

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------|----------------|--------|--------------|-----------|
| 1102 2556 | 15-00094-00-RS | COOK | 39 | 1 |
| ILLINOIS Contract No. 61C46 | | | | |

04-22-2016 LETTING ITEM 005

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAU ROUTE 1102 (HILLCREST BOULEVARD)
JONES ROAD TO ROSELLE ROAD
FAU ROUTE 2556 (MOON LAKE BOULEVARD)

GOLF ROAD (IL 58) TO HIGGINS ROAD (IL 72)

PAVEMENT RESURFACING

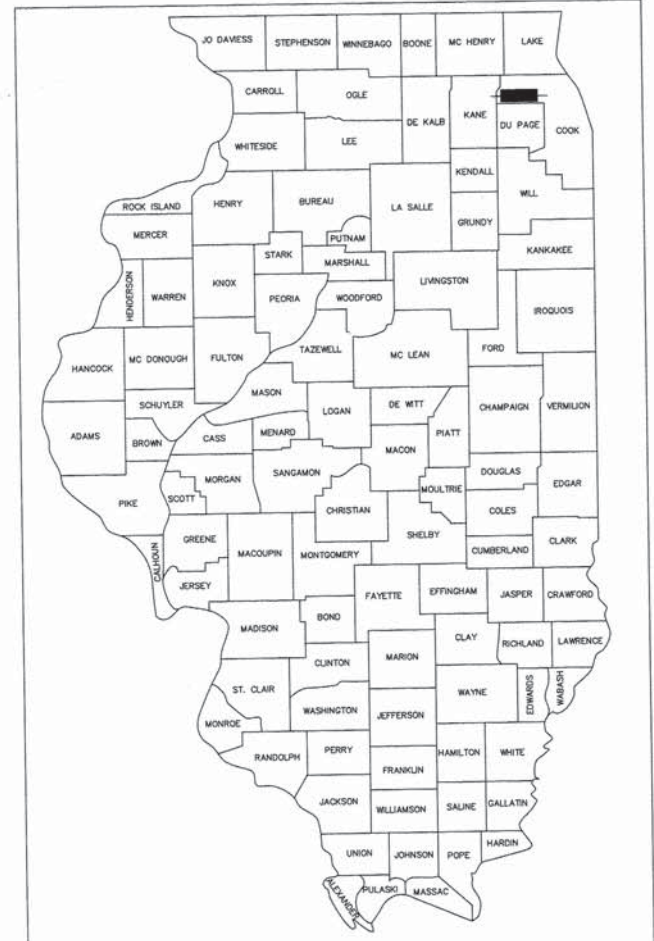
SECTION NO. 15-00094-00-RS

PROJECT NO. M-4003(628)

VILLAGE OF HOFFMAN ESTATES

COOK COUNTY

JOB NO. C-91-146-16



LOCATION OF SECTION INDICATED THUS: - [Symbol]

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

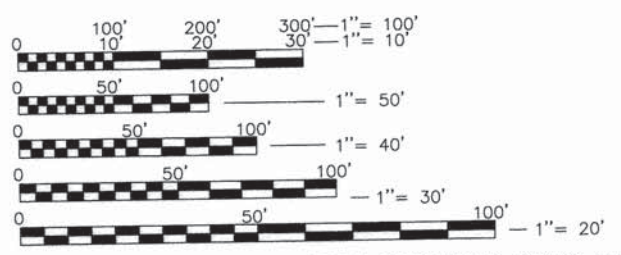
TRAFFIC DATA

ADT:
HILLCREST BOULEVARD 6,000 VPD (2014)
MOON LAKE BOULEVARD 3,000 VPD (2014)

| | SPEED POSTED | DESIGN SPEED |
|---------------------|--------------|--------------|
| HILLCREST BOULEVARD | 25 MPH | 25 MPH |
| MOON LAKE BOULEVARD | 30 MPH | 30 MPH |


DESIGN DESIGNATION

FAU 1102 (HILLCREST BOULEVARD) - MAJOR COLLECTOR
FAU 2556 (MOON LAKE BOULEVARD) - MAJOR COLLECTOR

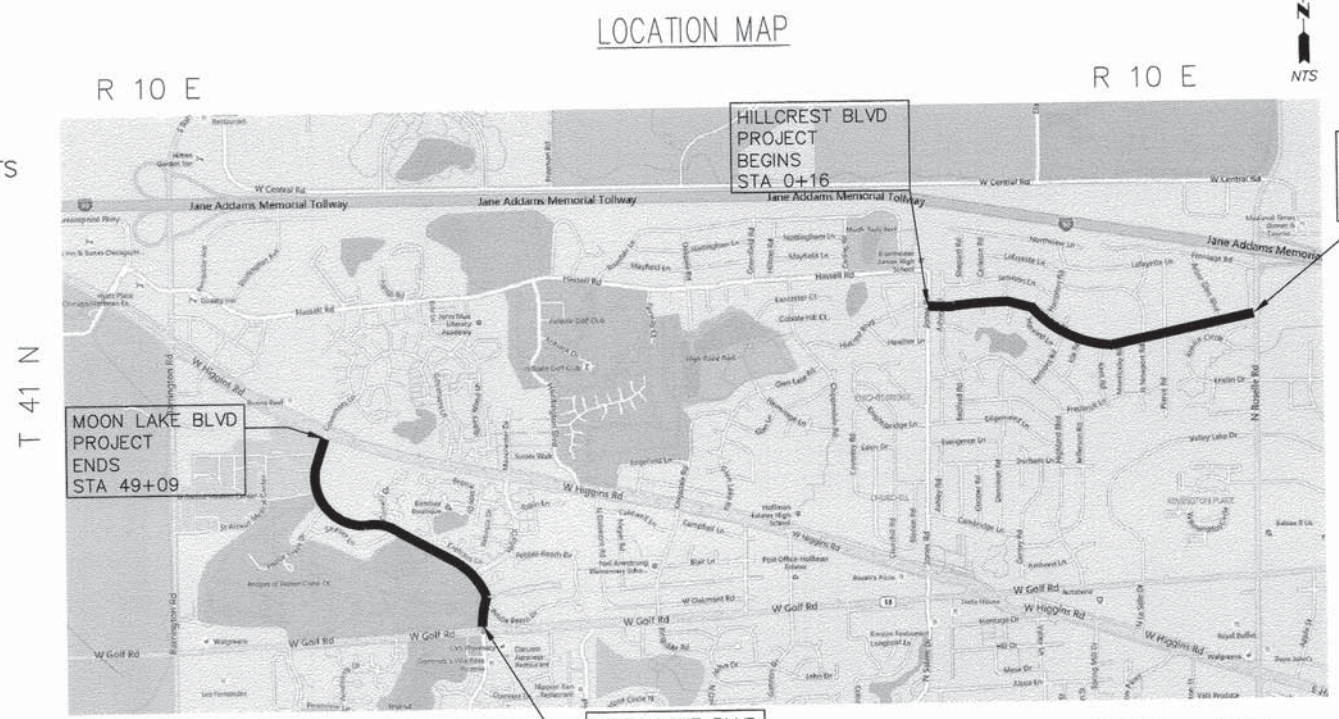


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



ALAN J. WENDERSKI
LIC. NO. 062 - 066932
LIC. EXP. 11-30-17



SCHAUMBURG TOWNSHIP
MOON LAKE BLVD PROJECT BEGINS STA 0+58
HILLCREST BLVD PROJECT BEGINS STA 0+16
HILLCREST BLVD PROJECT ENDS STA 54+21
SCALE: NTS

MOON LAKE BOULEVARD
GROSS LENGTH = 4,851 LIN. FT. (0.92 MILES)
NET LENGTH = 4,851 LIN. FT. (0.92 MILES)


HILLCREST BOULEVARD
GROSS LENGTH = 5,405 LIN. FT. (1.02 MILES)
NET LENGTH = 5,405 LIN. FT. (1.02 MILES)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED January 25, 2016
[Signature]
VILLAGE OF HOFFMAN ESTATES, VILLAGE ENGINEER

PASSED FEB 8, 2016
[Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

Releasing for Bid
Based on Limited Review February 9, 2016
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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

PROJECT ENGINEER: ALAN WENDERSKI

CONTRACT NO. 61C46

INDEX OF SHEETS

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DISTRICT ONE DETAILS

| | |
|-------|--|
| BD-07 | STORM SEWER CONNECTION TO EXISTING SEWER |
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| TS-05 | STANDARD TRAFFIC SIGNAL DESIGN DETAILS (PAGE 2 OF 7) |
| TS-07 | DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING |

STATE STANDARDS (Included by reference only)

| | |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS |
| 424001-08 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424016-02 | MID-BLOCK CURB RAMPS FOR SIDEWALK |
| 424026-01 | ENTRANCE/ALLEY PEDESTRIAN CROSSING |
| 424031-01 | MEDIAN PEDESTRIAN CROSSING |
| 602001-02 | CATCH BASIN TYPE A |
| 602011-02 | CATCH BASIN TYPE C |
| 602301-04 | INLET - TYPE A |
| 602401-03 | MANHOLE TYPE A |
| 602601-04 | PRECAST REINFORCED CONCRETE FLAT SLAB TOP |
| 602701-02 | MANHOLE STEPS |
| 604001-04 | FRAME AND LIDS TYPE 1 |
| 604006-05 | FRAME AND GRATE TYPE 3 |
| 604036-03 | GRATE TYPE 8 |
| 701001-02 | OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701701-10 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-06 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-05 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-04 | SIGN PANEL ERECTION DETAILS |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS & DELINEATORS |
| 729001-01 | APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS) |
| 780001-05 | TYPICAL PAVEMENT MARKINGS |
| 782001-01 | PRISMATIC CURB REFLECTORS |
| 886001-01 | DETECTOR LOOP INSTALLATIONS |

GENERAL NOTES

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, APRIL 1, 2016. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES WHICH ARE NOT SPECIFICALLY INDICATED IN THE PLANS SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- THE ENGINEER SHALL NOT ASSUME ANY OF THE RESPONSIBILITIES OF THE CONTRACTOR'S SUPERINTENDENT OR OF SUBCONTRACTORS. ADDITIONALLY, THE ENGINEER SHALL NOT ADVISE ON, OR ISSUE DIRECTIONS CONCERNING ASPECTS OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OF PROCEDURES, OR SAFETY PRECAUTIONS AND/OR PROGRAMS IN CONNECTION WITH THE WORK.
- THE LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER AT ONCE. THE CONTRACTOR SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY UTILITIES WHICH MAY BE AFFECTED BY THE WORK, INCLUDING MAKING ARRANGEMENTS FOR THE PROPER BRACING, AND OTHER REQUIRED PROTECTION, AS REQUIRED. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- FOR UNDERGROUND UTILITY LOCATIONS, CALL 48 HOURS BEFORE DIGGING, (EXCLUDING SATURDAY, SUNDAY & HOLIDAYS) J.U.L.I.E. 1-800-692-0123 OR 811.
- THE ENGINEER AND/OR ITS REPRESENTATIVE WILL BE PROVIDING CONSTRUCTION LAYOUT AND STAKING OF THE PROPOSED IMPROVEMENTS. IF CONTRACTOR'S OPERATIONS DAMAGE THE LAYOUT, THE VILLAGE MAY CHARGE A FEE, TO THE CONTRACTOR, TO COVER THE ADDITIONAL COSTS INCURRED BY THE VILLAGE FOR LAYOUT.
- THE CONTRACTOR SHALL KEEP THE AREA OF CONSTRUCTION FREE OF DEBRIS AND OBJECTIONABLE MATERIALS DURING CONSTRUCTION OR THE VILLAGE RESERVES THE RIGHT TO REMOVE AND BACK CHARGE THE CONTRACTOR.
- THE CONTRACTOR SHALL MAINTAIN ALL DRAINAGE FACILITIES DURING CONSTRUCTION AND SHALL REPAIR ANY DRAINAGE FACILITIES DAMAGED DURING CONSTRUCTION. COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF APPLICABLE PAY ITEMS
- ALL SIDEWALKS WITHIN THE PROJECT LIMITS THAT ARE ADJACENT TO THE CURB SHALL BE REMOVED AND RECONSTRUCTED ACCORDING TO PLAN DETAILS AND STANDARDS. CATALOG CUTS OF DETECTABLE WARNINGS MUST BE APPROVED BY THE VILLAGE BEFORE INSTALLATION.
- THE CONTRACTOR SHALL PROTECT ALL SIDEWALKS AND CURB & GUTTER FROM DAMAGE AND VANDALISM.
- THE CONTRACTOR SHALL VERIFY THE ELEVATION AND LOCATION OF EXISTING SEWERS PRIOR TO THE START OF CONSTRUCTION OF NEW SEWERS.
- SAW CUTTING SHALL BE PERFORMED AT LOCATIONS DESIGNATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER, AND SHALL BE CONSIDERED INCLUDED IN THE COST OF APPLICABLE PAY ITEMS. CLEANING AND REMOVAL OF ANY AND ALL SAW CUT DEBRIS SHALL ALSO BE INCLUDED.
- WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, DITCHES, GUTTERS, ETC. SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF INLET FILTERS.
- ALL CURB SHALL BE DEPRESSED AT DRIVEWAYS.
- CONCRETE CURING MATERIALS SHALL BE APPLIED TO ALL NEW CONCRETE GUTTER FLAGS, FACES, AND TOPS OF CURBS, SIDEWALKS, AND DRIVEWAY PAVEMENTS IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1022 OF THE STANDARD SPECIFICATIONS. THE PROTECTIVE COAT SHALL BE A CLEAR CURING COMPOUND OF SIMILAR SPECIFICATIONS TO W.R. MEADOWS SEALTIGHT 1130 CLEAR OR DAYTON SUPERIOR DAY-CHEM REZ CURE (J-11-W). THE CONTRACTOR SHALL ABIDE BY MANUFACTURER SPECIFICATIONS IN THE PREPARATION AND APPLICATION OF THE MEMBRANE CURING COMPOUND. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE APPLICABLE PAY ITEMS.
- PAVEMENT SHALL BE SAWCUT 6" FROM THE EDGE OF THE CURB AT ALL LOCATIONS WITH CURB AND GUTTER REMOVAL. THIS AREA SHALL BE FRONT-FILLED WITH CLASS SI CONCRETE. COST OF THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF APPLICABLE PAY ITEMS.
- INLET FILTERS SHALL BE PLACED IN ALL DRAINAGE STRUCTURES WITHIN AND/OR ADJACENT TO PROJECT LIMITS BEFORE THE START OF ANY WORK AT THAT LOCATION. INLET FILTERS SHALL REMAIN IN PLACE AND BE KEPT FREE FROM DEBRIS TO THE SATISFACTION OF THE ENGINEER UNTIL FINAL RESTORATION IS COMPLETE. THIS WORK SHALL BE PAID FOR AS INLET FILTERS
- ALL REMOVED CASTINGS SHALL BE DELIVERED TO THE VILLAGE YARD BY THE CONTRACTOR.
- CONTRACTOR MAY OBTAIN A VILLAGE WATER METER FOR FREE WATER USAGE ON THIS JOB. THE WATER METER CAN BE OBTAINED BY VILLAGE PUBLIC WORKS DEPARTMENT FOR A \$750 FEE DEPOSIT.
- TEMPORARY HMA RAMPS SHALL BE PROVIDED AND MAINTAINED IN THE ROADWAY AT ALL SIDEWALK RAMP LOCATIONS UPON COMPLETION OF SIDEWALK WORK, PRIOR TO COMPLETION OF PAVEMENT SURFACE COURSE. THE REMOVAL AND MAINTENANCE OF THE RAMPS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TEMPORARY RAMP.

GENERAL NOTES (CONT'D)

- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT THEM TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARDS SPECIFICATIONS, AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR SHALL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- ONLY PRECAST CONCRETE ADJUSTING RINGS, MAXIMUM OF 2 RINGS 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET, AND VALVE VAULT STRUCTURES. COMMON BRICKS WILL NOT BE ALLOWED. THE RINGS SHALL BE INCLUDED IN THE COST OF WORK BEING PERFORMED.
- CURB & GUTTER, SIDEWALK, AND DRIVEWAY WORK SHALL BE STAGED TO ALLOW FULL TIME ACCESS TO ALL SCHOOLS AND BUSINESSES. LOSS OF SIDEWALK AND DRIVEWAY ACCESS SHALL BE LIMITED TO ONE SIDE OF THE STREET AT A TIME.
- RESIDENTIAL DRIVEWAY ACCESS SHALL BE RESTORED WITHIN 2 WEEKS OF LOSS OF ACCESS.
- THE CONTRACTOR SHALL PLACE UP TO FOUR (4) CHANGEABLE MESSAGE SIGNS ON THE PROJECT. THE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION SHALL BE IN PLACE ONE WEEK PRIOR TO START OF CONSTRUCTION ACTIVITY. THE SIGNS SHALL ALSO BE IN PLACE PRIOR TO ANY PAVING ACTIVITY. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGN".
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ONGOING CONSTRUCTION ON ROSELLE ROAD. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

LEGEND

| | | |
|----------|-----------------------------------|-------------------------|
| EXISTING | PROPOSED | |
| | | SANITARY MANHOLE |
| | | STORM MANHOLE |
| | | CATCH BASIN |
| | | STORM INLET |
| | | VALVE & VAULT |
| | | FIRE HYDRANT |
| | | STREET LIGHT |
| | | STREET SIGN |
| | | STORM SEWER |
| | | SANITARY SEWER |
| | | WATER MAIN |
| | | RIGHT-OF-WAY |
| | | CURB & GUTTER |
| | | SIDEWALK |
| | | DRIVEWAY |
| | | POWER POLE |
| | | DETECTABLE WARNINGS |
| | | STREET LIGHT CABLE |
| | | NICOR GAS VALVE |
| | | AT&T HANDHOLE |
| | | AT&T BURIED UTILITY |
| | | COMCAST BURIED UTILITY |
| | | COMED BURIED UTILITY |
| | | NICOR BURIED UTILITY |
| | | OVERHEAD UTILITY |
| RCN | STRUCTURES TO BE RECONSTRUCTED | |
| ADJ | STRUCTURES TO BE ADJUSTED | TREES TO BE ROOT PRUNED |
| G | NEW GRATE | TREE |
| F&G | NEW FRAME AND GRATE | |
| F&L | NEW FRAME AND LID | REMOVAL OF SIDEWALK |
| C | EXISTING CONCRETE APRON | RESURFACING AREA |
| C/A | EXISTING CONCRETE & ASPHALT APRON | HMA BUTT JOINT |
| A | EXISTING ASPHALT APRON | |

| | | |
|-----------|---------|------|
| PLAN | REVISED | DATE |
| NOTE BOOK | ALIGNED | DATE |
| NO. | CHECKED | DATE |
| | BY | DATE |

| | | |
|-----------|---------|------|
| PROFILE | REVISED | DATE |
| NOTE BOOK | ALIGNED | DATE |
| NO. | CHECKED | DATE |
| | BY | DATE |



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Hillcrest Boulevard-Moon Lake Boulevard
Index of Sheets, General Notes, and Legend

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

| | | | | |
|---------------------------|------------------------|-------------|--------------------------------|--------------|
| F.A.U. RTE. 1105 2550 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 2 | SHEET NO. 39 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61C46 M-4003(629) | |

SUMMARY OF QUANTITIES

| PAY ITEM # | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY | HILLCREST BOULEVARD | | MOON LAKE BOULEVARD | |
|------------|--|-------|----------------|------------------------|------|------------------------|------|
| | | | | CONSTRUCTION TYPE CODE | | CONSTRUCTION TYPE CODE | |
| | | | | 0005 | 0042 | 0005 | 0042 |
| 20101200 | TREE ROOT PRUNING | EACH | 115 | 106 | | 9 | |
| 20200100 | EARTH EXCAVATION | CU YD | 12 | | | 12 | |
| 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 309 | 245 | | 64 | |
| 20400800 | FURNISHED EXCAVATION | CU YD | 22 | 22 | | | |
| 20800150 | TRENCH BACKFILL | CU YD | 35 | 35 | | | |
| 21101600 | TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH | SQ YD | 11,138 | 8,837 | | 2,301 | |
| 25000100 | SEEDING, CLASS 1 | ACRE | 0.5 | | | 0.5 | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 153 | 110 | | 43 | |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 153 | 110 | | 43 | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 153 | 110 | | 43 | |
| 25100630 | EROSION CONTROL BLANKET | SQ YD | 2,301 | | | 2,301 | |
| 25200100 | SODDING | SQ YD | 8,837 | 8,837 | | | |
| 25200200 | SUPPLEMENTAL WATERING | UNIT | 27 | 27 | | | |
| 28000510 | INLET FILTERS | EACH | 93 | 57 | | 36 | |
| 31101400 | SUBBASE GRANULAR MATERIAL, TYPE B 6" | SQ YD | 18 | | | 18 | |
| 35501316 | HOT-MIX ASPHALT BASE COURSE, 8" | SQ YD | 18 | | | 18 | |
| 40201000 | AGGREGATE FOR TEMPORARY ACCESS | TON | 165 | 50 | | 115 | |
| 40600290 | BITUMINOUS MATERIALS (TACK COAT) | POUND | 29,359 | 15,094 | | 14,265 | |
| 40600625 | LEVELING BINDER (MACHINE METHOD), N50 | TON | 1,890 | 972 | | 918 | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 386 | 213 | | 173 | |
| 40600990 | TEMPORARY RAMP | SQ YD | 624 | 374 | | 250 | |
| 40603335 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 | TON | 3,779 | 1,943 | | 1,836 | |
| 42400800 | DETECTABLE WARNINGS | SQ FT | 1,156 | 806 | | 350 | |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 80 | 80 | | | |
| 44000157 | HOT-MIX ASPHALT SURFACE REMOVAL, 2" | SQ YD | 44,994 | 23,132 | | 21,862 | |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 1,510 | 1,081 | | 429 | |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 4,513 | 3,072 | | 1,441 | |
| 44000600 | SIDEWALK REMOVAL | SQ FT | 62,299 | 40,234 | | 22,065 | |
| 44201737 | CLASS D PATCHES, TYPE I, 8 INCH | SQ YD | 50 | 25 | | 25 | |

* = SPECIALTY ITEM

| PAY ITEM # | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY | HILLCREST BOULEVARD | | MOON LAKE BOULEVARD | |
|------------|--|--------|----------------|------------------------|------|------------------------|------|
| | | | | CONSTRUCTION TYPE CODE | | CONSTRUCTION TYPE CODE | |
| | | | | 0005 | 0042 | 0005 | 0042 |
| 44201741 | CLASS D PATCHES, TYPE II, 8 INCH | SQ YD | 140 | 100 | | 40 | |
| 44201745 | CLASS D PATCHES, TYPE III, 8 INCH | SQ YD | 140 | 45 | | 95 | |
| 44201747 | CLASS D PATCHES, TYPE IV, 8 INCH | SQ YD | 225 | 150 | | 75 | |
| 54248510 | CONCRETE COLLAR | CU YD | 1 | 1 | | | |
| 550A2320 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" | FOOT | 5 | 5 | | | |
| 550A2520 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12" | FOOT | 34 | 34 | | | |
| 550A2530 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15" | FOOT | 33 | 33 | | | |
| 55100400 | STORM SEWER REMOVAL 10" | FOOT | 43 | 43 | | | |
| 55100500 | STORM SEWER REMOVAL 12" | FOOT | 8 | 8 | | | |
| 55100700 | STORM SEWER REMOVAL 15" | FOOT | 35 | 35 | | | |
| 60202405 | CATCH BASINS, TYPE A, 4'-DIAMETER | EACH | 5 | 5 | | | |
| 60207605 | CATCH BASINS, TYPE C, TYPE 8 GRATE | EACH | 1 | 1 | | | |
| 60238800 | INLETS, TYPE A | EACH | 2 | 2 | | | |
| 60255500 | MANHOLES TO BE ADJUSTED | EACH | 85 | 44 | | 41 | |
| 60257900 | MANHOLES TO BE RECONSTRUCTED | EACH | 2 | 2 | | | |
| 60404300 | FRAMES AND GRATES, TYPE 3 | EACH | 17 | 14 | | 3 | |
| 60406000 | FRAMES AND LIDS, TYPE 1, OPEN LID | EACH | 3 | 1 | | 2 | |
| 60406100 | FRAMES AND LIDS, TYPE 1, CLOSED LID | EACH | 1 | 1 | | | |
| 60500040 | REMOVING MANHOLES | EACH | 1 | 1 | | | |
| 60500060 | REMOVING INLETS | EACH | 5 | 5 | | | |
| 67100100 | MOBILIZATION | LSUM | 1 | 0.5 | | 0.5 | |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | LSUM | 1 | 0.5 | | 0.5 | |
| 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | LSUM | 1 | 0.5 | | 0.5 | |
| 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | LSUM | 1 | 0.5 | | 0.5 | |
| * 70106800 | CHANGEABLE MESSAGE SIGN | CAL MO | 8 | 4 | | 4 | |
| * 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 3,980 | 2,280 | | 1,700 | |
| * 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL | SQ FT | 1,327 | 760 | | 567 | |
| * 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 171 | 4 | | 167 | |
| * 72400100 | REMOVE SIGN PANEL ASSEMBLY - TYPE A | EACH | 12 | 3 | | 9 | |

* = SPECIALTY ITEM

PLAN SURVEYED
NOTED
NOT CHECKED
NOTE BOOK NO. _____
DATE _____
BY _____
STRUCTURE NOTATIONS CHG

PROFILE SURVEYED
NOTED
NOT CHECKED
NOTE BOOK NO. _____
DATE _____
BY _____
STRUCTURE NOTATIONS CHG



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Hillcrest Boulevard - Moon Lake Boulevard
Summary of Quantities
SCALE: NTS SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. 1105 2656
SECTION 15-00094-00-RS
COUNTY COOK
TOTAL SHEETS 3
SHEET NO. 39
CONTRACT NO. 61C46
ILLINOIS FED. AID PROJECT M-4003(629)

SUMMARY OF QUANTITIES

| PAY ITEM # | ITEM DESCRIPTION | UNIT | TOTAL QUANTITY | HILLCREST BOULEVARD | | MOON LAKE BOULEVARD | |
|------------|--|-------|----------------|------------------------|------|------------------------|------|
| | | | | CONSTRUCTION TYPE CODE | | CONSTRUCTION TYPE CODE | |
| | | | | 0005 | 0042 | 0005 | 0042 |
| 72400500 | RELOCATE SIGN PANEL ASSEMBLY - TYPE A | EACH | 3 | 3 | | | |
| 72900100 | METAL POST - TYPE A | FOOT | 231 | | | 231 | |
| * 78006100 | PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 621 | | | 621 | |
| * 78009000 | MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS | SQ FT | 970 | 210 | | 760 | |
| * 78009004 | MODIFIED URETHANE PAVEMENT MARKING - LINE 4" | FOOT | 18,332 | 15,671 | | 2,661 | |
| * 78009006 | MODIFIED URETHANE PAVEMENT MARKING - LINE 6" | FOOT | 11,627 | 3,016 | | 8,611 | |
| * 78009012 | MODIFIED URETHANE PAVEMENT MARKING - LINE 12" | FOOT | 743 | 360 | | 383 | |
| * 78009024 | MODIFIED URETHANE PAVEMENT MARKING - LINE 24" | FOOT | 678 | 281 | | 397 | |
| * 78200020 | CURB REFLECTORS | EACH | 16 | 16 | | | |
| * 78300100 | PAVEMENT MARKING REMOVAL | SQ FT | 160 | | | 160 | |
| * 88600600 | DETECTOR LOOP REPLACEMENT | FOOT | 609 | | | 609 | |
| Z0004510 | HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3" | SQ YD | 90 | 90 | | | |
| Z0004518 | HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 5" | SQ YD | 133 | 110 | | 23 | |
| Z0056606 | STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH | FOOT | 22 | 22 | | | |
| Z0056610 | STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH | FOOT | 15 | 15 | | | |
| Z0076600 | TRAINEES | HOUR | 500 | | 250 | | 250 |
| Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | HOUR | 500 | | 250 | | 250 |
| X4230710 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, SPECIAL | SQ YD | 791 | 791 | | | |
| X4230800 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL | SQ YD | 406 | | | 406 | |
| X4240430 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL | SQ FT | 71,631 | 49,346 | | 22,285 | |
| X6064200 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL) | FOOT | 4,533 | 3,092 | | 1,441 | |

* = SPECIALTY ITEM

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NOTE BOOK NO. _____
DATE _____
BY _____
STRUCTURE NOTARY'S CHPO

PROFILE SURVEYED
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CHECKED
NOTE BOOK NO. _____
DATE _____
BY _____
STRUCTURE NOTARY'S CHPO



