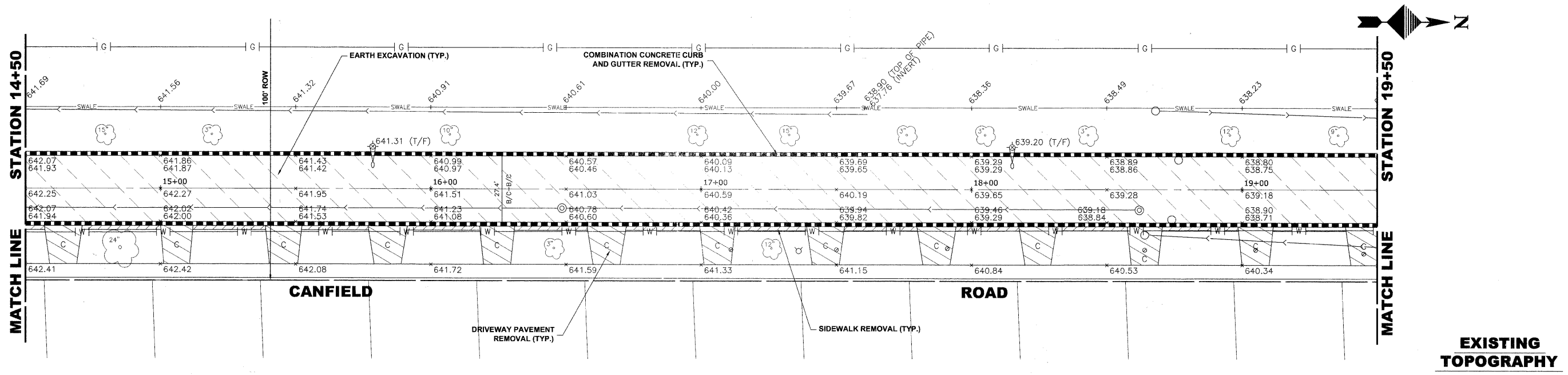
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVING PLAN

SCALE: 1"=20'H/2V. SHEET NO. 3 OF 6 SHEETS STA. 9+75 TO STA. 14+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	10
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

E.H.E. PROJECT NO. 612-10-20901



642	640	638	636	634	STA.	14+50	+75	15+00	+50	16+00	+50	17+00	+50	18+00	+33	+50	+70	+75	19+00	+08	19+50	642									
					EXIST. CL.	642.25	642.25	642.35	642.27	642.26	641.95	641.85	641.51	641.45	641.03	640.95	640.59	640.65	640.19	640.20	639.65	639.65	639.25	639.25	638.70	638.80	638.95	638.19	638.09	638.25	638.35
PROP. CL.		642.25	642.25	642.35	642.27	642.26	641.95	641.85	641.51	641.45	641.03	640.95	640.59	640.65	640.19	640.20	639.65	639.65	639.25	639.25	638.70	638.80	638.95	638.19	638.09	638.25	638.35	638.29	638.35	638.95	638.95
PROP. EIP		641.85 (W) 641.85 (E)	641.85 (W) 641.85 (E)	641.95 (W) 641.95 (E)	641.85 (W) 641.85 (E)	641.85 (W) 641.85 (E)	641.45 (W) 641.45 (E)	641.45 (W) 641.45 (E)	640.95 (W) 640.95 (E)	640.95 (W) 640.95 (E)	640.45 (W) 640.65 (E)	640.45 (W) 640.65 (E)	640.15 (W) 640.35 (E)	640.15 (W) 640.35 (E)	639.70 (W) 639.80 (E)	639.70 (W) 639.80 (E)	639.25 (W) 639.25 (E)	639.25 (W) 639.25 (E)	639.25 (W) 639.25 (E)	639.25 (W) 639.25 (E)	638.80 (W) 638.80 (E)	638.80 (W) 638.80 (E)	638.80 (W) 638.80 (E)	638.55 (W) 638.55 (E)	638.55 (W) 638.55 (E)	638.55 (W) 638.55 (E)	638.75 (W) 638.75 (E)	638.75 (W) 638.75 (E)	638.95 (W) 638.95 (E)	638.95 (W) 638.95 (E)	
DESCRIPTION				SUMMIT	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	BIG	
REMARKS		NOTE: ALL CURB AND GUTTER TO BE 6" UNLESS OTHERWISE NOTED.																													

Drawing file: W:\Projects\61210239 - Canfield Road Recon\Canfield_Rd_Recon.dwg Aug 11, 2011 - 2:10pm



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 Fax: 708-865-1212

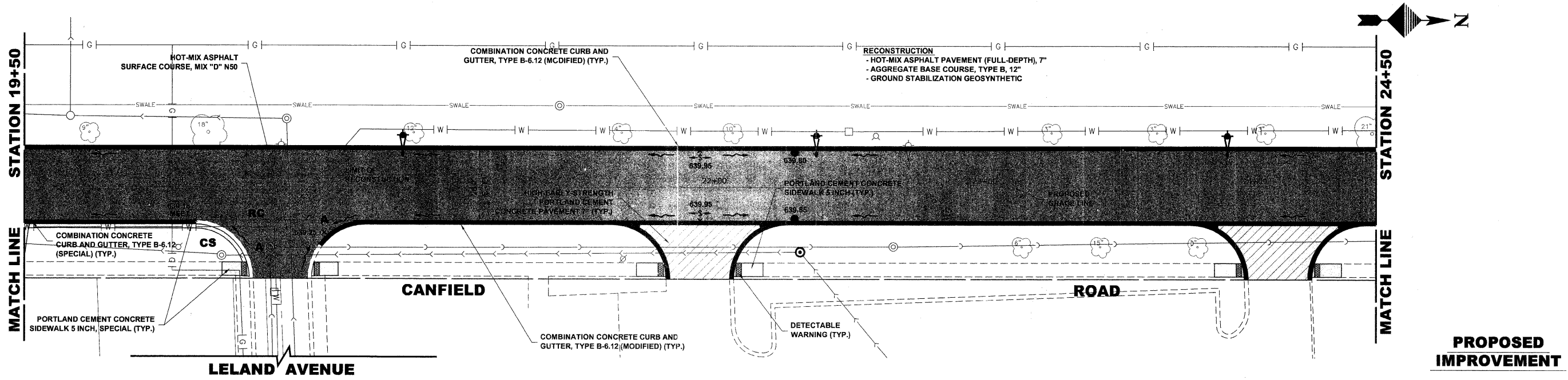
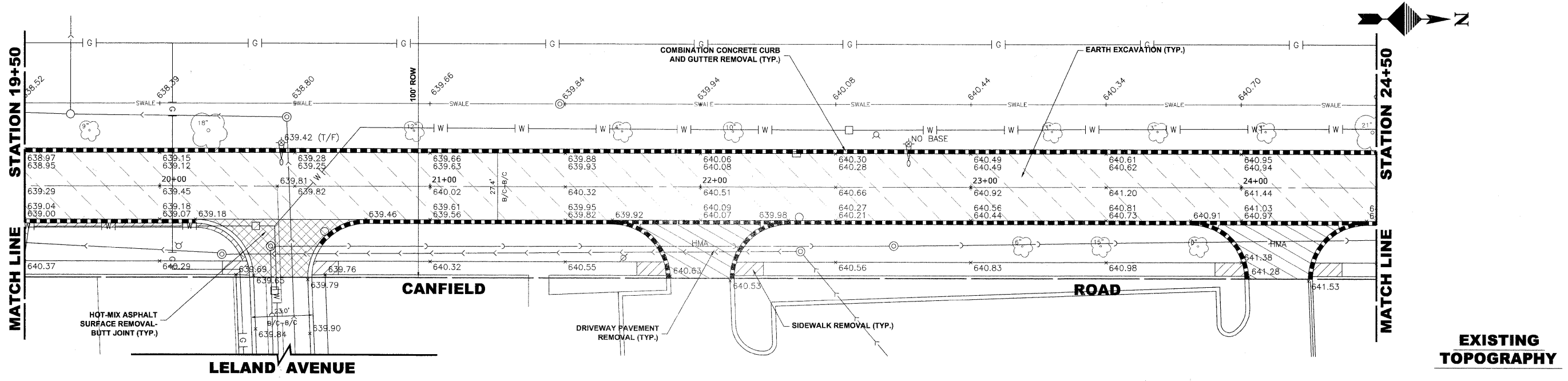
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DRAWN -	LEV, DMM	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVING PLAN

SCALE: 1"=20'H./2V. SHEET NO. 4 OF 6 SHEETS STA. 14+50 TO STA. 19+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	11
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



STA.	EXIST. CL. PROP. CL.	DESCRIPTION PROP. EIP	PROPOSED GRADE LINE	EXISTING GRADE LINE	
642		NOTE: ALL CURB AND GUTTER TO BE 6" UNLESS OTHERWISE NOTED.			642
640			0.40%	0.60%	640
638			0.34%	0.70%	638
636			0.40%	0.70%	636
634			0.75%	0.46%	634
			0.40%	0.46%	
			0.30%	0.46%	
			0.28%	0.46%	
			0.46%	0.70%	
			0.70%	0.60%	

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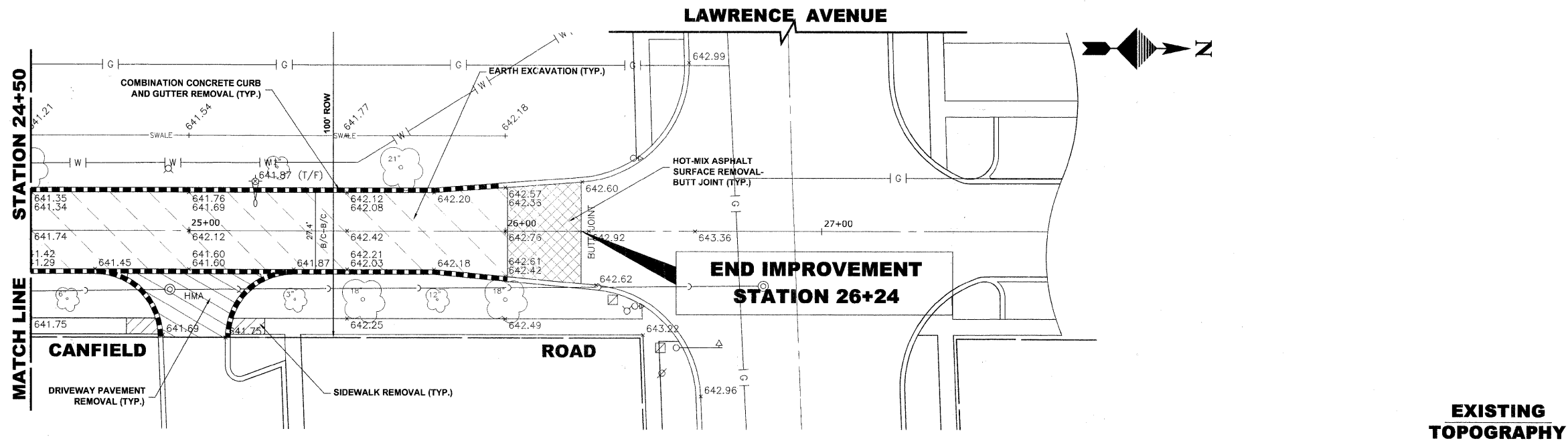
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DRAWN - LEV, DMM	REVISED -
CHECKED - JGG	REVISED -
DATE - 7-1-2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

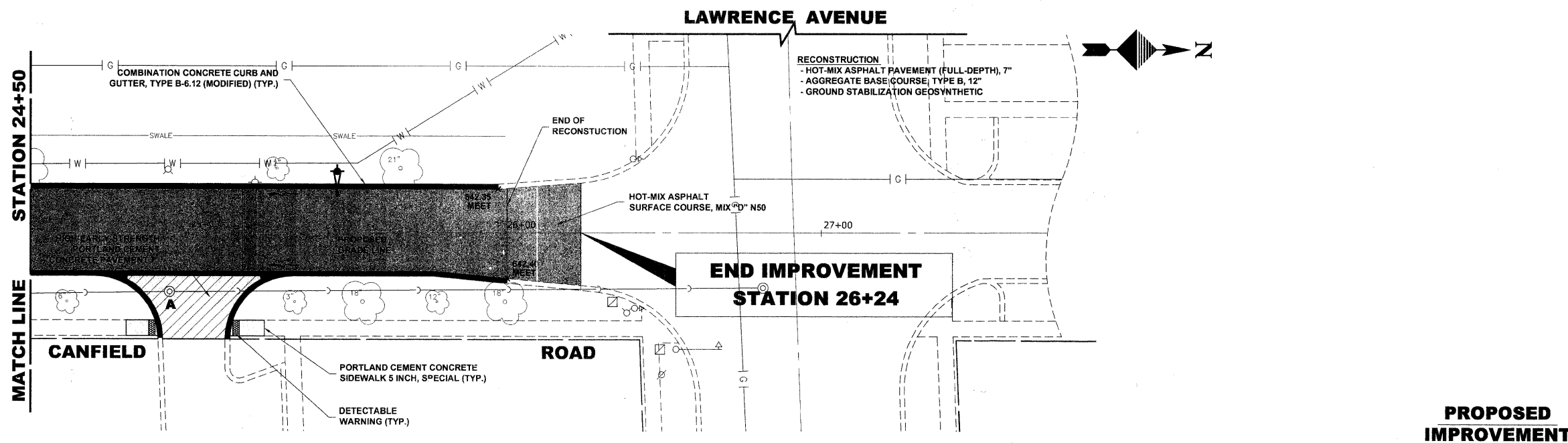
PAVING PLAN
 SCALE: 1"=20'H./2V. SHEET NO. 5 OF 6 SHEETS STA. 19+50 TO STA. 24+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	12
FIELD BOOK NO. 1552	CONTRACT NO. 63631			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	E.H.E. PROJECT NO. 612-10-29801	

Drawing file: W:\Projects\61210209 - Canfield Road Recon\Canfield_Rd_Recon.dwg Aug 11, 2011 - 2:10pm



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT

STA.	EXIST. CL.	PROF. CL.	DESCRIPTION	PROF. E.P.	PROPOSED GRADE LINE	EXISTING GRADE LINE	STA.
644							644
642					0.60%	0.55%	642
640					0.90%		640
638					1.00%		638
636							636
24+50	641.74 641.55	641.74 641.55					24+50
25+00	642.12 641.85	642.12 641.85					25+00
+50	642.42 642.30	642.42 642.30					+50
26+00	642.76 642.80	642.76 642.80					26+00
+27	642.9	642.9					+27
+60	643.36	643.36					+60

NOTE:
ALL CURB AND GUTTER TO BE
6" UNLESS OTHERWISE NOTED.

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CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVING PLAN

SCALE: 1"=20'H./2V. SHEET NO. 6 OF 6 SHEETS STA. 24+50 TO STA. (END)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	10-00061-00-RS	COOK	41	13
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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GENERAL NOTES

DEPRESSED CURBS - THE TOP OF CURBS SHALL BE DEPRESSED WHERE THE CURB AND GUTTER IS CONSTRUCTED AT HANDICAP ACCESSIBLE SIDEWALK RAMP AT ALLEY RETURNS AND STREET INTERSECTIONS, AND FOR PRIVATE DRIVES AND AS DIRECTED BY THE ENGINEER

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.

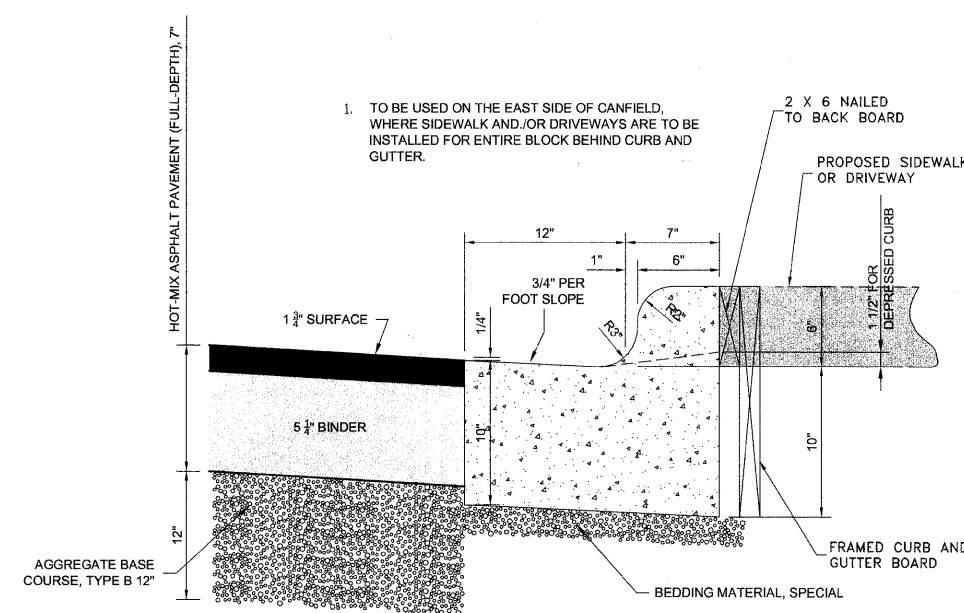
DEPRESSED CURB HEIGHT - THE HEIGHT OF THE DEPRESSED CURB SHALL BE 1-1/2" AT DRIVEWAYS. SEE IDOT STANDARD 424001-04 FOR HEIGHT AT SIDEWALK RAMP.

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 NINETY FOOT (90') INTERVALS AT LOCATIONS WHERE CURB REPLACEMENT IS IN EXCESS OF NINETY FEET (90'); AT RADIUS POINTS, AT BOTH SIDES OF FRAMES AND GRATES WHICH FALL IN THE CURB, AND AS DIRECTED BY THE ENGINEER.

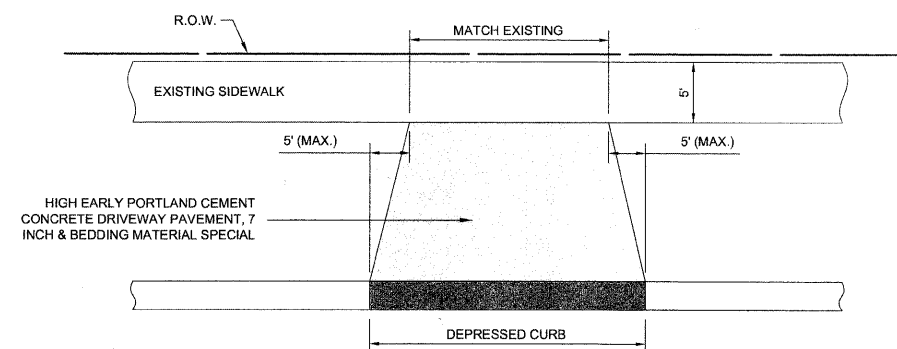
ALL EXPANSION JOINTS LOCATED IN THE CURB AND GUTTER SHALL HAVE TWO (2) THREE QUARTER INCH (3/4") DIAMETER, SMOOTH, ROUND, EPOXY COATED DOWEL BARS, EIGHTEEN INCHES (18") IN LENGTH, WITH GREASED PLASTIC END CAPS INSERTED TO ALLOW THE CURB AND GUTTER TO EXPAND AND CONTRACT LATERALLY. CONTRACTION JOINTS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

CURB AND GUTTER REMOVAL

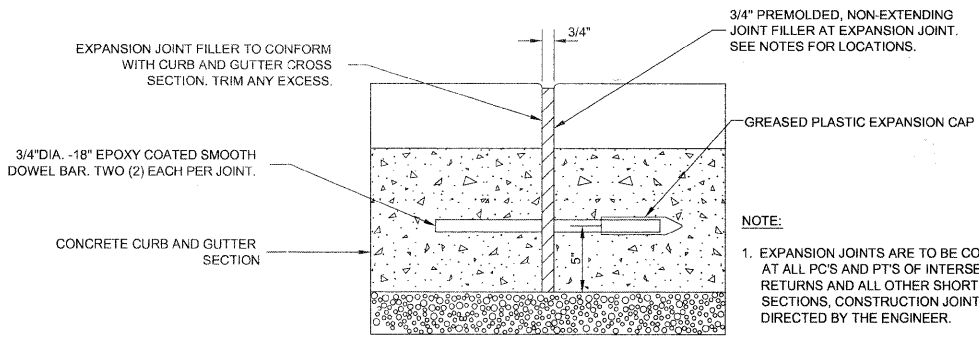
THE COSTS FOR REMOVAL OF ANY ASPHALT OVERLAY THAT EXTENDS INTO THE GUTTER PORTION OF THE CURB AND GUTTER WILL BE INCLUDED IN THE PRICE FOR COMBINATION CURB AND GUTTER REMOVAL.



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

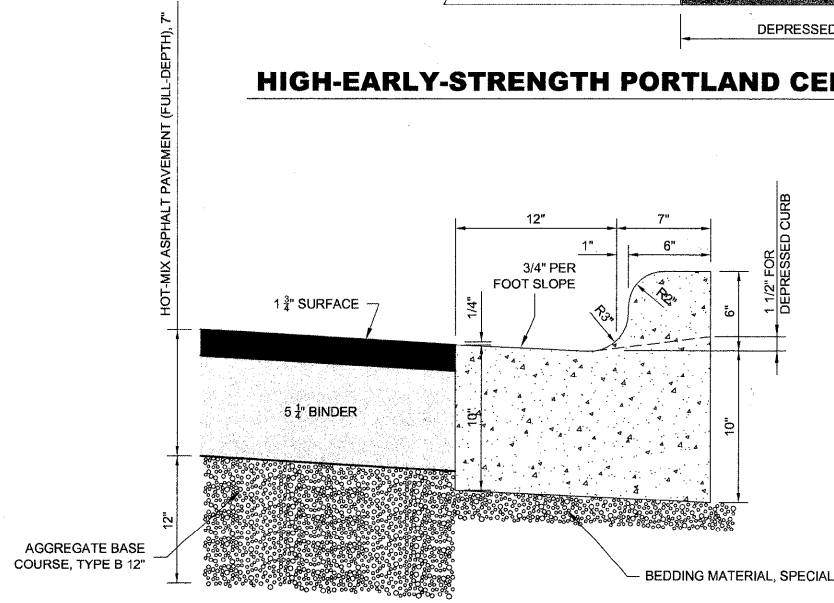


RESIDENTIAL DRIVEWAY DETAIL

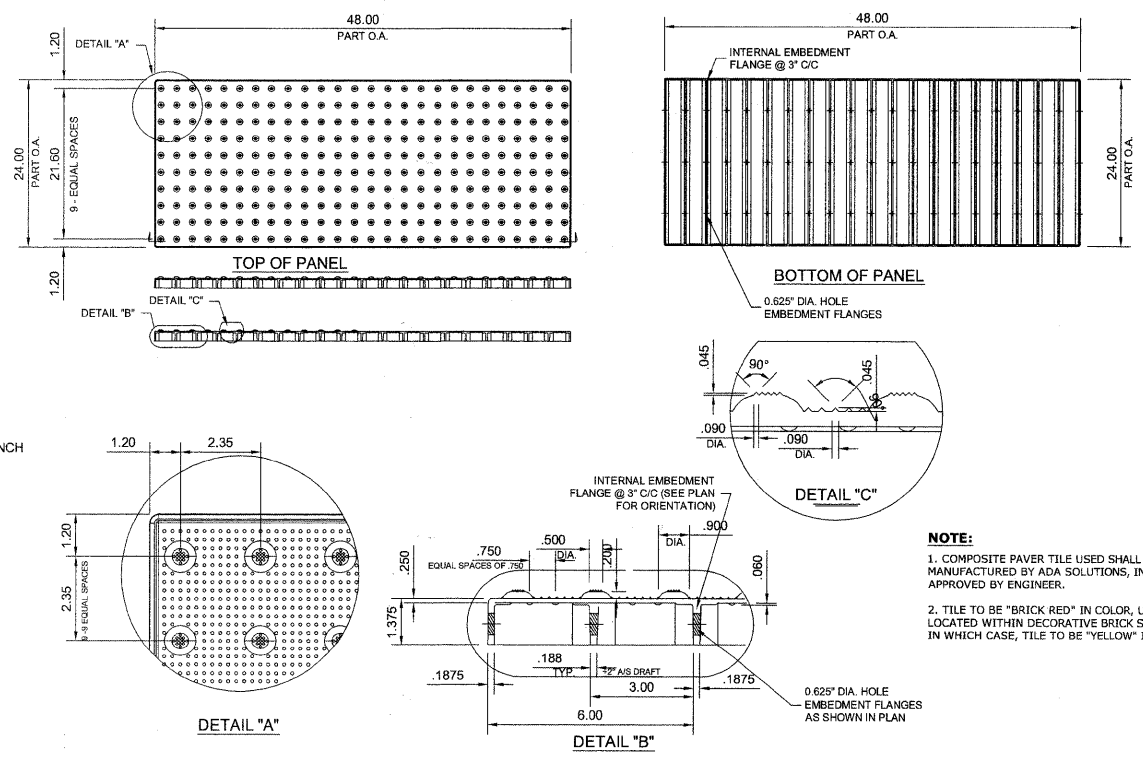
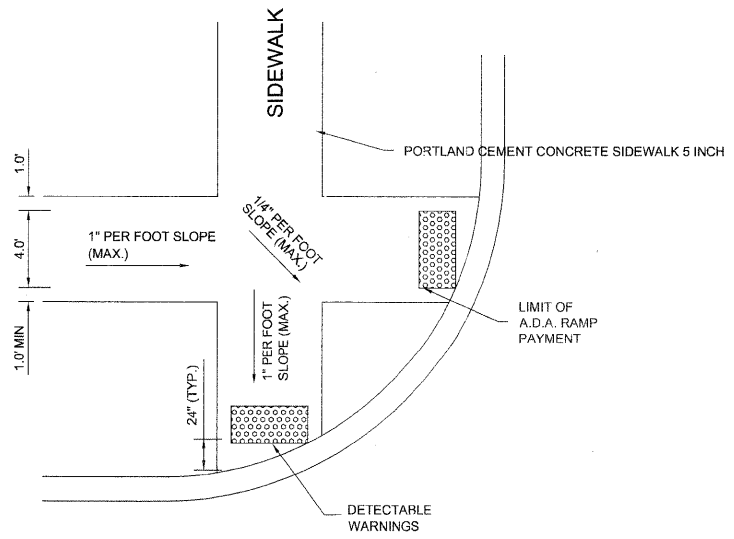


TYPICAL CURB AND GUTTER EXPANSION JOINT

HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 7" (TYP.)



