

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**

FAU 2757 (ROBERTS ROAD) - 83RD ST TO ARCHER AVE
 FAU 1537 (71ST STREET) - ROBERTS RD TO RR TRACKS
 FAU 1548 (79TH STREET) - ROBERTS RD TO HARLEM AVE
 FAU 1558 (87TH STREET) - 78TH AVE TO 78TH CT

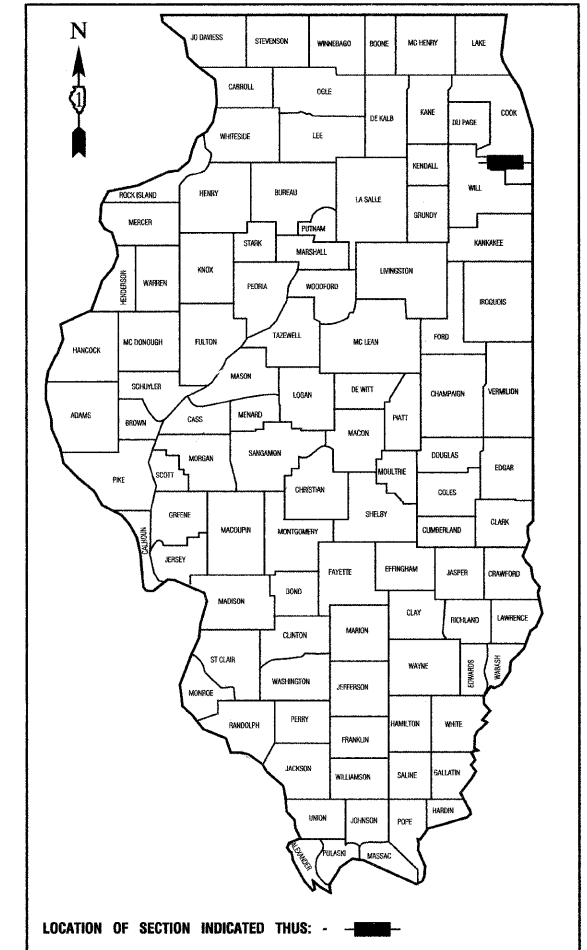
SIDEWALK IMPROVEMENTS
 SECTION NO.: 09-00060-00-SW
 PROJECT NO.: M-9003(325)
 JOB NO. C-91-634-09
 VILLAGE of BRIDGEVIEW

F.A. U. REC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2757/1537	09-00060-00-SW	COOK	35	1
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-	9003(325)	

CONTRACT #63228

INDEX OF SHEETS
 SEE SHEET NO. 2

HIGHWAY STANDARDS
 SEE SHEET NO. 2

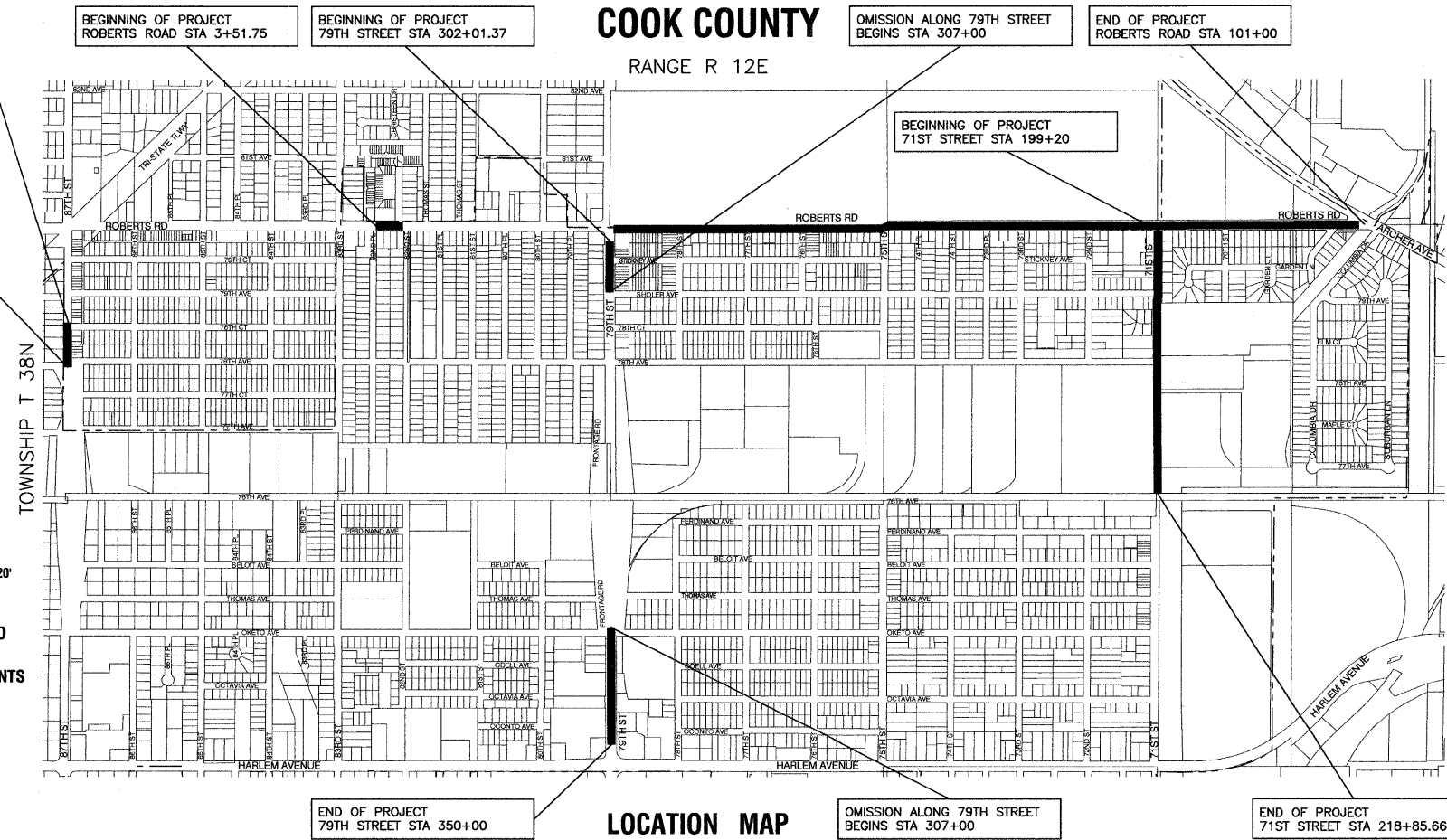


STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

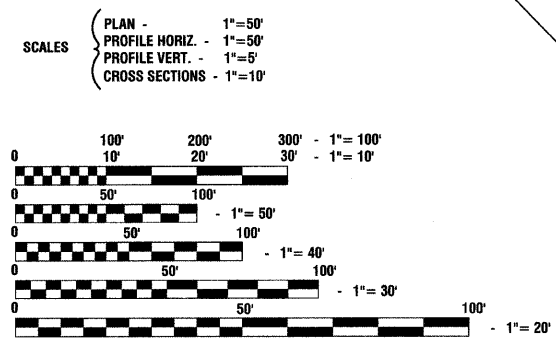
Approved: *[Signature]*
 Passed: *August 31, 2009*
[Signature]
 Released for Bid Based on Limited Review: *SEPTEMBER 1, 2009*
[Signature]

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 THE STATE OF ILLINOIS

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 8/26/09
 LICENSE EXPIRES: 11/30/09



LOCATION MAP
 GROSS LENGTH=16,808.30 FEET=3.18 MILES
 NET LENGTH=15,209.67 FEET=2.88 MILES



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

CONTRACT NO. 63228

I.D.O.T. FEDERAL AID DESIGN ENGINEER: MELCHOR MANGOBA (847) 705-4408
 CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

INDEX OF SHEETS

- 1. COVER SHEET
- 2. INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
- 3. SUMMARY OF QUANTITIES & GENERAL NOTES
- 4. TYPICAL CROSS SECTIONS
- 5.-11. PLAN SHEETS
- 12.-15. DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
- 16.-19. TRAFFIC SIGNALS
- 20.-24. DETAILS
- 25.-35. CROSS SECTIONS

GENERAL NOTES

THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007 BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, SHALL GOVERN THIS WORK.

BEFORE ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

10 FOOT TRANSITIONS SHALL BE USED TO MATCH THE PROPOSED CURB AND GUTTER AND MEDIANS TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF BRIDGEVIEW.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE VILLAGE.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIAL

THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.

THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.

ALL ELECTRICAL CABLE SHALL HAVE A POLYVINYL CHLORIDE JACKET.

THE TYPE OF LED MODULES THAT ARE TO BE INSTALLED AT THIS INTERSECTION MUST BE OF THE "GELCORE" BRAND TO MATCH THE EXISTING LED MODULES ALREADY IN USE

11 AUTUMN MAPLE TREES HAVE BEEN PROVIDED IN THE CONTRACT AND THE EXACT LOCATION OF THESE TREES WILL BE DETERMINED IN THE FIELD THROUGH COORDINATION WITH THE VILLAGE OF BRIDGEVIEW AND THE RESIDENT ENGINEER.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT 1-847-705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

STATE STANDARDS

- 420001-07 PAVEMENT JOINTS
- 424001-05 CURB RAMPS FOR SIDEWALK
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701701-06 URBAN LANE CLOSURE, MULTILANE, INTERSECTION
- 701801-04 LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-02 SIGN PANEL ERECTION DETAILS

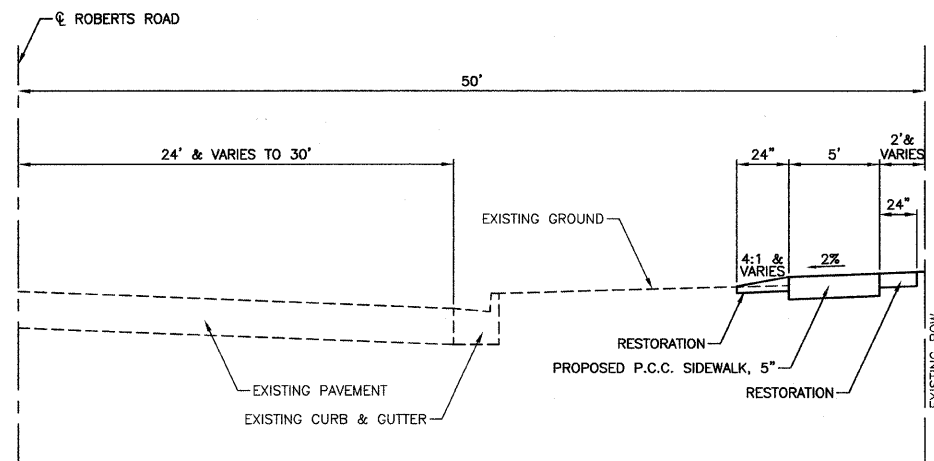
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	PLOT SCALE =	DRAWN -- PS	REVISED --			CONTRACT NO. 63228				
	PLOT DATE = 08-20-09	CHECKED -- AG	REVISED --			SCALE: SHEET NO. 2 OF 35 SHEETS STA. TO STA.				
						FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(325)		

SUMMARY OF QUANTITIES				SIDEWALKS	SIGNALS	
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION	TYPE CODE
					SFTY-1B	YO31-F
	20100110	TREE REMOVAL (6 TO 15 UNIT DIAMETER)	UNITS	95	95	
	20100210	TREE REMOVAL (OVER 15 UNIT DIAMETER)	UNITS	94	94	
*	20101300	TREE PRUNNING (1 TO 10 INCH DIAMETER)	EACH	10	10	
*	20101350	TREE PRUNNING (OVER 10 INCH DIAMETER)	EACH	6	6	
	31101200	SUB-BASE GRANULAR MATERIAL, TYPE B, 4 INCH	SQ YD	8554	8554	
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	486	486	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	42602	42602	
	42400410	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	SQ FT	6710	6710	
	42400800	DETECTABLE WARNING	SQ FT	344	344	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2909	2909	
	44000300	CURB REMOVAL	FOOT	151	151	
	44000600	SIDEWALK REMOVAL	SQ FT	1815	1815	
	44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	724	724	
	542D0211	PIPE CULVERT, CLASS D, TYPE 1, 6 INCH	FOOT	12	12	
*	56400500	FIRE HYDRANT TO BE REMOVED	EACH	6	6	
*	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	6	6	
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	1	1	
	60255500	MANHOLES TO BE ADJUSTED	EACH	7	7	
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1	
	60600605	CONCRETE CURB, TYPE B	FOOT	112	112	
	63200310	GUARDRAIL REMOVAL	FOOT	7.5	7.5	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	MONTH	6	6	
	67100100	MOBILIZATION	L SUM	1	1	
	70102635	TRAFFIC CONTROL AND PROTECTION STANDARD 701701	L SUM	1	1	
	70102640	TRAFFIC CONTROL AND PROTECTION STANDARD 701801	L SUM	1	1	
	72000100	SIGN PANEL, TYPE 1	SQ FT	9	9	
	72400500	REMOVE SIGN PANEL ASSEMBLY, TYPE A	EACH	1	1	
	73000100	WOOD SIGN SUPPORT	FOOT	14	14	
*	78000400	THERMOPLASTIC PAVEMENT MARKING LINE 6 INCH	FOOT	1436	1436	
*	78000600	THERMOPLASTIC PAVEMENT MARKING LINE 12 INCH	FOOT	1174	1174	
*	81400115	HANDHOLE TO BE ADJUSTED	EACH	3	3	
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2
*	85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	599		599
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	652		652
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4		4
*	88102748	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1		1
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	4		4
*	88600100	DETECTOR LOOP, TYPE I	FOOT	103		103
*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	5		5
*	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1		1
*	89502200	MODIFY EXISTING CONTROLLER	EACH	1		1
*	X0912300	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	LSUM	1		1
*	A2000118	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	11	11	
*	X0322256	TEMPORARY INFORMATION SIGHNING	SQ FT	206	206	
*	X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1		1
*	X8780110	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1		1
	Z0022800	FENCE REMOVAL	FOOT	18	18	
△	Z0076600	TRAINEES	hour	500	500	
*	XX006425	RESTORATION	SQ YD	2609	2609	
	XX008198	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 11 3/4 INCH	SQ YD	2887	2887	
	XX007278	PARKWAY RESTORATION	SQ YD	476	476	
	X0326472	HOT-MIX ASPHALT REMOVAL	SQ YD	114	114	
	XX008199	HOT-MIX ASPHALT PARKWAY, 5 INCH	SQ YD	97	97	
*	K0026840	SHRUBS TO BE RELOCATED	EACH	6	6	

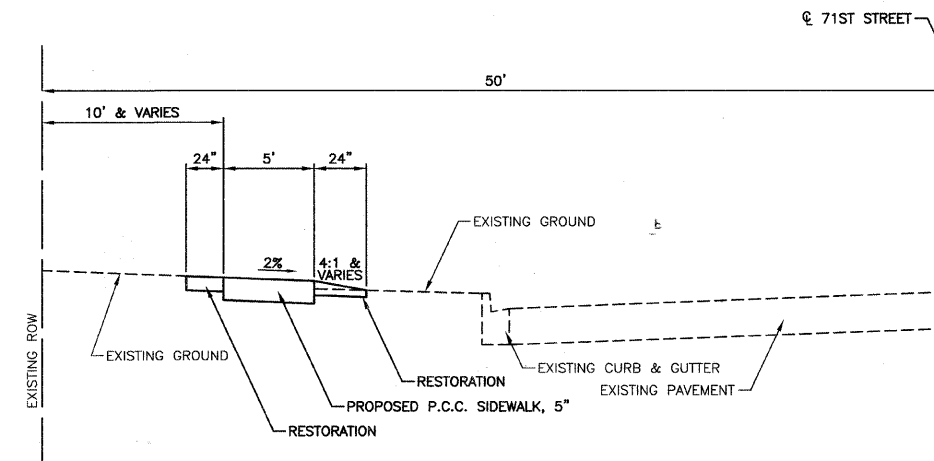
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* - INDICATES SPECIALTY ITEMS

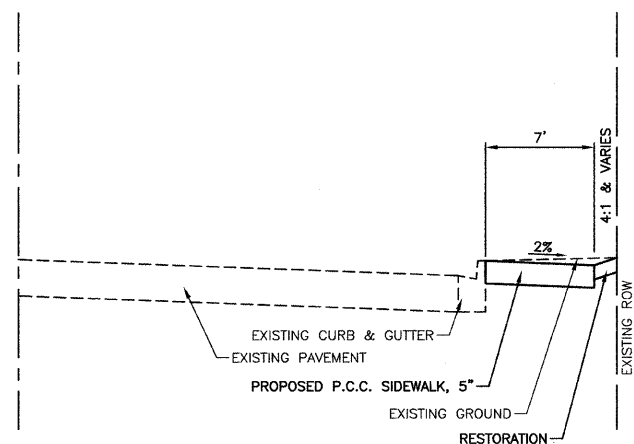
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	PLOT SCALE =	CHECKED -- RJW	REVISED --		SCALE:	SHEET NO. 3	OF 35 SHEETS	STA.	TO STA.	CONTRACT NO. 63228		
	PLOT DATE = 08-20-09	DRAWN -- PS	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)							
		CHECKED -- AG	REVISED --									



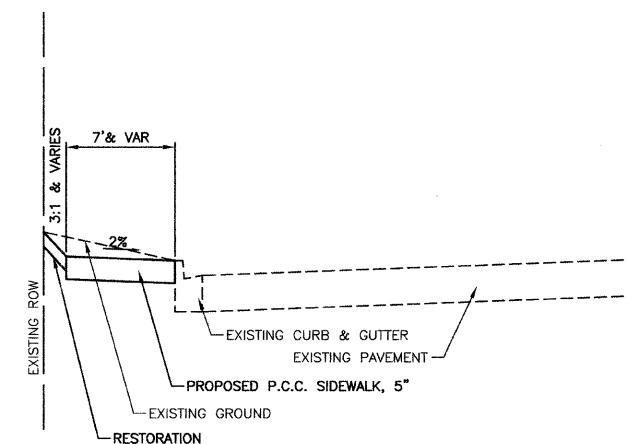
**TYPICAL CROSS SECTION
ROBERTS ROAD**
83RD STREET TO ARCHER AVENUE



**TYPICAL CROSS SECTION
71ST STREET**
STA 199+70 TO STA 206+54.33



**TYPICAL CROSS SECTION
79TH STREET**
STA 307+01.37 TO STA 307+00
STA 343+98.65 TO STA 350+00

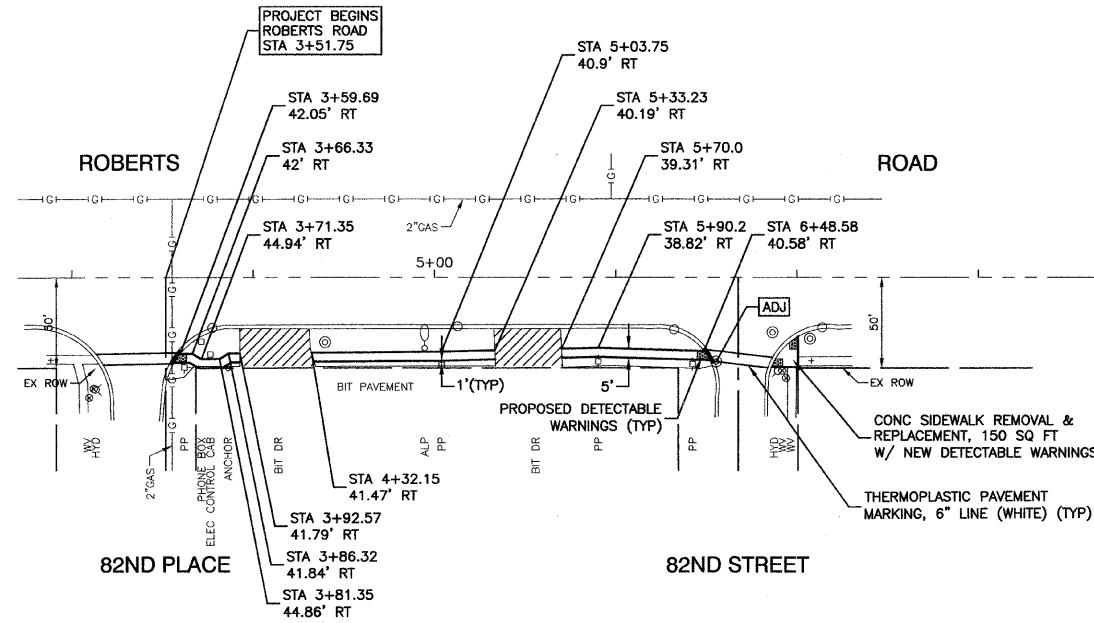
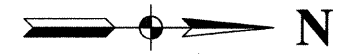


**TYPICAL CROSS SECTION
71ST STREET**
STA 206+54.33 TO STA 218+85.66
AND
79TH STREET
STA 339+63 TO STA 343+02
AND
87TH STREET
STA 409+00 TO STA 412+45.76

PROJECT BITUMINOUS MIXTURE REQUIREMENT CHART

MIXTURE TYPE / USAGE	AC TYPE	VOIDS
HOT-MIX ASPHALT DRIVEWAY PAVEMENT; 11 3/4"	PG 64-22*	4% @ 50 Gyr.
HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50, (2 1/4")		
HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50(IL-9.5mm) (1 1/2")	PG 64-22	4% @ 50 Gyr.
HOT-MIX ASPHALT PARKWAY	PG 64-22	4% @ 50 Gyr.
HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50(IL-9.5mm), (5")		
PAVEMENT RESTORATION FOR CURB & GUTTER REMOVAL AND REPLACEMENT	PG 64-22*	4% @ 70 Gyr.
CLASS D PATCHING (HMA BINDER IL-19mm), (9")		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



LEGEND

- TREE TO BE REMOVED
- CONC CURB AND GUTTER REMOVAL & REPLACE (10' TYPICAL PER LOCATION UNLESS OTHERWISE NOTED)
- PROPOSED DRIVEWAY PAVEMENT REMOVAL & REPLACE W/ PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8" OR HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 11 3/4" (SEE "HMA DRIVEWAY DETAIL")
- DETECTABLE WARNINGS (8 SQ FT EACH LOCATION)
- MANHOLES TO BE ADJUSTED
- FIRE HYDRANT TO BE REMOVED AND RELOCATED
- VALVE VAULTS TO BE ADJUSTED
- HANDHOLE TO BE ADJUSTED
- CATCH BASIN TO BE ADJUSTED

EROSION CONTROL NOTES

ANY AREA WHERE THERE IS NO PROPOSED GRADING OR WORK, THE EXISTING GROUND COVER SHALL REMAIN.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION CONTROL PLAN BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.

DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH THE USE OF EROSION CONTROL BLANKET OR OTHER APPROVED MEASURE WILL BE INSTALLED WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 DAYS.

THE EROSION CONTROL BLANKET REQUIRED IS CONSIDERED INCIDENTAL TO THE PAY ITEM "RESTORATION."

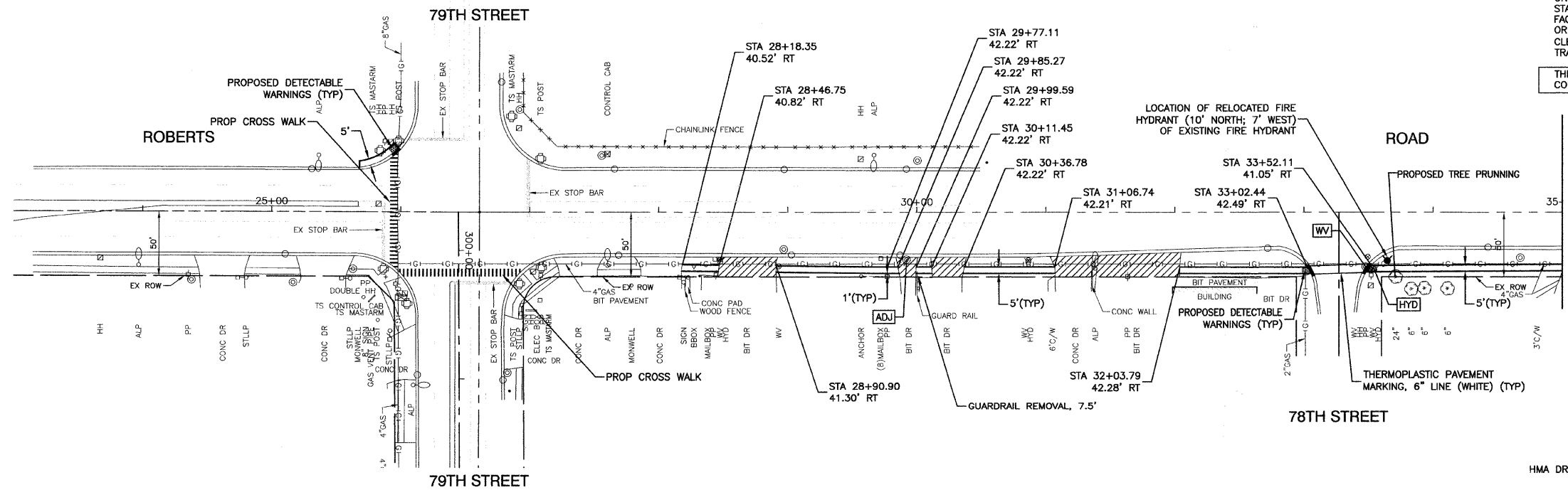
THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES. THIS PERSON IS TO HAVE THE AUTHORITY TO CARRY OUT THE PLAN GIVEN BY THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY 7 DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 1/2".