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

DESIGNED -
DRAWN -
CHECKED -
DATE -

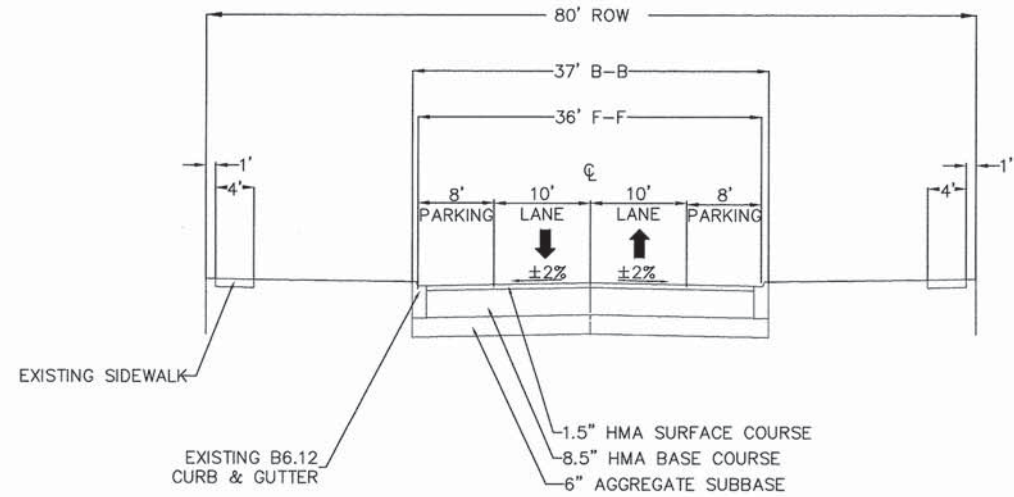
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

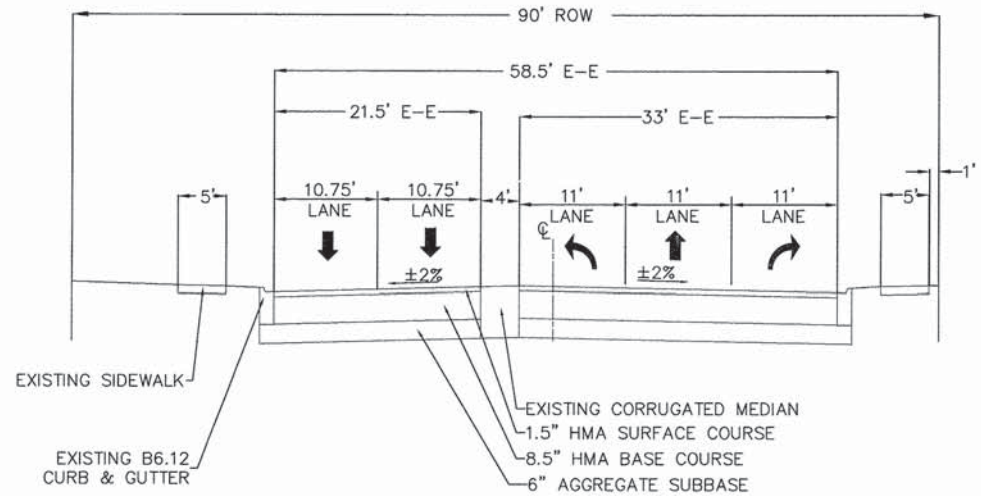
Hillcrest Boulevard - Moon Lake Boulevard
Summary of Quantities
SCALE: NTS SHEET NO. 2 OF 2 SHEETS STA. TO STA.

| | | | | |
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| F.A.U. RTE. 1105 2856 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 4 | SHEET NO. 39 |
| CONTRACT NO. 61C46 | | | ILLINOIS FED. AID PROJECT M-4003(629) | |

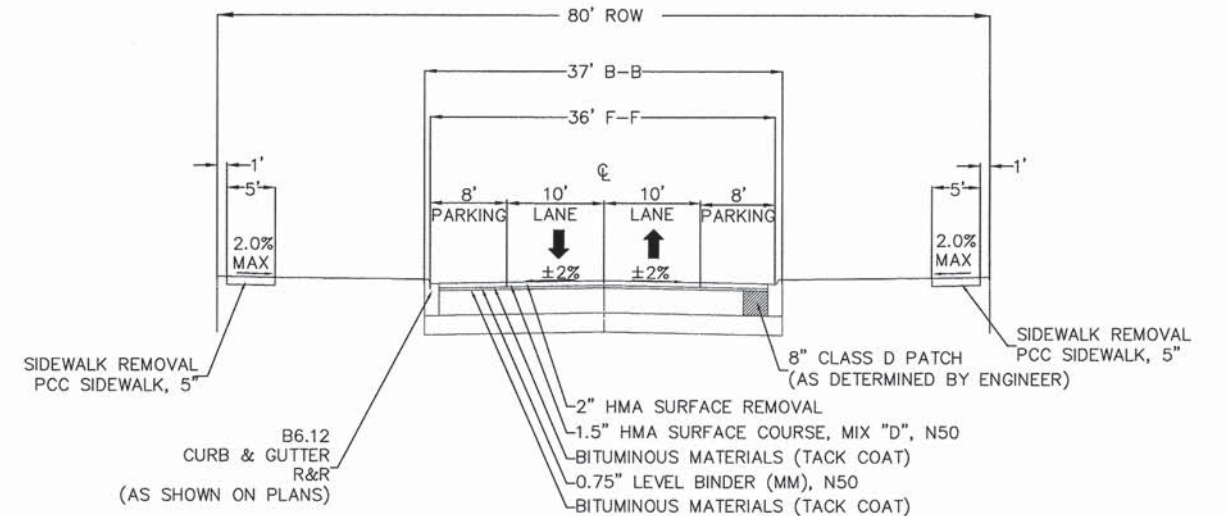
PLAN
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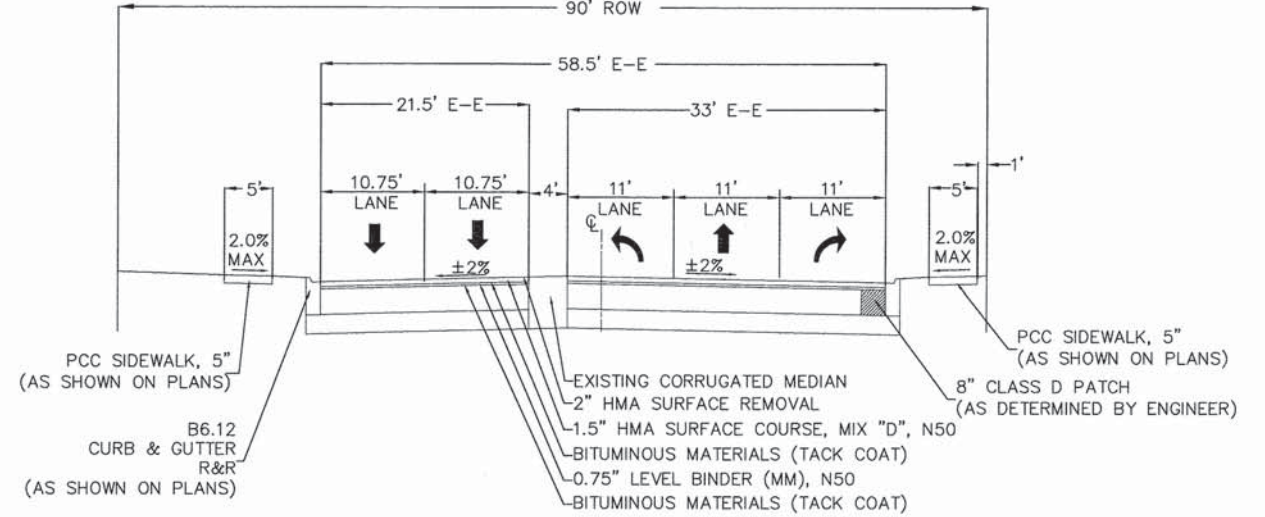
EXISTING - HILLCREST BOULEVARD
STA 0+43 - STA 46+62



EXISTING - HILLCREST BOULEVARD
STA 46+62 - STA 54+21



PROPOSED - HILLCREST BOULEVARD
STA 0+43 - STA 46+62



PROPOSED - HILLCREST BOULEVARD
STA 46+62 - STA 54+21

| HOT-MIX ASPHALT MIXTURE REQUIREMENT | |
|--|------------------|
| MIXTURE TYPE | AIR VOIDS @ Ndes |
| PAVEMENT RESURFACING | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm); 1.5" | 4% @ 50 GYR |
| LEVELING BINDER (MACHINE METHOD), N50 (IL-9.5 mm); 0.75" | 4% @ 50 GYR |
| HMA BASE COURSE (HMA BINDER, IL-19.0 mm); 8 INCH (2 LIFTS) | 4% @ 70 GYR |
| DRIVEWAYS | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm); 3" | 4% @ 50 GYR |
| PATCHING | |
| CLASS D PATCHES (HMA BINDER, IL-19.0 mm); 8 INCH (2 LIFTS) | 4% @ 70 GYR |

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON POLYMERIZED HMA SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

NOTE: FINISHED PAVEMENT SHALL BE 1/4" ABOVE EDGE OF GUTTER
 GUTTER FLAG TO MATCH PAVEMENT THICKNESS



VILLAGE OF
 HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

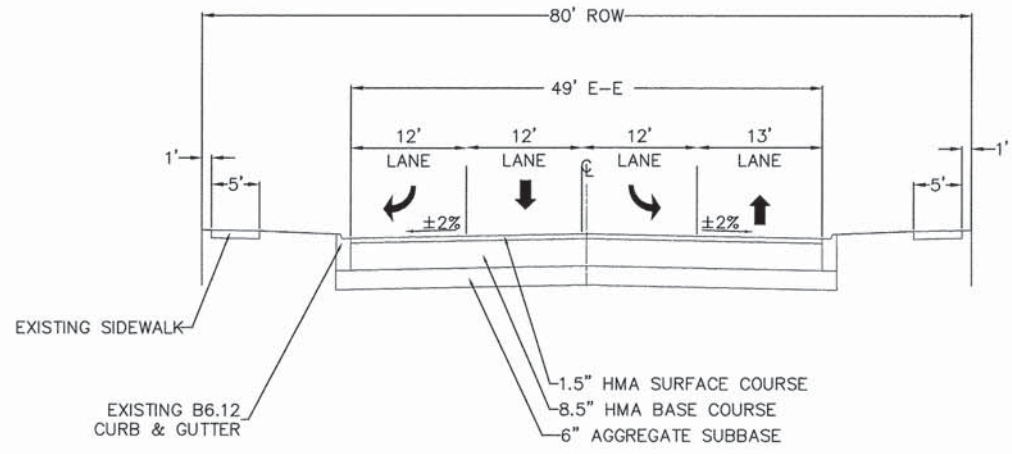
Hillcrest Boulevard-Moon Lake Boulevard
 Typical Section - Hillcrest Boulevard

SHEET NO. 1 OF 2 SHEETS

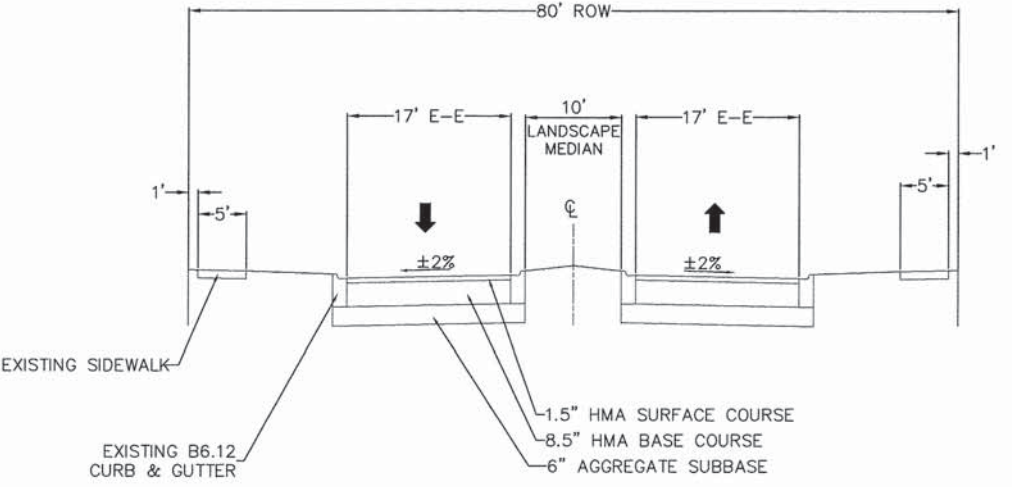
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| F.A.U. RTE. 1105 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 5 | SHEET NO. 39 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61C46 M-4003(629) | |

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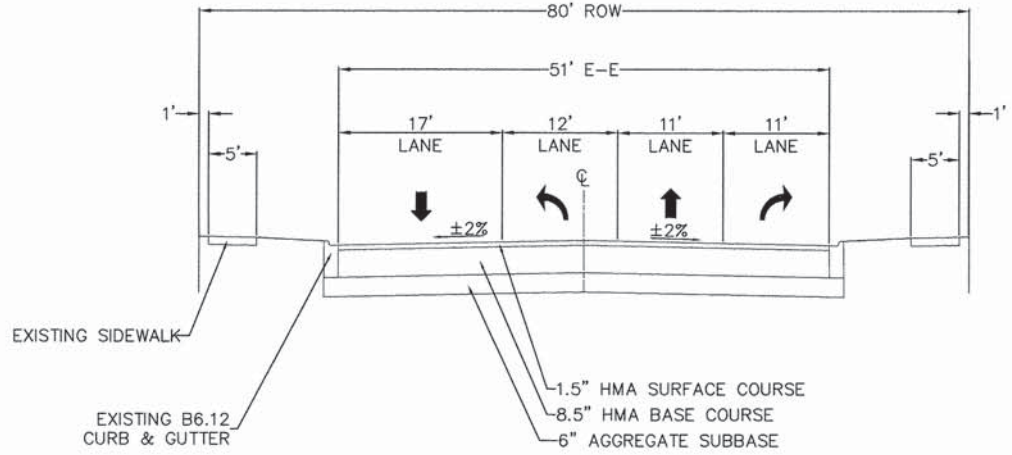
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| PROFILE | DATE |
| REVISED | BY |
| NOTED | DATE |
| GRADES CHECKED | DATE |
| ALIGNMENT CHECKED | DATE |
| RT OF WAY CHECKED | DATE |
| NO. | NO. |



EXISTING - MOON LAKE BOULEVARD
STA 1+57 - STA 4+86

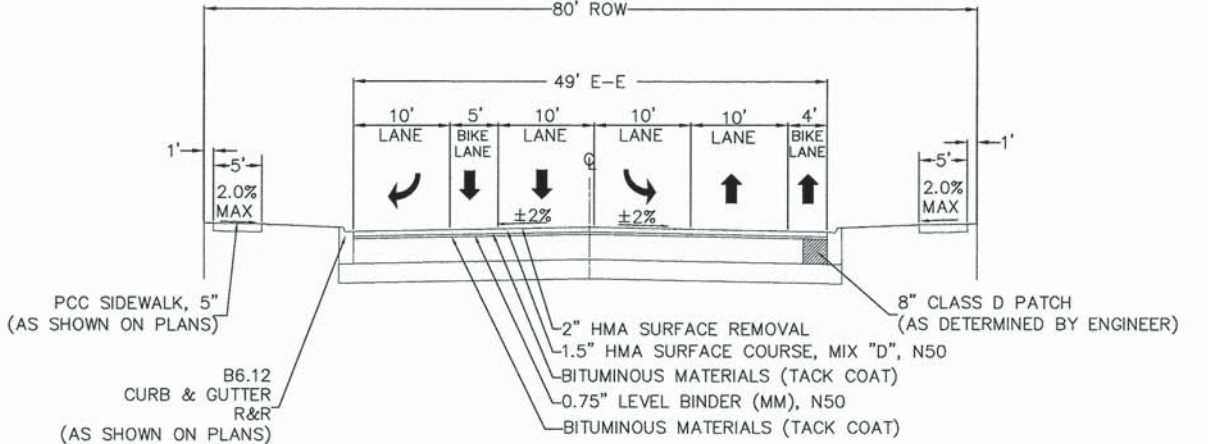


EXISTING - MOON LAKE BOULEVARD
STA 4+86 - STA 43+31

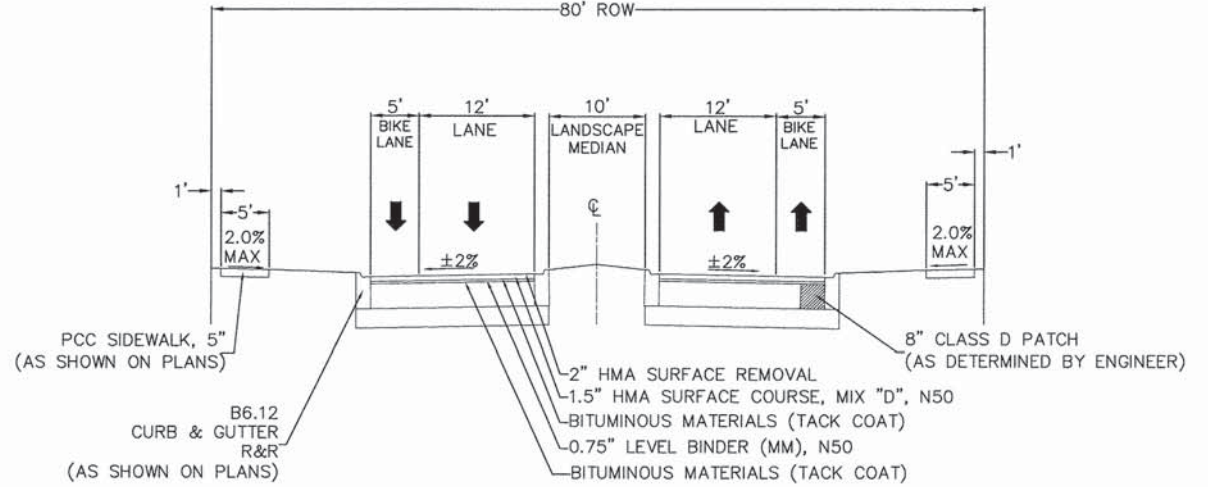


EXISTING - MOON LAKE BOULEVARD
STA 43+31 - STA 48+82

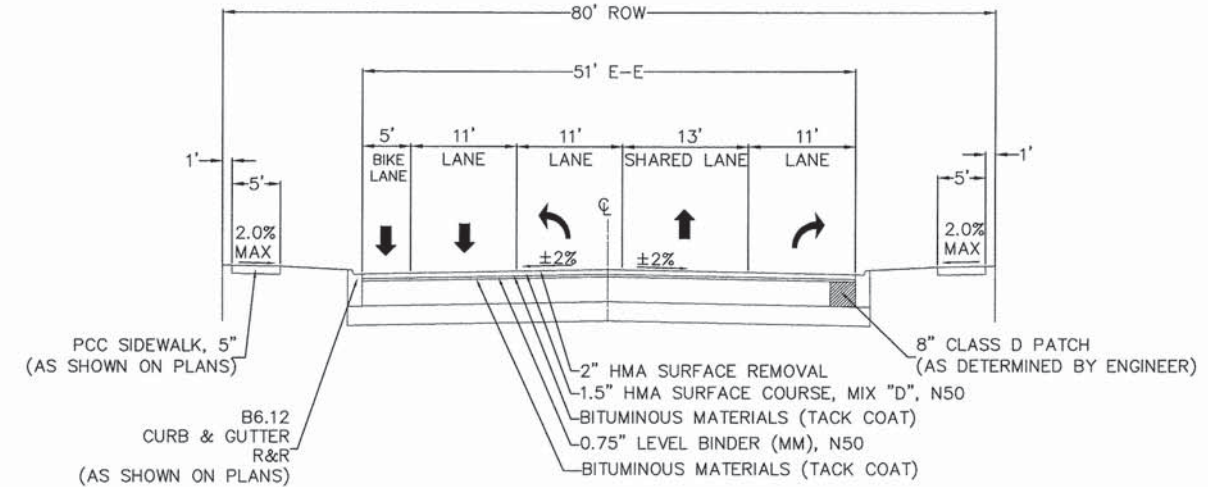
NOTE: SEE PREVIOUS PAGE FOR HMA MIXTURE CHART
FINISHED PAVEMENT SHALL BE 1/4\"/>



PROPOSED - MOON LAKE BOULEVARD
STA 1+57 - STA 4+86



PROPOSED - MOON LAKE BOULEVARD
STA 4+86 - STA 43+31



PROPOSED - MOON LAKE BOULEVARD
STA 43+31 - STA 48+82



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

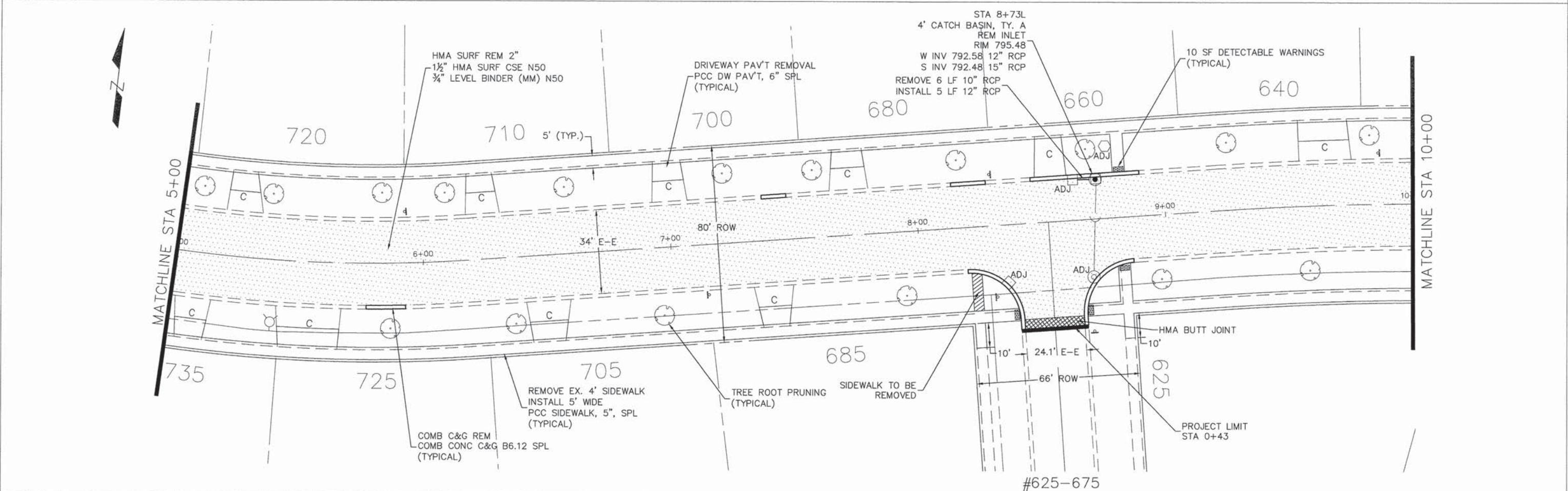
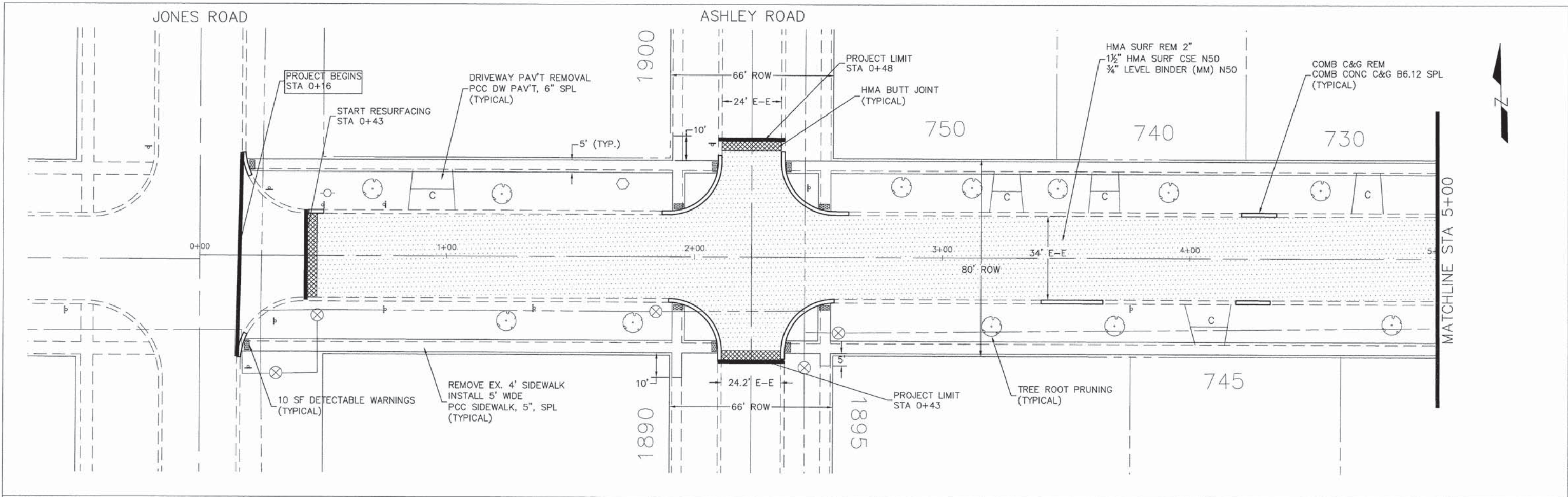
Hillcrest Boulevard-Moon Lake Boulevard
Typical Section - Moon Lake Boulevard

SHEET NO. 2 OF 2 SHEETS

| | | | | |
|-----------------------|------------------------|-------------|---------------------------------------|--------------|
| F.A.U. RTE. 1100 2550 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 6 | SHEET NO. 39 |
| | | | CONTRACT NO. 61C46 | |
| | | | ILLINOIS FED. AID PROJECT M-4003(629) | |

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VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

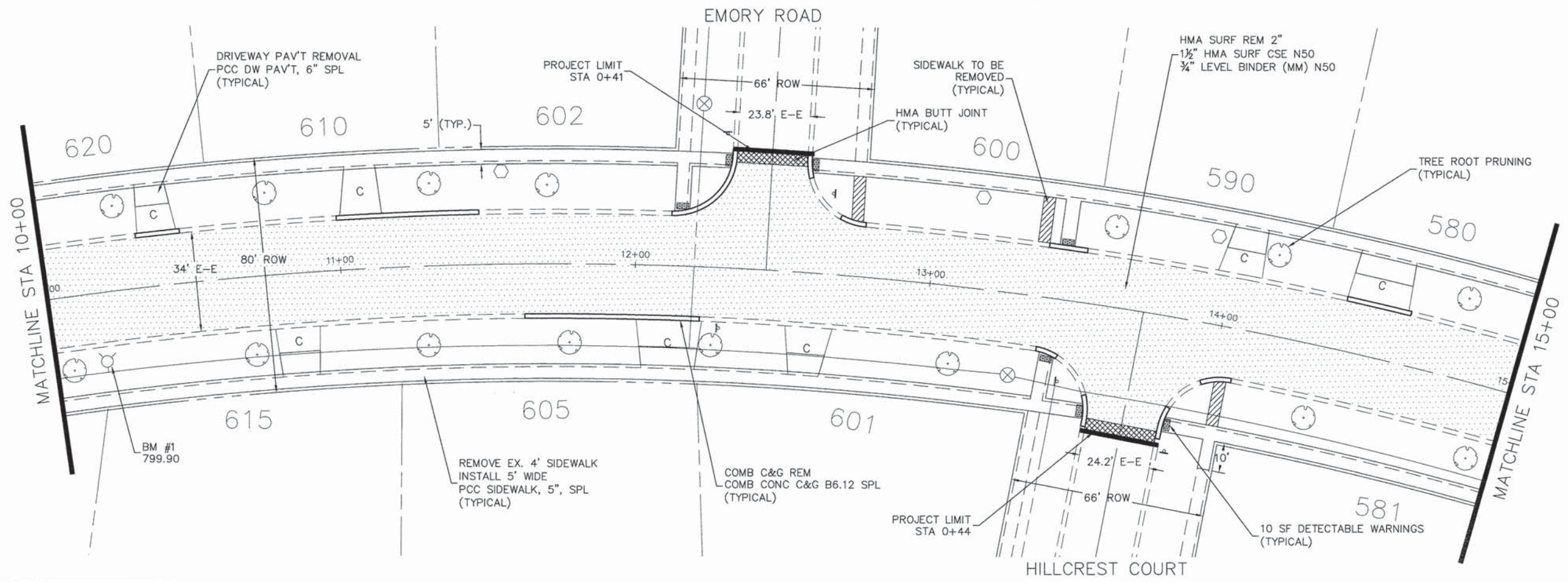
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

