

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|----------|--------------------|-----------|
| 2758 | 16-00036-00-RS | LAKE | 38 | 1 |
| IBCV(095) | | ILLINOIS | CONTRACT NO. 61E76 | |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAU 2758 (MOFFETT ROAD)
SHERIDAN ROAD TO CENTER AVENUE
RESURFACING, CULVERT REPAIR/REPLACEMENT

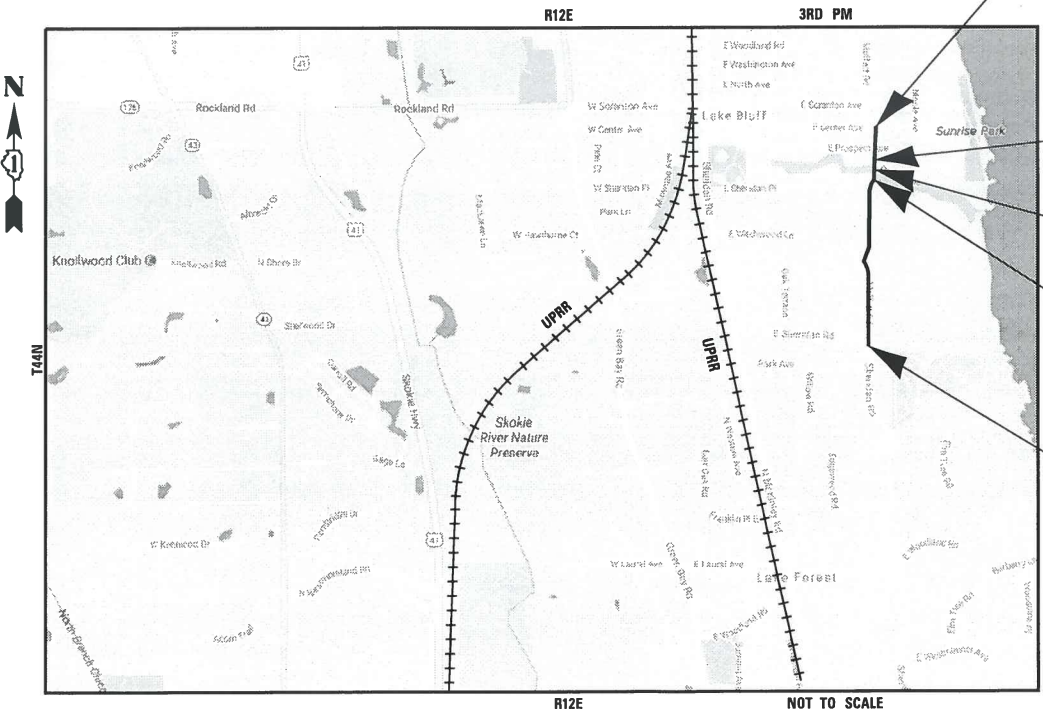
TRAFFIC DATA

MOFFETT ROAD
POSTED SPEED LIMIT: 25 MPH
2015 ADT = 1,150

FUNCTIONAL CLASSIFICATION

MAJOR COLLECTOR

SECTION: 16-00036-00-RS
PROJECT: IBCV(095)
VILLAGE OF LAKE BLUFF
LAKE COUNTY
JOB NUMBER: C-91-246-17



MOFFETT ROAD
IMPROVEMENTS ENDS
STA 59+33

END OMISSION
STA 53+29

S.N. 049-6803

BEGIN OMISSION
STA 51+75

MOFFETT ROAD
IMPROVEMENTS BEGIN
STA 23+58

LOCATION MAP

GROSS LENGTH = 3,575 FT. = 0.677 MILE
NET LENGTH = 3,421 FT. = 0.647 MILE

BAXTER & WOODMAN
Consulting Engineers



| | |
|---|---|
| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | |
| APPROVED | <i>[Signature]</i> |
| VILLAGE OF LAKE BLUFF REPRESENTATIVE | |
| PASSED | <i>[Signature]</i> APRIL 4, 2018 DISTRICT ENGINEER OF LOCAL ROADS AND STREETS |
| RELEASING FOR BID BASED ON LIMITED REVIEW | <i>[Signature]</i> APRIL 5, 2018 REGIONAL ENGINEER |

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

B&W PROJECT NO.: 160625 DATE: 03-05-18

642.dgn 3/5/2018 11:44:32 PM I:\CADD\Plots\160625_Plan.tbl PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAUMBURG, IL I:\Crystal Lake\LBV\160625-LBVF - Moffett Rd Resurf\CADD\Sheets\Phase 1\160625SHT-Cover.dgn



CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY = LAKE
CITY-TWNSHP. = LAKE BLUFF - SHIELDS
SEC. & 1/4 SEC. NO. = E 1/2 S21 T44N R12E
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61E76

INDEX OF SHEETS

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GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
2. THE LOCATIONS OF PUBLIC UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE VILLAGE AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
3. THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
4. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.
5. THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
6. THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
7. ALL STORM SEWER SHALL BE REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE.
8. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 ½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND SHALL NOT EXCEED 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. A MAXIMUM GRADE DIFFERENCE OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H), AS DETERMINED BY THE ENGINEER.
9. PRIOR TO CONSTRUCTION OF ANY PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE AND LOCATE THE EXISTING UTILITIES TO VERIFY THEIR LOCATION, SIZE AND DEPTH TO INSURE THAT GRADE CONFLICTS WILL NOT OCCUR.
10. GRADATION OF TRENCH BACKFILL MATERIAL SHALL BE CA-6, AND SHALL BE PLACED IN UNIFORM LAYERS NOT EXCEEDING 12 INCHES (LOOSE MEASURE) AND COMPACTED WITH MECHANICAL EQUIPMENT TO 95% OF STANDARD PROCTOR DENSITY. PIPE BEDDING SHALL BE A MINIMUM OF 4 INCHES THICK.
11. MAKING SEWER CONNECTIONS TO EXISTING DRAINAGE STRUCTURES OR PIPE SHALL BE INCLUDED IN THE NEW SEWER OR STRUCTURE. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE OF THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER.
12. ALL FRAME AND LID CASTINGS THAT REQUIRE RESETTNG TO FINISH GRADES SHALL BE BACKFILLED WITH CLASS SI CONCRETE AND ALLOWED TO CURE FOR 72 HOURS PRIOR TO PLACEMENT OF SURFACE COURSE. CLASS PP CONCRETE SHALL BE USED IF PLACEMENT OF SURFACE COURSE IS PLANNED IN LESS THAN 72 HOURS. HMA MATERIALS WILL NOT BE ALLOWED AS BACKFILL AROUND AN ADJUSTED CASTING. THIS WORK SHALL APPLY TO ALL CASTINGS ADJUSTED OR RECONSTRUCTED AS PART OF THIS CONTRACT.
13. CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE OF THE IMPROVEMENT LIMITS. ANY AREA DISTURBED OUTSIDE THE PROPOSED LIMITS SHALL BE RESTORED TO THE SATIFICATION OF THE ENGNEER.
14. THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
15. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 8-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES DRIVEWAYS. TRANSVERSE EXPANSION JOINTS ¾" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5 FEET.
16. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE VILLAGE WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/ OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
18. ALL TREES ARE DESIGNATED TO BE SAVED UNLESS OTHERWISE NOTED ON THE PLANS, AND SHALL BE PROTECTED IN ACCORDANCE WITH THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS

19. THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE VILLAGE. ALL TREE PROTECTION, TREE REMOVAL, TREE PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DETERMINED BY THE ENGINEER.
20. THE CONTRACTOR SHALL MARK ALL TREES TO BE REMOVED IN A MANNER MEETING THE APPROVAL OF THE ENGINEER PRIOR TO THE START OF REMOVAL OPERATIONS. ALL TREES TO BE REMOVED SHALL BE APPROVED BY THE ENGINEER PRIOR TO REMOVAL
21. THE CONTRACTOR SHALL CONTACT THE D1 TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
22. DETOUR SHALL BE COMPLETED AND MOFFETT ROAD OPEN TO TRAFFIC BY SEPTEMBER 14, 2018.
23. STORM SEWER TRENCHES CAN BE FILLED TO EXISTING PAVEMENT LEVEL WITH TRENCH BACKFILL AND MAINTAINED FOR UP TO ONE (1) WEEK BEFORE CLASS D PATCHES MUST BE INSTALLED.

BENCHMARKS

- DATUM IS NAVD88
- 663.52 NAVD88 - IN POWER POLE WITH LIGHT ON THE EAST SIDE OF MOFFETT AT WITCHWOOD LANE
- 652.89 NAVD88 - IN POWER POLE WITH LIGHT AT CURVE ON MOUNTAIN DRIVE NEAR HOUSE 629

HIGHWAY STANDARDS

| | |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 424001-10 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 442201-03 | CLASS C AND D PATCHES |
| 602401-04 | PRECAST MANHOLE TYPE A 4' (1.22m) DIAMETER |
| 602601-05 | PRECAST REINFORCED CONCRETE FLAT SLAB TOP |
| 602701-02 | MANHOLE STEPS |
| 604001-04 | FRAME AND LIDS TYPE 1 |
| 604051-04 | FRAME AND GRATE TYPE 11 |
| 606001-07 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 630001-12 | STEEL PLATE BEAM GUARDRAIL |
| 630301-08 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS |
| 631011-10 | TRAFFIC BARRIER TERMINAL, TYPE 2 |
| 701001-02 | OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701011-04 | OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-07 | TRAFFIC CONTROL DEVICES |
| 782006 | GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS |

SUMMARY OF QUANTITIES

| | | | | CONSTRUCTION CODE |
|-------------|---|-------|-------------------|------------------------|
| | | | | 80% FED 20% VILLAGE |
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY |
| | | | | 0004 |
| | | | | URBAN |
| 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | UNIT | 36 | 36 |
| | | | | |
| 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER) | UNIT | 34 | 34 |
| | | | | |
| 20101000 | TEMPORARY FENCE | FOOT | 400 | 400 |
| | | | | |
| 20101200 | TREE ROOT PRUNING | EACH | 10 | 10 |
| | | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 340 | 340 |
| | | | | |
| 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 164 | 164 |
| | | | | |
| 20300100 | CHANNEL EXCAVATION | CU YD | 30 | 30 |
| | | | | |
| 20400800 | FURNISHED EXCAVATION | CU YD | 441 | 441 |
| | | | | |
| 20800150 | TRENCH BACKFILL | CU YD | 261 | 261 |
| | | | | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 1,783 | 1,783 |
| | | | | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 3 | 3 |
| | | | | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 3 | 3 |
| | | | | |
| 25200110 | SODDING, SALT TOLERANT | SQ YD | 171 | 171 |
| | | | | |
| 25200200 | SUPPLEMENTAL WATERING | UNIT | 29 | 29 |
| | | | | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 100 | 100 |
| | | | | |

* INDICATES SPECIALTY ITEM

| | | | | CONSTRUCTION CODE 80% FED 20% VILLAGE |
|-------------|--|-------|-------------------|--|
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY |
| | | | | 0004 |
| | | | | URBAN |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 660 | 660 |
| | | | | |
| 28000510 | INLET FILTERS | EACH | 16 | 16 |
| | | | | |
| 28001200 | TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET | SQ YD | 1,612 | 1,612 |
| | | | | |
| 28100107 | STONE RIPRAP, CLASS A4 | SQ YD | 40 | 40 |
| | | | | |
| 28100201 | STONE RIPRAP, CLASS A1 | TON | 160 | 160 |
| | | | | |
| 28100209 | STONE RIPRAP, CLASS A5 | TON | 255 | 255 |
| | | | | |
| 28200200 | FILTER FABRIC | SQ YD | 467 | 467 |
| | | | | |
| 28401000 | SLOPE MATTRESS 12" | SQ YD | 153 | 153 |
| | | | | |
| 35101600 | AGGREGATE BASE COURSE, TYPE B 4" | SQ YD | 678 | 678 |
| | | | | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 6,180 | 6,180 |
| | | | | |
| 40600400 | MIXTURE FOR CRACKS, JONTS, AND FLANGEWAYS | TON | 2 | 2 |
| | | | | |
| 40600625 | LEVELING BINDER (MACHINE METHOD), N50 | TON | 526 | 526 |
| | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 108 | 108 |
| | | | | |
| 40603335 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 | TON | 815 | 815 |
| | | | | |
| 42001300 | PROTECTIVE COAT | SQ YD | 4,696 | 4,696 |
| | | | | |

* INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |
|----------|--|-------|----------------|-------------------|
| | | | | 80% FED |
| | | | | 20% VILLAGE |
| | | | | ROADWAY |
| | | | | 0004 |
| | | | | URBAN |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 4,341 | 4,341 |
| 42400400 | PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH | SQ FT | 685 | 685 |
| 42400800 | DETECTABLE WARNINGS | SQ FT | 200 | 200 |
| 44000158 | HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" | SQ YD | 9,133 | 9,133 |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 137 | 137 |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 510 | 510 |
| 44000600 | SIDEWALK REMOVAL | SQ FT | 5,026 | 5,026 |
| 44201681 | CLASS D PATCHES, TYPE I, 3 INCH | SQ YD | 138 | 138 |
| 44201682 | CLASS D PATCHES, TYPE II, 3 INCH | SQ YD | 147 | 147 |
| 44201683 | CLASS D PATCHES, TYPE III, 3 INCH | SQ YD | 201 | 201 |
| 44201684 | CLASS D PATCHES, TYPE IV, 3 INCH | SQ YD | 284 | 284 |
| 44201717 | CLASS D PATCHES, TYPE II, 6 INCH | SQ YD | 184 | 184 |
| 44201721 | CLASS D PATCHES, TYPE III, 6 INCH | SQ YD | 238 | 238 |
| 44201723 | CLASS D PATCHES, TYPE IV, 6 INCH | SQ YD | 759 | 759 |
| 48102100 | AGGREGATE WEDGE SHOULDER, TYPE B | TON | 5 | 5 |

* INDICATES SPECIALTY ITEM

| | | | | CONSTRUCTION CODE 80% FED 20% VILLAGE |
|-------------|--|-------|-------------------|--|
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY |
| | | | | 0004 |
| | | | | URBAN |
| 50100100 | REMOVAL OF EXISTING STRUCTURES | EACH | 1 | 1 |
| | | | | |
| 52200020 | TEMPORARY SOIL RETENTION SYSTEM | SQ FT | 470 | 470 |
| | | | | |
| 550A2320 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" | FOOT | 184 | 184 |
| | | | | |
| 550A2520 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12" | FOOT | 236 | 236 |
| | | | | |
| 550A2530 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15" | FOOT | 11 | 11 |
| | | | | |
| 55100500 | STORM SEWER REMOVAL 12" | FOOT | 78 | 78 |
| | | | | |
| 55100700 | STORM SEWER REMOVAL 15" | FOOT | 120 | 120 |
| | | | | |
| 59100100 | GEOCOMPOSITE WALL DRAIN | SQ YD | 13 | 13 |
| | | | | |
| 60201105 | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE | EACH | 1 | 1 |
| | | | | |
| 60207905 | CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE | EACH | 2 | 2 |
| | | | | |
| 60218400 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 7 | 7 |
| | | | | |
| 60236800 | INLETS, TYPE A, TYPE 11 FRAME AND GRATE | EACH | 2 | 2 |
| | | | | |
| 60257900 | MANHOLES TO BE RECONSTRUCTED | EACH | 1 | 1 |
| | | | | |
| 60500040 | REMOVING MANHOLES | EACH | 3 | 3 |
| | | | | |
| 60500050 | REMOVING CATCH BASINS | EACH | 2 | 2 |
| | | | | |

* INDICATES SPECIALTY ITEM

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-00121 - EXPIRES 4/30/2019
6/2/2018 4/27/2018
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...\\CADD\Plots\160625SHT-500.dgn
B:\Cyril\160625SHT-500.dgn



| | | | |
|------------|----------|-----------|-------------------|
| DESIGNED - | DJS | REVISED - | |
| DRAWN - | KAR | REVISED - | |
| CHECKED - | DJS | REVISED - | |
| DATE - | 03-05-18 | FILE - | 160625SHT-500.dgn |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE STA. TO STA.

| | | | | |
|---------------------|----------------|---------------------------|-----------------|--------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2758 | 16-00036-00-RS | LAKE | 38 | 5 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| | | CONTRACT NO. 61E76 | | |

SUMMARY OF QUANTITIES

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |
|------------|--|-------|----------------|-------------------|
| | | | | 80% FED |
| | | | | 20% VILLAGE |
| | | | | ROADWAY |
| | | | | 0004 |
| | | | | URBAN |
| 60500060 | REMOVING INLETS | EACH | 2 | 2 |
| | | | | |
| 60803800 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | FOOT | 510 | 510 |
| | | | | |
| * 63000009 | STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS | FOOT | 363 | 363 |
| | | | | |
| * 63100045 | TRAFFIC BARRIER TERMINAL, TYPE 2 | EACH | 2 | 2 |
| | | | | |
| * 63100167 | TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 2 | 2 |
| | | | | |
| 63200310 | GUARDRAIL REMOVAL | FOOT | 529 | 529 |
| | | | | |
| 67100100 | MOBILIZATION | LSUM | 1.0 | 1.0 |
| | | | | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 1,466 | 1,466 |
| | | | | |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 489 | 489 |
| | | | | |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 17,580 | 17,580 |
| | | | | |
| 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6" | FOOT | 790 | 790 |
| | | | | |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 228 | 228 |
| | | | | |
| 70300280 | TEMPORARY PAVEMENT MARKING - LINE 24" | FOOT | 314 | 314 |
| | | | | |
| * 72501000 | TERMINAL MARKER - DIRECT APPLIED | EACH | 2 | 2 |
| | | | | |
| * 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 5,860 | 5,860 |
| | | | | |

