

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 63682	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

**FAU 0192 (CEDAR LAKE ROAD)
AT FAU 0177 (MONAVILLE ROAD)
INTERSECTION IMPROVEMENTS**

**SECTION 06-00153-07-CH
PROJECT NUMBER: CMM-9003(060)
LAKE COUNTY**

C-91-512-08

INDEX OF SHEETS

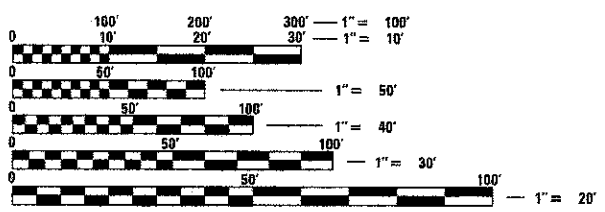
SHEET #	DESCRIPTION
1	COVER
2	GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-8	SCHEDULE OF QUANTITIES
9-12	TYPICAL SECTIONS
13	ALIGNMENTS, TIES, AND BENCHMARKS
14-16	MAINTENANCE OF TRAFFIC - DETOUR PLAN
17-19	REMOVAL PLAN & SCHEDULE
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25-30	INTERSECTION DETAILS
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37-40	PAVEMENT MARKING, SIGNING & LANDSCAPING
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DESIGN DESIGNATION

DESIGN FUNCTIONAL CLASSIFICATION
CEDAR LAKE ROAD: MINOR ARTERIAL (URBAN)
MONAVILLE ROAD: MINOR ARTERIAL (URBAN)

DESIGN TRAFFIC
CEDAR LAKE ROAD: 10,000 ADT (YEAR 2030)
MONAVILLE ROAD: 13,000 ADT (YEAR 2030)

DESIGN SPEED
CEDAR LAKE ROAD: 45 MPH
MONAVILLE ROAD: 45 MPH



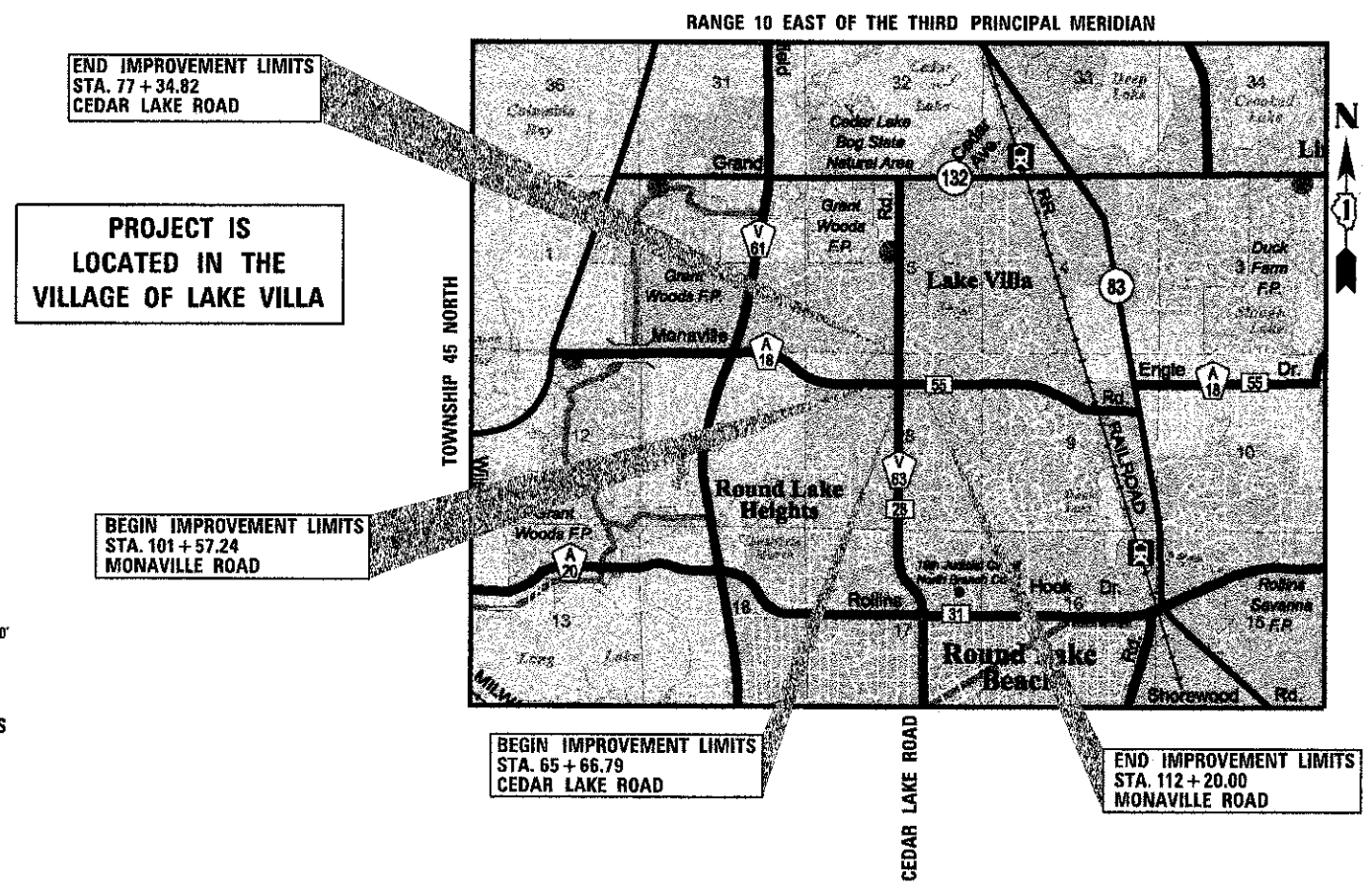
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JEFFERY M. SEDIG, P.E.
PROJECT MANAGER: CHARLES COLE, P.E., PTOE

CONTRACT NO. 63682

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. - 847.705.4406 - SCHAUMBURG, IL



LOCATION MAP

MAP FROM LCDOT HIGHWAY MAP
1" = 0.5 MILES
CEDAR LAKE ROAD: 1,022.76 L.F. = 0.19 MILES
MONAVILLE ROAD: 899.47 L.F. = 0.17 MILES
GROSS/NET LENGTH = 1,922.23 L.F. = 0.36 MILES

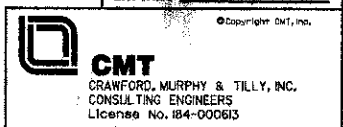
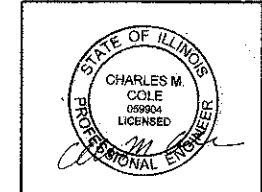


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED November 12 2012
Paula Trigg
LAKE COUNTY ENGINEER

PASSED November 19 2012
C. J. Holt
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID November 15 2012
BASED ON LIMITED REVIEW *John F. ...*
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER



SIGNED _____ DATE _____

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

102 - ADVERTISEMENT, BIDDING, AWARD, AND CONTRACT EXECUTION

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.

105 - CONTROL OF WORK

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012, AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS"; ADOPTED JANUARY 1, 2013, WITH THE DETAILS IN THESE PLANS, THE REFERENCED STANDARDS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF EXISTING UTILITY FACILITIES, SUCH INFORMATION ONLY REPRESENTS THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH FACILITIES AND IS ONLY INCLUDED FOR THE CONTRACTOR'S CONVENIENCE. THE DEPARTMENT ASSUMES NO RESPONSIBILITY FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN IN THE PLAN RELATING TO THE LOCATION OF EXISTING FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE NATURE AND STATUS OF ALL UTILITY RELOCATION WORK PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT INTERFERE WITH UTILITY FACILITIES AND RELOCATION WORK. THE CONTRACTOR'S SCHEDULE SHOULD REFLECT CONSTRUCTION SEQUENCING WHICH COORDINATES WITH ALL UTILITY RELOCATION WORK. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST THE SEQUENCE SCHEDULE OF WORK TO COORDINATE WITH THE RELOCATION SCHEDULE OF CONFLICTING UTILITY COMPANIES.
- COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION MEETING.

UTILITY COMPANY CONTACT INFORMATION

AT&T CORPORATION (FORMERLY SBC)
 1000 COMMERCE DRIVE, FLOOR 2
 OAK BROOK, IL, 60523
 ATTN: MS. ANTOINETTE GLOVER-JONES
 630-573-5703
 EMAIL: AG1852@ATT.COM

NICOR GAS
 1844 FERRY ROAD
 NAPERVILLE, IL 60563
 ATTN: MS. CONSTANCE LANE
 630-388-3830
 CLANE@NICOR.COM

COMCAST CABLE
 688 INDUSTRIAL DRIVE
 ELMHURST, IL 60126
 ATTN: MR. ROBERT SCHULTER
 630-600-6347
 EMAIL: BOB.SCHULTER@CABLE.COMCAST.COM

VILLAGE OF LAKE VILLA
 65 CEDAR AVENUE
 LAKE VILLA, IL 60046
 ATTN: MR. JIM BOWLES
 847-356-6100 EXT. 301
 EMAIL: JBOWLES@LAKE-VILLA.ORG

COMMONWEALTH EDISON
 1500 FRANKLIN BOULEVARD
 LIBERTYVILLE, IL 60048
 ATTN: MS. TERRI BLECK
 847-816-5239
 EMAIL: TERRI.BLECK@COMED.COM

6. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONARY AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN AND PROTECT EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION; IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS, WHICH ARE STILL IN SERVICE. THE CONTRACTOR SHALL PROTECT THE EXISTING OR NEW UTILITIES WHEN CONSIDERED NECESSARY BY METHODS APPROVED BY THE ENGINEER, AND SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

7. FRAME AND LID ADJUSTMENTS FOR PUBLIC UTILITIES WITHIN THE PROJECT LIMITS WILL BE DONE BY THE RESPECTIVE UTILITY, UNLESS OTHERWISE NOTED. ALL FRAME AND LID ADJUSTMENTS FOR VILLAGE OF LAKE VILLA UTILITIES WILL BE DONE BY THE CONTRACTOR.

106 - CONTROL OF MATERIALS

8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ANY AND ALL MATERIALS AND DEBRIS FROM THE SITE THAT RESULT FROM CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE STATE. REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC., SHALL BE DISPOSED OF OUTSIDE THE RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE "STANDARD SPECIFICATIONS" AT LOCATIONS PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.

107 - LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETURNING ALL EXISTING AREAS (TO REMAIN) AFFECTED BY CONSTRUCTION ACTIVITIES, EQUIPMENT, OR LABORERS TO THE ORIGINAL UNDISTURBED CONDITIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL THE COMPLETION OF THE CONTRACT.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE ENGINEER, AUTHORIZED SURVEYOR OR ENGINEER HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, OR CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS. THE CONTRACTOR SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL PERMANENT CONNECTIONS WITH THE SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE COST OF DRAINAGE ITEMS BEING INSTALLED.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATION NEAR ANY AND ALL EXISTING ITEMS, WHICH WILL NOT BE REMOVED, ANY DAMAGE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

109 - MEASUREMENT AND PAYMENT

- BEFORE ACCEPTANCE BY THE ENGINEER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE ENGINEER. FINAL PAYMENT WILL BE MADE AFTER ALL THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.
- THE ENGINEER WILL ONLY ACCEPT FIELD QUANTITY VERIFICATION FOR ALL EARTHWORK ITEMS BASED UPON THE CROSS SECTIONS AND CALCULATIONS SUPPLIED ON THE PLANS. THE ONLY METHOD OF CALCULATING THE VOLUME OF QUANTITIES SHALL BE AVERAGE END AREA BASED UPON THE CROSS SECTIONS SUPPLIED. NO ADJUSTMENTS TO THE QUANTITIES WILL BE MADE BY THE USE OF ANY OTHER CALCULATION METHOD. NO COMPUTER PROGRAMS WILL BE ACCEPTED FOR THE QUANTITY MEASUREMENT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING (PRIOR TO ANY WORK AT THE SITE) AS TO ANY DISCREPANCY FOUND WITH THE EXISTING TOPOGRAPHY, CROSS SECTIONS OR EARTHWORK CALCULATIONS.
- THE DETOUR PLAN WILL ONLY BE PERMISSIBLE DURING THE SUMMER DISMISSAL OF LOCAL SCHOOLS USING THE INTERSECTION UNDER CONSTRUCTION. DETOUR SHALL NOT BEGIN PRIOR TO JUNE 6 AND SHALL NOT EXTEND BEYOND AUGUST 15.

COMMITMENTS

15. THE DETOUR PLAN WILL ONLY BE PERMISSIBLE DURING THE SUMMER DISMISSAL OF LOCAL SCHOOLS USING THE INTERSECTION UNDER CONSTRUCTION. DETOUR SHALL NOT BEGIN PRIOR TO JUNE 6 AND SHALL NOT EXTEND BEYOND AUGUST 15.

INDEX OF STANDARD DRAWINGS

L.C.D.O.T. STANDARD DRAWINGS

LC0020	TRENCH WIDTHS FOR TRENCH BACKFILL & PAVEMENT REPLACEMENT, BITUMINOUS
LC2000	UNDERCUT DETAIL
LC2050	TRIANGULAR SILT DIKE INSTALLATION FOR ROADWAY DITCH OR DRAINAGE DITCH
LC2051	PERIMETER EROSION BARRIER INSTALLATION
LC3000	CURB & GUTTER SUBGRADE OPTIONS
LC4100	TYPICAL MINOR ACCESS (PRIVATE ENTRANCE)
LC4202	CONCRETE WASHOUT FACILITIES
LC4800	TRANSITION FROM AGGREGATE SHOULDER TO B-6.24 FOR 16' OFFSET TO FACE
LC5400	TREE PRESERVATION WITH STORM SEWER IN UNCURBED AREAS
LC6000	RESTRICTED DEPTH MANHOLE
LC6020	SUB-SURFACE DRAINS
LC6310	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)
LC6650	WITNESS POST
LC7201	TEMPORARY CONSTRUCTION INFORMATION SIGNS
LC7800	TYPICAL PAVEMENT MARKINGS FOR COUNTRY HIGHWAYS
LC7804	SPECIAL DETAIL FOR ROUNDABOUTS SIGNING AND PAVEMENT MARKINGS

I.D.O.T. (DISTRICT 1) DETAIL DRAWINGS

BD07	STORM SEWER CONNECTION TO EXISTING SEWER
BD32	BUTT JOINTS AND HMA TAPER
BD51	BENCHING DETAIL FOR EMBANKMENT WIDENING
BE301	LIGHT POLE FOUNDATION, CONCRETE, <=35 FT. M.H. (15" B.C.)
BE702	MISCELLANEOUS DETAILS, SHEET A - CABLE SPLICE, POLE WIRING, TRENCH DETAIL

I.D.O.T. HIGHWAY STANDARD DRAWINGS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420701-02	PAVEMENT FABRIC
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-01	METAL END SECTION FOR PIPE CULVERTS
602001-02	CATCH BASIN, TYPE A
602301-03	INLET, TYPE A
602306-03	INLET, TYPE B
602401-03	MANHOLE, TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB STOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604036-02	GRATE, TYPE 8
604091-02	FRAME AND GRATE, TYPE 24
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-10	STEEL PLATE BEAM GUARDRAIL
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
667101-02	PERMANENT SURVEY MARKERS
701901-02	TRAFFIC CONTROL DEVICES
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

NOTE: THE CONTRACTOR SHALL USE THE LATEST VERSION OF THE IDOT HIGHWAY STANDARD DRAWINGS

STRUCTURAL PAVEMENT DESIGN DATA

CEDAR LAKE AT MONAVILLE INTERSECTION
 2005 ADT - 8,800
 PV - 8,448 (96%), SU - 264 (3%), MU - 88 (1%)
 DESIGN LIFE - 20 YEARS
 DESIGN ADT (2030) - 13,000

TRAFFIC FACTOR DESIGN PARAMETERS
 80.0 KIP LOAD
 CLASS II
 TRAFFIC FACTOR - 3.17
 SUBGRADE SUPPORT RATING - POOR

DESIGN HMA MIXTURE TEMPERATURE - 73°
 DESIGN HMA MICRO STRAIN - 86
 DESIGN HMA MODULUS - 750 ksi
 REQUIRED PAVEMENT THICKNESS - 9.75 IN
 REQUIRED SUBGRADE - 12 IN

BOX AROUND NOTE INDICATES ALL ITEMS AND WORK THAT ARE INCLUDED IN THE COST OF THE CONTRACT OR ARE INCLUDED WITH THE ASSOCIATED PAY ITEM. THIS APPLIES TO GENERAL NOTES ON THIS SHEET AND WORK-SPECIFIC GENERAL NOTES ON ALL OTHER SHEETS.

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CMT Copyright © 2011 CRAWFORD, MURPHY & TULLY, INC. CONSULTING ENGINEERS License No. 084-000613	USER NAME = Jeff Sedig PLOT SCALE = 48.0000' / 1" = PLOT DATE = 11/12/2012	DESIGNED - MNB DRAWN - MNB CHECKED - CMC DATE - 10/22/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A	GENERAL NOTES	F.A.U. R.T.E. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 2
	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							CONTRACT NO. 63682			

SP	SPECIALTY ITEM	PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	RECON NO CAP 0004	SAFETY LIGHTING 0021	LCDOT MISC.
*		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	195	195		
*		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	273	273		
		20101000	TEMPORARY FENCE	FOOT	250	250		
*		20101100	TREE TRUNK PROTECTION	EACH	16	16		
		20101200	TREE ROOT PRUNING	EACH	20	20		
		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10		
		20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	10	10		
		20200100	EARTH EXCAVATION	CU YD	6,580	6,580		
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,100	2,100		
*		20800150	TRENCH BACKFILL	CU YD	1,417	1,417		
		21001000	GEO TECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	8,628	8,628		
+		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5832	5832		
*	+	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	182	182		
*	+	21101805	COMPOST FURNISH AND PLACE, 2"	SQ YD	62	62		
*		21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	200	200		
+		25000210	SEEDING, CLASS 2A	ACRE	1	1		
+		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	112	112		
+		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	112	112		
+		25100630	EROSION CONTROL BLANKET	SQ YD	4596	4596		
+		25200110	SODDING, SALT TOLERANT	SQ YD	2105	2105		
+		25200200	SUPPLEMENTAL WATERING	UNIT	13	13		
+		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	136	136		
*		28000305	TEMPORARY DITCH CHECKS	FOOT	42	42		
*		28000400	PERIMETER EROSION BARRIER	FOOT	463	463		
		28000510	INLET FILTERS	EACH	26	26		
		28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	33	33		
*		28200200	FILTER FABRIC	SQ YD	216	216		
*		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	630	630		
*		30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SQ YD	9,471	9,471		
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1,798	1,798		
		40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	9	9		
*		40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,600	1,600		
		40600895	CONSTRUCTING TEST STRIP	EACH	2	2		
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	237	237		
		40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	61	61		

SP	SPECIALTY ITEM	PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	RECON NO CAP 0004	SAFETY LIGHTING 0021	LCDOT MISC.
		40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	7,192	7,192		
		42000564	PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED)	SQ YD	248	248		
		42001200	PAVEMENT FABRIC	SQ YD	248	248		
		42001300	PROTECTIVE COAT	SQ YD	2,049	2,049		
		42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	9,391	9,391		
*		42400800	DETECTABLE WARNINGS	SQ FT	319	319		
		44000100	PAVEMENT REMOVAL	SQ YD	5,910	5,910		
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	682	682		
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,497	1,497		
		44004250	PAVED SHOULDER REMOVAL	SQ YD	408	408		
		44200116	PAVEMENT PATCHING, TYPE I, 10 INCH	SQ YD	40	40		
		48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	516	516		
		48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	327	327		
		54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	55	55		
		54213447	END SECTIONS 12"	EACH	1	1		
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1		
		54215550	METAL END SECTIONS 15"	EACH	4	4		
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	480	480		
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	770	770		
		550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	150	150		
		55100200	STORM SEWER REMOVAL 6"	FOOT	80	80		
		55100500	STORM SEWER REMOVAL 12"	FOOT	664	664		
		55100700	STORM SEWER REMOVAL 15"	FOOT	31	31		
*	+	56100030	DUCTILE IRON WATER MAIN TEE, 10" X 6"	EACH	1	1		
*	+	56103800	DUCTILE IRON WATER MAIN, MECHANICAL JOINT 6"	FOOT	12	12		
*	+	56104000	DUCTILE IRON WATER MAIN, MECHANICAL JOINT 10"	FOOT	192	192		
*	+	56105100	WATER VALVES 10"	EACH	2	2		
*	+	56109422	DUCTILE IRON WATER MAIN FITTINGS 10" 45.00 DEGREE BEND	EACH	4	4		
*	+	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	1		
*	+	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	1		
*		60100905	PIPE DRAINS 4"	FOOT	100	100		
*		60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1		
*		60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4		
		60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2		

FILE NAME: I:\LAWRENCE\1122401\Drawings\Sheet\SDG-1.dwg



USER NAME = Jeff Sedig
DESIGNED - MNB
DRAWN - MNB
CHECKED - CMC
DATE - 10/22/2012
PLOT SCALE = 1/8" = 1'-0"
PLOT DATE = 11/29/2012

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

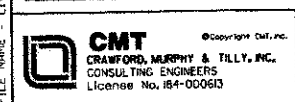
SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	3
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FILE NAME = L:\L\MECO\122401\Drawn\Add_Sheets\500_2.dgn

SP	SPECIALTY ITEM	PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	RECON NO CAP 0004	SAFETY LIGHTING 0021	LCDOT MISC.
		60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	14	14		
		60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1		
		60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	7	7		
		60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	2	2		
*		60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2		
		60255500	MANHOLES TO BE ADJUSTED	EACH	4	4		
		60500040	REMOVING MANHOLES	EACH	3	3		
		60500050	REMOVING CATCH BASINS	EACH	8	8		
		60500060	REMOVING INLETS	EACH	1	1		
*		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	696.0	696.0		
*		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3,082.0	3,082.0		
*		60608552	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	FOOT	283	283		
		60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	1,602	1,602		
		60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	312	312		
	+	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	200	200		
*		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2		
		63200310	GUARDRAIL REMOVAL	FOOT	330	330		
	+	66500105	WOVEN WIRE FENCE, 4'	FOOT	328	328		
		66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	10	10		
		67100100	MOBILIZATION	L SUM	1	1		
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	14	14		
		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	230	230		
	+	78000100	THERMOPLASTIC PLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	149	149		
	+	78000200	THERMOPLASTIC PLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,440	5,440		
	+	78000300	THERMOPLASTIC PLASTIC PAVEMENT MARKING - LINE 5"	FOOT	3,243	3,243		
	+	78000500	THERMOPLASTIC PLASTIC PAVEMENT MARKING - LINE 8"	FOOT	691	691		
	+	78000600	THERMOPLASTIC PLASTIC PAVEMENT MARKING - LINE 12"	FOOT	616	616		
*		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	32	32		
	+	78200410	GUARDRAIL MARKERS, TYPE A	EACH	11	11		
*		80400100	ELECTRICAL SERVICE INSTALLATION	EACH	1		1	
*		80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1	
	+	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	50		50	
	+	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	761		761	
	+	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	32		32	
	+	81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	200	200		
	+	81400100	HANDHOLE	EACH	7		7	

SP	SPECIALTY ITEM	PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	RECON NO CAP 0004	SAFETY LIGHTING 0021	LCDOT MISC.
	+	81603045	UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	3080		3080	
	+	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	276		276	
	+	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	56		56	
	+	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	168		168	
	+	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	18		18	
	+	82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480 VOLT, 100 AMP	EACH	1		1	
*	+	83060120	LIGHT POLE, GALVANIZED STEEL, 30 FT. M.H., 8 FT. MAST ARM	EACH	15		15	
*	+	83060150	LIGHT POLE, GALVANIZED STEEL, 30 FT. M.H., 15 FT. MAST ARM	EACH	3		3	
*	+	83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	234		234	
	+	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	18		18	
*	+	B2000668	TREE, AMELANCHIER X GRANDIFLORA (APPLE SERVICEBERRY), 7' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	3	3		
*	+	K0013000	PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	6	6		
*	+	K1003680	MULCH	SQ YD	40	40		
*		X0322936	REMOVE EXISTING FLARED END SECTION	EACH	5	5		
*	+	X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	1	1		
*		X0325003	REMOVE EXISTING VALVE AND VAULT	EACH	1	1		
*	+	X0326463	WIRELESS VIDEO DISTRIBUTION SYSTEM	LSUM	1	1		
*	+	X0326812	CAT 5 ETHERNET CABLE	FOOT	50	50		
*		X2010510	CLEARING AND GRUBBING	LSUM	1	1		
*		X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	122	122		
*		X2800400	PERIMETER EROSION BARRIER, SPECIAL	FOOT	989	989		
*		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	6	6		
*	+	X5610710	WATER MAIN REMOVAL, 10"	FOOT	180	180		
*	+	X5630710	CONNECTION TO EXISTING WATER MAIN 10"	EACH	2	2		
*		X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	1,870	1,870		
*		X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	3	3		
*		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1		
*		XX000856	MAILBOX REMOVAL AND RELOCATION	EACH	2	2		
*		XX001095	MAILBOX REMOVAL AND REPLACEMENT	EACH	1	1		
*	+	XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1	1		



USER NAME - Jeff Sedig	DESIGNED - MNB	REVISED -
PLT SCALE - 40,000 / 1"	DRAWN - MNB	REVISED -
PLT DATE - 11/29/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO.	TO STA.	FROM STA.
	2 OF 3 SHEETS		

F.A.J. RIE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	4
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SP	SPECIALTY ITEM	PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	RECON NO CAP 0004	SAFETY LIGHTING 0021	LCDOT MISC.
*	+	XX006655	LAYER II (DATALINK) SWITCH	EACH	1	1		
*		XX006658	FLOCCULATION LOGS	EACH	5	5		
*		XX006659	FLOCCULATION POWDER	POUND	30	30		
*		XX006898	STAMPED COLORED PORTLAND CEMENT CONCRETE	SO FT	3832			3,832
*		XX008009	STORMWATER TREATMENT STRUCTURES, 900 GALLONS	EACH	1	1		
*	+	XX008253	VIDEO ENCODER	EACH	1	1		
*		Z0019600	DUST CONTROL WATERING	UNIT	36	36		
*		Z0022800	FENCE REMOVAL	FOOT	336	336		
*	+	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	1		1	
*	+	Z0036200	PAINT CURB	FOOT	700	700		
*		Z0067800	STEEL CASINGS 22"	FOOT	139	139		
Δ	*	Z0076600	TRAINEES	HOURL	1000	1000		
Δ	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	1000	1000		

Δ = CONSTRUCTION TYPE CODE 0042

FILE NAME = L:\AL\REC01122401\06-00153-07-CH\06-00153-07-CH.dgn



USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
	DRAWN - MNB	REVISED -
PLOT SCALE = 1/8" = 1'	CHECKED - CMC	REVISED -
PLOT DATE = 11/29/2012	DATE = 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63682	

ROADWAY SCHEDULE											
SHEET	LOCATION	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	AGGREGATE BASE COURSE, TYPE B-6"	AGGREGATE SUBGRADE IMPROVEMENT	AGGREGATE SUBGRADE IMPROVEMENT, 12"	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	CONCRETE MEDIAN SURFACE, 4 INCH	CONCRETE MEDIAN, TYPE SB-6.12	STAMPED COLORED PORTLAND CEMENT CONCRETE	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06
		STATION TO STATION	21001000	35101800	30300001	30300112	60603800	60605000	60618300	60619600	XX006898
		SQ YD	SQ YD	CU YD	SQ YD	FOOT	FOOT	SQ FT	SQ FT	SQ FT	FOOT
ROADWAY PLAN & PROFILE - SHEET 1 OF 5	STA. 101+57.24 TO STA. 103+50.00	675.9	37.5	-	773.5	0.0	345.7	-	-	0.0	0.0
ROADWAY PLAN & PROFILE - SHEET 2 OF 5	STA. 103+50.00 TO STA. 109+50.00	4053.2	974.9	415.0	4040.0	219.4	1328.3	-	-	2229.2	282.7
ROADWAY PLAN & PROFILE - SHEET 3 OF 5	STA. 109+50.00 TO STA. 112+20.00	962.6	46.1	-	1038.4	0.0	242.1	-	-	0.0	0.0
ROADWAY PLAN & PROFILE - SHEET 4 OF 5	STA. 65+66.79 TO STA. 70+00.00	792.5	401.3	-	862.6	0.0	231.7	-	-	0.0	0.0
ROADWAY PLAN & PROFILE - SHEET 5 OF 5	STA. 72+00.00 TO STA. 77+34.82	2142.9	337.9	-	2375.1	0.0	776.6	-	-	0.0	0.0
CONSTRUCTION DETAILS - SHEET 1 OF 5	SPLITTER ISLAND - WEST LEG	-	-	25.6	95.6	119.0	39.6	402.6	78.0	402.6	-
CONSTRUCTION DETAILS - SHEET 2 OF 5	SPLITTER ISLAND - EAST LEG	-	-	25.4	95.3	119.2	39.2	401.6	78.1	401.6	-
CONSTRUCTION DETAILS - SHEET 3 OF 5	SPLITTER ISLAND - SOUTH LEG	-	-	25.9	96.6	119.0	40.4	407.3	77.5	407.3	-
CONSTRUCTION DETAILS - SHEET 4 OF 5	SPLITTER ISLAND - NORTH LEG	-	-	24.7	93.6	118.9	38.3	389.7	78.1	389.7	-
TOTAL		8628	1798	517	9471	696	3082	1602	312	3832	283

ROADWAY SCHEDULE										
SHEET	LOCATION	TEMPORARY ACCESS (PRIVATE ENTRANCE)	AGGREGATE SHOULDERS, TYPE B-6"	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	DETECTABLE WARNINGS
		STATION TO STATION	X4021000	48101500	40600100	40600982	40603085	40603340	40701881	42400100
		EACH	SQ YD	GAL	SQ YD	TON	TON	SQ YD	SQ FT	SQ FT
ROADWAY PLAN & PROFILE - SHEET 1 OF 5	STA. 101+57.24 TO STA. 103+50.00	1.0	17.5	139.7	62.0	-	12.2	599.0	0.0	0.0
ROADWAY PLAN & PROFILE - SHEET 2 OF 5	STA. 103+50.00 TO STA. 109+50.00	1.0	0.0	641.7	0.0	-	9.9	3125.9	6514.1	118.9
ROADWAY PLAN & PROFILE - SHEET 3 OF 5	STA. 109+50.00 TO STA. 112+20.00	1.0	226.3	198.0	123.7	0.7	13.5	877.5	0.0	0.0
ROADWAY PLAN & PROFILE - SHEET 4 OF 5	STA. 65+66.79 TO STA. 70+00.00	0.0	75.1	214.4	50.5	71.5	5.7	703.2	749.7	0.0
ROADWAY PLAN & PROFILE - SHEET 5 OF 5	STA. 72+00.00 TO STA. 77+34.82	3.0	196.8	406.0	0.0	1.4	19.4	1886.5	1794.5	39.6
CONSTRUCTION DETAILS - SHEET 1 OF 5	SPLITTER ISLAND - WEST LEG	-	-	-	-	-	-	-	84.5	40.1
CONSTRUCTION DETAILS - SHEET 2 OF 5	SPLITTER ISLAND - EAST LEG	-	-	-	-	-	-	-	82.0	40.0
CONSTRUCTION DETAILS - SHEET 3 OF 5	SPLITTER ISLAND - SOUTH LEG	-	-	-	-	-	-	-	85.5	40.4
CONSTRUCTION DETAILS - SHEET 4 OF 5	SPLITTER ISLAND - NORTH LEG	-	-	-	-	-	-	-	80.6	39.6
TOTAL		6	516	1600	237	74	61	7192	9391	319

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CMT <small>Copyright CMT, Inc.</small> CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 04-00663	USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 6		
	PLOT SCALE = 1/8" = 1'-0"	CHECKED - CMC	REVISED -			SCALE:	SHEET NO. 1 OF 3 SHEETS	STA. -	TO STA. -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
	PLOT DATE = 11/12/2012	DATE = 10/22/2012	REVISED -			CONTRACT NO. 63682						

REMOVAL SCHEDULE									
SHEET	LOCATION	PAVEMENT REMOVAL	DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	PAVED SHOULDER REMOVAL	MANHOLES TO BE ADJUSTED	REMOVING MANHOLES	REMOVING CATCH BASINS	REMOVING INLETS
	STATION TO STATION	44000100 SQ YD	44000200 SQ YD	44000500 FOOT	44004250 SQ YD	60255500 EACH	60500040 EACH	60500050 EACH	60500060 EACH
REMOVAL PLAN - SHEET 1 OF 2	STA. 101+57.24 TO STA. 106+00.00	1313.2	160.4	845.6	0.0	1	1	2	0
REMOVAL PLAN - SHEET 1 OF 2	STA. 106+00.00 TO STA. 112+20.00	2539.4	356.3	650.7	0.0	1	2	6	1
REMOVAL PLAN - SHEET 2 OF 2	STA. 65+66.79 TO STA. 70+25.00	657.4	0.0	0.0	408.0	1	0	0	0
REMOVAL PLAN - SHEET 2 OF 2	STA. 72+00.00 TO STA. 77+34.82	1399.8	164.9	0.0	0.0	1	0	0	0
TOTAL		5910	682	1497	408	4	3	8	1

PAVEMENT MARKING SCHEDULE							
SHEET	LOCATION	THERMOPLASTIC PLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PLASTIC PAVEMENT MARKING - LINE 5"	THERMOPLASTIC PLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PLASTIC PAVEMENT MARKING - LINE 12"	RAISED REFLECTIVE PAVEMENT MARKER
	STATION TO STATION	78000100 SQ FT	78000200 FOOT	78000300 FOOT	78000500 SQ YD	78000600 EACH	78100100 EACH
PAVEMENT MARKING PLAN - SHEET 1 OF 2	STA. 101+57.24 TO STA. 107+75.00	149	1660	1239	576	474	26
PAVEMENT MARKING PLAN - SHEET 1 OF 2	STA. 107+75.00 TO STA. 112+20.00	0	1487	786	51	58	2
PAVEMENT MARKING PLAN - SHEET 2 OF 2	STA. 67+95.35 TO STA. 70+00.00	0	663	304	27	26	2
PAVEMENT MARKING PLAN - SHEET 2 OF 2	STA. 72+25.00 TO STA. 77+34.82	0	1630	914	37	58	2
TOTAL		149	5440	3243	691	616	32

FILE NAME = L:\AKCED\1122481\Drawings\1000_Sheets\Schedule of Quantities.dwg



USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
PLOT SCALE = 48.0000' / 1"	DRAWN - MNB	REVISED -
PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET NO. 2 OF 3 SHEETS		STA. -	TO STA. -
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F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 7
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 63682

EARTHWORK SCHEDULE								
LOCATION	STATION RANGE		EARTH EXCAVATION (20200100) CU YD	EARTH EXCAVATION TO BE USED IN EMBANKMENT (ADJ FOR 15% SHRINKAGE) CU YD	EMBANKMENT CU YD	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CU YD	REMOVAL OF UNSUITABLE MATERIAL (20201200) CU YD	
	FROM	TO						
MONAVILLE ROAD WEST LEG	101+57.24	101+77.24	16.43	13.97	0.04	13.93	0.00	
	101+77.24	102+00.00	35.64	30.29	0.51	29.78	1.47	
	102+00.00	102+50.00	79.91	67.92	2.18	65.75	8.73	
	102+50.00	103+00.00	96.11	81.69	1.06	80.64	11.56	
	103+00.00	103+33.33	82.07	69.76	0.00	69.76	6.60	
	103+33.33	103+50.00	46.15	39.23	0.00	39.23	3.99	
	103+50.00	104+00.00	152.54	129.66	0.00	129.66	17.99	
	104+00.00	104+50.00	197.20	167.62	13.76	153.86	28.37	
	104+50.00	105+00.00	299.01	254.16	14.02	240.14	38.12	
	105+00.00	105+50.00	343.72	292.16	1.14	291.03	19.63	
	105+50.00	106+00.00	315.19	267.92	34.69	233.23	27.95	
	106+00.00	106+06.57	41.70	35.44	10.34	25.10	7.60	
	MONAVILLE ROAD EAST LEG	107+37.17	107+49.85	21.95	18.66	13.80	4.85	4.20
		107+49.85	108+00.00	109.49	93.07	21.69	71.38	19.80
108+00.00		108+50.00	197.23	167.65	0.59	167.05	29.60	
108+50.00		109+03.23	291.50	247.78	2.45	245.32	26.87	
109+03.23		109+50.00	191.16	162.49	8.25	154.23	16.20	
109+50.00		110+00.00	125.01	106.26	8.38	97.88	15.60	
110+00.00		110+50.00	107.18	91.10	6.82	84.28	11.44	
110+50.00		111+00.00	88.47	75.20	11.09	64.11	7.41	
111+00.00		111+24.26	44.91	38.18	6.91	31.26	2.43	
111+24.26		111+50.00	45.37	38.57	7.18	31.39	3.29	
111+50.00		112+00.00	78.70	66.90	6.52	60.38	3.50	
112+00.00		112+20.00	16.68	14.18	0.36	13.82	0.00	

EARTHWORK SCHEDULE								
LOCATION	STATION RANGE		EARTH EXCAVATION (20200100) CU YD	EARTH EXCAVATION TO BE USED IN EMBANKMENT (ADJ FOR 15% SHRINKAGE) CU YD	EMBANKMENT CU YD	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CU YD	REMOVAL OF UNSUITABLE MATERIAL (20201200) CU YD	
	FROM	TO						
CEDAR LAKE ROAD SOUTH LEG	67+95.35	68+00.00	1.64	1.39	0.00	1.39	0.00	
	68+00.00	68+15.35	21.59	18.35	0.11	18.24	0.04	
	68+15.35	68+50.00	82.76	70.35	21.79	48.56	7.96	
	68+50.00	69+00.00	125.15	106.38	88.60	17.77	29.06	
	69+00.00	69+50.00	136.37	115.91	163.57	-47.66	37.55	
	69+50.00	70+00.00	141.47	120.25	240.75	-120.50	40.16	
	70+00.00	70+49.15	132.01	112.21	334.12	-221.91	48.10	
	71+80.26	72+00.00	117.39	99.78	9.28	90.50	21.44	
	72+00.00	72+50.00	287.44	244.32	16.53	227.79	43.81	
	72+50.00	72+91.68	232.36	197.50	5.13	192.37	22.03	
CEDAR LAKE ROAD SOUTH LEG	72+91.68	72+93.43	9.43	8.01	0.12	7.89	0.40	
	73+00.00	73+50.00	198.14	168.42	14.81	153.61	16.77	
	73+50.00	74+00.00	123.83	105.26	39.69	65.56	24.50	
	74+00.00	74+50.00	108.95	92.61	60.52	32.09	27.31	
	74+50.00	75+00.00	104.87	89.14	61.70	27.44	26.51	
	75+00.00	75+22.49	45.86	38.98	25.85	13.13	8.30	
	75+22.49	75+50.00	57.23	48.64	35.22	13.42	10.49	
	75+50.00	76+00.00	111.02	94.37	69.84	24.52	27.71	
	76+00.00	76+50.00	108.39	92.13	57.45	34.68	26.35	
	76+50.00	77+00.00	105.45	89.64	43.20	46.43	22.90	
	77+00.00	77+29.54	32.65	27.75	12.74	15.02	6.54	
	77+29.54	77+34.81	0.74	0.63	0.01	0.63	0.00	
	ROUNDABOUT	106+06.57	107+37.17	924.46	785.79	642.16	143.63	185.99
	TOTAL			6232.54	5297.66	2114.98	3182.68	946.26

*EARTHWORK SCHEDULE DOES NOT INCLUDE UNDERCUT, BUT IT HAS BEEN INCLUDED IN THE TOTAL PLAN QUANTITY. REFER TO SHEET 82, UNDERCUT DETAIL, FOR CUBIC YARDAGE OF UNDERCUT.

GENERAL NOTES

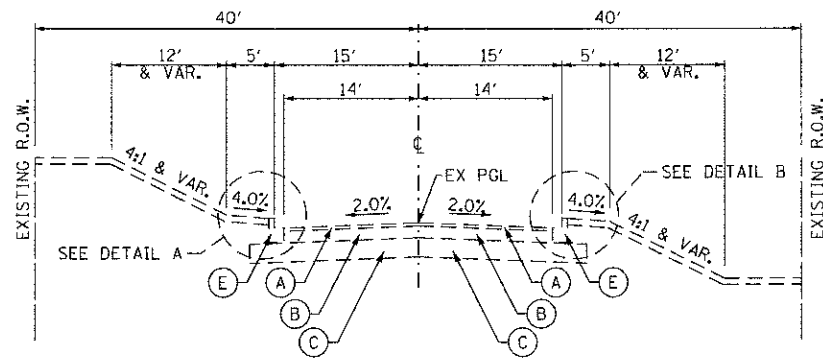
- REMOVAL OF EXISTING AGGREGATE BASE COURSE AND AGGREGATE SHOULDER, UNLESS INCLUDED IN OTHER PAY ITEMS, SHALL BE CONSIDERED AS "EARTH EXCAVATION".
- EXCAVATION REQUIRED TO CLEAN SIDE ROAD DITCHES, CONSTRUCT DRIVEWAYS, OR CONSTRUCT SIDE ROAD APPROACHES SHALL BE INCLUDED IN "EARTH EXCAVATION".
- ALL SUITABLE EXCESS MATERIAL FROM SEWER TRENCHES, ROADWAY WIDENING, SIDE ROADS, ENTRANCES OR NECESSARY EXCAVATIONS SHALL BE USED IN THE ROADWAY EMBANKMENT. PLACEMENT AND COMPACTION OF THIS MATERIAL SHALL BE CONSIDERED INCIDENTAL TO "EARTH EXCAVATION" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- EXCESS MATERIALS, IF NOT UTILIZED AS FILL, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF OFF-SITE BY THE CONTRACTOR.

- CLEARING AND GRUBBING OF ALL LOGS, SHRUBS, BUSHES, SAMPLINGS, GRASS, WEEDS, OTHER VEGETATION AND STUMPS OF A DIAMETER LESS THAN 6 INCHES NOT SHOWN TO BE REMOVED AS A SEPARATE PAY ITEM SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION".
- AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AND TREATED IN ACCORDANCE WITH SECTION 301 AND THE UNDERCUT GUIDELINES, IN THE IDOT SUBGRADE STABILITY MANUAL, AND AS DIRECTED BY THE ENGINEER.
- WHEN SLOPES ARE TO BE WIDENED, STEPS SHALL BE CUT INTO THE EXISTING SLOPES ACCORDING TO ARTICLE 205.03 OF THE "STANDARD SPECIFICATIONS" AT NO ADDITIONAL COST TO THE CONTRACT.

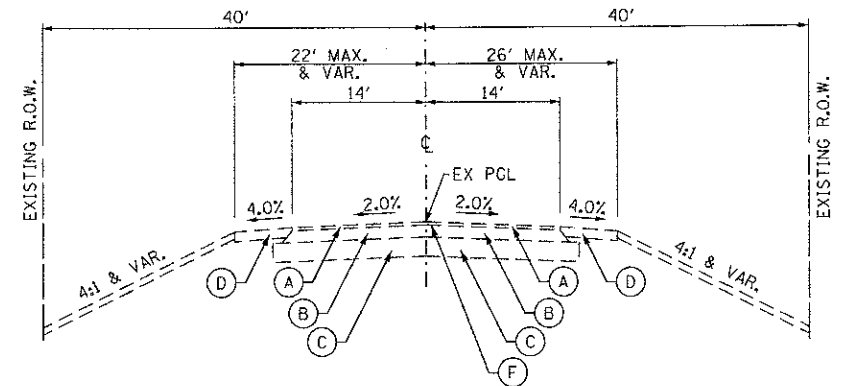
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EXISTING LEGEND

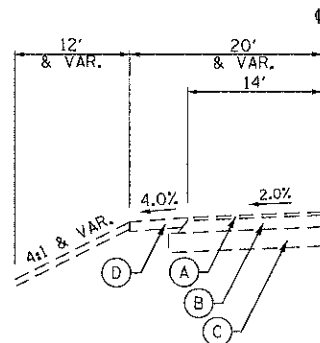
- (A) BITUMINOUS SURFACE COURSE, 1.5"
- (B) BITUMINOUS BASE COURSE:
 - MONAVILLE EAST AND WEST LEGS - 7.5"
 - CEDAR LAKE SOUTH LEG - VARIES 7.5"-9"
 - CEDAR LAKE NORTH LEG - VARIES 5.25"-6"
- (C) AGGREGATE SUB BASE:
 - MONAVILLE EAST AND WEST LEGS - 5"
 - CEDAR LAKE SOUTH LEG - 12"
 - CEDAR LAKE NORTH LEG - VARIES 5"-10"
- (D) AGGREGATE SHOULDER, 6"
- (E) CONCRETE CURB AND GUTTER, B-6.12
- (F) CRACK REFLECTIVE FABRIC



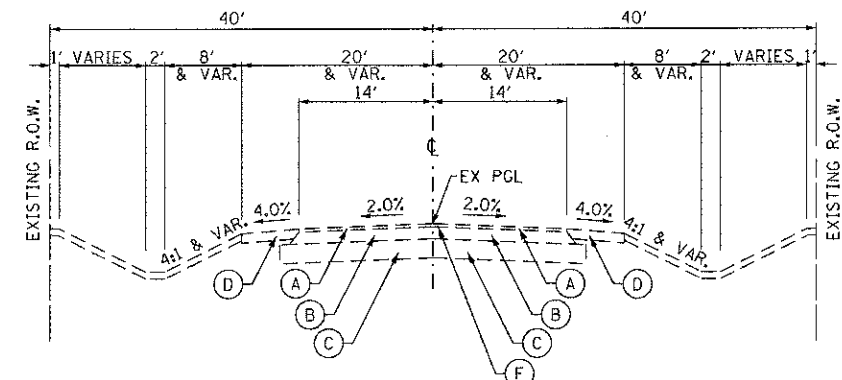
EXISTING TYPICAL SECTION
MONAVILLE ROAD STA 101+57.24 TO 112+20.00



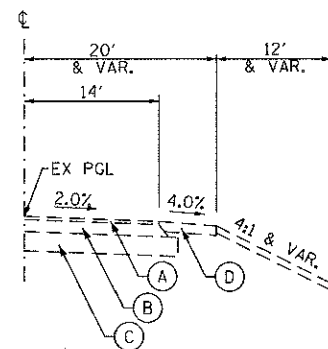
EXISTING TYPICAL SECTION
CEDAR LAKE ROAD STA 65+66.79 TO 71+34.87
(SOUTH LEG)



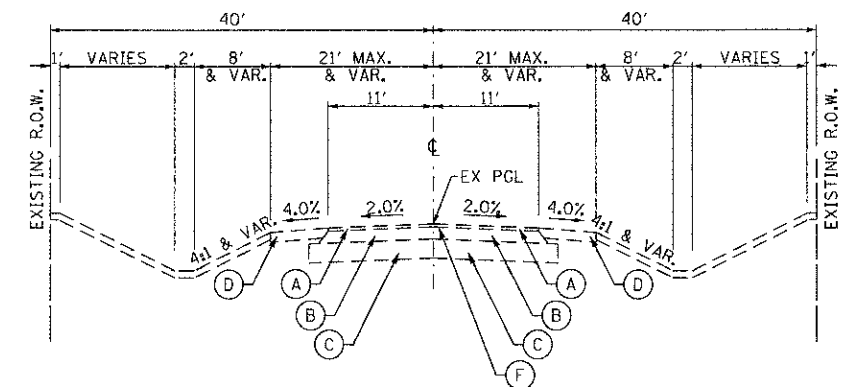
DETAIL A
MONAVILLE ROAD SHOULDER SECTION
STA 111+88.00 TO 112+20.00



EXISTING TYPICAL SECTION
CEDAR LAKE ROAD STA 71+14.87 TO 73+80.00
(NORTH LEG)



DETAIL B
MONAVILLE ROAD SHOULDER SECTION
STA 106+71.73 TO 112+20.00



EXISTING TYPICAL SECTION
CEDAR LAKE ROAD STA 73+80.00 TO 77+34.82
(NORTH LEG)

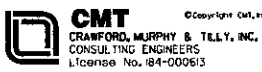
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
EXISTING
CEDAR LAKE ROAD AND MONAVILLE ROAD

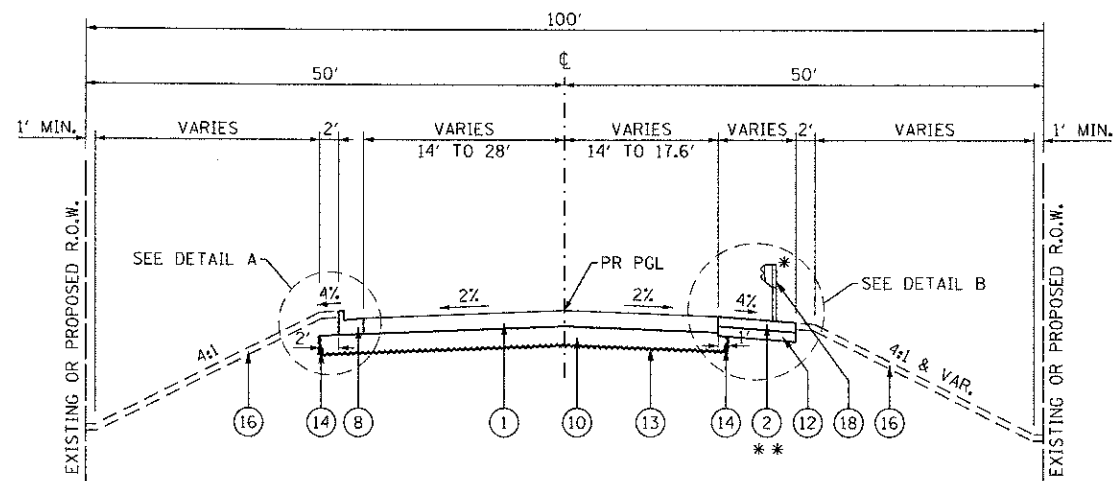
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63682	

USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
PLGT SCALE = 20.0000' / 1"	DRAWN - MNB	REVISED -
PLGT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

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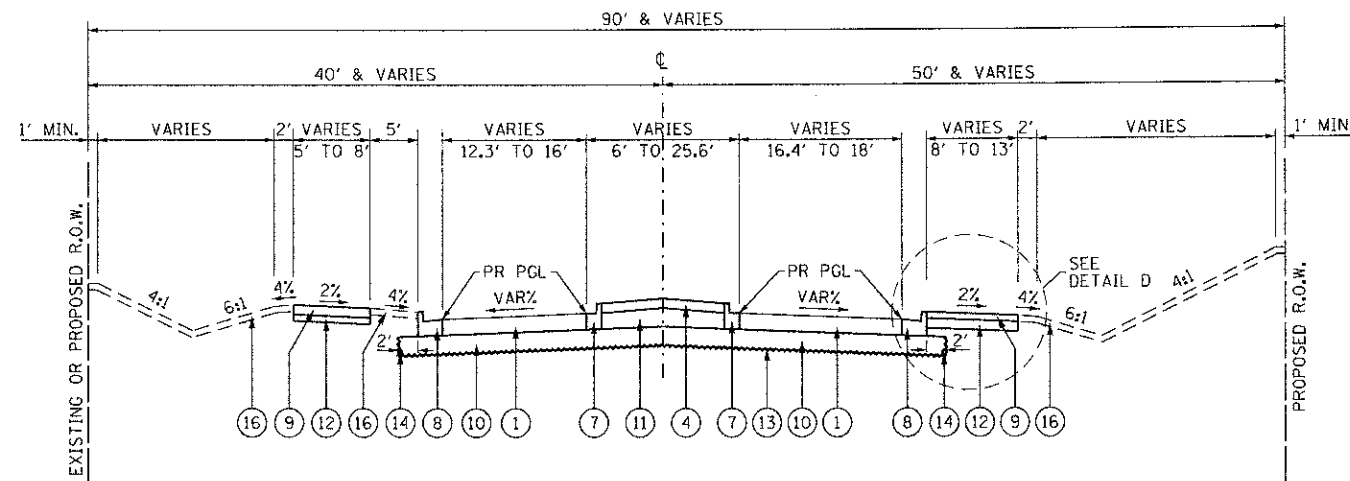


SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

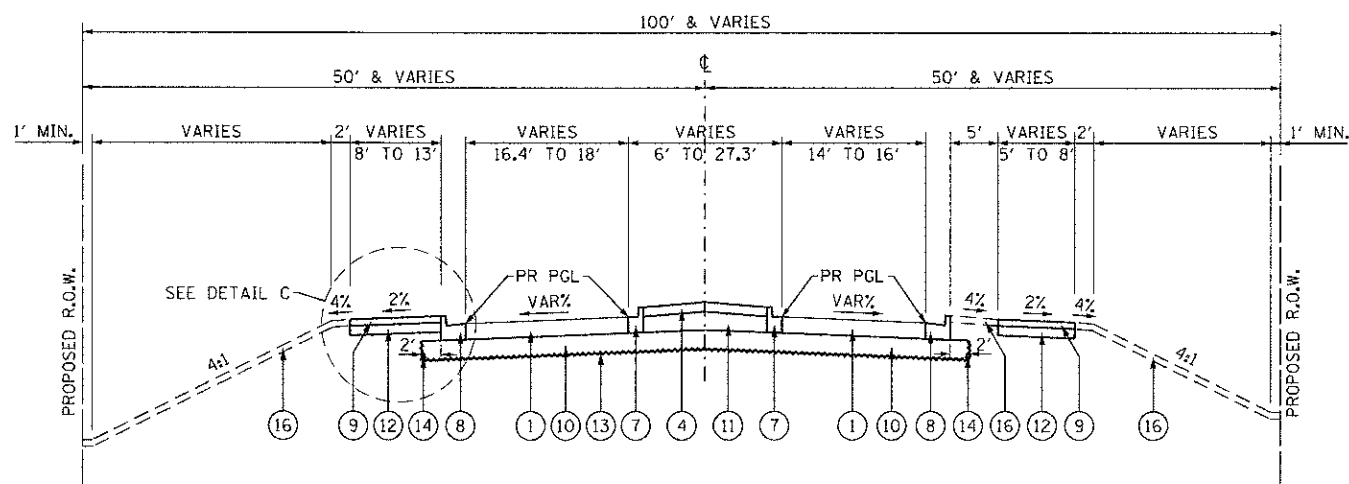


**PROPOSED TYPICAL SECTION
CEDAR LAKE ROAD
STA 68+15.35 TO 69+74.35 (SOUTH LEG)
STA 65+66.79 TO 68+15.35 (SOUTH LEG) - RIGHT SIDE SHOULDER WORK ONLY**

NOTE: BUTT JOINT LIMITS ARE FROM STA. 67+95.35 TO STA. 68+15.35
* CUARDRAIL STA. 66+02.66 TO STA. 69+02.59
** STA. 65+66.79 TO 69+06.14 CONTRACTOR TO MATCH EXISTING SHOULDER CROSS-SLOPE

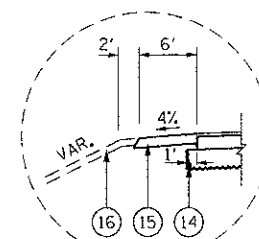


**PROPOSED TYPICAL SECTION
CEDAR LAKE ROAD
STA 71+79.87 TO 72+55.38 (NORTH LEG)**

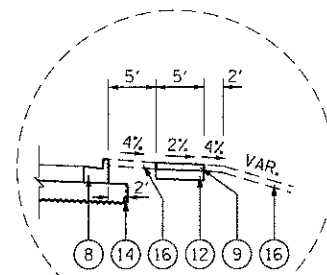


**PROPOSED TYPICAL SECTION
CEDAR LAKE ROAD
STA 69+74.35 TO 70+49.87 (SOUTH LEG)**

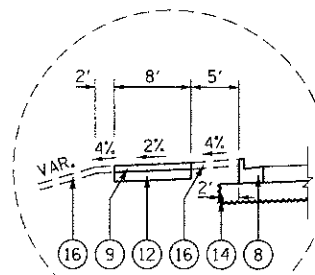
**STA. 70+49.87 TO STA. 71+79.87
SEE ROADWAY PLAN, SHEET 21**



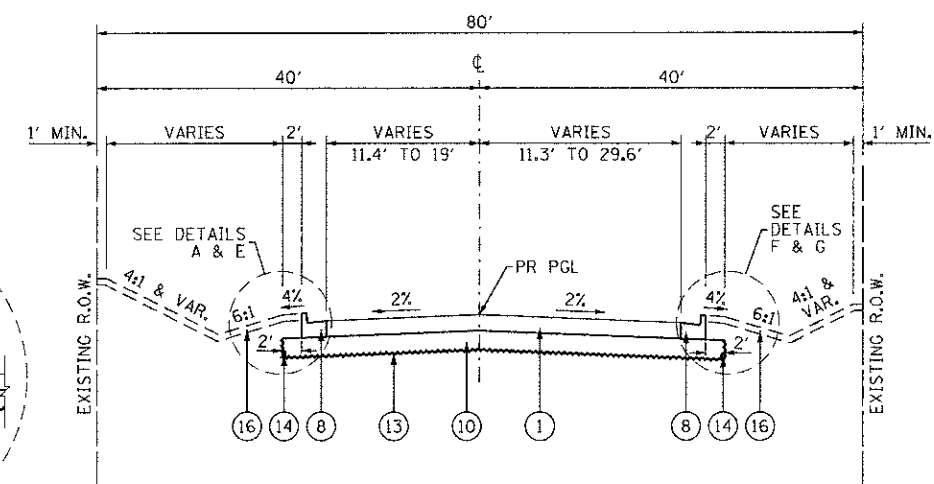
**DETAIL A
STA. 68+15.35 TO 69+01.89
STA. 76+05.94 TO 77+14.82**



**DETAIL B
STA. 69+06.14 TO 69+74.35**



**DETAIL C
STA. 70+23.91 TO 70+49.87**

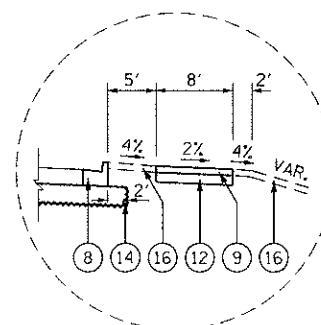


**PROPOSED TYPICAL SECTION
CEDAR LAKE ROAD
STA 72+55.38 TO 77+14.82 (NORTH LEG)**

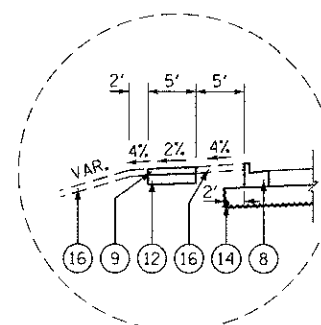
NOTE: BUTT JOINT LIMITS ARE FROM STA. 77+14.82 TO STA. 77+34.82

PROPOSED LEGEND

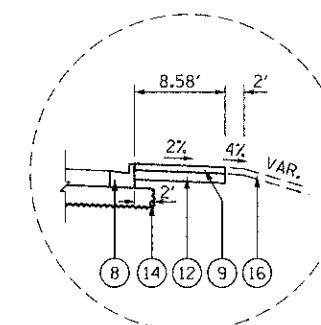
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|---|---|
| ① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" (40701881) | ⑨ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH (42400100) |
| ② HOT-MIX ASPHALT SHOULDERS, 6" (48203021) | ⑩ AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112) |
| ③ NOT USED | ⑪ AGGREGATE SUBGRADE IMPROVEMENT (30300001) |
| ④ CONCRETE MEDIAN SURFACE, 4 INCH (60618300)
STAMPED COLORED PORTLAND CEMENT CONCRETE (XX006898) | ⑫ AGGREGATE BASE COURSE, TYPE B 6" (35101800) |
| ⑤ PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED) (42000564)
STAMPED COLORED PORTLAND CEMENT CONCRETE (XX006898) | ⑬ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000) |
| ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06 (X6064201) | ⑭ PIPE UNDERDRAINS 4" (MODIFIED) (X6013600) |
| ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800) | ⑮ AGGREGATE SHOULDERS, TYPE B 6" (48101500) |
| ⑧ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000) | ⑯ TOPSOIL FURNISH AND PLACE, 4" (21101615) |
| | ⑰ TOPSOIL FURNISH AND PLACE, 6" (21101625) |
| | ⑱ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001) |



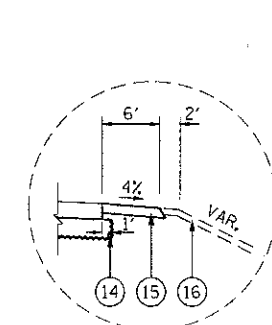
**DETAIL D
STA. 71+79.87 TO 72+04.59**



**DETAIL E
STA. 72+55.38 TO 73+79.10**



**DETAIL F
STA. 72+55.38 TO 72+60.94**



**DETAIL G
STA. 75+40.73 TO 77+14.82**

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USER NAME = Jeff Sedig
PLOT SCALE = 20/0000 1" = 100'
PLOT DATE = 11/12/2012

DESIGNED - MNB
DRAWN - MNB
CHECKED - CMC
DATE - 10/22/2012

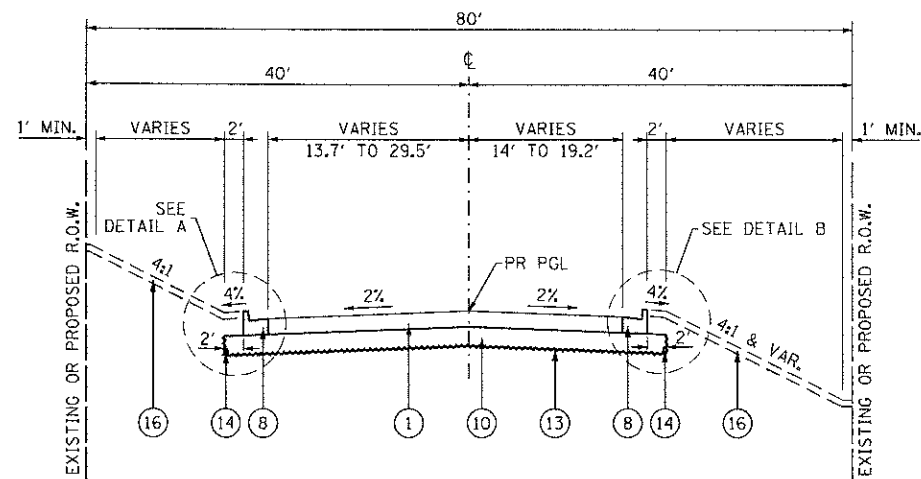
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
PROPOSED
CEDAR LAKE ROAD**

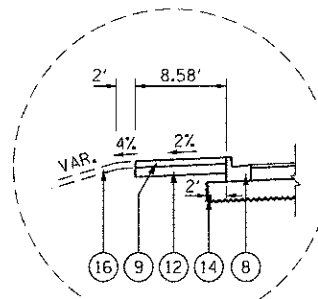
SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63682	

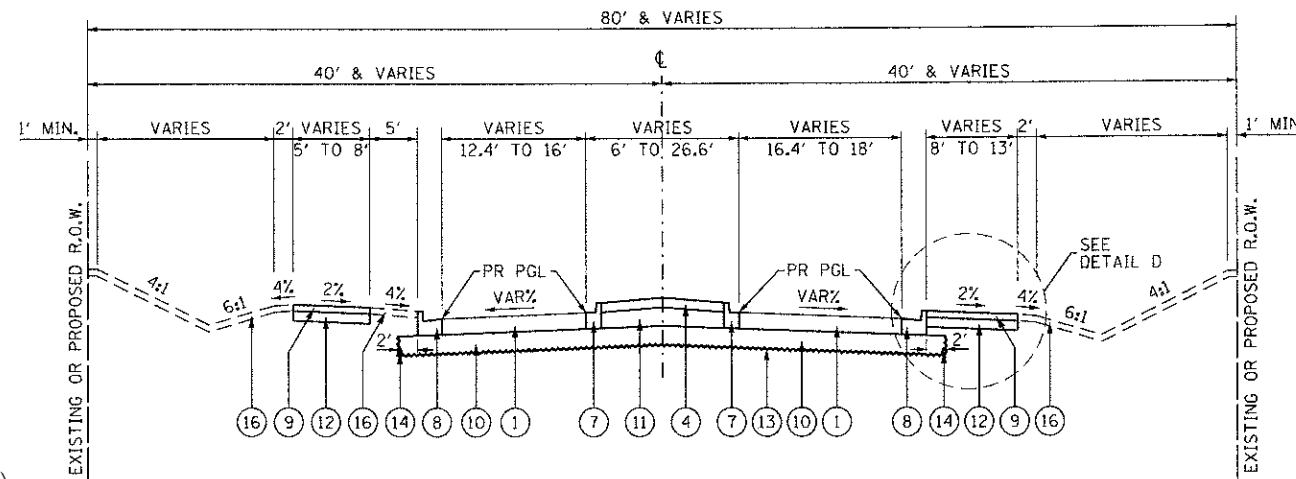


**PROPOSED TYPICAL SECTION
MONAVILLE ROAD
STA 101+77.24 TO 105+31.21 (WEST LEG)**

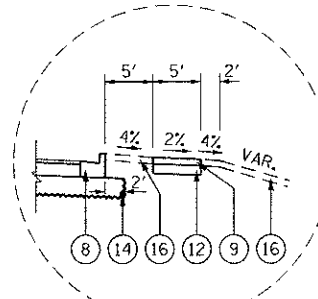
NOTE: BUTT JOINT LIMITS ARE FROM STA. 101+57.24 TO STA. 101+77.24



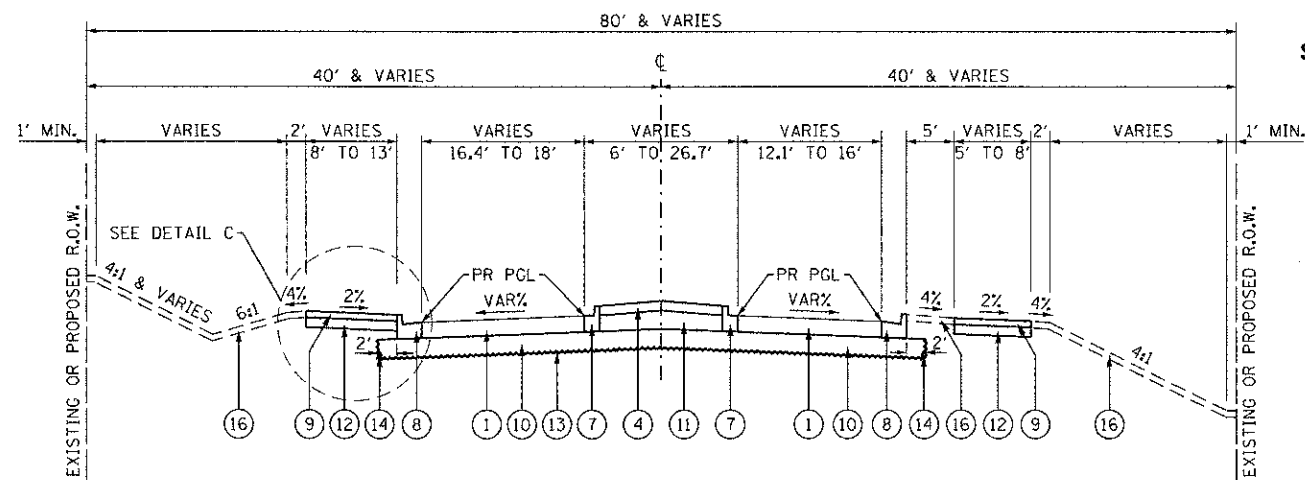
**DETAIL A
STA. 105+25.03 TO 105+31.21**



**PROPOSED TYPICAL SECTION
MONAVILLE ROAD
STA 107+36.73 TO 108+12.25 (EAST LEG)**

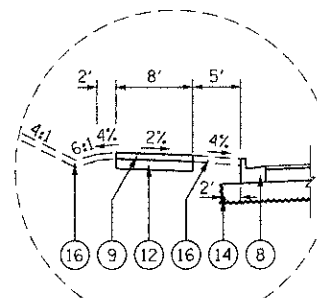


**DETAIL B
STA. 104+12.41 TO 105+31.21**

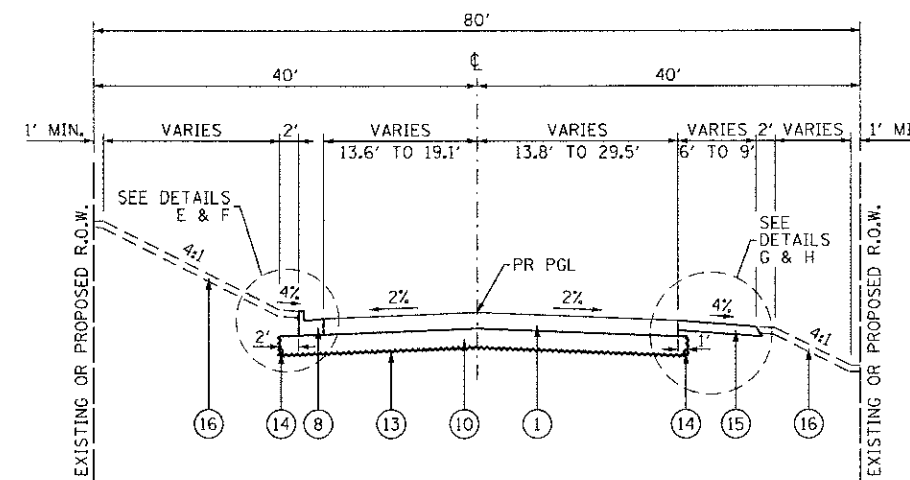


**PROPOSED TYPICAL SECTION
MONAVILLE ROAD
STA 105+31.21 TO 106+06.73 (WEST LEG)**

**STA. 70+49.87 TO STA. 71+79.87
SEE ROADWAY PLAN, SHEET 21**

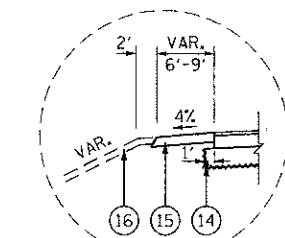


**DETAIL C
STA. 105+82.00 TO 106+06.73**



**PROPOSED TYPICAL SECTION
MONAVILLE ROAD
STA 108+12.25 TO 112+00.00 (EAST LEG)**

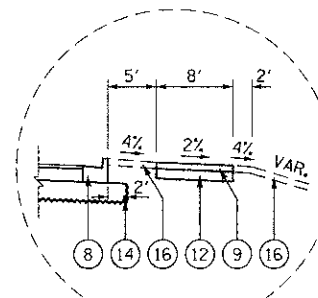
NOTE: BUTT JOINT LIMITS ARE FROM STA. 112+00.00 TO STA. 112+20.00



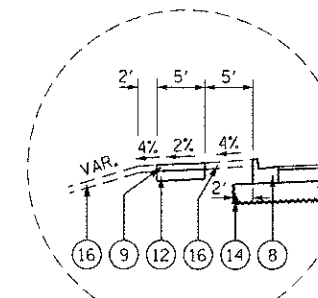
**DETAIL D
STA. 109+49.98 TO 112+00.00**

PROPOSED LEGEND

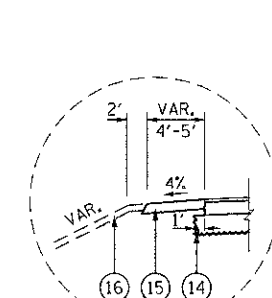
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|---|---|
| ① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" (40701881) | ⑨ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH (42400100) |
| ② HOT-MIX ASPHALT SHOULDERS, 6" (48203021) | ⑩ AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112) |
| ③ NOT USED | ⑪ AGGREGATE SUBGRADE IMPROVEMENT (30300001) |
| ④ CONCRETE MEDIAN SURFACE, 4 INCH (60618300)
STAMPED COLORED PORTLAND CEMENT CONCRETE (XX006898) | ⑫ AGGREGATE BASE COURSE, TYPE B 6" (35101800) |
| ⑤ PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED) (42000564)
STAMPED COLORED PORTLAND CEMENT CONCRETE (XX006898) | ⑬ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000) |
| ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06 (X6064201) | ⑭ PIPE UNDERDRAINS 4" (MODIFIED) (X6013600) |
| ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800) | ⑮ AGGREGATE SHOULDERS, TYPE B 6" (48101500) |
| ⑧ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000) | ⑯ TOPSOIL FURNISH AND PLACE, 4" (21101615) |
| | ⑰ TOPSOIL FURNISH AND PLACE, 6" (21101625) |
| | ⑱ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001) |



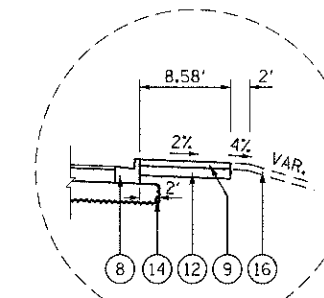
**DETAIL E
STA. 71+79.87 TO 72+04.59**



**DETAIL F
STA. 108+12.25 TO 109+38.09**



**DETAIL G
STA. 111+88.06 TO 112+00.00**



**DETAIL H
STA. 108+12.25 TO 108+17.69**

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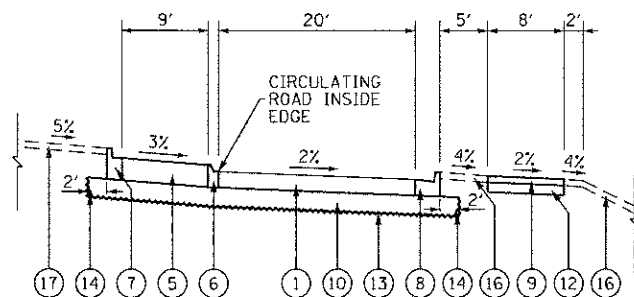
USER NAME = Jaff Sedig	DESIGNED - MNB	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MNB	REVISED -
PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
PROPOSED
MONAVILLE ROAD**

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 11
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**PROPOSED TYPICAL SECTION - CIRCULATING LANE
CEDAR LAKE ROAD / MONAVILLE ROAD ROUNDABOUT**

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE TYPE	THICKNESS	MIX TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" (40701881)			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	2"	IL 9.5 mm	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	8"		4% @ 70 GYR
HOT-MIX ASPHALT SHOULDERS, 6" (48203021)			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	2"	IL 9.5 mm	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	4"		4% @ 70 GYR
DRIVEWAYS (PAID FOR AS TONNAGE OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70)			
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70	2.5"	IL 9.5 mm	4% @ 70 GYR.
PATCHING PAVEMENT, TYPE I, 10 INCH (44200116)			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	2"	IL 9.5 mm	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	8"		4% @ 70 GYR

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.

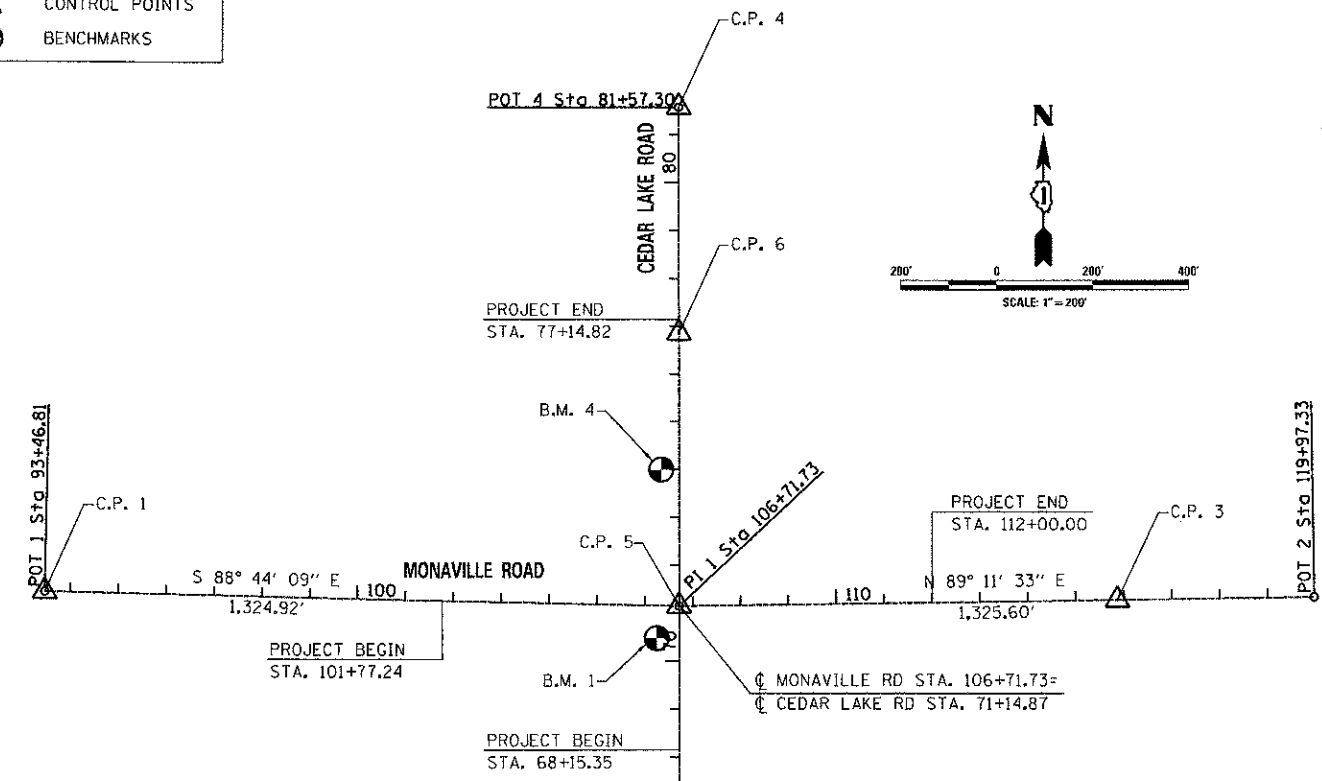
PROPOSED LEGEND

- | | |
|---|---|
| ① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" (40701881) | ⑨ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH (42400100) |
| ② HOT-MIX ASPHALT SHOULDERS, 6" (48203021) | ⑩ AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112) |
| ③ NOT USED | ⑪ AGGREGATE SUBGRADE IMPROVEMENT (30300001) |
| ④ CONCRETE MEDIAN SURFACE, 4 INCH (60618300)
STAMPED COLORED PORTLAND CEMENT CONCRETE (XX006898) | ⑫ AGGREGATE BASE COURSE, TYPE B 6" (35101800) |
| ⑤ PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED) (42000564)
STAMPED COLORED PORTLAND CEMENT CONCRETE (XX006898) | ⑬ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000) |
| ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06 (X6064201) | ⑭ PIPE UNDERDRAINS 4" (MODIFIED) (X6013600) |
| ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800) | ⑮ AGGREGATE SHOULDERS, TYPE B 6" (48101500) |
| ⑧ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (60605000) | ⑯ TOPSOIL FURNISH AND PLACE, 4" (21101615) |
| | ⑰ TOPSOIL FURNISH AND PLACE, 6" (21101625) |
| | ⑱ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (63000001) |

FILE NAME = L:\AL\GCD\112248\Draw\0400_Sheets\Typ_P.R.2.dgn

CMT <small>Copyright CMT, Inc.</small> CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME = Jeff Sedig PLOT SCALE = 20.0000' / 1"	DESIGNED - MNB DRAWN - MNB CHECKED - CMC DATE - 10/22/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS PROPOSED CIRCULATING LANE	F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 12	CONTRACT NO. 63682
	PLOT DATE = 11/12/2012	SCALE:	SHEET NO. 3 OF 3 SHEETS			STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

LEGEND	
	CONTROL POINTS
	BENCHMARKS



- NOTES
1. ALL STATION AND OFFSET REFERENCES ARE TO THE PROPOSED ROADWAY CENTERLINE UNLESS OTHERWISE NOTED.
 2. THE PROPOSED ALIGNMENTS FOR CEDAR LAKE ROAD AND MONAVILLE ROAD ARE THE SAME AS THE EXISTING ALIGNMENTS.
 3. ALL BEARING ARE REFERENCED TO THE ILLINOIS STATE PLANE NAD 83, EAST ZONE COORDINATE SYSTEM
 4. ALL OF THE ELEVATIONS SHOWN ON THE PLANS ARE U.S.G.S. NAVD 29 MEAN SEA LEVEL DATUM.
 5. COORDINATES ARE STATE PLANE GRID

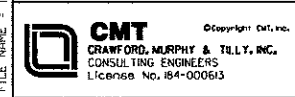
ALIGNMENT INFORMATION			
MONAVILLE ROAD			
PI, POT INFORMATION			
PI, POT	STATION	COORDINATES	
		NORTHING	EASTING
POT 1	93+46.81	2087737.887	1048081.710
PI 1	106+71.73	2087708.656	1049406.310
POT 2	119+97.33	2087727.339	1050731.779

ALIGNMENT INFORMATION			
CEDAR LAKE ROAD			
POT INFORMATION			
POT	STATION	COORDINATES	
		NORTHING	EASTING
POT 3	55+11.03	2086104.821	1049407.995
POT 4	81+57.30	2088751.094	1049405.214

CONTROL POINTS					
<p>CONTROL POINT NO. 1</p> <p>N: 2087737.887 E: 1048081.710 STATION: 93+46.81 OFFSET: 0.0' DESCRIPTION: FOUND HARRISON SURVEY MARKER</p>	<p>CONTROL POINT NO. 2</p> <p>N: 2087190.560 E: 1049406.854 STATION: 65+96.77 OFFSET: 0.0' DESCRIPTION: FOUND HARRISON SURVEY MARKER (SECTION CORNER)</p>	<p>CONTROL POINT NO. 3</p> <p>N: 2087721.545 E: 1050320.745 STATION: 115+86.26 OFFSET: 0.0' DESCRIPTION: FOUND SURVEY MARKER</p>	<p>CONTROL POINT NO. 4</p> <p>N: 2088751.094 E: 1049405.214 STATION: 81+57.30 OFFSET: 0.0' DESCRIPTION: FOUND HARRISON SURVEY MARKER</p>	<p>CONTROL POINT NO. 5</p> <p>N: 2087708.660 E: 1049406.144 STATION: 106+71.57 OFFSET: 0.0' DESCRIPTION: FOUND HARRISON SURVEY MARKER</p> <p>NOTE: CONTROL POINT NO. 5 WILL BE DESTROYED DURING CONSTRUCTION. CONTROL POINT WILL BE REESTABLISHED BY LCDOT POST CONSTRUCTION</p>	<p>CONTROL POINT NO. 6</p> <p>N: 2088279.815 E: 1049405.709 STATION: 76+86.03 OFFSET: 0.0' DESCRIPTION: FOUND HARRISON SURVEY MARKER (SECTION CORNER)</p> <p>NOTE: CONTROL POINT NO. 6 WILL BE DESTROYED DURING CONSTRUCTION. QUARTER SECTION MARKER WILL BE REESTABLISHED BY LCDOT POST CONSTRUCTION</p>

TEMPORARY BENCHMARKS			
<p>BENCHMARK NO. 1</p> <p>N: 2087641.398 E: 1049359.038 ELEVATION: 795.04 STATION: 70+47.66 OFFSET: 47.34' LT DESCRIPTION: X CUT ON NE BOLT OF HYDRANT</p> <p>NOTE: BENCHMARK NO. 1 WILL BE DESTROYED DURING CONSTRUCTION</p>	<p>BENCHMARK NO. 2</p> <p>N: 2087718.178 E: 1052200.136 ELEVATION: 806.15 STATION: 105+20.00 OFFSET: 0.0' DESCRIPTION: CHISELED SQUARE ON TOP OF F.E.S.</p>	<p>BENCHMARK NO. 3</p> <p>N: 2087292.463 E: 1049358.155 ELEVATION: 792.89 STATION: 66+98.72 OFFSET: 48.59' LT DESCRIPTION: X CUT ON BOLT OF HYDRANT</p>	<p>BENCHMARK NO. 4</p> <p>N: 2087993.622 E: 1049368.960 ELEVATION: 801.75 STATION: 73+99.87 OFFSET: 37.05' LT DESCRIPTION: X CUT ON BOLT OF HYDRANT</p>

FILE NAME = L:\ALANECO\1122481\Draw-CADD-Sheets\ATEB.3.dgn



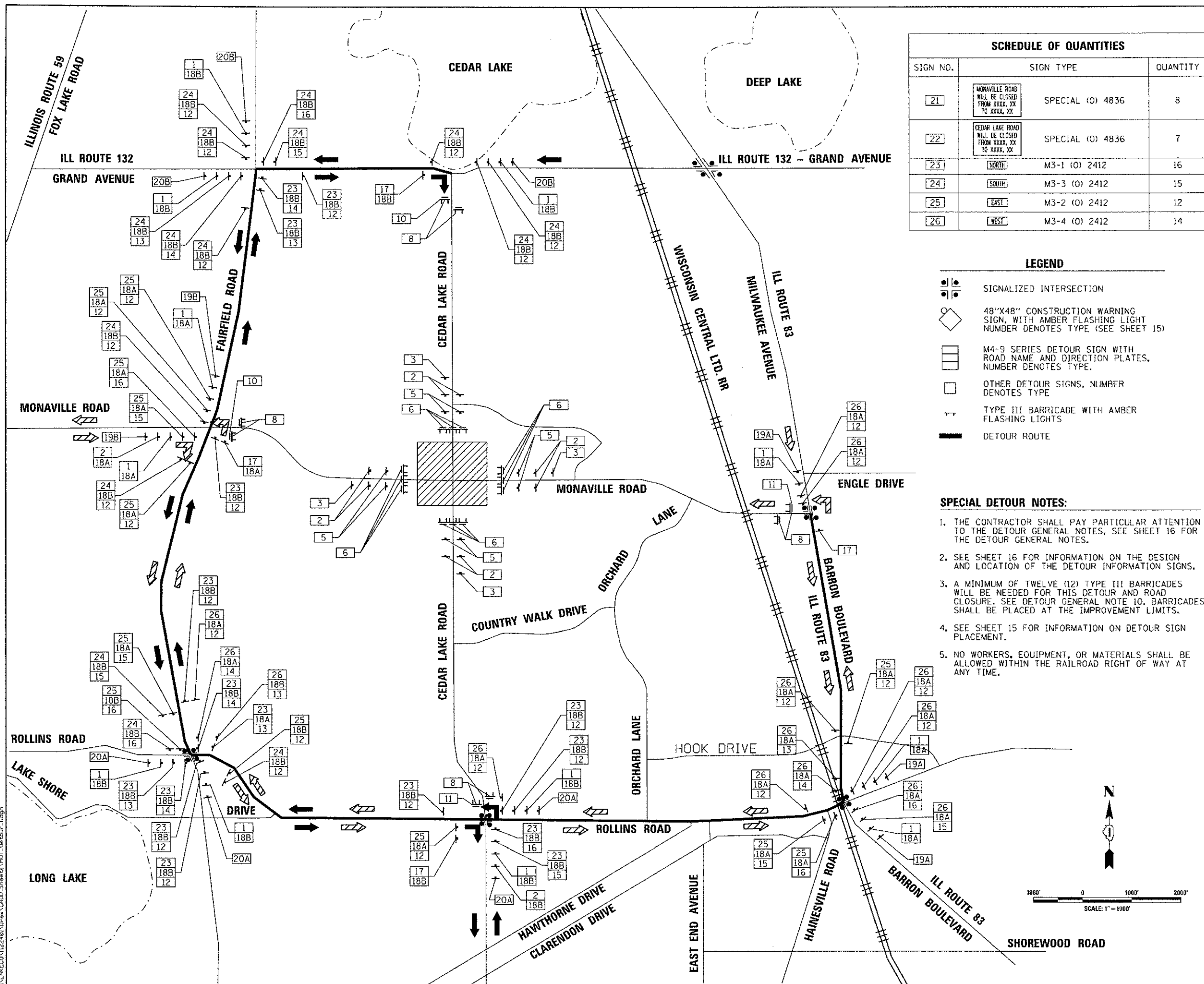
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PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SCALE: 1"=200' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

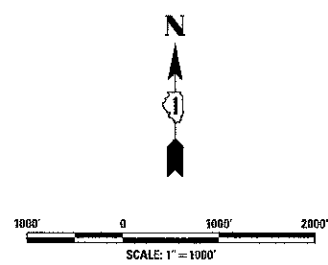
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63682				



SCHEDULE OF QUANTITIES			
SIGN NO.	SIGN TYPE	QUANTITY	
21	MONVILLE ROAD WILL BE CLOSED FROM XXXX, XX TO XXXX, XX	SPECIAL (O) 4836	8
22	CEDAR LAKE ROAD WILL BE CLOSED FROM XXXX, XX TO XXXX, XX	SPECIAL (O) 4836	7
23	NORTH	M3-1 (O) 2412	16
24	SOUTH	M3-3 (O) 2412	15
25	EAST	M3-2 (O) 2412	12
26	WEST	M3-4 (O) 2412	14

- LEGEND**
- SIGNALIZED INTERSECTION
 - 48"X48" CONSTRUCTION WARNING SIGN, WITH AMBER FLASHING LIGHT NUMBER DENOTES TYPE (SEE SHEET 15)
 - M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES, NUMBER DENOTES TYPE.
 - OTHER DETOUR SIGNS, NUMBER DENOTES TYPE
 - TYPE III BARRICADE WITH AMBER FLASHING LIGHTS
 - DETOUR ROUTE

- SPECIAL DETOUR NOTES:**
- THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE DETOUR GENERAL NOTES, SEE SHEET 16 FOR THE DETOUR GENERAL NOTES.
 - SEE SHEET 16 FOR INFORMATION ON THE DESIGN AND LOCATION OF THE DETOUR INFORMATION SIGNS.
 - A MINIMUM OF TWELVE (12) TYPE III BARRICADES WILL BE NEEDED FOR THIS DETOUR AND ROAD CLOSURE. SEE DETOUR GENERAL NOTE 10. BARRICADES SHALL BE PLACED AT THE IMPROVEMENT LIMITS.
 - SEE SHEET 15 FOR INFORMATION ON DETOUR SIGN PLACEMENT.
 - NO WORKERS, EQUIPMENT, OR MATERIALS SHALL BE ALLOWED WITHIN THE RAILROAD RIGHT OF WAY AT ANY TIME.



