

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328	10-00040-00-PV	WILL	31	1
		ILLINOIS	CONTRACT NO. 63586	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL-AID HIGHWAY**

(FAU ROUTE 328) CEDARWOOD DRIVE
THEODORE ST. TO INGALLS AVE/129TH INFANTRY DRIVE
SECTION 10-00040-00-PV
PROJECT NO. M-9003(806)
ROADWAY RECONSTRUCTION
CITY OF CREST HILL
WILL COUNTY
C-91-474-11

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STANDARDS

SEE SHEET NO. 2

TRAFFIC DATA

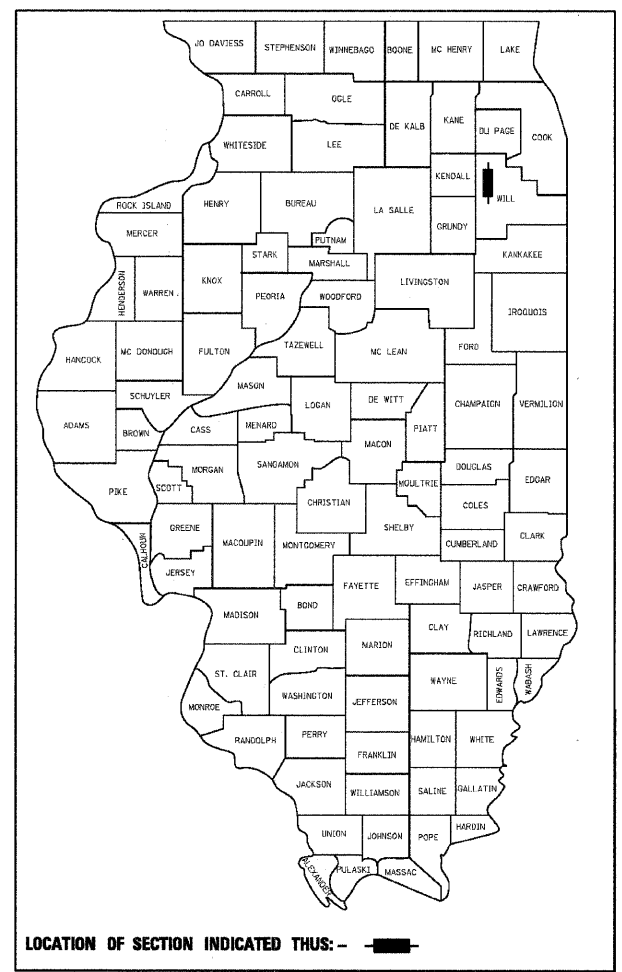
POSTED SPEED = 30 MPH
DESIGN SPEED = 30 MPH
ADT (2010) = 8,600
ADT (2030) = 10,000

PROJECT LOCATION

CITY OF CREST HILL
WILL COUNTY

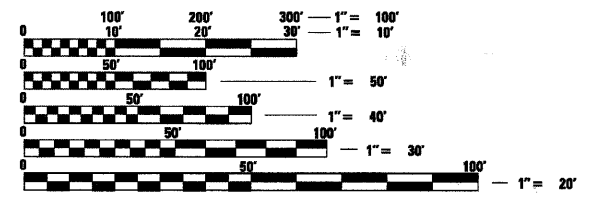
DESIGN DESIGNATION

COLLECTOR-URBAN



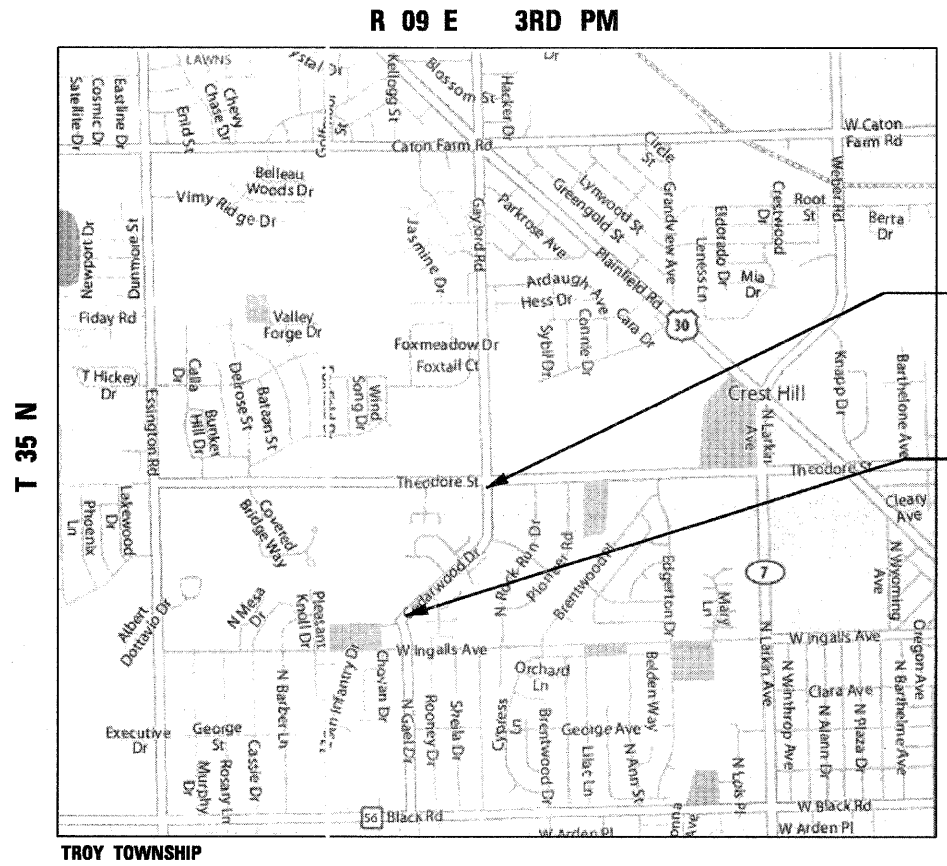
CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018 (847) 823-0500

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE
201 W. CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096
(847) 705-4406



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



**END IMPROVEMENTS
CEDARWOOD DRIVE
STA. 99 + 78.18**

**BEGIN IMPROVEMENTS
CEDARWOOD DRIVE
STA. 76 + 44.10**



March 24, 2011
KURTIS R. CORRIGAN
ILLINOIS REGISTRATION No. 062-05184 ENGINEER
EXPIRATION DATE: 11/30/2011
PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED _____ 20 _____
Ronald R. Adin
MAYOR
CITY OF CREST HILL

PASSED APRIL 11 2011
Charles F. Riddle
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR
BID BASED ON
LIMITED REVIEW APRIL 11, 2011
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS
REGION ONE ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

GROSS LENGTH = 2334.08 FT. (0.44 MILE)
NET LENGTH = 2334.08 FT. (0.44 MILE)

CONTRACT NO. 63586

GENERAL NOTES, INDEX OF SHEETS, AND HIGHWAY STANDARDS

EXCAVATION AND REMOVAL ITEMS

ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE OR LOCAL TIPPING FEES.

MISCELLANEOUS

ACCESS: THE CONTRACTOR SHALL PROVIDE ACCESS TO ADJACENT PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION. THE COST TO PROVIDE ACCESS SHALL BE INCIDENTAL TO THE CONTRACT.

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSION AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OF SURFACE COURSE, UNLESS OTHERWISE INDICATED.

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.)

RELOCATING EXISTING SIGNS: EXISTING SIGNS WHICH ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED AND REINSTALLED UPON COMPLETION OF CONFLICTING IMPROVEMENTS IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS". THIS WORK SHALL BE INCLUDED IN THE COST FOR PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH.

ANY EXISTING PAVEMENT DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION SHALL BE REPLACED/REPAIRED BY THE CONTRACTOR AT HIS/HERS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER WITH NO ADDITIONAL COMPENSATION TO THE CONTRACTOR.

ALL TRANSITIONS IN CURB HEIGHT SHALL OCCUR OVER 3 FEET ALONG CURB LINE. AT LOCATIONS WHERE CURB TERMINATES, THE LAST 1 FOOT SHALL BE DEPRESSED. DEPRESSED CURB SHALL ALSO BE AT LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

MAILBOXES

EXISTING MAIL BOXES THAT ARE IN CONFLICT WITH THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE TEMPORARILY RELOCATED DURING CONSTRUCTION AND PERMANENTLY RELOCATED WHEN THE PROPOSED IMPROVEMENTS ARE COMPLETED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, THE COST OF THIS WORK SHALL BE INCLUDED IN THE LUMP SUM UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

PAVEMENT MARKING

THE RESIDENT ENGINEER SHALL NOTIFY IDOT TWO WEEKS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS CONTACT CORA MATHIS (815) 485-6475.

PAVEMENT MILLING

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL BY THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).

SAWCUTTING

ALL SAWCUTTING SHALL BE INCLUDED IN THE UNIT COST OF REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE CITY, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED, AND SHALL BE AS INDICATED ON THE PLANS. ELEVATIONS SHOWN AT POINT OF CURVE, ETC. IS EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, ETC. ARE FROM THE PROPOSED BASE LINE OF CONSTRUCTION. FOR STRUCTURES IN THE CURB LINE, THE OFFSET REFERENCES THE EDGE OF PAVEMENT. ALL OTHER STRUCTURES ARE TO THE CENTER OF STRUCTURE.

STORM SEWER

WHENEVER, DURING CONSTRUCTION, OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO THE CONTRACT.

ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.

DRAINAGE STRUCTURE OFFSETS AS SHOWN ON THE PLANS ARE GIVEN TO THE FOLLOWING POINTS: (A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT; (B) FOR ALL OTHER STRUCTURES - TO THE CENTER OF STRUCTURE.

TOP-OF-FRAME ELEVATIONS SHOWN ON THE PLANS FOR DRAINAGE STRUCTURES IN THE CURB LINE ARE EDGE-OF-PAVEMENT ELEVATIONS.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT, OR RECONSTRUCTION COST.

WHEN EXISTING DRAINAGE OR SEWERAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PUBLIC OR PRIVATE DRAINS, SEWERS, OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE ALL STORM WATER WHICH WOULD BE RECEIVED BY THESE FACILITIES AND DISCHARGE SAME. HE SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME THAT PERMANENT CONNECTIONS WITH SEWERS ARE CONSTRUCTED AND IN SERVICE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWERS HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS.

TRAFFIC CONTROL

REMOVAL OF EXISTING REGULATORY, WARNING, AND/OR TRAFFIC SIGNS WHICH INTERFERE WITH CONSTRUCTION AND/OR CONFLICT WITH CONSTRUCTION TRAFFIC PATTERNS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE LUMP SUM CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

UTILITIES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND ALL LOCAL AGENCIES.

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

GENERAL NOTES

THE CITY OF CREST HILL SHALL BE NOTIFIED IN WRITING AT LEAST (3) FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONTACT JOHN TOMASOSKI 1610 PLAINFIELD RD., CITY OF CREST HILL, IL 60403, (815) 711-5100.

BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LINE AND GRADES SHOWN ON THE CONTRACT DRAWINGS. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY REPORT SAME TO THE OWNER PRIOR TO PERFORMING WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK AS REQUIRED.

THE CONTRACT DOCUMENTS ARE NOT INTENDED TO SHOW EVERY AND ALL DETAILS OF WORK TO BE PERFORMED OR EQUIPMENT TO BE SUPPLIED. THE INTENT OF THE CONTRACT DOCUMENTS IS TO ILLUSTRATE THE CONCEPTUAL DESIGN AND LAYOUT. THE CONTRACTOR SHALL BE KNOWLEDGEABLE AND REGULARLY ENGAGED IN THE TYPE OF WORK DESCRIBED BY THESE CONTRACT DOCUMENTS, AND SHALL BE RESPONSIBLE FOR UNDERSTANDING THEIR INTENT. ANY WORK TO BE PERFORMED OR ITEM OF EQUIPMENT TO BE SUPPLIED WHICH IS NOT SPECIFICALLY CALLED FOR BY THESE CONTRACT DOCUMENTS BUT WHICH IS NECESSARY TO PROVIDE A COMPLETE AND SUCCESSFUL WORKING SYSTEM SHALL BE INCLUDED IN THE CONTRACTOR'S SCOPE OF WORK AT NO ADDITIONAL COST.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL MATERIAL QUANTITIES AND APPRAISE HIMSELF/HERSELF OF ALL CONDITIONS. THE CONTRACT PRICE SUBMITTED BY THE CONTRACTOR SHALL BE CONSIDERED AS THE TOTAL COST FOR THE COMPLETE PROJECT. NO CLAIMS FOR EXTRA WORK WILL BE RECOGNIZED DUE TO THE CONTRACTOR'S FAILURE TO UNDERSTAND THE SCOPE OF WORK.

ORIENTATION OF PIPING, CONDUITS, EQUIPMENT, ETC. MAY VARY. CONTRACTOR TO COORDINATE SAME WITH THE ENGINEER.

ANY AND ALL DEWATERING REQUIRED TO KEEP EXCAVATIONS DRY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SOIL EROSION PROTECTION SHALL BE IN ACCORDANCE WITH IEPA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. ALL DISTURBED AREAS (NOT IMPERVIOUS IN NATURE) SHALL BE FINE GRADED, TOP SOIL RESTORED (MIN 4 INCHES) AND SEED/MULCH APPLIED UNLESS OTHERWISE SPECIFIED ON THE PLANS.

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES
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7-8	MAINTENANCE OF TRAFFIC
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17	SIDEWALK PROFILE
18-19	PAVEMENT MARKING PLAN
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29-31B	IDOT DISTRICT 1 DETAILS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602001-02	CATCH BASIN TYPE A
602301-03	INLET - TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604056-03	FRAME AND GRATE TYPE 11V
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-04	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
BLR 18-5	TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE

IDOT DISTRICT 1 DETAILS:

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (4.5M)
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS

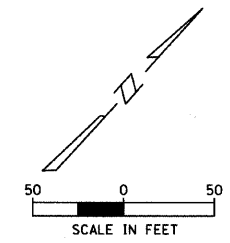
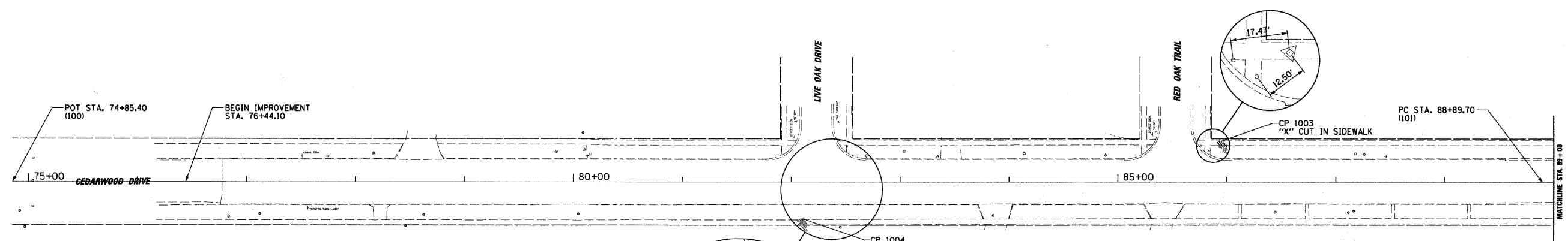
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PLOT SCALE = 1"		CHECKED -	REVISED -			CONTRACT NO. 63586				
PLOT DATE = 4/8/2011		DATE -	REVISED -			SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

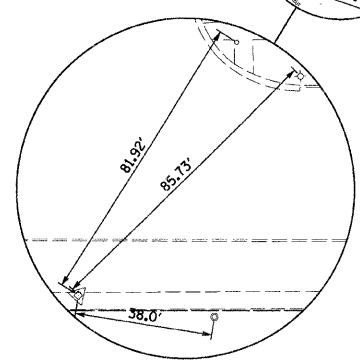
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20200100	EARTH EXCAVATION	CU YD	610
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	350
20800150	TRENCH BACKFILL	CU YD	135
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1000
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5850
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	110
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	110
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	110
25200110	SODDING, SALT TOLERANT	SQ YD	5850
25200200	SUPPLEMENTAL WATERING	UNIT	100
28000400	PERIMETER EROSION BARRIER	FOOT	4150
28000510	INLET FILTERS	EACH	7
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	525
35800100	PREPARATION OF BASE	SQ YD	10300
35800200	AGGREGATE BASE READY AIR	TON	500
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1030
40600300	AGGREGATE (PRIME COAT)	TON	25
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	10
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	20
40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	10300
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	475
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4350
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	300
42400800	DETECTABLE WARNING ISLANDS	SQ FT	112
44000100	PAVEMENT REMOVAL	SQ YD	10300
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	145
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	475
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4500
44000600	SIDEWALK REMOVAL	SQ FT	750
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	731
60201110	CATCH BASINS, TYPE 1, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	4
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	3
60255500	MANHOLES TO BE ADJUSTED	EACH	2
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	3
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4500
67100100	MOBILIZATION	L SUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12
# 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	380
# 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5165
# 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	20
# 78000850	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	30
78300100	PAVEMENT MARKING REMOVAL	SQ FT	60
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	11
X4023000	TEMPORARY ACCESS (ROAD)	EACH	5
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	350
A Z0076600	TRAINEES	hour	500

* DENOTE SPECIAL PROVISION
DENOTES SPECIAL ITEM
Δ CONSTRUCTION CODE TYPE 0042

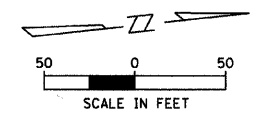
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PLOT SCALE = 1"	CHECKED -	REVISED -	SCALE:			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 63586				
PLOT DATE = 4/8/2011	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									



ELEVATION BENCHMARKS DATUM: NAVD '88		
NO.	DESCRIPTION	ELEV.
MON 706	WILL COUNTY GPS MONUMENT #706 AT THE SOUTHEAST CORNER OF GAYLORD RD. - CEDARWOOD DR. & THEODORE ST.	587.02
OSBM 1	SQUARE CUT ON SOUTHEAST CORNER OF TRAFFIC CONTROL BOX AT SOUTHWEST CORNER OF CEDARWOOD DR. & THEODORE ST.	586.94
OSBM 2	NORTHEAST CORNER OF CONC. PAD FOR ELECTRIC TRANSFORMER ON WEST SIDE OF CEDARWOOD DR. AT E OF BICENTENNIAL DR.	620.08
OSBM 3	NORTHEAST CORNER OF CONC. STOOP OF 2451 RED OAK TRAIL AT SOUTHWEST CORNER WITH CEDARWOOD DR.	624.36