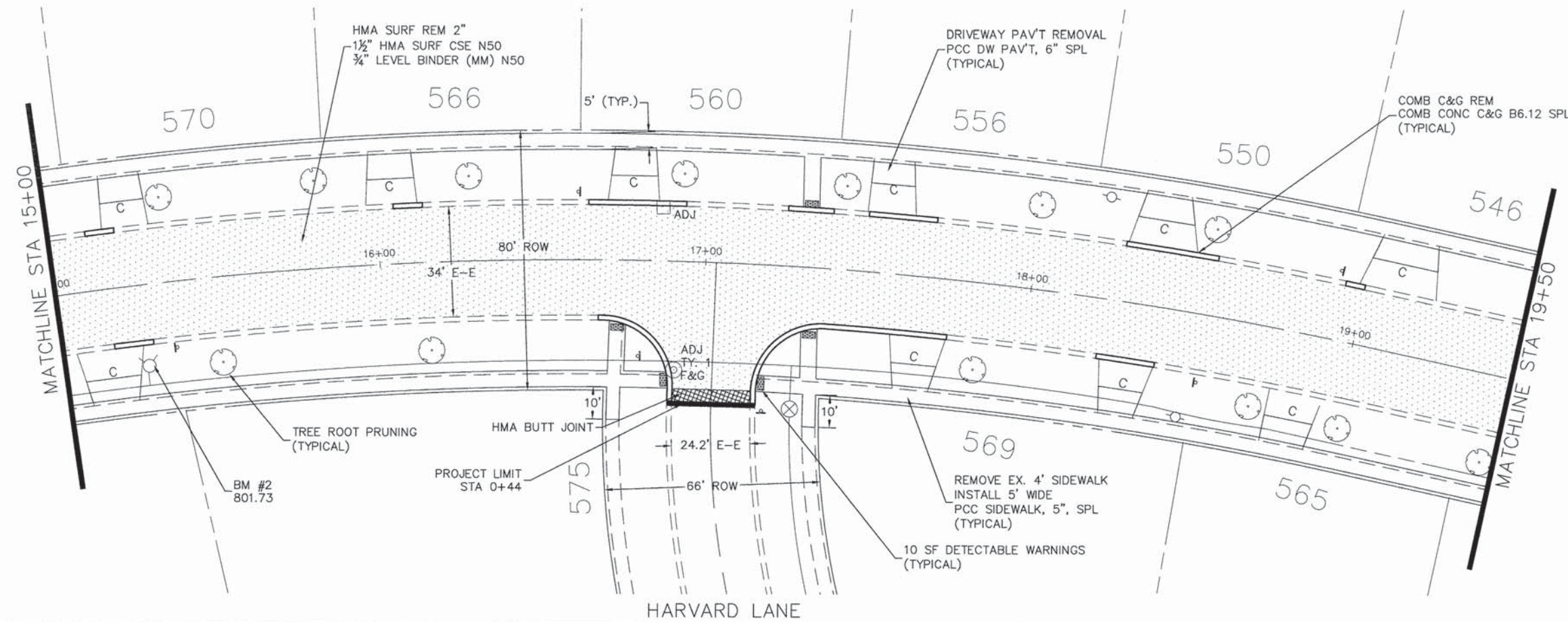
Hillcrest Boulevard
Roadway Plan
SCALE: 1" = 20'
SHEET NO. 1 OF 6 SHEETS
STA. 0+00 TO STA 10+00

| | | | | |
|---------------------------------------|---------------------------|----------------|-------------------|-----------------|
| F.A.U. RTE. 1105 2555 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 7 | SHEET NO. 39 |
| ILLINOIS FED. AID PROJECT M-4003(629) | | | | |

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VILLAGE OF
HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

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| DATE - | REVISÉ - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

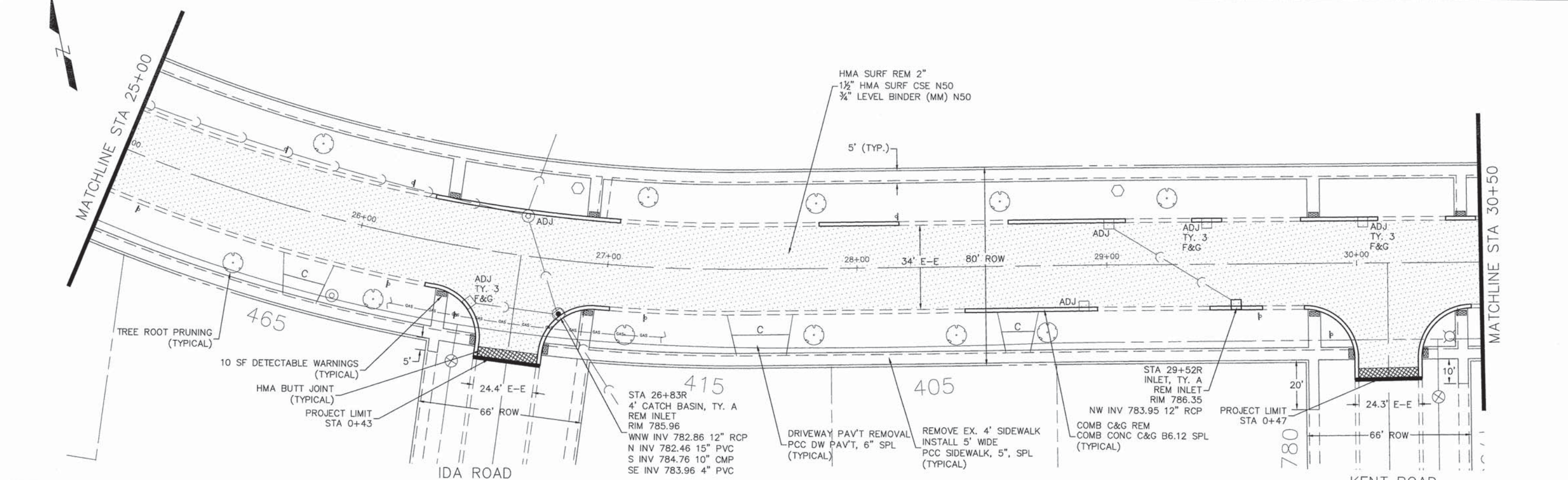
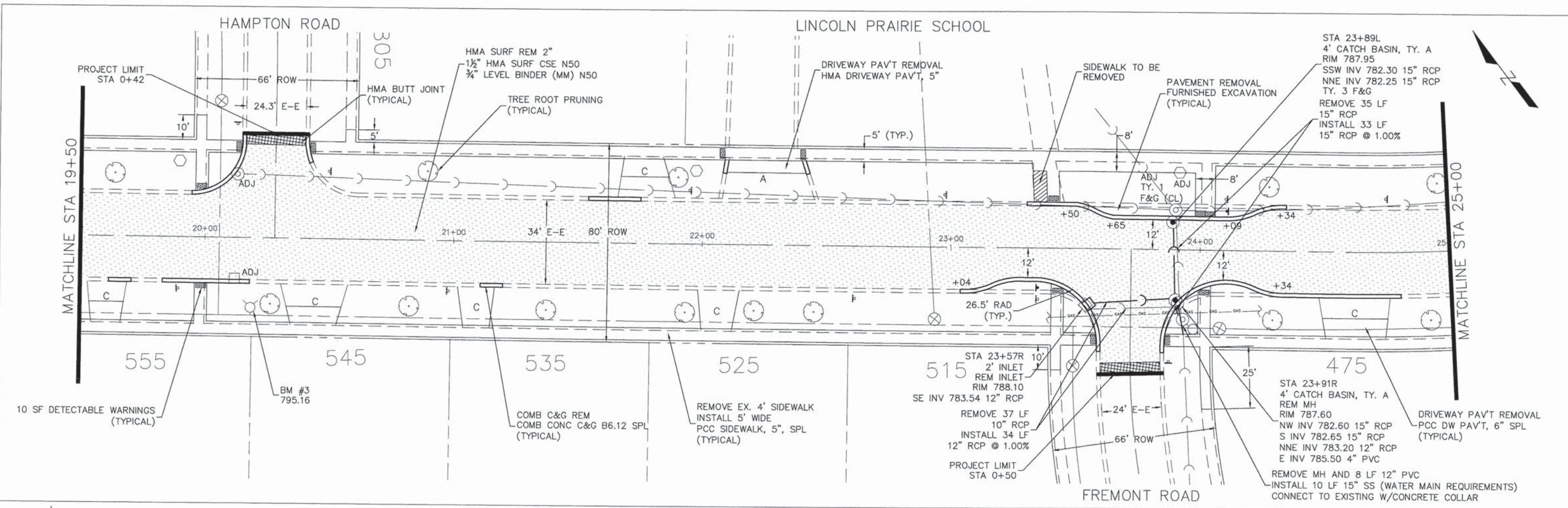
Hillcrest Boulevard
 Roadway Plan

SCALE: 1" = 20' SHEET NO. 2 OF 6 SHEETS STA. 10+00 TO STA 19+50

| | | | | |
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| F.A.U. RTE. 1105 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 8 | SHEET NO. 39 |
| ILLINOIS FED. AID PROJECT M-4003(629) | | | | CONTRACT NO. 61C46 |

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VILLAGE OF
HOFFMAN ESTATES
 1900 Hossell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

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| DATE - | REVISD - |

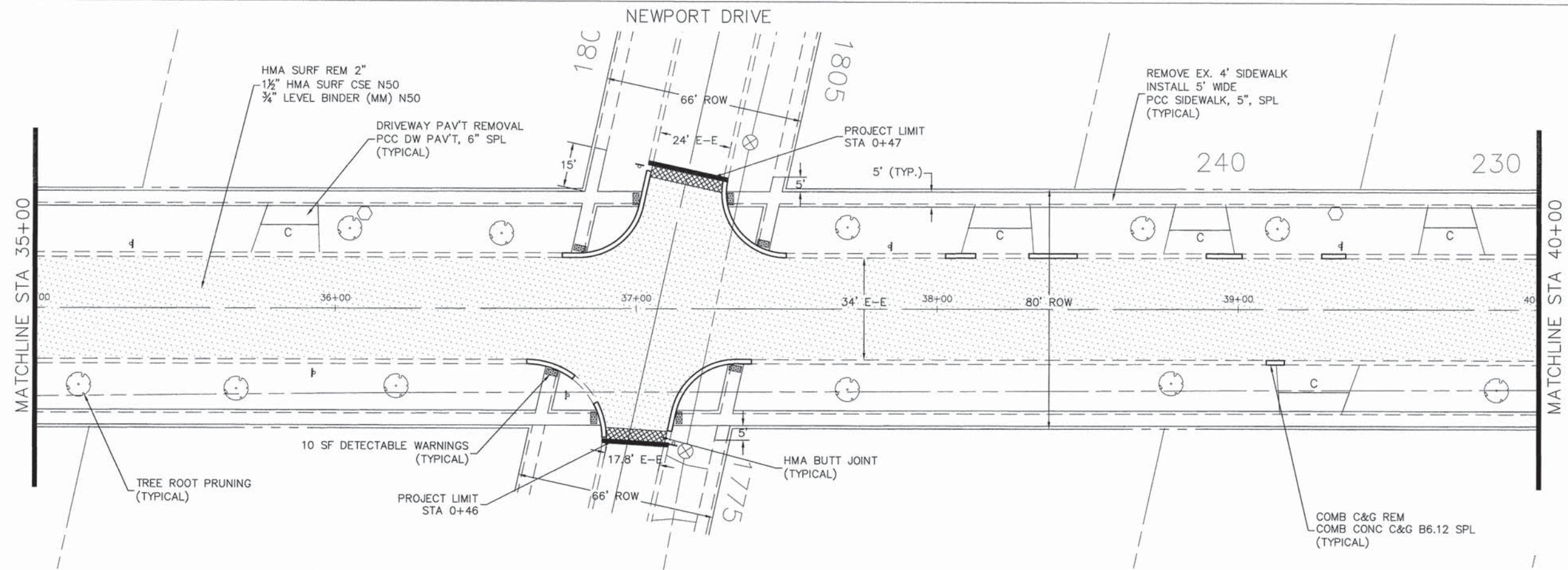
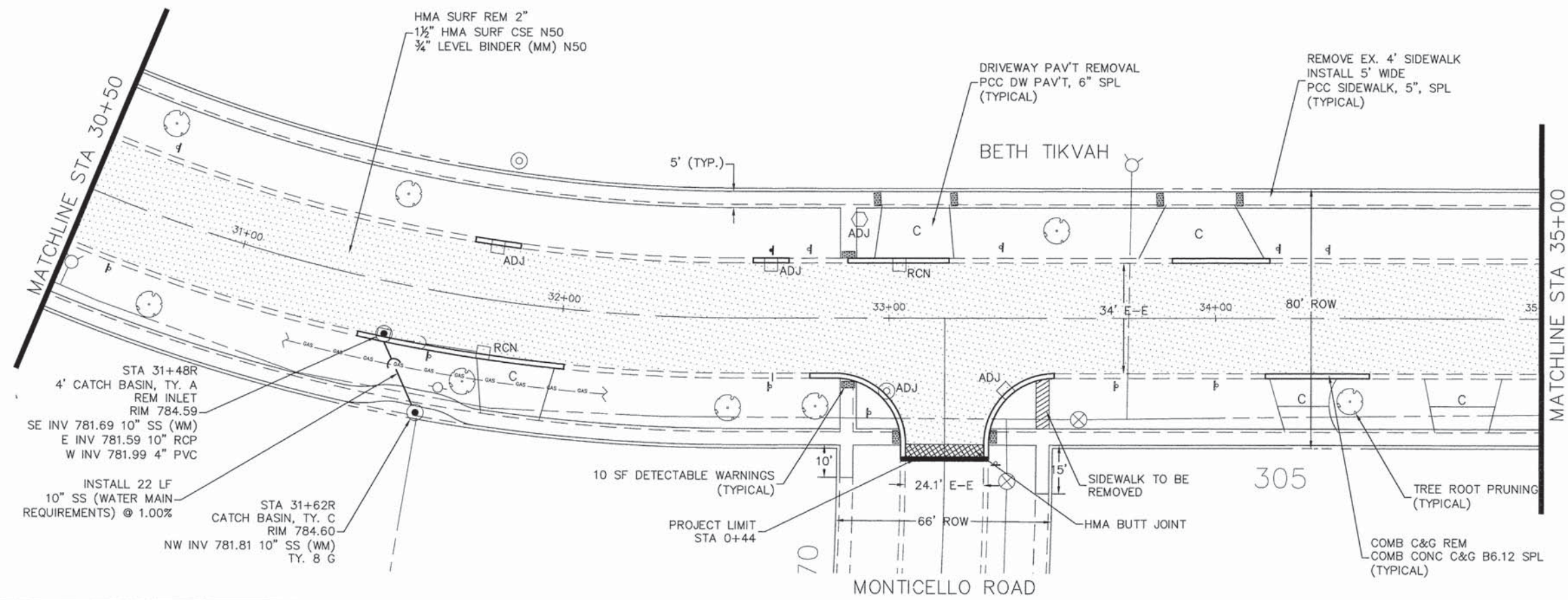
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Hillcrest Boulevard
 Roadway Plan
 SCALE: 1" = 20'
 SHEET NO. 3 OF 6 SHEETS
 STA. 19+50 TO STA 30+50

| | | | | |
|--------------------|----------------|--------|---------------------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1105 2556 | 15-00094-00-RS | COOK | 9 | 39 |
| CONTRACT NO. 61C46 | | | ILLINOIS FED. AID PROJECT M-4003(629) | |

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| PLAN | SURVEYED | DATE |
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VILLAGE OF
HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

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| DESIGNED - | REVISD - |
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

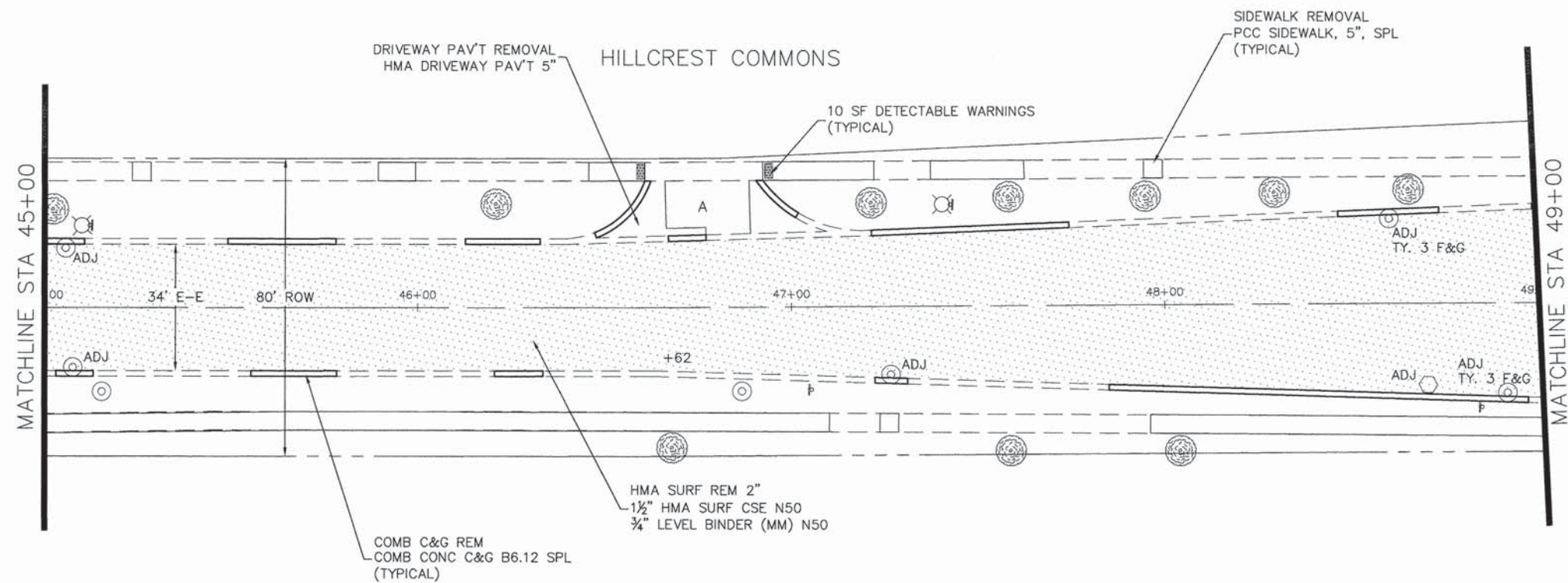
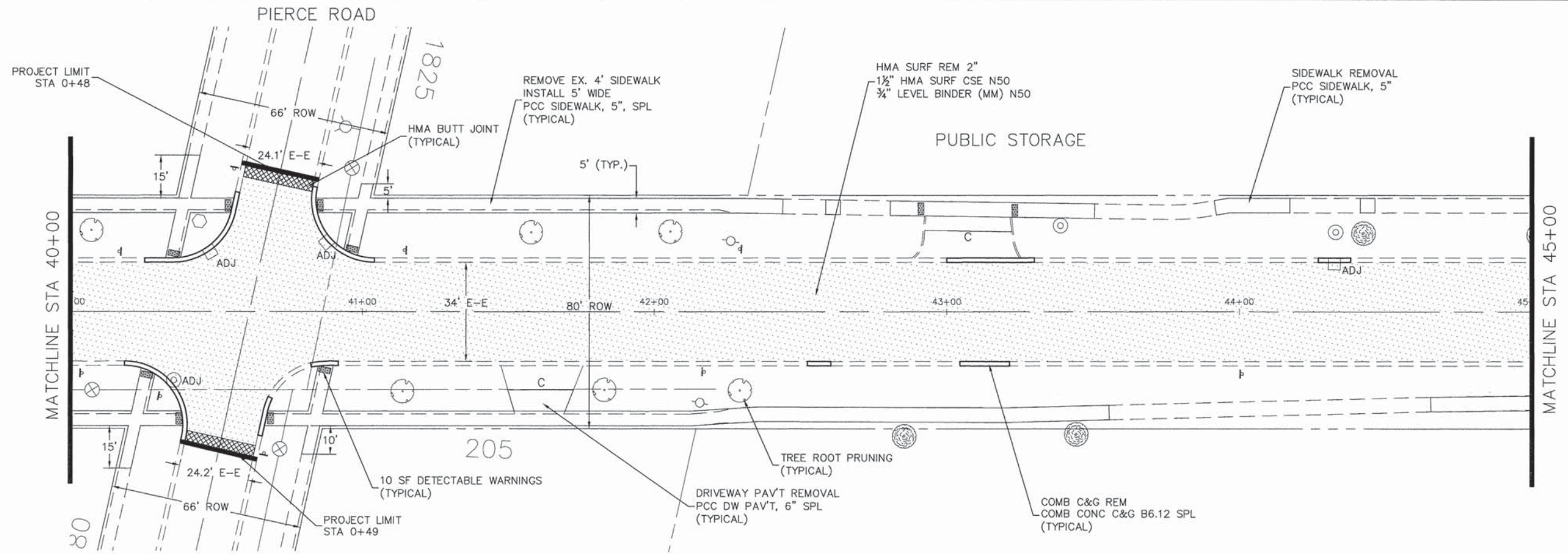
Hillcrest Boulevard
 Roadway Plan

SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. 30+50 TO STA 40+00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1105 2599 | 15-00094-00-RS | COOK | 10 | 39 |
| CONTRACT NO. 61C46 | | | ILLINOIS FED. AID PROJECT M-4003(629) | |

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VILLAGE OF HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

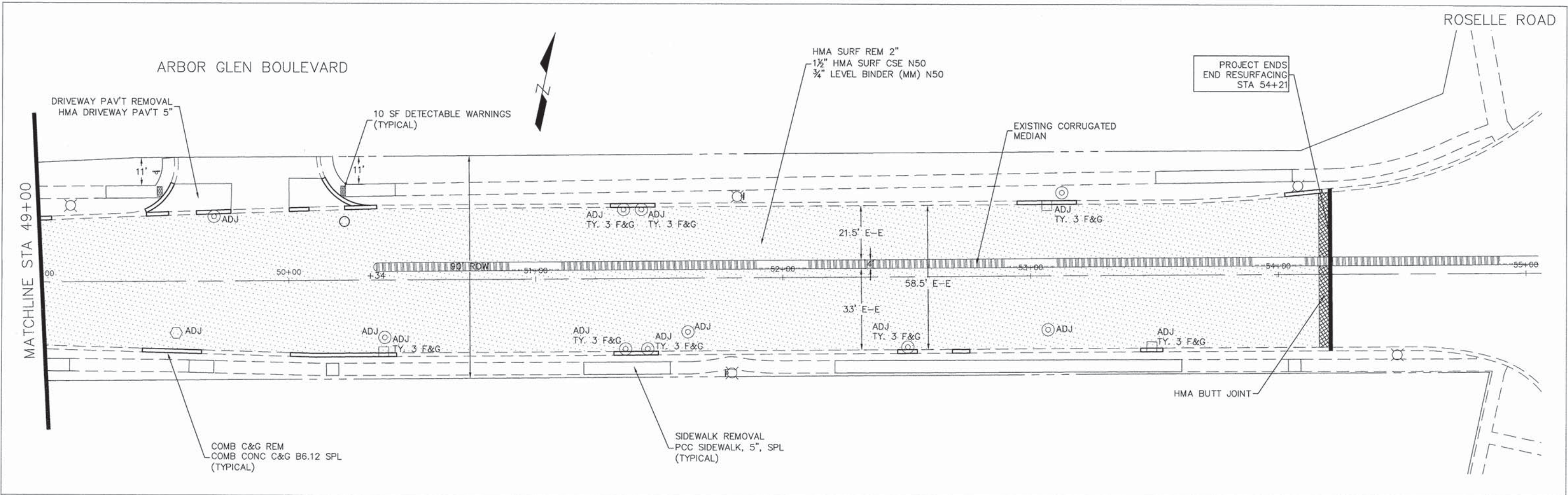
Hillcrest Boulevard
 Roadway Plan

SCALE: 1" = 20' SHEET NO. 5 OF 6 SHEETS STA. 40+00 TO STA 49+00

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| F.A.U. 1105 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 11 | SHEET NO. 39 |
| RTE. 2556 | | | CONTRACT NO. 61C46 | |
| ILLINOIS FED. AID PROJECT M-4003(629) | | | | |

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VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

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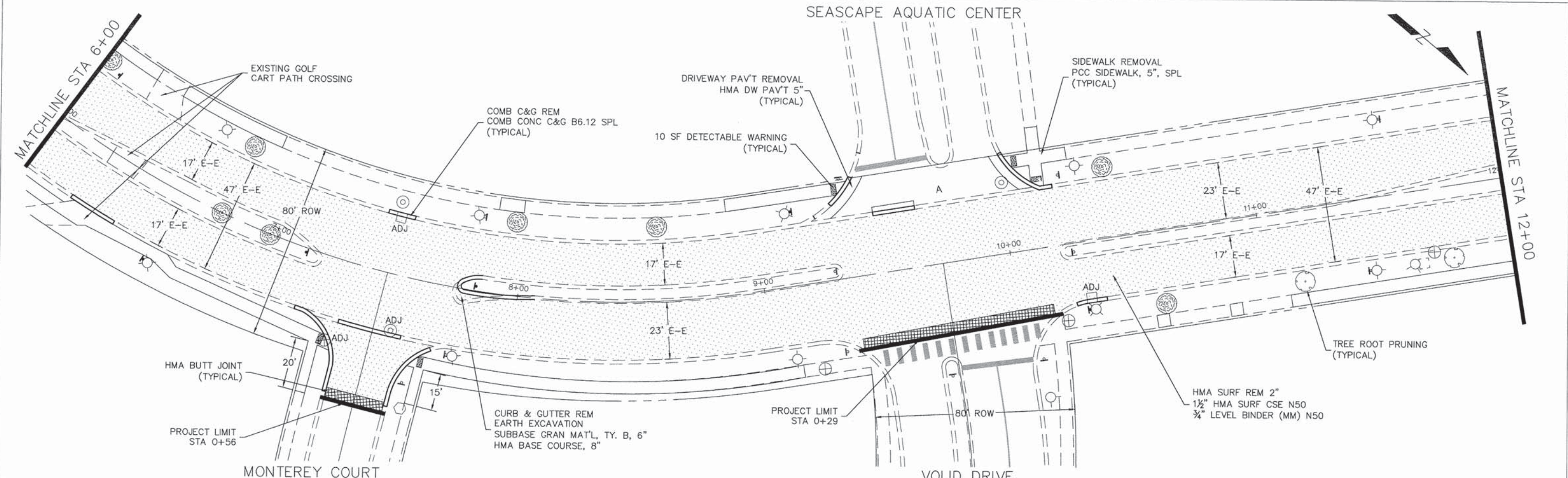
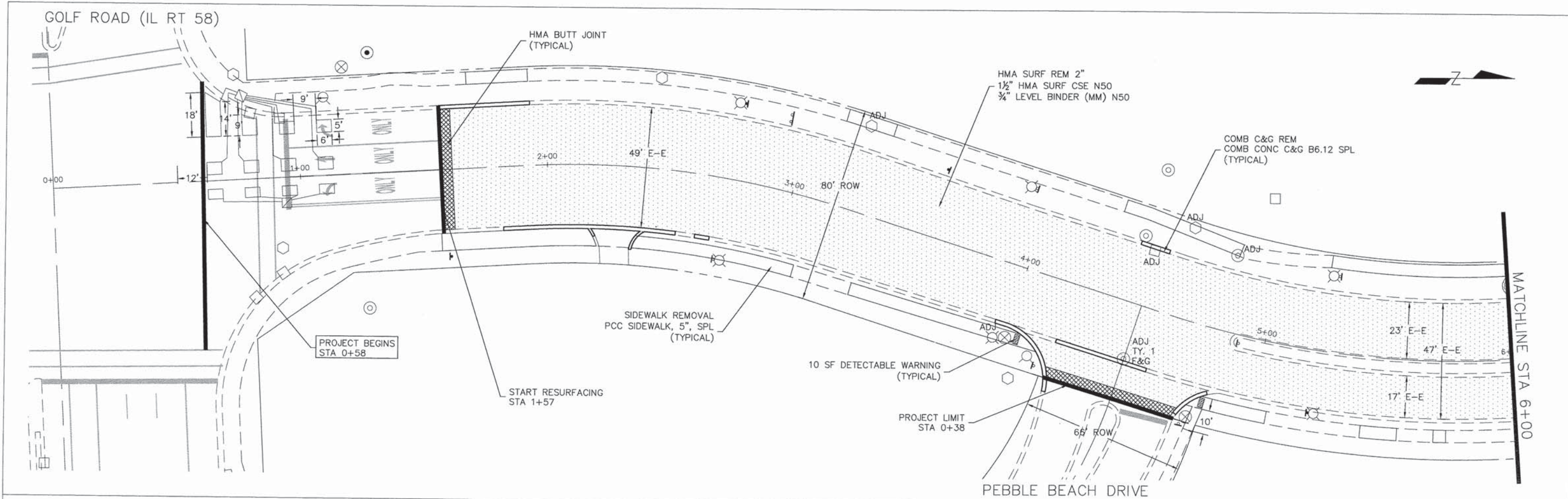
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Hillcrest Boulevard
Roadway Plan
SCALE: 1" = 20' SHEET NO. 6 OF 6 SHEETS STA. 49+00 TO STA 55+00

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|--------------------------------|---------------------------|----------------|---------------------------------------|-----------------|
| F.A.U. RTE. 1105 2550 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 12 | SHEET NO. 39 |
| CONTRACT NO. 61C46 | | | ILLINOIS FED. AID PROJECT M-4003(629) | |

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VILLAGE OF
HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