SCHEDULE OF QUANTITIES			
SIGN NO.	SIGN TYPE	QUANTITY	
1	DETOUR 500 FT	W20-2 (O) 48 (W/AMBER FLASHING LIGHT)	12
2	ROAD CLOSED 1000 FT	W20-3 (O) 48 (W/AMBER FLASHING LIGHT)	10
3	ROAD CLOSED 1500 FT	W20-3 (O) 48 (W/AMBER FLASHING LIGHT)	4
4	ROAD CLOSED AHEAD	W20-3 (O) 48 (W/AMBER FLASHING LIGHT)	0
5	BARRICADE 500 FT	W21-1 100 (O) 48 (W/AMBER FLASHING LIGHT)	8
6	ROAD CLOSED	R11-2 4830	12
7	ROAD CLOSED MILE AHEAD LOCAL TRAFFIC ONLY	R11-3 6030	0
8	ROAD CLOSED TO THRU TRAFFIC	R11-4 6030	8
9	BRIDGE CLOSED MILE AHEAD LOCAL TRAFFIC ONLY	R11-3 6030	0
10	DETOUR	M4-10R (O) 4818	2
11	DETOUR	M4-10L (O) 4818	2
12	DETOUR	M4-9 (O) 3021	31
13	DETOUR	M4-9R (O) 3021	6
14	DETOUR	M4-9R (O) 3021	6
15	DETOUR	M4-9L (O) 3021	7
16	DETOUR	M4-9L (O) 3021	7
17	END DETOUR	M4-8a (O) 2418	4
18A	MONVILLE RD	SPECIAL (O) 9 VARIABLE	31
18B	CEDAR LAKE RD	SPECIAL (O) 9 VARIABLE	43
19A	W.B. MONVILLE ROAD CLOSED TO THRU TRAFFIC USE ROLLINS ROAD	SPECIAL (O) 6030	3
19B	E.B. MONVILLE ROAD CLOSED TO THRU TRAFFIC USE ROLLINS ROAD	SPECIAL (O) 6030	2
20A	N.B. CEDAR LAKE ROAD CLOSED TO THRU TRAFFIC USE FAIRFIELD ROAD	SPECIAL (O) 6030	4
20B	S.B. CEDAR LAKE ROAD CLOSED TO THRU TRAFFIC USE FAIRFIELD ROAD	SPECIAL (O) 6030	3

CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 184-000693

USER NAME = Jeff Sedig
DESIGNED - MNB
DRAWN - MNB
CHECKED - CMC
PLOT SCALE = 2000.0000 "/in.
PLOT DATE = 11/12/2012

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DATE - 10/22/2012

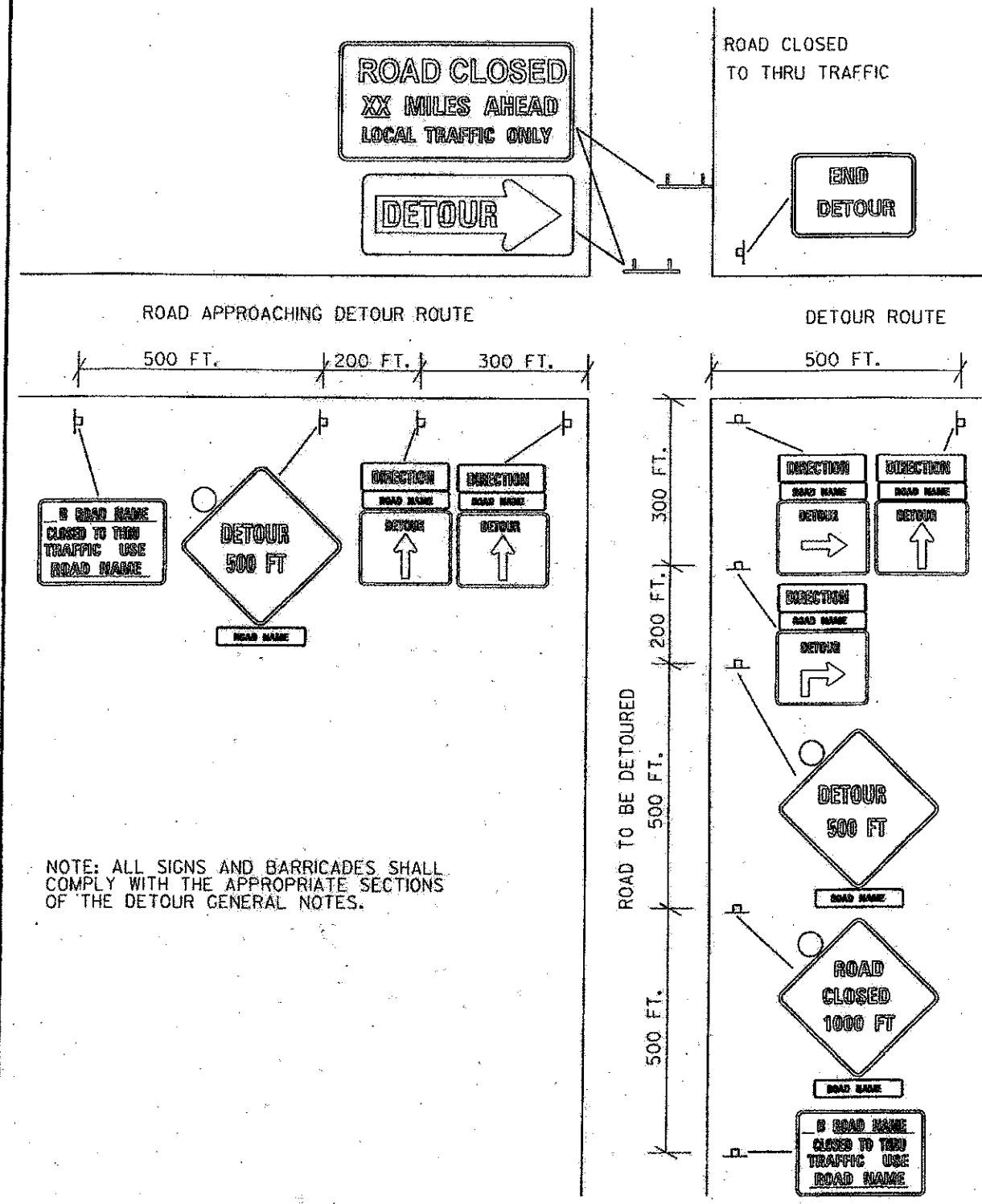
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - DETOUR PLAN

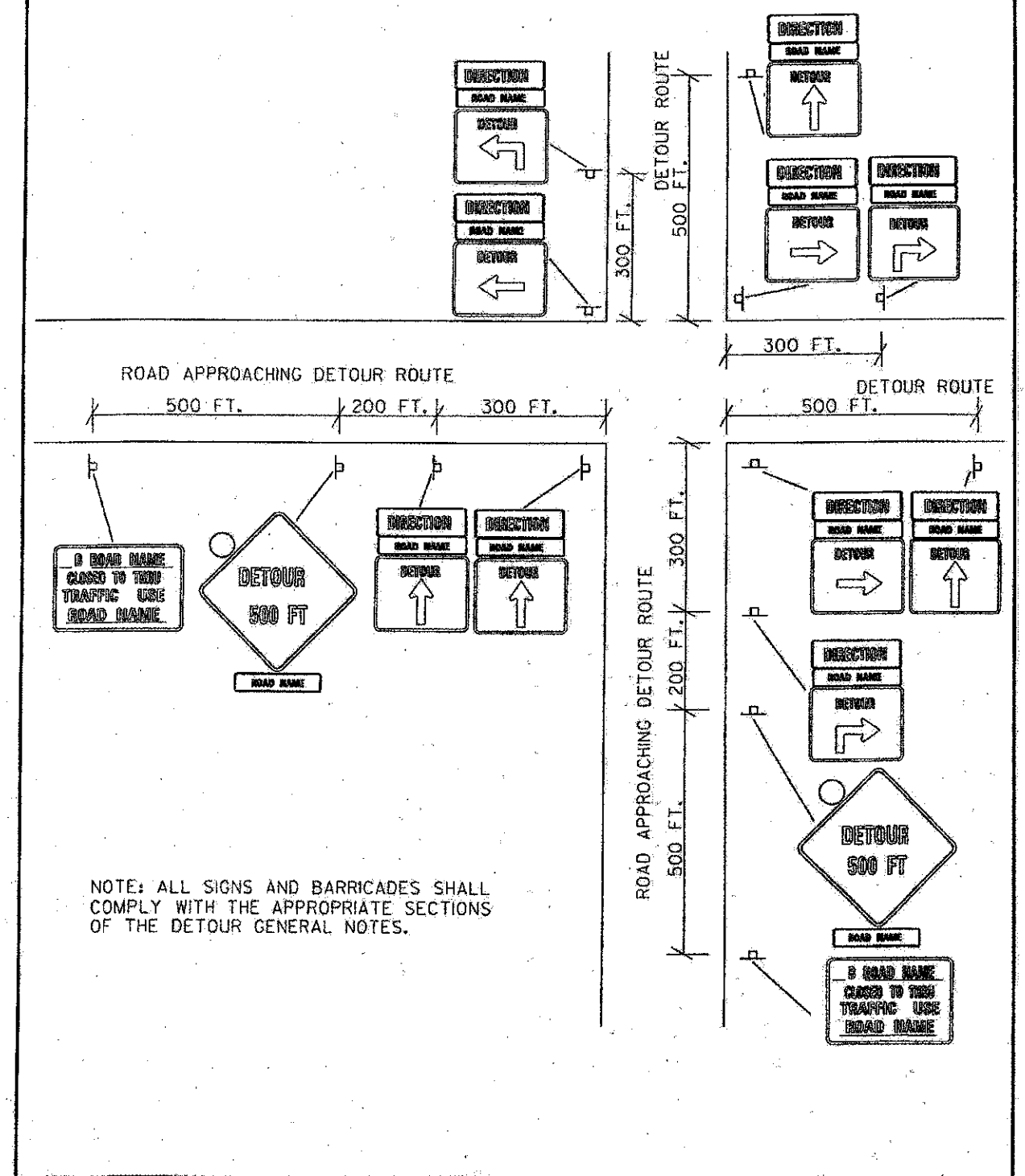
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F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	14
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DETOUR SIGNING AT POINT OF CLOSURE TO THRU TRAFFIC



DETOUR SIGNING AT INTERSECTIONS ON THE DETOUR ROUTE



FILE NAME = L:\A\EC\1122481\Drawings\CADD_Sheets\MOT_Detour_2.dgn



USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
	DRAWN - MNB	REVISED -
PLOT SCALE = 2000.0000" / in.	CHECKED - CMC	REVISED -
PLOT DATE = 11/12/2012	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MOT - DETOUR PLAN

SCALE: NTS SHEET NO. 2 OF 3 SHEETS STA. TO STA.

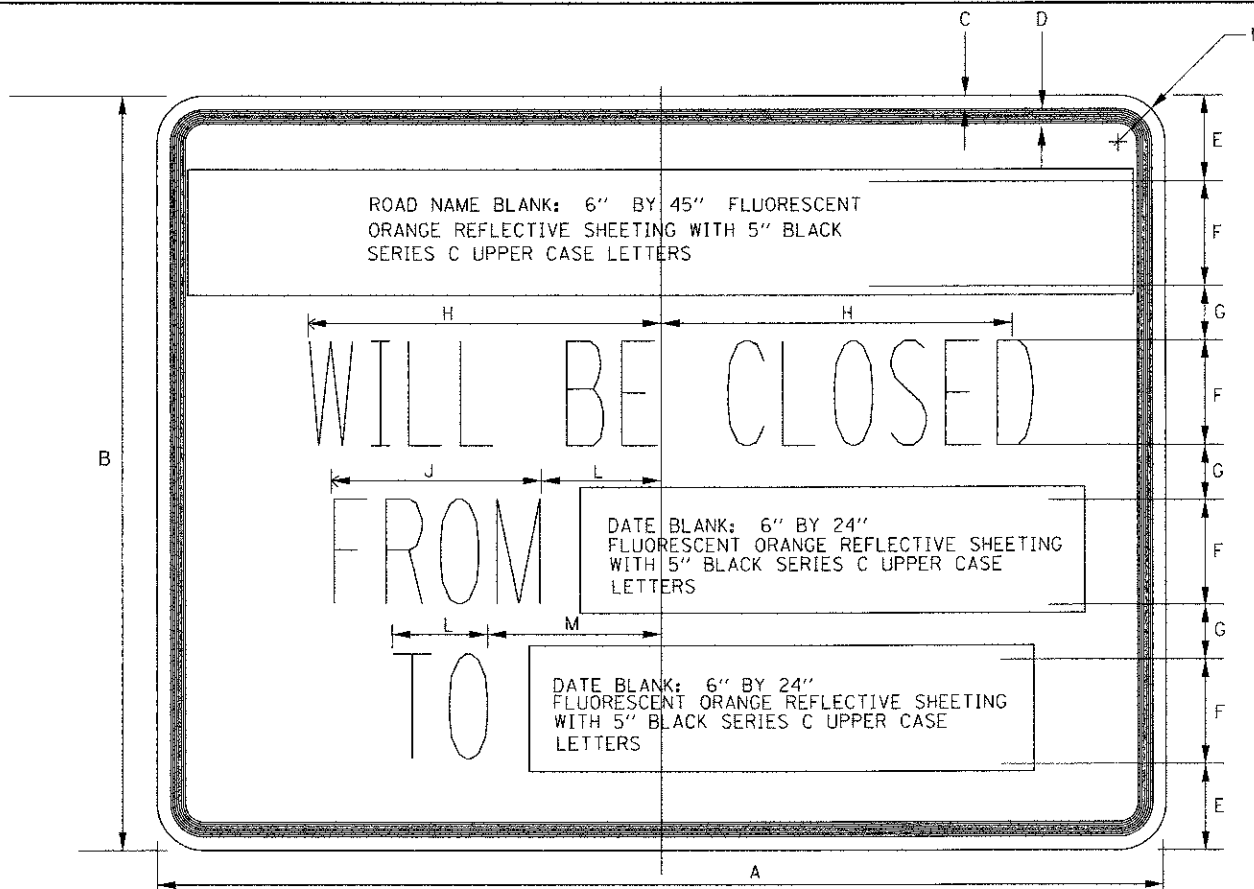
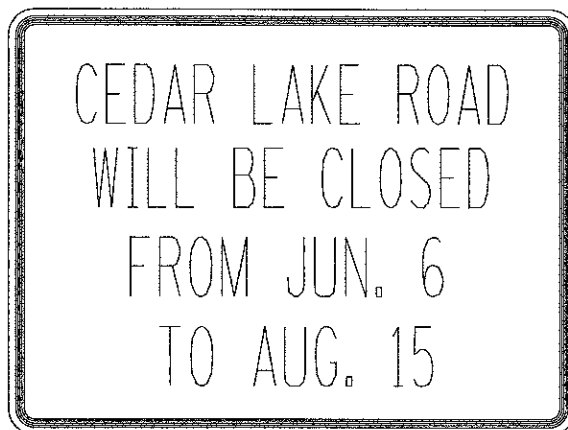
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	15
CONTRACT NO. 636B2				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NUMBER OF SIGNS 8



DATE SHOWN IS FOR EXAMPLE ONLY

NUMBER OF SIGNS 7

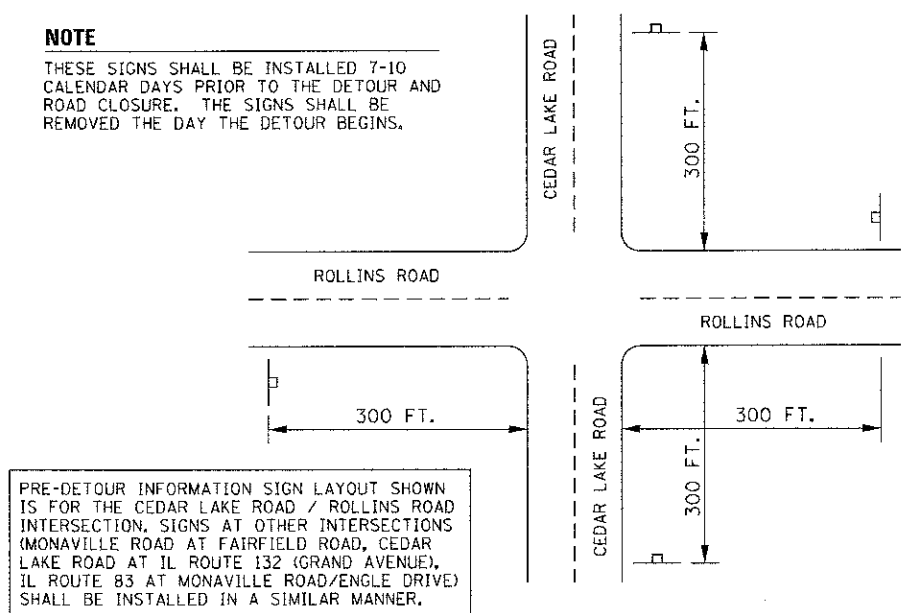


DIMENSIONS (ENGLISH)													
	A	B	C	D	E	F	G	H	J	K	L	M	N
STD.	48	36	5/8	7/8	4/8	5	2 5/8	9 3/4	12	5 1/2	5 1/2	8 1/2	2 1/4

NOTE
SIGN SHEETING SHALL BE FLUORESCENT ORANGE WITH 5 INCH (125 mm) BLACK SERIES C LETTERS.

LOCATIONS OF PRE-DETOUR INFORMATION SIGNS BY INTERSECTION	
MONAVILLE ROAD CLOSED SIGNS	CEDAR LAKE ROAD CLOSED SIGNS
W.B. ENGLE DRIVE APPROACHING IL ROUTE 83	S.B. CEDAR LAKE ROAD PAST IL ROUTE 132
W.B. MONAVILLE ROAD PAST IL ROUTE 83	E.B. IL ROUTE 132 APPROACHING CEDAR LAKE ROAD
S.B. IL ROUTE 83 APPROACHING MONAVILLE ROAD	W.B. IL ROUTE 132 APPROACHING CEDAR LAKE ROAD
N.B. IL ROUTE 83 APPROACHING MONAVILLE ROAD	N.B. CEDAR LAKE ROAD APPROACHING ROLLINS ROAD
E.B. MONAVILLE ROAD APPROACHING FAIRFIELD ROAD	N.B. CEDAR LAKE ROAD PAST ROLLINS ROAD
E.B. MONAVILLE ROAD PAST FAIRFIELD ROAD	E.B. ROLLINS ROAD APPROACHING CEDAR LAKE ROAD
S.B. FAIRFIELD ROAD APPROACHING MONAVILLE ROAD	W.B. ROLLINS ROAD APPROACHING CEDAR LAKE ROAD
N.B. FAIRFIELD ROAD APPROACHING MONAVILLE ROAD	

NOTE
THESE SIGNS SHALL BE INSTALLED 7-10 CALENDAR DAYS PRIOR TO THE DETOUR AND ROAD CLOSURE. THE SIGNS SHALL BE REMOVED THE DAY THE DETOUR BEGINS.



PRE-DETOUR INFORMATION SIGN LAYOUT SHOWN IS FOR THE CEDAR LAKE ROAD / ROLLINS ROAD INTERSECTION. SIGNS AT OTHER INTERSECTIONS (MONAVILLE ROAD AT FAIRFIELD ROAD, CEDAR LAKE ROAD AT IL ROUTE 132 (GRAND AVENUE), IL ROUTE 83 AT MONAVILLE ROAD/ENGLE DRIVE) SHALL BE INSTALLED IN A SIMILAR MANNER.

DETOUR GENERAL NOTES

- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JAN. 1, 2012", ILLINOIS "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JAN. 1, 2013, AND "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010", THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION (LC-T-SECTION 700) AND THE L.C.D.O.T. DETOUR PROCEDURES AND GUIDELINES.
- THE DURATION OF THIS DETOUR SHALL NOT EXCEED 71 CALENDAR DAYS. THE CONTRACTOR SHALL PROCEED WITH THE WORK IN AN EXPEDIENT MANNER TO REDUCE THE LENGTH OF TIME THAT THE DETOUR NEEDS TO BE IN EFFECT.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- IF DEEMED NECESSARY BY THE ENGINEER A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR SHALL BE HELD AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK. THE LAKE COUNTY DIVISION OF TRANSPORTATION REPRESENTATIVE FOR THIS DETOUR IS:

JOHN P. SAUTER
LAKE COUNTY DIVISION OF TRANSPORTATION
TRAFFIC ENGINEERING SECTION
600 W. WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048
(847)-377-7400
- IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
- LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.
- THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.

DETOUR GENERAL NOTES - CONTINUED

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (4) CALENDAR DAYS.
- ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- WHEN REQUIRED THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18" X 18".
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.

DETOUR GENERAL NOTES - CONTINUED

- THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3) AND THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" X VARIABLE OR A 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT ARTICLE 701.04 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD IS APPLICABLE FOR THIS WORK: STANDARD 701901
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- THE PENALTY FOR EXCEEDING THE TIME LIMIT, AS STATED IN DETOUR GENERAL NOTE TWO OF THESE PLANS, SHALL EQUAL THE CHARGE FOR TRAFFIC CONTROL DEFICIENCY OF \$1,000.00 PER CALENDAR DAY, FOR EVERY CALENDAR DAY THE DETOUR AND ROAD CLOSURE EXCEEDS THE TIME LIMIT SET IN DETOUR GENERAL NOTE TWO. THIS PENALTY CAN BE ASSESSED IN ADDITION TO THE PENALTY SPECIFIED IN THE SPECIAL PROVISION FOR TRAFFIC CONTROL AND PROTECTION AND BOTH PENALTIES CAN BE CHARGED CONCURRENTLY.
- THE INTERSECTION WILL ONLY BE ALLOWED TO BE OPEN TO TRAFFIC IF THE SURFACE COURSE, PERMANENT PAVEMENT MARKING, SIGNAGE, AND LIGHTING ARE COMPLETE AND FULLY OPERATIONAL. ITEMS BEING CONSTRUCTED OUTSIDE THE BACK OF CURB MAY CONTINUE AFTER THE ROAD HAS BEEN OPENED TO TRAFFIC, INCLUDING LANDSCAPING.

FILE NAME = L:\AR\EC\1122491\01-01-13\CRD_Signs\1122491-01-13\Detour-3.dgn



USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
PLDT SCALE = 2000.0000 / in.	DRAWN - MNB	REVISED -
PLDT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

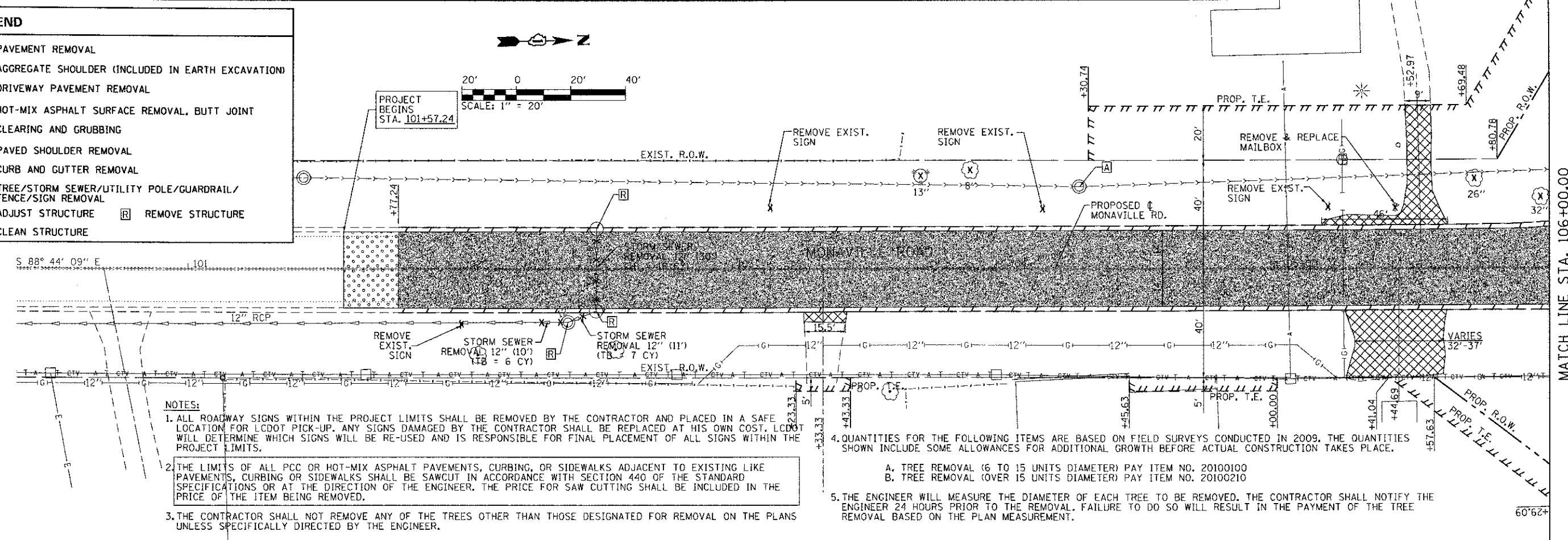
MOT - DETOUR PLAN

SCALE: NTS SHEET NO. 3 OF 3 SHEETS STA. TO STA.

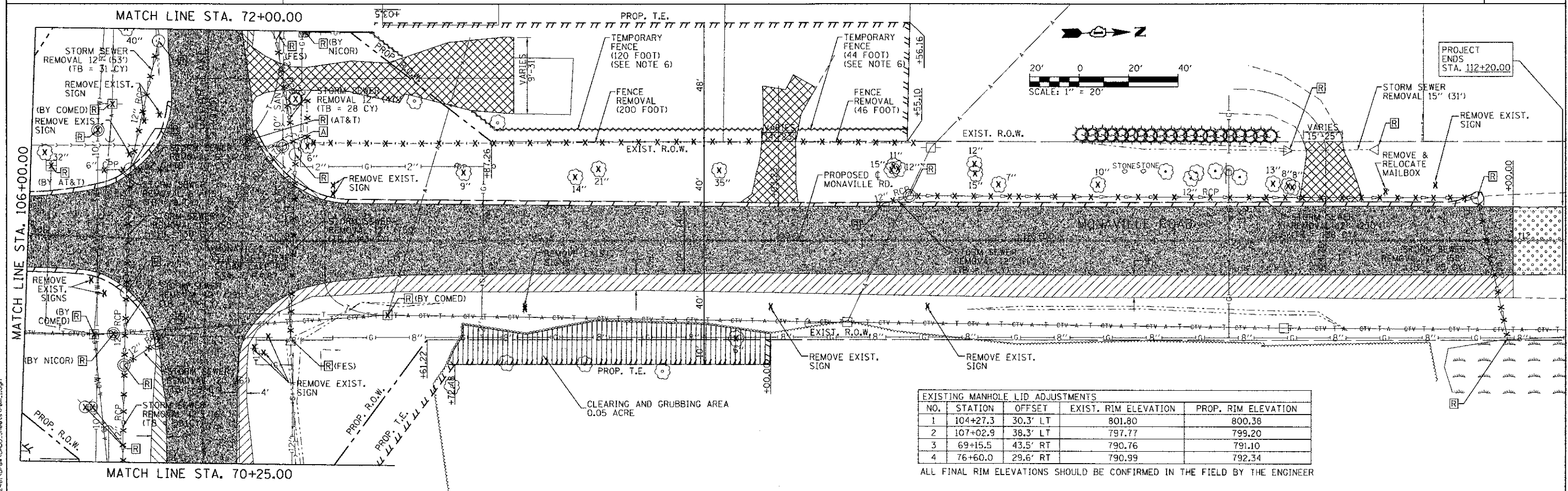
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63682	

LEGEND

- PAVEMENT REMOVAL
- AGGREGATE SHOULDER (INCLUDED IN EARTH EXCAVATION)
- DRIVEWAY PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- CLEARING AND GRUBBING
- PAVED SHOULDER REMOVAL
- CURB AND CUTTER REMOVAL
- TREE/STORM SEWER/UTILITY POLE/GUARDRAIL/FENCE/SIGN REMOVAL
- ADJUST STRUCTURE
- REMOVE STRUCTURE
- CLEAN STRUCTURE



- NOTES:**
- ALL ROADWAY SIGNS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR AND PLACED IN A SAFE LOCATION FOR LCDOT PICK-UP. ANY SIGNS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT HIS OWN COST. LCDOT WILL DETERMINE WHICH SIGNS WILL BE RE-USED AND IS RESPONSIBLE FOR FINAL PLACEMENT OF ALL SIGNS WITHIN THE PROJECT LIMITS.
 - THE LIMITS OF ALL PCC OR HOT-MIX ASPHALT PAVEMENTS, CURBING, OR SIDEWALKS ADJACENT TO EXISTING LIKE PAVEMENTS, CURBING OR SIDEWALKS SHALL BE SAWCUT IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS OR AT THE DIRECTION OF THE ENGINEER. THE PRICE FOR SAW CUTTING SHALL BE INCLUDED IN THE PRICE OF THE ITEM BEING REMOVED.
 - THE CONTRACTOR SHALL NOT REMOVE ANY OF THE TREES OTHER THAN THOSE DESIGNATED FOR REMOVAL ON THE PLANS UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
 - QUANTITIES FOR THE FOLLOWING ITEMS ARE BASED ON FIELD SURVEYS CONDUCTED IN 2009, THE QUANTITIES SHOWN INCLUDE SOME ALLOWANCES FOR ADDITIONAL GROWTH BEFORE ACTUAL CONSTRUCTION TAKES PLACE.
 - A. TREE REMOVAL (6 TO 15 UNITS DIAMETER) PAY ITEM NO. 20100100
 - B. TREE REMOVAL (OVER 15 UNITS DIAMETER) PAY ITEM NO. 20100210
 - THE ENGINEER WILL MEASURE THE DIAMETER OF EACH TREE TO BE REMOVED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS PRIOR TO THE REMOVAL. FAILURE TO DO SO WILL RESULT IN THE PAYMENT OF THE TREE REMOVAL BASED ON THE PLAN MEASUREMENT.



EXISTING MANHOLE LID ADJUSTMENTS				
NO.	STATION	OFFSET	EXIST. RIM ELEVATION	PROP. RIM ELEVATION
1	104+27.3	30.3' LT	801.80	800.38
2	107+02.9	38.3' LT	797.77	799.20
3	69+15.5	43.5' RT	790.76	791.10
4	76+60.0	29.6' RT	790.99	792.34

ALL FINAL RIM ELEVATIONS SHOULD BE CONFIRMED IN THE FIELD BY THE ENGINEER

FILE NAME = L:\LAME\01122481\Draw\CDOT_Sheets\rem1.dgn



USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
PLOT SCALE = 40,0000 / in.	DRAWN - ERD	REVISED -
PLOT DATE = #PLOTDATE#	CHECKED - CMC	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN MONAVILLE ROAD		F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 17
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 63682	
		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

SIGN REMOVAL SCHEDULE								
NO.	SIGN	CODE	SIZE (IN X IN)	SQ FT	TYPE	ROAD	STATION	OFFSET
1	STOP	R1-1	36 X 36	7.45	1	CEDAR LAKE RD	70+72	20' RT
2	ALL WAY	R1-4	6 X 18	0.75	1	CEDAR LAKE RD	70+72	20' RT
3	A18 LAKE COUNTY	M1-6	24 X 25	3.00	1	CEDAR LAKE RD	70+70	24' RT
4	MONAVILLE RD	D-3	8 X 36	2.00	1	CEDAR LAKE RD	70+70	24' RT
5	TWO DIRECTION ARROW	M6-4	15 X 21	2.19	1	CEDAR LAKE RD	70+70	24' RT
6	MONAVILLE RD	D-3	12 X 48	4.00	1	CEDAR LAKE RD	70+77	26' RT
7	CEDAR LAKE RD	D-3	12 X 48	4.00	1	CEDAR LAKE RD	70+77	26' RT
8	ADOPT A HIGHWAY	-	36 X 36	9.00	1	MONAVILLE RD	108+00	27' RT
9	ATTORNEY AT LAW	-	18 X 36	4.50	1	MONAVILLE RD	108+00	27' RT
10	EMERGENCY SIGN	-	36 X 36	4.50	1	MONAVILLE RD	108+00	27' RT
11	SPEED LIMIT 45	R2-1	36 X 30	7.50	1	MONAVILLE RD	109+00	27' RT
12	EAST	M3-2	12 X 24	2.00	1	MONAVILLE RD	109+63	27' RT
13	A18 LAKE COUNTY	M1-6	24 X 25	3.00	1	MONAVILLE RD	109+63	27' RT
14	MONAVILLE RD	D-3	8 X 36	2.00	1	MONAVILLE RD	109+63	27' RT
15	STOP	R1-1	36 X 36	7.45	1	MONAVILLE RD	107+23	19' LT
16	ALL WAY	R1-4	6 X 18	0.75	1	MONAVILLE RD	107+23	19' LT
17	V63 LAKE COUNTY	M1-6	24 X 25	3.00	1	MONAVILLE RD	107+23	22' LT
18	CEDAR LAKE RD	D-3	8 X 36	2.00	1	MONAVILLE RD	107+23	22' LT
19	TWO DIRECTION ARROW	M6-4	15 X 21	2.19	1	MONAVILLE RD	107+23	22' LT
20	ADOPT A HIGHWAY	-	36 X 36	9.00	1	CEDAR LAKE RD	72+70	28' RT
21	ALENDALE ASSOCIATION	-	18 X 36	4.50	1	CEDAR LAKE RD	72+70	28' RT
22	EMERGENCY SIGN	-	36 X 36	4.50	1	CEDAR LAKE RD	72+70	28' RT
23	SPEED LIMIT 45	R2-1	36 X 30	7.50	1	CEDAR LAKE RD	73+71	23' RT
24	NORTH	M3-1	12 X 24	2.00	1	CEDAR LAKE RD	74+71	23' RT
25	V63 LAKE COUNTY	M1-6	24 X 25	3.00	1	CEDAR LAKE RD	74+71	23' RT
26	CEDAR LAKE RD	D-3	8 X 36	2.00	1	CEDAR LAKE RD	74+71	23' RT
27	JCT	M2-1	15 X 21	2.19	1	CEDAR LAKE RD	75+80	25' LT
28	A18 LAKE COUNTY	M1-6	24 X 25	3.00	1	CEDAR LAKE RD	75+80	25' LT
29	MONAVILLE RD	D-3	8 X 36	2.00	1	CEDAR LAKE RD	75+80	25' LT
30	STOP	R1-1	36 X 36	7.45	1	CEDAR LAKE RD	71+65	19' LT
31	ALL WAY	R1-4	6 X 18	0.75	1	CEDAR LAKE RD	71+65	19' LT
32	A18 LAKE COUNTY	M1-6	24 X 25	3.00	1	CEDAR LAKE RD	71+63	25' LT
33	MONAVILLE RD	D-3	8 X 36	2.00	1	CEDAR LAKE RD	71+63	25' LT
34	TWO DIRECTION ARROW	M6-4	15 X 21	2.19	1	CEDAR LAKE RD	71+63	25' LT
35	MONAVILLE RD	D-3	12 X 48	4.00	1	CEDAR LAKE RD	71+49	31' LT
36	CEDAR LAKE RD	D-3	12 X 48	4.00	1	CEDAR LAKE RD	71+49	31' LT
37	ADOPT A HIGHWAY	-	36 X 36	9.00	1	MONAVILLE RD	105+19	23' LT
38	LIONS CLUB	-	18 X 36	4.50	1	MONAVILLE RD	105+19	23' LT
39	EMERGENCY SIGN	-	36 X 36	4.50	1	MONAVILLE RD	105+19	23' LT
40	SPEED LIMIT 45	R2-1	36 X 30	7.50	1	MONAVILLE RD	104+14	22' LT

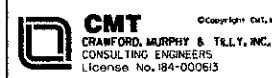
SIGN REMOVAL SCHEDULE								
NO.	SIGN	CODE	SIZE (IN X IN)	SQ FT	TYPE	ROAD	STATION	OFFSET
41	WEST	M3-4	12 X 24	2.00	1	MONAVILLE RD	103+14	22' LT
42	A18 LAKE COUNTY	M1-6	24 X 25	3.00	1	MONAVILLE RD	103+14	22' LT
43	MONAVILLE RD	D-3	8 X 36	2.00	1	MONAVILLE RD	103+14	22' LT
44	JCT	M2-1	15 X 21	2.19	1	MONAVILLE RD	102+00	20' RT
45	V63 LAKE COUNTY	M1-6	24 X 25	3.00	1	MONAVILLE RD	102+00	20' RT
46	CEDAR LAKE RD	D-3	8 X 36	2.00	1	MONAVILLE RD	102+00	20' RT
47	STOP	R1-1	36 X 36	7.45	1	MONAVILLE RD	106+26	18' RT
48	ALL WAY	R1-4	6 X 18	0.75	1	MONAVILLE RD	106+26	18' RT
49	V63 LAKE COUNTY	M1-6	24 X 25	3.00	1	MONAVILLE RD	106+32	23' RT
50	CEDAR LAKE RD	D-3	8 X 36	2.00	1	MONAVILLE RD	106+32	23' RT
51	TWO DIRECTION ARROW	M6-4	15 X 21	2.19	1	MONAVILLE RD	106+32	23' RT
52	ADOPT A HIGHWAY	-	36 X 36	9.00	1	CEDAR LAKE RD	69+88	28' LT
53	HAIR TAN & NAIL SALON	-	18 X 36	4.50	1	CEDAR LAKE RD	69+88	28' LT
54	EMERGENCY SIGN	-	36 X 36	4.50	1	CEDAR LAKE RD	69+88	28' LT
55	SPEED LIMIT 40	R2-1	36 X 30	7.50	1	CEDAR LAKE RD	69+37	28' LT
56	SOUTH	M3-3	12 X 24	2.00	1	CEDAR LAKE RD	68+84	29' LT
57	V63 LAKE COUNTY	M1-6	24 X 25	3.00	1	CEDAR LAKE RD	68+84	29' LT
58	CEDAR LAKE RD	D-3	8 X 36	2.00	1	CEDAR LAKE RD	68+84	29' LT
62	JCT	M2-1	15 X 21	2.19	1	MONAVILLE RD	111+68	22' LT
63	V63 LAKE COUNTY	M1-6	24 X 25	3.00	1	MONAVILLE RD	111+68	22' LT
64	CEDAR LAKE RD	D-3	8 X 36	2.00	1	MONAVILLE RD	111+68	22' LT

TOTAL - REMOVE SIGN PANEL, TYPE 1 (SQ FT)	230
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NOTE

1. ALL "FOR SALE" SIGNS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE OWNERS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

FILE NAME = L:\LAW\ED\112240\10-CA00-Sheets\env_3-sign_schedule.dgn



USER NAME = Jeff Sedig
 DESIGNED - MNB
 DRAWN - MNB
 CHECKED - CMC
 DATE - 10/22/2012

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIGN REMOVAL SCHEDULE

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

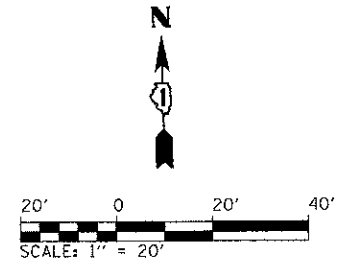
F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 19
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 63682

ROADWAY GENERAL NOTES

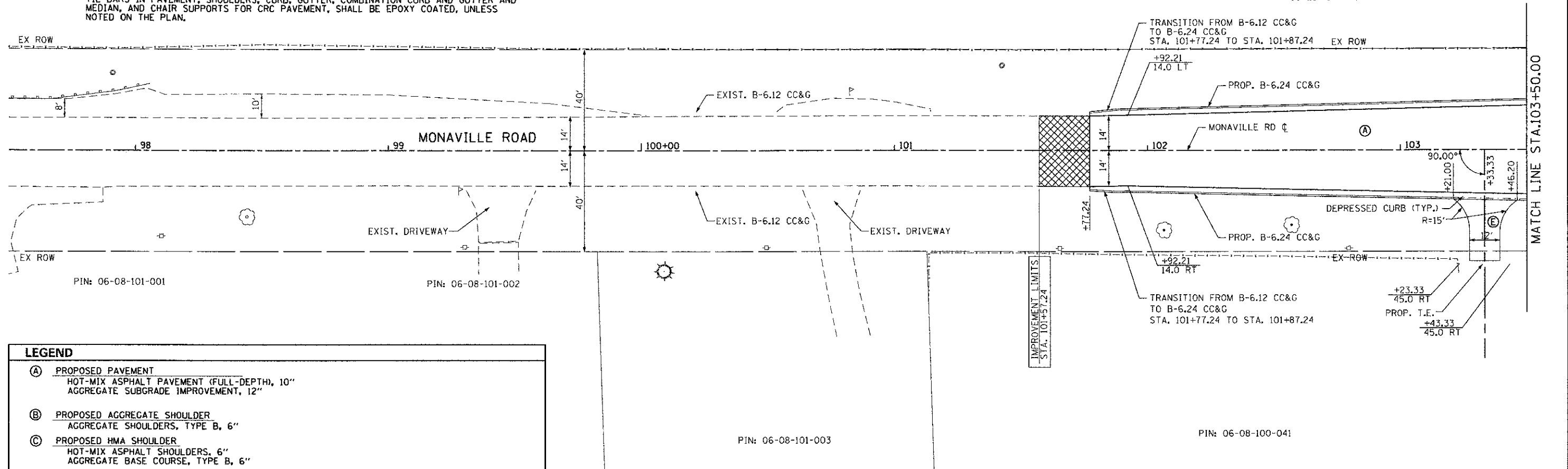
- WHERE THE NEW WORK IS PROPOSED TO MEET EXISTING FEATURES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD CHECK ALL DIMENSIONS AND ELEVATIONS AND NOTIFY THE ENGINEER OF DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION.
- PROTECTIVE COAT SHALL BE APPLIED TO ALL CURBS, GUTTERS AND P.C.C. PAVEMENTS, SIDEWALKS AND DRIVEWAYS.
- ALL STATIONS AND OFFSETS ARE BASED ON CENTER LINES ON MONAVILLE ROAD OR CEDAR LAKE ROAD, UNLESS OTHERWISE NOTED
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.

PIN: 06-08-100-042



DATE	
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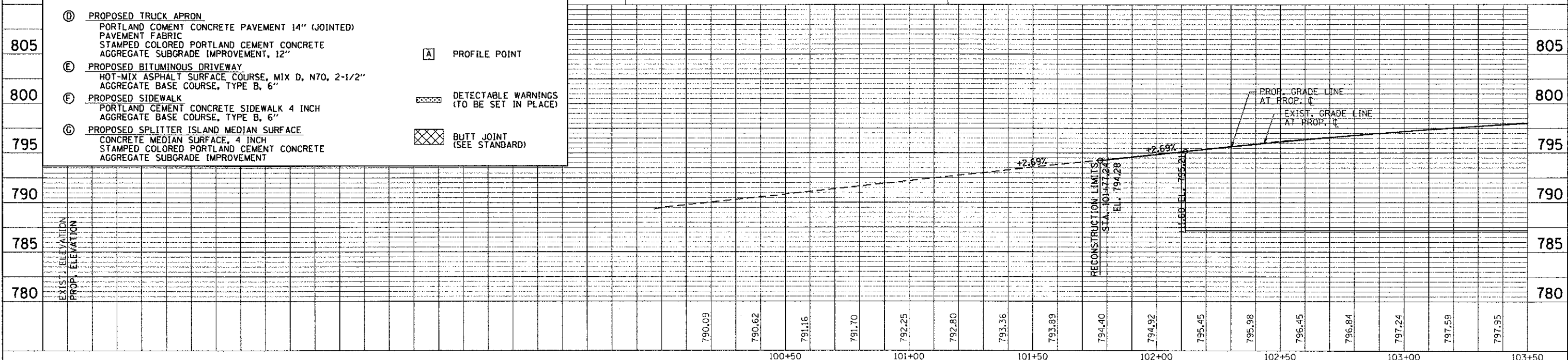
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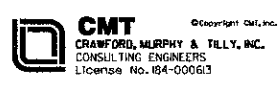
LEGEND	
(A)	PROPOSED PAVEMENT HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" AGGREGATE SUBGRADE IMPROVEMENT, 12"
(B)	PROPOSED AGGREGATE SHOULDER AGGREGATE SHOULDERS, TYPE B, 6"
(C)	PROPOSED HMA SHOULDER HOT-MIX ASPHALT SHOULDERS, 6" AGGREGATE BASE COURSE, TYPE B, 6"
(D)	PROPOSED TRUCK APRON PORTLAND CEMENT CONCRETE PAVEMENT 14" (JOINTED) PAVEMENT FABRIC STAMPED COLORED PORTLAND CEMENT CONCRETE AGGREGATE SUBGRADE IMPROVEMENT, 12"
(E)	PROPOSED BITUMINOUS DRIVEWAY HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 2-1/2" AGGREGATE BASE COURSE, TYPE B, 6"
(F)	PROPOSED SIDEWALK PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH AGGREGATE BASE COURSE, TYPE B, 6"
(G)	PROPOSED SPLITTER ISLAND MEDIAN SURFACE CONCRETE MEDIAN SURFACE, 4 INCH STAMPED COLORED PORTLAND CEMENT CONCRETE AGGREGATE SUBGRADE IMPROVEMENT
[Symbol]	PROFILE POINT
[Symbol]	DETECTABLE WARNINGS (TO BE SET IN PLACE)
[Symbol]	BUTT JOINT (SEE STANDARD)

PIN: 06-08-101-003

PIN: 06-08-100-041



FILE NAME = L:\A\PROJECTS\102540\Drawings\0608\Sheets\prop_1_monaville.dwg



USER NAME = Jeff Sedig	DESIGNED -	REVISED -
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PLOT DATE = 11/12/2012	CHECKED -	REVISED -
	DATE -	REVISED -

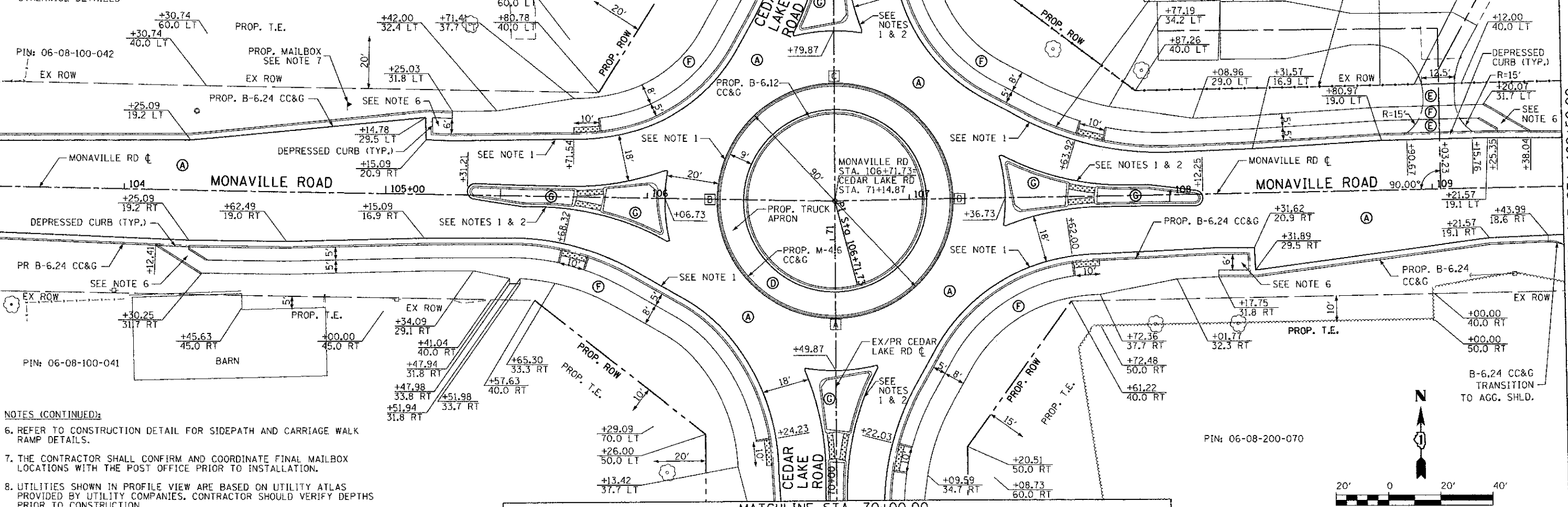
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY PLAN & PROFILE
MONAVILLE ROAD

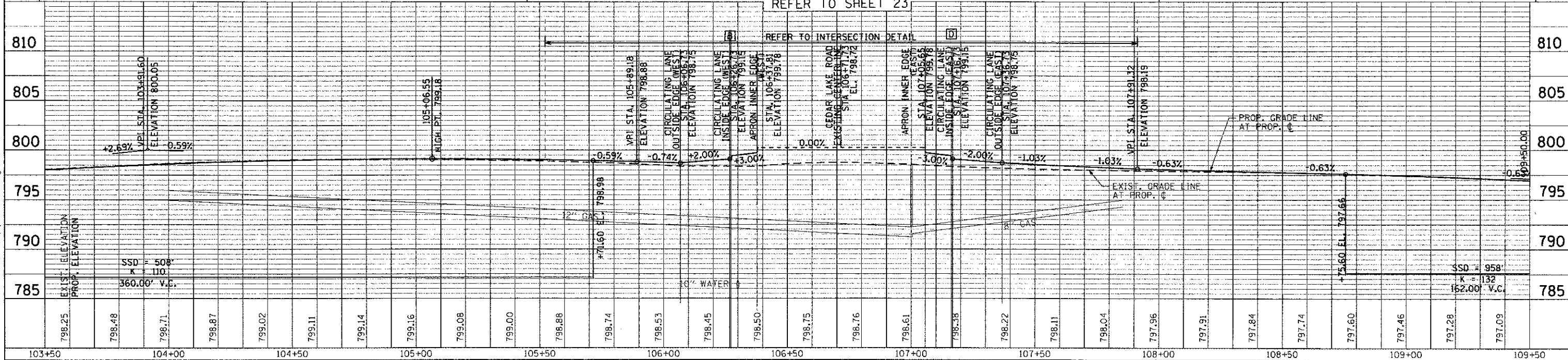
SCALE: 20#5V SHEET NO. 1 OF 5 SHEETS STA. 101+77.24 TO STA. 103+50.00

F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 20
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63682				

- NOTES:
- REFER TO INTERSECTION DETAILS (SHEETS 26 & 27) FOR CIRCULATING LANE, OUTSIDE CURB, AND SPLITTER ISLAND BASELINES AT ROUNDABOUT.
 - REFER TO CONSTRUCTION DETAIL FOR SPLITTER ISLAND LAYOUT AND DETAIL.
 - ALL STATIONS AND OFFSETS ARE BASED ON CENTER LINES ON MONAVILLE ROAD OR CEDAR LAKE ROAD, UNLESS OTHERWISE NOTED.
 - ALL CURB AND GUTTER AT CIRCULATING LANE AND TRUCK APRON SHOULD BE REVERSE PITCHED TO DRAIN AWAY FROM CENTER OF ROUNDABOUT.
 - ALL SIDEWALK RAMPS SHOULD BE BUILT PER IDOT STD. 424001 UNLESS OTHERWISE DETAILED.



- NOTES (CONTINUED):
- REFER TO CONSTRUCTION DETAIL FOR SIDEPATH AND CARRIAGE WALK RAMP DETAILS.
 - THE CONTRACTOR SHALL CONFIRM AND COORDINATE FINAL MAILBOX LOCATIONS WITH THE POST OFFICE PRIOR TO INSTALLATION.
 - UTILITIES SHOWN IN PROFILE VIEW ARE BASED ON UTILITY ATLAS PROVIDED BY UTILITY COMPANIES. CONTRACTOR SHOULD VERIFY DEPTHS PRIOR TO CONSTRUCTION.



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CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 164-000613

USER NAME = Jeff Sedig
DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISIONS
REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

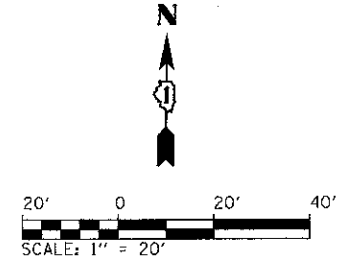
PROPOSED ROADWAY PLAN & PROFILE
MONAVILLE ROAD

SCALE: 20H:5V SHEET NO. 2 OF 5 SHEETS STA. 103+50.00 TO STA. 109+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	21
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				
CONTRACT NO. 63682				

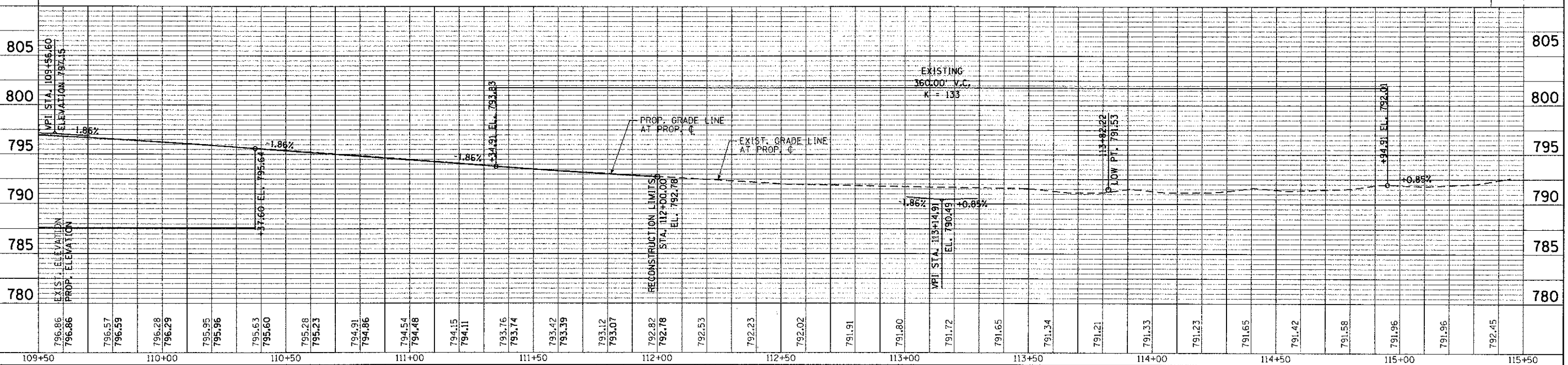
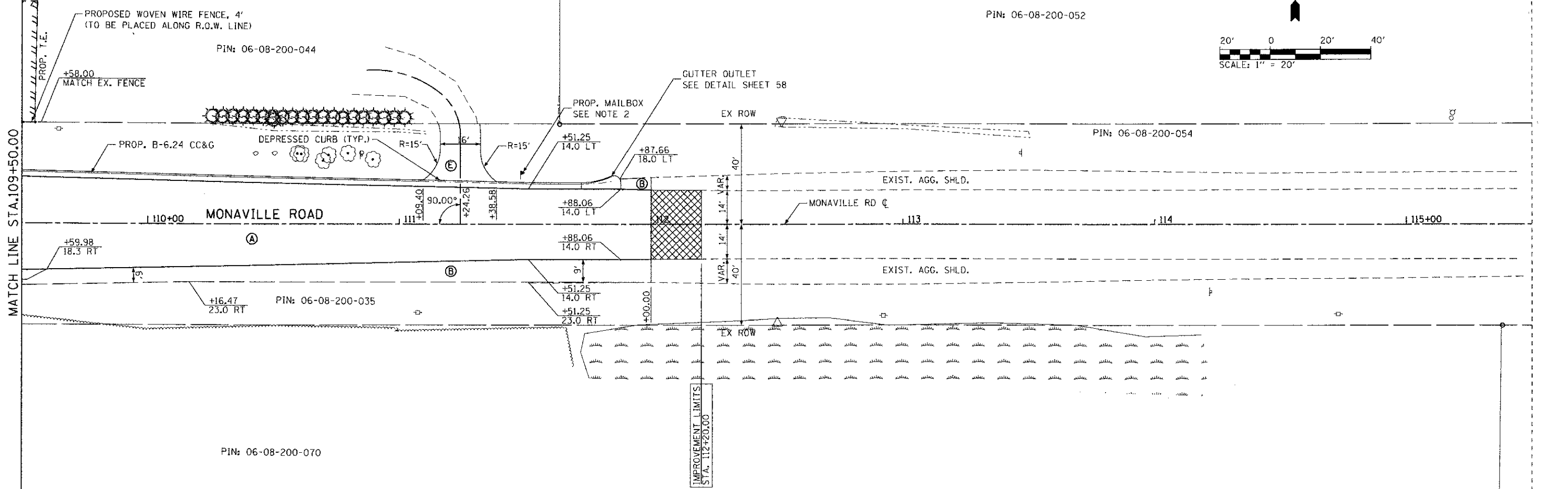
- NOTES:
1. ALL STATIONS AND OFFSETS ARE BASED ON CENTER LINES ON MONAVILLE ROAD OR CEDAR LAKE ROAD, UNLESS OTHERWISE NOTED.
 2. THE CONTRACTOR SHALL CONFIRM AND COORDINATE FINAL MAILBOX LOCATIONS WITH THE POST OFFICE PRIOR TO INSTALLATION.

PIN: 06-08-200-052



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NOTE BOOK NO.	DATE FILED
PLAN	

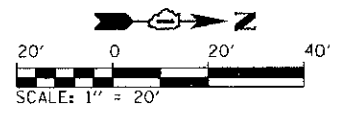
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NOTE BOOK NO.	DATE FILED
PROFILE	



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<p>CMT CRAWFORD, MURPHY & TOLLY, INC. CONSULTING ENGINEERS License No. 04-00063</p>	USER NAME = Jeff Sedig PLOT SCALE = 40.0000' / in. PLOT DATE = 11/12/2012	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED ROADWAY PLAN & PROFILE MONAVILLE ROAD	F.A.U. RTE. 0192 SECTION 06-00153-07-CH COUNTY LAKE TOTAL SHEETS 120 SHEET NO. 22	CONTRACT NO. 63682 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
	SCALE: 20H&V SHEET NO. 3 OF 5 SHEETS STA. 109+50.00 TO STA. 112+00.00						

- NOTES:
- REFER TO SHEETS 26 & 27 FOR CIRCULATING LANE, OUTSIDE CURB, AND SPLITTER ISLAND BASELINES AT ROUNDABOUT.
 - REFER TO CONSTRUCTION DETAIL FOR SPLITTER ISLAND LAYOUT AND DETAIL
 - ALL STATIONS AND OFFSETS ARE BASED ON CENTER LINES ON MONAVILLE ROAD OR CEDAR LAKE ROAD, UNLESS OTHERWISE NOTED
 - ALL SIDEWALK RAMPS SHOULD BE BUILT PER IDOT STD. 424001 UNLESS OTHERWISE DETAILED.
 - REFER TO CONSTRUCTION DETAIL FOR SIDEPATH AND CARRIAGE WALK RAMP DETAILS.
 - IF THE EXISTING AGGREGATE BASE IS DEEMED ACCEPTABLE BY THE ENGINEER IT SHOULD REMAIN IN PLACE. IF THE EXISTING BASE IS NOT ACCEPTABLE, THEN REPLACE AS SHOWN IN THE PLANS.

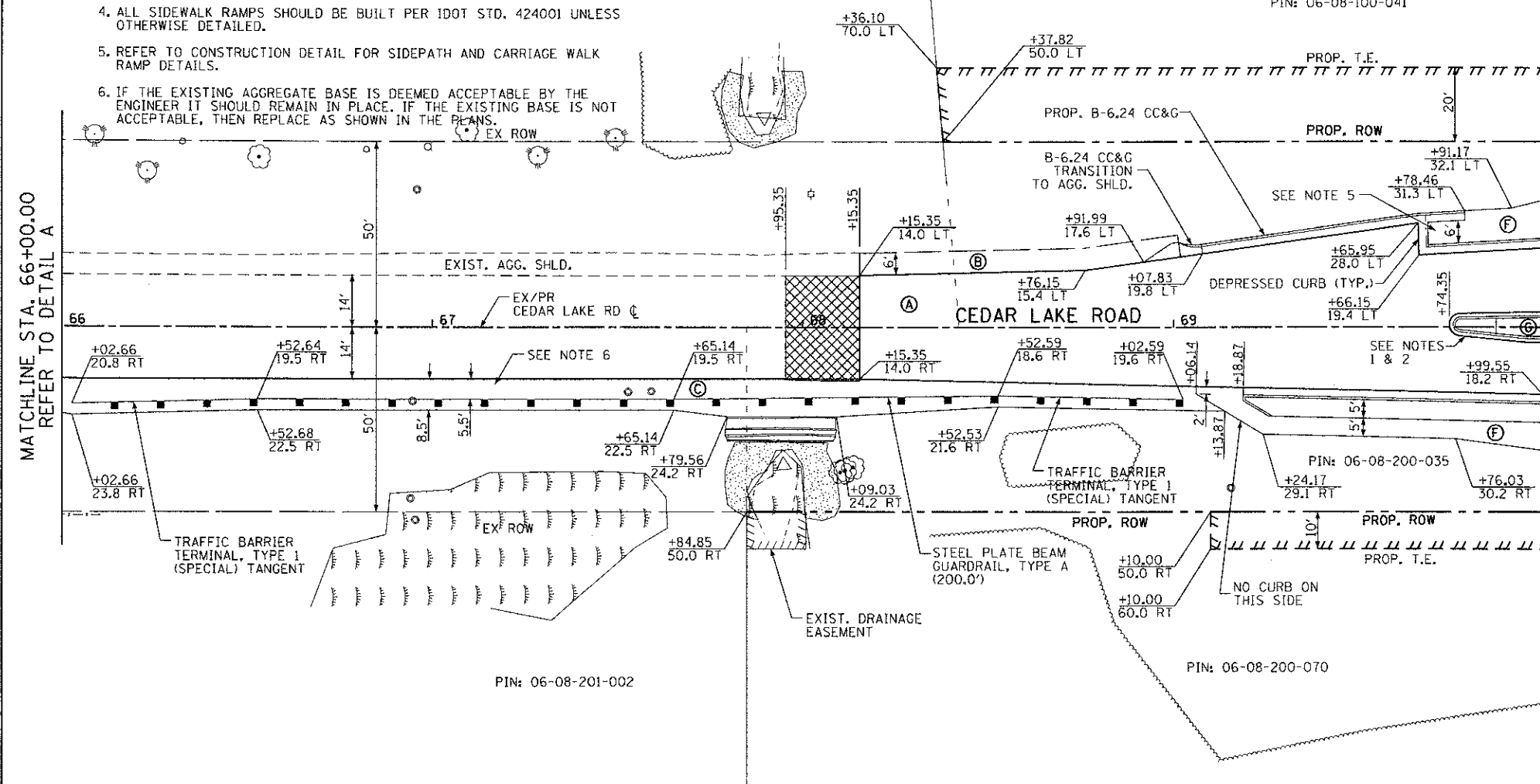


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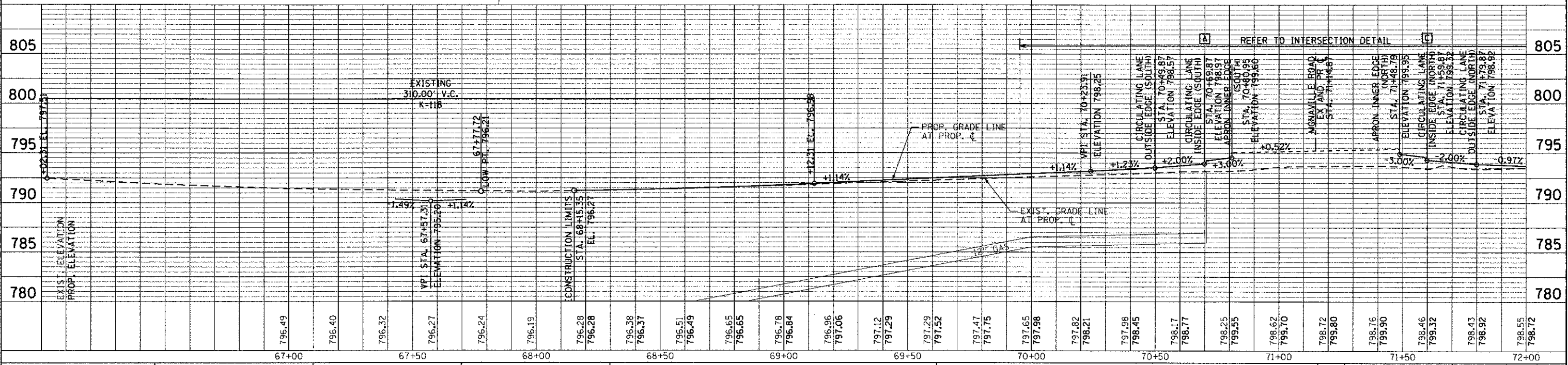
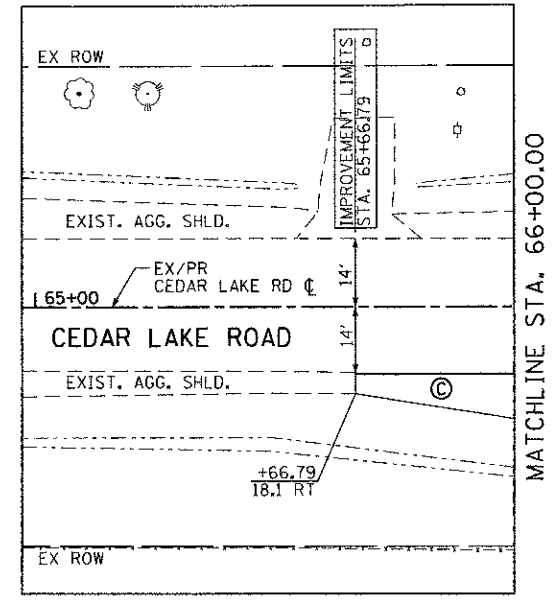
PIN: 06-08-100-041

PIN: 06-08-201-002

PIN: 06-08-200-070



DETAIL A



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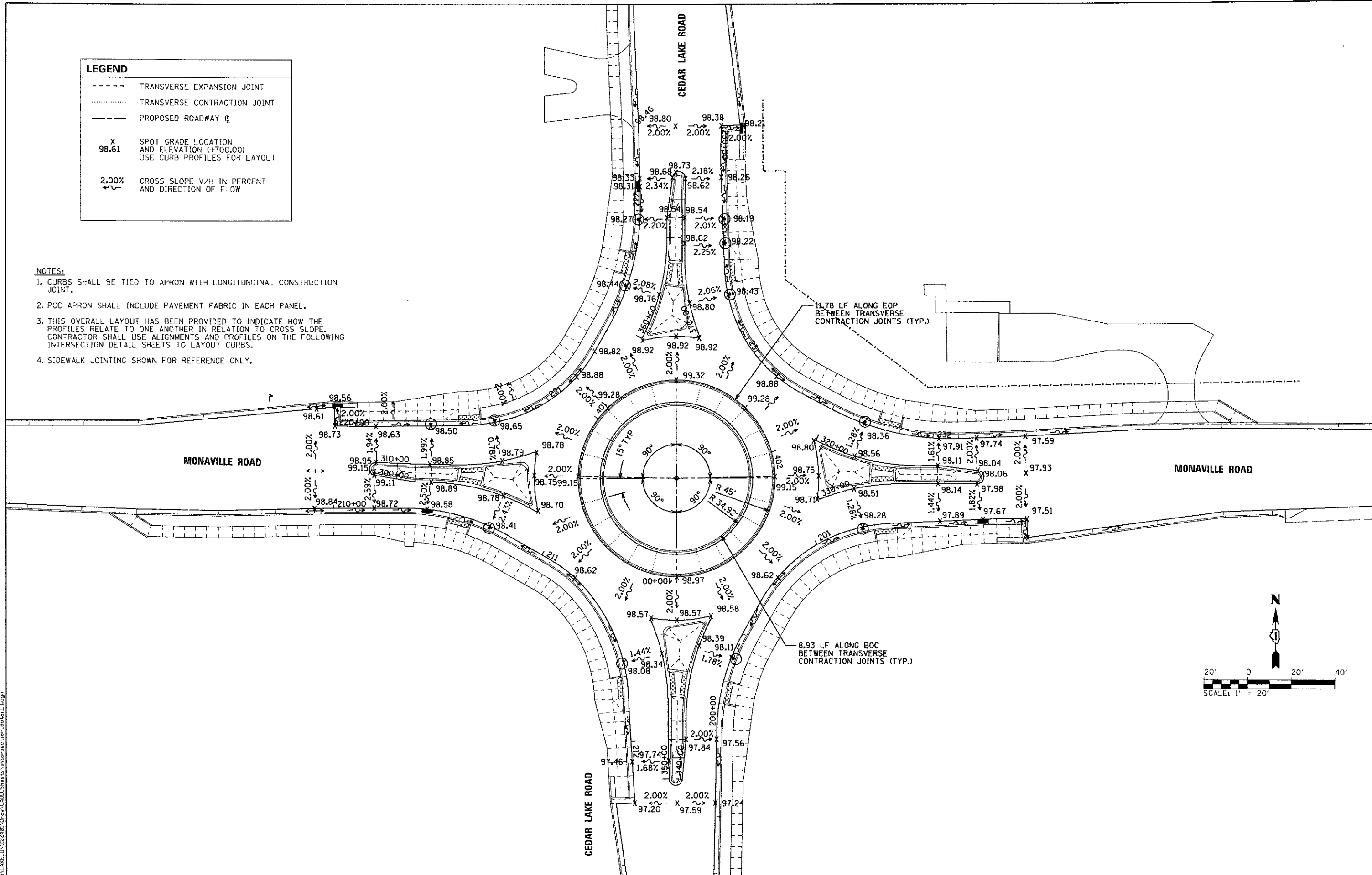
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<p>CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-00063</p>	USER NAME = Jeff Sedig DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">PROPOSED ROADWAY PLAN & PROFILE CEDAR LAKE ROAD</p>	F.A.U. R.T.E. 0192 SECTION 06-00153-07-CH COUNTY LAKE TOTAL SHEETS 120 SHEET NO. 23 CONTRACT NO. 63682
	PLOT SCALE = 40.00000 / / in. PLOT DATE = 11/12/2012	SCALE: 20H:5V SHEET NO. 4 OF 5 SHEETS STA. 68+15.35 TO STA. 70+00.00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

LEGEND	
---	TRANSVERSE EXPANSION JOINT
.....	TRANSVERSE CONTRACTION JOINT
---	PROPOSED ROADWAY ϕ
X 98.61	SPOT GRADE LOCATION AND ELEVATION (+700.00) USE CURB PROFILES FOR LAYOUT
2.00% ↔	CROSS SLOPE V/H IN PERCENT AND DIRECTION OF FLOW

NOTES:

1. CURBS SHALL BE TIED TO APRON WITH LONGITUDINAL CONSTRUCTION JOINT.
2. PCC APRON SHALL INCLUDE PAVEMENT FABRIC IN EACH PANEL.
3. THIS OVERALL LAYOUT HAS BEEN PROVIDED TO INDICATE HOW THE PROFILES RELATE TO ONE ANOTHER IN RELATION TO CROSS SLOPE. CONTRACTOR SHALL USE ALIGNMENTS AND PROFILES ON THE FOLLOWING INTERSECTION DETAIL SHEETS TO LAYOUT CURBS.
4. SIDEWALK JOINTING SHOWN FOR REFERENCE ONLY.



FILE NAME = L:\LAKECO\1122491\00-em\CRDD_Sheets\Intersection_detail.dgn



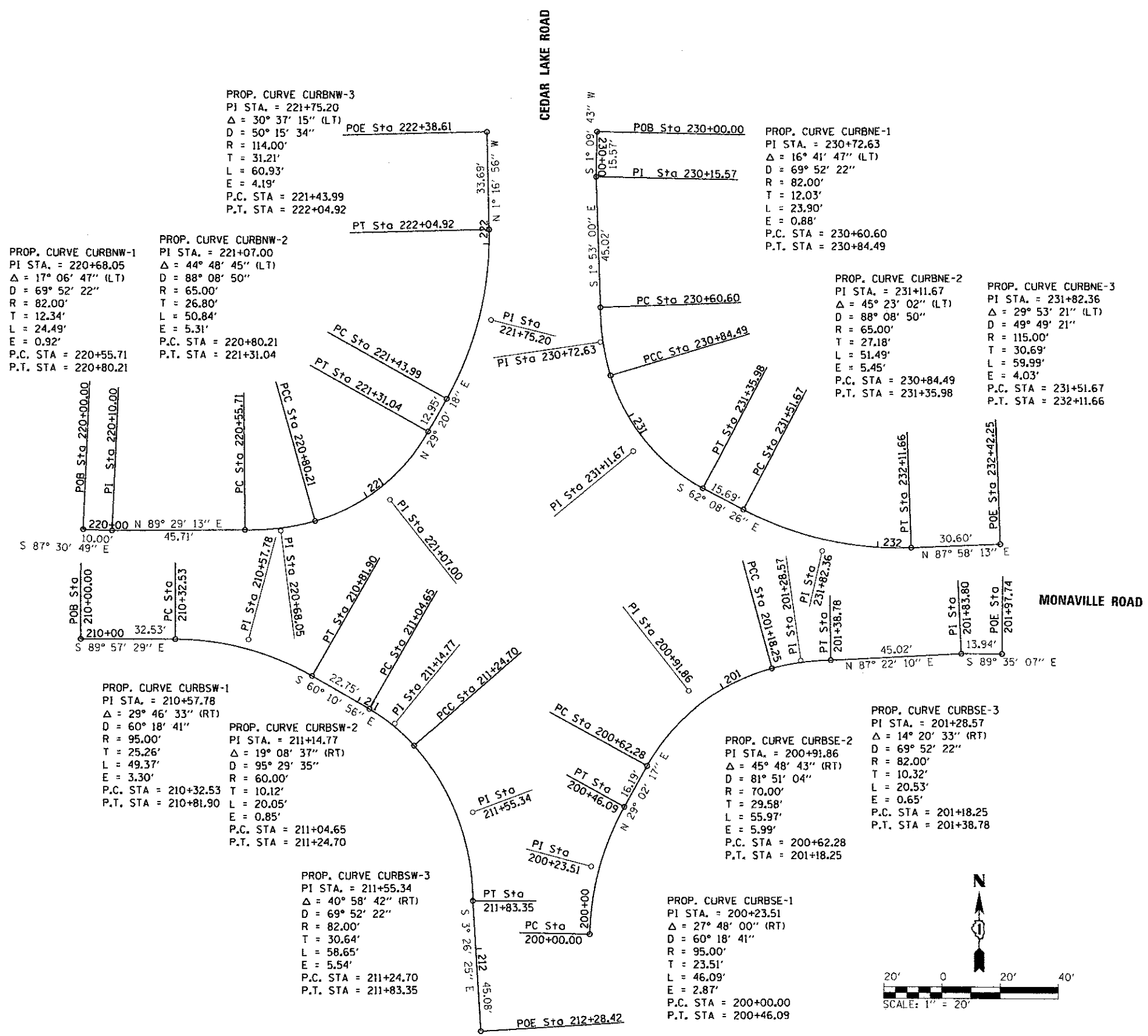
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PLOT SCALE = 48.0000 1/1 in.	DRAWN - MNB	REVISED -
PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
OVERALL LAYOUT AND APRON JOINTING

SCALE: 1"=20' SHEET NO. 1 OF 6 SHEETS STA. - TO STA. -

F.A.U. RIE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	25
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63682	



BASELINE PLAN VIEW AND CURVE DATA

BASELINE COORDINATE DATA				
BASELINE	POINT	STATION	NORTHING	EASTING
CURB RETURN SOUTHEAST QUADRANT	P.C. STATION	200+00.00	2,087,593.3575	1,049,424.6095
	P.I. STATION	200+23.51	2,087,616.8621	1,049,425.1175
	P.T. STATION	200+46.09	2,087,637.4168	1,049,436.5291
	P.C. STATION	200+62.28	2,087,651.5699	1,049,444.3866
	P.I. STATION	200+91.86	2,087,677.4297	1,049,458.7434
	P.C.C. STATION	201+18.25	2,087,685.1597	1,049,487.2932
	P.I. STATION	201+28.57	2,087,687.8560	1,049,497.2518
	P.T. STATION	201+38.78	2,087,688.0014	1,049,507.5679
	P.I. STATION	201+83.80	2,087,690.0678	1,049,552.5400
	P.O.E. STATION	201+97.74	2,087,689.9669	1,049,566.4700
CURB RETURN SOUTHWEST QUADRANT	P.O.B. STATION	210+00.00	2,087,695.2416	1,049,249.3291
	P.C. STATION	210+32.53	2,087,695.2177	1,049,281.8579
	P.I. STATION	210+57.78	2,087,695.1992	1,049,307.1139
	P.T. STATION	210+81.90	2,087,682.6408	1,049,329.0263
	P.C. STATION	211+04.65	2,087,671.3270	1,049,348.7671
	P.I. STATION	211+14.77	2,087,666.2959	1,049,357.5455
	P.C.C. STATION	211+24.70	2,087,658.6643	1,049,364.1886
	P.I. STATION	211+55.34	2,087,635.5529	1,049,384.3063
	P.T. STATION	211+83.35	2,087,604.9120	1,049,384.3385
	P.O.E. STATION	212+28.42	1,049,387.0437	2,087,559.9148
CURB RETURN NORTHWEST QUADRANT	P.O.B. STATION	220+00.00	2,087,732.9829	1,049,250.1620
	P.I. STATION	220+10.00	2,087,732.5490	1,049,260.1548
	P.C. STATION	220+55.71	2,087,732.9583	1,049,305.8640
	P.I. STATION	220+68.05	2,087,732.6861	1,049,318.1988
	P.C.C. STATION	220+80.21	2,087,736.0556	1,049,330.0675
	P.I. STATION	221+07.00	2,087,743.3746	1,049,355.8482
	P.T. STATION	221+31.04	2,087,766.7367	1,049,368.9790
	P.C. STATION	221+43.99	2,087,778.0237	1,049,375.3230
	P.I. STATION	221+75.20	2,087,805.2300	1,049,390.6144
	P.T. STATION	222+04.92	2,087,836.4312	1,049,389.9160
P.O.E. STATION	222+38.61	2,087,870.1116	1,049,389.1620	
CURB RETURN NORTHEAST QUADRANT	P.O.B. STATION	230+00.00	2,087,870.2052	1,049,427.1196
	P.I. STATION	230+15.57	2,087,854.6351	1,049,426.8038
	P.C. STATION	230+60.60	2,087,809.6367	1,049,428.2834
	P.I. STATION	230+72.63	2,087,797.6037	1,049,428.2960
	P.C.C. STATION	230+84.49	2,087,786.0817	1,049,431.7652
	P.I. STATION	231+11.67	2,087,760.0564	1,049,439.6012
	P.T. STATION	231+35.98	2,087,747.3554	1,049,463.6304
	P.C. STATION	231+51.67	2,087,740.0234	1,049,477.5017
	P.I. STATION	231+82.36	2,087,725.6795	1,049,504.6390
	P.T. STATION	232+11.66	2,087,726.7667	1,049,535.3147
P.O.E. STATION	232+42.25	2,087,727.8503	1,049,565.8912	

NOTES:
1. ALIGNMENTS FOR CURB RETURN LOCATED AT EDGE OF PAVEMENT.

FILE NAME: I:\N\AKC\1124\1\Draw\UGRD_Sheets\Intersection.dwg, 12.dwg



USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - MNB	REVISED -
PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

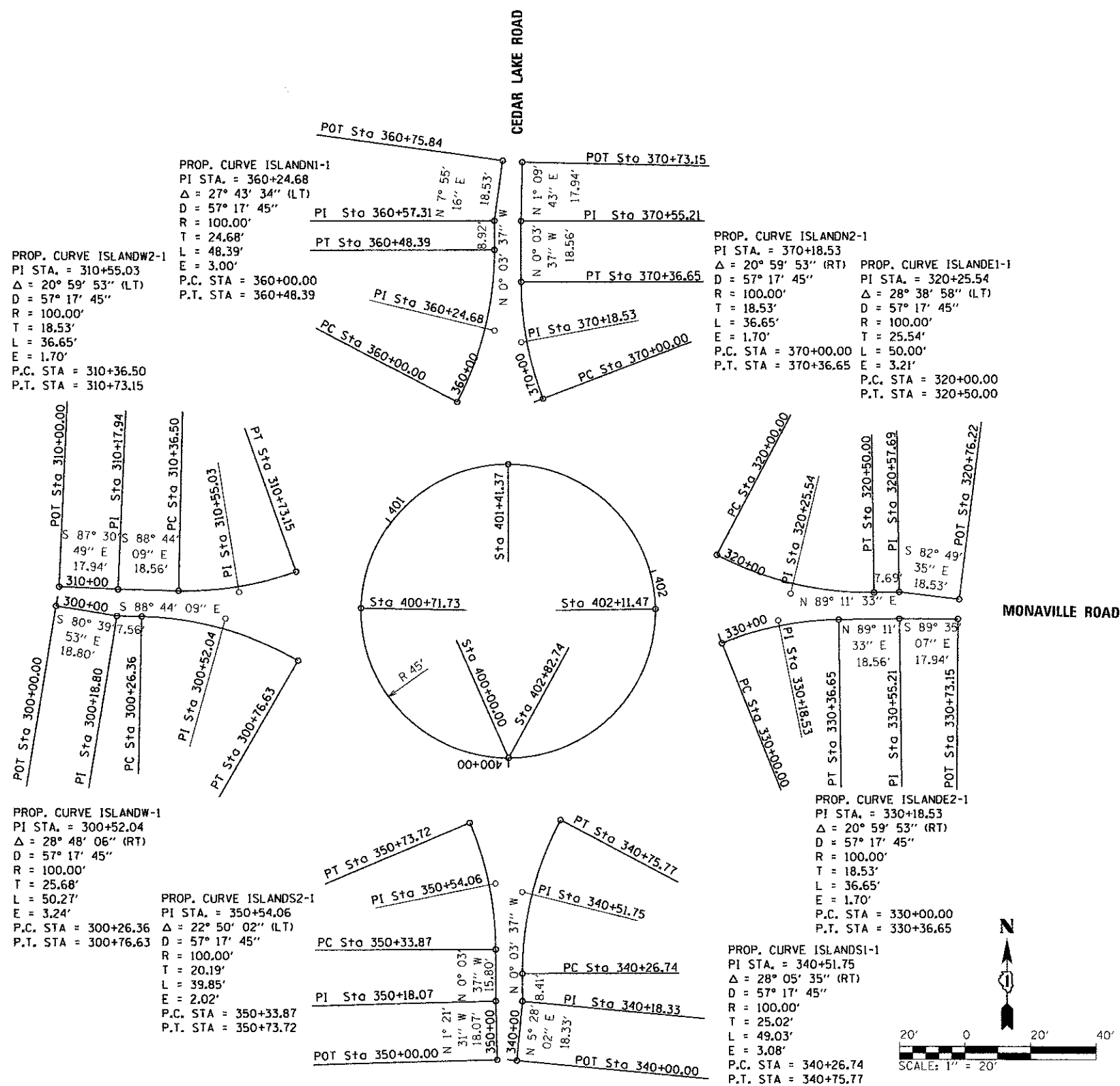
INTERSECTION DETAILS
CURB RETURN BASELINES

SCALE: 1"=20'

SHEET NO. 2 OF 6 SHEETS

STA. - TO STA. -

P.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 26
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



BASELINE PLAN VIEW AND CURVE DATA

BASELINE COORDINATE DATA				
BASELINE	POINT	STATION	NORTHING	EASTING
SPLITTER ISLAND WEST LEG - 1 ENTRY EOP	P.O.T. STATION	300+00.00	2,087,710.2672	1,049,268.0391
	P.I. STATION	300+18.80	2,087,707.2172	1,049,286.5926
	P.C. STATION	300+26.36	2,087,707.0504	1,049,294.1520
	P.T. STATION	300+52.04	2,087,706.4839	1,049,319.8229
SPLITTER ISLAND WEST LEG - 2 EXIT EOP	P.O.T. STATION	310+00.00	2,087,716.1504	1,049,268.9882
	P.I. STATION	310+17.94	2,087,715.3722	1,049,286.9115
	P.C. STATION	310+36.50	2,087,714.9627	1,049,305.4669
	P.T. STATION	310+73.15	2,087,720.8113	1,049,341.4384
SPLITTER ISLAND EAST LEG - 1 ENTRY EOP	P.C. STATION	320+00.00	2,087,725.8790	1,049,470.0228
	P.I. STATION	320+25.54	2,087,713.9531	1,049,492.6024
	P.T. STATION	320+50.00	2,087,714.3130	1,049,518.1354
	P.O.T. STATION	320+76.22	2,087,712.1078	1,049,544.2710
SPLITTER ISLAND EAST LEG - 2 EXIT EOP	P.C. STATION	330+00.00	2,087,698.8545	1,049,471.5776
	P.I. STATION	330+18.53	2,087,705.7384	1,049,488.7838
	P.T. STATION	330+36.65	2,087,705.9996	1,049,507.3142
	P.O.T. STATION	330+73.15	2,087,706.1314	1,049,543.8108
SPLITTER ISLAND SOUTH LEG - 1 ENTRY EOP	P.O.T. STATION	340+00.00	2,087,570.8527	1,049,408.7692
	P.I. STATION	340+18.33	2,087,589.0953	1,049,410.5152
	P.C. STATION	340+26.74	2,087,597.5047	1,049,410.5063
	P.T. STATION	340+51.75	2,087,622.5236	1,049,410.4800
SPLITTER ISLAND SOUTH LEG - 2 EXIT EOP	P.O.T. STATION	350+00.00	2,087,571.0674	1,049,402.7836
	P.I. STATION	350+18.07	2,087,589.1350	1,049,402.3551
	P.C. STATION	350+33.87	2,087,604.9309	1,049,402.3385
	P.T. STATION	350+73.72	2,087,643.7286	1,049,394.4612
SPLITTER ISLAND NORTH LEG - 1 ENTRY EOP	P.C. STATION	360+00.00	2,087,772.7791	1,049,390.6804
	P.I. STATION	360+24.68	2,087,794.6366	1,049,402.1392
	P.T. STATION	360+48.39	2,087,819.3155	1,049,402.1132
	P.O.T. STATION	360+75.84	2,087,846.5884	1,049,404.6569
SPLITTER ISLAND NORTH LEG - 2 EXIT EOP	P.C. STATION	370+00.00	2,087,773.7910	1,049,416.9618
	P.I. STATION	370+18.53	2,087,791.0856	1,049,410.3029
	P.T. STATION	370+36.65	2,087,809.6178	1,049,410.2834
	P.O.T. STATION	370+73.15	2,087,828.1777	1,049,410.2639
CENTER ISLAND/ CIRCULATING LANE AT EOP	P.C. STATION	400+00.00	2,087,663.6564	1,049,406.3568
	P.C.C. STATION	400+71.73	2,087,709.6491	1,049,361.3205
	P.C.C. STATION	401+41.37	2,087,753.6563	1,049,406.2622
	P.T. STATION	402+82.74	2,087,709.2906	1,049,451.3050

NOTES:

- ALIGNMENTS FOR SPLITTER ISLANDS LOCATED AT EDGE OF PAVEMENT ALONG SPLITTER ISLAND CURB.
- ALIGNMENTS FOR CIRCULATING LINE LOCATED AT EDGE OF PAVEMENT ALONG CIRCULATING LANE CURB BETWEEN CIRCULATING LANE AND TRUCK APRON.

