

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	10-00047-00-SW	COOK	10	1
F.H.W.A. REG.		ILLINOIS PROJECT	ARA-9003(667)	

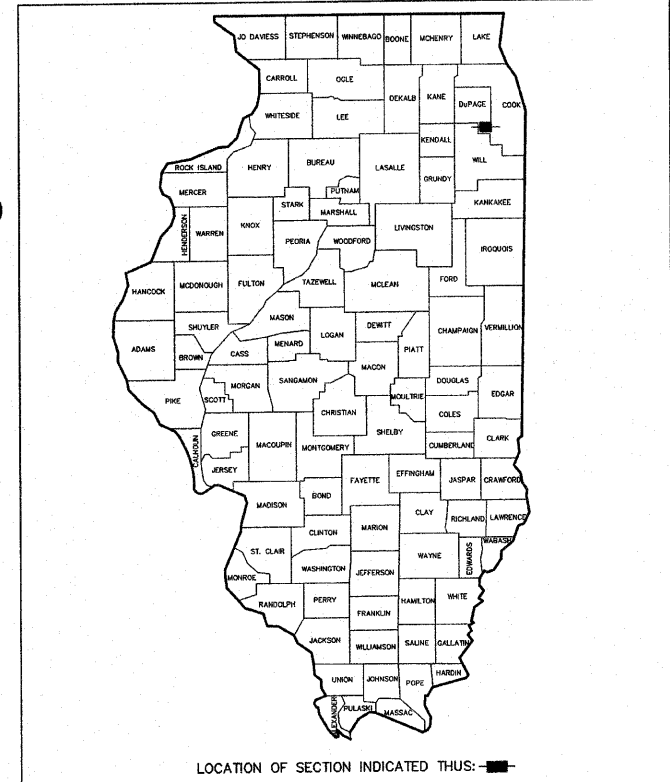
CONTRACT NO. 63493

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAU 1587 (McCARTHY ROAD) - FROM WOODCREST LANE TO WALKER ROAD
SIDEWALK

PROJECT MARRA-9003(667)
SECTION 10-00047-00-SW
VILLAGE OF LEMONT
COOK COUNTY
C-91-673-10



LOCATION OF SECTION INDICATED THIS: [Symbol]

- INDEX OF SHEETS**
- COVER SHEET, INDEX OF SHEETS, LOCATION MAP, INDEX OF HIGHWAY STANDARDS
 - GENERAL NOTES, SUMMARY OF QUANTITIES
 - SCHEDULE OF QUANTITIES
 - TYPICAL SIDEWALK SECTIONS, HOT-MIX ASPHALT MIXTURE REQUIREMENTS, BENCHMARKS
 - PLAN & PROFILE: McCARTHY ROAD (SIDEWALK) - WOODCREST LANE TO STA. 10+50
 - PLAN & PROFILE: McCARTHY ROAD (SIDEWALK) - STA. 10+50 TO WALKER ROAD
 - 8.) CROSS SECTIONS: McCARTHY ROAD (SIDEWALK) - WOODCREST LANE TO WALKER ROAD
 - TC-10 TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS, & DRIVEWAYS
 - TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS

HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 424001-05 CURB RAMPS FOR SIDEWALK
- 542301-02 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 542311-01 GRATING FOR CONCRETE FLARED SECTION (FOR 24" (600 MM) THRU 54" (1350 MM) PIPE)
- 602401-02 MANHOLE-TYPE A
- 602601-02 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 604001-03 FRAMES & LIDS-TYPE 1
- 701301-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-05 URBAN LANE CLOSURE, 2 L, 2 W UNDIVIDED
- 701801-04 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES

TRAFFIC DATA

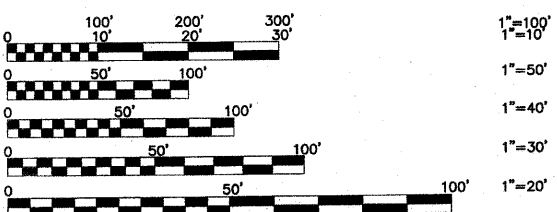
ADT: McCARTHY ROAD EXISTING: 6,500 (2009) DESIGN: 8,500 (2027) DESIGN DESIGNATION: MINOR ARTERIAL

POSTED SPEED

40 MPH-McCARTHY ROAD (EXISTING) DESIGN SPEED: 45 MPH-McCARTHY ROAD (PROPOSED)

DESIGN DESIGNATION:

PROJECT LOCATED IN THE
VILLAGE OF LEMONT



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.

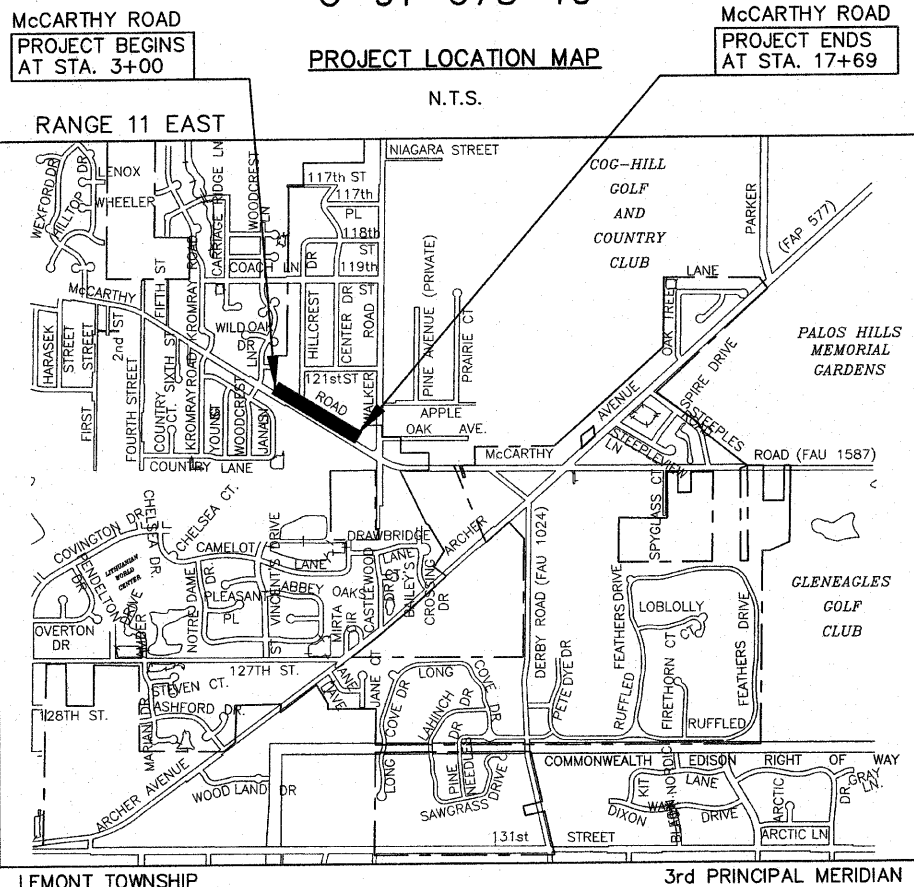
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811

Know what's below.
Call before you dig.