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



CAST-IN-PLACE COMPOSITE PAVER TILE FOR DETECTABLE WARNING

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DATE - 7-1-2011	REVISED -

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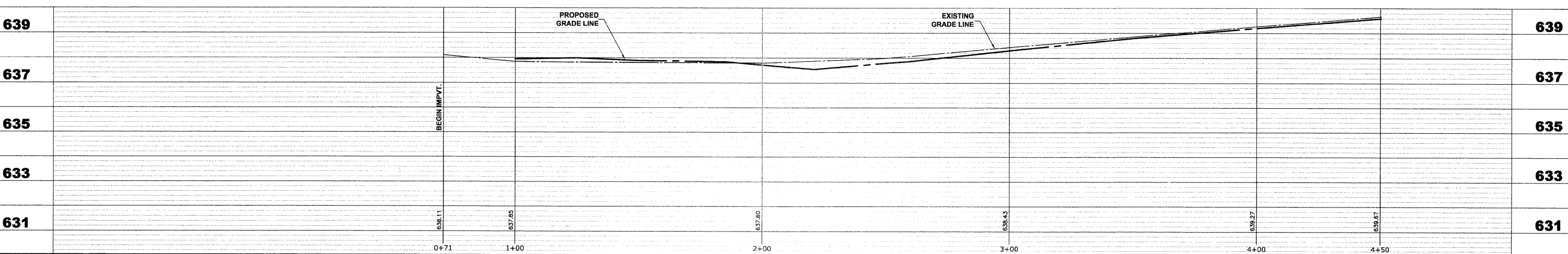
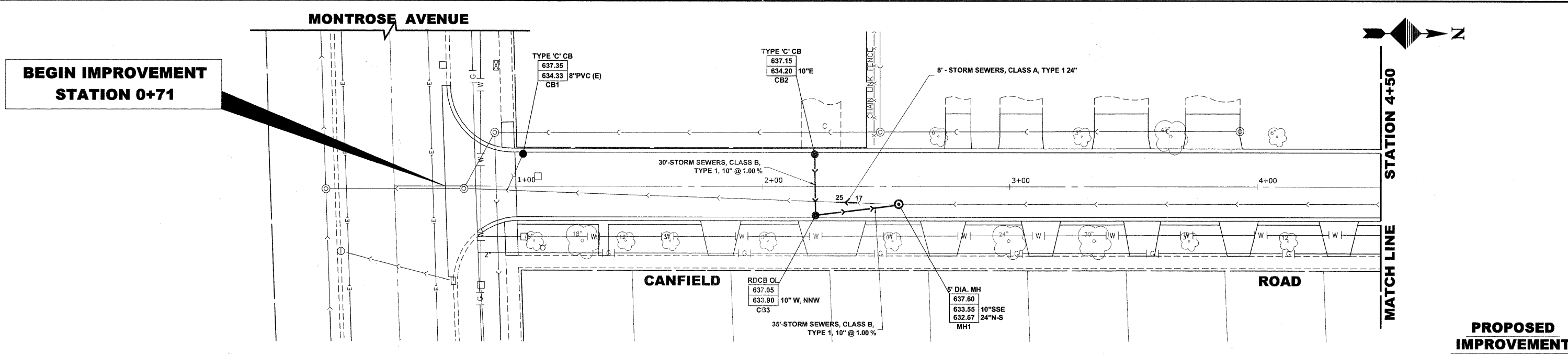
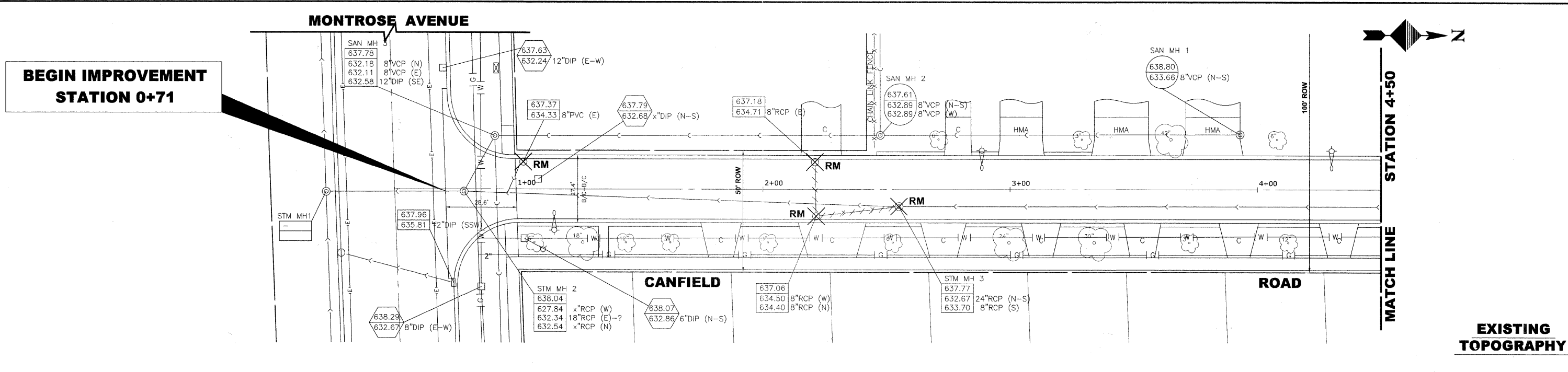
ROADWAY DETAILS

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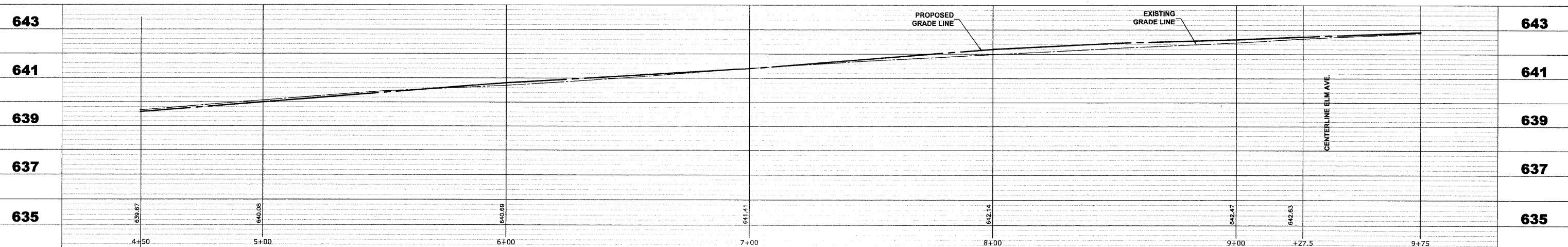
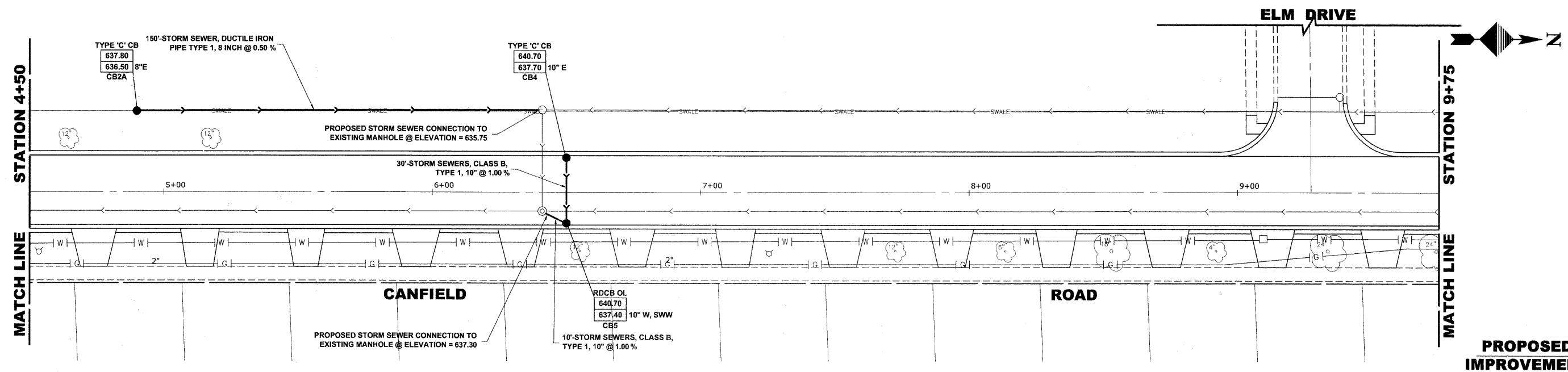
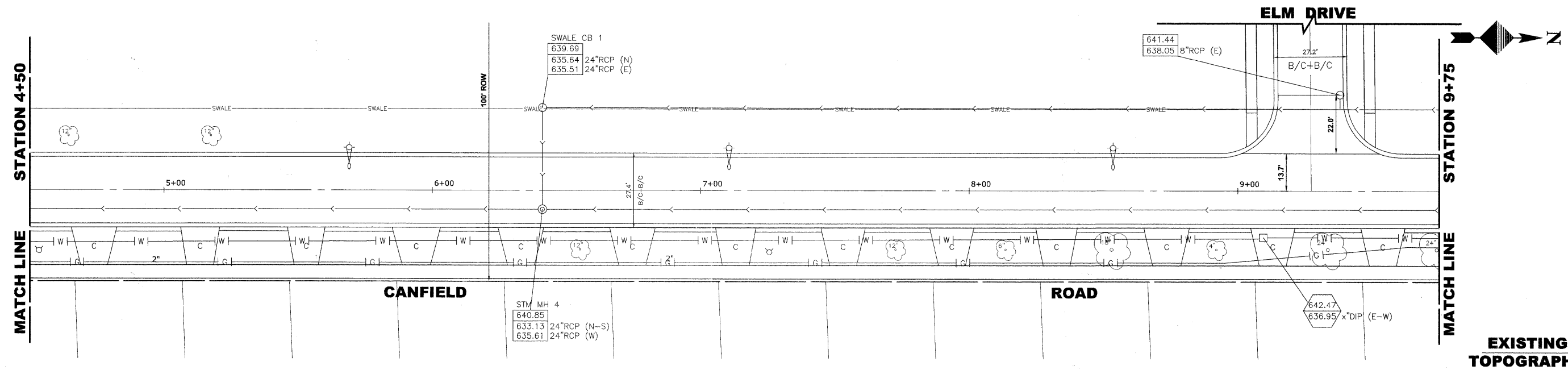
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	14
FIELD BOOK NO. 1652		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

E.H.E. PROJECT NO. 612-10-20501

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<p>HANCOCK ENGINEERING Civil Engineers Municipal Consultants Established 1911</p>	DESIGNED - CB DRAWN - LEV, DMM CHECKED - JGG DATE - 7-1-2011	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PLAN	F.A.U. RTE. 2763	SECTION 10-00061-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 15
	9933 Roosevelt Road Westchester, Illinois 60154-2780 Phone: 708.865-8390 Fax: 708.865-1212			SCALE: 1"=20'H./2V. SHEET NO. 1 OF 6 SHEETS STA. 0+71 TO STA. 4+50	FIELD BOOK NO. 1552 CONTRACT NO. 63631 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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DRAWN -	LEV, DMM	REVISED -	
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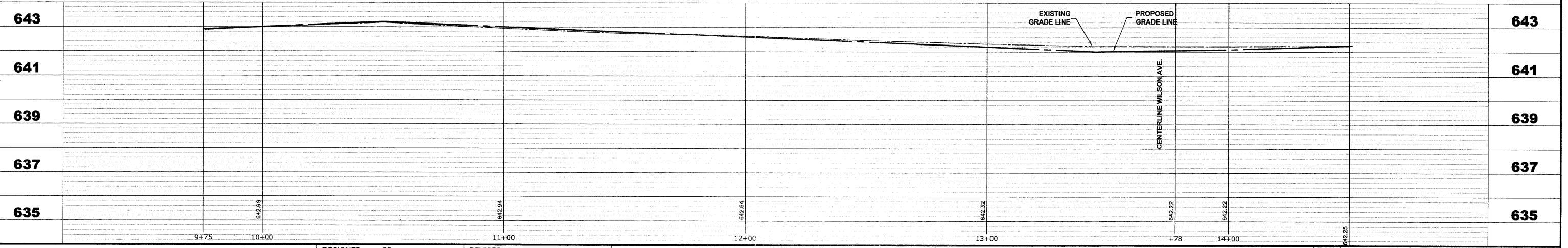
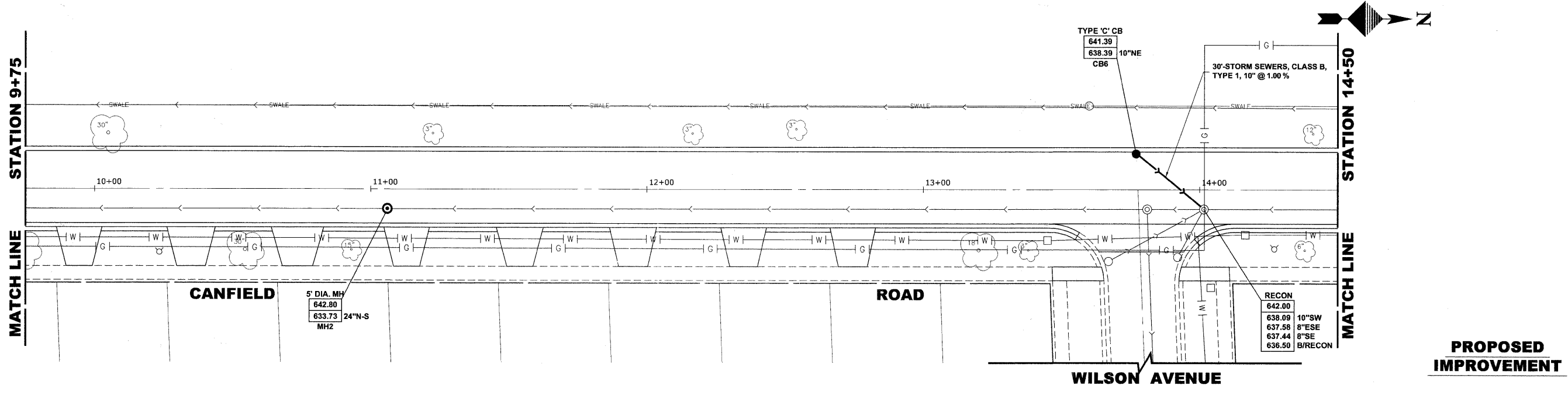
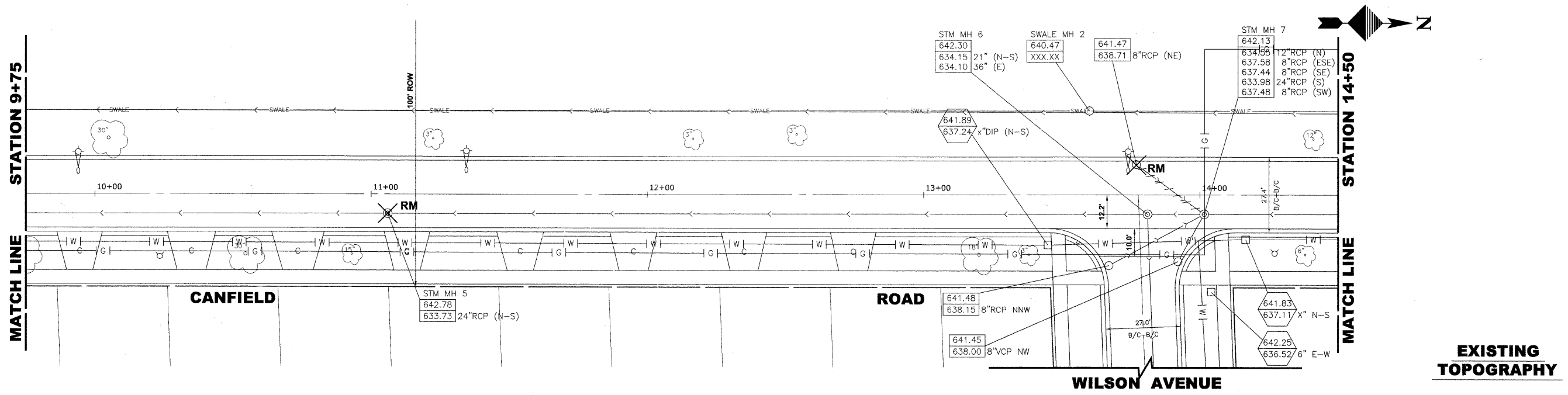
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES PLAN

SCALE: 1"=20'H./2V. SHEET NO. 2 OF 6 SHEETS STA. 4+50 TO STA. 9+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	16
FIELD BOOK NO. 1662		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT

E.H.E. PROJECT NO. 612-10-20901



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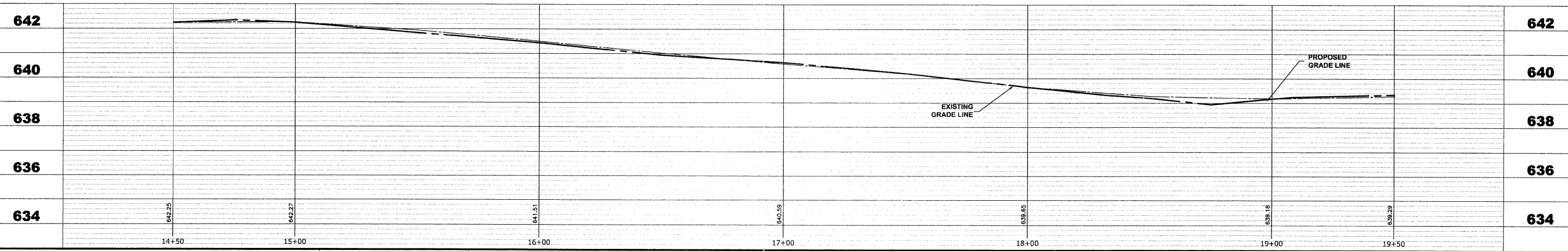
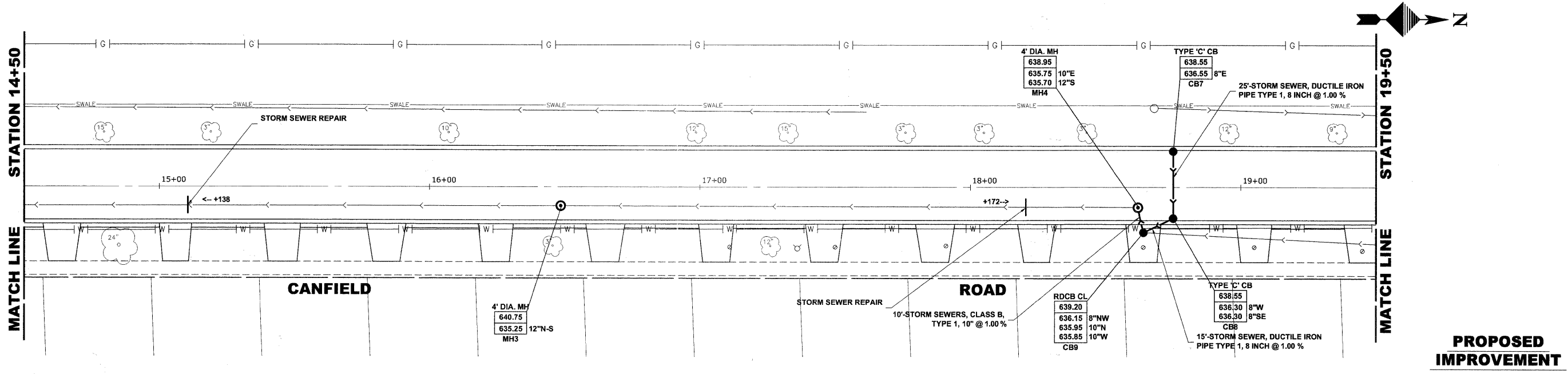
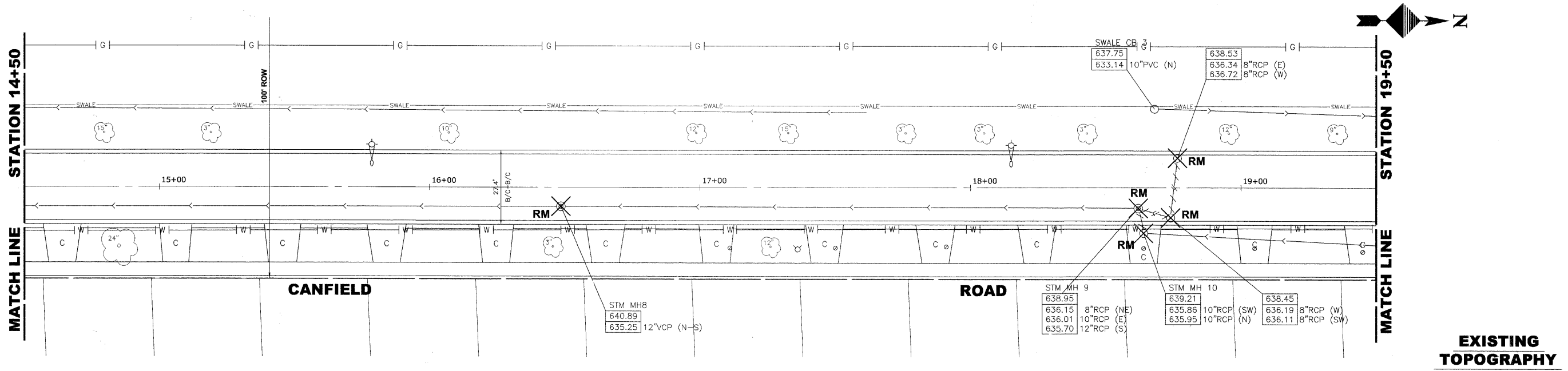
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DATE -	7-1-2011	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES PLAN

SCALE: 1"=20'H/VZ SHEET NO. 3 OF 6 SHEETS STA. 9+75 TO STA. 14+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	10-00061-00-RS	COOK	41	17
FIELD BOOK NO. 1562		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