* INDICATES SPECIALTY ITEM

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |
|------------|--|------|----------------|-------------------|
| | | | | 80% FED |
| | | | | 20% VILLAGE |
| | | | | ROADWAY |
| | | | | 0004 |
| | | | | URBAN |
| * 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 395 | 395 |
| | | | | |
| * 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 114 | 114 |
| | | | | |
| * 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 157 | 157 |
| | | | | |
| * 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 9 | 9 |
| | | | | |
| * 78200005 | GUARDRAIL REFLECTORS, TYPE A | EACH | 8 | 8 |
| | | | | |
| * A2001716 | TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED | EACH | 6 | 6 |
| | | | | |
| * A2002566 | TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED | EACH | 5 | 5 |
| | | | | |
| * A2005614 | TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 1-3/4" CALIPER, BALLED AND BURLAPPED | EACH | 5 | 5 |
| | | | | |
| * A2006414 | TREE, QUERCUS ALBA (WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED | EACH | 3 | 3 |
| | | | | |
| * A2007112 | TREE, QUERCUS RUBRA (RED OAK), 1-1/2" CALIPER, BALLED AND BURLAPPED | EACH | 7 | 7 |
| | | | | |
| * A2007816 | TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED | EACH | 2 | 2 |
| | | | | |
| * B2000964 | TREE, AMELANCHIER LAEVIS (ALLEGHENY SERVICEBERRY), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED | EACH | 7 | 7 |
| | | | | |
| * C2002336 | SHRUB, DIERVILLA LONICERA (BUSH HONEY SUCKLE), 3' HEIGHT, BALLED AND BURLAPPED | EACH | 27 | 27 |
| | | | | |
| * C2003360 | SHRUB, HAMAMELIS VIRGINIANA (COMMON WITCHHAZEL), 5' HEIGHT, BALLED AND BURLAPPED | EACH | 24 | 24 |
| | | | | |
| * C2012760 | SHRUB, VIBURNUM PRUNIFOLIUM (BLACKHAW VIBURNUM), 5' HEIGHT, BALLED AND BURLAPPED | EACH | 8 | 8 |
| | | | | |

* INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

| | | | | CONSTRUCTION CODE 80% FED 20% VILLAGE |
|-------------|--|-------|-------------------|--|
| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | ROADWAY |
| | | | | 0004 |
| | | | | URBAN |
| * C2C05225 | SHRUB, PRUNUS VIRGINIANA (COMMON CHOKE CHERRY), 3' HEIGHT, CONTAINER | EACH | 29 | 29 |
| | | | | |
| * K0013090 | PERENNIAL PLANTS, WOODLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG | UNIT | 36 | 36 |
| | | | | |
| * K1005421 | SEEDING (SPECIAL) | ACRE | 0.4 | 0.4 |
| | | | | |
| Z0004510 | HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3" | SQ YD | 137 | 137 |
| | | | | |
| Z0004562 | COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT | FOOT | 1,024 | 1,024 |
| | | | | |
| Z0013798 | CONSTRUCTION LAYOUT | LSUM | 1.0 | 1.0 |
| | | | | |
| Z0017400 | DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED | EACH | 6 | 6 |
| | | | | |
| Z0030850 | TEMPORARY INFORMATION SIGNING | SQ FT | 55 | 55 |
| | | | | |
| Z0056610 | STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH | FOOT | 63 | 63 |
| | | | | |
| Z0056612 | STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH | FOOT | 56 | 56 |
| | | | | |
| X0326891 | TEMPORARY ACCESS ROAD (SPECIAL) | SQ YD | 300 | 300 |
| | | | | |
| X2130010 | EXPLORATION TRENCH, SPECIAL | FOOT | 200 | 200 |
| | | | | |
| * X2510635 | HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL | SQ YD | 1,612 | 1,612 |
| | | | | |
| X5430100 | INSERTION CULVERT LINER (SPECIAL) | FOOT | 112 | 112 |
| | | | | |
| X5860110 | GRANULAR BACKFILL FOR STRUCTURES | CU YD | 17 | 17 |
| | | | | |

* INDICATES SPECIALTY ITEM

| CODE NO. | ITEM | UNIT | TOTAL QUANTITY | CONSTRUCTION CODE |
|----------|---|------|----------------|-------------------|
| | | | | 80% FED |
| | | | | 20% VILLAGE |
| | | | | ROADWAY |
| | | | | 0004 |
| | | | | URBAN |
| X6030310 | FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) | EACH | 18 | 18 |
| | | | | |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | LSUM | 1.0 | 1.0 |
| | | | | |
| 54215104 | CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 104" | EACH | 1 | 1 |
| | | | | |

* INDICATES SPECIALTY ITEM

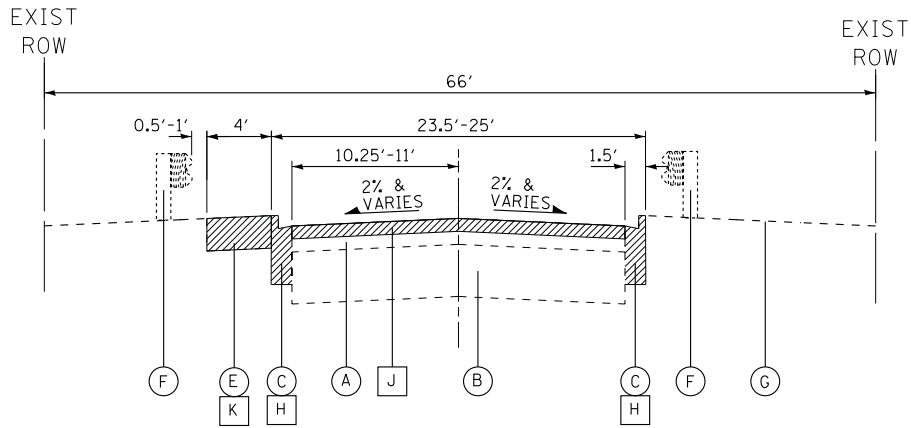
| EARTHWORK | | | | | | | |
|-------------------------|---|--------------------------|----------------------------|-----------------------------------|---|--------------------|---|
| LOCATION | REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CU YD) | EARTH EXCAVATION (CU YD) | CHANNEL EXCAVATION (CU YD) | TOTAL SUITABLE EXCAVATION (CU YD) | EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD) | EMBANKMENT (CU YD) | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD) |
| MOFFETT ROAD AT CULVERT | 164 | 340 | 30 | 340 | 289 | 730 | (441) |



NOTE 1: SEEDING (SPECIAL) AND HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL FOR RAVINE SLOPE RESTORATION. ALL OTHER RESTORATION SHALL BE SODDING (SALT TOLERANT) IN ACCORDANCE WITH THE DISTRICT 1 DETAIL BD-24.

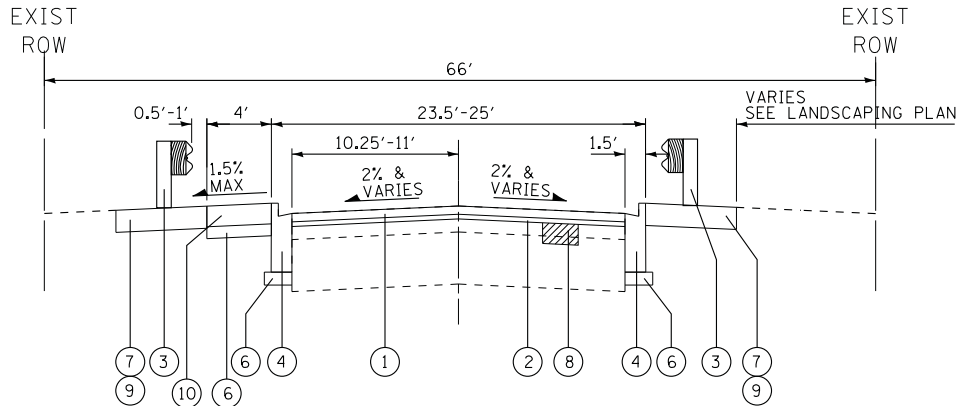
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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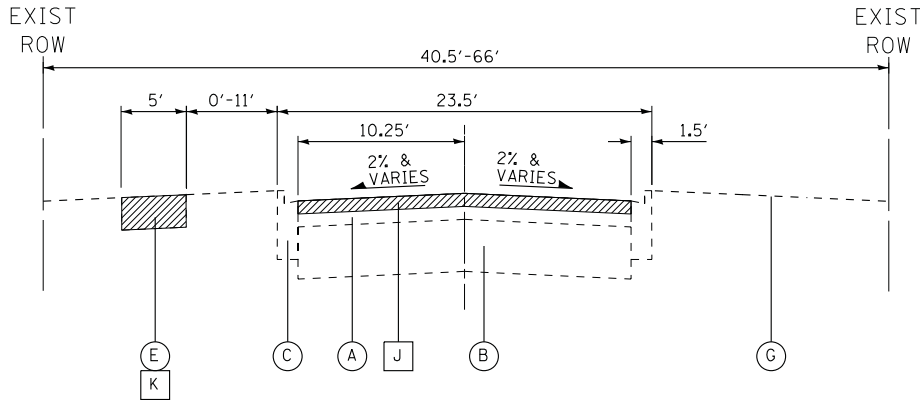
EXISTING TYPICAL SECTION

(STA 34+79 TO STA 37+68), MOFFETT ROAD



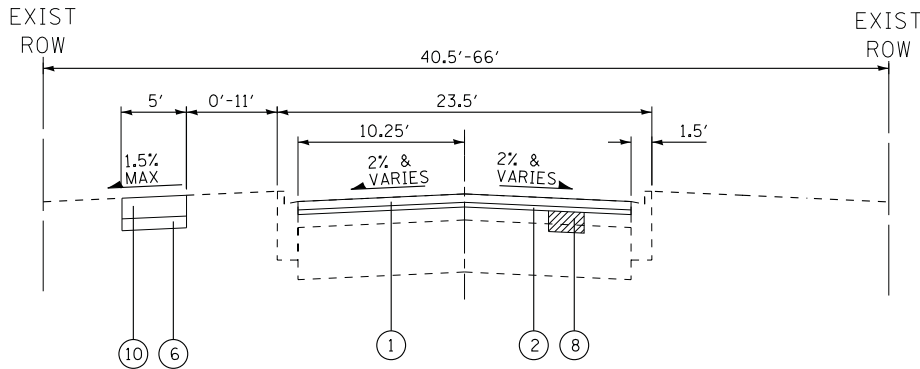
PROPOSED TYPICAL SECTION

(STA 34+79 TO STA 37+68), MOFFETT ROAD



EXISTING TYPICAL SECTION

(STA 37+68 TO STA 51+38), MOFFETT ROAD



PROPOSED TYPICAL SECTION

(STA 37+68 TO STA 51+38), MOFFETT ROAD

EXISTING TYPICAL SECTION

- (A) EXISTING HOT-MIX ASPHALT SURFACE
- (B) EXISTING AGGREGATE BASE
- (C) EXISTING AGGREGATE SHOULDER
- (D) EXISTING CURB AND GUTTER
- (E) EXISTING SIDEWALK
- (F) EXISTING GUARDRAIL
- (G) GROUND SURFACE
- (H) COMBINATION CURB AND GUTTER REMOVAL
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (K) SIDEWALK REMOVAL (LOCATIONS BY ENGINEER)
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED TYPICAL SECTION

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) - 1 1/2"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (3) STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS
- (4) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (5) AGGREGATE WEDGE SHOULDER, TYPE B
- (6) AGGREGATE BASE COURSE, TYPE B - 4"
- (7) TOPSOIL FURNISH AND PLACE - 4"
- (7) SEEDING (SPECIAL) - SEE NOTE 1
- (8) HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- (8) CLASS D PATCHES (LOCATIONS BY ENGINEER)
- (9) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- (10) PCC SIDEWALK - 5" (7" THRU DRIVEWAYS) (LOCATIONS BY ENGINEER)

NOTE 1: SEEDING (SPECIAL) AND HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL FOR RAVINE SLOPE RESTORATION. ALL OTHER RESTORATION SHALL BE SODDING (SALT TOLERANT) IN ACCORDANCE WITH THE DISTRICT 1 DETAIL BD-24.

BAXTER & WOODMAN
Consulting Engineers

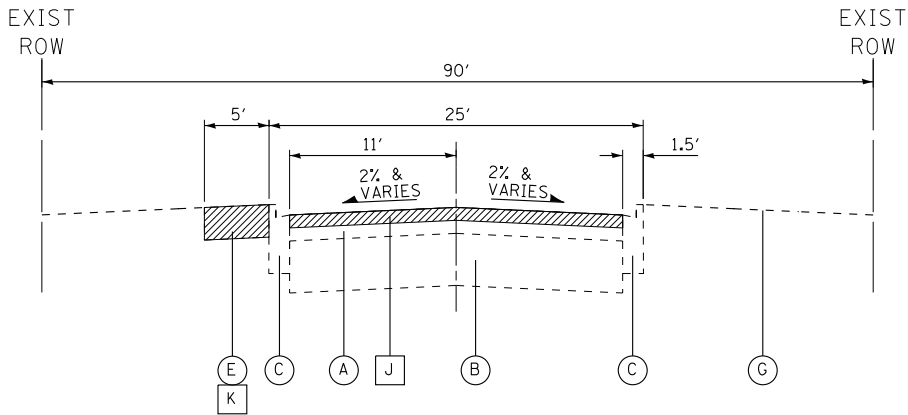
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| DESIGNED - | DJS | REVISED - | |
| DRAWN - | KAR | REVISED - | |
| CHECKED - | DJS | REVISED - | |
| DATE - | 03-05-18 | FILE - | 160625SHT-TypSec.dgn |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

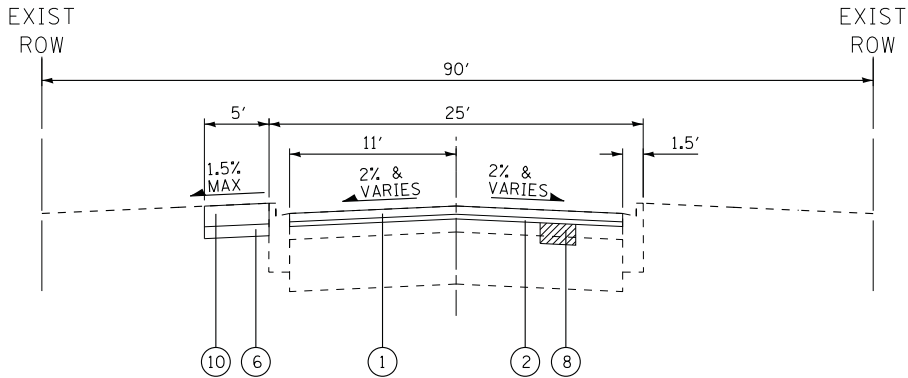
SCALE: STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 2758 | 16-00036-00-RS | LAKE | 38 | 8 |
| CONTRACT NO. 61E76 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



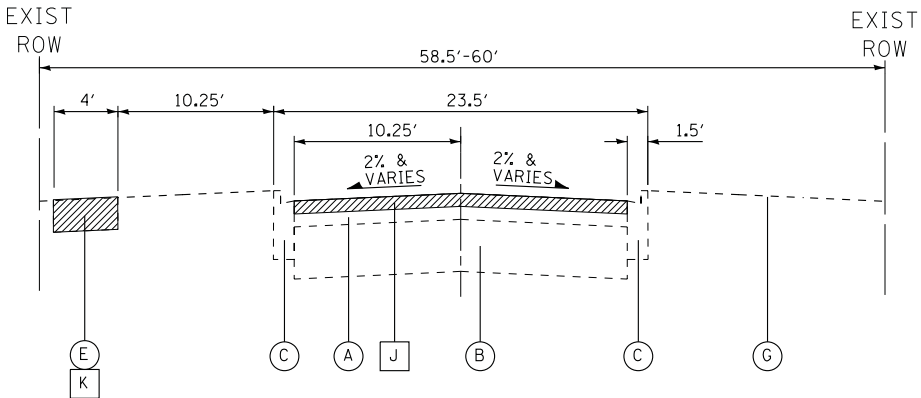
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(STA 51+38 TO STA 51+75), MOFFETT ROAD
(STA 53+29 TO STA 53+42), MOFFETT ROAD



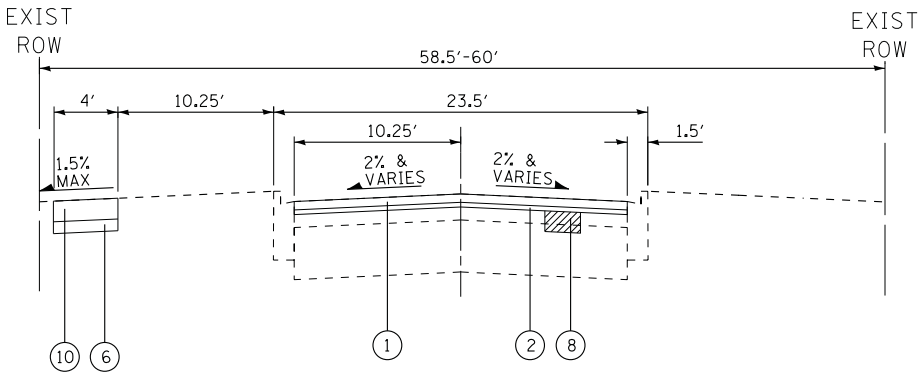
PROPOSED TYPICAL SECTION

(STA 51+38 TO STA 51+75), MOFFETT ROAD
(STA 53+29 TO STA 53+42), MOFFETT ROAD



EXISTING TYPICAL SECTION

(STA 53+42 TO STA 59+33), MOFFETT ROAD



PROPOSED TYPICAL SECTION

(STA 53+42 TO STA 59+33), MOFFETT ROAD

EXISTING TYPICAL SECTION

- (A) EXISTING HOT-MIX ASPHALT SURFACE
- (B) EXISTING AGGREGATE BASE
- (C) EXISTING AGGREGATE SHOULDER
- (D) EXISTING CURB AND GUTTER
- (E) EXISTING SIDEWALK
- (F) EXISTING GUARDRAIL
- (G) GROUND SURFACE
- (H) COMBINATION CURB AND GUTTER REMOVAL
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (K) SIDEWALK REMOVAL (LOCATIONS BY ENGINEER)
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED TYPICAL SECTION

