

F.A.U. RTE. 1867 & 3794	SECTION 14-00110-00-SW	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 1
ILLINOIS		CONTRACT NO. 61B42		

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

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SEE SHEET 2 FOR LIST OF STATE STANDARDS.

FAP 0559 IL 58 (GOLF ROAD)  
RING ROAD TO NEW WILKE ROAD  
SIDEWALKS AND PEDESTRIAN SIGNALS  
SECTION: 14-00110-00-SW  
PROJECT No.: CMM-4003 (375)  
CITY OF ROLLING MEADOWS  
COOK COUNTY  
JOB No.: C-91-417-14



LOCATION OF SECTION INDICATED THUS: - [highlighted area] -

**GARY ROZWADOWSKI**  
062-051689 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS  
*Gary Rozwadowski* 3/13/15  
ENGINEER DATE  
**GARY ROZWADOWSKI**  
ILLINOIS REGISTRATION No. 062-051689  
EXPIRATION DATE: 11/30/2015

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED *Fred Vaaf* 3/11/15  
DIRECTOR OF PUBLIC WORKS  
CITY OF ROLLING MEADOWS

PASSED *April 2, 2015*  
*Christopher Hunt*  
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW *April 2, 2015*  
*John Peterson*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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OF THE STATE OF ILLINOIS**

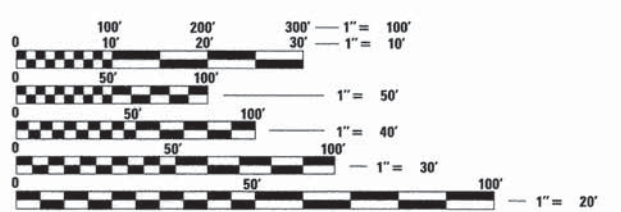
**CB** **CHRISTOPHER B. BURKE ENGINEERING, LTD.**  
9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175  
EXPIRATION DATE: 05/30/15

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E. (847) 705-4021 SCHAMBURG, IL

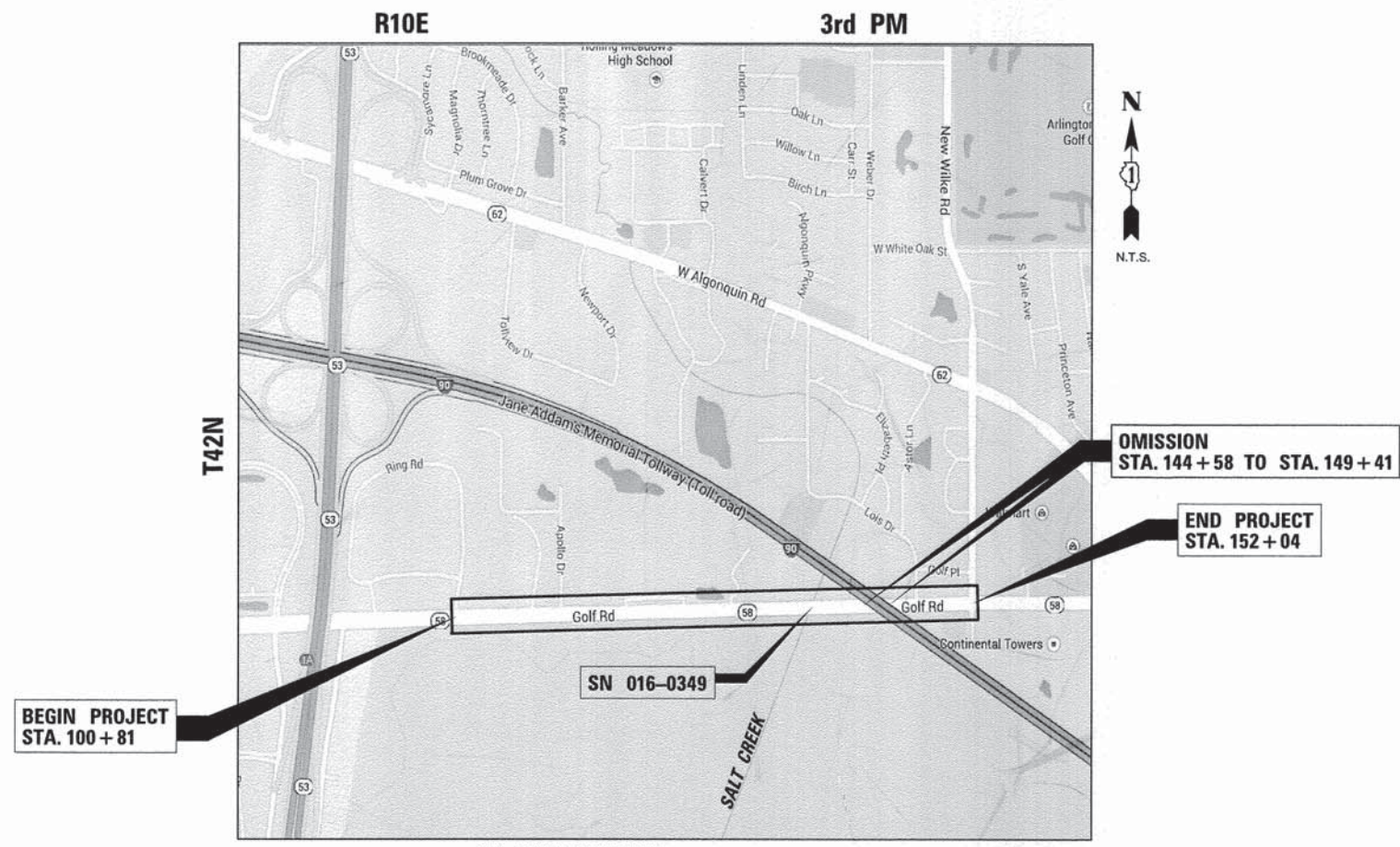
**TRAFFIC DATA**

GOLF ROAD ADT = 33100 YEAR 2013  
DESIGN DESIGNATION = PRINCIPAL ARTERIAL (45 MPH)  
POSTED SPEED LIMIT = 45 MPH



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

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



BEGIN PROJECT STA. 100 + 81

SN 016-0349

OMISSION STA. 144 + 58 TO STA. 149 + 41

END PROJECT STA. 152 + 04

ELK GROVE TOWNSHIP  
GROSS LENGTH = 5,065 FT = 1.1 MILE  
NET LENGTH = 2,700 FT = 0.5 MILE

CONTRACT NO. 61B42

## GENERAL NOTES

- |  |   |  |
|--|---|--|
| <p>1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012: THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2015: THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), THE "DETAILS" IN THE PLANS, THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS, THE AMERICANS WITH DISABILITIES ACT OF 1990 ACCESSIBILITY GUIDELINES, THE "DRAFT" REHABILITATION ACT OF 1973 (SECTION 504), AND THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES.</p> <p>2. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.</p> <p>3. THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS OF OSHA DURING CONSTRUCTION OF IMPROVEMENTS AND RESTORATION. NEITHER THE CITY NOR ITS APPOINTED ENGINEER SHALL BE RESPONSIBLE FOR THE CONTRACTOR'S COMPLIANCE WITH OSHA.</p> <p>4. THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.</p> <p>5. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.</p> <p>6. CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD): ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR 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 FOR THE ASSOCIATED ITEMS IN THE CONTRACT THAT REQUIRE REMOVAL AND DISPOSAL OF CCDD AND UNCONTAMINATED SOIL, UNLESS PROVIDED BY THE VILLAGE AS DESCRIBED BELOW. CONTRACTOR COSTS SHALL INCLUDE BUT NOT BE LIMITED TO STATE AND LOCAL TIPPING FEES.</p> <p>7. THE CONTRACTOR SHALL LIMIT HIS CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.</p> <p>8. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION. IF EXISTING SIGNS ARE DAMAGED DURING THE REMOVAL AND REPLACEMENT PROCESS, THE SIGN SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.</p> <p>9. PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.</p> <p>10. ALL SAWCUTTING SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.</p> <p>11. AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL STREETS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS, ETC. THE WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF ROLLING MEADOWS.</p> <p>12. THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT EXCEPT FOR PERIODS OF SHORT DURATION AS APPROVED BY THE ENGINEER.</p> <p>13. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, SUCH AS WATER MAIN, SEWERS, GAS LINES, ETC. AS SHOWN ON THE PLANS, HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 FOR UTILITY LOCATIONS.</p> <p>14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE</p> | <p>REPAIRED TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE AT THE CONTRACTORS EXPENSE.</p> <p>15. EARTH EXCAVATION: 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.</p> <p>16. DRAINAGE: DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT IS INCLUDED IN THE COST OF THOSE DRAINAGE ITEMS.</p> <p>17. ALL PEDESTRIAN ROUTES CONSTRUCTED AS PART OF THIS PROJECT SHALL BE ADA COMPLIANT.</p> <p>18. THE PROTECTIVE COATING SHALL BE APPLIED TO THE EXPOSED SURFACES OF THE CONCRETE CURB AND GUTTER, SIDEWALK AND DRIVEWAYS. CONCRETE CURING SHALL BE LIMITED TO METHODS SPECIFIED IN ARTICLE 1020.13 (A) [1], [2], AND [3].</p> <p>19. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.</p> <p>20. THE CONTRACTOR SHALL INSTALL/MAINTAIN/REMOVE INLET FILTERS IN ALL OPEN LID DRAINAGE STRUCTURES IN THE PAVEMENT THAT ARE WITHIN THE WORK ZONE OR ACCEPT STORMWATER THAT FLOWS OUT OF THE WORK ZONE, AND AT LOCATIONS AS DIRECTED BY THE ENGINEER.</p> <p>21. PERPENDICULAR CURB RAMPS SHALL BE 6' WIDE FACE TO FACE OF CURB. THE 6' SIDEWALK SHALL CONTINUE BEYOND THE SIDEWALK CURB UNTIL IT MEETS EXISTING MAINLINE SIDEWALK. THE ADDITIONAL SIDEWALK WIDTH AND CURB SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.</p> <p>22. AREAS OF PARKWAY RESTORATION ARE SHOWN ON THE PLANS. AREAS DISTURBED BY THE CONTRACTOR BEYOND THOSE SHOWN IN THE PLANS SHALL BE REPAIRED AT CONTRACTORS EXPENSE.</p> <p>23. THE CONTRACTOR SHALL INFORM THE IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED TO SCHEDULE OF MAINTENANCE TRANSFER OF THE TRAFFIC SIGNALS.</p> <p>24. THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES ON IL RTE 58.</p> <p>25. WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND CITY UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE CITY OF ROLLING MEADOW AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER.</p> <p>26. AS SHOWN ON SHEET 5, SUBBASE GRANULAR MATERIAL 4" IS INCLUDED IN THE COST OF PCC SIDEWALK 5", SPECIAL.</p> <p>27. HIGHWAY STANDARD 701421 SHOULD BE USED FOR ALL THROUGH LANE CLOSURE ON ILL. RTE 58.</p> <p>28. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.</p> <p>29. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES, AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).</p> | <p>30. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.</p> <p>31. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.</p> <p>32. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST FOR 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.</p> |
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1	COVER SHEET
2	GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5	TYPICAL SECTIONS
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10-14	PLAN AND PROFILE
15-16	MAINTENANCE OF TRAFFIC
17-18	LANDSCAPING PLANS
19-20	TRAFFIC SIGNALS GOLF/RING
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23-29	TRAFFIC SIGNAL DETAILS
30-33	STRUCTURAL PLANS
34-35	CONSTRUCTION DETAILS
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43-60	CROSS SECTIONS

### LIST OF HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREV. & PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-13	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701006-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701421-07	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS 45MPH TO 55MPH
701423-08	LANE CLOSURE, MULTILANE WITH BARRIER, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-07	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
876001-03	PEDESTRIAN PUSH BUTTON POST

### DISTRICT 1 DETAILS

BD-01	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND FACE OF CURB & SHOULDER GREATER THAN 15'
BD-02	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND FACE OF CURB LESS THAN 15'
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-34	DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT 1 TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

			0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	1,500
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	58
20700220	POROUS GRANULAR EMBANKMENT	CU YD	58
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2,250
S 25000210	SEEDING, CLASS 2A	ACRE	1
S 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	35
S 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	35
S 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	35
25100630	EROSION CONTROL BLANKET	SQ YD	2,250
28000400	PERIMETER EROSION BARRIER	FOOT	513
28000510	INLET FILTERS	EACH	5
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	35
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	159
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	72
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	18
42001300	PROTECTIVE COAT	SQ YD	1,929
42400800	DETECTABLE WARNINGS	SQ FT	315
44000100	PAVEMENT REMOVAL	SQ YD	177
44000300	CURB REMOVAL	FOOT	47
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	803
44000600	SIDEWALK REMOVAL	SQ FT	4,380
44003100	MEDIAN REMOVAL	SQ FT	97
48100900	AGGREGATE SHOULDERS, TYPE A 10"	SQ YD	52
S 50300255	CONCRETE SUPERSTRUCTURE	CU YD	9

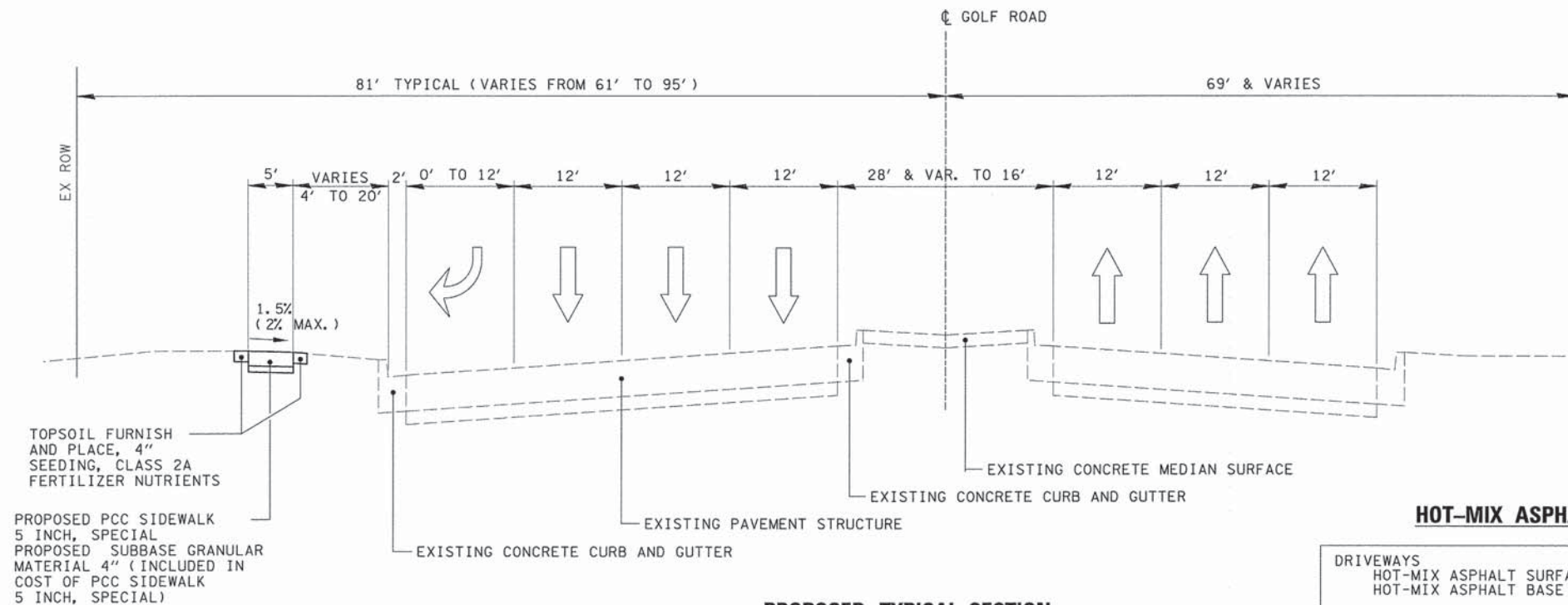
\* REQUIRES SPECIAL PROVISION  
S INDICATES SPECIALTY ITEM

			0021
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
S 50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,730
S 50901750	PARAPET RAILING	FOOT	141
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	277
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	526
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	70
S 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	155
S 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1
S 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1
S 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1
S 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1
S 63200310	GUARDRAIL REMOVAL	FOOT	152
S 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	720
S 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1
S 66900530	SOIL DISPOSAL ANALYSIS	EACH	1
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	100
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	680
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	230
70400100	TEMPORARY CONCRETE BARRIER	FOOT	225
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1
S 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,305
S 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	766
S 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50

				0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
S	78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	80
S	78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	6
S	78200530	BARRIER WALL MARKERS, TYPE C	EACH	12
S	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	224
S	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	56
*S	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
S	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,486
S	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,570
S	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	143
S	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3
S	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
S	87900200	DRILL EXISTING HANDHOLE	EACH	3
S	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12
S	88800100	PEDESTRIAN PUSH-BUTTON	EACH	12
S	89502200	MODIFY EXISTING CONTROLLER	EACH	2
S	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2
*S	89502376	REBUILD EXISTING HANDHOLE	EACH	5
S	A2000118	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	3
S	A2002374	TREE, BETULA NIGRA (RIVER BIRCH), 10' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	10
S	A2008024	TREE, TILIA CORDATA (LITTLE LEAF LINDEN), 3" CALIPER, BALLED AND BURLAPPED	EACH	7
S	B2000774	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 3" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3
S	B2001570	TREE, CRATAEGUS CRUSGALLI (COCKSPUR HAWTHORN), 8' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	11
S	C2000536	SHRUB, ARONIA MELANOCARPA (BLACK CHOKE BERRY), 3' HEIGHT, BALLED AND BURLAPPED	EACH	157
S	C2C01936	SHRUB, CORNUS SERICEA BAILEYI (BAILEY REDOSIER DOGWOOD), 3' CONTAINER	EACH	6

\* REQUIRES SPECIAL PROVISION  
S INDICATES SPECIALTY ITEM

				0021
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
S	C2011948	SHRUB, VIBURNUM DENTATUM RALPH SENIOR (AUTUMN JAZZ ARROWWOOD VIBURNUM), 4' HEIGHT, BALLED AND BURLAPPED	EACH	22
S	C2015302	SHRUB, JUNIPERUS CHINENSIS KALLAY'S COMPACTA, (KALLAY COMPACT JUNIPER), 5-GALLON	EACH	6
S	C2C03428	SHRUB, HYDRANGEA MACROPHYLLA ENDLESS SUMMER (ENDLESS SUMMER BIGLEAF HYDRANGEA), 2' HEIGHT, CONTAINER GROWN	EACH	21
S	C2C07465	SHRUB, ROSA RADCON (RADCON PINK KNOCK-OUT ROSE), CONTAINER GROWN, 5-GALLON	EACH	8
S	D2C00724	EVERGREEN, JUNIPERUS CHINENSIS VAR. SARGENTII VIVIDIS (GREEN SARGENT JUNIPER), 2' WIDTH, CONTAINER	EACH	82
S	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	3
*	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	18,750
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
*S	X8140102	GROUND EXISTING HANDHOLE	EACH	1
*S	Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY 2 1/2"	SQ YD	63
*S	Z0006020	BRIDGE DECK LATEX CONCRETE OVERLAY 3 1/2"	SQ YD	23
*S	Z0012140	BRIDGE DECK SCARIFICATION 2"	SQ YD	63
*S	Z0012152	BRIDGE DECK SCARIFICATION 3 1/2"	SQ YD	23
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52
	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2



**PROPOSED TYPICAL SECTION**

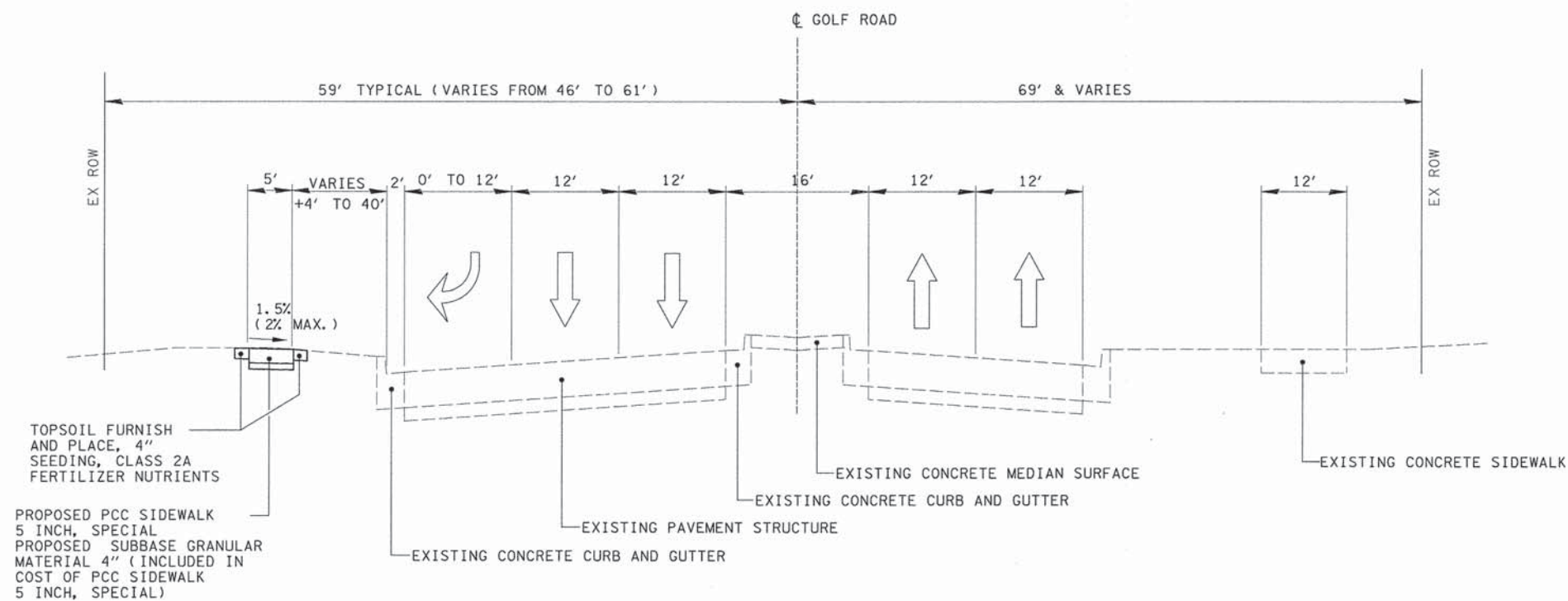
STA. 100+81 TO STA. 120+00, IL ROUTE 58 (GOLF ROAD)

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

DRIVEWAYS	AIR VOIDS @Ndes
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE; 8" (HMA BINDER 1L-19 mm)	4% @ 50 GYR

**NOTE:**

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
4. FOR RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



**PROPOSED TYPICAL SECTION**

STA. 120+00 TO STA. 154+04, IL ROUTE 58 (GOLF ROAD)

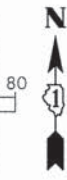
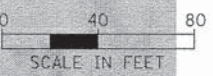
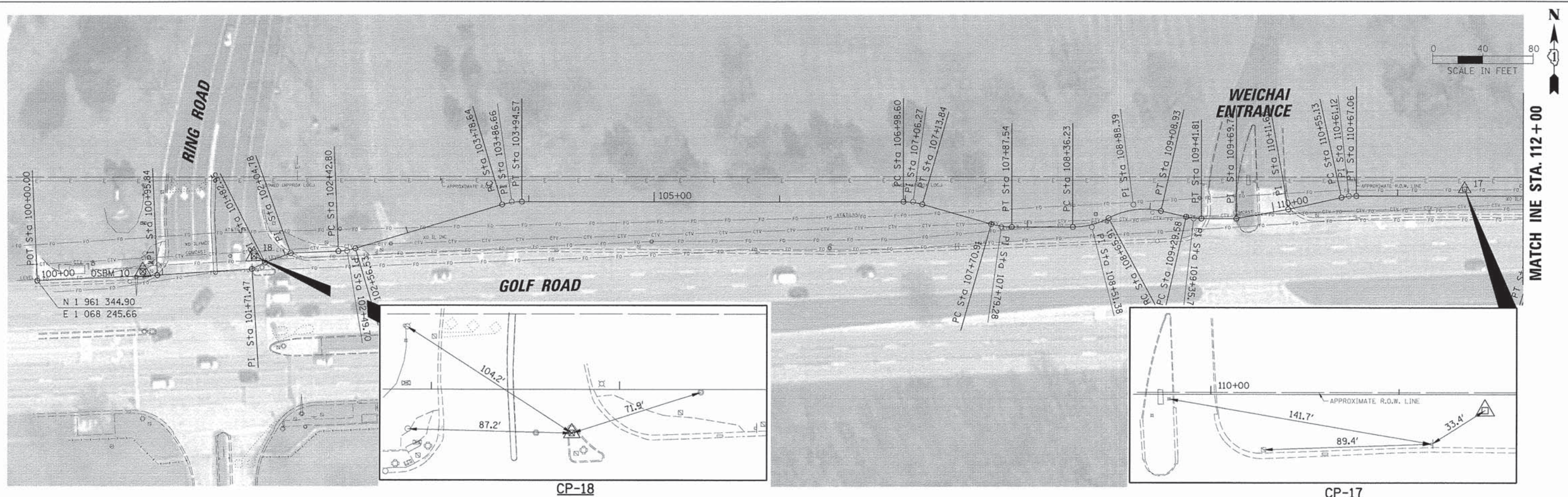
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Default	PLOT DATE = 4/6/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

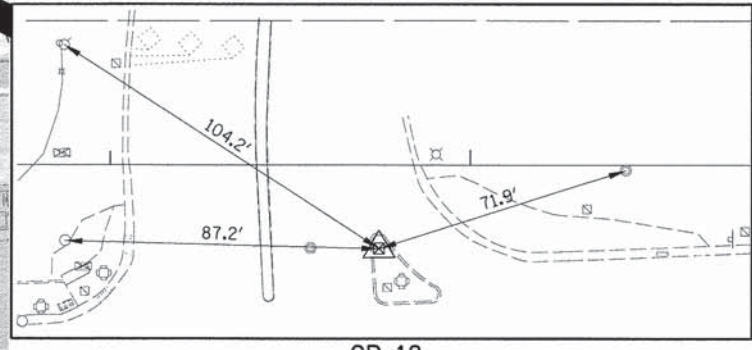
**PROPOSED SIDEWALK NORTH SIDE OF GOLF ROAD  
TYPICAL SECTIONS**

SCALE: 1"=20' SHEET 5 OF 60 SHEETS STA. TO STA.

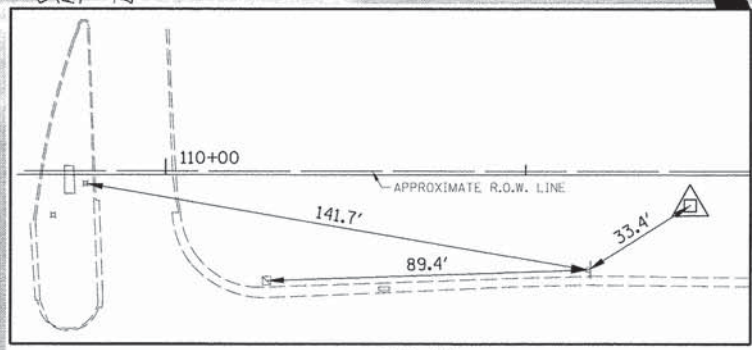
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	5
				CONTRACT NO. 61B42
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 112 + 00



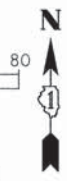
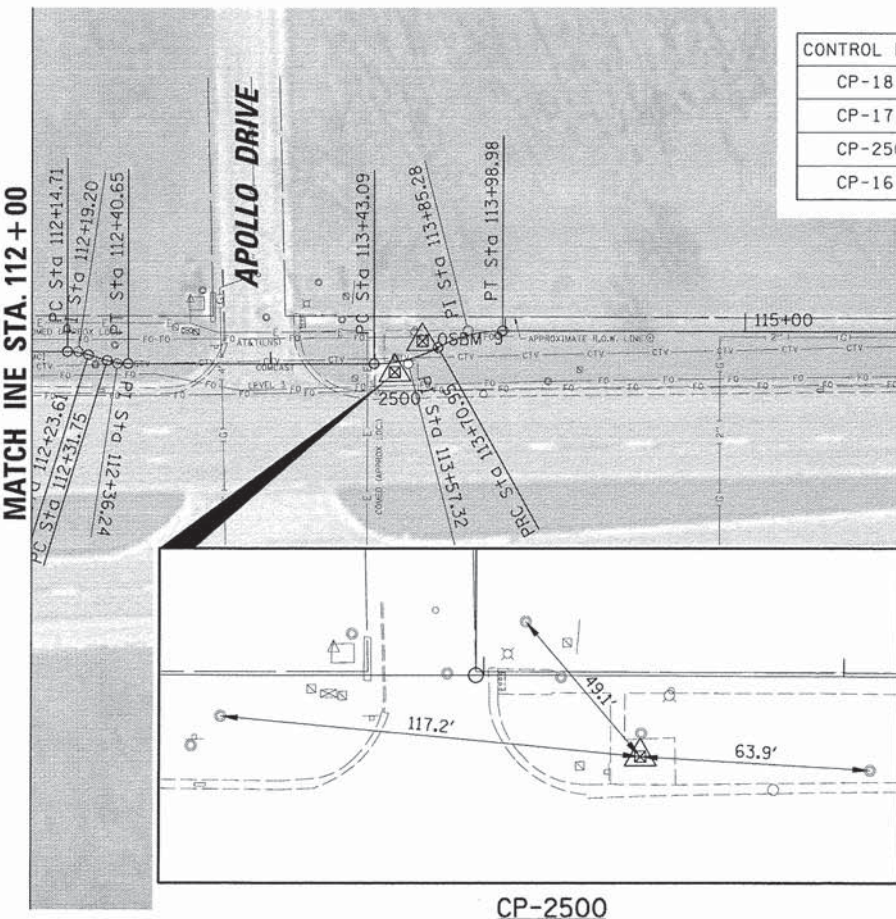
CP-18



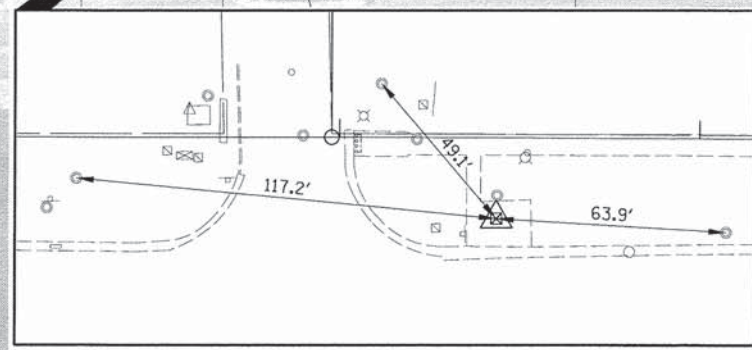
CP-17

HORIZONTAL CONTROL POINTS

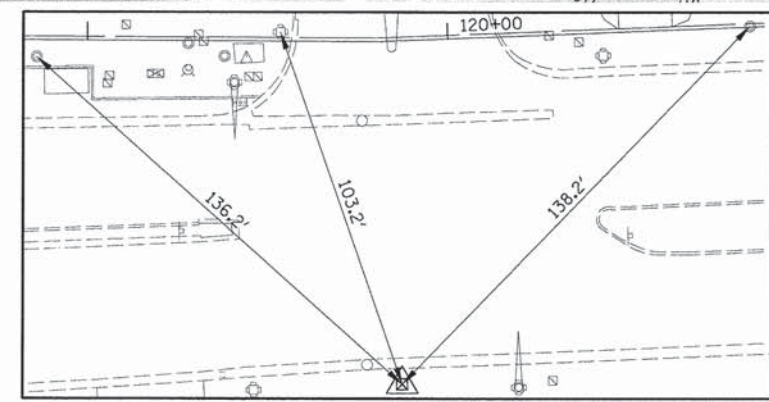
CONTROL POINTS	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
CP-18	1961362.14	1068418.63	CP-XCUT	101+74.64	23.15 RT
CP-17	1961404.29	1069384.13	CP-REBAR	111+53.43	5.51 RT
CP-2500	1961387.91	1069581.65	CP-XCUT	113+51.17	4.14 RT
CP-16	1961305.12	1070224.89	CP-REBAR	119+92.03	85.60 RT



MATCH LINE STA. 124 + 00



CP-2500



CP-16

ELEVATION BENCHMARKS		DATUM: NAVD '88 ROLLING MEADOWS	
NO.	DESCRIPTION	ELEV.	
STA. 1	ROLLING MEADOWS MONUMENT STATION 1 -	693.36	
	ROLLING ROD MONUMENT WEST OF NEW WILKE RD. AND		
	MEADOWS WEST OF PORTILLO'S JUST SOUTH OF GOLF		
	MONUMENT PLACE IN GRASS @ WELL #6		
OSBM 1	X-CUT ON NE FLANGE BOLT OF HYDRANT AT	694.76	
	NE CORNER OF LOIS DR. & GOLF RD.		
OSBM 4	NW CORNER OF NW WING WALL OVER SALT	696.14	
	CREEK ON NORTH SIDE OF GOLF RD.		
OSBM 5	NW BOLT OF HYDRANT ON NORTH SIDE OF	696.23	
	GOLF RD. EAST OF ENTRANCE DRIVE TO		
	*2250 GOLF RD.		
OSBM 7	NW BOLT OF FIRST HYDRANT EAST OF GOULD	698.40	
	DRIVE ON NORTH SIDE OF GOLF RD.		
OSBM 9	NW FLANGE BOLT OF HYDRANT ON NORTH	701.92	
	SIDE OF GOLF RD. @ NE CORNER OF		
	ENTRANCE DRIVE TO *2950 GOLF RD		
OSBM 10	SQUARE CUT ON SOUTHEAST CORNER OF	714.91	
	TRAFFIC CONTROL BOX AT NW CORNER OF		
	GOLF RD. & RING RD.		

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	PLOT DATE = 4/6/2015	DATE -	REVISED -

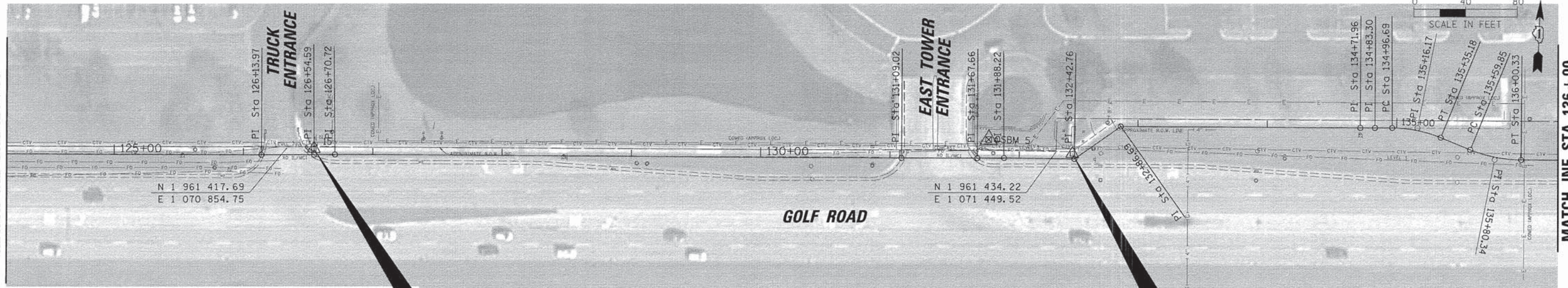
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED SIDEWALK NORTH SIDE OF GOLF ROAD  
ALIGNMENT, TIES AND BENCHMARKS

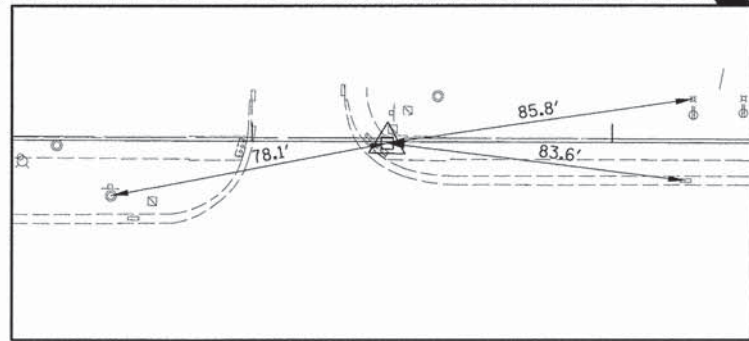
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-0010-00-SW	COOK	60	6
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

MATCH INE STA. 124 + 00



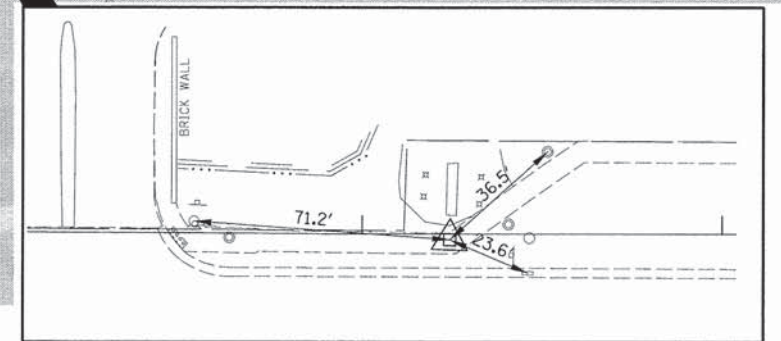
MATCH INE STA. 136 + 00



CP-15

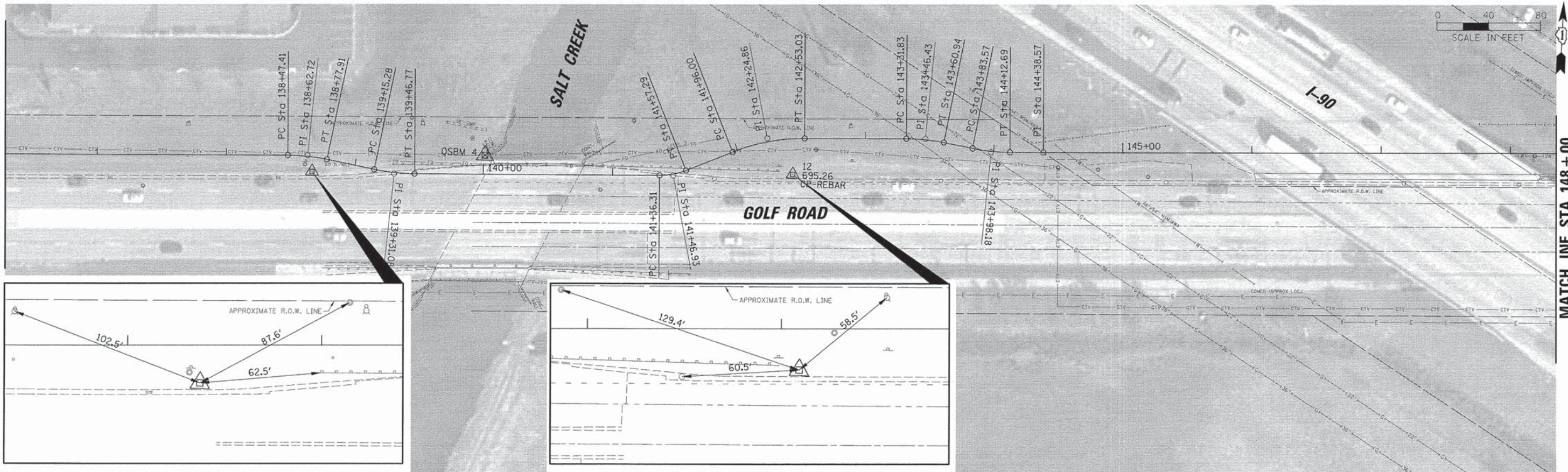
**HORIZONTAL CONTROL POINTS**

CONTROL POINTS	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
CP-15	1961417.86	1070875.71	CP-XCUT	126+54.45	4.60 RT
CP-14	1961433.10	1071462.27	CP-XCUT	132+41.15	3.93 RT
CP-13	1961387.91	1072075.53	CP-REBAR	138+67.78	11.18 RT
CP-12	1961445.54	1072447.28	CP-REBAR	142+41.88	27.31 RT

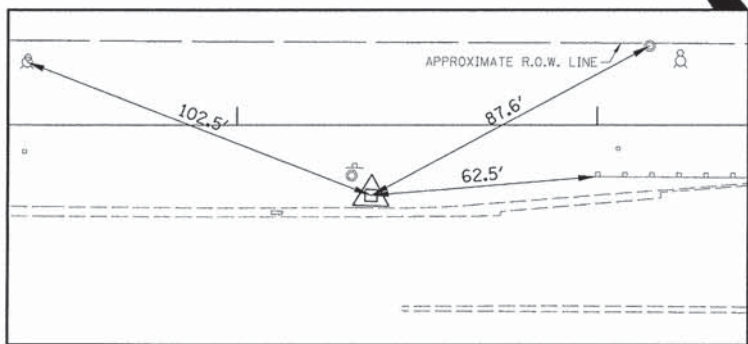


CP-14

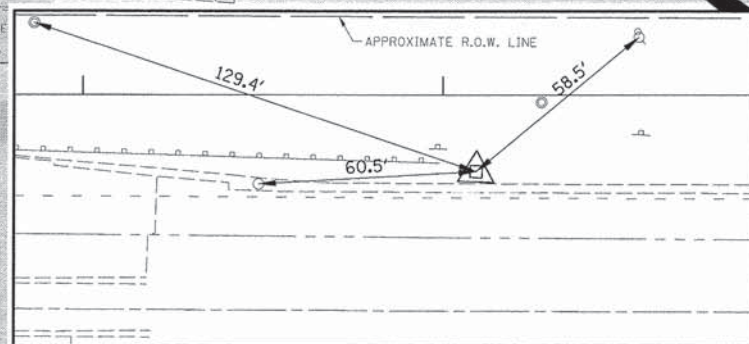
MATCH INE STA. 136 + 00



MATCH INE STA. 148 + 00



CP-13



CP-13

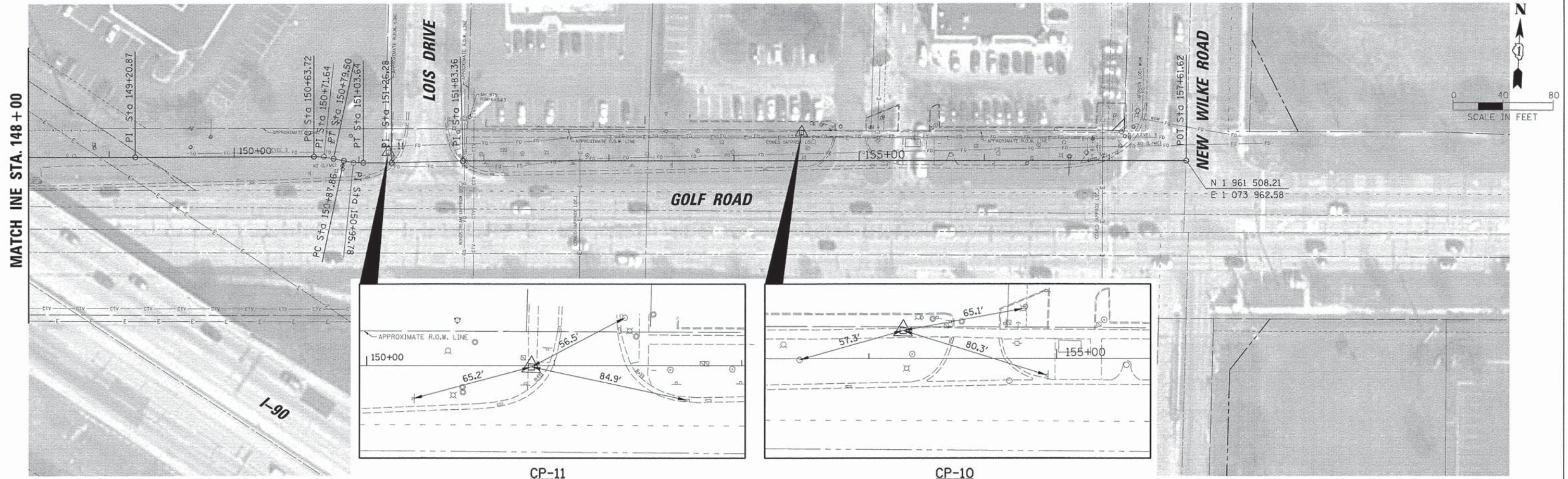
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PLOT DATE = 4/6/2015		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIDEWALK NORTH SIDE OF GOLF ROAD  
ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1"=20' SHEET 7 OF 60 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	7
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				



CP-11

CP-10

HORIZONTAL CONTROL POINTS

CONTROL POINTS	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET
CP-11	1961494.55	1073324.73	CP-XCUT	151+23.64	8.59 RT
CP-10	1961520.97	1073654.43	CP-XCUT	154+54.05	22.78 RT