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURE EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

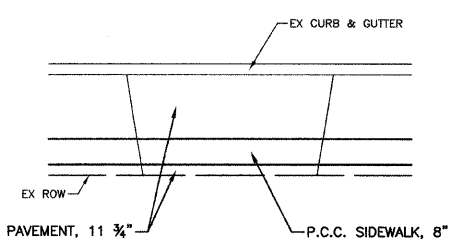
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING THE DUST AND AIRBORNE DIRT GENERATED BY HIS/HER CONSTRUCTION ACTIVITIES. THIS WORK WILL BE DONE ACCORDING TO SECTION 107.36 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR MUST TAKE MEASURES TO MINIMIZE SOIL TRACKED ONTO PUBLIC, AND PRIVATE ROADS, INCLUDING THE USE OF STABILIZED CONSTRUCTION ENTRANCES AND VEHICLE WASHDOWN FACILITIES WHERE APPROPRIATE. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY SHOVELING OR STREET CLEANING (NOT FLUSHING) BEFORE THE END OF THE WORK DAY AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

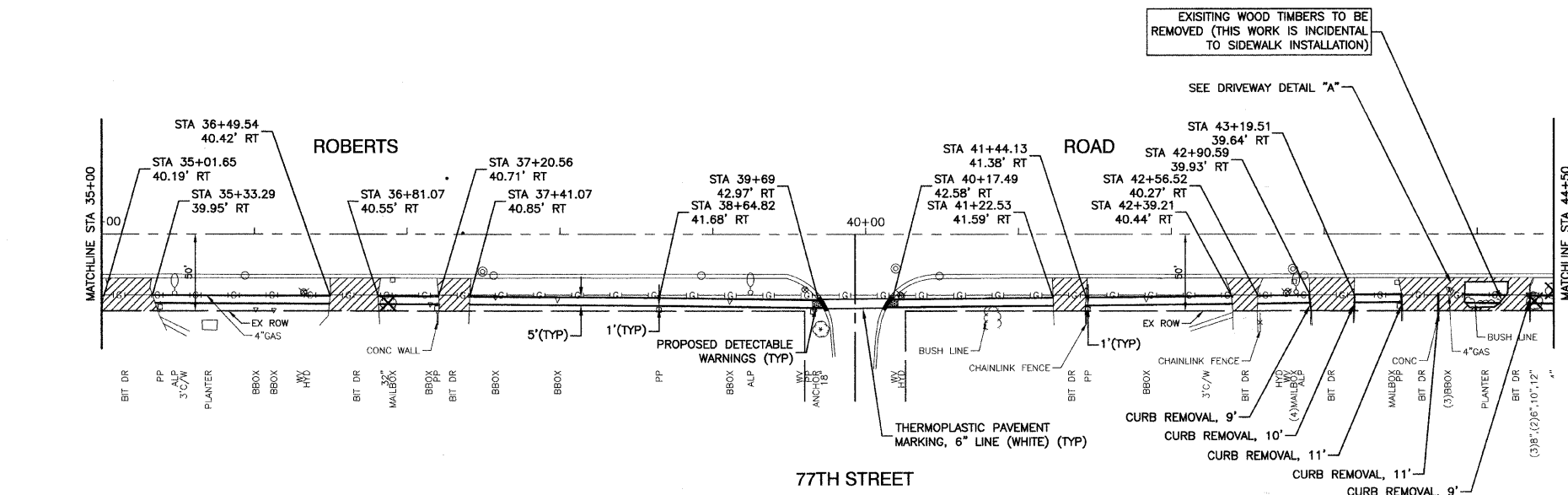


NOTE:
ALL SIDEWALK WILL HAVE A MINIMUM THICKNESS OF 5" UNLESS WHEN CROSSING A DRIVEWAY THEN MINIMUM THICKNESS SHALL BE 8"



TYPICAL DETAIL FOR HMA DRIVEWAY

FILE NAME = 09291-PLAN-01 - IDOT P01	USER NAME =	DESIGNED = RJW	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK IMPROVEMENTS ROBERTS ROAD - 83RD STREET TO ARCHER AVENUE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED = RJW	REVISED =			2757/1537	09-00060-00-SW	COOK	35	5	
PLOT DATE = 08-20-09	DRAWN = PS	CHECKED = AG	REVISED =	SCALE: 1"=50'	SHEET NO. 5 OF 35 SHEETS	STA. TO STA.	CONTRACT NO. 63228				
						FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-9003(325)		



EROSION CONTROL NOTES

ANY AREA WHERE THERE IS NO PROPOSED GRADING OR WORK, THE EXISTING GROUND COVER SHALL REMAIN.

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DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH THE USE OF EROSION CONTROL BLANKET OR OTHER APPROVED MEASURE WILL BE INSTALLED WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 DAYS.

THE EROSION CONTROL BLANKET REQUIRED IS CONSIDERED INCIDENTAL TO THE PAY ITEM "RESTORATION."

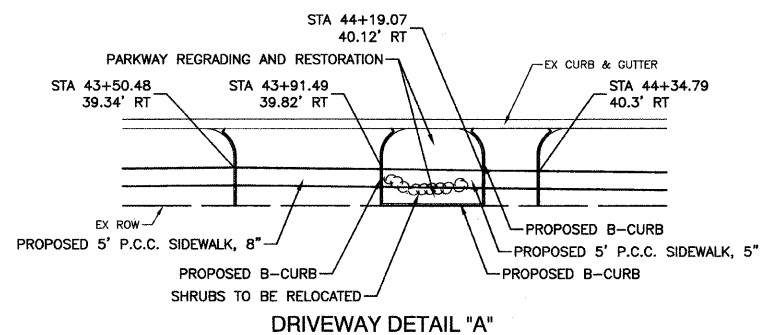
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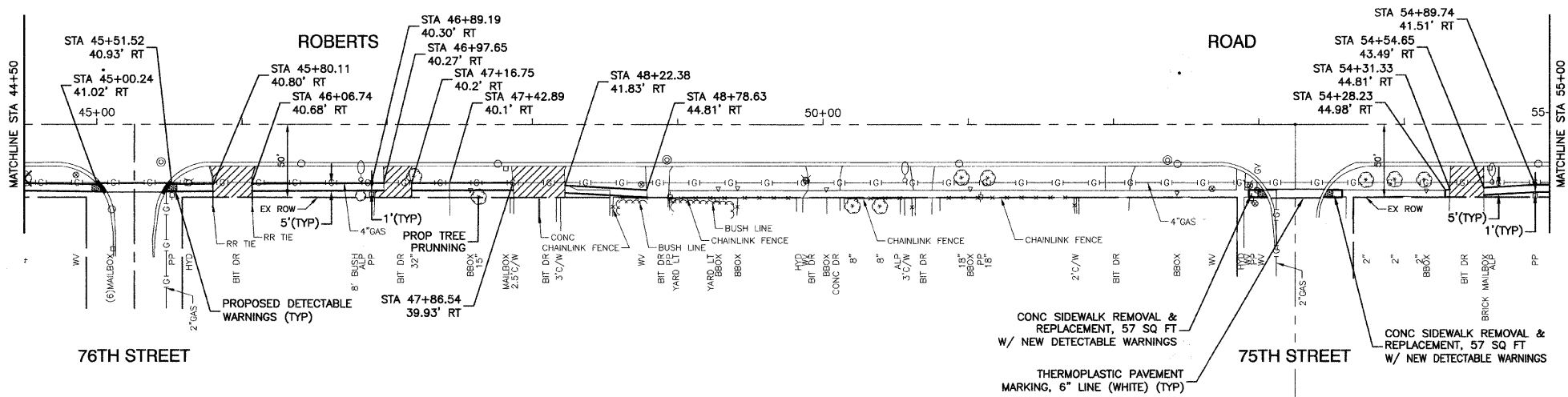
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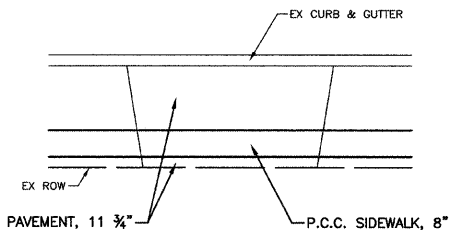


LEGEND

- TREE TO BE REMOVED
- CONC CURB AND GUTTER REMOVAL & REPLACE (10' TYPICAL PER LOCATION UNLESS OTHERWISE NOTED)
- PROPOSED DRIVEWAY PAVEMENT REMOVAL & REPLACE W/ PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8" OR HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 11 3/4" (SEE "HMA DRIVEWAY DETAIL")
- DETECTABLE WARNINGS (8 SQ FT EACH LOCATION)
- MANHOLES TO BE ADJUSTED
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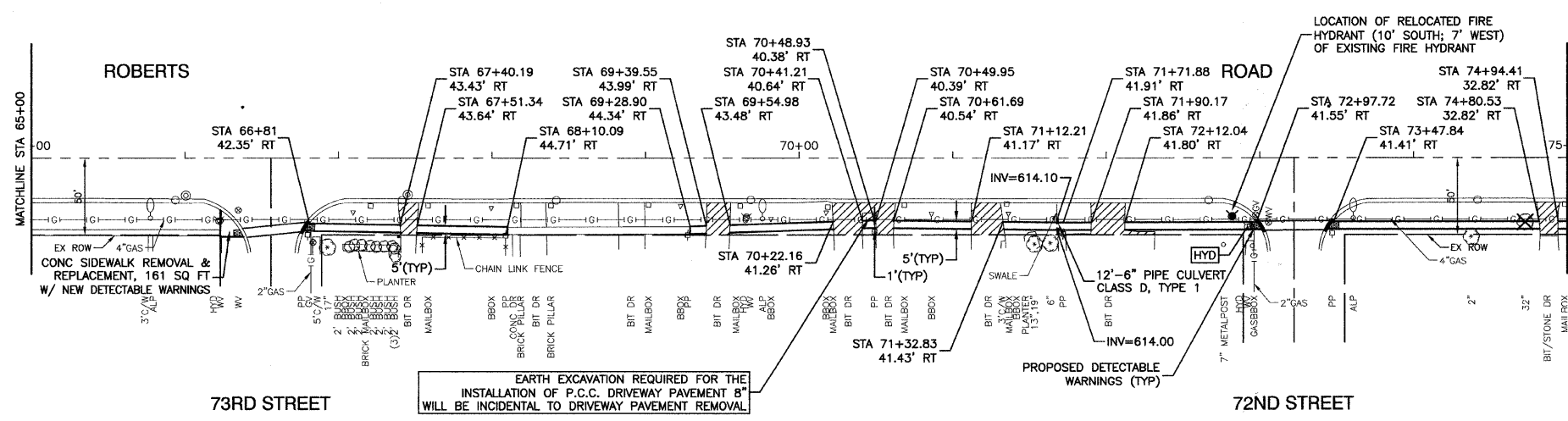
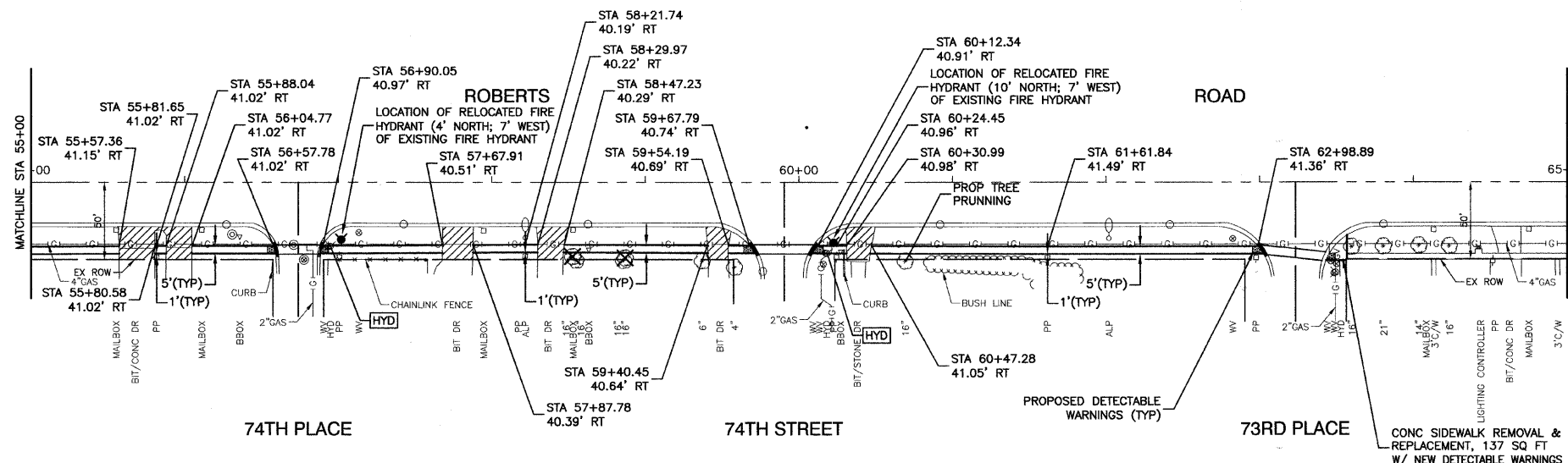
NOTE:
ALL SIDEWALK WILL HAVE A MINIMUM THICKNESS OF 5" UNLESS WHEN CROSSING A DRIVEWAY THEN MINIMUM THICKNESS SHALL BE 8"



FILE NAME = 08291-PLAN-01 - .DOT P02	USER NAME =	DESIGNED = RJW	REVISED =
		CHECKED = RJW	REVISED =
		DRAWN = PS	REVISED =
		CHECKED = AG	REVISED =
PLOT DATE = 08-20-09			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK IMPROVEMENTS ROBERTS ROAD - 83RD STREET TO ARCHER AVENUE		F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 6
SCALE: 1"=50'		SHEET NO. 6 OF 35 SHEETS		CONTRACT NO. 63228		
STA. TO STA.		FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT M-9003(325)		



EROSION CONTROL NOTES

ANY AREA WHERE THERE IS NO PROPOSED GRADING OR WORK, THE EXISTING GROUND COVER SHALL REMAIN.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION CONTROL PLAN BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.

DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH THE USE OF EROSION CONTROL BLANKET OR OTHER APPROVED MEASURE WILL BE INSTALLED WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 DAYS.

THE EROSION CONTROL BLANKET REQUIRED IS CONSIDERED INCIDENTAL TO THE PAY ITEM "RESTORATION."

THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES. THIS PERSON IS TO HAVE THE AUTHORITY TO CARRY OUT THE PLAN GIVEN BY THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY 7 DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 1/2".

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURE EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING THE DUST AND AIRBORNE DIRT GENERATED BY HIS/HER CONSTRUCTION ACTIVITIES. THIS WORK WILL BE DONE ACCORDING TO SECTION 107.36 OF THE STANDARD SPECIFICATIONS.

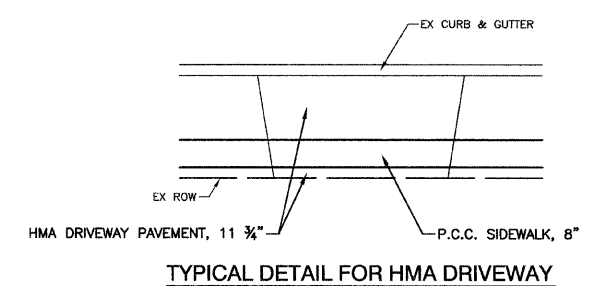
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THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

LEGEND

- TREE TO BE REMOVED
- CONC CURB AND GUTTER REMOVAL & REPLACE (10' TYPICAL PER LOCATION UNLESS OTHERWISE NOTED)
- PROPOSED DRIVEWAY PAVEMENT REMOVAL & REPLACE W/ PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8" OR HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 11 3/4" (SEE "HMA DRIVEWAY DETAIL")
- DETECTABLE WARNINGS (8 SQ FT EACH LOCATION)
- MANHOLES TO BE ADJUSTED
- FIRE HYDRANT TO BE REMOVED AND RELOCATED
- VALVE VAULTS TO BE ADJUSTED
- HANDHOLE TO BE ADJUSTED
- CATCH BASIN TO BE ADJUSTED

NOTE:
ALL SIDEWALK WILL HAVE A MINIMUM THICKNESS OF 5" UNLESS WHEN CROSSING A DRIVEWAY THEN MINIMUM THICKNESS SHALL BE 8"



FILE NAME = 00201-PLAN 01 - IDOT P03	USER NAME =	DESIGNED = RJW	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK IMPROVEMENTS ROBERTS ROAD - 83RD STREET TO ARCHER AVENUE			F.A.U. RTE. 275/1153	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 7
	PLOT SCALE =	DRAWN = PS	REVISED =		SCALE: 1"=50'	SHEET NO. 7 OF 35 SHEETS	STA. TO STA.	CONTRACT NO. 63228				
PLOT DATE = 08-20-09	CHECKED = AG	REVISED =	REVISED =				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)					

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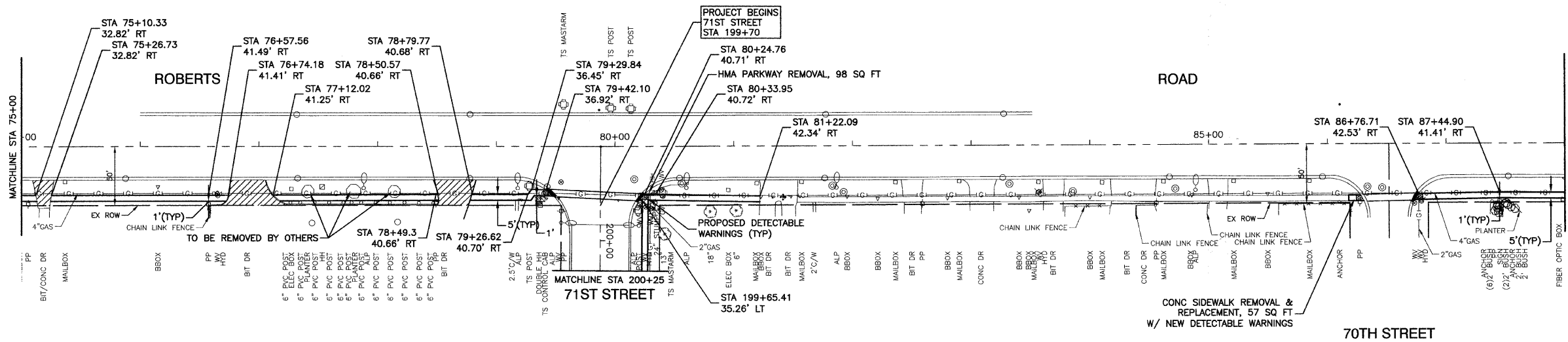
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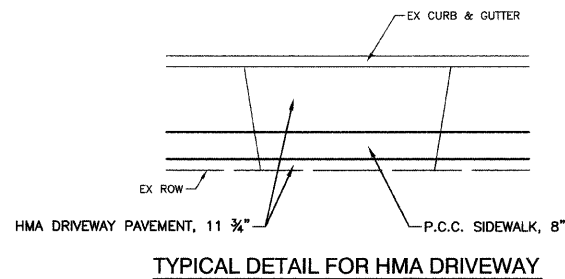
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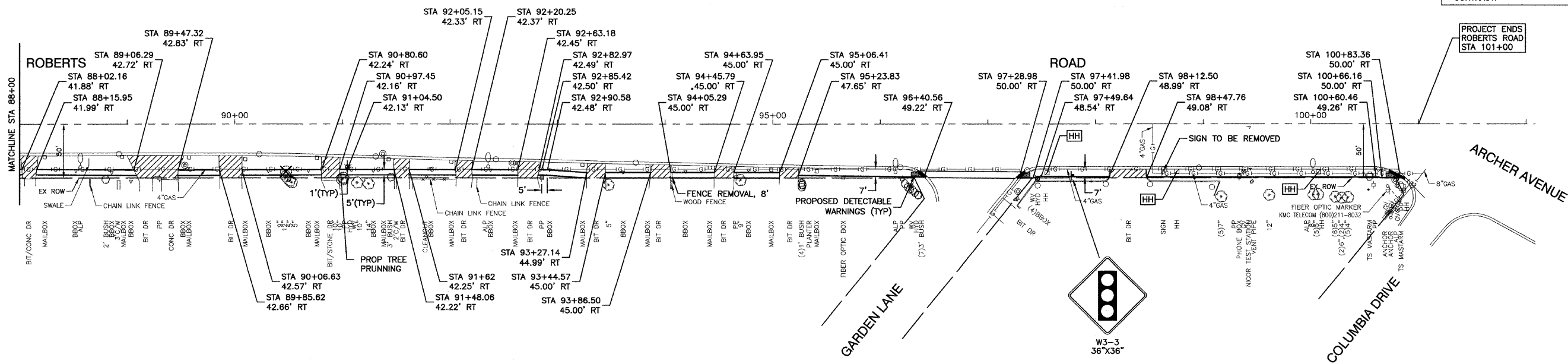


LEGEND

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- CONC CURB AND GUTTER REMOVAL & REPLACE (10' TYPICAL PER LOCATION UNLESS OTHERWISE NOTED)
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NOTE:
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FILE NAME = 08291-PLAN-01 - IDOT P04	USER NAME =	DESIGNED - RJW	REVISED -
		CHECKED - RJW	REVISED -
	PLOT SCALE =	DRAWN - PS	REVISED -
	PLOT DATE = 08-20-09	CHECKED - AG	REVISED -

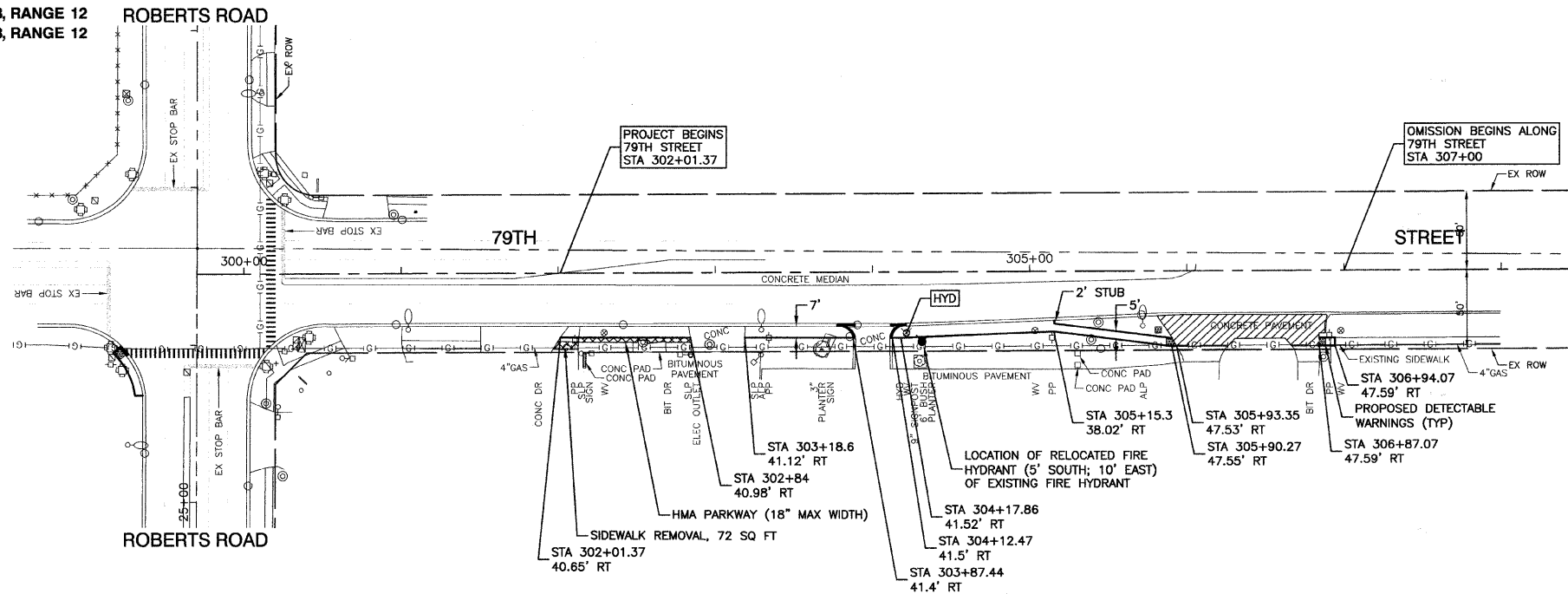
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK IMPROVEMENTS
ROBERTS ROAD - 83RD STREET TO ARCHER AVENUE

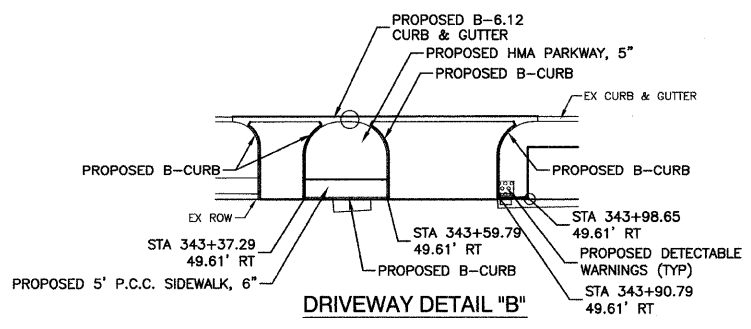
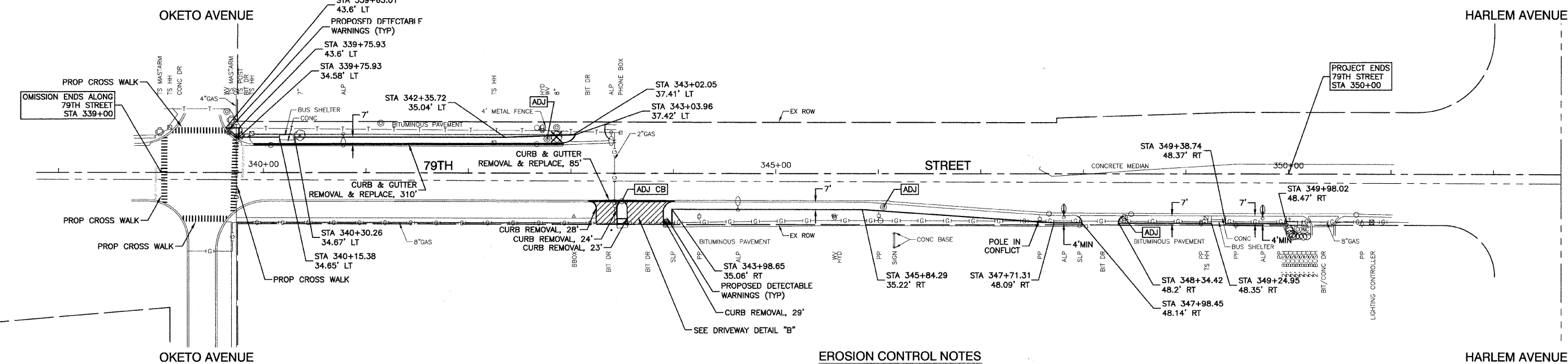
F.A.U. RTE. 2757/11537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 8
CONTRACT NO. 63228				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)				

SCALE: 1"=50' SHEET NO. 8 OF 35 SHEETS STA. TO STA.

SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12



- LEGEND**
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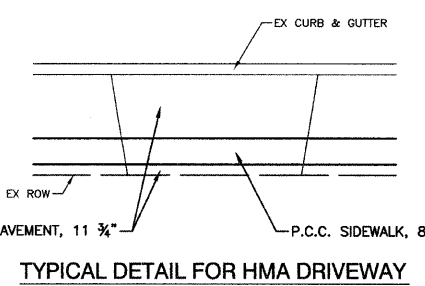
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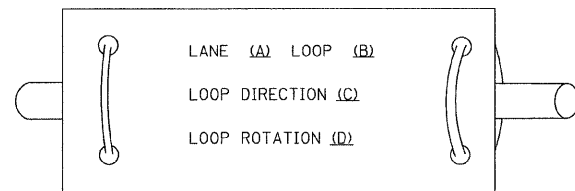


FILE NAME = 08291-PLAN-01 - IDOT P06	USER NAME =	DESIGNED -- RJW	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK IMPROVEMENTS 79TH STREET - ROBERTS ROAD TO 700' WEST 79TH STREET - OKETO AVENUE TO HARLEM AVENUE		F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 10	
	PLOT SCALE =	CHECKED -- RJW	REVISED --		SCALE: 1"=50'	SHEET NO. 10 OF 35 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(325)	CONTRACT NO. 63228	
	PLOT DATE = 08-20-09	DRAWN -- PS	REVISED --									
		CHECKED -- AG	REVISED --									

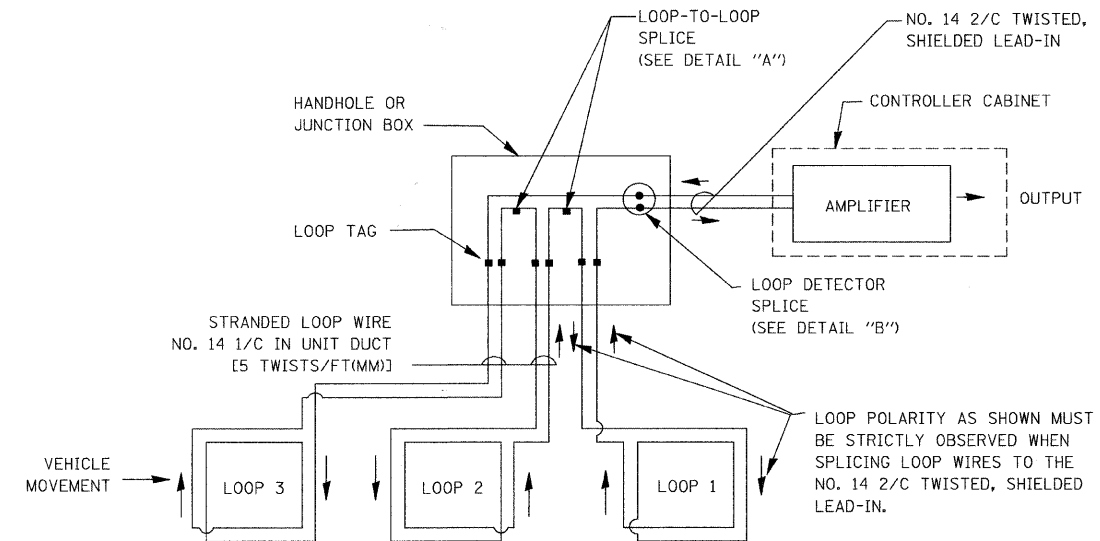
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

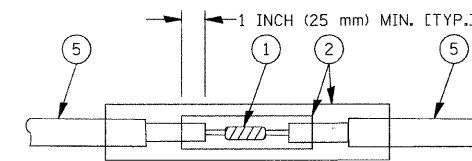


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

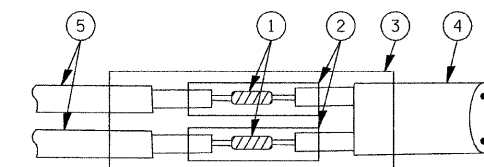


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

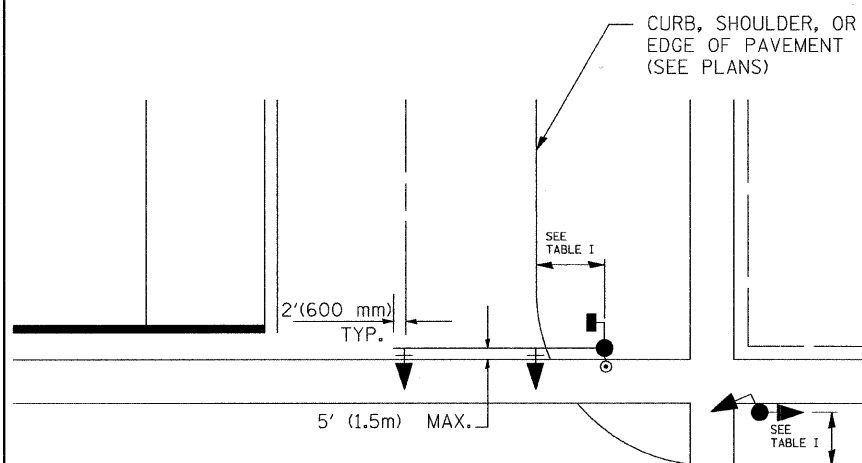
LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

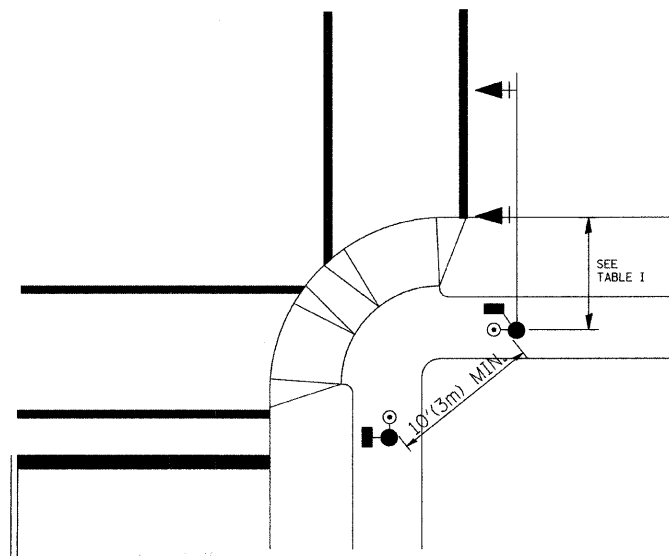
FILE NAME = 00291-DTIS-TS05a - TS-05A	USER NAME = geglianobt	DESIGNED -- D.A.D.	REVISED -- 11-12-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 12
	PLOT SCALE = 50.0000' / IN.	DRAWN --	REVISED --					TS-05				
	PLOT DATE = 1/4/2008	CHECKED -- 05-30-00	REVISED --					CONTRACT NO. 63228				
								SCALE: SHEET NO. 12 OF 35 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)				

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK.
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

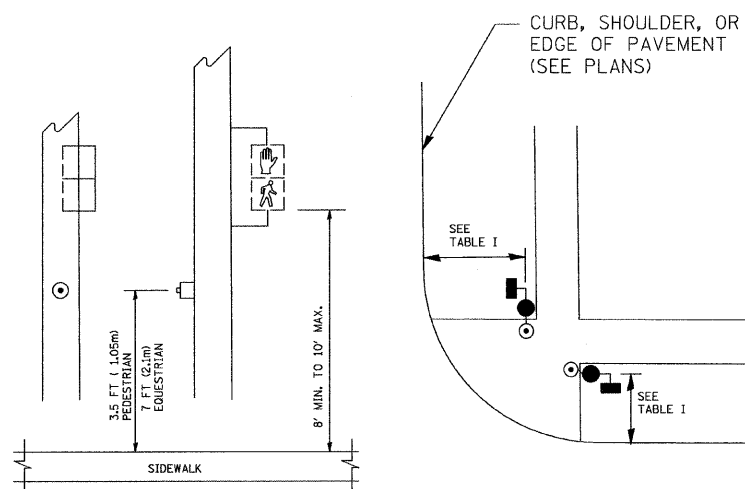


TABLE I

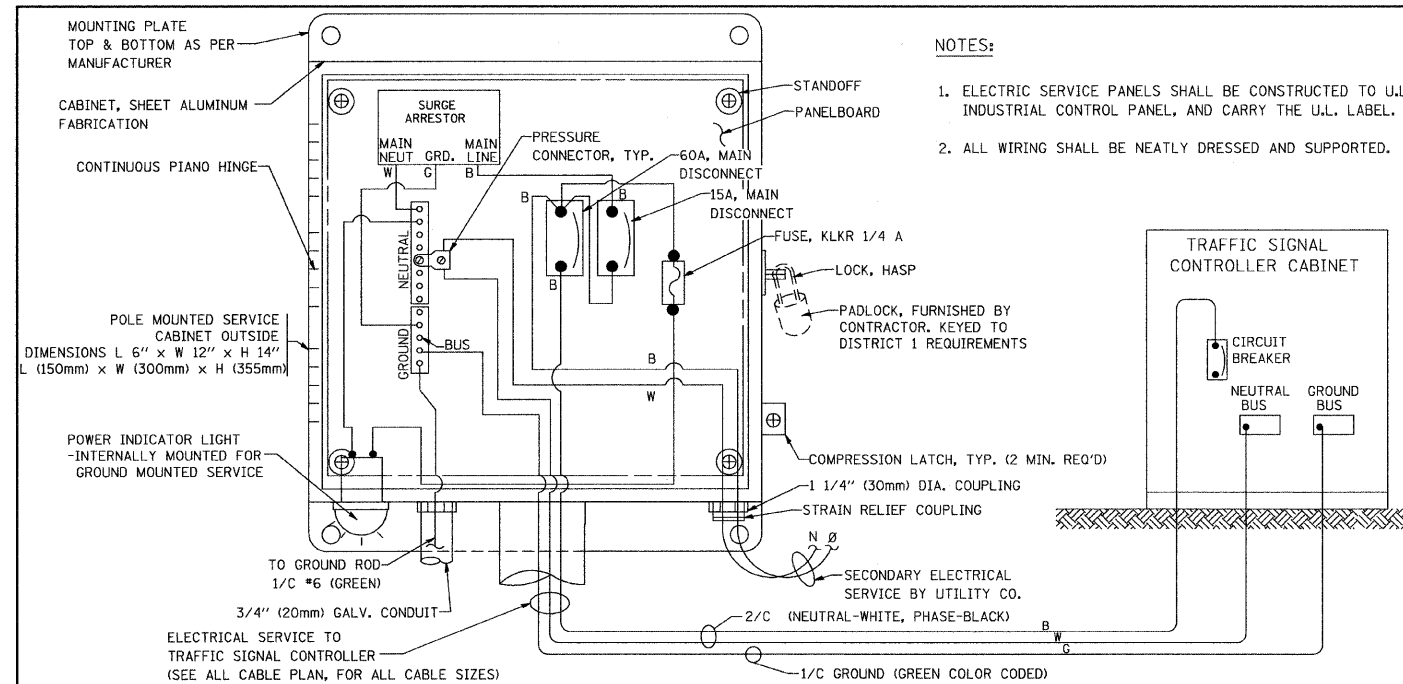
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

FILE NAME = 08291-DTLS-TS050 - TS-05B	USER NAME = geglianobt	DESIGNED -- D.A.D.	REVISED -- BUR. TRAFFIC 01-01-02
		CHECKED --	REVISED --
	PLOT SCALE = 50.0000 "/ IN.	DRAWN --	REVISED --
	PLOT DATE = 1/4/2008	CHECKED --	REVISED --

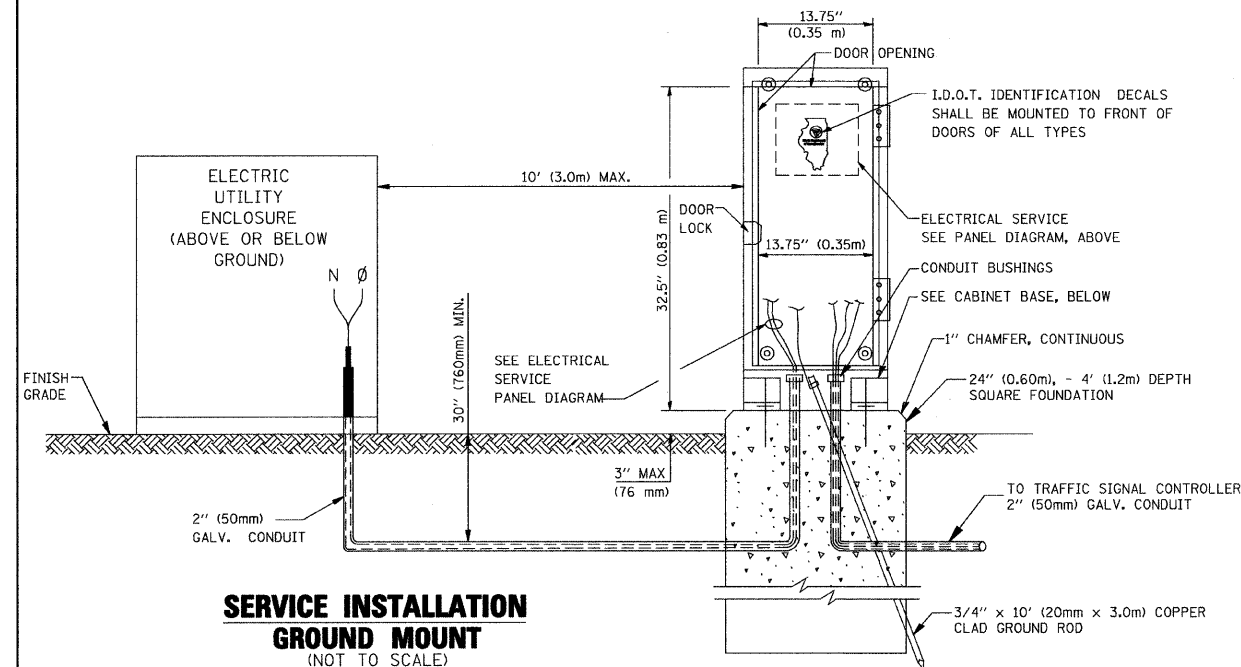
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE:	SHEET NO. 13 OF 35 SHEETS	STA.	TO STA.

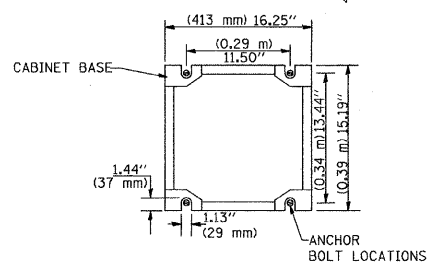
F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 13
TS-05		CONTRACT NO. 63228		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)				



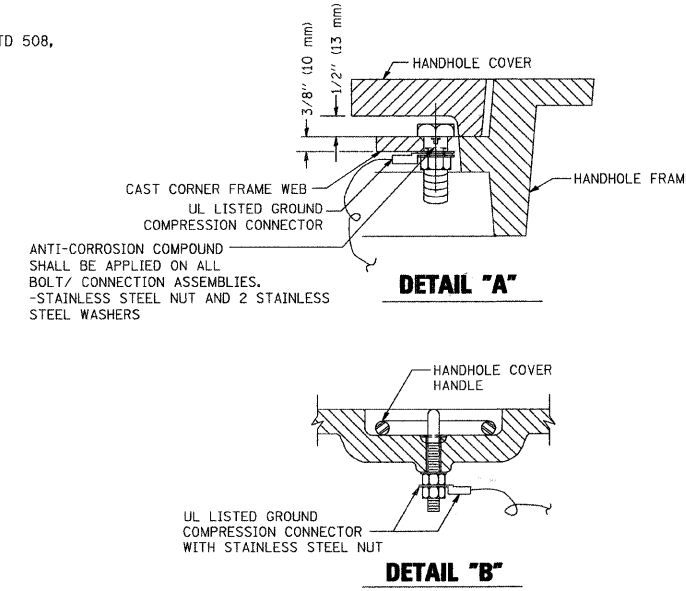
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)



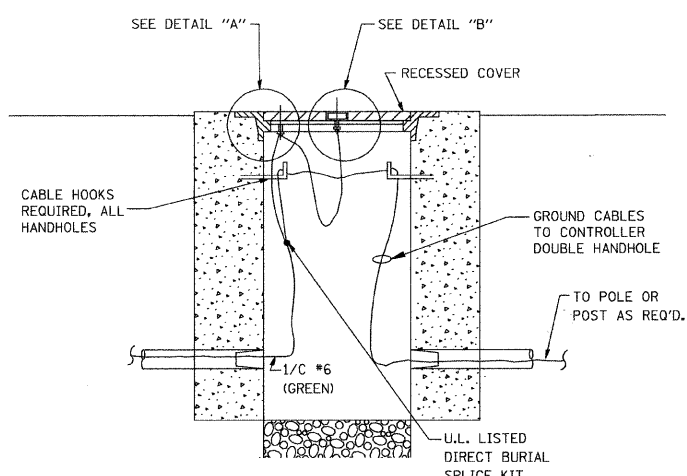
CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)



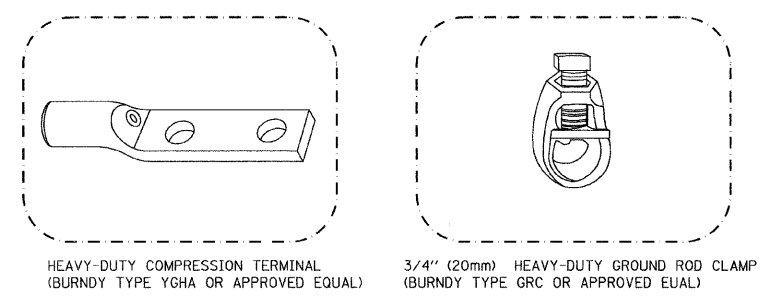
NOTES:

GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

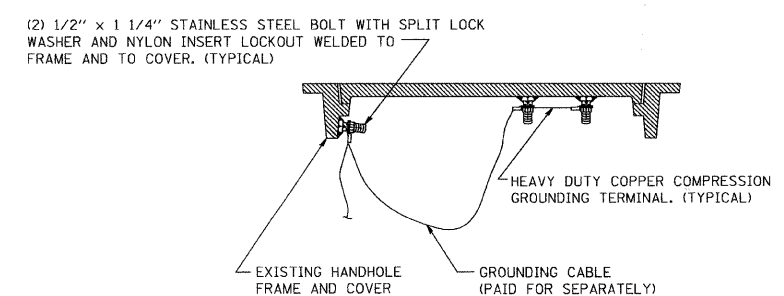


HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

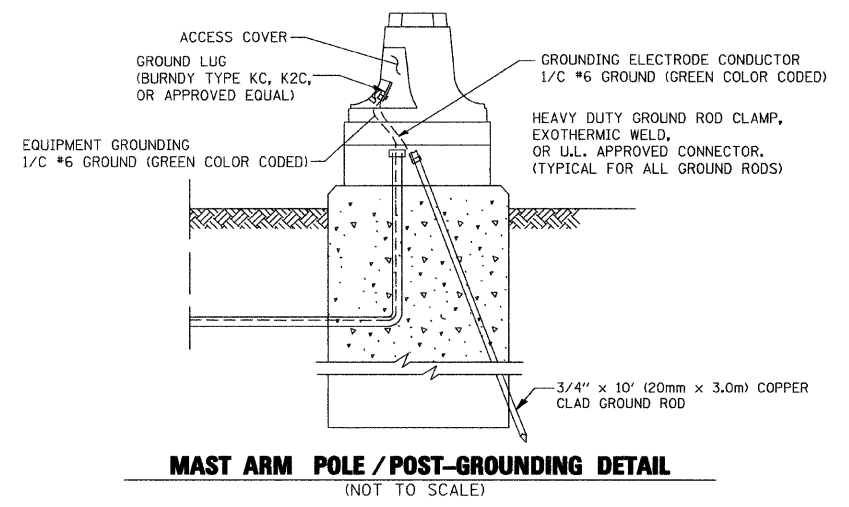


NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, U.L. APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