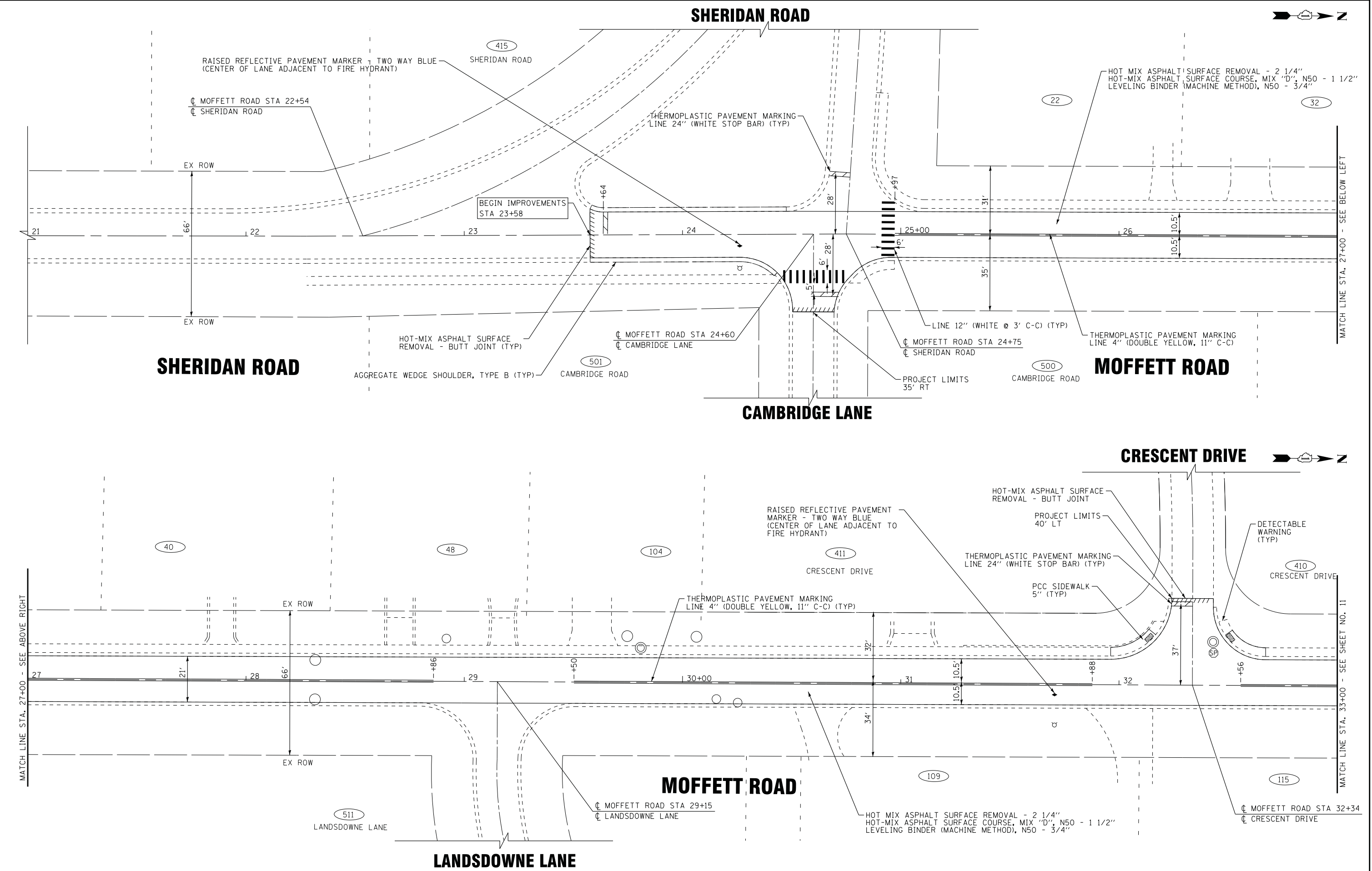
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) - 1 1/2"
- (2) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (3) STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS
- (4) COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12
- (5) AGGREGATE WEDGE SHOULDER, TYPE B
- (6) AGGREGATE BASE COURSE, TYPE B - 4"
- (7) TOPSOIL FURNISH AND PLACE - 4"
SEEDING (SPECIAL) - SEE NOTE 1
HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL
- (8) CLASS D PATCHES (LOCATIONS BY ENGINEER)
- (9) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- (10) PCC SIDEWALK - 5" (7" THRU DRIVEWAYS)
(LOCATIONS BY ENGINEER)

NOTE 1: SEEDING (SPECIAL) AND HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL FOR RAVINE SLOPE RESTORATION. ALL OTHER RESTORATION SHALL BE SODDING (SALT TOLERANT) IN ACCORDANCE WITH THE DISTRICT 1 DETAIL BD-24.

| | | | |
|------------|----------|-----------|----------------------|
| DESIGNED - | DJS | REVISED - | |
| DRAWN - | KAR | REVISED - | |
| CHECKED - | DJS | REVISED - | |
| DATE - | 03-05-18 | FILE - | 160625SHT-TypSec.dgn |

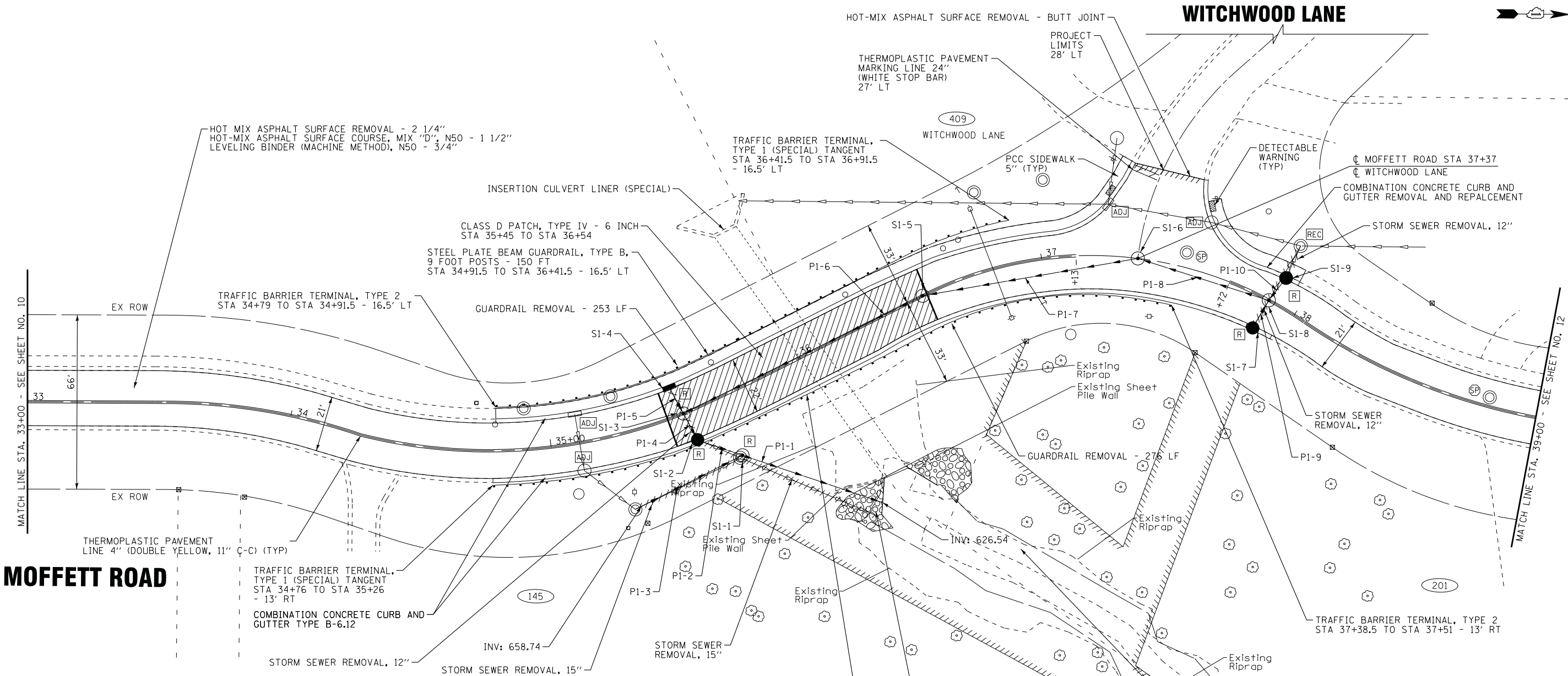
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 2758 | 16-00036-00-RS | LAKE | 38 | 9 |
| CONTRACT NO. 61E76 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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| | | | | | | | | | | | | |
|---|-----------------|----------------------------|---|---------------------|--|--|--------------------------|--------------------|---|--------|--------------|-----------|
| BAXTER & WOODMAN Consulting Engineers | DESIGNED - DJS | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ROADWAY PLAN | | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | DRAWN - KAR | REVISED - | | | | | | 2758 | 16-00036-00-RS | LAKE | 38 | 10 |
| | CHECKED - DJS | REVISED - | | | | | | CONTRACT NO. 61E76 | | | | |
| | DATE - 03-05-18 | FILE - 160625SHT-Plan1.dgn | | | | | | | | | | |
| | | | | SCALE: 1" = 20' | | | STA. 23+64 TO STA. 33+00 | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | |

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| PIPE NO. | FROM | TO | PIPE TYPE | LENGTH FT | SLOPE % | TRENCH BACKFILL CU YD |
|----------|------|------|--|-----------|---------|-----------------------|
| P1-1 | S1-1 | WALL | STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH | 56 | 25.00% | 0.0 |
| P1-2 | S1-2 | S1-1 | STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH | 18 | 8.00% | 3.9 |
| P1-3 | EX | S1-1 | STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH | 45 | 10.00% | 0.0 |
| P1-4 | S1-3 | S1-2 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15" | 11 | 1.00% | 15.4 |
| P1-5 | S1-4 | S1-3 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" | 11 | 1.00% | 3.5 |
| P1-6 | S1-5 | S1-3 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12" | 101 | 1.00% | 110.8 |
| P1-7 | S1-6 | S1-5 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12" | 83 | 1.00% | 63.1 |
| P1-8 | S1-8 | S1-6 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12" | 52 | 1.00% | 18.8 |
| P1-9 | S1-7 | S1-8 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12" | 11 | 1.00% | 3.4 |
| P1-10 | S1-9 | S1-8 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" | 11 | 1.00% | 3.4 |

| STRUCTURE NO. | STA. | OFFSET FT | STRUCTURE TYPE | RIM/EOP | INVERTS | | |
|---------------|-------|-----------|--|---------|---------------|---------------|---------------|
| S1-1 | 35+65 | 24.0' RT | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | 658.55 | 652.26 15" SW | 640.55 18" NE | 654.24 15" SE |
| S1-2 | 35+53 | 11.0' RT | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE | 664.32 | 655.27 15" SW | 653.70 15" NE | |
| S1-3 | 35+52 | CL | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | 664.28 | 655.63 12" NW | 655.38 15" NE | 660.24 12" SW |
| S1-4 | 35+50 | 11.0' LT | INLETS, TYPE A, TYPE 11 FRAME AND GRATE | 663.85 | 660.35 12" NE | | |
| S1-5 | 36+54 | CL | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | 662.87 | 656.74 12" N | 656.64 12" SE | |
| S1-6 | 37+37 | CL | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | 662.26 | 657.67 12" N | 657.57 12" S | |
| S1-7 | 37+88 | 11.0' RT | CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE | 661.78 | 658.28 12" NW | | |
| S1-8 | 37+89 | CL | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | 662.09 | 658.17 12" SE | 658.29 12" NW | 658.19 12" S |
| S1-9 | 37+91 | 11.0' RT | CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE | 661.90 | 658.40 12" SE | | |

| | | | | |
|---|------------|----------|-----------|---------------------|
| BAXTER & WOODMAN Consulting Engineers | DESIGNED - | DJS | REVISED - | |
| | DRAWN - | KAR | REVISED - | |
| | CHECKED - | DJS | REVISED - | |
| | DATE | 03-05-18 | FILE | 160625SHT-Plan2.dgn |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN

SCALE: 1" = 20'

STA. 33+00 TO STA. 39+00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 2758 | 16-00036-00-RS | LAKE | 38 | 11 |
| CONTRACT NO. 61E76 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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|------------|----------|-----------|---------------------|
| DESIGNED - | DJS | REVISED - | |
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| CHECKED - | DJS | REVISED - | |
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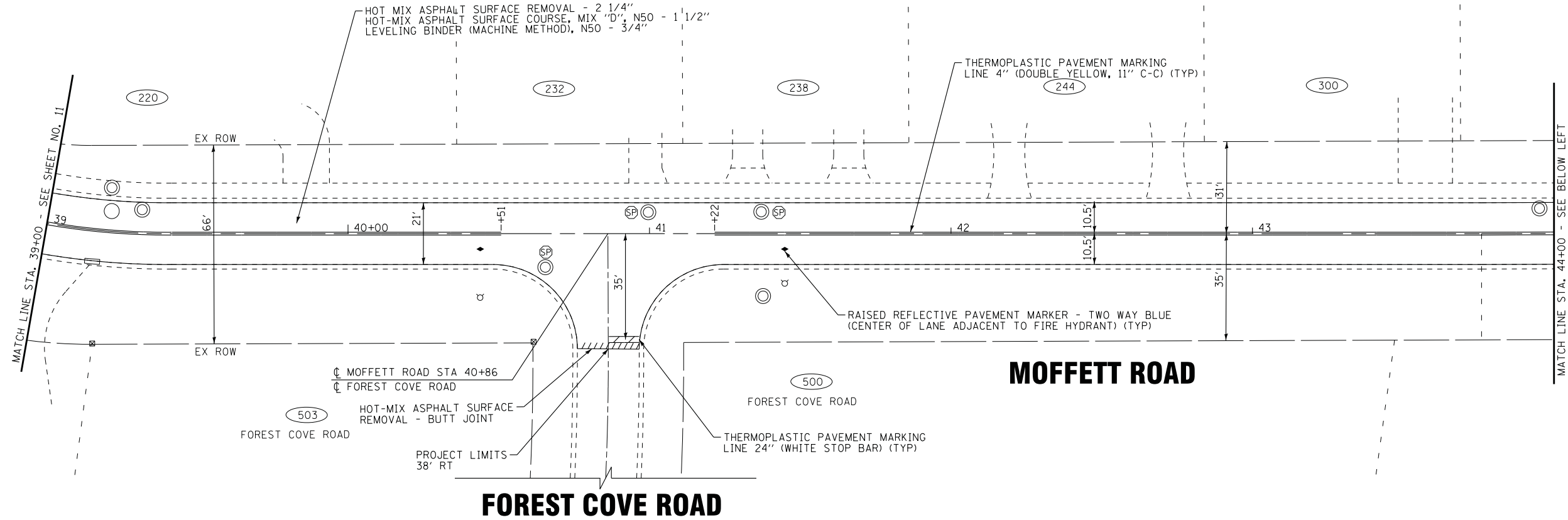
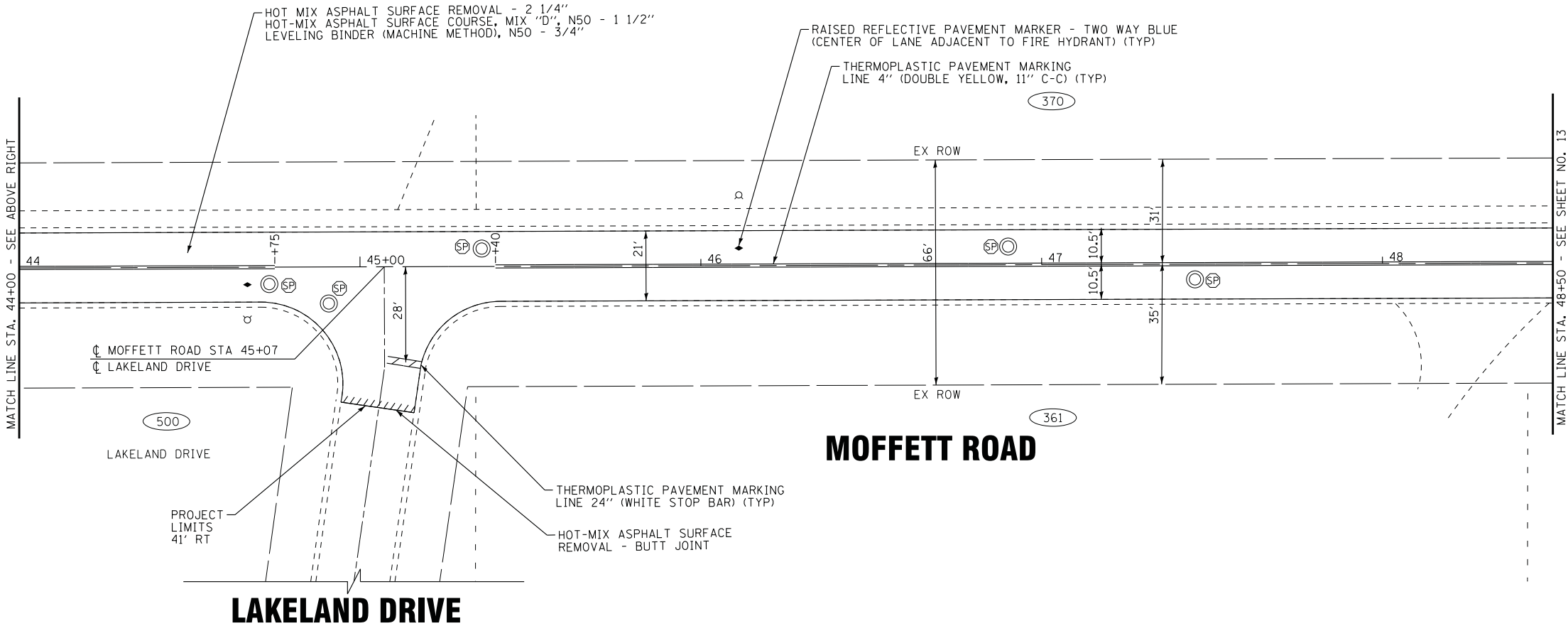
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN

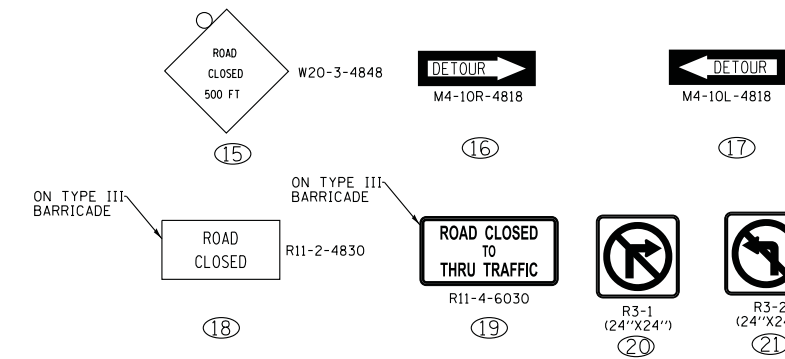
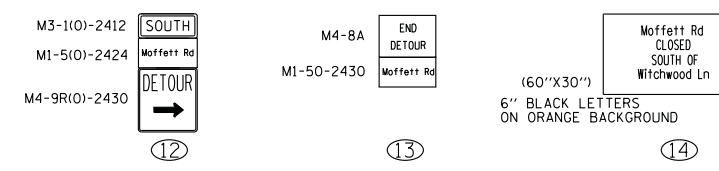
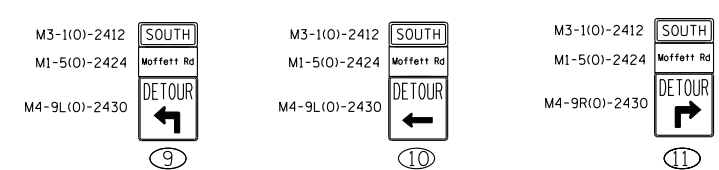
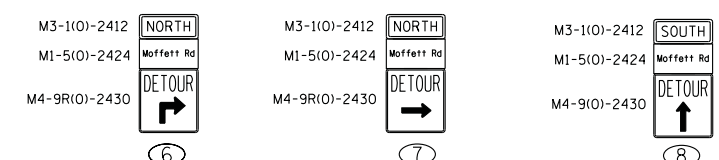
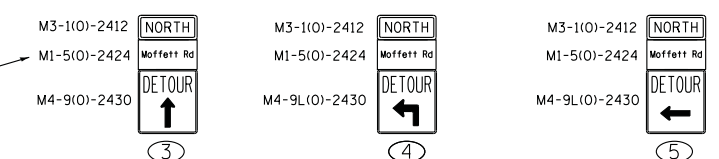
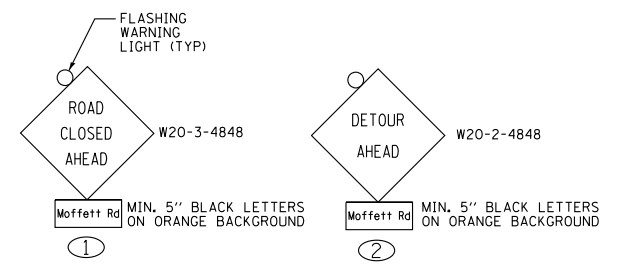
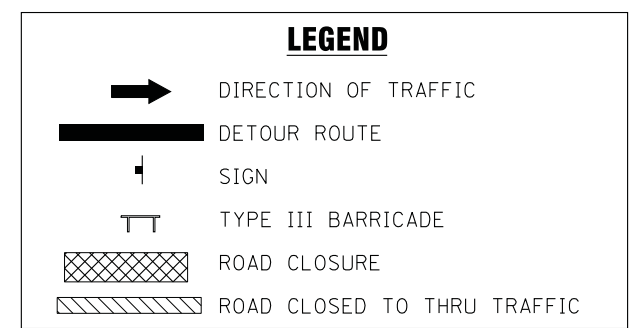
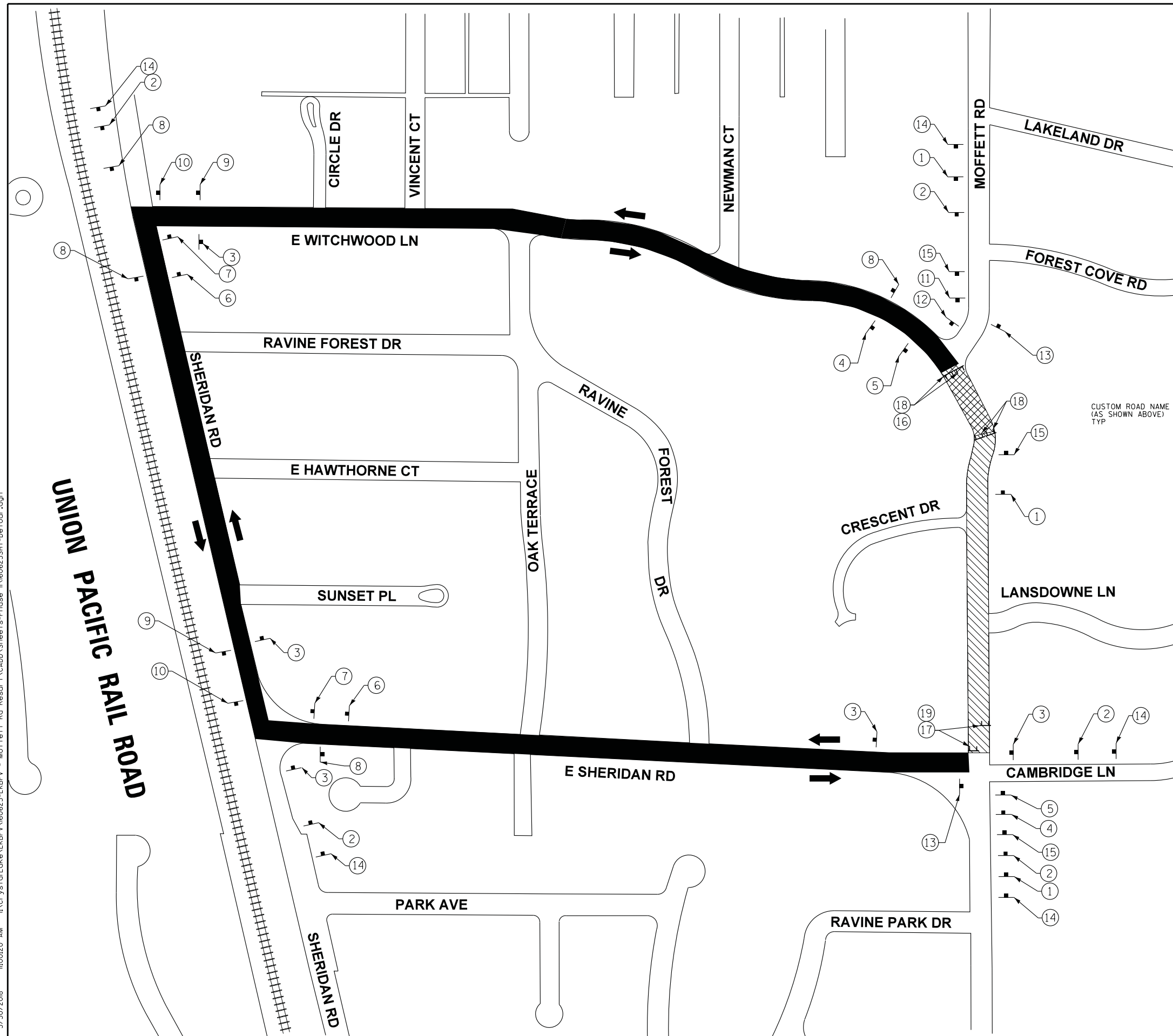
SCALE: 1" = 20'

STA. 39+00 TO STA. 48+50

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|-----------------|--------------|
| 2758 | 16-00036-00-RS | LAKE | 38 | 12 |
| CONTRACT NO. 61E76 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

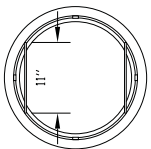






SOIL EROSION AND SEDIMENT CONTROL NOTES

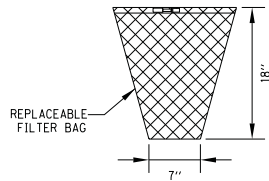
- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
- UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CONTRACTOR SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENGINEER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS, STREAM FLOW PATH, OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENGINEER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENGINEER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENGINEER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DETERMINED BY THE ENGINEER.
- P. VIRGIN SITE SOILS TO BE PROTECTED IN ALL AREAS OF ACCESS NOT SUBJECT TO REGRADING USING TEMPORARY ACCESS ROAD (SPECIAL). COMPACTION ON RAVINE SLOPES NEEDS TO BE MINIMIZED. IF FILL IS NEEDED, EFFORT SHOULD BE MADE TO USE SOILS EXCAVATED FROM ELSEWHERE ON SITE. IF TOPSOIL IS REQUIRED FOR DISTURBED AREAS IT MUST BE PLACED ON A TOOTHED BED OF EXISTING CLAY TO A DEPTH NO GREATER THAN 4". UNDER NO CIRCUMSTANCES SHOULD PULVERIZED TOPSOIL BE USED.
- Q. CONTRACTOR TO PROVIDE IN-STREAM WORK PLAN WHICH SHALL BE APPROVED BY THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION PRIOR TO BEGINNING WORK.



PLAN



SECTION



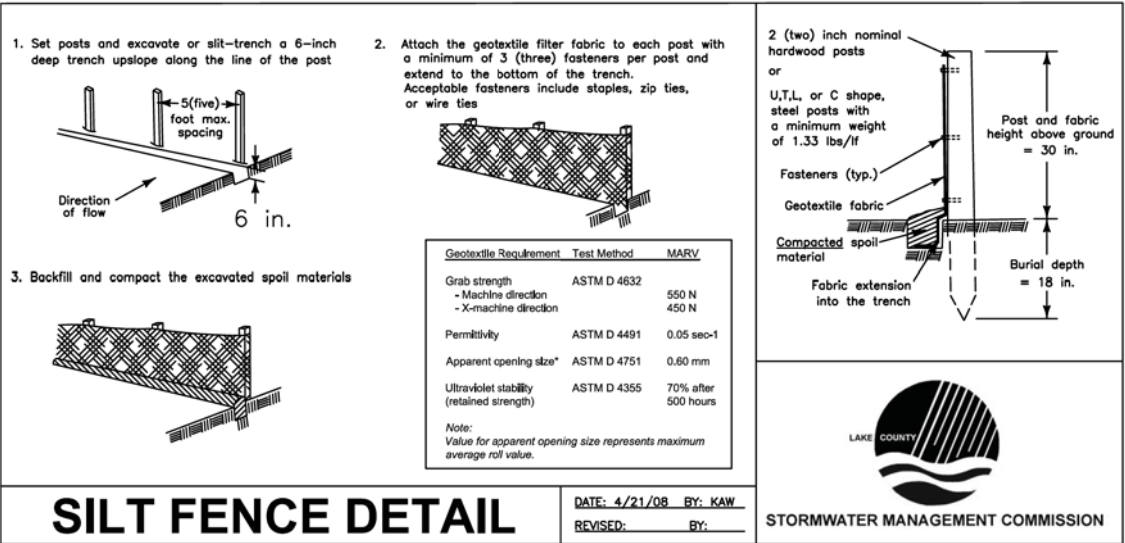
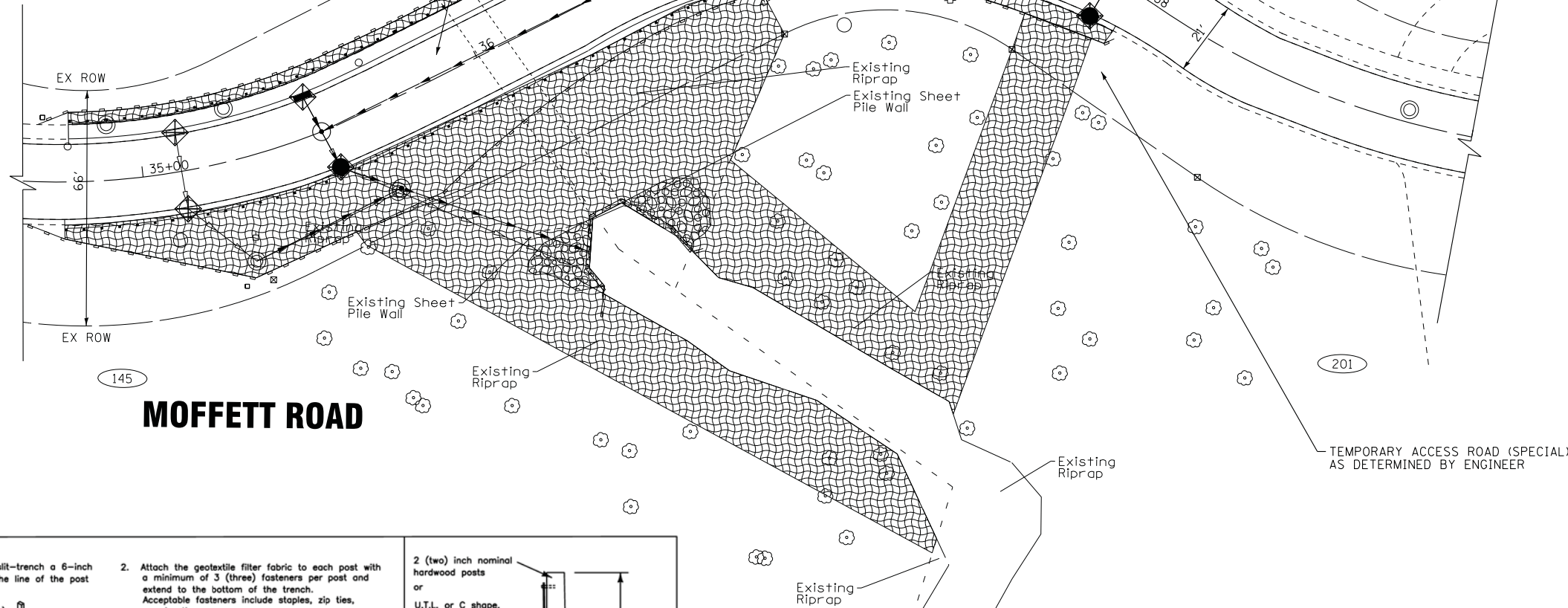
GENERAL NOTES:

FRAME: TOP RING CONSTRUCTED FROM 1 1/4" x 1 1/4" x 1/8" ANGLE. BASE RING CONSTRUCTED OF 1 1/2" x 1/2" x 1/8" CHANNEL. HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" x 1 1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.

REPLACEABLE BAG: CONSTRUCTED FROM 4 OZ./SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH, CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

INLET FILTER

NO SCALE



SILT FENCE DETAIL

DATE: 4/21/08 BY: KAW
REVISED: BY:



STORMWATER MANAGEMENT COMMISSION

PERIMETER EROSION BARRIER DETAIL

WITCHWOOD LANE



MOFFETT ROAD STA 37+37
WITCHWOOD LANE

TEMPORARY ACCESS ROAD (SPECIAL)
AS DETERMINED BY ENGINEER

LEGEND

- PERIMETER EROSION BARRIER
- INLET FILTERS
- TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET
- TEMPORARY EROSION CONTROL SEEDING

BAXTER & WOODMAN
Consulting Engineers

| | | | |
|------------|----------|-----------|-----------------------|
| DESIGNED - | DJS | REVISED - | |
| DRAWN - | KAR | REVISED - | |
| CHECKED - | DJS | REVISED - | |
| DATE - | 03-05-18 | FILE - | 160625SHT-Erosion.dgn |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1" = 20'

STA. 33+00 TO STA. 39+00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 2758 | 16-00036-00-R5 | LAKE | 38 | 15 |
| CONTRACT NO. 61E76 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-00121 - EXPIRES 4/30/2019
3/30/2018
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| | | |
|---|-----------------|------------------------------|
| BAXTER & WOODMAN Consulting Engineers | DESIGNED - DJS | REVISED - |
| | DRAWN - KAR | REVISED - |
| | CHECKED - DJS | REVISED - |
| | DATE - 03-05-18 | FILE - 160625SHT-Grading.dgn |
| | | |

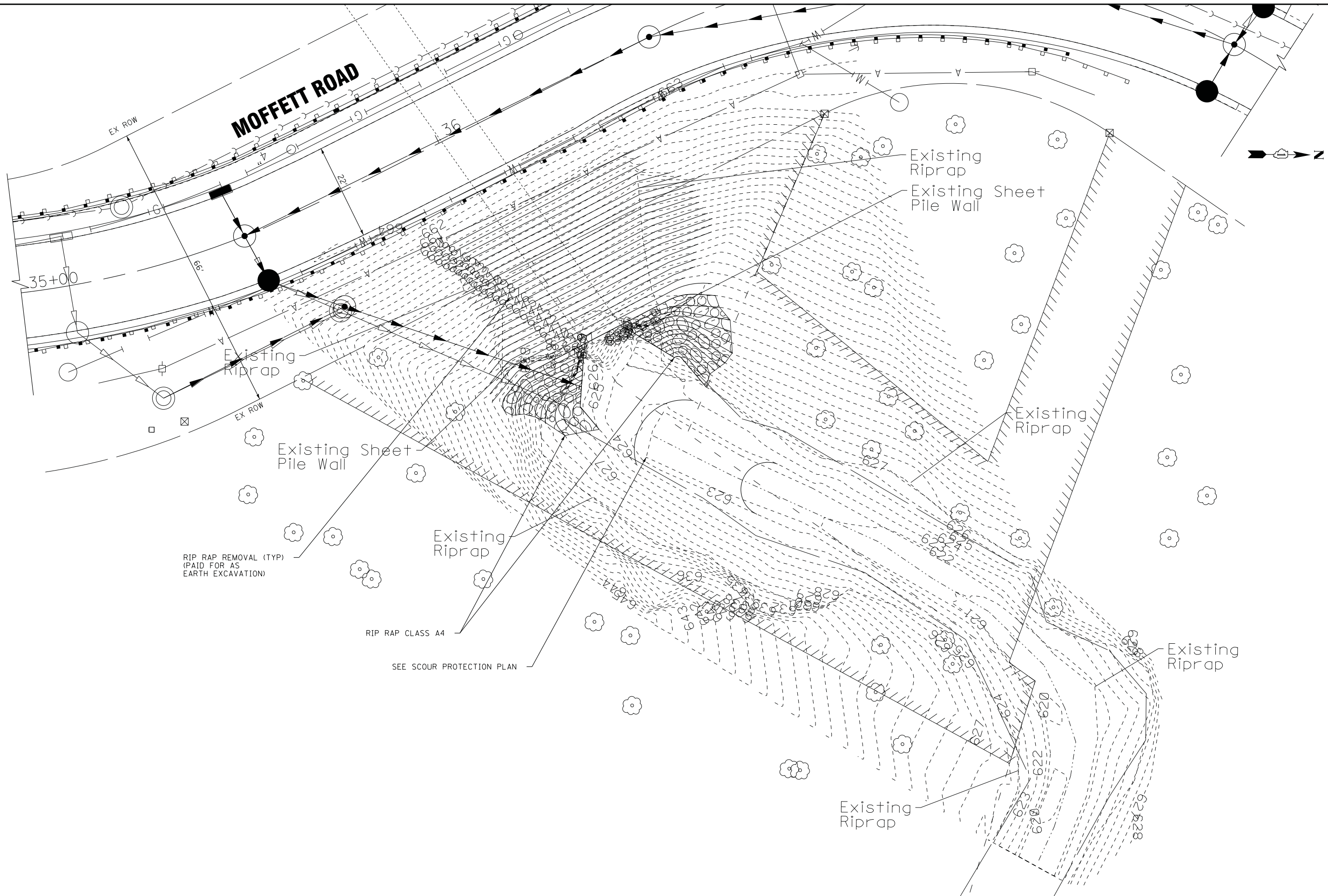
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

