

FOR INDEX OF SHEETS, SEE SHEET NO. 2

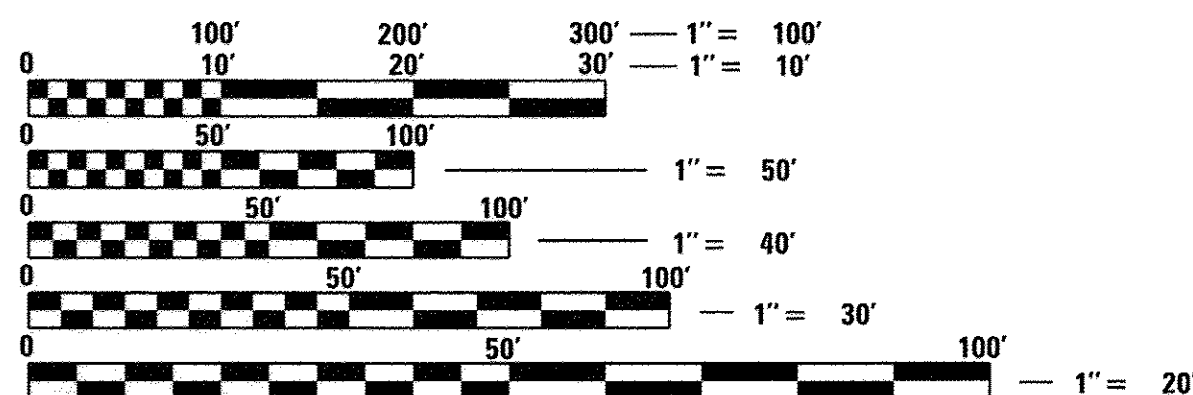
PROJECT LOCATED IN THE VILLAGE OF RIVERDALE

DESIGN SPEED
20 MPH

CLASSIFICATION
BIKE TRAIL

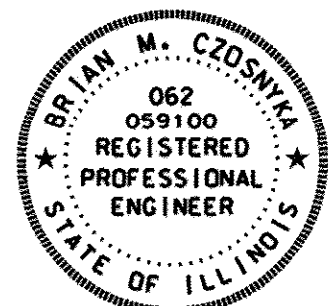
DESIGN DESIGNATION
BIKE PATH

POSTED SPEED LIMIT
BIKE PATH 20 M.P.H.



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



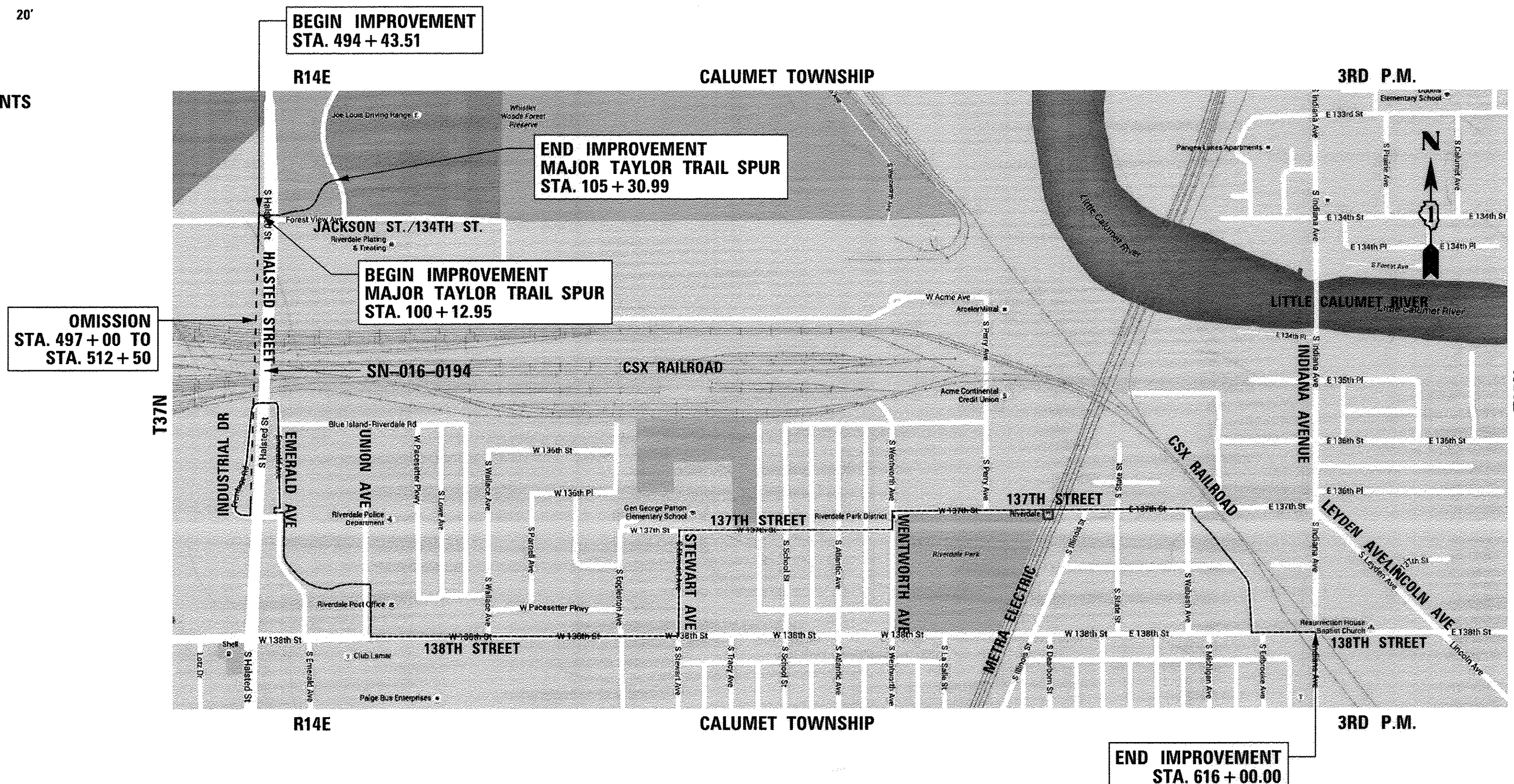
BMC 6.7.2016
BRIAN M. CZORNYKA, P.E.
EXPIRES: NOVEMBER 30, 2017

CONTRACT NO. 61C73

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

**CAL-SAG GREENWAY TRAIL
RIVERDALE SEGMENT
HALSTED STREET AND 134TH STREET TO INDIANA AVENUE**
**SECTION NO. 15-00131-00-BT
PROJECT NO. TE-01D1-(026)
VILLAGE OF RIVERDALE
COOK COUNTY
JOB NO: C-91-097-16**



LOCATION MAP
(NOT TO SCALE)

GROSS AND NET LENGTH OF PROJECT = 11,124.53 FT = 2.11 MI

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 61C73		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved June 4, 2016
James Paul
VILLAGE OF RIVERDALE

Approved June 3, 2016
Oliver Slattery
FOREST PRESERVE DISTRICT OF COOK COUNTY

Passed June 28, 2016
CTH/ed
DISTRICT #1 ENGINEER OF LOCAL ROADS AND STREETS

Releasing for Bid Based on Limited Review June 28, 2016
John Erdman
DEPUTY DIRECTOR OF HIGHWAYS, REGION #1 ENGINEER

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

PLANS PREPARED BY:

AECOM 303 East Wacker Drive
Suite 1400, Chicago, IL 60601
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PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E., 847-705-4406, SCHAUMBURG, IL

GENERAL CONSTRUCTION NOTES

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, GENERAL CONSTRUCTION NOTES & STATE STANDARDS
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- 44-50 CROSS SECTIONS - MAINLINE RIVERDALE
- 51 CROSS SECTIONS - MAJOR TAYLOR SPUR

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITY FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).

ALL STATION-OFFSET CALL OUTS AND CURVE DATA ON THE PLANS REFER TO THE PROPOSED CENTERLINE UNLESS OTHERWISE SHOWN.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS.

ANY WORK ON HOLIDAYS AND WEEKENDS WILL NEED PRIOR APPROVAL FROM THE DISTRICT.

SPECIFICATIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", 2014, 7TH EDITION, THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", LATEST EDITION, THE DETAILS INCLUDED IN THE PLANS, AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

STANDARDS

ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF IDOT AS LISTED ON THIS SHEET.

COORDINATION

THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF RIVERDALE AND THE FOREST PRESERVE DISTRICT OF COOK COUNTY AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK, AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. THE CONTRACTOR SHALL ALSO OBTAIN ANY AND ALL NECESSARY PERMITS REQUIRED BEFORE THE START OF ANY CONSTRUCTION.

PUBLIC OR PRIVATE UTILITIES

THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE, AND THE DEPARTMENT AND DISTRICT DO NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF SUCH UTILITIES AND EXERCISE CARE DURING CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM, IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS". THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY OWNERS SO THAT THEIR FACILITIES MAY BE ADJUSTED OR RELOCATED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS UNLESS OTHERWISE NOTED IN THE PLANS. ALL RELOCATION WORK ON EXISTING PRIVATE UTILITIES WILL BE DONE BY THE OWNER OF THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY, AND SHALL RESTORE SUCH PROPERTY AT HIS/HER OWN EXPENSE.

SURVEY AND MONUMENTS

ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ALL BEARINGS AND COORDINATES REFERENCED IN THE PLAN DRAWINGS AND ALL CONTROL COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2007). ALL ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE MONUMENTS ARE REMOVED.

DISPOSAL OF MATERIALS

THE CONTRACTOR SHALL BE REQUIRED TO DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER MATERIALS EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS, AT HIS EXPENSE. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING MATERIAL TO LOCATIONS, PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF THE IMPROVEMENT.

UNSUITABLE MATERIAL

BEFORE REMOVAL OF ANY UNSUITABLE MATERIAL, THE CONTRACTOR SHALL TREAT THE SUBGRADE AS PER ARTICLE 301.03 OF THE "STANDARD SPECIFICATIONS" TO THE SATISFACTION OF THE ENGINEER. UNSUITABLE MATERIAL SHALL NOT BE USED AS EMBANKMENT OR FILL UNDER THE PROPOSED TRAIL AS SHOWN ON THE TYPICAL CROSS SECTIONS.

STOCKPILES

STOCKPILES OF TOPSOIL AND OTHER MATERIALS SHALL NOT BE LOCATED WITHIN A SPECIAL MANAGEMENT AREA. APPROVAL OF THE LOCATION MUST BE OBTAINED FROM THE ENGINEER PRIOR TO PLACEMENT. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES SHALL BE PROVIDED. STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

TREE TRIMMING

ALL BRANCHES THAT ARE LESS THAN 12 FEET ABOVE THE SURFACE OF THE TRAIL SHALL BE REMOVED BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH ANSI STANDARD A300-2001 (PART 1) FOR TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE AND ANSI Z133.1-1994 FOR TREE CARE OPERATIONS PRUNING, TRIMMING, REPAIRING, MAINTAINING AND REMOVING TREES AND CUTTING BRUSH. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF TREE REMOVAL.

ACCESS TO PROPERTY

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ABUTTING PROPERTY DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION AS APPROVED BY THE ENGINEER. SHOULD CLOSURE OF ACCESS BE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER 24 HOURS IN ADVANCE OF THE SHORT DURATION CLOSURE.

SAW CUTTING

THE LIMITS OF REMOVAL OF ALL CONCRETE OR BITUMINOUS PAVEMENTS, CURBING OR SIDEWALKS SHALL BE SAWCUT IN ACCORDANCE WITH SECTION 440 OF THE "STANDARD SPECIFICATIONS" AND AT THE DIRECTION OF THE ENGINEER. THE SAW CUTTING OF BITUMINOUS PAVEMENT, DRIVEWAYS, CURBING OR SIDEWALK SHALL BE CONSIDERED INCLUDED IN THE COST OF PAVEMENT REMOVAL. CURB AND GUTTER REMOVAL AND SIDEWALK REMOVAL.

RESTORATION ACCESS

GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH SIX INCHES OF TOPSOIL AND SEED OR SOD.

A. THE CONTRACTOR SHALL BE AWARE OF POTENTIAL LIMITED ACCESS TO PORTIONS OF THE PROJECT. TEMPORARY DRAINAGE CROSSINGS APPROVED BY THE ENGINEER MAY BE INSTALLED BY THE CONTRACTOR AT HIS/HER EXPENSE TO GAIN ACCESS.

SEDIMENTATION AND EROSION CONTROL NOTES

- A. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- B. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE.
- C. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE. PERMANENT STABILIZATION SHALL BE DONE WITHIN 14 DAYS AFTER COMPLETION OF FINAL GRADING.
- D. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- E. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- F. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION.
- G. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
- H. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL PRIOR TO THE START OF ANY EARTHWORK.
- I. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR.
- J. EROSION CONTROL MEASURES SHALL COMPLY WITH THE MINIMUM REQUIREMENTS OF THE COOK COUNTY STORMWATER AND FLOODPLAIN ORDINANCE SPECIFICATIONS AT ALL TIMES.
- K. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTIONS 11.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

TREE PRESERVATION NOTES

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE FOREST PRESERVE DISTRICT OF COOK COUNTY. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ARRANGE TREE PROTECTION WITH THE ROADSIDE DEVELOPMENT UNIT (847.705.4171) PRIOR TO SCHEDULING TREE REMOVAL. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ROADSIDE DEVELOPMENT UNIT.

THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" AND AROUND EXISTING WETLANDS TO ESTABLISH A "WETLAND PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE" AND "WETLAND PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC DAMAGE TO THE REMAINING TREE STRUCTURE.

TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES WHEN NECESSARY TO CUT MAJOR TREE ROOTS TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING IS SPECIFIED FOR TREES AND SHRUBS THAT WILL BE DISTURBED BY CONSTRUCTION BUT WILL REMAIN. SUPPLEMENTAL WATERING OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.

LANDSCAPING NOTES

EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIAL ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.

PRUNE TREE LIMBS THAT MIGHT BE DAMAGED BY EQUIPMENT OPERATIONS AT LEAST ONE WEEK PRIOR TO THE START OF CONSTRUCTION BY A CERTIFIED ARBORIST. ANY TREE LIMBS THAT ARE BROKEN BY CONSTRUCTION EQUIPMENT AFTER THE INITIAL PRUNING MUST BE PRUNED CORRECTLY WITHIN 72 HOURS.

SUPPLEMENTAL WATERING IS SPECIFIED FOR TREES AND SHRUBS THAT WILL BE DISTURBED BY CONSTRUCTION BUT WILL REMAIN. NOTE THAT WATERING SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING, TOP PRUNING OR OTHER CONSTRUCTION DISTURBANCE.

ALL PLANT MATERIAL SHALL BE MARKED IN THE FIELD, CONTACT THE ROADSIDE DEVELOPMENT UNIT AT (847.705.4171) A MINIMUM OF 72 HOURS PRIOR TO TREE PLANTING WORK.

DISTRICT ONE DETAILS

- BD-24 CURB AND GUTTER REMOVAL AND REPLACEMENT
- BD-51 BENCHING DETAIL FOR EMBANKMENT WIDENING
- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- TS-05 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
- TC-22 ARTERIAL ROAD INFORMATION SIGN

DISPOSAL OF MATERIALS

UNSUITABLE MATERIAL

STOCKPILES

TREE TRIMMING

ACCESS TO PROPERTY

SAW CUTTING

FILE NAME = P:\Blue Island\25367145_Cal-Sag-Trail\Phase 2\Roadway\Riverdale\General\Gennotes.dgn



303 East Wacker Drive, Suite 1400, Chicago, IL 60601
T 1-312-373-7700 F 1-312-373-6800

USER NAME = ken_moy	DESIGNED - KLM	REVISED -
	DRAWN - KLM	REVISED -
PLOT SCALE = 9.8135' / 1"	CHECKED - BMC	REVISED -
PLOT DATE = 5/24/2016 9:52:11 AM	DATE - MAY 23, 2016	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
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CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT) INDEX OF SHEETS, GENERAL CONSTRUCTION NOTES AND HIGHWAY STANDARDS	
SHEET NO. 1 OF 1 SHEETS	STA. — TO STA. —

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	2
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	VILLAGE OF RIVERDALE 0028	FPDCC 0028	TOTAL QUANTITY 0028
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	62	0	62
20101000	TEMPORARY FENCE	FOOT	120	0	120
20200100	EARTH EXCAVATION	CU YD	56	7	63
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	950	185	1,135
20400800	FURNISHED EXCAVATION	CU YD	252	20	272
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,489	579	3,068
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	852	282	1,134
* 25000115	SEEDING, CLASS 1B	ACRE	0.2	0.1	0.3
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	18	9	27
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	18	9	27
* 25100115	MULCH, METHOD 2	ACRE	0.2	0.1	0.3
* 25100630	EROSION CONTROL BLANKET	SQ YD	852	282	1,134
* 25200200	SUPPLEMENTAL WATERING	UNIT	9	3	12
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	20	10	30
28000400	PERIMETER EROSION BARRIER	FOOT	1,937	877	2,814
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	142	28	170
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	315	31	346
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	1,812	457	2,269
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	4,076	1,029	5,105
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	105	0	105
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	4	0	4
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	223	51	274
42001300	PROTECTIVE COAT	SQ YD	432	34	466

CODE NO.	ITEM	UNIT	VILLAGE OF RIVERDALE 0028	FPDCC 0028	TOTAL QUANTITY 0028
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	3,161	236	3,397
42400800	DETECTABLE WARNINGS	SQ FT	454	40	494
44000100	PAVEMENT REMOVAL	SQ YD	26	0	26
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	51	0	51
44000600	SIDEWALK REMOVAL	SQ FT	1,000	0	1,000
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	0	1
60255500	MANHOLES TO BE ADJUSTED	EACH	6	0	6
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	22	0	22
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100	0	100
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	0	1
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	0	1
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	12	0	12
67100100	MOBILIZATION	L SUM	0.7	0.3	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	0	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.8	0.2	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	0	20
* 72000100	SIGN PANEL - TYPE 1	SQ FT	596	24	620
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	6	0	6
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	0	2
* 72900100	METAL POST - TYPE A	FOOT	449	10	459
* 72900200	METAL POST - TYPE B	FOOT	1,034	30	1,064

* = SPECIALTY ITEMS



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USER NAME = ken_moj	DESIGNED - KLM	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN - KLM	REVISED -
PLOT DATE = 5/25/2016 9:46:26 AM	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	3
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = P:\Blue 151\2016\151-00131-00-BT\Phase 2\Roadway\Riverdale\General\S00-Cal-Sag-Riverdale.dgn

FILE NAME = P:\Blue Island\2036745_Cal-Sag\Trail\Phase 2\Roadway\Riverdale\General\500_Cal-Sag_Riverdale.dgn

CODE NO.	ITEM	UNIT	VILLAGE OF RIVERDALE 0028	FPDCC 0028	TOTAL QUANTITY 0028
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	757	0	757
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,091	0	4,091
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	741	165	906
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	473	0	473
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,248	402	1,650
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	98	0	98
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,790	428	2,218
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	80	10	90
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	117	0	117
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	6,785	0	6,785
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	248	0	248
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	790	0	790
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	30	10	40
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	0.5	0.5	1
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	818	0	818
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	846	0	846
* 87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	2	1	3
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8	4	12
* 87900200	DRILL EXISTING HANDHOLE	EACH	2	1	3
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	3	1	4
* 88800100	PEDESTRIAN PUSH BUTTON	EACH	3	1	4
* 89502200	MODIFY EXISTING CONTROLLER	EACH	0.5	0.5	1
* 89502376	REBUILD EXISTING HANDHOLE	EACH	1	1	2

CODE NO.	ITEM	UNIT	VILLAGE OF RIVERDALE 0028	FPDCC 0028	TOTAL QUANTITY 0028
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	0	4
* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	4	0	4
* B2001616	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4	0	4
* K1005863	TREE ROOT PRUNING	EACH	3	0	3
X0321322	DROP GATE	EACH	0	1	1
* X2010400	STUMP REMOVAL ONLY	UNIT	22	0	22
* X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	34	0	34
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	90	0	90
* XX005642	GATEWAY MONUMENT SIGN COMPLETE	EACH	2	0	2
* XX007399	MONUMENT TYPE A FOUNDATION	EACH	12	1	13
* XX008268	DECORATIVE GATEWAY ELEMENT	EACH	1	0	1
* XX008600	DECORATIVE SIGN AND POST (DIRECT POST)	EACH	12	1	13
* XX008910	PAVEMENT MARKING (SPECIAL)	SQ FT	3,026	0	3,026
XX009026	BENCH REMOVAL	EACH	1	0	1
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	0	1
Z0022800	FENCE REMOVAL	FOOT	50	0	50
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	271	14	285
Z0042300	PORTLAND CEMENT CONCRETE SIDEWALK CURB	FOOT	346	50	396

* = SPECIALTY ITEMS



USER NAME = ken_moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN - KLM	REVISED -
PLOT DATE = 5/25/2016 9:47:00 AM	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

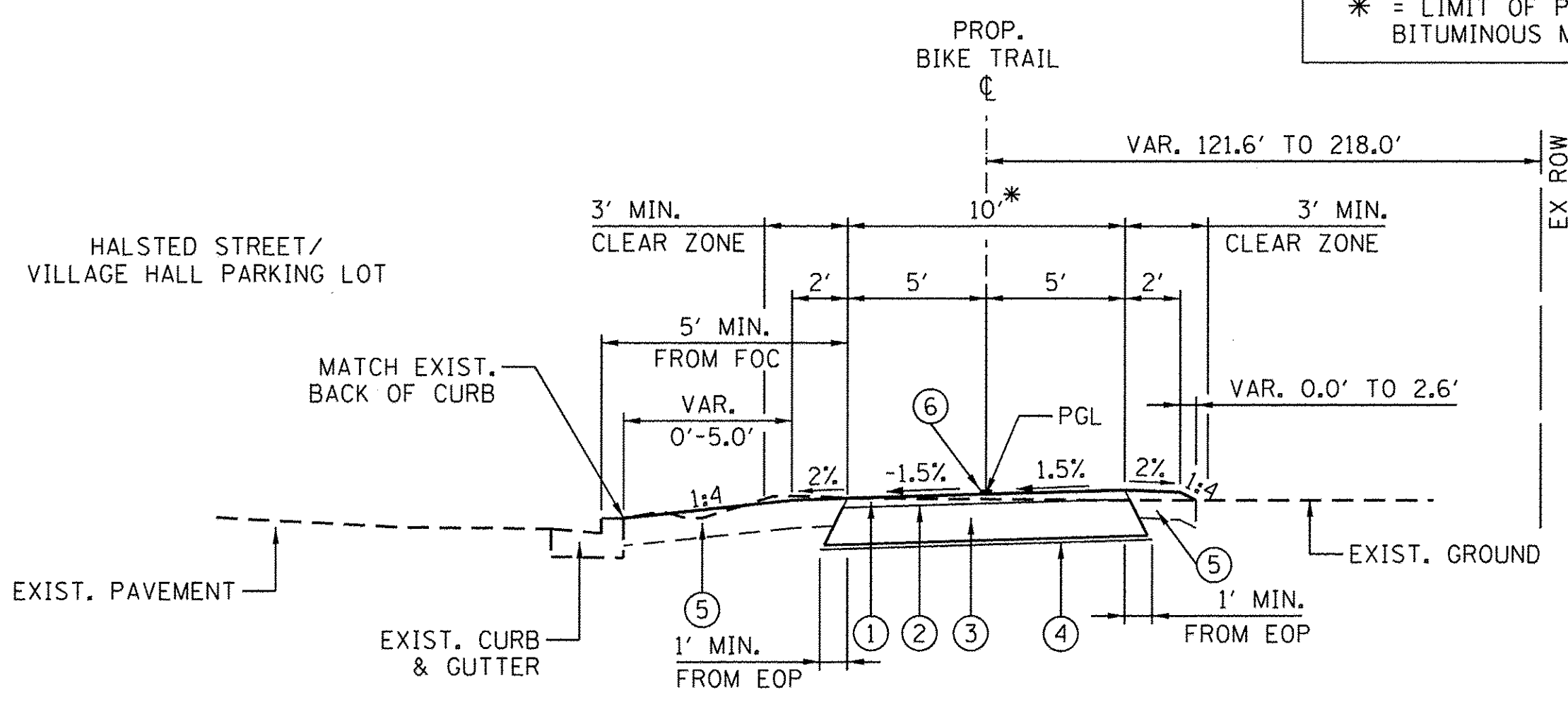
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	4
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

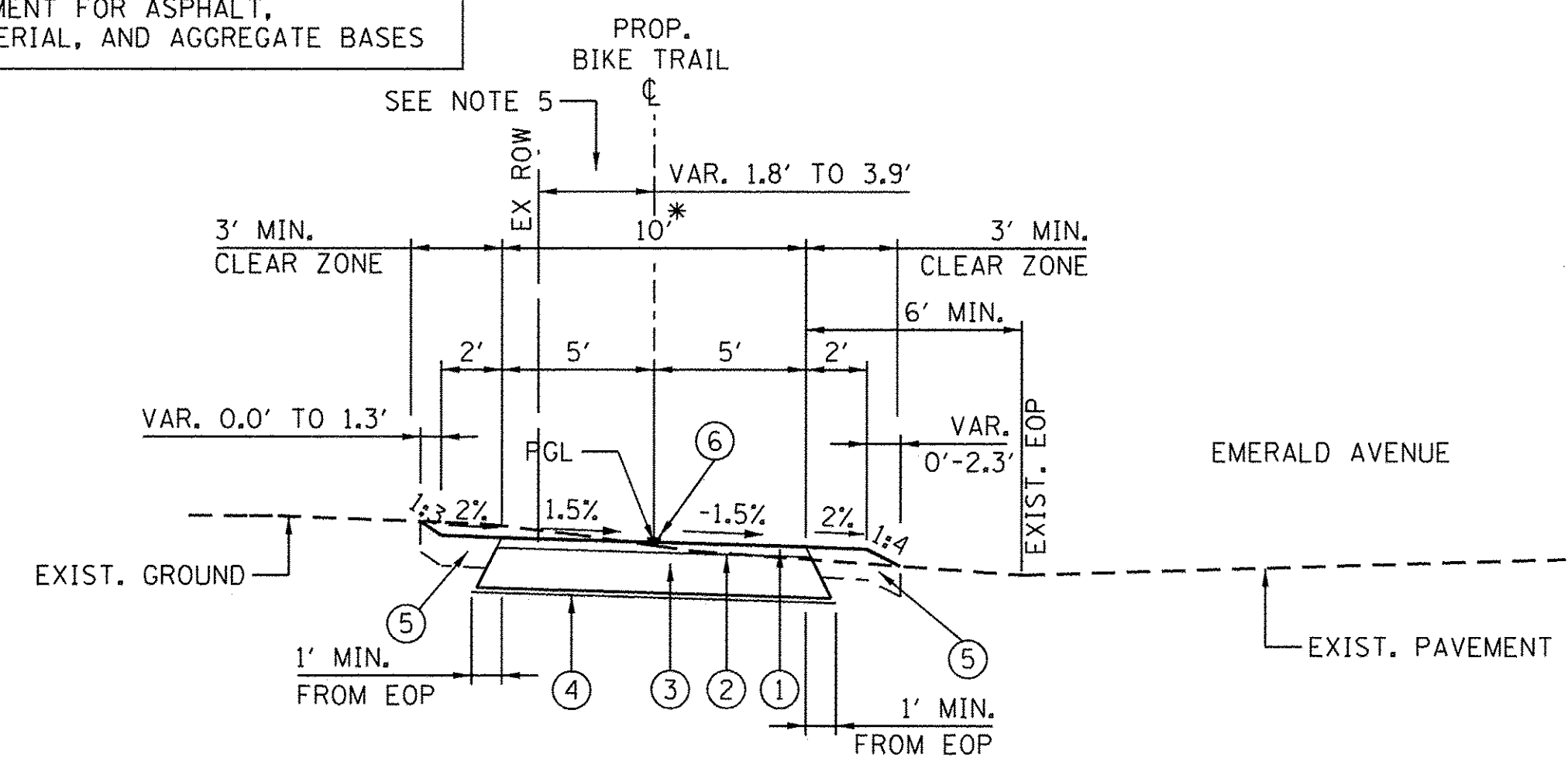
SHEET NO. 2 OF 3 SHEETS STA. TO STA.

* = LIMIT OF PAYMENT FOR ASPHALT, BITUMINOUS MATERIAL, AND AGGREGATE BASES



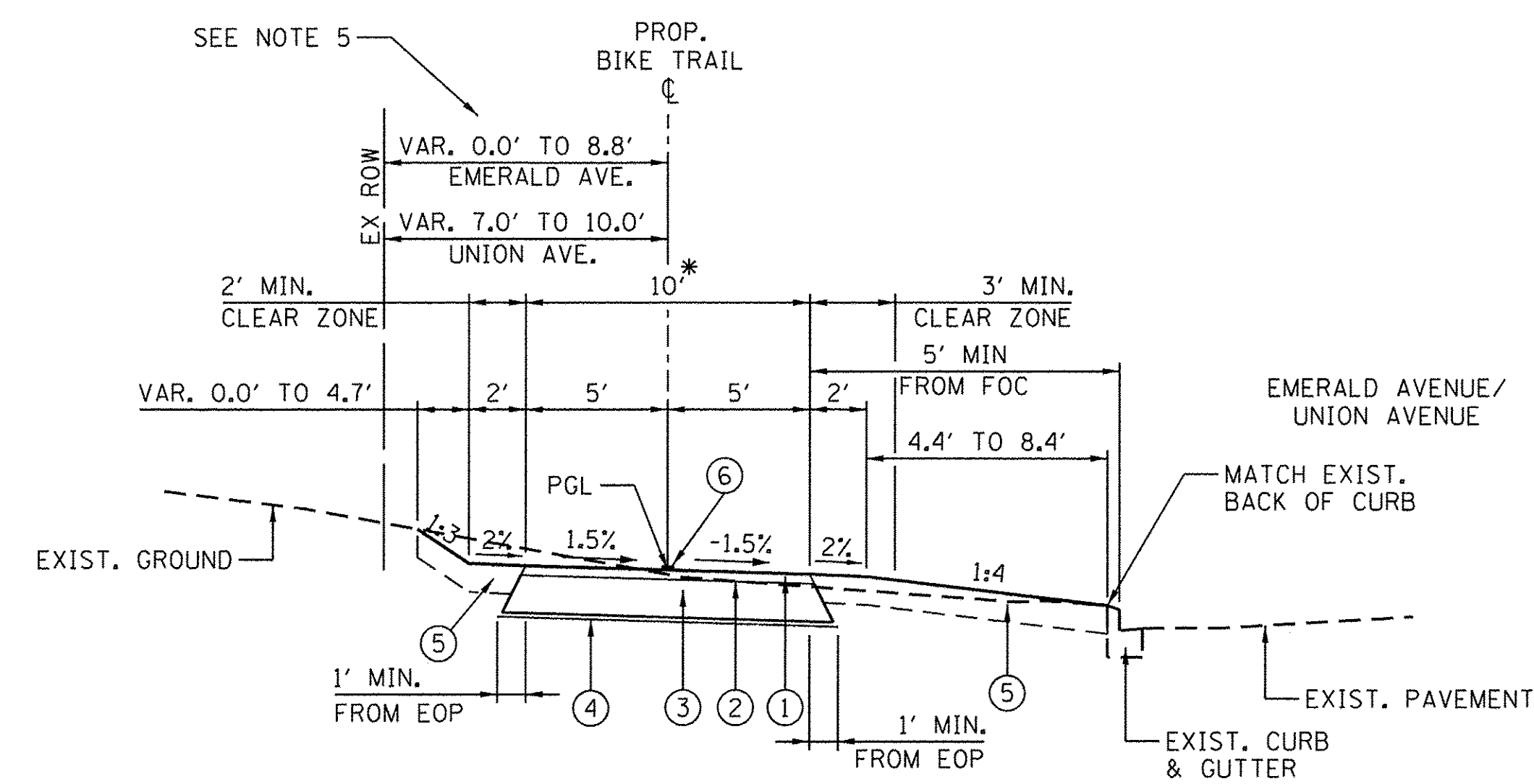
PROPOSED TYPICAL SECTION

STA. 494+43.51 TO STA. 497+00.00 (LOOKING SOUTH)
 STA. 512+50.00 TO STA. 513+49.89 (LOOKING SOUTH)
 STA. 529+59.41 TO STA. 529+97.51 (LOOKING SOUTH)
 STA. 536+36.56 TO STA. 539+87.45 (LOOKING EAST)



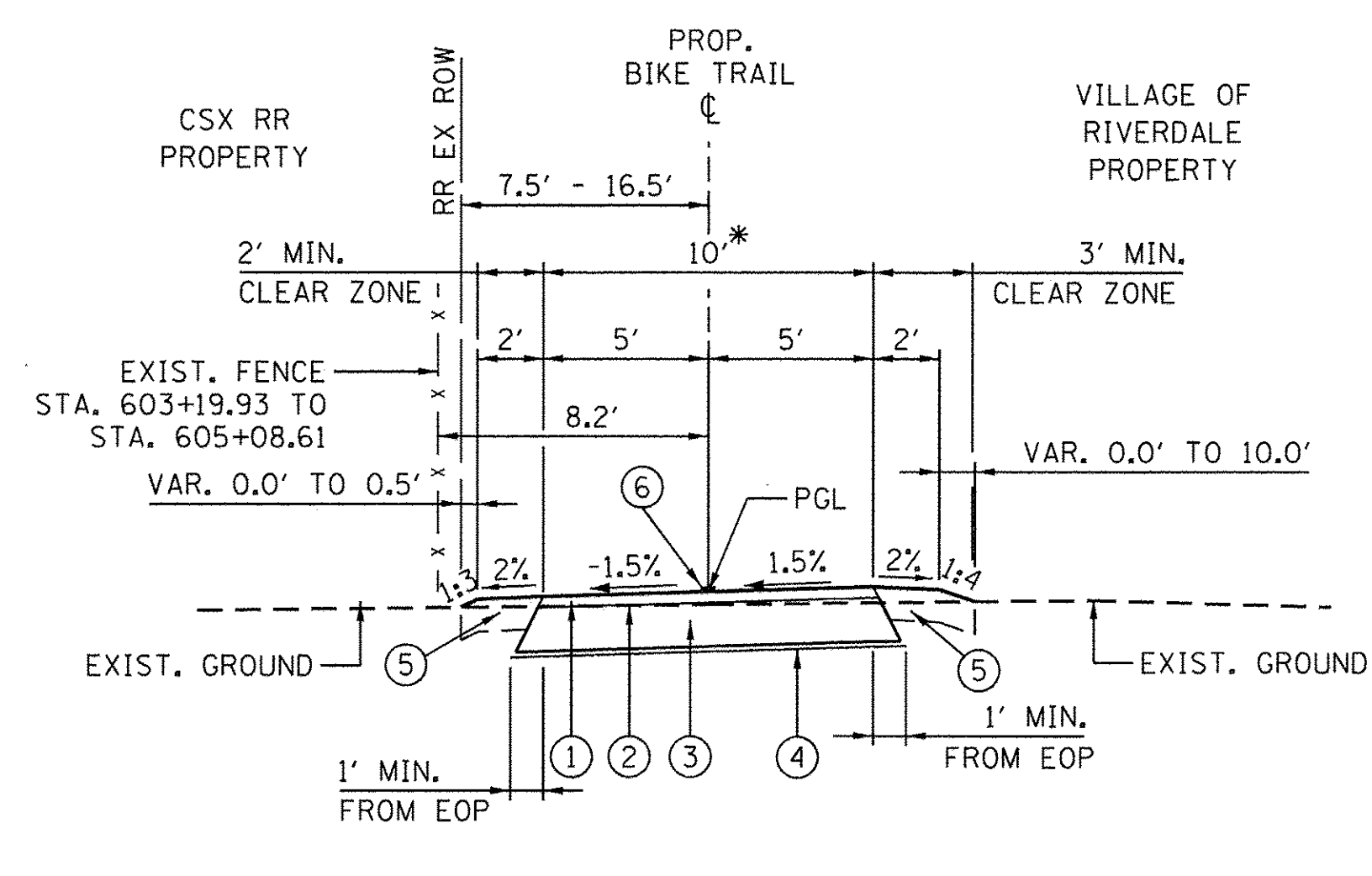
PROPOSED TYPICAL SECTION

STA. 530+21.83 TO STA. 532+34.00 (LOOKING SOUTH)



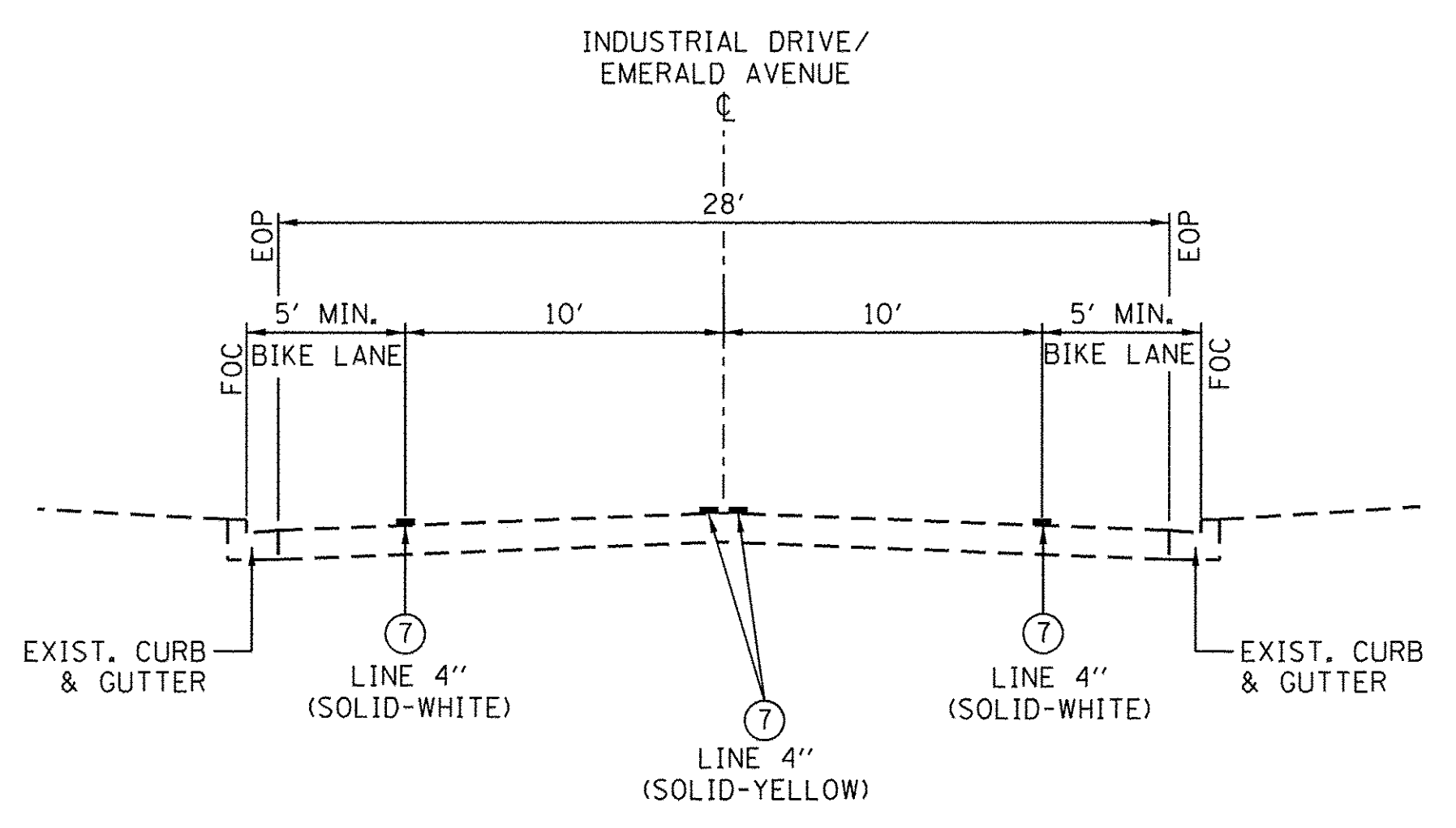
PROPOSED TYPICAL SECTION

STA. 532+65.87 TO STA. 535+38.50 (LOOKING SOUTH)
 STA. 540+15.05 TO STA. 543+33.26 (LOOKING SOUTH)



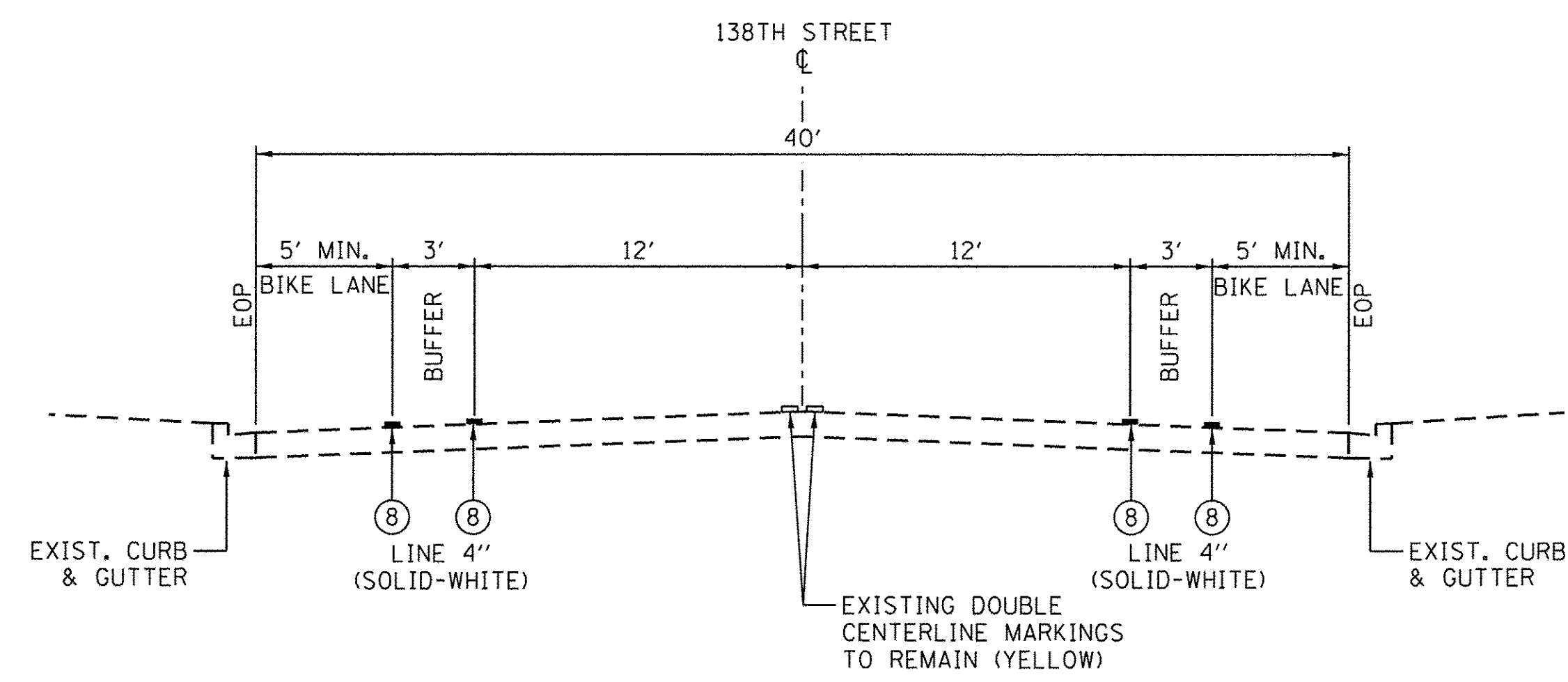
PROPOSED TYPICAL SECTION

STA. 602+89.88 TO STA. 607+16.65 (LOOKING SOUTHEAST)



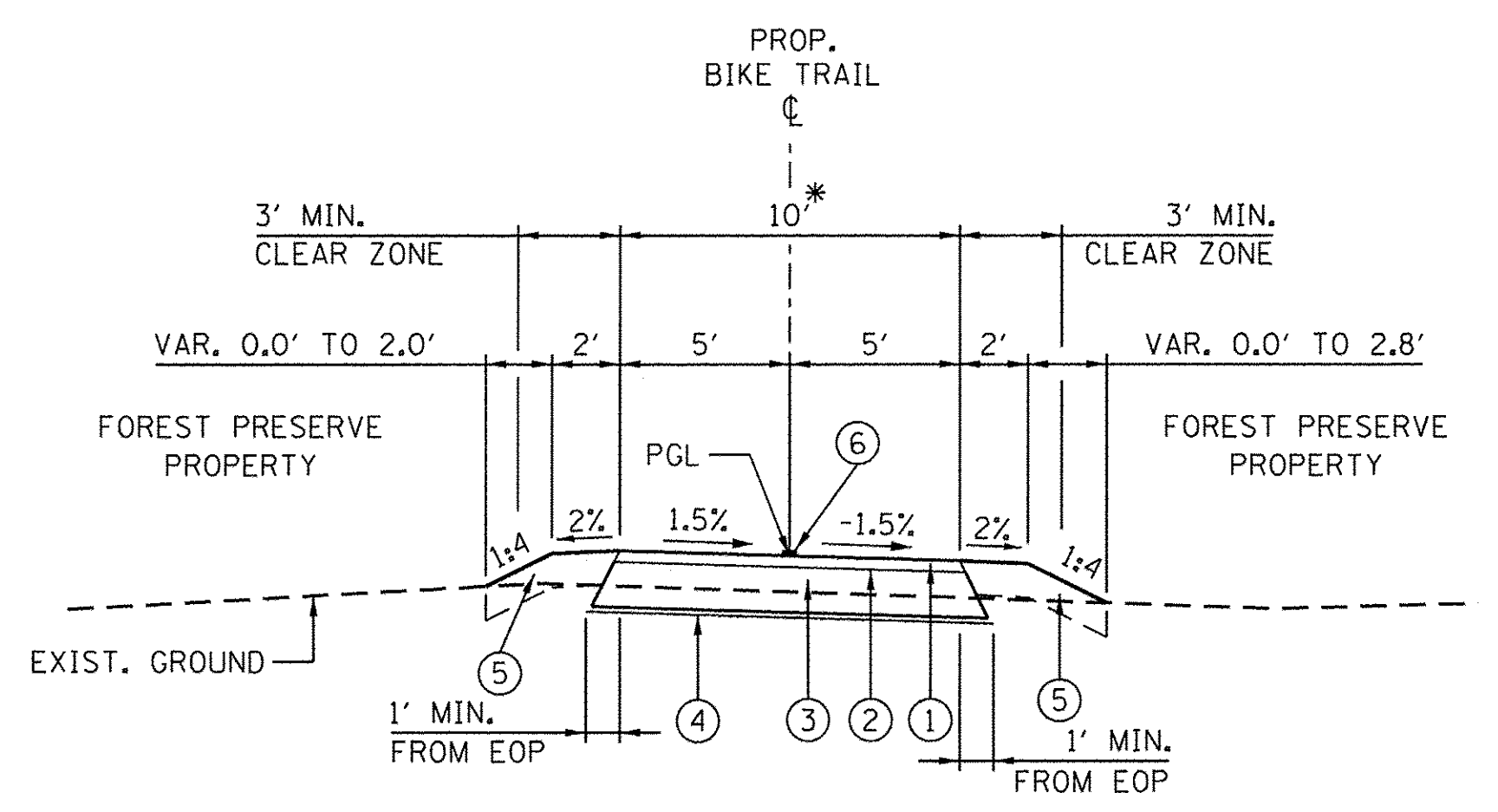
PROPOSED TYPICAL SECTION

STA. 513+86.95 TO STA. 529+59.41



PROPOSED TYPICAL SECTION

STA. 523+00 TO STA. 5549+00



PROPOSED TYPICAL SECTION

STA. 100+95.64 TO STA. 105+33.52 (MAJOR TAYLOR SPUR - LOOKING EAST)

LEGEND:

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ② BITUMINOUS MATERIALS (PRIME COAT)
- ③ AGGREGATE BASE COURSE, TYPE B, 8"
- ④ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑤ TOPSOIL FURNISH AND PLACE, 6", AND SEEDING, CLASS 1B
- ⑥ PAINT PAVEMENT MARKING, LINE 4" YELLOW
- ⑦ THERMOPLASTIC PAVEMENT MARKING
- ⑧ POLYUREA PAVEMENT MARKING, TYPE I

NOTE 1:

WHERE UNSUITABLE MATERIAL UNDERLIES THE BIKE TRAIL, SHOULDERS AND/OR EMBANKMENT, AS DETERMINED BY THE ENGINEER, THE SUBGRADE TREATMENT WILL CONSIST OF EXCAVATION OF SUCH UNSUITABLE MATERIAL TO A DEPTH 12" BELOW AGGREGATE BASE COURSE AND PLACEMENT OF 12" OF AGGREGATE SUBGRADE IMPROVEMENT AND A GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

NOTE 2:

ADDITIONAL FILL MATERIAL TO BE PLACED ABOVE FABRIC IN CUT SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. MATERIAL SHALL BE SUITABLE EMBANKMENT MATERIAL.

NOTE 3:

AT ALL INTERSECTIONS OF BIKE PATH AND ROADWAYS, DEPRESS THE CURB (IF APPLICABLE) AND MAINTAIN EXISTING PAVEMENT ELEVATIONS.

NOTE 4:

NO PROPOSED TYPICAL SECTION FOR "PROJECT OMISSION" STA. 497+00.00 TO STA. 512+50.00

NOTE 5:

SECTION OF BIKE TRAIL WILL BE CONSTRUCTED ON VILLAGE OF RIVERDALE RIGHT-OF-WAY.

BITUMINOUS MIXTURE REQUIREMENTS

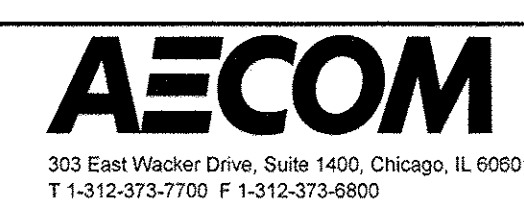
ITEM	VOIDS	USAGE
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL 9.5mm), 2 INCHES	4% @ 50 GYR	BIKE TRAIL SURFACE

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURES IS 112 LBS/SQYD/IN.

THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

FILE NAME = P:\Blue Island\25367145-Cal-Sag\Trail\Phase 2\Roadway\Riverdale\Typical Sections\TypSec-Riverdale.dgn



USER NAME = ken_may	DESIGNED - KLM	REVISED -
PLOT SCALE = 49.0676' / 1"	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016 9:53:25 AM	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 PROPOSED TYPICAL SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	5
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SHEET NO. OF SHEETS STA. TO STA.

EARTHWORK SCHEDULE											
	STATION	TO	STATION	EARTH EXCAVATION CU YD	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) CU YD	EMBANKMENT CU YD	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) FURNISHED EXCAVATION CU YD	UNSUITABLE EXCAVATION (REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL) CU YD	UNSUITABLE MATERIAL ADJUSTED FOR SHRINKAGE (25%) CU YD	TOPSOIL FURNISH AND PLACE, 6" CU YD	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (UNSUITABLE MATERIAL) CU YD
1	494+43.51		497+00.00	2	1	21	-20	83	63	15	48
OMISSION	497+00.00		512+50.00	-	-	-	-	-	-	-	-
2	512+50		513+46.26	3	2	8	-6	48	36	7	29
3	529+59.41		535+35.79	15	11	77	-66	280	210	39	171
4	536+38.20		543+31.68	32	24	65	-41	356	267	54	213
5	602+91.49		607+16.65	4	3	54	-50	183	137	27	110
6	100+98.47		105+32.93	7	5	94	-89	185	139	47	92
TOTAL:				63	47	320	-272	1,135	851	189	662

SCHEDULE FOR GATEWAY MONUMENT SIGN COMPLETE, DECORATIVE GATEWAY ELEMENT, DECORATIVE SIGN AND POST (DIRECT POST)																
	Round directional signs	Round Logo Signs	Rect. Trail Signs	Rect. Info Signs	Decorative sign & post	Decorative Gateway Element	Gateway Mon. Sign Complete	Logo 2 sided	Restroom Sign (arrow)	Bus sign (arrow)	Train Sign (arrow)	Restaur Sign (arrow)	Bike Shop (arrow)	Mile Marker	Sign Sup Brack	Directional Sign Callout with single arrows
Cook FPD																
Location																
494+61	4		2		1											(1) Riverdale (up), (1) Blue Island (up), (2) Major Taylor Trail (1 lt & 1 rt)
105+30	2				1											(1) Major Taylor Trail (lt), (1) Cal-Sag Trail (up)
Extras		2			1											
Subtotal	6	2	2	0	3	0	0	0	2					0	0	
Riverdale																
Location																
496+00							1									(1) Riverdale (lt), (1) Blue Island (up)
513+40	2	2			1											(1) Riverdale (up)
543+10	1	1			1									2		(1) Dolton (lt)
562+45	1	1			1											(1) Blue Island (rt)
563+50	1	1			1											(1) Dolton (rt), MM=21
568+85	1	1	2		1								2			(1) Blue Island (lt)
570+00	1	1			1											(1) Blue Island (rt)
583+15	1	1			1											(1) Dolton (rt)
583+85	1	1			1											
589+63						1										
595+70		2	2		1					1 lt & 1 rt				2		
603+45	2	2			1											(1) Dolton (up), Blue Island (lt)
611+64	2	2	2		1									2		(1) Riverdale (rt), Dolton (up)
614+50							1									
Extras		2			1		1									
Subtotal	13	17	6	0	12	1	3	0			2			2	8	

FILE NAME = P:\Blue Island_25367145_Cal-SagTrail\Phase 2\Roadway\Riverdale\General\Schedules_Cal-Sag-Riverdale.dgn



USER NAME = ken_moy
 DESIGNED - KLM
 DRAWN - KLM
 CHECKED - BMC
 PLOT DATE = 5/24/2016 9:53:26 AM
 DATE - MAY 23, 2016
 REVISIONS:
 REVISIONS -
 REVISIONS -
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 REVISIONS -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 SCHEDULES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	6
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SHEET NO. OF SHEETS STA. TO STA.