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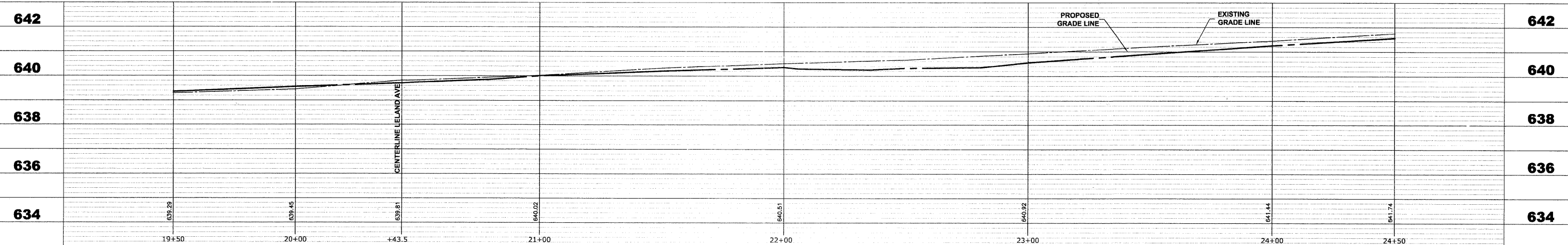
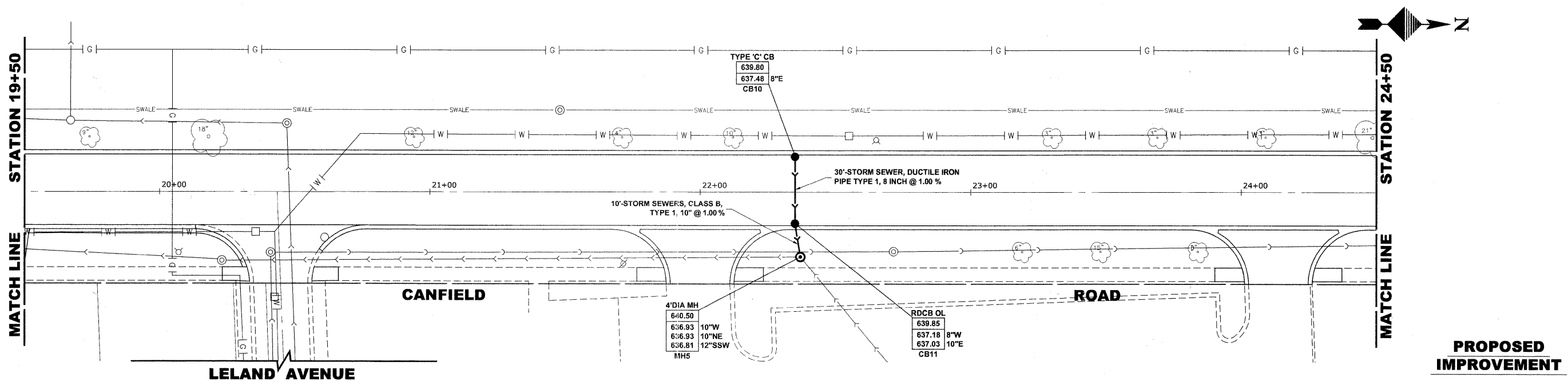
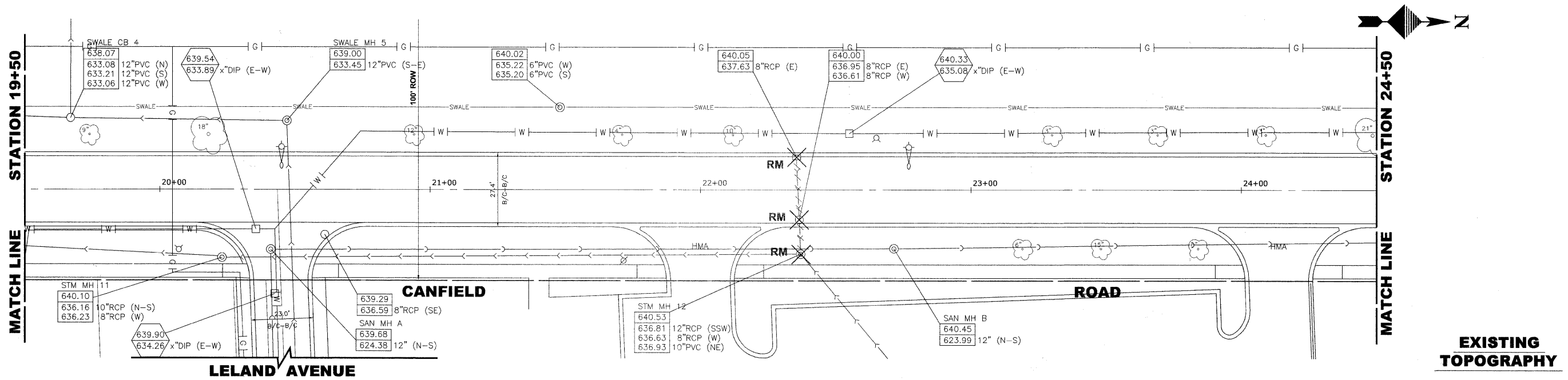
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DRAWN -	LEV, DMM	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

**STATE OF ILLINOIS
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DRAINAGE AND UTILITIES PLAN

SCALE: 1"=20'H/2V. SHEET NO. 4 OF 6 SHEETS STA. 14+50 TO STA. 19+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	18
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	



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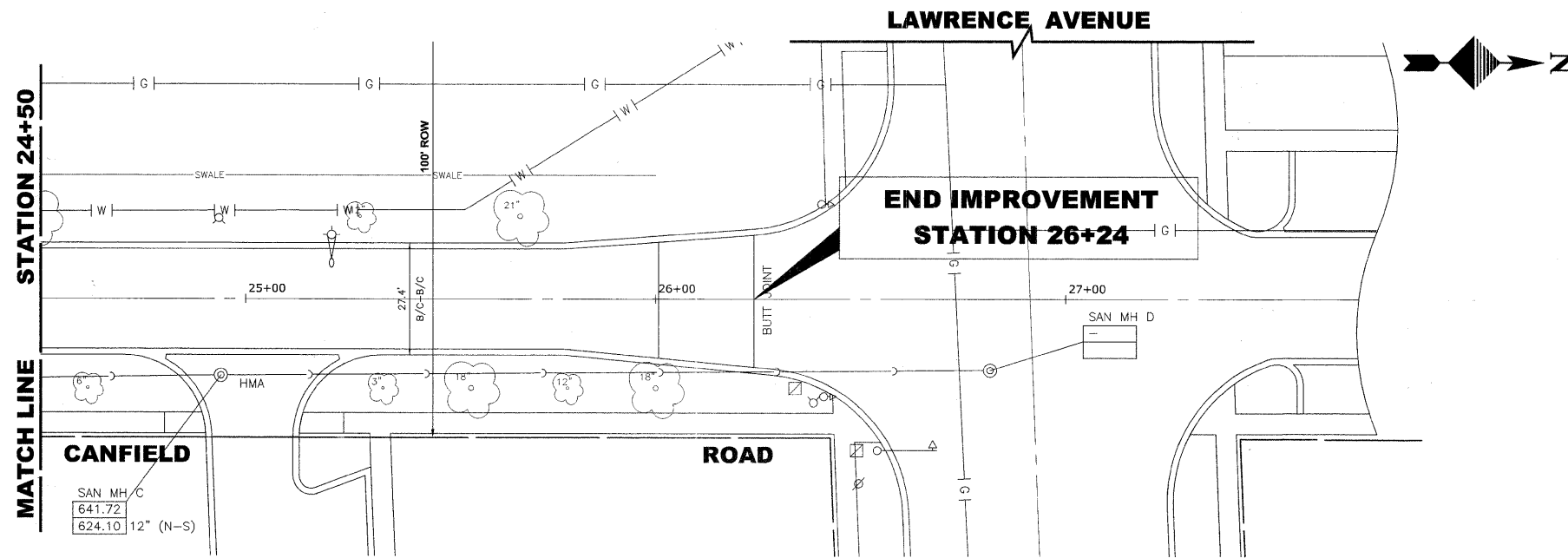
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DATE -	7-1-2011	REVISED -	

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DEPARTMENT OF TRANSPORTATION

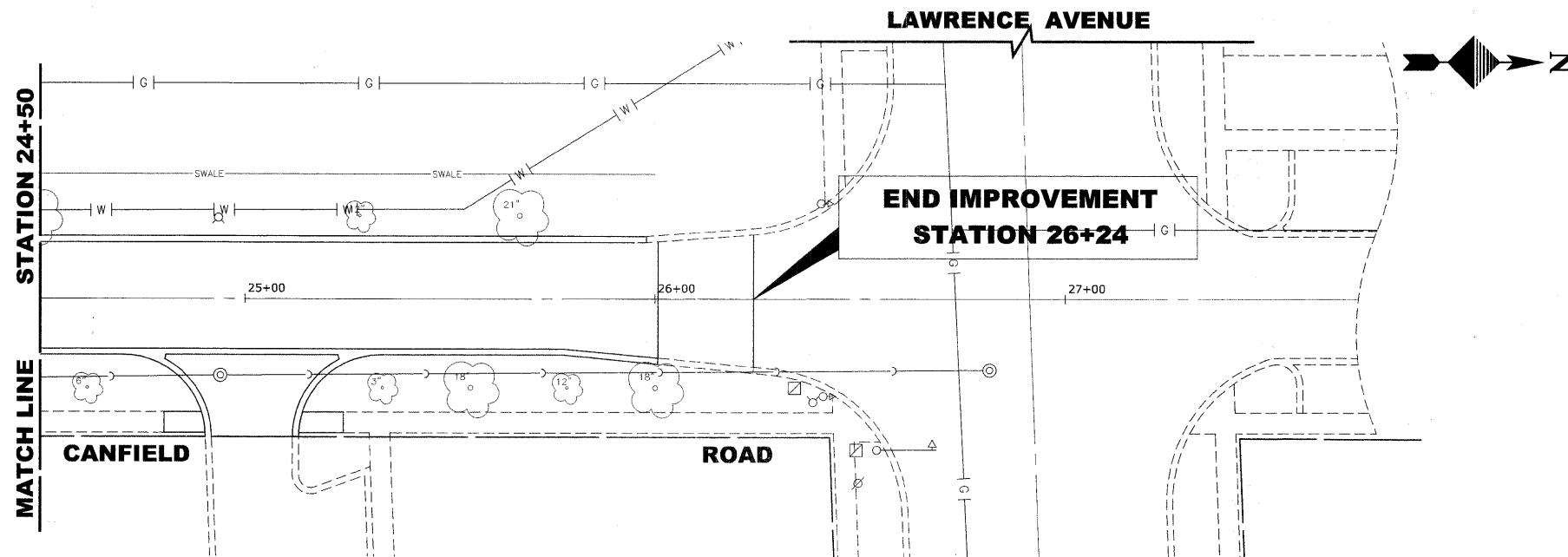
DRAINAGE AND UTILITIES PLAN

SCALE: 1"=20'H/2'V. SHEET NO. 5 OF 6 SHEETS STA. 19+50 TO STA. 24+50

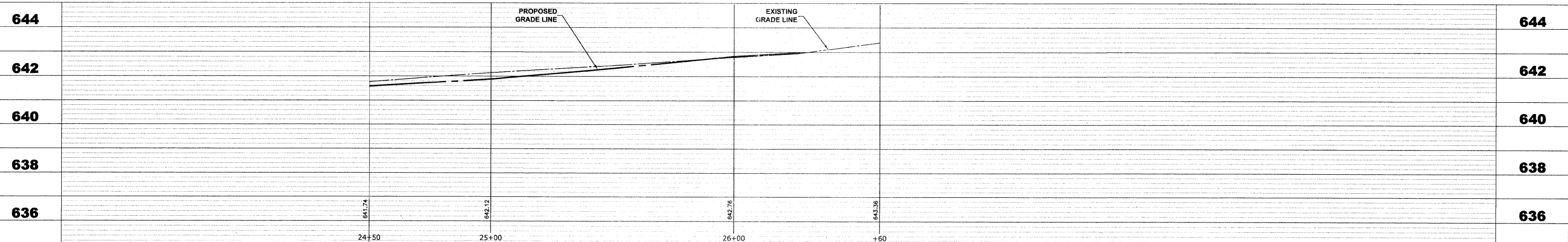
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	19
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



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DRAWN -	LEV, DMM	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES PLAN

SCALE: 1"=20'H./2'V. SHEET NO. 6 OF 6 SHEETS STA. 24+50 TO STA. (END)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	20
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

DRAINAGE AND UTILITIES NOTES

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, COMBINED SEWERS, TELEPHONE LINES, COMMUNICATION LINES, ELECTRIC LINES, GAS MAINS, AND WATER SERVICES ARE APPROXIMATE AND THEIR SPECIFIC LOCATIONS ARE TO BE DETERMINED IN THE FIELD, INCLUDED IN THE COST OF THE RESPECTIVE UNDERGROUND PAY ITEM.

COORDINATION OF ALL UTILITY WORK INVOLVED WITHIN THE CONSTRUCTION AREAS SHALL BE SUBJECT TO DISCUSSION AND CLARIFICATION AT A PRECONSTRUCTION MEETING.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINAGE STRUCTURES OR SEWERS UNTIL PERMANENT CONNECTIONS TO SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL BE INCLUDED IN THE APPLICABLE SEWER CONTRACT ITEMS.

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

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 NORRIDGE AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF NORRIDGE PUBLIC WORKS YARD LOCATED AT THE INTERSECTION OF FOSTER AND CUMBERLAND.

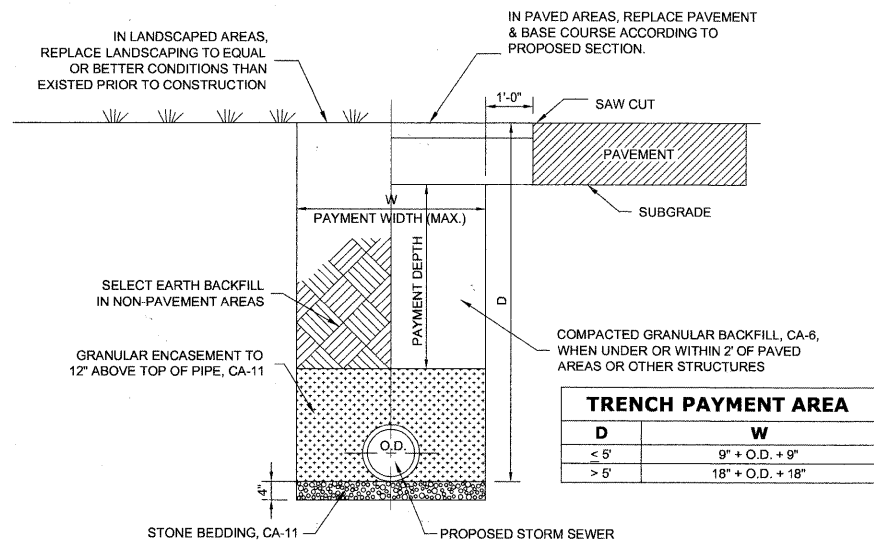
ANY COSTS FOR SHEETING OR SHORING REQUIRED FOR THE STORM SEWER INSTALLATION OR OTHER CONSTRUCTION ELEMENTS REQUIRING RELATIVELY DEEP EXCAVATIONS SHALL BE INCLUDED IN THE PARTICULAR PAYMENT ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY SUPPLEMENTAL WORK ASSOCIATED WITH THE MAINTENANCE OF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

UNLESS OTHERWISE SPECIFIED, ABANDONED SEWERS AND DRAINS, AS DESIGNATED BY THE ENGINEER, SHALL BE PLUGGED WITH CLASS "S" CONCRETE OR BRICK AND SUITABLE MORTAR TO THE SATISFACTION OF THE ENGINEER. 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.

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

TYPE OF PIPE	MATERIAL STANDARD	JOINT STANDARD
REINFORCED CONCRETE PIPE	ASTM C-76	ASTM C-361
POLYVINYLCHLORIDE PIPE (8"-12")	ASTM D-2241	ASTM D-3139

FINAL ADJUSTMENT OF ALL STRUCTURES IN THE PAVEMENT, INCLUDING THOSE IN THE PROPOSED BASE COURSE, SHALL NOT BE COMPLETED UNTIL AFTER THE PLACEMENT OF THE BITUMINOUS CONCRETE BINDER COURSE.



TYPICAL SEWER TRENCH DETAIL

DUCTILE IRON PIPE SPECIFICATIONS

- ALL DUCTILE IRON PIPE SEWER MAINS SHALL BE CLASS 52, CEMENT-LINED AND TAR-COATED, MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSIIAWWA C151/A21.51 WITH "PUSH-ON" JOINTS MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSIIAWWA C111/A21.11. WHERE SPECIFIED ON THE PLANS, OR IN THE SPECIFICATIONS, MECHANICAL JOINTS AND "LOCK-TYPE" JOINTS SHALL BE USED IN LIEU OF "PUSH-ON" JOINTS.
- ALL PIPE FITTINGS AND SPECIAL CASTINGS SHALL BE DUCTILE IRON CONFORMING TO ANSIIAWWA C153/A21.53 AND ANSIIAWWA C111/A21.11 SPECIFICATIONS AND SHALL MEET THE MINIMUM REQUIREMENTS OF CLASS 150 DUCTILE IRON PIPE. IF CERTAIN FITTINGS ARE NOT MANUFACTURED IN DUCTILE IRON, CAST IRON FITTINGS SHALL BE ACCEPTABLE. MECHANICAL JOINT TYPE FITTINGS SHALL BE USED.
- ALL PROPOSED DUCTILE IRON PIPE SEWER MAIN WILL BE ENCASED WITHIN FOUR (4) MIL THICK, HIGH-DENSITY POLYETHYLENE TUBING. ALL FITTINGS SHALL BE ENCASED IN A DOUBLE-LAYER OF POLYETHYLENE TUBING. THE POLYETHYLENE MATERIAL SHALL BE MANUFACTURED AND INSTALLED IN COMPLIANCE WITH ANSIIAWWA C105/A21.5. ALL PROPOSED SEWER SERVICES SHALL BE ENCASED IN POLYETHYLENE TUBING FOR A MINIMUM DISTANCE OF THREE FEET (3') FROM THE PROPOSED SEWER MAIN.

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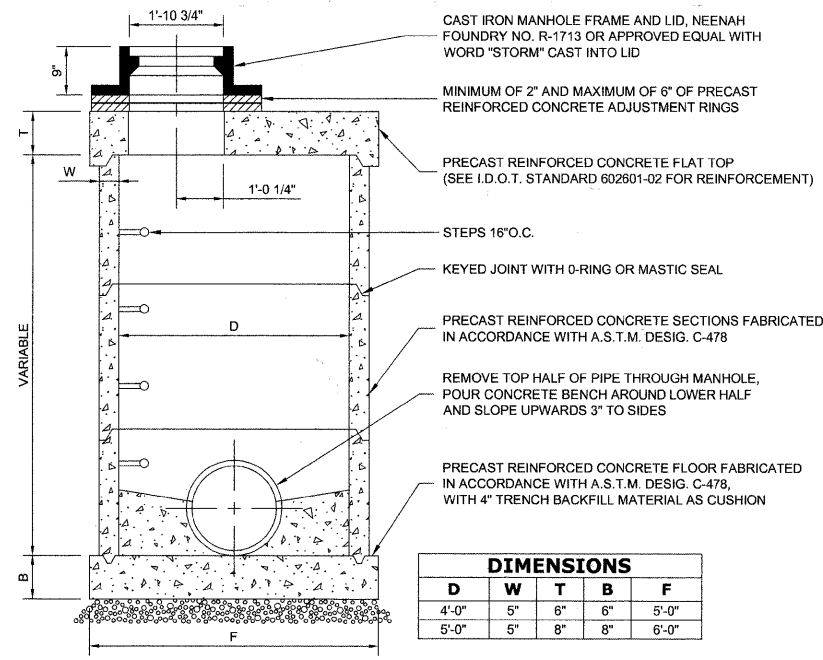
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CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

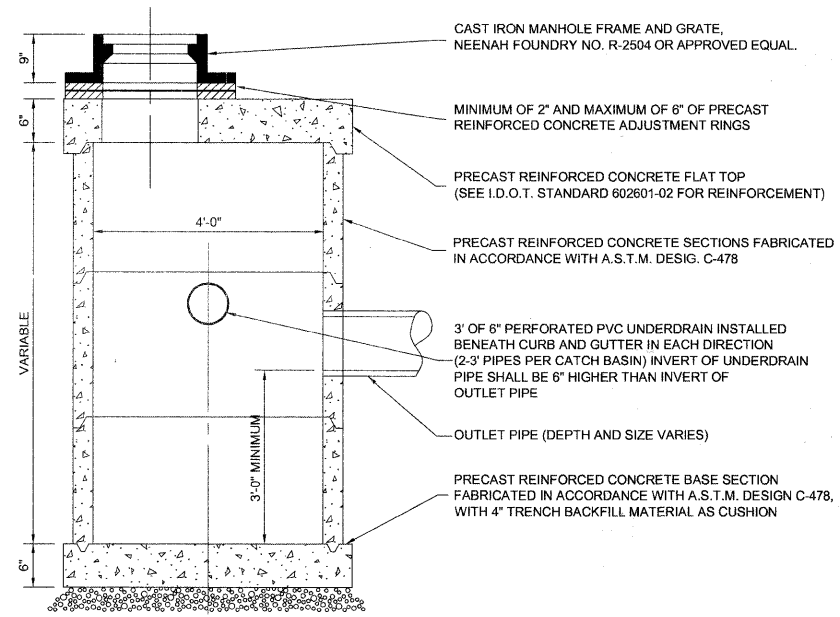
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DEPARTMENT OF TRANSPORTATION**

DRAINAGE DETAILS			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
2763	10-00061-00-RS	COOK	41
FIELD BOOK NO. 1552		CONTRACT NO.	63631
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

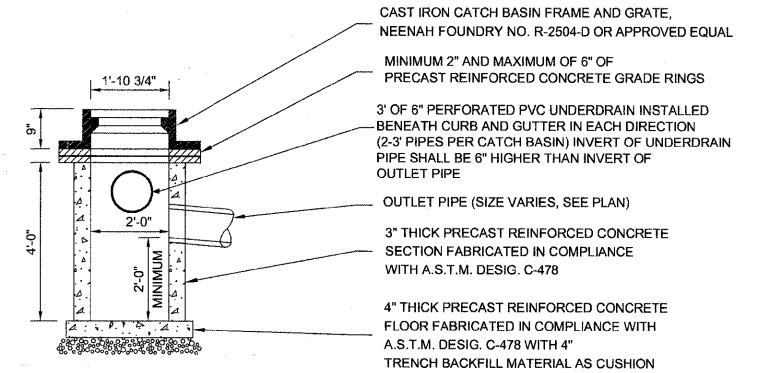
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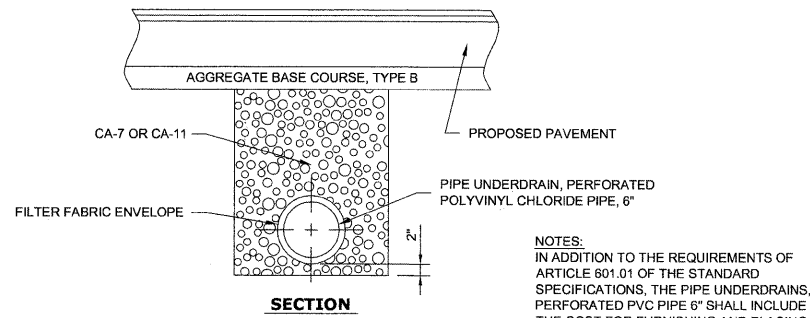
RESTRICTED DEPTH STORM MANHOLE



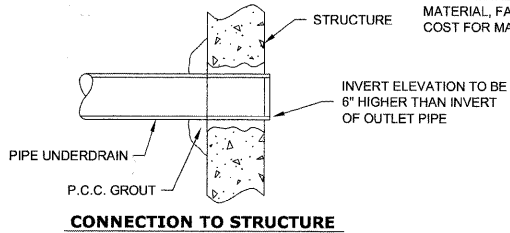
RESTRICTED DEPTH CATCH BASIN



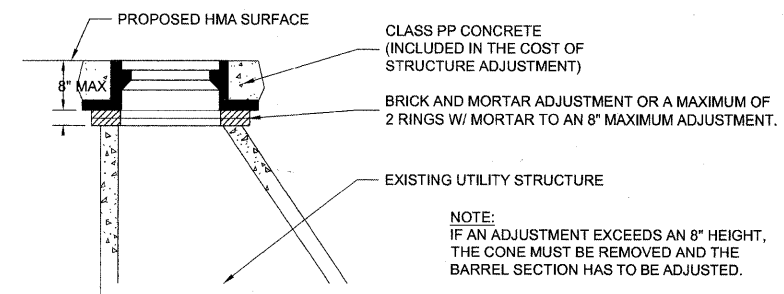
CATCH BASIN, TYPE C, SPECIAL



SECTION



PIPE UNDERDRAIN DETAIL



STRUCTURE ADJUSTMENT

Drawing file: W:\Projects\61210200 - Centfield Road Recm\9_DrainageDetails-Confined.dwg Aug 11, 2011 - 2:11pm



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CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