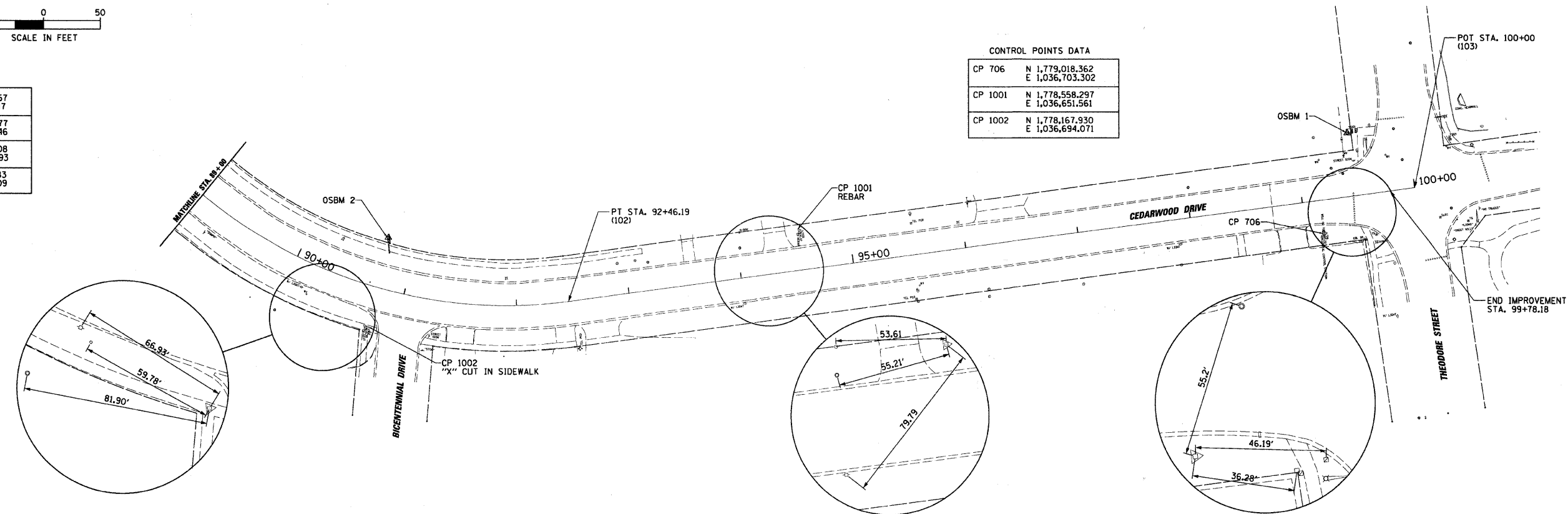


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CP 1004	N 1,777,543.489 E 1,036,076.293



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PC. 101	N 1,778,030.377 E 1,036,555.346
PT. 102	N 1,778,348.508 E 1,036,690.693
POT. 103	N 1,779,102.083 E 1,036,671.609

CONTROL POINTS DATA	
CP 706	N 1,779,018.362 E 1,036,703.302
CP 1001	N 1,778,558.297 E 1,036,651.561
CP 1002	N 1,778,167.930 E 1,036,694.071



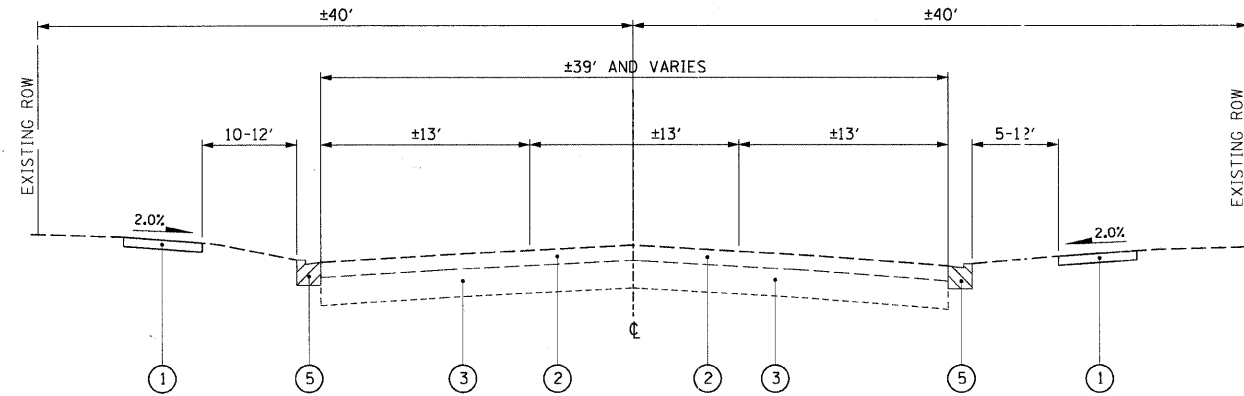
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

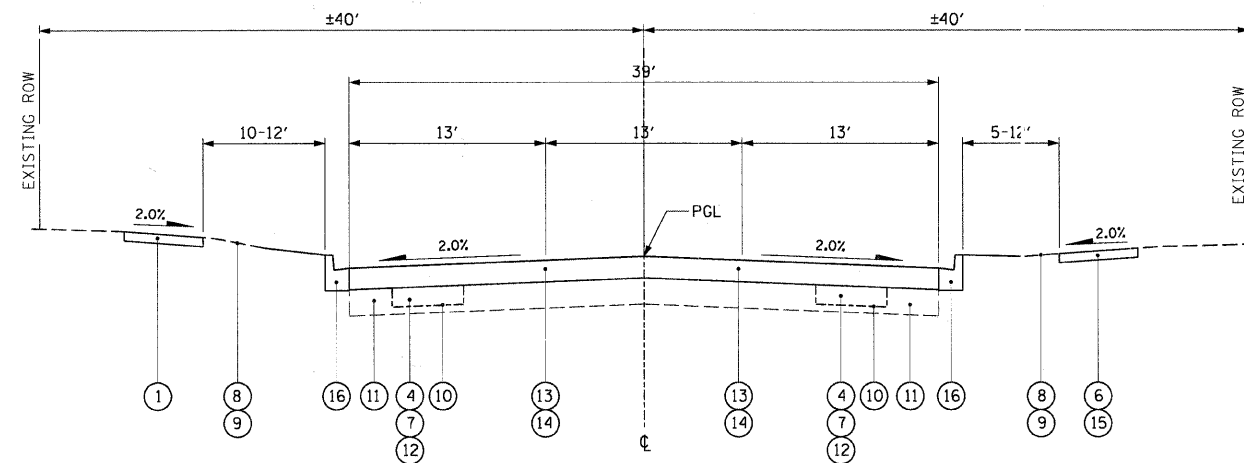
**ALIGNMENTS, TIES, AND BENCHMARKS
CEDARWOOD DRIVE, CREST HILL**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. 76+00 TO STA. 100+00

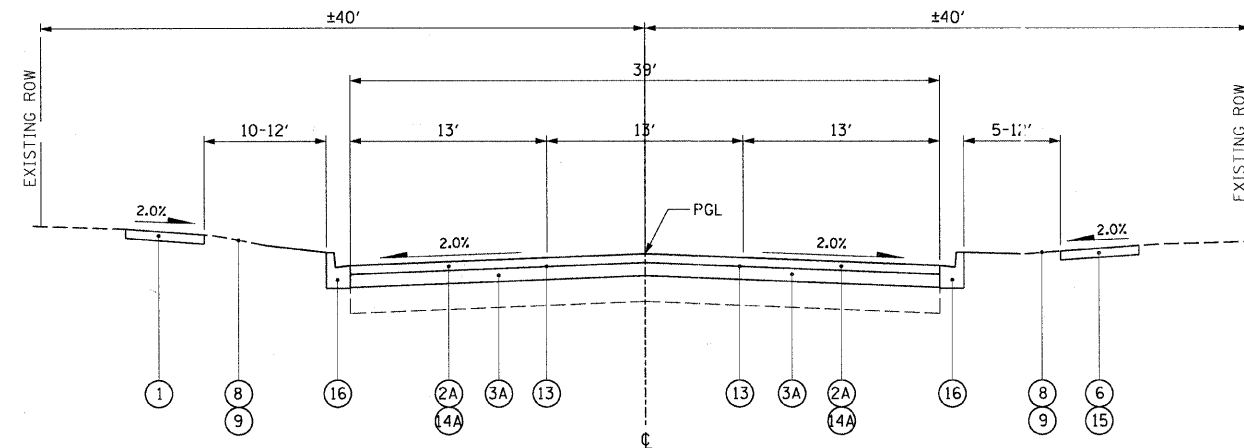
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328	10-00040-00-PV	WILL	31	4
CONTRACT NO. 63586			ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION - CEDARWOOD DRIVE
STA. 76+44.10 TO STA. 98+27.00



PROPOSED TYPICAL SECTION - CEDARWOOD DRIVE
STA. 76+77.60 TO STA. 98+27.00



TYPICAL SECTION - RESURFACING - CEDARWOOD DRIVE
STA. 76+44.10 TO STA. 76+77.60

LEGEND:

- ① EXISTING SIDEWALK, TO REMAIN
- ② EXISTING HOT-MIX ASPHALT SURFACE REMOVAL, 6", S.Y.
- ②A EXISTING HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4", S.Y.
- ③ EXISTING AGGREGATE BASE, TO REMAIN
- ③A EXISTING PAVEMENT TO REMAIN
- ④ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, C.Y.
- ⑤ COMBINATION CURB AND GUTTER REMOVAL, L.F.
- ⑥ EARTH EXCAVATION, C.Y.
- ⑦ P.G.E., SUBGRADE, C.Y.
- ⑧ TOPSOIL FURNISH AND PLACE, 4"
- ⑨ SOD, S.Y.
- ⑩ GEOTECHNICAL FABRIC, S.Y.
- ⑪ PREPARATION OF BASE, SPECIAL S.Y.
- ⑫ AGGREGATE BASE REPAIR, TON
- ⑬ BITUMINOUS MATERIALS (PRIME COAT), GAL.
- ⑭ PROPOSED FULL DEPTH PAVEMENT, 6"
4 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, TON
1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, TON
- ⑭A HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2", TON
LEVELING BINDER (MACHINE METHOD), N50, 3/4", TON
- ⑮ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5", S.F.
(STA. 92+48.06 TO STA. 99+49.79)
- ⑯ PROPOSED COMBINATION CONCRETE CURB AND GUTTER B-6.12, L.F.

HOT-MIX ASPHALT MIXTURE		
MIXTURE TYPE	MIX TYPE	AIR VOIDS
FULL DEPTH PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"	IL 9.5mm	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19, N50, 4 1/2"	IL 19mm	4% @ 50 GYR.
RESURFACED PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"	IL 9.5mm	4% @ 50 GYR.
LEVELING BINDER (MACHINE METHOD), N50, 3/4"	IL 9.5mm	4% @ 50 GYR.

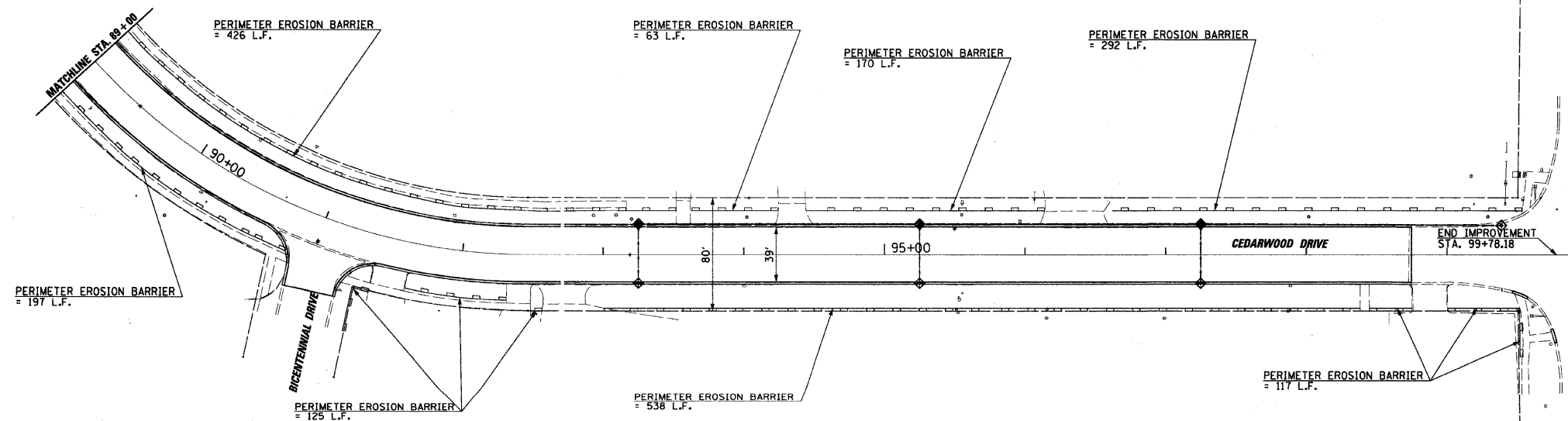
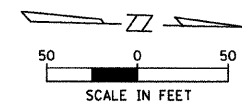
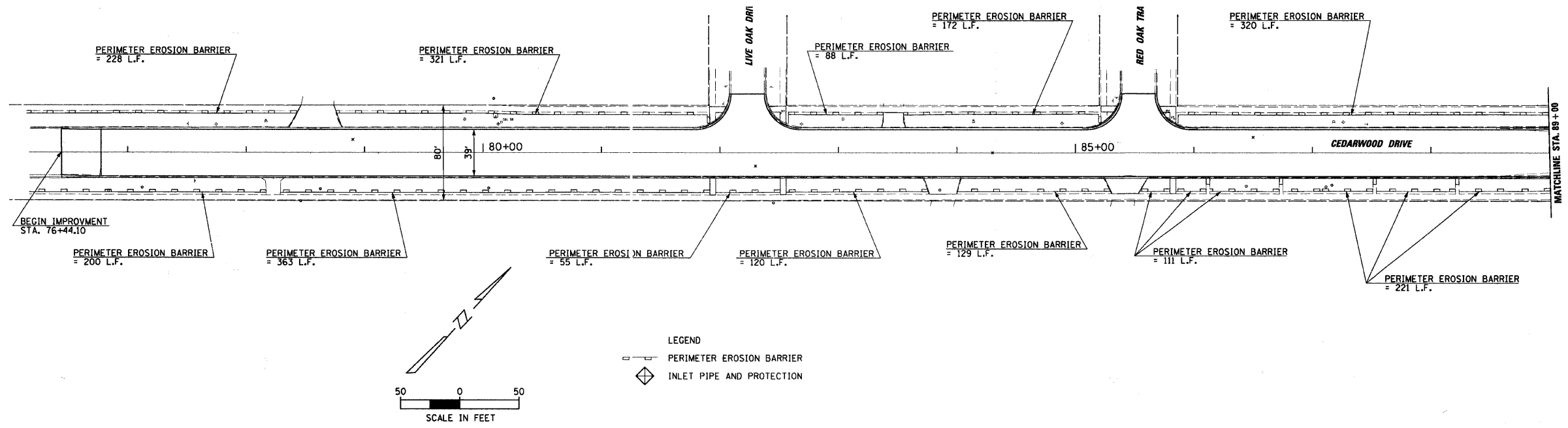
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURE QUANTITIES IS 112 LBS/50 YD³/IN.

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.

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	PLOT DATE = 4/8/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:		328	10-00040-00-PV	WILL	31	5
SHEET NO. 1 OF 2 SHEETS		STA. TO STA.		CONTRACT NO. 63586		
ILLINOIS FED. AID PROJECT						



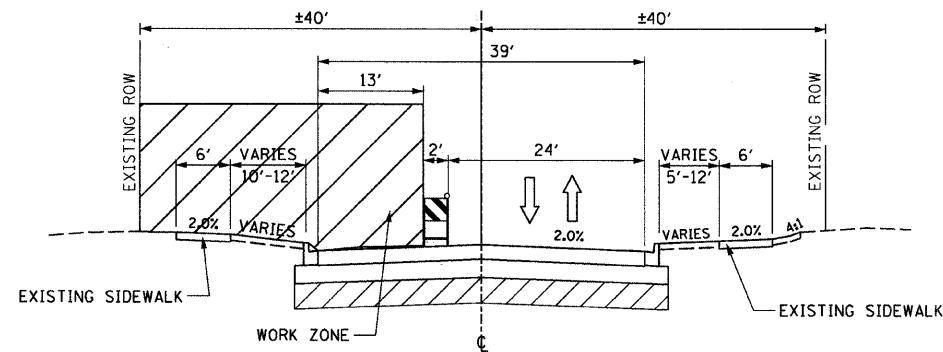
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

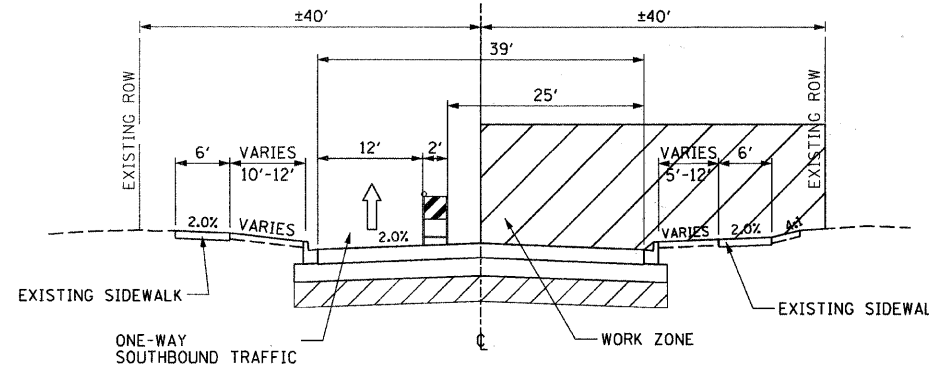
EROSION CONTROL PLAN CEDARWOOD DRIVE, CREST HILL			
SCALE: 50	SHEET NO. 1 OF 1 SHEETS	STA. 76+00	TO STA. 100+00

F.A. RTE. 328	SECTION 10-00040-00-PV	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 6
CONTRACT NO. 63586				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFICE, STAGES, AND ALTERNATIVES