FILE NAME = P:\Blue Island\26367145_Cal_Sag\1\Phase 2\Roadway\Riverdale\General\Schedules_Cal_Sag_Riverdale.dgn

SIGN INSTALLATION SCHEDULE									
STATION	RT/LT	SIGN	DESIGNATION	SIGN PANEL DIMENSIONS (IN)		TYPE A POST (EACH)	TYPE B POST (EACH)	LENGTH (FT)	TOTAL LENGTH (FT)
101+20.33	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	MOUNTED ON EAST SIDE OF TRAFFIC SIGNAL POST			
		DIAGONAL ARROW	W16-7P	24	12				
WESTBOUND 134TH ST. STA. 102+10.71	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				
105+22.67	RT	STOP	R1-1	18	18	1	-	10	10
SOUTHBOUND HALSTED ST. STA. 492+63.88	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				
494+38.43	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	MOUNTED ON NORTH SIDE OF TRAFFIC SIGNAL POST			
		DIAGONAL ARROW	W16-7P	24	12				
495+37.38	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	MOUNTED ON WEST SIDE OF TRAFFIC SIGNAL POST			
		DIAGONAL ARROW	W16-7P	24	12				
EASTBOUND 134TH ST. STA. 495+40	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				
495+71.20	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	MOUNTED ON SOUTH SIDE OF TRAFFIC SIGNAL POST			
		DIAGONAL ARROW	W16-7P	24	12				
497+40.41	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				
513+18.00	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		DIAGONAL ARROW	W16-7P	24	12				
513+35.00	RT	STOP	R1-1	18	18	1	-	10	10
513+84.00	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		DIAGONAL ARROW	W16-7P	24	12				
513+95.00	LT	STOP	R1-1	30	30	-	1	12	11.5
515+10.00	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				
515+25.00	RT	SPEED LIMIT 20	R2-1	24	30	-	1	14	13.5
518+00.00	RT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	1	14	13.5
518+00.00	LT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	1	14	13.5
520+00.00	RT	SPEED HUMP	W17-1	30	30	2	-	14	28
		AHEAD	W16-9P	24	12				
520+00.00	LT	SPEED LIMIT 20	R2-1	24	30	-	1	14	13.5
520+70.00	RT	HORIZONTAL ALIGNMENT	W1-1R	30	30	2	-	14.5	29
		ADVISORY SPEED 10	W13-1P	18	18				
521+09.00	RT	SPEED HUMP	W17-1	30	30	-	1	14	13.5
521+21.00	LT	SPEED HUMP	W17-1	30	30	-	1	14	13.5
522+35.00	LT	SPEED HUMP	W17-1	30	30	-	2	14.5	29
		AHEAD	W16-9P	24	12				
522+35.00	RT	SPEED HUMP	W17-1	30	30	-	2	14.5	29
		AHEAD	W16-9P	24	12				
523+94.00	RT	SPEED HUMP	W17-1	30	30	-	1	14	13.5
524+06.00	LT	SPEED HUMP	W17-1	30	30	-	1	14	13.5
524+20.00	LT	HORIZONTAL ALIGNMENT	W1-1L	30	30	MOUNTED ON SOUTH SIDE OF POWER POLE			
		ADVISORY SPEED 10	W13-1P	18	18				
524+90.00	RT	SPEED LIMIT 20	R2-1	24	30	-	1	14	13.5
525+68.00	LT	SPEED HUMP	W17-1	30	30	MOUNTED ON SOUTH SIDE OF POWER POLE			
		AHEAD	W16-9P	24	12				
526+00.00	RT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	1	14	13.5
528+07.00	LT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	1	14	13.5

SIGN INSTALLATION SCHEDULE									
STATION	RT/LT	SIGN	DESIGNATION	SIGN PANEL DIMENSIONS (IN)		TYPE A POST (EACH)	TYPE B POST (EACH)	LENGTH (FT)	TOTAL LENGTH (FT)
529+48.00	LT	SPEED LIMIT 20	R2-1	24	30	-	1	14	13.5
529+90.00	RT	STOP	R1-1	18	18	1	-	10	10
529+90.00	LT	COMBINATION BIKE AND PED CROSSING	W11-15	30	30	2	-	14	28
		DIAGONAL ARROW	W16-7P	24	12				
530+41.00	RT	COMBINATION BIKE AND PED CROSSING	W11-15	30	30	2	-	14	28
		DIAGONAL ARROW	W16-7P	24	12				
530+29.00	LT	STOP	R1-1	18	18	1	-	10	10
532+19.00	RT	STOP	R1-1	18	18	1	-	10	10
532+72.00	LT	STOP	R1-1	18	18	1	-	10	10
535+14.00	RT	STOP	R1-1	18	18	1	-	10	10
536+41.00	LT	STOP	R1-1	18	18	1	-	10	10
539+80.00	RT	STOP	R1-1	18	18	1	-	10	10
540+25.00	LT	STOP	R1-1	18	18	1	-	10	10
542+32.00	RT	STOP	R1-1	18	18	1	-	10	10
542+68.00	LT	STOP	R1-1	18	18	1	-	10	10
543+29.00	RT	STOP	R1-1	18	18	1	-	10	10
EASTBOUND 138TH ST. SE QUADRANT OF 138TH ST. & HALSTED ST.	RT	BIKE LANE	R3-17B	24	18	MOUNTED ON WEST SIDE OF POWER POLE			
		AHEAD	R3-17aP	24	8				
EASTBOUND 138TH ST. 175' WEST OF PROP. CROSSWALK	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				
EASTBOUND 138TH ST. 5' WEST OF PROP. CROSSWALK	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		DIAGONAL ARROW	W16-7P	24	12				
543+64.65	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		DIAGONAL ARROW	W16-7P	24	12				
544+00.00	RT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	2	18.5	37
		DO NOT PASS	R4-1	24	30				
		STAY IN LANE	R4-9	24	30				
544+08.00	LT	BIKE ROUTE	D11-1	24	18	MOUNTED ON EAST SIDE OF STREET LIGHT POLE			
		BIKE ROUTE CROSSING	M6-4	12	9				
544+57.38	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				
545+85.00	LT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	2	18.5	37
		DO NOT PASS	R4-1	24	30				
		STAY IN LANE	R4-9	24	30				
545+95.00	RT	RIGHT LANE BIKES ONLY	R3-17B	24	30	MOUNTED ON WEST SIDE OF STREET LIGHT POLE			
548+50.00	RT	DO NOT PASS	R4-1	24	30	2	-	15.5	31
		STAY IN LANE	R4-9	24	30				
548+69.00	LT	DO NOT PASS	R4-1	24	30	MOUNTED ON EAST SIDE OF STREET LIGHT POLE			
		STAY IN LANE	R4-9	24	30				
551+00.00	RT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	1	14	13.5
551+42.00	LT	RIGHT LANE BIKES ONLY	R3-17B	24	30	MOUNTED ON EAST SIDE OF STREET LIGHT POLE			
553+50.00	RT	DO NOT PASS	R4-1	24	30	-	2	16	32
		STAY IN LANE	R4-9	24	30				
553+50.00	LT	DO NOT PASS	R4-1	24	30	2	-	15.5	31
		STAY IN LANE	R4-9	24	30				
556+00.00	RT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	1	14	13.5
556+00.00	LT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	1	14	13.5



USER NAME = ken_moj	DESIGNED - KLM	REVISED -
DRAWN - KLM	REVISED -	
PLOT SCALE = 1/8" = 1'-0"	CHECKED - BMC	REVISED -
PLOT DATE = 5/24/2016 9:53:47 AM	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
SCHEDULES**

SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	7
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = P:\Blue Island\25357145_Cal-SagTrail\Phase 2\Roadway\Riverdale\General\Schedules_Cal-Sag_Riverdale.dgn

SIGN INSTALLATION SCHEDULE									
STATION	RT/LT	SIGN	DESIGNATION	SIGN PANEL DIMENSIONS (IN)		TYPE A POST (EACH)	TYPE B POST (EACH)	LENGTH /POST (FT)	TOTAL LENGTH (FT)
558+50.00	RT	DO NOT PASS	R4-1	24	30	2	-	15.5	31
		STAY IN LANE	R4-9	24	30				
558+50.00	LT	DO NOT PASS	R4-1	24	30	2	-	15.5	31
		STAY IN LANE	R4-9	24	30				
561+00.00	RT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	1	14	13.5
561+00.00	LT	RIGHT LANE BIKES ONLY	R3-17B	24	30	-	1	14	13.5
561+37.00	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				
561+79.00	RT	BIKE ROUTE	D11-1	24	18	-	1	13.3	13.3
		BIKE ROUTE CROSSING	M6-4	12	9				
562+00.00	LT	DO NOT PASS	R4-1	24	30	2	-	15.5	31
		STAY IN LANE	R4-9	24	30				
562+37.00	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		DIAGONAL ARROW	W16-7P	24	12				
WESTBOUND 138TH ST. STA. 563+12, 37' RT	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		DIAGONAL ARROW	W16-7P	24	12				
WESTBOUND 138TH ST. STA. 563+12, 94' RT	RT	BIKE ROUTE	D11-1	24	18	-	1	13.3	13.3
		BIKE ROUTE CROSSING	M6-4	12	9				
WESTBOUND 138TH ST. STA. 563+12, 137' RT	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				
WESTBOUND 138TH ST. STA. 563+12, 278' RT	RT	BIKE LANE	R3-17B	24	18	1	-	12.7	12.7
		AHEAD	R3-17aP	24	8				
EASTBOUND 137TH ST. STA. 602+00	RT	BIKE ROUTE	D11-1	24	18	-	1	13.3	13.3
		BIKE ROUTE CROSSING	M6-4	12	9				
WESTBOUND 137TH ST. 5' EAST OF PROP. CROSSWALK	RT	COMBINATION BIKE AND PED CROSSING	W11-15	30	30	2	-	14	28
		DIAGONAL ARROW	W16-7P	24	12				
602+99.00	LT	STOP	R1-1	18	18	1	-	10	10
603+11.00	RT	COMBINATION BIKE AND PED CROSSING	W11-15	30	30	MOUNTED ON WEST SIDE OF STREET LIGHT POLE			
		DIAGONAL ARROW	W16-7P	24	12				
607+03.00	LT	STOP	R1-1	18	18	1	-	10	10
607+51.00	RT	STOP	R1-1	30	30	-	1	12	11.5
608+04.50	LT	STOP	R1-1	30	30	-	1	12	11.5
EASTBOUND 138TH ST. AT MICHIGAN AVE. 100' WEST OF PROP. CROSSWALK	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				
EASTBOUND 138TH ST. AT MICHIGAN AVE. 50' WEST OF PROP. CROSSWALK	RT	BIKE ROUTE	D11-1	24	18	-	1	13.3	13.3
		BIKE ROUTE CROSSING	M6-4	12	9				
EASTBOUND 138TH ST. 5' WEST OF PROP. CROSSWALK	RT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		DIAGONAL ARROW	W16-7P	24	12				
612+26.00	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		DIAGONAL ARROW	W16-7P	24	12				
612+76.00	LT	BIKE ROUTE	D11-1	24	18	-	1	13.3	13.3
		BIKE ROUTE CROSSING	M6-4	12	9				
613+26.00	LT	COMBINATION BIKE AND PED CROSSING	W11-15	36	36	-	2	15	30
		AHEAD	W16-9P	24	12				

THPL PVT MK LTR & SYM (WHITE)		
TYPE	STATION	OFFSET
BIKE LANE SYMBOL	514+00.	RT
BIKE LANE SYMBOL W/ TURN ARROW	514+00.	LT
SLOW ZONE	520+75.	RT
SPEED HUMP CHEVRONS	521+15.	RT & LT
BIKE LANE SYMBOL	521+15.	RT & LT
SLOW ZONE	522+15.	RT
BIKE LANE SYMBOL	522+32.	RT & LT
SLOW ZONE	522+55.	LT
BIKE LANE SYMBOL	523+40.	RT & LT
SPEED HUMP CHEVRONS	524+00.	RT & LT
SLOW ZONE	524+35.	LT
BIKE LANE SYMBOL	525+90.	RT & LT
BIKE LANE SYMBOL	527+90.	LT
BIKE LANE SYMBOL	528+50.	RT
SHARROW	529+55.	LT
SHARROW	563+50.	RT
SHARROW	563+85.	LT
SHARROW	566+00.	RT
SHARROW	566+35.	LT
SHARROW	568+50.	RT
SHARROW	568+85.	LT
SHARROW	570+20.	RT
SHARROW	570+70.	LT
SHARROW	572+70.	RT
SHARROW	573+20.	LT
SHARROW	575+20.	RT
SHARROW	575+70.	LT
SHARROW	576+80.	RT
SHARROW	578+75.	LT
SHARROW	580+00.	RT
SHARROW	582+00.	LT
SHARROW	583+00.	RT
SHARROW	583+60.	LT
SHARROW	584+50.	RT
SHARROW	585+00.	LT
SHARROW	587+00.	RT
SHARROW	587+50.	LT
SHARROW	589+50.	RT
SHARROW	590+00.	LT
SHARROW	592+00.	RT
SHARROW	592+50.	LT
SHARROW	594+00.	RT
SHARROW	595+00.	LT
SHARROW	596+50.	RT
SHARROW	597+50.	LT
SHARROW	599+00.	RT
SHARROW	600+00.	LT
SHARROW	601+50.	RT
SHARROW	602+00.	LT
SHARROW	608+15.	RT
SHARROW	608+15.	LT
SHARROW	611+00.	RT
SHARROW	611+50.	LT
SHARROW	612+00.	RT
SHARROW	613+00.	LT
SHARROW	614+00.	RT

POLYUREA PVT MK LTR & SYM (WHITE)		
TYPE	STATION	OFFSET
BIKE LANE SYMBOL	543+70.	RT
BIKE LANE SYMBOL W/ TURN ARROW	543+70.	LT
BIKE LANE SYMBOL	548+30.	RT & LT
BIKE LANE SYMBOL	553+05.	RT & LT
BIKE LANE SYMBOL	557+80.	RT & LT
BIKE LANE SYMBOL	562+40.	LT
BIKE LANE SYMBOL W/ TURN ARROW	562+45.	RT



USER NAME = ken_moy
 PLOT SCALE = 1/8" = 1'-0"
 PLOT DATE = 5/24/2016 9:54:14 AM

DESIGNED - KLM
 DRAWN - KLM
 CHECKED - BMC
 DATE - MAY 23, 2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 SCHEDULES

SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	8
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROP. CURVE MT-1
 PI STA. = 102+05.83
 $\Delta = 8^\circ 48' 17''$ (RT)
 D = 19' 05' 55"
 R = 300.00'
 T = 23.10'
 L = 46.10'
 E = 0.89'
 P.C. STA. = 101+82.73
 P.T. STA. = 102+28.83

PROP. CURVE MT-2
 PI STA. = 103+48.68
 $\Delta = 79^\circ 06' 29''$ (LT)
 D = 57' 17' 45"
 R = 100.00'
 T = 82.59'
 L = 138.07'
 E = 29.70'
 P.C. STA. = 102+66.09
 P.T. STA. = 104+04.16

PROP. CURVE MT-3
 PI STA. = 104+55.02
 $\Delta = 53^\circ 54' 47''$ (RT)
 D = 57' 17' 45"
 R = 100.00'
 T = 50.86'
 L = 94.10'
 E = 12.19'
 P.C. STA. = 104+04.16
 P.T. STA. = 104+98.26

PROP. CURVE-1
 PI STA. = 496+13.45
 $\Delta = 7^\circ 11' 37''$ (LT)
 D = 22' 55' 06"
 R = 250.00'
 T = 15.71'
 L = 31.39'
 E = 0.49'
 P.C. STA. = 495+97.73
 P.T. STA. = 496+29.12

PROP. CURVE-2
 PI STA. = 496+76.07
 $\Delta = 6^\circ 59' 14''$ (RT)
 D = 22' 55' 06"
 R = 250.00'
 T = 15.26'
 L = 30.49'
 E = 0.47'
 P.C. STA. = 496+60.81
 P.T. STA. = 496+91.30

PROP. CURVE-3
 PI STA. = 513+44.83
 $\Delta = 10^\circ 32' 03''$ (LT)
 D = 38' 11' 50"
 R = 150.00'
 T = 13.83'
 L = 27.58'
 E = 0.64'
 P.C. STA. = 513+31.00
 P.T. STA. = 513+58.58

PROP. CURVE-4
 PI STA. = 514+89.55
 $\Delta = 90^\circ 01' 48''$ (RT)
 D = 89' 31' 29"
 R = 64.00'
 T = 64.03'
 L = 100.56'
 E = 26.53'
 P.C. STA. = 514+25.52
 P.T. STA. = 515+26.08

PROP. CURVE-5
 PI STA. = 515+90.18
 $\Delta = 28^\circ 51' 29''$ (RT)
 D = 23' 00' 01"
 R = 249.11'
 T = 64.09'
 L = 125.47'
 E = 8.11'
 P.C. STA. = 515+26.08
 P.T. STA. = 516+51.55

PROP. CURVE-6
 PI STA. = 517+27.68
 $\Delta = 29^\circ 13' 44''$ (LT)
 D = 19' 37' 25"
 R = 291.97'
 T = 76.13'
 L = 148.95'
 E = 9.76'
 P.C. STA. = 516+51.55
 P.T. STA. = 518+00.50

PROP. CURVE-7
 PI STA. = 519+46.48
 $\Delta = 6^\circ 15' 04''$ (RT)
 D = 10' 00' 00"
 R = 572.96'
 T = 31.29'
 L = 62.51'
 E = 0.85'
 P.C. STA. = 519+15.20
 P.T. STA. = 519+77.71

PROP. CURVE-8
 PI STA. = 520+61.93
 $\Delta = 7^\circ 12' 57''$ (LT)
 D = 19' 05' 55"
 R = 300.00'
 T = 18.92'
 L = 37.78'
 E = 0.60'
 P.C. STA. = 520+43.02
 P.T. STA. = 520+80.80

PROP. CURVE-9
 PI STA. = 521+71.96
 $\Delta = 80^\circ 31' 16''$ (RT)
 D = 114' 35' 30"
 R = 50.00'
 T = 42.34'
 L = 70.27'
 E = 15.52'
 P.C. STA. = 521+29.62
 P.T. STA. = 521+99.89

PROP. CURVE-10
 PI STA. = 523+24.42
 $\Delta = 97^\circ 51' 56''$ (RT)
 D = 114' 35' 30"
 R = 50.00'
 T = 57.38'
 L = 84.40'
 E = 26.11'
 P.C. STA. = 522+67.03
 P.T. STA. = 523+51.46

PROP. CURVE-11
 PI STA. = 532+20.40
 $\Delta = 3^\circ 36' 36''$ (RT)
 D = 1' 35' 30"
 R = 3,600.00'
 L = 226.82'
 E = 1.79'
 P.C. STA. = 531+06.95
 P.T. STA. = 533+33.77

PROP. CURVE-12
 PI STA. = 534+01.34
 $\Delta = 43^\circ 21' 07''$ (LT)
 D = 33' 42' 12"
 R = 170.00'
 T = 67.57'
 L = 128.63'
 E = 12.94'
 P.C. STA. = 533+33.77
 P.T. STA. = 534+62.40

PROP. CURVE-13
 PI STA. = 536+61.76
 $\Delta = 49^\circ 51' 02''$ (LT)
 D = 52' 05' 13"
 R = 110.00'
 T = 51.12'
 L = 95.71'
 E = 11.30'
 P.C. STA. = 536+10.64
 P.T. STA. = 537+06.35

PROP. CURVE-14
 PI STA. = 538+04.93
 $\Delta = 30^\circ 21' 29''$ (LT)
 D = 20' 50' 05"
 R = 275.00'
 T = 74.61'
 L = 145.71'
 E = 9.94'
 P.C. STA. = 537+30.32
 P.T. STA. = 538+76.03

PROP. CURVE-15
 PI STA. = 539+04.16
 $\Delta = 31^\circ 25' 51''$ (RT)
 D = 57' 17' 45"
 R = 100.00'
 T = 28.14'
 L = 54.86'
 E = 3.88'
 P.C. STA. = 538+76.03
 P.T. STA. = 539+30.88

PROP. CURVE-16
 PI STA. = 541+07.41
 $\Delta = 5^\circ 04' 02''$ (RT)
 D = 11' 27' 33"
 R = 500.00'
 T = 22.12'
 L = 44.22'
 E = 0.49'
 P.C. STA. = 540+85.29
 P.T. STA. = 541+29.51

PROP. CURVE-17
 PI STA. = 541+51.63
 $\Delta = 5^\circ 04' 02''$ (LT)
 D = 11' 27' 33"
 R = 500.00'
 T = 22.12'
 L = 44.22'
 E = 0.49'
 P.C. STA. = 541+29.51
 P.T. STA. = 541+73.73

PROP. CURVE-18
 PI STA. = 541+99.00
 $\Delta = 3^\circ 53' 16''$ (LT)
 D = 19' 05' 55"
 R = 300.00'
 T = 10.18'
 L = 20.36'
 E = 0.17'
 P.C. STA. = 541+88.82
 P.T. STA. = 542+09.17

PROP. CURVE-19
 PI STA. = 542+19.35
 $\Delta = 3^\circ 53' 16''$ (RT)
 D = 19' 05' 55"
 R = 300.00'
 T = 10.18'
 L = 20.36'
 E = 0.17'
 P.C. STA. = 542+09.17
 P.T. STA. = 542+29.53

PROP. CURVE-20
 PI STA. = 542+90.09
 $\Delta = 5^\circ 00' 43''$ (RT)
 D = 22' 55' 06"
 R = 250.00'
 T = 10.94'
 L = 21.87'
 E = 0.24'
 P.C. STA. = 542+79.15
 P.T. STA. = 543+01.02

PROP. CURVE-21
 PI STA. = 543+11.84
 $\Delta = 4^\circ 57' 34''$ (LT)
 D = 22' 55' 06"
 R = 250.00'
 T = 10.83'
 L = 21.64'
 E = 0.23'
 P.C. STA. = 543+01.02
 P.T. STA. = 543+22.66

PROP. CURVE-22
 PI STA. = 606+24.58
 $\Delta = 20^\circ 06' 47''$ (RT)
 D = 57' 17' 45"
 R = 100.00'
 T = 17.73'
 L = 35.10'
 E = 1.56'
 P.C. STA. = 606+06.85
 P.T. STA. = 606+41.95

PROP. CURVE-23
 PI STA. = 606+62.56
 $\Delta = 44^\circ 48' 39''$ (LT)
 D = 114' 35' 30"
 R = 50.00'
 T = 20.61'
 L = 39.10'
 E = 4.08'
 P.C. STA. = 606+41.95
 P.T. STA. = 606+81.06

PROP. CURVE-24
 PI STA. = 606+92.00
 $\Delta = 24^\circ 41' 52''$ (RT)
 D = 114' 35' 30"
 R = 50.00'
 T = 10.95'
 L = 21.55'
 E = 1.18'
 P.C. STA. = 606+81.06
 P.T. STA. = 607+02.61



FILE NAME = P:\Blue Island\25367145_Cal-Sag\Trail\Phase 2\Roadway\Riverdale\General\Alignment & ties.dgn



USER NAME = ken_moj	DESIGNED - KLM	REVISED -
PLOT SCALE = 245.3382' / in.	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016 9:54:38 AM	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 ALIGNMENT INFORMATION**

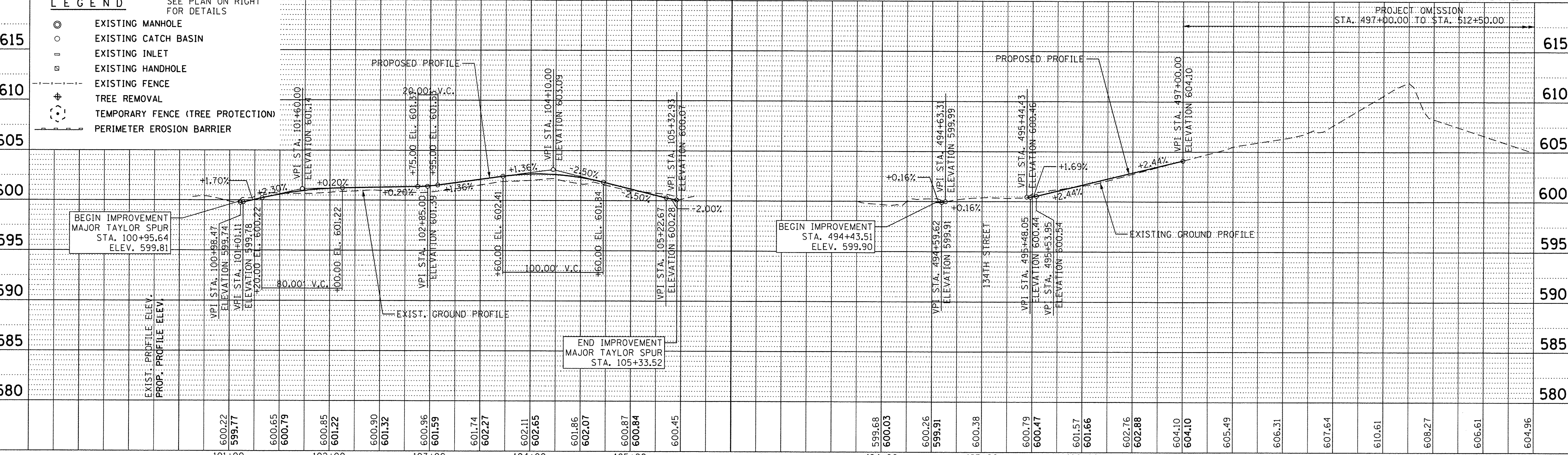
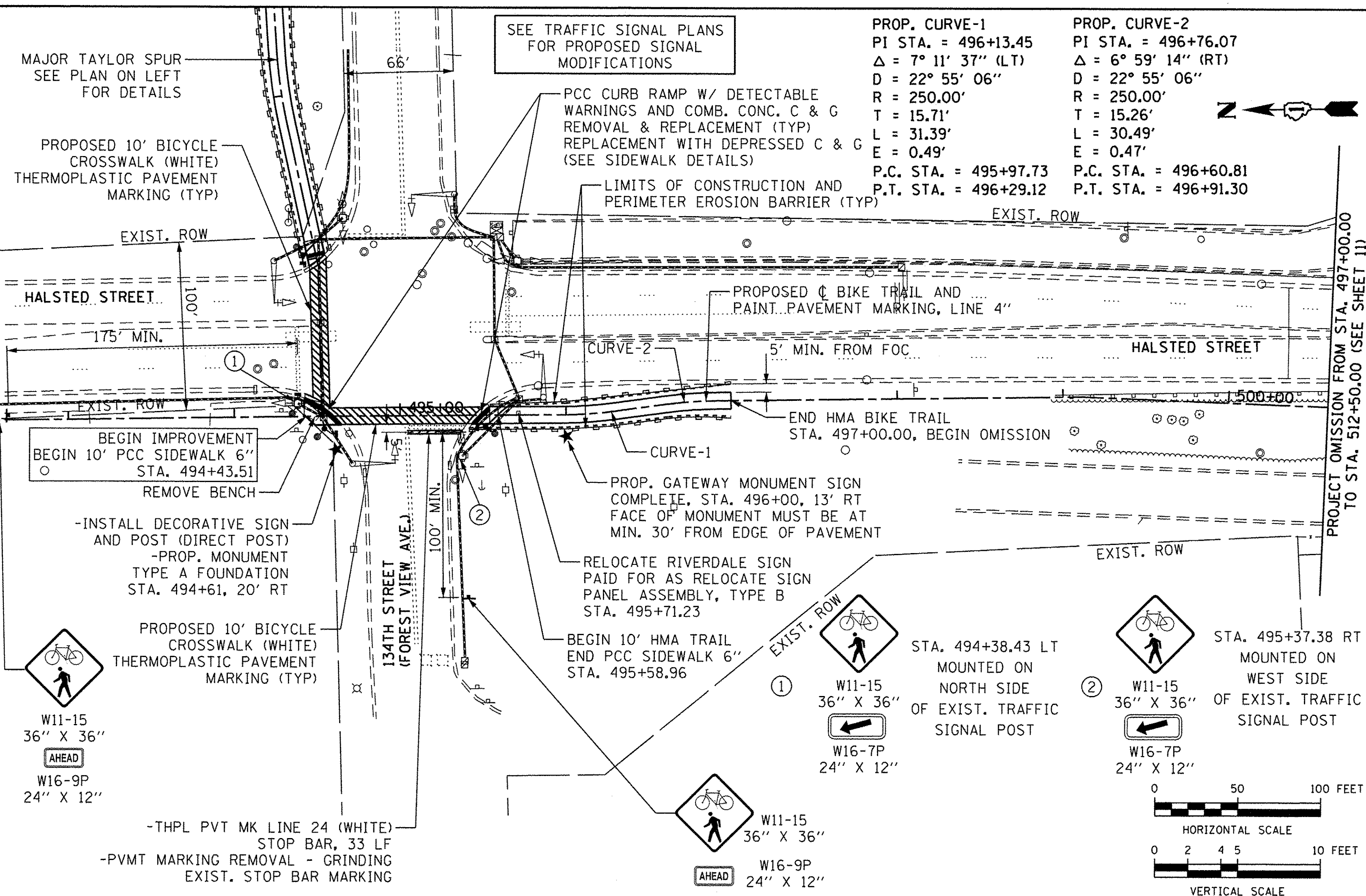
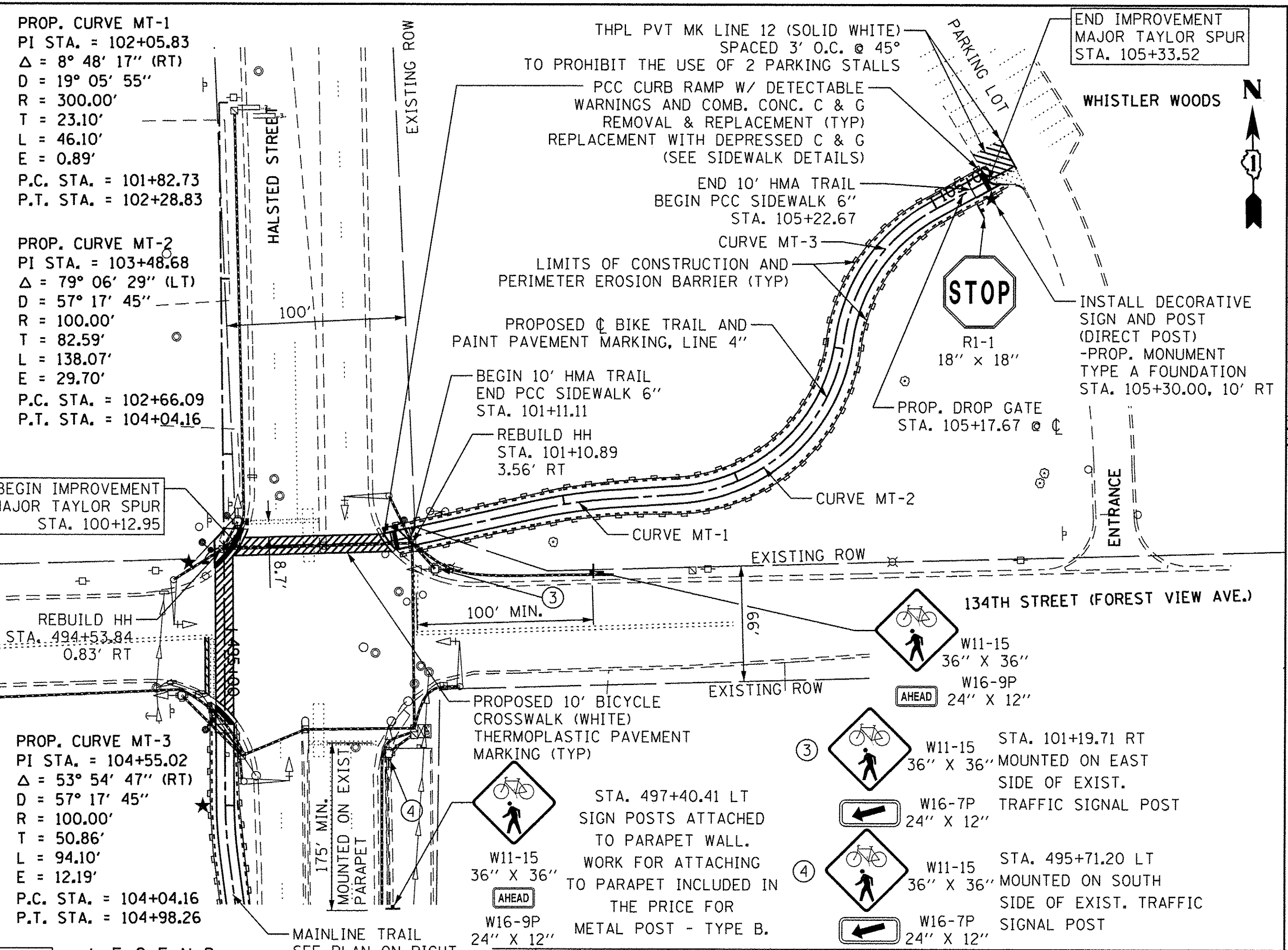
SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	9
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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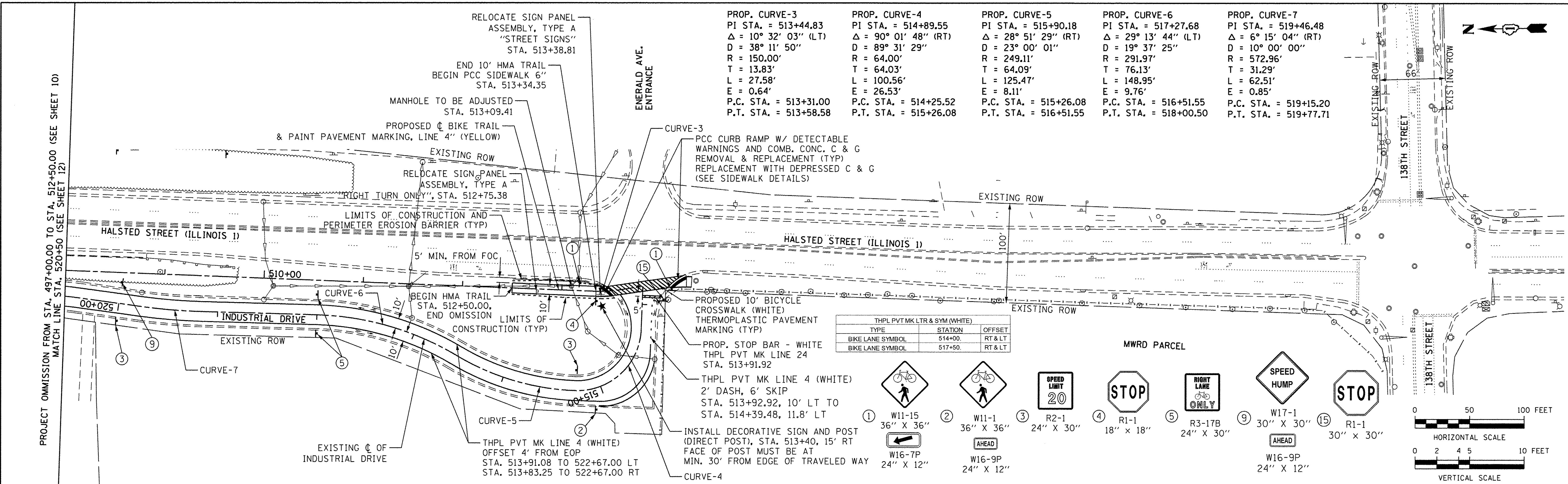


AECOM 303 East Wacker Drive, Suite 1400, Chicago, IL 60601 T 1-312-373-7700 F 1-312-373-6800	USER NAME = ken_moy DESIGNED - KLM DRAWN - KLM CHECKED - BMC PLOT DATE = 5/24/2016	DESIGNED - KLM DRAWN - KLM CHECKED - BMC DATE - MAY 23, 2016	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT) PLAN AND PROFILE	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 15-00131-00-BT COOK 51 10 CONTRACT NO. 61C73
	SCALE: 1" = 50' SHEET NO. 1 OF 9 SHEETS STA. 494+00 TO STA. 500+90	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

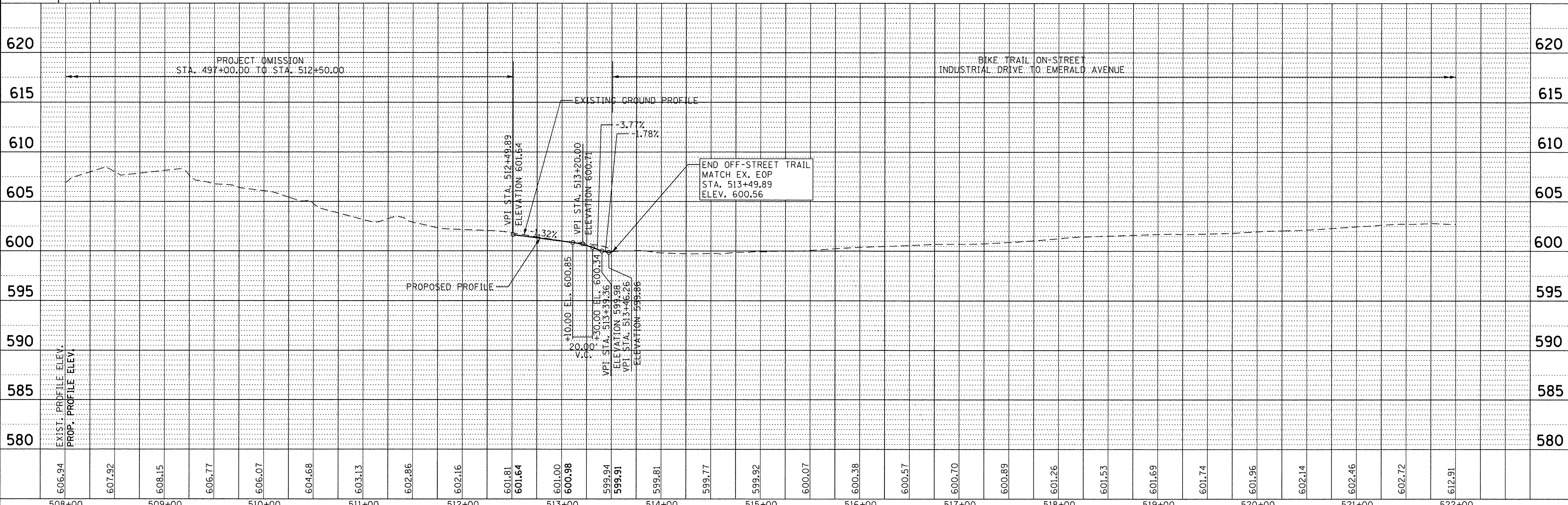
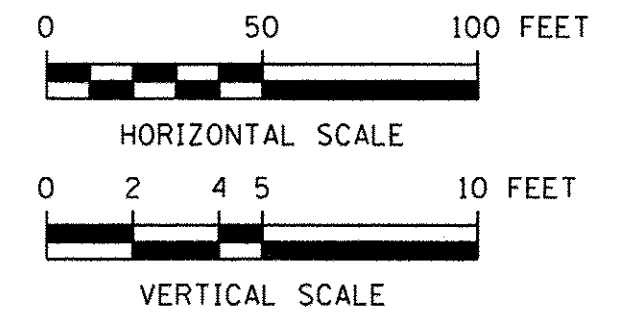
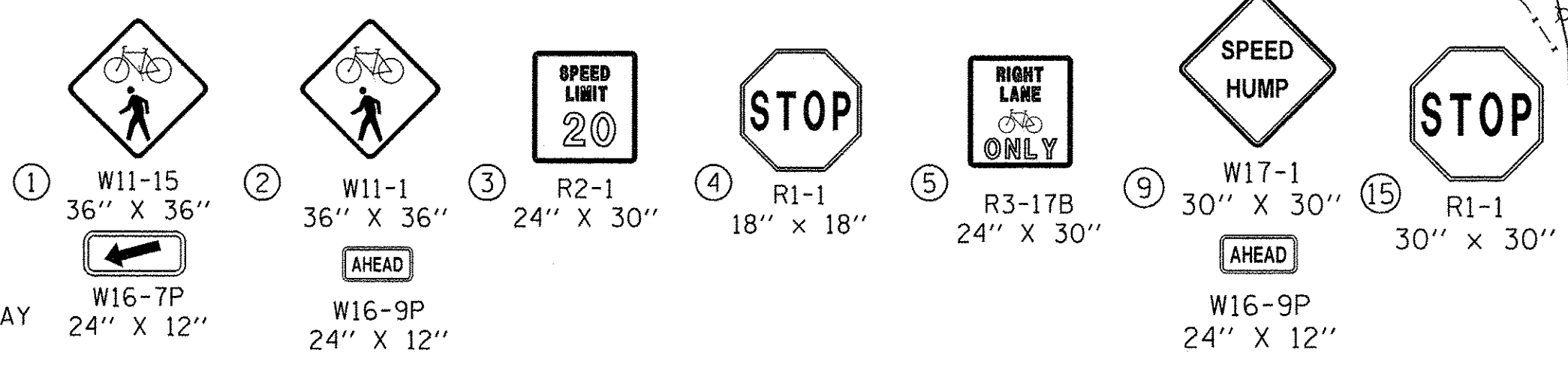
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FILE NAME: P:\Blue Island_25367145_Col-Sag-Trail\Phase 2\Roadway\Riverdale\PlanProfile\15-00131-00-BT.dgn



TYPE	STATION	OFFSET
BIKE LANE SYMBOL	514+00.	RT & LT
BIKE LANE SYMBOL	517+50.	RT & LT



USER NAME = ken_moy	DESIGNED - KLM	REVISED -
PLLOT SCALE = 49.0676' / 1"	DRAWN - KLM	REVISED -
PLLOT DATE = 5/24/2016	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

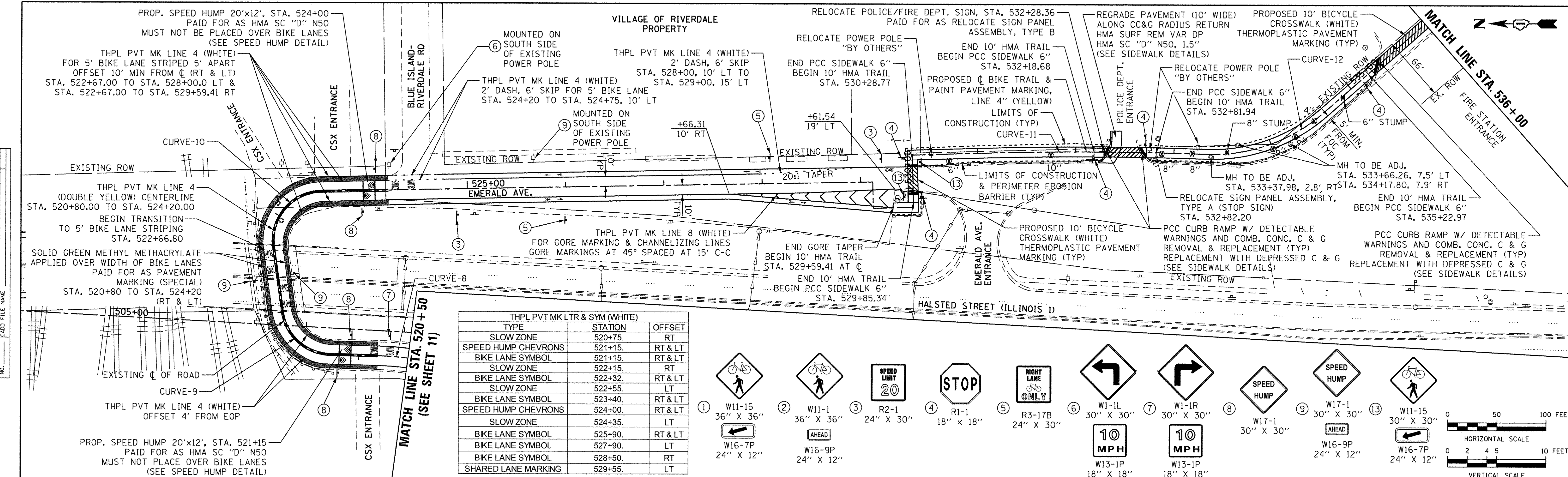
**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
PLAN AND PROFILE**

SCALE: 1" = 50' SHEET NO. 2 OF 7 SHEETS STA. 508+00 TO STA. 520+50

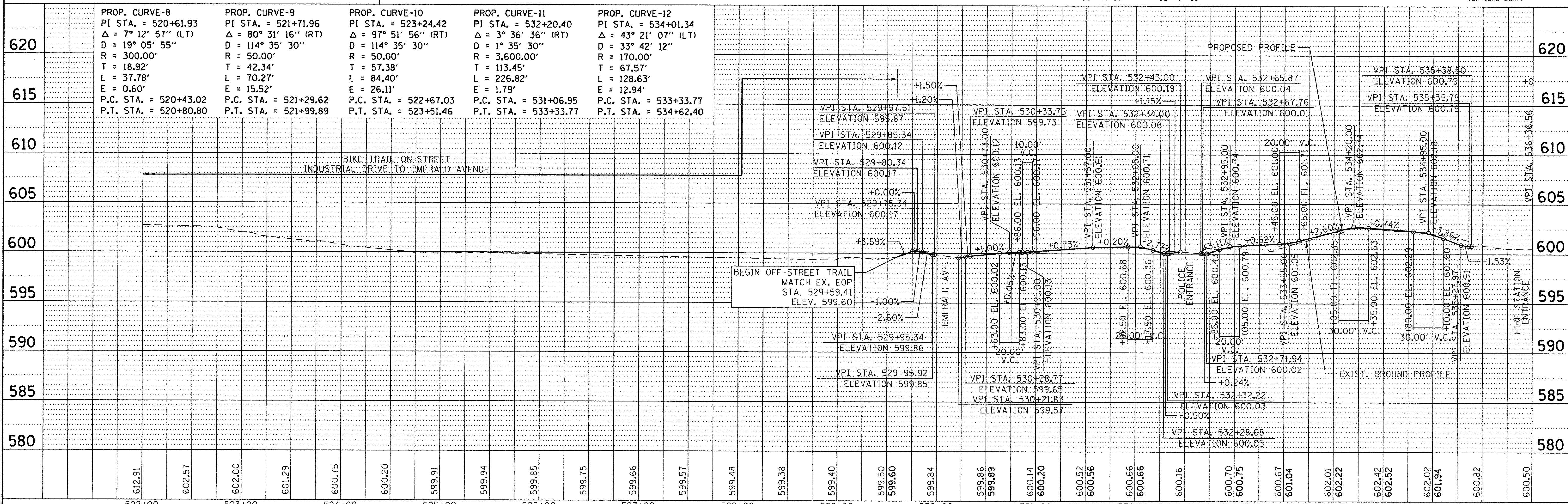
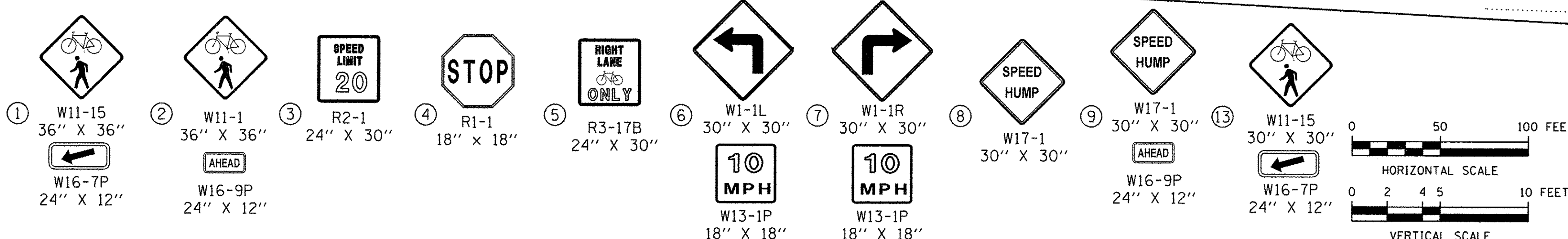
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	11
CONTRACT NO. 61C73				

DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
RT. OF WAY	
NO.	
NO.	
NO.	

DATE	
BY	
PLOTTED	
GRADES	
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BLM	
NOTED	
STRUCTURE	
NOTATIONS	
CHKD	
NO.	
NO.	



THPL PVT MK LTR & SYM (WHITE)		
TYPE	STATION	OFFSET
SLOW ZONE	520+75	RT
SPEED HUMP CHEVRONS	521+15	RT & LT
BIKE LANE SYMBOL	521+15	RT & LT
SLOW ZONE	522+15	RT
BIKE LANE SYMBOL	522+32	RT & LT
SLOW ZONE	522+55	LT
BIKE LANE SYMBOL	523+40	RT & LT
SPEED HUMP CHEVRONS	524+00	RT & LT
SLOW ZONE	524+35	LT
BIKE LANE SYMBOL	525+90	RT & LT
BIKE LANE SYMBOL	527+90	LT
BIKE LANE SYMBOL	528+50	RT
SHARED LANE MARKING	529+55	LT



USER NAME = ken_maj	DESIGNED - KLM	REVISED -
PLLOT SCALE = 49.0676' / in.	DRAWN - KLM	REVISED -
PLLOT DATE = 5/24/2016	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

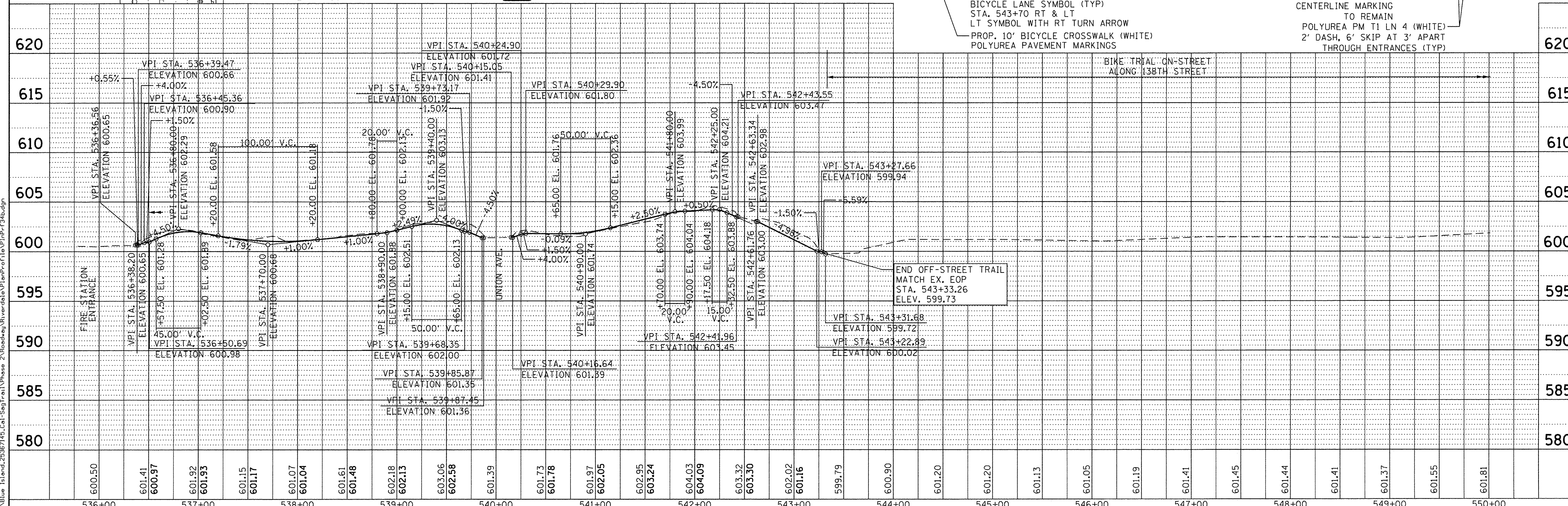
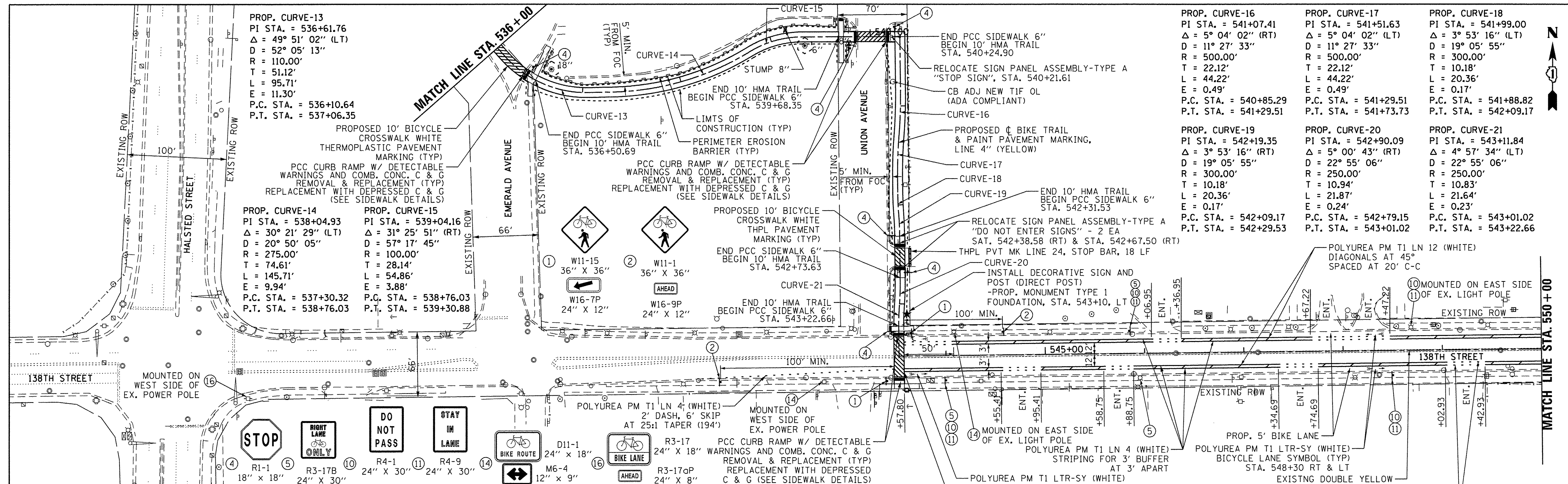
CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
PLAN AND PROFILE

SCALE: 1" = 50'
SHEET NO. 3 OF 9 SHEETS
STA. 520+50 TO STA. 536+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	12
CONTRACT NO. 61C73				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
APPROVED	
PLANNING	
DESIGN	
CONSTRUCTION	
NO. _____	
FILE NAME	

DATE	
BY	
APPROVED	
PLANNING	
DESIGN	
CONSTRUCTION	
NO. _____	
FILE NAME	



AECOM
 303 East Wacker Drive, Suite 1400, Chicago, IL 60601
 T 1-312-373-7700 F 1-312-373-8800

USER NAME = ken_moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 49.0676' / in.	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

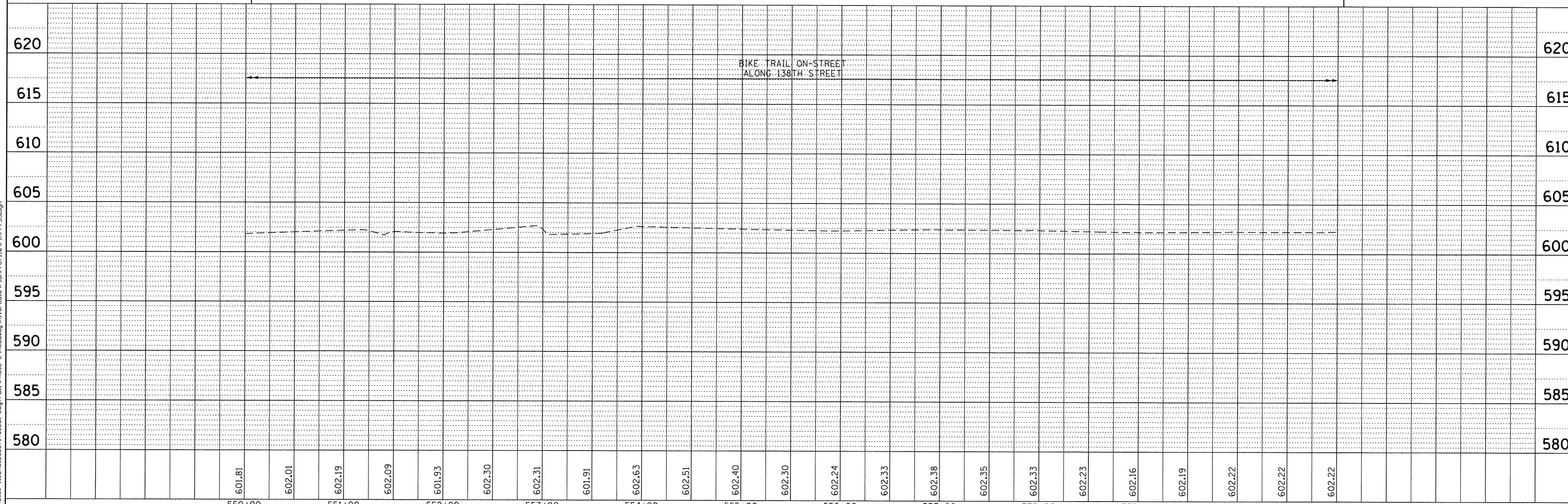
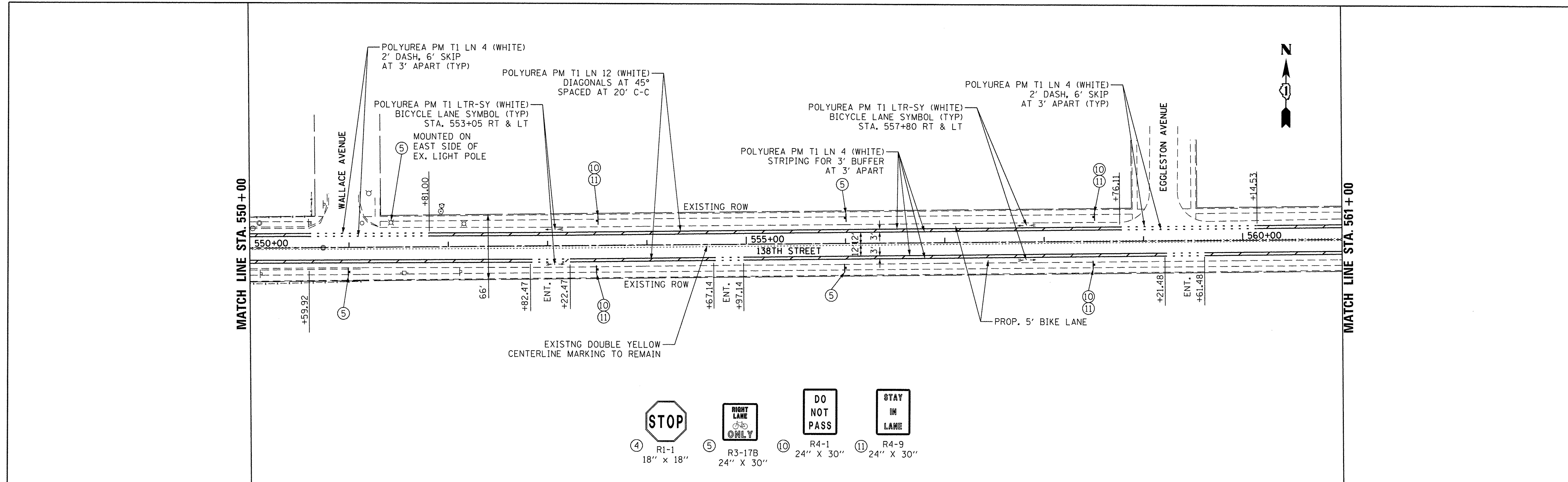
**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 PLAN AND PROFILE**

SCALE: 1" = 50' SHEET NO. 4 OF 9 SHEETS STA. 536+00 TO STA. 550+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	13
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 61C73		

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	
	DATE	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	
	DATE	



601.81	602.01	602.19	602.09	601.93	602.30	602.31	601.91	602.63	602.51	602.40	602.30	602.24	602.33	602.38	602.35	602.33	602.23	602.16	602.19	602.22	602.22	602.22
550+00	551+00	552+00	553+00	554+00	555+00	556+00	557+00	558+00	559+00	560+00	561+00											



USER NAME = ken_moy
 DESIGNED - KLM
 DRAWN - KLM
 CHECKED - BMC
 PLOT DATE = 5/24/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

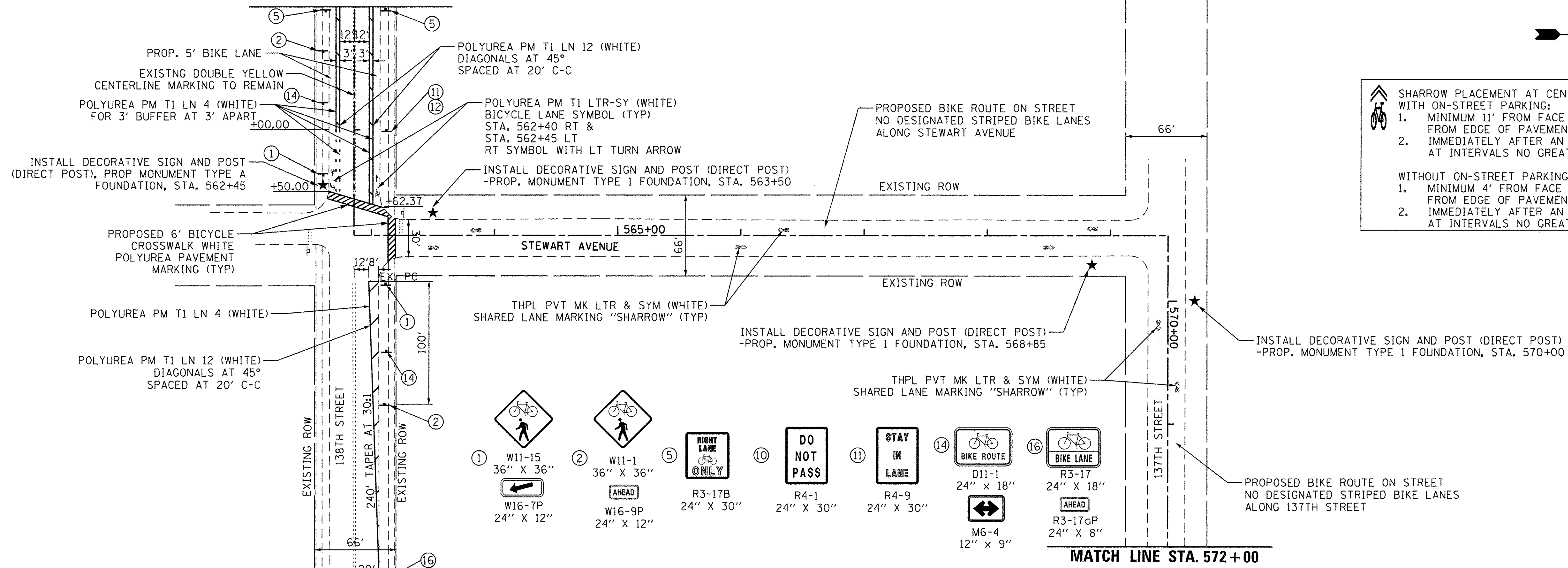
CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 PLAN AND PROFILE

SCALE: 1" = 50' SHEET NO. 5 OF 9 SHEETS STA. 550+00 TO STA. 561+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	14
CONTRACT NO. 61C73				



MATCH LINE STA. 561+00



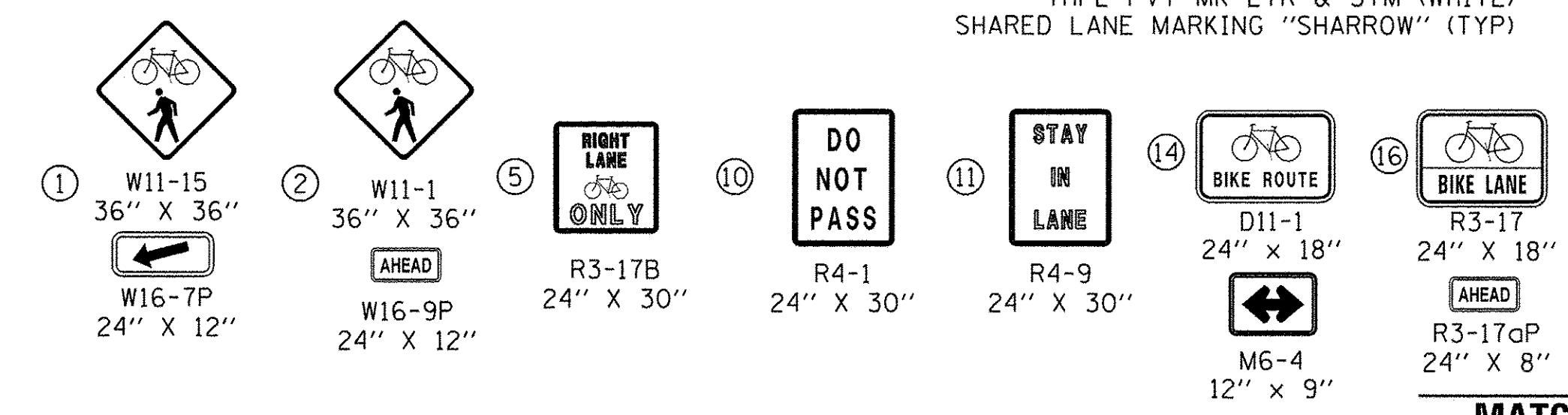
SHARROW PLACEMENT AT CENTER OF MARKINGS:

WITH ON-STREET PARKING:

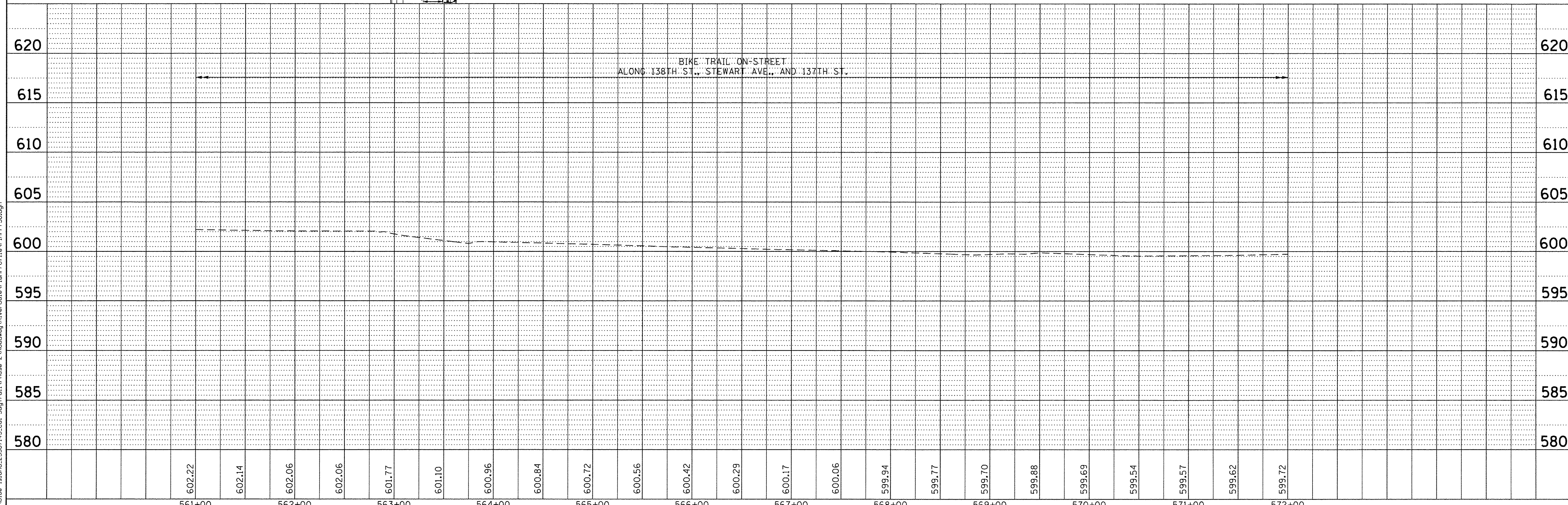
1. MINIMUM 11' FROM FACE OF CURB OR FROM EDGE OF PAVEMENT IF NO CURB PRESENT
2. IMMEDIATELY AFTER AN INTERSECTION & SPACED AT INTERVALS NO GREATER THAN 250' AFTER.