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825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0182
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	JLC	6-10-10	PER I.D.O.T. REVIEW
2	JLC	6-17-10	PER I.D.O.T. REVIEW

CONTRACT NO. 63493



THICK BLACK LINE DENOTES LOCATION OF IMPROVEMENT

LENGTH OF PROJECT

GROSS LENGTH OF PROJECT 1,469 FEET (0.2782 MILES)
NET LENGTH OF PROJECT 1,469 FEET (0.2782 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED JUNE 17 2010
VILLAGE OF LEMONT [Signature] BRIAN K. REAVES, VILLAGE MAYOR

PASSED July 19 2010
[Signature] DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW JULY 21, 2010
[Signature] DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

[Signature]
JAMES L. CAINKAR, P.E.
IL. P.E. NO. 62-36190
EXPIRES 11-30-2011

7-13-10
DATE

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

GENERAL CONSTRUCTION NOTES

SPECIFICATIONS

THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY GOVERN OTHER WORK ON THIS PROJECT AS INDICATED BY REFERENCE.

CARE IN EXCAVATION

CARE SHALL BE EXERCISED BY THE CONTRACTOR IN CARRYING OUT EARTH AND/OR TRENCHING OPERATIONS SO THAT LOCAL UTILITY SERVICES, WATER VALVES, MANHOLES, CATCH BASINS, INLETS, BUFFALO BOXES, AND OTHER STRUCTURES ARE NOT DAMAGED OR REMOVED. ANY DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 105.07 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

NOTIFICATION OF PUBLIC UTILITIES

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OFFICIALS OF THE PUBLIC WORKS DEPARTMENT OF THE LOCAL MUNICIPALITY, J.U.L.I.E. AT 1-800-892-0123 OR 811, AND OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THERETO. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

TRAFFIC CONTROL DEVICES

BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

PROTECTION OF SIGNS AND PROPERTY

ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLES 107.20 AND 107.21 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

SUPERINTENDENCE

SPECIAL ATTENTION IS DRAWN TO ARTICLE 105.06 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WHICH REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVING CONTROL OF ALL THE WORK AS THE AGENT OF THE GENERAL CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

SAWING EXISTING IMPROVEMENTS

ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ABUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED, SHALL BE SAWED AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR THE REMOVAL OF EACH ITEM, AND REPLACEMENT WILL BE PAID FOR UNDER THE RESPECTIVE ITEMS IN THE CONTRACT UNLESS OTHERWISE INDICATED.

CONSTRUCTION LAYOUT STAKES

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH WOODEN STAKES OR OTHER LAYOUT MATERIALS FOR LAYOUT OF THE LINES AND GRADES OF THE PROJECT. FAILURE TO PROVIDE STAKES IN A TIMELY MANNER WILL RESULT IN A DELAY IN STAKEOUT WHICH WILL BE APPLICABLE AGAINST THE TIME LIMIT FOR COMPLETION SHOWN IN THE PROJECT SPECIFICATIONS. LINE AND GRADE WILL BE ESTABLISHED BY THE ENGINEER AT REGULAR INTERVALS ON PERMANENTLY PAVED SURFACES, SIDEWALKS OR STAKES AT THE ENGINEER'S OPTION, ALL WITHIN THE PUBLIC RIGHT-OF-WAY AND SHALL BE TRANSFERRED BY THE CONTRACTOR TO THE ACTUAL LINE OF CONSTRUCTION.

PROJECT SAFETY

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE CONTRACTOR SHALL COMPLY WITH AND OBSERVE THE RULES AND REGULATIONS OF O.S.H.A. AND APPROPRIATE AUTHORITIES REGARDING SAFETY PROVISIONS. THE CONTRACTOR, ENGINEER, AND OWNER SHALL EACH BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.

THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE DOCUMENTS AND SPECIFICATIONS.

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

SPECIAL PROJECT NOTES

- 1) SIDEWALKS SHALL BE INCREASED TO 7" THICKNESS AT ALL DRIVEWAYS.
- 2) PROTECTIVE COAT SHALL BE USED ON ALL PORTLAND CEMENT CONCRETE SURFACE IN ACCORDANCE WITH ARTICLES 420.21, 420.22, AND 420.23 OF THE STANDARD SPECIFICATIONS.
- 3) THE REMOVAL OF SHRUBS SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION".

SUMMARY OF QUANTITIES

Specialty Item	Special Provision	Coded Item No	Description	Unit	Quantity	Construction Code
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30	SFTY-1B
*		20101200	TREE ROOT PRUNING	EACH	8	
		20200100	EARTH EXCAVATION	CU YD	251	
		20800150	TRENCH BACKFILL	CU YD	20	
*		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	600	
		28000305	TEMPORARY DITCH CHECKS	FOOT	24	
*		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	40	
*		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	25	
*		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	16	
*		25200100	SODDING	SQ YD	600	
		28000400	PERIMETER EROSION BARRIER	FOOT	120	
		28100105	STONE RIPRAP, CLASS A3	SQ YD	60	
		28200200	FILTER FABRIC	SQ YD	60	
		31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	35	
		31101180	SUB-BASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	850	
		35501287	HOT-MIX ASPHALT BASE COURSE, 2 1/4"	SQ YD	70	
		40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	9	
		42001300	PROTECTIVE COAT	SQ YD	850	
		42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	11	
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7,130	
		42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	515	
		42400800	DETECTABLE WARNINGS	SQ FT	16	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	132	
		44000600	SIDEWALK REMOVAL	SQ FT	125	
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	
		54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	
		54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2	
		542A1057	PIPE CULVERTS, CLASS A, TYPE 2 12"	FOOT	16	
		542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	42	
		542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	24	
		60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	
		60255500	MANHOLES TO BE ADJUSTED	EACH	1	
		67100100	MOBILIZATION	L SUM	1	
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	
*		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	11	
*		A2000120	TREE, ACER X FREEMAN III AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	
*		A2004614	TREE, GLEDITSIA TRIACANTHOS INERMIS PRINCETON (PRINCETON THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	
*		A2008420	TREE, QUERCUS ALBA (WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	
SP		X0322939	RELOCATE EXISTING FLARED END SECTION	EACH	1	

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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-09028

F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	10-00047-00-SW	COOK	10	2
CONTRACT NO. 63493				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	ARA-9003(567)	

FILE NAME	USER NAME	DESIGNED	REVISED
VILLAGE OF LEMONT, ILLINOIS		JLC	JLC 6-10-10
McCARTHY ROAD SIDEWALK		JFP-JEP	JLC 6-17-10
WOODCREST LANE TO WALKER ROAD		THK	
#10131	PLOT SCALE	DATE	REVISED
		4-23-10	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET NO.	OF SHEETS	STA. TO STA.

