

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | |
|-----------------------------|-------------------|----------------|--------------------|----------------|
| F.A.U. RTE. 3778 | SECTION 3144-R | COUNTY COOK | TOTAL SHEETS 79 | SHEET NO. 1 |
| ILLINOIS CONTRACT NO. 60P05 | | | | |

*79+2= 81 TOTAL PAGES

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN
THE VILLAGE OF OLYMPIA FIELDS AND
RICH TOWNSHIP

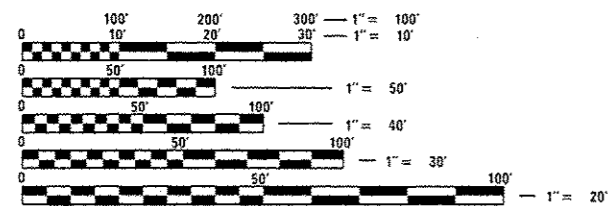
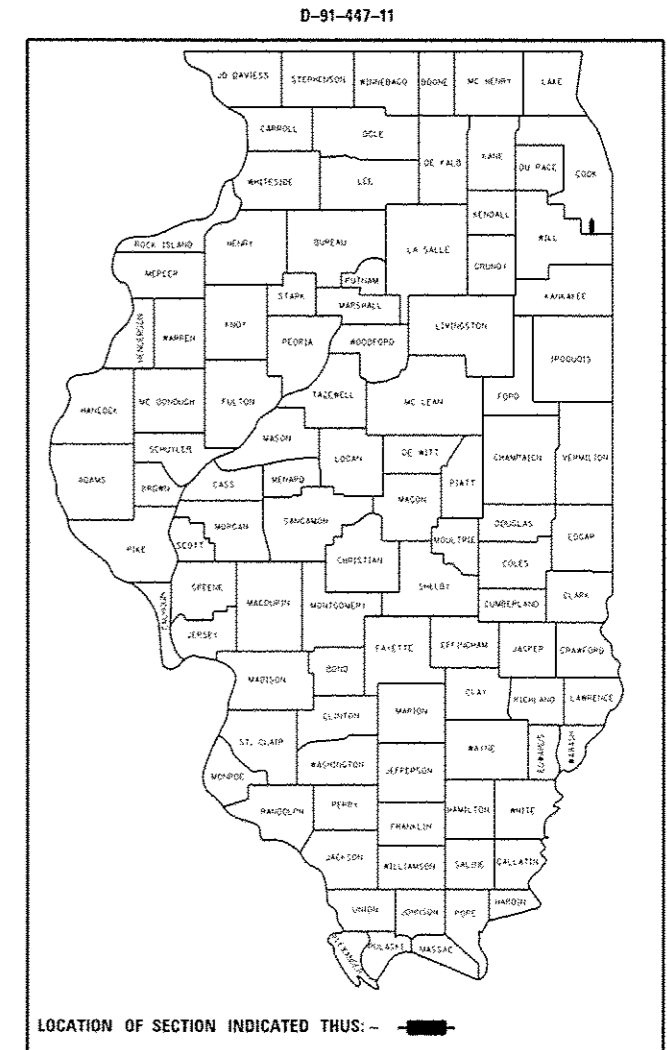
PROPOSED HIGHWAY PLANS

FAU ROUTE 3778: (PULASKI ROAD /CRAWFORD AVENUE)
AT 203RD STREET
SECTION 3144-R
PROJECT STP-3778(002)
INTERSECTION WIDENING, TRAFFIC SIGNAL
INSTALLATION, AND RESURFACING
COOK COUNTY

TRAFFIC DATA:
CRAWFORD AVE 2010 ADT = 12,100
POSTED SPEED LIMIT = 45 MPH

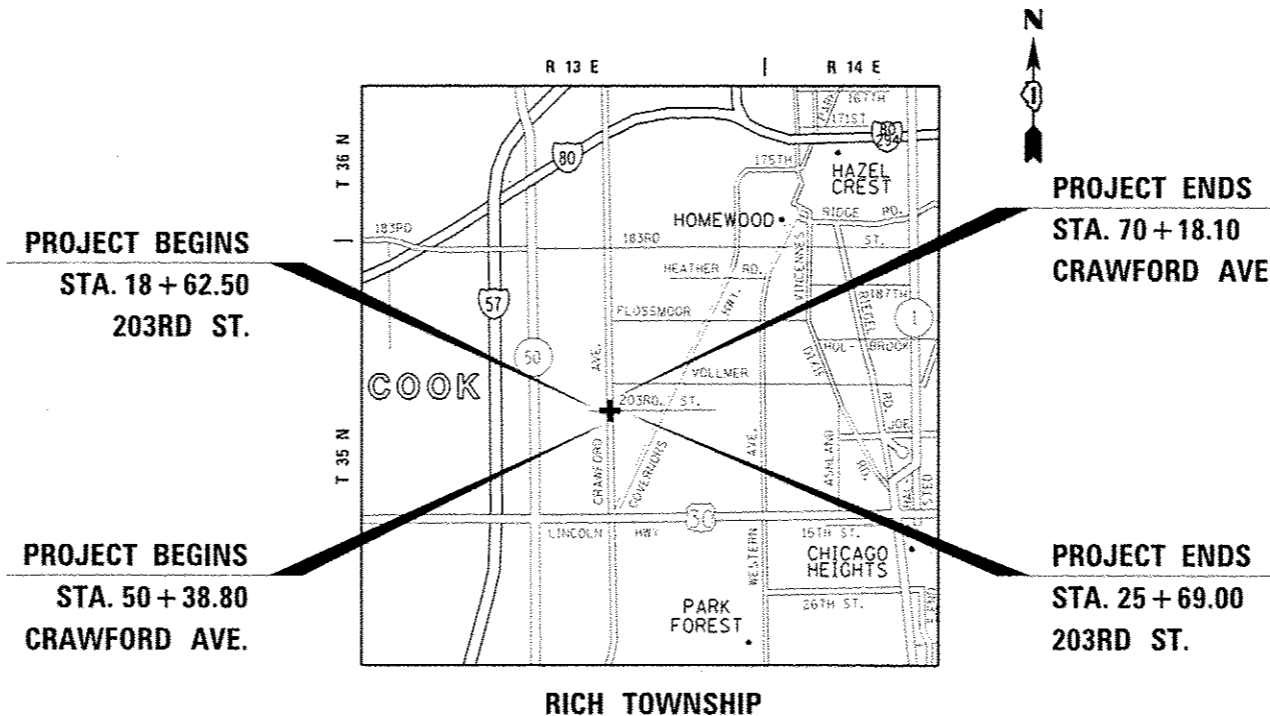
203RD ST 2010 ADT = 12,500
POSTED SPEED LIMIT = 25-30 MPH

C-91-447-11



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



CRAWFORD AVE. - GROSS AND NET LENGTH = 1,979.3 FT. = 0.375 MILE
203RD ST. - GROSS AND NET LENGTH = 706.5 FT. = 0.134 MILE
TOTAL GROSS AND NET LENGTH = 2,685.8 FT. = 0.509 MILE

PROJECT ENGINEER KARI SMITH (847) 705-4437
PROJECT MANAGER FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 60P05

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED April 3 2017
Anthony J. DeFina REGIONAL ENGINEER
May 12 2017
Margaret M. Addis, P.E. ENGINEER OF DESIGN AND ENVIRONMENT
May 12 2017
Paula J. [Signature] DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

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|-----------|---|
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| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 424001-09 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424006-02 | DIAGONAL CURB RAMPS FOR SIDEWALKS |
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| 442201-03 | CLASS C AND D PATCHES |
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| 701006-05 | OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE |
| 701011-04 | OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY |
| 701101-05 | OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE |
| 701201-04 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH |
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| 701306-03 | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH |
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| | |
|-----------|---|
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| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
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| 873001-02 | TRAFFIC SIGNAL GROUNDING & BONDING |
| 877001-06 | STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' |
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GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
6. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
7. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
9. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
10. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
11. THE ENGINEER SHALL CONTACT MS. PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, AT (708) 597-9800 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
12. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
13. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
14. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
15. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
16. IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
17. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
18. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPAIRED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.
19. ALL AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS FOR THE AND THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
20. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER.
21. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
22. 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 SECTION II.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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
PULASKI ROAD /CRAWFORD AVENUE AT 203RD STREET

| | | | | | | | | |
|---|-------------|------------|---------------------------|----------------------------------|---------|--------------------|--------------|-----------|
| FILE NAME : | USER NAME : | DESIGNED : | REVISED : | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| per\1\084E81D1NTEG.111\mns.gov\PIW00T\Documents\1007 Offices\District 1\Projects\PI4259\BRAND\Design\PI42599-shr-Design.dwg | peraynoal | | | 3778 | 3144-R | COOK | 79 | 3 |
| PLOT SCALE = 100.0000' / in. | CHECKED : | REVISED : | SCALE: NONE | SHEET NO. OF SHEETS STA. TO STA. | | CONTRACT NO. 60P05 | | |
| PLOT DATE = 5/5/2017 | DATE : | REVISED : | ILLINOIS FED. AID PROJECT | | | | | |

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| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | | |
|-----------------------|--|-------|------------------------|--|---|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 0004 80% FED 20% STATE STATE URBAN | 0021 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | | | |
| 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | UNIT | 202 | 202 | | | | | |
| 20101100 | TREE TRUNK PROTECTION | EACH | 5 | 5 | | | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 2487 | 2487 | | | | | |
| 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 201 | 201 | | | | | |
| 20800150 | TRENCH BACKFILL | CU YD | 68 | 68 | | | | | |
| 21001000 | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION | SO YD | 371 | 371 | | | | | |
| 21101505 | TOPSOIL EXCAVATION AND PLACEMENT | CU YD | 1293 | 1293 | | | | | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SO YD | 9831 | 9831 | | | | | |
| 25000210 | SEEDING, CLASS 2A | ACRE | 0.2 | 0.2 | | | | | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 129 | 129 | | | | | |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 129 | 129 | | | | | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 129 | 129 | | | | | |
| 25100115 | MULCH, METHOD 2 | ACRE | 0.2 | 0.2 | | | | | |
| 25100630 | EROSION CONTROL BLANKET | SO YD | 10776 | 10776 | | | | | |
| 25200110 | SODDING, SALT TOLERANT | SO YD | 8886 | 8886 | | | | | |

| SUMMARY OF QUANTITIES | | | CONSTRUCTION TYPE CODE | | | | | | |
|-----------------------|--|-------|------------------------|--|---|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 0004 80% FED 20% STATE STATE URBAN | 0021 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | | | |
| 25200200 | SUPPLEMENTAL WATERING | UNIT | 445 | 445 | | | | | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 204 | 204 | | | | | |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 216 | 216 | | | | | |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 1986 | 1986 | | | | | |
| 28000510 | INLET FILTERS | EACH | 20 | 20 | | | | | |
| 30300001 | AGGREGATE SUBGRADE IMPROVEMENT | CU YD | 970 | 970 | | | | | |
| 30300112 | AGGREGATE SUBGRADE IMPROVEMENT 12" | SO YD | 2910 | 2910 | | | | | |
| 35101800 | AGGREGATE BASE COURSE, TYPE B 6" | SO YD | 64 | 64 | | | | | |
| 35501304 | HOT-MIX ASPHALT BASE COURSE, 5" | SO YD | 2694 | 2694 | | | | | |
| 35501308 | HOT-MIX ASPHALT BASE COURSE, 6" | SO YD | 417 | 417 | | | | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 6833 | 6833 | | | | | |
| 40600400 | MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS | TON | 16 | 16 | | | | | |
| 40600827 | POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, NSO | TON | 418 | 418 | | | | | |

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| FILE NAME : | USER NAME : | DESIGNED : | REVISED : |
| pw\NLD\REBID\ITEMS\HND\DOT\Documents\DOT | paranest | | |
| Offices\Bristol\Projects\142299\CAD\Drawings\142299 | | | |
| PLLOT SCALE : | CHECKED : | REVISIED : | REVISIED : |
| 1000000 / 1in | | | |
| PLLOT DATE : | DATE : | REVISIED : | REVISIED : |
| 4/5/2017 | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PULASKI ROAD /CRAWFORD AVENUE AT 203RD STREET
SUMMARY OF QUANTITIES

| | | | | |
|---|---------|--------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 4 |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 60P05 | |

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

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| SUMMARY OF QUANTITIES | | | | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|--|-------|------------------|--|---|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 0004 80% FED 20% STATE STATE URBAN | 0021 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT | SO YD | 108 | 108 | | | | | |
| | JOINT | | | | | | | | |
| 40603335 | HOT-MIX ASPHALT SURFACE COURSE, MIX | TON | 68 | 68 | | | | | |
| | "D", N50 | | | | | | | | |
| 40603340 | HOT-MIX ASPHALT SURFACE COURSE, MIX | TON | 1006 | 1006 | | | | | |
| | "D", N70 | | | | | | | | |
| 42001300 | PROTECTIVE COAT | SO YD | 592 | 592 | | | | | |
| 42300400 | PORTLAND CEMENT CONCRETE DRIVEWAY | SO YD | 121 | 121 | | | | | |
| | PAVEMENT, 8 INCH | | | | | | | | |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SO FT | 1370 | 1370 | | | | | |
| 42400800 | DETECTABLE WARNINGS | SO FT | 26 | 26 | | | | | |
| 44000100 | PAVEMENT REMOVAL | SO YD | 1451 | 1451 | | | | | |
| 44000159 | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" | SO YD | 10122 | 10122 | | | | | |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SO YD | 592 | 592 | | | | | |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 1519 | 1519 | | | | | |
| 44000600 | SIDEWALK REMOVAL | SO FT | 1281 | 1281 | | | | | |
| 44201803 | CLASS D PATCHES, TYPE 11, 13 INCH | SO YD | 150 | 150 | | | | | |

| SUMMARY OF QUANTITIES | | | | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|--|-------|------------------|--|---|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 0004 80% FED 20% STATE STATE URBAN | 0021 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | | | |
| 44201807 | CLASS D PATCHES, TYPE III, 13 INCH | SO YD | 200 | 200 | | | | | |
| 44201809 | CLASS D PATCHES, TYPE IV, 13 INCH | SO YD | 150 | 150 | | | | | |
| 44201827 | CLASS D PATCHES, TYPE 11, 15 INCH | SO YD | 12 | 12 | | | | | |
| 44201831 | CLASS D PATCHES, TYPE III, 15 INCH | SO YD | 66 | 66 | | | | | |
| 44201833 | CLASS D PATCHES, TYPE IV, 15 INCH | SO YD | 199 | 199 | | | | | |
| 48101500 | AGGREGATE SHOULDERS, TYPE B 6" | SO YD | 646 | 646 | | | | | |
| 48203017 | HOT-MIX ASPHALT SHOULDERS, 5" | SO YD | 1590 | 1590 | | | | | |
| 50104400 | CONCRETE HEADWALL REMOVAL | EACH | 1 | 1 | | | | | |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 480 | 480 | | | | | |
| 54213660 | PRECAST REINFORCED CONCRETE FLARED END | EACH | 25 | 25 | | | | | |
| | SECTIONS 15" | | | | | | | | |
| 542A0220 | PIPE CULVERTS, CLASS A, TYPE 1 15" | FOOT | 390 | 390 | | | | | |
| 550A0070 | STORM SEWERS, CLASS A, TYPE 1 15" | FOOT | 52 | 52 | | | | | |
| 550A0340 | STORM SEWERS, CLASS A, TYPE 2 12" | FOOT | 36 | 36 | | | | | |
| 550A0360 | STORM SEWERS, CLASS A, TYPE 2 15" | FOOT | 180 | 180 | | | | | |
| 550A0380 | STORM SEWERS, CLASS A, TYPE 2 18" | FOOT | 123 | 123 | | | | | |

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| SUMMARY OF QUANTITIES | | | | CONSTRUCTION TYPE CODE | | | | | | |
|-----------------------|--|------|------------------|--|---|--|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 0004 | 0021 | | | | | |
| | | | | 80% FED 20% STATE STATE URBAN | 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | | | | |
| 550A0390 | STORM SEWERS, CLASS A, TYPE 2 20" | FOOT | 79 | 79 | | | | | | |
| 550A4000 | STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18" | FOOT | 64 | 64 | | | | | | |
| 550A4100 | STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24" | FOOT | 145 | 145 | | | | | | |
| 55100500 | STORM SEWER REMOVAL 12" | FOOT | 145 | 145 | | | | | | |
| 55100700 | STORM SEWER REMOVAL 15" | FOOT | 226 | 226 | | | | | | |
| 55100900 | STORM SEWER REMOVAL 18" | FOOT | 116 | 116 | | | | | | |
| 60108204 | PIPE UNDERDRAINS, TYPE 2, 4" | FOOT | 770 | 770 | | | | | | |
| 60200805 | CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 8 GRATE | EACH | 3 | 3 | | | | | | |
| 60201340 | CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 24 FRAME AND GRATE | EACH | 4 | 4 | | | | | | |
| 60204505 | CATCH BASINS, TYPE A, 5' -DIAMETER, TYPE 8 GRATE | EACH | 4 | 4 | | | | | | |
| 60205040 | CATCH BASINS, TYPE A, 5' -DIAMETER, TYPE 24 FRAME AND GRATE | EACH | 2 | 2 | | | | | | |

URBAN

| SUMMARY OF QUANTITIES | | | | CONSTRUCTION TYPE CODE | | | | | | |
|-----------------------|---|--------|------------------|--|---|--|--|--|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 0004 | 0021 | | | | | |
| | | | | 80% FED 20% STATE STATE URBAN | 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | | | | |
| 60207605 | CATCH BASINS, TYPE C, TYPE 8 GRATE | EACH | 1 | 1 | | | | | | |
| 60218400 | MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 | 1 | | | | | | |
| 60221100 | MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 3 | 3 | | | | | | |
| 60250200 | CATCH BASINS TO BE ADJUSTED | EACH | 2 | 2 | | | | | | |
| 60255500 | MANHOLES TO BE ADJUSTED | EACH | 2 | 2 | | | | | | |
| 60500040 | REMOVING MANHOLES | EACH | 2 | 2 | | | | | | |
| 60500050 | REMOVING CATCH BASINS | EACH | 4 | 4 | | | | | | |
| 60500060 | REMOVING INLETS | EACH | 1 | 1 | | | | | | |
| 60603800 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | FOOT | 1427 | 1427 | | | | | | |
| 66900200 | NON-SPECIAL WASTE DISPOSAL | CU YD | 350 | 350 | | | | | | |
| 66900450 | SPECIAL WASTE PLANS AND REPORTS | L SUM | 1 | 1 | | | | | | |
| 66900530 | SOIL DISPOSAL ANALYSIS | EACH | 2 | 2 | | | | | | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 6 | 6 | | | | | | |

11

| | | | | | | | | | | | | | | | | |
|--------------------|---------------------|------------|-----------|---|------|----|------|---|--|--|--|------------------------|-------------------|----------------|-----------------------|-------------------|
| FILE NAME : | USER NAME : pcrarad | DESIGNED : | REVISED : | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | | | PULASKI ROAD / CRAWFORD AVENUE AT 203RD STREET SUMMARY OF QUANTITIES | | | | F.A.U. RTE. 377B | SECTION 3144-R | COUNTY COOK | TOTAL SHEETS 79 | SHEET NO. 6 |
| CONTRACT NO. 60P05 | SCALE: | SHEET NO. | OF | SHEETS | STA. | TO | STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | | |

| SUMMARY OF QUANTITIES | | | URBAN CONSTRUCTION TYPE CODE | | | | |
|-----------------------|---|-------|------------------------------|--|---|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 0004 80% FED 20% STATE STATE URBAN | 0021 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 1577 | 1577 | | | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SO FT | 526 | 526 | | | |
| 70300210 | TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS | SO FT | 194 | 194 | | | |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 10632 | 10632 | | | |
| 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6" | FOOT | 998 | 998 | | | |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 234 | 234 | | | |
| 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24" | FOOT | 152 | 152 | | | |
| 70300520 | PAVEMENT MARKING TAPE, TYPE III 4" | FOOT | 789 | 789 | | | |
| 70300904 | PAVEMENT MARKING TAPE, TYPE IV 4" | FOOT | 12715 | 12715 | | | |
| 70300924 | PAVEMENT MARKING TAPE, TYPE IV 24" | FOOT | 11 | 11 | | | |
| * 72000100 | SIGN PANEL - TYPE 1 | SO FT | 13.5 | 13.5 | | | |
| * 72000200 | SIGN PANEL - TYPE 2 | SO FT | 33.25 | 13.75 | 19.5 | | |

| SUMMARY OF QUANTITIES | | | URBAN CONSTRUCTION TYPE CODE | | | | |
|-----------------------|---|-------|------------------------------|--|---|--|--|
| CODE NO | ITEM | UNIT | TOTAL QUANTITIES | 0004 80% FED 20% STATE STATE URBAN | 0021 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | |
| * 78000100 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SO FT | 193.4 | 193.4 | | | |
| * 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 10632 | 10632 | | | |
| * 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 998 | 998 | | | |
| * 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 234 | 234 | | | |
| * 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 152 | 152 | | | |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 155 | 155 | | | |
| 78300200 | RAISED REFLECTIVE PAVEMENT MARKER REMOVAL | EACH | 155 | 155 | | | |
| * 81028200 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 971 | 971 | | | |
| * 81028220 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 177 | 177 | | | |
| * 81028240 | UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 289 | 289 | | | |
| * 81400100 | HANDHOLE | EACH | 2 | 2 | | | |

*Specialty Item

URBAN

URBAN

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|---|------|------------------|--|---|--|--|--|
| CODE NO | ITEM | UNIT | | 0004 80% FED 20% STATE STATE URBAN | 0021 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | | |
| * 81400200 | HEAVY-DUTY HANDHOLE | EACH | 6 | | 6 | | | |
| * 81400300 | DOUBLE HANDHOLE | EACH | 1 | | 1 | | | |
| * 85000500 | MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION | EACH | 2 | | 2 | | | |
| * 87301215 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 225 | | 225 | | | |
| * 87301225 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 235 | | 235 | | | |
| * 87301245 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 1380 | | 1380 | | | |
| * 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 970 | | 970 | | | |
| * 87301305 | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 1030 | | 1030 | | | |
| * 87301805 | ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C | FOOT | 475 | | 475 | | | |
| * 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 1025 | | 1025 | | | |
| * 87502500 | TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 4 | | 4 | | | |

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | |
|-----------------------|--|------|------------------|--|---|--|--|--|
| CODE NO | ITEM | UNIT | | 0004 80% FED 20% STATE STATE URBAN | 0021 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | | |
| * 87700170 | STEEL MAST ARM ASSEMBLY AND POLE, 26 FT. | EACH | 1 | | 1 | | | |
| * 87700220 | STEEL MAST ARM ASSEMBLY AND POLE, 36 FT. | EACH | 2 | | 2 | | | |
| * 87700260 | STEEL MAST ARM ASSEMBLY AND POLE, 44 FT. | EACH | 1 | | 1 | | | |
| * 87800100 | CONCRETE FOUNDATION, TYPE A | FOOT | 20 | | 20 | | | |
| * 87800150 | CONCRETE FOUNDATION, TYPE C | FOOT | 4 | | 4 | | | |
| * 87800400 | CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | 37 | | 37 | | | |
| * 87800415 | CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 13 | | 13 | | | |
| * 88030020 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 5 | | 5 | | | |
| * 88030050 | SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 2 | | 2 | | | |
| * 88030100 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 3 | | 3 | | | |
| * 88030110 | SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 3 | | 3 | | | |

* Specialty Item

URBAN

URBAN

| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|--|-------|------------------|--|---|--|--|--|--|
| CODE NO | ITEM | UNIT | | 0004 80% FED 20% STATE STATE URBAN | 0021 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | | | |
| * 88102717 | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 2 | | 2 | | | | |
| * 88200410 | TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 8 | | 8 | | | | |
| * 88500100 | INDUCTIVE LOOP DETECTOR | EACH | 4 | | 4 | | | | |
| * 88600100 | DETECTOR LOOP, TYPE 1 | FOOT | 280 | | 280 | | | | |
| * 88800100 | PEDESTRIAN PUSH-BUTTON | EACH | 2 | | 2 | | | | |
| 89502400 | REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE | EACH | 2 | | 2 | | | | |
| X0327979 | PAVEMENT MARKING REMOVAL - GRINDING | SO FT | 5038 | 5038 | | | | | |
| * X1400107 | FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET | EACH | 1 | | 1 | | | | |
| * X1400150 | SERVICE INSTALLATION, GROUND MOUNTED, METERED | EACH | 1 | | 1 | | | | |
| X1400201 | RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR | EACH | 2 | | 2 | | | | |
| X4021000 | TEMPORARY ACCESS (PRIVATE ENTRANCE) | EACH | 9 | 9 | | | | | |
| X4022000 | TEMPORARY ACCESS (COMMERCIAL ENTRANCE) | EACH | 2 | 2 | | | | | |

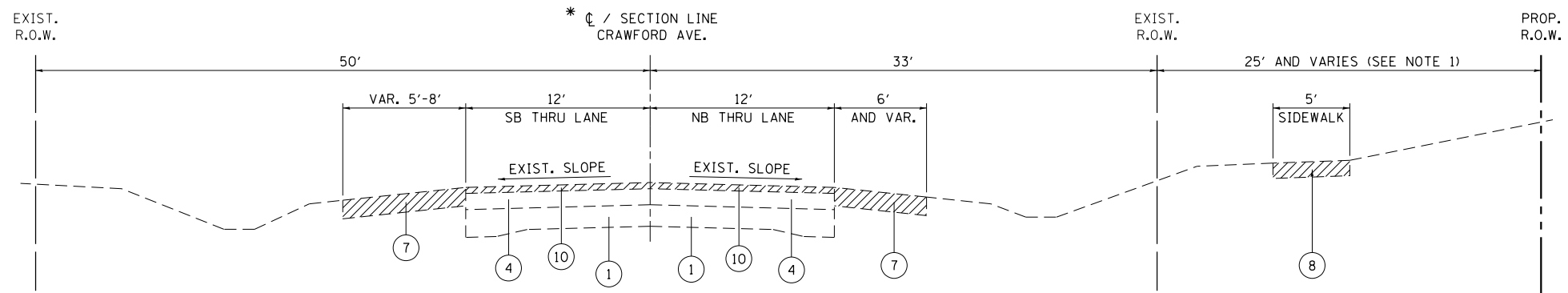
| SUMMARY OF QUANTITIES | | | TOTAL QUANTITIES | CONSTRUCTION TYPE CODE | | | | | |
|-----------------------|--|--------|------------------|--|---|--|--|--|--|
| CODE NO | ITEM | UNIT | | 0004 80% FED 20% STATE STATE URBAN | 0021 80% FED 10% STATE 5% VILLAGE 5% TOWNSHIP TRAFFIC SIGNALS | | | | |
| X5537700 | STORM SEWERS TO BE CLEANED 10" | FOOT | 345 | 345 | | | | | |
| X5537800 | STORM SEWERS TO BE CLEANED 12" | FOOT | 42 | 42 | | | | | |
| X5538000 | STORM SEWERS TO BE CLEANED 18" | FOOT | 822 | 822 | | | | | |
| X620094 | MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE | EACH | 1 | 1 | | | | | |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 | 1 | | | | | |
| X7015005 | CHANGEABLE MESSAGE SIGN | CAL DA | 60 | 60 | | | | | |
| X7030005 | TEMPORARY PAVEMENT MARKING REMOVAL | SO FT | 15114 | 15114 | | | | | |
| X8620200 | UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 1 | 1 | | | | | |
| Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 1 | | | | | |
| Z0018500 | DRAINAGE STRUCTURES TO BE CLEANED | EACH | 6 | 6 | | | | | |
| Z0030850 | TEMPORARY INFORMATION SIGNING | SO FT | 140.3 | 140.3 | | | | | |

* Specialty Item

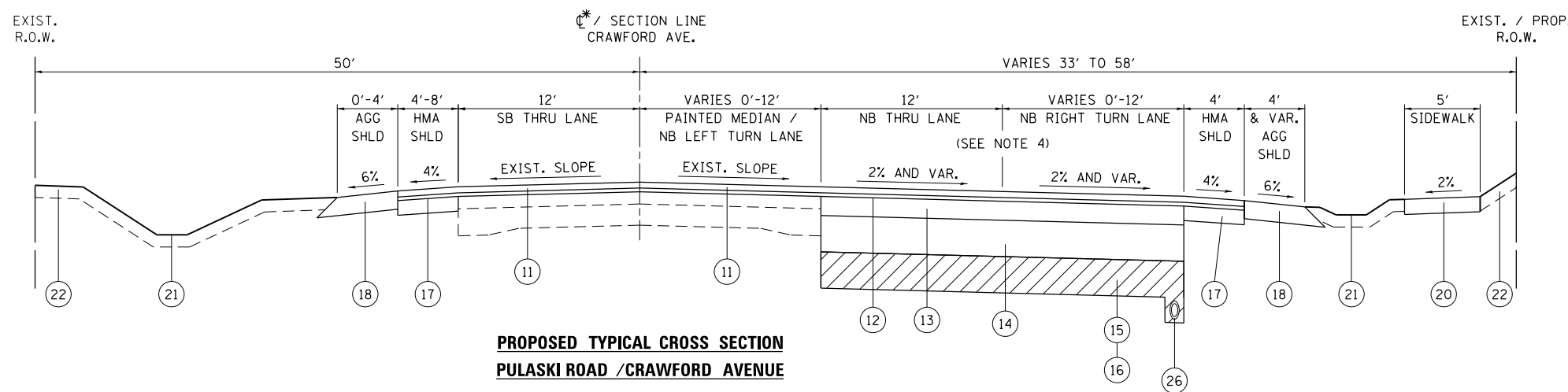
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|---|---|-------------------------|--------------------------|---|--|------------------------|-------------------|-----------------------|---------------------------|--------------------|
| FILE NAME : P:\VLD\B4E\BID\EG\11\nd\sgn\PH007\Doc\mms\1007 | USER NAME : pergnoul 011\ans\Dist\rd\N\ro\acts\PIA\2599\CAD\ard\On\gn\PH42 | DESIGNED - REVISED - | REVISIONS - REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PULASKI ROAD /CRAWFORD AVENUE AT 203RD STREET SUMMARY OF QUANTITIES | F.A.U. RTE. 3778 | SECTION 3144-R | COUNTY COOK | TOTAL SHEETS 79 | SHEET NO. 9 |
| PLOT SCALE : 100,0000 1/4" = 1' | CHECKED - | REVISIONS - | SCALE: | | | SHEET NO. OF SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT | CONTRACT NO. 60P05 |
| PLOT DATE : 4/5/2007 | DATE - | REVISIONS - | | | | | | | | |
| | | | | | | | | | | |

☐ NON PARTICIPATING

REV



**EXISTING TYPICAL CROSS SECTION
PULASKI ROAD /CRAWFORD AVENUE**
STA. 50+38.80 TO STA. 60+00



**PROPOSED TYPICAL CROSS SECTION
PULASKI ROAD /CRAWFORD AVENUE**
STA. 50+38.80 TO STA. 60+00

LEGEND

- ① EXIST. PCC PAVEMENT, 8"
- ② EXIST. HMA SHOULDER, ± 6"
(REMOVAL TO BE PAID FOR AS PAVEMENT REMOVAL)
- ③ EXIST. HMA BASE COURSE, ± 8"
- ④ EXIST. HMA BINDER/SURFACE COURSE, ± 7 1/2"
- ⑤ EXIST. HMA BINDER / SURFACE COURSE, ± 2 1/2"
- ⑥ EXIST. COMBINATION CONC. CURB AND GUTTER, TYPE B-6.12
- ⑦ EXIST. AGGREGATE SHOULDER
- ⑧ EXIST. PCC SIDEWALK, 5'
- ⑨ EXIST. BIKE PATH
- ⑩ PROP. HMA SURFACE REMOVAL, 2 1/2"
- ⑪ PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- ⑫ PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ⑬ PROP. HMA BASE COURSE, 5"
- ⑭ PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑮ PROP. UNDERCUT, 12" (STA. 59+25 TO STA. 62+00)
- ⑯ PROP. AGGREGATE SUBGRADE IMPROVEMENT
(FOR PROPOSED UNDERCUT AT STA. 59+25 TO STA. 62+00)
- ⑰ PROP. HMA SHOULDERS, 5"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B, 6"
- ⑲ PROP. COMBINATION CONC. CURB AND GUTTER, TYPE B-6.12
- ⑳ PROP. PCC SIDEWALK, 5"
- ㉑ PROP. SWALE/DITCH
- ㉒ PROP. TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
- ㉓ PROP. HMA SURFACE COURSE, MIX "D", N50, 2"
- ㉔ PROP. AGGREGATE BASE COURSE, TYPE B, 6"
- ㉕ PROP. PIPE UNDERDRAIN, 4"
(FOR PROPOSED UNDERCUT AT STA. 59+25 TO STA. 62+00)
- ㉖ PROP. SUB-BASE GRANULAR MATERIAL, TYPE B
(SEE DISTRICT DETAIL BD-24)



NOTES

1. PAVEMENT SECTION FROM STA. 22+09 TO STA. 25+69 CONSISTS OF PAVEMENT MARKINGS REMOVAL AND RESTRIPIING ONLY. SEE ROADWAY PLAN AND PROFILE SHEETS FOR MORE INFORMATION.
2. PROPOSED PAVEMENT WIDENING FROM 0' TO 24' ALONG CRAWFORD AVE. ADDITIONAL PAVEMENT WIDENING NOT SHOWN ON THE PROPOSED TYPICAL SECTIONS SHALL BE DONE AT RADIUS RETURNS FOR 204TH ST, 203RD ST, AND BLACKSTONE AVE. SEE ROADWAY PLAN AND PROFILE AND CROSS SECTION SHEETS FOR MORE INFORMATION.
3. R.O.W. DIMENSIONS ARE MEASURED FROM SECTION LINES. ALL OTHER DIMENSIONS ARE MEASURED FROM EXIST. CL ALIGNMENT. SEE PLAT OF HIGHWAYS FOR MORE INFORMATION.

PATCHING SEQUENCE OF CONSTRUCTION

FULL DEPTH PAVEMENT PATCHING SHALL BE DONE PRIOR TO ROADWAY MILLING AT THE LOCATIONS AS SHOWN ON THE DRAINAGE AND UTILITIES PLAN SHEETS AND AS DIRECTED BY THE ENGINEER.

IN ALL OTHER LOCATIONS, ROADWAY MILLING SHALL BE DONE PRIOR TO PATCHING.

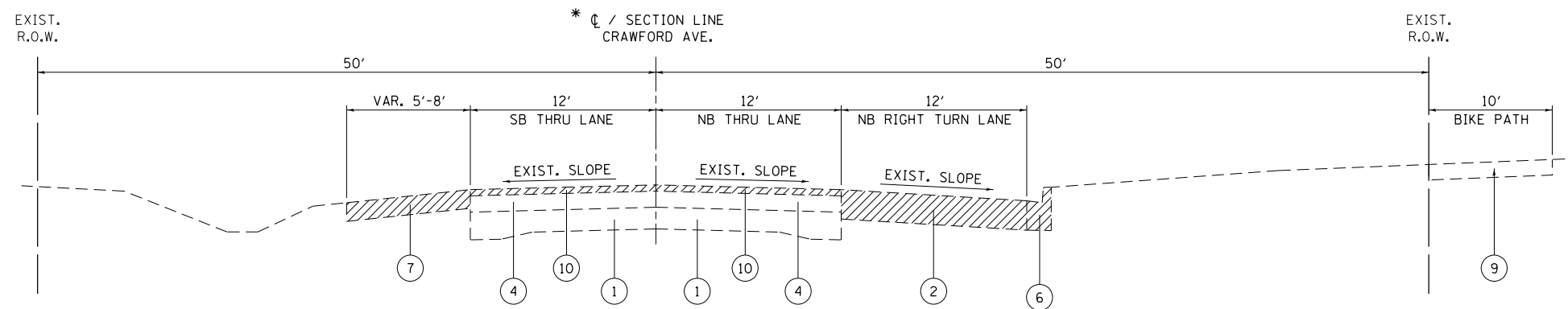
| HOT-MIX ASPHALT MIXTURE REQUIREMENTS | | QUALITY MANAGEMENT PROGRAM (QMP) |
|--|------------------|----------------------------------|
| MIXTURE TYPE | AIR VOIDS @ Ndes | |
| PAVEMENT WIDENING AND RESURFACING | | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm) | 4.0% @ 70 GYR. | QCP |
| POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 | 3.5% @ 50 GYR. | QC/OA |
| HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0), 15" | 4.0% @ 70 GYR. | QC/OA |
| PATCHING | | |
| CLASS D PATCH (HMA BINDER IL-19mm), 13" AND 15" | 4.0% @ 70 GYR. | QC/OA |
| SHOULDERS | | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) | 4.0% @ 70 GYR. | QCP |
| POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 | 3.5% @ 50 GYR. | QC/OA |
| HOT-MIX ASPHALT SHOULDER, 5" (HMA BINDER IL-19mm) | 4.0% @ 70 GYR. | QC/OA |
| DRIVEWAYS | | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm) | 4.0% @ 50 GYR. | QC/OA |
| HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL 19mm), 6" | 4.0% @ 50 GYR. | QC/OA |
| BIKE PATH | | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm) | 4.0% @ 50 GYR. | QC/OA |
| QMP Designation: Quality Control/Quality Assurance (QC / OA); Quality Control for Performance (QCP). | | |

NOTES:

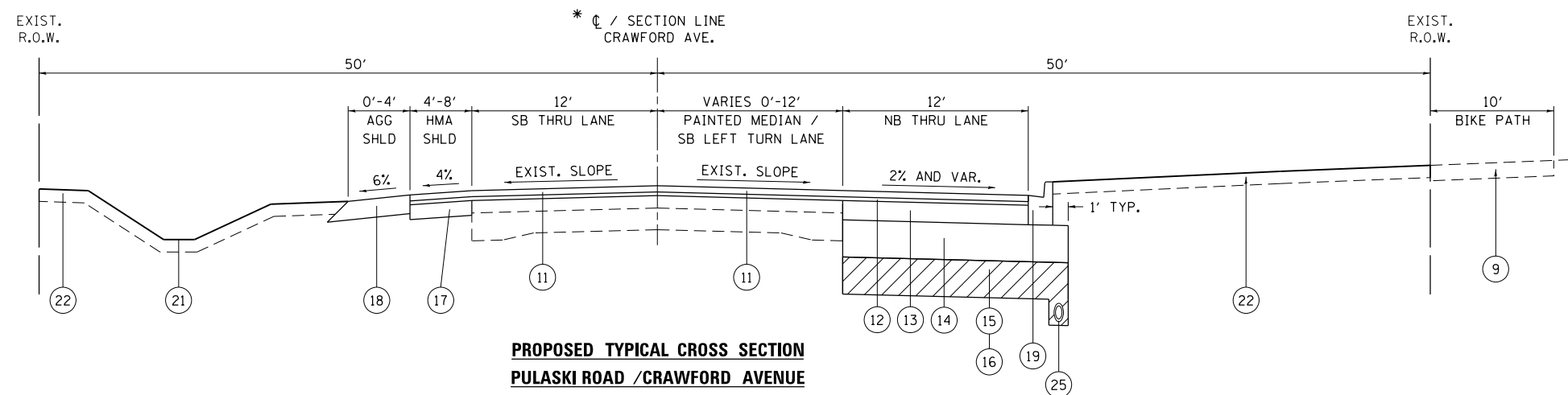
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OR RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



**EXISTING TYPICAL CROSS SECTION
PULASKI ROAD /CRAWFORD AVENUE**
STA. 60+00 TO STA. 70+18.10



**PROPOSED TYPICAL CROSS SECTION
PULASKI ROAD /CRAWFORD AVENUE**
STA. 60+00 TO STA. 70+18.10

LEGEND

- ① EXIST. PCC PAVEMENT, 8"
- ② EXIST. HMA SHOULDER, ± 6"
(REMOVAL TO BE PAID FOR AS PAVEMENT REMOVAL)
- ③ EXIST. HMA BASE COURSE, ± 8"
- ④ EXIST. HMA BINDER/SURFACE COURSE, ± 7 1/2"
- ⑤ EXIST. HMA BINDER / SURFACE COURSE, ± 2 1/2"
- ⑥ EXIST. COMBINATION CONC. CURB AND GUTTER, TYPE B-6.12
- ⑦ EXIST. AGGREGATE SHOULDER
- ⑧ EXIST. PCC SIDEWALK, 5'
- ⑨ EXIST. BIKE PATH
- ⑩ PROP. HMA SURFACE REMOVAL, 2 1/2"
- ⑪ PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- ⑫ PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ⑬ PROP. HMA BASE COURSE, 5"
- ⑭ PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑮ PROP. UNDERCUT, 12" (STA. 59+25 TO STA. 62+00)
- ⑯ PROP. AGGREGATE SUBGRADE IMPROVEMENT
(FOR PROPOSED UNDERCUT AT STA. 59+25 TO STA. 62+00)
- ⑰ PROP. HMA SHOULDERS, 5"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B, 6"
- ⑲ PROP. COMBINATION CONC. CURB AND GUTTER, TYPE B-6.12
- ⑳ PROP. PCC SIDEWALK, 5"
- ㉑ PROP. SWALE/DITCH
- ㉒ PROP. TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
- ㉓ PROP. HMA SURFACE COURSE, MIX "D", N50, 2"
- ㉔ PROP. AGGREGATE BASE COURSE, TYPE B, 6"
- ㉕ PROP. PIPE UNDERDRAIN, 4"
(FOR PROPOSED UNDERCUT AT STA. 59+25 TO STA. 62+00)
- ㉖ PROP. SUB-BASE GRANULAR MATERIAL, TYPE B
(SEE DISTRICT DETAIL BD-24)



NOTES

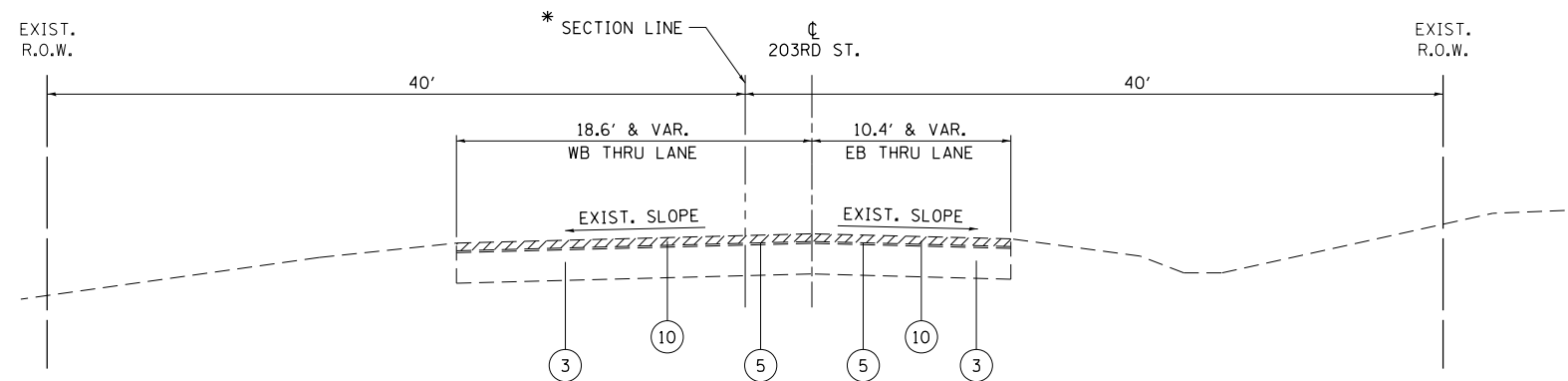
1. PAVEMENT SECTION FROM STA. 22+09 TO STA. 25+69 CONSISTS OF PAVEMENT MARKINGS REMOVAL AND RESTRIPIING ONLY. SEE ROADWAY PLAN AND PROFILE SHEETS FOR MORE INFORMATION.
2. PROPOSED PAVEMENT WIDENING FROM 0' TO 24' ALONG CRAWFORD AVE. ADDITIONAL PAVEMENT WIDENING NOT SHOWN ON THE PROPOSED TYPICAL SECTIONS SHALL BE DONE AT RADIUS RETURNS FOR 204TH ST, 203RD ST, AND BLACKSTONE AVE. SEE ROADWAY PLAN AND PROFILE AND CROSS SECTION SHEETS FOR MORE INFORMATION.
3. R.O.W. DIMENSIONS ARE MEASURED FROM SECTION LINES. ALL OTHER DIMENSIONS ARE MEASURED FROM EXIST. C ALIGNMENT. SEE PLAT OF HIGHWAYS FOR MORE INFORMATION.

PATCHING SEQUENCE OF CONSTRUCTION

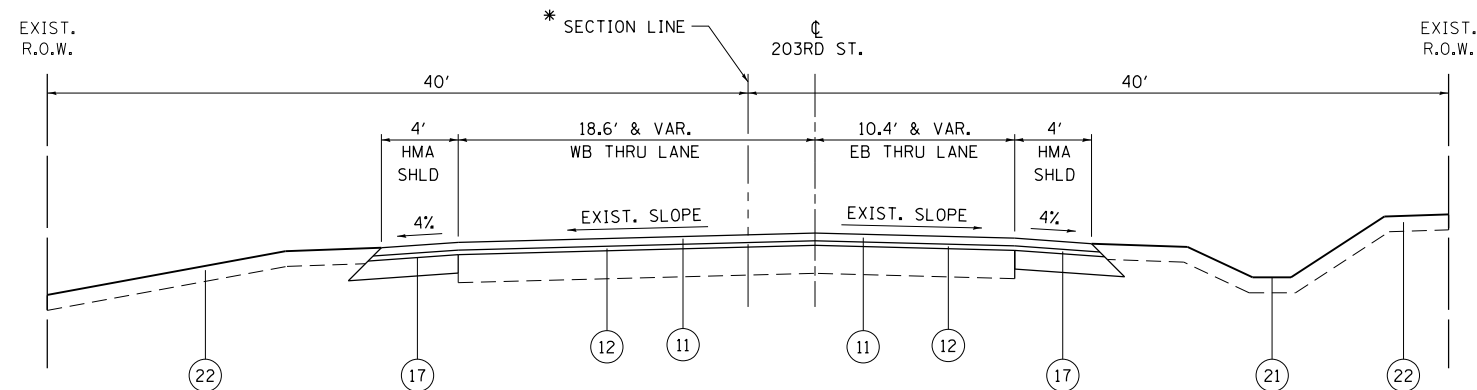
FULL DEPTH PAVEMENT PATCHING SHALL BE DONE PRIOR TO ROADWAY MILLING AT THE LOCATIONS AS SHOWN ON THE DRAINAGE AND UTILITIES PLAN SHEETS AND AS DIRECTED BY THE ENGINEER.

IN ALL OTHER LOCATIONS, ROADWAY MILLING SHALL BE DONE PRIOR TO PATCHING.

| | | | | | | | | | | | | |
|--|-----------------------|------------|-----------|---|--|-------------------------|------|-------------|---------------------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PROPOSED TYPICAL SECTIONS PULASKI ROAD /CRAWFORD AVENUE AT 203RD STREET | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\11\084EBID\INTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P142599\Design\PI42599-shr-Design.dgn | | CHECKED - | REVISED - | | 3778 | 3144-R | COOK | 79 | 11 | | | |
| PLOT SCALE = 100.0000' / 1". | | DATE - | REVISED - | | CONTRACT NO. 60P05 | | | | | | | |
| PLOT DATE = 4/5/2017 | | | | | SCALE: NONE | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | | |



EXISTING TYPICAL CROSS SECTION
203RD STREET
 STA. 18+62.50 TO STA. 20+00



PROPOSED TYPICAL CROSS SECTION
203RD STREET
 STA. 18+62.50 TO STA. 20+00

LEGEND

- ① EXIST. PCC PAVEMENT, 8"
- ② EXIST. HMA SHOULDER, ± 6"
(REMOVAL TO BE PAID FOR AS PAVEMENT REMOVAL)
- ③ EXIST. HMA BASE COURSE, ± 8"
- ④ EXIST. HMA BINDER/SURFACE COURSE, ± 7 1/2"
- ⑤ EXIST. HMA BINDER / SURFACE COURSE, ± 2 1/2"
- ⑥ EXIST. COMBINATION CONC. CURB AND GUTTER, TYPE B-6.12
- ⑦ EXIST. AGGREGATE SHOULDER
- ⑧ EXIST. PCC SIDEWALK, 5'
- ⑨ EXIST. BIKE PATH
- ⑩ PROP. HMA SURFACE REMOVAL, 2 1/2"
- ⑪ PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- ⑫ PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ⑬ PROP. HMA BASE COURSE, 5"
- ⑭ PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑮ PROP. UNDERCUT, 12" (STA. 59+25 TO STA. 62+00)
- ⑯ PROP. AGGREGATE SUBGRADE IMPROVEMENT
(FOR PROPOSED UNDERCUT AT STA. 59+25 TO STA. 62+00)
- ⑰ PROP. HMA SHOULDERS, 5"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B, 6"
- ⑲ PROP. COMBINATION CONC. CURB AND GUTTER, TYPE B-6.12
- ⑳ PROP. PCC SIDEWALK, 5"
- ㉑ PROP. SWALE/DITCH
- ㉒ PROP. TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
- ㉓ PROP. HMA SURFACE COURSE, MIX "D", N50, 2"
- ㉔ PROP. AGGREGATE BASE COURSE, TYPE B, 6"
- ㉕ PROP. PIPE UNDERDRAIN, 4"
(FOR PROPOSED UNDERCUT AT STA. 59+25 TO STA. 62+00)
- ㉖ PROP. SUB-BASE GRANULAR MATERIAL, TYPE B
(SEE DISTRICT DETAIL BD-24)



NOTES

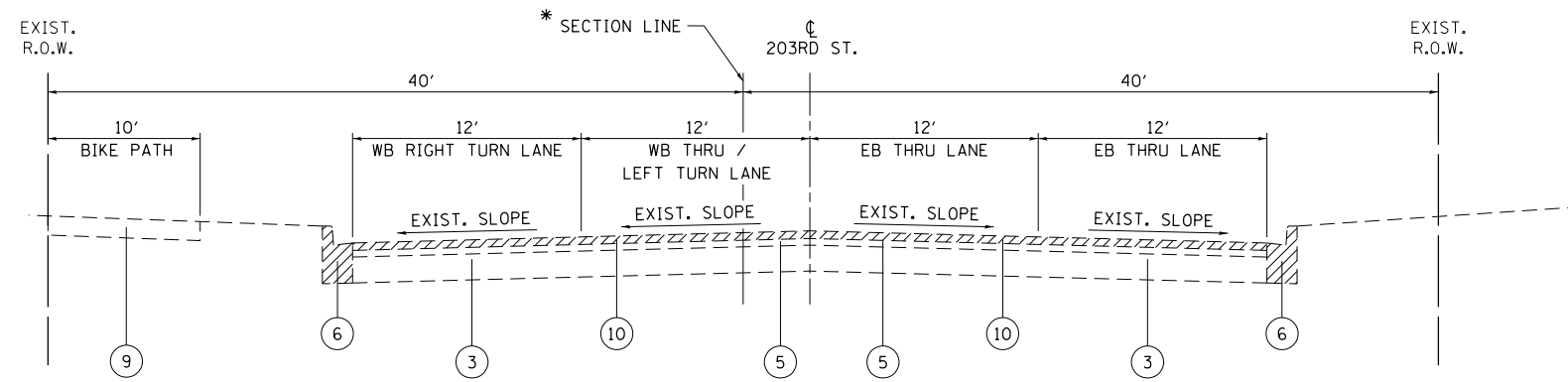
1. PAVEMENT SECTION FROM STA. 22+09 TO STA. 25+69 CONSISTS OF PAVEMENT MARKINGS REMOVAL AND RESTRIPIING ONLY. SEE ROADWAY PLAN AND PROFILE SHEETS FOR MORE INFORMATION.
2. PROPOSED PAVEMENT WIDENING FROM 0' TO 24' ALONG CRAWFORD AVE. ADDITIONAL PAVEMENT WIDENING NOT SHOWN ON THE PROPOSED TYPICAL SECTIONS SHALL BE DONE AT RADIUS RETURNS FOR 204TH ST, 203RD ST, AND BLACKSTONE AVE. SEE ROADWAY PLAN AND PROFILE AND CROSS SECTION SHEETS FOR MORE INFORMATION.
3. R.O.W. DIMENSIONS ARE MEASURED FROM SECTION LINES. ALL OTHER DIMENSIONS ARE MEASURED FROM EXIST. CL ALIGNMENT. SEE PLAT OF HIGHWAYS FOR MORE INFORMATION.

PATCHING SEQUENCE OF CONSTRUCTION

FULL DEPTH PAVEMENT PATCHING SHALL BE DONE PRIOR TO ROADWAY MILLING AT THE LOCATIONS AS SHOWN ON THE DRAINAGE AND UTILITIES PLAN SHEETS AND AS DIRECTED BY THE ENGINEER.

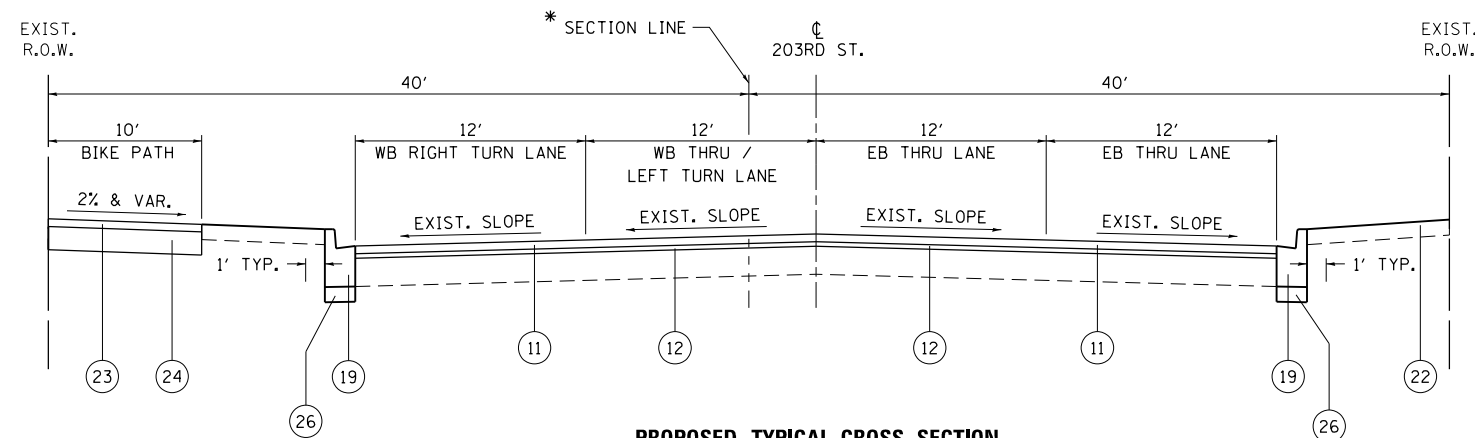
IN ALL OTHER LOCATIONS, ROADWAY MILLING SHALL BE DONE PRIOR TO PATCHING.

| | | | | | | | | | | | | |
|--|-----------------------|------------|-----------|---|--|-------------------------|------|-----------------|---------------------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EXISTING TYPICAL SECTIONS PULASKI ROAD /CRAWFORD AVENUE AT 203RD STREET | | | F.A.U. R.T.E. = | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P142599\Drawings\Design\P142599-shd-Design.dgn | | CHECKED - | REVISED - | | 3778 | 3144-R | COOK | 79 | 12 | | | |
| PLOT SCALE = 100.0000' / in. | | DATE - | REVISED - | | CONTRACT NO. 60P05 | | | | | | | |
| PLOT DATE = 4/5/2017 | | | | | SCALE: NONE | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | | |



EXISTING TYPICAL CROSS SECTION
203RD STREET

STA. 20+00 TO STA. 22+09 (SEE NOTE)



PROPOSED TYPICAL CROSS SECTION
203RD STREET

STA. 20+00 TO STA. 22+09 (SEE NOTE)

LEGEND

- ① EXIST. PCC PAVEMENT, 8"
- ② EXIST. HMA SHOULDER, ± 6"
(REMOVAL TO BE PAID FOR AS PAVEMENT REMOVAL)
- ③ EXIST. HMA BASE COURSE, ± 8"
- ④ EXIST. HMA BINDER/SURFACE COURSE, ± 7 1/2"
- ⑤ EXIST. HMA BINDER / SURFACE COURSE, ± 2 1/2"
- ⑥ EXIST. COMBINATION CONC. CURB AND GUTTER, TYPE B-6.12
- ⑦ EXIST. AGGREGATE SHOULDER
- ⑧ EXIST. PCC SIDEWALK, 5'
- ⑨ EXIST. BIKE PATH
- ⑩ PROP. HMA SURFACE REMOVAL, 2 1/2"
- ⑪ PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- ⑫ PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ⑬ PROP. HMA BASE COURSE, 5"
- ⑭ PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
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- ⑯ PROP. AGGREGATE SUBGRADE IMPROVEMENT
(FOR PROPOSED UNDERCUT AT STA. 59+25 TO STA. 62+00)
- ⑰ PROP. HMA SHOULDERS, 5"
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- ㉓ PROP. HMA SURFACE COURSE, MIX "D", N50, 2"
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- ㉕ PROP. PIPE UNDERDRAIN, 4"
(FOR PROPOSED UNDERCUT AT STA. 59+25 TO STA. 62+00)
- ㉖ PROP. SUB-BASE GRANULAR MATERIAL, TYPE B
(SEE DISTRICT DETAIL BD-24)

REMOVAL ITEMS

NOTES

1. PAVEMENT SECTION FROM STA. 22+09 TO STA. 25+69 CONSISTS OF PAVEMENT MARKINGS REMOVAL AND RESTRIPIING ONLY. SEE ROADWAY PLAN AND PROFILE SHEETS FOR MORE INFORMATION.
2. PROPOSED PAVEMENT WIDENING FROM 0' TO 24' ALONG CRAWFORD AVE. ADDITIONAL PAVEMENT WIDENING NOT SHOWN ON THE PROPOSED TYPICAL SECTIONS SHALL BE DONE AT RADIUS RETURNS FOR 204TH ST, 203RD ST, AND BLACKSTONE AVE. SEE ROADWAY PLAN AND PROFILE AND CROSS SECTION SHEETS FOR MORE INFORMATION.
3. R.O.W. DIMENSIONS ARE MEASURED FROM SECTION LINES. ALL OTHER DIMENSIONS ARE MEASURED FROM EXIST. ϕ ALIGNMENT. SEE PLAT OF HIGHWAYS FOR MORE INFORMATION.

PATCHING SEQUENCE OF CONSTRUCTION

FULL DEPTH PAVEMENT PATCHING SHALL BE DONE PRIOR TO ROADWAY MILLING AT THE LOCATIONS AS SHOWN ON THE DRAINAGE AND UTILITIES PLAN SHEETS AND AS DIRECTED BY THE ENGINEER.

IN ALL OTHER LOCATIONS, ROADWAY MILLING SHALL BE DONE PRIOR TO PATCHING.

| | | | | | | | | | | | | |
|--|------------------------------|------------|-----------|---|--|-------------------------|--------------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PROPOSED TYPICAL SECTIONS PULASKI ROAD /CRAWFORD AVENUE AT 203RD STREET | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\11084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\P142599\Design\PI42599-shr-Design.dgn | | REVISED - | REVISED - | | 3778 | 3144-R | COOK | 79 | 13 | | | |
| | PLOT SCALE = 100.0000' / 1". | CHECKED - | REVISED - | | CONTRACT NO. 60P05 | | | | | | | |
| | PLOT DATE = 4/5/2017 | DATE - | REVISED - | | SCALE: NONE | SHEET NO. 4 OF 4 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | | | |

DRIVEWAY SCHEDULE

| STATION (FT) | OFFSET (LT / RT) | EXISTING DRIVEWAY TYPE | 44000200 DRIVEWAY PAVEMENT REMOVAL (SQ YD) | 40603335 HMA SURFACE COURSE, MIX "D", N50 (TON) | 35501308 HMA BASE COURSE, 6" (SQ YD) | 35501316 HMA BASE COURSE, 8" (SQ YD) | 42300400 PORTLAND CEMENT CONCRETE DRIVEWAY, 6" (SQ YD) |
|------------------------|------------------|------------------------|--|---|--------------------------------------|--------------------------------------|--|
| CRAWFORD AVENUE | | | | | | | |
| 51+38.2 | LT | PE (AGG) | * | 5.1 | 45.8 | | |
| 56+00.0 | LT | PE (HMA / CONC) | 89.6 | | | | 56.3 |
| 56+35.6 | LT | PE (HMA) | 55.7 | 5.1 | 45.8 | | |
| 56+90.8 | LT | PE (AGG) | * | 5.1 | 45.8 | | |
| 58+00.0 | LT | PE (HMA / CONC) | 76.9 | | | | 64.1 |
| 58+85.6 | LT | CE (HMA) | 86.1 | 6.6 | | 59.0 | |
| 61+23.2 | LT | PE (HMA) | 73.1 | 6.3 | 56.0 | | |
| 62+32.3 | LT | PE (HMA) | 71.0 | 7.0 | 62.9 | | |
| 63+63.1 | LT | PE (HMA) | 54.9 | 5.2 | 46.0 | | |
| 65+00.0 | LT | FE (GRASS) | | 6.6 | 59.0 | | |
| 68+23.0 | RT | CE (HMA) | ** | | | | |
| 69+20.4 | RT | CE (HMA) | ** | | | | |
| 69+43.8 | RT | PE (AGG) | * | 6.1 | 54.9 | | |
| 203RD STREET | | | | | | | |
| 19+00.0 | RT | CE (HMA) | 84.3 | 7.0 | | 62.3 | |
| TOTAL | | | 592 | 61 | 417 | 122 | 121 |

- * AGGREGATE DRIVEWAY REMOVAL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE EARTHWORK EXCAVATION PAY ITEM.
- ** WORK TO BE PERFORMED ON THIS DRIVEWAY ONLY INCLUDES HMA SURFACE REMOVAL, 2" AND RESURFACING WITH POLYMERIZED HMA SURFACE COURSE, MIX "D", N50, 2". DRIVEWAYS SHALL BE REPLACED IN KIND EXCEPT AS SHOWN ABOVE.