WITHOUT ON-STREET PARKING:

1. MINIMUM 4' FROM FACE OF CURB OR FROM EDGE OF PAVEMENT IF NO CURB PRESENT
2. IMMEDIATELY AFTER AN INTERSECTION & SPACED AT INTERVALS NO GREATER THAN 250' AFTER.



MATCH LINE STA. 572+00



DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
CHECKED	
RT. OF WAY	
NO.	
CADD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
CHECKED	
STRUCTURE	
NOTATIONS	
CHKD	
NO.	
CADD FILE NAME	

FILE NAME: P:\Blue Island\25367145-Cal-Sag Trail\Phase 2\Roadway\Riverdale\Profile\15-00131-00-BT.dgn



USER NAME = ken_moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 49.0676' / 1in.	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)			
PLAN AND PROFILE			
SCALE: 1" = 50'	SHEET NO. 6 OF 9 SHEETS	STA. 561+00 TO STA. 572+00	

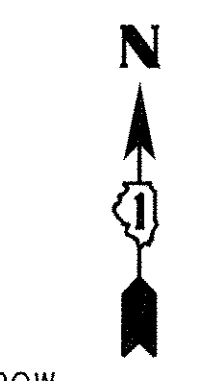
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	15
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61C73	

SHARROW PLACEMENT AT CENTER OF MARKINGS:
WITH ON-STREET PARKING:
1. MINIMUM 11' FROM FACE OF CURB OR FROM EDGE OF PAVEMENT IF NO CURB PRESENT
2. IMMEDIATELY AFTER AN INTERSECTION & SPACED AT INTERVALS NO GREATER THAN 250' AFTER.

WITHOUT ON-STREET PARKING:
1. MINIMUM 4' FROM FACE OF CURB OR FROM EDGE OF PAVEMENT IF NO CURB PRESENT
2. IMMEDIATELY AFTER AN INTERSECTION & SPACED AT INTERVALS NO GREATER THAN 250' AFTER.

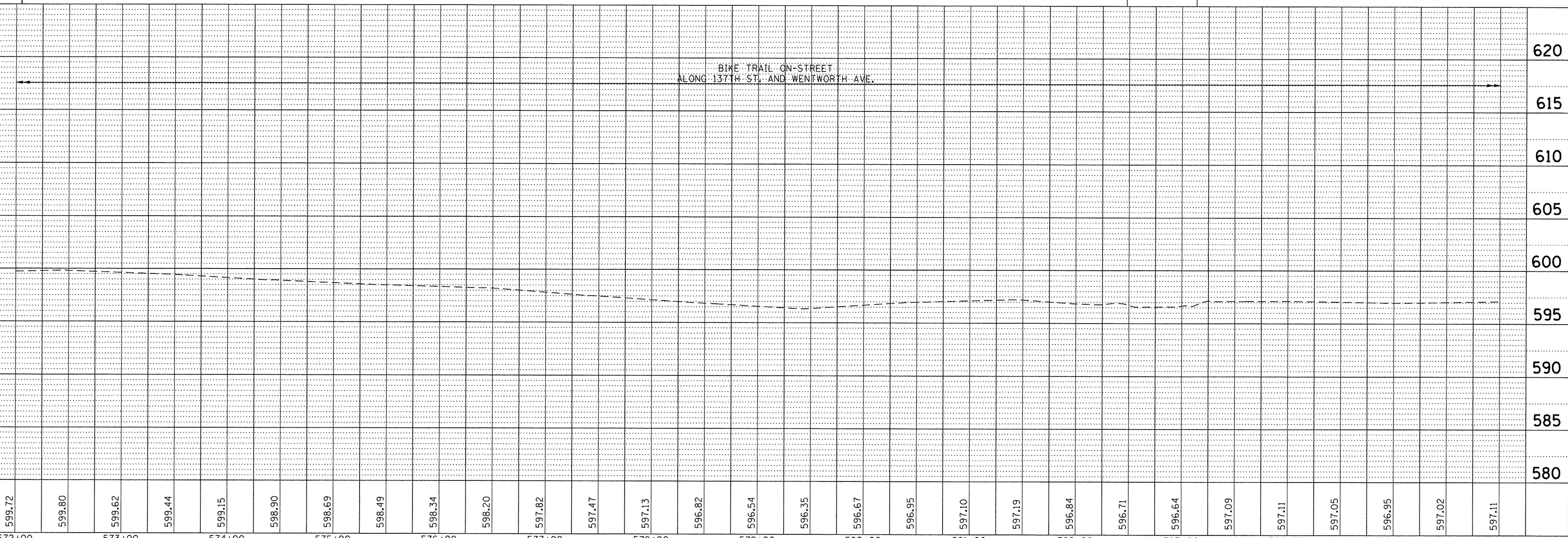
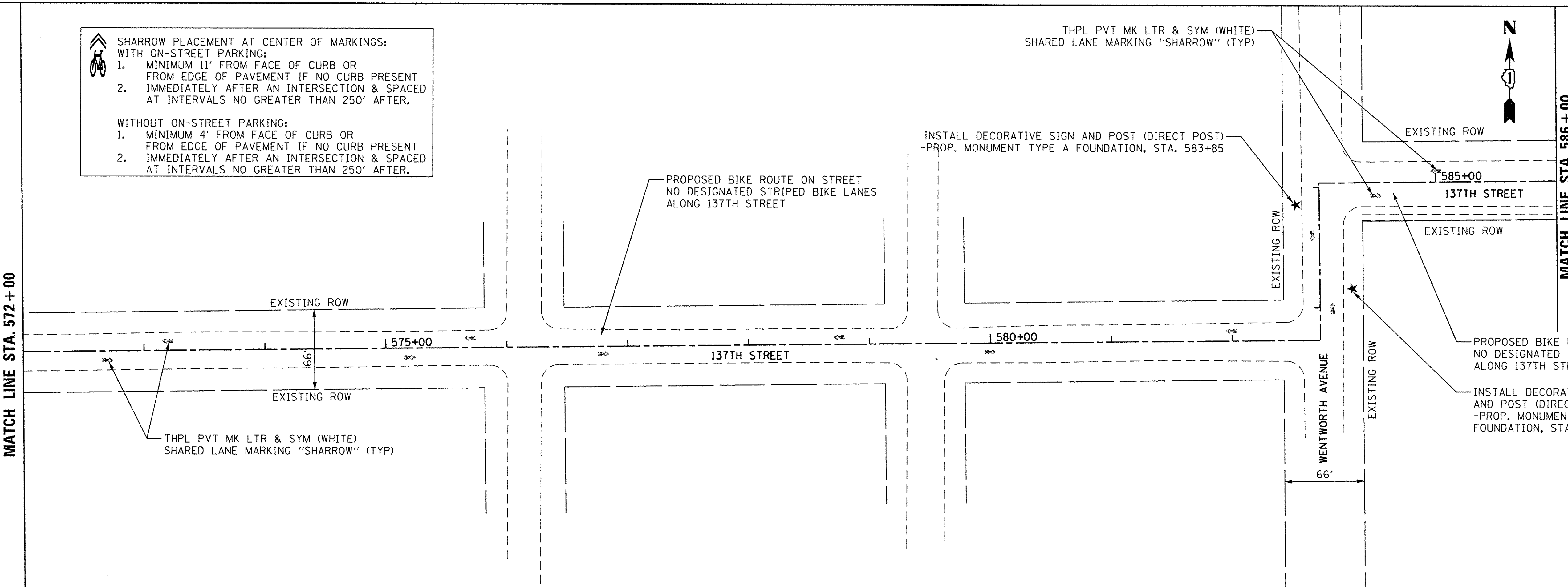
THPL PVT MK LTR & SYM (WHITE)
SHARED LANE MARKING "SHARROW" (TYP)

INSTALL DECORATIVE SIGN AND POST (DIRECT POST)
-PROP. MONUMENT TYPE A FOUNDATION, STA. 583+85



MATCH LINE STA. 572 + 00

MATCH LINE STA. 586 + 00



PLAN	DATE
NO.	
NOTE BOOK	
NO.	
CHECKED	
BY	
DATE	

PROFILE	DATE
NO.	
CHECKED	
BY	
DATE	

FILE NAME: P:\Blue_Island\25367145_Cal-Sag\Trail\Phase 2\Roadway\Riverdale\Profile\Profile-137.dgn



USER NAME = ken_moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 49,0676' / 1in.	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

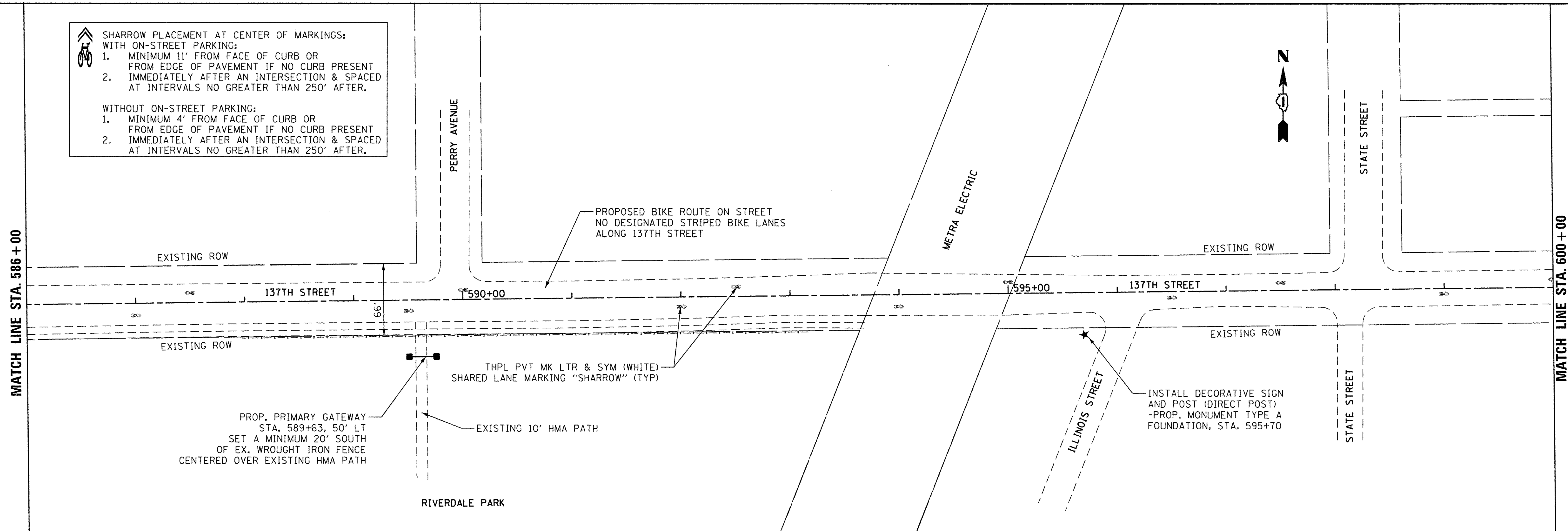
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)	
PLAN AND PROFILE	
SCALE: 1" = 50'	SHEET NO. 7 OF 9 SHEETS
STA. 572+00 TO STA. 586+00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	16
CONTRACT NO. 61C73				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

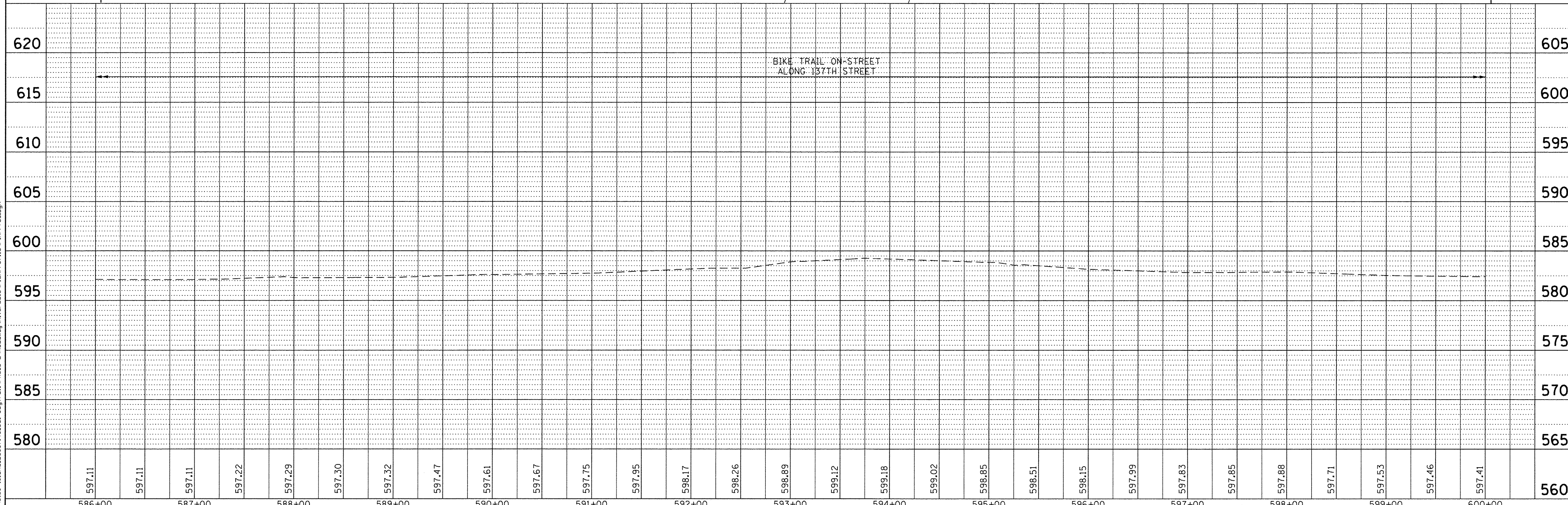
SHARROW PLACEMENT AT CENTER OF MARKINGS:
 WITH ON-STREET PARKING:
 1. MINIMUM 11' FROM FACE OF CURB OR FROM EDGE OF PAVEMENT IF NO CURB PRESENT
 2. IMMEDIATELY AFTER AN INTERSECTION & SPACED AT INTERVALS NO GREATER THAN 250' AFTER.

WITHOUT ON-STREET PARKING:
 1. MINIMUM 4' FROM FACE OF CURB OR FROM EDGE OF PAVEMENT IF NO CURB PRESENT
 2. IMMEDIATELY AFTER AN INTERSECTION & SPACED AT INTERVALS NO GREATER THAN 250' AFTER.



DATE	
BY	
PLAN	
SURVEYED	
DESIGNED	
CHECKED	
DATE	
NO.	
PAID FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
DESIGNED	
CHECKED	
DATE	
NO.	
STRUCTURE NOTATION CHKD	



AECOM
 303 East Wacker Drive, Suite 1400, Chicago, IL 60601
 T 1-312-373-7700 F 1-312-373-8800

USER NAME = ken_moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 49.0676' / 1"	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 PLAN AND PROFILE**

SCALE: 1" = 50' SHEET NO. 8 OF 9 SHEETS STA. 586+00 TO STA. 600+00

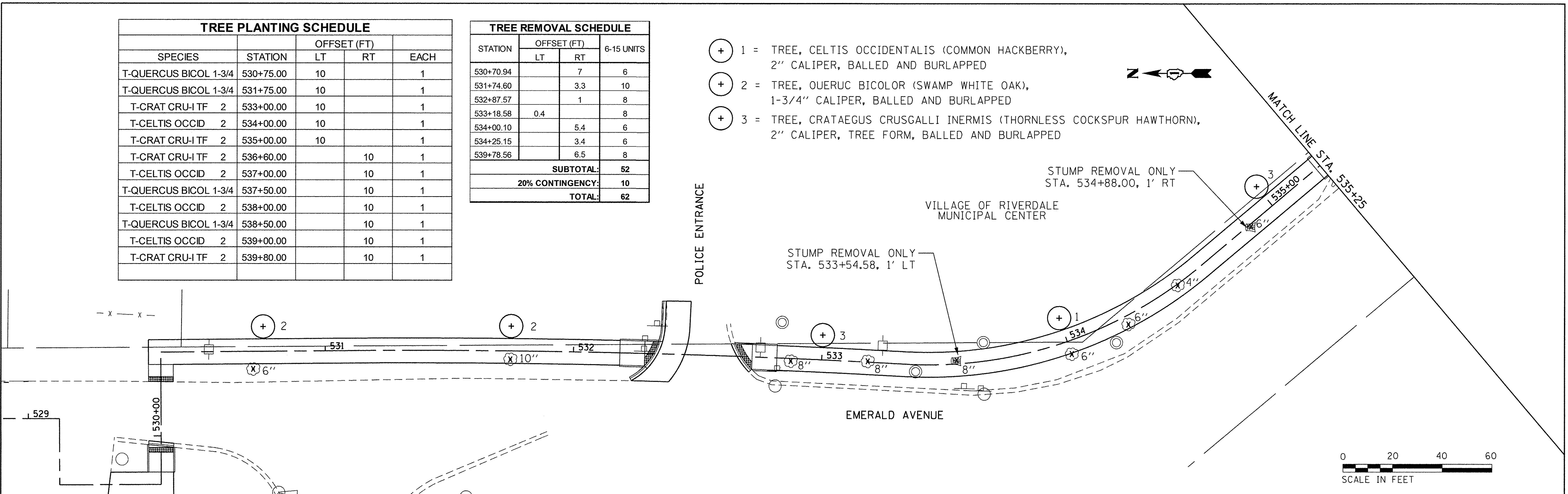
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	17
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 61C73	

FILE NAME: P:\Blue Island\26367145_Cal-Sag\Trail\Phase 2\Roadway\Riverdale\Profile\Profile138.dgn

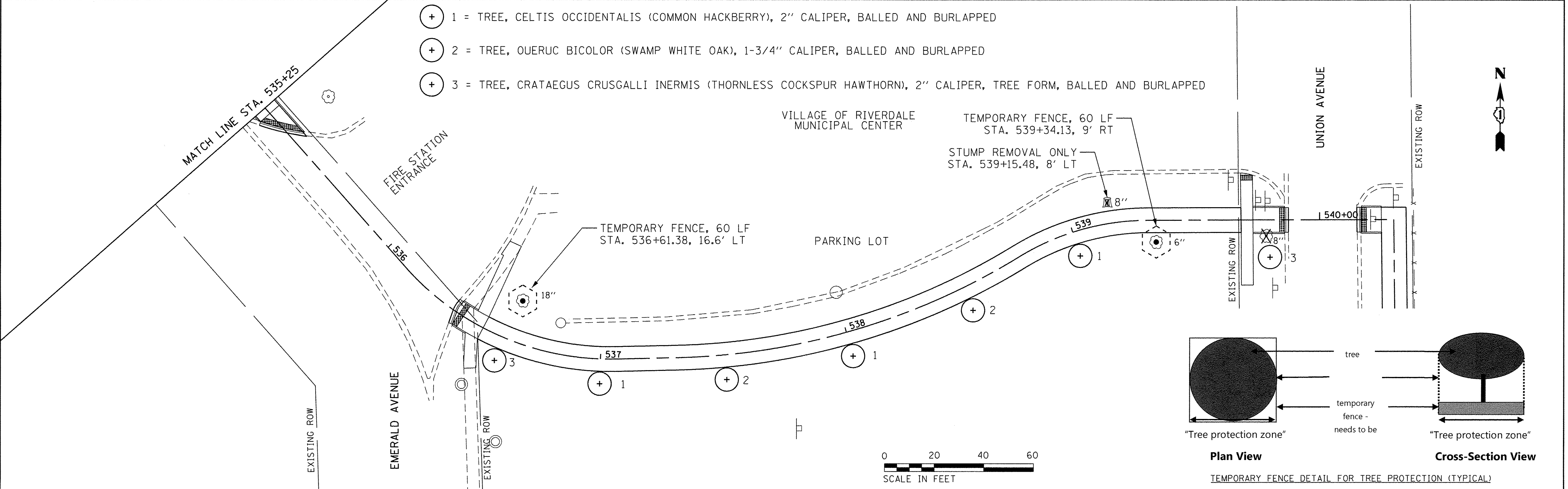
TREE PLANTING SCHEDULE				
SPECIES	STATION	OFFSET (FT)		EACH
		LT	RT	
T-QUERCUS BICOL 1-3/4	530+75.00	10		1
T-QUERCUS BICOL 1-3/4	531+75.00	10		1
T-CRAT CRU-I TF 2	533+00.00	10		1
T-CELTIS OCCID 2	534+00.00	10		1
T-CRAT CRU-I TF 2	535+00.00	10		1
T-CRAT CRU-I TF 2	536+60.00		10	1
T-CELTIS OCCID 2	537+00.00		10	1
T-QUERCUS BICOL 1-3/4	537+50.00		10	1
T-CELTIS OCCID 2	538+00.00		10	1
T-QUERCUS BICOL 1-3/4	538+50.00		10	1
T-CELTIS OCCID 2	539+00.00		10	1
T-CRAT CRU-I TF 2	539+80.00		10	1

TREE REMOVAL SCHEDULE			
STATION	OFFSET (FT)		6-15 UNITS
	LT	RT	
530+70.94		7	6
531+74.60		3.3	10
532+87.57		1	8
533+18.58	0.4		8
534+00.10		5.4	6
534+25.15		3.4	6
539+78.56		6.5	8
SUBTOTAL:			52
20% CONTINGENCY:			10
TOTAL:			62

- (+) 1 = TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED
- (+) 2 = TREE, OUERUC BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED
- (+) 3 = TREE, CRATAEGUS CRUSGALLI INERMIS (THORNLESS COCKSPUR HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

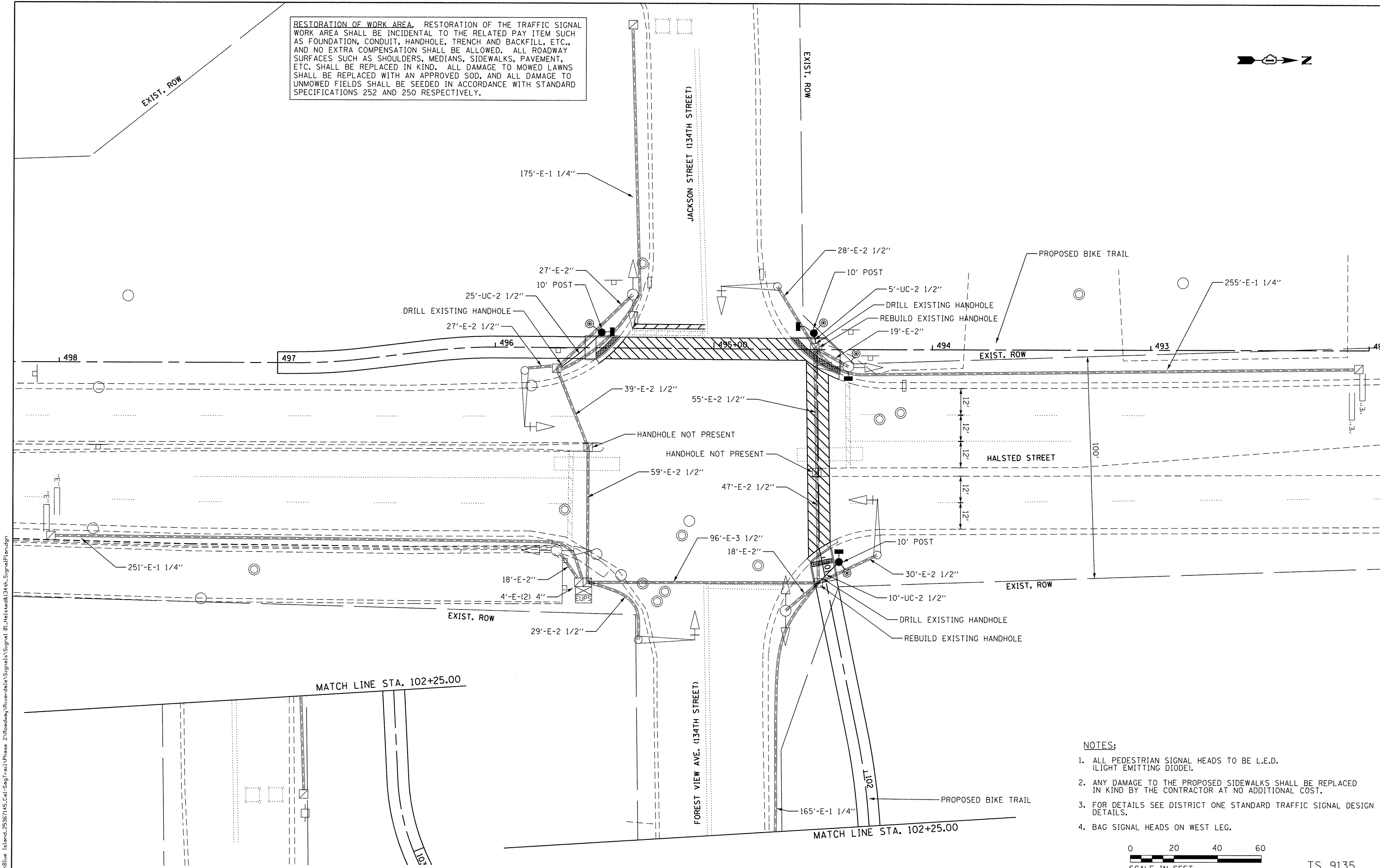


- (+) 1 = TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED
- (+) 2 = TREE, OUERUC BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED
- (+) 3 = TREE, CRATAEGUS CRUSGALLI INERMIS (THORNLESS COCKSPUR HAWTHORN), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED



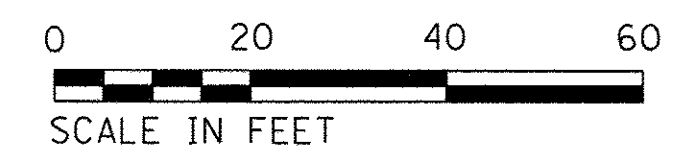
FILE NAME = P:\Blue Island\25367145_Cal-Sag\1-Phase 2\Roadway\Riverdale\Landscaping\Landscaping_01.dgn

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



NOTES:

1. ALL PEDESTRIAN SIGNAL HEADS TO BE L.E.D. (LIGHT EMITTING DIODE).
2. ANY DAMAGE TO THE PROPOSED SIDEWALKS SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST.
3. FOR DETAILS SEE DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS.
4. BAG SIGNAL HEADS ON WEST LEG.



TS 9135

FILE NAME = P:\Blue Island\25367145_Cal-Seg\Trail\Phase 2\Roadway\Riverdale\Signal\01_Halsted&134th_SignalPlan.dgn



USER NAME = ken_moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 1/4" = 1'-0"	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016 9:56:33 AM	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

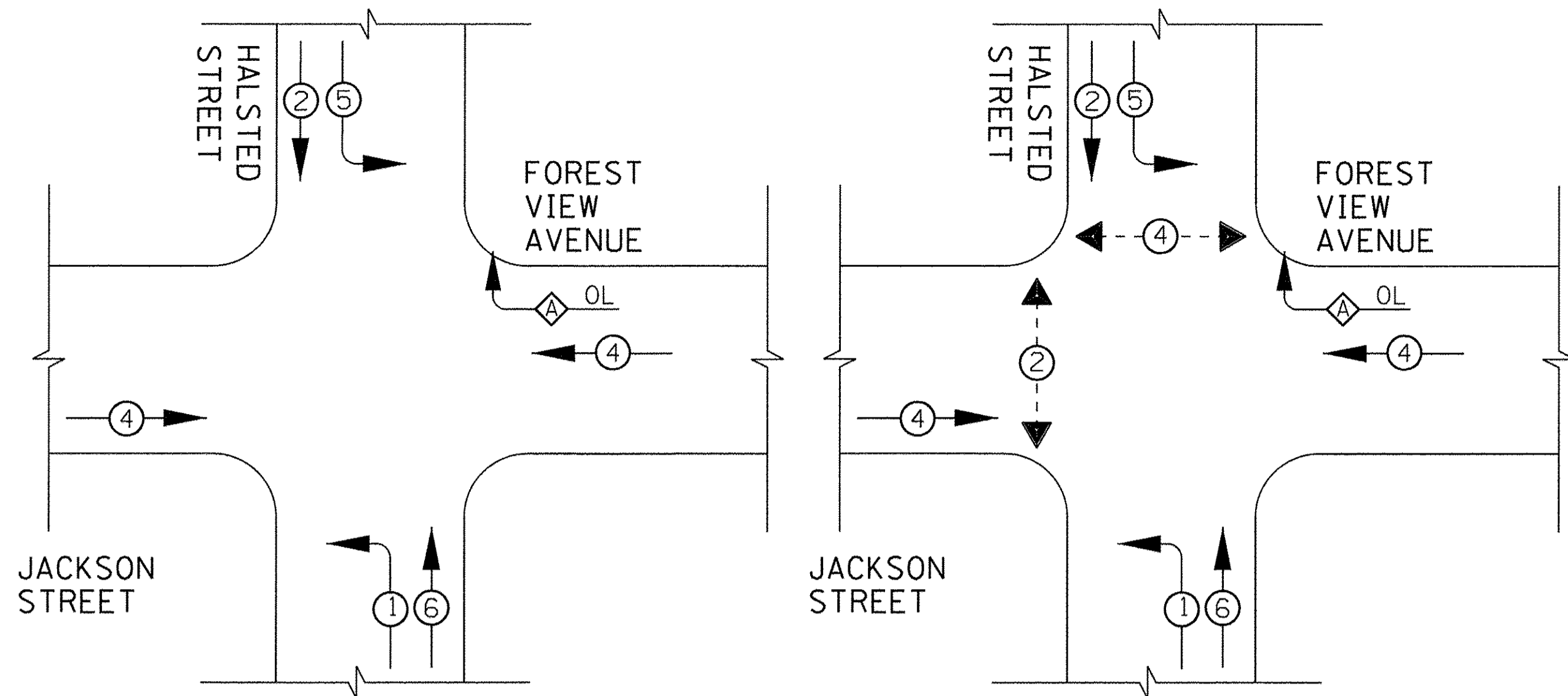
**TRAFFIC SIGNAL MODERNIZATION PLAN
HALSTED STREET AND JACKSON ST/FOREST VIEW AVE.**

SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	20
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

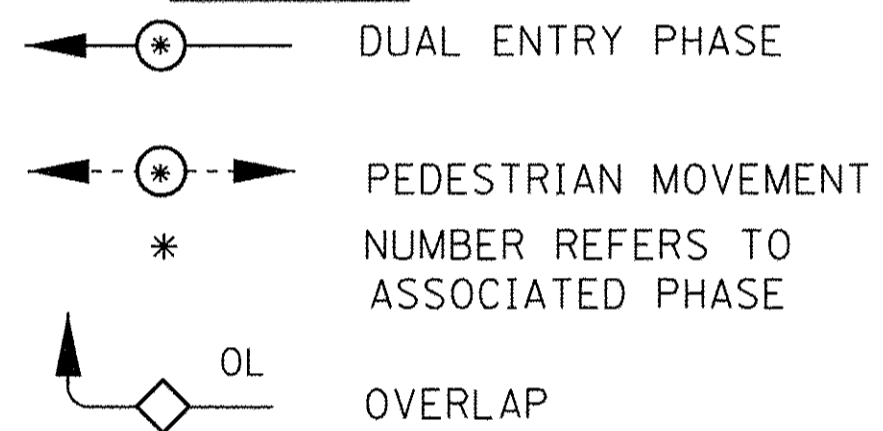
EXISTING CONTROLLER SEQUENCE

PROPOSED CONTROLLER SEQUENCE



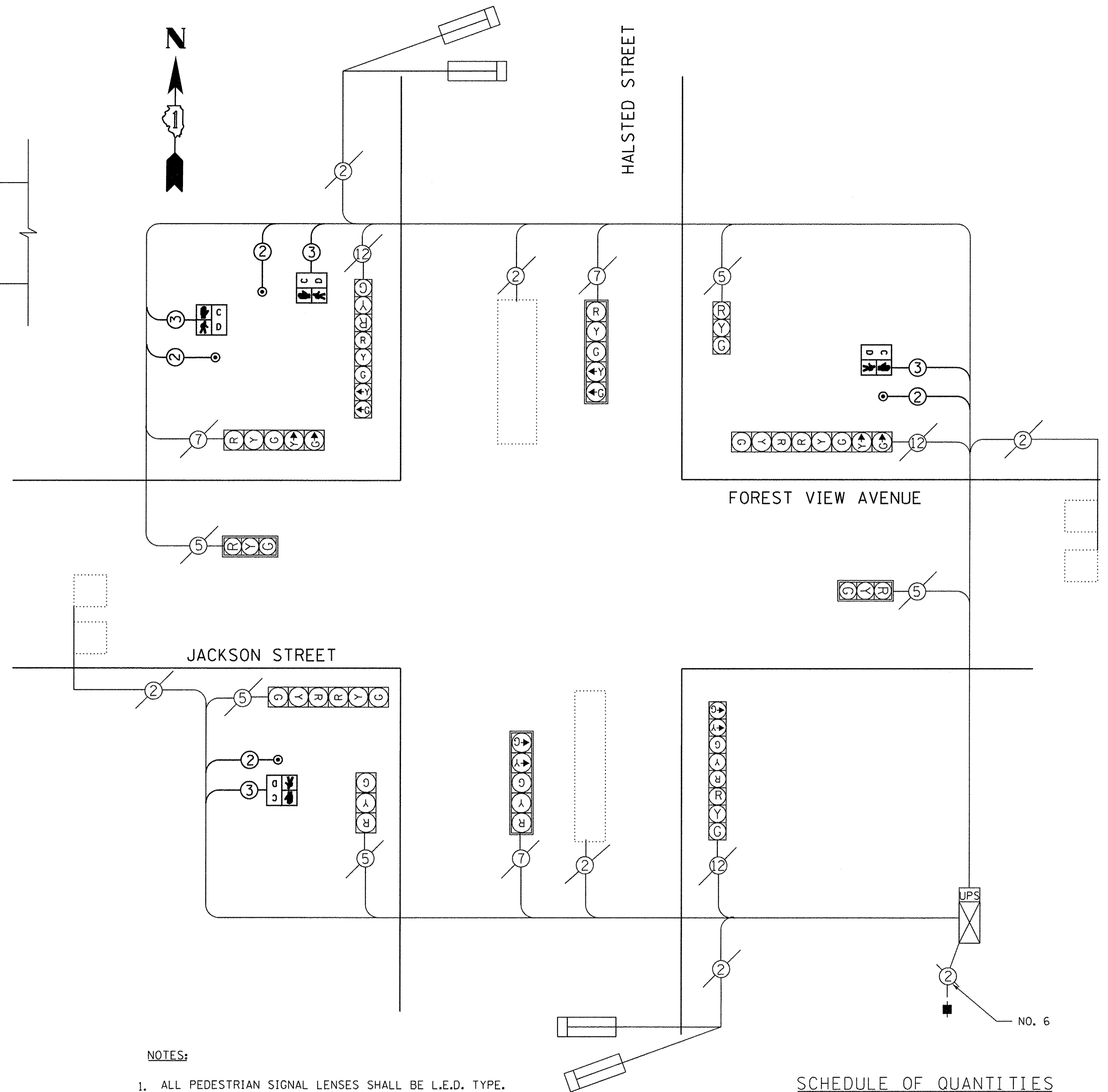
PHASE DESIGNATION DIAGRAM
PROTECTED/PERMITTED LEFT TURN PHASING
WITH RIGHT TURN OVERLAP

LEGEND



RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTIVE PHASE
A	= 4	+ 5



NOTES:

1. ALL PEDESTRIAN SIGNAL LENSES SHALL BE L.E.D. TYPE.

SCHEDULE OF QUANTITIES

PAY ITEM	UNITS	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2"	FOOT	40
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	818
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	846
TRAFFIC SIGNAL POST, 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	4
PEDESTRIAN PUSH-BUTTON	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

TS 9135

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	15	135	17	0.50	127.5
(YELLOW)	15	135	25	0.25	93.75
(GREEN)	15	135	15	0.25	56.25
ARROW	12	135	12	0.10	14.4
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	-	84	-	0.50	-
BATTERY BACKUP	1	25	-	-	25.0
FLASHER LED	-	-	-	0.50	-
ENERGY COSTS TO: VILLAGE OF RIVERDALE 157 W. 144TH STREET RIVERDALE, IL 60827 ENERGY SUPPLY CONTACT: BRAD SHINABARGAR PHONE: (708) 235-2692 COMPANY: COMED					TOTAL = 416.9

NOTE:

EQUIPMENT GROUND CONDUCTOR (GREEN COLOR CODED) SPLICE TO FRAME AND COVER IS REQUIRED FOR ALL HANDHOLES OR DOUBLE HANDHOLES THAT CARRY SIGNAL CABLES AND SERVICE CABLES.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN,
PHASE DESIGNATION DIAGRAM
HALSTED STREET AND JACKSON ST/FOREST VIEW AVE.

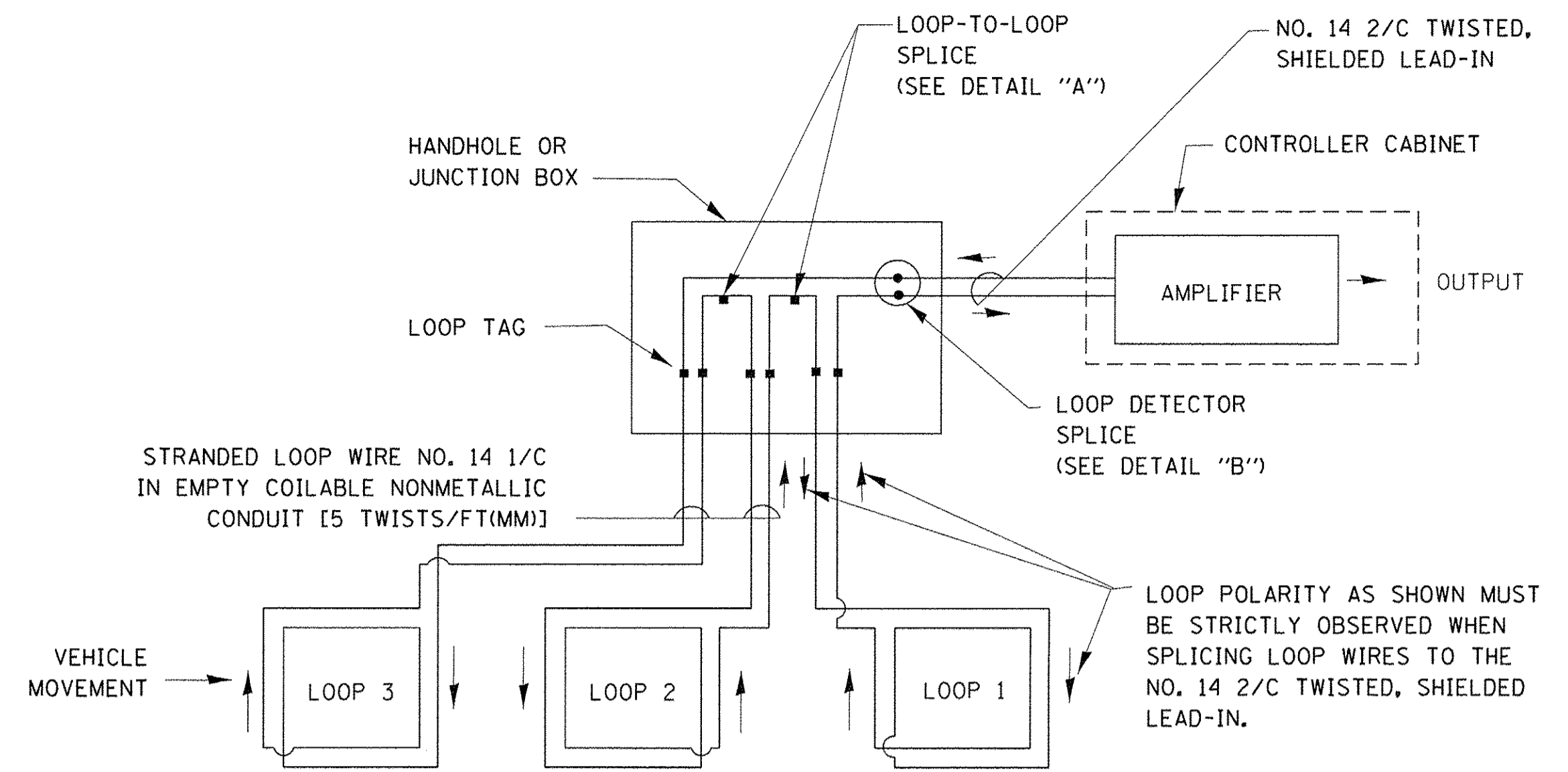
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	21
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			SIGNAL POST AND FOUNDATION TO BE REMOVED			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				QUEUE DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD				PREFORMED QUEUE DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				RAILROAD SYMBOLS			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				RAILROAD CONTROL CABINET			
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				RAILROAD CANTILEVER MAST ARM			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT				FLASHING SIGNAL			
DETECTOR LOOP, TYPE I				RADIO REPEATER				CROSSING GATE			
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED				CROSSBUCK			
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											

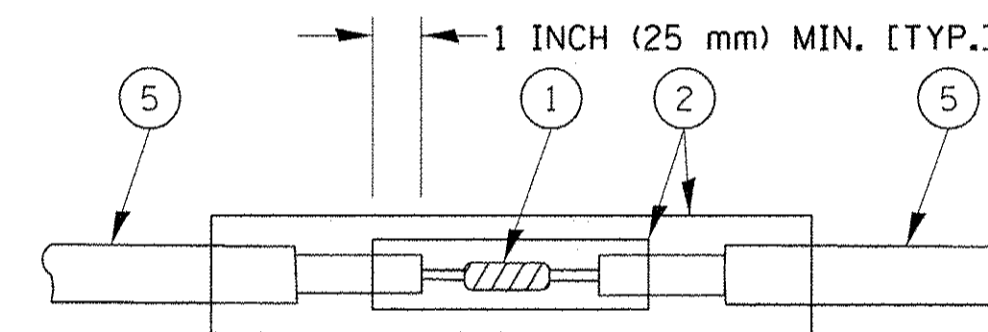
LOOP DETECTOR NOTES

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.

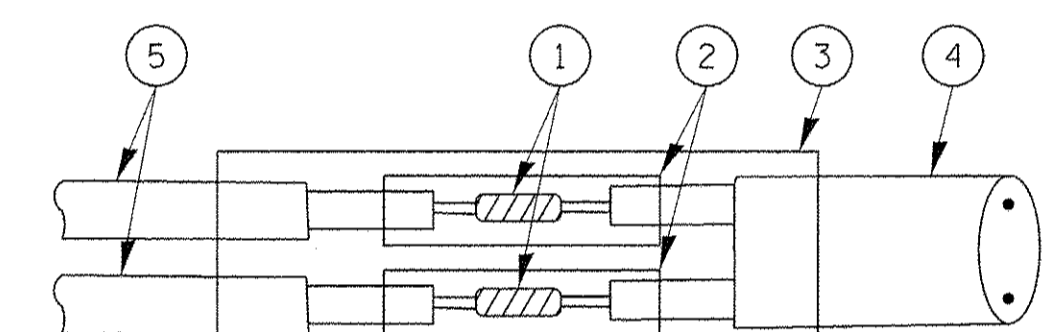


DETECTOR LOOP WIRING SCHEMATIC

- 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.

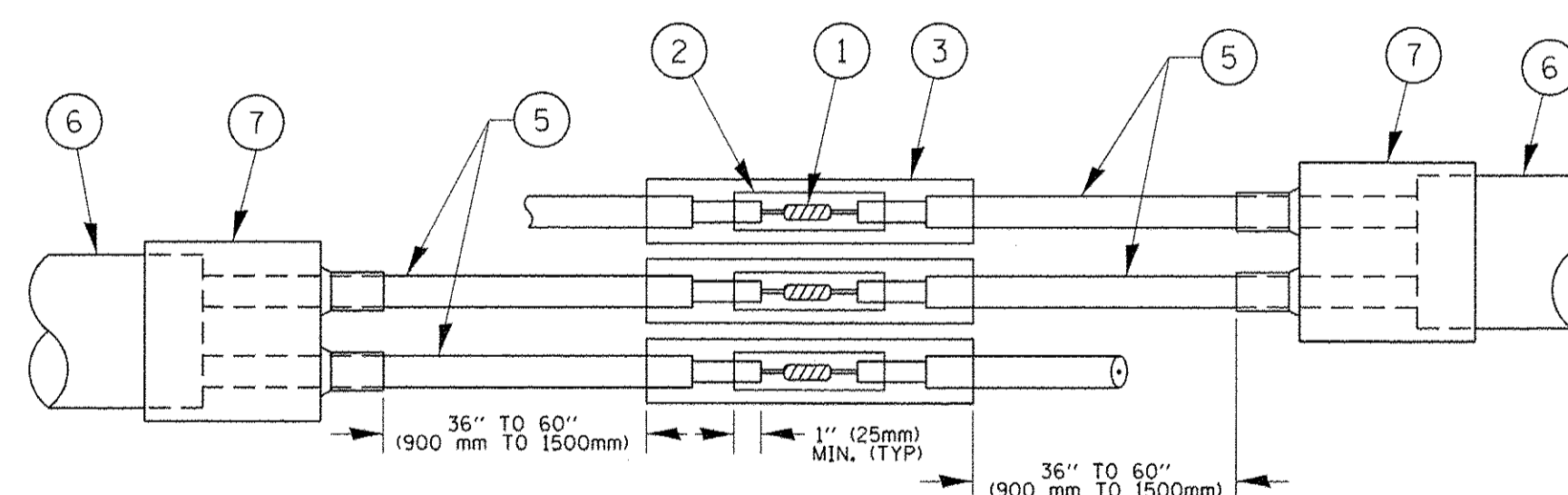


DETAIL "A"
LOOP-TO-LOOP SPLICE

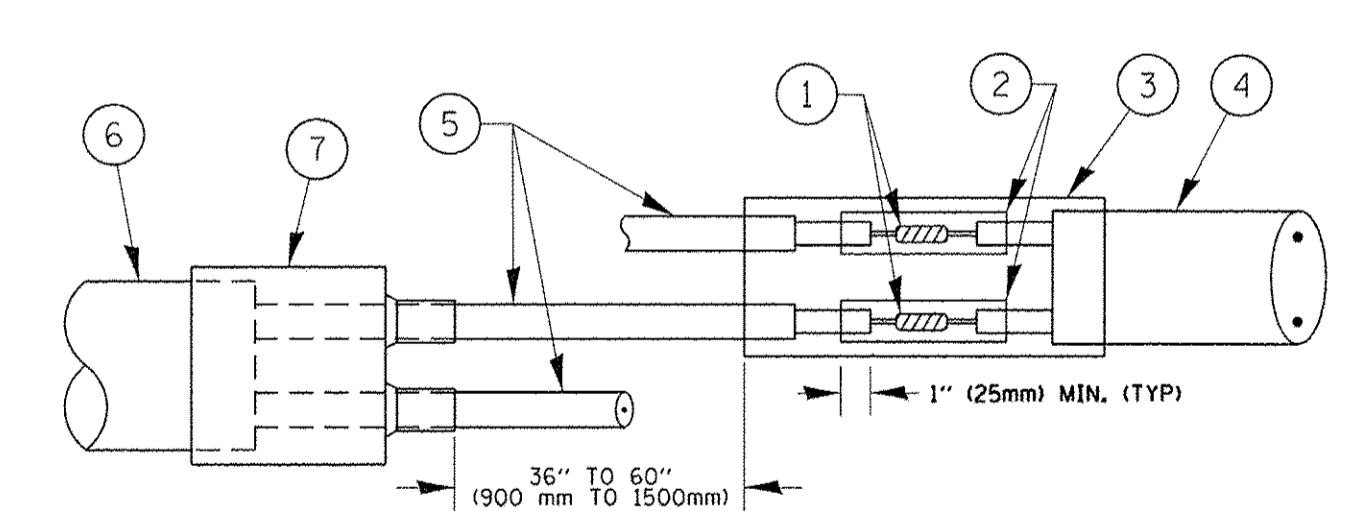


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



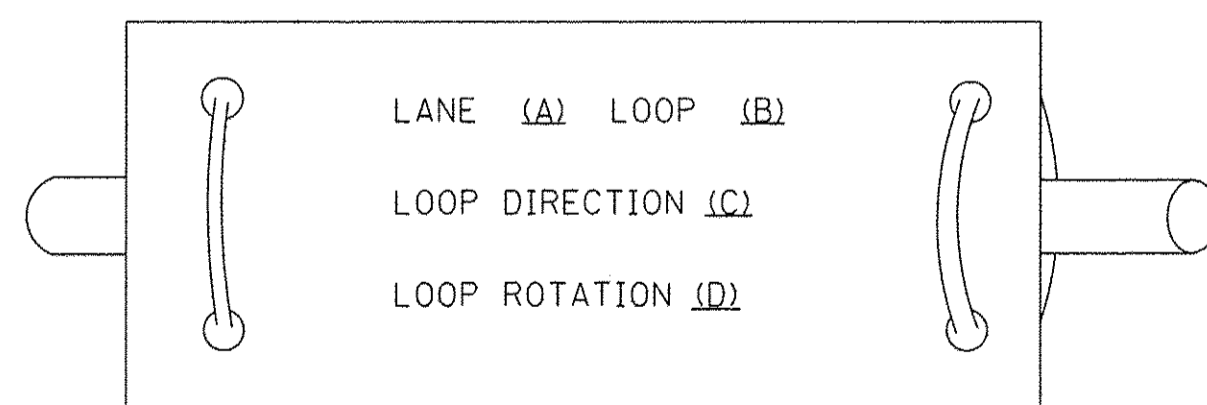
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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

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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

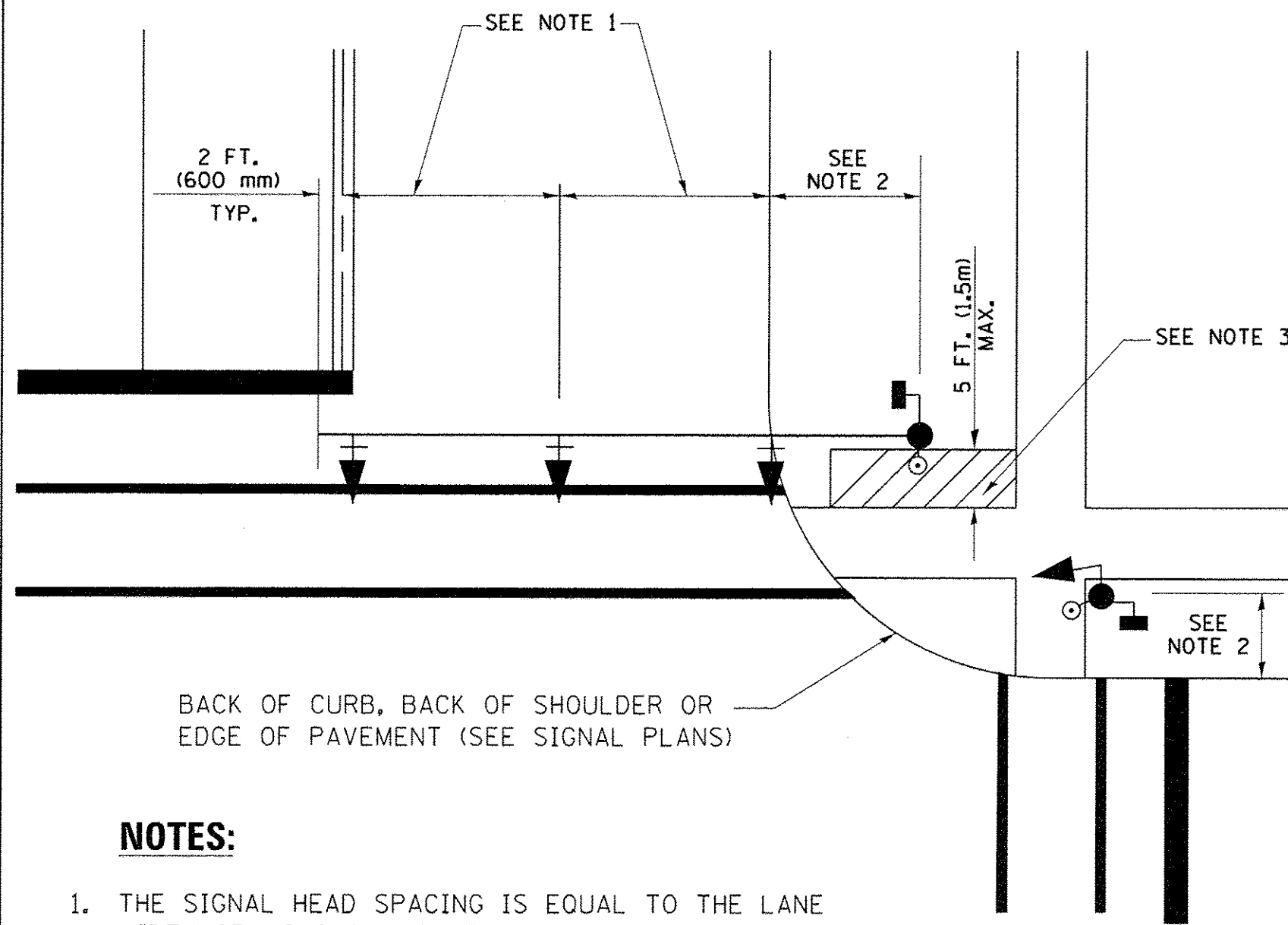
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	23
TS-05			CONTRACT NO. 61C73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
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PLOT SCALE = 50.0000 "/in.		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10-28-09	REVISED -