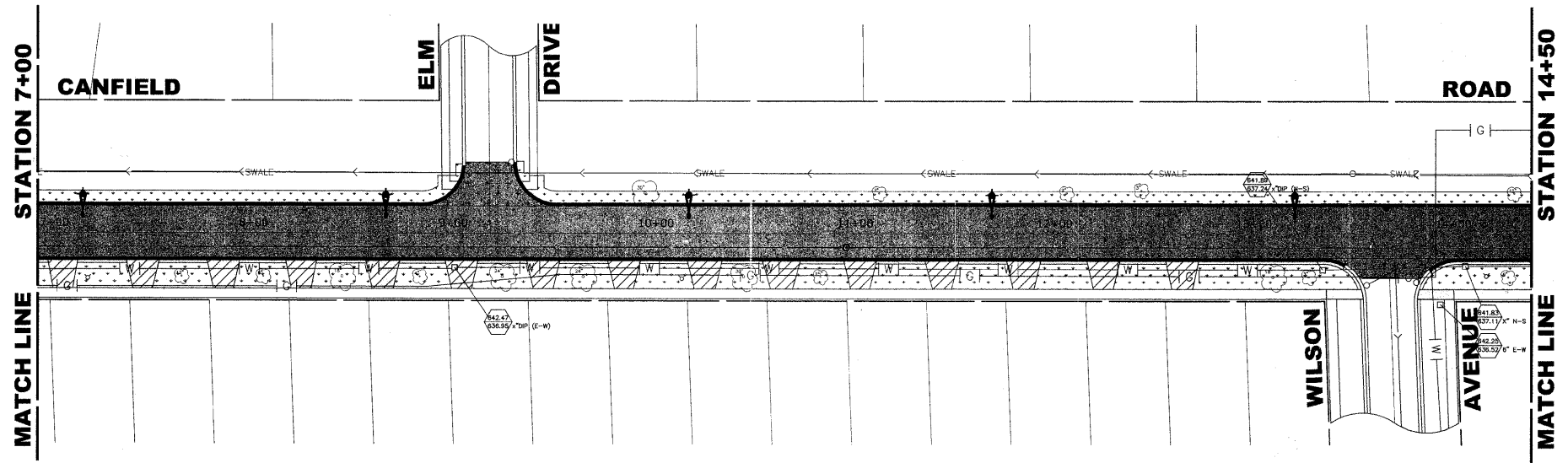
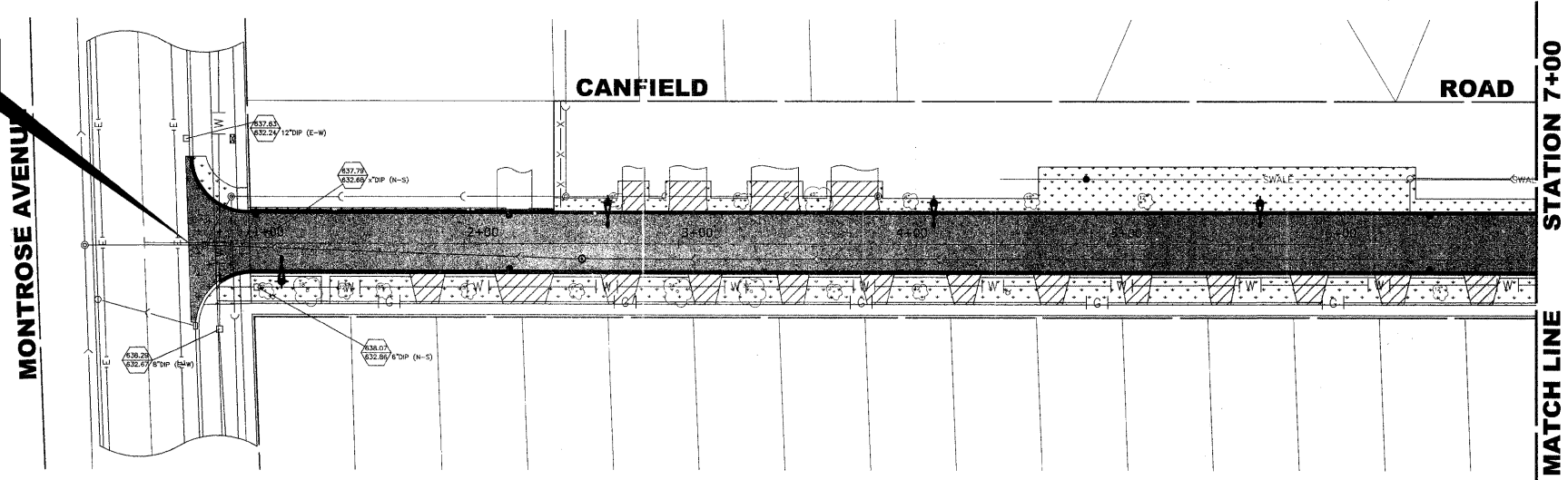
DRAINAGE DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	22
FIELD BOOK NO. 1562		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

E.H.E. PROJECT NO. 612-10-20801

**BEGIN IMPROVEMENT
STATION 0+71**



LANDSCAPING NOTES

SODDING:

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

FERTILIZER NUTRIENTS* FOR SODDING:

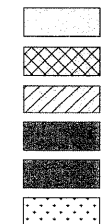
USE A FERTILIZER WITH A 1:1:1 RATIO PER ACRE:
60 LBS. NITROGEN FERTILIZER NUTRIENT
60 LBS POTASSIUM FERTILIZER NUTRIENT

TOTAL: 180 LBS. PER ACRE

4" TOP SOIL LAYER:

SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.

SYMBOL



DESCRIPTION

- PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- PROPOSED HIGH-EARLY STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 7"
- PROPOSED PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH, SPECIAL
- PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
- PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 3/4"
- PROPOSED SODDED PARKWAY

Drawing file: W:\Projects\151210209 - Canfield Road Recon\01_Canfield 40scale.dwg Aug 11, 2011 - 2:13pm



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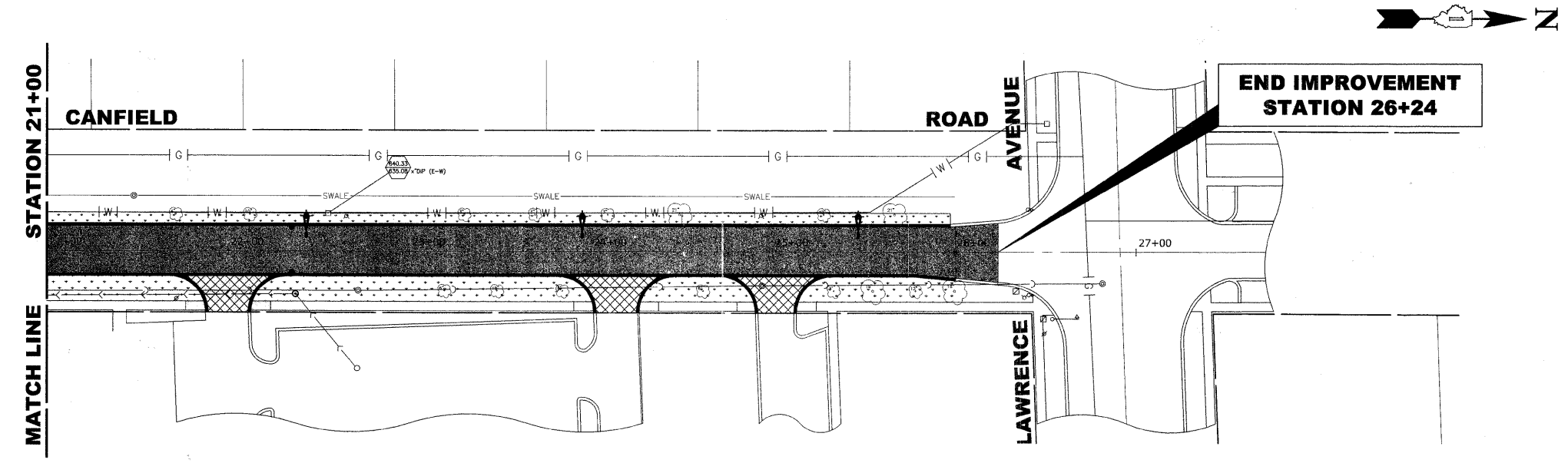
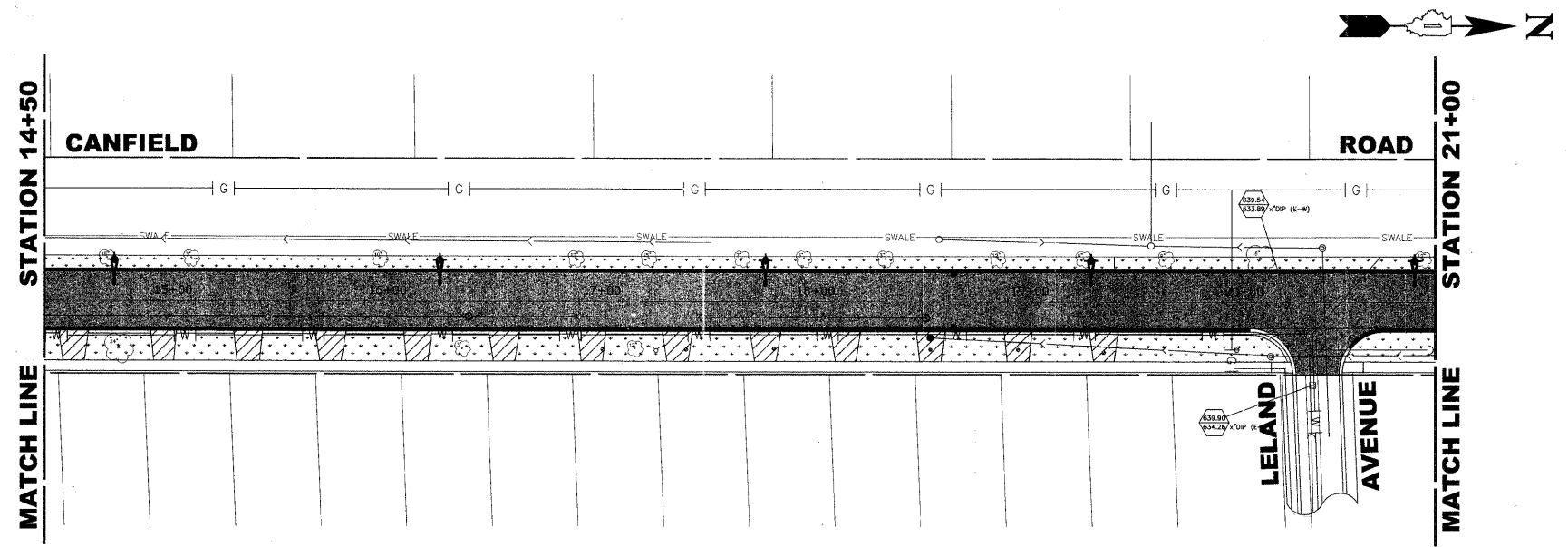
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DRAWN -	LEV, DMM	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ASPHALT AND LANDSCAPING PLAN

SCALE: 1" = 40' SHEET NO. 1 OF 2 SHEETS STA. 0+71 TO STA. 14+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	23
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



LANDSCAPING NOTES

SODDING:

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

FERTILIZER NUTRIENTS* FOR SODDING:

USE A FERTILIZER WITH A 1:1:1 RATIO PER ACRE:
 60 LBS. NITROGEN FERTILIZER NUTRIENT
 60 LBS POTASSIUM FERTILIZER NUTRIENT
 TOTAL: 180 LBS. PER ACRE

4" TOP SOIL LAYER:

SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.

SYMBOL

DESCRIPTION

	PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
	PROPOSED HIGH-EARLY STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 7"
	PROPOSED PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 5 INCH, SPECIAL
	PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7"
	PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 3/4"
	PROPOSED SODDED PARKWAY

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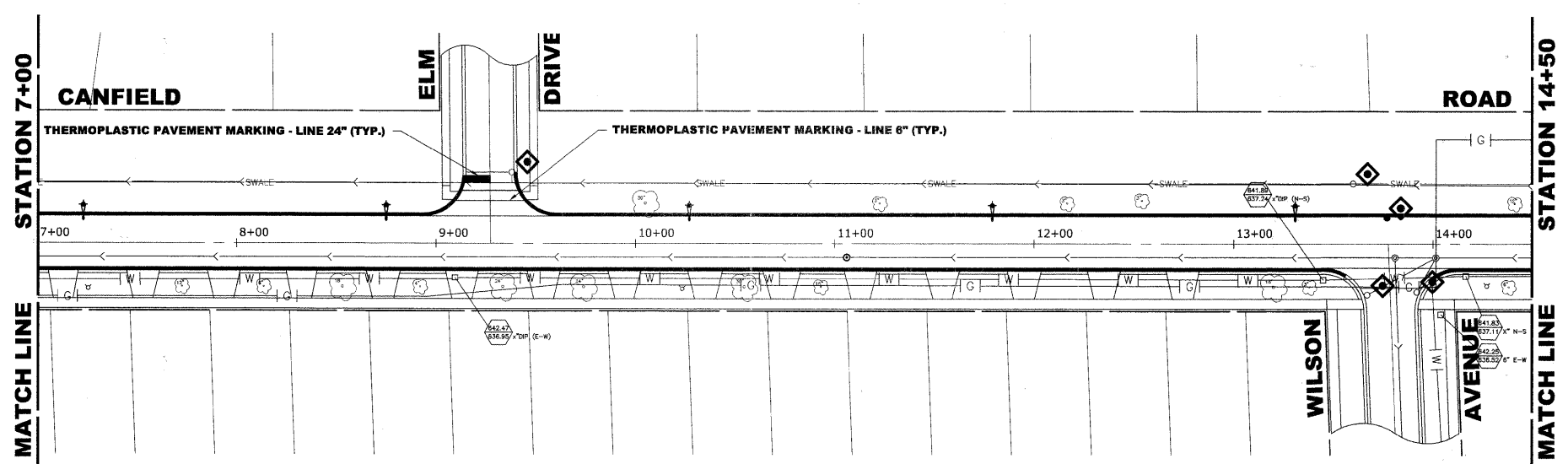
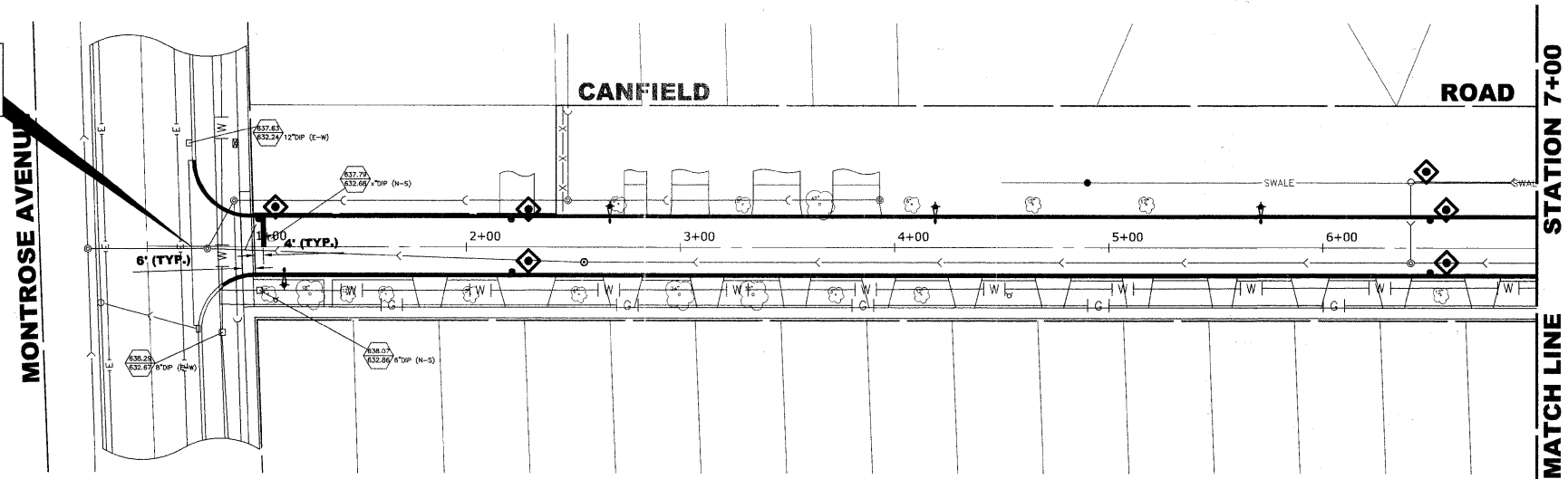
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ASPHALT AND LANDSCAPING PLAN

SCALE: 1" = 40' SHEET NO. 2 OF 2 SHEETS STA. 14+50 TO STA. 26+24

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	24
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

**BEGIN IMPROVEMENT
STATION 0+71**



EROSION CONTROL NOTES

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

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
	INLET FILTER PROTECTION

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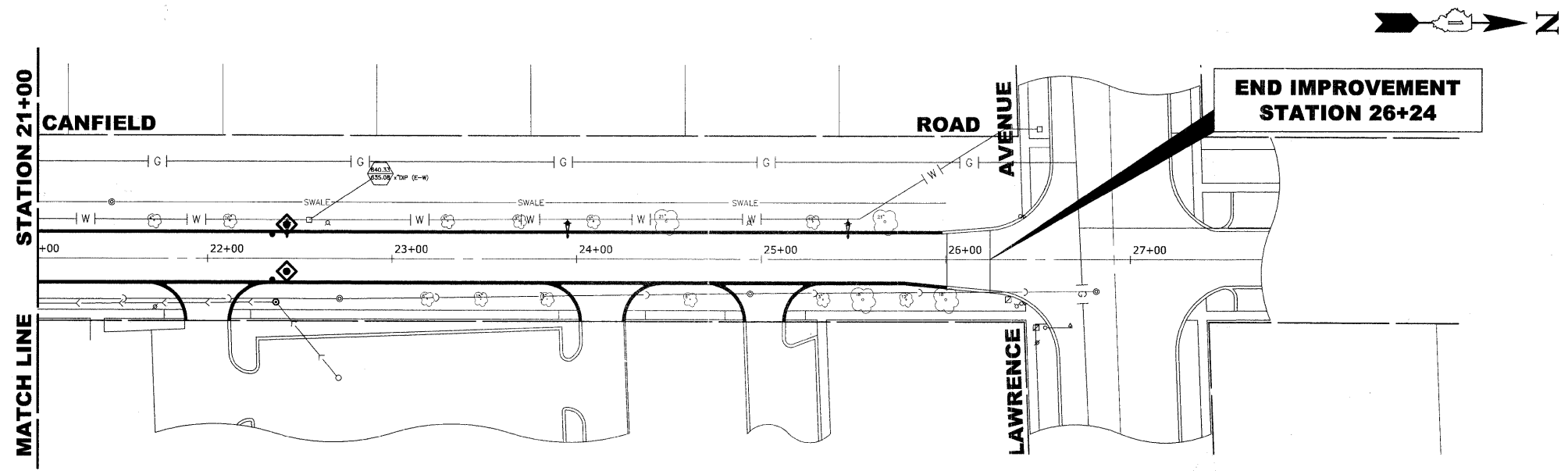
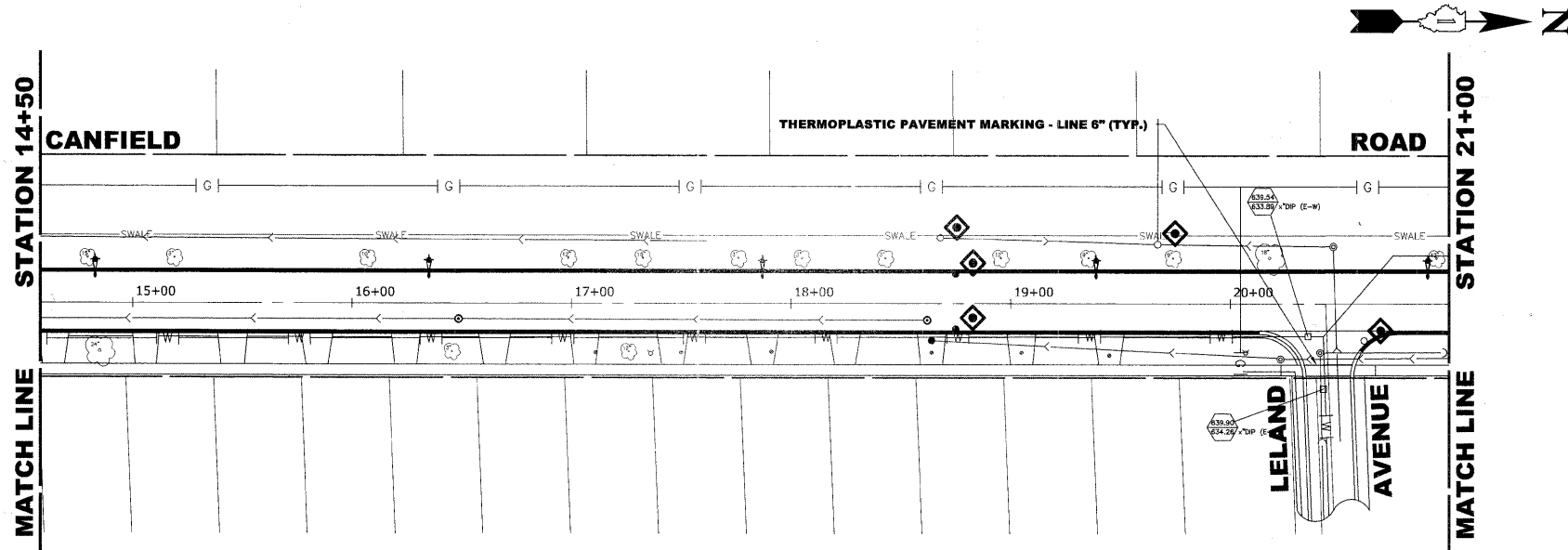
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND
EROSION CONTROL PLAN**

SCALE: 1" = 40' SHEET NO. 1 OF 2 SHEETS STA. 0+71 TO STA. 14+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	10-00061-00-RS	COOK	41	25
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 612-10-20901



EROSION CONTROL NOTES

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

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
◊	INLET FILTER PROTECTION

DESIGNED -	CB	REVISED -	
DRAWN -	LEV, DMM	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND
EROSION CONTROL PLAN**

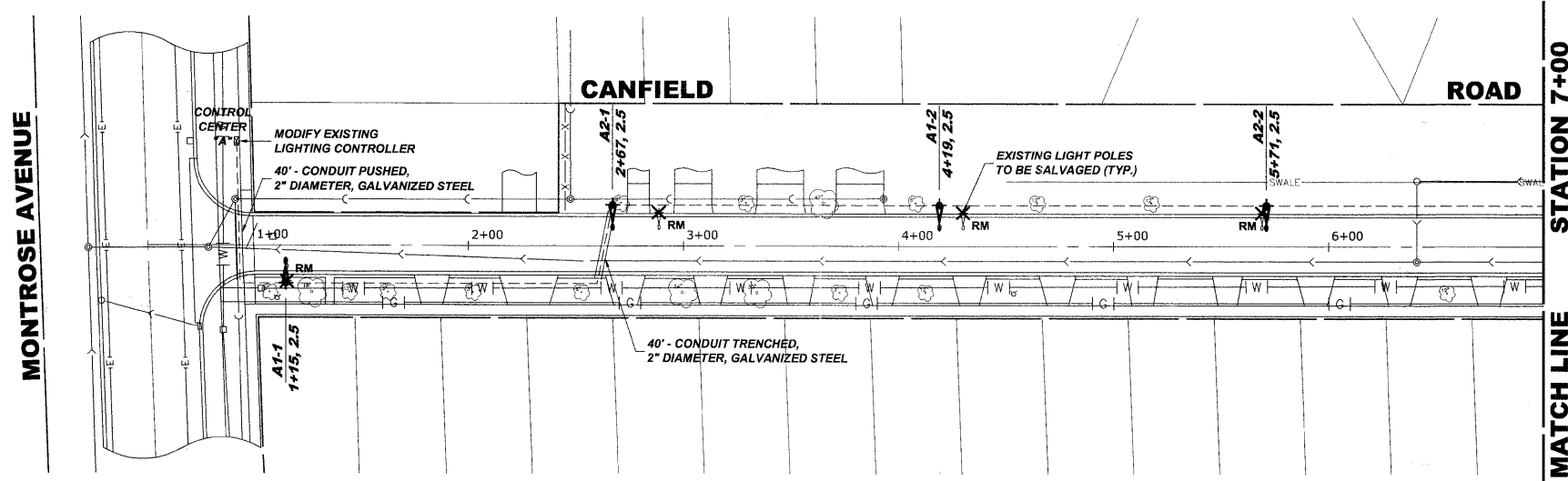
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	26
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

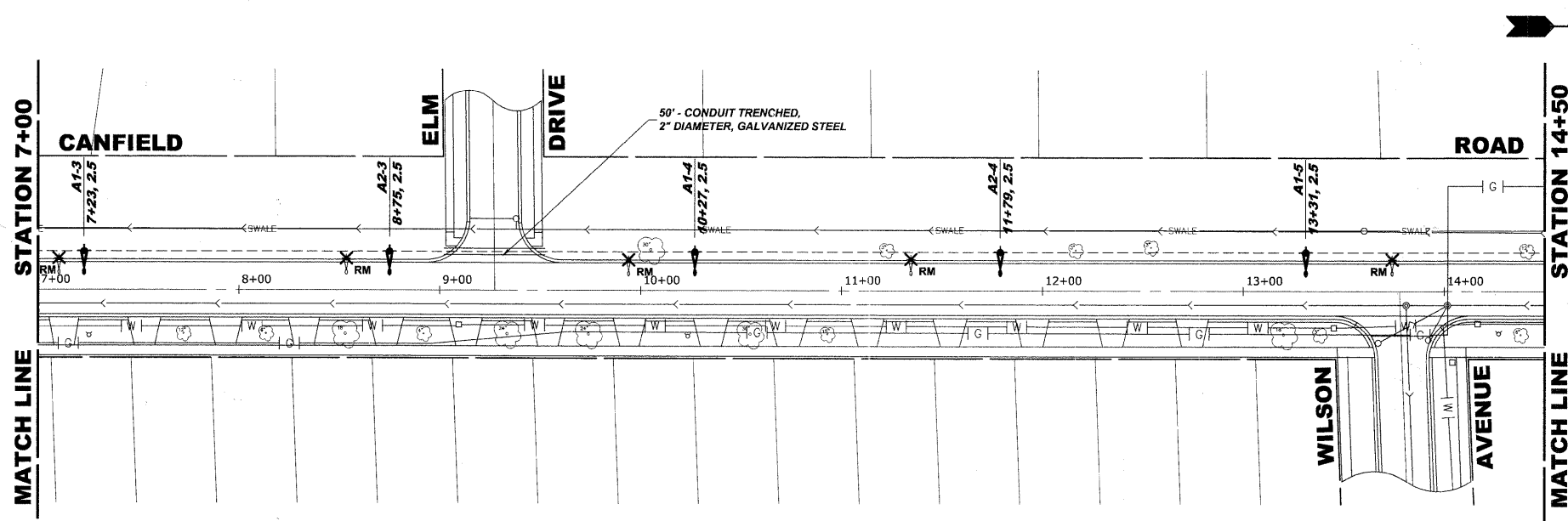
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 Fax: 708/865-1212



LEGEND OF SYMBOLS	
	EXISTING CONTROL CENTER
	EXISTING LIGHT POLE AND FIXTURE TO BE REMOVED
	PROPOSED 30' MOUNTING HEIGHT POLE WITH 8' MAST ARM AND 150 WATT HIGH PRESSURE SODIUM LAMP
	PROPOSED UNIT DUCT WITH 3-1/2" No. 6 & 1-1/2" No. 8 GROUND, 600V (XLP-TYPE USE), 1" DIAMETER, BORED & PULLED OR AS NOTED
	PROPOSED RIGID GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED AS NOTED
	CONTROLLER IDENTIFICATION (TYP.)
	CIRCUIT NUMBER (TYP.)
	POLE NUMBER (TYP.)
	SET BACK FROM BACK OF CURB (TYP.)
	STATION NUMBER (TYP.)



