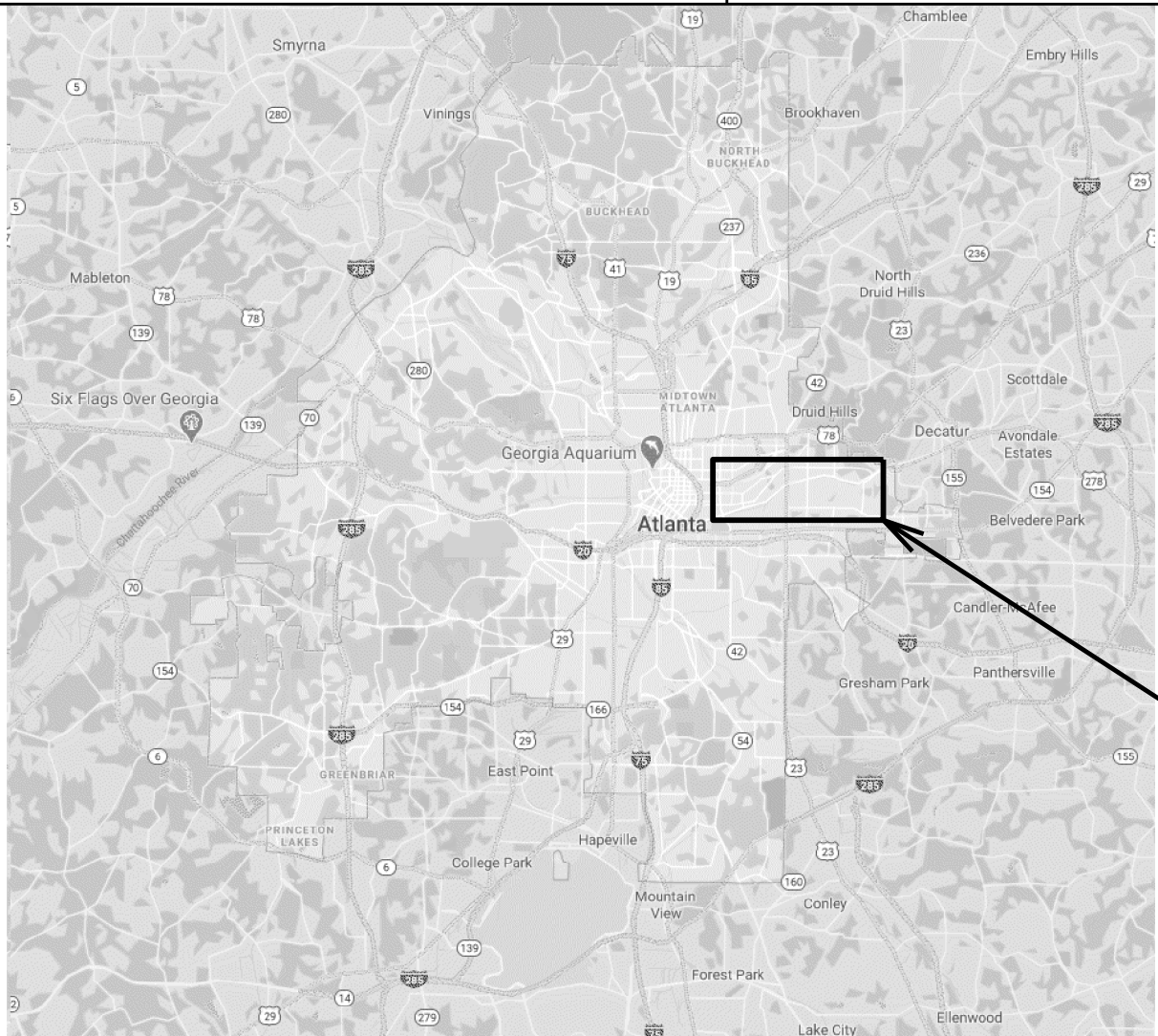




LOCATION SKETCH

DESIGN DATA:2018(0893756-CST 25700IR)
TRAFFIC A.D.T.: 10433 (EAST)(12/2018)
TRAFFIC A.D.T.: 9948 (WEST)(12/2018)
TRAFFIC D.H.V.: 1799 (12/2018)
DIRECTIONAL DIST: 51.1% E - 48.9% W
% TRUCKS: 1.7% (GDOT)
24 HR.TRUCKS %: 1.9 (12/2018)
SPEED DESIGN: 35 MPH

LOCATION & DESIGN
APPROVAL DATE: _____

FUNCTIONAL CLASS:
MINOR ARTERIAL

THIS PROJECT IS 53% IN
FULTON COUNTY AND IS
100% IN CONG.DIST.NO.5.

PROJECT DESIGNATION:
MINOR ARTERIAL ROAD IMPROVEMENT

THIS PROJECT HAS BEEN PREPARED
USING THE HORIZONTAL GEORGIA
COORDINATE SYSTEM OF 1984 (HAD
1983/94 WEST ZONE,AND THE NORTH
AMERICAN VERTICAL DATUM (NAVD)
OF 1988.

THE DATA TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY
INDICATED THEREBY,WHETHER BY DRAWINGS OR NOTES,OR IN ANY OTHER MANNER,ARE BASED UPON
FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS.HOWEVER,THE
SAME ARE SHOWN AS INFORMATION ONLY,ARE NOT GUARANTEED,AND DO NOT BIND THE DEPARTMENT
OF TRANSPORTATION IN ANY WAY.THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO
SUBSECTIONS 102.04,102.05,AND 104.03 OF THE SPECIFICATIONS.

PROJECT AREA

CITY OF ATLANTA STATE OF GEORGIA

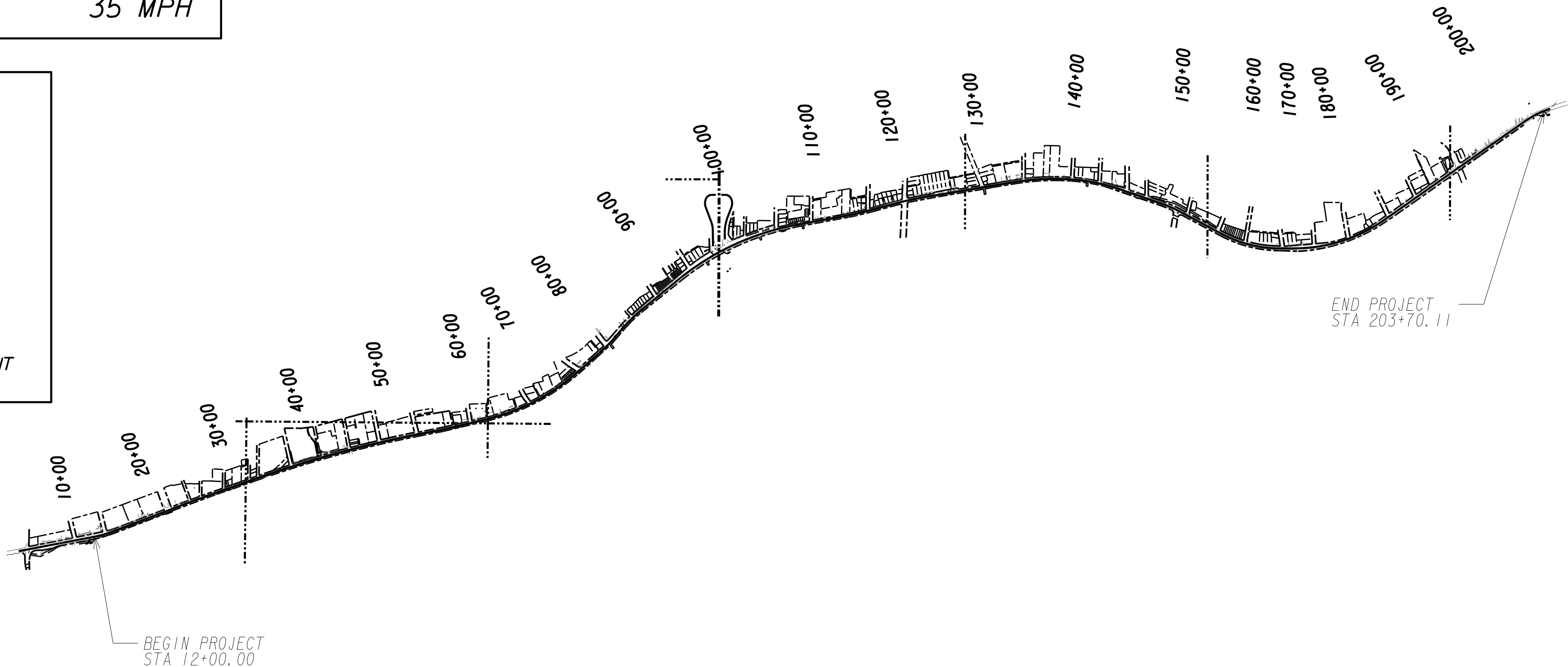
PLAN AND PROFILE OF PROPOSED

DEKALB AVENUE NE SAFETY IMPROVEMENTS

RENEW ATLANTA TSPLOST Project #1073
FULTON AND DEKALB COUNTIES,GA

FEDERAL ROUTE * NA

STATE ROUTE * NA



[illegible][illegible]

[illegible]

SURVEY INFORMATION:

1. THIS DRAWING WAS CREATED ELECTRONICALLY. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT UNLESS IT HAS BEEN PROPERLY SEALED AND SIGNED BY A REGISTERED LAND SURVEYOR OF JACOBS ENGINEERING GROUP INC., AUTHORITY O.C.G.A. 43-15-22. JACOBS ENGINEERING GROUP INC. IS CURRENTLY PERFORMING PROFESSIONAL LAND SURVEYING ACTIVITIES UNDER CERTIFICATE OF AUTHORIZATION NUMBER - LSF001109. THE C.O.A. NUMBER IS SHOWN HEREON PURSUANT TO CHAPTER 180-7-.0716(16) OF THE RULES OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

2. JACOBS ENGINEERING GROUP INC. AND THE LAND SURVEYORS DO NOT GUARANTEE THAT ALL EASEMENTS WHICH MAY AFFECT THIS PROPERTY ARE SHOWN.

JACOBS ENGINEERING
46 LIBERTY INDUSTRIAL PARKWAY
MCDONOUGH, GEORGIA 30253
PHONE: (678) 432-7908
FAX: (678) 432-7818
CONTACT: RICHARD P. (RUSTY) EVANS, SURVEY MANAGER

3. THE HORIZONTAL COORDINATES AND VERTICAL DATUM SHOWN HEREON AND ARE RELATIVE TO NGS MONUMENTS PID D6003, PDI DG0012, PID DG0013, PID DG0016, PID DG 0026, PID DG 0442, AND PID DG2761, NAD 1983(1994), NAVD 88.

4. THE PROJECT COORDINATE SYSTEM IS BASED UPON A RECTANGULAR COORDINATE SYSTEM AND COINCIDES WITH THE STATE PLANE COORDINATE SYSTEM OF GEORGIA, WEST ZONE.

4. THE COORDINATES AND DISTANCES BETWEEN POINTS ON THIS SURVEY ARE BASED UPON GRID DISTANCES AND HAVE BEEN DERIVED UTILIZING A COMBINATION FACTOR OF 0.99985901. TO CONVERT GRID COORDINATES AND GRID DISTANCES TO SURFACE COORDINATES AND SURFACE DISTANCES A COMBINATION FACTOR OF 1.00014101 MUST BE APPLIED.

5. THE EXISTING PROPERTY OWNERSHIP SHOWN HEREON IS BASED UPON INFORMATION OBTAINED FROM THE FULTON COUNTY TAX ASSESSORS OFFICE AS OF FEBURARY 16, 2019.

6. THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THIS DRAWING ARE APPROXIMATE AND WERE COMPILED FROM VARIOUS SOURCES. THESE SOURCES INCLUDE, BUT ARE NOT LIMITED TO EXISTING PLANS, UTILITY MAPS, COMPUTER FILES AND FIELD MARKED INFORMATION AS PROVIDED BY JACOBS. UTILITIES WERE MARKED BY JACOBS ON APRIL 16, 2019. VERIFICATION OF EXACT UNDERGROUND UTILITY LOCATIONS SHOULD BE MADE PRIOR TO ANY CONSTRUCTION ACTIVITIES.

7. AT VARIOUS SANITARY AND STORM DRAIN STRUCTURES SHOWN HEREON, THERE ARE ADDITIONAL LINES ENTERING OR EXITING THE STRUCTURE. IN SOME CASES, THE ORIGIN, DESTINATION AND SIZE OF THE LINE COULD NOT BE ACCURATELY DETERMINED. THIS SURVEY DEPICTS THOSE LINES AND THE GENERAL DIRECTION OF THE LINE; HOWEVER, WITHOUT ADDITIONAL DATA OR BENEFIT OF EXCAVATION, THE LOCATION OF THESE LINES CANNOT BE DETERMINED.

8. THE DASHED AND SHADED UTILITIES SHOWN ARE APPROXIMATE AND REPRESENT UTILITIES WHICH ARE COMPILED FROM THE VARIOUS SURVEY REFERENCES SHOWN HEREON. THESE UTILITIES WERE NOT MARKED IN THE FIELD BY RHD SERVICES, INC. AND APPARENT PHYSICAL EVIDENCE OF THE LINES WAS NOT FOUND BY THIS SURVEY.

9. A 1.0 FOOT CONTOUR INTERVAL IS SHOWN.

10. THE PROPERTY SHOWN HEREON IS NOT LOCATED IN A FLOOD HAZARD AREA, PER FEDERAL INSURANCE RATE MAPS OF FULTON COUNTY, GA MAP NUMBER 13089C0064J, MAP DATED/REVISED 05/16/2013, GA MAP NUMBER 13121C0263G, MAP DATED/REVISED 09/18/2013, GA MAP NUMBER 13121C0357F, MAP DATED/REVISED 09/18/2013, GA MAP NUMBER 13121C0244F, MAP DATED/REVISED 09/18/2013.

11. A LIECA ROBOTIC TOTAL STATION WAS USED TO OBTAIN THE LINEAR AND ANGULAR MEASUREMENTS USED IN THE PREPARATION OF THIS SURVEY.

THE RAW FIELD DATA HAS A CLOSURE OF 1 FOOT IN 229,444 FEET AND AN ANGULAR ERROR OF 9 SECONDS PER ANGLE POINT. THE ADJUSTED FIELD DATA UPON WHICH THIS SURVEY IS BASED WAS ADJUSTED USING THE LEAST SQUARES METHOD.

THE LAST DATE OF FIELD WORK FOR THIS SURVEY WAS PERFORMED ON APRIL 16, 2019.

THIS SURVEY WAS PREPARED IN CONFORMITY WITH THE TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN CHAPTER 180-7 OF THE RULES OF THE GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN THE GEORGIA PLAT ACT O.C.G.A. 15-6-67.

PROJECT GENERAL NOTES

1. STRUCTURES, TREES, SHRUBS AND OTHER PLANT MATERIAL THAT FALL WITHIN THE RIGHT-OF-WAY AND EASEMENT LIMITS, BUT OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL NOT BE DISTURBED UNLESS DIRECTED BY THE ENGINEER.
2. ALL DRIVEWAYS SHALL BE MAINTAINED DURING CONSTRUCTION.
3. AN N.O.I. (NOTICE OF INTENT) IS REQUIRED FOR THIS PROJECT.
4. ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. :SEE SECTION 201 OF GDOT STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.
5. THERE IS NO KNOWN SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE AS SHOWN IN GDOT SPECIFICATION 201 TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE CITY OF ATLANTA.
6. EXISTING PIPES, WITHIN THE PROJECT LIMITS, ARE TO BE RETAINED UNLESS OTHERWISE NOTED. PIPES WILL BE FLAGGED REMOVE OR FILL WITH FLOWABLE FILL ON THE ROADWAY PLAN SHEETS IF THE PIPE IS NO LONGER IN USE.
7. THE CONTRACTOR IS NOT TO DISTURB ANY ADDITIONAL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS.
8. CONTRACTOR SHALL ADJUST THE CASTING OF UTILITY STRUCTURES (WATER METERS, STORM/SANITARY MANHOLES, ETC...) WITHIN THE LIMITS OF CONSTRUCTION TO THE PROPER ELEVATION TO MATCH FINISH GRADE.

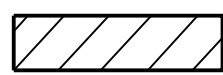
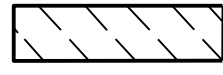
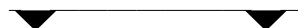


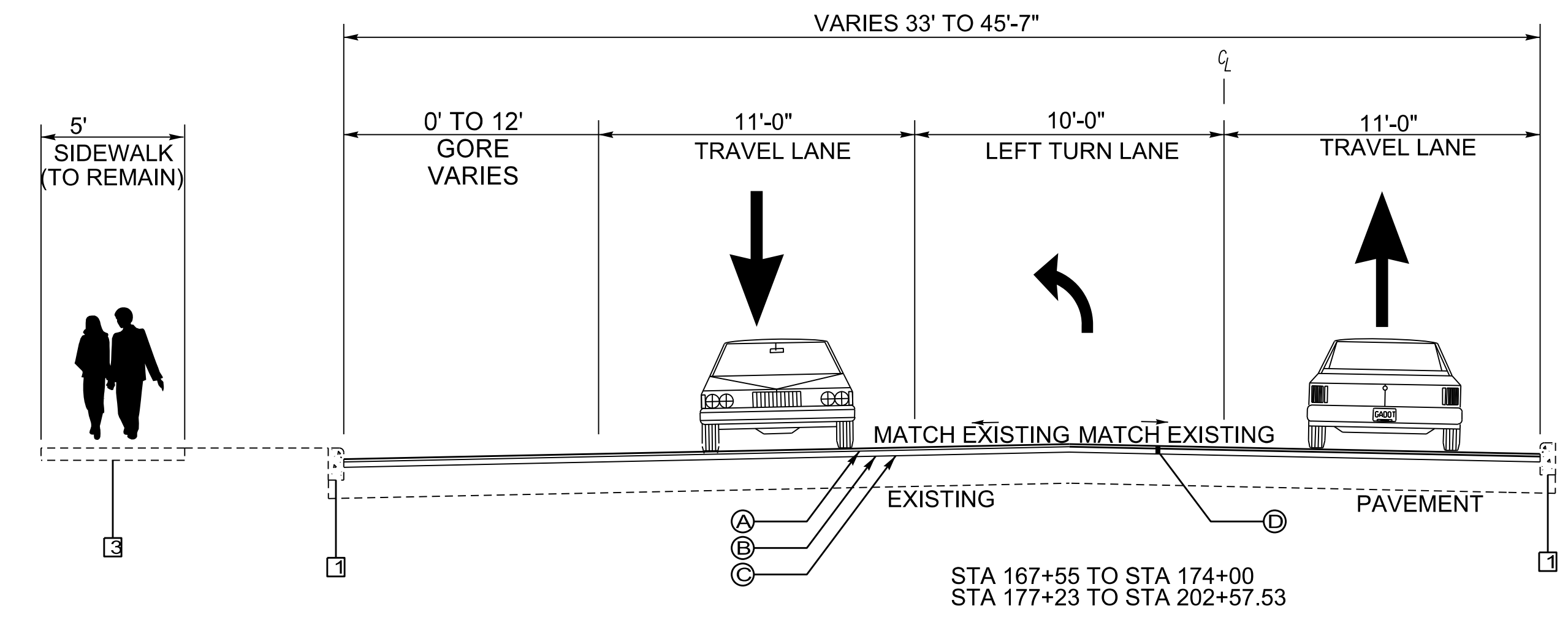
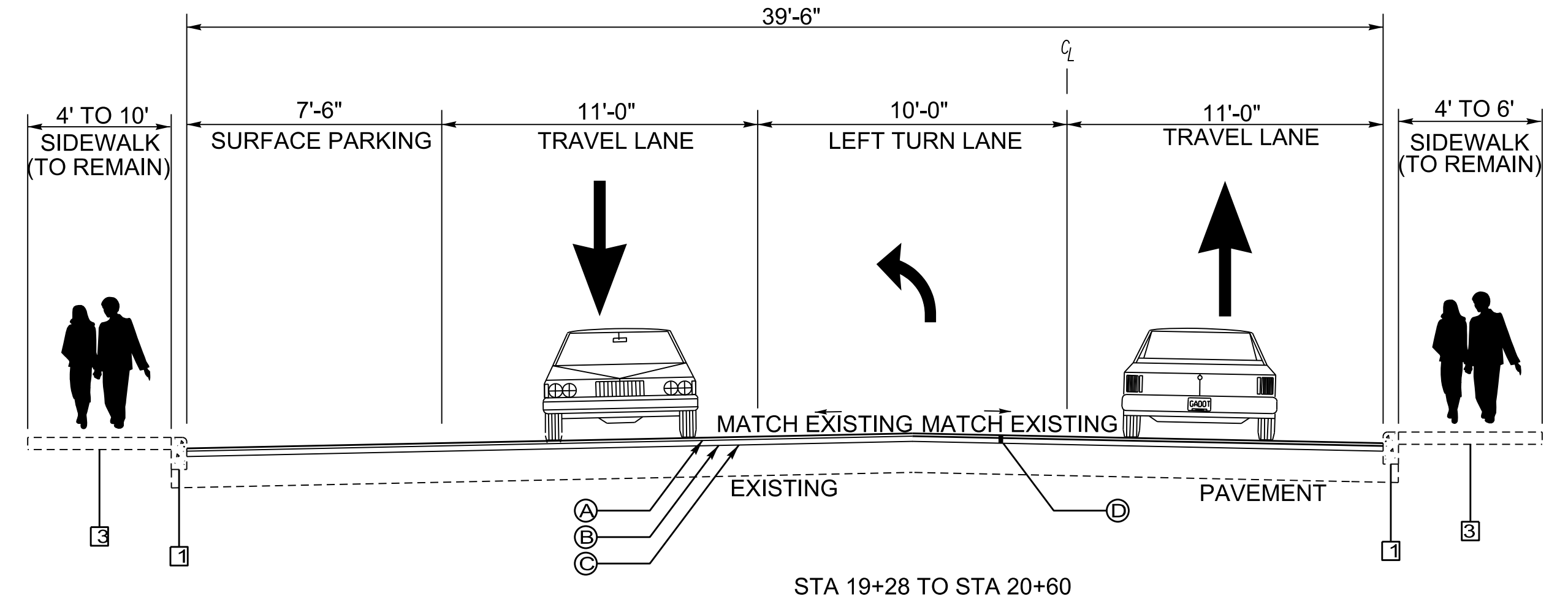
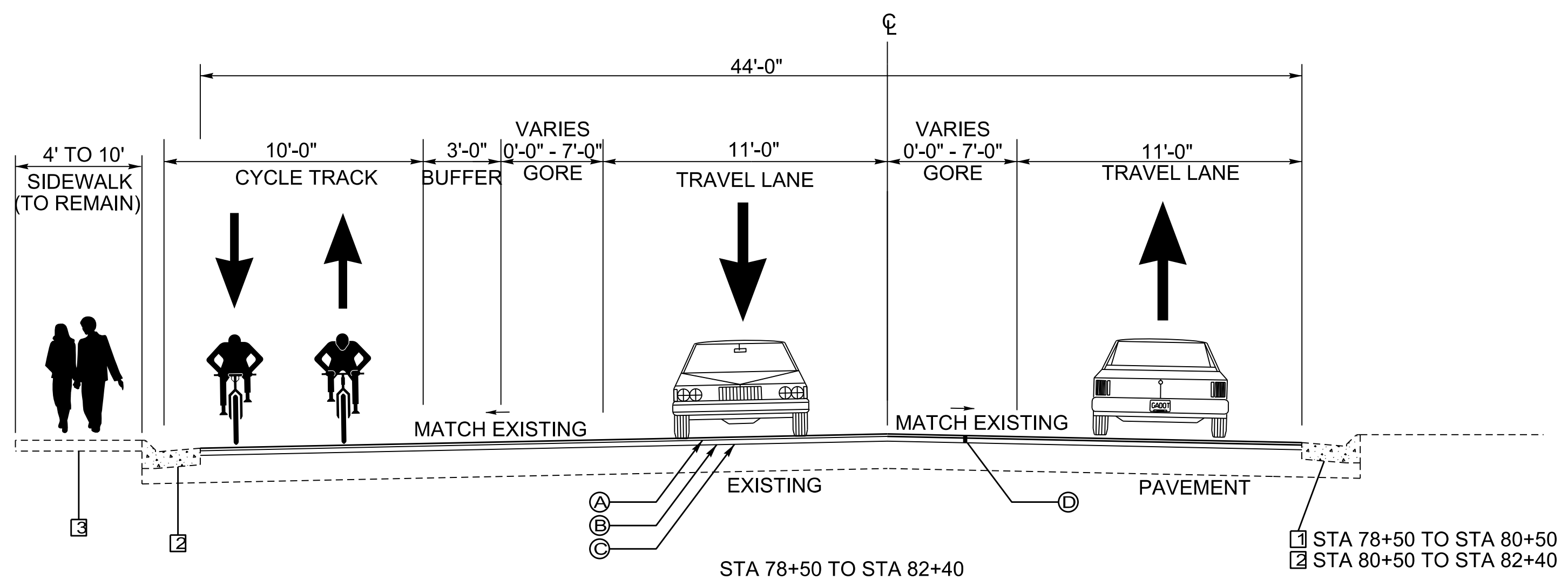
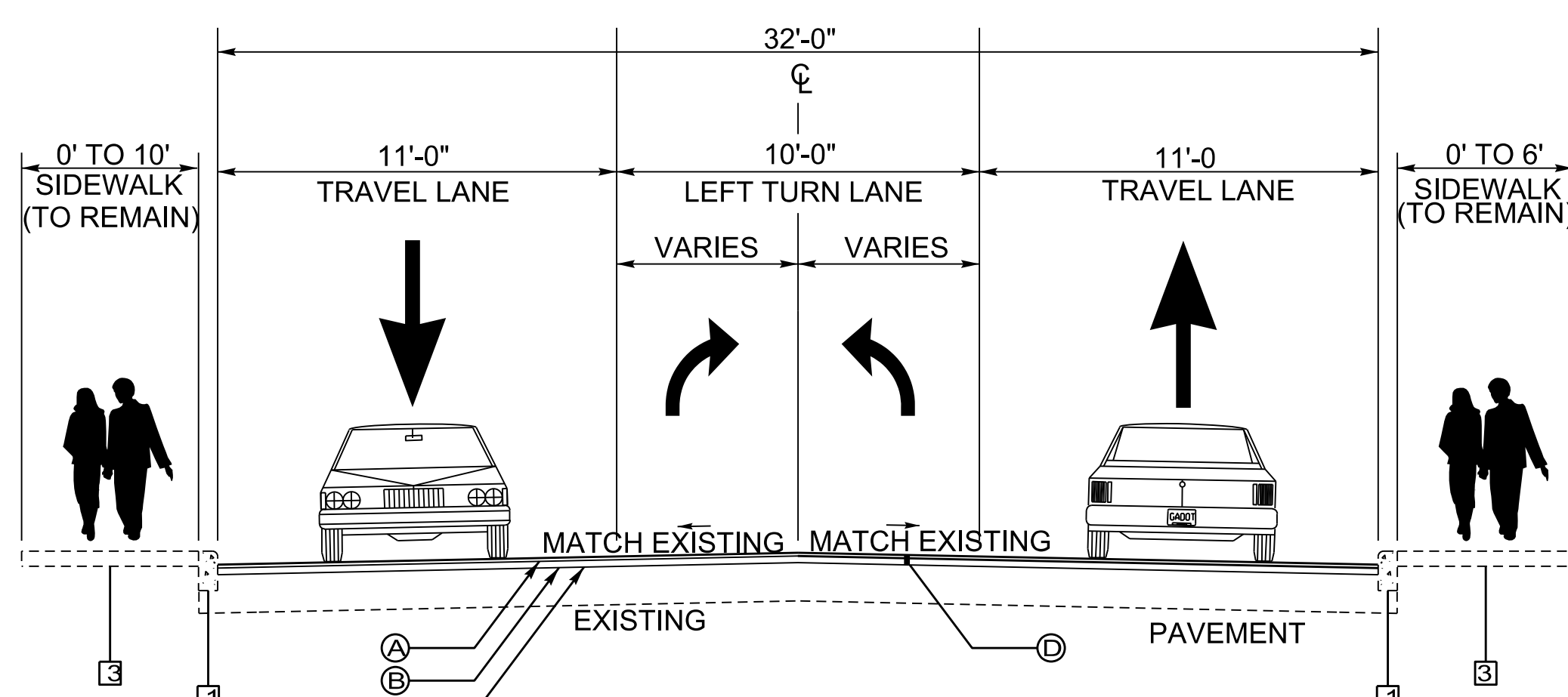
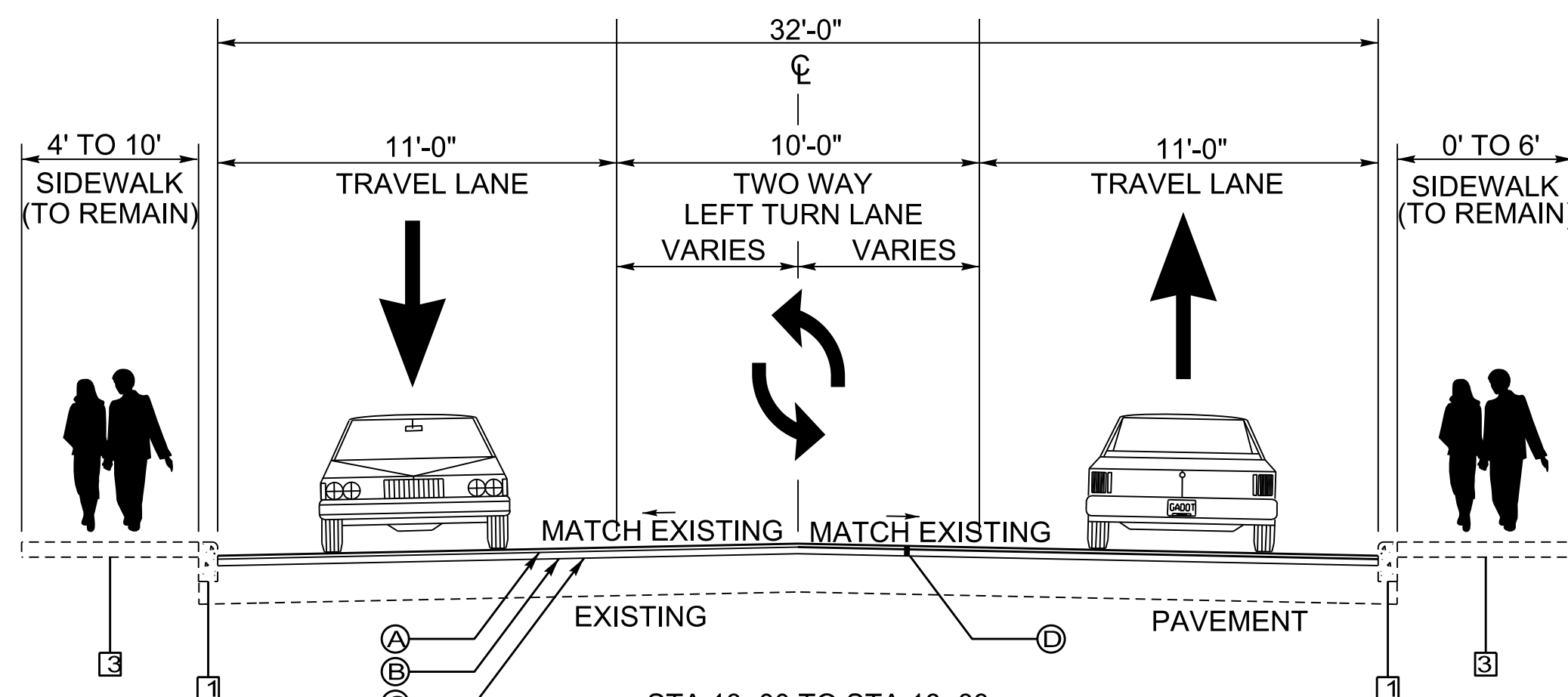
GENERAL NOTES - STANDARD SIGNS

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.
2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.
3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY.
4. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON -MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).
5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 1 1/2 INCH x 1/2 INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/8 TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE 1/4 INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.
6. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x 1/2 INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.
7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.
8. TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.
9. TYPE 11 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3P, R5-1, R5-1A, R5-1B).
10. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.
11. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS. ALL REGULATORY SIGNS WITHIN THE SCHOOL ZONE SIGNING SHALL HAVE TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING.
12. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL 3/8 INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.
13. INTERSTATE SHIELDS SHALL CONTAIN THE WORD GEORGIA. ALL INTERSTATE, U.S., AND GEORGIA SHIELDS REQUIRING ALT, BUS, CONN, LOOP, OR SPUR SHALL USE 4 INCH SERIES "D" LETTERS. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, FOR DETAILS.
14. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS
15. THE CONTRACTOR WILL, AS REQUESTED BY THE CITY PROJECT MANAGER, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

DEMOLITION INFORMATION:

1. NOTIFICATIONS:
- THE CONTRACTOR SHALL NOTIFY THE OWNER AND CITY INSPECTOR(S) 72 HOURS PRIOR TO ANY DEMOLITION OR CONSTRUCTION.
2. DISPOSAL GUIDELINES:
- A. ONLY ITEMS SPECIFICALLY NOTED TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE.
- B. REMOVE EXISTING PAVED AREAS AS SHOWN INCLUDING DRIVEWAYS, SIDEWALKS, PARKING AREAS, SERVICE AREAS, EQUIPMENT PADS, AND ALL MISCELLANEOUS PAVING.
- C. ALL DEBRIS RESULTING FROM DEMOLITION SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY BY THE CONTRACTOR. BACKFILL ALL TRENCHES AND EXCAVATIONS RESULTING FROM DEMOLITION @ 95% STANDARD PROCTOR COMPACTION.
- D. ALL DEMOLISHED MATERIAL BECOMES THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED.
3. TREE PROTECTION GUIDELINES:
- PROTECT ALL EXISTING TREES AND ALL ITEMS TO BE TURNED OVER TO THE OWNER DURING DEMOLITION. TAKE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES. ANY EXISTING ITEMS TO BE TURNED OVER TO THE OWNER WHICH ARE DAMAGED DURING DEMOLITION SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. TREES WHICH ARE DAMAGED WILL BE REPLACED OR REIMBURSED AT A RATE TO BE DETERMINED BY THE OWNER.
4. UTILITIES:
- A. PRIOR TO REMOVING OR ABANDONING ANY UTILITY THE CONTRACTOR SHALL VERIFY THAT NO UPSTREAM SERVICE WILL BE TERMINATED. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY TERMINATION NOT SHOWN ON THE PLANS.
- B. ALL ABANDONED WATER LINES, STORM SEWER PIPE, SANITARY SEWER PIPES, GAS LINES, OR ANY OTHER ABANDONED UNDERGROUND UTILITY SHALL BE ABANDONED IN PLACE UNLESS NOTED OTHERWISE.
5. GRADING:
- A. COMPACT AND ROUGH GRADE THE ENTIRE SITE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ANY EXCAVATIONS IN THESE AREAS SHALL BE BACKFILLED, BUT DO NOT RAISE OR LOWER EXISTING GRADES.

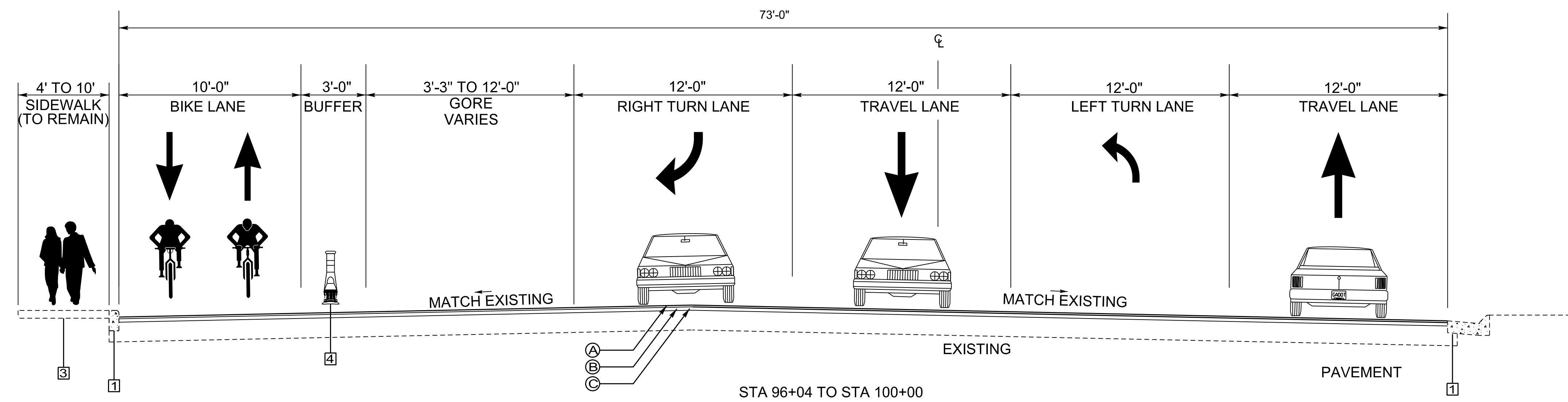
8/12/2020 JCebe		5:16:25 PM GPL0T-V8 gp1o1border-v81-P0.1b1		000000_04-0002.dgn				P. I. No.																																										
CONTACT INFORMATION: OWNER INFORMATION CITY OF ATLANTA, GEORGIA CITY OF ATLANTA - RENEW ATLANTA BOND PROGRAM CONTACT: BRANDI PECK, P.E. PH: 470-352-5432 EMAIL: RENEWATL-BPECK@ATLANTAGA.GOV CONSULTANT PROJECT INFORMATION ARCADIS U.S., INC. CONTACT: MATT MCDOW, P.E. PH: 770-384-6558 EMAIL: MATT.MCDOW@ARCADIS.COM EROSION AND SEDIMENT CONTROL INFORMATION: 1. COMPREHENSIVE: A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES. B. PROVISIONS TO PREVENT EROSION OF SOIL FROM THE SITE SHALL BE AT A MINIMUM IN CONFORMANCE WITH THE REQUIREMENTS OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION, AND THE CITY OF ATLANTA CODES GOVERNING EROSION AND SEDIMENTATION CONTROL. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. C. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE STANDARDS SPECIFIED IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, CURRENT EDITION, AND CITY OF ATLANTA STANDARDS. D. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. E. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY SECTION OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. F. THE CONSTRUCTION OF THE SITE WILL COMMENCE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED. G. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION. H. EROSION CONTROL DEVICES ARE TO BE INSTALLED AND FULLY OPERATIONAL PRIOR TO ANY DEMOLITION. 1. SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171 - TEMPORARY SILT FENCE OF THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, CURRENT EDITION, THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION, AND CITY OF ATLANTA STANDARDS. J. ADDITIONAL EROSION CONTROL MEASURES WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS. 2. DURING CONSTRUCTION: A. ON SITE DUST CONTROL DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND REGULATIONS. B. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12' OF THE TOP OF THE SILT FENCE UTILIZED FOR EROSION CONTROL. C. ALL OPEN SWALES MUST BE GRASSED AND RIP-RAP MUST BE PLACED AS REQUIRED TO CONTROL EROSION. STONE FOR RIP-RAP SHALL CONSIST OF ROUGH UN-HEWN QUARRY GRANITE AS NEARLY IN RECTANGULAR SECTION AS PRACTICAL. THE MINIMUM SIZE STONE SHALL WEIGH BETWEEN 75 AND 150 POUNDS AND SHALL BE HAND PLACED AS A LOOSE STONE EMBANKMENT. D. DISTURBED AREAS LEFT IDLE FOR TWO WEEKS AND NOT TO FINAL GRADE WILL BE ESTABLISHED WITH TEMPORARY VEGETATION (Ds2). DISTURBED AREAS LEFT IDLE FOR FOUR WEEKS AND NOT TO FINAL GRADE WILL BE ESTABLISHED WITH PERMANENT VEGETATION (Ds3). ALL AREAS TO BE ESTABLISHED WITH PERMANENT VEGETATION WITHIN TWO WEEKS AFTER WORK IN AREA IS COMPLETED. E. NO GRADED SLOPE SHALL EXCEED 2H:1V. PROJECT SITE INFORMATION: 1. PROJECT LOCATION: DEKALB AVE NE CITY OF ATLANTA 53 % OF THE PORTION IS IN FULTON COUNTY & 47 % IN DEKALB COUNTY, GEORGIA 100% IN CONGRESSIONAL DISTRICT NO. 5 2. PROJECT SITE LENGTH: 3.631 MILES UTILITY OWNERS CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT - WATER AND SANITARY SEWER 72 MARIETTA STREET NE ATLANTA GA 30303 404-546-0311 GEORGIA POWER - ELECTRICITY 96 ANNEX ATLANTA, GEORGIA 30396 888-660-5890 GEORGIA NATURAL GAS - NATURAL GAS P.O BOX 440667 KENNESAW, GA 30160 9512 877-850-6200 XFINITY - CABLE/INTERNET 3620 CAMP CREEK PARKWAY, SUITE 200 ATLANTA, GA 30331 800-934-6489 AT&T/DIRECTV - TV/INTERNET/PHONE PO BOX 5014 CAROL STREAM, IL 60197-5014 866.861.6075 CONTRACTOR RESPONSIBILITIES: 1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR: R. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFICATIONS, ALL FILL AREAS MUST BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR. S. CONTRACTOR SHALL MAINTAIN CONTINUOUS UTILITY SERVICE TO ALL EXISTING BUILDINGS THROUGHOUT CONSTRUCTION UNLESS APPROVAL FOR SERVICE INTERRUPTION IS OBTAINED FROM THE OWNERS IN ADVANCE. T. CUT AND FILL SLOPES SHALL NOT EXCEED 2:1 H:V. U. CONTRACTOR TO PERFORM HIS OWN SURVEY AND LAYOUT OF NEW CONSTRUCTION SHOWN WITHIN THESE PLANS 2. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR: A. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE. B. THE CONTRACTOR SHALL USE MATERIALS AND EMPLOY CONSTRUCTION METHODS IN ORDER TO COMPLY WITH THE DRAWINGS AND SPECIFICATIONS. WHERE A CONFLICT OCCURS, THE STRICTEST DESIGN SHALL GOVERN. THE ENGINEER'S REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY SPECIFIC DEVIATIONS AND OBTAIN ENGINEER'S WRITTEN APPROVAL OF THE SPECIFIC DEVIATION. C. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL SECTIONS OF CONSTRUCTION. D. ALL CONSTRUCTION MUST CONFORM TO THE STANDARDS, SPECIFICATIONS, AND CODES OF THE GOVERNING MUNICIPALITIES. E. CONSTRUCTION SHALL MEET ALL STANDARDS SET FORTH IN THE AMERICANS WITH DISABILITIES ACT. F. IF THE CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, REPLACE OR REPAIR THE UTILITIES TO ORIGINAL CONDITION AND QUALITY AS APPROVED BY THE OWNER AND REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY. G. IF THE CONTRACTOR DAMAGES ANY EXISTING SITE FEATURES DURING CONSTRUCTION, HE SHALL AT HIS OWN EXPENSE, REPLACE OR REPAIR THE FEATURES TO ORIGINAL CONDITION AND QUALITY AS APPROVED BY THE OWNER OR THEIR DESIGNATED REPRESENTATIVE. H. SUFFICIENT BARRICADES, LIGHTS, SIGNS, AND OTHER TRAFFIC CONTROL METHODS IN ACCORDANCE WITH GOVERNING ORDINANCES MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC. SAID CONTROL DEVICES SHALL BE PER THE MANUAL OF TRAFFIC CONTROL DEVICES, M.U.T.C.D., CURRENT EDITION, AND SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. I. TRAFFIC CONTROLS AND OTHER WARNING DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY WORK ON CITY, COUNTY, OR GEORGIA DEPARTMENT OF TRANSPORTATION ROADS. THEY SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL THE CONCLUSION OF ALL WORK. J. ALL WARNING DEVICES SHALL BE EITHER TYPE I BARRICADES OR DRUMS WITH WARNING LIGHTS ON EVERY OTHER DEVICE. THEY SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION, AND CITY OF ATLANTA STANDARDS FOR COLOR, SIZE, REFLECTIVITY, HEIGHT, AND PLACEMENT. K. FIRE DEPARTMENT ACCESS SHALL BE MAINTAINED AT ALL TIMES. L. CONTRACTOR SHALL SHORE AND BRACE ALL EARTH, FORMS, CONCRETE, STEEL, WOOD, AND MASONRY TO RESIST GRAVITY, EARTH, WIND, THERMAL, CONSTRUCTION, AND MISCELLANEOUS LOADS DURING CONSTRUCTION. M. ON-SITE BURIAL OF DEBRIS IS PROHIBITED. N. UNLESS OTHERWISE NOTED THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL FABRICATED MATERIALS TO THE ENGINEER FOR REVIEW. DESIGN DOCUMENTS SHALL NOT BE REPRODUCED AS SHOP DRAWINGS. O. IN CASE OF UNFORESEEN CONSTRUCTION COMPLICATIONS OR DISCREPANCIES, THE CONTRACTOR IS TO IMMEDIATELY NOTIFY THE ENGINEER IN WRITING. P. ALL REQUIRED TESTING REPORTS SHALL BE AVAILABLE AT THE JOB SITE. Q. AS-BUILT DRAWINGS OF ROADWAYS, STORM DRAINS, SANITARY SEWER AND WATER LINES, FIELD APPROVAL BY THE ENGINEER, AND ALL APPLICABLE BONDS ARE REQUIRED PRIOR TO FINAL ACCEPTANCE BY THE OWNER. PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES -----#----- ----- -G--F--           BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS ORANGE BARRIER FENCE ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE) ARCADIS Design & Consultancy for natural and built assets REVISION DATES <table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> GENERAL NOTES DEKALB AVENUE CONCEPT <table><tr><td>CHECKED:</td><td></td><td>DATE:</td><td></td><td rowspan="4">DRAWING No. 04-0002</td></tr><tr><td>BACKCHECKED:</td><td></td><td>DATE:</td><td></td></tr><tr><td>CORRECTED:</td><td></td><td>DATE:</td><td></td></tr><tr><td>VERIFIED:</td><td></td><td>DATE:</td><td></td></tr></table> 10/23/2015 GPLN																																		CHECKED:		DATE:		DRAWING No. 04-0002	BACKCHECKED:		DATE:		CORRECTED:		DATE:		VERIFIED:		DATE:	
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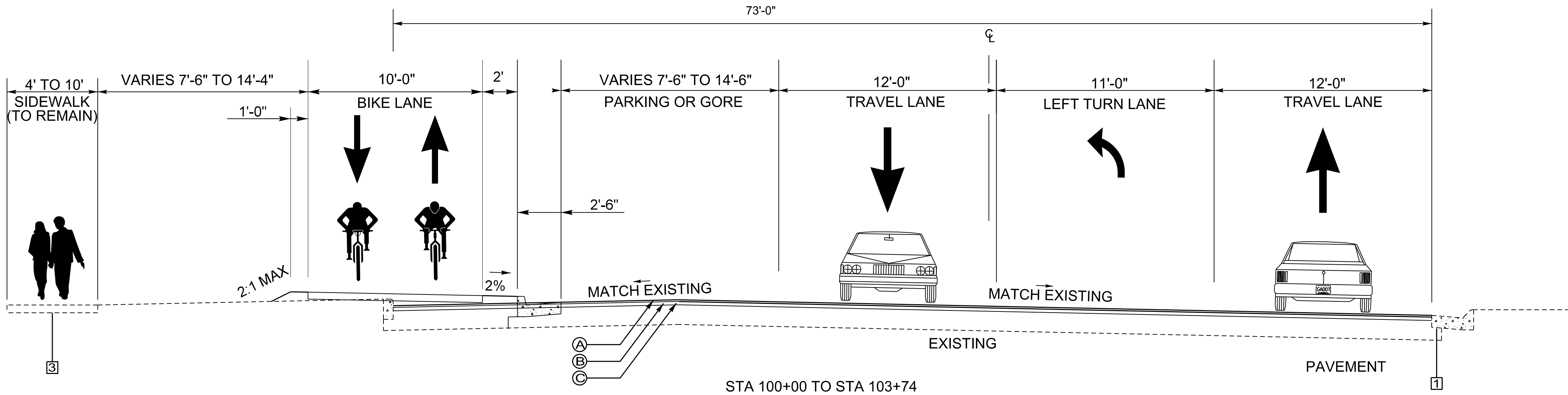
SEE 05-0003 FOR PAVEMENT SCHEDULE



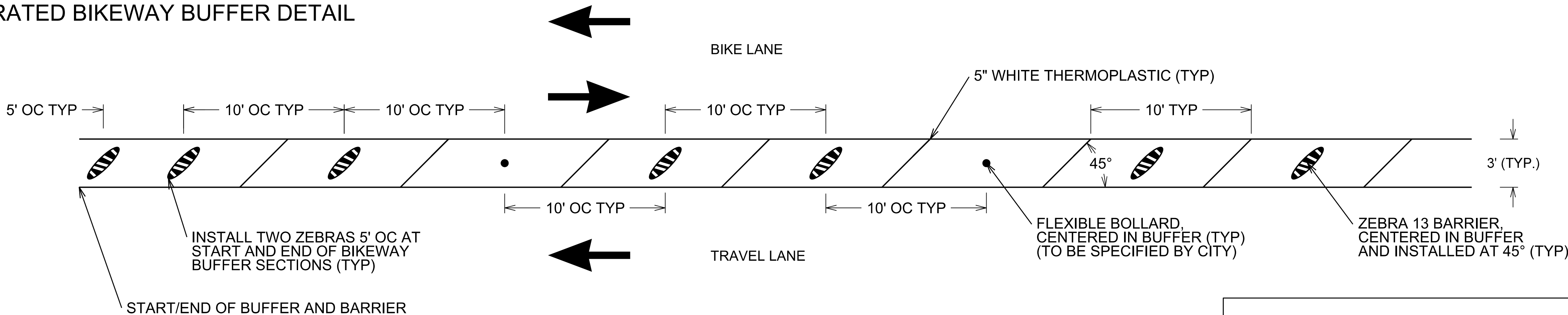
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			DEKALB AVENUE SAFETY IMPROVEMENTS			
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REVISION DATES (1) 8-7-2020 AA			TYPICAL SECTIONS DEKALB AVENUE SAFETY IMPROVEMENTS			
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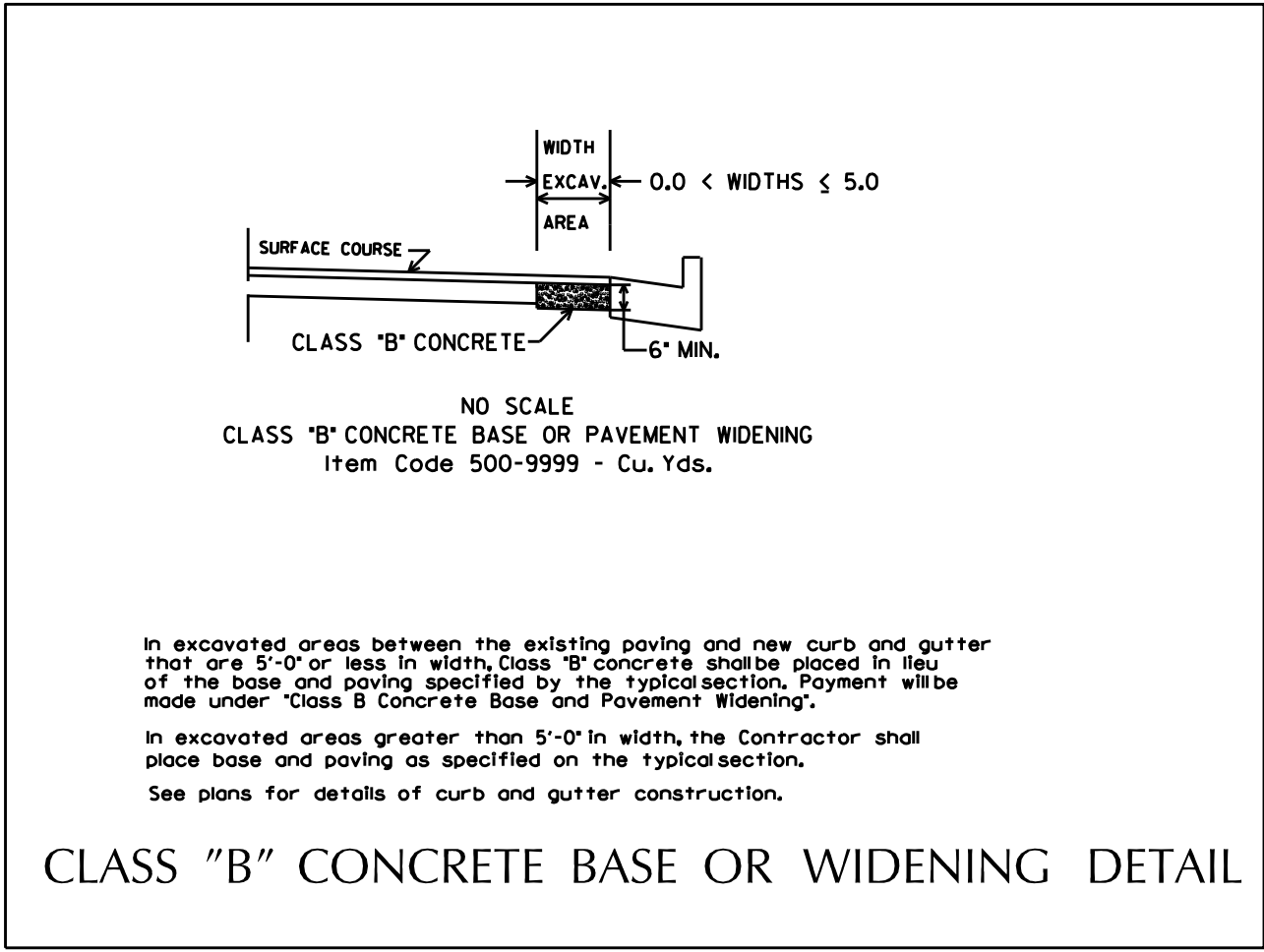
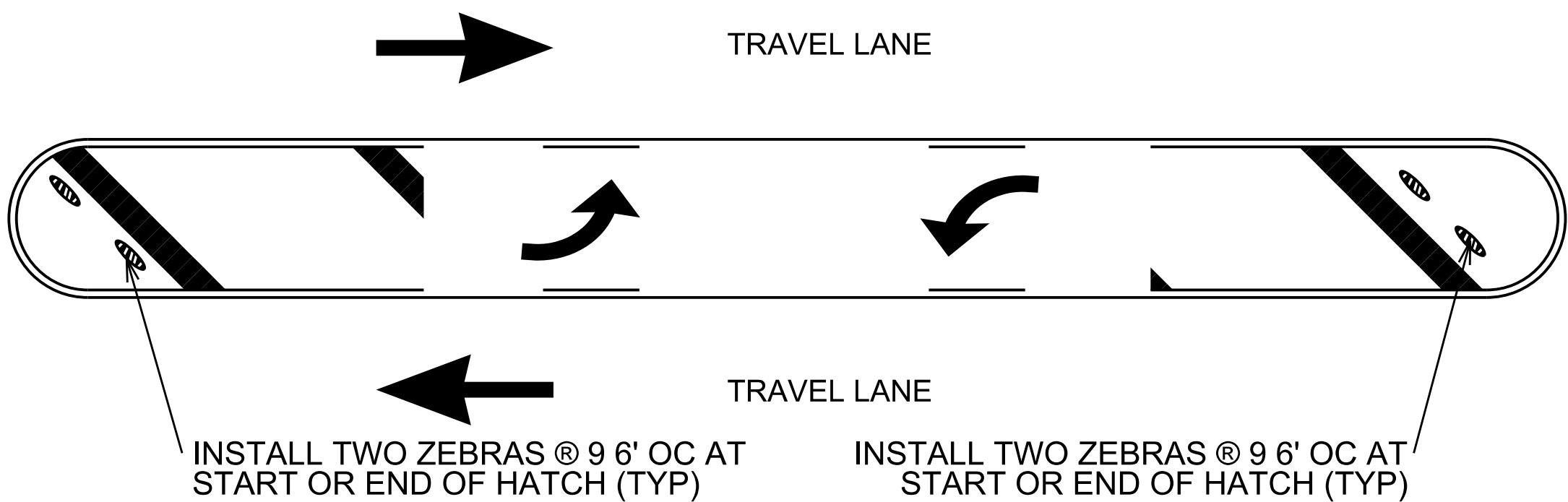