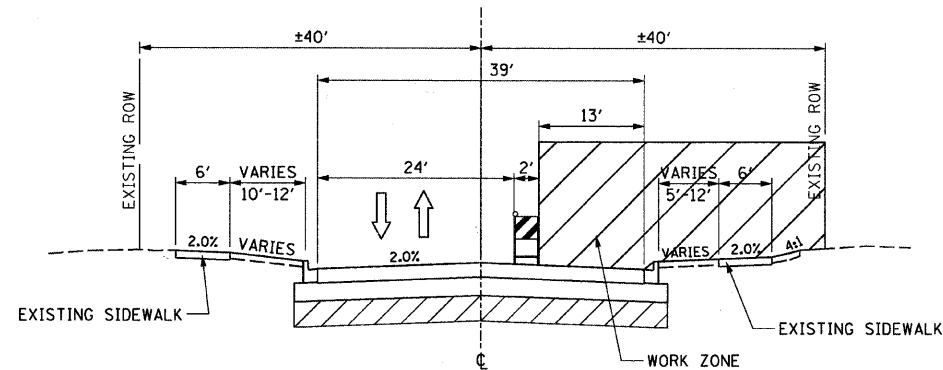


MAINTENANCE OF TRAFFIC - STAGE 1A

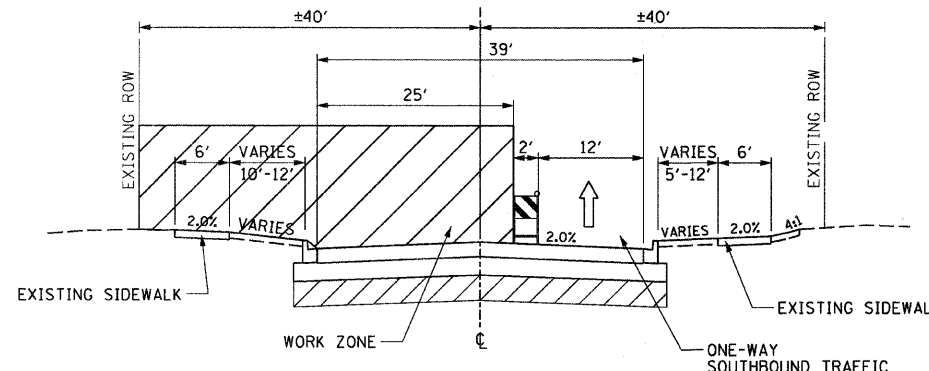


MAINTENANCE OF TRAFFIC - STAGE 2

ONE LANE, ONE-WAY SOUTHBOUND
DURING MILL AND OVERLAY OF 4-5" HMA PAVEMENT



MAINTENANCE OF TRAFFIC - STAGE 1B



MAINTENANCE OF TRAFFIC - STAGE 3

ONE LANE, ONE-WAY SOUTHBOUND
DURING MILL AND OVERLAY OF 4-5" HMA PAVEMENT

MAINTENANCE OF TRAFFIC - GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF CREST HILL TEN (10) DAYS PRIOR TO THE ESTIMATED DATE THAT THE ROADWAY WILL BE READY FOR THE APPLICATION OF PERMANENT PAVEMENT MARKING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE ROADWAY CLEANED OF ANY DIRT, GRAVEL, OIL, ETC. ON THE DAY PAVEMENT MARKINGS ARE APPLIED.
2. BARRICADE MINIMUM SPACING: 50' C-C TANGENT SECTION, 20' C-C SHIFTS, DROPS AND IN MEDIANS, 15' C-C AT CORNERS, OR AS SHOWN ON HIGHWAY STANDARDS.
3. ALL SIGNAGE TO BE IN ACCORDANCE WITH MUTCD. SUGGESTED MAINTENANCE OF TRAFFIC SHOWN IS MINIMUM REQUIRED; CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY RESIDENT ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
4. PROPOSED CURB AND GUTTER AND STORM SEWER IMPROVEMENTS, ON THE SAME SIDE, SHALL BE CONSTRUCTED SIMULTANEOUSLY.
5. ANTICIPATED CONSTRUCTION PHASING:
 STAGE 1A: STORM SEWER AND CURB AND GUTTER WORK (WEST SIDE)
 STAGE 1B: STORM SEWER AND CURB AND GUTTER WORK (EAST SIDE)
 STAGE 2: MILL AND OVERLAY (EAST SIDE)
 STAGE 3: MILL AND OVERLAY (WEST SIDE)
 STAGE 4: SURFACE COURSE, STRIPING, AND RESTORATION

LEGEND

- STANDARD TRAFFIC CONTROL DEVICES, BARRICADE OR DRUM
- WORK ZONE
- DIRECTION OF TRAFFIC

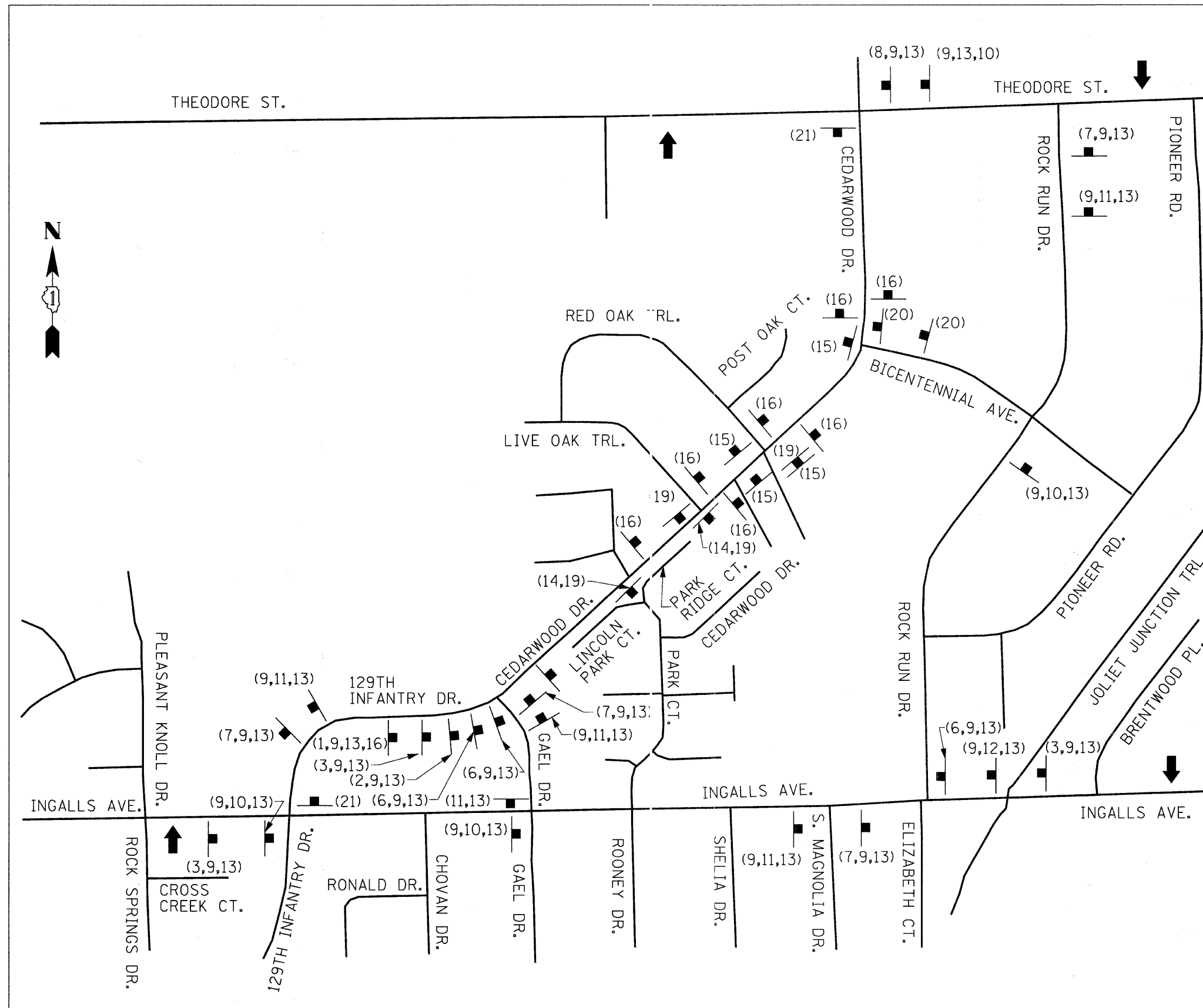
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	PLOT DATE = 3/25/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
CEDARWOOD DRIVE, CREST HILL**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328	10-00040-00-PV	WILL	31	7
CONTRACT NO. 63586				
ILLINOIS FED. AID PROJECT				

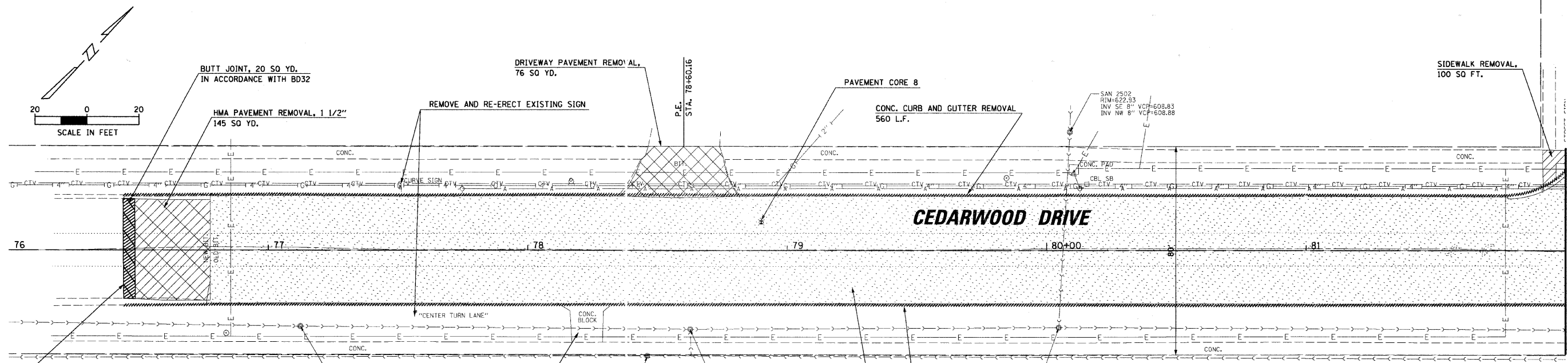


W20-3 48"x48" ①	W20-3 48"x48" ②	W20-2 48"x48" ③
R11-2 48"x30" ④	R11-4 48"x30" ⑤	M4-9R 30"x24" ⑥
M4-9L 30"x24" ⑦	M4-8A 24"x18" ⑧	M3-3 24"x12" ⑨
M4-9 30"x24" ⑩	M4-9L 30"x24" ⑪	M4-9R 30"x24" ⑫
M3-(0) 24"x12" ⑬	R6-1R 36"x12" ⑭	R6-1L 36"x12" ⑮
R5-1 30"x30" ⑯	M4-10R 48"x18" ⑰	M4-10L 48"x18" ⑱
R3-2 24"x24" ⑲	R3-1 24"x24" ⑳	G20-5cP 24"x18" ⑳
		R2-1 24"x30" ⑳
		R2-6bP 24"x18" ㉑

LEGEND

- CHANGABLE MESSAGE BOARD
- DETOUR SIGN
- DETOUR SIGN TYPE

FILE NAME =	USER NAME = CMCCOLLO	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC CEDARWOOD DRIVE, CREST HILL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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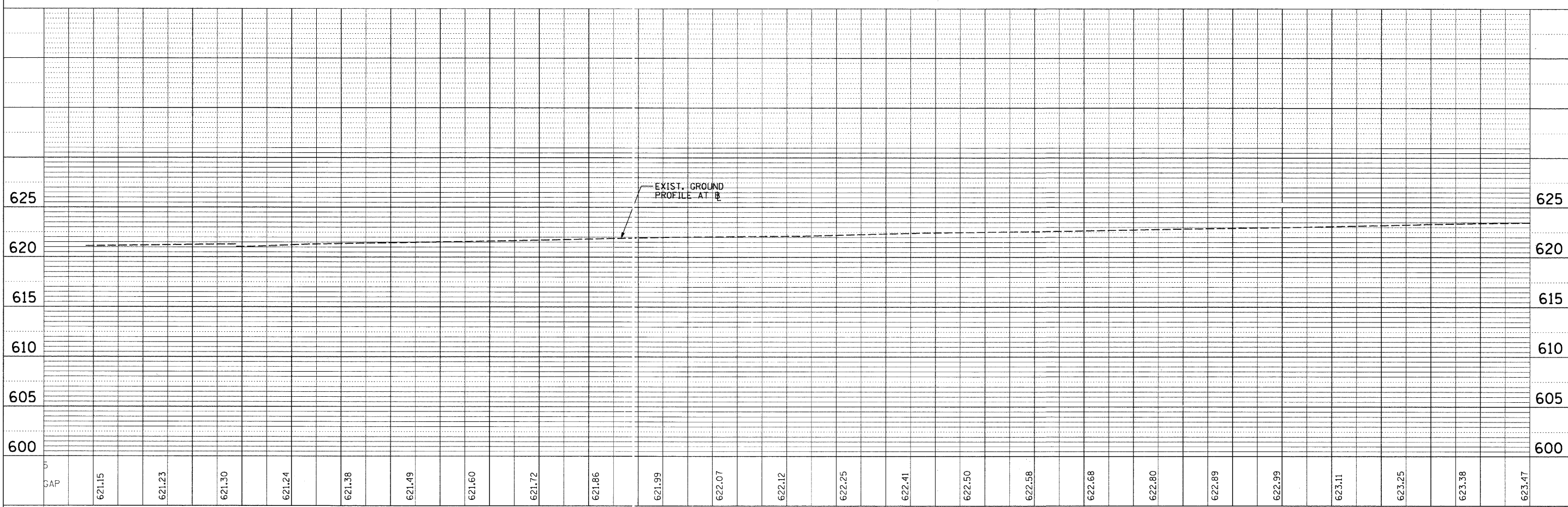


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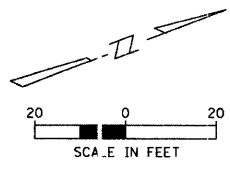
- DRIVEWAY PAVEMENT REMOVAL
- HMA PAVEMENT REMOVAL, 4"
- SIDEWALK REMOVAL
- HMA PAVEMENT REMOVAL, 1-1/2"
- CONCRETE CURB AND GUTTER REMOVAL
- STRUCTURE TO BE ADJUSTED
- BUTT JOINT

PLAN
 SURVEYED BY: _____
 ALIGNED CHECKED: _____
 NOTE BOOK NO.: _____
 PLOT FILE NAME: _____

PROFILE
 SURVEYED BY: _____
 GRADES CHECKED: _____
 NOTE BOOK NO.: _____
 PLOT FILE NAME: _____



FILE NAME = N:\CRESTHILL\100397\1\1\REM.L100397.DGN	USER NAME = CMCCOLLO	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CONDITIONS AND REMOVAL PLAN CEDARWOOD DRIVE, CREST HILL				F.A. RTE. 328	SECTION 10-00040-00-PV	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 9
	PLOT SCALE = 20'	DRAWN -	REVISED -		SCALE:	SHEET NO. 1	OF 4 SHEETS	STA. 76+00	TO STA. 82+00	CONTRACT NO. 63586			
	PLOT DATE = 3/25/2011	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										



- LEGEND**
- DRIVEWAY PAVEMENT REMOVAL
 - HMA PAVEMENT REMOVAL, 4"
 - SIDEWALK REMOVAL
 - HMA PAVEMENT REMOVAL, 1-1/2"
 - CONCRETE CURB AND GUTTER REMOVAL
 - STRUCTURE TO BE ADJUSTED
 - BUTT JOINT

PLAN

DATE: _____ BY: _____

REVISIONS:

NO.	DATE	DESCRIPTION

NO. _____

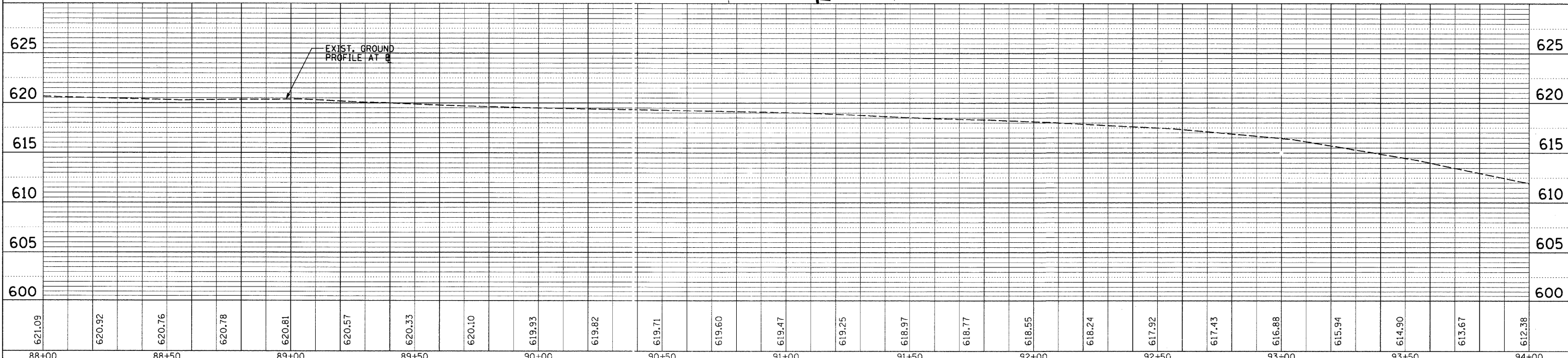
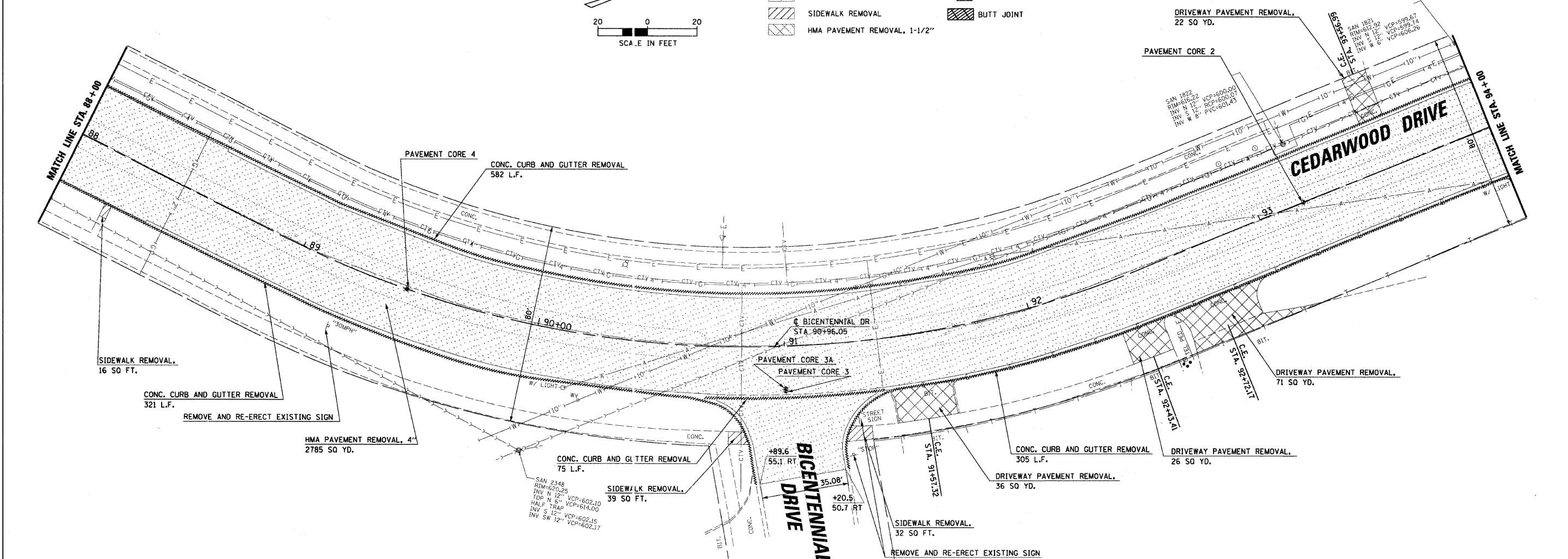
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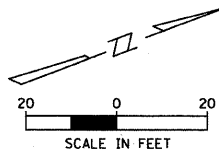
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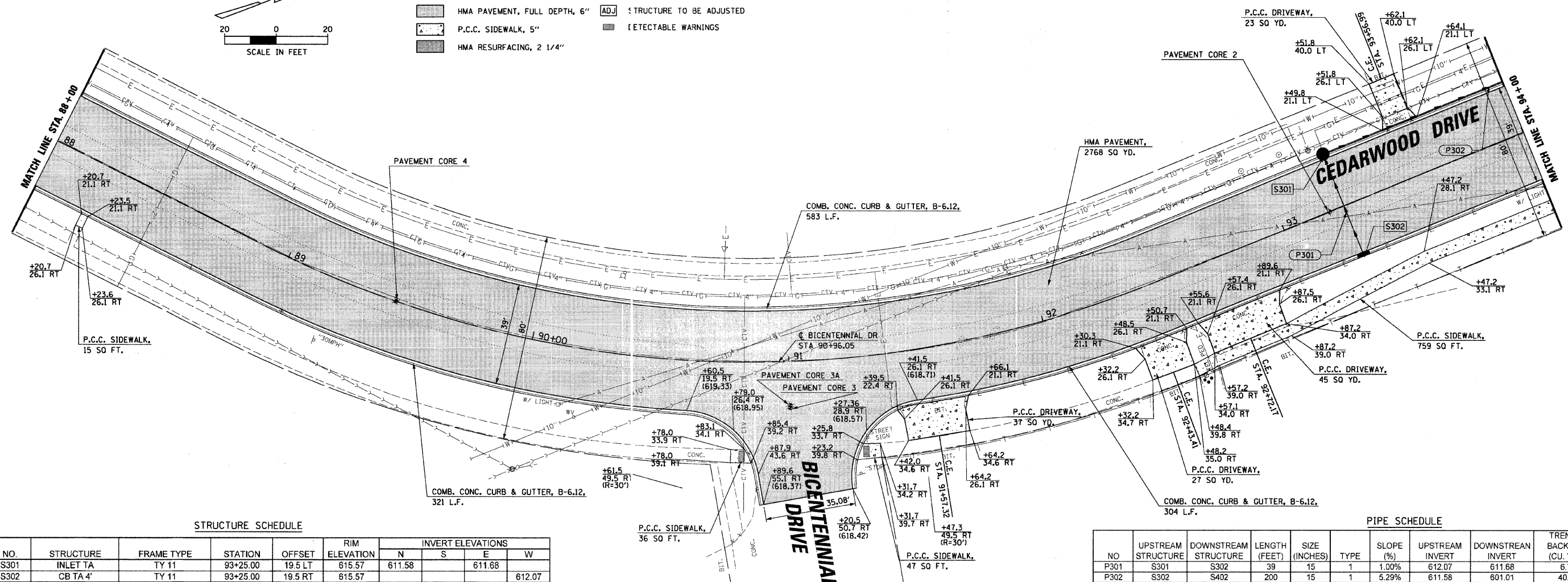
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PLOT SCALE = 20'	PLOT DATE = 3/25/2011	DRAWN -	REVISED -		SCALE:	SHEET NO. 3 OF 4 SHEETS	STA. 88+00 TO STA. 94+00	CONTRACT NO. 63586				
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



- LEGEND**
- P.C.C. DRIVEWAY, 6"
 - HMA PAVEMENT, FULL DEPTH, 6"
 - P.C.C. SIDEWALK, 5"
 - HMA RESURFACING, 2 1/4"
 - CONCRETE CURB AND GUTTER, B-6.12
 - STRUCTURE TO BE ADJUSTED
 - DETECTABLE WARNINGS

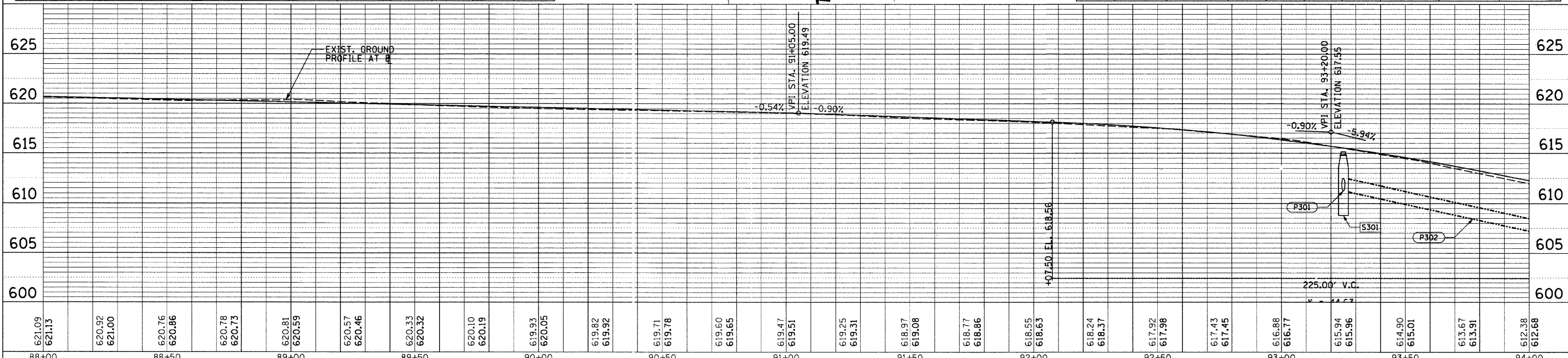


STRUCTURE SCHEDULE

NO.	STRUCTURE	FRAME TYPE	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS			
						N	S	E	W
S301	INLET TA	TY 11	93+25.00	19.5 LT	615.57	611.58		611.68	
S302	CB TA 4'	TY 11	93+25.00	19.5 RT	615.57			612.07	

PIPE SCHEDULE

NO	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	LENGTH (FEET)	SIZE (INCHES)	TYPE	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CU. YD.)
P301	S301	S302	39	15	1	1.00%	612.07	611.68	6.7
P302	S302	S402	200	15	1	5.29%	611.58	601.01	40.1



621.09	621.13	620.92	621.00	620.76	620.86	620.78	620.73	620.81	620.59	620.57	620.46	620.33	620.32	620.10	620.19	619.93	620.05	619.82	619.92	619.71	619.78	619.60	619.65	619.47	619.51	619.25	619.31	618.97	619.08	618.77	618.86	618.55	618.63	618.24	618.37	617.92	617.98	617.43	617.45	616.88	616.77	615.94	615.96	614.90	615.01	613.67	613.91	612.38	612.68
88+00		88+50		89+00		89+50		90+00		90+50		91+00		91+50		92+00		92+50		93+00		93+50		94+00																									

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN AND PROFILE
CEDARWOOD DRIVE, CREST HILL**

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		CHECKED -	REVISED -
		DATE -	REVISED -

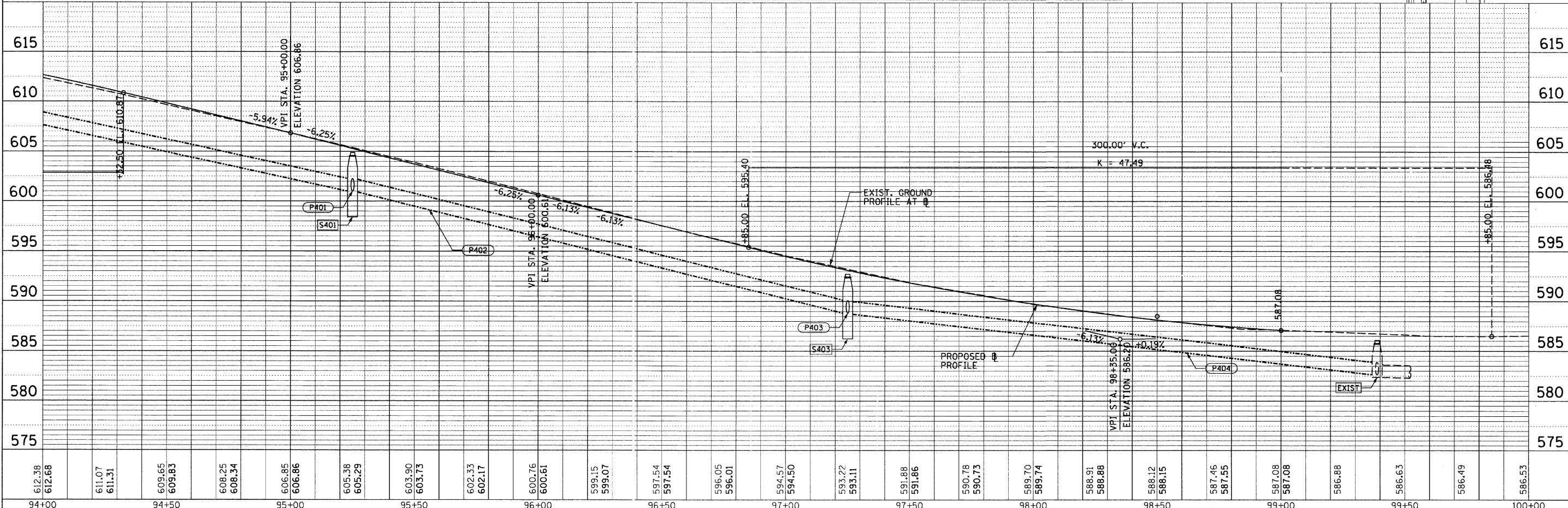
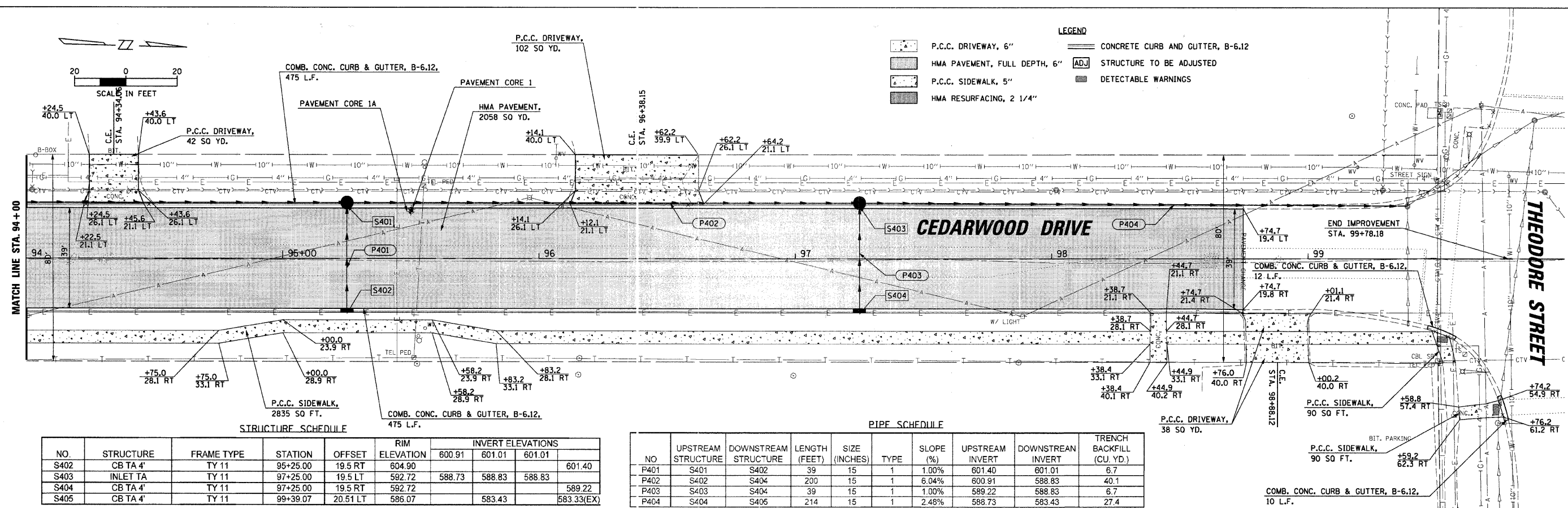
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						CONTRACT NO. 63586	
ILLINOIS FED. AID PROJECT							