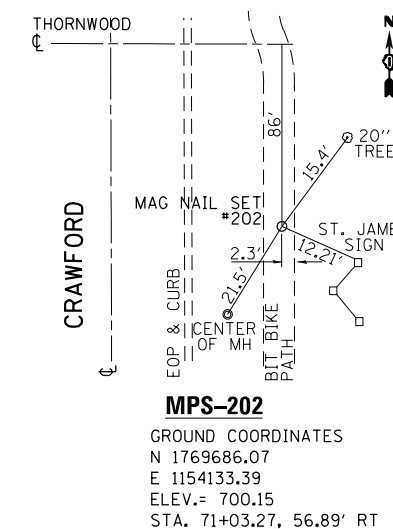
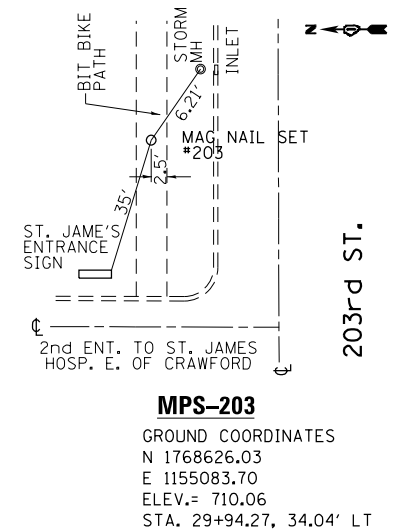
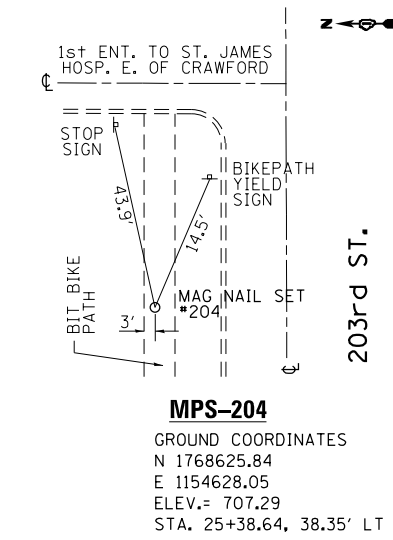
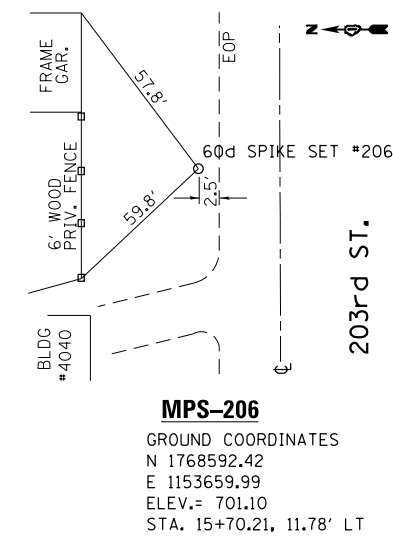
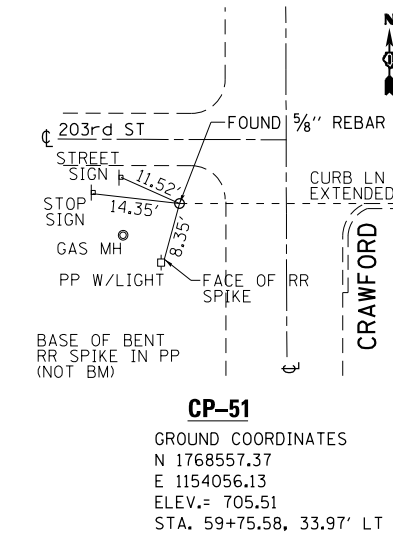
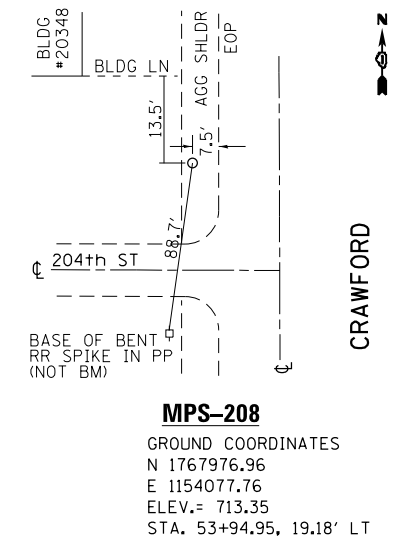
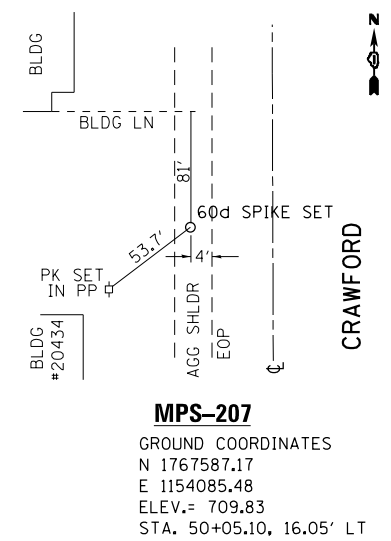
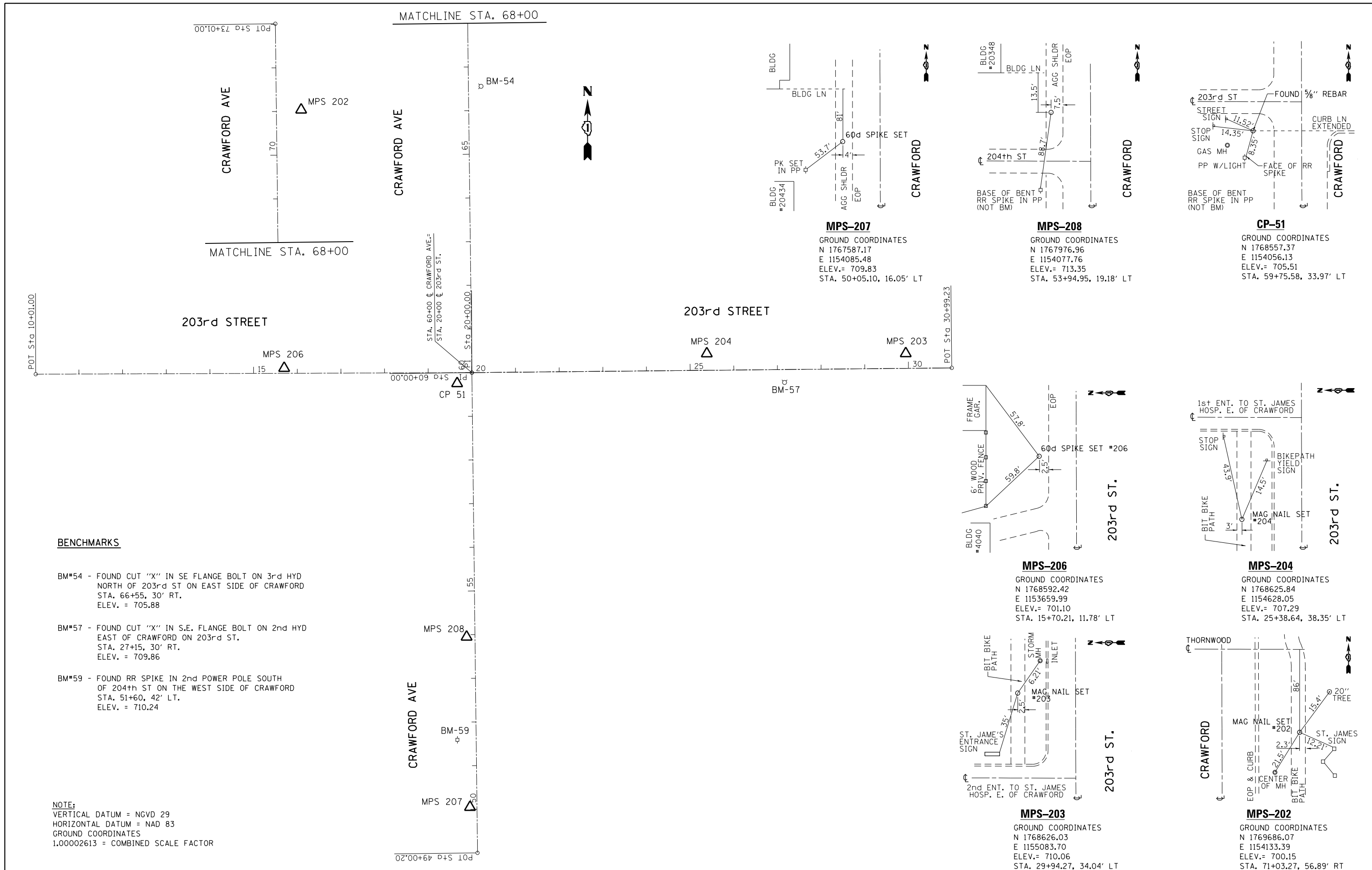
TREE REMOVAL SCHEDULE

| TREE REMOVAL (6 TO 15 UNITS DIAMETER) | | | |
|---------------------------------------|-------------|----|-------|
| STATION | OFFSET (FT) | | UNITS |
| 50+27.3 | 27.0 | RT | 10 |
| 51+00.4 | 30.9 | LT | 15 |
| 51+53.4 | 37.3 | LT | 8 |
| 51+29.4 | 26.3 | RT | 14 |
| 51+36.8 | 28.6 | RT | 12 |
| 51+46.4 | 28.0 | RT | 8 |
| 51+72.2 | 29.6 | RT | 12 |
| 51+76.3 | 29.2 | RT | 12 |
| 51+85.4 | 25.0 | RT | 6 |
| 51+90.6 | 23.1 | RT | 6 |
| 52+03.0 | 24.8 | RT | 7 |
| 52+01.0 | 27.6 | RT | 7 |
| 52+90.4 | 30.3 | RT | 6 |
| 53+51.7 | 31.2 | RT | 8 |
| 53+55.7 | 29.3 | RT | 6 |
| 53+61.2 | 29.9 | RT | 9 |
| 53+75.7 | 28.9 | RT | 6 |
| 54+04.6 | 31.5 | RT | 8 |
| 55+11.7 | 35.8 | RT | 8 |
| 55+65.1 | 32.6 | RT | 8 |
| 55+55.0 | 31.7 | RT | 6 |
| 56+20.4 | 44.3 | RT | 8 |
| 56+99.3 | 41.9 | RT | 6 |
| 56+98.9 | 47.6 | RT | 6 |
| TOTAL | | | 202 |

EARTHWORK SCHEDULE

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------------|-------------------------------|--|--------------------------------|---|---|--|---|
| LOCATION | EARTH EXCAVATION (CUBIC YARD) | EARTH EXCAVATION FOR FILL, ADJUSTED FOR SHRINKAGE (CUBIC YARD) | EMBANKMENT (FILL) (CUBIC YARD) | EARTHWORK BALANCE: WASTE (+) OR SHORTAGE (-) (CUBIC YARD) | TOPSOIL EXCAVATION AND PLACEMENT, 6" (CUBIC YARD) | TOPSOIL FURNISH AND PLACE, 4" (CUBIC YARD) | TOPSOIL BALANCE: SURPLUS (+) OR SHORTAGE (-) (CUBIC YARD) |
| PULASKI RD. | 2209 | 1878 | 440 | 1438 | 1148 | 970 | 178 |
| 203RD ST. | 278 | 236 | 6 | 230 | 145 | 122 | 23 |
| TOTAL | 2487 | 2114 | 446 | 1668 | 1293 | 1092 | 201 |

- COLUMNS 1, 2, & 4 LOCATION AND QUANTITIES FROM CROSS SECTIONS:
CUT = EARTH EXCAVATION, FILL = EMBANKMENT
- COLUMN 3 QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR SHRINKAGE FACTOR OF 15%.
- COLUMN 5 EARTHWORK REQUIRED:
(-) = QUANTITY OF FILL OR EMBANKMENT NEEDED (FURNISHED OR BORROW EXCAVATION)
(+) = QUANTITY TO BE WASTED.

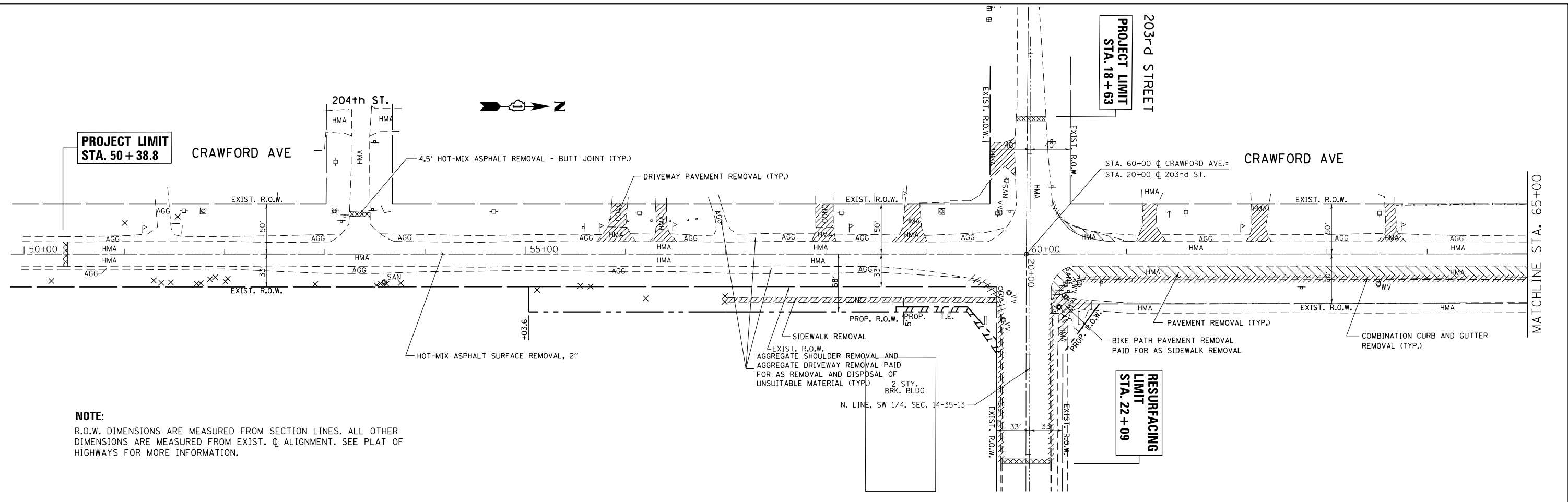


BENCHMARKS

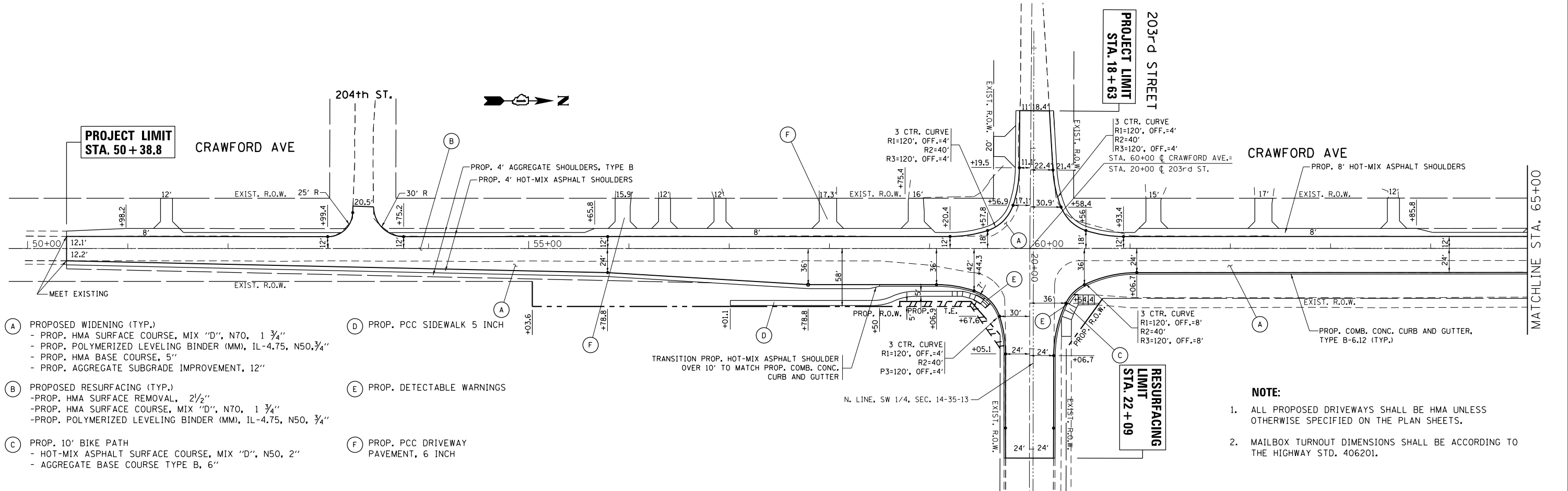
- BM*54 - FOUND CUT "X" IN SE FLANGE BOLT ON 3rd HYD NORTH OF 203rd ST ON EAST SIDE OF CRAWFORD STA. 66+55, 30' RT. ELEV. = 705.88
- BM*57 - FOUND CUT "X" IN S.E. FLANGE BOLT ON 2nd HYD EAST OF CRAWFORD ON 203rd ST. STA. 27+15, 30' RT. ELEV. = 709.86
- BM*59 - FOUND RR SPIKE IN 2nd POWER POLE SOUTH OF 204th ST ON THE WEST SIDE OF CRAWFORD STA. 51+60, 42' LT. ELEV. = 710.24

NOTE:
VERTICAL DATUM = NGVD 29
HORIZONTAL DATUM = NAD 83
GROUND COORDINATES
1.00002613 = COMBINED SCALE FACTOR

| | | | | | | | | | | | | | |
|--|-----------------------|------------|-----------|---|--|-------------------------|------|-------------|---------|--------|--------------|-----------|----|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ALIGNMENT, TIES & BENCHMARKS CRAWFORD AVE. AT 203rd ST. | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P142599\Design\PI42599-shd-Design.dgn | | CHECKED - | REVISED - | | SCALE: 1"=100' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | 3778 | 3144-R | COOK | 79 | 15 |
| | | DATE - | REVISED - | | CONTRACT NO. 60P05 | | | | | | | | |
| | | | | | ILLINOIS FED. AID PROJECT | | | | | | | | |



NOTE:
 R.O.W. DIMENSIONS ARE MEASURED FROM SECTION LINES. ALL OTHER DIMENSIONS ARE MEASURED FROM EXIST. ϕ ALIGNMENT. SEE PLAT OF HIGHWAYS FOR MORE INFORMATION.



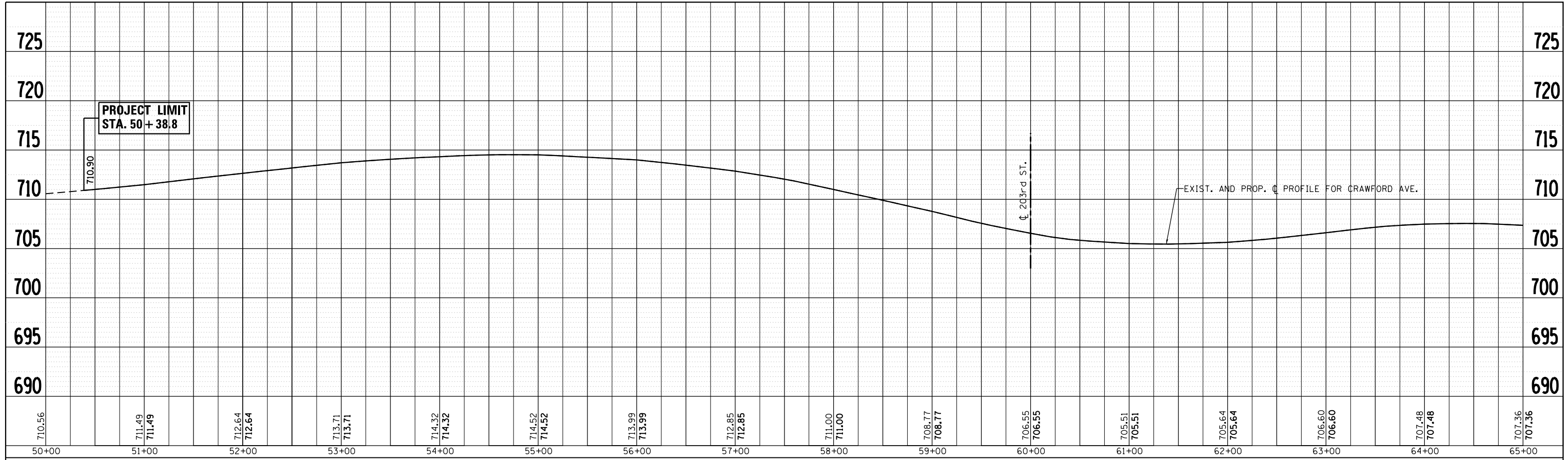
- (A) PROPOSED WIDENING (TYP.)
 - PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 - PROP. HMA BASE COURSE, 5"
 - PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (B) PROPOSED RESURFACING (TYP.)
 - PROP. HMA SURFACE REMOVAL, 2 1/2"
 - PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
 - PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- (C) PROP. 10' BIKE PATH
 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
 - AGGREGATE BASE COURSE TYPE B, 6"
- (D) PROP. PCC SIDEWALK 5 INCH
- (E) PROP. DETECTABLE WARNINGS
- (F) PROP. PCC DRIVEWAY PAVEMENT, 6 INCH

NOTE:

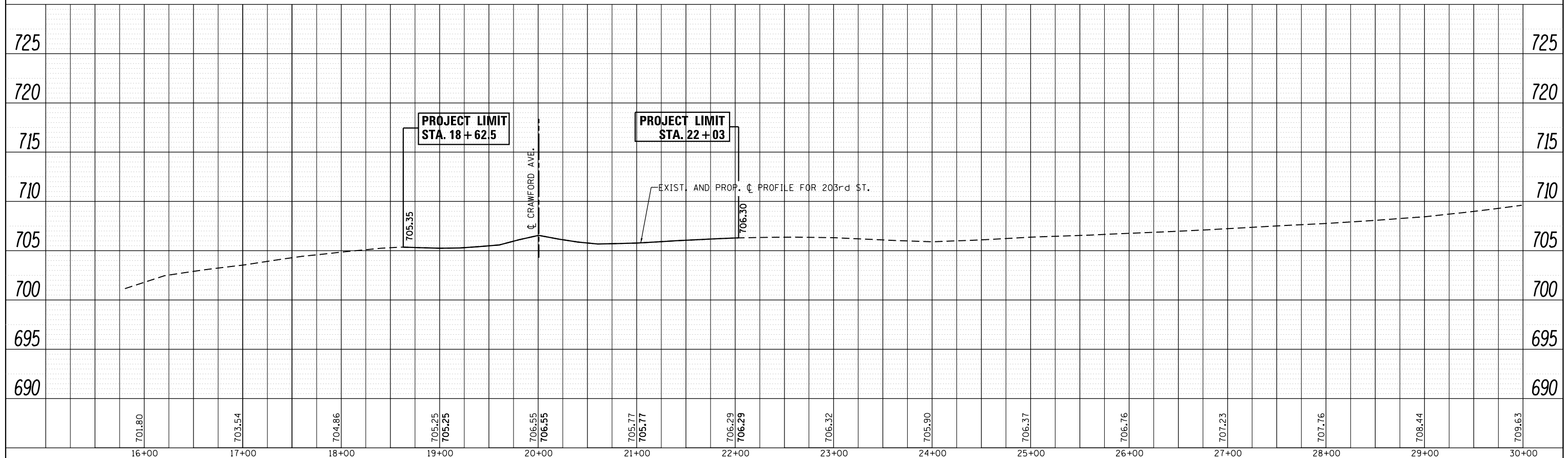
- ALL PROPOSED DRIVEWAYS SHALL BE HMA UNLESS OTHERWISE SPECIFIED ON THE PLAN SHEETS.
- MAILBOX TURNOUT DIMENSIONS SHALL BE ACCORDING TO THE HIGHWAY STD. 406201.

| | | | | | | | | | | | | |
|--|-----------------------|------------|-----------|---|--|-------------------------|--------------------------|--------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ROADWAY PLAN CRAWFORD AVE. AT 203rd ST. | | | F.A.U. R.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\1\084EBIDINTEG\11\inois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P142599\Design\PI42599-shr-Design.dgn | | REVISOR - | REVISOR - | | SCALE: 1"=50' | SHEET NO. 1 OF 3 SHEETS | STA. 50+00 TO STA. 65+00 | 3778 | 3144-R | COOK | 79 | 16 |
| | | CHECKED - | REVISOR - | | | | | CONTRACT NO. 60P05 | | | | |
| | | DATE - | REVISOR - | | ILLINOIS FED. AID PROJECT | | | | | | | |

| | | | |
|------|-----------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | ALIGNED | | |
| | CHECKED | | |
| | FILE NAME | | |
| | NO. | | |



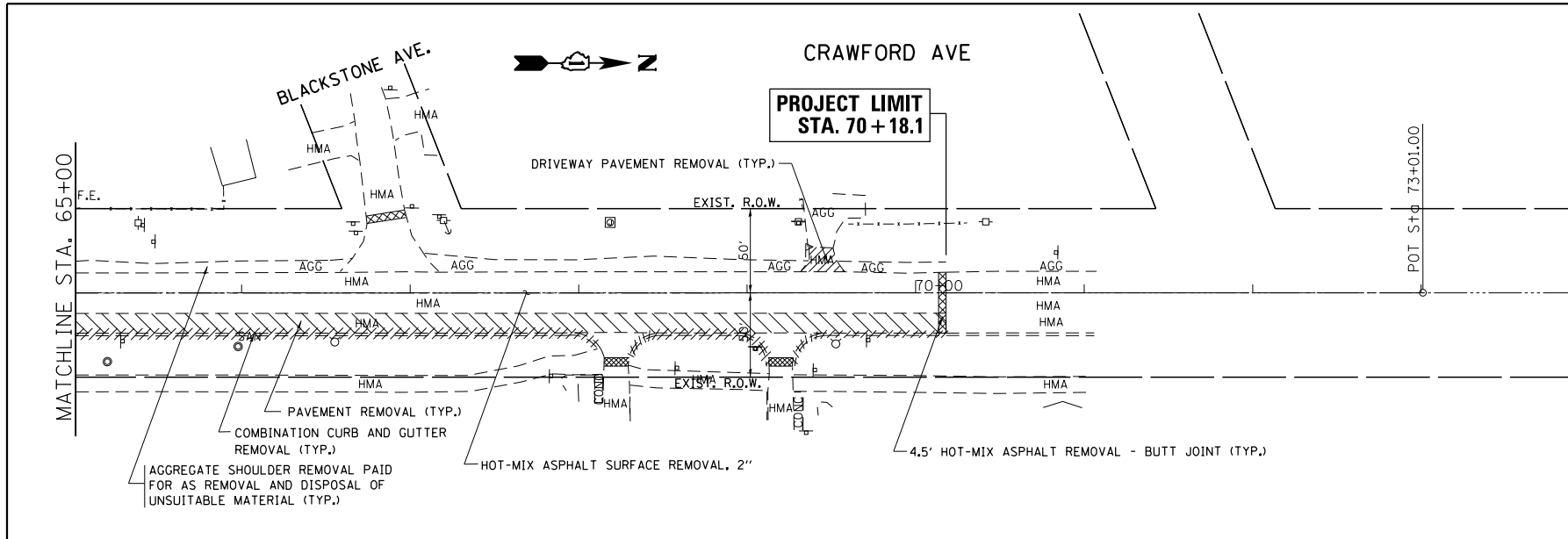
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| PROFILE | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | GRADES CHECKED | | |
| | STRUCTURE NOTATIONS CHECKED | | |
| | NO. | | |



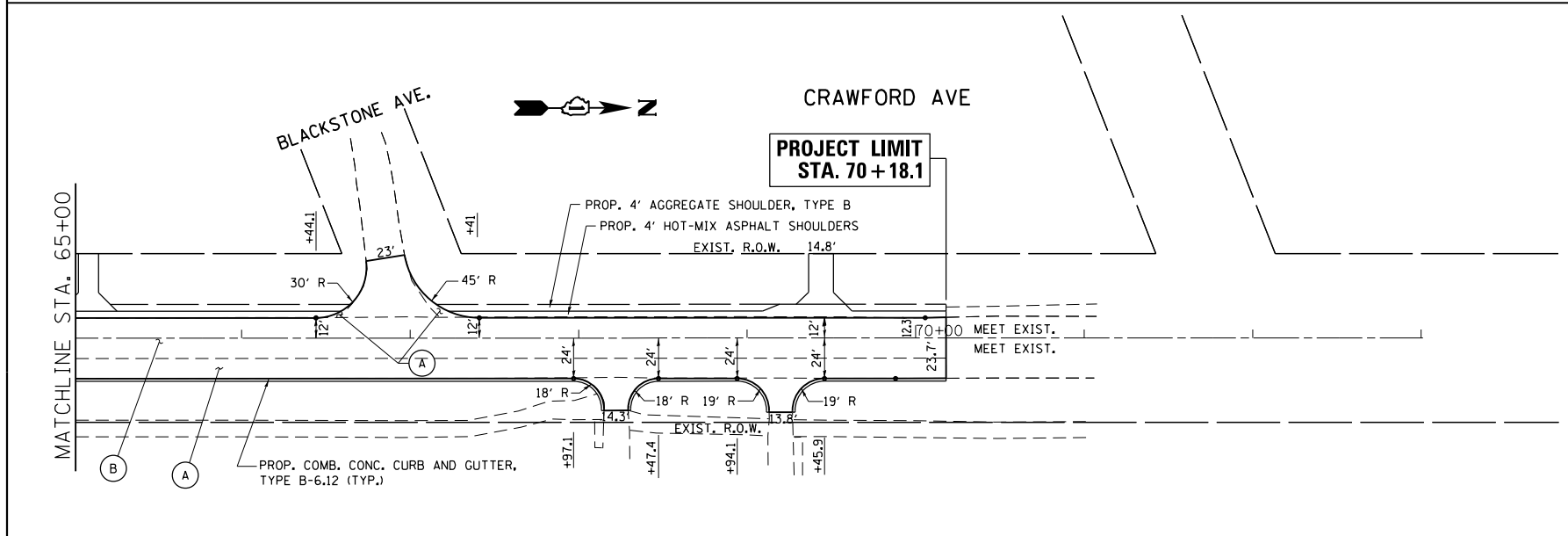
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|--|-----------------------|------------|-----------|---|---|--------|------|--------------------------------------|---------|--------|--------------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ROADWAY PROFILE CRAWFORD AVE. AT 203rd ST. | | | F.A.U. R.T.E. = | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| p:\1\084EBIDINTEG.allinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P142599\Design\PI42599-sht-Design.dgn | | CHECKED - | REVISED - | | 3778 | 3144-R | COOK | 79 | 17 | | | |
| PLOT SCALE = 100.0000' / in. | | DATE - | REVISED - | | SCALE: 1"=50' | | | SHEET NO. 2 OF 3 SHEETS STA. TO STA. | | | CONTRACT NO. 60P05 | |
| PLOT DATE = 4/5/2017 | | | | | ILLINOIS FED. AID PROJECT | | | | | | | |

| | | |
|------|-----------------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | BY | |

| | | |
|---------|-----------------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | BY | |

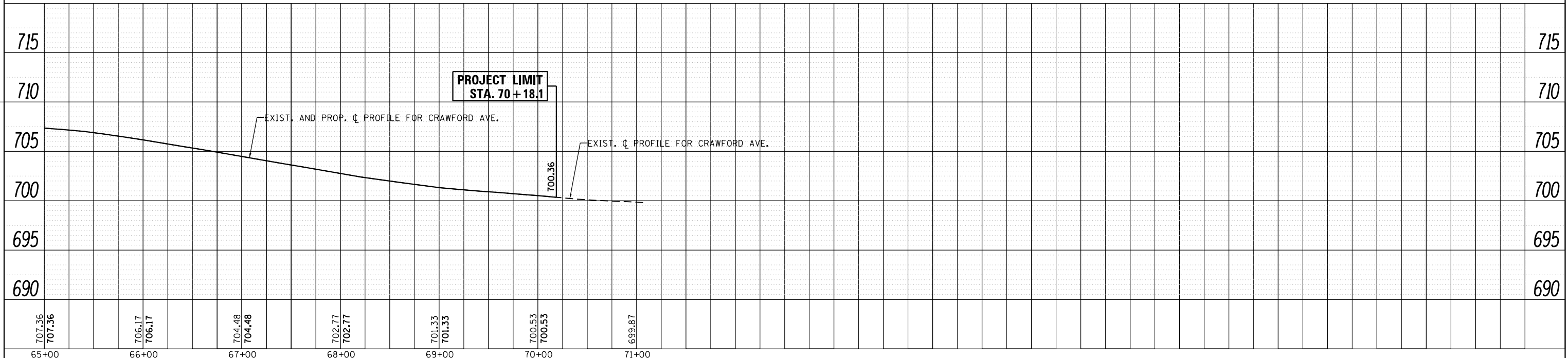


NOTE:
R.O.W. DIMENSIONS ARE MEASURED FROM SECTION LINES. ALL OTHER DIMENSIONS ARE MEASURED FROM EXIST. \dot{C} ALIGNMENT. SEE PLAT OF HIGHWAYS FOR MORE INFORMATION.



- (A) PROPOSED WIDENING (TYP.)
- PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- PROP. HMA BASE COURSE, 5"
- PROP. AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (B) PROPOSED RESURFACING (TYP.)
-PROP. HMA SURFACE REMOVAL, 2 1/2"
-PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
-PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- (C) PROP. 10' BIKE PATH
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- AGGREGATE BASE COURSE TYPE B, 6"
- (D) PROP. PCC SIDEWALK 5 INCH
- (E) PROP. DETECTABLE WARNINGS
- (F) PROP. PCC DRIVEWAY PAVEMENT, 6 INCH

- NOTE:**
- ALL PROPOSED DRIVEWAYS SHALL BE HMA UNLESS OTHERWISE SPECIFIED ON THE PLAN SHEETS.
 - MAILBOX TURNOUT DIMENSIONS SHALL BE ACCORDING TO THE HIGHWAY STD. 406201.



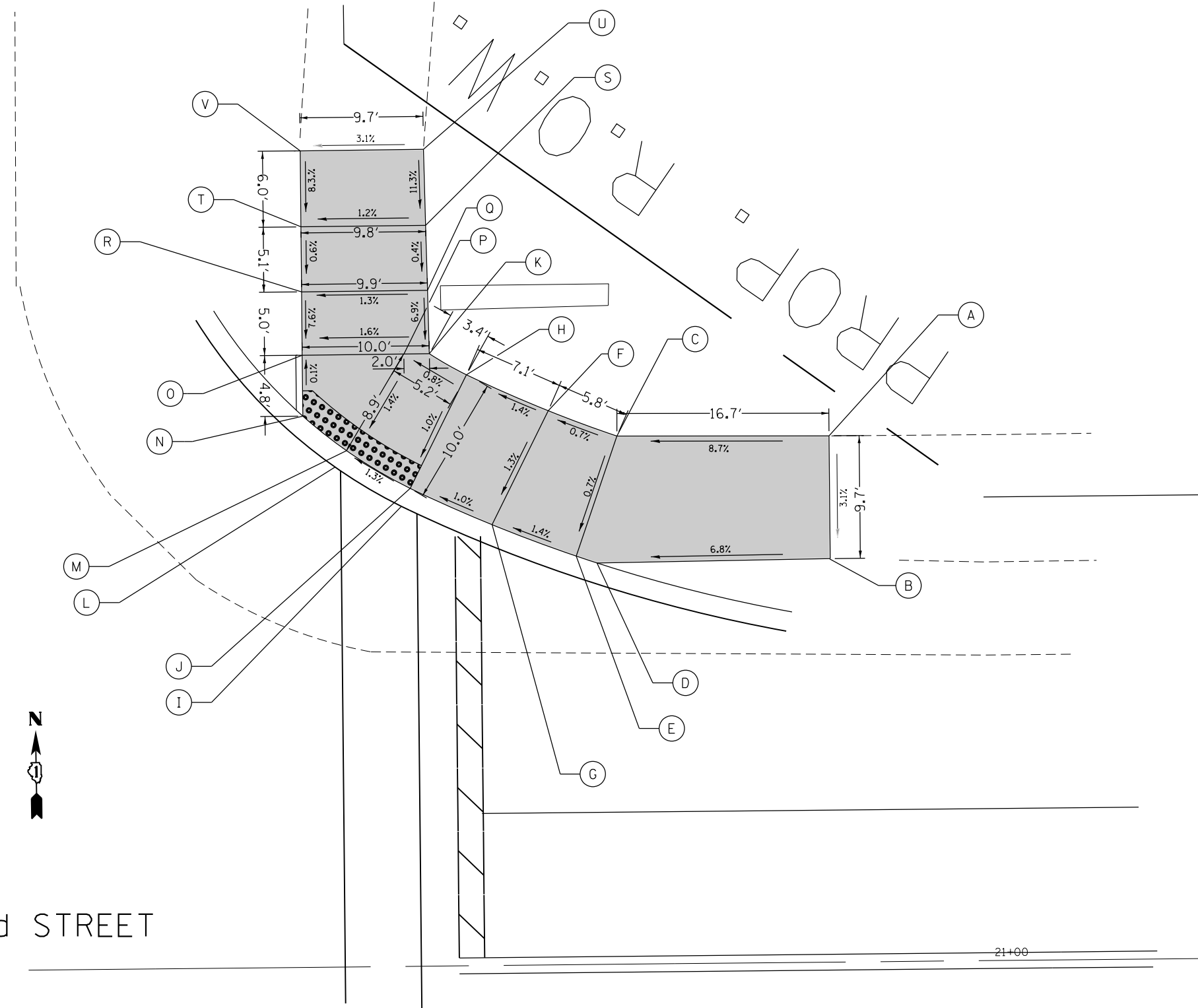
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| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ROADWAY PLAN & PROFILE CRAWFORD AVE. AT 203rd ST. | F.A.U. RTÉ. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pwt:\IL084EBIDINTEG.allinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\P142599\Design\142599-sht-Design.dgn | | DRAWN | REVISED - | | | 3778 | 3144-R | COOK | 79 | 18 |
| PLOT SCALE = 100.0000' / in. | CHECKED - | REVISOR | REVISED - | | | CONTRACT NO. 60P05 | | | | |
| PLOT DATE = 4/5/2017 | DATE - | | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | |

SCALE: 1"=50' SHEET NO. 3 OF 3 SHEETS STA. 65+00 TO STA. 72+00

| | STATION | OFFSET | ELEVATION |
|---|----------|------------|-----------|
| A | 20+87.58 | 41.54' LT | (706.53) |
| B | 20+87.58 | 31.85' LT | (706.24) |
| C | 20+70.84 | 41.69' LT | 705.07 |
| D | 20+69.18 | 31.69' LT | 705.1 |
| E | 20+67.53 | 32.25' LT | 705.0 |
| F | 20+65.45 | 43.74' LT | 705.03 |
| G | 20+60.92 | 34.79' LT | 704.9 |
| H | 20+59.01 | 46.64' LT | 704.93 |
| I | 20+53.79 | 36.31' LT | 704.84 |
| J | 20+54.50 | 37.72' LT | 704.83 |
| K | 60+48.21 | 56.21' RT | 704.90 |
| L | 20+48.58 | 39.46' LT | 704.77 |
| M | 20+49.50 | 40.74' LT | 704.76 |
| N | 60+43.41 | 46.17' -RT | 704.74 |
| O | 60+48.21 | 46.18' -RT | 704.74 |
| P | 60+48.21 | 54.20' RT | 704.88 |
| Q | 60+53.21 | 56.13' RT | 705.25 |
| R | 60+53.21 | 46.19' RT | 704.12 |
| S | 60+58.35 | 56.04' RT | 705.95 |
| T | 60+58.35 | 46.20' -RT | 705.03 |
| U | 60+64.35 | 55.94' RT | (705.95) |
| V | 60+64.35 | 46.21' RT | (705.65) |

CRAWFORD AVE

203rd STREET



| LEGEND | |
|--------------------|---|
| xx.xx' | EXISTING LENGTH |
| == | PROPOSED SIDE CURB |
| () | EXISTING ELEVATION/SLOPE |
| [Shaded Box] | PROPOSED SIDEWALK |
| [Grid Pattern Box] | DETECTABLE WARNINGS |
| [Hatched Box] | SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD |

| | | | |
|---|-----------------------------|------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - |
| p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\P142599\Design\P142599-sht-details.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 10.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 4/5/2017 | DATE - | REVISED - |

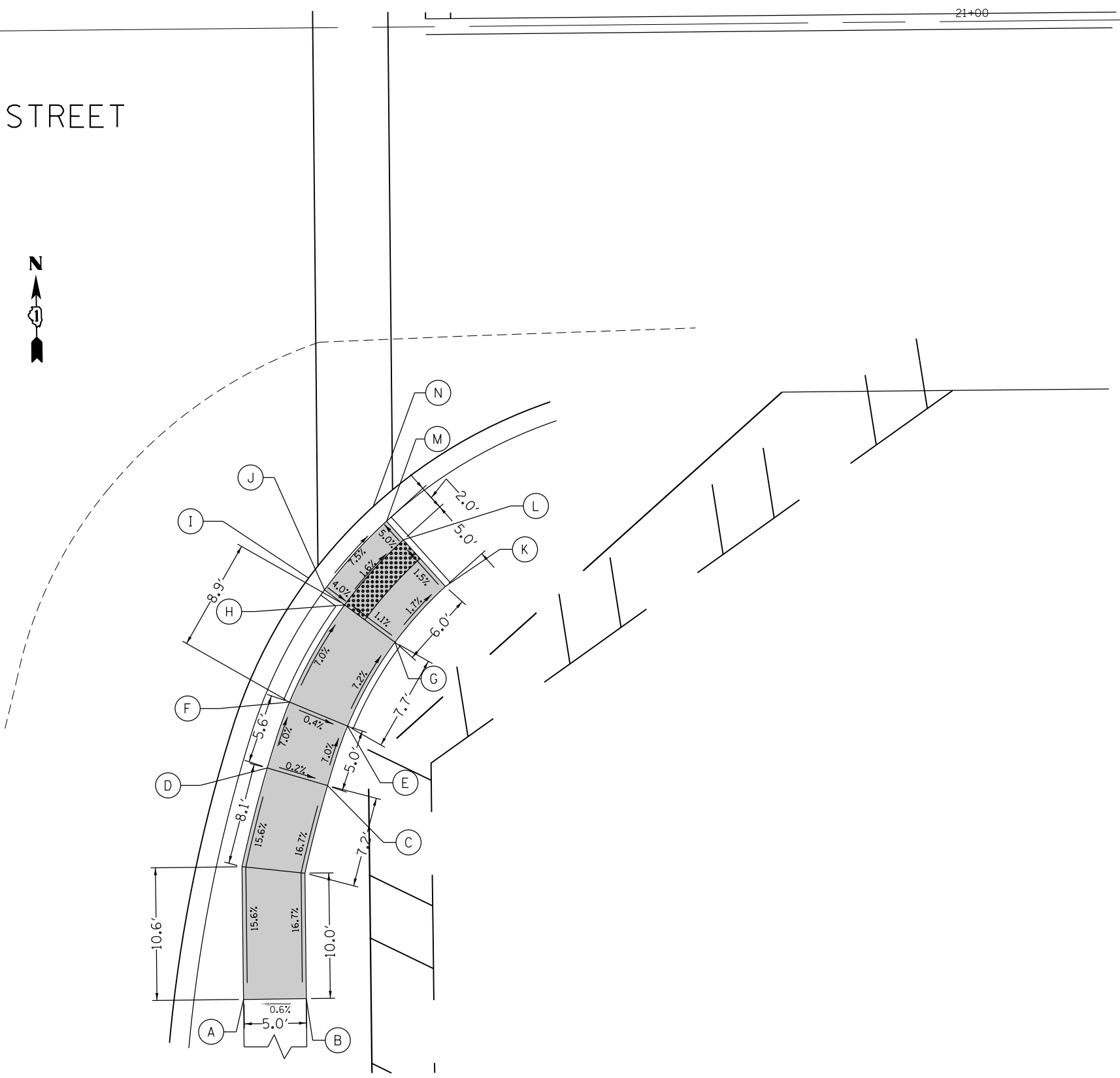
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
PULASKI RD AT 203RD ST, NW CORNER**

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 3778 | 3144-R | COOK | 79 | 19 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | STATION | OFFSET | ELEVATION |
|---|----------|-----------|-----------|
| A | 59+22.55 | 42.58' RT | (708.73) |
| B | 59+22.55 | 47.58' RT | (708.76) |
| C | 59+39.51 | 49.47' RT | 705.89 |
| D | 59+40.97 | 44.69' RT | 705.90 |
| E | 59+44.24 | 51.12' RT | 705.85 |
| F | 59+46.21 | 46.53' RT | 705.87 |
| G | 59+50.86 | 54.99' RT | 705.3 |
| H | 20+51.09 | 46.01' RT | 705.24 |
| I | 20+48.24 | 43.85' RT | 705.32 |
| J | 20+49.50 | 44.81' RT | 705.33 |
| K | 59+55.27 | 59.05' RT | 705.20 |
| L | 20+55.83 | 40.87' RT | 705.13 |
| M | 20+53.45 | 38.19' RT | 705.03 |
| N | 59+61.71 | 53.38' RT | 705.03 |



LEGEND

| | | | |
|--------|--------------------------|--|---|
| xx.xx' | EXISTING LENGTH | | PROPOSED SIDEWALK |
| ==== | PROPOSED SIDE CURB | | DETECTABLE WARNINGS |
| () | EXISTING ELEVATION/SLOPE | | SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD |

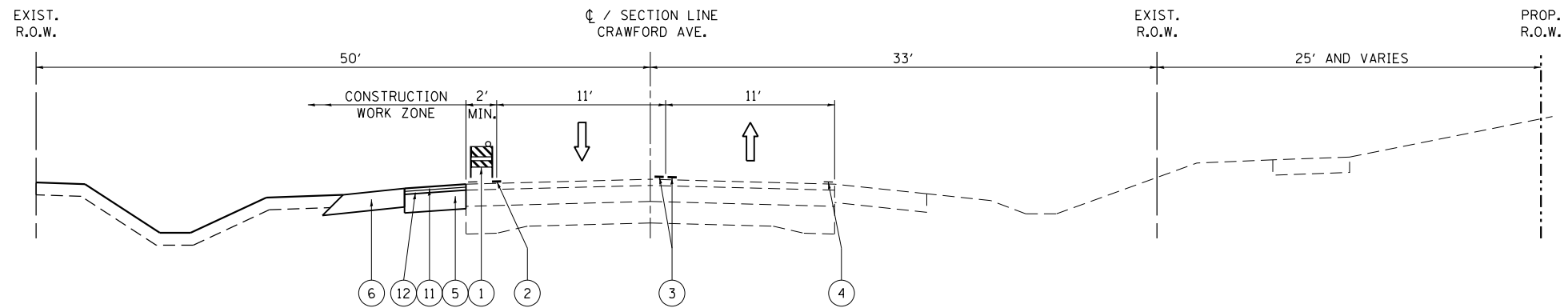
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| Default | PLOT SCALE = 10.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 4/5/2017 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
PULASKI RD AT 203RD ST, SW CORNER**

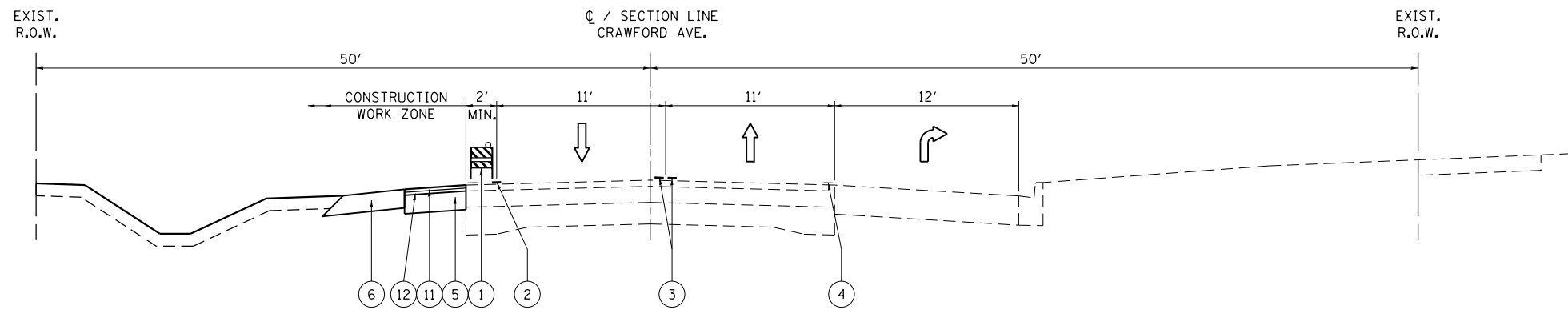
SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 20 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



**STAGE I - TYPICAL SECTION
CRAWFORD AVENUE AT 203RD ST**

STA. 50+38.80 TO STA. 60+00



**STAGE I - TYPICAL SECTION
CRAWFORD AVENUE AT 203RD ST**

STA. 60+00 TO STA. 70+18.10

LEGEND

- ① BARRICADES TYPE II OR DRUMS WITH STEADY BURN BI-DIRECTIONAL LIGHT
- ② PAVEMENT MARKING TAPE TYPE IV, 4" WHITE EDGE LINE
- ③ PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE YELLOW LINE, 11" C-C
- ④ EXISTING PAVEMENT MARKINGS (TO REMAIN)
- ⑤ PROPOSED HOT-MIX ASPHALT SHOULDERS, 5"
- ⑥ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
- ⑦ PROPOSED HOT-MIX ASPHALT BASE COURSE, 5"
- ⑧ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑨ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑩ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ⑪ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- ⑫ PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"

GENERAL NOTES

ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A SUGGESTED MAINTENANCE OF TRAFFIC AND IF NECESSARY SHALL BE REVISED TO MAINTAIN SAFE TRAFFIC FLOW DURING EXECUTION OF THIS CONTRACT.

THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL PROVIDE TEMPORARY INFORMATION SIGNING. SIGNS SHALL BE ERECTED ONE WEEK IN ADVANCE OF THE START OF CONSTRUCTION IN ACCORDANCE WITH DISTRICT DETAIL TC-22.

THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION.

THE FLASHING BEACONS ALONG PULASKI ROAD/CRAWFORD AVENUE WILL BE MAINTAINED THROUGHOUT CONSTRUCTION.

SUGGESTED SEQUENCE OF OPERATION

PRE-STAGE

PRIOR TO THE BEGINNING OF STAGE I CONTRACTOR SHALL UTILIZE APPLICABLE HIGHWAY STANDARDS FOR THE TRAFFIC CONTROL AND PROTECTION FOR DAY TIME LANE CLOSURES TO CONSTRUCT STORM SEWER LATERALS AND PERFORM ANY UTILITY ADJUSTMENTS NECESSARY TO MAINTAIN PROPER DRAINAGE DURING THE TIME OF CONSTRUCTION.

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY PATCHING OPERATIONS OR AS ADVISED BY THE ENGINEER SHALL BE REPLACED AND PAID FOR IN KIND.

STAGE I

ONE LANE (11 FEET) OF TRAFFIC IN EACH DIRECTION SHALL BE KEPT OPEN TO THROUGH TRAFFIC AT ALL TIMES EXCEPT AS NOTED IN PLANS.

EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE PROPOSED LANE CONFIGURATION SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL. PROPOSED TEMPORARY PAVEMENT MARKINGS SHALL BE ACCORDING TO THE SUGGESTED MAINTENANCE OF TRAFFIC - STAGE I OR AS DIRECTED BY THE ENGINEER AND SHALL UTILIZE TEMPORARY PAVEMENT MARKING PAINT AND/OR TAPE.

REMOVE EXISTING PAVEMENT, DRIVEWAY PAVEMENT, AGGREGATE SHOULDERS, CURB & GUTTER, STORM SEWERS, DRAINAGE STRUCTURES AND ANY ITEMS AS SHOWN FOR REMOVAL ON THE ROADWAY AND DRAINAGE PLAN SHEETS.

IMMEDIATELY AFTER THE REMOVAL, ACCESS TO THE PROPERTIES SHALL BE MAINTAINED USING APPROPRIATE PAY ITEMS FOR TEMPORARY ACCESS.

CONSTRUCT PROPOSED CULVERTS AND STORM SEWER ON BOTH SIDES OF CRAWFORD AVE AND 203RD ST AS SHOWN ON DRAINAGE PLAN SHEETS. CONTRACTOR SHALL TEMPORARILY REGRADE THE AREA AROUND THE PROPOSED DRAINAGE STRUCTURES ON THE NORTH-EAST AND SOUTH-EAST CORNER OF THE INTERSECTION IN ORDER TO MAINTAIN A POSITIVE FLOW. IF NECESSARY, CONTRACTOR SHALL ALSO PROVIDE CURB CUTS IN EXISTING CURB AND GUTTER TO REDIRECT THE WATER OFF THE PAVEMENT AND INTO A PROPOSED DRAINAGE STRUCTURES FOR THE TIME UNTIL THE WIDENING IS COMPLETE ON BOTH SIDES OF THE INTERSECTION.

CONSTRUCT PAVEMENT WIDENING, HMA SHOULDERS, AGGREGATE SHOULDERS, TRAFFIC SIGNALS AND DRIVEWAYS AS SHOWN ON PLAN AND PROFILE SHEETS.

STAGE II

ONE LANE (11 FEET) OF TRAFFIC IN EACH DIRECTION SHALL BE KEPT OPEN TO THROUGH TRAFFIC AT ALL TIMES EXCEPT AS NOTED IN PLANS.

EXISTING PAVEMENT MARKINGS CONFLICTING WITH THE PROPOSED LANE CONFIGURATION SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL. TEMPORARY PAVEMENT MARKINGS CONSTRUCTED DURING STAGE I THAT ARE CONFLICTING WITH THE PROPOSED LANE CONFIGURATION SHALL BE REMOVED AND PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.

REMOVE EXISTING PAVEMENT, AGGREGATE SHOULDERS, CURB & GUTTER, ANY REMAINING STORM SEWERS, DRAINAGE STRUCTURES AND ANY ITEMS AS SHOWN FOR REMOVAL ON THE ROADWAY AND DRAINAGE PLAN SHEETS.

ACCESS TO THE SAINT JAMES HOSPITAL IS OF THE UTMOST IMPORTANCE AND IT SHALL BE MAINTAINED AT ALL TIMES.

CONSTRUCT PAVEMENT WIDENING, CURB AND GUTTER, HMA SHOULDERS, AGGREGATE SHOULDERS, TRAFFIC SIGNALS AS SHOWN ON PLAN AND PROFILE SHEETS.

POST STAGE

WORK DURING THIS STAGE SHALL BE COMPLETED UTILIZING APPLICABLE HIGHWAY STANDARDS AND SPECIAL PROVISIONS.

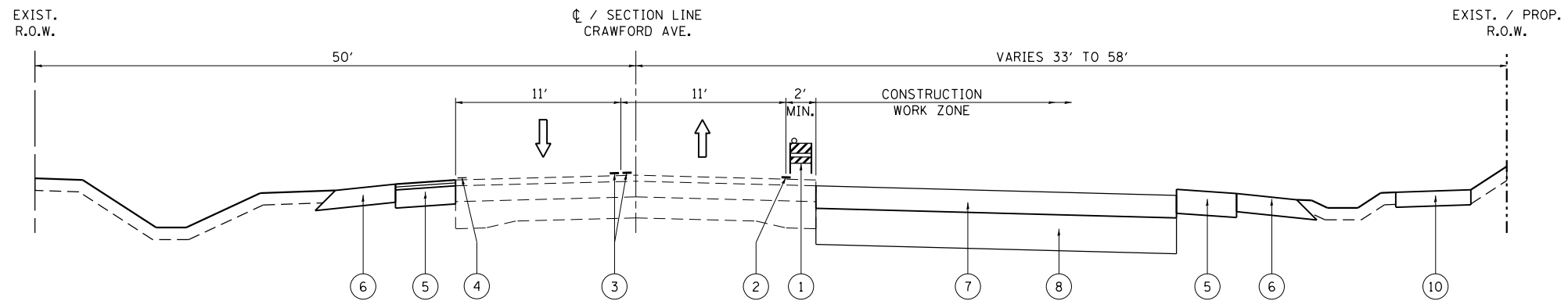
THE EXISTING PAVEMENT WILL BE MILLED AFTER STAGE II TO MATCH THE ELEVATION OF THE WIDENING CONSTRUCTED DURING STAGE I AND STAGE II.

ONCE THE SURFACE HAS BEEN MILLED, SURFACE COURSE AND POLYMERIZED LEVELING BINDER WILL BE CONSTRUCTED.

THE PROPOSED THERMOPLASTIC PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKINGS WILL BE INSTALLED AFTER PAVING HAS BEEN COMPLETED.