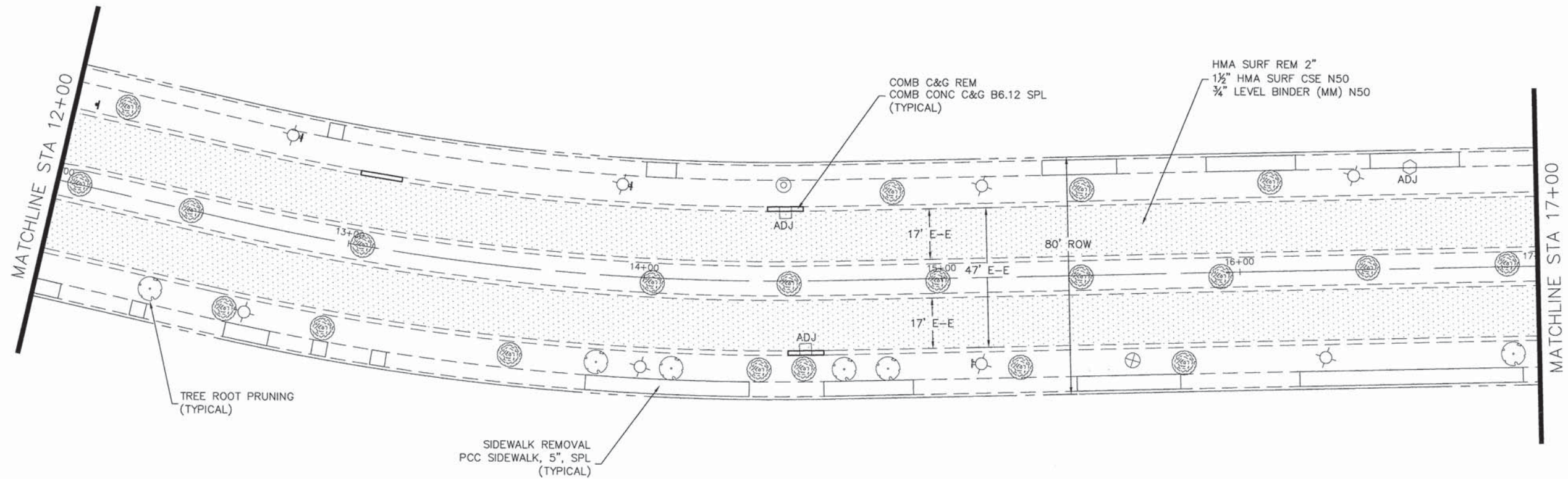
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

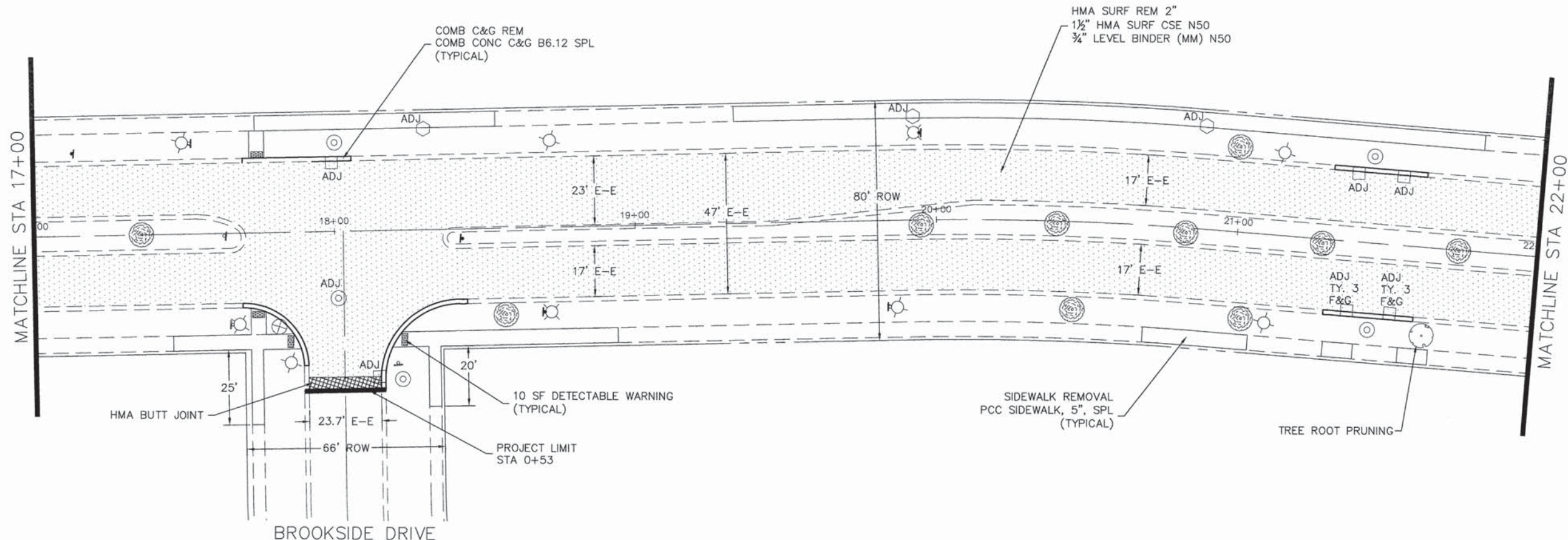
Moon Lake Boulevard
 Roadway Plan
 SCALE: 1" = 20' SHEET NO. 1 OF 5 SHEETS STA. 0+00 TO STA 12+00

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| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1105 2850 | 15-00094-00-RS | COOK | 13 | 39 |
| | | | CONTRACT NO. 61C46 | |
| ILLINOIS FED. AID PROJECT M-4003(629) | | | | |

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1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

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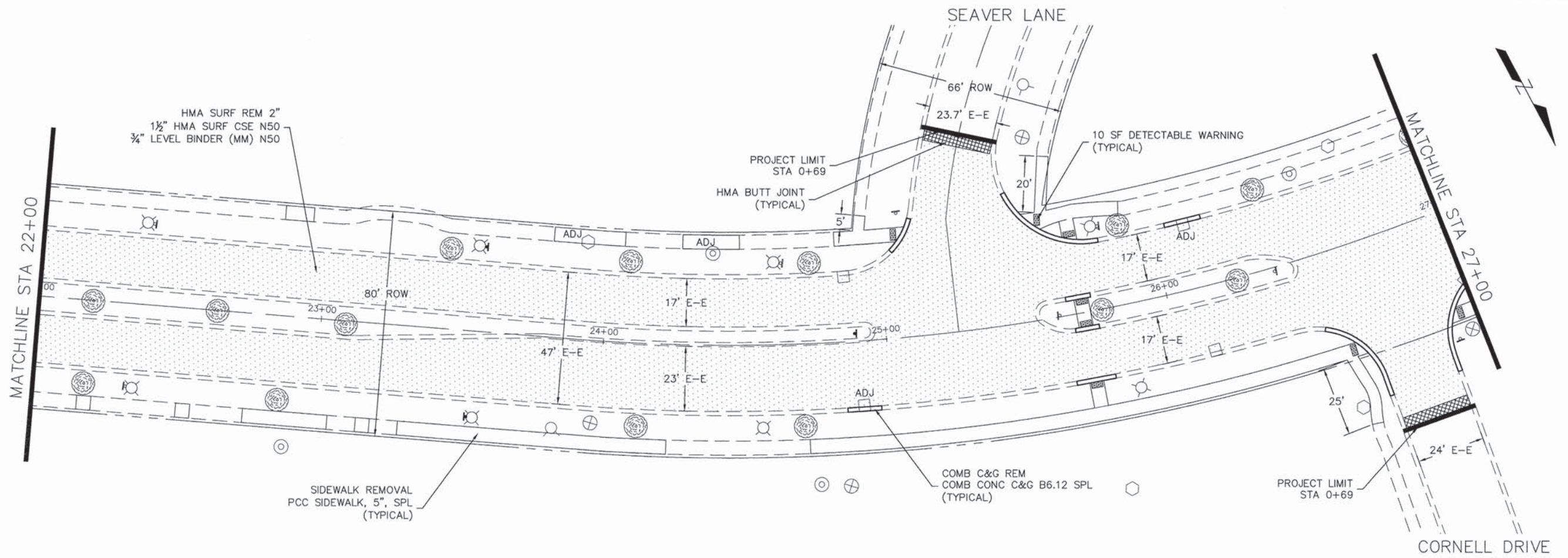
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Moon Lake Boulevard
Roadway Plan

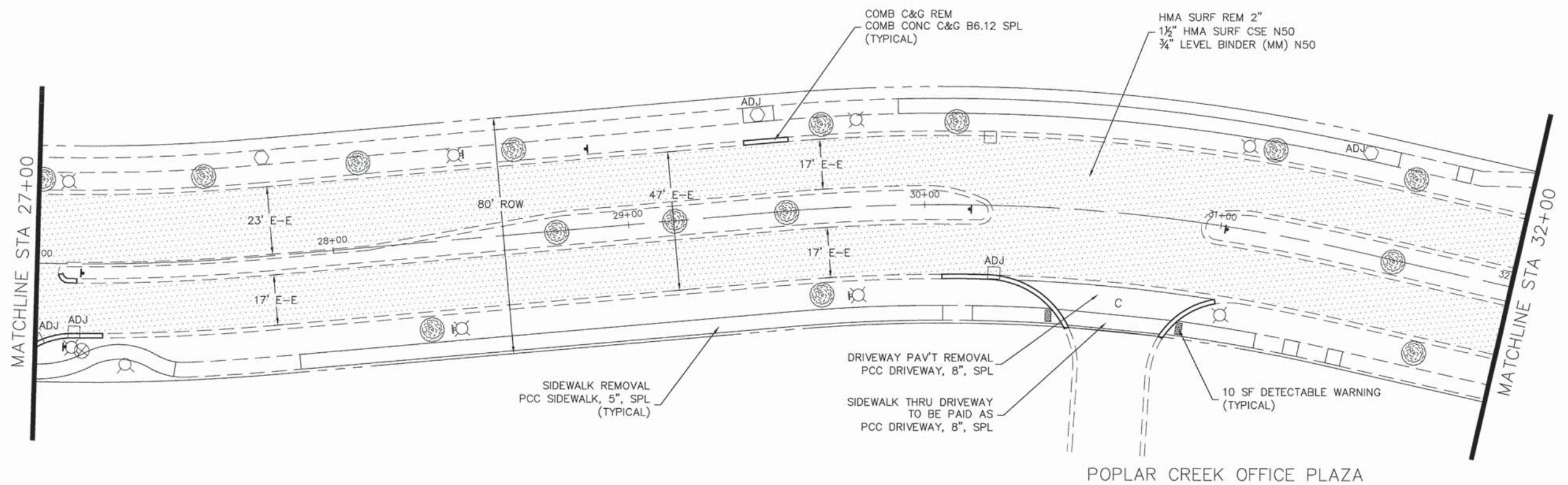
SCALE: 1" = 20' SHEET NO. 2 OF 5 SHEETS STA. 12+00 TO STA 22+00

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| F.A.U. RTE. 1105 2558 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 14 | SHEET NO. 39 |
| | | | | CONTRACT NO. 61C46 |
| | | | | ILLINOIS FED. AID PROJECT M-4003(629) |

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



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| PROFILE | SURVEYED | DATE | BY |
| | PLOTTED | | |
| | ALIGNED | | |
| | CHECKED | | |
| | STRUCTURE | | |
| | NO. | | |



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

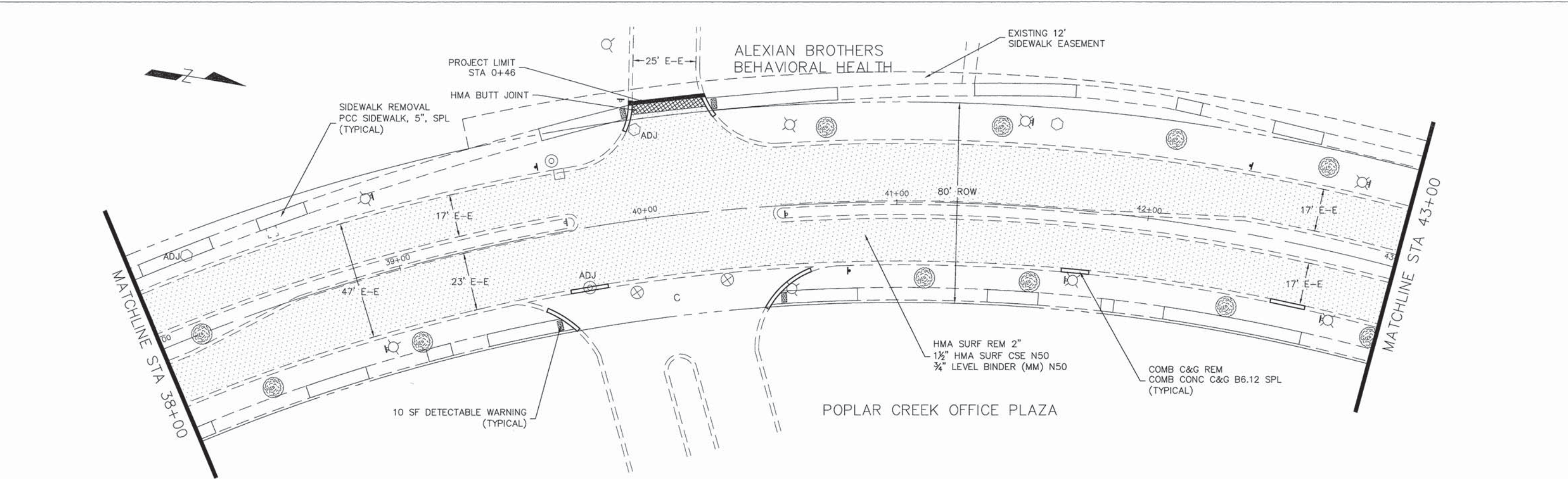
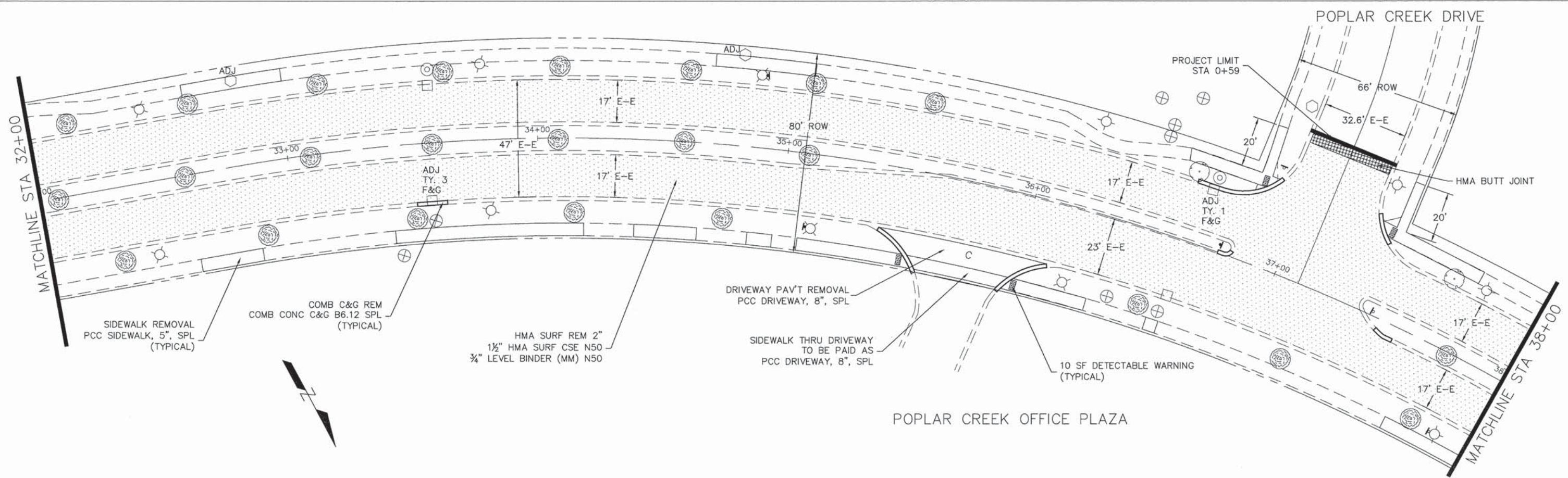
Moon Lake Boulevard
Roadway Plan

SCALE: 1" = 20' SHEET NO. 3 OF 5 SHEETS STA. 22+00 TO STA 32+00

| | | | | |
|---------------------------------------|------------------------|-------------|-----------------|--------------------|
| F.A.U. RTE. T108 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 15 | SHEET NO. 39 |
| ILLINOIS FED. AID PROJECT M-4003(629) | | | | CONTRACT NO. 61C46 |

| | | |
|------|----------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | NOTED | NO. |
| | CHECKED | |
| | APPROVED | |
| | DATE | |

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| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | NOTED | NO. |
| | CHECKED | |
| | APPROVED | |
| | DATE | |



ALEXIAN BROTHERS
BEHAVIORAL HEALTH

COMB C&G REM
COMB CONC C&G B6.12 SPL
(TYPICAL)

FIRE STATION 22

COMB C&G REM
COMB CONC C&G B6.12 SPL
(TYPICAL)

ALEXIAN BROTHERS MEDICAL PLAZA

SIDEWALK THRU DRIVEWAY
TO BE PAID AS
PCC DRIVEWAY, 8", SPL

MATCHLINE STA 43+00

MATCHLINE STA 48+00

DRIVEWAY PAV'T REMOVAL
PCC DRIVEWAY, 8", SPL

SIDEWALK THRU DRIVEWAY
TO BE PAID AS
PCC DRIVEWAY, 8", SPL

10 SF DETECTABLE WARNING
(TYPICAL)

SIDEWALK REMOVAL
PCC SIDEWALK, 5", SPL
(TYPICAL)

HMA SURF REM 2"
1 1/2" HMA SURF CSE N50
3/4" LEVEL BINDER (MM) N50



| | | |
|------|----------|------|
| PLAN | DESIGNED | DATE |
| | DRAWN | |
| | CHECKED | |
| | DATE | |
| | NO. | |

| | | |
|---------|------|----|
| PROFILE | DATE | BY |
| | | |
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| | | |

HIGGINS ROAD (IL RT 72)

HMA SURF REM 2"
1 1/2" HMA SURF CSE N50
3/4" LEVEL BINDER (MM) N50

HMA BUTT JOINT

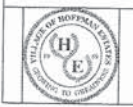
END RESURFACING
STA 48+82

PROJECT ENDS
STA 49+09

MATCHLINE STA 48+00

GOVERNORS LANE

SIDEWALK REMOVAL
PCC SIDEWALK, 5", SPL
(TYPICAL)



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

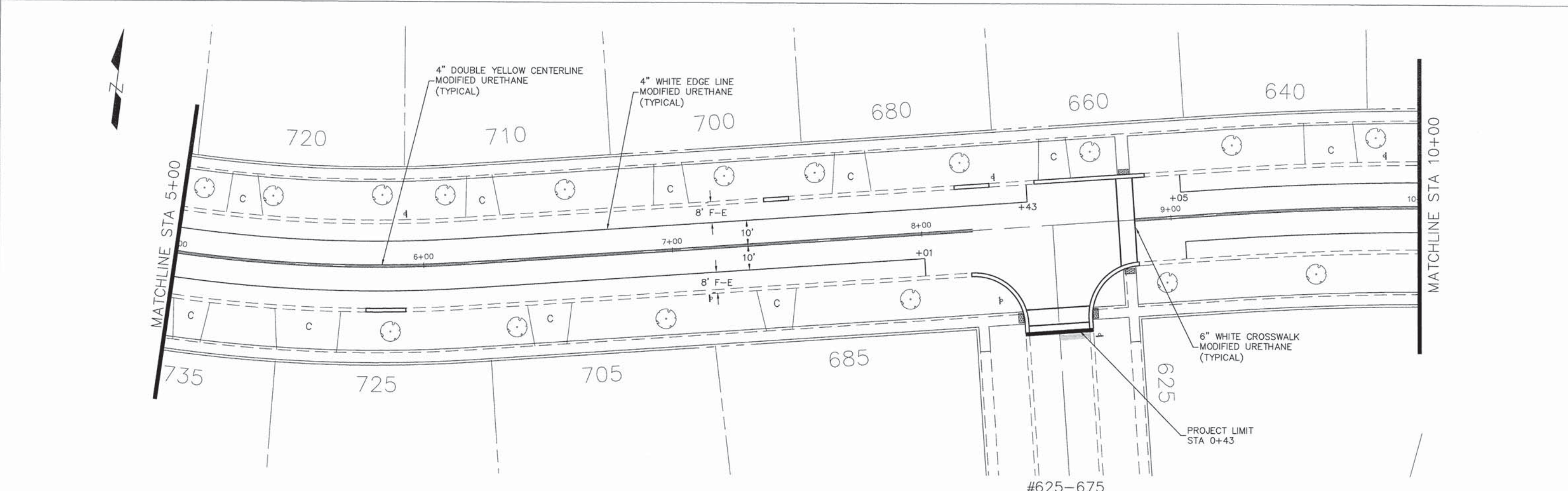
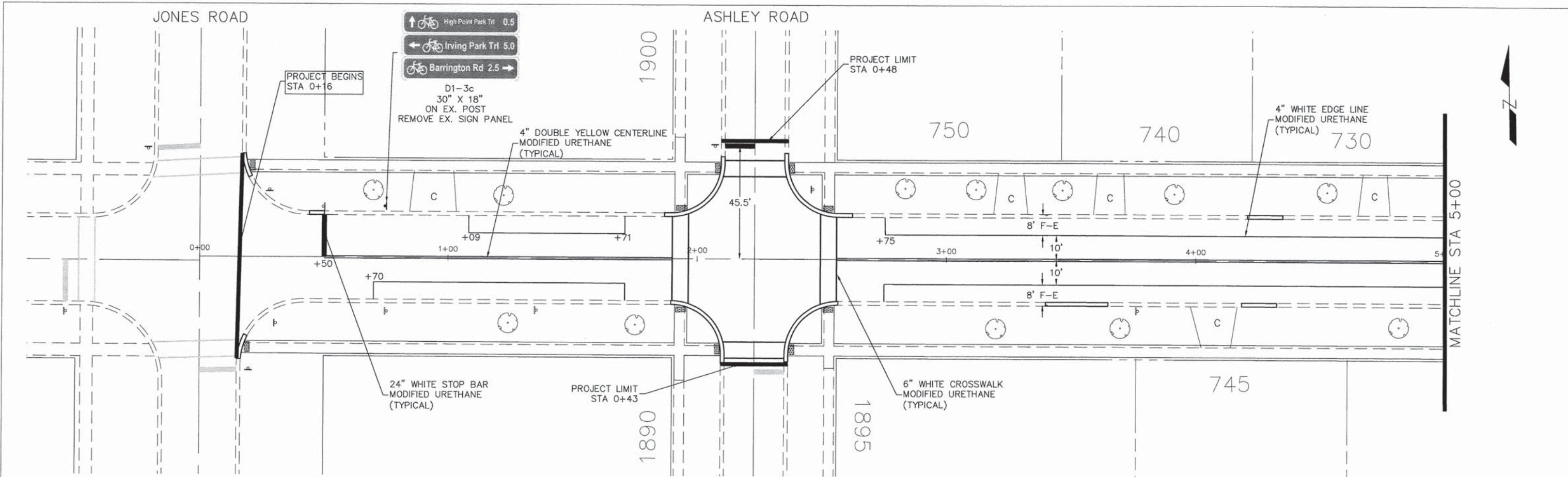
Moon Lake Boulevard
Roadway Plan

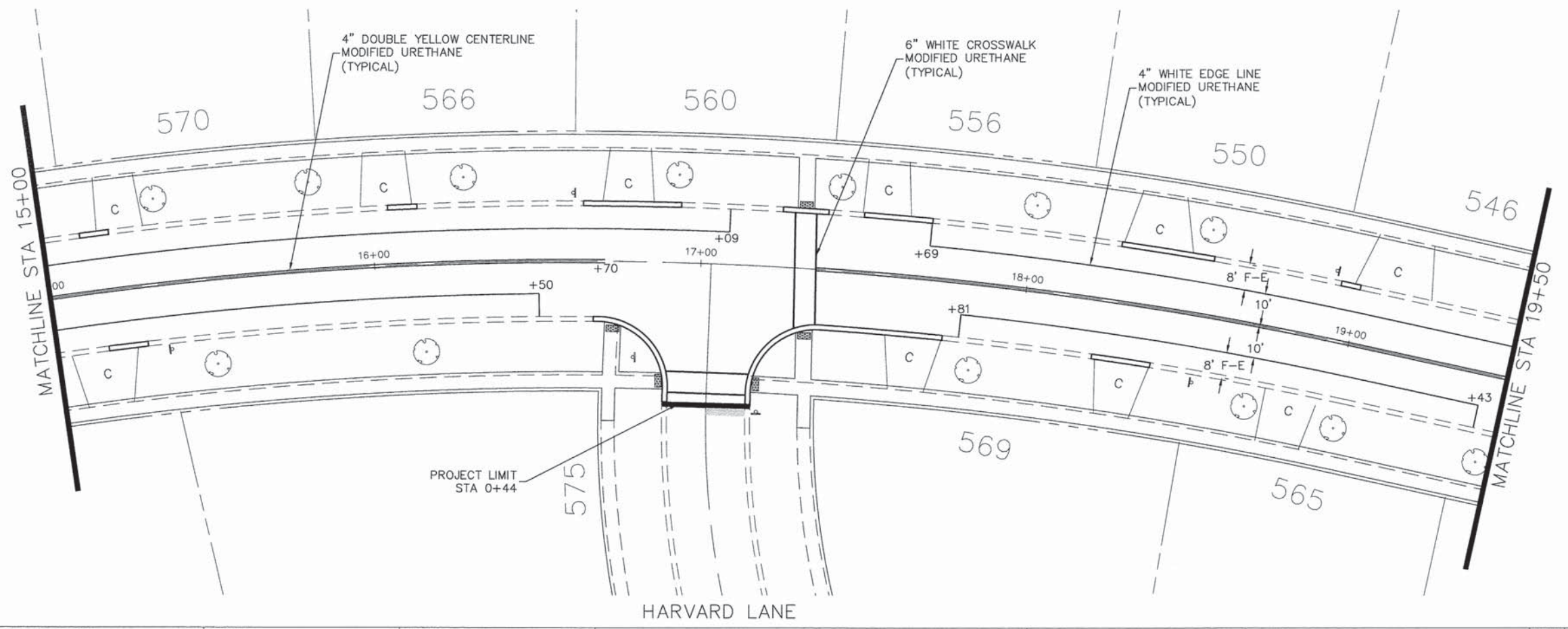
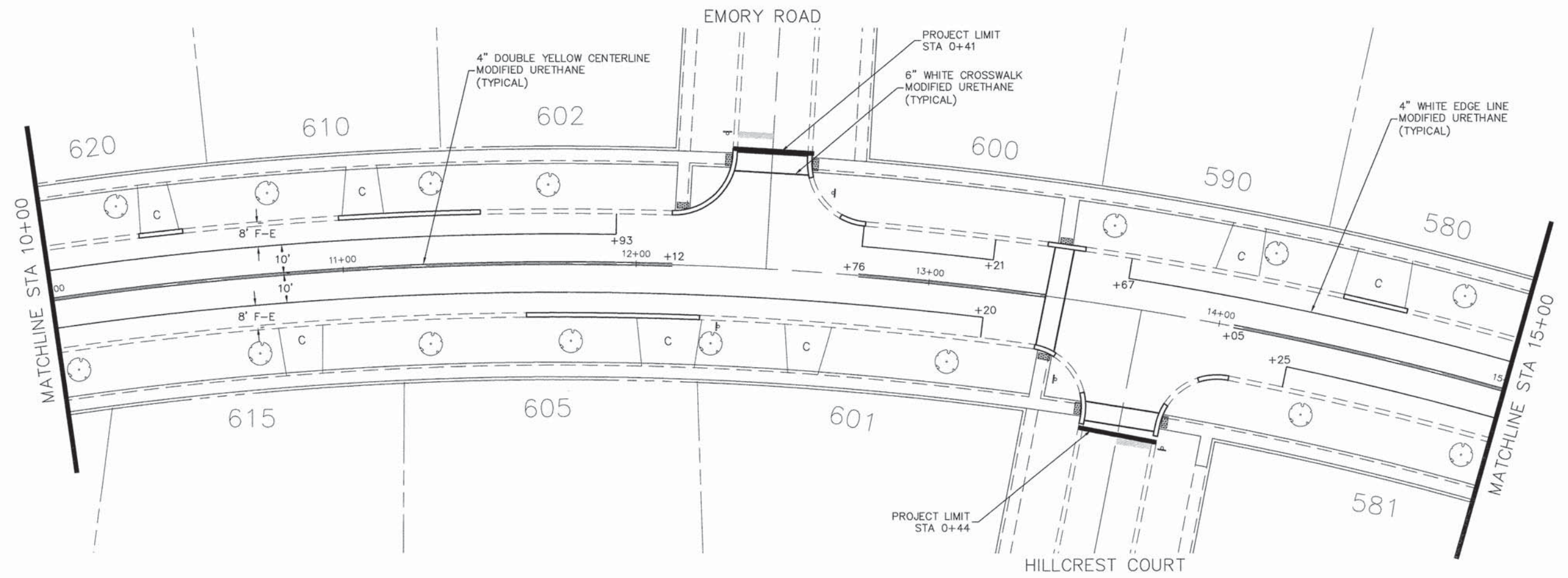
SCALE: 1" = 20' SHEET NO. 5 OF 5 SHEETS STA. 43+00 TO STA 49+90

| | | | | |
|-------------------------------|---------------------------|----------------|--------------------|---------------------------------------|
| F.A.U. RT# 1105 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 17 | SHEET NO. 39 |
| CONTRACT NO. 61C46 | | | | ILLINOIS FED. AID PROJECT M-4003(629) |

| | | |
|------|-------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | ALIGNMENT CHECKED | DATE |
| | NOTE BOOK | NO. |
| | NO. OF SHEETS | |
| | DATE | |

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





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|------|--------------------|------|
| PLAN | SURVEYED | DATE |
| | GRADES CHECKED | |
| | ALIGNMENT CHECKED | |
| | RT. OF WAY CHECKED | |
| | POLE NAME | |
| | NO. | |

| | | |
|---------|--------------------------|------|
| PROFILE | SURVEYED | DATE |
| | GRADES CHECKED | |
| | BLM. NOTE | |
| | STRUCTURE NOTATIONS CK'D | |
| | NO. | |