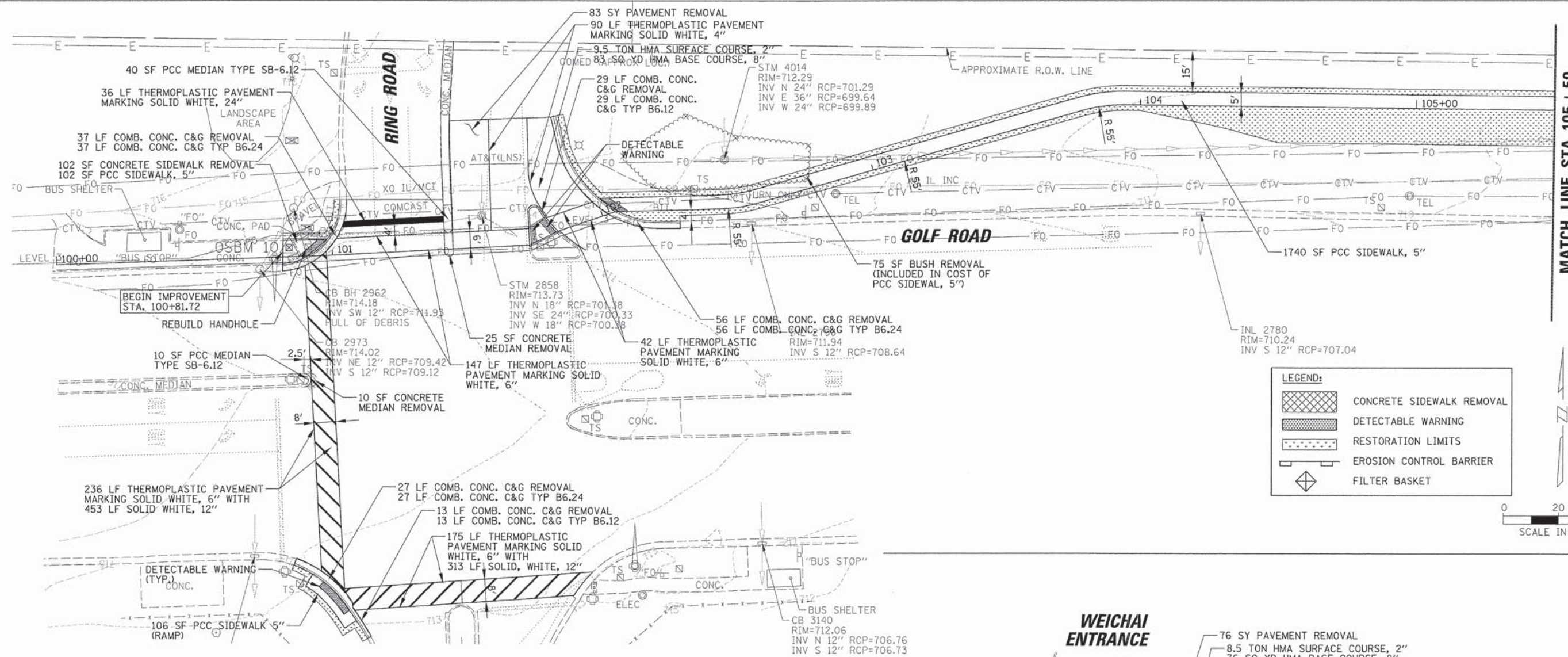
ELEVATION BENCHMARKS DATUM: NAVD '88 ROLLING MEADOWS		
NO.	DESCRIPTION	ELEV.
STA. 1	ROLLING MEADOWS MONUMENT STATION 1 - (ROLLING ROD MONUMENT WEST OF NEW WILKE RD. AND MEADOWS WEST OF PORTILLO'S JUST SOUTH OF GOLF MONUMENT) PLACE IN GRASS @ WELL #6	693.36
OSBM 1	X-CUT ON NE FLANGE BOLT OF HYDRANT AT NE CORNER OF LOIS DR. & GOLF RD.	694.76
OSBM 4	NW CORNER OF NW WING WALL OVER SALT CREEK ON NORTH SIDE OF GOLF RD.	696.14
OSBM 5	NW BOLT OF HYDRANT ON NORTH SIDE OF GOLF RD. EAST OF ENTRANCE DRIVE TO #2250 GOLF RD.	696.23
OSBM 7	NW BOLT OF FIRST HYDRANT EAST OF GOULD DRIVE ON NORTH SIDE OF GOLF RD.	698.40
OSBM 9	NW FLANGE BOLT OF HYDRANT ON NORTH SIDE OF GOLF RD. @ NE CORNER OF ENTRANCE DRIVE TO #2950 GOLF RD.	701.92
OSBM 10	SQUARE CUT ON SOUTHEAST CORNER OF TRAFFIC CONTROL BOX AT NW CORNER OF GOLF RD. & RING RD.	714.91



PROP. CURVE BASELINE-1 PI STA. = 102+49.70 Δ = 14° 17' 50" (LT) D = 104° 10' 27" R = 55.00' T = 6.90' L = 13.72' E = 0.43' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 102+42.80 P.T. STA. = 102+56.53	PROP. CURVE BASELINE-2 PI STA. = 103+86.66 Δ = 16° 35' 15" (RT) D = 104° 10' 27" R = 55.00' T = 8.02' L = 15.92' E = 0.58' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 103+78.64 P.T. STA. = 103+94.57	PROP. CURVE BASELINE-3 PI STA. = 107+06.27 Δ = 15° 52' 36" (RT) D = 104° 10' 27" R = 55.00' T = 7.67' L = 15.24' E = 0.53' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 106+98.60 P.T. STA. = 107+13.84	PROP. CURVE BASELINE-4 PI STA. = 107+79.28 Δ = 15° 52' 36" (LT) D = 95° 29' 35" R = 60.00' T = 8.37' L = 16.63' E = 0.58' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 107+70.91 P.T. STA. = 107+87.54	PROP. CURVE BASELINE-5 PI STA. = 108+51.38 Δ = 28° 20' 36" (LT) D = 95° 29' 35" R = 60.00' T = 15.15' L = 29.68' E = 1.88' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 108+36.23 P.T. STA. = 108+65.91	PROP. CURVE BASELINE-6 PI STA. = 108+88.39 Δ = 41° 04' 57" (RT) D = 95° 29' 35" R = 60.00' T = 22.48' L = 43.02' E = 4.07' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 108+65.91 P.T. STA. = 109+08.93	PROP. CURVE BASELINE-7 PI STA. = 109+35.72 Δ = 12° 44' 21" (LT) D = 104° 10' 27" R = 55.00' T = 6.14' L = 12.23' E = 0.34' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 109+29.58 P.T. STA. = 109+41.81	PROP. CURVE BASELINE-8 PI STA. = 110+61.12 Δ = 12° 25' 43" (RT) D = 104° 10' 27" R = 55.00' T = 5.99' L = 11.93' E = 0.33' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 110+55.13 P.T. STA. = 110+67.06	PROP. CURVE BASELINE-9 PI STA. = 112+19.20 Δ = 16° 59' 42" (RT) D = 190° 59' 09" R = 30.00' T = 4.48' L = 8.90' E = 0.33' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 112+14.71 P.T. STA. = 112+23.61
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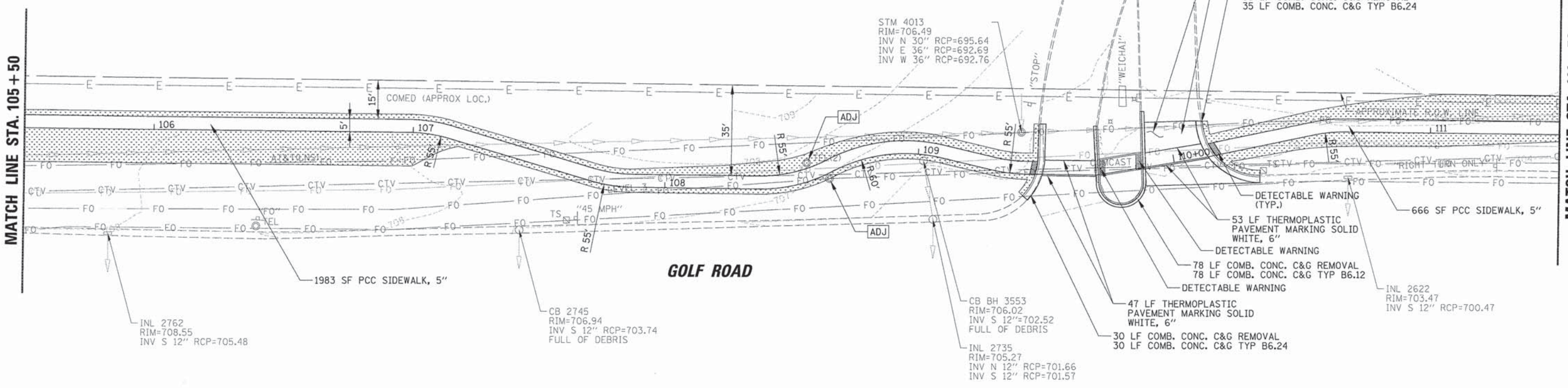
PROP. CURVE BASELINE-10 PI STA. = 112+36.24 Δ = 16° 59' 42" (LT) D = 190° 59' 09" R = 30.00' T = 4.48' L = 8.90' E = 0.33' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 112+31.75 P.T. STA. = 112+40.65	PROP. CURVE BASELINE-11 PI STA. = 113+57.32 Δ = 29° 01' 11" (LT) D = 104° 10' 27" R = 55.00' T = 14.23' L = 27.86' E = 1.81' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 113+43.09 P.T. STA. = 113+70.95	PROP. CURVE BASELINE-12 PI STA. = 113+85.28 Δ = 29° 12' 27" (RT) D = 104° 10' 27" R = 55.00' T = 14.33' L = 28.04' E = 1.84' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 113+70.95 P.T. STA. = 113+98.98	PROP. CURVE BASELINE-13 PI STA. = 118+51.47 Δ = 32° 39' 30" (RT) D = 104° 10' 27" R = 55.00' T = 16.11' L = 31.35' E = 2.31' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 118+35.35 P.T. STA. = 118+66.70	PROP. CURVE BASELINE-14 PI STA. = 118+83.38 Δ = 33° 43' 31" (LT) D = 104° 10' 27" R = 55.00' T = 16.67' L = 32.37' E = 2.47' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 118+66.70 P.T. STA. = 118+99.08	PROP. CURVE BASELINE-15 PI STA. = 119+56.79 Δ = 45° 28' 51" (LT) D = 238° 02' 59" R = 24.07' T = 10.09' L = 19.11' E = 2.03' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 119+46.70 P.T. STA. = 119+65.81	PROP. CURVE BASELINE-16 PI STA. = 135+16.17 Δ = 22° 03' 10" (RT) D = 57° 17' 45" R = 100.00' T = 19.49' L = 38.49' E = 1.88' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 134+96.69 P.T. STA. = 135+35.18	PROP. CURVE BASELINE-17 PI STA. = 135+80.34 Δ = 22° 05' 02" (LT) D = 54° 34' 03" R = 105.00' T = 20.49' L = 40.47' E = 1.98' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 135+59.85 P.T. STA. = 136+00.33	PROP. CURVE BASELINE-18 PI STA. = 138+62.72 Δ = 11° 39' 00" (RT) D = 38° 11' 50" R = 150.00' T = 15.30' L = 30.50' E = 0.78' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 138+47.41 P.T. STA. = 138+77.91
--	--	--	--	--	--	--	--	--

PROP. CURVE BASELINE-19 PI STA. = 139+31.08 Δ = 11° 38' 25" (LT) D = 36° 57' 54" R = 155.00' T = 15.80' L = 31.49' E = 0.80' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 139+15.28 P.T. STA. = 139+46.77	PROP. CURVE BASELINE-20 PI STA. = 141+46.93 Δ = 21° 50' 59" (LT) D = 104° 10' 27" R = 55.00' T = 10.62' L = 20.97' E = 1.02' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 141+36.31 P.T. STA. = 141+57.29	PROP. CURVE BASELINE-21 PI STA. = 142+24.86 Δ = 21° 46' 57" (RT) D = 38° 11' 50" R = 150.00' T = 28.86' L = 57.03' E = 2.75' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 141+96.00 P.T. STA. = 142+53.03	PROP. CURVE BASELINE-22 PI STA. = 143+46.43 Δ = 11° 07' 21" (RT) D = 38° 11' 50" R = 150.00' T = 14.61' L = 29.12' E = 0.71' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 143+31.83 P.T. STA. = 143+60.94	PROP. CURVE BASELINE-23 PI STA. = 143+98.18 Δ = 11° 07' 21" (LT) D = 38° 11' 50" R = 150.00' T = 14.61' L = 29.12' E = 0.71' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 143+83.57 P.T. STA. = 144+12.69	PROP. CURVE BASELINE-24 PI STA. = 150+71.64 Δ = 12° 03' 22" (RT) D = 76° 23' 40" R = 75.00' T = 7.92' L = 15.78' E = 0.42' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 150+63.72 P.T. STA. = 150+79.50	PROP. CURVE BASELINE-25 PI STA. = 150+95.78 Δ = 12° 03' 22" (LT) D = 76° 23' 40" R = 75.00' T = 7.92' L = 15.78' E = 0.42' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 150+87.86 P.T. STA. = 151+03.64
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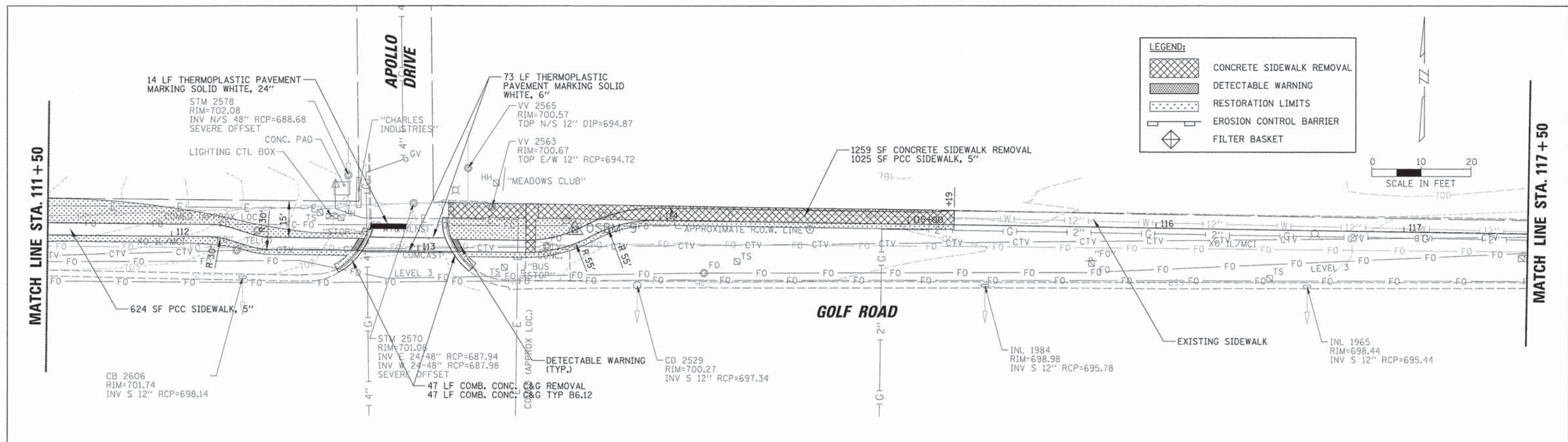


**LEGEND:**

- CONCRETE SIDEWALK REMOVAL
- DETECTABLE WARNING
- RESTORATION LIMITS
- EROSION CONTROL BARRIER
- FILTER BASKET

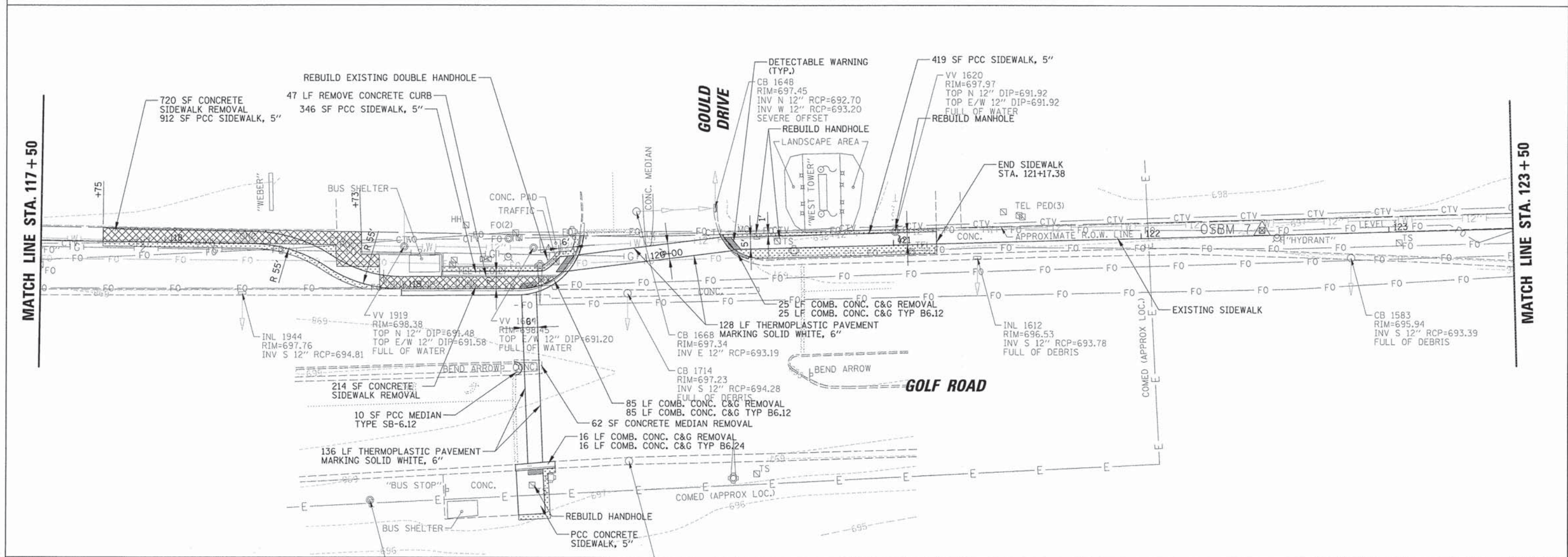
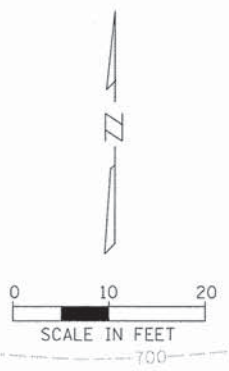


FILE NAME =	USER NAME = prazlan	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIDEWALK NORTH SIDE OF GOLF ROAD FROM RING ROAD TO NEW WILKE ROAD</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 20'	CHECKED -	REVISED -		CONTRACT NO. 61B42			ILLINOIS FED. AID PROJECT			
	PLOT DATE = 4/6/2015	DATE -	REVISED -		SCALE: 1"=20'	SHEET 10 OF 60 SHEETS	STA. TO STA.				

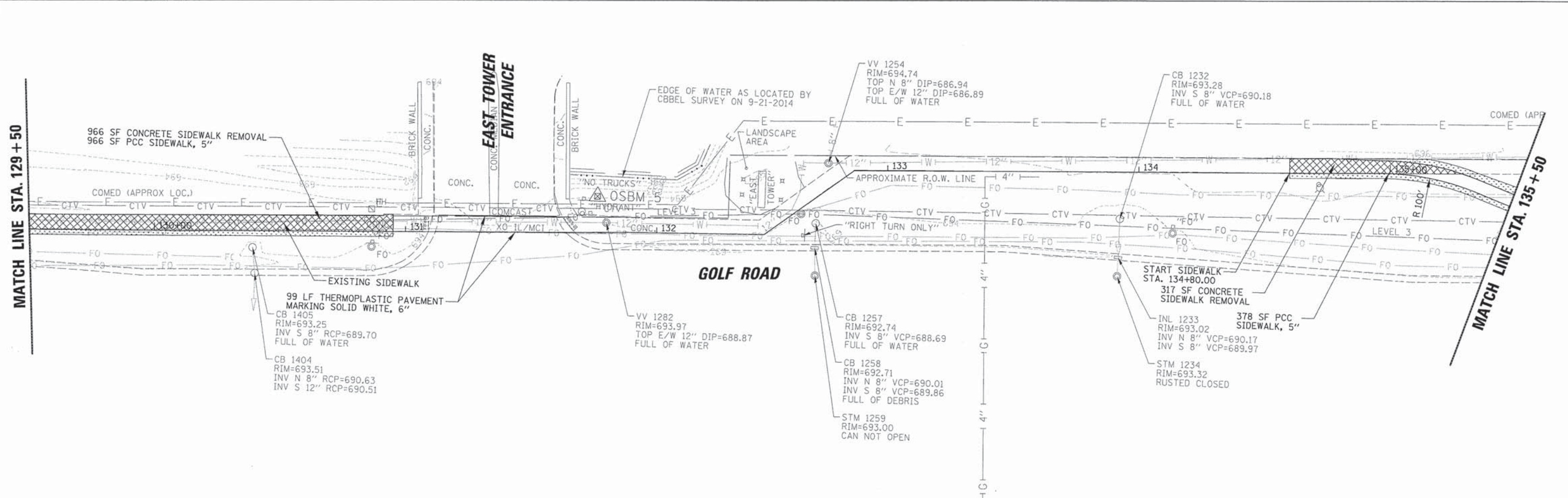
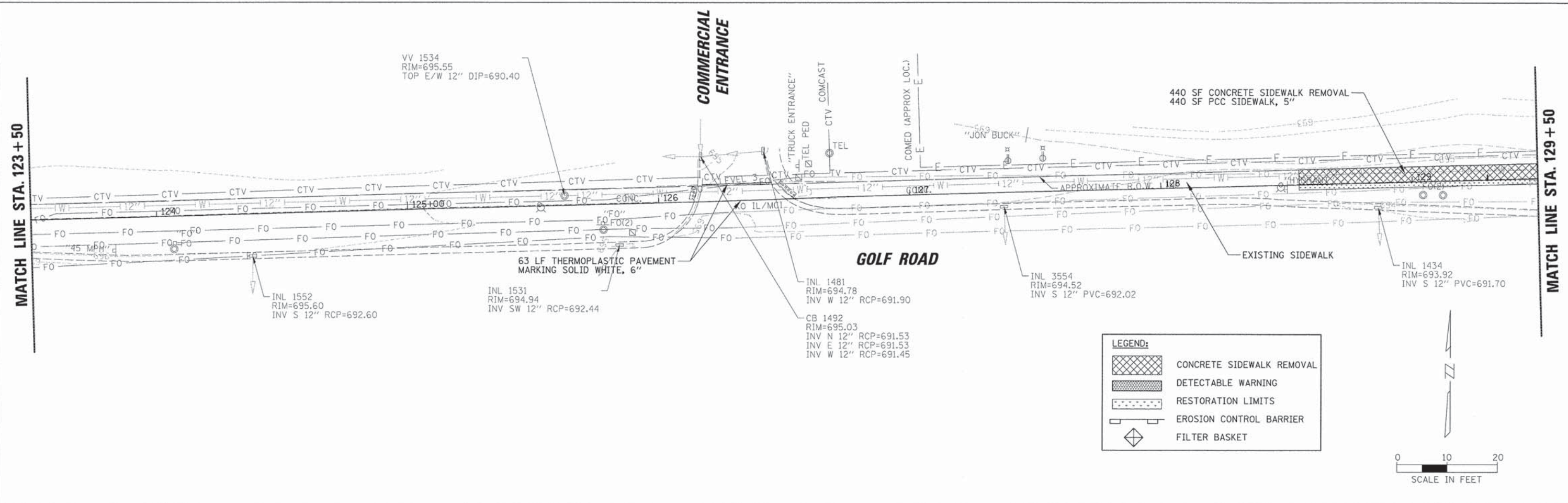


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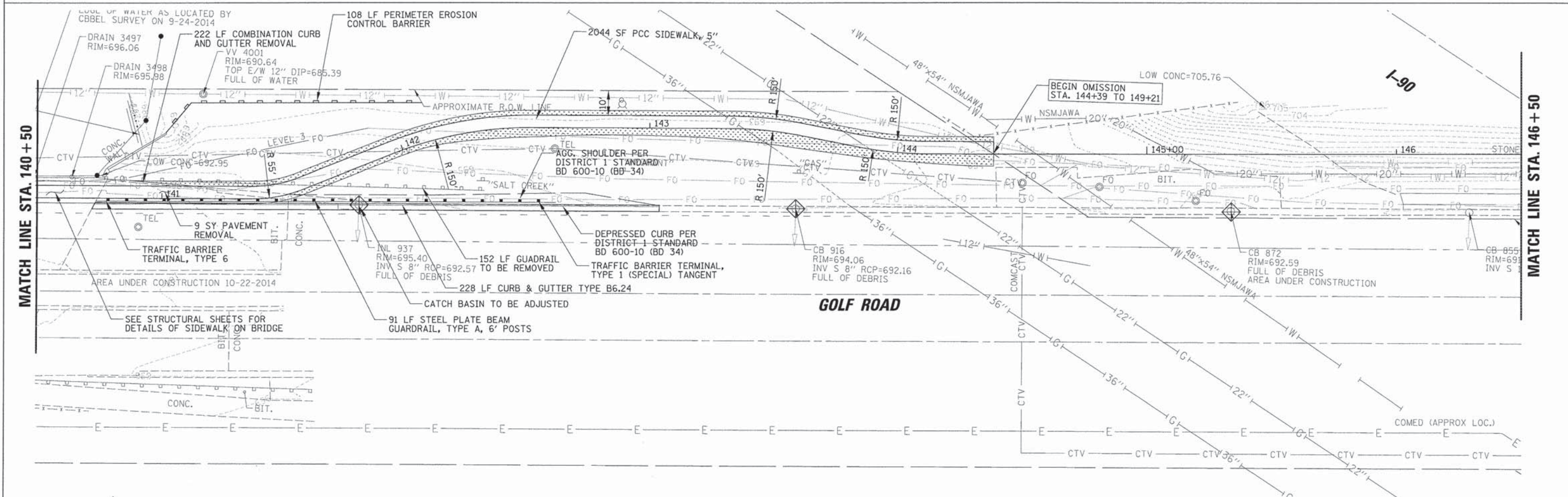
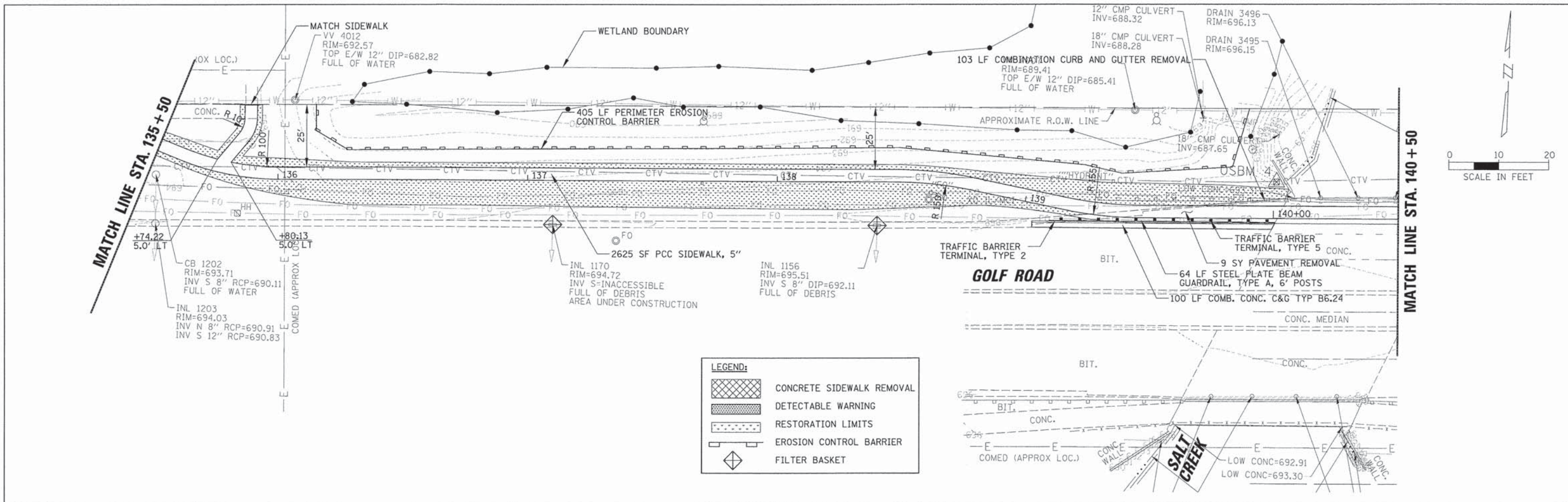
- CONCRETE SIDEWALK REMOVAL
- DETECTABLE WARNING
- RESTORATION LIMITS
- EROSION CONTROL BARRIER
- FILTER BASKET



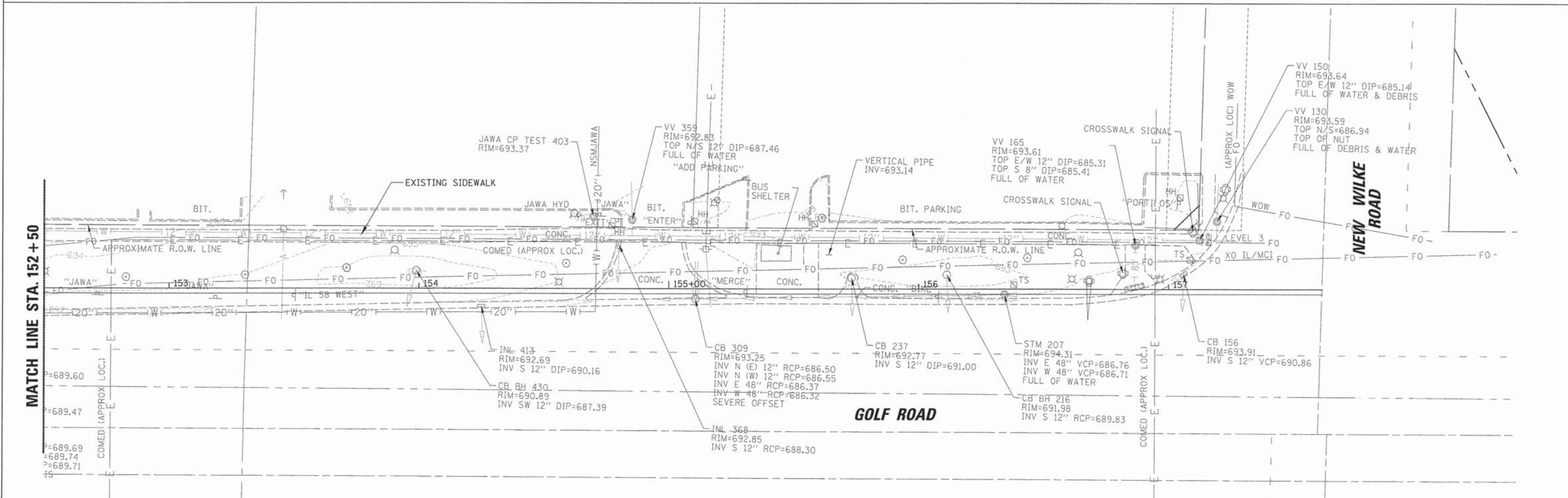
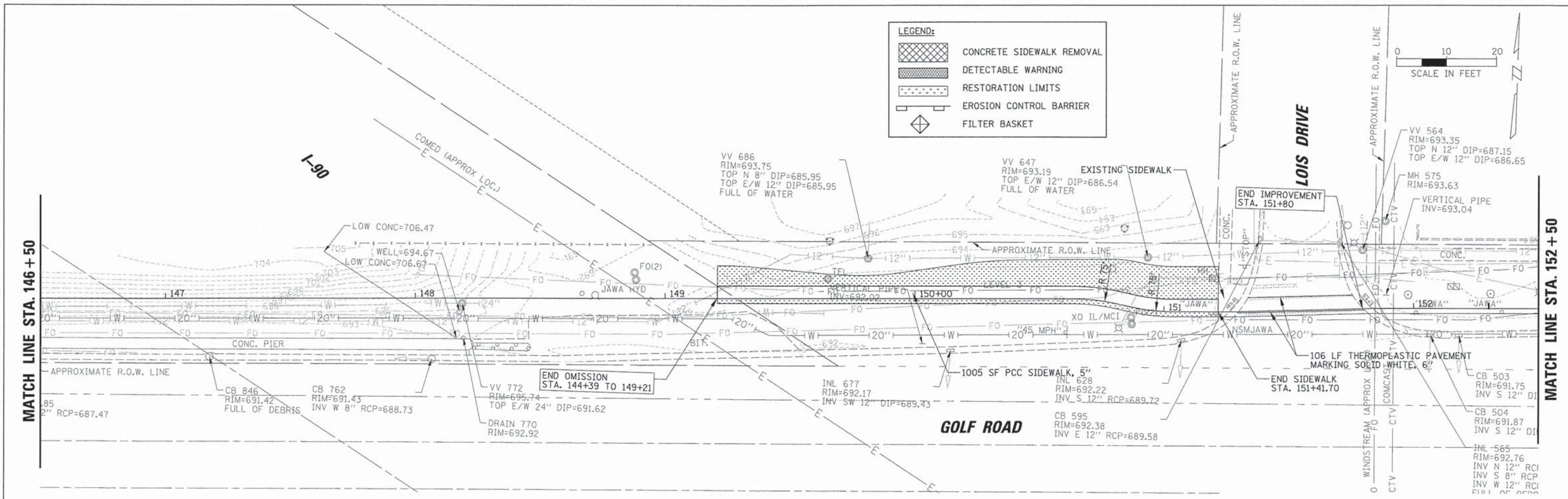
FILE NAME =	USER NAME = prozolan	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIDEWALK NORTH SIDE OF GOLF ROAD FROM RING ROAD TO NEW WILKE ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\98361816\CV\I\PLN.B	R168_002.SHT	DRAWN -	REVISED -			0559	14-00110-00-SW	COOK	60	11	
Default	PLOT SCALE = 20'	CHECKED -	REVISED -			CONTRACT NO. 61B42					
	PLOT DATE = 4/6/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



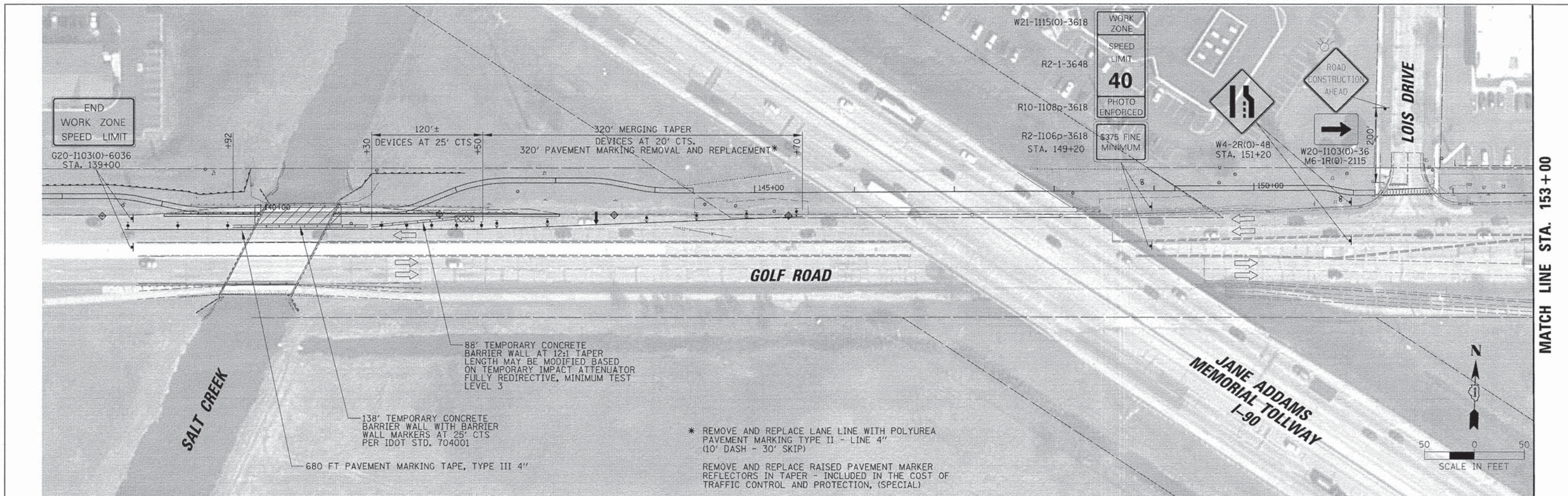
FILE NAME =	USER NAME = prozolan	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIDEWALK NORTH SIDE OF GOLF ROAD FROM RING ROAD TO NEW WILKE ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\98361BR160\CVI\1\PLN_	R160_003.SHT	DRAWN -	REVISED -			0559	14-00110-00-SW	COOK	60	12	
Default	PLOT SCALE = 20'	CHECKED -	REVISED -			CONTRACT NO. 61B42					
	PLOT DATE = 4/6/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



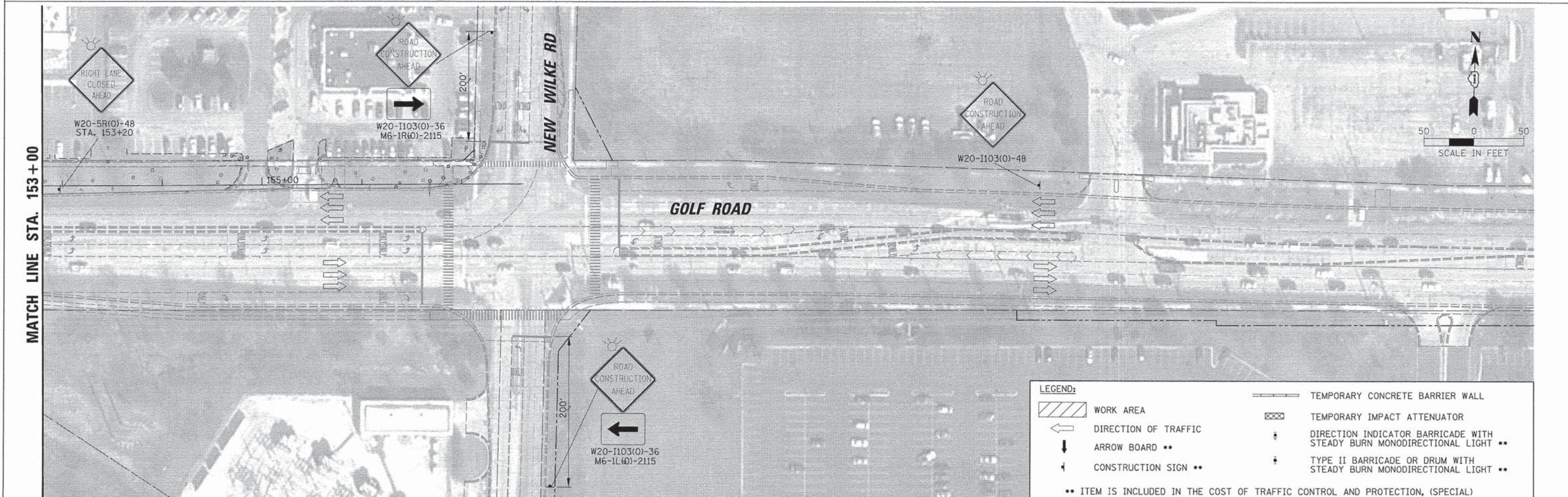
FILE NAME =	USER NAME = praxolan	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIDEWALK NORTH SIDE OF GOLF ROAD FROM RING ROAD TO NEW WILKE ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\98361BR160\Civil\PLN.B	R160_024.SHT	DRAWN -	REVISED -			0559	14-00110-00-SW	COOK	60	13	
Default	PLOT SCALE = 20'	CHECKED -	REVISED -			CONTRACT NO. 61B42					
	PLOT DATE = 4/6/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = prazlan	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIDEWALK NORTH SIDE OF GOLF ROAD FROM RING ROAD TO NEW WILKE ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\98361BR168\Civil\PLN	R168_005.SHT	DRAWN -	REVISED -			0559	14-00110-00-SW	COOK	60	14	
Default	PLOT SCALE = 20'	CHECKED -	REVISED -			CONTRACT NO. 61B42					
	PLOT DATE = 4/6/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



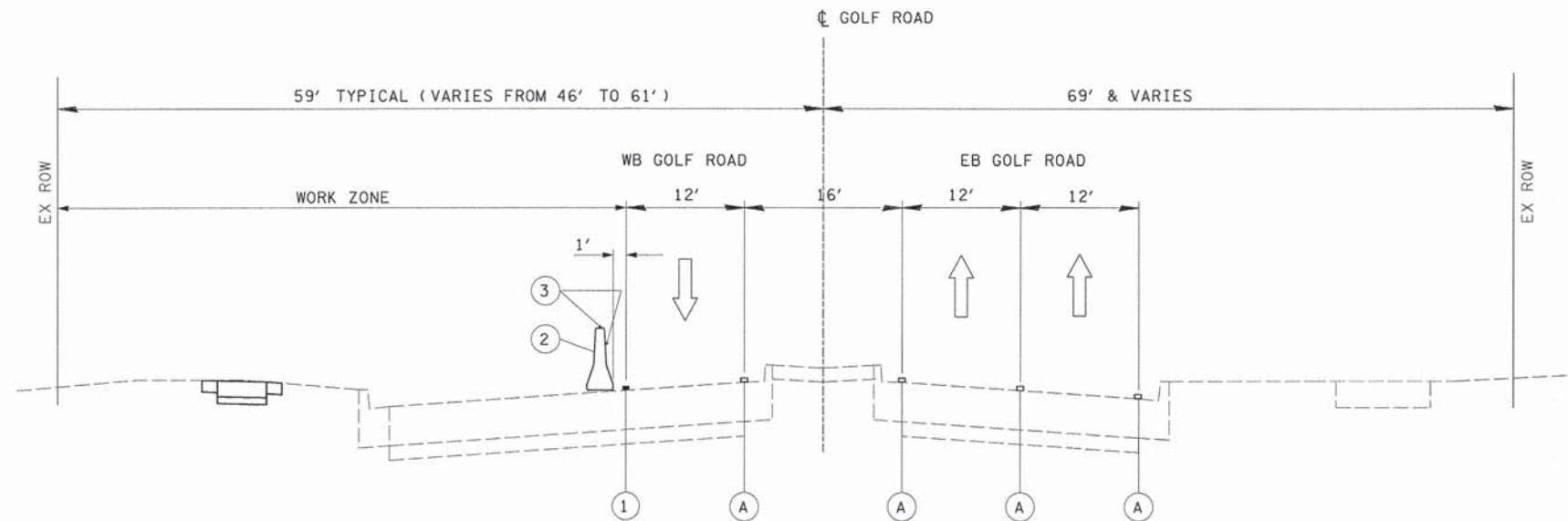
MATCH LINE STA. 153+00



**LEGEND:**

	WORK AREA		TEMPORARY CONCRETE BARRIER WALL
	DIRECTION OF TRAFFIC		TEMPORARY IMPACT ATTENUATOR
	ARROW BOARD **		DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT **
	CONSTRUCTION SIGN **		TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT **

\*\* ITEM IS INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL)



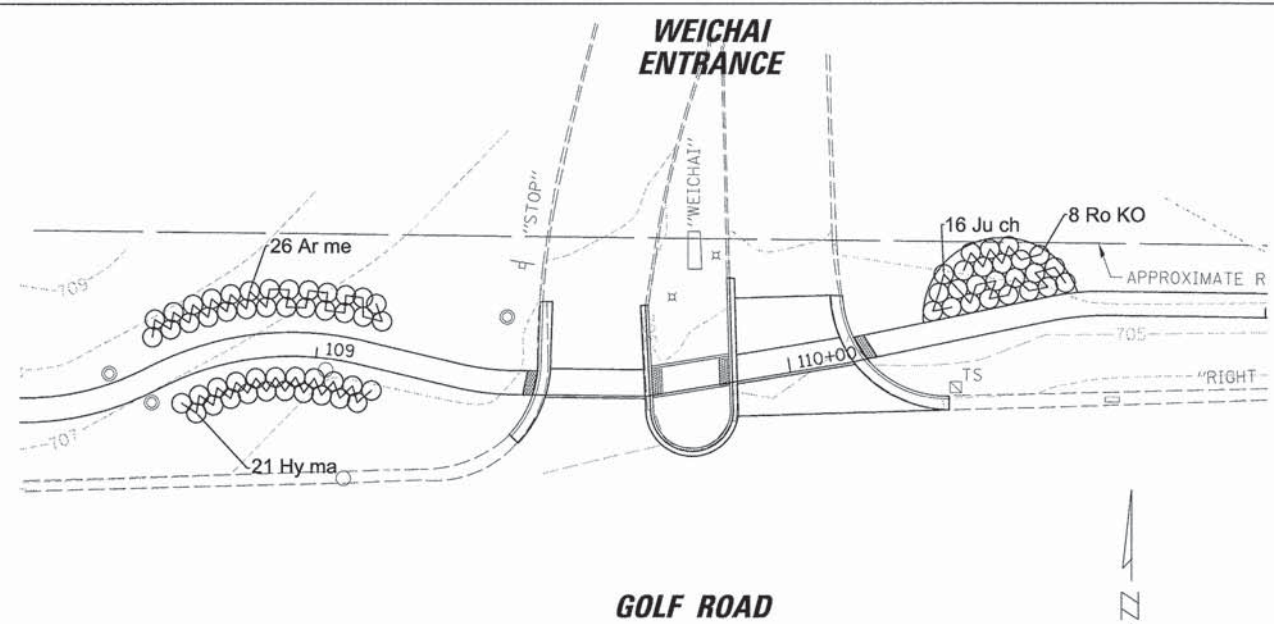
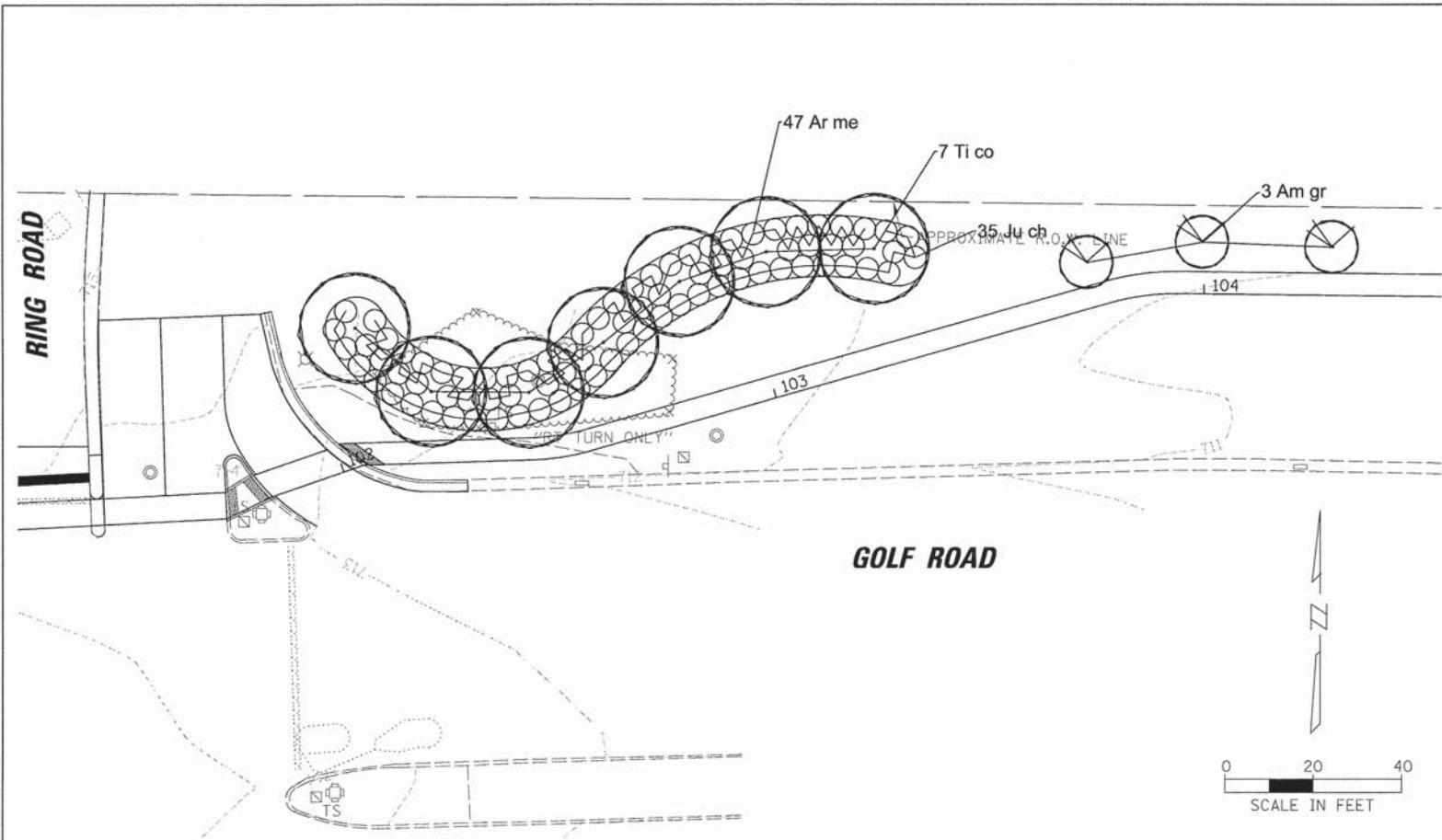
**MOT TYPICAL SECTION - IL ROUTE 58 (GOLF ROAD)**  
FOR BARRIER WALL CONSTRUCTION ON SALT CREEK BRIDGE

- LEGEND**
- (A) EXISTING PAVEMENT MARKING
  - (1) TEMPORARY PAVEMENT MARKING TAPE, TYPE III 4"; WHITE
  - (2) TEMPORARY CONCRETE BARRIER WALL
  - (3) BARRIER WALL MARKERS, TYPE C (SEE IDOT STANDARDS 701423, 704001 AND 635001)

- NOTES**
- THE RIGHT LANE OF WESTBOUND GOLF ROAD SHALL BE CLOSED PER THE DETAILS SHOWN ON THE MOT PLAN SHEET AND THIS TYPICAL SECTION. THE LANE CLOSURE IS REQUIRED AT THE GOLF ROAD BRIDGE OVER SALT CREEK FOR THE PROPOSED BARRIER WALL INSTALLATION.
- TEMPORARY BARRIER AND GOLF ROAD LANE REDUCTION RESTRICTED TO 15 WORKING DAYS.
- EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS (IN LANE MERGE) SHALL BE REMOVED AND REPLACED AT THE END OF THE JOB. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL AND POLYUREA PAVEMENT MARKING TYPE II - LINE 4" ; (WHITE).
- RAISED PAVEMENT MARKER REFLECTORS IN THE MERGING TAPER SHALL ALSO BE REMOVED AND REPLACED AT THE END OF THE JOB. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- TEMPORARY PAVEMENT MARKING TAPE, TYPE III MAY BE PLACED DIRECTLY OVER EXISTING SKIP-DASH LINE FROM STA. 139+00 TO STA. 142+50. THE EXISTING PAVEMENT MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS DO NOT NEED TO BE REMOVED IN THIS SECTION.
- REMOVAL OF TEMPORARY PAVEMENT MARKINGS WILL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.
- BARRIER WALL MARKERS DO ARE NOT REQUIRED IN TAPERED SECTION OF THE BARRIER WALL.
- BARRIER WALL MARKERS SHALL BE PLACED AT 25' CTS.
- EXISTING SIGNAGE THAT CONFLICTS WITH THE TRAFFIC CONTROL SIGNAGE SHALL BE COVERED DURING CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

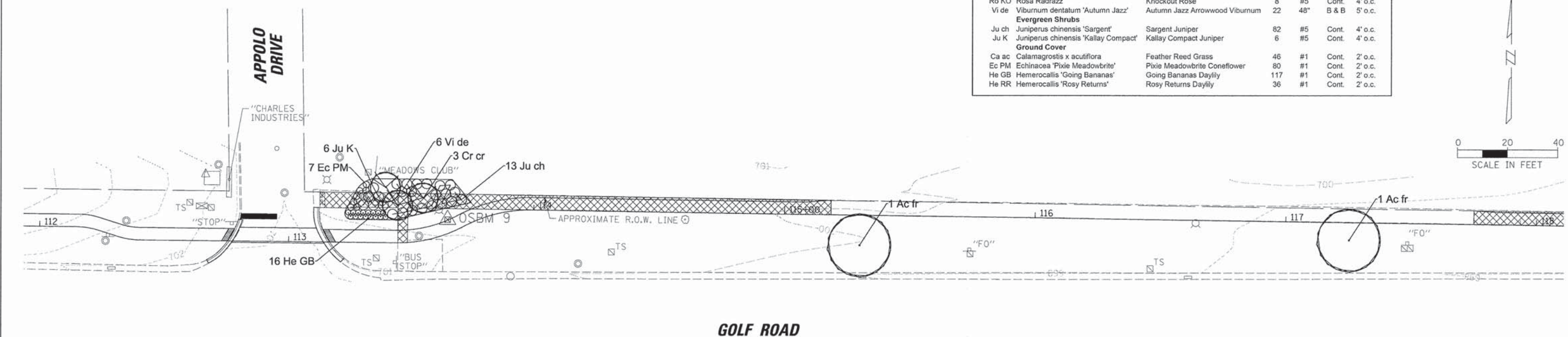
FILE NAME =	USER NAME = prazolan	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIDEWALK NORTH SIDE OF GOLF ROAD MAINTENANCE OF TRAFFIC TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\ROLLINGMEADOWS\98361BR168\VC\1\MOTT	P_98361BR168_001.shx	DRAWN -	REVISED -			0559	14-00110-00-SW	COOK	60	16	
Default	PLOT SCALE = 1"	CHECKED -	REVISED -			CONTRACT NO. 61B42					
	PLOT DATE = 4/6/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: 1"=20'	SHEET 16 OF 60 SHEETS		STA.	TO STA.		