EARTH EXCAVATION QUANTITIES (CUT / FILL)											
McCARTHY ROAD SIDEWALK-FROM WOODCREST LN. TO WALKER RD.											
SECTION STATIONS X 100	END AREAS, S.F.		DISTANCE	SUM OF END AREAS, S.F.		AVE END AREAS, S.F.		SECTION TOTALS, C.Y.		SECTION STATIONS X 100	
	CUT	FILL		CUT	FILL	CUT	FILL	CUT	FILL		
3.00	3.10	0.00								3.00	
			45	6.9	0	3.45	0	5.75	0.00	3.45	
3.45	3.80	0.00									
			55	6.6	0.1	3.3	0.05	6.72	0.10	4.00	
4.00	2.80	0.10									
			100	4.5	0.6	2.25	0.3	8.33	1.11	5.00	
5.00	1.70	0.50									
			48	5.5	0.5	2.75	0.25	4.89	0.44	5.48	
5.48	3.80	0.00									
			52	6.4	0	3.2	0	6.16	0.00	6.00	
6.00	2.80	0.00									
			28	6.4	0	3.2	0	3.32	0.00	6.28	
6.28	3.80	0.00									
			72	5	0.4	2.5	0.2	6.67	0.53	7.00	
7.00	1.20	0.40									
			22	3.8	0.4	1.9	0.2	1.55	0.16	7.22	
7.22	2.60	0.00									
			24	4.8	0.5	2.4	0.25	2.13	0.22*	7.46	
7.46	2.20	0.50									
			54	4.9	0.5	2.45	0.25	4.90	0.50*	8.00	
8.00	2.70	0.00									
			100	5.5	0	2.75	0	10.19	0.00*	9.00	
9.00	2.80	0.00									
			14	6.6	0	3.3	0	1.71	0.00	9.14	
9.14	3.80	0.00									
			61	7.6	0	3.8	0	8.59	0.00	9.75	
9.75	3.80	0.00									
			25	6.3	0	3.15	0	2.92	0.00	10.00	
10.00	2.50	0.00									
			100	4.7	0.1	2.35	0.05	8.70	0.19	11.00	
11.00	2.20	0.10									
			89	6	0.1	3	0.05	9.89	0.16	11.89	
11.89	3.80	0.00									
			11	6.4	0	3.2	0	1.30	0.00	12.00	
12.00	2.60	0.00									
			65	2.60	17.30	1.3	8.65	3.13	20.82*	12+65	
12.65	0.00	17.30									
			35	0	40.5	0	20.25	0.00	26.25*	13.00	
13.00	0.00	23.20									
			38	0.80	24.80	0.4	12.4	0.56	17.45*	13.38	
13.38	2.90	0.10									
			62	5.00	0.20	2.5	0.1	5.74	0.23*	14.00	
14.00	0.80	1.60									
			8	2.9	1.7	1.45	0.85	0.43	0.25	14+08	
14.08	2.10	0.10									
			92	7.6	0.1	3.8	0.05	12.95	0.17	15.00	
15.00	5.50	0.00									
			56	9.3	0	4.65	0	9.64	0.00	15.56	
15.56	3.80	0.00									
			44	6.2	0.1	3.1	0.05	5.05	0.08	16.00	
16.00	2.40	0.10									
			100	5	0.1	2.5	0.05	9.26	0.19	17.00	
17.00	2.60	0.00									
			69	5	0	2.5	0	6.39	0.00	17.69	
17.69	2.40	0.00									
TOTAL GROSS VOLUMES THIS PAGE								146.87	CY	68.87	CY**
EARTH EXCAVATION OF TOPSOIL REMOVAL IN FILL AREAS								15	CY		
EARTH EXCAVATION FOR DRIVEWAY SUBGRADE								5	CY		
EARTH EXCAVATION FOR TOPSOIL FURNISH & PLACE, 4" AND SODDING ***								84	CY		
TOTAL EARTH EXCAVATION								251	CY		

* NOTE:
DENOTES PLACEMENT OF "SUBBASE GRANULAR MATERIAL, TYPE B" AND/OR
"TRENCH BACKFILL" IN FILL AREAS IN LIEU OF EARTH EXCAVATION FOR EMBANKMENT.

** NET EARTH EXCAVATION TO BE USED AS EMBANKMENT = 2.8 CY
(SEE NOTE ABOVE)

*** ASSUME 5" DEPTH OF EXCAVATION

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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00023

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	10-00047-00-SW	COOK	10	3
CONTRACT NO. 63493				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-9003(667)				

FILE NAME VILLAGE OF LEMONT, ILLINOIS McCARTHY ROAD SIDEWALK WOODCREST LANE TO WALKER ROAD #10131	USER NAME =	DESIGNED -- JLC	REVISED -- JLC 6-10-10
		DRAWN -- JFP--JEP	REVISED -- JLC 6-17-10
	PLOT SCALE =	CHECKED -- THK	REVISED --
	PLOT DATE =	DATE -- 4-23-10	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

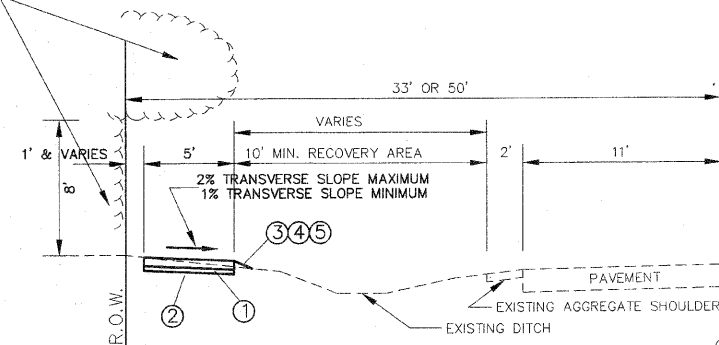
- ① "PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH" OR "PORTLAND CEMENT CONCRETE SIDEWALK, 7 INCH"
- ② "SUBBASE GRANULAR MATERIAL TYPE B, 2 INCH"
- ③ TRANSITION TO EXISTING GROUND LEVEL, 4:1 MAXIMUM SLOPE
- ④ "TOPSOIL FURNISH & PLACE, 4 INCH" (ALL DISTURBED AREAS)*
- ⑤ "SODDING" (ALL DISTURBED AREAS)*

*NOTE: LIMITS OF PAYMENT FOR "FURNISHING & PLACING, TOPSOIL 4" AND "SODDING" SHALL BE LIMITED TO THAT AREA NECESSARY TO BE DISTURBED FOR THE CONTRACT WORK.

NOTE: MINIMUM TRANSVERSE SLOPE FOR SIDEWALK SHALL BE 1%.
 MAXIMUM TRANSVERSE SLOPE FOR SIDEWALK SHALL BE 2%.
 MAXIMUM LONGITUDINAL SLOPE FOR SIDEWALK SHALL BE 5%.

NOTE:
 PROVIDE 12" MINIMUM CLEARANCE BETWEEN EDGE OF SIDEWALK AND EDGE OF UTILITY POLES.