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

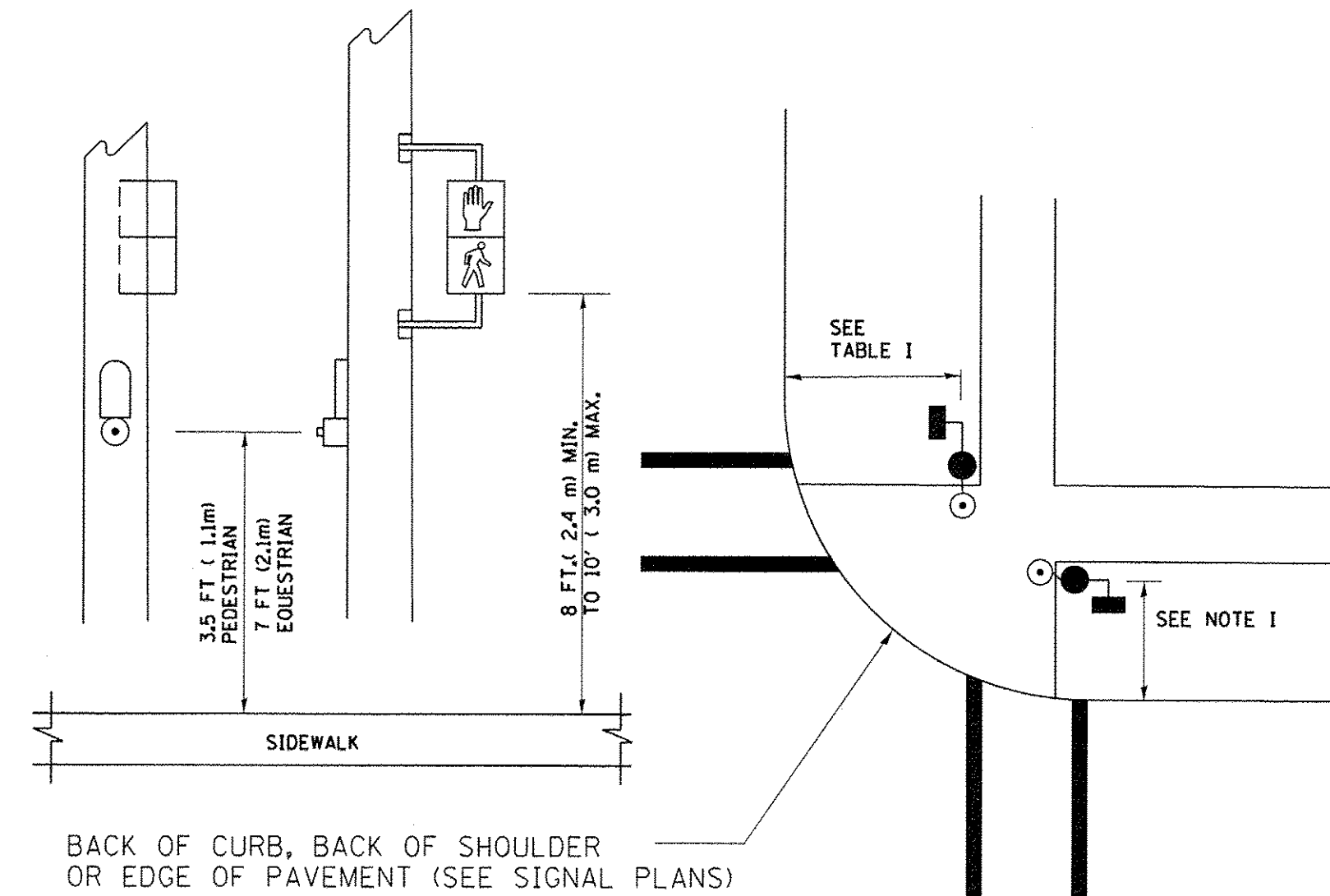
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

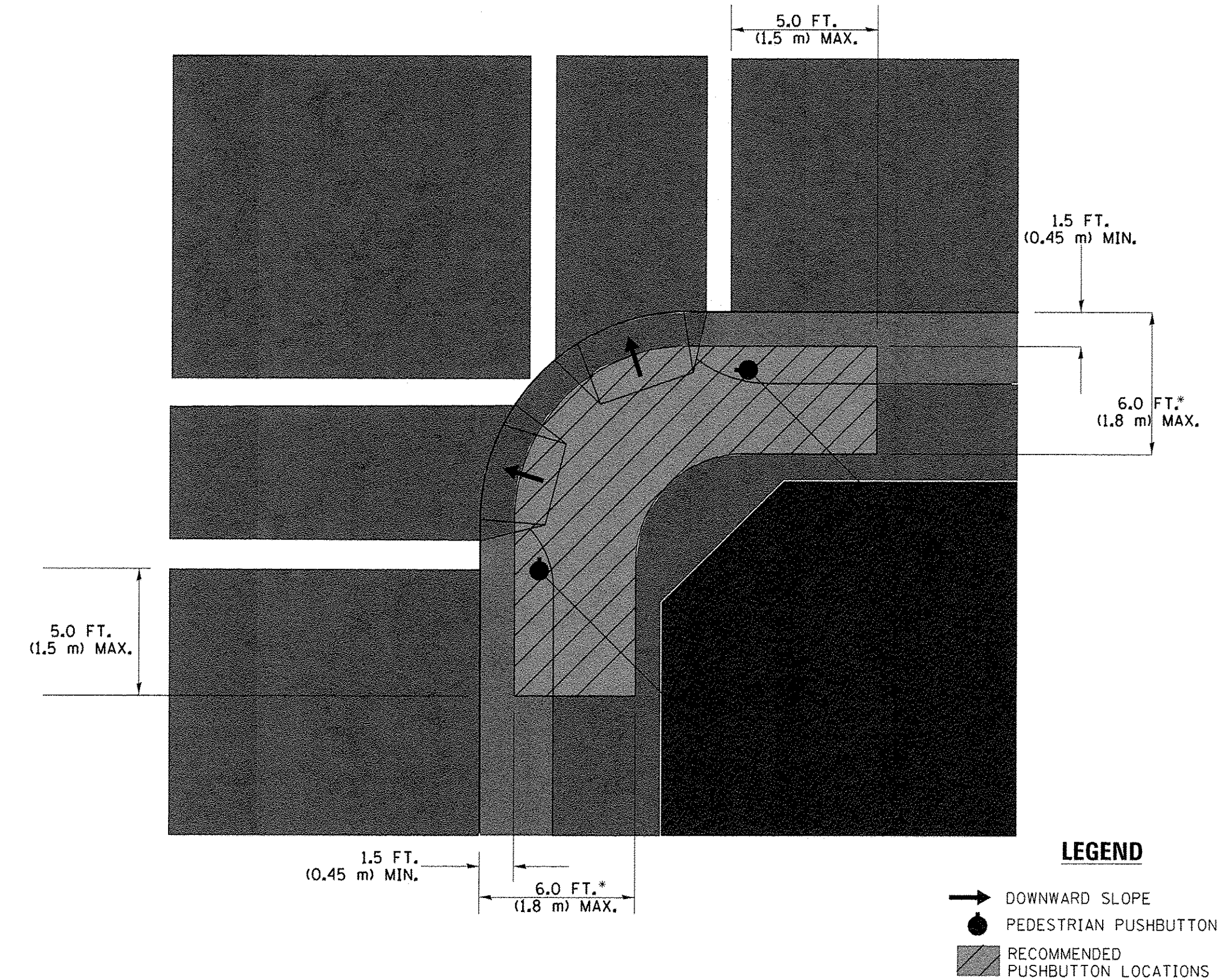
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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:

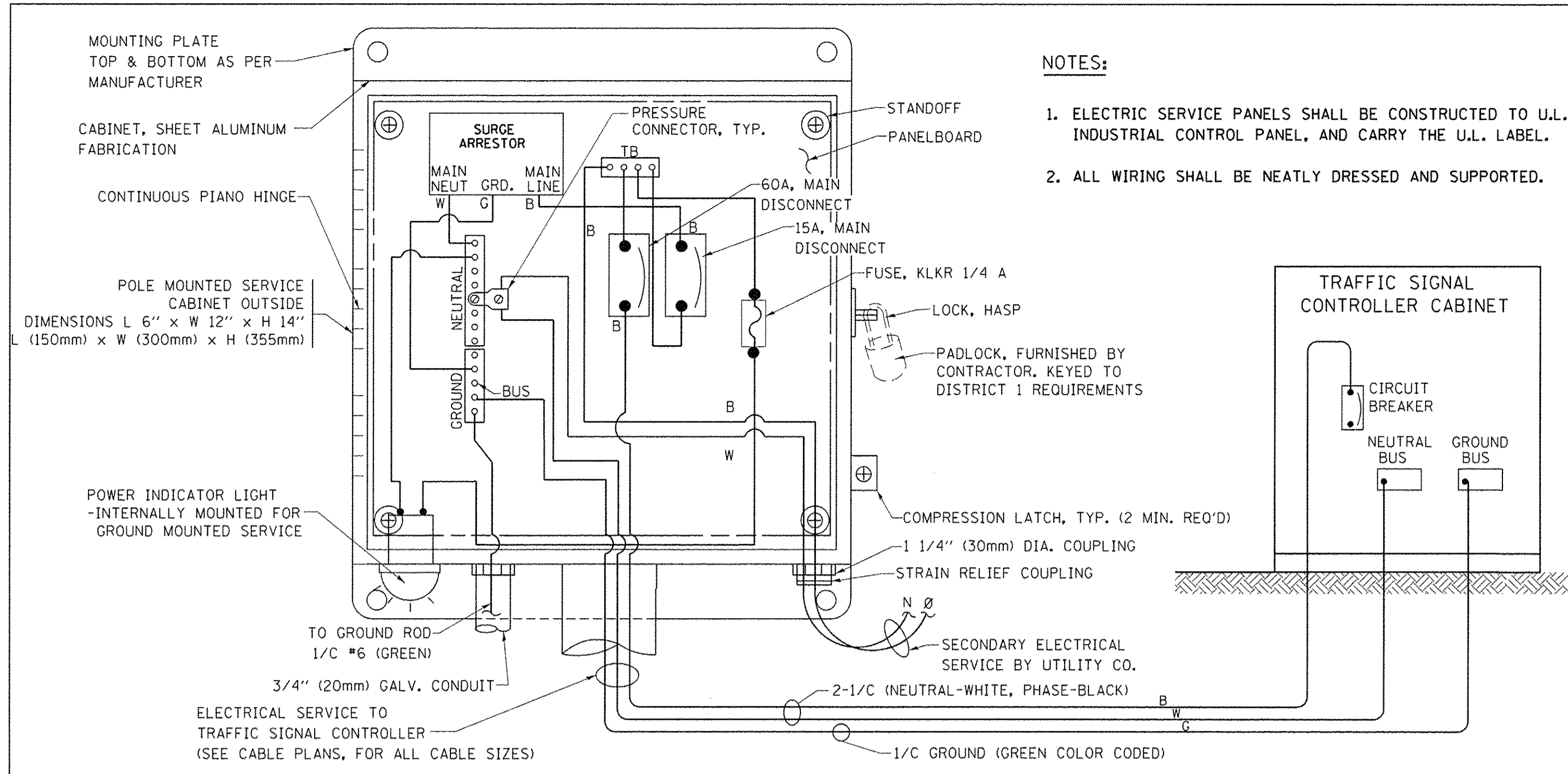
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM 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

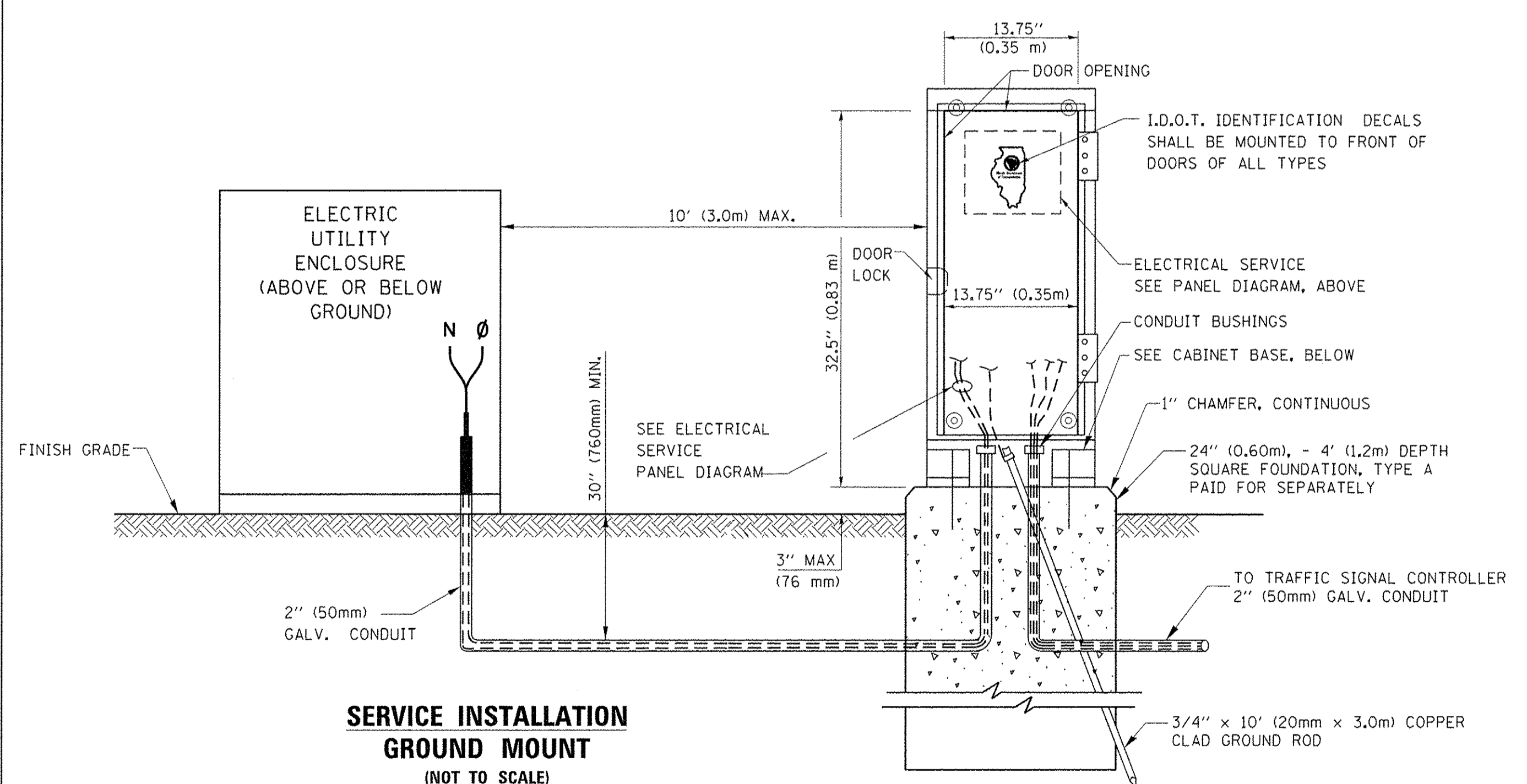
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 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:

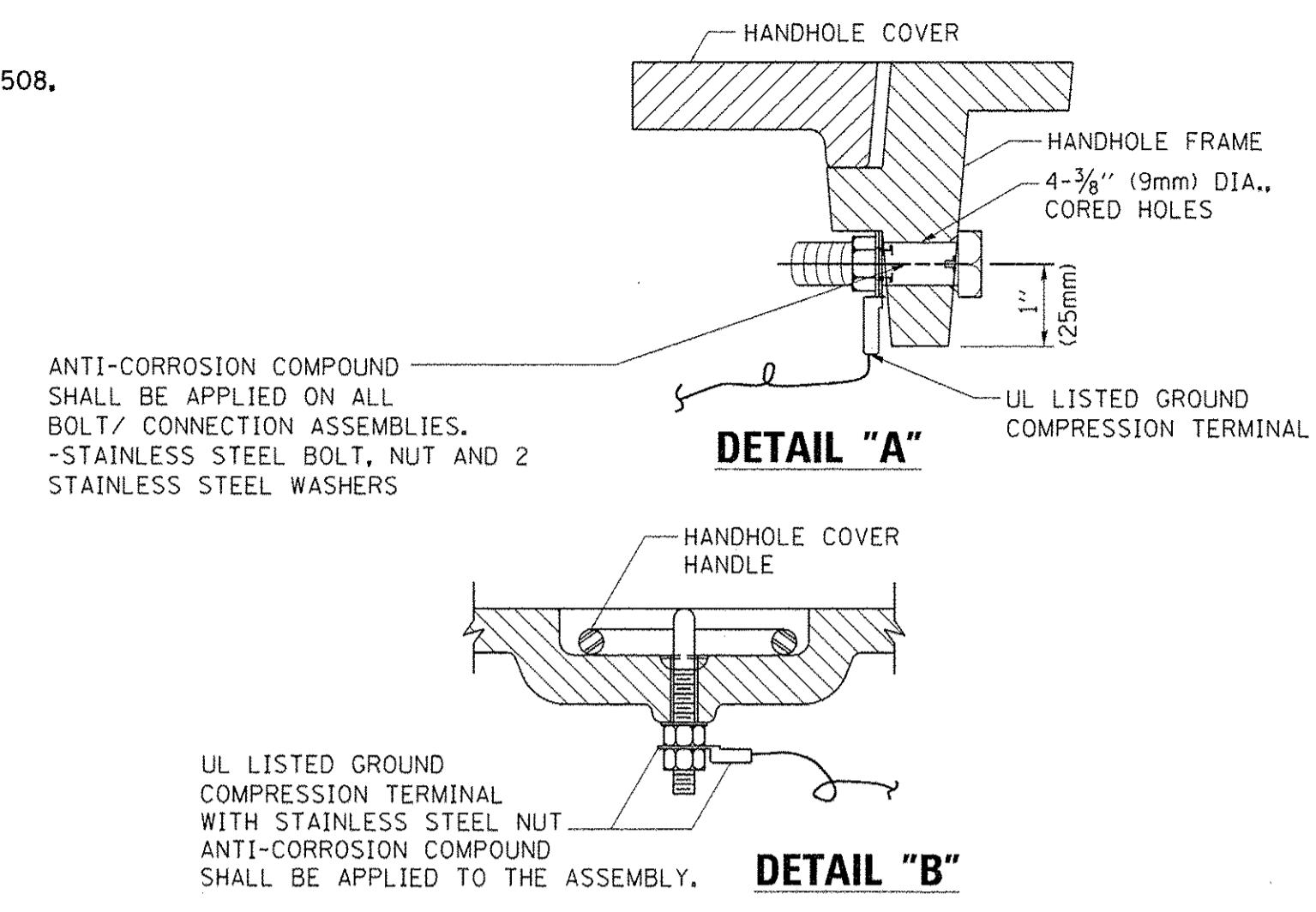
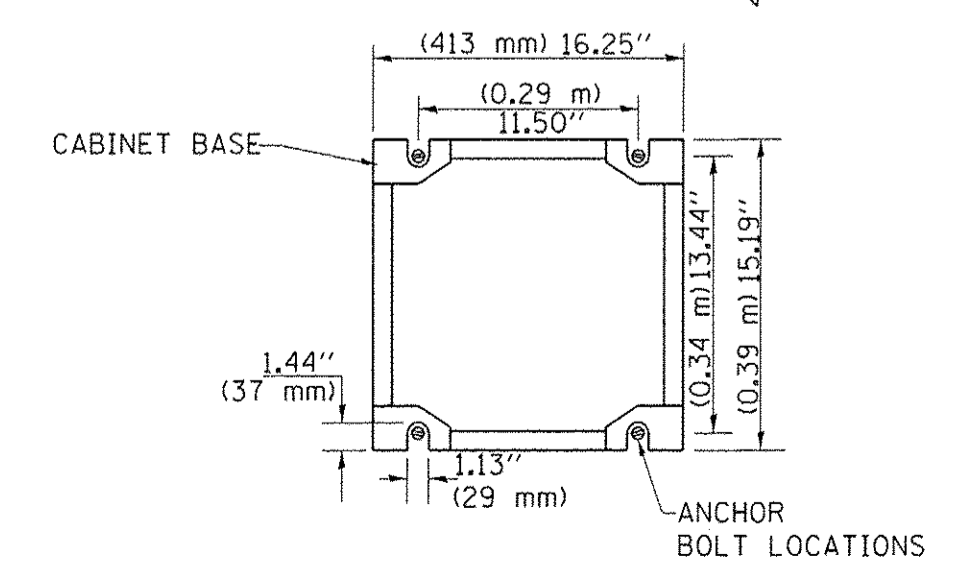
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM 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 AFFECT 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.



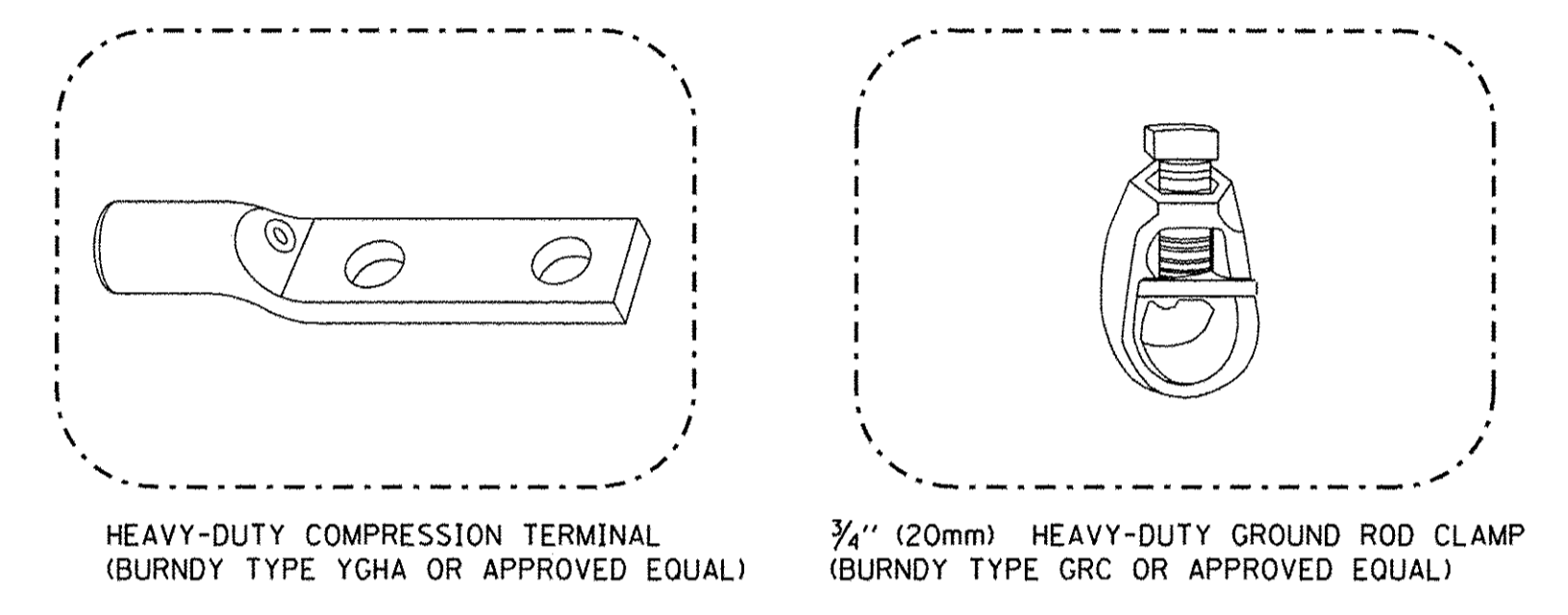
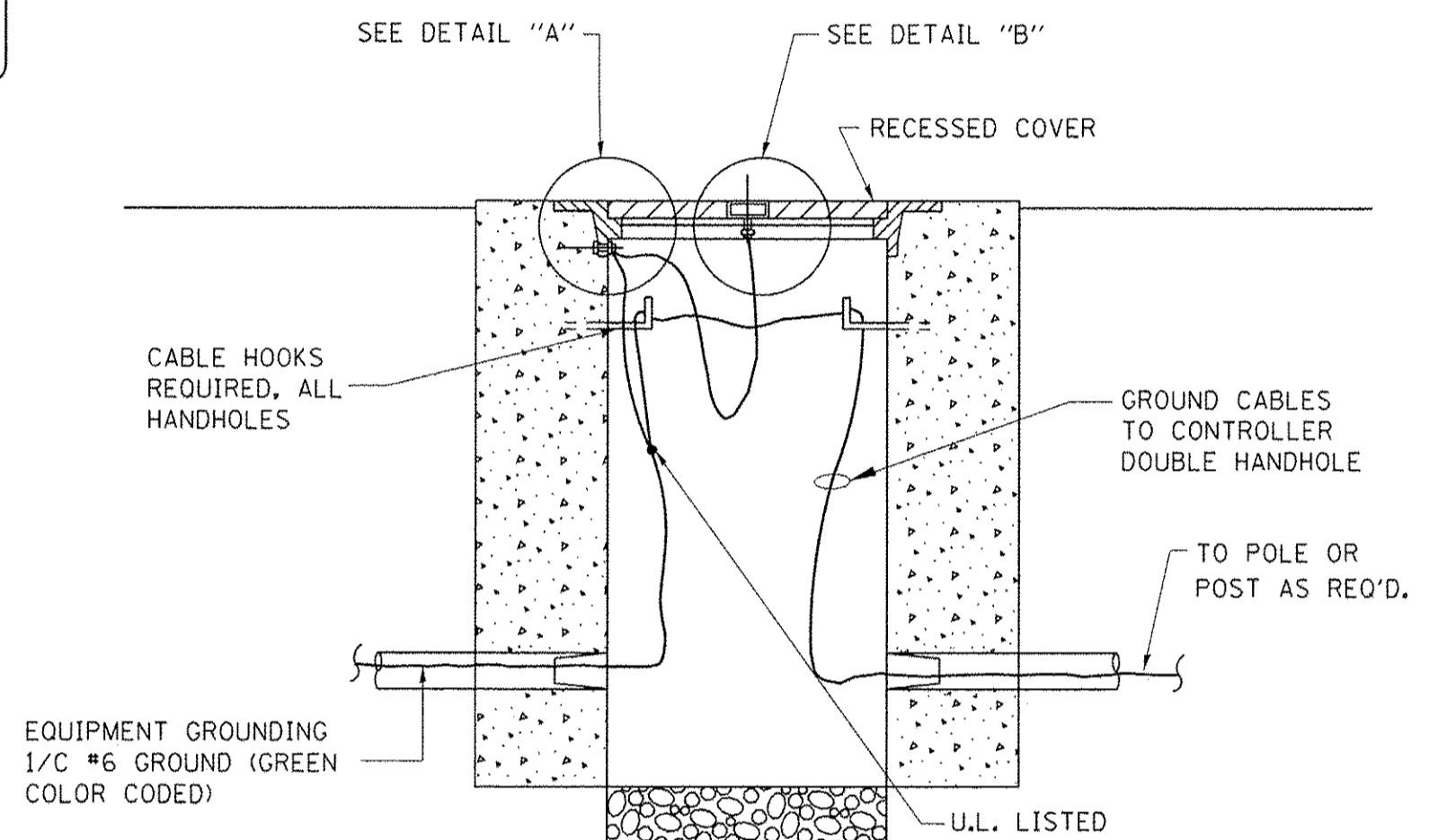
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



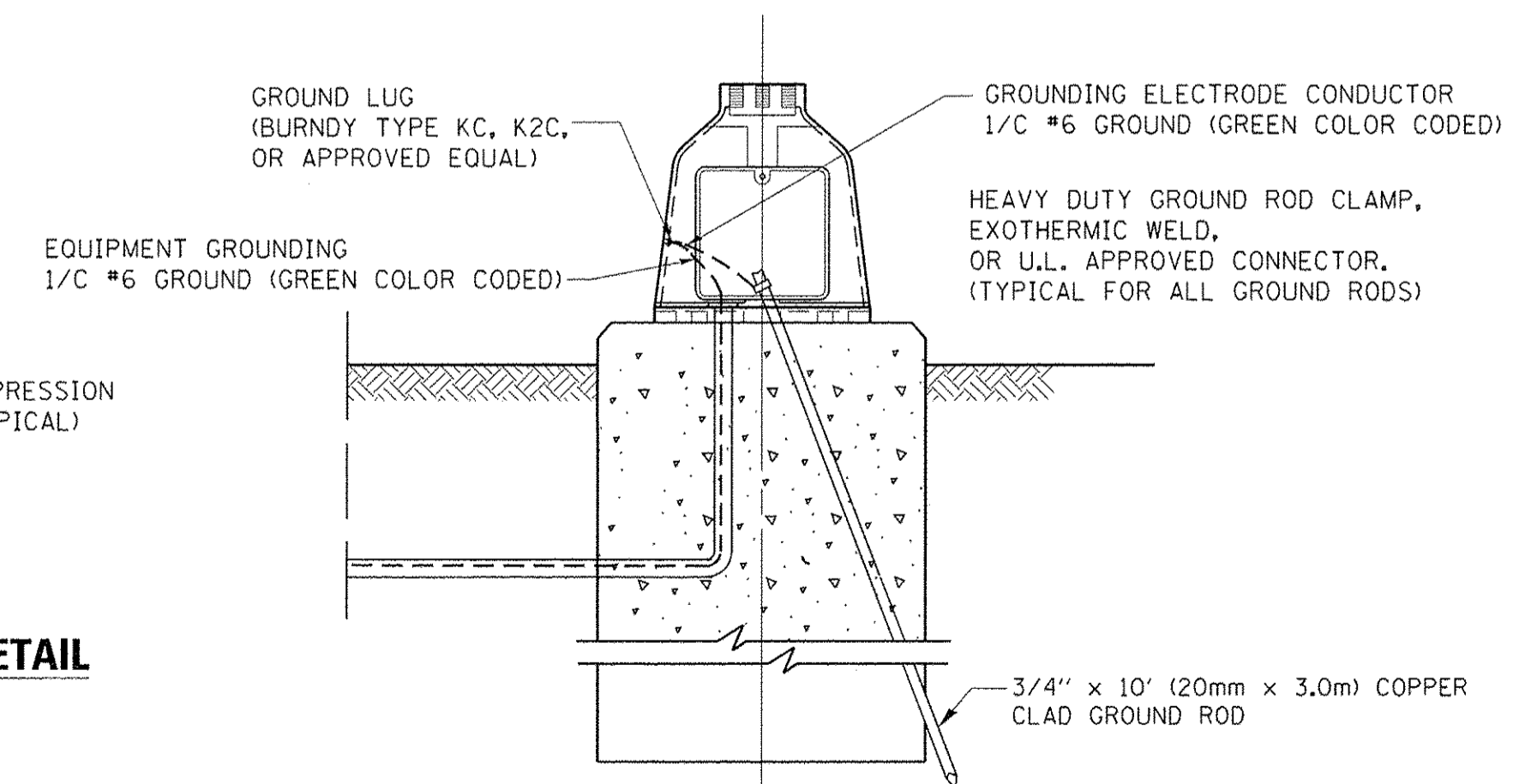
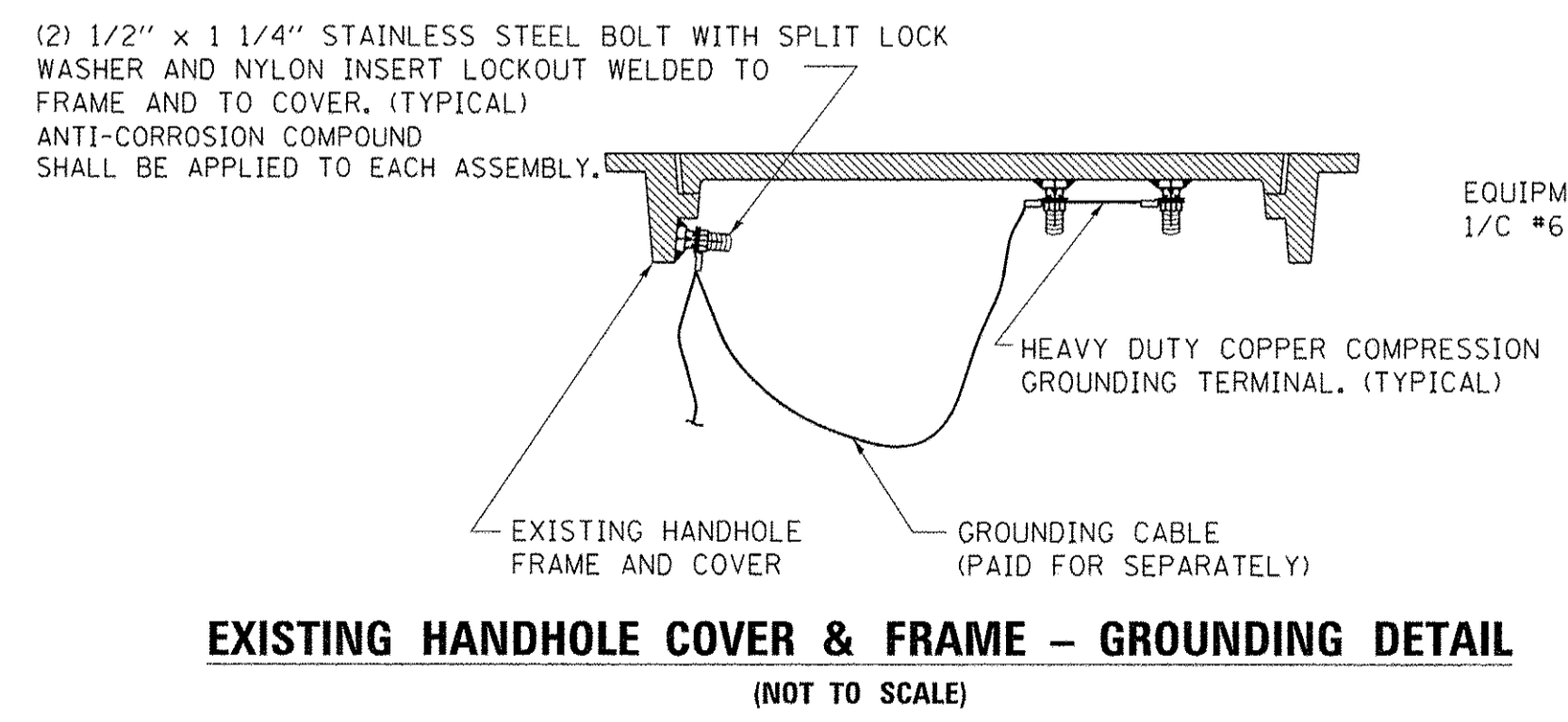
CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)



- 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.

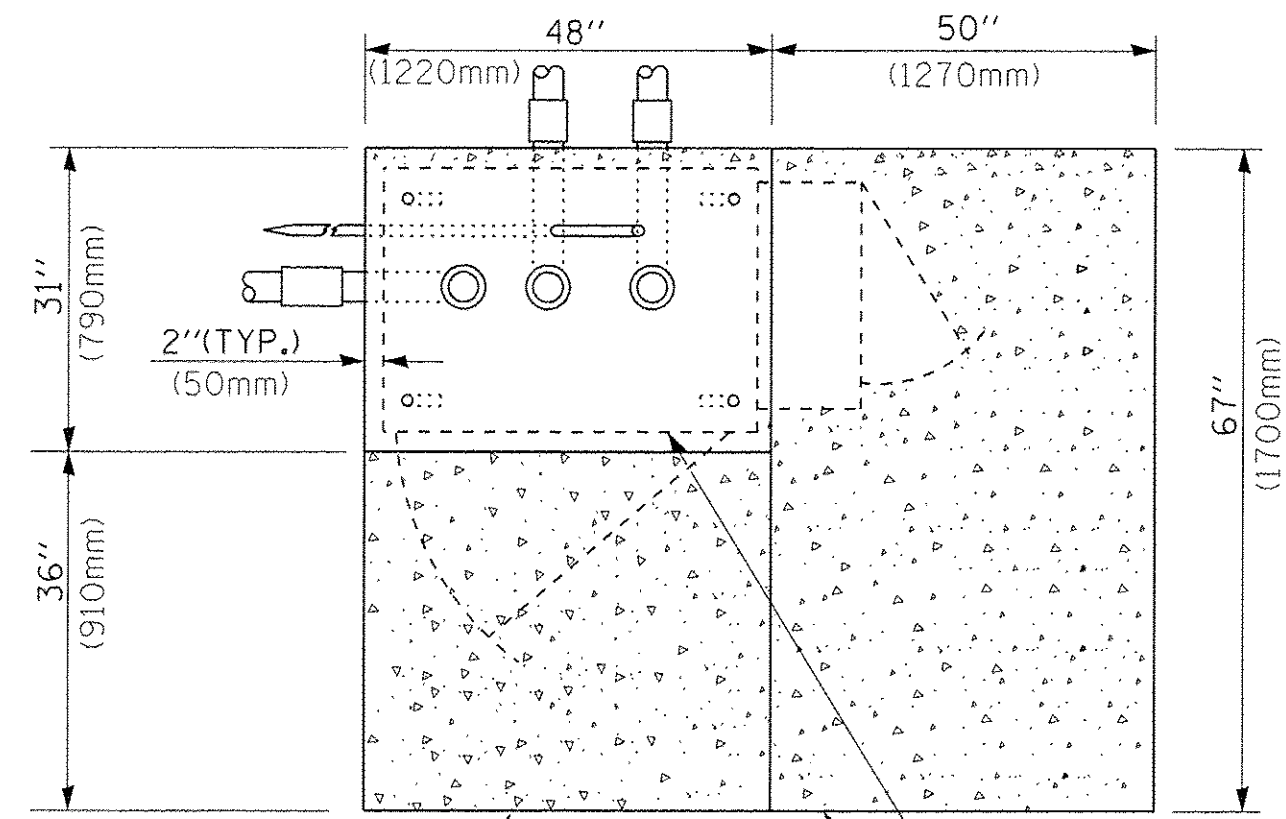


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		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

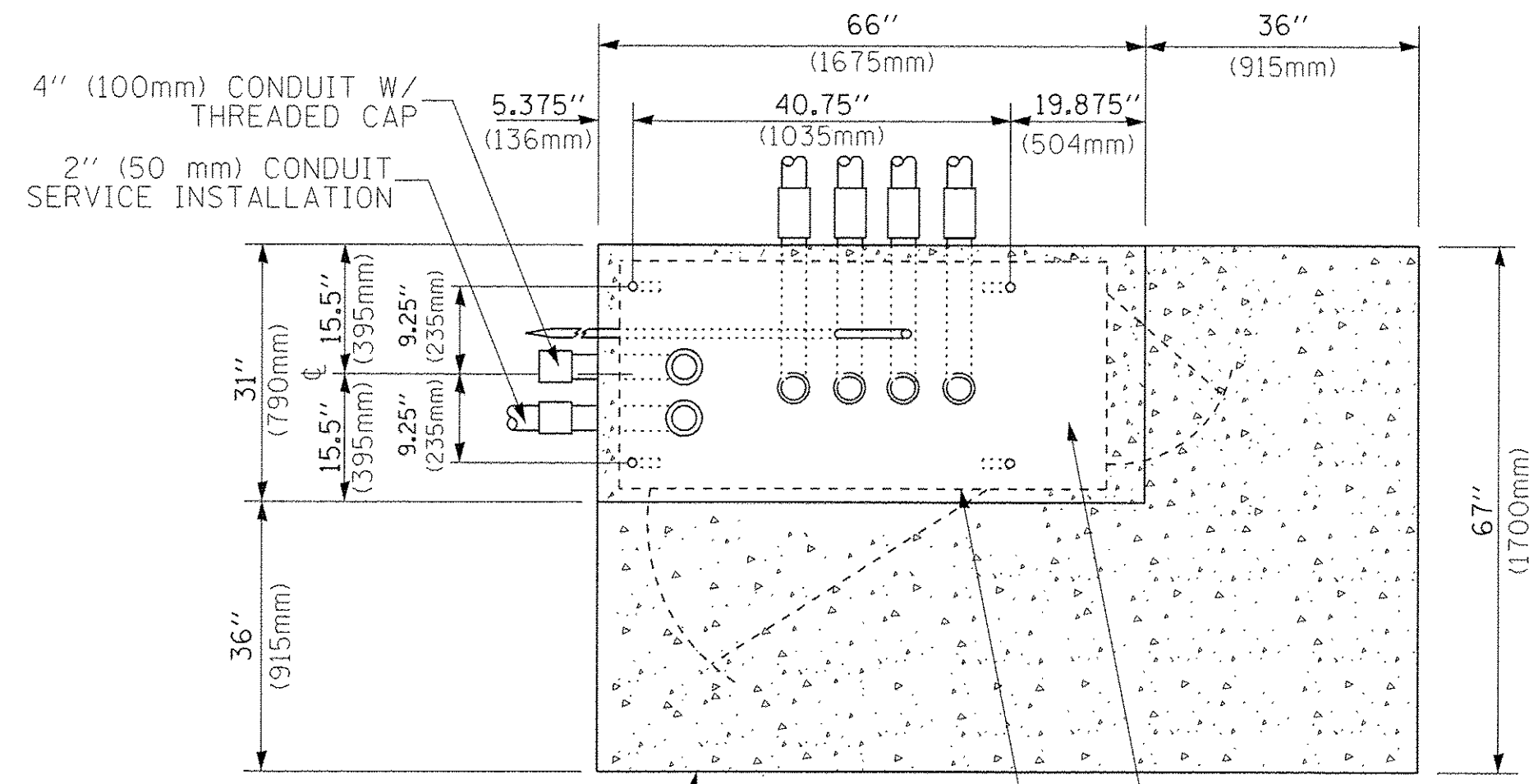
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
 SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.

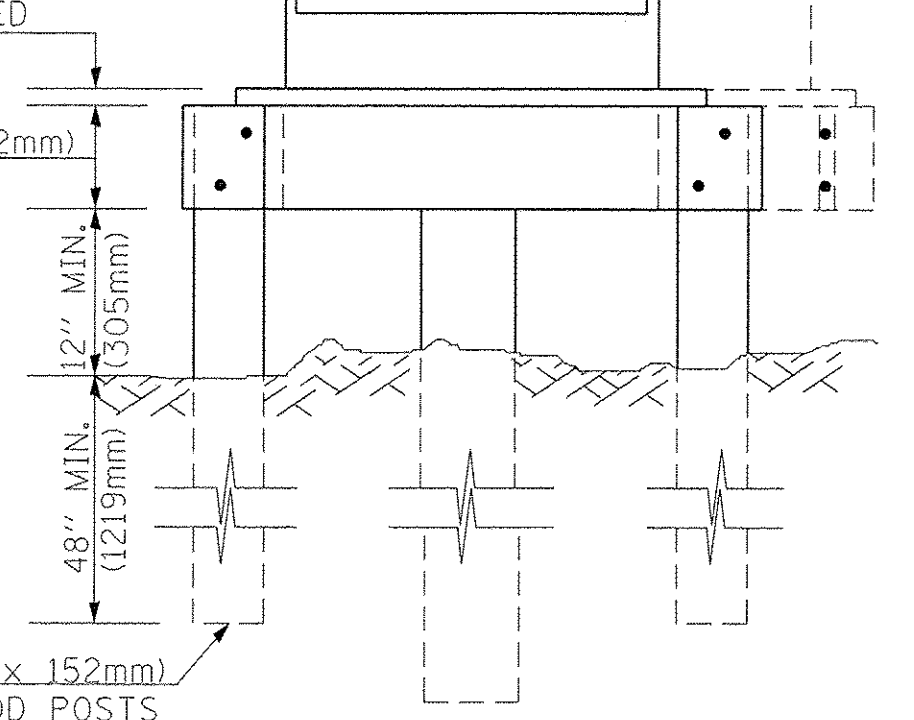
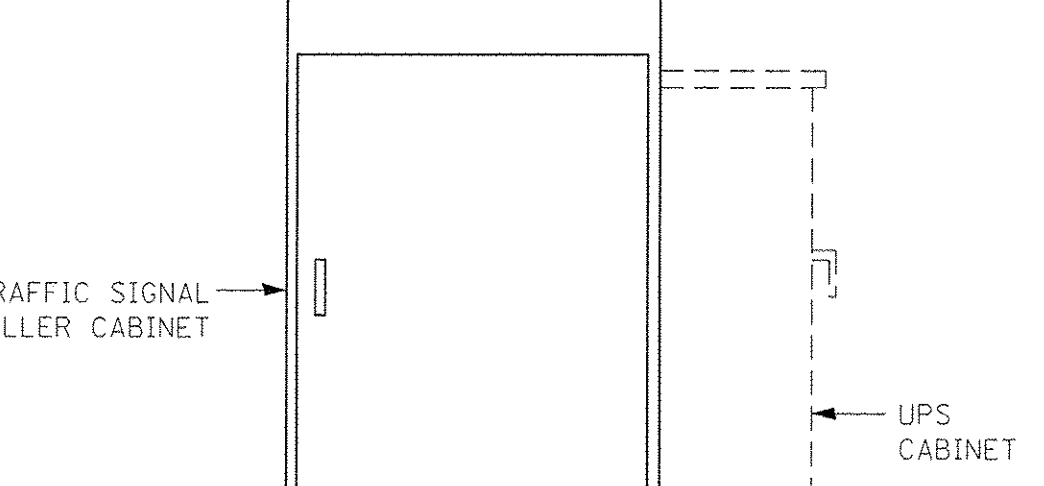
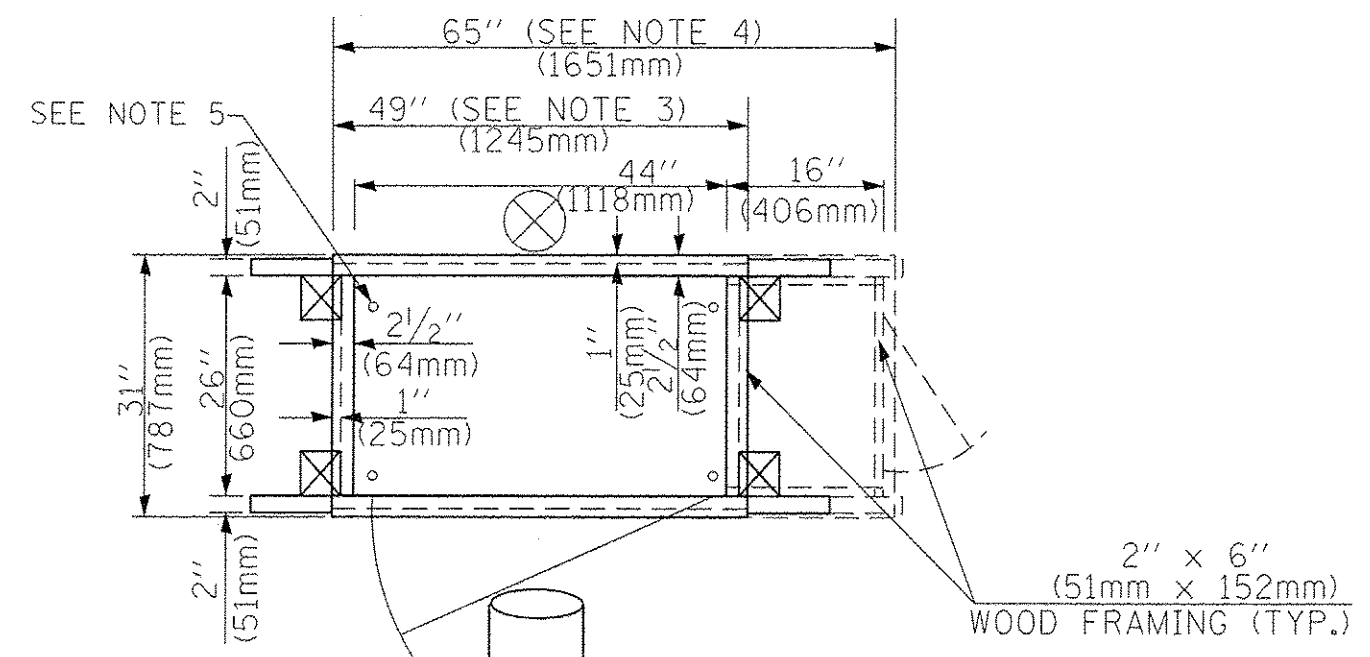
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	25
	TS-05	CONTRACT NO. 61C73		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW



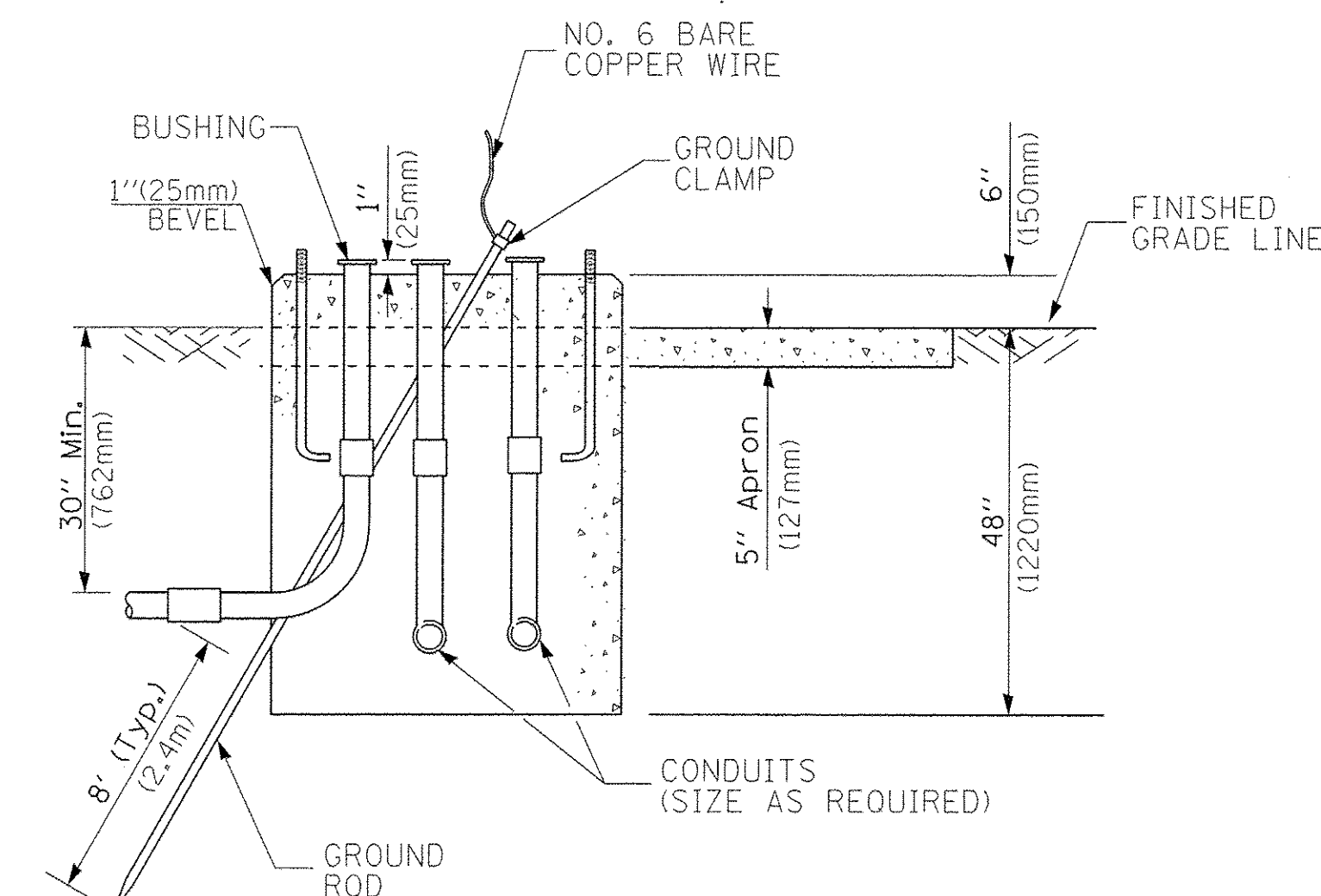
TOP VIEW



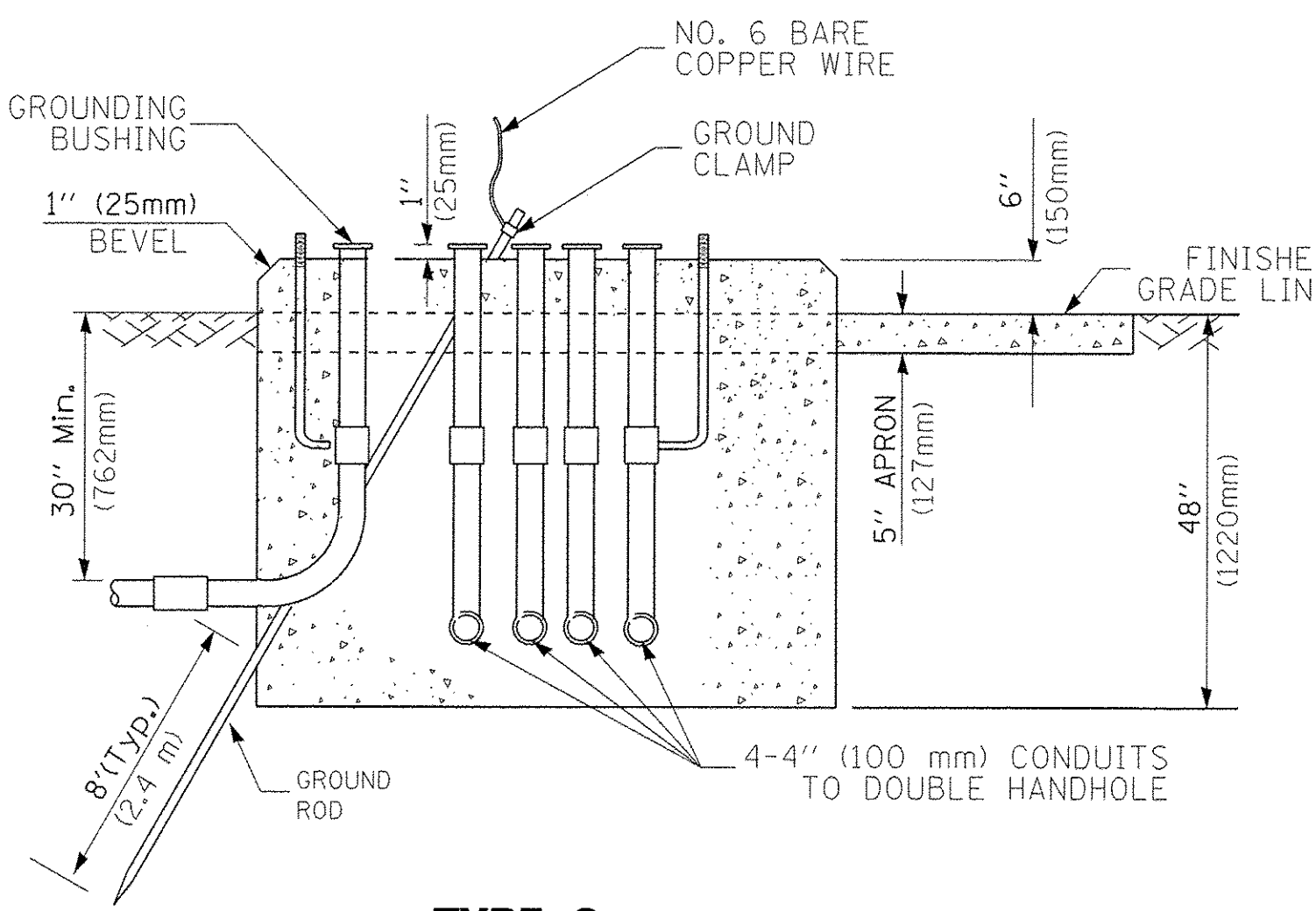
NOTES:

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



TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



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

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)

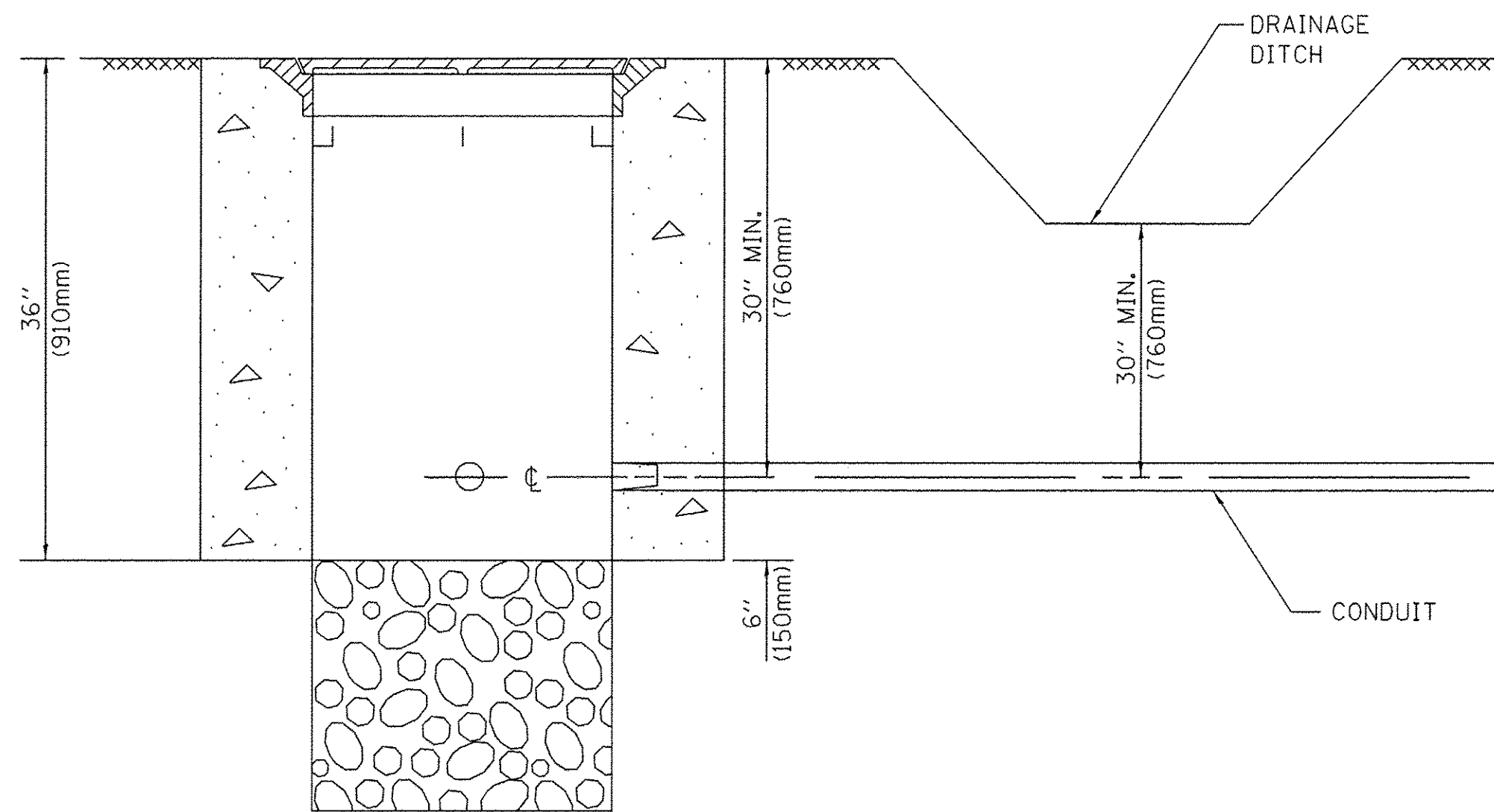
DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
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)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 55' (16.8 m) and up to 75' (22.9 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 (Qu) > 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..