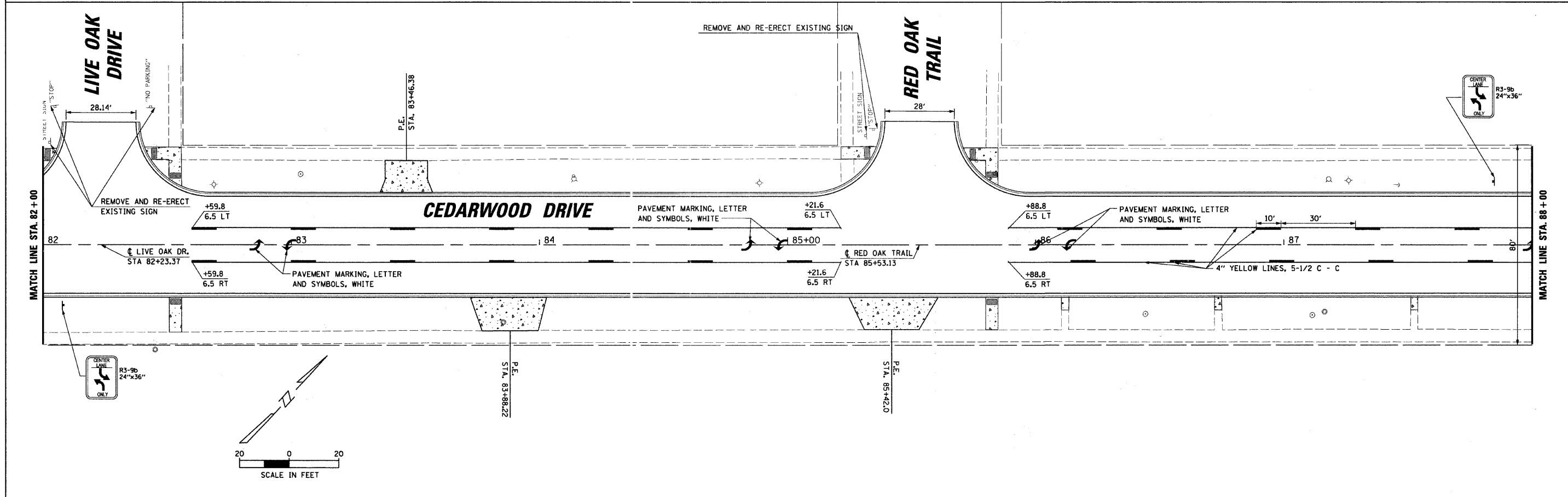
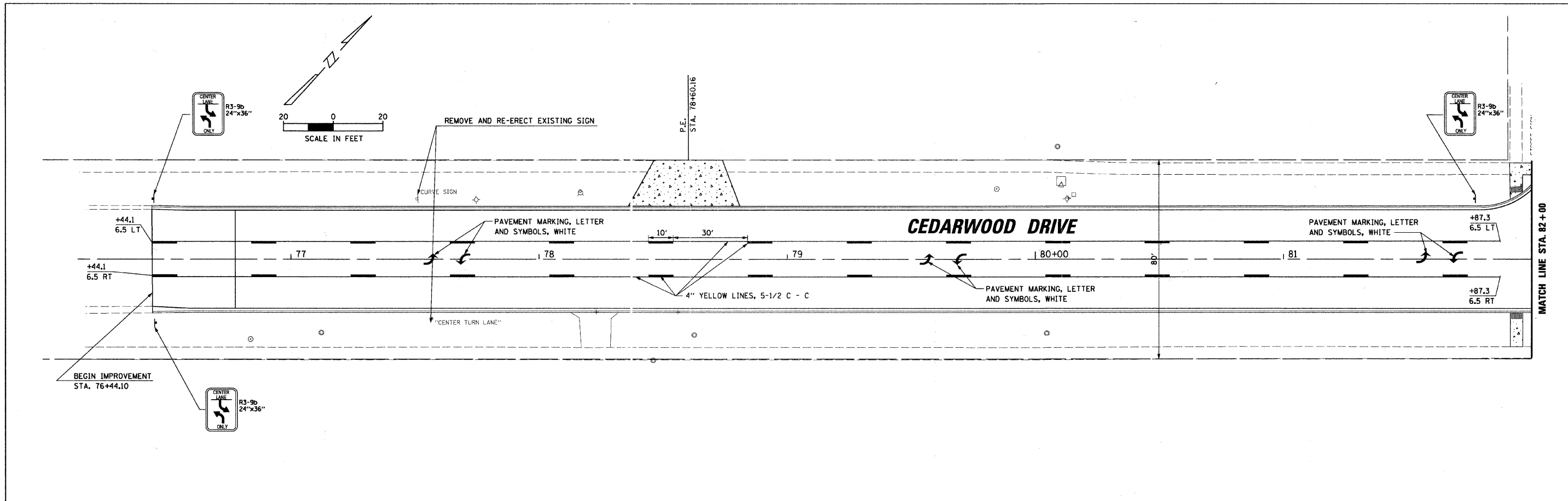
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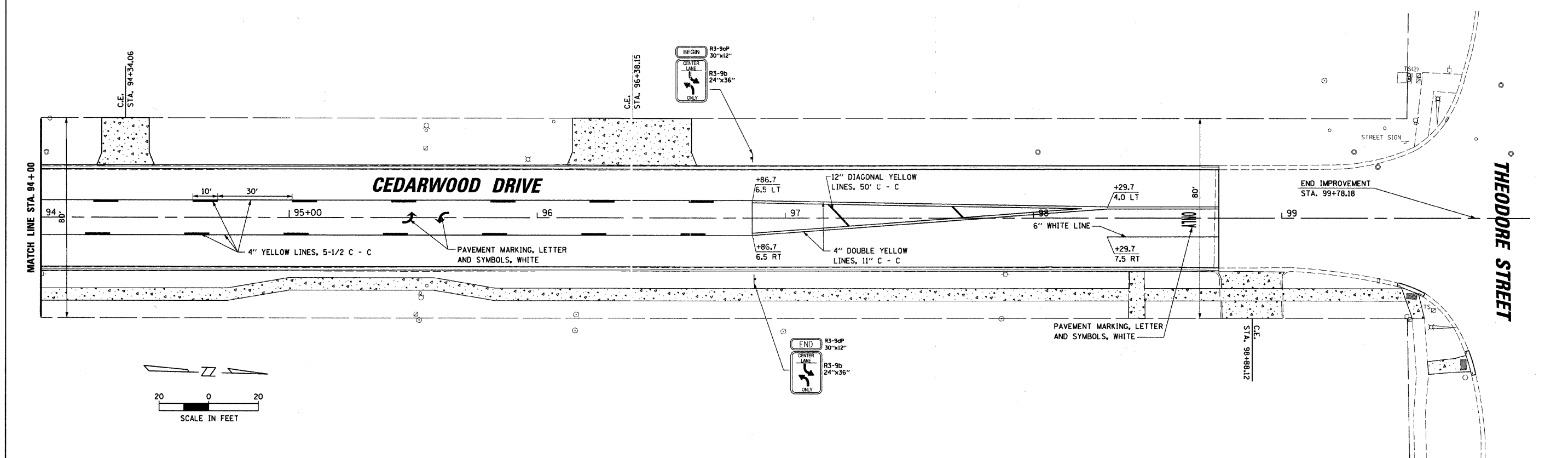
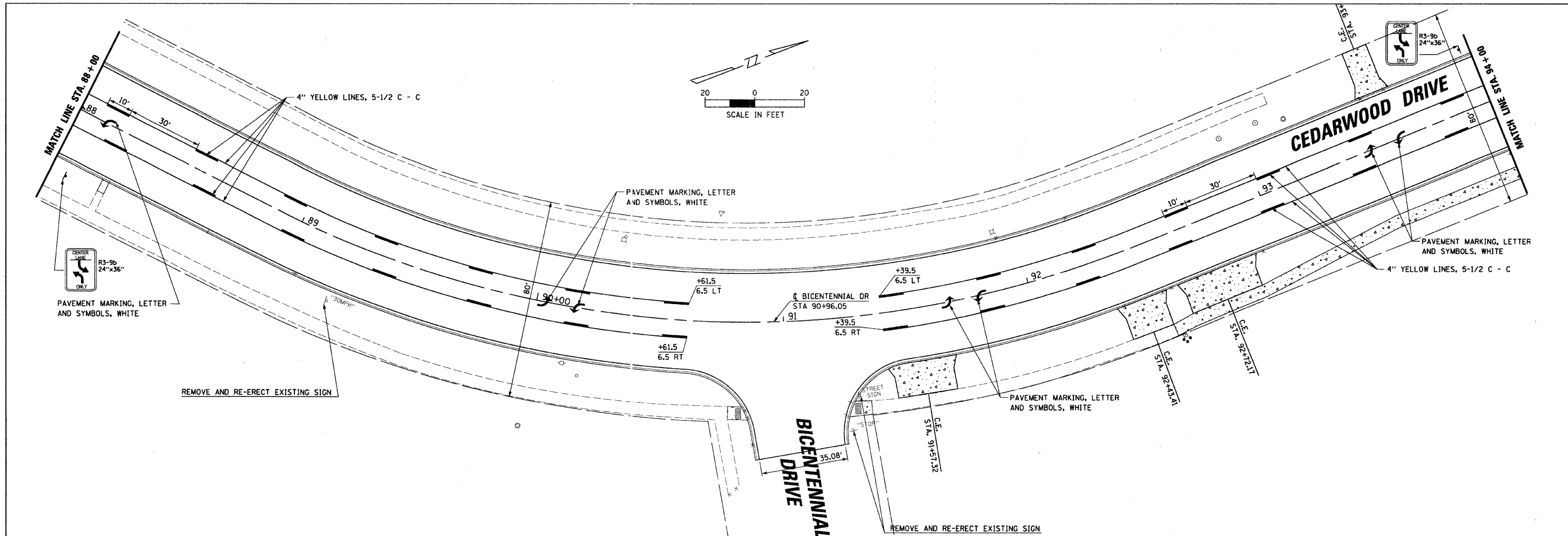
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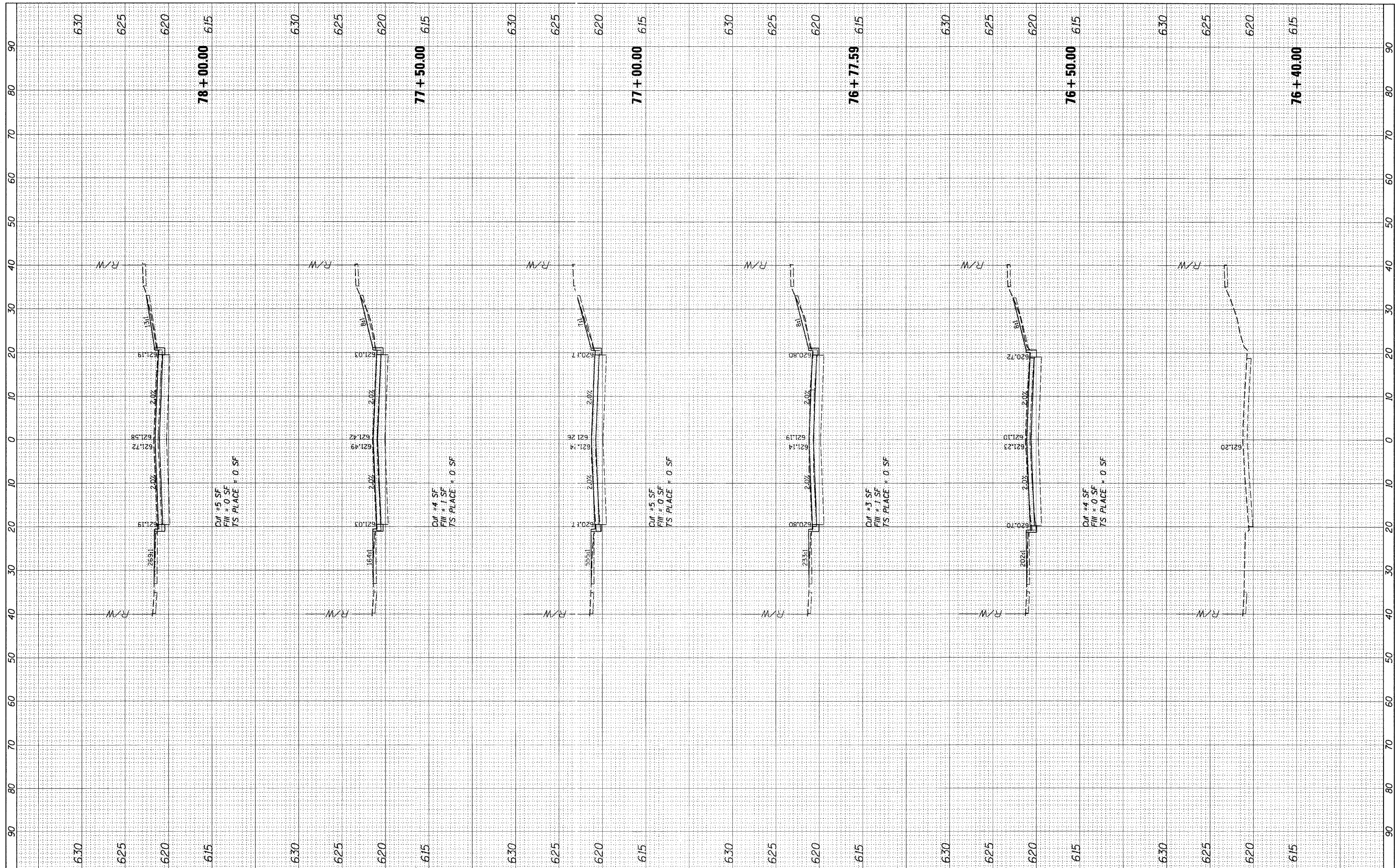
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	PLOT SCALE = 20'	DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA. 76+00	TO STA. 88+00	CONTRACT NO. 63586			
	PLOT DATE = 3/25/2011	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



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						SCALE: 1" = 20'	SHEET NO. 2 OF 2 SHEETS	STA. 88+00 TO STA. 100+00	ILLINOIS FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS	
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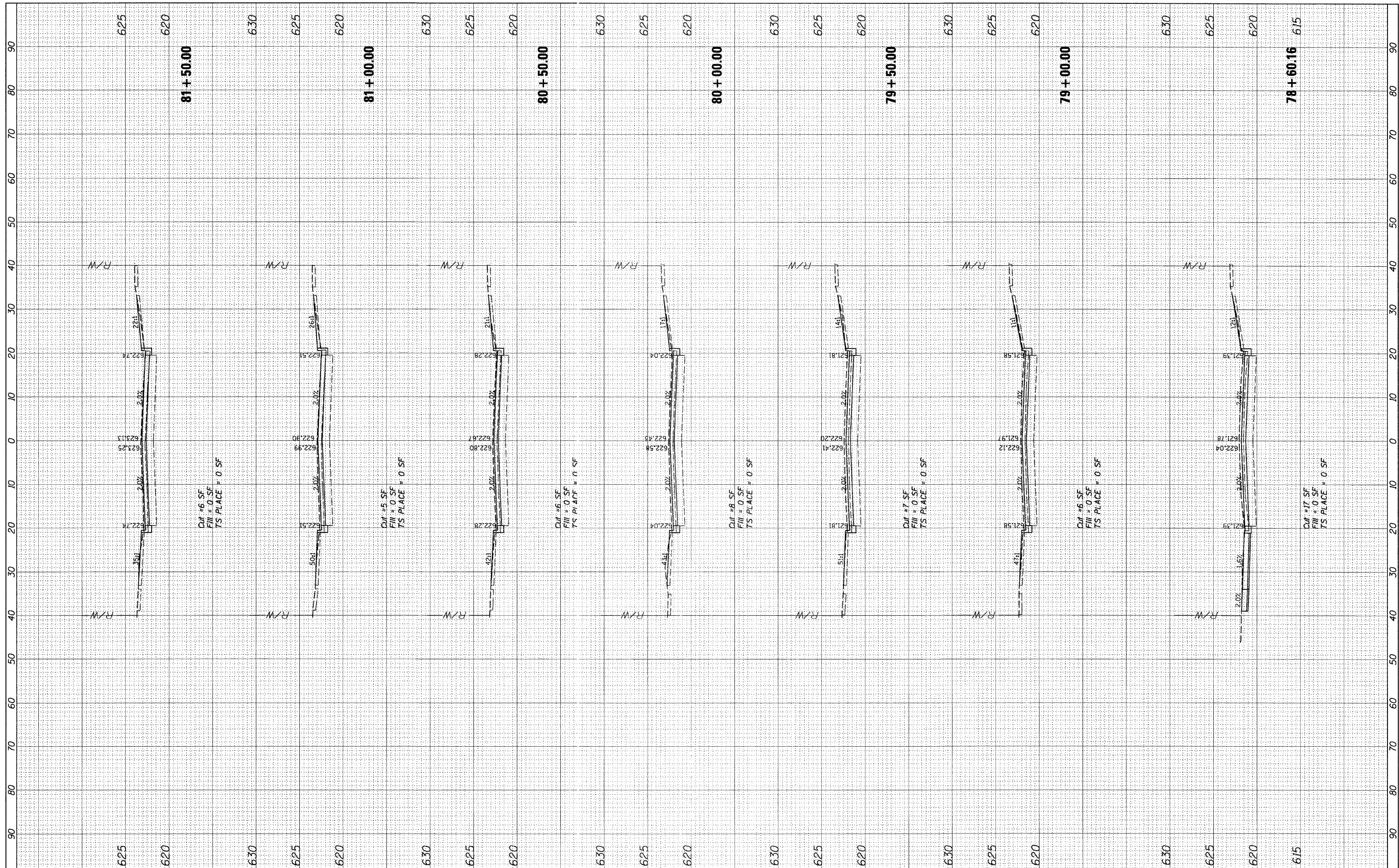
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PLOT SCALE = 10'	PLOT DATE = 3/25/2011	DRAWN -	REVISED -		SCALE: 1" = 10'	SHEET NO. 1 OF 9 SHEETS	STA. 76+40.00 TO STA. 78+00.00	CONTRACT NO.		ILLINOIS FED. AID PROJECT	
		CHECKED -	REVISED -								
		DATE -	REVISED -								

FINAL SURVEY NO.	SUBMITTED	DATE
NOTE BOOK	PIOTTED	BY
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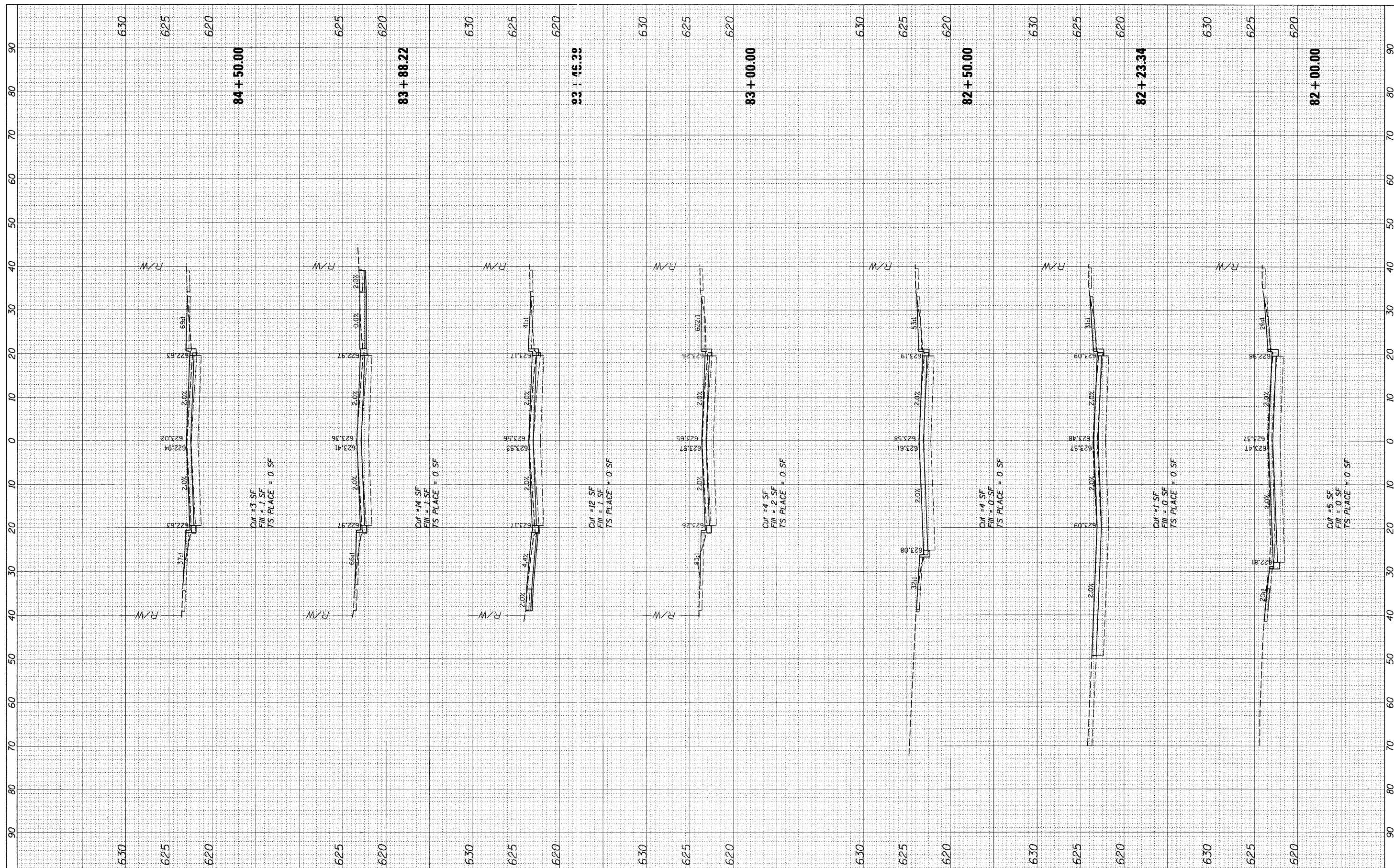
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NOTE BOOK	PIOTTED	BY
AREAS CHECKED	TEMPLATE	



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	PLOT DATE = 3/25/2011	CHECKED -	REVISED -								
		DATE -	REVISED -								