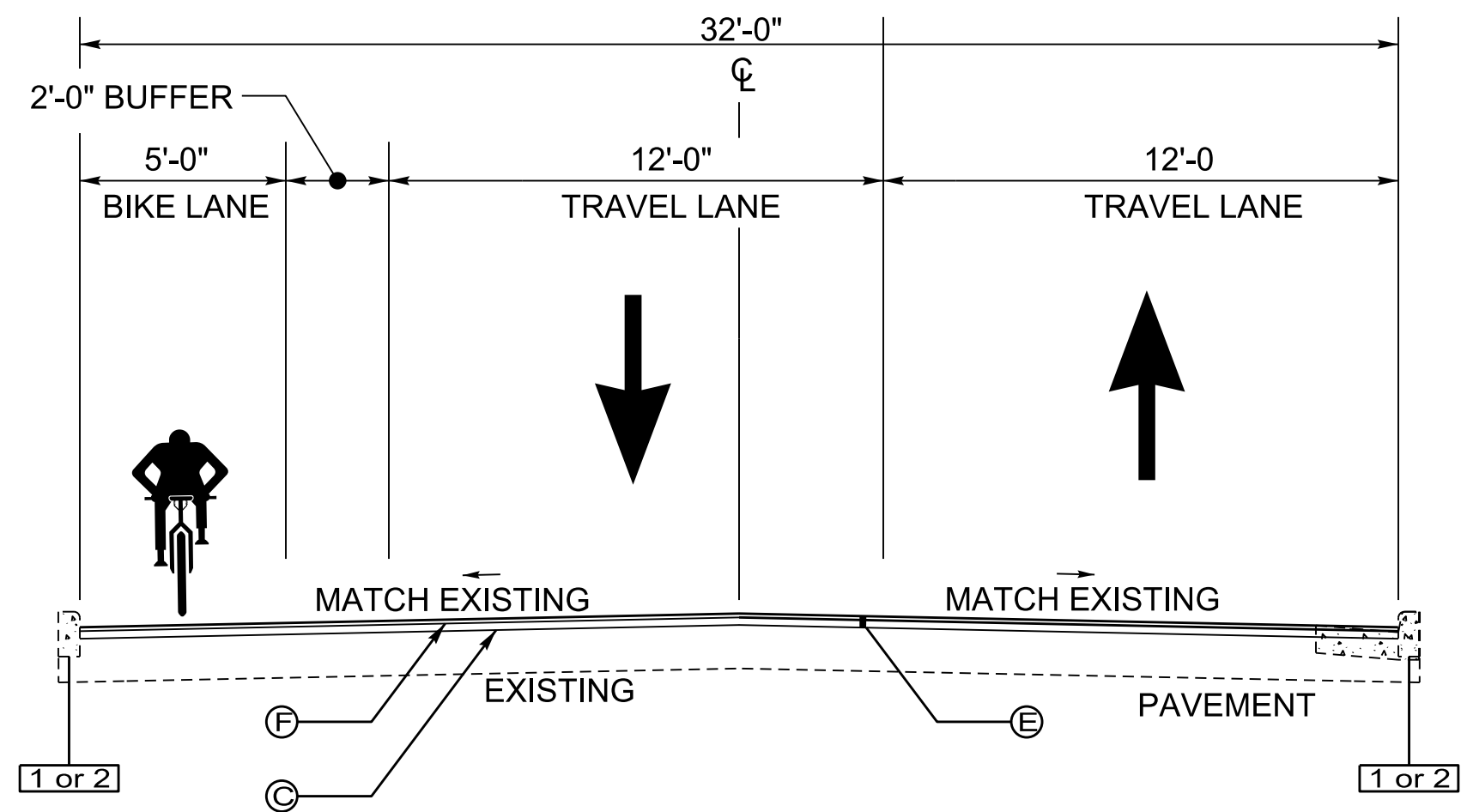
SEPARATED BIKEWAY BUFFER DETAIL



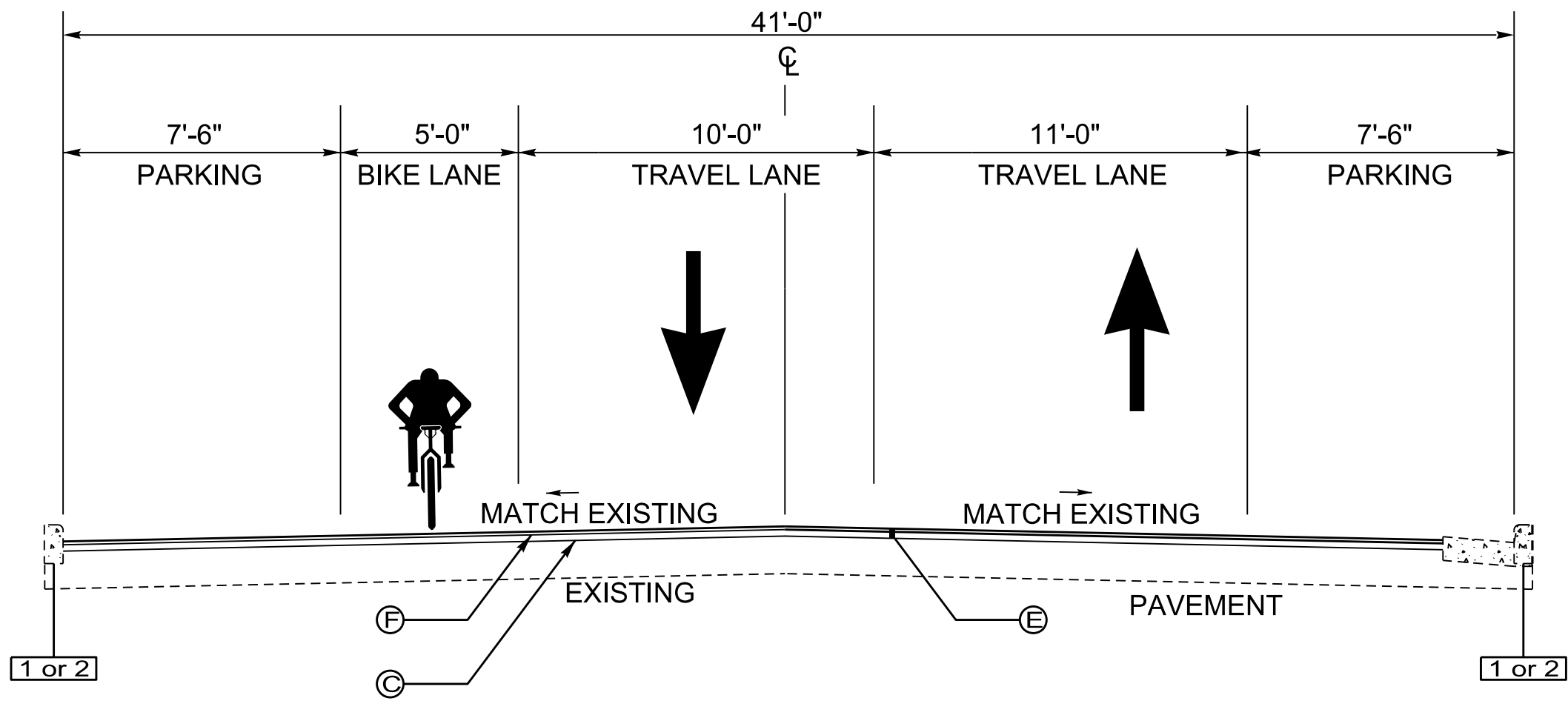
- LEGEND
- Ⓐ RECYCLED ASPH CONC 12.5 mm SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME - 220 LBS/SY
 - Ⓑ RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL POLYMER-MODIFIED BITUM MATL & H LIME - 220 LBS/SY
 - Ⓒ TACK COAT
 - Ⓓ MILL ASPHALTIC CONCRETE PAVEMENT, 4 IN DEPTH
 - Ⓔ MILL ASPHALTIC CONCRETE PAVEMENT, 1½ IN DEPTH
 - Ⓕ RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1 OR 2, INCL POLYMER-MODIFIED BITUM MATL & H LIME - 165 LBS/SY
 - ① IN-PLACE GRANITE CURB (RETAIN)
 - ② IN-PLACE 30" CONCRETE CURB AND GUTTER (RETAIN)
 - ③ IN-PLACE CONCRETE SIDEWALK (RETAIN)
 - ④ SEPARATED BIKEWAY BUFFER, SEE DETAIL

TWO-WAY LEFT TURN LANE HATCHING DETAIL

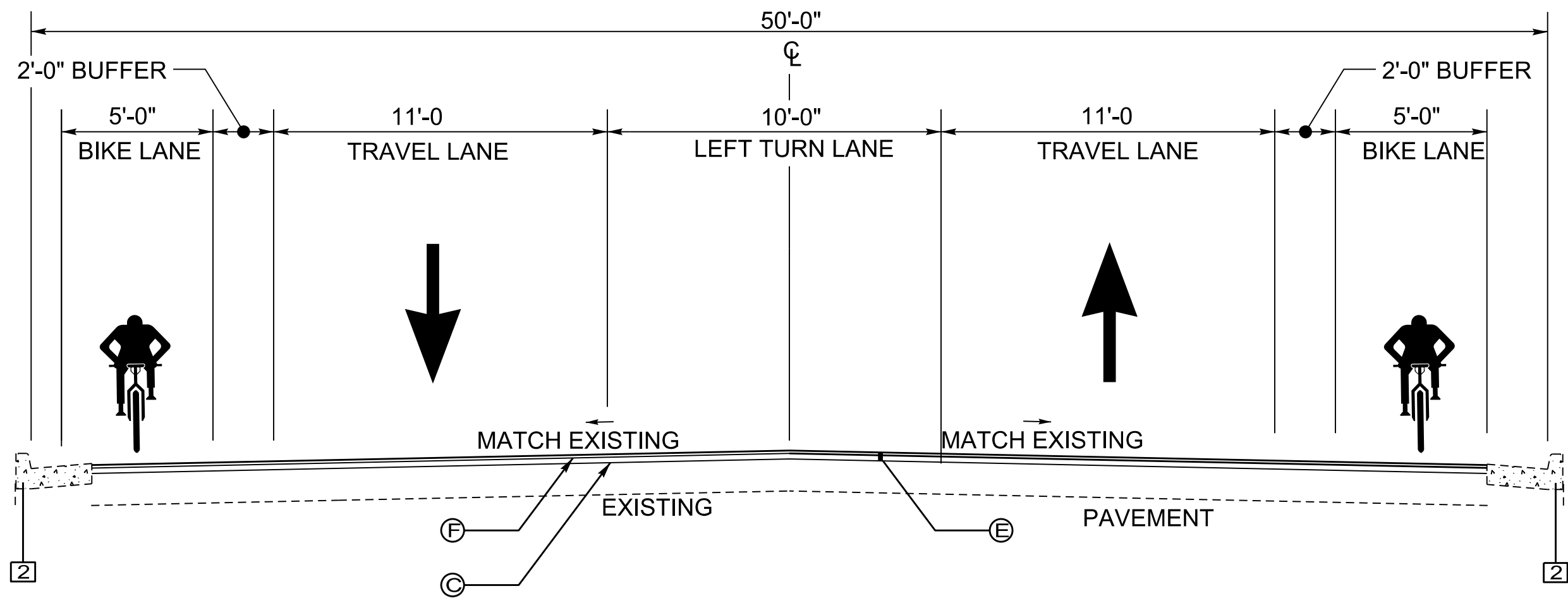




JACKSON STREET



HURT STREET



WHITEFOORD AVENUE

SEE 05-0003 FOR PAVEMENT SCHEDULE

8/12/2020

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P. I. No.

SUMMARY OF QUANTITIES

PAY ITEM No.	DESCRIPTION	UNIT	QUANTITY
004-0012	RENEW ATLANTA BOND PROGRAM PROJECT SIGNS 24" X 30" SINGLE TP 7 POST	EA	5
004-0012	RENEW ATLANTA BOND PROGRAM PROJECT SIGNS 48" X 840" DOUBLE TP 7 POST	EA	3
150-1000	TRAFFIC CONTROL -	LS	1
151-1000	MOBILIZATION -	LS	1
161-1000	EROSION CONTROL -	LS	1
402-1802	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME	TN	1700
402-4510	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME	TN	8739
402-4514	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL POLYMER-MODIFIED BITUM MATL & H LIME	TN	8672
413-0750	TACK COAT	GL	9480
431-1000	GRIND CONC PVMT	SY	500
432-0206	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	SY	806
432-0350	MICRO-MILL ASPHALTIC CONCRETE PAVEMENT, VARIABLE DEPTH	SY	2293
432-5010	MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	78834
441-0104	CONC SIDEWALK, 4 IN	SY	2248
441-0108	CONC SIDEWALK, 8 IN	SY	110
441-0740	CONCRETE MEDIAN, 4 IN	SY	60
441-5002	CONCRETE HEADER CURB, 6 IN, TP 2	LF	10
441-6022	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	LF	135
441-7011	CURB CUT WHEELCHAIR RAMP, TYPE A	EA	24
441-7012	CURB CUT WHEELCHAIR RAMP, TYPE B	EA	33
444-1000	SAWED JOINTS IN EXIST PAVEMENTS - PCC	LF	40
500-9999	CLASS B CONC, BASE OR PVMT WIDENING	CY	4
600-0001	FLOWABLE FILL	CY	50
610-0714	REM CONC MEDIAN	SY	450
610-6520	REM HIGHWAY SIGN, SPCL ROADSIDE	EA	41
610-9001	REM SIGN	EA	15
611-3000	RECONSTR CATCH BASIN, GROUP 1	EA	8
611-5551	RESET SIGN	EA	10
611-8050	ADJUST MANHOLE TO GRADE	EA	10
611-8055	ADJUST MINOR STRUCTURE TO GRADE	EA	53
611-8120	ADJUST WATER METER BOX TO GRADE	EA	45
611-8140	ADJUST WATER VALVE BOX TO GRADE	EA	46
632-0003	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	EA	20
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 11	SF	449
636-2070	GALV STEEL POSTS, TP 7	LF	980
636-4104	PLASTIC FLEXIBLE DELINEATOR, TP 2B	EA	80
639-1600	GUY AND ANCHOR ASSEMBLY	EA	3
639-2002	STEEL WIRE STRAND CABLE, 3/8 IN	LF	1200
647-1000	TRAFFIC SIGNAL INSTALLATION NO -	LS	1
652-0105	PAVEMENT MARKING, BIKE SHARED LANE SYMBOL	EA	12
652-0210	PAVEMENT MARKING, WORD, TP 1	EA	42
652-9001	COLOR-SAFE COLOR PAVEMENT MARKING AND ANTI-SKID SURFACING (GREEN)	SY	561
653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	52
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	128
653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	5
653-0320	THERMOPLASTIC PVMT MARKING, SYMBOL, TP 4	EA	61
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	2890
653-1706	THERMOPLASTIC SOLID TRAF STRIPE, 24IN, YELLOW	LF	2098
653-2501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LM	9
653-2502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LM	10
653-2804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LM	3
653-4501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLM	2
653-4502	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	GLM	1
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	3198
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	2928
654-1001	RAISED PVMT MARKERS TP 1	EA	1063
654-1003	RAISED PVMT MARKERS TP 3	EA	472
654-1010	RAISED PVMT MARKERS TP 10	EA	22
654-2009	RAISED PVMT MARKERS, TYPE ZEBRA 09	EA	68

654-2009	RAISED PVMT MARKERS, TYPE ZEBRA 09	EA	68
654-2013	RAISED PVMT MARKERS, TYPE ZEBRA 13	EA	172
657-1054	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	LF	101
657-1085	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	LF	1459
657-1244	PREFORMED PLASTIC SOLID PVMT MKG, 24 IN, WHITE, TP PB	LF	138
657-3054	PREFORMED PLASTIC SKIP PVMT MKG, 5 IN, WHITE, TP PB	GLF	336
657-5525	PREFORMED PLASTIC PVMT MKG, ARROW, CONTRAST (BLACK-WHITE), TP 2A	EA	5
659-7015	HOT APPLIED PREFORMED PLASTIC PVMT MKG, BIKE LANE MARKING, TP P	EA	5
668-6106	TRENCH DRAIN, 6 IN	LF	93
999-3800	RECTANGULAR RAPID BEACON ASSEMBLY	EA	10
999-5200	DETECTABLE WARNING SURFACE	SF	430
XXX-XXXX	RAISED BUS STOP ISLAND ASSEMBLY	EA	1
XXX-XXXX	TREE REMOVAL & STUMP GRINDING	EA	6

10/23/2015

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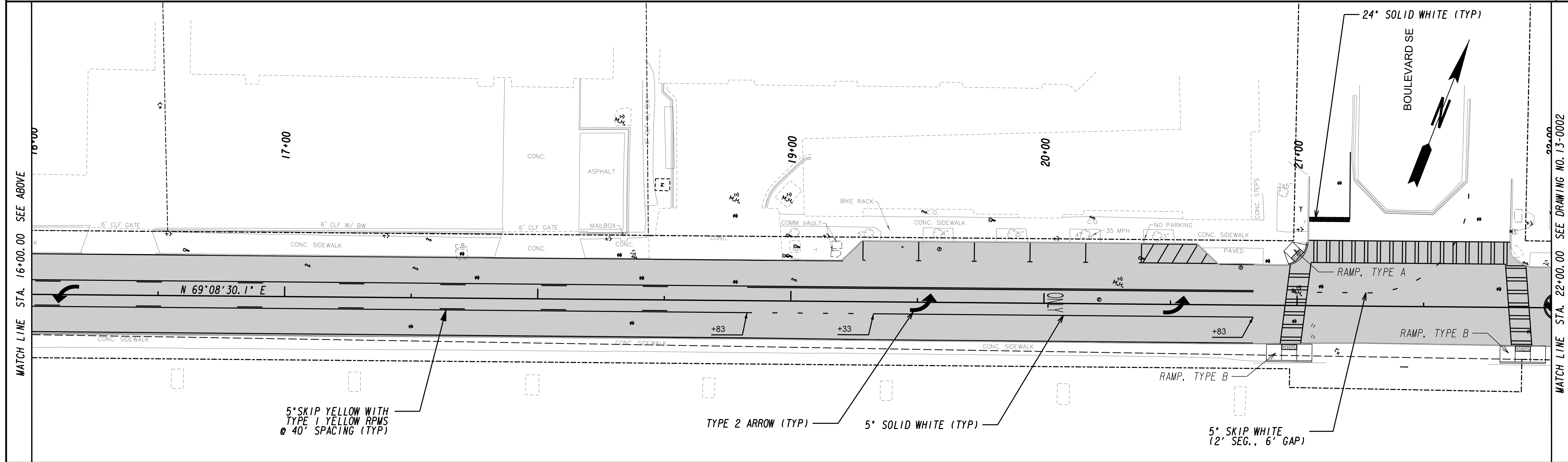
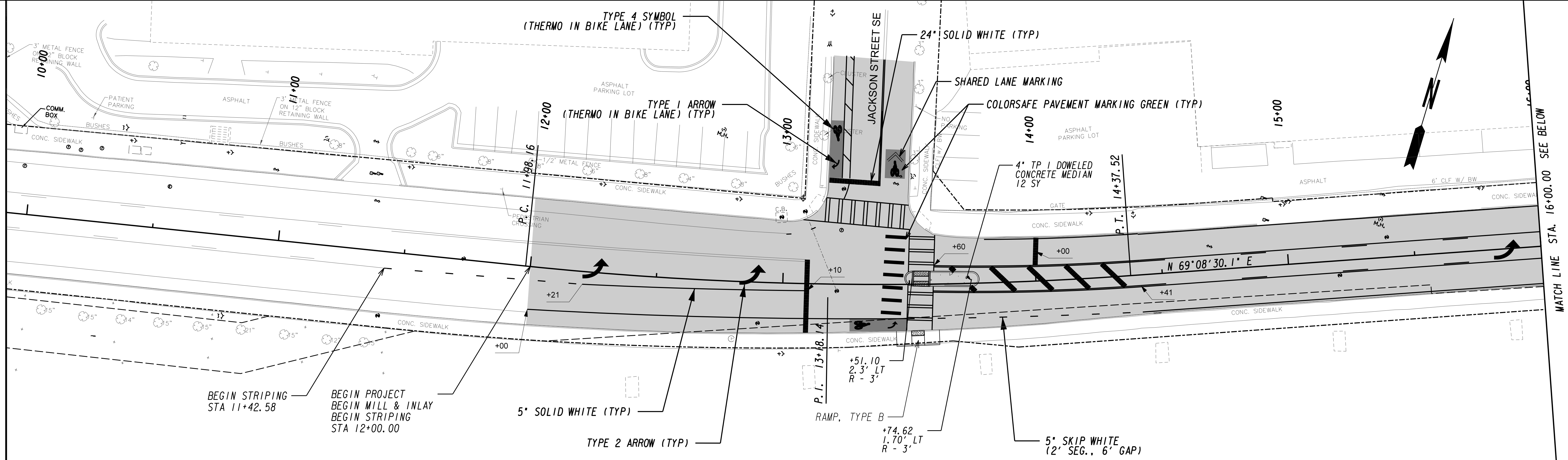
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PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

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---C---

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END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

SCALE IN FEET

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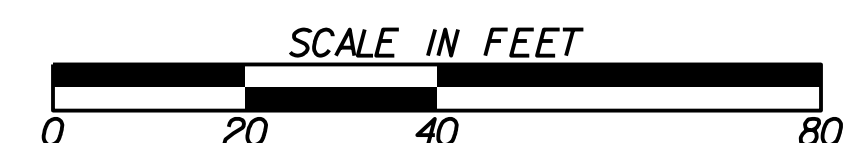
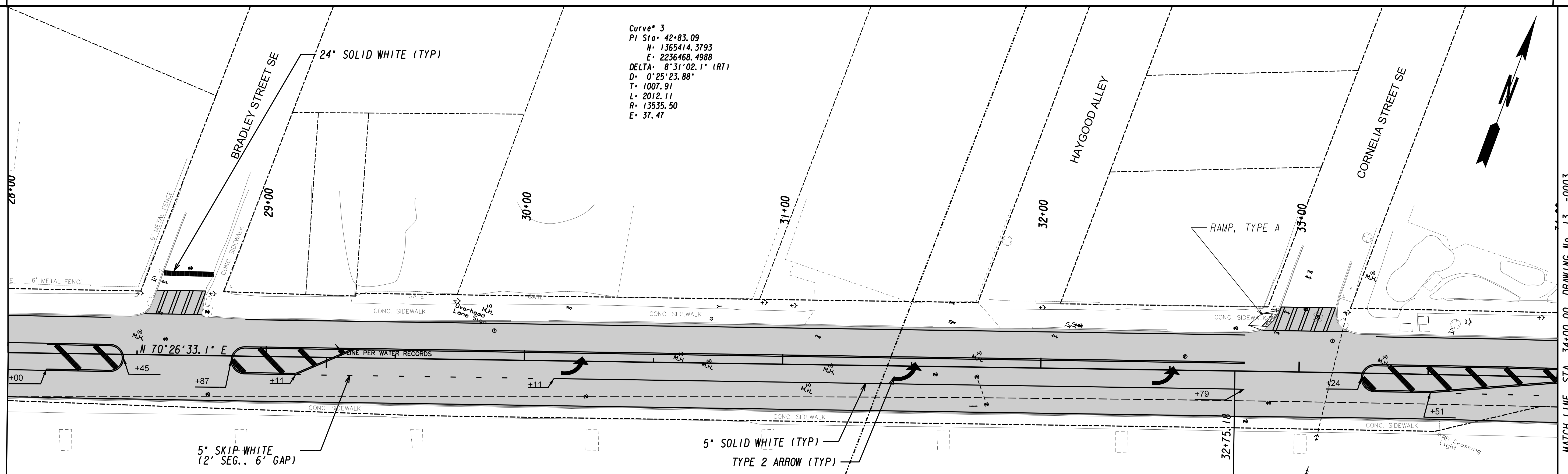
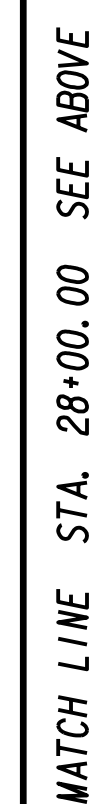
REVISION DATES

CONSTRUCTION PLAN

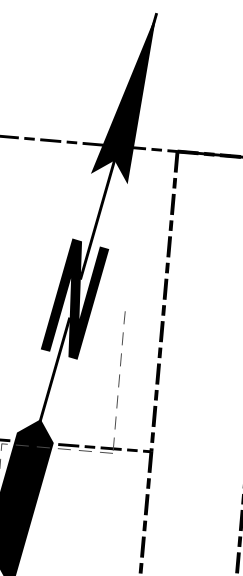
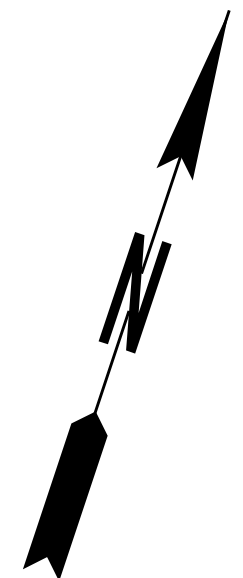
DEKALB AVENUE SAFETY IMPROVEMENTS

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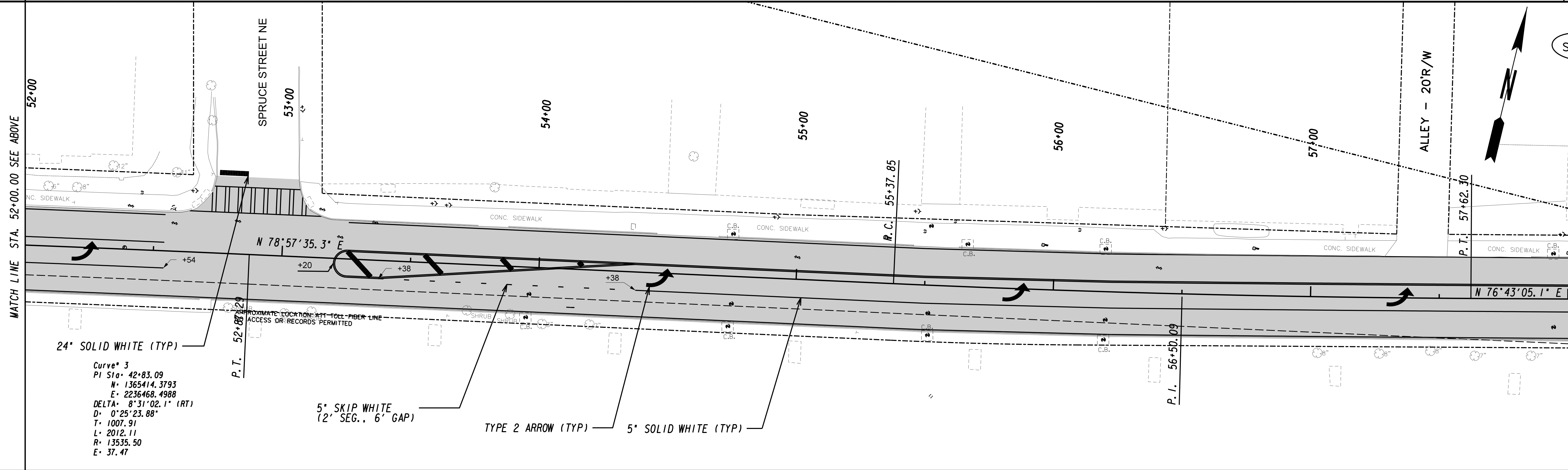
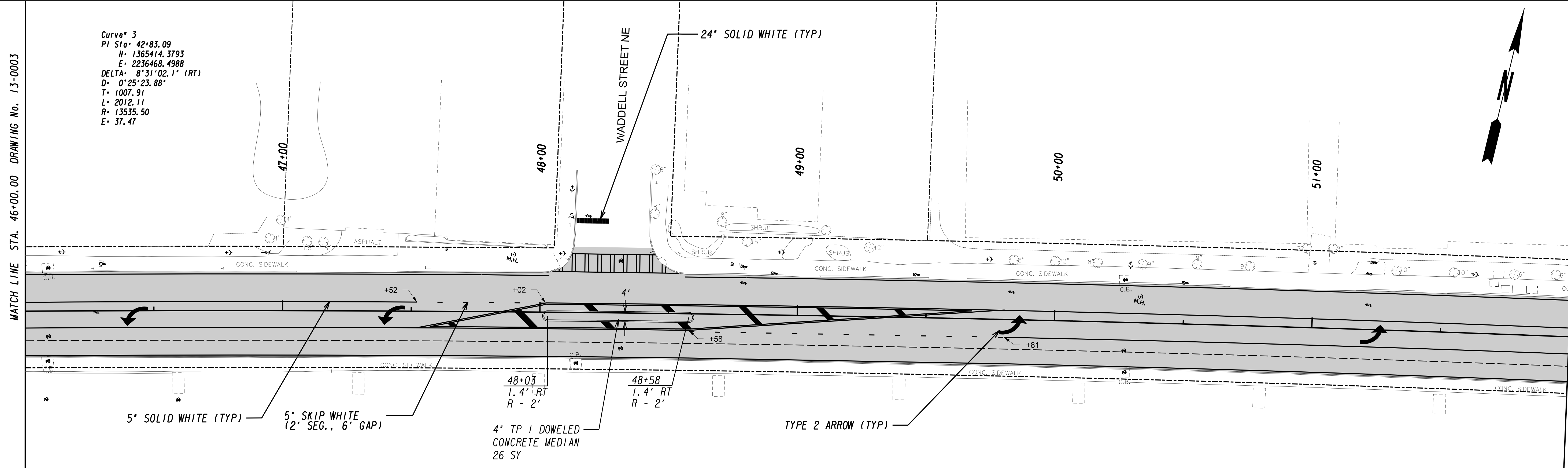
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PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

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LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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CONSTRUCTION PLAN

DEKALB AVENUE SAFETY IMPROVEMENTS

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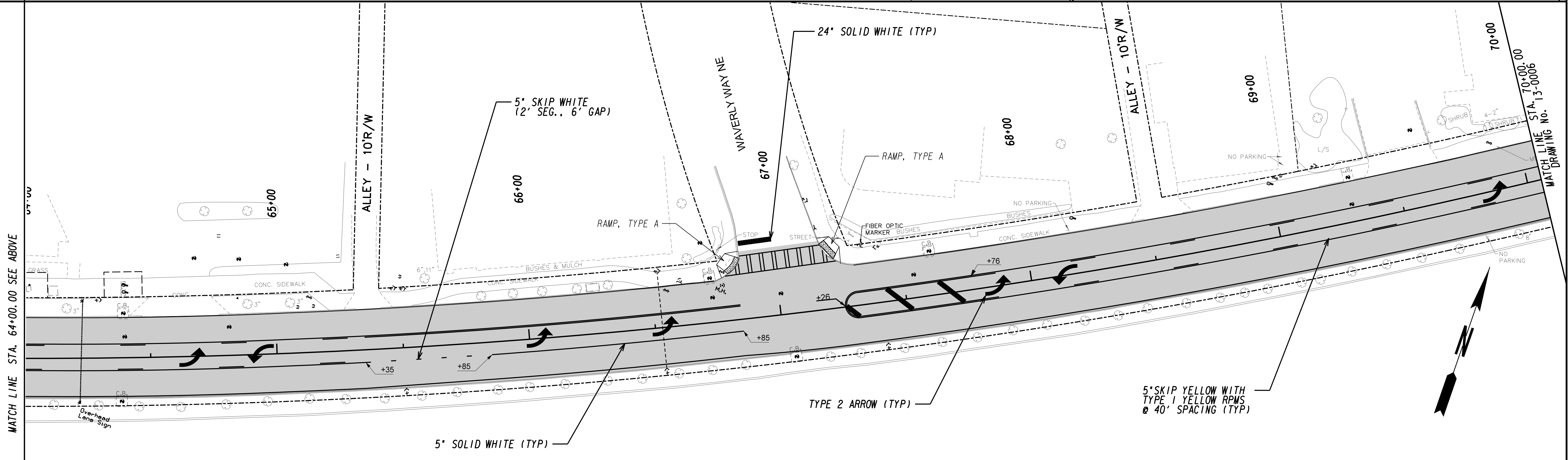
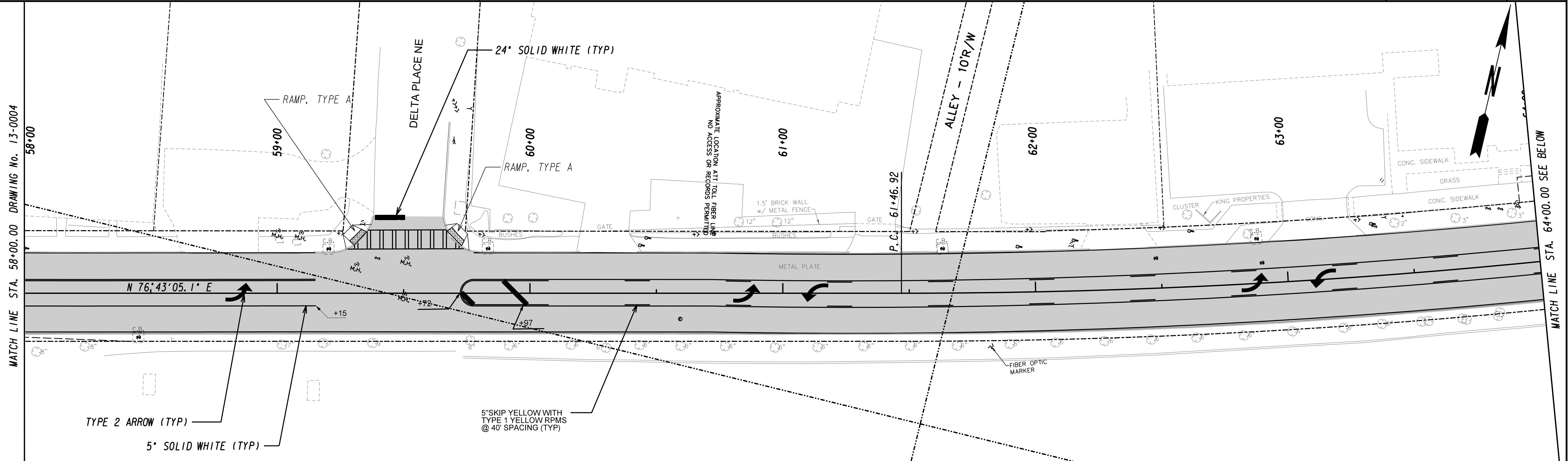
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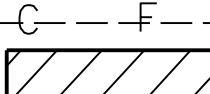
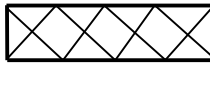
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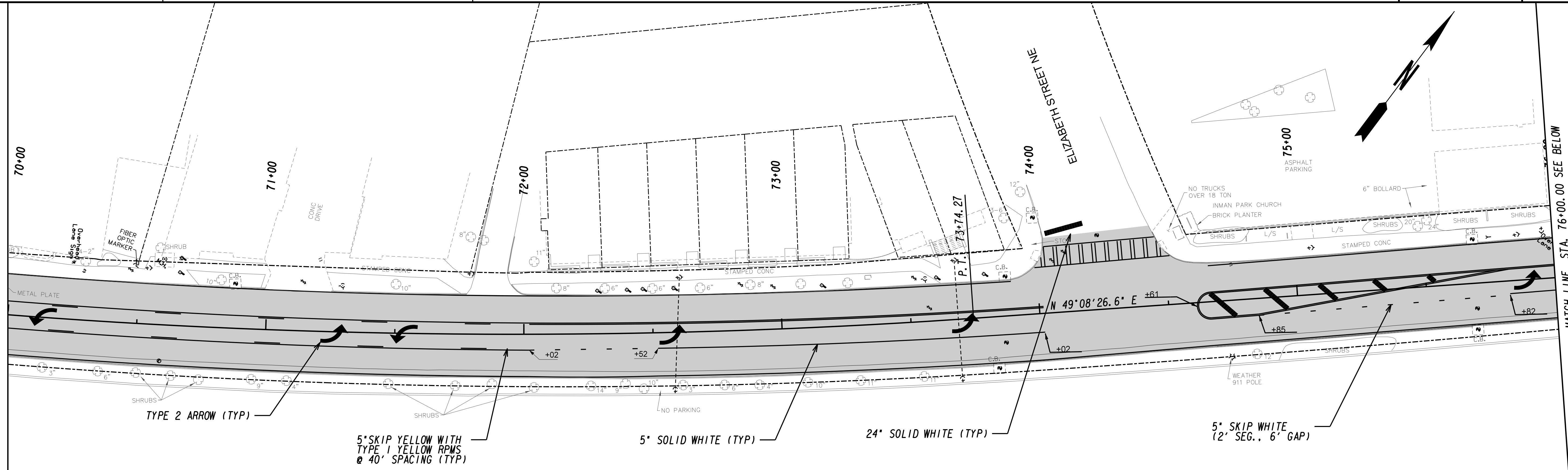


PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	-----P-----	BEGIN LIMIT OF ACCESS.....BLA	 Design & Consultancy for natural and built assets	REVISION DATES		CONSTRUCTION PLAN				
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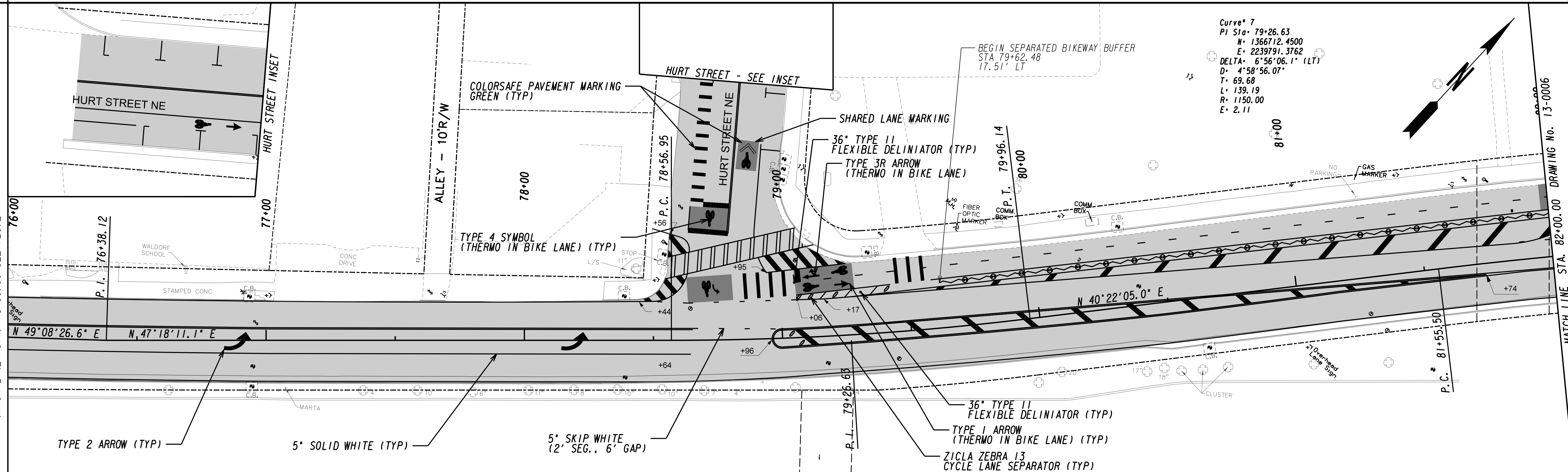


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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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REVISION DATES

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DEKALB AVENUE SAFETY IMPROVEMENTS

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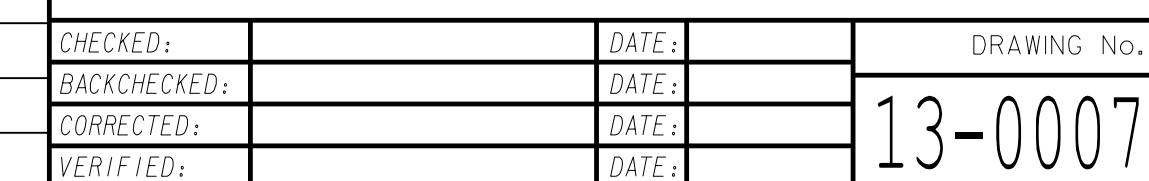
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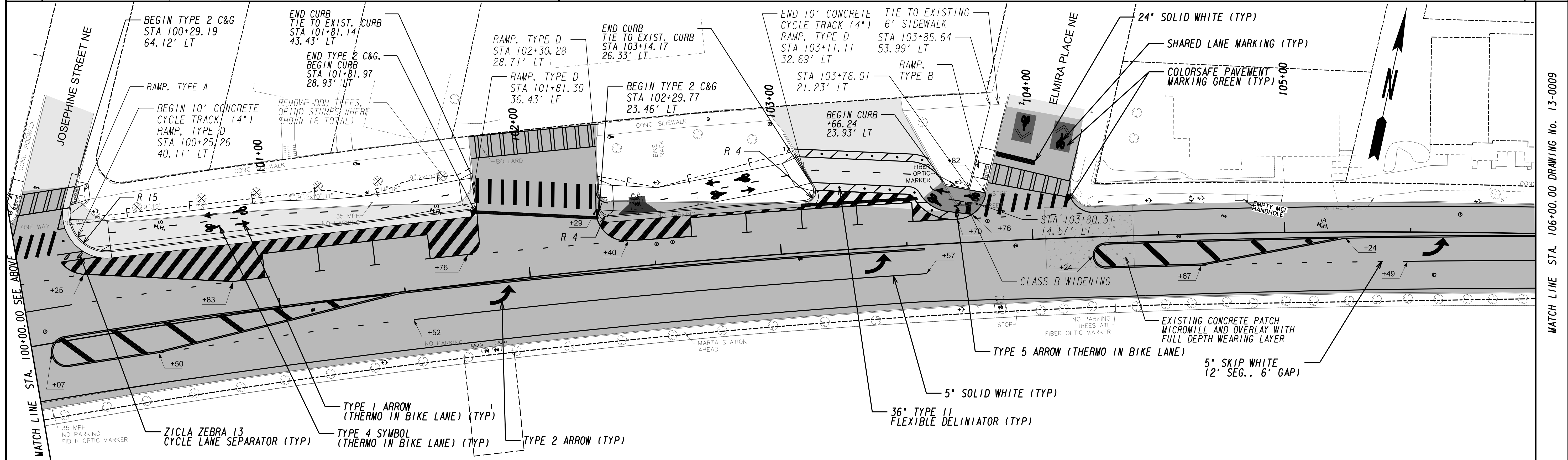
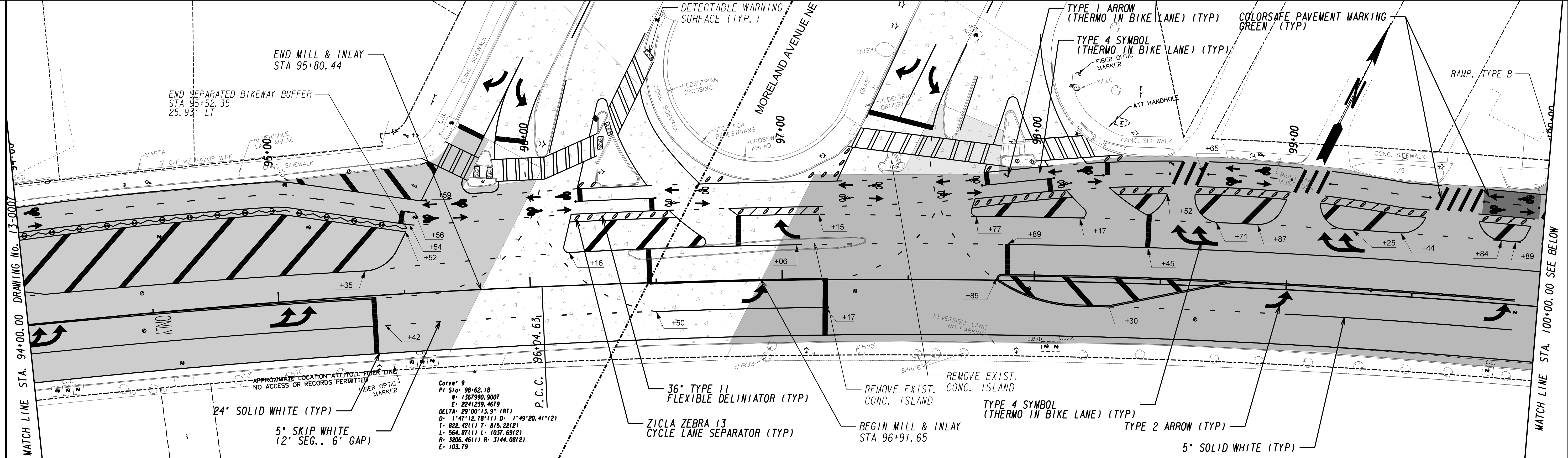
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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REVISION DATES

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CONSTRUCTION PLAN

DEKALB AVENUE SAFETY IMPROVEMENTS

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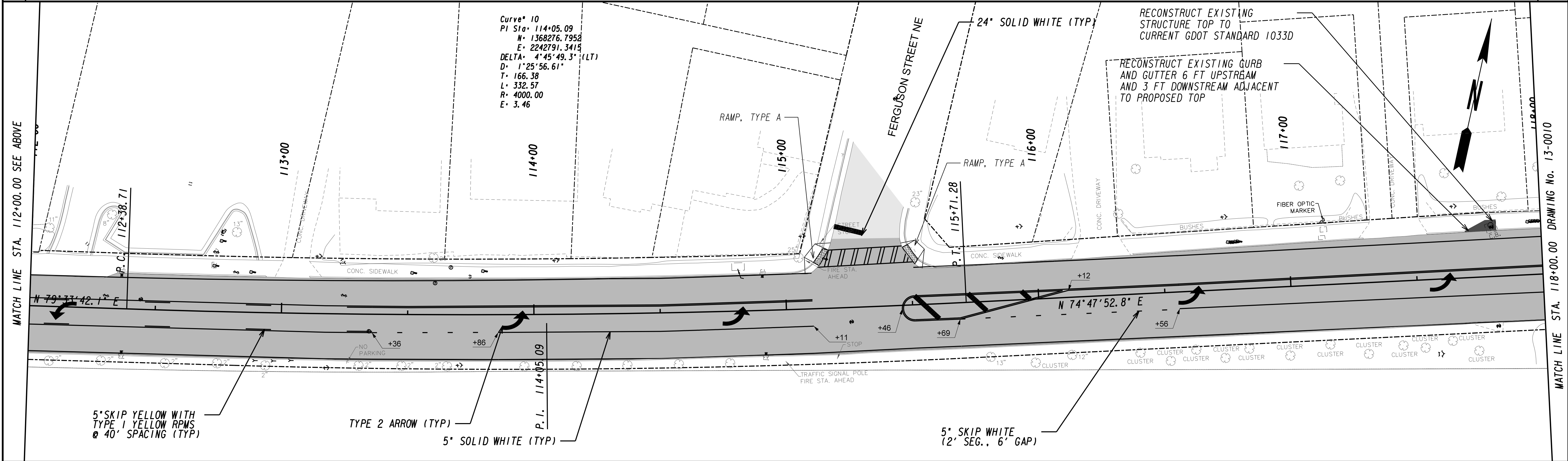
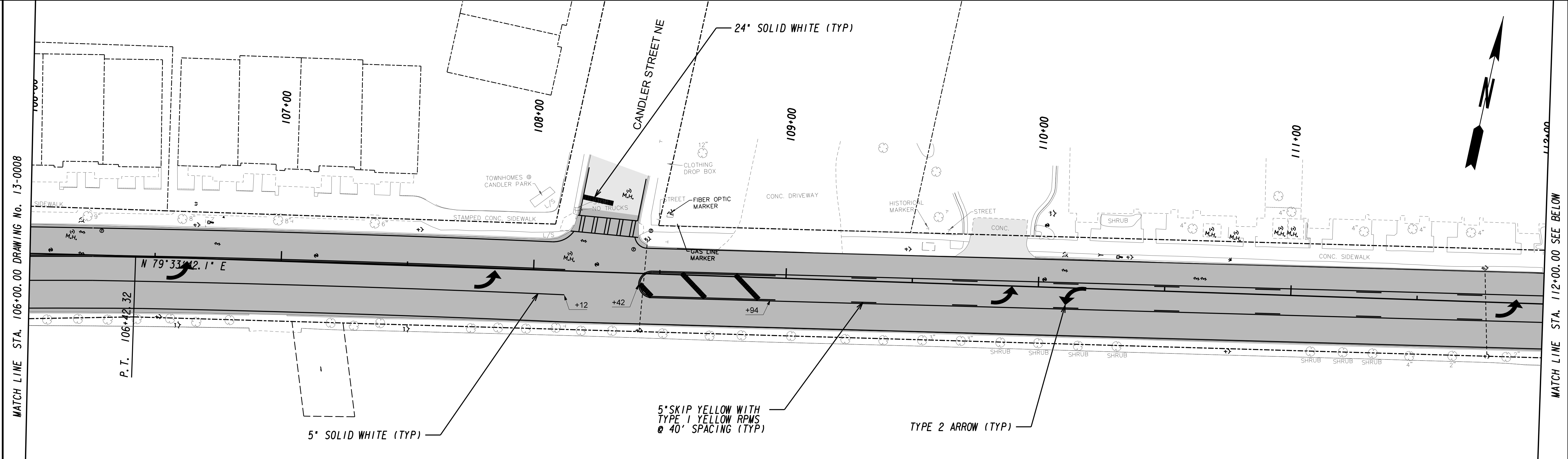
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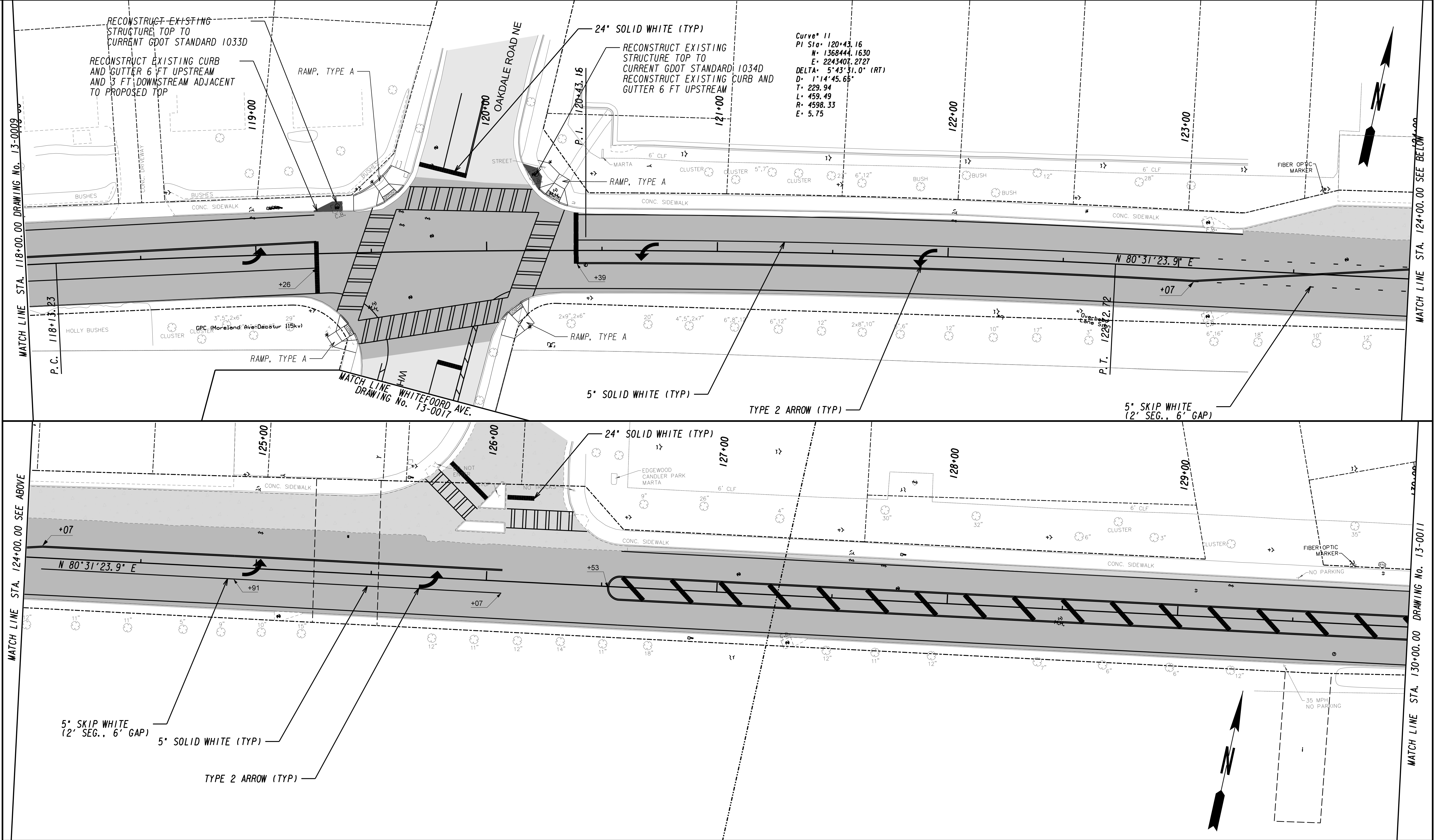
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	-----P-----	BEGIN LIMIT OF ACCESS.....BLA	 Design & Consultancy for natural and built assets	REVISION DATES		CONSTRUCTION PLAN			
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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS
Design & Consultancy
for natural and
built assets

SCALE IN FEET
0 20 40 80

REVISION DATES

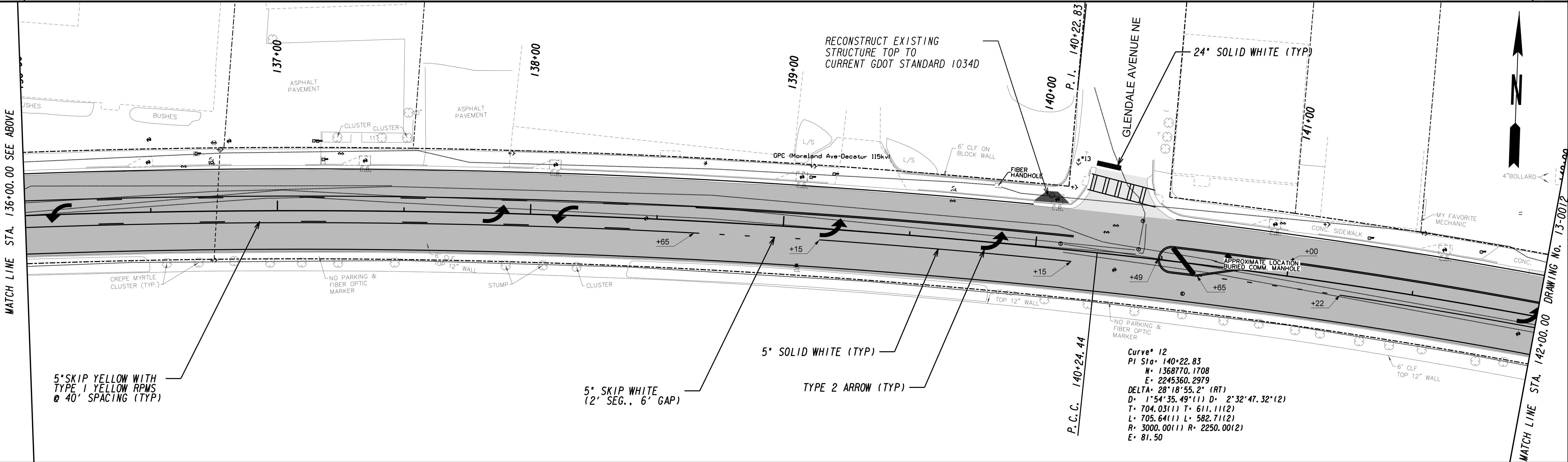
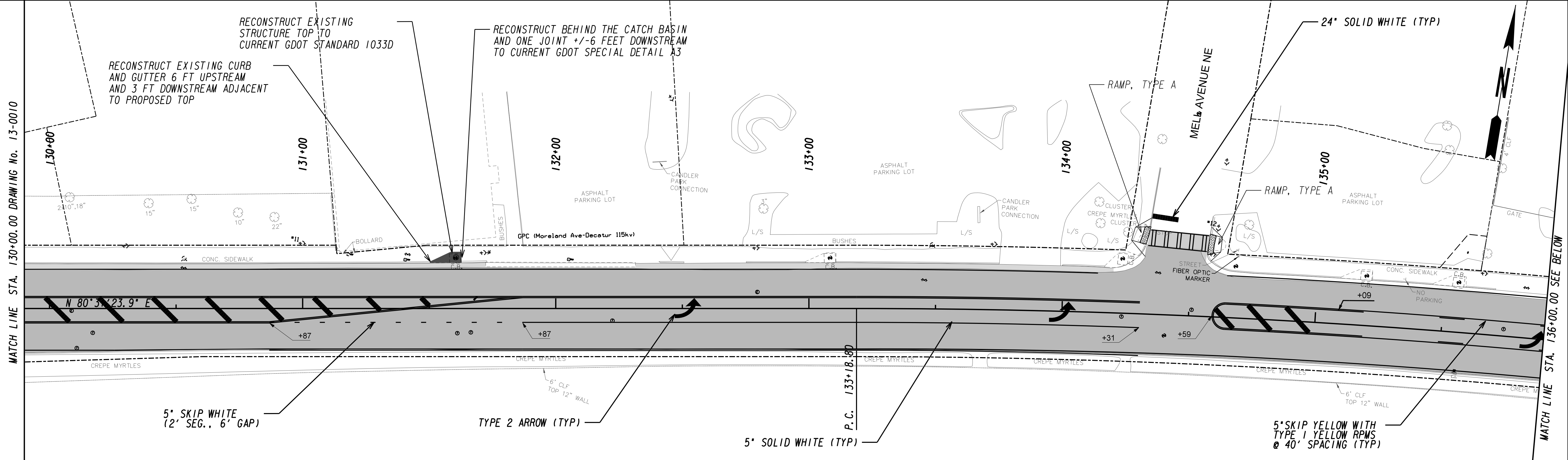
CONSTRUCTION PLAN
DEKALB AVENUE SAFETY IMPROVEMENTS

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13-0010

10/23/2015

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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS

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built assets

SCALE IN FEET

0 20 40 80

REVISION DATES

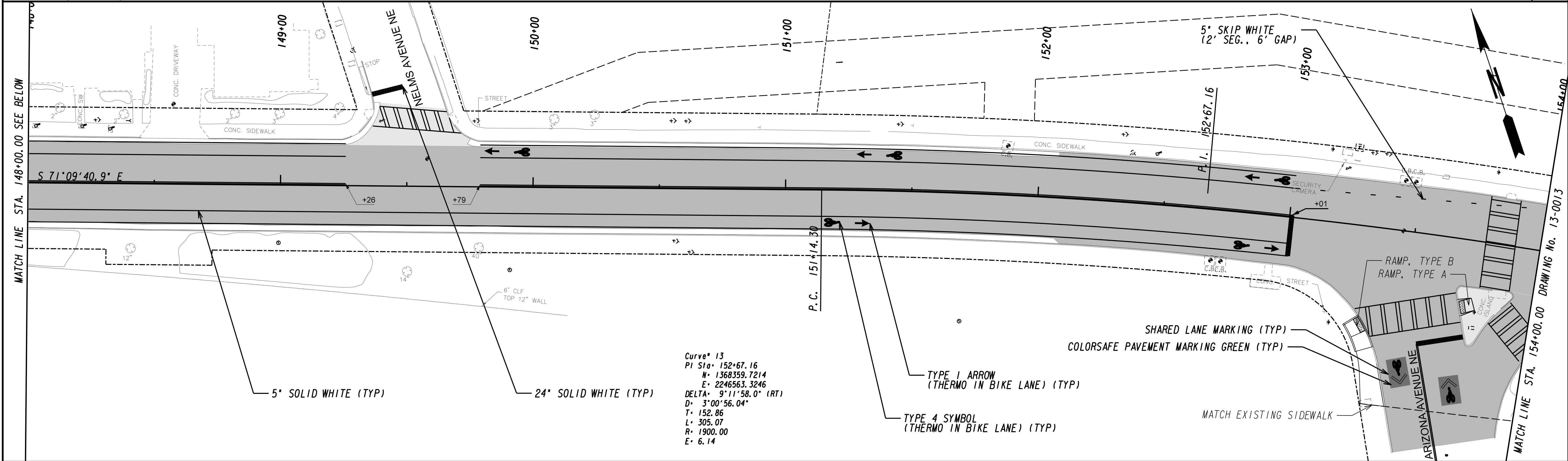
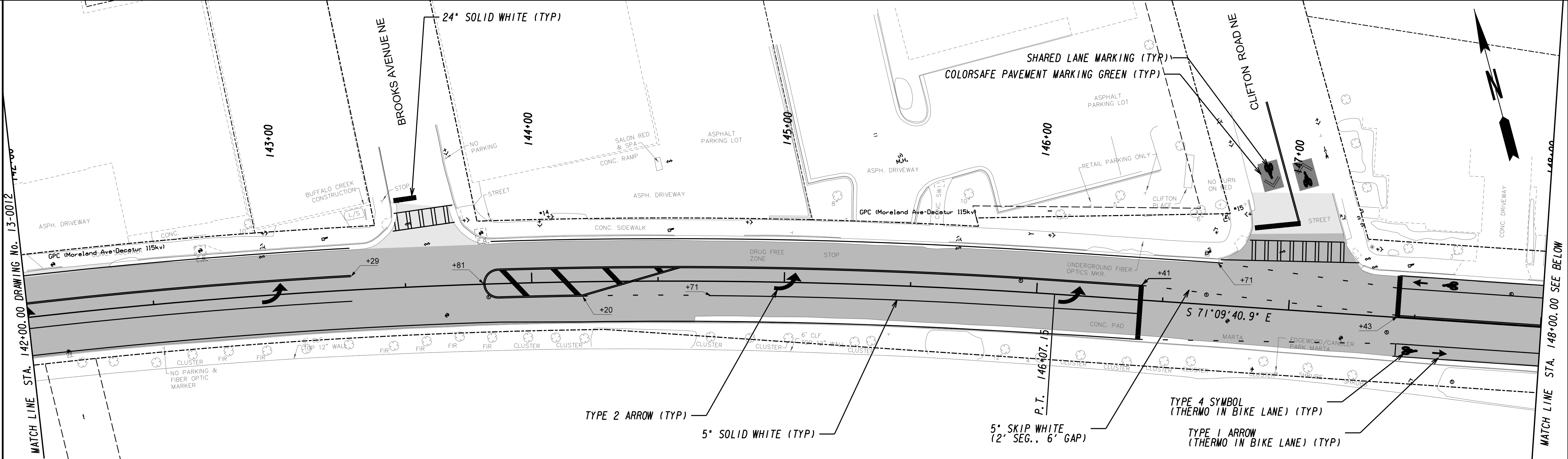
CONSTRUCTION PLAN

DEKALB AVENUE SAFETY IMPROVEMENTS

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10/23/2015

GPILOT



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS

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built assets

SCALE IN FEET

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REVISION DATES

CONSTRUCTION PLAN
DEKALB AVENUE SAFETY IMPROVEMENTS

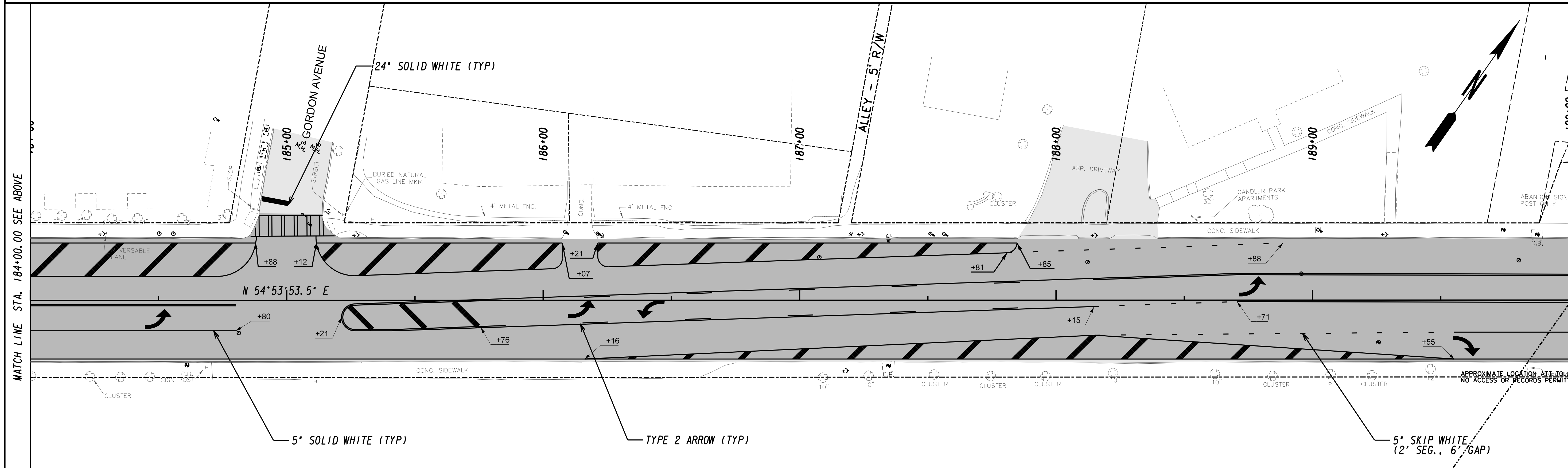
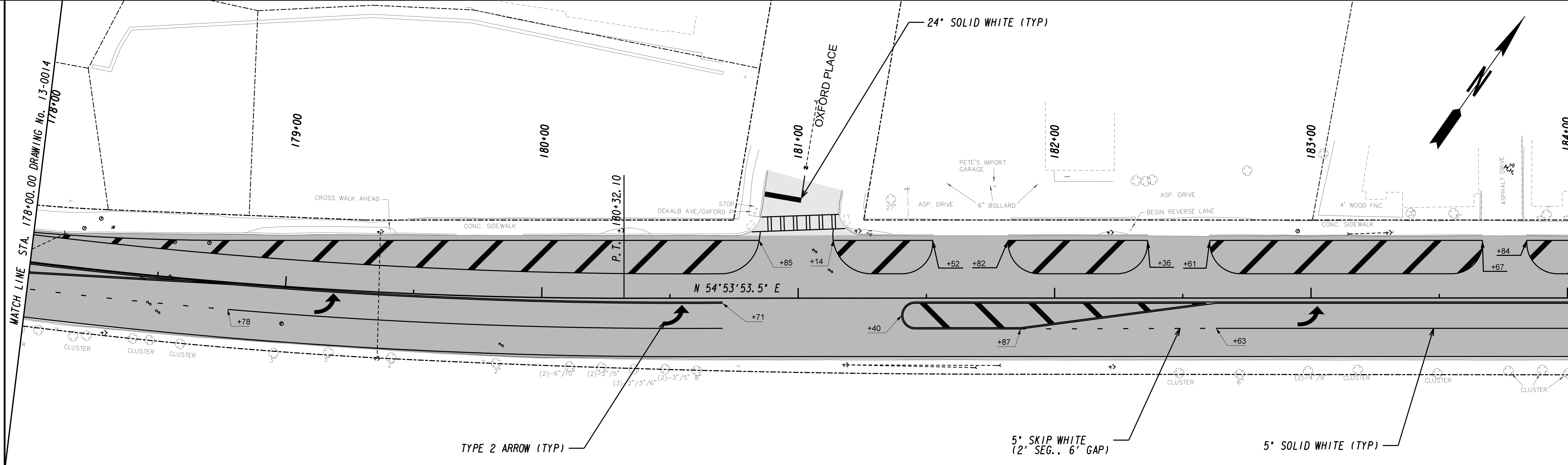
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DRAWING No.
13-0012

10/23/2015

GPLN



PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

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built assets

SCALE IN FEET

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REVISION DATES

CONSTRUCTION PLAN

DEKALB AVENUE SAFETY IMPROVEMENTS

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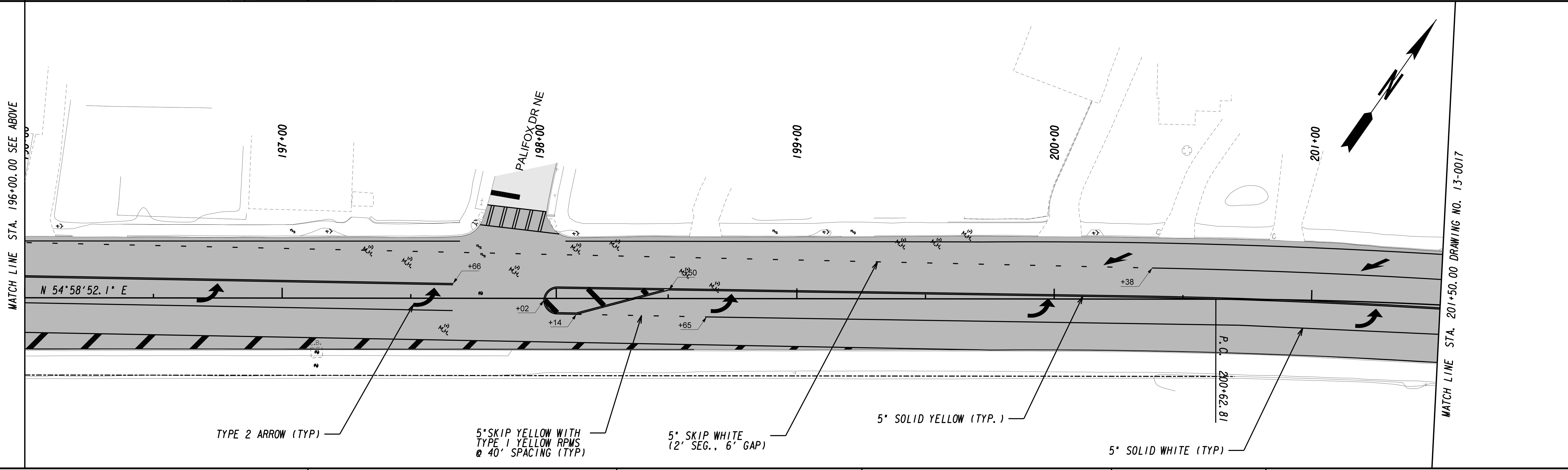
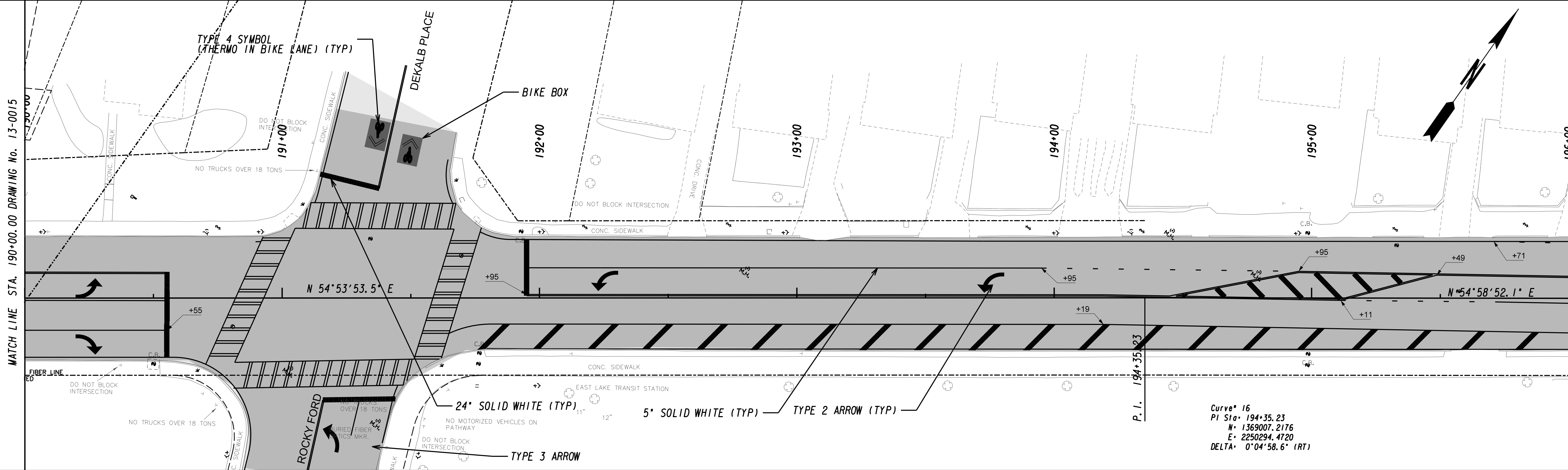
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13-0015

10/23/2015

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PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS

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built assets

SCALE IN FEET

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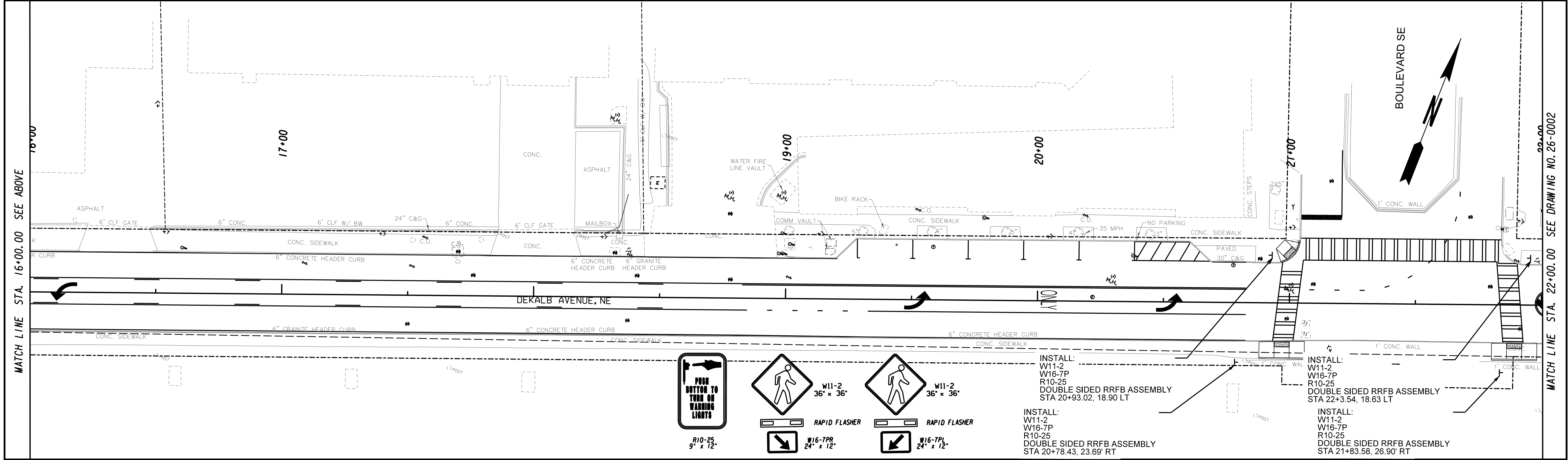
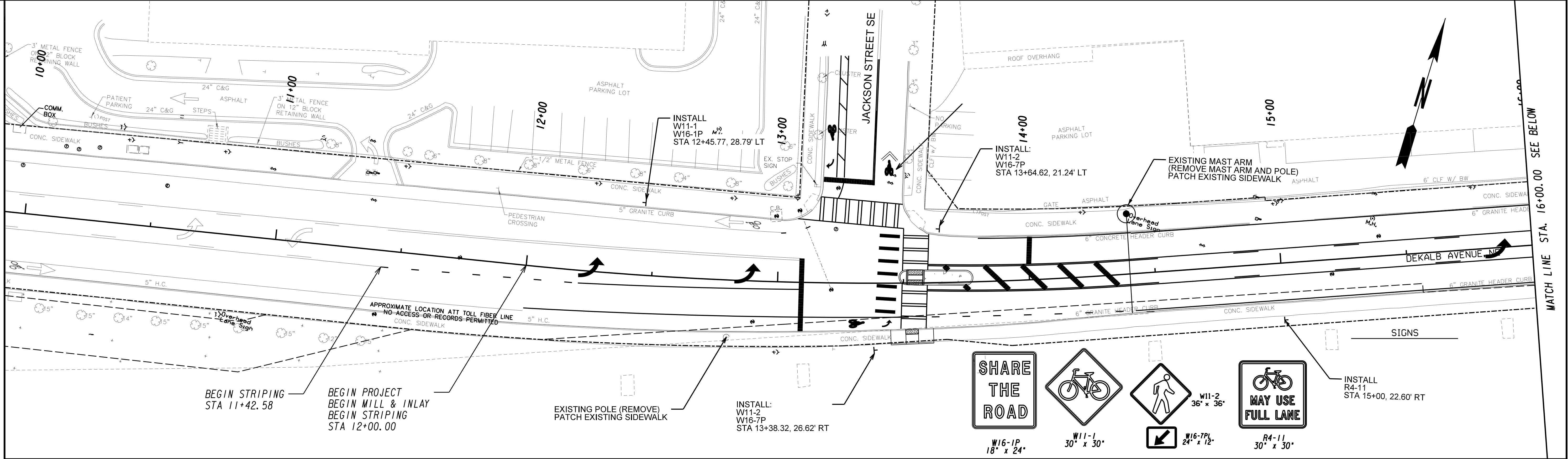
REVISION DATES

CONSTRUCTION PLAN
DEKALB AVENUE SAFETY IMPROVEMENTS

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DRAWING No.
13-0016



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ARCADIS

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built assets

SCALE IN FEET

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REVISION DATES

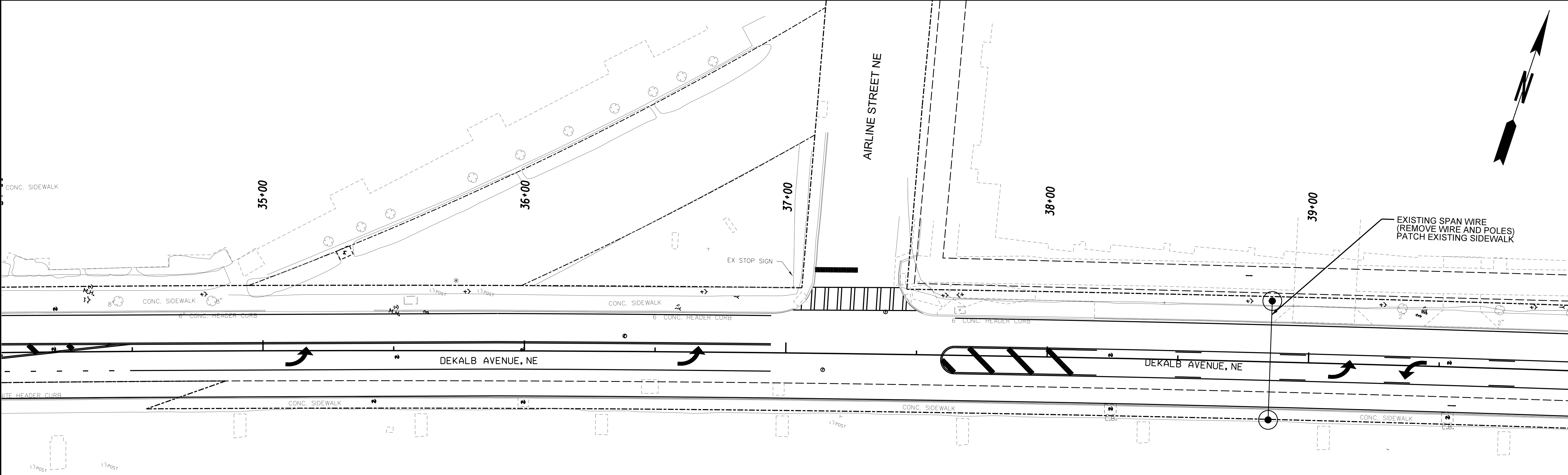
SIGNING AND MARKING PLANS
DEKALB AVENUE SAFETY IMPROVEMENTS

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10/23/2015

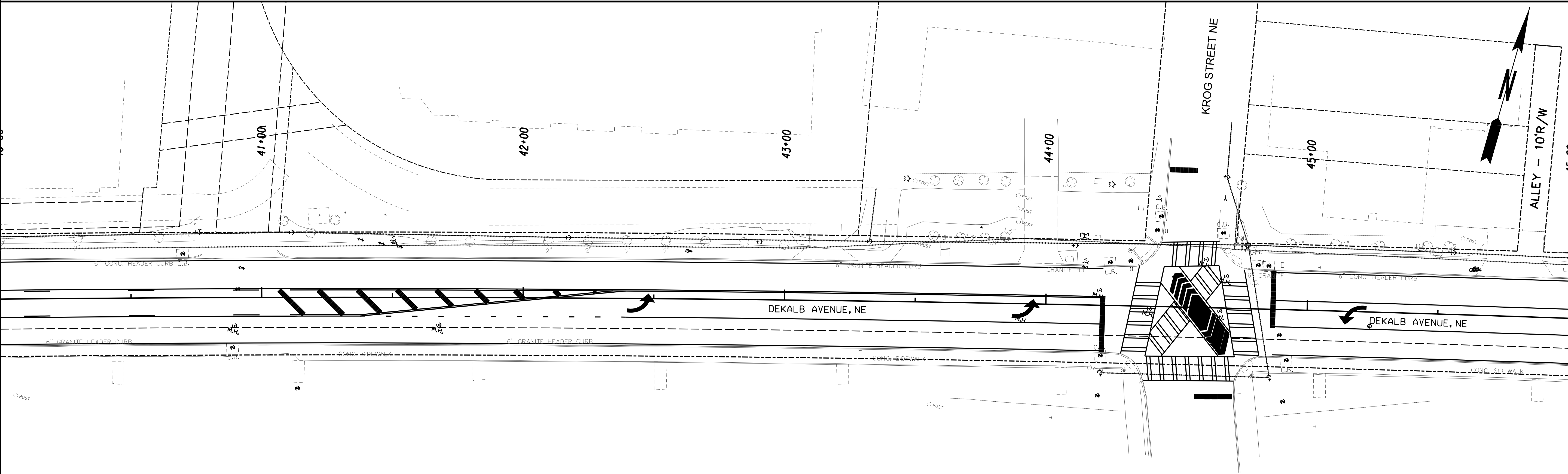
GPLAN

MATCH LINE STA. 34+00.00 DRAWING No. 26-0002



MATCH LINE STA. 40+00.00 SEE BELOW

MATCH LINE STA. 40+00.00 SEE ABOVE



MATCH LINE STA. 46+00.00 DRAWING No. 26-0004

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

---P---
---C---F---

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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built assets

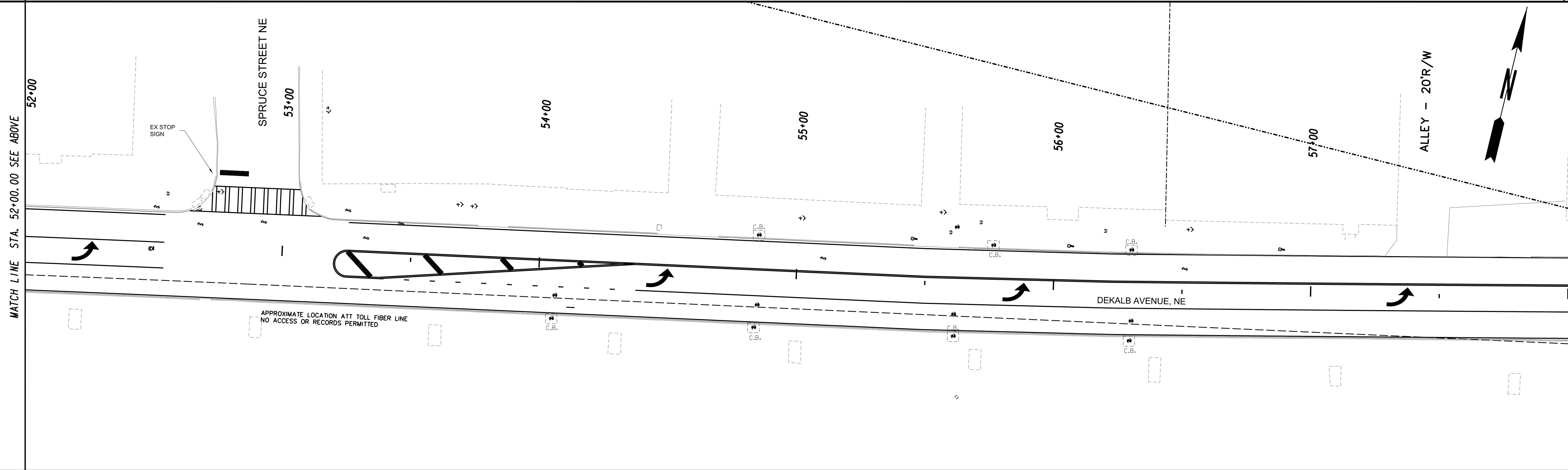
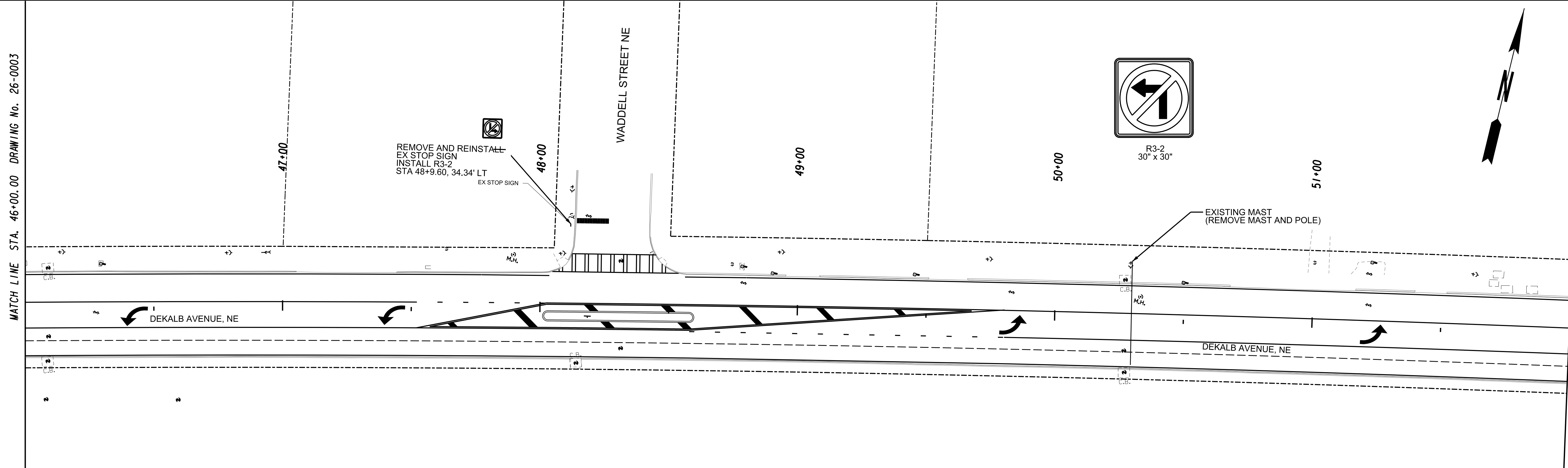
SCALE IN FEET

REVISION DATES

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SIGNING AND MARKING PLAN
DEKALB AVENUE SAFETY IMPROVEMENTS

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CORRECTED:	DATE:	
VERIFIED:	DATE:	



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

-----P-----
-----C-----F-----

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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for natural and built assets

SCALE IN FEET

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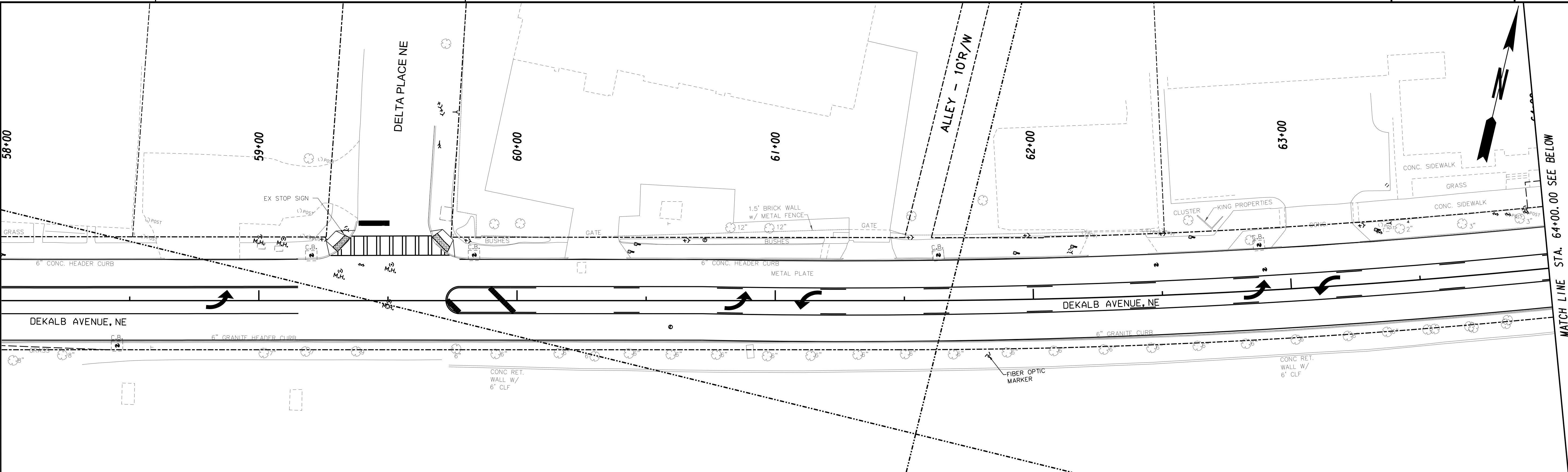
REVISION DATES

SIGNING AND MARKING PLAN
DEKALB AVENUE SAFETY IMPROVEMENTS

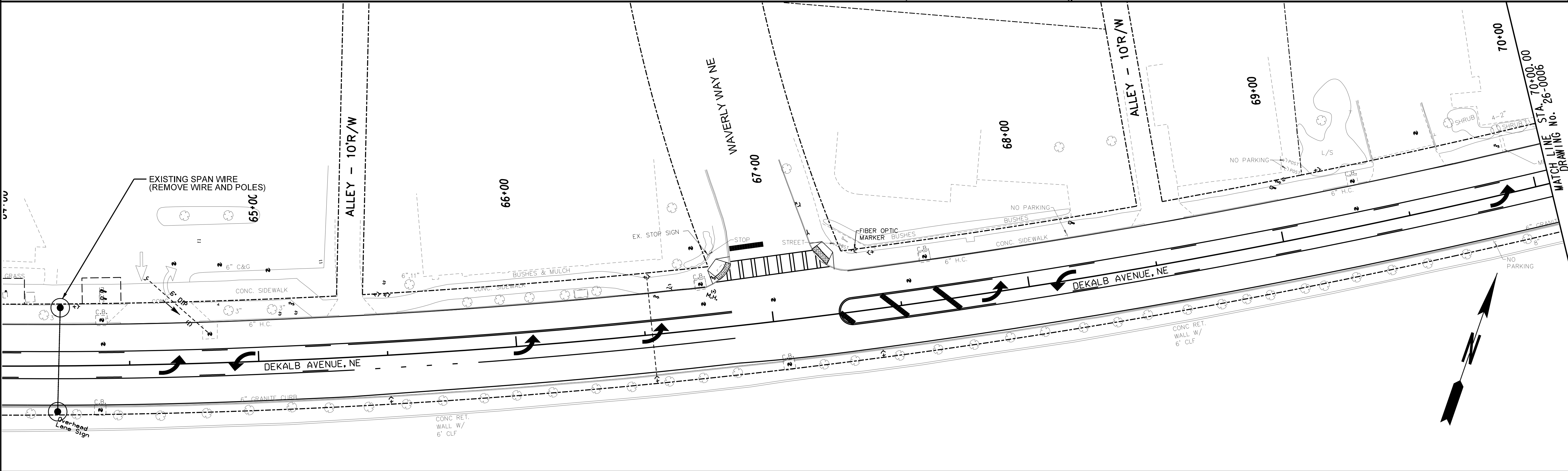
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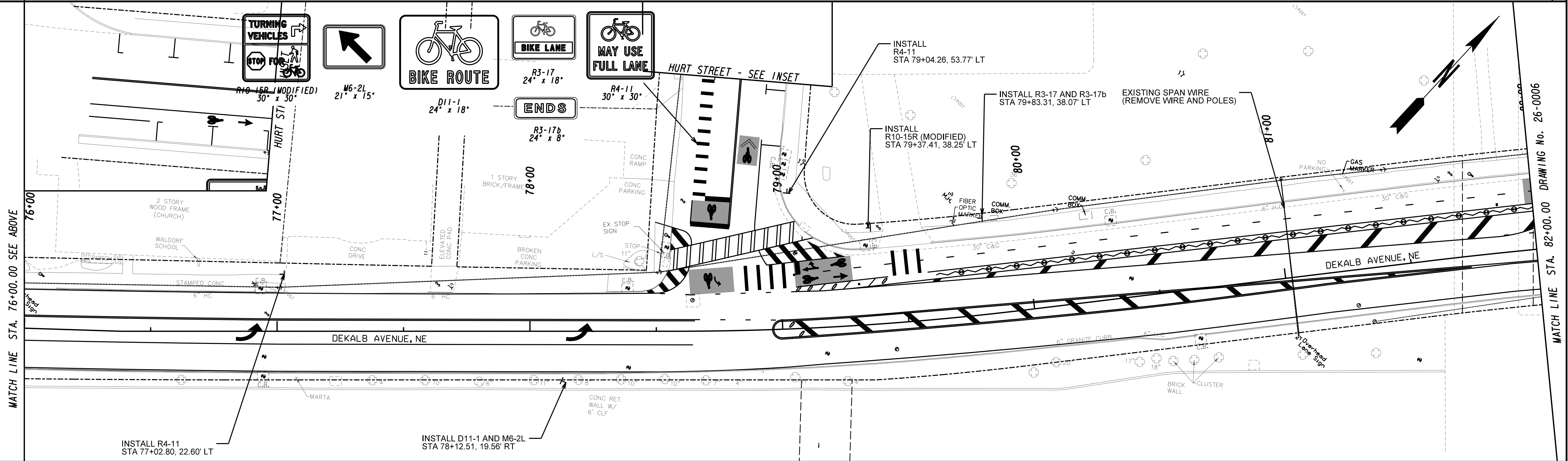
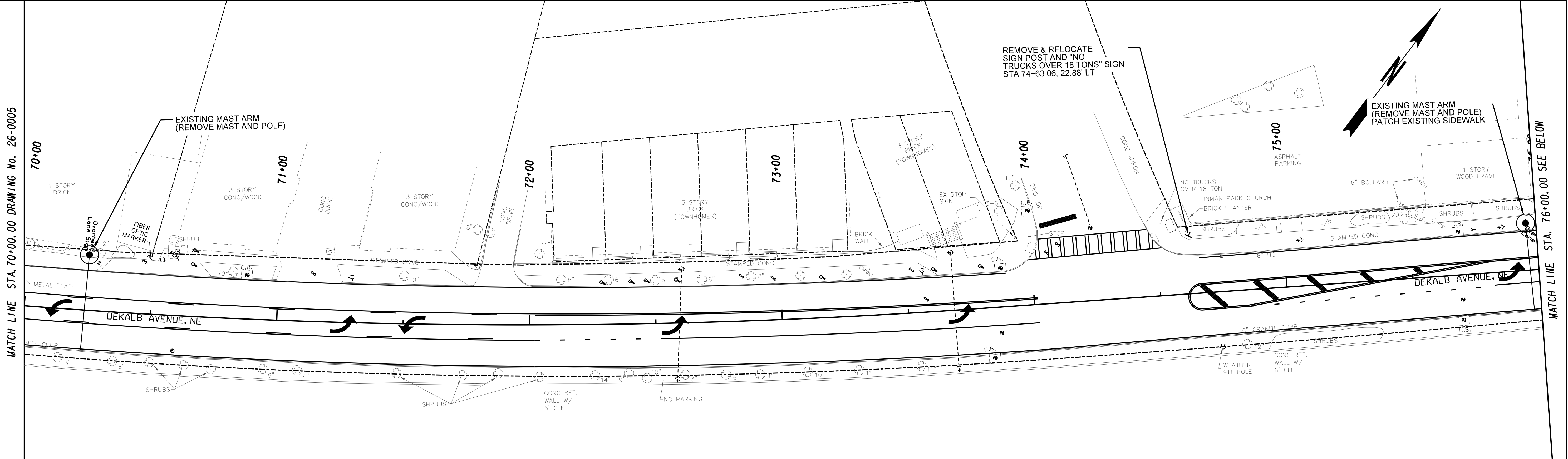
MATCH LINE STA. 58+00.00 DRAWING No. 26-0004



MATCH LINE STA. 64+00.00 SEE ABOVE



PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	-----P----- -----C-----F----- [Hatched Box] [Hatched Box] [Hatched Box]	BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS ORANGE BARRIER FENCE ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)	-----O-----O----- [Hatched Box] [Hatched Box] [Hatched Box] [Hatched Box]	ARCADIS Design & Consultancy for natural and built assets	SCALE IN FEET 0 20 40 80	REVISION DATES			SIGNING AND MARKING PLAN DEKALB AVENUE SAFETY IMPROVEMENTS			
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						CORRECTED:		DATE:				
						VERIFIED:		DATE:				



PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES		BEGIN LIMIT OF ACCESS.....BLA	
		END LIMIT OF ACCESS.....ELA	
		LIMIT OF ACCESS	
		REQ'D R/W & LIMIT OF ACCESS	
ORANGE BARRIER FENCE			
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)			

Design & Consultancy
for natural and
built assets

SCALE IN FEET

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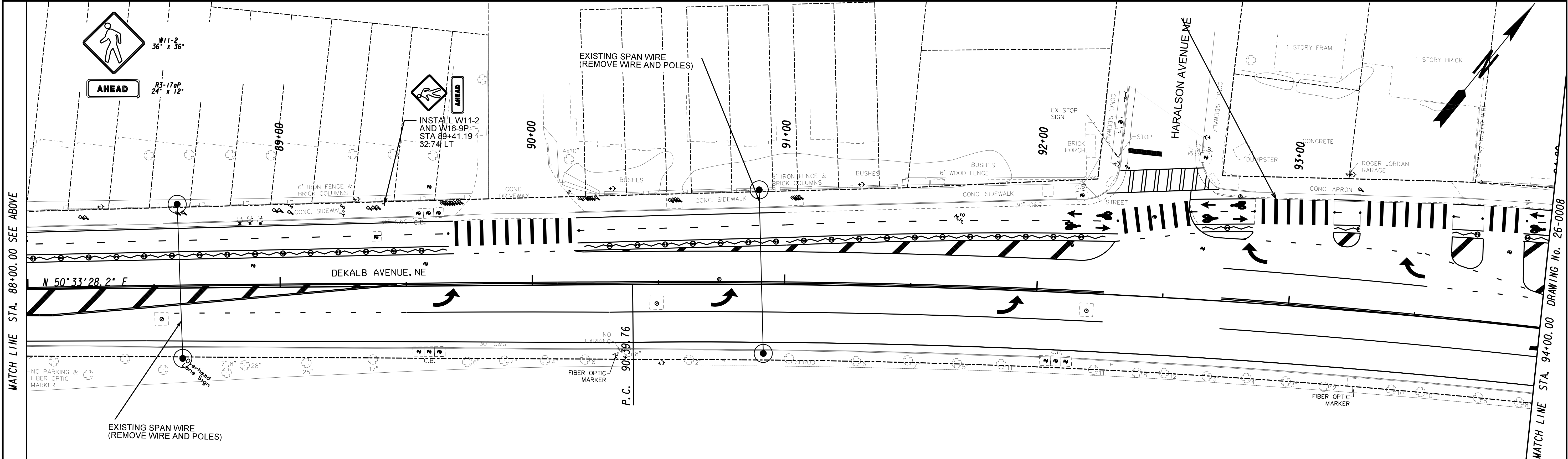
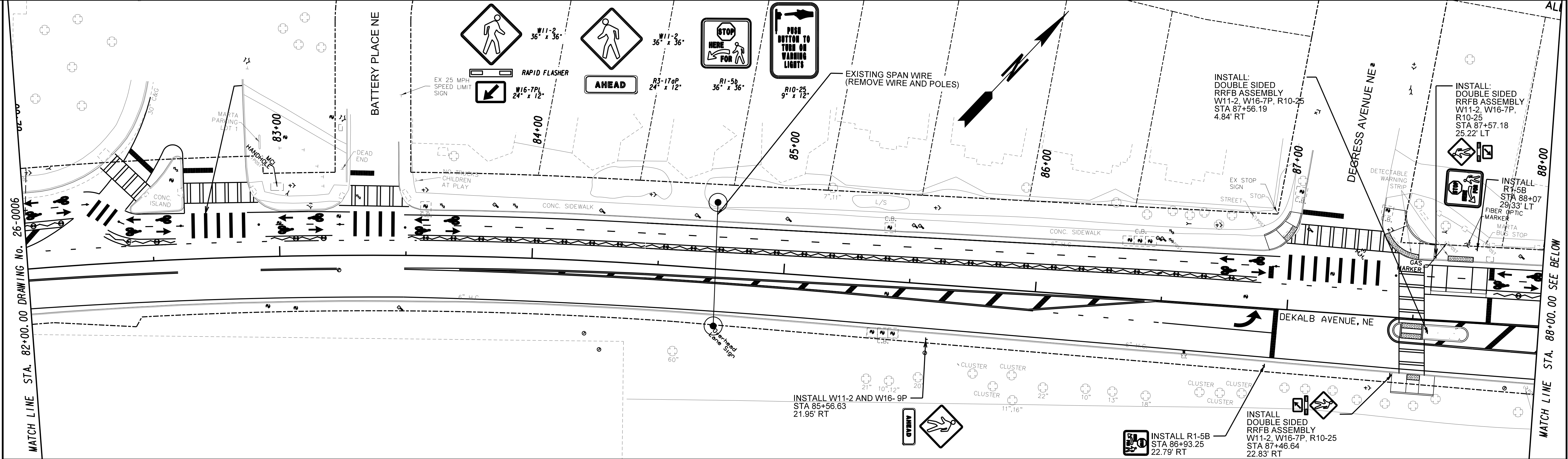
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REVISION DATES			

SIGNING AND MARKING PLAN			
DEKALB AVENUE SAFETY IMPROVEMENTS			
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26-0006



PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

-----P-----

-----C-----F-----

BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

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built assets

SCALE IN FEET

0 20 40 80

REVISION DATES

①	8-7-2020	AA

SIGNING AND MARKING PLAN

DEKALB AVENUE SAFETY IMPROVEMENTS

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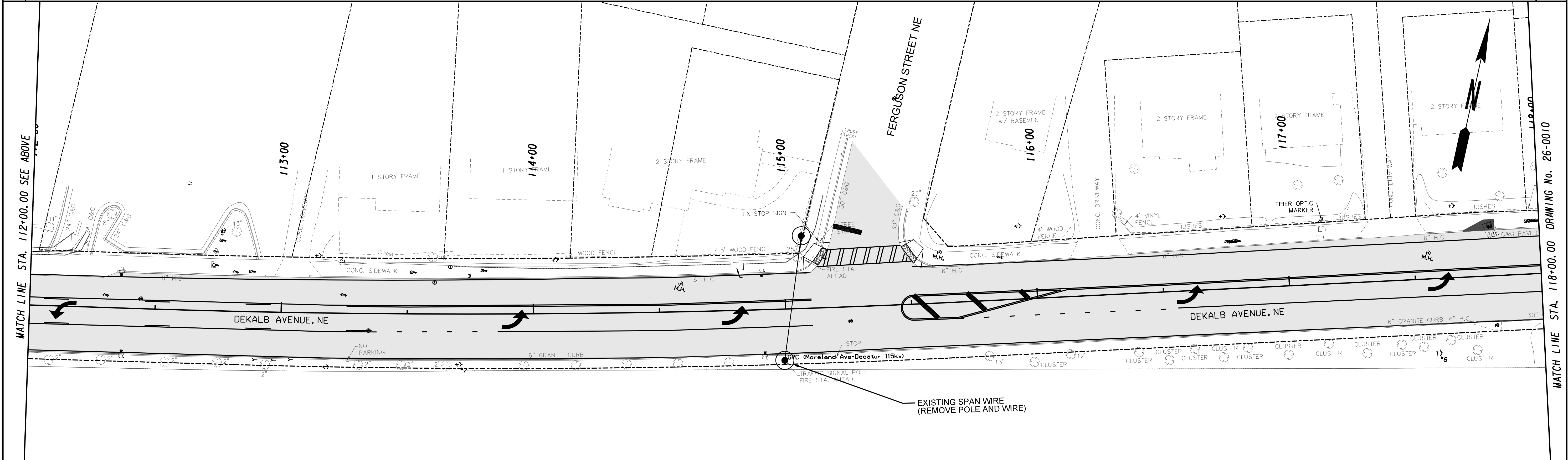
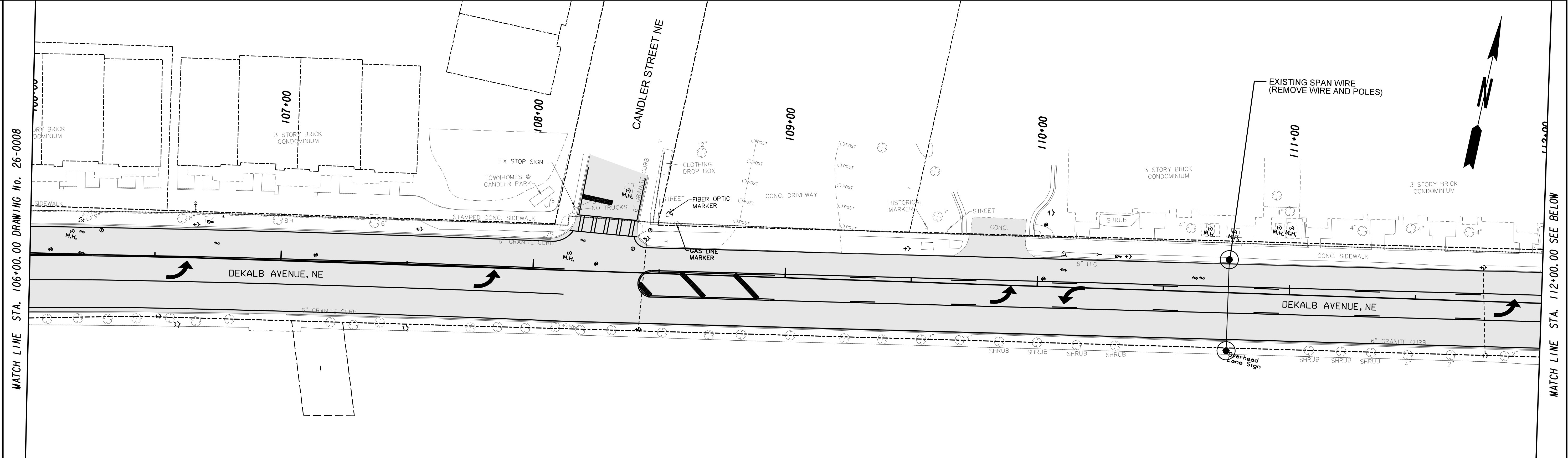
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26-0007



SIGNING AND MARKING PLAN DEKALB AVENUE SAFETY IMPROVEMENTS			
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			DRAWING No. 26-0008



PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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for natural and
built assets

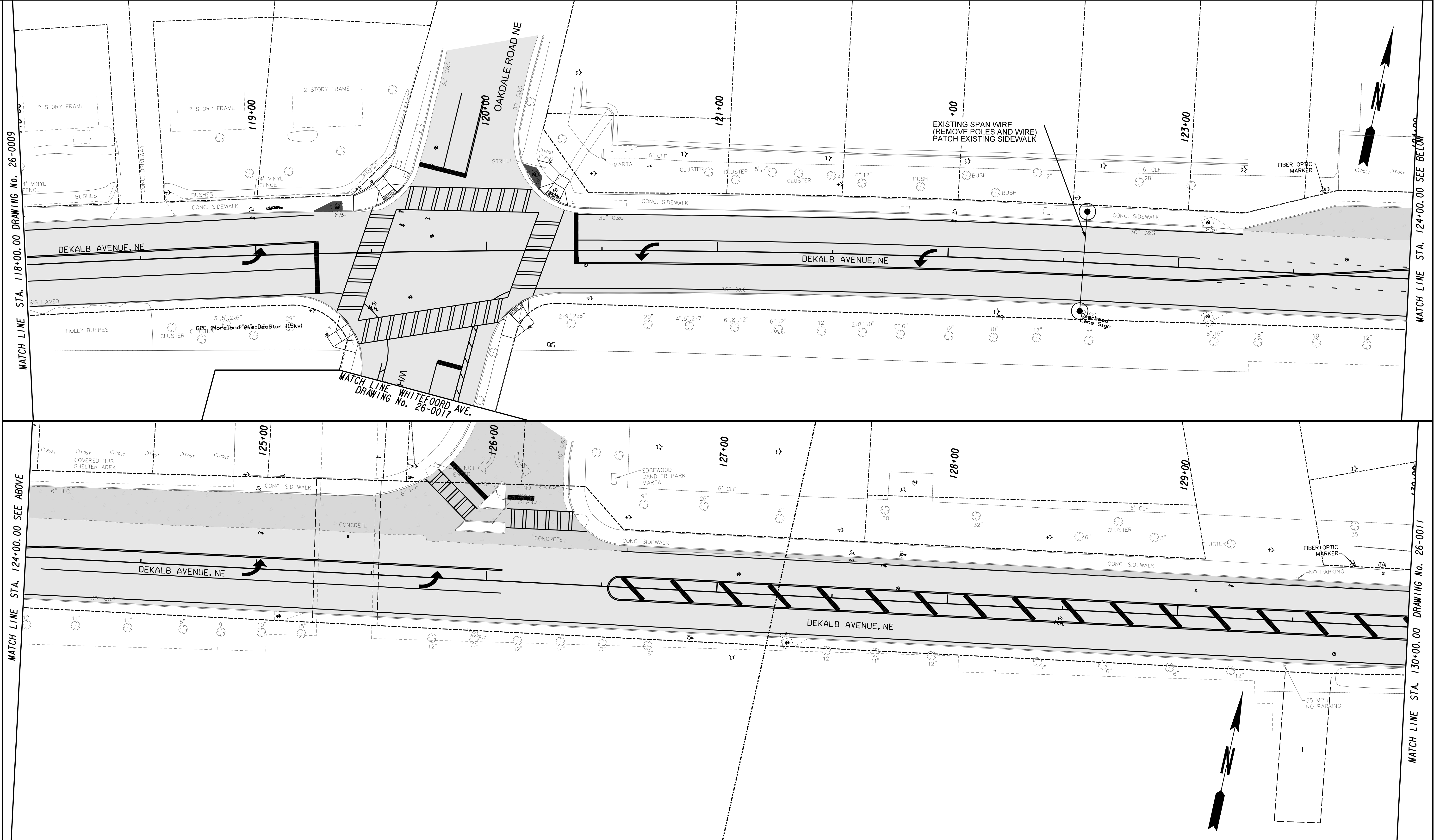
SCALE IN FEET

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REVISION DATES

SIGNING AND MARKING PLAN
DEKALB AVENUE SAFETY IMPROVEMENTS

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PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

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built assets

SCALE IN FEET

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REVISION DATES

SIGNING AND MARKING PLAN

DEKALB AVENUE SAFETY IMPROVEMENTS

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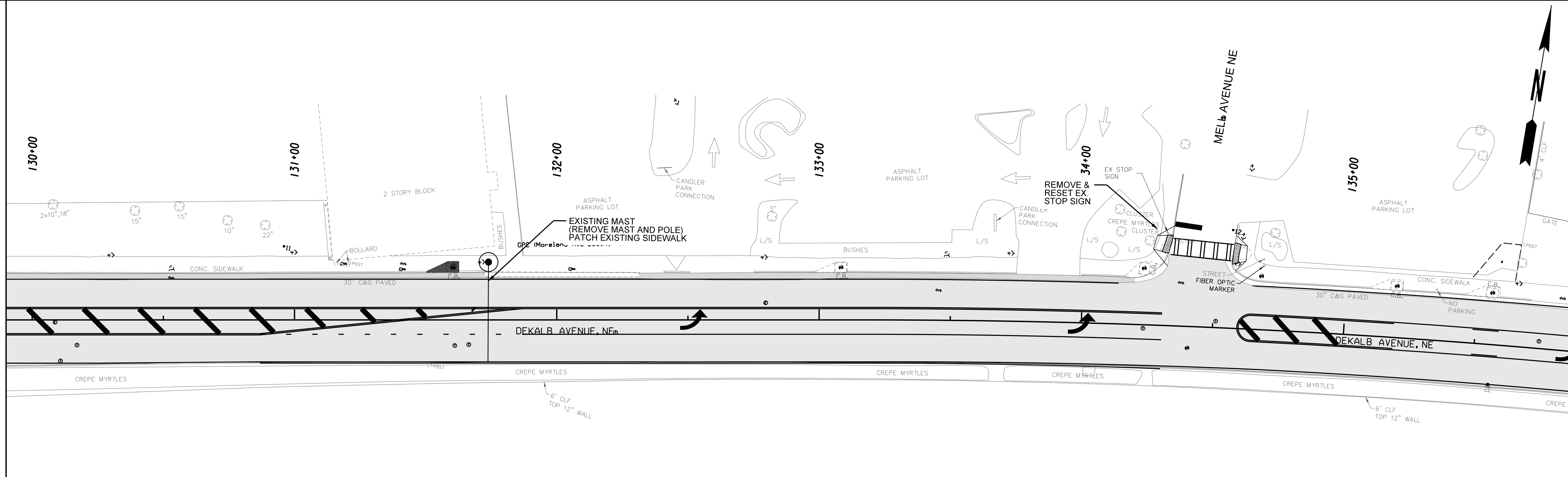
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26-0010

10/23/2015

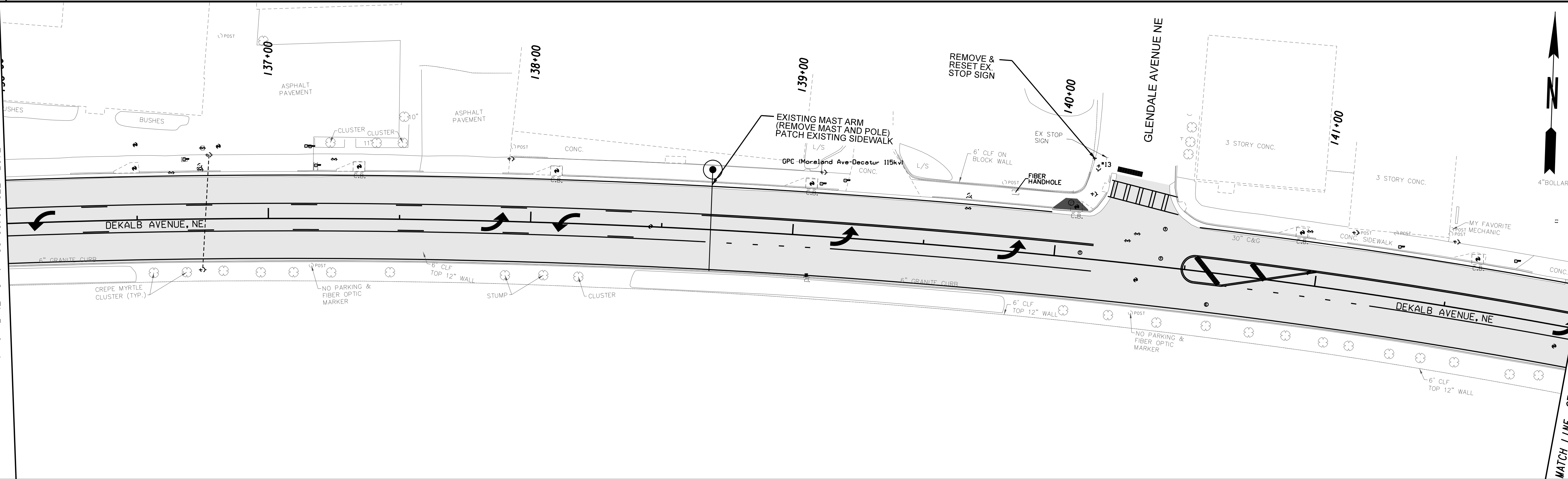
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MATCH LINE STA. 142+00.00 DRAWING No. 26-0012

PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

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BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

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Design & Consultancy
for natural and
built assets

SCALE IN FEET

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REVISION DATES

SIGNING AND MARKING PLAN

DEKALB AVENUE SAFETY IMPROVEMENTS

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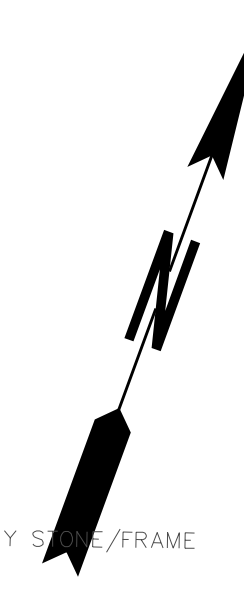
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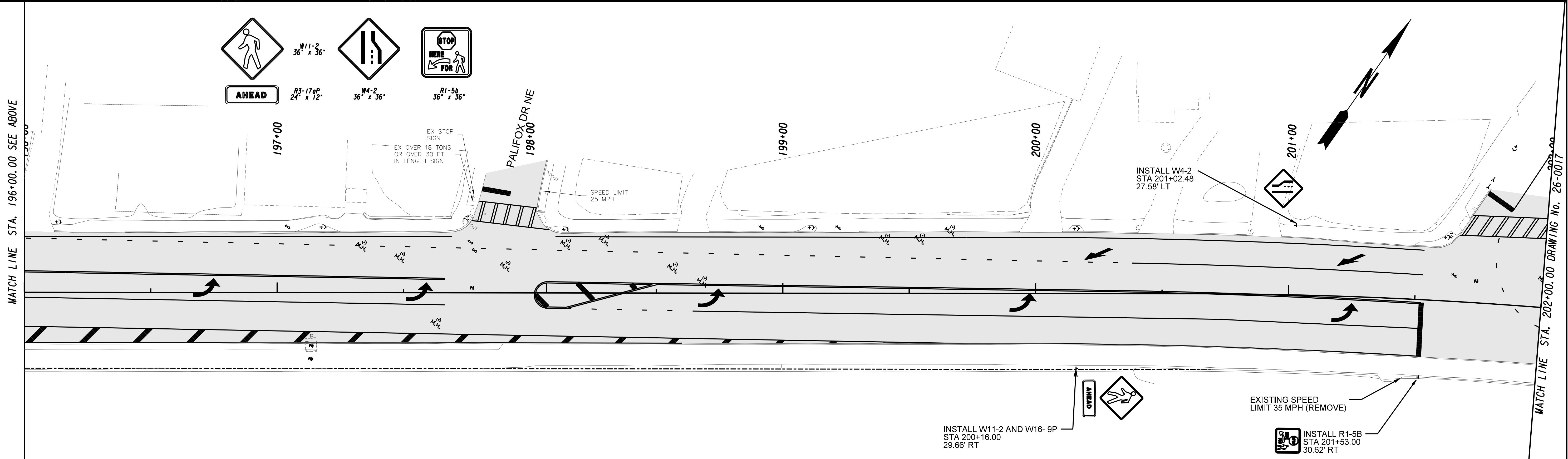
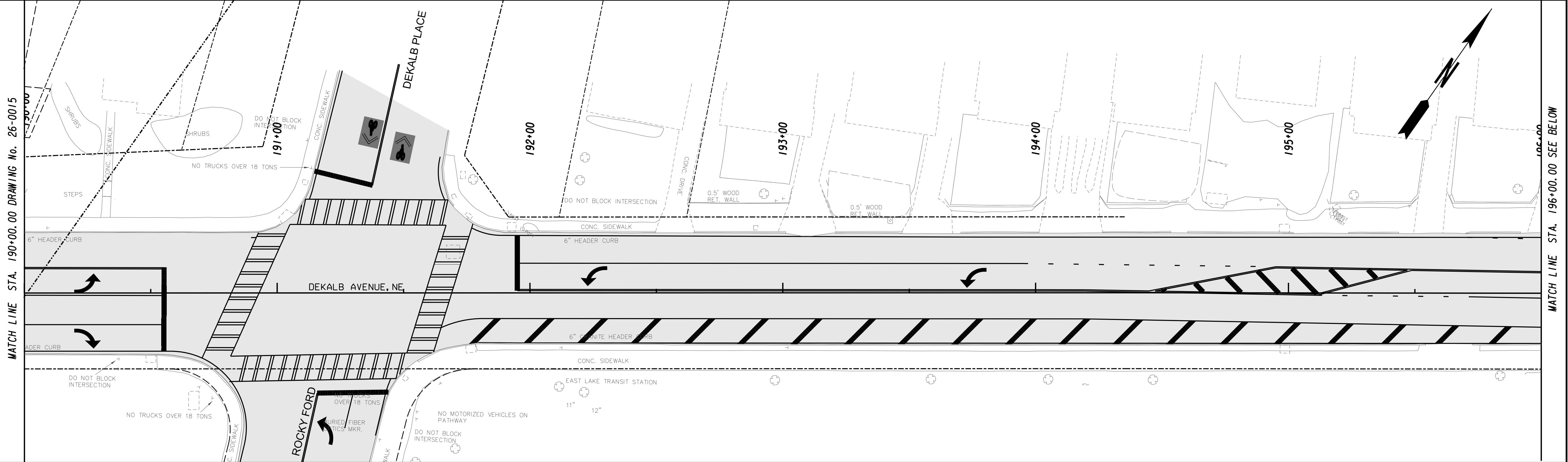
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10/23/2015 GPLN



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PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

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BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

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for natural and
built assets

SCALE IN FEET

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REVISION DATES

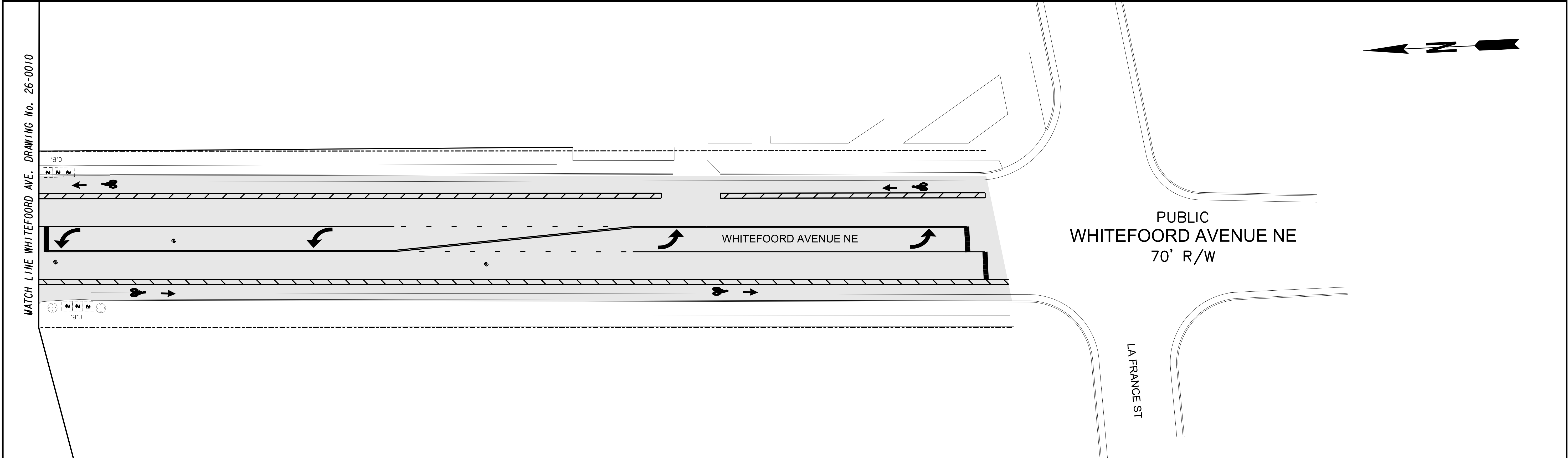
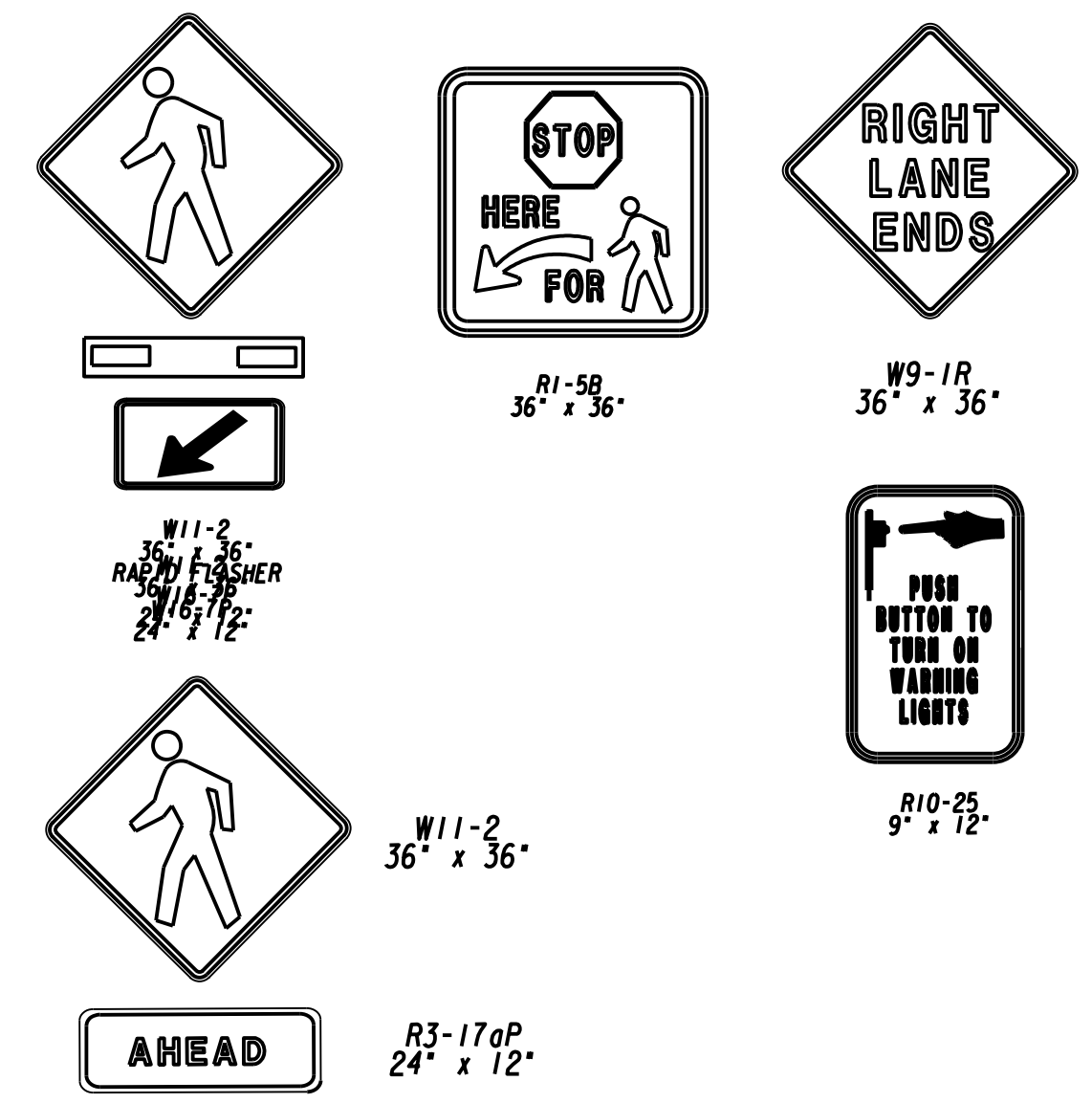
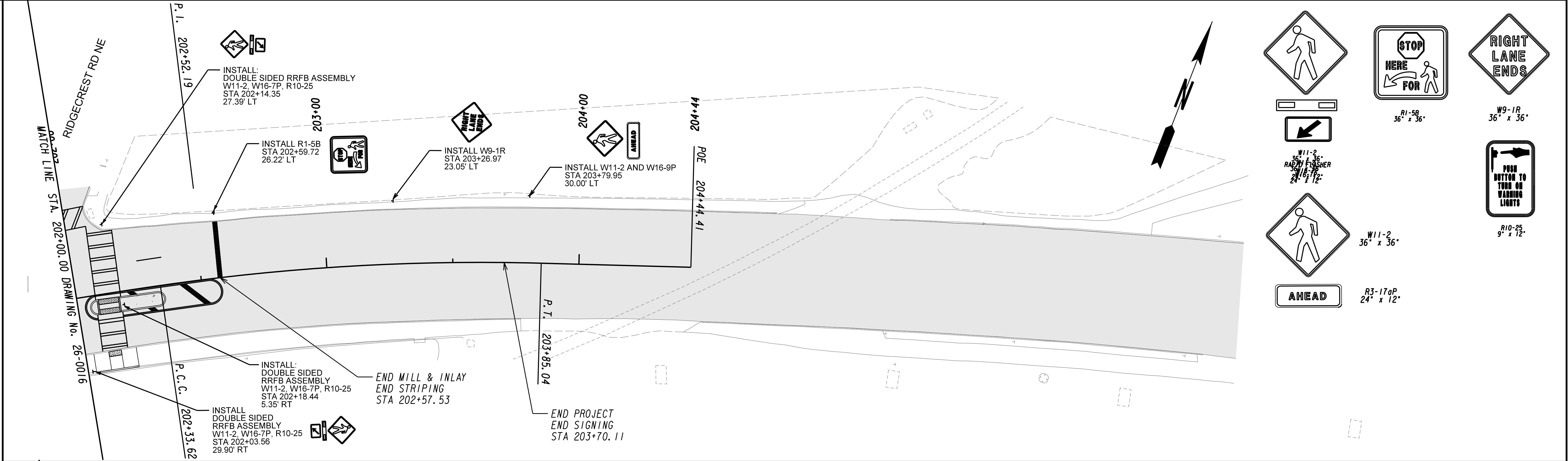
SIGNING AND MARKING PLAN

DEKALB AVENUE SAFETY IMPROVEMENTS

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10/23/2015

GPLN



PROPERTY AND EXISTING R/W LINE

REQUIRED R/W LINE

CONSTRUCTION LIMITS

EASEMENT FOR CONSTR

& MAINTENANCE OF SLOPES

EASEMENT FOR CONSTR OF SLOPES

EASEMENT FOR CONSTR OF DRIVES

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BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

(SEE ERIT TABLE)

Design & Consultancy
for natural and
built assets

SCALE IN FEET

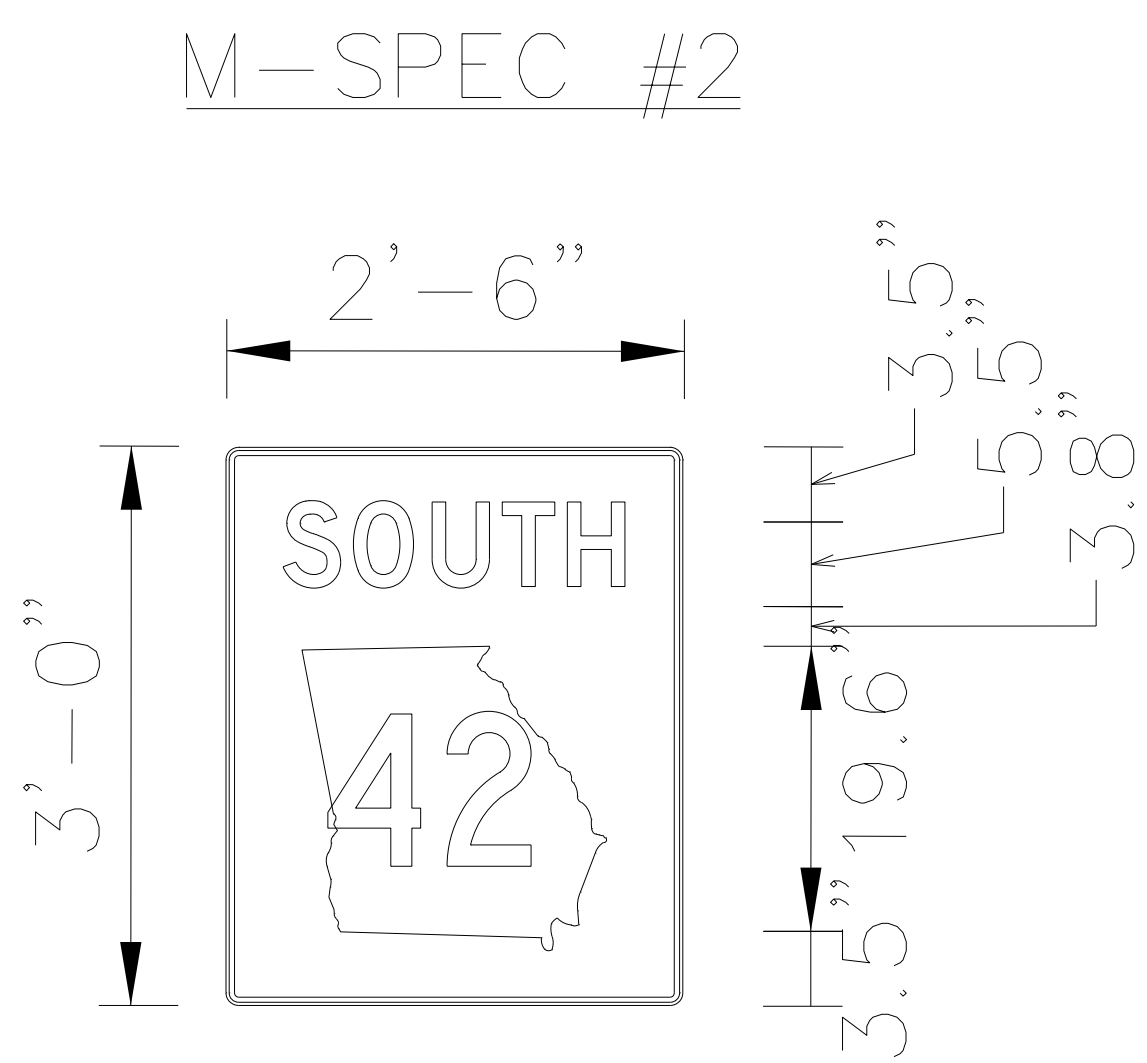
REVISION DATES

①	8-7-2020	AA

SIGNING AND MARKING PLAN

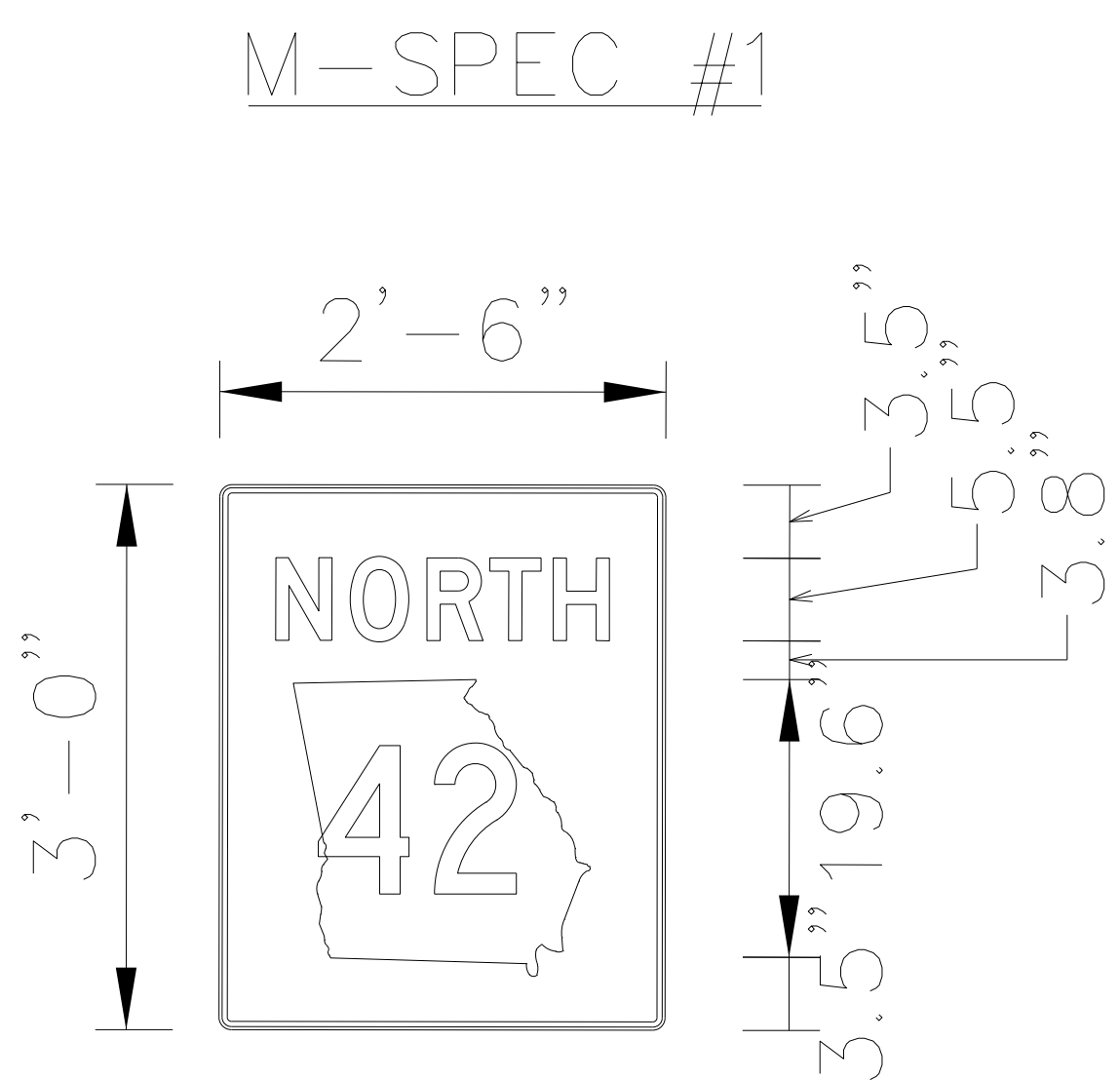
DEKALB AVENUE SAFETY IMPROVEMENTS

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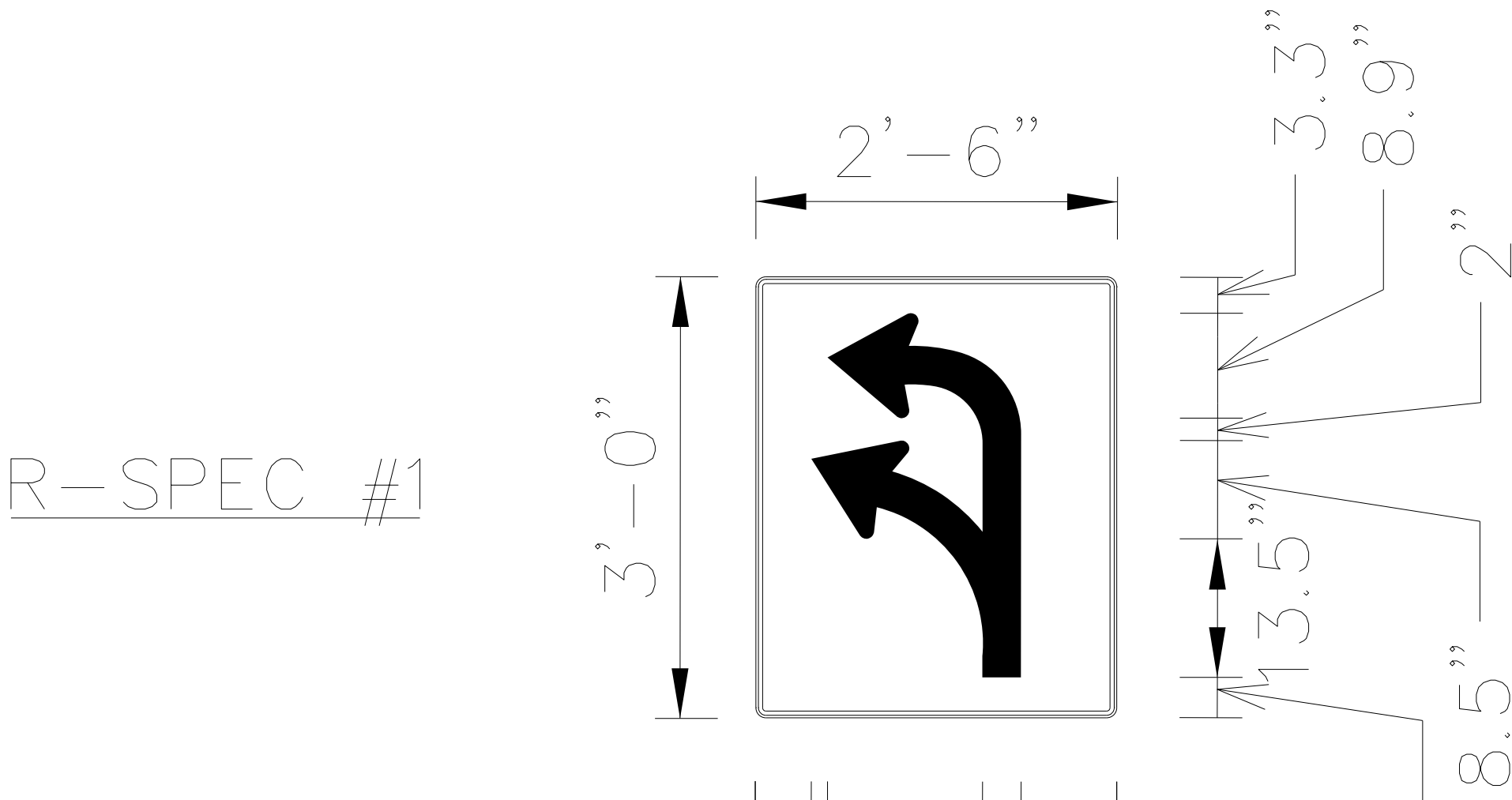
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M.U.T.C.D.: 2009 Edition



BORDER
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Panel Style: regulatory.ssi
M.U.T.C.D.: 2009 Edition



BORDER
R=1.13"
TH=0.63"
IN=0.38"

Panel Style: regulatory.ssi
M.U.T.C.D.: 2009 Edition

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

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BEGIN LIMIT OF ACCESS.....BLA

END LIMIT OF ACCESS.....ELA

LIMIT OF ACCESS

REQ'D R/W & LIMIT OF ACCESS

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

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Design & Consultancy
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built assets

SCALE IN FEET

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REVISION DATES

SIGNING AND MARKING DETAIL

DEKALB AVENUE SAFETY IMPROVEMENTS

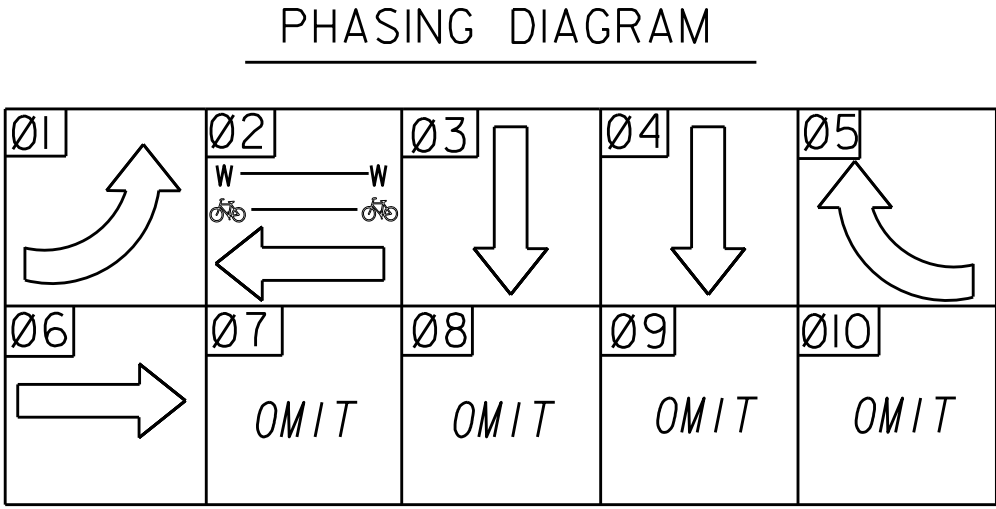
CHECKED:
BACKCHECKED:
CORRECTED:
VERIFIED:

DATE:
DATE:
DATE:
DATE:

DRAWING No.

26-0018

10/23/2015 GPLM



OL1=PHASE 4/PHASE 2
OL2=PHASE 3/PHASE 6
OL3=PHASE 3/PHASE 1
OL4=PHASE 1/PHASE 3
OL5=PHASE 5/PHASE 3/PHASE 4

ON EXISTING STRAIN POLE:
INSTALL:
BICYCLE LED SIGNAL HEADS (B2)
CONDUIT, RIGID, 1-2" (20 LF)
RETAIN:
EXISTING VIDEO DETECTION CAMERAS (V1/V6,V2/V5)

INSTALL ON EXISTING STRAIN POLE:
BICYCLE LED SIGNAL HEAD (B2)
LED COUNTDOWN PEDESTRIAN SIGNAL (P2)
PUSH BUTTON STATIONS, ADAPTER, AND SIGNS
CONDUIT, RIGID, 1-2" (20 LF)

INSTALL ON EXISTING POLE:
LED COUNTDOWN PEDESTRIAN SIGNAL (P2)
PUSH BUTTON STATIONS, ADAPTER, AND SIGNS
CONDUIT, NON-METAL, TP 2, 2-2" (20 LF)

INSTALL ON EXISTING STRAIN POLE:
LED COUNTDOWN PEDESTRIAN SIGNAL (P2)
PUSH BUTTON STATION AND SIGN
CONDUIT, RIGID, 1-2" (20 LF)
PULL BOX, TP 2

INSTALL:
10' PEDESTAL POLE
BICYCLE LED SIGNAL HEAD (B2)
CONDUIT, NON-METAL, TP 3, 2-2" (60 LF)

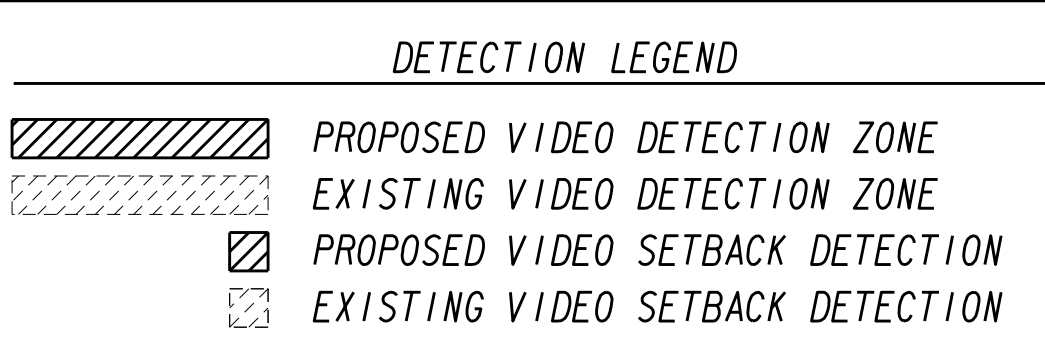
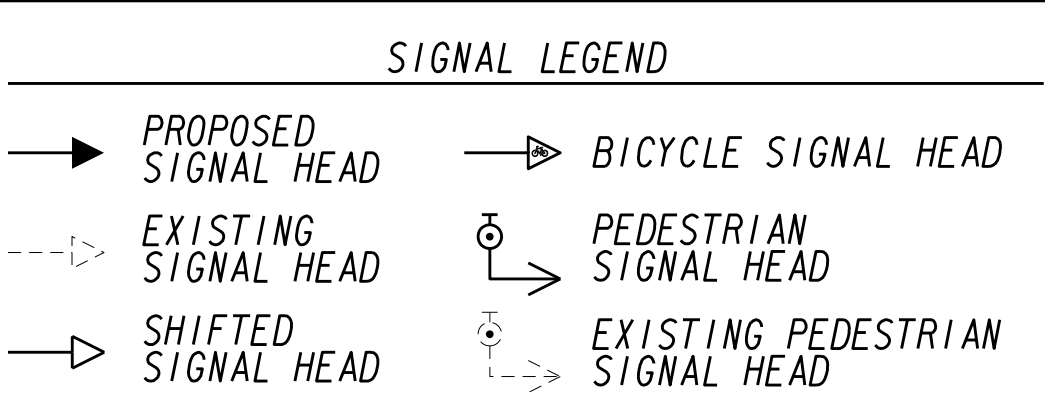
INSTALL:
10' PEDESTAL POLE
BICYCLE SIGNAL (P2)
PUSH BUTTON STATION AND SIGN
CONDUIT, NON-METAL, TP 2, 2-2" (20 LF)

INSTALL 6' X 40'
VIDEO DETECTION ZONE (TYP)
RETAIN EXISTING STRAIN POLE (TYP)

RETAIN EXISTING VIDEO DETECTION CAMERA (V3)

INSTALL 6' X 6' VIDEO
SETBACK DETECTION ZONE (TYP)

NOTES:
1. ENSURE OL5 SIGNAL HEAD IS INSTALLED IN SUCH A WAY THAT
IT CANNOT BE SEEN FROM THE STOP BAR FOR PHASE 5.
A LOUVERED/OPTICALLY PROGRAMMABLE SIGNAL HEAD SHOULD BE USED.



Design & Consultancy
for natural and
built assets

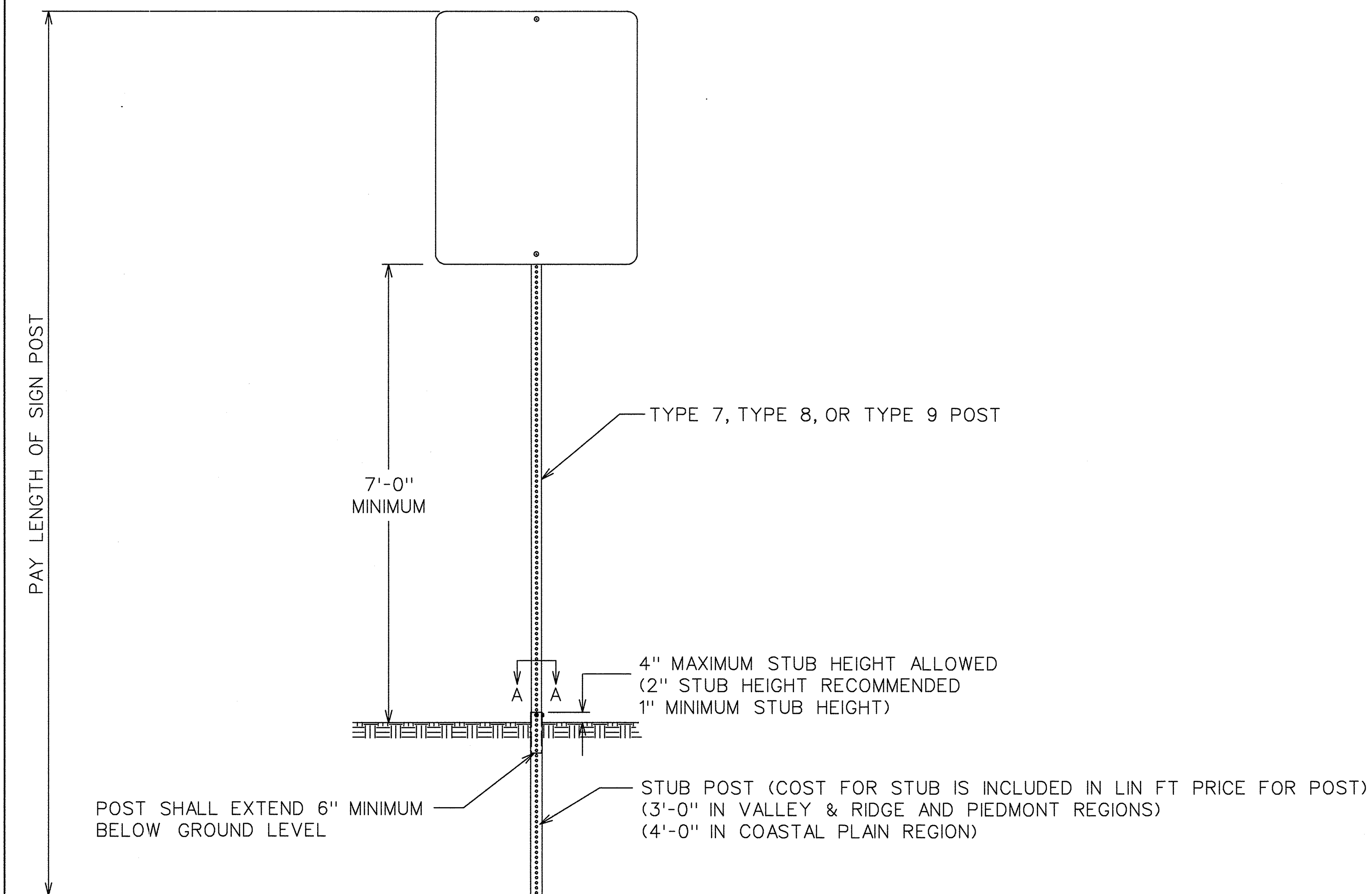


REVISION DATES

SIGNAL PLANS
SR 42/MORELAND AVE AT DEKALB AVE
DEKALB AVENUE IMPROVEMENT PROJECT

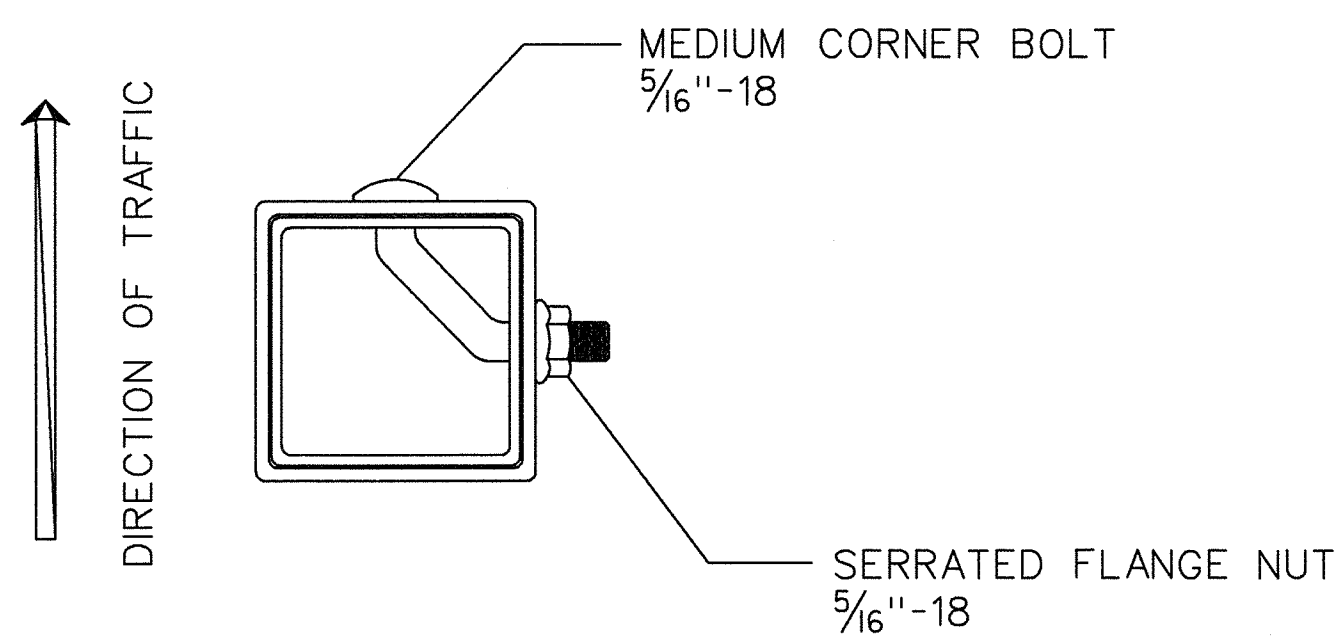
CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0001
CORRECTED:	DATE:	
VERIFIED:	DATE:	

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



FRONT VIEW

POST	STUB SIZE
TYPE 7	2 1/4" x 2 1/4"
TYPE 8	2 3/4" x 2 3/4"
TYPE 9	2 1/2" x 2 1/2"



SECTION A-A

SIGN POST SELECTION CHART

70 MPH Wind Load Chart + 15% Gust Factor

Sign Centroid	SLIP BASE NOT REQUIRED				GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED				
	TYPE 7 2" 1/4 ga.		TYPE 9 2-1/4" 1/4 ga.	TYPE 8 2-1/2" 1/2 ga.	TYPE 8 2-1/2" 1/2 ga.		TYPE 8 w/TYPE 9 Insert* 2-1/2" 1/2 ga. w/2-1/4" 1/4 ga.		
	1 Post	2 Post	1 Post	1 Post	2 Post	3 Post	1 Post	2 Post	3 Post
	SQUARE FOOTAGE				SQUARE FOOTAGE				
6'	13.50	27.00	19.25	30.00	60.00	90.00	49.25	98.50	147.75
7'	11.60	23.20	16.50	25.75	51.50	77.25	42.25	84.50	126.75
8'	10.15	20.30	14.45	22.55	45.10	67.65	37.00	74.00	111.00
9'	9.00	18.00	12.85	20.00	40.00	60.00	32.85	65.70	98.55
10'	8.10	16.20	11.55	18.00	36.00	54.00	29.55	59.10	88.65
11'	7.40	14.80	10.50	16.40	32.80	49.20	26.90	53.80	80.70
12'	6.80	13.60	9.65	15.00	30.00	45.00	24.65	49.30	73.95
13'	6.25	12.50	8.90	13.85	27.70	41.55	22.75	45.50	68.25
14'	5.80	11.60	8.25	12.90	25.80	38.70	21.15	42.30	63.45
15'	5.00	10.00	6.45	10.10	20.20	30.30	16.55	33.10	49.65
16'	4.70	9.40	6.05	9.45	18.90	28.35	15.50	31.00	46.50
17'	4.40	8.80	5.70	8.90	17.80	26.70	14.60	29.20	43.80
18'	4.15	8.30	5.40	8.40	16.80	25.20	13.80	27.60	41.40
19'	3.95	7.90	5.10	7.95	15.90	23.85	13.05	26.10	39.15
20'	3.75	7.50	4.85	7.55	15.10	22.65	12.40	24.80	37.20

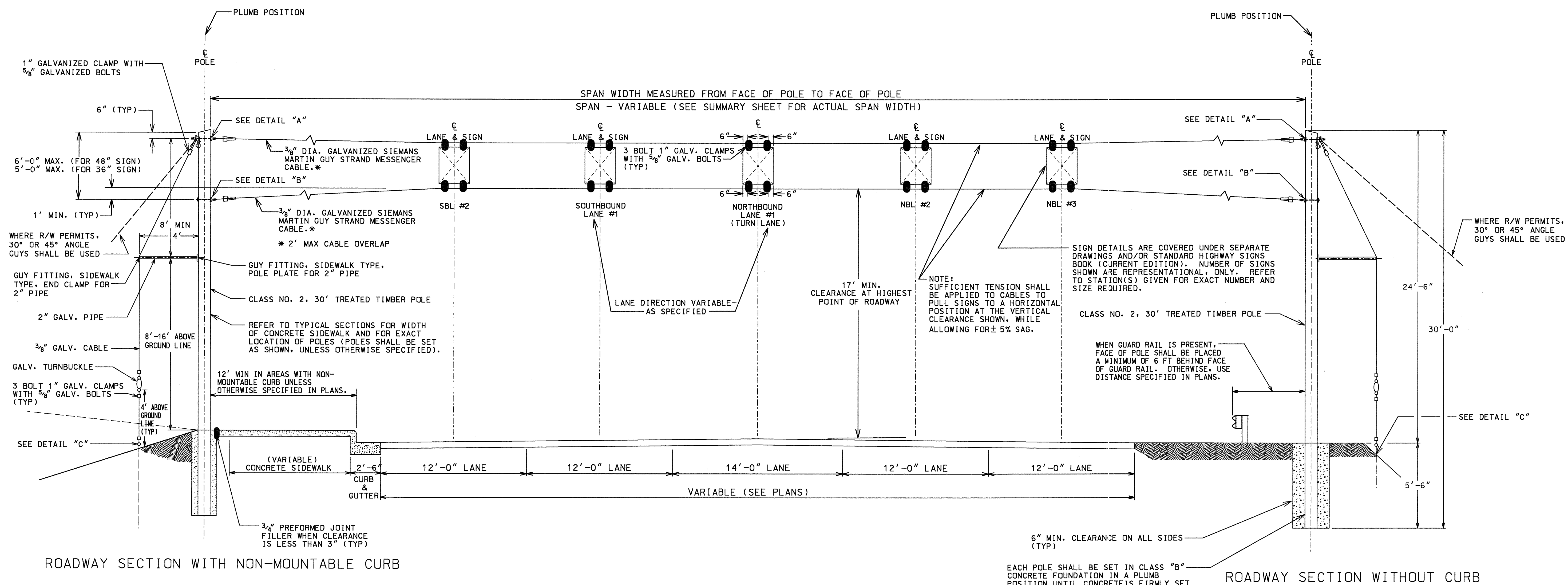
SIGN CENTROID IS DISTANCE FROM GROUND LEVEL TO BOTTOM OF SIGN PLUS HALF THE HEIGHT OF SIGN.
EXAMPLE: 24" X 48" SIGN THAT IS 7 FEET FROM GROUND TO BOTTOM OF SIGN. ADD HALF OF 48" (24" OR 2 FT) PLUS 7 FT. = 9' CENTROID.

SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE POST.

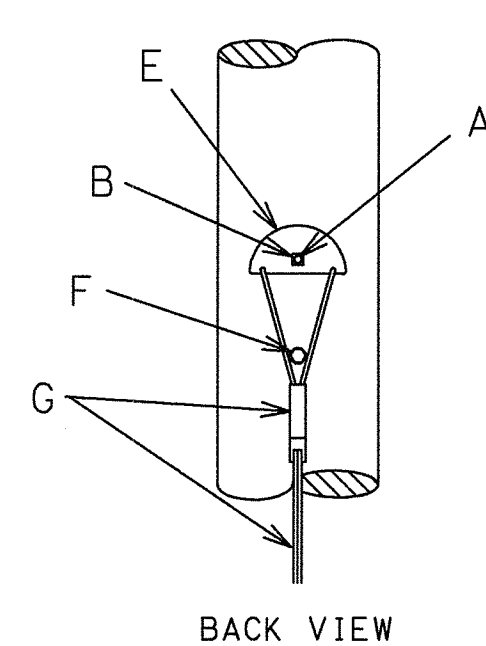
* TYPE 9 INSERT SHALL BE A CONTINUOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSERT POST SHALL BE PER LINEAR FOOT OF TYPE 9 POST.

GROUND MOUNTED BREAKAWAY SIGN SUPPORT WILL BE MEASURED AND PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL INCLUDE THE UPPER AND LOWER ASSEMBLY, STUB POST, CLASS "A" CONCRETE, ALL HARDWARE NECESSARY TO COMPLETE THE INSTALLATION, AND BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 636-3010.

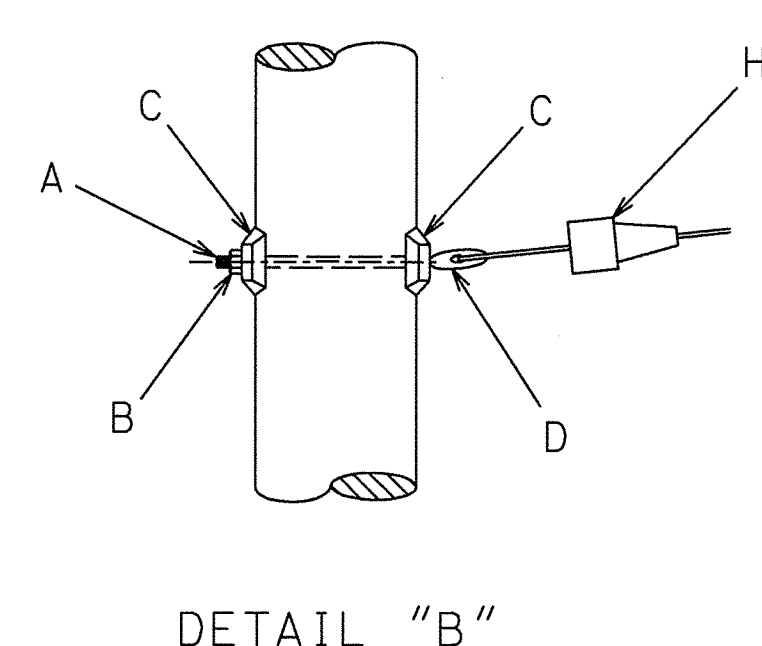
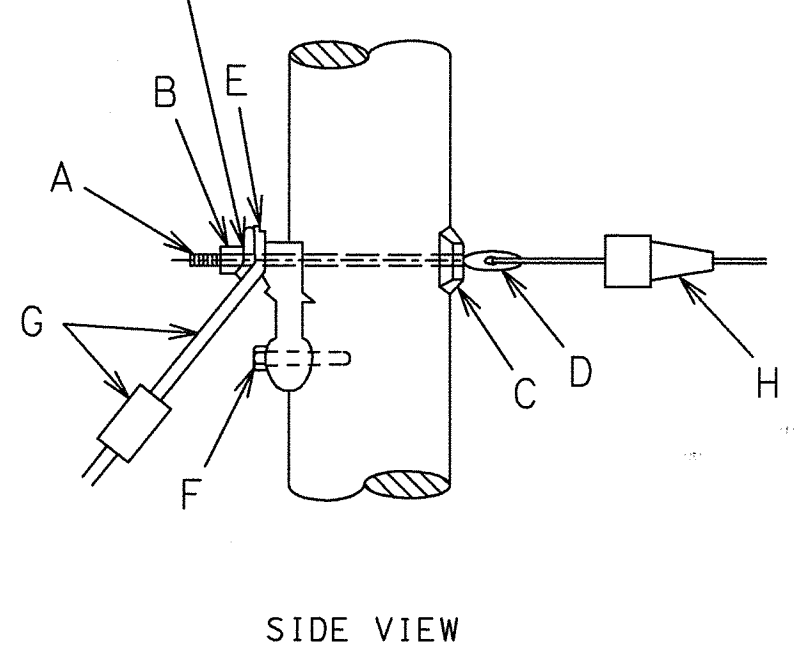
DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION	
		OFFICE OF TRAFFIC SAFETY & DESIGN	
		TYPE 7, 8, AND 9	
		SQUARE TUBE POST	
		INSTALLATION DETAIL	
		NO SCALE	JULY 2002



USE $\frac{1}{16}$ " ROUND WASHER UNDER NUT IF BOLT HOLE IN GUY HOOK IS LARGER THAN $\frac{1}{16}$ "

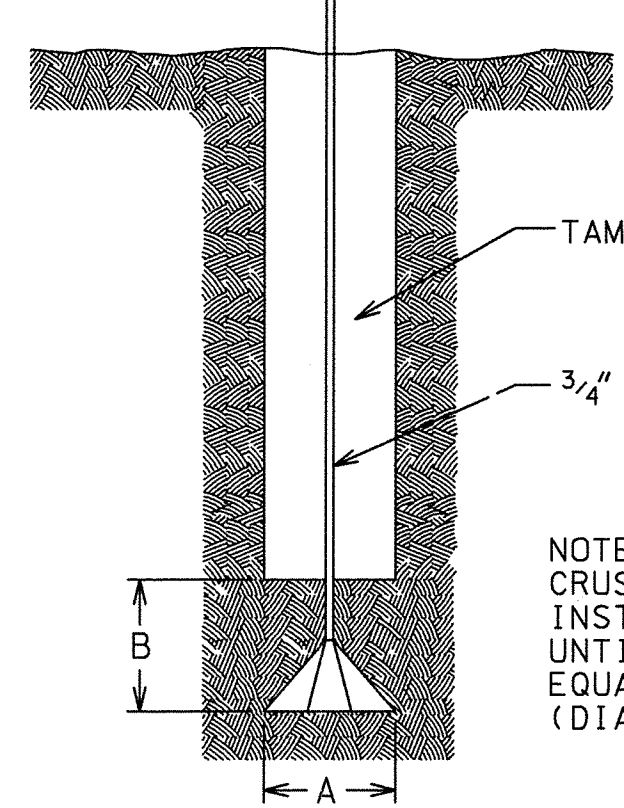


DETAIL "A"
(SEE PARTS LIST)



DETAIL "B"
(SEE PARTS LIST)

CABLE CLAMP SHOWN. PREFORMED CABLE GRIP MAY BE USED.



DETAIL "C"
(INSTALLATION SHOWN FOR 8" CONE TYPE GUY ANCHOR (6M). COMPARABLE SCREW TYPE (6M) MAY BE USED)

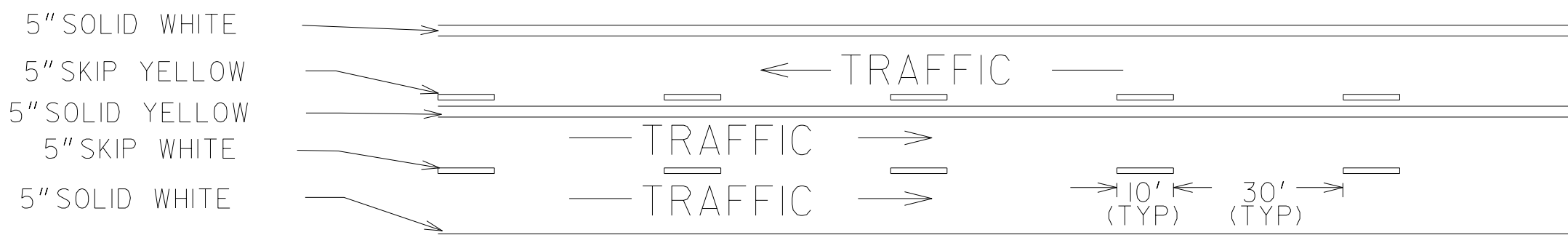
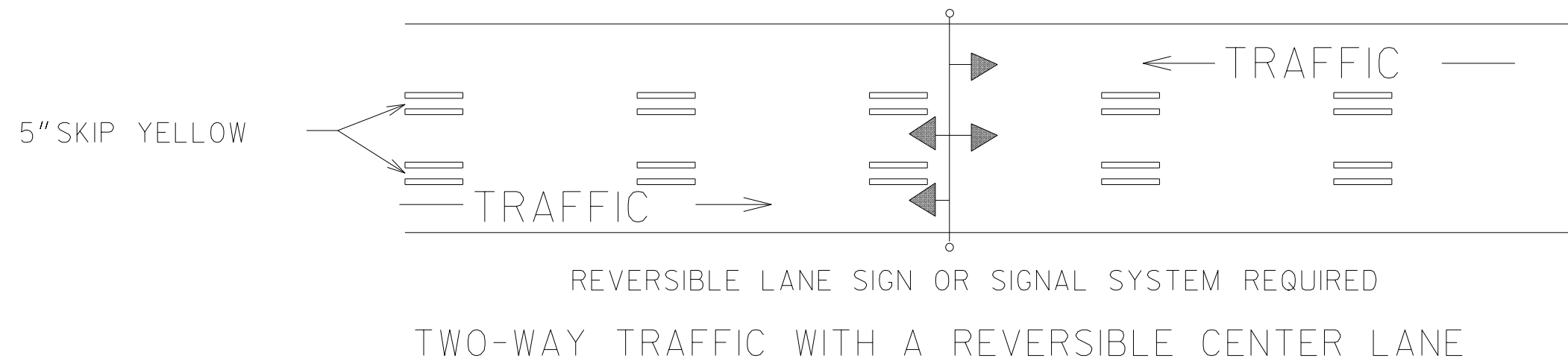
TAMP BACKFILL SOLIDLY
 $\frac{3}{4}$ " x 8' ROD
NOTE: CRUSHED STONE SHALL BE INSTALLED IN ANCHOR HOLE UNTIL DIMENSION "B" IS EQUAL TO DIMENSION "A" (DIAMETER OF ANCHOR HOLE)

A	$\frac{3}{4}$ " SPACE BOLTS
B	$\frac{3}{4}$ " M F LOCKNUTS
C	4" x 4" CURVED WASHERS, $\frac{1}{16}$ " HOLE
D	$\frac{3}{4}$ " THIMBLE EYE NUT
E	HEAVY DUTY GUY HOOK
F	$\frac{1}{2}$ " x 4" LAG SCREW
G	$\frac{3}{8}$ " GLAV. CABLE AND CLAMPS
H	STRANDWISE

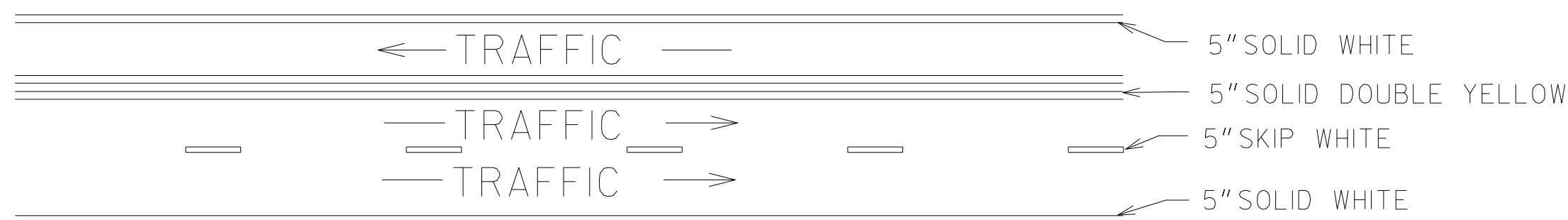
NOTE: PREFORMED CABLE GRIPS MAY BE USED IN LIEU OF CABLE CLAMPS.