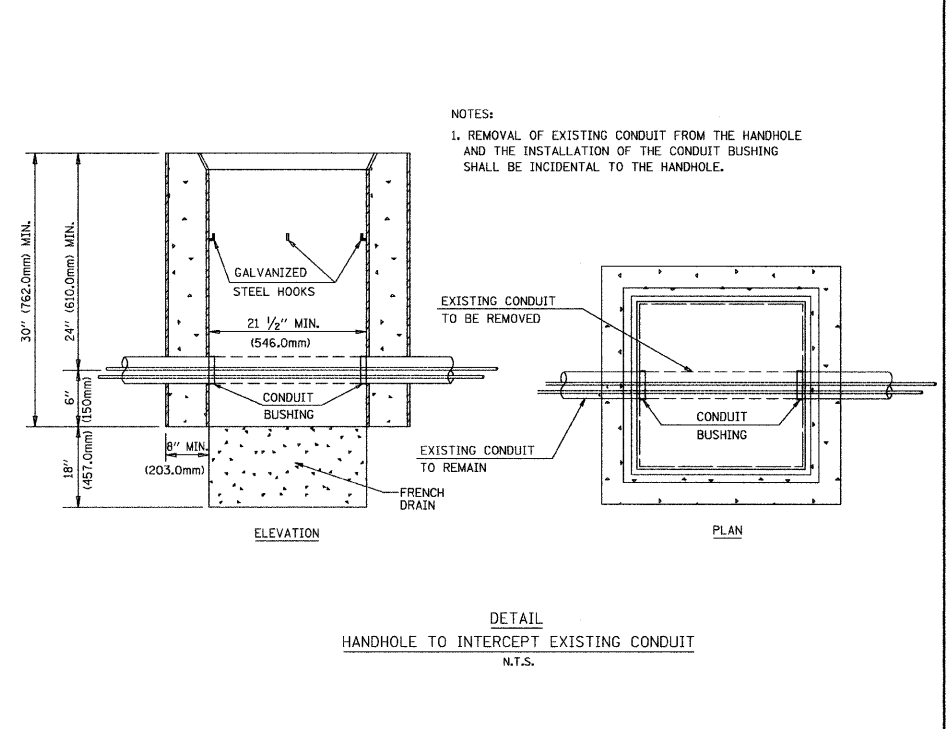
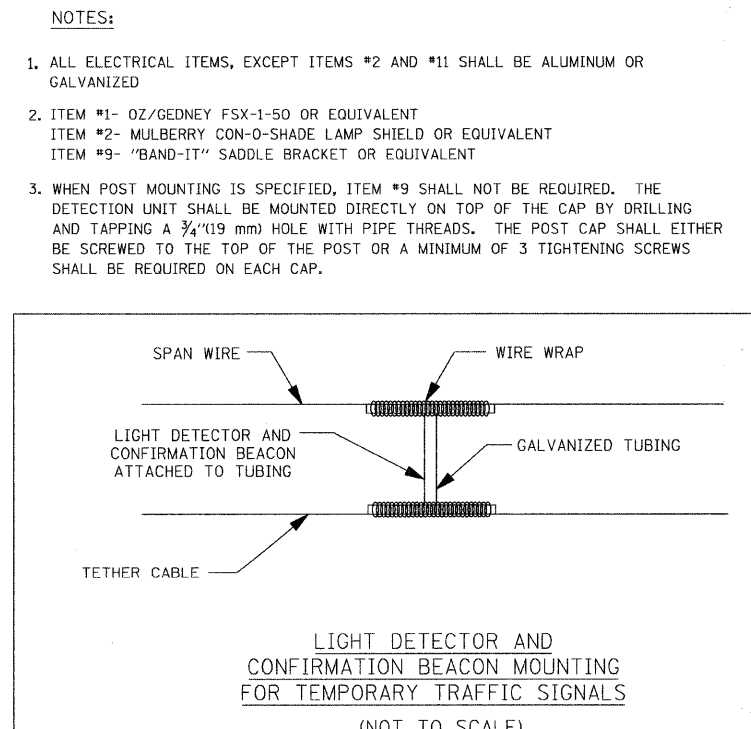
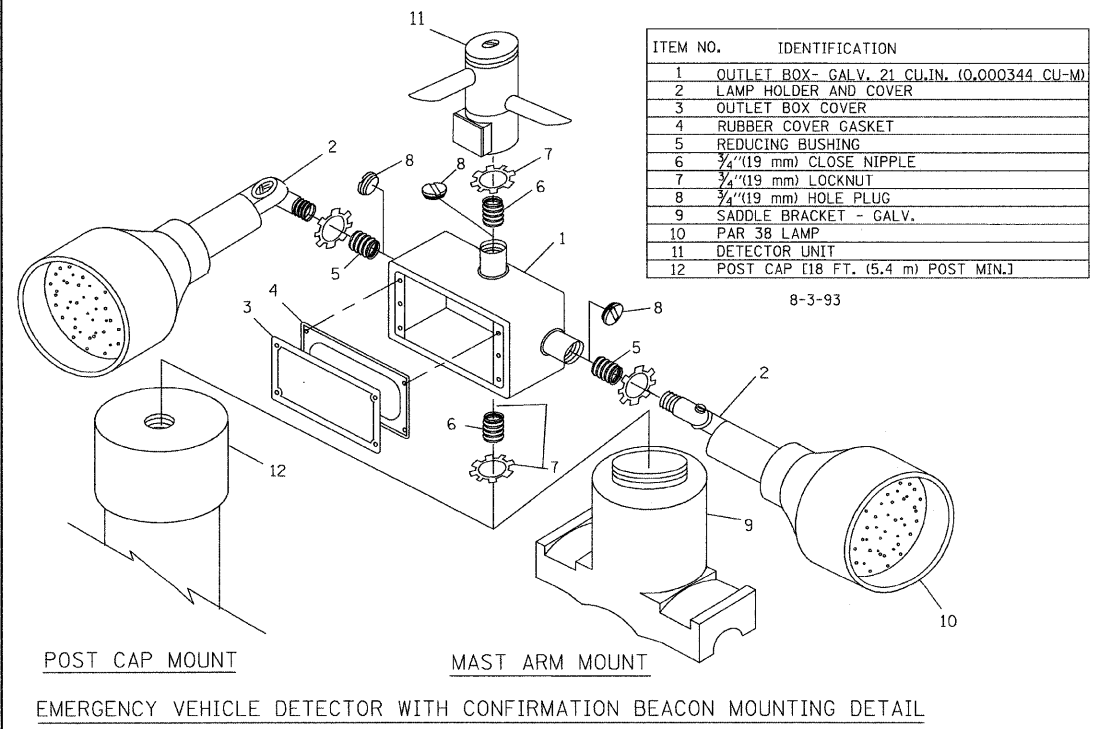
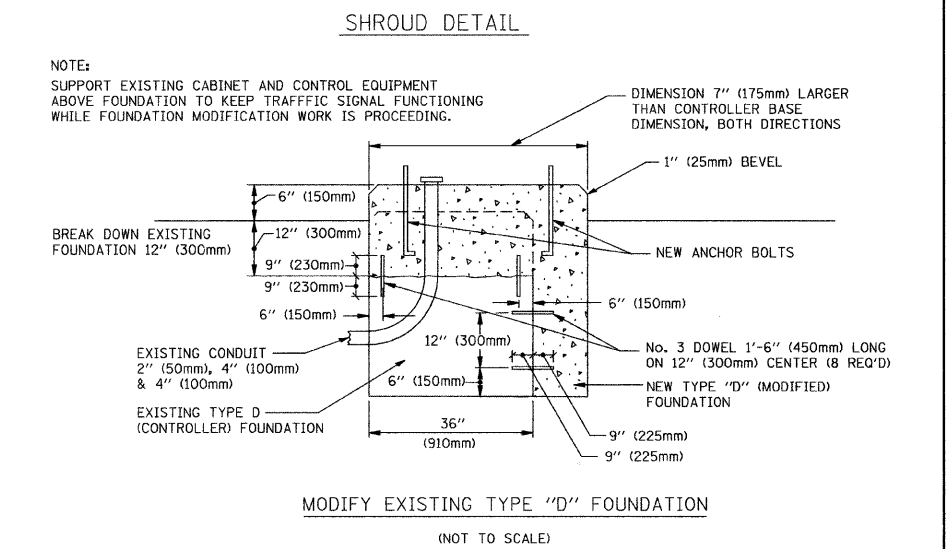
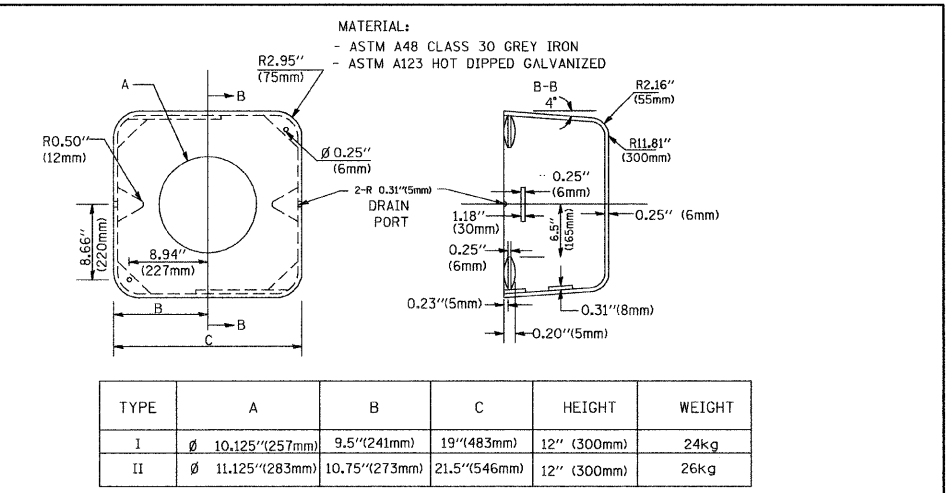
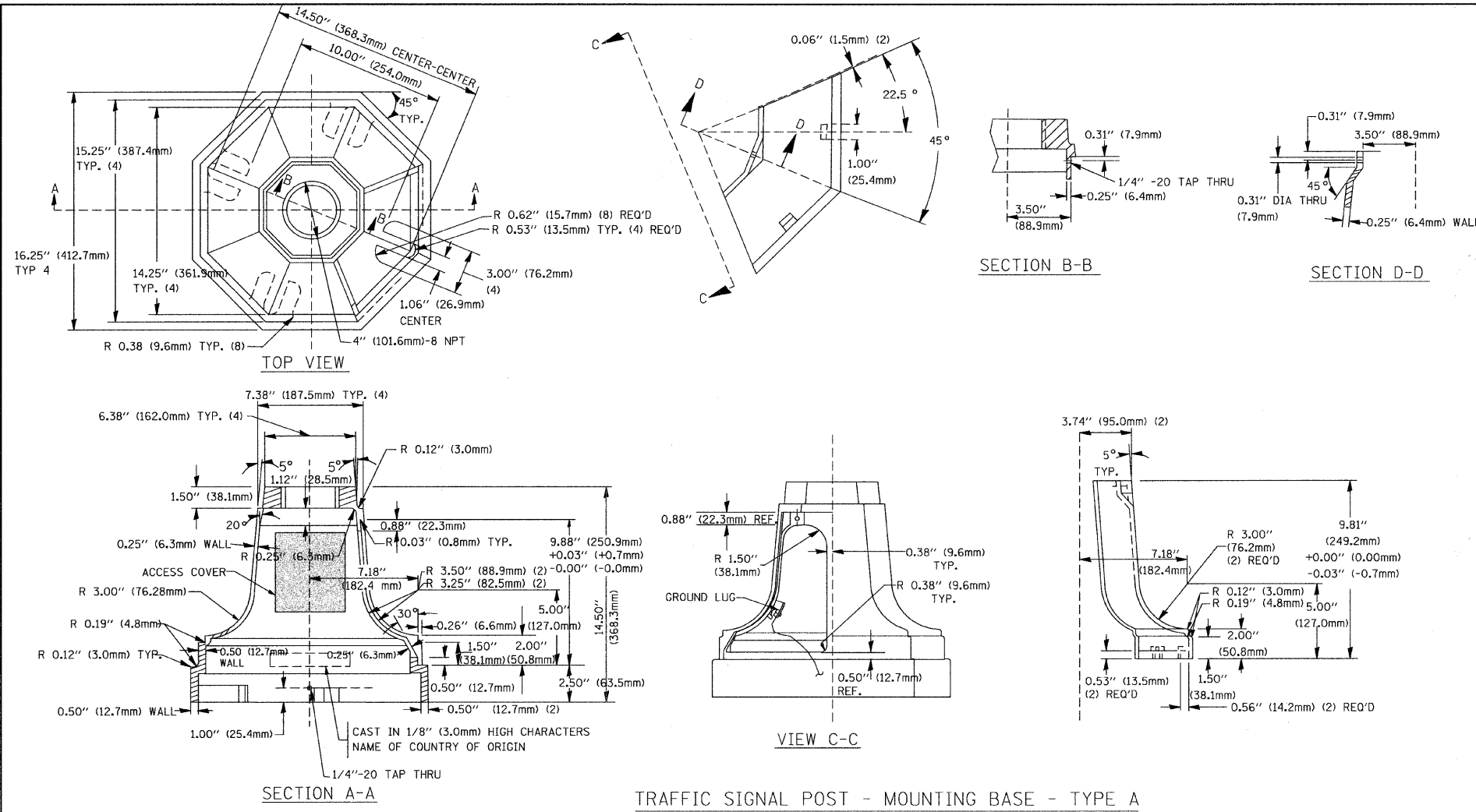


MAST ARM POLE / POST-GROUNDING DETAIL
 (NOT TO SCALE)

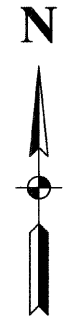
FILE NAME = 08291-DTLS-TS05C - TS-05C	USER NAME = geglanobt	DESIGNED - D.A.D.	REVISED - 03-15-01
		CHECKED -	REVISED - BUR. TRAFFIC 01-01-02
	PLOT SCALE = 50.00000' / IN.	DRAWN -	REVISED -
	PLOT DATE = 1/4/2008	CHECKED - 05-30-00	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		2757/1537	09-00060-00-SW	COOK	35	14
		TS-05		CONTRACT NO. 63228		
SCALE:	SHEET NO. 14 OF 35 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(325)

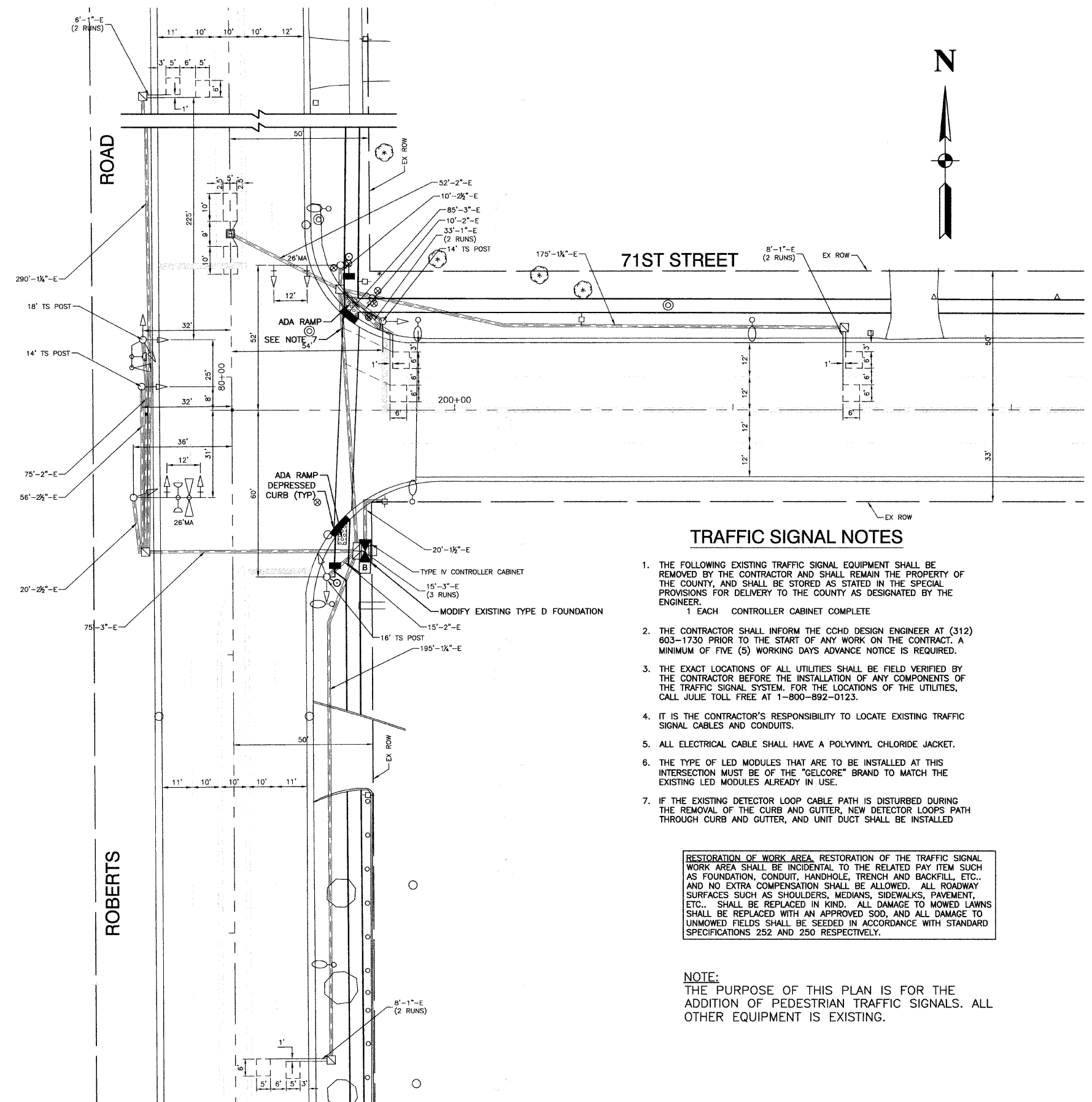


SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12



TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
UNIT DUCT	UD	
COMMON TRENCH	CT	
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN GROUND		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET		
TELEPHONE CONNECTION	T	
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		
UNINTERRUPTIBLE POWER SUPPLY	B	



TRAFFIC SIGNAL NOTES

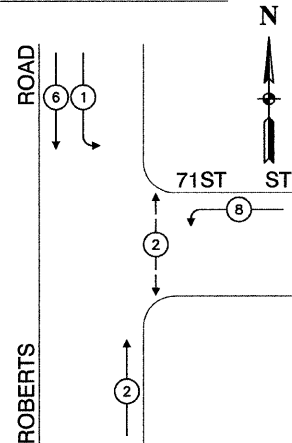
- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE COUNTY, AND SHALL BE STORED AS STATED IN THE SPECIAL PROVISIONS FOR DELIVERY TO THE COUNTY AS DESIGNATED BY THE ENGINEER.
1 EACH CONTROLLER CABINET COMPLETE
- THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
- THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.
- ALL ELECTRICAL CABLE SHALL HAVE A POLYVINYL CHLORIDE JACKET.
- THE TYPE OF LED MODULES THAT ARE TO BE INSTALLED AT THIS INTERSECTION MUST BE OF THE "GELCORE" BRAND TO MATCH THE EXISTING LED MODULES ALREADY IN USE.
- IF THE EXISTING DETECTOR LOOP CABLE PATH IS DISTURBED DURING THE REMOVAL OF THE CURB AND GUTTER, NEW DETECTOR LOOPS PATH THROUGH CURB AND GUTTER, AND UNIT DUCT SHALL BE INSTALLED

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC.. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC.. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

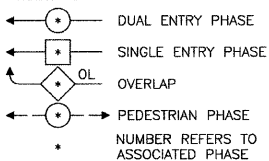
NOTE:
THE PURPOSE OF THIS PLAN IS FOR THE ADDITION OF PEDESTRIAN TRAFFIC SIGNALS. ALL OTHER EQUIPMENT IS EXISTING.

FILE NAME = 09291-SIGNAL-01 - P01	USER NAME =	DESIGNED -- RJW	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDWALK IMPROVEMENTS ROBERTS ROAD & 71ST STREET TRAFFIC SIGNAL MODIFICATION PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
	CHECKED -- RJW	REVISED --	2757/1537			09-00060-00-SW	COOK	35	16					
PLOT SCALE =	DRAWN -- PS	REVISED --	SCALE: 1"=20'			SHEET NO. 16 OF 35 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-9003(325)	
PLOT DATE = 08-20-09	CHECKED -- AG	REVISED --	CONTRACT NO. 63228											

CONTROLLER SEQUENCE

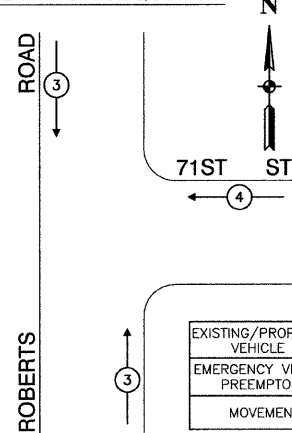


LEGEND

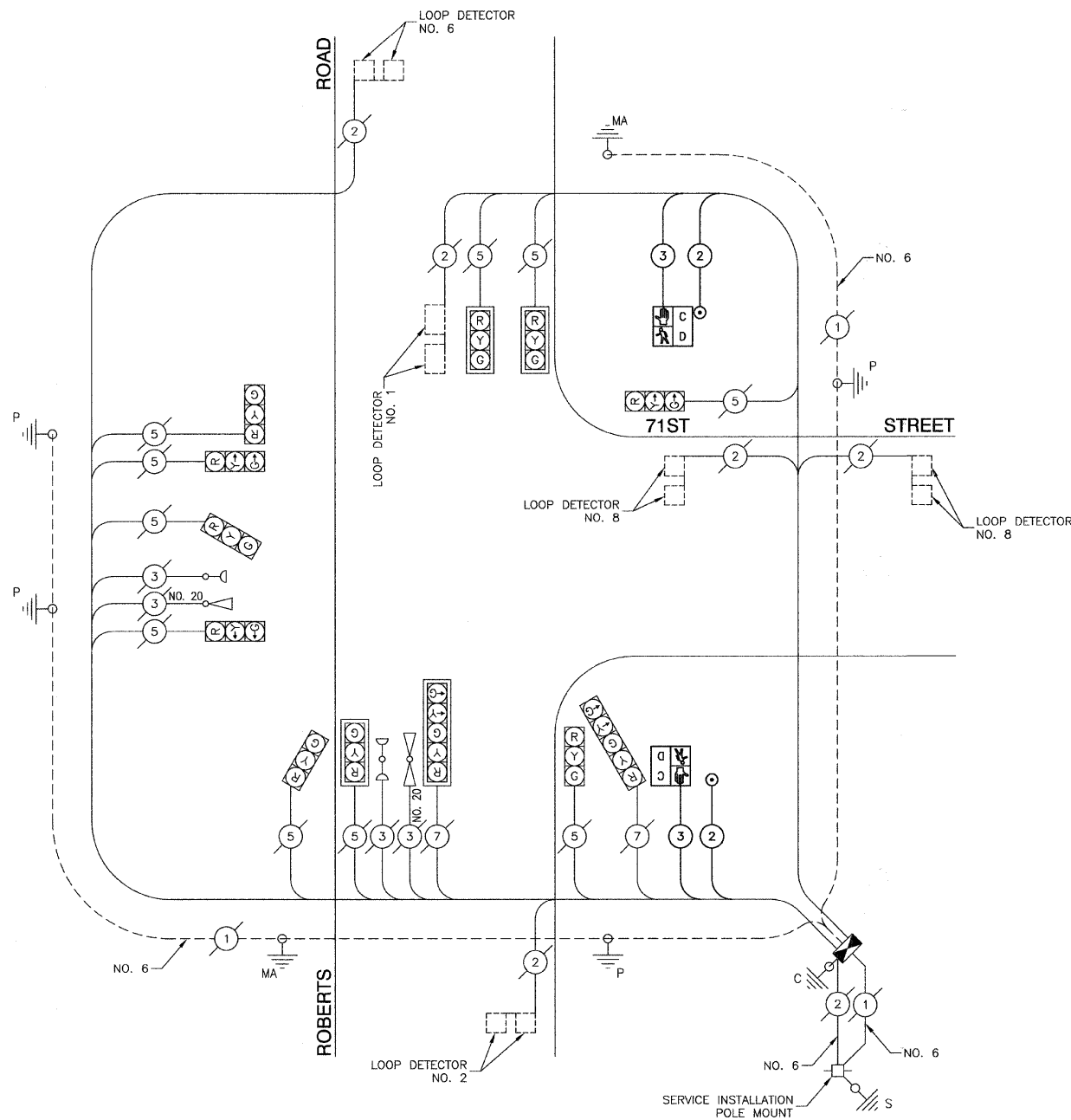


PHASE DESIGNATION DIAGRAM

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



EXISTING/PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	↑	—



CABLE PLAN
NOT TO SCALE

CABLE PLAN LEGEND	
EXISTING	PROPOSED

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUAN
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	217
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	217
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, WITH COUNTDOWN TIMERS, BRACKET MOUNTED	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	5
PEDESTRIAN PUSH BUTTON	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
MODIFY EXISTING TYPE "D" FOUNDATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
DETECTOR LOOP, TYPE I	FOOT	103

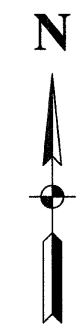
NOTE:
THE PURPOSE OF THIS PLAN IS FOR THE ADDITION OF PEDESTRIAN TRAFFIC SIGNALS. ALL OTHER EQUIPMENT IS EXISTING.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	4		12	0.10	5
PED. SIGNAL	2		25	1.00	50
CONTROLLER	1		100	1.00	100
ILLUM. SIGN					
FLASHER				0.50	
TOTAL =					377

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2'
E - M. ARM POLE	2 (0.6)	SIGNAL POST	2 (0.6)	(8m+L-0.6m)	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

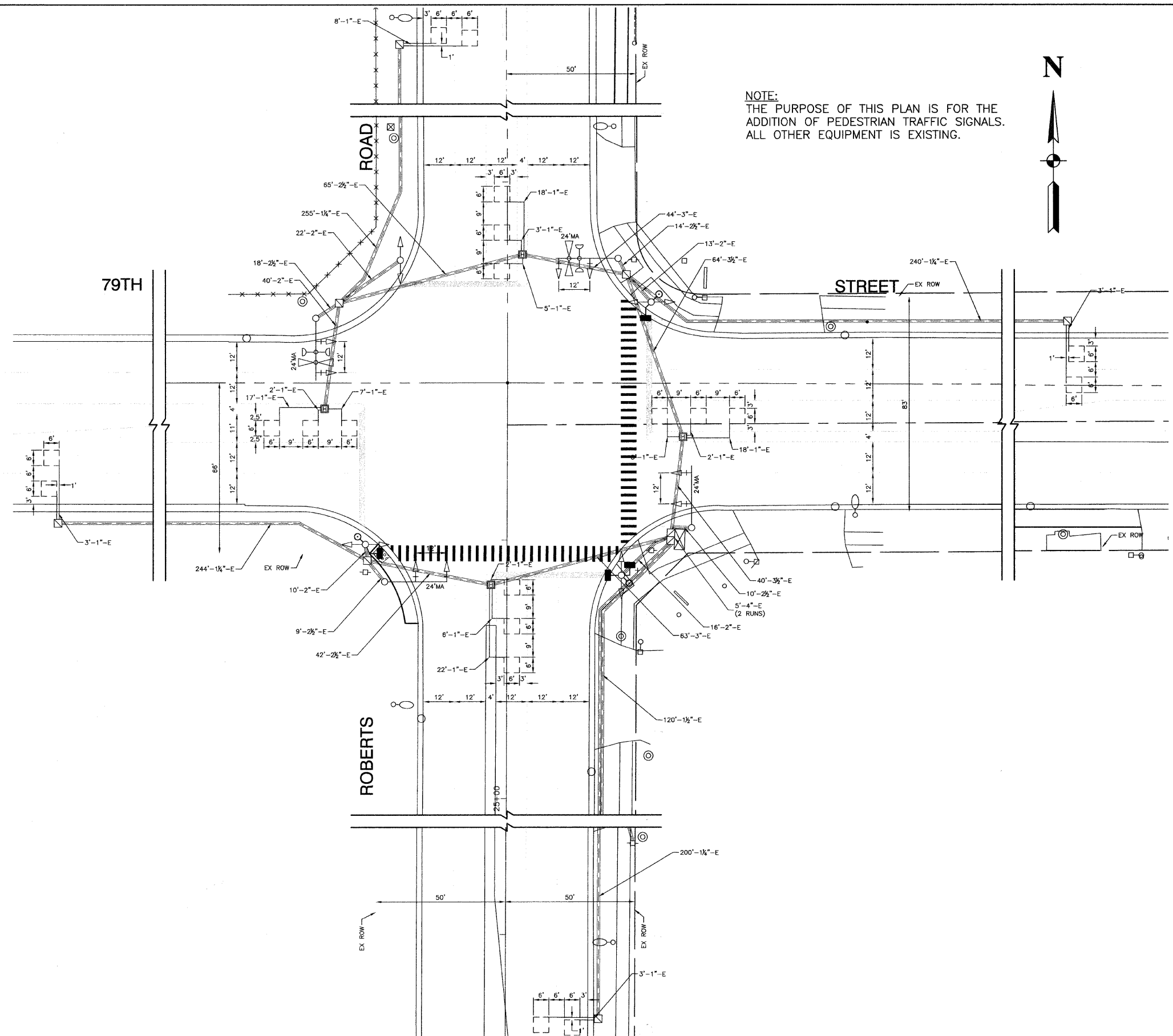
SECTION 25, TOWNSHIP 38, RANGE 12
SECTION 36, TOWNSHIP 38, RANGE 12

NOTE:
THE PURPOSE OF THIS PLAN IS FOR THE
ADDITION OF PEDESTRIAN TRAFFIC SIGNALS.
ALL OTHER EQUIPMENT IS EXISTING.

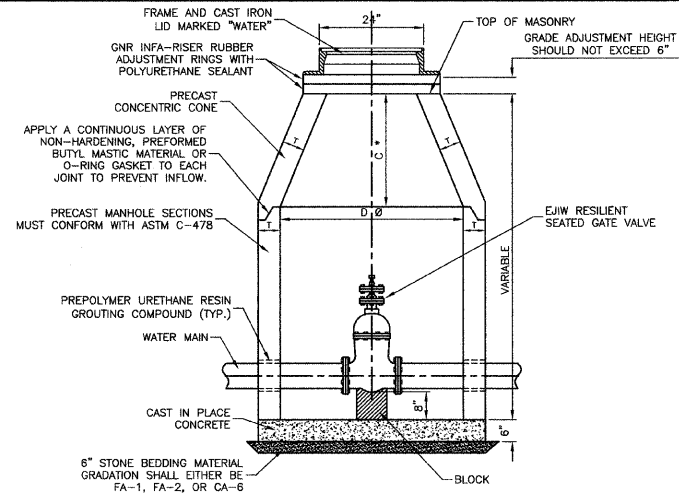


TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
UNIT DUCT		
COMMON TRENCH		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN GROUND		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET		
TELEPHONE CONNECTION		
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		
UNINTERRUPTIBLE POWER SUPPLY		

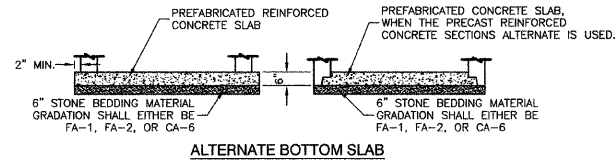


FILE NAME = 09291-SGNL-01 - P02	USER NAME =	DESIGNED = RJW	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK IMPROVEMENTS ROBERTS ROAD & 79TH STREET TRAFFIC SIGNAL MODIFICATION PLAN	F.A.U. RTE. 2757/11537	SECTION 09-00080-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 18		
	PLOT SCALE =	CHECKED = RJW	REVISED =			SCALE: 1"=20'	SHEET NO. 18 OF 35 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(325)
	PLOT DATE = 08-20-09	DRAWN = PS	REVISED =			CONTRACT NO. 63228						
		CHECKED = AG	REVISED =									

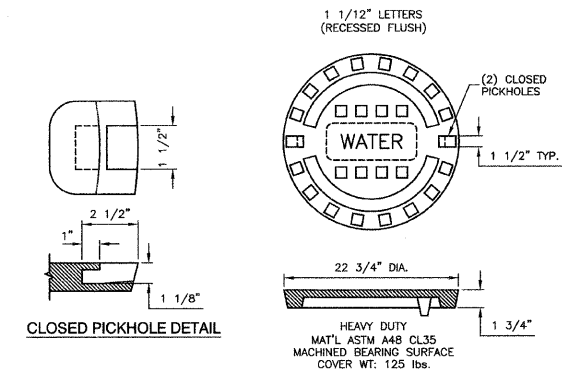


- NOTES:
1. CONCENTRIC CONE REQUIRED (VALVE TO ALIGN W/ CENTER OF FRAME OPENING).
 2. USE 4'-0" FOR WATER MAIN SIZES 8" AND UNDER. 5'-0" FOR SIZES 10" AND ABOVE.
 3. VALVE VAULT TO CONFORM TO ASTM C-478.
 4. ALL VALVES SHALL BE EAST JORDAN IRON WORKS RESILIENT SEATED GATE VALVES.
 5. ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.
 6. PROVIDE CA-6 AGGREGATE BACKFILL MATERIAL AROUND VAULT TO SUB-GRADE ELEVATION; IN PAVED AREAS.

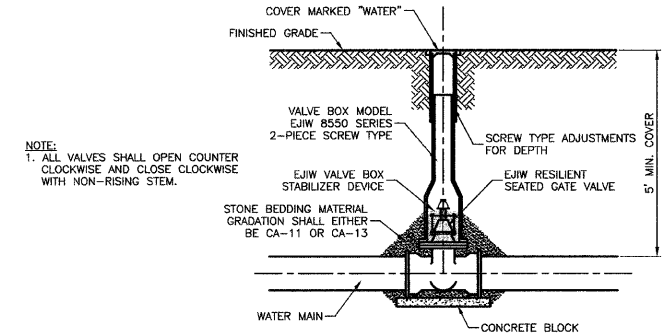
* DIMENSION "C" FOR PRECAST REINFORCED CONCRETE SECTION MAY VARY FROM THE DIMENSION GIVEN ±6"



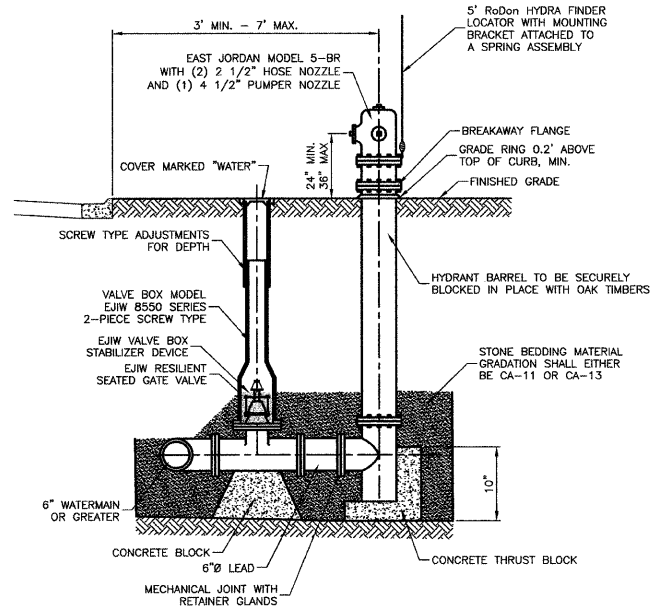
VALVE IN VAULT DETAIL



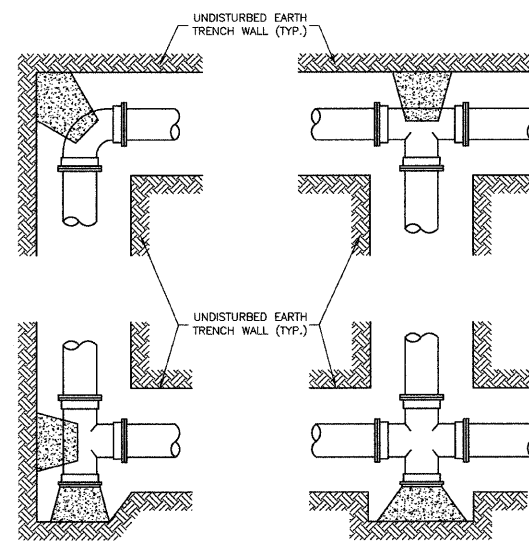
SPECIAL LETTERED WATER VALVE VAULT LID



TYPICAL VALVE IN BOX INSTALLATION

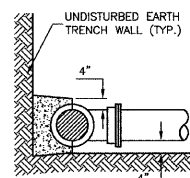


FIRE HYDRANT INSTALLATION



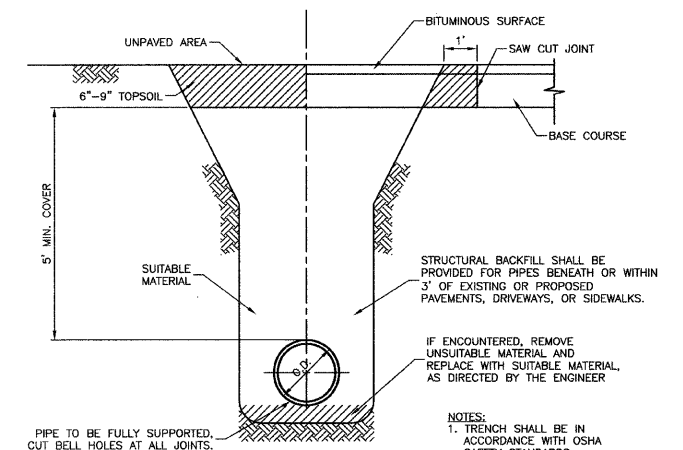
TYPICAL THRUST BLOCK INSTALLATIONS

PLANS



SECTION

- NOTES:
1. PROVIDE PRECAST OR CAST-IN-PLACE CONCRETE THRUST BLOCKS OF ADEQUATE SIZE AND THRUST BEARING SURFACE TO PREVENT MOVEMENT OF PIPELINE UNDER PRESSURE.
 2. PLACE THE BASE AND THE THRUST BEARING SIDES OF THRUST BLOCK DIRECTLY AGAINST UNDISTURBED EARTH.
 3. PLACE THRUST BLOCKING SO THE FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIR.



TRENCH BACKFILL DETAIL FOR WATERMAIN

FILE NAME = 09291-DTIS-02 - P01

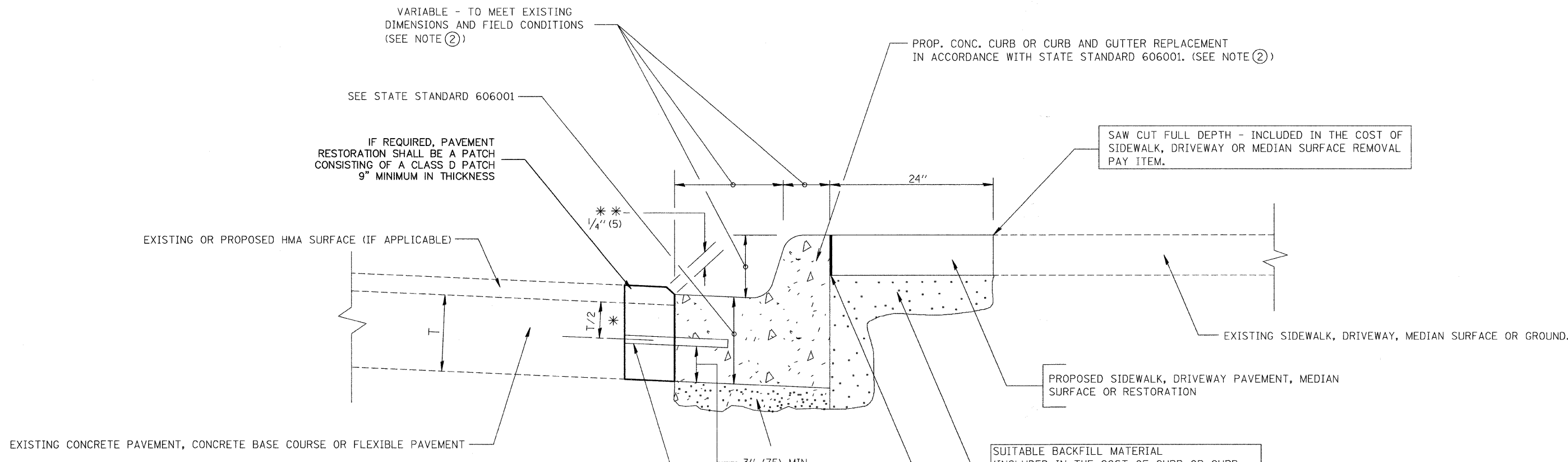
USER NAME =	DESIGNED — RJW	REVISED —
	CHECKED — RJW	REVISED —
PLOT SCALE =	DRAWN — PS	REVISED —
PLOT DATE = 08-20-09	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK IMPROVEMENTS
DETAILS

SCALE: SHEET NO. 20 OF 35 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2757/1537	09-00060-00-SW	COOK	35	20
CONTRACT NO. 63228				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
 - * * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

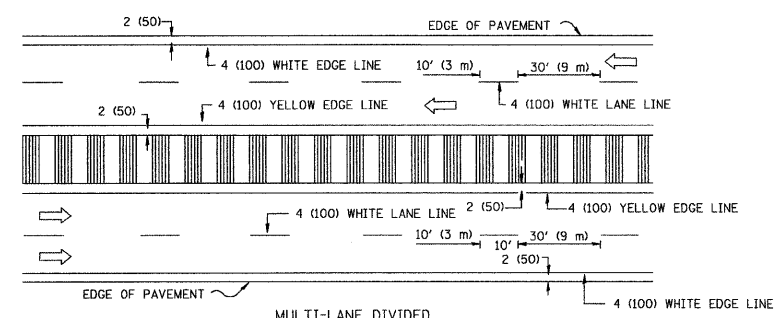
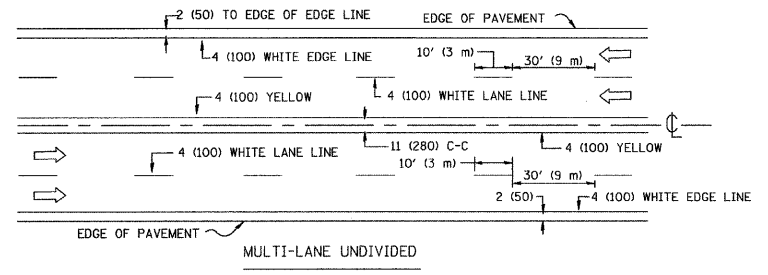
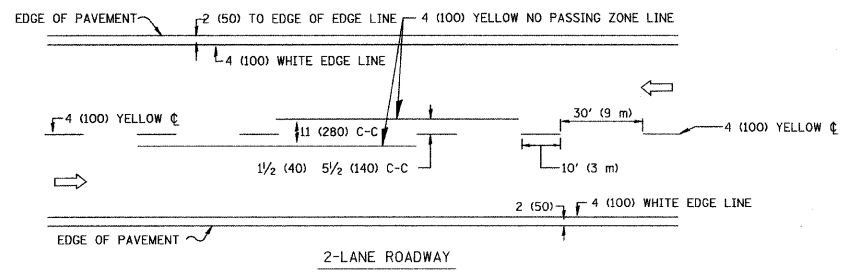
- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.
- REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

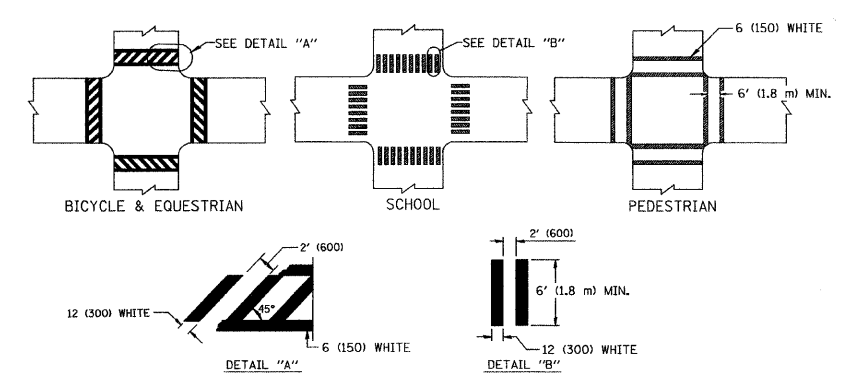
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = 08291-07LS-01 - BD-24	USER NAME = geglencobt	DESIGNED -- A. HOUSEH	REVISED -- R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 21		
		CHECKED --	REVISED -- A. ABBAS 03-21-97			SCALE:	SHEET NO. 21 OF 35 SHEETS	STA.	TO STA.	CONTRACT NO. 63228		
		DRAWN --	REVISED -- M. GOMEZ 01-22-01			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)						
		PLOT DATE = 1/4/2008	CHECKED -- 03-11-94			REVISED -- R. BORO 01-01-07						

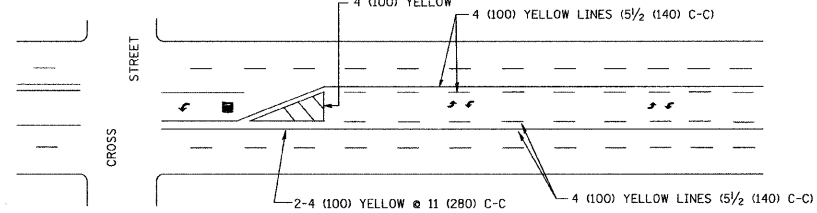
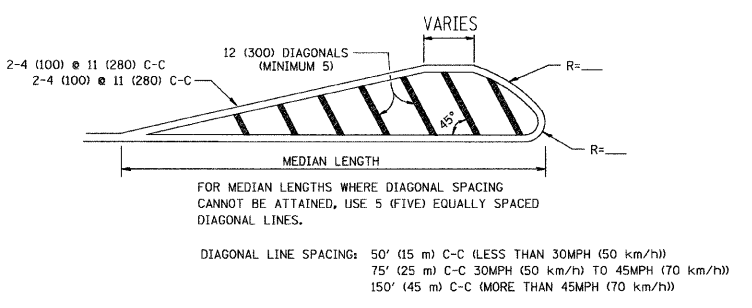
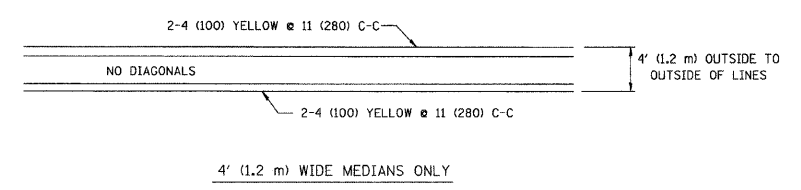


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

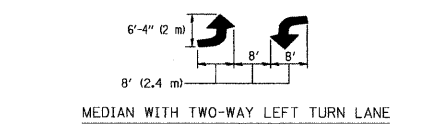


TYPICAL CROSSWALK MARKING

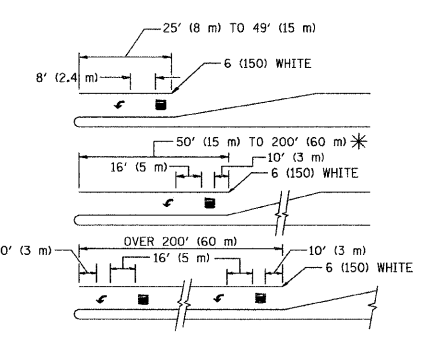


TYPICAL PAINTED MEDIAN MARKING

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

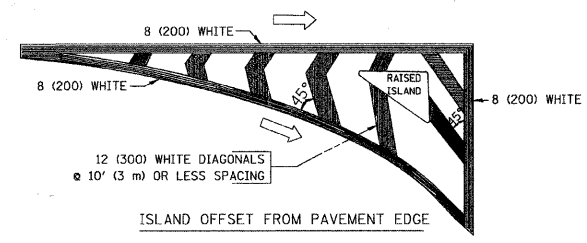


TYPICAL LEFT (OR RIGHT) TURN LANE



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

TYPICAL TURN LANE MARKING

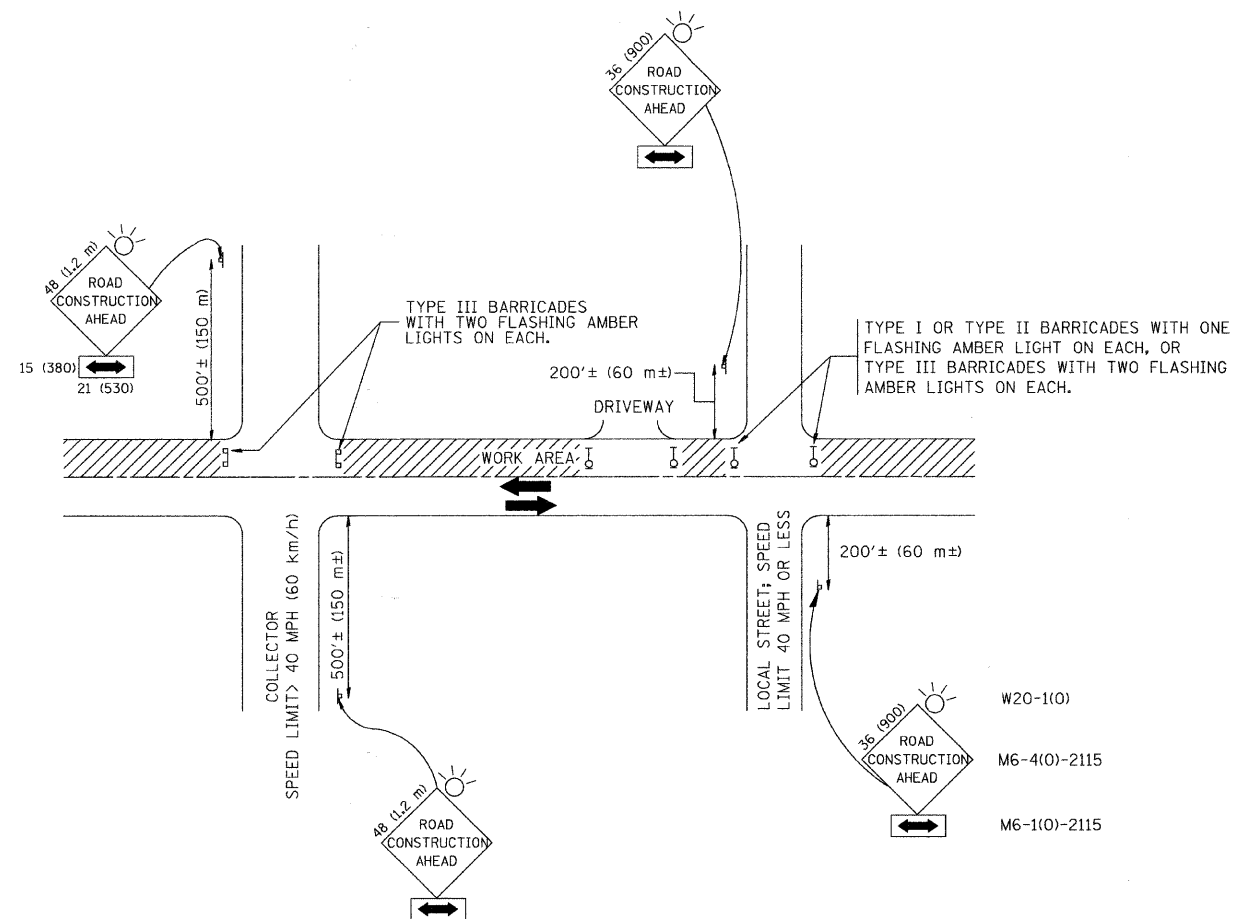


TYPICAL ISLAND MARKING

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 1/2 (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 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
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.

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



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

NOTES:

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

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

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

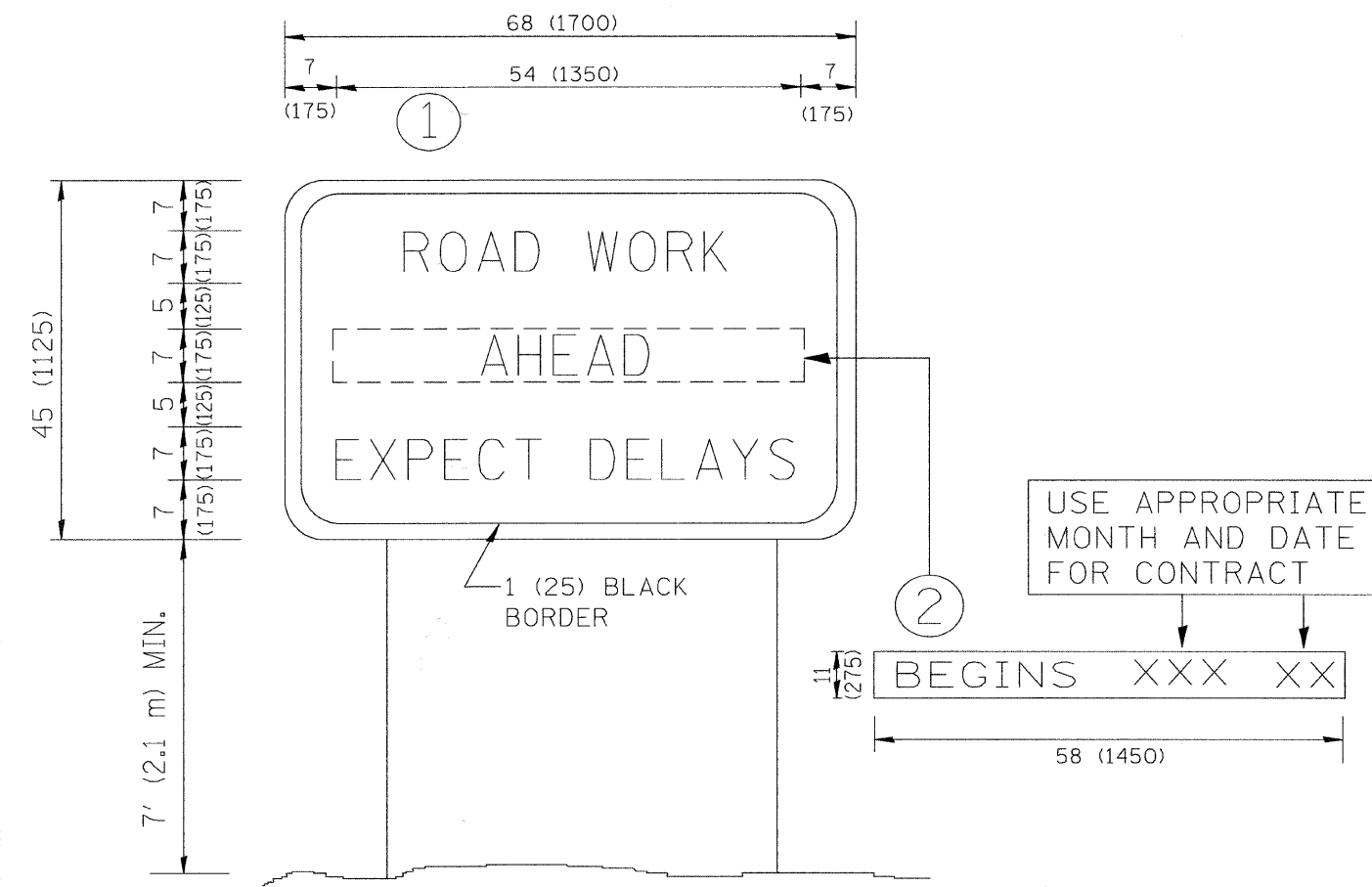
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		CHECKED --	REVISED -- A. HOUSEH 03-06-96
	PLOT SCALE = 50,000' / IN.	DRAWN --	REVISED -- A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	CHECKED -- 06-89	REVISED -- T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: SHEET NO. 23 OF 35 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2757/1537	09-00060-00-SW	COOK	35	23
TC-10			CONTRACT NO. 63228	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)				



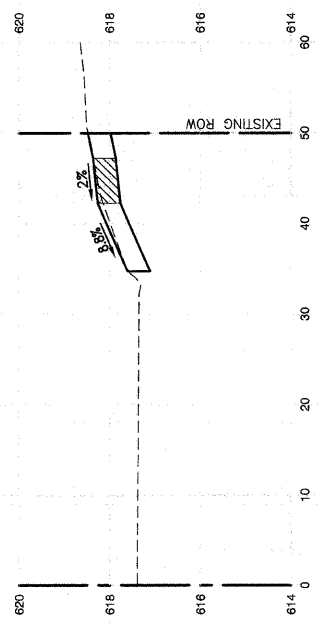
NOTES:

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

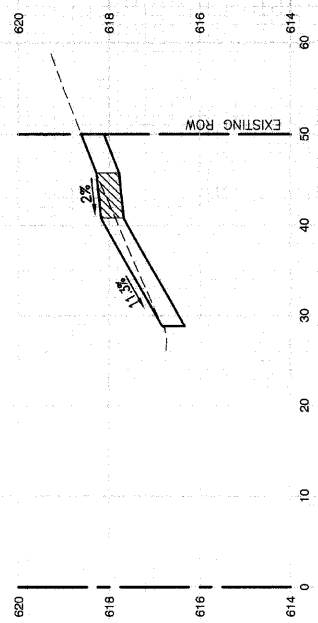
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT SCALE = 50.000 / IN.	DRAWN —	REVISED — T. RAMMACHER 02-02-11			TC-22		CONTRACT NO. 63228				
	PLOT DATE = 1/4/2008	CHECKED —	REVISED — C. JUCIUS 01-31-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)						
	SCALE: SHEET NO. 24 OF 35 SHEETS STA. TO STA.											

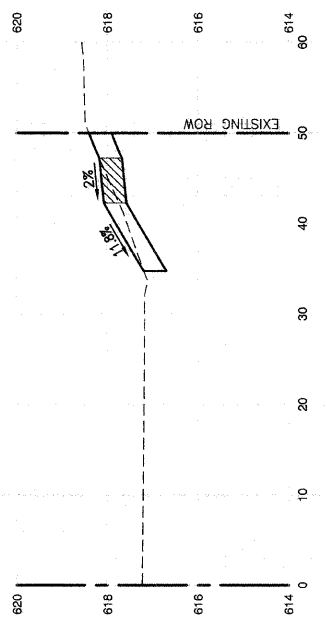
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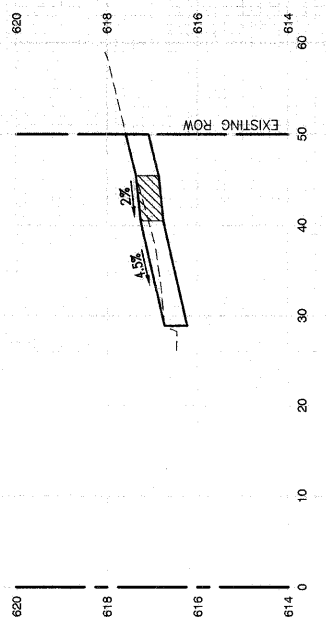
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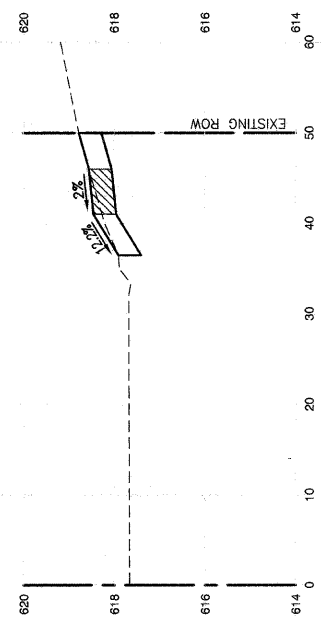
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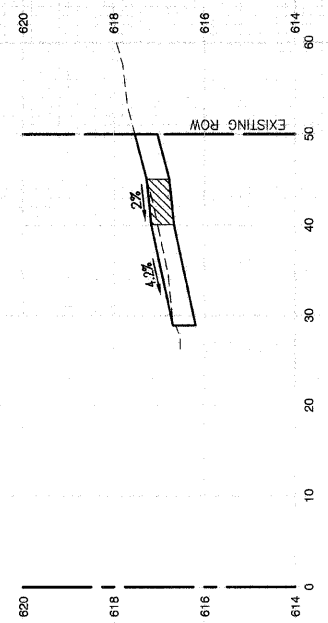
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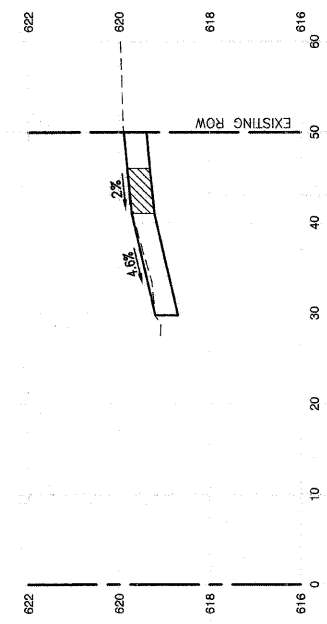
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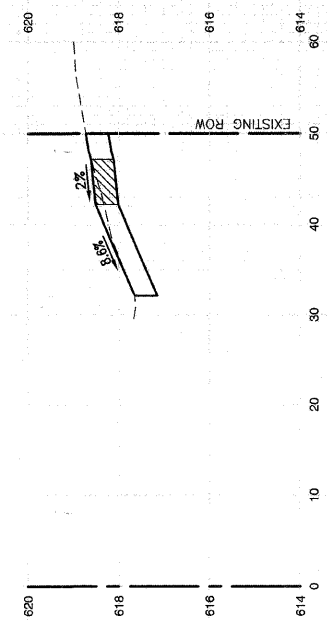
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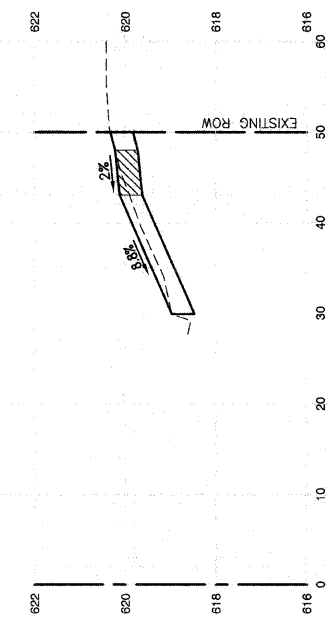
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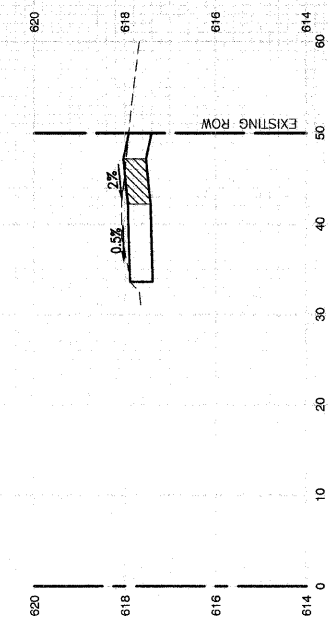
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4+12



31+21.50



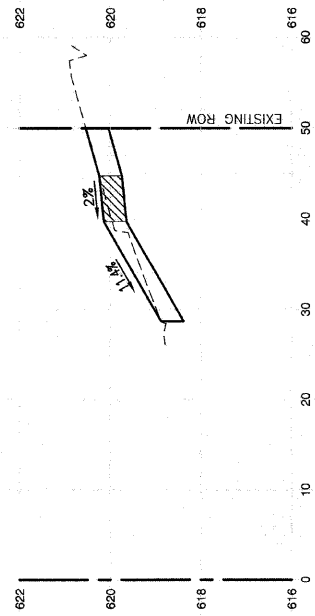
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	PLOT DATE = 08-20-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

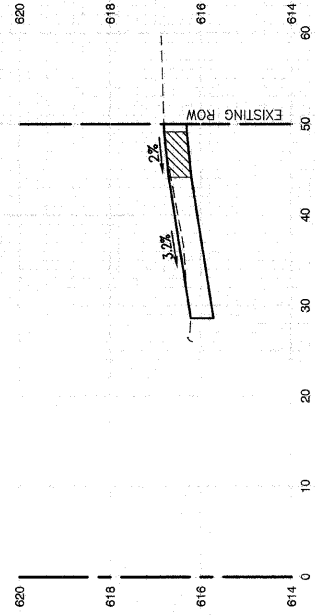
SIDEWALK IMPROVEMENTS CROSS SECTIONS AT DRIVEWAY LOCATIONS ROBERTS ROAD			
SCALE: H 1"=10' V 1"=2'	SHEET NO. 25	OF 35 SHEETS	STA. TO STA.

F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 25
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(325)		
CONTRACT NO. 63228				

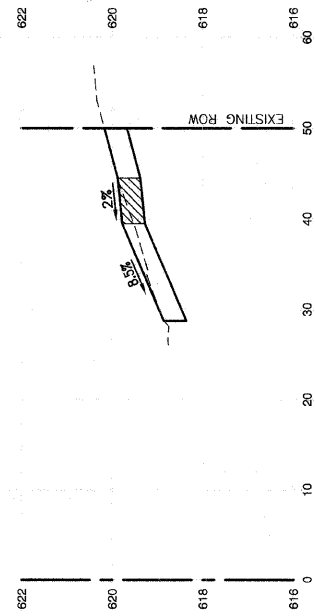
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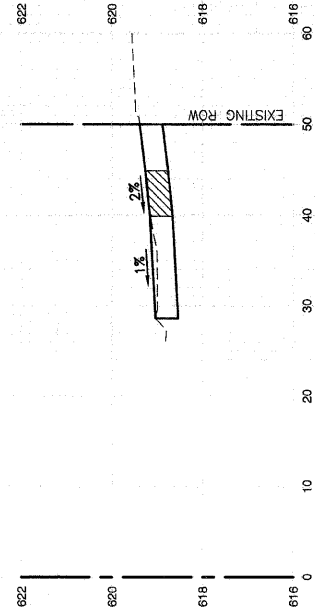
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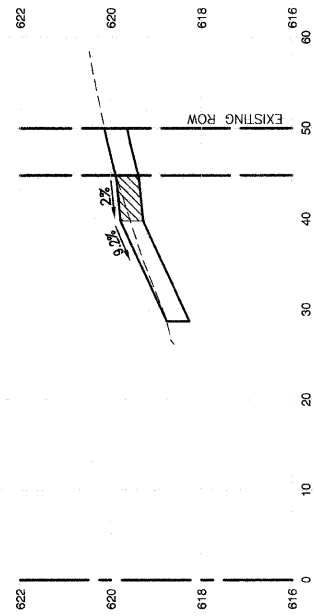
43+62.50



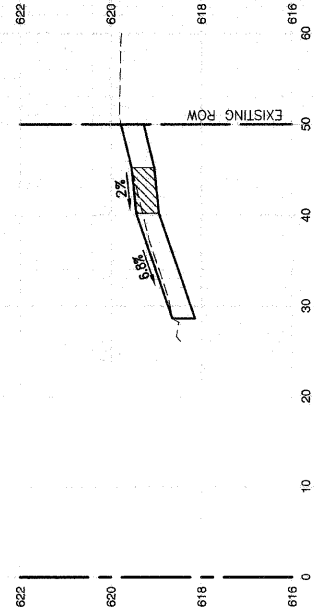
48+05



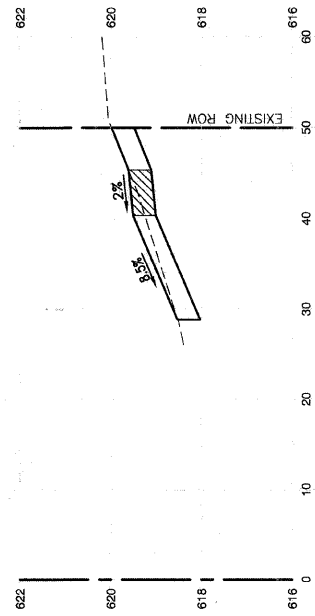
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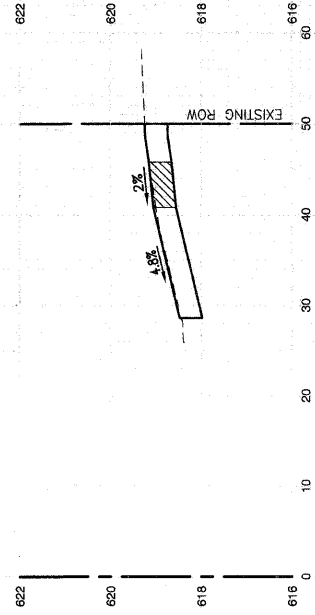
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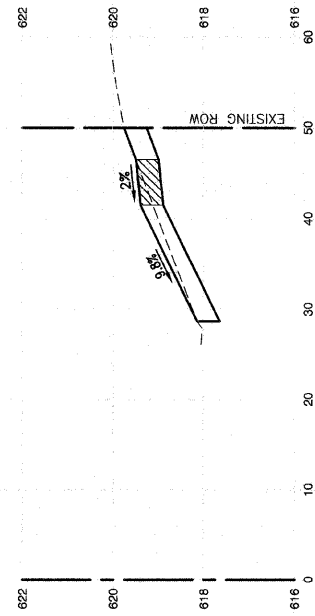
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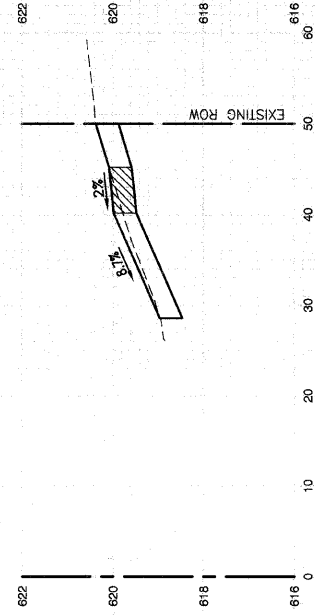
45+93.50



41+33



44+27



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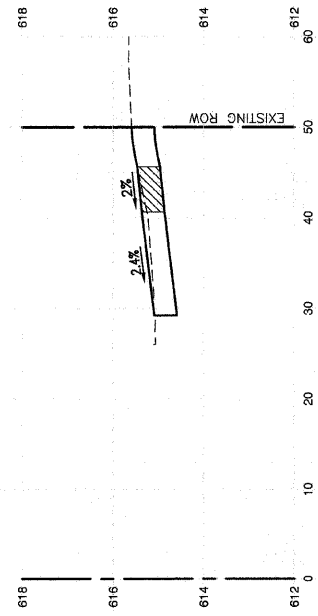
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PLOT DATE = 08-20-09	CHECKED - AG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

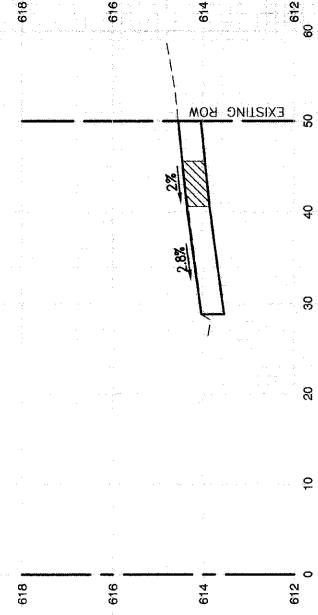
SIDWALK IMPROVEMENTS CROSS SECTIONS AT DRIVEWAY LOCATIONS ROBERTS ROAD		
SCALE: H 1"=10' V 1"=2'	SHEET NO. 26 OF 35 SHEETS	STA. TO STA.

F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 26
CONTRACT NO. 63228				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)				

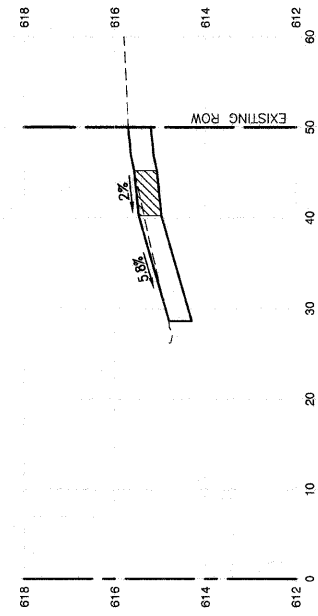
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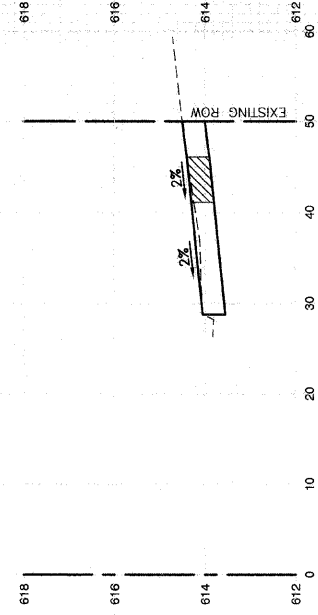
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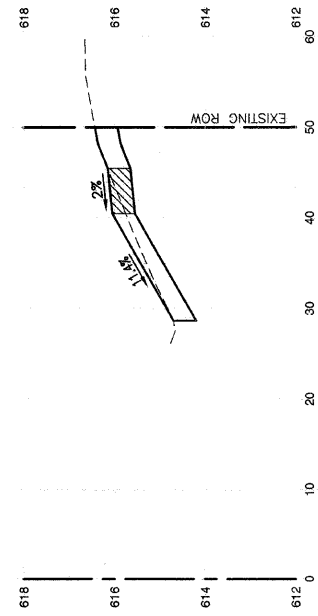
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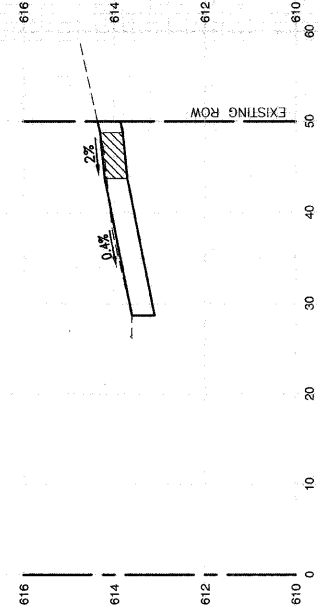
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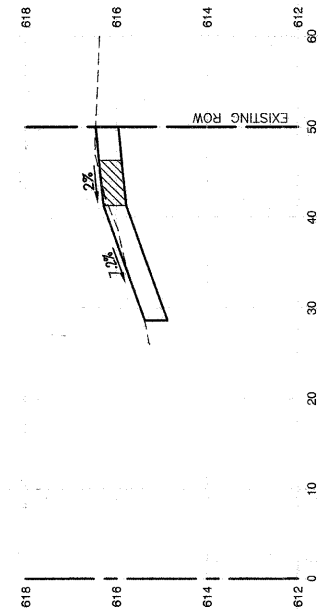
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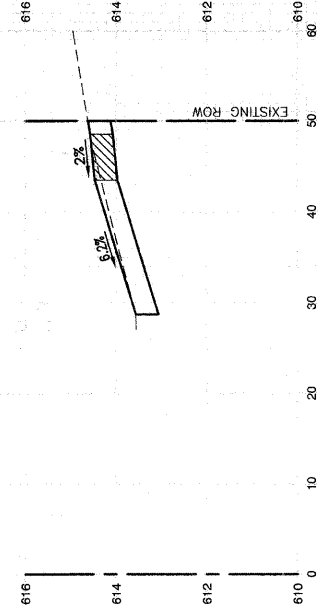
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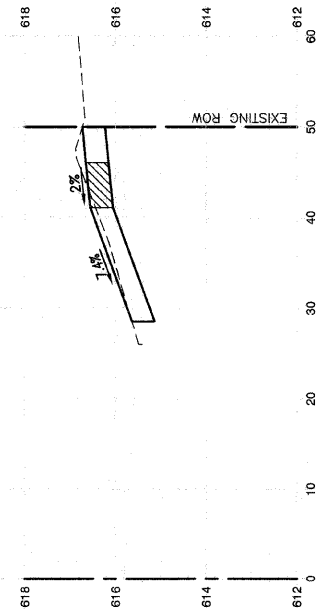
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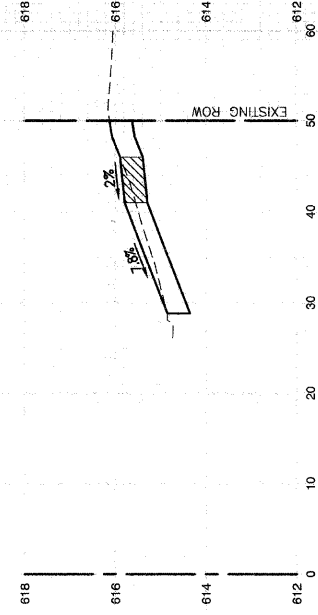
67+45.50



55+68.50



60+38.50



FILE NAME = 09291.XSEC 01 - X03	USER NAME =	DESIGNED -- RJW	REVISED --
		CHECKED -- RJW	REVISED --
	PLOT SCALE =	DRAWN -- PS	REVISED --
	PLOT DATE = 08-20-09	CHECKED -- AG	REVISED --

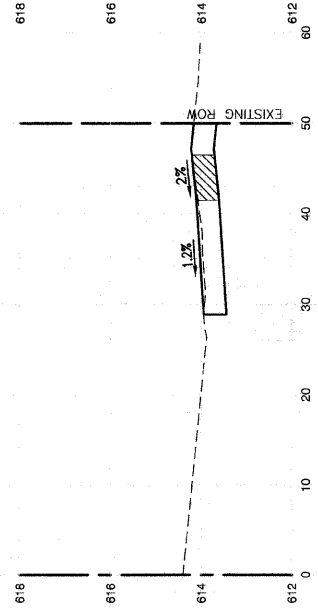
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDWALK IMPROVEMENTS
CROSS SECTIONS AT DRIVEWAY LOCATIONS
ROBERTS ROAD

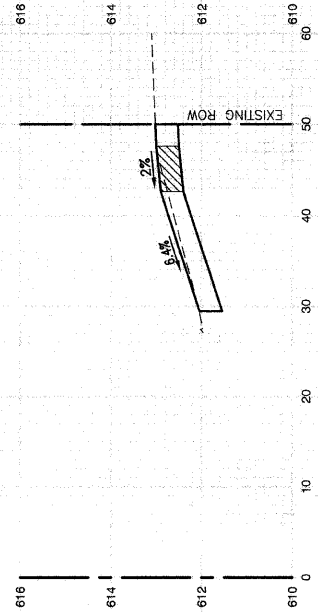
SCALE: H 1"=10' V 1"=2' SHEET NO. 27 OF 35 SHEETS STA. TO STA.