VILLAGE OF
HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

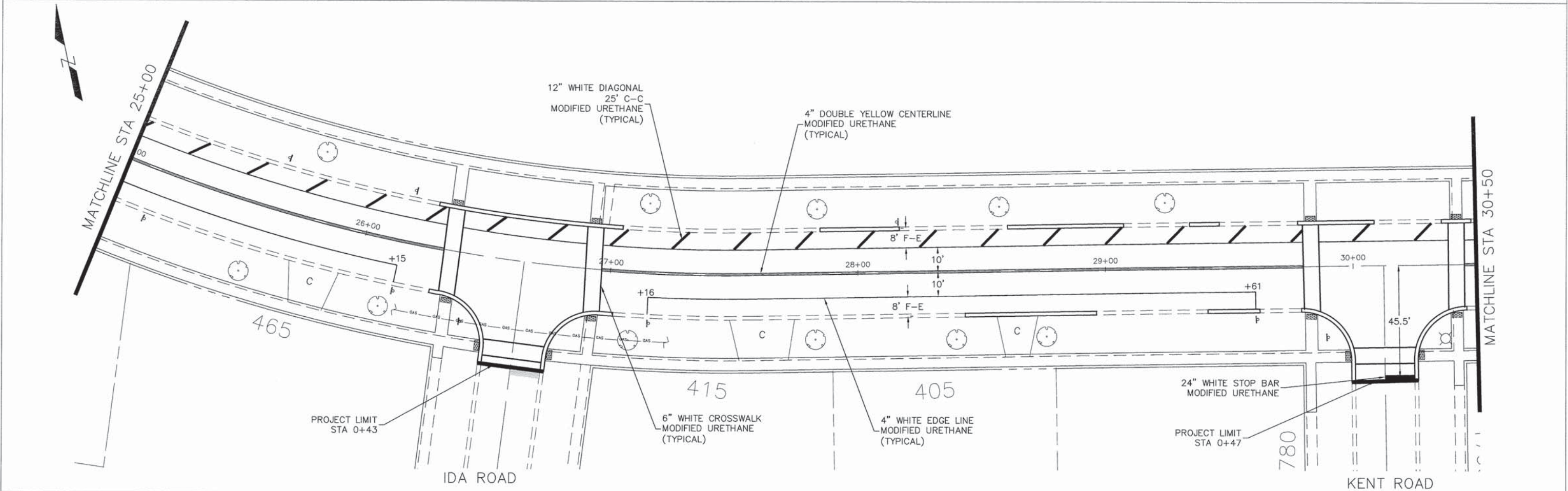
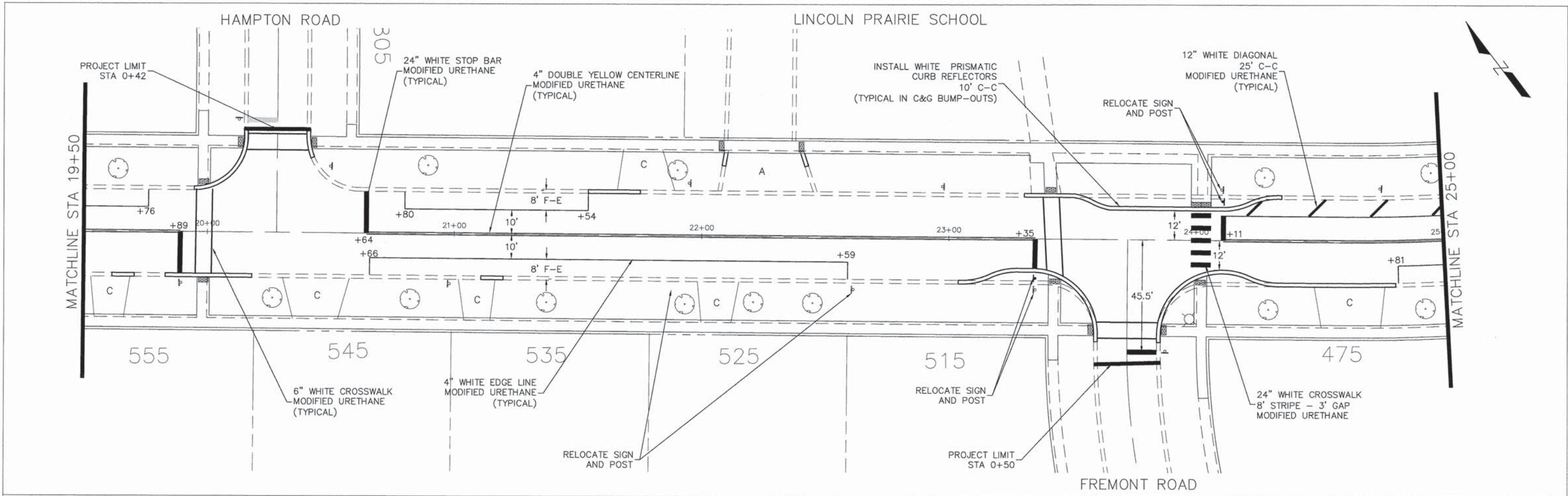
Hillcrest Boulevard
 Striping & Signage

SCALE: 1" = 20' SHEET NO. 2 OF 6 SHEETS STA. 10+00 TO STA 19+50

| | | | | |
|--------------------------------|---------------------------|----------------|--------------------|-----------------|
| F.A.U. RTE. 1100 2500 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 19 | SHEET NO. 39 |
| ILLINOIS FED. AID PROJECT | | | M-4003(629) | |

| | | |
|------|-----------|---------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | ALIGNED | CHECKED |
| | NOTE BOOK | NO. |
| | NO. 1 | |

| | | |
|---------|-----------|---------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | ALIGNED | CHECKED |
| | NOTE BOOK | NO. |
| | NO. 1 | |



VILLAGE OF
HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

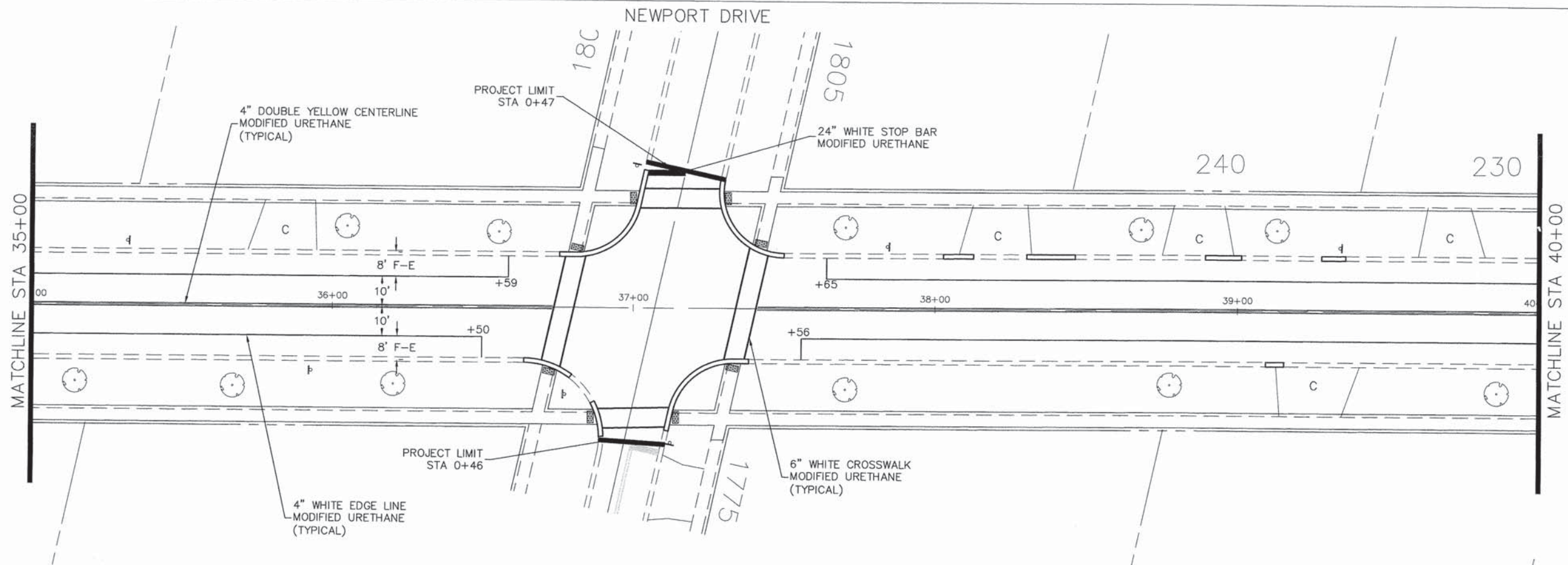
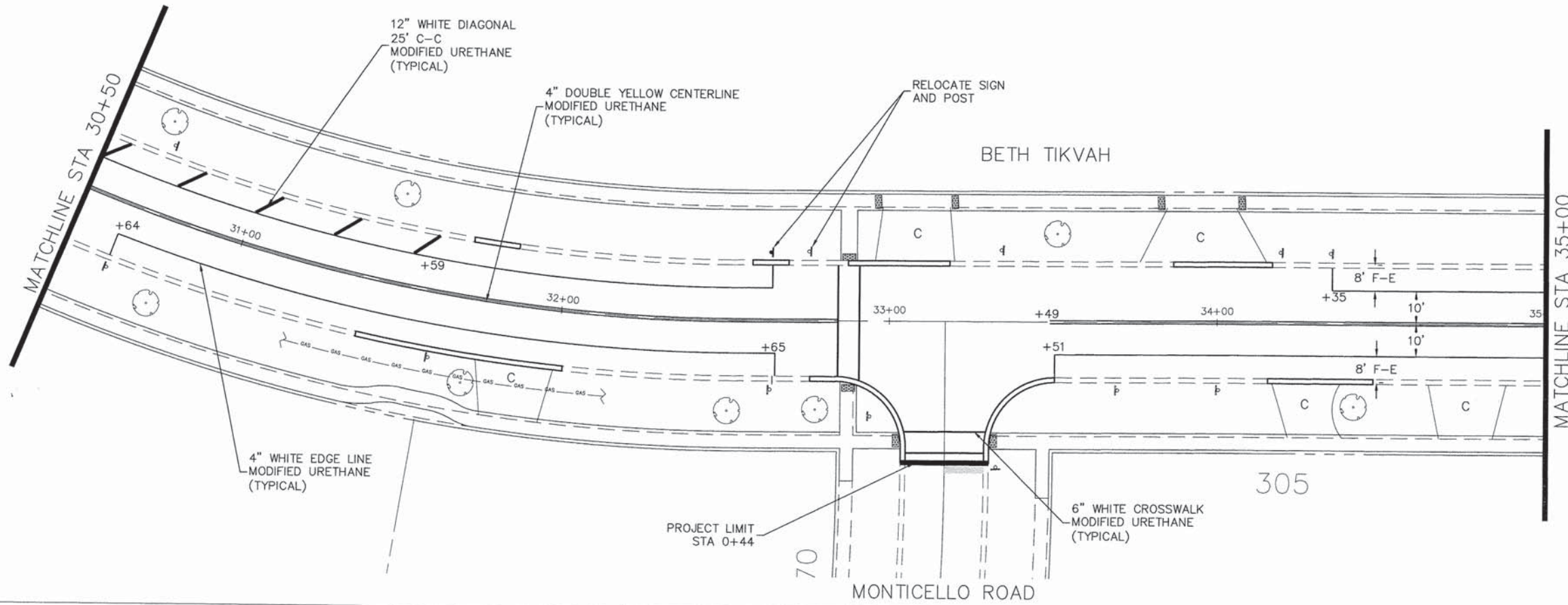
Hillcrest Boulevard
 Striping & Signage

SCALE: 1" = 20' SHEET NO. 3 OF 6 SHEETS STA. 19+50 TO STA 30+50

| | | | | |
|---------------------------|------------------------|-------------|-----------------------------------|--------------|
| F.A.U. RTE. 1105 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 20 | SHEET NO. 39 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61C46 M-4003(629) | |

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

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



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

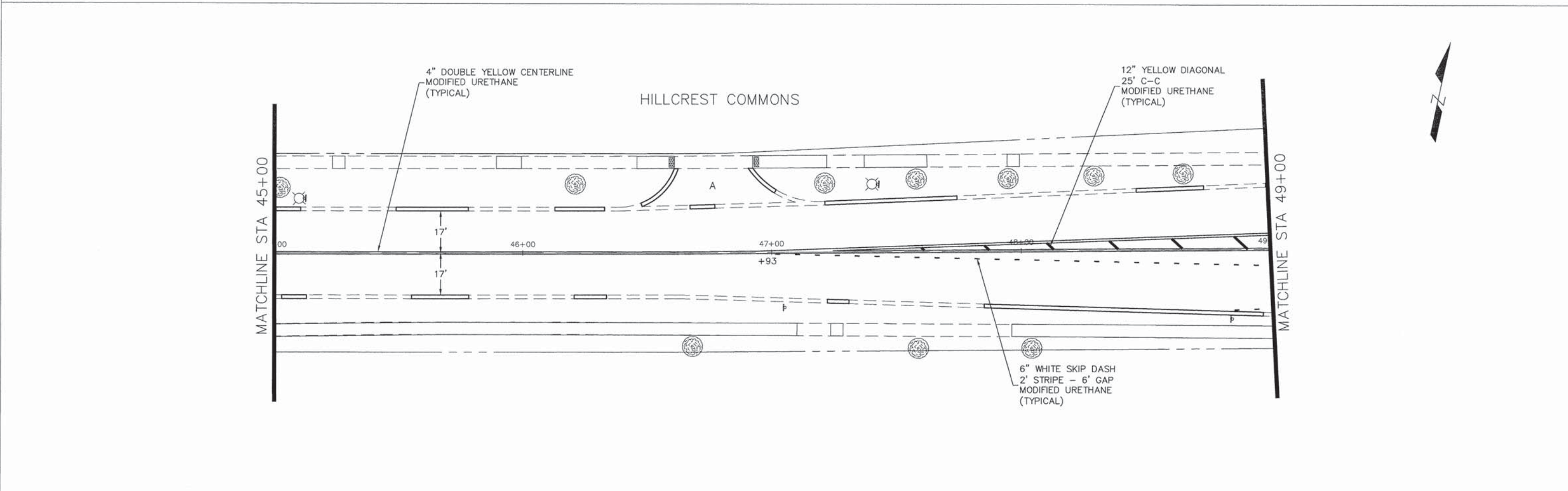
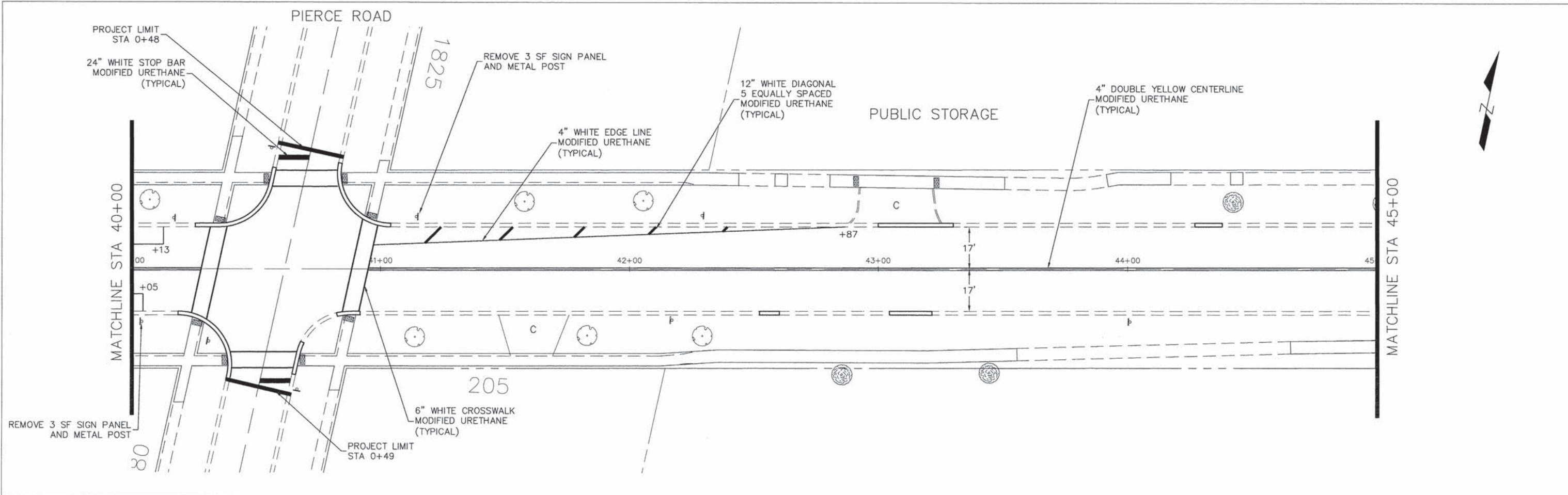
Hillcrest Boulevard
Striping & Signage

SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. 30+50 TO STA 40+00

| | | | | |
|---------------------------------------|---------------------------|----------------|--------------------|--------------------|
| F.A.U. RT# 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 21 | SHEET NO. 39 |
| | | | | CONTRACT NO. 61C46 |
| ILLINOIS FED. AID PROJECT M-4003(629) | | | | |

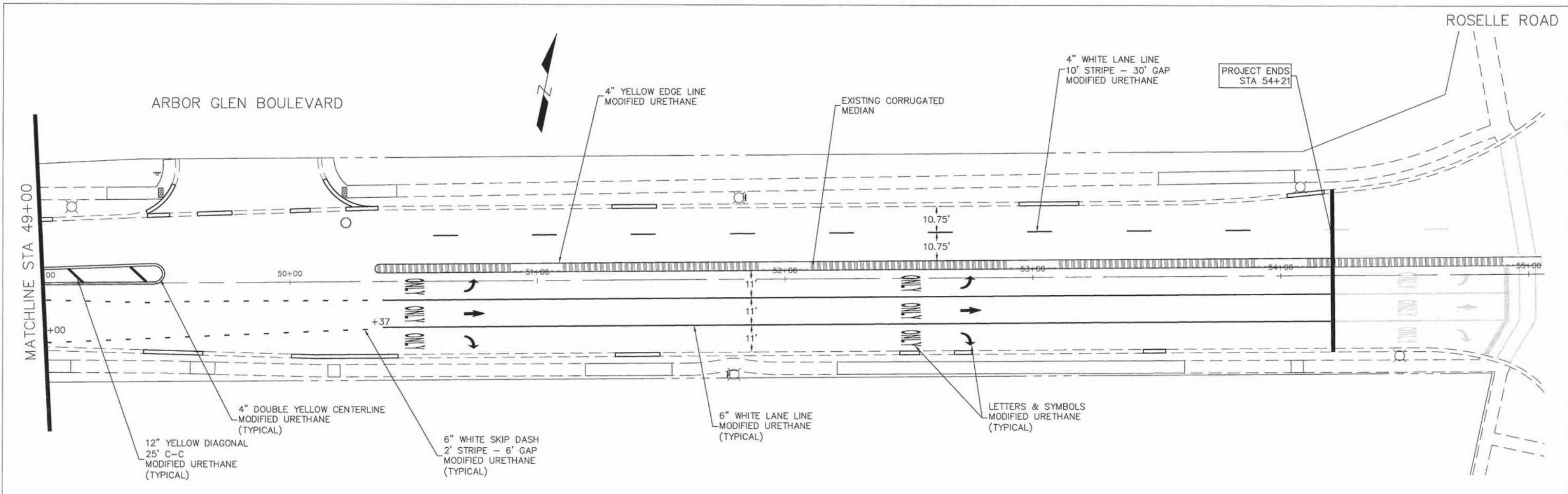
| | | |
|------|---------------------------|--------------|
| PLAN | DESIGNED | DATE |
| | DRAWN | BY |
| | CHECKED | DATE |
| | NO. OF SHEETS | TOTAL SHEETS |
| | NO. OF SHEETS CHECKED | |
| | NO. OF SHEETS NOT CHECKED | |

| | | |
|---------|---------------------------|--------------|
| PROFILE | DESIGNED | DATE |
| | DRAWN | BY |
| | CHECKED | DATE |
| | NO. OF SHEETS | TOTAL SHEETS |
| | NO. OF SHEETS CHECKED | |
| | NO. OF SHEETS NOT CHECKED | |



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| PLAN | DESIGNED | DATE | BY |
| | DRAWN | | |
| | CHECKED | | |
| | DATE | | |
| NOTE BOOK ALIGNMENT CHECKED | | | |
| NOTE BOOK GRADES CHECKED | | | |
| NOTE BOOK STRIPING NOTATION CHKD | | | |
| NO. | | | |

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| PROFILE | DESIGNED | DATE | BY |
| | DRAWN | | |
| | CHECKED | | |
| | DATE | | |
| NOTE BOOK GRADES CHECKED | | | |
| NOTE BOOK STRIPING NOTATION CHKD | | | |
| NO. | | | |



VILLAGE OF HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

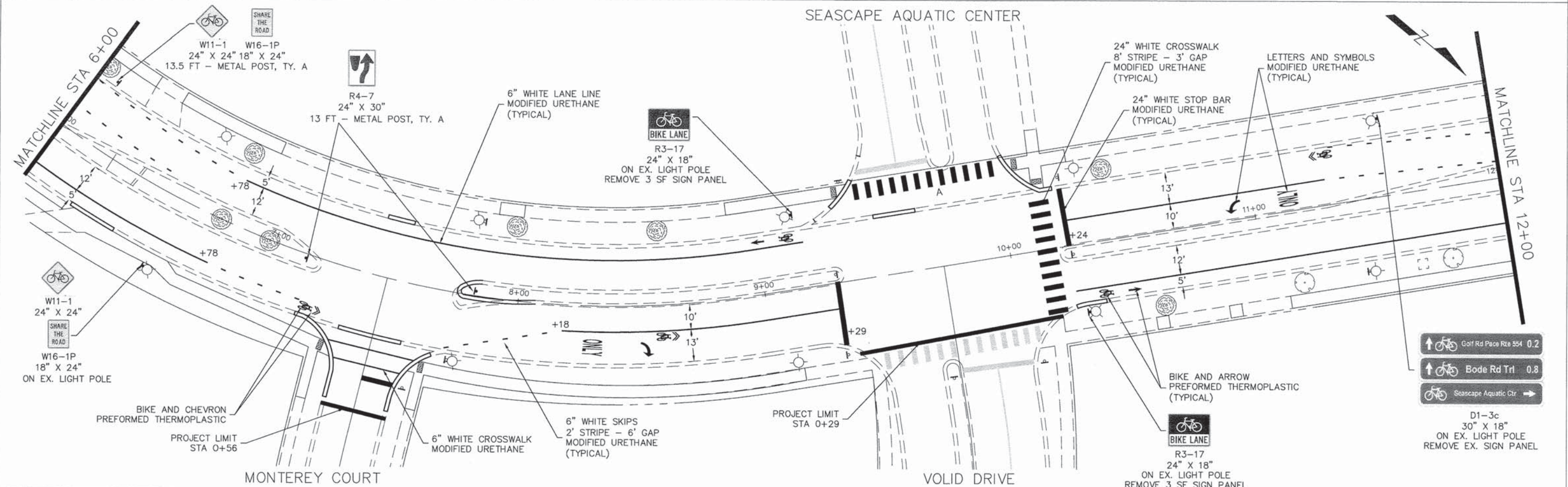
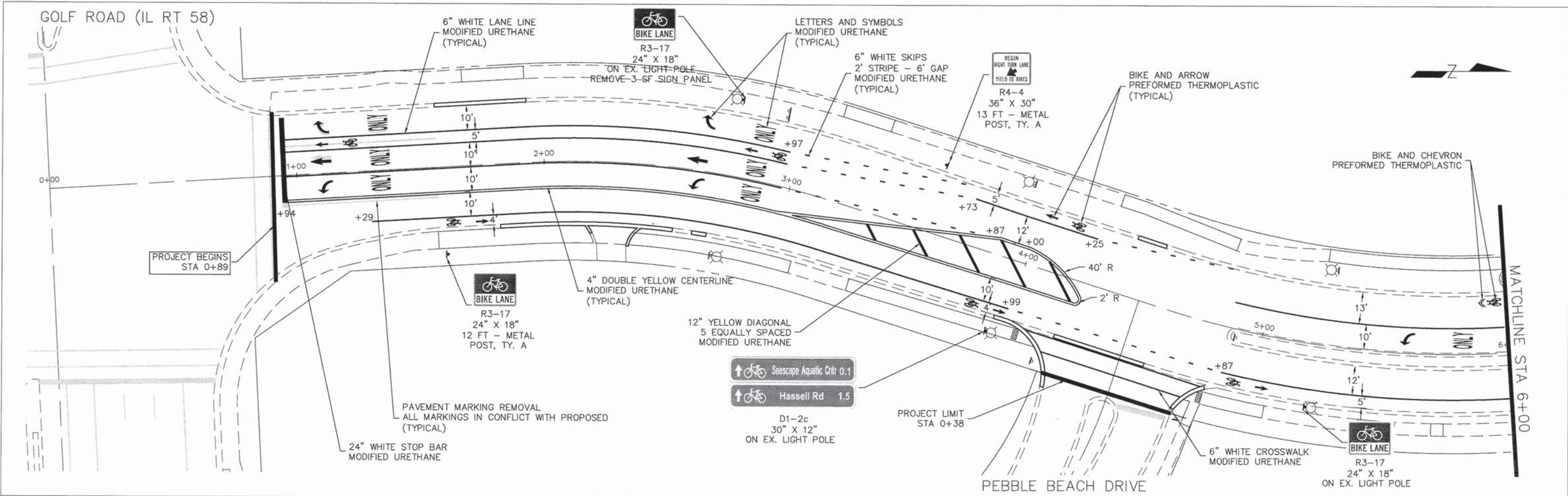
Hillcrest Boulevard
 Striping & Signage

SCALE: 1" = 20' SHEET NO. 6 OF 6 SHEETS STA. 49+00 TO STA 55+00

| | | | | |
|--------------------|----------------|--------|---------------------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1105 2556 | 15-00094-00-RS | COOK | 23 | 39 |
| CONTRACT NO. 61C46 | | | ILLINOIS FED. AID PROJECT M-4003(629) | |

| | | | |
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| PLAN | SURVEYED | DATE | BY |
| | NOTED | | |
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| PROFILE | SURVEYED | DATE | BY |
| | NOTED | | |
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| | NO. | | |



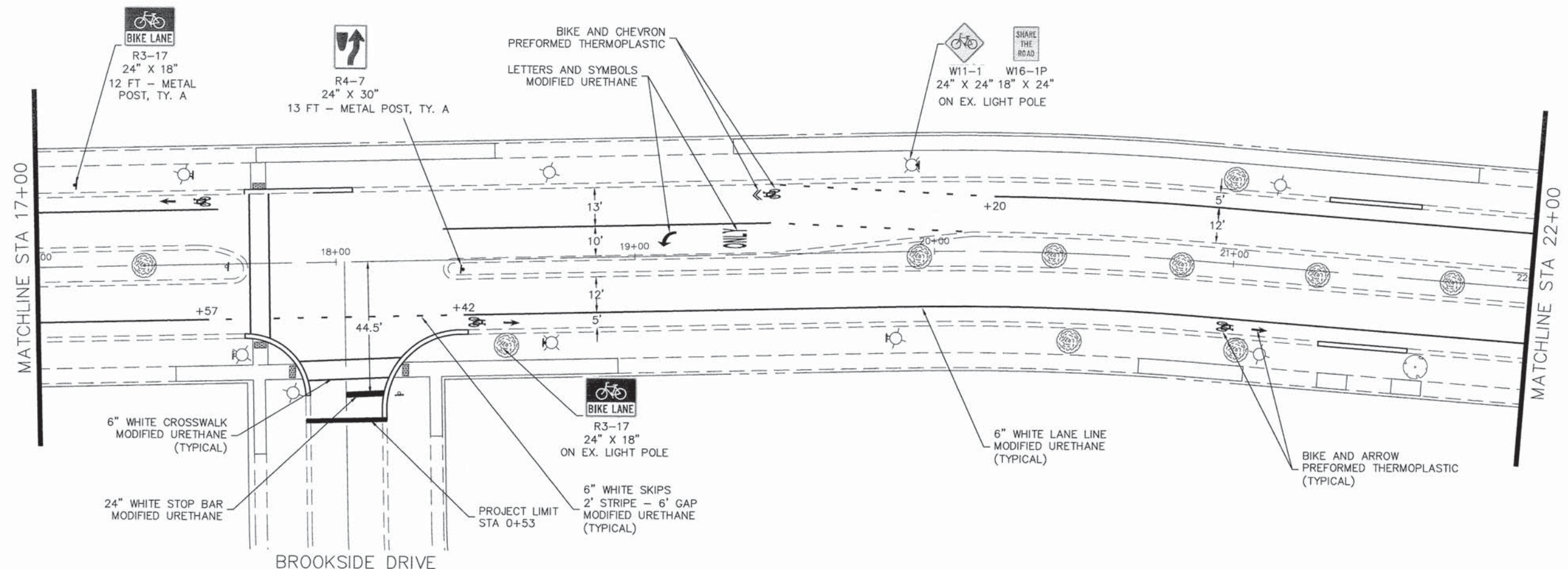
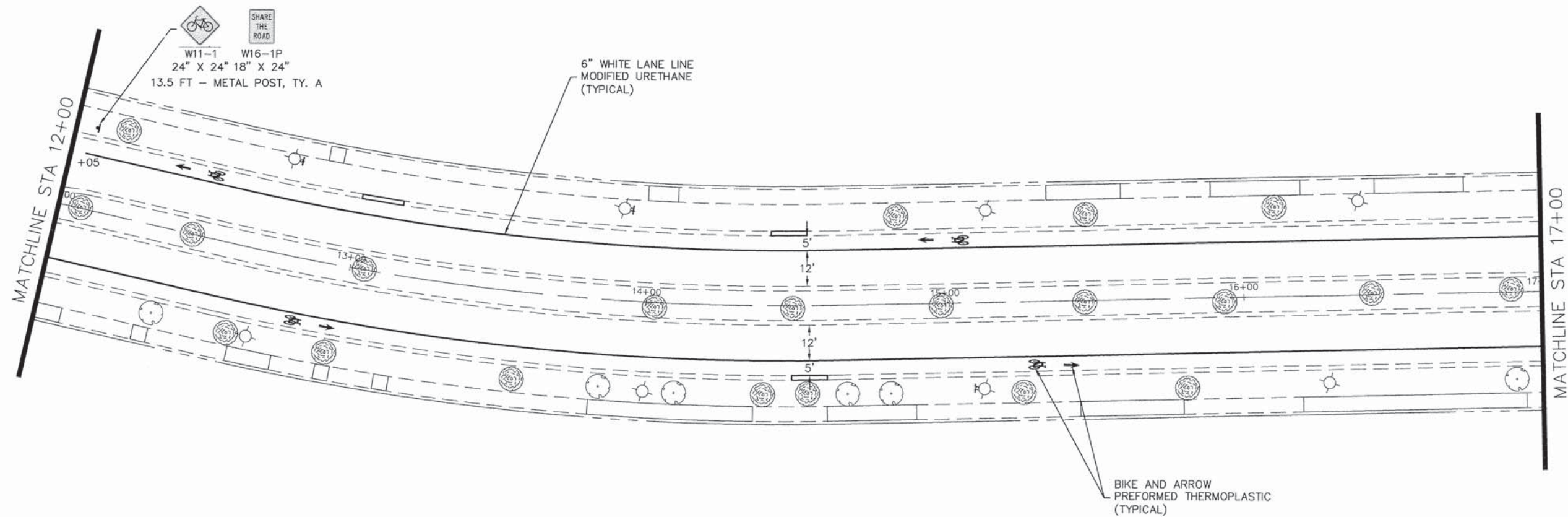
VILLAGE OF
HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Moon Lake Boulevard
 Striping and Signage
 SCALE: 1" = 20' SHEET NO. 1 OF 5 SHEETS STA. 0+00 TO STA 12+00

| | | | | |
|-----------------------|------------------------|-------------|---------------------------------------|--------------|
| F.A.U. RTE. 1105 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 24 | SHEET NO. 39 |
| CONTRACT NO. 61C46 | | | ILLINOIS FED. AID PROJECT M-4003(629) | |



| | | | |
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| PLAN | REVISED | DATE | BY |
| | NOTED | | |
| | ALIGNED | | |
| | CHECKED | | |
| | NO. | | |

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| PROFILE | REVISED | DATE | BY |
| | NOTED | | |
| | CHECKED | | |
| | NO. | | |

VILLAGE OF
HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60189
 Phone Number: 847 252-5800

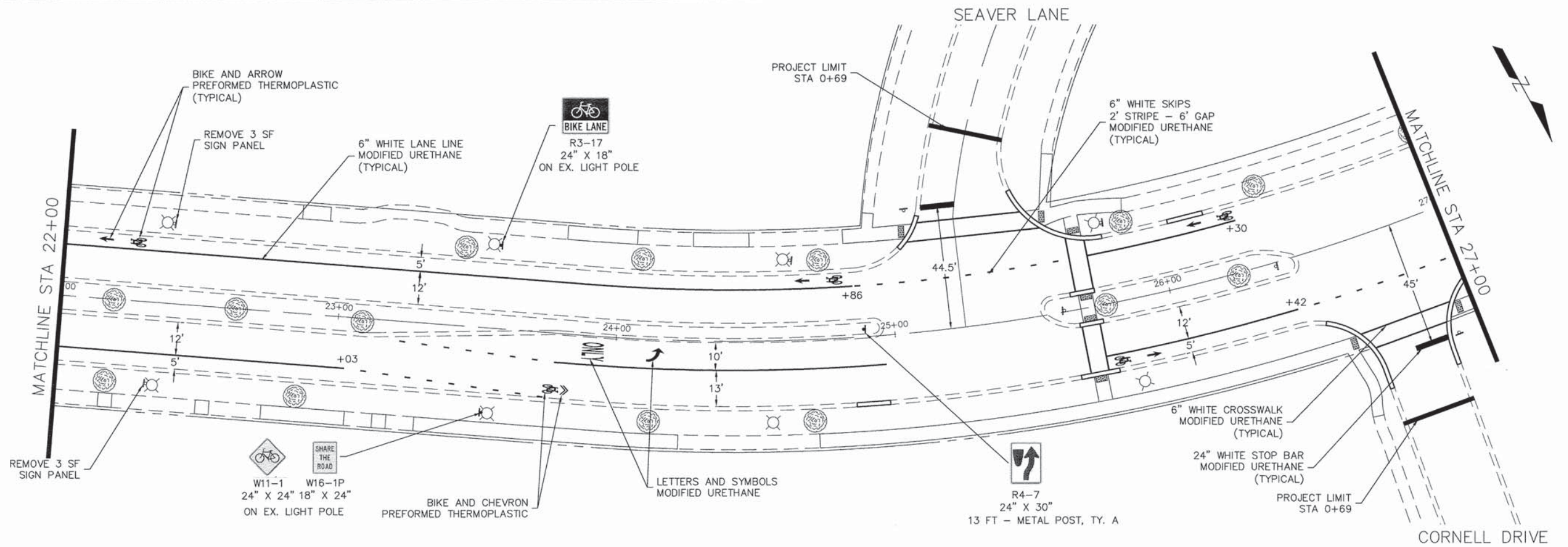
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| DESIGNED - | REVISED - |
| DRAWN - | REVISED - |
| CHECKED - | REVISED - |
| DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

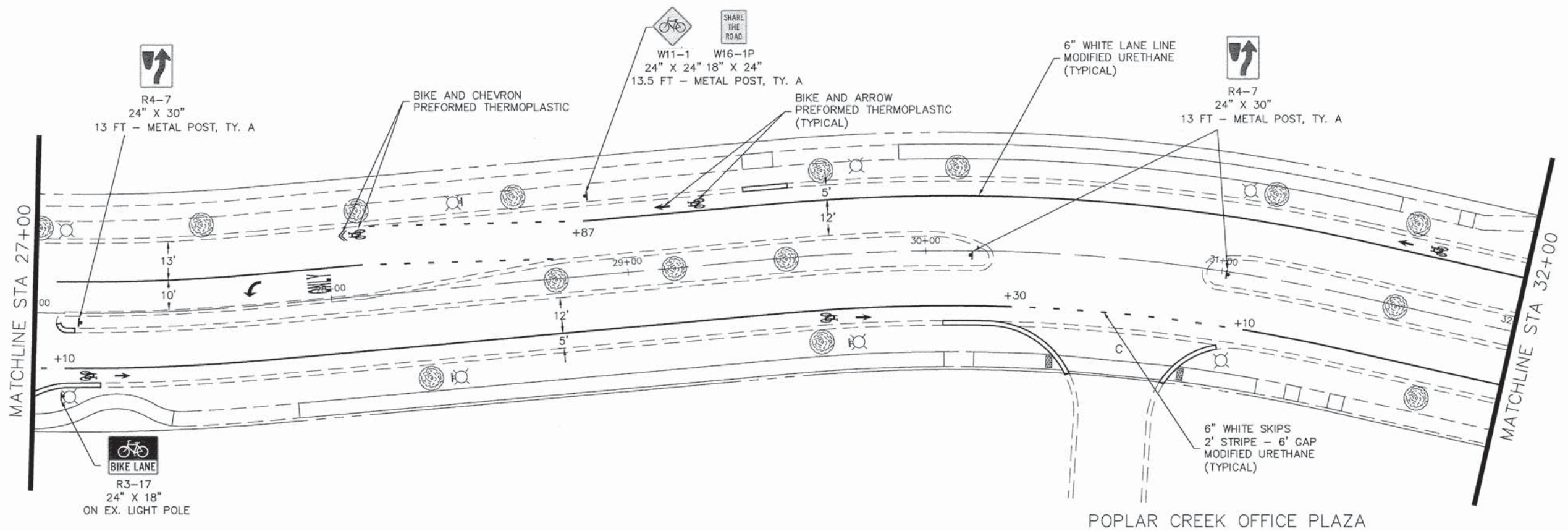
Moon Lake Boulevard
 Striping and Signage
 SCALE: 1" = 20' SHEET NO. 2 OF 5 SHEETS STA. 12+00 TO STA 22+00

| | | | | |
|---------------------------|----------------|--------|-----------------------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1105 2559 | 15-00094-00-RS | COOK | 25 | 39 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 61C46 M-4003(629) | |

| | | |
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| PLAN | SURVEYED | DATE |
| | PLOTTED | DATE |
| | ALIGNMENT CHECKED | DATE |
| | NOTE BOOK | NO. |
| | CAUTION NAME | |



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



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

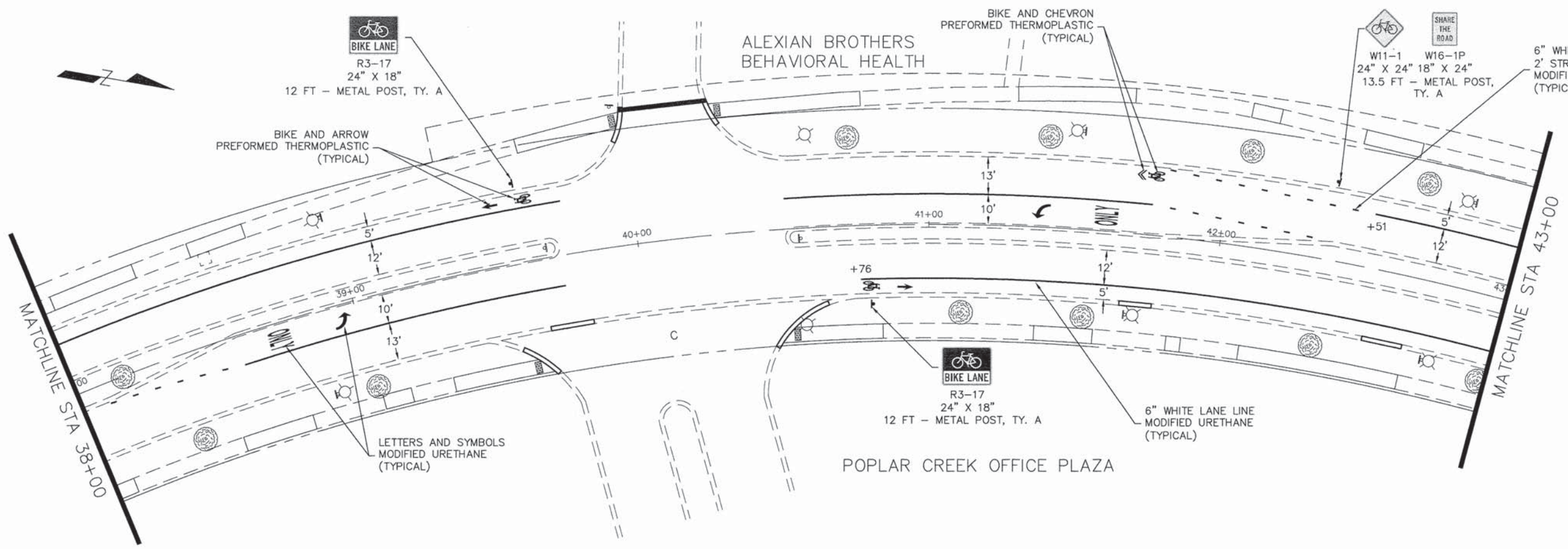
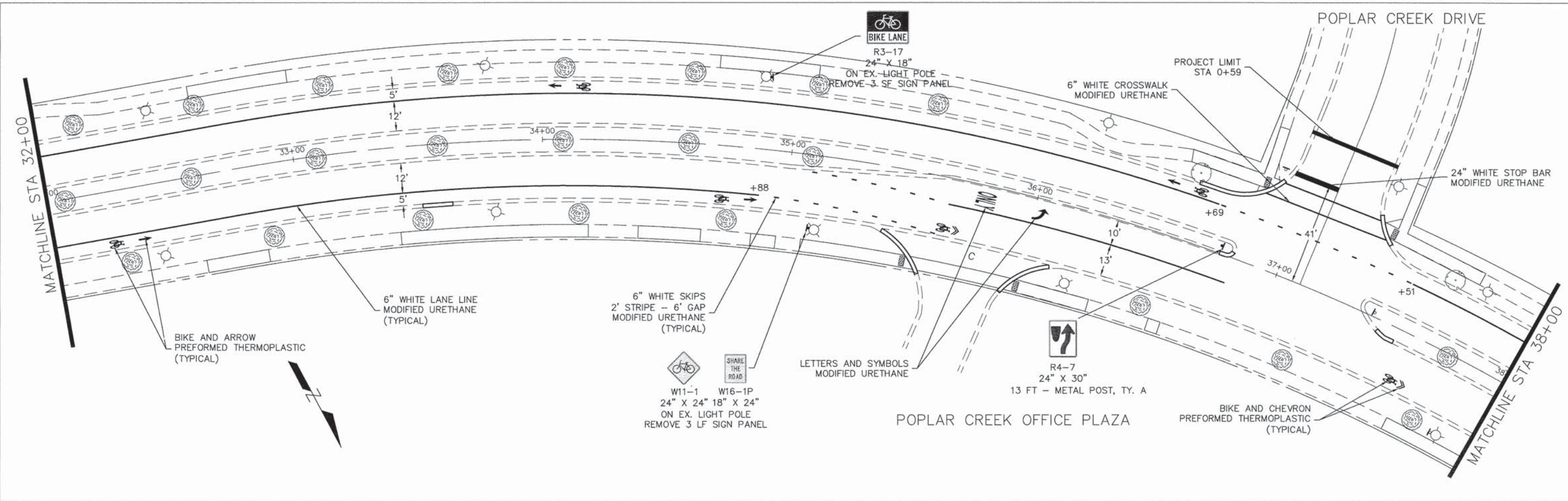
Moon Lake Boulevard
Striping and Signage

SCALE: 1" = 20' SHEET NO. 3 OF 5 SHEETS STA. 22+00 TO STA 32+00

| | | | | |
|---------------------------------------|----------------|--------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1105 2556 | 15-00094-00-RS | COOK | 26 | 39 |
| CONTRACT NO. 61C46 | | | | |
| ILLINOIS FED. AID PROJECT M-4003(629) | | | | |

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| PLAN | SURVEYED | DATE |
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| | PLOTTED | |
| | GRADES | |
| | CHECKED | |
| | STRUCTURE | |
| | NOTATIONS | |
| | CHNO | |



VILLAGE OF
HOFFMAN ESTATES
 1900 Hassell Road, Hoffman Estates, IL 60169
 Phone Number: 847 252-5800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Moon Lake Boulevard
 Striping and Signage

SCALE: 1" = 20' SHEET NO. 4 OF 5 SHEETS STA. 32+00 TO STA 43+00

| | | | | |
|--------------------------------|---------------------------|----------------|--------------------|-----------------|
| F.A.U. RTE. 1108 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 27 | SHEET NO. 39 |
| ILLINOIS FED. AID PROJECT | | | | M-4003(629) |

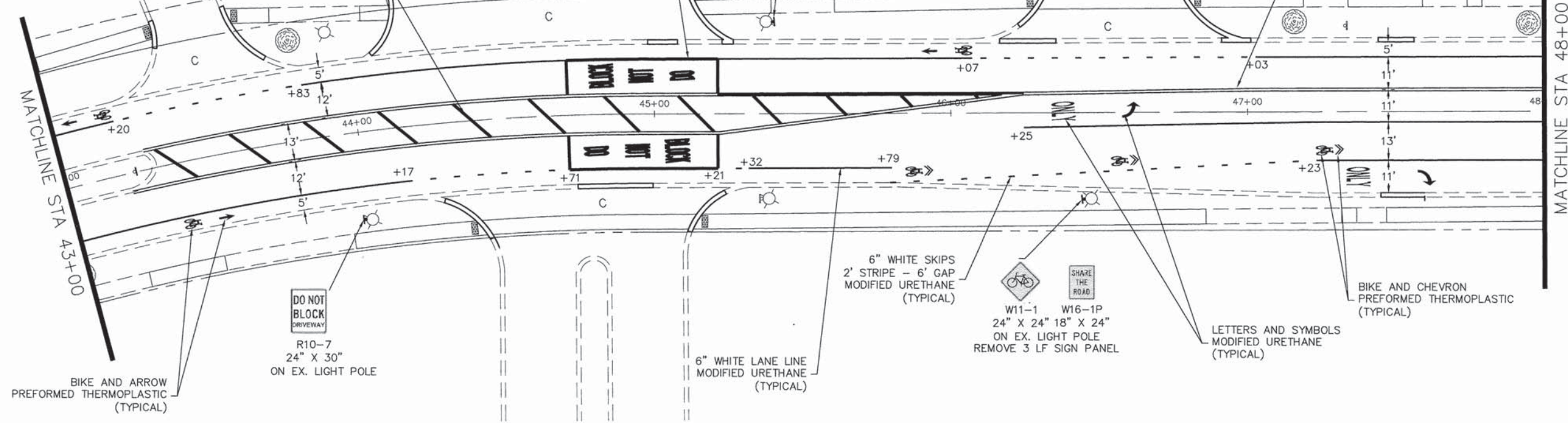
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| PLAN | SURVEYED | PLOTTED | CHECKED |
| | NOTE BOOK | NO. _____ | DATE _____ |

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| PROFILE | SURVEYED | PLOTTED | CHECKED |
| | NOTE BOOK | NO. _____ | DATE _____ |

ALEXIAN BROTHERS BEHAVIORAL HEALTH

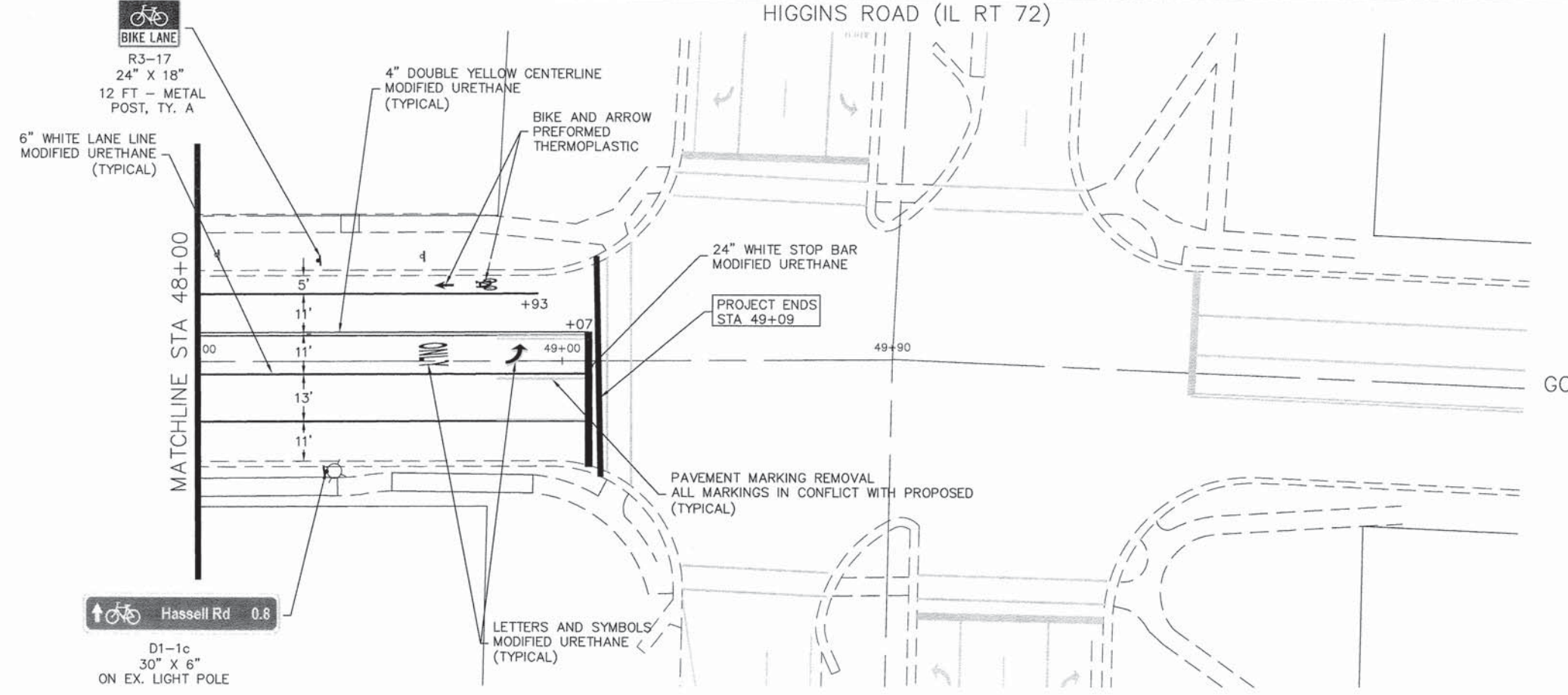
FIRE STATION 22

ALEXIAN BROTHERS MEDICAL PLAZA



HIGGINS ROAD (IL RT 72)

GOVERNORS LANE



VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Moon Lake Boulevard
Striping and Signage

SCALE: 1" = 20' SHEET NO. 5 OF 5 SHEETS STA. 43+00 TO STA 49+90

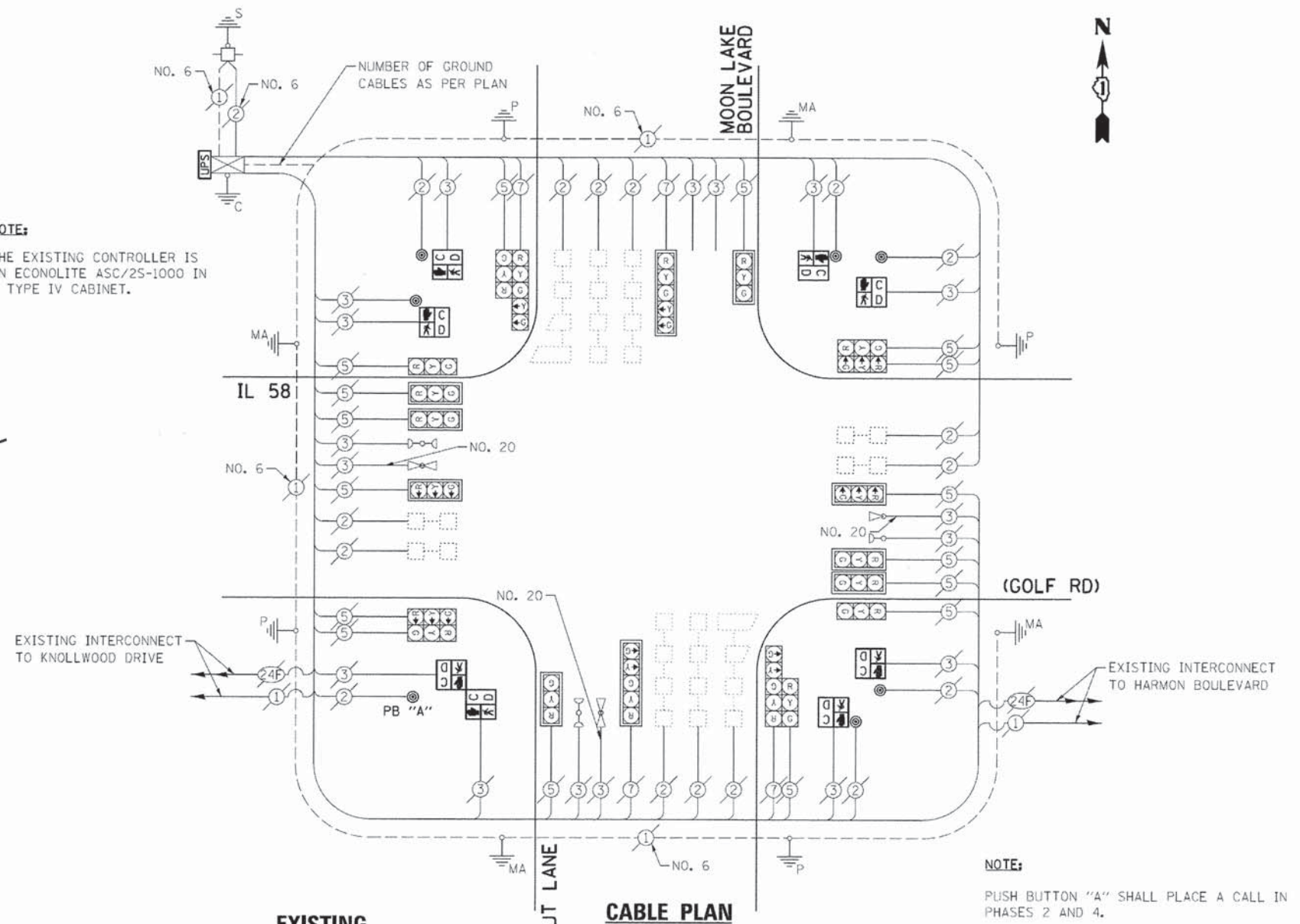
| | | | | |
|-----------------------|------------------------|-------------|---------------------------------------|--------------|
| F.A.U. RTE. 1105 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 28 | SHEET NO. 39 |
| CONTRACT NO. 61C46 | | | ILLINOIS FED. AID PROJECT M-4003(629) | |

SCHEDULE OF QUANTITIES
IL 58 (GOLF RD) AT MOON LAKE BOULEVARD / WALNUT LANE

| NO. | QUANT. | UNIT | DESCRIPTION |
|-----|--------|------|---|
| 1. | 1 | EACH | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION |
| 2. | 6 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 3. | 1 | EACH | PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER |
| 4. | 1 | EACH | MODIFY EXISTING CONTROLLER CABINET |
| 5. | 1 | EACH | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT |
| 6. | 1 | EACH | UNINTERRUPTIBLE POWER SUPPLY, SPECIAL |
| 7. | 7 | EACH | PEDESTRIAN PUSH-BUTTON, NON-LATCHING |

NOTE:
THE EXISTING CONTROLLER IS AN ECONOLITE ASC/25-1000 IN A TYPE IV CABINET.

FOR INFORMATION ONLY



NOTE:
PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 6 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 1 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 7 EACH PEDESTRIAN PUSH-BUTTON

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS | | | | | TOTAL WATTAGE |
|--|-----------|-----------------|----------------|-----------|---------------|
| TYPE | NO. LAMPS | WATTAGE INCAND. | WATTAGE L.E.D. | OPERATION | |
| SIGNAL (RED) | 20 | 135 | 17 | 0.50 | 170.0 |
| SIGNAL (YELLOW) | 20 | 135 | 25 | 0.25 | 125.0 |
| SIGNAL (GREEN) | 20 | 135 | 15 | 0.25 | 75.0 |
| ARROW | 8 | 135 | 12 | 0.10 | 9.2 |
| PED. SIGNAL | 8 | 90 | 25 | 1.00 | 200.0 |
| CONTROLLER | 1 | - | 100 | 1.00 | 100.0 |
| LUMINAIRE | - | - | 250 | 0.50 | - |
| L.E.D. ST. NAME SIGN | - | - | 64 | 0.50 | - |
| VIDEO SYSTEM | - | - | 150 | 1.00 | - |
| BATTERY BACKUP | 1 | - | 25 | 1.00 | 25.0 |
| ILLUMINATED SIGN | - | - | 25 | 0.05 | - |
| TOTAL = | | | | | 704.2 |

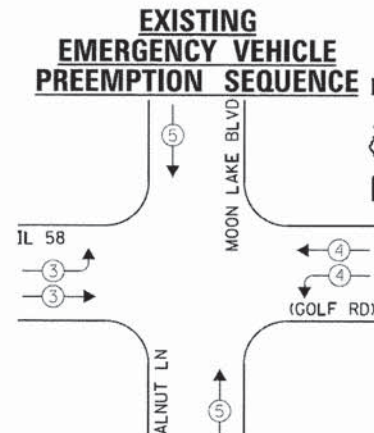
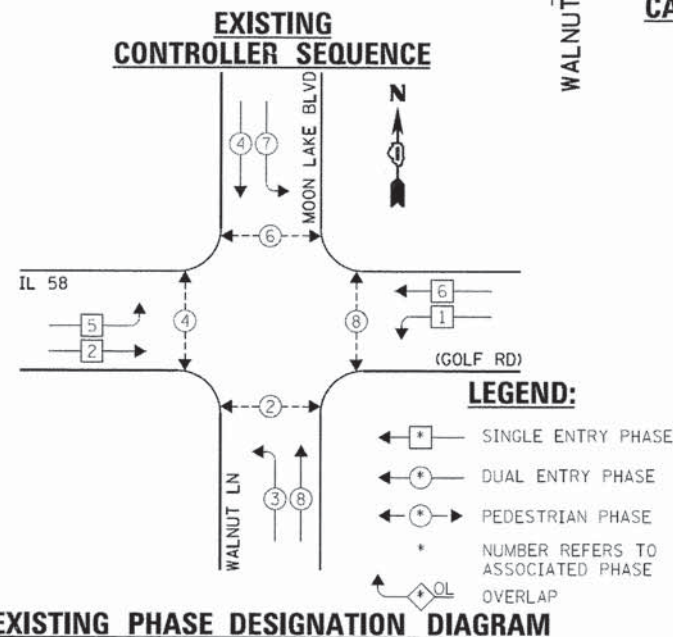
AS - BUILTS

JOHN BURNS CONSTRUCTION CO.