LIMITS OF TREE AND BUSH TRIMMING
 (TO BE INCLUDED IN COST OF P.C.
 CONCRETE SIDEWALK, 5')

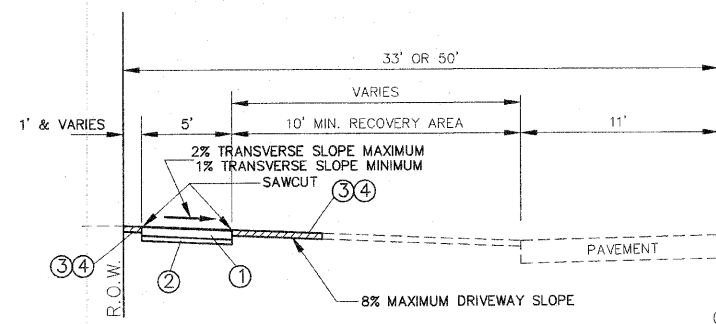


TYPICAL SECTION

EXISTING AND PROPOSED TYPICAL SIDEWALK SECTION IN GRASS AREAS

NOT TO SCALE

- ① "PORTLAND CEMENT CONCRETE SIDEWALK, 7 INCH"
- ② "SUBBASE GRANULAR MATERIAL TYPE B, 2 INCH"
- ③ "DRIVEWAY PAVEMENT REMOVAL", AS DIRECTED
- ④ PROVIDE "HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2 INCH" AND "HOT-MIX ASPHALT BASE COURSE, 2-1/4 INCH" MINIMUM, FOR DRIVEWAY SLOPE TRANSITION, AS DIRECTED BY THE ENGINEER TO ACCOMPLISH 8% MAXIMUM DRIVEWAY SLOPE.
- ⑤ "PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH"



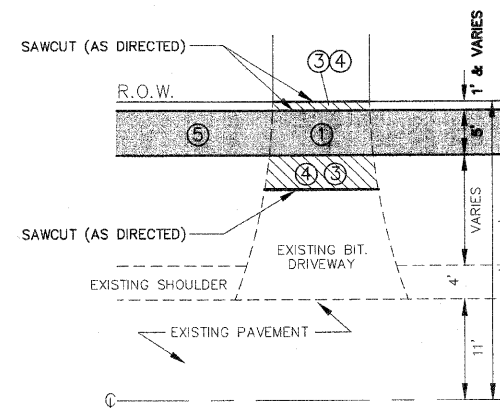
SECTION

TYPICAL DRIVEWAY DETAIL
 AT HOT-MIX DRIVEWAYS

EXISTING AND PROPOSED TYPICAL SIDEWALK SECTION IN DRIVEWAY AREAS

NOT TO SCALE

(LOOKING SOUTHEAST)



PLAN

BENCHMARKS

ELEVATION	LOCATION
744.44	R.R. SPIKE IN EAST SIDE OF POWER POLE AT THE S.W. CORNER OF SECOND STREET & McCARTHY ROAD
727.08	CENTERLINE OF PAVEMENT OF McCARTHY ROAD AT STA. 13+40 ABOVE BOX CULVERT.

VERTICAL DATUM IS NGVD 29

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	PERCENT AIR VOIDS
DRIVEWAYS	
SURFACE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, (IL-9.5 mm), 2"	4% @ 50 GYR
BASE COURSE	
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0mm), 2 1/4" MIN.	4% @ 50 GYR

THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

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

"FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS"

Frank Novotny & Associates, Inc.
 Civil Engineers
 825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 154-00028

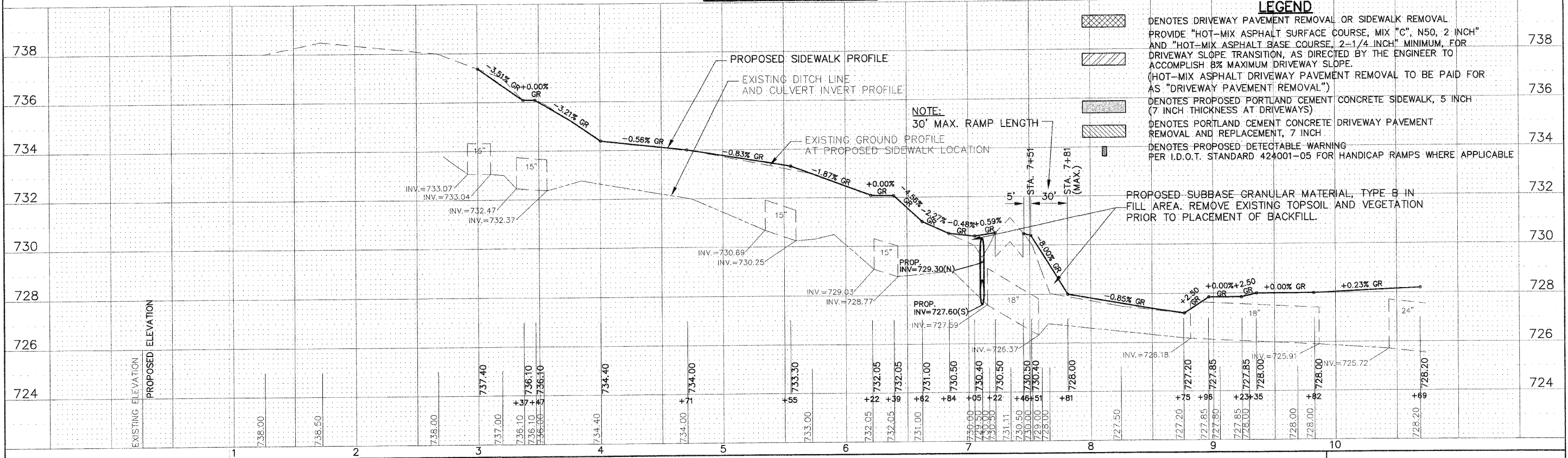
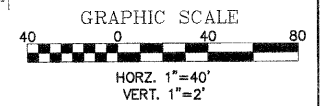
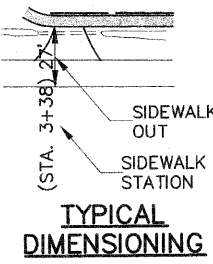
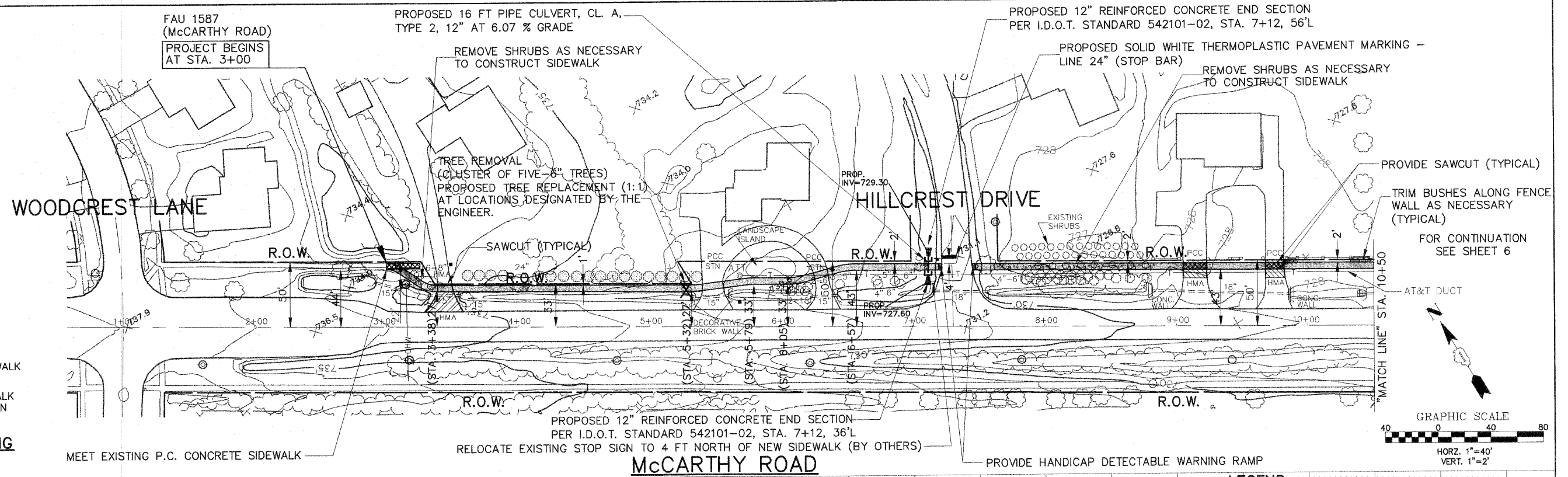
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		DRAWN -- JFP-JEP	REVISED -- JLC 6-17-10
	PLOT SCALE =	CHECKED -- THK	REVISED --
	PLOT DATE =	DATE -- 4-23-10	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SIDEWALK SECTIONS, HOT-MIX ASPHALT MIXTURE REQUIREMENTS, BENCHMARKS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	10-00047-00-SW	COOK	10	4
CONTRACT NO. 63493				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-9003(667)				