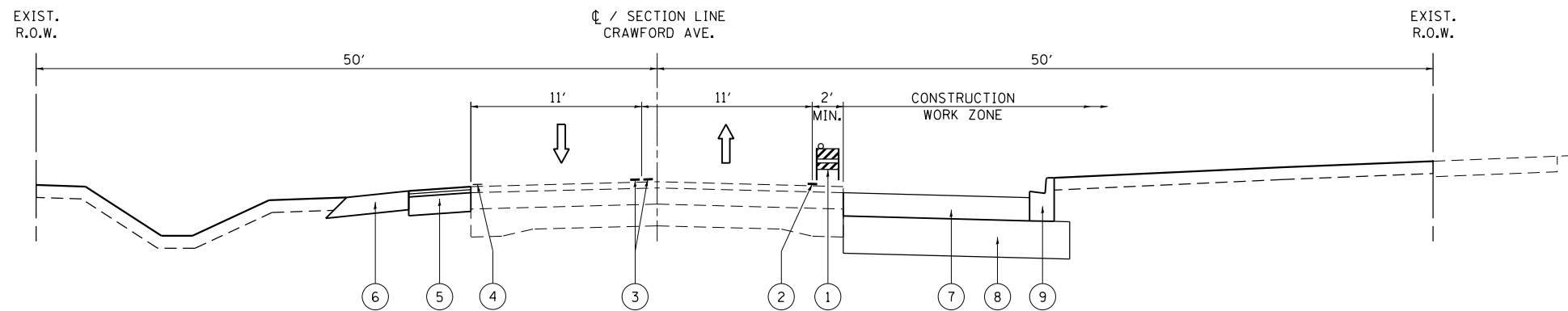
COMPLETE ALL LANDSCAPING WORK AND ACTIVATE PROPOSED TRAFFIC SIGNALS.

| | | | | | | | | | | |
|--|-----------------------|------------|-----------|---|--|---------------------------|-------------------------|--------|--------------|---------------------------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MOT TYPICAL SECTIONS & GENERAL NOTES - STAGE I CRAWFORD AVE. AT 203RD ST. | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
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| | | DATE - | REVISED - | | | CONTRACT NO. 60P05 | | | | |
| | | | | | | SCALE: NONE | SHEET NO. 1 OF 4 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT |



**STAGE II – TYPICAL SECTION
CRAWFORD AVENUE AT 203RD ST**

STA. 50+38.80 TO STA. 60+00



**STAGE II – TYPICAL SECTION
CRAWFORD AVENUE AT 203RD ST**

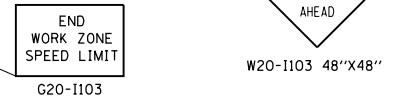
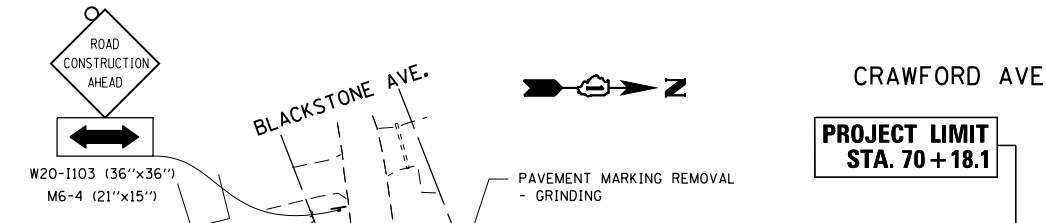
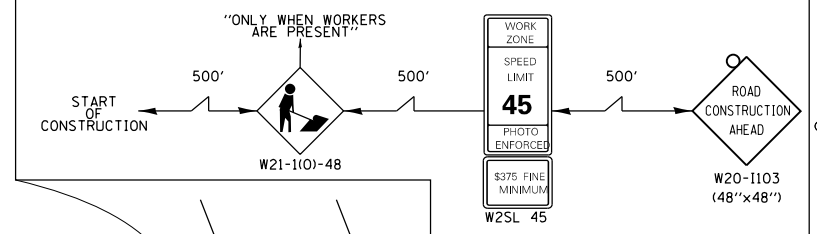
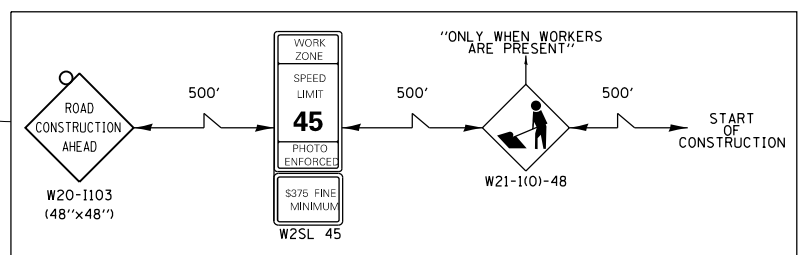
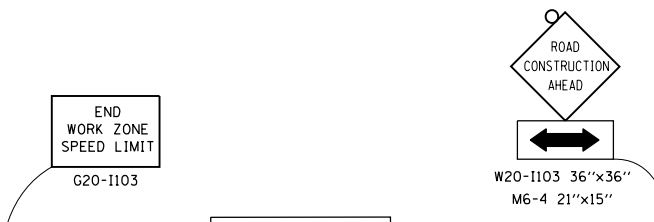
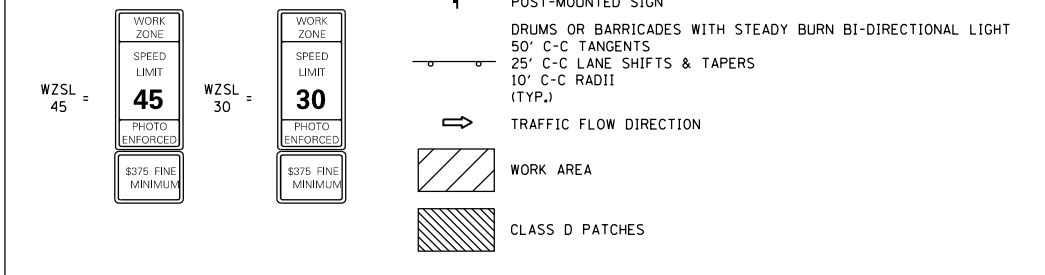
STA. 60+00 TO STA. 70+18.10

LEGEND

- ① BARRICADES TYPE II OR DRUMS WITH STEADY BURN BI-DIRECTIONAL LIGHT
- ② PAVEMENT MARKING TAPE TYPE IV, 4" WHITE EDGE LINE
- ③ PAVEMENT MARKING TAPE TYPE IV, 4" DOUBLE YELLOW LINE, 11" C-C
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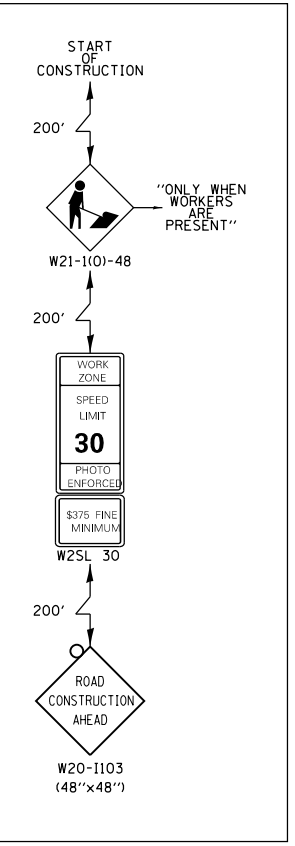
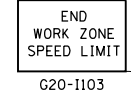
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| | | | | | | | 3778 | 3144-R | COOK | 79 | 22 |
| | | | | | | | CONTRACT NO. 60P05 | | | ILLINOIS FED. AID PROJECT | |
| | | | | | | | SCALE: NONE | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA. | |

LEGEND

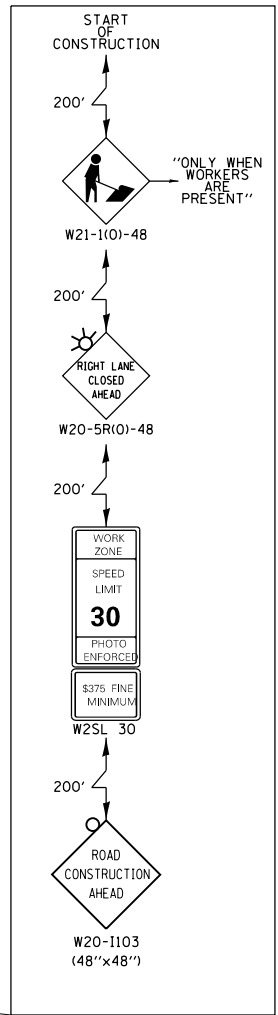
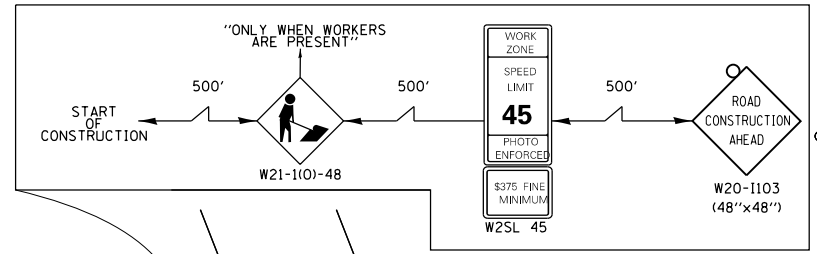
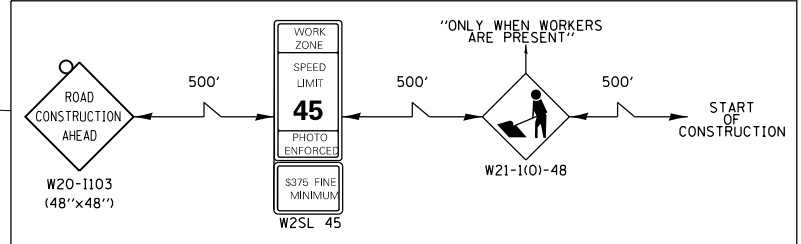
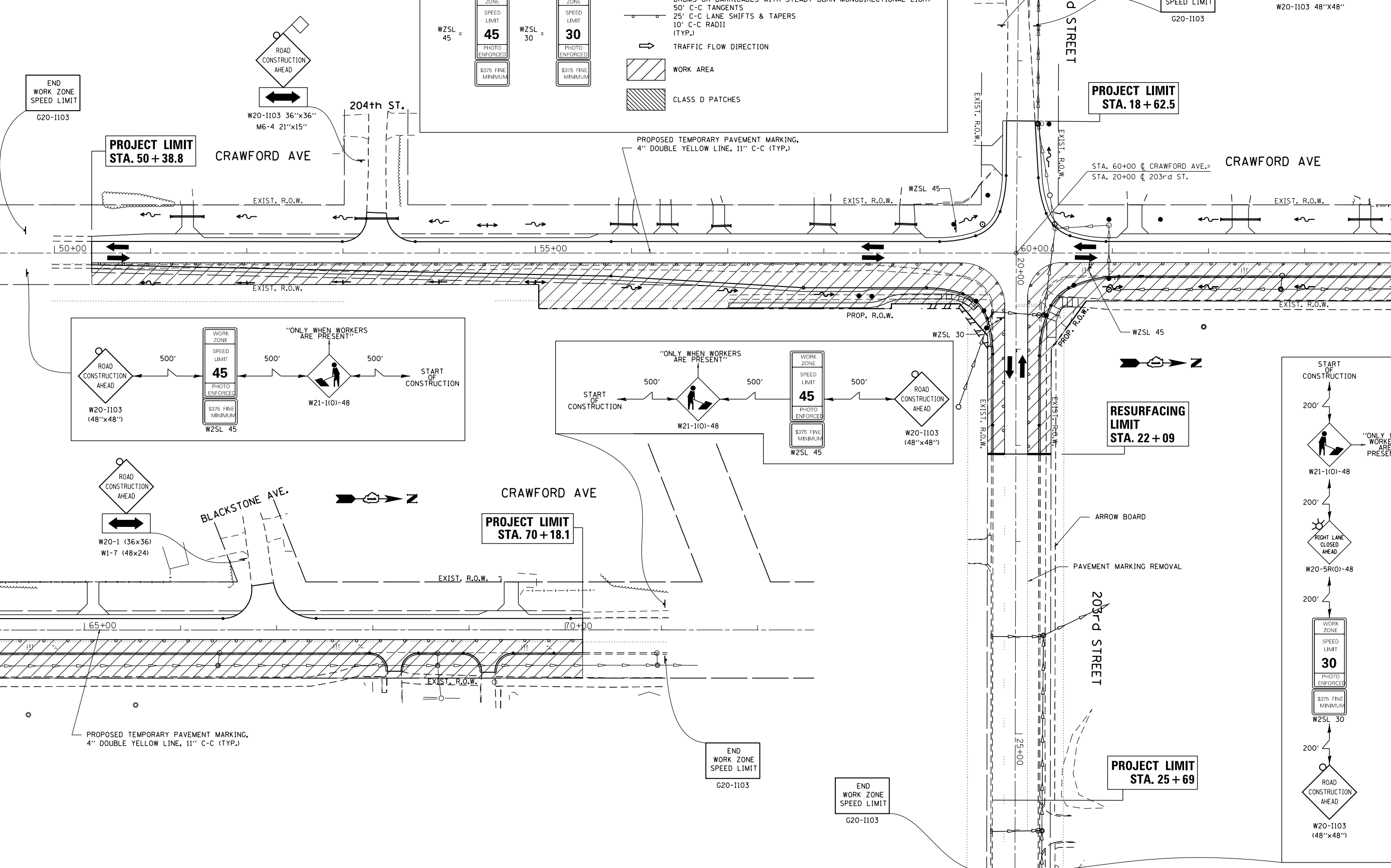
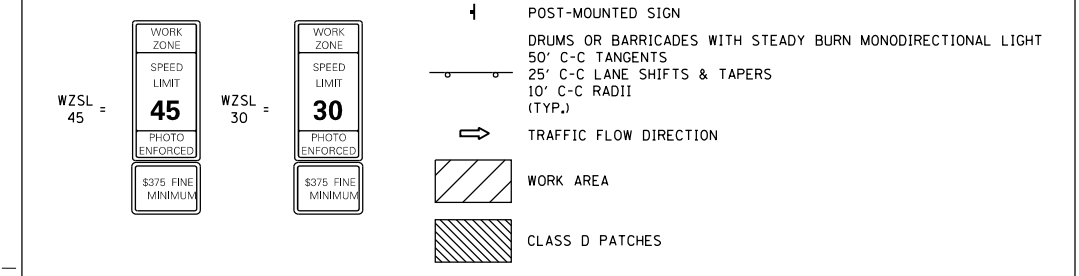


MATCHLINE STA. 64+00

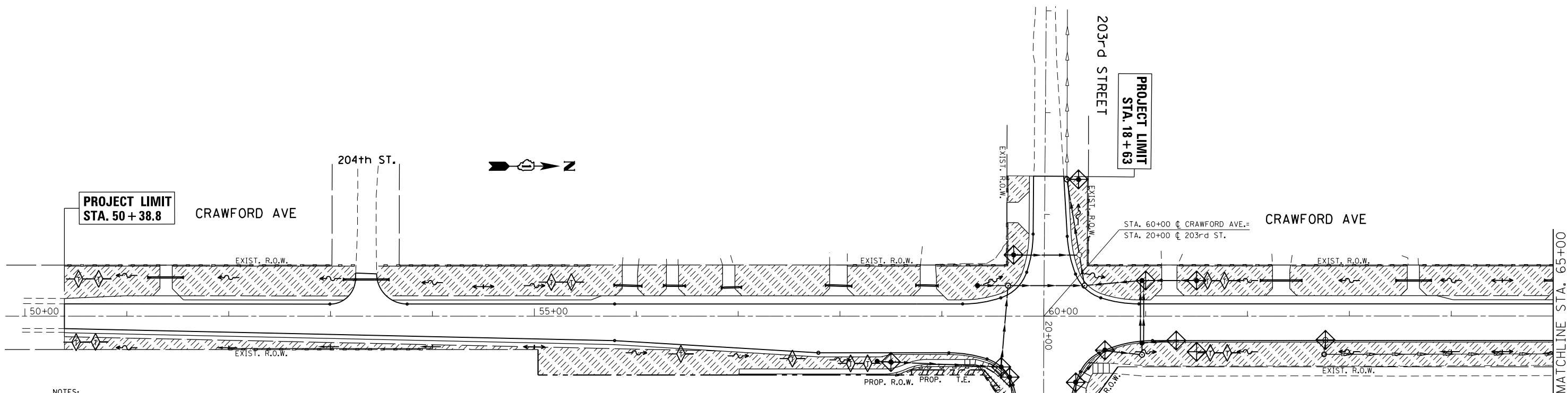
MATCHLINE STA. 64+00



LEGEND

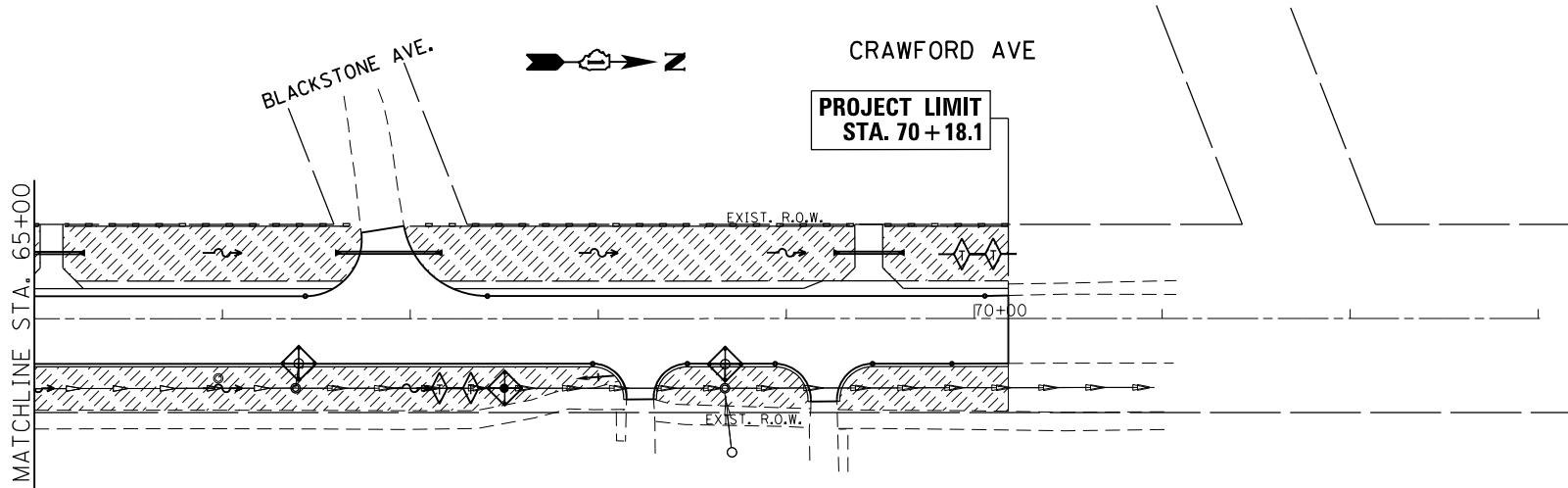


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| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC - STAGE II CRAWFORD AVE. AT 203RD ST. | F.A.U. RTÉ. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw:\11\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\P142599\Design\P142599-shr-staging.dgn | | DRAWN - | REVISED - | | | 3778 | 3144-R | COOK | 79 | 24 | |
| | | CHECKED - | REVISED - | | | CONTRACT NO. 60P05 | | | | | |
| | | DATE - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | | |



NOTES:

1. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (<https://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control>).
2. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH REINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING THE WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
4. HE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOWLINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.



5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.
7. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
8. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RE.

LEGEND

- PERIMETER EROSION BARRIER
- INLET FILTERS
- TEMPORARY DITCH CHECK
- TEMPORARY EROSION CONTROL SEEDING
- EROSION CONTROL BLANKET

| | | | |
|---|-------------------------------|------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - |
| pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P142599\Design\PI42599-shd-Design.dgn | | REVISED - | REVISED - |
| | PLOT SCALE = 100.0000' / 1" = | CHECKED - | REVISED - |
| | PLOT DATE = 5/5/2017 | DATE - | REVISED - |

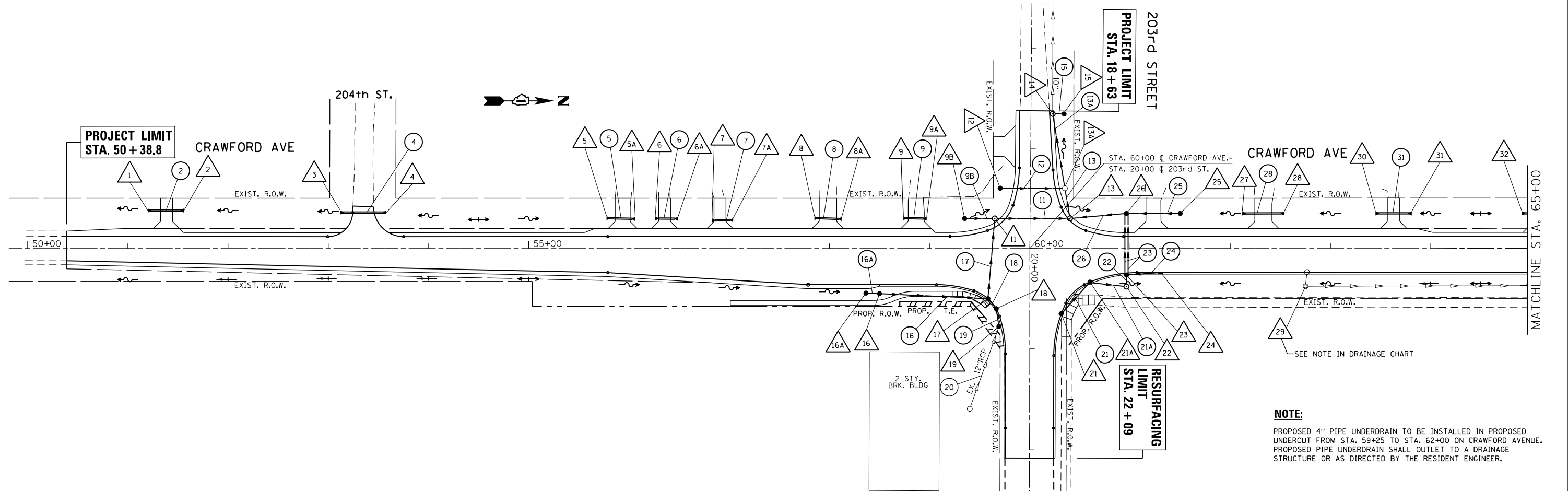
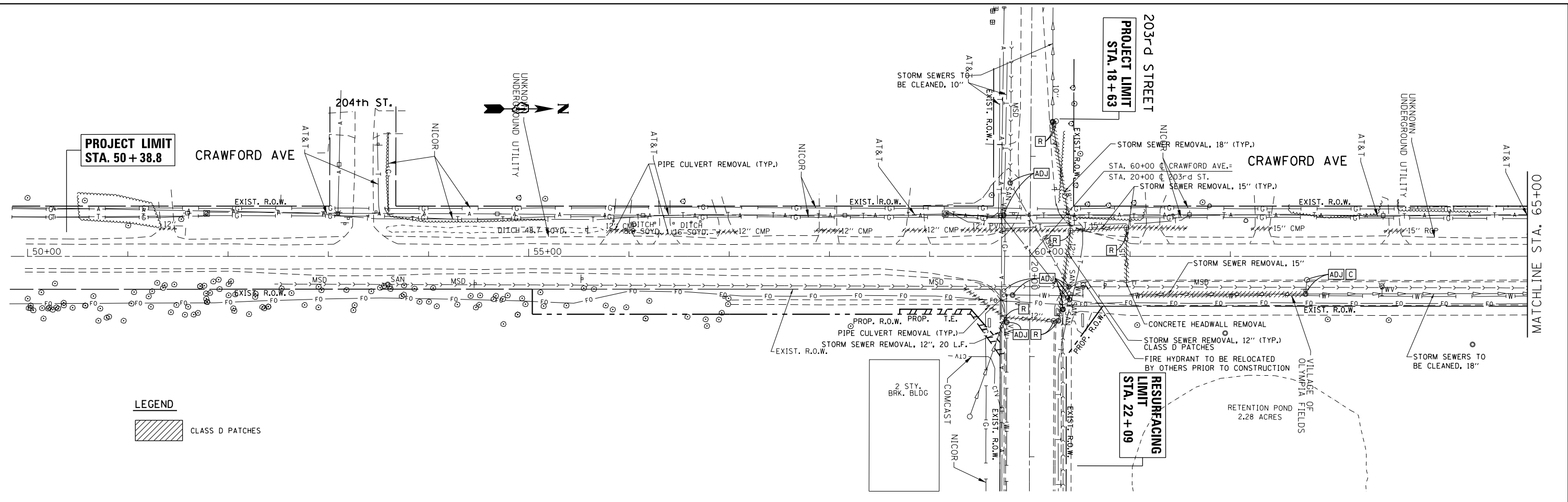
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
CRAWFORD AVE. AT 203rd ST.**

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|--------|--------------|-----------|
| 3778 | 3144-R | COOK | 79 | 25 |
| CONTRACT NO. 60P05 | | | | |

ILLINOIS FED. AID PROJECT

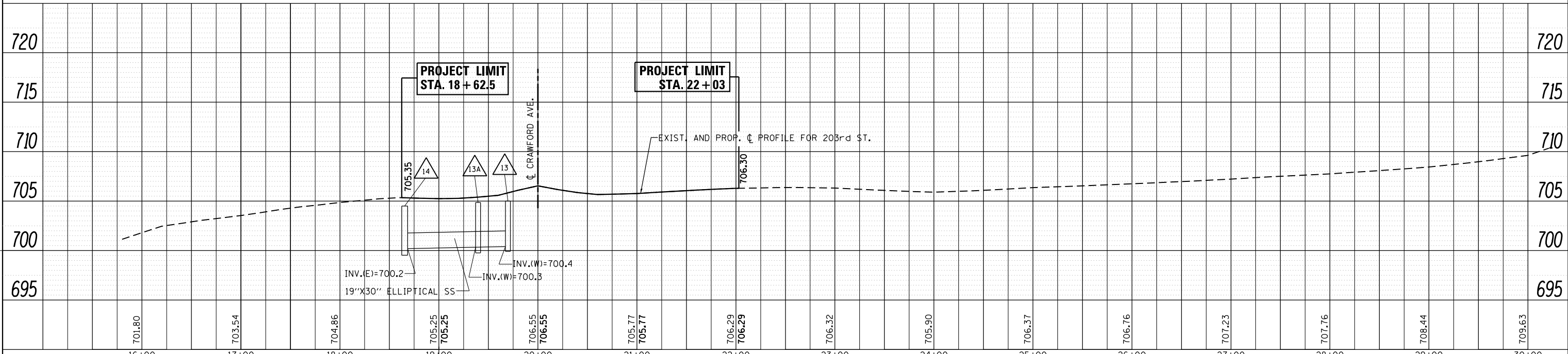
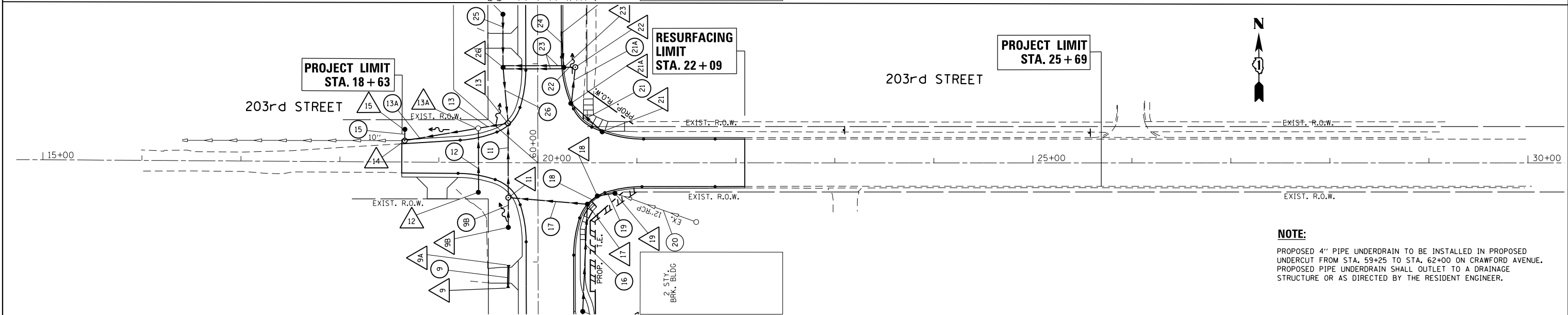
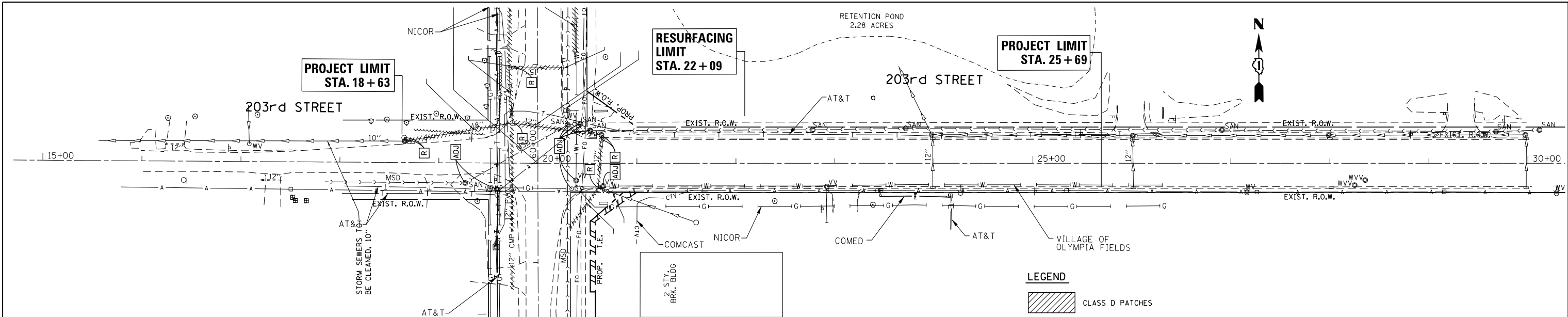


NOTE:
 PROPOSED 4" PIPE UNDERDRAIN TO BE INSTALLED IN PROPOSED UNDERCUT FROM STA. 59+25 TO STA. 62+00 ON CRAWFORD AVENUE. PROPOSED PIPE UNDERDRAIN SHALL OUTLET TO A DRAINAGE STRUCTURE OR AS DIRECTED BY THE RESIDENT ENGINEER.

| | | | | | | | | | | |
|---|-----------------------|------------|-----------|---|---|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE & UTILITIES PLAN PULASKI RD./CRAWFORD AVE. AT 203rd ST. | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\P142599\Design\Design.dgn | | CHECKED - | REVISED - | | | 3778 | 3144-R | COOK | 79 | 26 |
| PLOT SCALE = 100.0000' / in. | | DATE - | REVISED - | | | CONTRACT NO. 60P05 | | | | |
| PLOT DATE = 4/5/2017 | | | | | | ILLINOIS FED. AID PROJECT | | | | |

| | | |
|------|-----------------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | BY | |

| | | |
|---------|-----------------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | BY | |

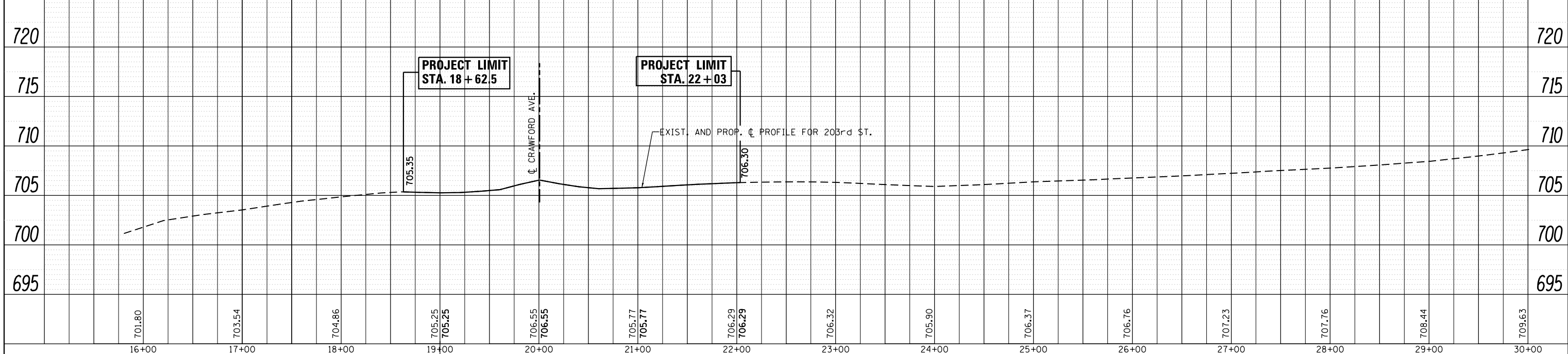
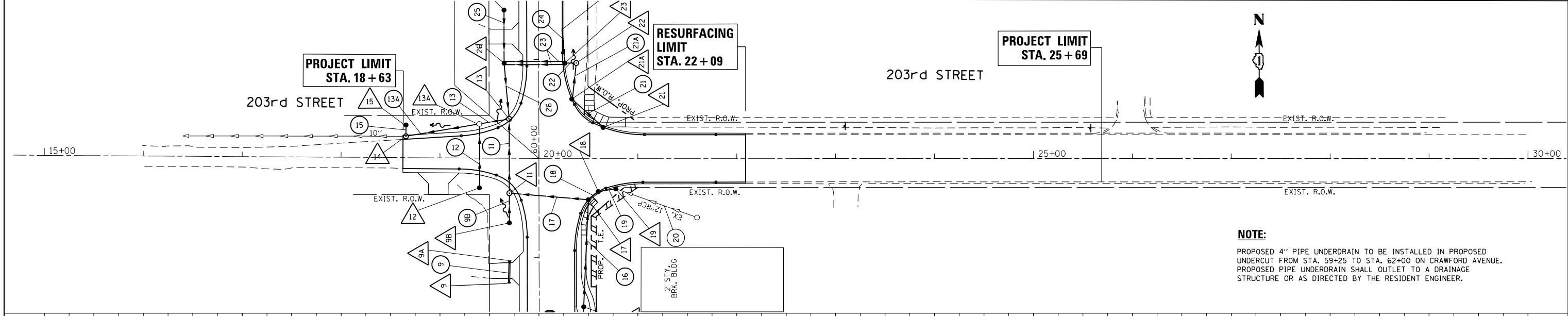
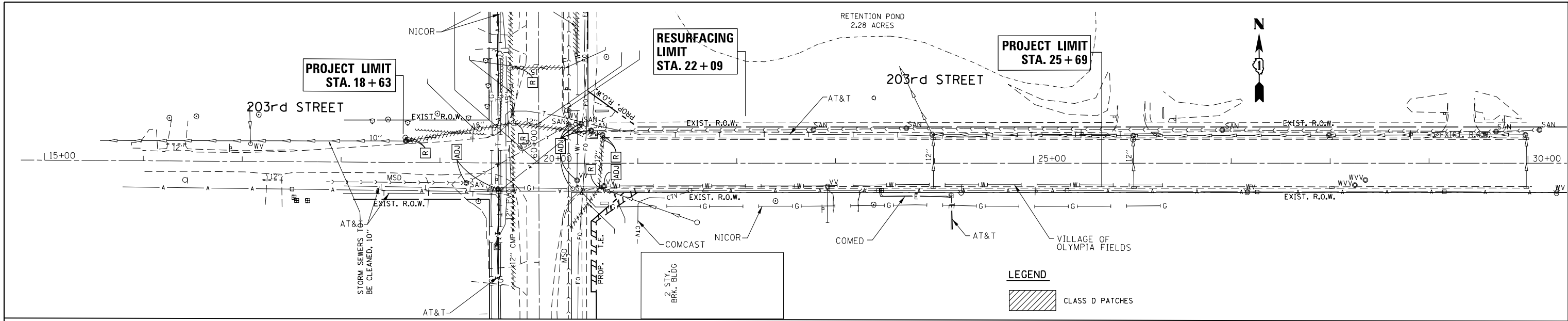


NOTE:
 PROPOSED 4" PIPE UNDERDRAIN TO BE INSTALLED IN PROPOSED UNDERCUT FROM STA. 59+25 TO STA. 62+00 ON CRAWFORD AVENUE. PROPOSED PIPE UNDERDRAIN SHALL OUTLET TO A DRAINAGE STRUCTURE OR AS DIRECTED BY THE RESIDENT ENGINEER.

| | | | | | | | | | | |
|--|-----------------------|------------|-----------|---|---|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE & UTILITIES PLAN & PROFILE 203rd ST. AT PULASKI RD./CRAWFORD AVE. LEFT SIDE | F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pwt:\IL084EBIDINTEG.allinois.gov\PIWIDOT\Documents\100T Offices\District 1\Projects\P142599\Design\142599-sht-Design.dgn | DRAWN | REVISED - | REVISED - | | | 3778 | 3144-R | COOK | 79 | 27 |
| PLOT SCALE = 100.0000' / 1". | CHECKED - | REVISED - | REVISED - | | | CONTRACT NO. 60P05 | | | | |
| Default | DATE - | REVISED - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | |

| | | |
|------|-----------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | NOTE BOOK | |
| | NO. | |
| | CHECKED | |
| | FILE NAME | |

| | | |
|---------|-----------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | NOTE BOOK | |
| | NO. | |
| | CHECKED | |
| | FILE NAME | |

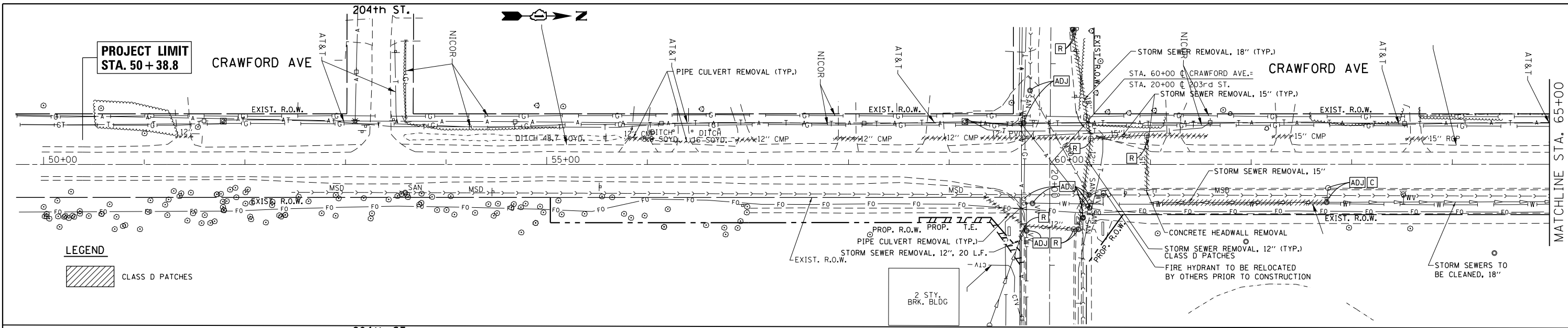


NOTE:
 PROPOSED 4" PIPE UNDERDRAIN TO BE INSTALLED IN PROPOSED UNDERCUT FROM STA. 59+25 TO STA. 62+00 ON CRAWFORD AVENUE. PROPOSED PIPE UNDERDRAIN SHALL OUTLET TO A DRAINAGE STRUCTURE OR AS DIRECTED BY THE RESIDENT ENGINEER.

| | | | | | | | | | | | | | |
|-------------|-----------------------|------------|-----------|---|--|--|--|--|--|---------|--------------------|--------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE & UTILITIES PLAN & PROFILE | | | | F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - | REVISED - | | 203rd ST. AT PULASKI RD./CRAWFORD AVE. RIGHT SIDE | | | | 3778 | 3144-R | COOK | 79 | 28 |
| | | CHECKED - | REVISED - | | SCALE: 1"=50' | | | | SHEET OF SHEETS STA. 18+62.5 TO STA. 22+03 | | CONTRACT NO. 60P05 | | |
| | | DATE - | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | | |

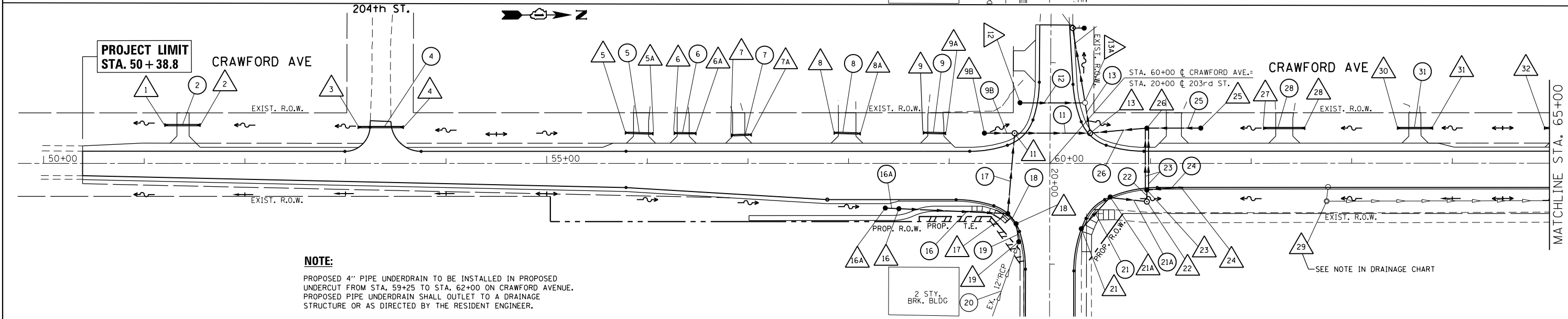
| DATE | BY |
|------|----------|
| | |
| | |
| PLAN | SURVEYED |
| | PLOTTED |
| | ALIGNED |
| | CHECKED |
| | FILED |
| | NO. |

| DATE | BY |
|---------|-----------|
| | |
| | |
| PROFILE | SURVEYED |
| | PLOTTED |
| | GRADES |
| | CHECKED |
| | STRUCTURE |
| | NOTATIONS |
| | CHKD |
| | NO. |



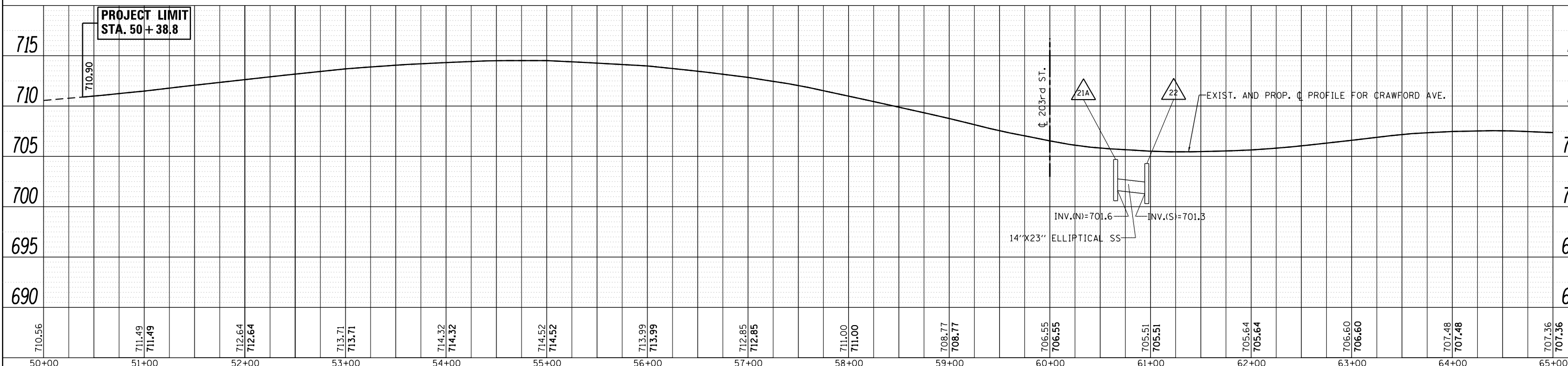
LEGEND

CLASS D PATCHES



NOTE:

PROPOSED 4" PIPE UNDERDRAIN TO BE INSTALLED IN PROPOSED UNDERCUT FROM STA. 59+25 TO STA. 62+00 ON CRAWFORD AVENUE. PROPOSED PIPE UNDERDRAIN SHALL OUTLET TO A DRAINAGE STRUCTURE OR AS DIRECTED BY THE RESIDENT ENGINEER.



| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 710.56 | 711.49 | 712.64 | 713.71 | 714.32 | 714.52 | 715.99 | 712.85 | 711.00 | 708.77 | 706.55 | 705.51 | 705.64 | 706.60 | 707.48 | 707.36 |
| 50+00 | 51+00 | 52+00 | 53+00 | 54+00 | 55+00 | 56+00 | 57+00 | 58+00 | 59+00 | 60+00 | 61+00 | 62+00 | 63+00 | 64+00 | 65+00 |

FILE NAME = USER NAME = paraynol DESIGNED - REVISED -
 PLOT SCALE = 100.0000' / IN. CHECKED - REVISED -
 PLOT DATE = 4/5/2017 DATE - REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

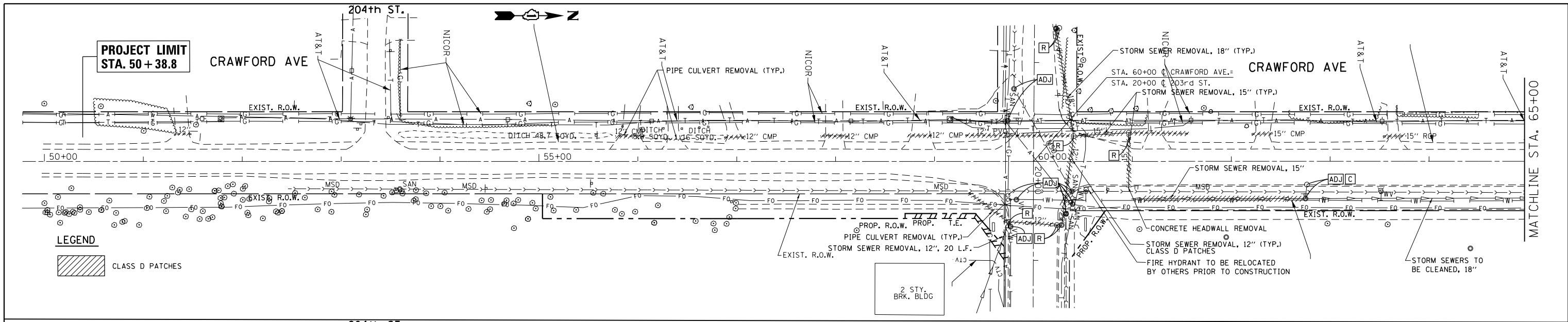
**DRAINAGE AND UTILITIES PLAN & PROFILE
PULASKI RD./CRAWFORD AVE. AT 203rd ST. RIGHT SIDE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 3778 | 3144-R | COOK | 79 | 29 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

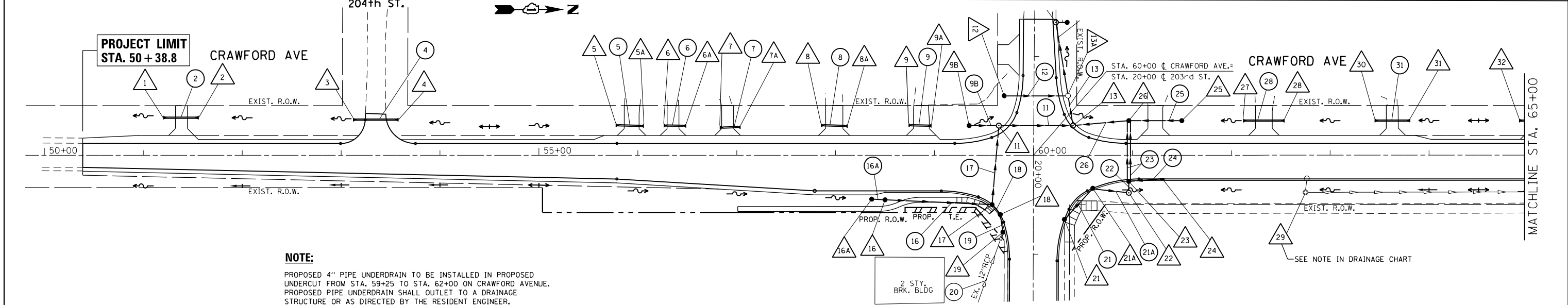
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| DATE | |
| BY | |
| PLAN | |
| NO. | |
| NO. | |
| NO. | |
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| | |
|---------|--|
| DATE | |
| BY | |
| PROFILE | |
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| NO. | |

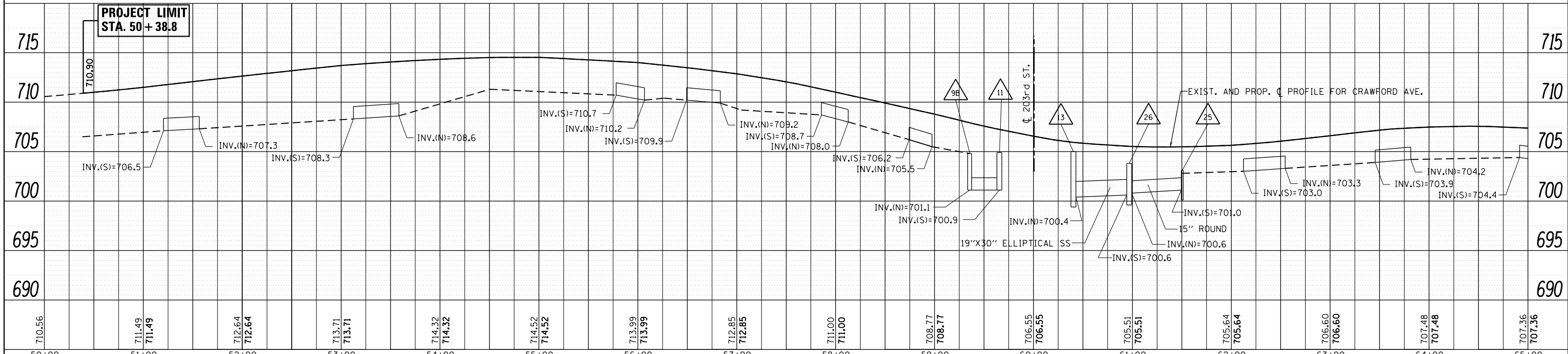


LEGEND

CLASS D PATCHES



NOTE:
 PROPOSED 4" PIPE UNDERDRAIN TO BE INSTALLED IN PROPOSED UNDERCUT FROM STA. 59+25 TO STA. 62+00 ON CRAWFORD AVENUE. PROPOSED PIPE UNDERDRAIN SHALL OUTLET TO A DRAINAGE STRUCTURE OR AS DIRECTED BY THE RESIDENT ENGINEER.



| | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 710.56 | 711.49 | 712.64 | 713.71 | 714.32 | 714.52 | 713.99 | 712.85 | 711.00 | 708.77 | 706.55 | 705.51 | 705.64 | 706.60 | 707.48 | 707.36 |
| 50+00 | 51+00 | 52+00 | 53+00 | 54+00 | 55+00 | 56+00 | 57+00 | 58+00 | 59+00 | 60+00 | 61+00 | 62+00 | 63+00 | 64+00 | 65+00 |

| | | | |
|---------------|-----------------------|------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - |
| PROJECT NO. = | PROJECT NO. = | CHECKED - | REVISED - |
| DATE = | DATE = | DATE = | DATE = |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

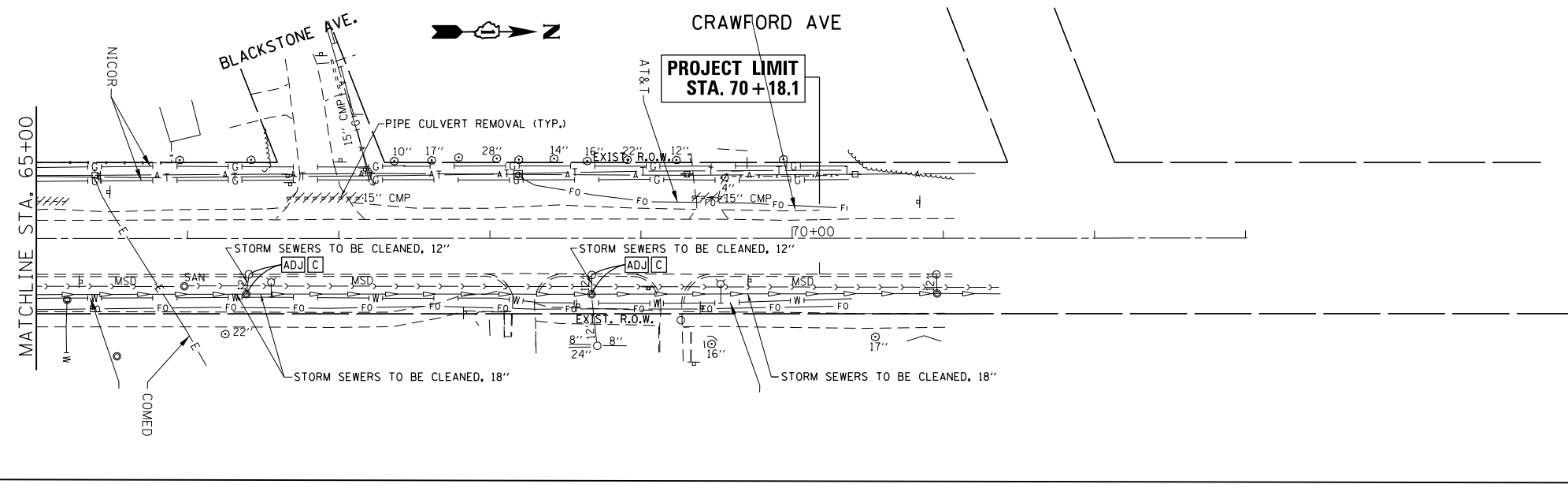
**DRAINAGE AND UTILITIES PLAN & PROFILE
PULASKI RD./CRAWFORD AVE. AT 203rd ST. LEFT SIDE**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

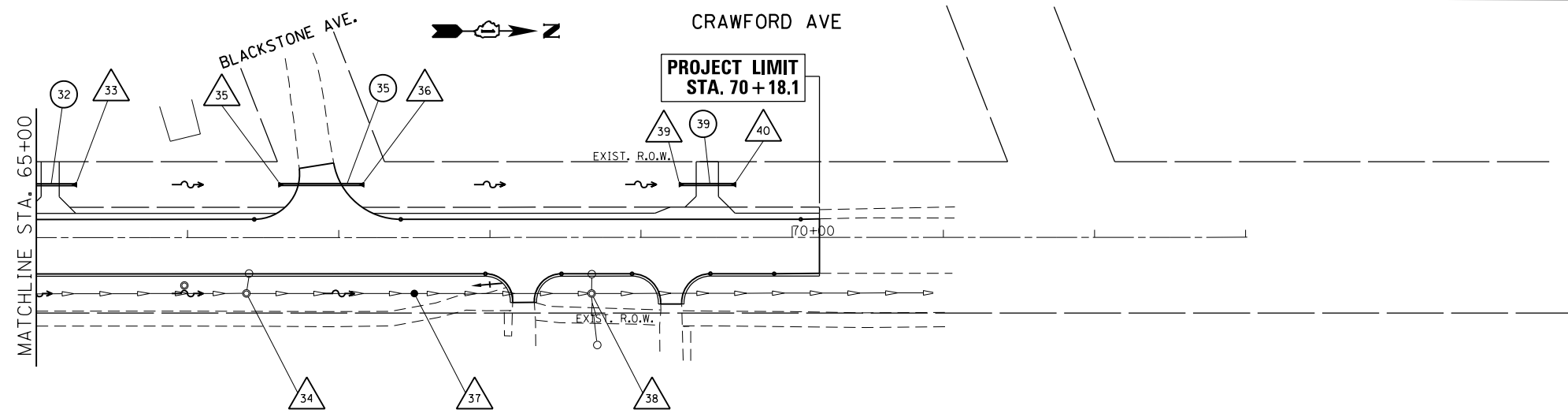
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|---------------------------|---------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 30 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | |
|------|-----------------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | FILE NAME | |

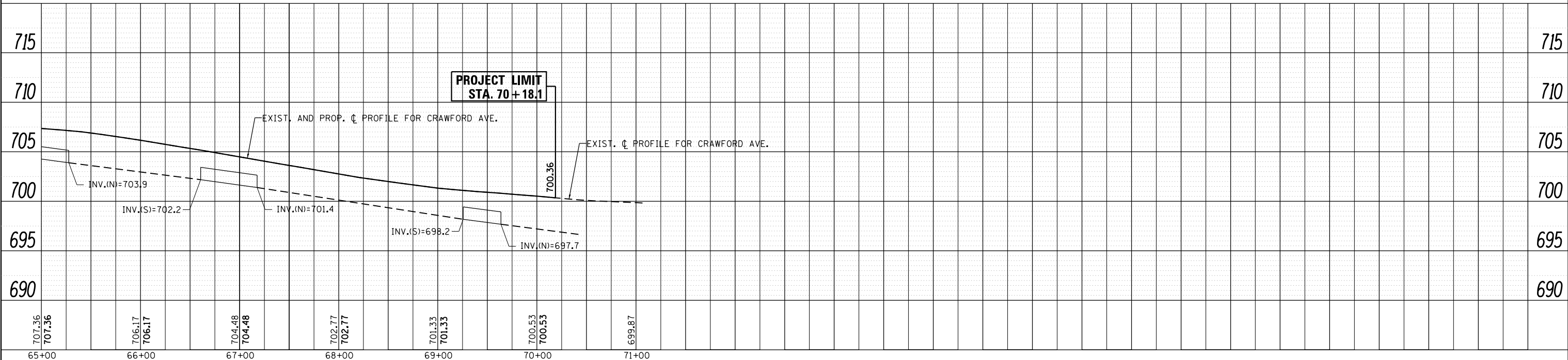
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| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | NOTE BOOK NO. | |
| | FILE NAME | |



LEGEND
 CLASS D PATCHES



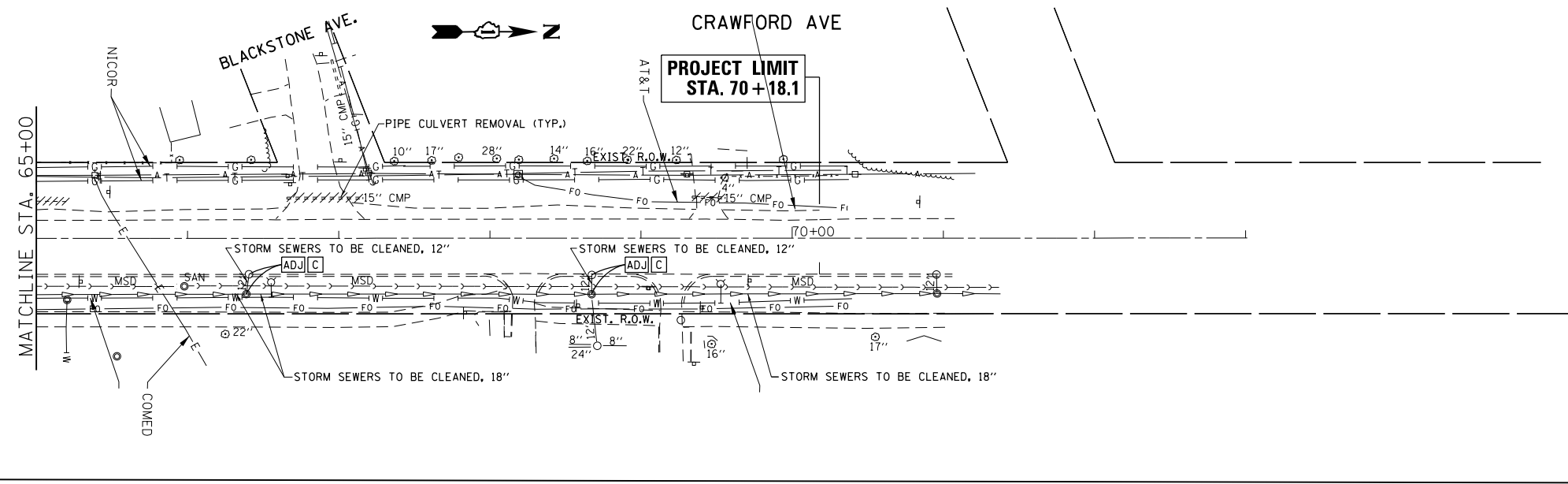
NOTE:
 PROPOSED 4" PIPE UNDERDRAIN TO BE INSTALLED IN PROPOSED UNDERCUT FROM STA. 59+25 TO STA. 62+00 ON CRAWFORD AVENUE. PROPOSED PIPE UNDERDRAIN SHALL OUTLET TO A DRAINAGE STRUCTURE OR AS DIRECTED BY THE RESIDENT ENGINEER.



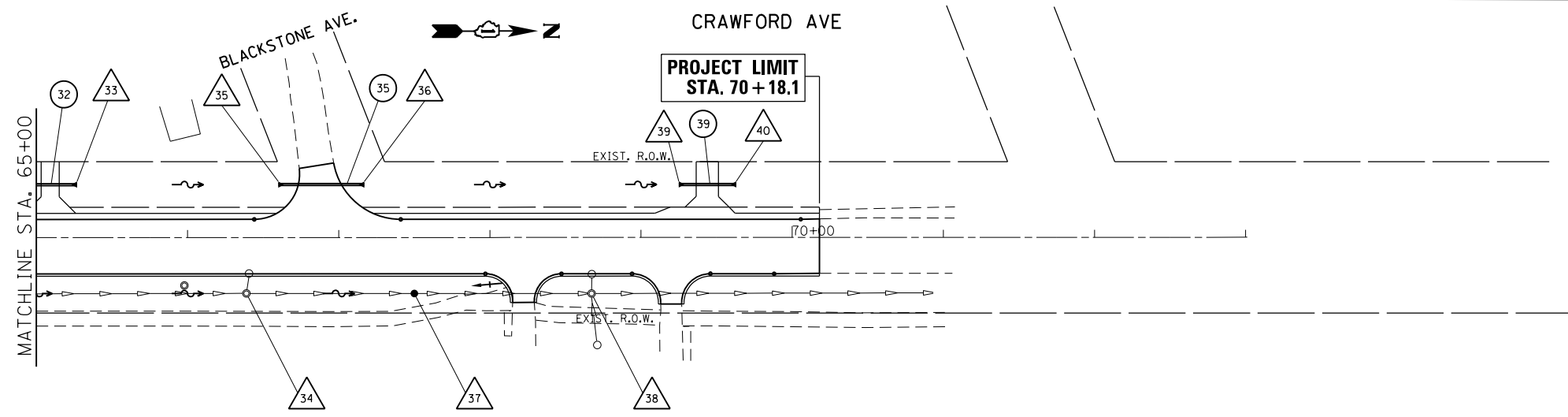
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|-------------------------------|-----------------------|------------|-----------|---|---|---------------------------|---------|--------------|--------------|-----------|
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| | | | | | | 3778 | 3144-R | COOK | 79 | 31 |
| | | | | | | CONTRACT NO. 60P05 | | | | |
| | | | | | | ILLINOIS FED. AID PROJECT | | | | |
| PLOT SCALE = 100.0000' / 1" = | | CHECKED - | REVISED - | SCALE: 1"=50' | | SHEET OF SHEETS | | STA. TO STA. | | |
| PLOT DATE = 4/5/2017 | | DATE - | REVISED - | | | | | | | |

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|------|-----------------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | ALIGNMENT CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | FILE NAME | |
| | NO. | |

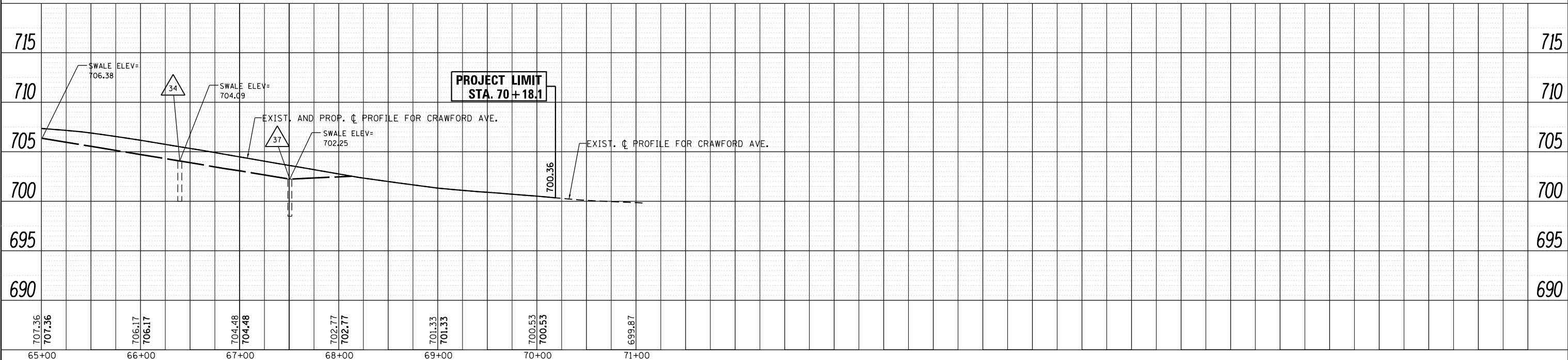
| | | |
|---------|-----------------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | GRADES CHECKED | |
| | ALIGNMENT CHECKED | |
| | STRUCTURE NOTATIONS CHECKED | |
| | FILE NAME | |
| | NO. | |



LEGEND
 CLASS D PATCHES



NOTE:
 PROPOSED 4" PIPE UNDERDRAIN TO BE INSTALLED IN PROPOSED UNDERCUT FROM STA. 59+25 TO STA. 62+00 ON CRAWFORD AVENUE. PROPOSED PIPE UNDERDRAIN SHALL OUTLET TO A DRAINAGE STRUCTURE OR AS DIRECTED BY THE RESIDENT ENGINEER.



| | | | |
|--|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - |
| pwt:\IL084EBIDINTEG.allinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\P142599\Drawings\Design\P142599-sht-Design.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 4/5/2017 | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES PLAN & PROFILE
PULASKI RD./CRAWFORD AVE. AT 203rd ST. RIGHT SIDE
 SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 32 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

DRAINAGE STRUCTURES AND STORM SEWERS TABLE

DRAINAGE STRUCTURES

1 PRECAST RCP FLARED END SECTIONS 15"
STA. 51+20, 38 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 709.5
INV.(S) = 707.1
EXIST. SWALE ELEV.
AT STA. 50+38.8 = 706.5

2 PRECAST RCP FLARED END SECTIONS 15"
STA. 51+56, 38 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 709.5
INV.(N) = 707.3

3 PRECAST RCP FLARED END SECTIONS 15"
STA. 53+12, 36 LT
PROP. DRIVEWAY ELEV. @ PIPE#4 = 713.3
INV.(S) = 708.3

4 PRECAST RCP FLARED END SECTIONS 15"
STA. 53+58, 36 LT
PROP. DRIVEWAY ELEV. @ PIPE#4 = 713.3
INV.(N) = 708.6

PROP. SWALE SWALE SUMMIT ELEV = 711.3
SUMMIT STA. 54+50, 29 LT

5 PRECAST RCP FLARED END SECTIONS 15"
STA. 55+77.6, 30.4 LT
PROP. DRIVEWAY ELEV. @ PIPE#5 = 714.1
INV.(S) = 710.7

5A PRECAST RCP FLARED END SECTIONS 15"
STA. 56+06.2, 29.6 LT
PROP. DRIVEWAY ELEV. @ PIPE#5 = 714.1
INV.(N) = 710.5

6 PRECAST RCP FLARED END SECTIONS 15"
STA. 56+26.2, 30 LT
PROP. DRIVEWAY ELEV. @ PIPE#6 = 713.9
INV.(S) = 710.4

6A PRECAST RCP FLARED END SECTIONS 15"
STA. 56+48.9, 29.8 LT
PROP. DRIVEWAY ELEV. @ PIPE#6 = 713.9
INV.(N) = 710.2

7 PRECAST RCP FLARED END SECTIONS 15"
STA. 56+82.9, 28.1 LT
PROP. DRIVEWAY ELEV. @ PIPE#7 = 713.0
INV.(S) = 709.9

7A PRECAST RCP FLARED END SECTIONS 15"
STA. 57+04, 28.4 LT
PROP. DRIVEWAY ELEV. @ PIPE#7 = 713.0
INV.(N) = 709.2

8 PRECAST RCP FLARED END SECTIONS 15"
STA. 57+85.1, 30.3 LT
PROP. DRIVEWAY ELEV. @ PIPE#8 = 710.7
INV.(S) = 708.7

8A PRECAST RCP FLARED END SECTIONS 15"
STA. 58+12.3, 29.5 LT
PROP. DRIVEWAY ELEV. @ PIPE#8 = 710.7
INV.(N) = 708.0

9 PRECAST RCP FLARED END SECTIONS 15"
STA. 58+73.8, 30.4 LT
PROP. DRIVEWAY ELEV. @ PIPE#9 = 708.1
INV.(S) = 706.2

9A PRECAST RCP FLARED END SECTIONS 15"
STA. 58+97, 30 LT
PROP. DRIVEWAY ELEV. @ PIPE#9 = 708.1
INV.(N) = 705.5
(INVERT TIES IN TO STRUCTURE 9B'S T.O.G.)