Drawing file: W:\Projects\61210209 - Canfield Road Recon\91_Canfield 40scale.dwg Aug 11, 2011 - 2:12pm

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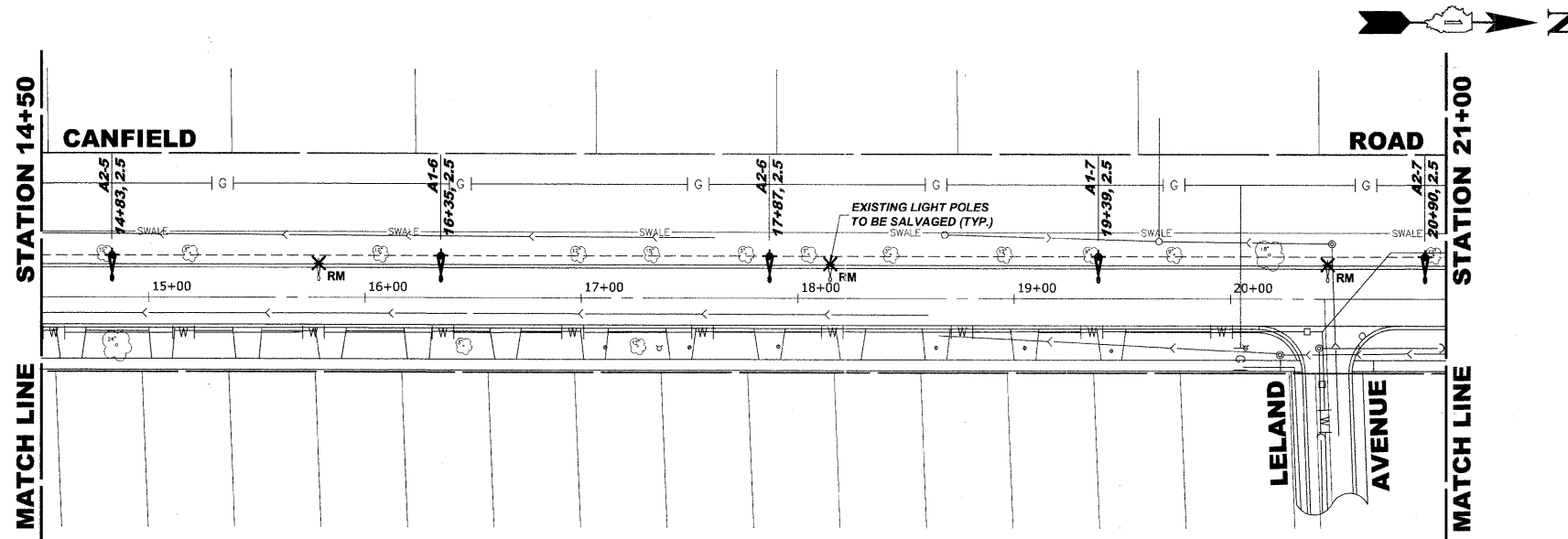
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STREET LIGHTING PLAN

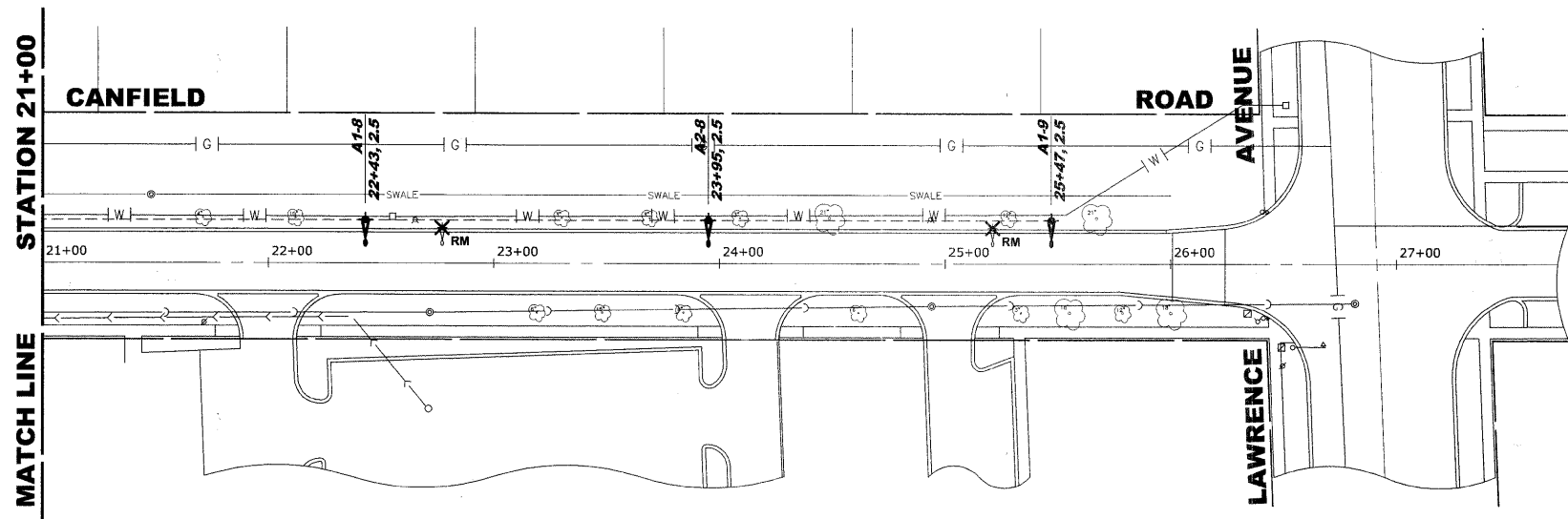
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	27
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 612-10-20901



LEGEND OF SYMBOLS	
	EXISTING CONTROL CENTER
	EXISTING LIGHT POLE AND FIXTURE TO BE REMOVED
	PROPOSED 30' MOUNTING HEIGHT POLE WITH 8' MAST ARM AND 150 WATT HIGH PRESSURE SODIUM LAMP
	PROPOSED UNIT DUCT WITH 3-1/2\"/>
	PROPOSED RIGID GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED AS NOTED
	CONTROLLER IDENTIFICATION (TYP.)
	CIRCUIT NUMBER (TYP.)
	POLE NUMBER (TYP.)
	SET BACK FROM BACK OF CURB (TYP.)
	STATION NUMBER (TYP.)



Drawing file: W:\Projects\61210209 - Canfield Road Recon\91_Canfield 40scale.dwg Aug 11, 2011 - 2:12pm



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DRAWN -	LEV, DMM	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

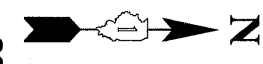
STATE OF ILLINOIS
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STREET LIGHTING PLAN

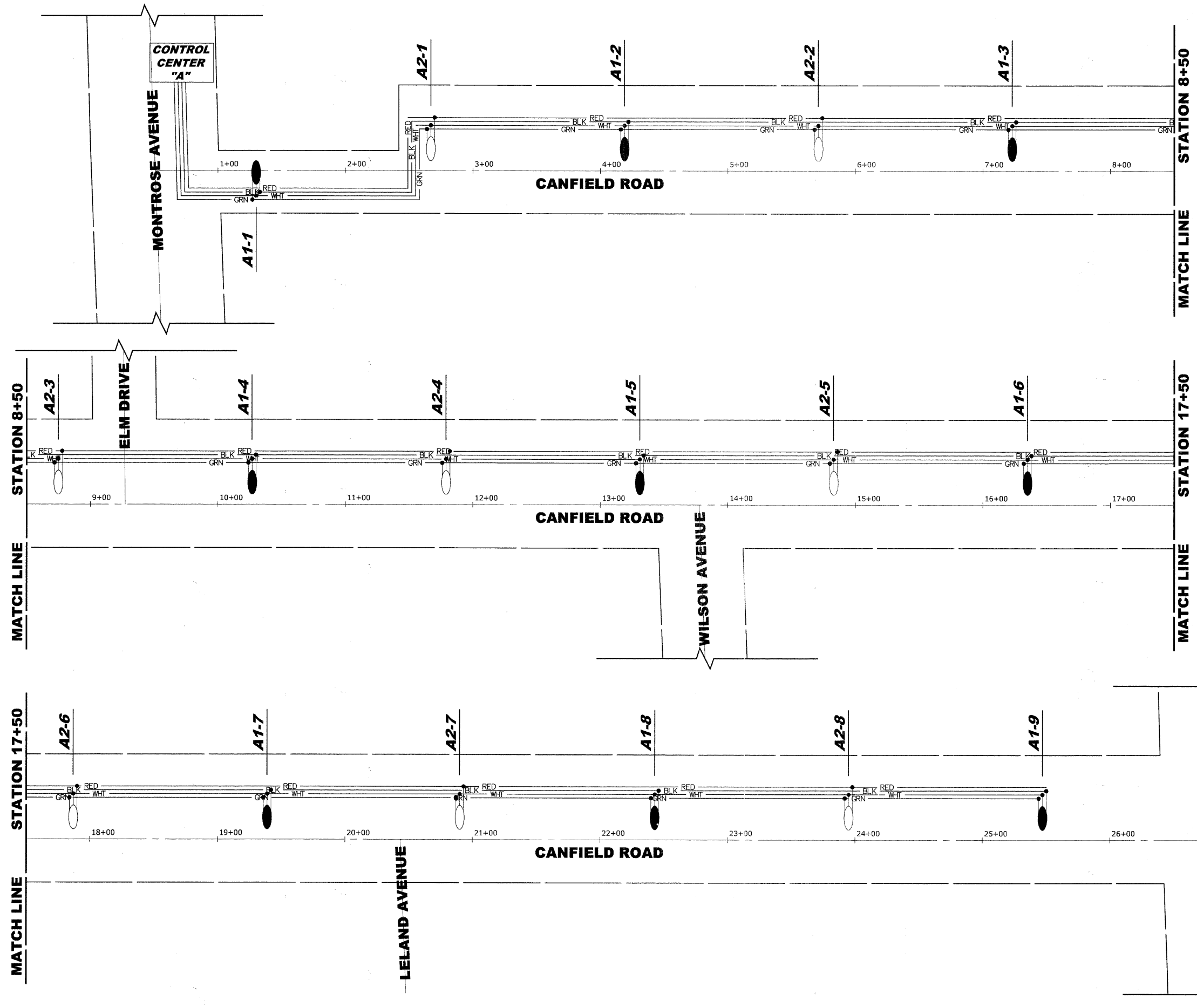
SCALE: 1" = 40' SHEET NO. 2 OF 2 SHEETS STA. 14+50 TO STA. 26+24

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	10-00061-00-RS	COOK	41	28
FIELD BOOK NO. 1552		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 612-10-20901



LEGEND OF SYMBOLS	
	240 VOLT PHASE CABLE (BLACK)
	240 VOLT PHASE CABLE (RED)
	240 VOLT NUETRAL CABLE (WHITE)
	GROUND WIRE (GREEN)
	SPLICE
	PROPOSED 150 WATT HPS ROADWAY LUMINAIRE (240 VOLT) ON BLACK WIRE
	PROPOSED 150 WATT HPS ROADWAY LUMINAIRE (240 VOLT) ON RED WIRE
A1-1	PROPOSED CIRCUIT/POLE NUMBER



Drawing file: W:\Projects\61210209 - Canfield Road Recon\31_Canfield 40cable.dwg Aug 11, 2011 - 2:12pm

HANCOCK ENGINEERING

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

9953 Roosevelt Road
Westchester, Illinois 60154-2799
Phone: 708-965-9300
Fax: 708-965-1212

DESIGNED -	CB	REVISED -	
DRAWN -	LEV, DMM	REVISED -	
CHECKED -	JGG	REVISED -	
DATE -	7-1-2011	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

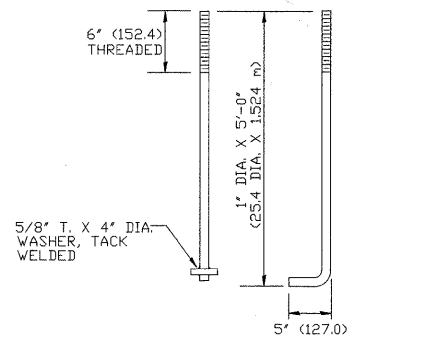
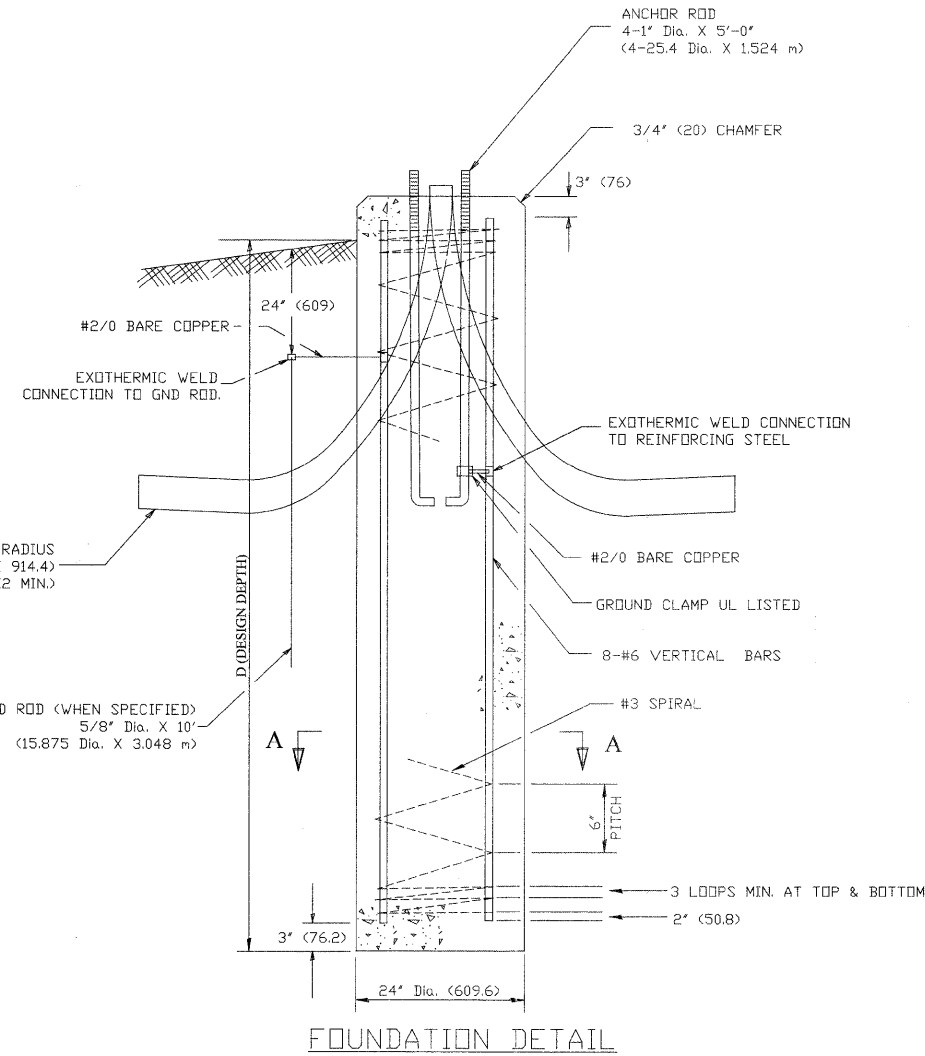
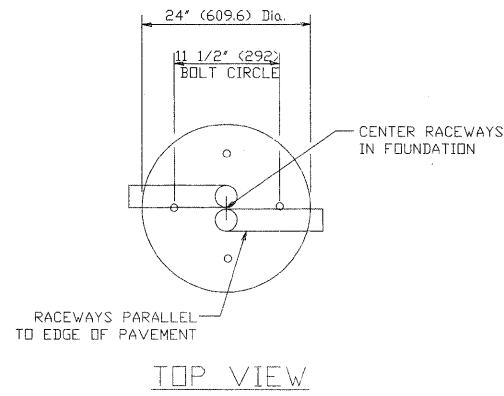
LIGHTING WIRING DIAGRAM

SCALE: 1" = 40' SHEET NO. 1 OF 1 SHEETS STA. 0+71 TO STA. 26+24

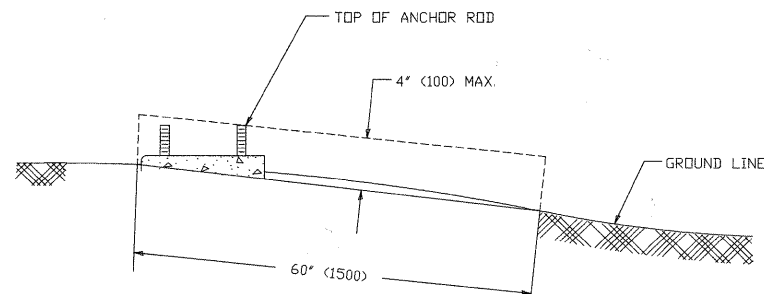
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	29
FIELD BOOK NO. 1562		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

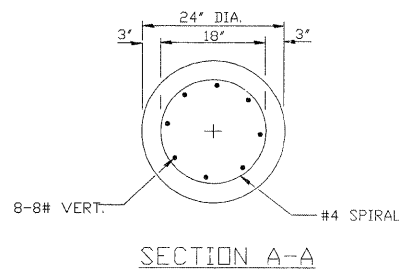
SOIL CONDITIONS	DESIGN DEPTH 'D' OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT.	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND φ = 34°	9'-6" (2.90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



ANCHOR BOLT DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

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

USER NAME =	DESIGNED CB	REVISED -
PLOT SCALE =	DRAWN LEV, DMM	REVISED -
PLOT DATE =	CHECKED JGG	REVISED -
	DATE 7/1/2011	REVISED - 8-15-2011 IDOT FINAL

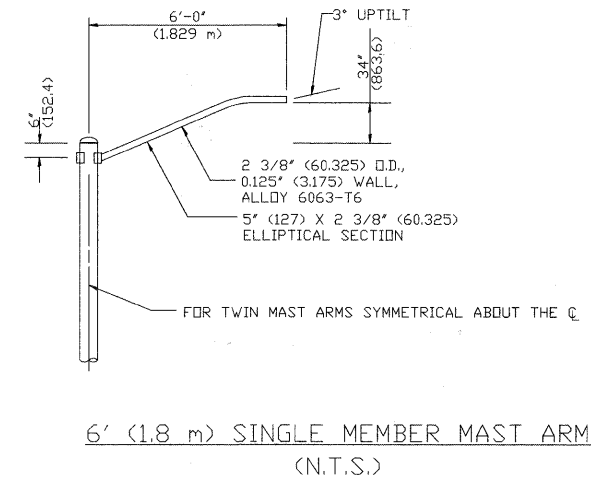
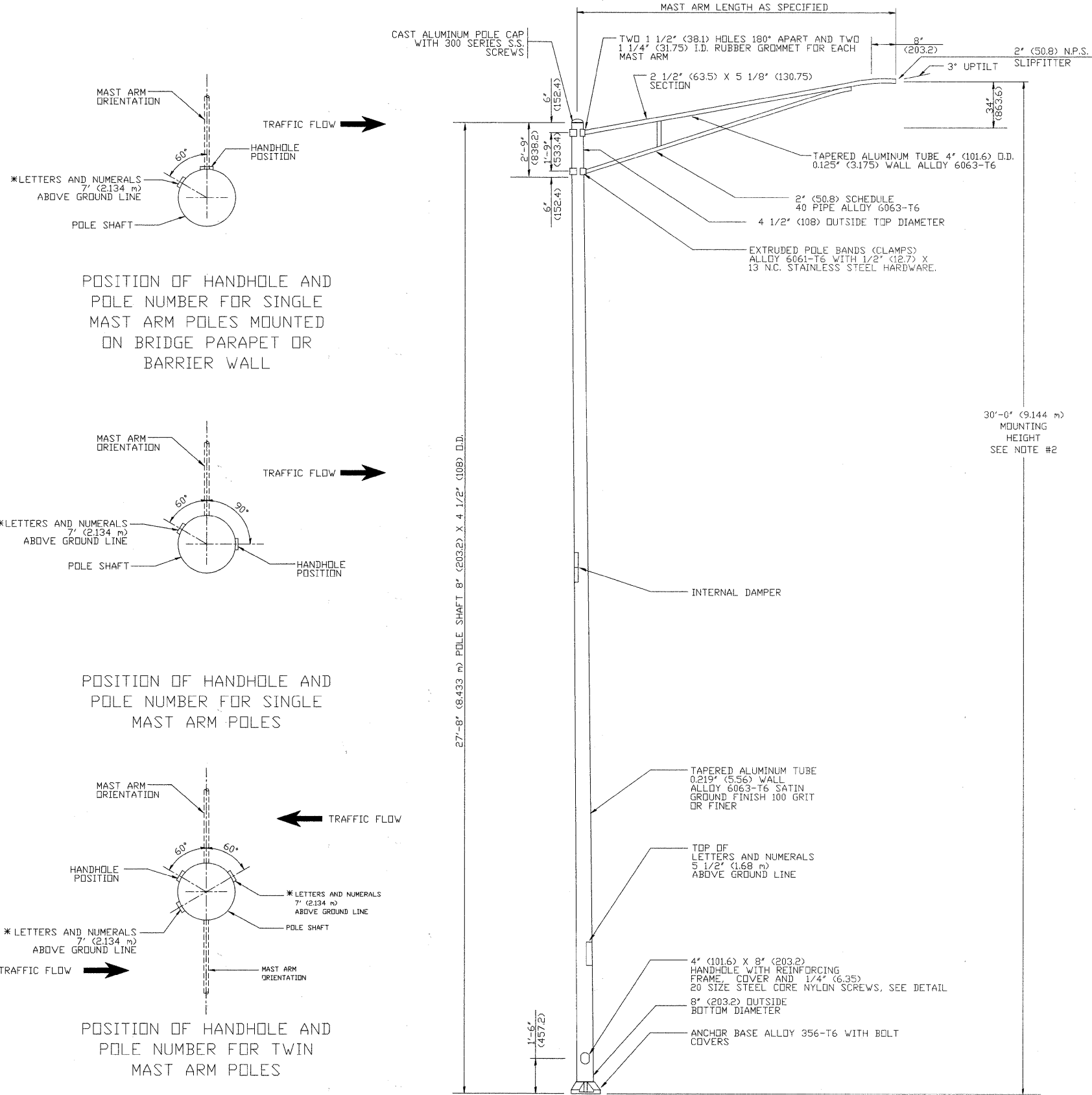
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