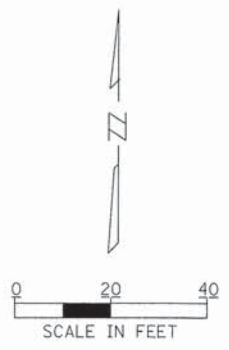
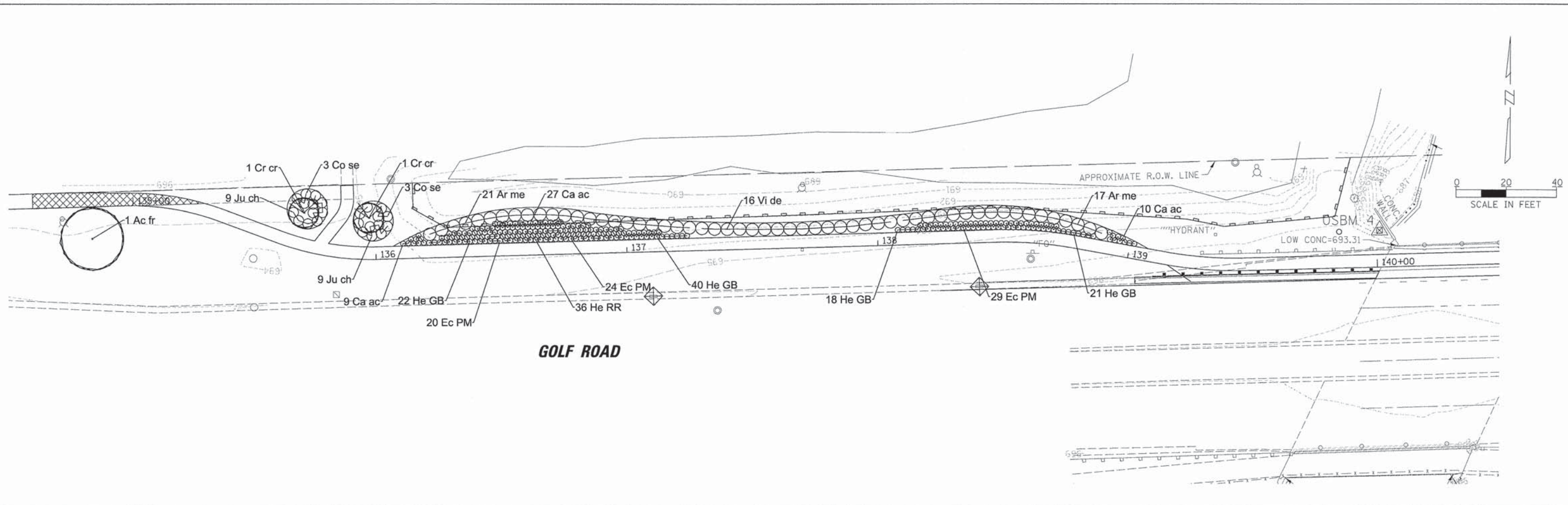




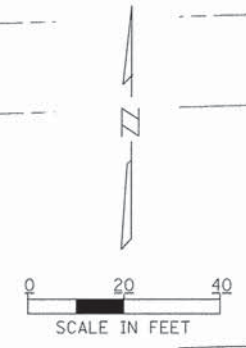
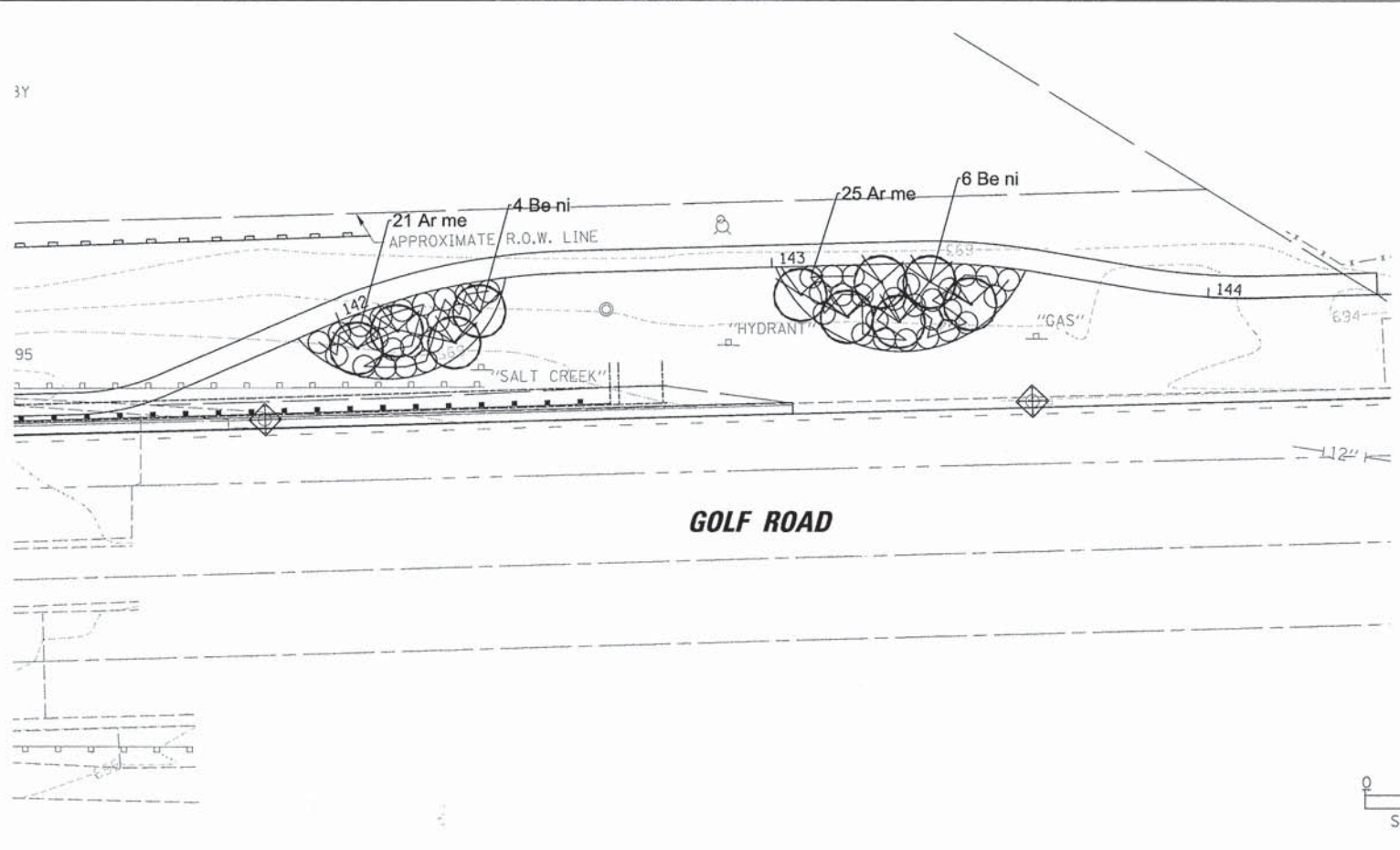
**TOTAL PLANT LIST**

SYM.	BOTANICAL NAME	COMMON NAME	Qty.	Size	Cond.	Spacing
<b>Deciduous Shade Trees</b>						
Ac fr	Acer freemanii 'Autumn Blaze'	Autumn Blaze Maple	3	3"	B & B	
Am gr	Amelanchier x grandiflora	Apple Serviceberry	3	10'	B & B	
Ti co	Tilia cordata 'Greenspire'	Greenspire Linden	7	3"	B & B	
<b>Deciduous Ornamental Trees</b>						
Be ni	Betula nigra	River Birch	10	10' clump	B & B	
Cr cr	Crataegus Crusgalli inermis	Thornless Cockspur Hawthorn	11	8' clump	B & B	
<b>Deciduous Shrubs</b>						
Ar me	Aronia melanocarpa	Black Chokeberry	157	36"	B & B	5' o.c.
Co se	Cornus sericea 'Bailey'	Bailey Redtwig Dogwood	6	36"	B & B	4' o.c.
Hy ma	Hydrangea macrophylla	Endless Summer Hydrangea	21	#5	Cont.	4' o.c.
Ro KO	Rosa Radrazz	Knockout Rose	8	#5	Cont.	4' o.c.
Vi de	Viburnum dentatum 'Autumn Jazz'	Autumn Jazz Arrowwood Viburnum	22	48"	B & B	5' o.c.
<b>Evergreen Shrubs</b>						
Ju ch	Juniperus chinensis 'Sargent'	Sargent Juniper	82	#5	Cont.	4' o.c.
Ju K	Juniperus chinensis 'Kallay Compact'	Kallay Compact Juniper	6	#5	Cont.	4' o.c.
<b>Ground Cover</b>						
Ca ac	Calamagrostis x acutiflora	Feather Reed Grass	46	#1	Cont.	2' o.c.
Ec PM	Echinacea 'Pixie Meadowbrite'	Pixie Meadowbrite Coneflower	80	#1	Cont.	2' o.c.
He GB	Hemerocallis 'Going Bananas'	Going Bananas Daylily	117	#1	Cont.	2' o.c.
He RR	Hemerocallis 'Rosy Returns'	Rosy Returns Daylily	36	#1	Cont.	2' o.c.

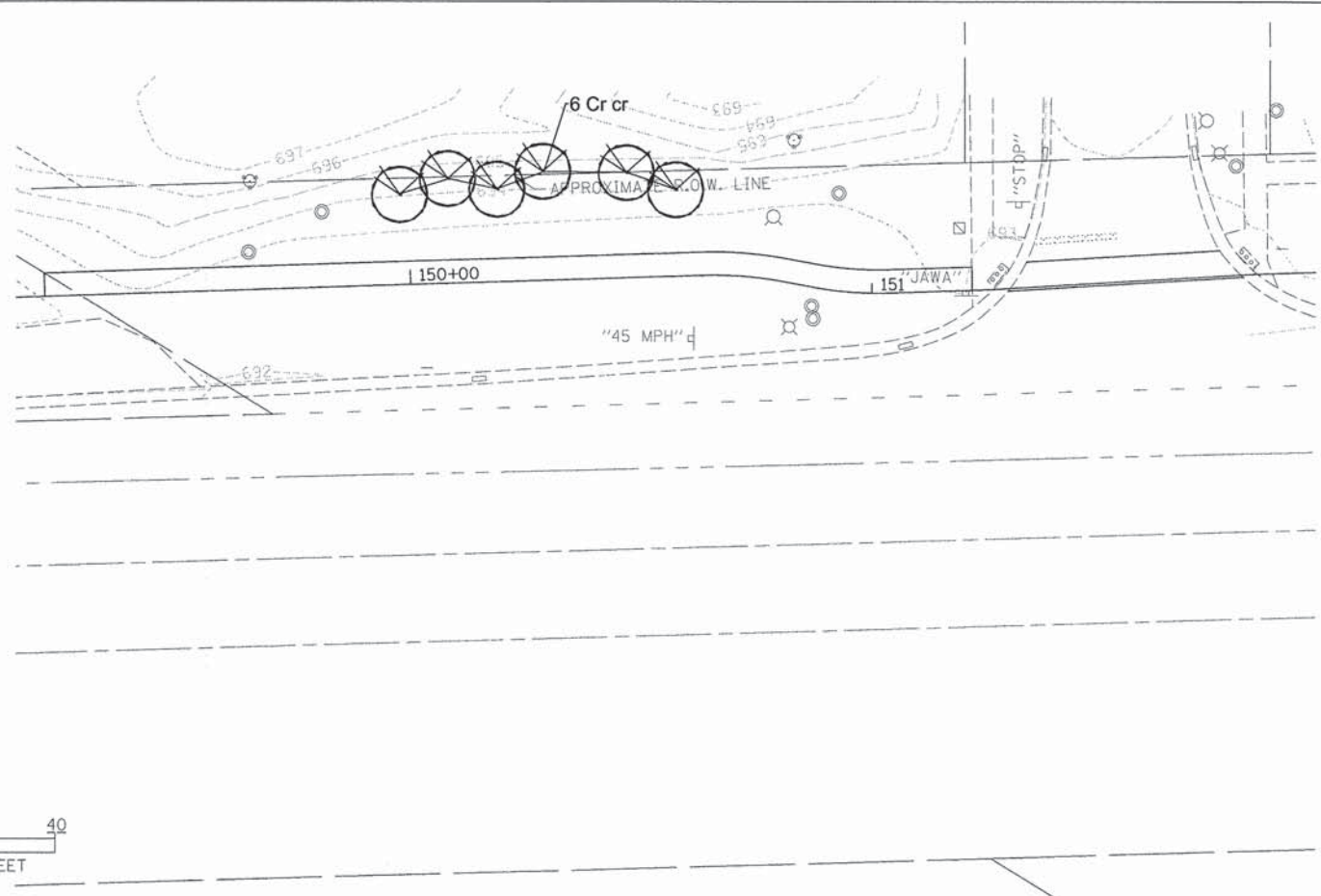




**GOLF ROAD**



**GOLF ROAD**



FILE NAME =	USER NAME = prazolan	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\98361BR160\Civil\LD5.8	R160_002.SHT	DRAWN -	REVISED -
Default	PLOT SCALE = 20'	CHECKED -	REVISED -
	PLOT DATE = 4/6/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

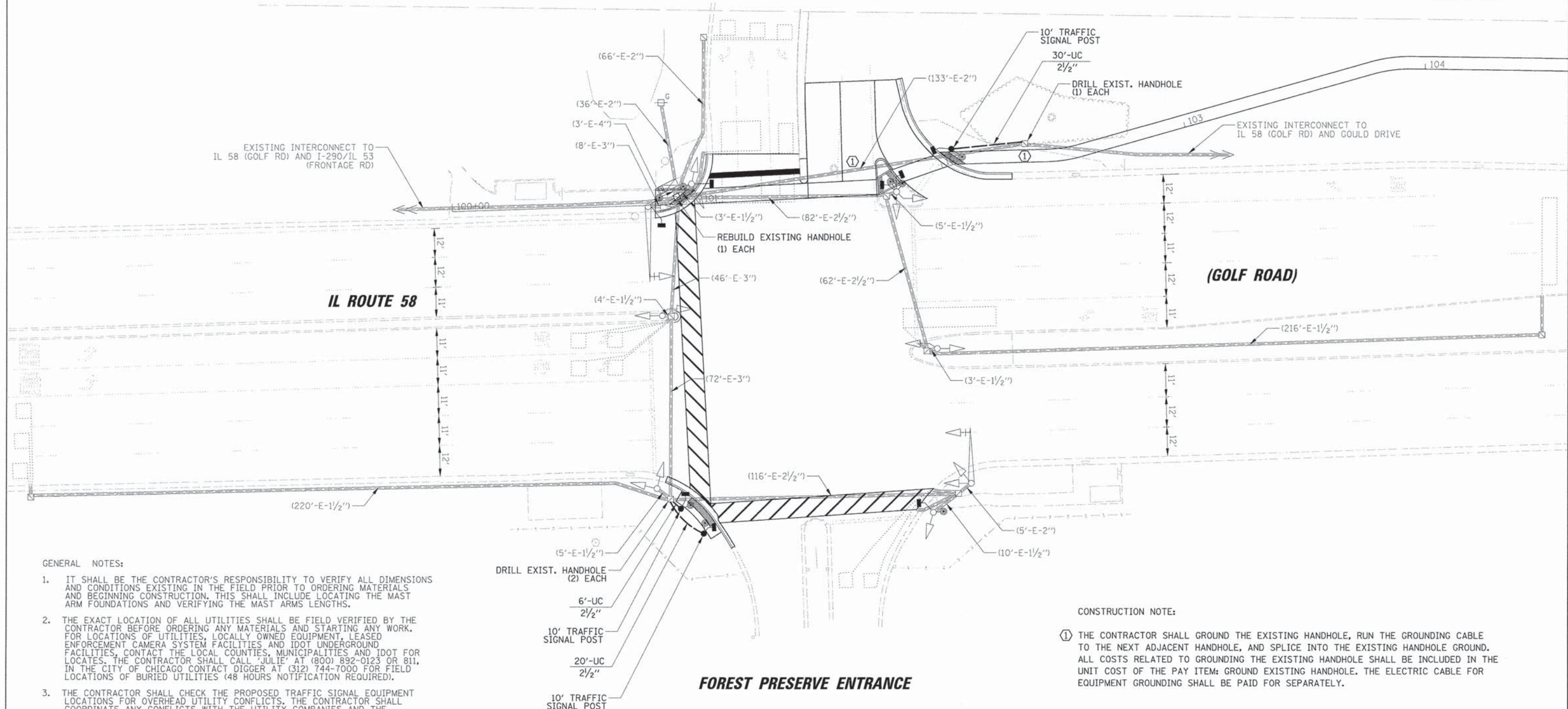
**PROPOSED SIDEWALK NORTH SIDE OF GOLF ROAD  
FROM RING ROAD TO NEW WILKE ROAD  
LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 18 OF 60 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	18
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				



**RING ROAD**



- GENERAL NOTES:**
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
  2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
  3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
  4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

- CONSTRUCTION NOTE:**
- ① THE CONTRACTOR SHALL GROUND THE EXISTING HANDHOLE, RUN THE GROUNDING CABLE TO THE NEXT ADJACENT HANDHOLE, AND SPLICE INTO THE EXISTING HANDHOLE GROUND. ALL COSTS RELATED TO GROUNDING THE EXISTING HANDHOLE SHALL BE INCLUDED IN THE UNIT COST OF THE PAY ITEM: GROUND EXISTING HANDHOLE. THE ELECTRIC CABLE FOR EQUIPMENT GROUNDING SHALL BE PAID FOR SEPARATELY.

- DRILL EXIST. HANDHOLE (2) EACH
- 6'-UC 2 1/2"
- 10' TRAFFIC SIGNAL POST
- 20'-UC 2 1/2"
- 10' TRAFFIC SIGNAL POST

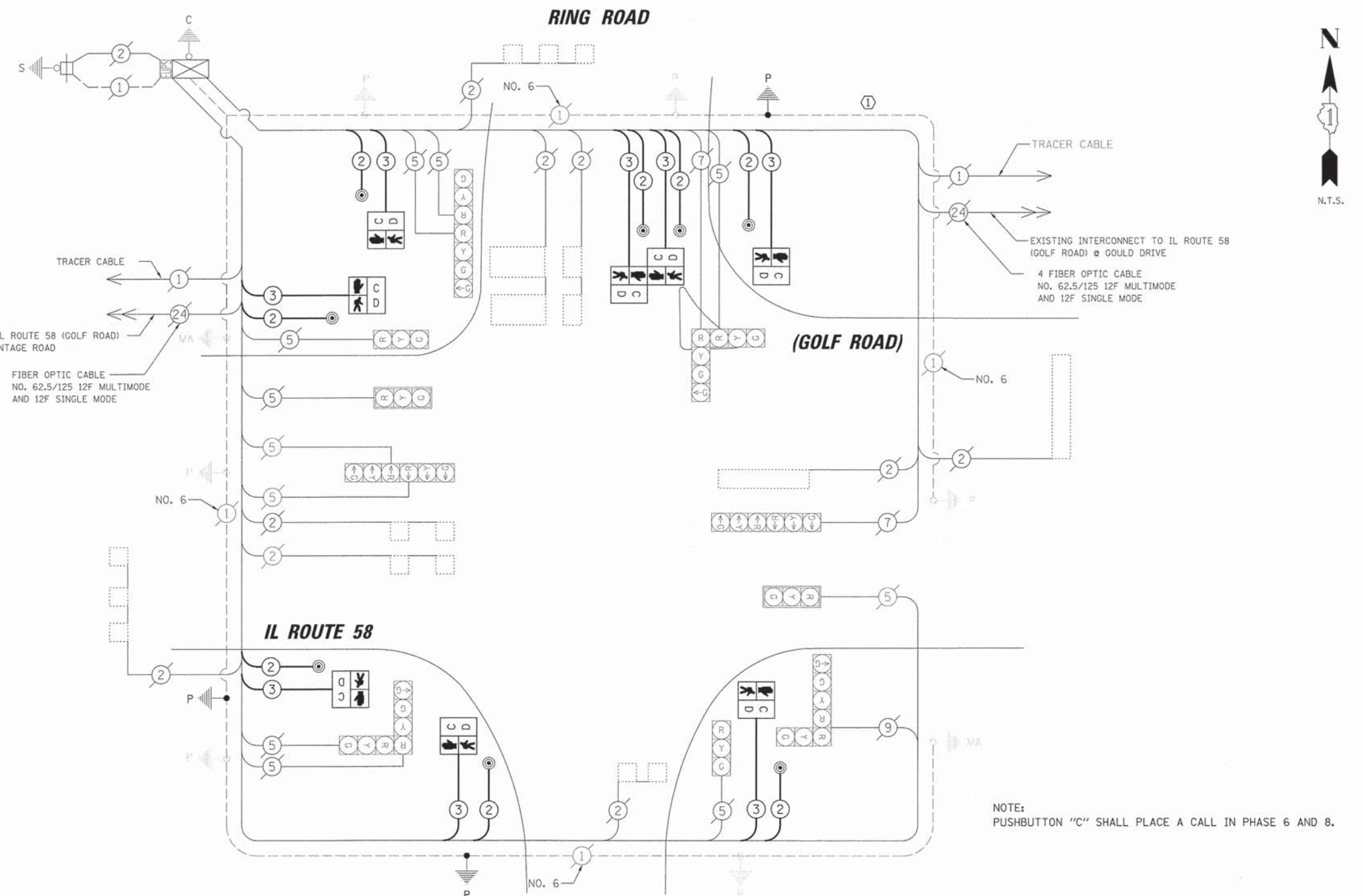
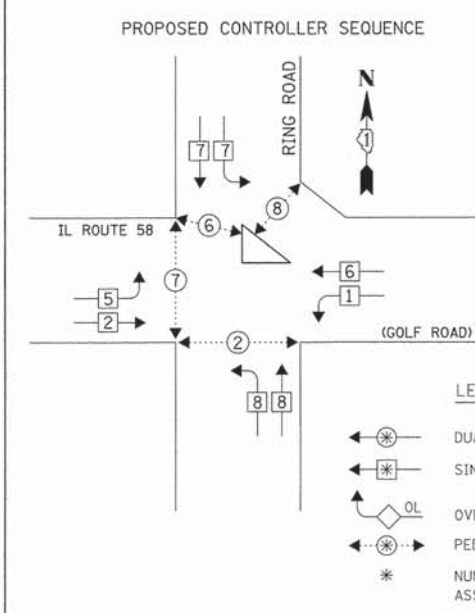
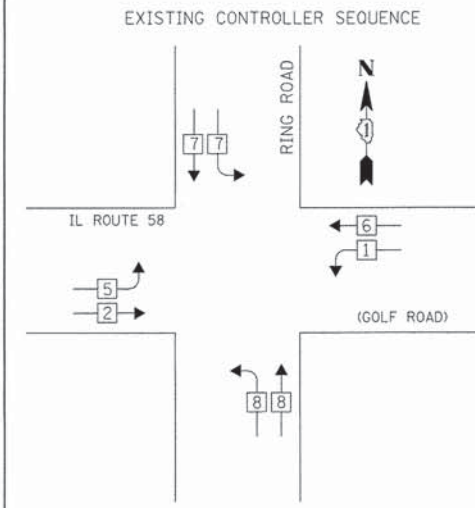
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN  
IL ROUTE 58 (GOLF ROAD) AND RING ROAD**

FILE NAME =	USER NAME = prozolan	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\96361816\Traffic\T...	sh1-001_MOD_IL58-RING.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 20'	CHECKED -	REVISED -
	PLOT DATE = 4/6/2015	DATE -	REVISED -

SCALE: 1"=20' SHEET 19 OF 60 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	19
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	16		17	0.50	136.0
(YELLOW)	16		25	0.25	100.0
(GREEN)	20		15	0.25	75.0
ARROW	-		12	0.10	
PED. SIGNAL	8		25	1.00	200.0
CONTROLLER	1		100	1.00	100.0
ILLUM. SIGN	-		25	0.05	
BATTERY BACKUP	1		25	1.00	25.0
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 636.0

CITY OF ROLLING MEADOWS  
3600 KIRCHOFF ROAD  
ROLLING MEADOWS, IL 60008

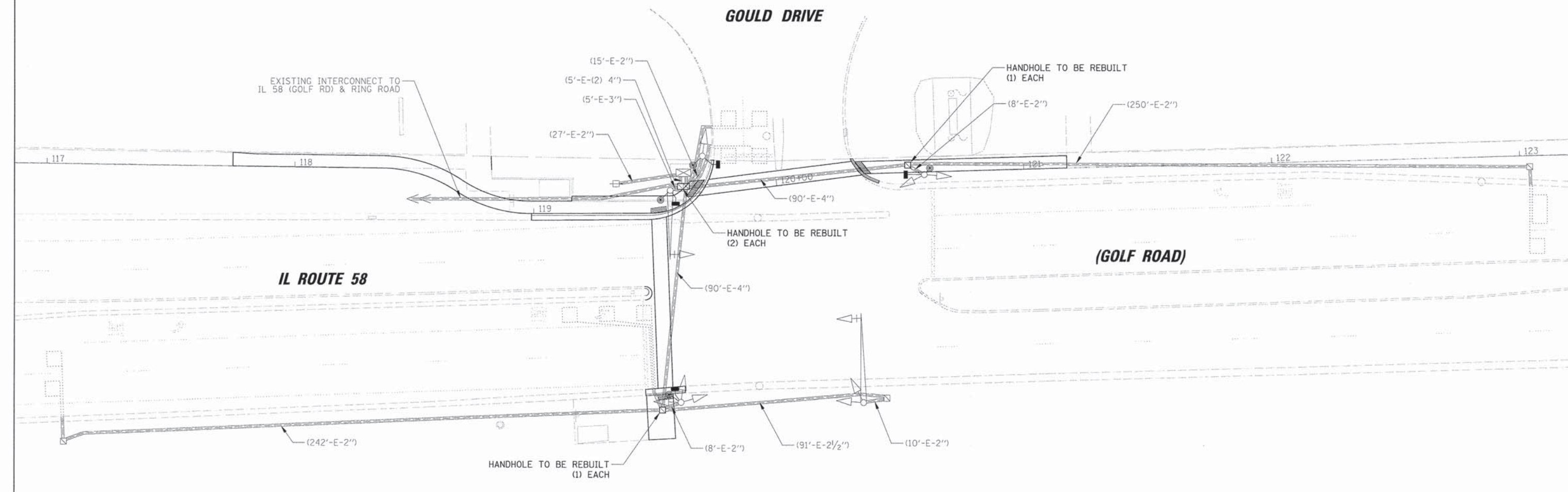
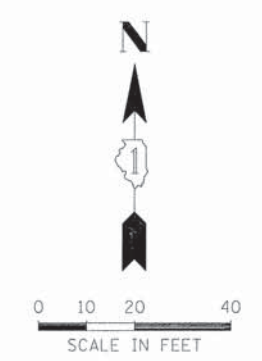
ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
PHONE: 1 (866) 639-3532  
COMPANY: COMED

**CONSTRUCTION NOTE:**

① THE CONTRACTOR SHALL GROUND THE EXISTING HANDHOLE, RUN THE GROUNDING CABLE TO THE NEXT ADJACENT HANDHOLE, AND SPLICE INTO THE EXISTING HANDHOLE GROUND. ALL COSTS RELATED TO GROUNDING THE EXISTING HANDHOLE SHALL BE INCLUDED IN THE UNIT COST OF THE PAY ITEM: GROUND EXISTING HANDHOLE. THE ELECTRIC CABLE FOR EQUIPMENT GROUNDING SHALL BE PAID FOR SEPARATELY.

**SCHEDULE OF QUANTITIES**

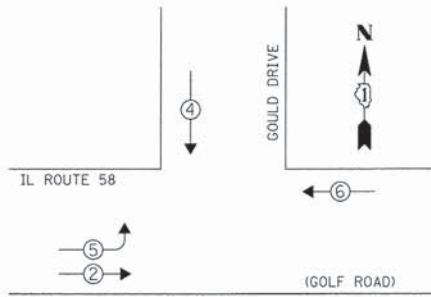
ITEM	UNIT	QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	56
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1127
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1183
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	143
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	12
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
PEDESTRIAN PUSH-BUTTON	EACH	8
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
GROUND EXISTING HANDHOLE	EACH	1



- GENERAL NOTES:
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
  2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
  3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
  4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

FILE NAME =	USER NAME = praxolon	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL MODIFICATION PLAN IL ROUTE 58 (GOLF ROAD) AND GOULD DRIVE</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGHEAD\05\98361BR160\Traffic\T	shht-2023_M00_IL58-GOULD.dgn	DRAWN -	REVISED -			0559	14-00110-00-SW	COOK	60	21
Default	PLOT SCALE = 20'	CHECKED -	REVISED -			CONTRACT NO. 61B42				
	PLOT DATE = 4/6/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					SCALE: 1"=20'	SHEET 21 OF 60 SHEETS		STA.	TO STA.	

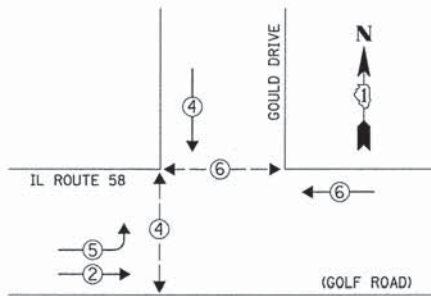
EXISTING CONTROLLER SEQUENCE



- LEGEND**
- ⊛ DUAL ENTRY PHASE
  - ⊙ SINGLE ENTRY PHASE
  - OL OVERLAP
  - ⊙ PEDESTRIAN PHASE
  - \* NUMBER REFERS TO ASSOCIATED PHASE

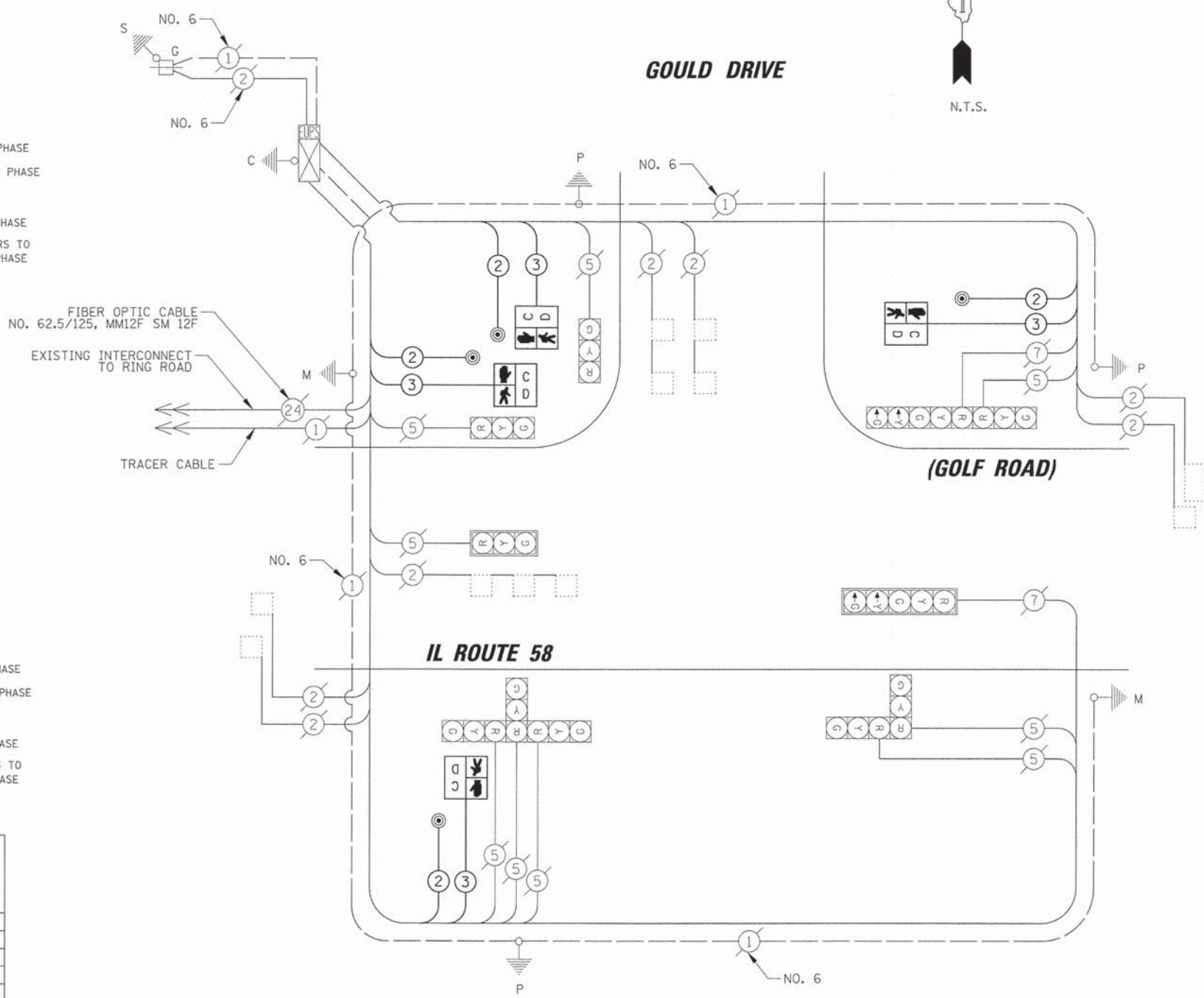
EXISTING PHASE DESIGNATION DIAGRAM

PROPOSED CONTROLLER SEQUENCE



- LEGEND**
- ⊛ DUAL ENTRY PHASE
  - ⊙ SINGLE ENTRY PHASE
  - OL OVERLAP
  - ⊙ PEDESTRIAN PHASE
  - \* NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED PHASE DESIGNATION DIAGRAM



**CABLE PLAN**

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	359
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	387
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REBUILD EXISTING HANDHOLE	EACH	4

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE	
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED X % OPERATION		
SIGNAL (RED)	11		17	0.50	93.50
(YELLOW)	11		25	0.25	68.75
(GREEN)	11		15	0.25	41.25
ARROW	4		12	0.10	4.80
PED. SIGNAL	4		25	1.00	100.00
CONTROLLER	1		100	1.00	100.00
LUMINAIRE	-		250	0.50	-
ILLUMINATED SIGN	-		25	-	-
VIDEO SYSTEM	-		150	1.00	-
BATTERY BACKUP SYSTEM	1		25	1.00	25.00
FLASHER	-		-	0.50	-
ENERGY COSTS TO:			TOTAL =		433.30

CITY OF ROLLING MEADOWS  
 3600 KIRCHOFF ROAD  
 ROLLING MEADOWS, IL 60008  
 ENERGY SUPPLY CONTACT: COMED - NEW BUSINESS  
 PHONE: 1 (866) 639 - 3532  
 COMPANY: COMED

FILE NAME =	USER NAME = prazolan	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\90361816\Traffic\T...	ght-204_CAB_IL58-GOULD.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 28'	CHECKED -	REVISED -
	PLOT DATE = 4/6/2015	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN,  
 AND PHASE DESIGNATION DIAGRAM  
 IL ROUTE 58 (GOLF ROAD) AND GOULD DRIVE  
 SCALE: 1"=20'  
 SHEET 22 OF 60 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	22
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

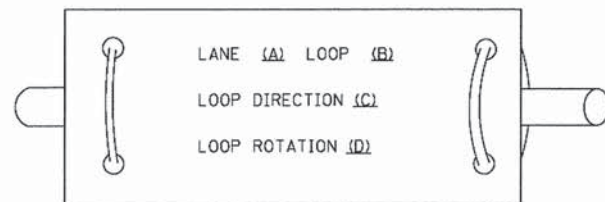
# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				<b>RAILROAD SYMBOLS</b>			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				RAILROAD CONTROL CABINET			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				RAILROAD CANTILEVER MAST ARM			
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				FLASHING SIGNAL			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT				CROSSING GATE			
DETECTOR LOOP, TYPE I				RADIO REPEATER				CROSSBUCK			
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

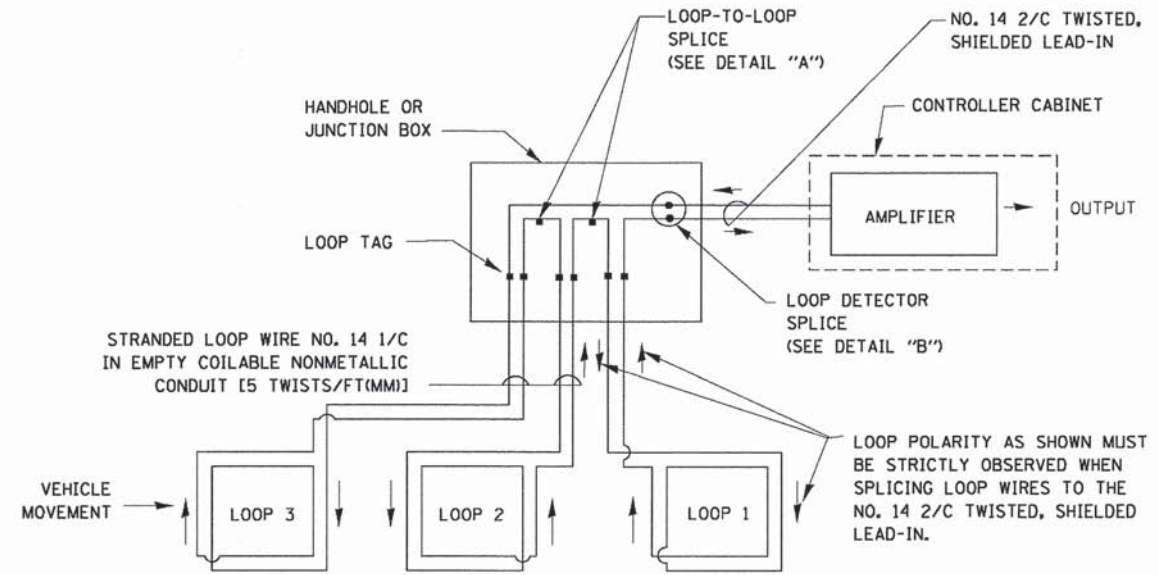
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT 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**

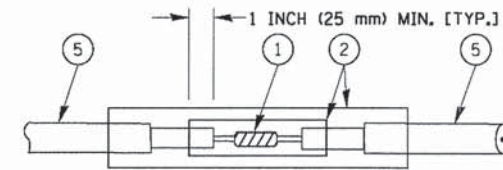


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

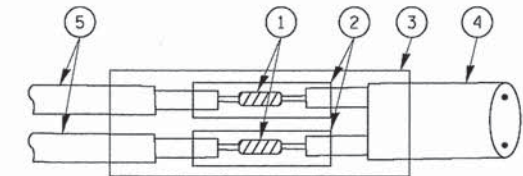


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

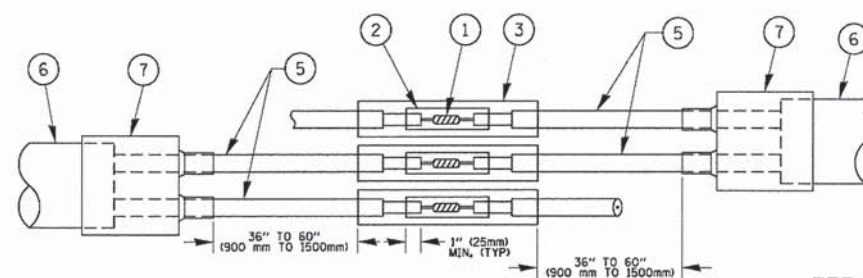


DETAIL "A"  
LOOP-TO-LOOP SPLICE

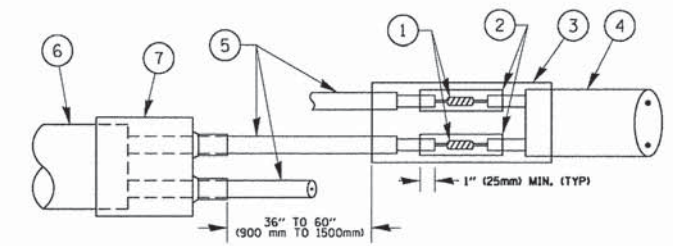


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

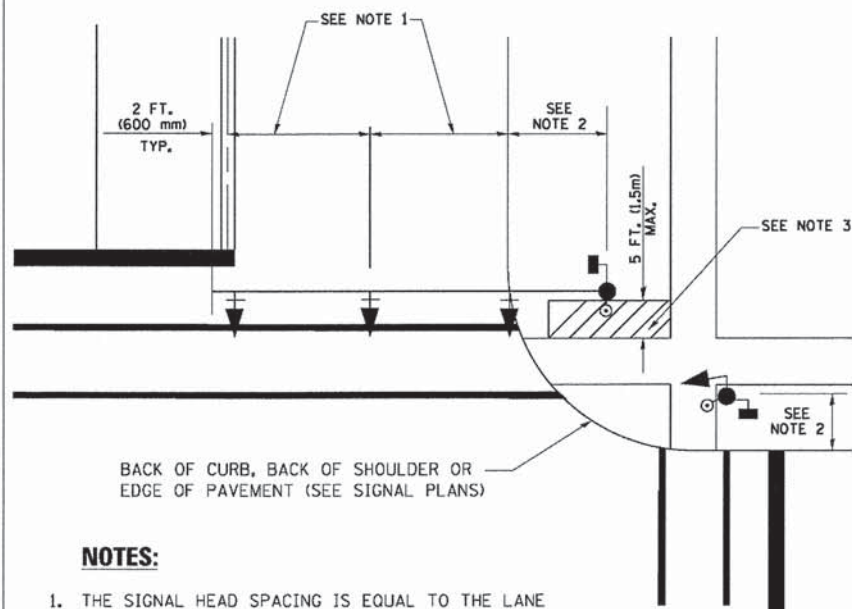
**LOOP DETECTOR SPLICE**

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 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.
- 6 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwork\pwork\footemj\d0128315\ts05.dgn	DRAWN - BCK	REVISED -	0559			14-00110-00-SW	COOK	60	24	
PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -	<b>TS-05</b>			CONTRACT NO. 61B42				
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT							
				SCALE: NONE		SHEET NO. 2 OF 7 SHEETS		STA. TO STA.		



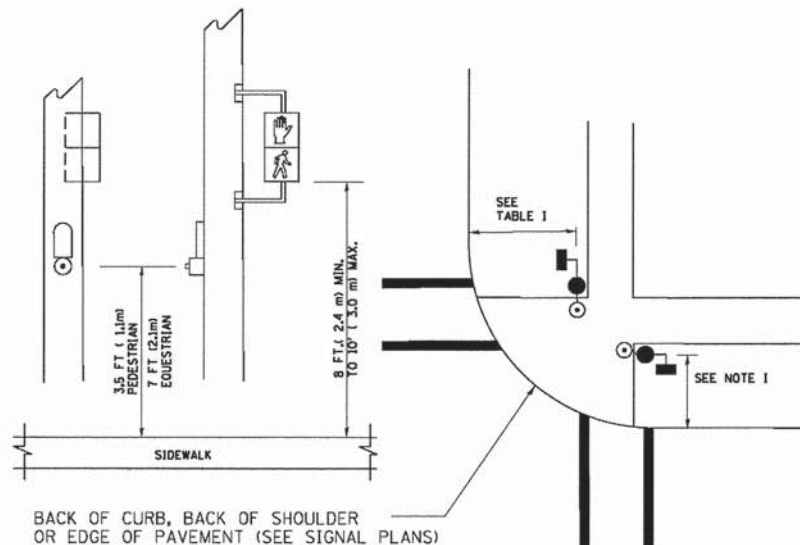
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

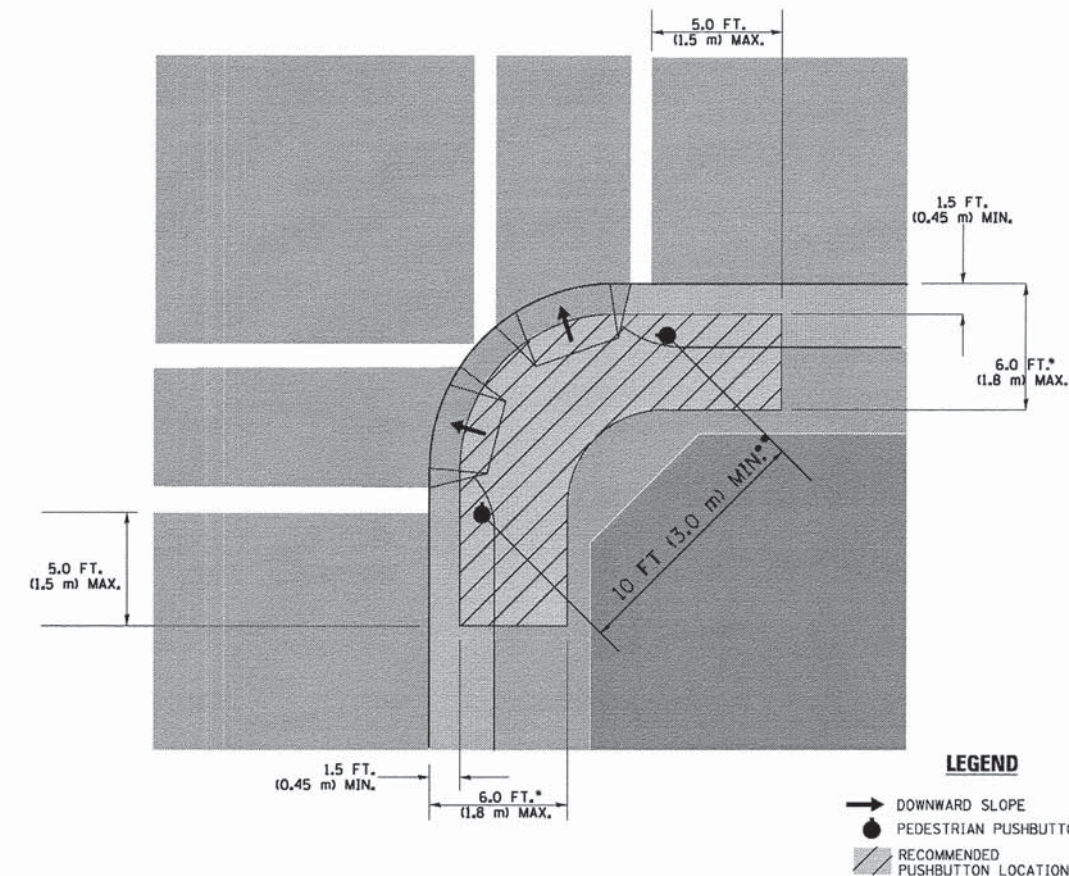
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

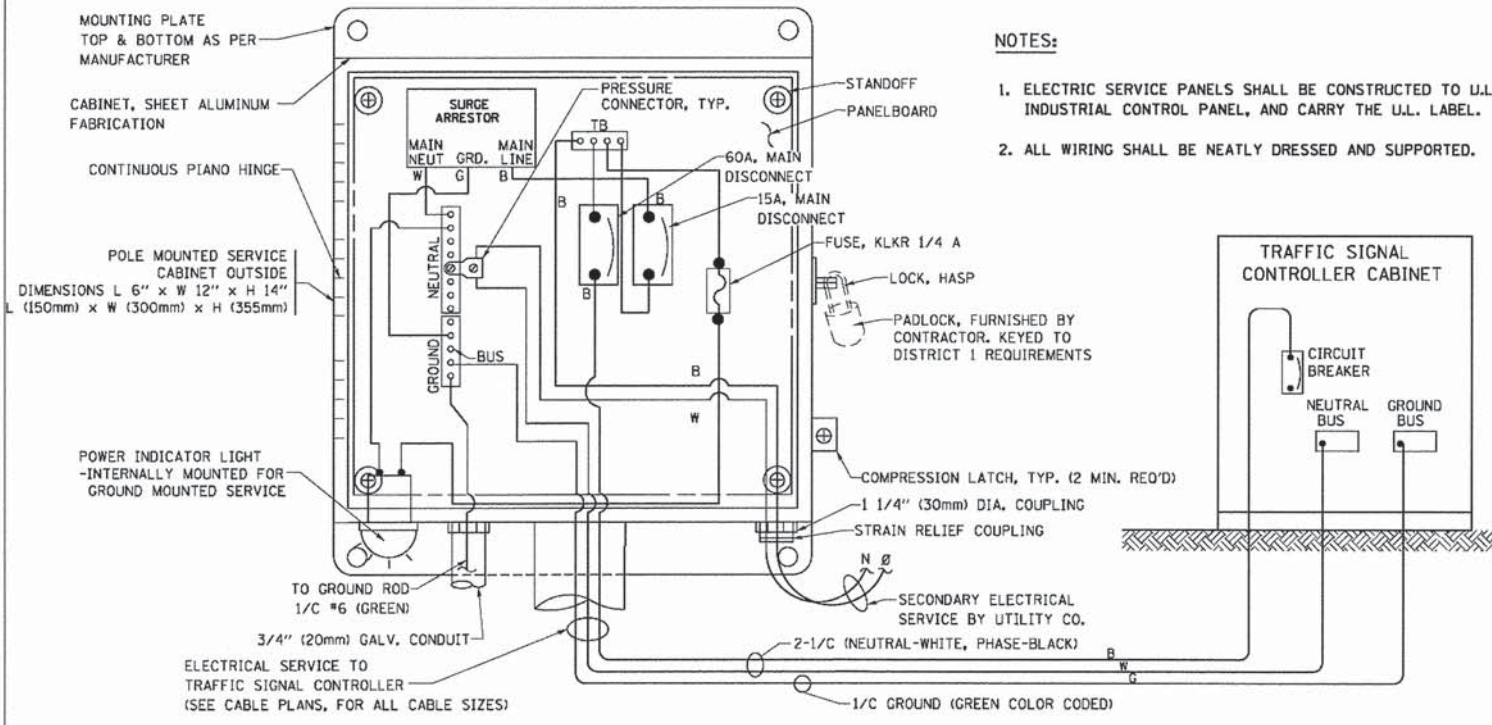
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

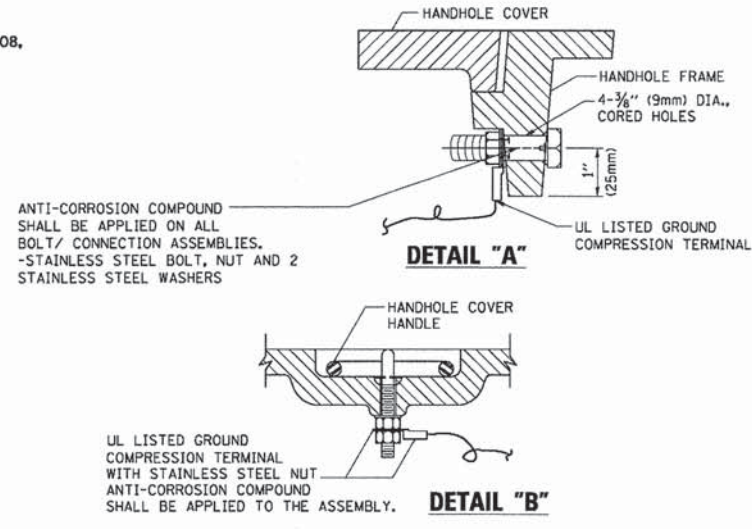
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

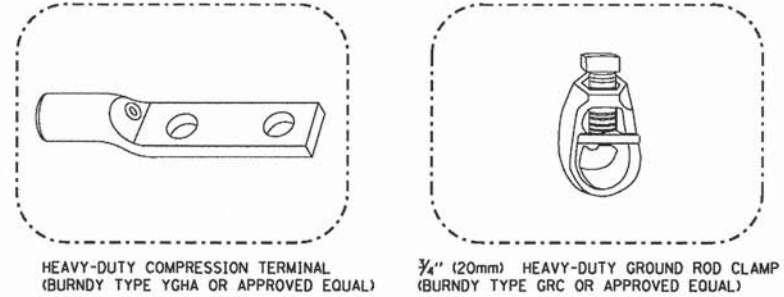
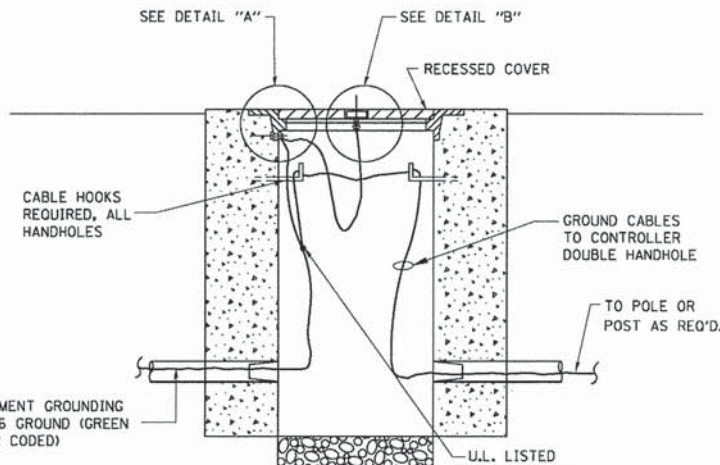


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)**

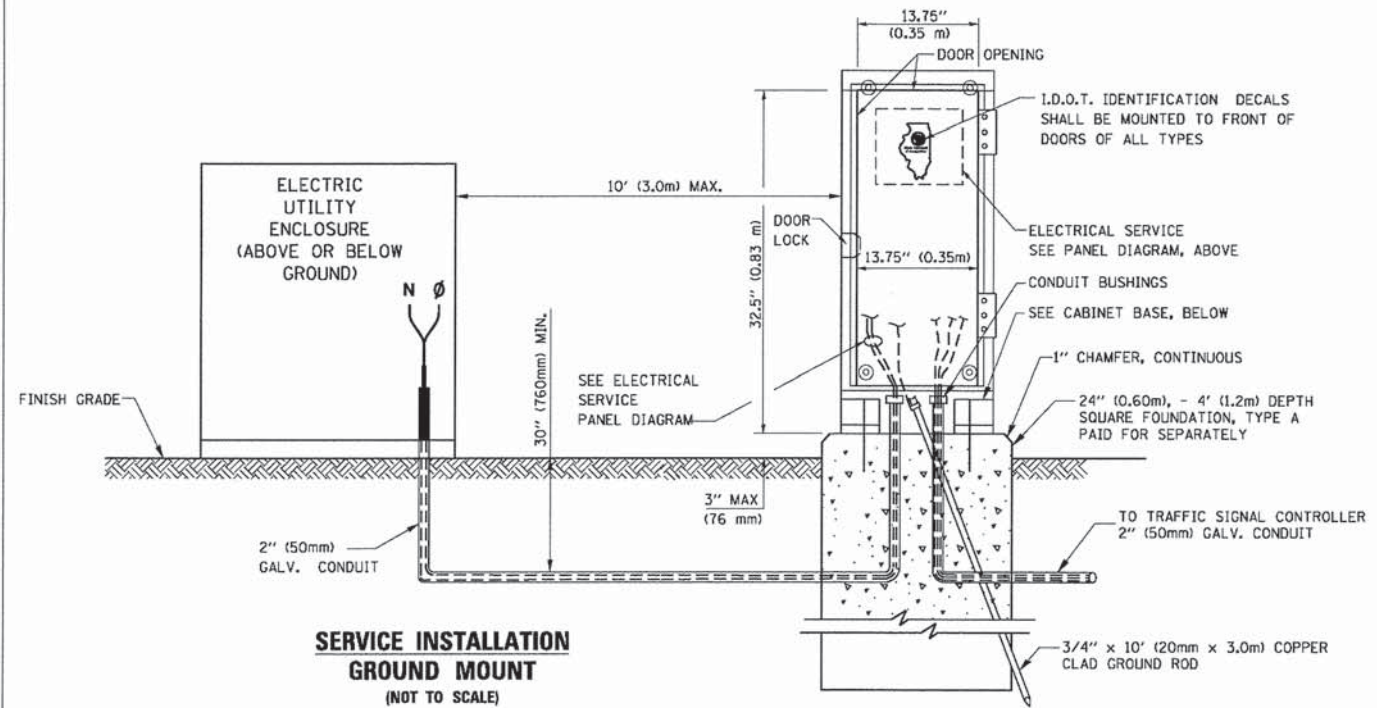


**NOTES:**  
**GROUNDING SYSTEM**

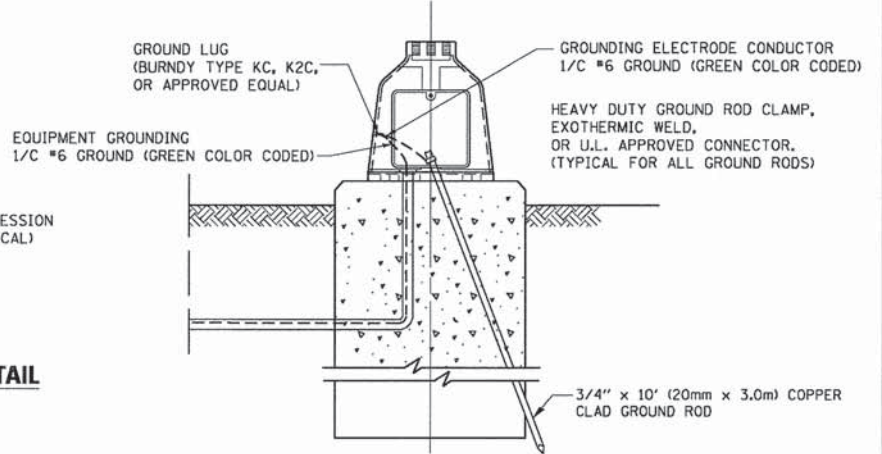
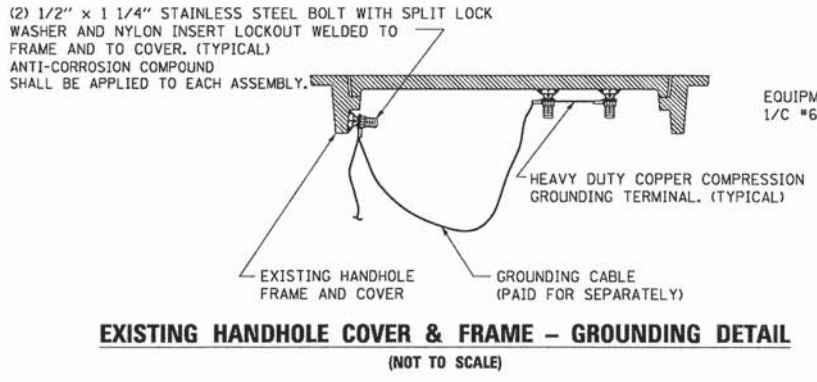
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, 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.
2. 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.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL 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.

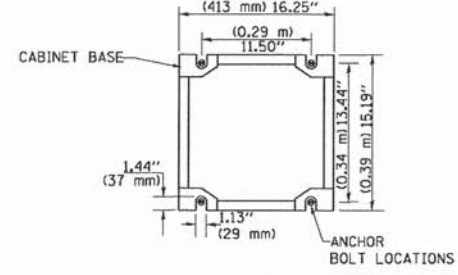


**HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)**



**SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)**

**CABINET - BASE BOLT PATTERN (NOT TO SCALE)**

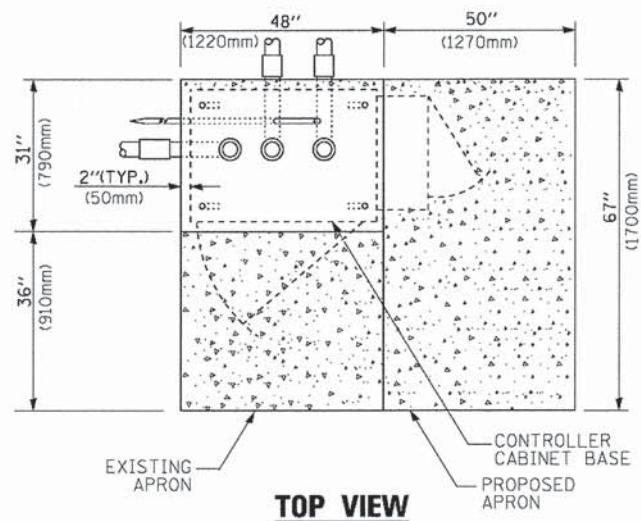


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ar:\pwork\pwork\footm_j\d2188315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

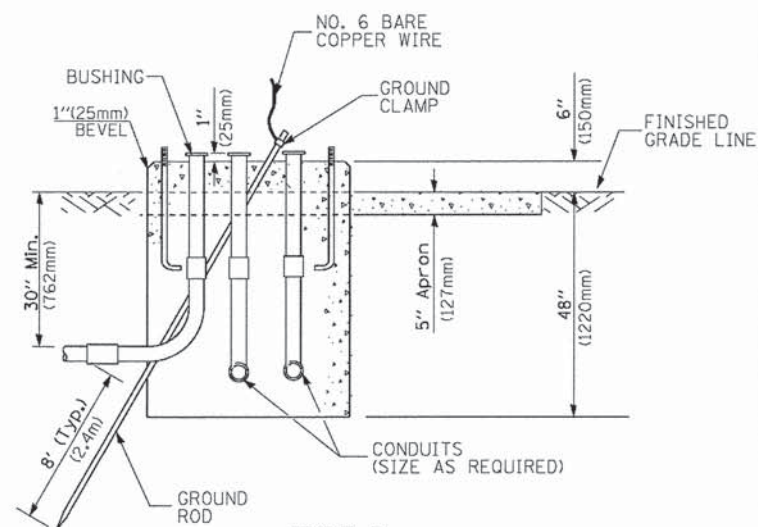
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>	
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS
STA. _____	TO STA. _____

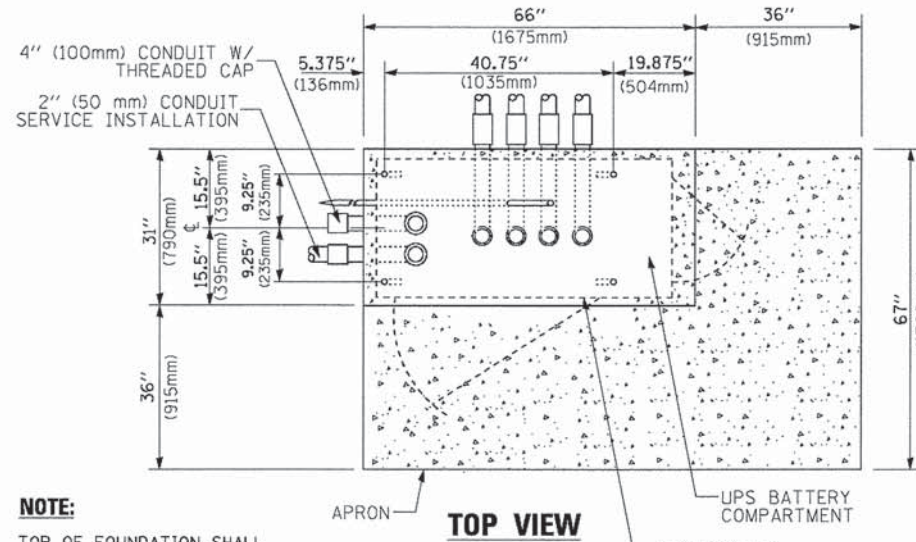
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	26
<b>TS-05</b>		<b>CONTRACT NO. 61B42</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TOP VIEW**

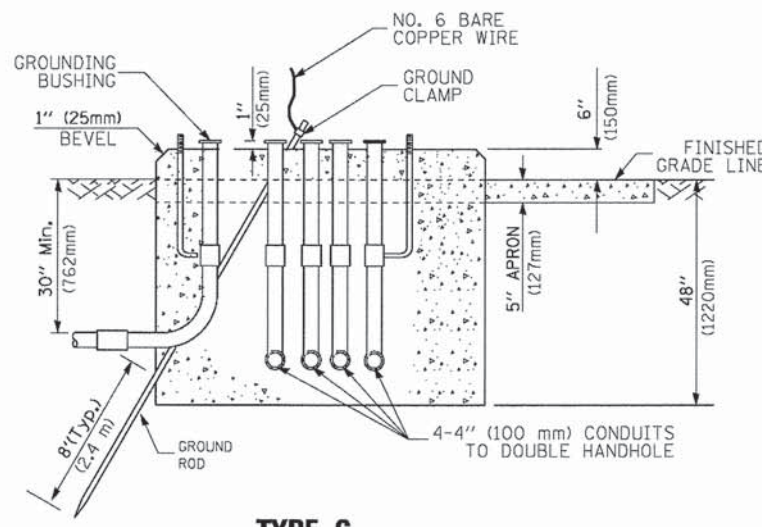


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

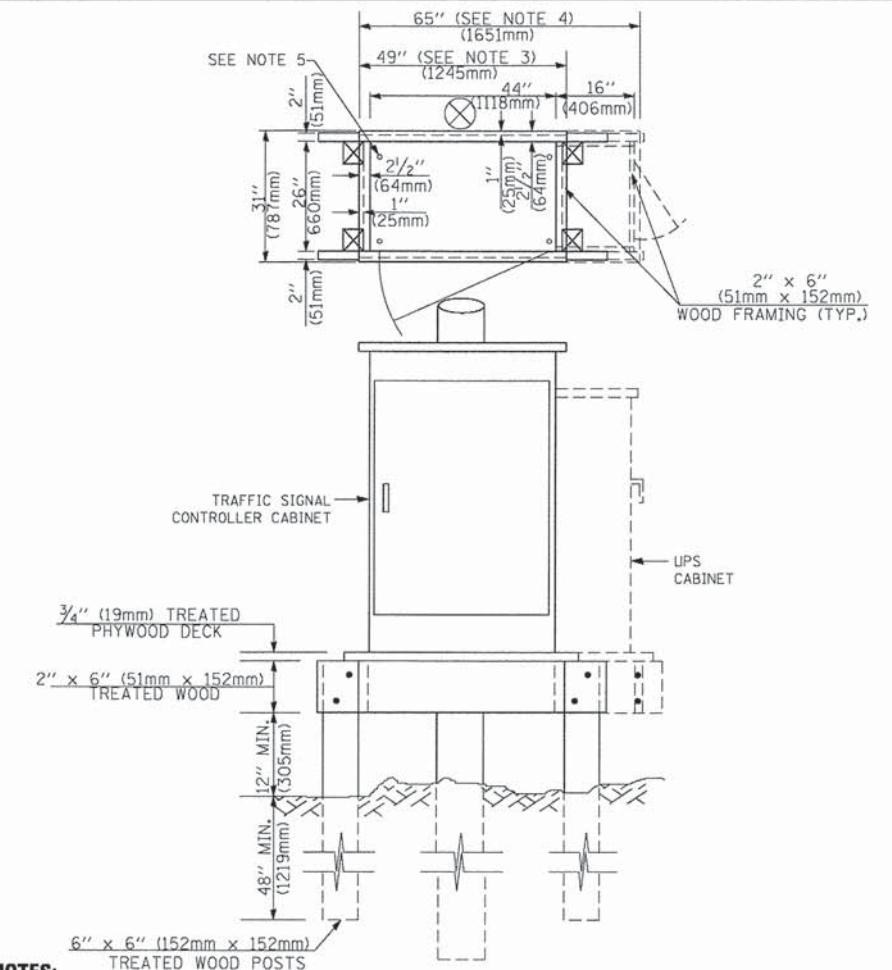


**TOP VIEW**

**NOTE:**  
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

**DEPTH OF FOUNDATION**

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBAR
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (UCS) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

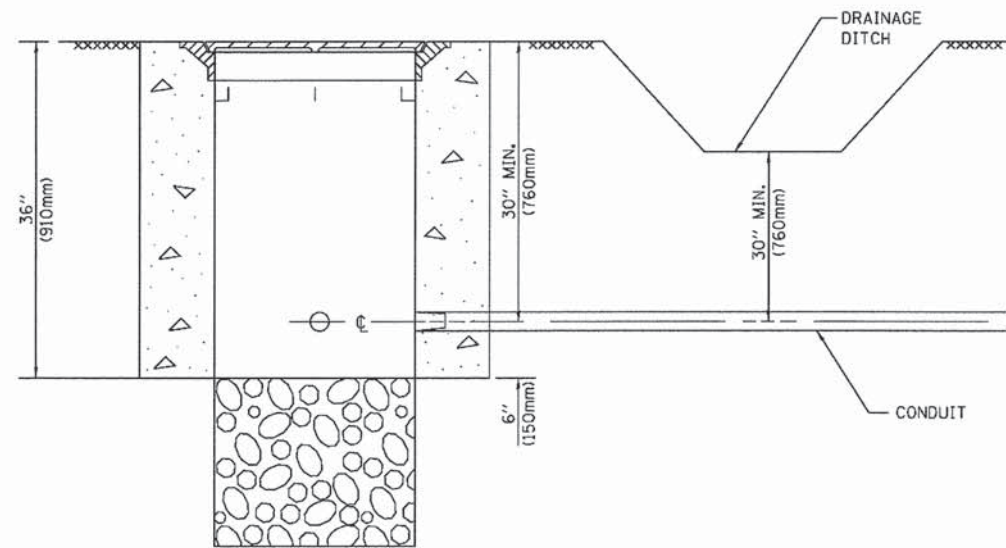
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

FILE NAME =	USER NAME = Footemj	DESIGNED - DAC	REVISED - DAG 1-1-14
ci:\pwork\pwork\Footemj\d8188315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 5 OF 7 SHEETS	STA.	TO STA.

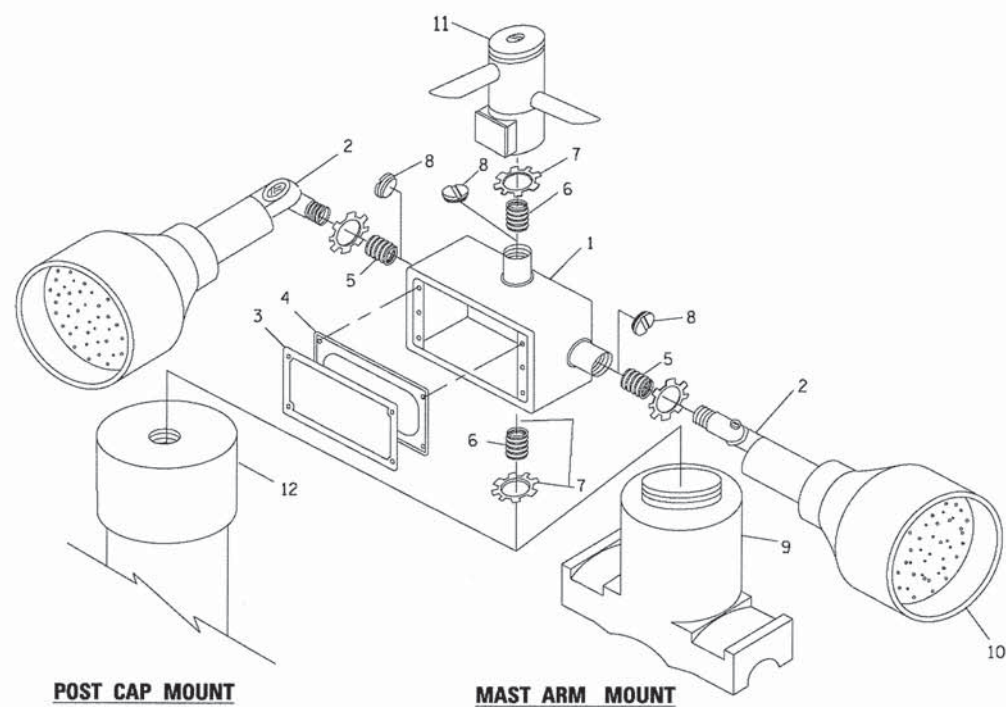
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	27
TS-05			CONTRACT NO. 61B42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



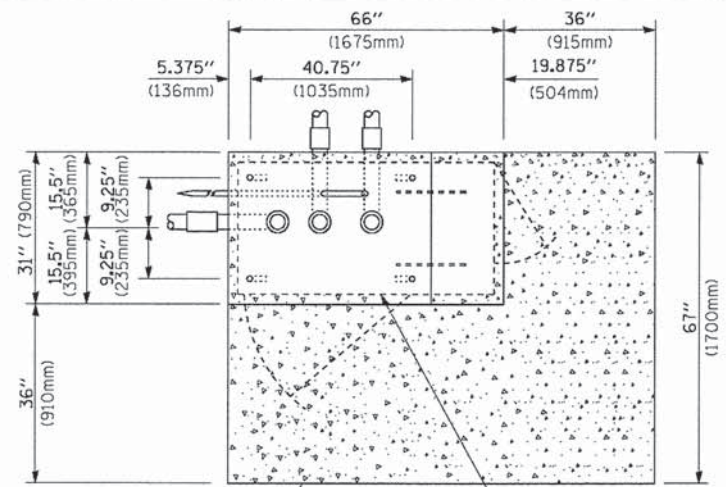
**NOTES:**

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

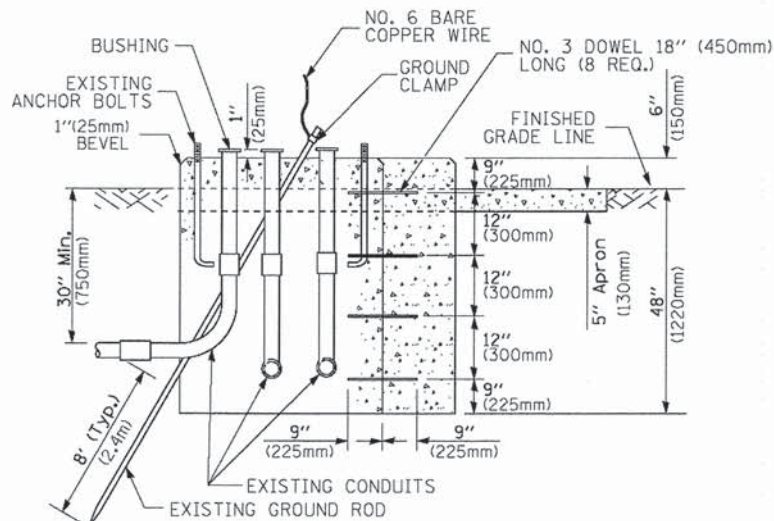
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

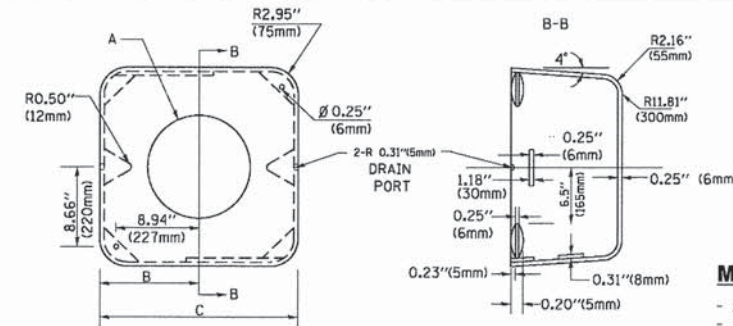


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



**MATERIAL:**

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

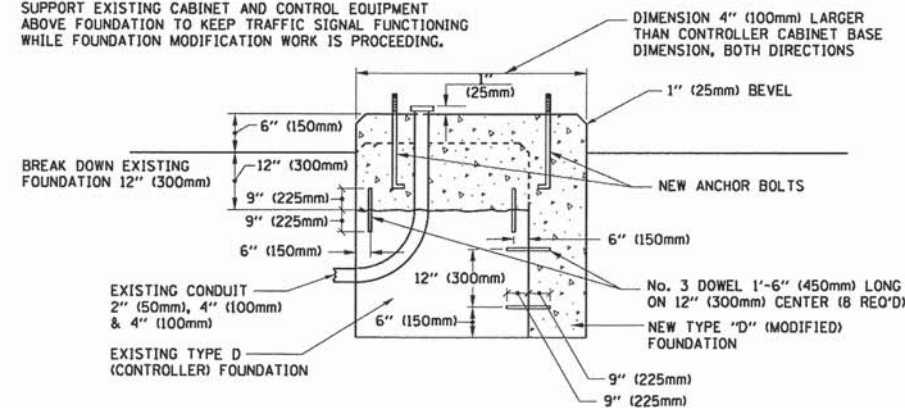
**SHROUD**

**NOTES:**

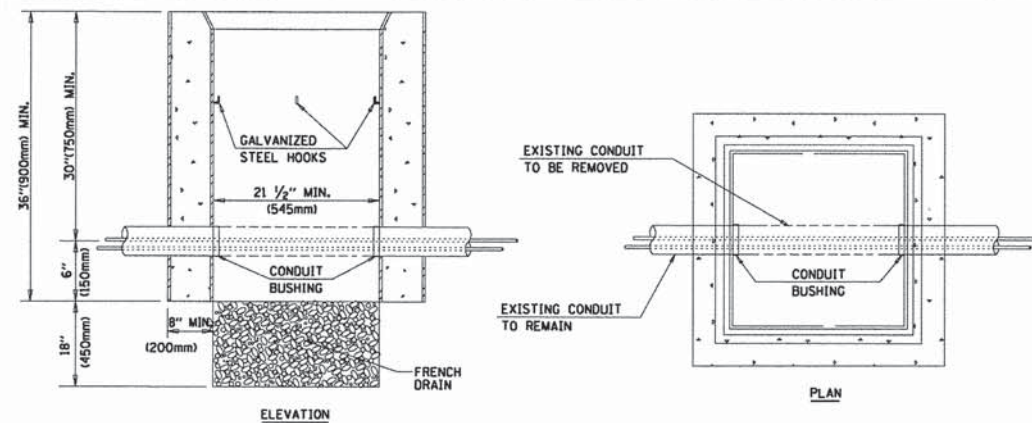
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

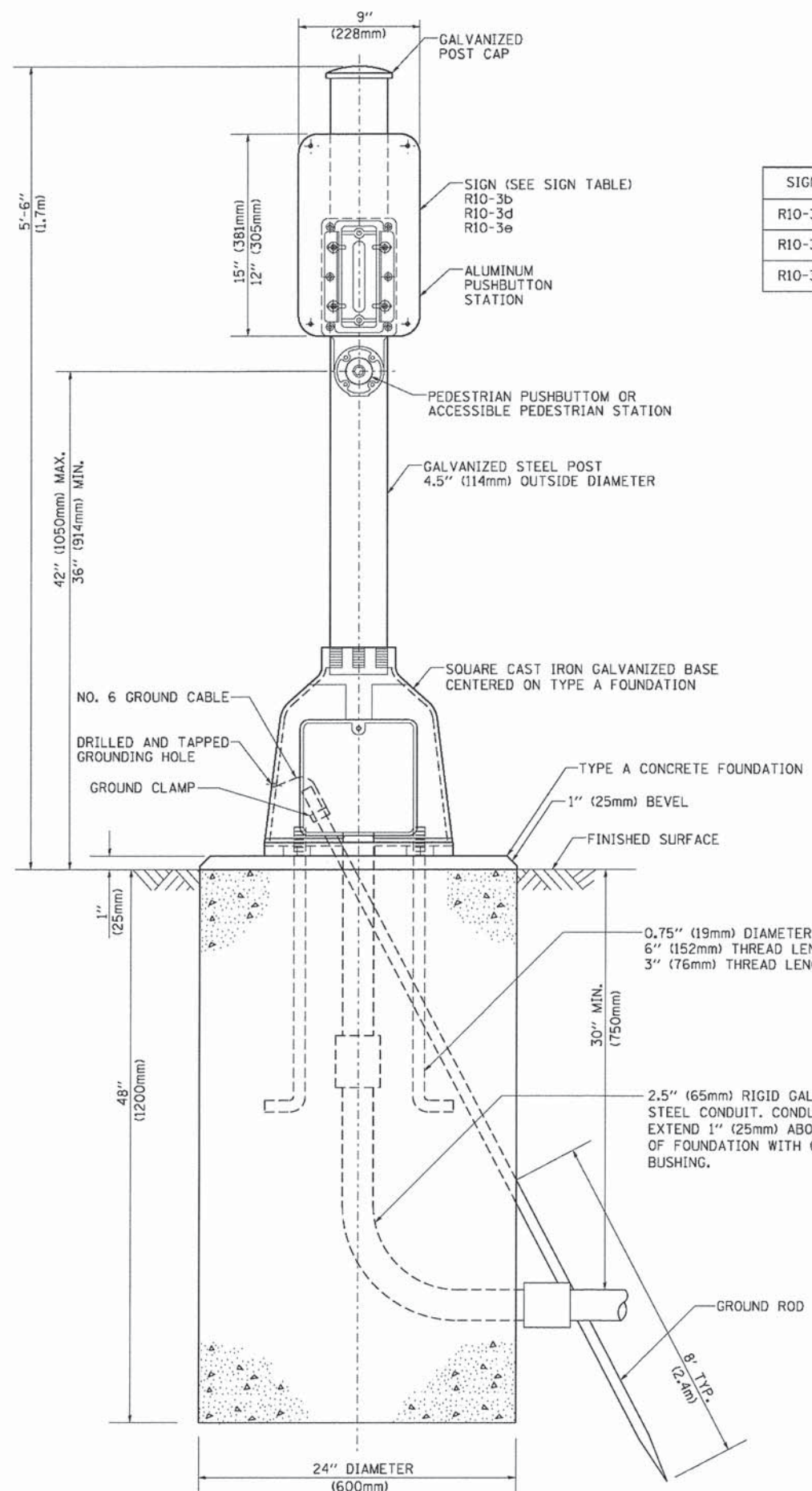
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PLOT SCALE = 50.0000 ' / in.		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

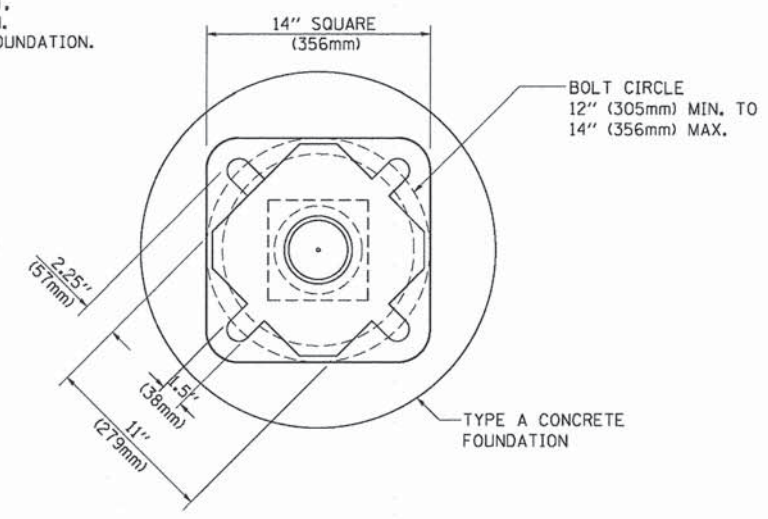
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	28
TS-05			CONTRACT NO. 61B42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



**BOLT PATTERN**  
**PEDESTRIAN PUSH BUTTON POST, TYPE A**

FILE NAME =	USER NAME = footm_j	DESIGNED - DAG	REVISED - DAG 1-1-14
ei:\pwork\pwork\footm_j\d0188315\ts05.dgn		DRAWN - GND	REVISED -
PLOT SCALE = 50.0000' / in.		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10/1/2012	REVISED -

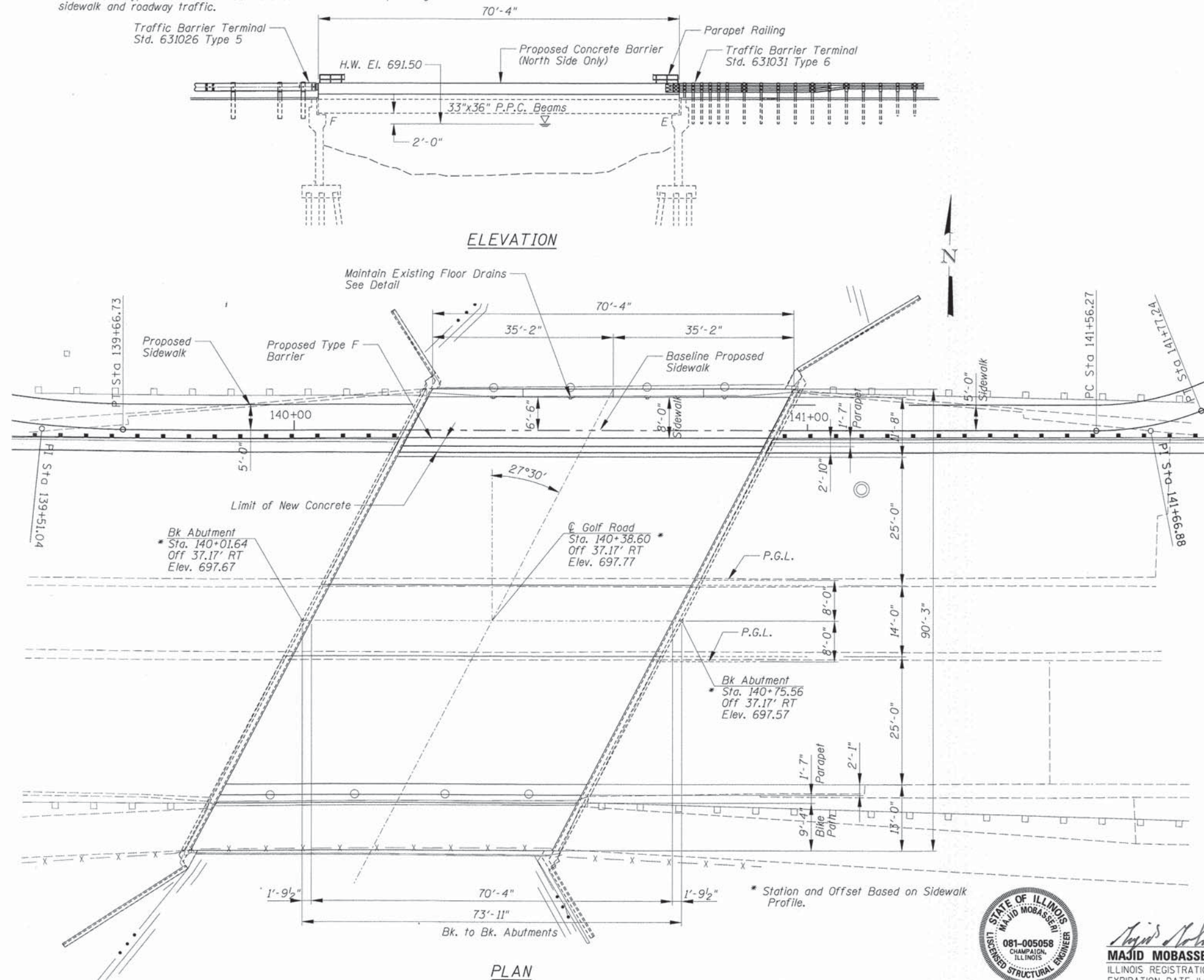
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>	
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	29
<b>TS-05</b>		<b>CONTRACT NO. 61B42</b>		
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

BENCH MARKS: OSBM 4 - NW corner of nw wing wall over salt creek on north side of Golf Road. Elev. 696.14

SCOPE OF WORK: A Type F barrier will be installed at North side separating sidewalk and roadway traffic.