FLAT TOP 9B CB TYP.A 4' DIA. W/ F&G TYP. 8
STA. 59+35, 30 LT
T.O.G. = 704.8
INV.(N) = 701.1

FLAT TOP 11 MH, TYP.A 5' DIA. W/ F&G CL. TYP. 1
STA. 59+65, 30 LT
T.O.G. = 704.9
INV.(S) = 700.9
INV.(E) = 700.9
INV.(N) = 700.8

FLAT TOP 12 CB TYP.A 4' DIA. W/ F&G TYP. 8
STA. 19+40, 30.1 RT
T.O.G. = 705.4
INV.(N) = 701.1

NOTE: FINAL T.O.G. IN THE FIELD TO BE ADJUSTED AND MATCH THE PROPOSED SWALE SURFACE ON WHICH PROPOSED STRUCTURE #12 IS LOCATED.

FLAT TOP 13 MH, TYP.A 5' DIA. W/ F&G CL. TYP. 1
STA. 60+40, 30 LT
T.O.G. = 705
INV.(N) = 700.4
INV.(S) = 700.5
INV.(W) = 700.4

FLAT TOP 13A MH, TYP.A 5' DIA. W/ F&G CL. TYP. 1
STA. 19+39.5, 34.5 LT
T.O.G. = 704.2
INV.(E) = 700.3
INV.(S) = 700.3
INV.(W) = 700.3

FLAT TOP 14 MH, TYP.A 6' DIA. W/ F&G, CL TYP. 1
STA. 18+65.4, 21.6 LT
T.O.G. = 704.5
INV.(E) = 700.2
INV.(N) = 700.4
INV. = 700.4 (PLATE ORIFICE)
INV.(W) = 700.2 (EXISTING, TO MAINTAIN)

RESTRICTOR MANHOLE NOTE: SEE DISTRICT DETAIL BD-12 FOR OTHER ELEVATIONS AND REQUIREMENTS

FLAT TOP 15 CB TYP.A 4' DIA. W/ F&G TYP. 8
STA. 18+65.4, 33 LT
T.O.G. = 703.0
INV.(S) = 700.5

FLAT TOP 16 CB TYP.A 5' DIA. W/ F&G TYP. 8
STA. 58+50, 45 RT
T.O.G. = 708.0
INV.(S) = 703.0
INV.(N) = 702.8

FLAT TOP 16A CB TYP.A 5' DIA. W/ F&G TYP. 8
STA. 58+36.5, 44.4 RT
T.O.G. = 708.4
INV.(N) = 703.1

FLAT TOP 17 CB TYP.A 5' DIA. W/ F&G TYP. 24
STA. 20+50, 41.7 RT
T.O.G. = 705.2
INV.(S) = 701.6
INV.(NE) = 701.6
INV.(W) = 701.5

FLAT TOP 18 CB TYP.A 4' DIA. W/ F&G TYP. 24
STA. 20+60, 33.4 RT
T.O.G. = 704.8
INV.(E) = 701.8
INV.(SW) = 701.7

FLAT TOP 19 CB TYP.A 5' DIA. W/ F&G TYP. 8
STA. 20+78, 30.7 RT
T.O.G. = 705.6
INV.(E) = 702.8 (EXIST. TO MAINTAIN)
INV.(W) = 702.0

FLAT TOP 21 CB TYP.A 4' DIA. W/ F&G TYP. 24
STA. 20+65, 31.5 LT
T.O.G. = 705.0
INV.(NW) = 702.0

FLAT TOP 21A CB, TYP.A, 4' DIA. W/ F&G TYP. 24
STA. 60+59, 33.9 RT
T.O.G. = 704.7
INV.(SE) = 701.7
INV.(N) = 701.6

FLAT TOP 22 MH, TYP.A 4' DIA. W/ F&G CL TYP. 1
STA. 60+96.4, 38 RT
T.O.G. = 704.3
INV.(S) = 701.3 INV.(W) = 701.2

FLAT TOP 23 CB, TYP.A 5' DIA. W/ F&G TYP. 24
STA. 60+96.4, 26.4 RT
T.O.G. = 705.1
INV.(E) = 701.1
INV.(N) = 701.2
INV.(W) = 701.0

NOTE: INV.(W) = COMMON PROPOSED INVERT FOR TWO 12" STORM SEWERS #23, SEPARATED A MINIMUM OF 6" FROM OUTER WALL TO OUTER WALL.

FLAT TOP 24 CB, TYP. A, 4' DIA. W/ F&G TYP. 24
STA. 61+30.1, 24 RT
T.O.G. = 704.8
INV.(S) = 701.7

25 CB TYP. C 2' DIA. W/ F&G CL. TYP. 8
STA. 61+50, 35 LT
T.O.G. = 702.8
INV.(S) = 701.0

FLAT TOP 26 CB TYP.A 5' DIA. W/ F&G TYP. 8
STA. 60+96.4, 35 LT
T.O.G. = 703.8
INV.(N) = 700.6
INV.(E) = 700.7
INV.(S) = 700.6

NOTE: INV.(E) = COMMON PROPOSED INVERT FOR TWO 12" STORM SEWERS #23, SEPARATED A MINIMUM OF 6" FROM OUTER WALL TO OUTER WALL.

27 PRECAST RCP FLARED END SECTIONS 15"
STA. 62+12, 35 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 705.3
INV.(S) = 703.0

28 PRECAST RCP FLARED END SECTIONS 15"
STA. 62+54, 35 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 705.3
INV.(N) = 703.3

29 EXIST. STRUCTURE.
STA. 62+75.1, 37.6 RT
T.O.G. = TBD IN THE FIELD; ADJUST RIM TO MATCH PROP. SWALE BACK SLOPE ELEVATION

NOTE: EXISTING STORM SEWER OPENING, SOUTH, IS PROPOSED TO BE PLUGGED AFTER EXISTING 15" STORM SEWER SOUTH OF THE STRUCTURE IS REMOVED.

30 PRECAST RCP FLARED END SECTIONS 15"
STA. 63+45, 35 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 706.7
INV.(S) = 703.9

31 PRECAST RCP FLARED END SECTIONS 15"
STA. 63+81, 35 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 706.7
INV.(N) = 704.2

PROP. SWALE SWALE SUMMIT ELEV = 705.0
SUMMIT STA. 64+50, 35 LT

NOTES:

STORM SEWER OFFSET LOCATIONS GIVEN ON THE DETAIL PLANS ARE TO THE FOLLOWING POINTS:

- A) STRUCTURES FALLING WITHIN THE CURB LINE ARE MEASURED TO THE EDGE OF PAVEMENT.
- B) ALL OTHER STRUCTURES ARE MEASURED TO THE CENTER OF THE STRUCTURE.

PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER.

THE INSTALLATION AND CONNECTION OF A PROPOSED STRUCTURE (CATCH BASIN/MANHOLE/INLET) OVER AN EXISTING STORM SEWER AND/OR A PROPOSED STORM SEWER CONNECTION TO AN EXISTING STRUCTURE, AND THE REMOVAL WORK REQUIRED TO MAKE THE CONNECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ITEM BEING INSTALLED.

32 PRECAST RCP FLARED END SECTIONS 15"
STA. 64+91, 35 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 706.9
INV.(S) = 704.4

33 PRECAST RCP FLARED END SECTIONS 15"
STA. 65+27, 35 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 706.9
INV.(N) = 703.9

34 EXIST. STRUCTURE.
STA. 66+39, 36.9 RT
T.O.G. = ADJUST RIM TO MATCH PROP. SWALE ELEVATION AT EXIST. LOCATION = 703.9

35 PRECAST RCP FLARED END SECTIONS 15"
STA. 66+60, 35 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 704.0
INV.(S) = 702.2

36 PRECAST RCP FLARED END SECTIONS 15"
STA. 67+17, 35 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 703.7
INV.(N) = 701.4

37 EXIST. STRUCTURE.
STA. 67+50, 37 RT
T.O.G. = ADJUST RIM TO MATCH PROP. SWALE ELEVATION AT EXIST. LOCATION = 702.3

38 EXIST. STRUCTURE.
STA. 68+67.3, 37 RT
T.O.G. = TBD IN THE FIELD; MATCH TO PROP. SWALE BACK SLOPE

39 PRECAST RCP FLARED END SECTIONS 15"
STA. 69+25, 35 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 699.5
INV.(S) = 698.2

40 PRECAST RCP FLARED END SECTIONS 15"
STA. 69+63, 35 LT
PROP. DRIVEWAY ELEV. @ PIPE#2 = 699.5
INV.(N) = 697.7

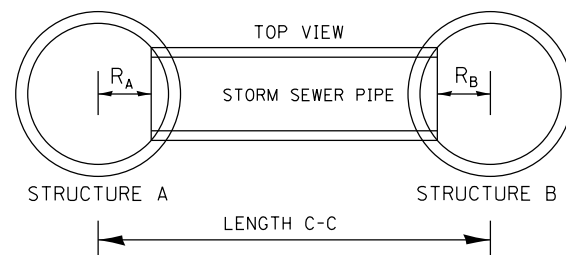
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|---|-----------------------|------------|-----------|-------------------------------------|--|---------------------------|---------|--------------|--------------|-----------|
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| p:\work\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P142599\Design\PI42599-shd-Design.dgn | | | | DEPARTMENT OF TRANSPORTATION | PULASKI ROAD /CRAWFORD AVENUE AT 203RD STREET | 3778 | 3144-R | COOK | 79 | 33 |
| PLOT SCALE = 100.0000' / in. | | | | CHECKED - | REVISED - | CONTRACT NO. 60P05 | | | | |
| PLOT DATE = 4/5/2017 | | | | DATE - | REVISED - | ILLINOIS FED. AID PROJECT | | | | |
| SCALE: | | | | | | SHEET OF SHEETS | | STA. TO STA. | | |

DRAINAGE STRUCTURES AND STORM SEWERS TABLE

| STORM SEWER PIPES | ADJUSTED LENGTH | PIPE LOCATION | |
|--|-----------------|------------------------|-------------------------|
| | | STRUCTURE (DOWNSTREAM) | TO STRUCTURE (UPSTREAM) |
| 2 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 36' | 1 | TO 2 |
| 4 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 46' | 3 | TO 4 |
| 5 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 28.6' | 5A | TO 5 |
| 6 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 22.7' | 6A | TO 6 |
| 7 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 21.1' | 7A | TO 7 |
| 8 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 27.2' | 8A | TO 8 |
| 9 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 23.3' | 9A | TO 9 |
| 9B PROP. STORM SEWER, CLASS A, TYPE 2, 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 25.8' | FLAT TOP 11 | TO FLAT TOP 9B |
| 11 PROP. STORM SEWER, CLASS A, TYPE 2, 20" TRENCH BACK FILL = 19.7 CUBIC YARDS | 70.5' | FLAT TOP 13 | TO FLAT TOP 11 |
| 12 PROP. STORM SEWER, CLASS A, TYPE 2, 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 60.4' | FLAT TOP 12 | TO FLAT TOP 13A |
| 13 PROP. STORM SEWER, CLASS A, TYPE 2, EQUIV. ROUND SIZE 24", (19" X 30" ELLIPTICAL) TRENCH BACK FILL = 0.0 CUBIC YARD | 26.7' | FLAT TOP 13A | TO FLAT TOP 13 |
| 13A PROP. STORM SEWER, CLASS A, TYPE 2, 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 70.7' | FLAT TOP 14 | TO FLAT TOP 13A |
| 15 PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 0.0 CUBIC YARDS | 6.6' | FLAT TOP 14 | TO FLAT TOP 15 |
| 16 PROP. STORM SEWER, CLASS A, TYPE 2, 18" TRENCH BACK FILL = 33.3 CUBIC YARDS | 103.7' | FLAT TOP 17 | TO FLAT TOP 16 |
| 16A PROP. STORM SEWER, CLASS A, TYPE 2, 18" TRENCH BACK FILL = 0.0 CUBIC YARDS | 8.9' | FLAT TOP 16 | TO FLAT TOP 16A |
| 17 PROP. STORM SEWER, CLASS A, TYPE 2, 20" TRENCH BACK FILL = 11.4 CUBIC YARD | 75.7' | 11 | TO FLAT TOP 17 |
| 18 PROP. STORM SEWER, CLASS A, TYPE 2, 15" TRENCH BACK FILL = 2.4 CUBIC YARDS | 8.8' | FLAT TOP 17 | TO FLAT TOP 18 |

| STORM SEWER PIPES | ADJUSTED LENGTH | PIPE LOCATION | |
|---|-----------------|------------------------|-------------------------|
| | | STRUCTURE (DOWNSTREAM) | TO STRUCTURE (UPSTREAM) |
| 19 PROP. STORM SEWER, CLASS A, TYPE 2, 15" TRENCH BACK FILL = 3.4 CUBIC YARDS | 14' | FLAT TOP 18 | TO FLAT TOP 19 |
| 21 PROP. STORM SEWER, CLASS A, TYPE 2 EQUIV. ROUND SIZE 18", (14" X 23" ELLIPTICAL) TRENCH BACK FILL = 11.4 CUBIC YARD | 28.1' | FLAT TOP 21A | TO FLAT TOP 21 |
| 21A PROP. STORM SEWER, CLASS A, TYPE 2 EQUIV. ROUND SIZE 18", (14" X 23" ELLIPTICAL) TRENCH BACK FILL = 0.0 CUBIC YARD | 34.1' | 2 | TO FLAT TOP 21A |
| 22 PROP. STORM SEWER, CLASS A, TYPE 2, 18" TRENCH BACK FILL = 0.0 CUBIC YARD | 8.4' | FLAT TOP 23 | TO FLAT TOP 22 |
| TWO STORM SEWERS #23 GOING FROM STR. #23 TO STR. #26. A MINIMUM OF 6" SEPARATION BETWEEN THE OUTER WALLS OF THE TWO STORM SEWERS SHALL BE MAINTAINED. | | | |
| 23 PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 5.8 CUBIC YARD | 56.6' | FLAT TOP 26 | TO FLAT TOP 23 |
| 23 PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 5.8 CUBIC YARD | 56.6' | FLAT TOP 26 | TO FLAT TOP 23 |
| 24 PROP. STORM SEWER, CLASS A, TYPE 2, 12" TRENCH BACK FILL = 0.0 CUBIC YARD | 29.5' | FLAT TOP 23 | TO FLAT TOP 24 |
| 25 PROP. STORM SEWER, CLASS A, TYPE 1, 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 50.7' | FLAT TOP 26 | TO 25 |
| 26 PROP. STORM SEWER, CLASS A, TYPE 2 EQUIV. ROUND SIZE 24" (19" X 30" ELLIPTICAL) TRENCH BACK FILL = 0.0 CUBIC YARD | 52.2' | FLAT TOP 13 | TO FLAT TOP 26 |
| 28 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 42.0' | 27 | TO 28 |
| 31 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 36.0' | 30 | TO 31 |
| 32 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 36.0' | 33 | TO 32 |
| 35 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 57.0' | 36 | TO 35 |
| 39 PROP. PIPE CULVERT, CLASS A, TYPE 1 15" TRENCH BACK FILL = 0.0 CUBIC YARDS | 38.0' | 40 | TO 39 |

DESIGNER NOTE: STORM SEWER PIPE ADJUSTED LENGTH:
= LENGTH C-C MINUS R_A MINUS R_B
(SEE SKETCH BELOW)



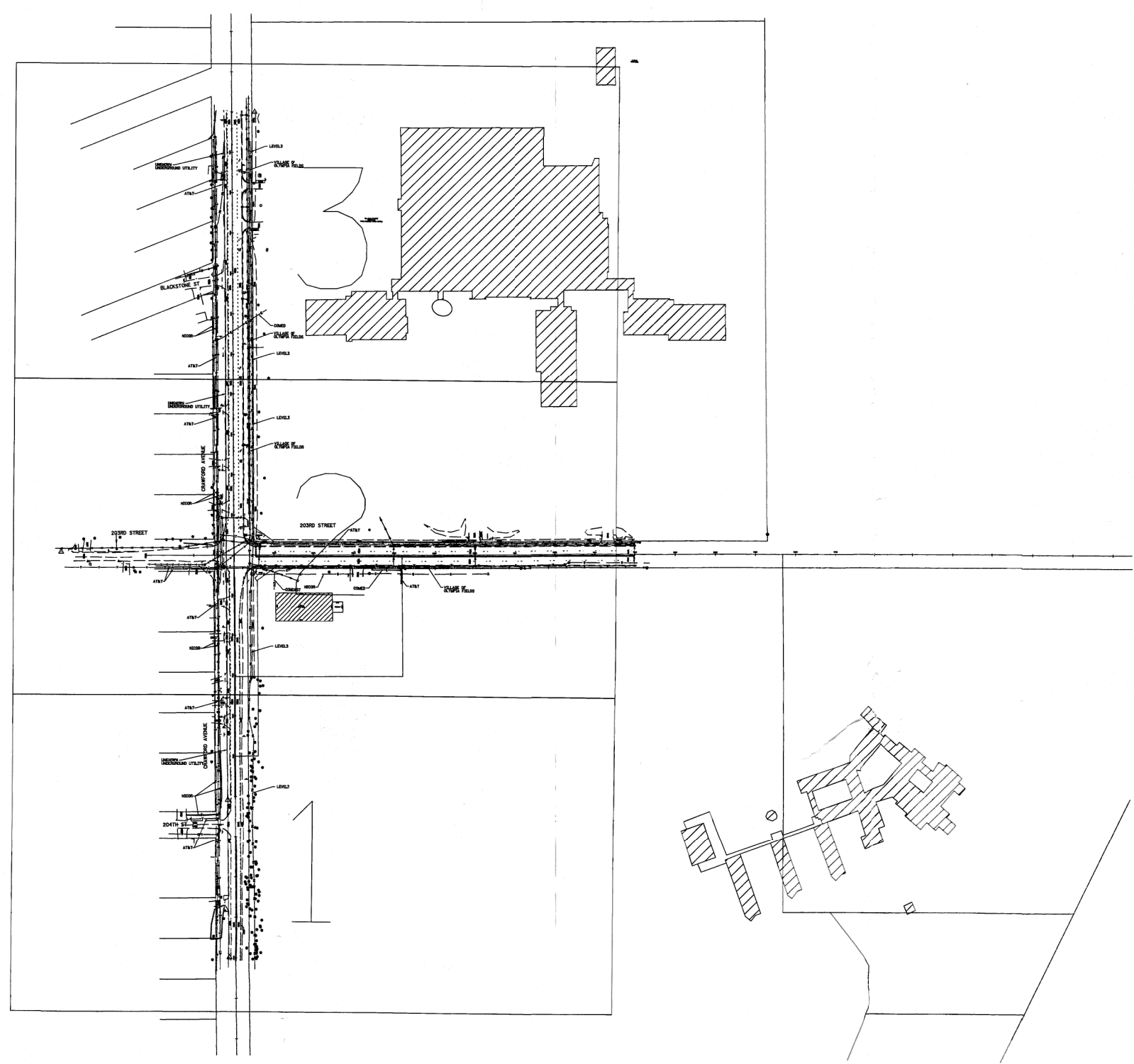
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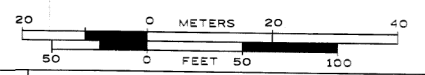
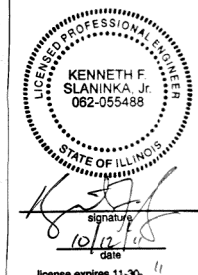
- A — A — A — AERIAL UTILITY
- UNKNOWN
- CTV — CTV — CTV — CABLE TV
- T — T — T — TELEPHONE
- G — G — G — GAS
- E — E — E — ELECTRIC
- W — W — W — WATER
- FO — FO — FO — FIBER OPTIC
- S — S — S — SEWER
- ⊕ — TBE TEST HOLE

UTILITY OWNERS

AT&T = TELEPHONE
 COMCAST = CATV
 COMED = ELECTRIC
 LEVEL3 = FIBER OPTIC
 NICOR = GAS
 VILLAGE OF OLYMPIA FIELDS = WATER

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ALL UTILITIES SHOWN QUALITY LEVEL "B"
 UNLESS NOTED OTHERWISE.



Utility Quality Level "A" : Visually Verified Test Hole
 Utility Quality Level "B" : Designating/Test Holes not Visually Verified
 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

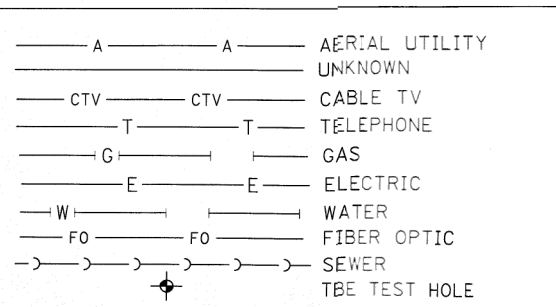
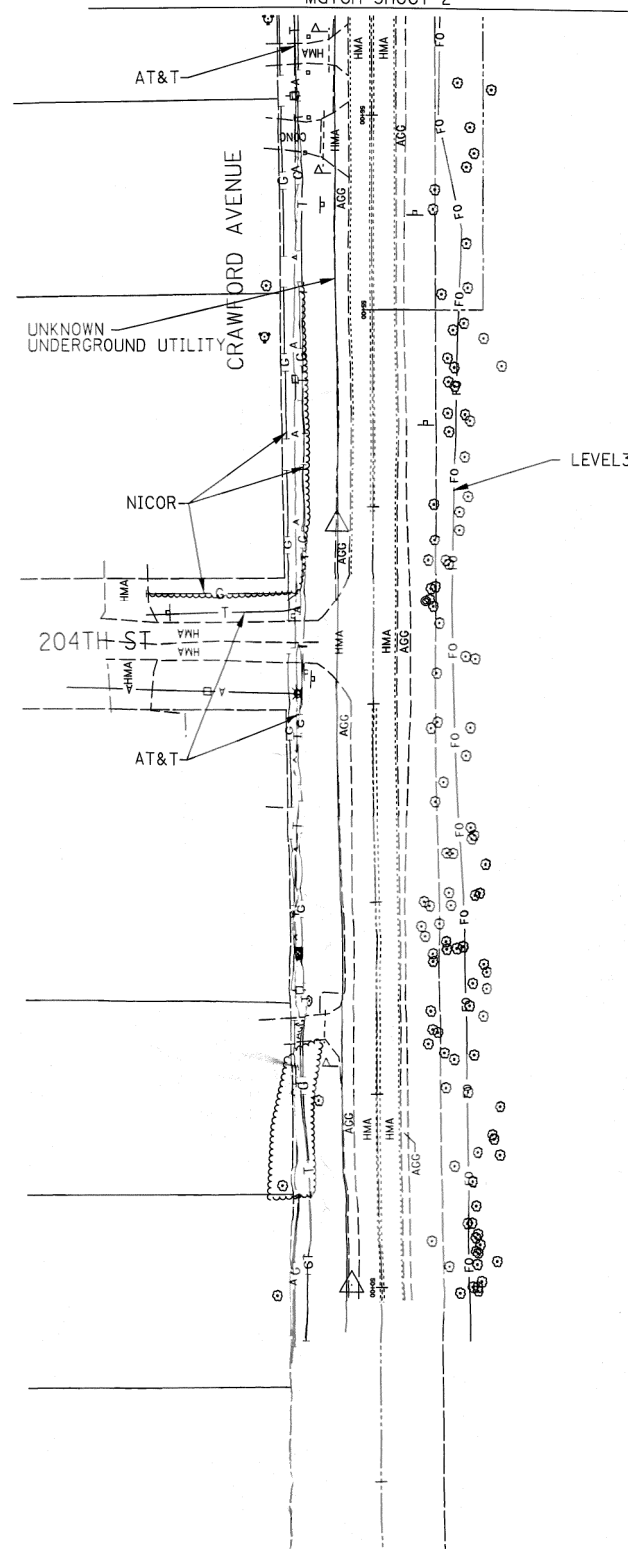
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| DESIGNED | IP | REVISED | |
| DRAWN | KLC | REVISED | |
| CHECKED | KFS | REVISED | |
| DATE | 10/10/11 | REVISED | |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUE
 CRAWFORD AVE. AT 203RD ST.

| | | | | |
|---------------------|---------|--------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | Cook | 79 | 35 |
| FED. ROAD DIST. NO. | | | ILLINOIS IDOT Project No. | |

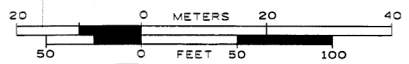
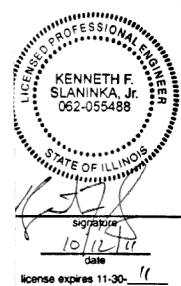
TBE Job No. IL09510456
 SUE Plan Page: COVER



| UTILITY OWNERS | |
|---------------------------|---------------|
| A+T | = TELEPHONE |
| COMCAST | = CATV |
| COMED | = ELECTRIC |
| LEVEL 3 | = FIBER OPTIC |
| NICOR | = GAS |
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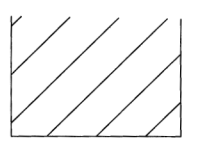
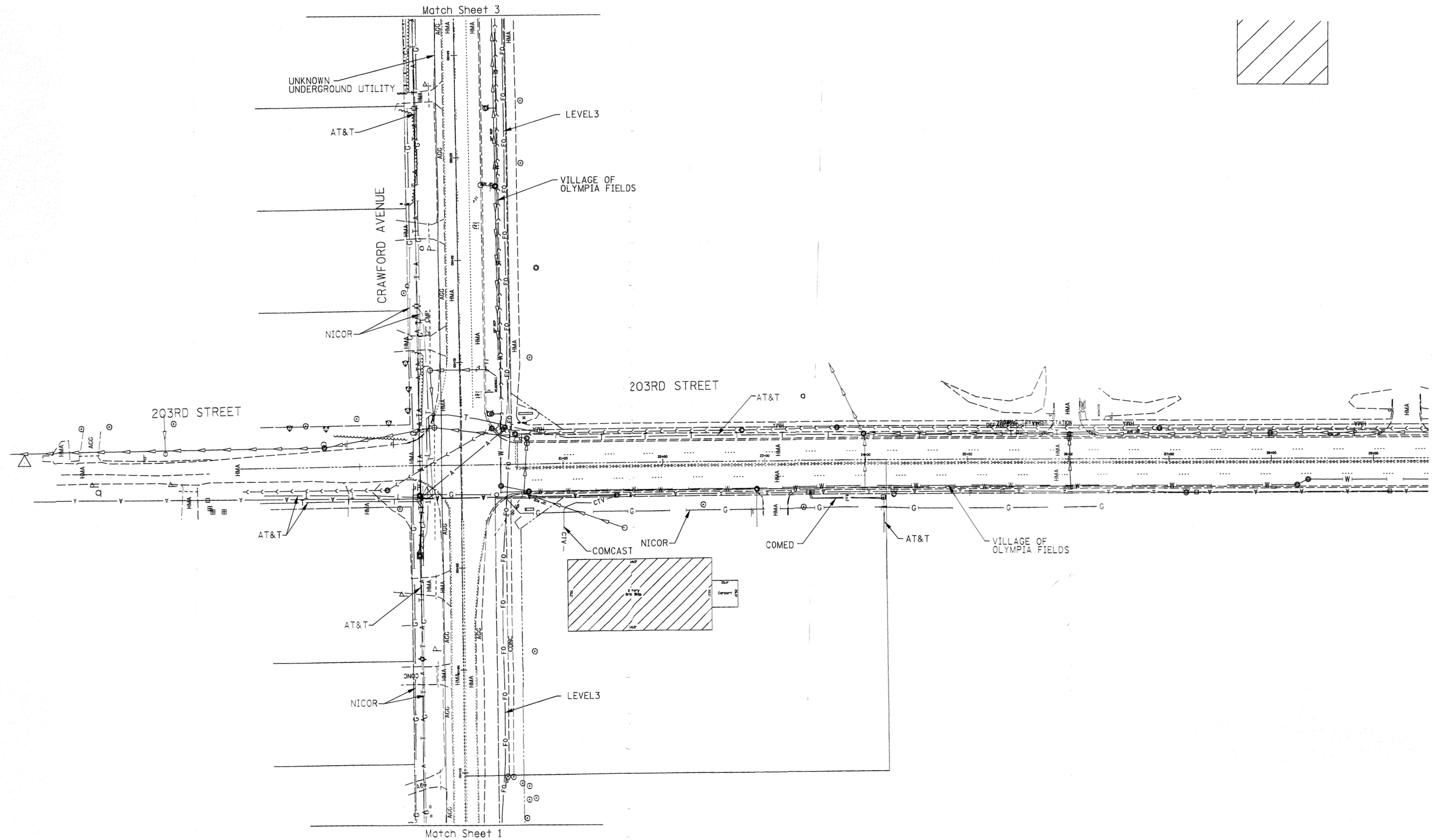
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| DRAWN | KLC | REVISED | |
| CHECKED | KFS | REVISED | |
| DATE | 10/10/11 | REVISED | |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUE
 CRAWFORD AVE. AT 203RD ST.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|--------------------|-----------|
| 3778 | 3144-R | Cook | 79 | 36 |
| FED. ROAD DIST. NO. ILLINOIS IDOT Project No. | | | Contract No. 60P05 | |

TBE Job No. IL09510456
 SUE Plan Page: 1 of 3

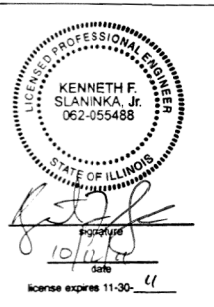


| | |
|---------------|----------------|
| — A — A — | AERIAL UTILITY |
| — — — — | UNKNOWN |
| — CTV — CTV — | CABLE TV |
| — T — T — | TELEPHONE |
| — G — G — | GAS |
| — E — E — | ELECTRIC |
| — W — W — | WATER |
| — FO — FO — | FIBER OPTIC |
| — — — — | SEWER |
| ⊕ | TBE TEST HOLE |

| UTILITY OWNERS | |
|-----------------------------------|--|
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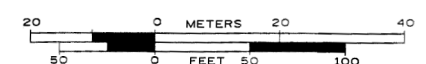


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| | | | |
|----------|----------|---------|--|
| DESIGNED | IP | REVISED | |
| DRAWN | KLC | REVISED | |
| CHECKED | KFS | REVISED | |
| DATE | 10/10/11 | REVISED | |

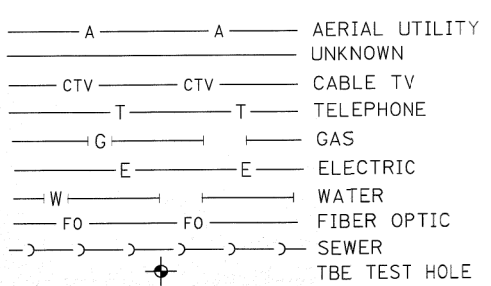
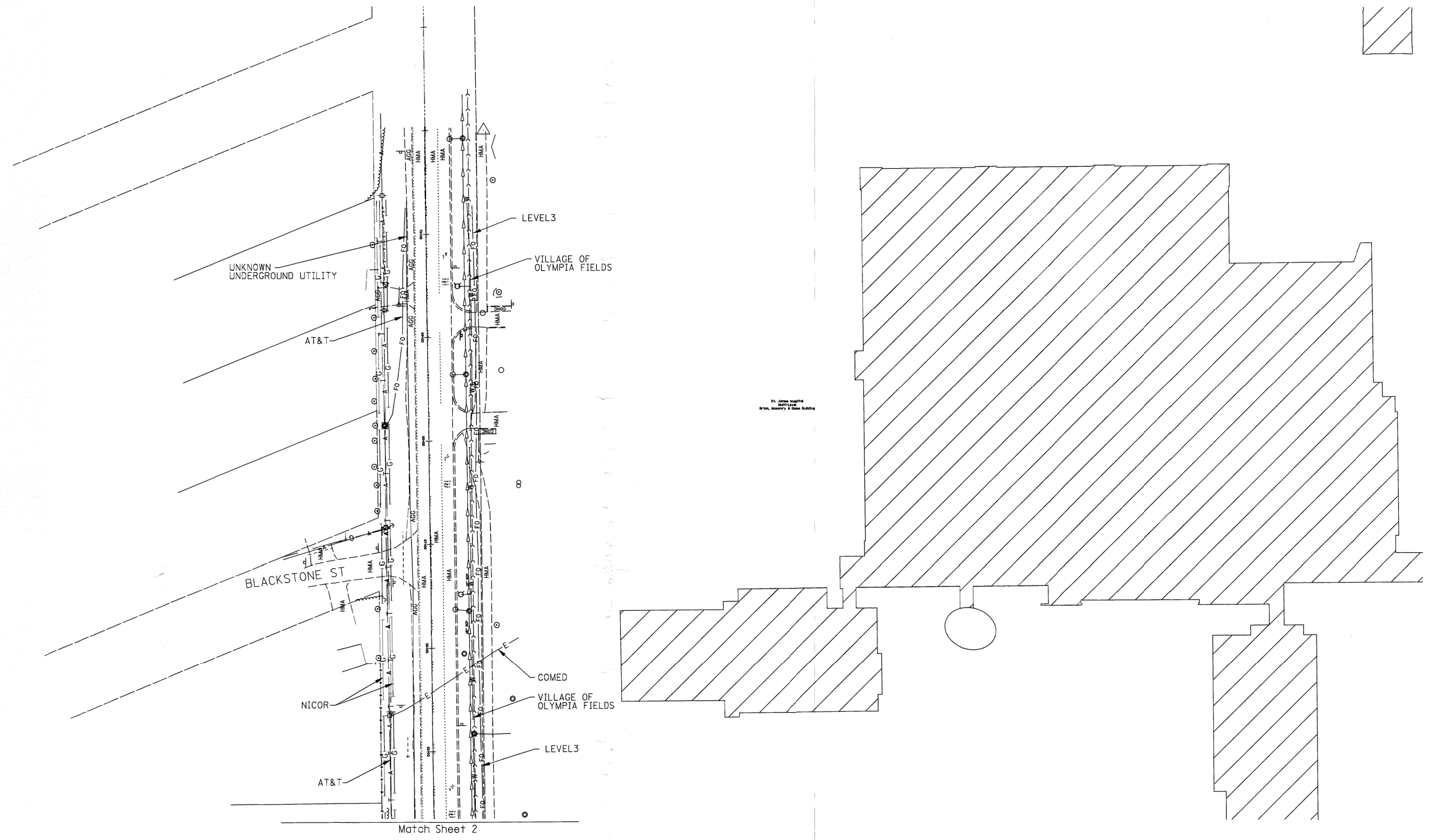
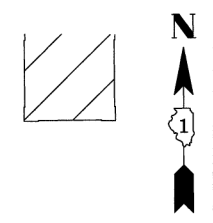
STATE OF ILLINOIS
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SUE
 CRAWFORD AVE. AT 203RD ST.



| | | | | |
|---|---------|--------|--------------------|-----------|
| F.A. U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | Cook | 79 | 37 |
| FED. ROAD DIST. NO. ILLINOIS IDOT Project No. | | | Contract No. 60P05 | |

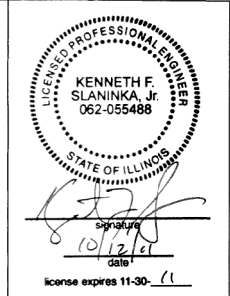
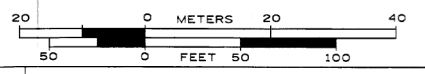
TBE Job No. IL09510456
 SUE Plan Page: 2 of 3



| UTILITY OWNERS | |
|-----------------------------------|--|
| A+T = TELEPHONE | |
| COMCAST = CATV | |
| COMED = ELECTRIC | |
| LEVEL3 = FIBER OPTIC | |
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TBE Job No. IL09510456
SUE Plan Page: 3 of 3

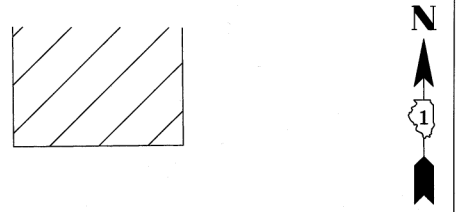
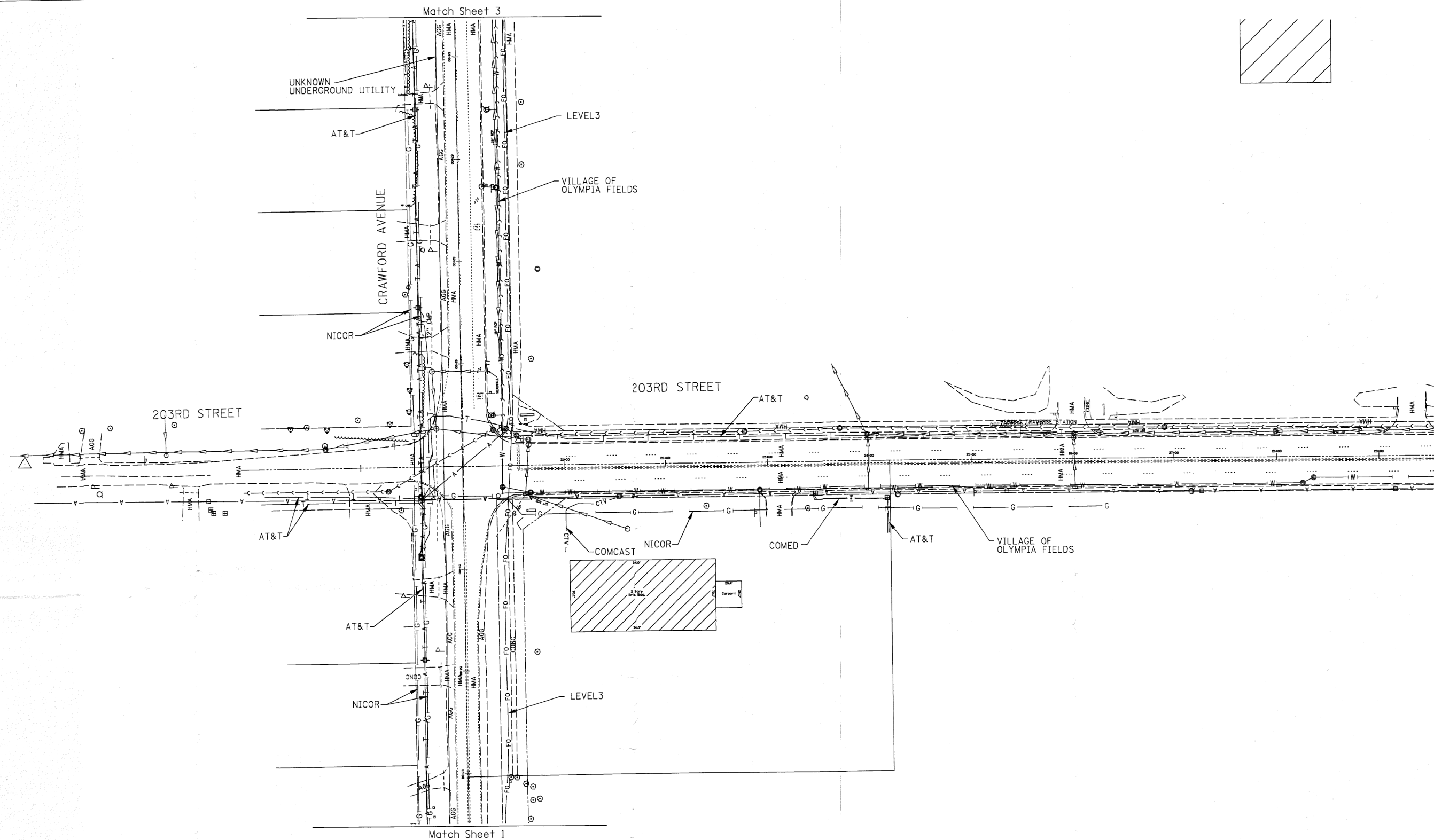
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| | |
|----------------------|---------|
| DESIGNED <i>JP</i> | REVISED |
| DRAWN <i>KLC</i> | REVISED |
| CHECKED <i>KFS</i> | REVISED |
| DATE <i>10/10/11</i> | REVISED |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUE
CRAWFORD AVE. AT 203RD ST.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|--------------|-----------|
| 3778 | 3144-R | Cook | 79 | 38 |
| Contract No. 60P05 | | | | |
| FED. ROAD DIST. NO. ILLINOIS IDOT Project No. | | | | |



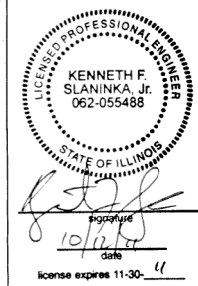
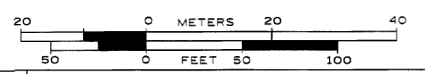
- A — A — AERIAL UTILITY
- UNKNOWN — UNKNOWN
- CTV — CTV — CABLE TV
- T — T — TELEPHONE
- G — G — GAS
- E — E — ELECTRIC
- W — W — WATER
- FO — FO — FIBER OPTIC
-) —) — SEWER
- ⊕ TBE TEST HOLE

UTILITY OWNERS

AT&T = TELEPHONE
 COMCAST = CATV
 COMED = ELECTRIC
 LEVEL3 = FIBER OPTIC
 NICOR = GAS
 VILLAGE OF OLYMPIA FIELDS = WATER

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 9/27/11 through 10/03/11. Changes to utilities after 10/03/11 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



Utility Quality Level "A" : Visually Verified Test Hole
 Utility Quality Level "B" : Designating/Test Holes not Visually Verified
 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

| | | |
|----------|----------|---------|
| DESIGNED | IP | REVISED |
| DRAWN | KLC | REVISED |
| CHECKED | KFS | REVISED |
| DATE | 10/10/11 | REVISED |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUE
 CRAWFORD AVE. AT 203RD ST.

| | | | | |
|---------------------|---------|--------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | Cook | 79 | 38A |
| FED. ROAD DIST. NO. | | | ILLINOIS IDOT Project No. | |

TBE Job No. IL09510456
 SUE Plan Page: 2 of 3

Contract No. 60P05

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

ROUTE: FAU 3778 CRAWFORD AVENUE

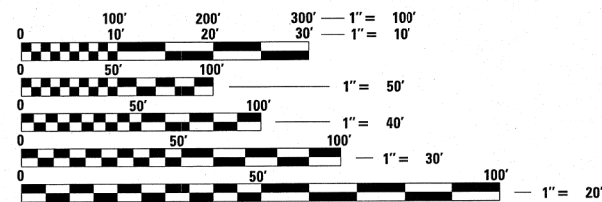
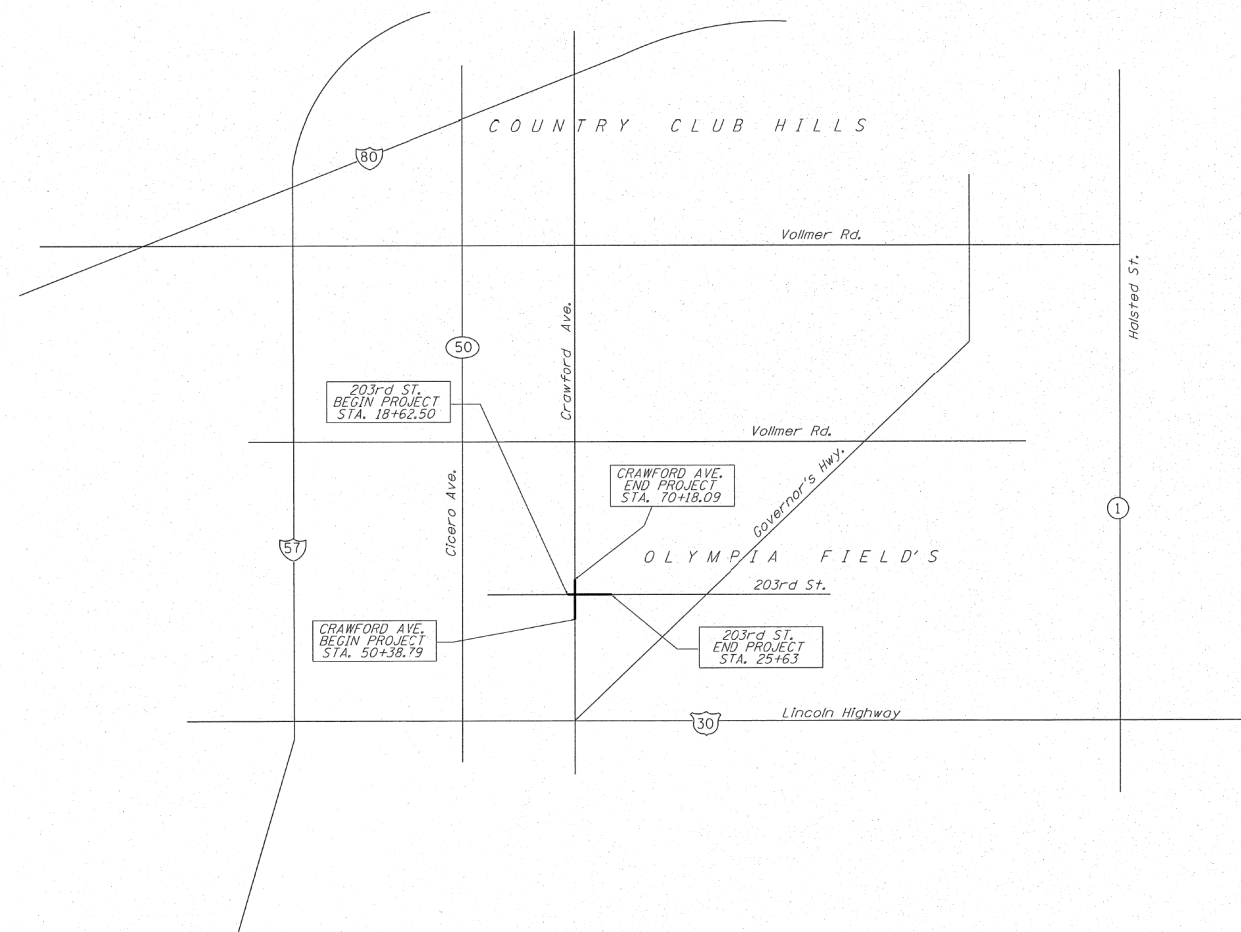
SECTION:

JOB NO.: R90-037-01

COUNTY: COOK

LIMITS: AT 203rd STREET

| | | | | |
|-----------------------|---------|----------------|--------------------|----------------|
| F.A.U. RTE. 3778 | SECTION | COUNTY COOK | TOTAL SHEETS 4 | SHEET NO. 1 |
| FED. ROAD DIST. NO. - | | ILLINOIS | CONTRACT NO. _____ | |



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

PROJECT ENGINEER
PROJECT MANAGER

CONTRACT NO. _____

CRAWFORD AVE. PROJECT LENGTH = 1979.30 L.F. = 0.37 MILE
203rd ST. PROJECT LENGTH = 700.50 L.F. = 0.13 MILE

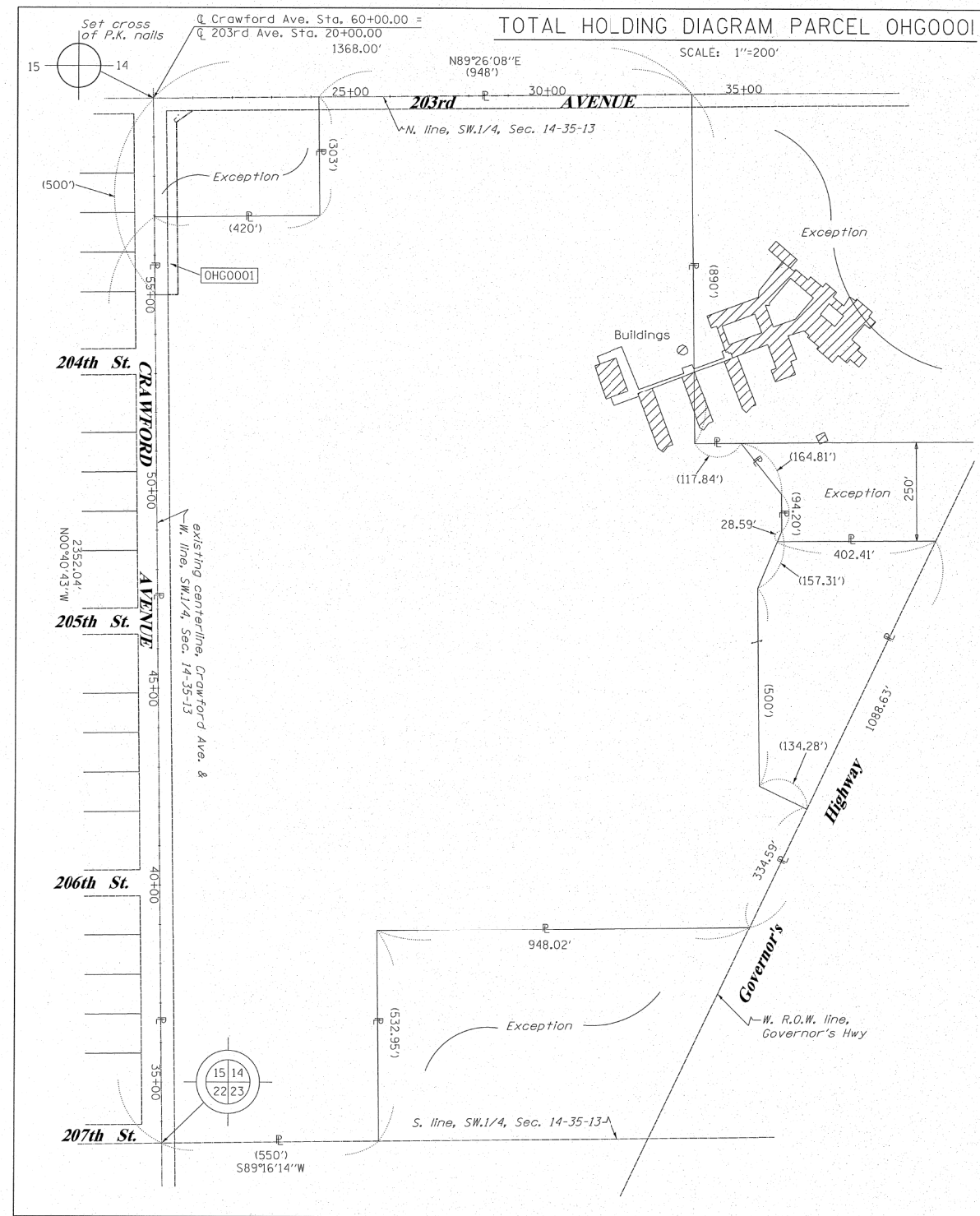
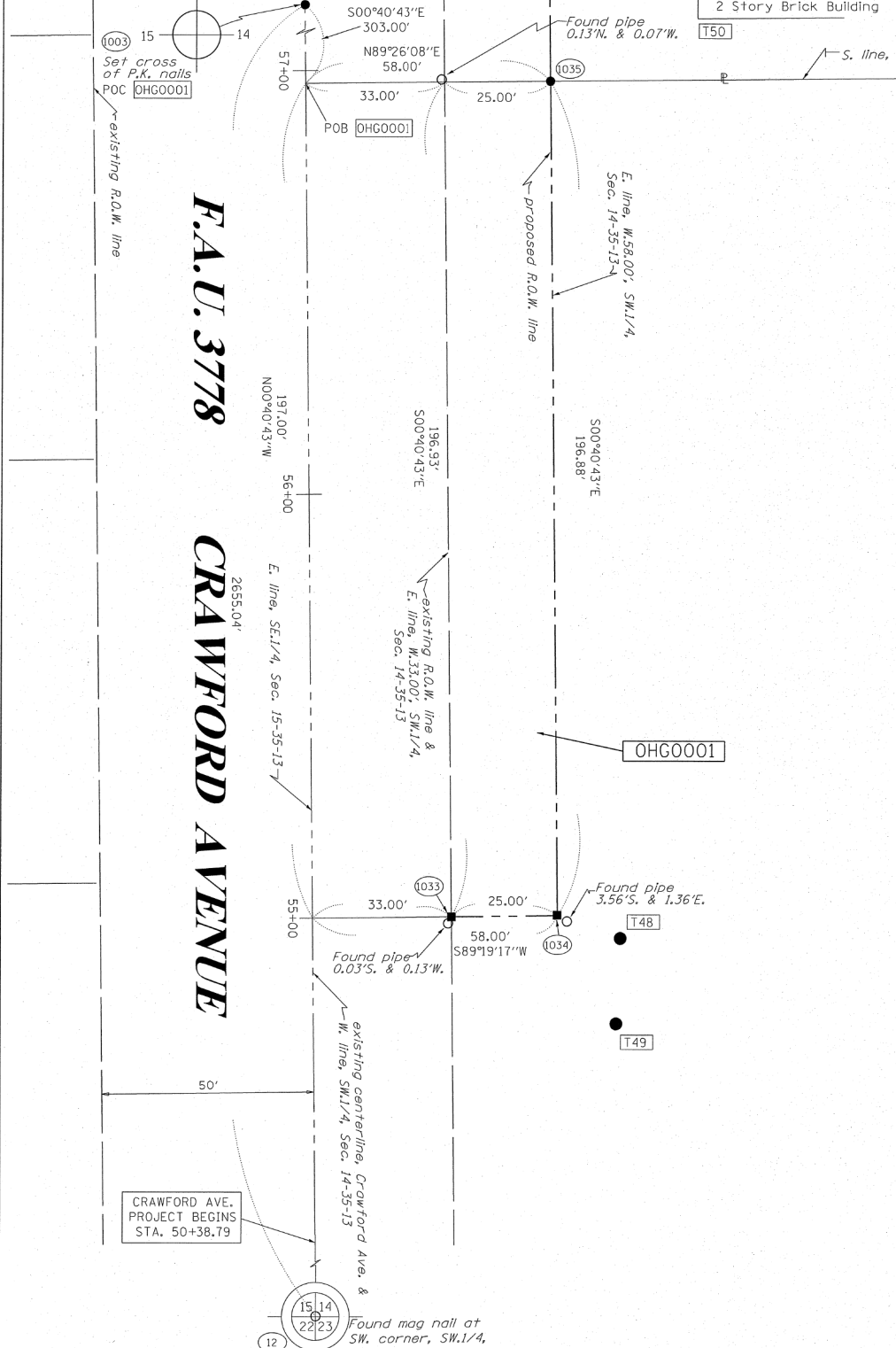
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PLATS & LEGALS

RJETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101

| | |
|---|----------|
| APPROVED _____ | 20 _____ |
| LOCAL AGENCY OFFICIAL | |
| APPROVED _____ | 20 _____ |
| ENGINEER OF LAND ACQUISITION | |
| APPROVED _____ | 20 _____ |
| ENGINEER OF LOCAL ROADS & STREETS | |
| APPROVED _____ | 20 _____ |
| DISTRICT ENGINEER | |
| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | |

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

PART OF THE SW.1/4 OF SECTION 14, TWP.35N., R.13E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE
FEET
0 50,100
20,40
30,60
SCALE: 1" = 20'

COORDINATE TABLE

| STATION | OFFSET | PT# | NORTH | EAST |
|----------|------------|------|-------------|-------------|
| 60+00.00 | 0.00' RT. | 1003 | 1765930.932 | 1154120.954 |
| 55+00.00 | 33.00' RT. | 1033 | 1768086.213 | 1154128.433 |
| 55+00.00 | 58.00' RT. | 1034 | 1768086.509 | 1154153.431 |
| 56+96.88 | 58.00' RT. | 1035 | 1768283.379 | 1154151.100 |

REFERENCE TIE TABLE

| FROM | BEARING/ANGLE | DISTANCE | TO | DESCRIPTION |
|------|---------------|----------|----|----------------------------|
| 1033 | SE 82 50'54" | 40.18 | 48 | REBAR WITH CAP |
| 1033 | SE 57 04'53" | 46.38 | 49 | REBAR WITH CAP |
| 1033 | NE 11 06'57" | 343.51 | 50 | CORNER 2 STORY BRICK BLDG. |
| 1034 | SE 70 23'06" | 15.78 | 48 | REBAR WITH CAP |
| 1034 | SE 28 39'00" | 29.06 | 49 | REBAR WITH CAP |
| 1034 | NE 06 58'46" | 339.28 | 50 | CORNER 2 STORY BRICK BLDG. |

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT ACRES | AREA SQUARE FEET | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|---|----------------------|------------------|-------------------------------|----------------------|----------------|------------------|------------------|------------------------|----------------------|
| OHG0001 | FRANCISCAN ALLIANCE, INC. FORMERLY KNOWN AS SISTERS OF ST. FRANCIS HEALTH SERVICES, INC., D/B/A ST. JAMES HOSPITAL AND HEALTH CENTERS | 79.808 | 0.262 | 0.149 | 79.546 | N/A | N/A | N/A | 31-14-300-006 | |

RECEIVED
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PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101