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

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



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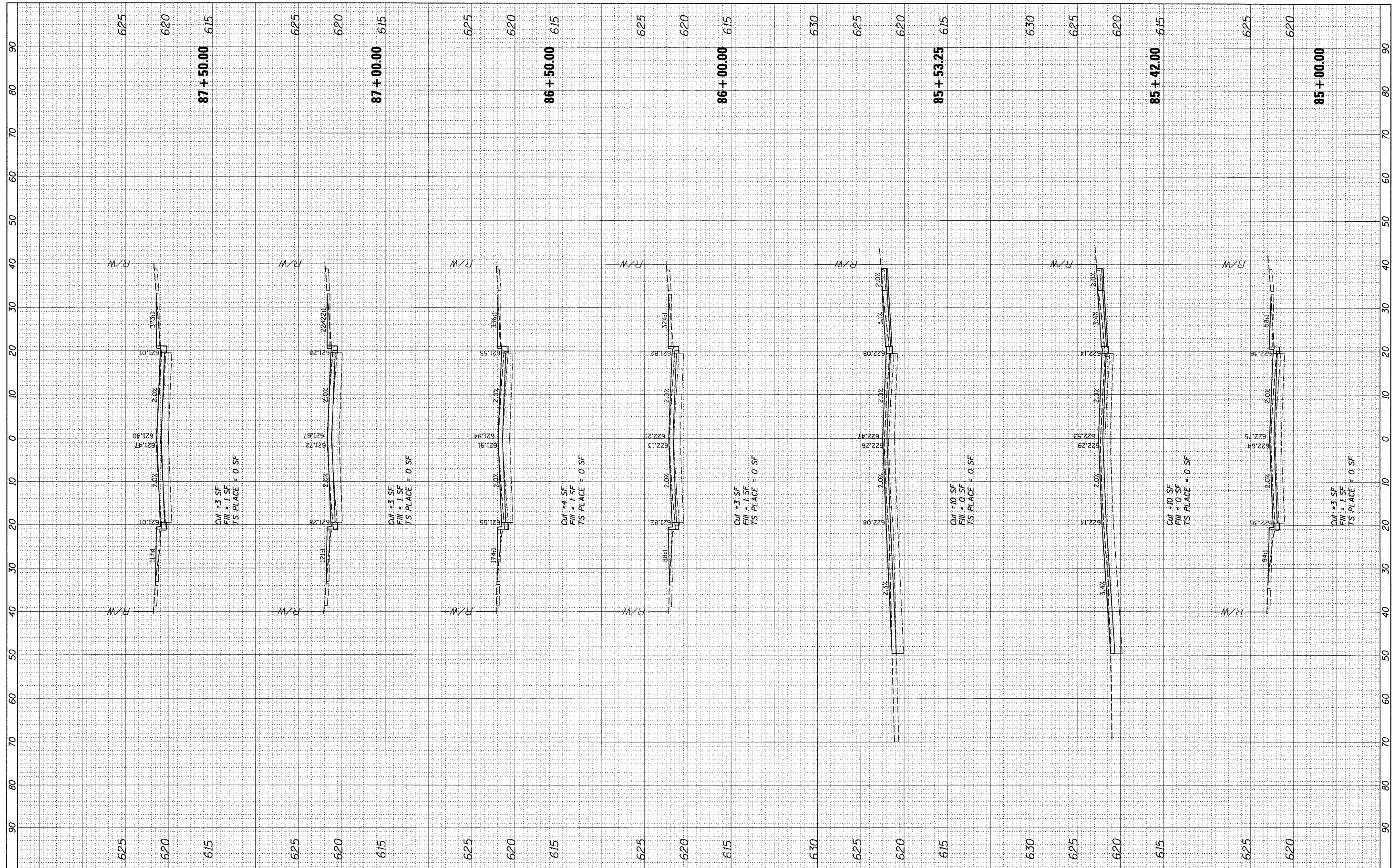
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 CEDARWOOD DRIVE**
 SCALE: 1" = 10'
 SHEET NO. 3 OF 9 SHEETS
 STA. 82+00.00 TO STA. 84+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328	10-00040-00-PV	WILL	31	22
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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



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USER NAME = CMCCOLLO
 PLOT SCALE = 10'
 PLOT DATE = 3/25/2011

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

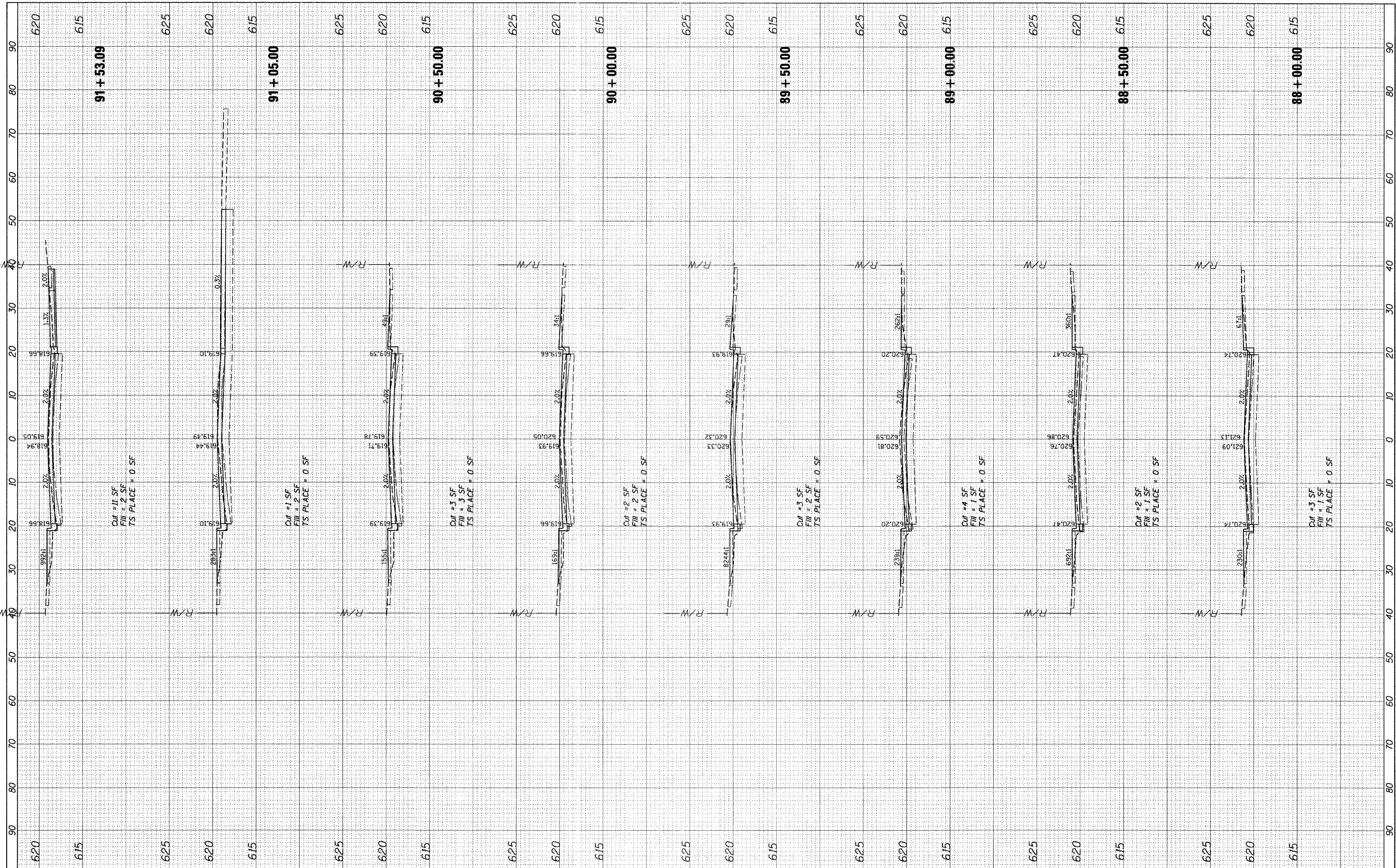
**CROSS SECTIONS
 CEDARWOOD DRIVE**

SCALE: 1" = 10' SHEET NO. 4 OF 9 SHEETS STA. 85+00.00 TO STA. 87+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328	10-00040-00-PV	WILL	31	23
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

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

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



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 PLOT SCALE = 10'
 PLOT DATE = 3/25/2011

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

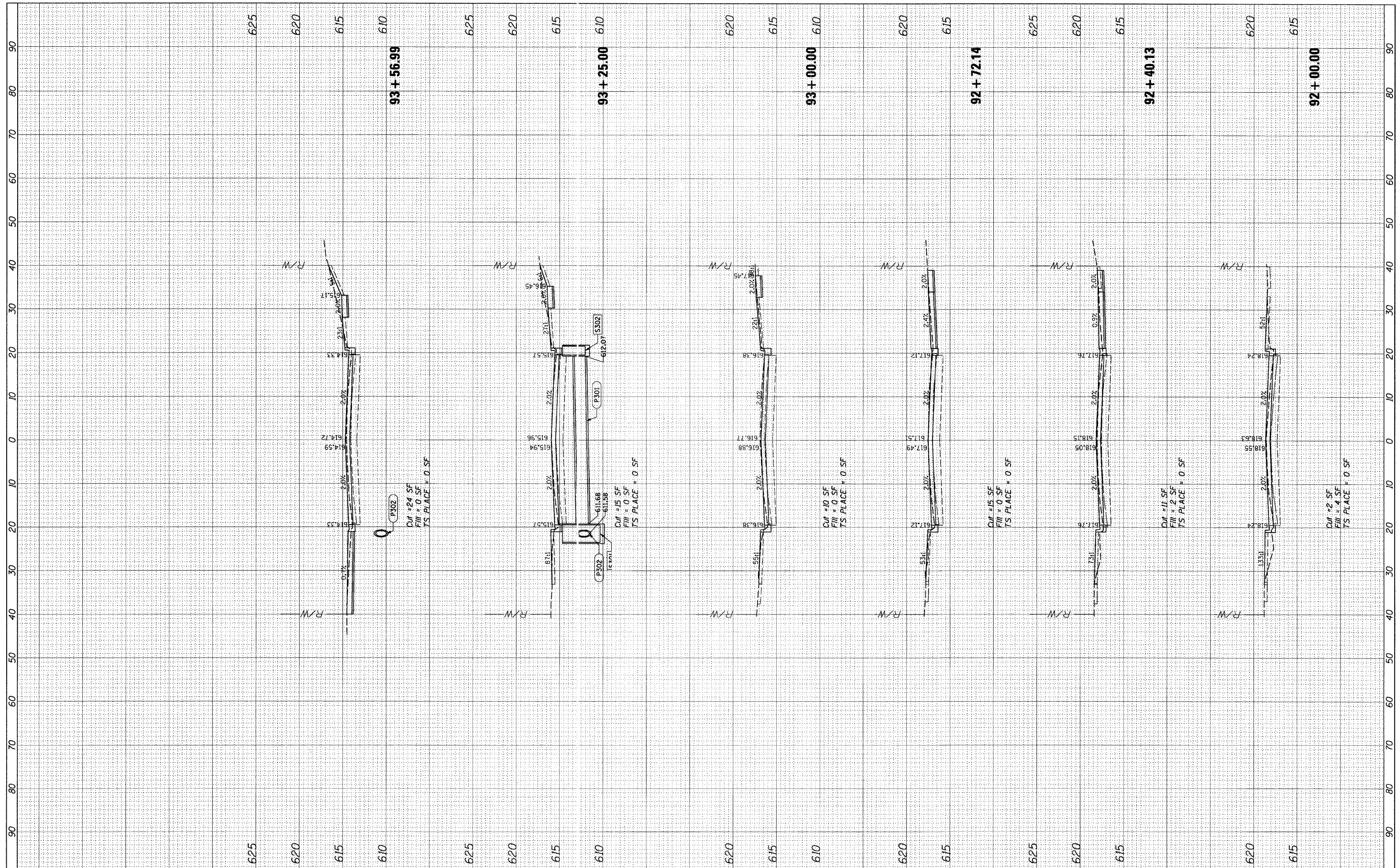
SCALE: 1" = 10'
 SHEET NO. 5 OF 9 SHEETS
 STA. 88+00.00 TO STA. 91+53.09

**CROSS SECTIONS
CEDARWOOD DRIVE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328	10-00040-00-PV	WILL	31	24
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

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

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



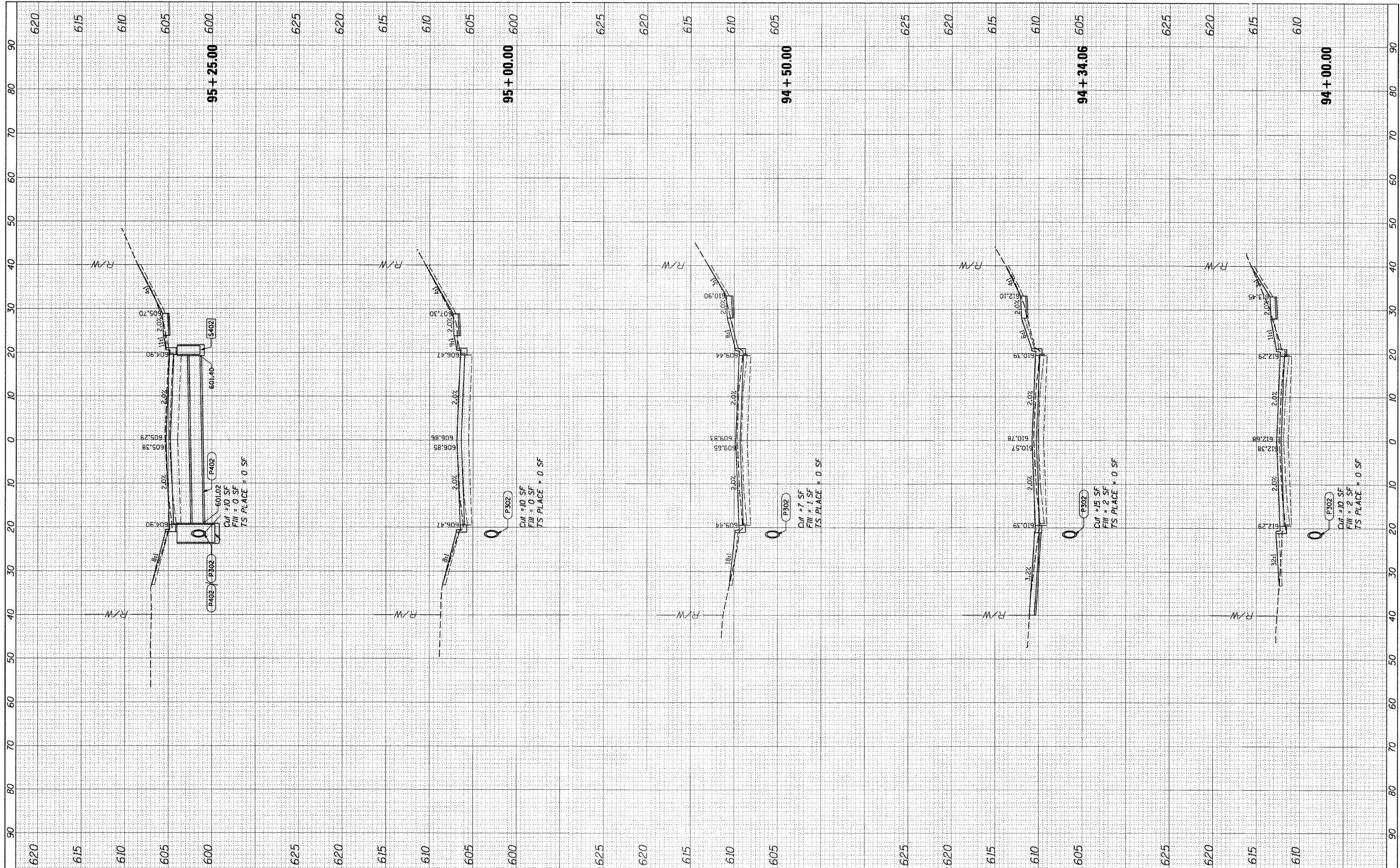
FILE NAME =	USER NAME = CMCCOLLO	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS CEDARWOOD DRIVE			F.A.U. RTE. 328	SECTION 10-00040-00-PV	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 25
PLLOT SCALE = 10'	PLLOT DATE = 3/25/2011	DRAWN -	REVISED -		SCALE: 1" = 10'	SHEET NO. 6	OF 9 SHEETS	STA. 92+00.00	TO STA. 93+56.99	CONTRACT NO.		
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

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

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

625

625



FILE NAME = N:\CRESTHILL\100397\C1v1\XS.100397.DGN

USER NAME = CMCCOLLO

PLOT SCALE = 10'
PLOT DATE = 3/25/2011

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

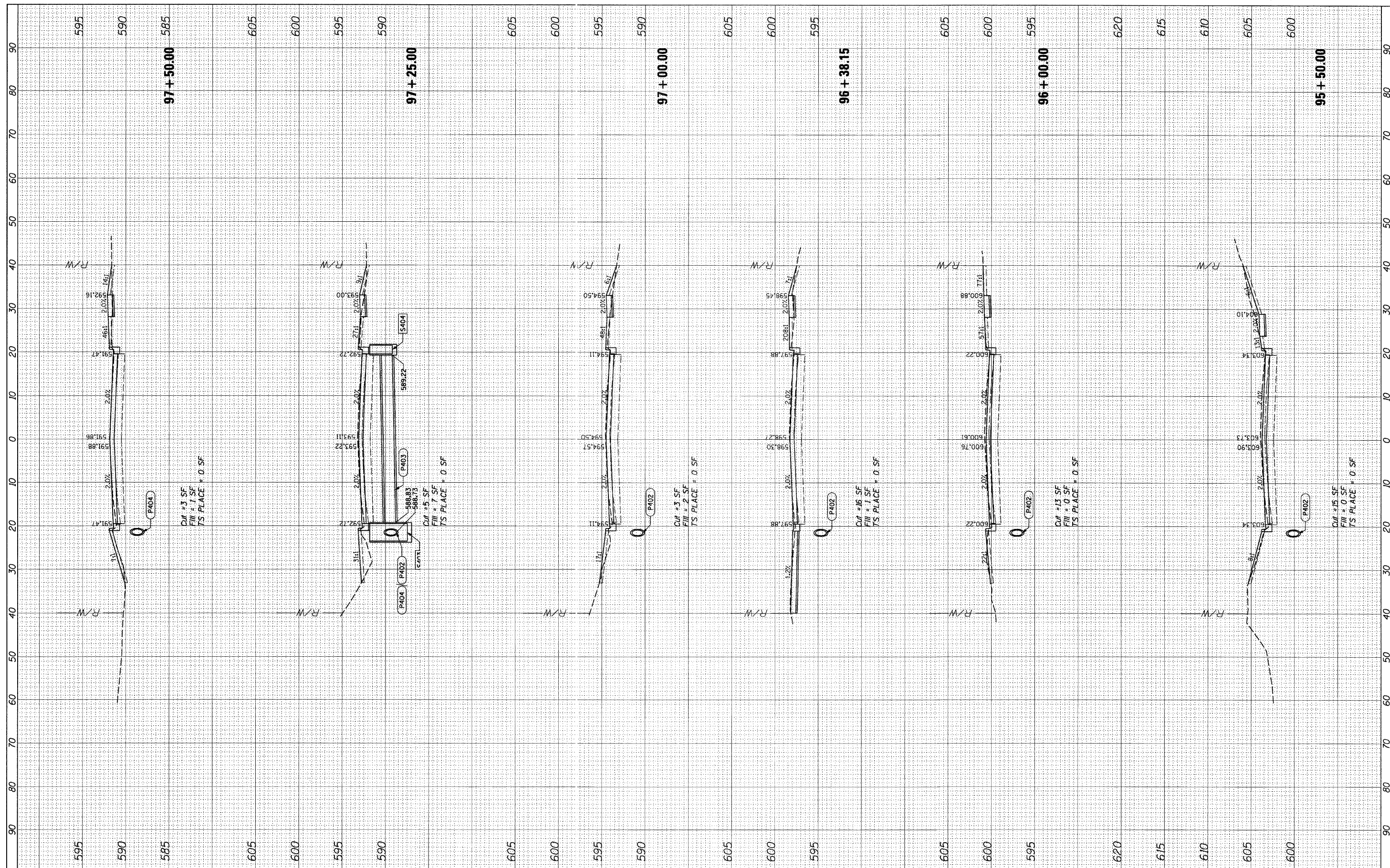
CROSS SECTIONS
CEDARWOOD DRIVE

SCALE: 1" = 10' SHEET NO. 7 OF 9 SHEETS STA. 94+00.00 TO STA. 95+25.00

F.A.U. RTE. 328	SECTION 10-00040-00-PV	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 26
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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