**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	TOTAL
Concrete Superstructure	Cu. Yd.	8.7	8.7
Protective Coat	Sq. Yd.	127	127
Reinforcement Bars, Epoxy Coated	Pound	1730	1730
Bridge Deck Scarification 2"	Sq. Yd.	63	63
Bridge Deck Scarification 3 1/2"	Sq. Yd.	23	23
Bridge Deck Latex Concrete Overlay 2 1/2 Inches	Sq. Yd.	63	63
Bridge Deck Latex Concrete Overlay 3 1/2 Inches	Sq. Yd.	23	23
Parapet Railing	Foot	141	141

**LOADING HS20-44**

Allow 50#/sq. ft. for future wearing surface.

**DESIGN SPECIFICATIONS**

2002 AASHTO

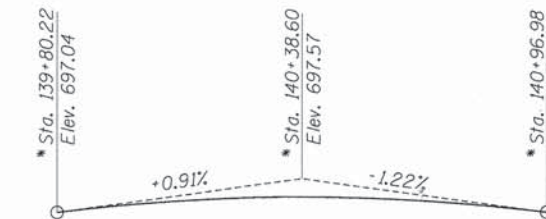
**DESIGN STRESSES**

FIELD UNITS

f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**SEISMIC DATA**

Seismic Performance Zone (SPZ) = A  
Bedrock Acceleration Coefficient (A) = 0.04g  
Site Coefficient (S) = 1.2



**PROFILE GOLF ROAD**

(@ Median Edge)



**LOCATION SKETCH**



*Majid Mobasseri*  
**MAJID MOBASSERI**  
ILLINOIS REGISTRATION No. 081-005058 STRUCTURAL ENGINEER  
EXPIRATION DATE: 11/30/16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIDEWALK RING ROAD TO NEW WILKE ROAD  
GENERAL PLAN AND ELEVATION**

SCALE: 3/32"=1'-0" SHEET 30 OF 60 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	30

CONTRACT NO. 61B42  
ILLINOIS FED. AID PROJECT

FILE NAME	USER NAME	DESIGNED	REVISIONS
N:\RD\ILLINOIS\98361BR168\Structure\GPE	prazalan	-	-
		DRAWN	REVISIONS
		CHECKED	REVISIONS
		DATE	REVISIONS

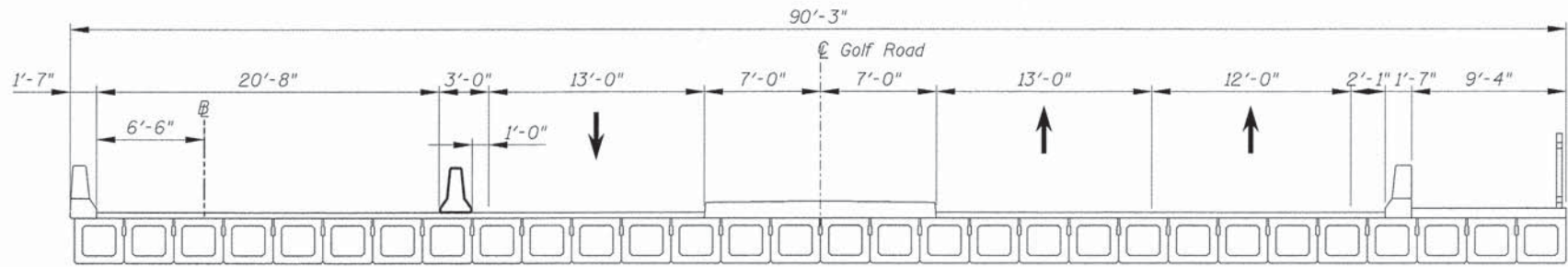
GENERAL PLAN  
GOLF ROAD (IL RTE. 58)  
OVER SALT CREEK  
COOK COUNTY  
STA.000+00.00  
STRUCTURE NO. 016-0349

**GENERAL NOTES**

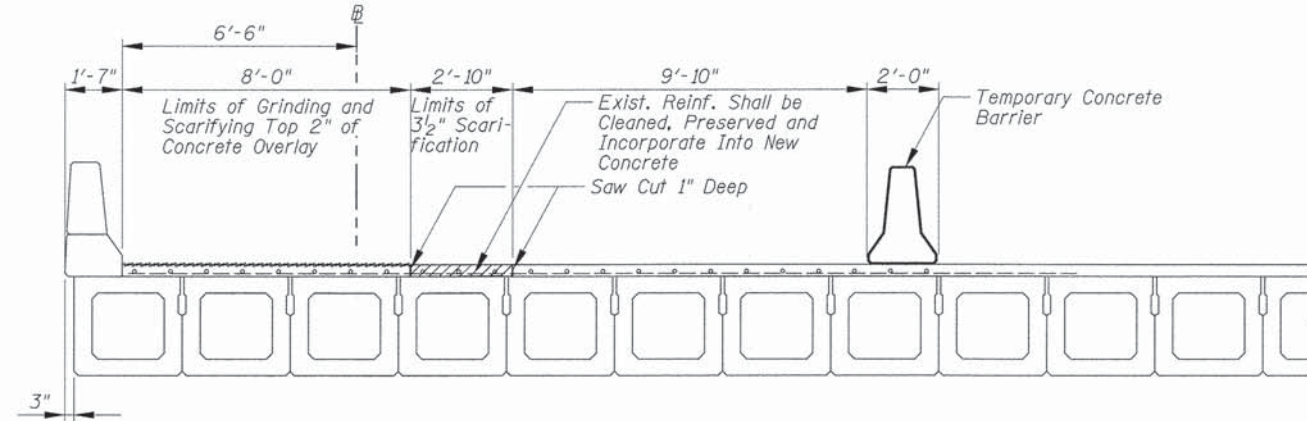
1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
4. The minimum thickness of the existing concrete overlay is 4 inches and varies as required to adjust for the profile grade and Beam Camber.
5. If the Contractor's procedures for partial concrete wearing surface removal, for placing new concrete wearing surface, and for placing concrete parapet involves placement of heavy equipment on the bridge, a detailed procedure shall be submitted to the Engineer for review and approval. The procedure shall include calculations, sealed and signed by an Illinois Licensed Structural Engineer, verifying the structural capacity of the bridge.
6. Any damage done to the bridge during construction shall be repaired by the Contractor at no cost to IDOT.
7. No in stream work will be allowed.

**CONSTRUCTION NOTES**

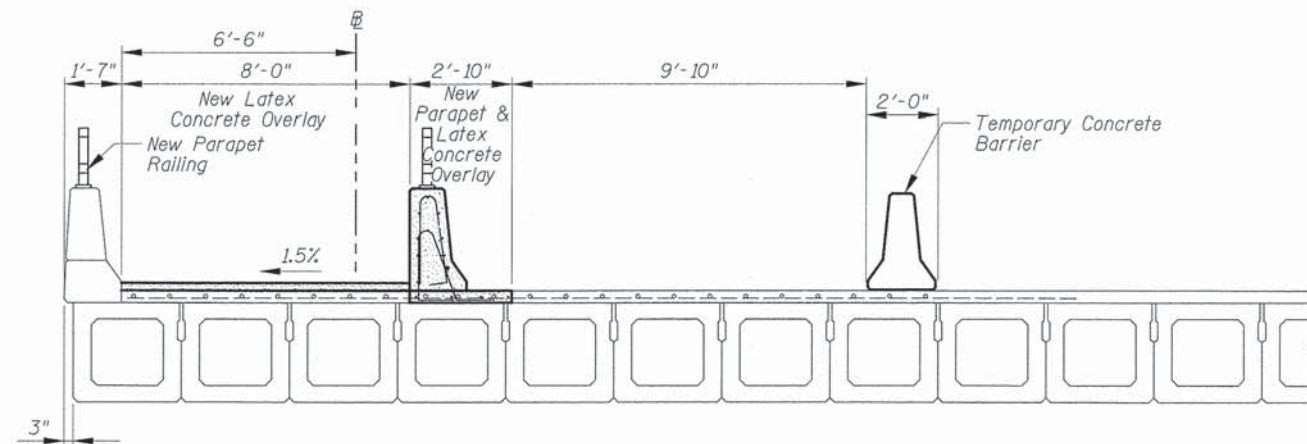
1. The Contractor shall saw cut the existing concrete wearing surface 1" deep along the limits of concrete removal as shown on the plan.
2. The Contractor shall remove the existing concrete wearing surface by hydro-scarification equipment. Care shall be taken not to damage any existing PPC Deck Beams. Approximately 2" shall be scarified for the proposed sidewalk, and it is estimated that 3" to 4" will need to be removed under the new parapet (but not more than the 4" concrete overlay thickness) in order to remove to just below the existing reinforcement. Do not cut existing reinforcing bars where they are shown to be cleaned and preserved for incorporation into new construction. Concrete removal shall be paid for as Bridge Deck Scarification 2" or Bridge Deck Scarification 3 1/2".
3. Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Bridge Deck Scarification of the thickness specified.
4. The 8'-0" wide sidewalk area shall be paid for as Bridge Deck Latex Concrete Overlay 2 1/2". The 2'-10" wide reinforced concrete overlay, as specified on the plan details, shall be paid for at the Contract Unit Price Bid per Square Yard for Bridge Deck Latex Concrete Overlay 3 1/2" and pounds for Reinforcement Bars, Epoxy Coated. The proposed parapet shall be paid for per Cubic Yard for Concrete Superstructure.
5. Slipforming of parapet is not allowed.
6. Maintain existing floor drains at north parapet per details below.
7. Existing structure shall be protected from overloading due to construction loadings.



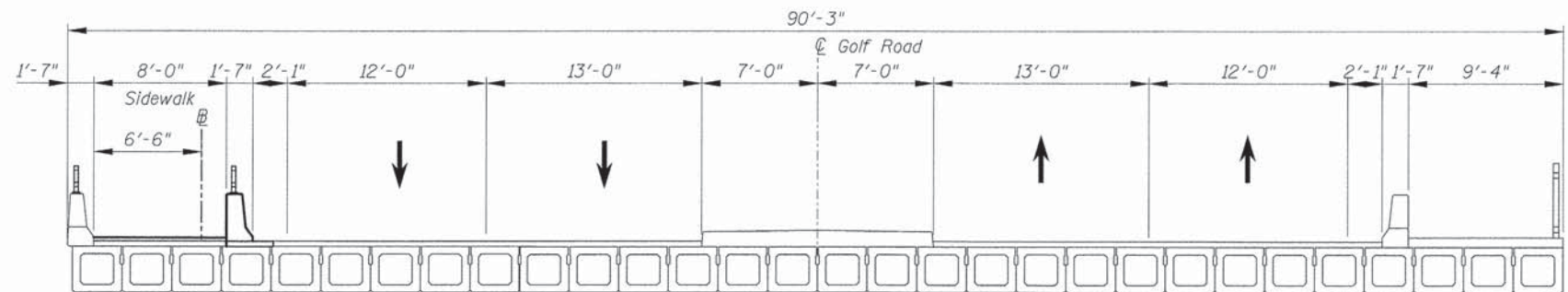
**STAGING CROSS SECTION**



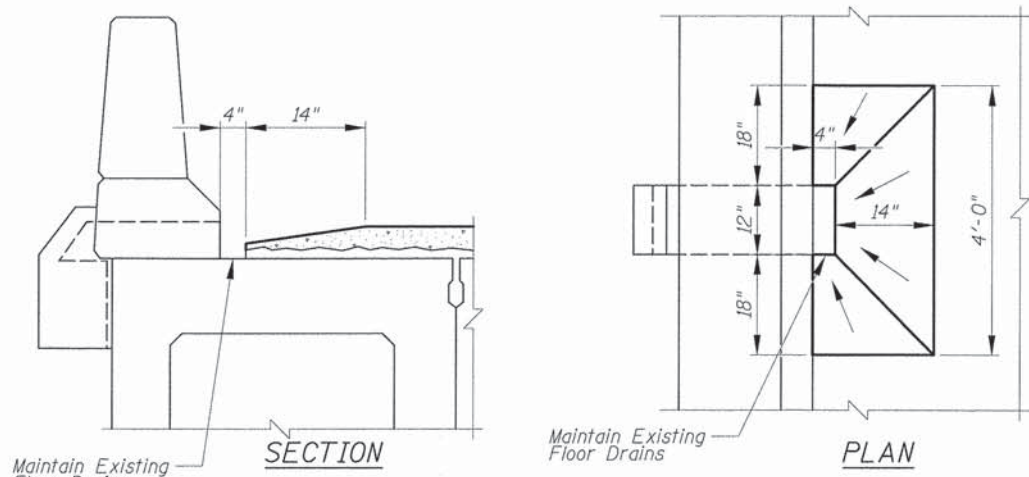
**DETAIL - CONCRETE REMOVAL**



**NEW PARAPET AND CONCRETE OVERLAY**



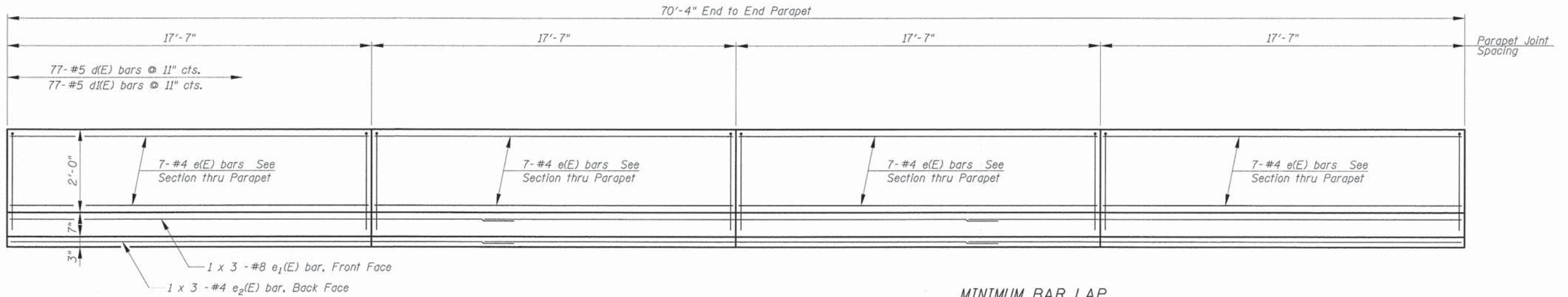
**FINAL CROSS SECTION**



**FLOOR DRAINS AT NORTH PARAPET**

FILE NAME =	USER NAME = prozolan	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIDEWALK RING ROAD TO NEW WILKE ROAD BRIDGE CONSTRUCTION STAGING, NOTES AND DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGMEADOWS\98361BR168\Struct\NOTE_98361BR168.sht	PLOT SCALE = 1"	DRAWN -	REVISED -			0559	14-00110-00-SW	COOK	60	31
Default	PLOT DATE = 4/6/2015	CHECKED -	REVISED -			CONTRACT NO. 61B42				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

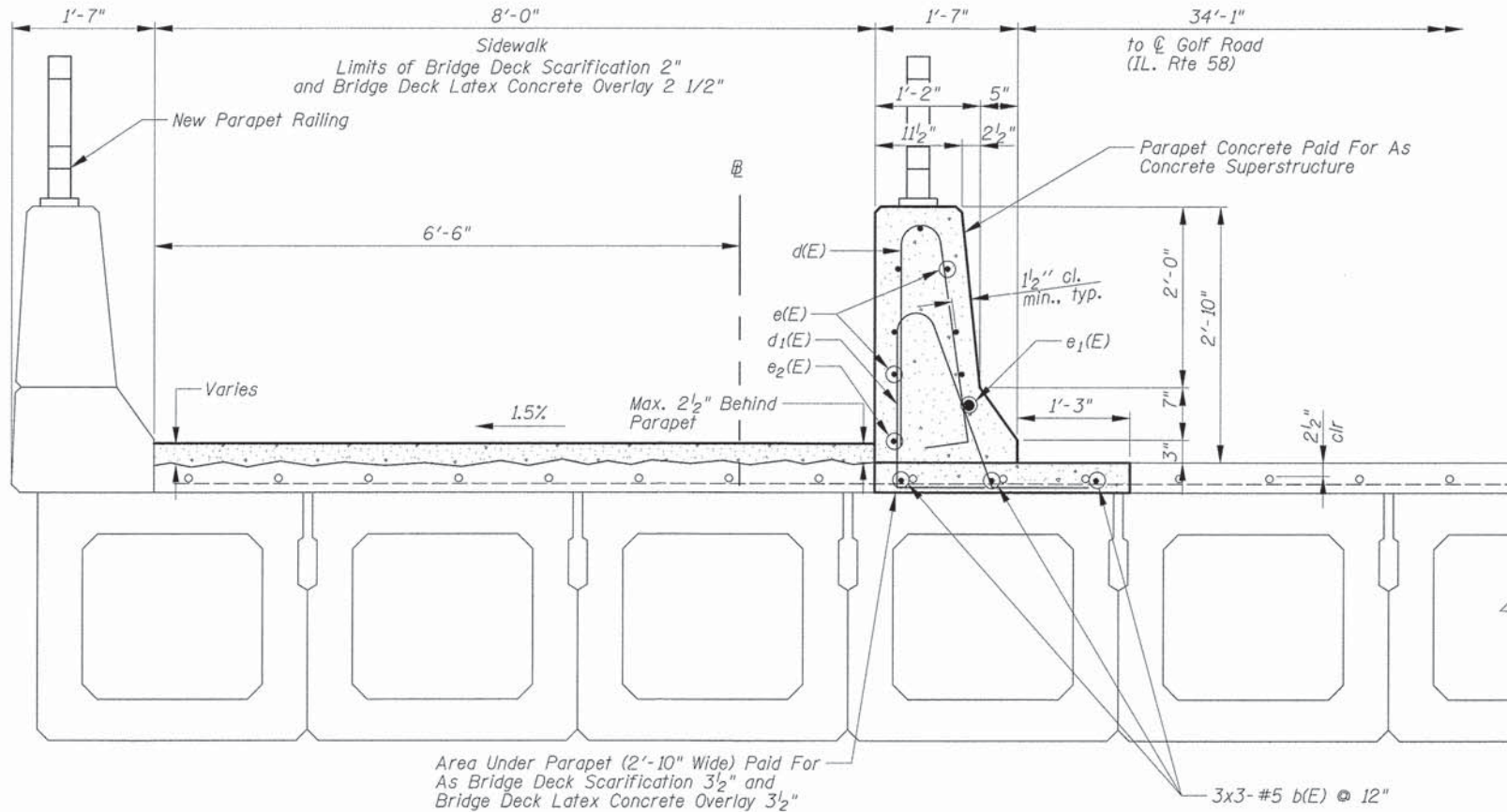
SCALE: 1"=20' SHEET 31 OF 60 SHEETS STA. TO STA.



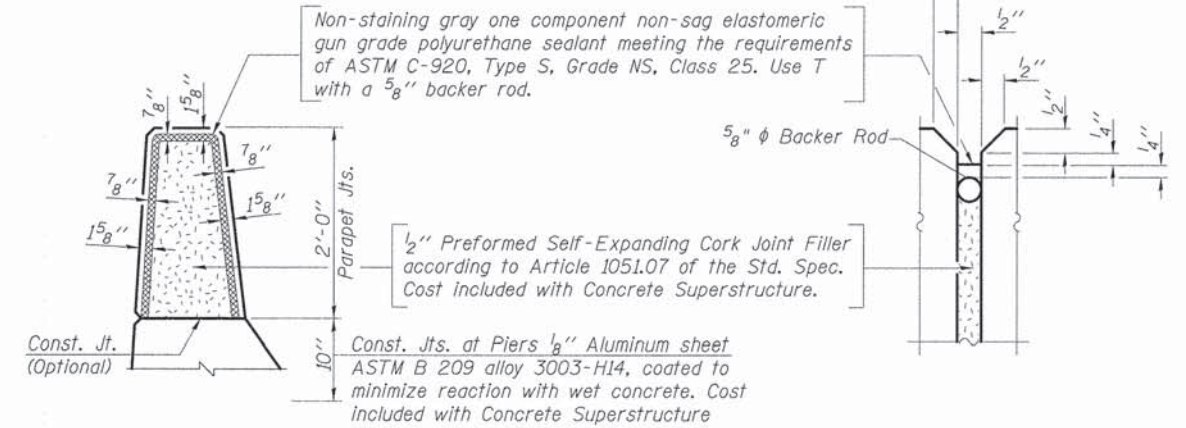
INSIDE ELEVATION OF PROPOSED PARAPET

MINIMUM BAR LAP

- (Parapet)
- #4 bar = 2'-3"
- #5 bar = 2'-10"
- #8 bar = 5'-10"



SECTION AT PROPOSED PARAPET

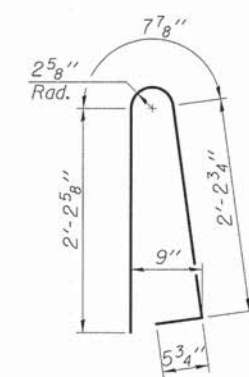


PARAPET JOINT DETAILS

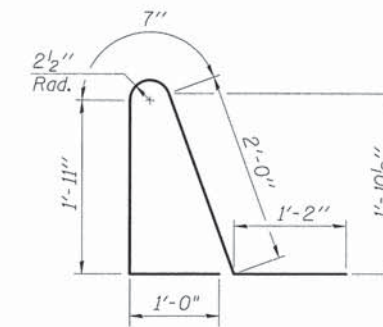
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b(E)	9	#5	25'-3"	—
d(E)	77	#5	5'-7"	⌋
d1(E)	77	#5	5'-8"	⌋
e(E)	28	#4	17'-4"	—
e1(E)	3	#8	27'-4"	—
e2(E)	3	#4	25'-0"	—
Reinforcement Bars, Epoxy Coated			Pound	1,730
Concrete Superstructure			Cu. Yds.	8.7

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

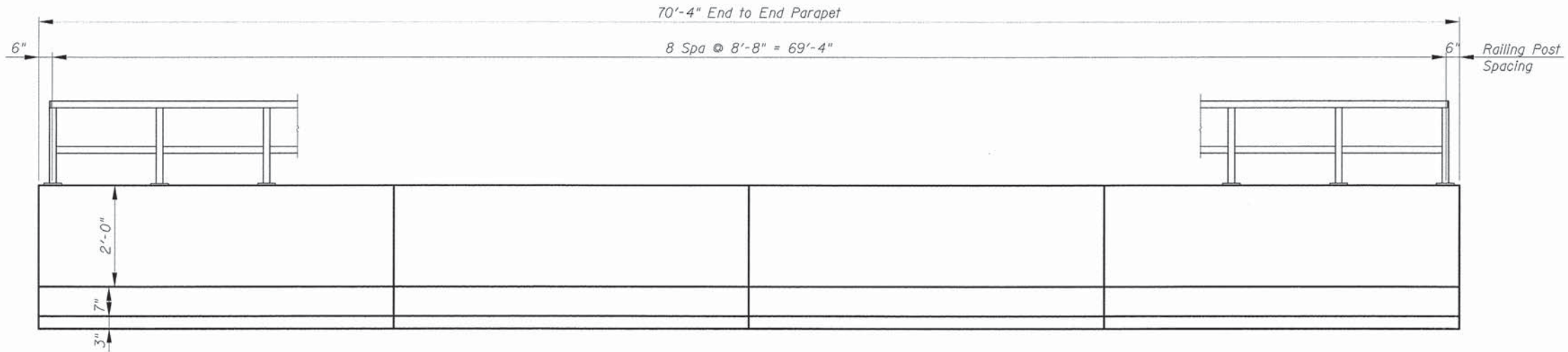


BAR d(E)



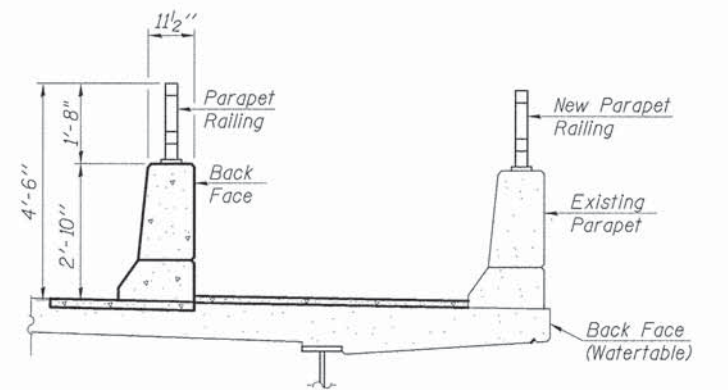
BAR d1(E)



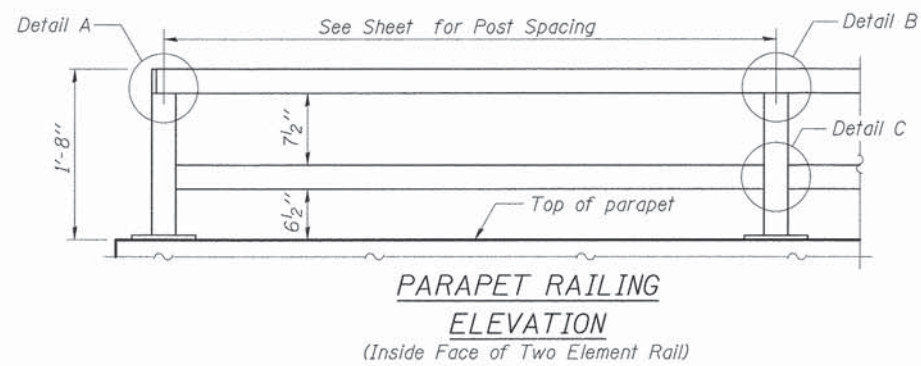


PARAPET RAILING POST  
ELEVATION

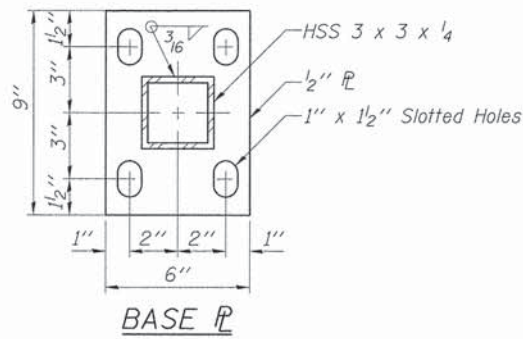
NOTE:  
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



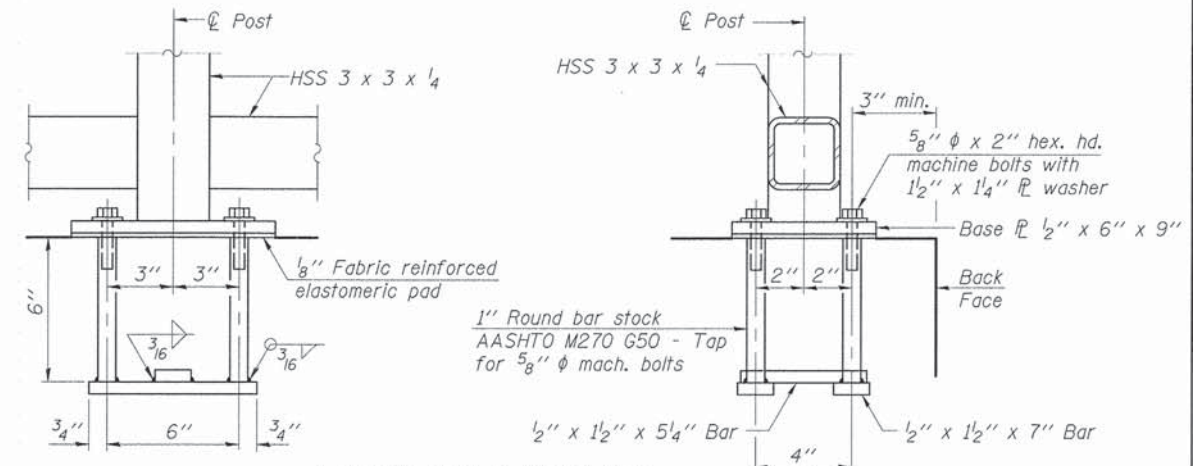
SECTION THRU DECK



PARAPET RAILING  
ELEVATION  
(Inside Face of Two Element Rail)



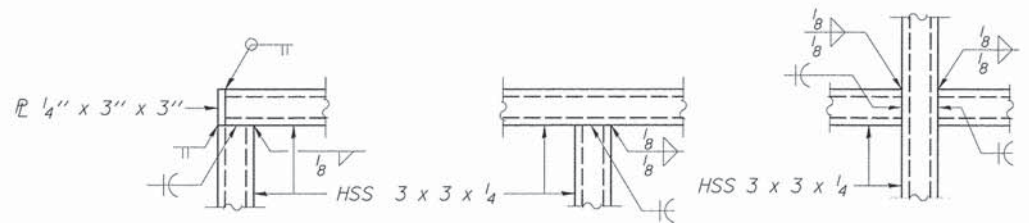
BASE PLATE



ANCHOR BOLT DETAILS

For New Parapet: In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

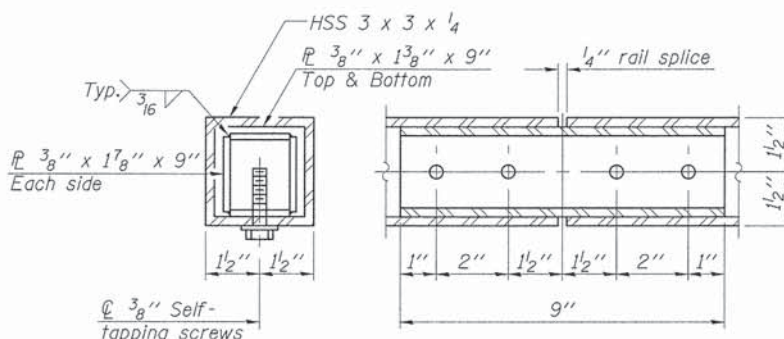
For Existing Parapet: The Contractor shall drill and set 5/8" anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



DETAIL A

DETAIL B

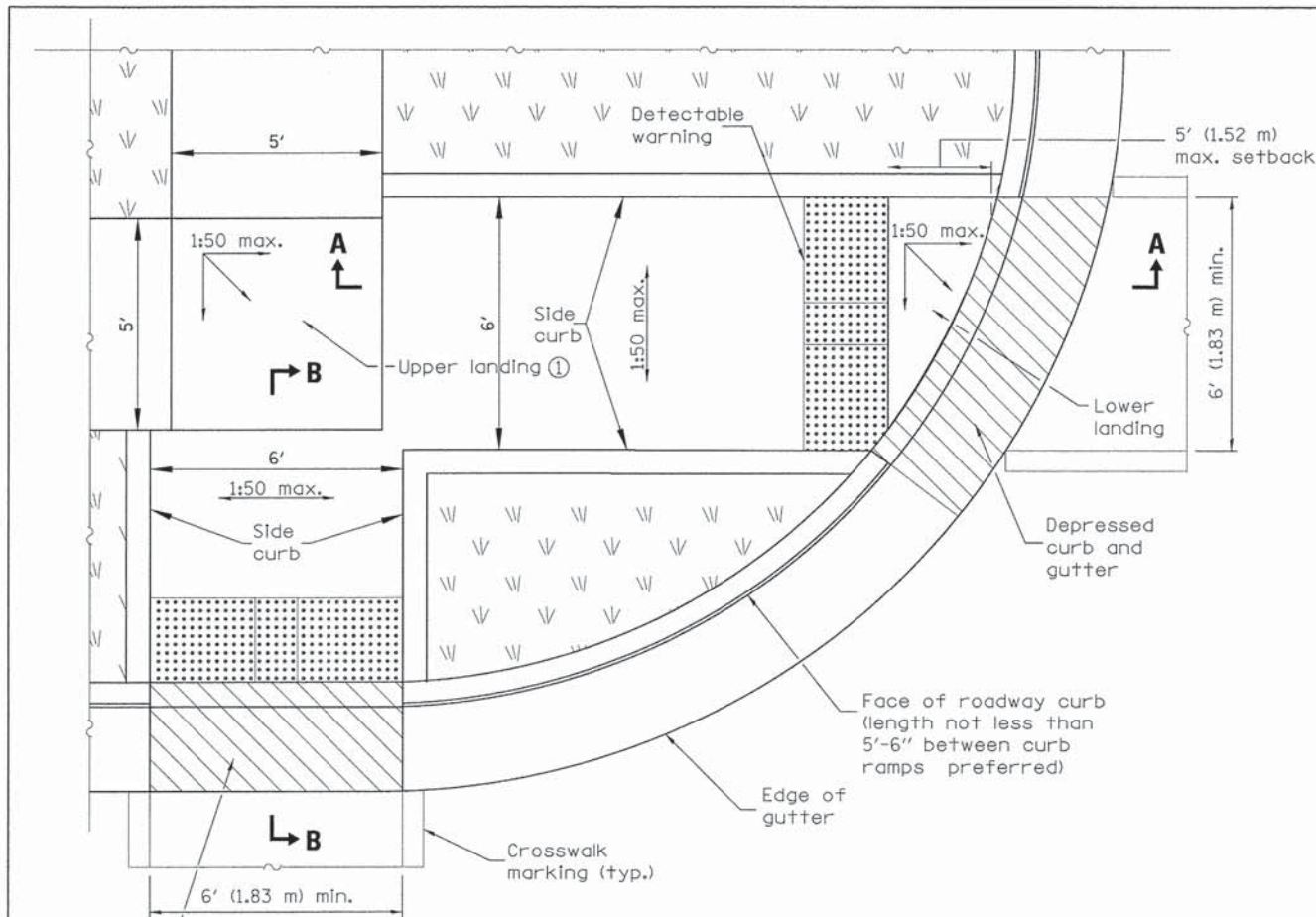
DETAIL C



RAIL SPLICE

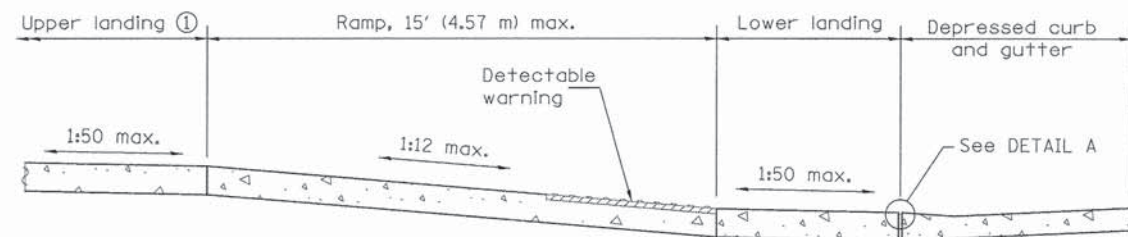
BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	141



**RAMPS IN LANDSCAPED AREA  
SETBACK ≤ 5'**

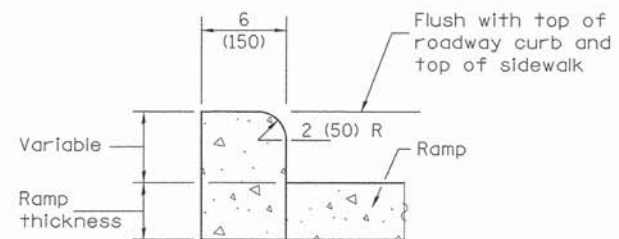
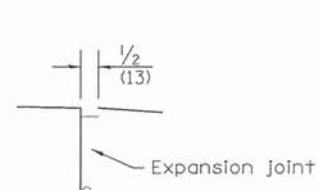
Depressed curb and gutter



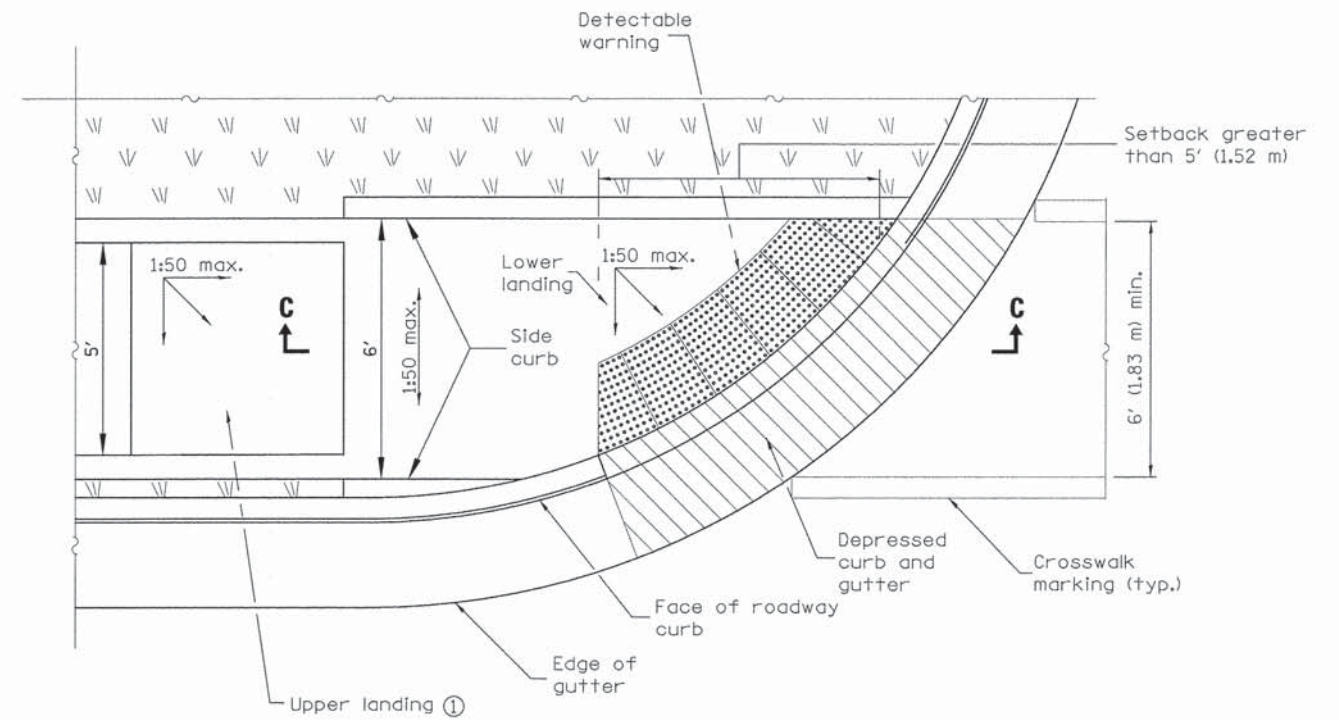
**SECTION A-A**

① Upper landing not required for ramp slopes flatter than 1:20.

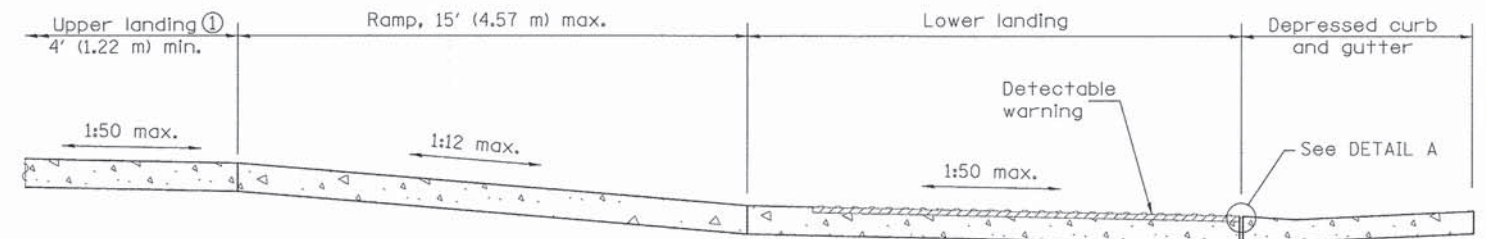
**DETAIL A**



**SIDE CURB DETAIL**

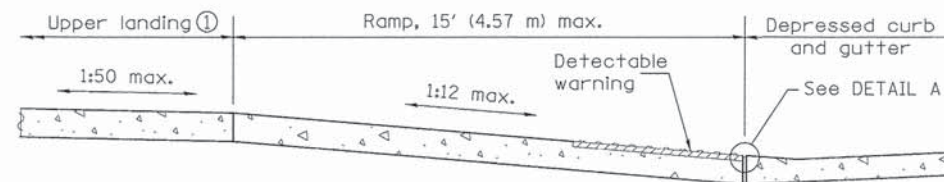


**RAMP IN LANDSCAPED AREA  
SETBACK > 5'**



**SECTION C-C**

① Upper landing not required for ramp slopes flatter than 1:20.



**SECTION B-B**

① Upper landing not required for ramp slopes flatter than 1:20.

**GENERAL NOTES**

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

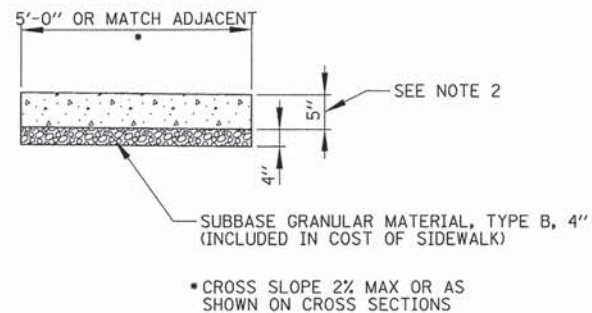
Where 1:50 maximum slope is shown, 1:64 is preferred.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

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

**ROLLING MEADOWS  
PERPENDICULAR CURB RAMPS  
FOR SIDEWALKS**

FILE NAME =	USER NAME = prozelon	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIDEWALK RING ROAD TO NEW WILKE ROAD DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGMEADOWS\98361BR16\VC\1\DET_8361BR16-01.SHT		DRAWN -	REVISED -			0559	14-00110-00-SW	COOK	60	34
PLOT SCALE = 1"		CHECKED -	REVISED -			CONTRACT NO. 61B42				
PLOT DATE = 4/6/2015		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
Default				SCALE: 1"=20'		SHEET 34 OF 60 SHEETS STA.		TO STA.		

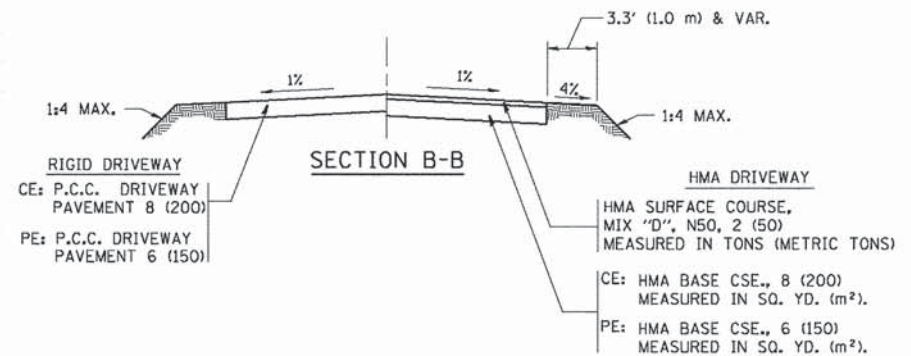
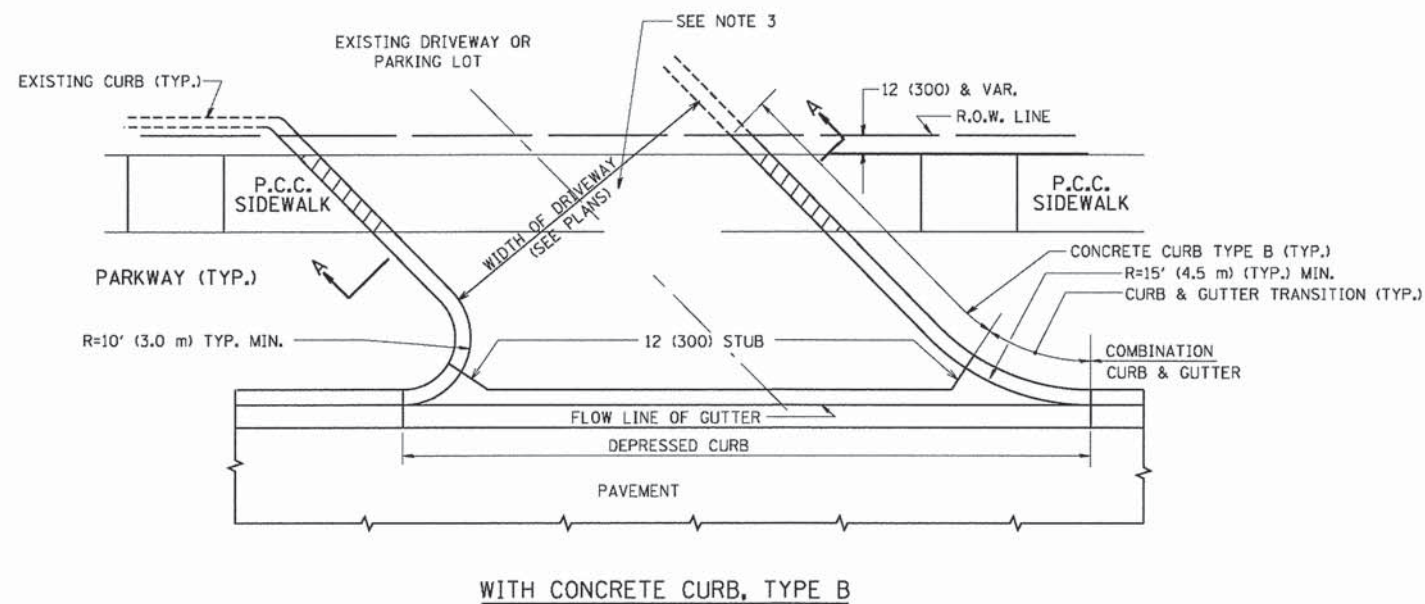
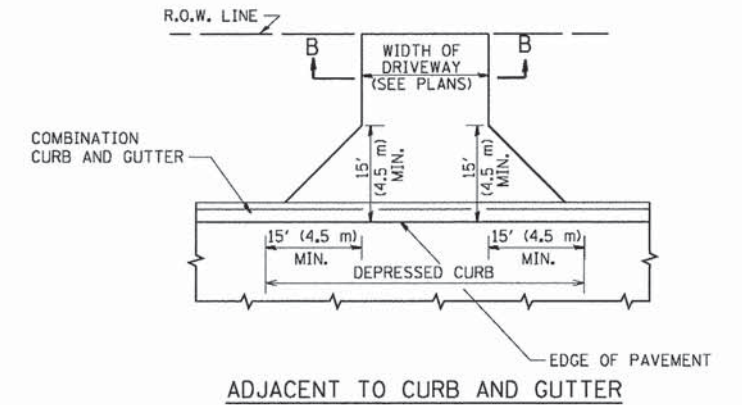
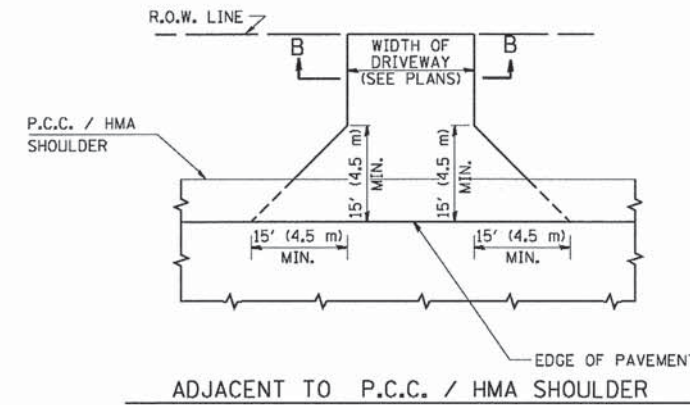
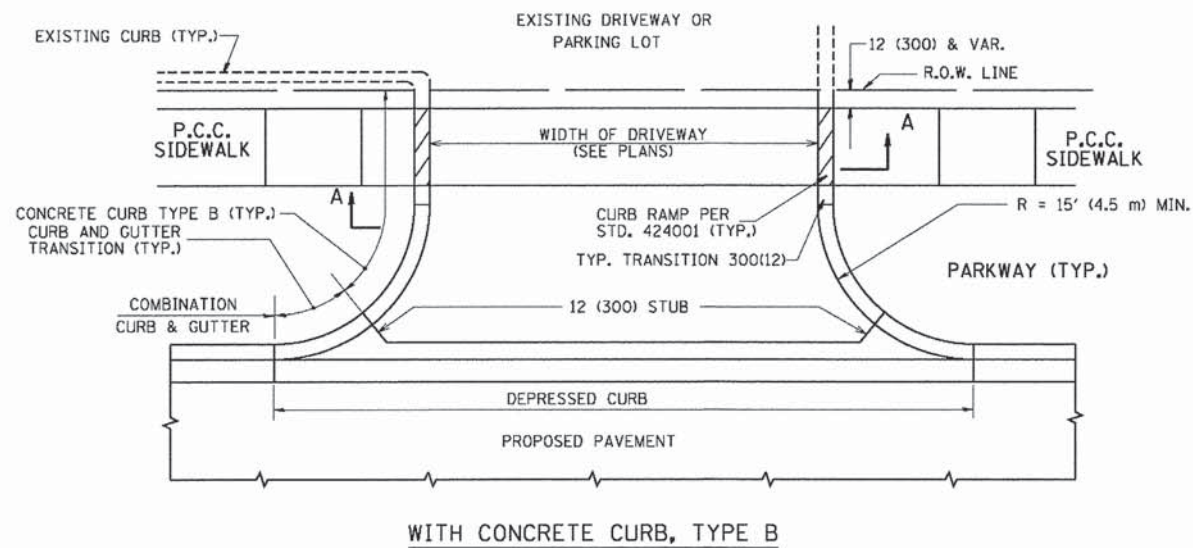


NOTES:

1. ALL REQUIRED EARTH EXCAVATION TO CONSTRUCT P.C.C. SIDEWALK SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH, SPECIAL.
2. THICKNESS SHALL BE INCREASED TO 6" WHERE SIDEWALK IS ADJACENT TO A CONCRETE DRIVEWAY. THIS SHALL BE INCLUDED IN THE COST OF P.C.C. SIDEWALK 5 INCH, SPECIAL.
3. CONTRACTOR TO "BOX OUT" EXISTING BUFFALO BOXES, AND GAS VALVES OR AS OTHERWISE DIRECTED BY THE ENGINEER WITH 3/4" PREFORMED EXPANSION JOINT FILLER. HORIZONTAL CLEARANCE TO BE 5" MINIMUM OR AS DIRECTED BY THE ENGINEER.
4. CONTRACTOR TO PLACE 4" DIAMETER PVC "SLEEVE" AT THE BASE OF EXISTING SIGN POSTS. THIS SLEEVE SHALL BE THE SAME DEPTH AS THE ADJACENT P.C.C. SIDEWALK 5 INCH, SPECIAL OR AS DIRECTED BY THE ENGINEER.

**P.C.C. SIDEWALK 5 INCH, SPECIAL**  
NOT TO SCALE

FILE NAME =	USER NAME = prozalen	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIDEWALK RING ROAD TO NEW WILKE ROAD DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\ROLLINGHEADS\98361BR160\Civil\DET_8361BR160-02.SHT	PLOT SCALE = 1'	DRAWN -	REVISED -			0559	14-00110-00-SW	COOK	60	35
Default	PLOT DATE = 4/6/2015	CHECKED -	REVISED -			CONTRACT NO. 61B42				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: 1"=20'		SHEET 35 OF 60 SHEETS		STA. TO STA.		



**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.

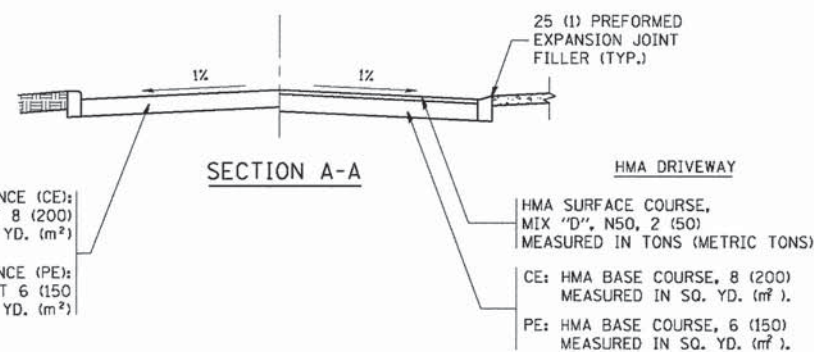
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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.

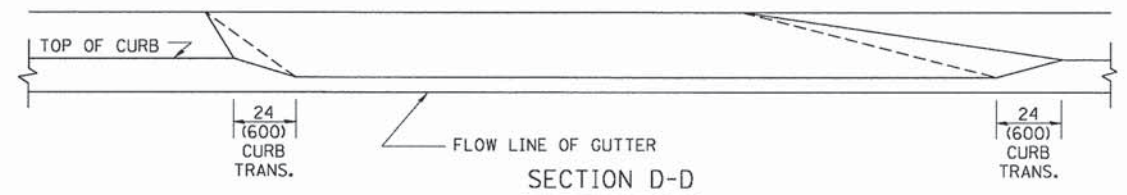
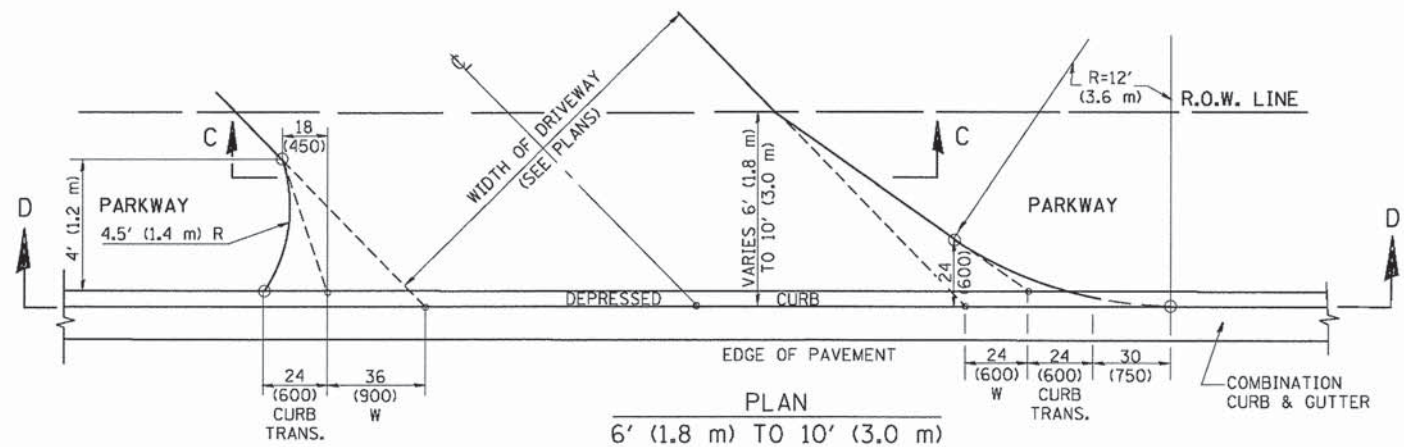
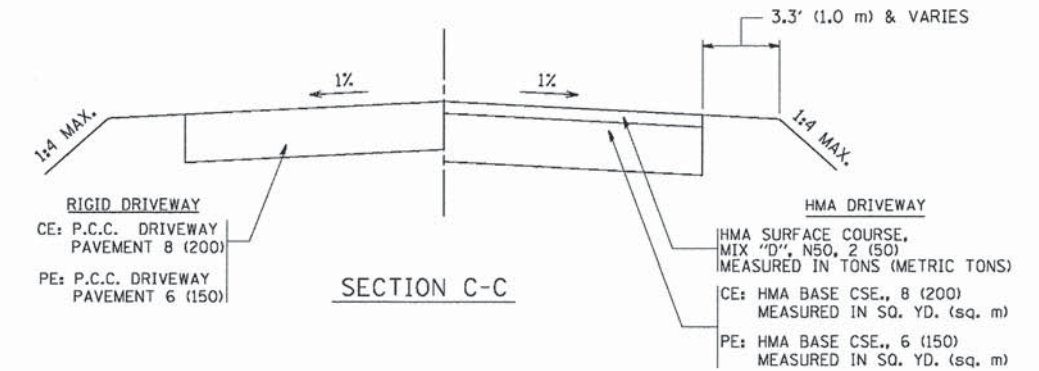
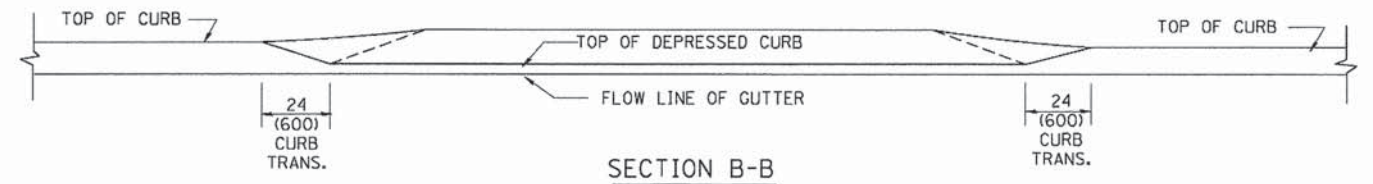
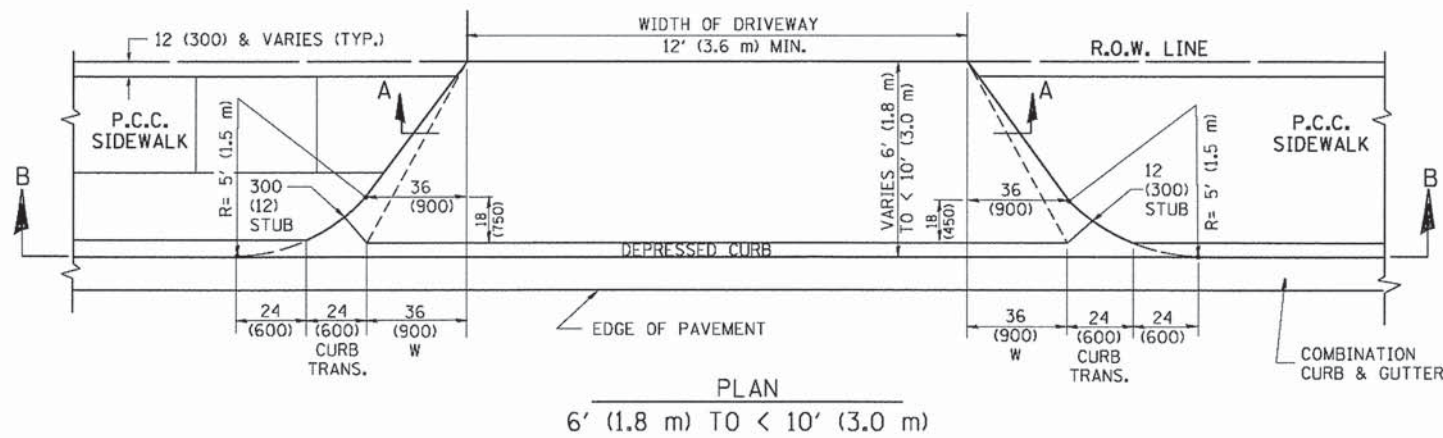
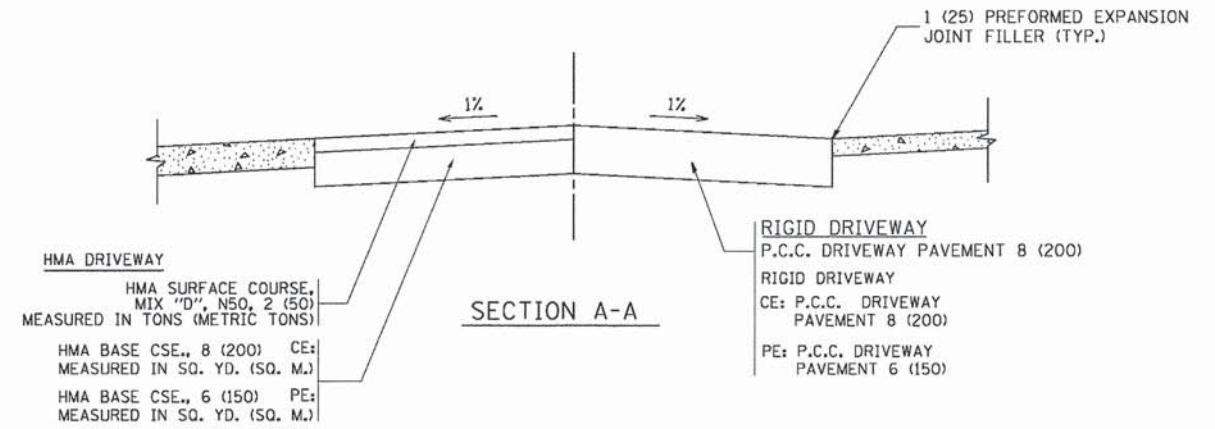
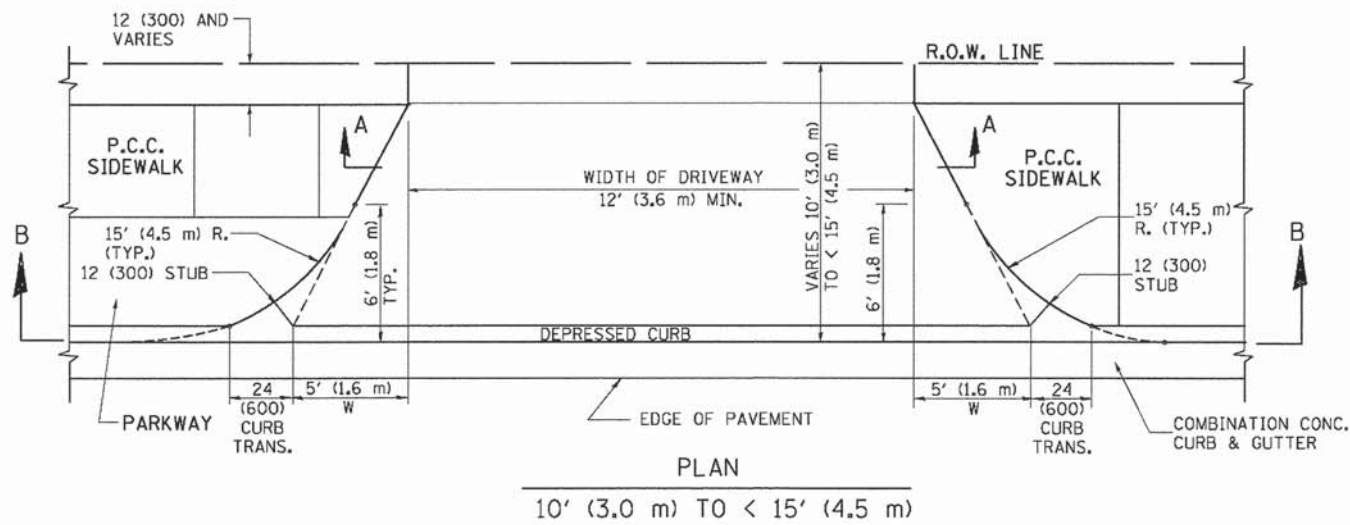


FILE NAME =	USER NAME = lsgaa	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
ci\pwork\pwork\lsgaa\d0188315\bd01.dgn		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB &amp; EDGE OF SHOULDER &gt;= 15' (4.5 m)</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	36
<b>BD0156-07 (BD-01)</b>			<b>CONTRACT NO. 61842</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**GENERAL NOTES**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICE 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 FOR PERMITS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

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 DRIVEWAY PAVEMENT OR CURB 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).

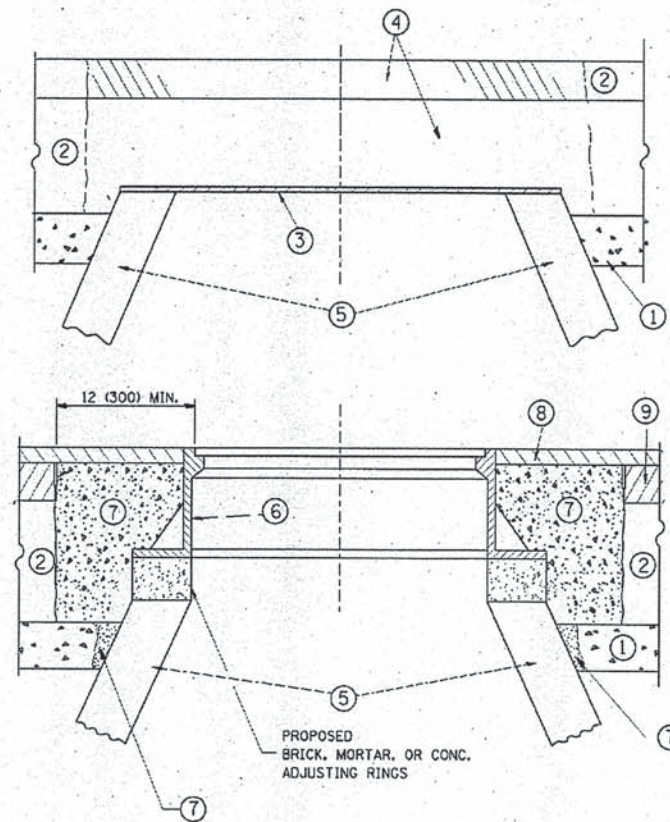
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = jayse	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
as\pwork\pwork\jayse\d0108315\bd02.dgn		DRAWN -	REVISED - P. LaFLEUR 04-15-03
	PLOT SCALE = 50,0000' / in.	CHECKED - R. BORO 01-01-07	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	37
BD400-02 (BD-02)			CONTRACT NO. 61842	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**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.

**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.

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

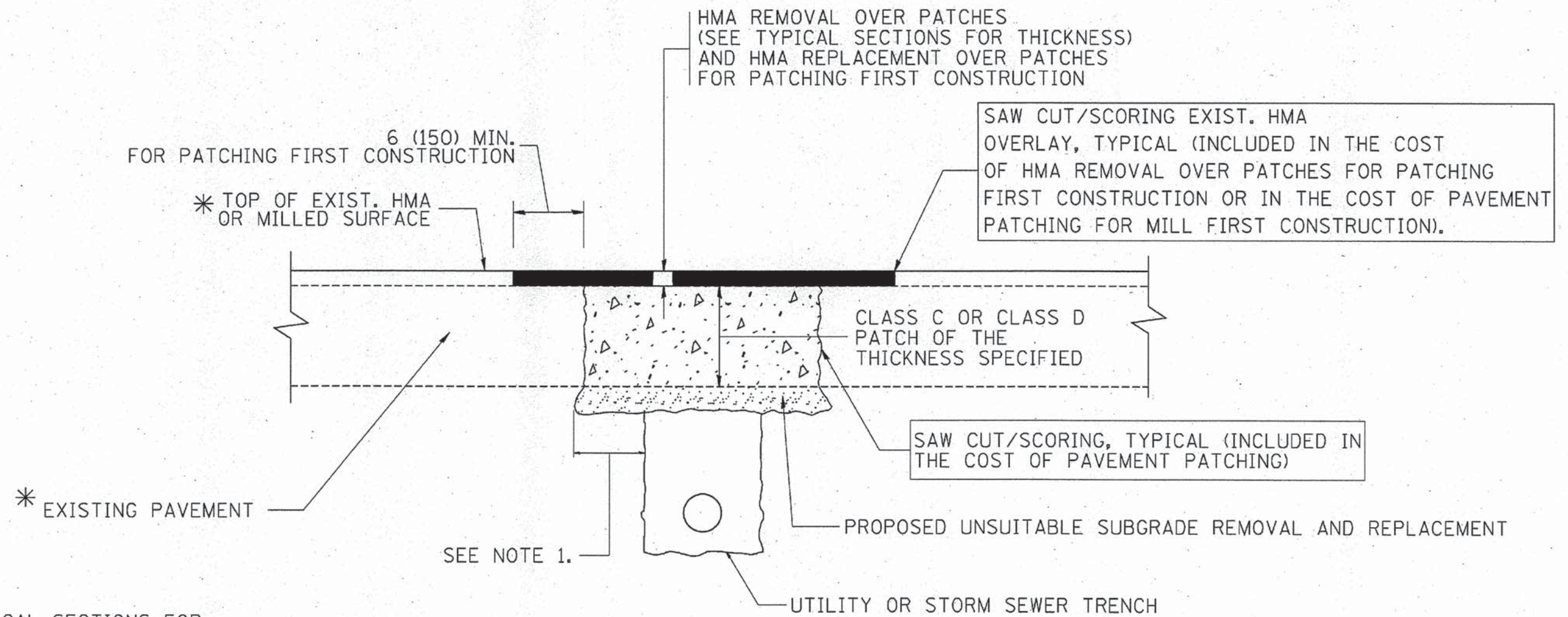
DESIGNED - R. SHAH	REVISED - A. ABBAS 03-21-97
DRAWN -	REVISED - R. WIEDEMAN 05-14-04
CHECKED -	REVISED - R. BORO 01-01-07
DATE - 10-25-94	REVISED - R. BORO 03-09-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE. 0559	SECTION 14-00110-00-SW	COUNTY COOK	TOTAL SHEET NO. 60	37A
BD600-03 (BD-8)			CONTRACT NO. 61842	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME * c:\pro_jaota\d\stsd22x34\bd22.dgn	USER NAME * bauer-dl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>		F.A.P. RTE. 0559	SECTION 14-00110-00-SW	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 378
	PLOT SCALE = 58,000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 61B42		
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) \* \*

18" (450) MAX.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

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.)

\* 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. SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ 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.

⑥ 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.

⑦ 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.

⑧ 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.

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 =	USER NAME = drivkosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
at:\p\work\p\work\drivkosgn\d2\28315\c24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.800 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

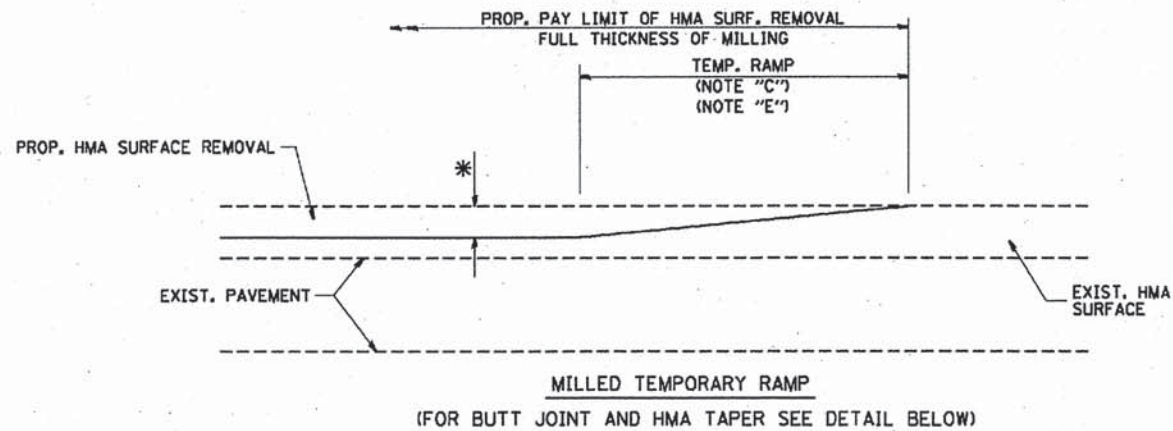
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER  
REMOVAL AND REPLACEMENT

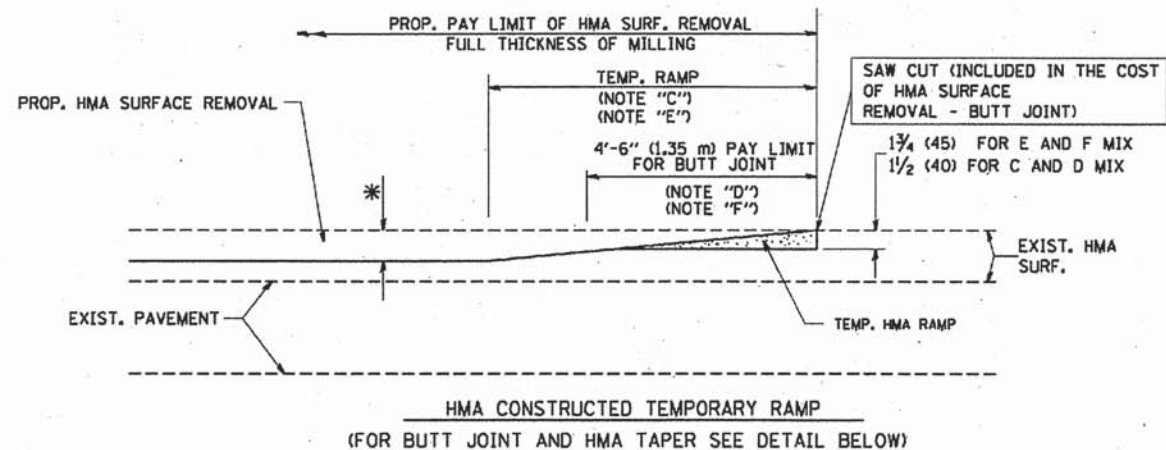
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	38
BD600-06 (BD-24)			CONTRACT NO. 61842	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



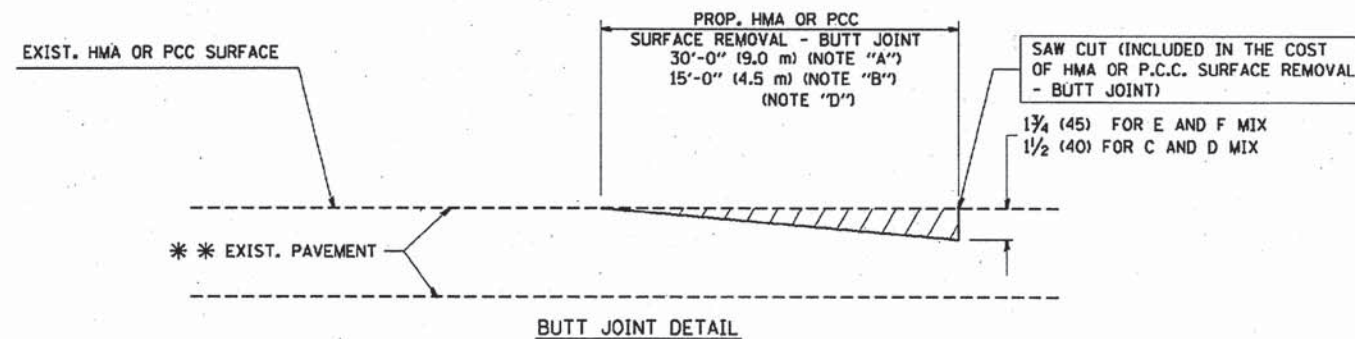


**OPTION 1**

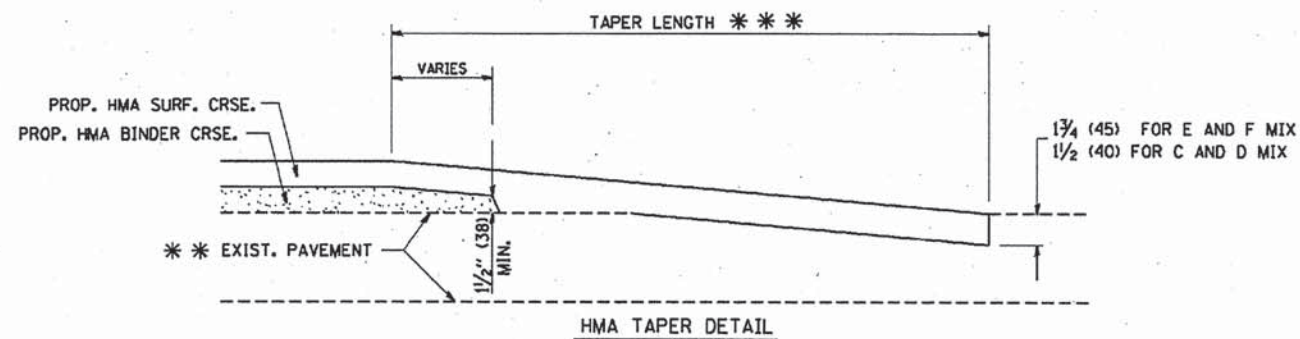


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

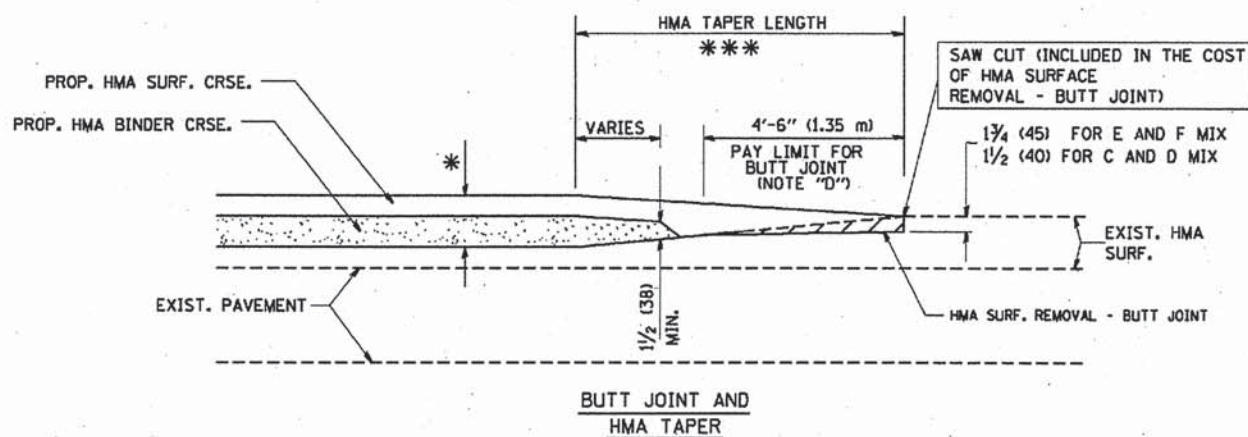
**NOTES**

- 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.



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

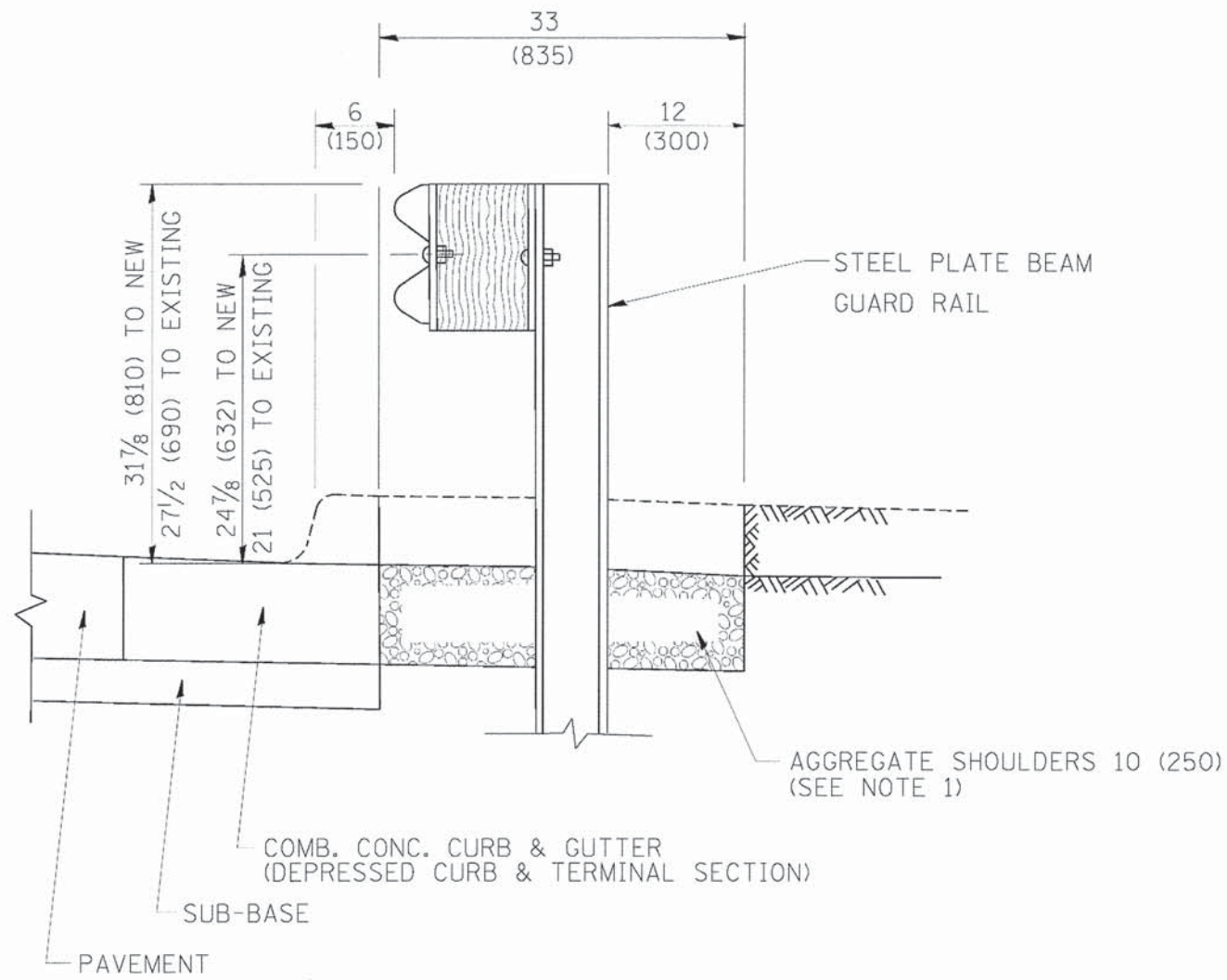
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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01
		REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

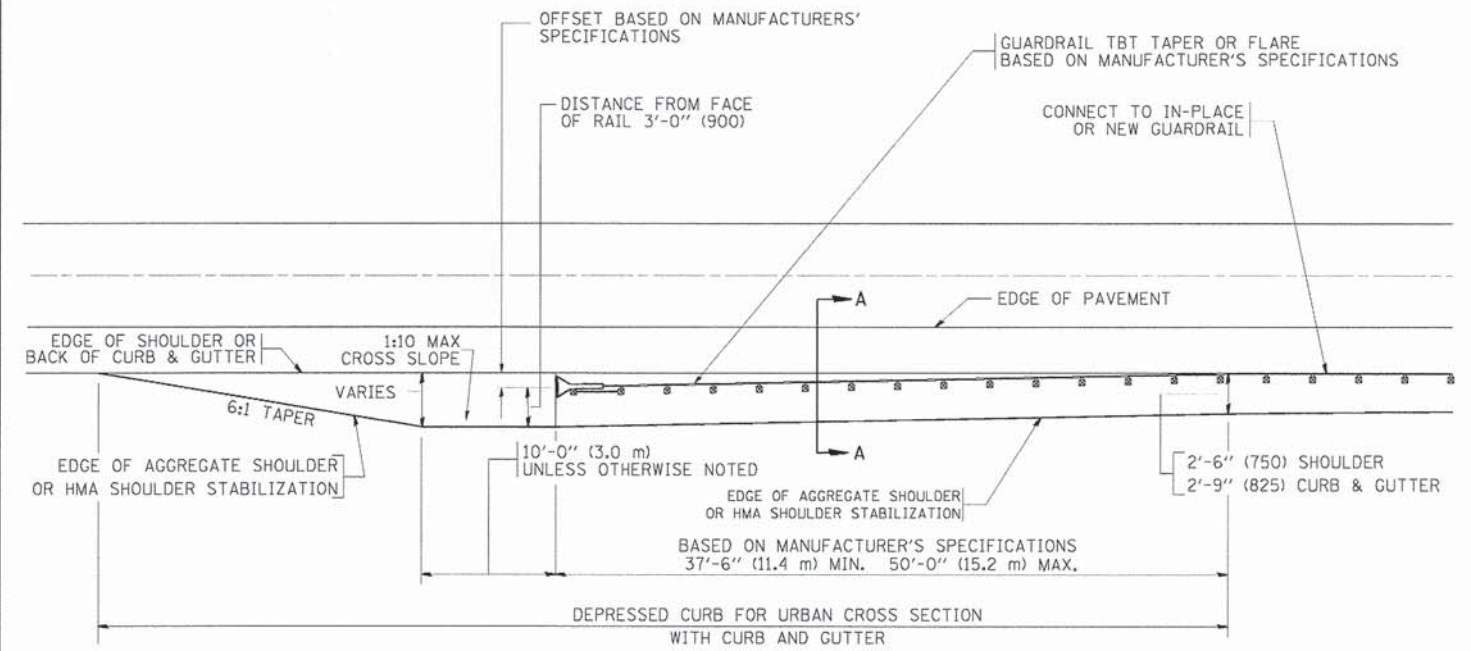
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	38A
BD400-05 BD32		CONTRACT NO. 61B42		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**SECTION A-A**

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
  2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
  3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM  
GUARD RAIL ADJACENT TO CURB AND GUTTER  
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND  
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL  
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

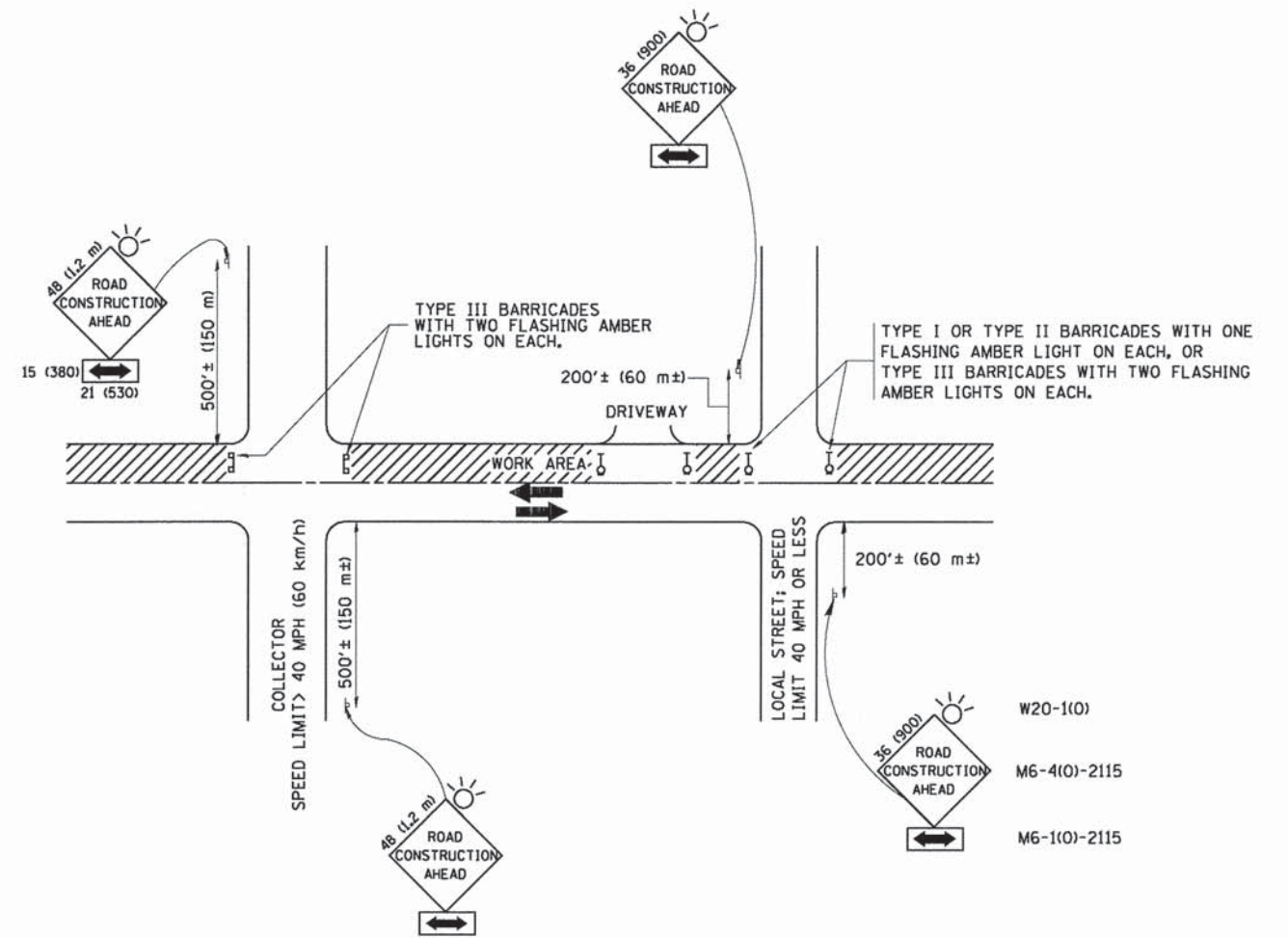
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	PLT SCALE = 1/8" = 1" / IN.	CHECKED -	REVISED - R. BORO 12-08-2008
	PLT DATE = 3/21/2009	DATE - 09-22-90	REVISED - R. BORO 09-14-2009

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND  
SHOULDER TREATMENT AT TBT TY 1 SPL.**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	39
BD600-10 (BD 34)			CONTRACT NO. 61842	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 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:
    - 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.
    - 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.
  - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - 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.
    - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

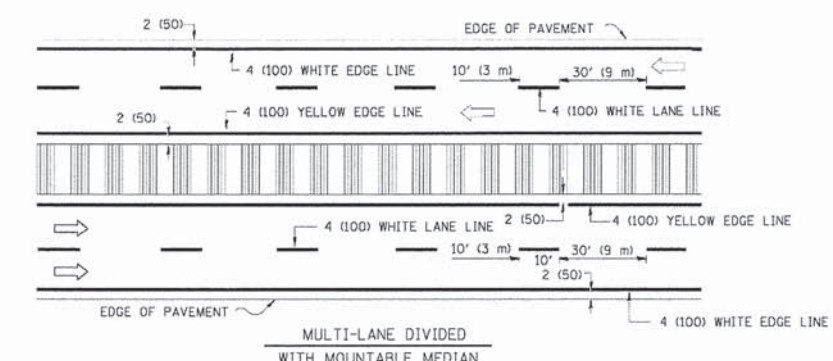
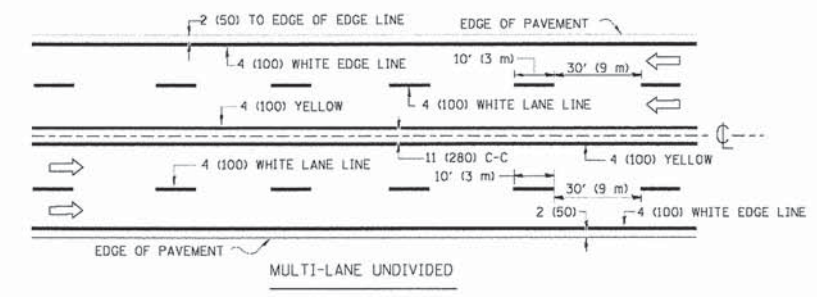
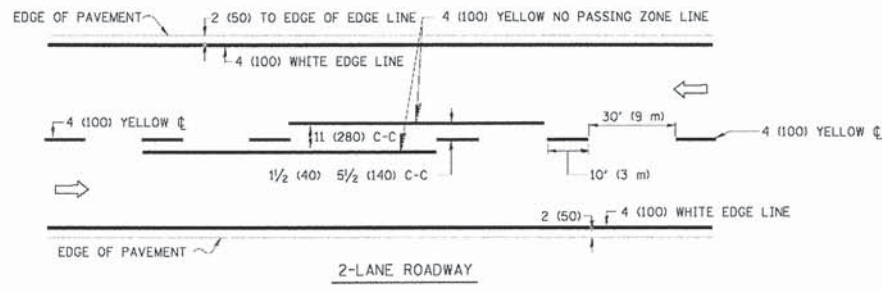
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2000	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

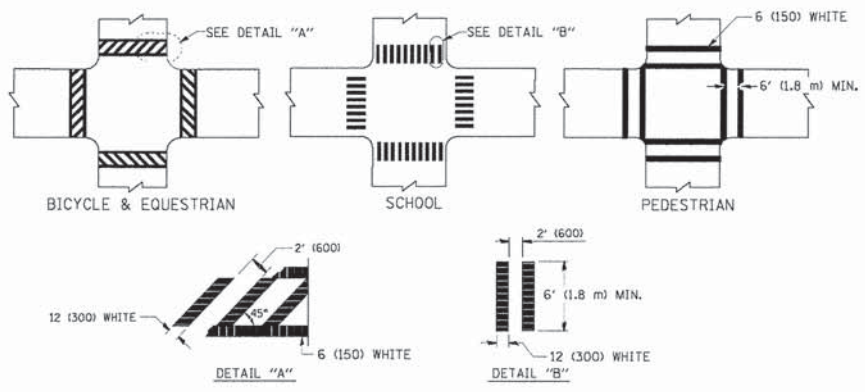
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61842	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

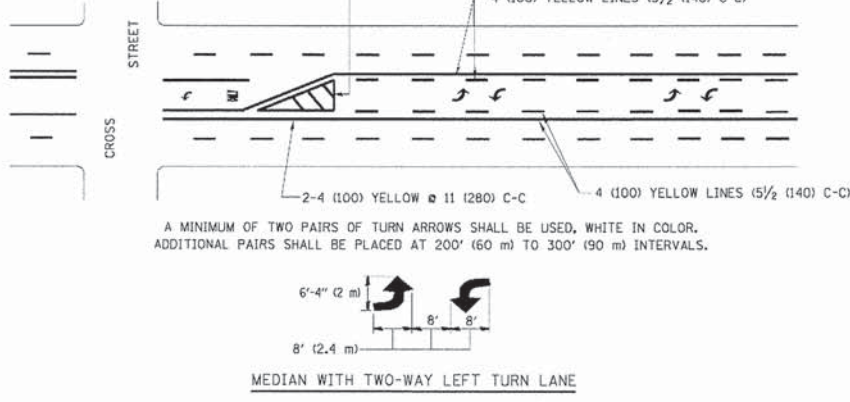
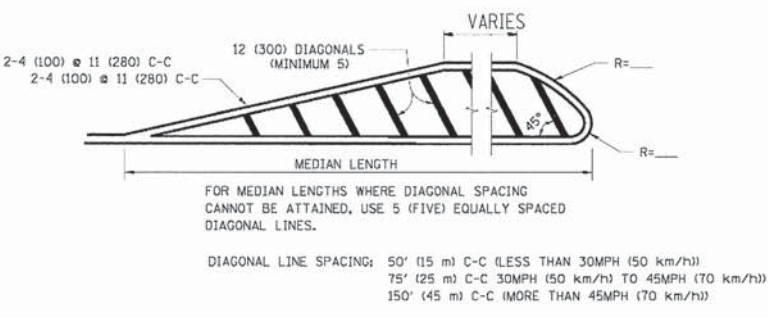
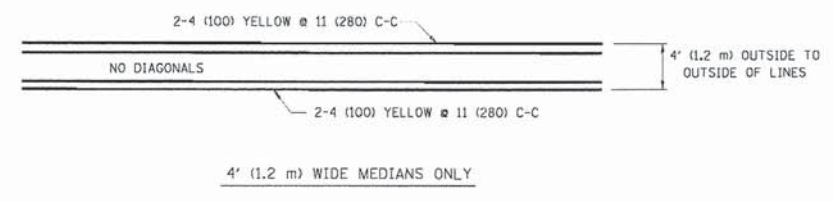


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

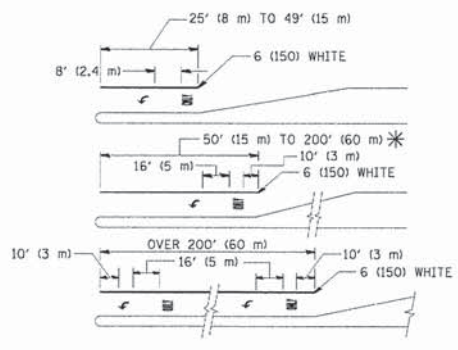
**TYPICAL LANE AND EDGE LINE MARKING**



**TYPICAL CROSSWALK MARKING**



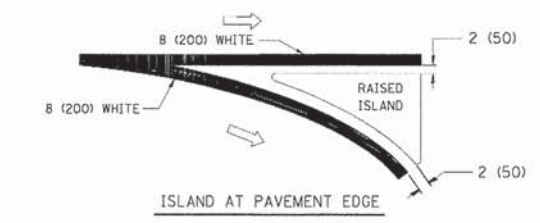
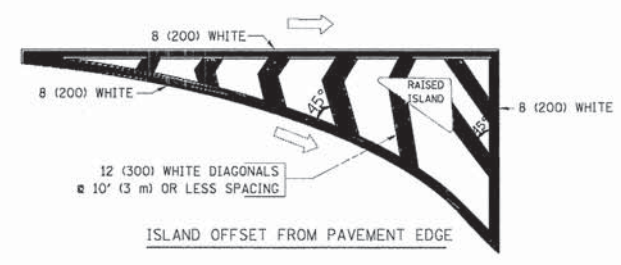
**TYPICAL PAINTED MEDIAN MARKING**



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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))

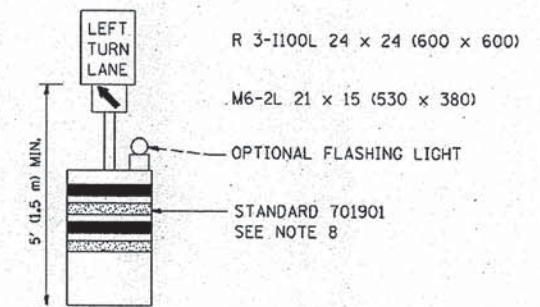
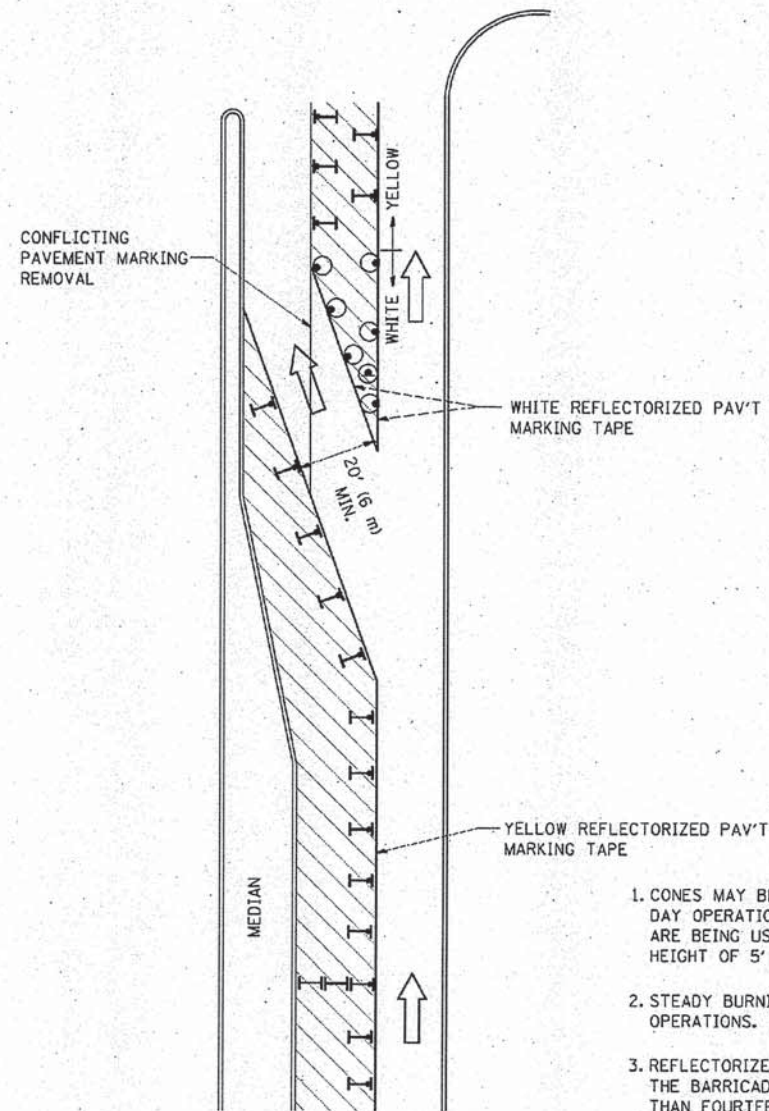
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME =	USER NAME = drivakoagn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
at:\p\work\p\drivakoagn\d2120315\co	3.dgn	DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 50.000 ' / IN	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		0559	14-00110-00-SW	COOK	60	41
SCALE: NONE		TC-13		CONTRACT NO. 61842		
SHEET NO. 1 OF 1 SHEETS		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		STA. TO STA.		









**GENERAL NOTES**

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

**LEGEND**

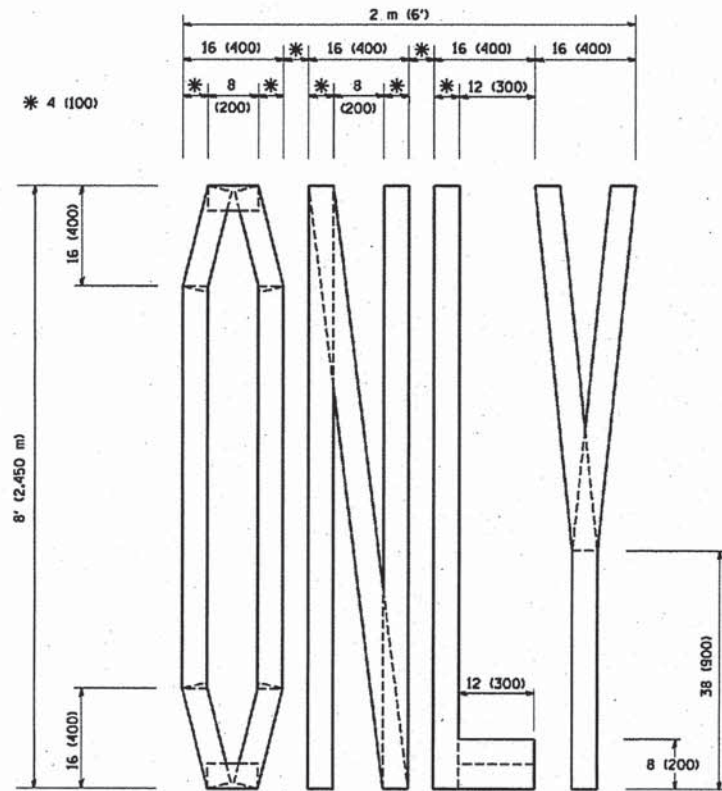
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

PROJECT NAME =	USCT NAME =	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
DATE =	DATE =	REVISED - A. HOUSEH 11-07-95	REVISED -
P_CCT SCALE = 49,9999' / IN.		REVISED - A. HOUSEH 10-12-96	REVISED -
P_CCT DATE = 7/14/2007		REVISED - T. RAMMACHER 01-06-00	REVISED -

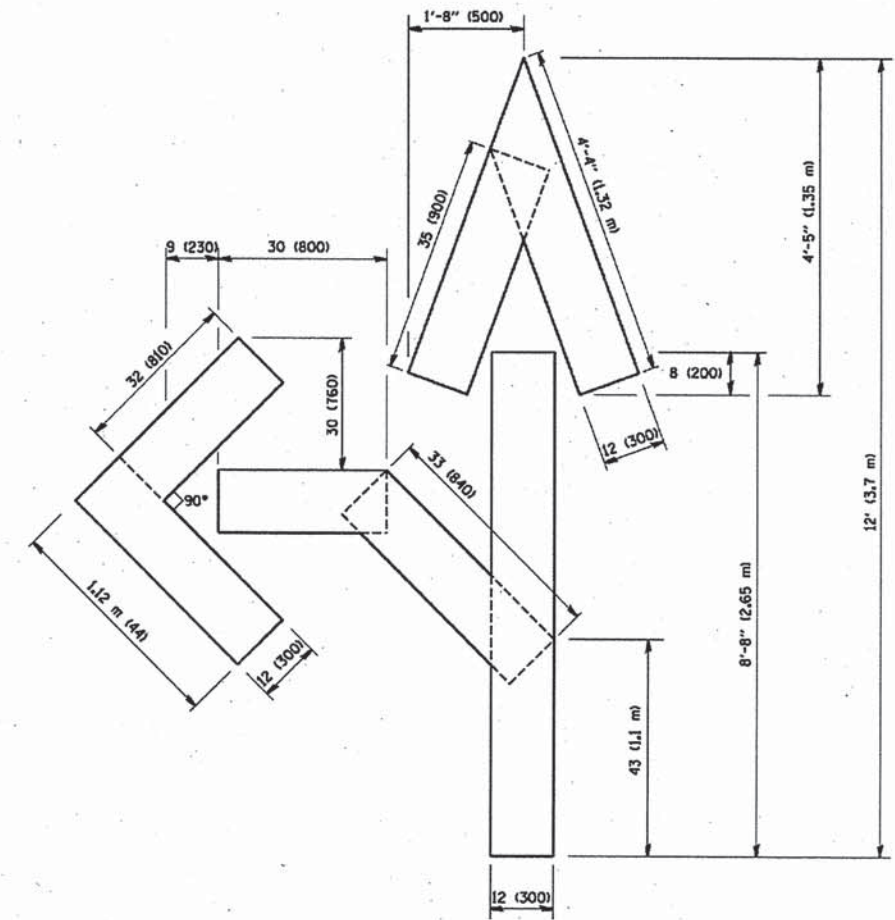
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

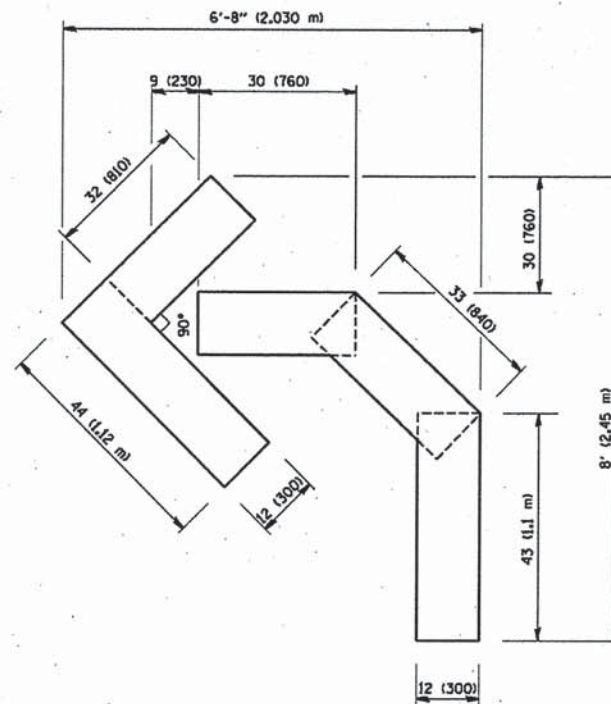
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
0559	14-00110-00-SW	COOK	60 41A
TC-14		CONTRACT NO. 61B42	
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			



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



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



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

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

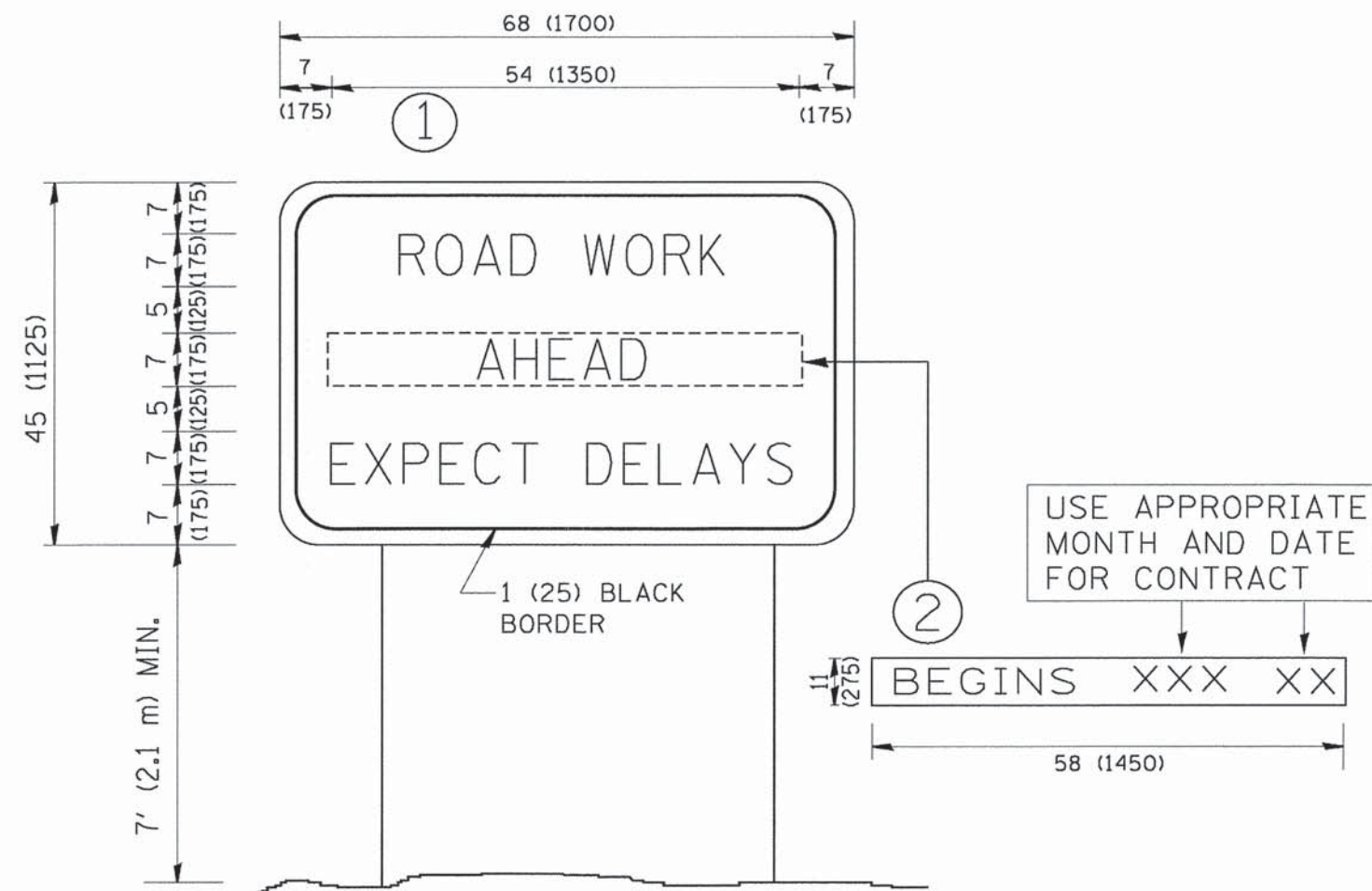
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	PLOT DATE = 1/4/2000	DATE = 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	41B
TC-16			CONTRACT NO. 61B42	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

FILE NAME = W:\diststd\22x34\to22.dgn	USER NAME = geglert	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
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	PLOT DATE = 1/4/2000	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

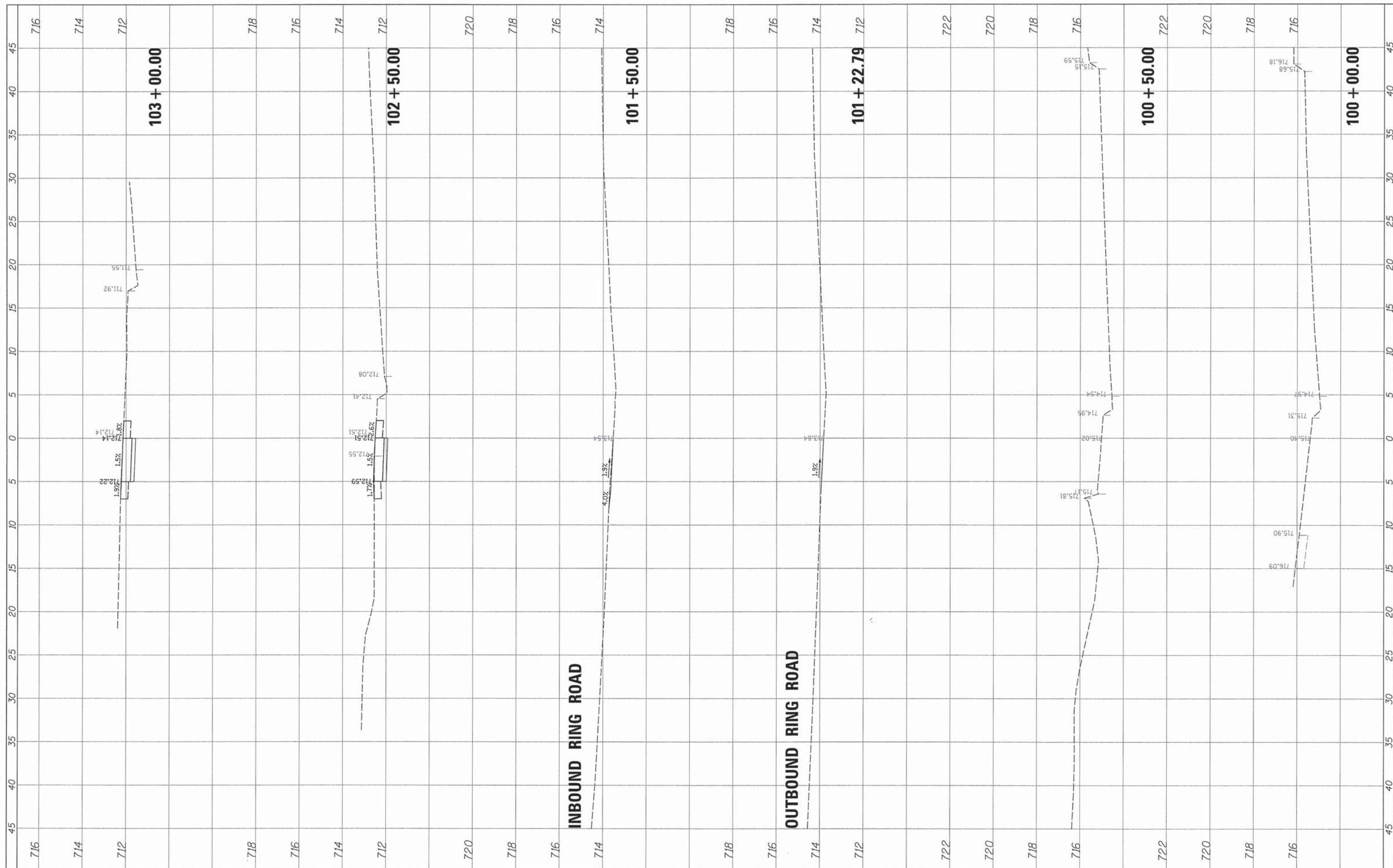
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0559	14-00110-00-SW	COOK	60	42
TC-22			CONTRACT NO. 61842	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





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

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



FILE NAME =	USER NAME = prozelan	DESIGNED -	REVISED -
N:\ROLLINGMEADOWS\98361BR16\Civil\XSC_98361BR16.SHT		DRAWN -	REVISED -
		CHECKED -	REVISED -
Default		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF	SHEETS	STA. 100+00.00	TO STA. 103+00.00
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CROSS SECTIONS

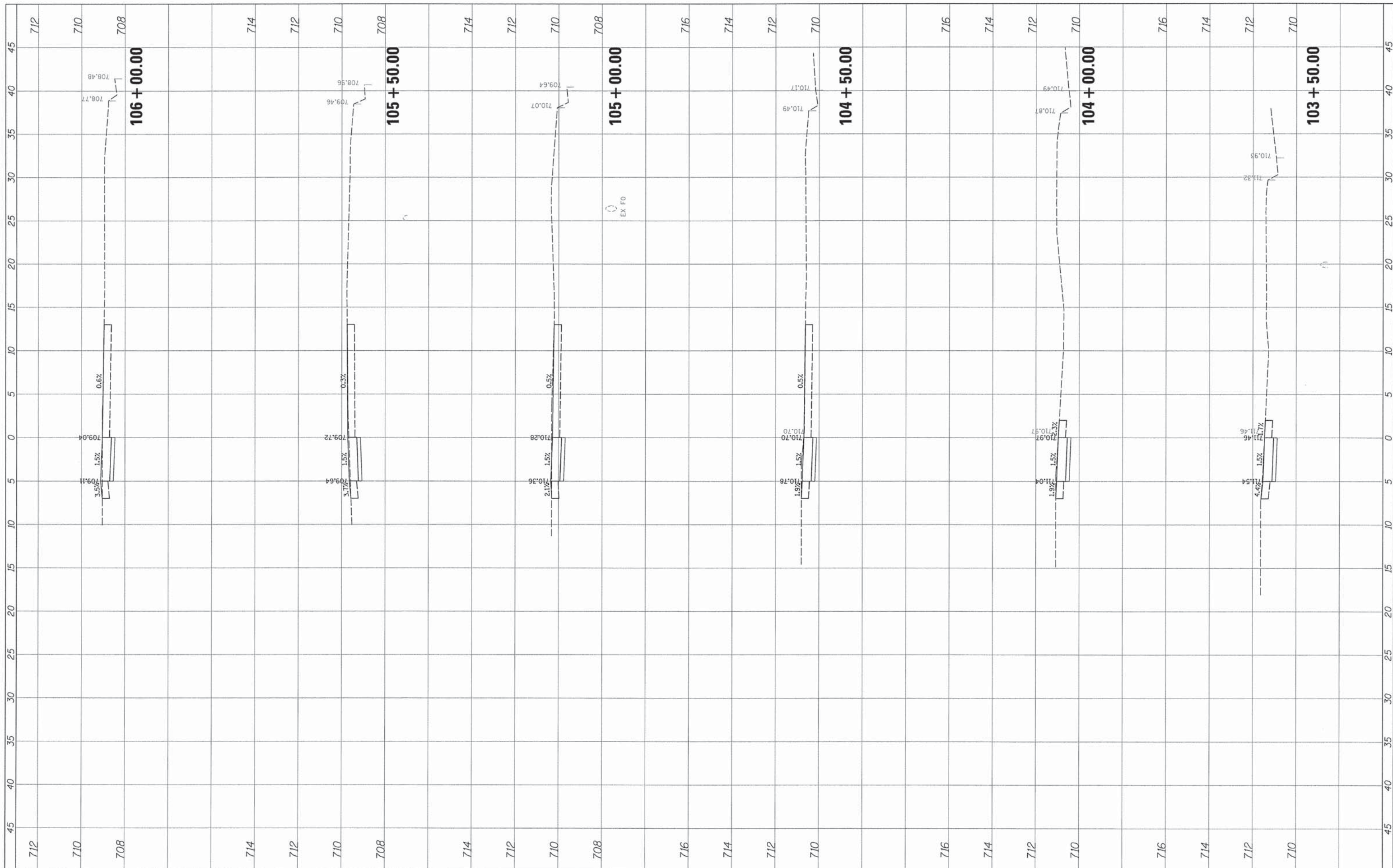
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	43
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

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

714

714



FILE NAME = N:\ROLLINGMEADOWS\98361BR16\XC.v1\XSC\_98361BR16.SHT  
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 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -  
 PLOT SCALE = 5"  
 PLOT DATE = 4/6/2015

REVISIONS  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

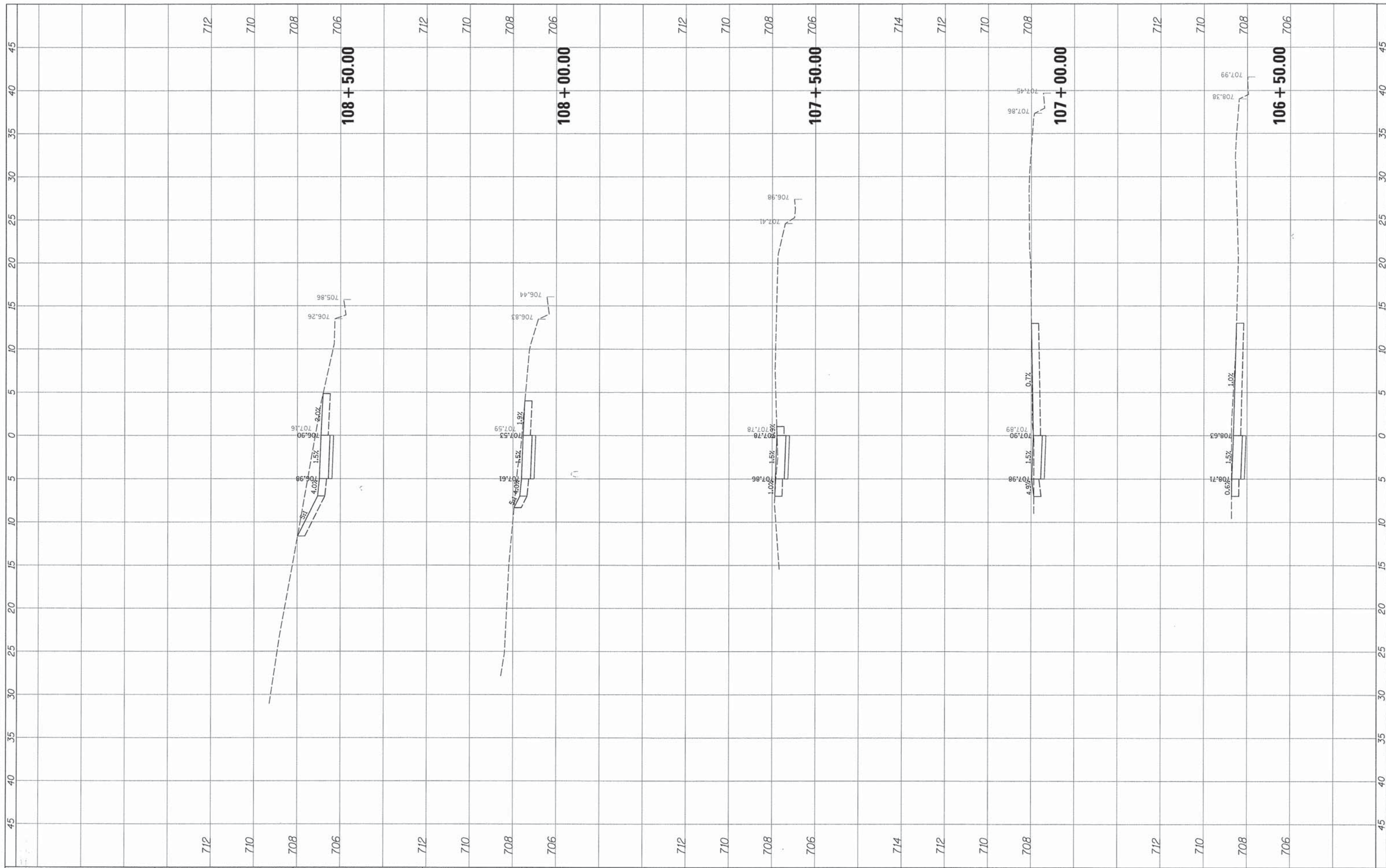
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 103+50.00 TO STA. 106+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	44
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



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 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -  
 PLOT SCALE = 5'  
 PLOT DATE = 4/6/2015

REVISIONS  
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 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

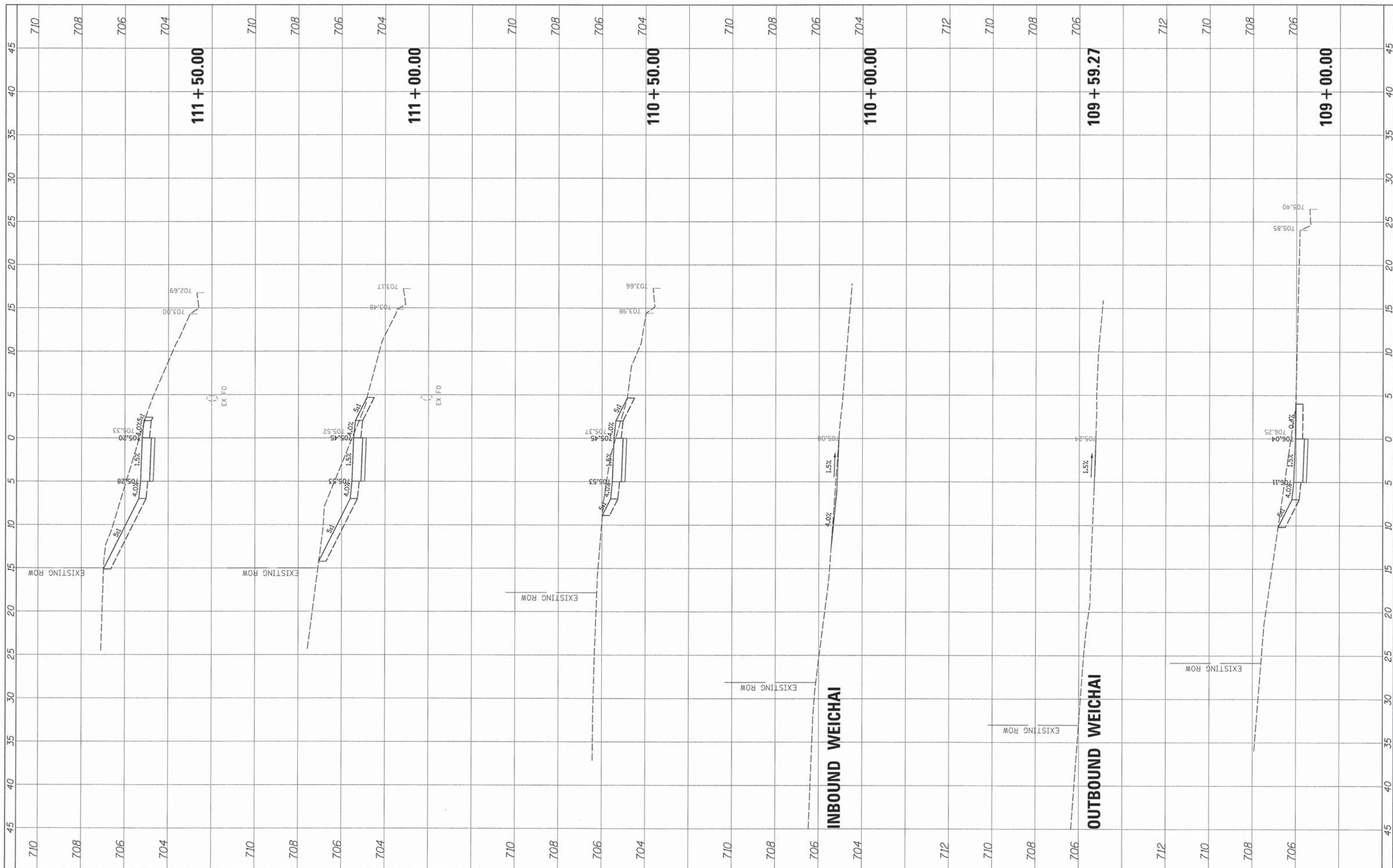
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 106+50.00 TO STA. 108+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	45
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

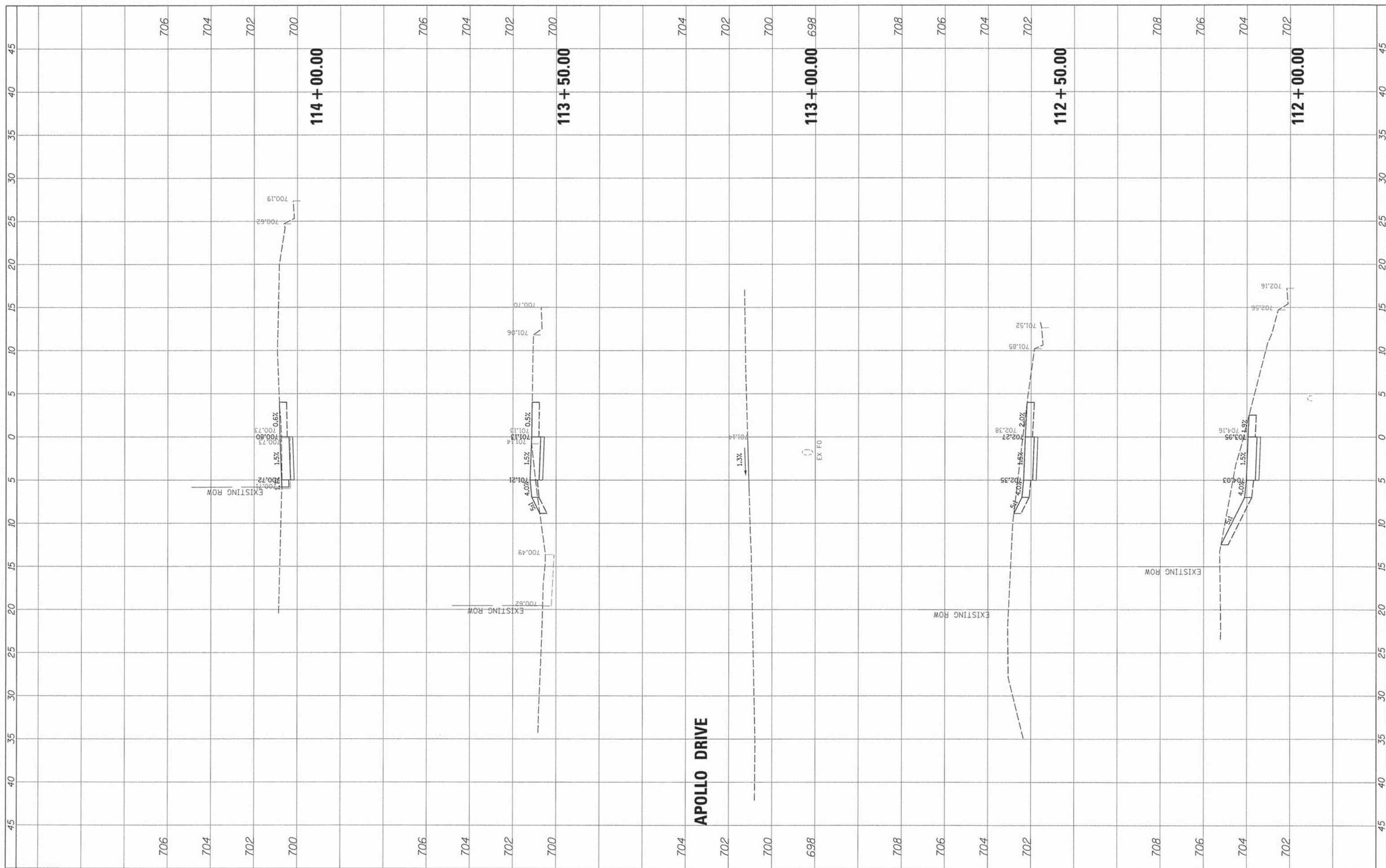
ORIGINAL SURVEY	SURVISED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME = N:\ROLLINGMEADOWS\98361BR16\XC_98361BR16.SHT	USER NAME = prazlan	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 5'	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 109+00.00	TO STA. 111+50.00	COOK	60	46
	PLOT DATE = 4/6/2015	CHECKED -	REVISED -										
		DATE -	REVISED -										
ILLINOIS FED. AID PROJECT											CONTRACT NO. 61B42		

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

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



FILE NAME =  
 H:\ROLLINGHEAD\98361BR16\XSC\_98361BR16.SHT

USER NAME = prazlan  
 PLOT SCALE = 5"  
 PLOT DATE = 4/6/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

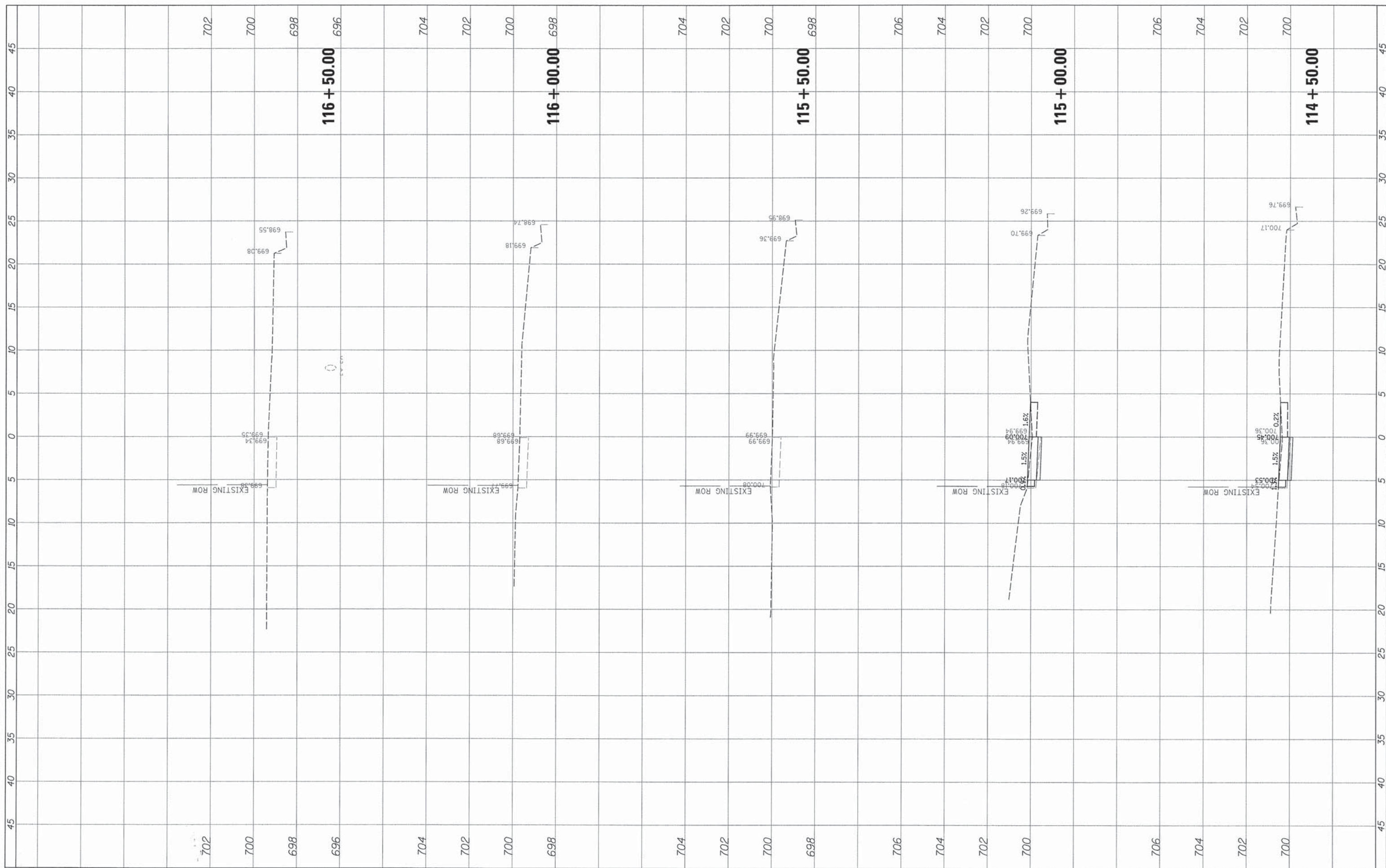
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 112+00.00 TO STA. 114+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	47
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME = N:\ROLLINGMEAD04\5\98361BR160\Civil\XSC\_98361BR160.SHT  
 USER NAME = prazolan  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
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REVISIONS:  
 REVISED -  
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

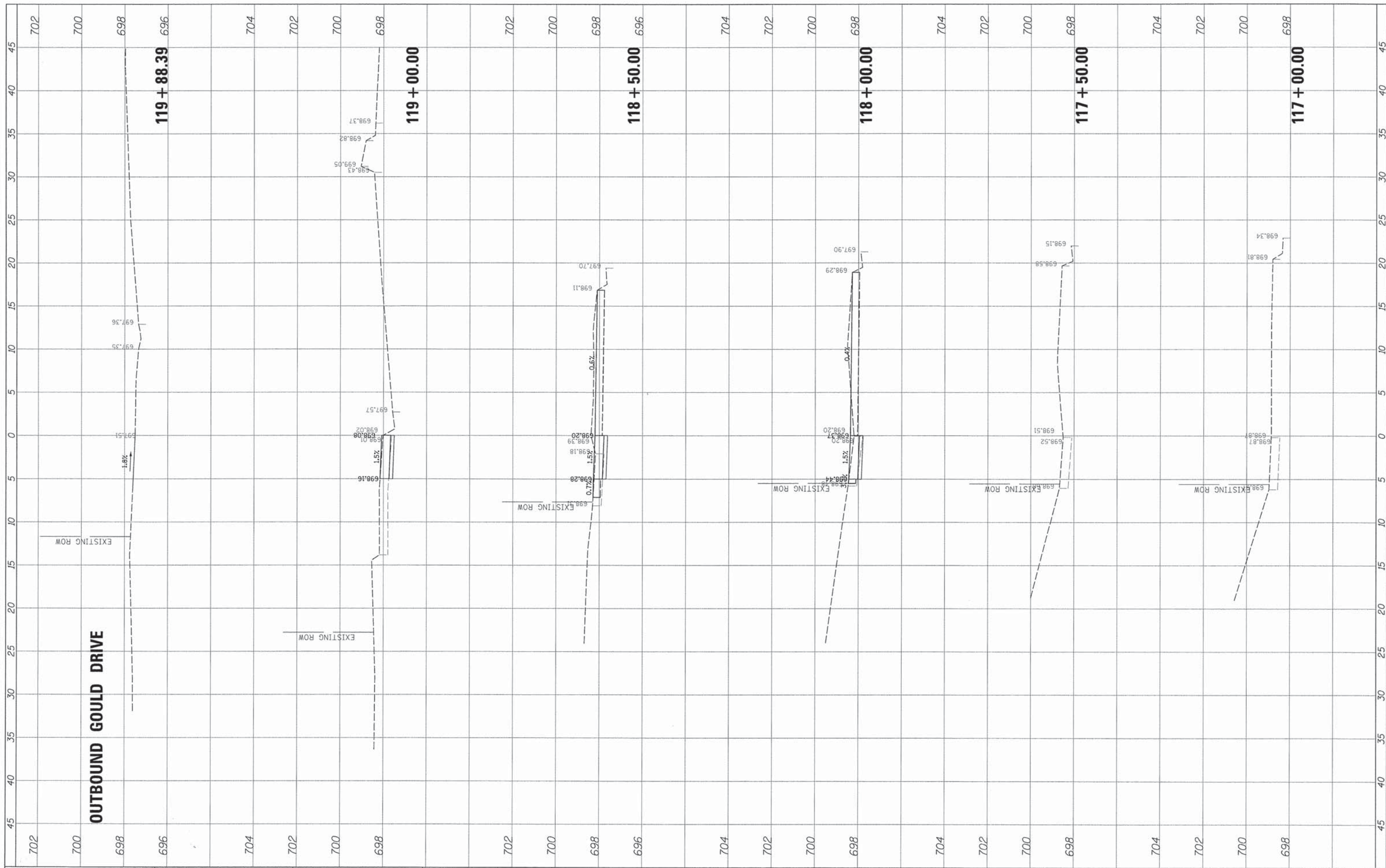
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 114+50.00 TO STA. 116+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	48
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME = N:\ROLLINGMEADOWS\98361BR16\XC\1\XSC\_98361BR16.SHT  
 USER NAME = prozolan  
 USER NAME = prozolan  
 PLT SCALE = 5"  
 PLT DATE = 4/6/2015

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

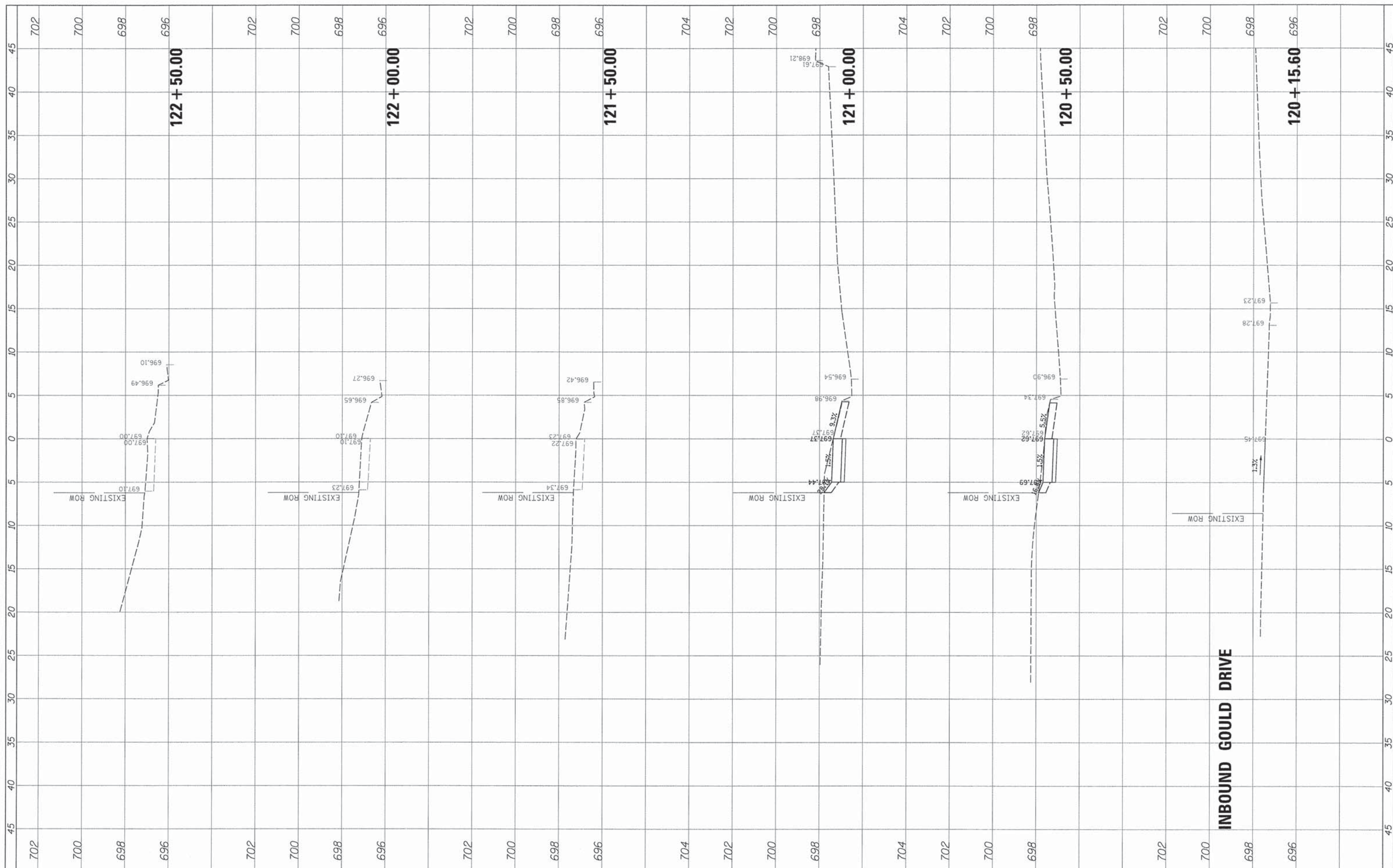
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 117+00.00 TO STA. 119+88.39

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	49
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



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 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISIONS  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

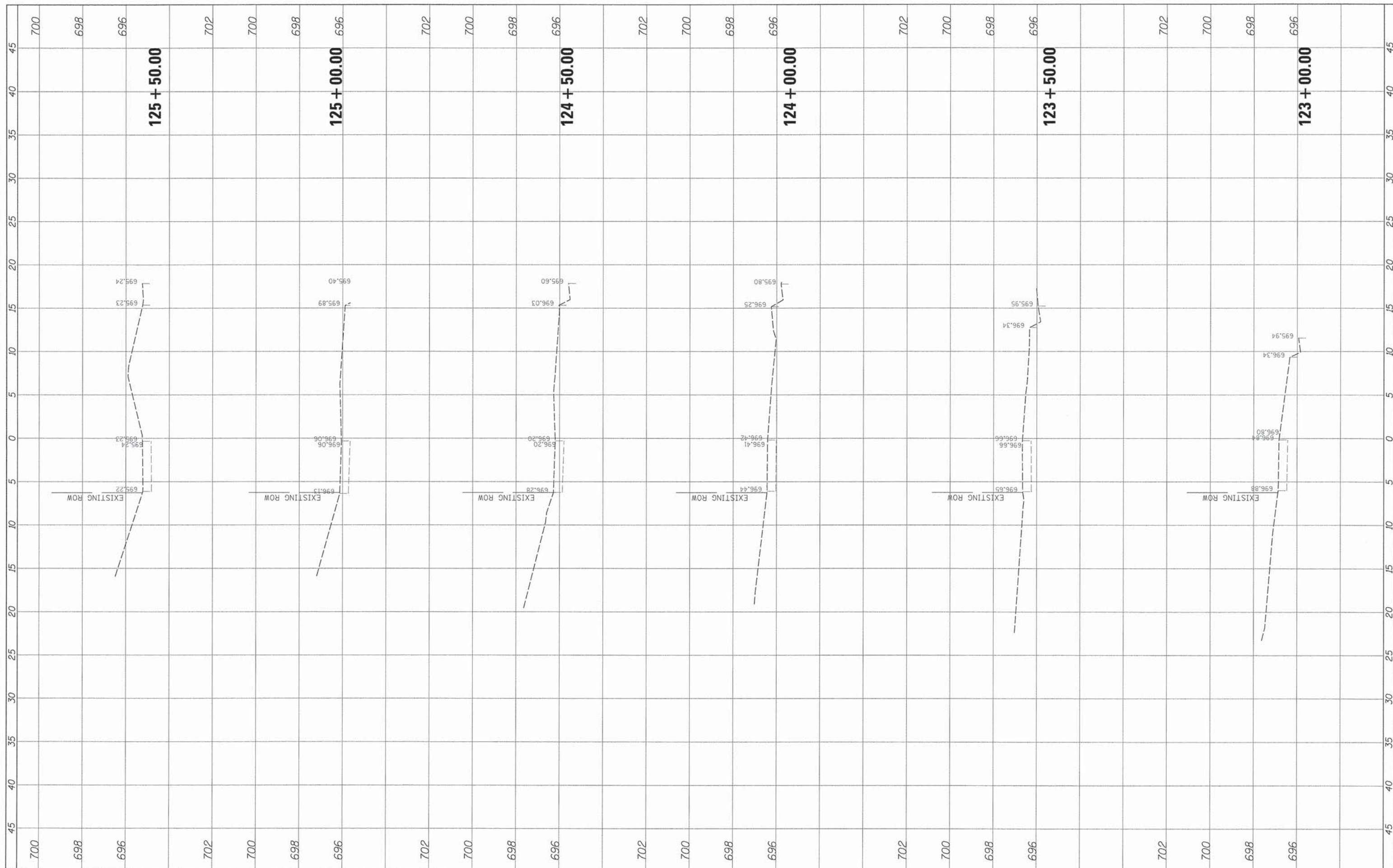
**CROSS SECTIONS**  
 SCALE: SHEET OF SHEETS STA. 120+15.60 TO STA. 122+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	50
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				



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

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



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 PLOT SCALE = 5'  
 PLOT DATE = 4/6/2015

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

REVISIED -
REVISIED -
REVISIED -
REVISIED -

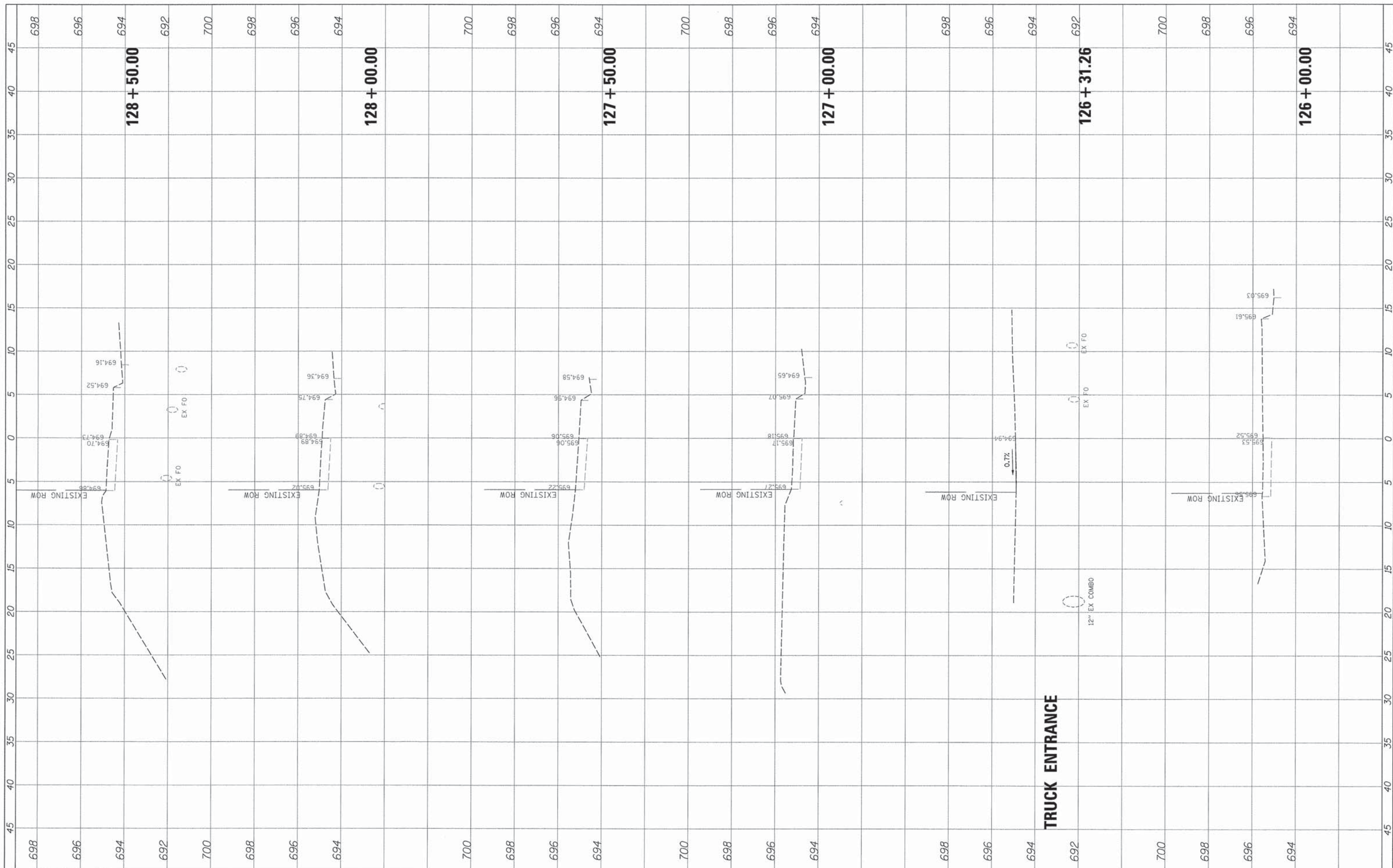
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
 SCALE: SHEET OF SHEETS STA. 123+00.00 TO STA. 125+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	51
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

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



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 PLOT SCALE = 5"  
 PLOT DATE = 4/6/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

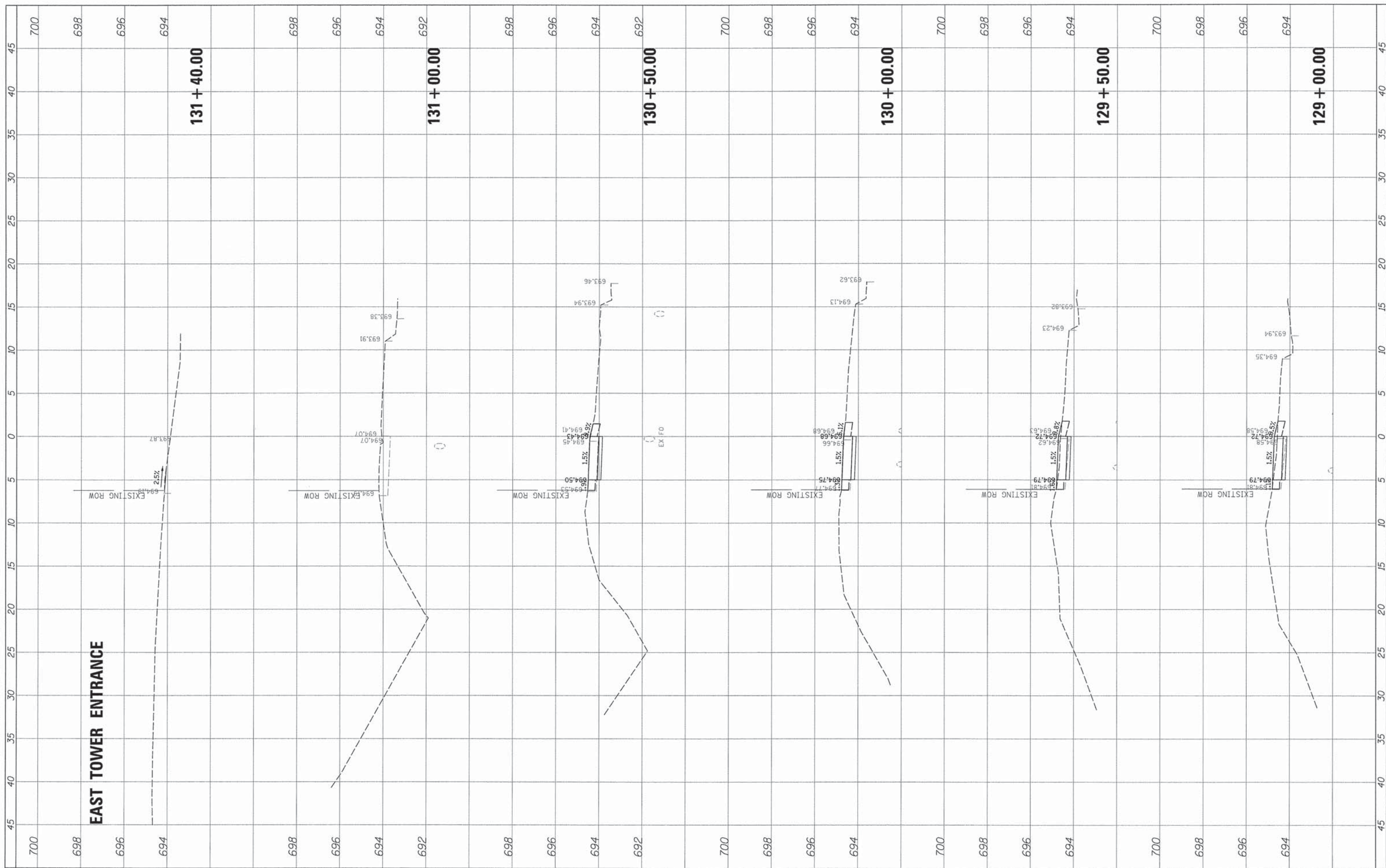
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 126+00.00 TO STA. 128+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	52
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =  
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 USER NAME = prozolan  
 PLOT SCALE = 5"  
 PLOT DATE = 4/6/2015

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

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

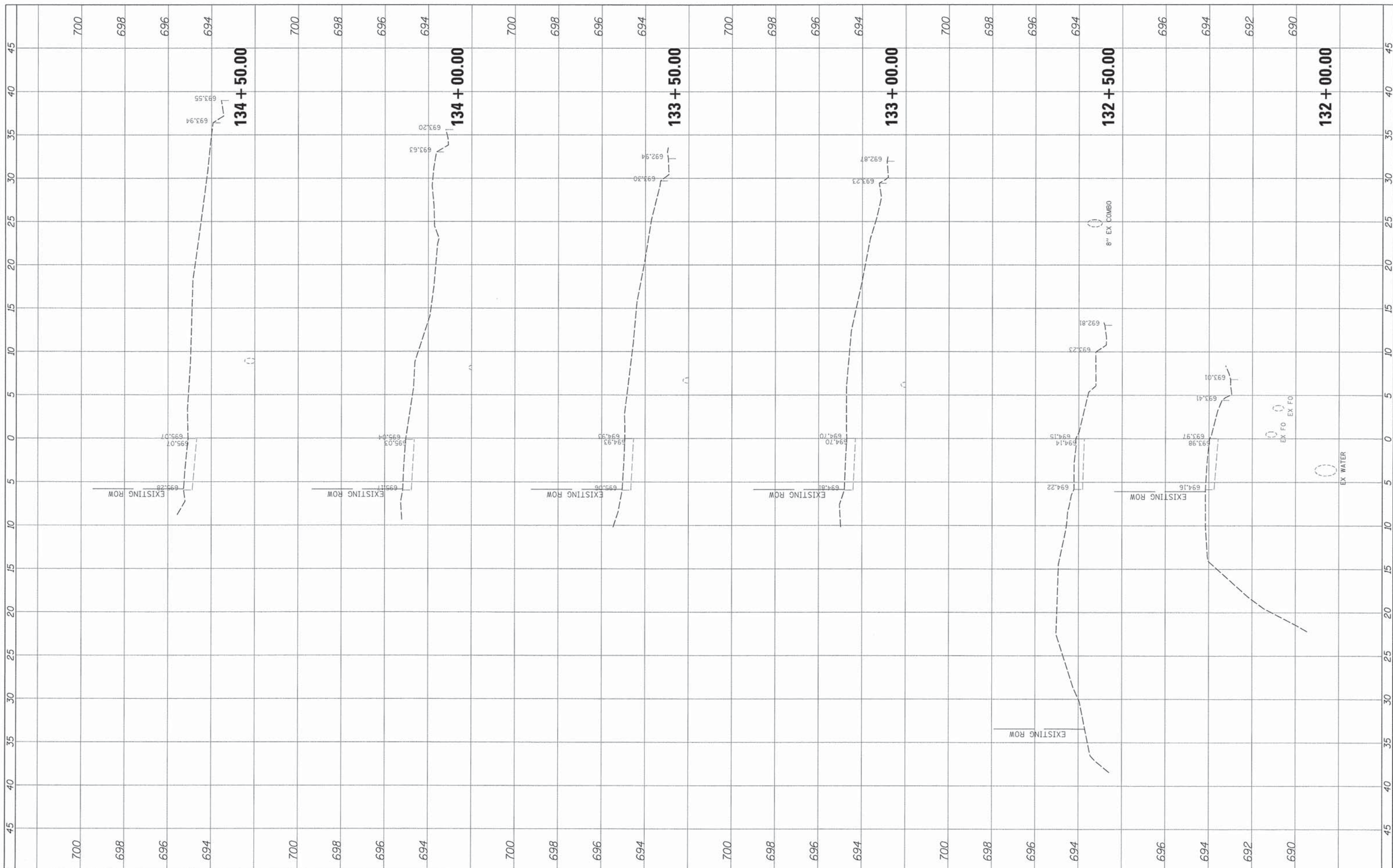
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 129+00.00 TO STA. 131+40.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	53
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

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



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 PLOT SCALE = 5'  
 PLOT DATE = 4/6/2015

DESIGNED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

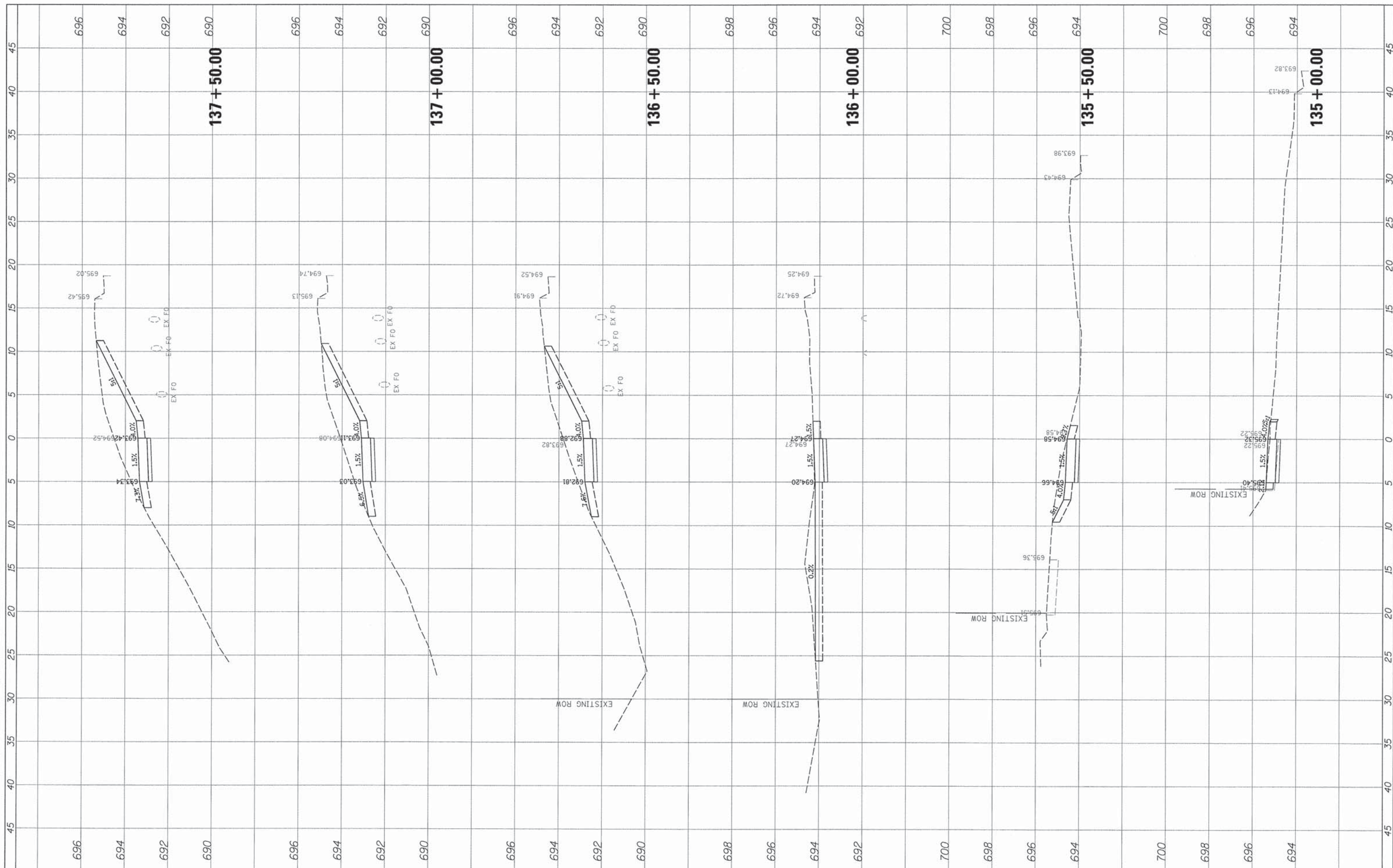
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 132+00.00 TO STA. 134+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	54
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = N:\ROLLINGMEADOWS\98361BR160\XC\98361BR160.SHT  
 USER NAME = prazolan  
 PLOT SCALE = 5"  
 PLOT DATE = 4/6/2015

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 135+00.00 TO STA. 137+50.00

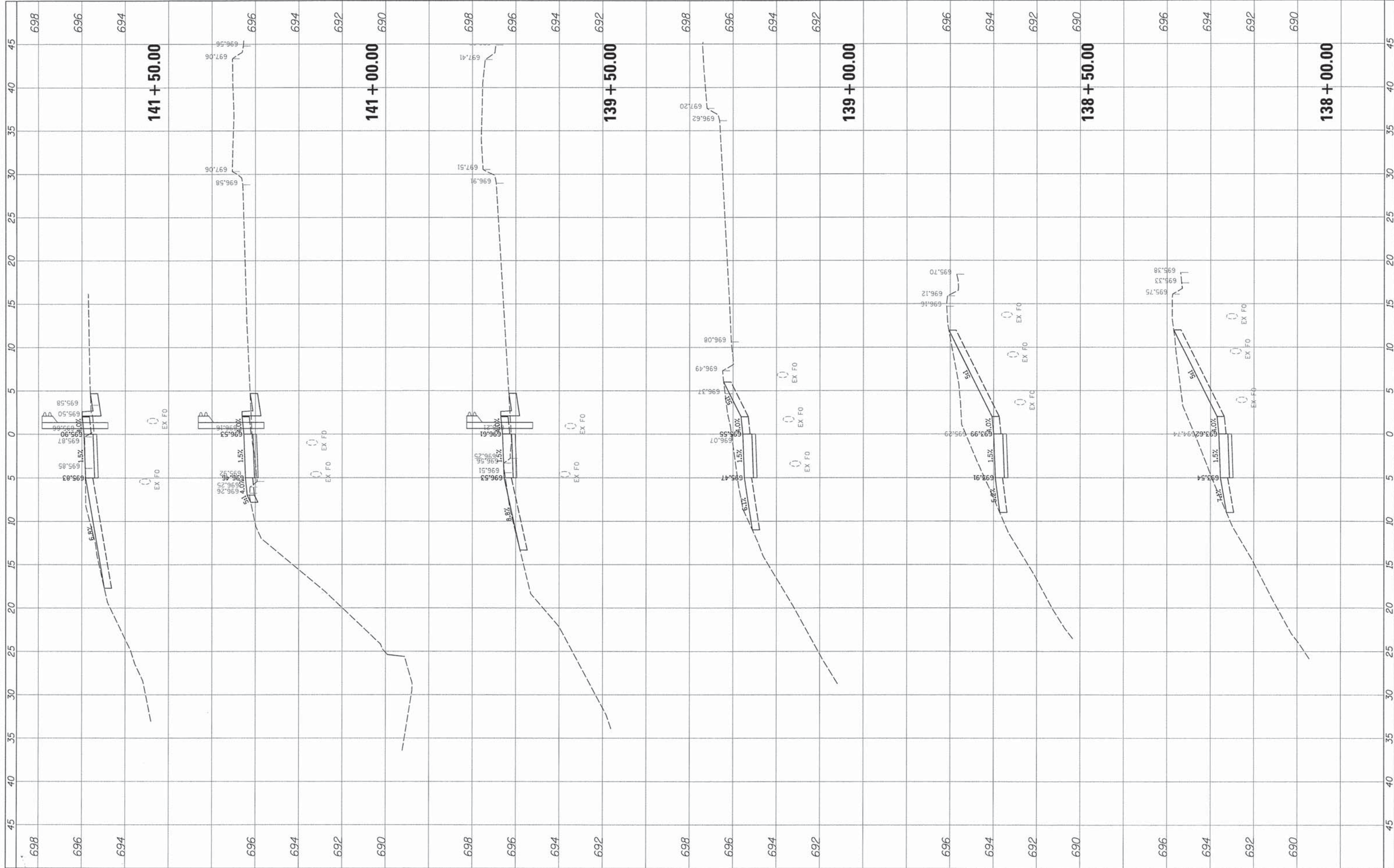
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	55
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

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

700

700



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 PLOT DATE = 4/6/2015

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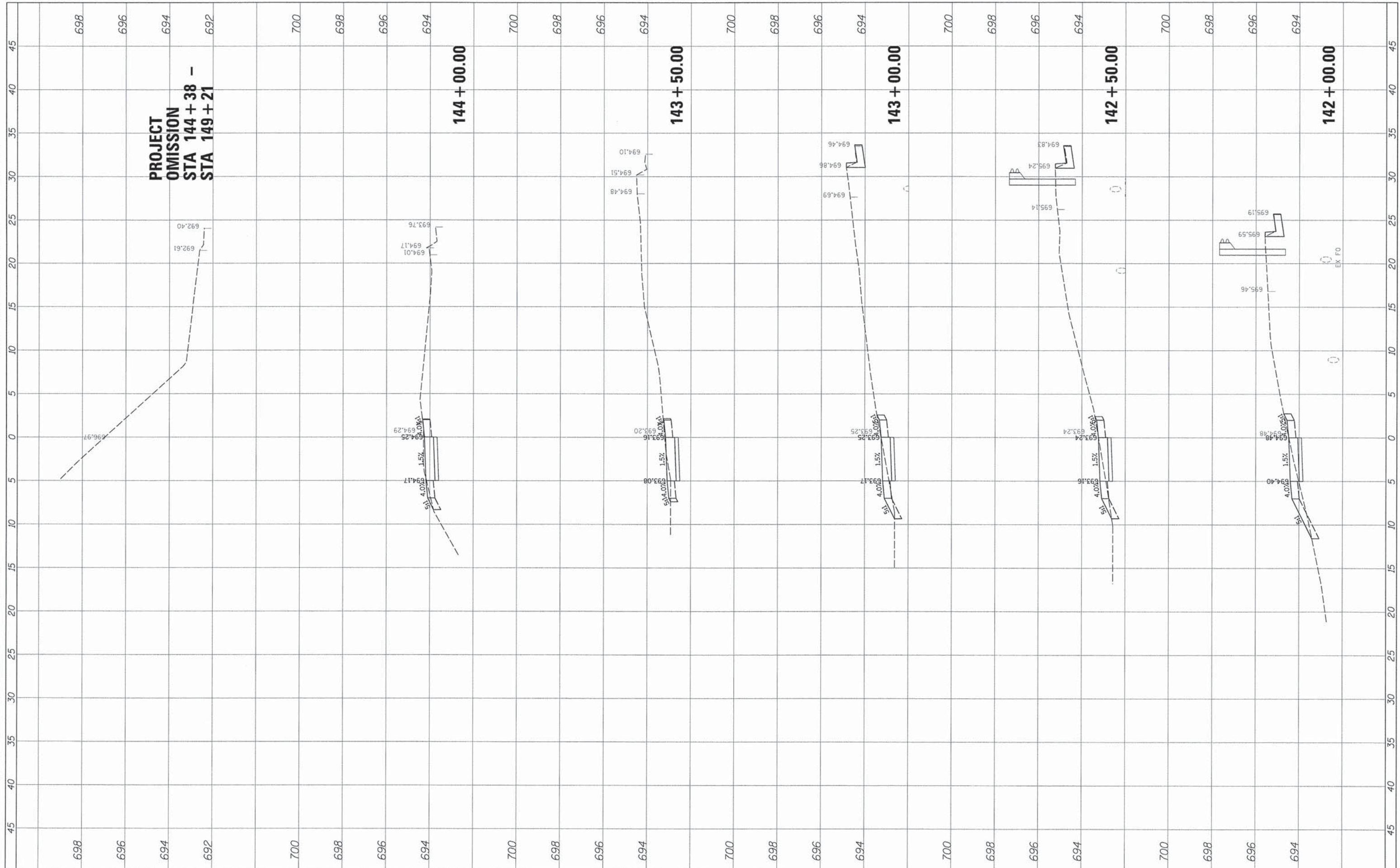
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
 SCALE: SHEET OF SHEETS STA. 138+00.00 TO STA. 141+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	56
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME : N:\ROLLINGMEADOWS\98361BR160\XCivil\XSC\_98361BR160.SHT

USER NAME = prazolan  
PLOT SCALE = 5"  
PLOT DATE = 4/6/2015

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

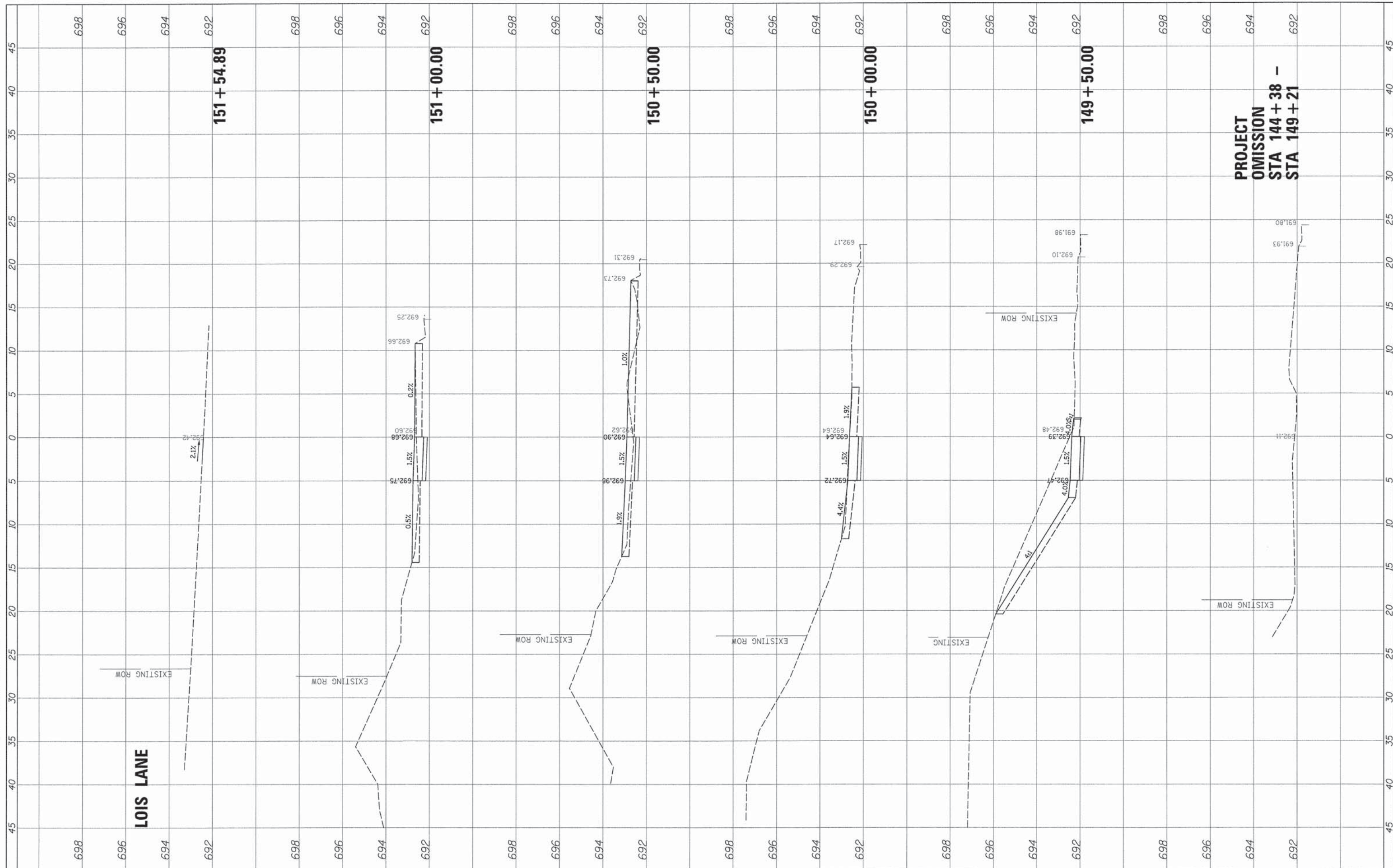
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 142+00.00 TO STA. 145+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	57
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

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



**PROJECT OMISSION**  
**STA 144+38 -**  
**STA 149+21**

FILE NAME = N:\ROLLINGHEADS\98361BR16\XSC\_98361BR16.SHT  
 USER NAME = prozelan  
 PLOT SCALE = 5'  
 PLOT DATE = 4/6/2015

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

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

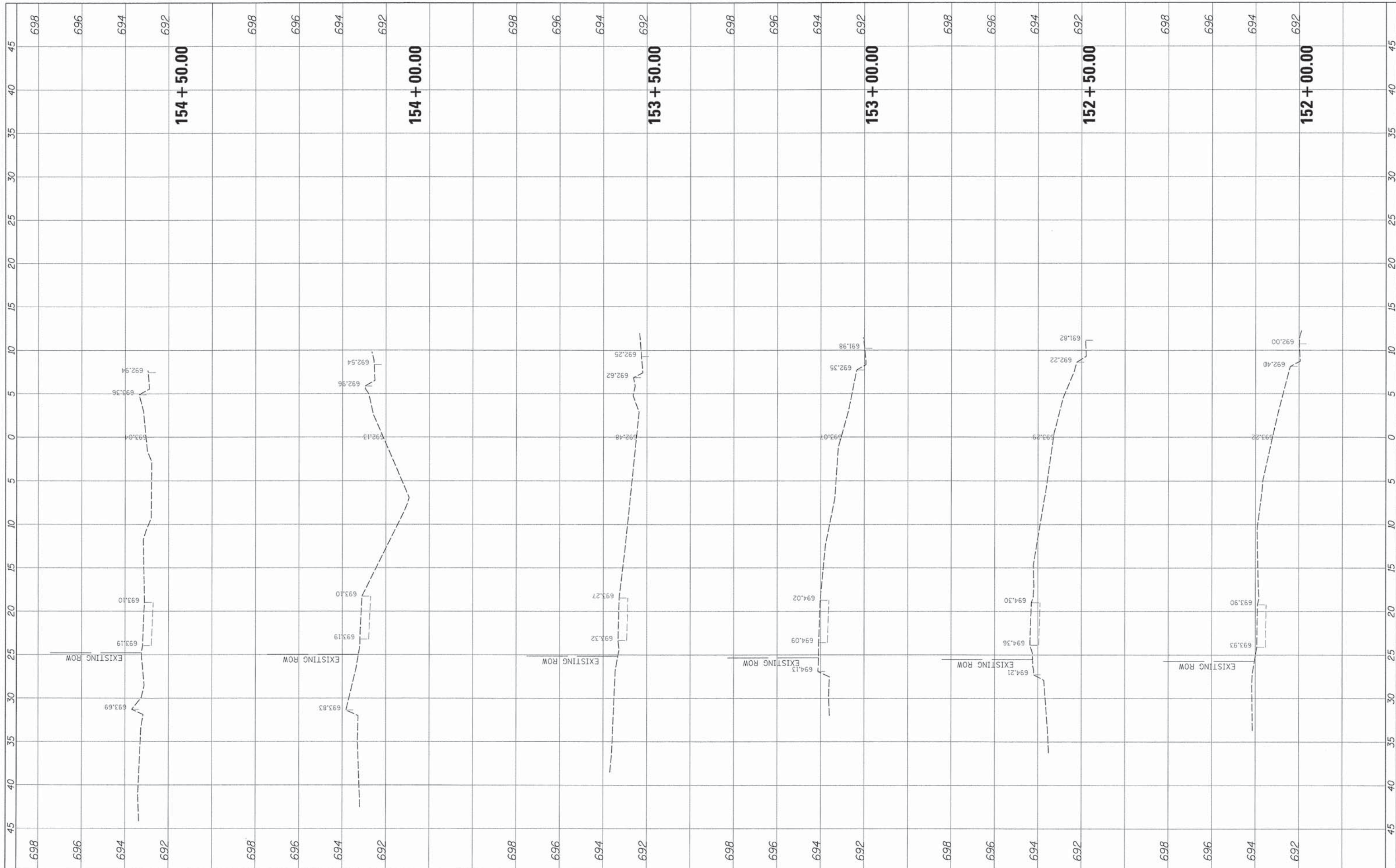
SCALE: SHEET OF SHEETS STA. 149+00.00 TO STA. 151+54.89

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	58
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				



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

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



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 USER NAME = prazolan  
 DESIGNER =  
 DRAWN =  
 CHECKED =  
 DATE = 4/6/2015  
 PLOT SCALE = 5'

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

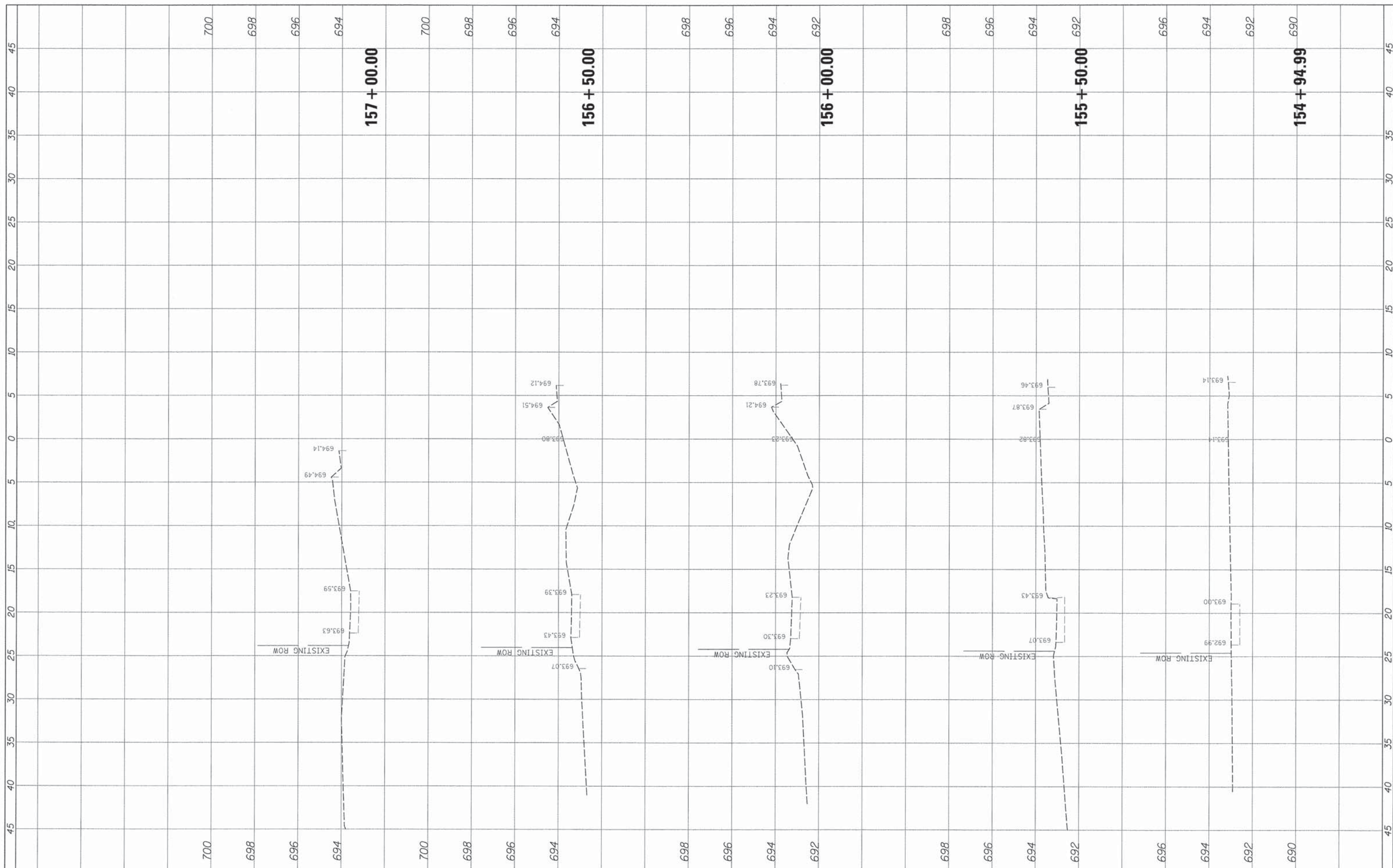
**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 152+00.00 TO STA. 154+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	59
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME = N:\ROLLINGMEADOWS\98361BR160\Civil\XSC\_98361BR160.SHT  
 USER NAME = prazolan  
 PLOT SCALE = 5"  
 PLOT DATE = 4/6/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 154+94.99 TO STA. 157+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COOK	60	60
CONTRACT NO. 61B42				
ILLINOIS FED. AID PROJECT				