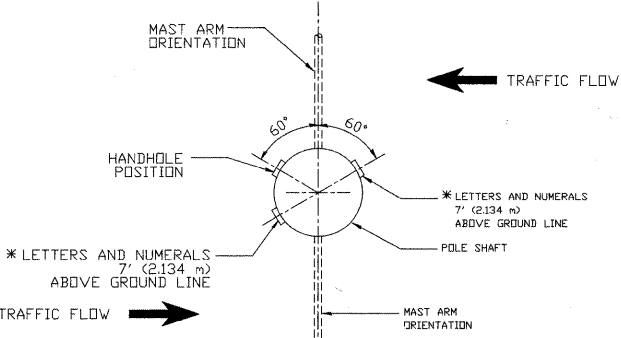
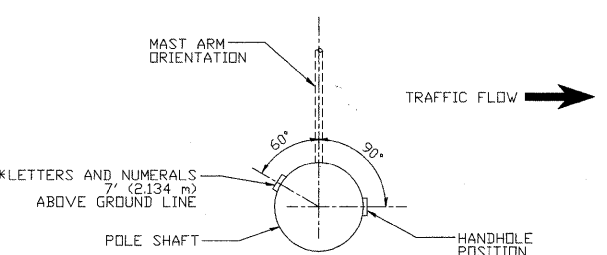
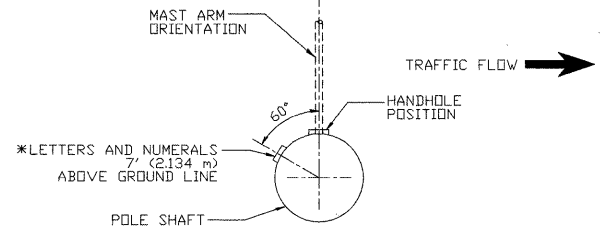
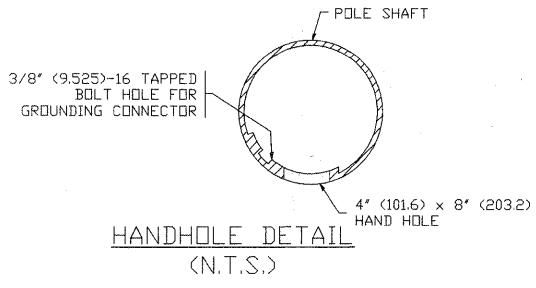
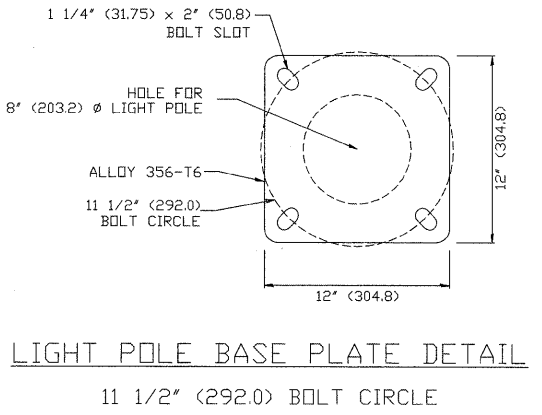
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	30
BE-300			CONTRACT NO. 63631	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Drawing file: W:\Projects\61210200 - Canfield Road Rec'n\92_Lighting\Detail-Cenfield.dwg Aug 11, 2011 - 2:19pm



- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENDON TO THE BOTTOM OF THE ANCHOR BASE.
 3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
 5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES

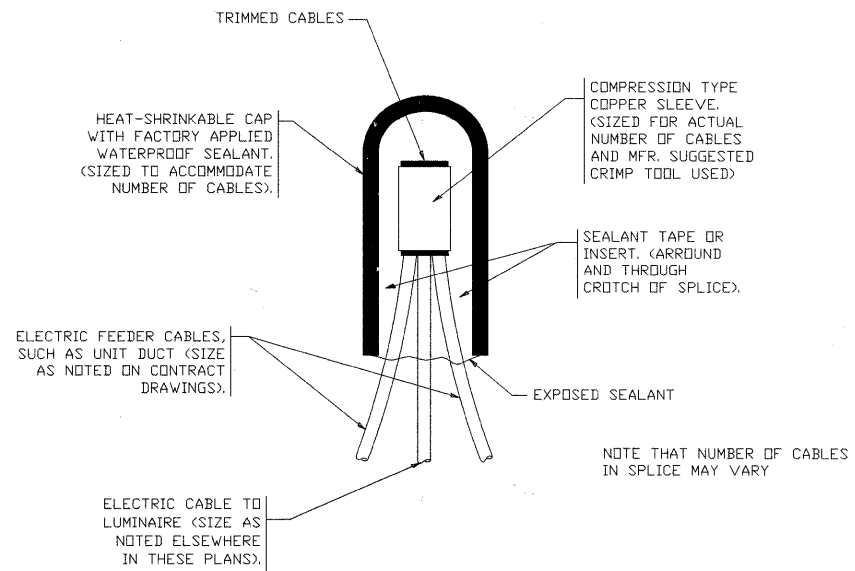
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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE 6/08/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALUMINUM LIGHT POLE
30'-0" (9.144 m) MOUNTING HEIGHT**

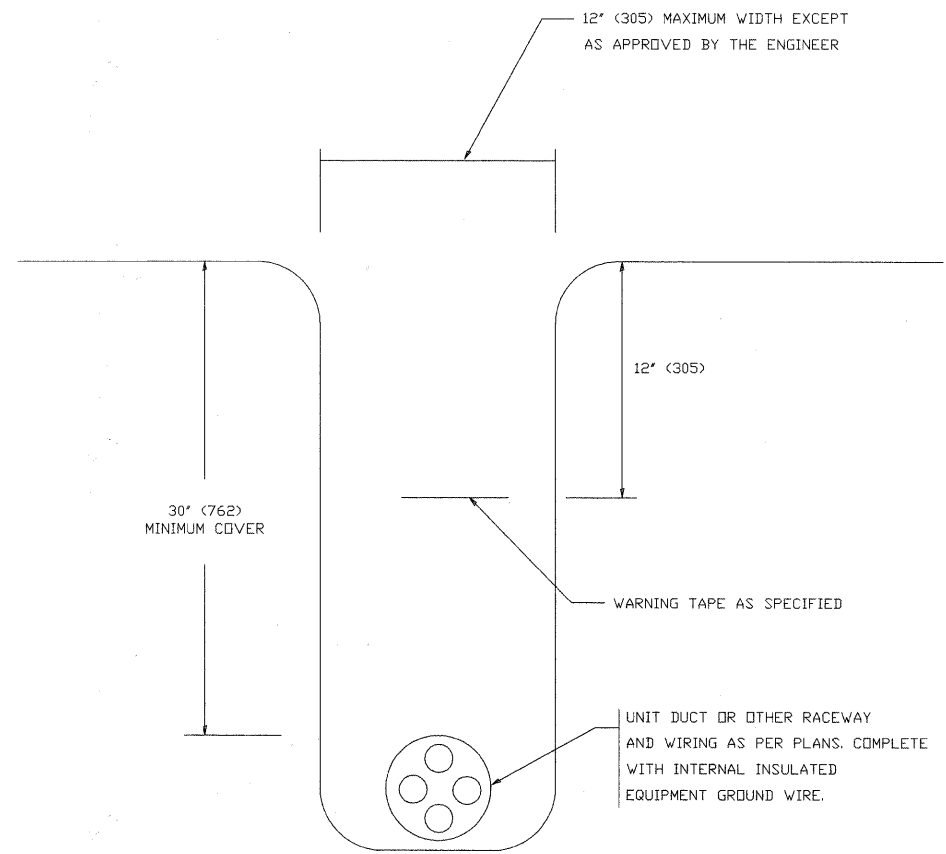
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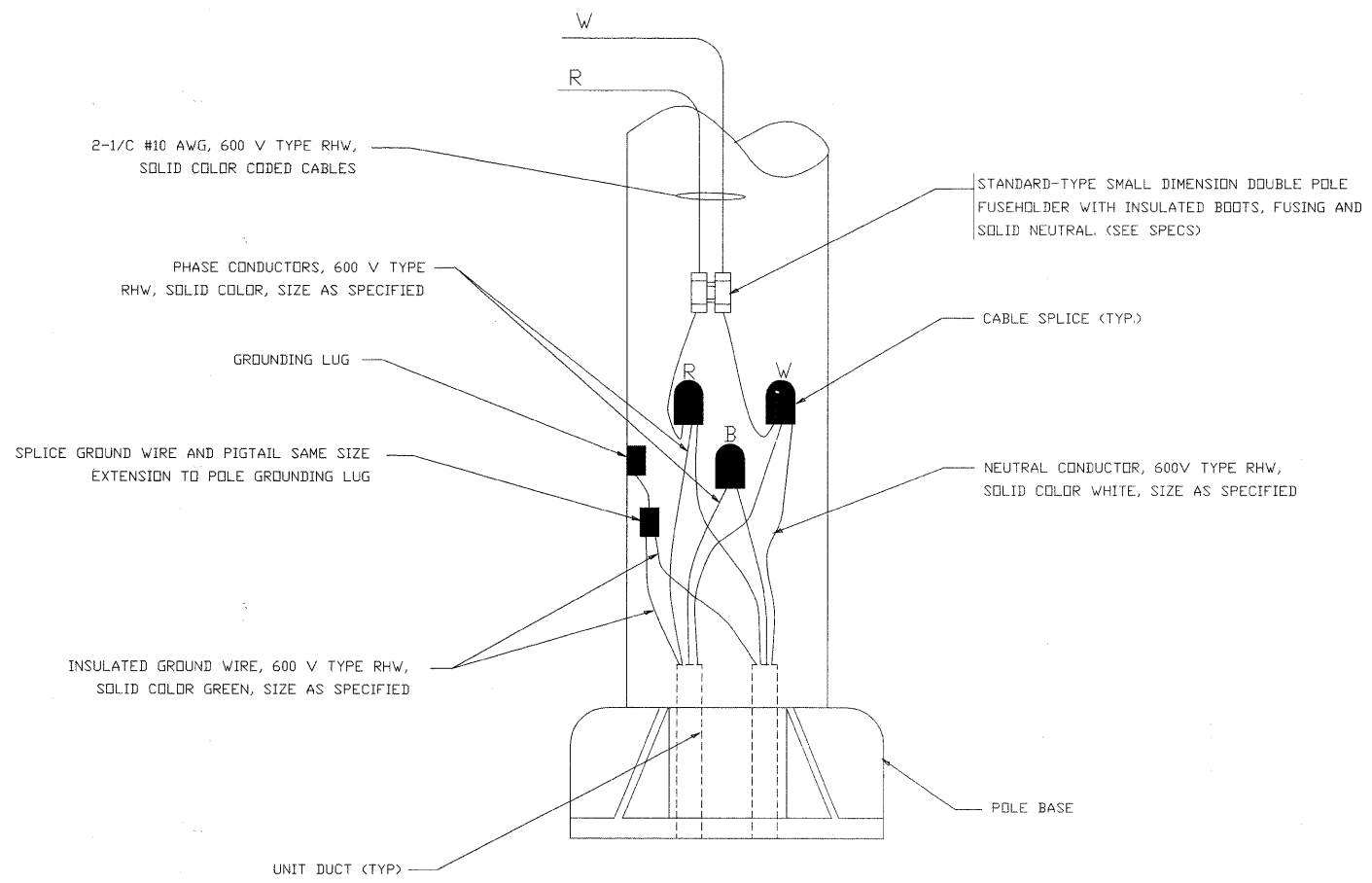


TYPICAL SPLICE DETAIL
N.T.S.

NOTE THAT NUMBER OF CABLES
IN SPLICE MAY VARY



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

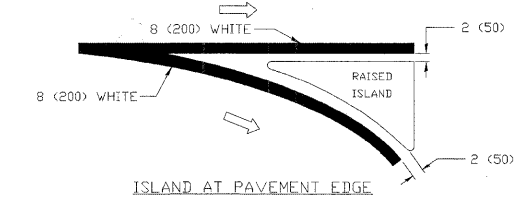
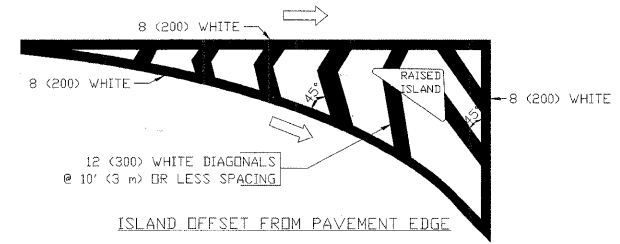
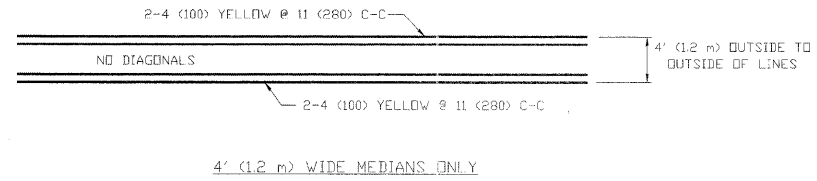
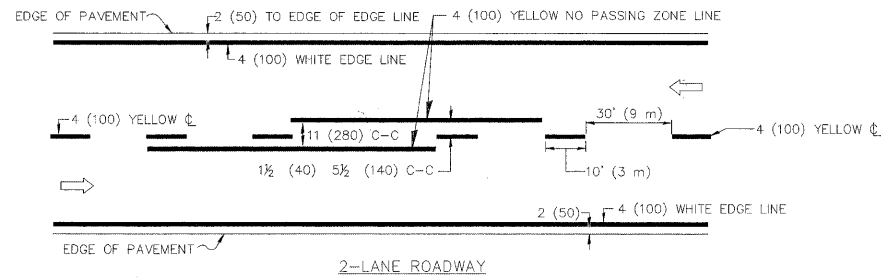
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PLOT DATE =	CHECKED -	REVISED -	
	DATE 6/08/2011	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

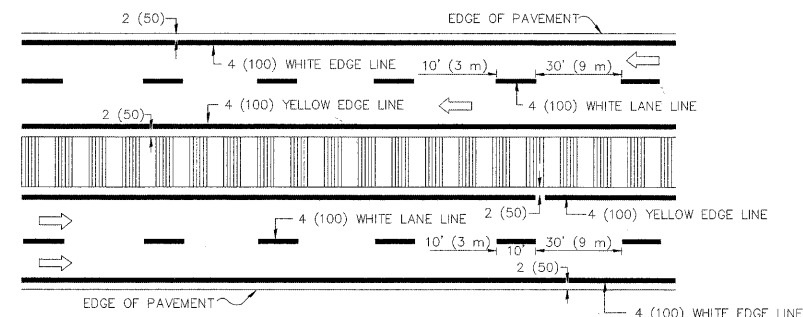
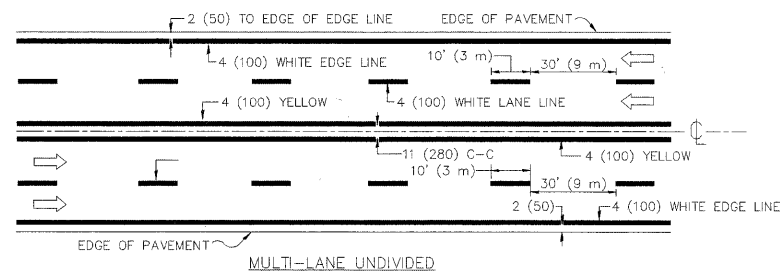
MISC. ELECTRICAL DETAILS
SHEET A

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BE-702			CONTRACT NO. 63631	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

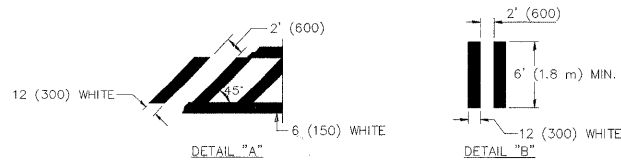
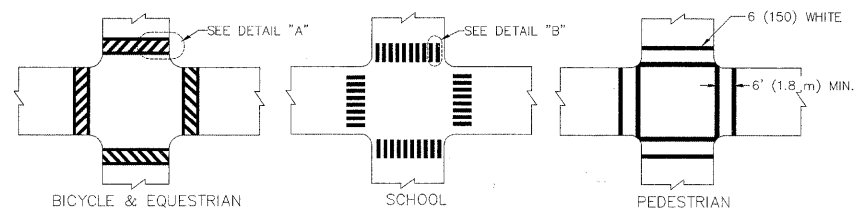


TYPICAL ISLAND MARKING

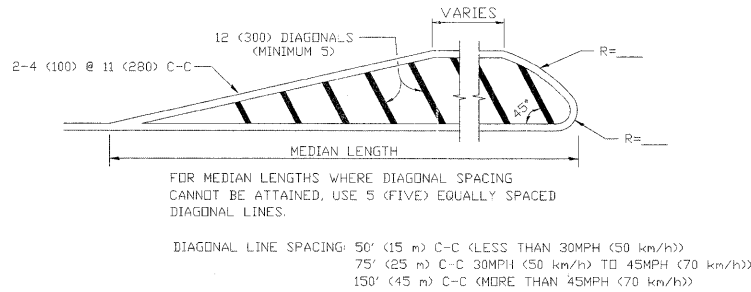


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

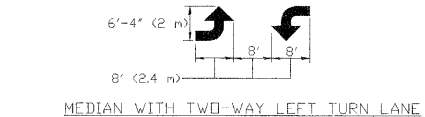
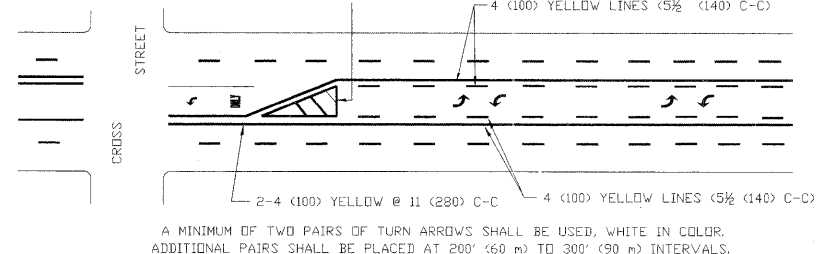
TYPICAL LANE AND EDGE LINE MARKING



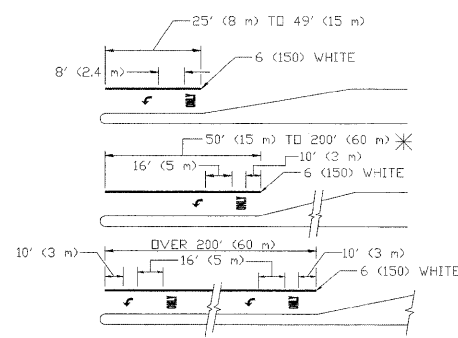
TYPICAL CROSSWALK MARKING



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) ONLY 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

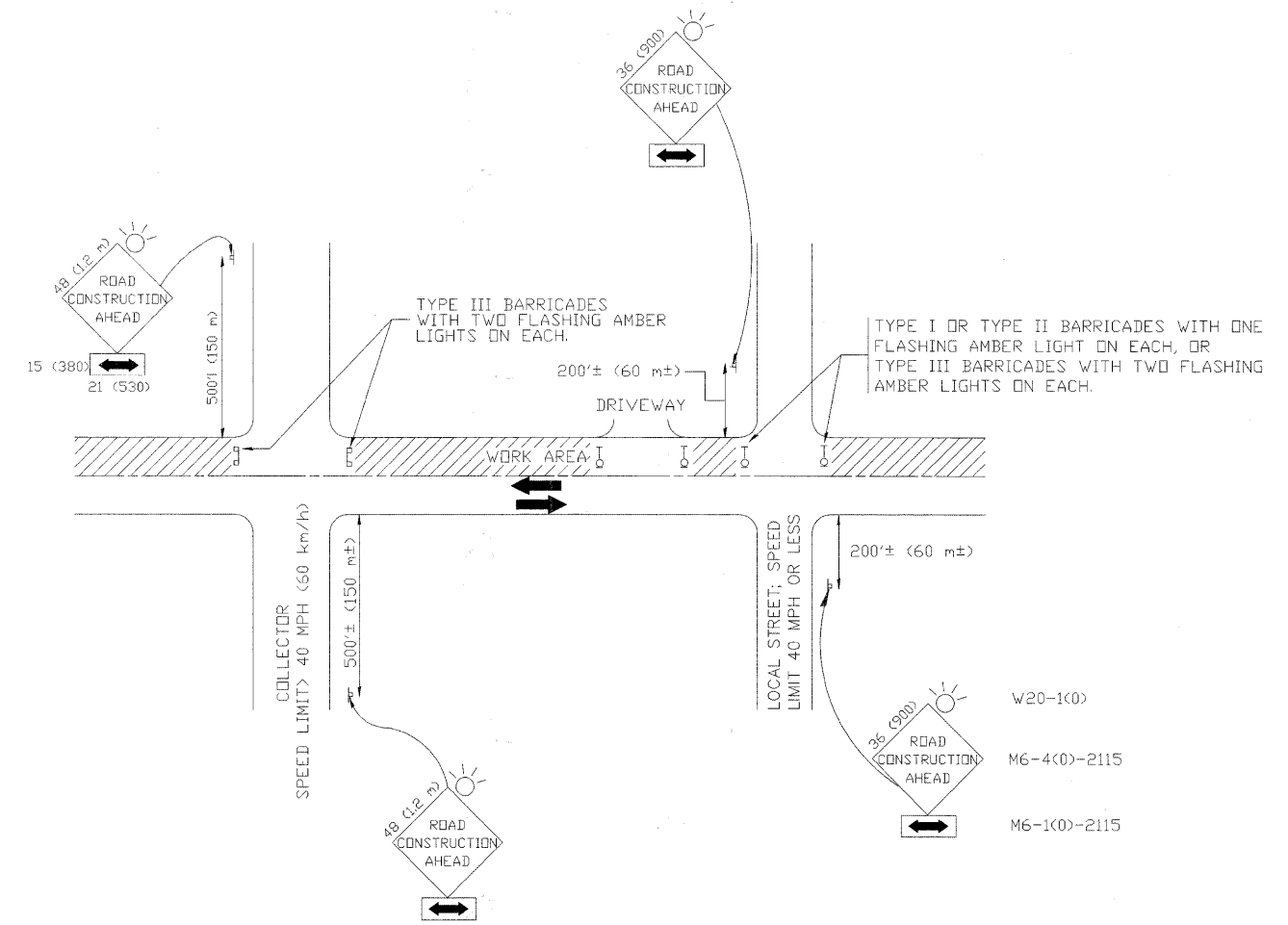
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	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' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4 m) LEFT ARROW	IN PAIRS	WHITE	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°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))	SOLID	WHITE - RIGHT YELLOW - LEFT	

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

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

Drawing file: W:\Projects\61210209 - Confield Road Recon\US_T013(Rev)_33.dwg Jun 08, 2011 - 4:19pm

Drawing file: W:\Projects\01210209 - Cornfield Road Recon\04_TC10(4ns)_34.dwg Jun 08, 2011 - 4:20pm



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 (12 m x 12 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.