IMPORTANT!
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES.
 REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME	USER NAME	DESIGNED	REVISED
VILLAGE OF LEMONT, ILLINOIS McCARTHY ROAD SIDEWALK WOODCREST LANE TO WALKER ROAD		JLC	JLC 6-10-10
		JFP-JEP	JLC 6-17-10
		THK	
		DATE	REVISED
		4-23-10	

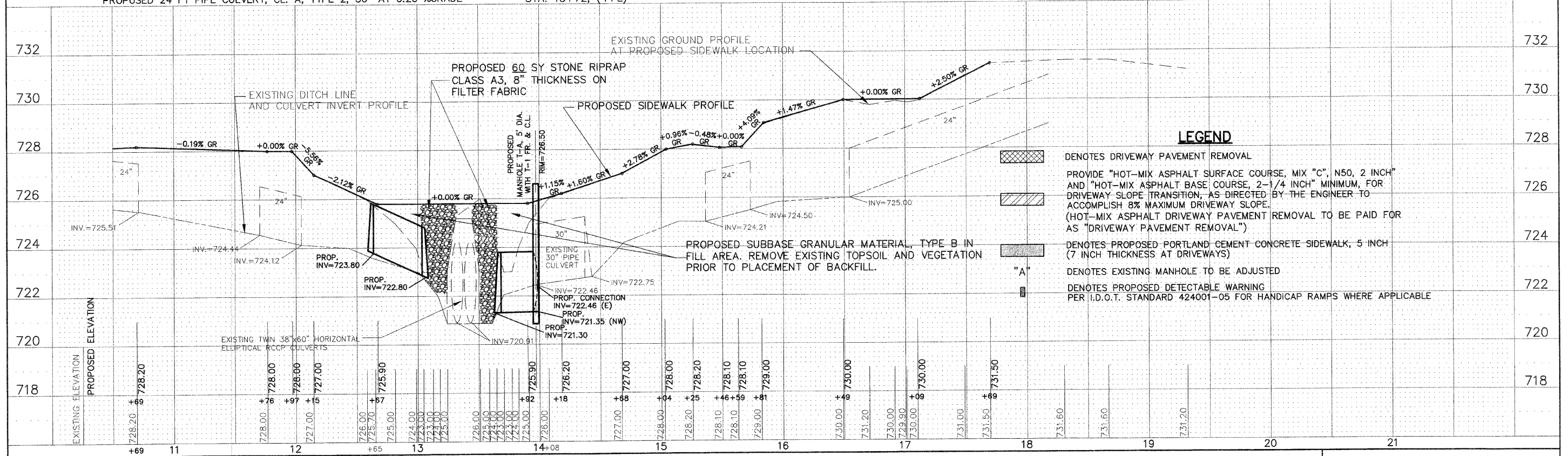
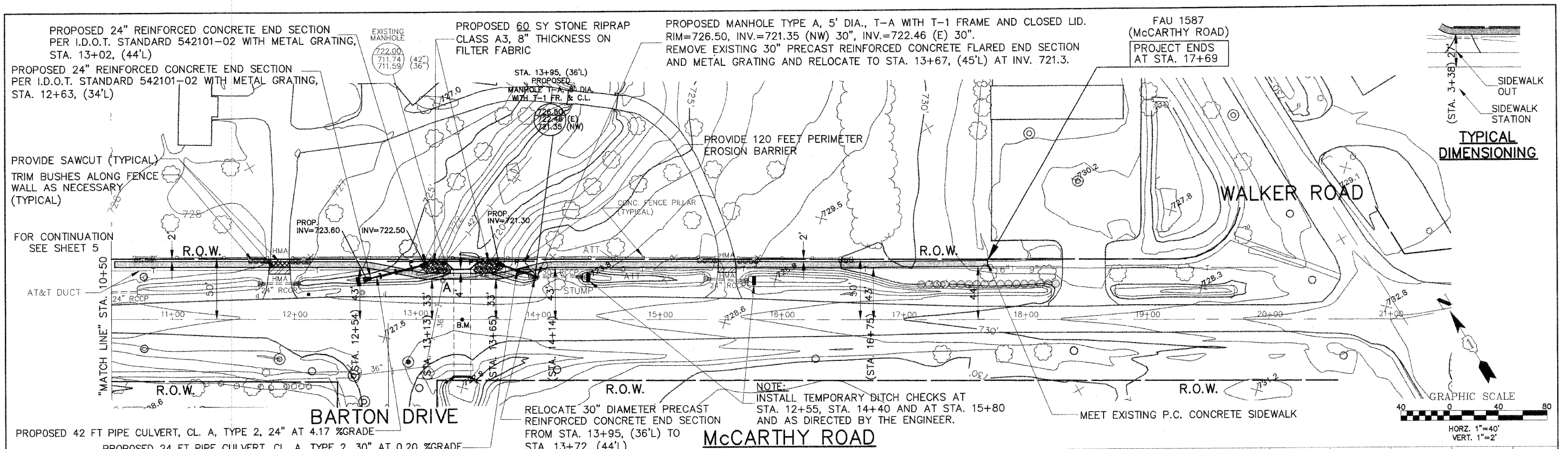
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN: McCARTHY ROAD-
 WOODCREST LANE TO STA. 10+50
 (SIDEWALK)**

SCALE: 1"=40' SHEET NO. OF SHEETS STA. TO STA.