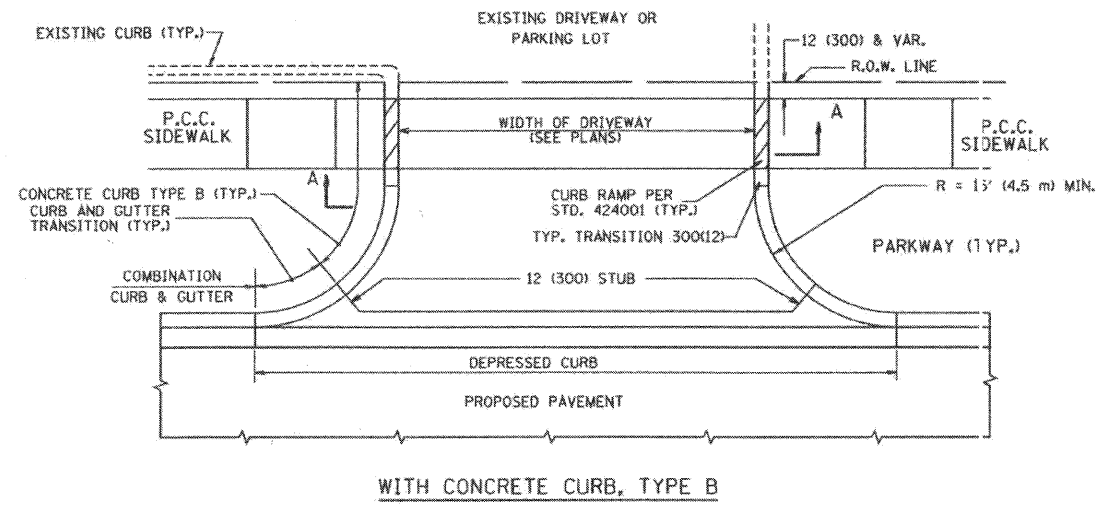
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 PLOT SCALE = 10"
 PLOT DATE = 3/25/2011

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

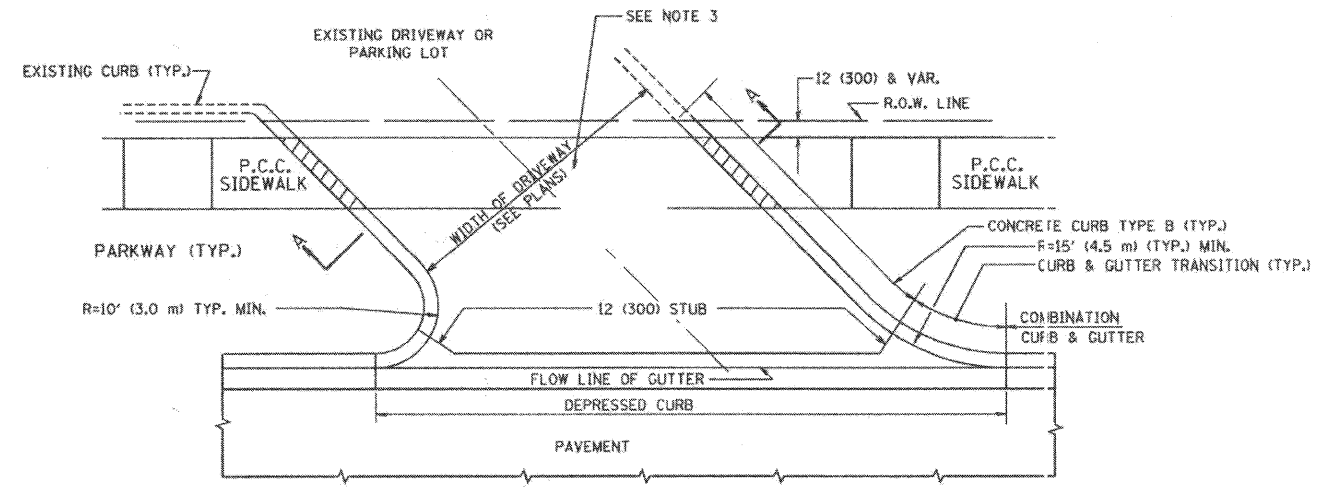
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 CEDARWOOD DRIVE**
 SCALE: 1" = 10'
 SHEET NO. 8 OF 9 SHEETS
 STA. 95+50.00 TO STA. 97+50.00

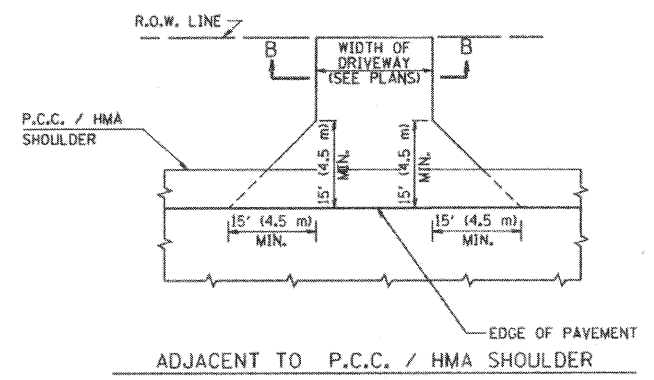
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CONTRACT NO.			ILLINOIS FED. AID PROJECT	



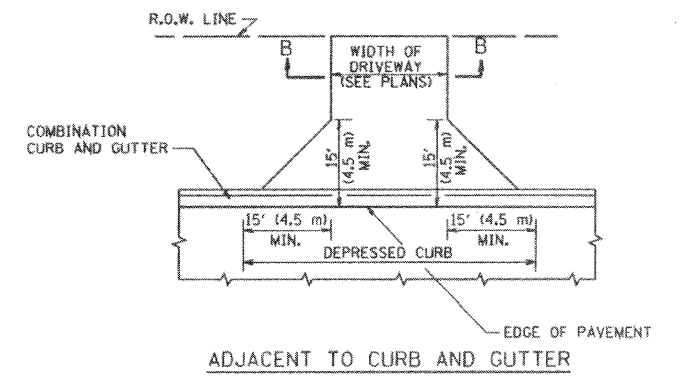
WITH CONCRETE CURB, TYPE B



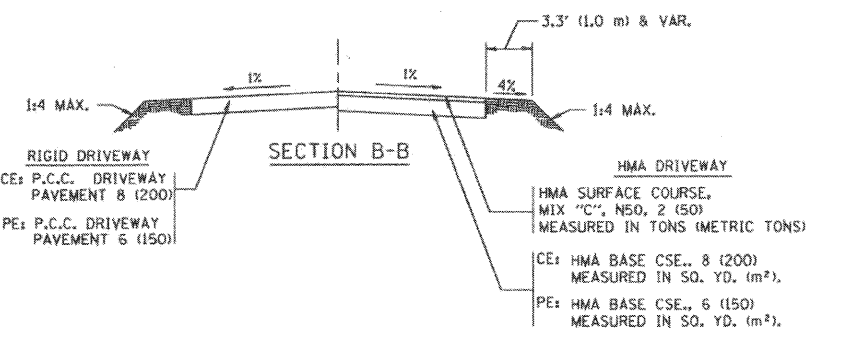
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER

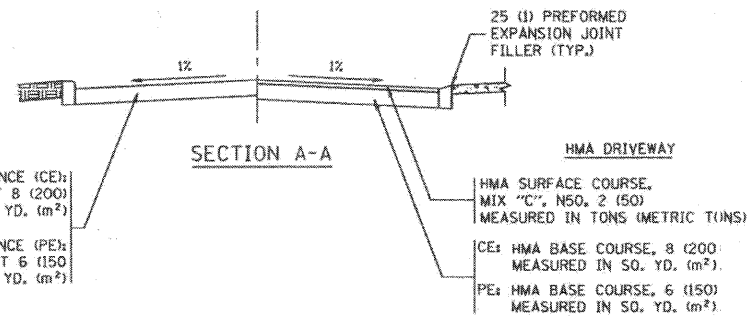


ADJACENT TO CURB AND GUTTER



SECTION B-B

RURAL FIELD ENTRANCE (FE)
HMA SURFACE COURSE,
MIX "C", N50, 2 (50)
MEASURED IN SQ. YD. (m²).
CE: HMA BASE CSE., 8 (200)
MEASURED IN SQ. YD. (m²).
PE: HMA BASE CSE., 6 (150)
MEASURED IN SQ. YD. (m²).
AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).



SECTION A-A

RIGID DRIVEWAY
COMMERCIAL ENTRANCE (CE):
P.C.C. DRIVEWAY PAVEMENT 8 (200)
MEASURED IN SQ. YD. (m²)
NON-COMMERCIAL ENTRANCE (PE):
P.C.C. DRIVEWAY PAVEMENT 6 (150)
MEASURED IN SQ. YD. (m²)

HMA DRIVEWAY
HMA SURFACE COURSE,
MIX "C", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)
CE: HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²).
PE: HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

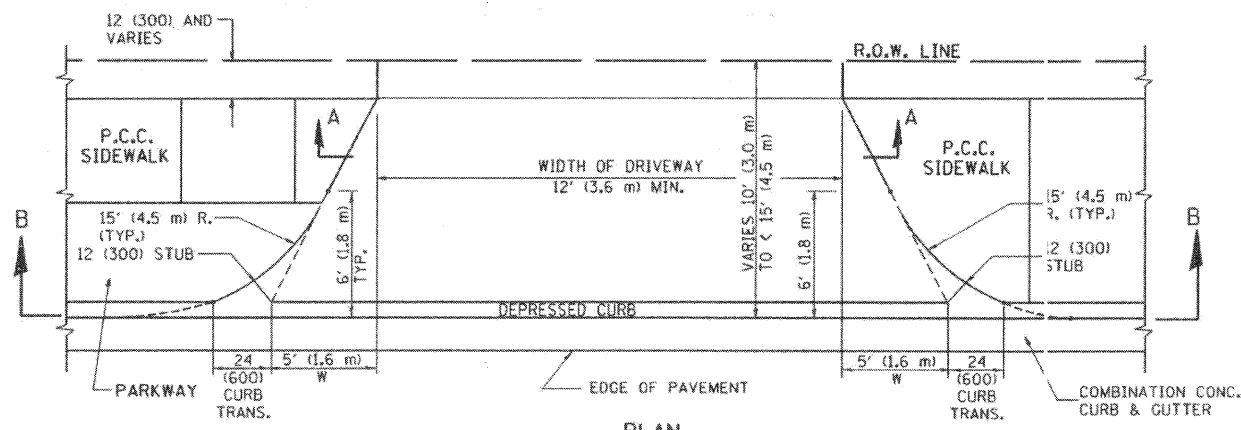
THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

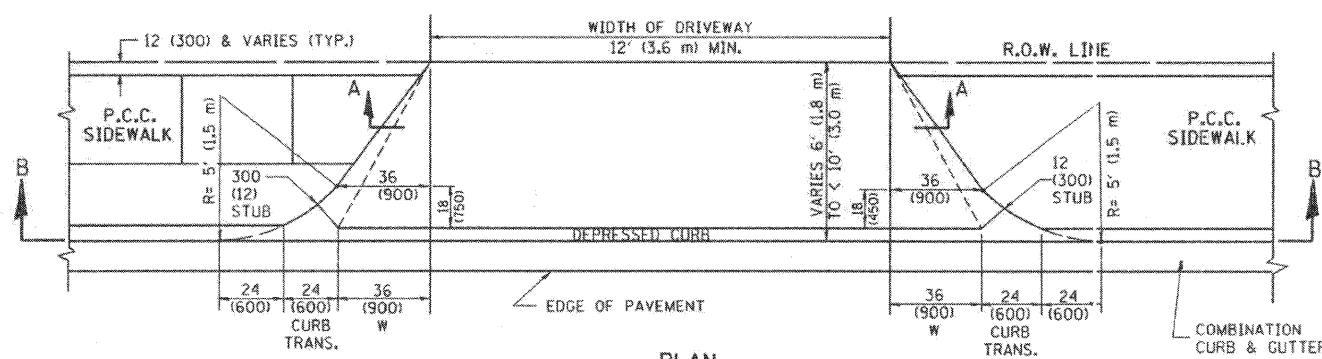
1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

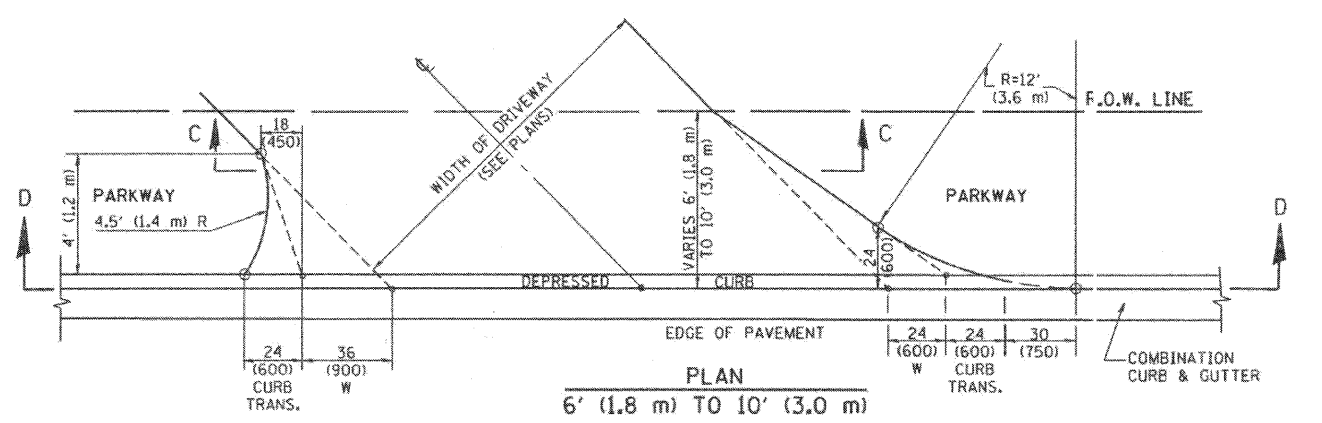
FILE NAME =	USER NAME = bawerd	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)		F.A. RTE. 328	SECTION 10-00040-00-PV	COUNTY WILL	TOTAL SHEETS 31	SHEET NO. 29	
PROJECT NO. = 44-9999-17 IN.	PLOT SCALE = 1/4" = 1'-0"	DRAWN -	REVISED - P. LOFLUER 04-15-03		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD0156-07 (BD-01)		CONTRACT NO. 63586		
PLOT DATE = 6/12/2008	DATE = 11-04-95	CHECKED -	REVISED - R. BORO 01-01-07									
		DATE = 11-04-95	REVISED - R. BORO 06-11-08									



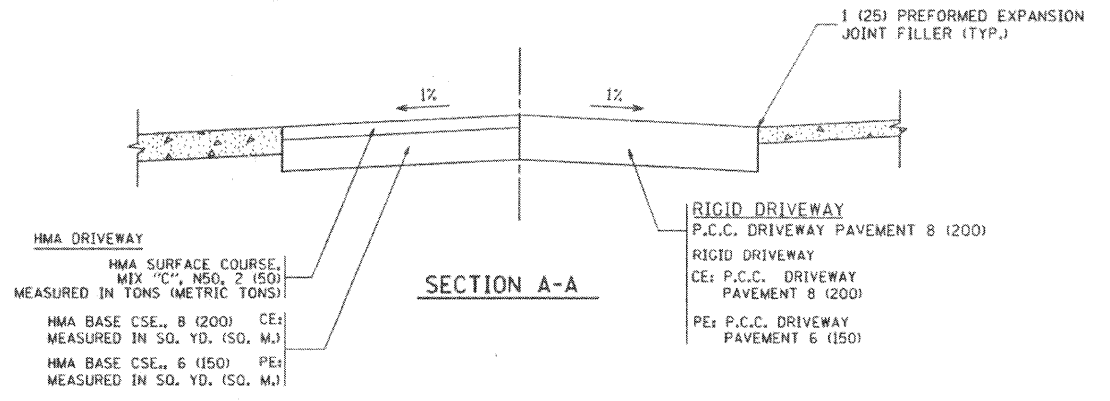
PLAN
10' (3.0 m) TO < 15' (4.5 m)



PLAN
6' (1.8 m) TO < 10' (3.0 m)

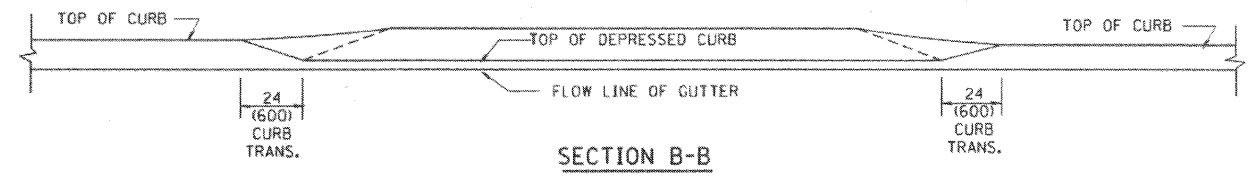


PLAN
6' (1.8 m) TO 10' (3.0 m)

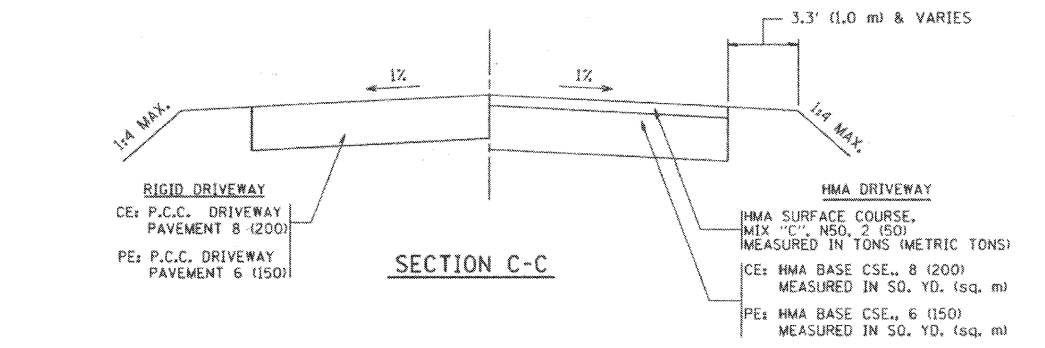


HMA DRIVEWAY
HMA SURFACE COURSE, MIX "C", N50, 2 (50) MEASURED IN TONS (METRIC TONS)
HMA BASE CSE., 8 (200) CE: MEASURED IN SQ. YD. (SQ. M.)
HMA BASE CSE., 6 (150) PE: MEASURED IN SQ. YD. (SQ. M.)