PARTS LIST

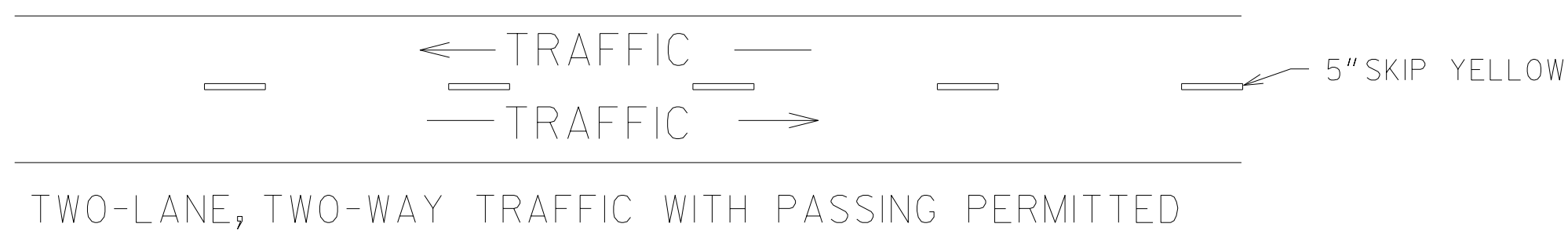
DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		DETAILS OF TIMBER POLE ERECTION FOR OVERHEAD SIGNS
		NO SCALE JANUARY 2000



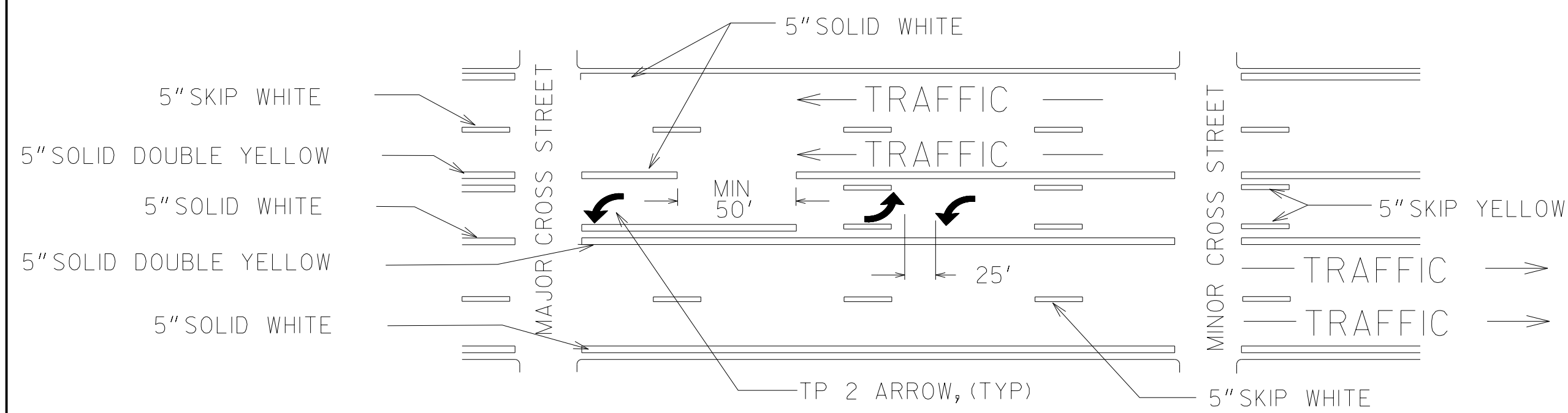
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE PERMITTED TO PASS



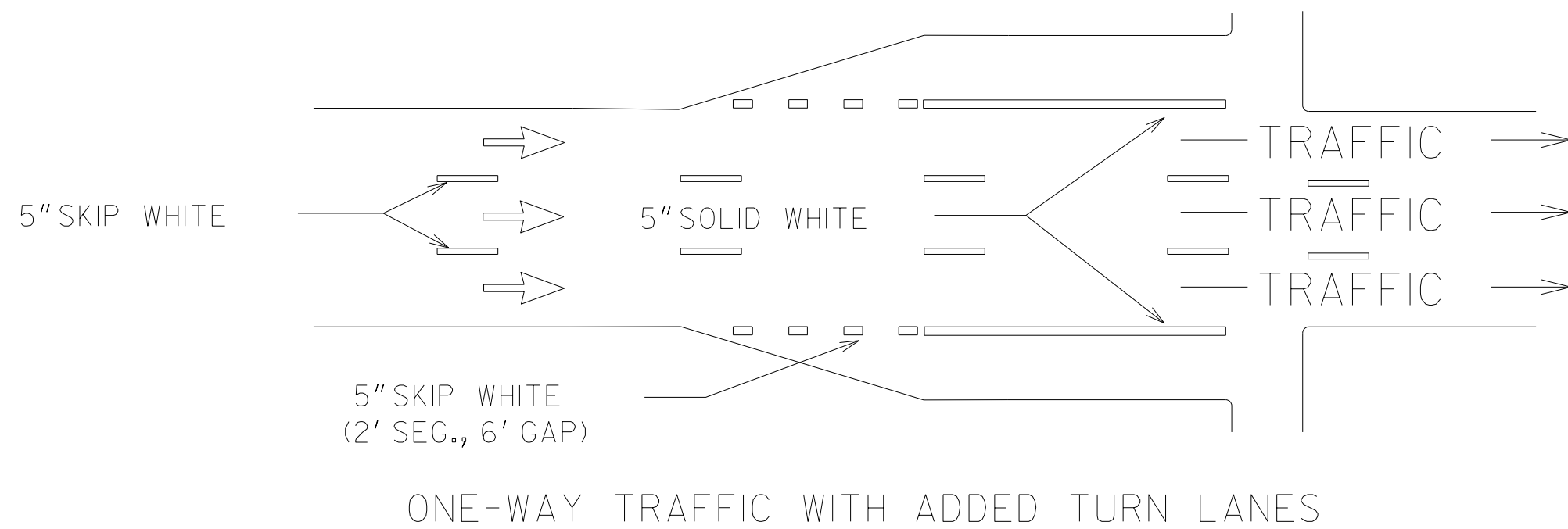
TWO-WAY TRAFFIC WHERE MOTORISTS IN A SINGLE LANE ARE NOT PERMITTED TO PASS



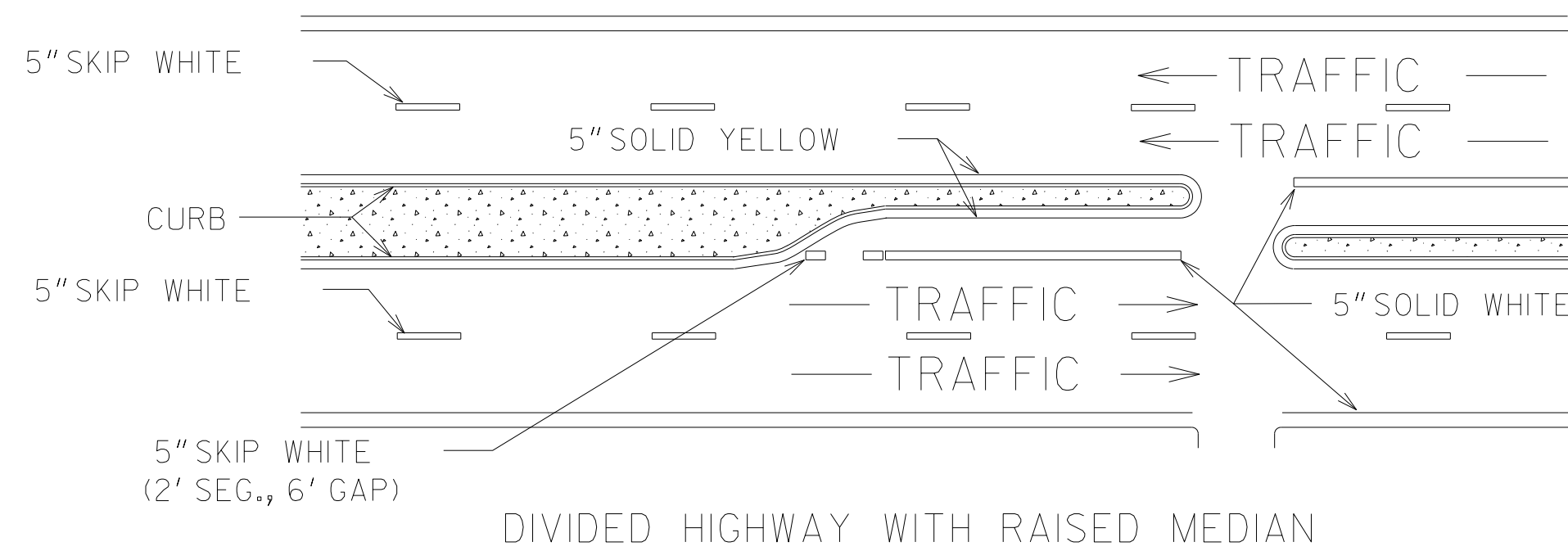
TWO-LANE, TWO-WAY TRAFFIC WITH PASSING PERMITTED



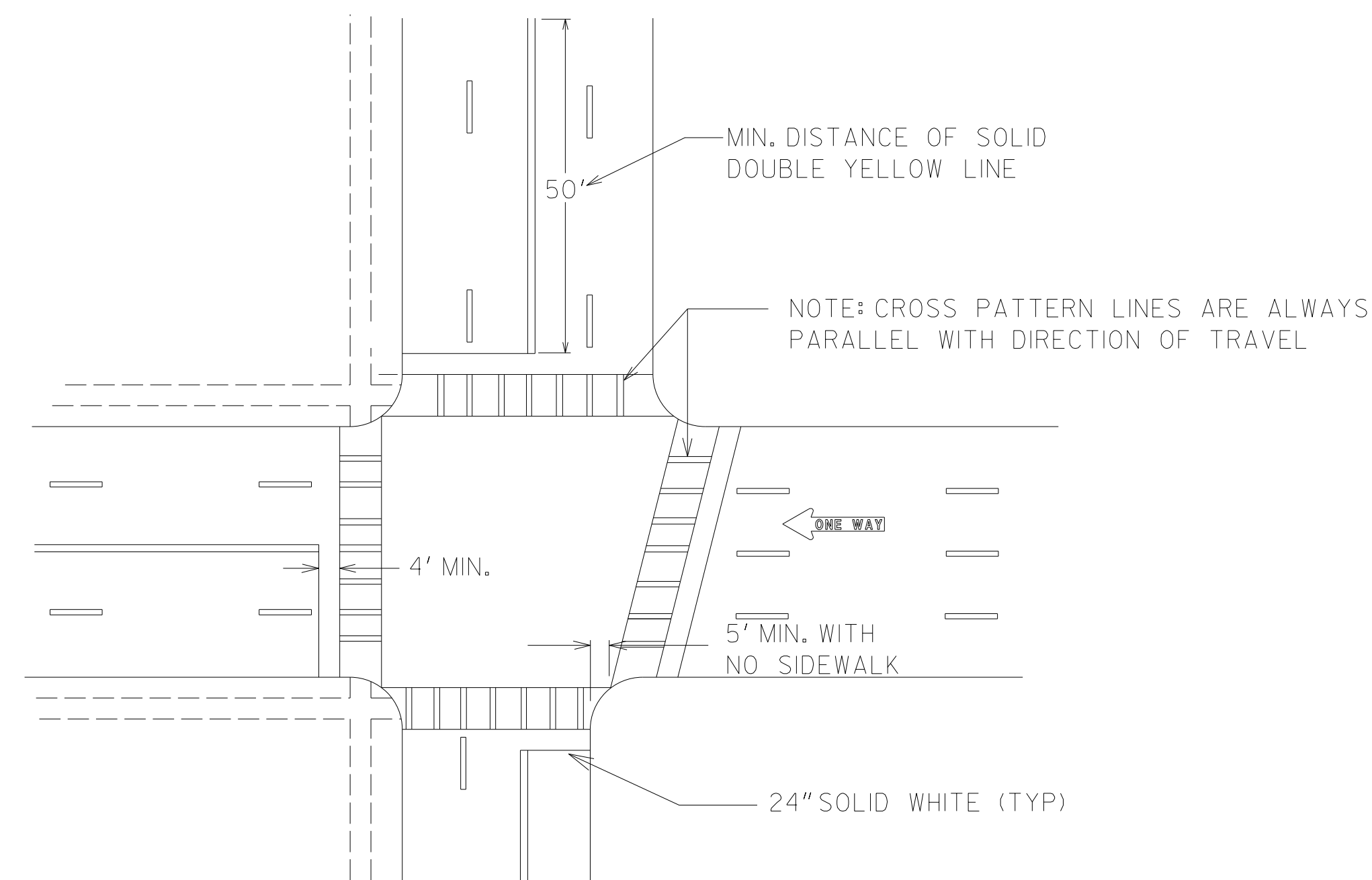
MULTI-LANE, TWO-WAY TRAFFIC WITH SINGLE LANE, TWO-WAY LEFT TURN CHANNELIZATION



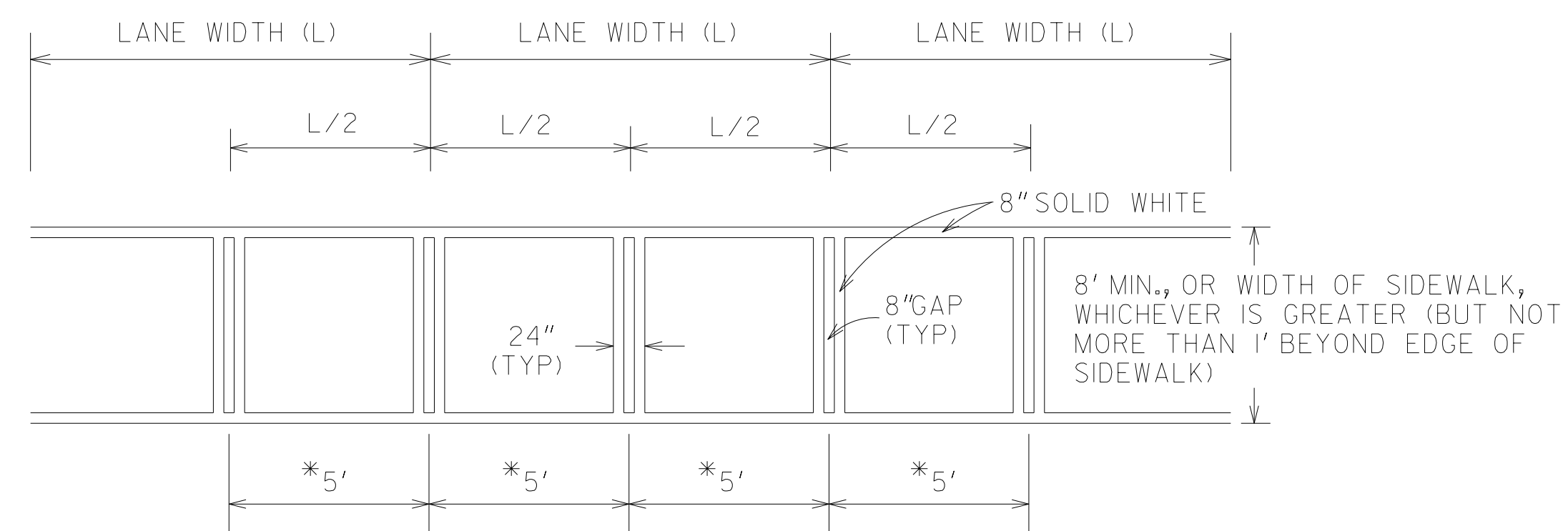
ONE-WAY TRAFFIC WITH ADDED TURN LANES



DIVIDED HIGHWAY WITH RAISED MEDIAN



TYPICAL LOCATION OF CROSSWALKS AND STOP BARS



*USE WHERE THE LANE WIDTH EXCEEDS 12'
OR WHERE LANE LINES HAVE BEEN OMITTED

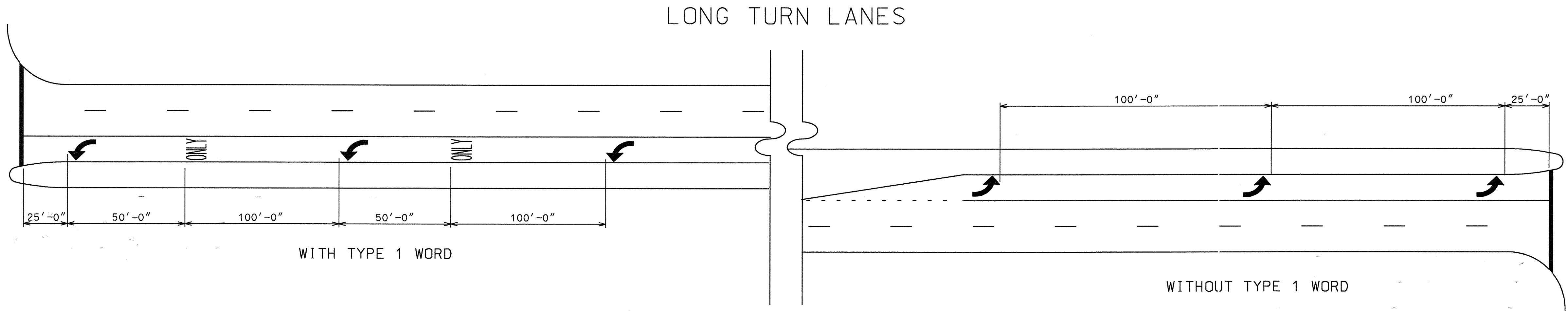
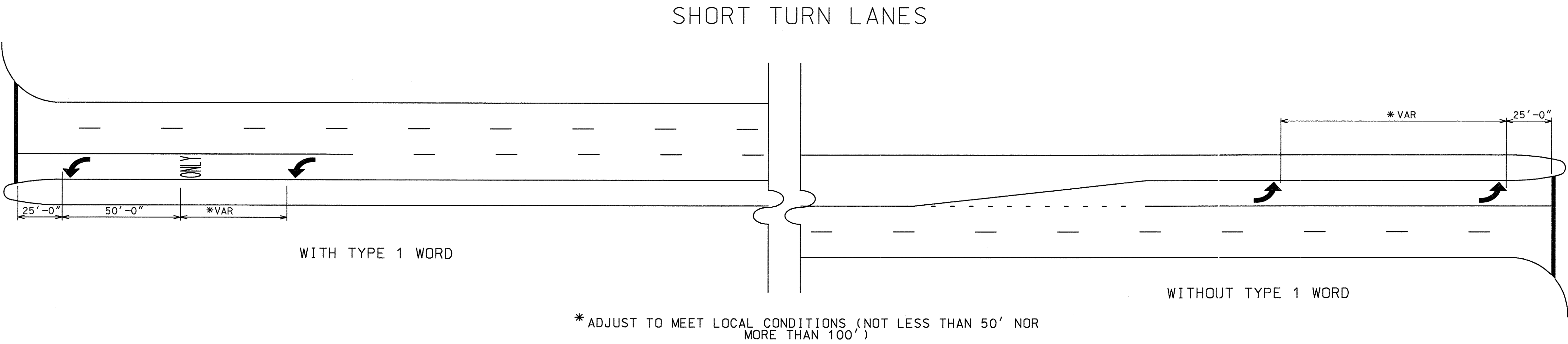
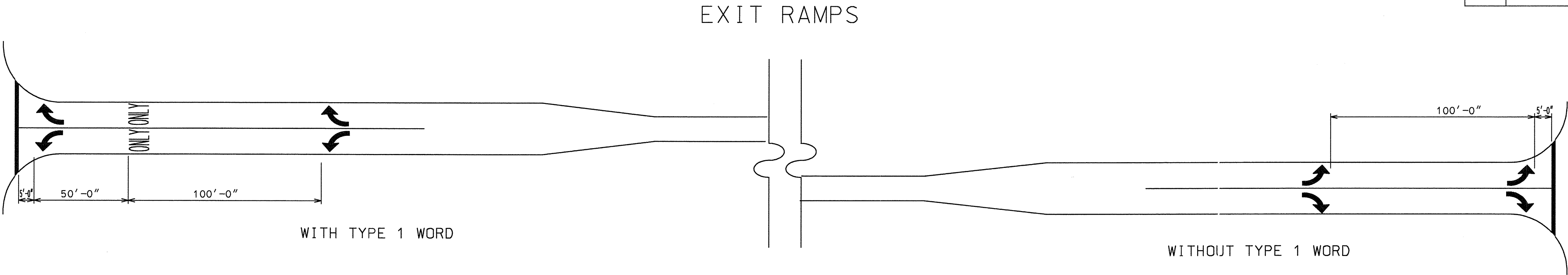
CROSSWALK DETAIL

GENERAL NOTES:

1. SPACING BETWEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL T-IIB.

		9-15-16	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		ADDED GENERAL NOTE 3	REVISION	CONSTRUCTION DETAILS PAVEMENT MARKING PLACEMENT NON-LIMITED ACCESS ROADWAY	
				NO SCALE	JANUARY 2000
		CDR	BY	DESIGNED _____ DRAWN _____ TRACED _____ CHECKED _____	NUMBER T-IIA

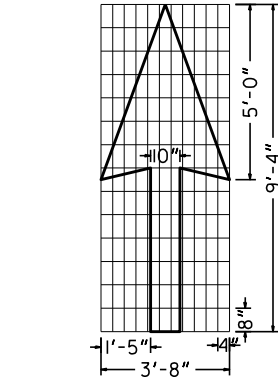
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



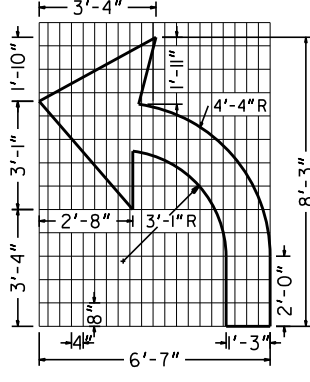
GENERAL NOTES:

- SPACING OF TYPE 2 ARROW IS REPRESENTATIVE OF SPACING FOR TYPE 1, TYPE 3, TYPE 4, & TYPE 5 ARROWS.
- ALL TURNING LANES SHALL HAVE A MINIMUM OF 2 ARROWS.
- GROUND MOUNTED OR OVERHEAD SIGNING SHALL BE SUPPLEMENTED BY TYPE 1 WORD.

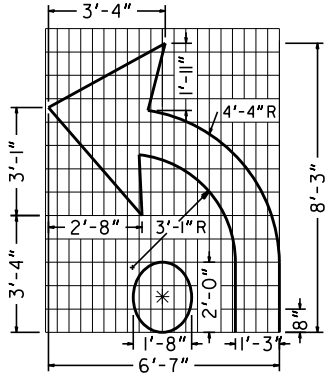
DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		DETAILS OF PAVEMENT MARKING ARROW LOCATION
NO SCALE		JANUARY 2000



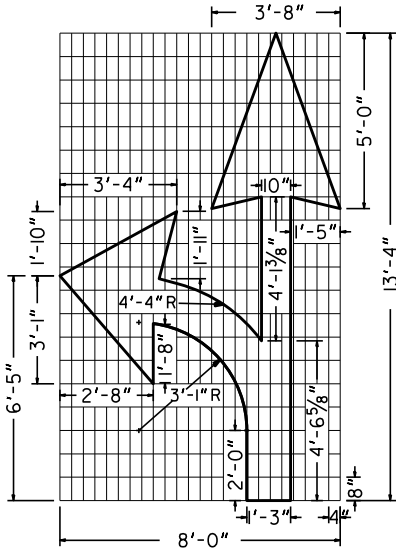
PAVEMENT MARKING, ARROW, TYPE 1
WHITE



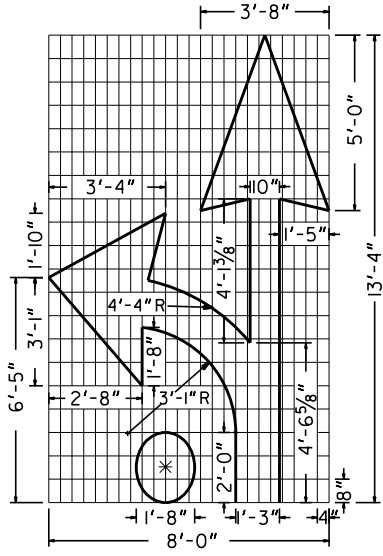
PAVEMENT MARKING, ARROW, TYPE 2
WHITE



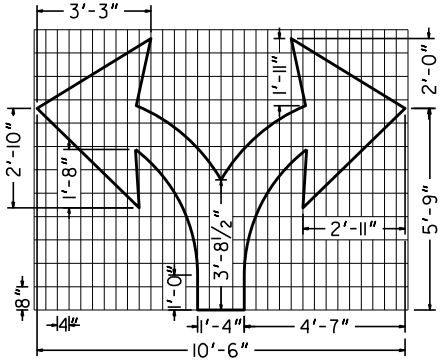
PAVEMENT MARKING, ARROW, TYPE 2A
WHITE



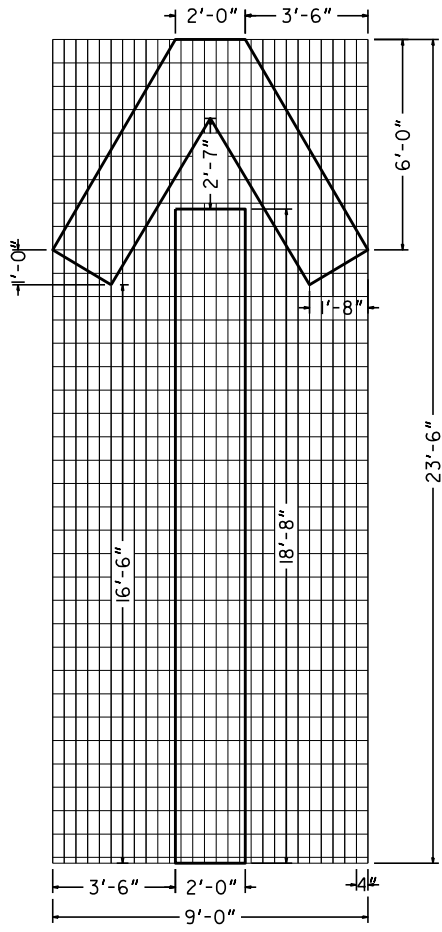
PAVEMENT MARKING, ARROW, TYPE 3
WHITE



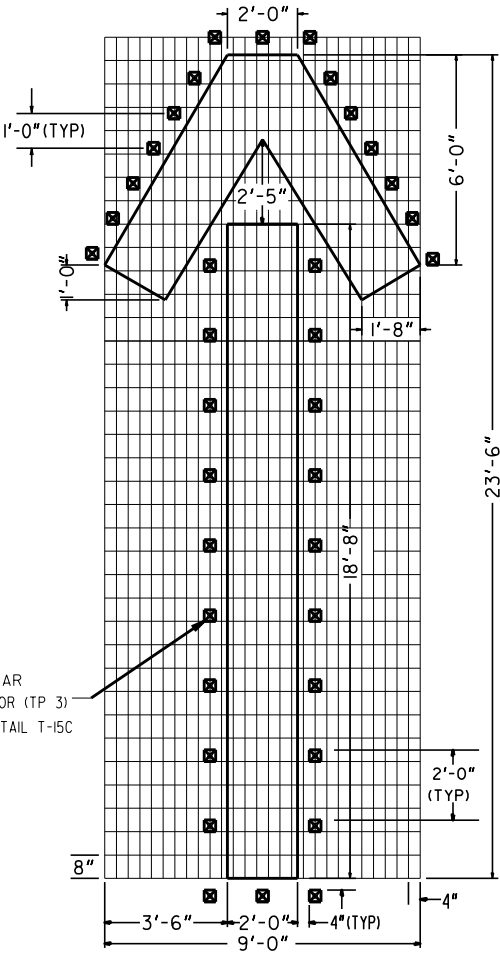
PAVEMENT MARKING, ARROW, TYPE 3A
WHITE



PAVEMENT MARKING, ARROW, TYPE 5
WHITE

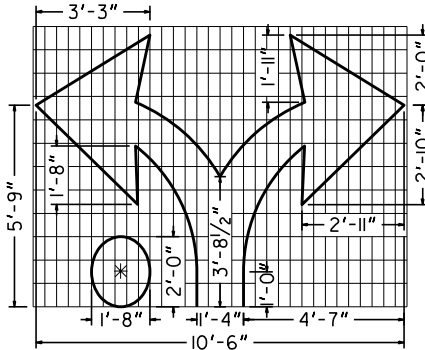


PAVEMENT MARKING, ARROW, TYPE 4
WHITE

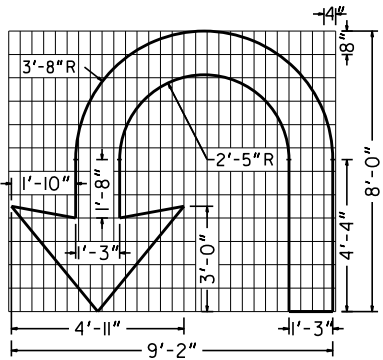


PAVEMENT MARKING, ARROW, WRONG WAY
WHITE

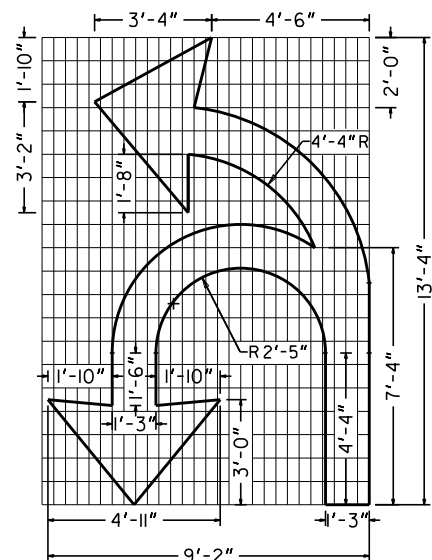
RED
CLEAR
BI-COLOR REFLECTOR (TP 3)
REFER TO GDOT DETAIL T-15C



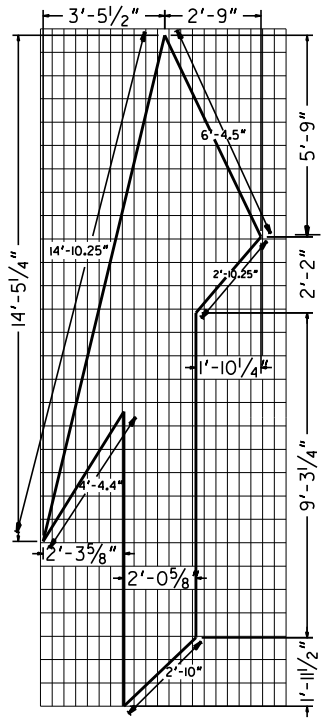
PAVEMENT MARKING, ARROW, TYPE 5A
WHITE



PAVEMENT MARKING, ARROW, TYPE 7
WHITE



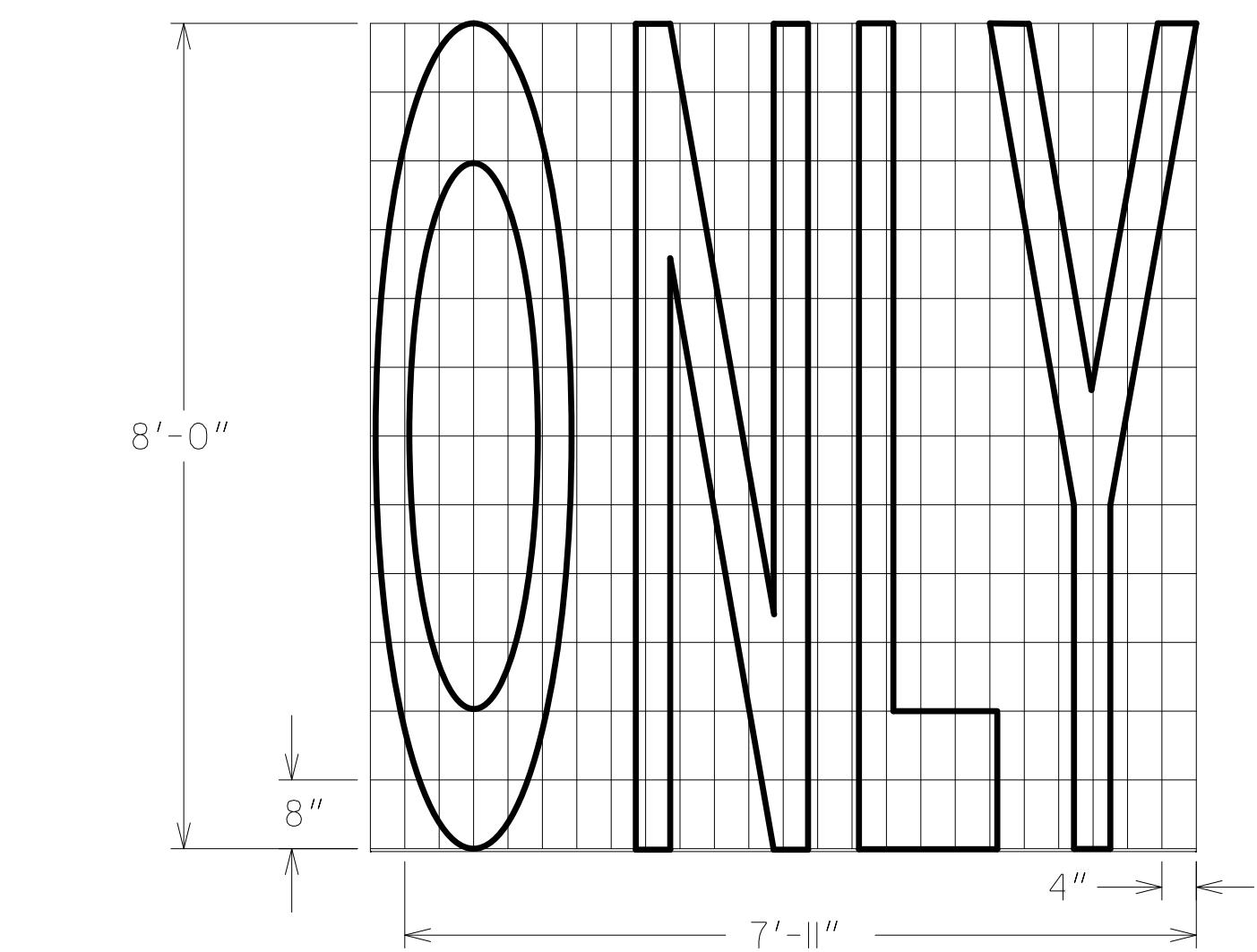
PAVEMENT MARKING, ARROW, TYPE 6
WHITE



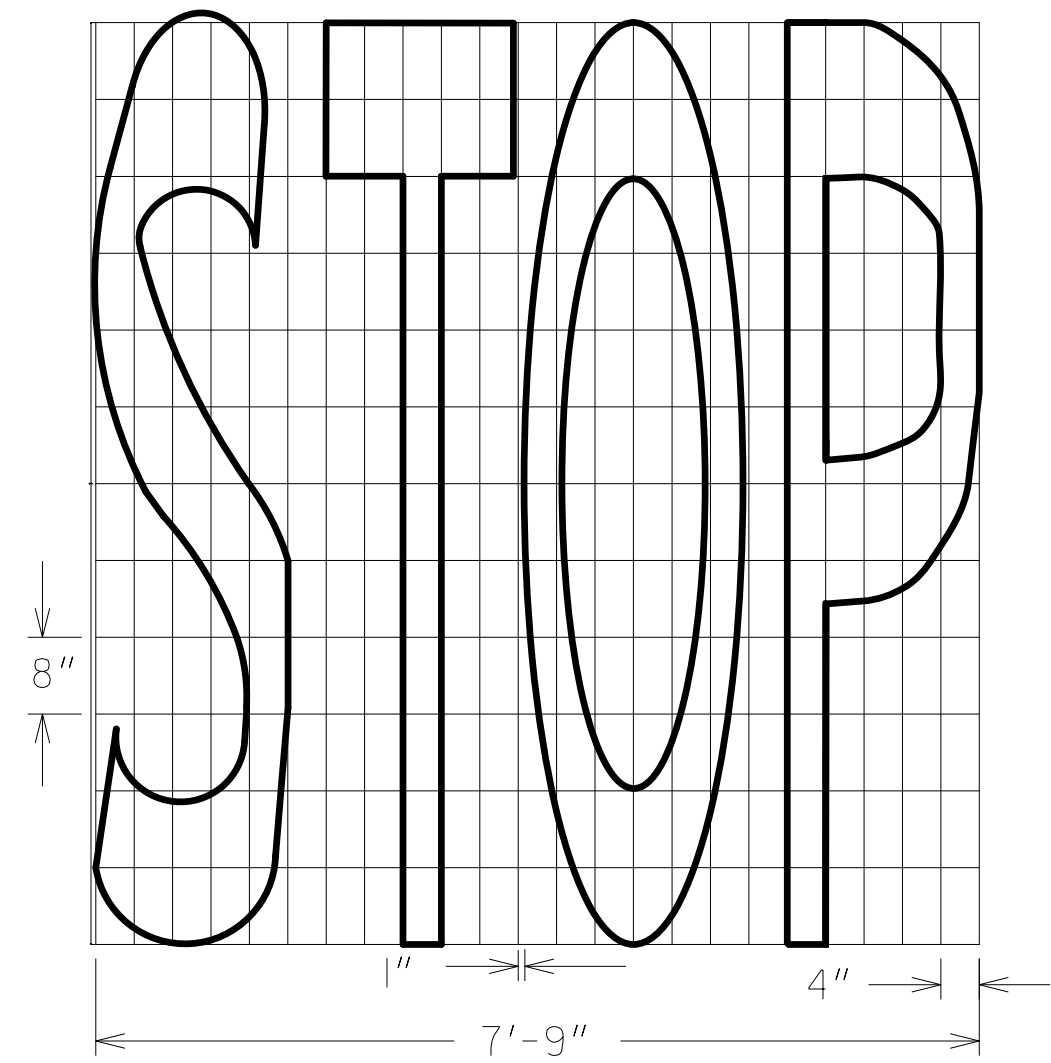
PAVEMENT MARKING, ARROW, TYPE 8
WHITE

NOTES:
1. PAVEMENT MARKING ARROWS WITH A DOT (2A, 3A, 5A) SHALL
BE USED ALONG MULTI-LANE ROUNDABOUT APPROACHES ALONG
THE INSIDE LANE ONLY

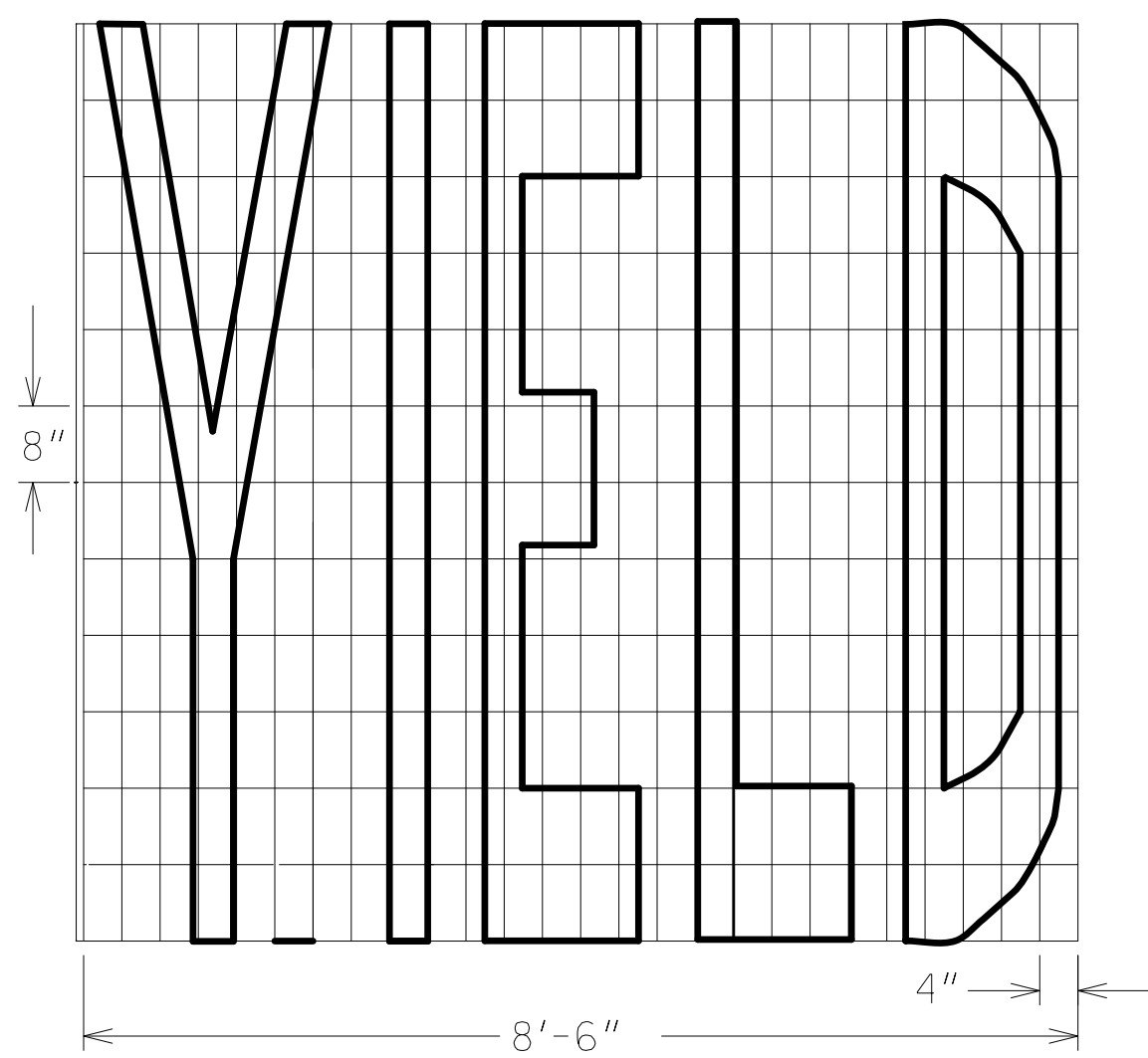
09-13-19	ADDED PAVEMENT MARKING	DATE	DEPARTMENT OF TRANSPORTATION	
4-11-00	ARROWS FOR ROUNDABOUTS		STATE OF GEORGIA	
4-11-00	CHANGED LOCATION OF RPM'S		CONSTRUCTION DETAILS	
4-11-00	ON WRONG WAY ARROW		PAVEMENT MARKINGS - ARROWS	
	REVISION		NO SCALE	
			JANUARY 2000	
ACP		DESIGNED		NUMBER
		DRAWN		T-12B
		TRACED		
		CHECKED		