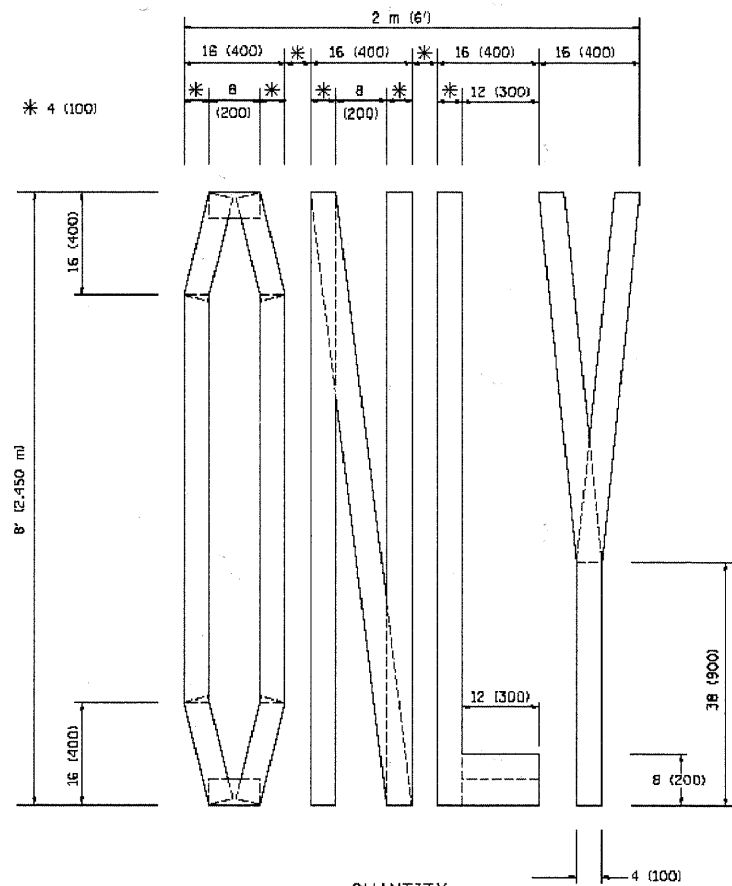
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PLOT SCALE =	DRAWN -	REVISED - A. HOUSEH 03-06-96
PLOT DATE =	CHECKED -	REVISED - A. HOUSEH 10-15-96
	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

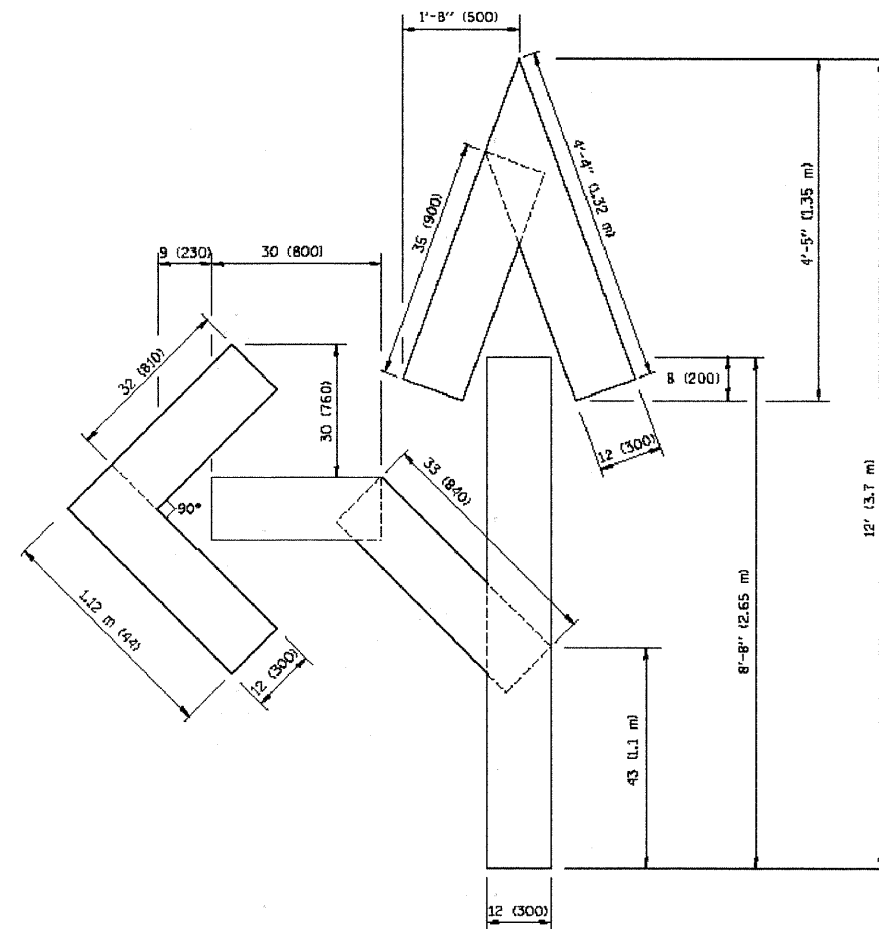
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

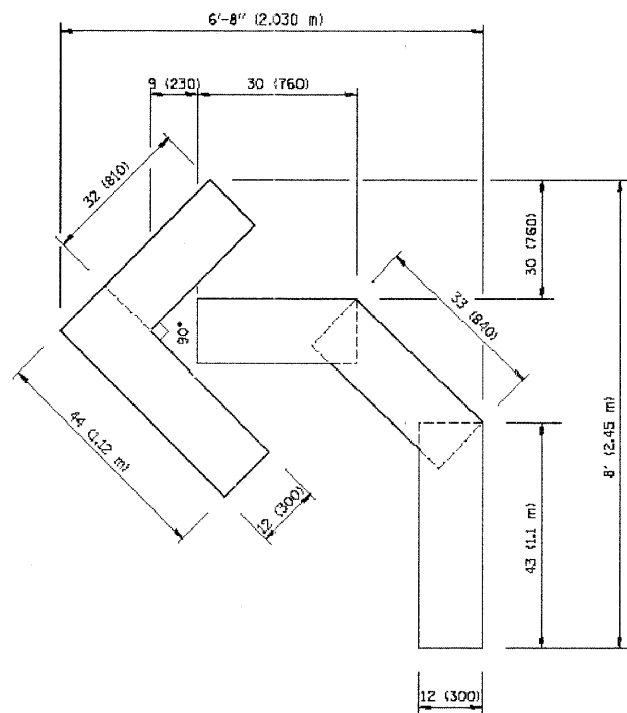
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-0061-00-RS	COOK	41	34
TC-10			CONTRACT NO. 63631	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(752)				



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



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



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

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

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**




**PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING**

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






F.A.V. RTE. 2763	SECTION 10-00061-00-RS	COUNTY COOK	TOTAL SHEETS 41	SHEET NO. 34a
TC-16		CONTRACT NO. 63631		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	M-9003(752)

Drawing file: W:\Projects\61210209 - Cornfield Road Recon\94_T010(eta)_34.dwg Sep 12, 2011 - 3:23pm






ROUTE MARKERS

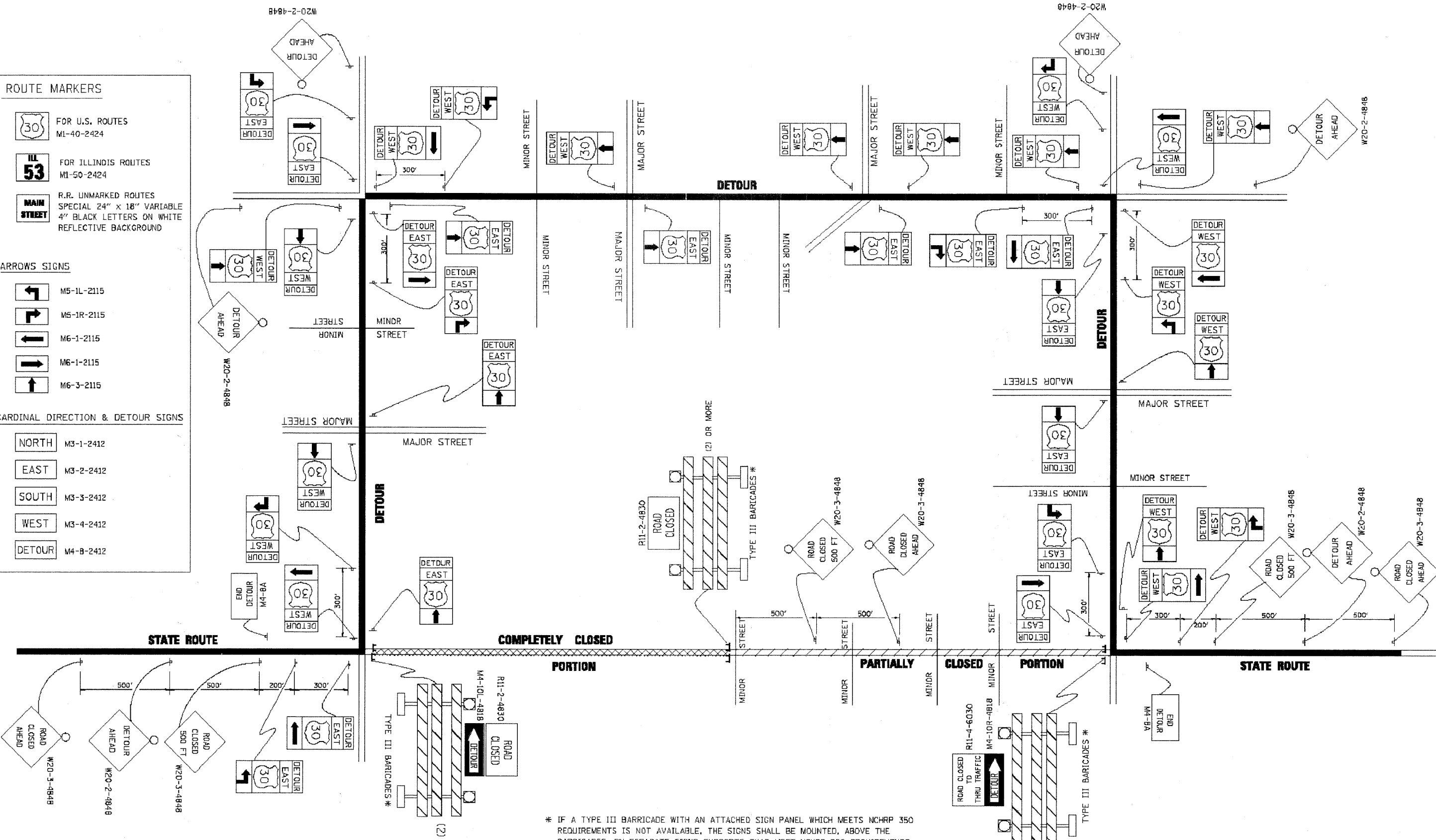
-  FOR U.S. ROUTES
M1-40-2424
-  FOR ILLINOIS ROUTES
M1-50-2424
-  R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

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

CARDINAL DIRECTION & DETOUR SIGNS

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



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

Drawing file: W:\Projects\61210209 - Confield Road Recon\94_T010(ene)_34.dwg Sep 12, 2011 - 3:26pm

FILE NAME =	USER NAME = dsvrakogn	DESIGNED -	REVISED - 10-18-02
...	...	DRAWN -	REVISED - R. BDRO 09-14-09
...	...	CHECKED -	REVISED -
...	...	DATE -	REVISED -

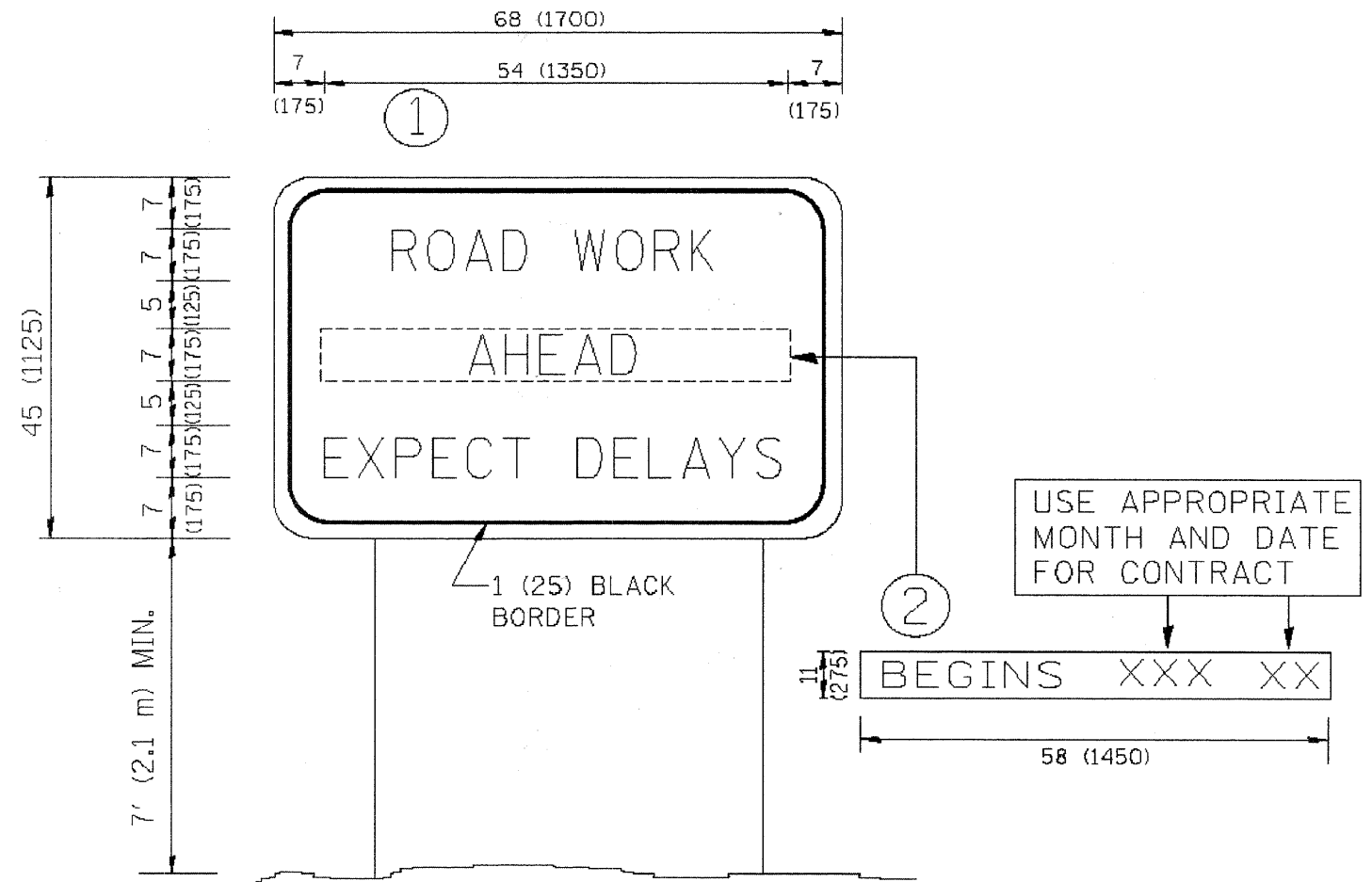
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS**

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

F.A.V. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	34b
TC-21			CONTRACT NO. 63631	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(752)	

E.H.E. PROJECT NO. 612-10-209



NOTES:

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

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

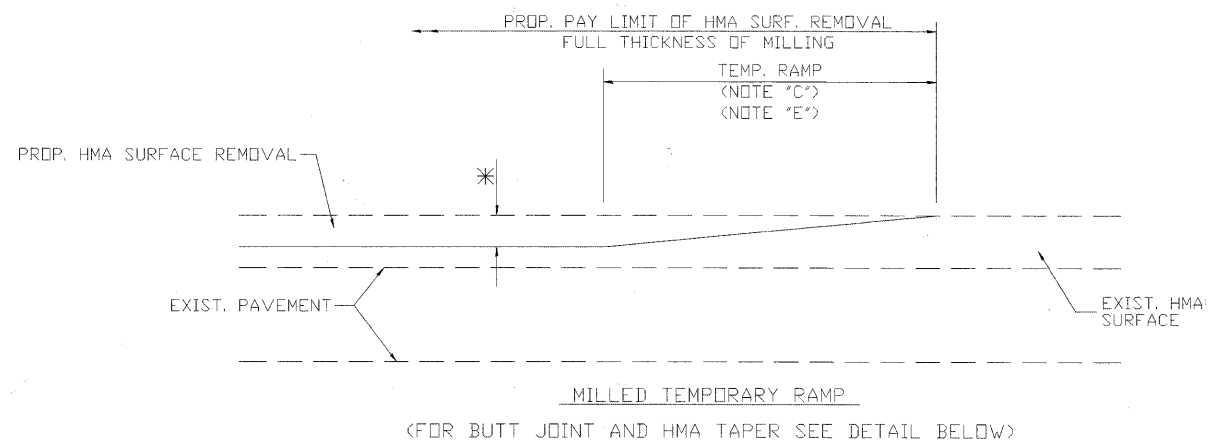
FILE NAME = W:\dstart\22x34\to22.dgn	USER NAME = geglsmabr	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 1/ IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

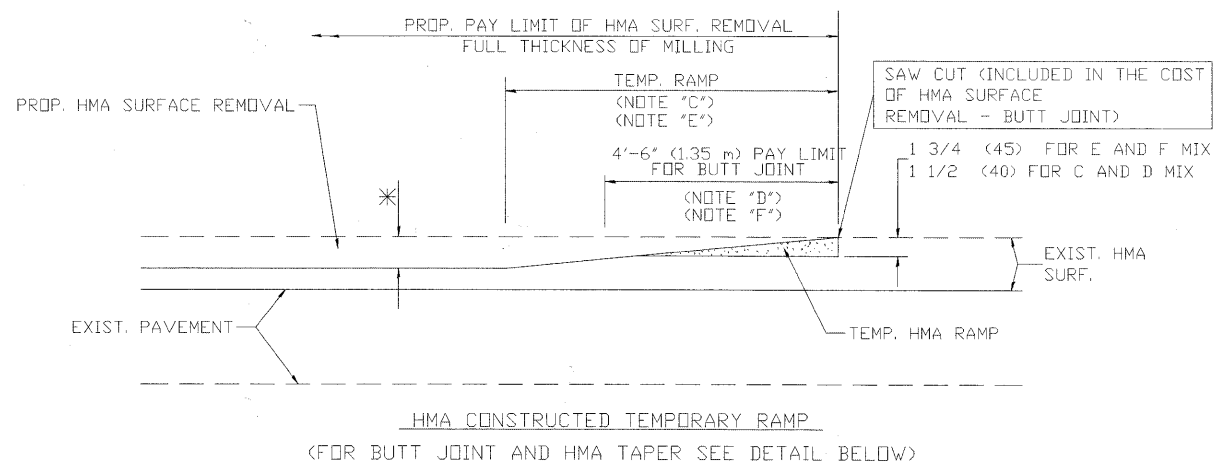
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.V. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	34c
TC-22			CONTRACT NO. 63631	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			M-9003(752)	

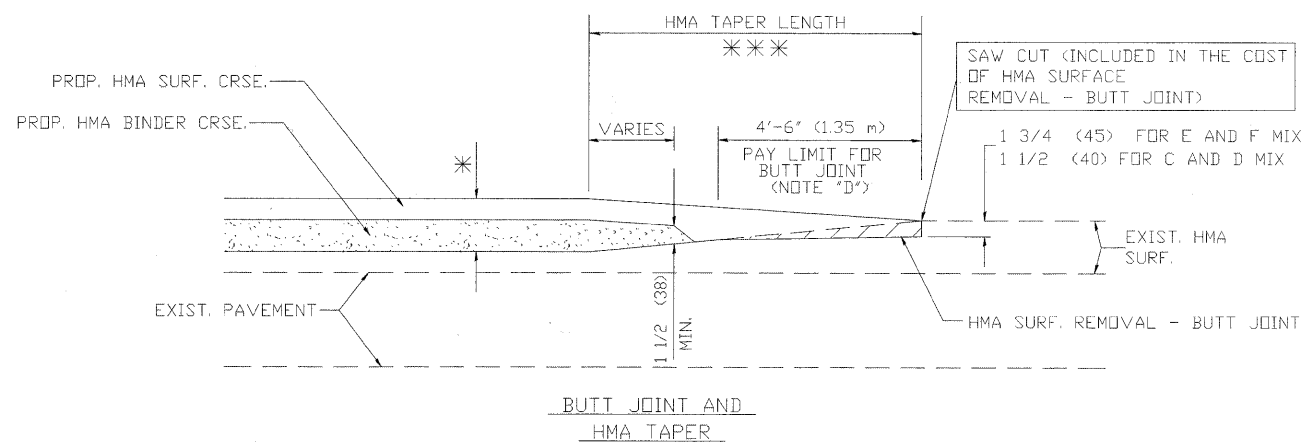


OPTION 1

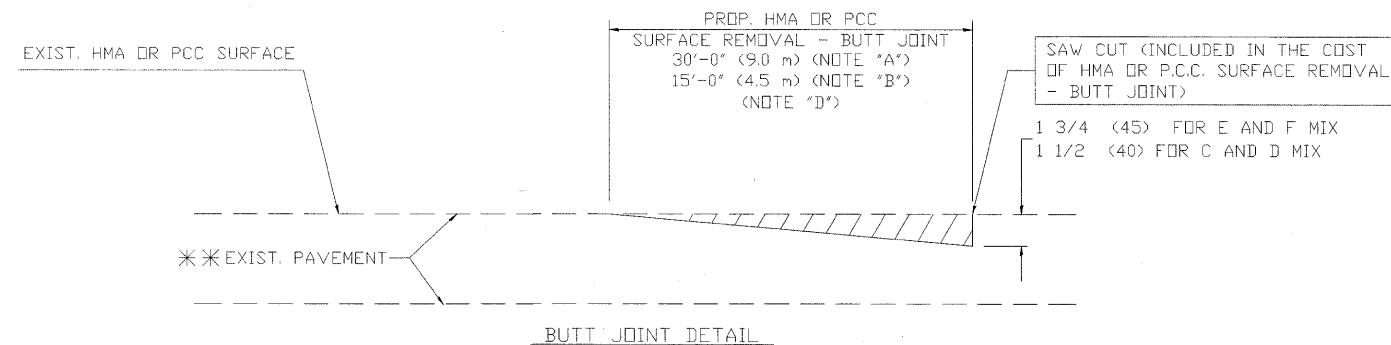


OPTION 2

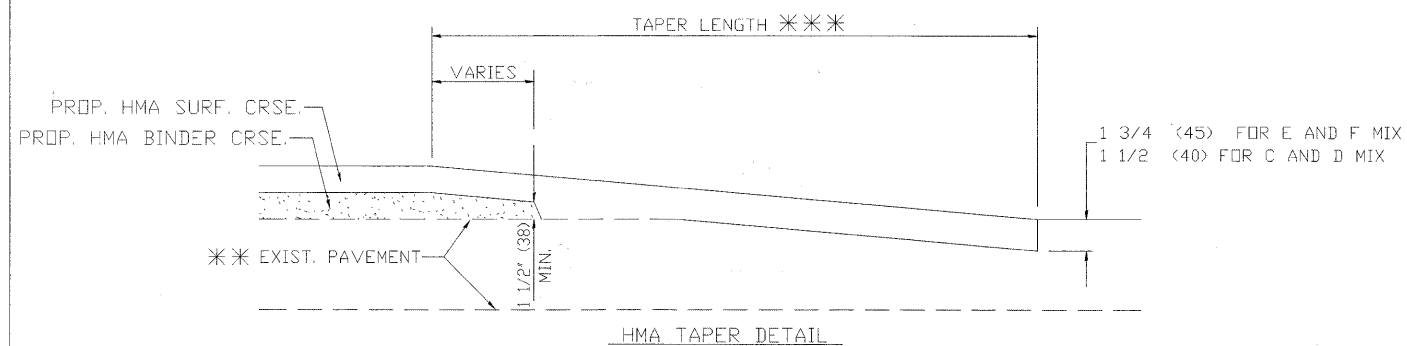
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

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

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

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

BASIS OF PAYMENT:

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

USER NAME =	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
PLOT SCALE =	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT DATE =	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R. BORO 01-01-07

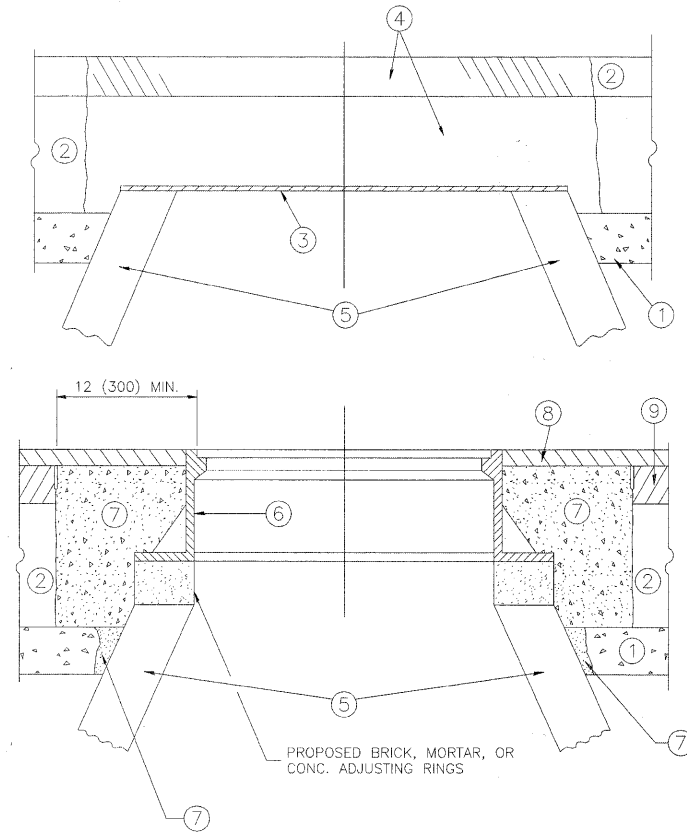
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	35
BD400-05 (BD-32)			CONTRACT NO. 63631	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			M-9003(752)	