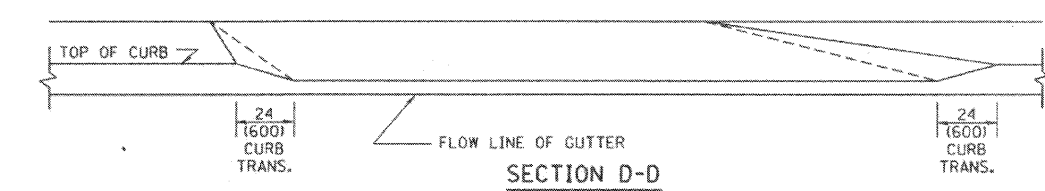
RIGID DRIVEWAY
P.C.C. DRIVEWAY PAVEMENT 8 (200)
RIGID DRIVEWAY CE: P.C.C. DRIVEWAY PAVEMENT 8 (200)
PE: P.C.C. DRIVEWAY PAVEMENT 6 (150)



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

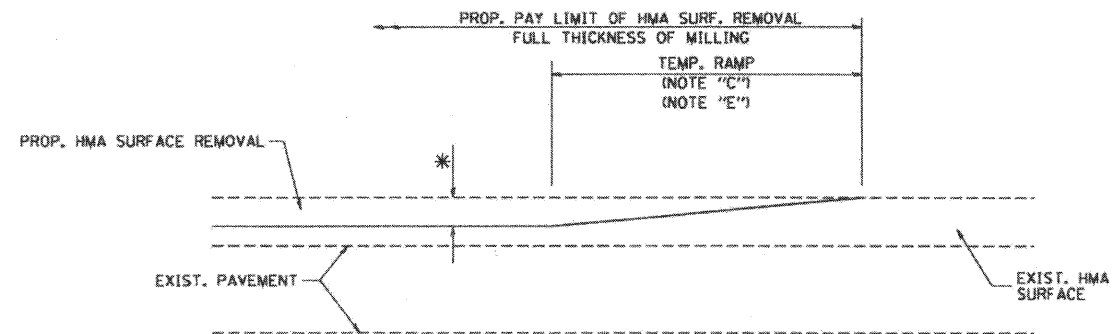
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

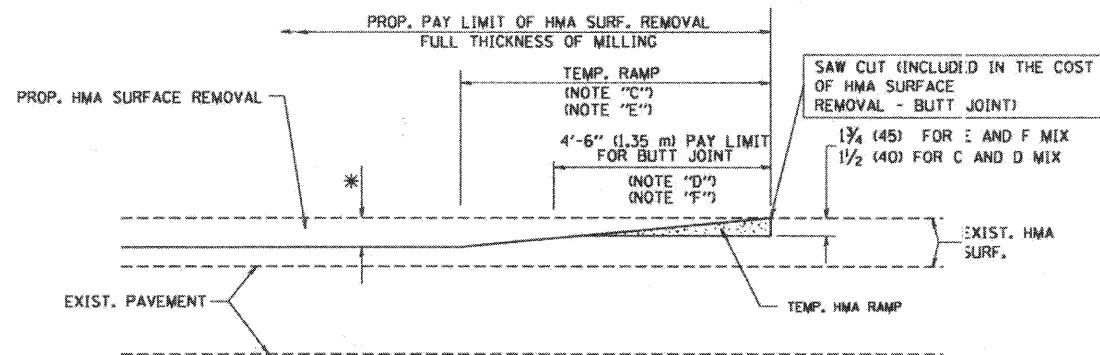
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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					DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)		BD400-02 (BD-02)		CONTRACT NO. 63586			
					SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
		DRAWN -	REVISED - M. GOMEZ 04-06-01									
		CHECKED -	REVISED - P. LOFLEUR 04-15-03									
		DATE - 11-06-95	REVISED - R. BORO 01-01-07									



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

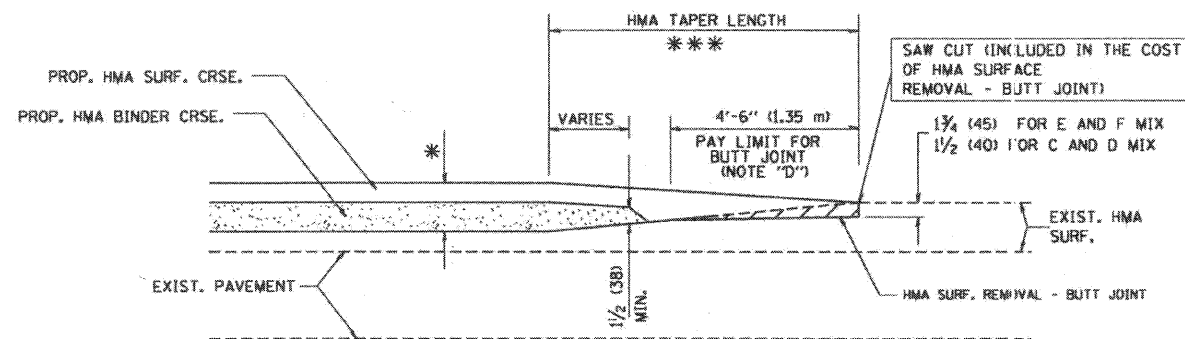
OPTION 1



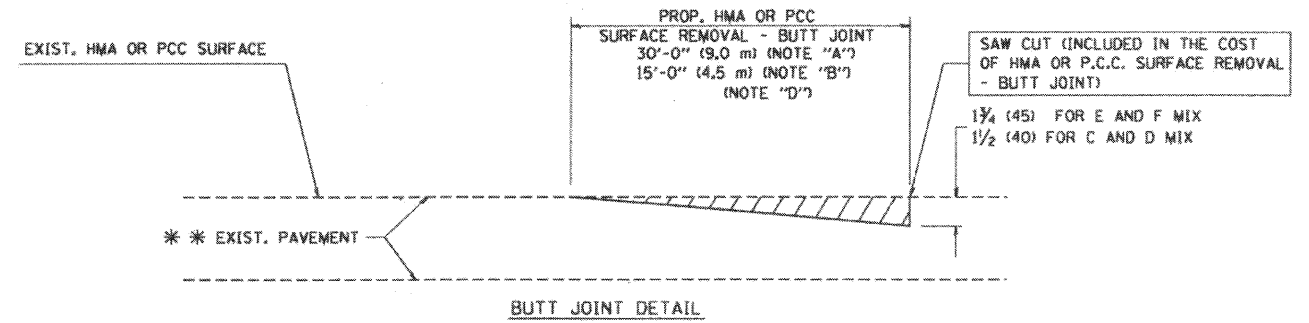
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

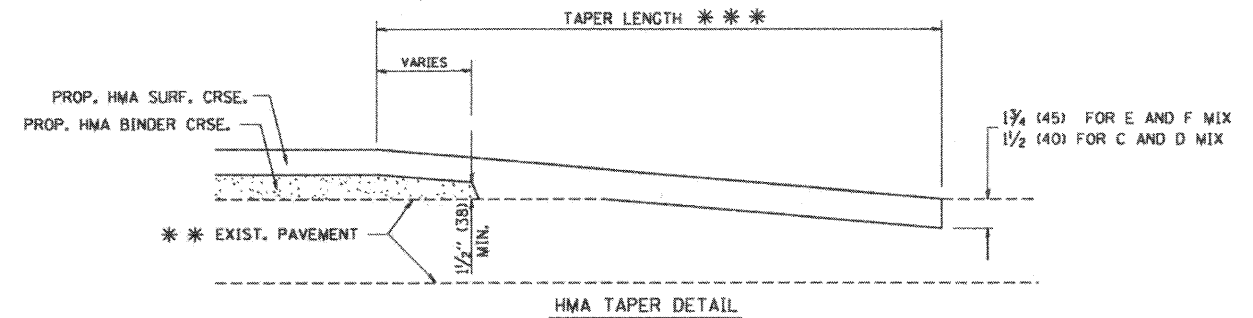
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- ** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

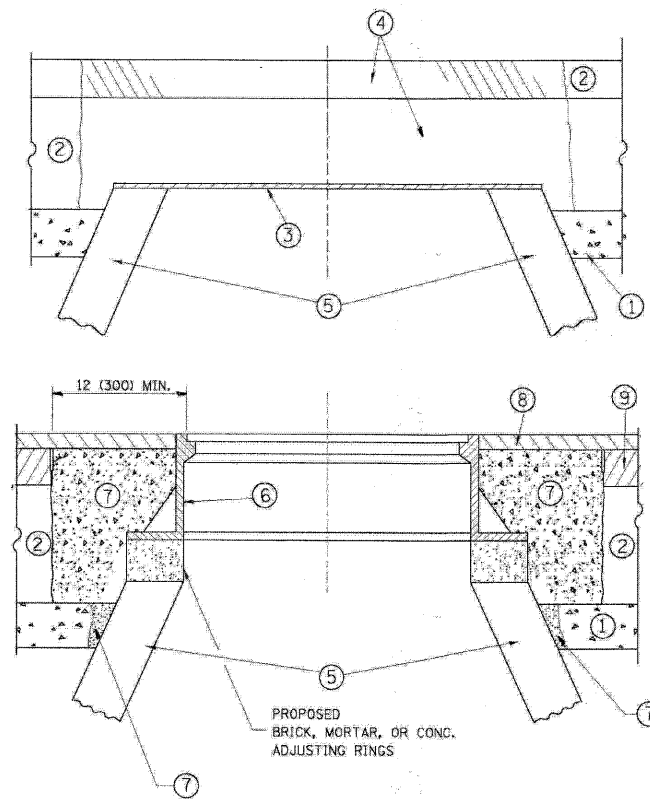
THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

FILE NAME = M:\data\td\122x34\bd32.dgn	USER NAME = goglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAN 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2000	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.
BUTT JOINT AND HMA TAPER DETAILS					
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
328	10-00040-00-PV	WILL	31	31	
BD400-05 BD32			CONTRACT NO. 63586		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

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

NOTES:

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

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

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

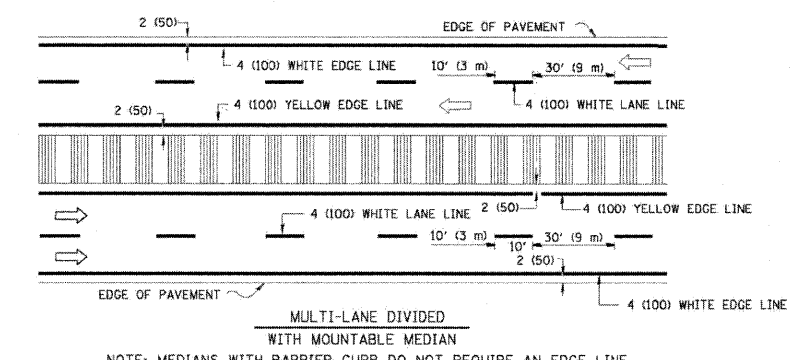
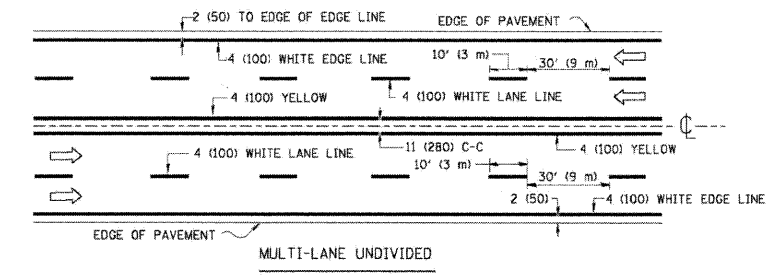
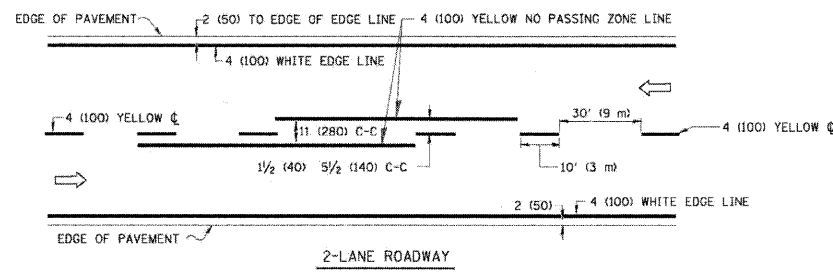
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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

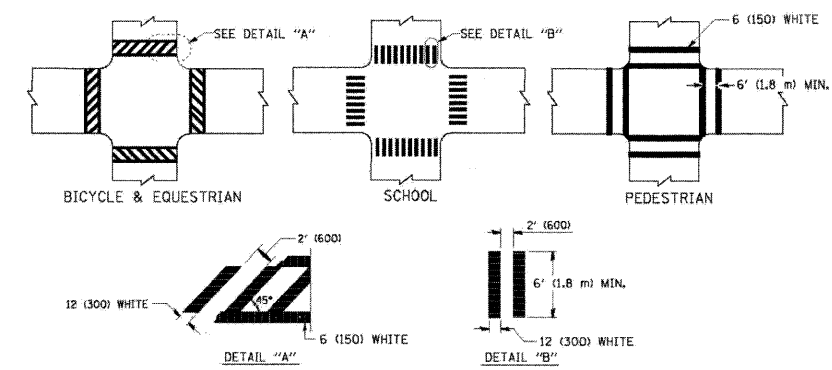
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

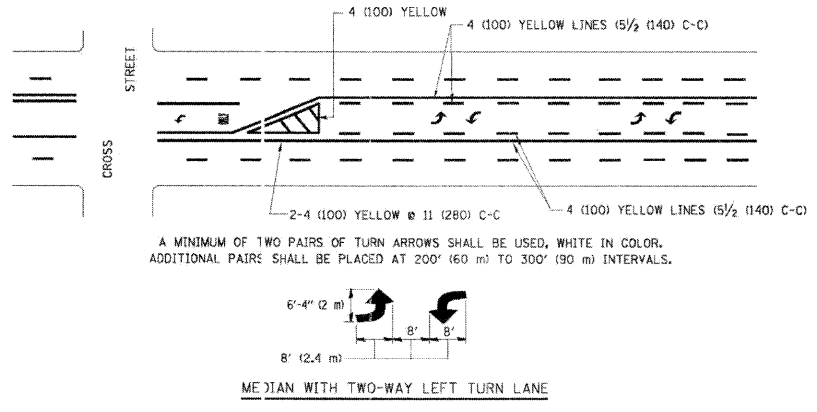
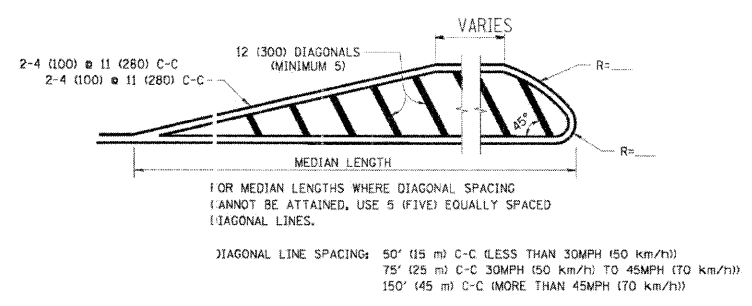
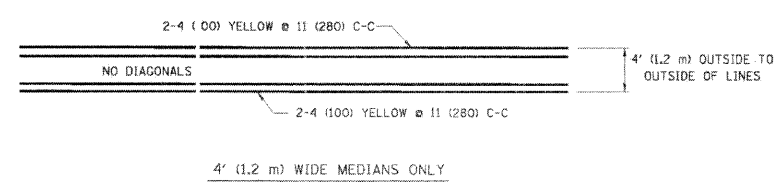
FILE NAME =	USER NAME = jaygo	DESIGNED - R. SHAH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ai\poc\work\poc\do\j\logee\ad\188318\6a00r.dwg		DRAWN -	REVISED - R. WIEDEMAN 05-14-04			328	10-00040-00-PV	WILL	31	31A
PLOT SCALE = 49.9999 1/4 IN.		CHECKED -	REVISED - R. BORO 01-01-07			BD600-03 (BD-8)		CONTRACT NO. 63586		
PLOT DATE = 3/19/2011		DATE - 10-25-94	REVISED - R. BORO 03-09-11	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



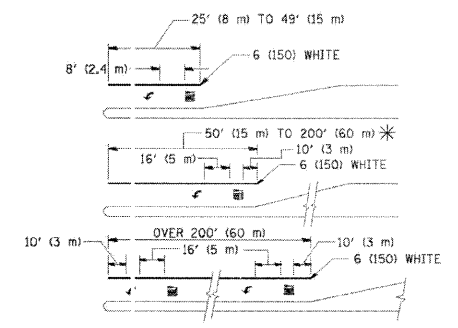
TYPICAL LANE AND EDGE LINE MARKING



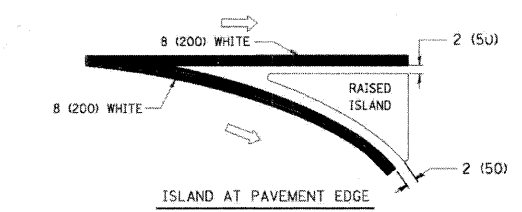
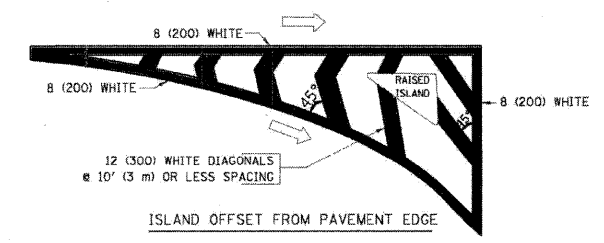
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE



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 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.