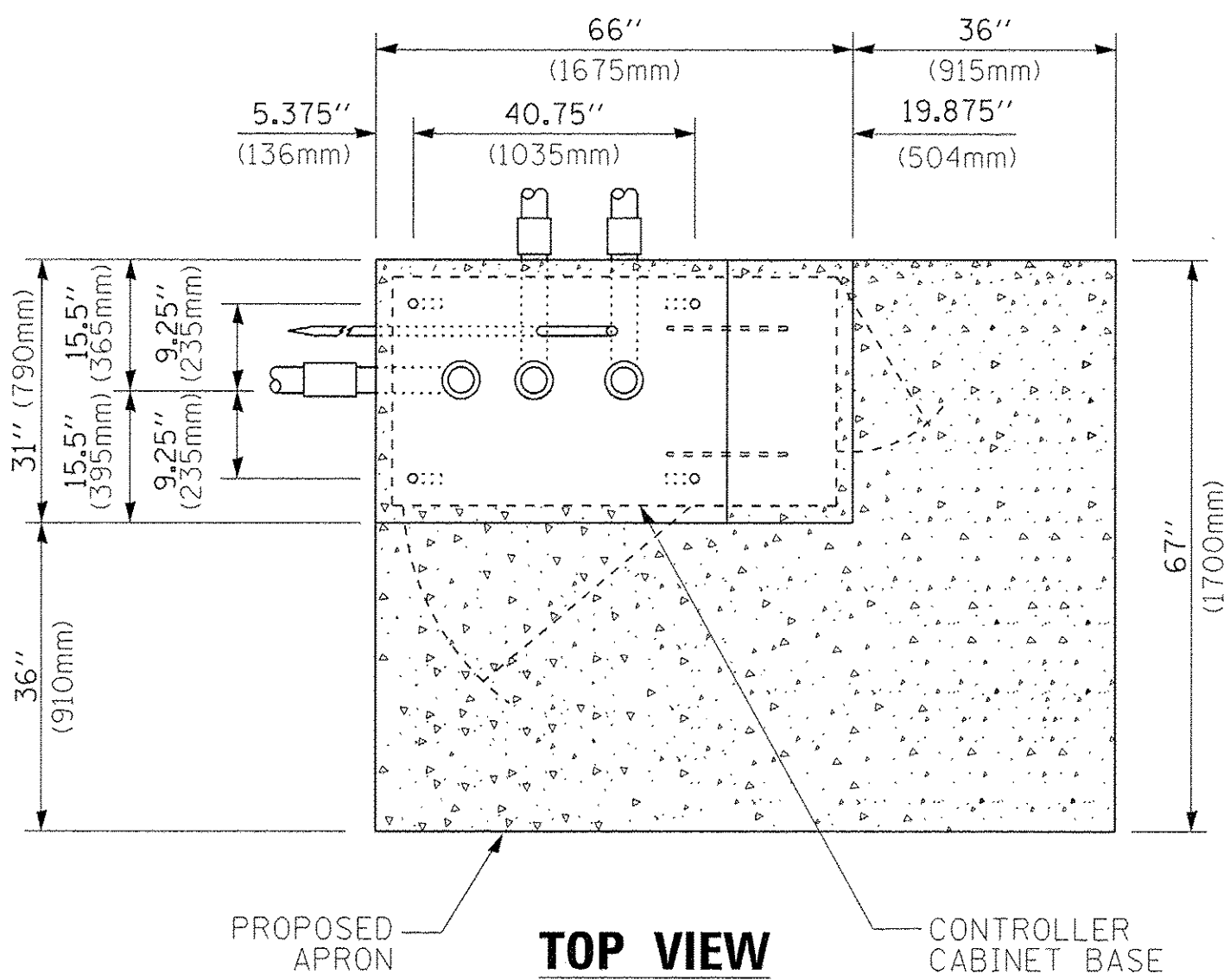
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



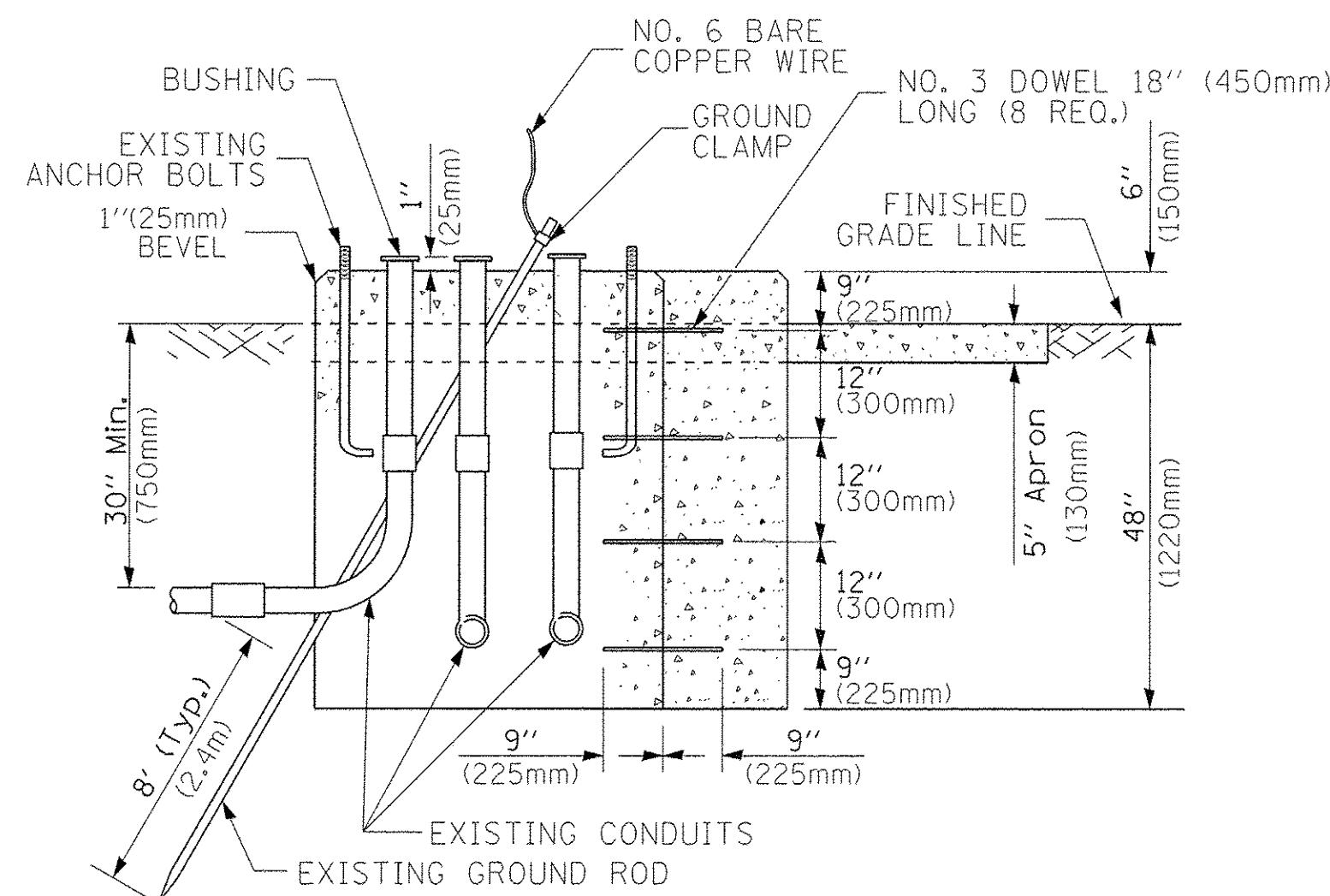
NOTES:

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)



TOP VIEW
(NOT TO SCALE)

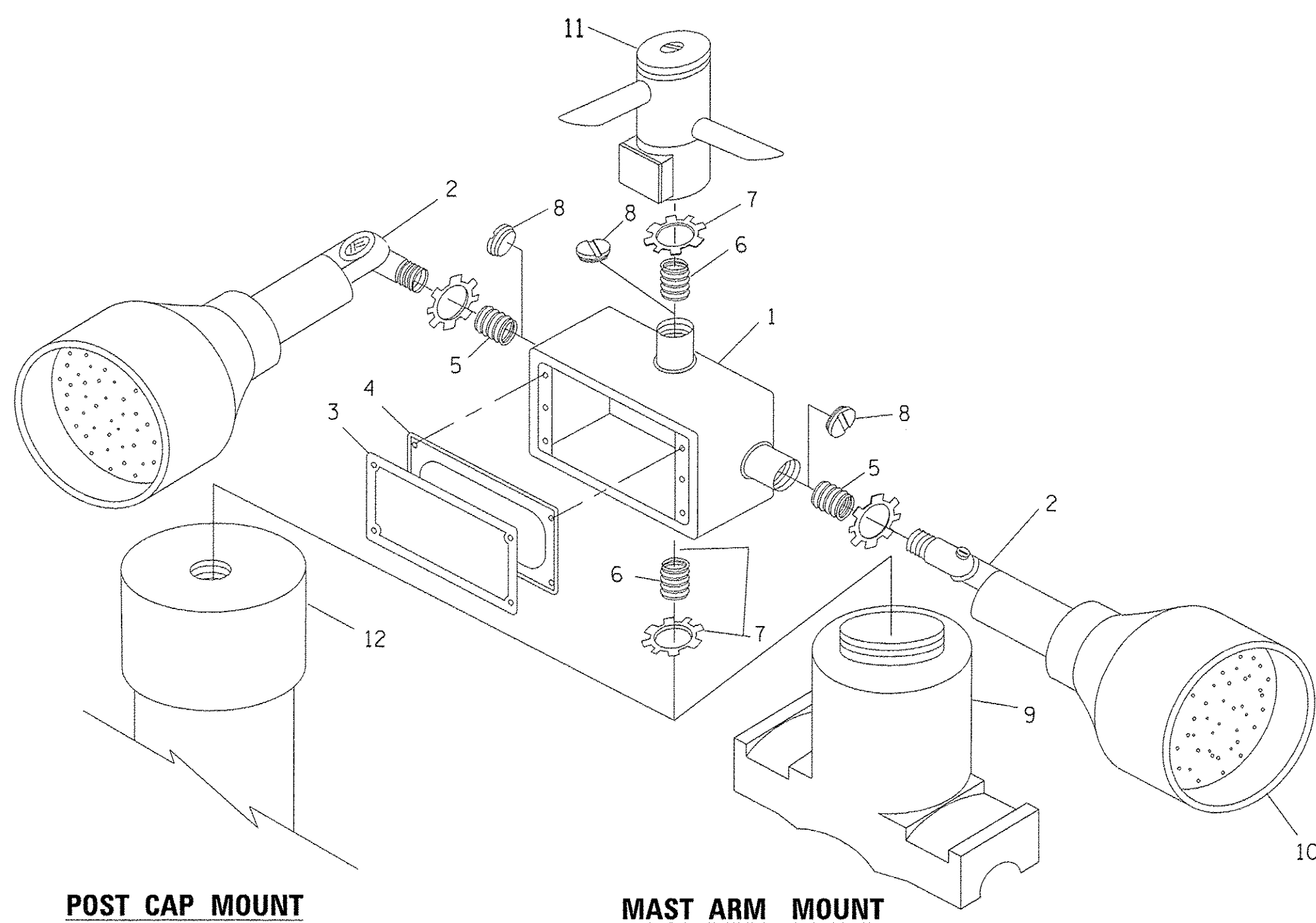


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

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:

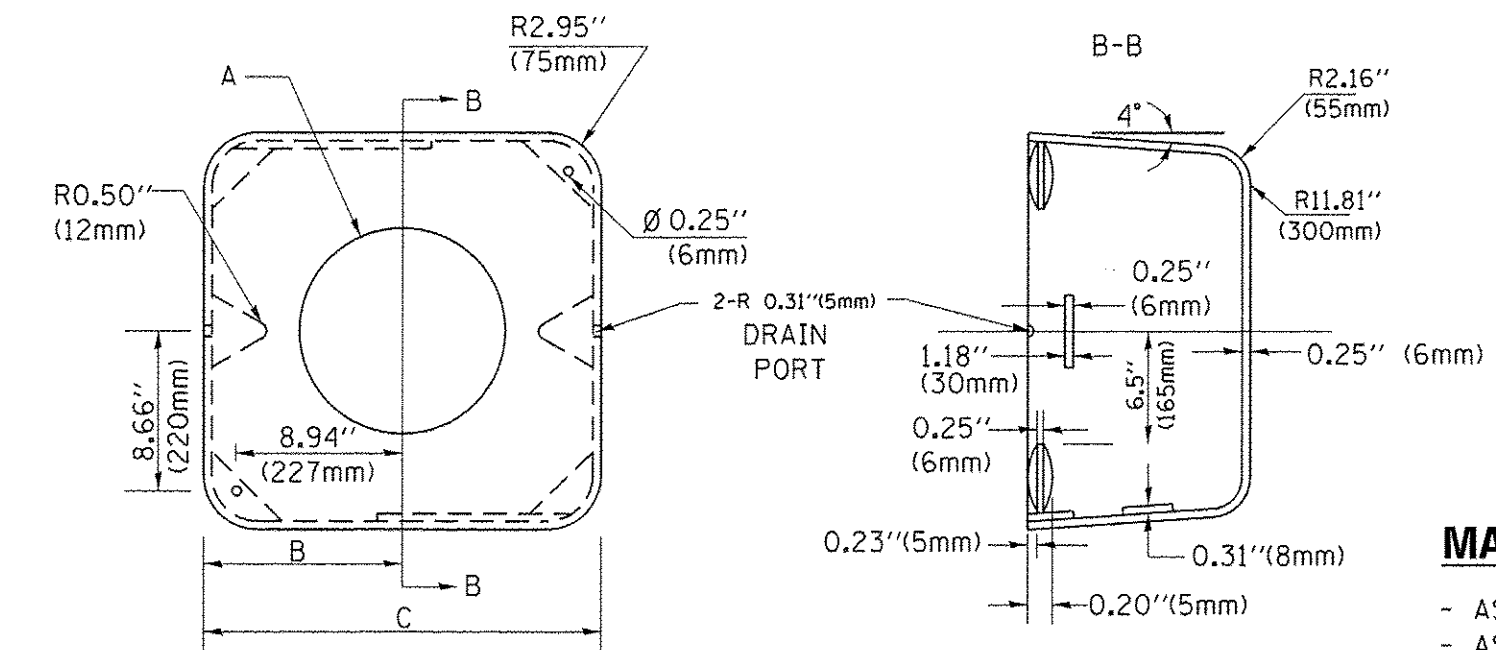
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE 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.



POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



MATERIAL:

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

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

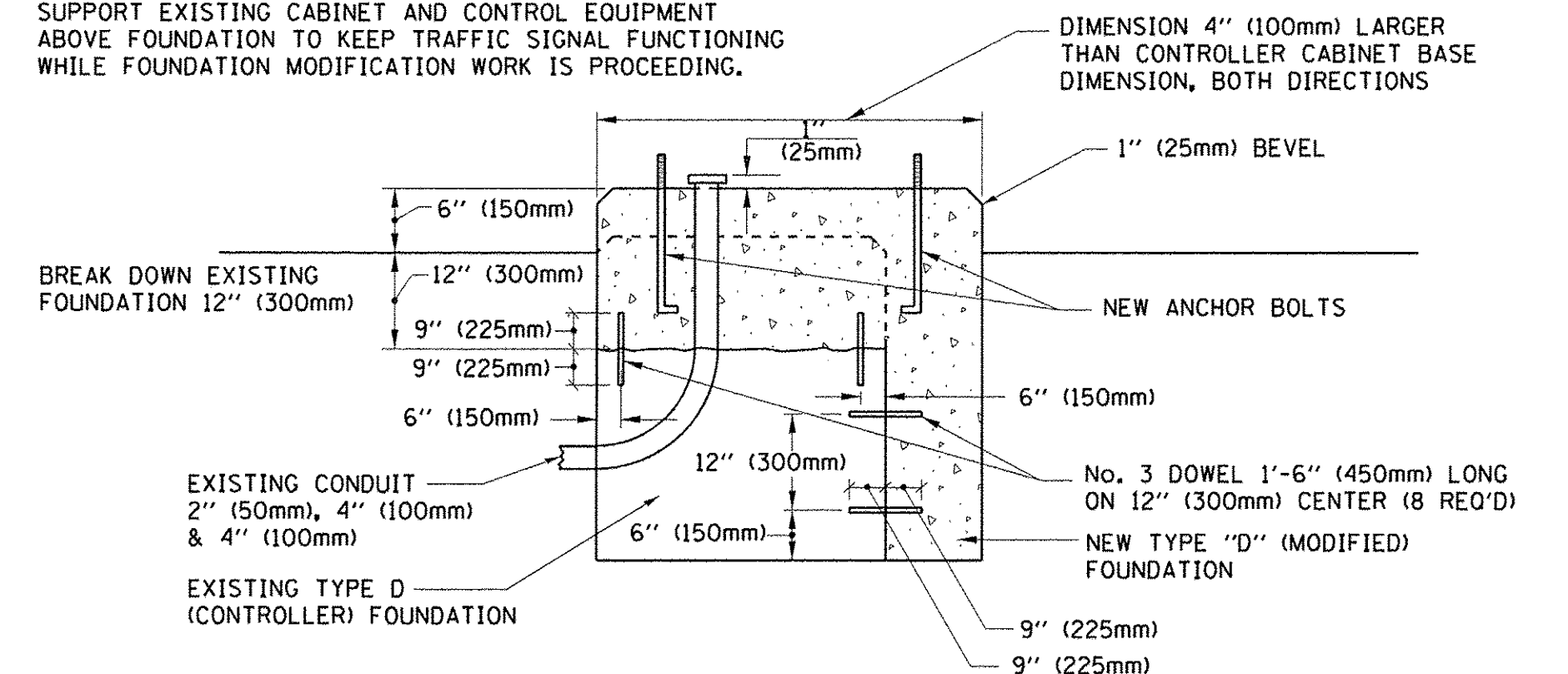
SHROUD

NOTES:

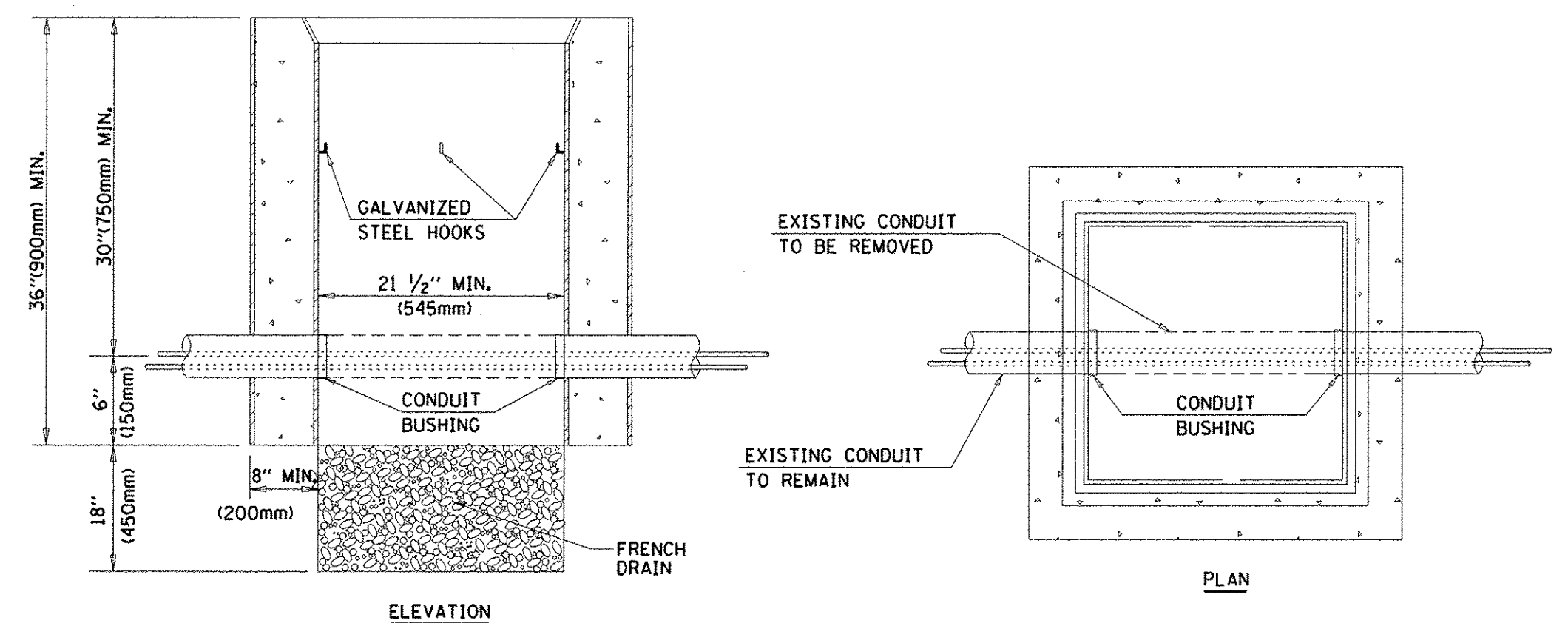
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

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



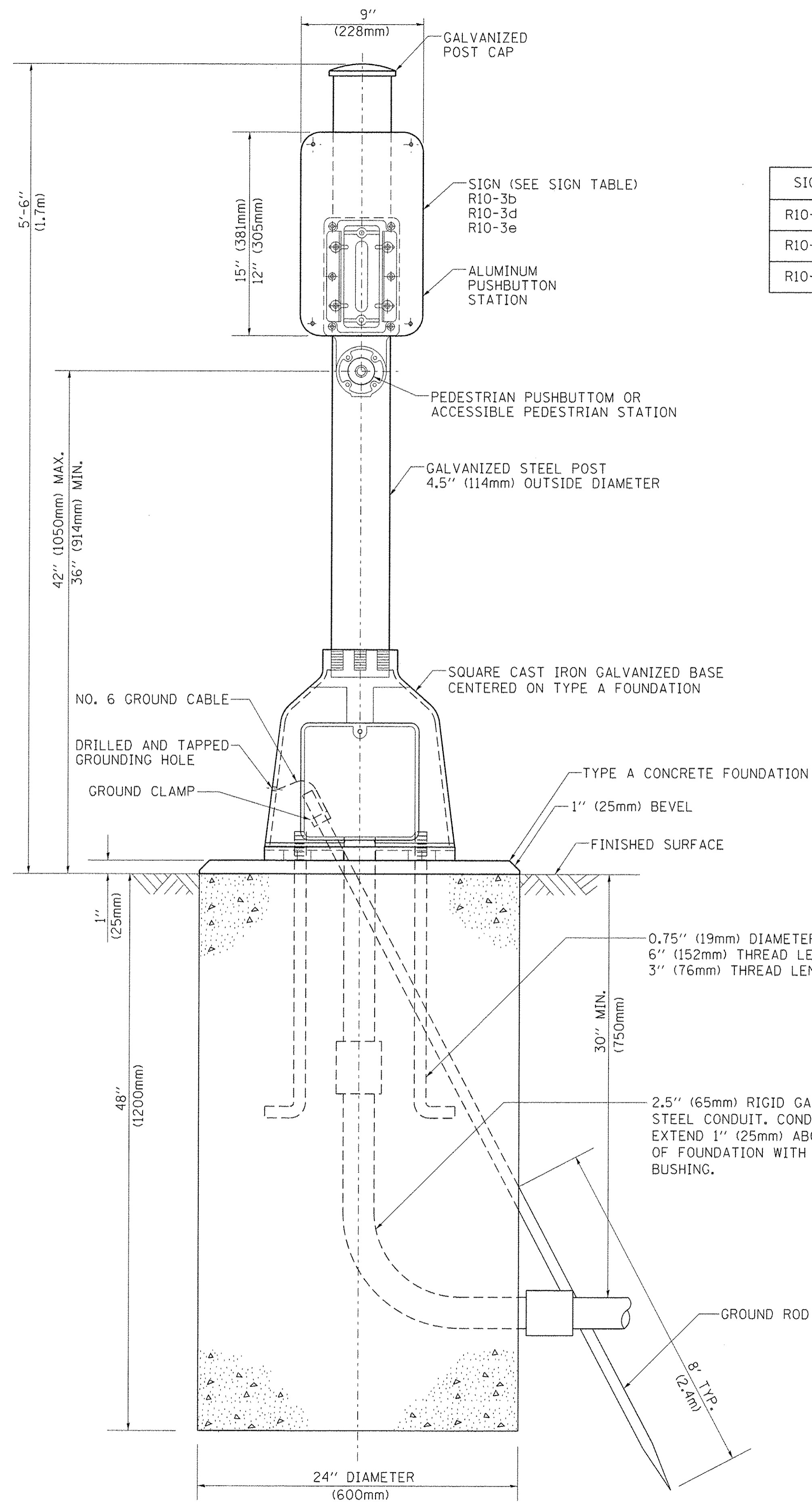
MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

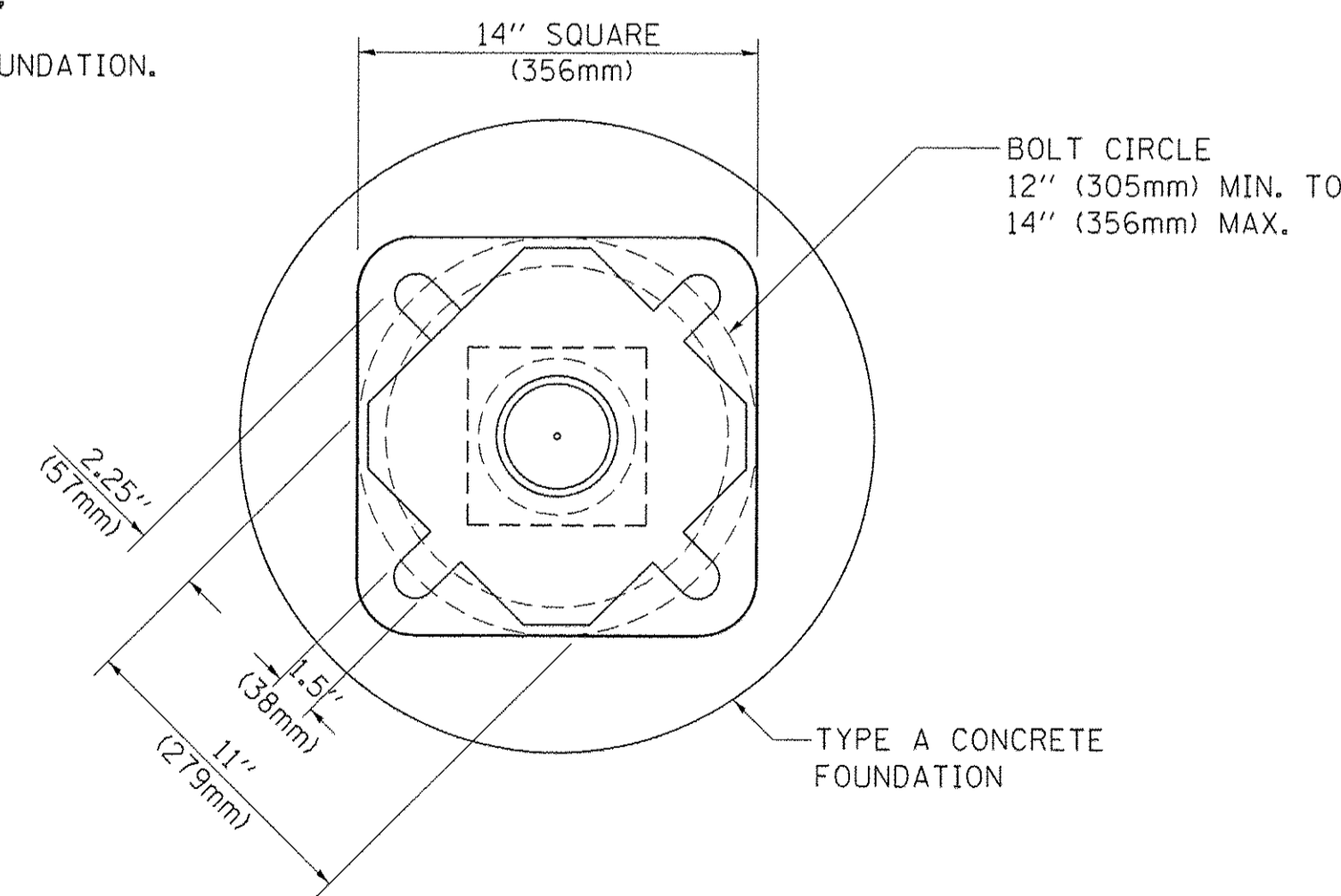
1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT



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

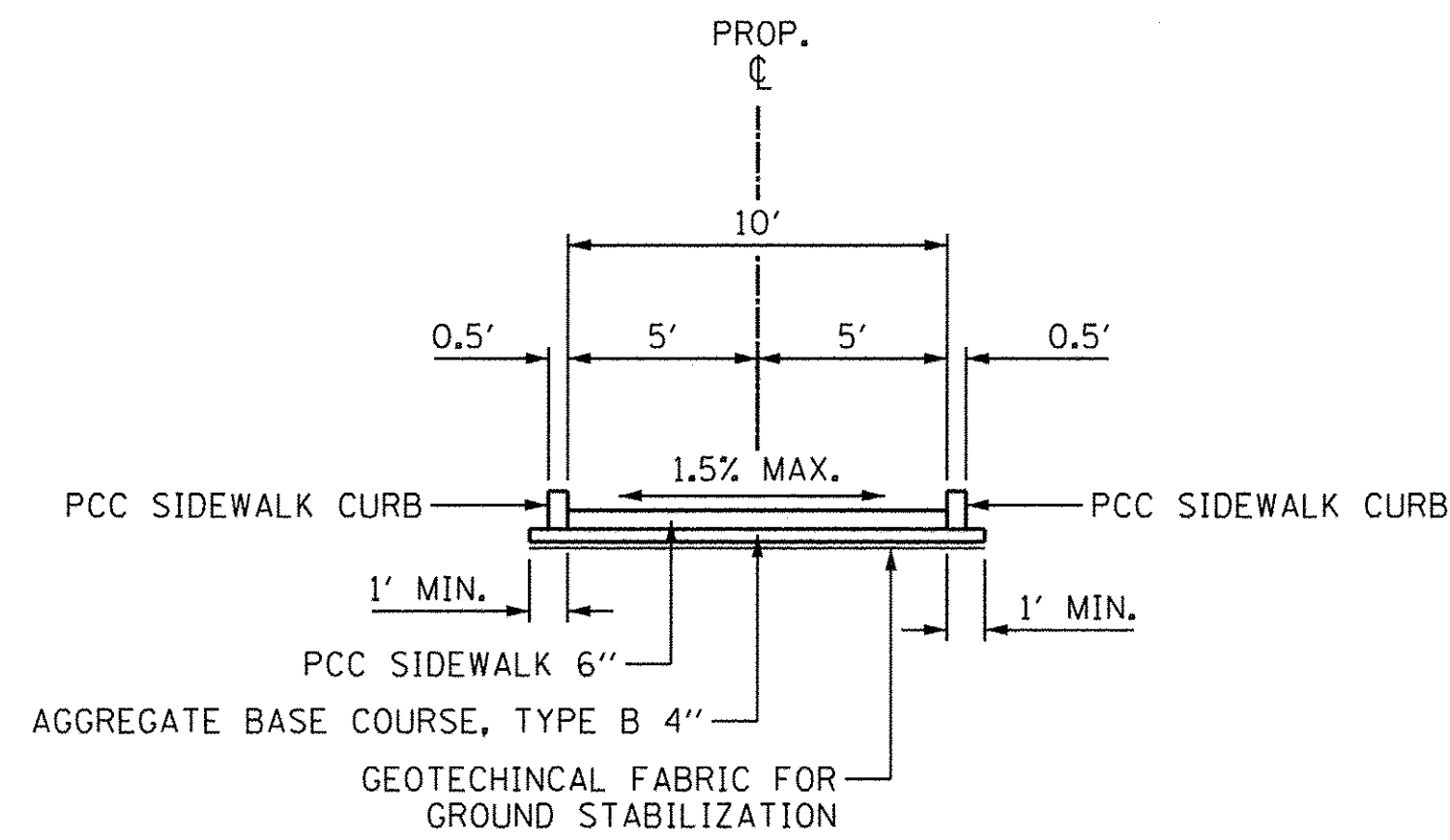
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	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

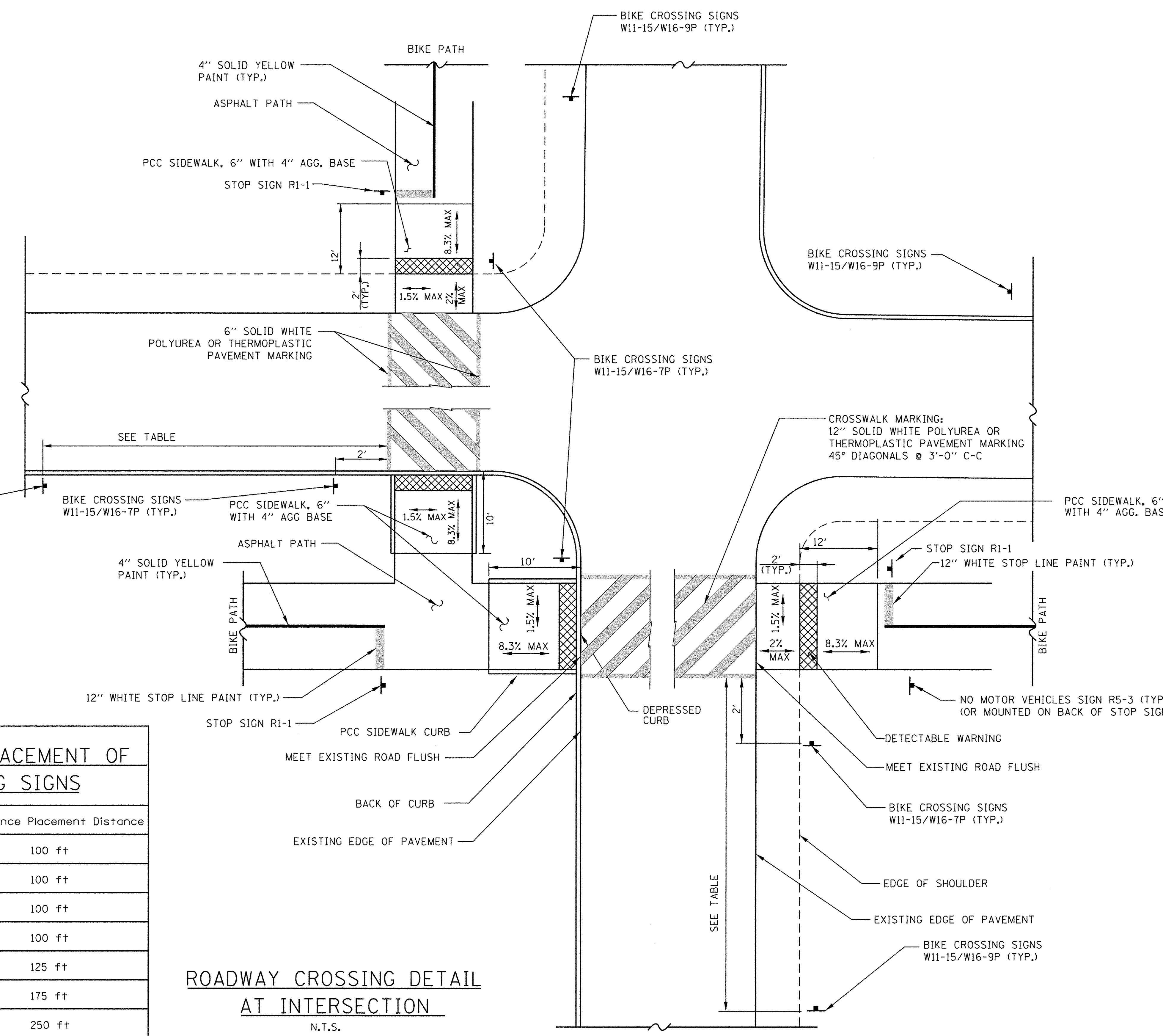
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	28
TS-05		CONTRACT NO. 61C73		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION
PCC SIDEWALK 6"

ADVANCE PLACEMENT OF WARNING SIGNS	
Posted Speed	Advance Placement Distance
20 mph	100 ft
25 mph	100 ft
30 mph	100 ft
35 mph	100 ft
40 mph	125 ft
45 mph	175 ft
50 mph	250 ft
55 mph	325 ft

ROADWAY CROSSING DETAIL
AT INTERSECTION
N.T.S.



FILE NAME = P:\Blue Island\2536745_Cal_Sag Trail\Phase 2\Roadway\Riverdale\Details\05_Intersection_Details.dgn



USER NAME = ken_moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 9.8135' / in.	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016 9:56:39 AM	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
SIDEWALK AND INTERSECTION DETAILS

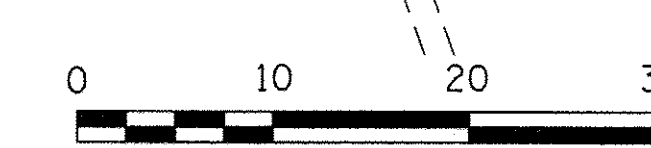
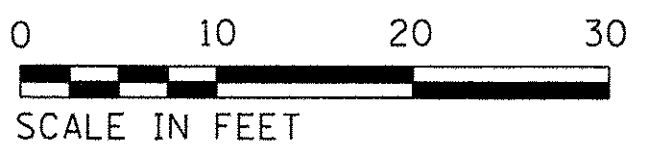
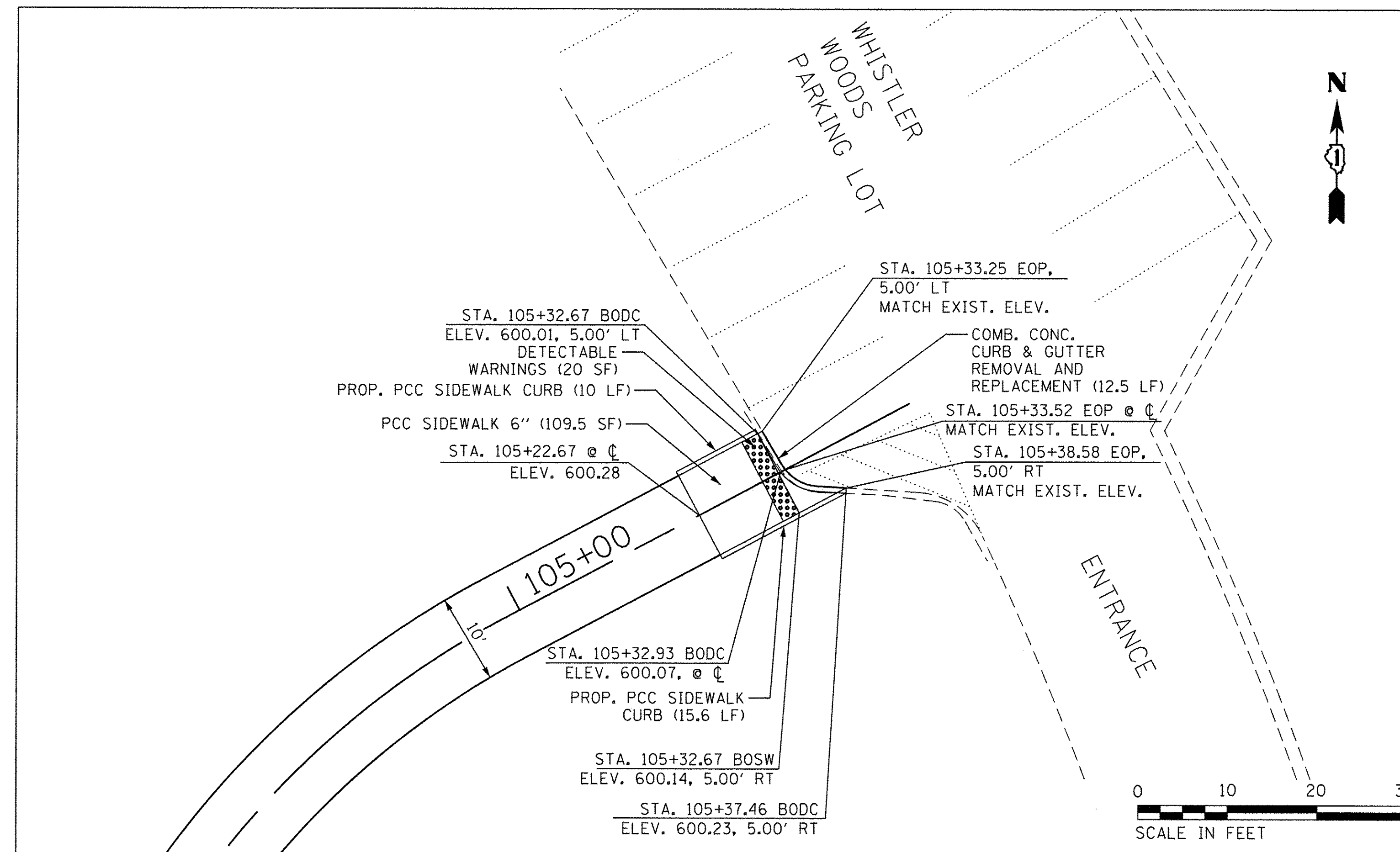
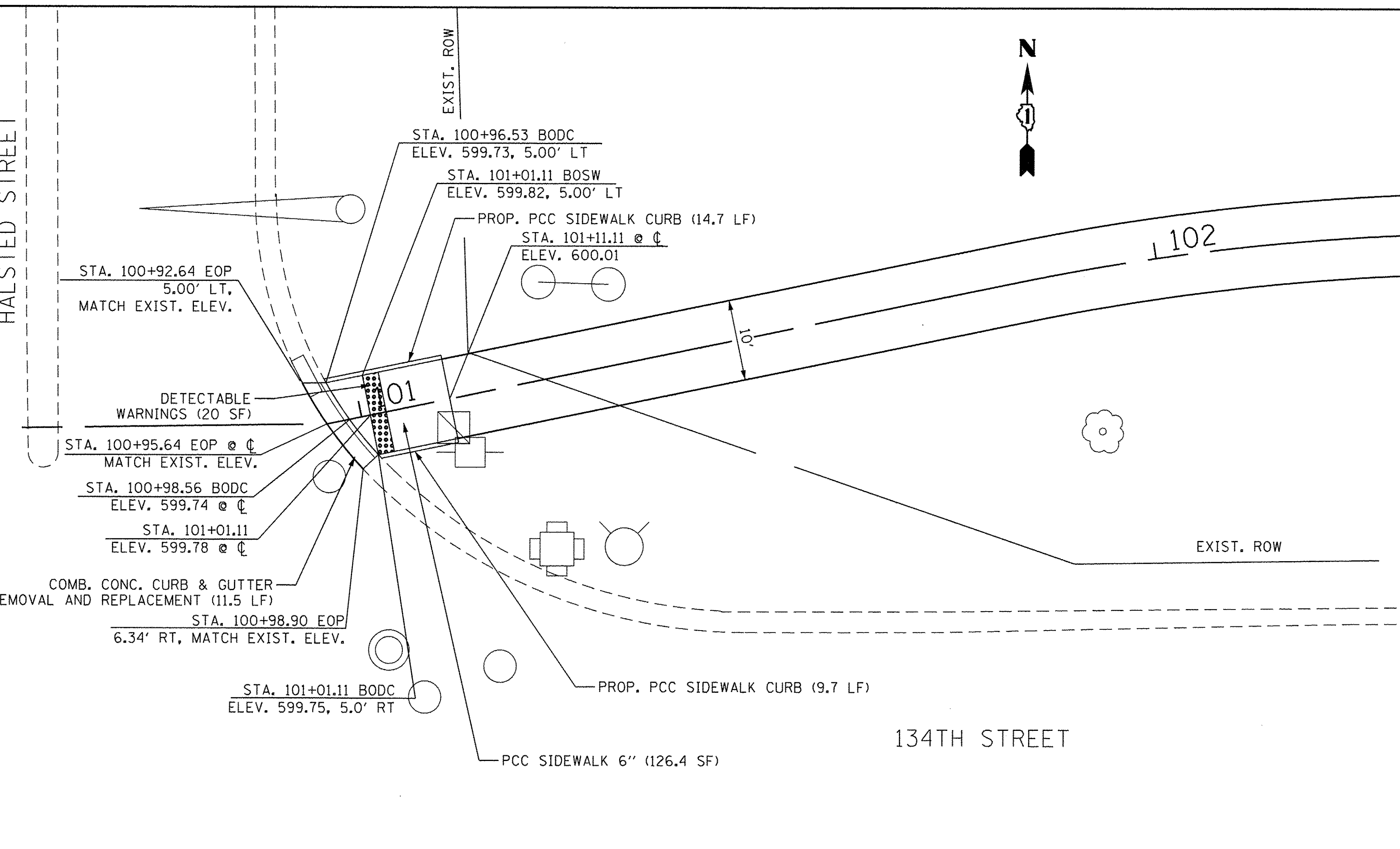
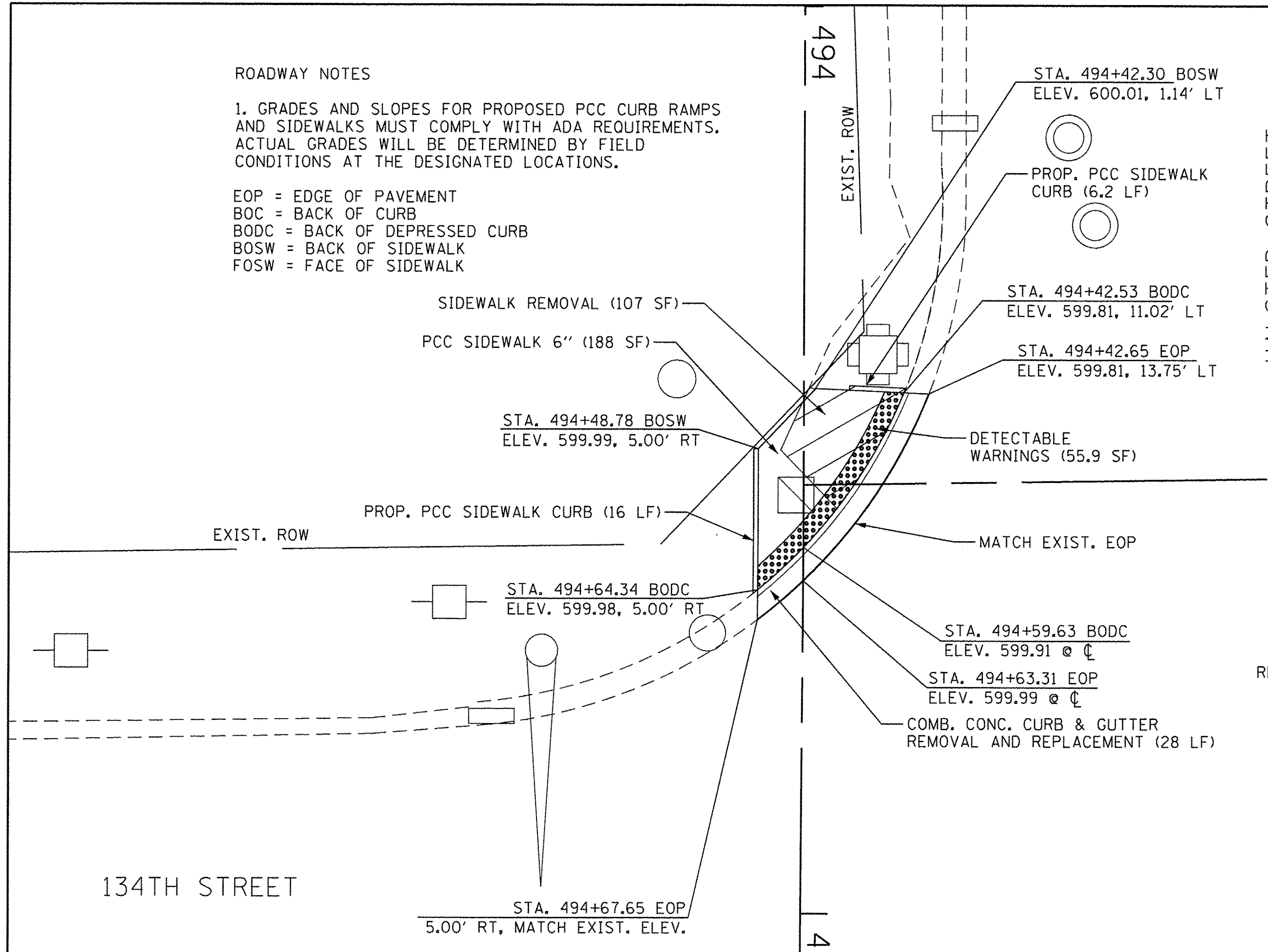
SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	29
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

ROADWAY NOTES

1. GRADES AND SLOPES FOR PROPOSED PCC CURB RAMPS AND SIDEWALKS MUST COMPLY WITH ADA REQUIREMENTS. ACTUAL GRADES WILL BE DETERMINED BY FIELD CONDITIONS AT THE DESIGNATED LOCATIONS.

EOP = EDGE OF PAVEMENT
 BOC = BACK OF CURB
 BODC = BACK OF DEPRESSED CURB
 BOSW = BACK OF SIDEWALK
 FOSW = FACE OF SIDEWALK



FILE NAME = P:\Blue Island\2016\7145_Cal-Sag\Trail\Phase 2\Roadway\Riverdale\Details\01_Sidewalk_Details.sdg



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	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 SIDEWALK DETAILS**

SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	30
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ROADWAY NOTES

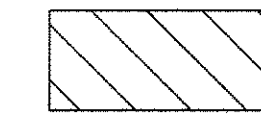
1. GRADES AND SLOPES FOR PROPOSED PCC CURB RAMPS AND SIDEWALKS MUST COMPLY WITH ADA REQUIREMENTS. ACTUAL GRADES WILL BE DETERMINED BY FIELD CONDITIONS AT THE DESIGNATED LOCATIONS.

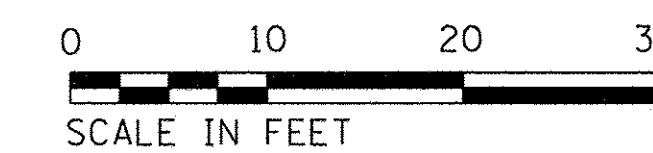
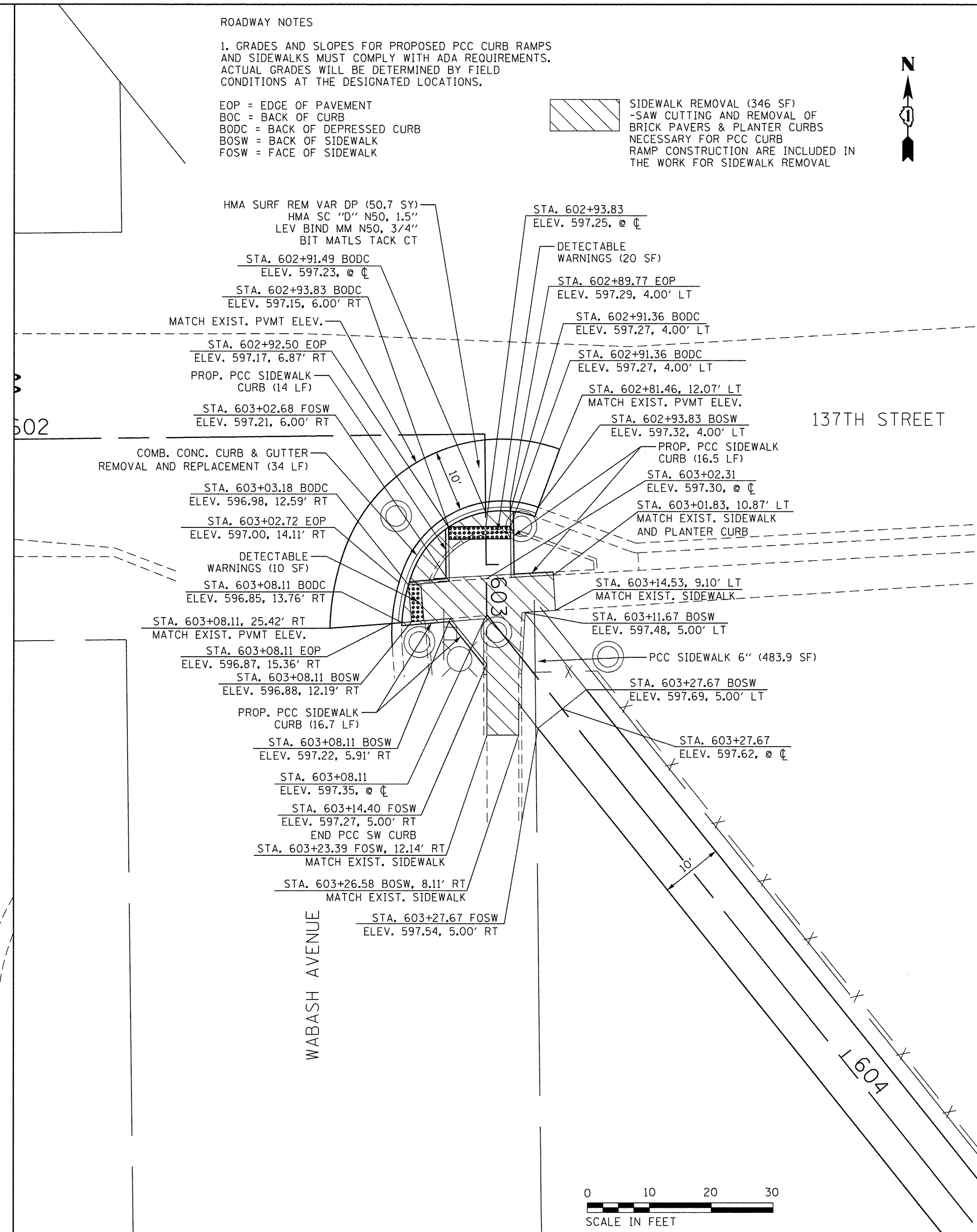
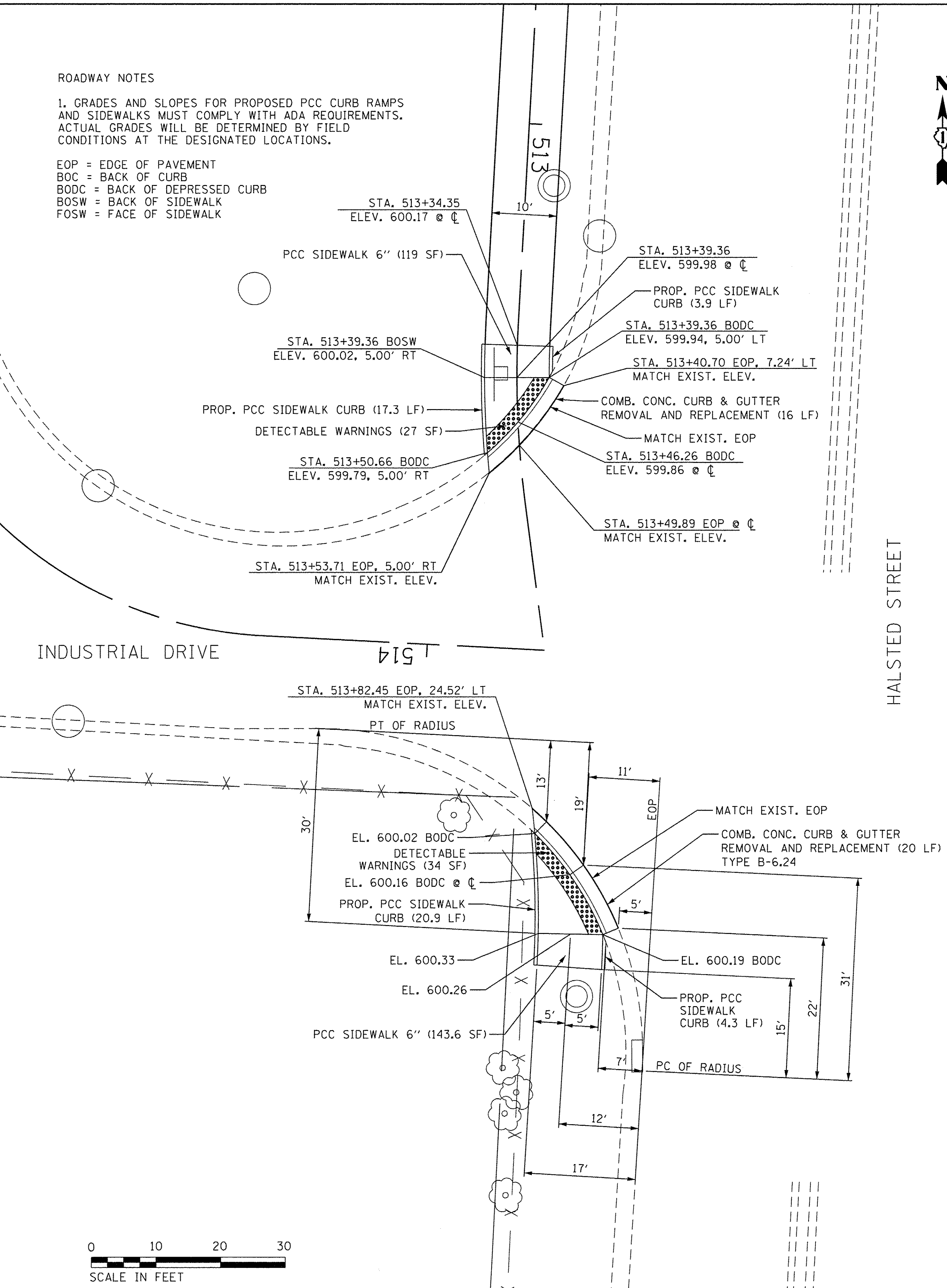
EOP = EDGE OF PAVEMENT
 BOC = BACK OF CURB
 BODC = BACK OF DEPRESSED CURB
 BOSW = BACK OF SIDEWALK
 FOSW = FACE OF SIDEWALK

ROADWAY NOTES

1. GRADES AND SLOPES FOR PROPOSED PCC CURB RAMPS AND SIDEWALKS MUST COMPLY WITH ADA REQUIREMENTS. ACTUAL GRADES WILL BE DETERMINED BY FIELD CONDITIONS AT THE DESIGNATED LOCATIONS.