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PLT SCALE = 48,0000 / 1in.	DRAWN - MNB	REVISED -
PLT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

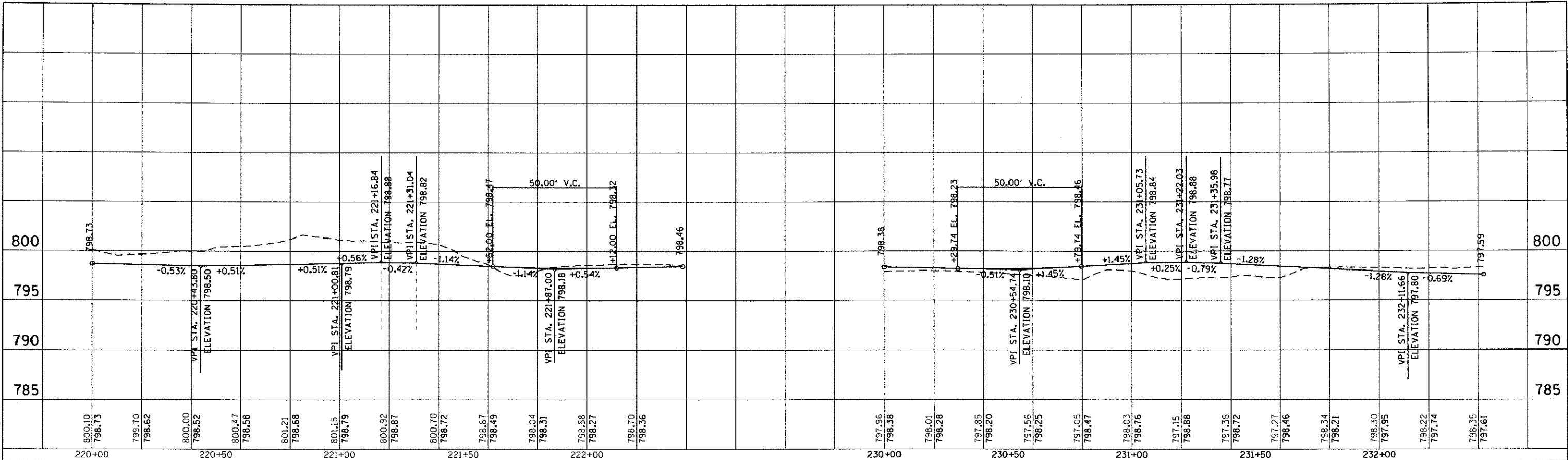
INTERSECTION DETAILS
SPLITTER ISLAND AND CIRCULATING LANE BASELINES

F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 27
CONTRACT NO. 63682			ILLINOIS FED. AID PROJECT	

SCALE: 1"=20' SHEET NO. 3 OF 6 SHEETS STA. - TO STA. -

PLAN	REVISIONS	BY	DATE
NO. BOOK	PLOTTED		
NO. CHECKED	ALIGNED		
NO. FILE NAME	CARD FILE NAME		

PROFILE	REVISIONS	BY	DATE
NOTE BOOK	GRADES CHECKED		
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	CARD FILE NAME		

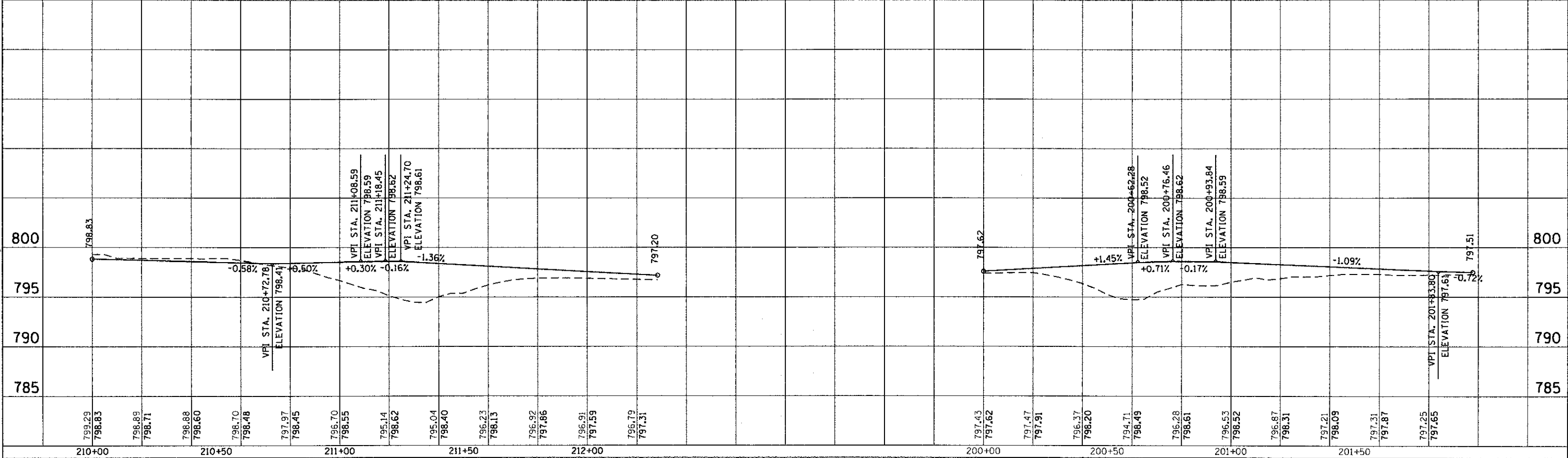


NORTHWEST CURB

NORTHEAST CURB

SOUTHWEST CURB

SOUTHEAST CURB



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PLLOT SCALE = 48.0000' / IN.	DRAWN - MNB	REVISED -
PLLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
PROFILES - OUTSIDE CURB

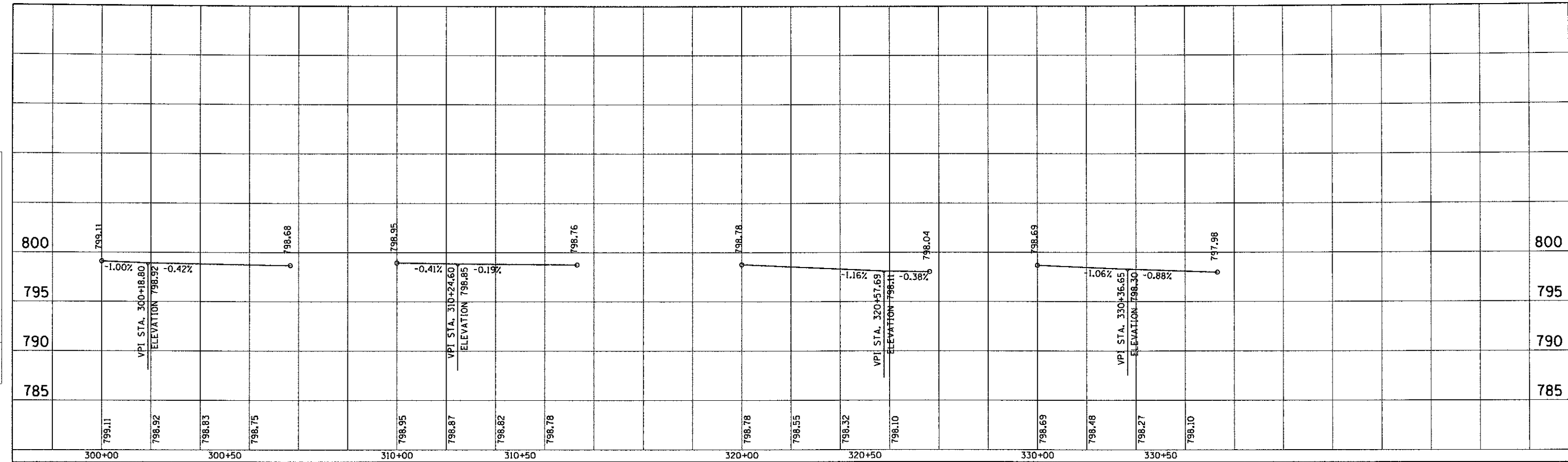
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	28
CONTRACT NO. 63682				
ILLINOIS FED. AID PROJECT				

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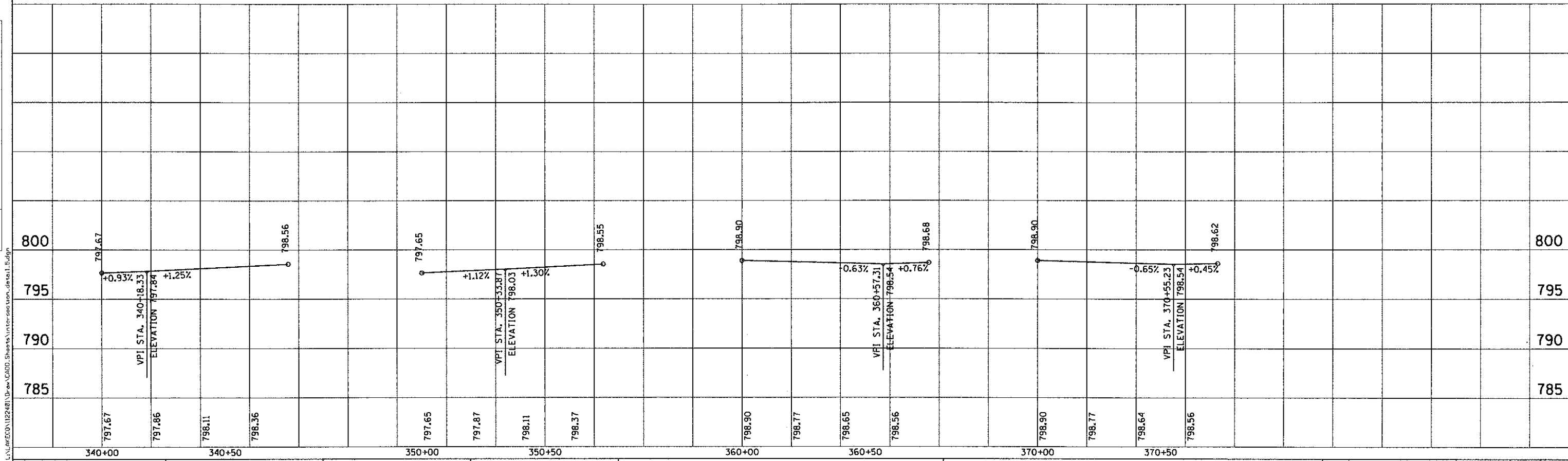
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	ROAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE NOTATIONS CHECKED		



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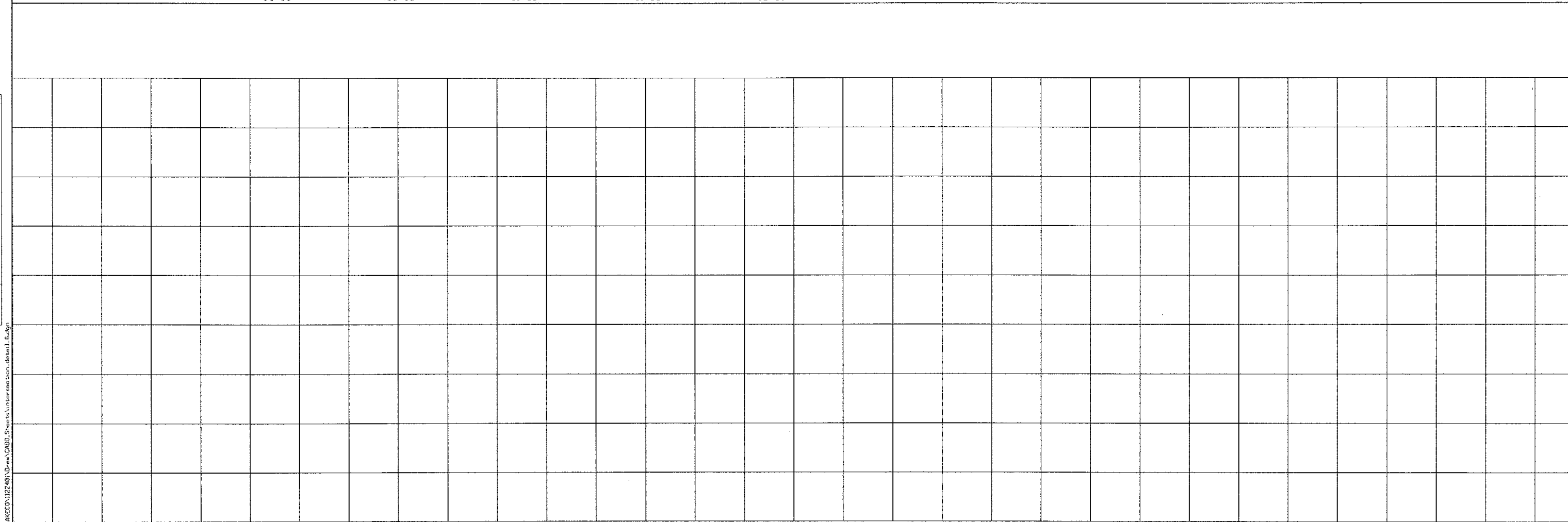
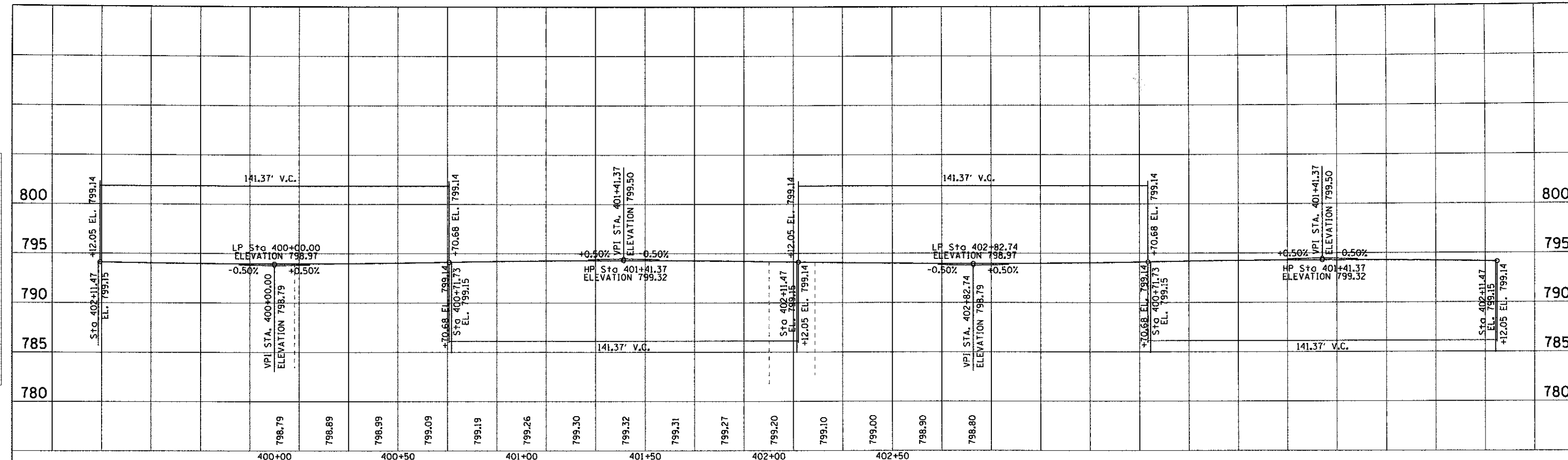
SOUTH SPLITTER ISLAND ENTRY SOUTH SPLITTER ISLAND EXIT NORTH SPLITTER ISLAND ENTRY NORTH SPLITTER ISLAND EXIT



CMT CRAWFORD, MURPHY & TULLY, INC. CONSULTING ENGINEERS License No. 04-00063	USER NAME = Jeff Sedig PLOT SCALE = 48.0000' / 1" = PLOT DATE = 11/12/2012	DESIGNED - MNB DRAWN - MNB CHECKED - CMC DATE - 10/22/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION DETAILS PROFILES - SPLITTER ISLANDS	F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 29	CONTRACT NO. 63682
	SCALE: 20H:5V SHEET NO. 5 OF 6 SHEETS STA. - TO STA. -	ILLINOIS FED. AID PROJECT									

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	BY		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	CHECKED		
	BY		
	FILE NAME		



CMT CRAWFORD, MURPHY & TOLLY, INC. CONSULTING ENGINEERS License No. 04-00063	USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION DETAILS PROFILE - CIRCULATING LANE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / 1" =	DRAWN - MNB	REVISED -		0192	06-00153-07-CH	LAKE	120	30			
	PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -		CONTRACT NO. 63682							
		DATE - 10/22/2012	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: 20H:5V	SHEET NO. 6 OF 6 SHEETS			STA. 400+00.00 TO STA. 402+82.74				

DRAINAGE GENERAL NOTES

1. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING, OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE COST TO MAINTAIN POSITIVE DRAINAGE SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
2. DURING CONSTRUCTION OPERATIONS, WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.
3. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROJECT.
4. THE COST OF CONNECTING EXISTING STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM AND CONNECTING PROPOSED STORM SEWER TO EXISTING STRUCTURES SHALL BE INCLUDED WITH THE ASSOCIATED PAY ITEMS, HOWEVER, THE NECESSARY PIPE USED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STORM SEWER" OF THE SIZE REQUIRED.

5. ANY OF THESE MATERIALS CONSIDERED SUITABLE FOR SALVAGE BY THE ENGINEER SHALL BE STORED WITHIN THE RIGHT-OF-WAY FOR LATER REMOVAL BY THE LAKE COUNTY DIVISION OF TRANSPORTATION. UNUSABLE MATERIALS SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH SECTION 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

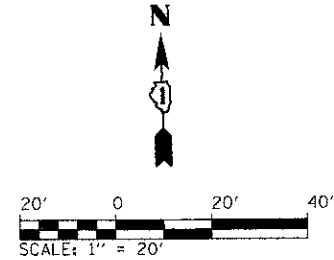
6. LOCATIONS WHERE THE PROPOSED STORM SEWER RESULTS IN LESS THAN 6 INCHES CLEARANCE OVER EXISTING UTILITIES, THE CONTRACTOR SHALL INSTALL A STYROFOAM CUSHION UNDER THE STORM SEWER, AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE MADE AND THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER PIPE.

7. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

8. ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER TILE FACILITY ENCOUNTERED IN THE WORK SHALL BE LOCATED, STAKED AND REPORTED TO THE ENGINEER. DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATING OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT. IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED STORM SEWER SYSTEM IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED. THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.

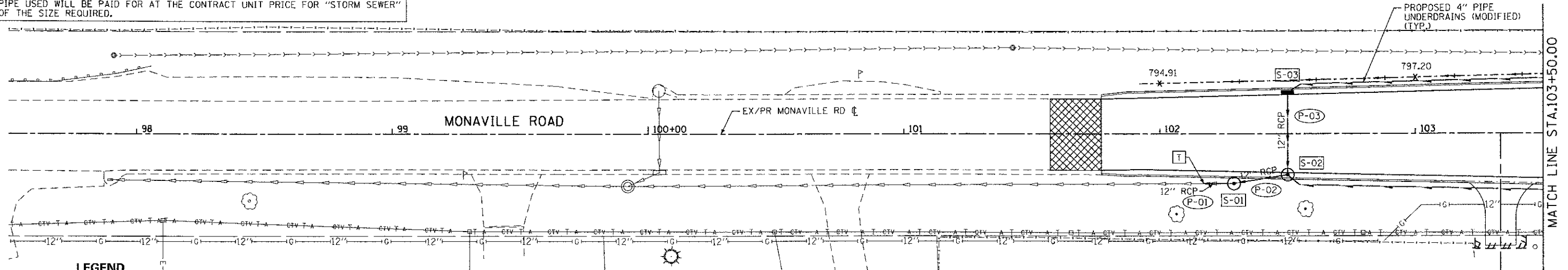
9. CONTRACTOR SHALL TIE-IN PROPOSED STRUCTURES TO EXISTING DRAINAGE PIPES IN LOCATIONS SHOWN IN DRAINAGE PLANS. ONE LENGTH OF PROPOSED PIPE SHALL BE USED TO CONNECT TO THE CLOSEST JOINT OF EXISTING STORM SEWER PIPE. PROPOSED PIPE LOCATION AND APPROXIMATE LENGTH OF PIPE HAVE BEEN INCLUDED IN THE PROJECT QUANTITIES. CONTRACTOR SHALL ONLY BE PAID FOR ACTUAL LENGTH OF PIPE INSTALLED.

10. REFER TO SHEET 36 FOR DRAINAGE STRUCTURE AND PIPE SCHEDULES.

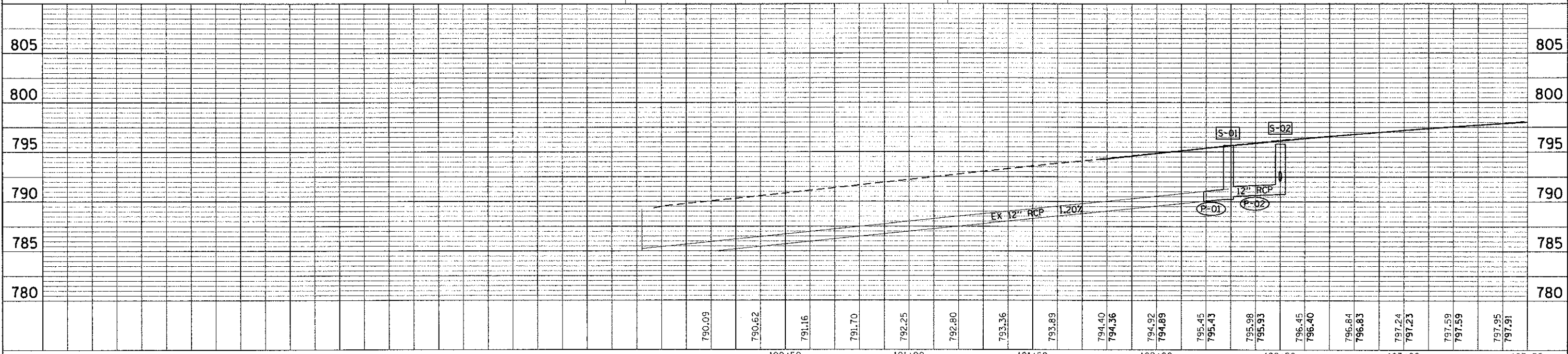


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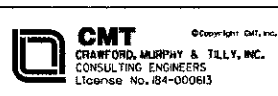
DATE	BY



LEGEND	
	EXISTING SANITARY SEWER
	EXISTING WATERMAIN
	EXISTING STORM SEWER
	EXISTING ELECTRICAL
	EXISTING CABLE TELEVISION
	EXISTING GAS LINE
	EXISTING AERIAL ELECTRICAL
	EXISTING STORM SEWER INLET
	EXISTING MANHOLE
	EXISTING CATCH BASIN
	PROPOSED STORM SEWER
	PROPOSED DITCHLINE
	PROPOSED SWALE
	PROPOSED UNDERDRAIN
	PROPOSED STORM SEWER STRUCTURE
	PROPOSED STORM SEWER PIPE
	PROPOSED STORM SEWER MANHOLE
	PROPOSED STORM SEWER CATCH BASIN
	PROPOSED STORM SEWER INLET
	TIE-IN TO STRUCTURE/PIPE



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PLOT DATE = 11/12/2012	CHECKED -	REVISOR -
	DATE -	

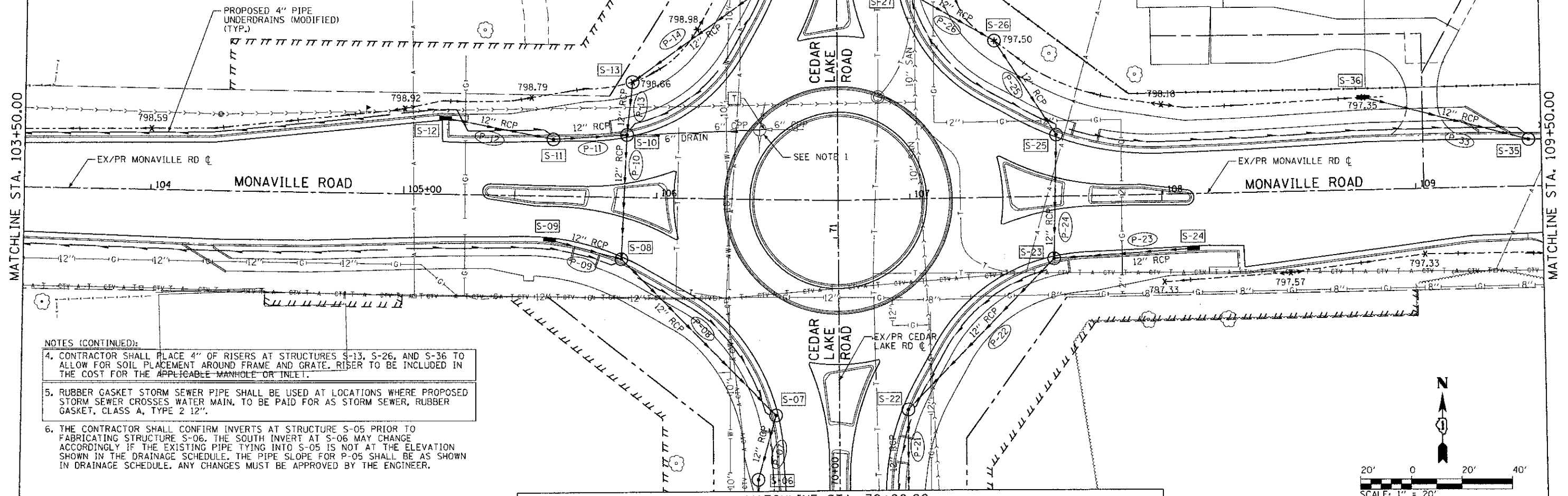
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 20H:5V		SHEET NO. 1 OF 5 SHEETS		STA. 101+77.24 TO STA. 103+50.00	
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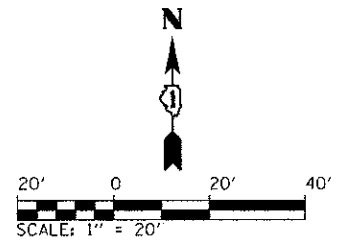
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0192	06-00153-07-CH	LAKE	120	31
CONTRACT NO. 63682				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

- NOTES:
- CONNECT/EXTEND BOTH EXISTING 6" UNDERDRAIN PIPES TO STRUCTURE S-10. WORK TO BE PAID FOR AS PIPE UNDERDRAINS 6" (FOOT).
 - EXPOSE EXISTING GAS LINES AT LOCATIONS WHERE THEY CROSS PROPOSED STORM SEWER, PRIOR TO INSTALLING STORM SEWER PIPE. WORK TO BE PAID FOR AS EXPLORATION TRENCH 52" (FOOT).
 - STRUCTURE NO. 22 IS A 5' CATCH BASIN IN ORDER TO PROVIDE SPACE BETWEEN THE STORM SEWER AND PROPOSED LIGHT POLE AT STA. 69+87, 23.5' RT. STRUCTURE NO. 22 AND PROPOSED STORM SEWER SHALL BE INSTALLED SO THERE IS A MINIMUM OF 0.5' BETWEEN THE EDGE OF THE LIGHTING FOUNDATION AND OUTSIDE OF PIPE.

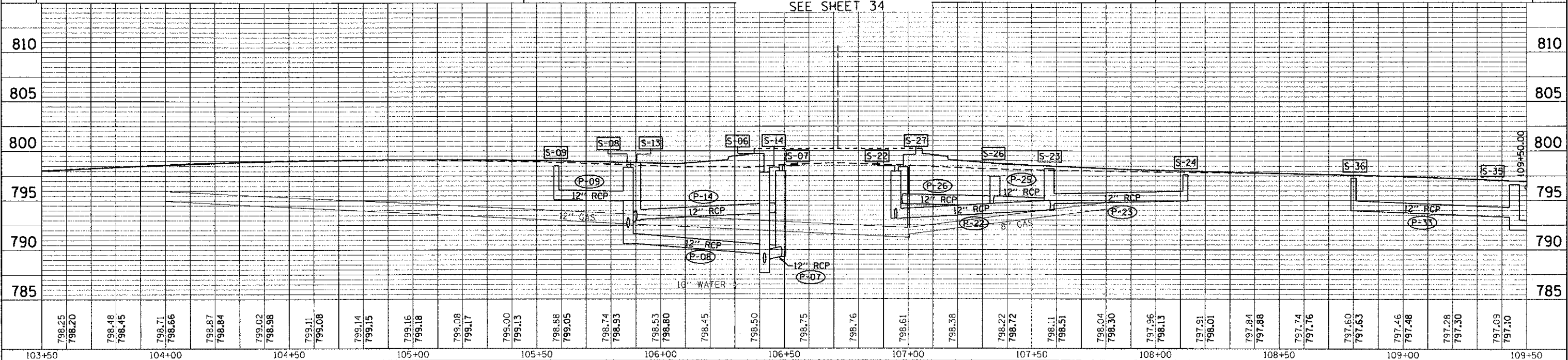
SEE SHEET 35
MATCHLINE STA. 72+00.00



- NOTES (CONTINUED):
- CONTRACTOR SHALL PLACE 4" OF RISERS AT STRUCTURES S-13, S-26, AND S-36 TO ALLOW FOR SOIL PLACEMENT AROUND FRAME AND GRATE. RISER TO BE INCLUDED IN THE COST FOR THE APPLICABLE MANHOLE OR INLET.
 - RUBBER GASKET STORM SEWER PIPE SHALL BE USED AT LOCATIONS WHERE PROPOSED STORM SEWER CROSSES WATER MAIN. TO BE PAID FOR AS STORM SEWER, RUBBER GASKET, CLASS A, TYPE 2 12".
 - THE CONTRACTOR SHALL CONFIRM INVERTS AT STRUCTURE S-05 PRIOR TO FABRICATING STRUCTURE S-06. THE SOUTH INVERT AT S-06 MAY CHANGE ACCORDINGLY IF THE EXISTING PIPE TYING INTO S-05 IS NOT AT THE ELEVATION SHOWN IN THE DRAINAGE SCHEDULE. THE PIPE SLOPE FOR P-05 SHALL BE AS SHOWN IN DRAINAGE SCHEDULE. ANY CHANGES MUST BE APPROVED BY THE ENGINEER.



MATCHLINE STA. 70+00.00
SEE SHEET 34



798.25	798.20	798.48	798.45	798.71	798.66	798.87	798.84	799.02	798.98	799.11	799.08	799.14	799.15	799.16	799.18	799.08	799.17	799.00	799.13	798.88	799.05	798.74	798.93	798.53	798.80	798.45	798.50	798.75	798.76	798.61	798.38	798.22	798.72	798.11	798.51	798.04	798.30	797.96	798.13	797.91	798.01	797.84	797.88	797.74	797.76	797.60	797.63	797.46	797.48	797.28	797.30	797.09	797.10
103+50	104+00	104+50	105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50	USER NAME = Jeff Sedig		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PROPOSED DRAINAGE PLAN & PROFILE		F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 32	CONTRACT NO. 63682																											
CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613													PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -	SCALE: 20H:5V		SHEET NO. 2 OF 5 SHEETS	STA. 103+50.00 TO STA. 109+50.00	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT																														

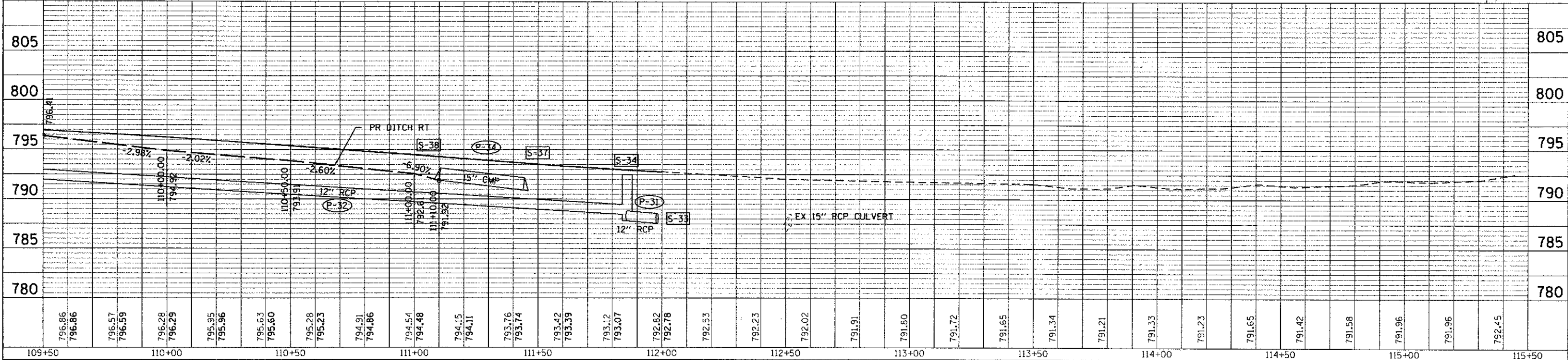
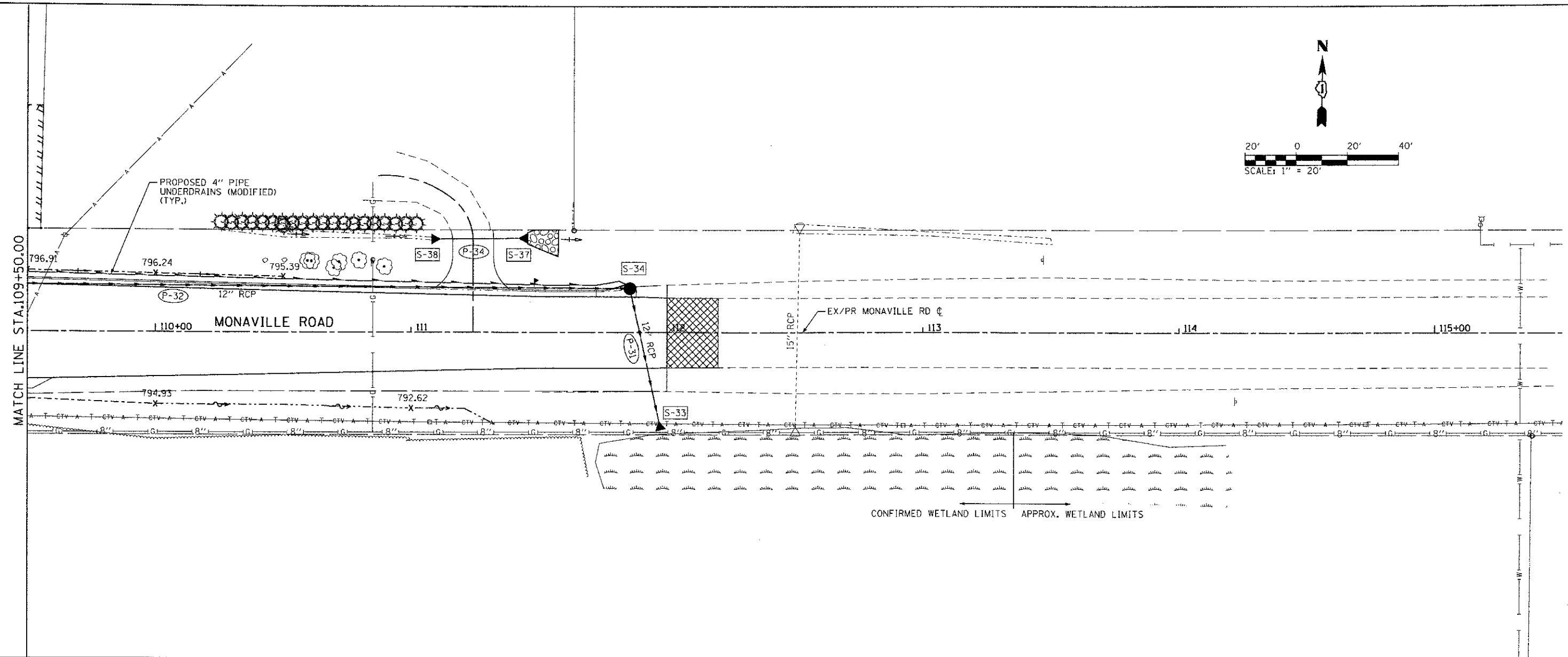
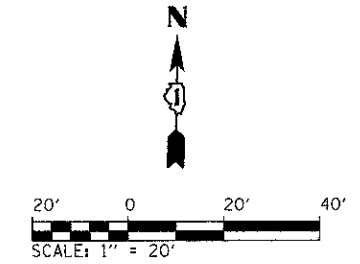
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NOTE BOOK	
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109+50	110+00	110+50	111+00	111+50	112+00	112+50	113+00	113+50	114+00	114+50	115+00	115+50																	

CMT
CRAWFORD, MURPHY & TELY, INC.
CONSULTING ENGINEERS
License No. 84-00063

USER NAME = Jeff Sedig	DESIGNED -	REVISED -
PLOT SCALE = 48,000 / 1" = 480'	DRAWN -	REVISED -
PLOT DATE = 11/12/2012	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

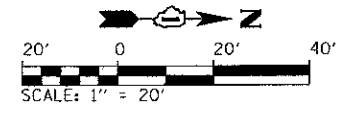
PROPOSED DRAINAGE PLAN & PROFILE

SCALE: 20H:5V SHEET NO. 3 OF 5 SHEETS STA. 109+50.00 TO STA. 112+00.00

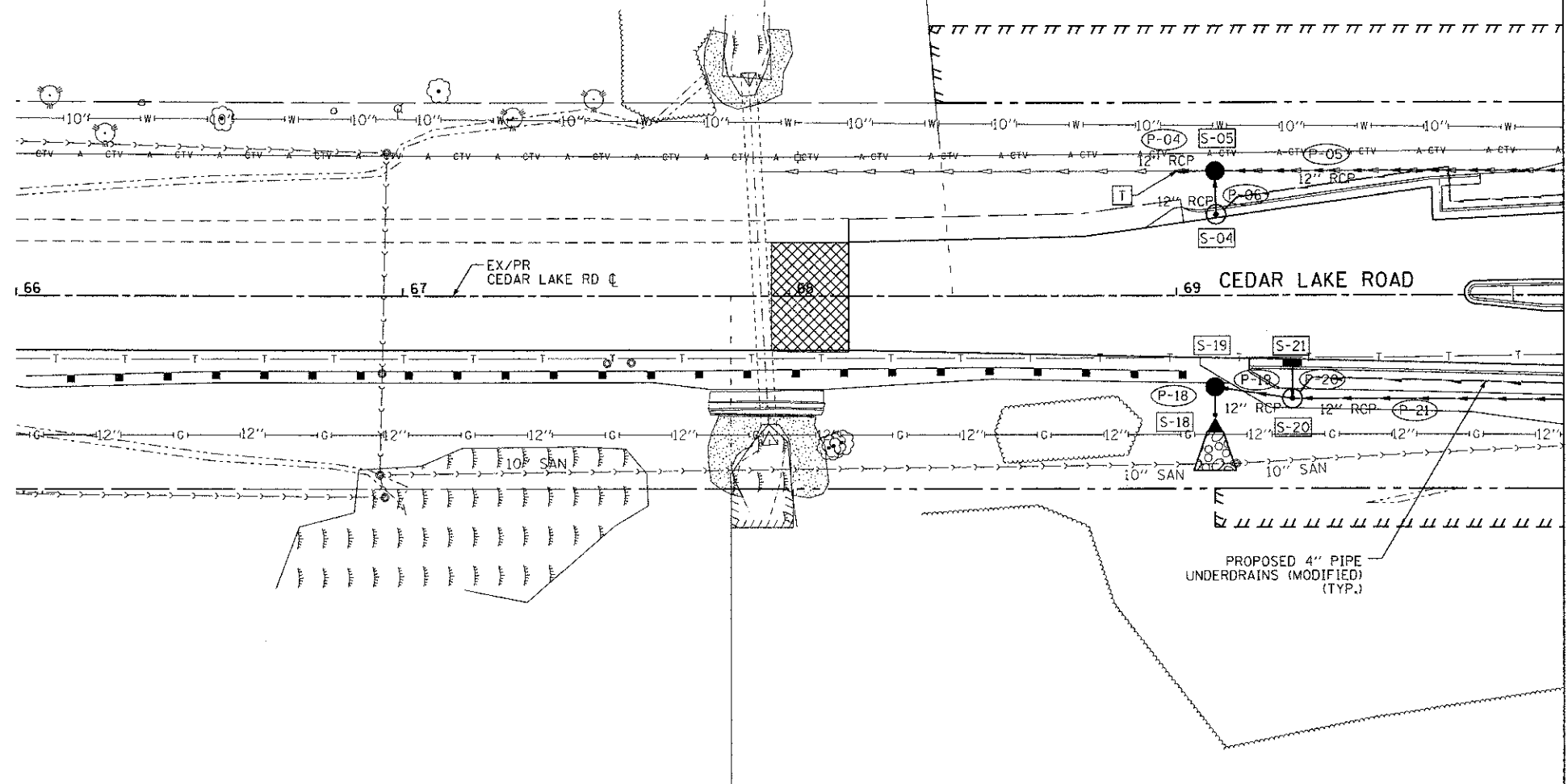
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	33
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63682	

DATE	
BY	
PLAN	
NO. OF WAY CHECKED	
NO. OF FILE NAME	

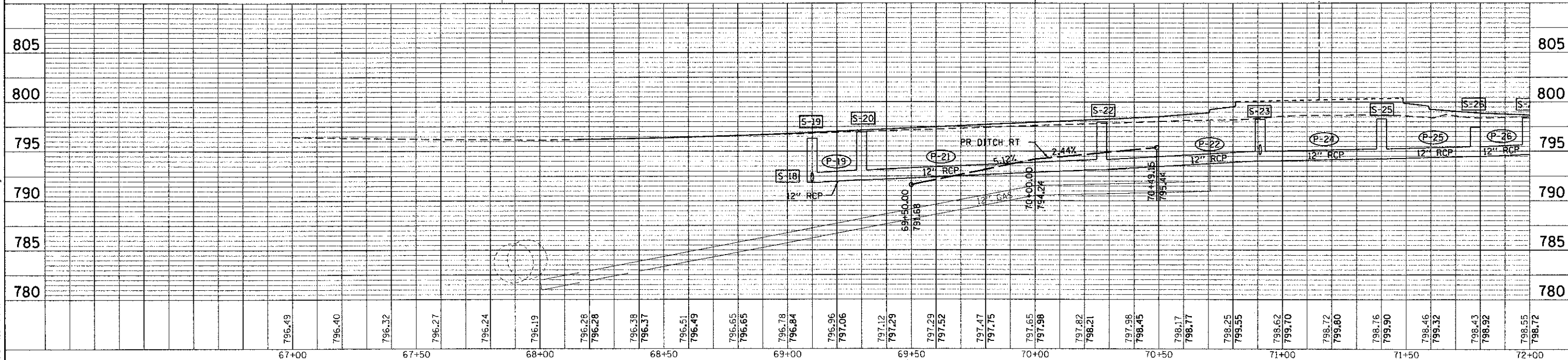
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PROFILE	
NO. OF WAY CHECKED	
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- NOTE:
- CONTRACTOR SHALL EXPOSE EXISTING STORM SEWER AT PROPOSED LOCATION OF STRUCTURE S-05 PRIOR TO INSTALLING STRUCTURE AND STORM SEWER PIPE. SOUTH INVERT SHOWN IN DRAINAGE SCHEDULE FOR S-05 IS APPROXIMATE AND CONTRACTOR SHALL NOT ORDER/FABRICATE STORM SEWER STRUCTURE PRIOR TO IDENTIFYING THE DEPTH OF THE EXISTING PIPE. THE PROPOSED RIM ELEVATION SHALL NOT CHANGE, UNLESS APPROVED BY THE ENGINEER IN THE FIELD, AND SHOULD BE FLUSH WITH THE PROPOSED GRADING, EXPOSING THE EXISTING STORM SEWER TO BE PAID FOR AS EXPLORATION TRENCH 52" (FOOT).
 - STRUCTURE S-05 WILL BE A VORTEX SEPARATOR TO MINIMIZE CONTAMINANTS ENTERING EAGLE CREEK. REFER TO SHEET 47 FOR DETAILS.
 - CONTRACTOR SHALL PLACE ENOUGH RISERS AND GRADE ACCORDINGLY TO ENSURE THERE IS A MINIMUM OF 4 INCHES OF TOPSOIL COVERING FLAT SLAB TOP ON STORMWATER TREATMENT STRUCTURE S-05. THE FRAME AND COVER SHALL BE EXPOSED FOR MAINTENANCE BUT THE REST OF THE STRUCTURE SHALL BE BURIED.



MATCHLINE STA. 70+00.00
SEE SHEET 32



67+00	67+50	68+00	68+50	69+00	69+50	70+00	70+50	71+00	71+50	72+00																																			
796.49	796.40	796.32	796.27	796.24	796.19	796.28	796.28	796.38	796.37	796.51	796.49	796.65	796.65	796.78	796.84	796.96	797.06	797.12	797.29	797.29	797.52	797.47	797.75	797.65	797.98	797.82	798.21	797.98	798.45	798.17	798.77	798.25	799.55	798.62	799.70	798.72	799.80	798.76	799.90	798.46	799.32	798.43	798.92	798.55	798.72



USER NAME = Jeff Sedig	DESIGNED -	REVISED -
PLOT SCALE = 48,000' / 1" = 1"	DRAWN -	REVISED -
PLOT DATE = 11/12/2012	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

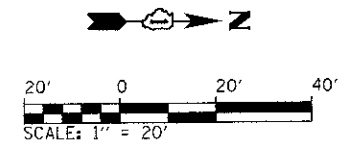
PROPOSED DRAINAGE PLAN & PROFILE

SCALE: 20H:5V SHEET NO. 4 OF 5 SHEETS STA. 68+15.35 TO STA. 70+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	34
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63682	

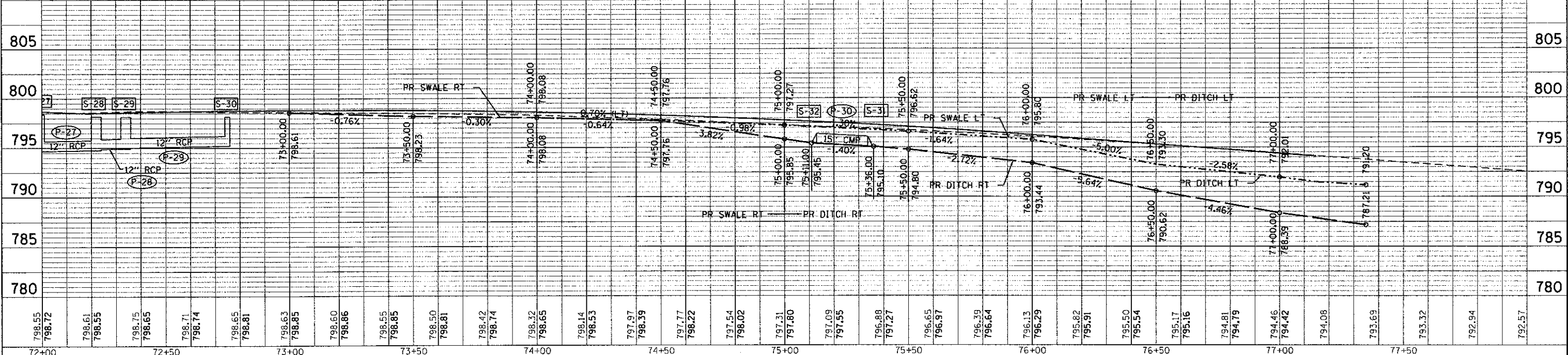
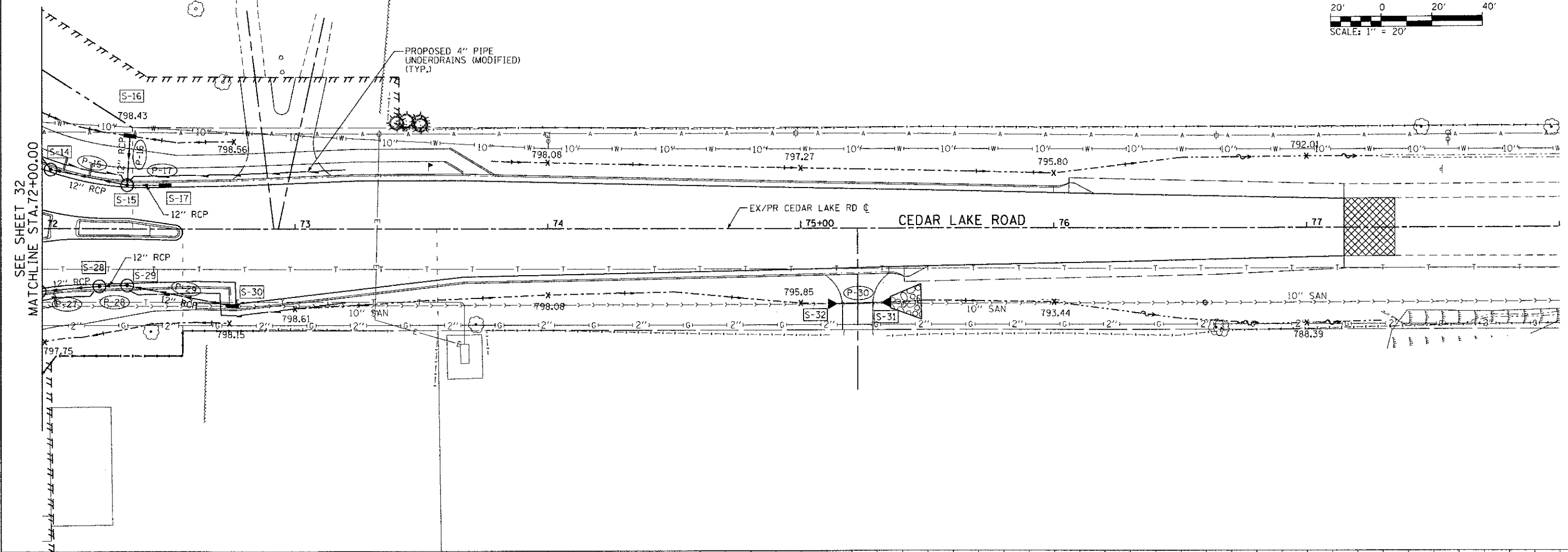
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NOTE:
 1. CONTRACTOR SHALL PLACE 4" OF RISERS AT STRUCTURE S-16, TO ALLOW FOR SOIL PLACEMENT AROUND FRAME AND GRATE. RISER TO BE INCLUDED IN THE COST FOR THE APPLICABLE INLET.



DATE	
BY	
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CHECKED	
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NOTE BOOK	
NO.	
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DATE	
BY	
PROFILE	
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FILE NAME	

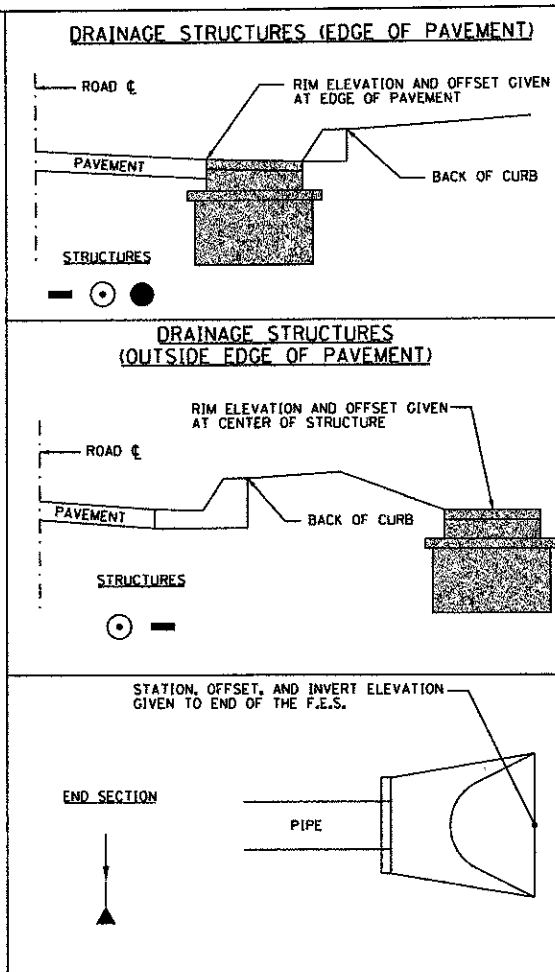


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CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 84-00063	USER NAME = Jeff Bodig DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DRAINAGE PLAN & PROFILE	F.A.U. RTE. 0192 SECTION 06-00153-07-CH COUNTY LAKE TOTAL SHEETS 120 SHEET NO. 35 CONTRACT NO. 63682
	PLOT SCALE = 48,0000' / 1" IN. PLOT DATE = 11/12/2012	SCALE: 20H:5V SHEET NO. 5 OF 5 SHEETS STA. 72+00.00 TO STA. 77+14.82			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PROPOSED DRAINAGE STRUCTURE SCHEDULE										
STRUCTURE NO.	TYPE	STATION	OFFSET	RIM ELEV.	INV. (N)	INV. (S)	INV. (E)	INV. (W)	FRAME & GRATE	FLAT SLAB TOP
S-01	MH TY A 4' DIA., TY 1 CLOSED	102+29	19.5' RT	795.65			790.60	790.40	TY 1 FR & GR	X
S-02	MH TY A 4' DIA., TY 24	102+50	15.3' RT	795.86	792.15			790.78	TY 24 FR & GR	X
S-03	INLET, TY A, TY 24	102+50	15.3' LT	795.86		792.45			TY 24 FR & GR	-
S-04	MH TY A 4' DIA., TY 24	69+10	20.2' LT	796.55				786.65	TY 24 FR & GR	-
S-05	STORMWATER TREAT. STRUCT.	69+10	32.3' LT	794.95	786.55	786.30	786.55		SPECIAL	-
S-06	MH TY A 4' DIA., TY 1 CLOSED	70+05	32.3' LT	797.94	789.00	787.92			TY 1 FR & GR	-
S-07	MH TY A 4' DIA., TY 24	70+30	24.3' LT	798.08	789.45	789.35			TY 24 FR & GR	-
S-08	MH TY A 4' DIA., TY 24	105+87	23.7' RT	798.41	792.30	790.70		795.00	TY 24 FR & GR	X
S-09	INLET, TY A, TY 24	105+58	16.5' RT	798.58			795.14		TY 24 FR & GR	-
S-10	MH TY A 4' DIA., TY 24	105+88	23.9' RT	798.65	792.86	792.76		792.86	TY 24 FR & GR	-
S-11	MH TY A 4' DIA., TY 24	105+59	21.7' LT	798.50			792.99	795.00	TY 24 FR & GR	X
S-12	INLET, TY A, TY 24	105+16	29.4' LT	798.56			795.21		TY 24 FR & GR	-
S-13	MH TY A 4' DIA., TY 8	105+90	45.7' LT	798.66		793.03	793.13		TY 8 GR	-
S-14	MH TY A 4' DIA., TY 24	72+03	22.3' LT	798.44	793.90			793.80	TY 24 FR & GR	X
S-15	MH TY A 4' DIA., TY 24	72+34	16.4' LT	798.27	795.07	794.04		795.07	TY 24 FR & GR	X
S-16	INLET, TY B, TY 8	72+35	36.7' LT	798.43			795.17		TY 8 FR	X
S-17	INLET, TY A, TY 24	72+49	16.4' LT	798.31		795.13			TY 24 FR & GR	-
S-18	12" CONC. E.S. WITH RIGHT ANGLES	69+10	35.3' RT				791.75			-
S-19	CB TY A 4' DIA., TY 1 CLOSED	69+10	23.7' RT	796.30	791.90		791.90		TY 1 FR & GR	X
S-20	MH TY A 4' DIA., TY 1 CLOSED	69+30	26.8' RT	796.98	792.14	792.14		794.14	TY 1 FR & GR	X
S-21	INLET, TY A, TY 24	69+30	16.6' RT	796.85			794.30		TY 24 FR & GR	X
S-22	MH TY A 5' DIA., TY 24	70+32	24.6' RT	798.10	793.12	793.12			TY 24 FR & GR	X
S-23	MH TY A 4' DIA., TY 24	107+57	23.7' RT	798.28	793.91	793.91	794.73		TY 24 FR & GR	X
S-24	INLET, TY A, TY 24	108+12	20.8' RT	797.67			795.00		TY 24 FR & GR	-
S-25	MH TY A 4' DIA., TY 24	107+58	23.5' LT	798.36	794.14	794.14			TY 24 FR & GR	X
S-26	MH TY A 4' DIA., TY 8	107+35	62.0' LT	797.50	794.35		794.35		TY 8 FR	X
S-27	MH TY A 4' DIA., TY 24	71+99	23.8' RT	798.44	794.55		794.55		TY 24 FR & GR	X
S-28	MH TY A 4' DIA., TY 24	72+23	21.9' RT	798.22	794.65	794.65			TY 24 FR & GR	X
S-29	MH TY A 4' DIA., TY 24	72+34	21.6' RT	798.19	795.05	794.70			TY 24 FR & GR	X
S-30	INLET, TY A, TY 24	72+75	29.5' RT	798.21		795.25			TY 24 FR & GR	-
S-31	15" CMP E.S.	75+36	29.3' RT		795.10					-
S-32	15" CMP E.S.	75+11	29.9' RT		795.45					-
S-33	12" CONCRETE F.E.S.	111+98	38.2' RT			787.60				-
S-34	CB TY A 4' DIA., TY 1 OPEN	111+86	17.3' LT	792.58		787.85		788.50	TY 1 FR & GR	X
S-35	MH TY A 4' DIA., TY 24	109+45	18.6' LT	796.67			792.06	793.35	TY 24 FR & GR	X
S-36	INLET, TY B, TY 8	108+80	36.6' LT	797.35			794.00		TY 8 GR	-
S-37	15" CMP E.S.	111+46	36.8' LT				790.90			-
S-38	15" CMP E.S.	111+08	36.4' LT				792.00			-

PROPOSED DRAINAGE PIPE SCHEDULE							
PIPE NO.	STRUCTURE		SIZE	LENGTH	SLOPE	TYPE	TRENCH BACKFILL (CU YD.)
	FROM	TO					
P-01	S-01	EXIST.	12"	8'	1.20%	SS CL A, TY 2, 12"	6.09
P-02	S-02	S-01	12"	18'	1.00%	SS CL A, TY 2, 12"	9.65
P-03	S-03	S-02	12"	30'	1.00%	SS CL A, TY 1, 12"	3.95
P-04	S-05	EXIST.	12"	8'	2.50%	SS CL A, TY 2, 12"	0.00
P-05	S-06	S-05	12"	91'	1.50%	SS CL A, TY 2, 12"	45.29
P-06	S-04	S-05	12"	8'	1.00%	SS CL A, TY 2, 12"	3.00
P-07	S-07	S-06	12"	23'	1.50%	SS CL A, TY 2, 12"	24.88
P-08	S-08	S-07	12"	83'	1.50%	SS, RG, CL A, TY 2, 12"	84.44
P-09	S-09	S-08	12"	27'	0.50%	SS CL A, TY 1, 12"	2.42
P-10	S-10	S-08	12"	46'	1.00%	SS CL A, TY 2, 12"	26.87
P-11	S-11	S-10	12"	26'	0.50%	SS CL A, TY 2, 12"	13.93
P-12	S-12	S-11	12"	41'	0.50%	SS CL A, TY 1, 12"	18.68
P-13	S-13	S-10	12"	17'	1.00%	SS CL A, TY 2, 12"	14.02
P-14	S-14	S-13	12"	67'	1.00%	SS, RG, CL A, TY 2, 12"	18.97
P-15	S-15	S-14	12"	27'	0.50%	SS CL A, TY 2, 12"	5.54
P-16	S-16	S-15	12"	17'	0.50%	SS CL A, TY 1, 12"	6.93
P-17	S-17	S-15	12"	12'	0.50%	SS CL A, TY 1, 12"	0.82
P-18	S-19	S-18	12"	8'	1.50%	SS CL A, TY 1, 12"	0.00
P-19	S-20	S-19	12"	16'	1.50%	SS CL A, TY 2, 12"	11.14
P-20	S-21	S-20	12"	6'	2.67%	SS CL A, TY 1, 12"	2.73
P-21	S-22	S-20	12"	98'	1.00%	SS CL A, TY 2, 12"	52.52
P-22	S-23	S-22	12"	79'	1.00%	SS CL A, TY 2, 12"	52.48
P-23	S-24	S-23	12"	53'	0.50%	SS CL A, TY 1, 12"	5.30
P-24	S-25	S-23	12"	46'	0.50%	SS CL A, TY 2, 12"	7.98
P-25	S-26	S-25	12"	41'	0.50%	SS CL A, TY 1, 12"	16.08
P-26	S-27	S-26	12"	39'	0.50%	SS CL A, TY 1, 12"	13.40
P-27	S-28	S-27	12"	20'	0.50%	SS CL A, TY 1, 12"	2.63
P-28	S-29	S-28	12"	8'	0.50%	SS CL A, TY 1, 12"	1.05
P-29	S-30	S-29	12"	39'	0.50%	SS CL A, TY 1, 12"	15.27
P-30	S-32	S-31	15"	21'	1.40%	15" CMP	6.06
P-31	S-34	S-33	12"	49'	0.50%	SS CL A, TY 1, 12"	9.70
P-32	S-35	S-34	12"	237'	1.50%	SS CL A, TY 2, 12"	36.15
P-33	S-36	S-35	12"	65'	1.00%	SS CL A, TY 1, 12"	22.41
P-34	S-38	S-37	15"	34'	2.90%	15" CMP	1.93



- DRAINAGE STRUCTURE GENERAL NOTES**
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.
 - DRAINAGE STRUCTURE GRADES SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS. GRADES OF EXISTING SEWER LINES WERE DETERMINED FROM AVAILABLE PLANS AND SURVEY. THE INVERTS OF THE PROPOSED DRAINAGE MAY REQUIRE REVISIONS TO MEET THE EXISTING FIELD CONDITIONS. ANY ADJUSTMENTS SHALL BE DIRECTED BY THE ENGINEER AND NOT PAID FOR SEPARATELY.
 - ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LIDS OF ONE OF THE FOLLOWING: ALL LIDS TO BE USED ON STORM SEWER SHALL BEAR THE WORD "STORM", ALL LIDS TO BE USED ON SANITARY SEWER SHALL BEAR THE WORD "SANITARY", ALL LIDS TO BE USED ON THE WATER SYSTEM SHALL BEAR THE WORD "WATER". THIS SHALL BE CONSIDERED INCIDENTAL TO THE FRAME AND CLOSED LID PROVIDED.
 - ALL INLETS AND MANHOLES SHALL HAVE A POURED CONCRETE BENCH CONSTRUCTED BEFORE THE RESPECTIVE STORM SEWER IS PUT INTO SERVICE. THE COST FOR THE CONSTRUCTION OF THE CONCRETE BENCH SHALL BE CONSIDERED INCIDENTAL TO THE COST OF EACH STORM SEWER STRUCTURE (INLETS AND MANHOLES).
 - CEMENT BRICKS AND NON-SHRINK MORTAR SHALL BE USED IN ALL STORM STRUCTURES, IF APPLICABLE.
 - COST OF CONCRETE FLAT SLAB TOP SHALL BE INCLUDED IN UNIT PRICE OF THE APPLICABLE INLET, MANHOLE, OR CATCH BASIN.
 - FLAT SLAB TOPS MAY BE USED WITH ANY STRUCTURE AT THE DISCRETION OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. FLAT SLAB TOP LOCATIONS SHOWN IN PLANS ARE INCLUDED TO HELP IDENTIFY LOCATIONS WITH MINIMAL CLEARANCE BETWEEN THE RIM AND TOP OF PIPE.

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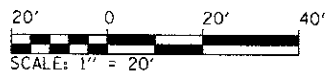
CMT
 CRAWFORD, MURPHY & TOLLY, INC.
 CONSULTING ENGINEERS
 License No. 04-000613

USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
PLOT SCALE = 40,000 / 1" =	DRAWN - MNB	REVISED -
PLOT DATE = 11/22/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

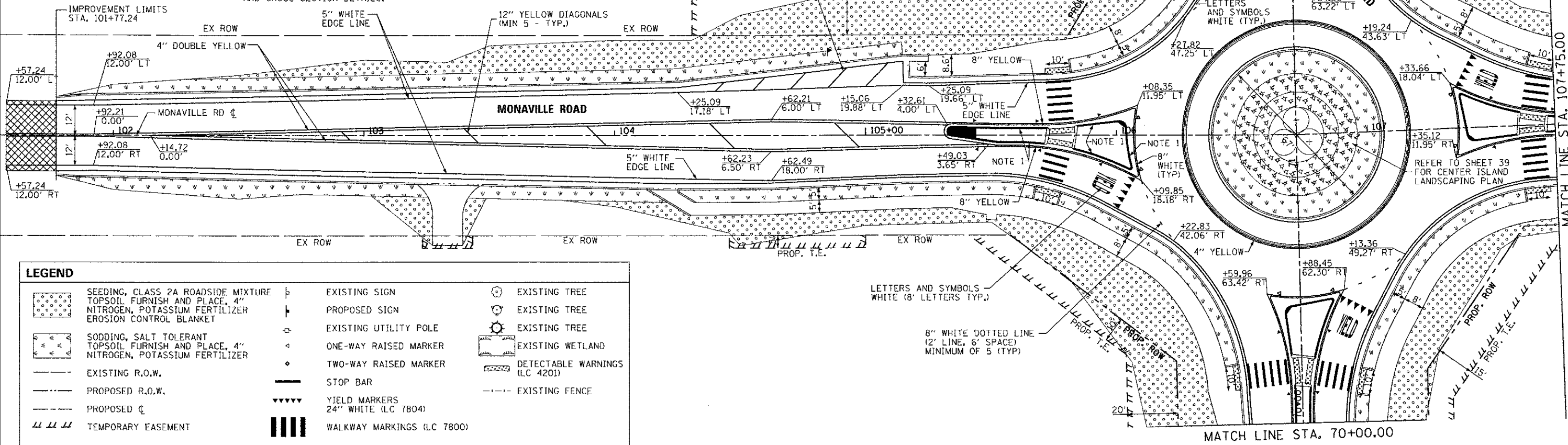
PROPOSED DRAINAGE SCHEDULE			
SCALE: N/A	SHEET NO. OF SHEETS	STA. N/A TO STA. N/A	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	36
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 63682				



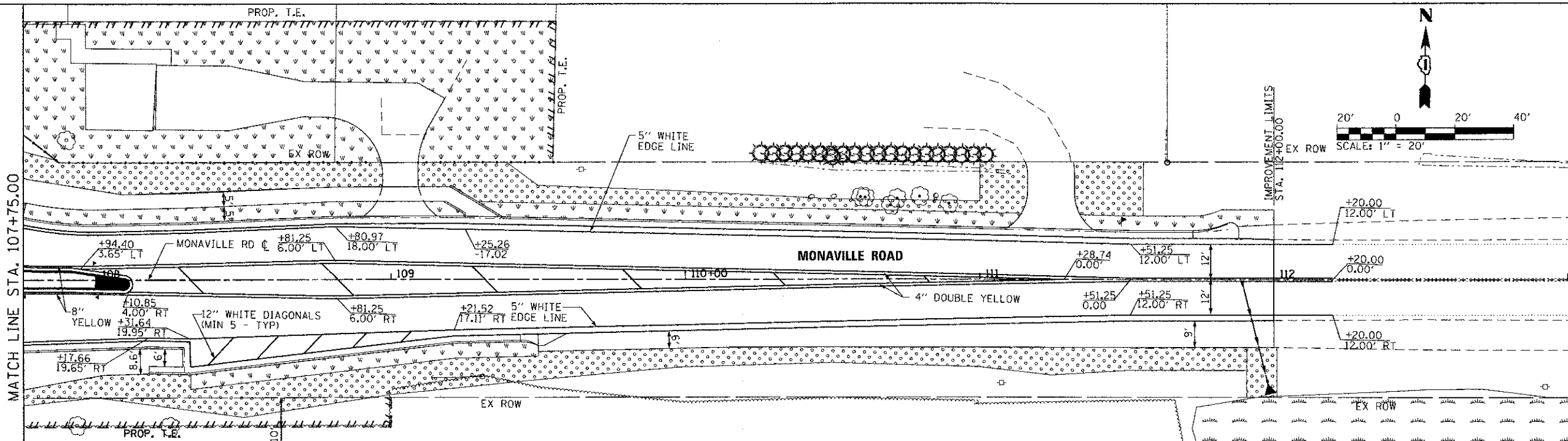
NOTES:

- SPLITTER ISLAND CURBS SHALL BE PAINTED IN ACCORDANCE WITH THE DETAILS SHOWN ON LCDOT STD. LC7800.
- ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
- ALL EXISTING SIGNS SHALL BE REMOVED BY THE CONTRACTOR AND STORED ON-SITE FOR LCDOT PICK-UP. ANY SIGNS THAT ARE DETERMINED UNSALVAGABLE BY LCDOT SHALL BE DISPOSED OFF-SITE BY THE CONTRACTOR.
- RAISED PAVEMENT MARKERS ALONG SPLITTER ISLANDS SHALL BE INSTALLED IN STEEL CASTINGS. THE COST OF STEEL CASTINGS SHALL BE INCLUDED IN THE UNIT COST FOR RAISED REFLECTIVE PAVEMENT MARKERS.
- ALL PROPOSED SIGNAGE WILL BE DESIGNED AND INSTALLED BY LCDOT.
- SEE LCDOT STD. 7800 AND LCDOT STD. 7804 FOR TYPICAL PAVEMENT MARKING OFFSETS AND CROSS SECTION DETAILS.

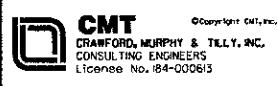


LEGEND

	SEEDING, CLASS 2A ROADSIDE MIXTURE TOPSOIL FURNISH AND PLACE, 4" NITROGEN, POTASSIUM FERTILIZER EROSION CONTROL BLANKET		EXISTING SIGN		EXISTING TREE
	SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4" NITROGEN, POTASSIUM FERTILIZER		PROPOSED SIGN		EXISTING TREE
	EXISTING R.O.W.		EXISTING UTILITY POLE		EXISTING TREE
	PROPOSED R.O.W.		ONE-WAY RAISED MARKER		EXISTING WETLAND
	PROPOSED C		TWO-WAY RAISED MARKER		DETECTABLE WARNINGS (LC 4201)
	TEMPORARY EASEMENT		STOP BAR		EXISTING FENCE
			YIELD MARKERS 24" WHITE (LC 7804)		
			WALKWAY MARKINGS (LC 7800)		



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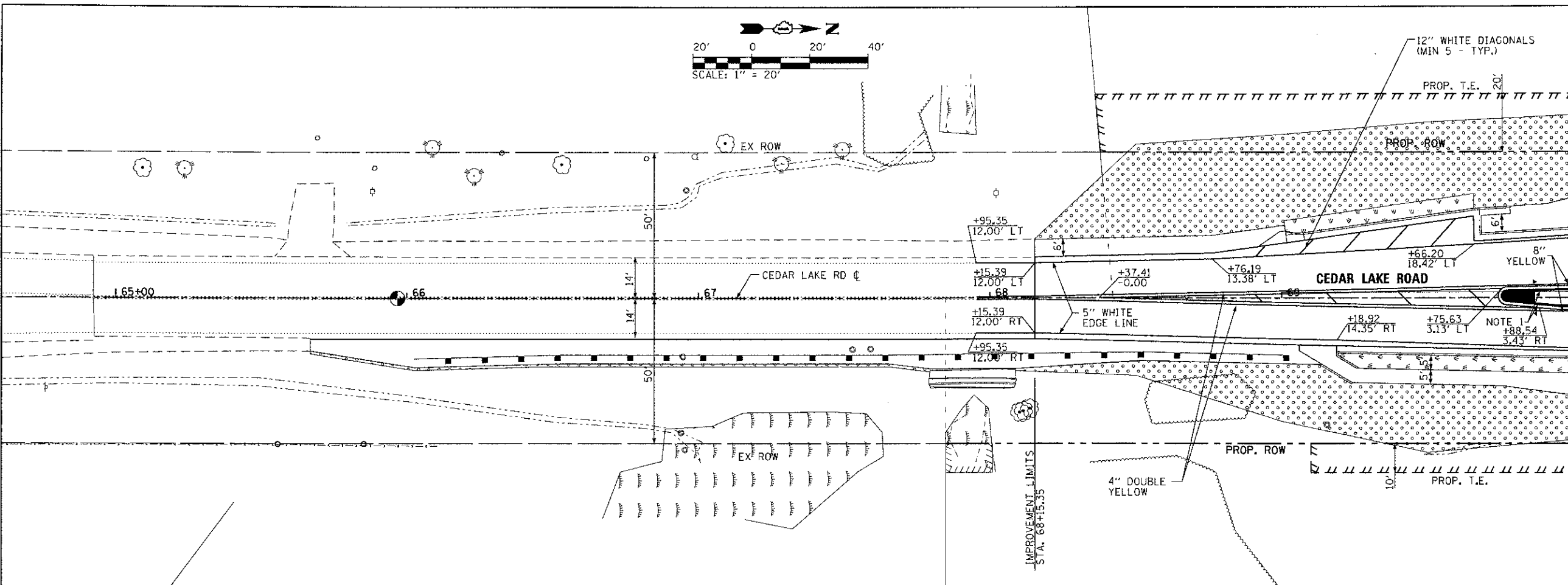
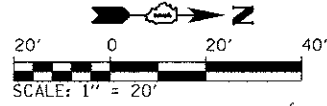
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DRAWN - SJP	REVISED -	
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DATE = 10/22/2012	DATE = 10/22/2012	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

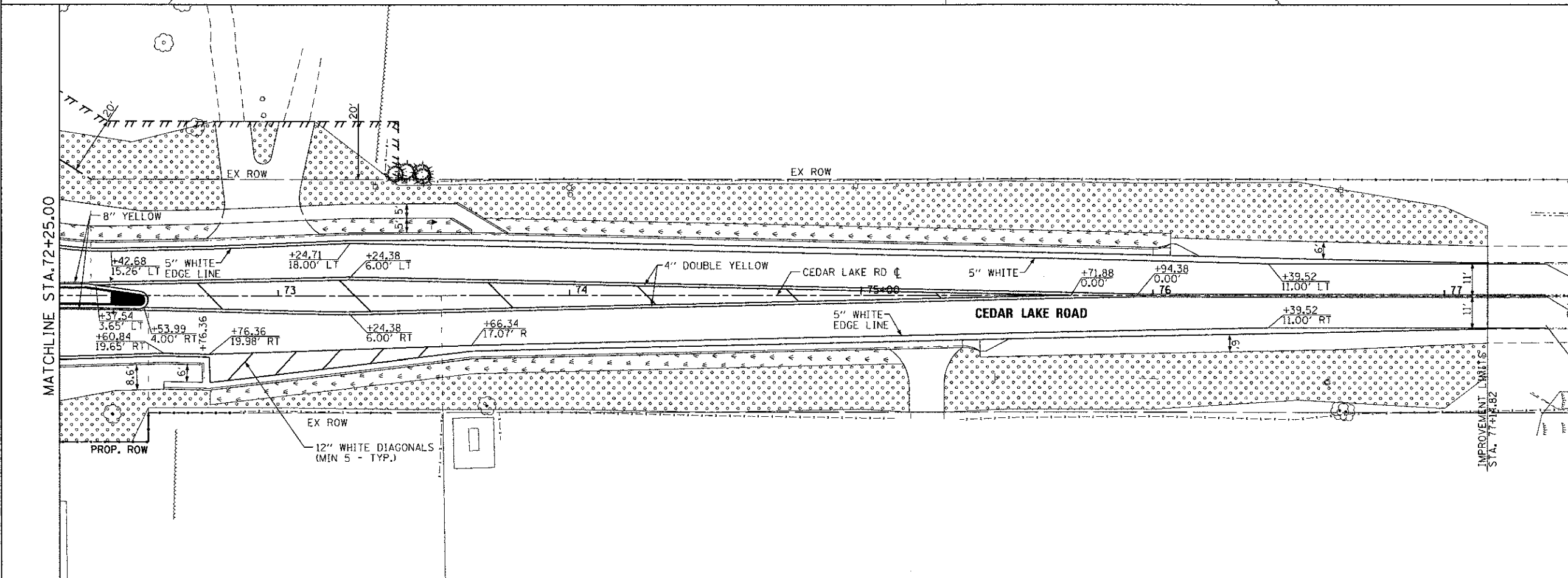
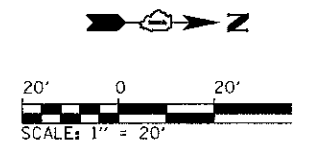
PAVEMENT MARKING, LANDSCAPING & SIGNING PLAN

SCALE: 20'=1" SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	37
CONTRACT NO. 63682				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

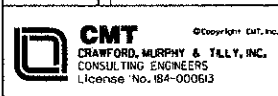


MATCHLINE STA: 70+00.00



IMPROVEMENT LIMITS
STA. 77+14.82

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USER NAME = Jeff Sadig
 PLOT SCALE = 40.0000' / 1" = 10'
 PLOT DATE = 08/15/2011

DESIGNED - SJP
 DRAWN - SJP
 CHECKED - CMC
 DATE - 08/15/2011

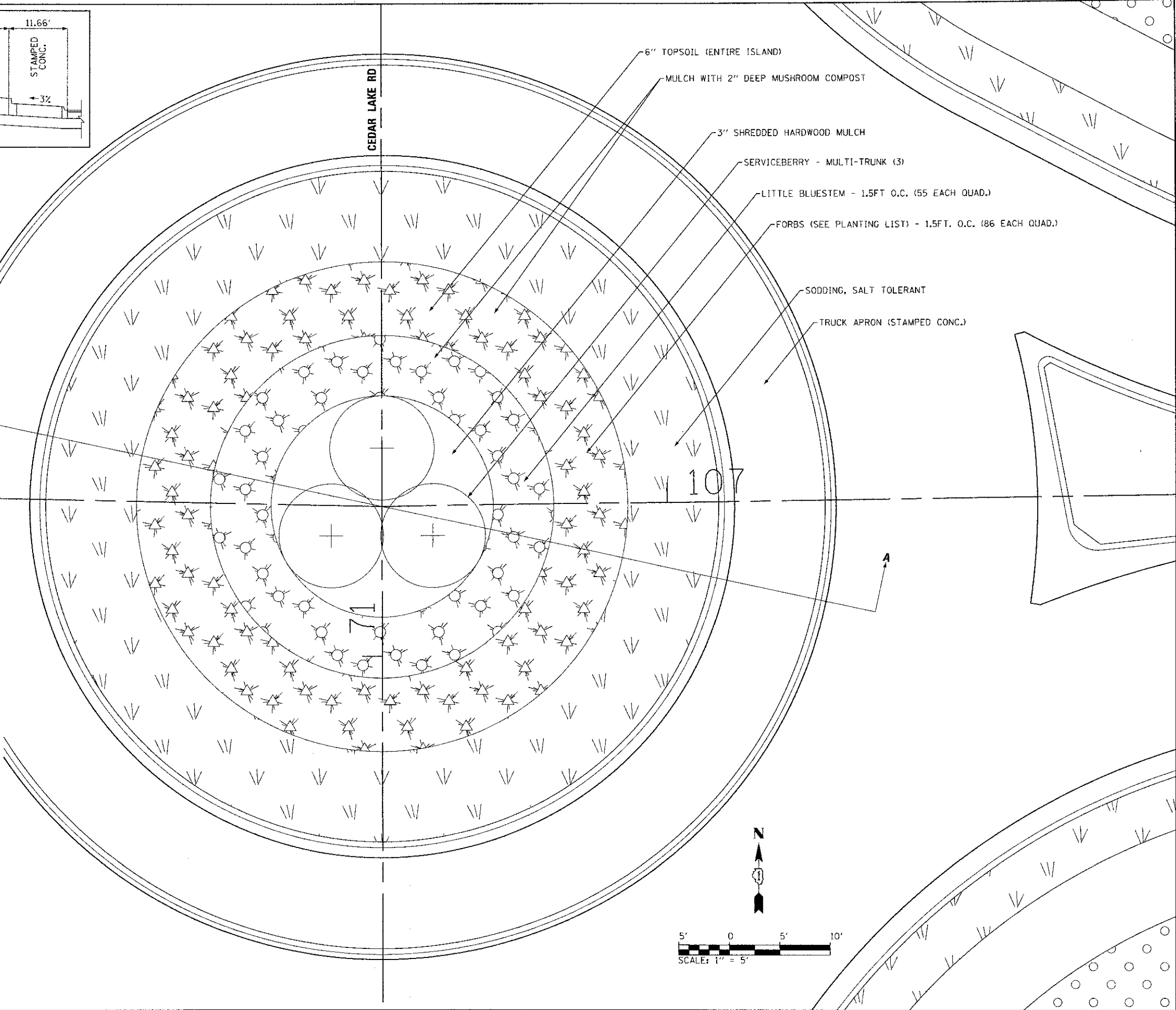
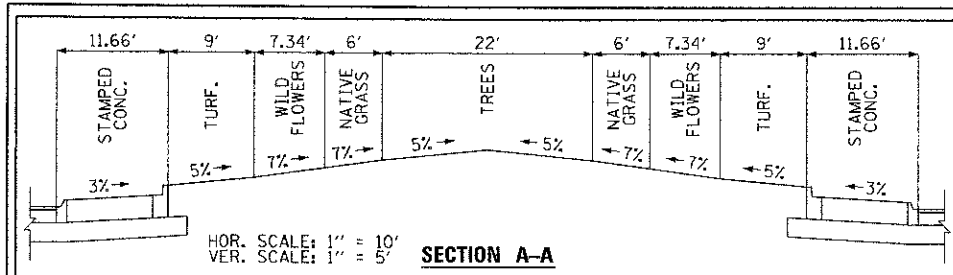
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING, SIGNING & LANDSCAPING PLAN

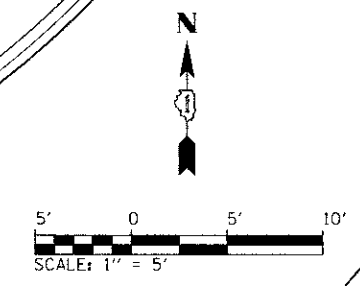
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63682	

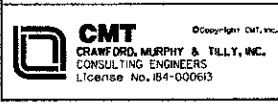


PLANTING LIST

COMMON NAME	BOTANICAL NAME	SIZE/CONDITION	QUANTITY	COMMENTS
AUTUMN BRILLIANCE SERVICEBERRY	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	6-7 FT TALL, MT/3-TRUNKS	3	SMALL TREE; EVENLY SPACED IN CIRCULAR AREA
LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	PLANT "PLUG"	220	NATIVE GRASS; SPACED 1.5 FT. IN 4 ROWS.
NATIVE WILDFLOWERS, SPECIES NOTED BELOW.		PLANT "PLUG"	344	NATIVE WILDFLOWERS (FORBS); SPACED 1.5 FT. IN 4 ROWS; PLANT APPROX. 3 OF EACH SPECIES IN PROXIMITY TO EACH OTHER
BUTTERFLY MILKWEED	AESCLEPIAS TUBEROSA		43	
PURPLE CONEFLOWER	ECHINACEA PURPUREA		43	
SKY BLUE ASTER	ASTER AZUREUS		43	
PRAIRIE COREOPSIS	COREOPSIS PALMATA		43	
PRAIRIE BLAZING STAR	LIATRIS PYCNOSTACHYA		43	
WILD MONARDA	MONARDA FISTULOSA		43	
BLACK-EYED SUSAN	RUDBEKIA HIRTA		43	
GOLDEN ALEXANDER	ZIZIA AUREA		43	



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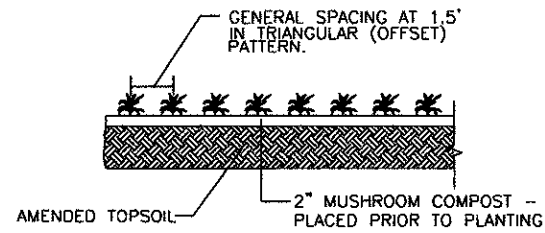
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

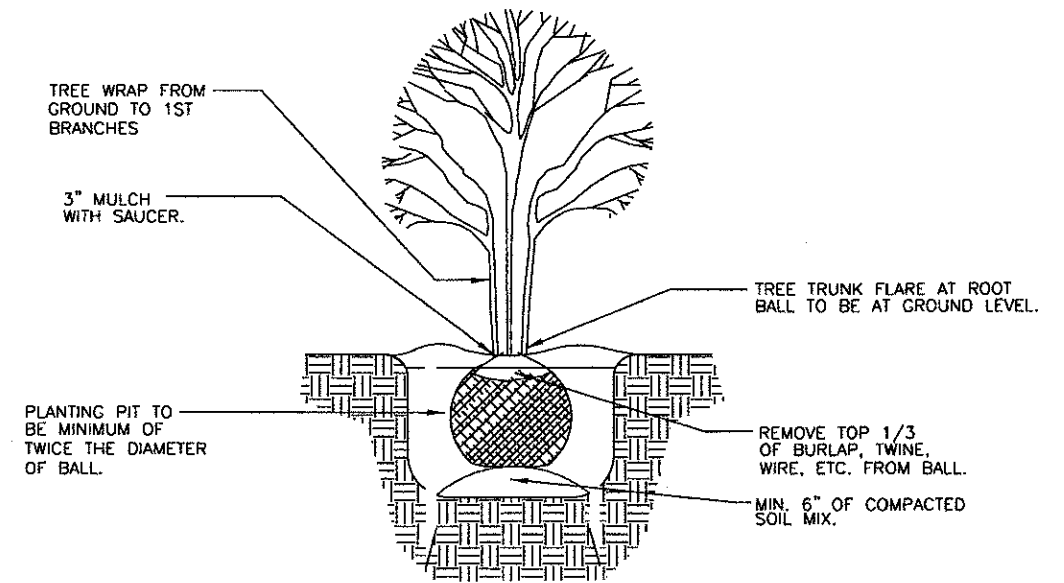
**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN
CENTER ISLAND LANDSCAPING PLAN**

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F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 39
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63682	



FORBS AND NATIVE GRASS "PLUGS"
N.T.S.



BALLED AND BURLAPPED DECIDUOUS MULTI-TRUNK TREE DETAIL
N.T.S.

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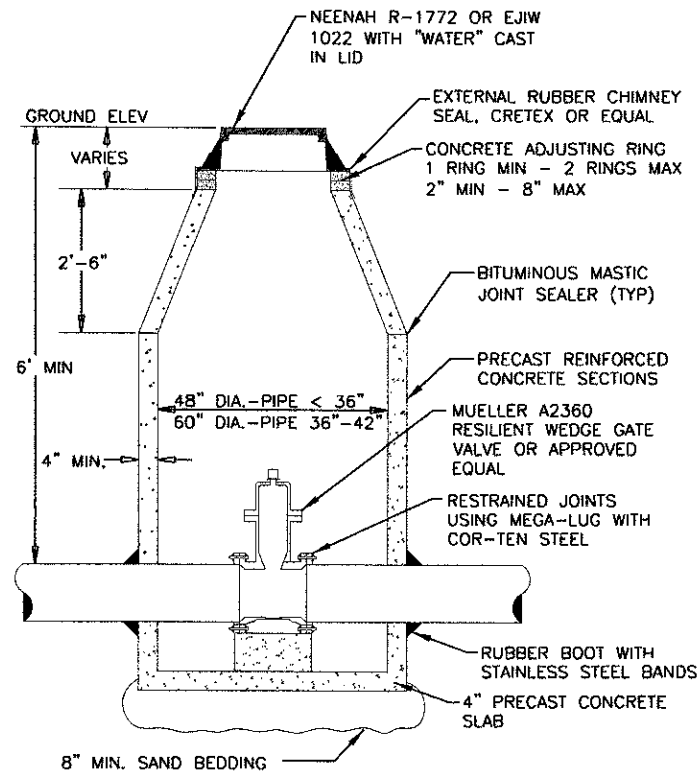
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

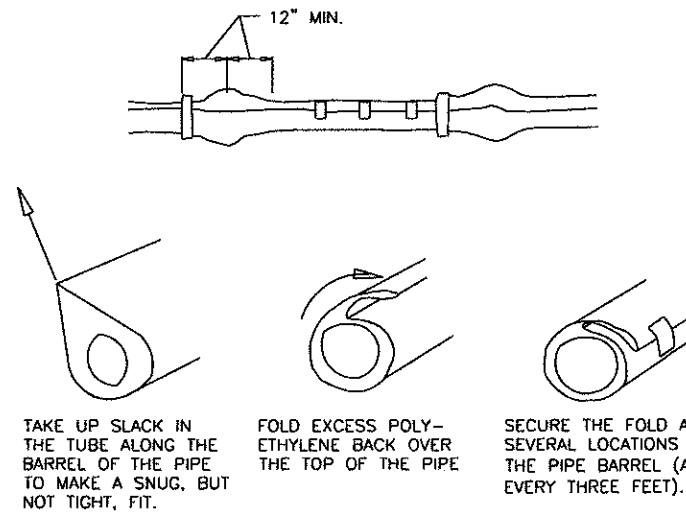
LANDSCAPING DETAILS

SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

P.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 40
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

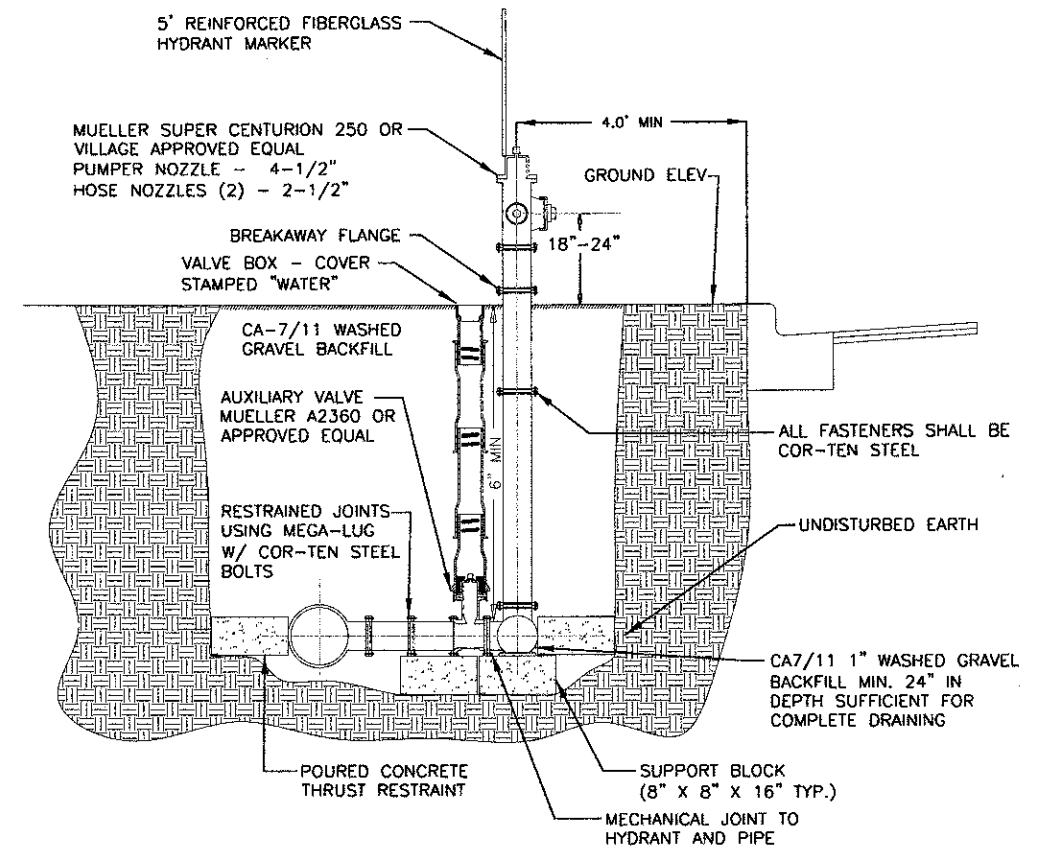


VALVE VAULT DETAIL
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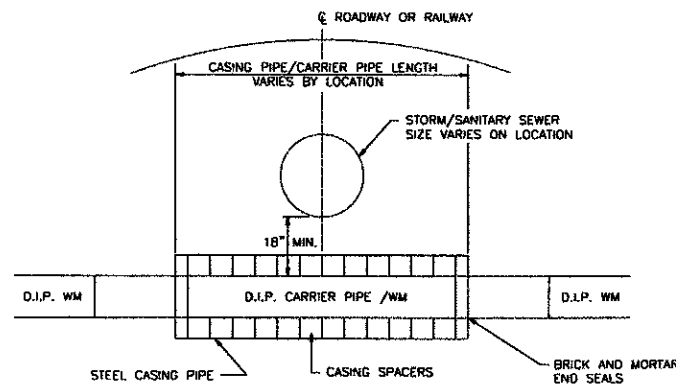


POLYETHYLENE ENCASEMENT FOR DUCTILE IRON PIPE
N.T.S.

- NOTES:
1. REPAIR ALL SMALL RIPS, TEARS OR OTHER TUBE DAMAGE WITH ADHESIVE TAPE.
 2. ONE LENGTH OF POLYETHYLENE TUBE FOR EACH LENGTH OF PIPE, OVERLAPPED AT JOINT.

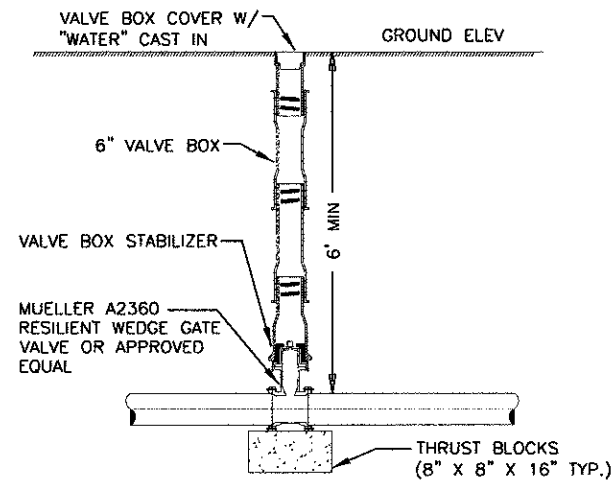


FIRE HYDRANT W/ AUX VALVE DETAIL
N.T.S.



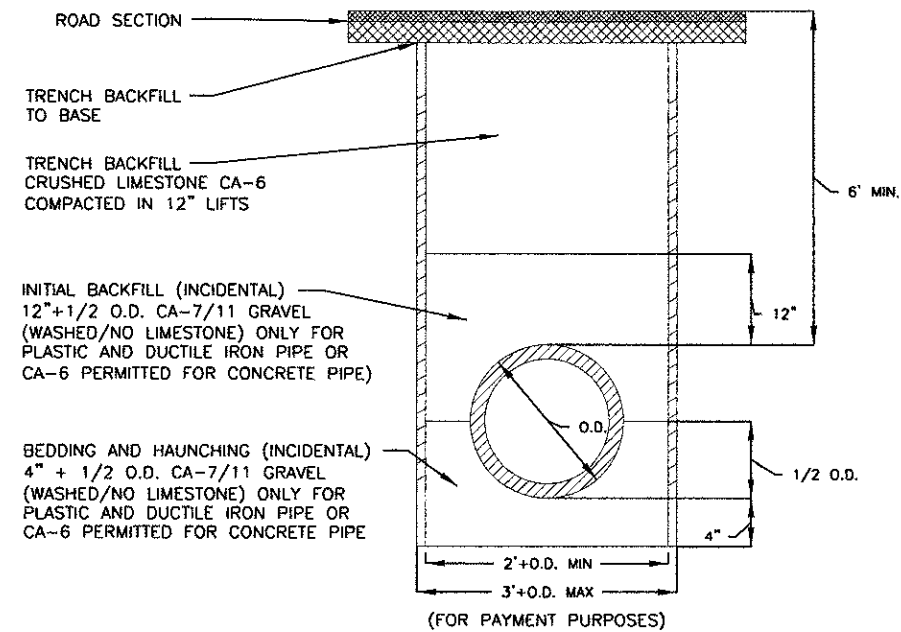
CASING PIPE DETAIL
N.T.S.

- NOTES:
1. AT LEAST THREE CASING SPACERS / PIPE LENGTH SHALL BE INSTALLED WITH THE CARRIER PIPE.
 2. MECHANICAL RESTRAINED JOINT PIPE SHALL BE USED IN CASING.



**VALVE BOXES PERMITTED ONLY WHERE APPROVED BY THE VILLAGE.

VALVE BOX DETAIL
N.T.S.



**PAVEMENT SHALL INCLUDE ALL AREAS WITHIN 2FT OF STREETS, CURBS, GUTTERS, DRIVEWAYS, AND SIDEWALKS.

TRENCH SECTION IN PAVEMENT **
N.T.S.

INSIDE DIAMETER OF CONDUIT IN INCHES "D"	MAXIMUM TRENCH WIDTH IN FEET FOR PAYMENT	MAXIMUM PAVEMENT REMOVAL WIDTH IN FEET FOR PAYMENT
6	3.58	5.58
8	3.78	5.78
10	3.97	5.97
12	4.17	6.17
14	4.36	6.36
15	4.46	6.46
16	4.56	6.56
18	4.75	6.75
20	4.94	6.94
21	5.04	7.04
24	5.33	7.33

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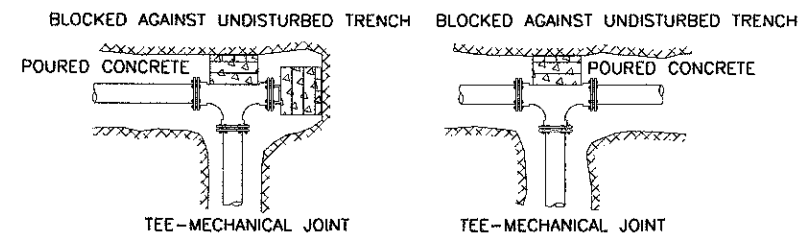
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN NOTES AND DETAILS

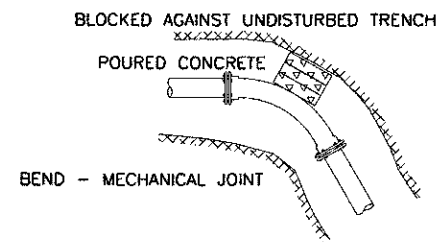
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F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	42
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT				



TEE-MECHANICAL JOINT

TEE-MECHANICAL JOINT



BEND - MECHANICAL JOINT

THRUST BLOCK INSTALLATIONS

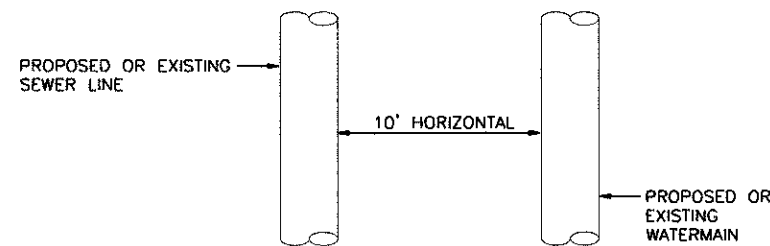
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SUGGESTED SEQUENCE OF CONSTRUCTION

- A. CONTRACTOR SHALL NOTIFY VILLAGE PERSONNEL 48 HOURS PRIOR TO EXPOSING OR CONNECTING TO EXISTING WATERMAIN.
- B. ONLY THE VILLAGE SHALL OPERATE VALVES.
- C. IF SERVICES WILL INTERRUPTED, NOTIFY OWNERS 48 HOURS PRIOR TO INTERRUPTIONS. MAXIMUM TIME OF ALLOWABLE SERVICE INTERRUPTIONS SHALL LAST BE COORDINATED WITH THE VILLAGE.
- D. THE FOLLOWING SEQUENCE IS SUGGESTED TO SHOW THE INTENT TO MINIMIZE TIME THE WATER MAIN IS OUT OF SERVICE. THE CONTRACTOR SHALL SUPPLY THEIR ACTUAL PROPOSED SEQUENCE OF CONSTRUCTION THAT MINIMIZES THE TIME OUT OF SERVICE AS REQUIRED, REVIEWED AND ACCEPTED BY THE VILLAGE. THE CONTRACTOR IS SOLEY RESPONSIBLE FOR MEAN AND METHODS.
 1. INSTALL PROPOSED WATER MAIN, CASING, FITTING AND APPURTENANCES ADJACENT TO EXISTING WATER MAIN.
 2. COORDINATE SHUT DOWN WITH VILLAGE.
 3. PREPARE FOR SHUTDOWN.
 4. SHUTDOWN WATER MAIN, INSTALL VALVES, INSTALL FIRE HYDRANT AND CONNECT TO EXISTING WATER MAIN.
 5. PRESSURE TEST NEW WATER MAIN TO PROPOSED VALVES.
 6. DISINFECT AND SAMPLE ALL WATER MAIN SHUT DOWN FOR THE INSTALLATION.
 7. ONCE PASSING, OPEN SYSTEM.