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

Drawing file: W:\Projects\61210209 - Confield Road Recon\06_bor03_36.dwg Jun 08, 2011 - 4:21pm



CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- *UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

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

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

USER NAME =	DESIGNED - R. SHAH	REVISED - A. ABBAS 03-21-97
PLOT SCALE =	CHECKED -	REVISED - R. WIEDEMAN 05-14-04
PLOT DATE =	DATE - 10-25-94	REVISED - R. BORO 01-01-07
		REVISED - R. BORO 03-09-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

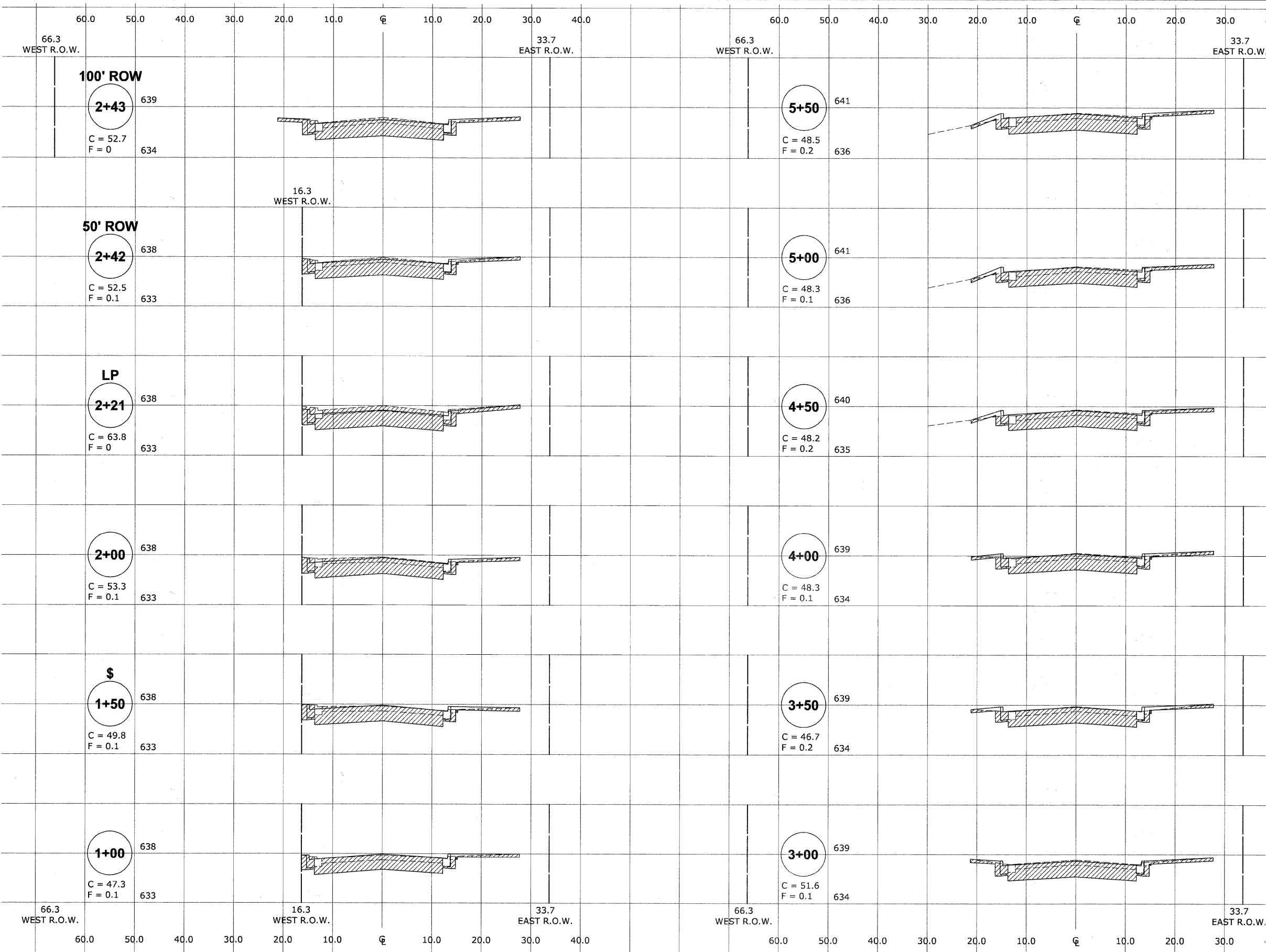
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	36
BD600-03 (BD-8)			CONTRACT NO. 63631	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(752)	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	37
ILLINOIS PROJECT		M-9003 (752)		
VILLAGE SECTION				
CONTRACT NO. 63631				

CROSS SECTION LEGEND

C = CUT (SQ. FT.)

F = FILL (SQ. FT.)



Drawing file: W:\Projects\61210209 - Canfield Road Recon\sect\sect\98_Xsect_Canfield.dwg Aug 11, 2011 - 2:25pm

REVISION:

HANCOCK ENGINEERING ♦ Civil Engineers ♦ Municipal Consultants ♦ Established 1911

9933 Rosemead Road
Westchester, Illinois 60591-2708
Phone: 708-965-0300
Fax: 708-965-1232

NORRIDGE
CANFIELD ROAD RECONSTRUCTION
CROSS SECTIONS
CANFIELD ROAD
(STA. 1+00 TO STA. 5+50)

SCALE: 1"=10'H
1"=5'V

DRAWN BY: DMM
CHECKED BY: JCG
DATE: 7-01-2011

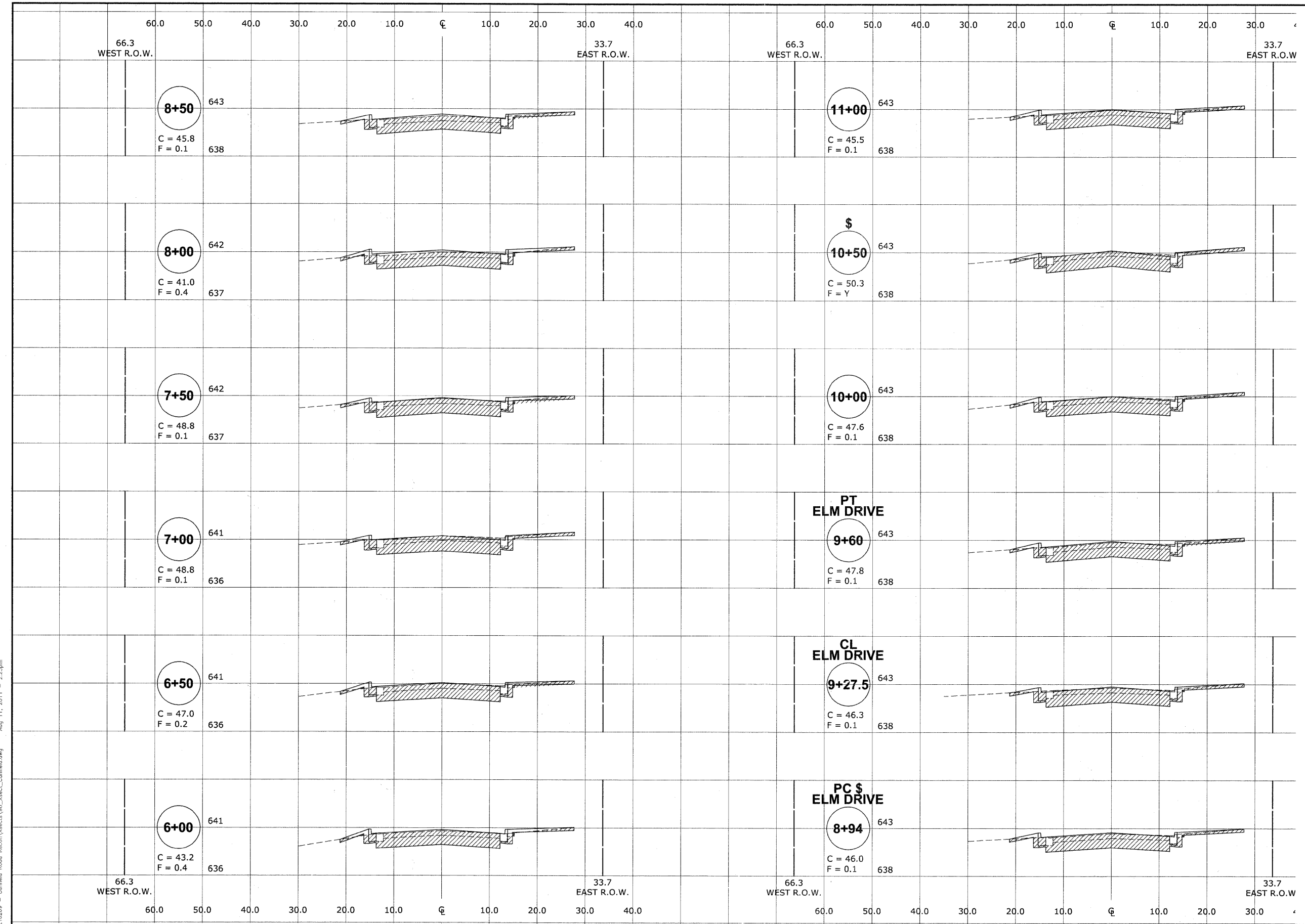
E.H.E. PROJECT NO. : 612-10-20901

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	38
ILLINOIS PROJECT		M-9003 (752)		
VILLAGE SECTION				
CONTRACT NO. 63631				

CROSS SECTION LEGEND

C = CUT (SQ. FT.)

F = FILL (SQ. FT.)



PT ELM DRIVE

CL ELM DRIVE

PC \$ ELM DRIVE

REVISION:

HANCOCK ENGINEERING ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9331 Roswell Road
 Wheeling, Illinois 60090-2700
 Phone: 708-365-0300
 Fax: 708-365-1212

**NORRIDGE
 CANFIELD ROAD RECONSTRUCTION
 CROSS SECTIONS
 CANFIELD ROAD
 (STA. 6+00 TO STA. 11+00)**

SCALE: 1"=10'H
 1"=5'V

DRAWN BY: DMM
 CHECKED BY: JCG
 DATE: 7-01-2011

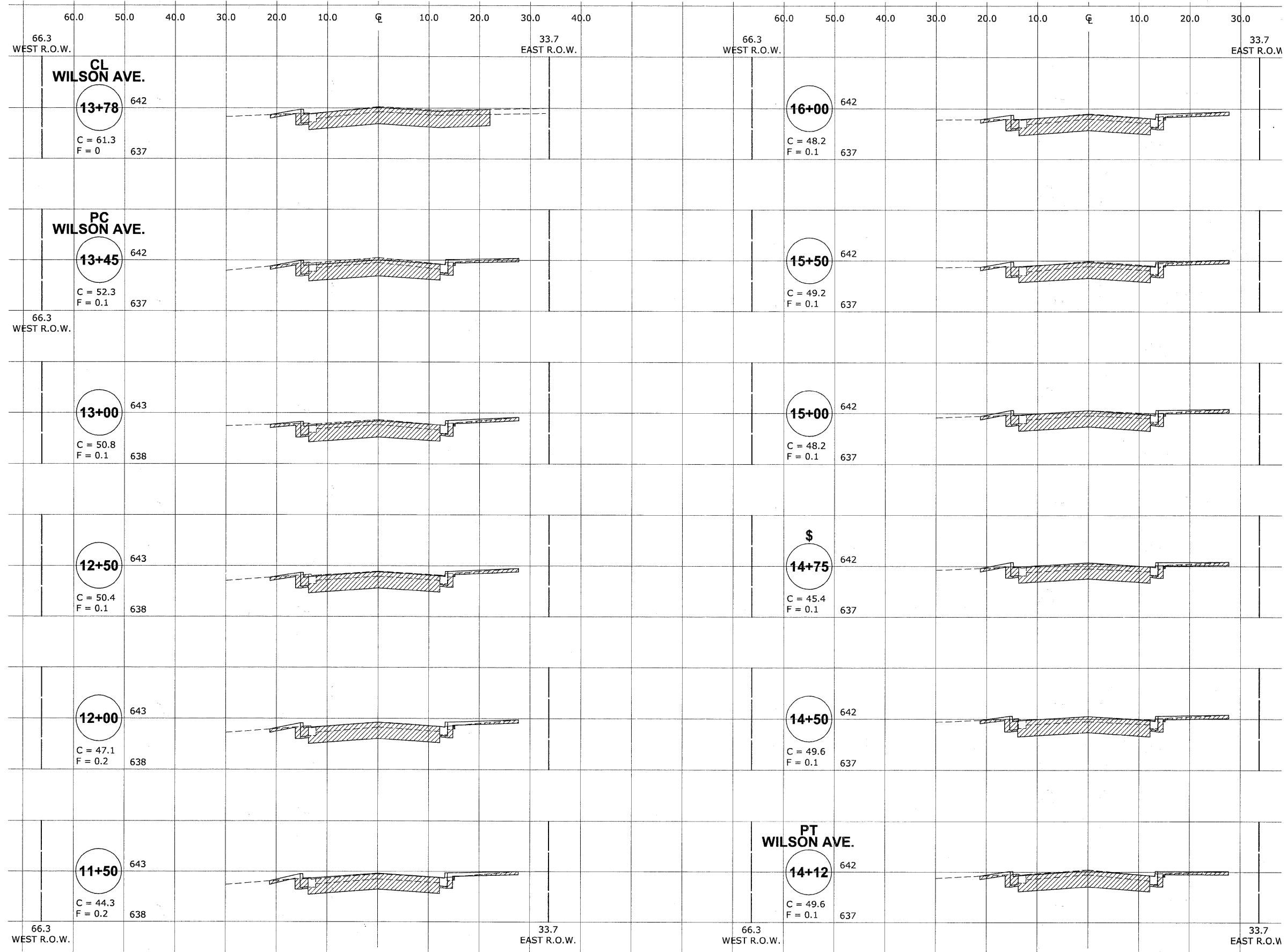
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	39
ILLINOIS PROJECT		M-9003 (752)		
VILLAGE SECTION				
CONTRACT NO. 63631				

CROSS SECTION LEGEND

C = CUT (SQ. FT.)

F = FILL (SQ. FT.)



Drawing file: W:\Projects\61210209 - Canfield Road Recon\sect\98_xsect_Canfield.dwg Aug 11, 2011 - 2:25pm

REVISION:	

HANCOCK ENGINEERING ♦ Civil Engineers ♦ Municipal Consultants ♦ Established 1911

910 Riverside Road
Waukegan, Illinois 60087-2700
Phone: 848-0300
Fax: 848-1212

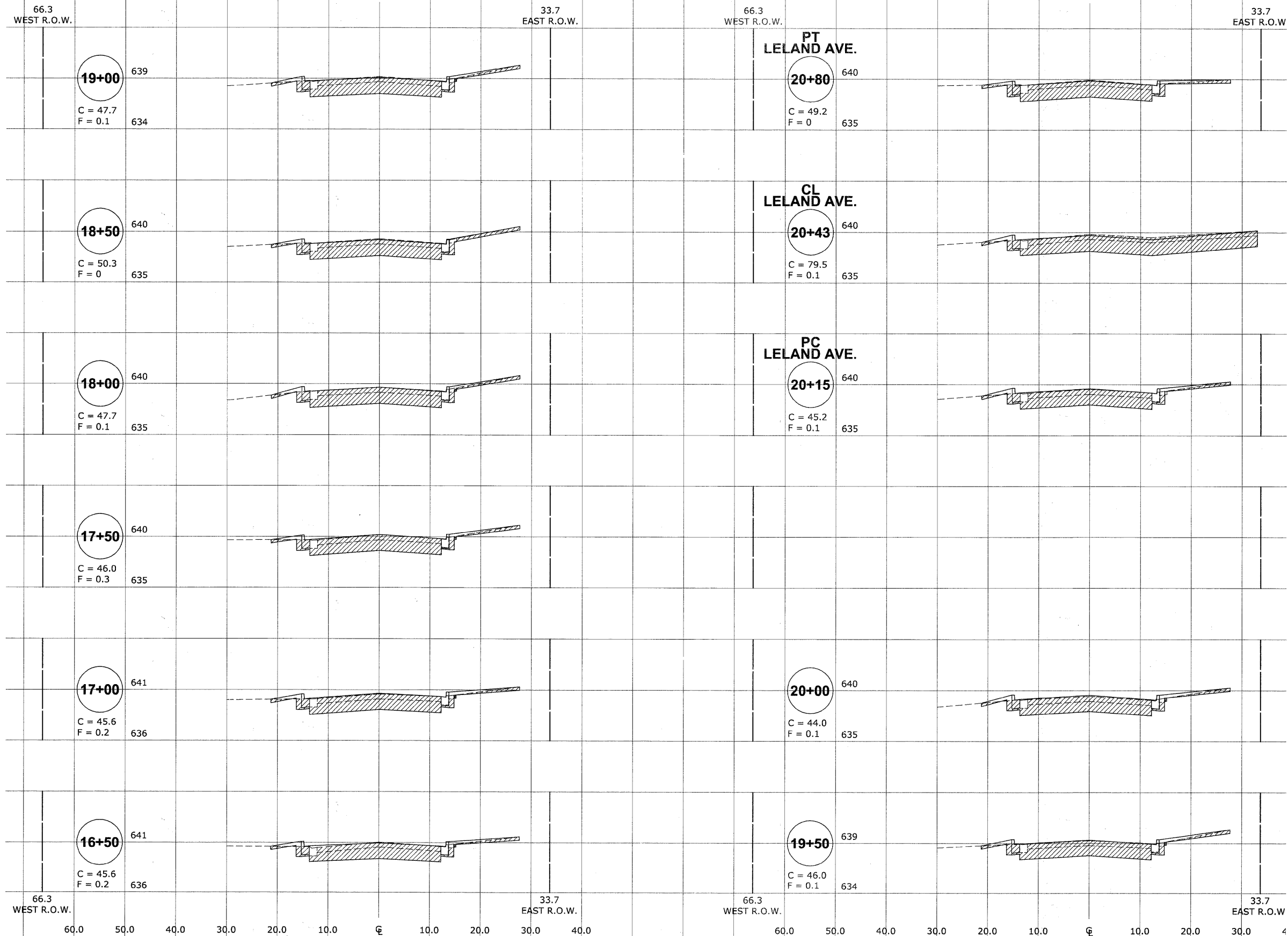
**NORRIDGE
CANFIELD ROAD RECONSTRUCTION
CROSS SECTIONS
CANFIELD ROAD
(STA. 11+50 TO STA. 16+00)**

SCALE: 1"=10'H
1"=5'V

DRAWN BY: DMM
CHECKED BY: JCG
DATE: 7-01-2011

E.H.E. PROJECT NO.: 612-10-20901

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	40
ILLINOIS PROJECT		M-9003 (752)		
VILLAGE SECTION				
CONTRACT NO. 63631				



CROSS SECTION LEGEND

C = CUT (SQ. FT.)

F = FILL (SQ. FT.)

HANCOCK ENGINEERING ♦ Civil Engineers ♦ Municipal Consultants ♦ Established 1911

9815 Rosemont Road
 Wheeling, Illinois 60154-2788
 Phone: 708-960-4300
 Fax: 708-960-1212

**NORRIDGE
 CANFIELD ROAD RECONSTRUCTION
 CROSS SECTIONS
 CANFIELD ROAD
 (STA. 16+50 TO STA. 20+80)**

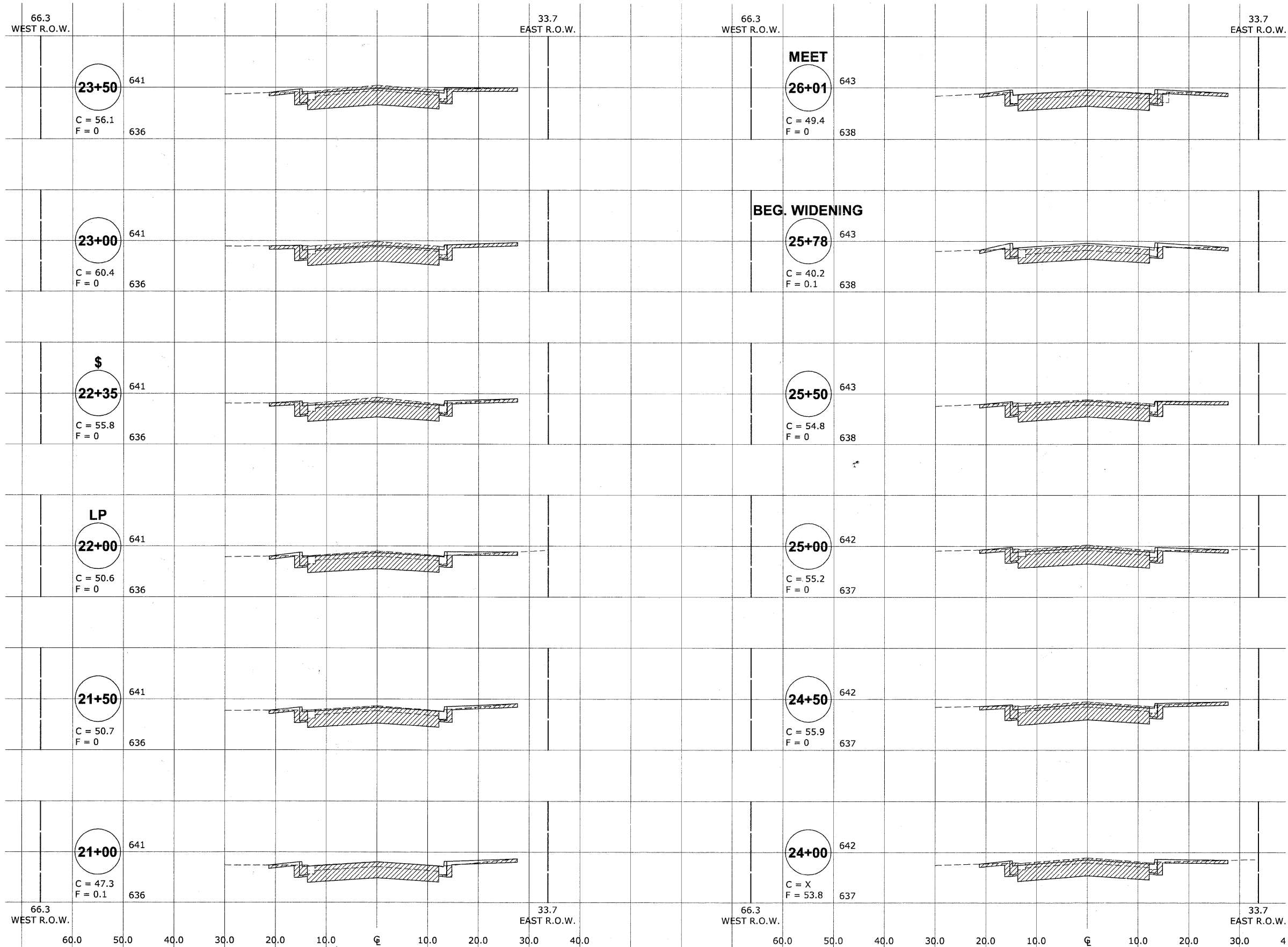
REVISION:

SCALE: 1"=10'H
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DRAWN BY: DMM
 CHECKED BY: JCG
 DATE: 7-01-2011

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2763	10-00061-00-RS	COOK	41	41
ILLINOIS PROJECT		M-9003 (752)		
VILLAGE SECTION				
CONTRACT NO. 63631				



CROSS SECTION LEGEND

C = CUT (SQ. FT.)

F = FILL (SQ. FT.)

HANCOCK ENGINEERING ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9315 Rosewood Blvd. Westchester, Illinois 60154-1700
 Phone: 708-965-1300 Fax: 708-965-1312

**NORRIDGE
 CANFIELD ROAD RECONSTRUCTION
 CROSS SECTIONS
 CANFIELD ROAD
 (STA. 21+00 TO STA. 26+01)**

REVISION:

DRAWN BY: DMM
 CHECKED BY: JCG
 DATE: 7-01-2011

SCALE: 1"=10'H
 1"=5'V

Drawing file: W:\Projects\61210209 - Canfield Road Recon\secta\98_xsect_Canfield.dwg Aug 11, 2011 - 2:25pm

E.H.E. PROJECT NO. : 612-10-20901