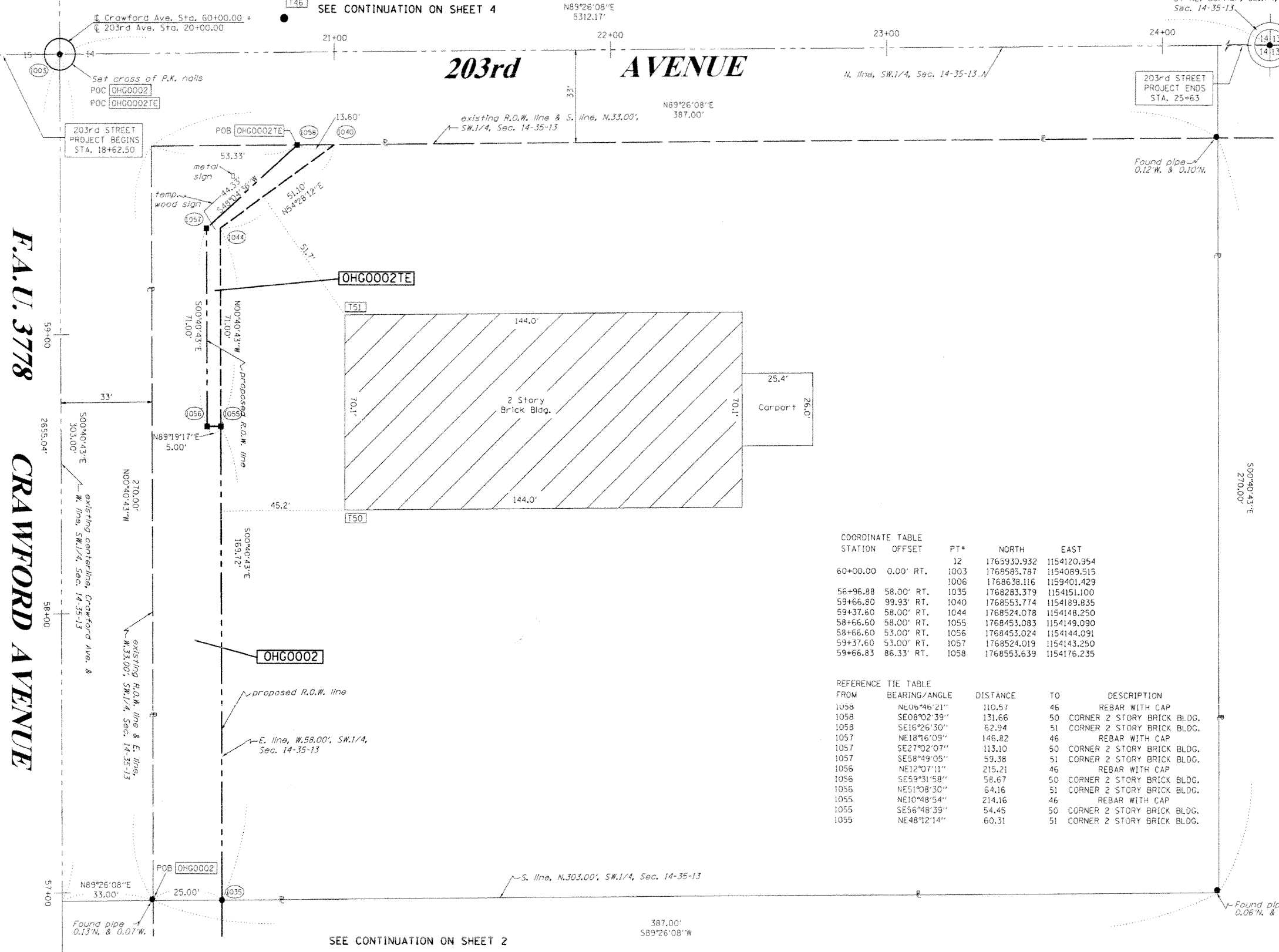
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 3778 CRAWFORD AVENUE

LIMITS: @ 203rd STREET COUNTY: COOK
PROJECT JOB NO.: R90-037-01
STATION 55+00 TO STATION 57+00
SCALE: 1"=20' SHEET 2 OF 4

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

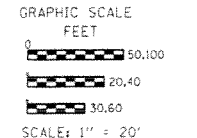
PART OF THE SW.1/4 OF SECTION 14, TWP.35N., R.13E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

SEE CONTINUATION ON SHEET 4



LEGEND

- SECTION LINE
- - - QUARTER SECTION LINE
- - - QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- - - EXISTING CENTERLINE
- - - PROPOSED CENTERLINE
- - - EXISTING RIGHT OF WAY LINE
- - - PROPOSED RIGHT OF WAY LINE
- - - PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- 129.32' RECORDED DIMENSION
- EXISTING BUILDING



Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, RONALD F. HODGEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2630
LICENSE EXPIRATION DATE: 11-30-2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RT & A Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • G.I.S. Consultants
129 CAUFIELD DRIVE • BLOOMINGDALE, ILLINOIS 60404
TEL: (815) 744-5600 FAX: (815) 744-0101
website: www.ruettigertonnelli.com
R.T. & A. Dwg. No.: 310-1337

COORDINATE TABLE

| STATION | OFFSET | PT# | NORTH | EAST |
|----------|------------|------|-------------|-------------|
| 60+00.00 | 0.00' RT. | 1003 | 1765930.932 | 1154120.954 |
| | | 1006 | 1768585.787 | 1154089.515 |
| | | 1036 | 1768638.116 | 1159401.429 |
| 56+96.88 | 58.00' RT. | 1035 | 1768283.379 | 1154151.100 |
| 59+66.80 | 99.93' RT. | 1040 | 1768553.774 | 1154189.835 |
| 59+37.60 | 58.00' RT. | 1044 | 1768524.078 | 1154148.250 |
| 58+66.60 | 58.00' RT. | 1055 | 1768453.083 | 1154149.090 |
| 58+66.60 | 53.00' RT. | 1056 | 1768453.024 | 1154144.091 |
| 59+37.60 | 53.00' RT. | 1057 | 1768524.019 | 1154143.250 |
| 59+66.83 | 86.33' RT. | 1058 | 1768553.639 | 1154176.235 |

REFERENCE TIE TABLE

| FROM | BEARING/ANGLE | DISTANCE | TO | DESCRIPTION |
|------|---------------|----------|----|----------------------------|
| 1058 | NE06°46'21" | 110.57 | 46 | REBAR WITH CAP |
| 1058 | SE08°02'39" | 131.66 | 50 | CORNER 2 STORY BRICK BLDG. |
| 1058 | SE16°26'30" | 62.94 | 51 | CORNER 2 STORY BRICK BLDG. |
| 1057 | NE18°16'09" | 146.82 | 46 | REBAR WITH CAP |
| 1057 | SE27°02'07" | 113.10 | 50 | CORNER 2 STORY BRICK BLDG. |
| 1057 | SE58°49'05" | 59.38 | 51 | CORNER 2 STORY BRICK BLDG. |
| 1056 | NE12°07'11" | 215.21 | 46 | REBAR WITH CAP |
| 1056 | SE59°31'58" | 58.67 | 50 | CORNER 2 STORY BRICK BLDG. |
| 1056 | NE51°08'30" | 64.16 | 51 | CORNER 2 STORY BRICK BLDG. |
| 1055 | NE10°48'54" | 214.16 | 46 | REBAR WITH CAP |
| 1055 | SE56°48'39" | 54.45 | 50 | CORNER 2 STORY BRICK BLDG. |
| 1055 | NE48°12'14" | 60.31 | 51 | CORNER 2 STORY BRICK BLDG. |

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT ACRES | AREA SQUARE FEET | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|----------------------|----------------------|------------------|-------------------------------|----------------------|----------------|------------------|------------------------|------------------------|----------------------|
| OHG0002 | FRANK COSTA III, LLC | 2.399 | 0.155 | N/A | 2.244 | 0.014 | 627 | TEMPORARY CONSTRUCTION | 31-14-300-005 | |

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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 3778 CRAWFORD AVENUE

LIMITS: @ 203rd STREET COUNTY: COOK
PROJECT JOB NO.: R90-037-01
STATION 56+50 TO STATION 60+00
SCALE: 1"=20' SHEET 3 OF 4

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE NW.1/4 OF SECTION 14, TWP.35N., R.13E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA | | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|--|----------------------|------------------|-------------------------------|----------------------|---------------|-------------|------------------|---|----------------------|
| | | | | | | ACRES | SQUARE FEET | | | |
| OHG0003 | SISTER OF ST. FRANCIS HEALTH SERVICES, INC. AN INDIANA NONPROFIT CORPORATION | 46.698 | 0.021 | N/A | 46.677 | N/A | N/A | N/A | 31-14-100-004 31-14-100-002 31-14-100-005 | |

LEGEND

SECTION LINE
 QUARTER SECTION LINE
 QUARTER, QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
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 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
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 EXISTING BUILDING

GRAPHIC SCALE
 FEET
 0 50,100
 20,40
 30,60
 SCALE: 1" = 20'

Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
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- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, RONALD F. HODGEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2630
 LICENSE EXPIRATION DATE: 11-30-2014

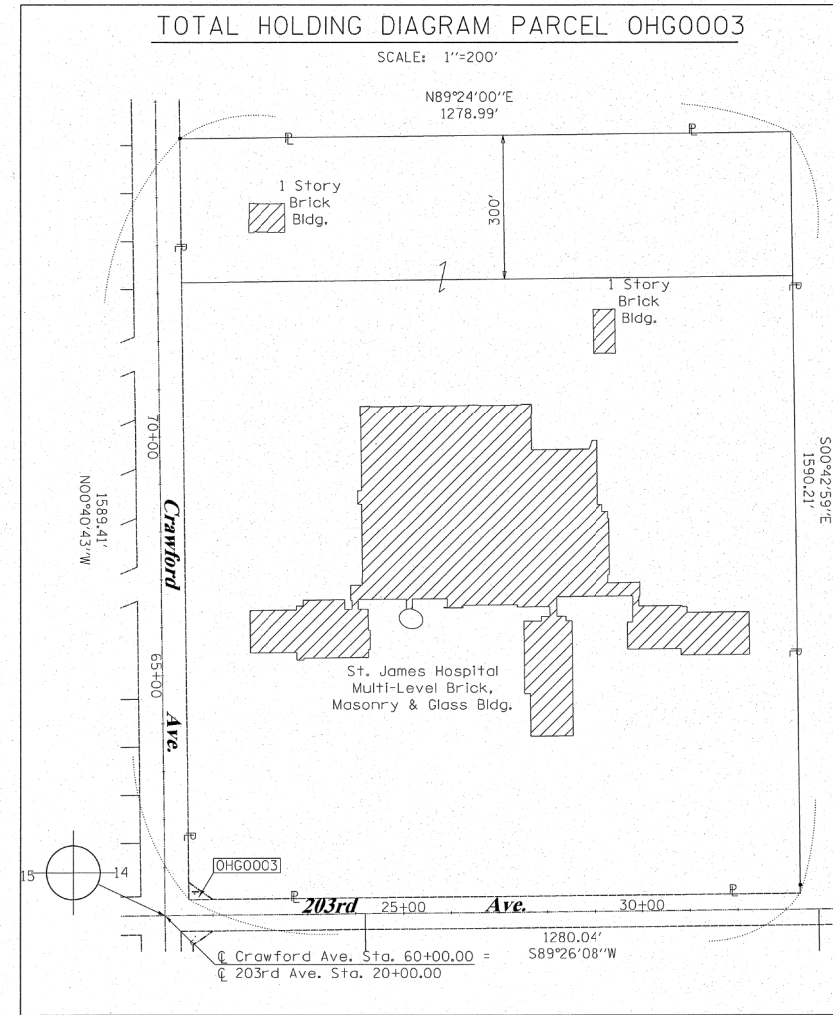
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RUETTIGER, TONELLI & ASSOCIATES, INC.
 Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
 2174 ONEIDA STREET
 JOLIET, ILLINOIS 60435
 PH (815) 744-6600 FAX (815) 744-0101

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 3778 CRAWFORD AVENUE

LIMITS: @ 203rd STREET COUNTY: COOK
 PROJECT JOB NO.: R90-037-01
 STATION 60+00 TO STATION 63+00
 SCALE: 1"=20' SHEET 4 OF 4

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

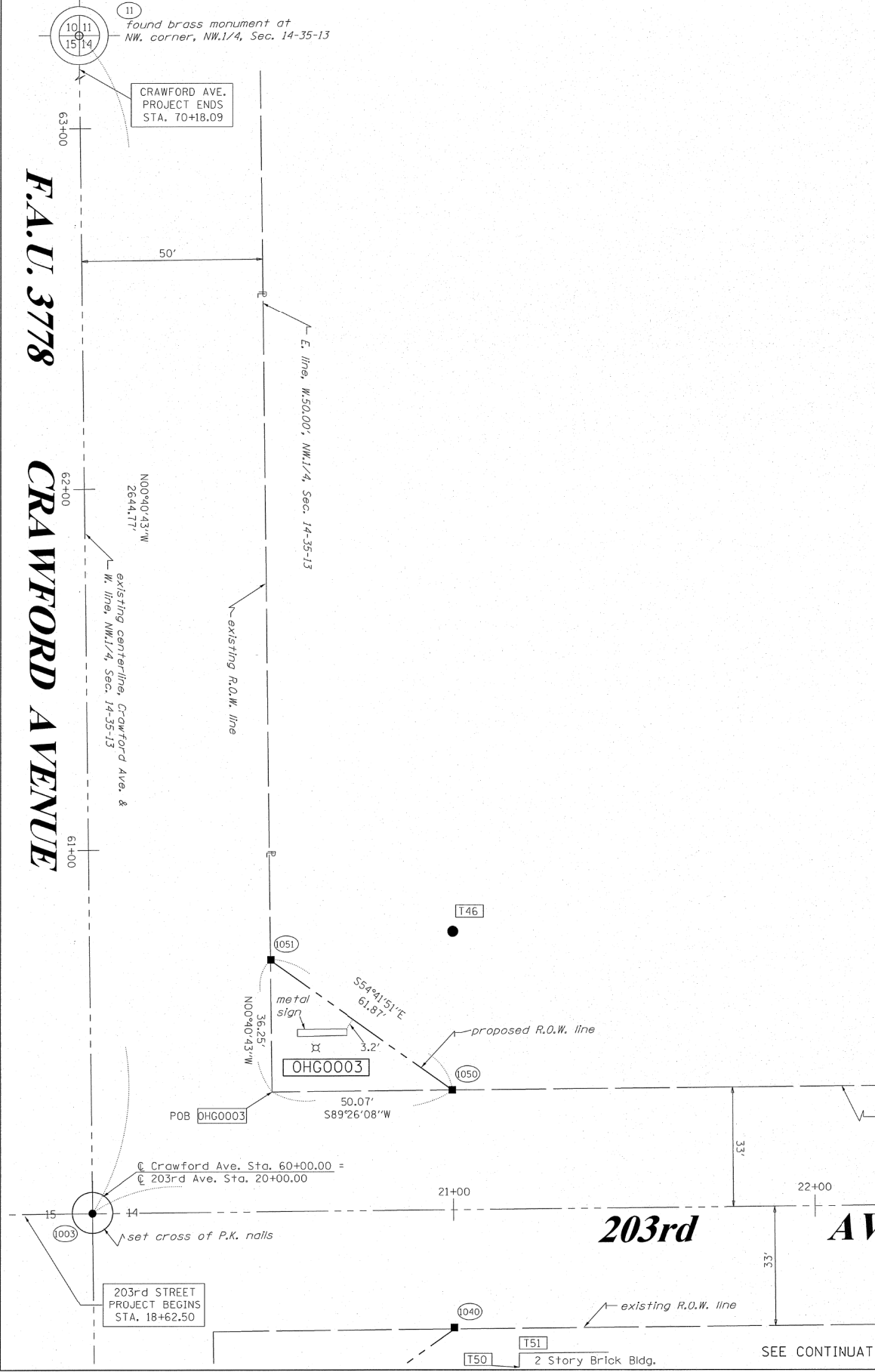


COORDINATE TABLE

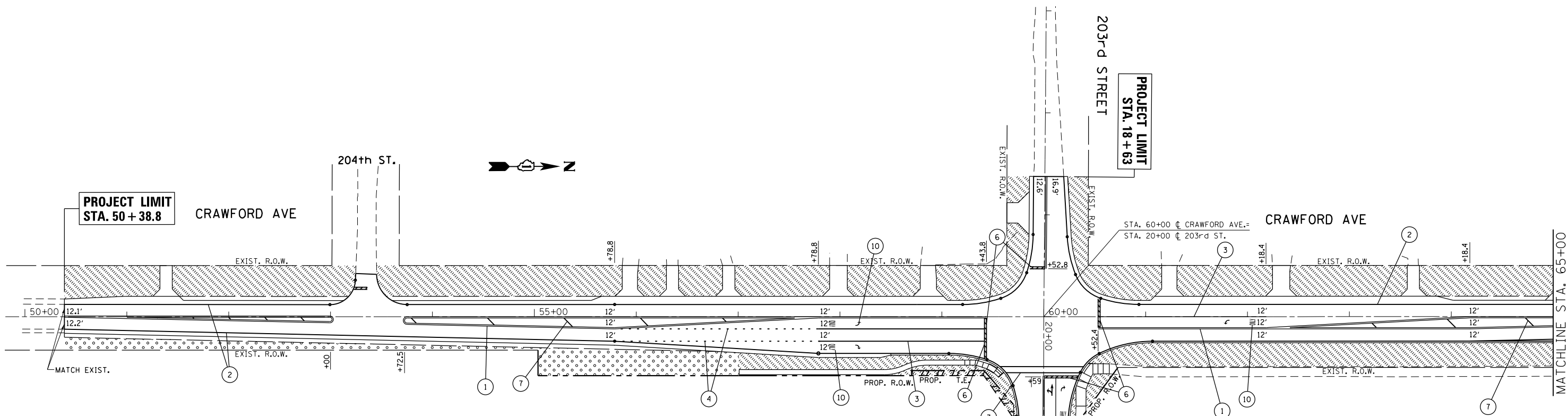
| STATION | OFFSET | PT# | NORTH | EAST |
|----------|-------------|------|-------------|-------------|
| 60+00.00 | 0.00' RT. | 11 | 1771230.368 | 1154058.197 |
| | | 1003 | 1768585.787 | 1154089.515 |
| | | 1006 | 1768638.116 | 1159401.429 |
| 60+32.80 | 100.07' RT. | 1050 | 1768619.770 | 1154189.185 |
| 60+69.15 | 50.00' RT. | 1051 | 1768655.524 | 1154138.692 |

REFERENCE TIE TABLE

| FROM | BEARING/ANGLE | DISTANCE | TO | DESCRIPTION |
|------|---------------|----------|----|----------------------------|
| 1050 | NE 00 07'02" | 43.66 | 46 | REBAR WITH CAP |
| 1050 | SE 02 12'08" | 126.59 | 51 | CORNER 2 STORY BRICK BLDG. |
| 1051 | SE 03 59'05" | 51.20 | 46 | REBAR WITH CAP |
| 1051 | NE 16 24'14" | 238.90 | 50 | CORNER 2 STORY BRICK BLDG. |
| 1051 | SE 18 50'20" | 171.43 | 51 | CORNER 2 STORY BRICK BLDG. |



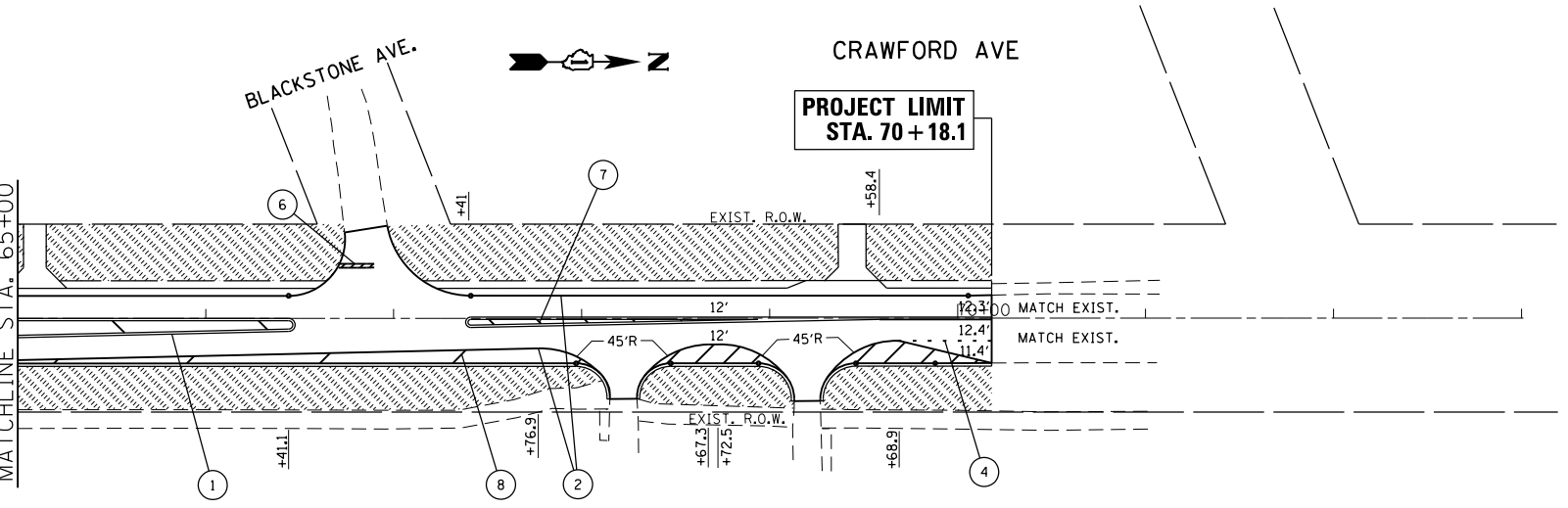
RECEIVED
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 PLATS & LEGALS



LANDSCAPING LEGEND

- TOPSOIL FURNISH AND PLACE, 4"
- SODDING, SALT TOLERANT
- TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 2A
- EROSION CONTROL BLANKET

| SCHEDULE OF QUANTITIES | | | |
|---------------------------------|---------------------|---------------------|----------------|
| ITEM | SODDING (60 LBS/AC) | SEEDING (90 LBS/AC) | QUANTITY (LBS) |
| NITROGEN FERTILIZER NUTRIENT | 111 | 18 | 129 |
| PHOSPHOROUS FERTILIZER NUTRIENT | 111 | 18 | 129 |
| POTASSIUM FERTILIZER NUTRIENT | 111 | 18 | 129 |



| SCHEDULE OF QUANTITIES | | |
|-------------------------------|---------|----------|
| ITEM | UNIT | QUANTITY |
| TOPSOIL FURNISH AND PLACE, 4" | SO. YD. | 9,831 |
| SODDING, SALT TOLERANT | SO. YD. | 8,886 |
| SEEDING, CLASS 2A | AC | 0,195 |
| EROSION CONTROL BLANKET | SO. YD. | 945 |
| SUPPLEMENTAL WATERING | UNIT | 445 |

NOTES:

1. ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13) DETAIL.
2. ALL FINAL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) DETAIL.

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING, 4" DOUBLE YELLOW LINE, 11" C-C (TYP.)
- ② THERMOPLASTIC PAVEMENT MARKING, 4" WHITE EDGE LINE (TYP.)
- ③ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE LINE (TYP.)
- ④ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE DOTTED LINE (6' SKIP 2' DASH) (TYP.)
- ⑤ THERMOPLASTIC PAVEMENT MARKING, 6" WHITE DOTTED LINE (9' SKIP 3' DASH) (TYP.)
- ⑥ THERMOPLASTIC PAVEMENT MARKING, 24" WHITE STOP BAR (TYP.)
- ⑦ THERMOPLASTIC PAVEMENT MARKING, 12" YELLOW DIAGONALS (TYP.)
- ⑧ THERMOPLASTIC PAVEMENT MARKING, 12" WHITE DIAGONALS (TYP.)
- ⑨ THERMOPLASTIC PAVEMENT MARKING, 4" WHITE LINE (30' SKIP 10' DASH) (TYP.)
- ⑩ THERMOPLASTIC PAVEMENT MARKING, LETTERS & SYMBOLS (TYP.)



203rd STREET
RESURFACING ONLY

PROJECT LIMIT
STA. 25 + 69



TRAFFIC SIGNAL LEGEND

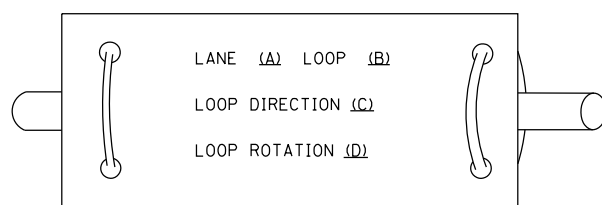
| ITEM | REMOVAL | EXISTING | PROPOSED | ITEM | REMOVAL | EXISTING | PROPOSED | ITEM | REMOVAL | EXISTING | PROPOSED | | | | | | | | | | | | | | | | | |
|---|----------|----------|----------|---|---------|----------|----------|---|---------|----------|----------|----------|----------|--------------------------|--|--|------------------------------|--|--|-----------------|--|--|---------------|--|--|-----------|--|--|
| 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 | | | | | | | | | | | | | | | | | | | | |
| UNINTERRUPTIBLE 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 | | CONTROLLER CABINET AND FOUNDATION TO BE REMOVED | | | | | | | | | | | | | | | | | | | | |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA | | | | INTERSECTION ITEM | | I | | 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 | | | | <h2 style="margin: 0;">RAILROAD SYMBOLS</h2> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%;">EXISTING</th> <th style="width: 25%;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td>RAILROAD CONTROL CABINET</td> <td></td> <td></td> </tr> <tr> <td>RAILROAD CANTILEVER MAST ARM</td> <td></td> <td></td> </tr> <tr> <td>FLASHING SIGNAL</td> <td></td> <td></td> </tr> <tr> <td>CROSSING GATE</td> <td></td> <td></td> </tr> <tr> <td>CROSSBUCK</td> <td></td> <td></td> </tr> </tbody> </table> | | | | EXISTING | PROPOSED | RAILROAD CONTROL CABINET | | | RAILROAD CANTILEVER MAST ARM | | | FLASHING SIGNAL | | | CROSSING GATE | | | CROSSBUCK | | |
| | EXISTING | PROPOSED | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RAILROAD CONTROL CABINET | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RAILROAD CANTILEVER MAST ARM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FLASHING SIGNAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CROSSING GATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CROSSBUCK | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR | | | | 12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID | | | | | | | | | | | | | | | | | | | | | | | | |
| ILLUMINATED SIGN "NO LEFT TURN" | | | | PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER | | | | | | | | | | | | | | | | | | | | | | | | |
| ILLUMINATED SIGN "NO RIGHT TURN" | | | | RADIO INTERCONNECT | | | | | | | | | | | | | | | | | | | | | | | | |
| DETECTOR LOOP, TYPE I | | | | RADIO REPEATER | | | | | | | | | | | | | | | | | | | | | | | | |
| PREFORMED DETECTOR LOOP | | | | DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED | | | | | | | | | | | | | | | | | | | | | | | | |
| MICROWAVE VEHICLE SENSOR | | | | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) | | | | | | | | | | | | | | | | | | | | | | | | |
| VIDEO DETECTION CAMERA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VIDEO DETECTION ZONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAN, TILT, ZOOM CAMERA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIRELESS DETECTOR SENSOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WIRELESS ACCESS POINT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TS SHT NO. 1

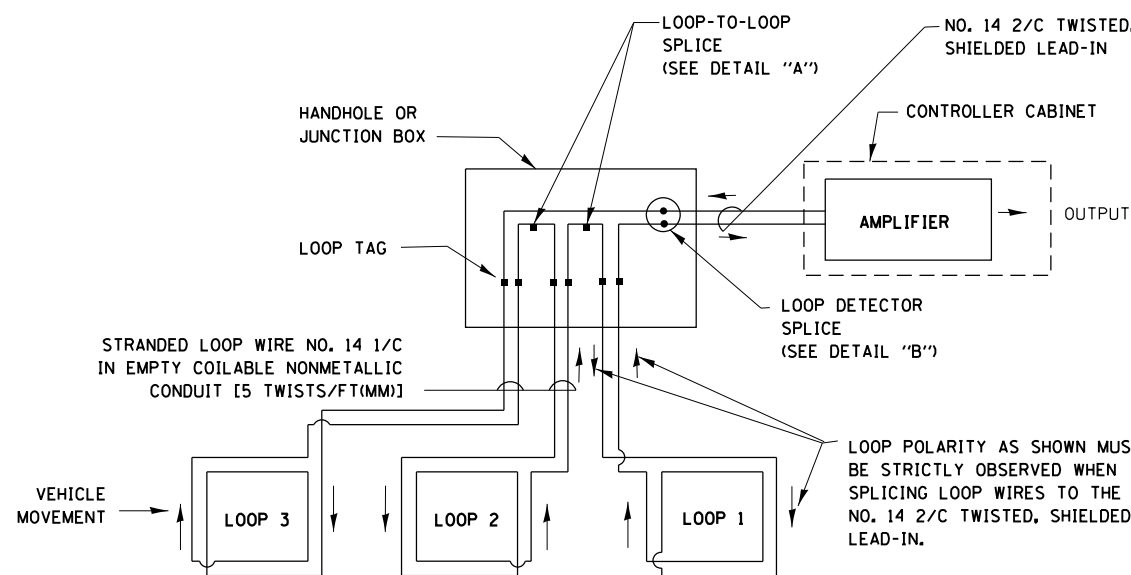
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

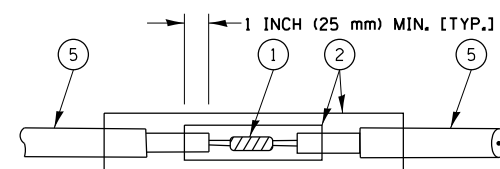


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

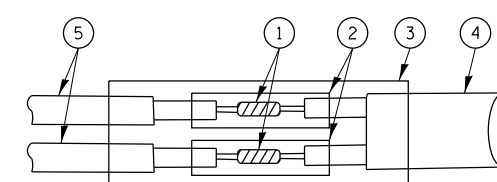


DETECTOR LOOP WIRING SCHEMATIC

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

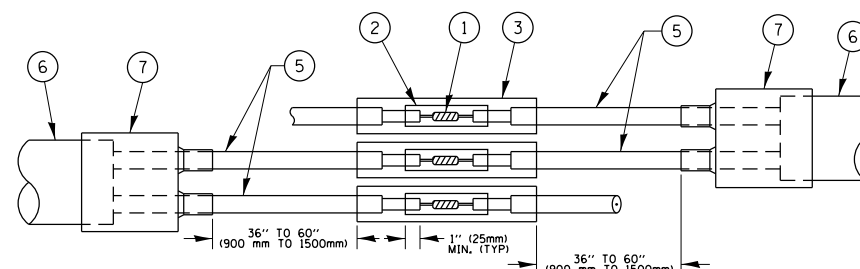


DETAIL "A"
LOOP-TO-LOOP SPLICE

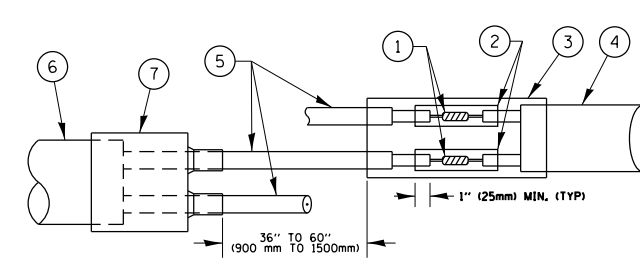


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

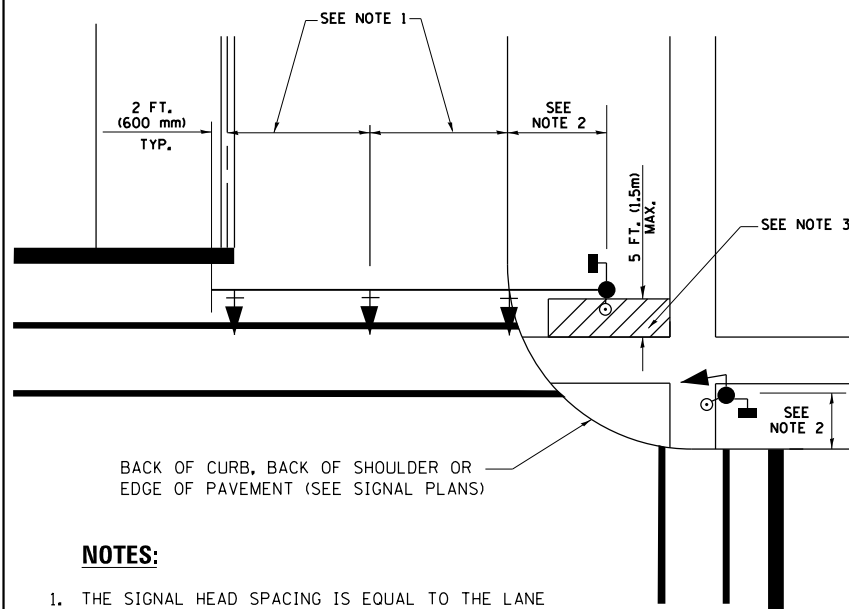
- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER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

TS SHT NO. 2

| | | | | | | | | | | |
|--|------------------------------|------------|-----------|---|--|--------------|---------|---------------------------|--------------|--------------|
| FILE NAME = | USER NAME = parayno1 | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\IL\084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P142599\Design\PI42599-shr-Design.dgn | | CHECKED - | REVISED - | | | 3778 | 3144-R | COOK | 79 | 44 |
| Default | PLOT SCALE = 100.0003' / in. | DATE - | REVISED - | | | TS-05 | | CONTRACT NO. 60P05 | | |
| | PLOT DATE = 4/3/2017 | | | | | SCALE: NONE | | SHEET 2 OF 7 SHEETS | | STA. TO STA. |

ILLINOIS FED. AID PROJECT

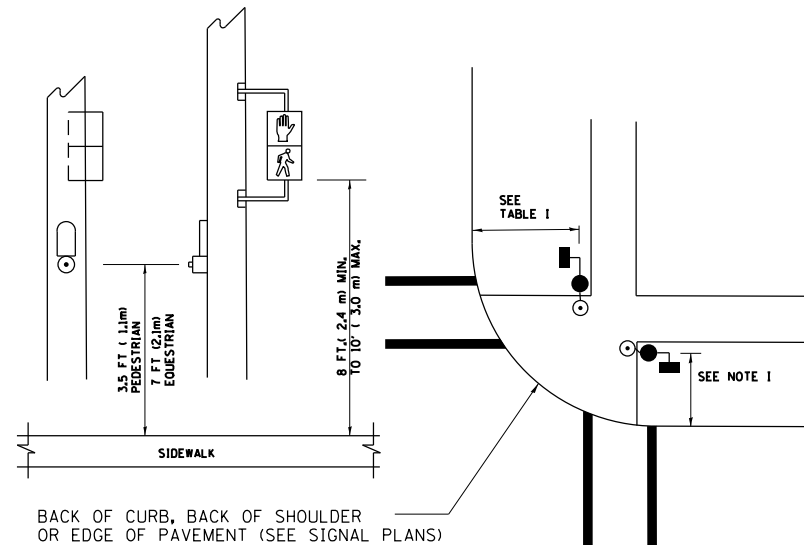
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



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."

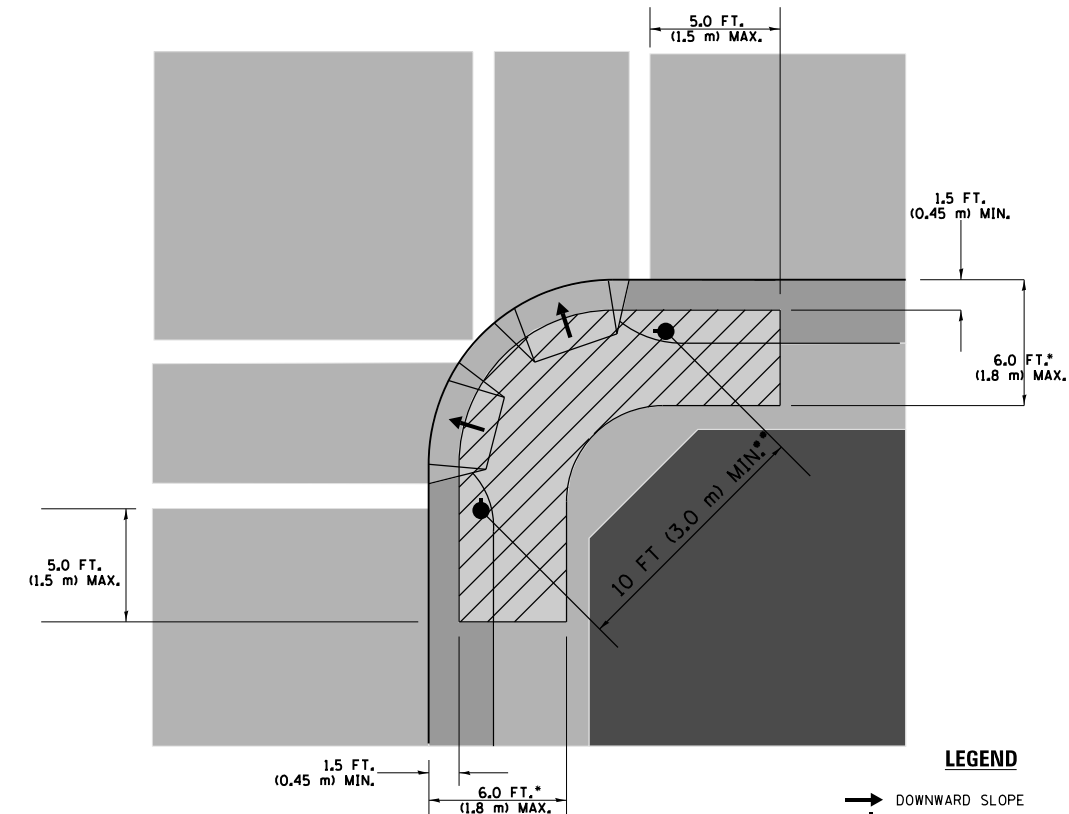
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



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



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

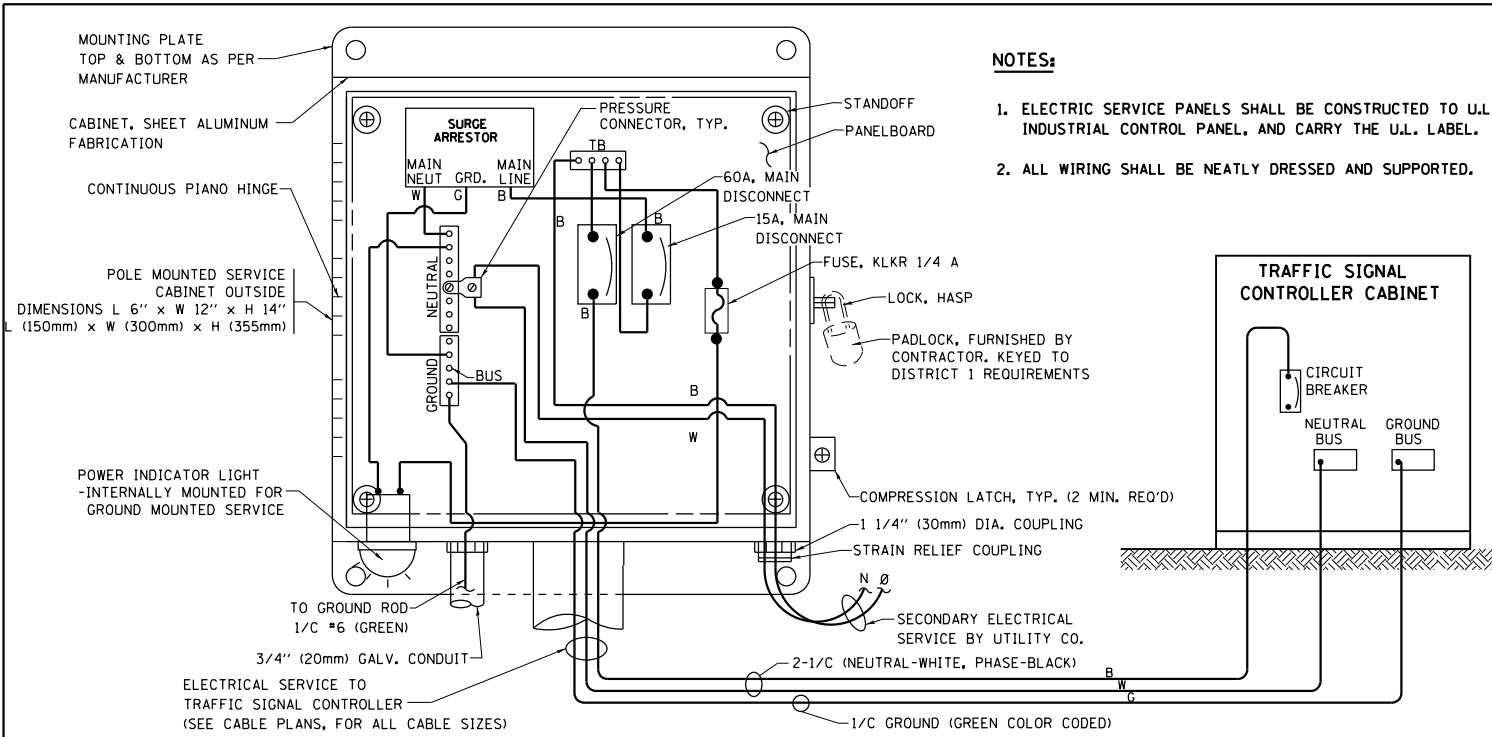
TRAFFIC SIGNAL EQUIPMENT OFFSET

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

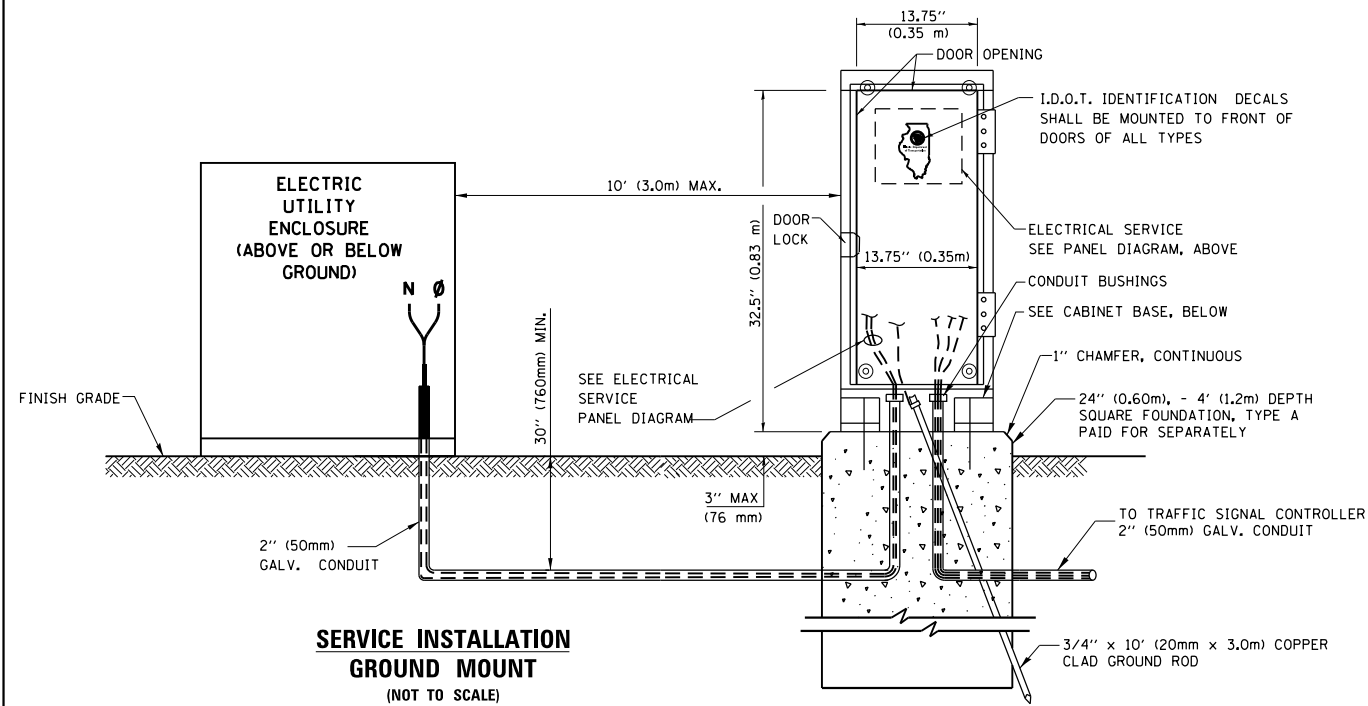
NOTES:

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

TS SHT NO. 3

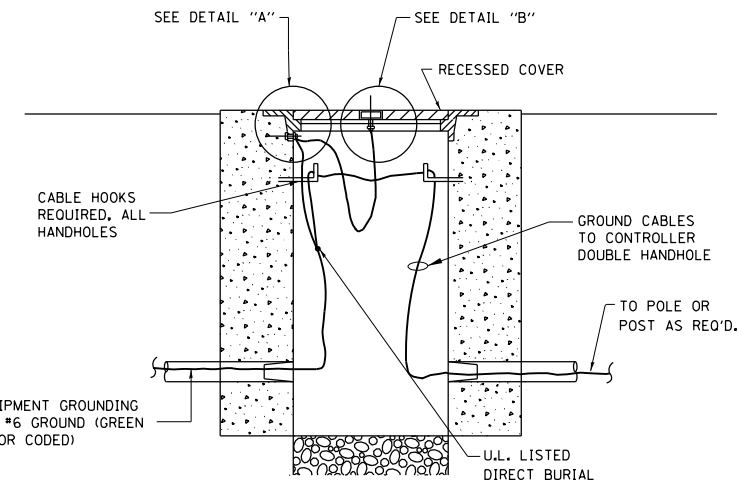
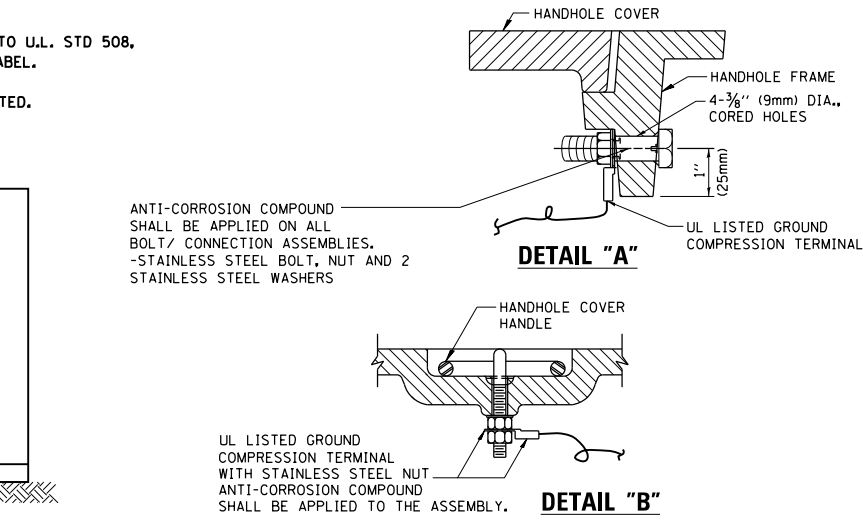
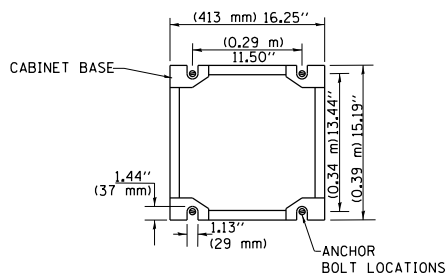


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
(NOT TO SCALE)**

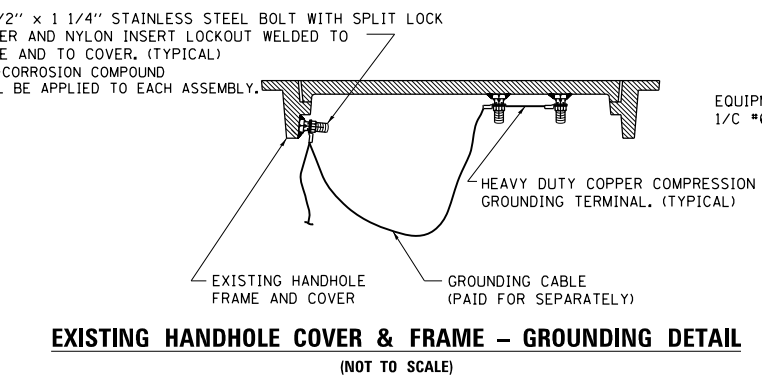


SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

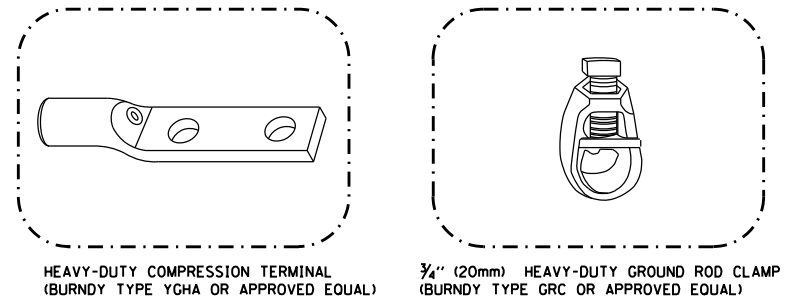
CABINET – BASE BOLT PATTERN (NOT TO SCALE)



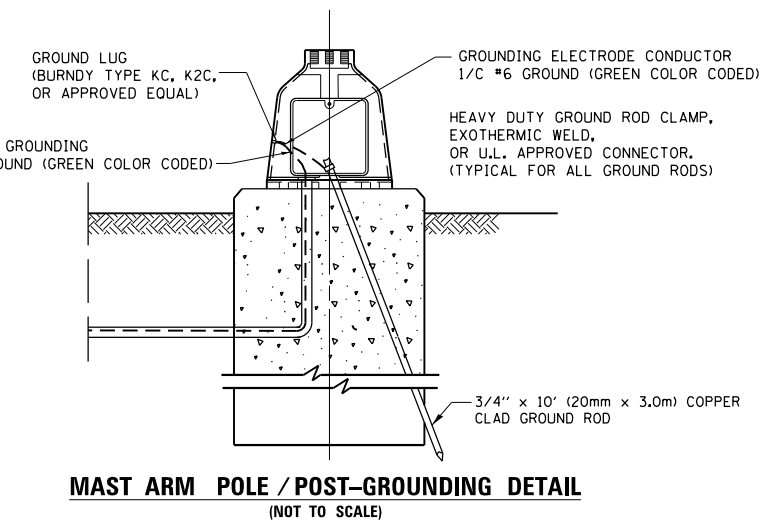
HANDHOLE COVER & FRAME – GROUNDING DETAIL (NOT TO SCALE)



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



- 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.



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

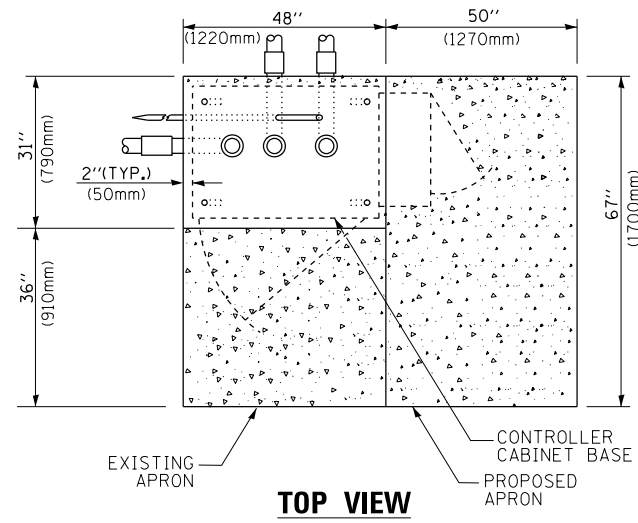
TS SHT NO. 4

| | | | |
|--|-----------------------------|------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - |
| p:\work\084EBID\INTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P142599\Design\PI42599-shd-Design.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0003 / in. | CHECKED - | REVISED - |
| | PLOT DATE = 4/3/2017 | DATE - | REVISED - |

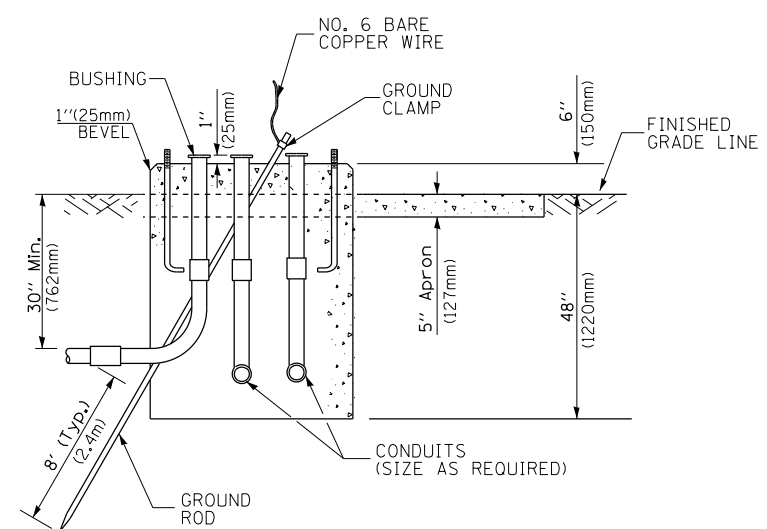
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|---------|-------------|--------------|
| DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS | | | |
| SCALE: NONE | SHEET 4 | OF 7 SHEETS | STA. TO STA. |

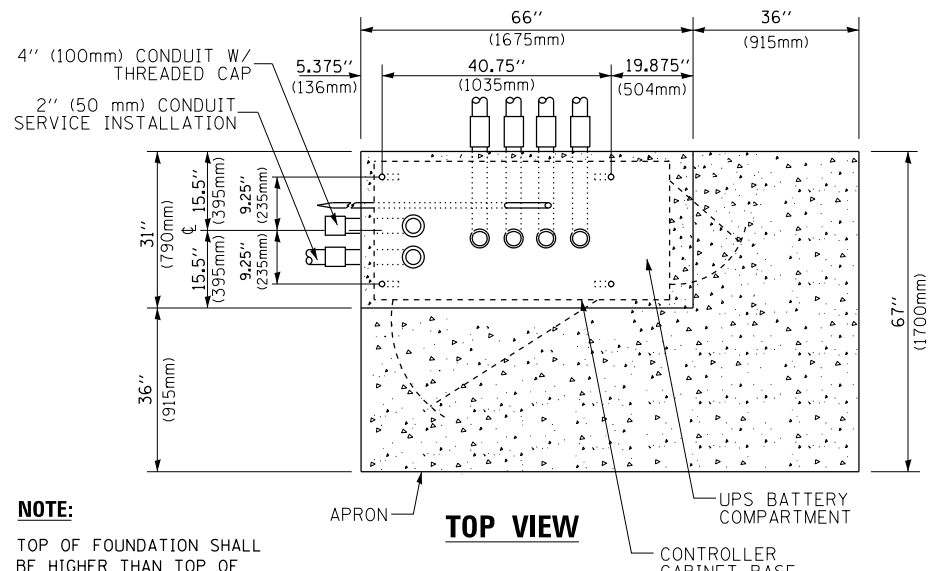
| | | | | |
|---------------------------|---------|---------------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 46 |
| TS-05 | | CONTRACT NO. 60P05 | | |
| ILLINOIS FED. AID PROJECT | | | | |



TOP VIEW

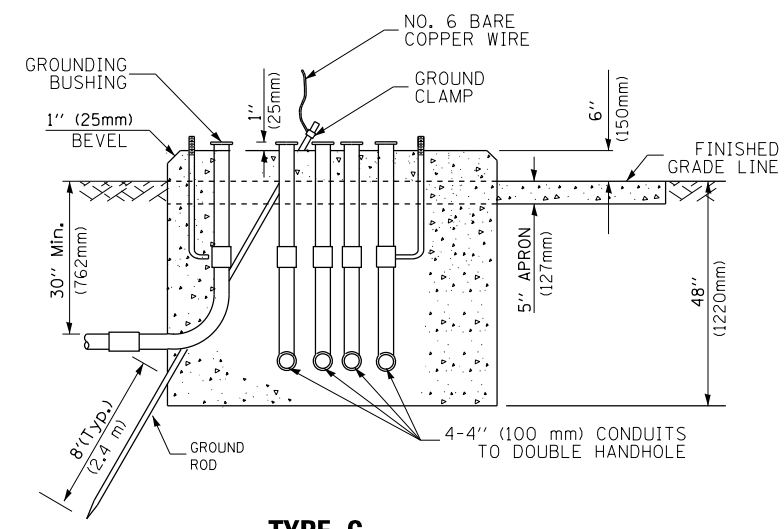


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

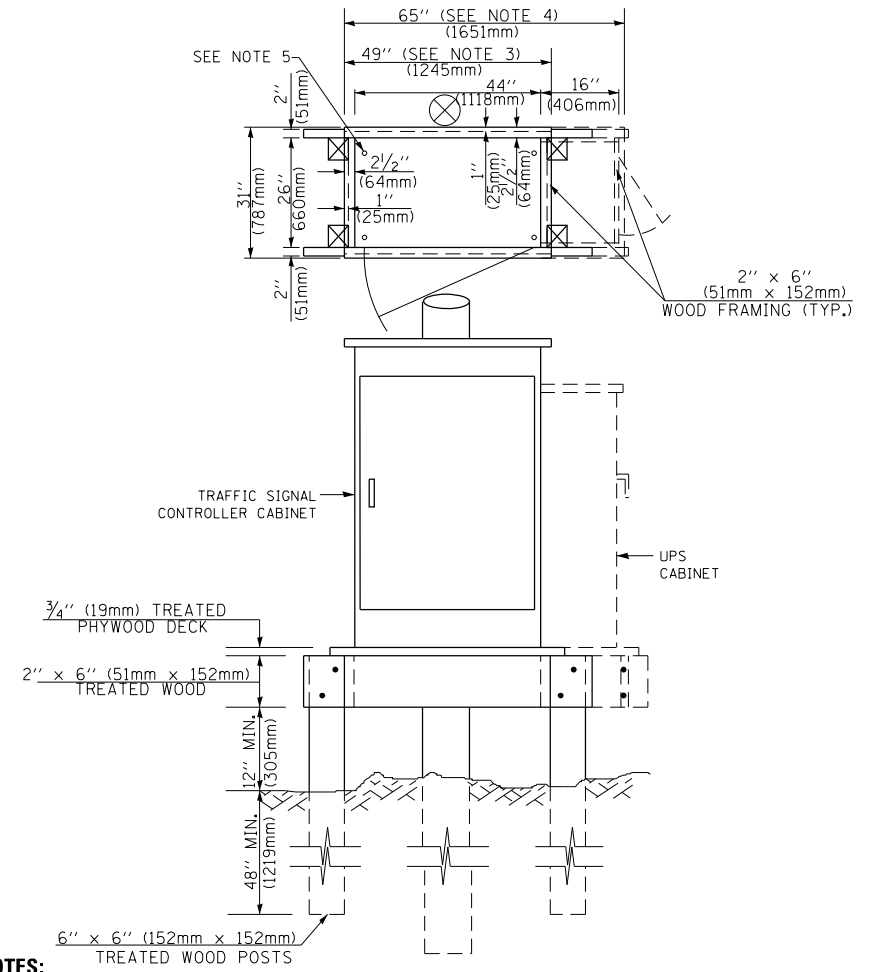


TOP VIEW

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



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



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

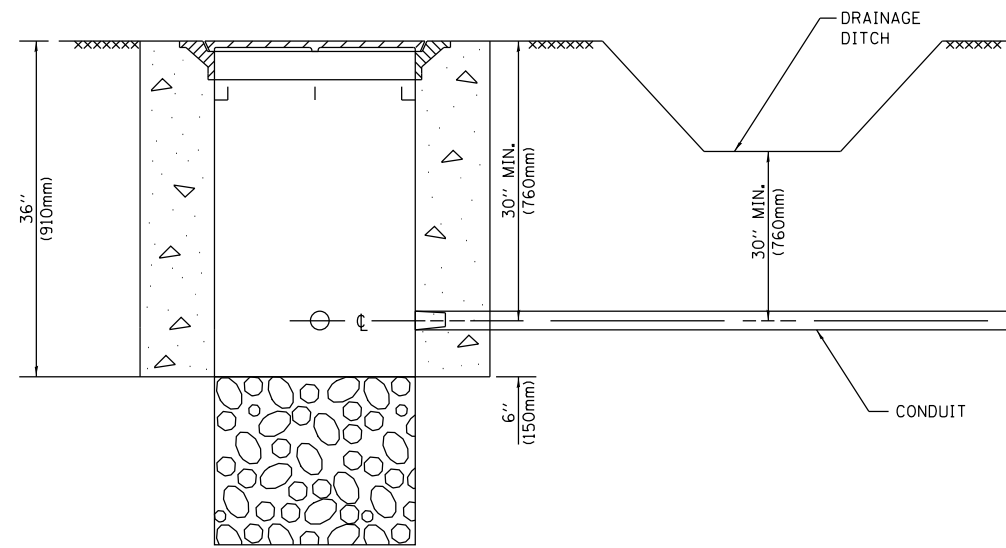
| MAST ARM LENGTH | ① FOUNDATION DEPTH | FOUNDATION DIAMETER | SPIRAL DIAMETER | QUANTITY OF REBARS | SIZE OF REBARS |
|--|--------------------|---------------------|-----------------|--------------------|----------------|
| Less than 30' (9.1 m) | 10'-0" (3.0 m) | 30" (750mm) | 24" (600mm) | 8 | 6(19) |
| 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) |
| Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m) | 11'-0" (3.4 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) |
| Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m) | 15'-0" (4.6 m) | 36" (900mm) | 30" (750mm) | 12 | 7(22) |
| Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m) | 21'-0" (6.4 m) | 42" (1060mm) | 36" (900mm) | 16 | 8(25) |
| Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m) | 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

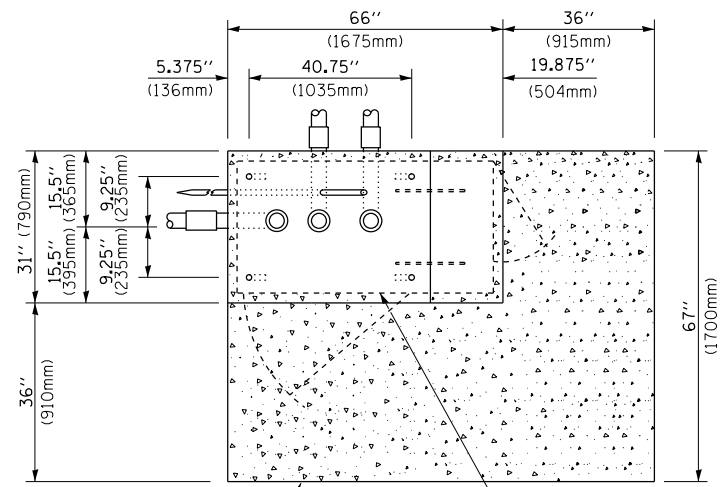
TS SHT NO. 5



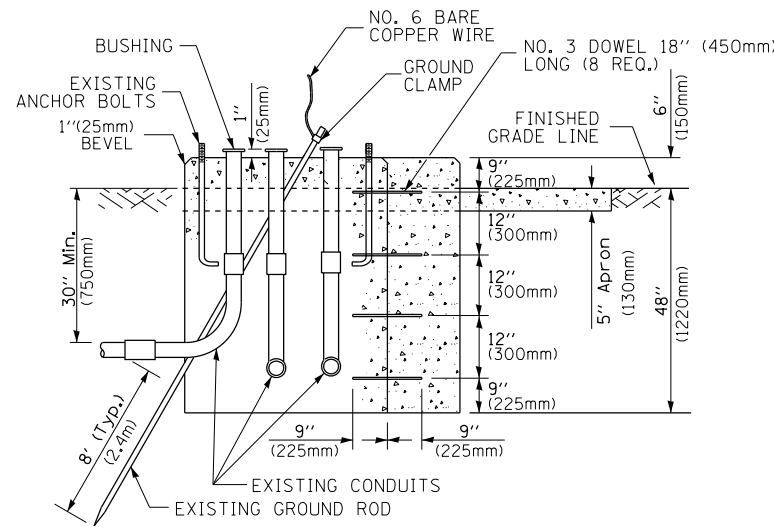
NOTES:

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.