WATER MAIN NOTES

1. WATER MAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE VILLAGE OF LAKE VILLAGE STANDARDS, STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, SIXTH EDITION AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. SEPARATION REQUIREMENTS SHALL BE PER THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, SIXTH EDITION.
3. CONTRACTOR SHALL INVESTIGATE EXISTING UTILITIES PRIOR TO INSTALLATION OF WATER MAIN. SHOULD THE CONTRACTOR NOTE ANY UTILITY CONFLICTS NOT IDENTIFIED IN THE DRAWINGS, HE SHALL NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
4. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ARRANGE TO HAVE ALL UNDERGROUND UTILITIES INCLUDING WATER, GAS, ELECTRIC, STORM SEWER, SANITARY SEWER, TELEPHONE AND CABLE TV LOCATED AND SUITABLY MARKED. SHOULD A UTILITY BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THE ENGINEER SHALL BE NOTIFIED AT ONCE. IF UTILITIES INTERFERE WITH THE CONSTRUCTION ALIGNMENT, THEY SHALL BE PROTECTED AT NO ADDITIONAL EXPENSE TO THE OWNER AND WITHOUT CLAIM BY THE CONTRACTOR FOR DELAYS DUE TO UTILITY LINES ENCOUNTERED.
5. ALL VALVE BOXES AND VALVE VAULTS SHALL NOT BE COVERED WITH CONSTRUCTION DEBRIS AND SHALL REMAIN ACCESSIBLE TO THE RESPECTIVE UTILITY COMPANY.



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

PLAN VIEW

FILE NAME: L:\N:\E\CD\122481\Draws\CADD_Sheets\Utility_3_Mechanics\Notes\Detail2.dgn

CMT CRAWFORD, MURPHY & TELY, INC. CONSULTING ENGINEERS License No. 184-00063	USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN NOTES AND DETAILS	F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48.0000' / in.	DRAWN - MNB	REVISED -			0192	06-00153-07-CH	LAKE	120	43
PLOT DATE = 11/12/2012	CHECKED - CMC	DATE - 10/22/2012	REVISED -	SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. - TO STA. -		CONTRACT NO. 63682				
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

••THIS PROJECT DISTURBS 3.53 ACRES OF TOTAL LAND AREA.

TEMPORARY EROSION CONTROL NOTES

1. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION TYPICAL CONSTRUCTION SEQUENCING.
2. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2010.
3. A COPY OF THE APPROVED EROSION CONTROL AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIME.
4. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES IMMEDIATELY AFTER STRIPPING OF EXISTING VEGETATION.
5. NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE SITE OTHER THAN THROUGH EROSION CONTROL PROTECTIVE MEASURES. THE CONTRACTOR WILL ADJUST HIS OPERATIONS AND IMPLEMENT EROSION CONTROL MEASURES ACCORDINGLY.
6. NO WORK SHALL BE PERFORMED IN FLOWING WATER, PRIORITY SHALL BE GIVEN TO COMPLETION AND STABILIZATION OF WORK IN AND NEAR THE CRITICAL AREAS (WETLANDS AND WATERS OF THE U.S.) ONCE THIS WORK HAS BEGUN. ALL CRITICAL AREAS SHOULD RECEIVE TEMPORARY OR PERMANENT STABILIZATION AT THE END OF THE DAY.
7. THE CONTRACTOR SHALL SURROUND ALL EARTH STOCKPILES WITH SILT FILTER FENCE, WHICH SHALL BE PAID FOR AS PERIMETER EROSION BARRIER.
8. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.
9. EROSION CONTROL MEASURES SHALL BE INSPECTED 24 HOURS AFTER ANY STORM OF PRECIPITATION.
10. ALL CONCRETE TRUCK WASHOUT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND MUST REMAIN WITHIN THE LIMITS OF CONSTRUCTION. THE DESIGNATED AREA SHALL BE APPROVED BY THE ENGINEER.
 - a.) A CONCRETE WASHOUT SIGN SHALL BE INSTALL WITHIN 20 FEET OF THE TEMPORARY CONCRETE TRUCK WASHOUT FACILITY. AT A MINIMUM, THE SIGN SHALL READ "CONCRETE WASHOUT" IN 6" TALL LETTERS.
 - b.) INSPECTION SHALL OCCUR ONCE A WEEK AND DAILY DURING CONCRETE OPERATIONS. REPAIR/REPLACEMENT OF THE FACILITY SHALL BE MADE SUCH THAT CONCRETE WASTE IS CONTAINED.
 - c.) THE CONCRETE WASHOUT FACILITY MUST BE CLEANED AND ALL OF THE CONTAINED MATERIALS SHALL BE REMOVED AND DISPOSED OF AT A LEGAL OFF-SITE LOCATION WHEN THE FACILITY HAS REACHED 50% CAPACITY. UPON COMPLETION OF CONCRETE OPERATIONS, THE CONCRETE TRUCK WASHOUT AND ALL MATERIALS CONTAINED WITHIN SHALL BE DISPOSED OF AT A LEGAL OFF-SITE LOCATION.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION, INSPECTION, AND MAINTENANCE OF ALL EROSION CONTROL DEVICES. ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED, REPAIRED, AND REPLACED THROUGHOUT THE ENTIRE CONSTRUCTION OF PROJECT. AFTER ACHIEVING PERMANENT VEGETATION, ALL EROSION CONTROL DEVICES SHALL BE REMOVED, ALL DRAINAGE STRUCTURES CLEANED, AND ALL AREAS DISTURBED BY INSTALLATION OF EROSION CONTROL DEVICES RESTORED.
12. SILT BASKETS SHALL BE INSTALLED AT ALL CURB STRUCTURES. SILT BASKETS SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER. COSTS FOR INSTALLATION AND CLEANING OF SILT BASKETS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR INLET FILTERS.
13. ALL PROPOSED DITCH BOTTOMS SHALL BE LINED WITH HEAVY DUTY EROSION CONTROL BLANKET AND FLOCCULATION POWDER PER SPECIFICATIONS. FLOCCULATION LOGS SHALL ALSO BE PLACED IN LOCATIONS DETERMINED BY THE ENGINEER AND PER SPECIFICATIONS.
14. PROPOSED DITCH SIDE SLOPES SHALL BE STABILIZED WITH TEMPORARY FILTER FABRIC UNTIL FINAL STABILIZATION WITH EROSION CONTROL BLANKET AND SEEDING. TEMPORARY FILTER FABRIC WILL BE MEASURED IN SQ YD AND PAID FOR AS FILTER FABRIC.
15. TEMPORARY FENCE SHALL BE INSTALLED IN LOCATIONS AS DIRECTED BY THE ENGINEER TO PREVENT ENTRY INTO SURVEYED WETLANDS.

GENERAL NOTES FOR SOIL EROSION CONTROL

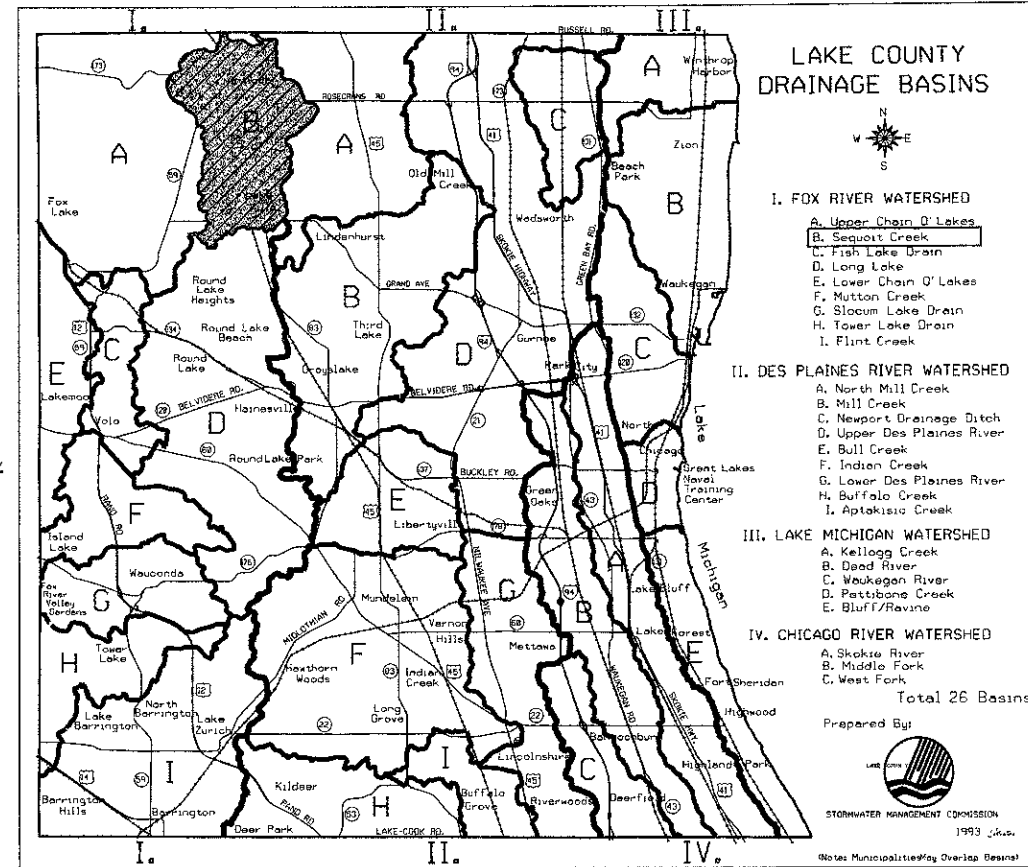
1. PERIMETER EROSION BARRIER SHALL BE INSTALLED AT LOCATIONS SPECIFIED IN PLANS AT 1 FT OUTSIDE THE TOE OF SLOPE OR INSIDE THE RIGHT-OF-WAY WHICHEVER IS CLOSER TO THE CENTERLINE, OR AS DIRECTED BY THE ENGINEER PRIOR TO THE START OF ANY EARTHWORK, CULVERT, OR STORM SEWER CONSTRUCTION.
2. THE PERIMETER EROSION BARRIER SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATION. AT THIS TIME, THE PERIMETER EROSION BARRIER SHALL BE REMOVED AND AREAS DAMAGED BY THE PERIMETER EROSION BARRIER REMOVAL SHALL BE RESTORED.
3. THE PERIMETER EROSION BARRIER INSTALLATION, MAINTENANCE, & REMOVAL ARE PAID FOR UNDER PERIMETER EROSION BARRIER. THE RESTORATION OF THE AREA DISTURBED BY THE PERIMETER EROSION REMOVAL SHALL BE INCLUDED IN THE PAY ITEM OF PERIMETER EROSION BARRIER.
4. TEMPORARY DITCH CHECKS SHALL BE SEEDDED AS SOON AS PRACTICAL AFTER CONSTRUCTION IN THAT AREA HAS CONCLUDED.
5. ALL SEEDDED AREAS SHALL BE COVERED WITH EROSION CONTROL BLANKETS.

**LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
TYPICAL CONSTRUCTION SEQUENCING**

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
 - a.) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
 - b.) SILT FENCE INSTALLATION
 2. TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
 3. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
 4. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
 5. INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
 6. TEMPORARILY STABILIZE ALL AREAS THAT HAVE REACHED TEMPORARY GRADE
 7. CONSTRUCT ROADWAY PAVEMENT AND CONCRETE CURB & GUTTER IMPROVEMENTS. MAINTAIN ALL STORM SEWER, OUTLETS, AND ASSOCIATED INLET PROTECTION DURING CONSTRUCTION.
 8. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS ESTABLISHED WITH OVER 70% VEGETATION
- SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER 1/2 INCH OR GREATER RAINFALL EVENT

EROSION CONTROL STANDARD DRAWING INDEX

LC 4202	CONCRETE WASHOUT FACILITIES
LC 2051	PERIMETER EROSION BARRIER INSTALLATION
LC 2050	TEMPORARY DITCH CHECK INSTALLATION FOR ROADWAY OR DRAINAGE DITCH
IDOT 280001-07	TEMPORARY EROSION CONTROL SYSTEMS



SP	UNIT NO.	DESCRIPTION	QUANTITY	UNIT
	20101000	TEMPORARY FENCE	250	FOOT
*	20101100	TREE TRUNK PROTECTION	14	EACH
	28000250	TEMPORARY EROSION CONTROL SEEDING	95	POUND
*	28000305	TEMPORARY DITCH CHECKS	42	FOOT
*	28000400	PERIMETER EROSION BARRIER	463	FOOT
	28000510	INLET FILTERS	26	EACH
	28100705	STONE DUMPED RIPRAP, CLASS A3	33	SQ YD
*	28200200	FILTER FABRIC	216	SQ YD
*	X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	122	SQ YD
*	X2800400	PERIMETER EROSION BARRIER, SPECIAL	989	FOOT
*	XX006658	FLOCCULATION LOGS	5	EACH
*	XX006659	FLOCCULATION POWDER	30	POUND

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY.	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING				A				A				
DORMANT SEEDING	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TEMPORARY SEEDING												
SODDING												
MULCHING	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

A. SEEDING CLASS 2A (SEE IDOT STD. SPEC. ART. 250.07 FOR SEEDING MIXTURE)
 B. TEMPORARY SEEDING (SEE IDOT STD. SPEC. ART. 280.04 f.)

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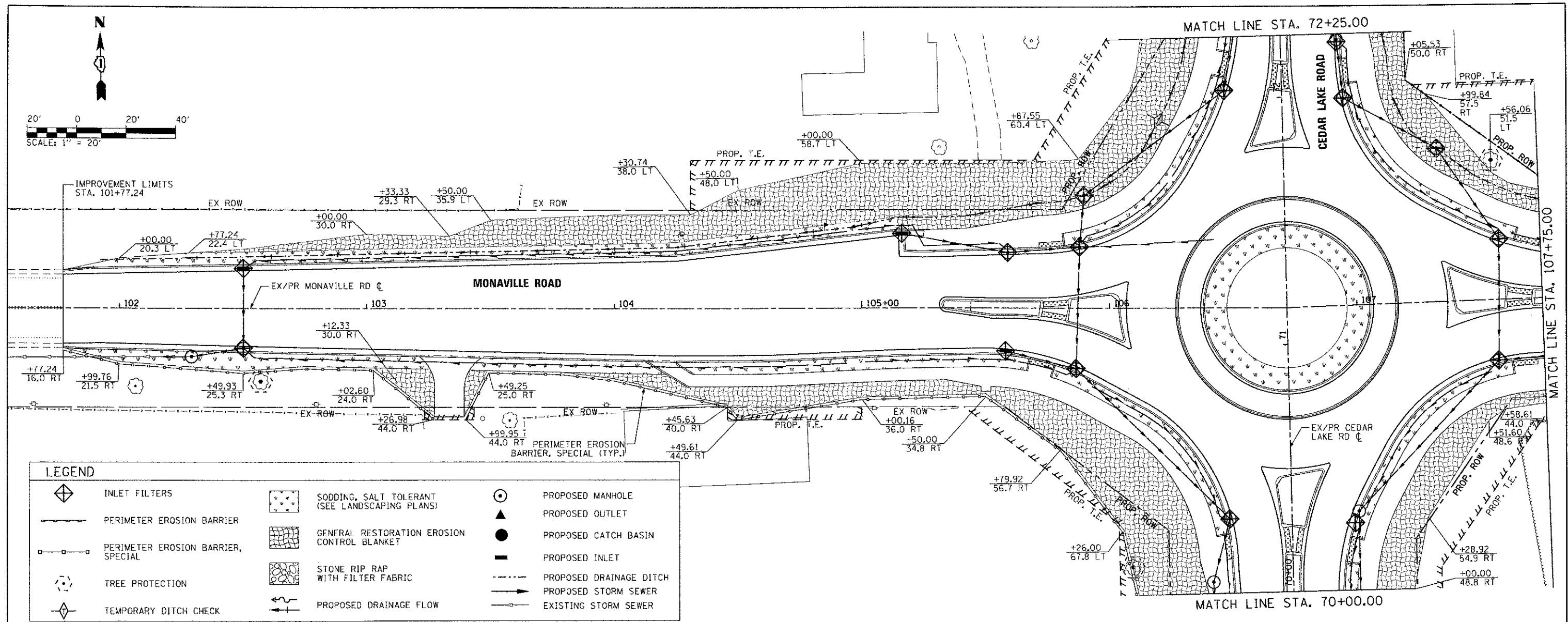
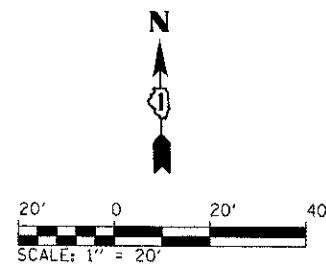
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

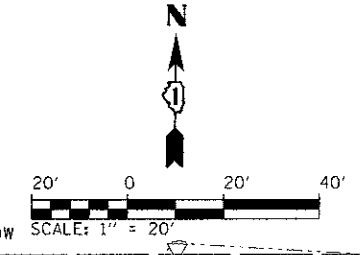
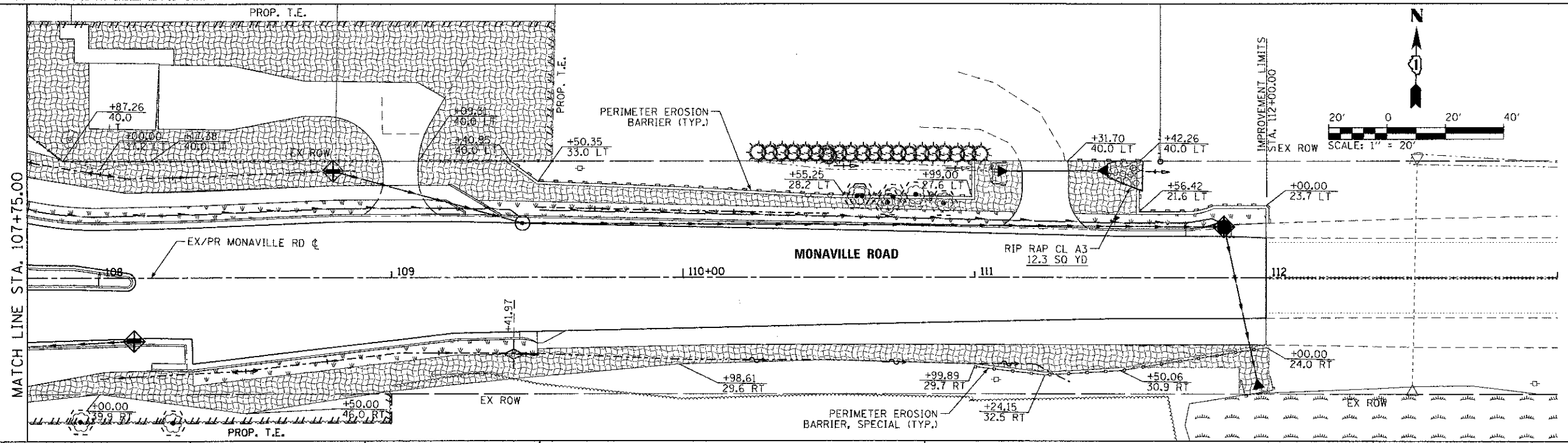
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			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 63682



LEGEND

	INLET FILTERS		SODDING, SALT TOLERANT (SEE LANDSCAPING PLANS)		PROPOSED MANHOLE
	PERIMETER EROSION BARRIER		GENERAL RESTORATION EROSION CONTROL BLANKET		PROPOSED OUTLET
	PERIMETER EROSION BARRIER, SPECIAL		STONE RIP RAP WITH FILTER FABRIC		PROPOSED CATCH BASIN
	TREE PROTECTION		PROPOSED INLET		PROPOSED DRAINAGE DITCH
	TEMPORARY DITCH CHECK		PROPOSED DRAINAGE FLOW		EXISTING STORM SEWER



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 DRAWN - SJP
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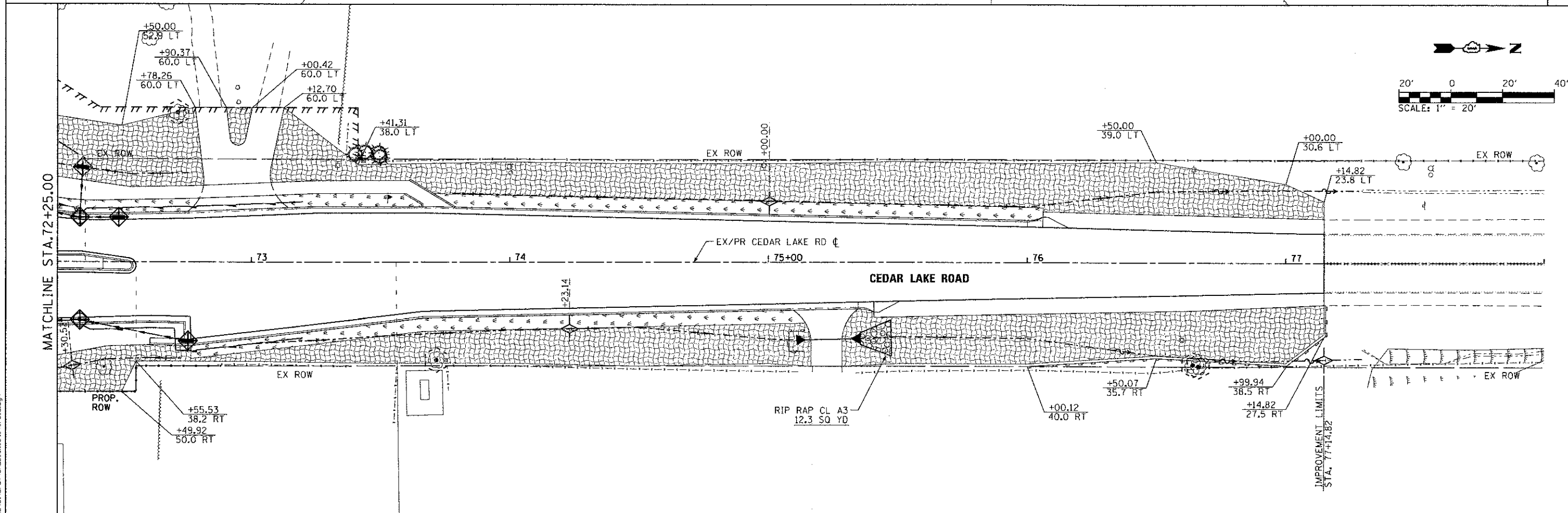
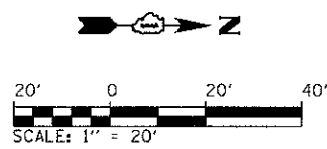
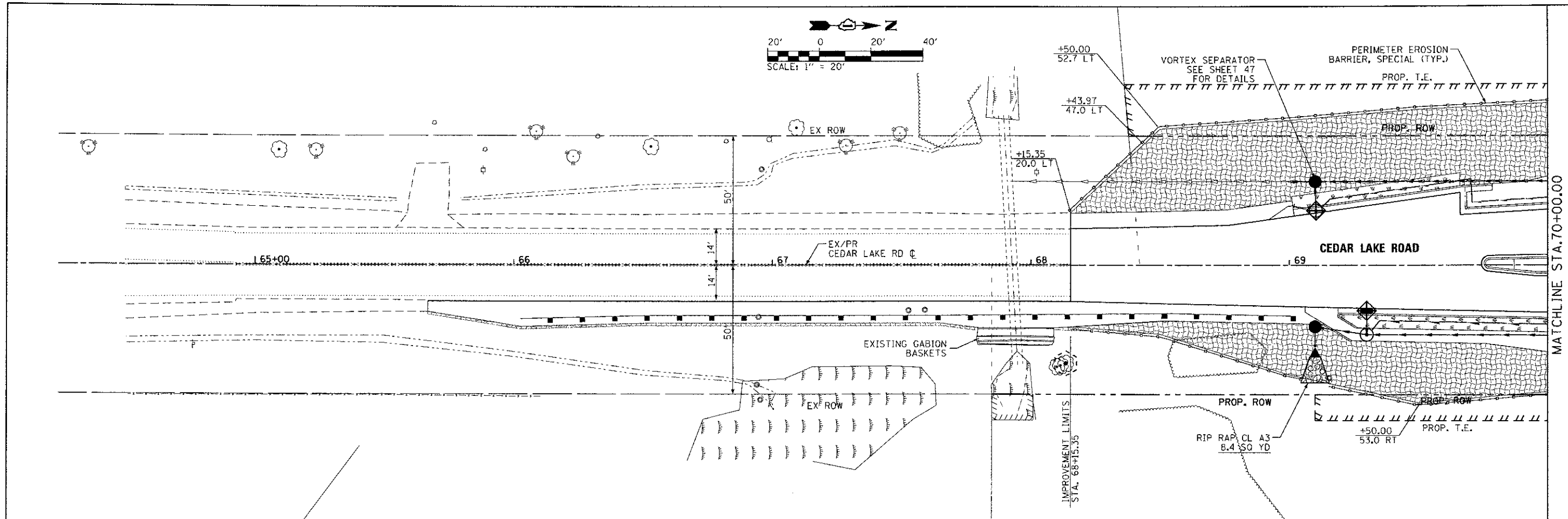
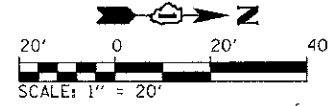
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: 20'=1" SHEET NO. 2 OF 4 SHEETS STA. 101+77.24 TO STA. 112+00.00

F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 45
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME: L:\LAKED\1122481\1p\cadd\Shoo\1s\orc\3.dgn



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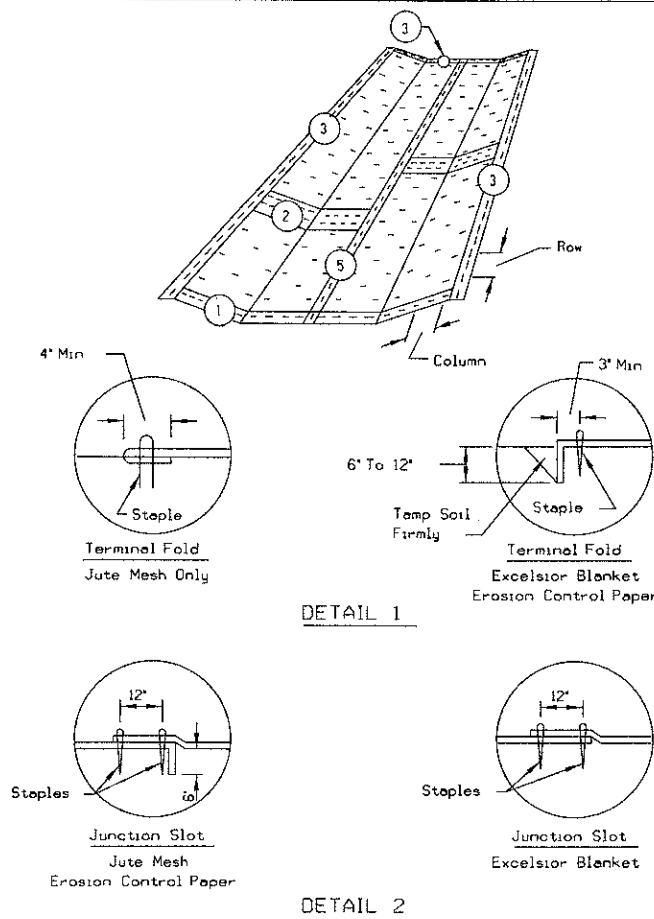
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

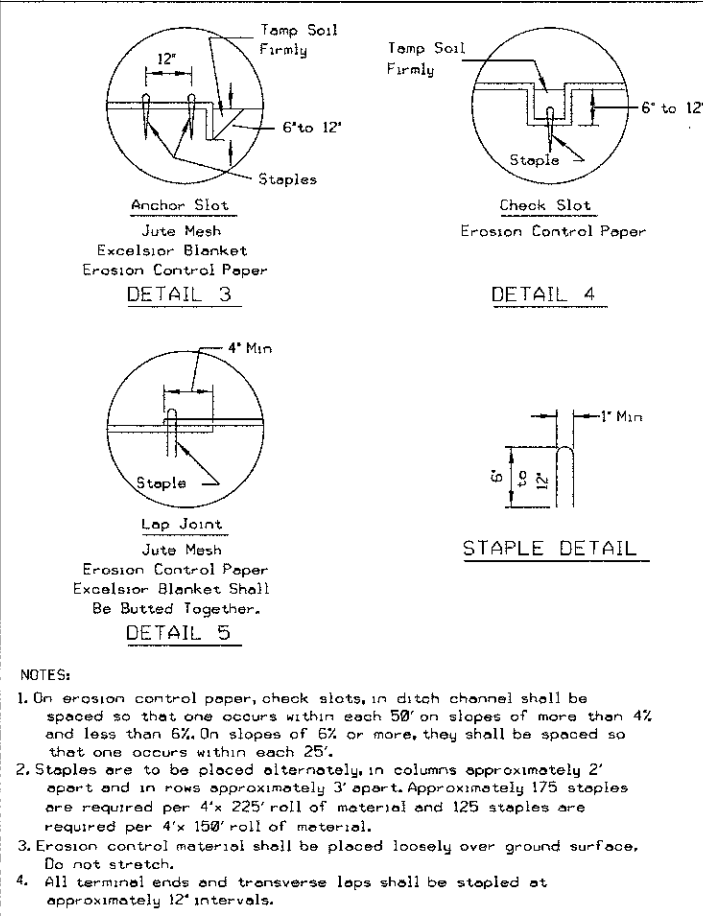
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F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 46
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

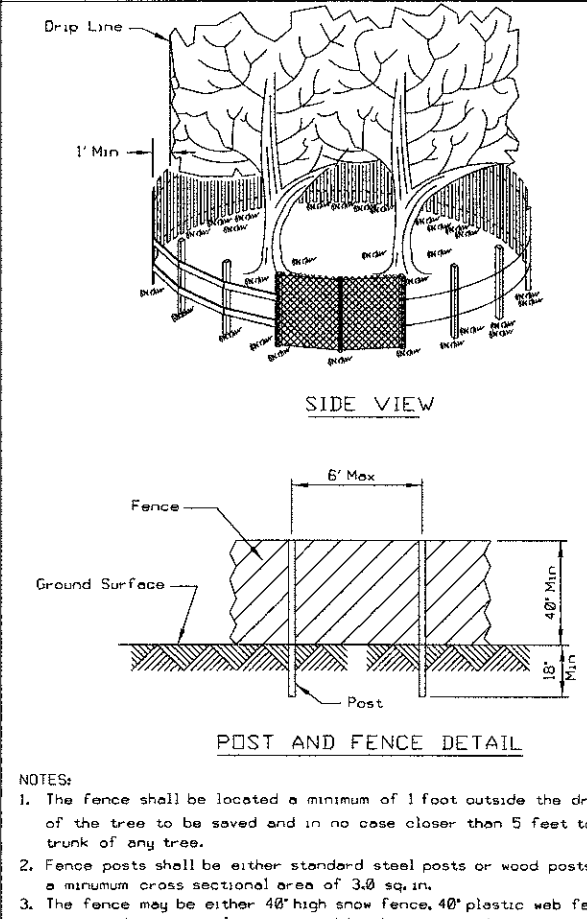
EROSION BLANKET PLAN



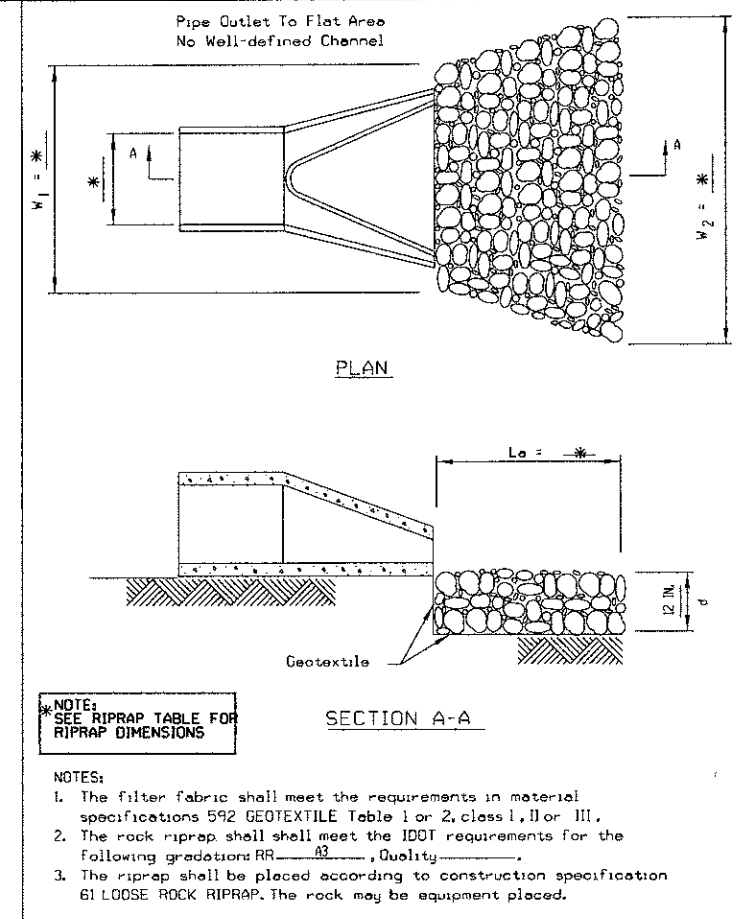
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TREE PROTECTION - FENCING



PIPE OUTLET TO FLAT AREA



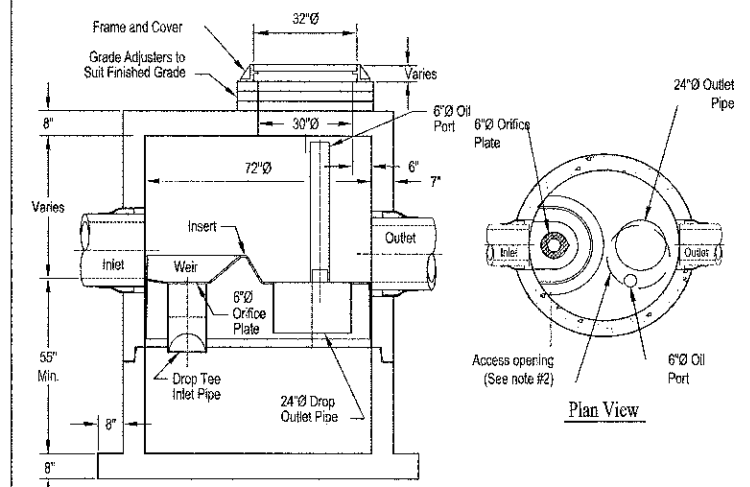
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Designed _____ Date _____		SHEET 1 OF 2
Checked _____ Date _____		DATE 5-24-94
Approved _____ Date _____		

REFERENCE Project _____ Date _____	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO. IL-530
Designed _____ Date _____		SHEET 2 OF 2
Checked _____ Date _____		DATE 3-1-95
Approved _____ Date _____		

REFERENCE Project _____ Date _____	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO. IL-690
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 4-7-94
Approved _____ Date _____		

REFERENCE Project _____ Date _____	<p>NRCS Natural Resources Conservation Service</p>	STANDARD DWG. NO. IL-610
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 9-15-93
Approved _____ Date _____		

STORMWATER TREATMENT STRUCTURES, 900 GALLONS



- Notes:
- The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
 - The Cover Should be Positioned Over The Outlet Drop Pipe and The Oil Port.
 - Structure shall be STC Precast Concrete Stormceptor (900 Gallon Capacity) or approved equal.

*Outlet Invert shall be lower than the inlet invert.

STRUCTURE LOC.	W1 (FT)	W2 (FT)	LA (FT)
STA. 111+43.14, LT.	4.5	14	12
STA. 69+10.00, RT.	4.2	11	10
STA. 75+35.48, RT.	4.5	14	12

NOTE:
SEE LAKE COUNTY STD. DETAIL NO. LC2050 FOR URETHANE FOAM/GEOTEXTILE INSTALLATION

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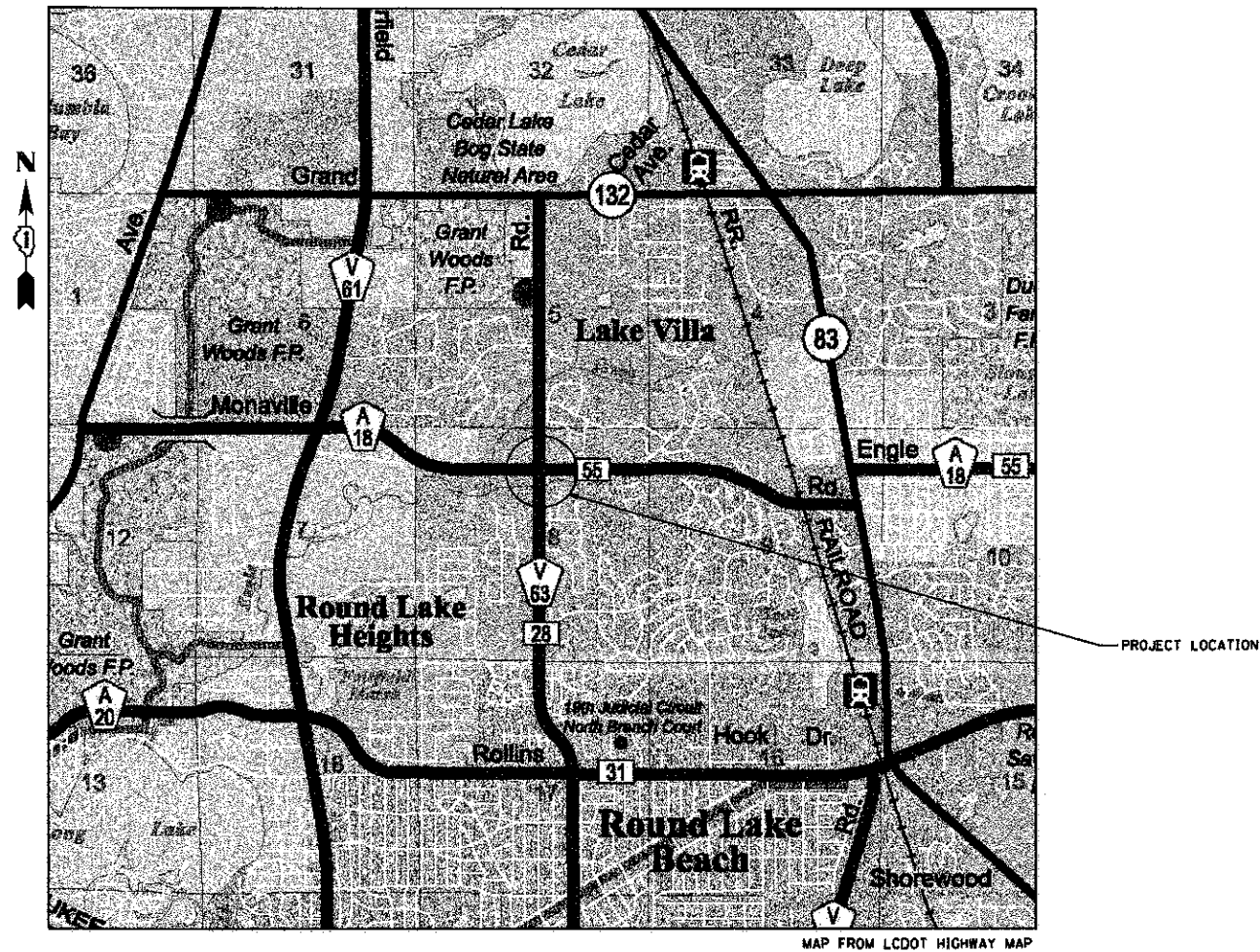
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PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE = 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N/A	SHEET NO. 4 OF 4 SHEETS	STA. N/A TO STA. N/A
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F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 47
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LOCATION MAP



MAP FROM LCDOT HIGHWAY MAP

GENERAL NOTES - ROADWAY LIGHTING

1. SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
2. LIGHTING CIRCUITS SHALL BE WIRED IN ACCORDANCE WITH THE PLANS. DEVIATIONS WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
3. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING (DECORATIVE ROCKS, PLANTS, ETC.).
4. ALL WORK SHALL CONFORM TO THE LATEST LAKE COUNTY DOT, IDOT, IDOT DISTRICT 1 STANDARDS, SPECIAL PROVISIONS, SUPPLEMENTAL SPECIFICATIONS, THE NATIONAL ELECTRICAL CODE, AND THE NATIONAL ELECTRICAL SAFETY CODE.
5. BURIED UTILITY LOCATIONS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES BEFORE STARTING WORK.
6. ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED AND LABELED.
7. ALL CONDUITS SHALL BE SEALED.
8. ALL CIRCUIT WIRES SHALL BE LABELED WITH CIRCUIT IDENTIFICATION.
9. ALL LAMPS SHALL BE 250W HPS AND SHALL BE FURNISHED AS PART OF THE CONTRACT.
10. CIRCUITS SHALL BE TESTED PER SPECIFICATION.
11. THE LOCATIONS OF ALL PROPOSED EQUIPMENT ARE ILLUSTRATED DIAGRAMMATICALLY. THE ACTUAL LOCATION IN THE FIELD SHALL MEET THE APPROVAL OF THE ENGINEER.
12. ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
13. THE CONTRACTOR MUST MAINTAIN SAFE EQUIPMENT AND WORKING CLEARANCES FROM THE EXISTING COMED OVERHEAD ELECTRIC LINES. THE CONTRACTOR SHALL PLAN HIS WORK CONSIDERING COMED'S LINES TO BE IN SERVICE AND ENERGIZED THROUGHOUT THE CONSTRUCTION PERIOD.
14. GROUNDING CONDUCTORS SHALL BE CONTINUOUS.
15. ALL NEW UNIT DUCTS AND UNDERGROUND CONDUITS SHALL BE PLACED A MINIMUM OF 30" BENEATH THE GROUND SURFACE (FINAL GRADE), UNLESS NOTED OTHERWISE.
16. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING INSTALLATIONS AND DATA PRIOR TO BIDDING.

ABBREVIATIONS

A	AMPS
DIA	DIAMETER
C	CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION
DCO	DUPLEX CONVENIENCE OUTLET
GND	GROUND
FT	FEET
HPS	HIGH PRESSURE SODIUM
IDOT	ILLINOIS DEPARTMENT OF TRANSPORTATION
LT	LEFT
MH	MOUNTING HEIGHT
P	PUSHED
PC	PHOTOCELL CONTROL
PH	PHASE
PTZ	PAN / TILT / ZOOM
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
RT	RIGHT
STA	STATION
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
W	WATTS
W	WIRES

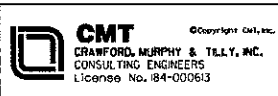
ROADWAY LIGHTING LEGEND

DESCRIPTION	PROPOSED	EXISTING
ROADWAY LIGHT POLE AND LUMINAIRE TYPE 1: 250W HPS LUMINAIRE, 30 FT POLE, 8 FT MAST ARM TYPE 2: 250W HPS LUMINAIRE, 30 FT POLE, 15 FT MAST ARM		
LIGHTING CONTROLLER, 100 AMP, 480V		
UTILITY POLE (PROPOSED - BY OTHERS)		
PROPOSED ROADWAY LIGHTING HANDHOLE		
UNIT DUCT		
RIGID GALVANIZED STEEL CONDUIT, PUSHED CONTAINING PULLED-IN UNIT DUCT		
PROPOSED 3" GRS CONDUIT, IN TRENCH		
PROPOSED 1" DIA. POLYETHENINE WITH (3) 1/C #6 AND (1) 1/C #6 GND. (XLP-TYPE USE).		
RIGHT OF WAY		
GROUND ROD		
REMOTE CONTROLLED VIDEO SYSTEM, LAYER II SWITCH, VIDEO ENCODER, CCTV CABINET, WIRELESS VIDEO DISTRIBUTION SYSTEM, AND CAT 6 ETHERNET CABLE		

PLAN NOTES - ROADWAY LIGHTING

1. PROPOSED UTILITY POLE SHALL BE INSTALLED BY COMED. CONTRACTOR SHALL INSTALL CONDUIT, GROUNDING, DISCONNECT ANY SECONDARY CONDUCTORS TO THE UTILITY POLE. COORDINATE ALL WORK WITH COMMONWEALTH EDISON. REFER TO LIGHTING CONTROLLER DETAIL.
2. PROPOSED ROUTING OF CONDUIT AS SHOWN FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY EXACT ROUTING IN THE FIELD.
3. ALL SPLICES SHALL BE HEAT SHRINK AND WATERPROOF, INSTALLED INSIDE POLE BASE OR HANDHOLES. NO DIRECT BURIED SPLICES SHALL BE ALLOWED.
4. REFER TO IDOT STANDARD 814001-02 FOR HANDHOLE DETAILS.
5. PROPOSED 1" DIA. UNIT DUCT WITH (2) 1/C #10 AND (1) 1/C #10 GND. (XLP-TYPE USE) FOR CCTV AND WIRELESS VIDEO DISTRIBUTION SYSTEM POWER.
6. LIGHTPOLES SHALL BE PLACED WITH 3.5' OFFSET FROM THE BACK OF CURB TO THE CENTER OF THE LIGHTPOLE FOUNDATION. IF LIGHTPOLE NEEDS TO BE PLACED IN A DIFFERENT LOCATION THE RESIDENT ENGINEER WILL DETERMINE THE FINAL LOCATION.
7. CONTRACTOR SHALL PROVIDE THREADED CAPS FOR BOTH 3" CONDUITS AT ROUNDABOUT ISLAND. COST SHALL BE INCLUDED IN THE COST OF "UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA."

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PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING AND CCTV PLAN
GENERAL NOTES, LEGEND AND SHEET INDEX

SCALE: N.T.S.	SHEET NO. 1 OF 9 SHEETS	STA. N/A TO STA. N/A	F.A.U. R.T.E. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 48
						CONTRACT NO. 63682	
						ILLINOIS FED. AID PROJECT	

**LCDOT - CEDAR LAKE ROAD AT MONAVILLE ROAD
FINAL SCHEDULE OF QUANTITIES
LIGHTING AND CCTV**

SP	SPECIALTY ITEM	PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY
*	+	80400100	ELECTRICAL SERVICE INSTALLATION	EACH	1
*	+	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
	+	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	50
	+	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	761
	+	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	32
	+	81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	200
	+	81400100	HANDHOLE	EACH	7
	+	81603045	UNIT DUCT, 600V, 3-1/C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	3080
	+	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	624
	+	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	56
	+	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	168
	+	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	18
	+	82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480 VOLT, 100 AMP	EACH	1
*	+	83060120	LIGHT POLE, GALVANIZED STEEL, 30 FT. M.H., 8 FT. MAST ARM	EACH	15
*	+	83060150	LIGHT POLE, GALVANIZED STEEL, 30 FT. M.H., 15 FT. MAST ARM	EACH	3
*	+	83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	234
	+	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	18
*	+	X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	1
*	+	X0326463	WIRELESS DISTRIBUTION SYSTEM	L SUM	1
*	+	X0326812	CAT 5 ETHERNET CABLE	FOOT	50
*	+	XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
*	+	XX006655	LAYER II (DATALINK) SWITCH	EACH	1
*	+	XX008253	VIDEO ENCODER	EACH	1
*	+	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	1

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LIGHTING AND CCTV PLAN
SCHEDULE OF QUANTITIES**

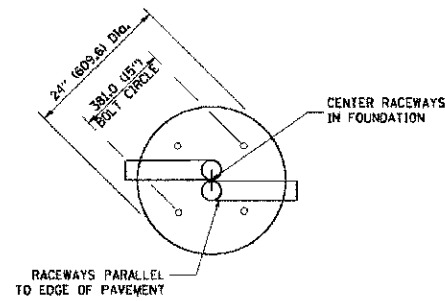
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

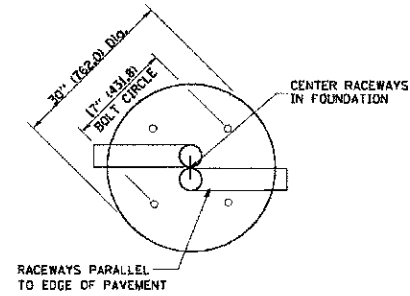
CONTRACT NO. 63682

LIGHT POLE FOUNDATION DEPTH TABLE
 12.192 FT. (3.712 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

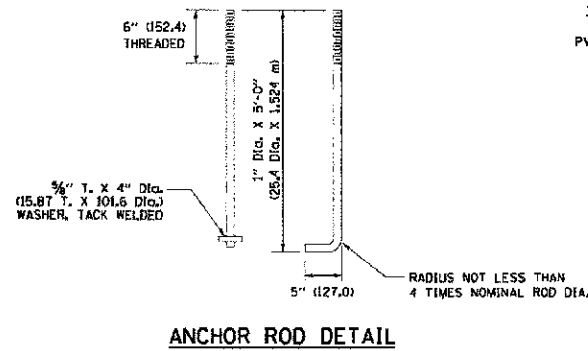
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Du = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Du = 0.75 TON/SQ.FT.	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY Du = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



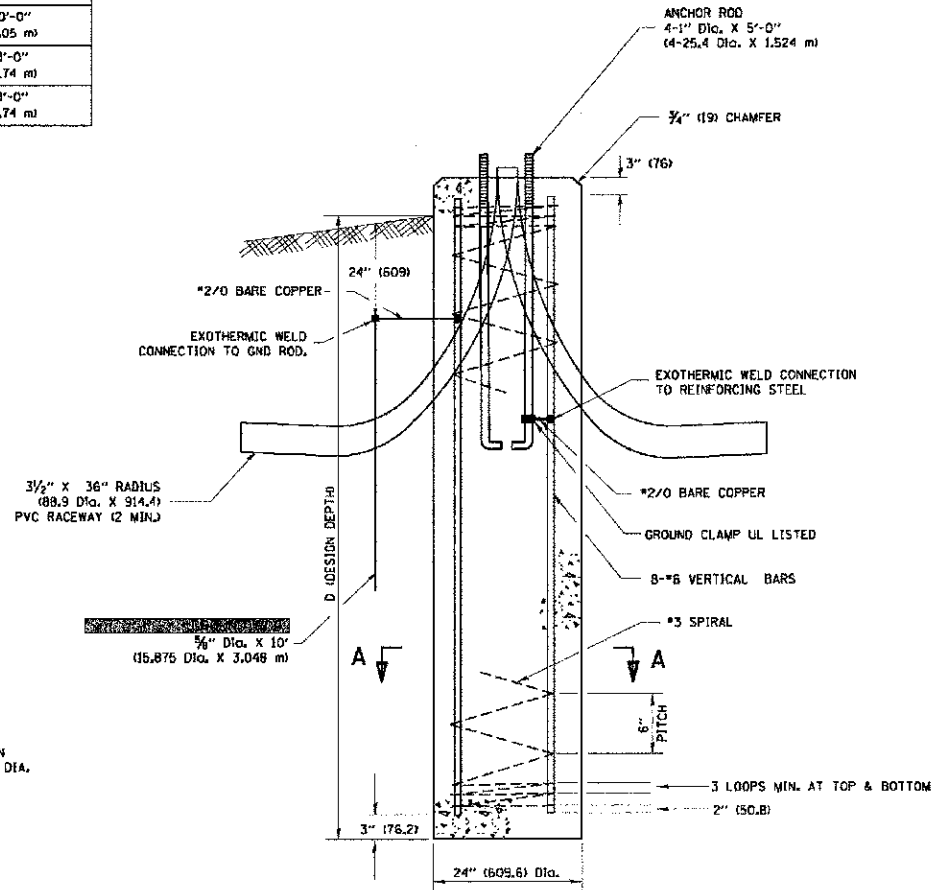
TOP VIEW



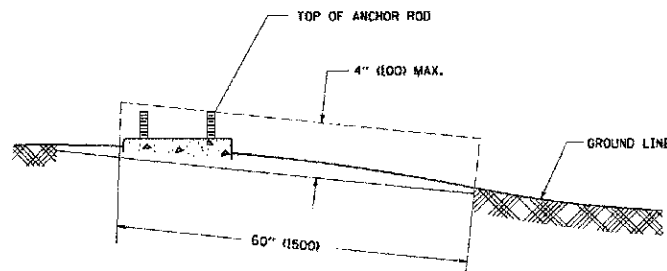
TOP VIEW



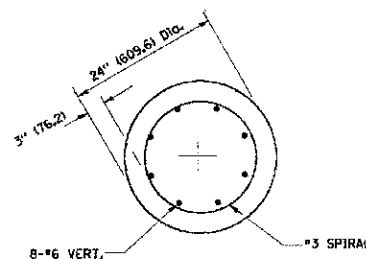
ANCHOR ROD DETAIL



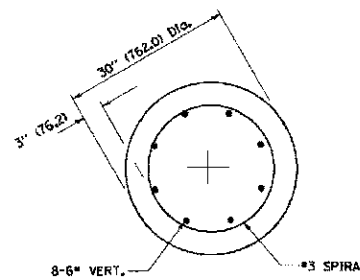
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



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 100MM (4 IN.) 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 SJ. 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 D4, 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 UMG (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.

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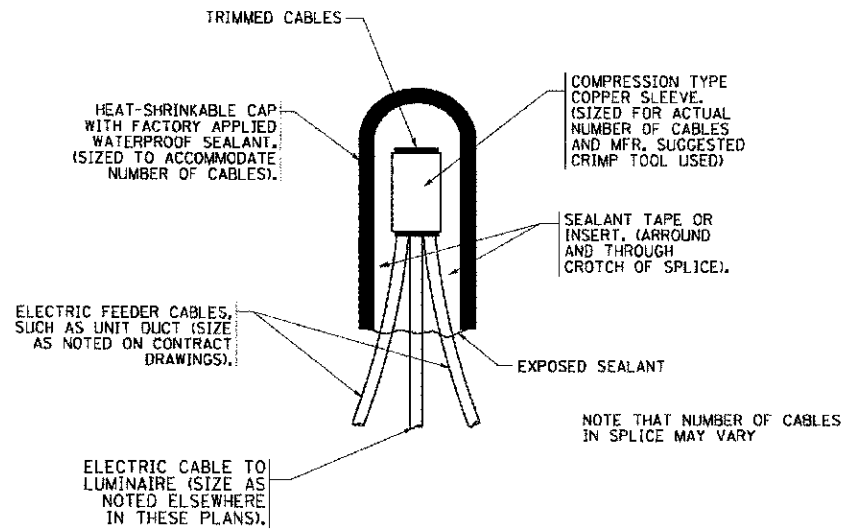
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PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LIGHTING AND CCTV PLAN
 ELECTRICAL DETAILS
 LIGHT POLE FOUNDATION**

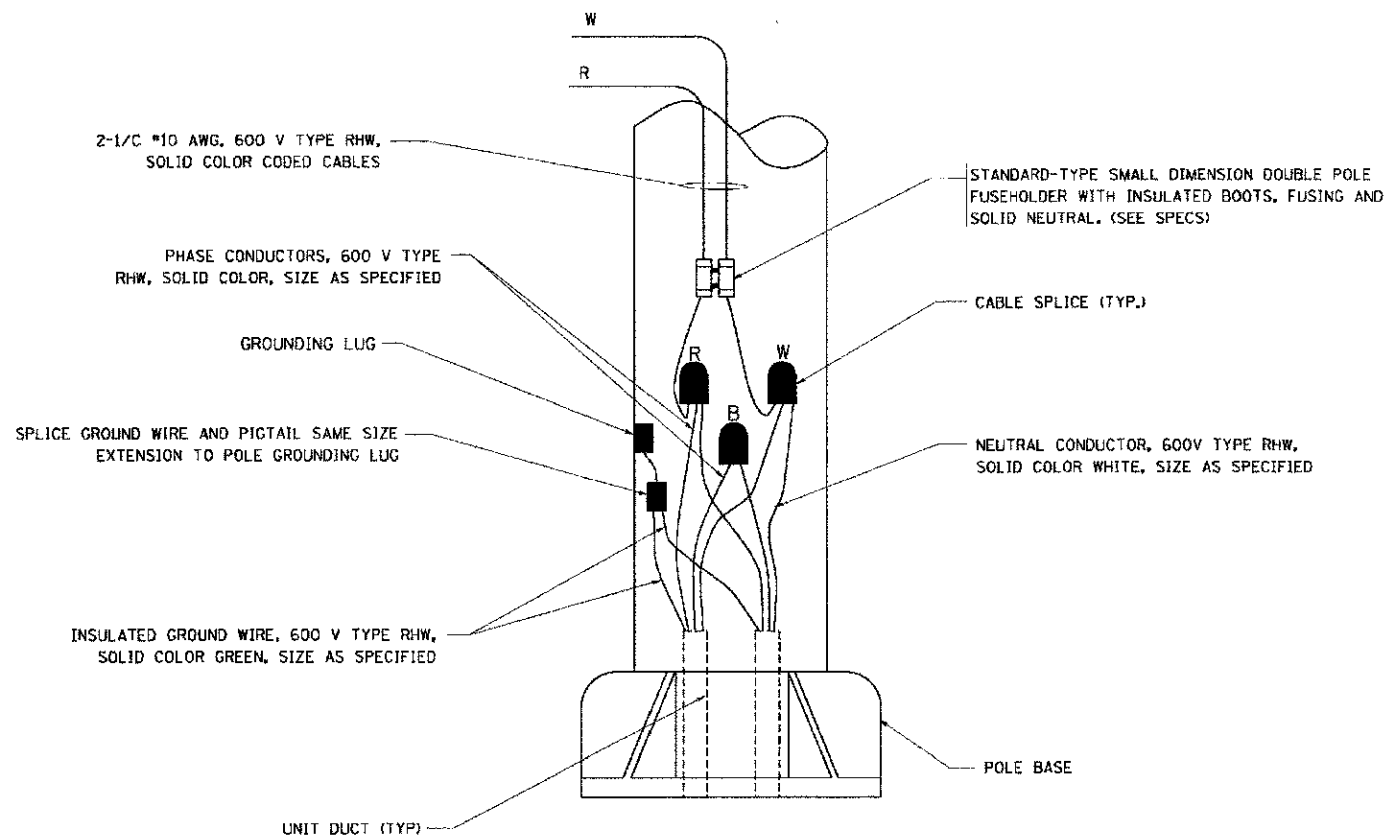
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



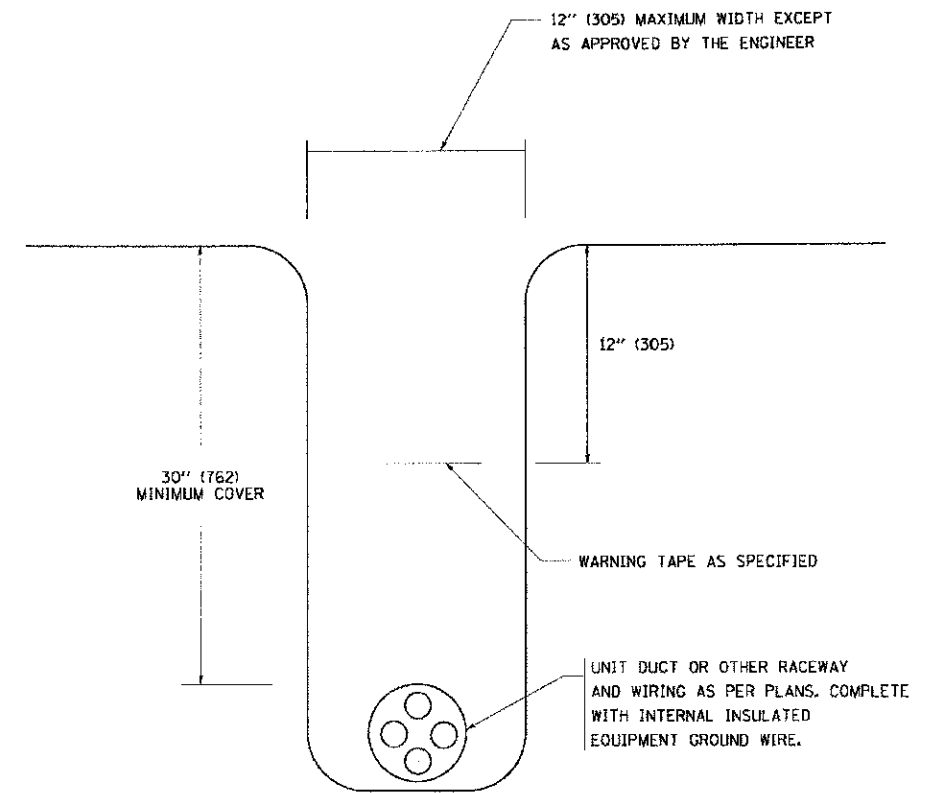
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.

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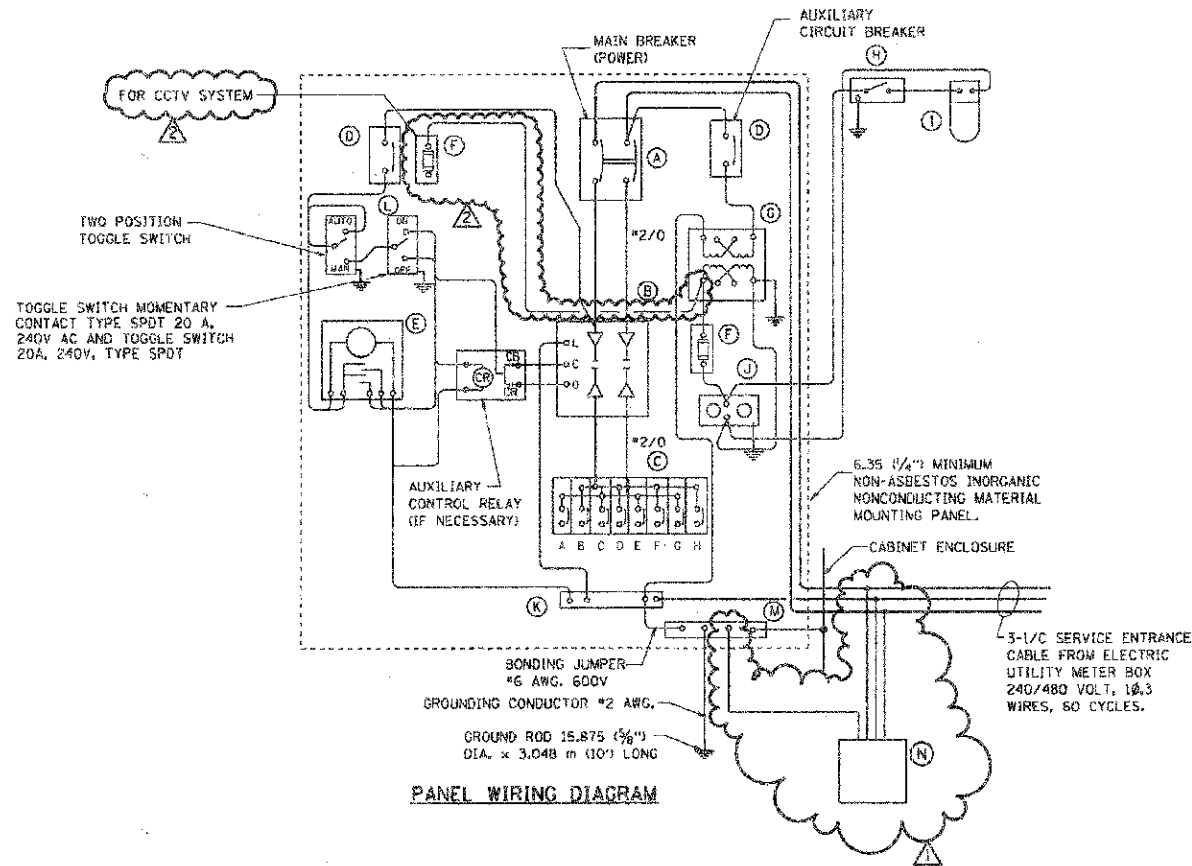
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PLOT DATE = 11/12/2012	DATE = 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING AND CCTV PLAN
ELECTRICAL DETAILS

SCALE: N.T.S. SHEET NO. 4 OF 9 SHEETS STA. N/A TO STA. N/A

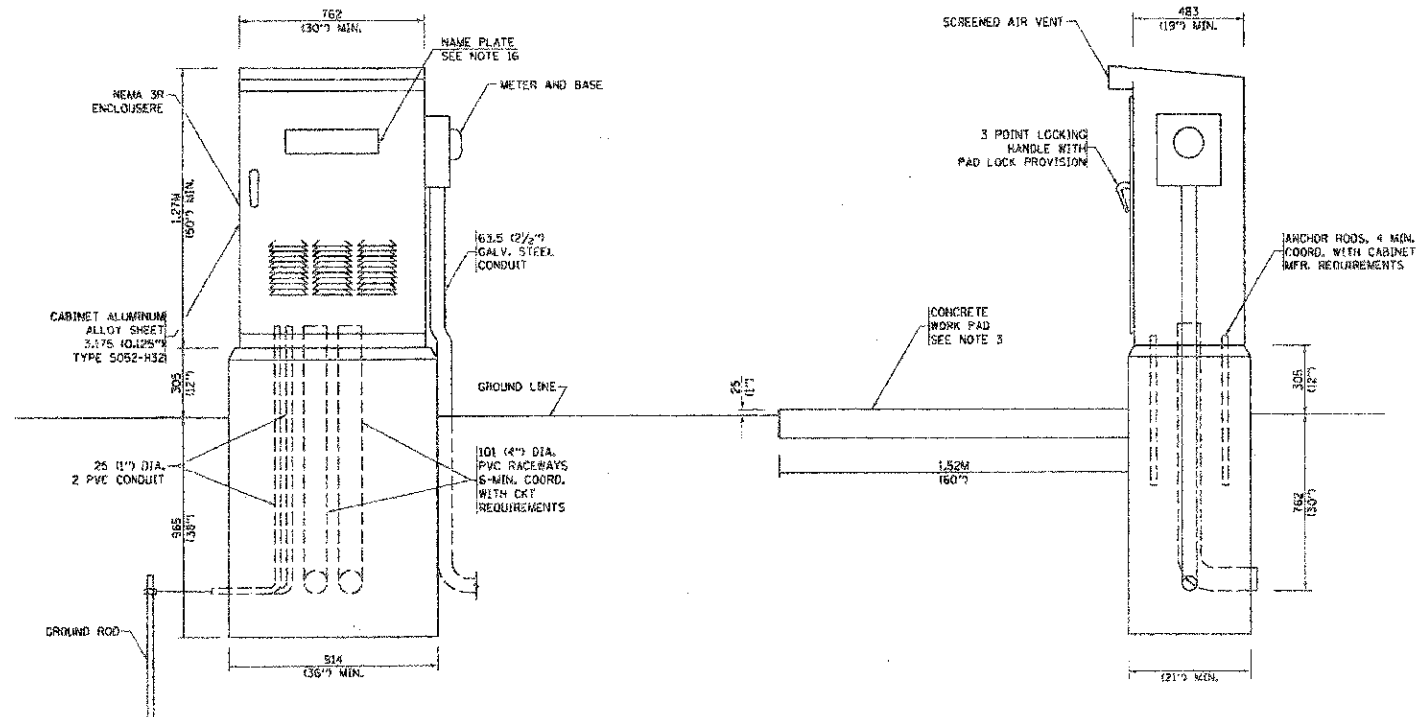
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CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PANEL WIRING DIAGRAM

PANEL EQUIPMENT

BILL OF MATERIAL		
ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 125AMP, FRAME, 100AMP, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 480 VOLT.
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 200 AMP., 600 VOLTS CONTROL CIRCUIT 240 VOLT.
C	8	CIRCUIT BREAKERS, 1 POLE, 100AMP, FRAME, 50 AMP, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 240 V., 100AMP, FRAME, 15AMP, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP. AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER (TIME SWITCH).
F	2	20 A., 120 V. FUSE.
G	1	3.0 KVA, SINGLE PHASE, ENCAPSULATED TRANSFORMER 240 X 480 / 120 X 240 VOLT, 60 HZ.
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER GROUND BUS 6.35 (1/4) X 25.4 (1) X 304.8 mm (12) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	1	TOGGLE SWITCHES MOUNTED IN 101.6 (4) X 101.6 mm (4) BOX.
M	1	COPPER GROUND BUS 6.35 (1/4) X 25.4 (1) X 304.8 mm (12) LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS
N	1	BRACKET MOUNTED SURGE ARRESTER FOR 480/240V, 3W, SERVICE GE "TRANQUEL" CAT# 9L15ECB001



NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 50.8 mm (2) TOP SOIL LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 914.4 mm (36) X 18,288 mm (80) X 101 mm (4) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 6.35 mm (1/4) DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED
- THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED.
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL"
- 304.8 (12) X 406.4 mm (16) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "LAKE COUNTY DIVISION OF TRANSPORTATION".

MODIFIED BE-215

- MODIFIED 09/16/09
- MODIFIED 12/28/09

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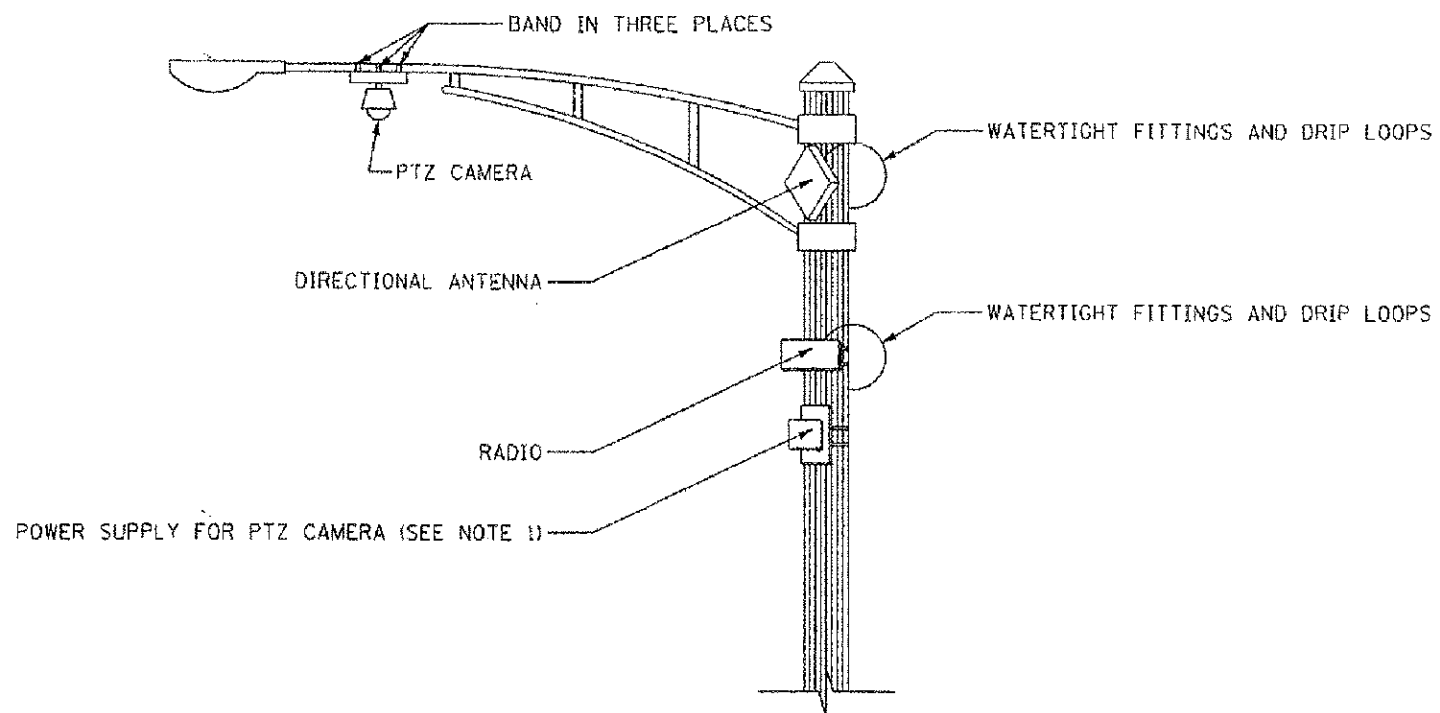


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	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING AND CCTV PLAN
ELECTRIC DETAILS
LIGHTING CONTROLLER SINGLE DOOR

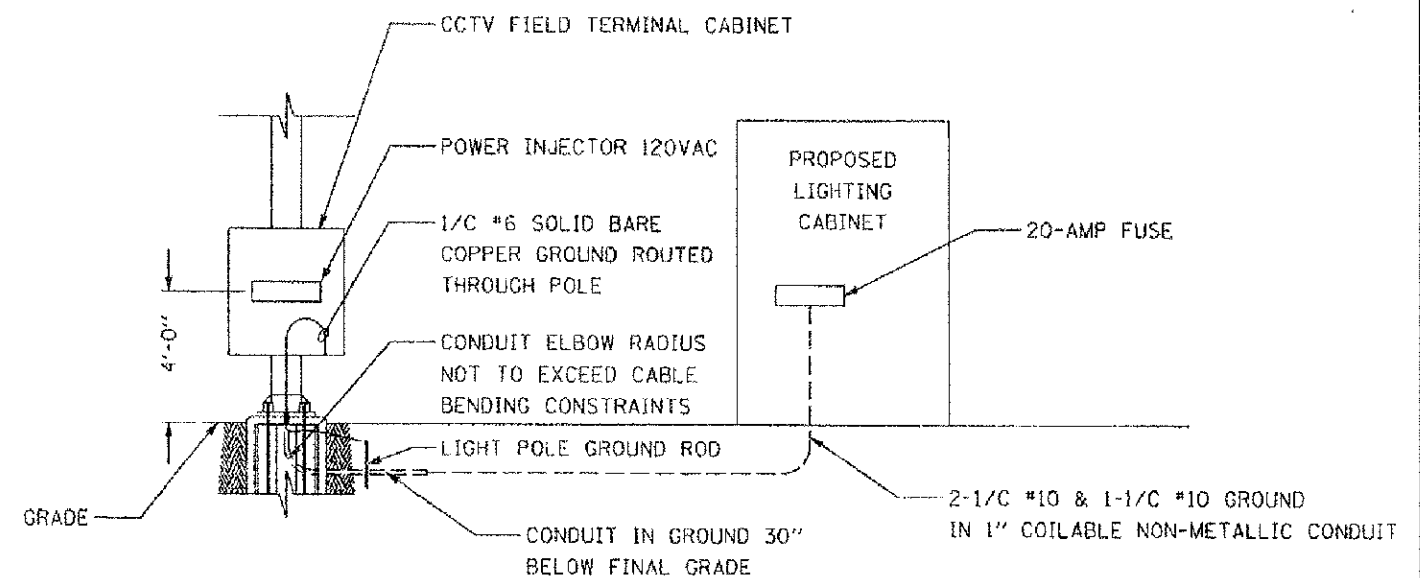
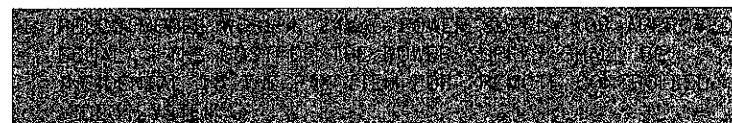
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			CONTRACT NO. 63682		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



WIRELESS ANTENNA, RADIO, AND DOME (PTZ) CAMERA MOUNTING DETAIL

(NOT TO SCALE)

NOTES:



CAMERA, WIRELESS ANTENNA, AND RADIO INSTALLATION ON CAMERA MOUNTING ASSEMBLY DETAIL

(NOT TO SCALE)

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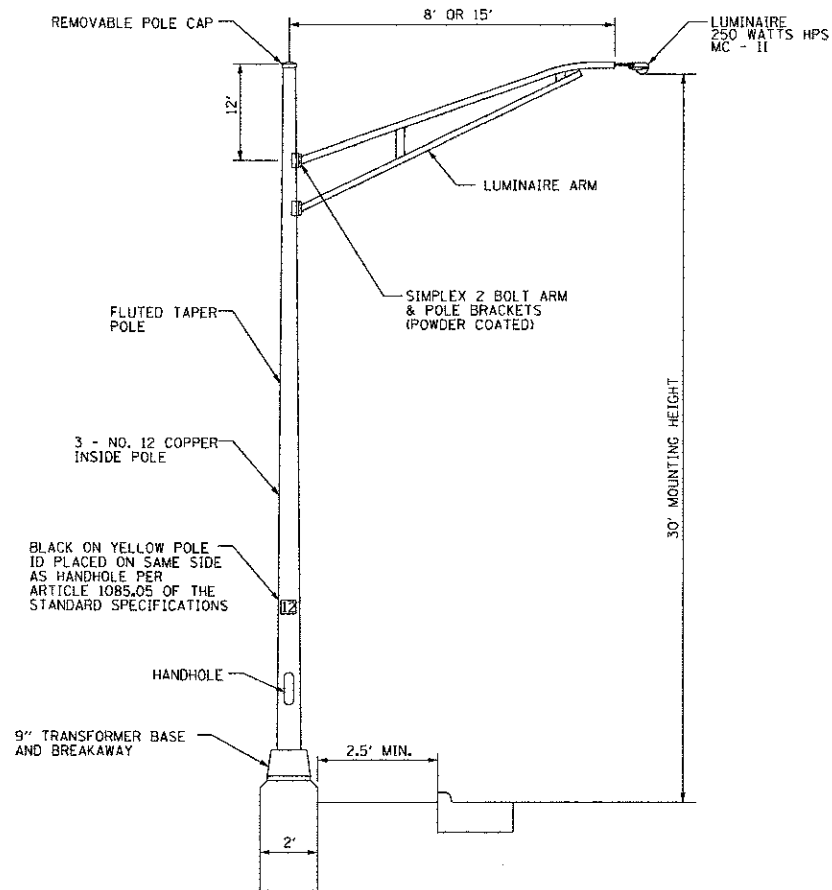
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PLOT DATE = 11/12/2012	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING AND CCTV PLAN
PTZ CAMERA AND WIRELESS TRANSMISSION DETAILS

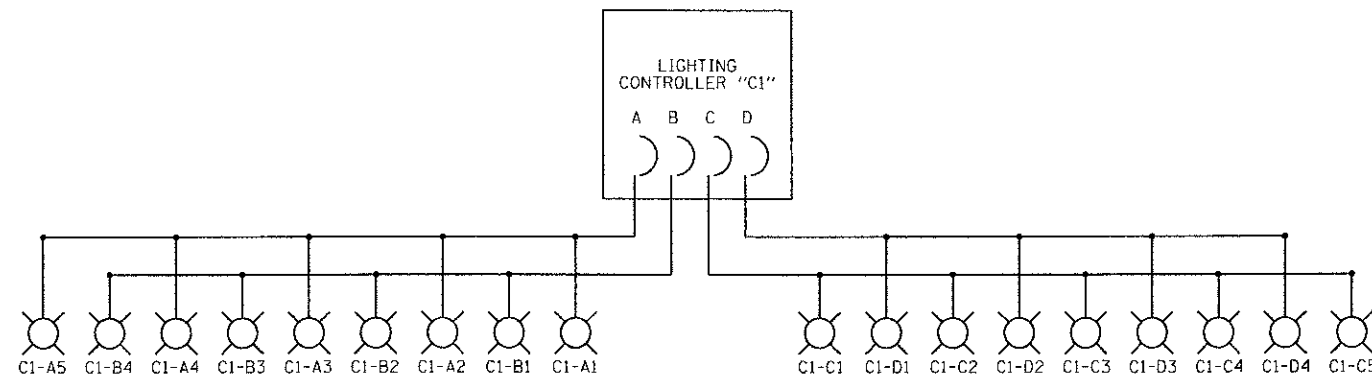
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	53
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63682	



LIGHT POLE

TYPE I - LIGHT POLE, GALVANIZED STEEL, 30 FT. M.H., 8 FT. MAST ARM
 TYPE II - LIGHT POLE, GALVANIZED STEEL, 30 FT. M.H., 15 FT. MAST ARM



ROADWAY LIGHTING CONTROLLER "C1" ONE-LINE

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	POLE	LAMP	VOLTAGE
1	ROADWAY SERIES 125, TYPE II MEDIUM CUT OFF. CATALOG 125-25/5-RN-240-R2-FG	AMERICAN ELECTRIC LIGHTING	STERNBERG 30 FT. M.H. 8 FT. LUMINAIRE ARM ON CONCRETE FOUNDATION	250W H.P.S.	240V
2	ROADWAY SERIES 125, TYPE II MEDIUM CUT OFF. CATALOG 125-25/5-RN-240-R2-FG	AMERICAN ELECTRIC LIGHTING	STERNBERG 30 FT. M.H. 15 FT. LUMINAIRE ARM ON CONCRETE FOUNDATION	250W H.P.S.	240V

**PANEL SCHEDULE AND LOAD TABULATION
 LIGHTING CONTROLLER C-1
 240/480 VAC, 1-PHASE, 3-WIRE**

MAIN BREAKER: 100A

CIRCUIT	BREAKER TRIP AMPS	KW		AMPS
		BLACK	RED	
A	50	1.25	-	6.5
B	50	-	1.0	5.2
C	50	1.25	-	6.5
D	50	-	1.0	5.2
SPARE	50	-	-	-
SPARE	50	-	-	-
SUBTOTAL		2.5	2.0	-
TOTAL		4.5		11.7

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PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

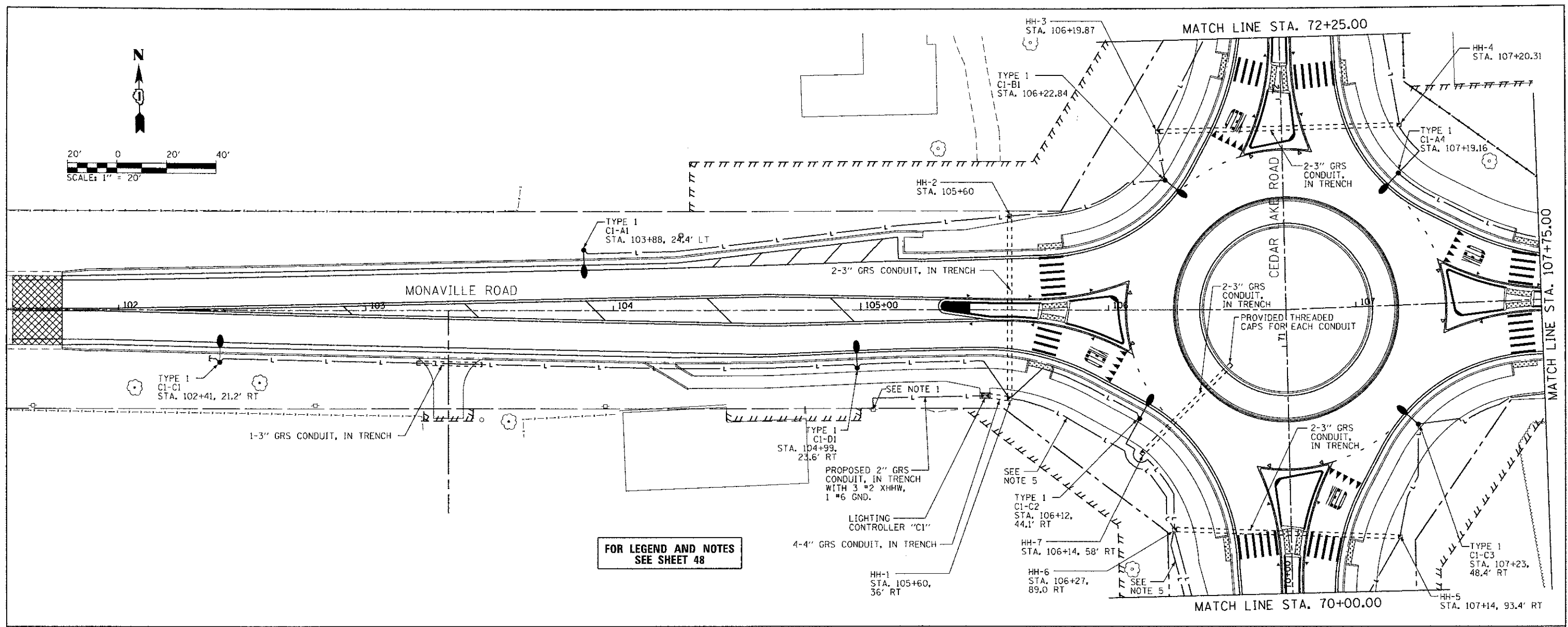
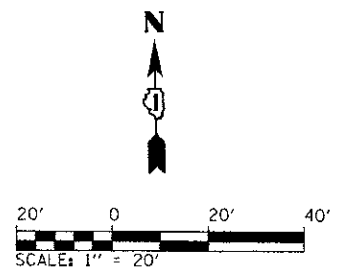
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LIGHTING PLAN
 ELECTRICAL DETAILS**

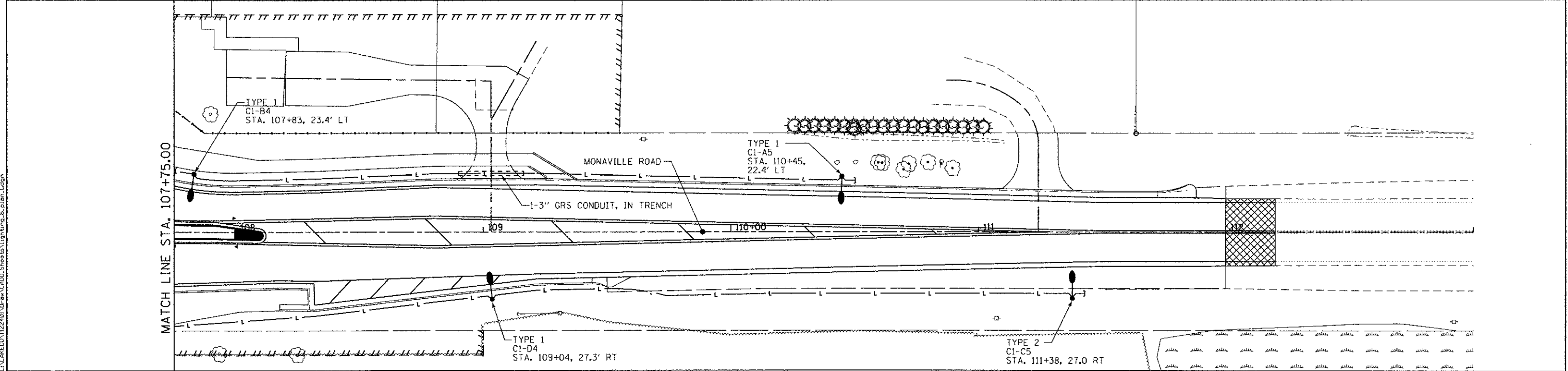
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F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 54
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 63682

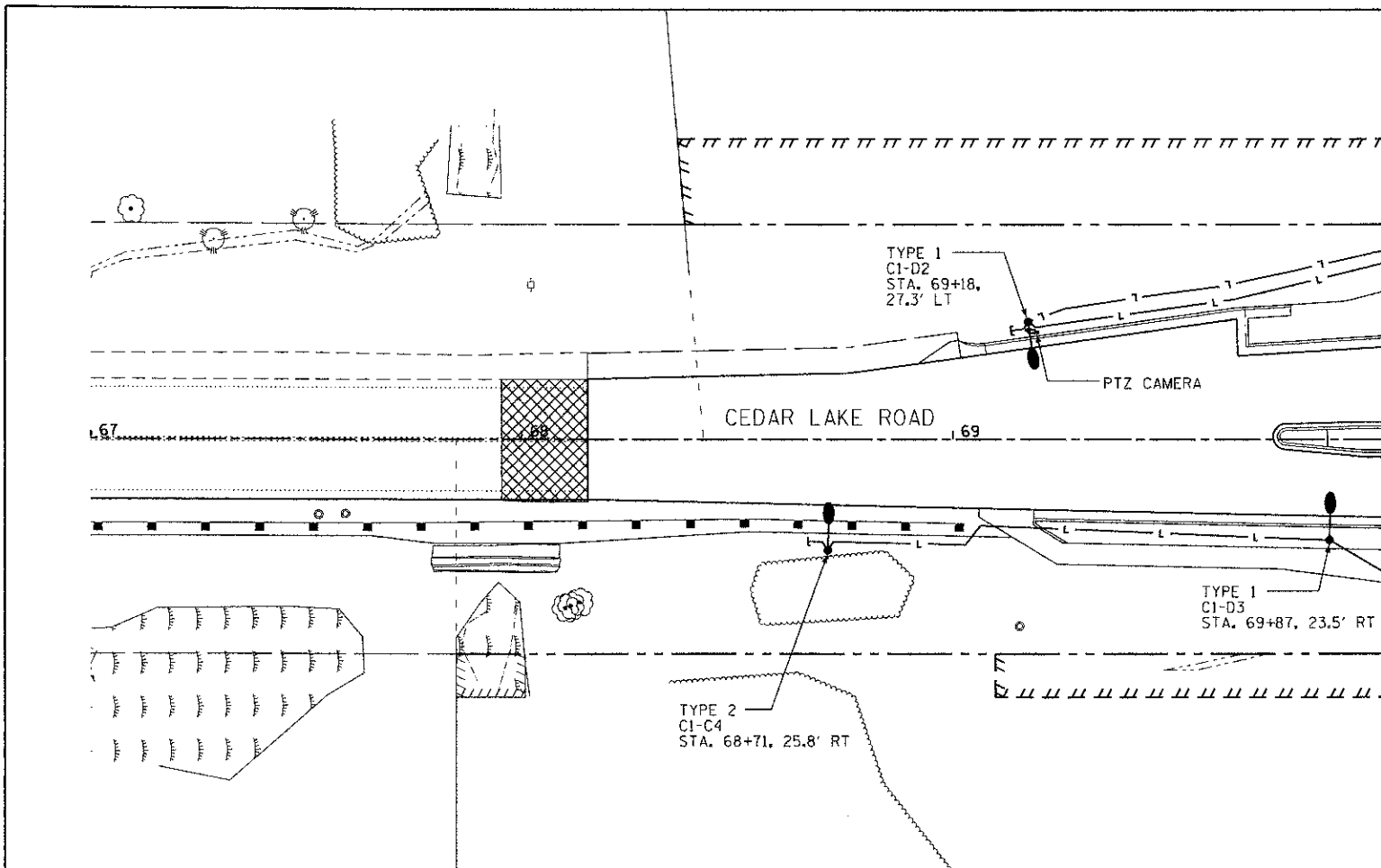


FOR LEGEND AND NOTES
SEE SHEET 48



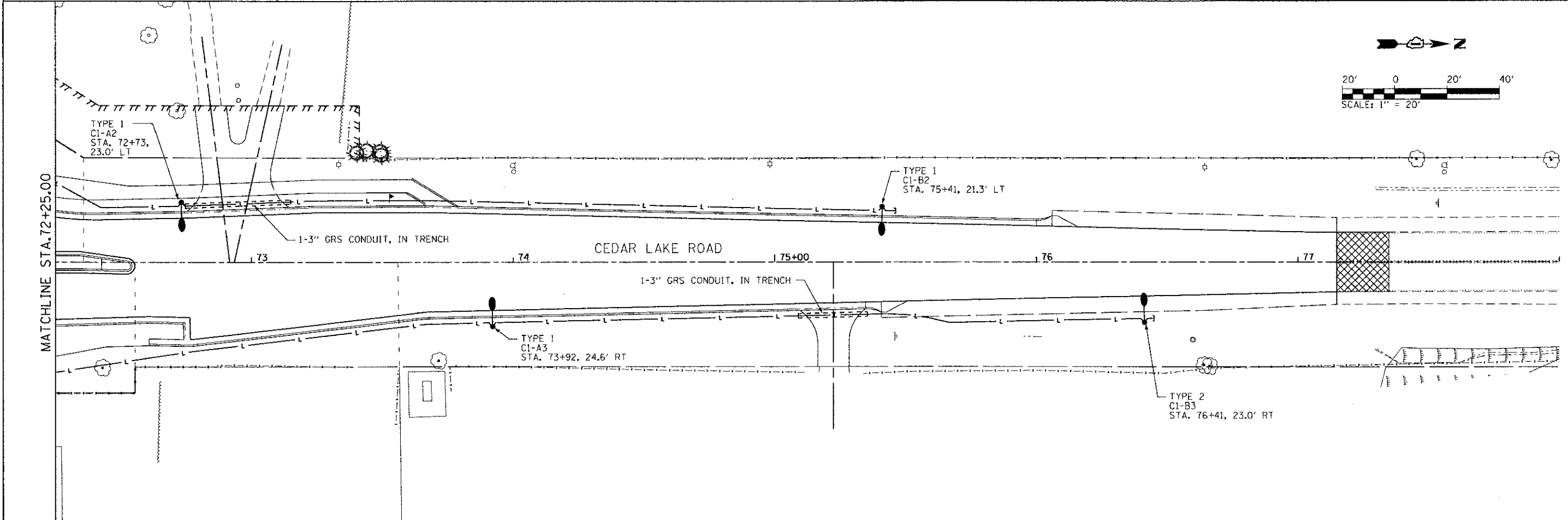
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	PLOT SCALE = 40,0000 1/4 in.	DRAWN - MNB	REVISED -		0192	06-00153-07-CH	LAKE	120	55		
	PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -		SCALE:		SHEET NO. 8 OF 9 SHEETS	STA.	TO STA.	CONTRACT NO. 63682	
	DATE = 10/22/2012	REVISOR -	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			



MATCHLINE STA.70+00.00

FOR LEGEND AND NOTES
SEE SHEET 48



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CMT
CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 084-00063

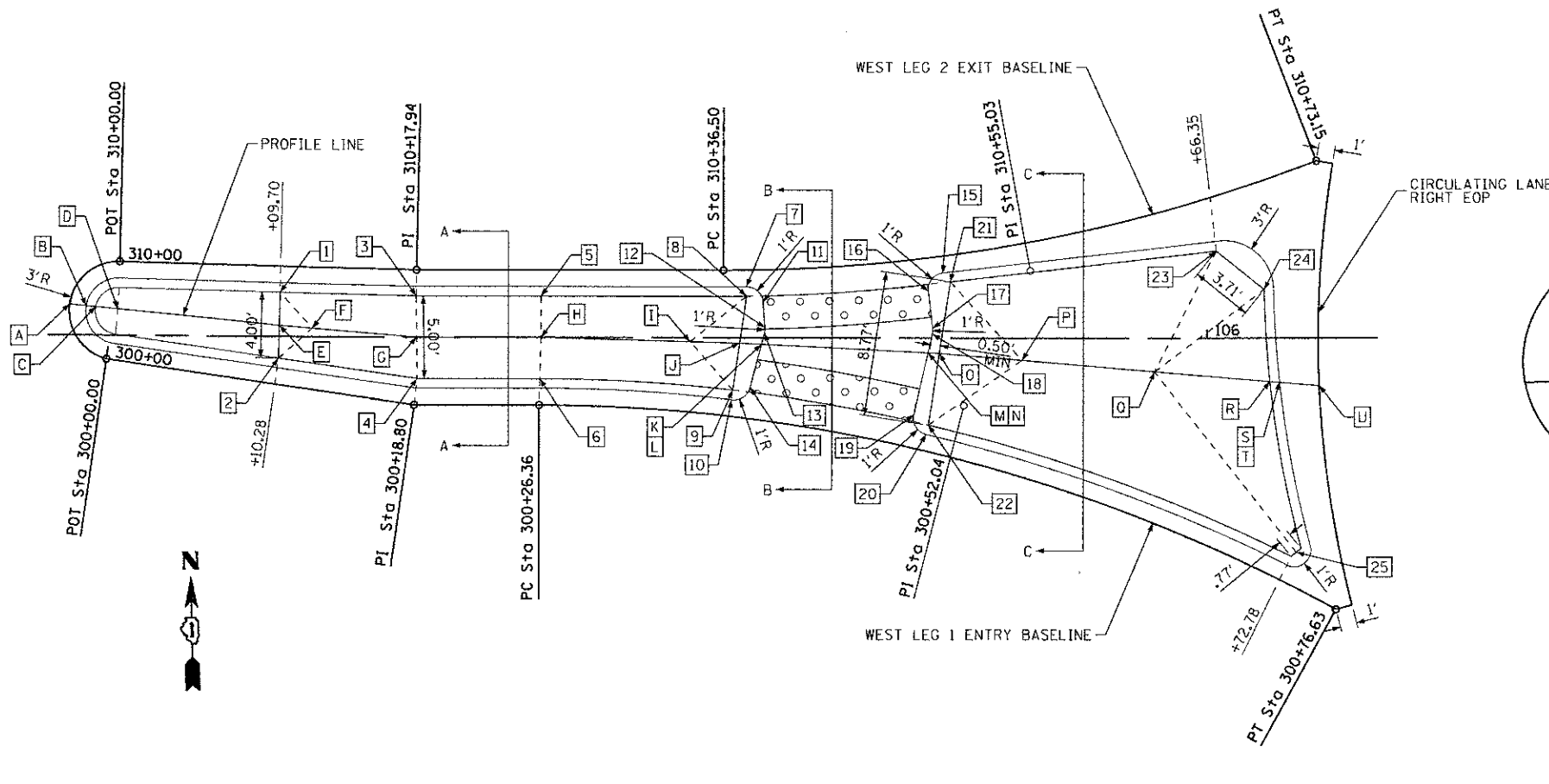
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

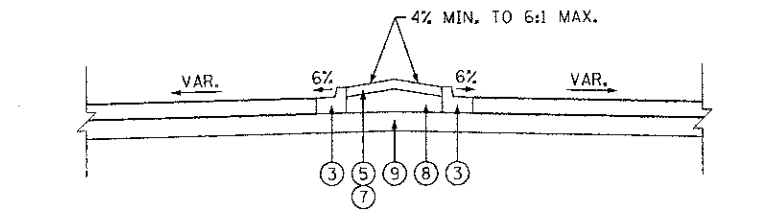
**LIGHTING AND CCTV PLAN
ROADWAY LIGHTING PLAN**

SHEET NO. 9 OF 9 SHEETS STA. TO STA.