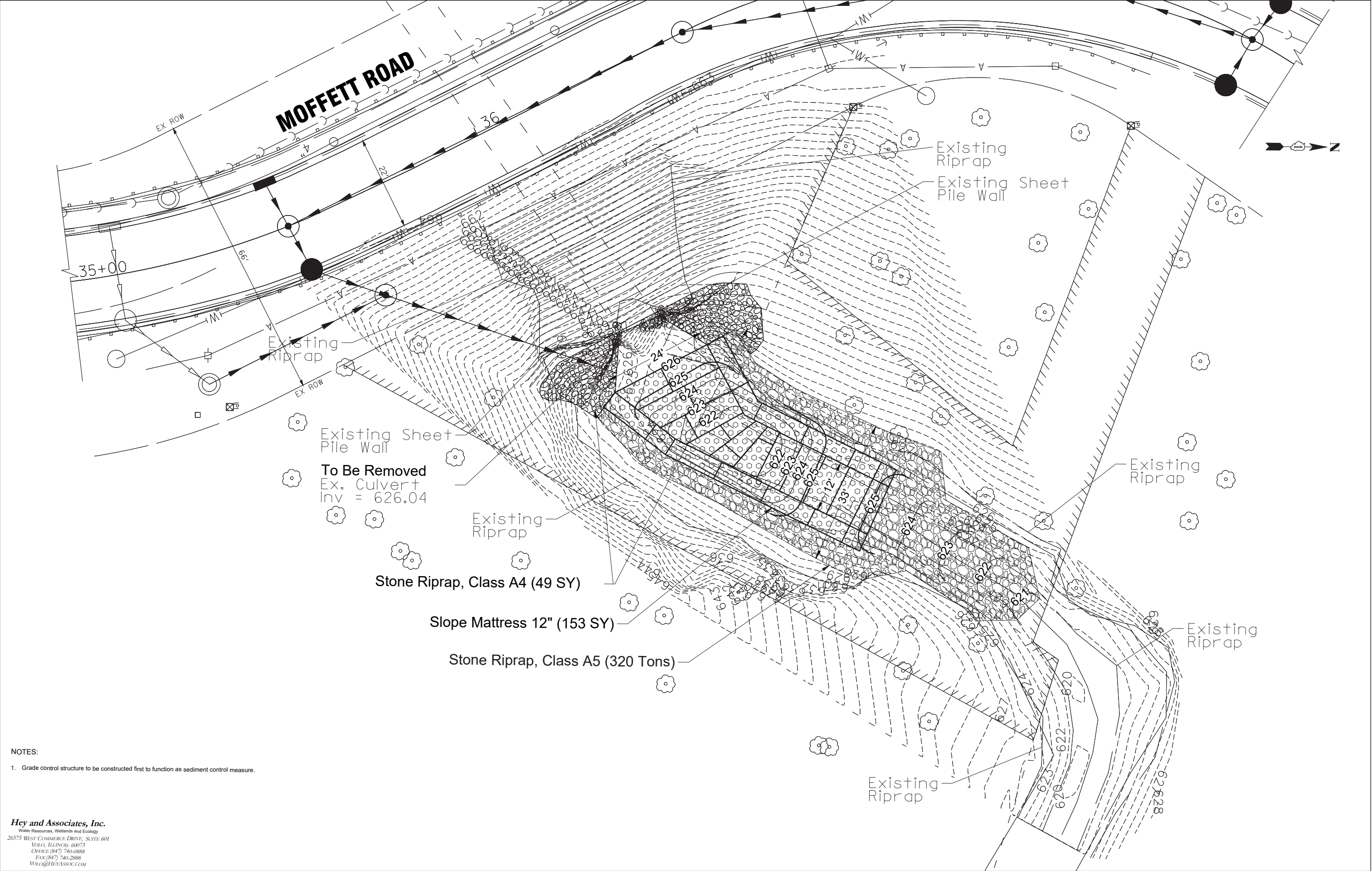
GRADING PLAN

SCALE: 1" = 10'

STA. 33+00 TO STA. 39+00

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|-----------------|--------------|
| 2758 | 16-00036-00-RS | LAKE | 38 | 16 |
| CONTRACT NO. 61E76 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |





NOTES:
1. Grade control structure to be constructed first to function as sediment control measure.

Hey and Associates, Inc.
Water Resources, Wetlands and Ecology
26575 WEST COMMERCE DRIVE, SUITE 601
VOLO, ILLINOIS 60075
OFFICE: (847) 740-0888
FAX: (847) 740-2888
VOLO@HEYASSOC.COM



| | | | |
|------------|----------|-----------|---------------------|
| DESIGNED - | DAK | REVISED - | 03-01-18 |
| DRAWN - | NAJ | REVISED - | |
| CHECKED - | DAK | REVISED - | |
| DATE - | 01-05-18 | FILE - | I60625SHT-Scour.dgn |

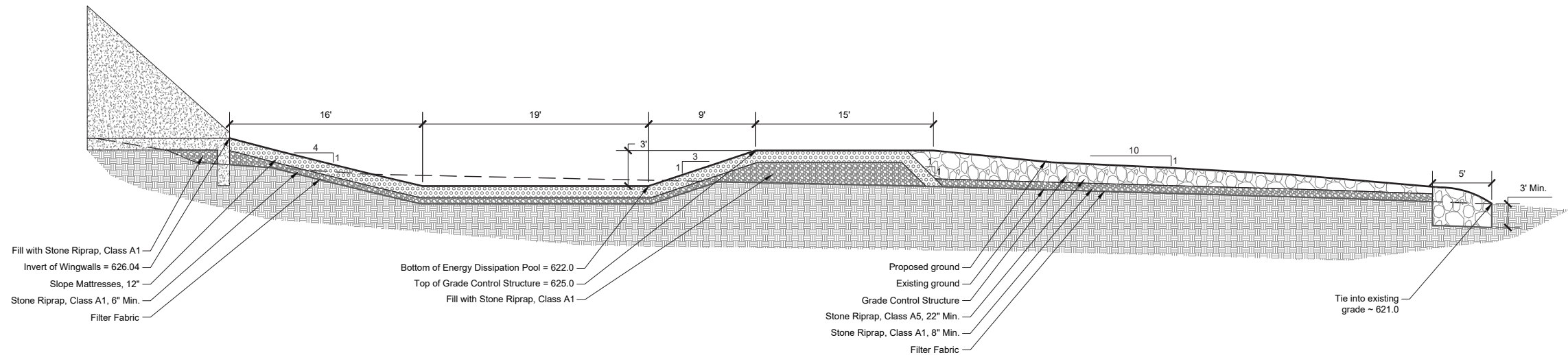
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCOUR PROTECTION PLAN

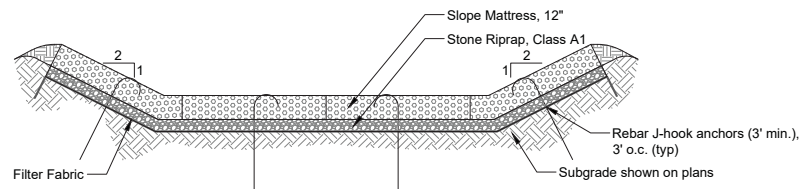
SCALE: 1" = 10'

STA. 33+00 TO STA. 39+00

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|----------------|------------------|--------------|-----------|
| 2758 | 16-00036-00-R5 | LAKE | 38 | 17 |
| CONTRACT NO. | | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |



SCOUR PROTECTION CROSS SECTION
SCALE: NTS



SLOPE MATTRESS ANCHOR DETAIL
SCALE: NTS

| | GRADE CONTROL STRUCTURE |
|---|-------------------------|
| Dimension | 1 |
| Height | 3 |
| Overflow Width | 22 |
| Overflow Length | 15 |
| Overflow Side Slope (X'H:1'V) | 1.5 |
| Approach Slope (X'H:1'V) | 3 |
| Approach Slope Length | 9 |
| Back Slope (X'H:1'V) | 10 |
| Back Slope Length | 40 |
| Existing Channel Invert | 622.0 |
| Proposed Crest Elevation | 625.0 |
| Overflow Depth | 3 |
| Slope Tie-in Elevation - Crest and Upstream | 628.0 |
| Downstream Channel Tie-in Width | 7 |
| Upstream Channel Tie-in Width | 21 |
| Slope Tie-in Elevation - Downstream | 625.0 |
| Crest Tie-in Length | 4.5 |

Hey and Associates, Inc.
Water Resources, Wetlands and Ecology
26575 WEST COMMERCE DRIVE, SUITE 601
VOLO, ILLINOIS 60073
OFFICE (847) 740-0888
FAX (847) 740-2888
VOL@HEYASSOC.COM

BAXTER & WOODMAN
Consulting Engineers

| | | | |
|----------|------------|---------|----------------------------|
| DESIGNED | - DAK | REVISED | - 03-01-18 |
| DRAWN | - NAJ | REVISED | - |
| CHECKED | - DAK | REVISED | - |
| DATE | - 01-05-18 | FILE | - I60625_Scour_Details.dgn |

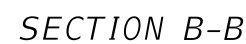
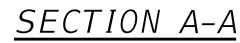
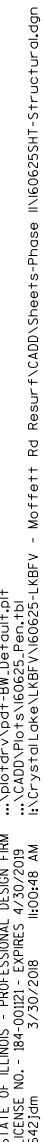
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCOUR PROTECTION DETAILS

SCALE: STA. TO STA.

| F.A.P. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|----------------|------------------|--------------|-----------|
| 2758 | 16-00036-00-RS | LAKE | 38 | 18 |
| CONTRACT NO. | | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

| | | | | |
|---------------------|----------------|--------------------|-----------------|--------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2758 | 16-00036-00-RS | LAKE | 38 | 19 |
| | | CONTRACT NO. 61E76 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |



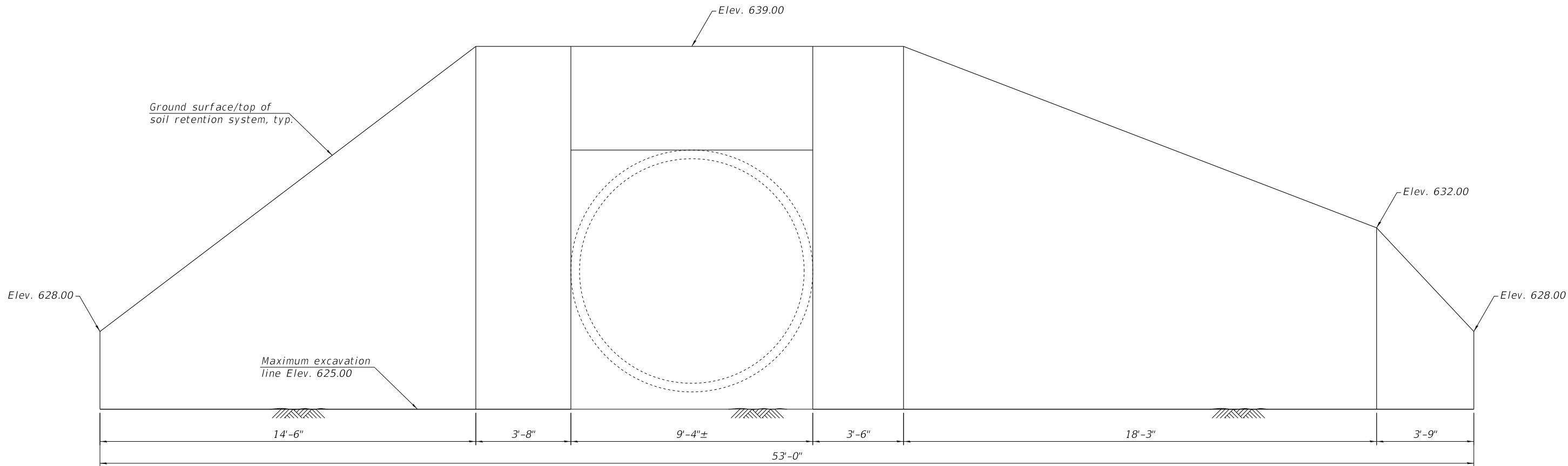
3/5/18

$$f'_c = 3,500 \text{ psi}$$
$$f_y = 60,000 \text{ psi (Reinforcement)}$$

| ITEM | UNIT | TOTAL |
|--|-------|-------|
| Removal of Existing Structures * | Each | 1 |
| Cast-in-Place Reinforced Concrete End Section ** | Each | 1 |
| Temporary Soil Retention System | Sq Ft | 470 |
| Granular Backfill for Structures | Cu Yd | 17 |
| Geocomposite Wall Drain | Sq Yd | 13 |

* Removal of Existing Structures shall include pipe culvert concrete end section (east end only) and steel sheet piling.
 ** See Special Provisions.
 Reinforcement bars designated (E) shall be epoxy coated.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-00121 - EXPIRES 4/30/2019
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3/30/2018
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TEMPORARY SOIL RETENTION SYSTEM ELEVATION (DEVELOPED)



| | | | |
|----------|------------|---------|----------------------------|
| DESIGNED | - AS | REVISED | - |
| DRAWN | - AS | REVISED | - |
| CHECKED | - BAB | REVISED | - |
| DATE | - 03-05-18 | FILE | - 160625SHT-Structural.dgn |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SOIL RETENTION SYSTEM

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| 2758 | 16-00036-00-RS | LAKE | 38 | 21 |
| CONTRACT NO. 61E76 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



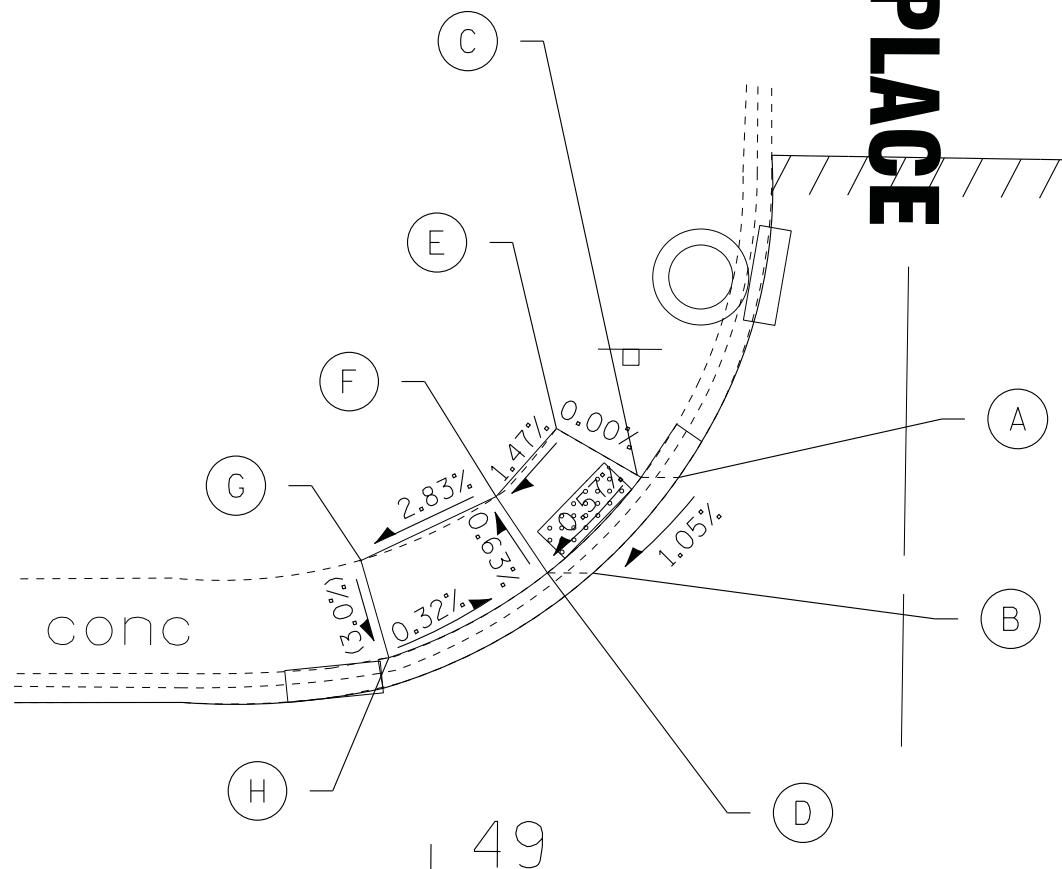
35

MOFFETT ROAD

| | STATION | OFFSET | ELEVATION |
|---|----------|---------|-----------|
| A | 32+18.70 | 22.1' L | 673.80' |
| B | 32+14.45 | 16.8' L | 673.83' |
| C | 32+17.35 | 22.8' L | 673.88' |
| D | 32+13.37 | 17.7' L | 673.90' |
| E | 32+12.76 | 25.0' L | 673.96' |
| F | 32+09.41 | 21.3' L | 673.98' |
| G | 32+00.35 | 16.6' L | 674.23' |
| H | 32+01.24 | 11.2' L | 674.09' |

| | STATION | OFFSET | ELEVATION |
|---|----------|---------|-----------|
| A | 32+47.04 | 21.7' L | 673.36 |
| B | 32+51.44 | 16.6' L | 673.26 |
| C | 32+48.13 | 22.6' L | 673.40 |
| D | 32+52.54 | 17.6' L | 673.30 |
| E | 32+51.28 | 25.4' L | 673.46 |
| F | 32+56.43 | 21.0' L | 673.38 |
| G | 32+62.75 | 17.7' L | 673.21 |
| H | 32+61.00 | 12.6' L | 673.10 |

SHERIDAN PLACE



MOFFETT ROAD



SHERIDAN - SOUTHWEST

| | STATION | OFFSET | ELEVATION |
|---|----------|---------|-----------|
| A | 49+12.79 | 21.2' L | 664.29 |
| B | 49+08.35 | 16.2' L | 664.22 |
| C | 49+10.84 | 21.2' L | 664.33 |
| D | 49+05.98 | 16.2' L | 664.29 |
| E | 49+06.41 | 23.7' L | 664.33 |
| F | 49+03.29 | 20.1' L | 664.26 |
| G | 48+96.26 | 16.8' L | 664.48 |
| H | 48+97.75 | 11.7' L | 664.32 |

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-00121 - EXPIRES 4/30/2019
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| | | | | |
|----------|---|----------|---------|-----------------------------|
| DESIGNED | - | DJS | REVISED | - |
| DRAWN | - | KAR | REVISED | - |
| CHECKED | - | DJS | REVISED | - |
| DATE | - | 03-05-18 | FILE | - 160625SHT-ADA3.Sylvan.dgn |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL
MOFFETT ROAD AND SYLVAN ROAD

SCALE: 1" = 5'

STA. TO STA.

| | | | | |
|---------------------|----------------|------------------|-----------------|--------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2758 | 16-00036-00-RS | LAKE | 38 | 24 |
| CONTRACT NO. 61E76 | | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