Date: 10/6/14

By: Ryan Bol

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



| EXISTING EMERGENCY VEHICLE PREEMPTORS | | | | |
|---------------------------------------|---|---|---|---|
| EMERGENCY VEHICLE PREEMPTOR | 3 | 4 | 5 | |
| MOVEMENT | ← | → | ↑ | ↓ |

FILE NAME = D:\88w38-043.dgn
Default

USER NAME = gwhstan
PLOT SCALE = 1:20
PLOT DATE = 5/9/2013

DESIGNED - JRD
DRAWN - GW3
CHECKED - KLB
DATE - 05/10/13

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM, & EMERGENCY VEHICLE PREEMPTION SEQUENCE
IL 58 (GOLF RD) AT MOON LAKE BOULEVARD / WALNUT LANE

SCALE: SHEET OF SHEETS STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------------|----------------|--------|---------------|-----------|
| 1105 2999 | 15-00094-00-RS | COOK | 29 | 39 |
| CONTRACT NO. 61C46 | | | GHA #4085.889 | |
| ILLINOIS FED. AID PROJECT M-4003(629) | | | | |

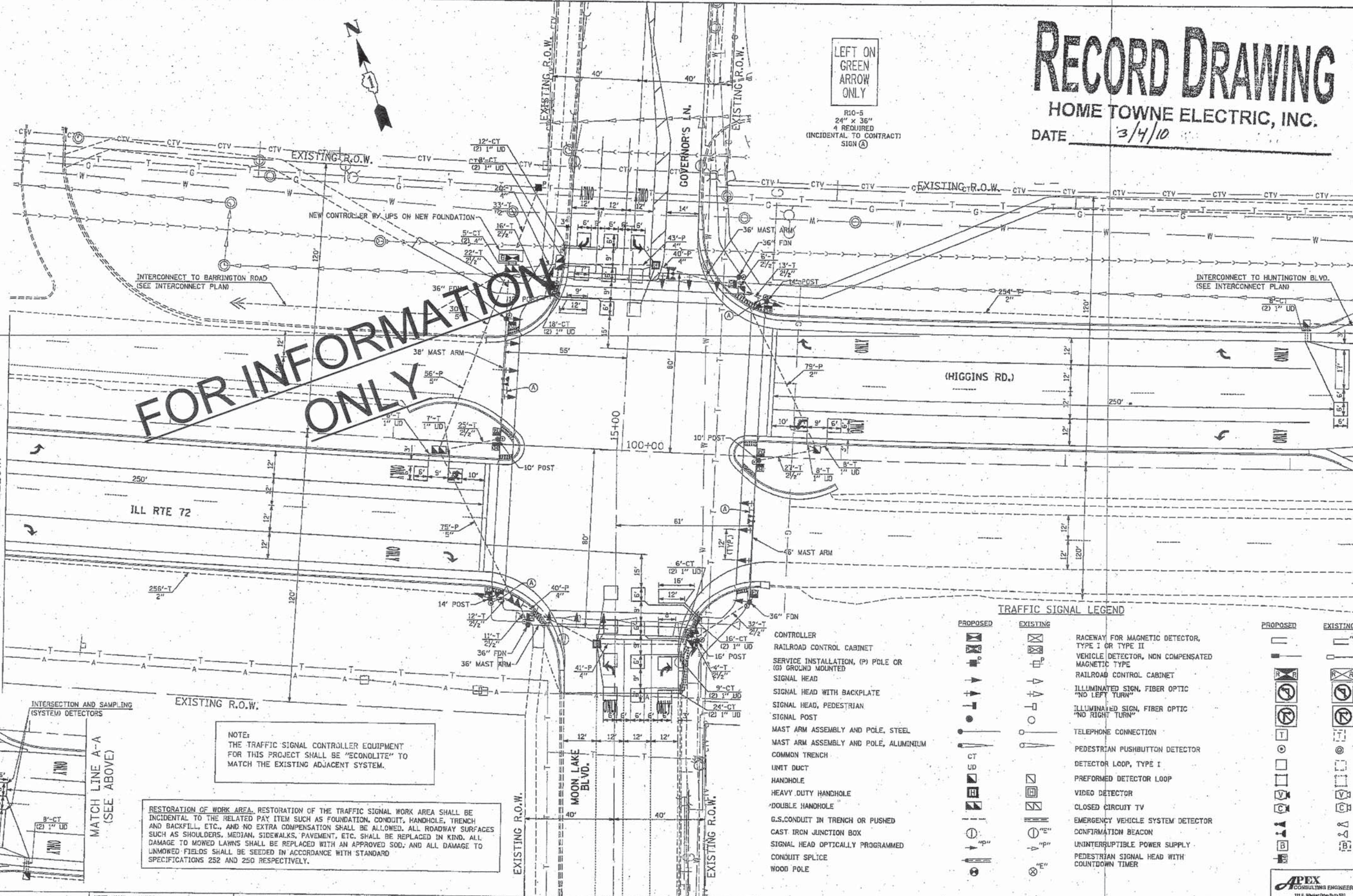
RECORD DRAWING

HOME TOWNE ELECTRIC, INC.
DATE 3/4/10



LEFT ON GREEN
ARROW
ONLY

R10-5
24" x 36"
4 REQUIRED
(INCIDENTAL TO CONTRACT)
SIGN (A)



FOR INFORMATION ONLY

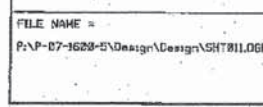
MATCH LINE A-A (SEE BELOW)

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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

TRAFFIC SIGNAL LEGEND

- | PROPOSED | EXISTING | PROPOSED | EXISTING |
|----------|----------|----------|----------|
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INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

FILE NAME: P:\P-07-1628-5\Design\Design\SHR11106N
USER NAME: #USER#
PLOT SCALE: 28,800 / 1 IN.
PLOT DATE: 3/17/2009

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|-------------------|-----------|
| DESIGNED - NB/TCM | REVISED - |
| DRAWN - NB/TCM | REVISED - |
| CHECKED - NB/TCM | REVISED - |
| DATE - 03/18/2009 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

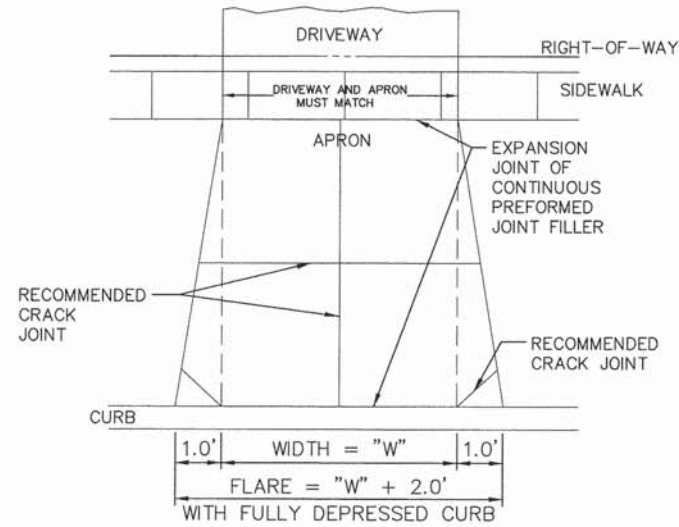
PROPOSED TRAFFIC SIGNAL PLAN
ILL RTE 72 (HIGGINS RD.) AT MOON LAKE ROAD /GOVERNOR'S LN.
SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|-----------------------|---------------------------|--------------------|-----------------|--------------|
| F.A.P. RTE. 1105 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 30 | SHEET NO. 39 |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT | CONTRACT NO. 61C46 | | |

APEX CONSULTING ENGINEERS, LLC
111 E. Wacker Drive Suite 520
Chicago, IL 60601

| | | |
|------|----------|------|
| PLAN | DESIGNED | DATE |
| | BY | |
| | CHECKED | |
| | DATE | |
| | BY | |
| | CHECKED | |
| | DATE | |

| | | |
|---------|----------|------|
| PROFILE | DESIGNED | DATE |
| | BY | |
| | CHECKED | |
| | DATE | |
| | BY | |
| | CHECKED | |
| | DATE | |

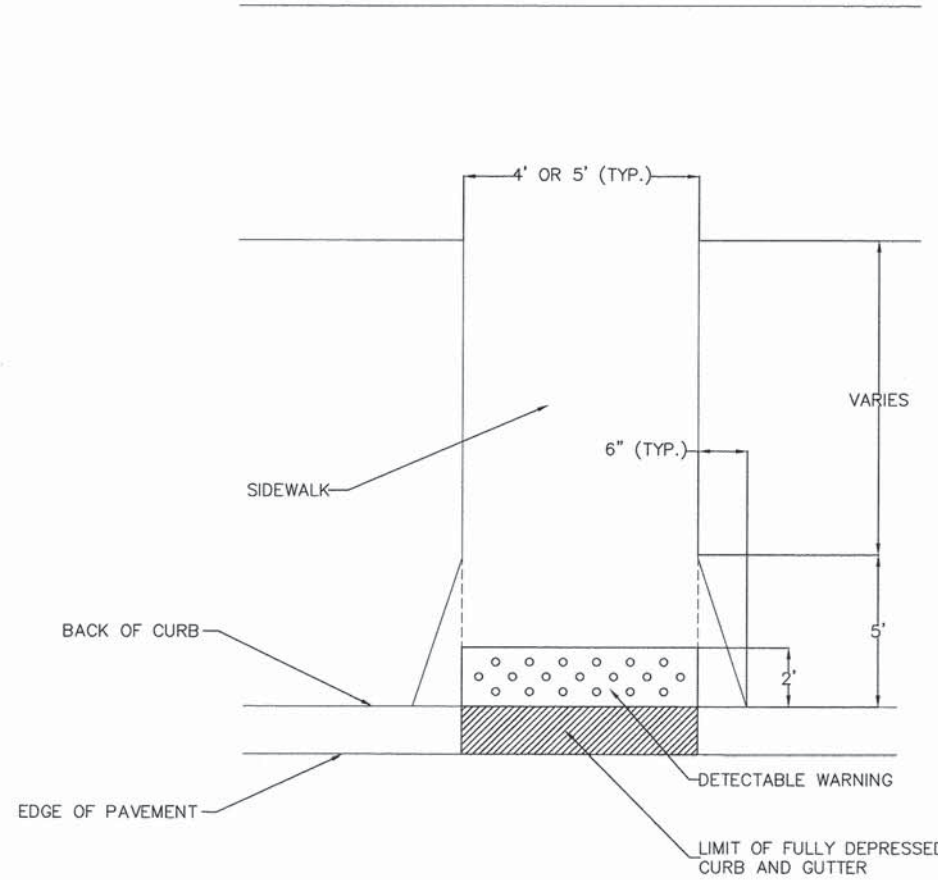


NOTE: MINIMUM WIDTH, "W" = 10', MINIMUM FLARE = 12'
 MAXIMUM WIDTH, "W" = 28', MAXIMUM FLARE = 30'

NOTES:

- CONCRETE
1. THE APRON SHALL CONSIST OF 6" CONCRETE OVER 4" CA-6 CRUSHED STONE OR GRAVEL
 2. CONCRETE TO BE IDOT APPROVED MIX, MIN. 3500 PSI COMPRESSIVE STRENGTH WITH SYNTHETIC FIBERS
 3. CONCRETE MUST BE CURED IN ACCORDANCE WITH CONTRACT SPECIFICATIONS
- ASPHALT
1. THE RESIDENTIAL APRON SHALL CONSIST OF 3" ASPHALT OVER 8" CA-6 CRUSHED STONE OR GRAVEL.
 2. THE COMMERCIAL APRON SHALL CONSIST OF 5" ASPHALT OVER 10" CA-6 CRUSHED STONE OR GRAVEL.

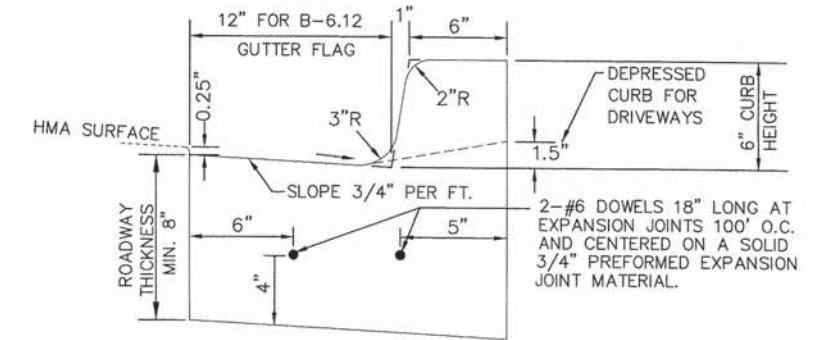
APRON DETAIL



NOTES:

1. DETECTABLE WARNING PLACEMENT AND SIDEWALK/RAMP SLOPE SHALL FOLLOW IDOT STANDARDS 424001 AND 424006
2. DETECTABLE WARNING TO MATCH FULL WIDTH OF APPROACH SIDEWALK, MINIMUM 4 FEET.

SIDEWALK RAMP DETAIL



TYPE B6.12 CURB AND GUTTER

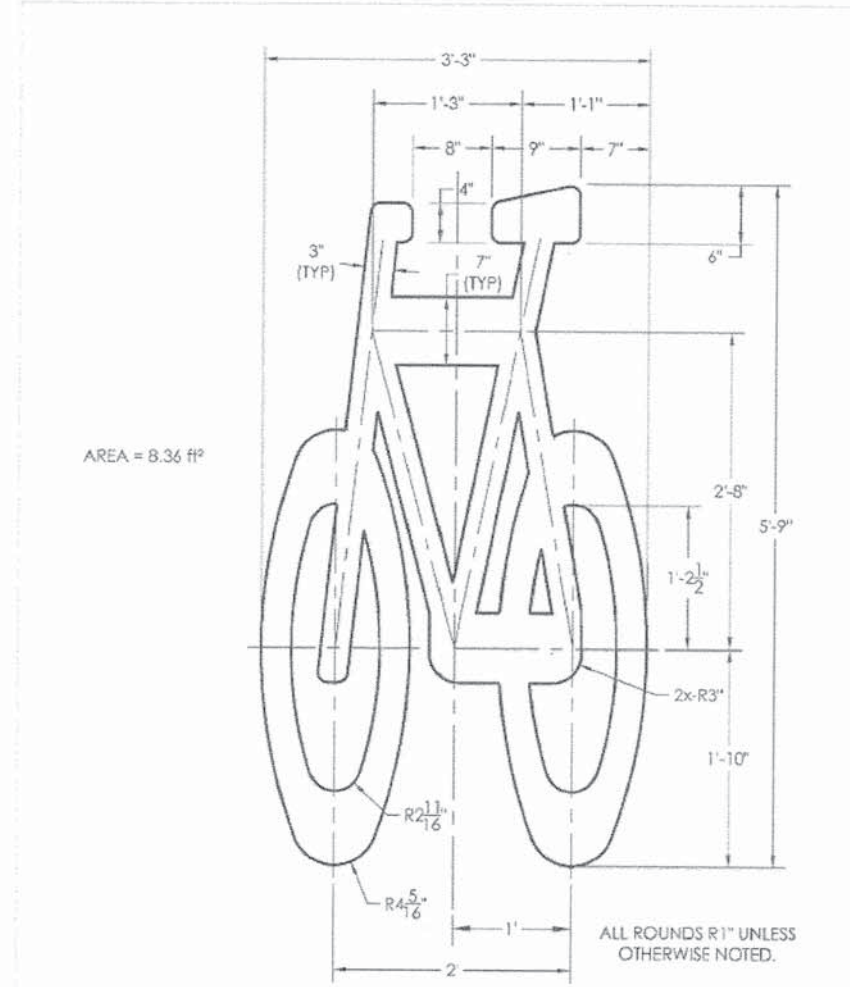
NOTES:

1. THE CURB SHALL BE DEPRESSED AT ALL APRONS AND ACROSS ALL SIDEWALK RAMPING IN ACCORDANCE WITH PROJECT DETAILS AND ADA GUIDELINES.
2. CONTRACTION JOINTS TO BE TOOLED OR SAWCUT EVERY 15' TO A DEPTH OF 1.5".
3. EXPANSION JOINTS SHALL BE PROVIDED AT THE BEGINNING AND END OF ALL RETURN RADII, 5 FEET EITHER SIDE OF A DRAINAGE STRUCTURE, AT THE END OF A DAY'S POUR, AND/OR AT SPACING NOT TO EXCEED 100 FEET.

CURB AND GUTTER DETAIL

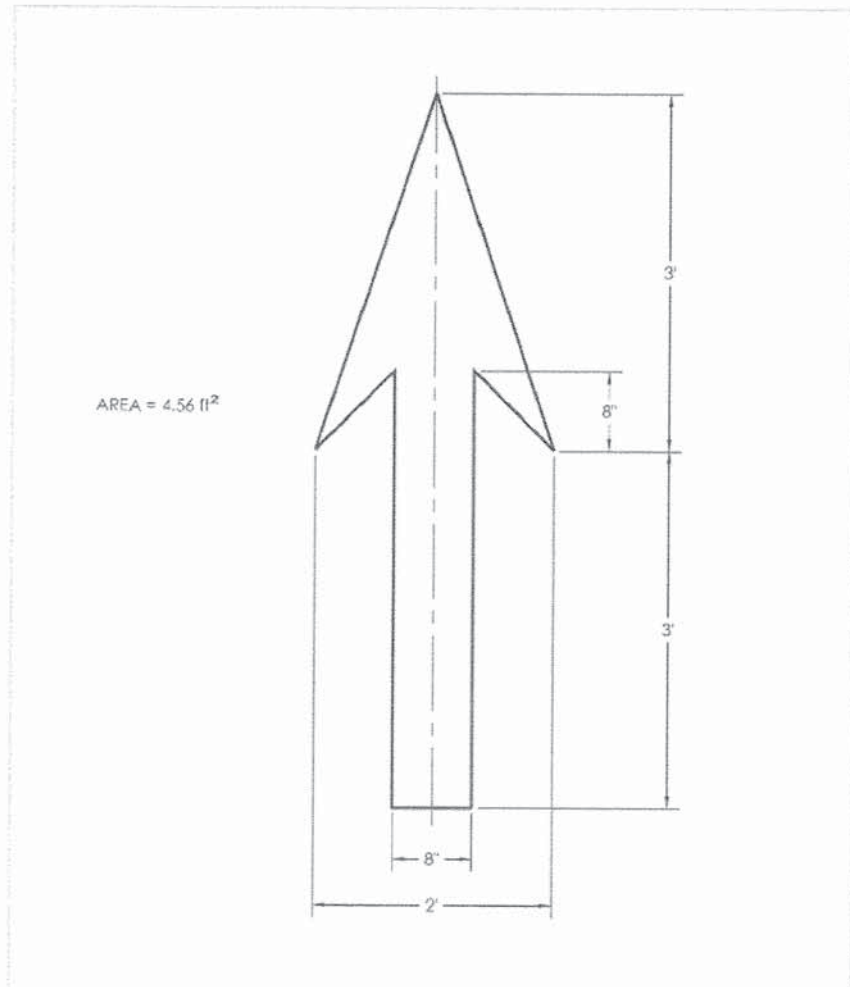
| | | |
|------|--------------------|------|
| PLAN | SURVEYED | DATE |
| | ALIGNED | BY |
| | CHECKED | |
| | NO. OF PLY CHECKED | |
| | NO. | |
| | SUBFILE NAME | |

| | | |
|---------|------|----|
| PROFILE | DATE | BY |
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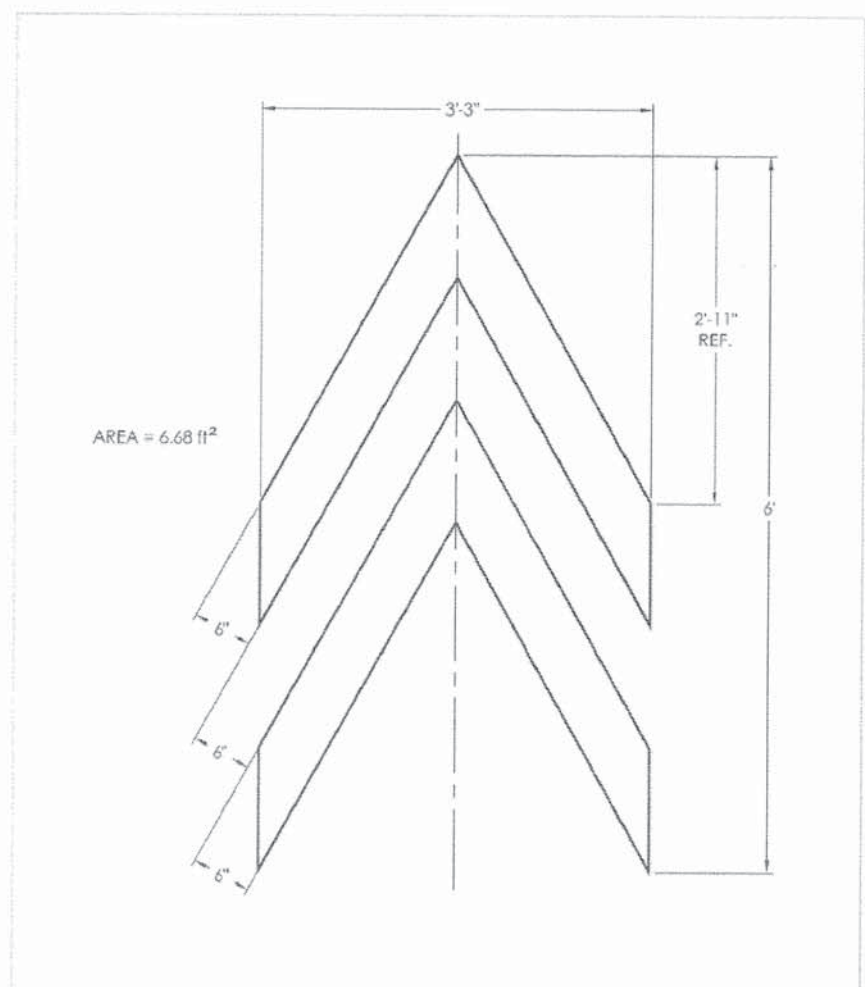
AREA = 8.36 ft²

| | | | |
|--|----------|-------------|-----------------|
| CDOT CHICAGO DEPARTMENT OF TRANSPORTATION | DATE | REVISION | CITY OF CHICAGO |
| | | | 6' BIKE SYMBOL |
| | DATE | | DRAWN BY |
| | 06/25/12 | SHEET A-7-2 | CDOT |



AREA = 4.56 ft²

| | | | |
|--|----------|-------------|-----------------|
| CDOT CHICAGO DEPARTMENT OF TRANSPORTATION | DATE | REVISION | CITY OF CHICAGO |
| | | | BIKE ARROW |
| | DATE | | DRAWN BY |
| | 06/25/12 | SHEET A-7-4 | CDOT |



AREA = 6.68 ft²

| | | | |
|--|----------|-------------|-----------------|
| CDOT CHICAGO DEPARTMENT OF TRANSPORTATION | DATE | REVISION | CITY OF CHICAGO |
| | | | BIKE CHEVRON |
| | DATE | | DRAWN BY |
| | 06/25/12 | SHEET A-7-6 | CDOT |

VILLAGE OF
HOFFMAN ESTATES
1900 Hassell Road, Hoffman Estates, IL 60169
Phone Number: 847 252-5800

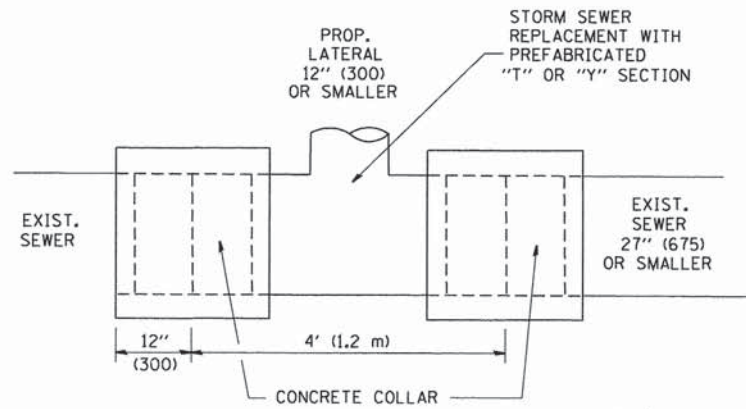
| | |
|------------|-----------|
| DESIGNED - | REVISED - |
| DRAWN - | REVISED - |
| CHECKED - | REVISED - |
| DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Hillcrest Boulevard-Moon Lake Boulevard
VOHE Details

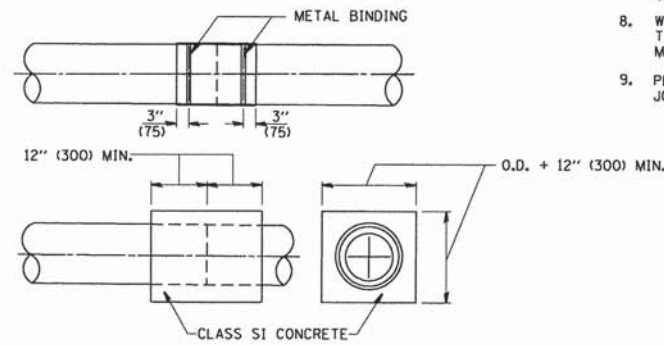
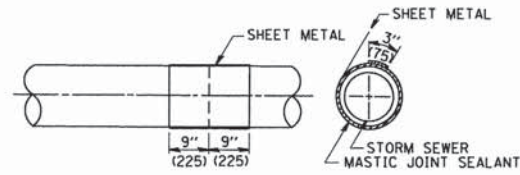
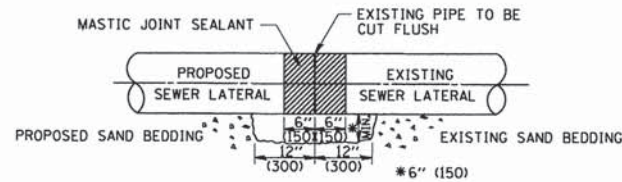
SHEET NO. 1 OF 2 SHEETS

| | | | | |
|---------------------------------------|----------------|--------|--------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1105 2359 | 15-00094-00-RS | COOK | 32 | 39 |
| | | | CONTRACT NO. 61C46 | |
| ILLINOIS FED. AID PROJECT M-4003(629) | | | | |



DETAIL "A"

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

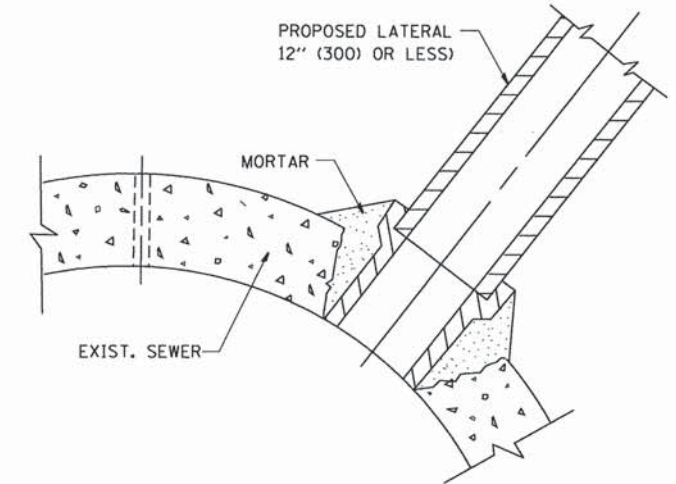


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

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.