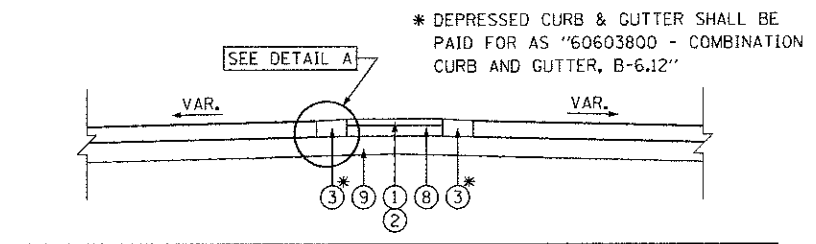
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CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



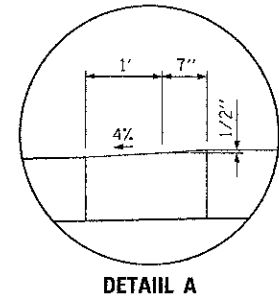
PLAN VIEW



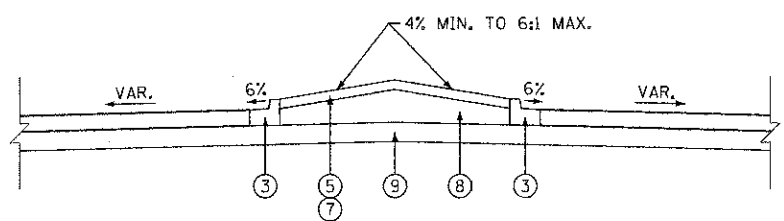
SECTION A-A



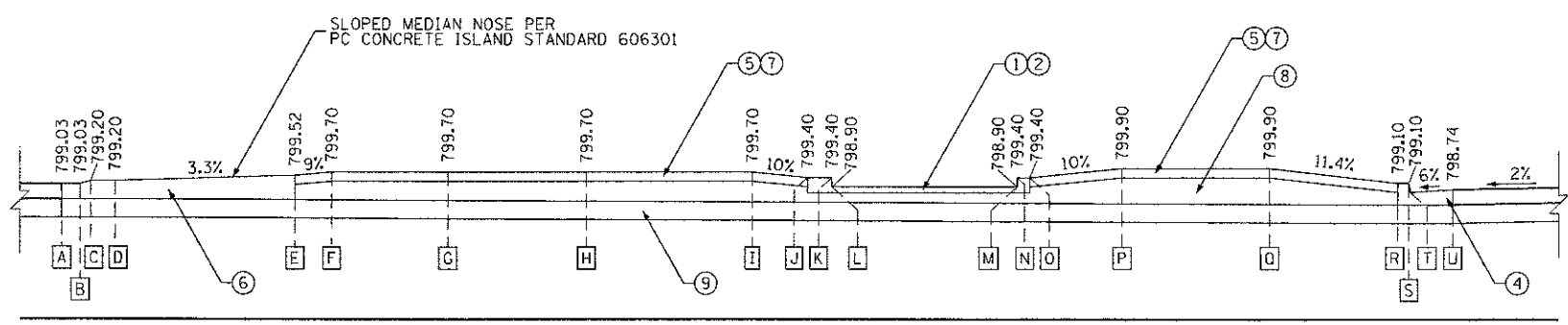
SECTION B-B



DETAIL A



SECTION C-C



PROFILE VIEW

REF. POINT	STATION*	OFFSET	ELEVATION
A	105+31.24	1.88' LT	799.03
B	105+32.24	1.78' LT	799.03
C	105+32.82	1.73' LT	799.20
D	105+34.14	1.60' LT	799.20
E	105+43.90	0.68' LT	799.52
F	105+45.90	0.51' LT	799.70
G	105+52.22	0.00	799.70
H	105+59.75	0.00	799.70
I	105+68.75	0.25' RT	799.70
J	105+71.75	0.33' RT	799.40
K	105+73.07	0.40' RT	799.40
L	105+73.07	0.40' RT	798.90
M	105+83.14	0.89' RT	798.90
N	105+83.14	0.89' RT	799.40
O	105+83.83	0.93' RT	799.40
P	105+88.81	1.35' RT	799.90
Q	105+96.84	2.03' RT	799.90
R	106+03.81	2.63' RT	799.10
S	106+04.40	2.68' RT	799.10
T	106+04.40	2.68' RT	798.60
U	106+06.80	2.88' RT	798.74

* STATIONING REFERENCES MONAVILLE ROAD CENTERLINE.

REF. POINT	STATION	REFERENCE BASELINE	OFFSET	ELEVATION
1	310+09.80	WEST LEG 2 EXIT	1.58' RT	799.47
2	300+10.28	WEST LEG 1 ENTRY	1.58' LT	799.57
3	310+17.94	WEST LEG 2 EXIT	1.58' RT	799.44
4	300+18.98	WEST LEG 1 ENTRY	1.58' LT	799.48
5	310+25.48	WEST LEG 2 EXIT	1.58' RT	799.41
6	300+26.36	WEST LEG 1 ENTRY	1.58' LT	799.45
7	310+37.87	WEST LEG 2 EXIT	1.00' RT	798.89
8	310+37.87	WEST LEG 2 EXIT	1.58' RT	799.39
9	300+37.90	WEST LEG 1 ENTRY	1.58' LT	799.40
10	300+37.90	WEST LEG 1 ENTRY	1.00' LT	798.90
11	310+38.85	WEST LEG 2 EXIT	1.95' RT	798.90
12	310+38.92	WEST LEG 2 EXIT	3.49' RT	798.90
13	310+38.88	WEST LEG 2 EXIT	3.81' RT	798.90
14	300+38.92	WEST LEG 1 ENTRY	1.87' LT	798.90
15	310+49.67	WEST LEG 2 EXIT	1.00' RT	798.86
16	310+48.67	WEST LEG 2 EXIT	2.00' RT	798.90
17	310+48.66	WEST LEG 2 EXIT	4.26' RT	798.90
18	310+48.60	WEST LEG 2 EXIT	4.60' RT	798.90
19	300+48.76	WEST LEG 1 ENTRY	2.00' LT	798.90
20	300+49.74	WEST LEG 1 ENTRY	1.00' LT	798.85
21	310+50.04	WEST LEG 2 EXIT	1.60' RT	799.40
22	300+49.74	WEST LEG 1 ENTRY	1.58' LT	799.35
23	310+65.78	WEST LEG 2 EXIT	3.20' RT	799.43
24	310+67.75	WEST LEG 2 EXIT	6.28' RT	799.11
25	300+72.94	WEST LEG 1 ENTRY	1.93' LT	799.19

NOTES

- CURB & GUTTER ALONG THE EXIT BASELINE FROM STA. 310+09.70 TO STA. 310+66.35 AND ALONG THE ENTRY BASELINE FROM STA. 300+10.28 TO STA. 300+72.78 SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12".
- CURB & GUTTER ALONG THE RIGHT EDGE OF THE CIRCULATING LANE SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24", AND SHALL BE MEASURED FOR PAYMENT ALONG THE RIGHT EOP.
- SLOPED MEDIAN NOSE AT THE WEST END OF THE ISLAND SHALL BE PAID FOR AS "CONCRETE MEDIAN, TYPE SB-6.12".

SPLITTER ISLAND SCHEDULE - WEST LEG				
REF. POINT	PAY ITEM		UNIT	QUANTITY
	NO.	DESCRIPTION		
1	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	84.5
2	42400800	DETECTABLE WARNINGS	SO FT	40.1
3	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	119.0
4	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	39.6
5	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	402.6
6	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	78.0
7	XX006898	STAMPED COLORED PORTLAND CEMENT CONCRETE	SO FT	402.6
8	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	25.6
9	30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SO YD	95.6

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 DESIGNED - MNB
 DRAWN - MNB
 CHECKED - CMC
 DATE - 10/22/2012

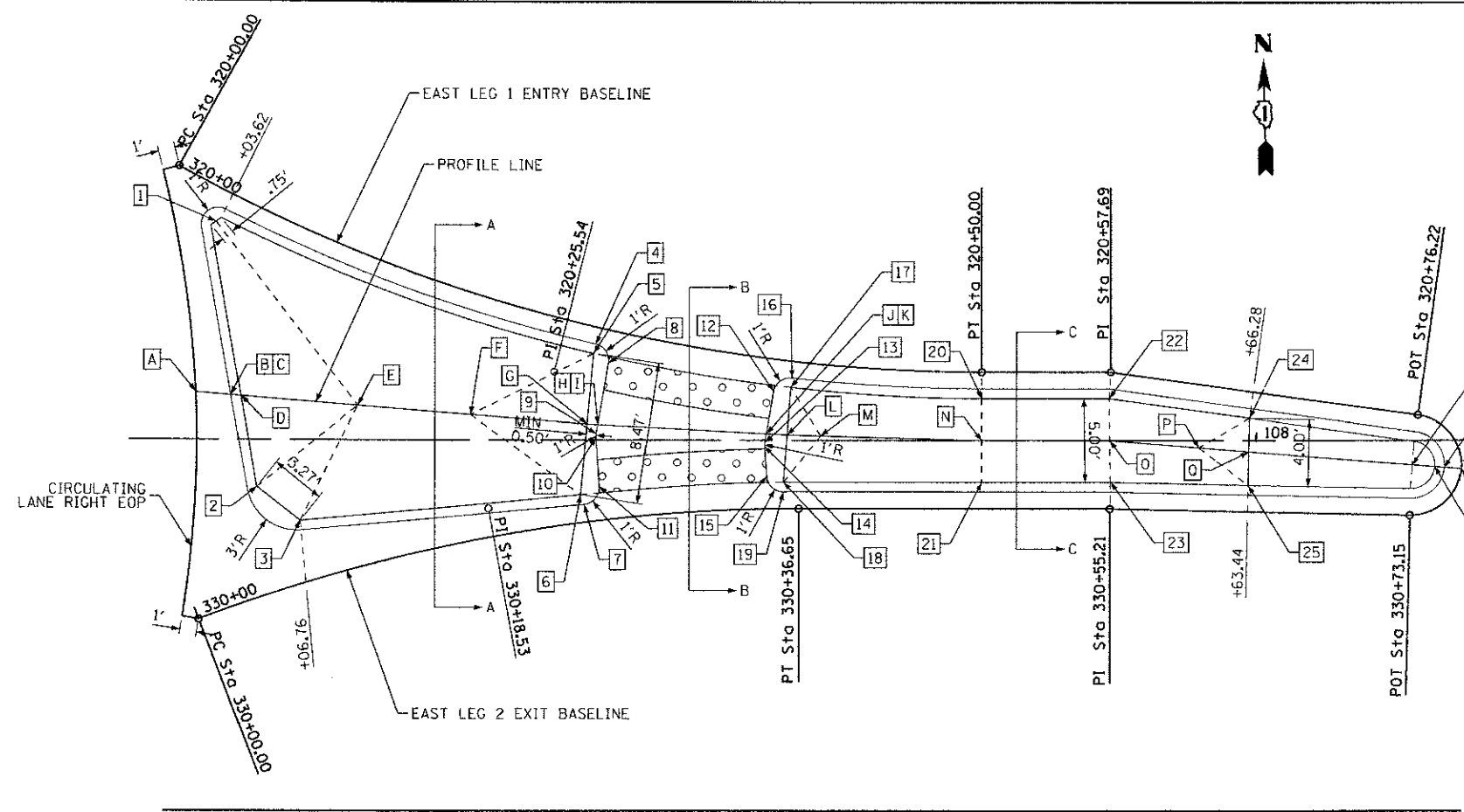
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

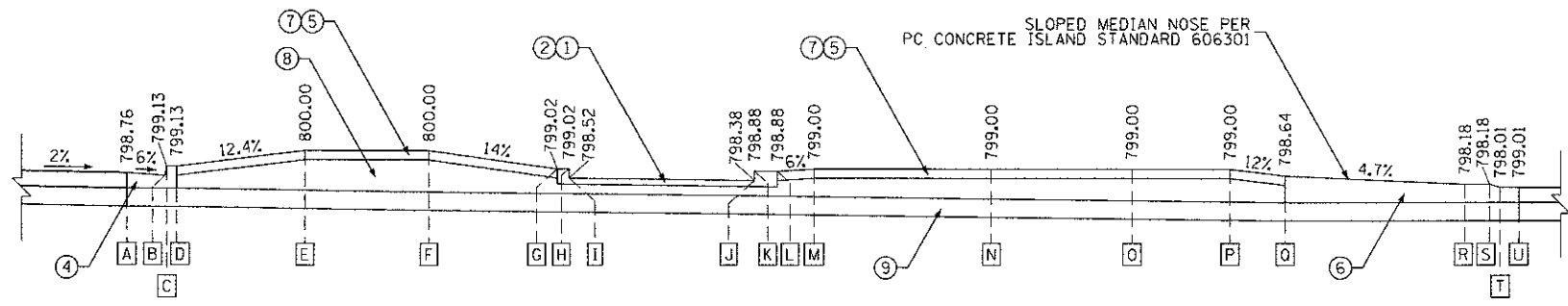
CONSTRUCTION DETAILS
 SPLITTER ISLAND
 WEST LEG

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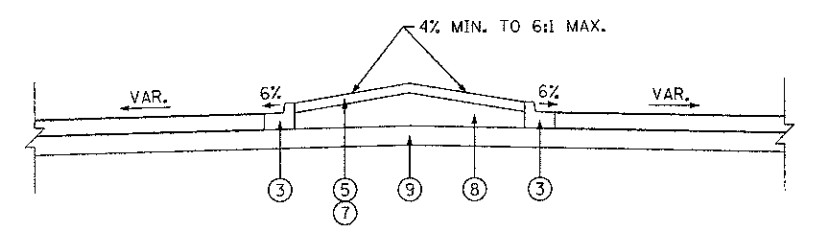
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CONTRACT NO. 63682				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



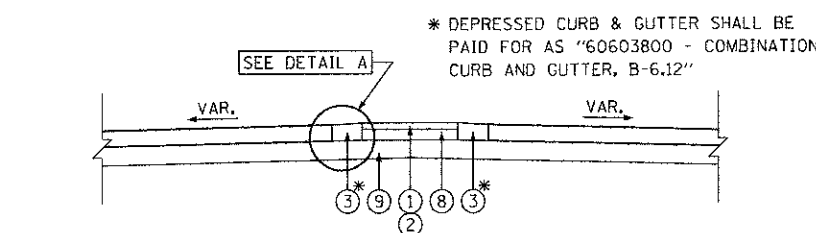
PLAN VIEW



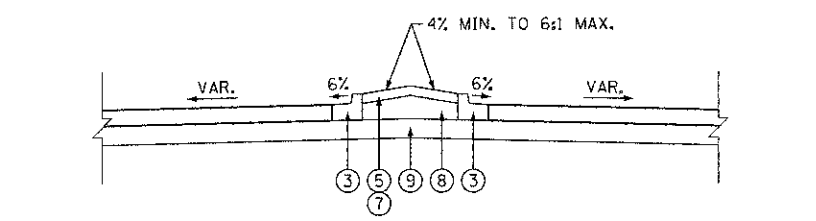
PROFILE VIEW



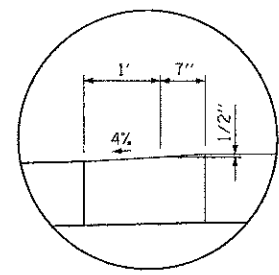
SECTION A-A



SECTION B-B



SECTION C-C



DETAIL A

REF. POINT	STATION*	OFFSET	ELEVATION
A	107+36.67	2.82' LT	798.76
B	107+38.76	2.65' LT	798.63
C	107+38.76	2.65' LT	799.13
D	107+39.36	2.60' LT	799.13
E	107+46.34	2.05' LT	800.00
F	107+53.08	1.51' LT	800.00
G	107+60.06	0.96' LT	799.02
H	107+60.70	0.92' LT	799.02
I	107+60.70	0.92' LT	798.52
J	107+70.75	0.39' LT	798.38
K	107+70.75	0.39' LT	798.88
L	107+71.99	0.32' LT	798.88
M	107+73.99	0.26' LT	799.00
N	107+83.63	0.00'	799.00
O	107+91.24	0.00'	799.00
P	107+96.57	0.43' RT	799.00
Q	107+99.56	0.68' RT	798.64
R	108+09.33	1.47' RT	798.18
S	108+10.66	1.58' RT	798.18
T	108+11.24	1.62' RT	798.01
U	108+12.24	1.70' RT	798.01

REF. POINT	STATION	REFERENCE BASELINE	OFFSET	ELEVATION
1	320+03.46	EAST LEG 1 ENTRY	1.91' RT	799.25
2	330+05.69	EAST LEG 2 EXIT	6.30' LT	799.06
3	330+07.49	EAST LEG 2 EXIT	3.63' LT	799.31
4	320+26.98	EAST LEG 1 ENTRY	1.00' RT	798.53
5	320+26.98	EAST LEG 1 ENTRY	1.58' RT	799.03
6	330+23.81	EAST LEG 2 EXIT	1.65' LT	799.00
7	330+23.94	EAST LEG 2 EXIT	1.06' LT	798.50
8	320+27.96	EAST LEG 1 ENTRY	1.95' RT	798.53
9	320+28.15	EAST LEG 1 ENTRY	6.23' RT	798.52
10	320+28.19	EAST LEG 1 ENTRY	6.46' RT	798.52
11	330+24.95	EAST LEG 2 EXIT	2.01' LT	798.50
12	320+37.77	EAST LEG 1 ENTRY	1.95' RT	798.39
13	330+34.70	EAST LEG 2 EXIT	3.96' LT	798.38
14	330+34.68	EAST LEG 2 EXIT	3.72' LT	798.38
15	330+34.76	EAST LEG 2 EXIT	1.95' LT	798.37
16	320+38.75	EAST LEG 1 ENTRY	1.00' RT	798.39
17	320+38.75	EAST LEG 1 ENTRY	1.58' RT	798.89
18	330+35.74	EAST LEG 2 EXIT	1.58' LT	798.87
19	330+35.74	EAST LEG 2 EXIT	1.00' LT	798.37
20	320+50.00	EAST LEG 1 ENTRY	1.58' RT	798.76
21	330+47.59	EAST LEG 2 EXIT	1.58' LT	798.76
22	320+57.80	EAST LEG 1 ENTRY	1.58' RT	798.67
23	330+55.21	EAST LEG 2 EXIT	1.58' LT	798.70
24	320+66.28	EAST LEG 1 ENTRY	1.58' RT	798.64
25	330+63.44	EAST LEG 2 EXIT	1.58' LT	798.63

* STATIONING REFERENCES MONAVILLE ROAD CENTERLINE.

NOTES

- CURB & GUTTER ALONG THE ENTRY BASELINE FROM STA. 320+03.62 TO STA. 320+66.28 AND ALONG THE EXIT BASELINE FROM STA. 330+06.76 TO STA. 330+63.44 SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12".
- CURB & GUTTER ALONG THE RIGHT EDGE OF THE CIRCULATING LANE SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24", AND SHALL BE MEASURED FOR PAYMENT ALONG THE RIGHT EOP.
- SLOPED MEDIAN NOSE AT THE EAST END OF THE ISLAND SHALL BE PAID FOR AS "CONCRETE MEDIAN, TYPE SB-6.12".

SPLITTER ISLAND SCHEDULE - EAST LEG				
REF. POINT	PAY ITEM		UNIT	QUANTITY
	NO.	DESCRIPTION		
1	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	82.0
2	42400800	DETECTABLE WARNINGS	SQ FT	40.0
3	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	119.2
4	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	39.2
5	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	401.6
6	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	78.1
7	XX006898	STAMPED COLORED PORTLAND CEMENT CONCRETE	SQ FT	401.6
8	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	25.4
9	30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SQ YD	95.3

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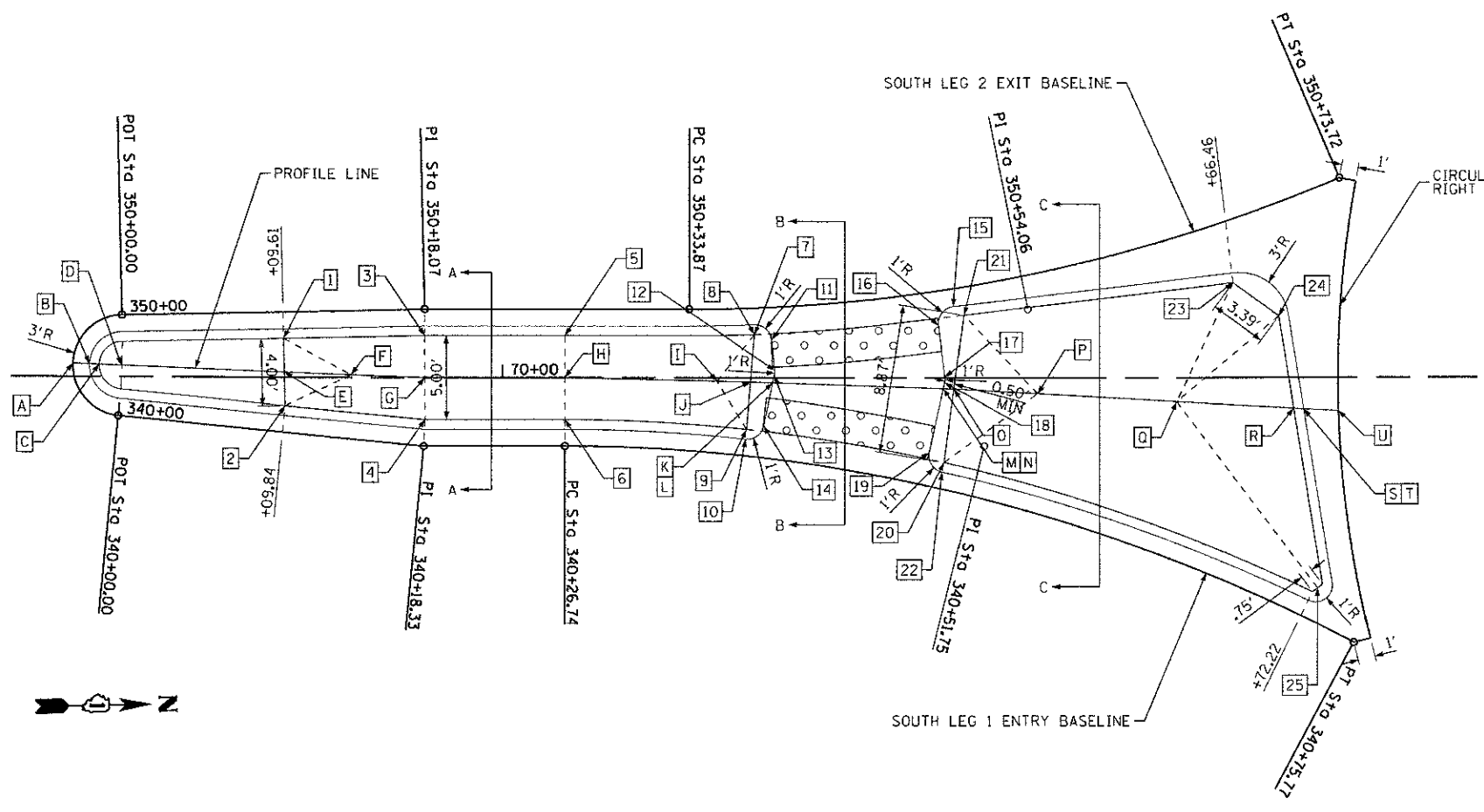
USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
DESIGNED - MNB	DRAWN - MNB	REVISED -
PLLOT SCALE = 1/8" = 1' / 1"	CHECKED - CMC	REVISED -
PLLOT DATE = 11/12/2012	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

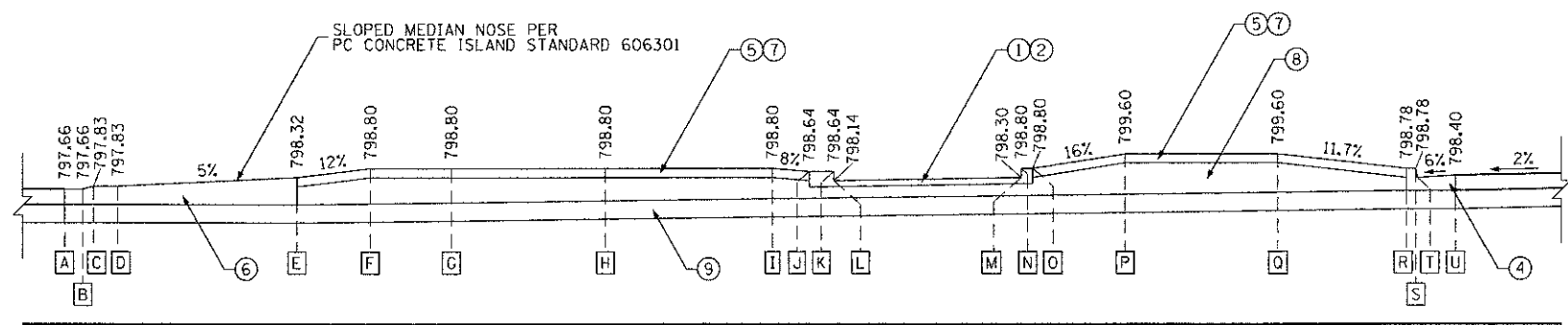
CONSTRUCTION DETAILS
SPLITTER ISLAND
EAST LEG

SCALE: 5H SHEET NO. 2 OF 5 SHEETS STA. TO STA.

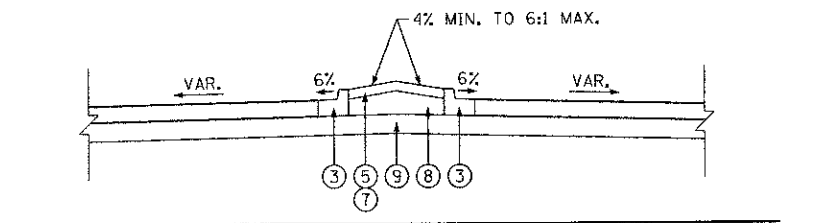
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 63682		



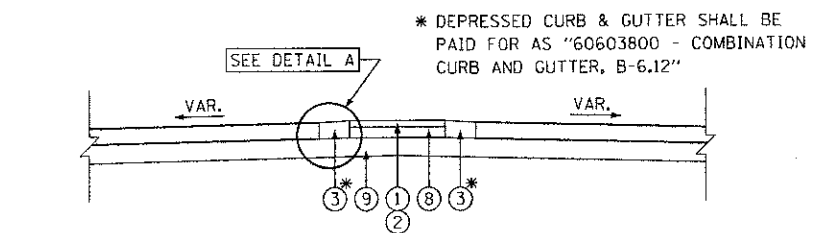
PLAN VIEW



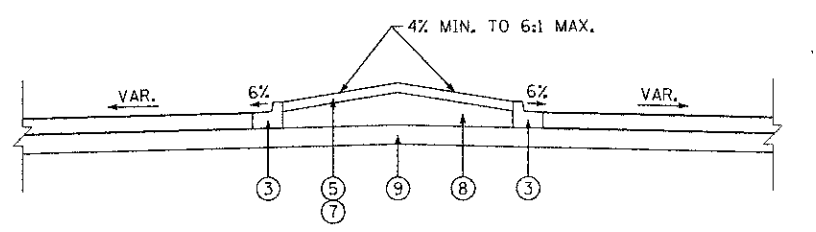
PROFILE VIEW



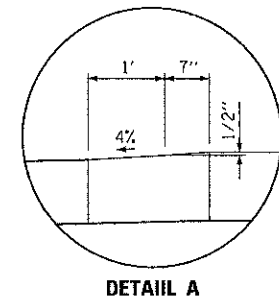
SECTION A-A



SECTION B-B



SECTION C-C



DETAIL A

REF. POINT	STATION*	OFFSET	ELEVATION
A	69+74.35	0.78' LT	797.66
B	69+75.35	0.75' LT	797.66
C	69+75.93	0.72' LT	797.83
D	69+77.25	0.68' LT	797.83
E	69+86.97	0.31' LT	798.32
F	69+88.96	0.24' LT	798.80
G	69+95.36	0.00'	798.80
H	70+03.71	0.00'	798.80
I	70+11.80	0.19' RT	798.80
J	70+14.80	0.25' RT	798.64
K	70+16.13	0.30' RT	798.64
L	70+16.13	0.30' RT	798.14
M	70+26.31	0.64' RT	798.30
N	70+26.31	0.64' RT	798.80
O	70+26.94	0.66' RT	798.80
P	70+31.94	0.95' RT	799.60
Q	70+40.24	1.43' RT	799.60
R	70+47.22	1.83' RT	798.78
S	70+47.82	1.87' RT	798.78
T	70+47.82	1.87' RT	798.28
U	70+49.90	1.99' RT	798.40

* STATIONING REFERENCES CEDAR LAKE ROAD CENTERLINE.

REF. POINT	STATION	REFERENCE BASELINE	OFFSET	ELEVATION
1	350+09.61	SOUTH LEG 2 EXIT	1.58' RT	798.32
2	340+09.84	SOUTH LEG 1 ENTRY	1.58' LT	798.32
3	350+18.04	SOUTH LEG 2 EXIT	1.58' RT	798.41
4	340+18.40	SOUTH LEG 1 ENTRY	1.58' LT	798.40
5	350+26.43	SOUTH LEG 2 EXIT	1.58' RT	798.51
6	340+26.74	SOUTH LEG 1 ENTRY	1.58' LT	798.51
7	350+37.69	SOUTH LEG 2 EXIT	1.00' RT	798.14
8	350+37.69	SOUTH LEG 2 EXIT	1.58' RT	798.64
9	340+37.44	SOUTH LEG 1 ENTRY	1.58' LT	798.64
10	340+37.44	SOUTH LEG 1 ENTRY	1.00' LT	798.14
11	350+38.69	SOUTH LEG 2 EXIT	1.95' RT	798.14
12	350+38.78	SOUTH LEG 2 EXIT	3.77' RT	798.14
13	350+38.75	SOUTH LEG 2 EXIT	4.07' RT	798.14
14	340+38.42	SOUTH LEG 1 ENTRY	1.90' LT	798.14
15	350+48.51	SOUTH LEG 2 EXIT	2.04' RT	798.30
16	350+48.43	SOUTH LEG 2 EXIT	5.14' RT	798.30
17	350+48.37	SOUTH LEG 2 EXIT	5.47' RT	798.30
18	340+48.25	SOUTH LEG 1 ENTRY	2.00' LT	798.30
19	350+49.53	SOUTH LEG 2 EXIT	1.07' RT	798.30
20	350+50.05	SOUTH LEG 2 EXIT	1.67' RT	798.80
21	340+49.23	SOUTH LEG 1 ENTRY	1.58' LT	798.80
22	340+49.23	SOUTH LEG 1 ENTRY	1.00' LT	798.30
23	350+65.73	SOUTH LEG 2 EXIT	3.62' RT	799.06
24	350+67.57	SOUTH LEG 2 EXIT	6.40' RT	798.72
25	340+72.39	SOUTH LEG 1 ENTRY	1.92' LT	798.96

NOTES

- CURB & GUTTER ALONG THE ENTRY BASELINE FROM STA. 340+09.84 TO STA. 340+72.22 AND ALONG THE EXIT BASELINE FROM STA. 350+09.61 TO STA. 350+66.46 SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12".
- CURB & GUTTER ALONG THE RIGHT EDGE OF THE CIRCULATING LANE SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24", AND SHALL BE MEASURED FOR PAYMENT ALONG THE RIGHT EOP.
- SLOPED MEDIAN NOSE AT THE SOUTH END OF THE ISLAND SHALL BE PAID FOR AS "CONCRETE MEDIAN, TYPE SB-6.12".

SPLITTER ISLAND SCHEDULE - SOUTH LEG

REF. POINT	PAY ITEM		UNIT	QUANTITY
	NO.	DESCRIPTION		
1	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	85.5
2	42400800	DETECTABLE WARNINGS	SQ FT	40.4
3	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	119.0
4	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	40.4
5	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	407.3
6	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	77.5
7	XX006898	STAMPED COLORED PORTLAND CEMENT CONCRETE	SQ FT	407.3
8	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	25.9
9	30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SQ YD	96.6

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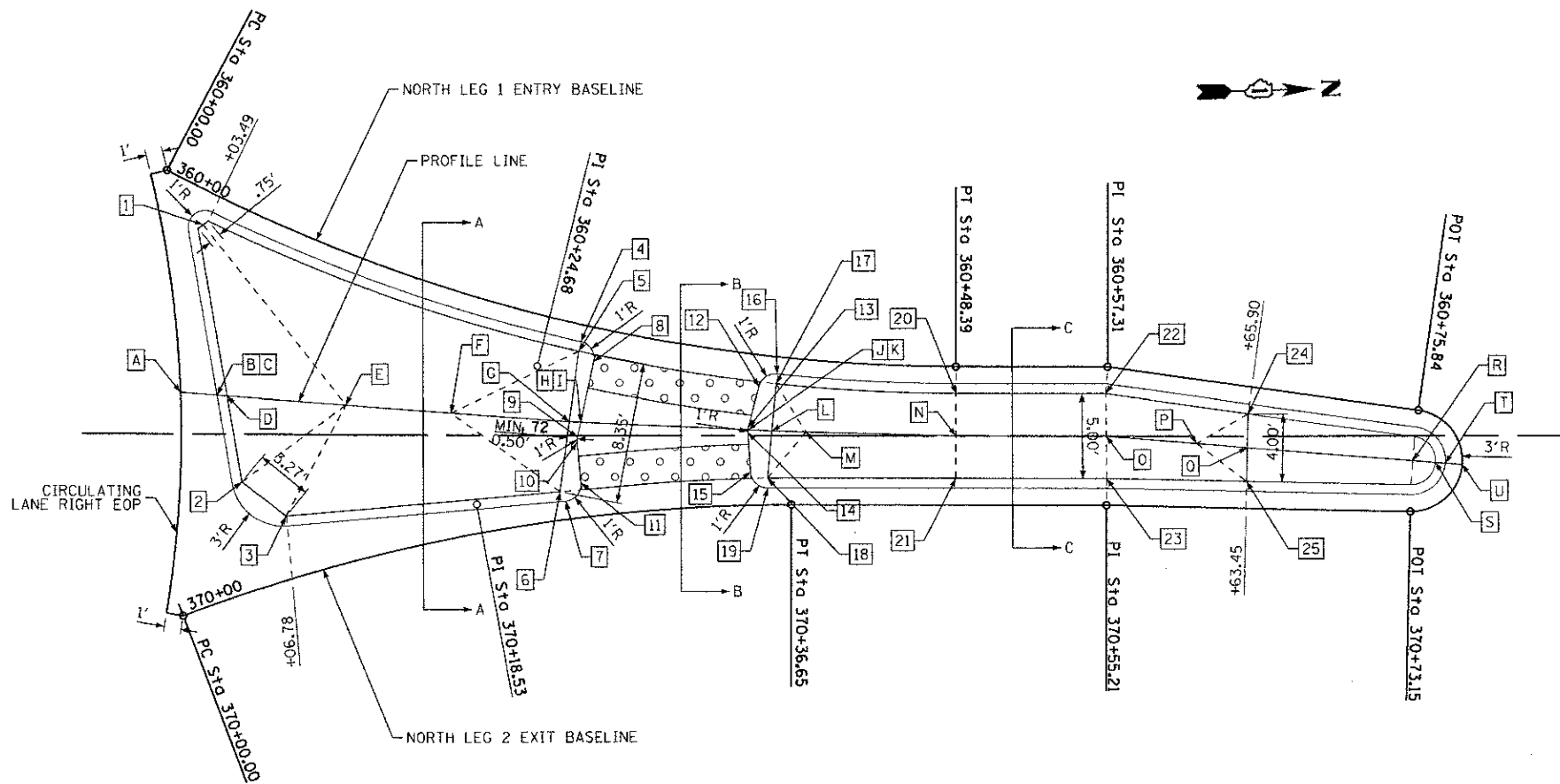
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PLOT SCALE = 10.0000' / 1"	DRAWN - MNB	REVISED -
PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE = 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

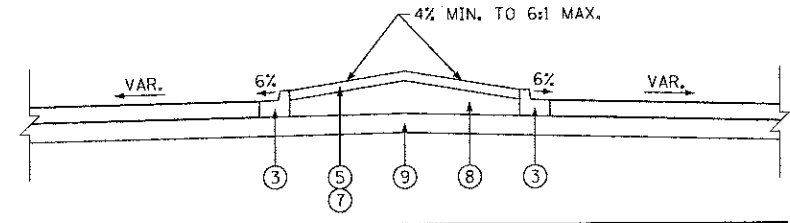
CONSTRUCTION DETAILS
SPLITTER ISLAND
SOUTH LEG

SCALE: 5H SHEET NO. 3 OF 5 SHEETS STA. TO STA.

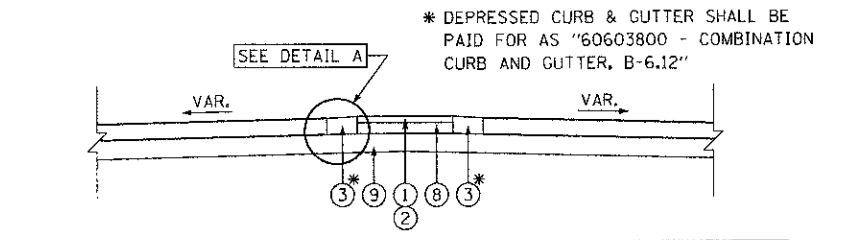
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CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



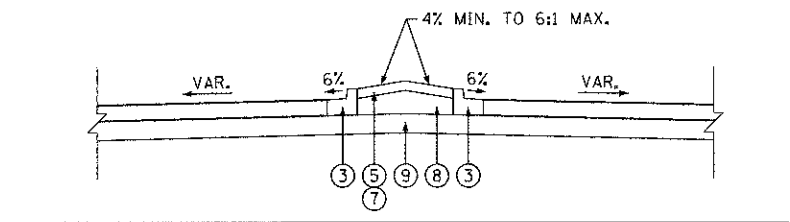
PLAN VIEW



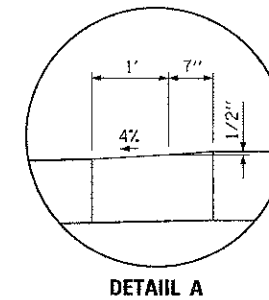
SECTION A-A



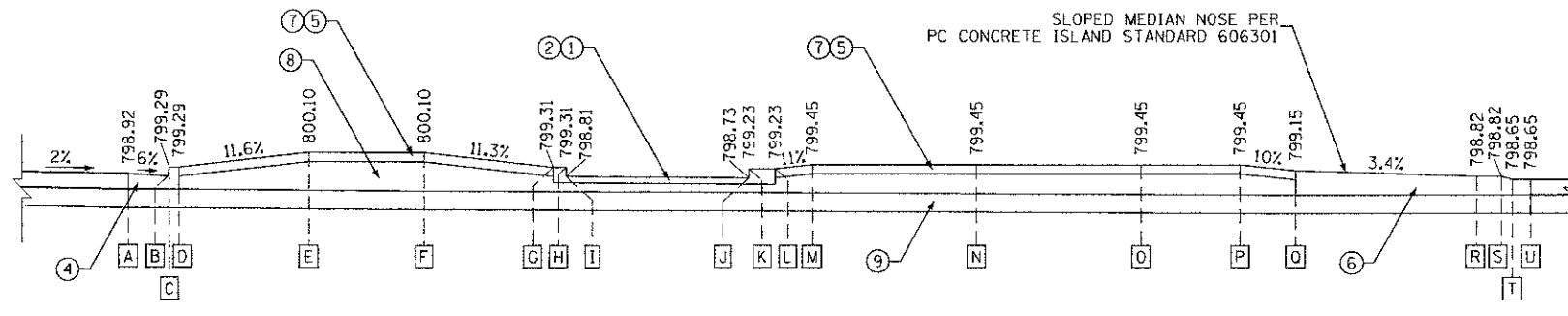
SECTION B-B



SECTION C-C



DETAIL A



PROFILE VIEW

REF. POINT	STATION*	OFFSET	ELEVATION
A	71+79.82	2.43' LT	798.92
B	71+81.96	2.28' LT	798.79
C	71+81.96	2.28' LT	799.29
D	71+82.56	2.24' LT	799.29
E	71+89.54	1.75' LT	800.10
F	71+95.76	1.31' LT	800.10
G	72+02.75	0.82' LT	799.31
H	72+03.42	0.79' LT	799.31
I	72+03.42	0.79' LT	798.81
J	72+13.25	0.34' LT	798.73
K	72+13.25	0.34' LT	799.23
L	72+14.67	0.27' LT	799.23
M	72+16.67	0.22' LT	799.45
N	72+25.53	0.00'	799.45
O	72+34.37	0.00'	799.45
P	72+39.70	0.43' RT	799.45
Q	72+42.69	0.68' RT	799.15
R	72+52.47	1.47' RT	798.82
S	72+53.80	1.58' RT	798.82
T	72+54.38	1.62' RT	798.65
U	72+55.37	1.70' RT	798.65

* STATIONING REFERENCES MONAVILLE ROAD CENTERLINE.

REF. POINT	STATION	REFERENCE BASELINE	OFFSET	ELEVATION
1	360+03.32	NORTH LEG 1 ENTRY	1.91' RT	799.39
2	370+05.69	NORTH LEG 2 EXIT	6.30' LT	799.23
3	370+07.49	NORTH LEG 2 EXIT	3.63' LT	799.55
4	360+26.32	NORTH LEG 1 ENTRY	1.00' RT	798.79
5	360+26.32	NORTH LEG 1 ENTRY	1.58' RT	799.29
6	370+23.21	NORTH LEG 2 EXIT	1.67' LT	799.32
7	370+23.46	NORTH LEG 2 EXIT	1.08' LT	798.82
8	360+27.30	NORTH LEG 1 ENTRY	2.00' RT	798.79
9	370+24.59	NORTH LEG 2 EXIT	4.74' LT	798.81
10	370+24.54	NORTH LEG 2 EXIT	4.44' LT	798.81
11	370+24.47	NORTH LEG 2 EXIT	2.04' LT	798.82
12	360+36.95	NORTH LEG 1 ENTRY	1.86' RT	798.72
13	360+36.62	NORTH LEG 1 ENTRY	4.32' RT	798.72
14	370+34.18	NORTH LEG 2 EXIT	4.27' LT	798.73
15	370+34.29	NORTH LEG 2 EXIT	1.95' LT	798.73
16	360+37.92	NORTH LEG 1 ENTRY	1.00' RT	798.72
17	360+37.92	NORTH LEG 1 ENTRY	1.58' RT	799.22
18	370+35.27	NORTH LEG 2 EXIT	1.58' LT	799.23
19	370+35.27	NORTH LEG 2 EXIT	1.00' LT	798.73
20	360+48.39	NORTH LEG 1 ENTRY	1.58' RT	799.16
21	370+46.35	NORTH LEG 2 EXIT	1.58' LT	799.16
22	360+57.42	NORTH LEG 1 ENTRY	1.58' RT	799.10
23	370+55.21	NORTH LEG 2 EXIT	1.58' LT	799.10
24	360+65.90	NORTH LEG 1 ENTRY	1.58' RT	799.16
25	370+63.45	NORTH LEG 2 EXIT	1.58' LT	799.14

NOTES

- CURB & GUTTER ALONG THE ENTRY BASELINE FROM STA. 360+03.49 TO STA. 360+65.90 AND ALONG THE EXIT BASELINE FROM STA. 370+06.78 TO STA. 370+63.45 SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12".
- CURB & GUTTER ALONG THE RIGHT EDGE OF THE CIRCULATING LANE SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24", AND SHALL BE MEASURED FOR PAYMENT ALONG THE RIGHT EOP.
- SLOPED MEDIAN NOSE AT THE NORTH END OF THE ISLAND SHALL BE PAID FOR AS "CONCRETE MEDIAN, TYPE SB-6.12".

SPLITTER ISLAND SCHEDULE - NORTH LEG				
REF. POINT	PAY ITEM		UNIT	QUANTITY
	NO.	DESCRIPTION		
1	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	80.6
2	42400800	DETECTABLE WARNINGS	SO FT	39.6
3	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	118.9
4	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	38.3
5	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	389.7
6	60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	78.1
7	XX006898	STAMPED COLORED PORTLAND CEMENT CONCRETE	SO FT	389.7
8	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	24.7
9	30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SO YD	93.6

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USER NAME = Jeff Sedig
 PLOT SCALE = 1/8"=1'-0"
 PLOT DATE = 11/12/2012

DESIGNED - MNB
 DRAWN - MNB
 CHECKED - CMC
 DATE - 10/22/2012

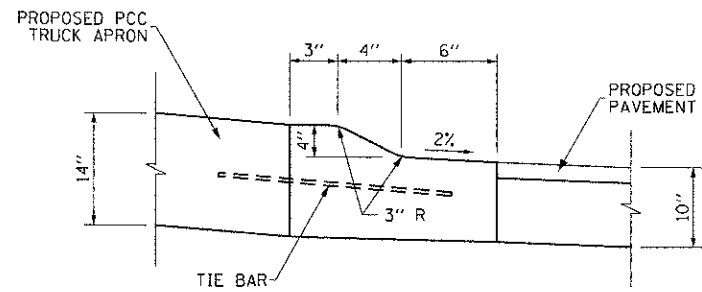
REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

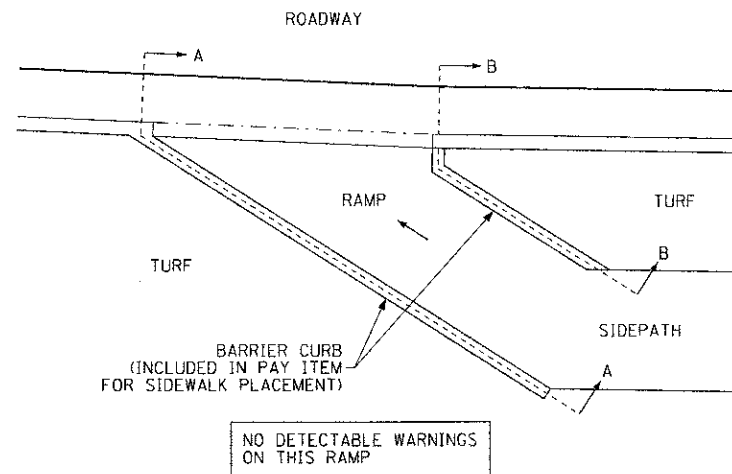
CONSTRUCTION DETAILS
 SPLITTER ISLAND
 NORTH LEG

SCALE: 5H SHEET NO. 4 OF 5 SHEETS STA. TO STA.

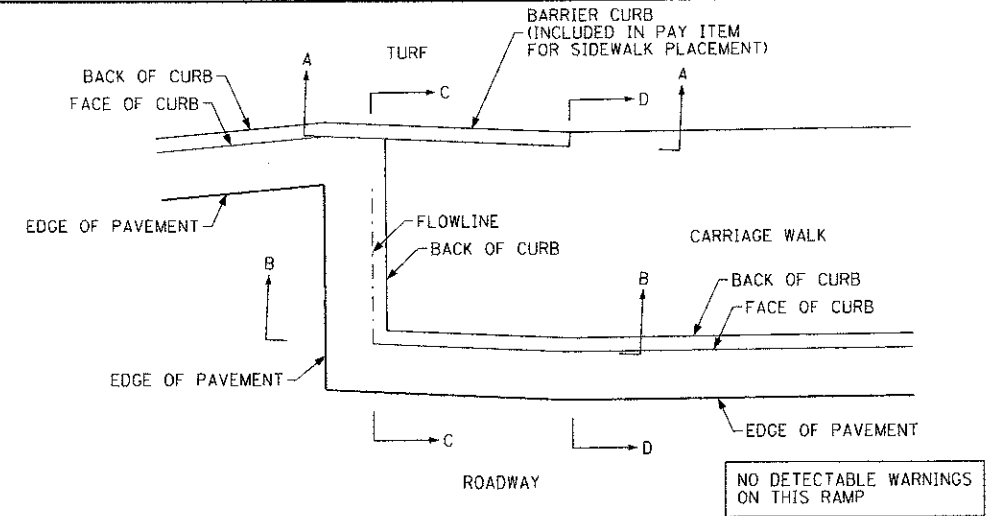
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 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



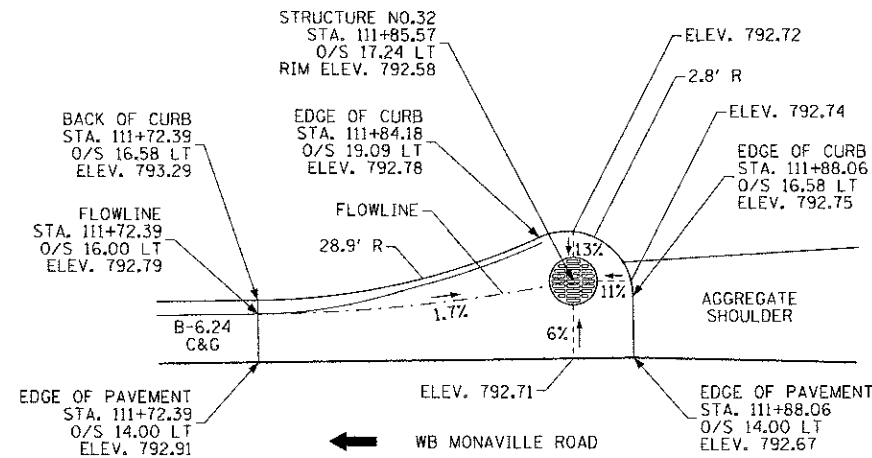
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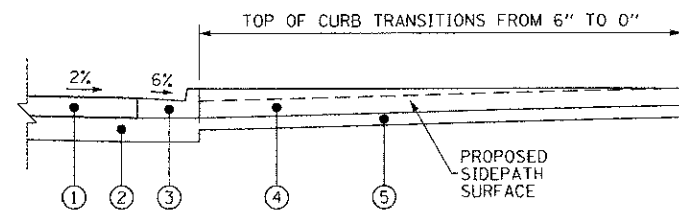
SIDEPATH TRANSITION TO ROADWAY



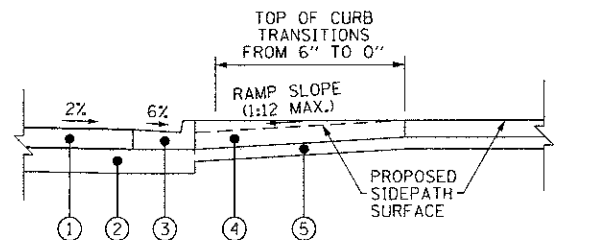
CARRIAGE WALK TRANSITION TO ROADWAY



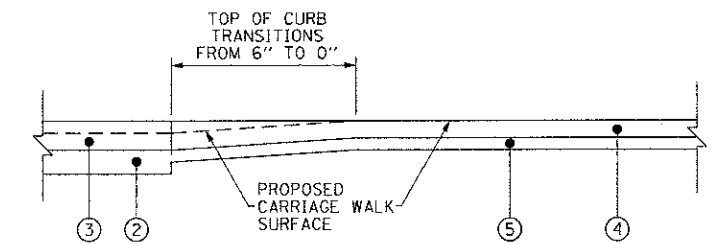
CATCH BASIN, TYPE A, TYPE 1 FRAME & GRATE (SUMP CONDITION) STRUCTURE S-34



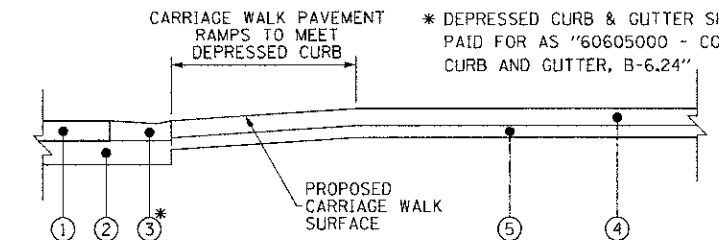
SECTION A-A



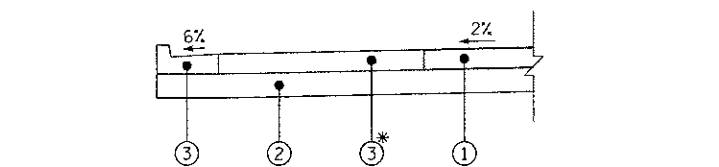
SECTION B-B



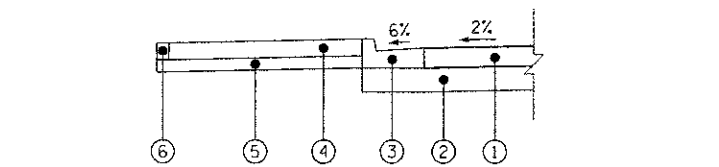
SECTION A-A



SECTION B-B



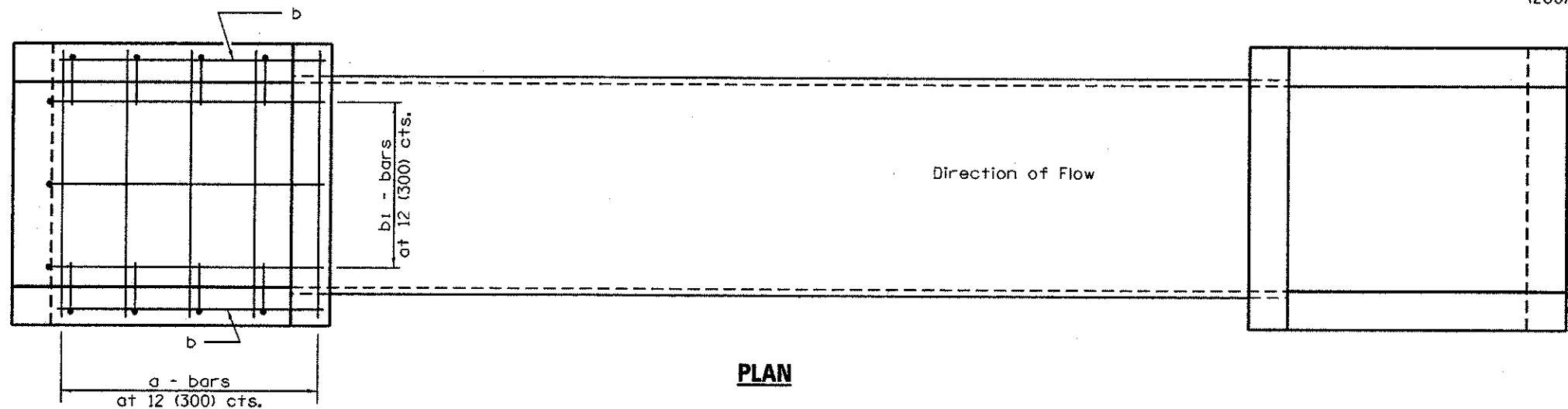
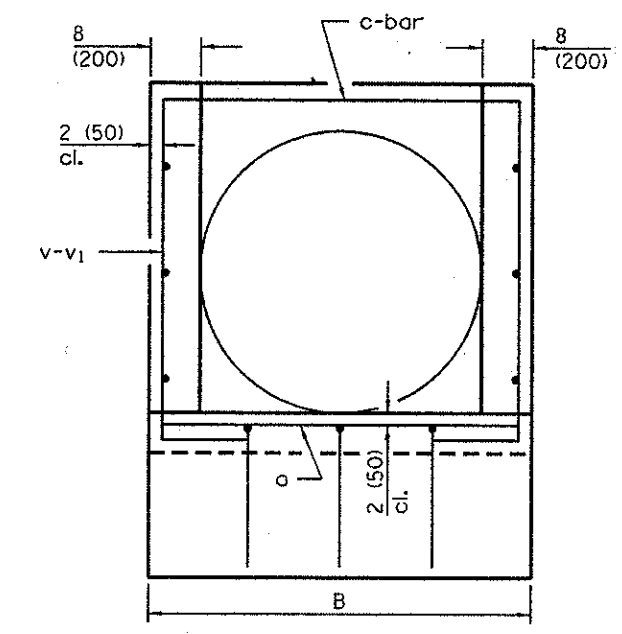
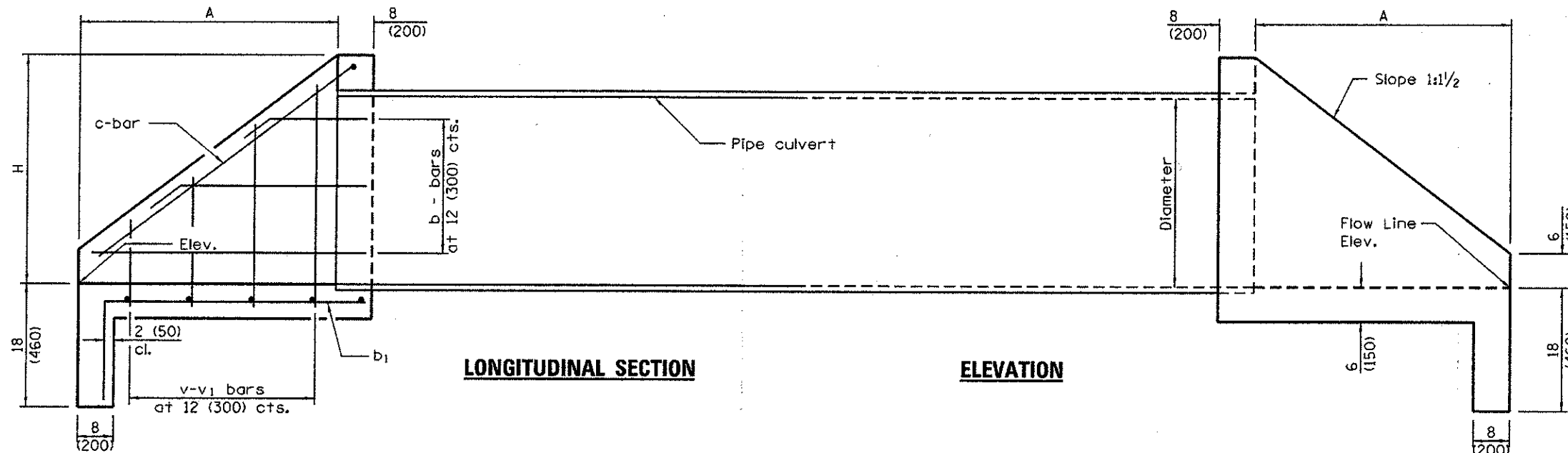
SECTION C-C



SECTION D-D

LEGEND	
①	HOT-MIX ASPHALT SURFACE & BINDER COURSE, 10"
②	AGGREGATE SUBGRADE 12"
③	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
④	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
⑤	AGGREGATE BASE COURSE, TYPE A, 6"
⑥	CONCRETE BARRIER CURB (INCLUDED IN PAY ITEM FOR SIDEWALK PLACEMENT)

FILE NAME = L:\LAKREC\112248\Drawn\Road\Sheets\Construction\detail\5_vers\road.dgn



Pipe Dia. (nom.)	A	B	H	Reinforcing Steel No. 4 (No. 13) bars						Concrete 2 End Secs. cu. yds. (m ³)	Reinf. Bars 2 End Secs. lbs. (kg)
				a	b	b ₁	c	v	v ₁		
12 (300)	18 (460)	28 (710)	18 (460)	4 @ 24 4 @ (610)	4 @ 21 4 @ (540)	4 @ 31 4 @ (790)	2 @ 5'-9" 2 @ (1.75 m)	4 @ 30 4 @ (760)	4 @ 21 4 @ (530)	0.59 (0.45)	40 (18.1)
15 (375)	24 (570)	31 (780)	21 (535)	4 @ 27 4 @ (690)	4 @ 27 4 @ (690)	4 @ 39 4 @ (990)	2 @ 7'-0" 2 @ (2.13 m)	4 @ 33 4 @ (840)	4 @ 24 4 @ (610)	0.77 (0.59)	40 (18.1)
18 (450)	27 (685)	34 (860)	24 (610)	6 @ 30 6 @ (760)	8 @ 30 8 @ (760)	4 @ 3'-6" 4 @ (1.07 m)	2 @ 8'-0" 2 @ (2.44 m)	4 @ 36 4 @ (910)	4 @ 27 4 @ (690)	0.92 (0.70)	60 (27.2)
24 (600)	36 (915)	3'-4" (1.01 m)	30 (760)	6 @ 36 6 @ (910)	8 @ 39 8 @ (990)	6 @ 4'-3" 6 @ (1.2 m)	2 @ 10'-6" 2 @ (3.2 m)	8 @ 3'-6" 8 @ (1.07 m)	4 @ 30 4 @ (760)	1.32 (1.01)	90 (40.8)
30 (750)	3'-9" (1.14 m)	3'-10" (1.16 m)	36 (915)	8 @ 3'-6" 8 @ (1.07 m)	12 @ 4'-0" 12 @ (1.22 m)	6 @ 5'-0" 6 @ (1.52 m)	2 @ 12'-6" 2 @ (3.81 m)	8 @ 4'-0" 8 @ (1.22 m)	4 @ 36 4 @ (910)	1.79 (1.37)	120 (54.4)
36 (900)	4'-6" (1.37 m)	4'-4" (1.32 m)	3'-6" (1.07 m)	10 @ 4'-0" 10 @ (1.22 m)	12 @ 4'-9" 12 @ (1.45 m)	6 @ 5'-9" 6 @ (1.75 m)	2 @ 15'-0" 2 @ (4.57 m)	8 @ 4'-6" 8 @ (1.37 m)	8 @ 3'-6" 8 @ (1.07 m)	2.33 (1.85)	150 (68.0)
48 (1200)	6'-0" (1.83 m)	5'-4" (1.62 m)	4'-6" (1.37 m)	12 @ 5'-0" 12 @ (1.52 m)	16 @ 6'-3" 16 @ (1.9 m)	8 @ 7'-3" 8 @ (2.21 m)	2 @ 19'-3" 2 @ (5.87 m)	12 @ 5'-0" 12 @ (1.52 m)	8 @ 3'-6" 8 @ (1.07 m)	3.60 (2.80)	230 (104.3)

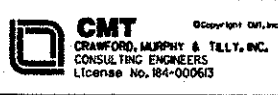
DESIGN DATA

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

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USER NAME = jstedig	DESIGNED - MNB	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - MNB	REVISED -
PLOT DATE = 12/18/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REINFORCED CONCRETE END SECTIONS WITH PARALLEL WINGWALLS FOR
PIPE CULVERTS 12" THRU 48" DIA. AT RIGHT ANGLES WITH ROADWAY

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

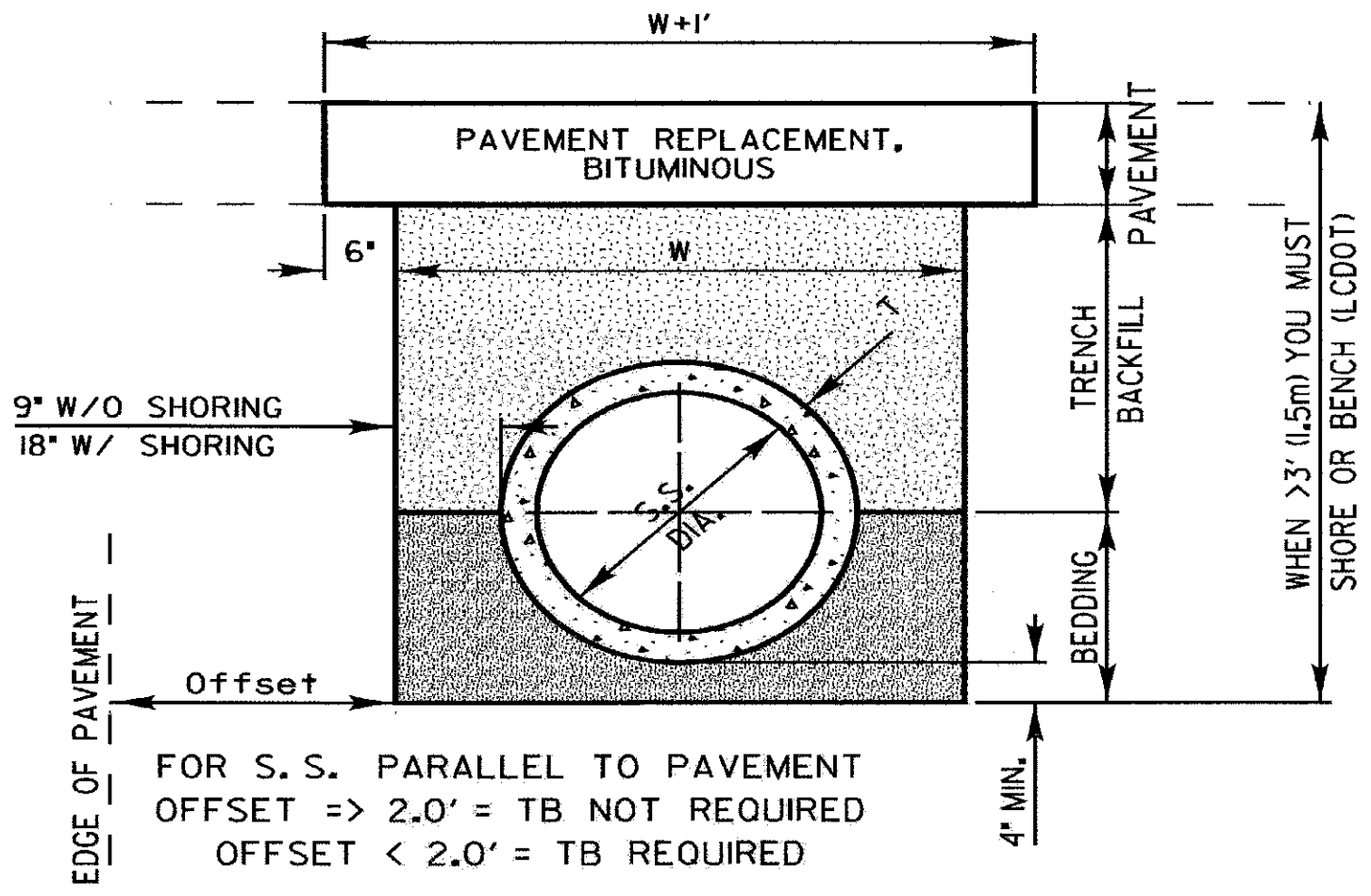
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0192	06-00153-07-CH	LAKE	120
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 6	

ENGLISH		TRENCH WIDTH (W)		MIN OFFSET FROM E.O.P. • FOR NO TB		1/2 PIPE AREA [O.D.] (SQ FT)
S.S. DIA.	T	WITHOUT SHORING	WITH SHORING	WITHOUT SHORING	WITH SHORING	
10"	2"	2.67'	4.17'	3.33'	4.08'	0.53
12"	2"	2.83'	4.33'	3.42'	4.17'	0.70
15"	2 1/4"	3.13'	4.63'	3.56'	4.31'	1.04
18"	2 1/2"	3.42'	4.92'	3.71'	4.46'	1.44
21"	2 3/4"	3.71'	5.21'	3.85'	4.60'	1.92
24"	3"	4.00'	5.50'	4.00'	4.75'	2.45
27"	3 1/4"	4.29'	5.79'	4.15'	4.90'	3.06
30"	3 1/2"	4.58'	6.08'	4.29'	5.04'	3.73
36"	4"	5.17'	6.67'	4.58'	5.33'	5.28
42"	4 1/2"	5.75'	7.25'	4.88'	5.63'	7.09
48"	5"	6.33'	7.83'	5.17'	5.92'	9.17

• TO CENTER LINE OF PIPE

DESIGN NOTES:

1. Trench backfill is required if the storm sewer or culvert offset from the edge of the pavement is less than the tabulated values (the inner trench wall is closer than 2' to the edge of pavement)
2. Payment for the trench backfill shall not exceed the quantity computed using the maximum trench width dimensions. If the trench is excavated beyond these limits, the contractor shall furnish and place any additional trench backfill at his/her expense.
3. If the trench width is less than the above maximum values, payment will be based on the actual dimensions of the dug trench.
4. Bedding shall be placed from 4' under the pipe to the spring line of the pipe and is incidental to the corresponding storm sewer or culvert pay item.
5. If any part of the excavation for a drainage structure falls within 2' of the edge of pavement, the space between the side of the excavation and the outer surface of the drainage structure shall be filled with trench backfill. The cost of this item is included in the pay item for the drainage structure.



SCALE: 1" = 2'

REVISIONS	DATE
Text Revision	11/06/07

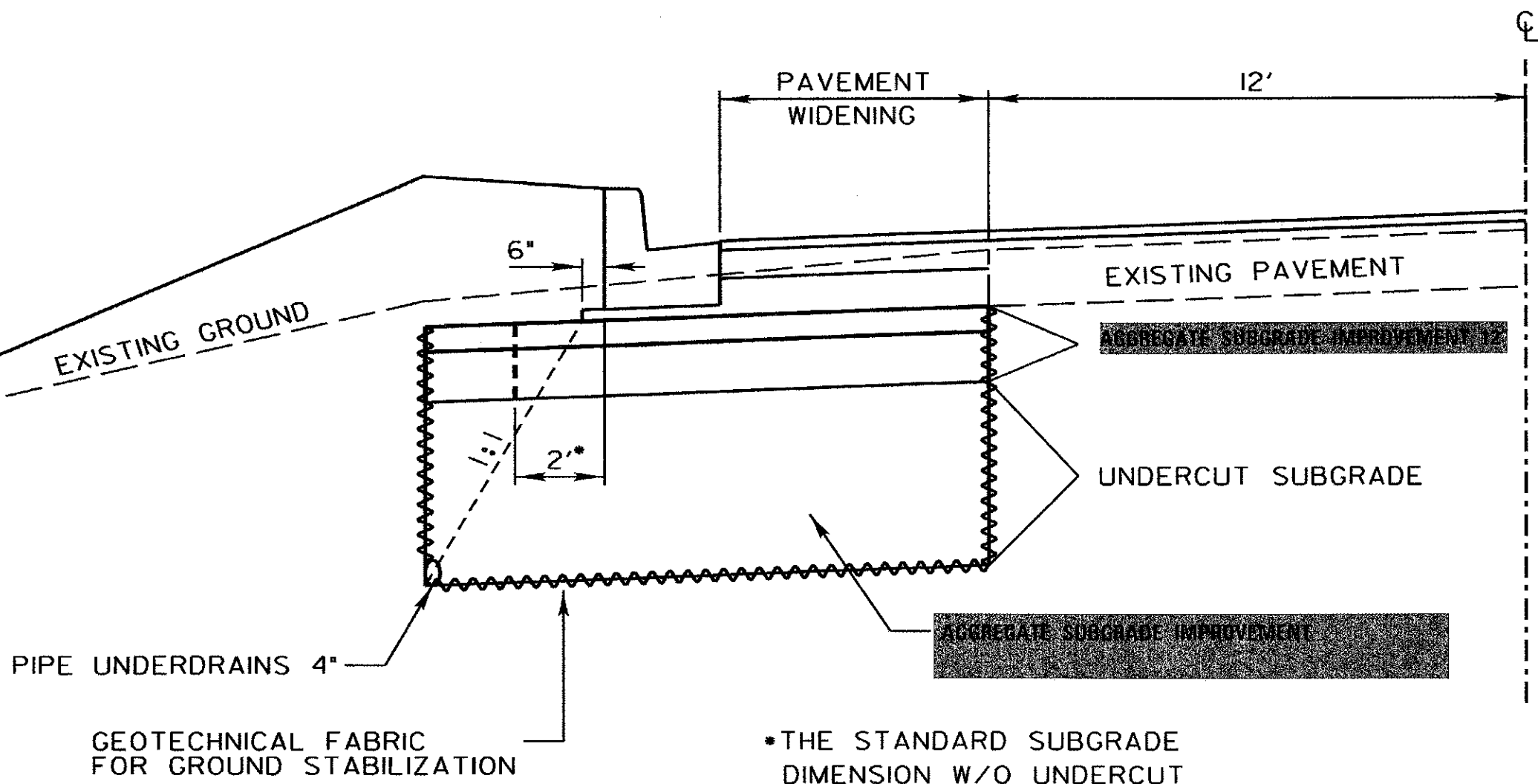
Lake County
 Division of Transportation

APPROVED BY: M. G. ZEMAITIS
DATE: APRIL 1, 2007

**TRENCH WIDTHS FOR
 TRENCH BACKFILL &
 PAVEMENT REPLACEMENT,
 BITUMINOUS**

LC0020

R.O.W.



*THE STANDARD SUBGRADE DIMENSION W/O UNDERCUT IS 2 FEET.

IN UNSTABLE AREAS, THE SUBGRADE SHALL BE:
 UNDERCUT (PAID FOR AS EARTH EXCAVATION PER CU YD);
 REINFORCED WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 (PAID FOR PER SQ YD);
 DRAINED BY INSTALLATION OF PIPE UNDERDRAINS, 4"
 (PAID FOR PER FOOT);
 BACKFILLED WITH **AGGREGATE SUBGRADE IMPROVEMENT**
 (PAID FOR PER TON) AND;
 TOPPED WITH **AGGREGATE SUBGRADE IMPROVEMENT 12"**
 (PAID FOR PER SQ YD).

SCALE:
 HORIZONTAL 1" = 5'
 VERTICAL 1" = 2.5'

REVISIONS	DATE		APPROVED BY: M. G. Zemaitis
			DATE: APRIL 1, 2007
		UNDERCUT DETAIL	

LC2000

FILE NAME = L:\L\PROJECTS\122497\Drawings\CDOT\513000.dwg

CMT
 CRAWFORD, MURPHY & TELY, INC.
 CONSULTING ENGINEERS
 License No. 184-00063

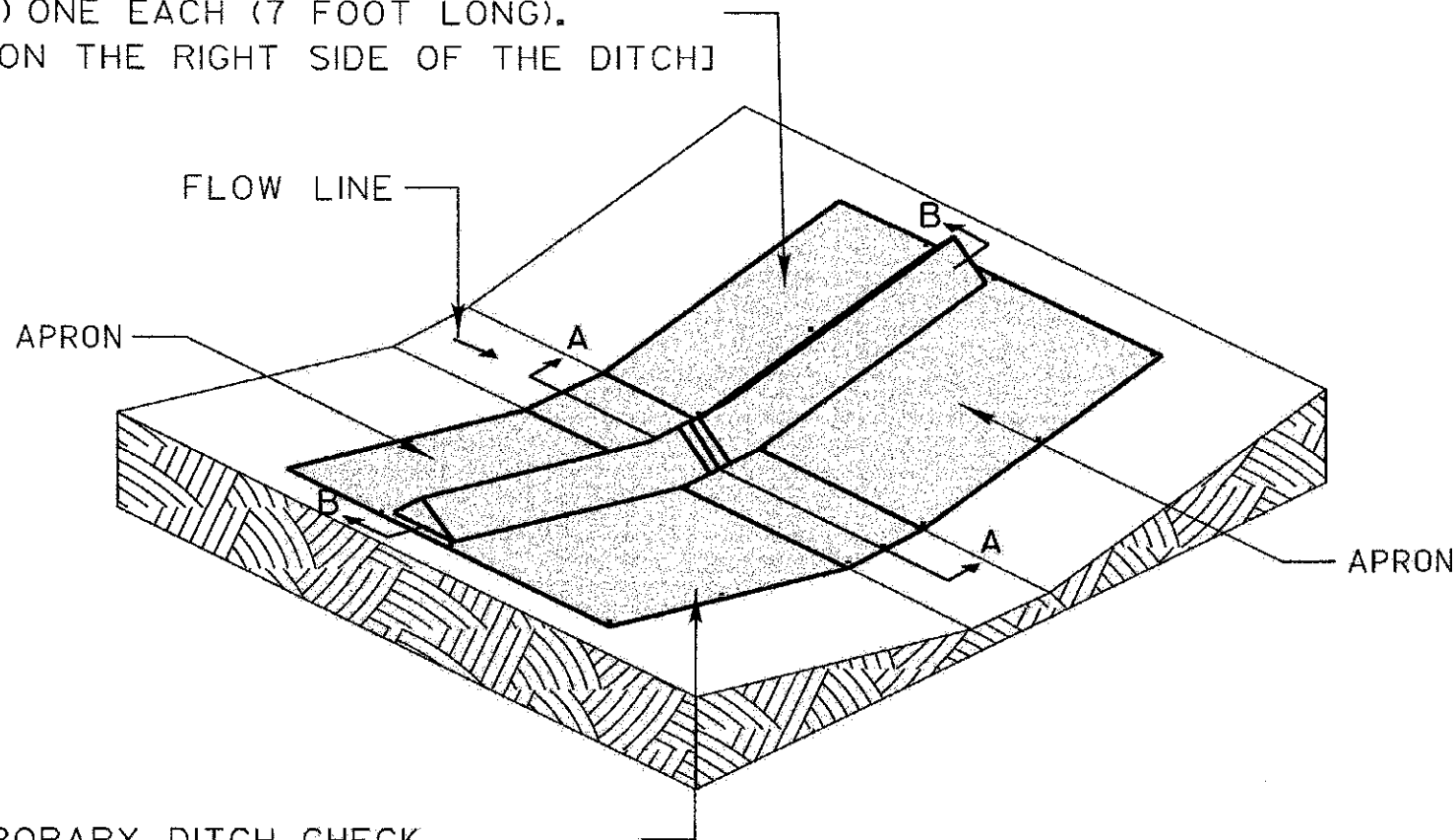
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PLLOT SCALE = 40,0000 1/4"	DRAWN - MNB	REVISED -
PLST DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LCDOT STANDARD DRAWINGS
 SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 63
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

TEMPORARY DITCH CHECK,
(1) ONE EACH (7 FOOT LONG).
[ON THE RIGHT SIDE OF THE DITCH]

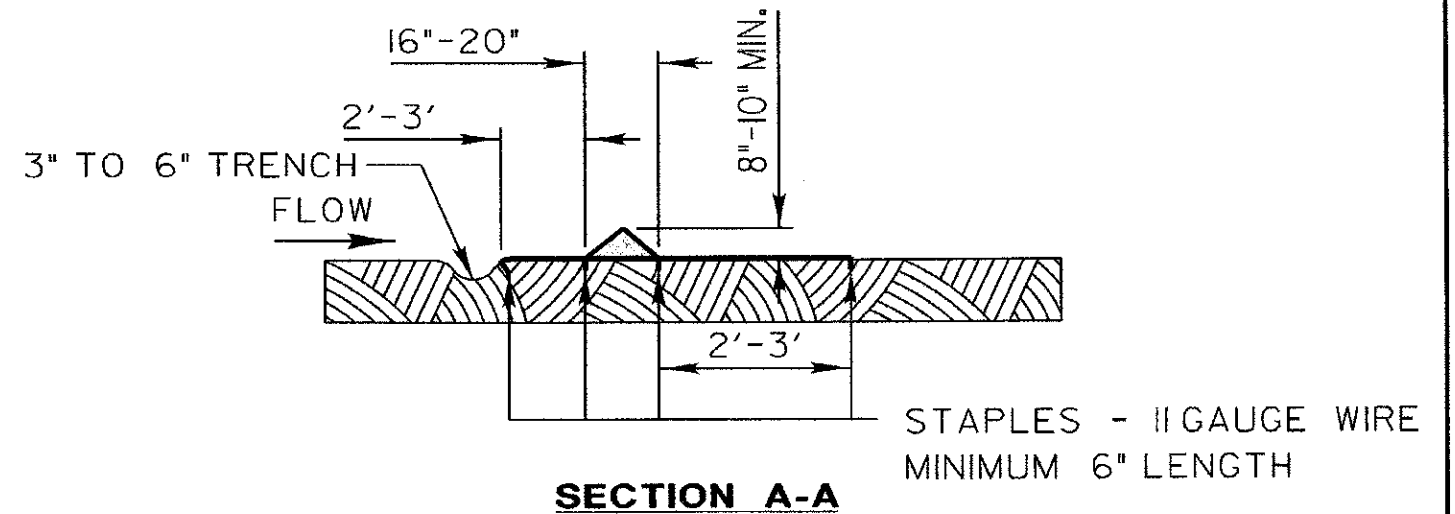


TEMPORARY DITCH CHECK,
(1) ONE EACH (7 FOOT LONG).
[ON THE LEFT SIDE OF THE DITCH]

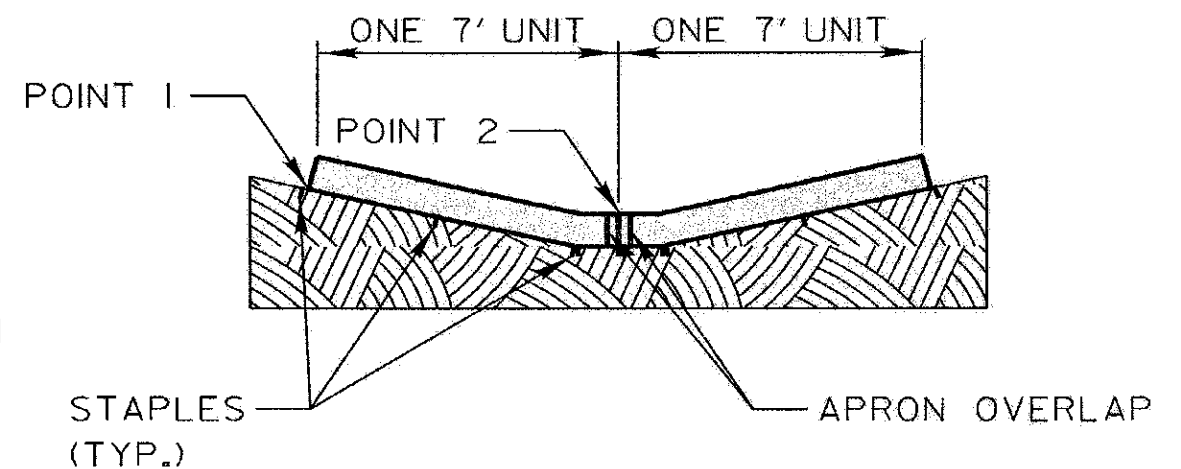
**SILT DIKE UNIT
ISOMETRIC**

NOTE:
THE INSTALLATION SHOWN ABOVE WILL BE MEASURED
AS A TEMPORARY DITCH CHECK 14 FEET IN LENGTH.

SCALE: 1" = 5'



SECTION A-A



SECTION B-B

STAPLES SHALL BE PLACED WHERE
THE UNITS OVERLAP AND IN THE
CENTER OF THE 7' UNIT AS SHOWN ON THE DIAGRAM.

POINT 1 MUST BE HIGHER THAN POINT 2
TO INSURE THAT WATER FLOWS OVER
THE DIKE AND NOT AROUND THE ENDS.