EOP = EDGE OF PAVEMENT
 BOC = BACK OF CURB
 BODC = BACK OF DEPRESSED CURB
 BOSW = BACK OF SIDEWALK
 FOSW = FACE OF SIDEWALK

 SIDEWALK REMOVAL (346 SF)
 -SAW CUTTING AND REMOVAL OF BRICK PAVERS & PLANTER CURBS NECESSARY FOR PCC CURB RAMP CONSTRUCTION ARE INCLUDED IN THE WORK FOR SIDEWALK REMOVAL



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	DATE - MAY 23, 2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 SIDEWALK DETAILS

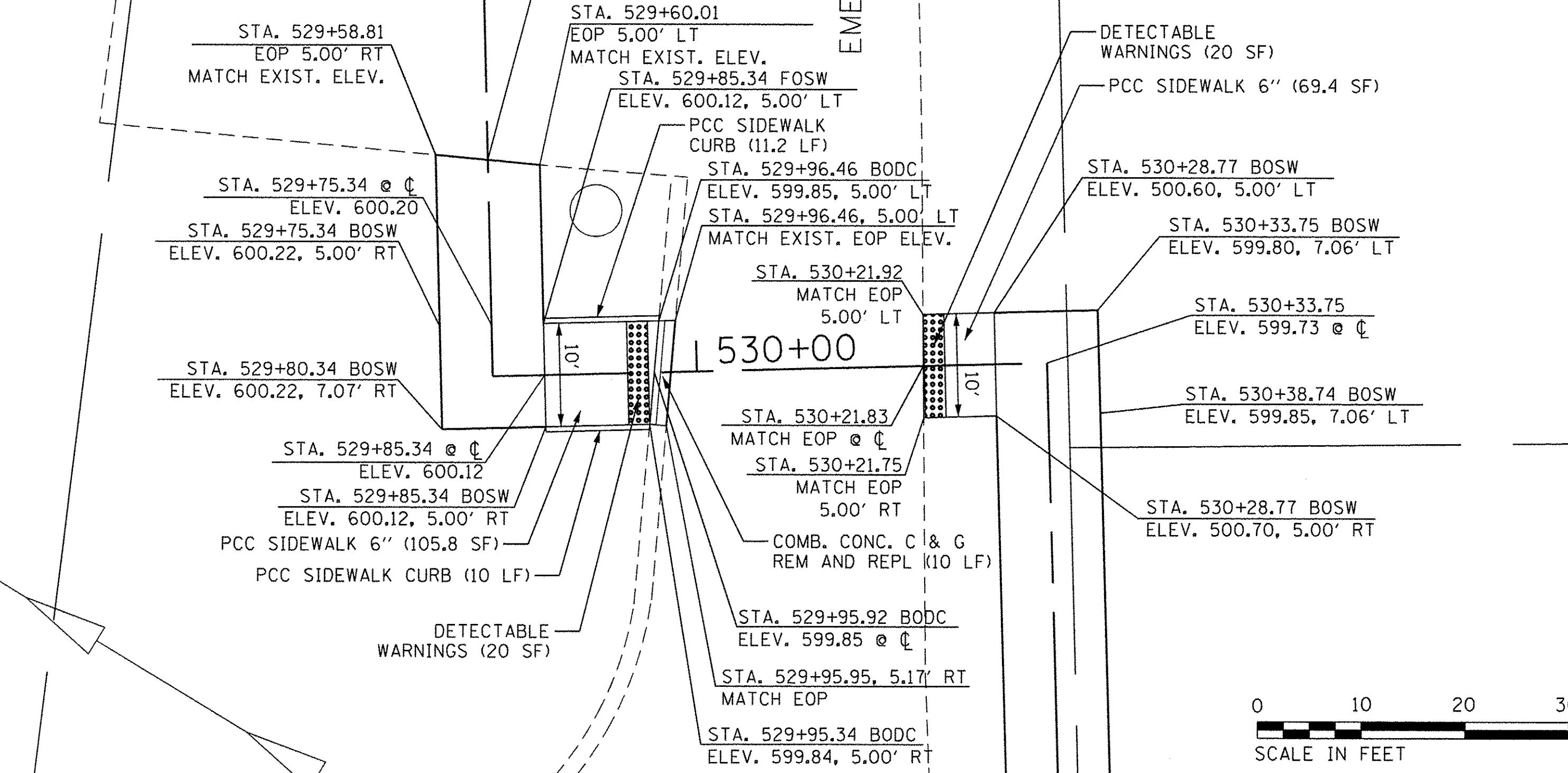
SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	31
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NOTES

1. GRADES AND SLOPES FOR PROPOSED PCC CURB RAMPS AND SIDEWALKS MUST COMPLY WITH ADA REQUIREMENTS. ACTUAL GRADES WILL BE DETERMINED BY FIELD CONDITIONS AT THE DESIGNATED LOCATIONS.

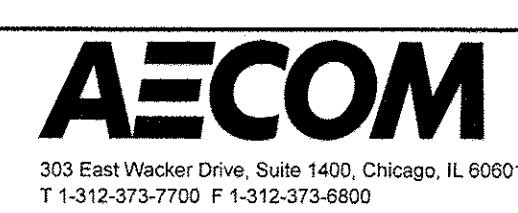
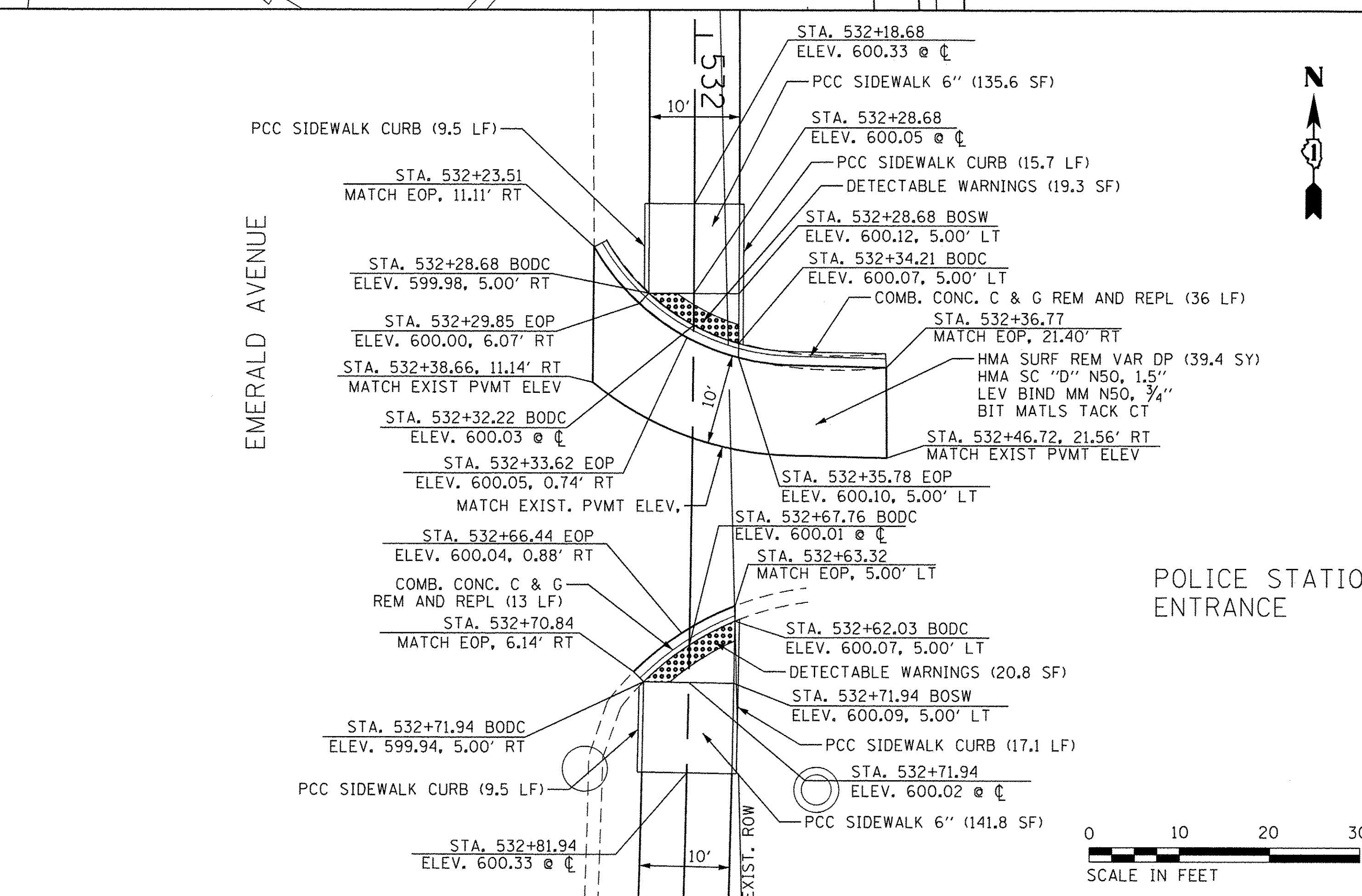
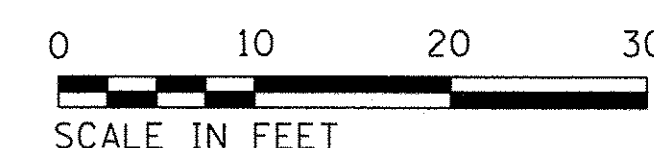
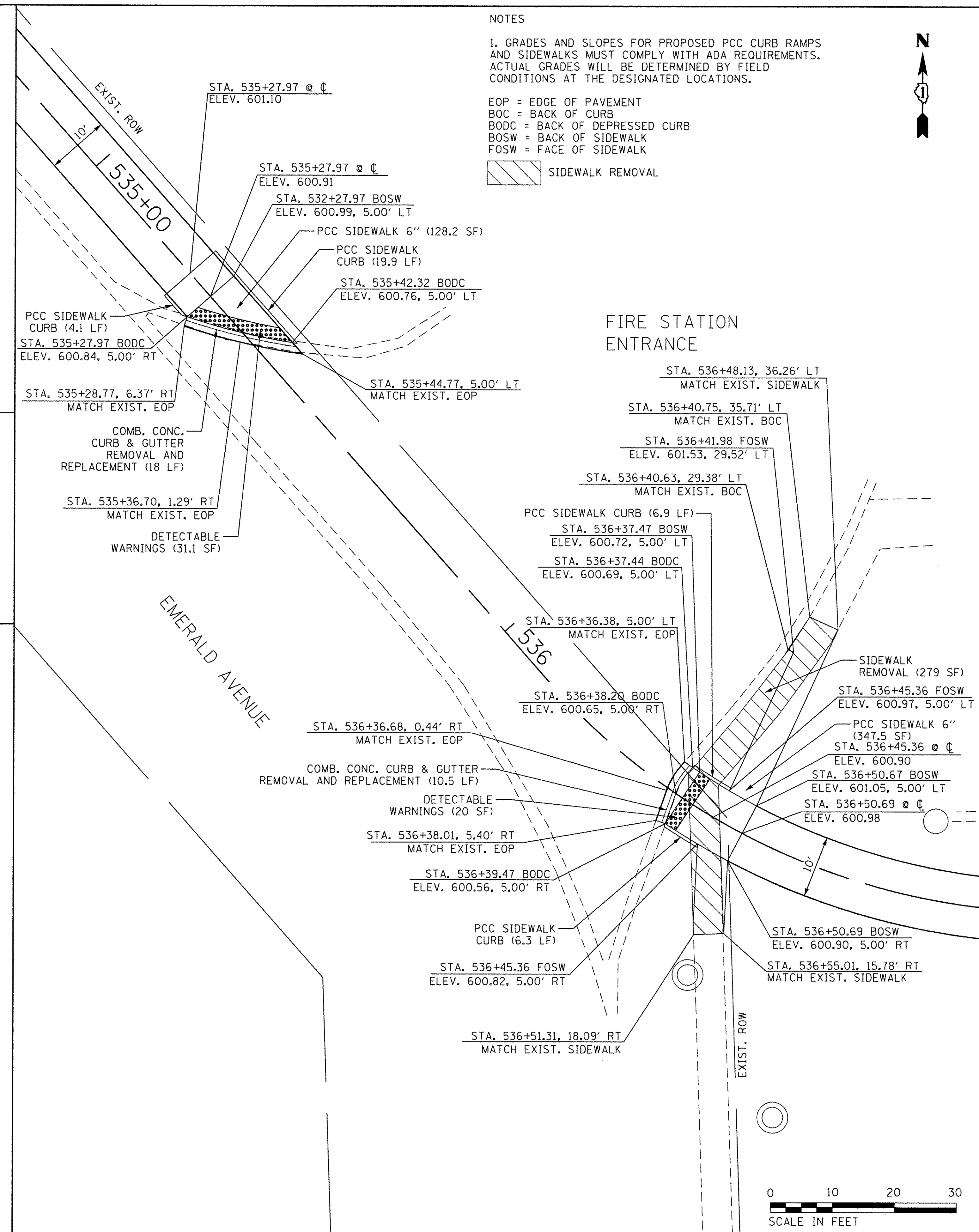
EOP = EDGE OF PAVEMENT
 BOC = BACK OF CURB
 BODC = BACK OF DEPRESSED CURB
 BOSW = BACK OF SIDEWALK
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NOTES

1. GRADES AND SLOPES FOR PROPOSED PCC CURB RAMPS AND SIDEWALKS MUST COMPLY WITH ADA REQUIREMENTS. ACTUAL GRADES WILL BE DETERMINED BY FIELD CONDITIONS AT THE DESIGNATED LOCATIONS.

EOP = EDGE OF PAVEMENT
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 BODC = BACK OF DEPRESSED CURB
 BOSW = BACK OF SIDEWALK
 FOSW = FACE OF SIDEWALK



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PLOT SCALE = 9.8135' / 1"	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016 9:56:43 AM	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT) SIDEWALK DETAILS			
SHEET NO.	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	32
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

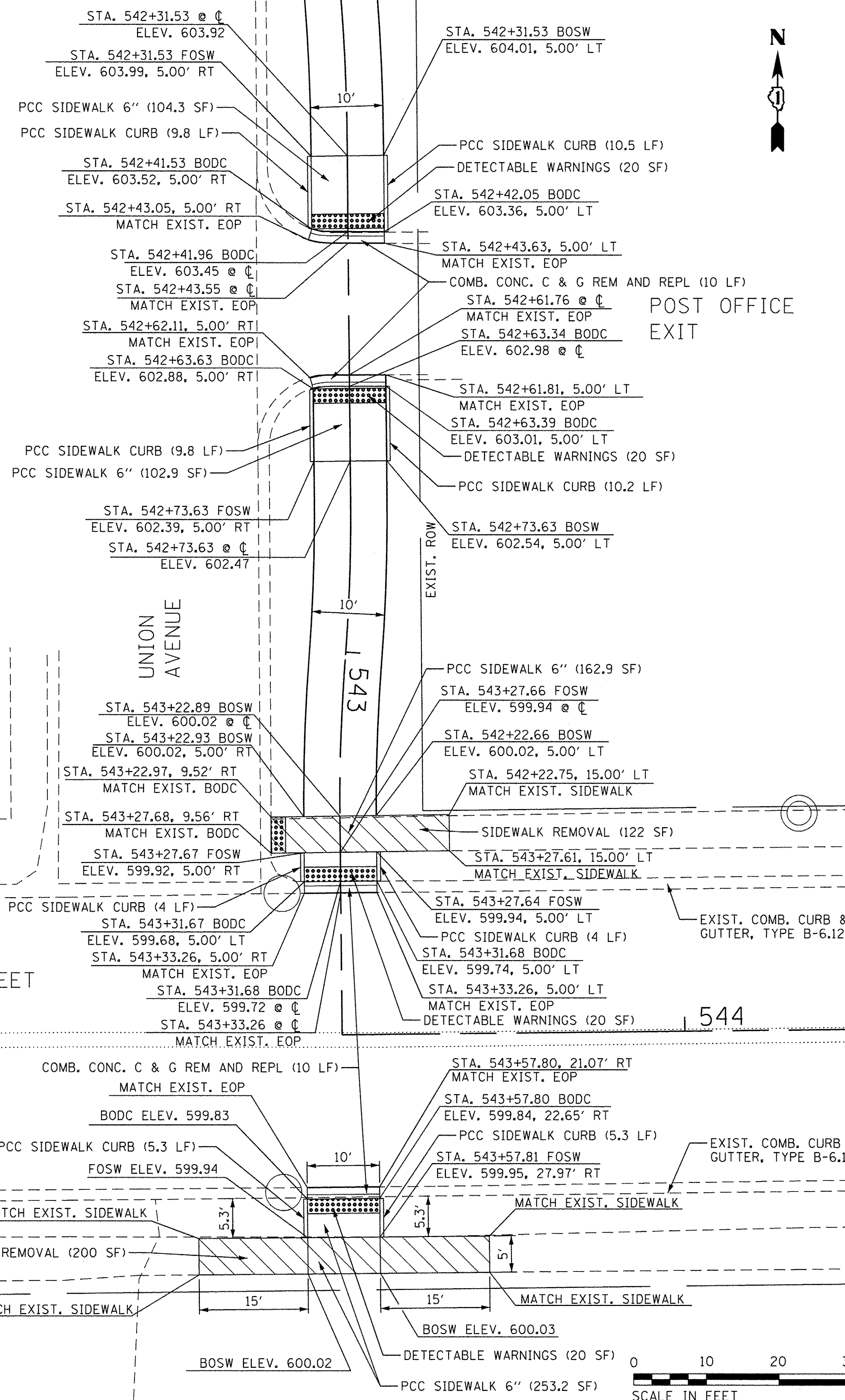
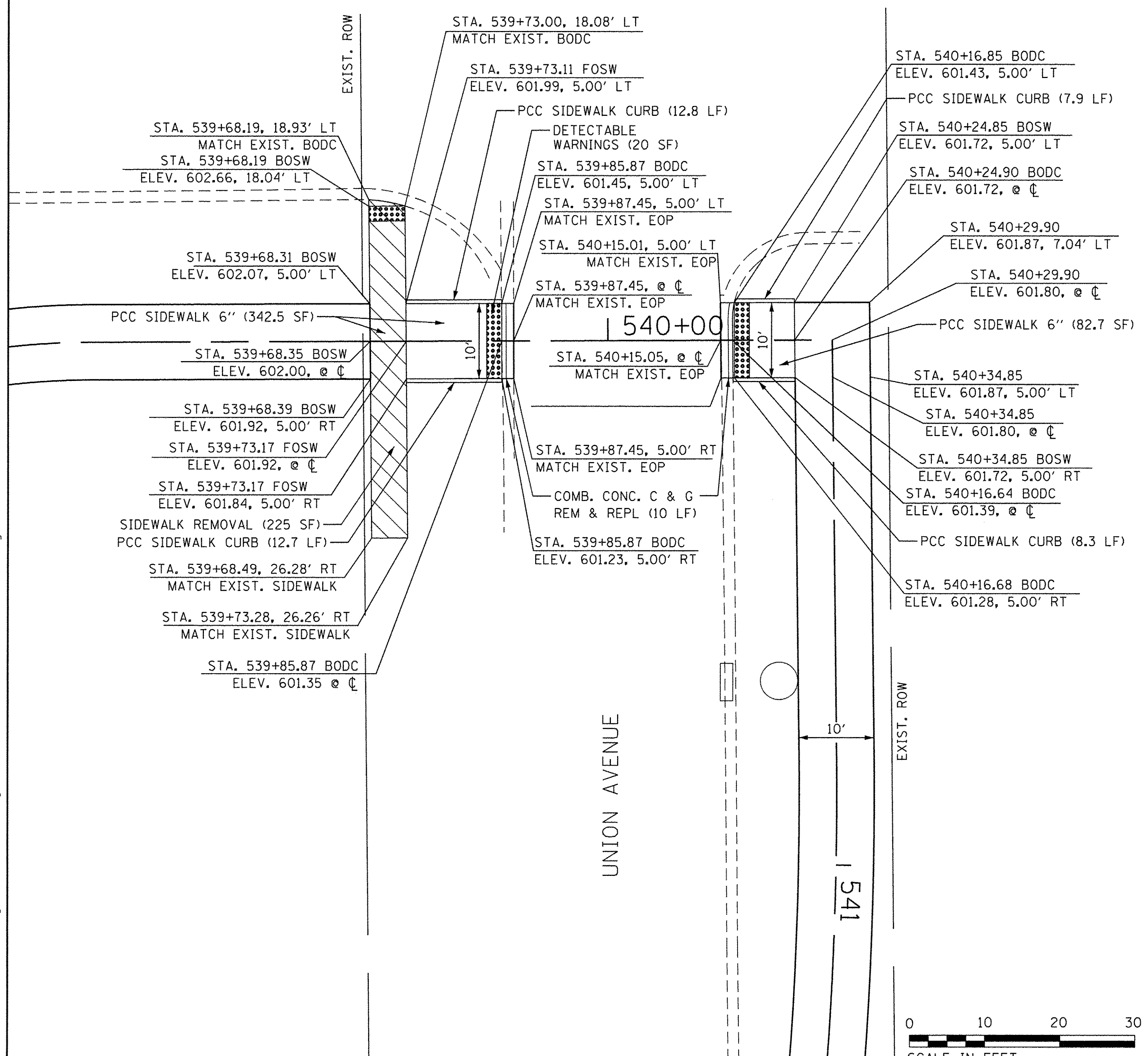
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ROADWAY NOTES

1. GRADES AND SLOPES FOR PROPOSED PCC CURB RAMPS AND SIDEWALKS MUST COMPLY WITH ADA REQUIREMENTS. ACTUAL GRADES WILL BE DETERMINED BY FIELD CONDITIONS AT THE DESIGNATED LOCATIONS.

EOP = EDGE OF PAVEMENT
 BODC = BACK OF DEPRESSED CURB
 BOSW = BACK OF SIDEWALK
 FOSW = FACE OF SIDEWALK

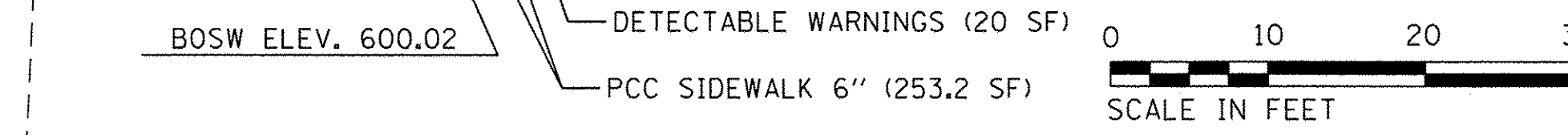
VILLAGE OF RIVERDALE
 MUNICIPAL CENTER



UNION AVENUE

138TH STREET

544



FILE NAME = P:\Blue Island\25367145_Cal-Sag\Trail\Phase 2\Roadway\Riverdale\Details\04_Sidewalk_Details.dgn



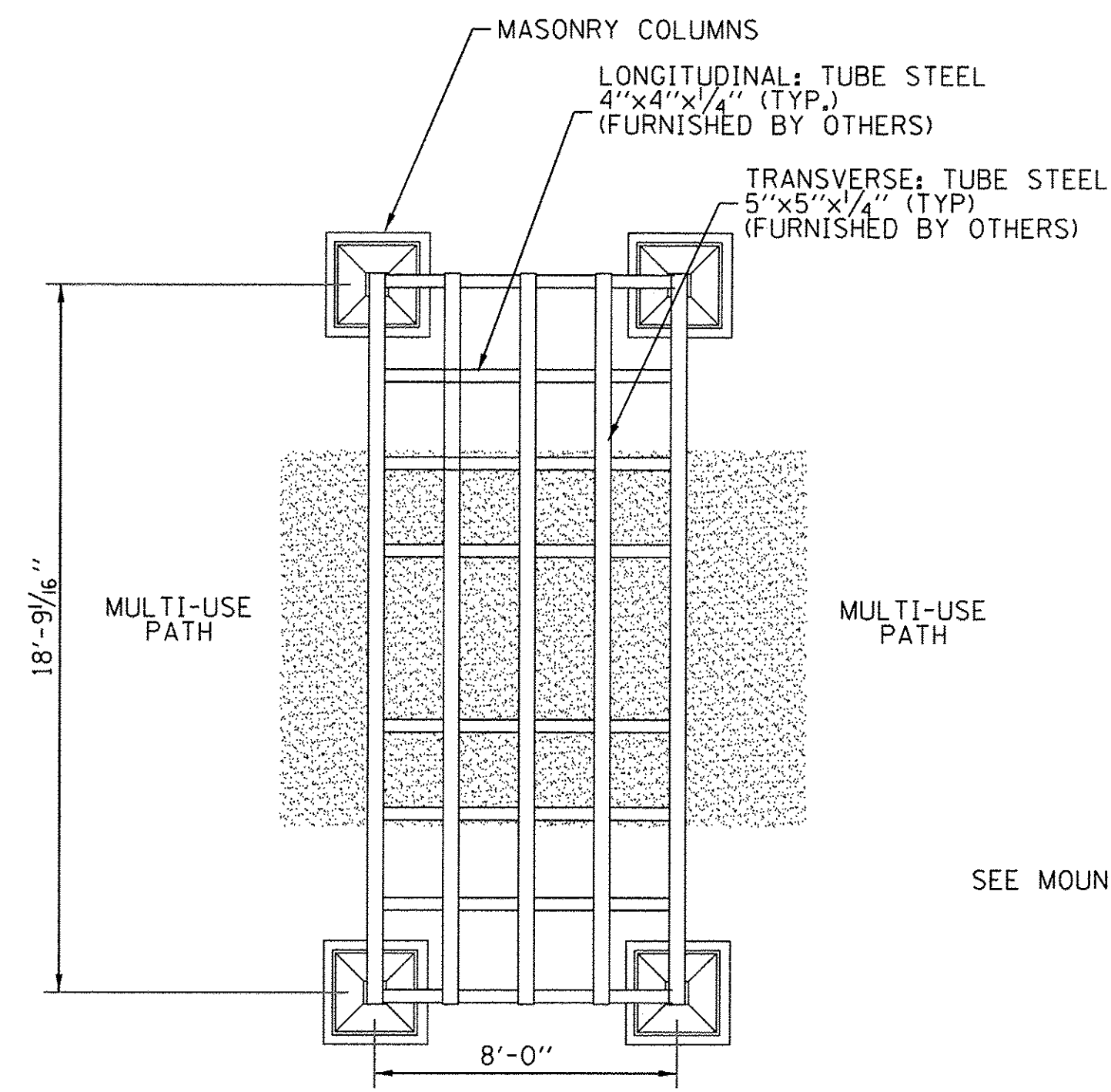
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	DATE - MAY 23, 2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 SIDEWALK DETAILS

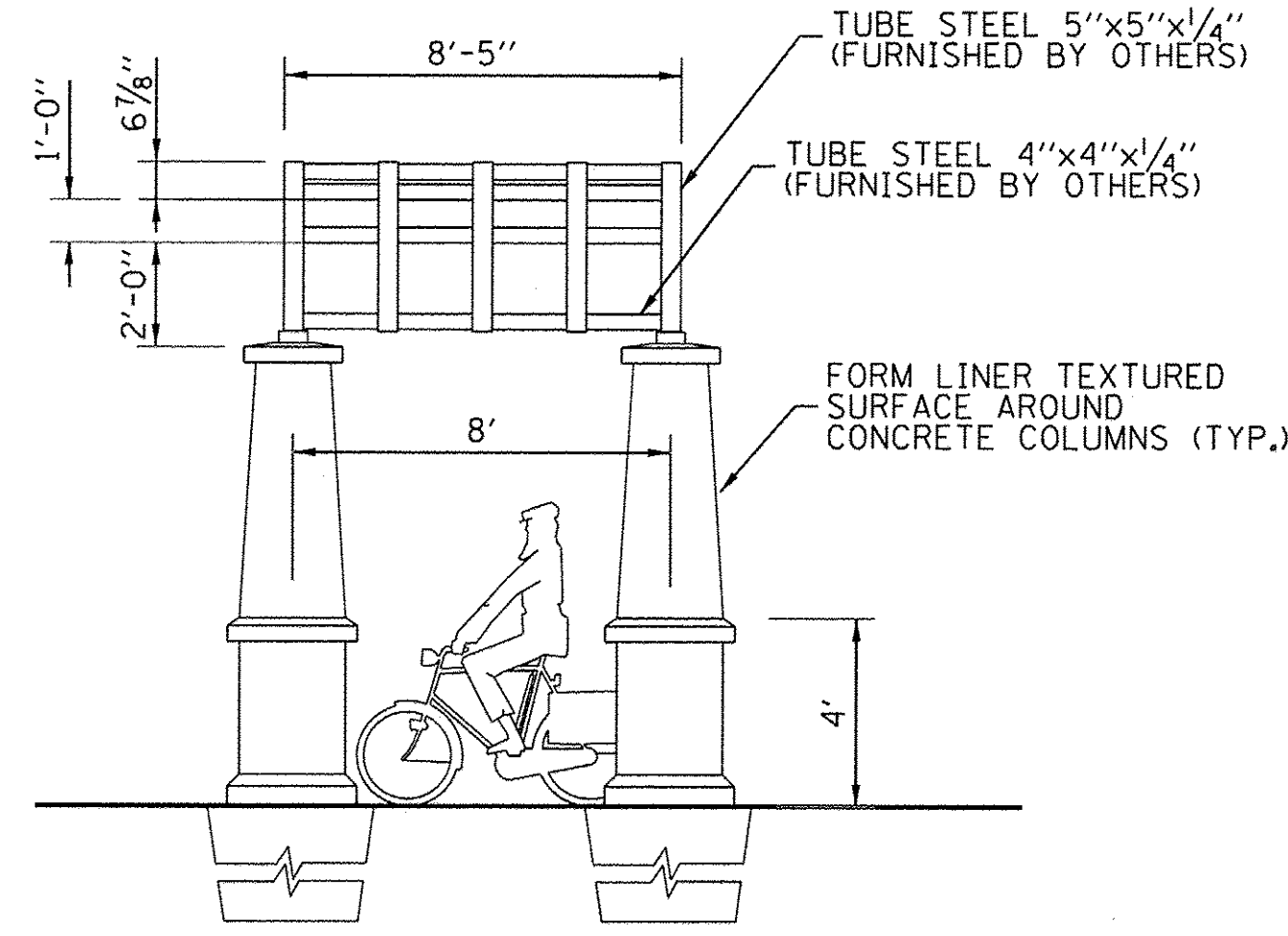
SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	33
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

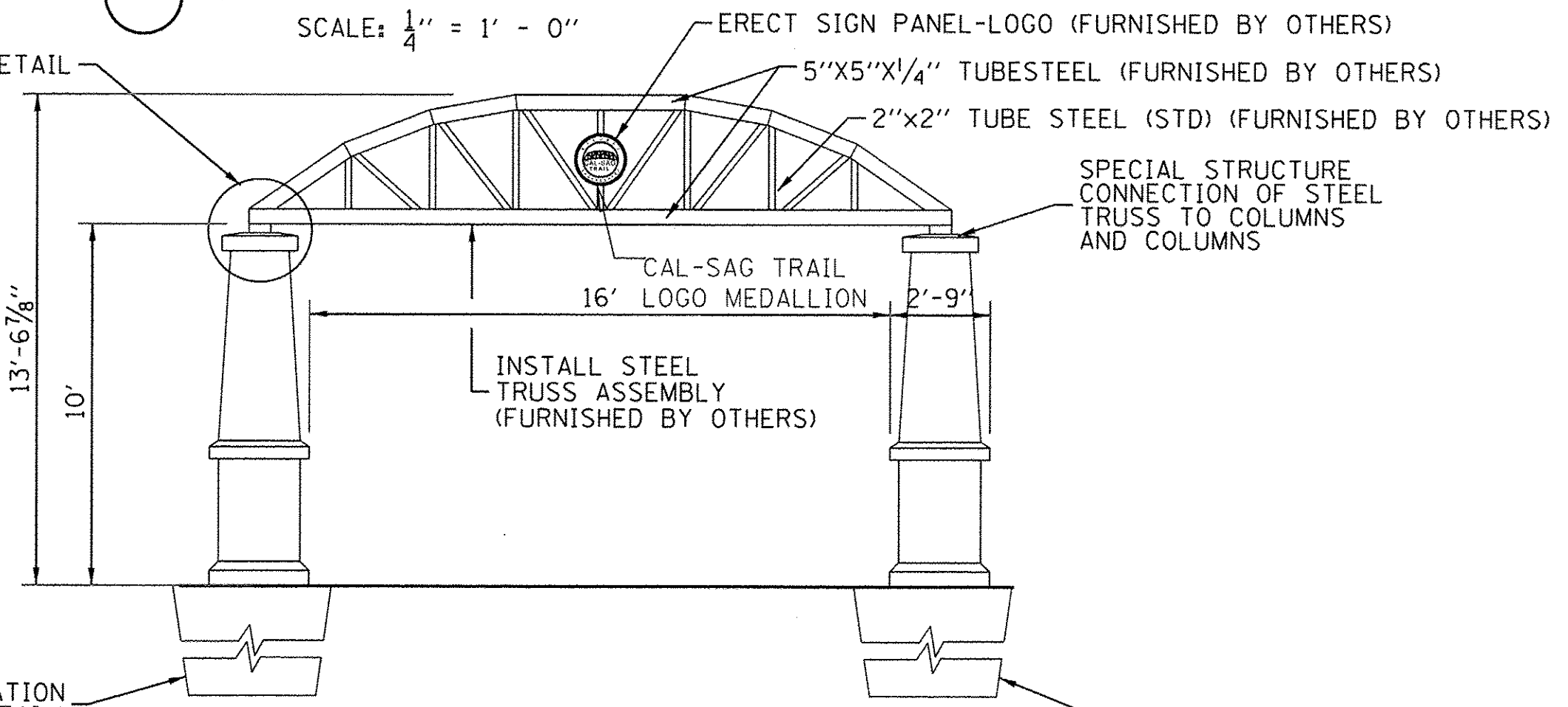


PLAN VIEW
SCALE: 1/4" = 1' - 0"

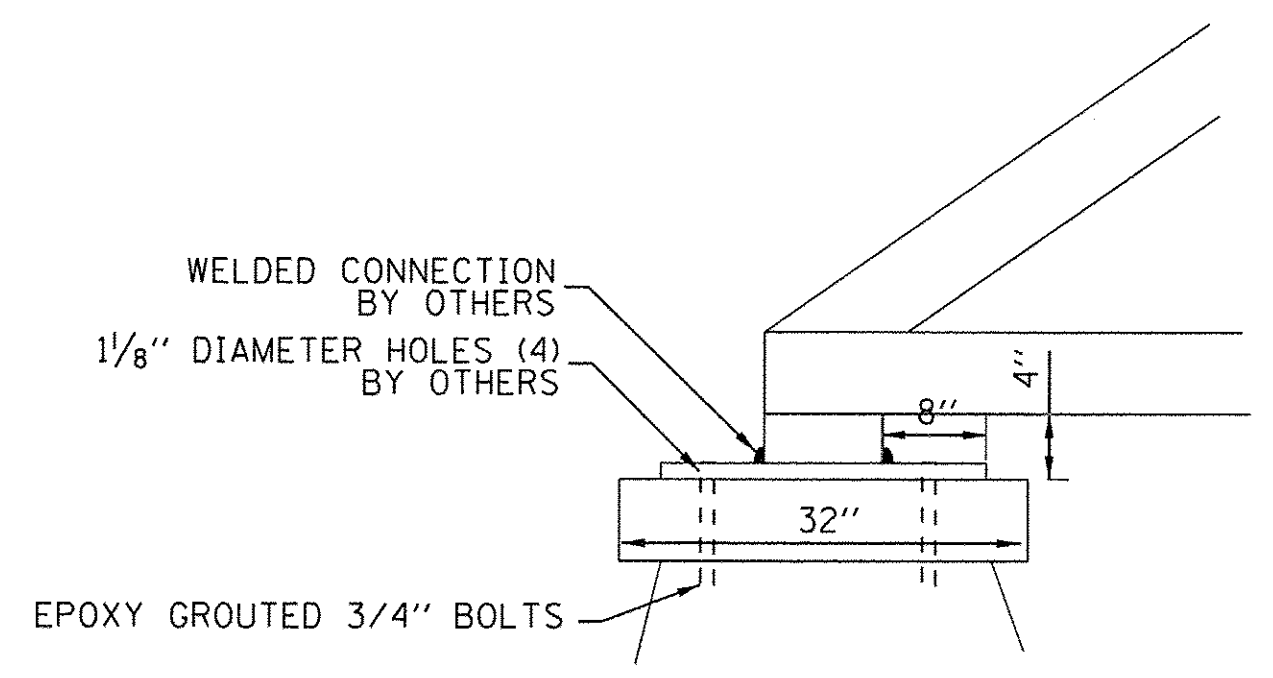
NOTES:
THIS SCHEME CELEBRATES THE ICONIC STEEL TRUSS BRIDGES OF THE CALUMET-SAG CHANNEL. THE COLUMNAR ELEMENTS SYMBOLIZE THE ABUTMENTS AND THE LATTICE STRUCTURES MIMIC THE LOW PRATT TRUSS - FULL SLOPE BRIDGE DESIGN.
STEEL TRUSS TO BE ASSEMBLY BY OTHERS PRIOR TO INSTALLATION. ALL CONNECTIONS TO BE WELDED, EXCEPT WHERE SHOWN.



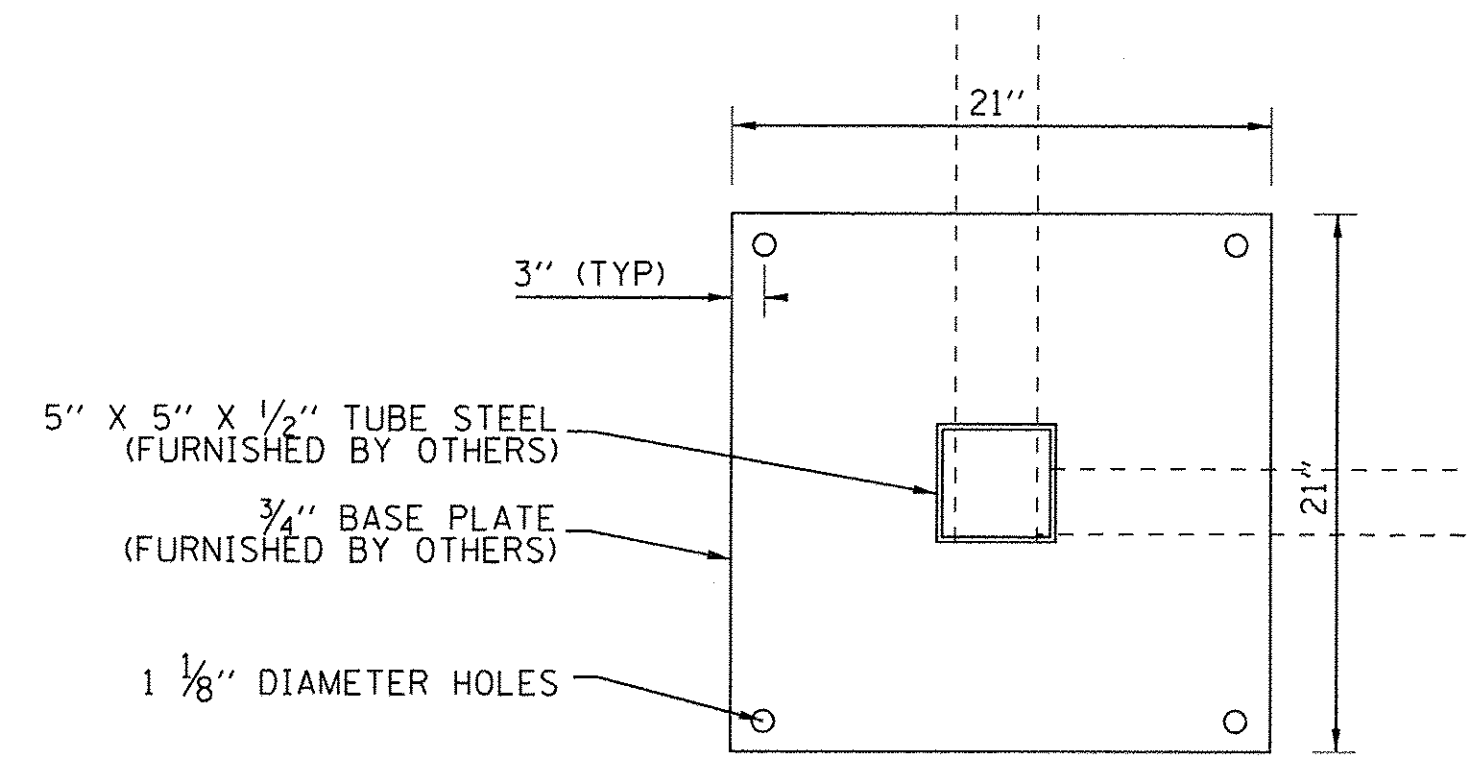
SIDE ELEVATION
SCALE: 1/4" = 1' - 0"



FRONT / REAR ELEVATION
SCALE: 1/4" = 1' - 0"



MOUNTING DETAIL
NOT TO SCALE

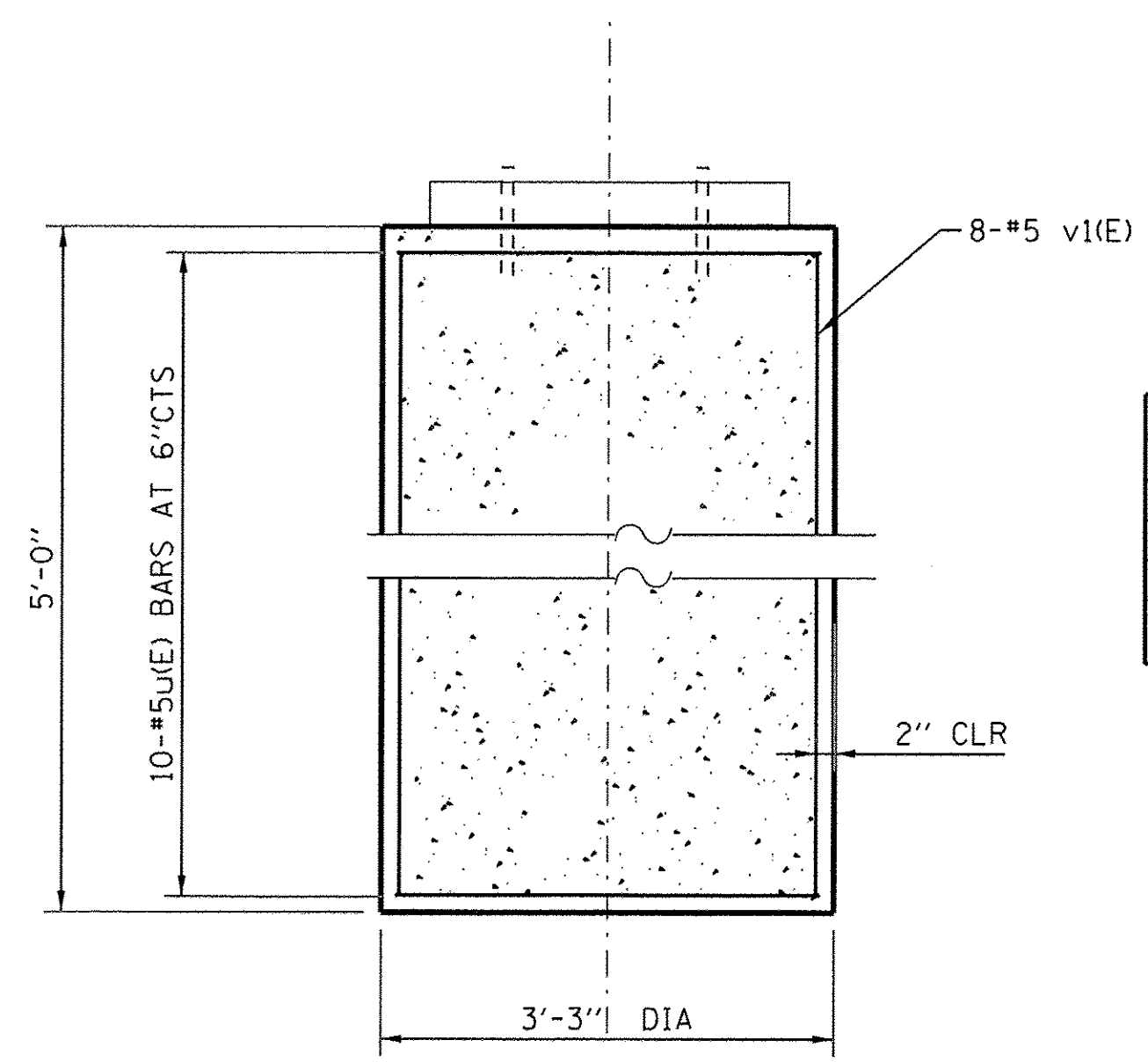


BASE PLATE PLAN VIEW
NOT TO SCALE

SIZE OF LETTERS SHALL BE 1" MINIMUM (UPPER CASE)
STAMPED GALVANIZED STEEL (ONE SIDE STAMPED)

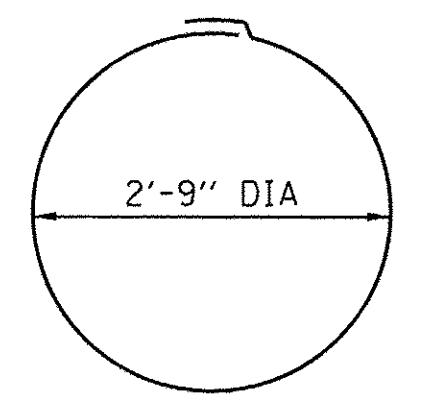


DECORATIVE GATEWAY ELEMENT

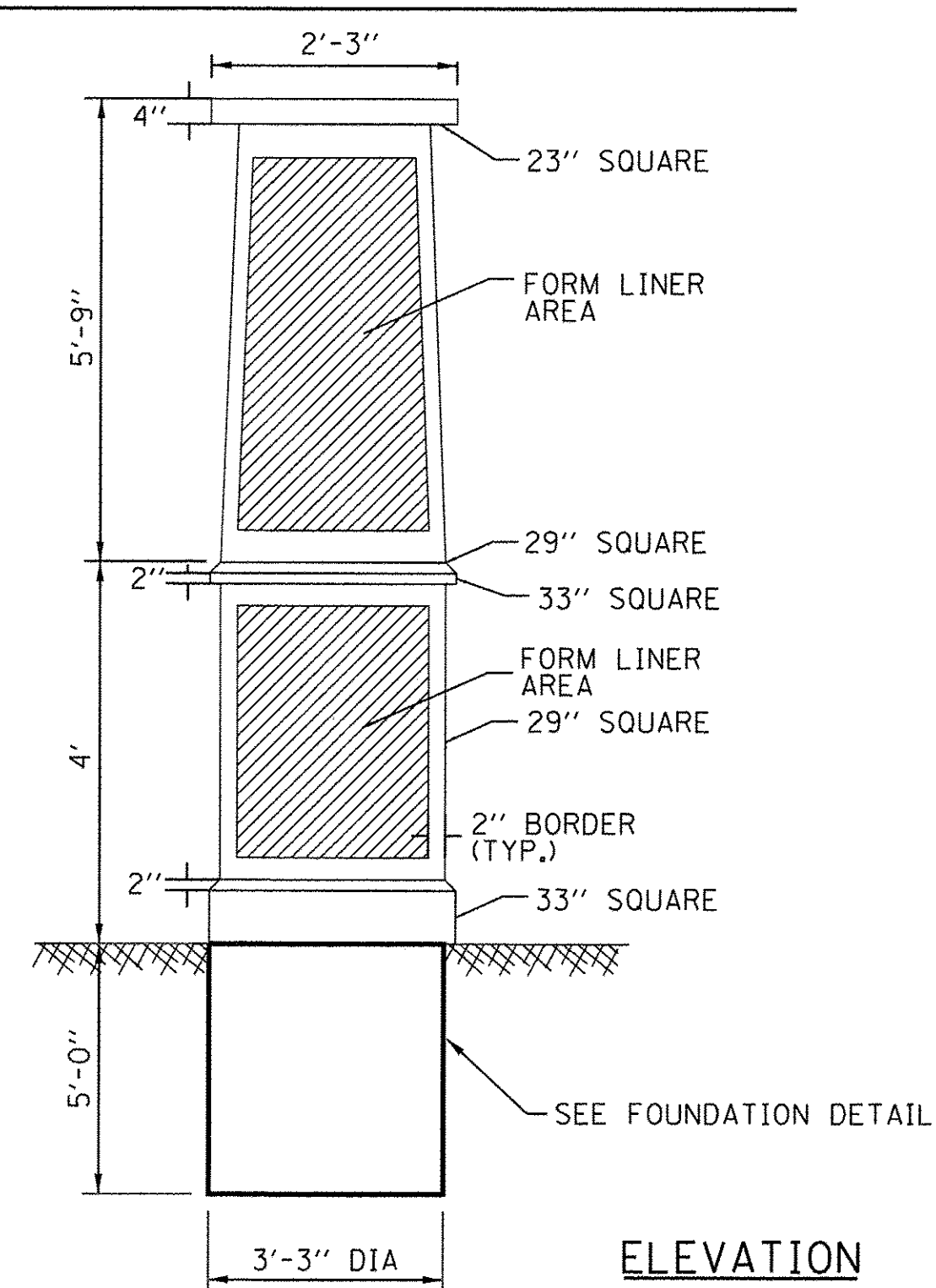


BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
v1(E)	8	#5	4'-8"	—
u1(E)	10	#5	12'-0"	○
CONCRETE STRUCTURE			CU. YD.	1.5
STRUCTURE EXCAVATION			CU. YD.	4.0
REINFORCEMENT BARS, EPOXY COATED			POUND	170

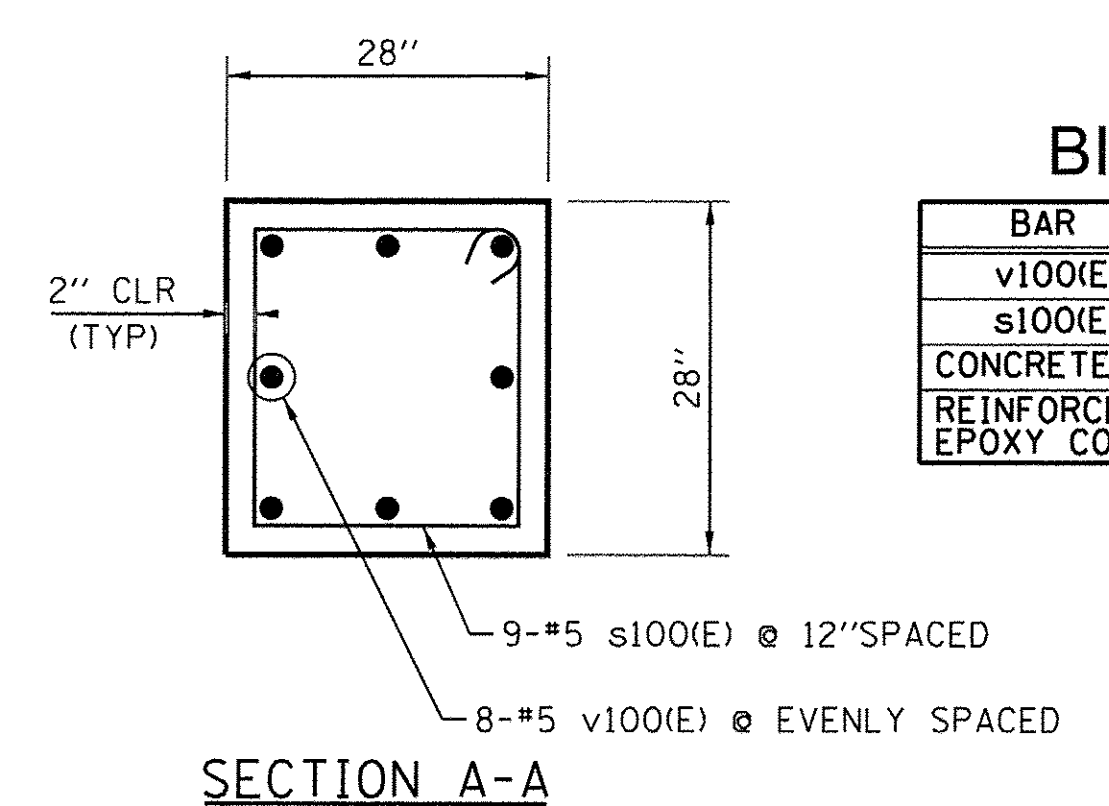


u1 (E) BAR



ELEVATION

DECORATIVE GATEWAY ELEMENT LOGO DETAIL
NOT TO SCALE FURNISHED BY OTHERS



SECTION A-A

BILL OF MATERIAL

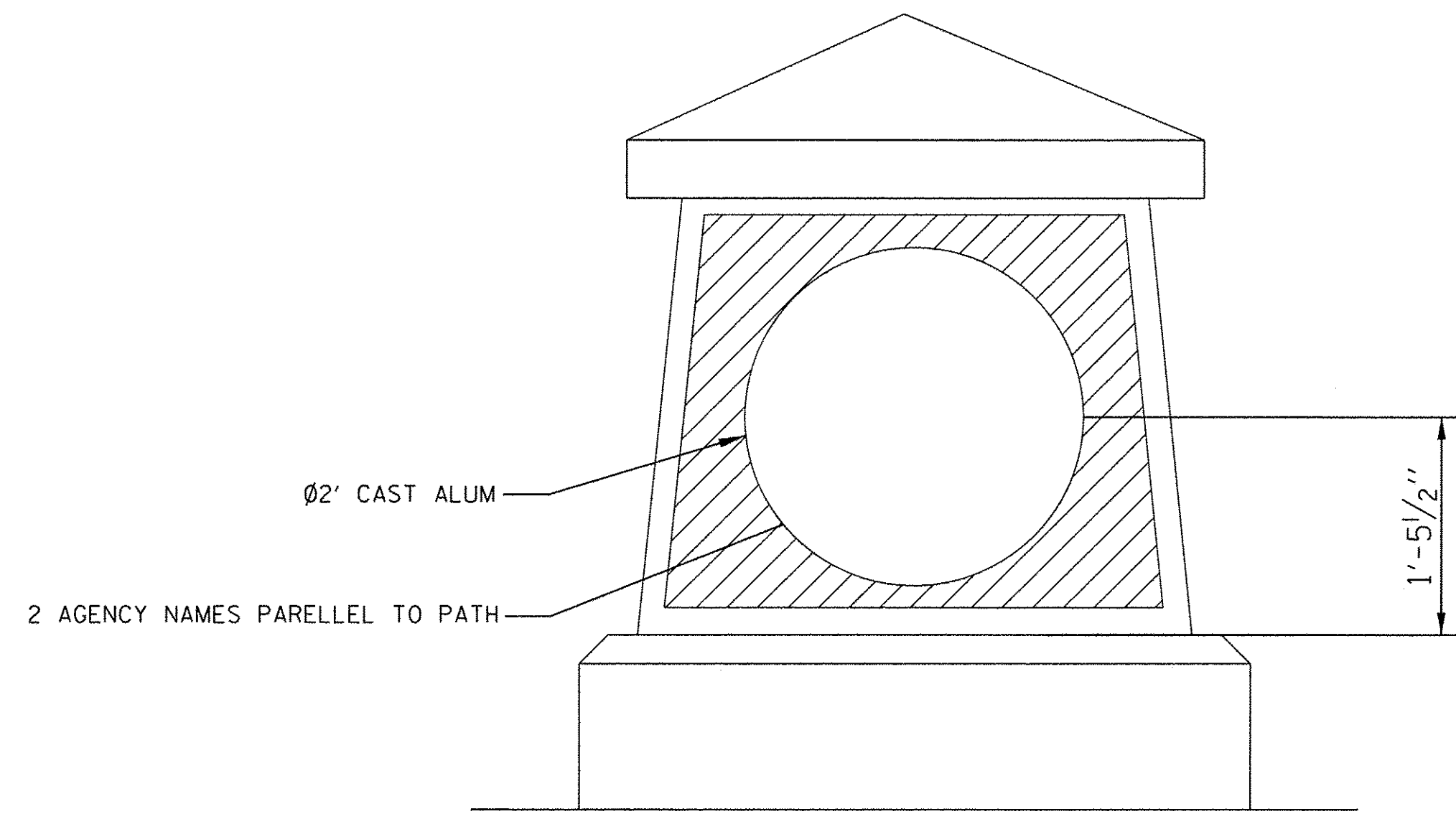
BAR	NO.	SIZE	LENGTH	SHAPE
v100(E)	8	#5	14'-4"	—
s100(E)	9	#5	8'-6"	□
CONCRETE STRUCTURE			CU. YD.	2.0
REINFORCEMENT BARS, EPOXY COATED			POUND	200

DECORATIVE GATEWAY ELEMENT CONCRETE COLUMN DETAILS
NOT TO SCALE

DECORATIVE GATEWAY ELEMENT & GATEWAY MONUMENT SIGN COMPLETE FOUNDATION DETAILS
NOT TO SCALE

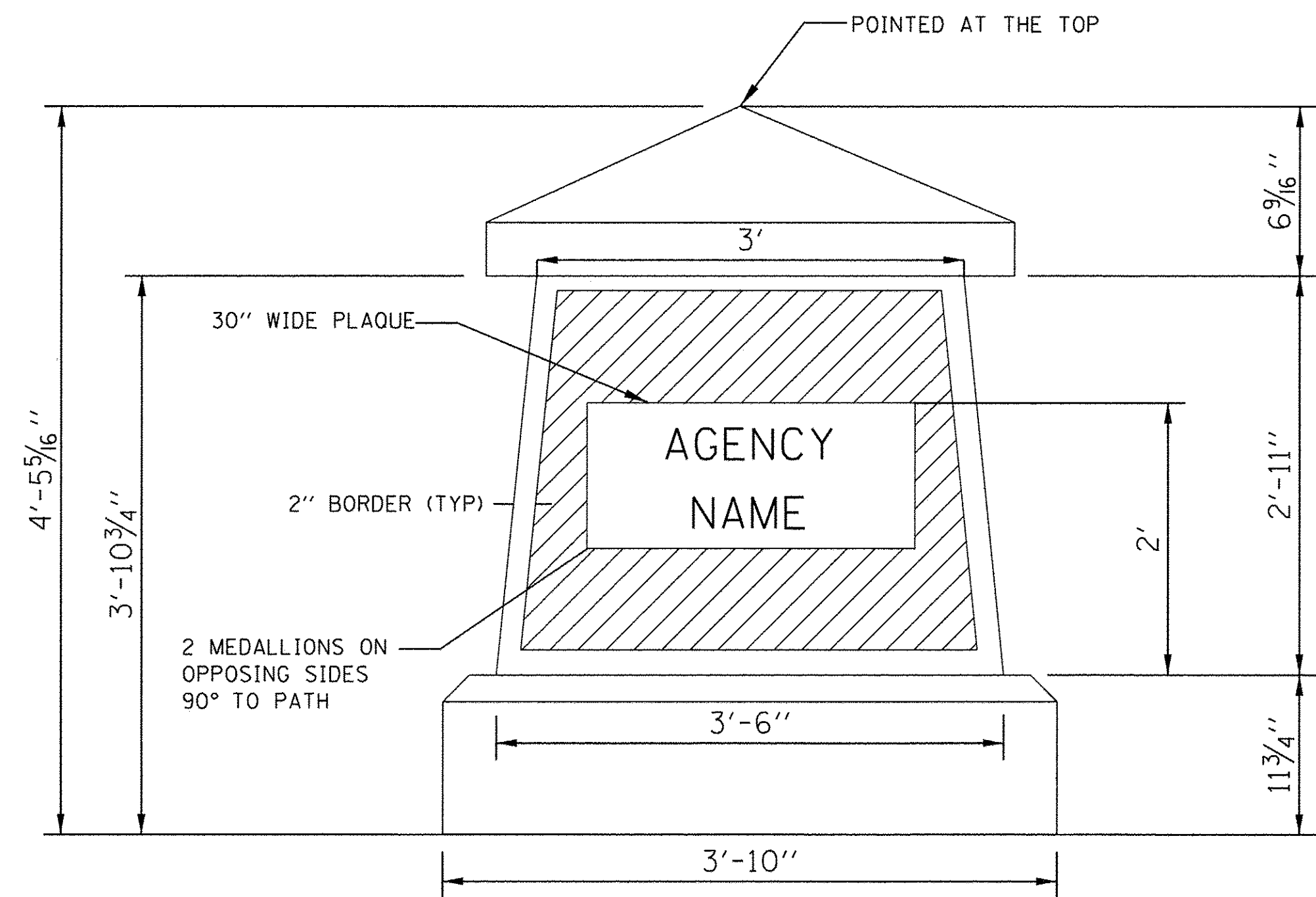
FILE NAME = P:\Blue Island\25387145_Cal-Sag Trail\Phase 2\Roadway\Riverdale\Details\05a_Gateway-Riverdale.dgn