F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 27
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(325)		
CONTRACT NO. 63228				

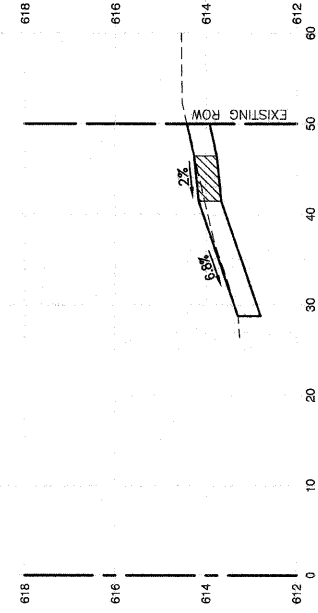
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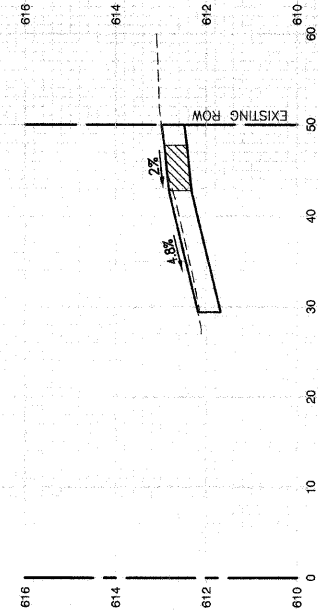
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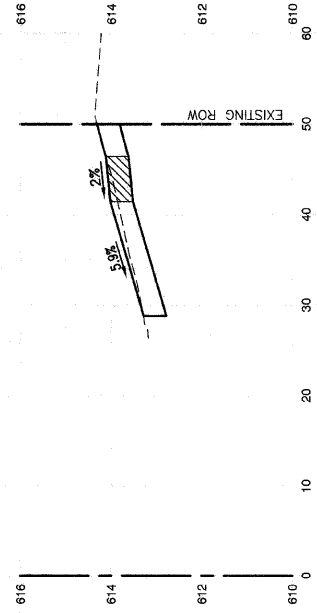
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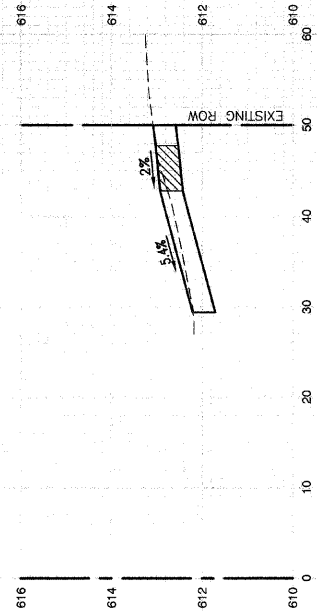
89+39.50



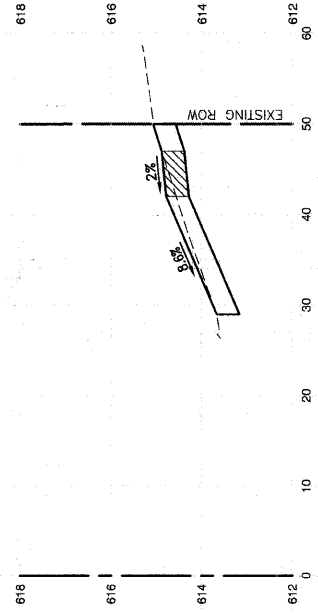
74+87



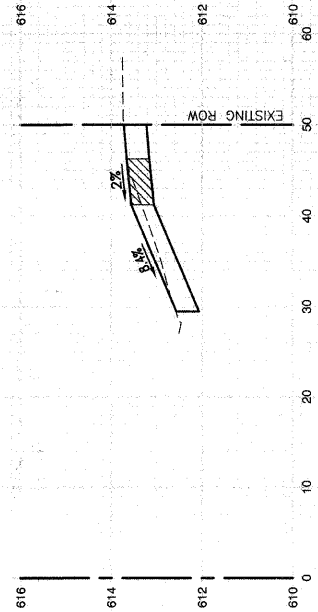
89+17



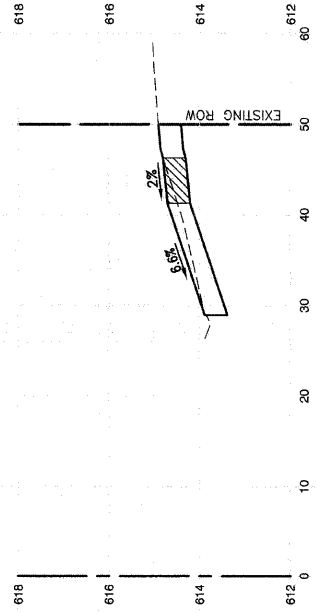
72+01



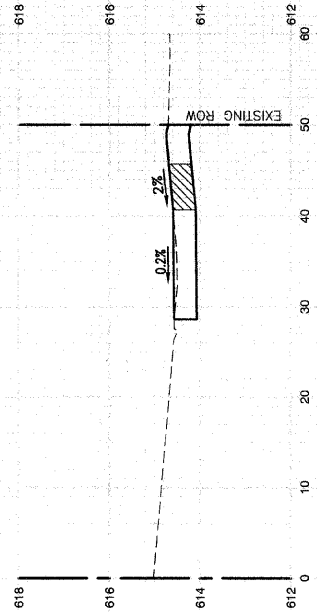
88+09



71+22.50



78+65



FILE NAME = 08291.XSEC-01 - X04

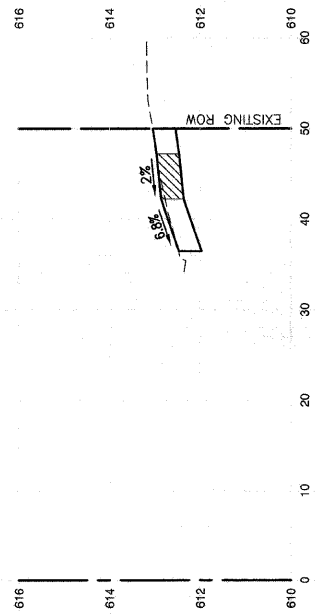
USER NAME =	DESIGNED -- RJW	REVISED --
	CHECKED -- RJW	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 08-20-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

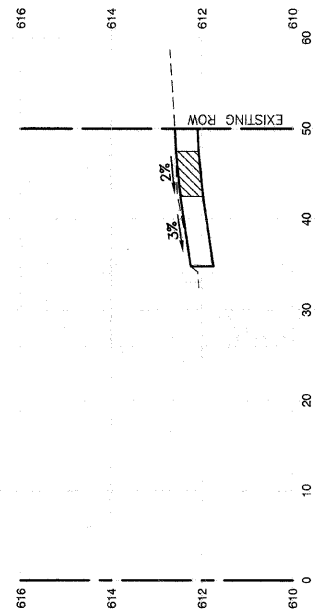
SIDWALK IMPROVEMENTS CROSS SECTIONS AT DRIVEWAY LOCATIONS ROBERTS ROAD			
SCALE: H 1"=10' V 1"=2'	SHEET NO. 28	OF 35 SHEETS	STA. TO STA.

F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 28
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(325)		
CONTRACT NO. 63228				

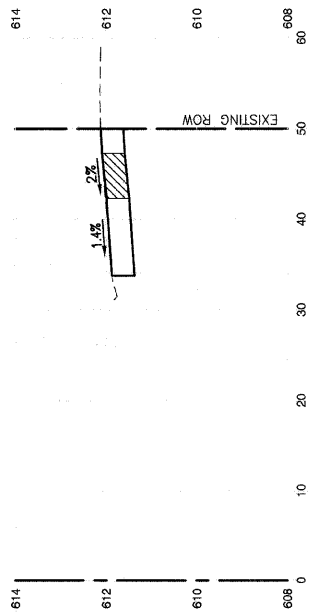
93+36



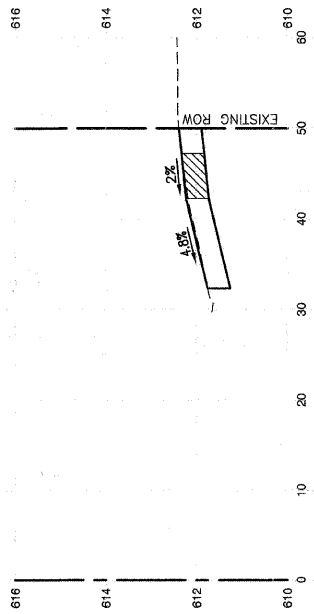
92+72.50



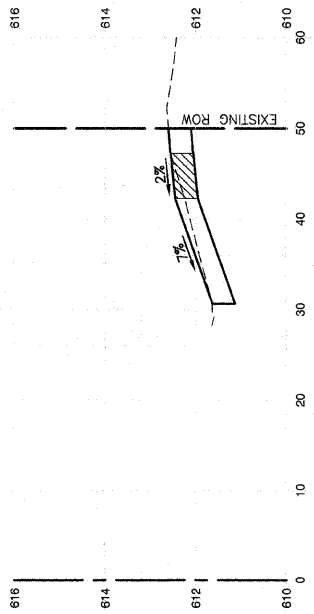
92+13.50



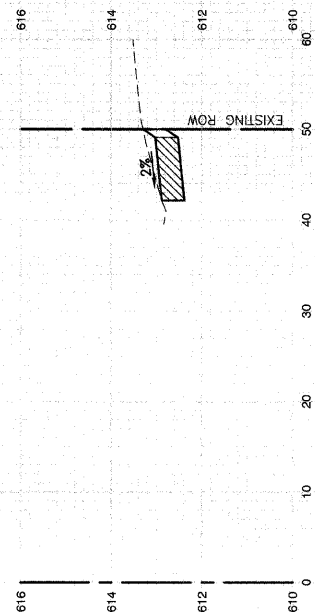
91+55.50



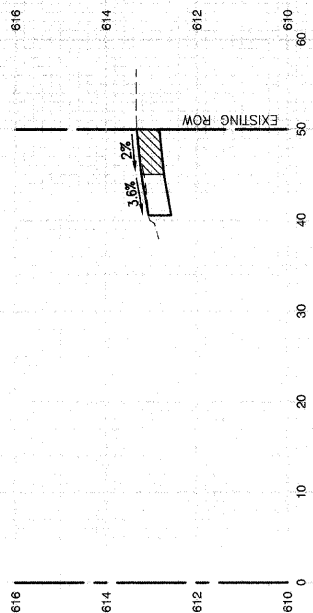
90+89



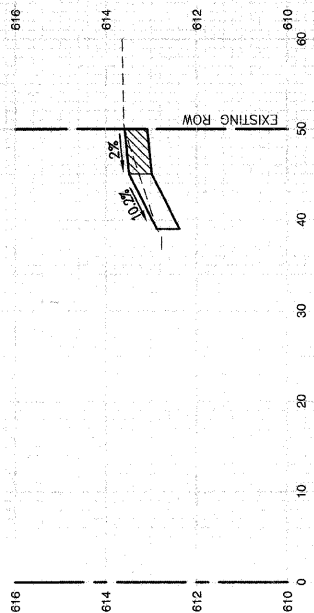
98+30.50



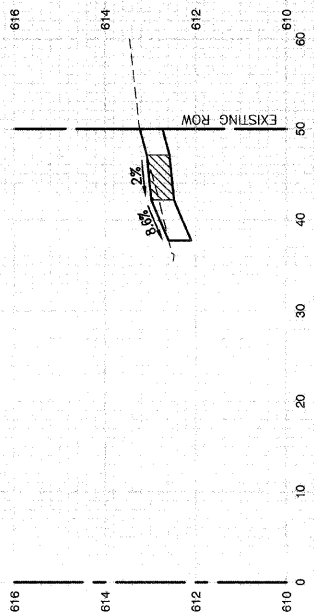
95+15



94+55

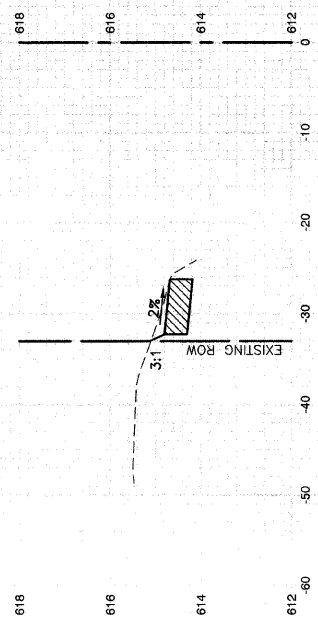


93+96

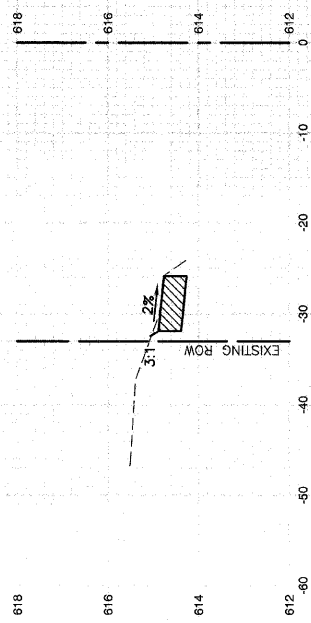


FILE NAME = 09291-XSEC-01 - X05	USER NAME =	DESIGNED -- RJW	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK IMPROVEMENTS CROSS SECTIONS AT DRIVEWAY LOCATIONS ROBERTS ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -- RJW	REVISED --				2757/1537	09-00060-00-SW	COOK	35	29
	PLOT DATE = 08-20-09	DRAWN -- PS	REVISED --				CONTRACT NO. 63228				
	CHECKED -- AG	REVISED --		SCALE: H 1"=10' V 1"=2'	SHEET NO. 29 OF 35 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)				

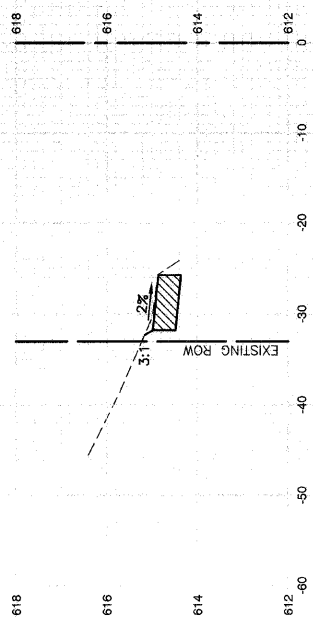
209+00



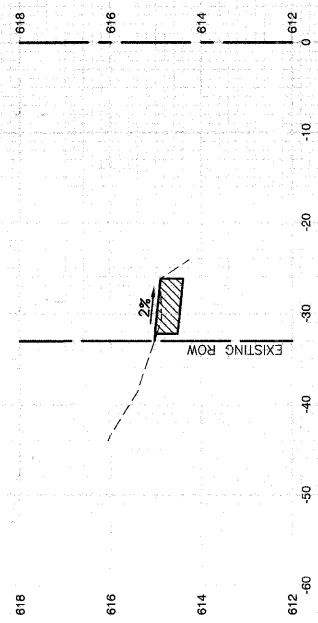
208+50



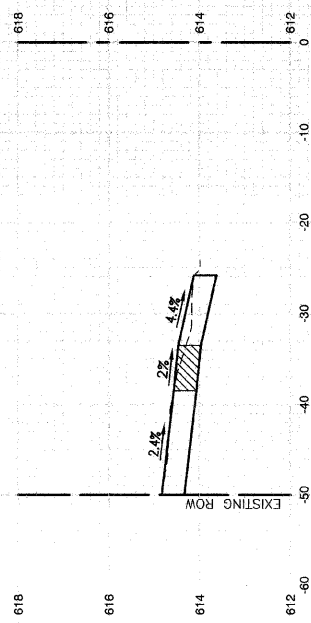
208+00



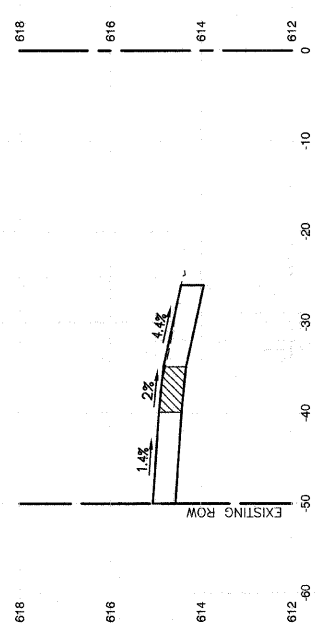
207+50



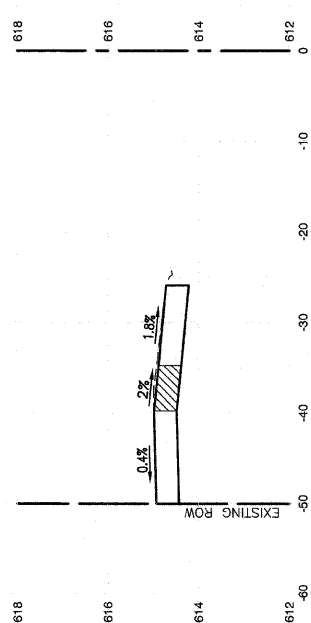
205+89.50



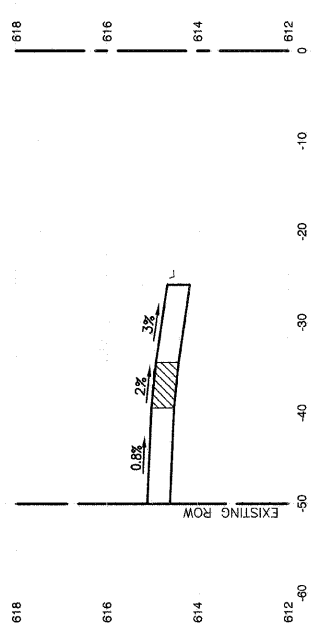
205+06.50



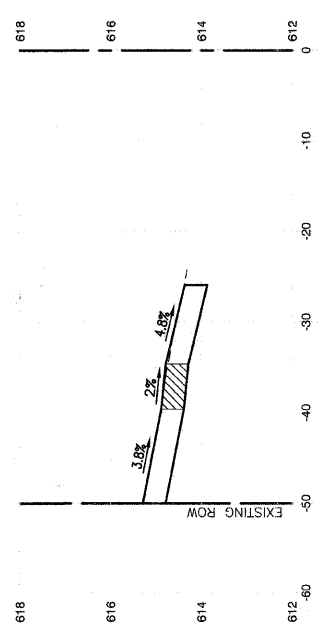
204+59



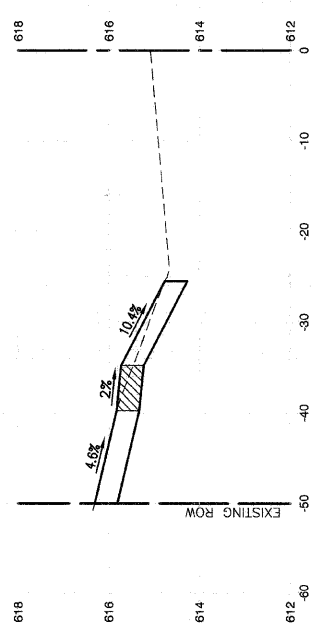
203+61.50



202+64



201+65



FILE NAME = 09291-XSEC-01 -X09

USER NAME =	DESIGNED -- RJW	REVISED --
	CHECKED -- RJW	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 08-20-09	CHECKED -- AG	REVISED --

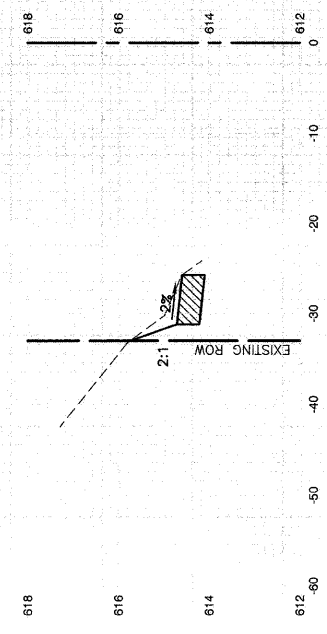
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK IMPROVEMENTS
CROSS SECTIONS
71ST STREET

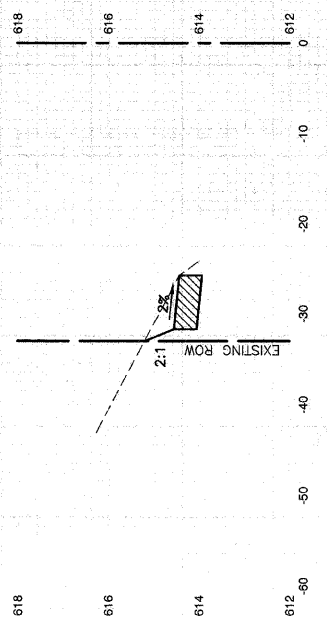
SCALE: H 1"=10' V 1"=2' SHEET NO. 30 OF 35 SHEETS STA. TO STA.