REVISIONS	DATE
ADDED DIMENSIONS	04/11/08
REVISED PAY ITEM	04/15/10



APPROVED BY: M. G. ZEMAITIS
DATE: APRIL 1, 2007

**TEMPORARY DITCH CHECK
INSTALLATION FOR
ROADWAY OR
DRAINAGE DITCH**

LC2050



USER NAME - Jeff Sedig	DESIGNED - MNB	REVISED -
	DRAWN - MNB	REVISED -
	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

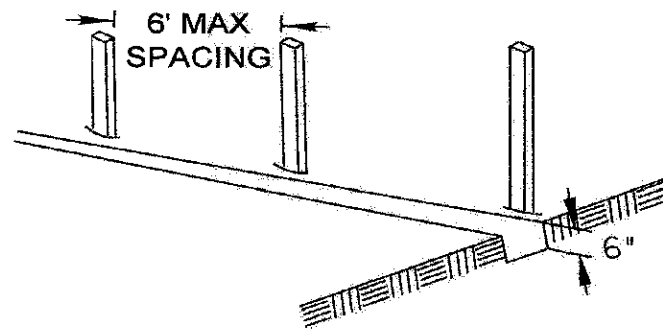
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LCDOT STANDARD DRAWINGS

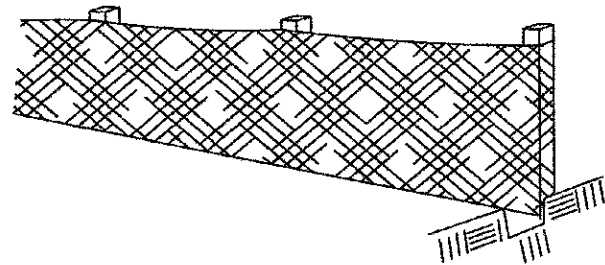
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F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 64
CONTRACT NO. 63682				
ILLINOIS FED. AID PROJECT				

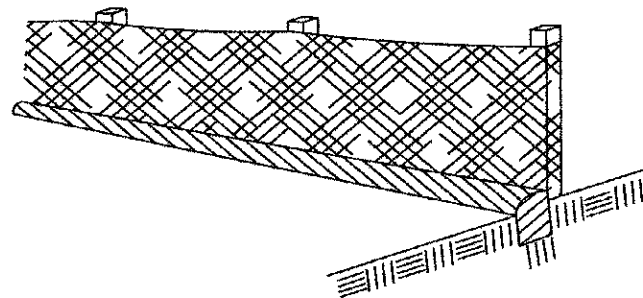
1. SET POSTS AND EXCAVATE OR SLIT-TRENCH A 6-INCH DEEP TRENCH UPSLOPE ALONG THE LINE OF POSTS



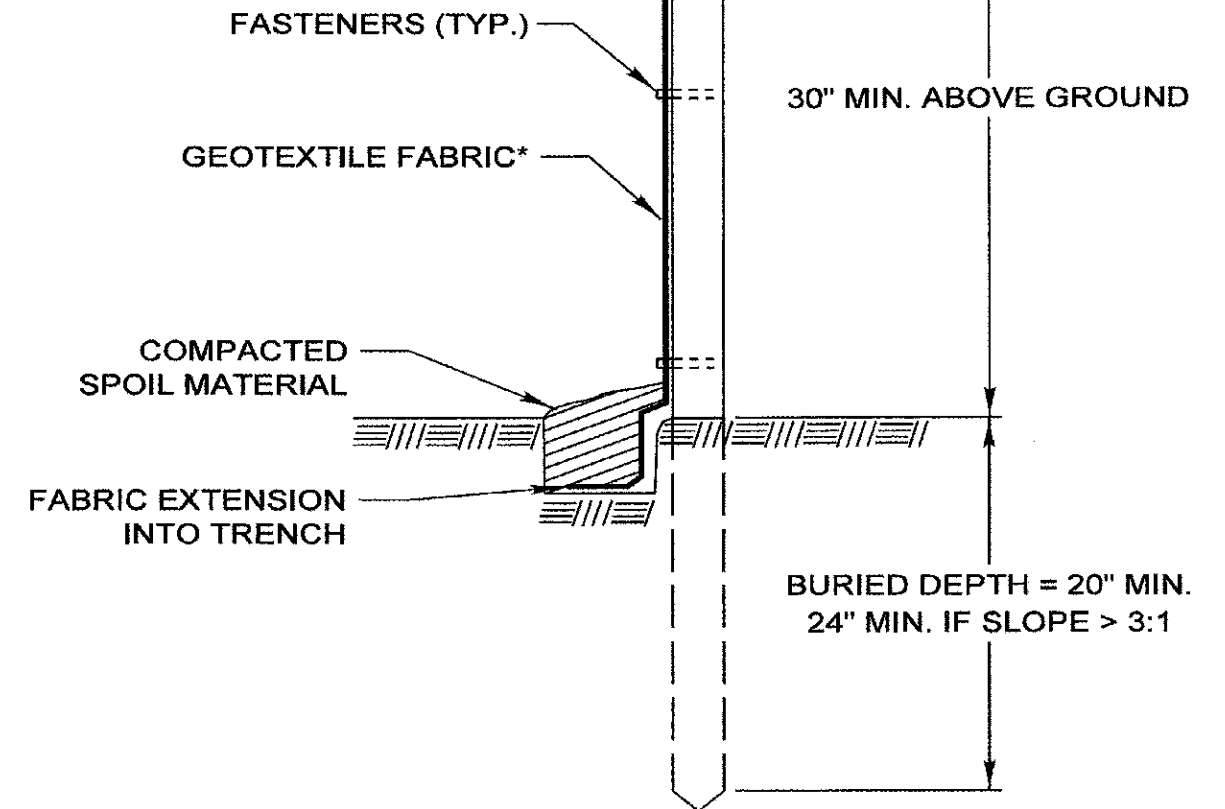
2. ATTACH GEOTEXTILE FILTER FABRIC TO EACH POST WITH A MINIMUM OF 3 (THREE) FASTENERS PER POST AND EXTEND FABRIC TO THE BOTTOM OF THE TRENCH



3. BACKFILL AND COMPACT THE EXCAVATED MATERIALS



POSTS - CHOICE OF:
 1.2" X 1.2" NOMINAL
 HARDWOOD POSTS
 2.6" X 2.6" NOMINAL
 NO.2 SOUTHERN PINE
 OR
 U, T, L, OR C-SHAPE
 STEEL POSTS WITH
 MIN. WEIGHT 1.33 LBS/FT



* NOTE: OPTIONAL WIRE SUPPORT
 - MIN. 30" HEIGHT
 - MIN. 14 GAUGE WIRE
 - MIN. 6 HORIZ. WIRES
 - MIN. 6" VERTICAL SPACING

SCALE 1" = 1'

Requirements	Test Methods	Wire Backed Supported Silt Fence ^a	Unsupported Silt Fence	
			Geotextile Elongation $\geq 50\%$ ^b	Geotextile Elongation $< 50\%$ ^b
Maximum Post Spacing		4 feet	4 feet	6 feet
Grab Strength	ASTM D 4632			
Machine direction		90 lbs	124 lbs	124 lbs
X-Machine direction		90 lbs	100 lbs	100 lbs
Permittivity ^c	ASTM D 4491	0.05 sec ⁻¹	0.05 sec ⁻¹	0.05 sec ⁻¹
Apparent Opening Size	ASTM D 4751	0.024in maximum average roll value		
Ultraviolet stability (retained strength)	ASTM D 4355	70% after 500 hours of exposure		

REVISIONS	DATE
ORIG. by LCSMC	4/21/08
Update Text	7/15/11



APPROVED BY: M. G. ZEMAITIS
 DATE: JUNE 20, 2008

PERIMETER EROSION BARRIER INSTALLATION

LC2051

FILE NAME: L:\LAKECO\112240\12240.dwg



USER NAME = Jeff Sedig
 DESIGNED - MNB
 DRAWN - MNB
 CHECKED - CMC
 DATE - 10/22/2012
 PLOT SCALE = 40.0000 / 1 in.
 PLOT DATE = 11/12/2012

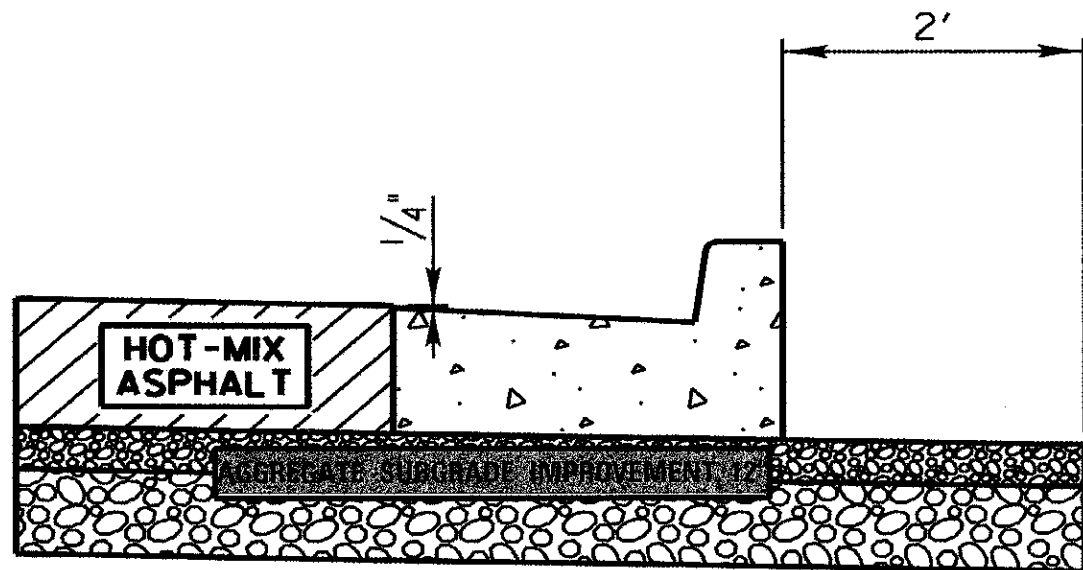
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LCDOT STANDARD DRAWINGS

SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. N/A TO STA. N/A

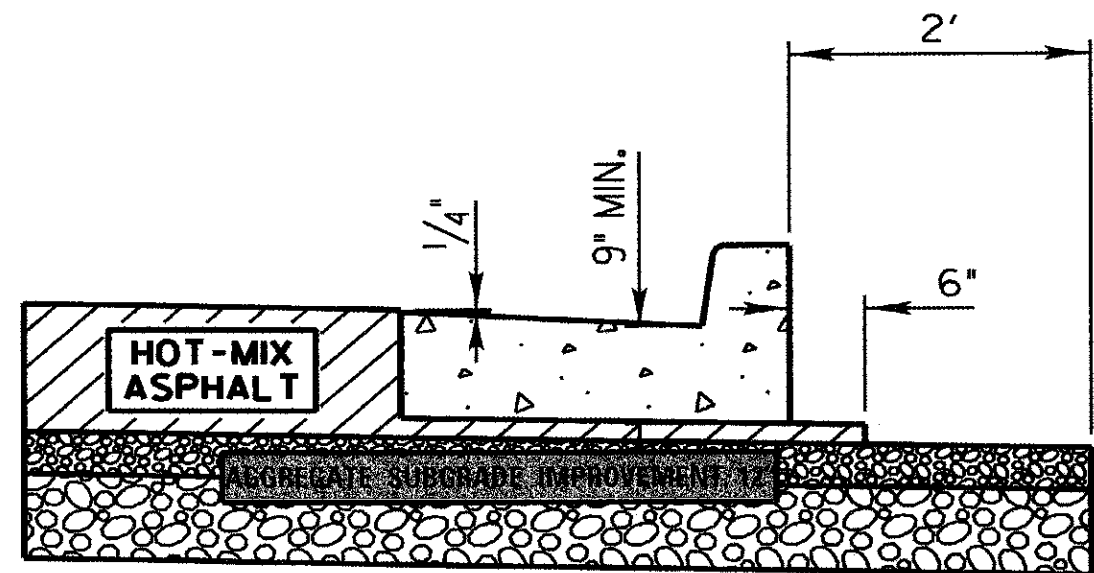
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	65
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63682		



TYPICAL METHOD

NOTE:

MINIMUM FLAG THICKNESS 9"




OPTIONAL METHOD

NOTE:

COST OF HOT-MIX ASPHALT MATERIAL UNDER CURB AND 6" OUTSIDE OF CURB TO BE INCIDENTAL TO COST OF COMBINATION CONCRETE CURB AND GUTTER.

SCALE: 1" = 2'

REVISIONS	DATE		APPROVED BY: M. G. ZEMAITIS	LC3000
			DATE: APRIL 1, 2007	
		CURB & GUTTER SUBGRADE OPTIONS		

FILE NAME = L:\AL\EC\112248\Drawings\LC3000_Standard.dwg



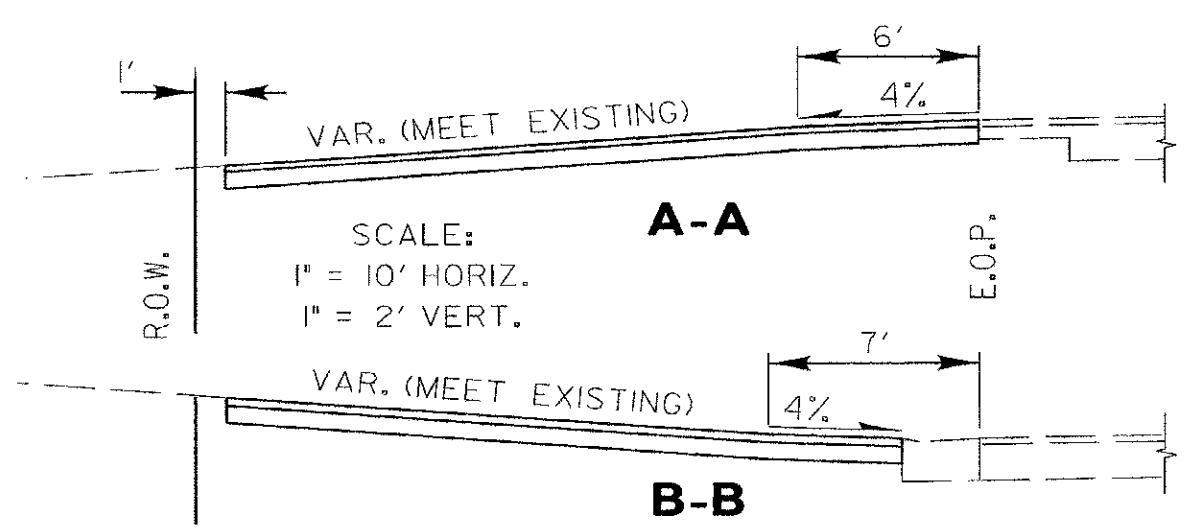
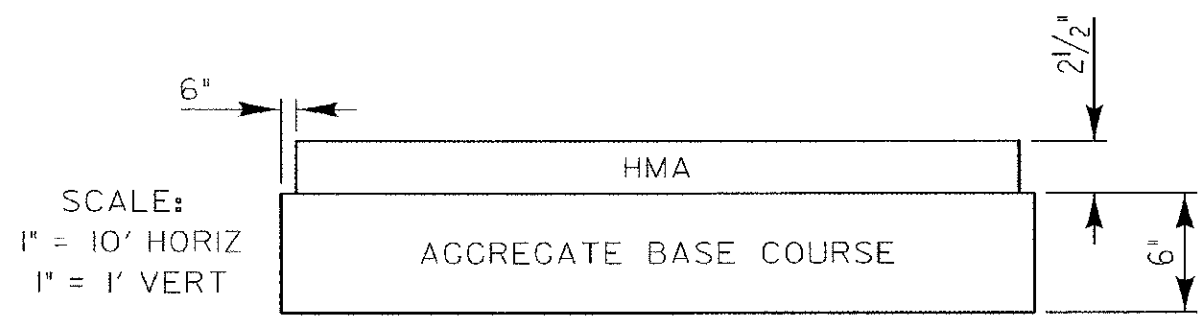
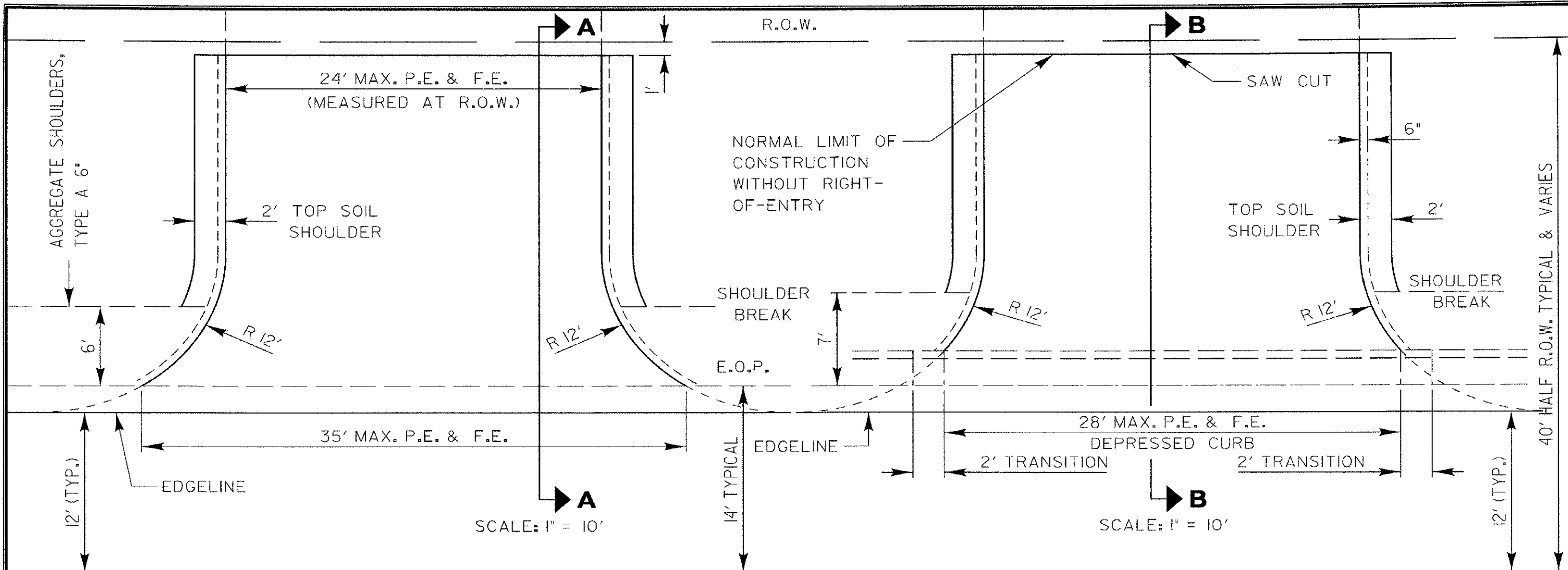
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PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LCDOT STANDARD DRAWINGS


SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	66
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63682	




PEs: 2 1/2" HOT-MIX ASPHALT SURFACE COURSE on 6" AGGREGATE BASE COURSE, TYPE A
 FEs: 6" AGGREGATE BASE COURSE, TYPE A
 Calculated Quantities for PRIVATE ENTRANCE w/o Curb and Gutter above:
 1. HMA Surface Course Weight Used = 112 lbs/Sq Yd/Inch thickness
 Area = 72.6 Sq Yd
 72.6 Sq Yd X 112 lb/Sq Yd/Inch x 2.5 Inches = 20,328.0 lb
 Converting to Tons = 20,328.0 lb/2000 lb/Ton = 10.16 Ton
 Round to = **10 Ton**
 2. Aggregate Base Course Weight Used = 2 Ton/Cu Yd
 75.63 Sq Yd x 2 Ton/Cu Yd x 0.1667 Yd thickness = 25.22 Ton
 Round to = **25 Ton**

REVISIONS	DATE
Removed Prime Coat Qty	5/20/08
Revise Entrance EOP Radius	6/4/10


LakeCounty
 Division of Transportation

APPROVED BY: M. G. ZEMAITIS
DATE: APRIL 1, 2007


CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-00063

USER NAME = Jeff Sedig
 DESIGNED - MNB
 DRAWN - MNB
 CHECKED - CMC
 DATE - 10/22/2012

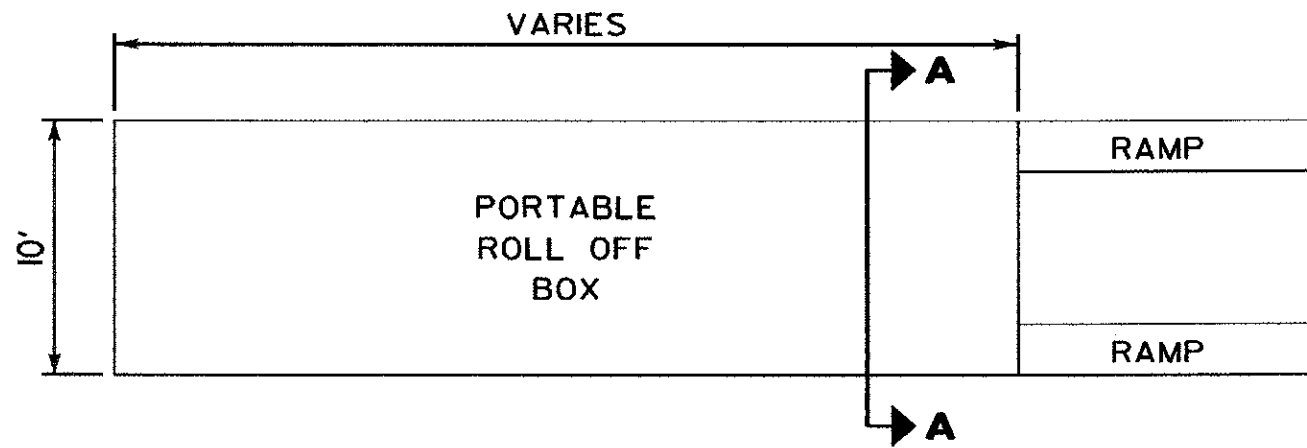
PLOT SCALE = 40,0000' / in.
 PLOT DATE = 11/12/2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LCDOT STANDARD DRAWINGS

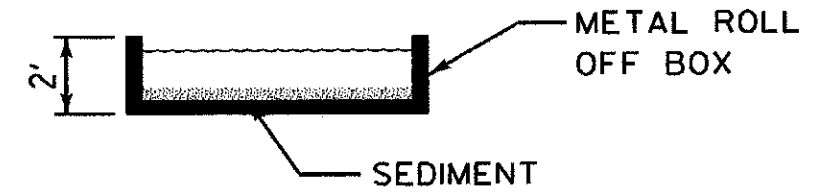
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	67
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63682			LC4100	

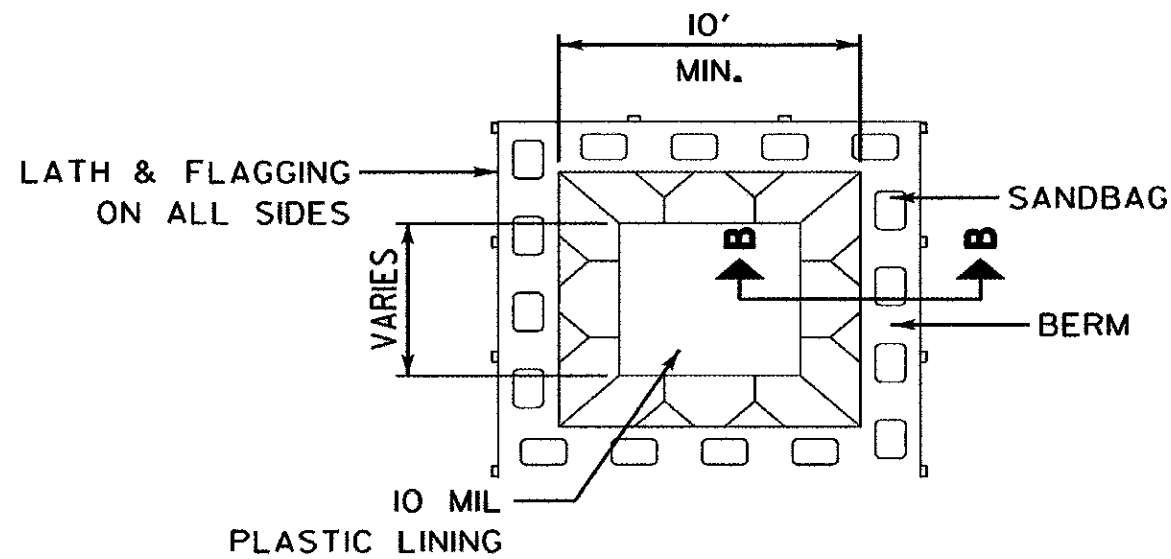


PLAN VIEW

PREFAB PORTABLE WASHOUT

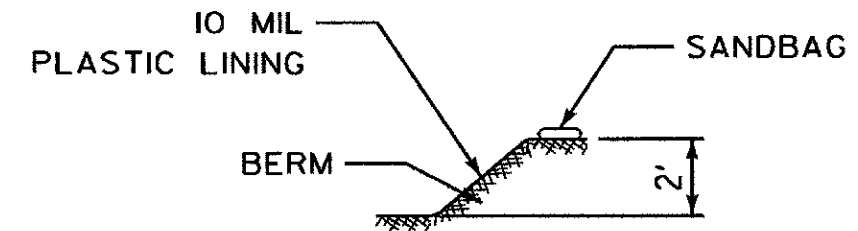


SECTION A-A



PLAN VIEW

BELOW GRADE




SECTION B-B

NOTES:

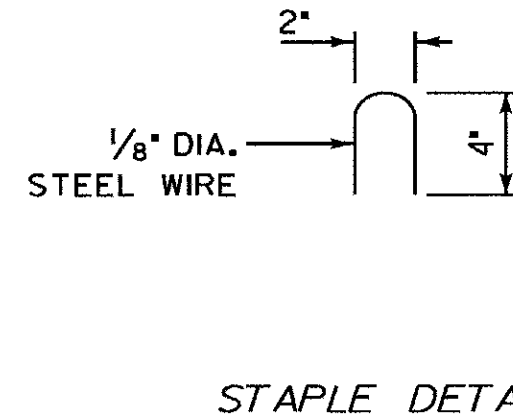
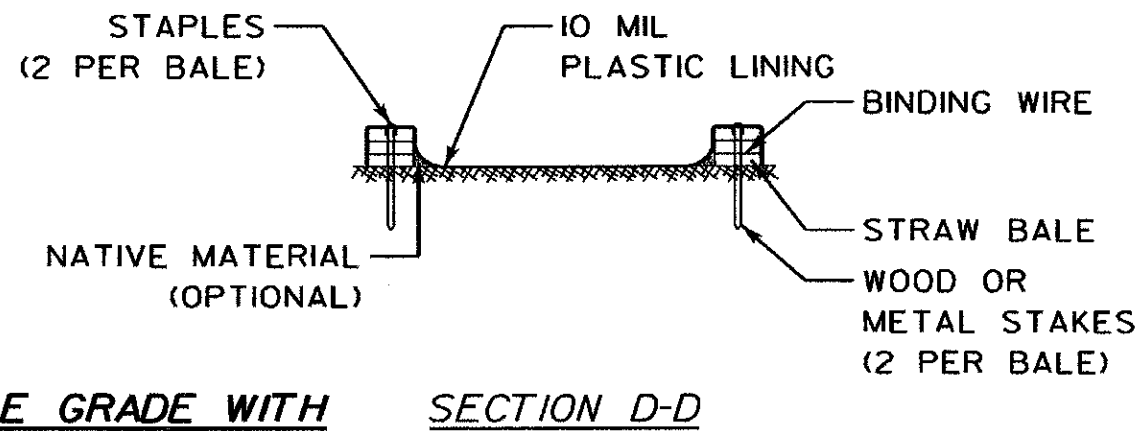
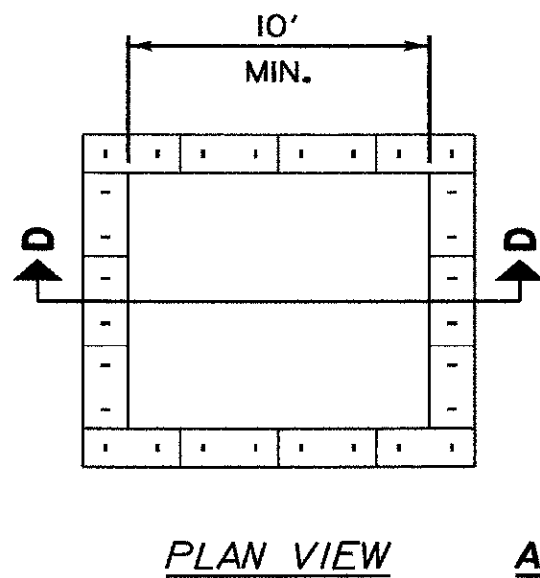
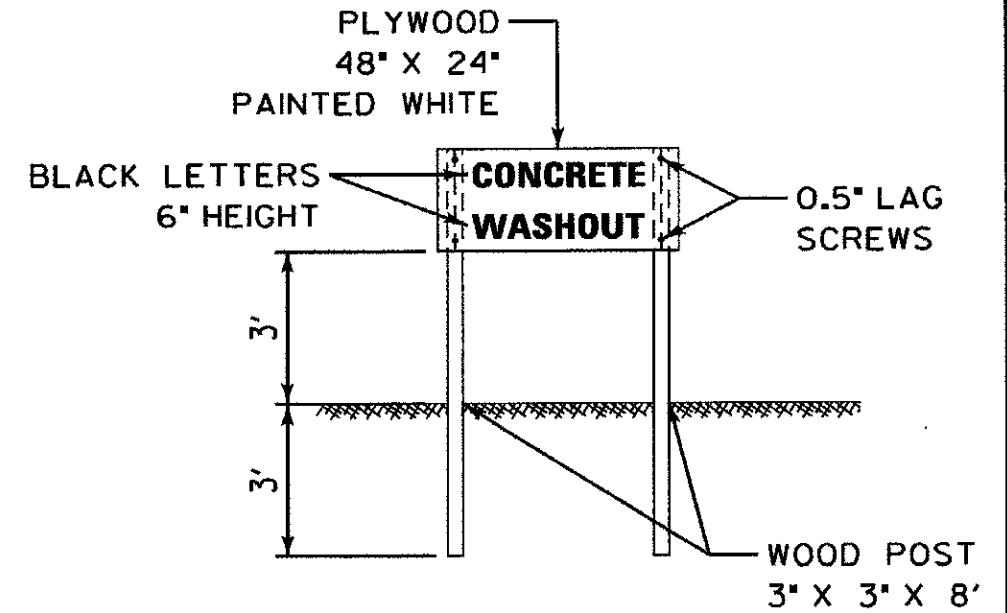
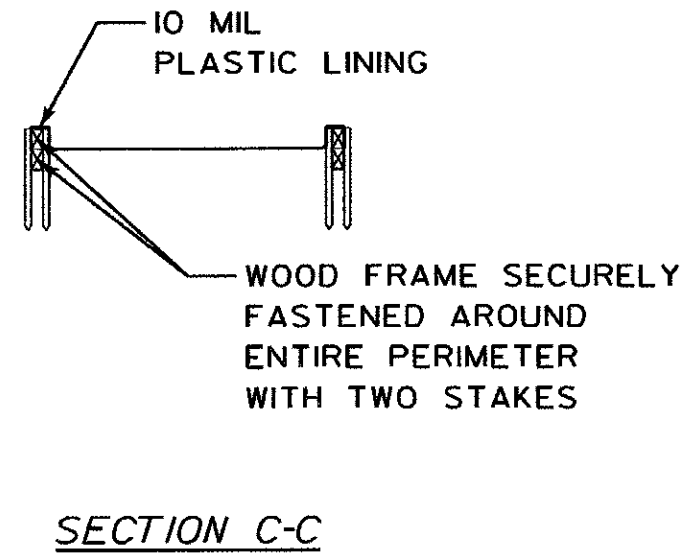
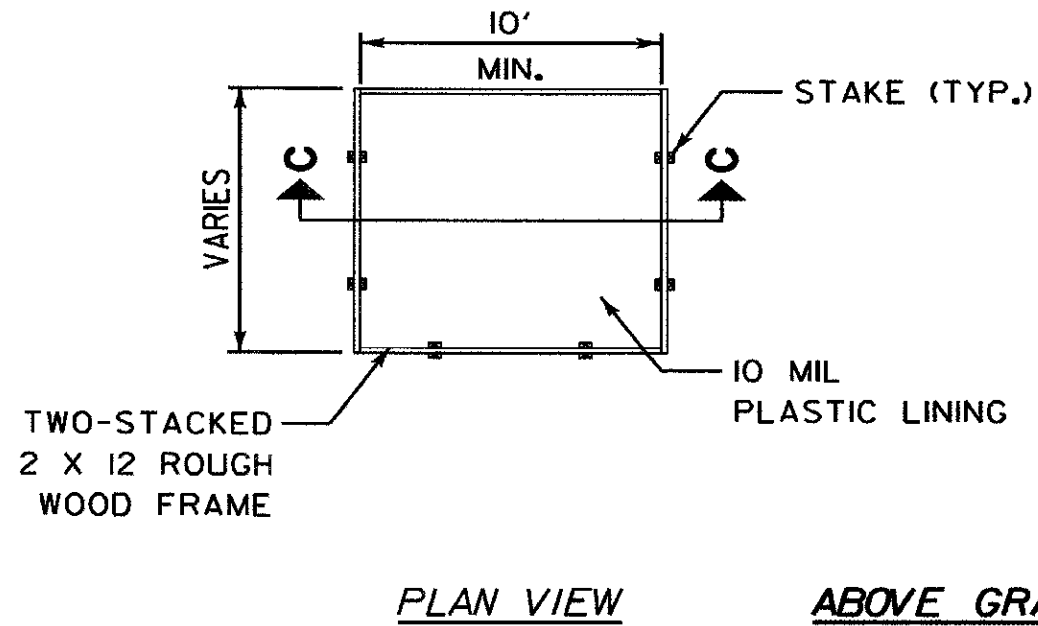
1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. OTHER WASHOUT DESIGNS MAY BE USED IF APPROVED BY THE ENGINEER.
3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

NOT TO SCALE

REVISIONS	DATE	 LakeCounty Division of Transportation	APPROVED BY: MGZ DATE: March 17, 2008	
			CONCRETE WASHOUT FACILITIES SHEET 1 OF 2	

LC4202

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NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. OTHER WASHOUT DESIGNS MAY BE USED IF APPROVED BY THE ENGINEER.
3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

NOT TO SCALE

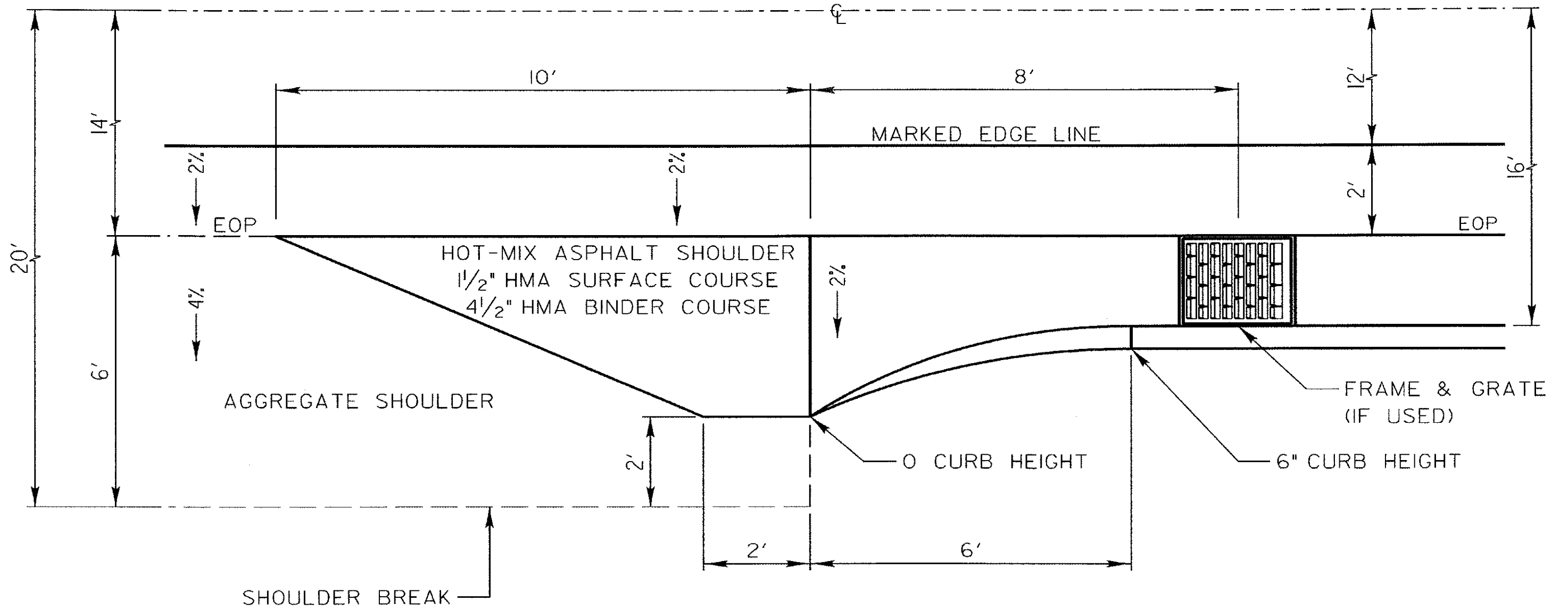
REVISIONS	DATE	Lake County Division of Transportation		APPROVED BY: MGZ DATE: March 17, 2008	
		CONCRETE WASHOUT FACILITIES SHEET 2 OF 2			
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		LCDOT STANDARD DRAWINGS		F.A.U. RTE. 0192	TOTAL SHEETS 69
SCALE: N.T.S.		SHEET NO. 5 OF 5 SHEETS		SECTION 06-00153-07-CH	COUNTY LAKE
				CONTRACT NO. 63682	
				ILLINOIS FED. AID PROJECT	

LC4202

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CRAWFORD, MURPHY & TILLY, INC.
CONSULTING ENGINEERS
License No. 04-00063

USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
PLOT SCALE = 40.0000 / 1 in.	DRAWN - MNB	REVISED -
PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -



SCALE: 1" = 3'

REVISIONS	DATE



LakeCounty
 Division of Transportation

APPROVED BY: M. G. ZEMAITIS
DATE: APRIL 1, 2007

TRANSITION FROM AGGREGATE SHOULDER TO B-6.24 FOR 16' OFFSET TO FACE

LC4800

FILE NAME: L:\LAKECON\122481\Drawings\LCDDI_STANDARD.P0.dgn


CMT
 CONSULTING ENGINEERS
 License No. 184-00063

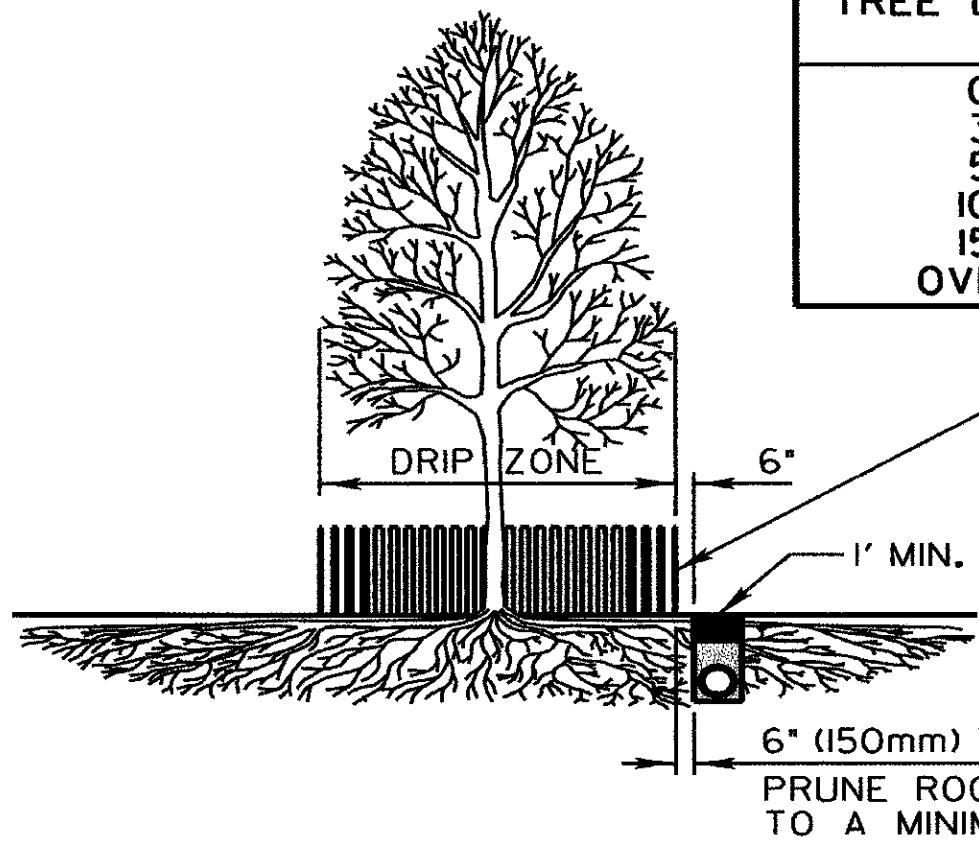
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	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

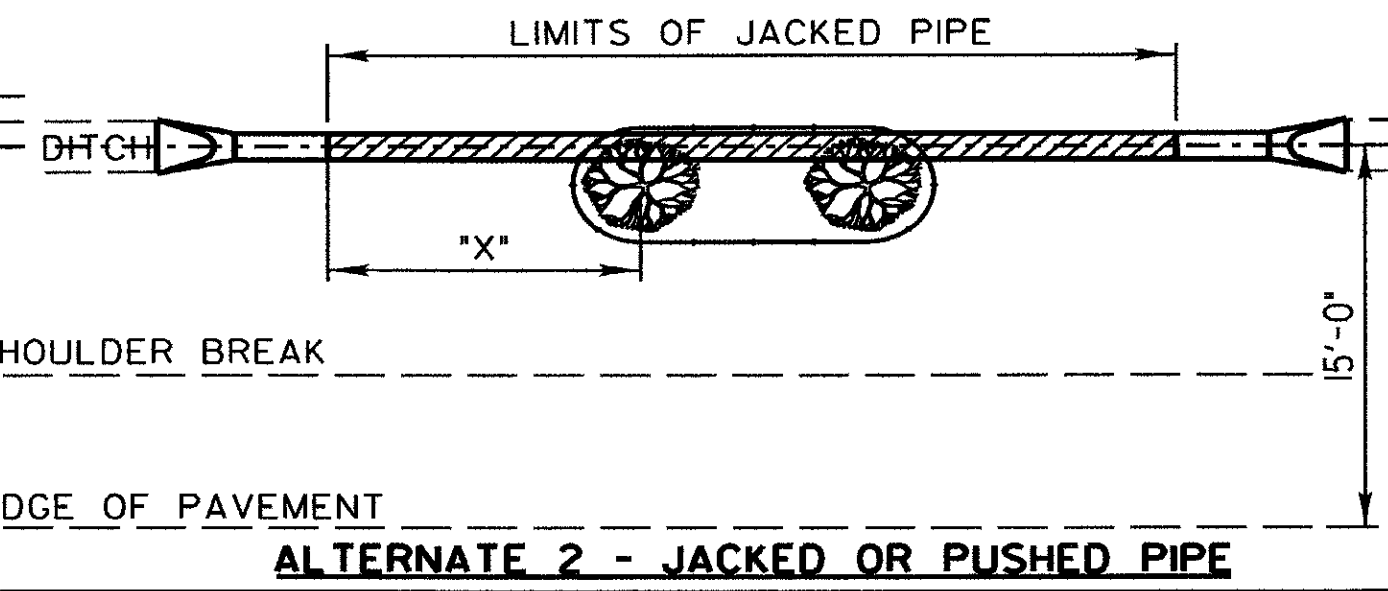
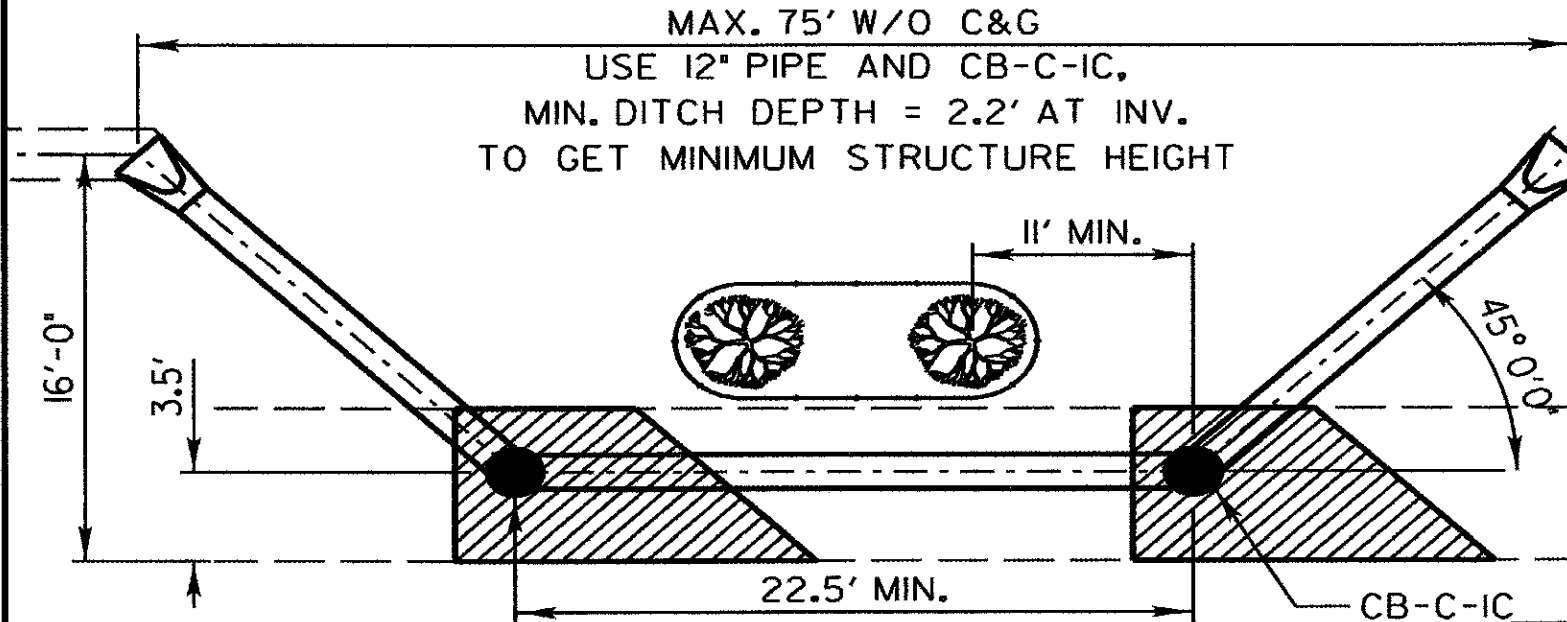
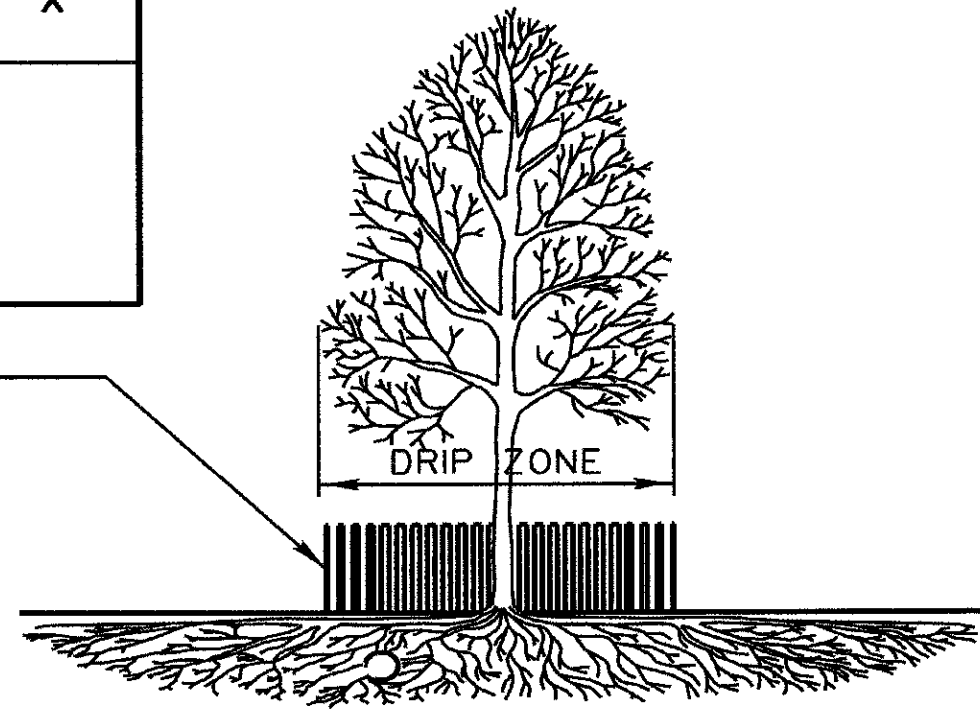
LCDOT STANDARD DRAWINGS
 SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	70
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RECOMMENDED OFFSET FROM OPEN TRENCH TO FACE OF TREE	
TREE DIAMETER IN.	OFFSET - "X" FT.
0-2	1
3-4	2
5-9	5
10-14	10
15-19	12
OVER 19	15



PLACE PHYSICAL BARRIER OUTSIDE OF DRIP ZONE



SEE ALSO LC4820 "HOT-MIX ASPHALT APRON FOR STRUCTURES IN AGGREGATE SHOULDERS."

ALTERNATE 1 - RELOCATED PIPE

ALTERNATE 2 - JACKED OR PUSHED PIPE

REVISIONS	DATE

LakeCounty
Division of Transportation

APPROVED BY: M. G. ZEMAITIS
DATE: APRIL 1, 2007

TREE PRESERVATION WITH STORM SEWER IN UNCURBED AREAS

LC5400

SCALE: 1" = 10'

FILE NAME: L:\PROJECTS\122480\Drawings\LC5400 - Standard\LC5400.dwg

CMT
CRAWFORD, MURPHY & TULLY, INC.
CONSULTING ENGINEERS
License No. 184-000613

USER NAME = Jeff Sedig
DESIGNED - MNB
DRAWN - MNB
CHECKED - CMC
DATE - 10/22/2012

PLOT SCALE = 1/8" = 1'-0"
PLOT DATE = 11/12/2012

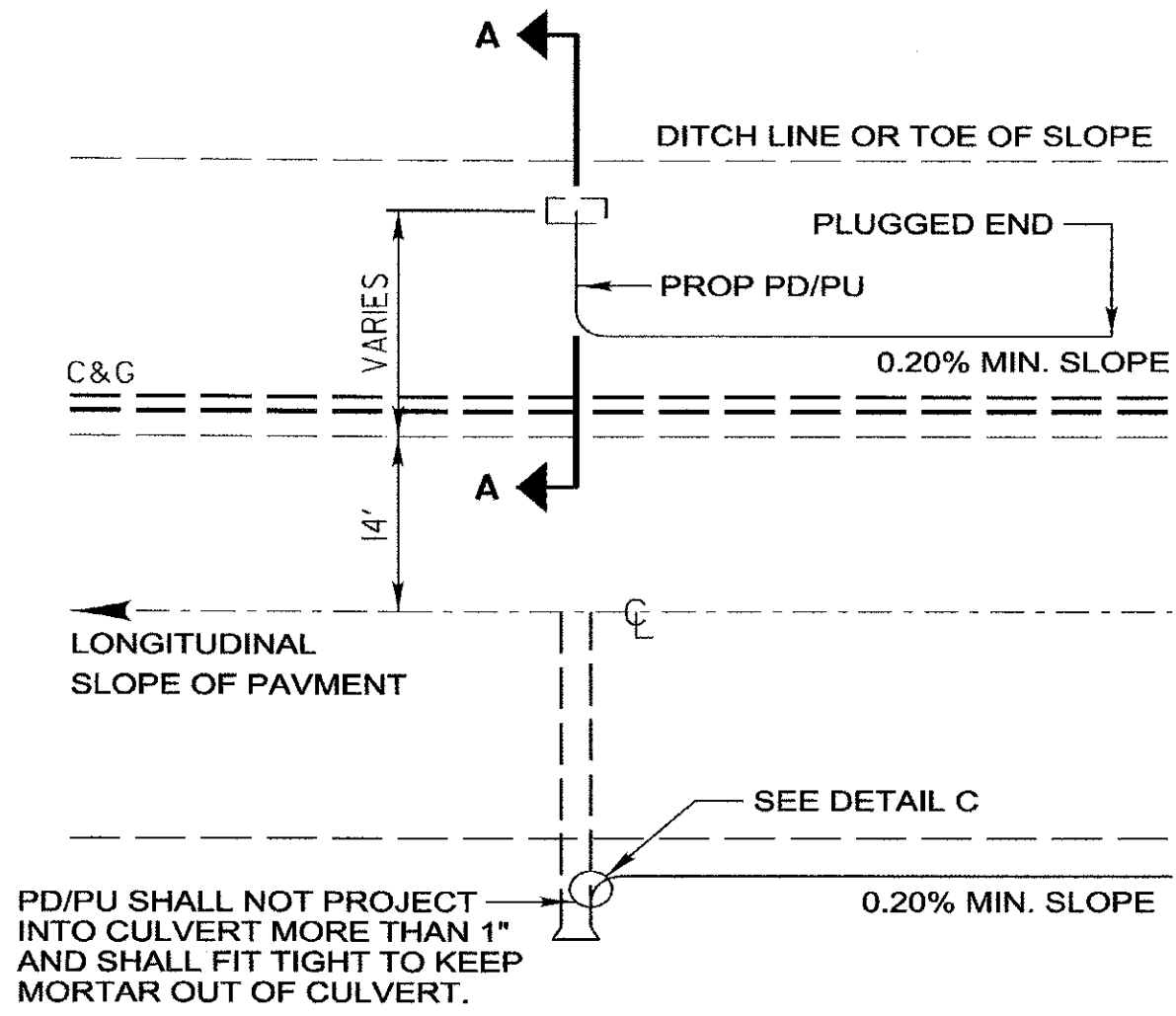
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LCDOT STANDARD DRAWINGS

SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	71
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 63682				



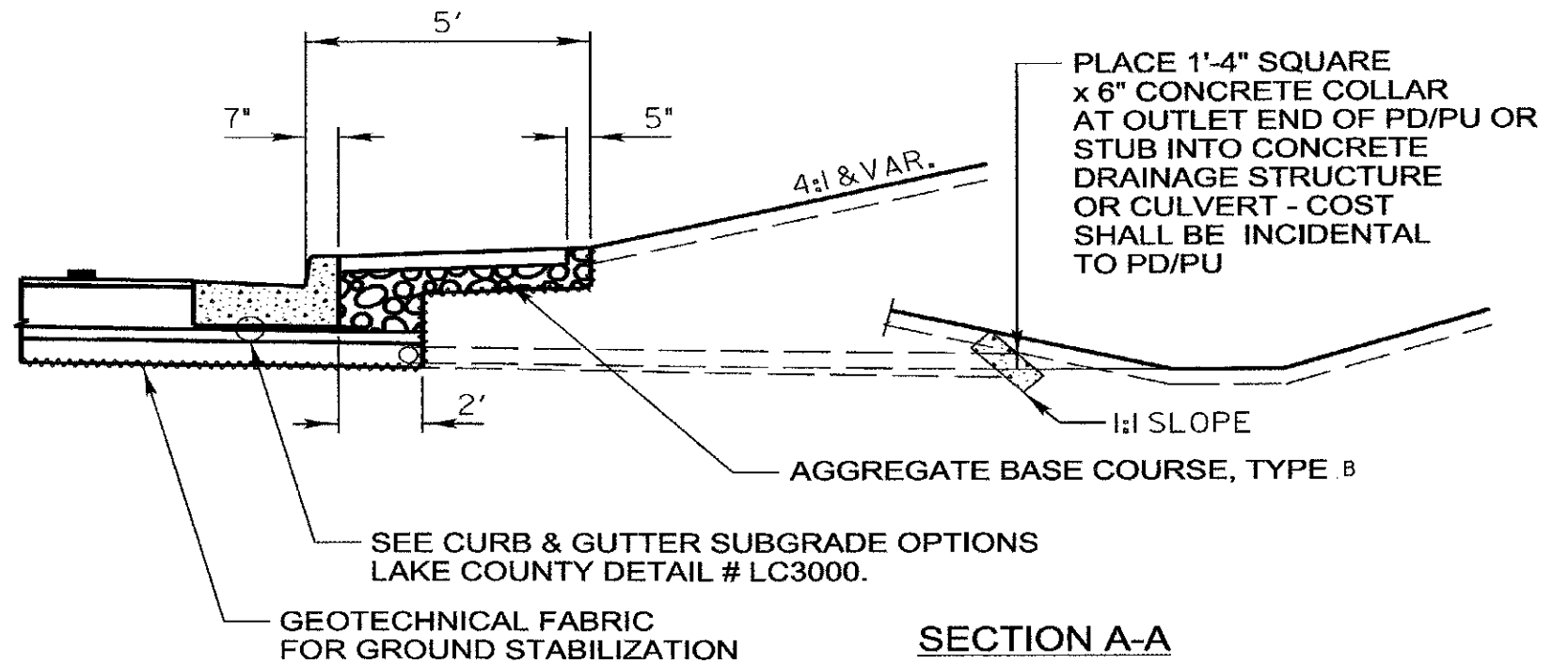
TYPICAL PIPE DRAIN/ PIPE UNDERDRAIN OUTLET

DESIGN NOTES:

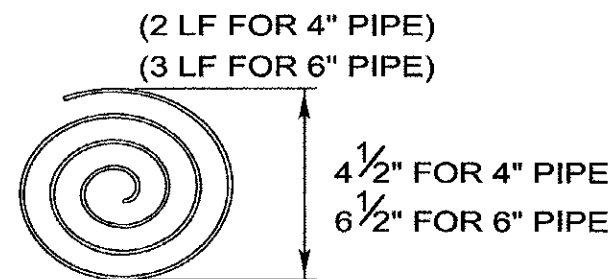
All work shall be according to the applicable portions of the "Standard Specifications" except as modified hereon.

In addition to the requirements of Article 601.08 of the "Standard Specifications", the contract unit price per foot for pipe drains 4" & 6" and pipe underdrains 4" shall include the cost of furnishing and placing the rodent shield.

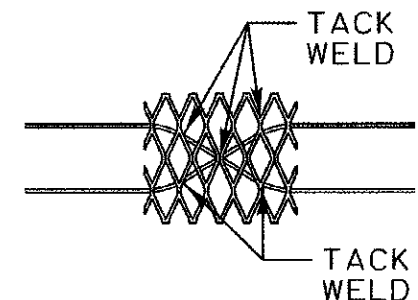
The removable rodent shield shall be furnished and installed in accordance with one of the configurations shown. The shield shall be fabricated from steel wire, or expanded metal, as detailed above and shall be galvanized after fabrication in accordance with AASHTO M-111. Other submitted designs for a removable rodent shield will be allowed with the approval of the Engineer.



SECTION A-A



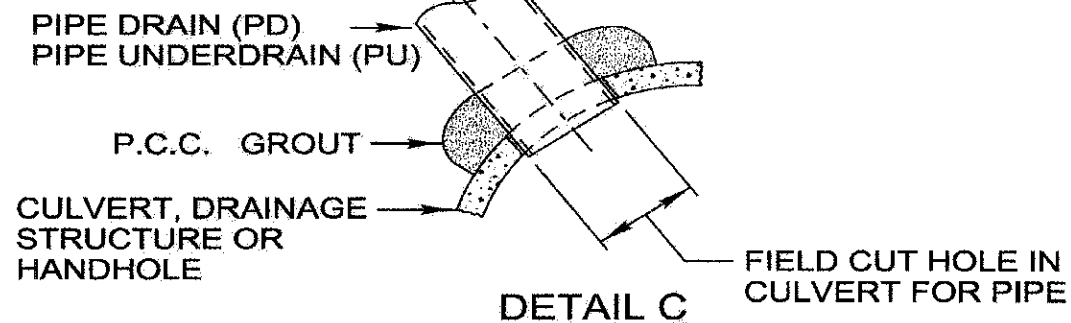
3/16" WIRE STOCK BENT TO A SPIRAL CONFIGURATION. TO INSTALL, TWIST INTO PD/PU END. (FOR CORRUGATED CIRCULAR METAL PIPE)



6"x6" EXPANDED METAL SHIELD WITH TWO 2'-6" LONG PREFABRICATED 6 GAGE STEEL STRUTS FOR SNUG FIT INTO THE PD/PU END.

RODENT SHIELDS DETAIL

(ALTERNATES) NOT TO SCALE



DETAIL C

REVISIONS	DATE
Pipe Drain Added to Labels	5/19/2009

<p>LakeCounty Division of Transportation</p>	<p>APPROVED BY: M. G. ZEMAITIS DATE: APRIL 1, 2007</p>
	<p>SUB-SURFACE DRAINS</p>

LC6020

FILE NAME = L:\LAKECO\1122481\CD\STANDARD.DWG

CMT
CRAWFORD, MURPHY & TOLLY, INC.
CONSULTING ENGINEERS
License No. 184-00063

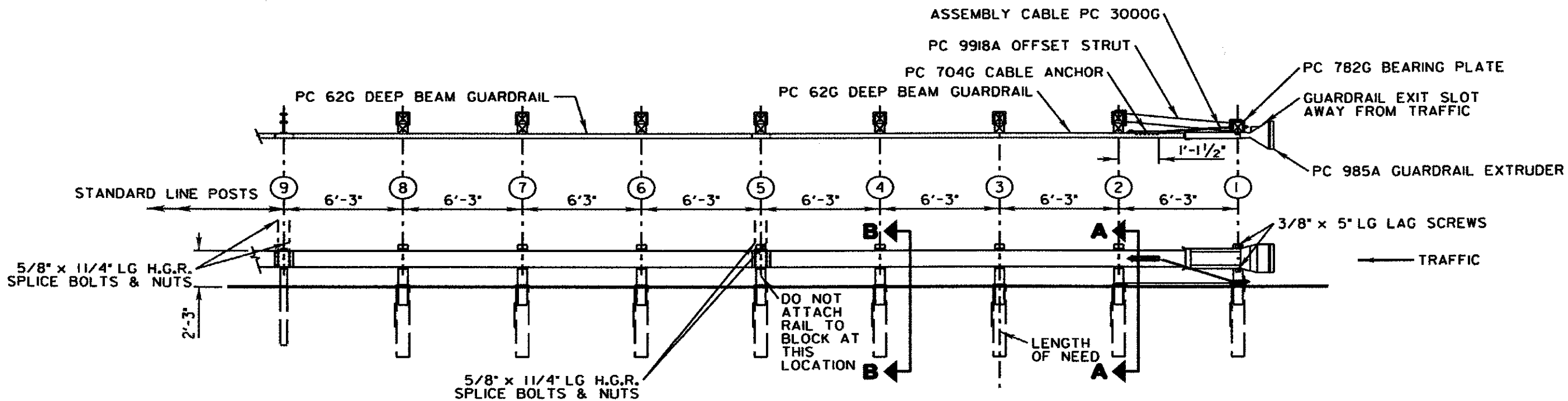
USER NAME = Jeff Sedig	DESIGNED - MNB	REVISIONS -
PLOT SCALE = 10,0000' / 1"	DRAWN - MNB	REVISIONS -
PLOT DATE = 11/12/2012	CHECKED - CMC	REVISIONS -
	DATE - 10/22/2012	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

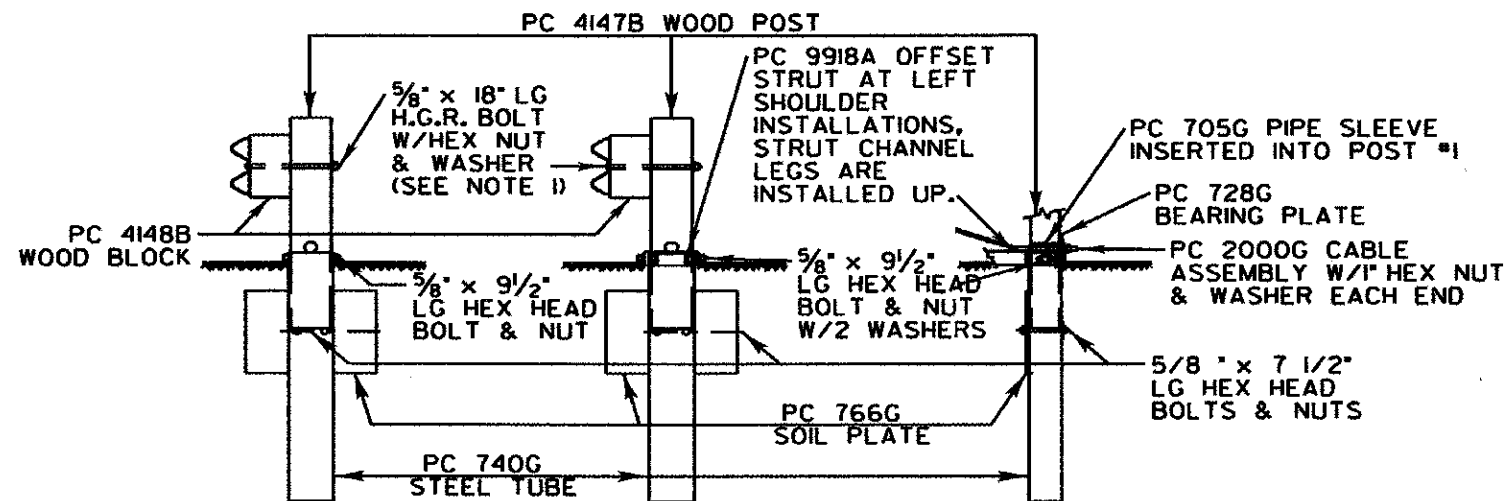
LCDOT STANDARD DRAWINGS

SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 73
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 63682				



SCALE: 1" = 6'



SECTION "B-B" (TYP @ POSTS #3, 4, 6, 7 & 8)
 SECTION "A-A" (@ POST #2)
 PARTIAL VIEW (@ POST #1)
 SCALE: 1" = 3'

NOTE: SECTION "B-B" IS SIMILAR @ POST #5 EXCEPT RAIL IS NOT ATTACHED.

BILL OF MATERIAL		
PC	QTY	DESCRIPTION
60G	1	DEEP BEAM GUARD RAIL (12GA)
62G	1	DEEP BEAM GUARD RAIL (12GA)
705G	1	PIPE SLEEVE
766G	8	SOIL PLATE
4148B	7	WOOD BLOCK
4147B	8	WOOD POST
740G	8	STEEL TUBE
782G	1	BEARING PLATE
704A	1	CABLE ANCHOR
3000G	1	CABLE ASSEMBLY
9918G	1	OFFSET STRUT
985A	1	GUARDRAIL EXTRUDER
HARDWARE		
3497G	8	5/8" x 9 1/2" HEX HD BOLT
3580G	7	5/8" x 18" H.G.R. POST BOLT
3360G	16	5/8" x 1 1/4" H.G.R. SPLICE BOLT
3478G	16	5/8" x 7 1/2" HEX HD BOLT
3340G	47	5/8" H.G.R. NUT
3300G	11	5/8" WASHER
3264G	2	3/8" x 5" LAG SCREW
3910G	2	1" HEX NUT
3900G	2	1" WASHER

NOTES:

- THE 5/8" FLAT WASHER IS USED UNDER THE NUT, BEHIND THE POST ONLY. NO WASHER IS USED AT THE RAIL.
- THE BREAKAWAY POSTS @ LOCATIONS #5, 6, 7 & 8 MAY BE AS SHOWN OR MAY UTILIZE POSTS AS SHOWN IN OPTION "B" WITHOUT FOUNDATION TUBES. (SEE DRAWING NO SS 241.) POSTS @ LOCATIONS #1, 2, 3 & 4 MUST USE FOUNDATION TUBES.
- THE ER-2000 WAS TESTED ON FLAT & LEVEL TERRAIN. IT IS NOT RECOMMENDED ON SLOPES.
- MANUFACTURER SUGGESTS CUSTOMER TO PROVIDE REFLECTORIZATION OF TERMINAL.

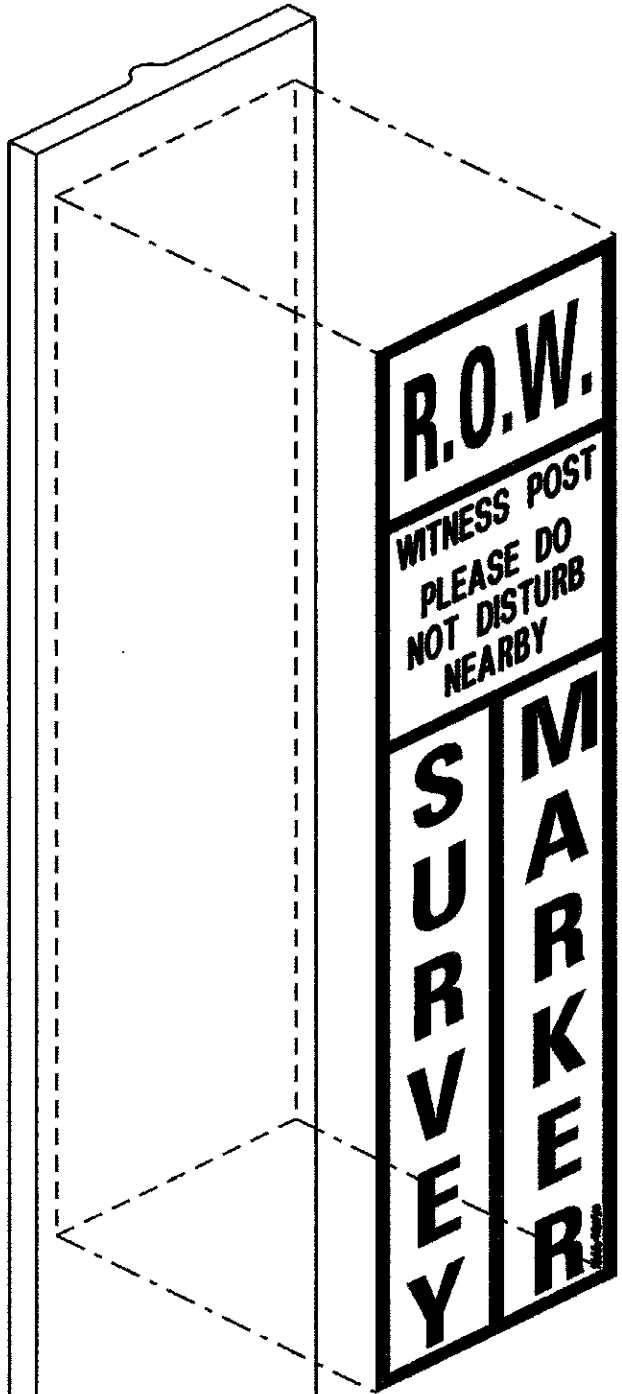
REVISIONS _____ _____ _____ _____ _____	DATE _____ _____ _____ _____ _____		APPROVED BY: A. KHAWAJA DATE: APRIL 1, 2007	LC6310	
			TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)		
			F.A.U. R.T.E. 0192 SECTION 06-00153-07-CH COUNTY LAKE TOTAL SHEETS 120 SHEET NO. 74		
			SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. N/A TO STA. N/A CONTRACT NO. 63682		
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

FILE NAME: L:\LAKECO\12248\10-14-06\Drawings\SS241.dwg

R.O.W.

**WITNESS POST
PLEASE DO
NOT DISTURB
NEARBY**

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R.O.W.

**WITNESS POST
PLEASE DO
NOT DISTURB
NEARBY**

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 **LakeCounty**
Division of Transportation

APPROVED BY: M. G. ZEMAITIS
DATE: APRIL 1, 2007

REVISIONS	DATE

WITNESS POST

LC6650

FILE NAME = L:\LAKEDCN\122460\Drawings\LC6650.dwg

 **CMT**
CRAWFORD, MURPHY & TALLY, INC.
CONSULTING ENGINEERS
License No. 84-000613

USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
	DRAWN - MNB	REVISED -
PLLOT SCALE = 40.0000' / 1" =	CHECKED - CMC	REVISED -
PLLOT DATE = 11/12/2012	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LCDOT STANDARD DRAWINGS

SCALE: **N.T.S.** SHEET NO. **5** OF **5** SHEETS STA. **N/A** TO STA. **N/A**

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	75
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63682	

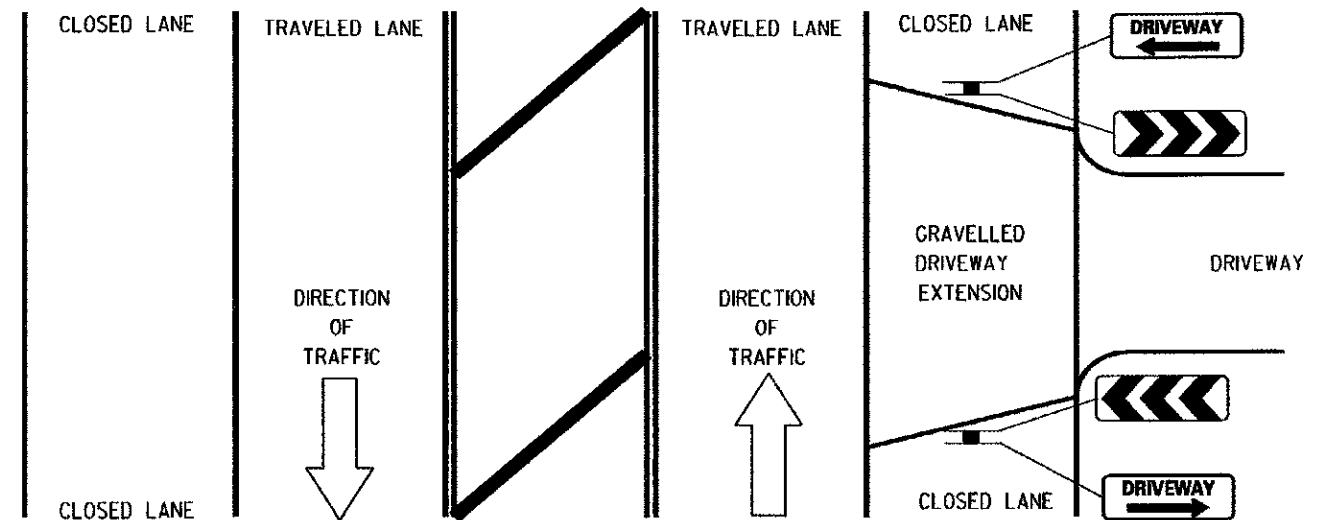


30" X 12" WHITE ON GREEN REFLECTIVE BACKGROUND, 1/2" BORDER, LETTER SIZE 4C



30" X 12" BLACK ON FLOURESCENT ORANGE CHEVRONS


EXAMPLE OF DRIVEWAY SIGN ASSEMBLY INSTALLATION



TEMPORARY CONSTRUCTION INFORMATION SIGNING NOTES:

1. The driveway and chevron signs shall be mounted back to back on the near side of the roadway where the entrance is located. There will be two sign assemblies per driveway.
2. Temporary construction information signs shall be post mounted 7' above the near edge of pavement and shall be a minimum of 6' beyond the edge of the nearest traveled lane, or as directed by the Engineer.
3. The retroreflective sign face shall be a minimum of Type "A" material.
4. The temporary construction information signs shall be removed or relocated when the Engineer determines the signs to be no longer necessary.
5. Existing traffic control signs and messages that are in conflict with the proposed maintenance of traffic shall be covered or modified with a temporary overlay as shown in the plans and/or as directed by the Engineer.
6. Install additional temporary sign panel assemblies as shown in the plans and/or directed by the Engineer.

REVISIONS	DATE
Revised Signs & Text	1/1/09


Lake County
 Division of Transportation

APPROVED BY: A KHAWAJA
DATE: APRIL 1, 2007


TEMPORARY CONSTRUCTION INFORMATION SIGNS
 SHEET 1 OF 2

LC7201

FILE NAME = L:\AR\ECN\12248\12248.DWG - 12/22/2012 10:58:10 AM - 12/22/2012 10:58:10 AM

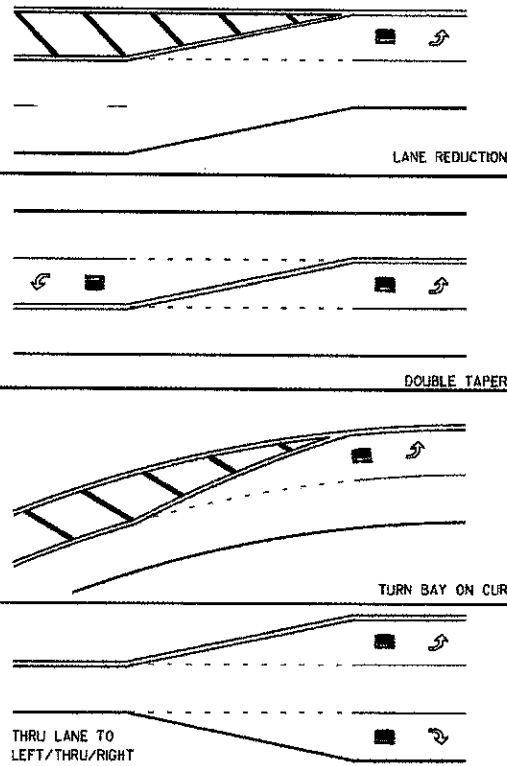


48" X 36"
 BLACK ON FLUORESCENT ORANGE
 REFLECTIVE BACKGROUND
 1" BORDER WITH 5/8" INSET
 LETTER SIZE 6D
 *LETTER SIZE 6E BOLD

REVISIONS	DATE	 LakeCounty Division of Transportation	APPROVED BY: A KHAWAJA DATE: APRIL 1, 2007		LC7201
			TEMPORARY CONSTRUCTION INFORMATION SIGNS SHEET 2 OF 2		

FILE NAME = L:\LAKE\CONTR122481\Drawings\CRDD_Sheets\LCDOT_STANDARD_16.dgn

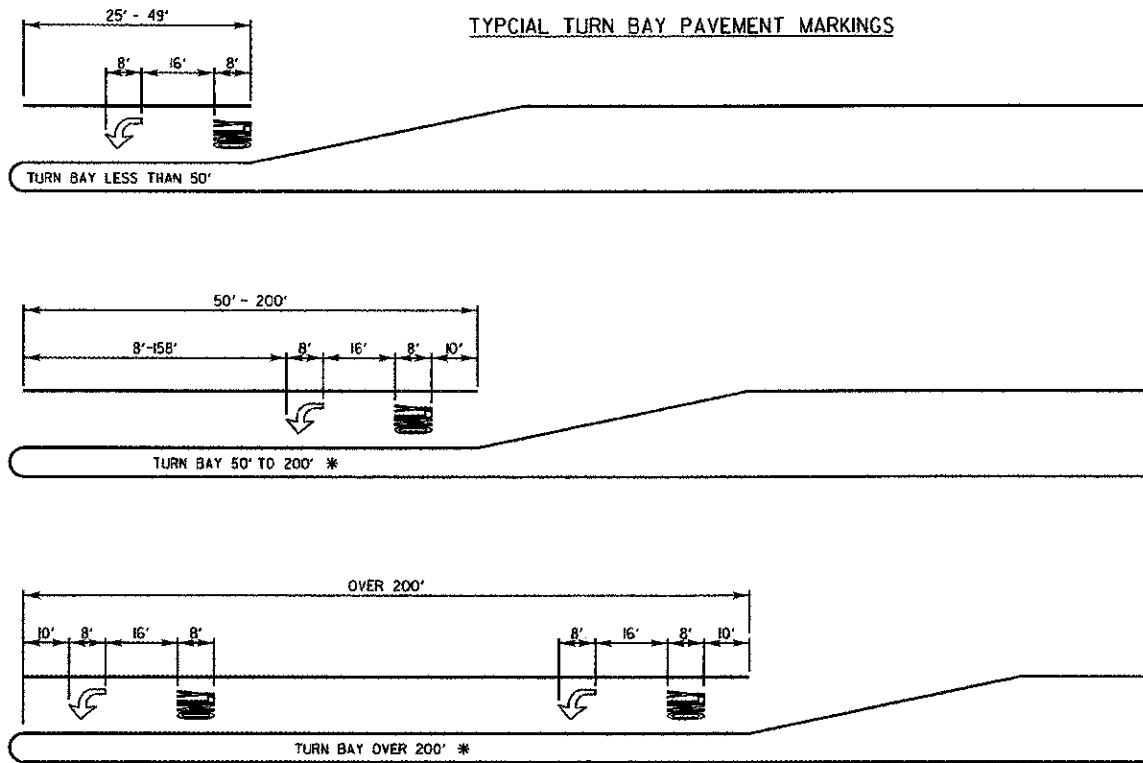
TYPICAL MINI-SKIP PAVEMENT MARKINGS



MINI-SKIPS ARE 2 FEET WHITE LINE WITH 6 FEET SPACING. THE MINI-SKIP IS THE SAME WIDTH AS THE PAVEMENT MARKING LINE, IT EXTENDS.

TYPICAL PAVEMENT MARKINGS

TYPICAL TURN BAY PAVEMENT MARKINGS



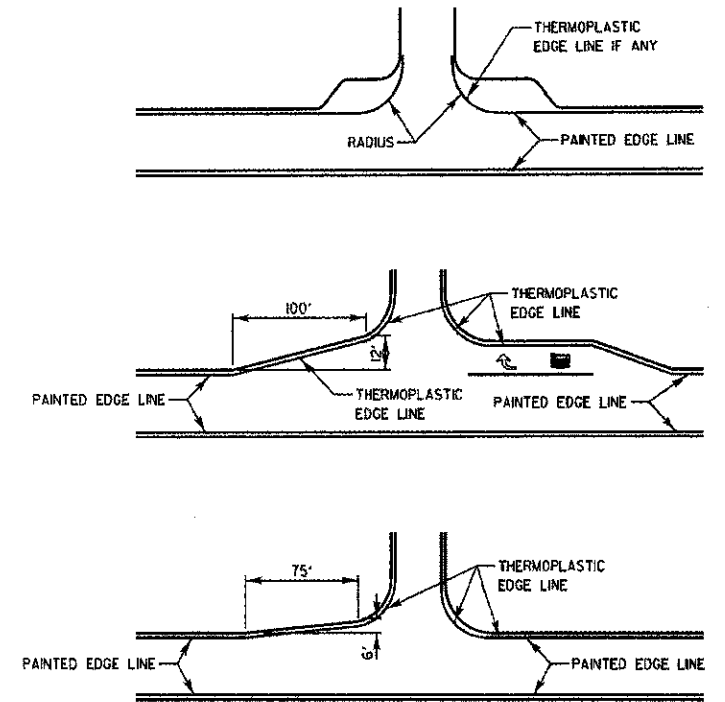
* AT INTERSECTIONS WITH VIDEO DETECTION, THE ARROW AND ONLY PAVEMENT MARKINGS SHALL BE A MINIMUM OF 30' BEHIND THE STOP BAR.

AREA = 15.6 SQ. FT.

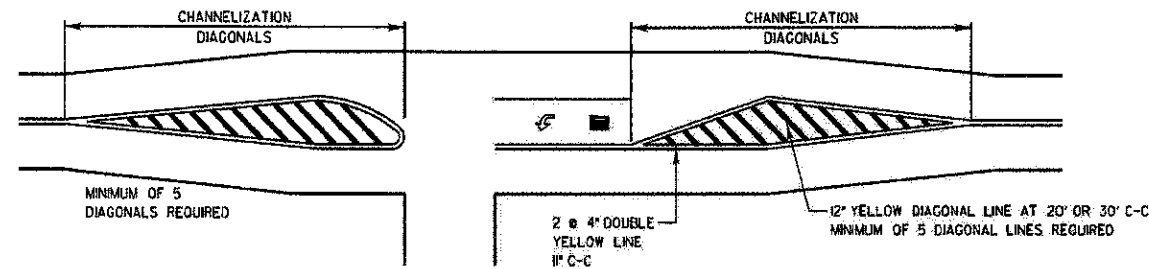
AREA = 20.8 SQ. FT.

FULL SIZE LETTERS (8") AND ARROWS SHALL BE USED. TURN LANES IN EXCESS OF 400' IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW W/ "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW W/ "ONLY".

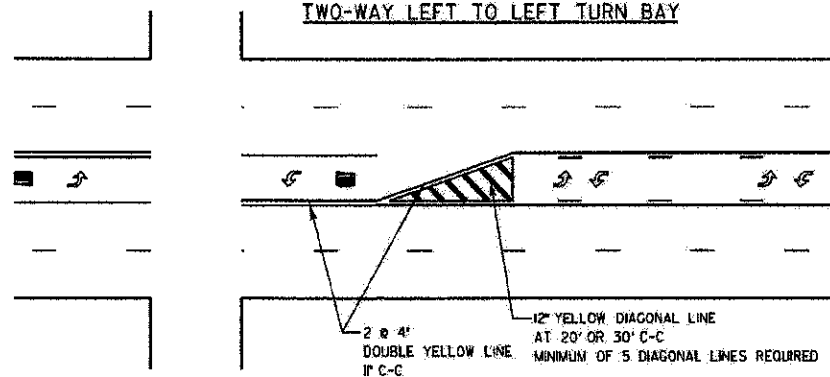
EDGE LINE RADII AT SIDE STREETS



TWO LANE ROAD

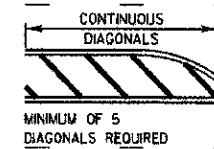


TWO-WAY LEFT TO LEFT TURN BAY

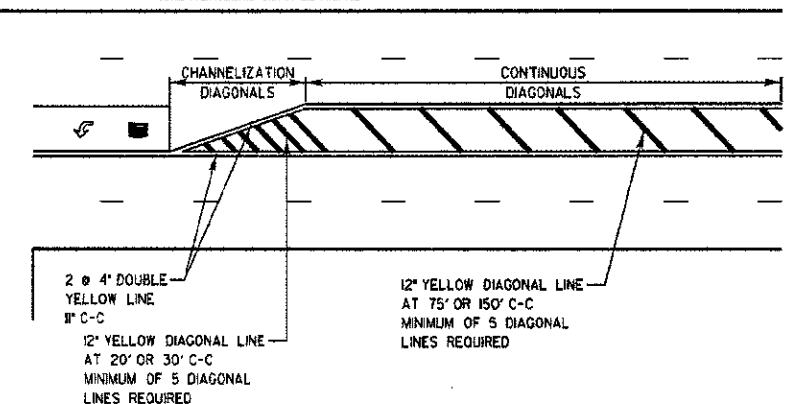


TYPICAL DIAGONAL SPACING

SPEED LIMIT RANGE	DIAGONAL SPACING	
	CONTINUOUS	INTERSECTION CHANNELIZATION
30-45 MPH	75 FT.	20 FT.
OVER 45 MPH	150 FT.	30 FT.



3 TO 5 LANE ROAD



DUAL LEFT TURN ARROWS



31.2 SQ. FT. MINIMUM OF 2 SETS REQUIRED

A MINIMUM OF TWO PAIRS OF DUAL LEFT TURN ARROWS SHALL BE USED, THE DUAL LEFT TURN ARROWS SHALL BE WHITE IN COLOR. THE INTERVAL BETWEEN SETS OF DUAL LEFT TURN ARROWS SHOULD BE 200' AND 300'.

REVISIONS	DATE
Separated Railroad Sheet	06/02/08



APPROVED BY: A. KHAWAJA
DATE: APRIL 1, 2007

TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS
SHEET 1 OF 2

LC7800

FILE NAME: L:\ALAMEDA\122481\Drawings\CDOT_Signage\CDOT_Signage\RD_17.dwg



USER NAME = Jeff Sedig	DESIGNED - MNB	REVISED -
PLOT SCALE = 40.0000' / 1" IN.	DRAWN - MNB	REVISED -
PLT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE = 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

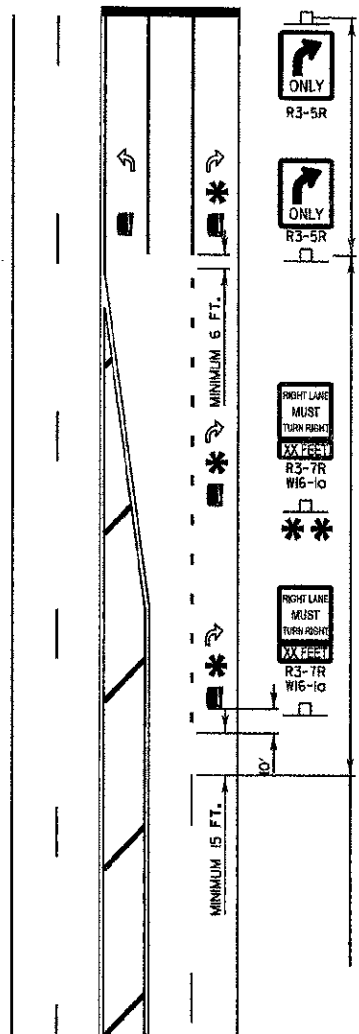
LCDOT STANDARD DRAWINGS

SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 78
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

THRU LANE TO TURN LANE CONVERSION

TYPICAL PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS



TURN BAY
6" WHITE LINE
(ADDITIONAL PAV'T MARKINGS AS SHOWN ON SHEET ONE OF THE L.C.D.O.T PAV'T MARKINGS DETAIL SHEETS)

TRANSITION ZONE
6" WHITE 3/12" SKIP DASH LANE LINE

THRU LANE
4" WHITE 10/30" SKIP DASH LANE LINE

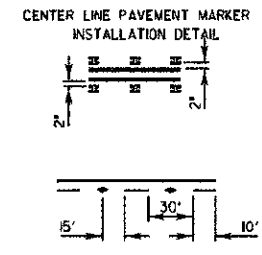
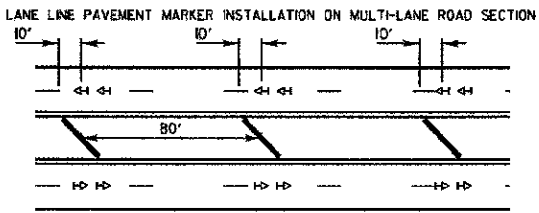
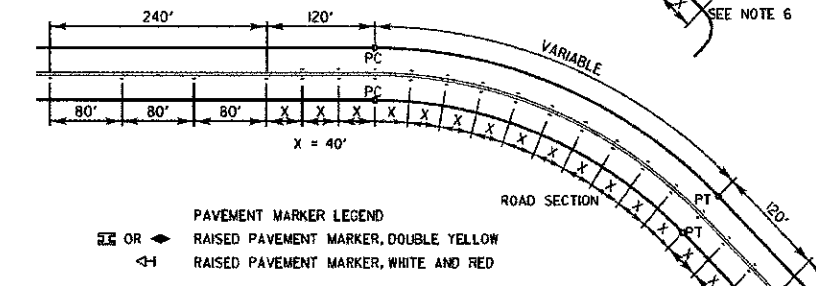
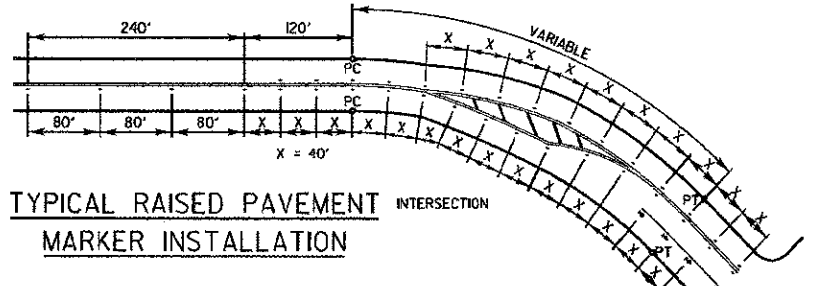
MINIMUM TRANSITION ZONE LENGTH

POSTED SPEED	LENGTH
25 M.P.H.	255 FT.
30 M.P.H.	330 FT.
35 M.P.H.	405 FT.
40 M.P.H.	480 FT.
45 M.P.H.	555 FT.
50 M.P.H.	630 FT.
55 M.P.H.	705 FT.

* LOCATION OF PAV'T MARKINGS (MEASURED FROM BEGINNING OF TRANSITION ZONE)

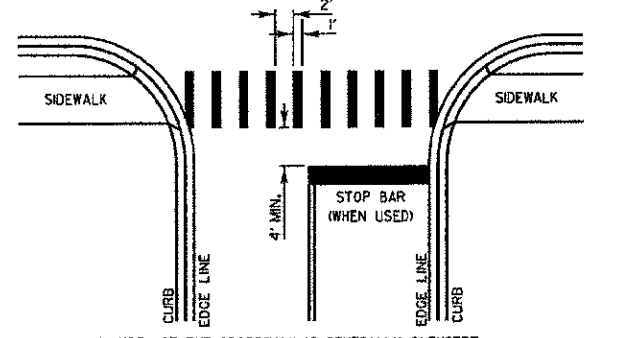
POSTED SPEED	LOCATION OF PAV'T MARKINGS
25 M.P.H.	10 FT., 260 FT.
30 M.P.H.	10 FT., 170 FT., 340 FT.
35 M.P.H.	10 FT., 210 FT., 40 FT.
40 M.P.H.	10 FT., 170 FT., 330 FT., 490 FT.
45 M.P.H.	10 FT., 190 FT., 370 FT., 560 FT.
50 M.P.H.	10 FT., 170 FT., 330 FT., 490 FT., 640 FT.
55 M.P.H.	10 FT., 180 FT., 350 FT., 520 FT., 710 FT.

FOR POSTED SPEEDS 40 M.P.H. OR GREATER A SECOND R3-7/W6-1a SIGN INSTALLATION SHALL BE LOCATED HALFWAY BETWEEN THE BEGINNING OF THE TRANSITION ZONE AND THE BEGINNING OF THE TURN LANE



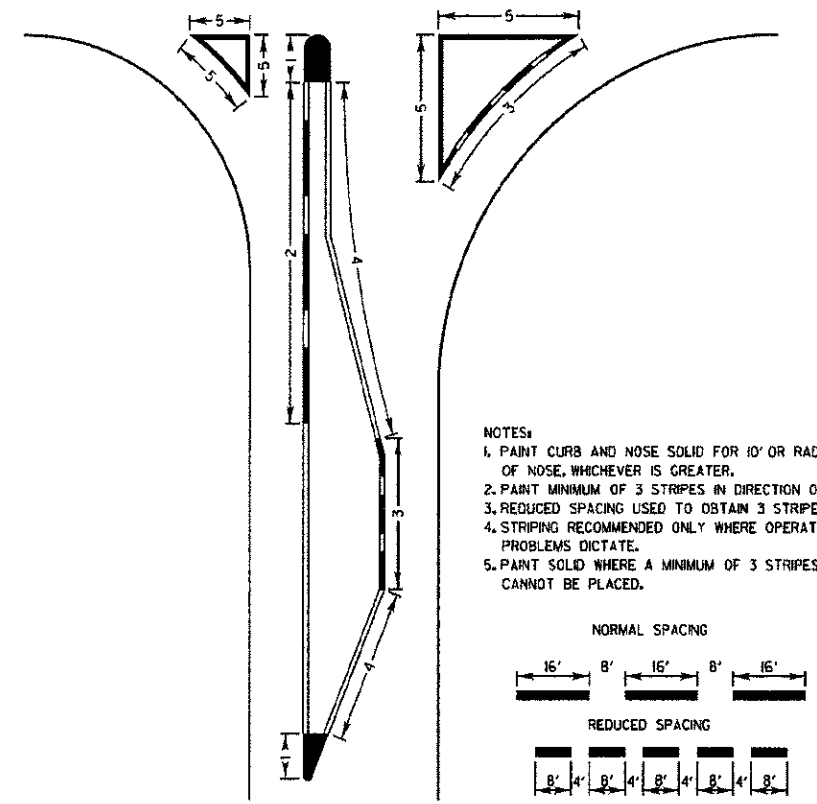
- NOTES:
- CENTERLINE RAISED PAVEMENT MARKERS (RPM'S) SHALL BE PLACED ON ALL CURVES OVER 3 1/2 DEGREES ON ALL TWO AND THREE LANE HIGHWAYS, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 - SPACING = 40' FOR CENTERLINE MARKERS.
 - ALL RPM'S ON CENTERLINE ARE 2-WAY YELLOW. LANE LINE MARKERS ARE WHITE/RED.
 - MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH F.H.W.A. MEMORANDUM HO-21.
 - MARKERS SHALL BE FIELD ADJUSTED TO BE LOCATED IN CENTER OF THE 30' GAP OF A 30'/10' SKIP/DASH CENTERLINE.
 - RPM'S WHICH ARE TO BE LOCATED WITHIN THE INTERSECTION OF A CROSS STREET, SHALL NOT BE INSTALLED.
 - A MINIMUM OF 4 WHITE/RED MARKERS SHALL BE INSTALLED ALONG THE TURN LANE LINE.
 - RPM'S INSTALLED ON MULTI-LANE ROAD SECTIONS SHALL BE INSTALLED ON THE WHITE SKIP-DASH LANE LINE ONLY. THESE RPM'S SHALL BE INSTALLED IN PAIRS AND SHALL BE 80' CENTER TO CENTER. SPACING WITHIN EACH PAIR SHALL BE 10', CENTERED WITHIN THE 30' SKIP.

CROSSWALKS

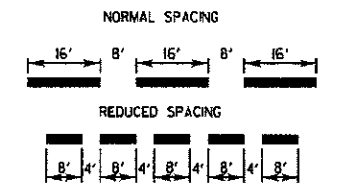


- WIDTH OF THE CROSSWALK IS GENERALLY 6' EXCEPT AT SCHOOL CROSSINGS AND BICYCLE CROSSINGS, WHICH CAN BE 8'.
- THE STOP BAR SHOULD BE INSTALLED A MINIMUM OF 4' IN ADVANCE OF THE CROSSWALK.