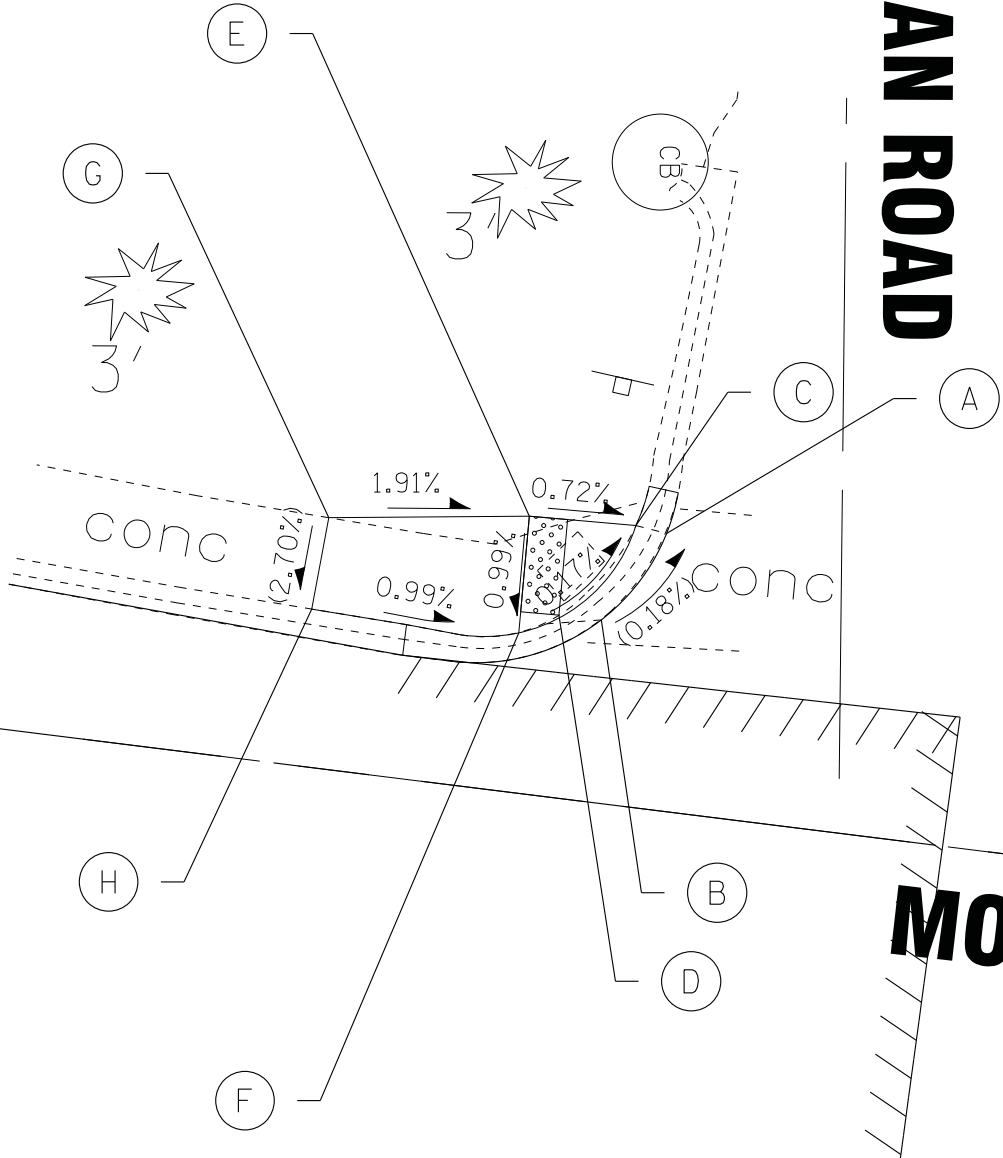


SYLVAN ROAD

MOFFETT ROAD

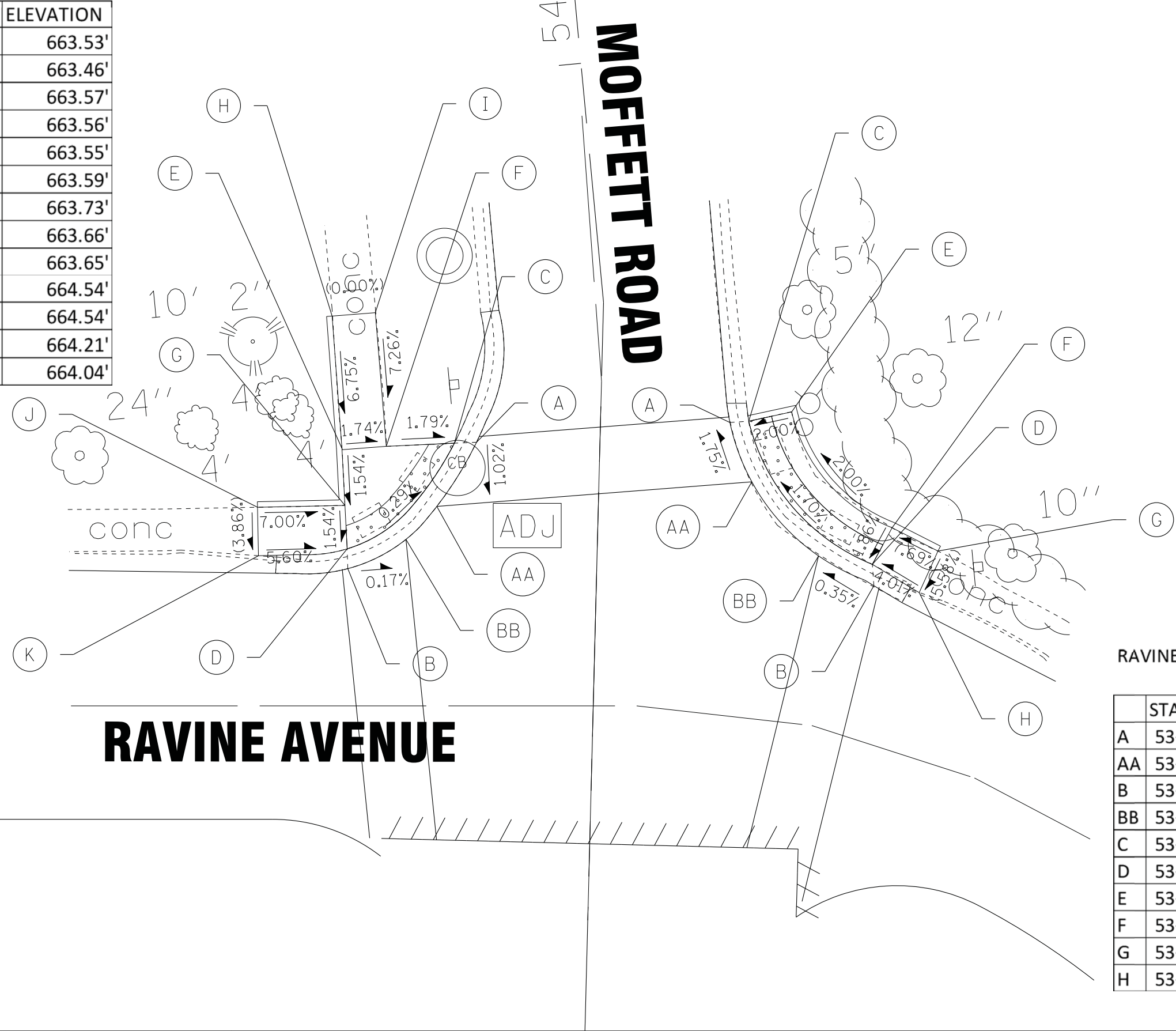
SYLVAN - SOUTHWEST

| | STATION | OFFSET | ELEVATION |
|---|----------|---------|-----------|
| A | 51+57.73 | 14.4' L | 663.30' |
| B | 51+54.91 | 9.5' L | 663.31' |
| C | 51+56.09 | 14.4' L | 663.34' |
| D | 51+52.69 | 9.5' L | 663.35' |
| E | 51+50.52 | 14.4' L | 663.38' |
| F | 51+50.73 | 8.3' L | 663.32' |
| G | 51+40.16 | 13.0' L | 663.58' |
| H | 51+39.87 | 8.2' L | 663.45' |



RAVINE - NORTHWEST

| | STATION | OFFSET | ELEVATION |
|----|----------|---------|-----------|
| A | 53+65.37 | 11.1' L | 663.53' |
| AA | 53+59.48 | 14.6' L | 663.46' |
| B | 53+53.66 | 22.5' L | 663.57' |
| BB | 53+56.43 | 17.3' L | 663.56' |
| C | 53+65.23 | 13.2' L | 663.55' |
| D | 53+55.44 | 22.6' L | 663.59' |
| E | 53+64.50 | 23.3' L | 663.73' |
| F | 53+64.79 | 19.3' L | 663.66' |
| G | 53+59.36 | 22.9' L | 663.65' |
| H | 53+76.44 | 24.5' L | 664.54' |
| I | 53+76.84 | 20.6' L | 664.54' |
| J | 53+58.99 | 30.8' L | 664.21' |
| K | 53+54.61 | 30.6' L | 664.04' |



RAVINE - NORTHEAST

| | STATION | OFFSET | ELEVATION |
|----|----------|---------|-----------|
| A | 53+67.74 | 11.7' R | 663.52' |
| AA | 53+62.43 | 13.8' R | 663.62' |
| B | 53+53.20 | 25.1' R | 663.81' |
| BB | 53+55.89 | 20.0' R | 663.79' |
| C | 53+67.90 | 13.4' R | 663.54' |
| D | 53+55.25 | 24.9' R | 663.83' |
| E | 53+68.85 | 17.3' R | 663.62' |
| F | 53+58.60 | 26.6' R | 663.90' |
| G | 53+56.60 | 30.8' R | 664.26' |
| H | 53+52.80 | 29.2' R | 664.03' |

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-00121 - EXPIRES 4/30/2019
3/30/2018
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BAXTER & WOODMAN
Consulting Engineers

| | | | |
|------------|----------|-----------|---------------------------|
| DESIGNED - | DJS | REVISED - | |
| DRAWN - | KAR | REVISED - | |
| CHECKED - | DJS | REVISED - | |
| DATE - | 03-05-18 | FILE - | 160625SHT-ADA4_Ravine.dgn |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL
MOFFETT ROAD AND RAVINE AVENUE

SCALE: 1" = 5' STA. TO STA.

| | | | | |
|---------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2758 | 16-00036-00-RS | LAKE | 38 | 25 |
| CONTRACT NO. 61E76 | | | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

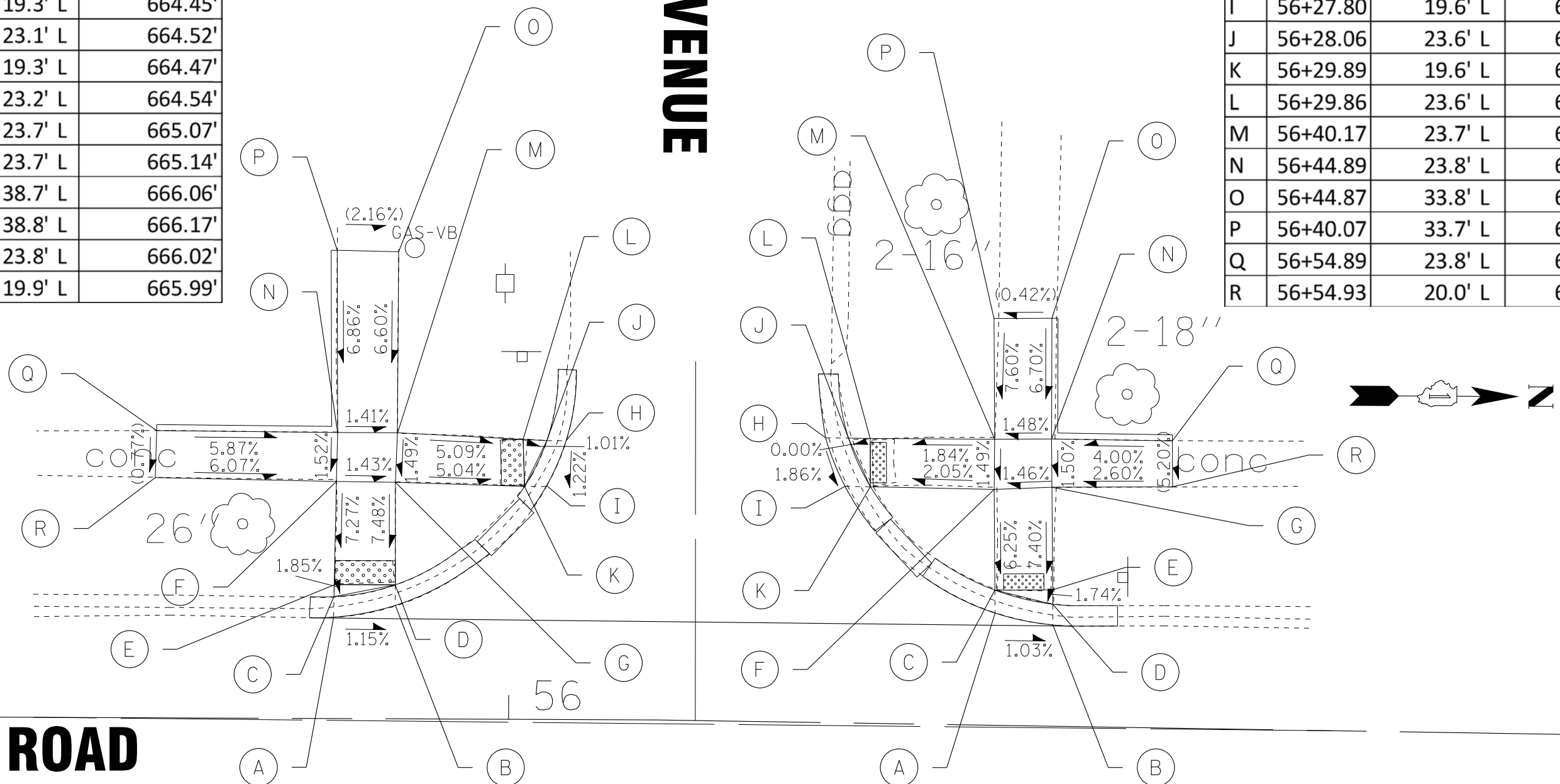
PROSPECT - SOUTHWEST

| | STATION | OFFSET | ELEVATION |
|---|----------|---------|-----------|
| A | 55+85.47 | 8.4' L | 664.41' |
| B | 55+90.58 | 9.4' L | 664.35' |
| C | 55+85.49 | 10.1' L | 664.43' |
| D | 55+90.57 | 11.1' L | 664.37' |
| E | 55+85.51 | 11.1' L | 664.45' |
| F | 55+85.65 | 19.8' L | 665.08' |
| G | 55+90.54 | 19.6' L | 665.01' |
| H | 56+04.67 | 23.1' L | 664.50' |
| I | 56+03.03 | 19.3' L | 664.45' |
| J | 56+03.07 | 23.1' L | 664.52' |
| K | 56+01.24 | 19.3' L | 664.47' |
| L | 56+01.10 | 23.2' L | 664.54' |
| M | 55+90.69 | 23.7' L | 665.07' |
| N | 55+85.74 | 23.7' L | 665.14' |
| O | 55+90.73 | 38.7' L | 666.06' |
| P | 55+85.64 | 38.8' L | 666.17' |
| Q | 55+70.74 | 23.8' L | 666.02' |
| R | 55+70.65 | 19.9' L | 665.99' |

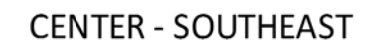
PROSPECT - NORTHWEST

| | STATION | OFFSET | ELEVATION |
|---|----------|---------|-----------|
| A | 56+40.27 | 9.3' L | 664.15' |
| B | 56+45.06 | 8.4' L | 664.10' |
| C | 56+40.24 | 11.2' L | 664.17' |
| D | 56+45.04 | 10.1' L | 664.12' |
| E | 56+45.03 | 11.3' L | 664.14' |
| F | 56+40.15 | 19.7' L | 664.70' |
| G | 56+44.93 | 19.8' L | 664.77' |
| H | 56+26.16 | 23.6' L | 664.55' |
| I | 56+27.80 | 19.6' L | 664.47' |
| J | 56+28.06 | 23.6' L | 664.57' |
| K | 56+29.89 | 19.6' L | 664.49' |
| L | 56+29.86 | 23.6' L | 664.57' |
| M | 56+40.17 | 23.7' L | 664.76' |
| N | 56+44.89 | 23.8' L | 664.83' |
| O | 56+44.87 | 33.8' L | 665.50' |
| P | 56+40.07 | 33.7' L | 665.52' |
| Q | 56+54.89 | 23.8' L | 665.23' |
| R | 56+54.93 | 20.0' L | 665.03' |

PROSPECT AVENUE



MOFFETT ROAD

[illegible]

| | STATION | OFFSET | ELEVATION |
|---|----------|---------|-----------|
| A | 59+20.32 | 10.0' R | 661.08' |
| B | 59+15.32 | 9.4' R | 661.15' |
| C | 59+20.34 | 11.9' R | 661.10' |
| D | 59+15.33 | 11.1' R | 661.17' |
| E | 59+15.34 | 11.9' R | 661.18' |
| F | 59+34.28 | 22.5' R | 660.49' |
| G | 59+35.95 | 27.5' R | 660.39' |
| H | 59+32.40 | 22.6' R | 660.51' |
| I | 59+34.18 | 27.5' R | 660.41' |
| J | 59+32.44 | 27.6' R | 660.43' |
| K | 59+20.47 | 22.7' R | 661.24' |
| L | 59+20.52 | 27.7' R | 661.32' |
| M | 59+15.47 | 22.8' R | 661.31' |
| N | 59+15.52 | 27.8' R | 661.39' |
| O | 59+20.49 | 32.7' R | 661.49' |
| P | 59+15.63 | 32.8' R | 661.62' |

MOFFETT ROAD

| STA. | TO STA. |
|------|---------|
|------|---------|

| | | | | |
|---------------------|----------------|--------------------|-----------------|--------------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 2758 | 16-00036-00-RS | LAKE | 38 | 27 |
| | | CONTRACT NO. 61E76 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

BAXTER & WOODMAN
Consulting Engineers

| | |
|-----------------|----------------------------------|
| DESIGNED - DJS | REVISED - |
| DRAWN - KAR | REVISED - |
| CHECKED - DJS | REVISED - |
| DATE - 03-05-18 | FILE - 160625SHT-ADA6_Center.dgn |

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LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

CLASS SI CONCRETE COLLAR

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
- A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

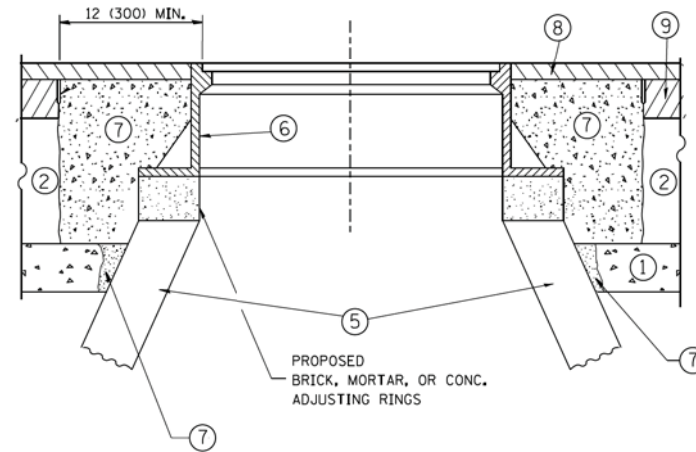
TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

| | | | | | | | | | | | | | |
|--|----------------------------|-----------------------|-------------------------------|---|---|-------------|-------------|------|--------------------|-----------------------|----------|------------------|--------------|
| FILE NAME = W:\diststdr\22x34\bd07.dgn 6/24/2008 | USER NAME = gaglienobt | DESIGNED - M. DE YONG | REVISED - M. DE YONG 05-08-92 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER | | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - | REVISED - R. SHAH 09-09-94 | | | | | | 2758 | 16-00036-00-RS | LAKE | 38 | 28 |
| | PLOT SCALE = 50.000' / IN. | CHECKED - | REVISED - R. SHAH 10-25-94 | | BD500-01 (BD-7) | | | | CONTRACT NO. 61E76 | | | | |
| | PLOT DATE = 1/4/2008 | DATE - 07-25-90 | REVISED - R. SHAH 06-12-96 | | SCALE: NONE | SHEET NO. 1 | OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | |



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.