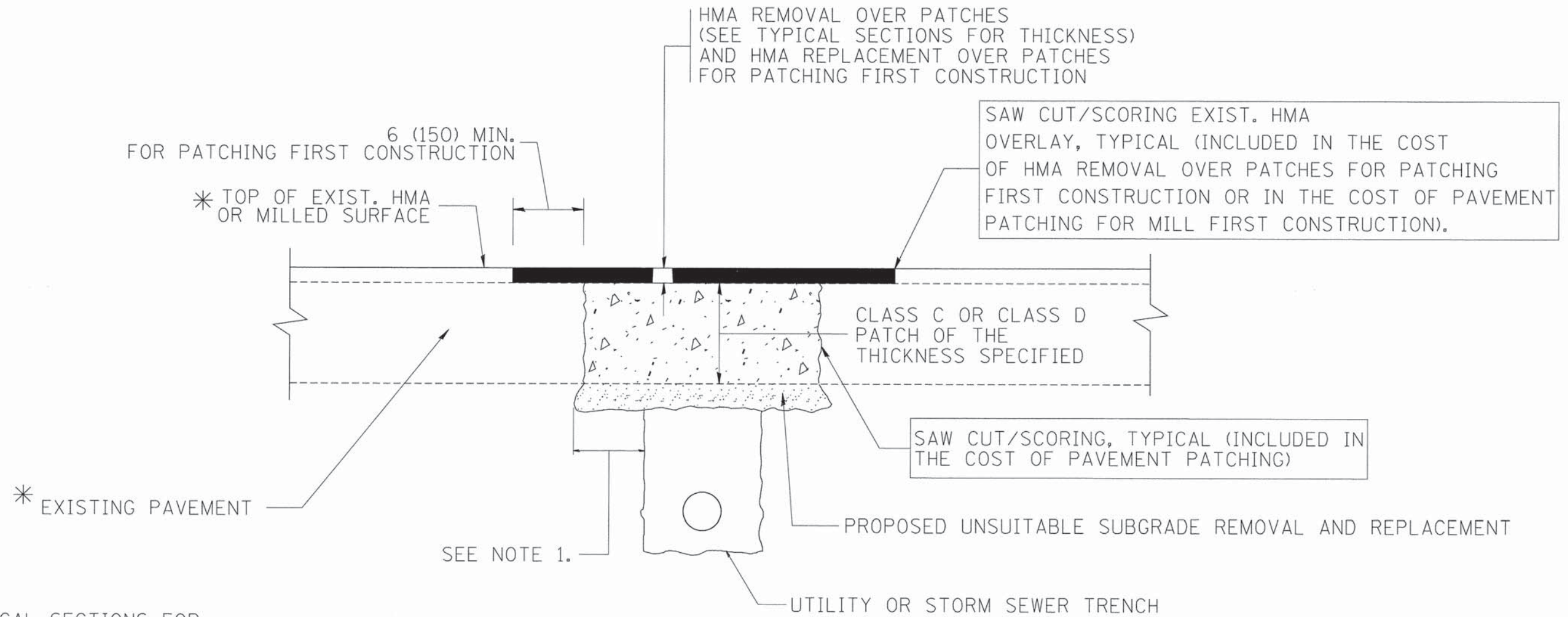
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

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.

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

| | | | | | | | | | | |
|---|----------------------------|----------------------------|-------------------------------|---|---|---------------------|---|-------------|-----------------|--------------|
| FILE NAME = W:\distrstd\22x34\bd07.dgn | USER NAME = goglionobt | 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. RTE. 1105 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 33 | SHEET NO. 39 |
| | PLOT SCALE = 50,000' / IN. | CHECKED - | REVISED - R. SHAH 09-09-94 | | | BD500-01 (BD-7) | CONTRACT NO. 61C46 | | | |
| PLOT DATE = 1/4/2000 | DATE - 07-25-90 | REVISED - R. SHAH 10-25-94 | 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 M-4003(629) | | | |



* 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.

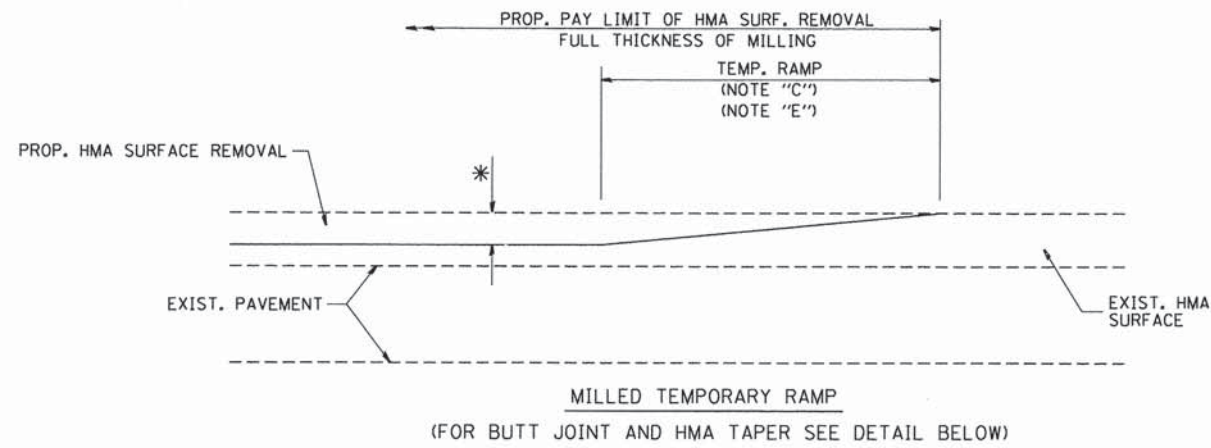
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

| | | | |
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| FILE NAME = c:\projects\diststd22x34\bd22.dgn | USER NAME = beurd1 | DESIGNED - R. SHAH | REVISED - A. ABBAS 04-27-98 |
| | | DRAWN - | REVISED - R. BORO 01-01-07 |
| | PLOT SCALE = 50.000' / IN. | CHECKED - | REVISED - R. BORO 09-04-07 |
| | PLOT DATE = 10/27/2008 | DATE - 10-25-94 | REVISED - K. ENG 10-27-08 |

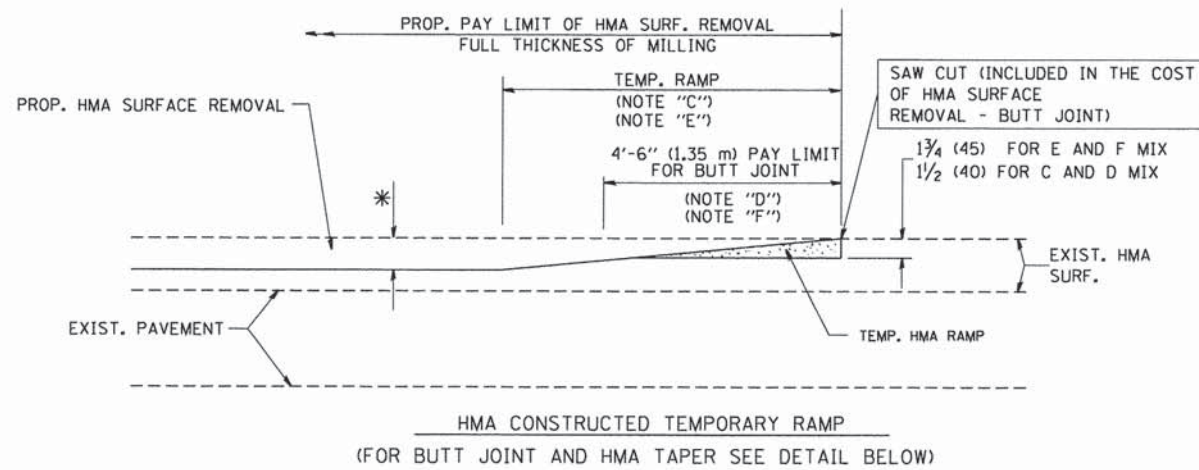
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | |
|--|-------------------------|--------------|
| PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT | | |
| SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. TO STA. |

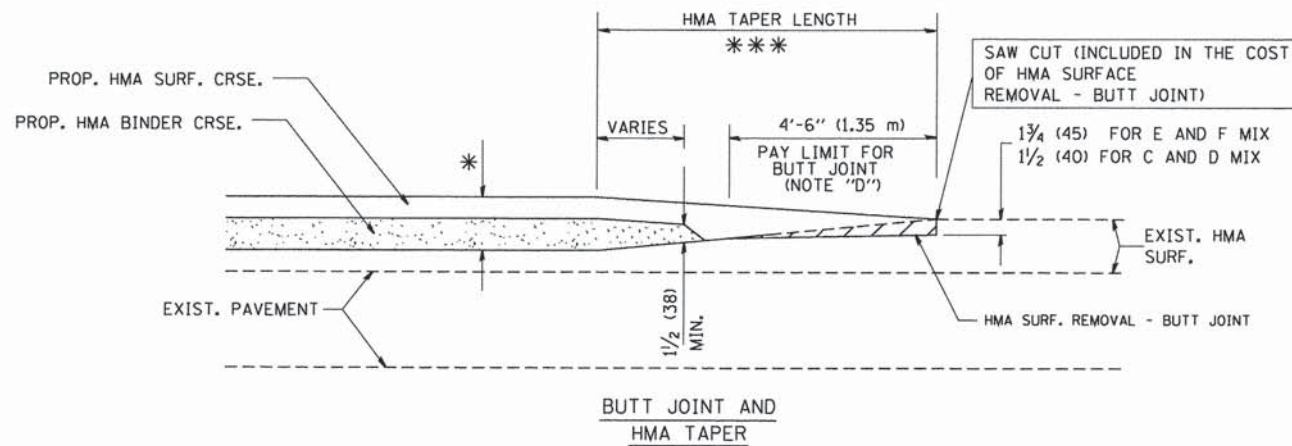
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| F.A. RTE. 1105 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 34 | SHEET NO. 39 |
| BD400-04 (BD-22) | | CONTRACT NO. 61C46 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(629) | | | | |



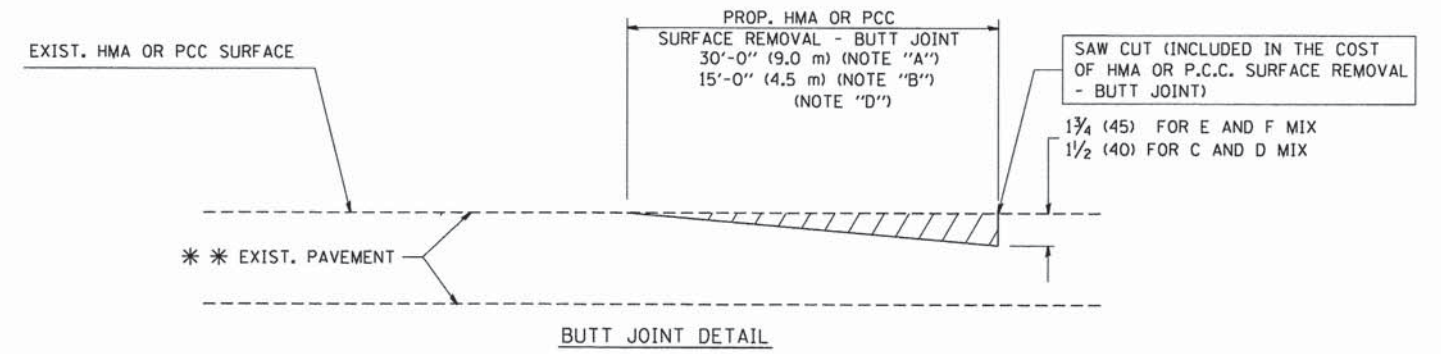
OPTION 1



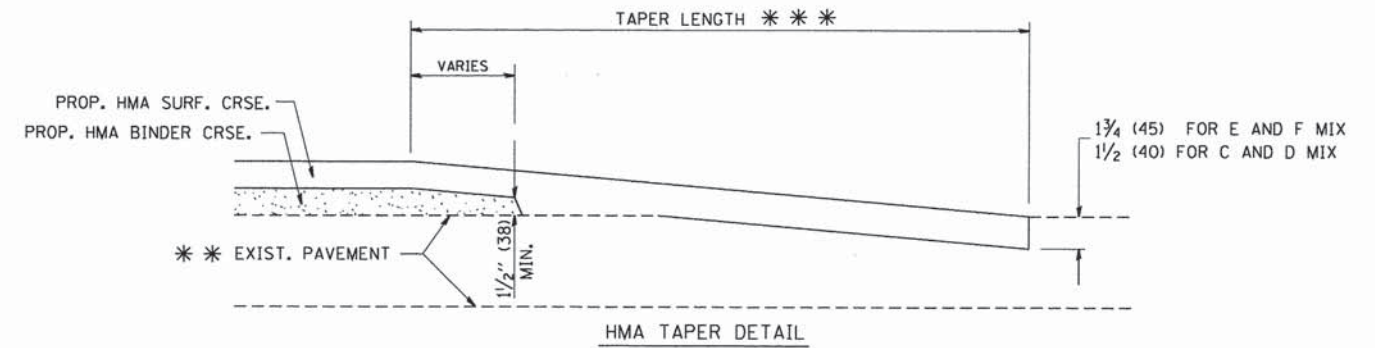
**OPTION 2
TYPICAL TEMPORARY RAMP**



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



BUTT JOINT DETAIL



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

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

NOTES

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

BASIS OF PAYMENT:

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

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

FILE NAME = W:\distatd\22x34\bd32.dgn

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PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 06-13-90

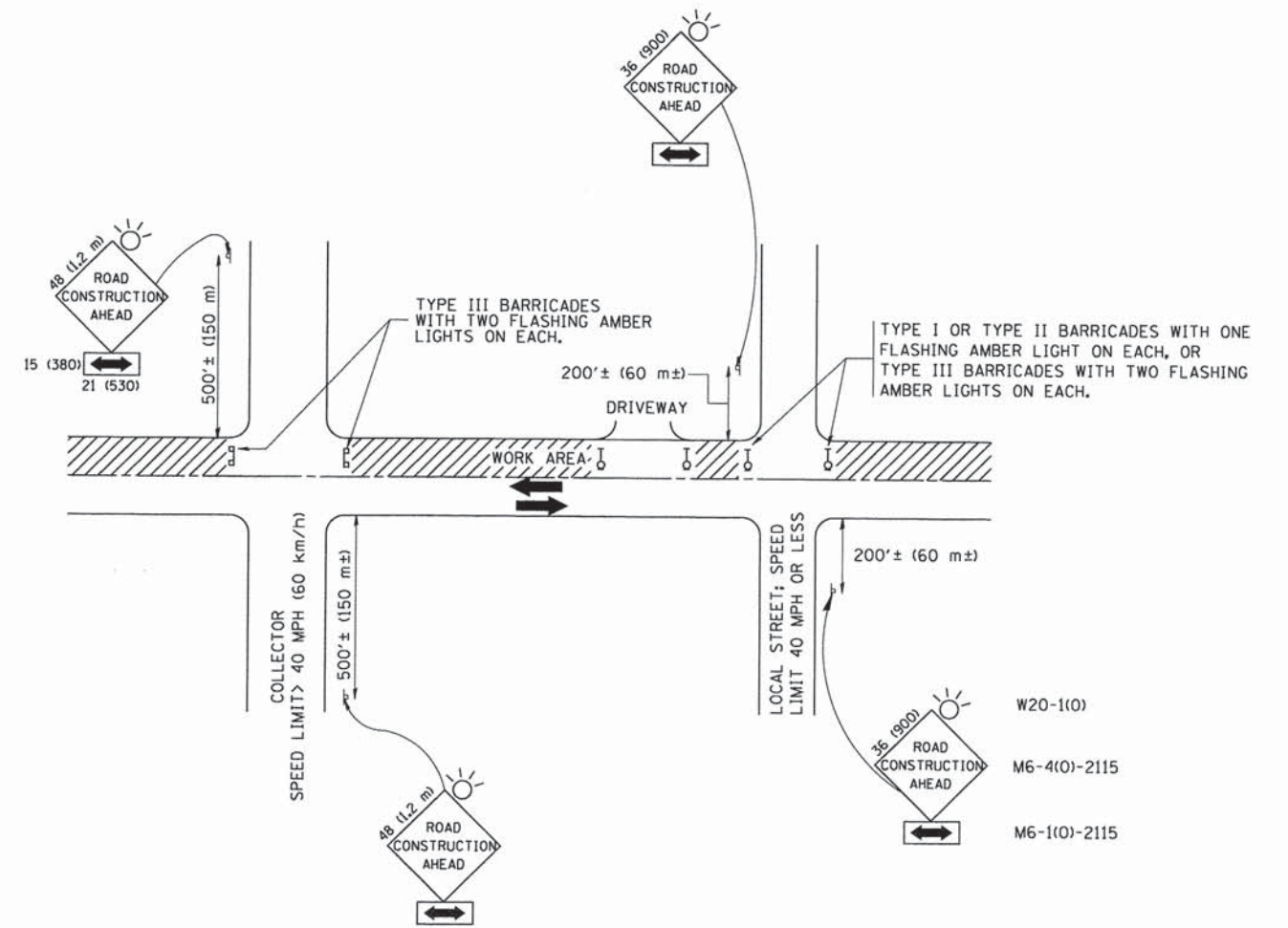
REVISED - R. SHAH 10-25-94
REVISED - A. ABBAS 03-21-97
REVISED - M. GOMEZ 04-06-01
REVISED - R. BORO 01-01-07

**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. RTE. 1105 2559 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 35 | SHEET NO. 39 |
| BD400-05 BD32 | | CONTRACT NO. 61C46 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(629) | | | | |



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

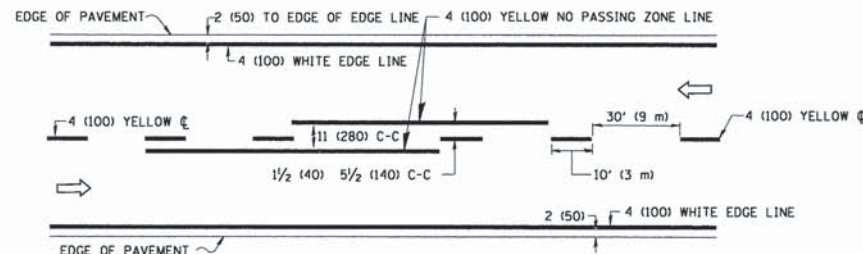
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| | | DRAWN - | REVISED - A. HOUSEH 03-06-96 |
| | | CHECKED - | REVISED - A. HOUSEH 10-15-96 |
| | | DATE - 06-89 | REVISED - T. RAMMACHER 01-06-00 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

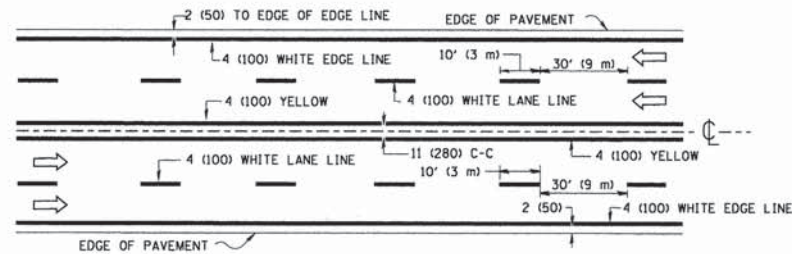
TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

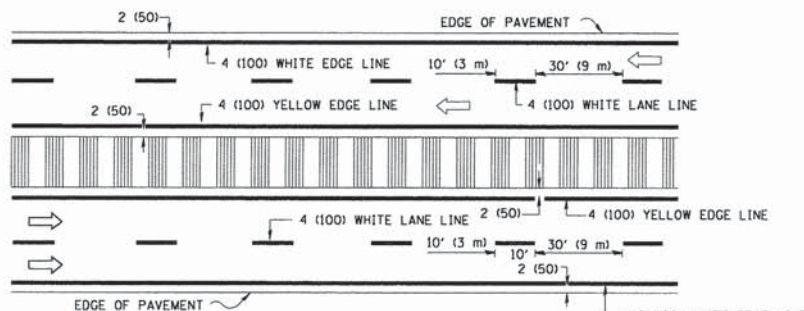
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| F.A. RTE. - 1105 2556 | SECTION 15-00094-00-RS | COUNTY COOK | TOTAL SHEETS 36 | SHEET NO. 39 |
| TC-10 | | CONTRACT NO. 61C46 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(629) | | | | |



2-LANE ROADWAY

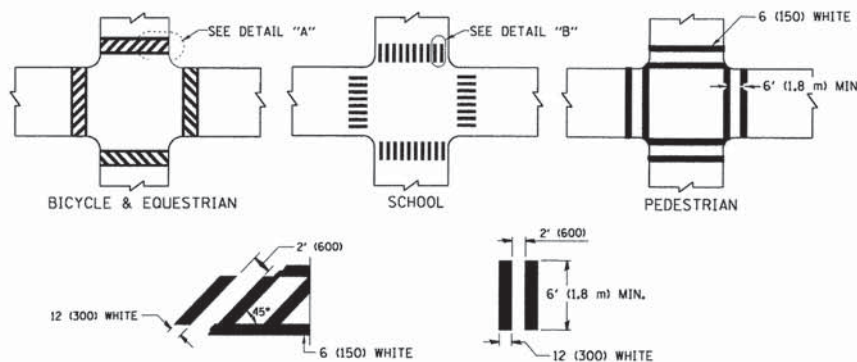


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

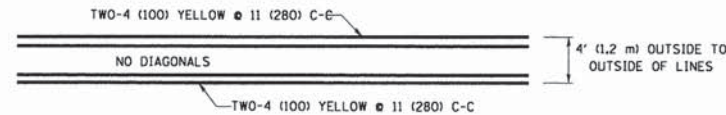


DETAIL "A"

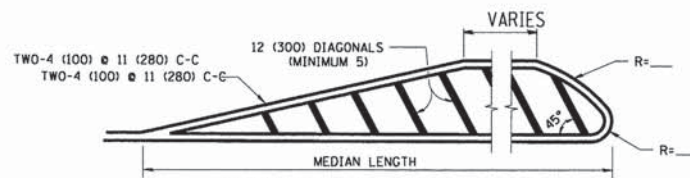
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

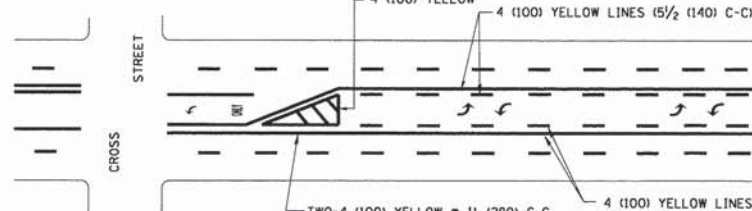


4' (1.2 m) WIDE MEDIANS ONLY



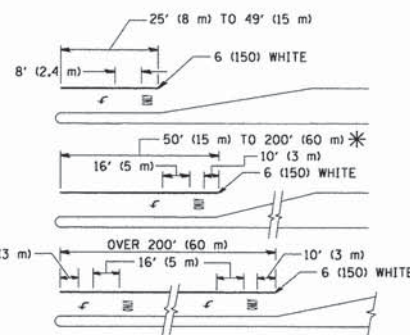
MEDIANS OVER 4' (1.2 m) WIDE

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



MEDIAN WITH TWO-WAY LEFT TURN LANE

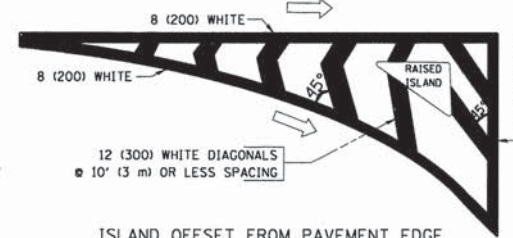
TYPICAL PAINTED MEDIAN MARKING



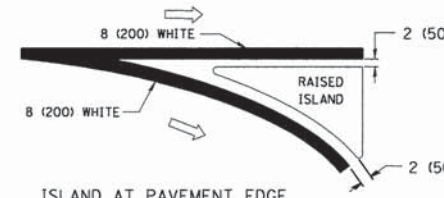
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE 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".

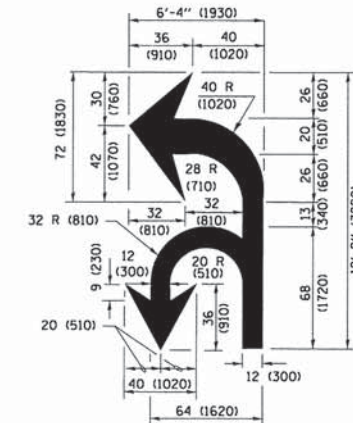


ISLAND OFFSET FROM PAVEMENT EDGE

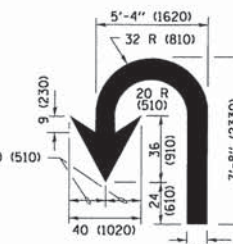


ISLAND AT PAVEMENT EDGE

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 1/2 (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 1/2 (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 = lszehrf | DESIGNED - EVERS | REVISED - T. RAMMACHER 10-27-94 |
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| Default | PLOT SCALE = 50.000' / in. | DATE - 03-19-90 | REVISED - C. JUCIUS 07-01-13 |
| | PLOT DATE = 12/21/2015 | | REVISED - C. JUCIUS 12-21-15 |

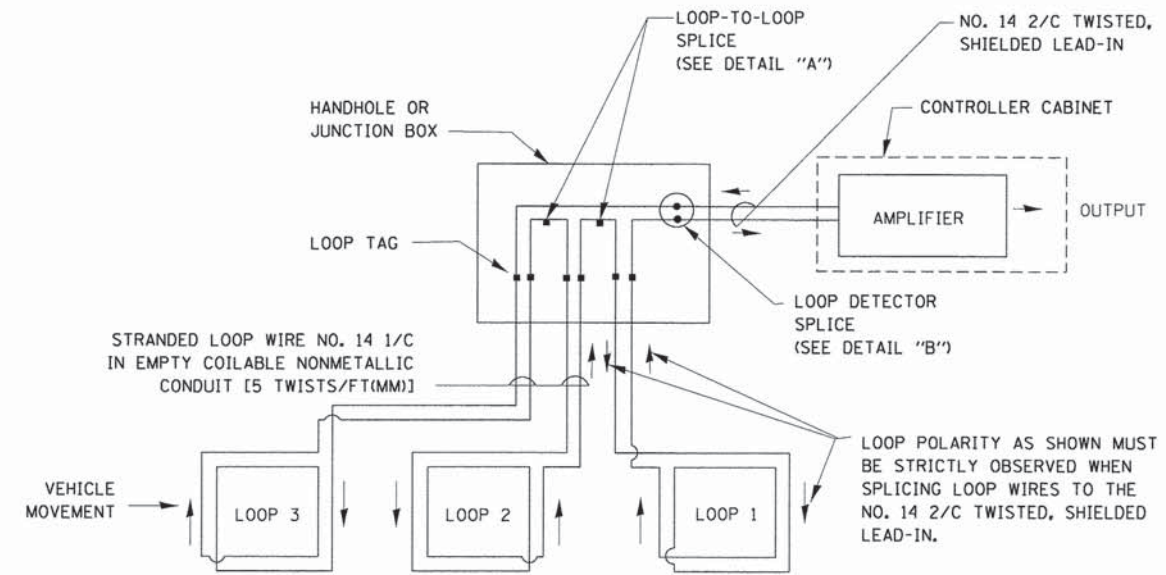
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

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

| | | | | |
|---------------------------------------|------------------------|--------------------|-----------------|--------------|
| F.A. RTE. 7556 | SECTION 15-00094-00-R5 | COUNTY COOK | TOTAL SHEETS 37 | SHEET NO. 39 |
| TC-13 | | CONTRACT NO. 61C46 | | |
| ILLINOIS FED. AID PROJECT M-4003(629) | | | | |

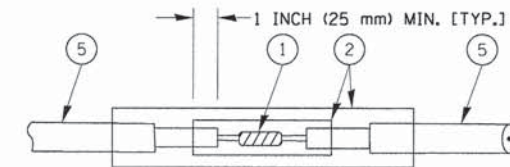
LOOP DETECTOR NOTES

- 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.
- 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.
- 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.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES 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.
- 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.
- PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

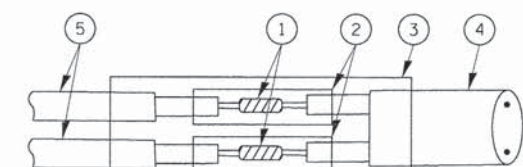


DETECTOR LOOP WIRING SCHEMATIC

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



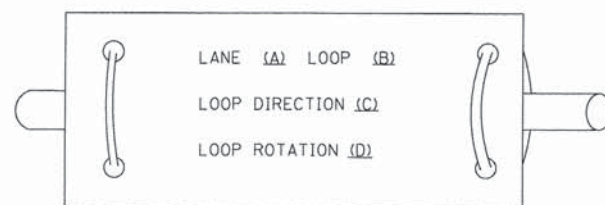
DETAIL "A"
LOOP-TO-LOOP SPLICE



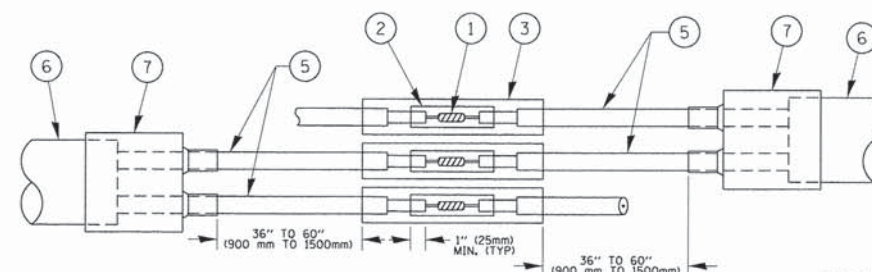
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP

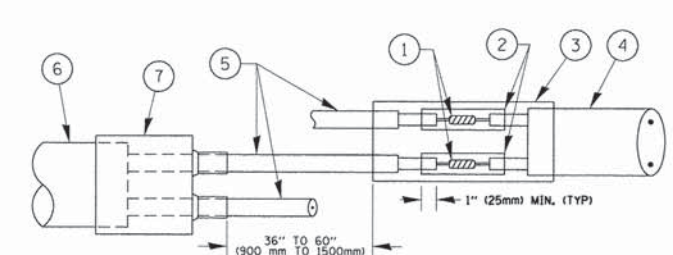
LOOP LEAD-IN CABLE TAG



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



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

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