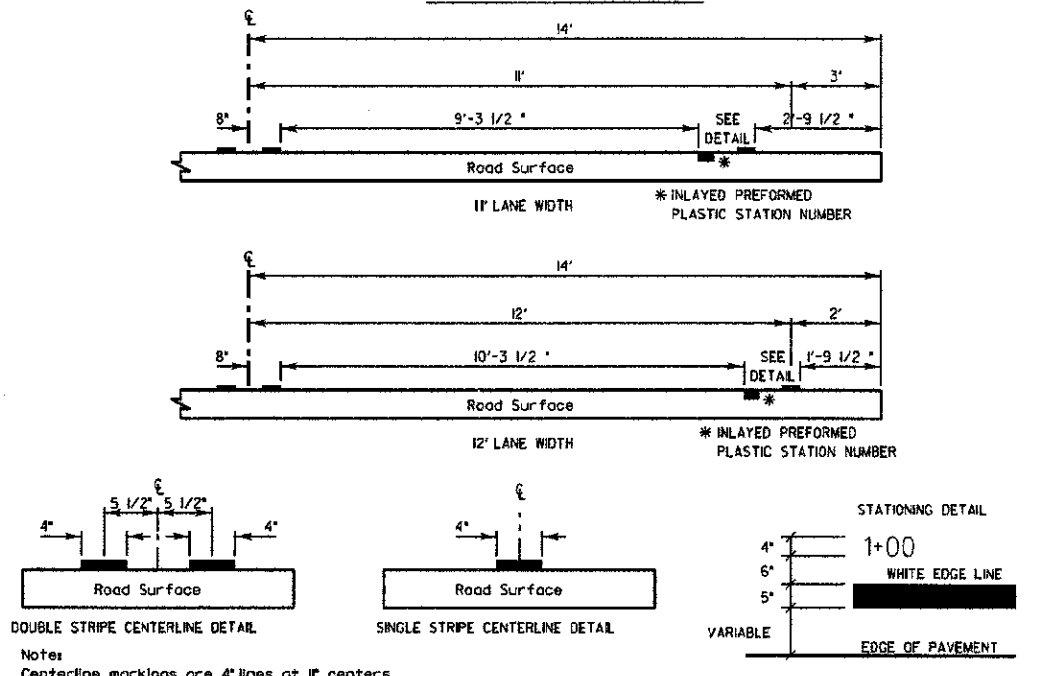
CURB MARKING



- NOTES:
- PAINT CURB AND NOSE SOLID FOR 10' OR RADIUS OF NOSE, WHICHEVER IS GREATER.
 - PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
 - REDUCED SPACING USED TO OBTAIN 3 STRIPES MINIMUM.
 - STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
 - PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.



PAVEMENT CROSS SECTION SHOWING TYPICAL PAVEMENT MARKINGS (2-LANE ROADWAY)



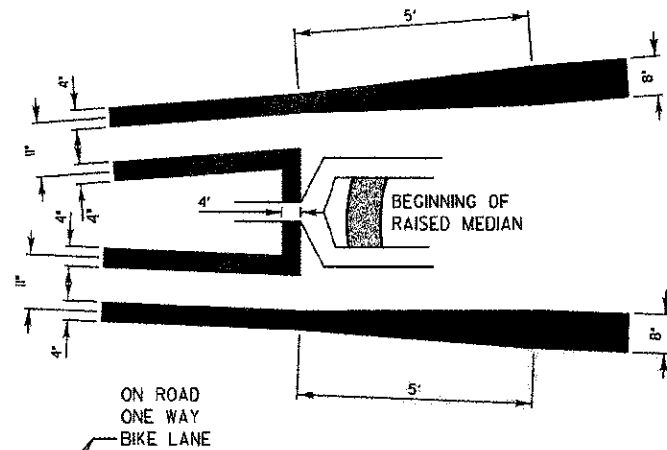
Notes: Centerline markings are 4" lines at 11' centers.

PAVEMENT MARKING GUIDELINES				
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE OF 2 LANE PAVEMENT	4 IN.	SKIP-DASH	YELLOW	10 FT. LINE WITH 30 FT. SPACE
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 IN. 2 @ 4 IN.	SOLID	YELLOW	5 1/2 IN. C.C. FROM SKIP-DASH CENTERLINE 11 IN. C.C. (LIMIT SKIP-DASH CENTERLINE BETWEEN)
CENTERLINE ON MULTI-LANE UNDIVIDED	2 @ 4 IN.	SOLID	YELLOW	11 IN. C.C.
LANE LINES	4 IN.	SKIP-DASH	WHITE	10 FT. LINE WITH 30 FT. SPACE
DOTTED LINES (EXTENSIONS OF CENTERLINE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2 FT. LINE WITH 6 FT. SPACE
EDGE LINES	5 IN. WHITE 4 IN. YELLOW	SOLID	WHITE - RIGHT YELLOW - LEFT	OUTLINE RAISED MEDIANS IN YELLOW
TURN LANE MARKINGS	6 IN. LINE FULL SIZE LETTERS AND SYMBOLS (8 FT.)	SOLID	WHITE	TURN ARROW 156 SQ. FT. STRAIGHT ARROW 115 SQ. FT. ONLY 208 SQ. FT. COMB. ARROW 260 SQ. FT.
TWO WAY LEFT TURN MARKING	2 @ 4 IN. EACH DIRECTION 8 FT. LEFT ARROW	SKIP-DASH AND SOLID	YELLOW	10 FT. LINE WITH 30 FT. SPACE FOR SKIP-DASH 5 1/2 IN. C.C. BETWEEN SKIP-DASH LINE AND SOLID LINE
CROSSWALK	12 IN. @ 30'	SOLID	WHITE	12 IN. LONGITUDINAL BAR WITH 24 IN. SPACE 8 FT. TO 12 FT. WIDE SEE TYPICAL CROSSWALK MARKING DETAIL
STOP BARS	24 IN.	SOLID	WHITE	PLACE 4 FT. IN ADVANCE OF AND PARALLEL TO CROSSWALK. IF PRESENT OTHERWISE PLACE AT DESIRED STOPPING POINT.
PAINTED MEDIANS	2 @ 4 IN. WITH 11 IN. DIAGONALS @ 45' NO DIAGONALS USED FOR 4 FT. WIDE MEDIAN	SOLID	YELLOW - 2-WAY TRAFFIC WHITE - HWY TRAFFIC	11 IN. C.C. FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING DETAIL MINIMUM OF 5 DIAGONALS
GORE MARKING AND CHANNELIZING LINES	8 IN. WITH 12 IN. DIAGONALS @ 45'	SOLID	WHITE	DIAGONALS 15 FT. C.C. (LESS THAN 30 M.P.H.) 20 FT. C.C. (30 TO 45 M.P.H.) 30 FT. C.C. (OVER 45 M.P.H.) MINIMUM OF 5 DIAGONALS
R.R. CROSSING	24 IN. TRANSVERSE LINES RR IS 6 FT. LETTER 16 IN. LINE FOR "X"	SOLID	WHITE	SEE TYPICAL RR CROSSING MARKING DETAIL SOFT AREA OF 7" x 36 SQ. FT. / 7" x 540 SQ. FT.
SHOULDER DIAGONALS	12 IN. @ 45'	SOLID	WHITE - RIGHT YELLOW - LEFT	50 FT. C.C. (LESS THAN 30 M.P.H.) 75 FT. C.C. (30 TO 45 M.P.H.) 100 FT. C.C. (OVER 45 M.P.H.) MINIMUM OF 5 DIAGONALS

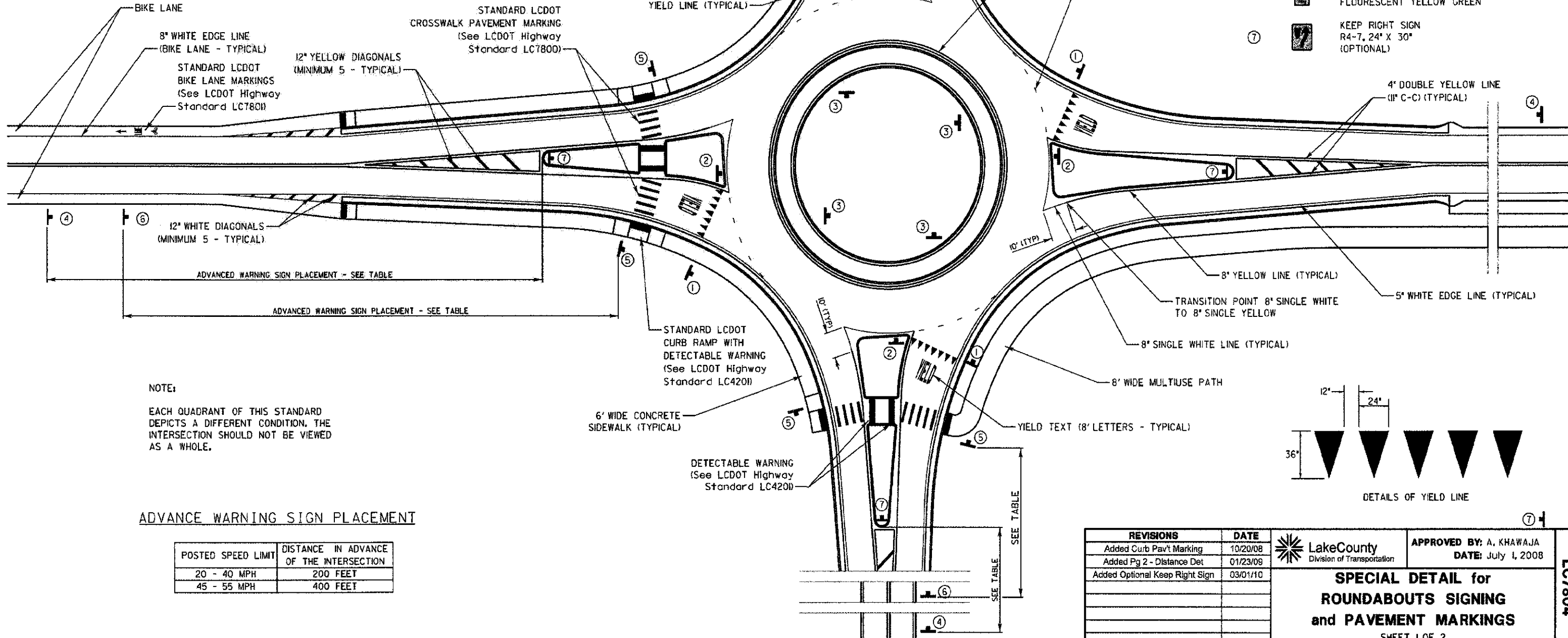
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO PART 11 MARKINGS IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ILLINOIS HIGHWAY STANDARD 78000 EFFECTIVE JAN. 9, 1998.

REVISIONS	DATE	Lake County Division of Transportation	
Separated Railroad Sheet	06/02/08	APPROVED BY: A. KHAWAJA DATE: APRIL 1, 2007	
TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS			
SHEET 2 OF 2			

SPECIAL DETAIL FOR ROUNDABOUTS SIGNING and PAVEMENT MARKINGS



DETAILS OF 4' LINE TO 8' LINE TRANSITION
THE TRANSITION FROM THE 4' YELLOW LINE TO THE 8' YELLOW LINE SHALL START AT THE BEGINNING OF THE RAISED MEDIAN. THE WIDENING OF THE LINE SHALL BE ACCOMPLISHED WITH A SMOOTH TRANSITION AS SHOWN IN THE ABOVE DRAWING.



NOTE:
EACH QUADRANT OF THIS STANDARD DEPICTS A DIFFERENT CONDITION. THE INTERSECTION SHOULD NOT BE VIEWED AS A WHOLE.

ADVANCE WARNING SIGN PLACEMENT

POSTED SPEED LIMIT	DISTANCE IN ADVANCE OF THE INTERSECTION
20 - 40 MPH	200 FEET
45 - 55 MPH	400 FEET

REVISIONS	DATE
Added Curb Pav't Marking	10/20/08
Added Pg 2 - Distance Det	01/23/09
Added Optional Keep Right Sign	03/01/10

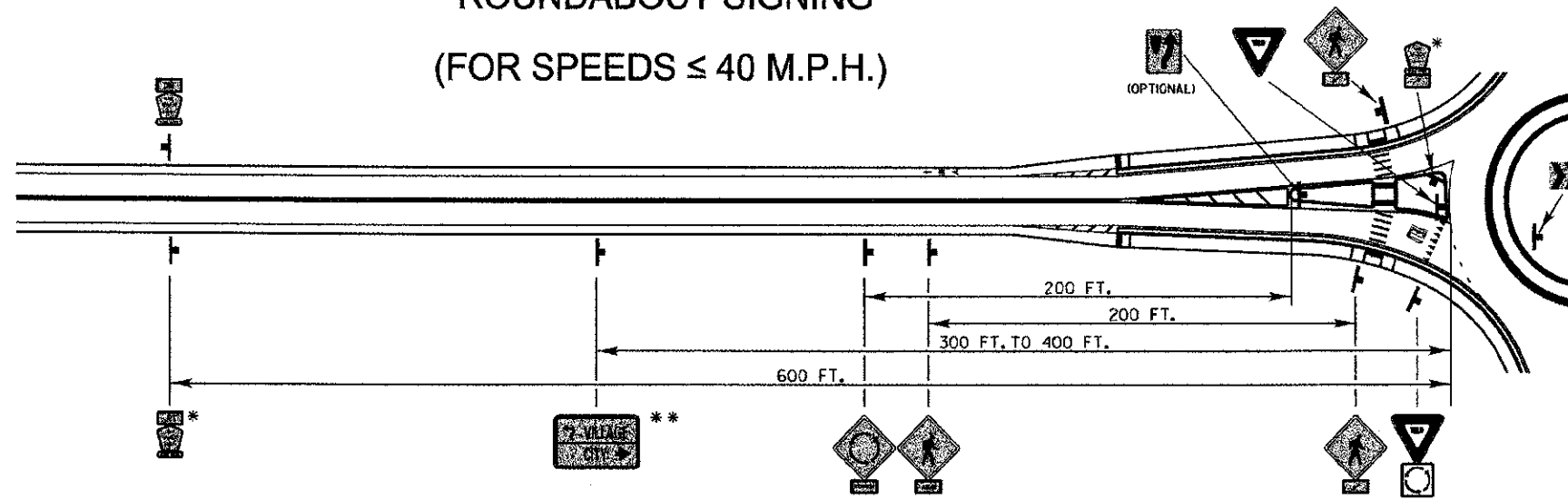
LakeCounty
Division of Transportation
APPROVED BY: A. KHAWAJA
DATE: July 1, 2008

**SPECIAL DETAIL for
ROUNDABOUTS SIGNING
and PAVEMENT MARKINGS**
SHEET 1 OF 2

LC7804

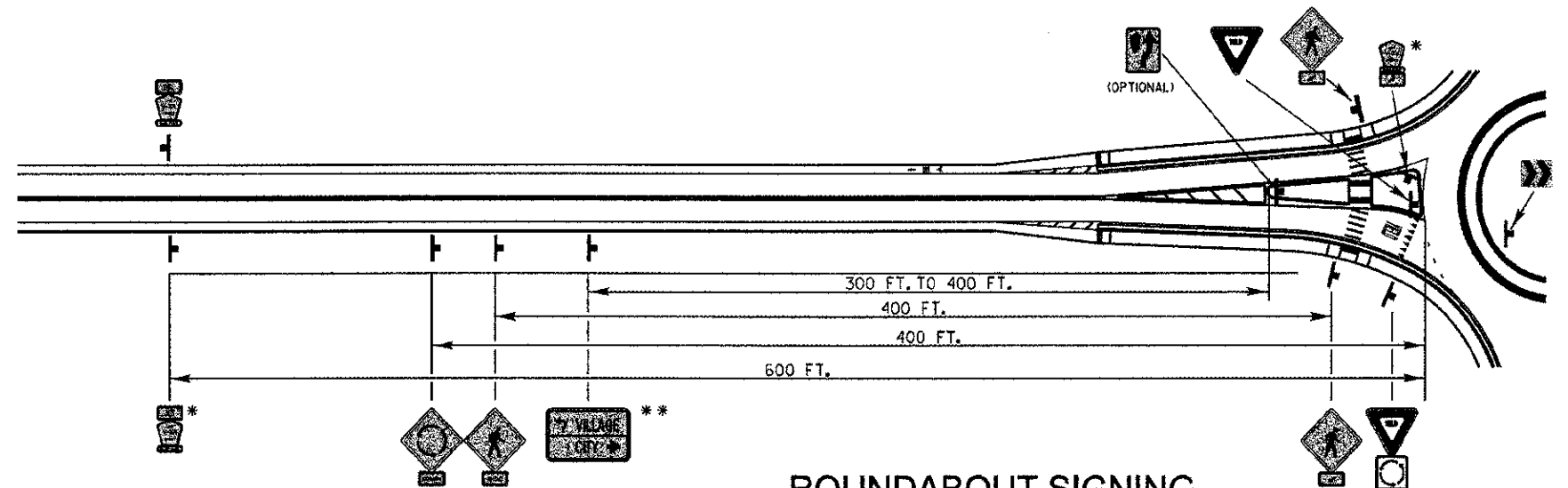
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ROUNDAABOUT SIGNING
(FOR SPEEDS \leq 40 M.P.H.)



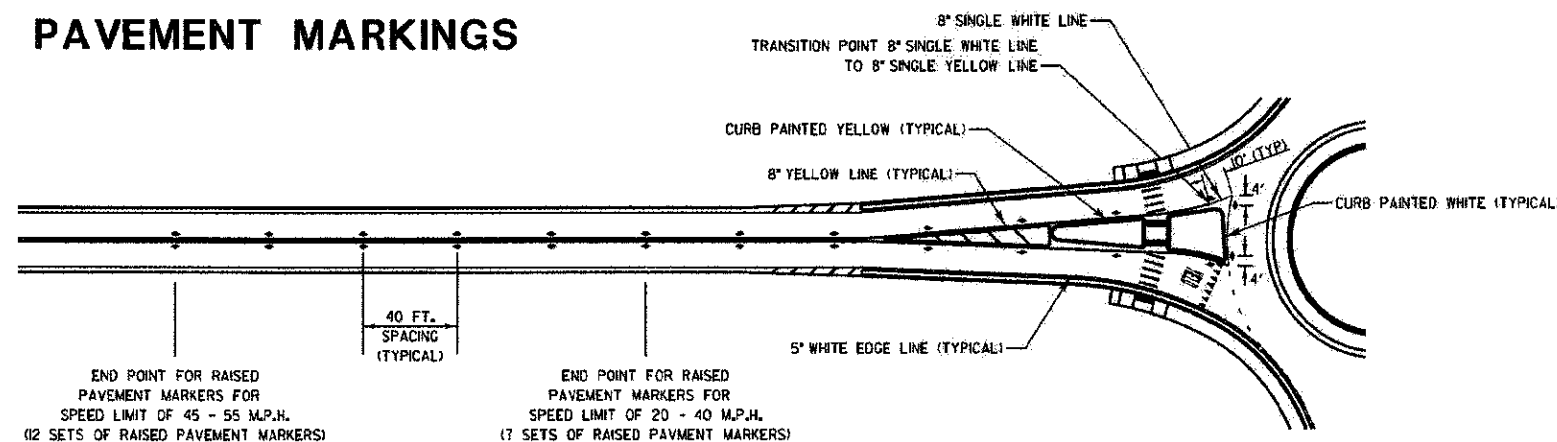
SPECIAL DETAIL FOR ROUNDAABOUTS SIGNING and PAVEMENT MARKINGS

* FOR NON-MARKED ROUTES, USE ADVANCE INTERSECTION NAME SIGN WITH ROUNDAABOUT SYMBOL
** OPTIONAL



ROUNDAABOUT SIGNING
(FOR SPEEDS \geq 45 M.P.H.)

ROUNDAABOUT PAVEMENT MARKINGS



END POINT FOR RAISED PAVEMENT MARKERS FOR SPEED LIMIT OF 45 - 55 M.P.H. (12 SETS OF RAISED PAVEMENT MARKERS)

END POINT FOR RAISED PAVEMENT MARKERS FOR SPEED LIMIT OF 20 - 40 M.P.H. (7 SETS OF RAISED PAVEMENT MARKERS)

RAISED PAVEMENT MARKERS
45 - 55 mph = 12 Sets at 40' C-C
20 - 40 mph = 7 Sets at 40' C-C

REVISIONS	DATE	Lake County Division of Transportation	APPROVED BY: A. KHAWAJA DATE: July 1, 2008
Added Curb Pav't Marking	10/20/08		
Added Pg 2 - Distance Det	01/23/09		
Added Optional Keep Right Sign	03/01/10	SPECIAL DETAIL for ROUNDAABOUTS SIGNING and PAVEMENT MARKINGS SHEET 2 OF 2	

LC7804

FILE NAME = L:\LAKECO\1122481\Drawings\LCDOT_STANDARD_20.dgn

CMT
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CONSULTING ENGINEERS
License No. 084-00063

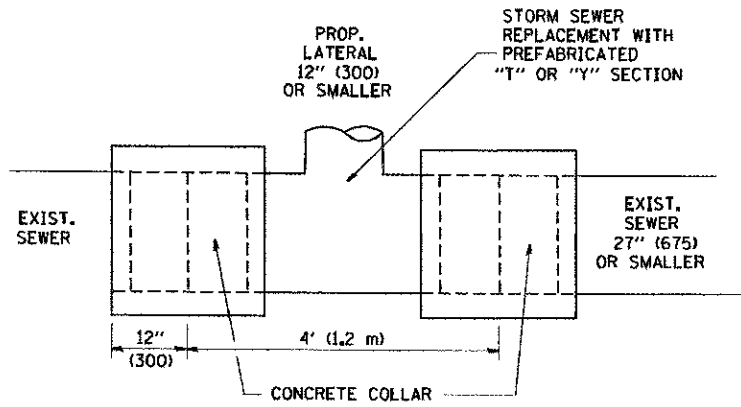
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PLOT SCALE = 48.0000' / in.	DRAWN - MNB	REVISED -
PLOT DATE = 11/12/2012	CHECKED - CMC	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LCDOT STANDARD DRAWINGS
SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. N/A TO STA. N/A

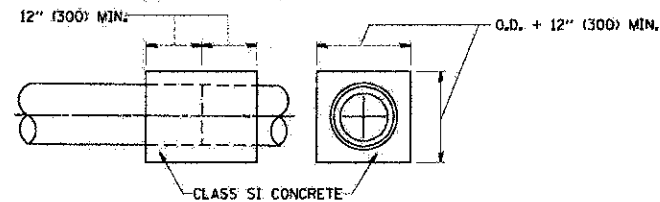
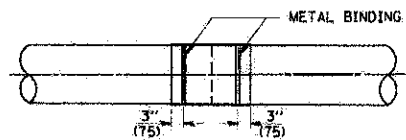
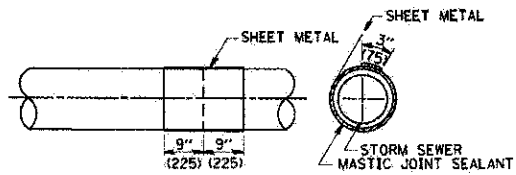
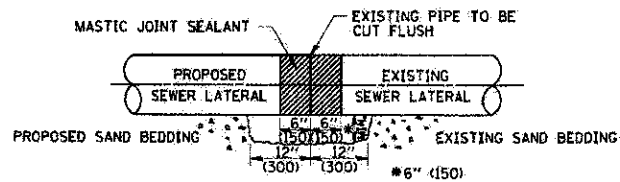
F.A.U. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 81
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 63682



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

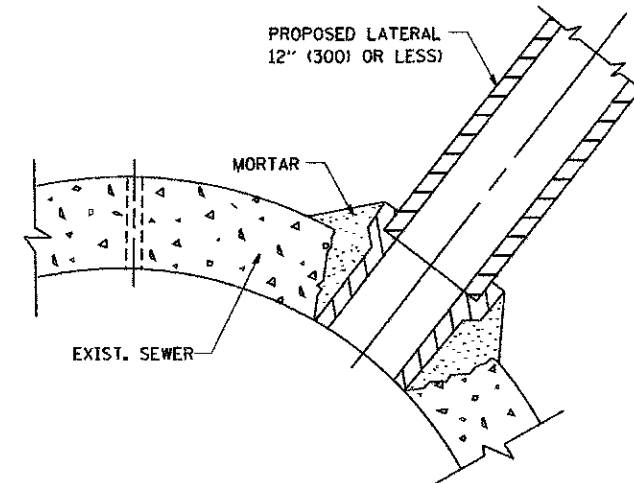


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT, BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

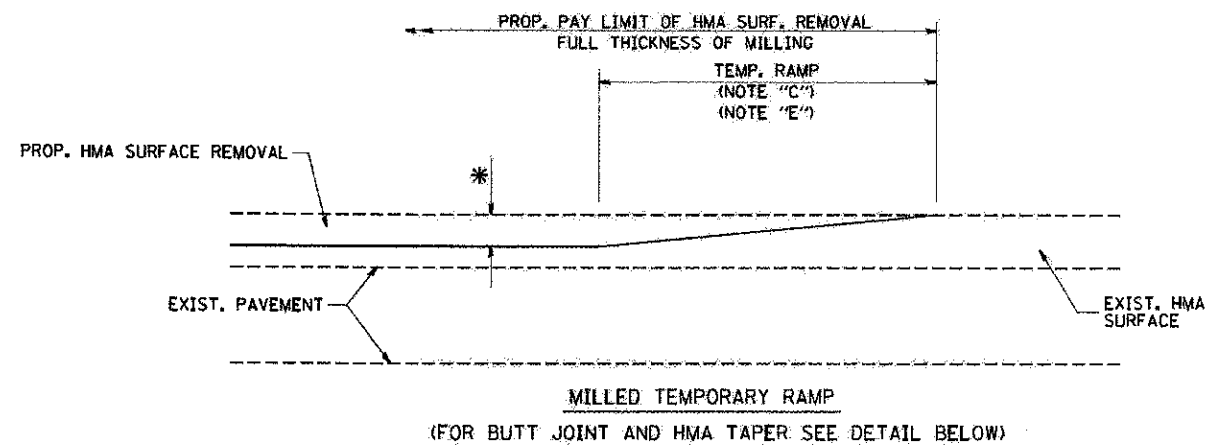
TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

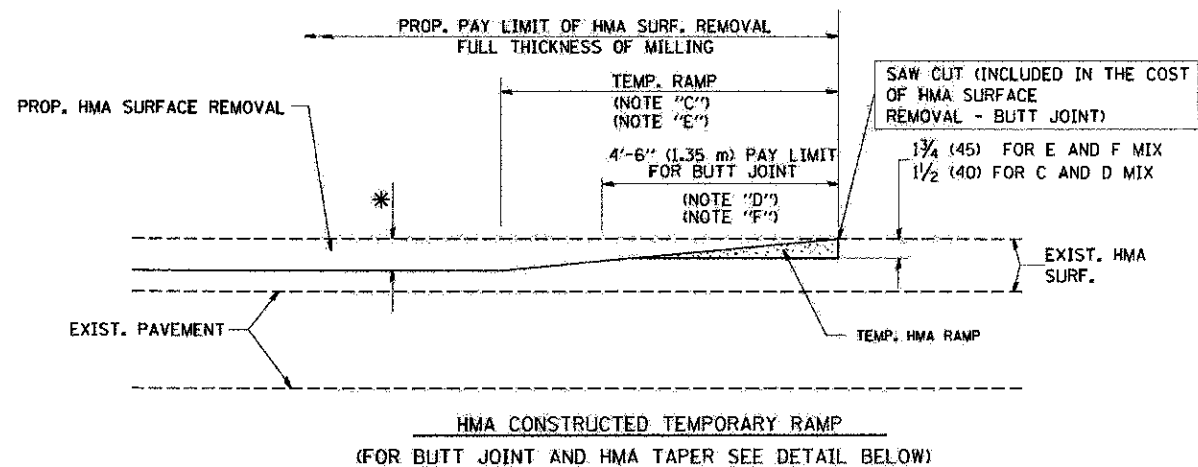
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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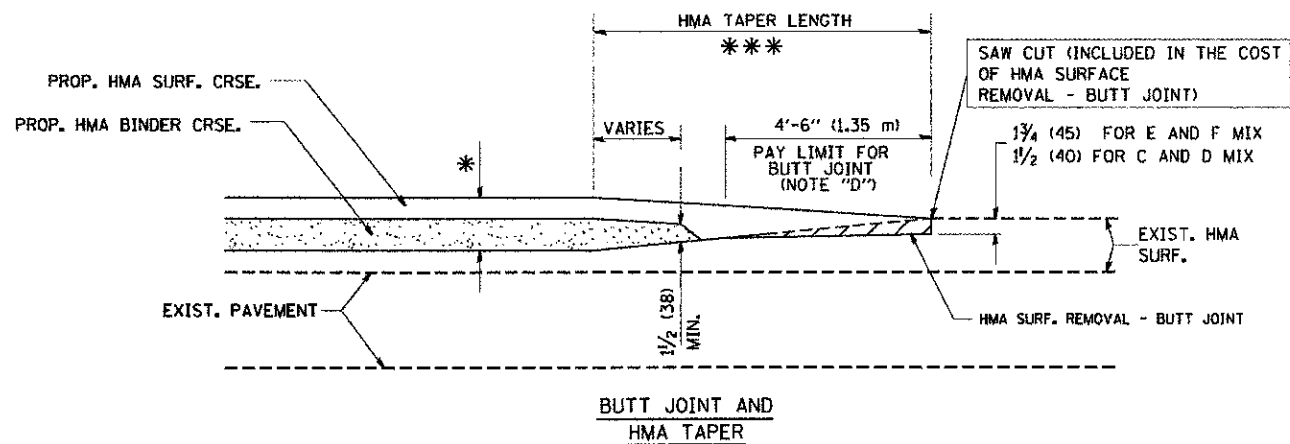
CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 194-00063	USER NAME = gaglianobt PLOT SCALE = 50.000' / IN. PLOT DATE = 1/4/2008	DESIGNED - M. DE YONG DRAWN - CHECKED - DATE - 07-25-90	REVISED - M. DE YONG 05-08-92 REVISED - R. SHAH 09-09-94 REVISED - R. SHAH 10-25-94 REVISED - R. SHAH 06-12-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO. 0192 06-00153-07-CH LAKE 120 82
	SCALES NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.				BD506-01 (BD-7) CONTRACT NO. 63682 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



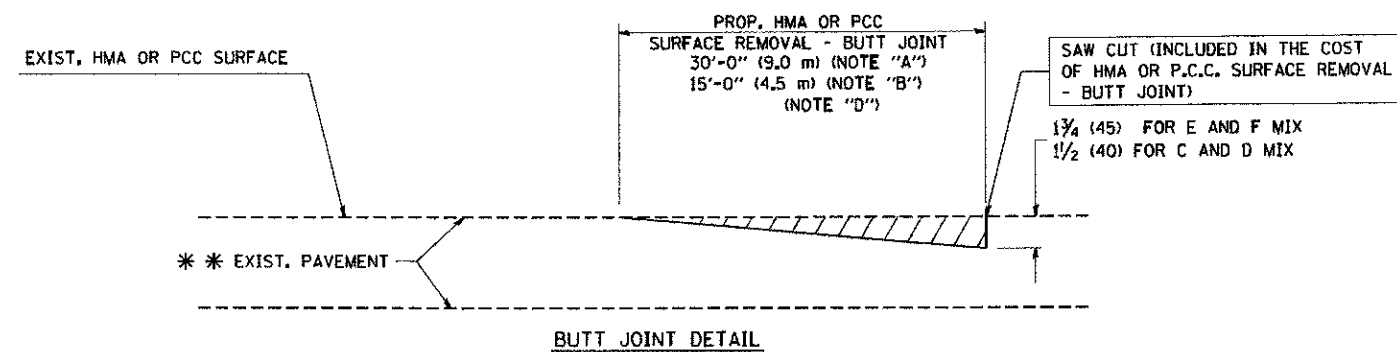
OPTION 1



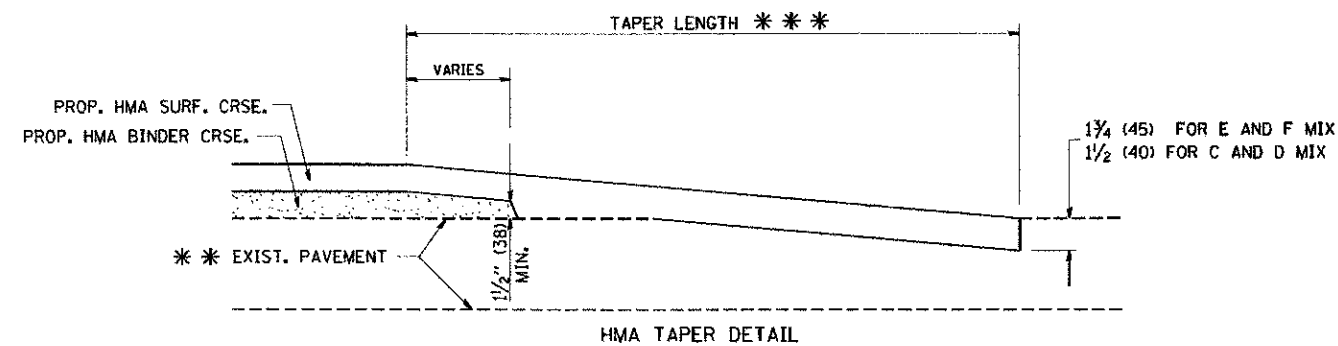
OPTION 2
TYPICAL TEMPORARY RAMP



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.

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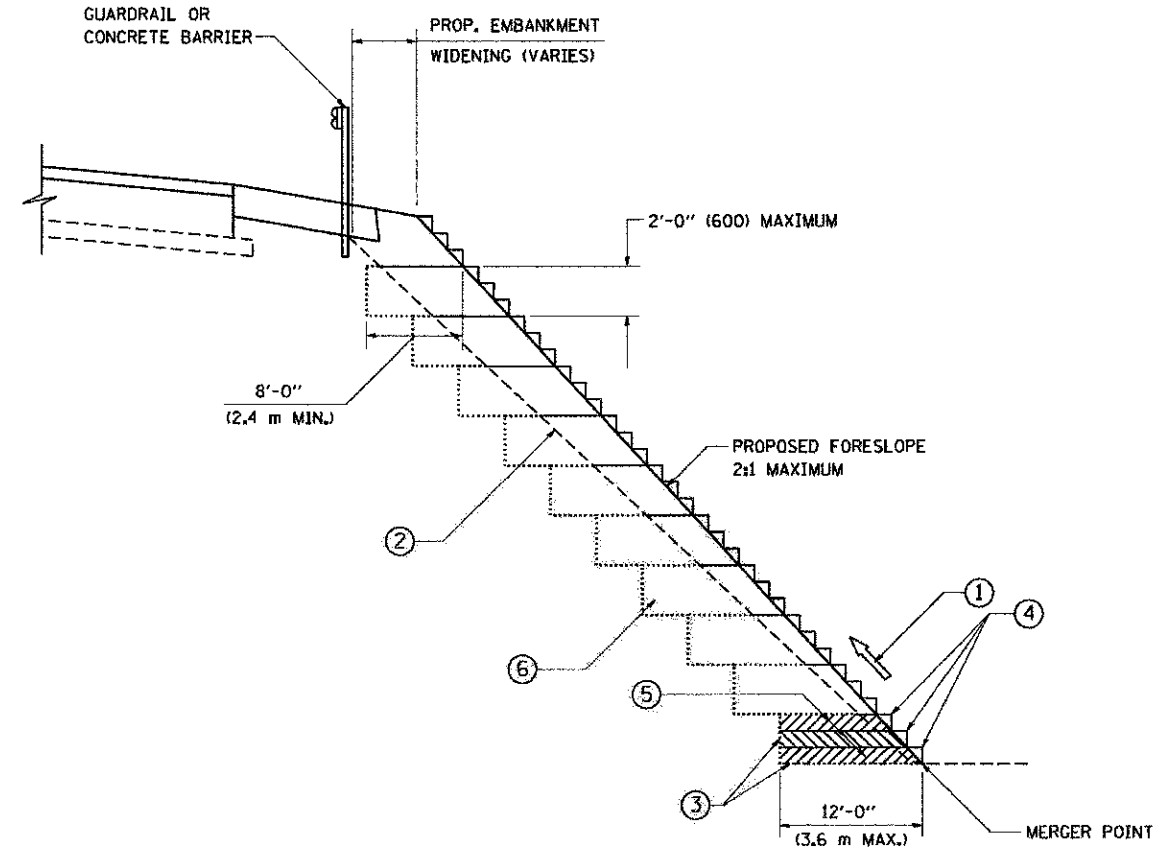


USER NAME = qaghtenobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
PLOT SCALE = 50.0000 "/>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TD STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	83
BD400-05		BD32	CONTRACT NO. 63682	
FED. ROAD DIST. NO.		ILLINOIS/FED. AID PROJECT		



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

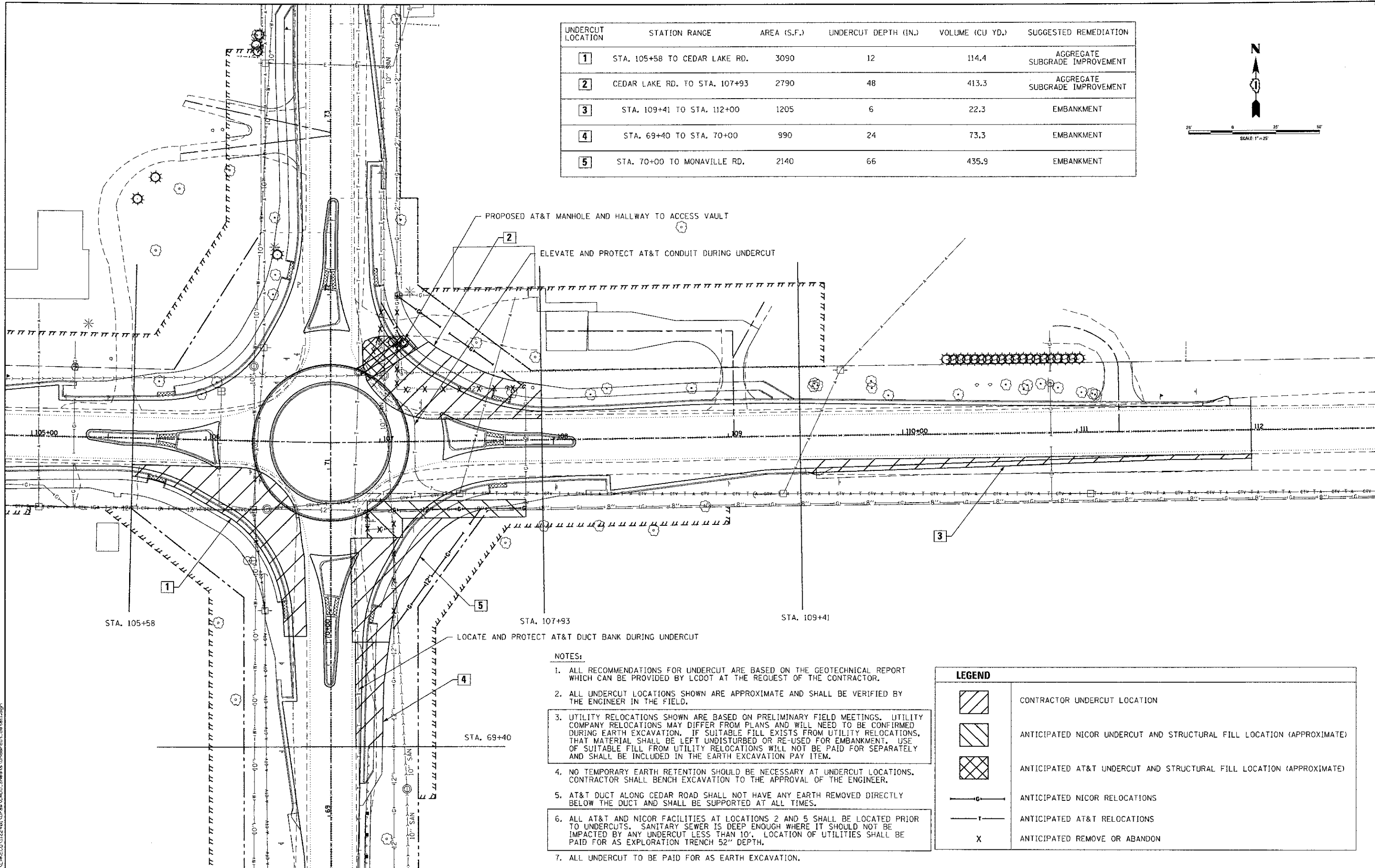
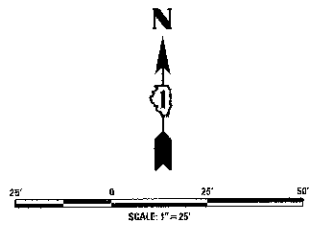
- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

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CMT <small>©Copyright Cmt, Inc.</small> CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-00063	USER NAME = goglienabt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BENCHING DETAIL FOR EMBANKMENT WIDENING	F.A.D. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 84
	PLOT SCALE = 50.0000 / IN	CHECKED - S.E.B.	REVISED -			REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. _____	TO STA. _____
	PLOT DATE = 1/4/2008	DATE = 06-16-04	REVISED -							

UNDERCUT LOCATION	STATION RANGE	AREA (S.F.)	UNDERCUT DEPTH (IN.)	VOLUME (CU YD.)	SUGGESTED REMEDIATION
1	STA. 105+58 TO CEDAR LAKE RD.	3090	12	114.4	AGGREGATE SUBGRADE IMPROVEMENT
2	CEDAR LAKE RD. TO STA. 107+93	2790	48	413.3	AGGREGATE SUBGRADE IMPROVEMENT
3	STA. 109+41 TO STA. 112+00	1205	6	22.3	EMBANKMENT
4	STA. 69+40 TO STA. 70+00	990	24	73.3	EMBANKMENT
5	STA. 70+00 TO MONAVILLE RD.	2140	66	435.9	EMBANKMENT

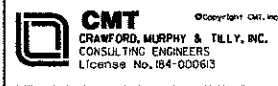


NOTES:

- ALL RECOMMENDATIONS FOR UNDERCUT ARE BASED ON THE GEOTECHNICAL REPORT WHICH CAN BE PROVIDED BY LCDOT AT THE REQUEST OF THE CONTRACTOR.
- ALL UNDERCUT LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.
- UTILITY RELOCATIONS SHOWN ARE BASED ON PRELIMINARY FIELD MEETINGS. UTILITY COMPANY RELOCATIONS MAY DIFFER FROM PLANS AND WILL NEED TO BE CONFIRMED DURING EARTH EXCAVATION. IF SUITABLE FILL EXISTS FROM UTILITY RELOCATIONS, THAT MATERIAL SHALL BE LEFT UNDISTURBED OR RE-USED FOR EMBANKMENT. USE OF SUITABLE FILL FROM UTILITY RELOCATIONS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE EARTH EXCAVATION PAY ITEM.
- NO TEMPORARY EARTH RETENTION SHOULD BE NECESSARY AT UNDERCUT LOCATIONS. CONTRACTOR SHALL BENCH EXCAVATION TO THE APPROVAL OF THE ENGINEER.
- AT&T DUCT ALONG CEDAR ROAD SHALL NOT HAVE ANY EARTH REMOVED DIRECTLY BELOW THE DUCT AND SHALL BE SUPPORTED AT ALL TIMES.
- ALL AT&T AND NICOR FACILITIES AT LOCATIONS 2 AND 5 SHALL BE LOCATED PRIOR TO UNDERCUTS. SANITARY SEWER IS DEEP ENOUGH WHERE IT SHOULD NOT BE IMPACTED BY ANY UNDERCUT LESS THAN 10'. LOCATION OF UTILITIES SHALL BE PAID FOR AS EXPLORATION TRENCH 52" DEPTH.
- ALL UNDERCUT TO BE PAID FOR AS EARTH EXCAVATION.

LEGEND	
	CONTRACTOR UNDERCUT LOCATION
	ANTICIPATED NICOR UNDERCUT AND STRUCTURAL FILL LOCATION (APPROXIMATE)
	ANTICIPATED AT&T UNDERCUT AND STRUCTURAL FILL LOCATION (APPROXIMATE)
	ANTICIPATED NICOR RELOCATIONS
	ANTICIPATED AT&T RELOCATIONS
	ANTICIPATED REMOVE OR ABANDON

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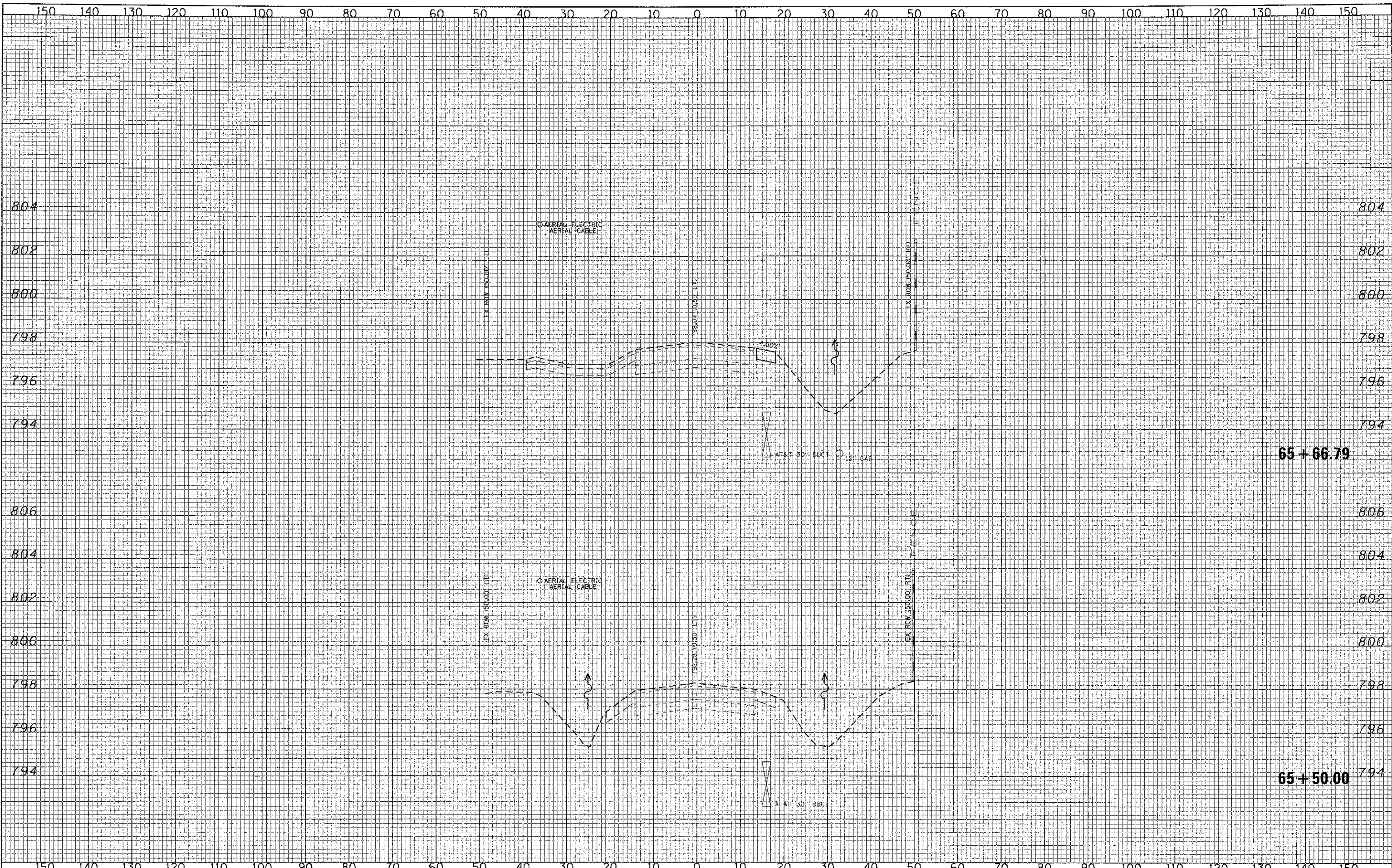
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

APPROXIMATE UNDERCUT LOCATIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	85
CONTRACT NO. 63682				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



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	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

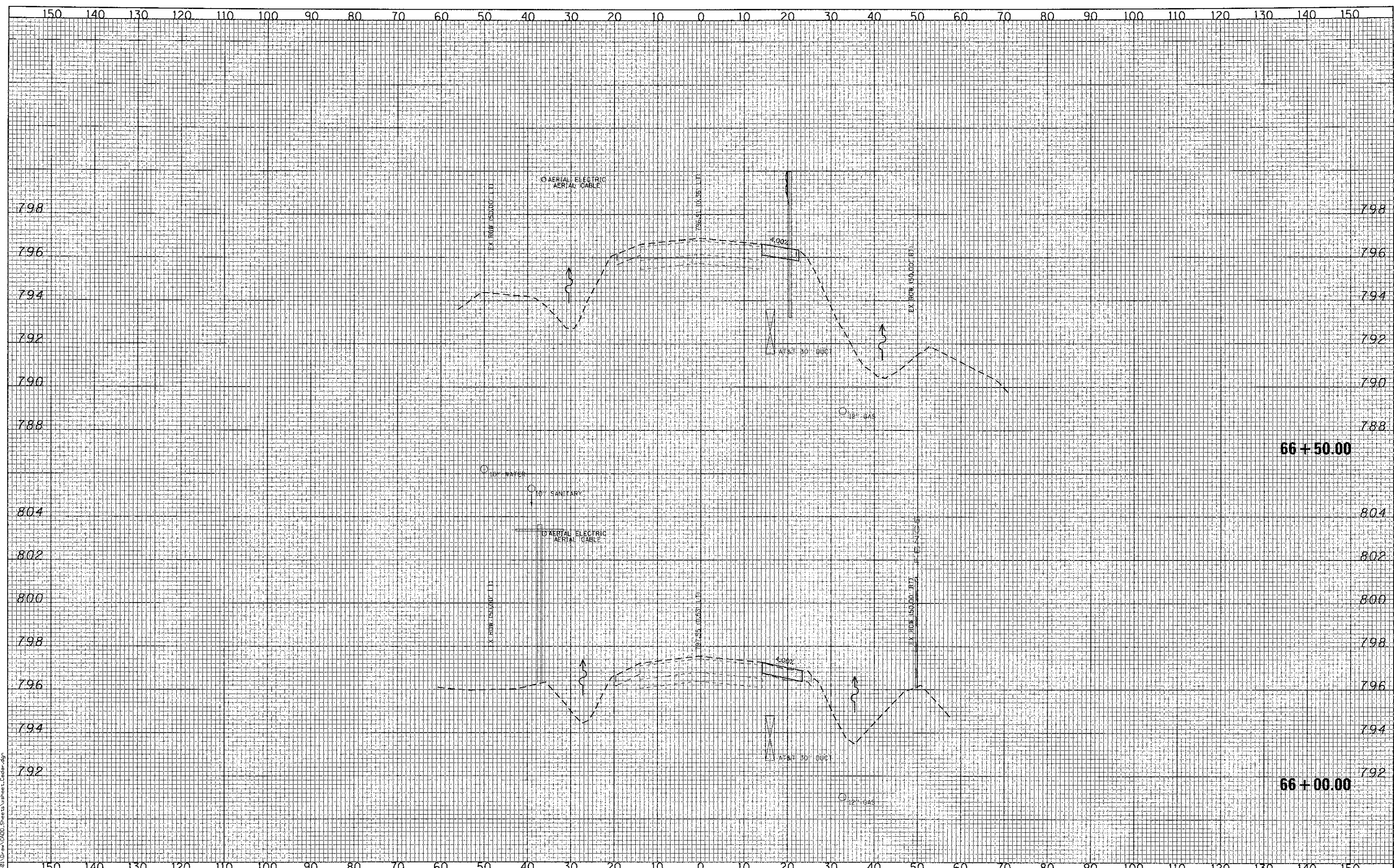
CEAR LAKE ROAD - CROSS SECTIONS

SCALE: 10H:8V SHEET NO. OF SHEETS STA. 65+50.00 TO STA. 65+66.79

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	86
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63682	

FINAL SURVEY
 SCOPED
 PLOTTED
 TEMPLATE
 NOTE BOOK
 AREAS
 CHECKED
 NO.

ORIGINAL SURVEY
 SCOPED
 PLOTTED
 TEMPLATE
 NOTE BOOK
 AREAS
 CHECKED
 NO.



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PLOT SCALE = 20.0000' / 1" =	DRAWN - ERD	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

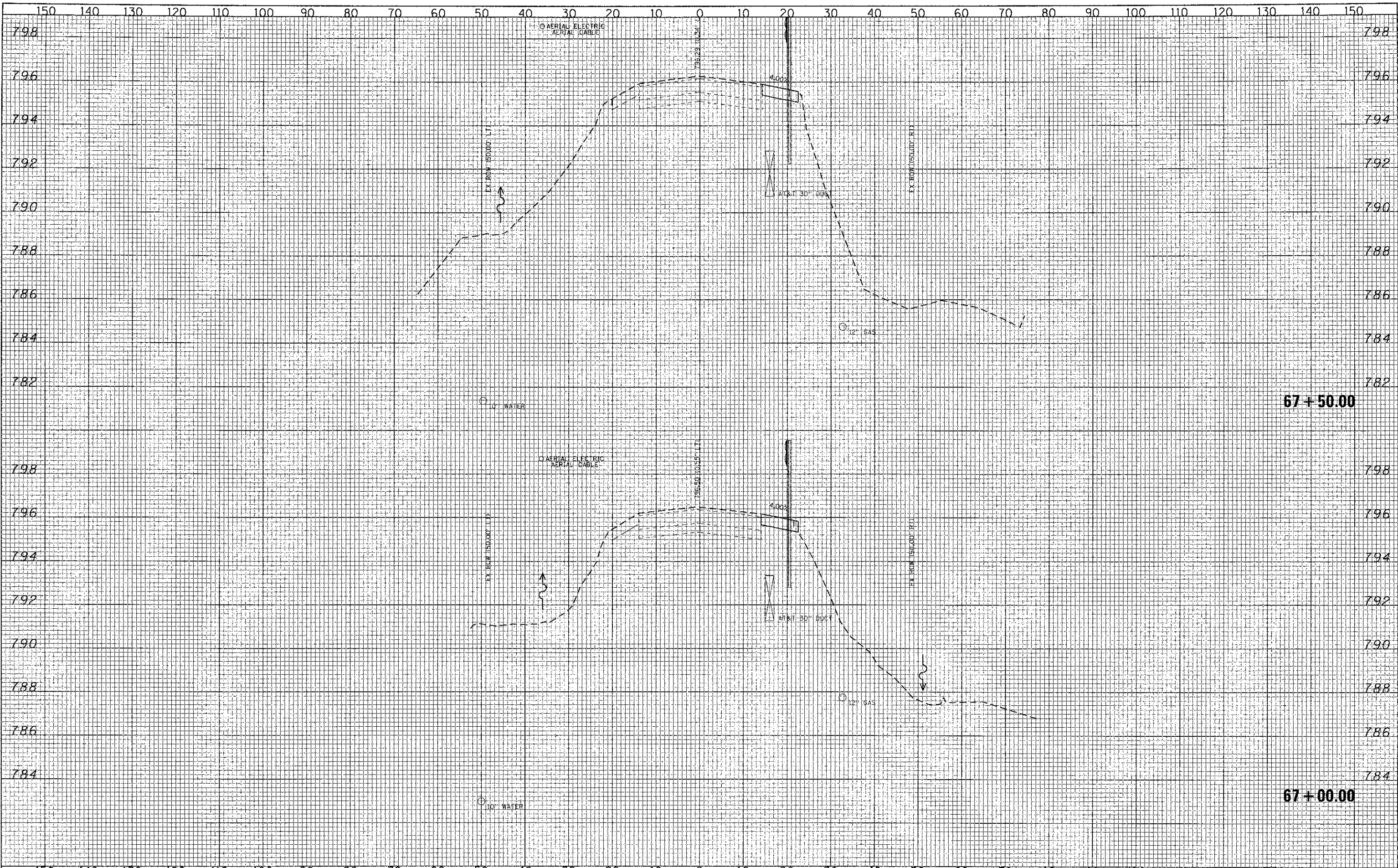
CEDAR LAKE ROAD - CROSS SECTIONS

SCALE: 10H:8V SHEET NO. OF SHEETS STA. 66+00.00 TO STA. 66+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	87
CONTRACT NO. 63682				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISIONS	
APPROVED	
PLANNING	
DESIGN	
CONSTRUCTION	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
REVISIONS	
APPROVED	
PLANNING	
DESIGN	
CONSTRUCTION	
ORIGINAL SURVEY	
NOTE BOOK	
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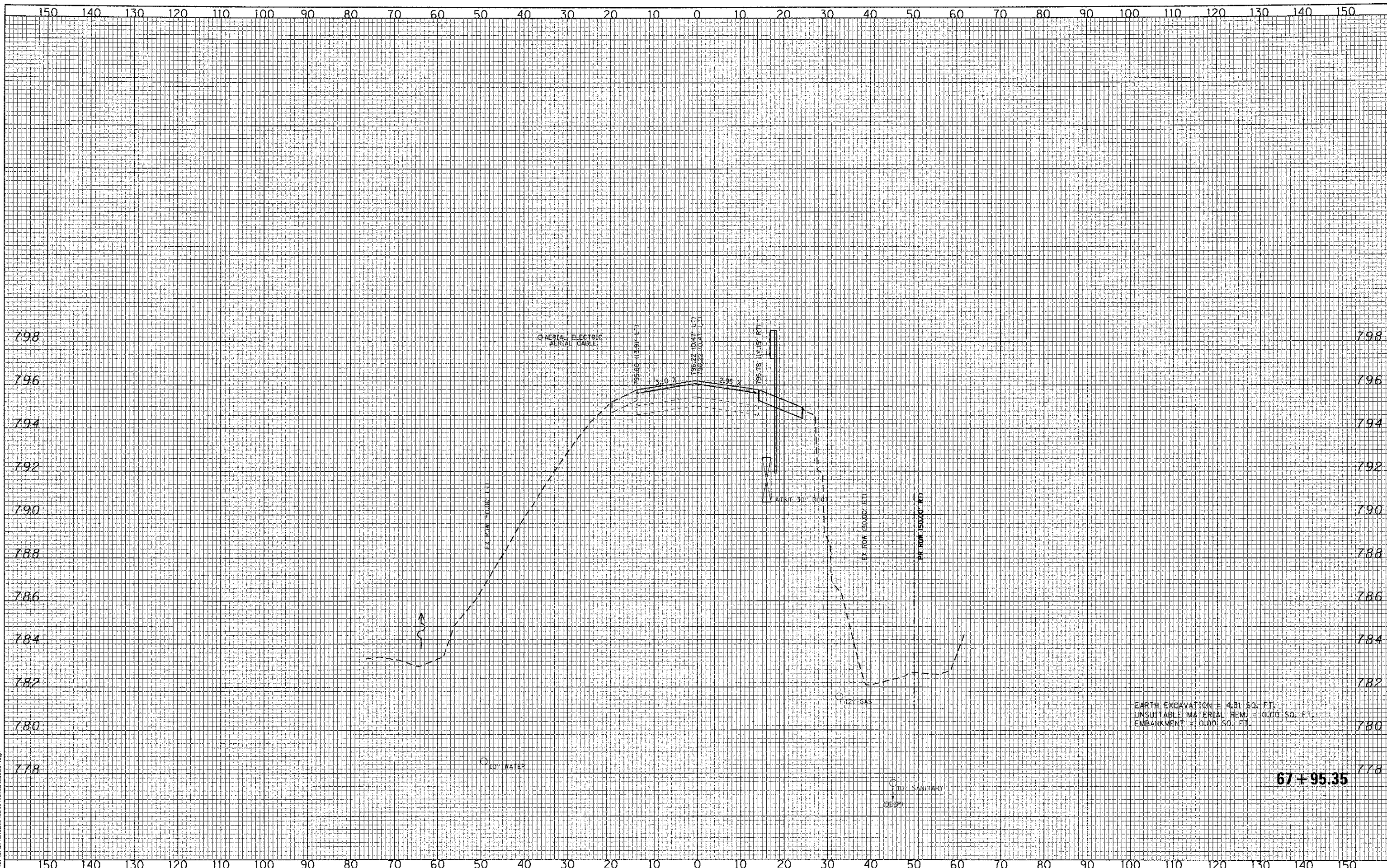


67+50.00

67+00.00

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

BY	DATE
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



EARTH EXCAVATION = 4.81 SQ. FT.
 UNSUITABLE MATERIAL REM. = 0.00 SQ. FT.
 EMBANKMENT = 0.00 SQ. FT.

67+95.35

FILE NAME = L:\ALACED\1122\Draw\Draw\CARD_Sheet\Vanasa_Cedar.dgn

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 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 04-00063

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PLOT SCALE = 28,0000' / 1"	DRAWN - ERD	REVISED -
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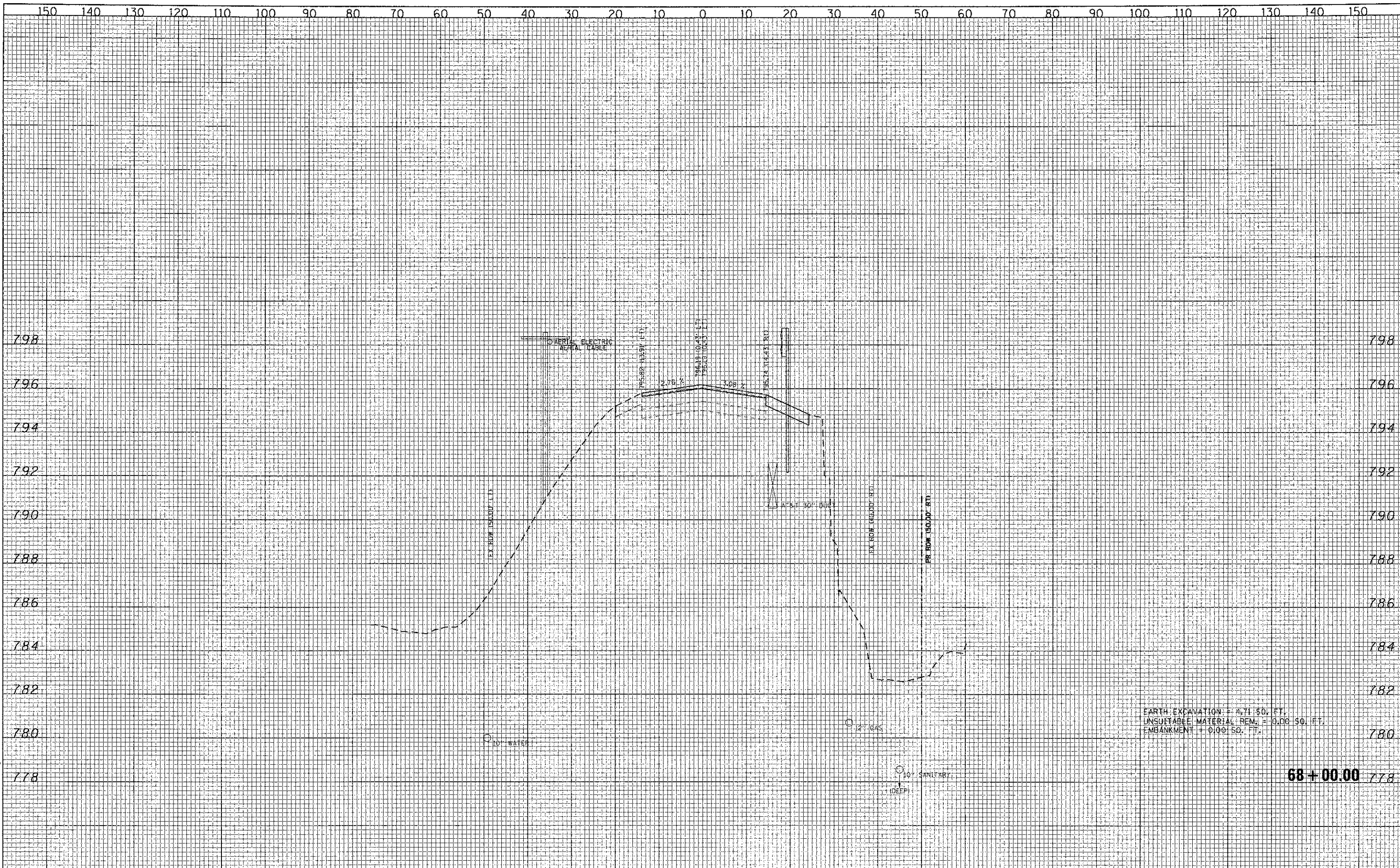
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 10H:8V	SHEET NO. OF SHEETS	STA. 67+95.35 TO STA. 67+95.35
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	89
CONTRACT NO. 63682				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



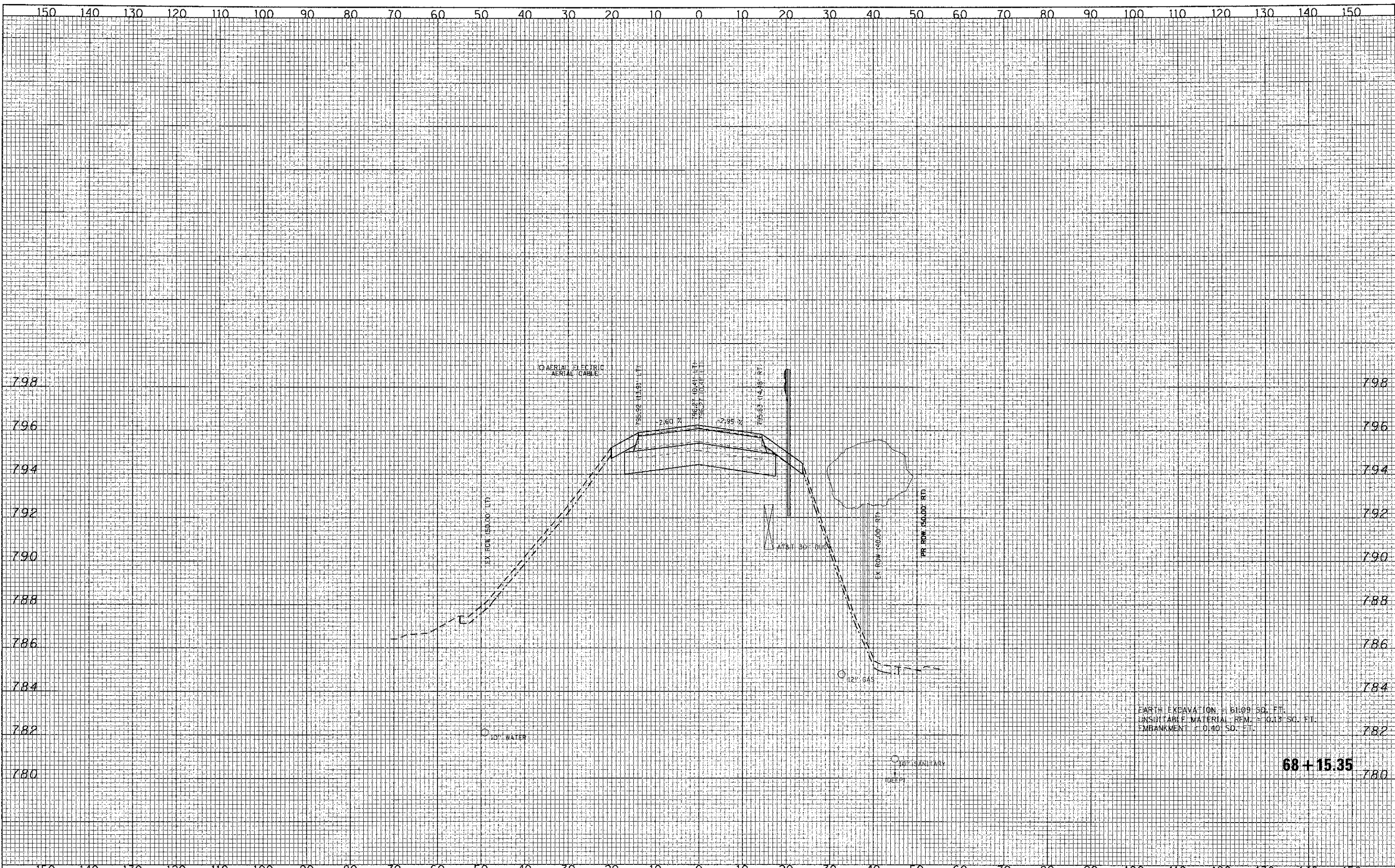
EARTH EXCAVATION = 4.71 SQ. FT.
 UNSUITABLE MATERIAL REM. = 0.00 SQ. FT.
 EMBANKMENT = 0.00 SQ. FT.

68+00.00

CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 04-000613	USER NAME = Jeff Sudrig PLOT SCALE = 20.0000' / in. PLOT DATE = 9/10/2012	DESIGNED - CMC DRAWN - ERD CHECKED - KDN DATE - 10/22/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CEDAR LAKE ROAD - CROSS SECTIONS		F.A. RTE. 0192 SECTION 06-00153-07-CH COUNTY LAKE TOTAL SHEETS 120 SHEET NO. 90 CONTRACT NO. 63682
	SCALE: 10H:8V SHEET NO. OF SHEETS STA. 68+00.00 TO STA. 68+00.00				FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT		

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	



EARTH EXCAVATION = 81.09 SQ. FT.
 UNSUITABLE MATERIAL REM. = 0.13 SQ. FT.
 EMBANKMENT = 0.40 SQ. FT.

68 + 15.35

FILE NAME = L:\AL\22401\Draw\ROAD_Sheet.dwg



USER NAME = Jeff Sedig	DESIGNED - CMC	REVISED -
PLOT SCALE = 20:0000 1" = 40'	DRAWN - ERD	REVISED -
PLOT DATE = #PLOTDATE#	CHECKED - KDN	REVISED -
	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

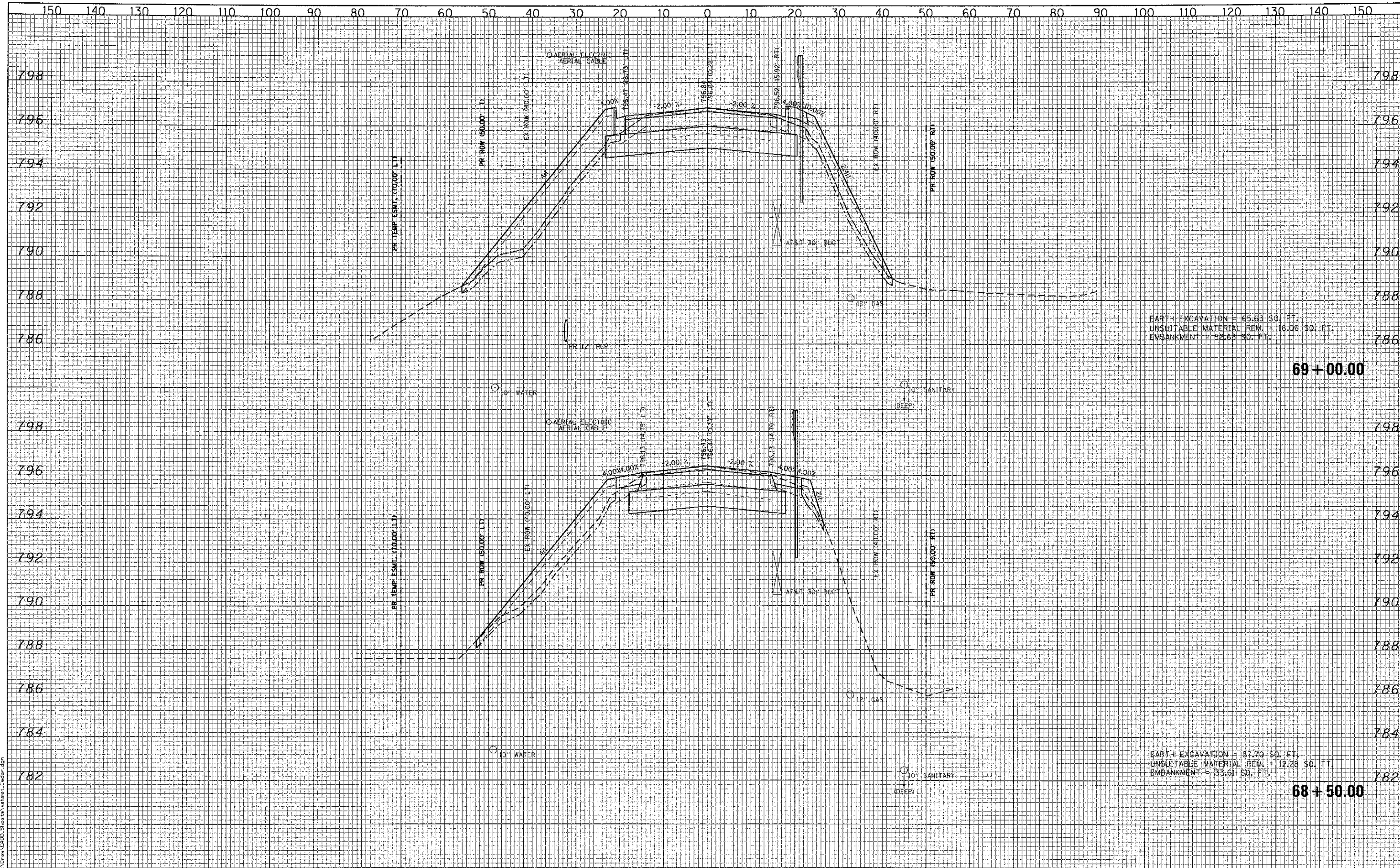
CEDAR LAKE ROAD - CROSS SECTIONS

SCALE: 10H:1V SHEET NO. OF SHEETS STA. 68+15.35 TO STA. 68+15.35

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	91
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63682	

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS _____
 CHECKED _____

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 AREAS _____
 CHECKED _____



EARTH EXCAVATION = 65.63 SQ. FT.
 UNSUITABLE MATERIAL REM. = 116.06 SQ. FT.
 EMBANKMENT = 52.63 SQ. FT.

69+00.00

EARTH EXCAVATION = 57.70 SQ. FT.
 UNSUITABLE MATERIAL REM. = 12.28 SQ. FT.
 EMBANKMENT = 33.61 SQ. FT.

68+50.00

FILE NAME = L:\AL\KEDD\112240\10-11-10\1000_Sheets\Station_Cross-sec

CMT Copyright: Cmt, Inc.
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 04-000613

USER NAME = Jeff Sedig	DESIGNED - CMC	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - ERD	REVISED -
PLOT DATE = #PLOTDATE#	CHECKED - KON	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

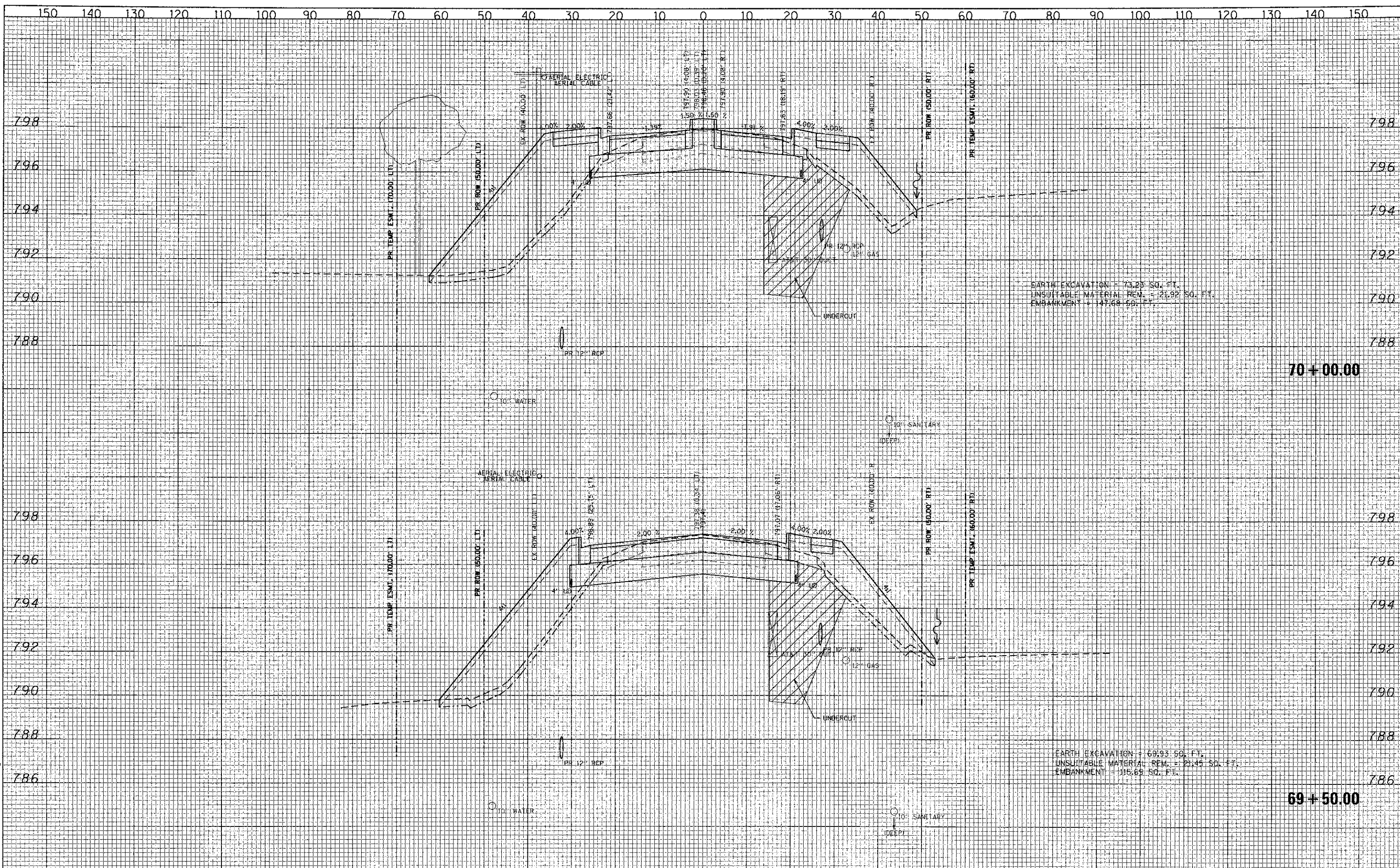
CEDAR LAKE ROAD - CROSS SECTIONS

SCALE: 10:1 H:V SHEET NO. OF SHEETS STA. 68+50.00 TO STA. 69+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	92
CONTRACT NO. 63682				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



EARTH EXCAVATION = 73.25 SQ. FT.
 UNSUITABLE MATERIAL REM. = 23.92 SQ. FT.
 EMBANKMENT = 147.68 SQ. FT.

EARTH EXCAVATION = 69.93 SQ. FT.
 UNSUITABLE MATERIAL REM. = 21.45 SQ. FT.
 EMBANKMENT = 116.69 SQ. FT.

70+00.00

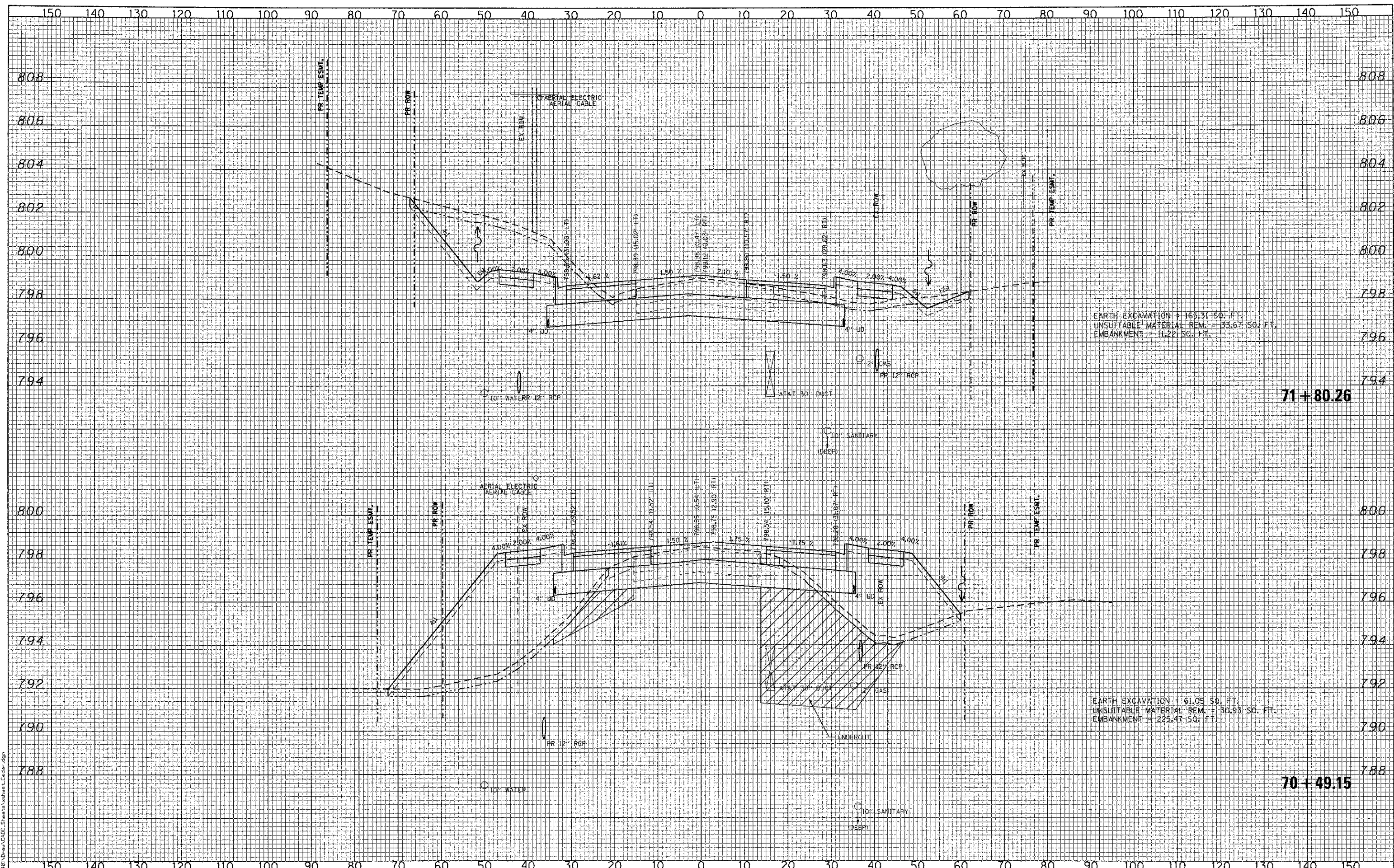
69+50.00

CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 04-000613	USER NAME = Jeff Sedg DESIGNED - CMC DRAWN - ERO CHECKED - KDN DATE - 10/22/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CEDAR LAKE ROAD - CROSS SECTIONS		F.A. RTE. 0192 SECTION 06-00153-07-CH COUNTY LAKE TOTAL SHEETS 120 SHEET NO. 93 CONTRACT NO. 63682
	PLOT SCALE = 20.0000' / 1"	PLOT DATE = #PLOTDATE#		SCALE: 10H:2V SHEET NO. OF SHEETS STA. 69+50.00 TO STA. 70+00.00	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT	
	FILE NAME = L:\PROJECTS\1122481\Draw\CADD\Sheet\69+50.00_Cedar.dgn					

FINAL SURVEY	DATE
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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FILE NAME = L:\PROJECTS\1122401\Drawings\1122401_Sheets\Sheet 03682.dwg



EARTH EXCAVATION = 165.31 SQ. FT.
 UNSUITABLE MATERIAL REM. = 33.67 SQ. FT.
 EMBANKMENT = 11.22 SQ. FT.

EARTH EXCAVATION = 61.05 SQ. FT.
 UNSUITABLE MATERIAL REM. = 30.95 SQ. FT.
 EMBANKMENT = 125.47 SQ. FT.



USER NAME = Jeff Sedig	DESIGNED - CMC	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - ERD	REVISED -
PLOT DATE = \$PLOTDATE\$	CHECKED - KON	REVISED -
	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

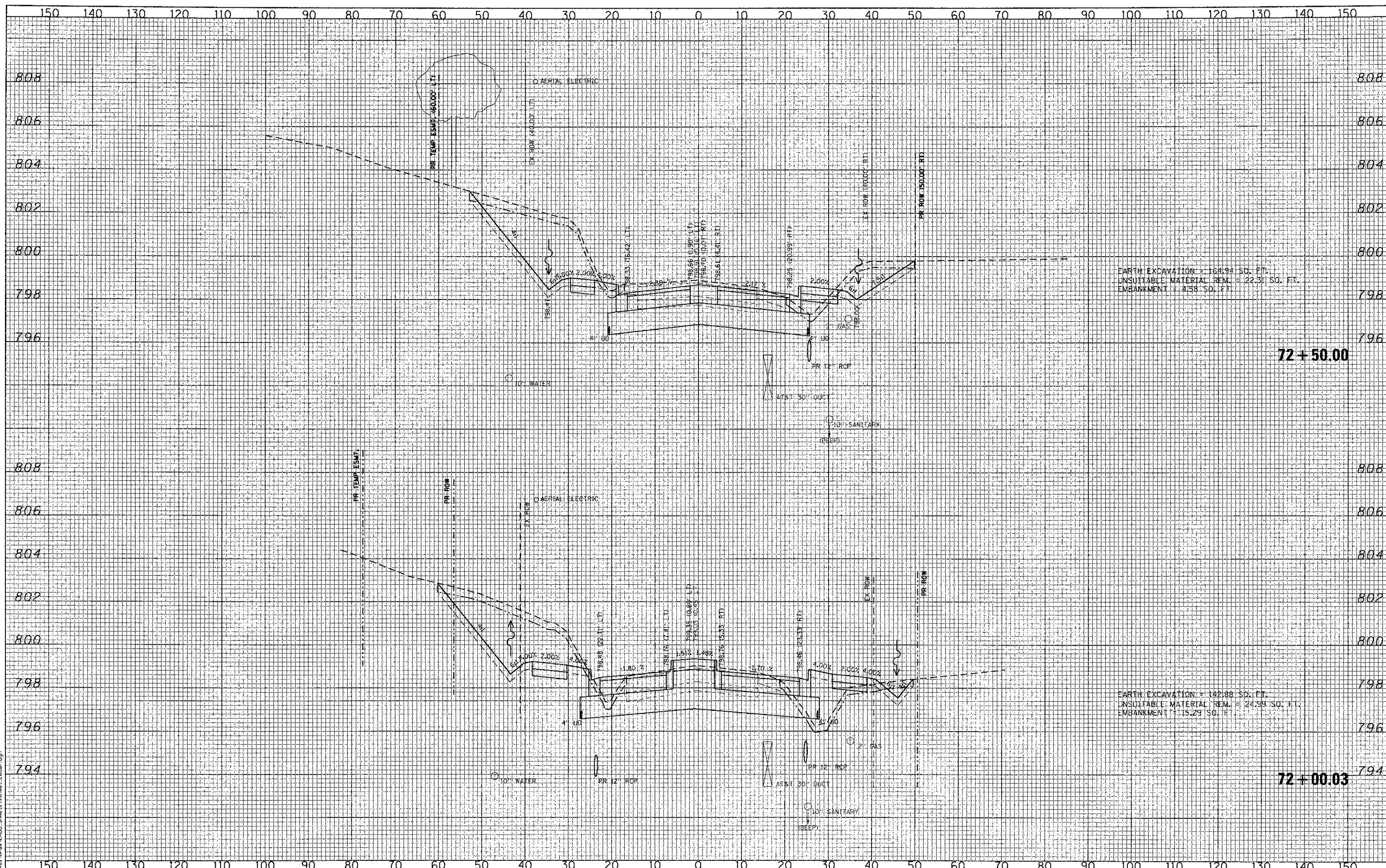
CEDAR LAKE ROAD - CROSS SECTIONS

SCALE: 10H:8V SHEET NO. OF SHEETS STA. 70+49.15 TO STA. 71+80.26

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	94
FED. ROAD DIST. NO. 1				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =



USER NAME = Jeff Sedig	DESIGNED - CMC	REVISED -
PLOT SCALE = 20,0000' / 1"	DRAWN - ERD	REVISED -
PLOT DATE = #PLOTDATE#	CHECKED - KDN	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

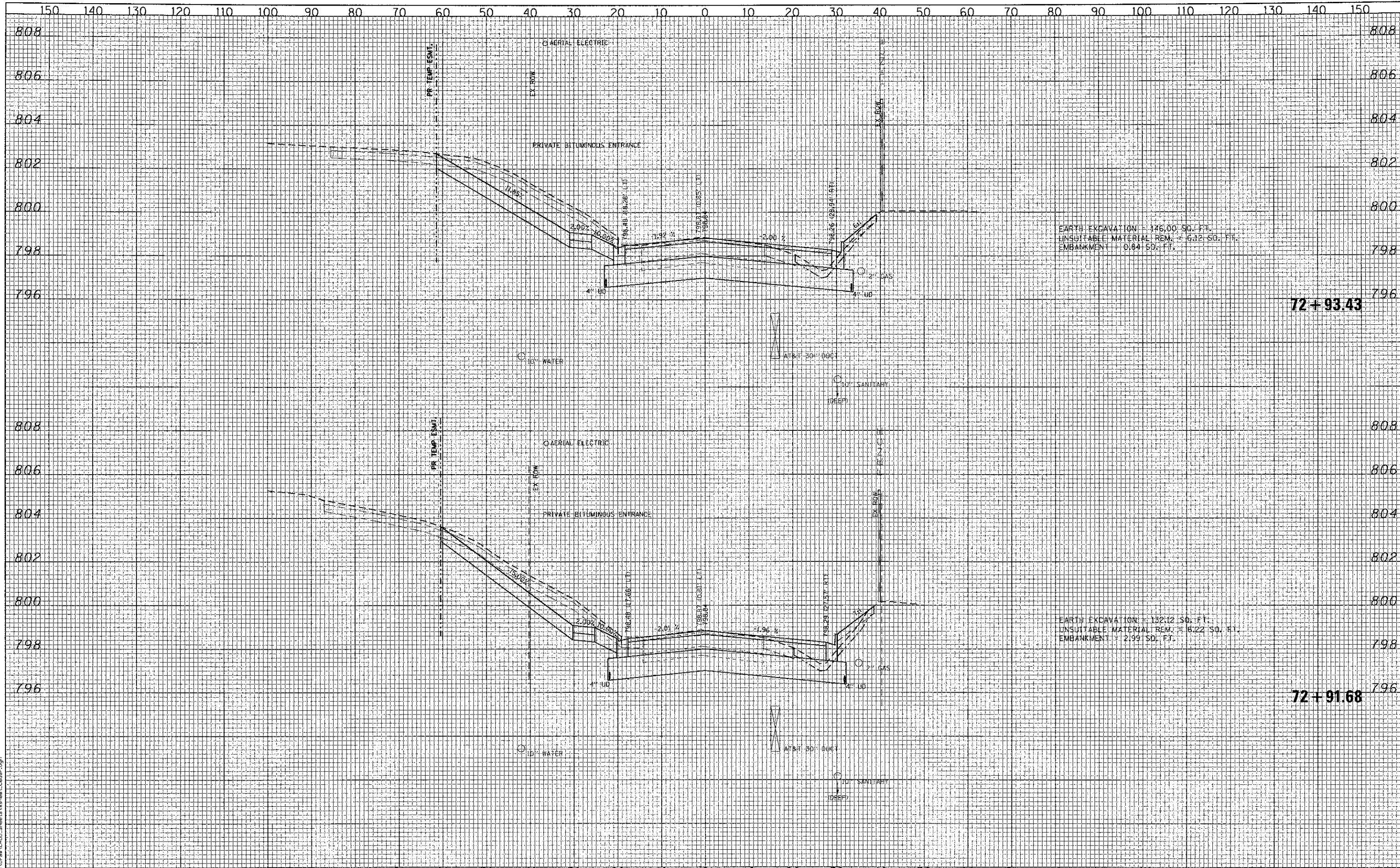
CEDAR LAKE ROAD - CROSS SECTIONS

SCALE: 10H:8V	SHEET NO. OF SHEETS	STA. 72+00.03 TO STA. 72+50.00
---------------	---------------------	--------------------------------

F.A. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 95
CONTRACT NO. 63682				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



EARTH EXCAVATION = 146.00 SQ. FT.
 UNSUITABLE MATERIAL REM. = 6.12 SQ. FT.
 EMBANKMENT = 0.64 SQ. FT.

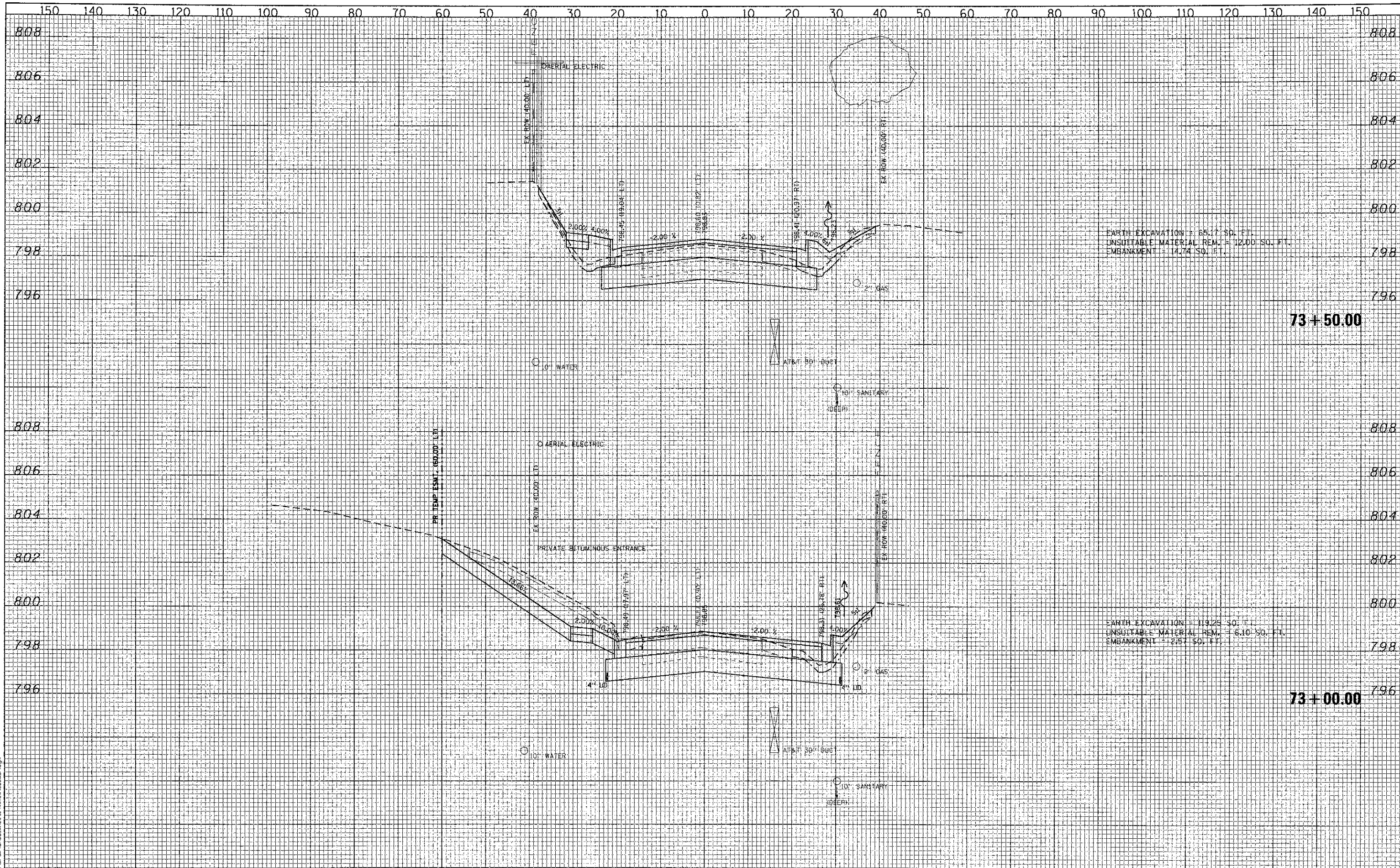
EARTH EXCAVATION = 132.12 SQ. FT.
 UNSUITABLE MATERIAL REM. = 6.22 SQ. FT.
 EMBANKMENT = 2.99 SQ. FT.

72+93.43

72+91.68

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 TEMPLATE: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____

DATE: _____ BY: _____
 SURVEYED: _____
 PLOTTED: _____
 TEMPLATE: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____



EARTH EXCAVATION = 65.17 SQ. FT.
 UNSUITABLE MATERIAL REM. = 12.00 SQ. FT.
 EMBANKMENT = 14.74 SQ. FT.

EARTH EXCAVATION = 119.25 SQ. FT.
 UNSUITABLE MATERIAL REM. = 6.10 SQ. FT.
 EMBANKMENT = 2.57 SQ. FT.

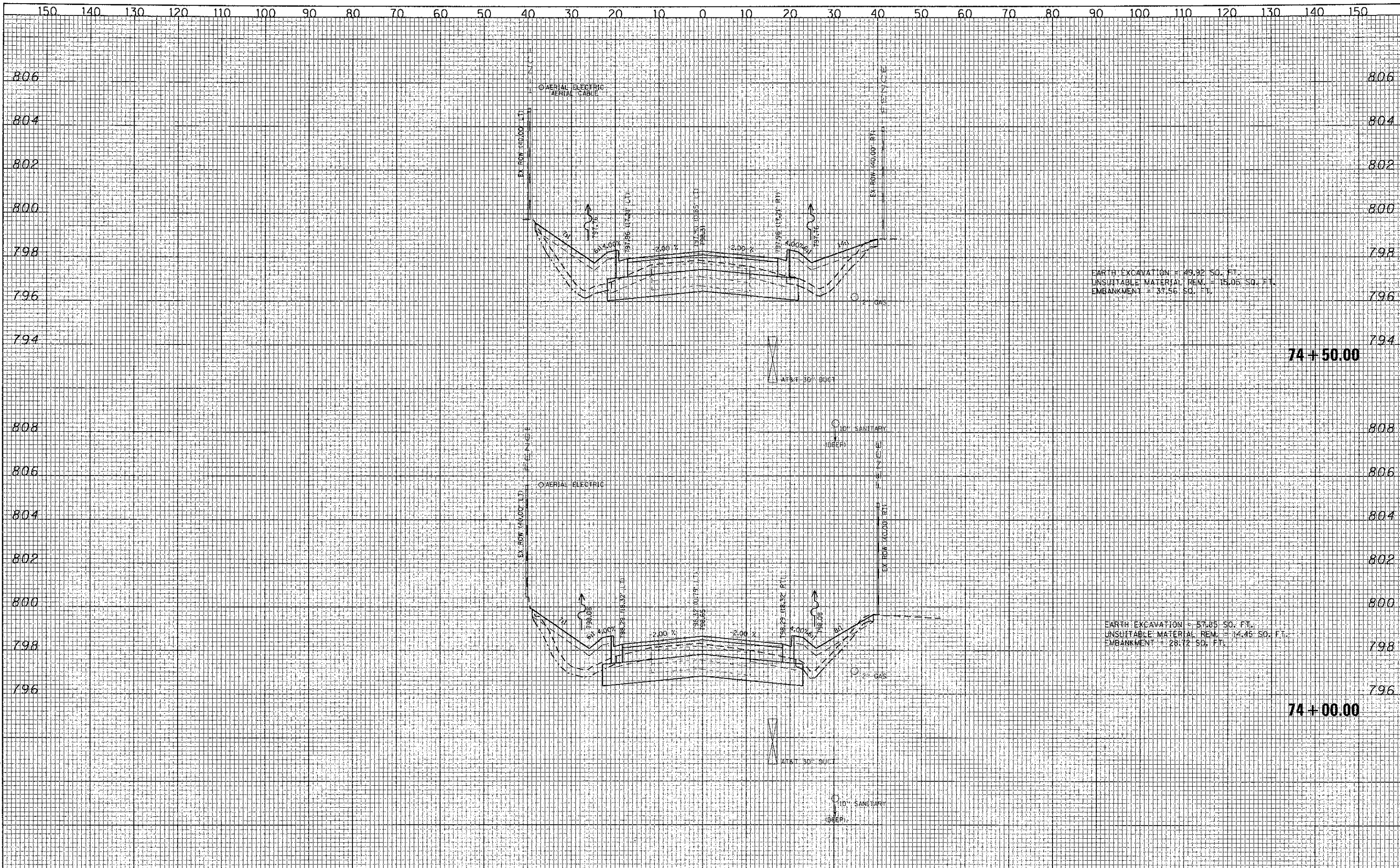
73+50.00

73+00.00

<p>CMT CRAMFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 084-000513</p>	USER NAME = Jeff Sedig	DESIGNED - CMC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CEDAR LAKE ROAD - CROSS SECTIONS			F.A. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 97	
	PLOT SCALE = 28,0000 "/> <td>CHECKED - KDN</td> <td>REVISED -</td> <td>SCALE: 10H:2V</td> <td>SHEET NO. _____</td> <td>OF _____</td> <td>SHEETS _____</td> <td>STA. 73+00.00</td> <td>TO STA. 73+50.00</td> <td colspan="3">FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT</td>	CHECKED - KDN	REVISED -		SCALE: 10H:2V	SHEET NO. _____	OF _____	SHEETS _____	STA. 73+00.00	TO STA. 73+50.00	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT		
	PLOT DATE = \$PLOTDATE\$	DATE - 10/22/2012	REVISED -										
	CONTRACT NO. 63682												

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



EARTH EXCAVATION = 49.92 SQ. FT.
 UNSUITABLE MATERIAL REM. = 15.05 SQ. FT.
 EMBANKMENT = 37.56 SQ. FT.

EARTH EXCAVATION = 57.85 SQ. FT.
 UNSUITABLE MATERIAL REM. = 14.45 SQ. FT.
 EMBANKMENT = 28.72 SQ. FT.

74 + 50.00

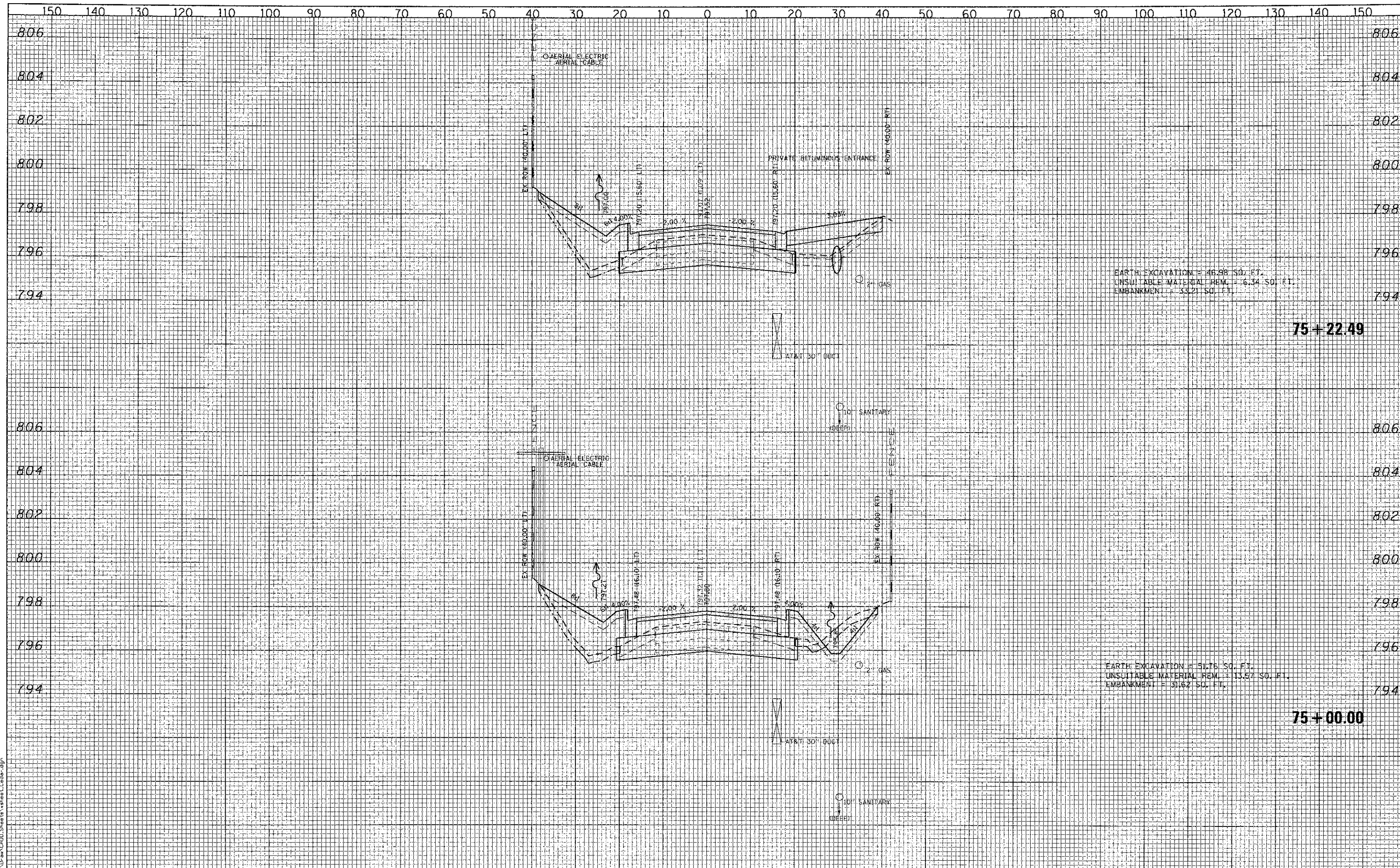
74 + 00.00

CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 04-00063	USER NAME * Jeff Sedig	DESIGNED - CMC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CEDAR LAKE ROAD - CROSS SECTIONS		F.A. R.T.E. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 98
	PLOT SCALE * 20.0000" / 1"	CHECKED - KDN	REVISED -		SCALE: 10Hx8V	SHEET NO. OF SHEETS	STA. 74+00.00 TO STA. 74+50.00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
	PLOT DATE * \$PLOTDATE\$	DATE - 10/22/2012	REVISED -								

FILE NAME = L:\ALAMEDA\1122481\Drawn\Road\Drawn\Sheet3\Sheet3_Cedar.dgn

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
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DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____



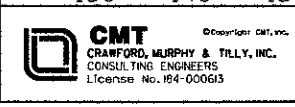
EARTH EXCAVATION = 46.98 SQ. FT.
 UNSUITABLE MATERIAL REM. = 6.34 SQ. FT.
 EMBANKMENT = 33.21 SQ. FT.

75+22.49

EARTH EXCAVATION = 31.76 SQ. FT.
 UNSUITABLE MATERIAL REM. = 13.57 SQ. FT.
 EMBANKMENT = 31.62 SQ. FT.

75+00.00

FILE NAME =



USER NAME = Jeff Sedig	DESIGNED - CMC	REVISED -
PLOT SCALE = 20,0000' / 1"	DRAWN - ERD	REVISED -
PLOT DATE = \$PLOTDATE\$	CHECKED - KDN	REVISED -
	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

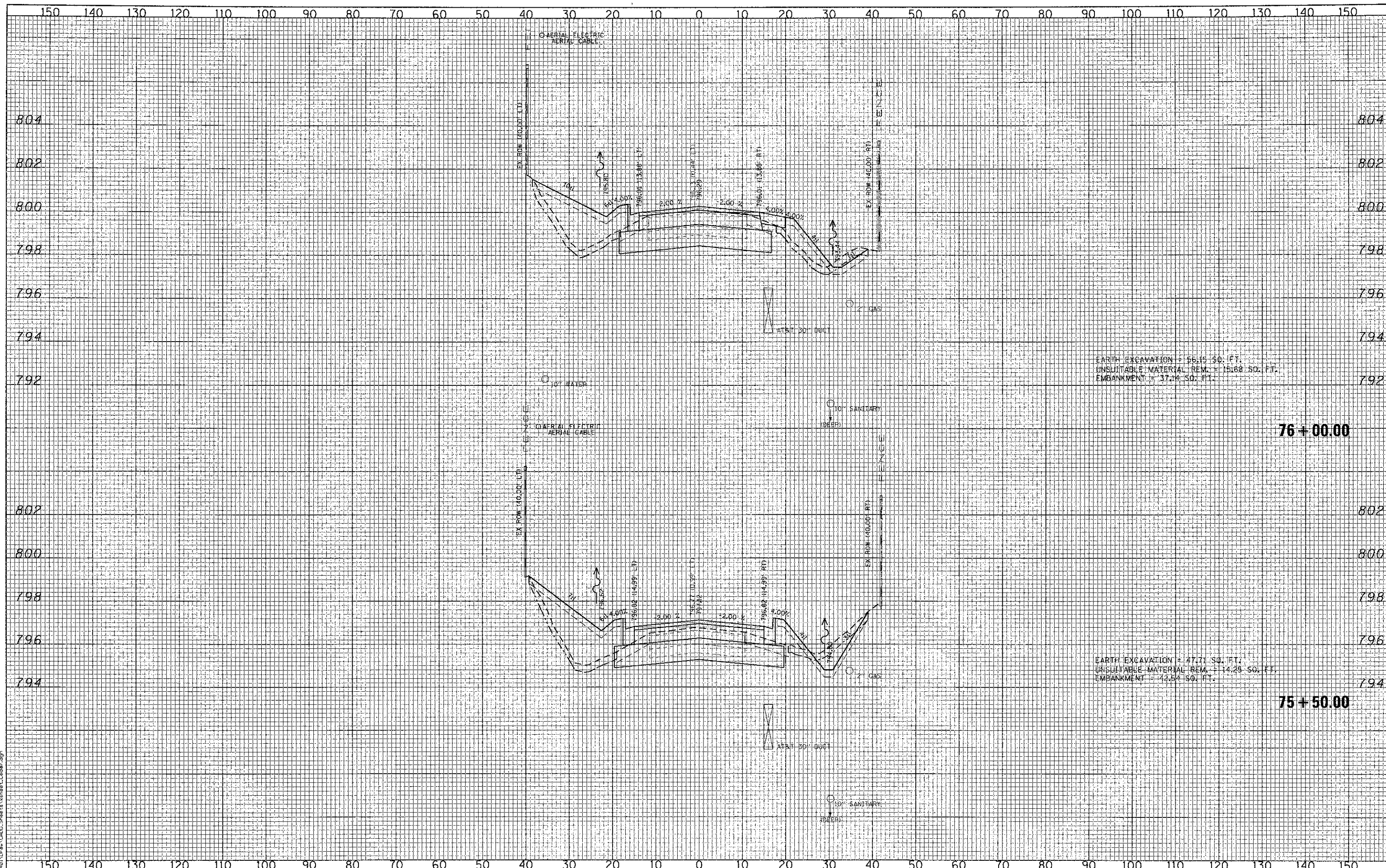
CEDAR LAKE ROAD - CROSS SECTIONS

SCALE: 10'H=1"	SHEET NO. OF SHEETS	STA. 75+00.00 TO STA. 75+22.49	F.A. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 99
FED. ROAD DIST. NO. 1							ILLINOIS FED. AID PROJECT

CONTRACT NO. 63682

DATE	
BY	
FINAL SURVEY	
PLOTTED	
TEMPLATE	
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DATE	
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ORIGINAL SURVEY	
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AREAS CHECKED	

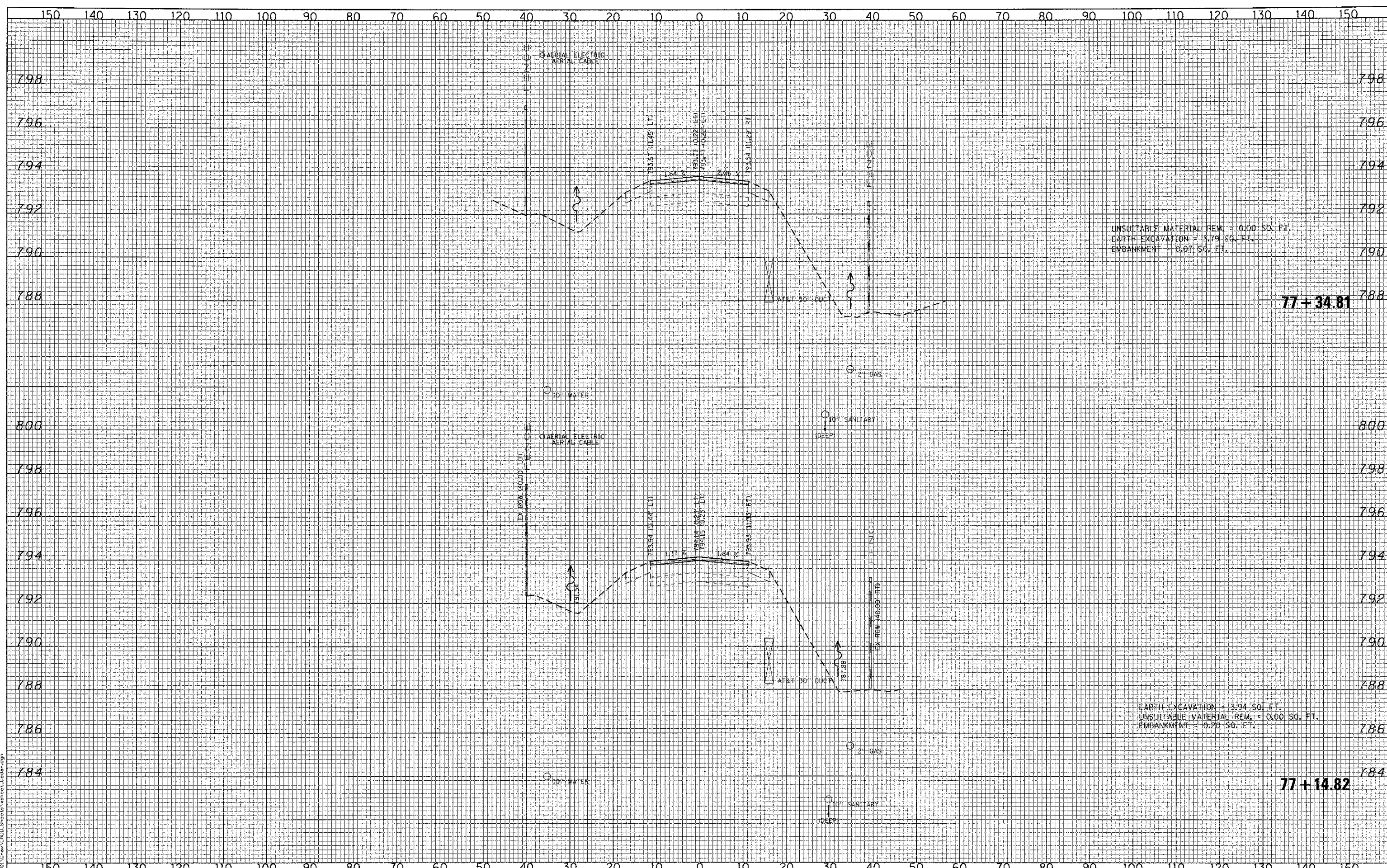


EARTH EXCAVATION = 56.15 SQ. FT.
 UNSUITABLE MATERIAL REM. = 15.68 SQ. FT.
 EMBANKMENT = 37.24 SQ. FT.

EARTH EXCAVATION = 47.71 SQ. FT.
 UNSUITABLE MATERIAL REM. = 14.29 SQ. FT.
 EMBANKMENT = 32.54 SQ. FT.

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

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



UNSUITABLE MATERIAL REM. = 0.00 SQ. FT.
 EARTH EXCAVATION = 13.79 SQ. FT.
 EMBANKMENT = 0.07 SQ. FT.

77+34.81

EARTH EXCAVATION = 3.94 SQ. FT.
 UNSUITABLE MATERIAL REM. = 0.00 SQ. FT.
 EMBANKMENT = 0.20 SQ. FT.

77+14.82



USER NAME = Jeff Sedg
 DESIGNED - CMC
 DRAWN - ERD
 CHECKED - KDN
 DATE - 10/22/2012
 PLOT SCALE = 20,0000 / in.
 PLOT DATE = #PLOTDATE#

REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

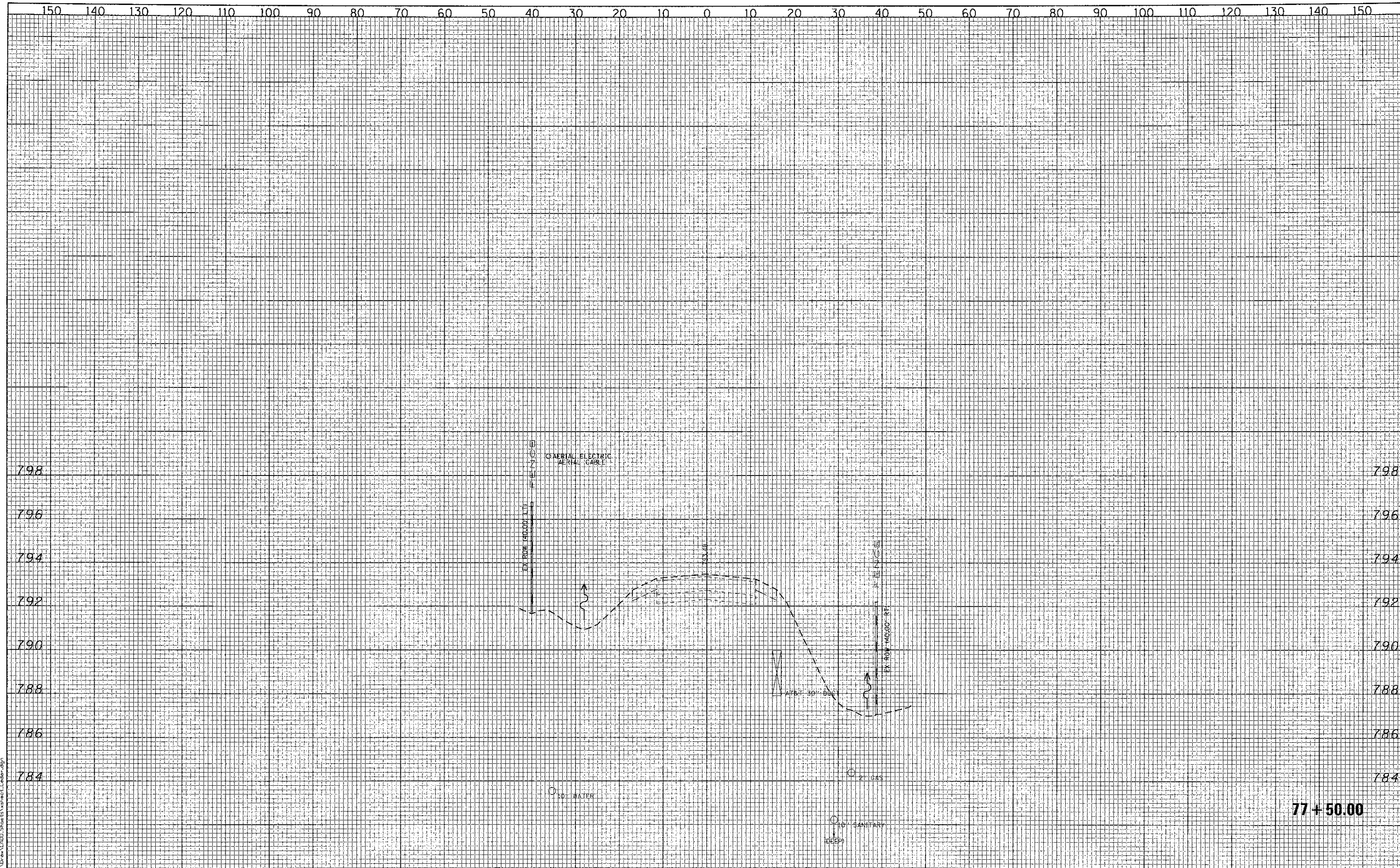
CEDAR LAKE ROAD - CROSS SECTIONS

SCALE: 10H:8V SHEET NO. OF SHEETS STA. 77+14.82 TO STA. 77+34.81

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	102
CONTRACT NO. 63682				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

BY	DATE
SURVEYED	
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TEMPLATE	
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CHECKED	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



FILE NAME : L:\ALBECO\122401\Draw\CADD_Sheets\Sheet_CrossSec.dwg

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 CONSULTING ENGINEERS
 License No. 04-000613

USER NAME = Jeff Sedig	DESIGNED - CMC	REVISED -
	DRAWN - ERD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KDN	REVISED -
PLOT DATE = 9/10/2012	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

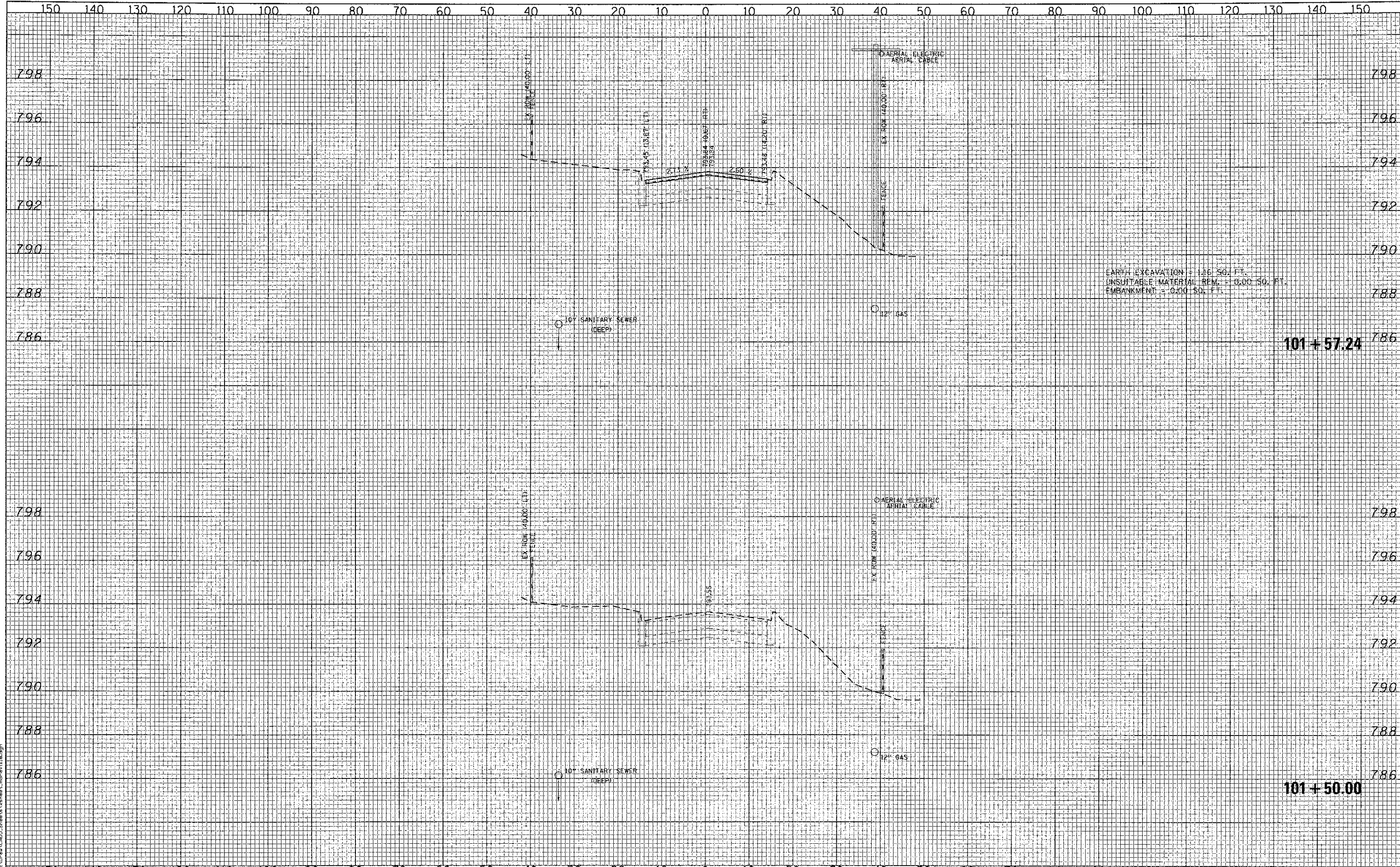
CEDAR LAKE ROAD - CROSS SECTIONS

SCALE: 10H:8V SHEET NO. OF SHEETS STA. 77+50.00 TO STA. 77+50.00

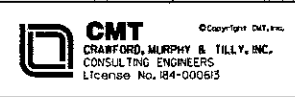
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	103
CONTRACT NO. 63682				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

BY _____ DATE _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
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BY _____ DATE _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



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USER NAME = Jeff Sedig
 PLOT SCALE = 20,0000 1/16"
 PLOT DATE = \$PLOTDATE\$

DESIGNED - CMC
 DRAWN - ERD
 CHECKED - KDN
 DATE - 10/22/2012

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

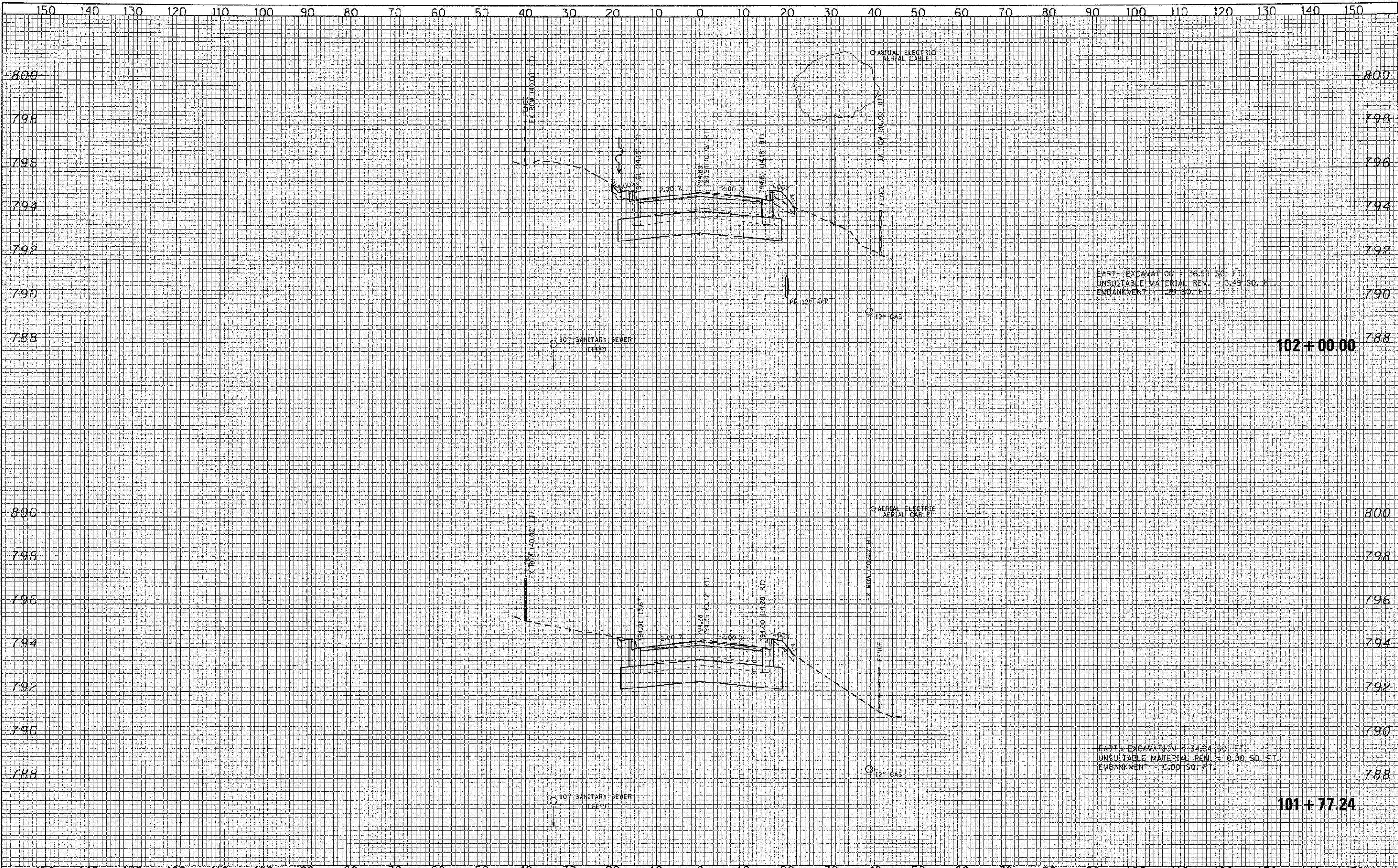
MONAVILLE ROAD - CROSS SECTIONS

SCALE: 10H:2V SHEET NO. OF SHEETS STA. 101+50.00 TO STA. 101+57.24

F.A. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 104
CONTRACT NO. 63682				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
NOTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
TEMPLATE	
AREAS CHECKED	



EARTH EXCAVATION = 36.55 SQ. FT.
 UNSUITABLE MATERIAL REM. = 3.45 SQ. FT.
 EMBANKMENT = 1.29 SQ. FT.

EARTH EXCAVATION = 34.64 SQ. FT.
 UNSUITABLE MATERIAL REM. = 0.00 SQ. FT.
 EMBANKMENT = 0.00 SQ. FT.

102 + 00.00

101 + 77.24

FILE NAME =



USER NAME =	Jeff Seelig
DESIGNED -	CMC
DRAWN -	ERD
CHECKED -	KDN
DATE -	10/22/2012

REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

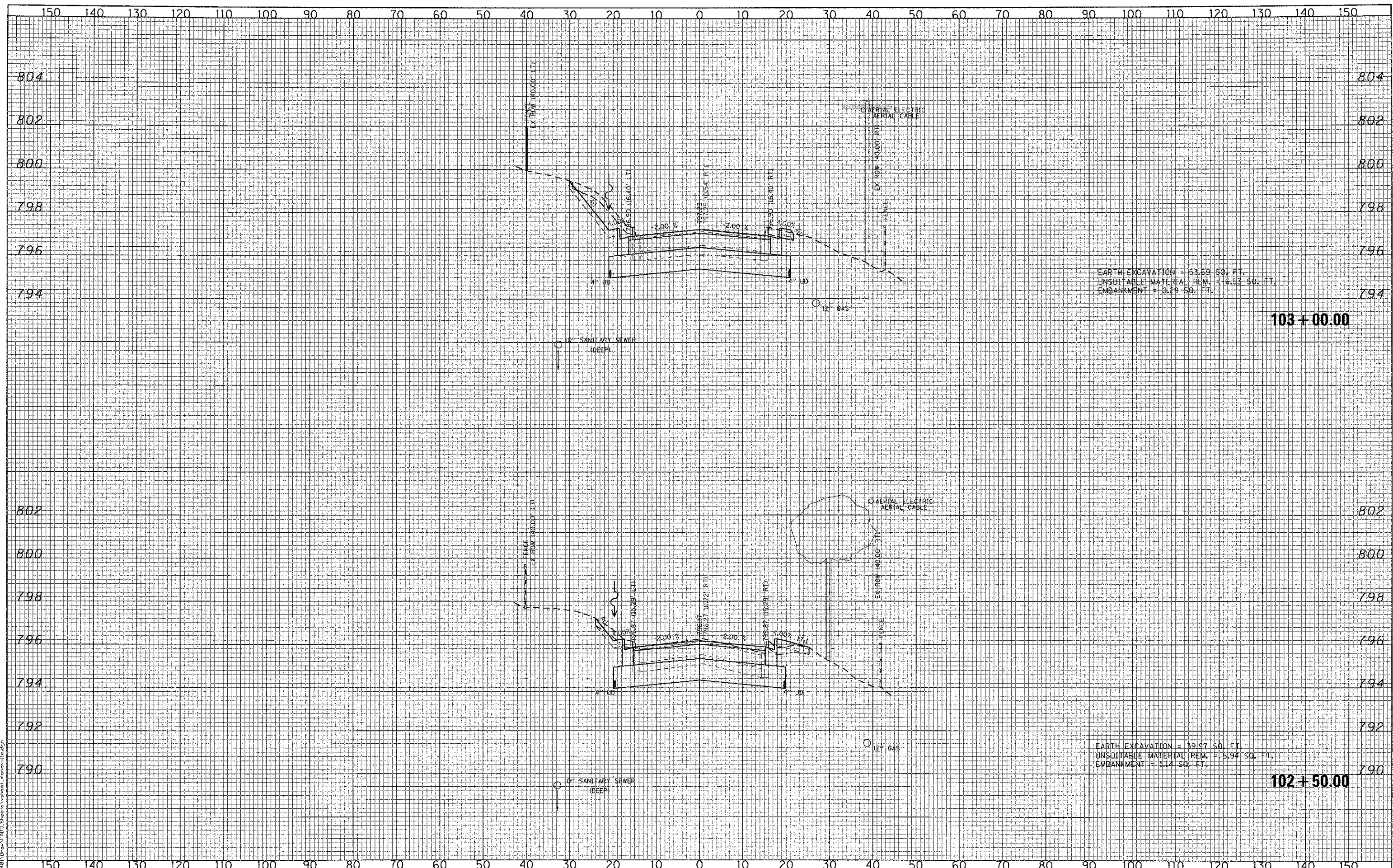
MONAVILLE ROAD - CROSS SECTIONS

SCALE: 10H:2V SHEET NO. OF SHEETS STA. 101+77.24 TO STA. 102+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	105
CONTRACT NO. 63682				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

DATE: _____
 BY: _____
 SURVEYED _____
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 NOTE BOOK _____
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DATE: _____
 BY: _____
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 AREAS CHECKED _____

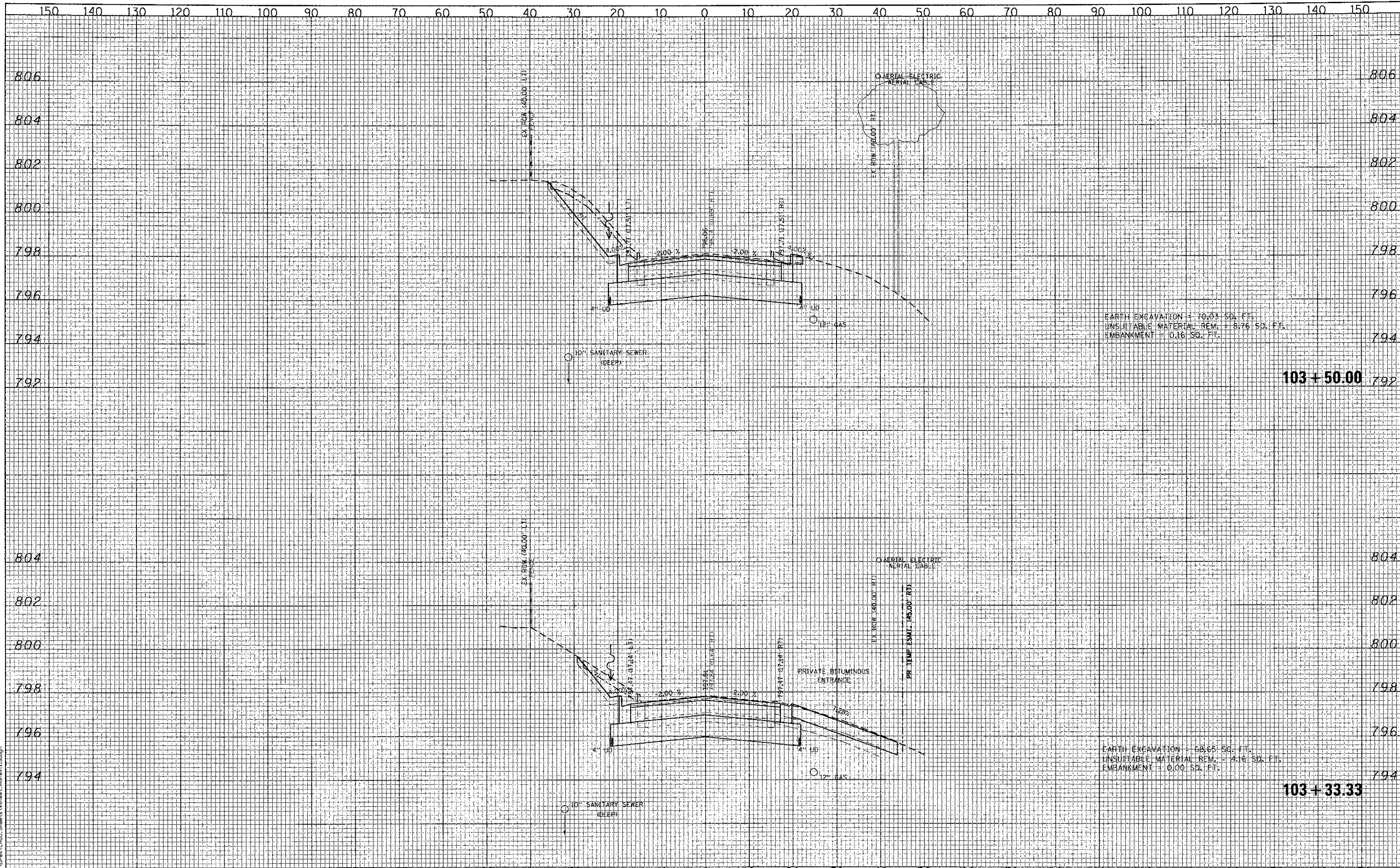


EARTH EXCAVATION = 53.69 SQ. FT.
 UNSUITABLE MATERIAL REM. = 6.82 SQ. FT.
 EMBANKMENT = 3.29 SQ. FT.

EARTH EXCAVATION = 39.97 SQ. FT.
 UNSUITABLE MATERIAL REM. = 5.94 SQ. FT.
 EMBANKMENT = 1.14 SQ. FT.

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	



EARTH EXCAVATION = 70.03 SQ. FT.
 UNSUITABLE MATERIAL REM. = 8.76 SQ. FT.
 EMBANKMENT = 0.16 SQ. FT.

EARTH EXCAVATION = 68.65 SQ. FT.
 UNSUITABLE MATERIAL REM. = 4.16 SQ. FT.
 EMBANKMENT = 0.00 SQ. FT.

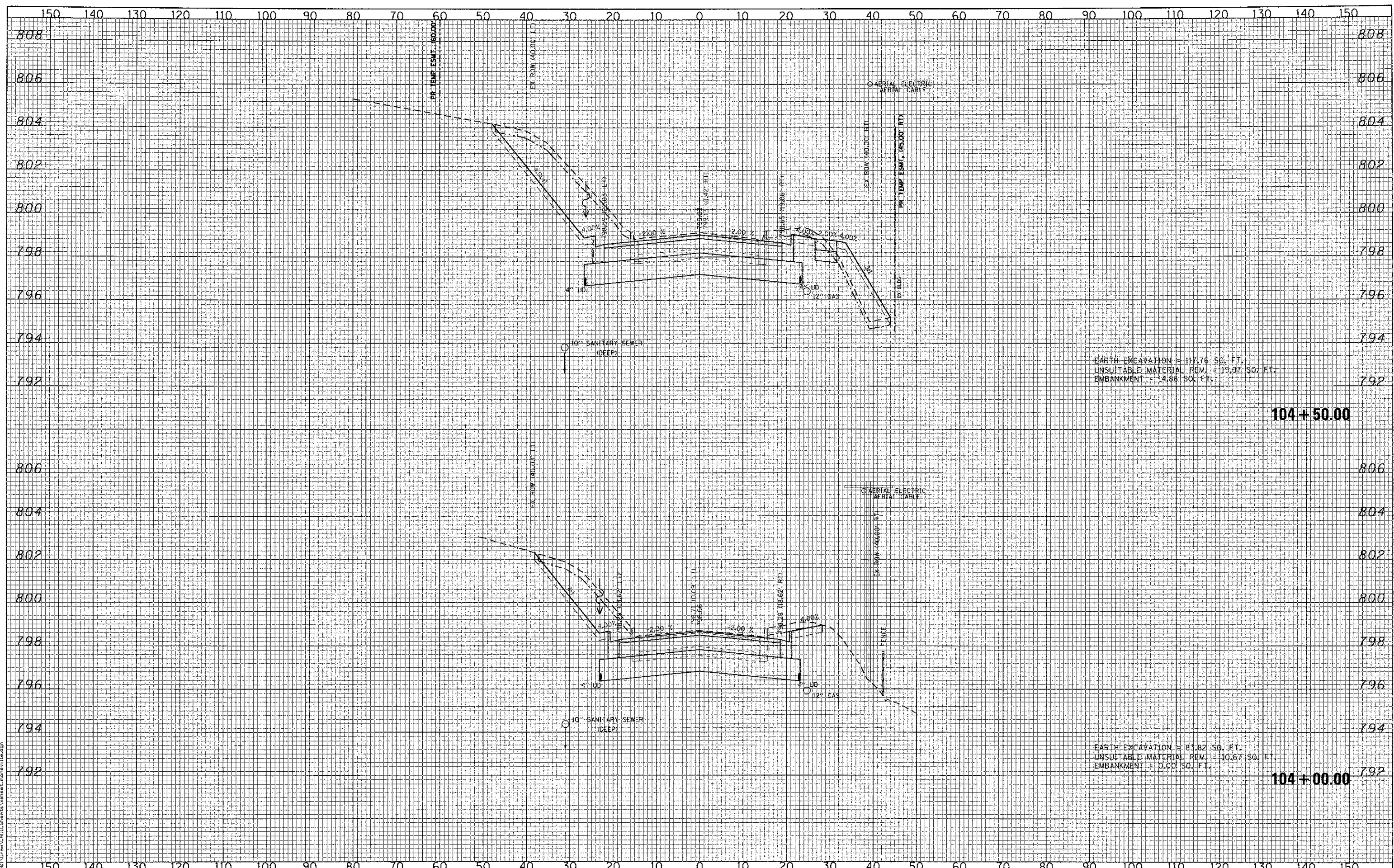
103+50.00

103+33.33

 CMT CRANFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000615	USER NAME = Jeff Sedig PLOT SCALE = 20.0000' / in. PLOT DATE = #PLOTDATE#	DESIGNED - CMC DRAWN - ERD CHECKED - KDN DATE - 10/22/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		MONAVILLE ROAD - CROSS SECTIONS				F.A. RTE. 0192 SECTION 06-00153-07-CH COUNTY LAKE TOTAL SHEETS 120 SHEET NO. 107 CONTRACT NO. 63682
	SCALE: 10Hx2V SHEET NO. OF SHEETS STA. 103+33.33 TO STA. 103+50.00 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT									

DATE: _____ BY: _____
 SUBMITTED: _____
 SURVEY: _____
 PLOTTED: _____
 TEMPLATE: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____
 NO. _____

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



EARTH EXCAVATION = 117.76 SQ. FT.
 UNSUITABLE MATERIAL REM. = 19.97 SQ. FT.
 EMBANKMENT = 14.86 SQ. FT.

104+50.00

EARTH EXCAVATION = 83.82 SQ. FT.
 UNSUITABLE MATERIAL REM. = 10.67 SQ. FT.
 EMBANKMENT = 0.00 SQ. FT.

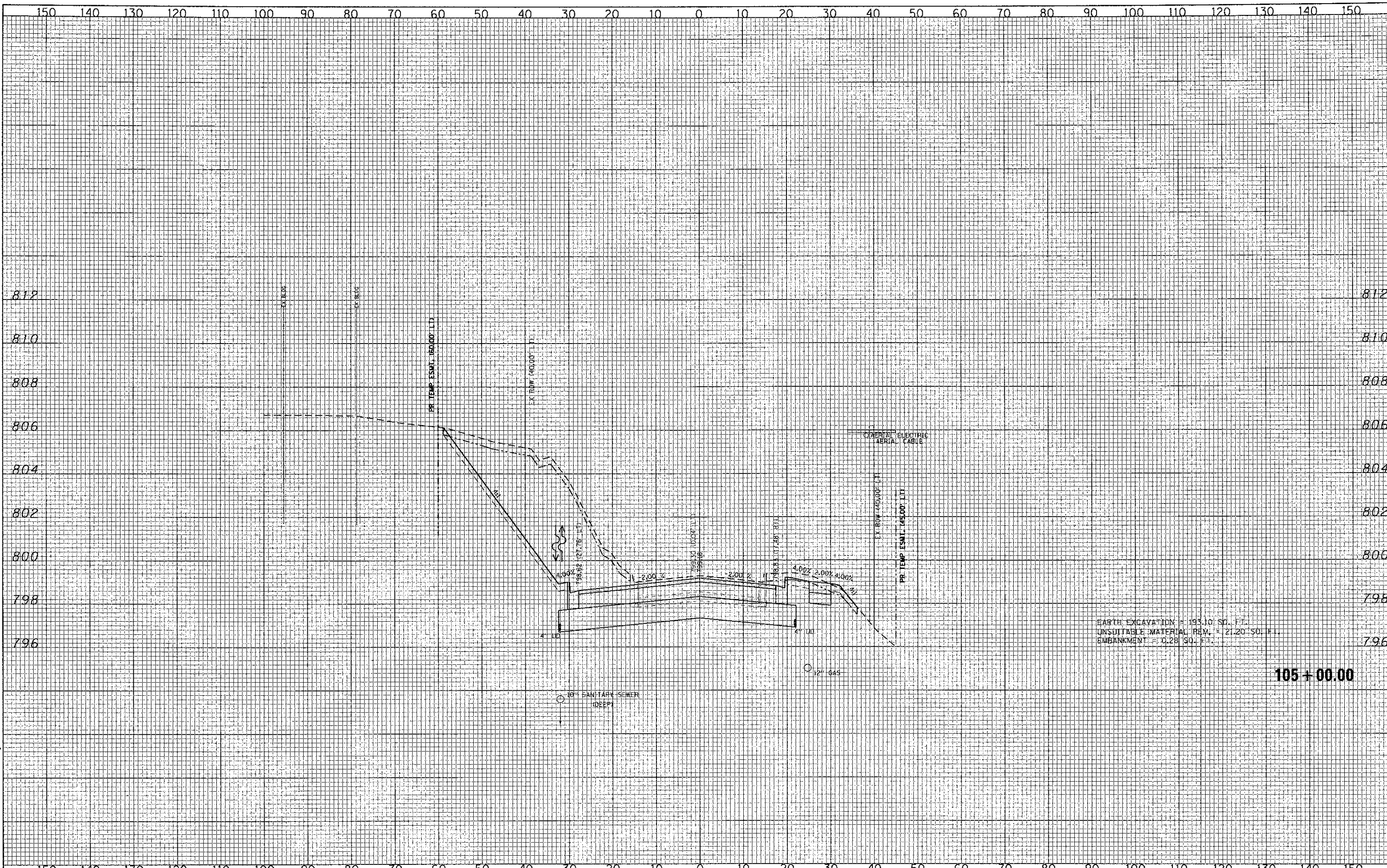
104+00.00

 CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 06-000613	USER NAME = Jeff Sedig	DESIGNED - CMC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MONAVILLE ROAD - CROSS SECTIONS			F.A. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 108	
	PLOT SCALE = 20.0000' / 1" =	CHECKED - KDN	REVISED -		SCALE: 10H:2V	SHEET NO. OF SHEETS	STA. 104+00.00 TO STA. 104+50.00	CONTRACT NO. 63682					
	PLOT DATE = #PLOTDATE#	DATE - 10/22/2012	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

DATE	
BY	
FINAL SURVEY	
TEMP. AREAS	
NOTE BOOK	
AREAS CHECKED	

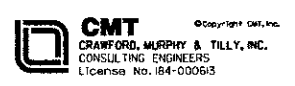
DATE	
BY	
ORIGINAL SURVEY	
TEMP. AREAS	
NOTE BOOK	
AREAS CHECKED	

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EARTH EXCAVATION = 195.10 SQ. FT.
 UNSUITABLE MATERIAL REM. = 21.20 SQ. FT.
 EMBANKMENT = 0.28 SQ. FT.

105+00.00



USER NAME = Jeff Sedig	DESIGNED - CMC	REVISED -
	DRAWN - ERD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KDN	REVISED -
PLOT DATE = *PLOTDATE*	DATE - 10/22/2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

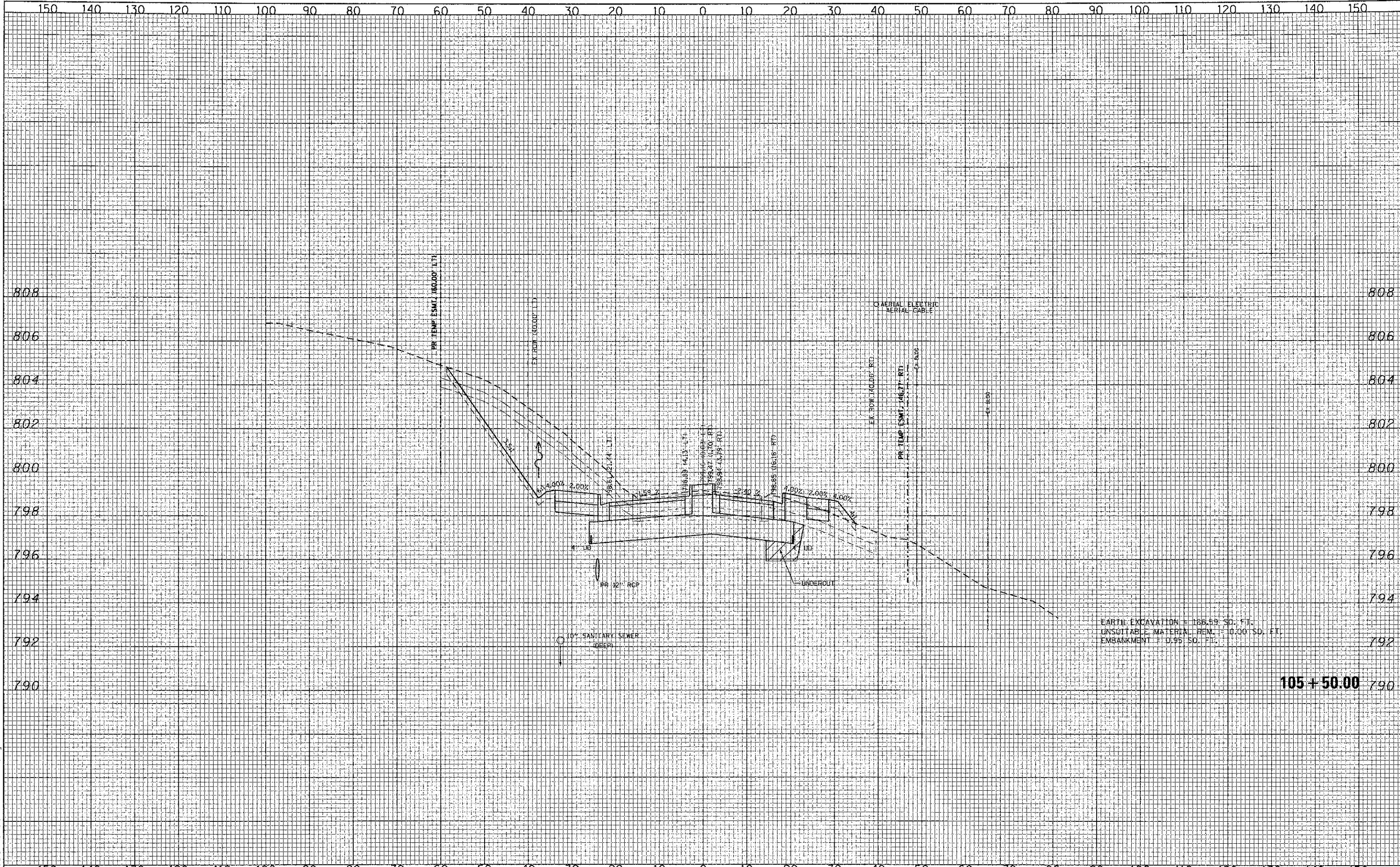
MONVILLE ROAD - CROSS SECTIONS

SCALE: 10H:2V SHEET NO. OF SHEETS STA. 105+00.00 TO STA. 105+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	109
				CONTRACT NO. 63682
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

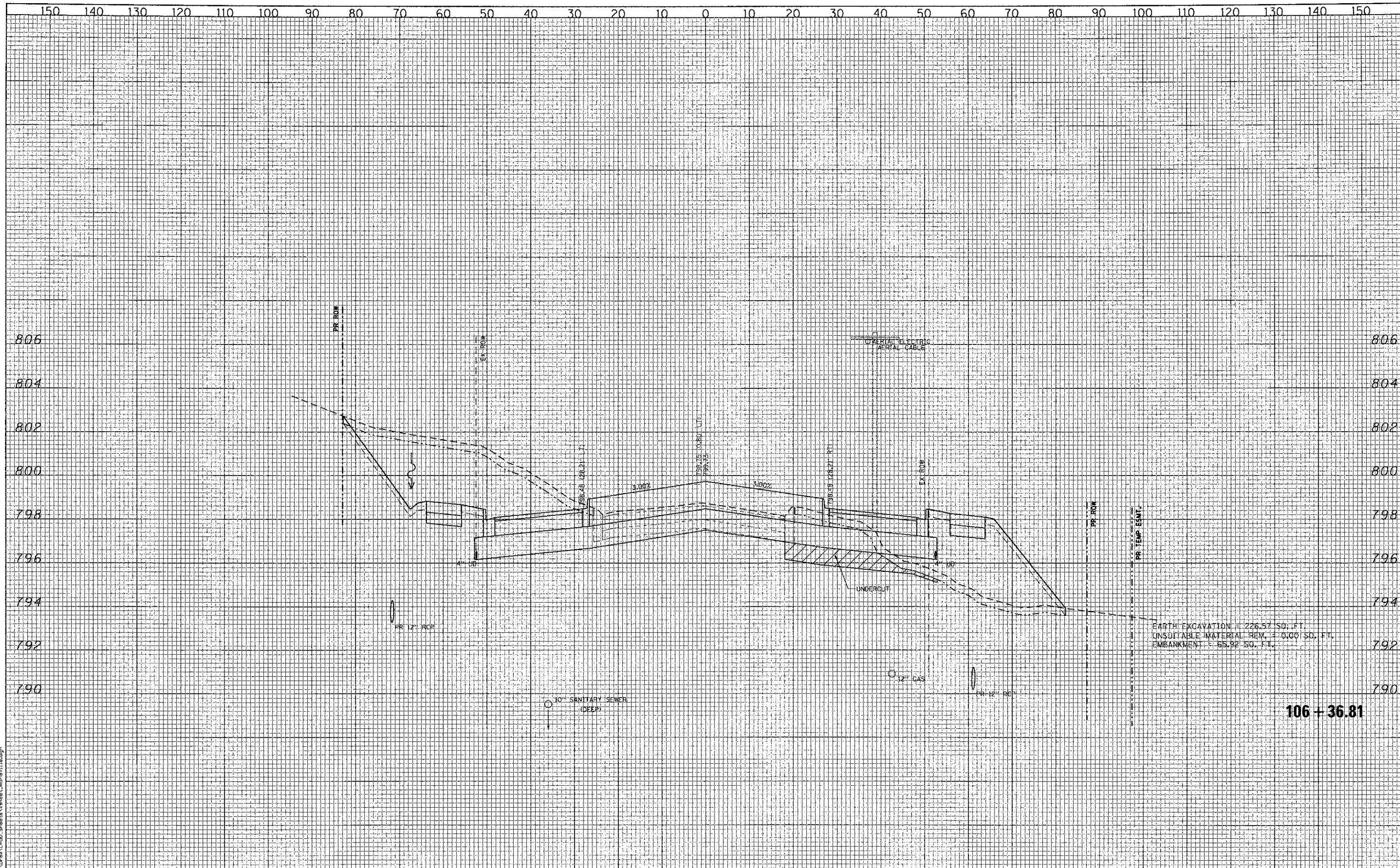


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CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 164-000613	USER NAME = Jeff Sadiq PLOT SCALE = 20.0000' / 1"	DESIGNED - CMC DRAWN - ERD CHECKED - KDN DATE - 10/22/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		MONAVILLE ROAD - CROSS SECTIONS		F.A. RTE. 0192 SECTION 06-00153-07-CH COUNTY LAKE TOTAL SHEETS 120 SHEET NO. 110 CONTRACT NO. 63682
	SCALE: 10H:2V SHEET NO. OF SHEETS STA. 105+50.00 TO STA. 105+50.00	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT						

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

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



EARTH EXCAVATION = 226.57 SQ. FT.
 UNSUITABLE MATERIAL REM. = 0.00 SQ. FT.
 EMBANKMENT = 65.92 SQ. FT.

106 + 36.81

FILE NAME = L:\AL\MECO\112240\Draw\CADD_Sheet\Sheet_monaville.dwg



USER NAME = Jeff Sedrg	DESIGNED - CMC	REVISED -
	DRAWN - ERD	REVISED -
PLOT SCALE = 20.0000 / in.	CHECKED - KDN	REVISED -
PLOT DATE = \$PLOTDATE\$	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

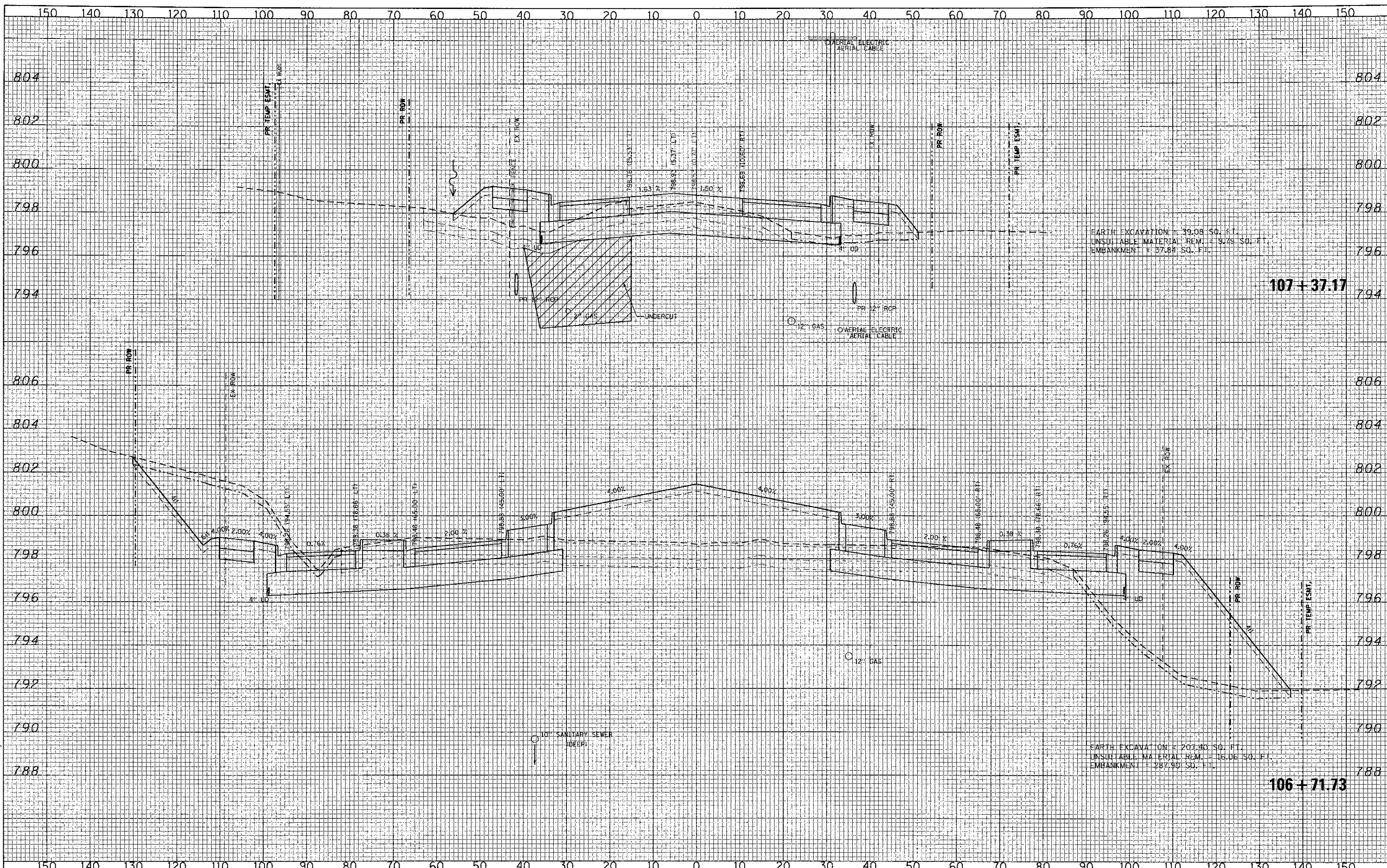
MONAVILLE ROAD - CROSS SECTIONS

SCALE: 10H:2V SHEET NO. OF SHEETS STA. 106+36.81 TO STA. 106+36.81

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	113
CONTRACT NO. 63682				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



EARTH EXCAVATION = 39.08 SQ. FT.
 UNSUITABLE MATERIAL REM. = 9.79 SQ. FT.
 EMBANKMENT = 37.89 SQ. FT.

EARTH EXCAVATION = 207.40 SQ. FT.
 UNSUITABLE MATERIAL REM. = 16.06 SQ. FT.
 EMBANKMENT = 287.90 SQ. FT.

107+37.17

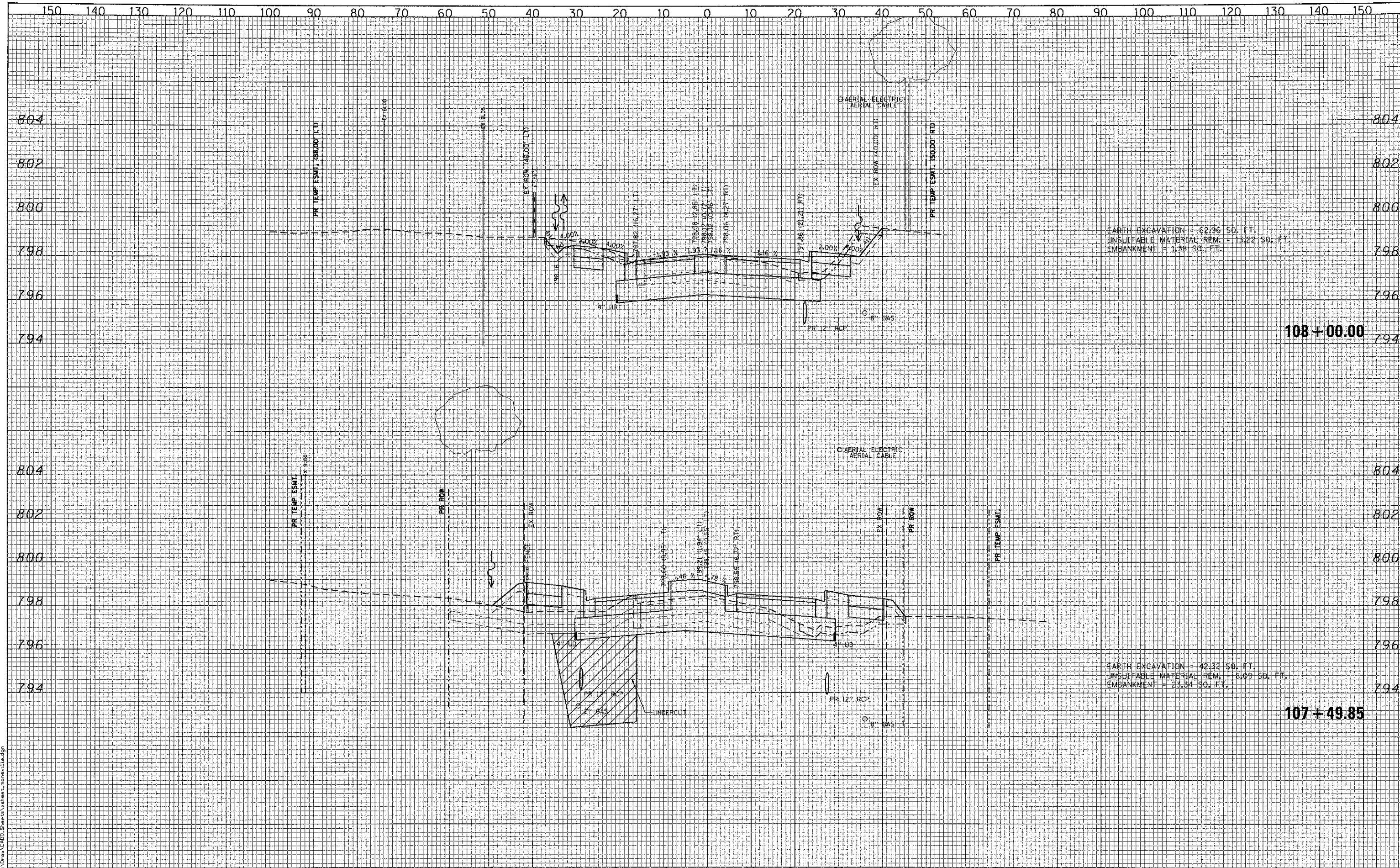
106+71.73

CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME = Jeff Sedvig DESIGNED - CMC DRAWN - ERD CHECKED - KDN DATE - 10/22/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		MONAVILLE ROAD - CROSS SECTIONS		F.A. RTE. 0192	SECTION 06-00153-07-CH	COUNTY LAKE	TOTAL SHEETS 120	SHEET NO. 114
	PLOT SCALE = 20.0000' / 1"	PLOT DATE = \$PLOTDATE\$	SCALE: 10H:2V	SHEET NO. OF SHEETS	STA. 106+71.73 TO STA. 107+37.17	CONTRACT NO. 63682 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

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DATE: _____
 BY: _____
 SUBMITTED: _____
 PLOTTED: _____
 TEMPLATE: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____
 NO. _____

DATE: _____
 BY: _____
 SCANNED: _____
 PLOTTED: _____
 TEMPLATE: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____
 NO. _____



EARTH EXCAVATION = 62.96 SQ. FT.
 UNSUITABLE MATERIAL REM. = 13.22 SQ. FT.
 EMBANKMENT = 1.38 SQ. FT.

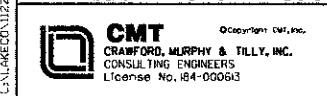
EARTH EXCAVATION = 42.32 SQ. FT.
 UNSUITABLE MATERIAL REM. = 8.09 SQ. FT.
 EMBANKMENT = 23.34 SQ. FT.

108+00.00

107+49.85

FILE NAME =

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USER NAME = Jeff Sedig
 DESIGNED - CMC
 DRAWN - ERD
 CHECKED - KDN
 DATE - 10/22/2012

REVISED -
 REVISED -
 REVISED -
 REVISED -

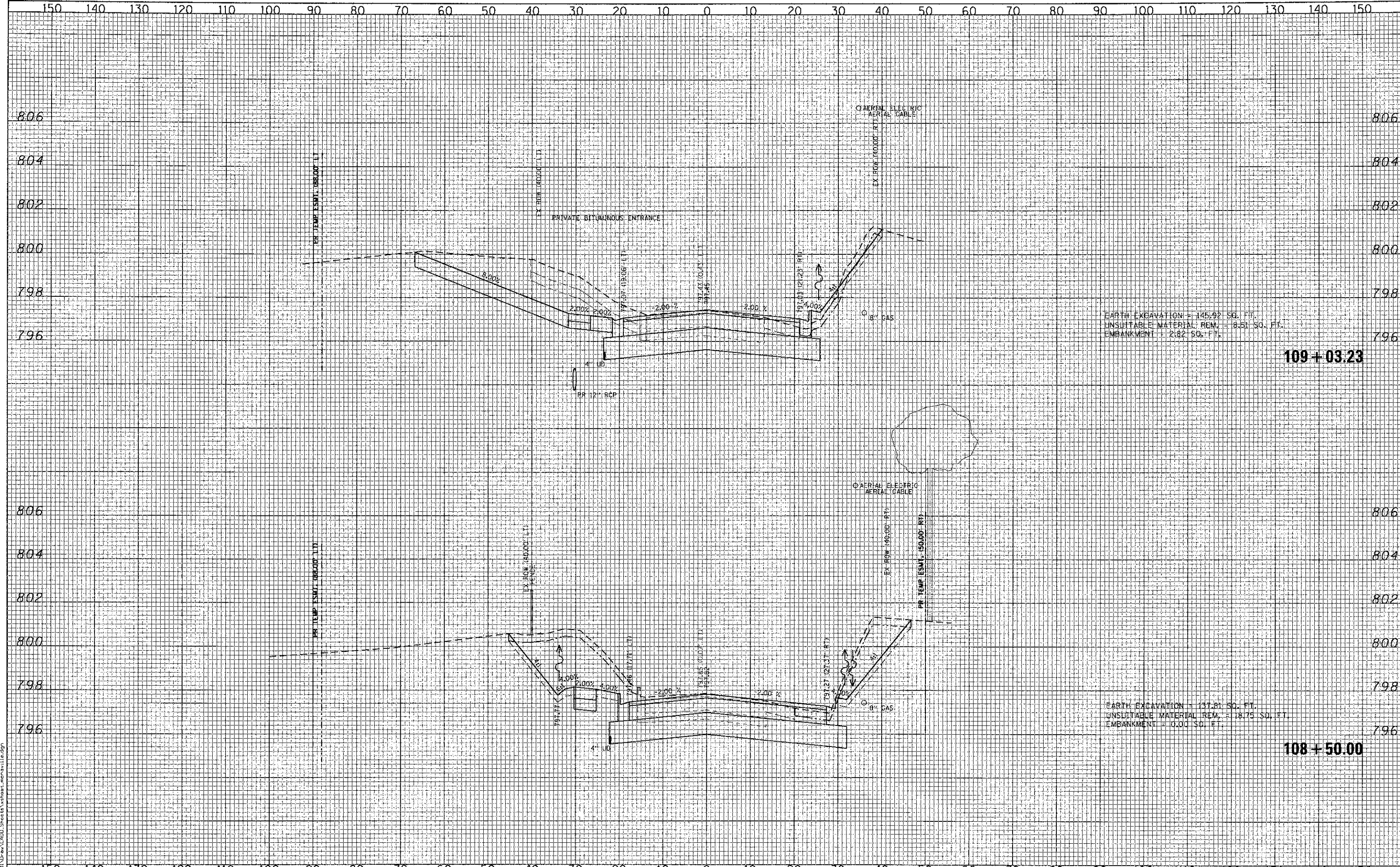
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MONAVILLE ROAD - CROSS SECTIONS
 SCALE: 10Hx2V
 SHEET NO. OF SHEETS STA. 107+49.85 TO STA. 108+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	115
CONTRACT NO. 63682				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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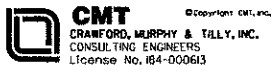
EARTH EXCAVATION = 145.92 SQ. FT.
 UNSUITABLE MATERIAL REM. = 8.51 SQ. FT.
 EMBANKMENT = 2.82 SQ. FT.

EARTH EXCAVATION = 137.81 SQ. FT.
 UNSUITABLE MATERIAL REM. = 18.75 SQ. FT.
 EMBANKMENT = 0.00 SQ. FT.

109+03.23

108+50.00

FILE NAME =



USER NAME = Jeff Sedig
 PLOT SCALE = 20.0000" = 1'
 PLOT DATE = #PLOTDATE#

DESIGNED - CMC
 DRAWN - ERD
 CHECKED - KDN
 DATE - 10/22/2012

REVISED -
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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

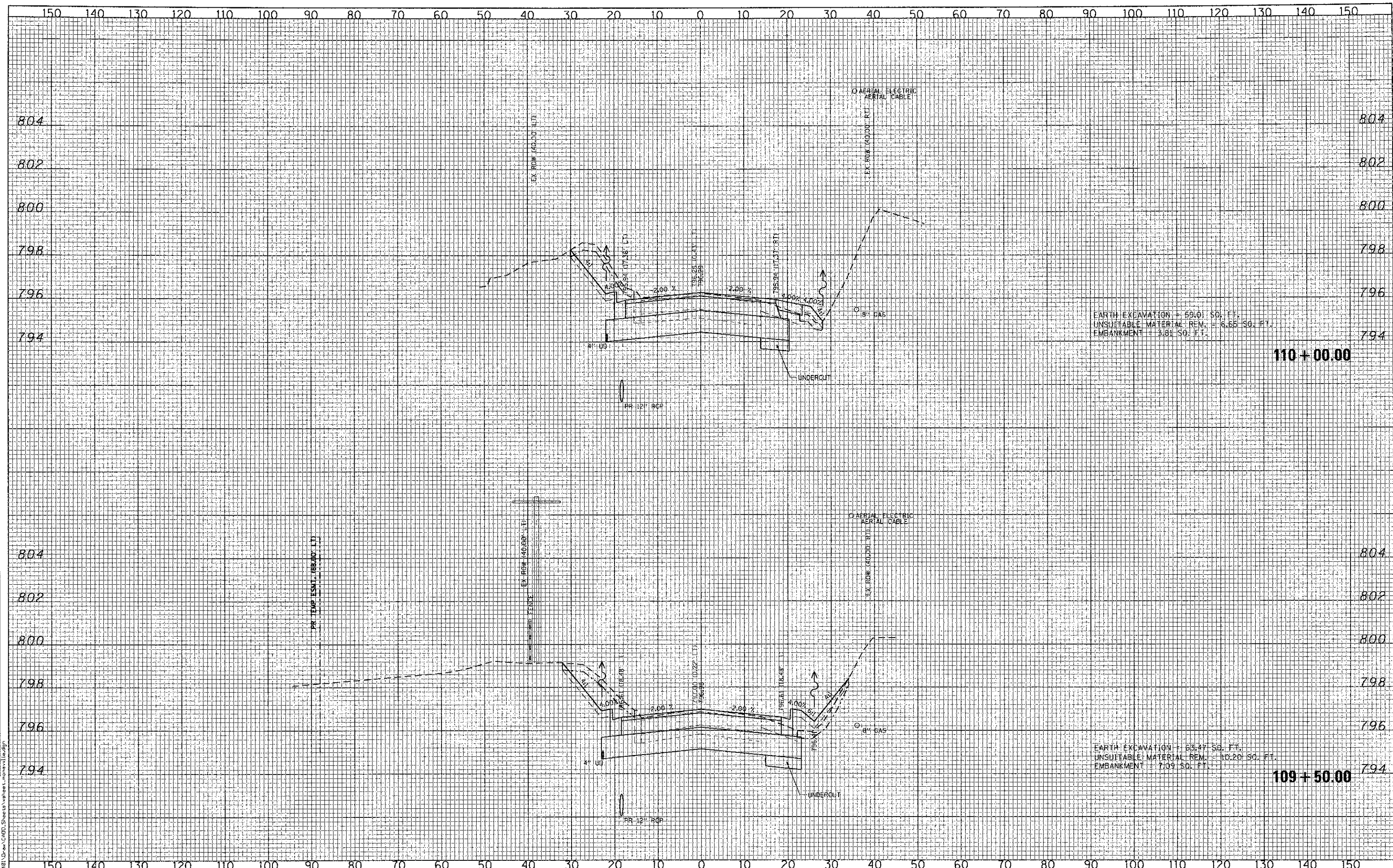
MONAVILLE ROAD - CROSS SECTIONS

SCALE: 10H:2V SHEET NO. OF SHEETS STA. 108+50.00 TO STA. 109+03.23

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	116
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
TEMPERATURE	
AREAS CHECKED	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
TEMPERATURE	
AREAS CHECKED	
AREAS CHECKED	



EARTH EXCAVATION = 59.01 SQ. FT.
 UNSUITABLE MATERIAL REM. = 6.65 SQ. FT.
 EMBANKMENT = 3.81 SQ. FT.

EARTH EXCAVATION = 63.47 SQ. FT.
 UNSUITABLE MATERIAL REM. = 10.20 SQ. FT.
 EMBANKMENT = 7.09 SQ. FT.

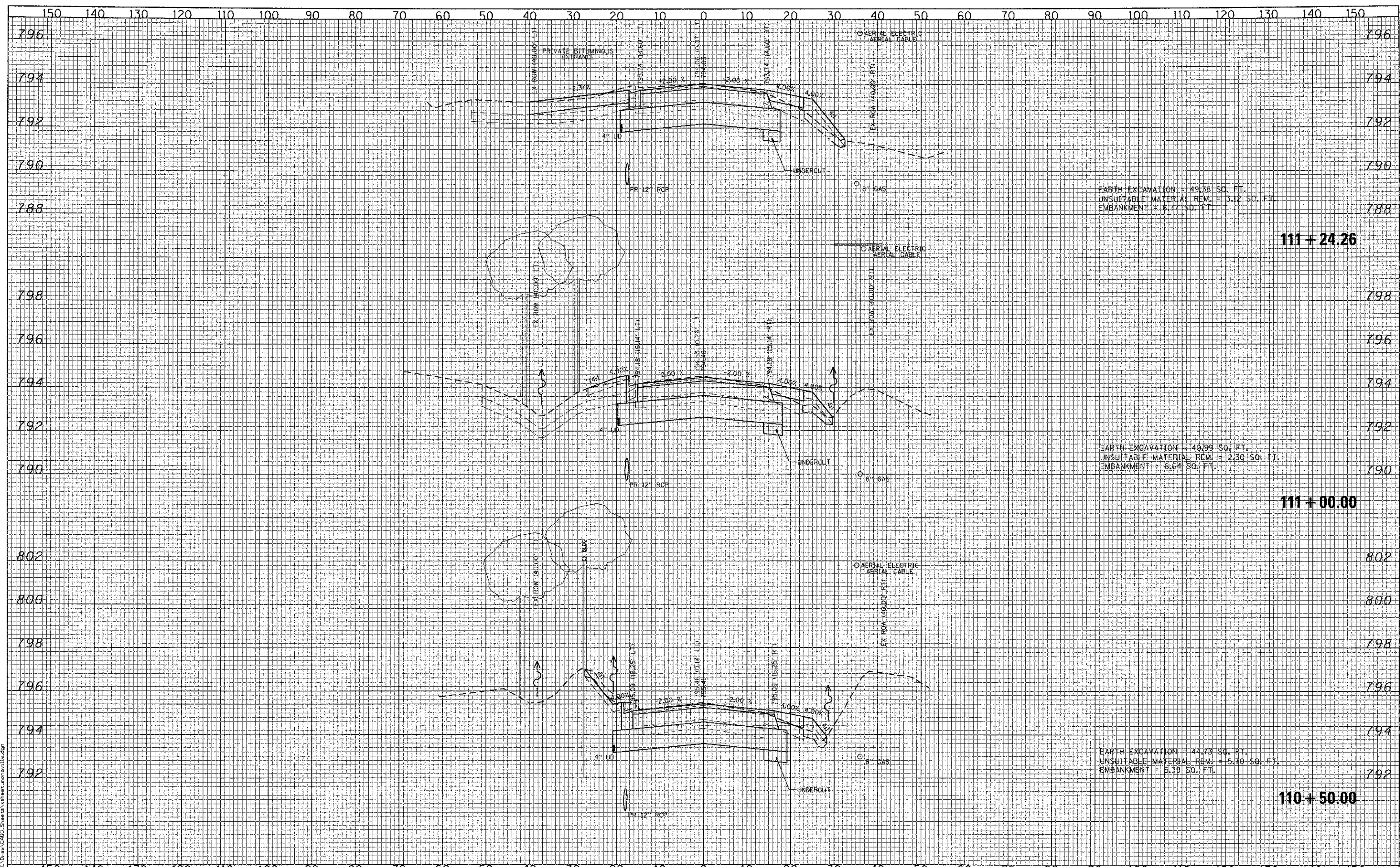
110 + 00.00

109 + 50.00

CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613	USER NAME = Jeff Sadig DESIGNED - CMC DRAWN - ERO CHECKED - KON DATE - 10/22/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MONAVILLE ROAD - CROSS SECTIONS	F.A. RTE. 0192 SECTION 06-00153-07-CH COUNTY LAKE TOTAL SHEETS 120 SHEET NO. 117 CONTRACT NO. 63682
	PLOT SCALE = 20,000 / 1" = 100' PLOT DATE = #PLOTDATE#	SCALE: 10H:2V SHEET NO. OF SHEETS STA. 109+50.00 TO STA. 110+00.00			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



EARTH EXCAVATION = 49.38 SQ. FT.
 UNSUITABLE MATERIAL REM. = 3.12 SQ. FT.
 EMBANKMENT = 8.77 SQ. FT.

EARTH EXCAVATION = 40.99 SQ. FT.
 UNSUITABLE MATERIAL REM. = 2.30 SQ. FT.
 EMBANKMENT = 6.64 SQ. FT.

EARTH EXCAVATION = 44.73 SQ. FT.
 UNSUITABLE MATERIAL REM. = 5.70 SQ. FT.
 EMBANKMENT = 5.39 SQ. FT.

111+24.26

111+00.00

110+50.00

FILE NAME =

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 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 084-000613

USER NAME = Jeff Sedig	DESIGNED - CMC	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - ERD	REVISED -
PLOT DATE = #PLOTDATE#	CHECKED - KDN	REVISED -
	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

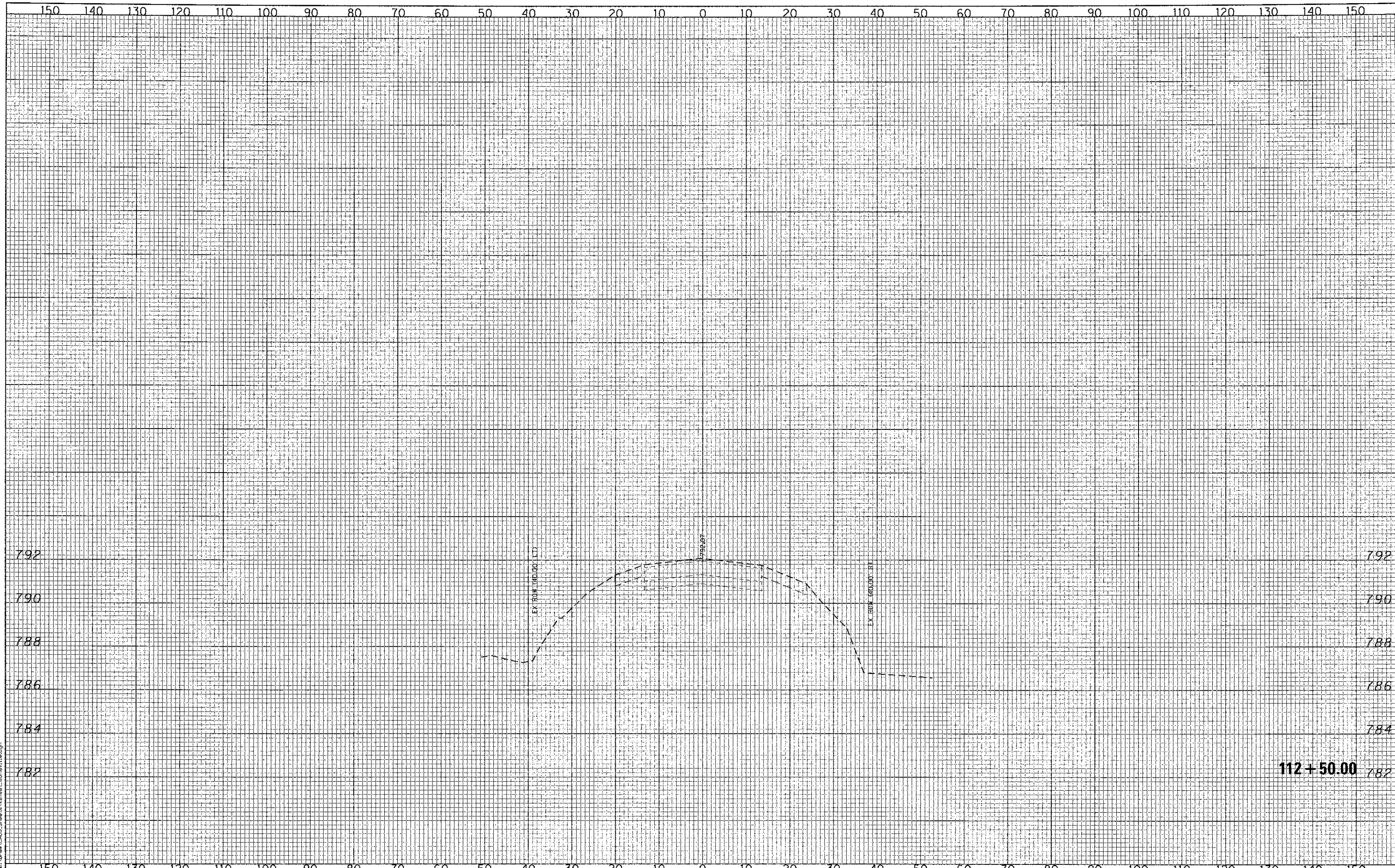
MONAVILLE ROAD - CROSS SECTIONS

SCALE: 10Hx2V SHEET NO. OF SHEETS STA. 110+50.00 TO STA. 111+24.26

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	118
				CONTRACT NO. 63682
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



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CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

USER NAME = Jeff Seidy	DESIGNED - CMC	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - ERD	REVISED -
PLOT DATE = \$PLOTDATE\$	CHECKED - KDN	REVISED -
	DATE - 10/22/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MONAVILLE ROAD - CROSS SECTIONS	
SCALE: 10Hx2V	SHEET NO. OF SHEETS
STA. 112+50.00	TO STA. 112+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0192	06-00153-07-CH	LAKE	120	120
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

112+50.00