INSTALL CAST ALUMINUM MEDALLIONS ON 2 SIDES OF PIER
 INSTALL AGENCY NAME PLATES ON 2 SIDES OF PIER
 FORM LINER WILL BE RECESSED WITH 2" REVEAL AT PANEL PERIMETER

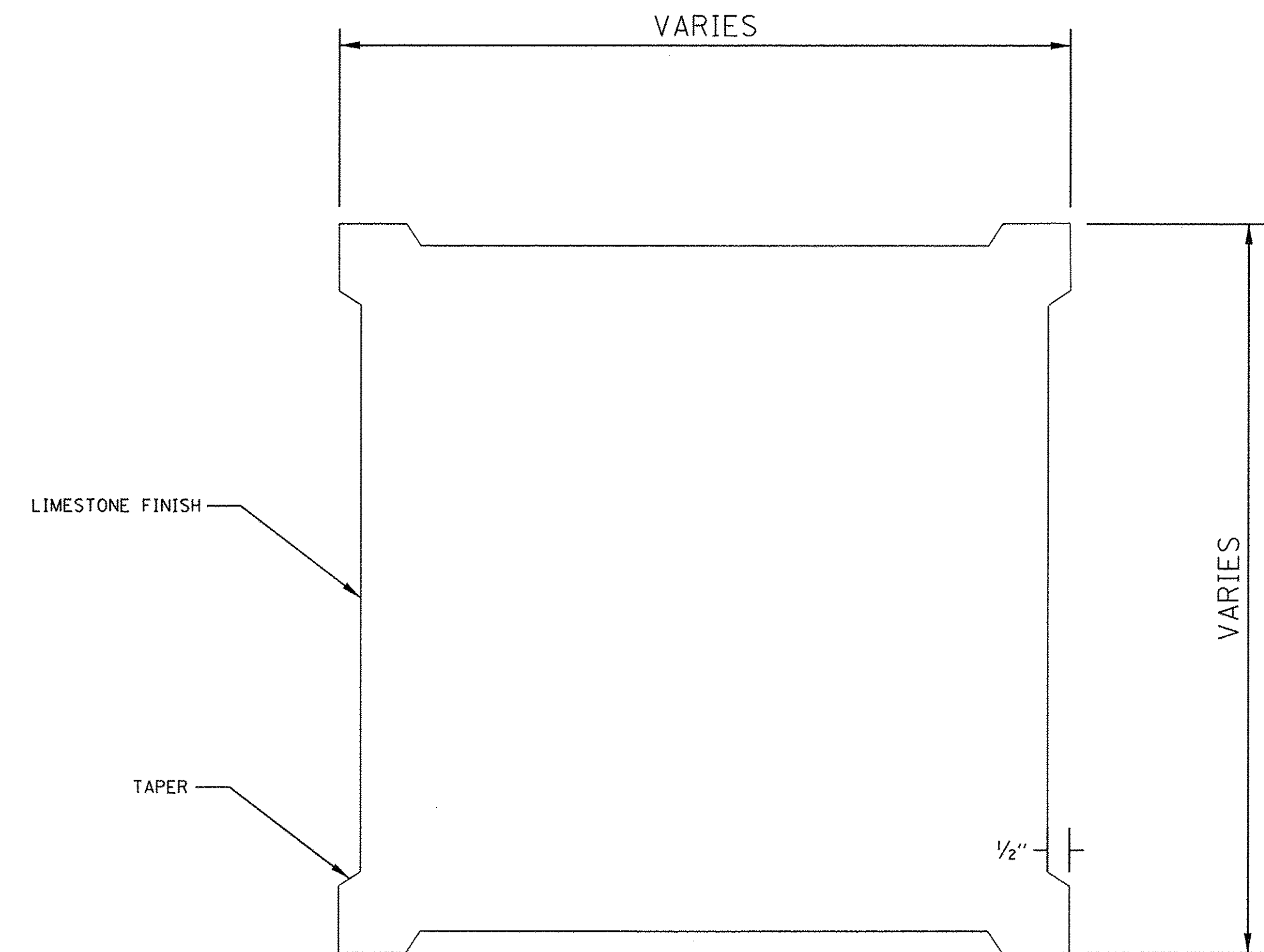


GATEWAY MONUMENT MEDALLION SIGN

FORM LINER SELECTION IS "LIMESTONE"



GATEWAY MONUMENT AGENCY NAME SIGN



SECTION A
 TYP. OF UPPER & LOWER AREAS

FILE NAME = F:\Blue Island\25367145_Cal-SagTrail\Phase 2\Roadway\Riverdale\Details\Details 06 GatewayMonument.dgn



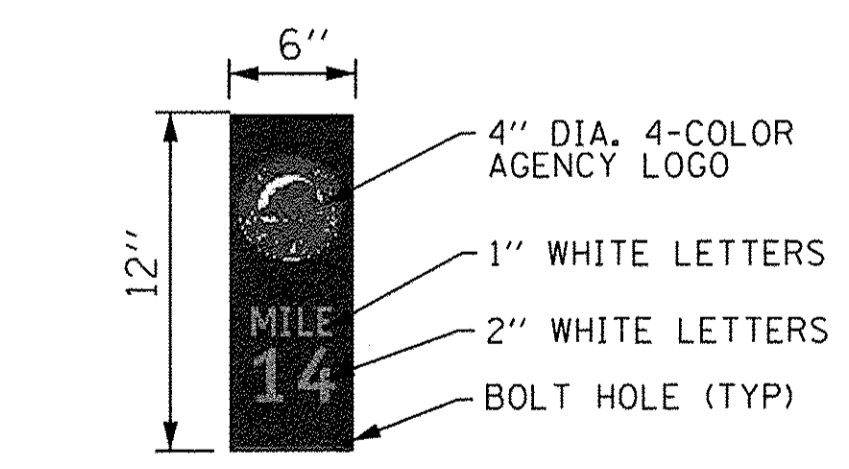
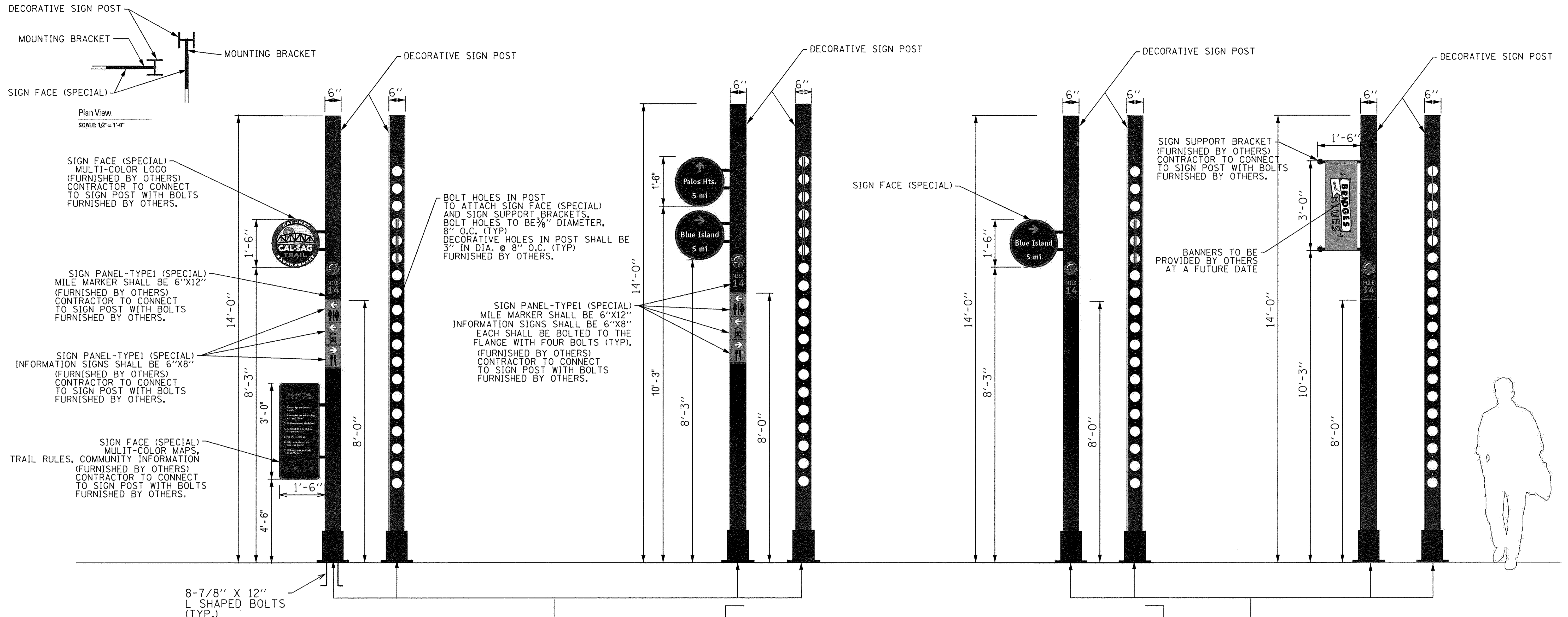
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PLOT DATE = 5/24/2016 9:56:47 AM	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

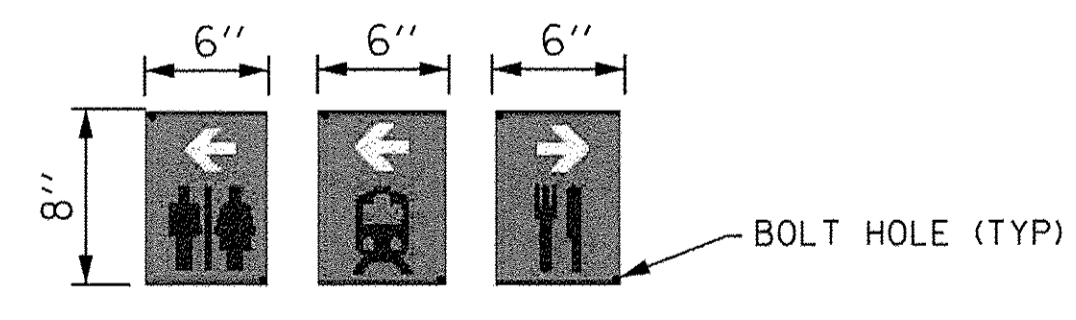
CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 GATEWAY MONUMENT SIGN DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	35
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

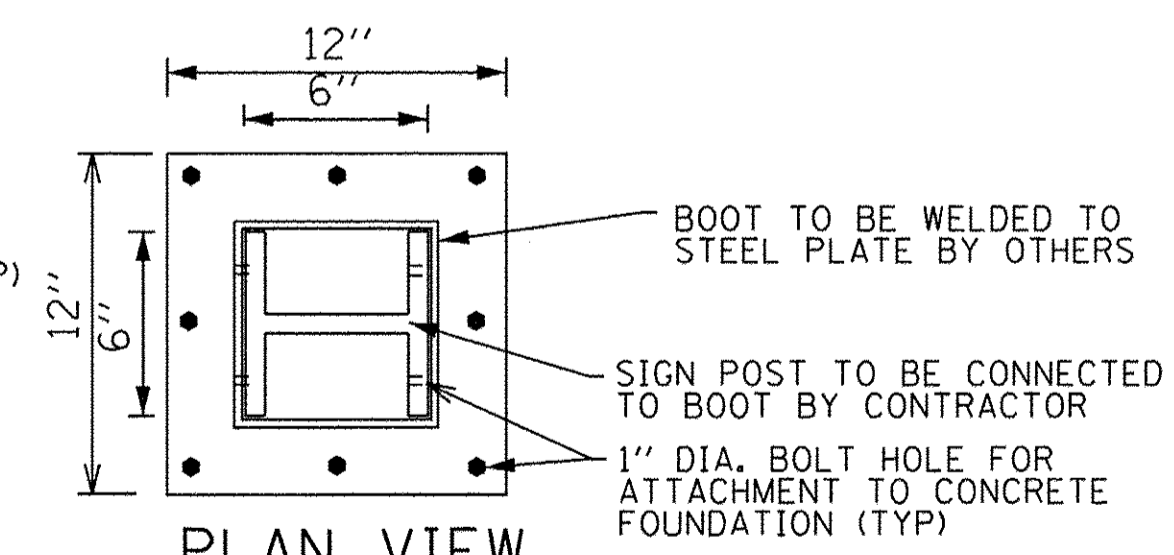
SHEET NO. OF SHEETS STA. TO STA.



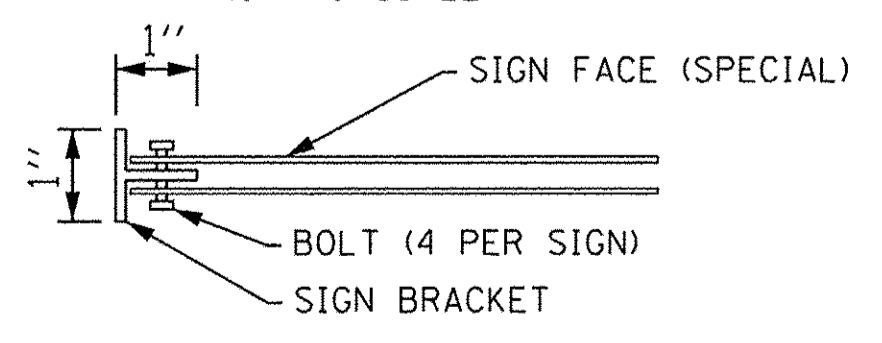
MILE MARKER SIGN PANEL - TYPE 1
NOT TO SCALE



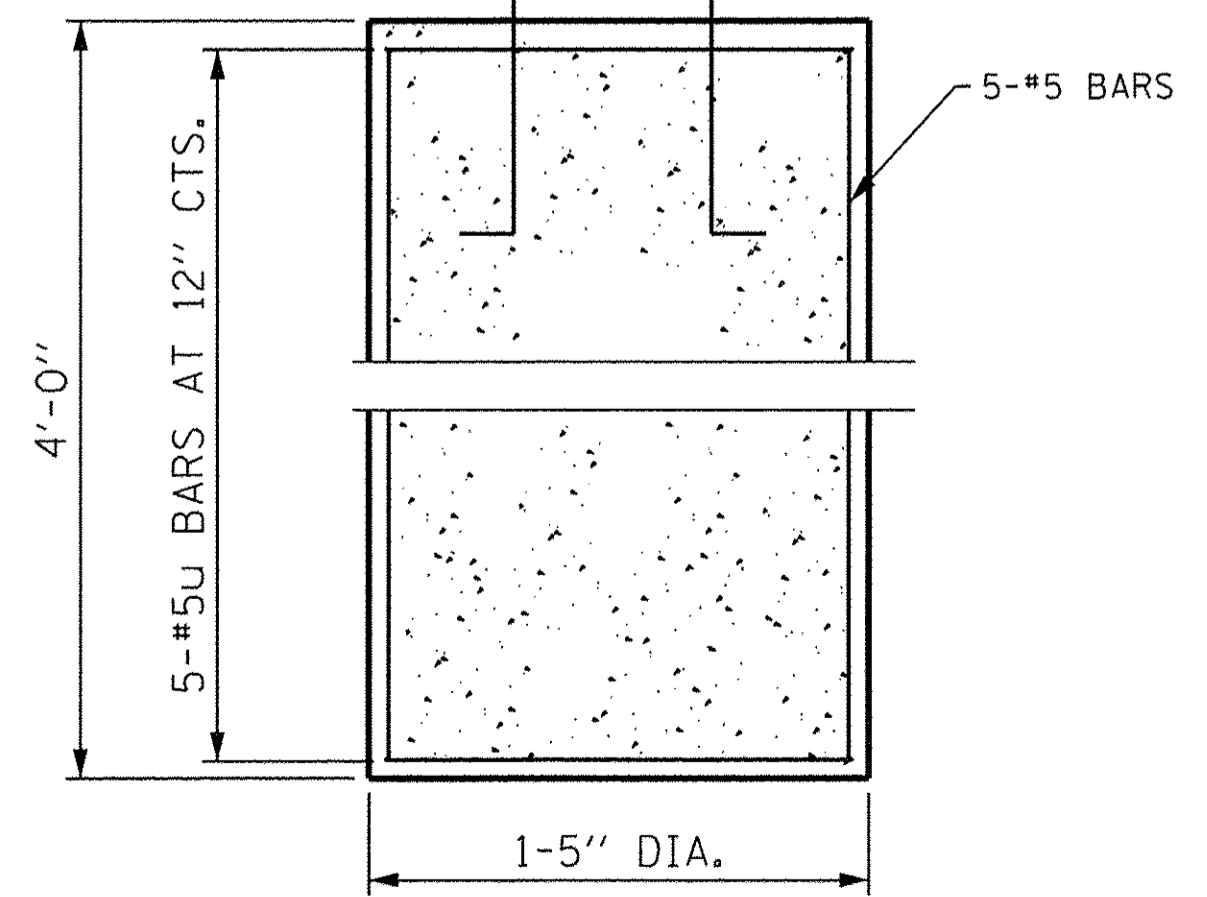
4-COLOR INFORMATION SIGN PANEL - TYPE 1
NOT TO SCALE



PLAN VIEW BASE PLATE DETAIL
NOT TO SCALE



PLAN VIEW MOUNTING BRACKET DETAIL
NOT TO SCALE



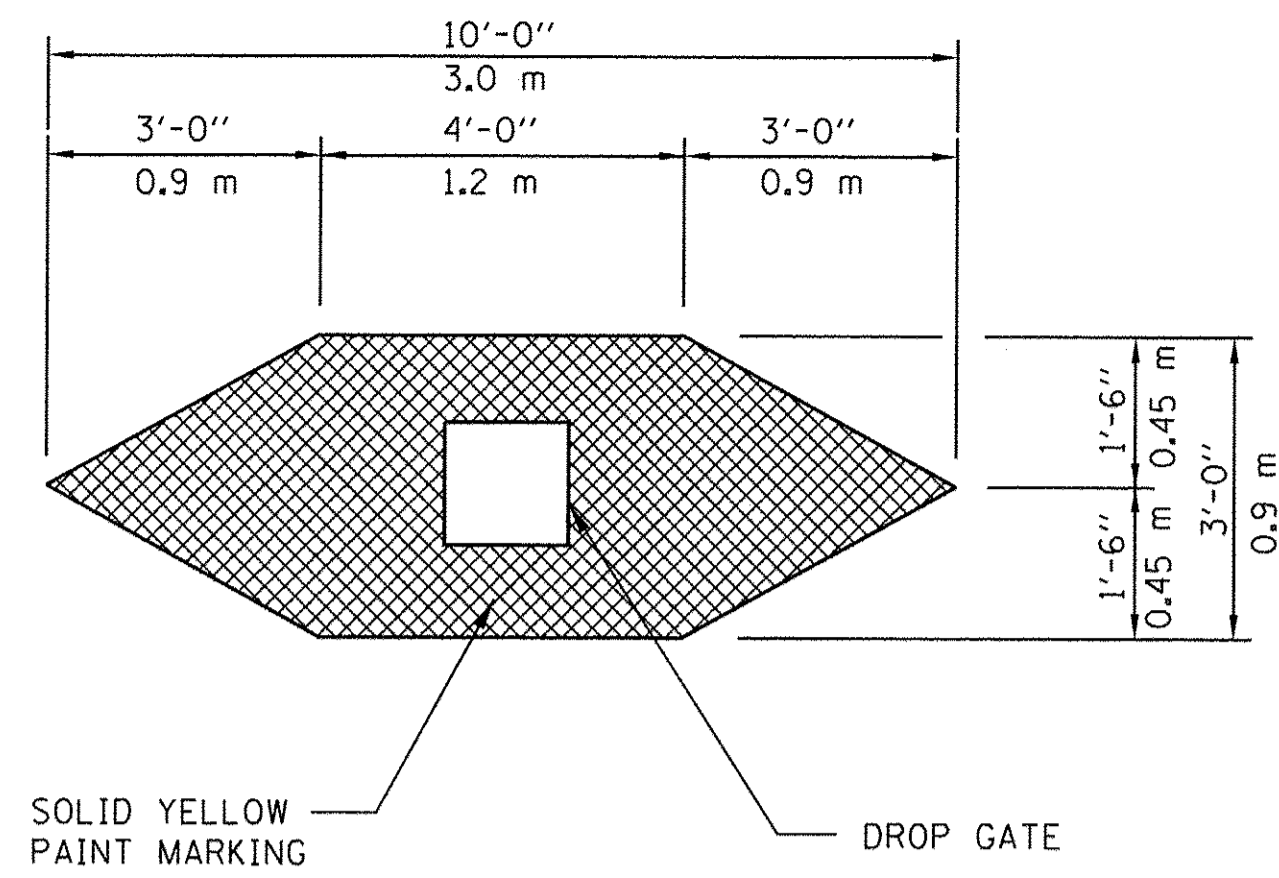
MONUMENT TYPE A FOUNDATION DETAIL FOR DECORATIVE SIGN AND POST (DIRECT POST)
NOT TO SCALE

BILL OF MATERIAL

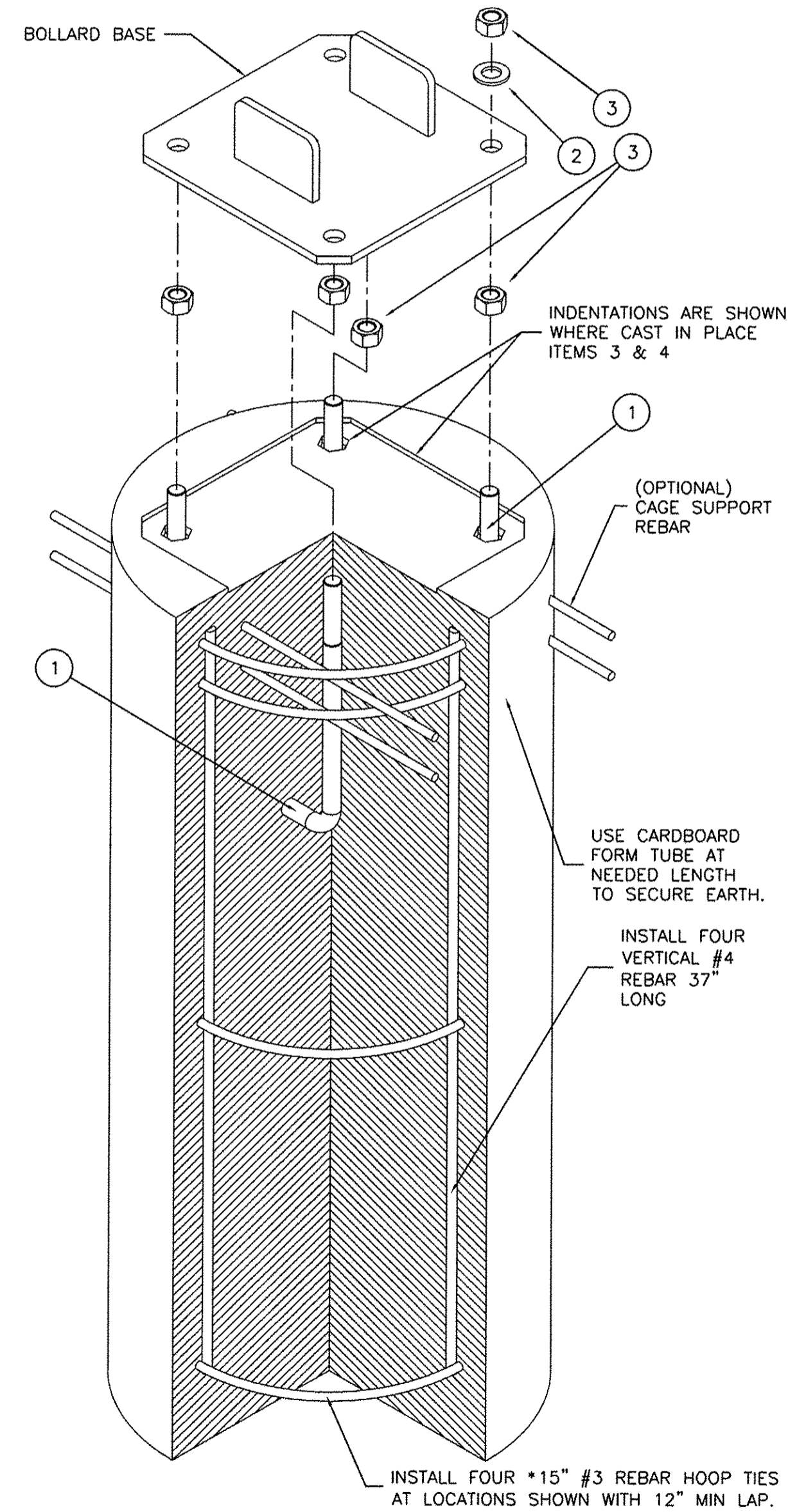
BAR	NO.	SIZE	LENGHT	SHAPE	
v2(E)	6	#5	3'-8"		
u2(E)	8	#5	5'-2"	○	
CONCRETE STRUCTURE				Cu. Yd.	0.2
STRUCTURE EXCAVATION				Cu. Yd.	1.4
REINFORCEMENT BARS, EPOXY COATED				POUND	70

NOTE:
DECORATIVE SIGN POSTS AND ALL ASSOCIATED AND APPLICABLE SIGN PANEL-LOGOS, SIGN PANELS, SIGN SUPPORT BRACKETS, MOUNTING BRACKETS, AND BASE PLATES ARE FURNISHED BY OTHERS FOR THIS CONTRACT.

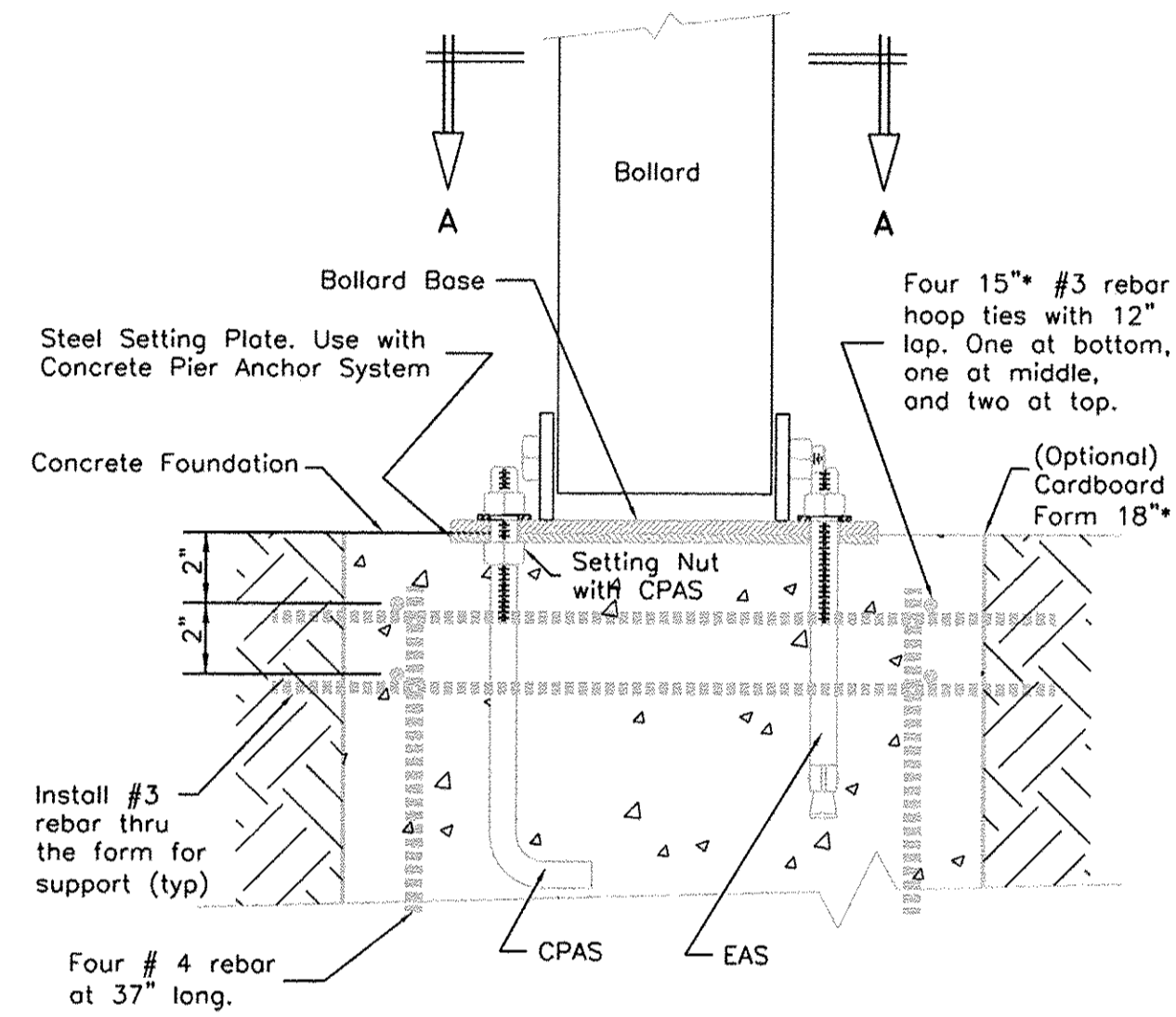
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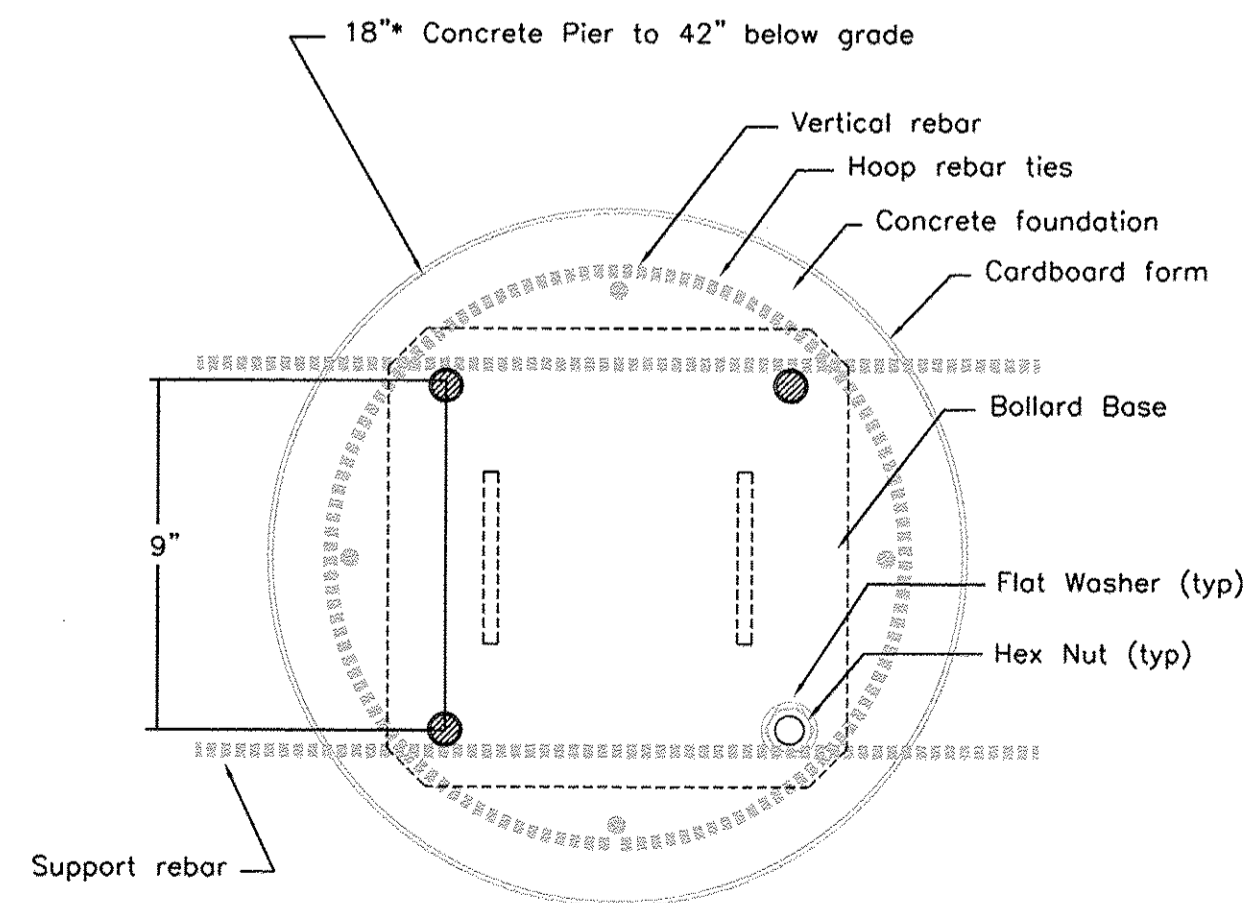
DROP GATE MARKING DETAIL
N.T.S.



CONCRETE PIER ANCHOR SYSTEM (CPAS)



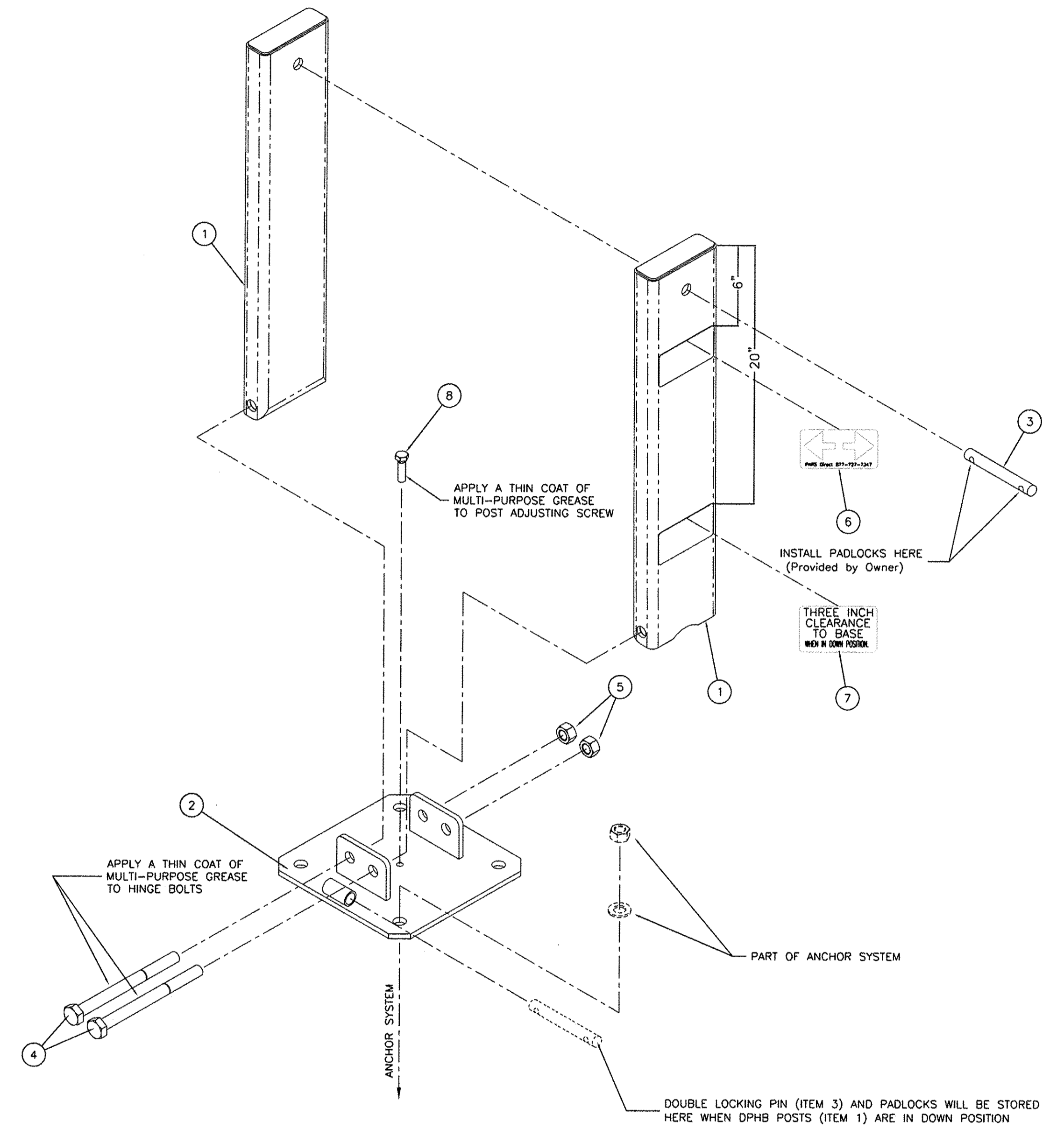
FRONT ELEVATION SECTION



PLAN SECTION "A-A"

DROP GATE, INSTALLATION DETAIL

N.T.S.



DROP GATE DETAIL

FILE NAME = P:\Blue_Island\25367145_Cal-Sag Trail\Phase 2\Roadway\Riverdale\Details\Details 08_DropGate.dgn



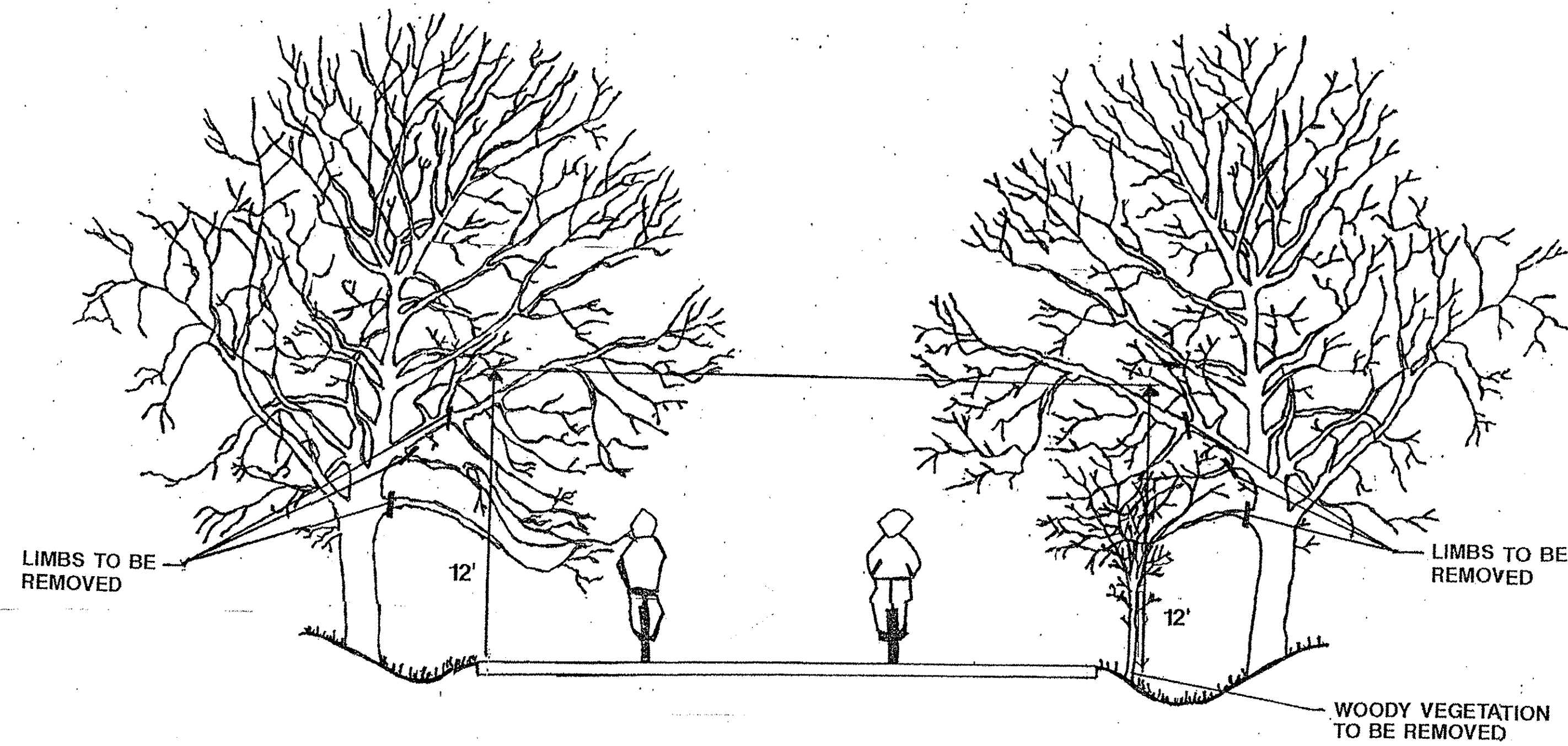
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	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
DROP GATE DETAILS**

SHEET NO. 2 OF 4 SHEETS STA. TO STA.

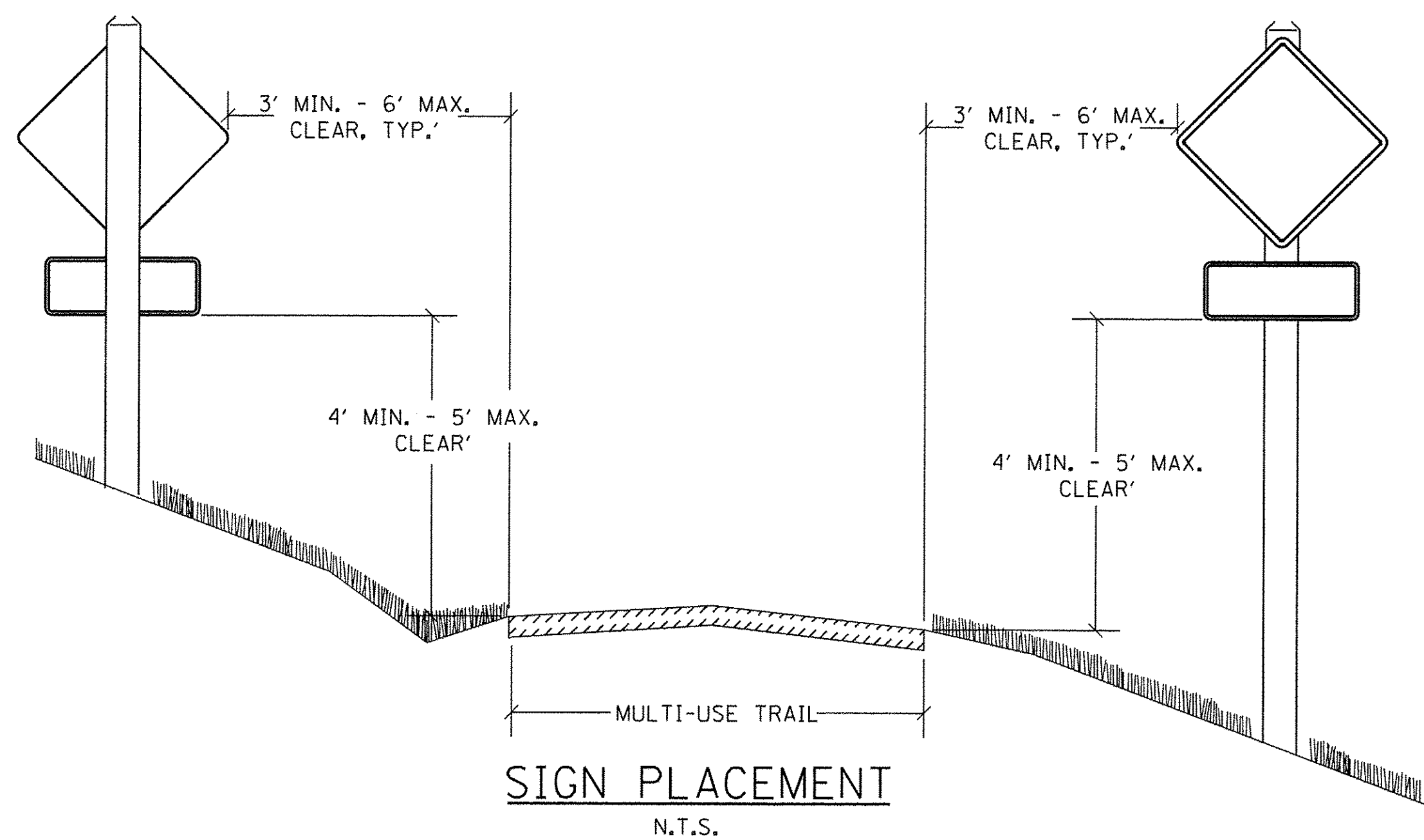
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	37
CONTRACT NO. 61C73				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



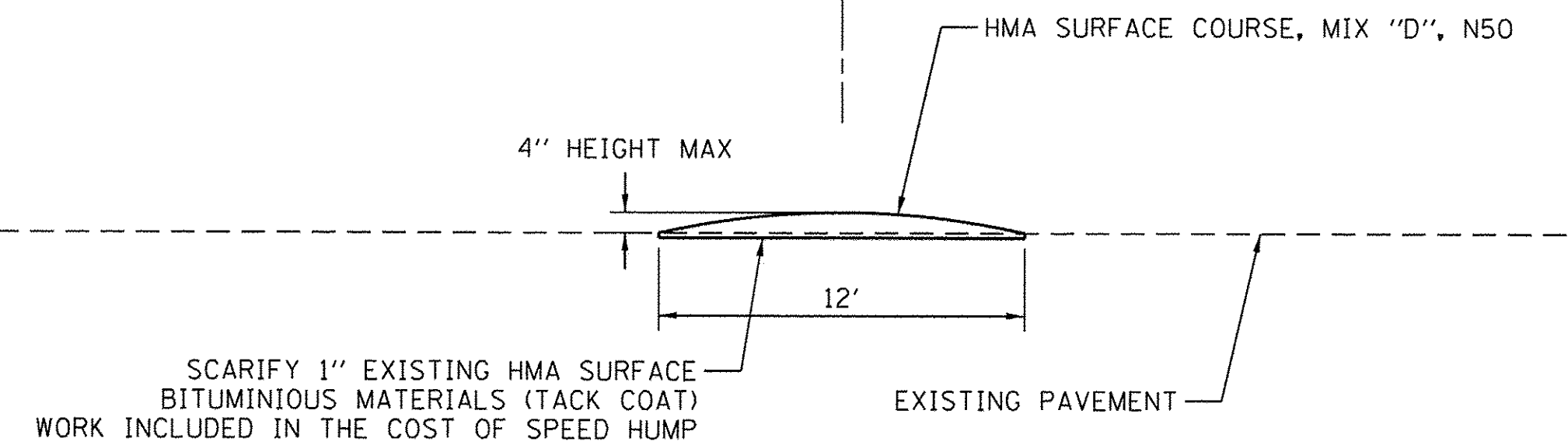
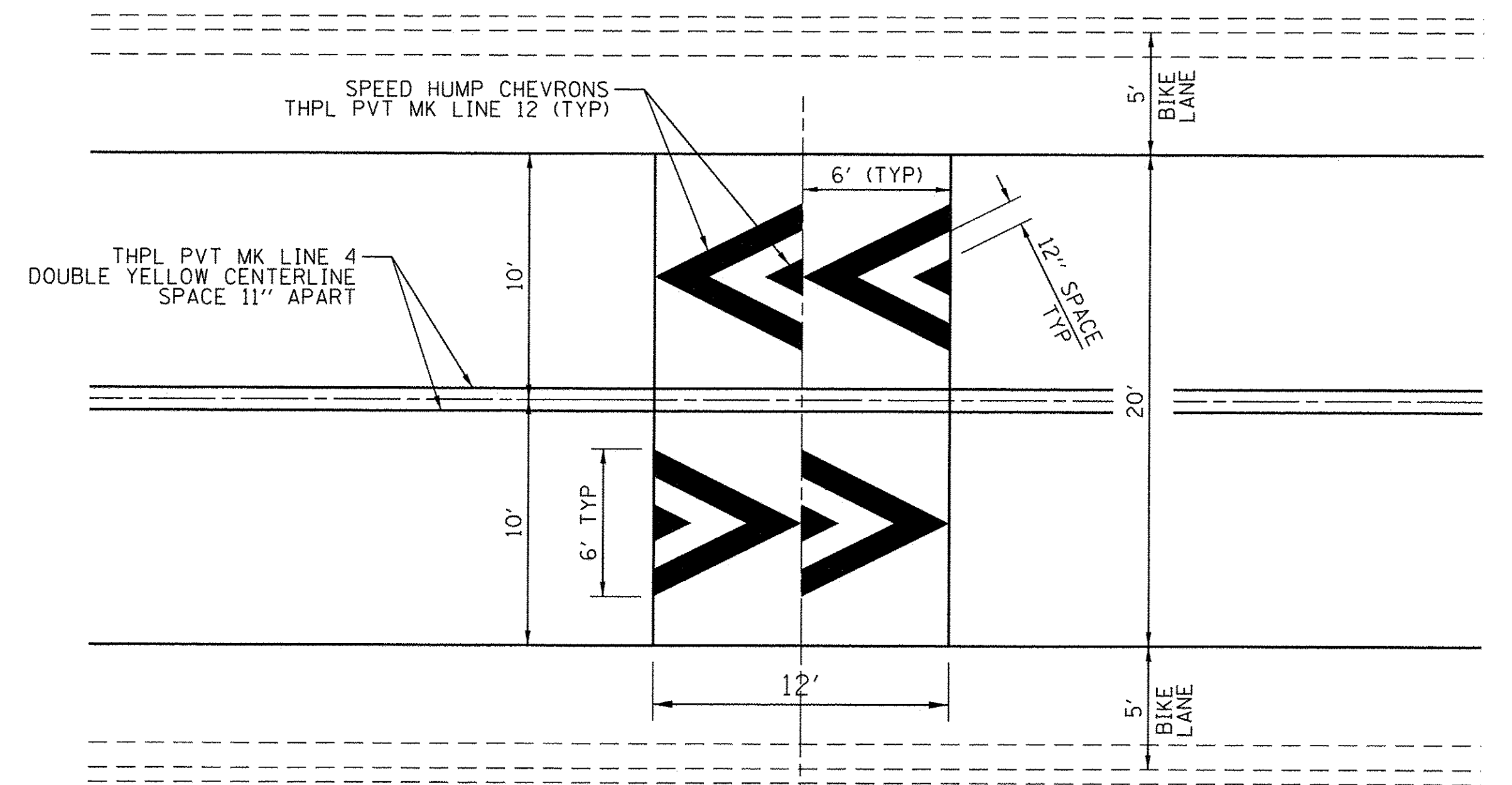
GENERAL NOTES:

1. THE NATIONAL ARBORIST ASSOCIATION'S PRUNING STANDARDS FOR SHADE TREES CLASS II - STANDARD PRUNING SPECIFICATIONS SHALL BE FOLLOWED.

PRUNING FOR SAFETY AND EQUIPMENT
N.T.S.



SIGN PLACEMENT
N.T.S.



SPEED HUMP
N.T.S.

FILE NAME = P:\Blue Island\25367145_Cal-Sag\Trail\Phase 2\Roadway\Riverdale\Details\Miscellaneous.dgn



USER NAME = ken_moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 9.8135' / in.	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016 9:57:17 AM	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
MISCELLANEOUS DETAILS**

SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	38
CONTRACT NO. 61C73				
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)

18" (450) MAX.

1/4" (5) **

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.

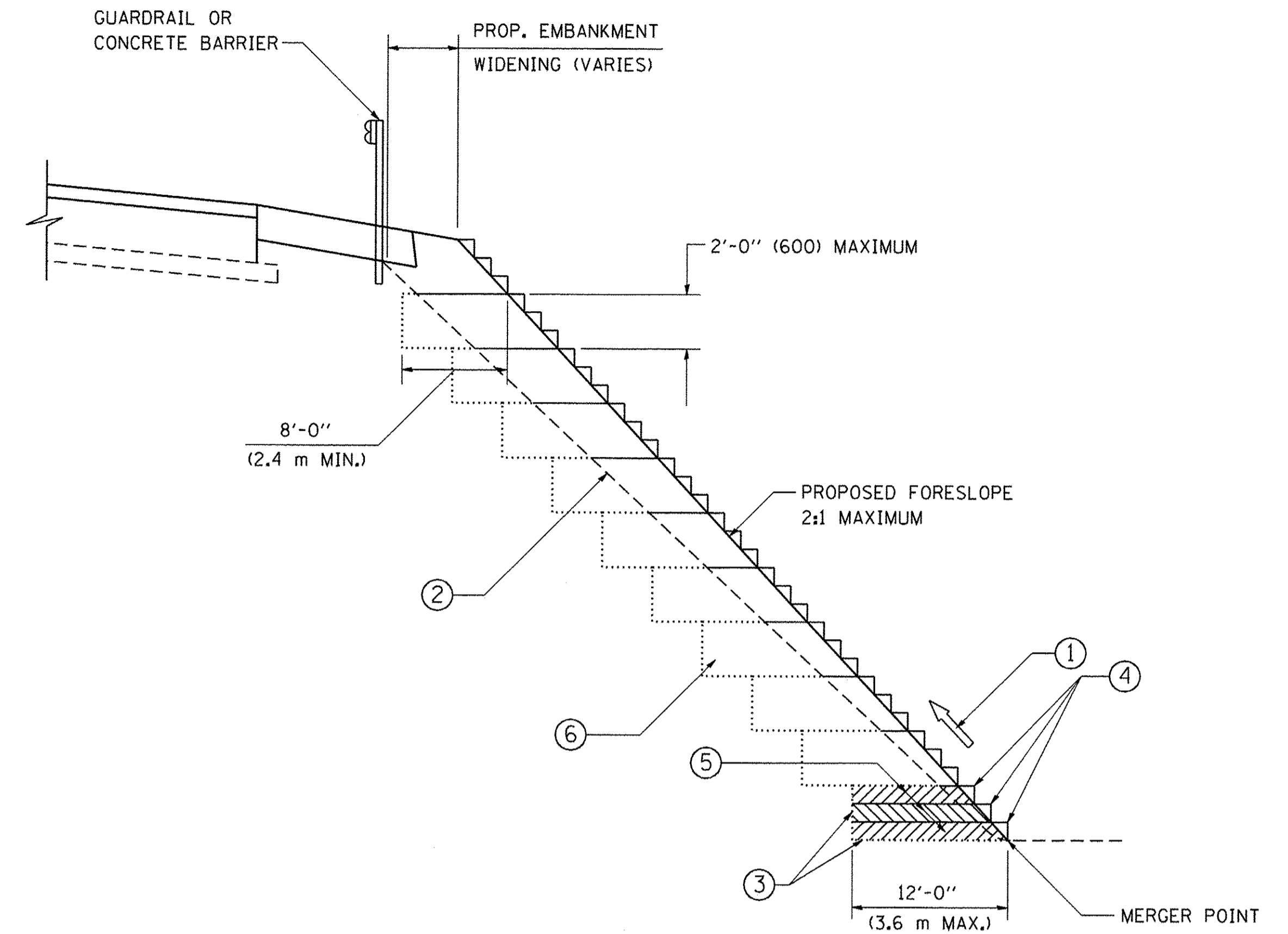
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

**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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	39
BD600-06 (BD-24)			CONTRACT NO. 61C73	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

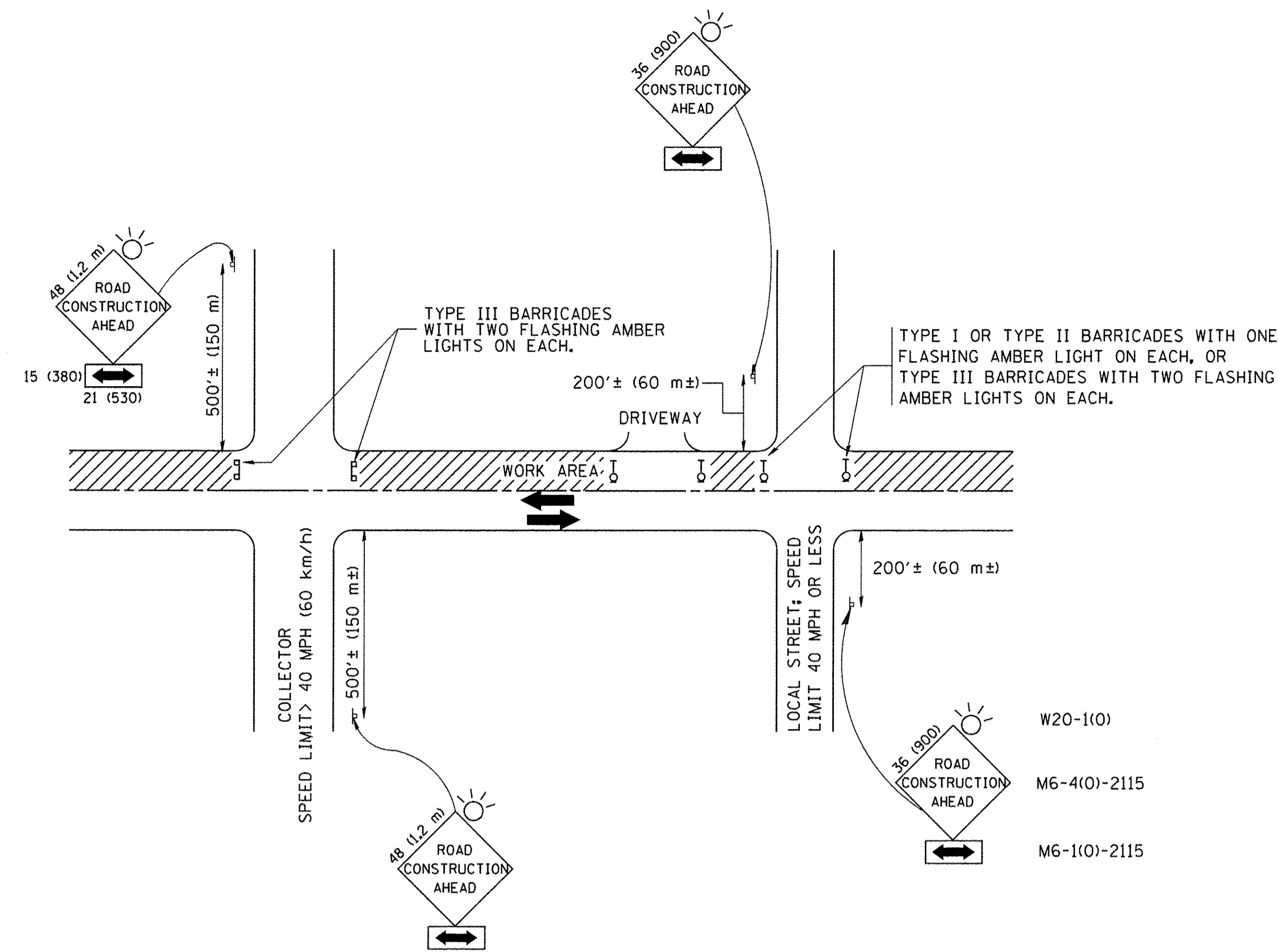
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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		DRAWN - CADD	REVISED -
		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	40
BD-51		CONTRACT NO. 61C73		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

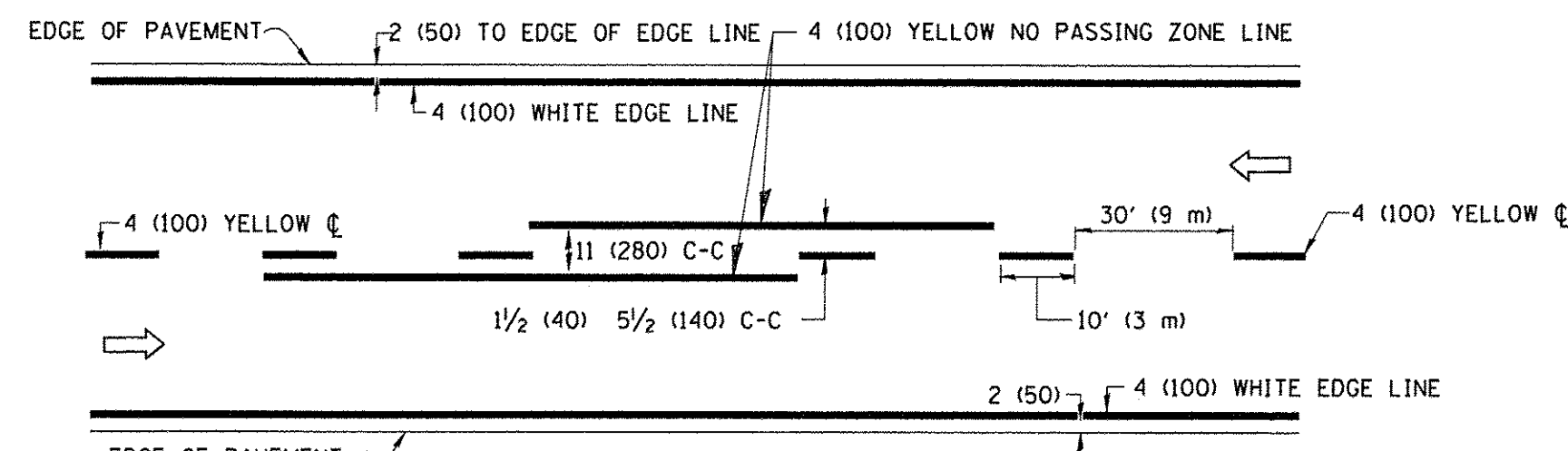
NOTES:

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

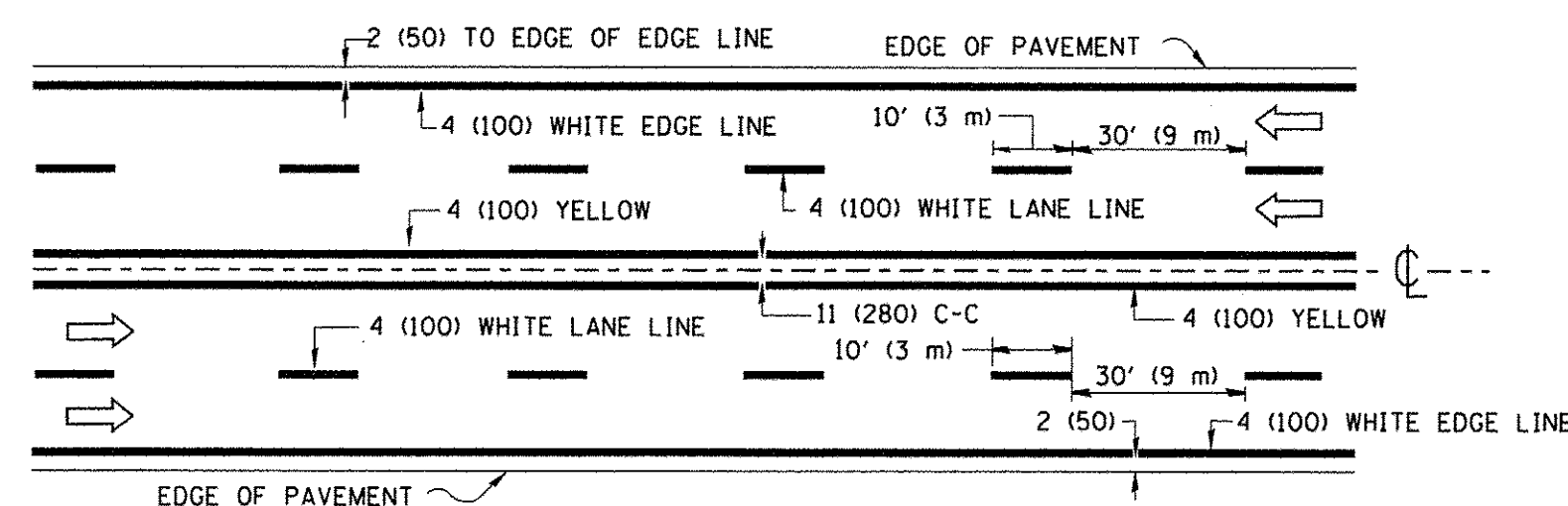
USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER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

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

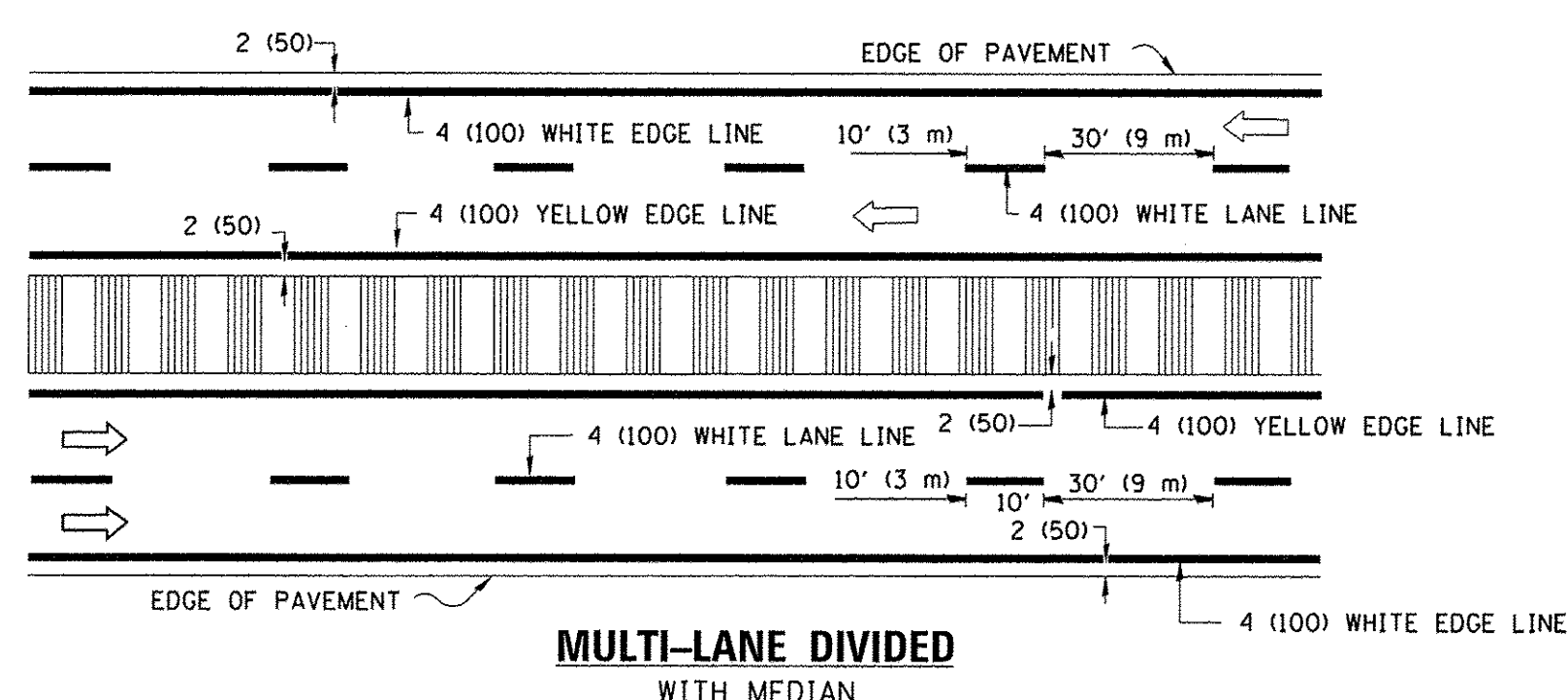
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		DRAWN -	REVISED - A. HOUSEH 03-06-96					15-00131-00-BT	COOK	51	41	
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	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.						



2-LANE ROADWAY

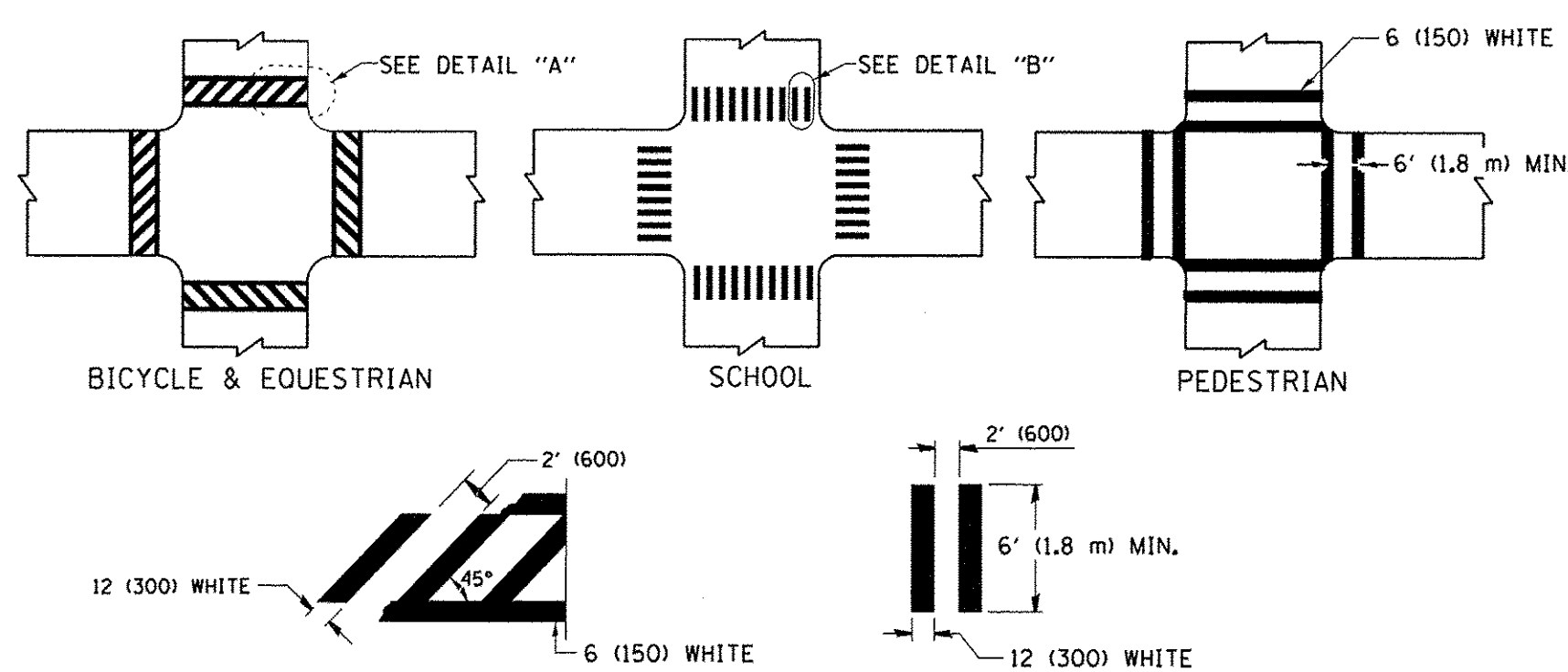


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

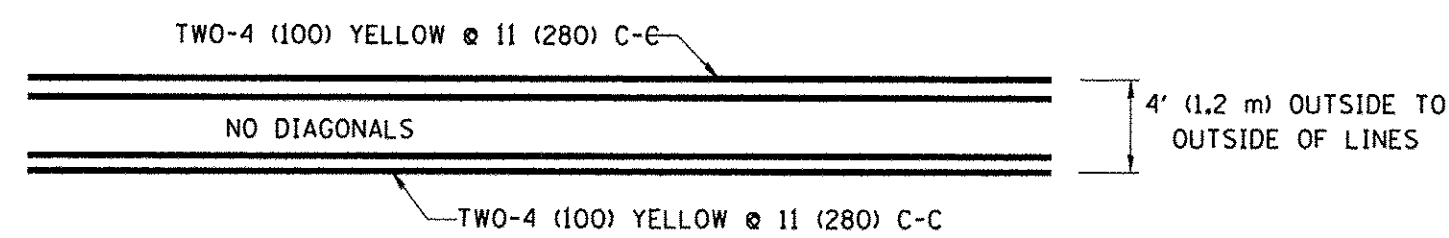


DETAIL "A"

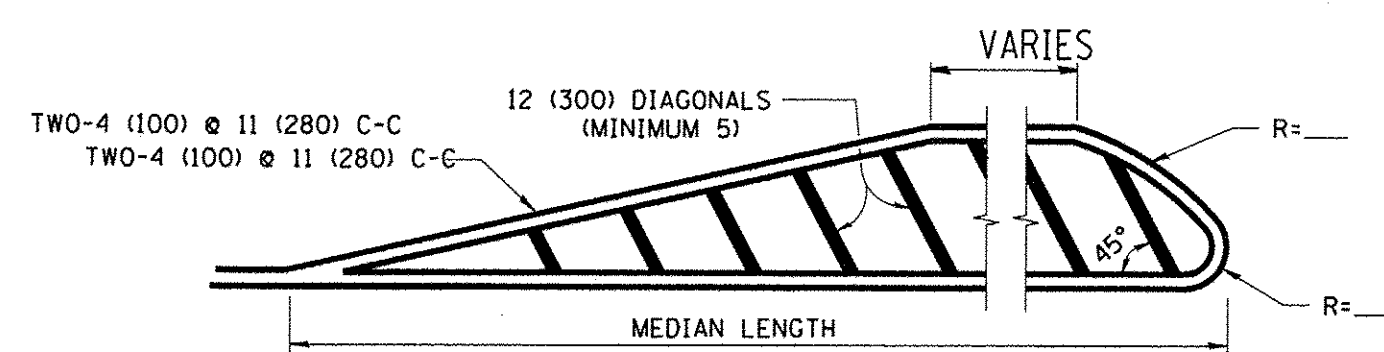
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

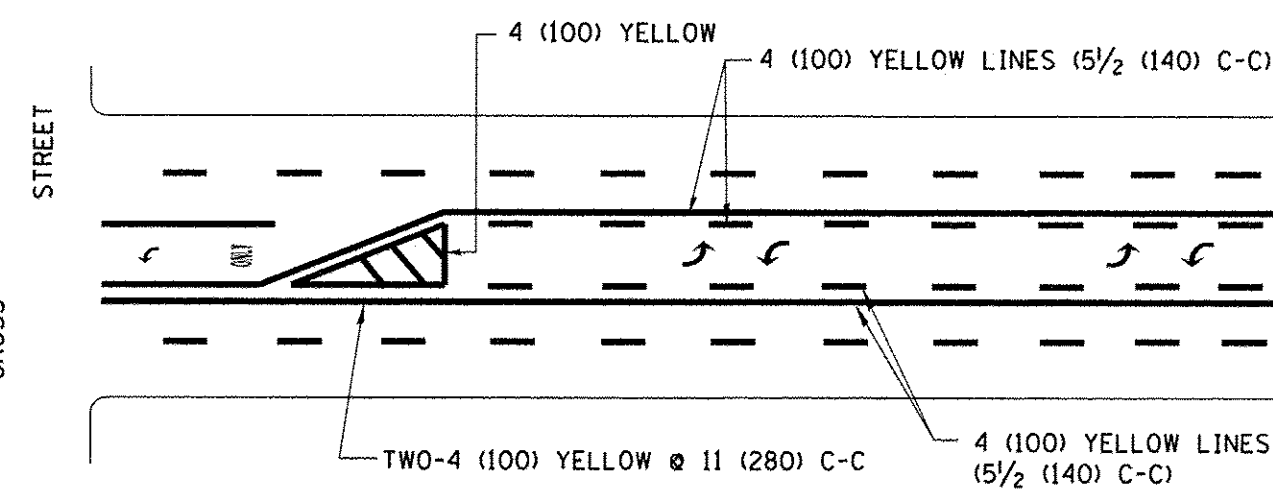
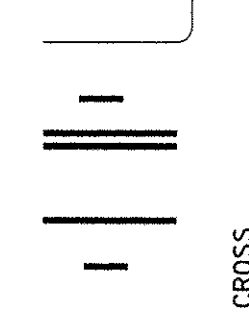


4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

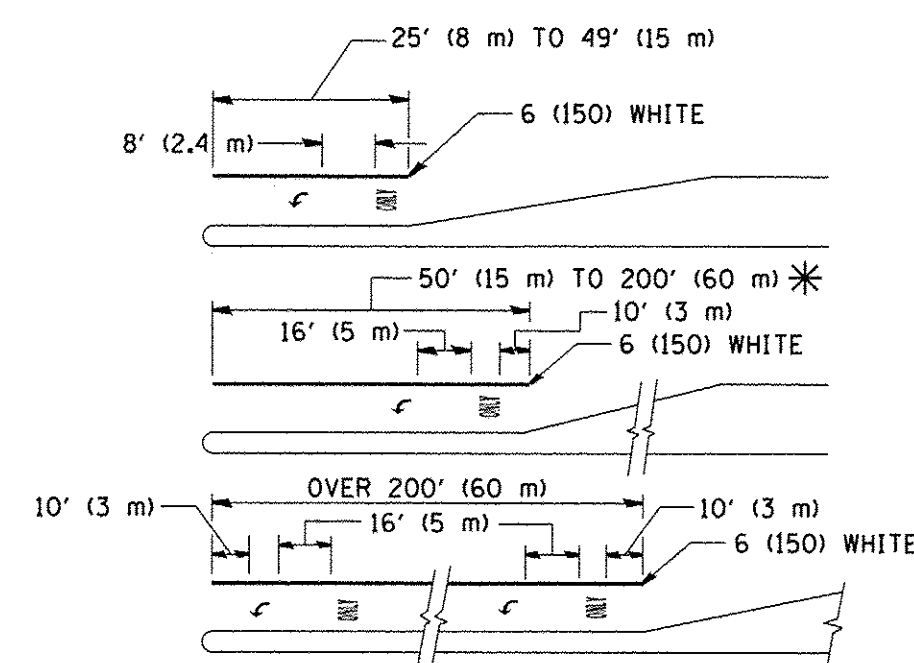
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



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

MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

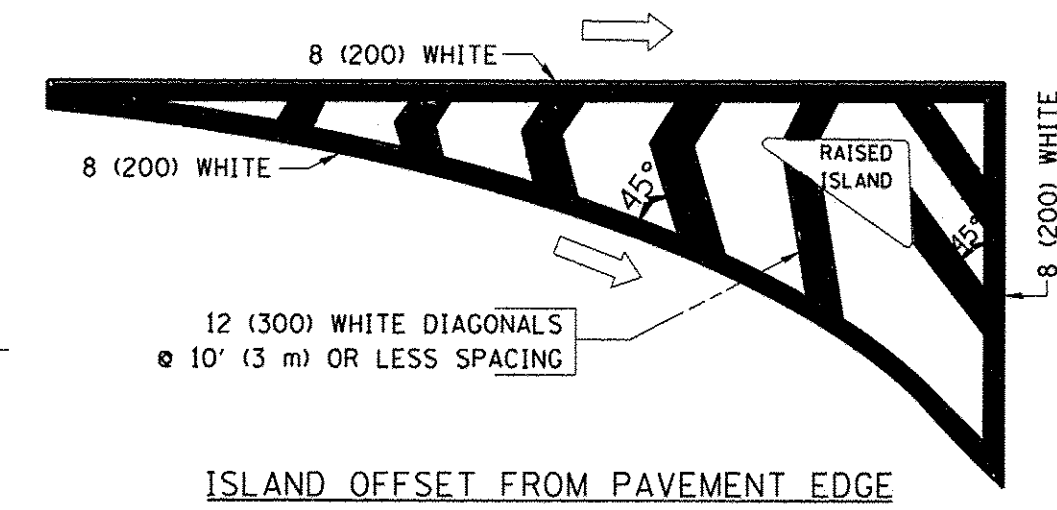


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

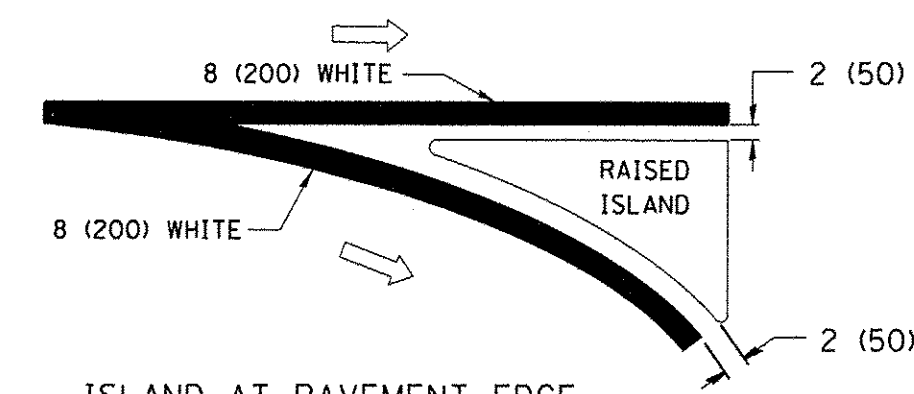
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

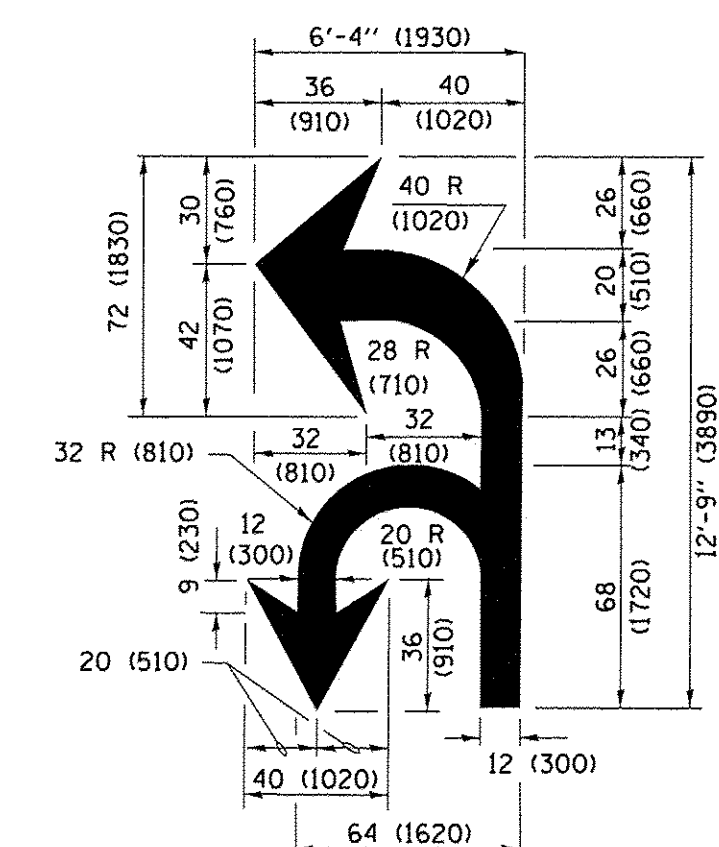


ISLAND OFFSET FROM PAVEMENT EDGE

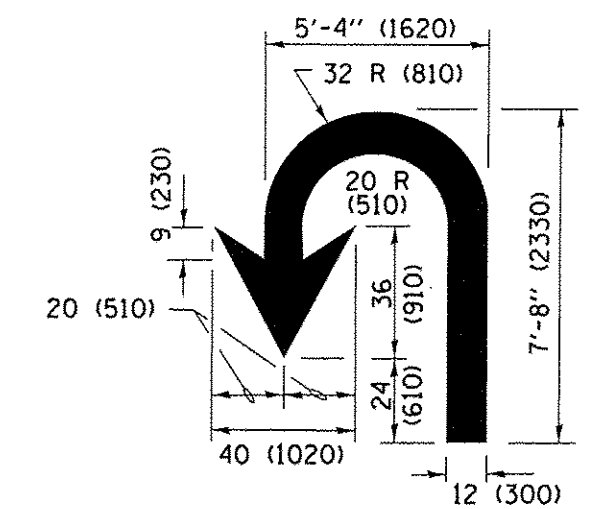


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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 MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK; IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

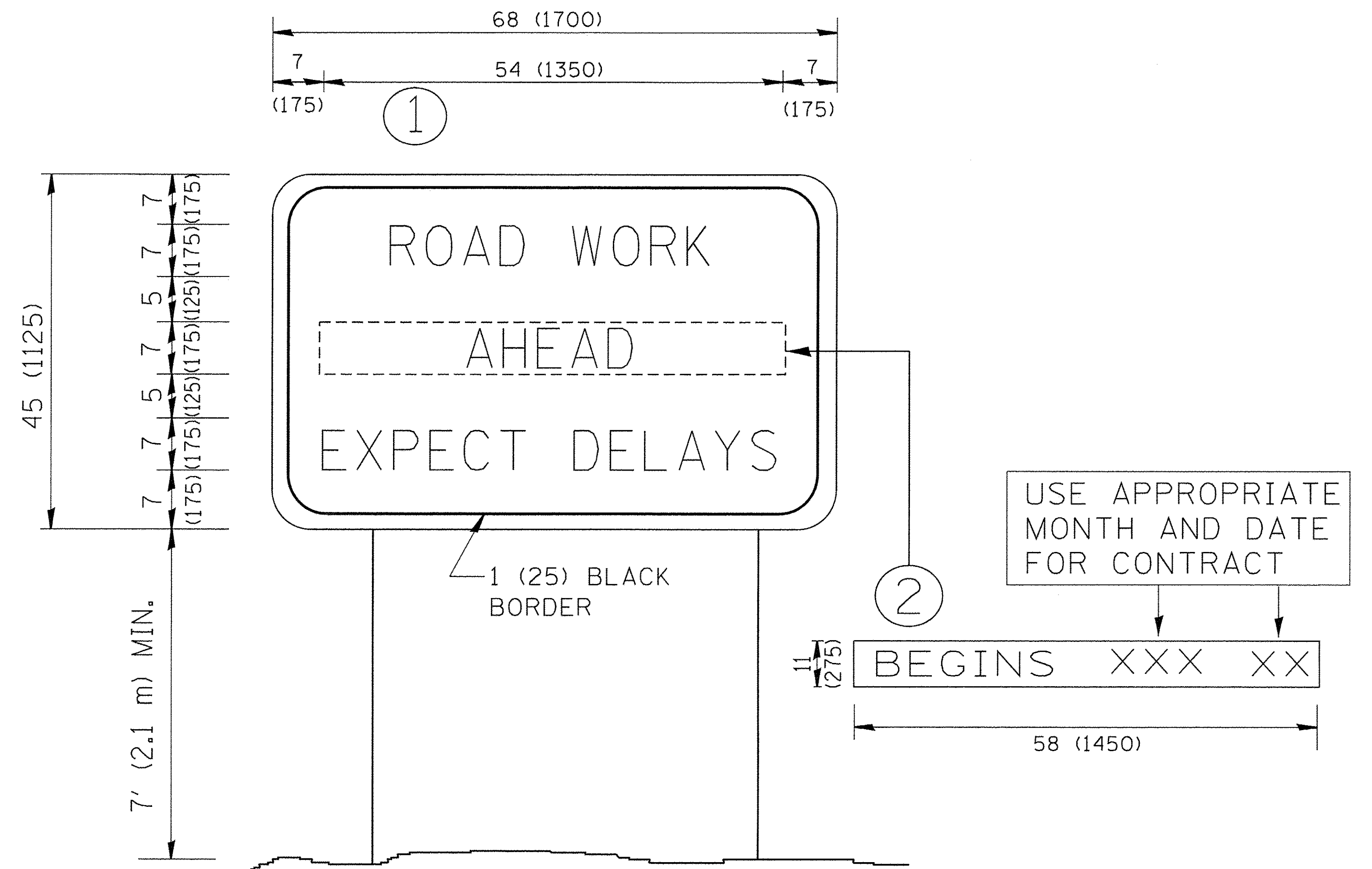
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Default	PLOT SCALE = 50.000 / in.	DATE - 03-19-90	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 12/21/2015		REVISED - C. JUCIUS 12-21-15

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	42
	TC-13	CONTRACT NO. 61C73		
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\tc22.dgn	USER NAME = geglentobt	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97
		CHECKED -	REVISED - R. MIRS 12-11-97
		DATE -	REVISED - T. RAMMACHER 02-02-99
			REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

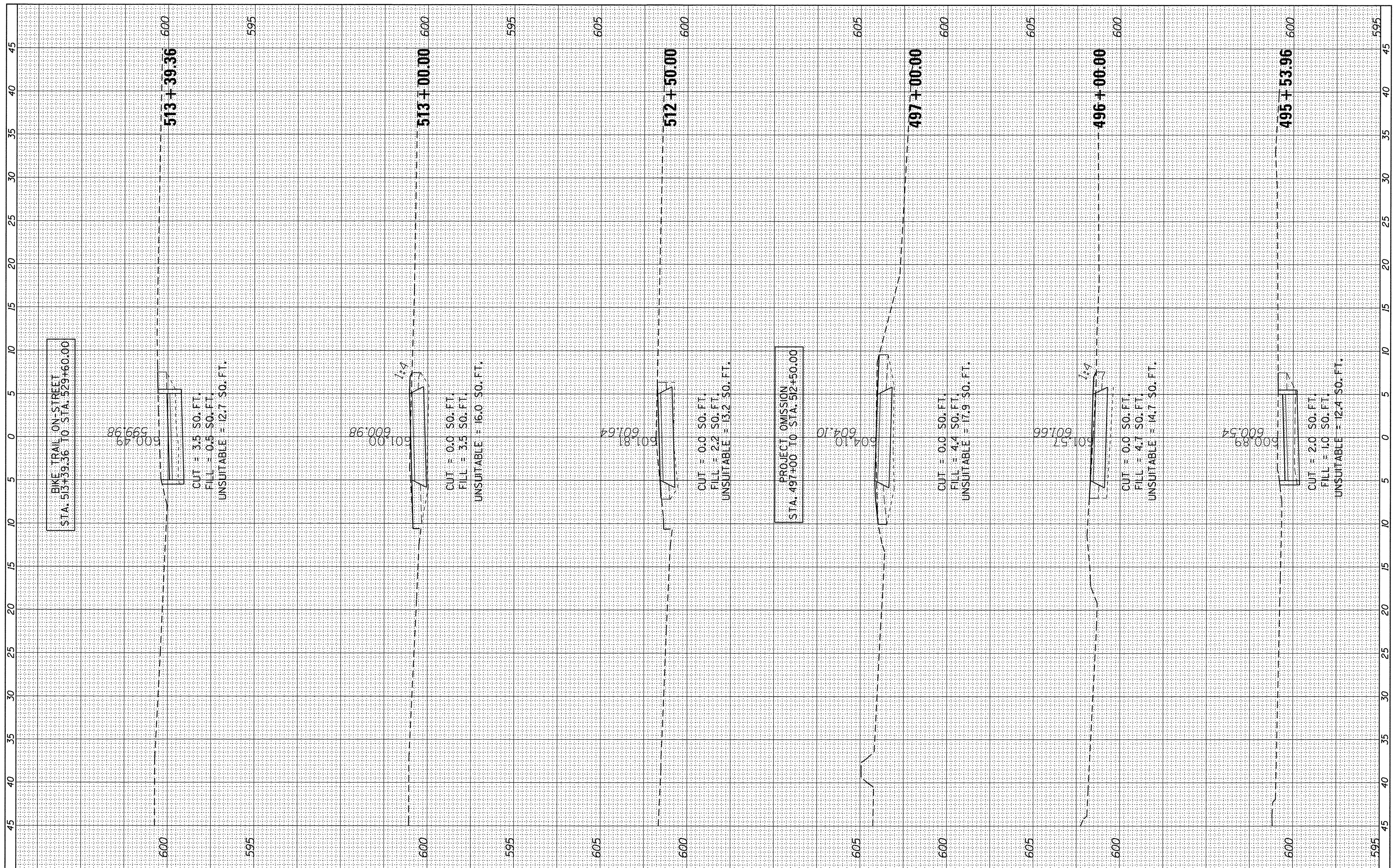
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	43
TC-22		CONTRACT NO. 61C73		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = Xsec_Riverdale
AECOM
 303 East Wacker Drive, Suite 1400, Chicago, IL 60601
 #MODELNAME# 1-312-373-7700 F 1-312-373-6800

USER NAME = ken_may	DESIGNED - KLM	REVISED -
	DRAWN - KLM	REVISED -
	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

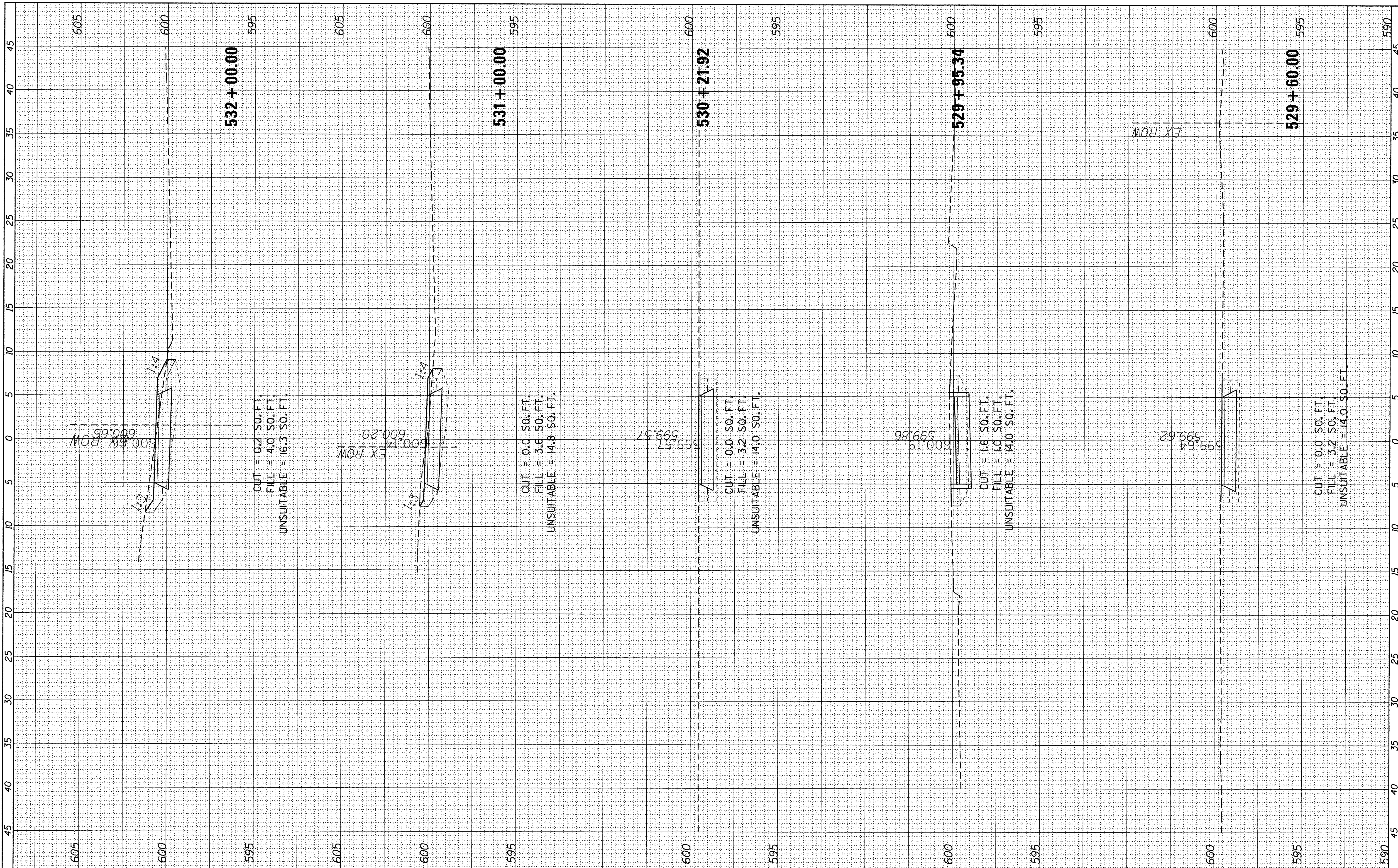
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 CROSS SECTIONS - MAINLINE RIVERDALE
 SCALE: SHEET 1 OF 7 SHEETS STA. 495+53.96 TO STA. 513+39.36

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	44
				CONTRACT NO. 61C73
				ILLINOIS FED. AID PROJECT

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
DATE		
AREAS		
CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
DATE		
AREAS		
CHECKED		
NO.		



FILE NAME = Xsec_Riverdale
AECOM
 303 East Wacker Drive, Suite 1400, Chicago, IL 60601
 *MODELNAME#T 1-312-373-7700 F 1-312-373-6800

USER NAME = ken_maj	DESIGNED - KLM	REVISED -
	DRAWN - KLM	REVISED -
	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

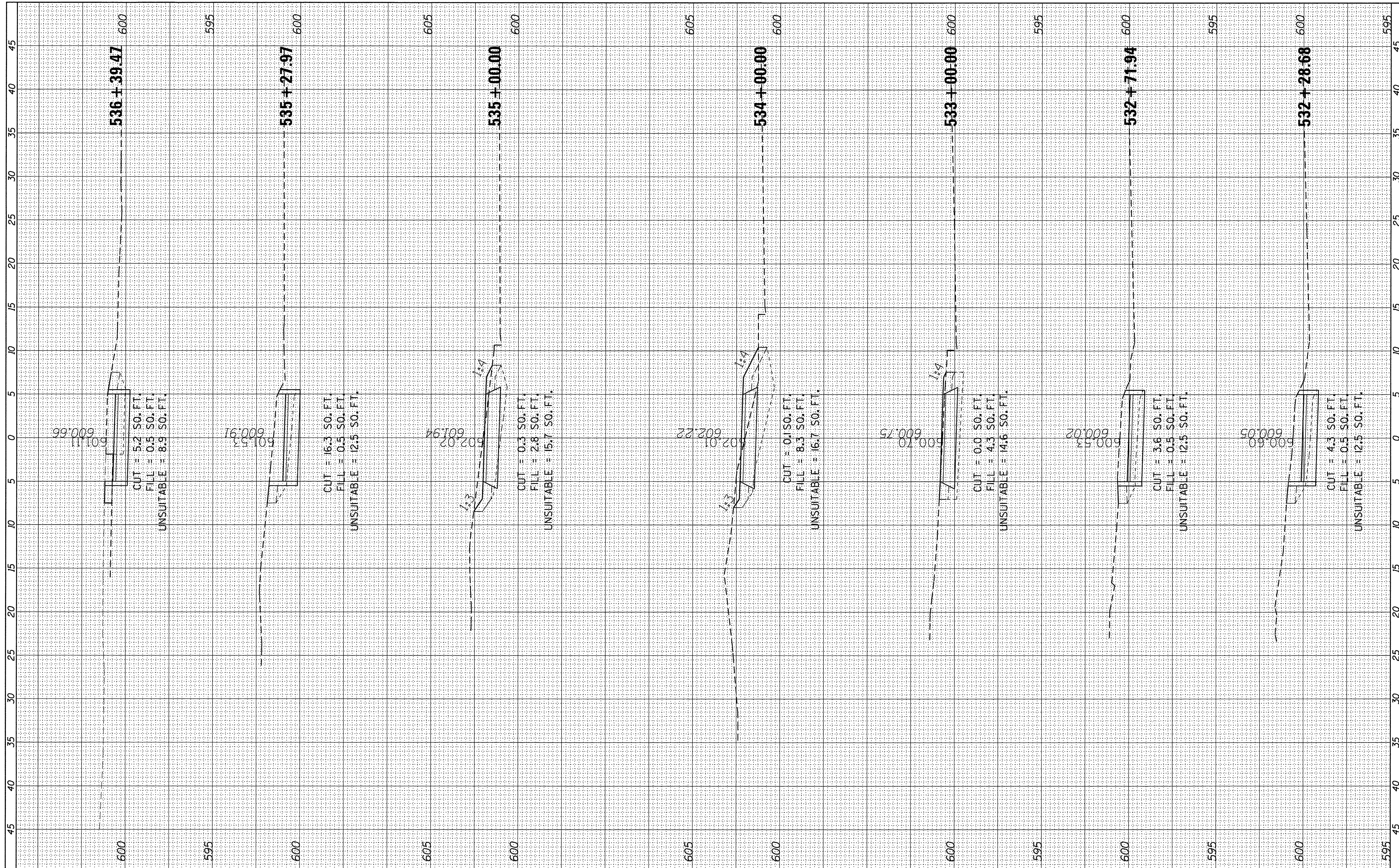
CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
CROSS SECTIONS - MAINLINE RIVERDALE

SCALE: SHEET 2 OF 7 SHEETS STA. 529+60.01 TO STA. 532+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	45
CONTRACT NO. 61C73				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = **AECOM**
 Xsec_Riverdale
 303 East Wacker Drive, Suite 1400, Chicago, IL 60601
 #MODELNAME# T 1-312-373-7700 F 1-312-373-6800

USER NAME = ken_moy
 PLOT SCALE = 5.0000' / in.
 PLOT DATE = 5/24/2016

DESIGNED -	KLM	REVISED -	
DRAWN -	KLM	REVISED -	
CHECKED -	BMC	REVISED -	
DATE -	MAY 23, 2016	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

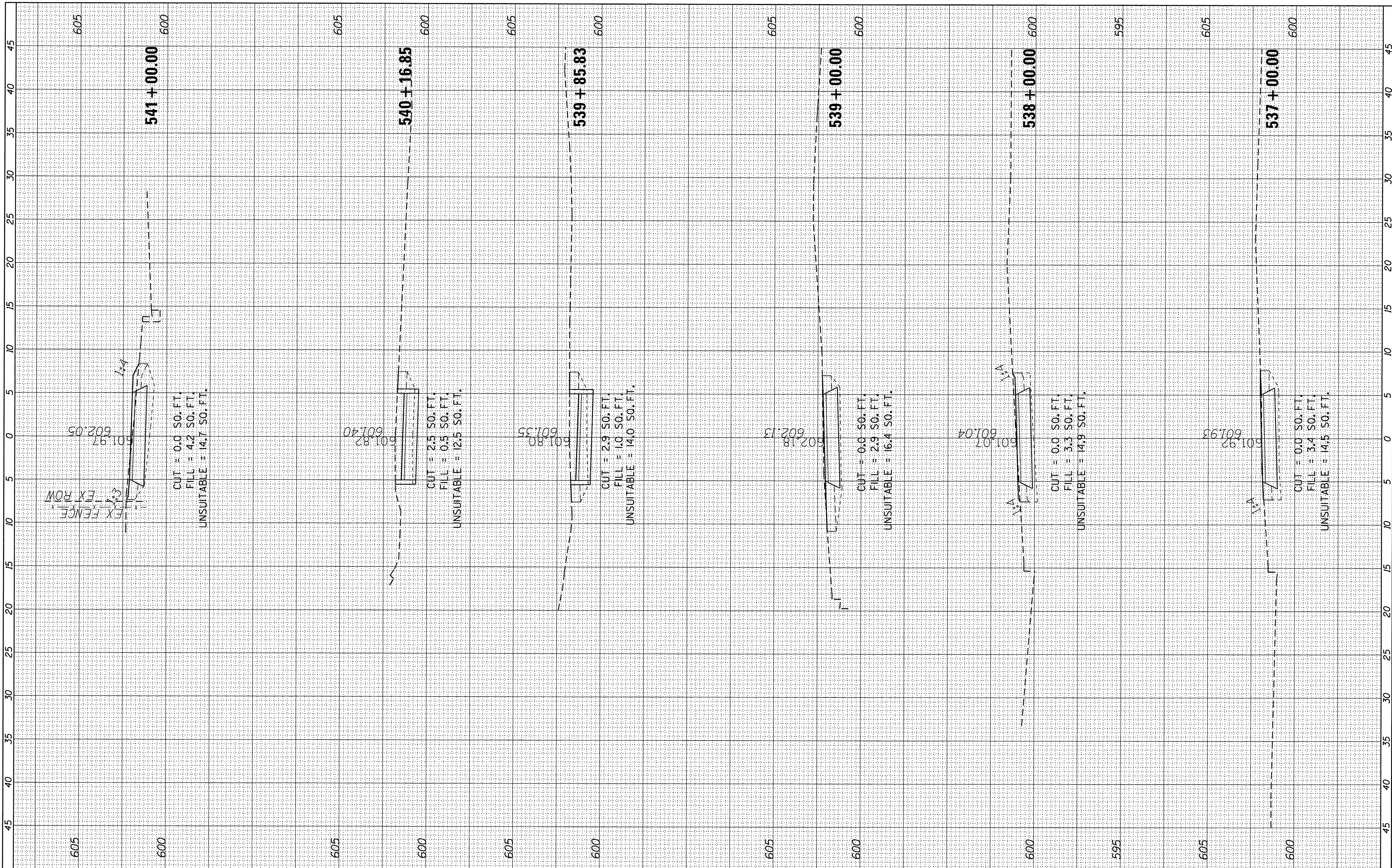
**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 CROSS SECTIONS - MAINLINE RIVERDALE**

SCALE: SHEET 3 OF 7 SHEETS STA. 532+28.68 TO STA. 536+39.47

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	46
CONTRACT NO. 61C73				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		



FILE NAME = **AECOM**
 Xsec_Riverdale
 303 East Wacker Drive, Suite 1400, Chicago, IL 60601
 MODELNAME = T 1-312-373-7700 F 1-312-373-8800

USER NAME = ken_moy	DESIGNED - KLM	REVISED -
PLOT SCALE = 5.0000" / 1'	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

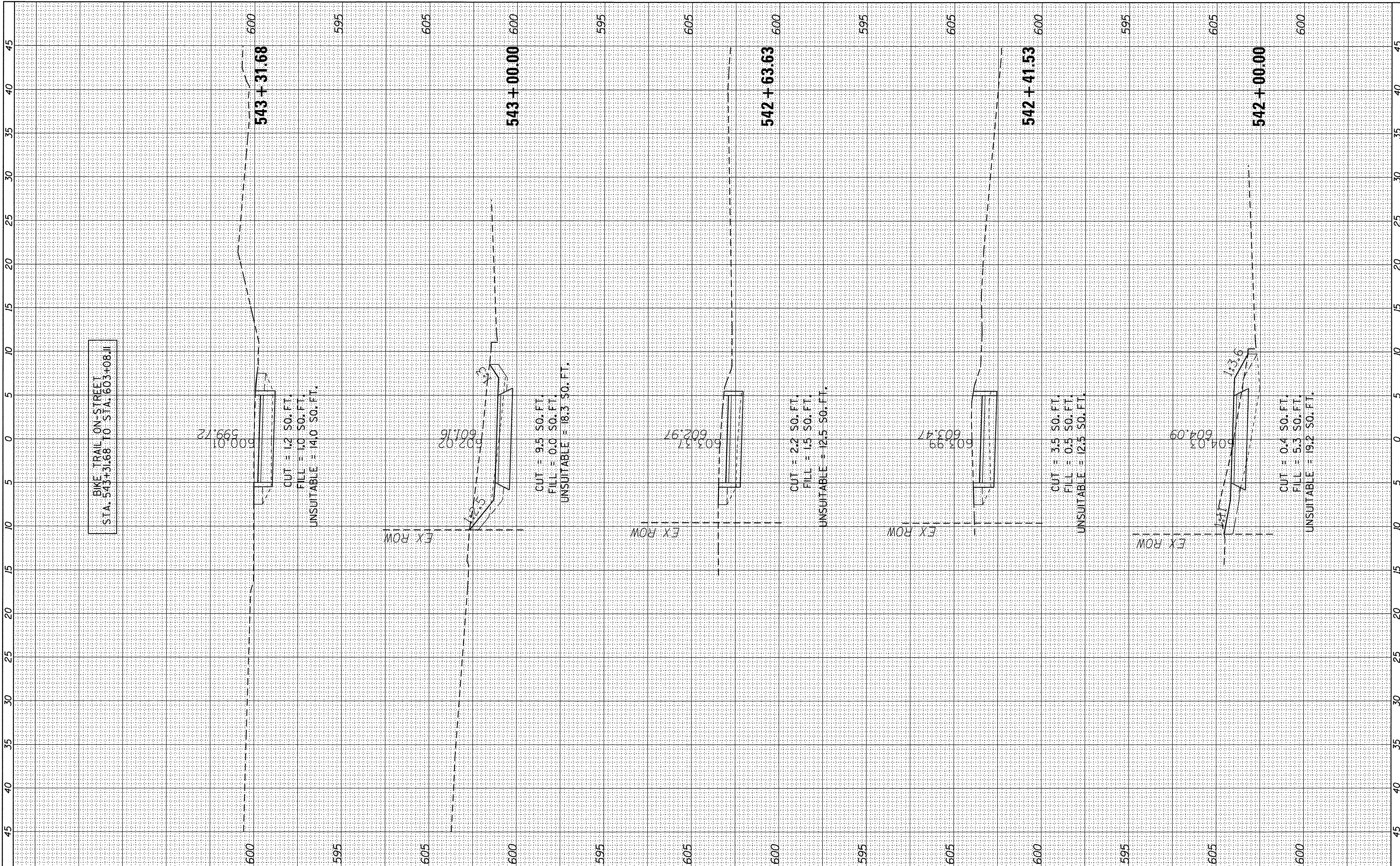
**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
CROSS SECTIONS - MAINLINE RIVERDALE**

SCALE: SHEET 4 OF 7 SHEETS STA. 537+00.00 TO STA. 541+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	47
CONTRACT NO. 61C73			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
DATE		
NO. _____		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
DATE		
NO. _____		



FILE NAME = **AECOM**
 Xsec_Riverdale

USER NAME = ken_moy
 PLOT SCALE = 5.0000' / 1" / in.
 PLOT DATE = 5/24/2016

DESIGNED -	KLM	REVISED -	
DRAWN -	KLM	REVISED -	
CHECKED -	BMC	REVISED -	
DATE -	MAY 23, 2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

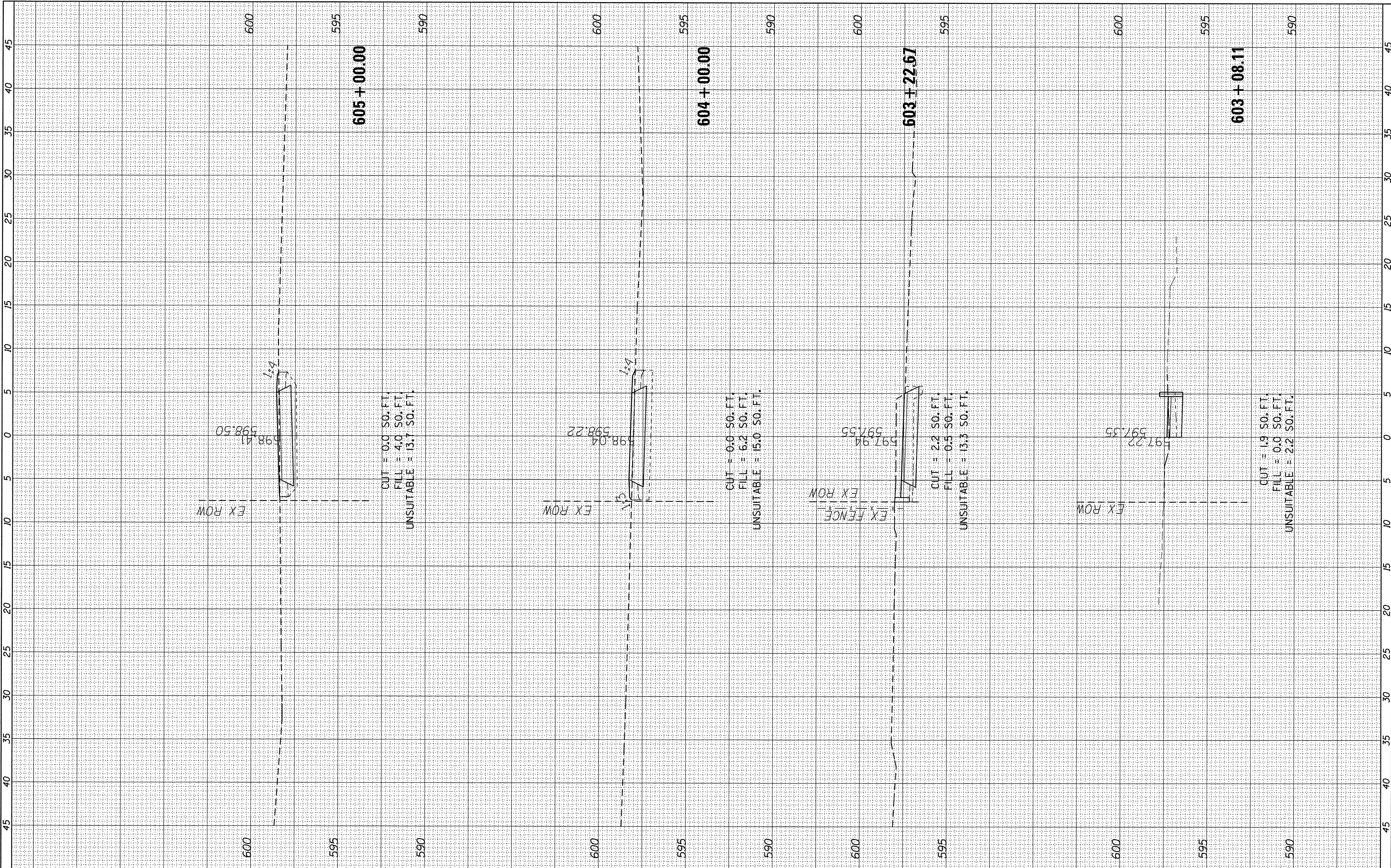
CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
CROSS SECTIONS - MAINLINE RIVERDALE

SCALE: SHEET 5 OF 7 SHEETS STA. 542+00.00 TO STA. 543+31.68

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	48
CONTRACT NO. 61C73				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY	BY	DATE
DESIGNED		
NOTE BOOK		
NO.		
AREAS CHECKED		
AREAS CHECKED		



FILE NAME = Xsec_Riverdale
AECOM
 303 East Wacker Drive, Suite 1400, Chicago, IL 60601
 MODELNAME: T 1-312-373-7700 F 1-312-373-8800

USER NAME = ken_moj
 DESIGNED - KLM
 DRAWN - KLM
 CHECKED - BMC
 DATE - MAY 23, 2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

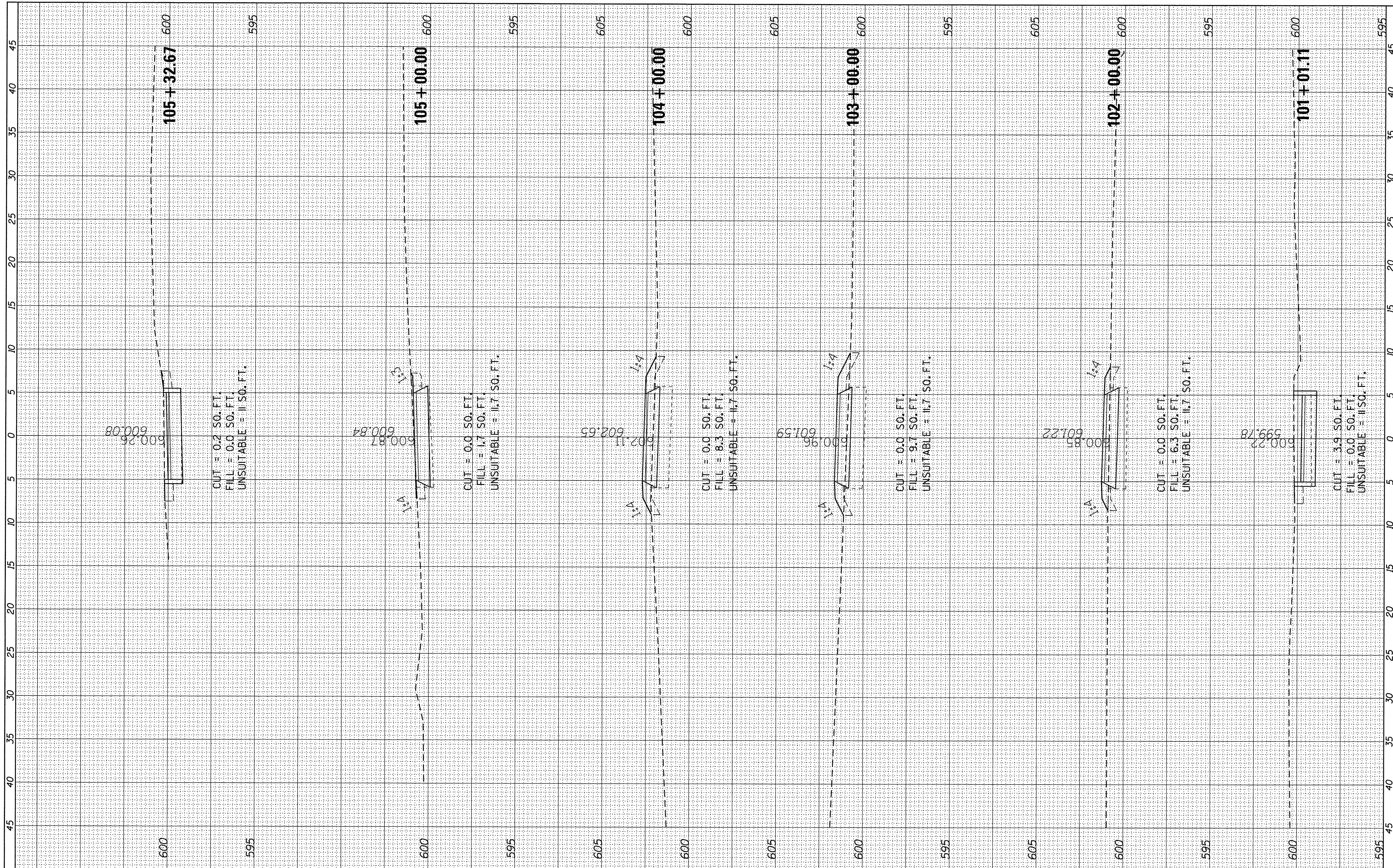
**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 CROSS SECTIONS - MAINLINE RIVERALE**

SCALE: SHEET 6 OF 7 SHEETS STA. 603+08.11 TO STA. 605+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT	COOK	51	49
CONTRACT NO. 61C73				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NO. _____		
AREAS CHECKED		
NO. _____		

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



FILE NAME: Xsec_Major
AECOM
 303 East Wacker Drive, Suite 1400, Chicago, IL 60601
 MODEL NAME: 15-00131-00-BT

USER NAME = ken_mog	DESIGNED - KLM	REVISED -
PLOT SCALE = 5.0000' / 1"	DRAWN - KLM	REVISED -
PLOT DATE = 5/24/2016	CHECKED - BMC	REVISED -
	DATE - MAY 23, 2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CAL-SAG GREENWAY TRAIL (RIVERDALE SEGMENT)
 CROSS SECTIONS - MAJOR TAYLOR SPUR**

SCALE: SHEET 1 OF 1 SHEETS STA. 101+01.11 TO STA. 105+32.67

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00131-00-BT		51	51
CONTRACT NO. 61C73				
ILLINOIS FED. AID PROJECT				