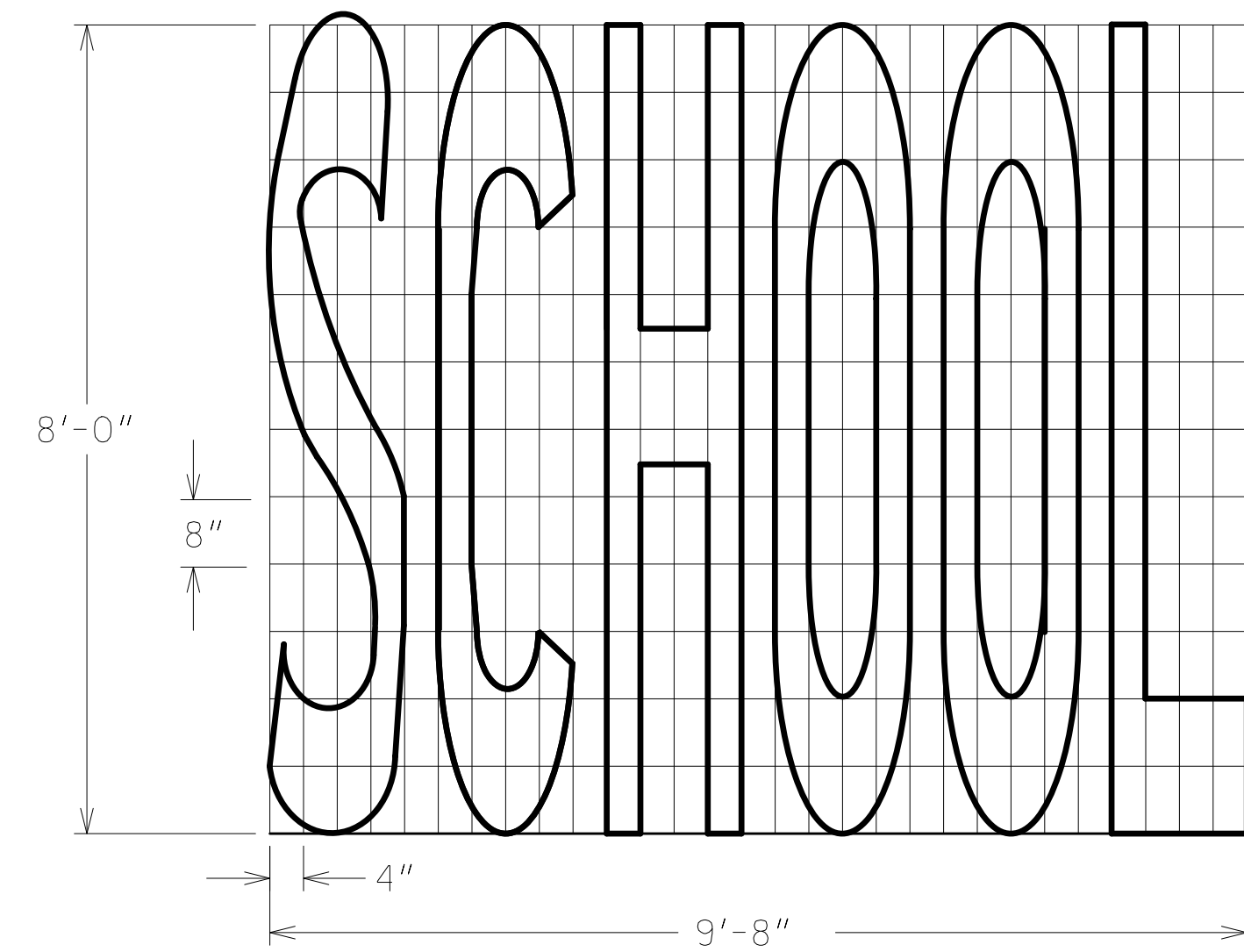
TYPE 1
AREA = 20.8 FT²



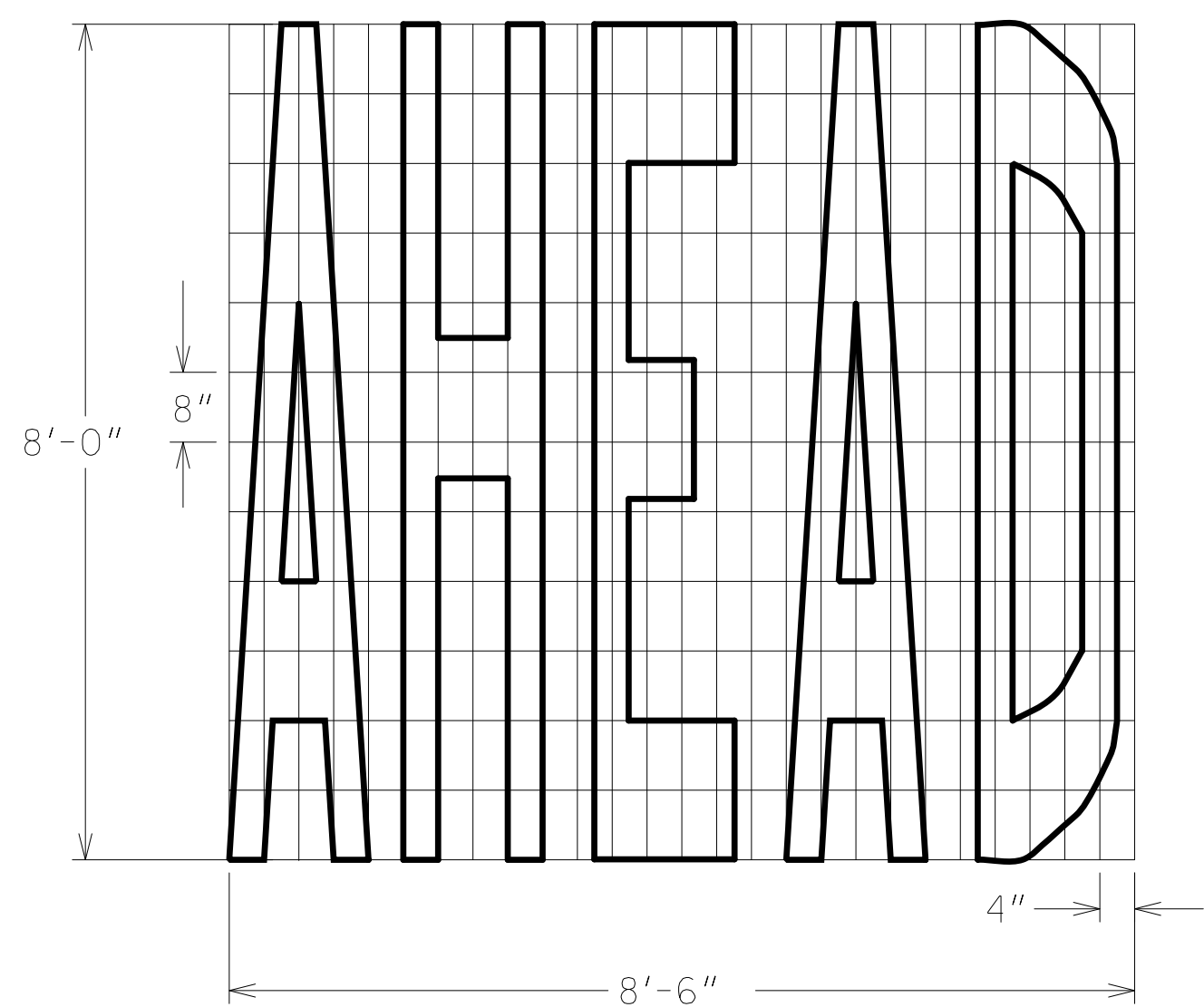
TYPE 2
AREA = 25.4 FT²



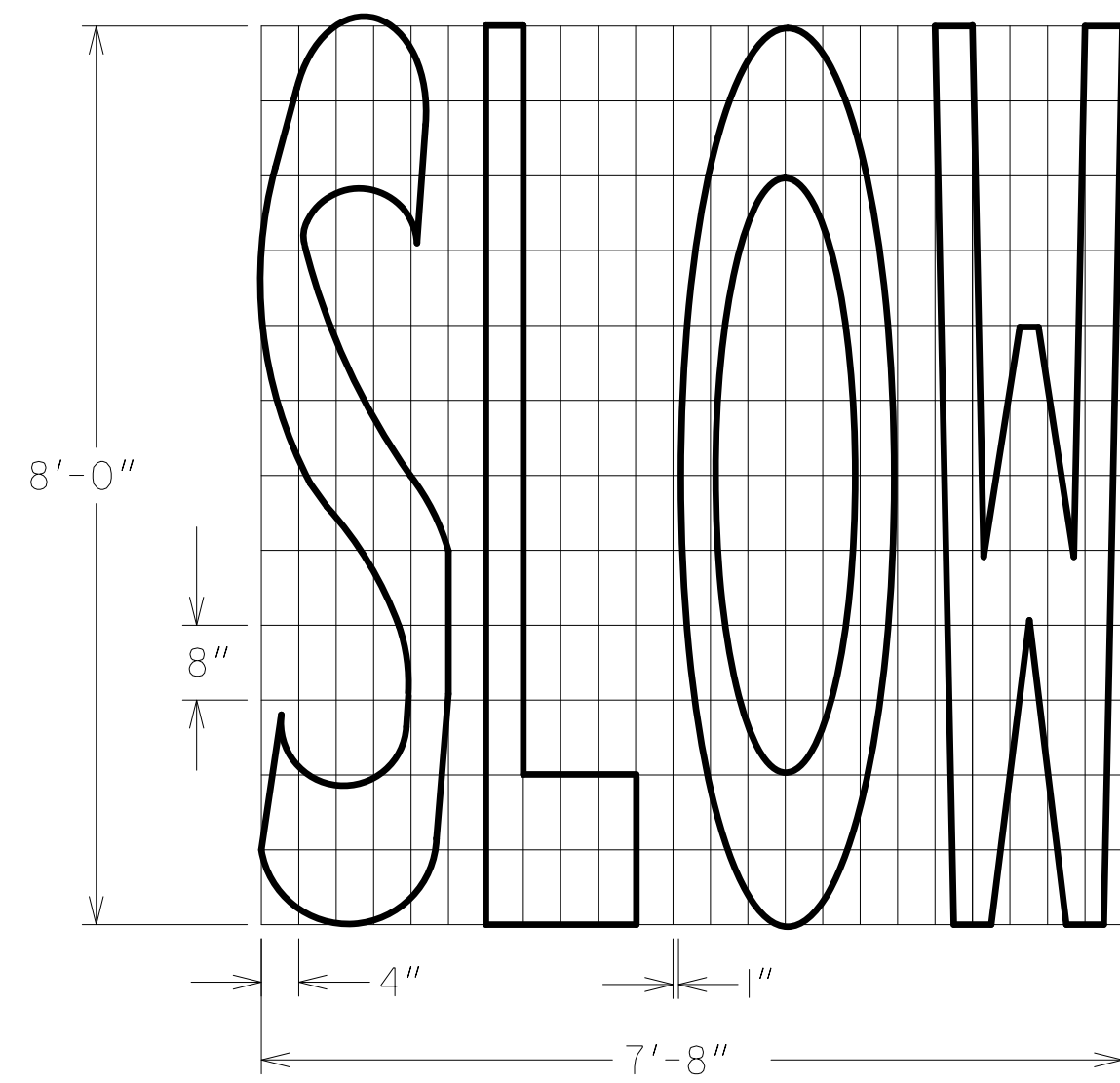
TYPE 15
AREA = 25.4 FT²



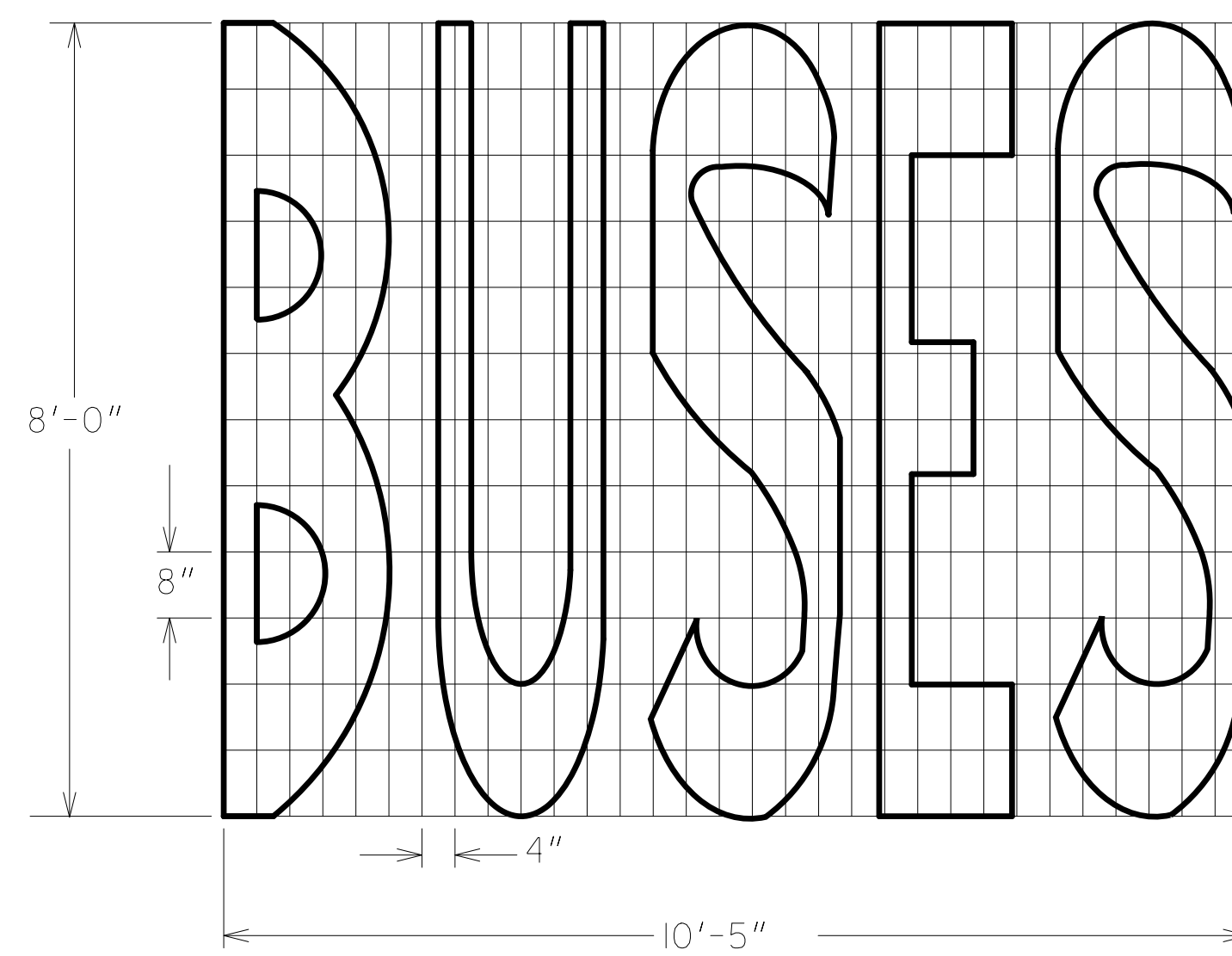
TYPE 3A
(SINGLE LANE)
AREA = 33.5 FT²



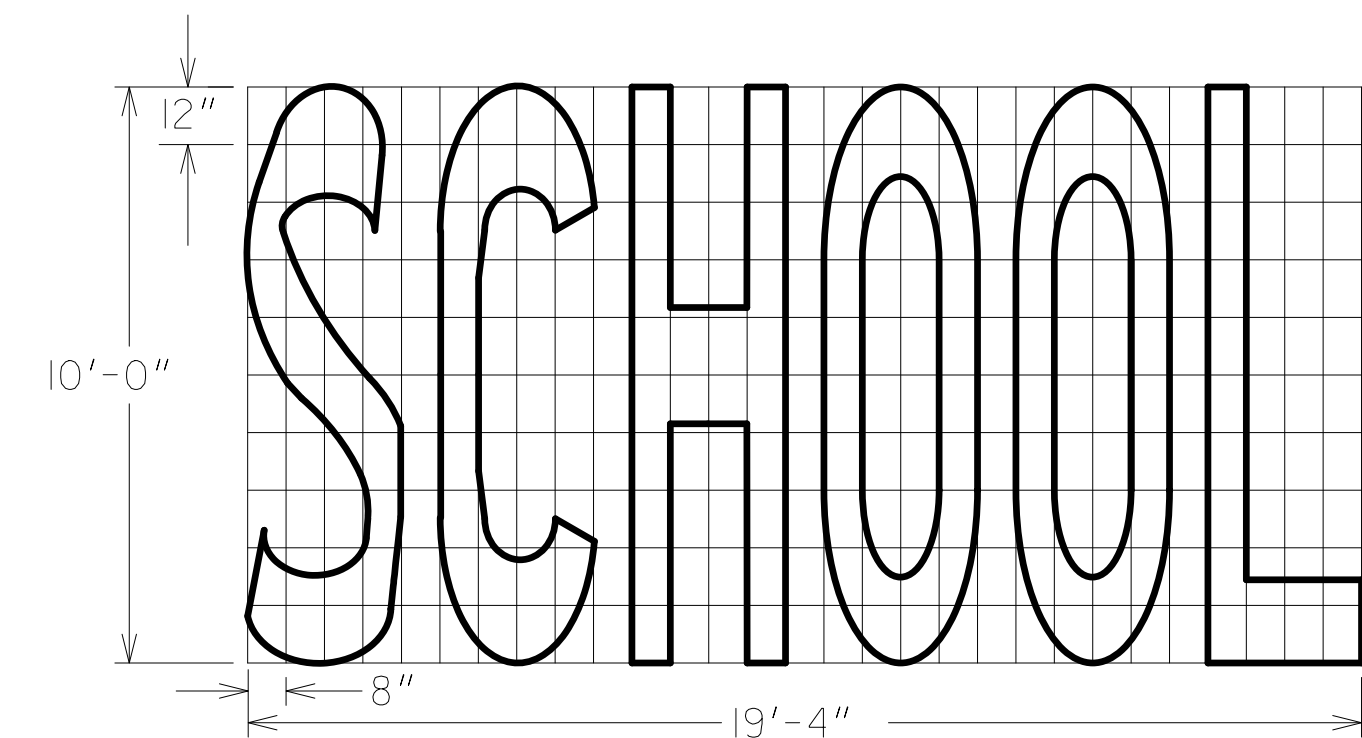
TYPE 4
AREA = 29.1 FT²



TYPE 5
AREA = 25.4 FT²

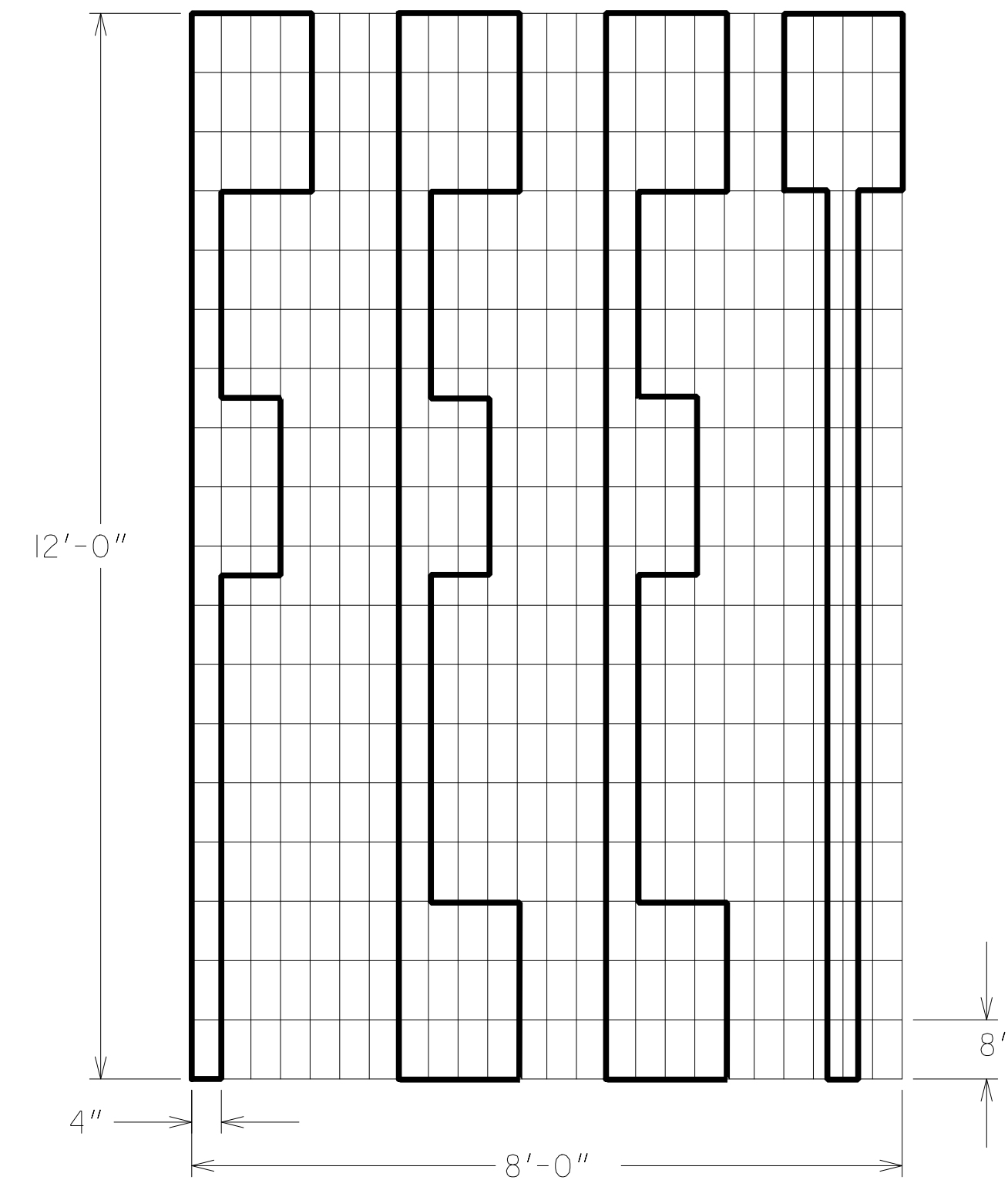
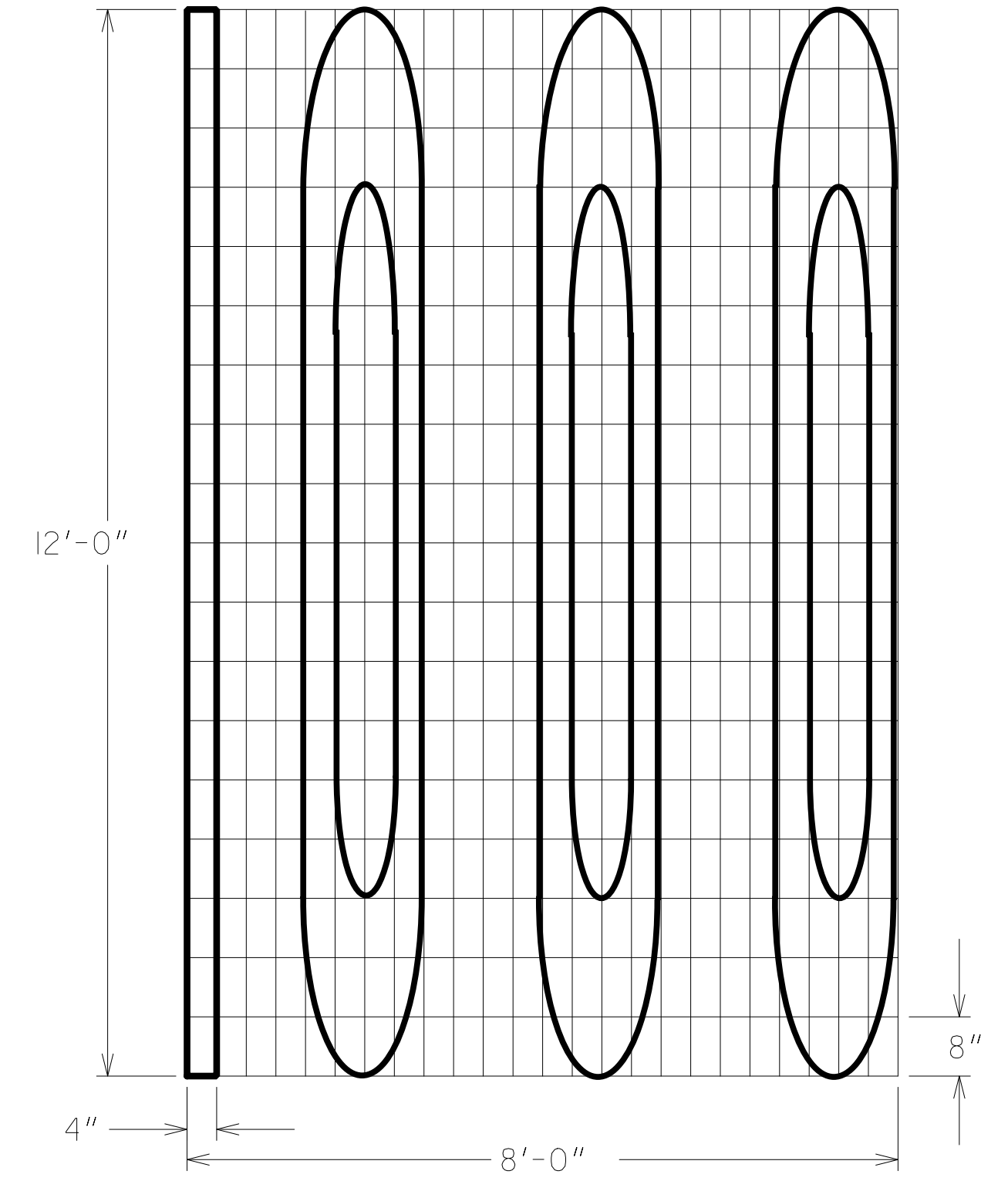
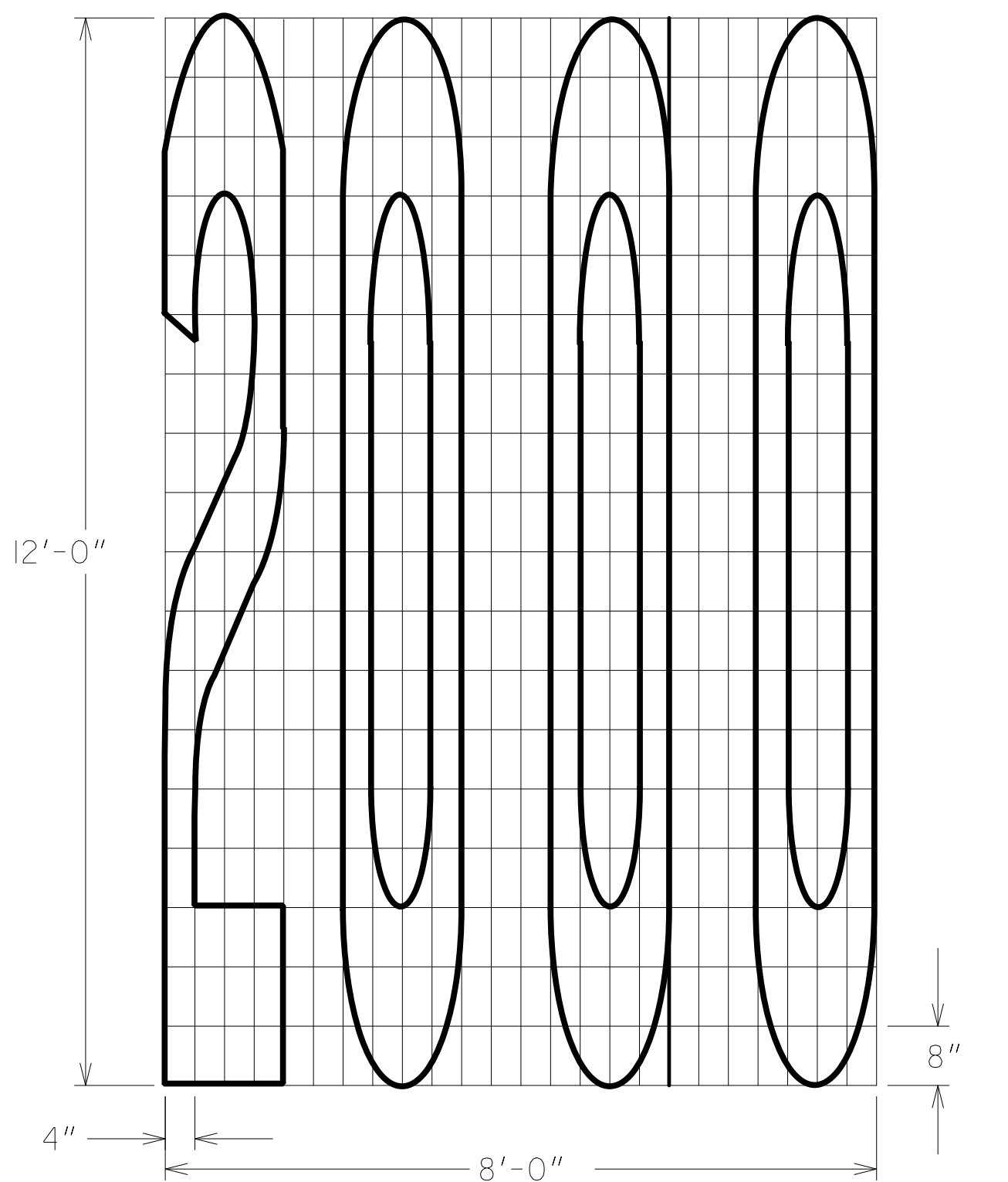
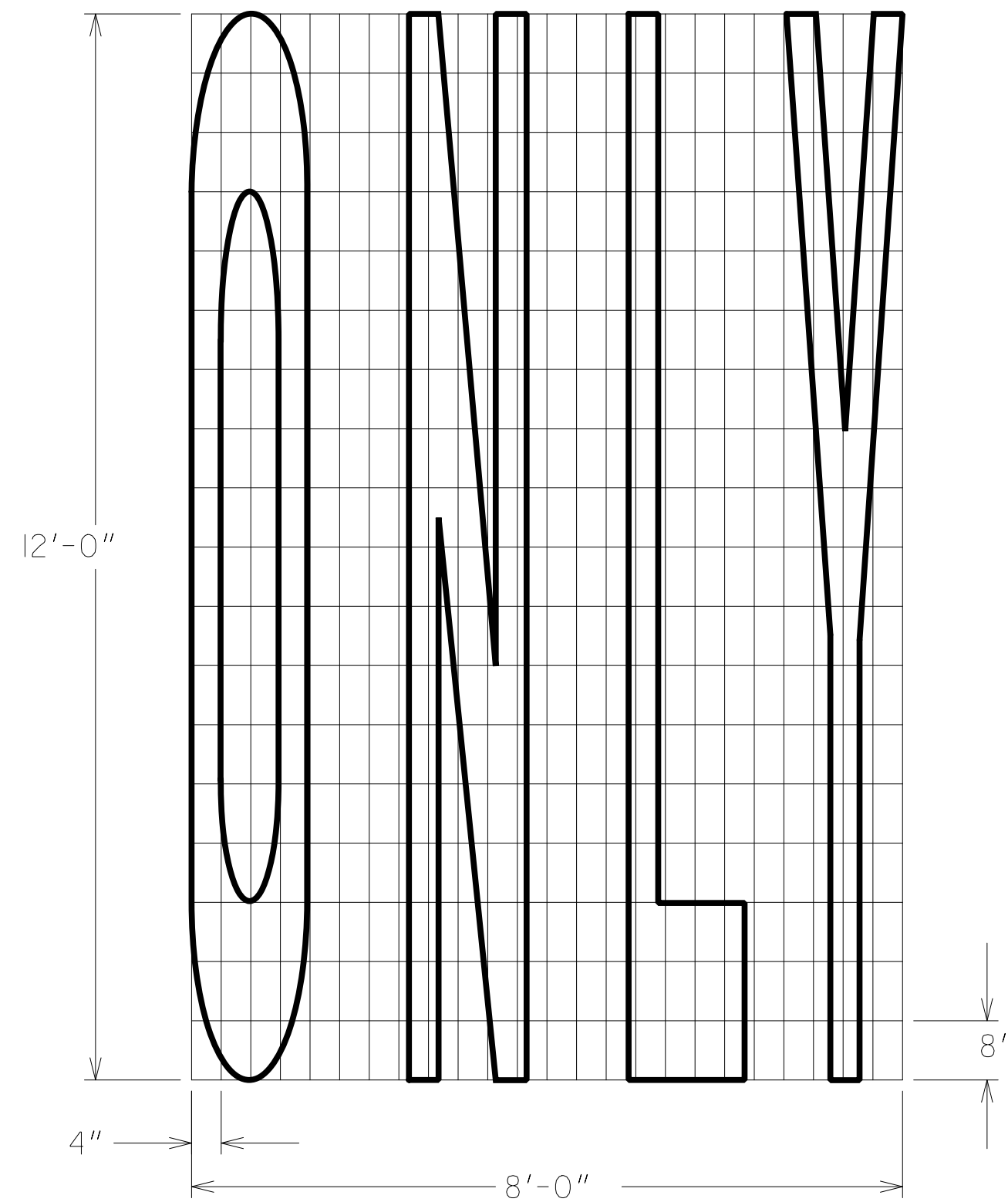
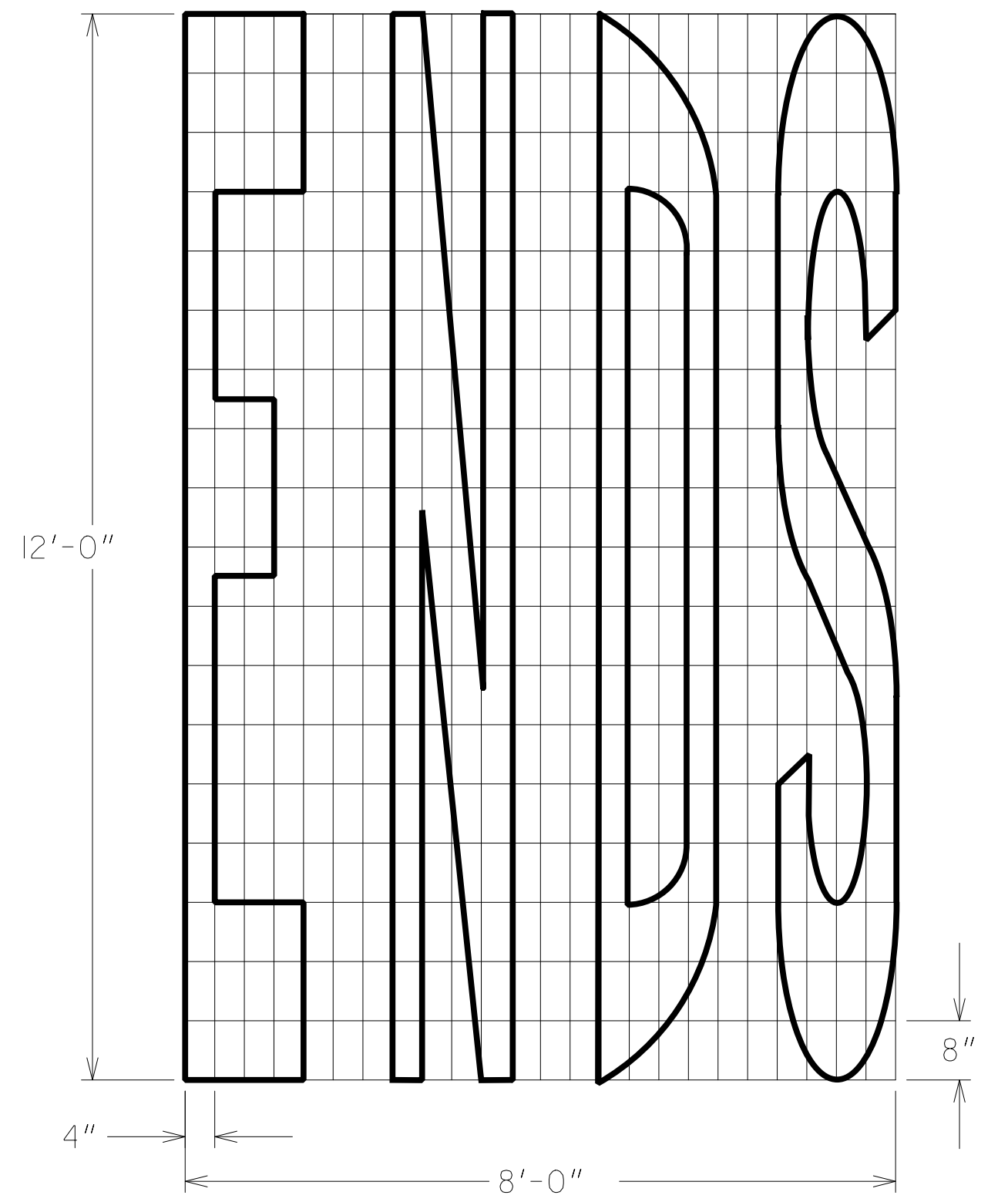
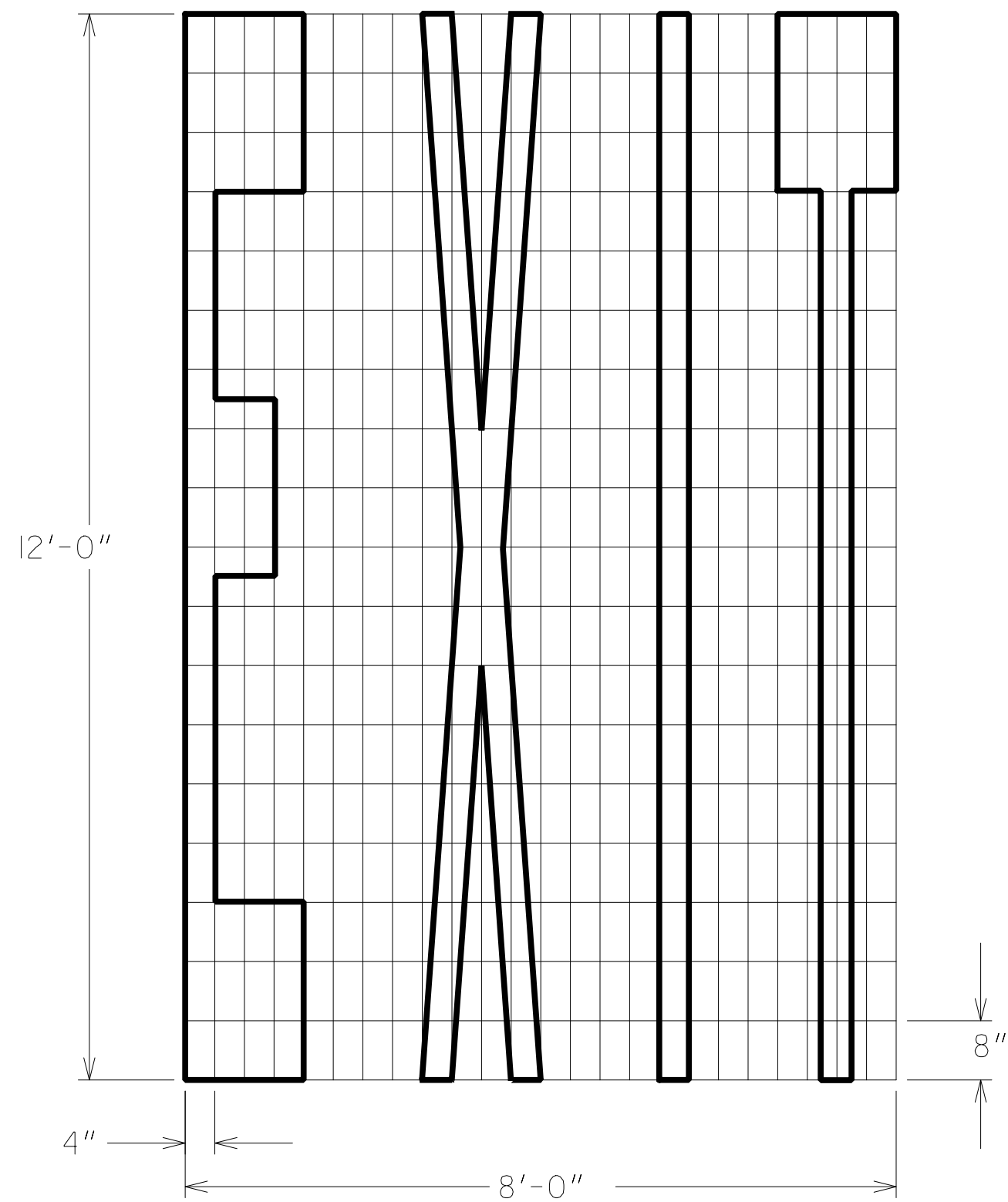
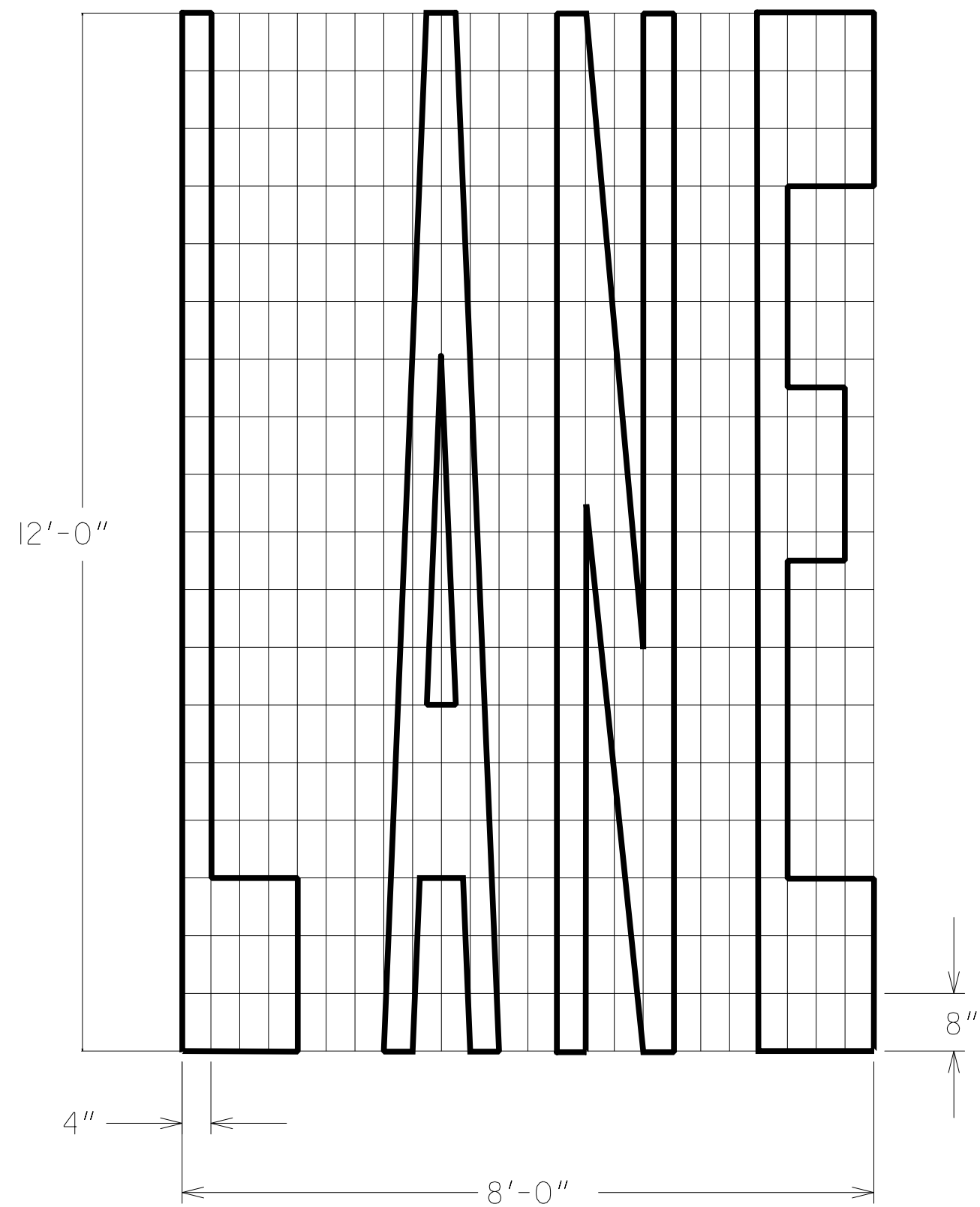


TYPE 6
AREA = 38.1 FT²



TYPE 3B
(TWO LANES)
AREA = 85.0 FT²

		9-15-16	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		RENUMBER TO SH 1 OF 3	REVISION	CONSTRUCTION DETAILS	
				DETAILS OF PAVEMENT MARKING WORDS	
				NO SCALE	SHEET 1 OF 3
					JANUARY 2000
		CDR	BY	DESIGNED _____ DRAWN _____ TRACED _____ CHECKED _____	NUMBER T-13A



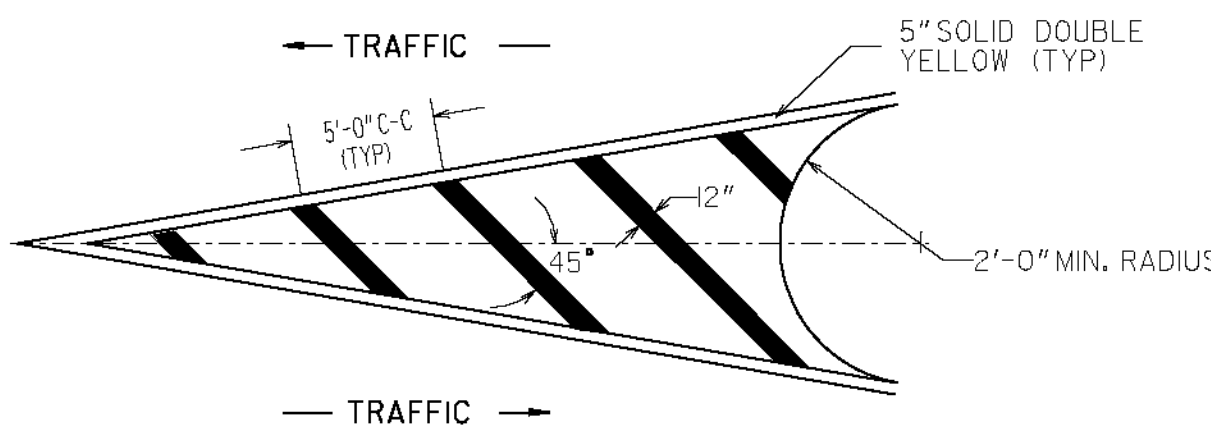
NOTE:
EACH OF THE PAVEMENT WORDS ON THIS DETAIL DEPICTS WORDS BASED ON A DESIGN SPEED OF 50-70 MPH.
(A= 12 FT DISTANCE).

FOR DESIGN SPEEDS OF 35-45 MPH (A=8 FT DISTANCE),
USE PAVEMENT WORDS WITH THE FOLLOWING
DIMENSIONS: VERTICAL 8'-0" AND HORIZONTAL 5'-4".

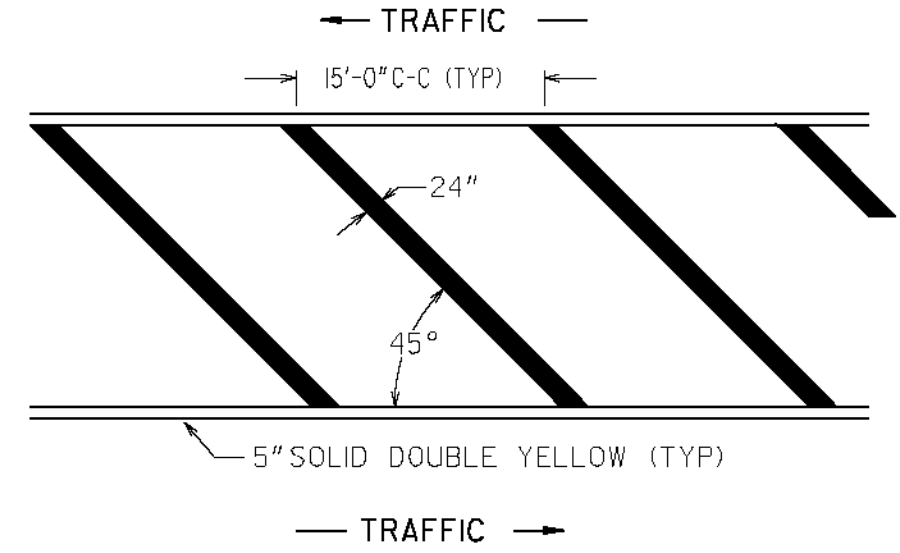
SEE CONSTRUCTION DETAIL T-13C FOR SPEED LIMIT
DISTANCE TABLE.

9-15-16				DEPARTMENT OF TRANSPORTATION			
				STATE OF GEORGIA			
CDR	ADD PAVMT WORD *ONLY*	REM (AREA SFI PER WORD)	ADD WORD DIM NOTE A=8 FT	DATE	CONSTRUCTION DETAILS		
					NO SCALE		
SHEET 2 OF 3							
JANUARY 2000							
BY	DESIGNED	_____			NUMBER T-13B		
	DRAWN	_____					
	TRACED	_____					
	CHECKED	_____					

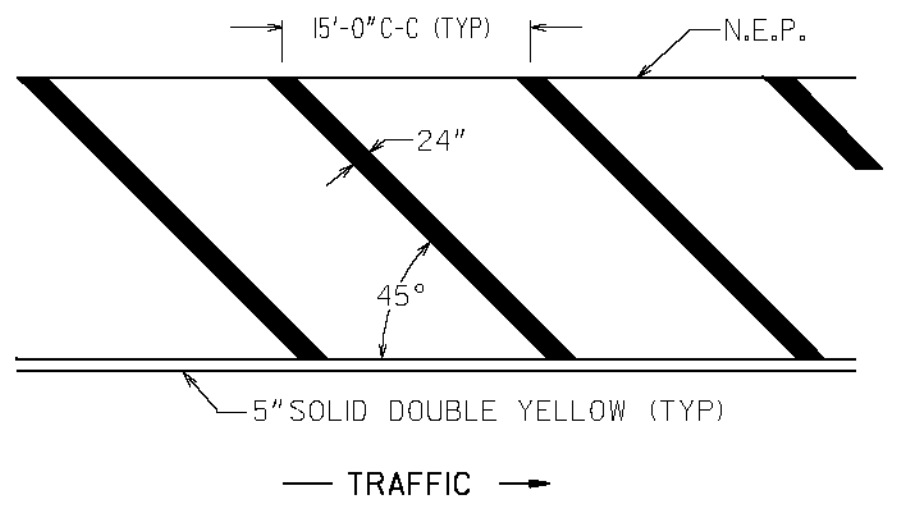
DETAIL "A"(YELLOW)



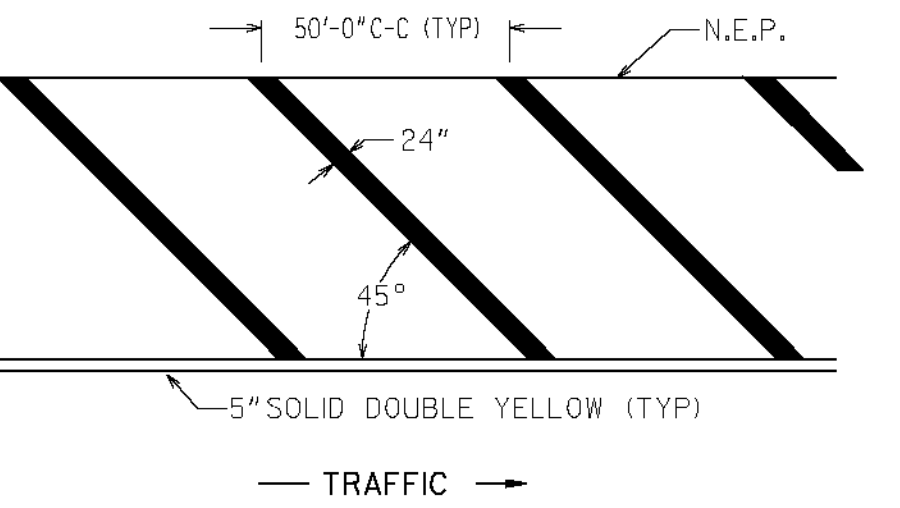
DETAIL "B"(YELLOW)



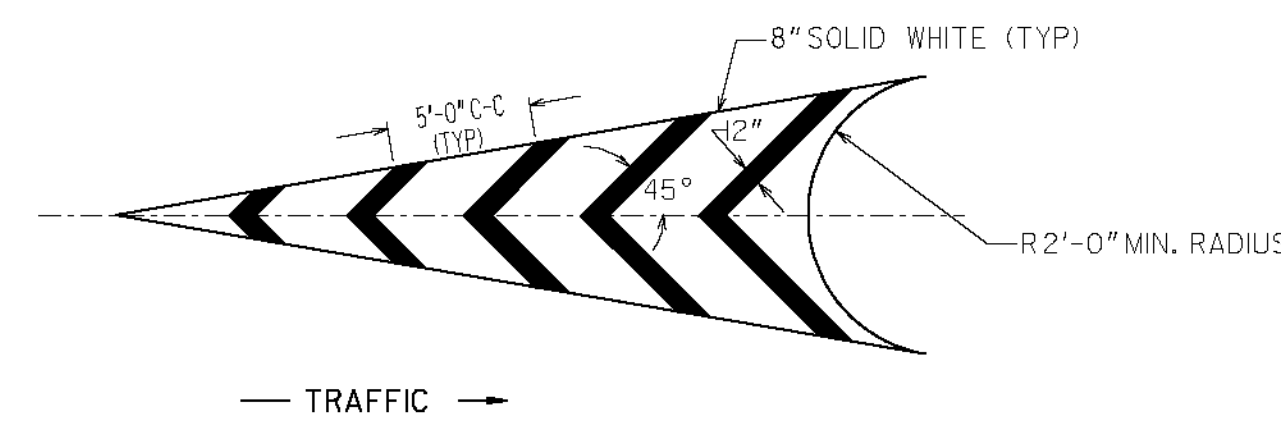
DETAIL "C"(YELLOW)



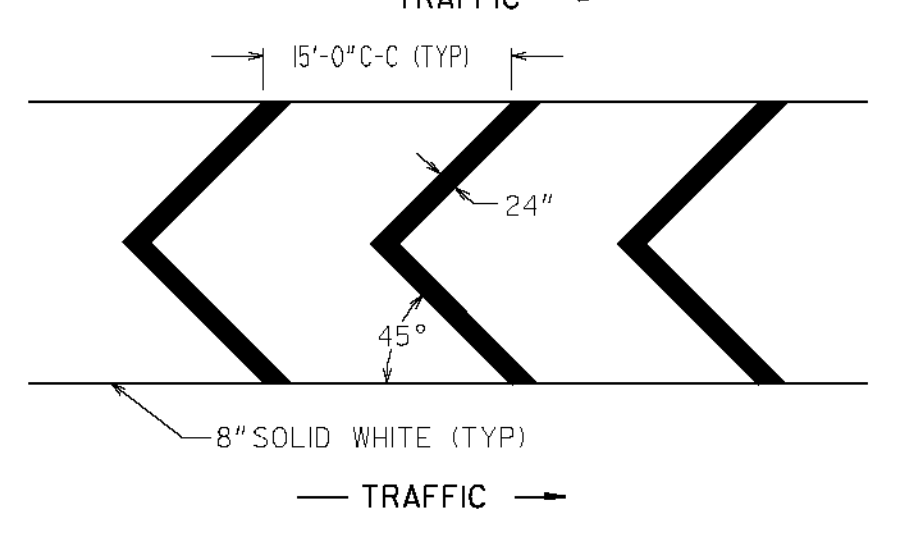
DETAIL "D"(YELLOW)



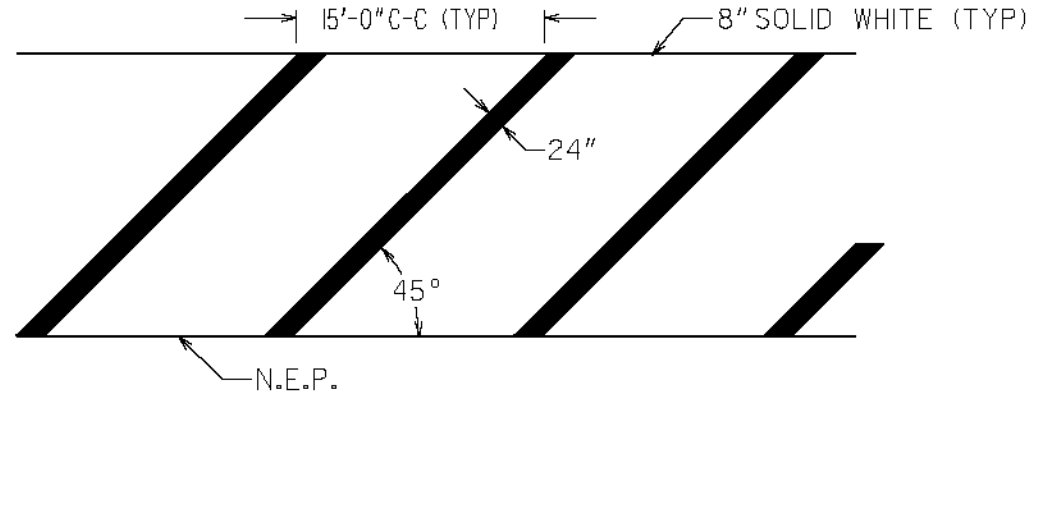
DETAIL "A"(WHITE)



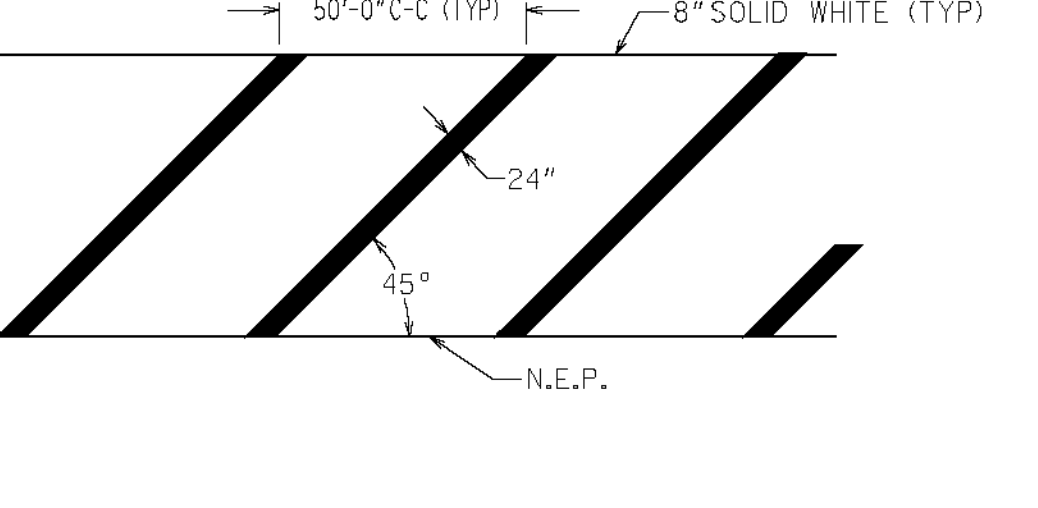
DETAIL "B"(WHITE)



DETAIL "C"(WHITE)



DETAIL "D"(WHITE)



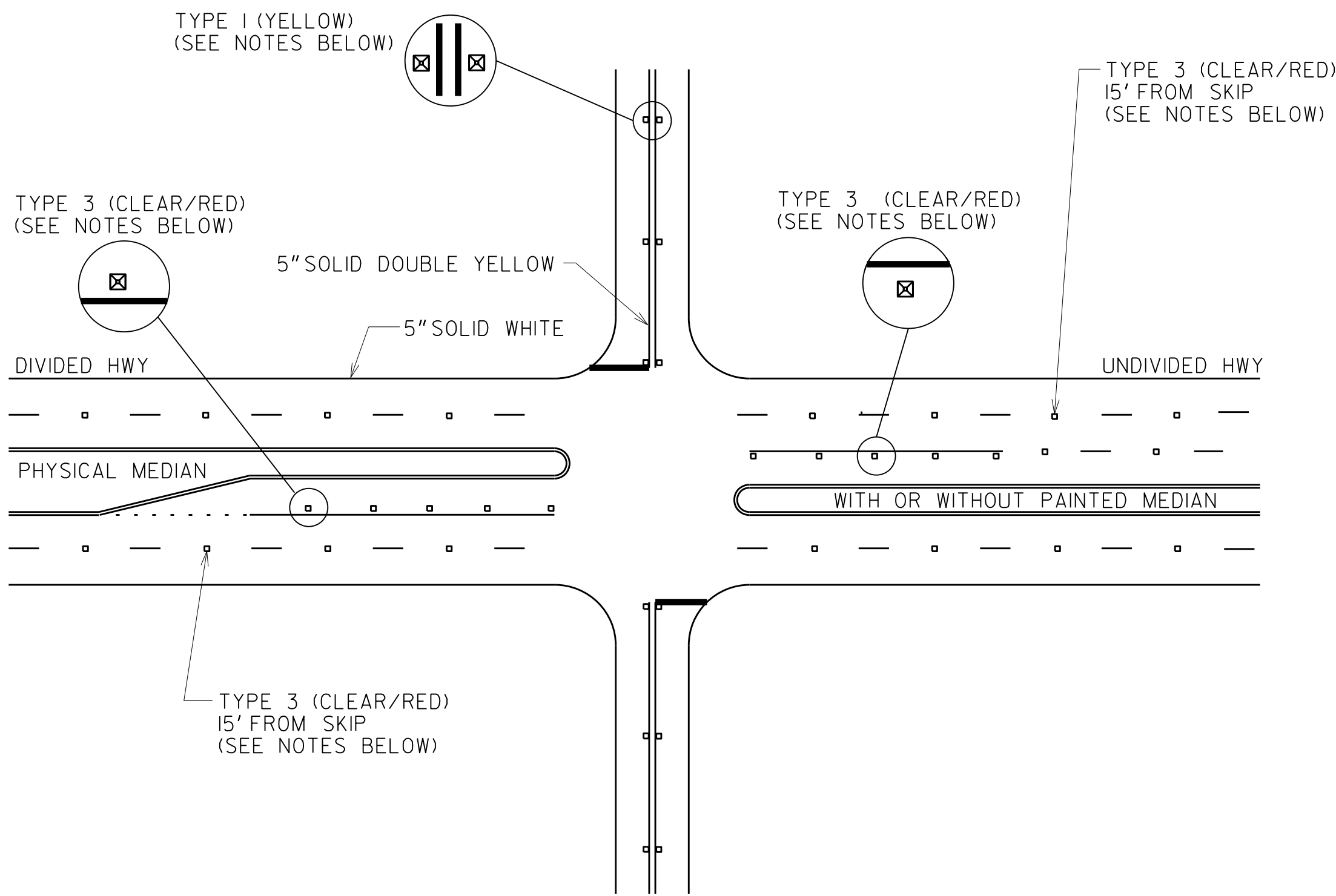
GENERAL NOTES:

1. FOR YELLOW STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDE THE AREA WITHIN THE BORDERS AND THE 5" SOLID DOUBLE YELLOW BORDER.

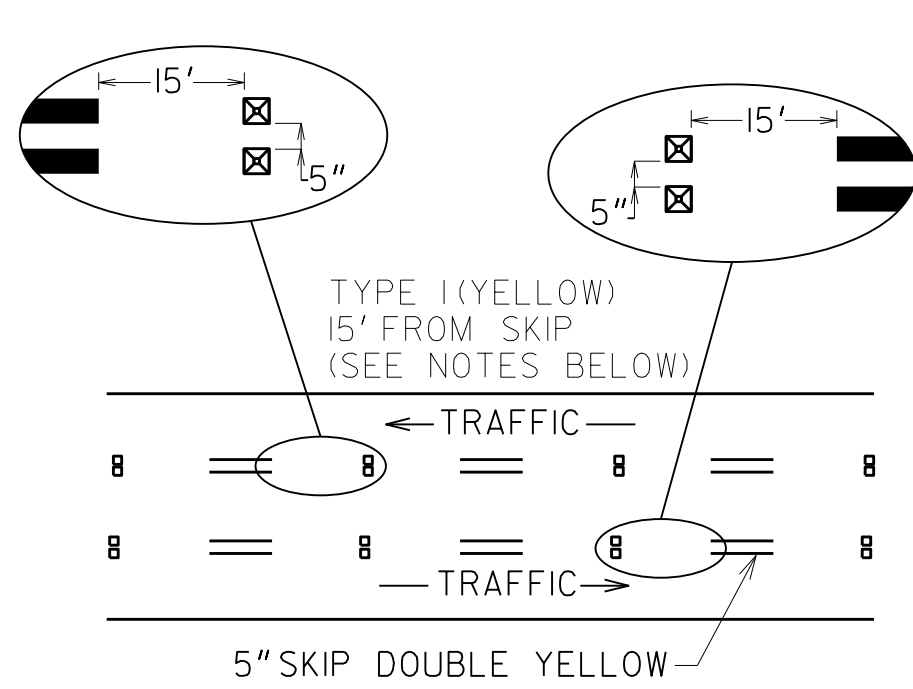
2. FOR WHITE STRIPING, THE SQUARE YARDS SHOWN ON PLAN, SUMMARY AND DETAILED ESTIMATE SHEETS INCLUDES THE AREA WITHIN THE BORDERS AS WELL AS THE 8" SOLID WHITE BORDER.