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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	10-00047-00-SW	COOK	10	5
CONTRACT NO. 63493				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	ARA-9003(667)	



LEGEND

- DENOTES DRIVEWAY PAVEMENT REMOVAL
- PROVIDE "HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2 INCH" AND "HOT-MIX ASPHALT BASE COURSE, 2-1/4 INCH" MINIMUM, FOR DRIVEWAY SLOPE TRANSITION, AS DIRECTED BY THE ENGINEER TO ACCOMPLISH 8% MAXIMUM DRIVEWAY SLOPE. (HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL TO BE PAID FOR AS "DRIVEWAY PAVEMENT REMOVAL")
- DENOTES PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (7 INCH THICKNESS AT DRIVEWAYS)
- DENOTES EXISTING MANHOLE TO BE ADJUSTED
- DENOTES PROPOSED DETECTABLE WARNING PER I.D.O.T. STANDARD 424001-05 FOR HANDICAP RAMPS WHERE APPLICABLE

IMPORTANT!
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES.
 REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

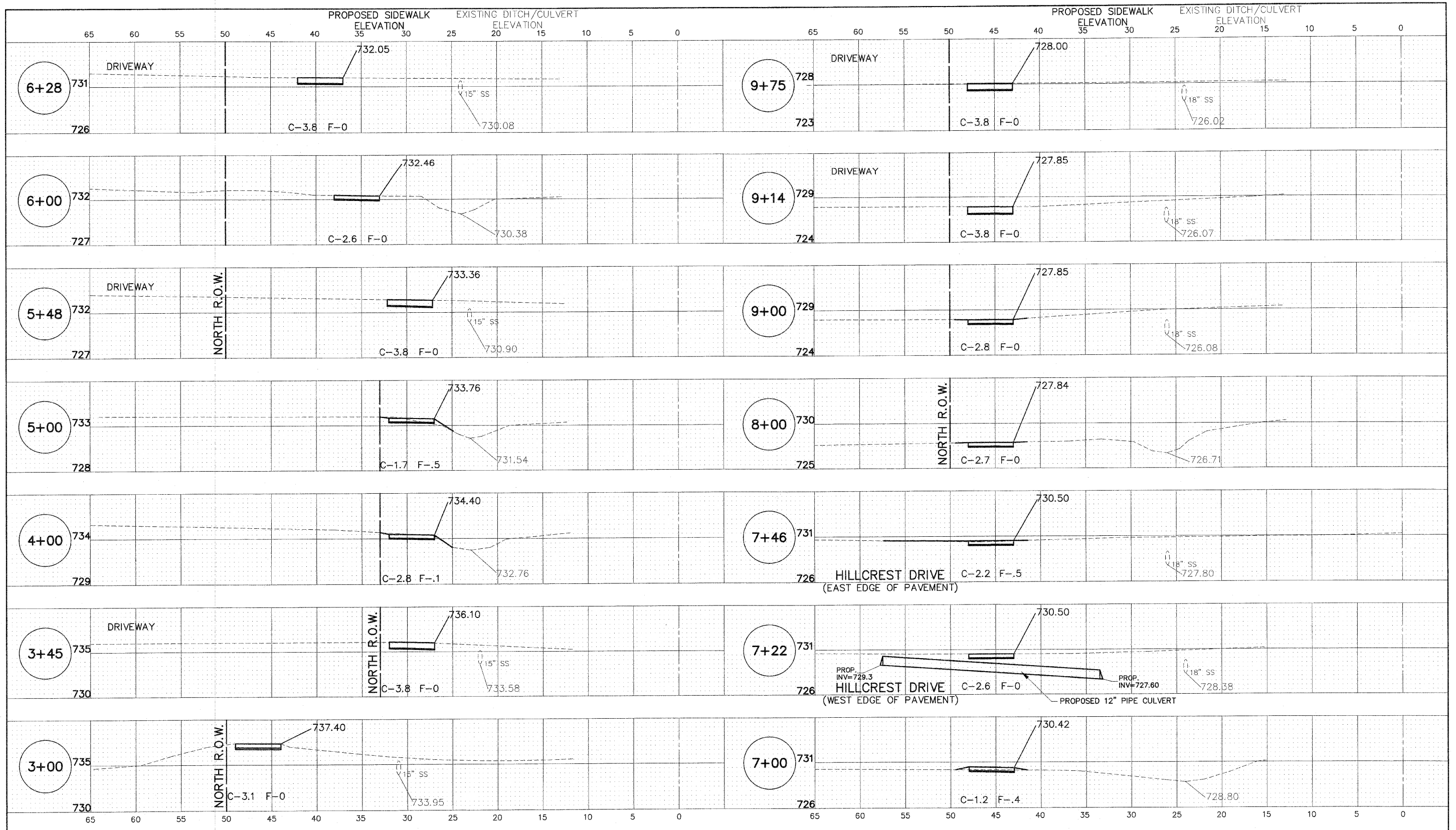
FILE NAME VILLAGE OF LEMONT, ILLINOIS MCCARTHY ROAD SIDEWALK WOODCREST LANE TO WALKER ROAD	DESIGNED - JLC DRAWN - JFP-JEP CHECKED - THK DATE - 4-23-10	REVISED - JLC 6-10-10 REVISED - JLC 6-17-10 REVISED - REVISED -
USER NAME = PLOT SCALE = PLOT DATE =		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN: MCCARTHY ROAD-
 STA. 10+50 TO WALKER ROAD
 (SIDEWALK)**

SCALE: 1"=40' SHEET NO. OF SHEETS STA. TO STA.

Frank Novotny & Associates, Inc. Civil Engineers 205 Midway Drive • Wilmette, IL • 60091 • Telephone: (800) 887-8640 • Fax: (800) 887-0132 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00028		F.A.U. RTE. 1587	SECTION 10-00047-00-SW	COUNTY COOK	TOTAL SHEETS 10	SHEET NO. 6
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 63493 ARA-9003(667)		



IMPORTANT!

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES.
REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME VILLAGE OF LEMONT, ILLINOIS McCARTHY ROAD SIDEWALK WOODCREST LANE TO WALKER ROAD #10131	USER NAME =	DESIGNED - JLC	REVISED - JLC 6-10-10
		DRAWN - JFP-JEP	REVISED -
	PLOT SCALE = 1" = 5'	CHECKED - THK	REVISED -
	PLOT DATE =	DATE - 4-23-10	REVISED -