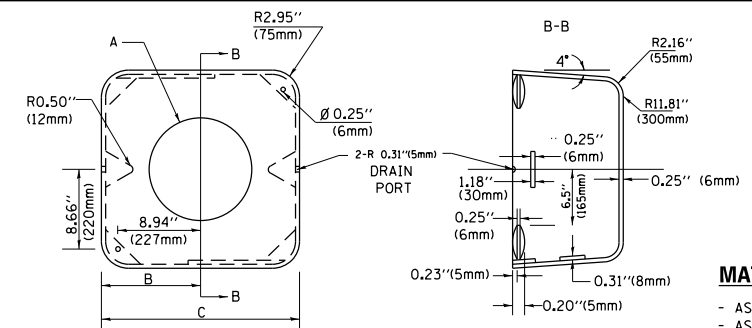
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



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



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

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

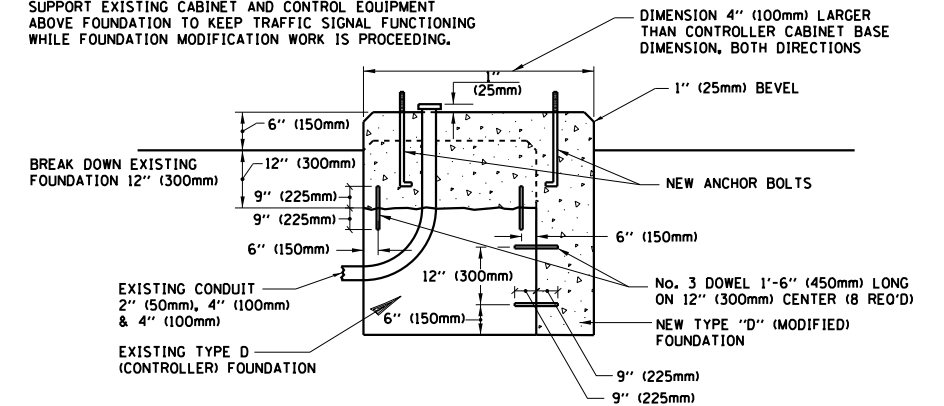
SHROUD

NOTES:

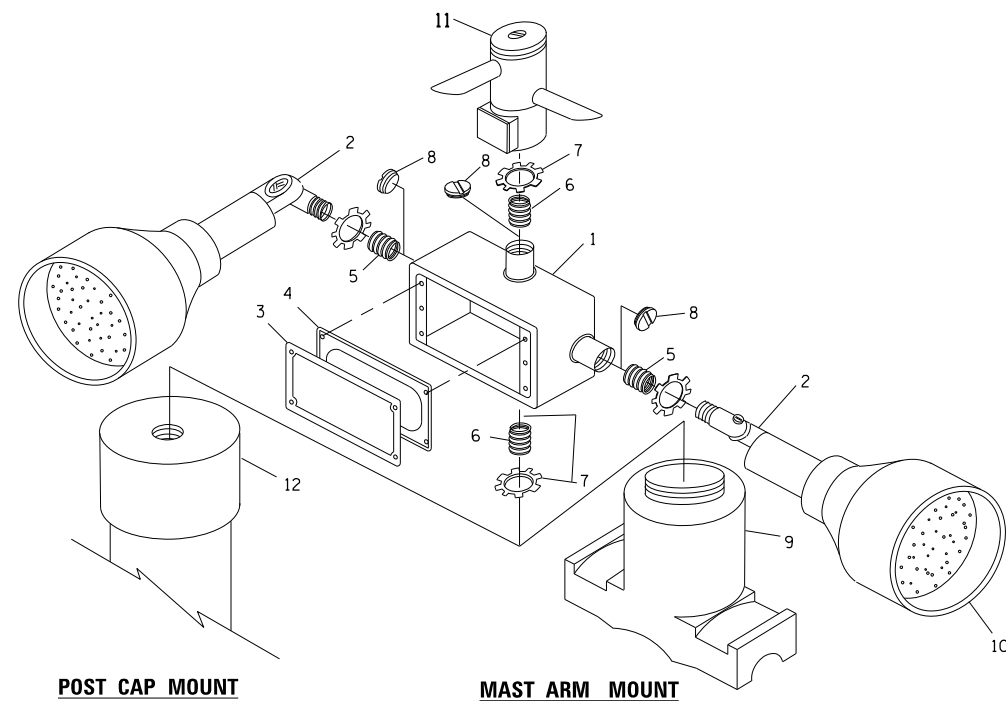
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

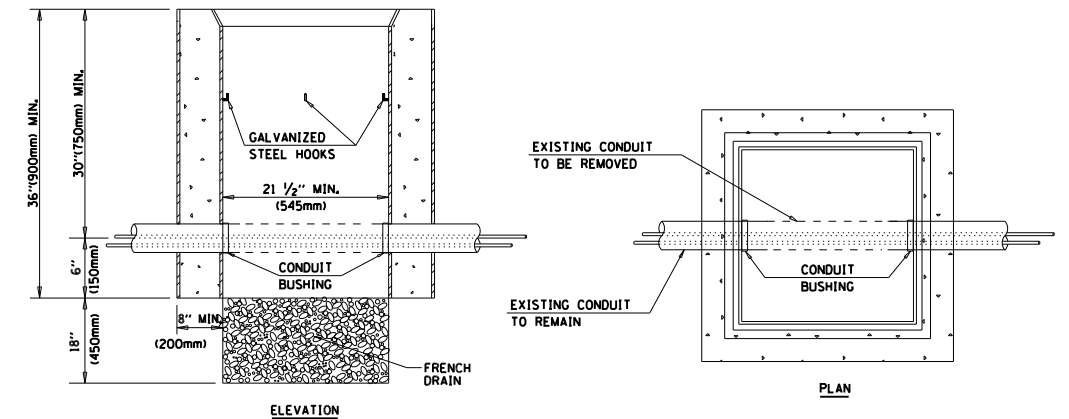


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

| 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.



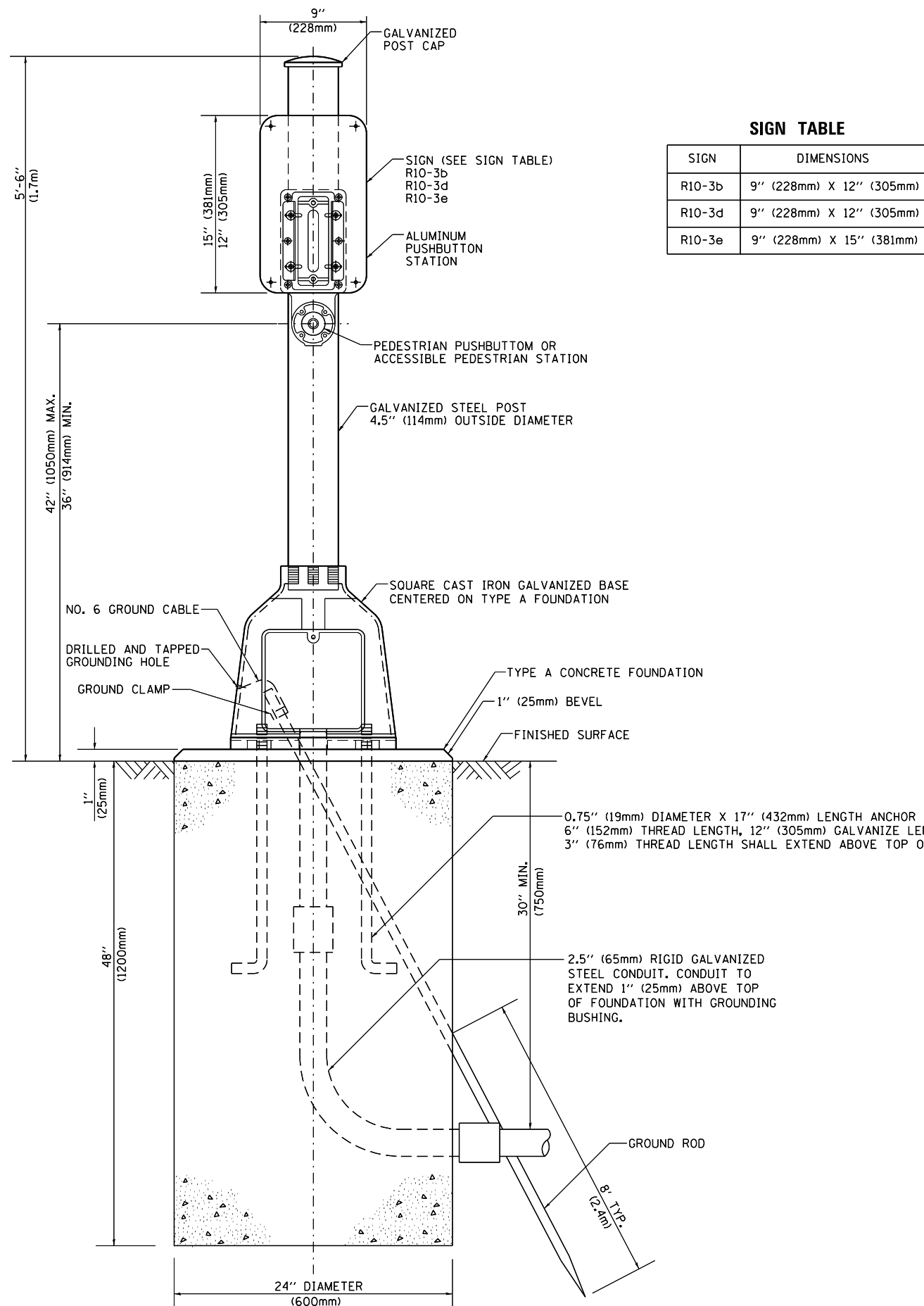
NOTES:

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

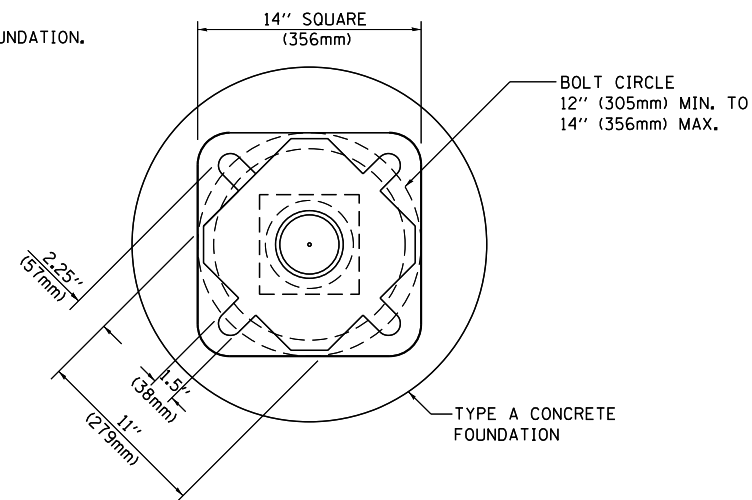
TS SHT NO. 6

TS SHT NO. 7



SIGN TABLE

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



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

| | | | |
|---|------------------------------|------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - |
| p:\11\084EBID\INTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\P142599\Design\PI42599-sht-Design.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 100.0003' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 4/3/2017 | DATE - | REVISED - |

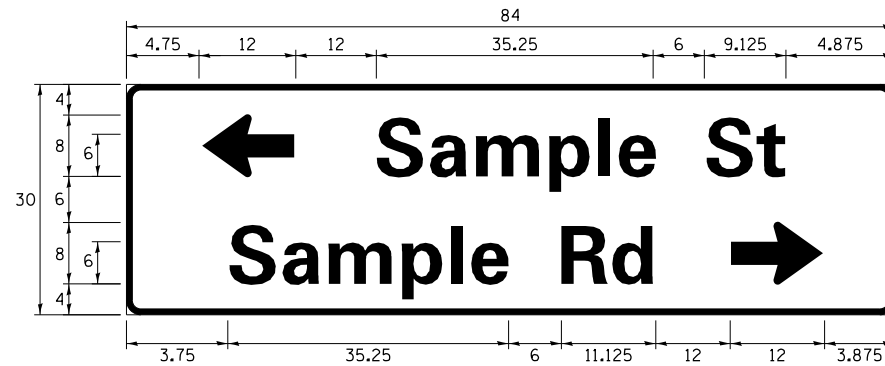
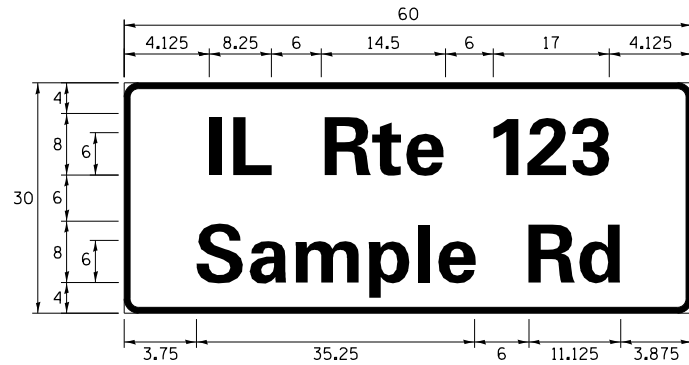
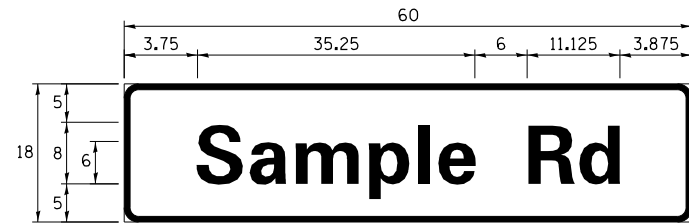
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 49 |
| TS-05 | | | CONTRACT NO. 60P05 | |
| ILLINOIS FED. AID PROJECT | | | | |

SIGN PANEL – TYPE 1 OR TYPE 2



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D OR C | - | 1 OR 2 | ZZ | - |

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

| NAME | ABBREVIATION | WIDTH (INCH) | |
|---------------|--------------|--------------|------------|
| | | SERIES "C" | SERIES "D" |
| AVENUE | Ave | 15.000 | 18.250 |
| BOULEVARD | Blvd | 17.125 | 20.000 |
| CIRCLE | Cir | 11.125 | 13.000 |
| COURT | Ct | 8.250 | 9.625 |
| DRIVE | Dr | 8.625 | 10.125 |
| HIGHWAY | Hwy | 18.375 | 22.000 |
| ILLINOIS | IL | 7.000 | 8.250 |
| LANE | Ln | 9.125 | 10.750 |
| PARKWAY | Pkwy | 23.375 | 27.375 |
| PLACE | Pl | 7.125 | 7.750 |
| ROAD | Rd | 9.625 | 11.125 |
| ROUTE | Rte | 12.625 | 14.500 |
| STREET | St | 8.000 | 9.125 |
| TERRACE | Ter | 12.625 | 14.625 |
| TRAIL | Tr | 7.750 | 9.125 |
| UNITED STATES | US | 10.375 | 12.250 |

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

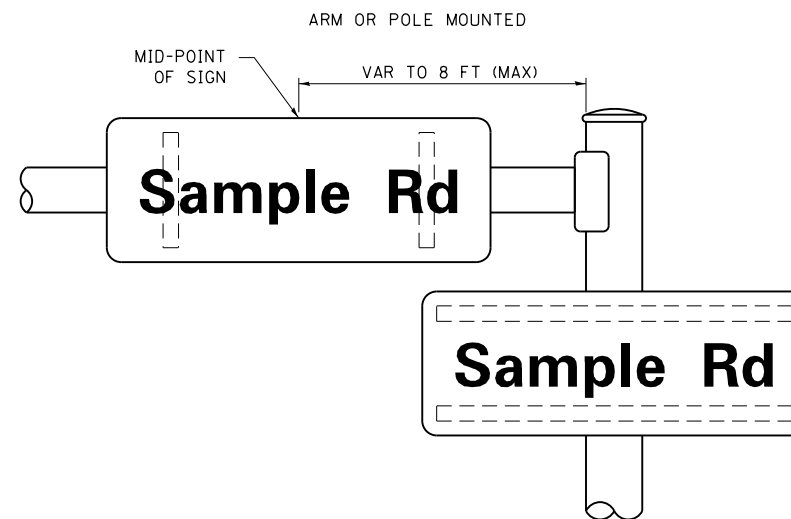
- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

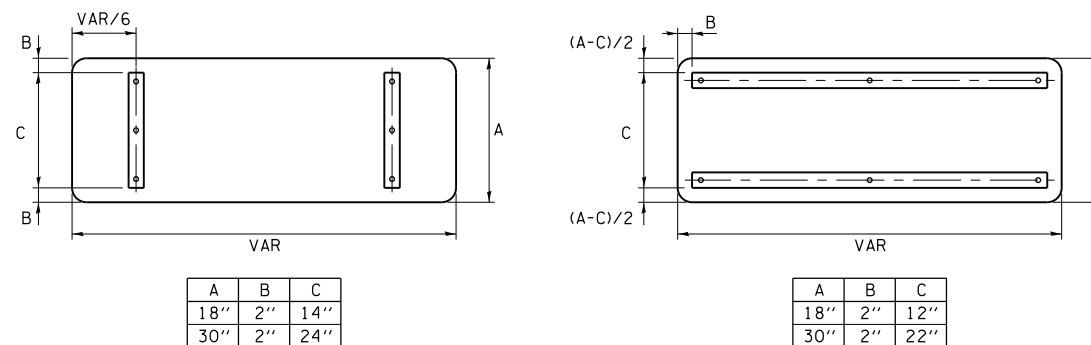
- SIGN CHANNEL PART *HPN053 (MED. CHANNEL)
1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
- SIGN SCREWS PART *HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- BRACKETS

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



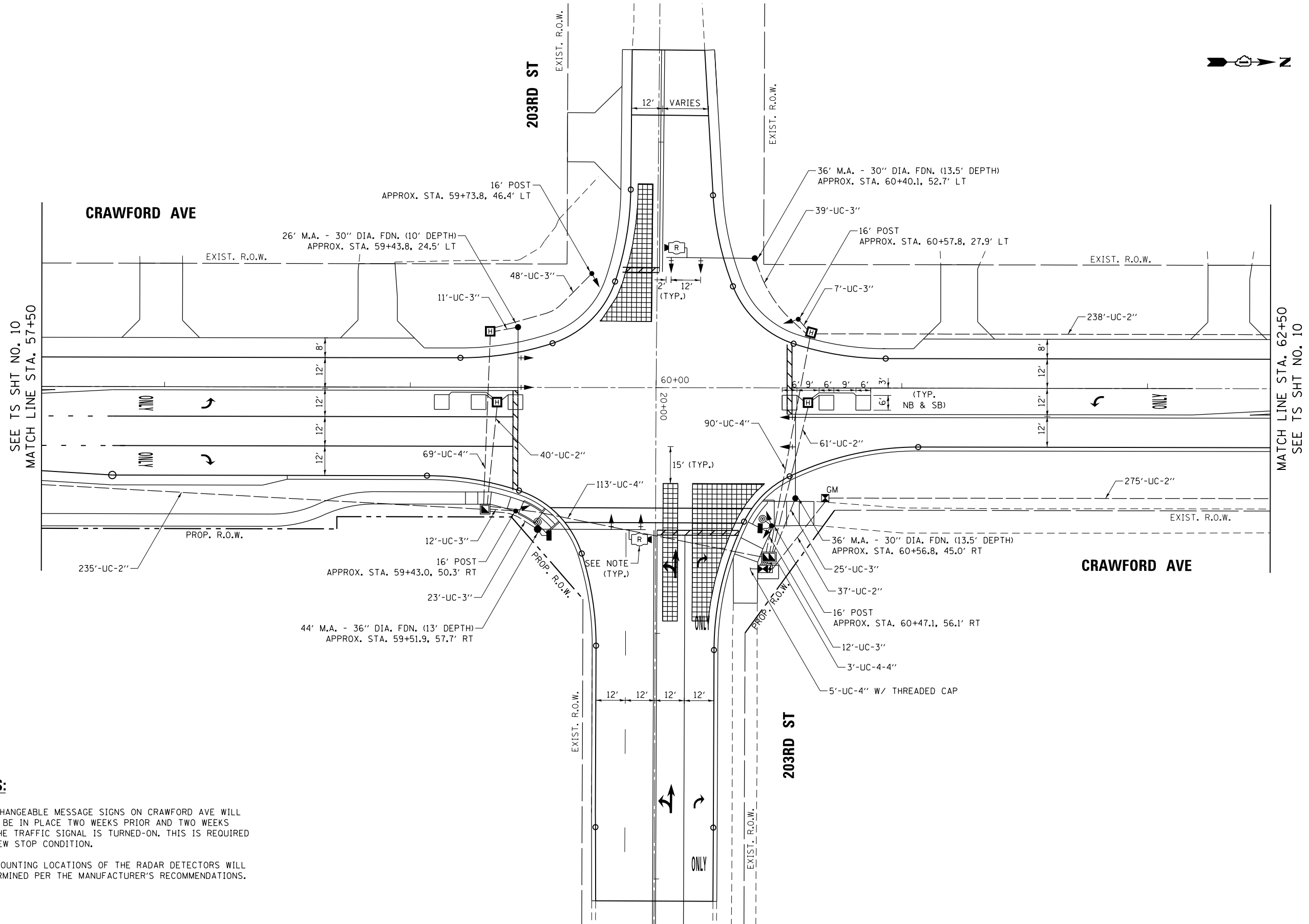
STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

| CHARACTER | FHWA SERIES "C" | | | CHARACTER | FHWA SERIES "D" | | |
|-----------|---------------------|--------------|----------------------|-----------|---------------------|--------------|----------------------|
| | LEFT SPACING (INCH) | WIDTH (INCH) | RIGHT SPACING (INCH) | | LEFT SPACING (INCH) | WIDTH (INCH) | RIGHT SPACING (INCH) |
| A | 0.240 | 5.122 | 0.240 | A | 0.240 | 6.804 | 0.240 |
| B | 0.880 | 4.482 | 0.480 | B | 0.960 | 5.446 | 0.400 |
| C | 0.720 | 4.482 | 0.720 | C | 0.800 | 5.446 | 0.800 |
| D | 0.880 | 4.482 | 0.720 | D | 0.960 | 5.446 | 0.800 |
| E | 0.880 | 4.082 | 0.480 | E | 0.960 | 4.962 | 0.400 |
| F | 0.880 | 4.082 | 0.240 | F | 0.960 | 4.962 | 0.240 |
| G | 0.720 | 4.482 | 0.720 | G | 0.800 | 5.446 | 0.800 |
| H | 0.880 | 4.482 | 0.880 | H | 0.960 | 5.446 | 0.960 |
| I | 0.880 | 1.120 | 0.880 | I | 0.960 | 1.280 | 0.960 |
| J | 0.240 | 4.082 | 0.880 | J | 0.240 | 5.122 | 0.960 |
| K | 0.880 | 4.482 | 0.480 | K | 0.960 | 5.604 | 0.400 |
| L | 0.880 | 4.082 | 0.240 | L | 0.960 | 4.962 | 0.240 |
| M | 0.880 | 5.284 | 0.880 | M | 0.960 | 6.244 | 0.960 |
| N | 0.880 | 4.482 | 0.880 | N | 0.960 | 5.446 | 0.960 |
| O | 0.720 | 4.722 | 0.720 | O | 0.800 | 5.684 | 0.800 |
| P | 0.880 | 4.482 | 0.720 | P | 0.960 | 5.446 | 0.240 |
| Q | 0.720 | 4.722 | 0.720 | Q | 0.800 | 5.684 | 0.800 |
| R | 0.880 | 4.482 | 0.480 | R | 0.960 | 5.446 | 0.400 |
| S | 0.480 | 4.482 | 0.480 | S | 0.400 | 5.446 | 0.400 |
| T | 0.240 | 4.082 | 0.240 | T | 0.240 | 4.962 | 0.240 |
| U | 0.880 | 4.482 | 0.880 | U | 0.960 | 5.446 | 0.960 |
| V | 0.240 | 4.962 | 0.240 | V | 0.240 | 6.084 | 0.240 |
| W | 0.240 | 6.084 | 0.240 | W | 0.240 | 7.124 | 0.240 |
| X | 0.240 | 4.722 | 0.240 | X | 0.400 | 5.446 | 0.400 |
| Y | 0.240 | 5.122 | 0.240 | Y | 0.240 | 6.884 | 0.240 |
| Z | 0.480 | 4.482 | 0.480 | Z | 0.400 | 5.446 | 0.400 |
| a | 0.320 | 3.842 | 0.640 | a | 0.400 | 4.562 | 0.720 |
| b | 0.720 | 4.082 | 0.480 | b | 0.800 | 4.802 | 0.480 |
| c | 0.480 | 4.002 | 0.240 | c | 0.480 | 4.722 | 0.240 |
| d | 0.480 | 4.082 | 0.720 | d | 0.480 | 4.802 | 0.800 |
| e | 0.480 | 4.082 | 0.320 | e | 0.480 | 4.722 | 0.320 |
| f | 0.320 | 2.480 | 0.160 | f | 0.320 | 2.882 | 0.160 |
| g | 0.480 | 4.082 | 0.720 | g | 0.480 | 4.802 | 0.800 |
| h | 0.720 | 4.082 | 0.640 | h | 0.800 | 4.722 | 0.720 |
| i | 0.720 | 1.120 | 0.720 | i | 0.800 | 1.280 | 0.800 |
| j | 0.000 | 2.320 | 0.720 | j | 0.000 | 2.642 | 0.800 |
| k | 0.720 | 4.322 | 0.160 | k | 0.800 | 5.122 | 0.160 |
| l | 0.720 | 1.120 | 0.720 | l | 0.800 | 1.280 | 0.800 |
| m | 0.720 | 6.724 | 0.640 | m | 0.800 | 7.926 | 0.720 |
| n | 0.720 | 4.082 | 0.640 | n | 0.800 | 4.722 | 0.720 |
| o | 0.480 | 4.082 | 0.480 | o | 0.480 | 4.882 | 0.480 |
| p | 0.720 | 4.082 | 0.480 | p | 0.800 | 4.802 | 0.480 |
| q | 0.480 | 4.082 | 0.720 | q | 0.480 | 4.802 | 0.800 |
| r | 0.720 | 2.642 | 0.160 | r | 0.800 | 3.042 | 0.160 |
| s | 0.320 | 3.362 | 0.240 | s | 0.320 | 3.762 | 0.240 |
| t | 0.080 | 2.882 | 0.080 | t | 0.080 | 3.202 | 0.080 |
| u | 0.640 | 4.082 | 0.720 | u | 0.720 | 4.722 | 0.800 |
| v | 0.160 | 4.722 | 0.160 | v | 0.160 | 5.684 | 0.160 |
| w | 0.160 | 7.524 | 0.160 | w | 0.160 | 9.046 | 0.160 |
| x | 0.000 | 5.202 | 0.000 | x | 0.000 | 6.244 | 0.000 |
| y | 0.160 | 4.962 | 0.160 | y | 0.160 | 6.004 | 0.160 |
| z | 0.240 | 3.362 | 0.240 | z | 0.240 | 4.002 | 0.240 |
| 1 | 0.720 | 1.680 | 0.880 | 1 | 0.800 | 2.000 | 0.960 |
| 2 | 0.480 | 4.482 | 0.480 | 2 | 0.800 | 5.446 | 0.800 |
| 3 | 0.480 | 4.482 | 0.480 | 3 | 1.440 | 5.446 | 0.800 |
| 4 | 0.240 | 4.962 | 0.720 | 4 | 0.160 | 6.004 | 0.960 |
| 5 | 0.480 | 4.482 | 0.480 | 5 | 0.800 | 5.446 | 0.800 |
| 6 | 0.720 | 4.482 | 0.720 | 6 | 0.800 | 5.446 | 0.800 |
| 7 | 0.240 | 4.482 | 0.720 | 7 | 0.560 | 5.446 | 0.560 |
| 8 | 0.480 | 4.482 | 0.480 | 8 | 0.800 | 5.446 | 0.800 |
| 9 | 0.480 | 4.482 | 0.480 | 9 | 0.800 | 5.446 | 0.800 |
| 0 | 0.720 | 4.722 | 0.720 | 0 | 0.800 | 5.684 | 0.800 |
| - | 0.240 | 2.802 | 0.240 | - | 0.240 | 2.802 | 0.240 |

TS SHT NO. 8

TS SHT NO. 9



NOTES:

1. TWO CHANGEABLE MESSAGE SIGNS ON CRAWFORD AVE WILL NEED TO BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNAL IS TURNED-ON. THIS IS REQUIRED FOR A NEW STOP CONDITION.
2. THE MOUNTING LOCATIONS OF THE RADAR DETECTORS WILL BE DETERMINED PER THE MANUFACTURER'S RECOMMENDATIONS.

| | | | |
|---|-----------------------------|------------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - IP | REVISED - |
| p:\work\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI42599\Design\PI42599-shr-Design.dgn | | DRAWN - | REVISED - |
| Default | PLOT SCALE = 40.0001' / in. | CHECKED - AK | REVISED - |
| | PLOT DATE = 4/3/2017 | DATE - 3/15/2017 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 1 OF 2)
CRAWFORD AVE AND 203RD ST

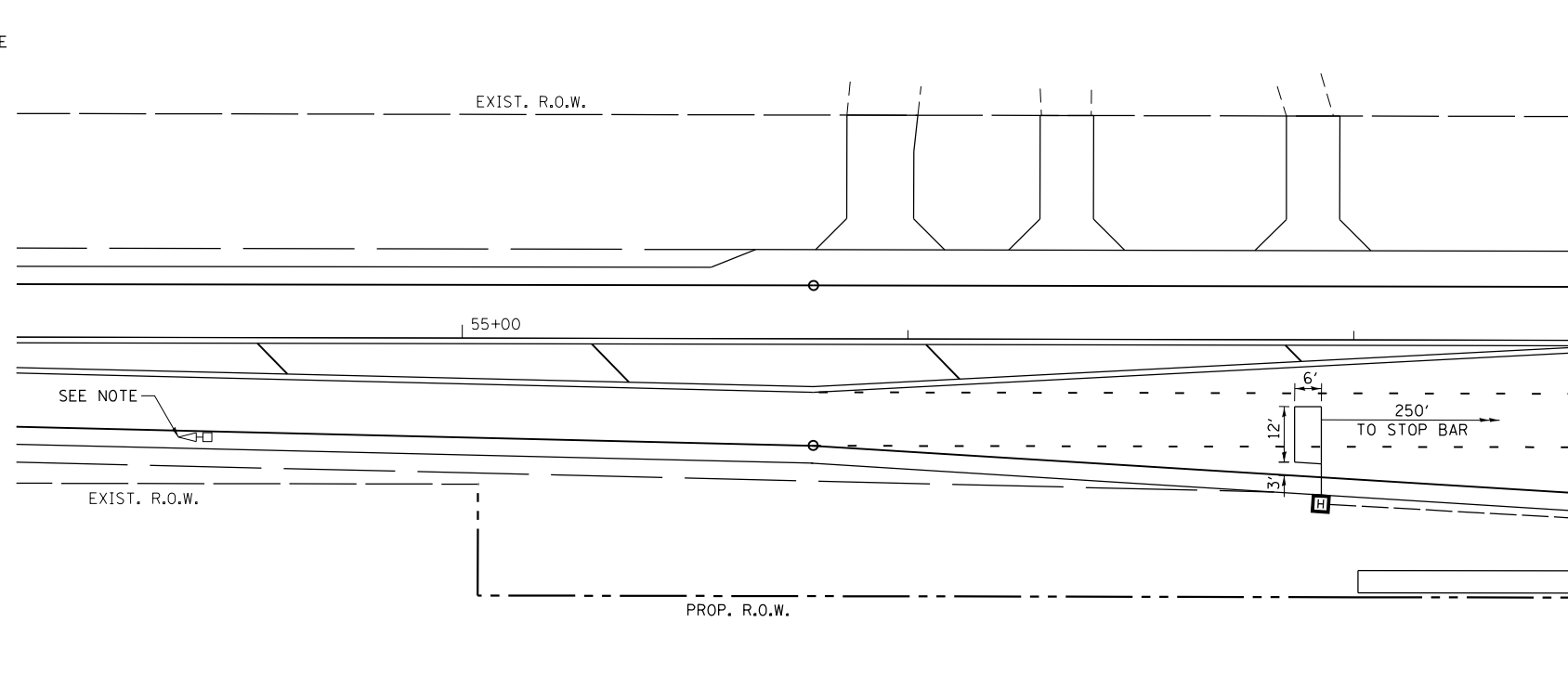
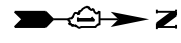
SCALE: SHEET OF SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
| 3778 | 3144-R | COOK | 79 | 51 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

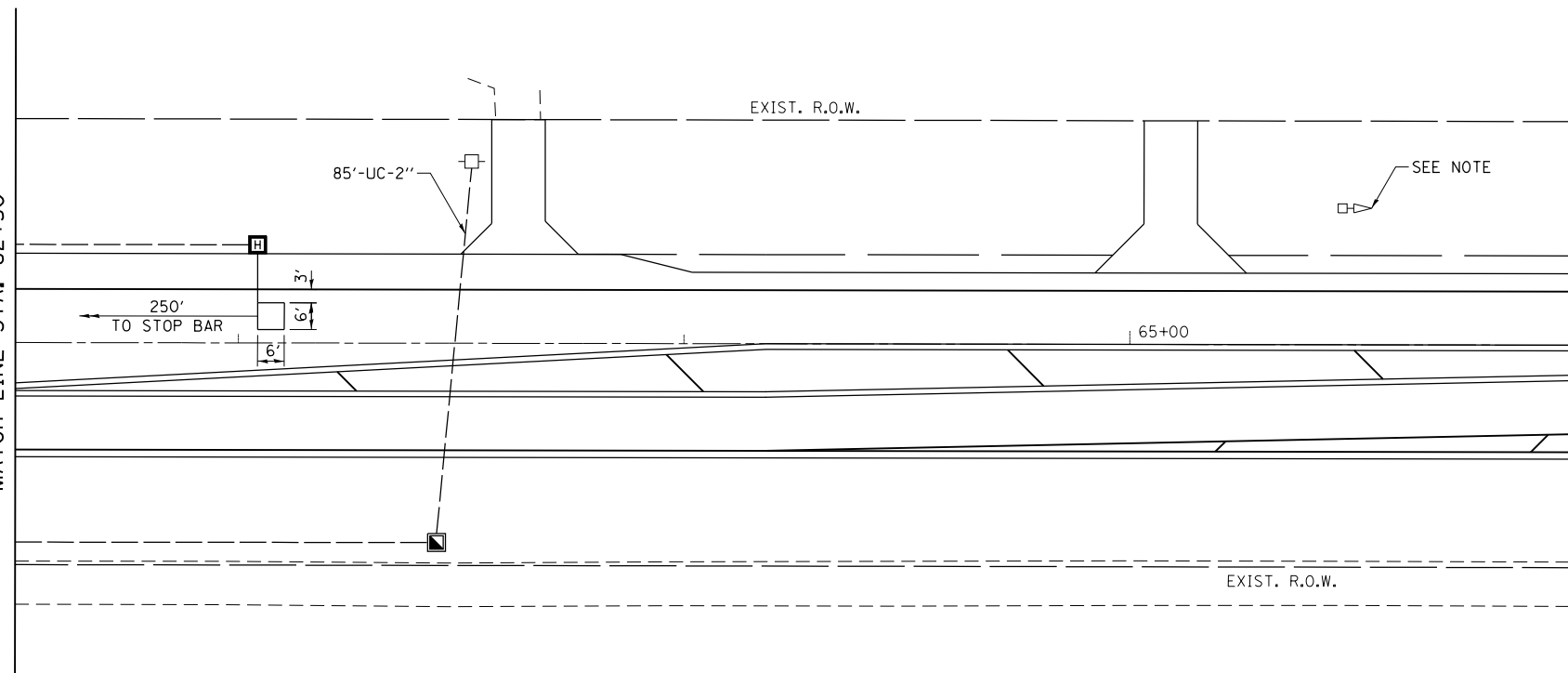
TS 4943

NOTES:

1. THE EXISTING SOLAR POWERED FLASHERS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ANY RELOCATIONS NECESSARY DURING CONSTRUCTION SHALL BE INCLUDED IN THE PAY ITEM MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION. THE SOLAR POWERED FLASHERS SHALL NOT BE REMOVED UNTIL THE TRAFFIC SIGNAL INSTALLATION IS TURNED ON AND OPERATIONAL.



MATCH LINE STA. 57+50
SEE TS SHT NO. 9



SEE TS SHT NO. 9
MATCH LINE STA. 62+50

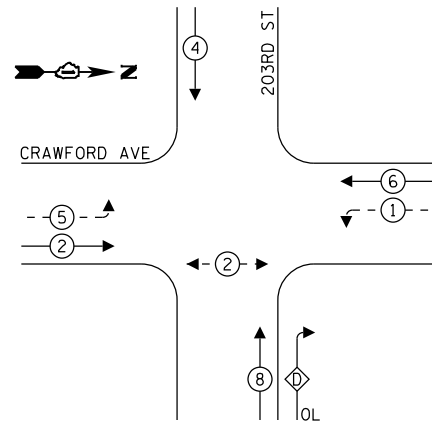
TS SHT NO. 10

TS 4943

| | | | | | | | | | | | |
|---|-----------------------------|------------------|-----------|---|--|--------------------|---------|--------|--------------|-----------|----|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - IP | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC SIGNAL INSTALLATION PLAN (SHEET 2 OF 2) CRAWFORD AVE AND 203RD ST | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\PI42599-Design\PI42599-sht-Design.dgn | | REVISION | REVISED - | | | 3778 | 3144-R | COOK | 79 | 52 | |
| Default | PLOT SCALE = 40.0001' / in. | CHECKED - AK | REVISED - | | | CONTRACT NO. 60P05 | | | | | |
| | PLOT DATE = 4/3/2017 | DATE - 3/15/2017 | REVISED - | | | SCALE: | SHEET | OF | SHEETS | STA. | TO |

ILLINOIS FED. AID PROJECT

PROPOSED CONTROLLER SEQUENCE

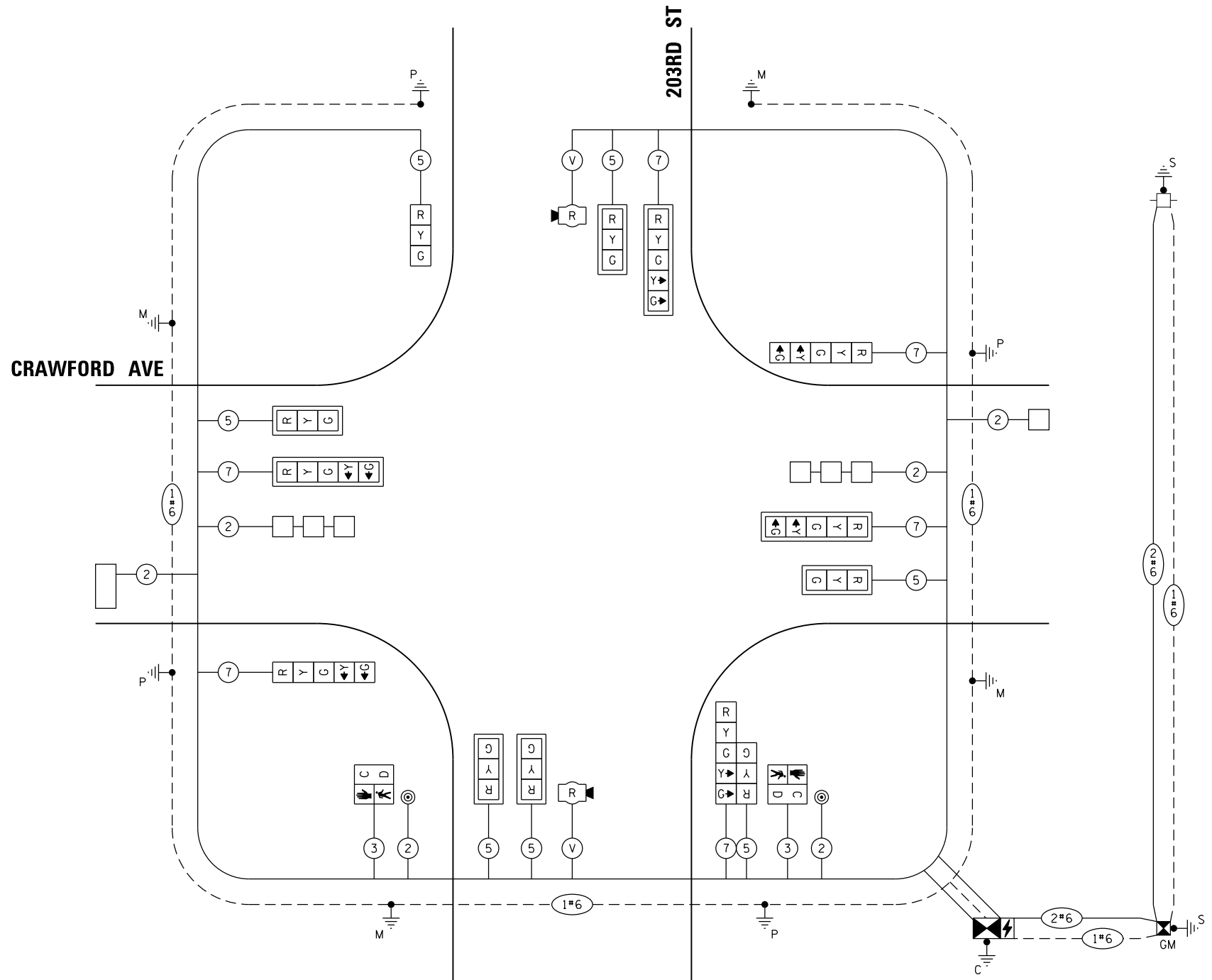


LEGEND:

- ←(*) PROTECTED PHASE
- ←-(*)- PROTECTED/PERMITTED PHASE
- ←-(*)→ PEDESTRIAN PHASE
- ←(OL) OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

| OVERLAP LETTER | PERMISSIVE PHASE | PROTECTED PHASE |
|----------------|------------------|-----------------|
| D | 8 | 1 |



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

| TYPE | NO. OF LAMPS | LED WATTAGE | % OPERATION | TOTAL WATTAGE |
|------------------|--------------|-------------|-------------|---------------|
| SIGNAL (RED) | 13 | 11 | 50 | 71.5 |
| (YELLOW) | 13 | 20 | 5 | 13.0 |
| (GREEN) | 13 | 12 | 45 | 70.2 |
| PERMISSIVE ARROW | 12 | 10 | 10 | 12.0 |
| PED. SIGNAL | 2 | 20 | 100 | 40.0 |
| CONTROLLER | 1 | 100 | 100 | 100.0 |
| UPS | 1 | 25 | 100 | 25.0 |
| VIDEO SYSTEM | - | 150 | 100 | - |
| BLANK-OUT SIGN | - | 25 | 5 | - |
| FLASHER | - | - | 50 | - |
| STREET NAME SIGN | - | 120 | 50 | - |
| LUMINAIRE | - | - | - | - |
| TOTAL = | | | | 331.7 |

ENERGY COSTS TO:

VILLAGE OF OLYMPIA FIELDS
20040 GOVERNORS HWY
OLYMPIA FIELDS, IL 60461

ENERGY SUPPLY: CONTACT: ILYAS MOHIUDDIN
PHONE: (708) 235-2692
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 6678123018

TS SHT NO. 11

| | | | |
|---|-----------------------------|------------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - IP | REVISED - |
| p:\work\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\PI42599-Design\PI42599-sht-Design.dgn | | REVISIONS - | REVISED - |
| Default | PLOT SCALE = 40.0001' / in. | CHECKED - AK | REVISED - |
| | PLOT DATE = 4/3/2017 | DATE - 3/15/2017 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN AND PHASE DESIGNATION DIAGRAM
CRAWFORD AVE AND 203RD ST**

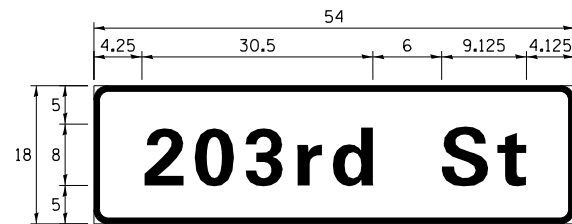
SCALE: SHEET OF SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 53 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

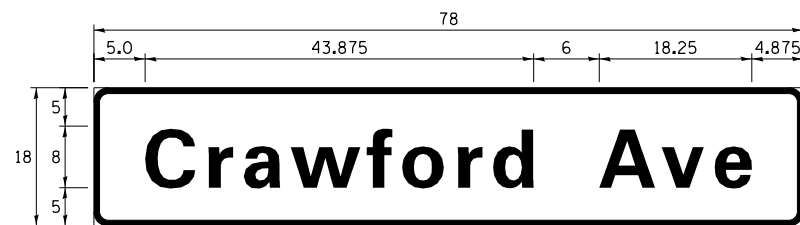
TS 4943

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D | 6.75 | 1 | ZZ | 2 |



| DESIGN SERIES | AREA (SQ FT) | SIGN PANEL TYPE | SHEETING TYPE | QTY. REQUIRED |
|---------------|--------------|-----------------|---------------|---------------|
| D | 9.75 | 2 | ZZ | 2 |

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

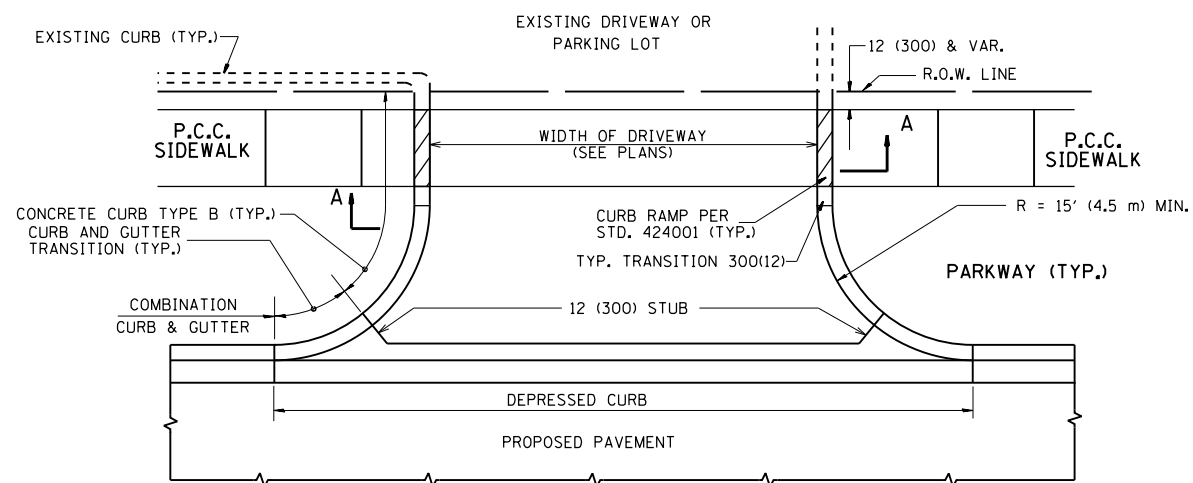
SCHEDULE OF QUANTITIES

| ITEM DESCRIPTION | UNITS | TOTAL QTY. |
|---|--------|------------|
| CHANGEABLE MESSAGE SIGN | CAL MO | 2 |
| SIGN PANEL - TYPE 1 | SQ FT | 13.5 |
| SIGN PANEL - TYPE 2 | SQ FT | 19.5 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA. | FOOT | 971 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. | FOOT | 177 |
| UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. | FOOT | 289 |
| HANDHOLE | EACH | 2 |
| HEAVY-DUTY HANDHOLE | EACH | 6 |
| DOUBLE HANDHOLE | EACH | 1 |
| MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION | EACH | 2 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 225 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 235 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 1,380 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 970 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 1,030 |
| ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C | FOOT | 475 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 1,025 |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 4 |
| STEEL MAST ARM ASSEMBLY AND POLE, 26 FT. | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE, 36 FT. | EACH | 2 |
| STEEL MAST ARM ASSEMBLY AND POLE, 44 FT. | EACH | 1 |
| CONCRETE FOUNDATION, TYPE A | FOOT | 20 |
| CONCRETE FOUNDATION, TYPE C | FOOT | 4 |
| CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER | FOOT | 37 |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 13 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED | EACH | 5 |
| SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED | EACH | 2 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 3 |
| SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED | EACH | 3 |
| PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER | EACH | 2 |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 8 |
| INDUCTIVE LOOP DETECTOR | EACH | 4 |
| DETECTOR LOOP, TYPE I | FOOT | 280 |
| PEDESTRIAN PUSH-BUTTON | EACH | 2 |
| REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE | EACH | 2 |
| FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET | EACH | 1 |
| SERVICE INSTALLATION - GROUND MOUNTED, METERED | EACH | 1 |
| RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR | EACH | 2 |
| UNINTERRUPTABLE POWER SUPPLY, SPECIAL | EACH | 1 |

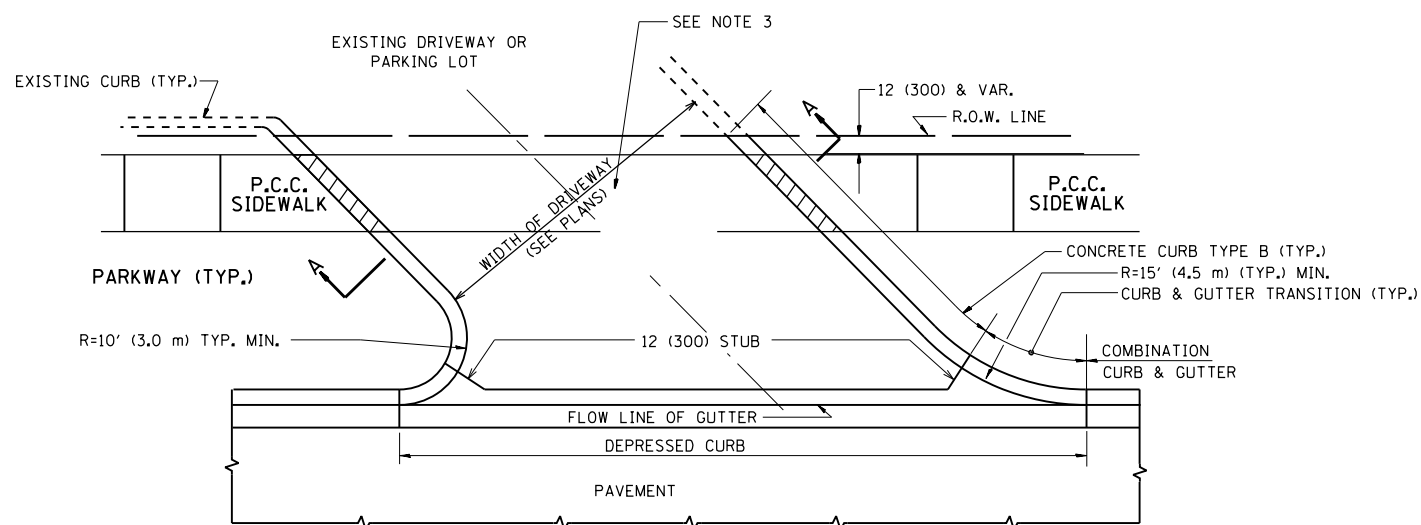
TS SHT NO. 12

TS 4943

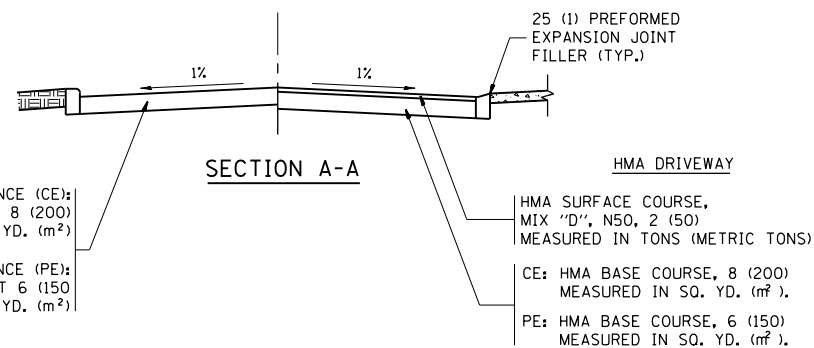
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|---|-----------------------------|------------------|-----------|---|--|-----------------|--------------------|---------------------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - IP | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES CRAWFORD AVE AND 203RD ST | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\142599-Design\142599-sht-Design.dgn | DRAWN | REVISION | 3778 | | | | 3144-R | COOK | 79 | 54 | |
| Default | PLOT SCALE = 48.0001" / in. | CHECKED - AK | REVISION | | | | CONTRACT NO. 60P05 | | | | |
| | PLOT DATE = 4/3/2017 | DATE - 3/15/2017 | REVISION | | SCALE: | SHEET OF SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | | |



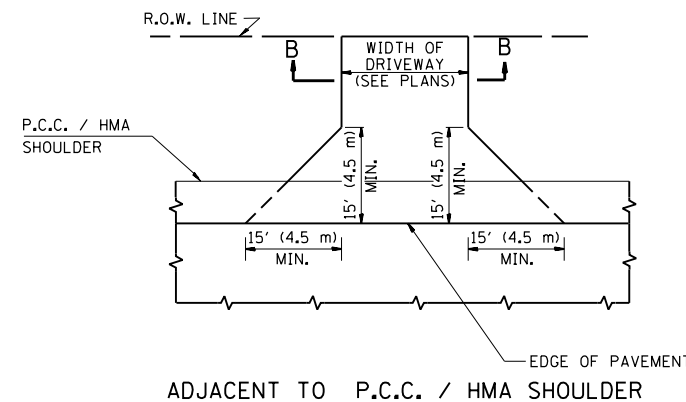
WITH CONCRETE CURB, TYPE B



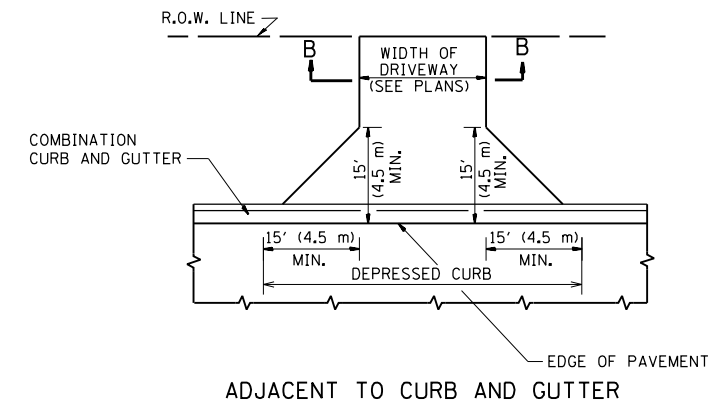
WITH CONCRETE CURB, TYPE B



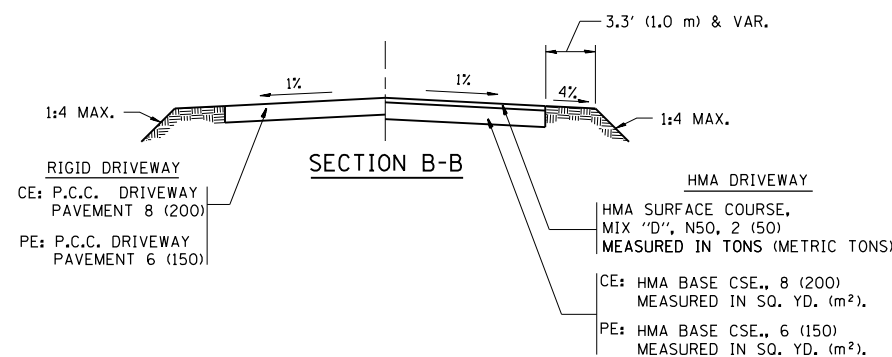
SECTION A-A



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

RURAL FIELD ENTRANCE (FE)

GENERAL NOTES:

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

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

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

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

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

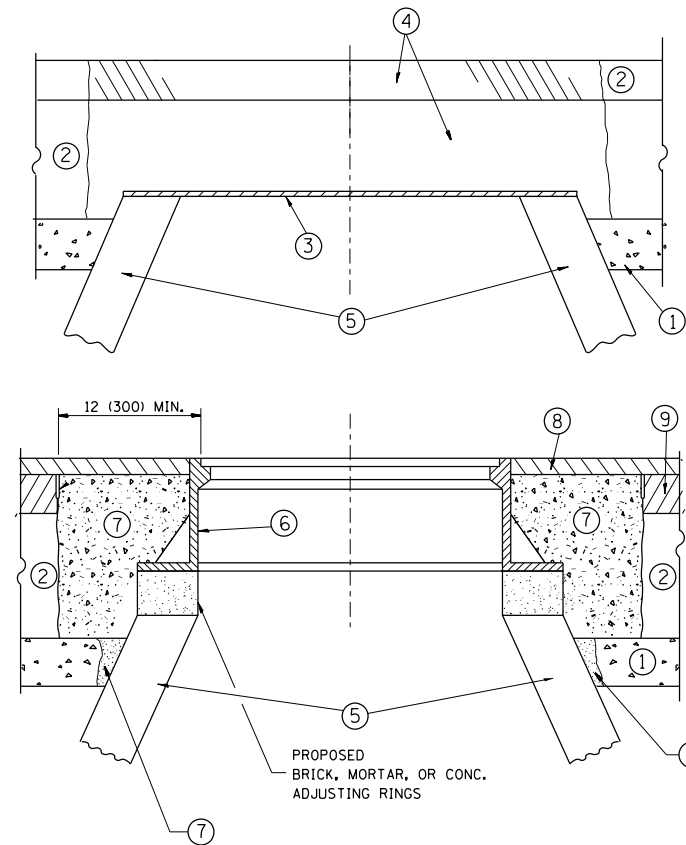
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

| | | | |
|---|-----------------------|--------------------|-------------------------------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - R. SHAH | REVISED - P. LaFLUER 04-15-03 |
| pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI425\DRW\084EBIDINTEG.DistStd.dgn | | CHECKED - | REVISED - R. BORO 01-01-07 |
| PLOT SCALE = 100.0002' / 1" | | DATE - 11-04-95 | REVISED - R. BORO 06-11-08 |
| PLOT DATE = 4/3/2017 | | | REVISED - R. BORO 09-06-11 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

| | | | | |
|---|---------|--------|---------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 55 |
| BD0156-07 (BD-01) | | | CONTRACT NO. 60P05 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

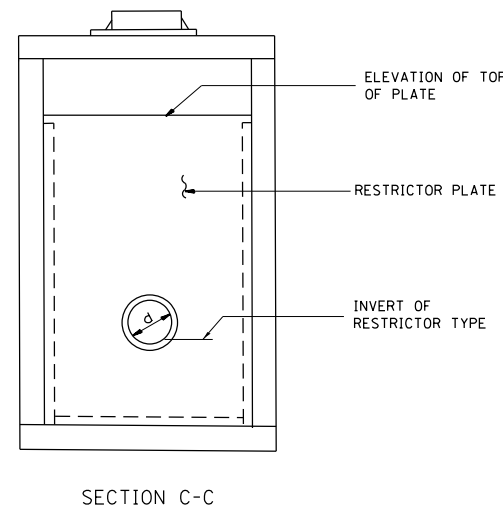
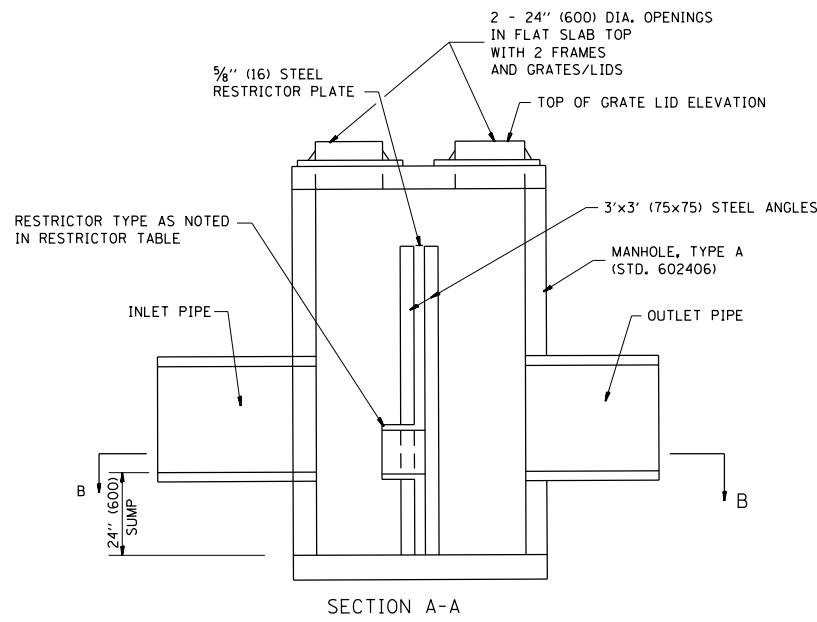
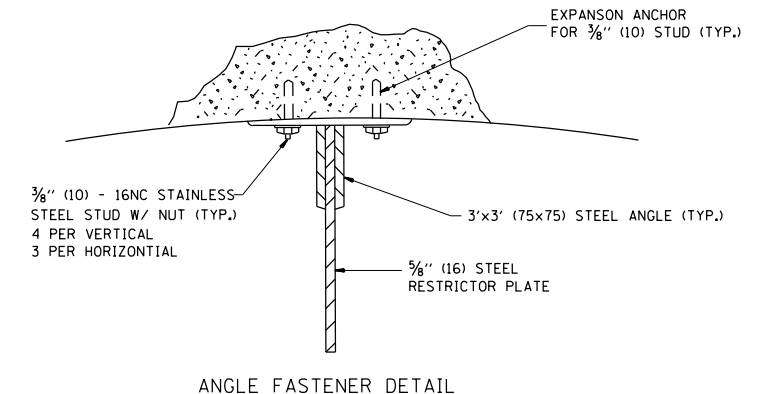
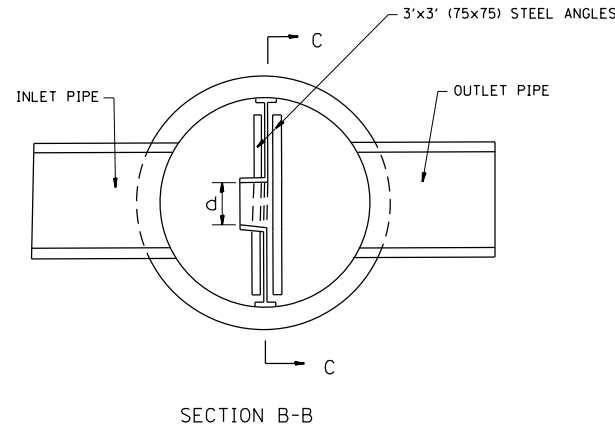
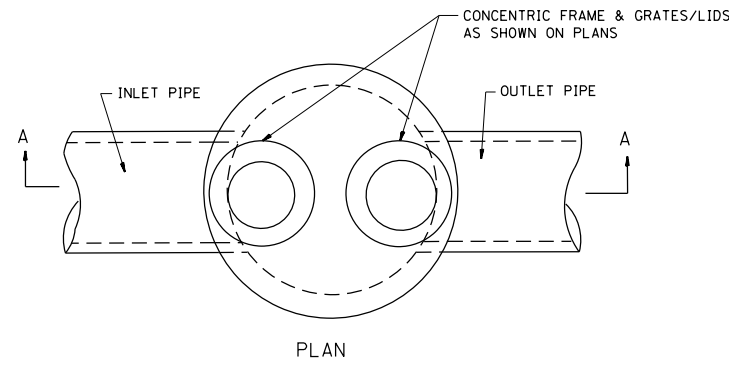
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

| | | | |
|--|-------------------------------|--------------------|--------------------------------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - R. SHAH | REVISED - R. WIEDEMAN 05-14-04 |
| pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\1425\Drawings\Design\DistStd.dgn | | | REVISED - R. BORO 01-01-07 |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - R. BORO 03-09-11 |
| | PLOT DATE = 4/3/2017 | DATE - 10-25-94 | REVISED - R. BORO 12-06-11 |

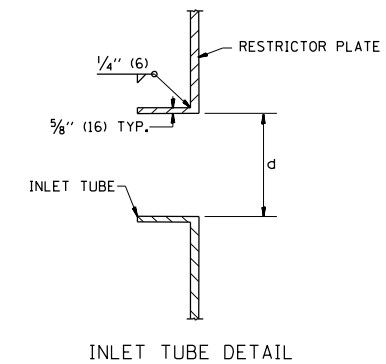
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-------------------------|------|---------|
| DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

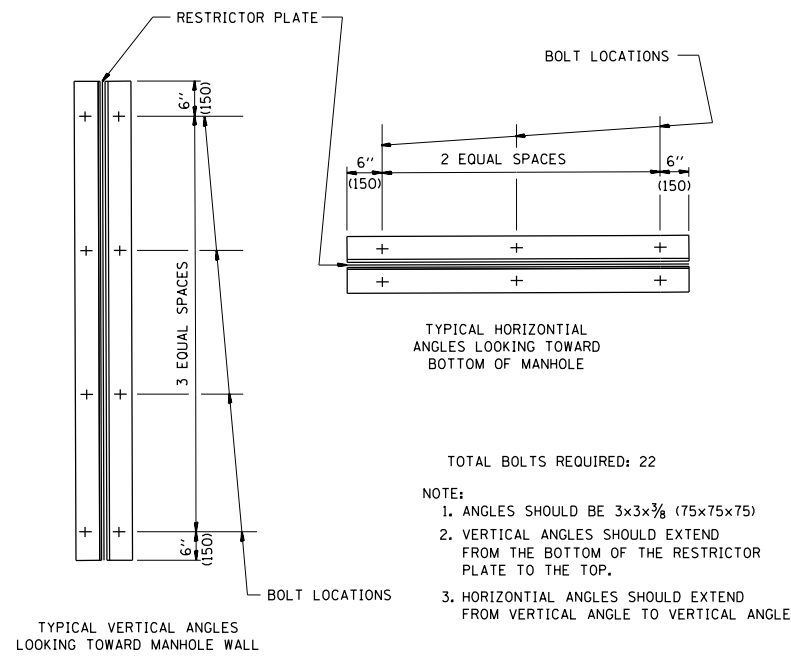
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|---|---------|---------------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 56 |
| BD600-03 (BD-8) | | CONTRACT NO. 60P05 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



| STATION | MANHOLE DIAMETER | FRAME AND GRATE | RESTRICTOR TYPE | INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d) | INVERT OF RESTRICTOR TYPE | ELEVATION OF TOP OF PLATE OVERFLOW |
|---------|------------------|-----------------|-----------------|--|---------------------------|------------------------------------|
| 18+65.4 | 6' | CL TYPE 1 | TYPE 3 | 18" | 700.0 | 704.5 |
| | | | | | | |
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| RESTRICTOR TYPE | | | | | |
|-----------------------|-------------|---------------------|--------------------|--------------------|---------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| RE-ENTRANT TUBE | SHARP EDGED | SQUARE EDGED | RE-ENTRANT TUBE | SQUARE EDGED | ROUNDED |
| | | | | | |
| LENGTH: 1/2 TO 1 DIA. | | STREAM CLEARS SIDES | LENGTH: 2-1/2 DIA. | LENGTH: 2-1/2 DIA. | |
| C=.52 | C=.61 | C=.61 | C=.73 | C=.82 | C=.98 |

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

| | | | |
|--|-----------------------|--------------------|-----------------------------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - R. SHAH | REVISED - R. SHAH 10-25-94 |
| pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI425\BAND\Design\DistStd.dgn | | CHECKED - | REVISED - E. GOMEZ 08-28-00 |
| PLOT SCALE = 100.0000' / in. | | DATE - 09-09-94 | REVISED - M. GOMEZ 01-08-01 |
| PLOT DATE = 4/3/2017 | | | REVISED - |

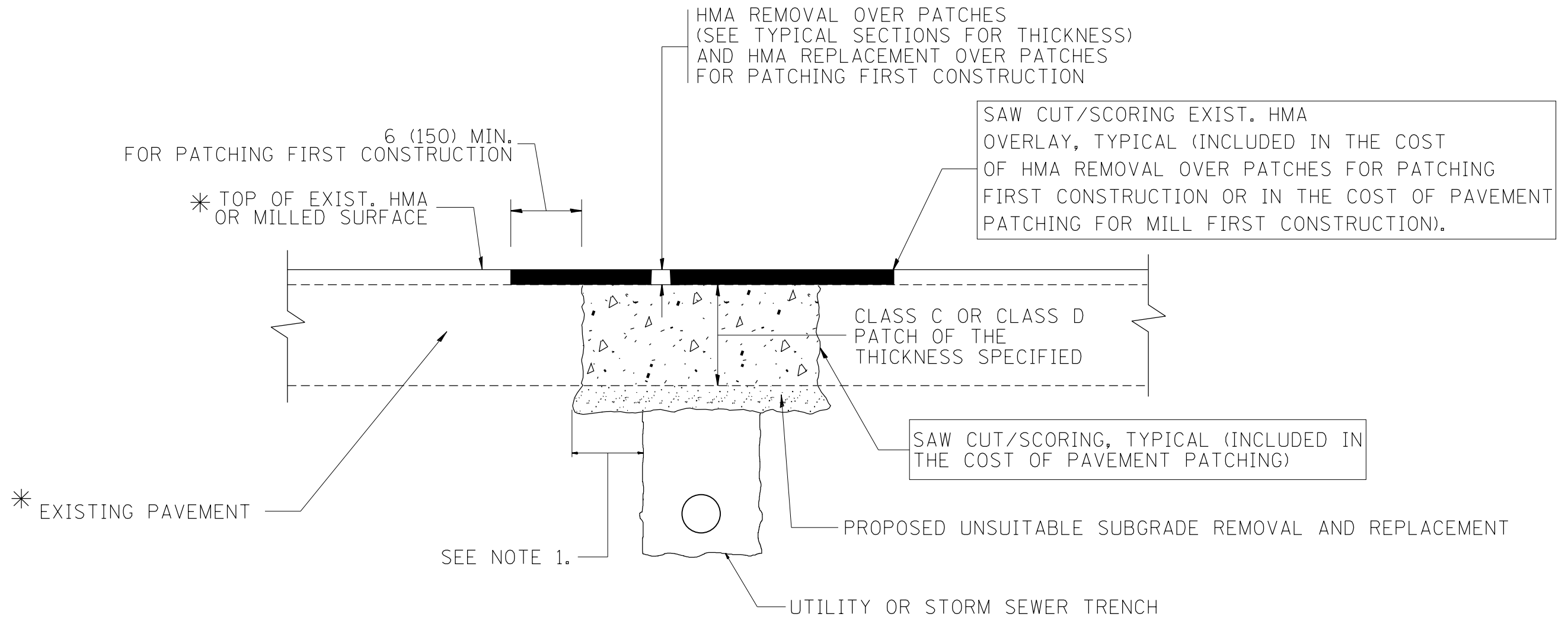
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHOLE WITH
RESTRICTOR PLATE

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

| | | | | |
|---|---------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 57 |
| BD600-04 (BD-12) | | CONTRACT NO. 60P05 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

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



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

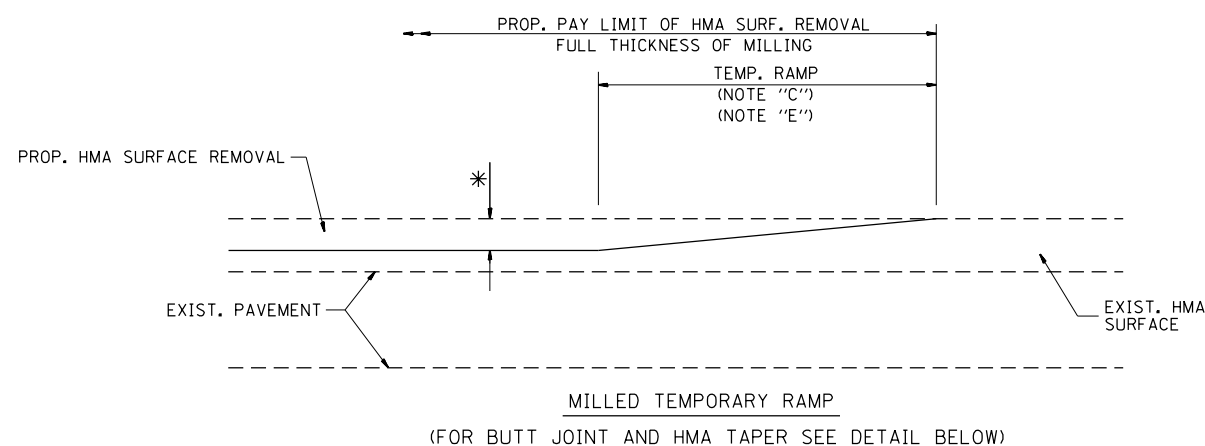
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

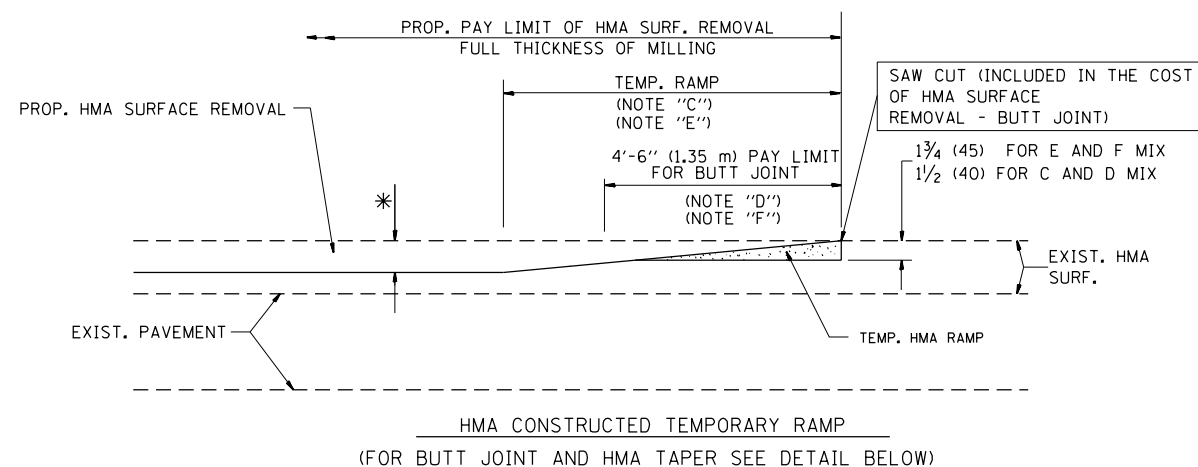
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

| | | | | | | | | | | | | |
|---|-------------------------------|--------------------|-----------------------------|---|--|-------------------------|------|--------------------|---|--------|--------------|-----------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pw\ill084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\PI425\BRAND\Design\DistStd.dgn | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - R. BORO 01-01-07 | | | | | 3778 | 3144-R | COOK | 79 | 58 |
| | PLOT DATE = 4/3/2017 | DATE - 10-25-94 | REVISED - R. BORO 09-04-07 | | BD400-04 (BD-22) | | | CONTRACT NO. 60P05 | | | | |
| | | | REVISED - K. ENG 10-27-08 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | |

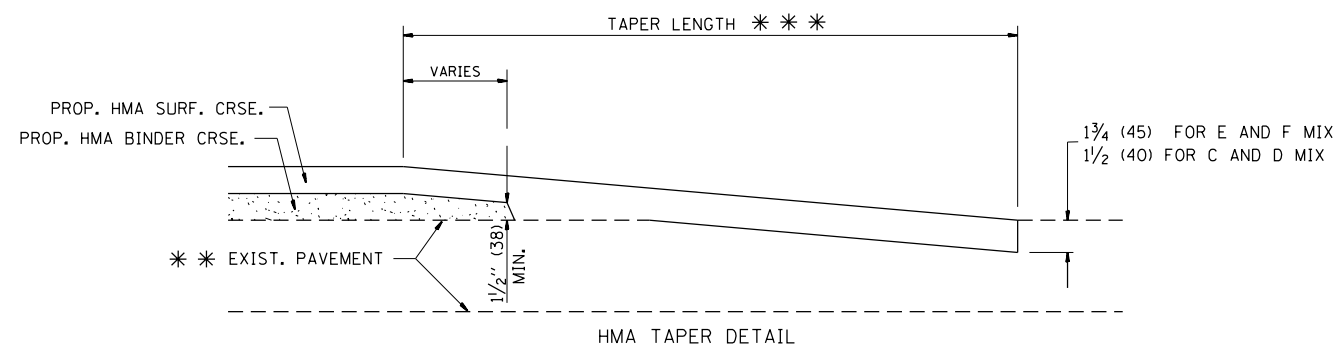
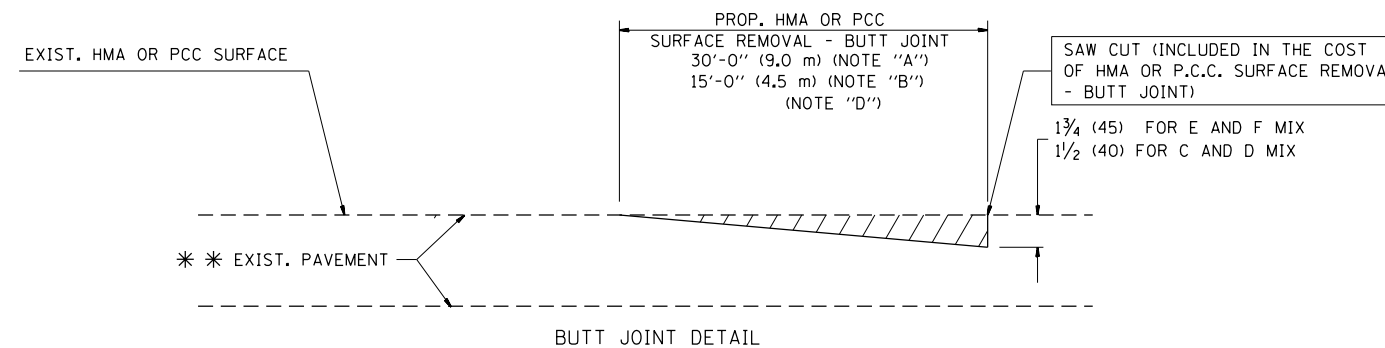


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

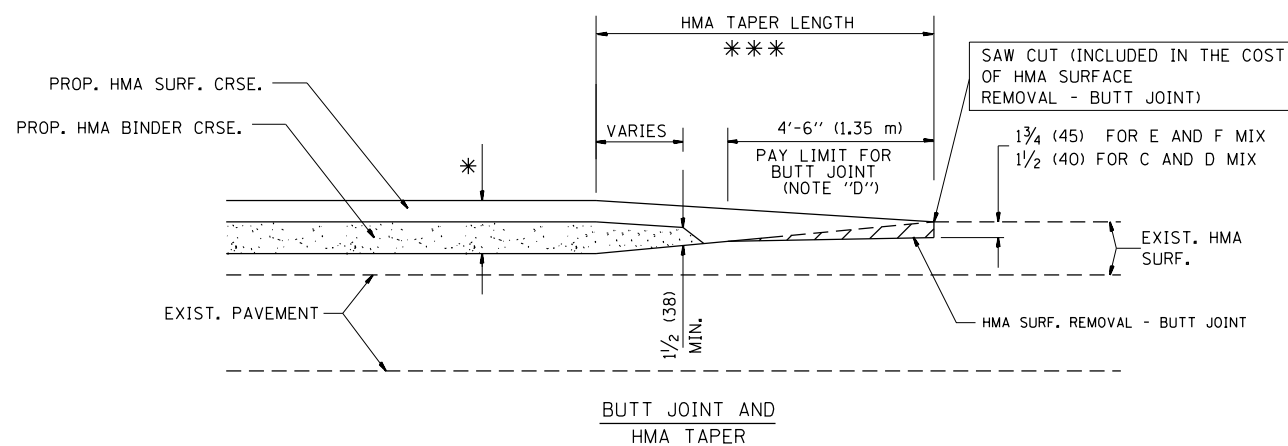
NOTES

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

BASIS OF PAYMENT:

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

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

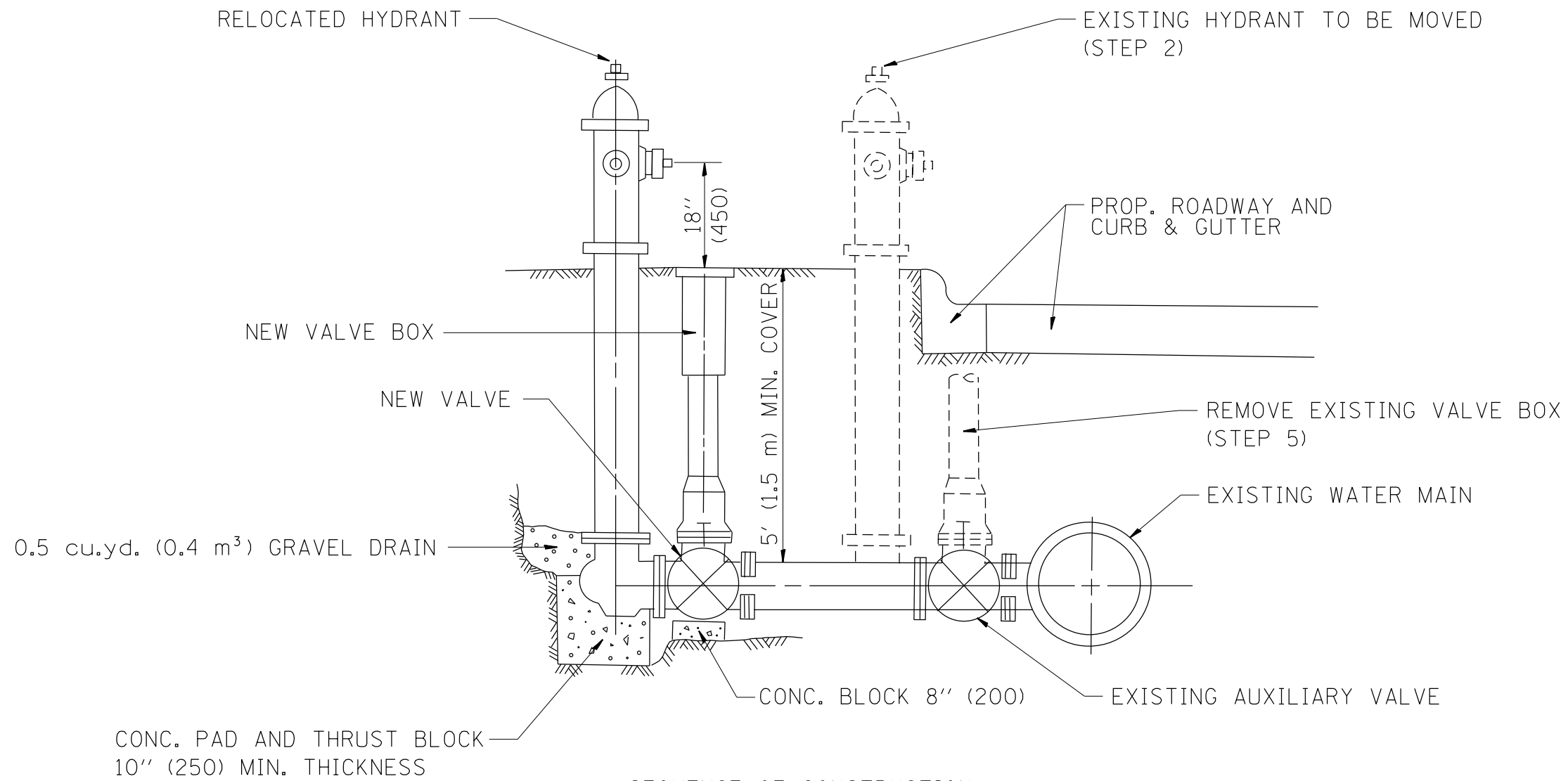
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| FILE NAME = | USER NAME = paraynoal | DESIGNED - M. DE YONG | REVISED - R. SHAH 10-25-94 |
| pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\1425\Drawings\Design\DistStd.dgn | | | REVISED - A. ABBAS 03-21-97 |
| | PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - M. GOMEZ 04-06-01 |
| | PLOT DATE = 4/3/2017 | DATE - 06-13-90 | REVISED - R. BORO 01-01-07 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

| | | | | |
|---|---------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 59 |
| BD400-05 BD32 | | CONTRACT NO. 60P05 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



SEQUENCE OF CONSTRUCTION:

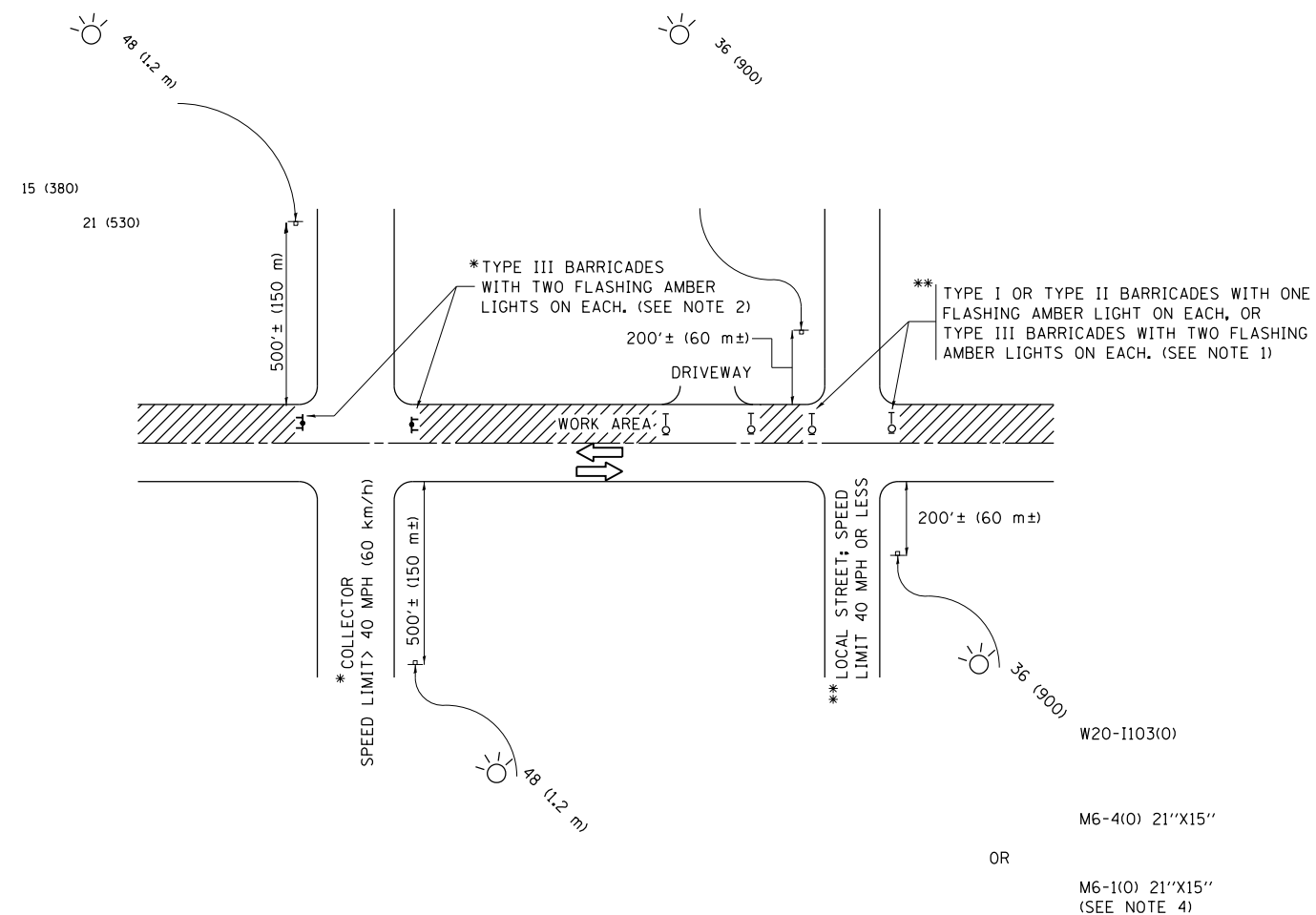
1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

| | | | | | | | | | | | | | |
|--|-----------------------|----------------------------|----------------------------|---|--|-------------------------|------|---------------|---------|---------------------------|--------------|-----------|----|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - R. SHAH 09-09-94 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | FIRE HYDRANT TO BE MOVED | | | F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\1425\BRAND\Design\DistStd.dgn | | REVISED - R. SHAH 10-25-94 | REVISED - | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | 3778 | 3144-R | COOK | 79 | 60 |
| PLOT SCALE = 100.0000' / 1in. | CHECKED - | REVISED - | REVISED - | | | | | BD-36 | | CONTRACT NO. 60P05 | | | |
| PLOT DATE = 4/3/2017 | DATE - | REVISED - | REVISED - | | <small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small> | | | | | | | | |



NOTES:

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 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. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

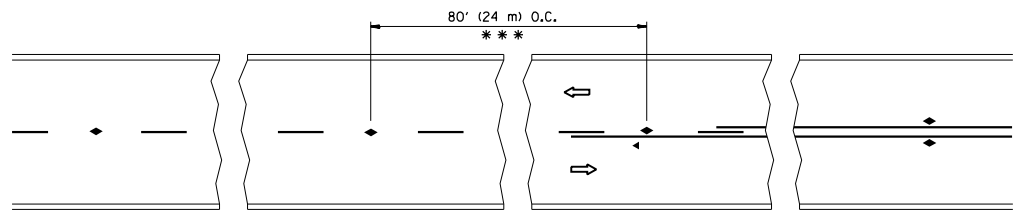
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| FILE NAME = | USER NAME = paraynoal | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96 |
| pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\P1425\DRAWING\Design\DistStd.dgn | | | REVISED - T. RAMMACHER 01-06-00 |
| Default | PLOT SCALE = 100.0000' / in. | CHECKED - | REVISED - A. SCHUETZE 07-01-13 |
| | PLOT DATE = 4/3/2017 | DATE - 06-89 | REVISED - A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

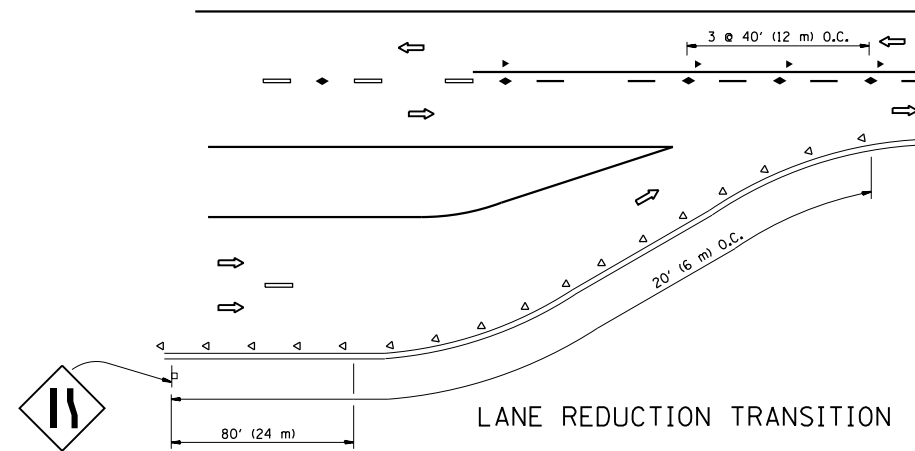
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|---------------------------|-----------|
| 3778 | 3144-R | COOK | 79 | 61 |
| TC-10 | | | CONTRACT NO. 60P05 | |
| ILLINOIS FED. AID PROJECT | | | | |

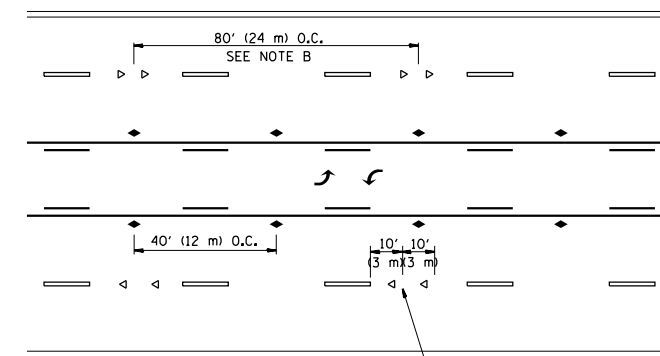


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

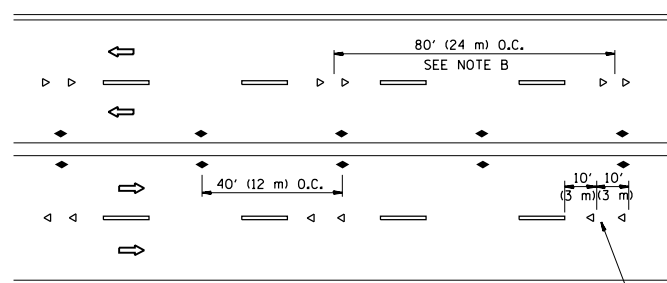
TWO-LANE/TWO-WAY



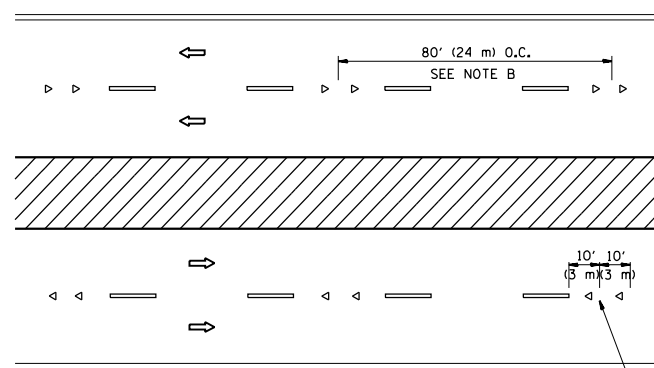
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

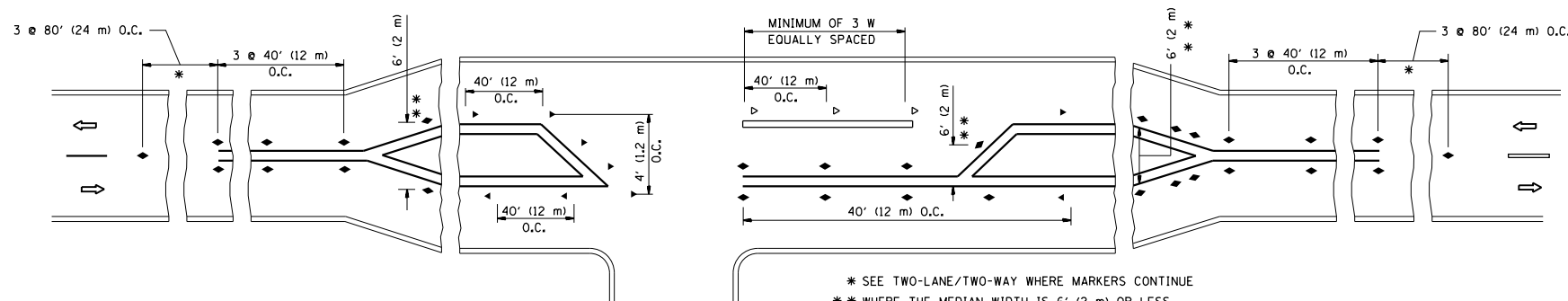
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

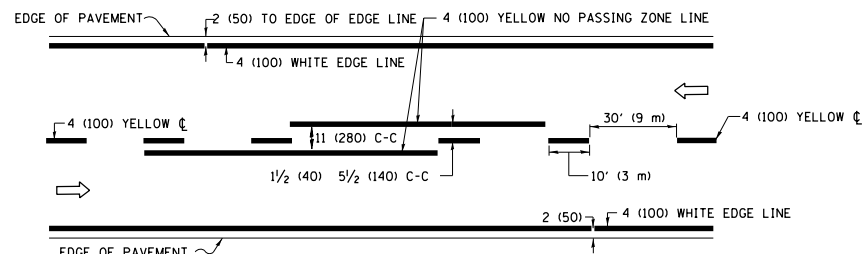
All dimensions are in inches (millimeters) unless otherwise shown.

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|---|----------------------|------------|---------------------------------|
| FILE NAME = | USER NAME = parayno1 | DESIGNED - | REVISED - T. RAMMACHER 09-19-94 |
| pw:\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\P1425\Drawings\Design\DistStd.dgn | | CHECKED - | REVISED - T. RAMMACHER 03-12-99 |
| | | DATE - | REVISED - T. RAMMACHER 01-06-00 |
| | | | REVISED - C. JUCIUS 09-09-09 |

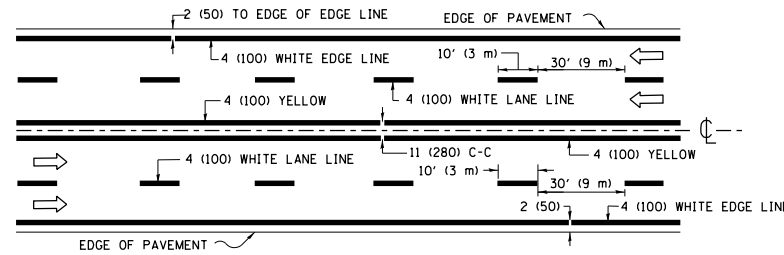
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

| TYPICAL APPLICATIONS | | | |
|--|-------------------------|------|---------|
| RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

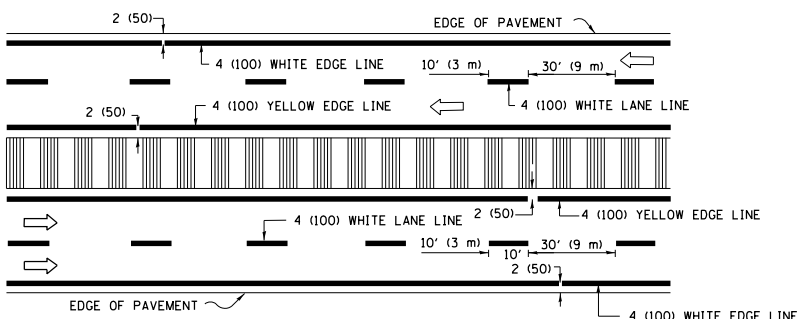
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|--------------------|-----------|
| 3778 | 3144-R | COOK | 79 | 62 |
| TC-11 | | | CONTRACT NO. 60P05 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



2-LANE ROADWAY

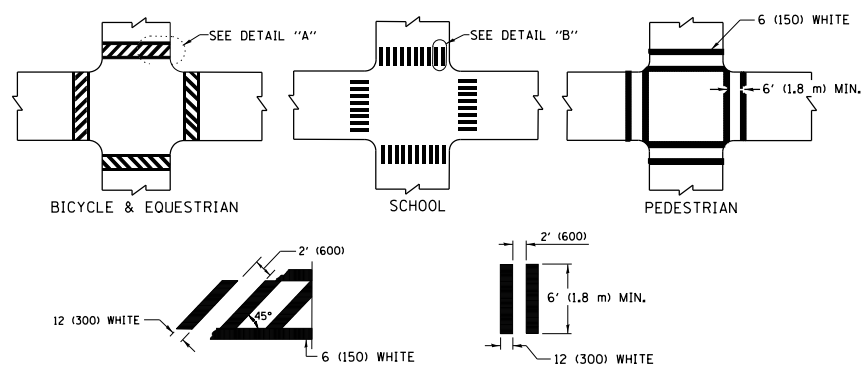


MULTI-LANE UNDIVIDED



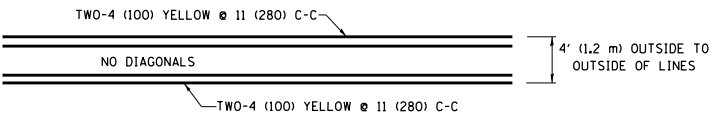
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

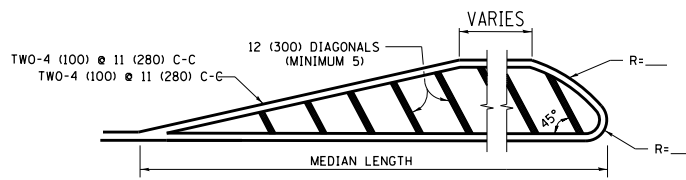


TYPICAL CROSSWALK MARKING

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

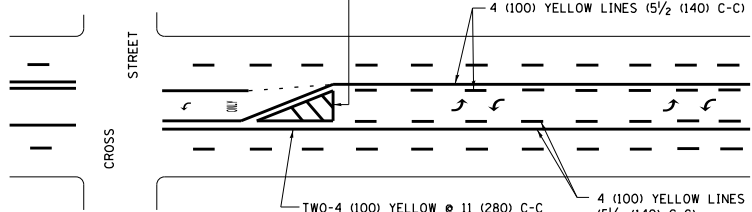


4' (1.2 m) WIDE MEDIANS ONLY

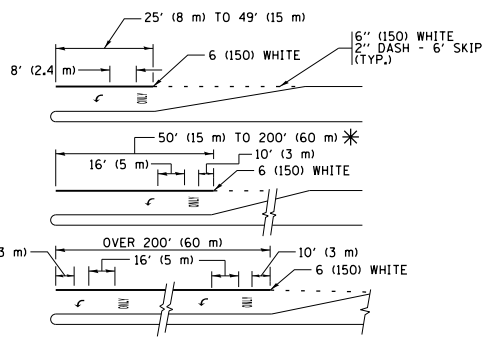


MEDIANS OVER 4' (1.2 m) WIDE

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))

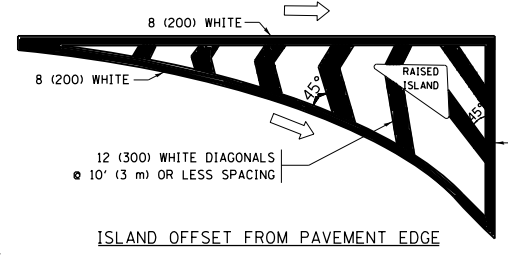


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

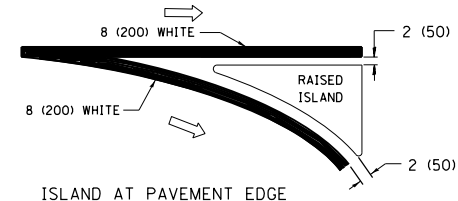


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

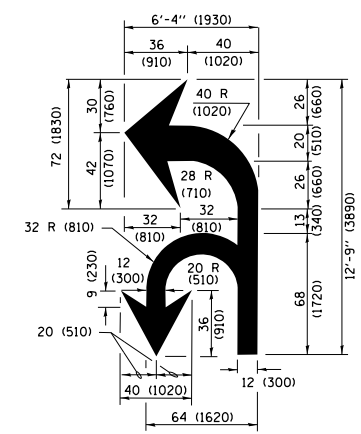
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



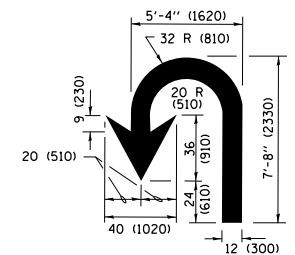
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

| 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 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.

| | | | |
|---|------------------------------|------------------|------------------------------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
| pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\PI425\DRAMA\Design\DistStd.dgn | | CHECKED - | REVISED - C. JUCIUS 07-01-13 |
| Default | PLOT SCALE = 100.0000' / in. | DATE - 03-19-90 | REVISED - C. JUCIUS 12-21-15 |
| | PLOT DATE = 4/3/2017 | | REVISED - C. JUCIUS 04-12-16 |

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

| | | | |
|---|---------|-------------|--------------|
| DISTRICT ONE TYPICAL PAVEMENT MARKINGS | | | |
| SCALE: NONE | SHEET 1 | OF 1 SHEETS | STA. TO STA. |

| | | | | |
|---------------------------|---------|---------------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 63 |
| TC-13 | | CONTRACT NO. 60P05 | | |
| ILLINOIS FED. AID PROJECT | | | | |

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

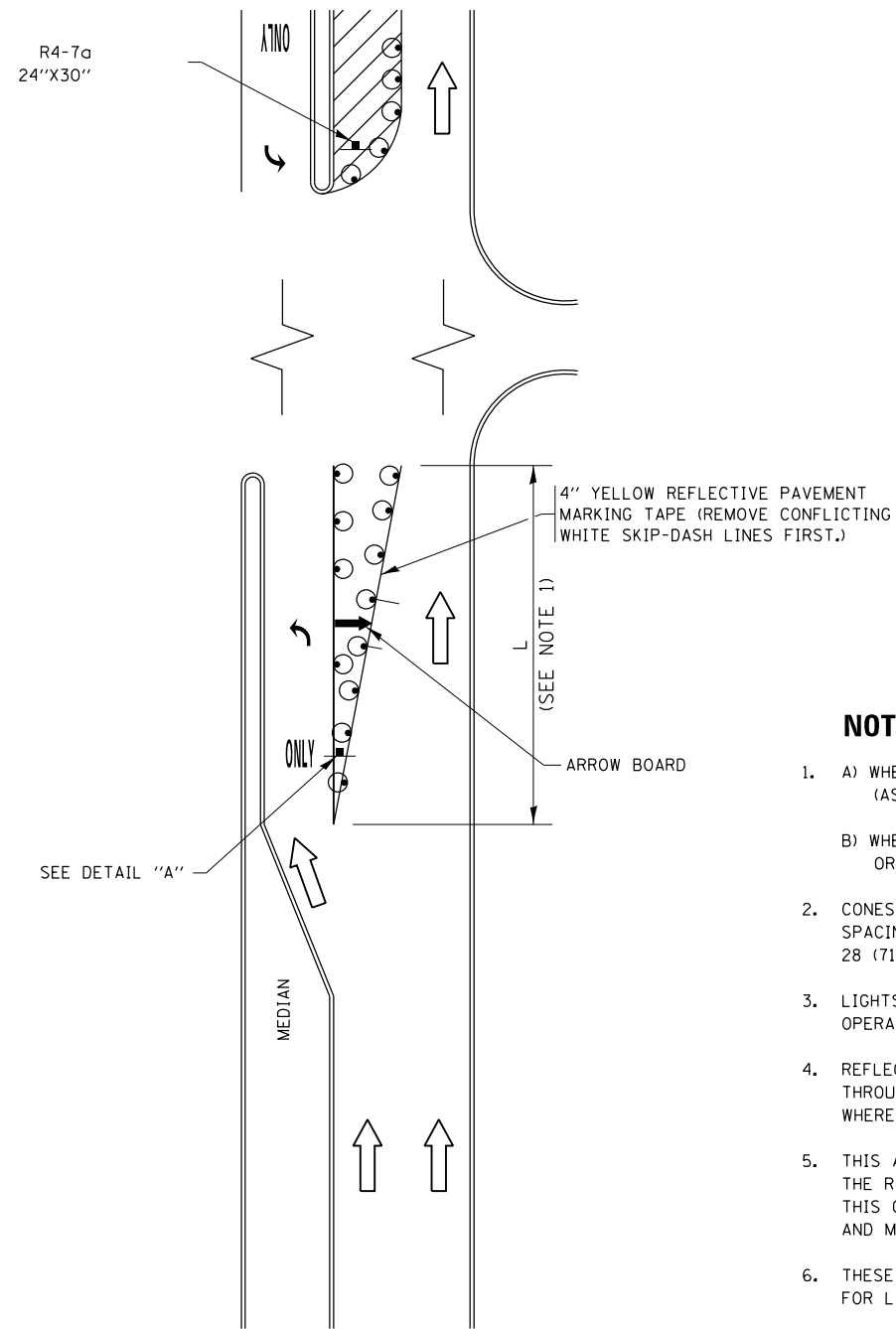
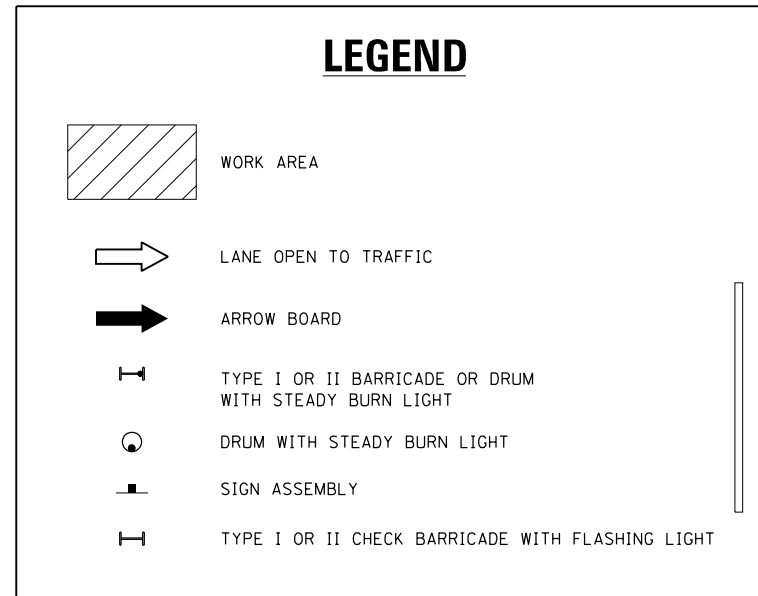


FIGURE 1



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

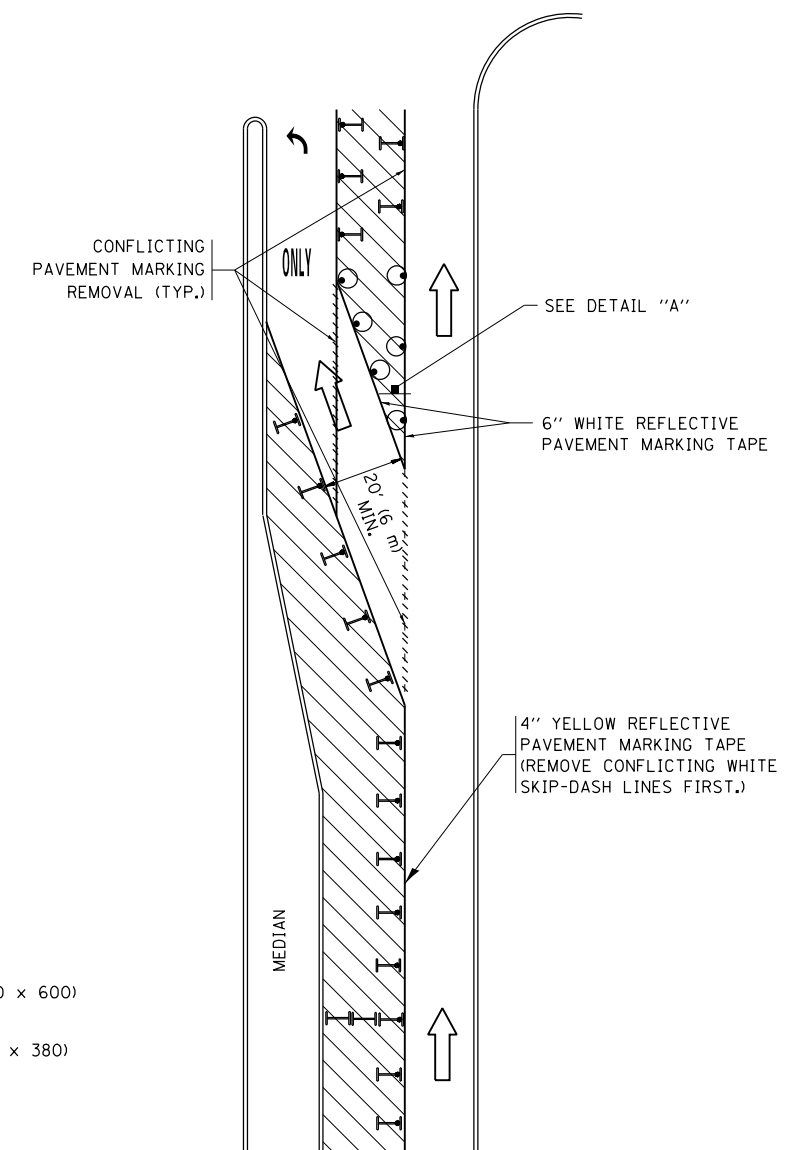
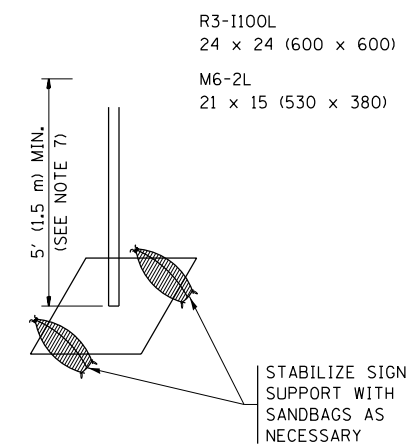


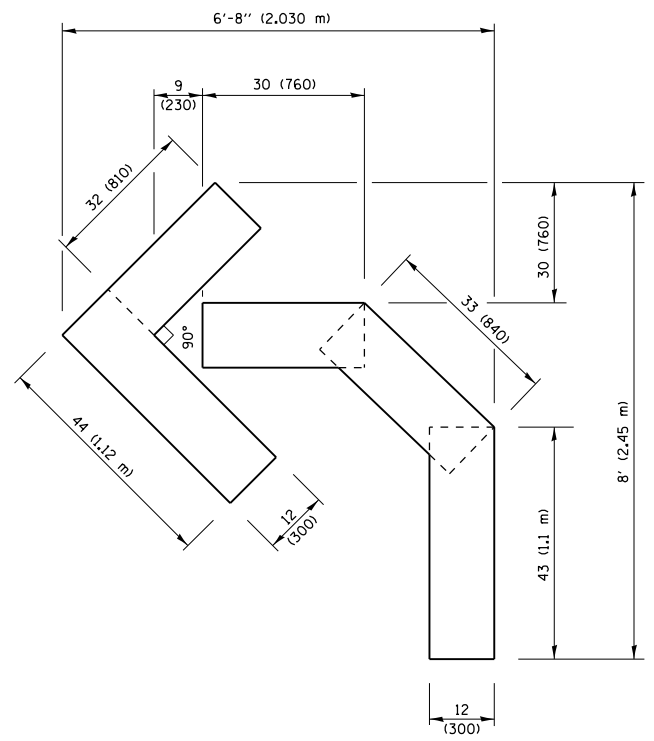
FIGURE 2



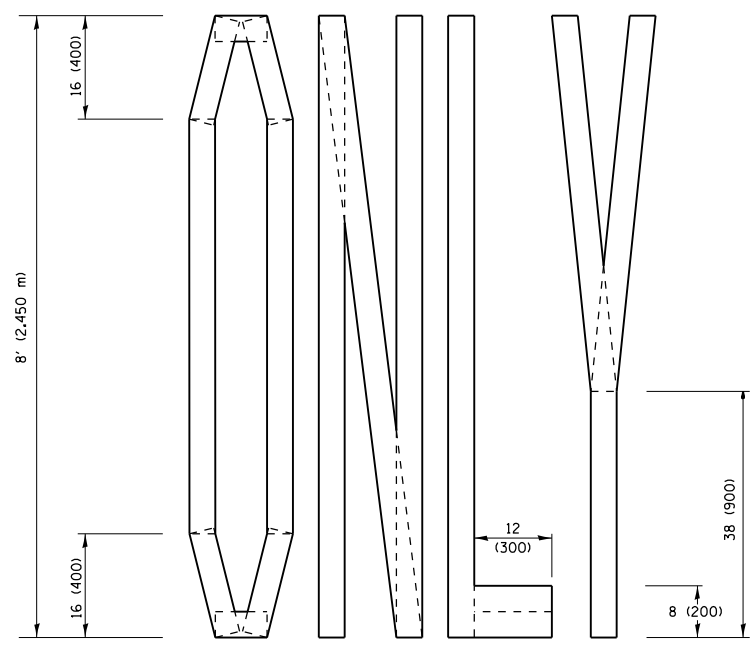
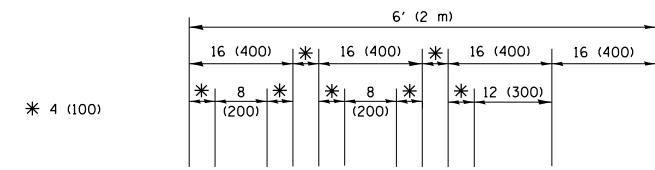
DETAIL A

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

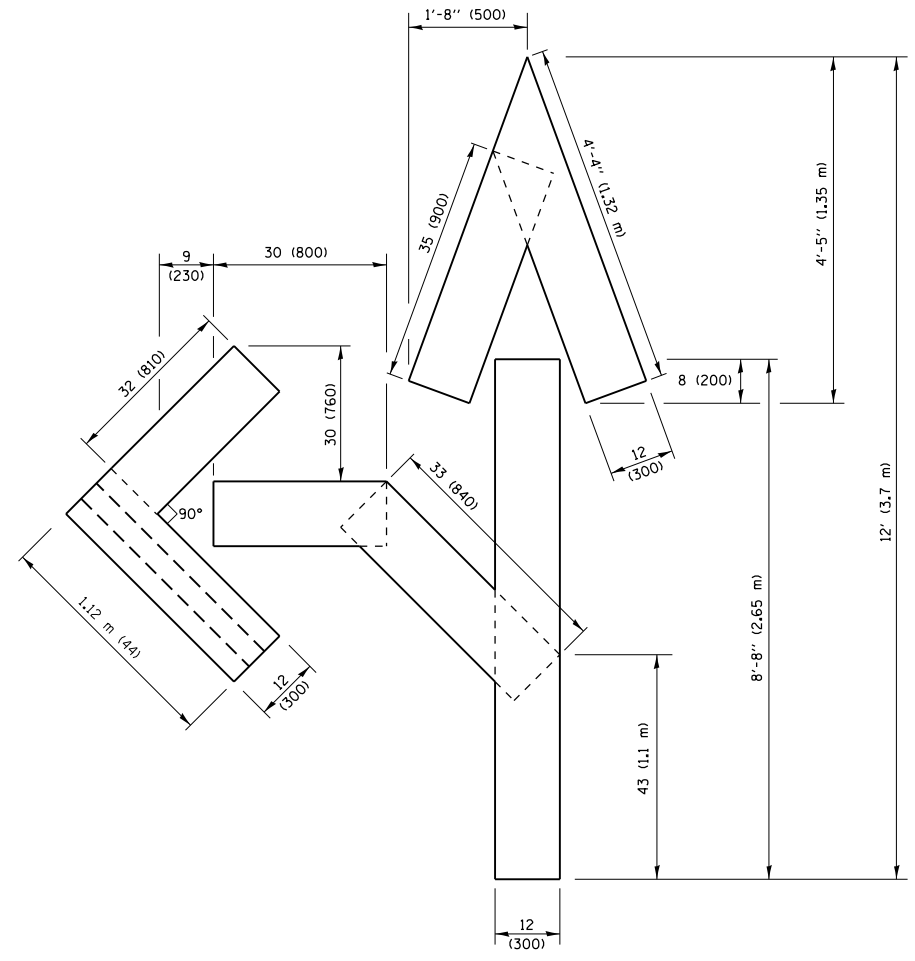
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|--|------------------------------|---------------------------------|--------------------------------|---|--|---------------|---------|---------------------------|--------------|--------------|--|
| FILE NAME = | USER NAME = paraynoal | REVISED - T. RAMMACHER 09-08-94 | REVISED - R. BORO 09-14-09 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) | F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\P1423\REVISED\Design\HOUSEH 11-07-95 | REVISED - A. HOUSEH 11-07-95 | REVISED - A. SCHUETZE 07-01-13 | REVISED - A. SCHUETZE 07-01-13 | | | 3778 | 3144-R | COOK | 79 | 64 | |
| Default | PLOT SCALE = 100.0000' / in. | REVISED - A. HOUSEH 10-12-96 | REVISED - A. SCHUETZE 09-15-16 | | | TC-14 | | CONTRACT NO. 60P05 | | | |
| | PLOT DATE = 4/3/2017 | REVISED - T. RAMMACHER 01-06-00 | REVISED - | | | SCALE: NONE | | SHEET 1 OF 1 SHEETS | | STA. TO STA. | |



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

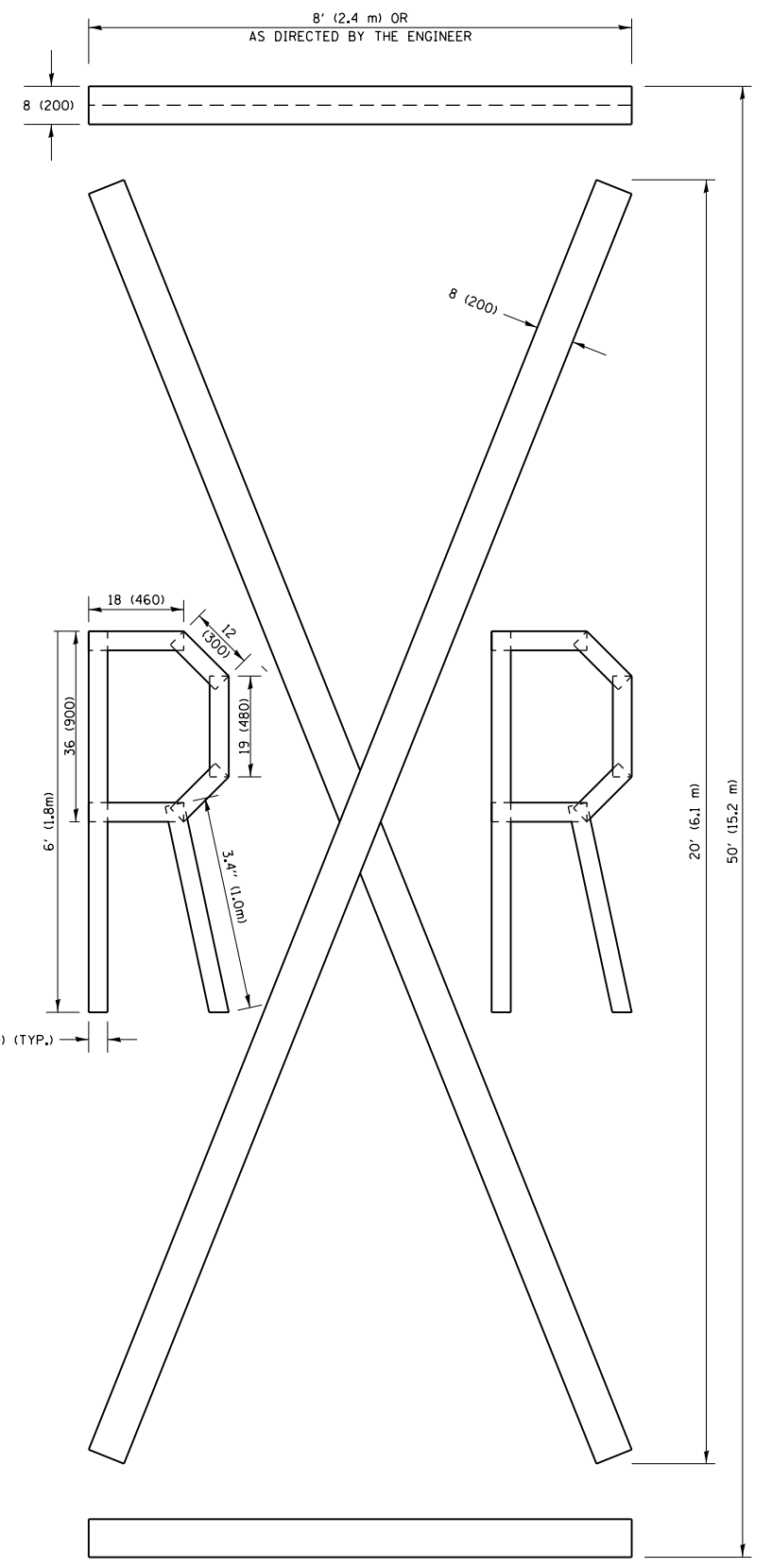


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED
 IN LINEAR FEET OF 4" LINES TO MATCH THE
 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS
 THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

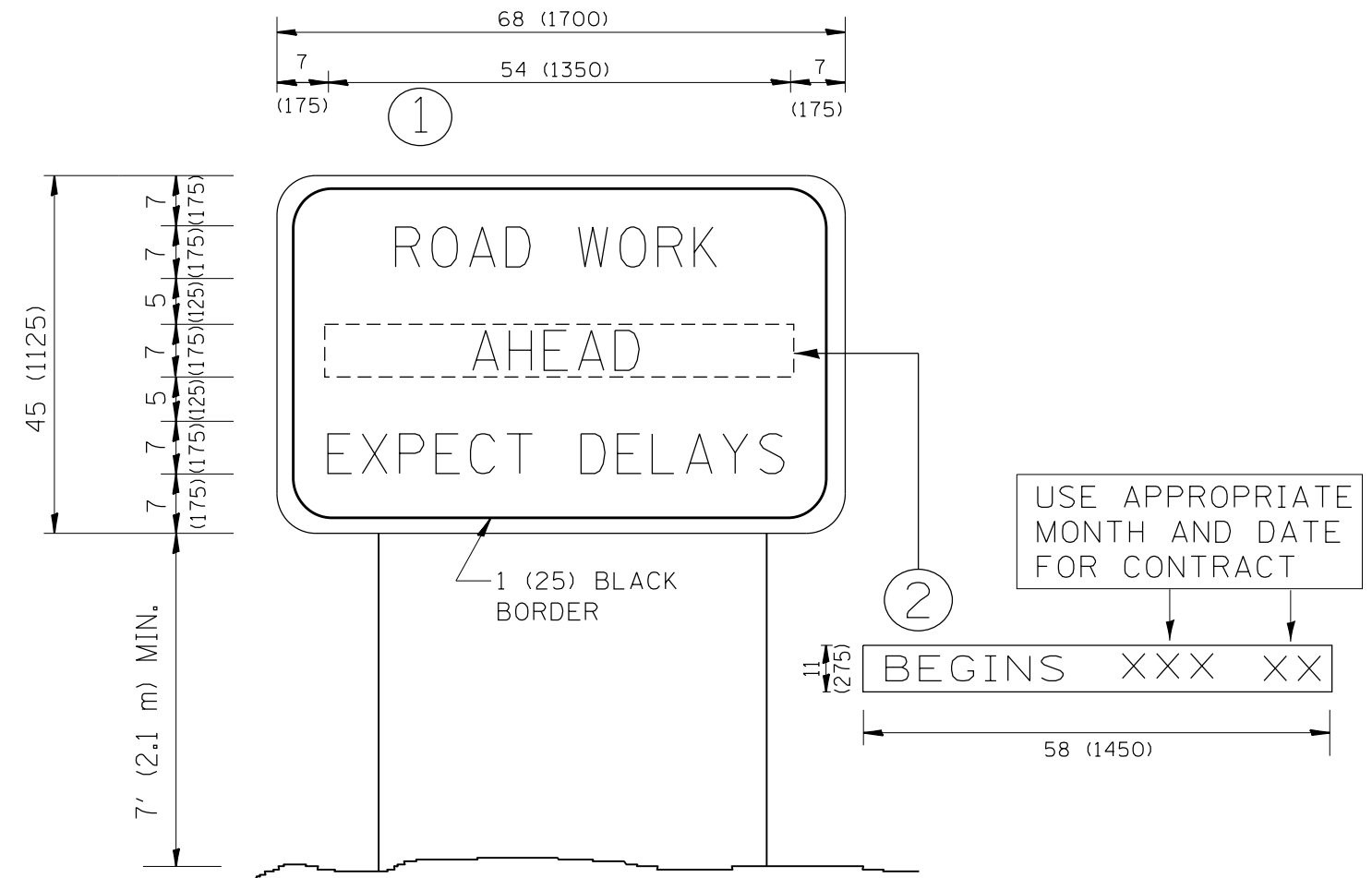
All dimensions are in inches (millimeters)
 unless otherwise shown.

| | | | |
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| | | DATE - 09-18-94 | REVISED -E. GOMEZ 08-28-00 |
| | | | REVISED -A. SCHUETZE 09-15-16 |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-------------------------|------|---------|
| SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS | | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

| | | | | |
|---|---------|---------------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 65 |
| TC-16 | | CONTRACT NO. 60P05 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



NOTES:

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

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

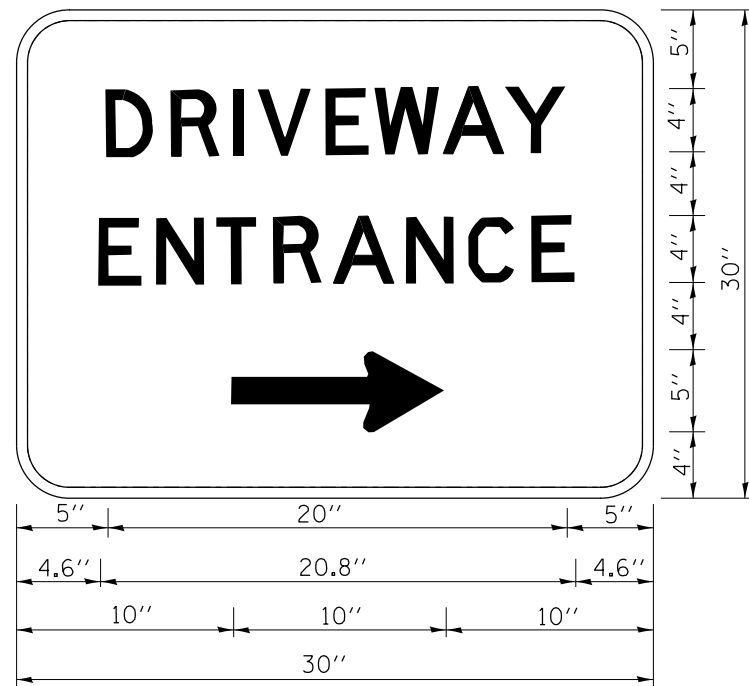
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| p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\1425\Drawings\Design\DistStd.dgn | | CHECKED - | REVISED - R. MIRS 12-11-97 |
| | | PLOT SCALE = 100.0000' / 1in. | REVISED - T. RAMMACHER 02-02-99 |
| | | DATE - | REVISED - C. JUCIUS 01-31-07 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

| | | | | |
|---|---------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 66 |
| TC-22 | | CONTRACT NO. 60P05 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

| | | | |
|--|-------------------------------|------------|------------------------------|
| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - C. JUCIUS 02-15-07 |
| p:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\1425\BRAND\Design\DistStd.dgn | | CHECKED - | REVISED - |
| | PLOT SCALE = 100.0000' / 1in. | DATE - | REVISED - |
| | PLOT DATE = 4/3/2017 | | |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

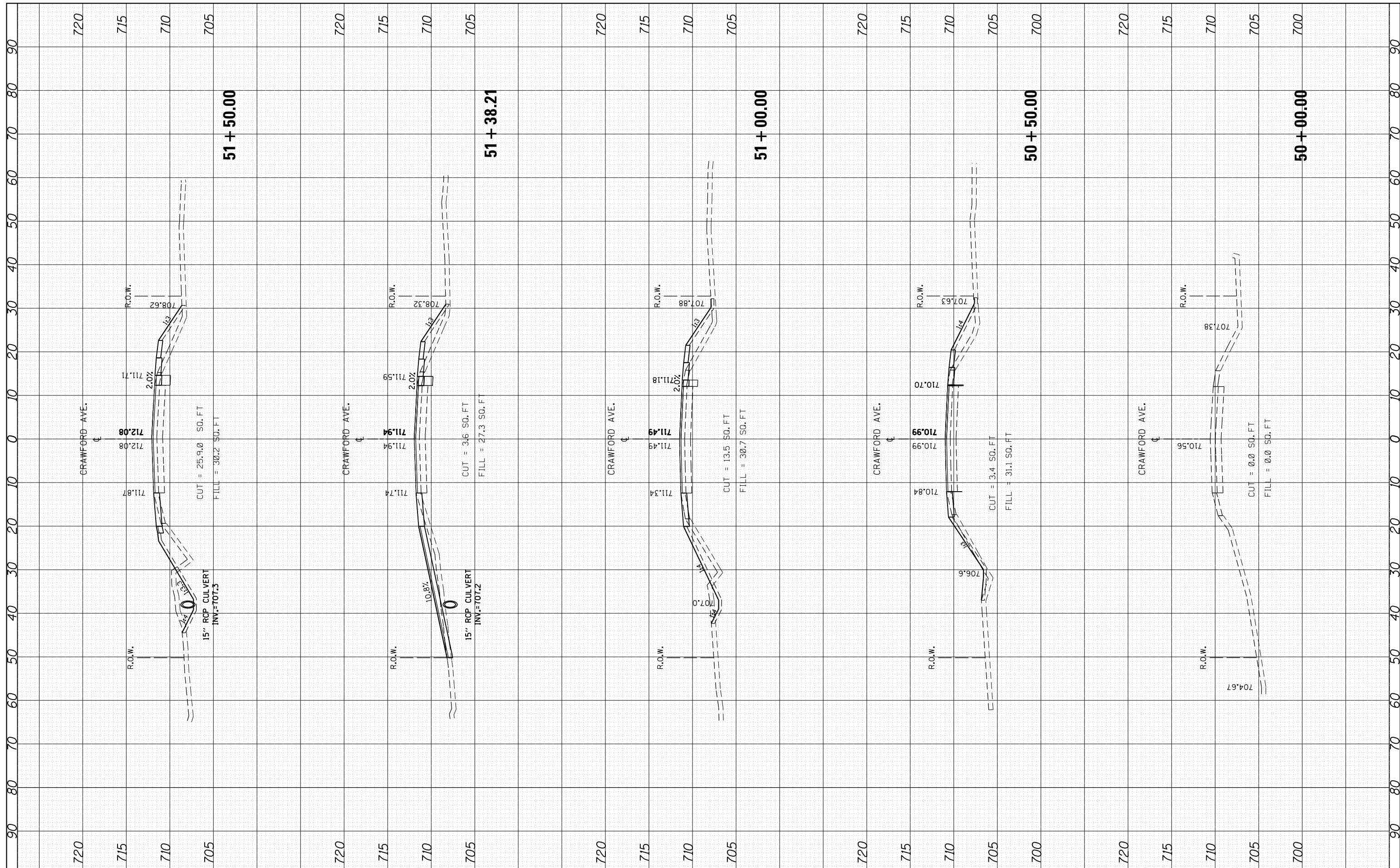
DRIVEWAY ENTRANCE SIGNING

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

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|---------------------------|-----------|
| 3778 | 3144-R | COOK | 79 | 67 |
| TC-26 | | | CONTRACT NO. 60P05 | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

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

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



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 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 4/4/2017

| | |
|------------|-----------|
| DESIGNED - | REVISED - |
| CHECKED - | REVISED - |
| DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

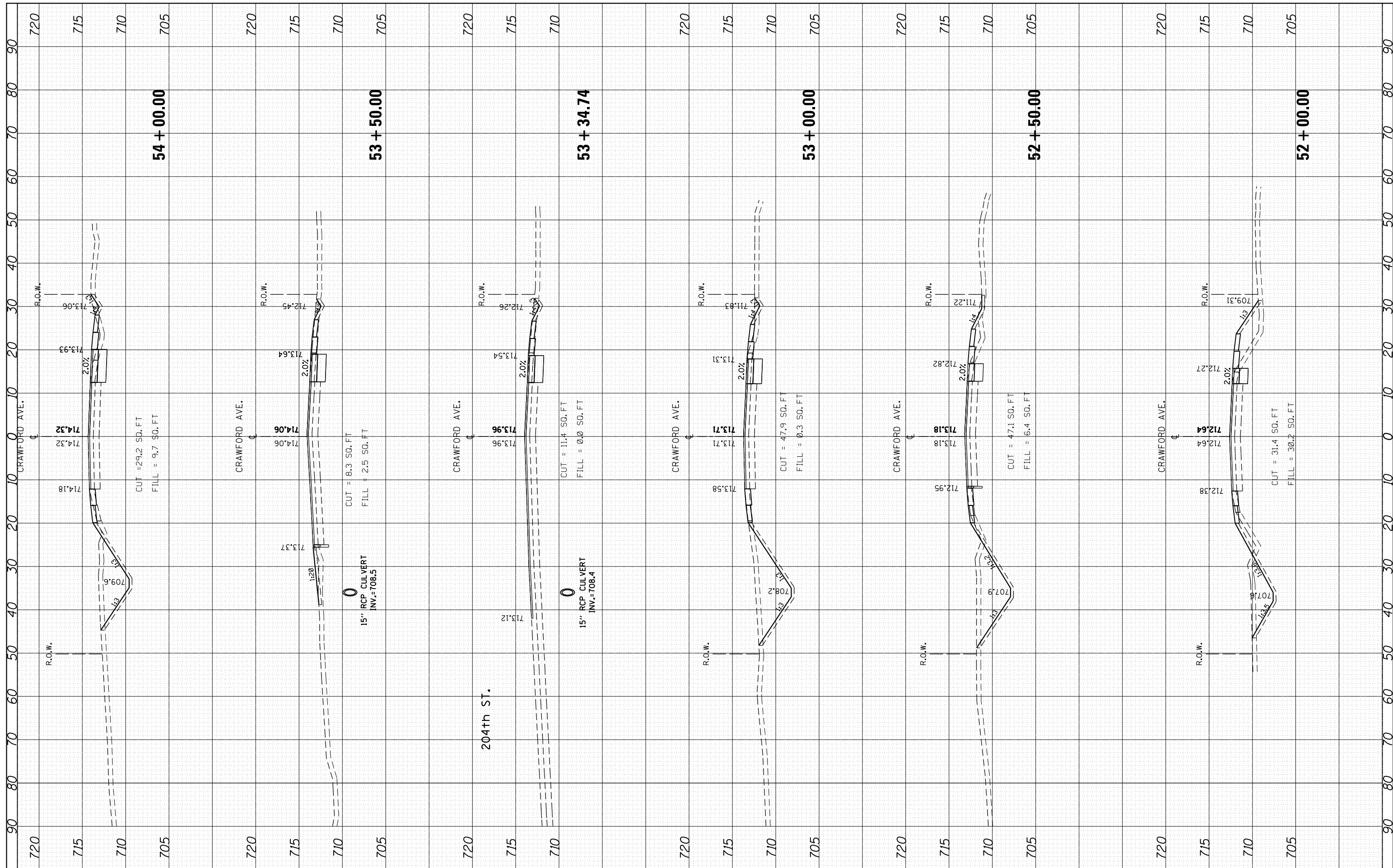
**PULASKI RD/CRAWFORD AVE. CROSS SECTIONS
 CRAWFORD AVE. AT 203rd ST.**
 H: 1"=10'
 SCALE: V: 1"=5'

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.U. RTÉ. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 68 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SHEET NO. OF SHEETS STA. 50+00.00 TO STA. 51+50.00

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| AREAS CHECKED | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| AREAS CHECKED | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = p:\11084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\P142599\CAD\DRAWING\PI42599-sht-xssht-Crawford.dgn
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 DESIGNED -
 REVISIONS:
 REVISIONS:
 REVISIONS:
 REVISIONS:
 PLOT SCALE = 20.0000' / in.
 CHECKED -
 DATE -
 PLOT DATE = 4/4/2017

| | |
|------------|-------------|
| DESIGNED - | REVISIONS - |
| CHECKED - | REVISIONS - |
| DATE - | REVISIONS - |

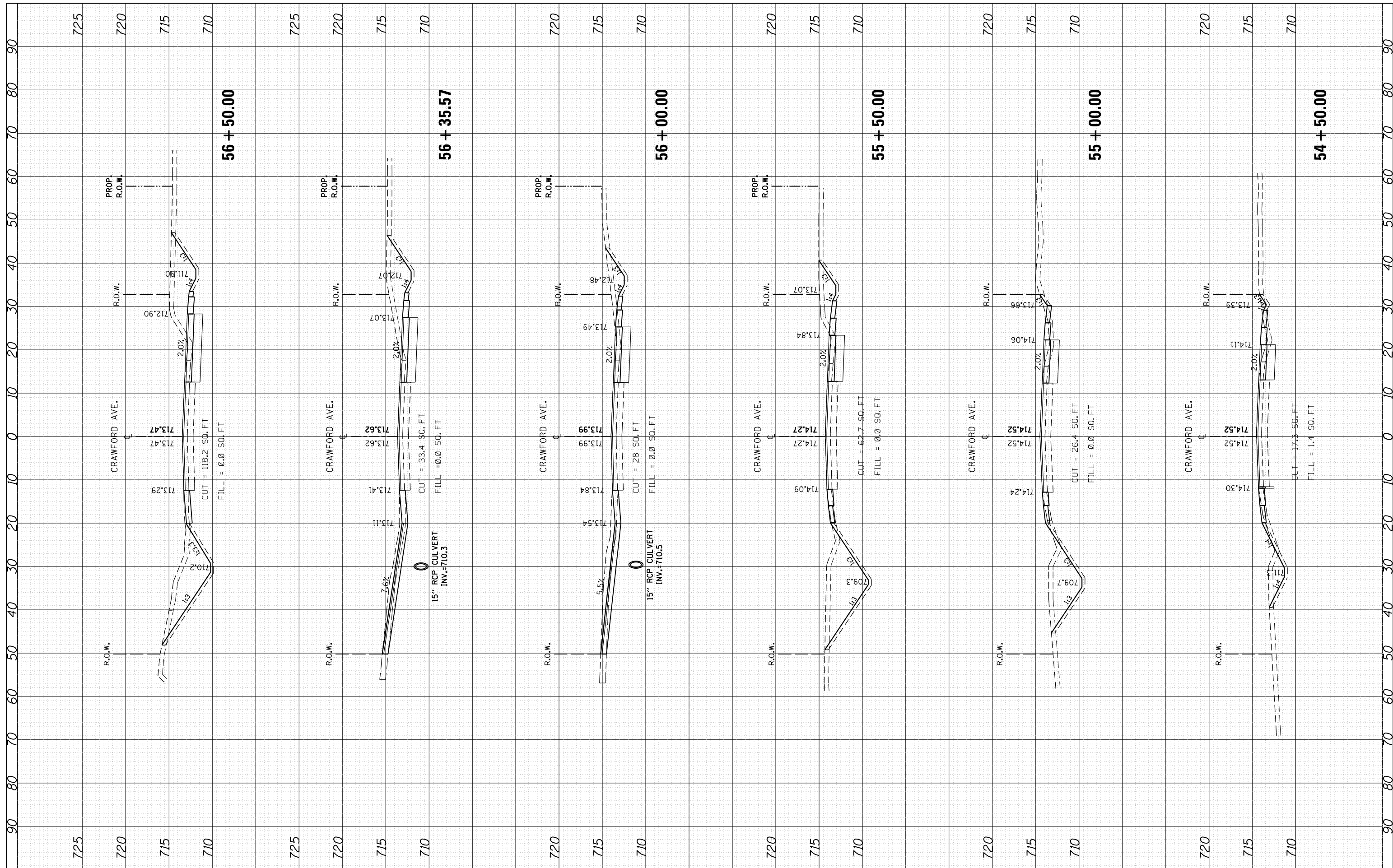
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PULASKI RD/CRAWFORD AVE. CROSS SECTIONS
CRAWFORD AVE. AT 203rd ST.**
 H: 1"=10'
 SCALE: V: 1"=5'
 SHEET NO. OF SHEETS STA. 52+00.00 TO STA. 54+00.00

| | | | | |
|---------------------------|----------------|-------------|-----------------|--------------|
| F.A.U. R.T.E. 3778 | SECTION 3144-R | COUNTY COOK | TOTAL SHEETS 79 | SHEET NO. 69 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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



FILE NAME =
 USER NAME = paraynoal
 DESIGNED -
 REVISIONS -
 CHECKED -
 DATE -

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 REVISIONS -
 CHECKED -
 DATE -

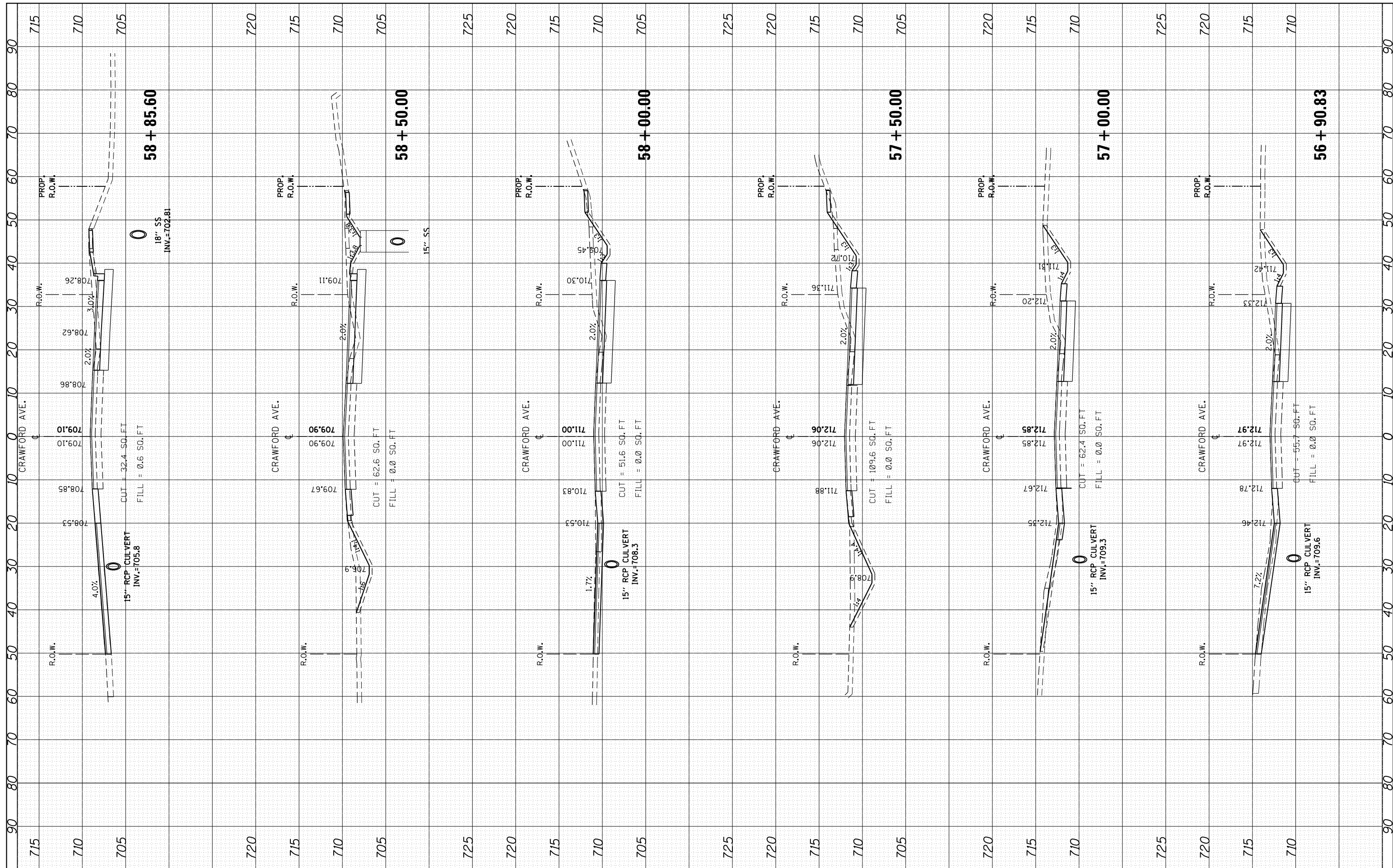
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PULASKI RD/CRAWFORD AVE. CROSS SECTIONS
CRAWFORD AVE. AT 203rd ST.
 H: 1"=10'
 SCALE: V: 1"=5' SHEET NO. OF SHEETS STA. 54+50.00 TO STA. 56+50.00

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 70 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = ...
 USER NAME = paraynoal
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 4/4/2017

DESIGNED -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PULASKI RD./CRAWFORD AVE. CROSS SECTIONS
 CRAWFORD AVE. AT 203rd ST.**

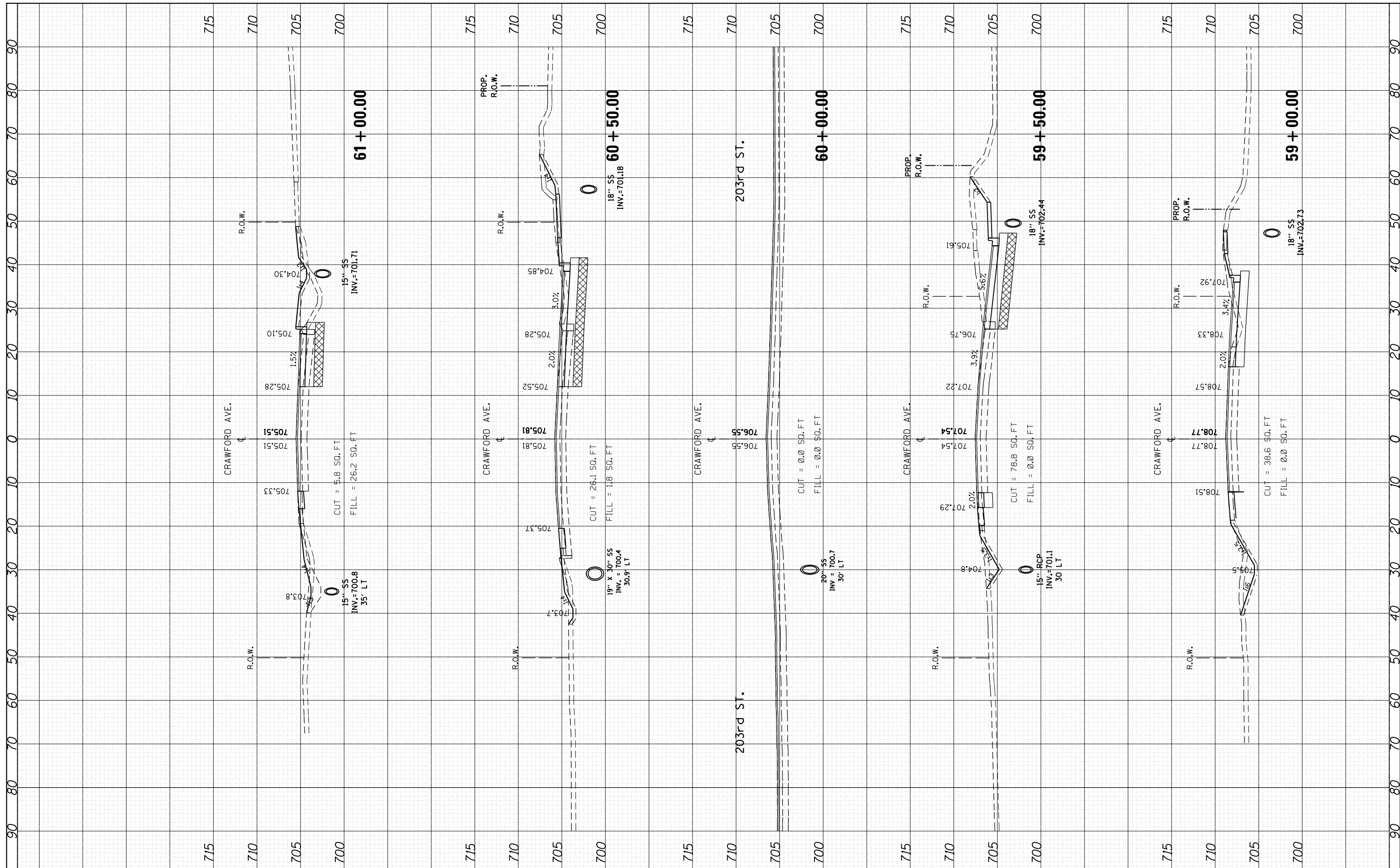
H: 1"=10'
 SCALE: V: 1"=5'

SHEET NO. OF SHEETS STA. 56+90.83 TO STA. 58+85.60

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.U. RTÉ. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 71 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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



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 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 4/4/2017

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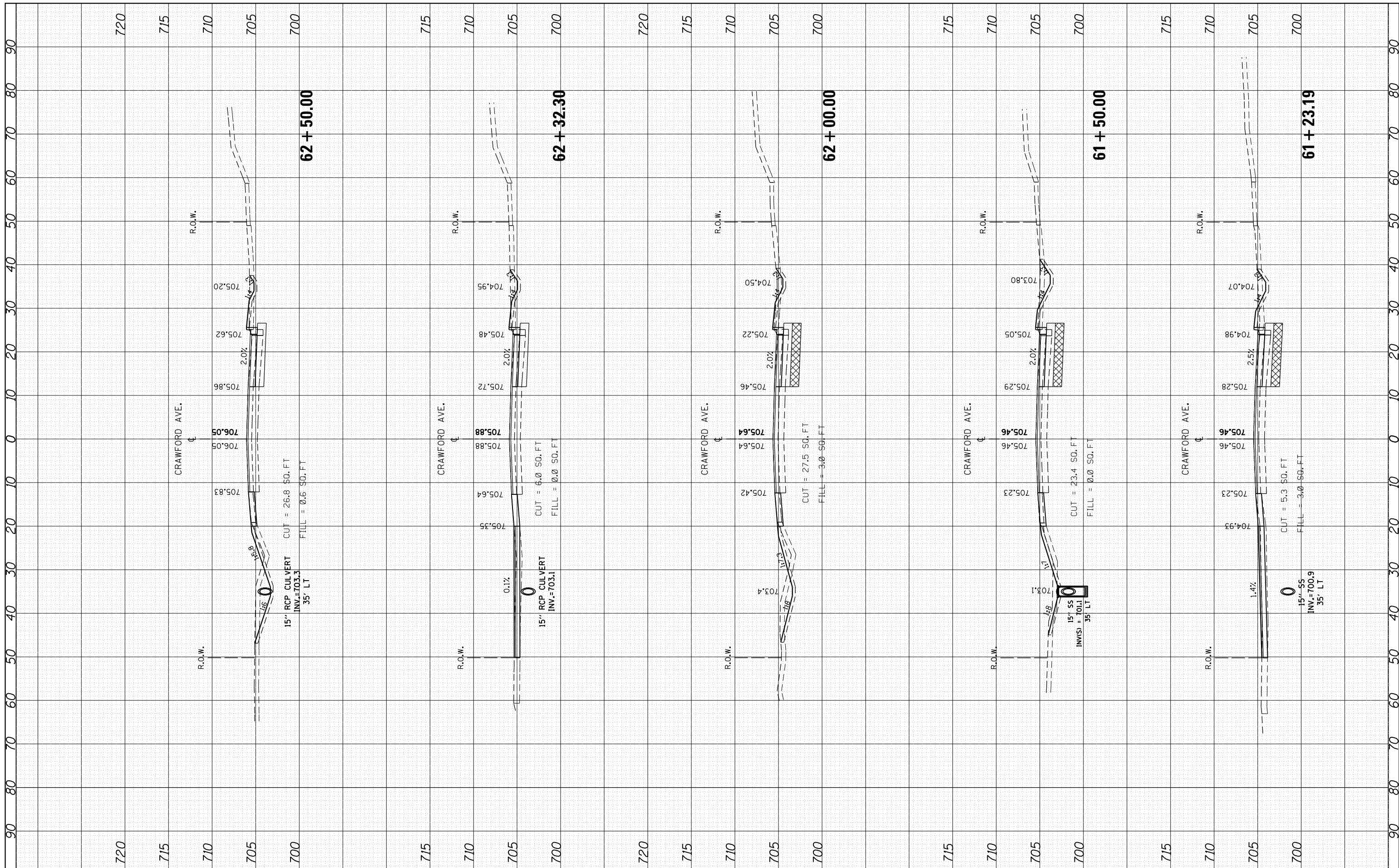
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PULASKI RD./CRAWFORD AVE. CROSS SECTIONS
 CRAWFORD AVE. AT 203rd ST.**
 H: 1"=10'
 SCALE: V: 1"=5'

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|---------------------------|---------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 72 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| AREAS CHECKED | TEMPLATE | | |
| | AREAS CHECKED | | |

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| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| AREAS CHECKED | TEMPLATE | | |
| | AREAS CHECKED | | |



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 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 4/4/2017

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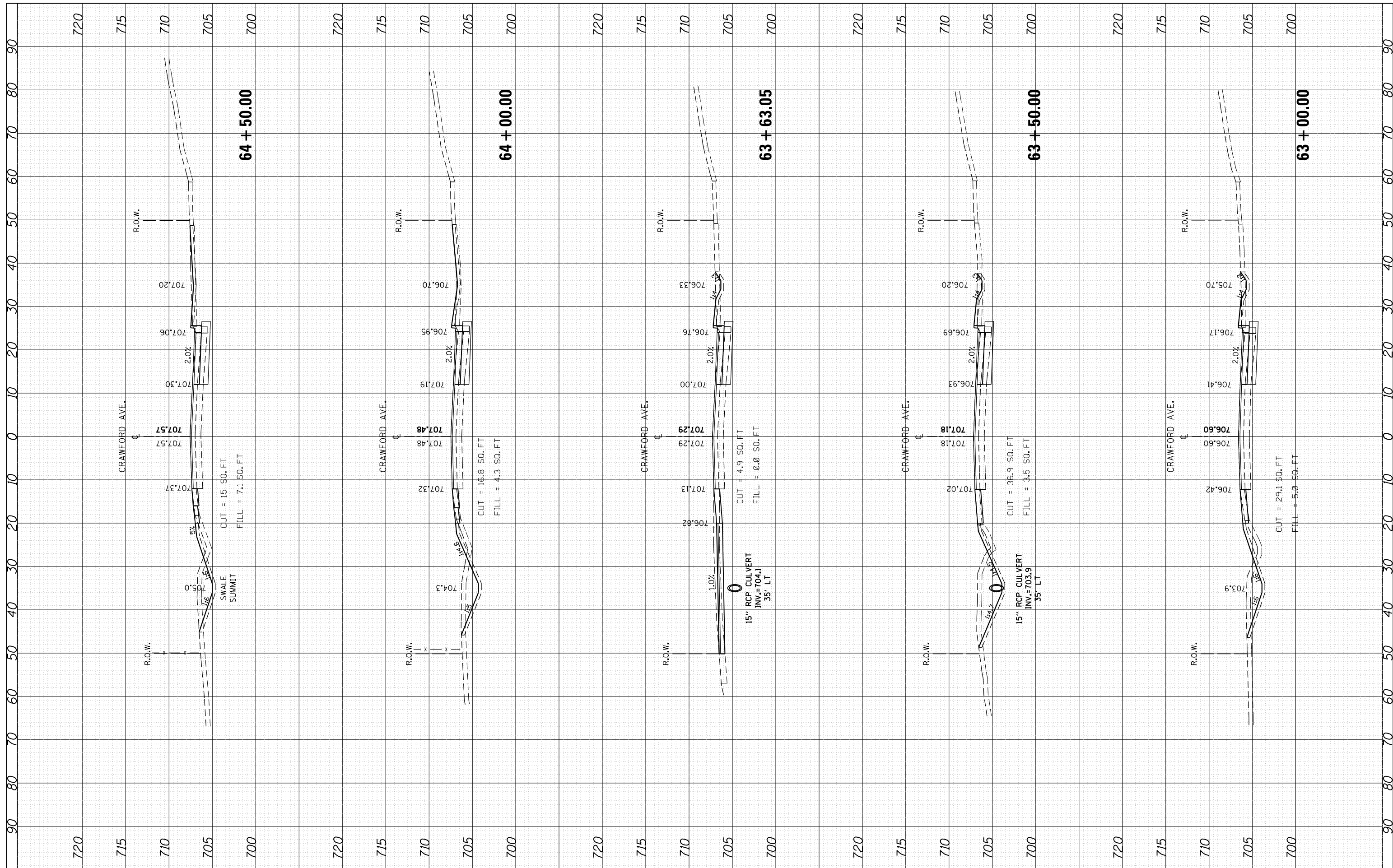
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PULASKI RD/CRAWFORD AVE. CROSS SECTIONS
 CRAWFORD AVE. AT 203rd ST.**
 H: 1"=10'
 SCALE: V: 1"=5' SHEET NO. OF SHEETS STA. 61+23.19 TO STA. 62+50.00

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|---------------------------|---------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 73 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED AREAS CHECKED | BY | DATE |
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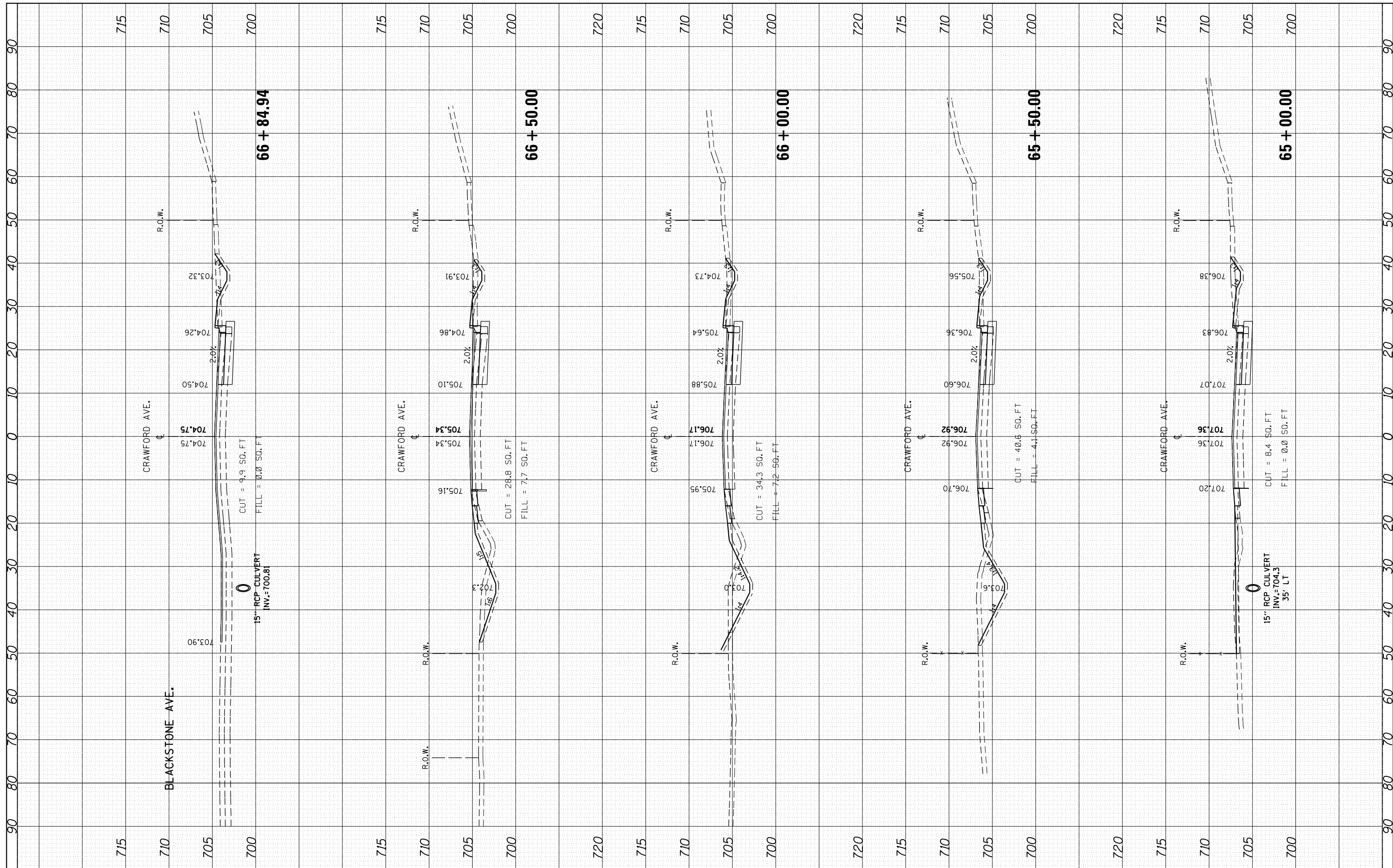
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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|---|----|--------|--------------------------------|
| PULASKI RD/CRAWFORD AVE. CROSS SECTIONS CRAWFORD AVE. AT 203rd ST. | | | |
| H: 1"=10' | | | |
| SCALE: V: 1"=5' | | | |
| SHEET NO. | OF | SHEETS | STA. 63+00.00 TO STA. 64+50.00 |

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|---------------------------|---------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 74 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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



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 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 4/4/2017

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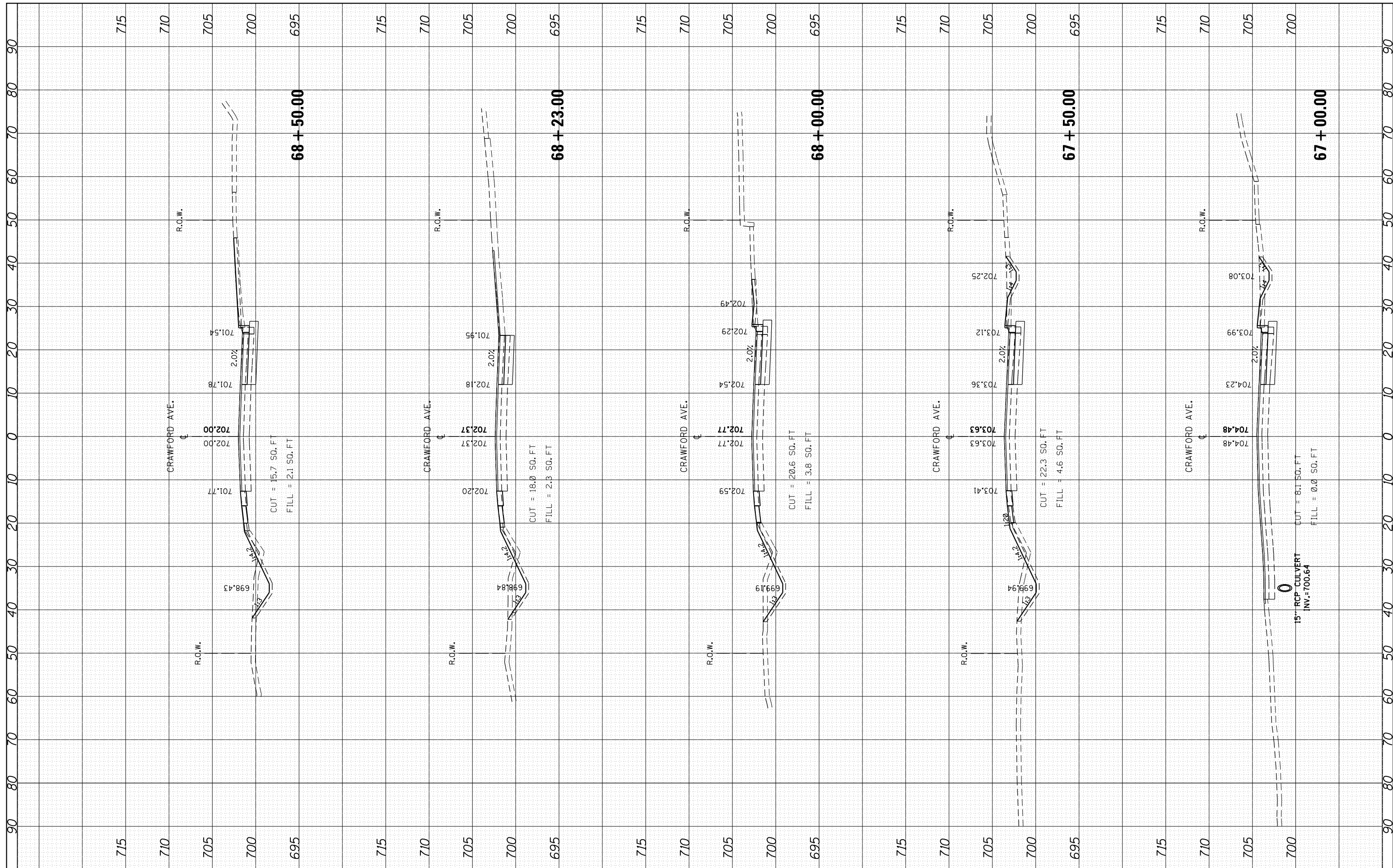
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PULASKI RD/CRAWFORD AVE. CROSS SECTIONS
 CRAWFORD AVE. AT 203rd ST.**
 H: 1"=10'
 SCALE: V: 1"=5' SHEET NO. OF SHEETS STA. 65+00.00 TO STA. 66+84.94

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|---------------------------|---------|--------|--------------|-----------|
| F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 75 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED TEMPLATE AREAS CHECKED | BY | DATE |
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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED TEMPLATE AREAS CHECKED | BY | DATE |
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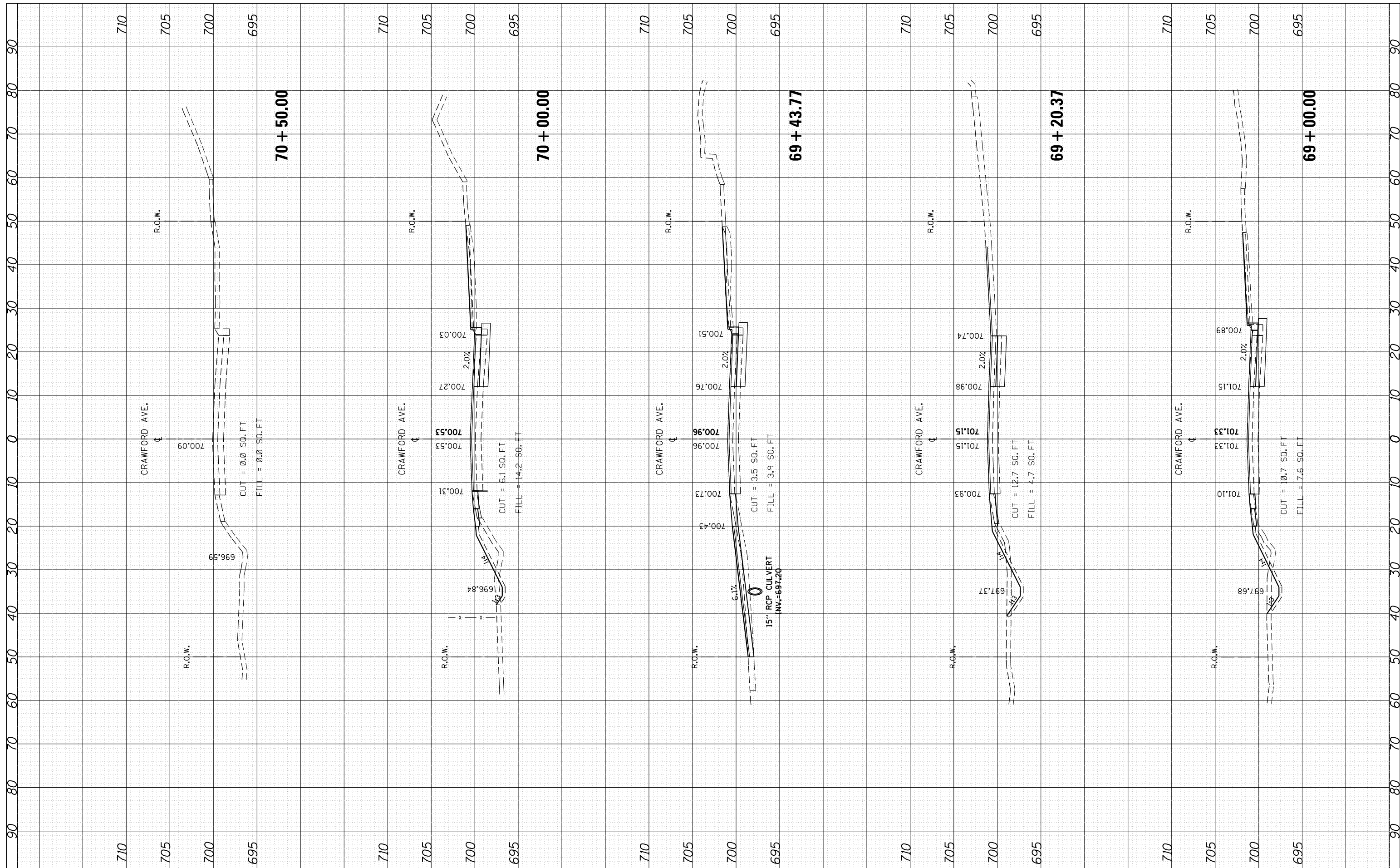
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PULASKI RD/CRAWFORD AVE. CROSS SECTIONS
 CRAWFORD AVE. AT 203rd ST.**
 H: 1"=10'
 SCALE: V: 1"=5' SHEET NO. OF SHEETS STA. 67+00.00 TO STA. 68+50.00

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|---------------------------|----------------|-------------|-----------------|--------------|
| F.A.U. RE. 3778 | SECTION 3144-R | COUNTY COOK | TOTAL SHEETS 79 | SHEET NO. 76 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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|---------------------|---------------|----|------|
| ORIGINAL SURVEY NO. | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



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| PLOT SCALE = 20.0000' / in. | CHECKED - | REVISED - | REVISED - |
| PLOT DATE = 4/4/2017 | DATE - | REVISED - | REVISED - |

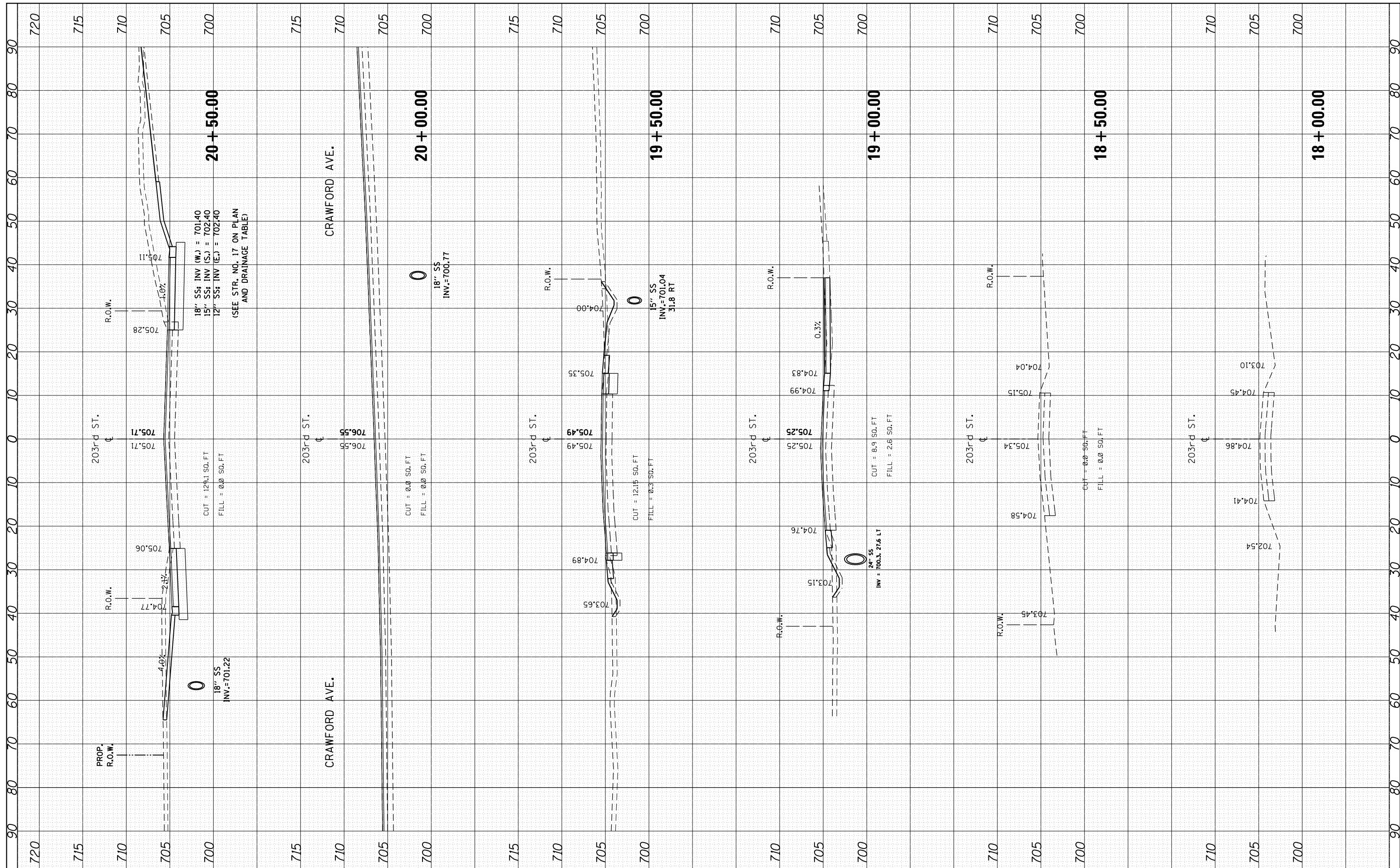
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|---|----|--------|--------------------------------|
| PULASKI RD./CRAWFORD AVE. CROSS SECTIONS | | | |
| CRAWFORD AVE. AT 203rd ST. | | | |
| H: 1"=10' | | | |
| SCALE: V: 1"=5' | | | |
| SHEET NO. | OF | SHEETS | STA. 69+00.00 TO STA. 70+50.00 |

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|---------------------------|---------|--------|--------------|-----------|
| F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 77 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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| FINAL SURVEY NO. | SURVEYED PLOTTED TEMPLATE AREAS CHECKED | BY | DATE |
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| ORIGINAL SURVEY NO. | SURVEYED PLOTTED TEMPLATE AREAS CHECKED | BY | DATE |
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| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - |
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| PLOT SCALE = 20.0000' / in. | | CHECKED - | REVISED - |
| PLOT DATE = 4/4/2017 | | DATE - | REVISED - |

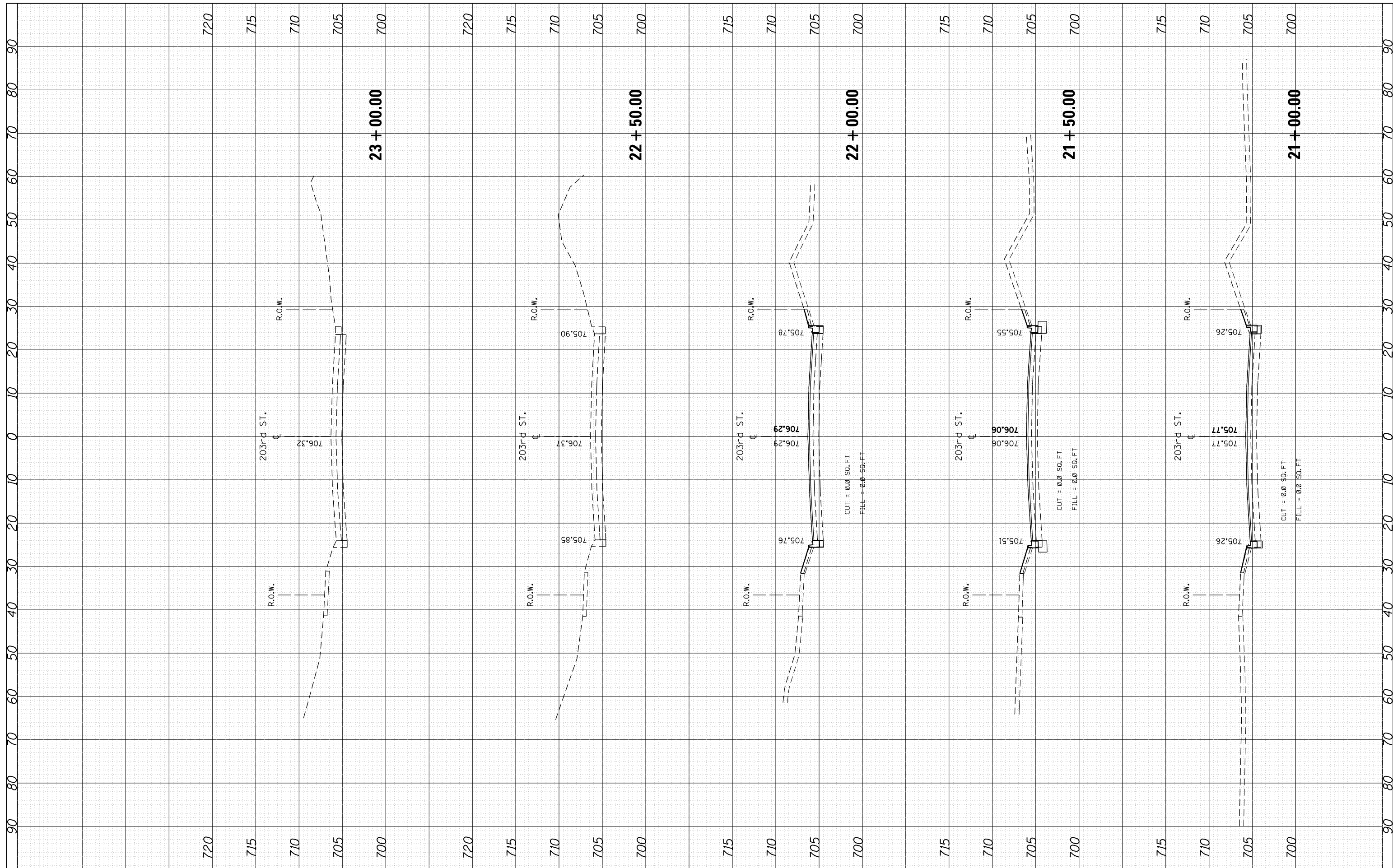
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|---|-----------|-----------|--------------------------------|
| 203rd STREET CROSS SECTIONS PULASKI AVE.(CRAWFORD AVE.) AT 203RD ST. | | | |
| H: 1"=10' | | | |
| SCALE: V: 1"=5' | SHEET NO. | OF SHEETS | STA. 18+00.00 TO STA. 20+50.00 |

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 78 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

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

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



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| FILE NAME = | USER NAME = paraynoal | DESIGNED - | REVISED - |
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| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |
| | | | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**203rd STREET CROSS SECTIONS
PULASKI AVE.(CRAWFORD AVE.) AT 203RD ST.**

H: 1"=10'
SCALE: V: 1"=5'

| | | | | |
|---------------------------|---------|--------|--------------|-----------|
| F.A.U. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 3778 | 3144-R | COOK | 79 | 79 |
| CONTRACT NO. 60P05 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

SHEET NO. OF SHEETS STA. 21+00.00 TO STA. 23+00.00