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

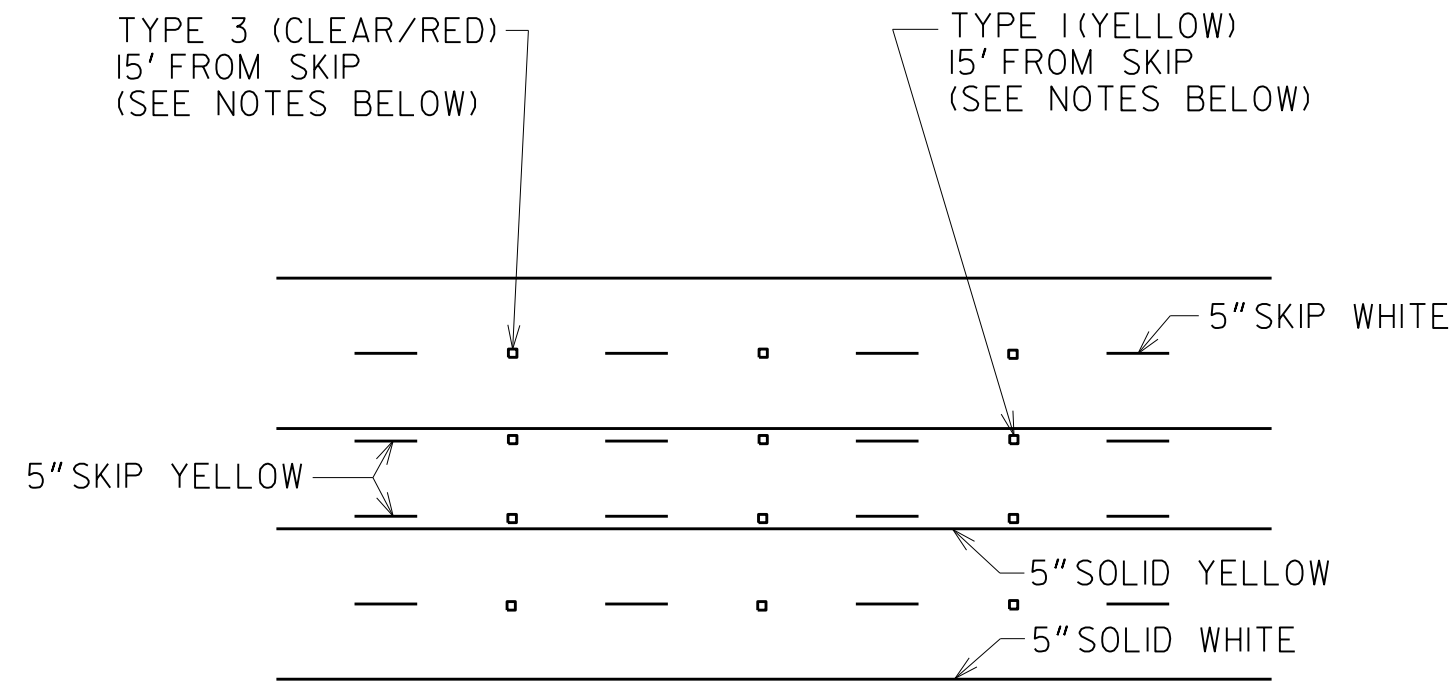
DIVIDED / UNDIVIDED HIGHWAY



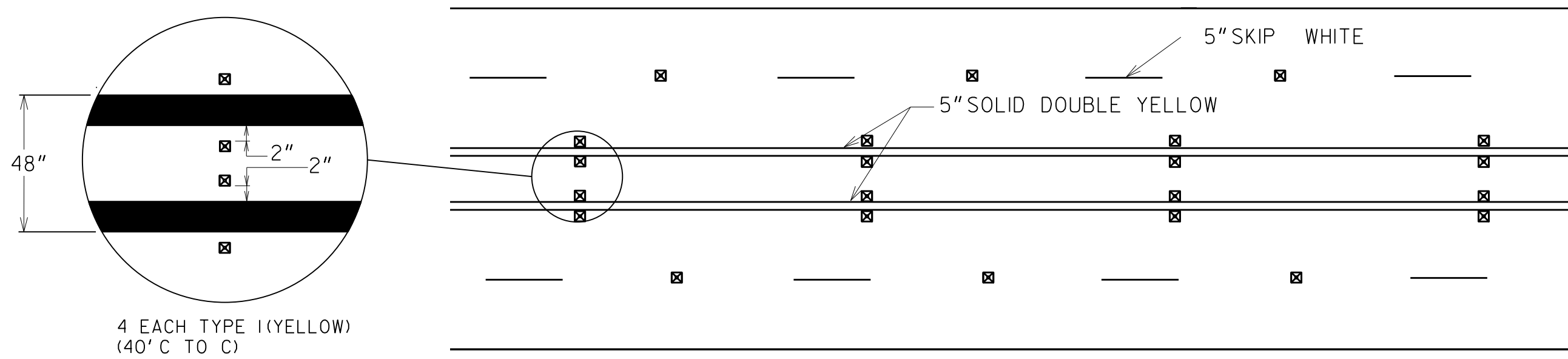
REVERSIBLE LANE



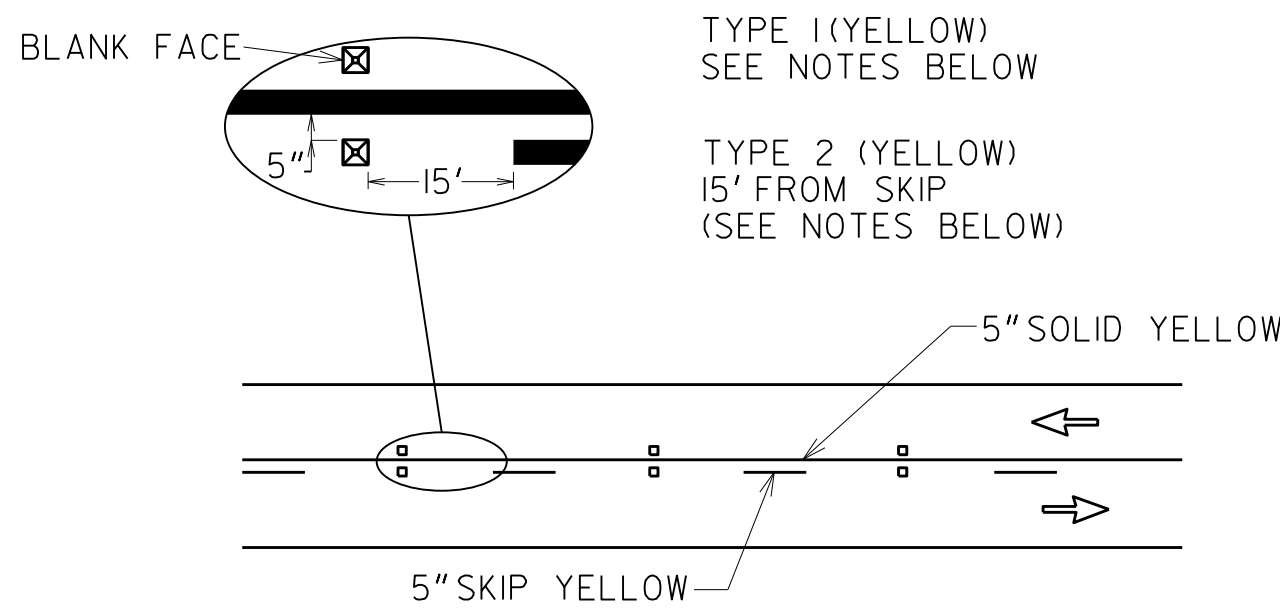
TWO WAY LEFT TURN LANE



4'-0" STRIPED FLUSH MEDIAN

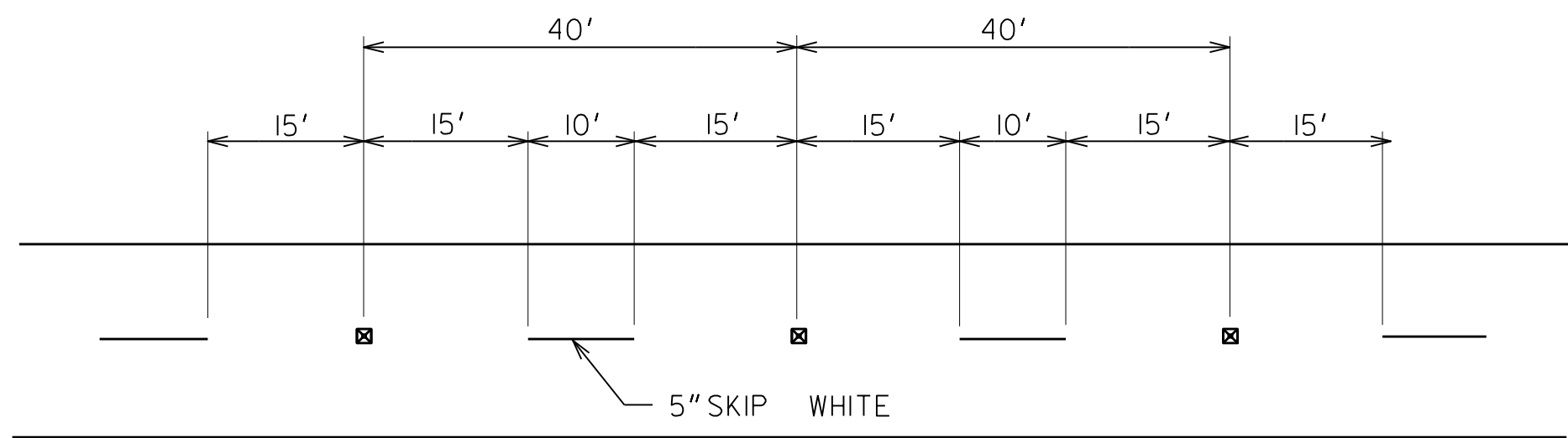


NO PASSING ZONE

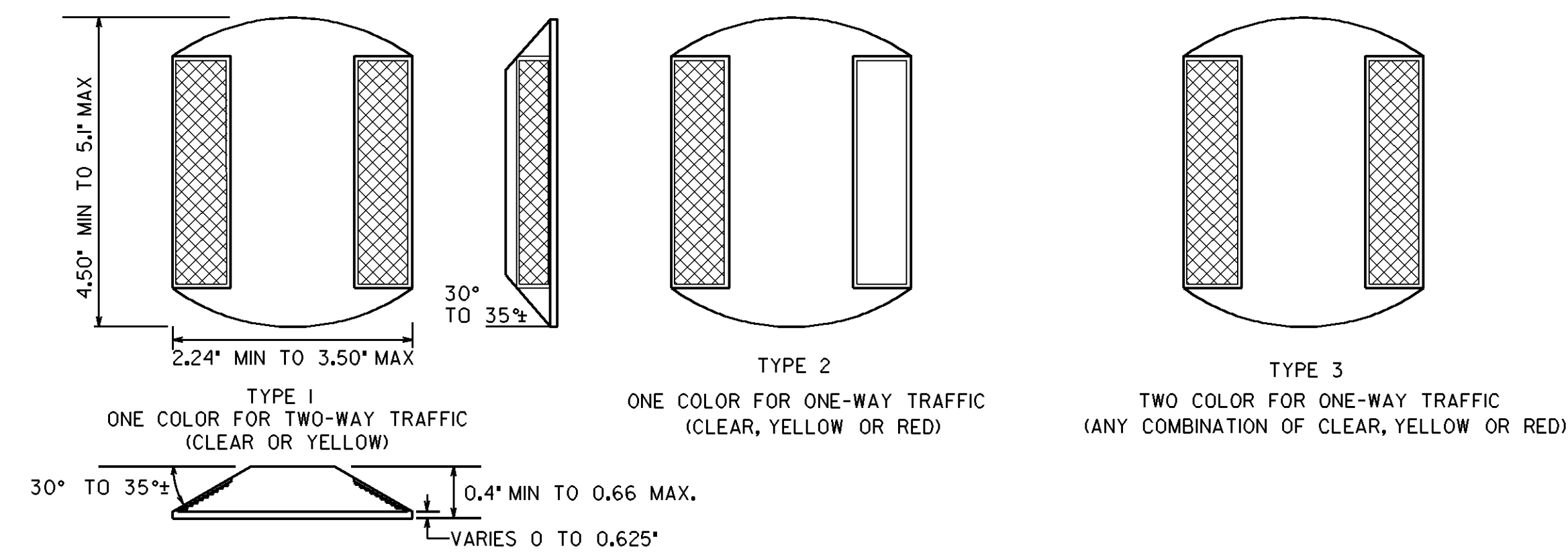


- GENERAL NOTES:
1. RAISED PAVEMENT MARKERS SHALL BE SPACED EVERY 40 FT UNLESS OTHERWISE SPECIFIED.
 2. ON SOLID WHITE TURN BAY LINES, SPACING SHALL BE 20 FT.
 3. RAISED PAVEMENT MARKERS SHALL BE OFFSET 5 INCHES FROM SOLID LANE LINES.
 4. CLEAR FACE OF TYPE 3 RAISED PAVEMENT MARKERS SHALL BE ORIENTED TOWARD ONCOMING TRAFFIC.

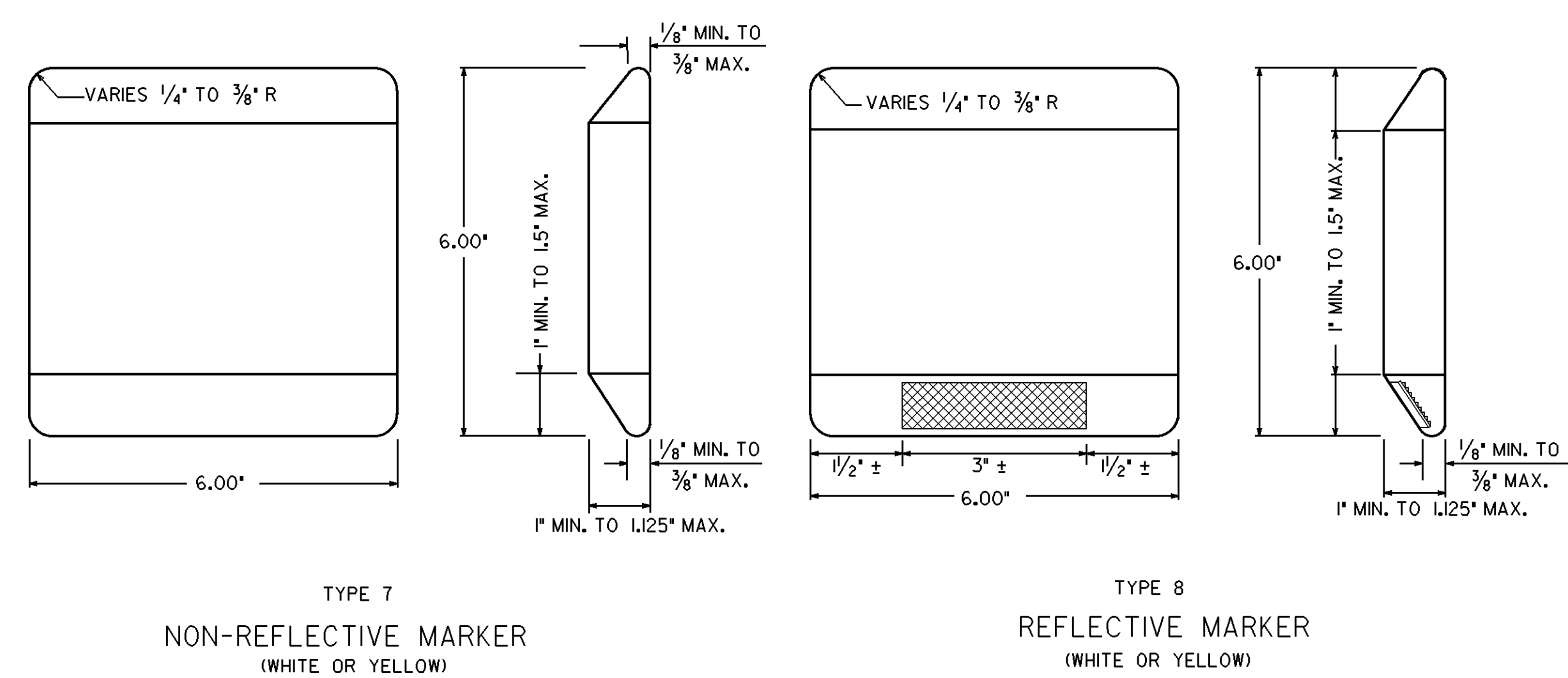
TYPICAL RPM/STRIPE SPACING



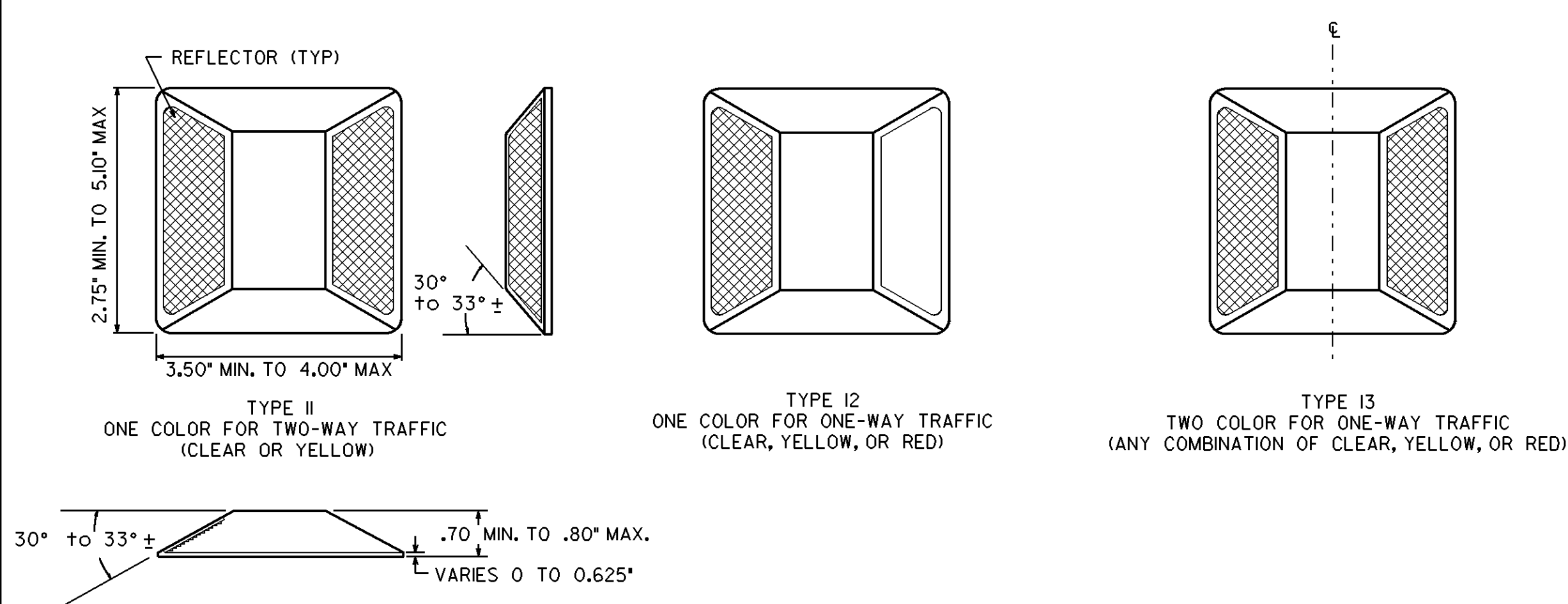
		9-15-2016	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REV. RPM SPACING TO 40'	REVISION	CONSTRUCTION DETAILS RAISED PAVEMENT MARKER LOCATION NON-LIMITED ACCESS ROADWAY	
				NO SCALE	REV. AND REDRAWN, JUNE 2015
		CDR	BY	DESIGNED _____ DRAWN _____ TRACED _____ CHECKED _____	NUMBER T-15A



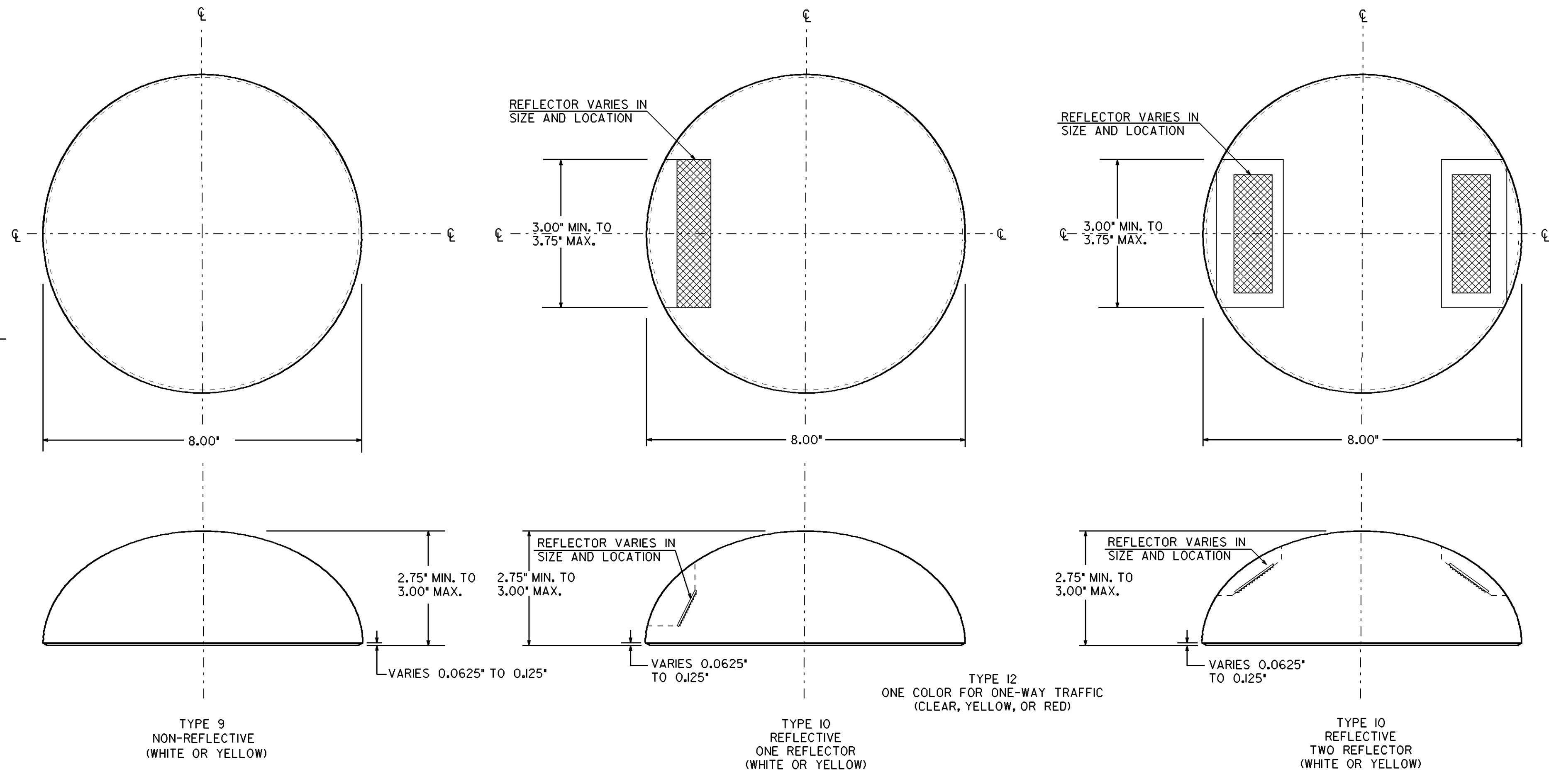
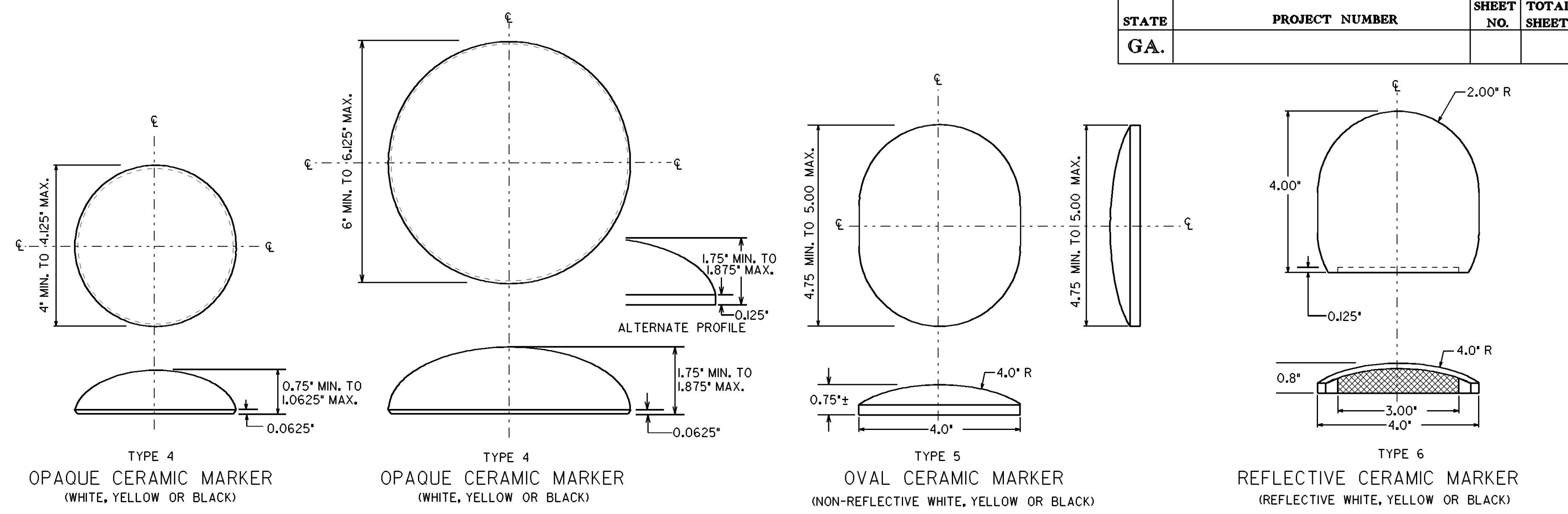
RAISED REFLECTIVE MARKERS



CERAMIC JIGGLE BAR MARKER



ALTERNATE RAISED REFLECTIVE MARKERS



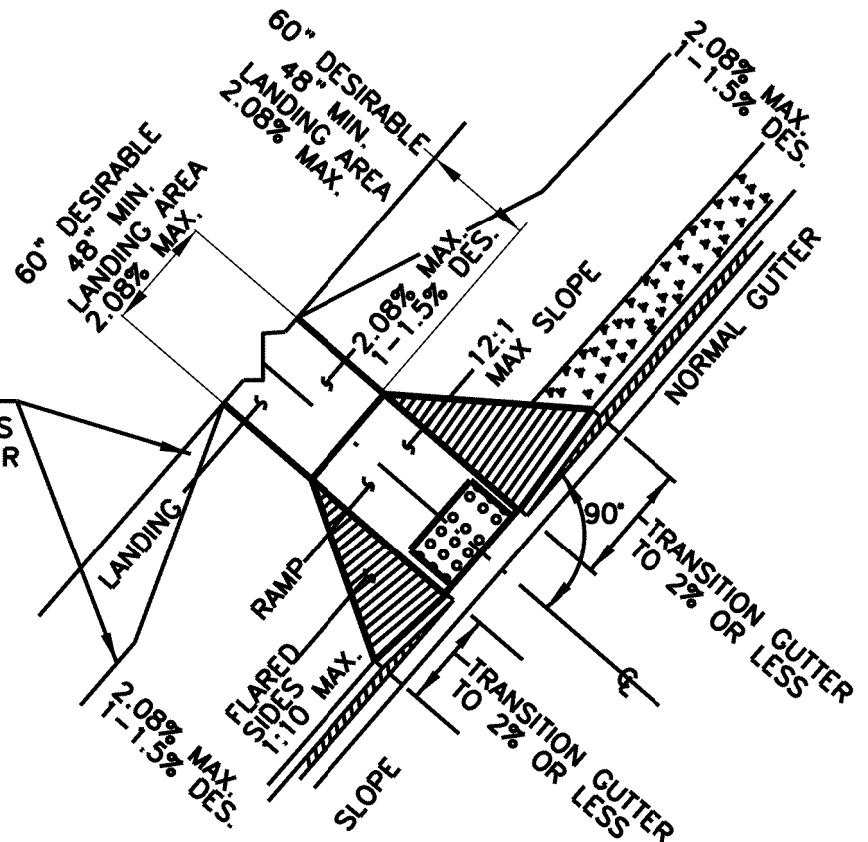
CERAMIC CHANNEL MARKER

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, AND SUPPLEMENTS THERE TO.
2. THE CONTRACTOR SHALL USE RAISED PAVEMNT MAKER SOURCES AS LISTED IN OPL 76.
3. COLORS FOR REFLECTIVE ELEMENTS SHALL BE EITHER CLEAR, YELLOW, OR RED AS SPECIFIED.
4. THE SHELL OF THE REFLECTIVE MARKERS SHALL BE OF ONE COLOR OR OF A COMBINATION OF TWO COLORS, WHICH SHALL BE THE SAME AS THE REFLECTIVE ELEMENT.
5. THE SURFACE OF OPAQUE CERAMIC MARKERS SHALL BE GLAZED AND OF THE COLOR SPECIFIED IN THE PLANS WITH A WHITE, VITREOUS, CERAMIC BASE.
6. COLORS FOR ALL RAISED PAVEMENT MARKERS SHALL BE AS SPECIFIED IN THE PLANS.

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN	
9-22-11	REV. DIMENSIONS, ADDED NOTES TO MARKERS AND REV. GEN. NOTES.	DETAILS OF RAISED PAVEMENT MARKERS	
		NO SCALE	
		JANUARY 2000	

BACK OF SIDEWALK SHALL BE
LOCATED AS SHOWN IN THE PLANS
OR AS DIRECTED BY THE ENGINEER
SO AS NOT TO ENCROACH INTO
THE REQUIRED LANDING AREA.



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta



STANDARD DETAILS

TYPE A PEDESTRIAN RAMP

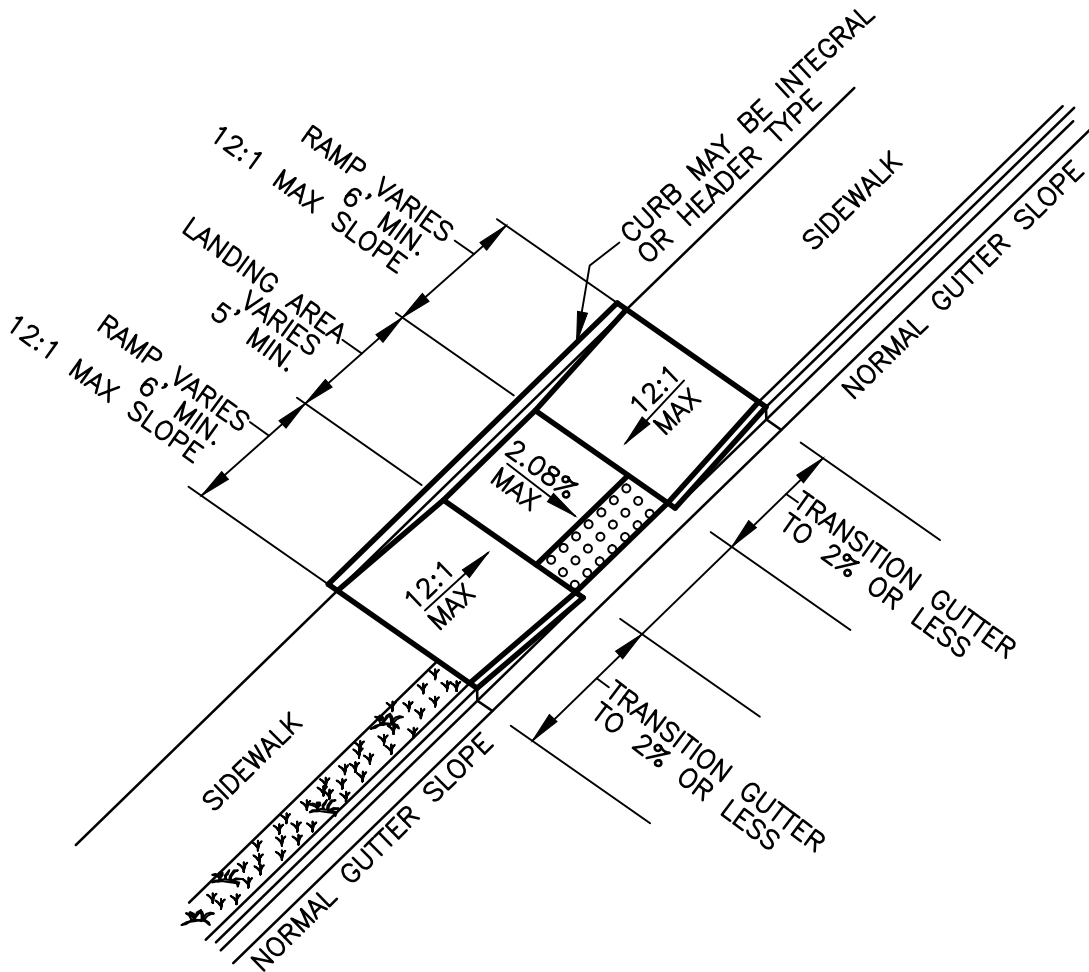
REV.

DATE: SEPT 2011

ORIG. DATE: JAN 1997

SCALE: N.T.S.

DETAIL NO. TR-B_HR001



(NORMALLY USED WHEN SPACE IS NOT AVAILABLE FOR A LANDING AT THE TOP OF A TYPE A RAMP)

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta



STANDARD DETAILS

TYPE B PEDESTRIAN RAMP

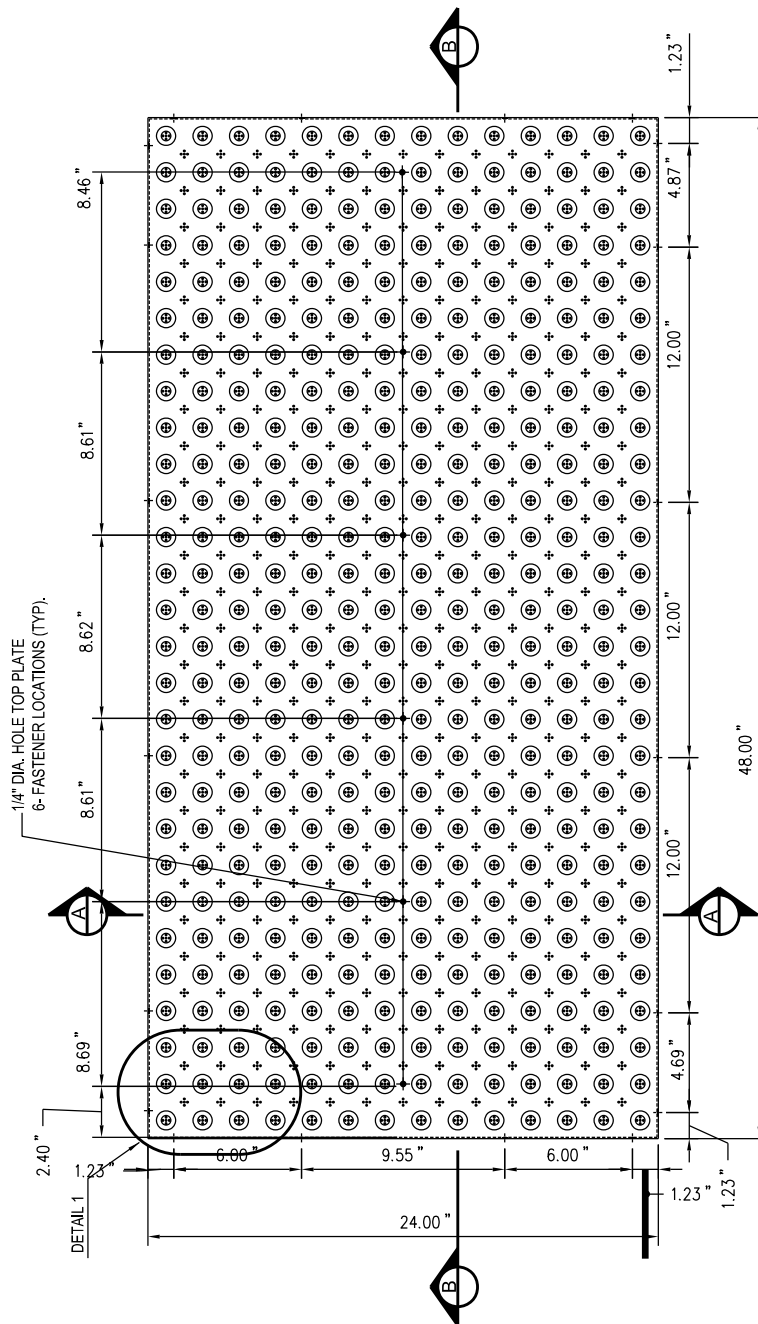
REV.

DATE: SEPT 2011

ORIG. DATE: JAN 1997

SCALE: N.T.S.

DETAIL NO. TR-B_HR002



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta

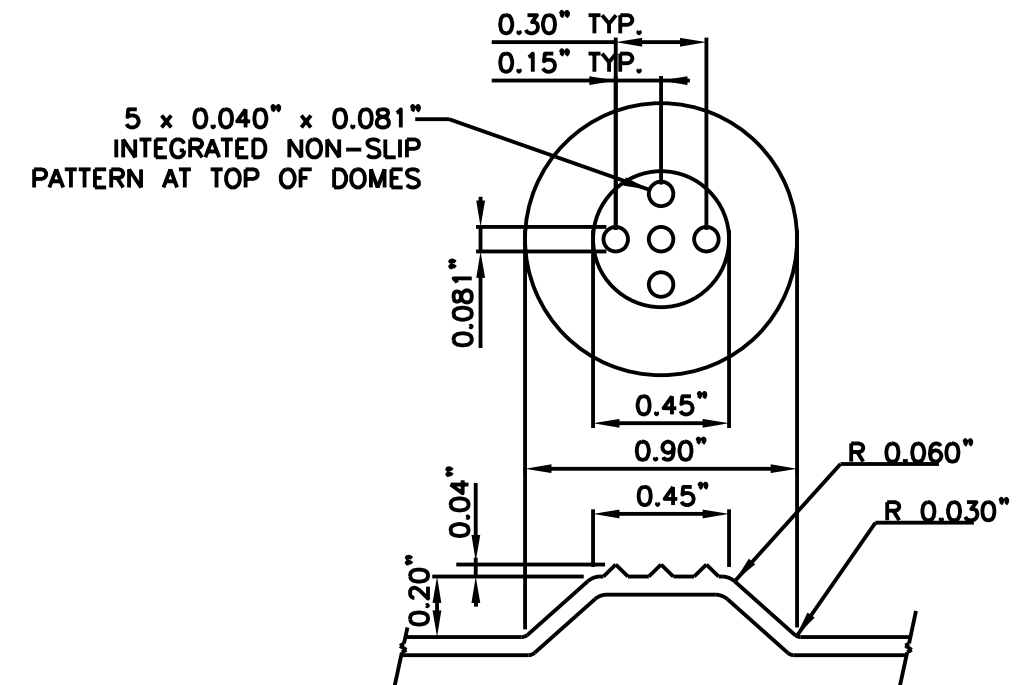
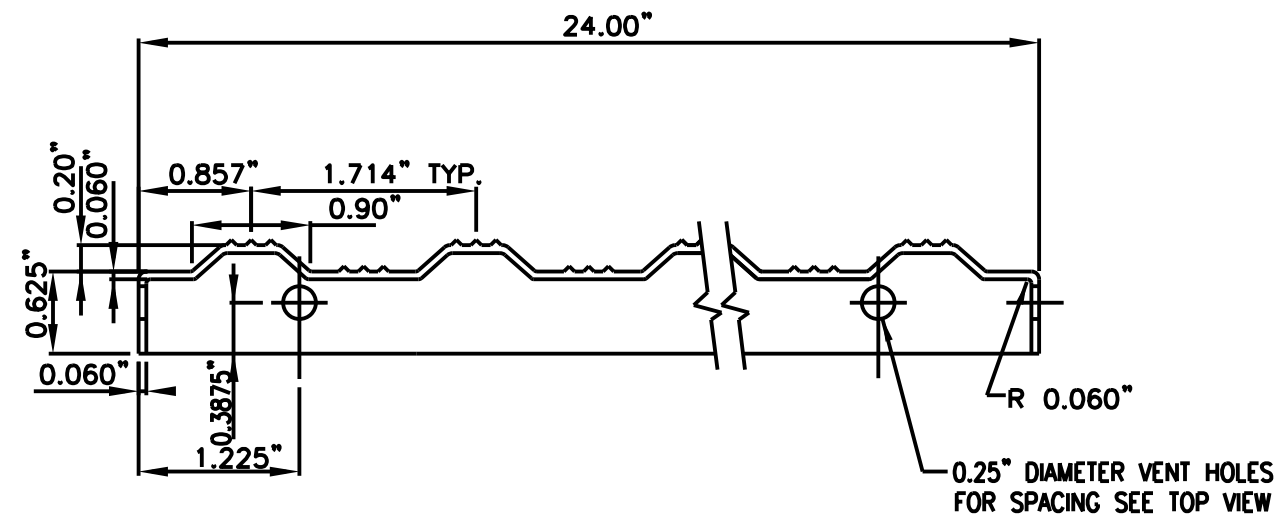
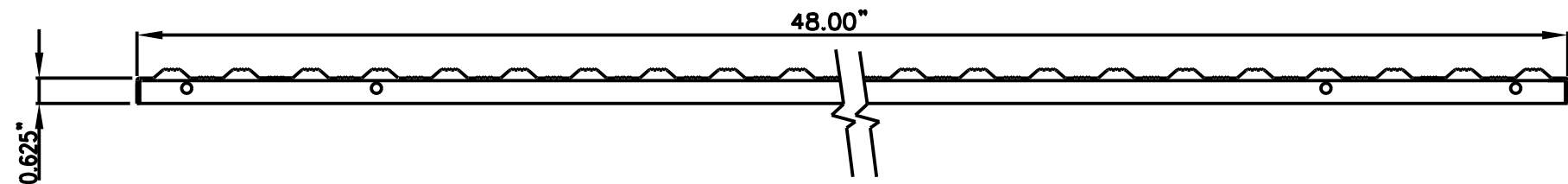
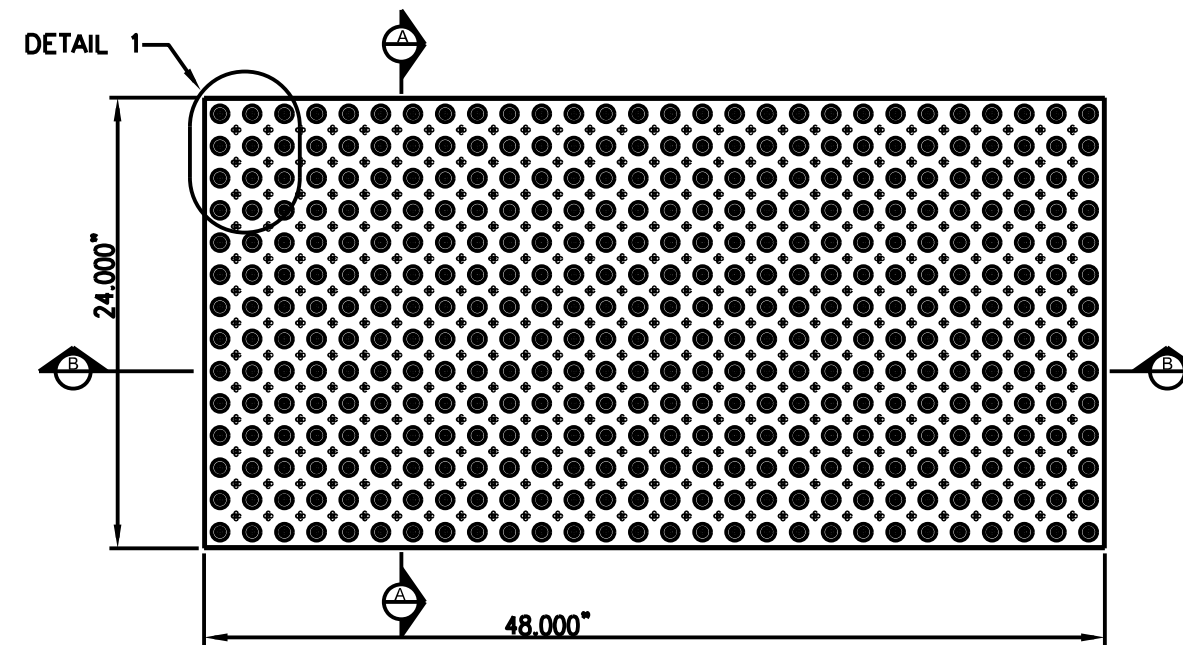
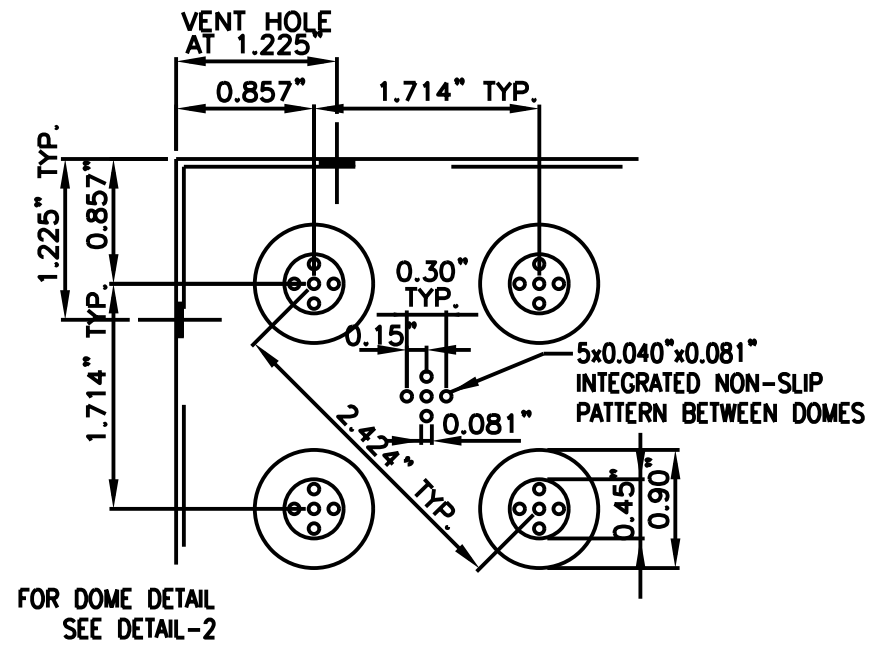


STANDARD DETAILS

ADA TRUNCATED DOMES

REV.
DATE: FEB 2013
ORIG. DATE: UNK
SCALE: N.T.S.

DETAIL NO.TR-B_SW010



THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta

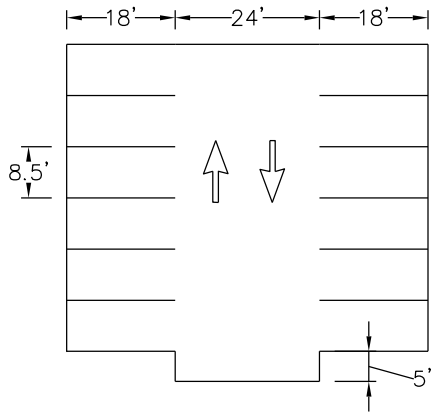


STANDARD DETAILS

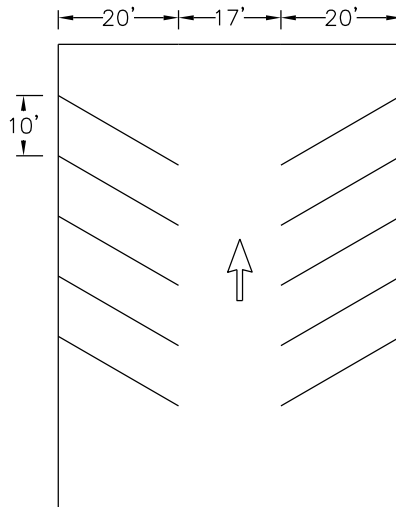
TRUNCATED DOME DETAIL

DATE: SEPT 2011
 ORIG. DATE: NOV 2004
 SCALE: N.T.S.

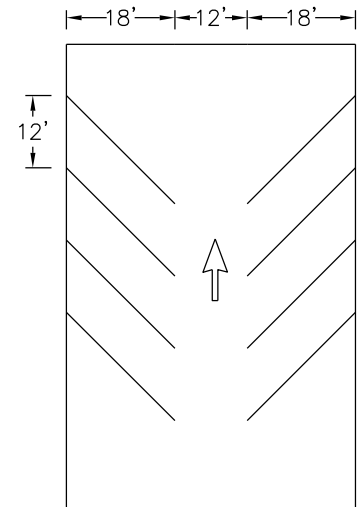
DETAIL NO. TR-B_SW010



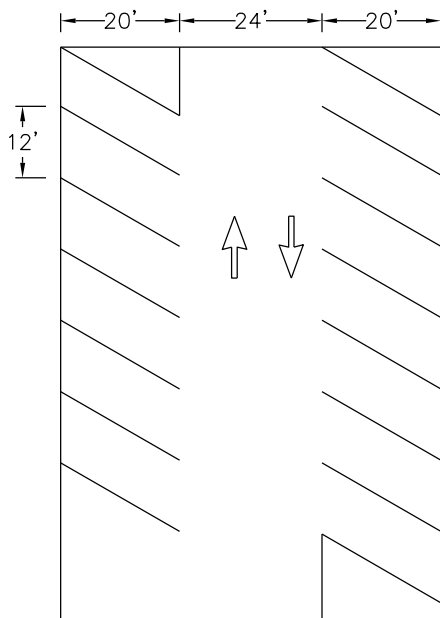
60'
90°



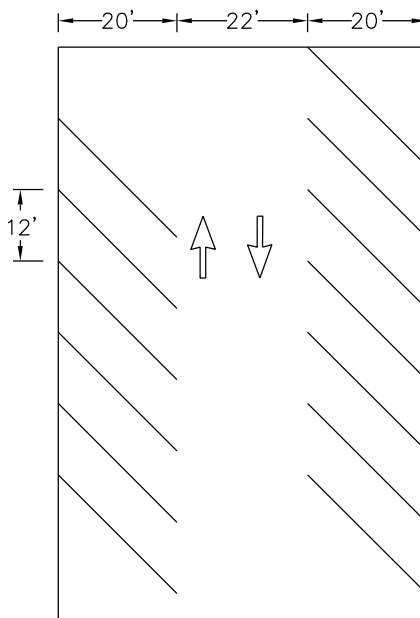
57'
60°



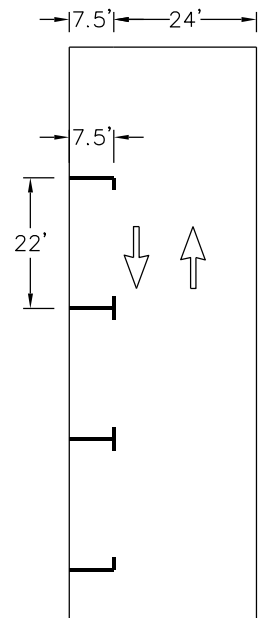
48'
45°



64'
60°



62'
45°



31.5'
PARALLEL

1. MINIMUM PARKING STALL WIDTHS ARE 8.5' FOR STANDARD VEHICLES & 8.0' FOR COMPACT VEHICLES
2. PARKING STALL LENGTHS ARE 18' FOR STANDARD VEHICLES AND 16' FOR COMPACT VEHICLES
3. COMPACT PARKING STALLS TOTAL SHALL NOT EXCEED 25% OF TOTAL PARKING

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City of Atlanta



STANDARD DETAILS

PARKING MODULE

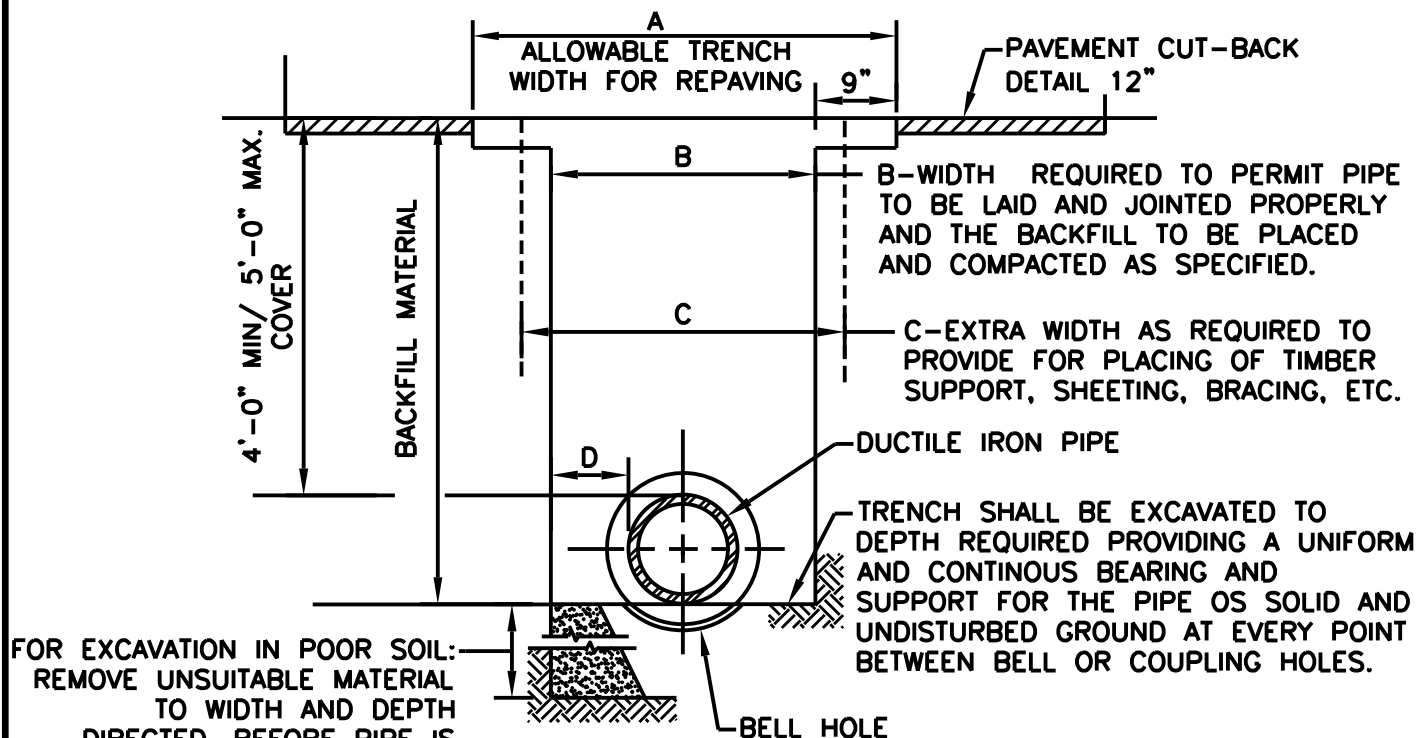
REV.

DATE: UNK

ORIG. DATE: FEB 2013

SCALE: N.T.S.

DETAIL NO. TR-G-PK001



PIPE SIZE (NOMINAL)	A (MAXIMUM) EARTH/ROCK	B (MAXIMUM) EARTH/ROCK	C	D MIN./MAX.
6"	3.50'/4.00'	2.00'/2.50'	AS REQ'D	9"/12"
8"	3.50'/4.00'	2.00'/2.50'	"	9"/12"
12"	4.00'/4.50'	2.50'/3.00'	"	9"/12"
16"	4.50'/5.00'	3.00'/3.50'	"	9"/12"
20"	4.50'/5.00'	3.00'/3.50'	"	9"/12"
24"	5.00'/5.50'	3.50'/4.00'	"	9"/12"
30"	5.50'/6.00'	4.00'/4.50'	"	9"/12"
36"	6.00'/6.50'	4.50'/5.00'	"	9"/12"
48"	7.00'/7.50'	5.50'/6.00'	"	9"/12"

NOTES:

1. COMPACTION: BACKFILLS SHALL BE BUILT UP IN LAYERS AND EACH LAYER SHALL BE THOROUGHLY COMPACTED BEFORE BEGINNING ANOTHER LAYER. LAYERS SHALL BE NO MORE THAN 12-INCHES IN DEPTH, PUDDLING WILL NOT BE PERMITTED, NOR WILL FROZEN OR WET MATERIAL BE PLACED IN TRENCHES.
2. COMPACTION STANDARDS: ALL BACKFILL MATERIALS USED SHALL CONTAIN A SUFFICIENT AMOUNT OF MOISTURE FOR PROPER COMPACTION, AND THESE MATERIALS SHALL BE COMPACTED AT NOT LESS THAN 98% OF THEIR OPTIMUM COMPACTION FOR ANY SPECIFIC SOIL CLASSIFICATION, AS DETERMINED BY THE STANDARD PROCTOR TEST, ASTM D698.
3. COMPACTION TEST: COMPACTION TEST WILL BE REQUIRED IN EXISTING OR PROPOSED STREETS, SIDEWALKS, DRIVES AND OTHER EXISTING OR PROPOSED PAVED AREAS AT VARYING DEPTHS AND AT INTERVALS AS DETERMINED BY THE ENGINEER WITH A MINIMUM OF ONE TEST ON EACH JOB, AND A MAXIMUM OF ONE REQUIRED TEST FOR 400 FEET OR LESS OF WATER MAIN CONSTRUCTION, UNLESS SOIL CONDITIONS OR CONSTRUCTION PRACTICES, IN THE OPINION OF THE ENGINEER, WARRANT THE NEED FOR ADDITIONAL TESTS.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta



STANDARD DETAILS

TYPICAL WATERLINE TRENCH SECTION

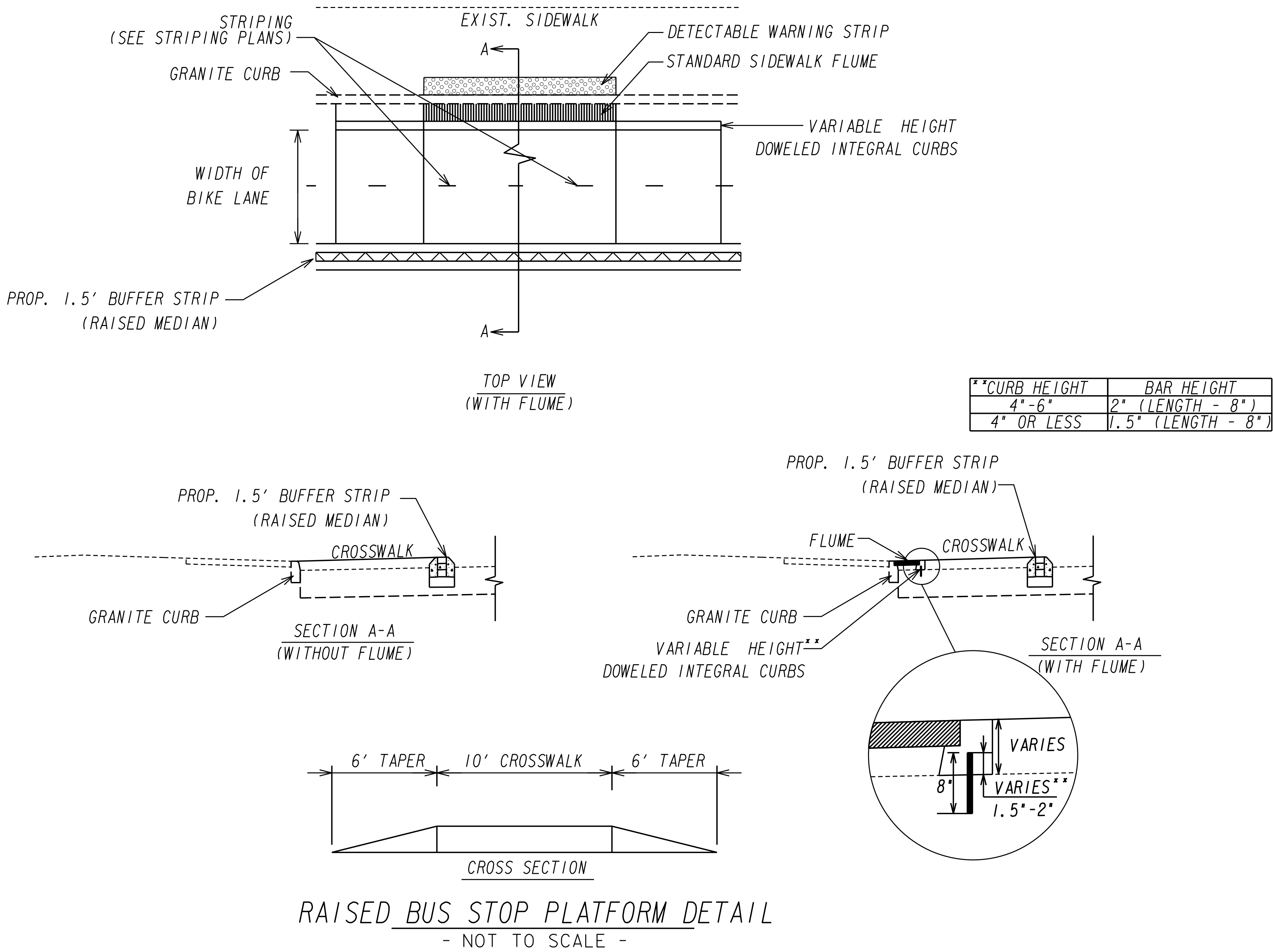
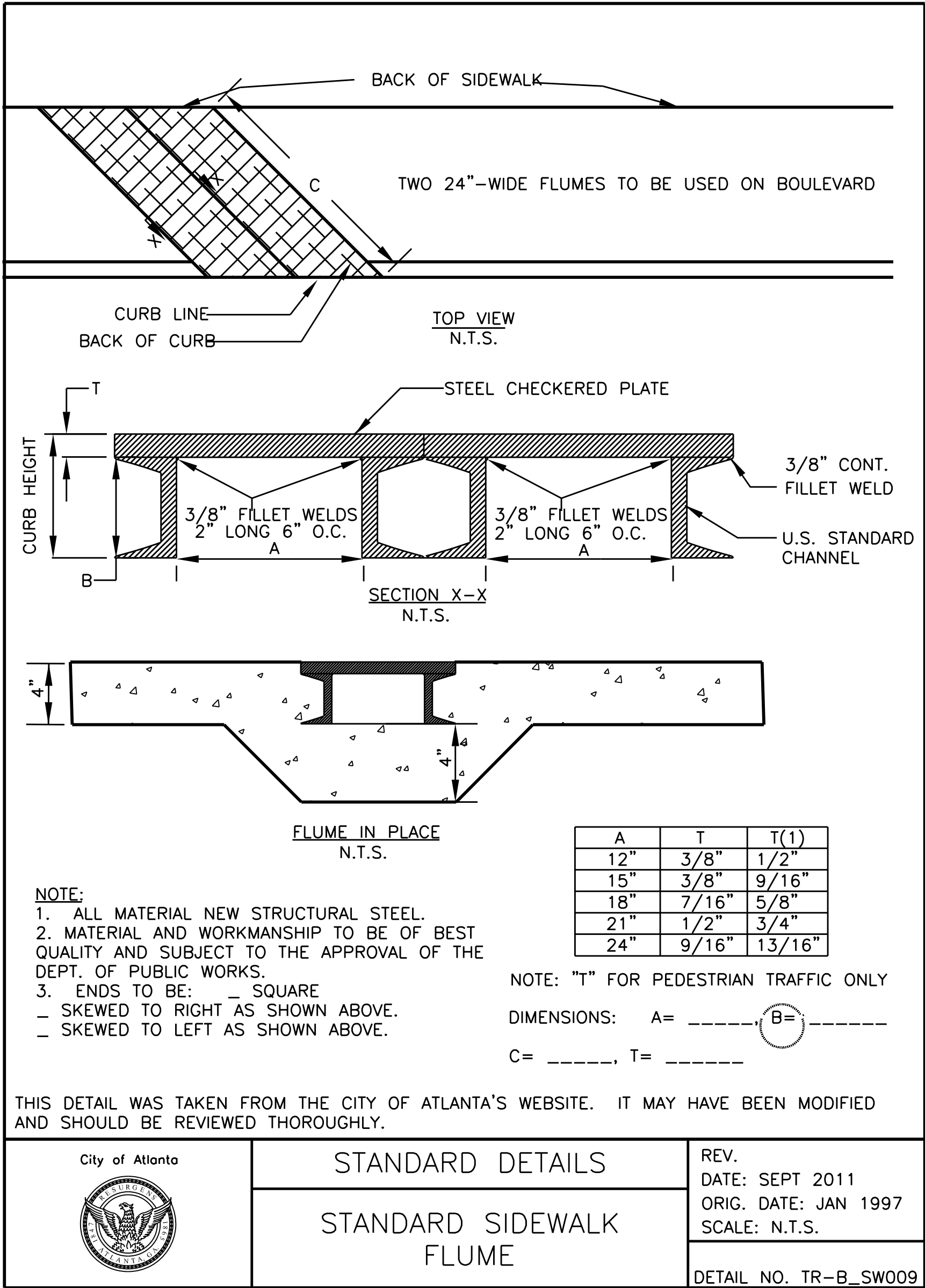
REV.