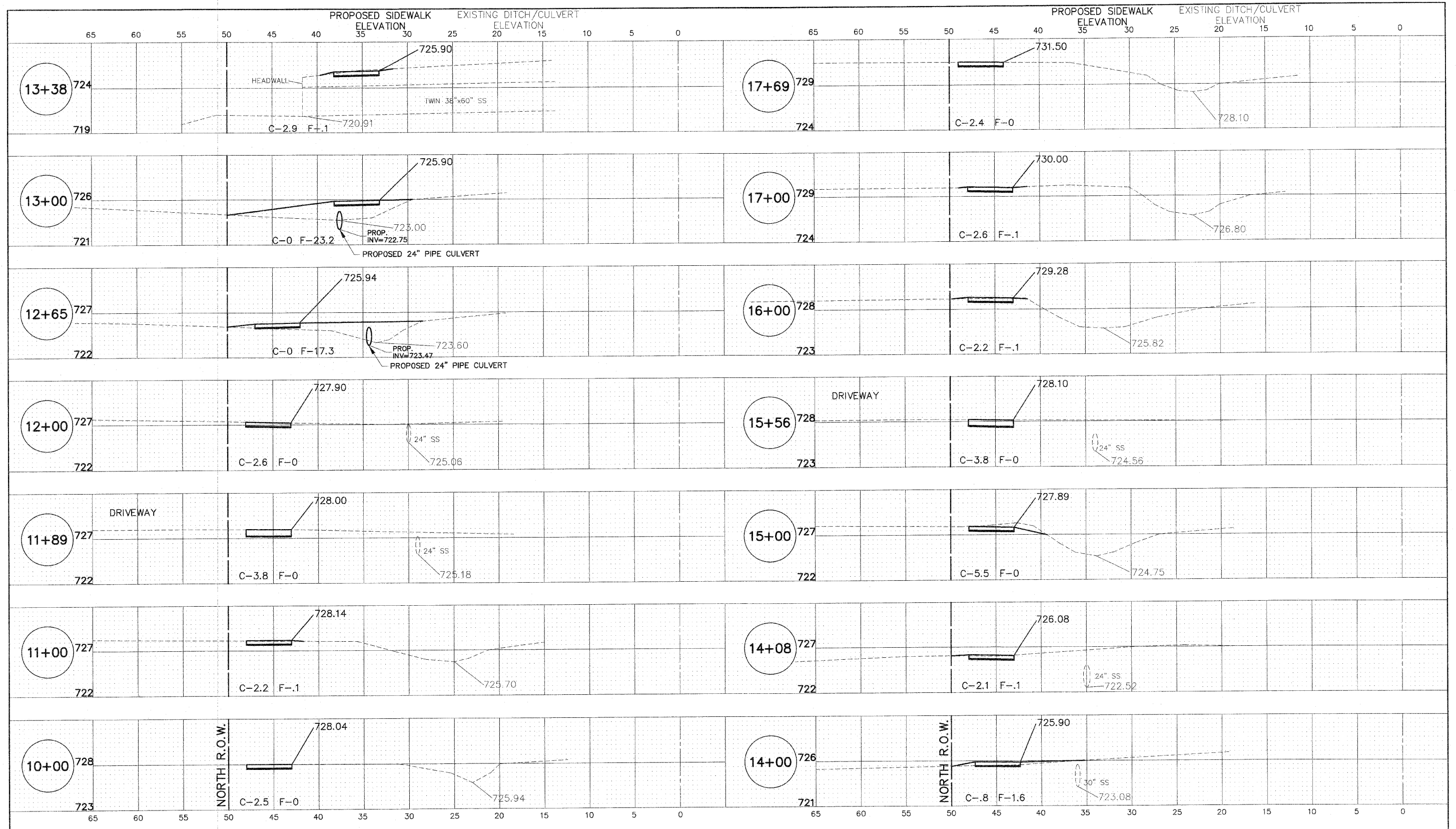
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN: McCARTHY ROAD-
WOODCREST LANE TO STA. 10+50
(SIDEWALK)**

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

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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000628

F.A.U. NO. 1587	SECTION 10-00047-00-SW	COUNTY COOK	TOTAL SHEETS 10	SHEET NO. 7
CONTRACT NO. 63493				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ARA-9003(687)				



IMPORTANT!

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES.
 REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

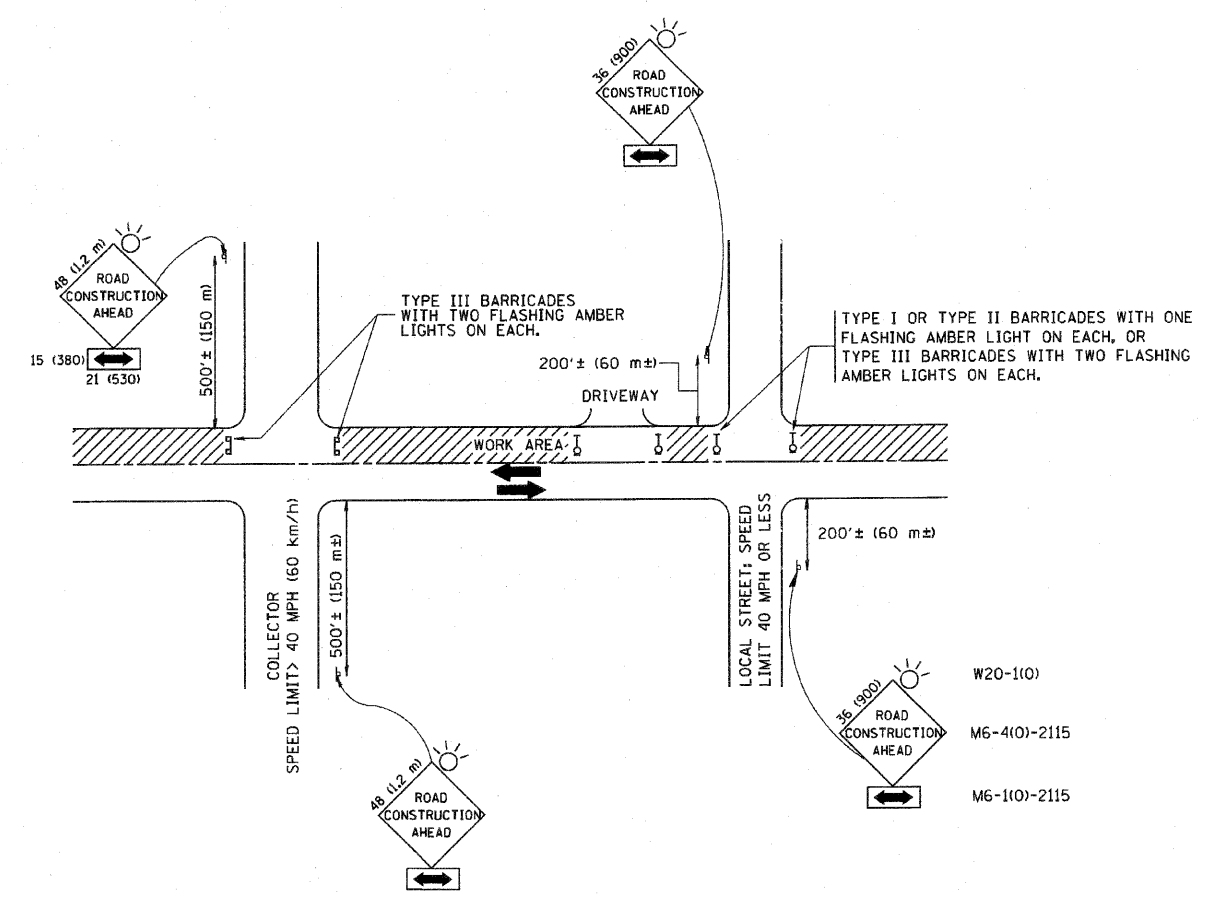
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	PLOT SCALE = 1"=5'	DRAWN - JFP-JEP	REVISED -
	PLOT DATE =	CHECKED - THK	REVISED -
		DATE - 4-23-10	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN: **McCARTHY ROAD-
 STA. 10+50 TO WALKER ROAD**
 SCALE: SHEET NO. OF SHEETS STA. TO STA.
(SIDEWALK)

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F.A.U. P.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	10-00047-00-SW	COOK	10	8
CONTRACT NO. 63493				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	ARA-9003(667)		



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

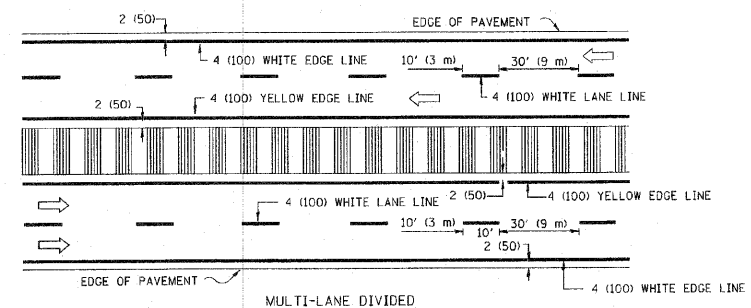
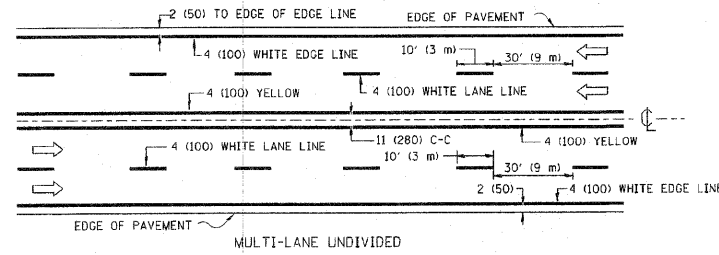
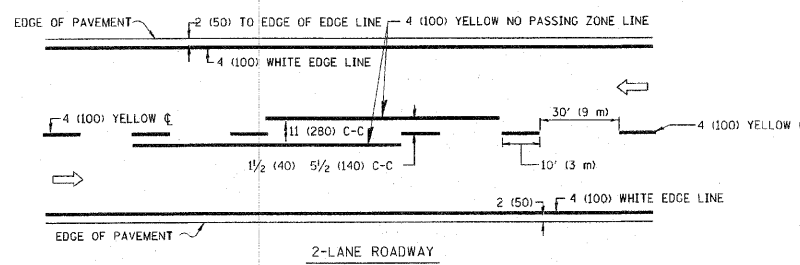
NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

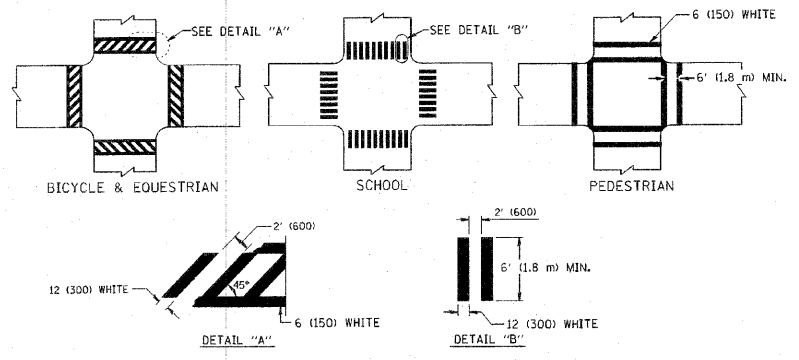
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - A. HOUSEH 03-06-96		1587	10-00047-00-SW	COOK	10	9			
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - A. HOUSEH 10-15-96		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			TC-10		CONTRACT NO. 63493		
	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00					FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT ARA-9003(667)					

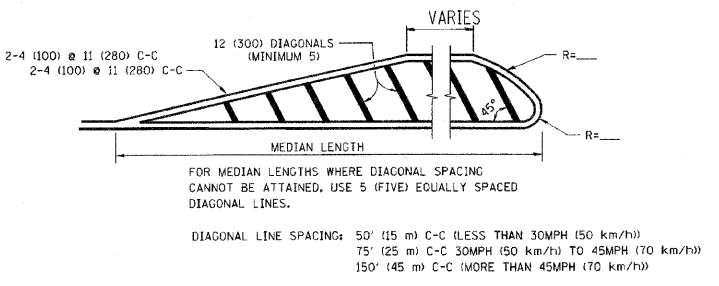
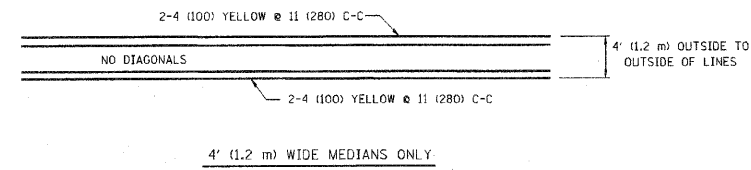


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

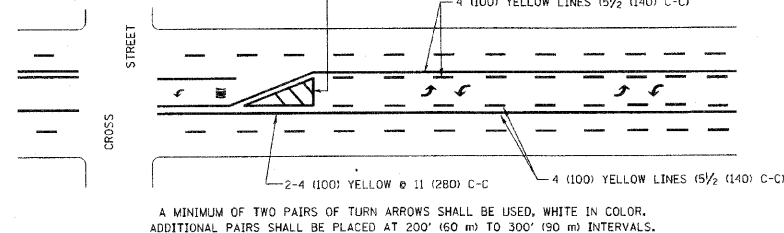
TYPICAL LANE AND EDGE LINE MARKING



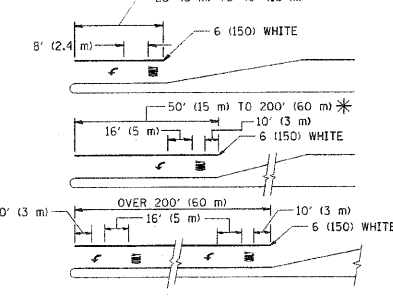
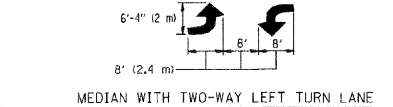
TYPICAL CROSSWALK MARKING



MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING

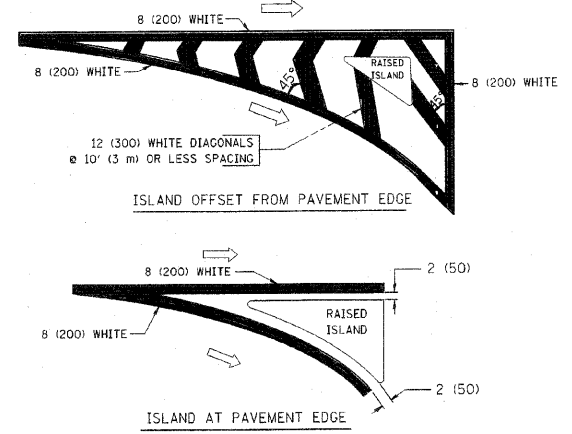


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ; AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES; FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

	LARGE SIZE	SMALL SIZE
THROUGH ARROW	1.07 (11.5)	0.60 (6.5)
LEFT OR RIGHT ARROW	1.47 (15.6)	0.60 (6.5)
COMBINATION LEFT (RIGHT) AND THROUGH ARROW	2.42 (26.0)	1.37 (14.7)
RAILROAD "R" 1.8m (6ft.)	0.33 (3.6)	---
RAILROAD "X" 6.1m (20ft.)	5.02(54.0)	---
HANDICAPPED SYMBOL	0.43 (4.6)	---

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED -T, RAMMACHER 10-27-94
c:\pwworkspace\drivakosgn\d01083151\3.dgn		DRAWN -	REVISED -C, JUCIUS, 09-09-09
	PLOT SCALE = 5/8"=1' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		1587	10-00047-00-SW	COOK	10	10
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	
		TC-13		CONTRACT NO. 63493		
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(667)				