F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 30
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(325)		
CONTRACT NO. 63228				

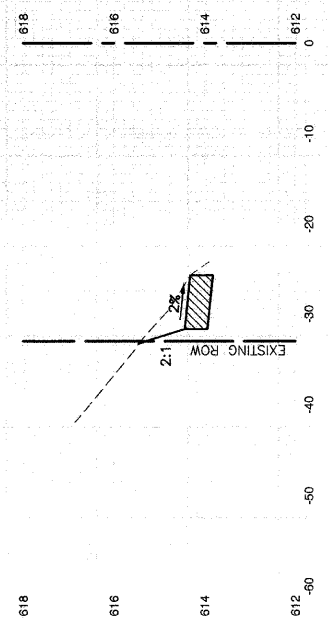
214+50



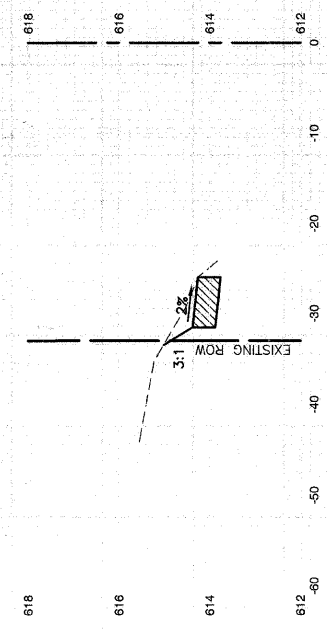
214+00



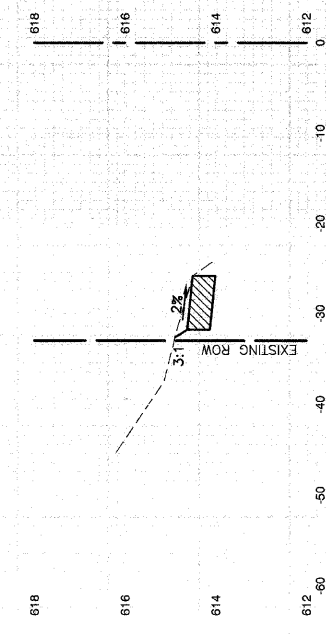
213+50



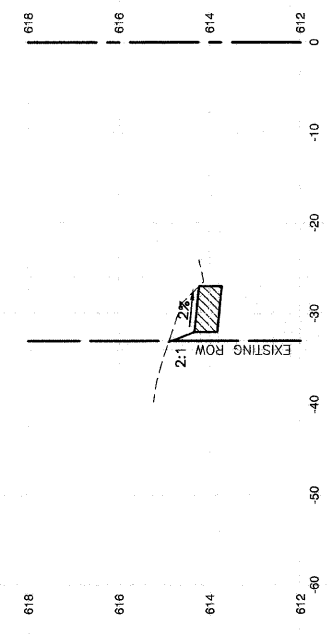
213+00



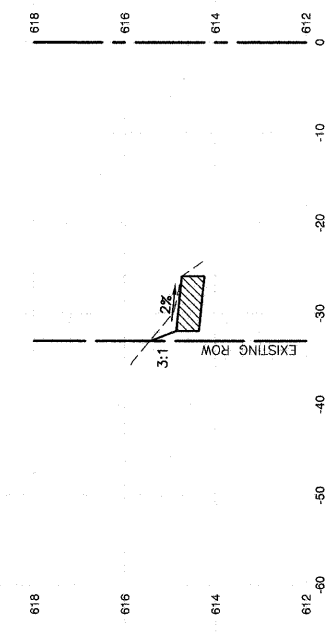
212+50



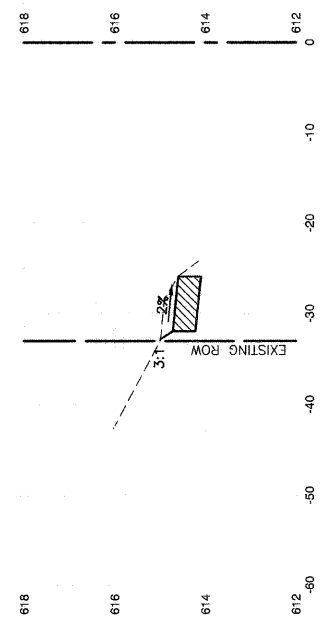
212+00



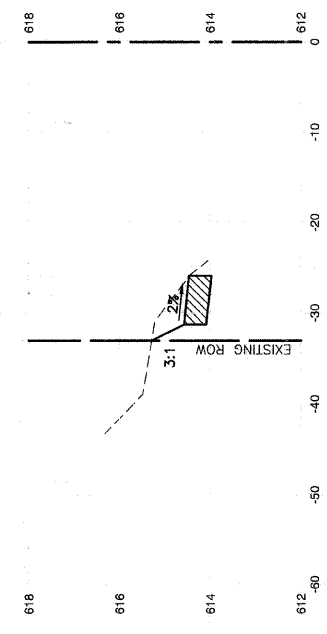
211+00



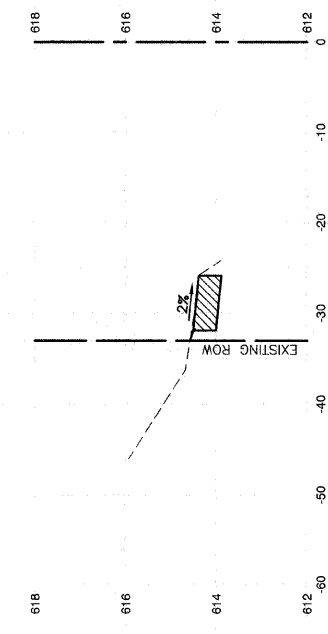
210+50



210+00



209+50

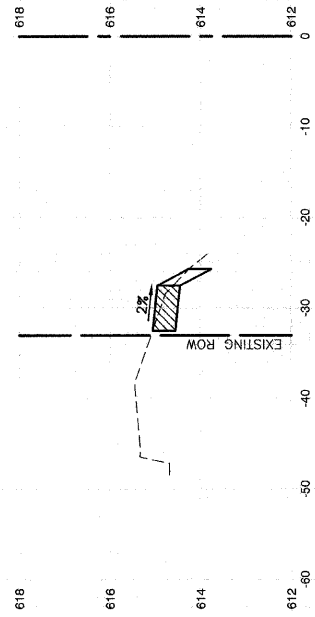


FILE NAME = 09291.XSEC 01 - X10	USER NAME =	DESIGNED -- RJW	REVISED --
		CHECKED -- RJW	REVISED --
	PLOT SCALE =	DRAWN -- PS	REVISED --
	PLOT DATE = 08-20-09	CHECKED -- AG	REVISED --

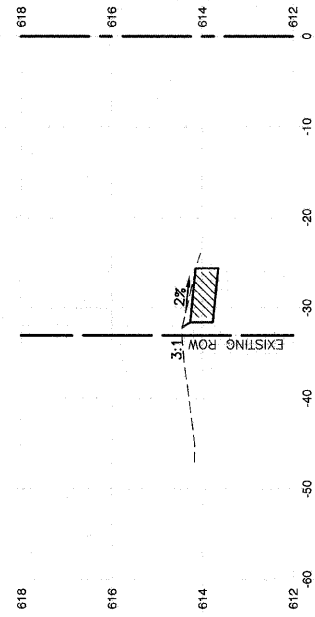
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK IMPROVEMENTS CROSS SECTIONS 71ST STREET		F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 31
SCALE: H 1"=10' V 1"=2'		SHEET NO. 31 OF 35 SHEETS		CONTRACT NO. 63228		
STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)				

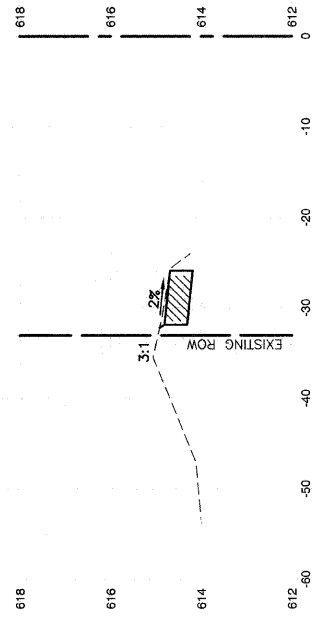
218+00



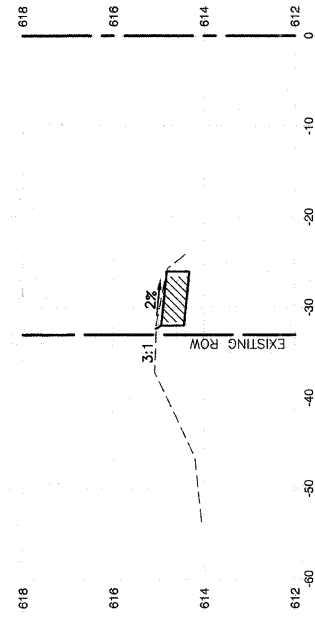
217+50



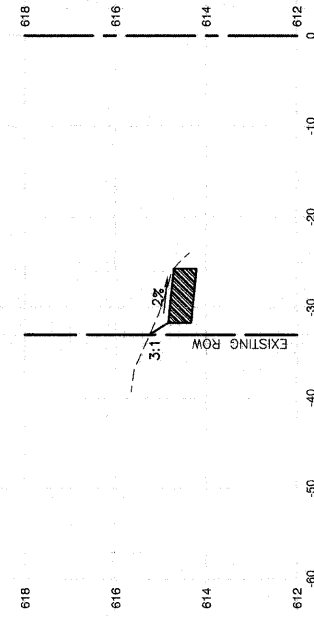
217+00



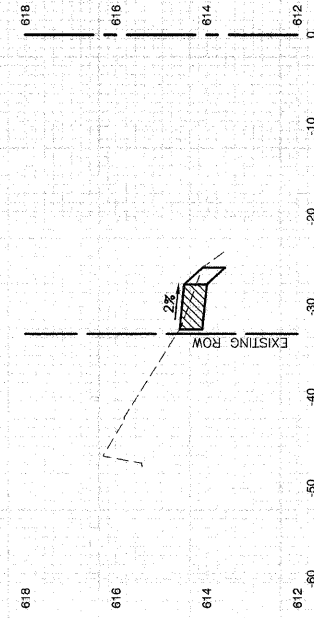
216+50



215+00



218+50



FILE NAME = 08291.XSEC-01 - X11

USER NAME =
 PLOT SCALE =
 PLOT DATE = 08-20-09

DESIGNED -- RJW
 CHECKED -- RJW
 DRAWN -- PS
 CHECKED -- AG

REVISED --
 REVISED --
 REVISED --
 REVISED --

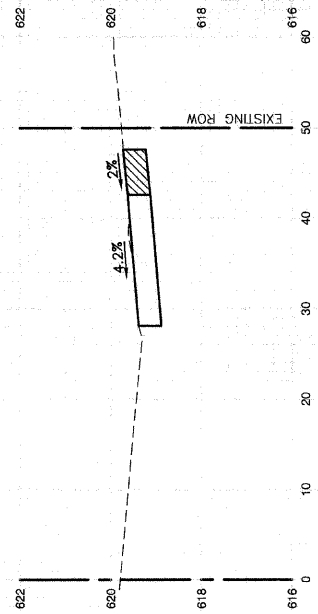
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK IMPROVEMENTS
 CROSS SECTIONS
 71ST STREET

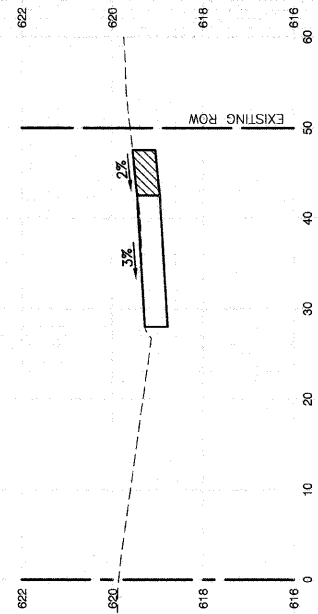
SCALE: H 1"=10' V 1"=2'
 SHEET NO. 32 OF 35 SHEETS
 STA. TO STA.

F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 32
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(325)		
CONTRACT NO. 63228				

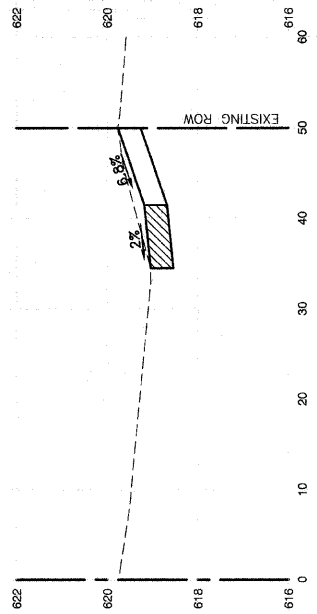
306+75



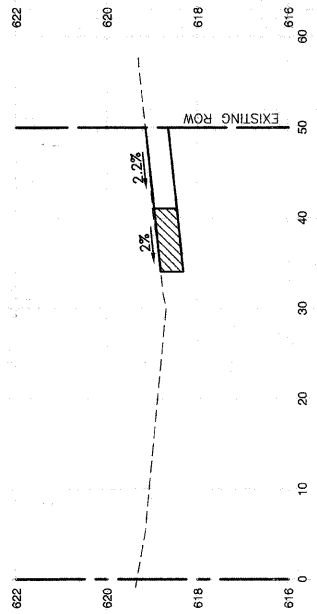
306+09.75



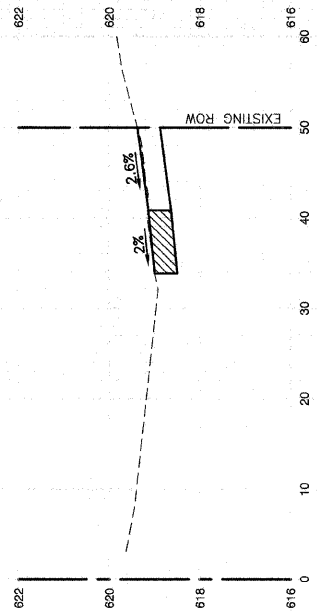
304+00



303+01.5



302+50



FILE NAME = 08291-XSEC-01 - X13

USER NAME =	DESIGNED - RJW	REVISED -
	CHECKED - RJW	REVISED -
PLOT SCALE =	DRAWN - PS	REVISED -
PLOT DATE = 08-20-09	CHECKED - AG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

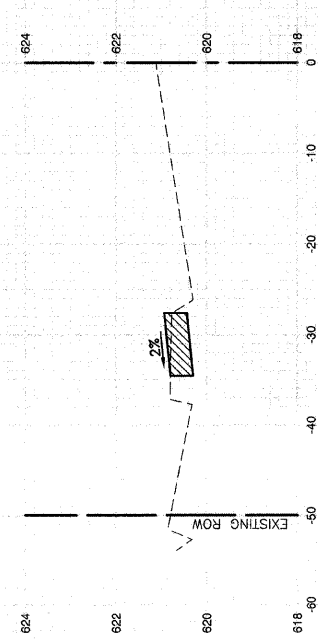
SIDEWALK IMPROVEMENTS
CROSS SECTIONS
79TH STREET

SCALE: H 1"=10' V 1"=2' SHEET NO. 33 OF 35 SHEETS STA. TO STA.

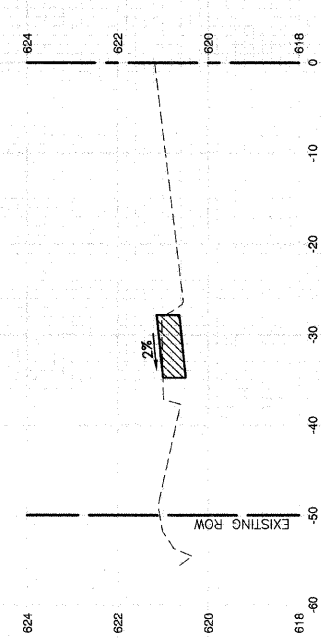
F.A.U. RTE. 275/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(325)				

CONTRACT NO. 63228

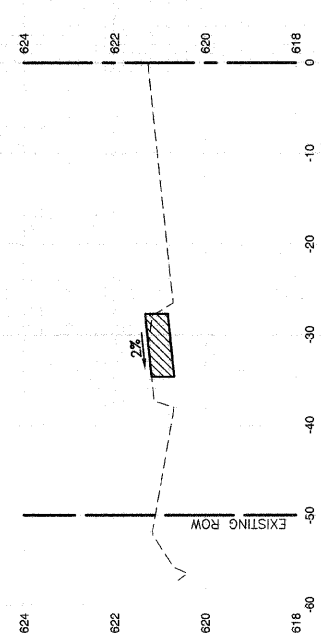
342+00



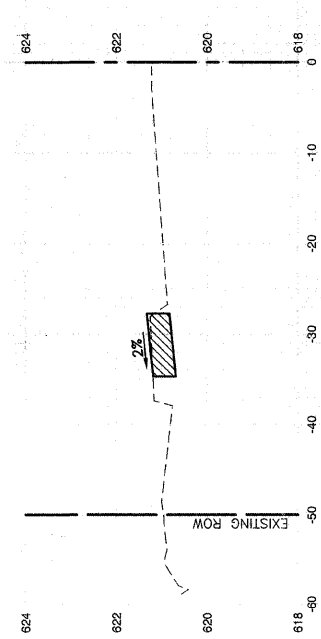
341+50



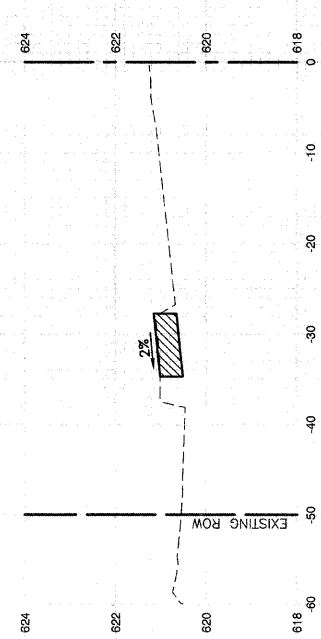
341+00



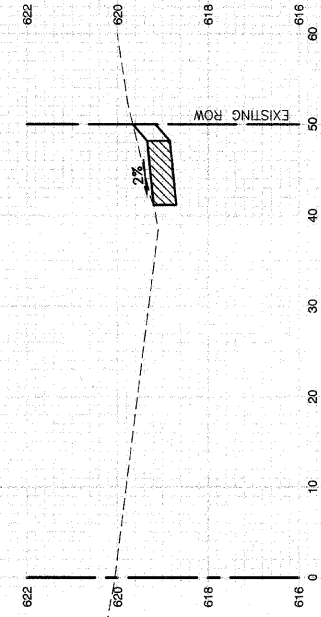
340+50



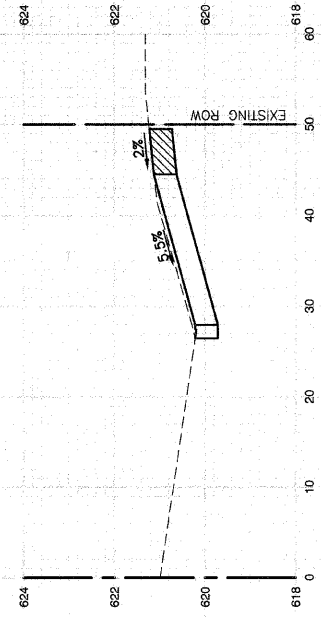
340+00



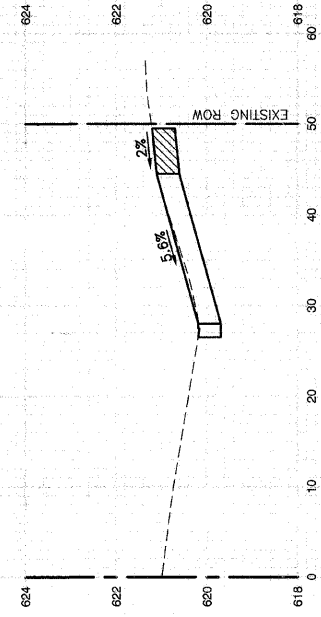
348+16.50



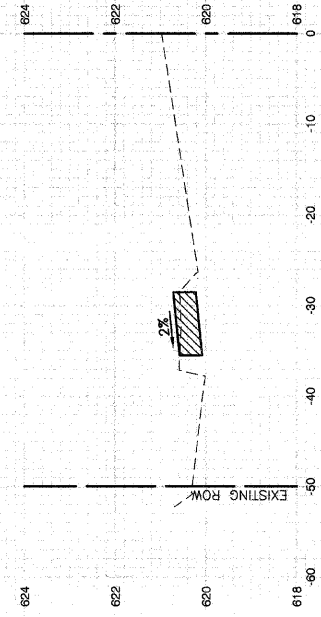
343+72.50



343+35



342+50



FILE NAME = 09291.XSEC-01 - X14

USER NAME =	DESIGNED -- RJW	REVISED --
	CHECKED -- RJW	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 08-20-09	CHECKED -- AG	REVISED --

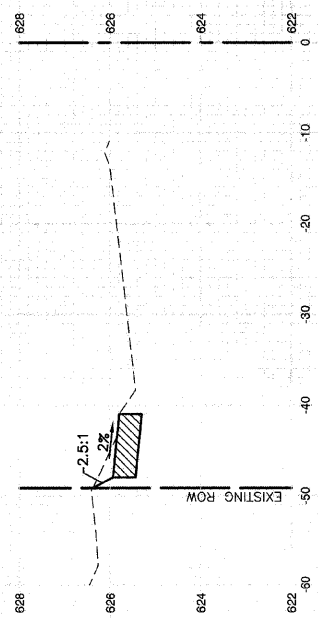
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDWALK IMPROVEMENTS
CROSS SECTIONS
79TH STREET

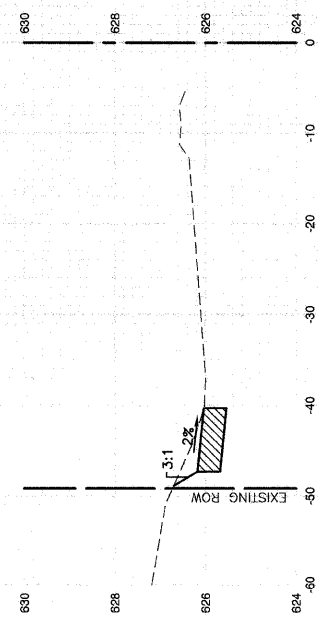
SCALE: H 1"=10' V 1"=2' SHEET NO. 34 OF 35 SHEETS STA. TO STA.

F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 34
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(325)		
CONTRACT NO. 63228				

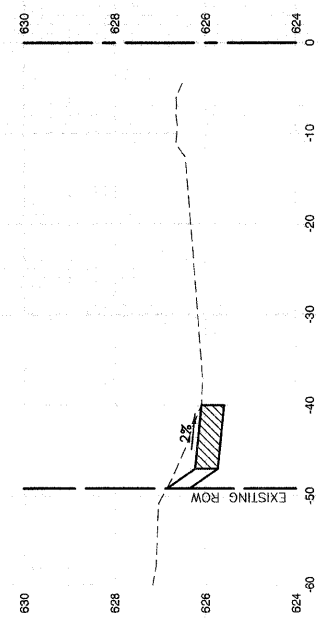
411+00



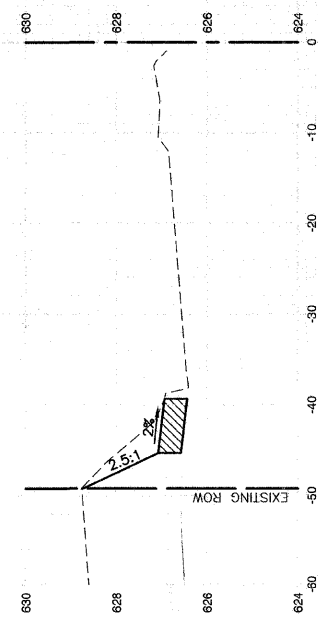
410+50



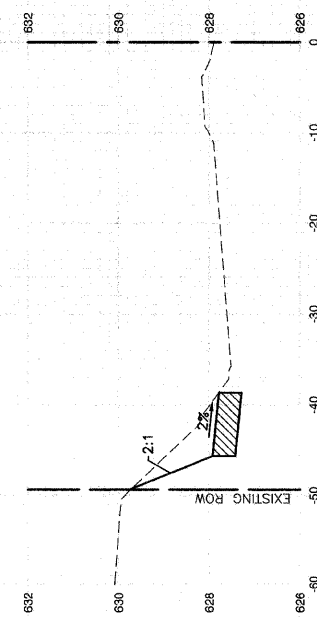
410+43.50



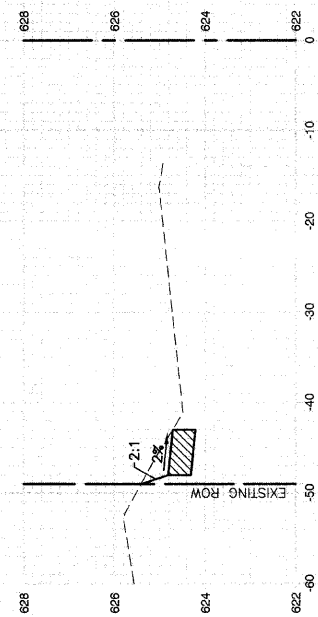
410+00



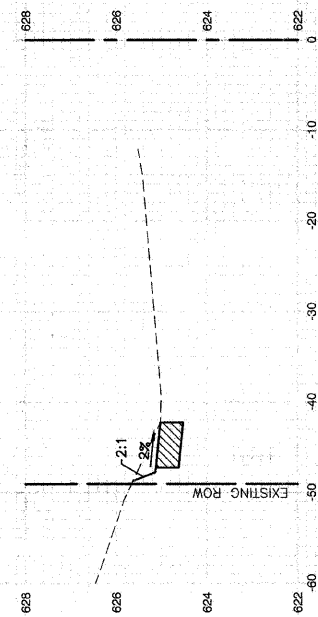
409+00



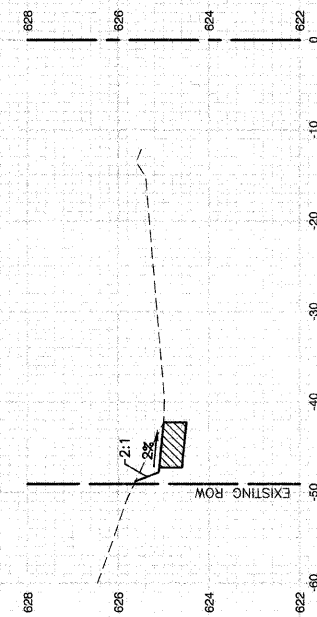
412+00



411+50



411+48



FILE NAME = 09291-XSEC-01 -X21

USER NAME =	DESIGNED -- RJW	REVISED --
	CHECKED -- RJW	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 08-20-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK IMPROVEMENTS
CROSS SECTIONS
87TH STREET

SCALE: H 1"=10' V 1"=2' SHEET NO. 35 OF 35 SHEETS STA. TO STA.

F.A.U. RTE. 2757/1537	SECTION 09-00060-00-SW	COUNTY COOK	TOTAL SHEETS 35	SHEET NO. 35
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(325)	
CONTRACT NO. 63228				