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

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

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

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:

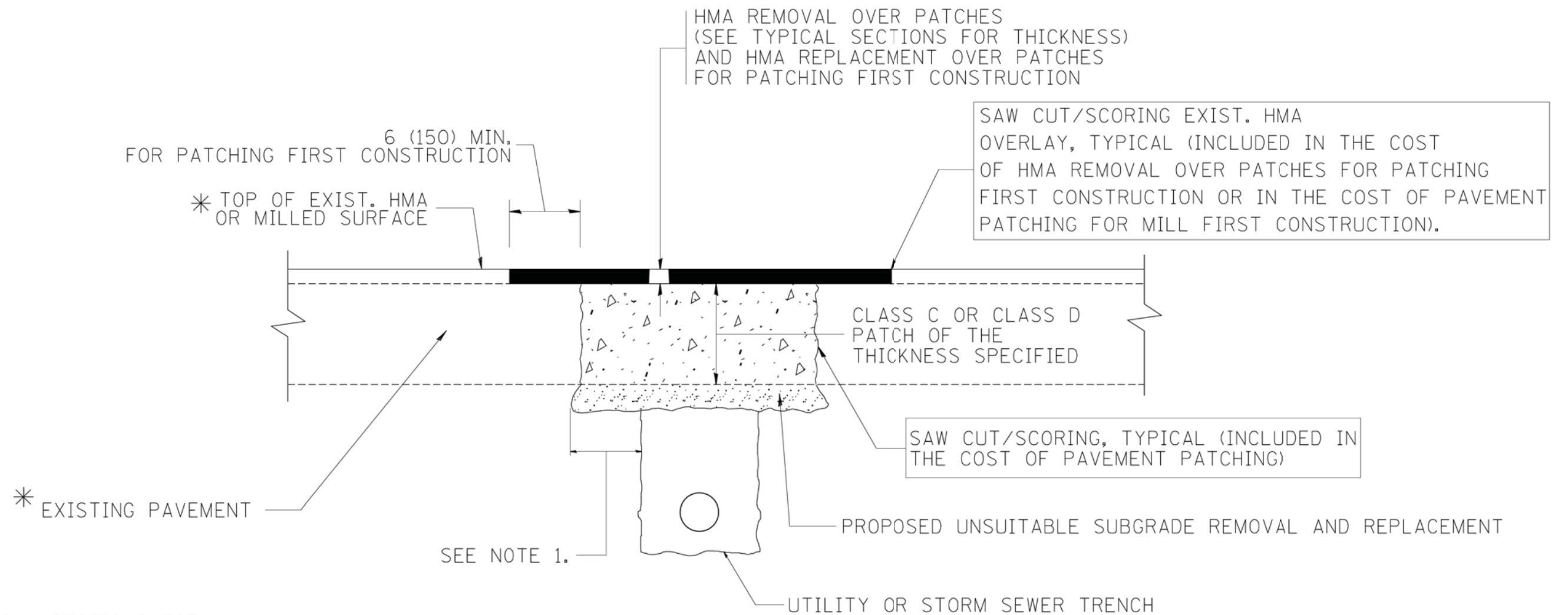
REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

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.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

| | | | | | | | | | | | | |
|--|---------------------|--------------------|--------------------------------|---|--|-------------------------|--------------|-----------------------|----------------|------------------|--------------|-----------|
| FILE NAME = | USER NAME = bauerdl | DESIGNED - R. SHAH | REVISED - R. WIEDEMAN 05-14-04 | <div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div> | <div>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</div> | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| cs:\pw\work\p\wdot\bauerdl\d0108315\bd88.dgn | | DRAWN - | REVISED - R. BORO 01-01-07 | | | | | 2758 | 16-00036-00-RS | LAKE | 38 | 29 |
| PLOT SCALE = 1968.5000 ' / m | | CHECKED - | REVISED - R. BORO 03-09-11 | | BD600-03 (BD-8) | | | CONTRACT NO. 61E76 | | | | |
| PLOT DATE = 12/6/2011 | | DATE - 10-25-94 | REVISED - R. BORO 12-06-11 | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

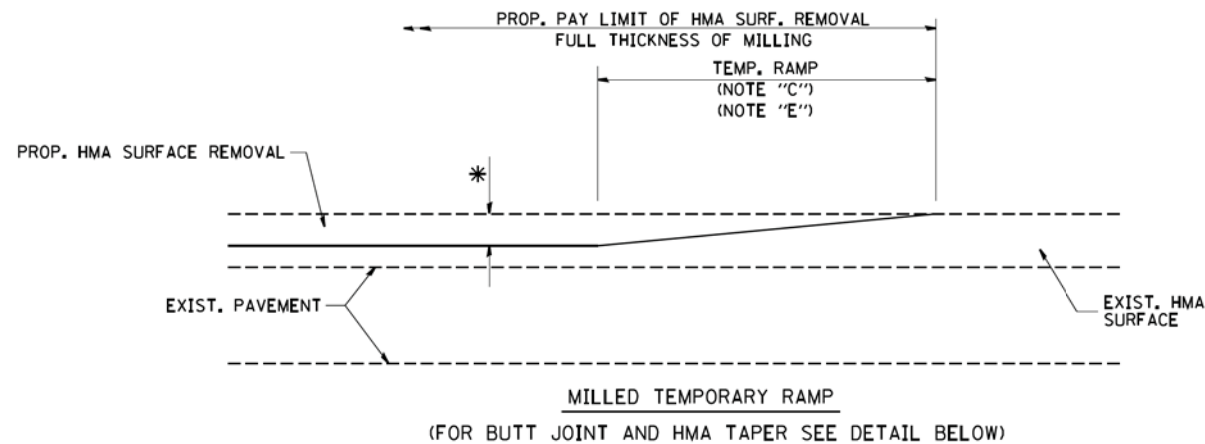


NOTES:

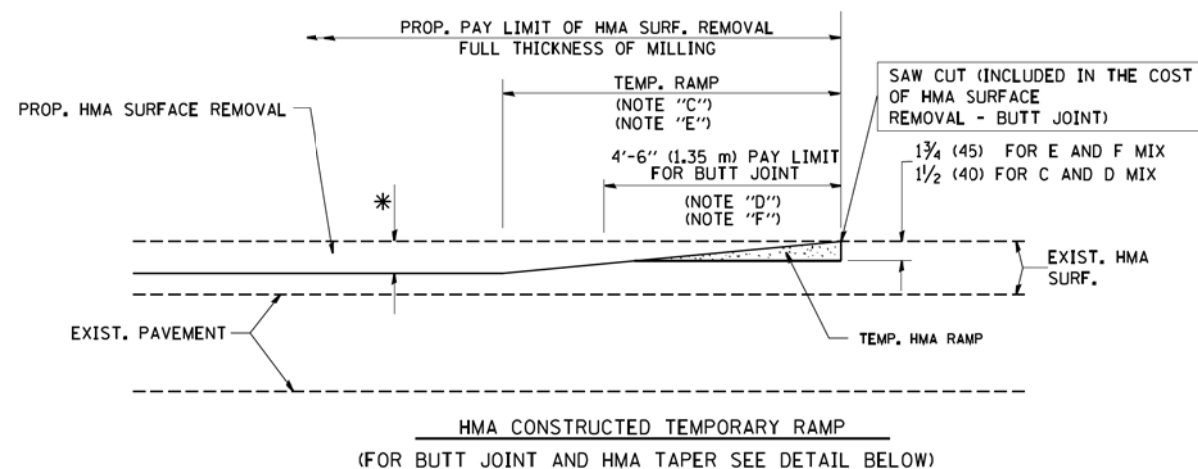
SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

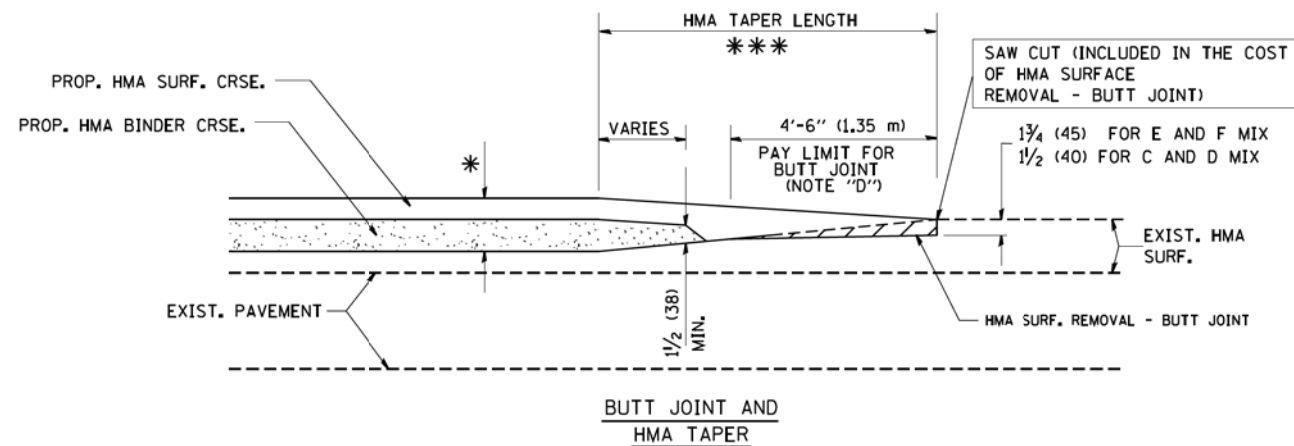


OPTION 1

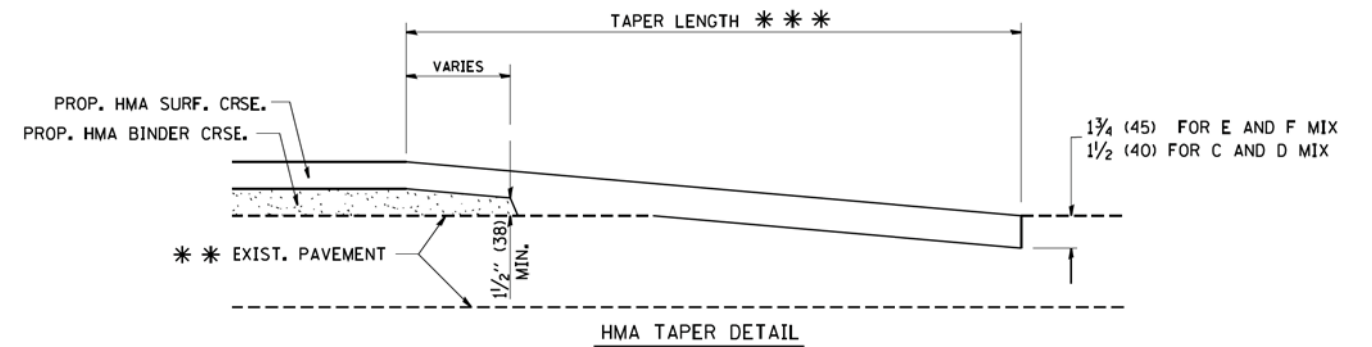
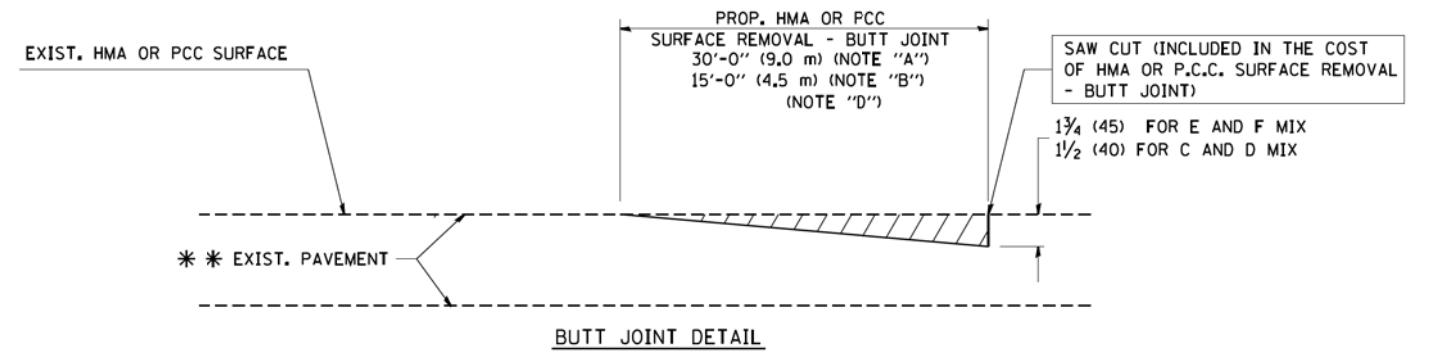


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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.

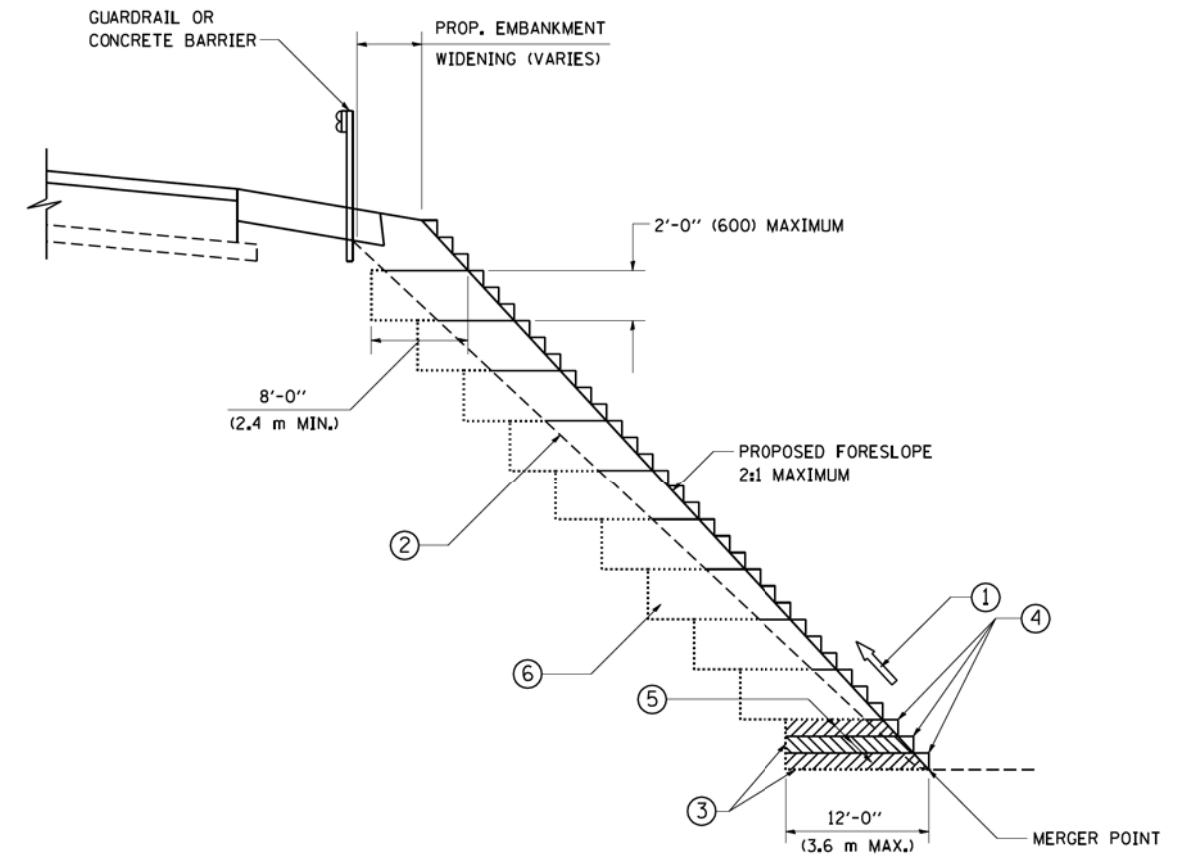
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|---------------------------|-----------------------------|-----------------------|-----------------------------|
| FILE NAME = | USER NAME = geglano | DESIGNED - M. DE YONG | REVISED - R. SHAH 10-25-94 |
| W:\diststd\22x34\bd32.dgn | | DRAWN - | REVISED - A. ABBAS 03-21-97 |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - M. GOMEZ 04-06-01 |
| | PLOT DATE = 1/4/2008 | 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. |
|---|----------------|--------------------|-----------------|--------------|
| 2758 | 16-00036-00-RS | LAKE | 38 | 32 |
| BD400-05 BD32 | | CONTRACT NO. 61E76 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

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

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

| | | | | | | | | | | |
|--|------------------------------|------------------|-----------|---|--|-------------------------|----------------|-------------------------|--------------|--------------|
| FILE NAME = W:\diststd\22x34\bd51.dgn | USER NAME = geglianobt | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BENCHING DETAIL FOR EMBANKMENT WIDENING | UNLESS OTHERWISE SHOWN: | | | | |
| | PLOT SCALE = 50.0000 ' / IN. | CHECKED - S.E.B. | REVISED - | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | PLOT DATE = 1/4/2008 | DATE - 06-16-04 | REVISED - | | | 2758 | 16-00036-00-RS | LAKE | 38 | 33 |
| | | | | | | BD-51 | | CONTRACT NO. 61E76 | | |
| | | | | | | SCALE: NONE | | SHEET NO. 1 OF 1 SHEETS | | STA. TO STA. |
| | | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | |



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).