DATE: OCT. 2011

ORIG. DATE: OCT. 2004

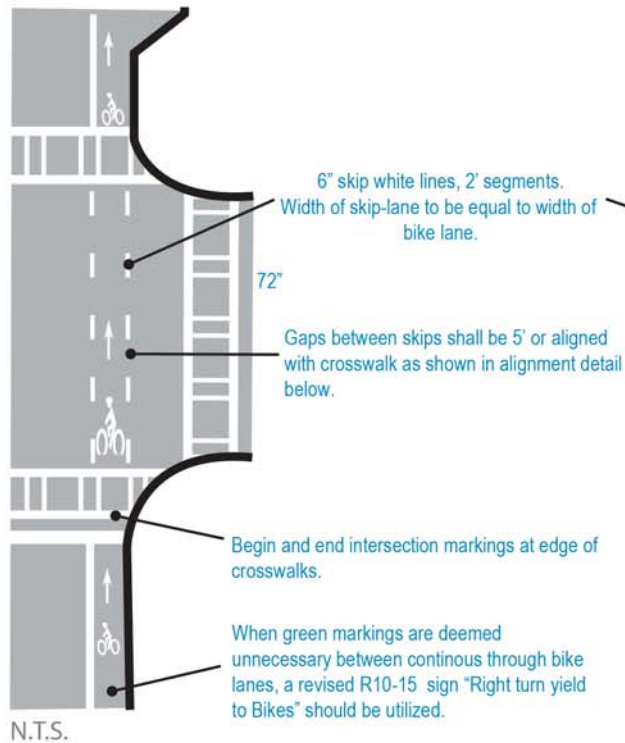
SCALE: N.T.S.

DETAIL NO. WR-G_TR001



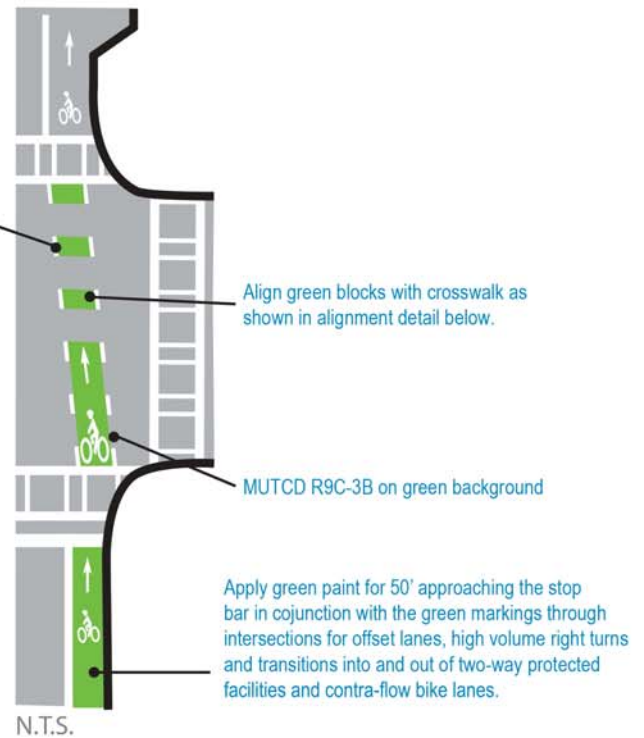
Typical Signalized Intersection

Use where bike lanes of any type cross a signalized intersection.



High Visibility Intersection

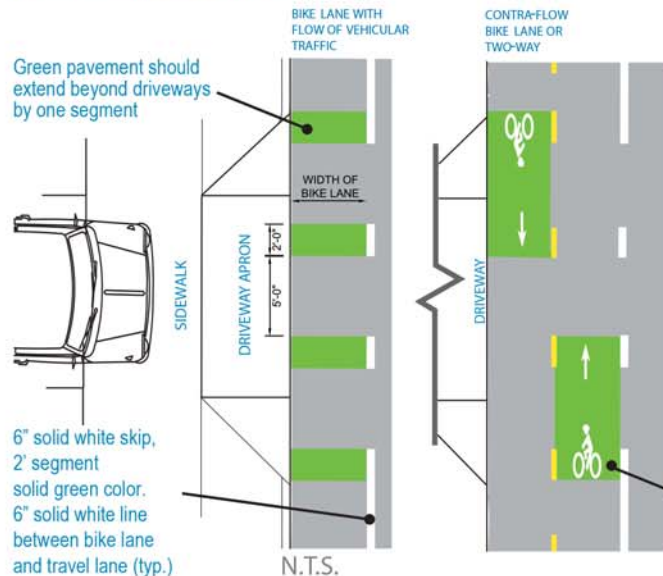
Use high visibility markings through intersections with 1) offset lanes, 2) high volume right turn movement, 3) transition between a two-way protected cycle track or contra-flow bike lane.



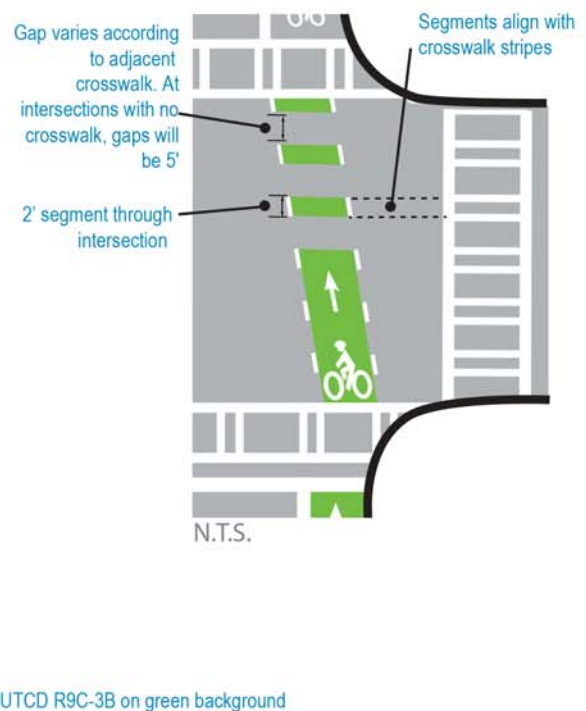
Driveway Crossings

"Dashed" green markings shall be installed in bike lanes and protected facilities across major driveways and/or where a driveway is used to access a parking deck or a significant number of surface parking spaces. In locations where bike travel is counter to the flow of vehicles (e.g. two way cycle tracks or contra-flow bike lanes), solid green fill with directional chevron markers should be used in lieu of dashed green fill.

TREATMENTS AT MAJOR DRIVEWAYS TO PARKING GARAGES AND LOTS:

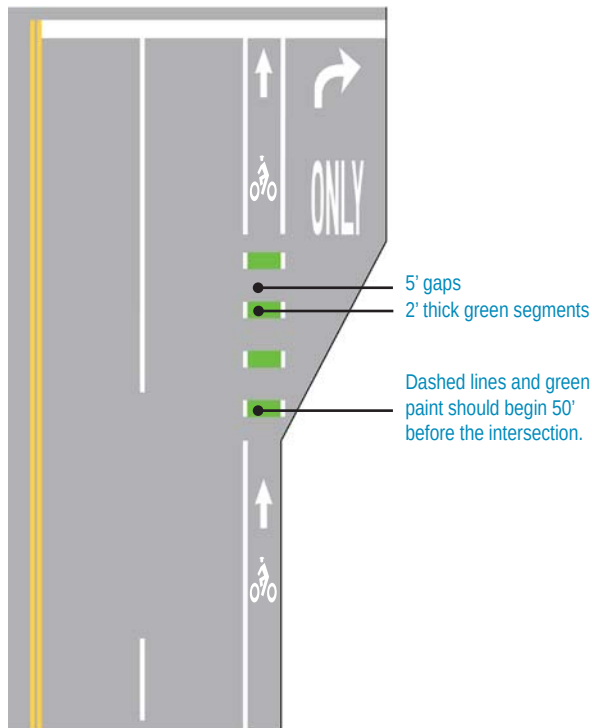


Bike Lane Crosswalk Alignment Detail



Bicycle Lane Adjacent To Turn Lane

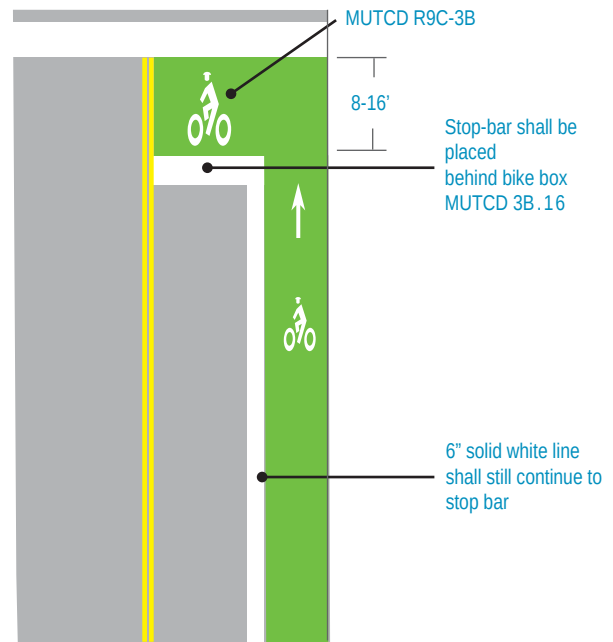
Preferred use where Right of Way width will allow separate facilities.



N.T.S.

Bike Boxes

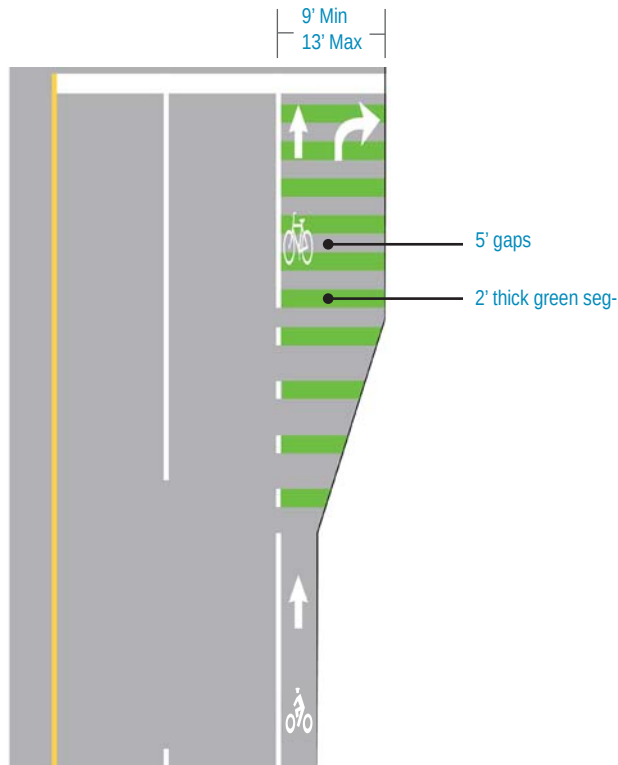
Green paint should be utilized to create bike boxes at signalized intersections where a cyclist can turn left onto other bicycle facilities.



N.T.S.

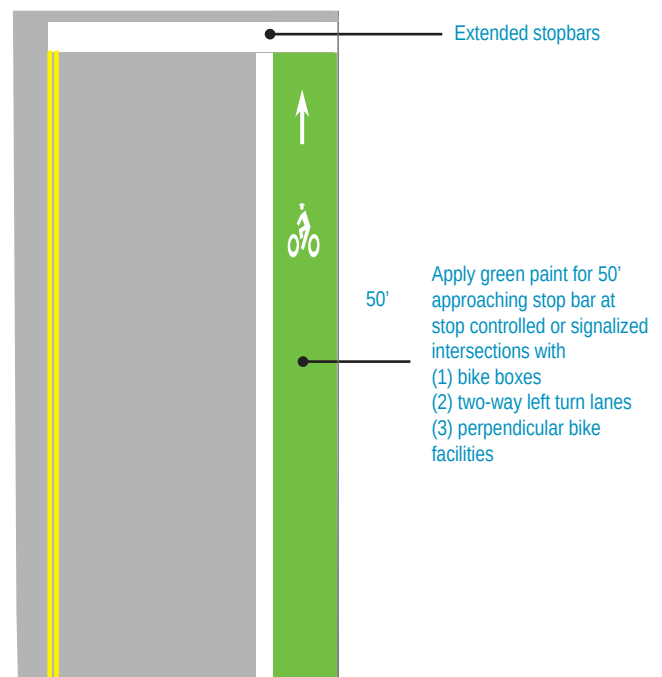
Shared Bike Lane/ Right Turn Lane

Use only where Right of Way width will not allow for separate facilities.



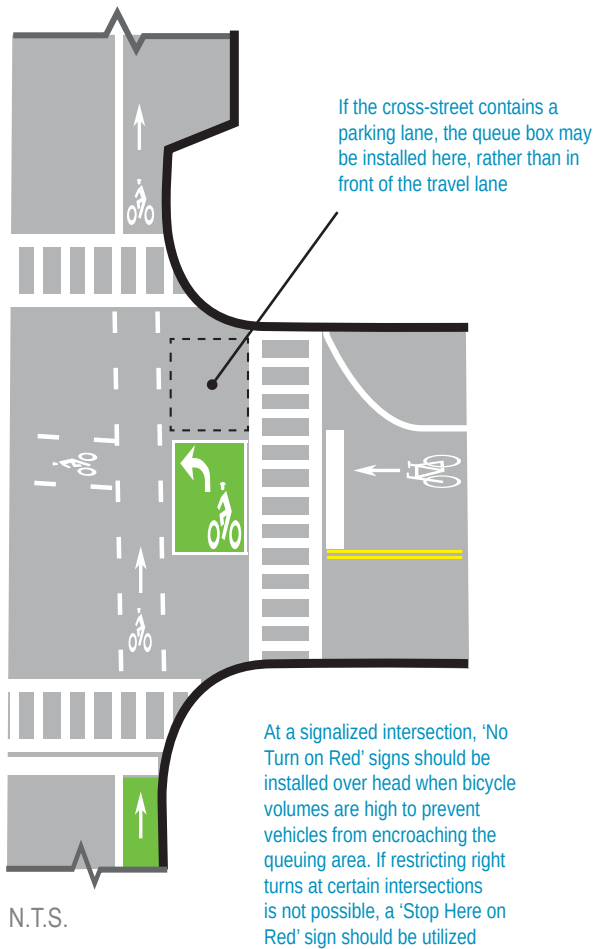
N.T.S.

Signalized Intersection Approaches



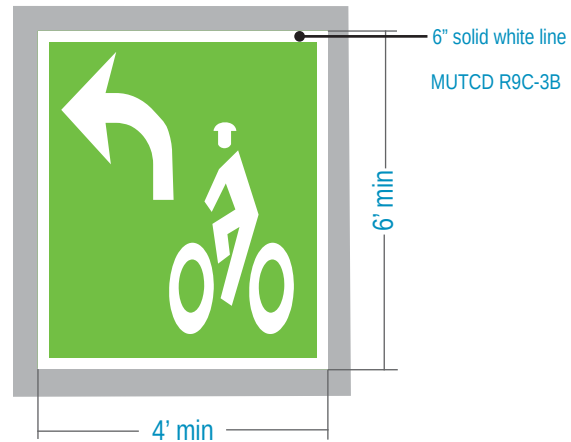
N.T.S.

Two-Stage Left Turn Queue Boxes

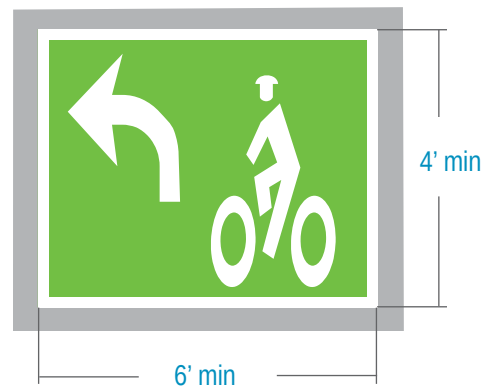


Typical Bike Queue Box Details

Turn arrow and bike stencil shall indicate proper bicycle direction and positioning



OR



When a thermoplastic marking is located within colored pavement, the contractor should affix the marking to pavement before applying MMA or other approved material specified in the design documents. Once markings are settled, it should be protected to prevent from potential paint stains.

NOTES FOR CONSTRUCTION DOCUMENTS:

General Notes:

- Contractor to install Color-Safe Color Pavement Marking and Anti-Skid Surfacing for bicycle facilities as noted in plans. Color to be approved by owner prior to construction activities and ordering of materials.

Plan Notes:

- Install [Left Turn Queue/Bike Box/Driveway Crossing, etc.] using green Color-Safe Color Pavement Marking and Anti-Skid Surfacing.

Color: c:71.4% m:15.41% y:100% k:1.83%

Or comparable color

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

GENERAL NOTES :

1. ALL TRAFFIC CONTROL DEVICES SHALL BE MADE AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS; THE MUTCD; THE GEORGIA STANDARD SPECIFICATIONS, AND/OR SPECIAL PROVISIONS. (SEE SECTION 150)
2. ALL TRAFFIC CONTROL DEVICES SHALL BE AS SHOWN, OR AS DIRECTED BY THE ENGINEER. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
3. ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF 1 FOOT ABOVE THE LEVEL OF PAVEMENT EDGE FOR DIRECTIONAL TRAFFIC OF TWO (2) LANES OR LESS AND A MINIMUM OF 7 FEET FOR DIRECTIONAL OF THREE (3) OR MORE LANES. ALL PORTABLE SIGNS AND SIGN MOUNTING DEVICES UTILIZED IN THE WORK SHALL BE NCHRP 350 COMPLIANT. PORTABLE SIGNS MAY BE USED WHEN THE DURATION OF THE WORK IS LESS THAN 3 DAYS.
4. WHEN THE CONSTRUCTION AREA HAS ENTRANCE/EXIT RAMP OR INTERSECTIONS, WORK WILL BE PERFORMED IN SUCH A MANNER TO PERMIT TRAFFIC TO OPERATE WITH THE LEAST AMOUNT OF INCONVENIENCE AS POSSIBLE. ADDITIONAL CHANNELIZATION AND SIGNING SHALL BE INSTALLED, AS REQUIRED, TO ALLOW TRAFFIC TO REMAIN AS OPERATIONAL AS POSSIBLE. WHEN ENTRANCE RAMP/INTERSECTIONS ARE INOPERABLE, FLAGGERS WILL BE UTILIZED TO CONTROL AND PROHIBIT MOVEMENT INTO THE PROJECT AT THAT POINT UNTIL CONSTRUCTION HAS CLEARED THE RESTRICTION SUFFICIENT TO RETURN TO OPERATIONAL STATUS.
5. FOR NIGHT TIME OPERATIONS, DRUMS SHALL HAVE, FOR THE LENGTH OF THE TAPER ONLY, A SIX (6") INCH ORANGE REFLECTIZED TOP STRIPE ON EACH DRUM IN THE TAPER AS REQUIRED IN SECTION 150. SPACING OF DEVICES SHALL BE AS SHOWN. DURING DAYLIGHT HOURS, CONES (28" MIN.) MAY BE USED IN ADVANCE OF AND THROUGHOUT WORK AREA.
6. SIGN LOCATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS BUT MUST BE WITHIN THE LIMITATIONS SET FORTH IN THE MUTCD.
7. A PORTABLE SELF-SUSTAINED SEQUENTIAL OR FLASHING ARROW SIGN SHALL BE USED AT THE BEGINNING OF EACH LANE CLOSURE ON MULTI-LANE HIGHWAYS. ARROW PANELS SHALL NOT BE USED ON TWO-LANE TWO-WAY HIGHWAYS EXCEPT IN CAUTION MODE.
8. WHEN NOT IN USE, PORTABLE SIGNS SHALL BE REMOVED FROM THE TRAVELWAY SO THAT THE MESSAGE IS NOT VISIBLE TO THE MOTORIST. INTERIM SIGNS THAT ARE PERMANENTLY MOUNTED SHALL BE COVERED WHEN NOT APPLICABLE. SEE SECTION 150.
9. PROJECT SIGNS W20-1, G20-1 & G20-2 FOR THIS PROJECT SHALL BE COORDINATED WITH ADJACENT CONSTRUCTION PROJECTS. ONLY ONE SET OF SIGNS IS REQUIRED IN EACH DIRECTION FOR THE TOTAL LENGTH OF ALL PROJECTS- AT THE BEGINNING OF THE FIRST PROJECT AND AT THE ENDING OF THE LAST PROJECT. ADVANCE CONSTRUCTION SIGNS ARE NOT REQUIRED ON INTERMEDIATE PROJECTS, UNLESS CONSTRUCTION ON THE ADJACENT PROJECTS IS COMPLETED BEFOREHAND, THEN PROJECT CONSTRUCTION SIGNS WILL BE ADDED AS NECESSARY.
10. ALL THE COST OF THE MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID FOR TRAFFIC CONTROL SECTION 150, LUMP SUM, WHEN SHOWN AS A PAYMENT ITEM IN THE PROPOSAL. OTHERWISE, ALL THE COST WILL BE INCLUDED IN THE OVER-ALL BID SUBMITTED, EXCEPT ON CERTAIN PROJECTS SOME ITEMS MAY BE PAID FOR SEPARATELY BY THE UNIT WHEN SPECIFIED ON THE PLANS AND IN THE PROPOSAL.
11. FOR FREEWAY CONSTRUCTION THE CONTRACTOR SHALL ARRANGE HIS WORK SO THAT THERE IS AN EXIT GORE SIGN AND AN EXIT DIRECTION SIGN IN PLACE FOR ALL EXIT RAMP AT ALL TIMES.
12. ALL CROSSROADS, SIDEROADS, RAMP OR OTHER ENTRANCES TO MAINLINE CONSTRUCTION SHALL REQUIRE W20-1 SIGNS LOCATED AS SHOWN IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
13. MARKINGS AND/OR SIGNS IN CONFLICT WITH INTERIM TRAFFIC CONTROL SHALL BE REMOVED, RELOCATED OR COVERED; APPLICABLE EXISTING AND INTERIM MARKINGS AND/OR SIGNING SHALL BE MAINTAINED PER SECTION 150.
14. ANY CHANNELIZING DEVICES (DRUMS OR BARRICADES) IN CONFLICT WITH CONCRETE BARRIERS SHALL BE OMITTED.
15. CONTRACTOR SHALL PROVIDE THE NECESSARY TRAFFIC CONTROL DURING THE TIE-IN OPERATION.
16. THE TRAFFIC CONTROL DEVICES SHOWN FOR ANY STAGE CONSTRUCTION SHALL REMAIN IN PLACE AND BE UTILIZED SO LONG AS NECESSARY FOR THE FOLLOWING STAGES AND SHALL BE REMOVED IMMEDIATELY WHEN NO LONGER REQUIRED. THE DEVICES MAY OR MAY NOT BE SHOWN ON THE PLANS FOR THESE FOLLOWING STAGES, REFER TO THE PLAN SHEET FOR THE INITIAL STAGE FOR THESE TRAFFIC CONTROLS.
17. EXISTING GUIDE SIGNS SHALL REMAIN IN PLACE SO LONG AS THEY DO NOT CONFLICT WITH THE CONSTRUCTION OF THIS PROJECT. WHEN IN CONFLICT, THEY SHALL BE RELOCATED ON TEMPORARY POSTS AT THE LOCATION AS DIRECTED BY THE ENGINEER. ANY DISTANCE SHOWN ON THE SIGN SHALL BE ADJUSTED ACCORDINGLY. IF THE SIGNS CANNOT BE RELOCATED, THEN THE SIGN SHALL BE REMOVED AND STORED AT A PLACE DESIGNATED BY THE ENGINEER. IF NEITHER OF THE ABOVE CAN BE DONE, THEN THE CONTRACTOR SHALL PROVIDE INTERIM GUIDE SIGNS AS COVERED IN SECTION 150.
18. (a) ON PROJECTS WITH LOW OR SOFT SHOULDERS, THE CONTRACTOR SHALL ERECT IMMEDIATELY AHEAD OF CONSTRUCTION OPERATIONS "LOW/SOFT SHOULDER" WARNING SIGNS AT THE PROJECT TERMINII, AT INTERVALS NOT TO EXCEED 1 MILE AND IMMEDIATELY PAST EACH CROSSROAD.

(b) WHERE THE CONTRACTOR IS NOT RESPONSIBLE FOR SHOULDER CONSTRUCTION, THE DEPARTMENT WILL FURNISH THESE SIGNS FOR THE CONTRACTOR TO PICK UP, TRANSPORT, AND ERECT. THE DEPARTMENT WILL LATER REMOVE AND RETAIN THE SIGNS.

STANDARD LEGEND

- STRIPED DRUM
- ▨

TYPE III BARRICADES
- ×

SPECIAL BARRICADE WITH BI-DIRECTIONAL, TYPE "C" STEADY BURNING LIGHT OR HIGHWAY SIGN AS SPECIFIED (SEE DETAIL)
- ⋯

SEQUENTIAL OR FLASHING ARROW
- |—

PORTABLE CHANGEABLE MESSAGE SIGN
- |

PERMANENT TYPE POST MOUNTED SIGN
- ⊕

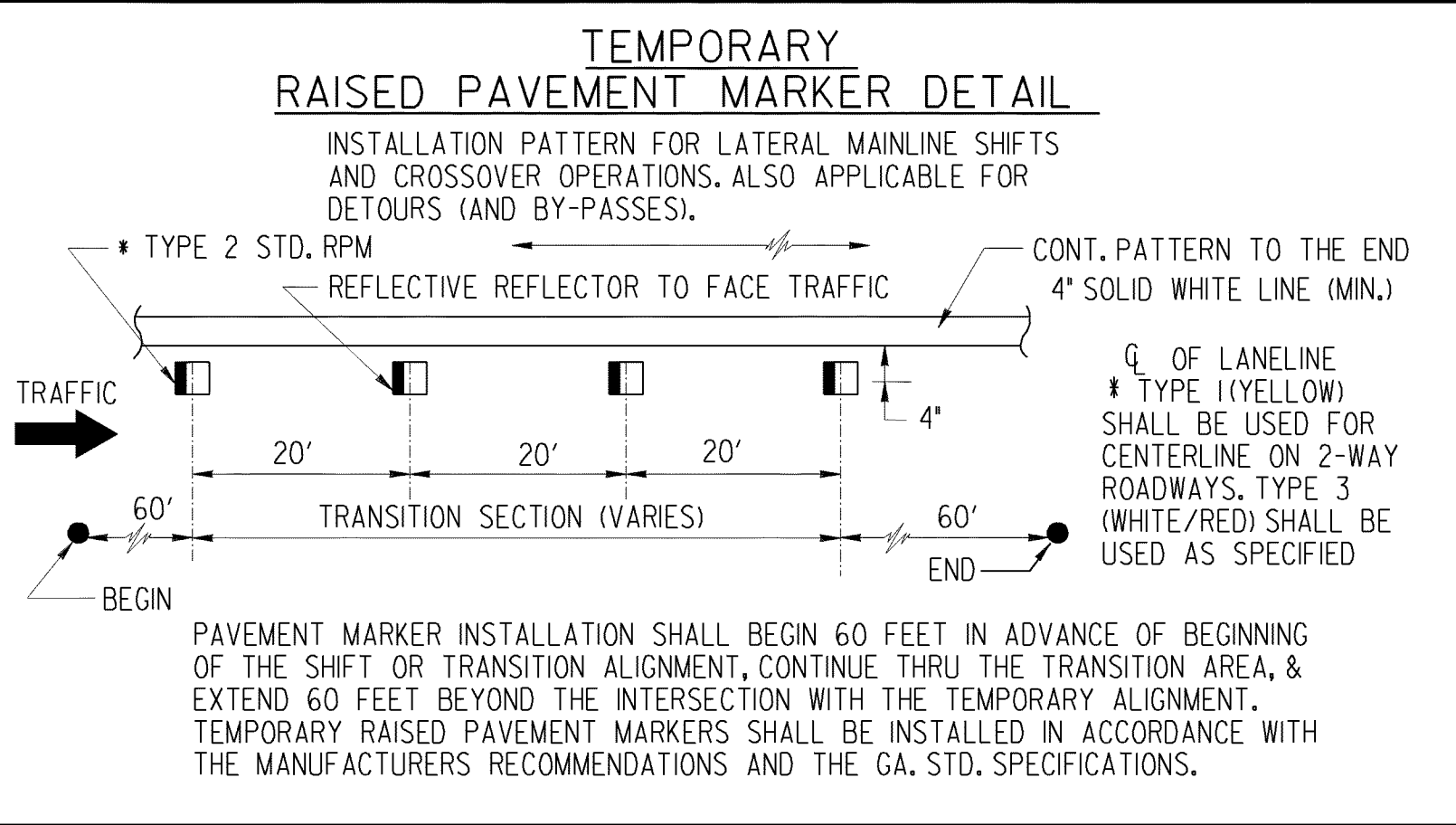
TEMPORARY POST MOUNTED SIGN
- Ⓚ

PORTABLE MOUNTED SIGN - FLAGS NOT REQUIRED
- ▨

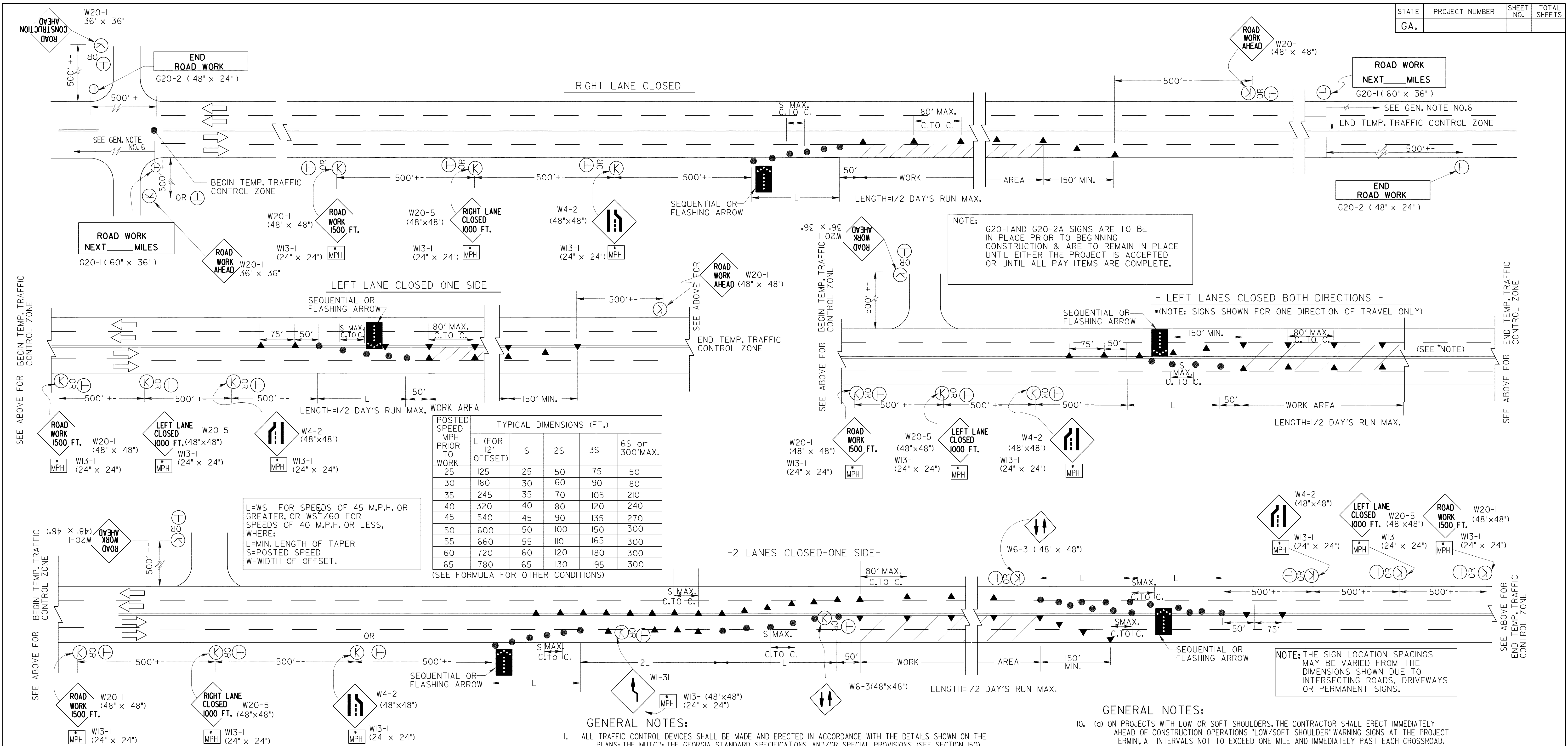
WORK AREA
- ▲

TRAFFIC CONE - 28" MIN. - (DAYTIME USE ONLY)
- FLAGGER WITH STOP-SLOW PADDLE
- ⊞

TRAFFIC IMPACT ATTENUATOR (CRASH CUSHION)
- TYPE I CLEAR (WHITE) DELINEATOR - SINGLE FACE
- TYPE I YELLOW DELINEATOR - SINGLE FACE
- TYPE I CLEAR (WHITE) DELINEATOR DOUBLE FACE
- TYPE I YELLOW DELINEATOR DOUBLE FACE

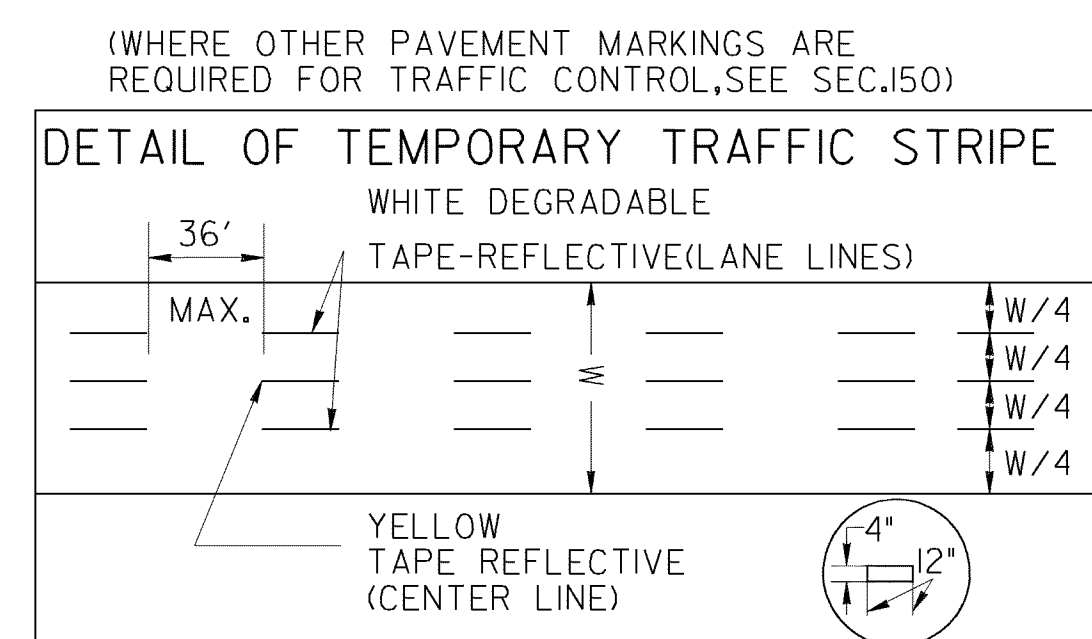


3-30-06		4-24-01		DATE		DEPARTMENT OF TRANSPORTATION	
REVISED GENERAL NOTES AND LEGEND, DELETED TWO DETAILS.		SPEC. BAR. SH. SPEC.		REVISION		STATE OF GEORGIA	
GLO		BY		DES. (SUBMITTED) <i>[Signature]</i>		NUMBER	
				DRW. (APPROVED) <i>[Signature]</i>		9100	
				TRA. (APPROVED) <i>[Signature]</i>			
				CHK. (APPROVED) <i>[Signature]</i>			
						NO SCALE	
						AUG., 1999	



* WHEN TEMPORARY OPERATING SPEEDS ARE LESS THAN THE POSTED SPEED LIMIT, THE ADVISORY SPEED PLATES (W13-1) SHALL BE USED IN 10 M.P.H. INCREMENTS, UNTIL THE SPEED IS REDUCED TO THE TEMPORARY OPERATING SPEED.

- STRIPED DRUM
- ⊖ TEMPORARY POST MOUNTED SIGN (OFF SHOULDER) --FOR LONG TERM LANE CLOSURE SUCH AS STATIONARY OPERATIONS, BRIDGE WIDENING PROJECTS ETC. - (7' MOUNT HEIGHT)
- Ⓚ PORTABLE MOUNTED SIGN (ON SHOULDER) --FOR SHORT TERM LANE CLOSURE SUCH AS MOVING OPERATIONS, RESURFACING PROJECTS, ETC. (SEE GENERAL NOTE, NO. 3)
- ▲ TRAFFIC CONE - 28" MIN. (DAYTIME USE ONLY)
- SEQUENTIAL OR FLASHING ARROW
- ▨ WORK AREA

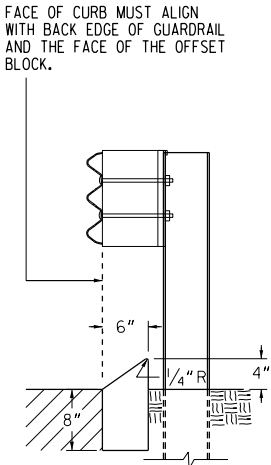


- GENERAL NOTES:

10. (a) ON PROJECTS WITH LOW OR SOFT SHOULDERS, THE CONTRACTOR SHALL ERECT IMMEDIATELY AHEAD OF CONSTRUCTION OPERATIONS "LOW/SOFT SHOULDER" WARNING SIGNS AT THE PROJECT TERMINI, AT INTERVALS NOT TO EXCEED ONE MILE AND IMMEDIATELY PAST EACH CROSSROAD.
- (b) WHERE THE CONTRACTOR IS NOT RESPONSIBLE FOR SHOULDER CONSTRUCTION, THE DEPARTMENT WILL FURNISH THESE SIGNS FOR THE CONTRACTOR TO PICK-UP, TRANSPORT AND ERECT, THE DEPARTMENT WILL LATER REMOVE AND RETAIN THE SIGNS.
11. HIGHWAY WORK ZONE SIGNS (HWZ-2 AND HWZ-3) SHALL BE INSTALLED ON THE TRAVEL WAY AND THE INTERSECTING ROADWAY AS REQUIRED IN SECTION 150.
12. THE G20-SIGNS SHOULD BE PLACED AT EACH TERMINUS OF THE PROJECT, PREFERABLY BETWEEN THE LAST ADVANCE WARNING SIGN(ROAD WORK - 500 FT.) AND BEFORE THE ADVANCE WARNING SIGNS FOR LANE SHIFTS, LANE CLOSURES, ETC.

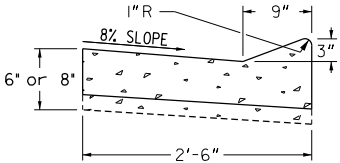
3-30-06			DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REMOVED FLAGS AND REV. GENERAL NOTES, REV. SIGN G20-2A TO G20-2.		REVISION	STANDARD TRAFFIC CONTROL DETAIL FOR LANE CLOSURE ON MULTI-LANE UNDIVIDED HIGHWAY		
			NO SCALE		REV. & REDR. JULY, 1999
GLD	BY	DES. _____ DRW. _____ TRA. _____ CHK. _____	(SUBMITTED) <i>[Signature]</i> STATE ROAD & AIRPORT DESIGN ENGINEER (APPROVED) <i>[Signature]</i> CHIEF ENGINEER	NUMBER 9107	

RAISED EDGE WITH CONCRETE GUTTER



TYPE 8

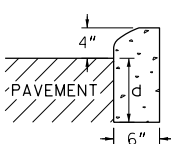
TYPE 8 HEADER CURB IS USED IN CONJUNCTION WITH GUARDRAIL CONNECTIONS TO CONCRETE BARRIER AS NOTED ON GA. STD. 4382.



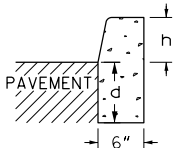
RAISED EDGE TO BE CONSTRUCTED WITH SAME CONCRETE MIX AS THE GUTTER AND SHALL BE FORMED MONOLITHIC WITH GUTTER. JOINTS IN RAISED EDGE SHALL MATCH THOSE IN THE GUTTER.

CURB TYPE	h	d
1	4"	6" min.
2	6"	8" min.
3	8"	10" min.
4	10"	12" min.
6	6"	7" min.
7	6"	8" min.
9	4"	8" min.

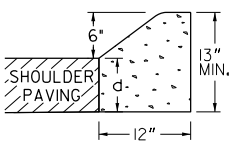
THE DIMENSION d MAY BE INCREASED AT CONTRACTOR'S OPTION SO BOTTOM OF HEADER CURB WILL ALIGN WITH BOTTOM OF PAVEMENT TYPICAL SECTION.



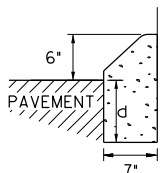
TYPE 1



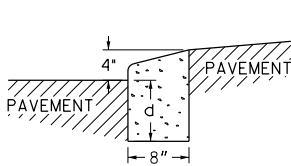
TYPE 2, 3 OR 4



TYPE 6



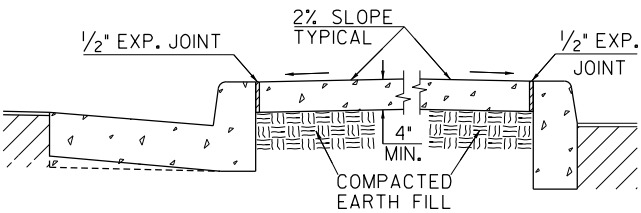
TYPE 7



TYPE 9
TRUCK APRON
IN ROUNDABOUTS

CONCRETE MEDIAN (Between Curbs)

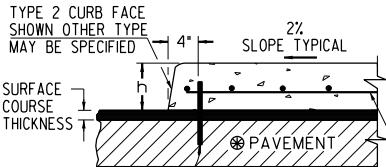
NOTE: CURB TYPES SHOWN ARE TYPICAL. OTHER TYPES MAY BE SPECIFIED.



NOTE: WIDTH OF CONCRETE MEDIAN WILL BE AS SHOWN IN PLANS

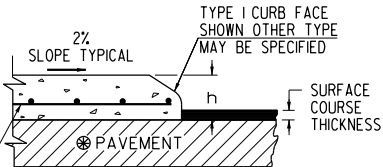
CONCRETE MEDIANS (Integral)

-WITH TIE BARS-



#4 TIE BARS AT 3 FT. C. TO C.

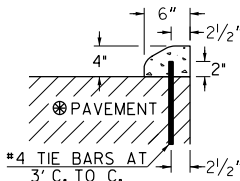
-WITHOUT TIE BARS-



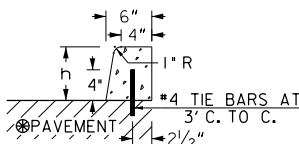
#3 BARS AT 12" C. TO C. BOTH WAYS OR 6 x 6-W2.9 x W2.9 WELDED WIRE FABRIC OR 4 x 4-W2.0 x W2.0 WELDED WIRE FABRIC

NOTE: IF FINAL SURFACE COURSE IS PRESENT OR MUST BE INSTALLED BEFORE THE CONCRETE MEDIAN CAN BE INSTALLED, THEN DOWELED IN CONCRETE MEDIAN IS REQUIRED.

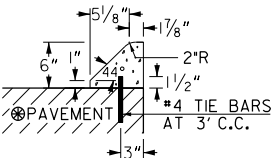
CONCRETE DOWELED INTEGRAL CURBS



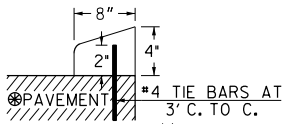
TYPE 1



TYPE 2, 3 OR 4



TYPE 7



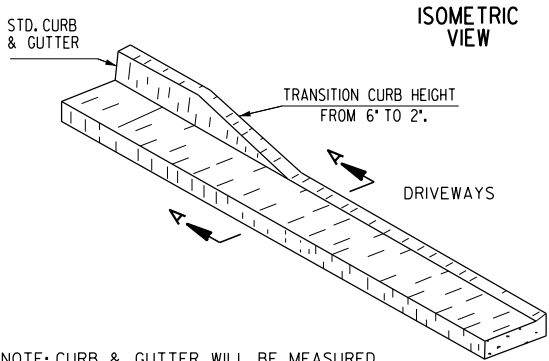
TYPE 9

- NOTES:
1. CONCRETE CURB CAN BE INSTALLED AFTER INTIAL SET AS LONG AS TIE BARS ARE DRILLED INTO UNDERLAYING CONCRETE PAVEMENT.
 2. CONCRETE CURB CAN BE INSTALLED BEFORE INITIAL SET WITH DOWELS THAT ARE DRIVEN INTO UNDERLYING CONCRETE PAVEMENT.
 3. JOINTS IN CURB AND CONCRETE MEDIAN WILL MATCH THOSE IN THE CONCRETE PAVEMENT.
 4. ALL TYPES OF CONCRETE CURB CAN BE PLACED ON ASPHALT PAVEMENTS WHERE TIE BARS MAY BE EITHER DRIVEN OR DRILLED INTO THE UNDERLYING PAVEMENT. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN CURB OR CONCRETE MEDIAN AT 20 FT. SPACING.

MINIMUM TIE BAR LENGTHS (FOR CONC. DOWELED CURBS OR CONC. MEDIAN)		
CURB TYPE	P.C. CONC. PAV.	ASPHALT PAV.
1	6"	8"
2, 3 or 4	8"	12"
7	6"	8"
9	6"	8"

NOTE: TIE BARS FOR DOWELED CURBS MAY BE UNCOATED PLAIN OR DEFORMED BILLET-STEEL BARS (GRADE 40) AS USED FOR CONCRETE REINFORCEMENT. (AASHTO M-31)

DETAILS OF RECESSED CURB FOR DRIVEWAYS



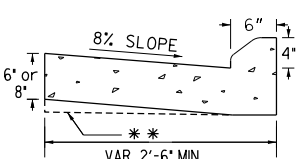
NOTE: CURB & GUTTER WILL BE MEASURED FOR PAYMENT THRU THE DRIVE



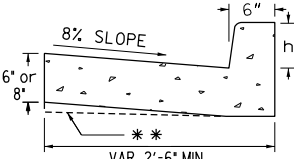
SECTIONAL VIEW
SECTION A-A

(SEE SEPARATE CONSTRUCTION DETAILS FOR DRIVEWAYS)

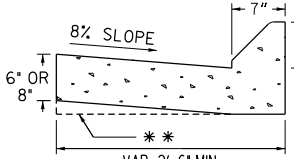
CONCRETE CURB & GUTTER



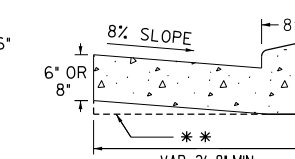
TYPE 1



TYPE 2, 3 OR 4



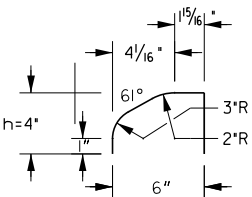
TYPE 7



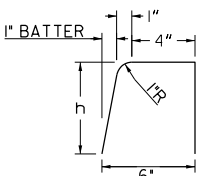
TYPE 9

** AT CONTRACTOR'S OPTION THE GUTTER THICKNESS MAY BE INCREASED AT EDGE OF PAVEMENT TO MAKE BOTTOM OF GUTTER PARALLEL WITH PAVING OF BASE COURSE, BUT THE GUTTER THICKNESS MUST NOT BE LESS THAN THE SPECIFIED 6" OR 8" AT ANY POINT.

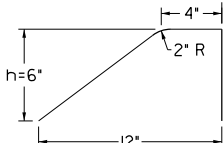
CURB FACE DESIGN



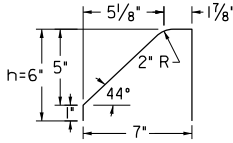
TYPE 1



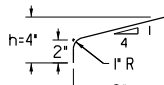
TYPE 2, 3 OR 4



TYPE 6



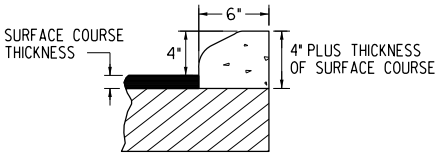
TYPE 7



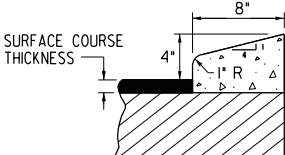
TYPE 9

TYPE	h
1	4"
2	6"
3	8"
4	10"
6	6"
7	6"
9	4"

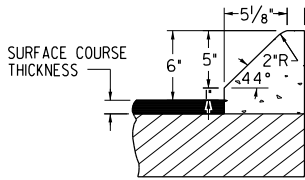
CONCRETE INTEGRAL CURB



TYPE 1



TYPE 9



TYPE 7

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CONCRETE CURB & GUTTER
CONCRETE CURBS, CONCRETE MEDIANS

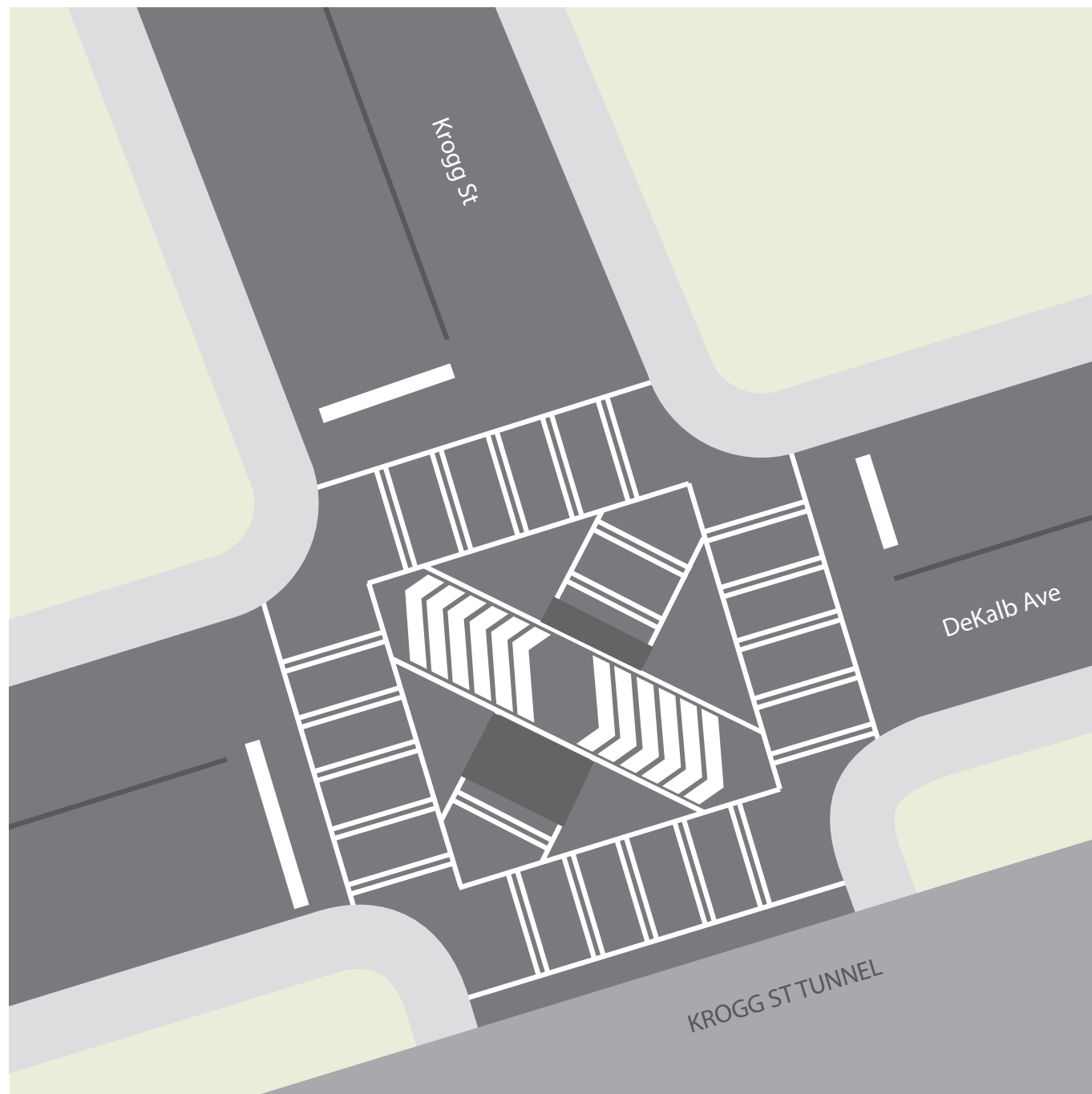
NOT TO SCALE

OCT. 2011

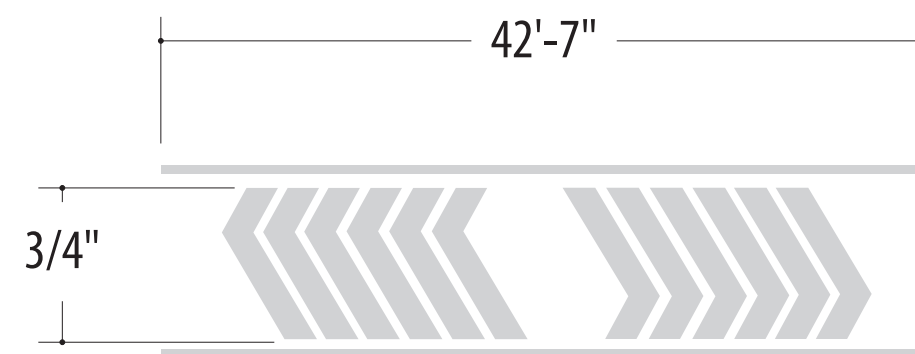
JAH	REV.	DATE	BY	CHK.
02-10-20	REV. TYP. 1 C.F.D., TYP. 8 OFFSET BLOCK & TYP. 9 C.D.I.C. ADDED TYP. 9 CURB & GUTTER	11-15-11	REV. TYP. 9 CURB DETAIL & REV. OVERALL LAYOUT	1-27-11
	REV. MEDIAN NOTE AND ADDED TYP. 9 CURB DETAIL	3-03	ADDED TYP. 9 DETAIL	

DES. _____ (SUBMITTED) _____
DRW. _____ STATE DESIGN POLICY ENGINEER
TRA. _____ (APPROVED) _____
CHK. _____ CHIEF ENGINEER

NUMBER
9032B



Crosswalk 2 : Krogg St & DeKalb Ave



Dimensions for estimating purpose only - Not for fabrication.
(Estimates based on Aerial Photos)