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

| | | | | | | | | | | | | | |
|---|---------------------|-----------------------|--------------------------------|---|--|---------------------|--------------------|---------------------------|---------------|---------|--------|-----------------|--------------|
| FILE NAME = | USER NAME = footemj | DESIGNED - L.H.A. | REVISED - A. HOUSEH 10-15-96 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS | | | | F.A.U RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| pwt\IL084EBIDINTEGallinos.gov\PIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\DRAWN\CADD\DATA\CADsheets\tcl0.dgn | | CHECKED - | REVISED - T. RAMMACH 01-06-00 | | 2758 | 16-00036-00-RS | LAKE | 38 | 34 | | | | |
| PLOT SCALE = 50,000' / in. | | CHECKED - | REVISED - A. SCHUETZE 07-01-13 | | TC-10 | | CONTRACT NO. 61E76 | | | | | | |
| Default | | PLOT DATE = 9/15/2016 | REVISED - A. SCHUETZE 09-15-16 | | SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT | | | | | |

2-LANE ROADWAY

MULTI-LANE UNDIVIDED

MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

DETAIL "A"

DETAIL "B"

TYPICAL CROSSWALK MARKING

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

4' (1.2 m) WIDE MEDIANS ONLY

MEDIANS OVER 4' (1.2 m) WIDE

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

MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

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

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

ISLAND OFFSET FROM PAVEMENT EDGE

ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

COMBINATION LEFT AND U-TURN

U-TURN

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

LANE REDUCTION TRANSITION

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

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING /REMARKS |
|---|---|------------------------------------|---|--|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 4 (100) 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MEDIANS IN YELLOW |
| TURN LANE MARKINGS | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW | SKIP-DASH AND SOLID IN PAIRS | YELLOW WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS | SOLID | YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) |
| SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8') | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h)) |
| U TURN ARROW | SEE DETAIL | SOLID | WHITE | 16.3 SF |
| 2 ARROW COMBINATION LEFT AND U TURN | SEE DETAIL | SOLID | WHITE | 30.4 SF |

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

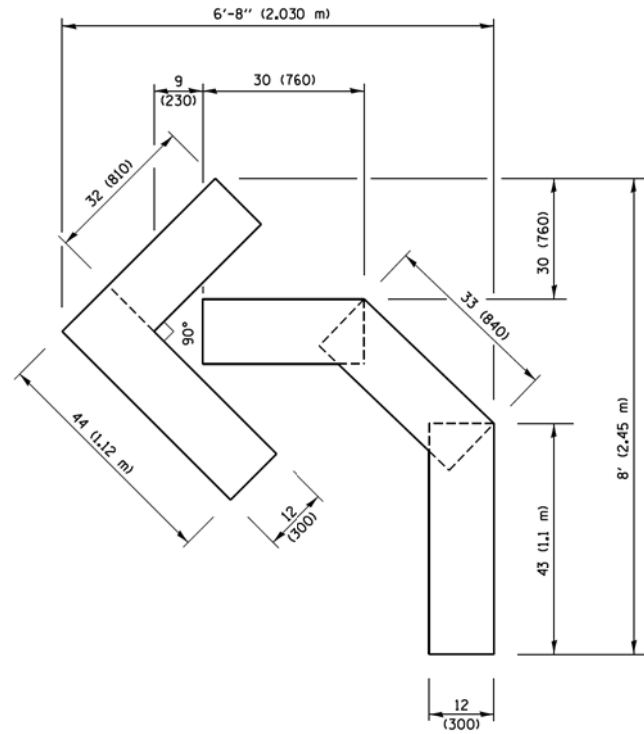
All dimensions are in inches (millimeters) unless otherwise shown.

| | | | |
|---------------------------|-----------------------|------------------|------------------------------|
| FILE NAME = | USER NAME = leysa | DESIGNED - EVERS | REVISED - C. JUCIUS 09-09-09 |
| W:\diststd\22x34\tcl3.dgn | | DRAWN - | REVISED - C. JUCIUS 07-01-13 |
| | | CHECKED - | REVISED - C. JUCIUS 12-21-15 |
| Default | PLOT DATE = 6/23/2017 | DATE = 03-19-90 | REVISED - C. JUCIUS 04-12-16 |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

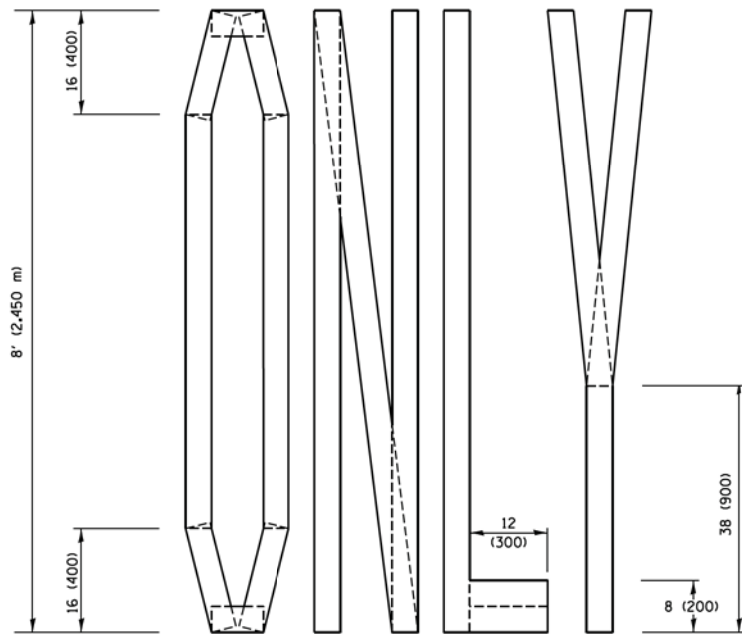
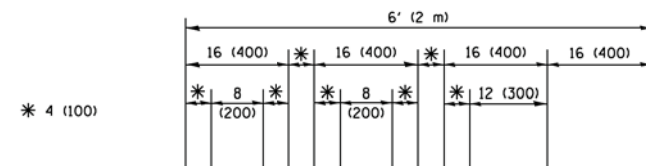
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

| | | | | | | | | | |
|-------------|--|--|--|---------------------|--|--------------|--|---------------------------|--|
| SCALE: NONE | | | | SHEET 1 OF 1 SHEETS | | STA. TO STA. | | ILLINOIS FED. AID PROJECT | |
|-------------|--|--|--|---------------------|--|--------------|--|---------------------------|--|



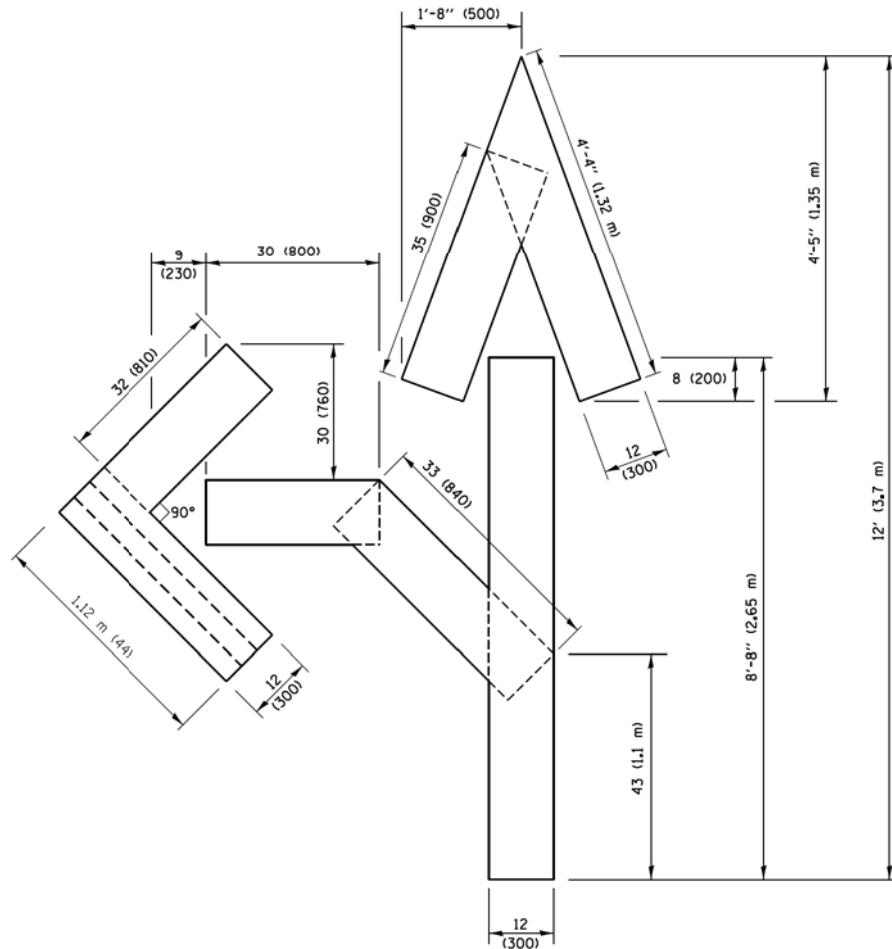
QUANTITY

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)

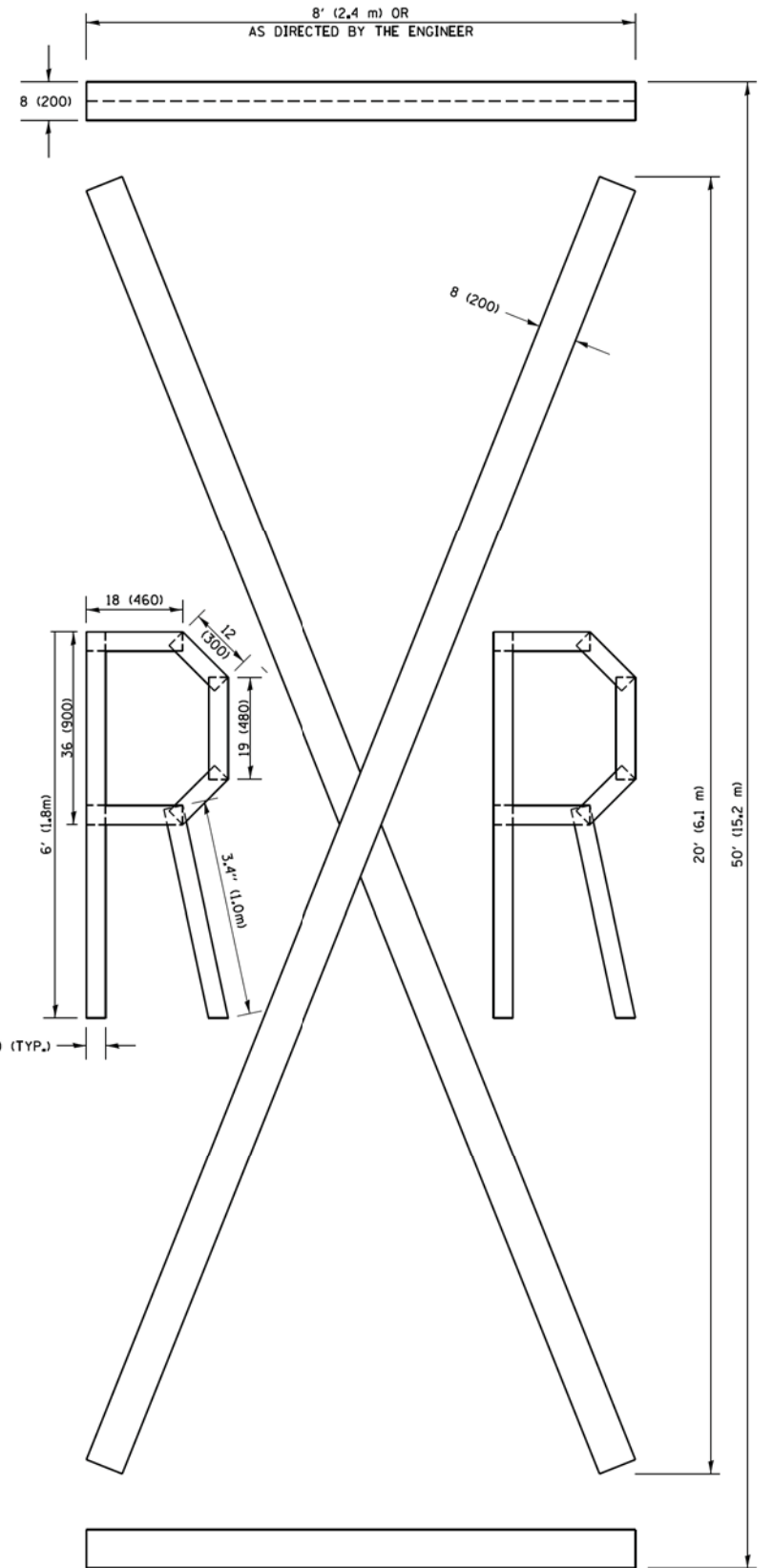


QUANTITY

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.

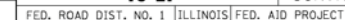


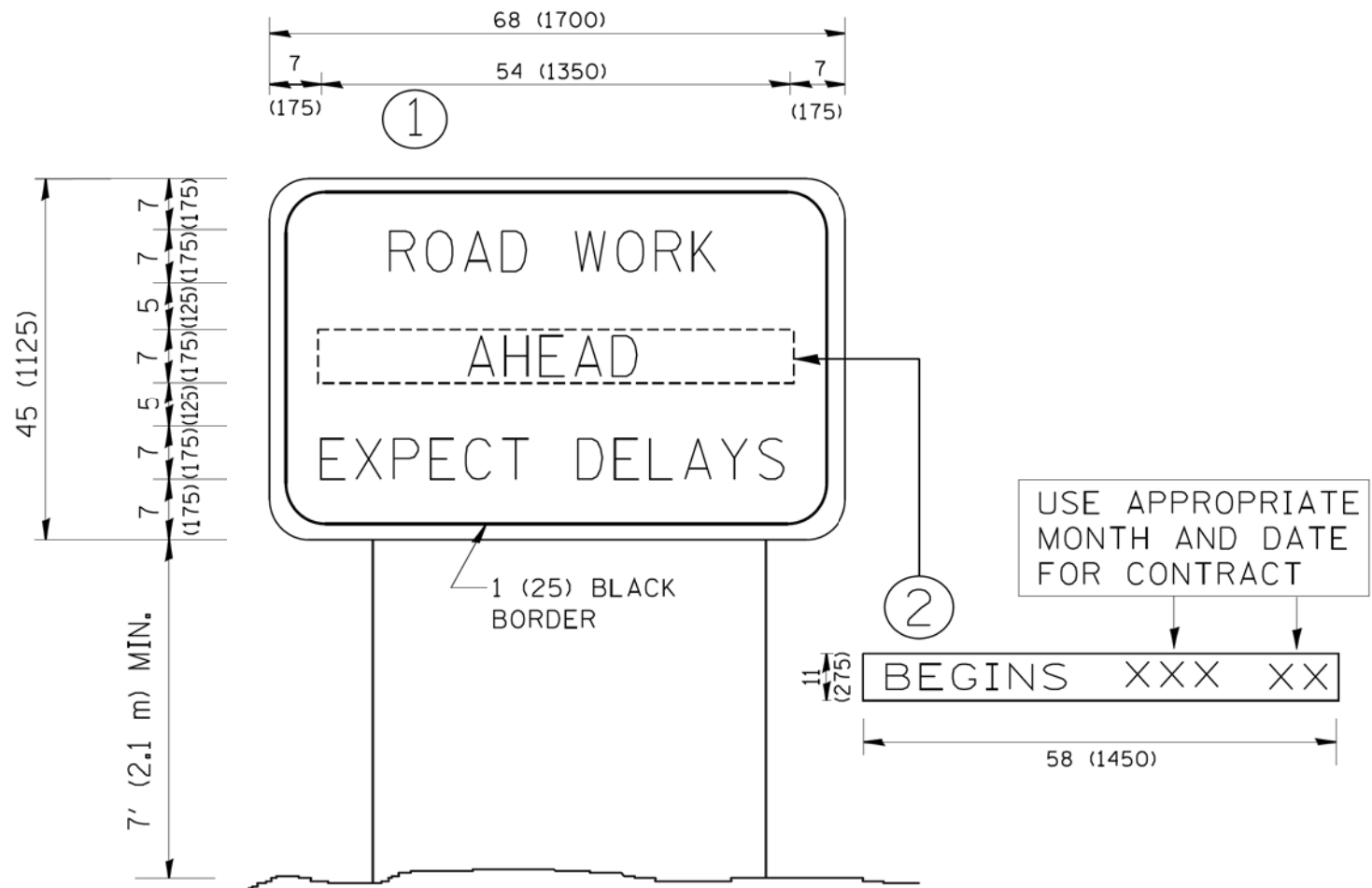
QUANTITY

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.

| | | | | | | | | | | | | | | | |
|---|---------------------|-----------------|--------------------------------|---|---|-------------|------|--------|-------------|---------|--------|-----------------------|-----------|------------------|----|
| FILE NAME = | USER NAME = footenj | DESIGNED - | REVISED -T. RAMMACHER 03-02-98 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS | | | | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | |
| g:\1\1084E81D\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\District 1\CADData\CADsheets\tc16.dgn | | DRAWN | REVISED -E. GOMEZ 08-28-00 | | SCALE: NONE | SHEET NO. 1 | OF 1 | SHEETS | STA. | TO STA. | 2758 | 16-00036-00-RS | LAKE | 38 | 36 |
| | | CHECKED - | REVISED -E. GOMEZ 08-28-00 | | | | | | | | | TC-16 | | | |
| | | DATE - 09-18-94 | REVISED -A. SCHUETZE 09-15-16 | | | | | | | | | FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | |





NOTES:

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

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

| | | | | | | | | | | |
|--|-----------------------------|------------|---------------------------------|---|-----------------------------------|----------------|-------------------------|--------------------|---|--------------|
| FILE NAME = W:\diststd\22x34\tc22.dgn tc22.dgn | USER NAME = gaglienob1 | DESIGNED - | REVISED - R. WIRS 09-15-97 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ARTERIAL ROAD INFORMATION SIGN | F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - | REVISED - R. WIRS 12-11-97 | | | 2758 | 16-00036-00-RS | LAKE | 38 | 38 |
| | PLOT SCALE = 50.000 ' / IN. | CHECKED - | REVISED - T. RAMMACHER 02-02-99 | | | TC-22 | | CONTRACT NO. 61E76 | | |
| | PLOT DATE = 1/4/2008 | DATE - | REVISED - C. JUCIUS 01-31-07 | | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | |