

Date: 7/12/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \000\Highway\001\_Title.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\_Highway\001\_Title.dgn

# CITY OF AUBURN

## MILL, MAIN AND BROAD STREETS

### ANDROSCOGGIN COUNTY

INTERSECTION AND CORRIDOR IMPROVEMENTS

**WIN 18651.00**

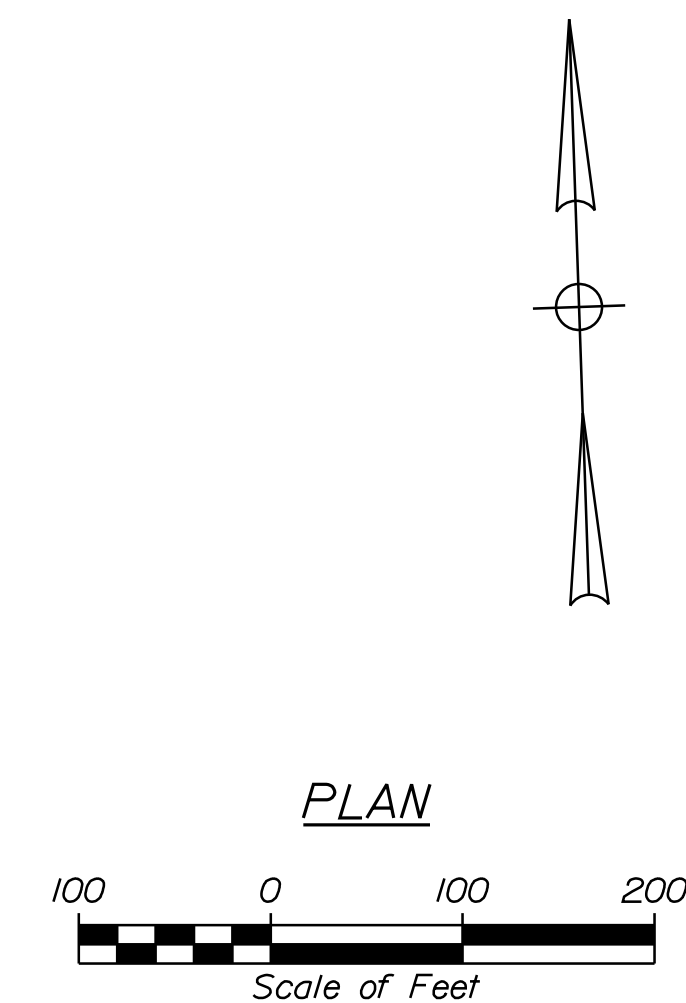
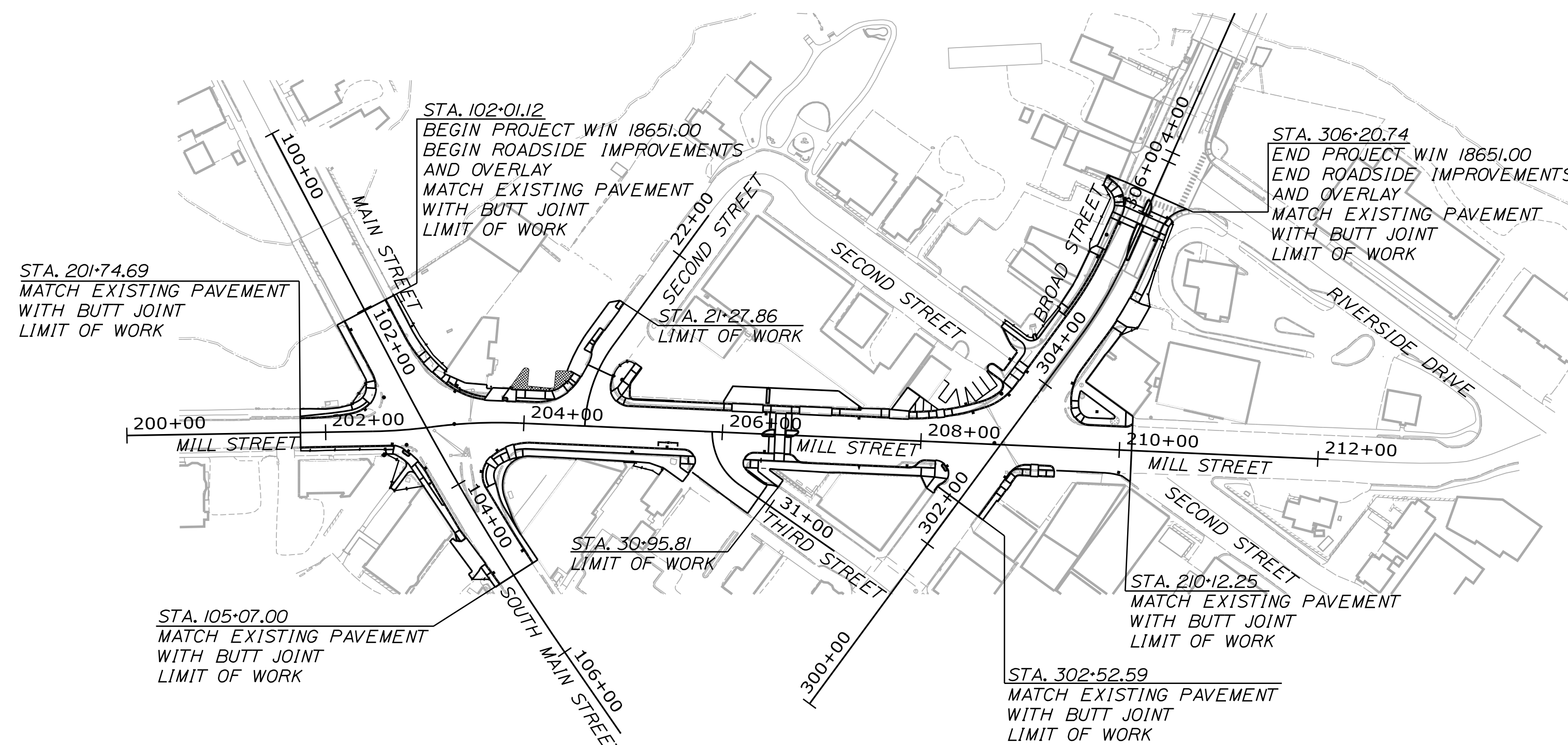
PROJECT LENGTH : 0.19 MILES

#### PLAN LEGEND

Town, County, State	_____	Catch Basins	Existing	Proposed
Property Lines	-----	Manholes	Existing	Proposed
R/W Lines-Existing	-----	Proposed Underdrain	-----	
R/W Lines-Proposed	-----	Proposed Ditch	-----	
Culvert-Existing	-----	Existing Ditch	-----	
Culvert Proposed	-----	Utility Poles	Existing	Proposed
Curbing	Existing Proposed	Fire Hydrants	Existing	Proposed
Type 1	-----	Existing Water Line	-----	
Type 3	-----	Existing San. Sewer	-----	
Type 5	-----	Existing San. Sewer Manhole	Existing	Proposed
Outline of Bodies of Water	-----	Guardrail-Existing	-----	
Exposed Bedrock	-----	Guardrail-Proposed	-----	
Buildings	-----	Guardrail-Cable, Other	-----	
Trees	Conifer Deciduous	Centerline-Existing	-----	
Tree Line	-----	Centerline-Proposed	-----	
Clearing Limit Line	-----	Travelway-Existing	-----	
Railroad	-----	Travelway-Proposed	-----	
Boring	HB-XXX-###	Probe	P-#.X	
Pavement Core	PC-#		#.# = Depth	
Test Pit	TP-XXX-###		X = W (Weathered Rock)	
			R (Refusal)	
			NR (No Refusal)	

#### INDEX OF SHEETS

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**PROJECT LOCATION:**

Mill, Main and Broad Streets in Auburn, from the intersection of Mill and Main Street to the intersection of Broad Street and Riverside Drive.

**PROGRAM AREA:**

Locally Administered Project, Multimodal Program

**SCOPE OF WORK:**

Intersection and corridor improvements including signal, signing, striping, curbing and sidewalk work.

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AUBURN  
MILL, MAIN AND BROAD STREETS  
TITLE SHEET

SHEET NUMBER

1

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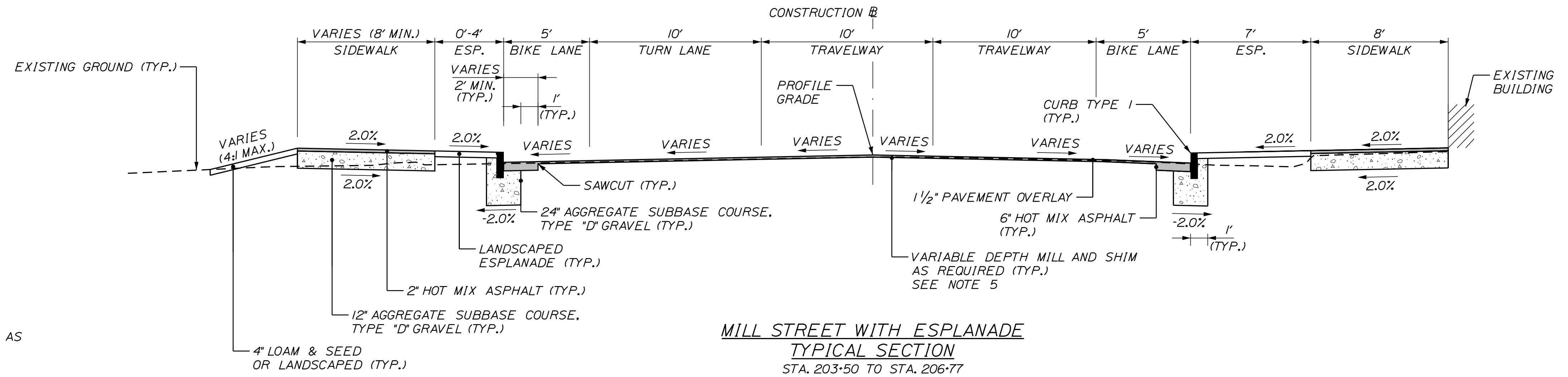
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P.E. NUMBER: 9244  
DATE: 07-12-2022

PROJECT INFORMATION	
PROGRAM	LAP - MILL MODAL
PROJECT MANAGER	B. KEIZER
DESIGNER	D. ETTINGER
CONSULTANT	GORRILL PALMER
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

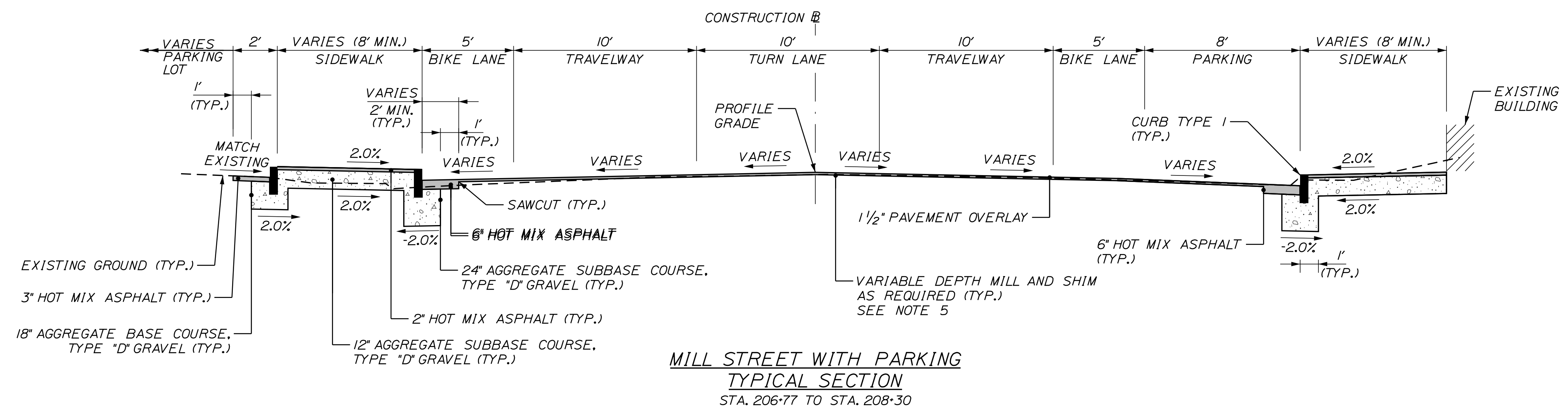


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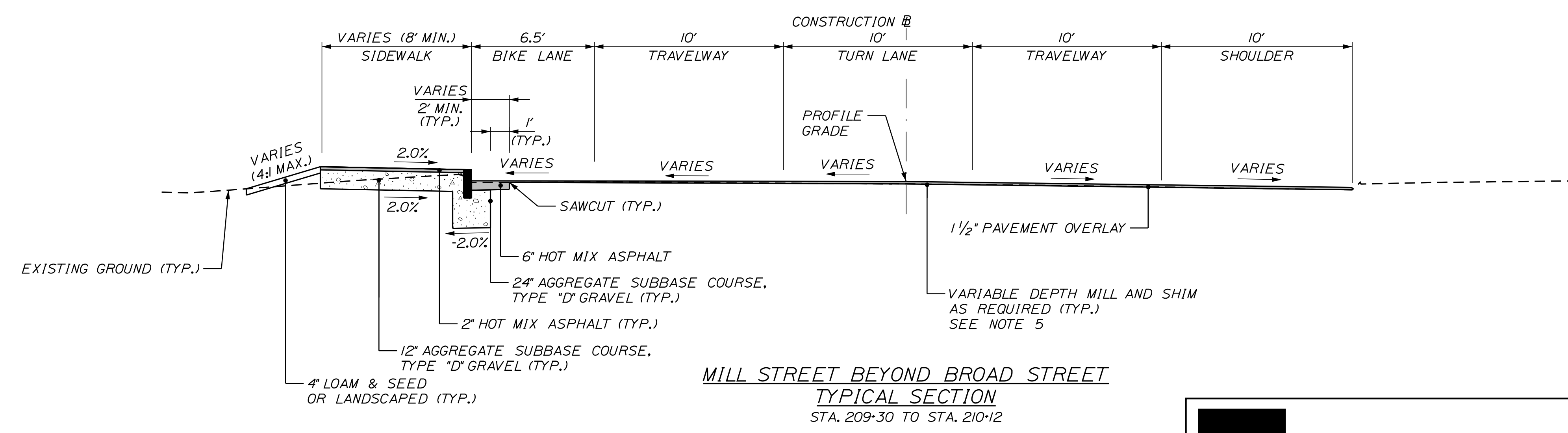
ESP. = ESPLANADE



MILL STREET WITH ESPLANADE  
TYPICAL SECTION  
STA. 203+50 TO STA. 206+77



MILL STREET WITH PARKING  
TYPICAL SECTION  
STA. 206+77 TO STA. 208+30



MILL STREET BEYOND BROAD STREET  
TYPICAL SECTION  
STA. 209+30 TO STA. 210+12

- NOTES:
1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
  2. THE STATIONING UNDER EACH TYPICAL SECTION IS APPROXIMATE.
  3. CROWNS FOR BOTH NORMAL AND SUPERELEVATED SECTIONS FOR ALL COURSES OF THE SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
  4. THE SHOULDER PAVEMENT THICKNESS SHALL BE THE SAME AS THE TRAVELWAY PAVEMENT THICKNESS FOR ALL ROADWAYS UNLESS OTHERWISE NOTED.
  5. PAVEMENT OVERLAY CROSS SLOPES SHALL BE 1.0% TO 4.0% IN THE TRAVELWAY AND 2.0% TO 6.0% IN THE SHOULDERS EXCEPT WITHIN EXISTING INTERSECTIONS. SHIM AND MILL AS REQUIRED TO ACHIEVE CROSS SLOPE.
  6. SAWCUT LOCATIONS SHALL BE 2' INSIDE PROPOSED CURB OR EDGE OF EXISTING PAVEMENT, WHICHEVER IS CLOSEST TO THE CONSTRUCTION BASELINE UNLESS OTHERWISE NOTED ON THE PLANS. COORDINATE WORK WITH RESIDENT.
  7. BID ALTERNATE 1 (BITUMINOUS SIDEWALK) SHOWN ON TYPICAL SECTIONS. SEE SPECIAL DETAILS FOR BID ALTERNATE INFORMATION.

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AUBURN, MAINE 04210

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AUBURN  
MILL, MAIN AND BROAD STREETS  
TYPICAL SECTIONS

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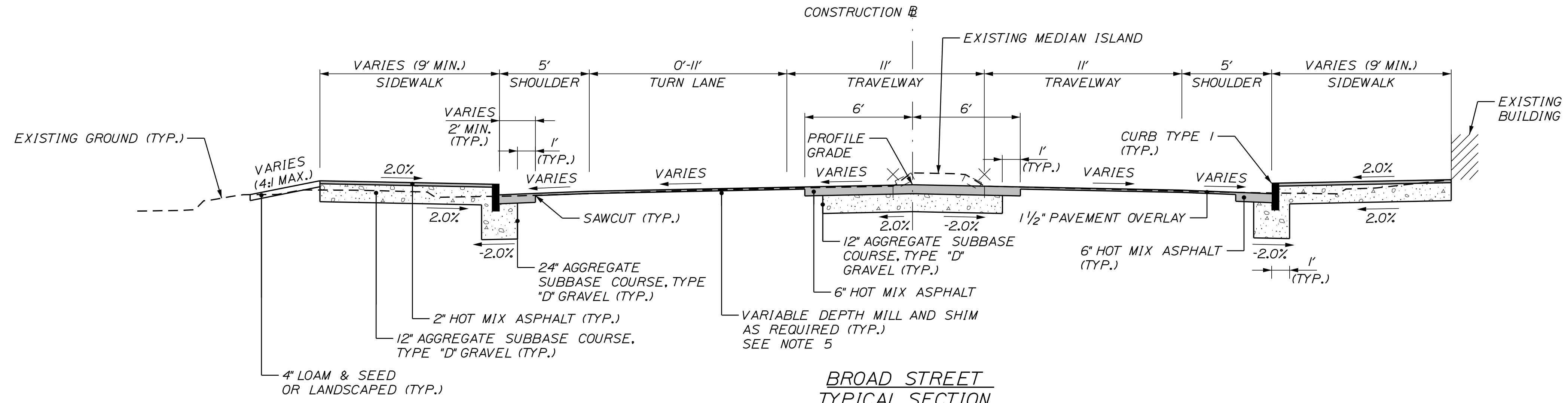
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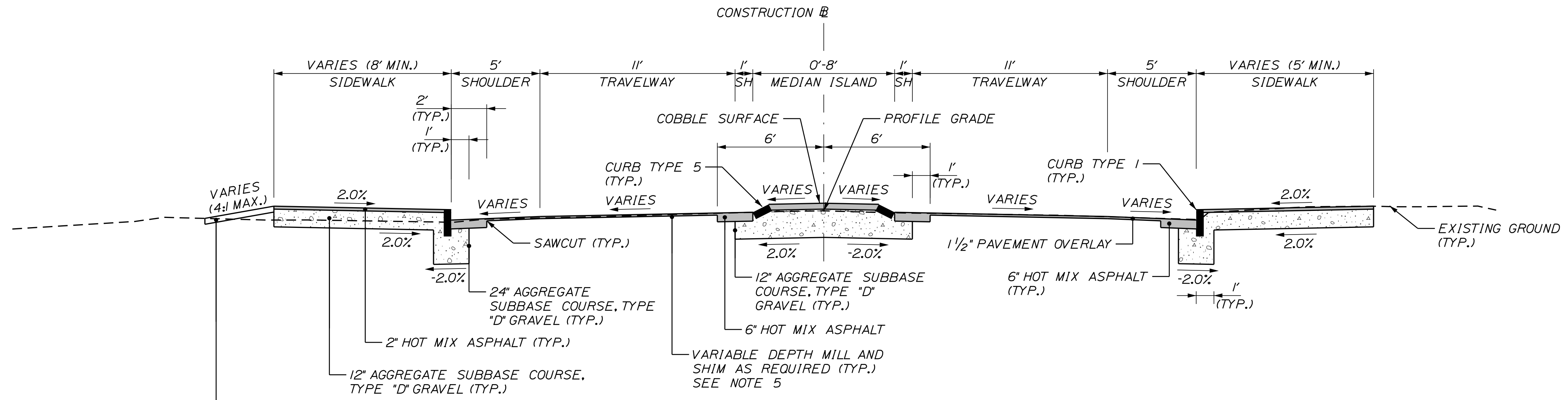
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ESP. = ESPLANADE  
SH = SHOULDER



**BROAD STREET  
TYPICAL SECTION**  
STA. 303+80 TO STA. 305+49

NOTES:  
1. SEE PREVIOUS SHEET FOR NOTES.



**BROAD STREET WITH MEDIAN ISLAND  
TYPICAL SECTION**  
STA. 305+49 TO STA. 306+14

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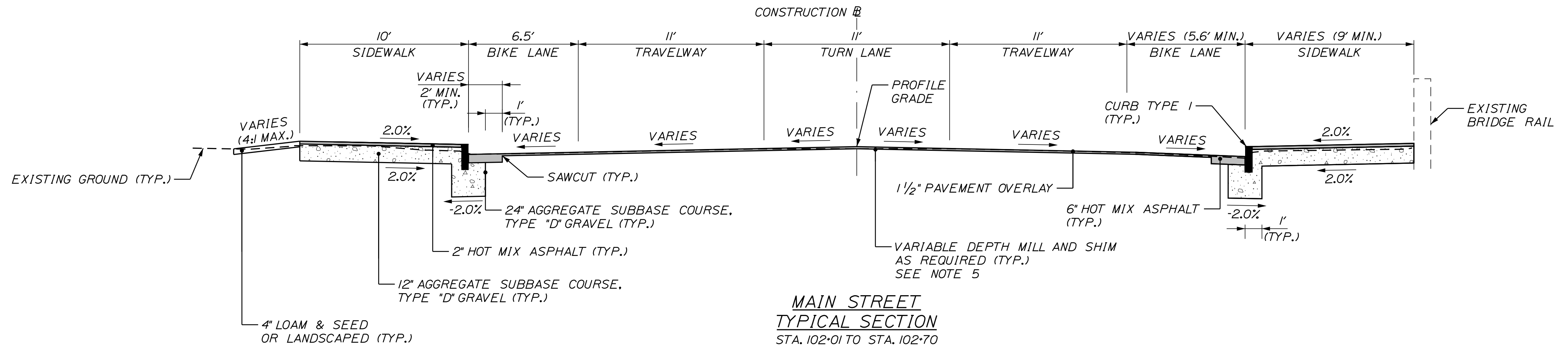
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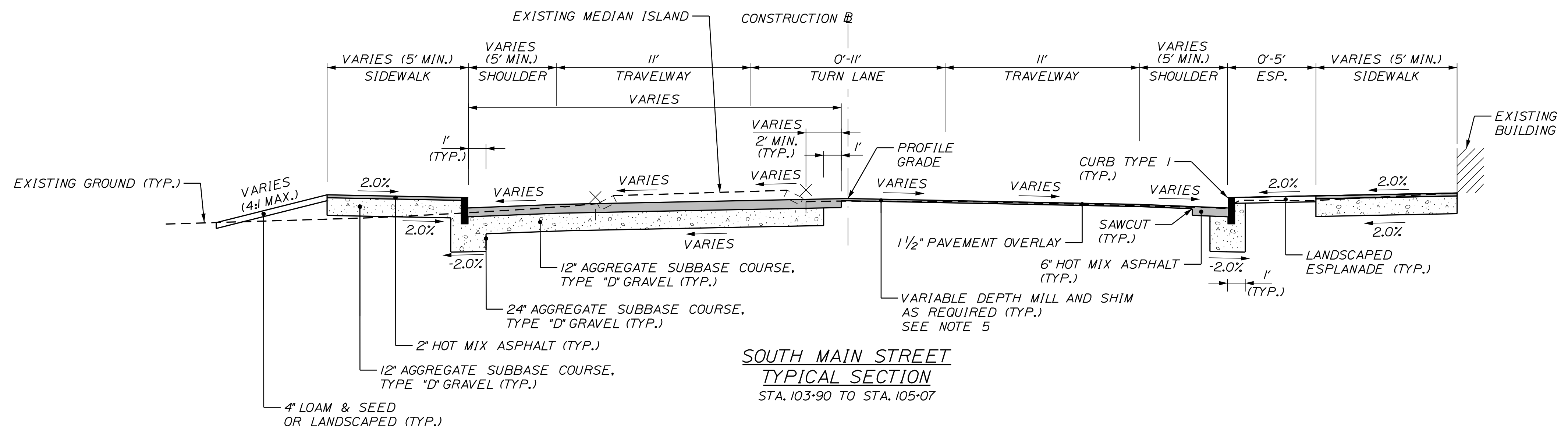
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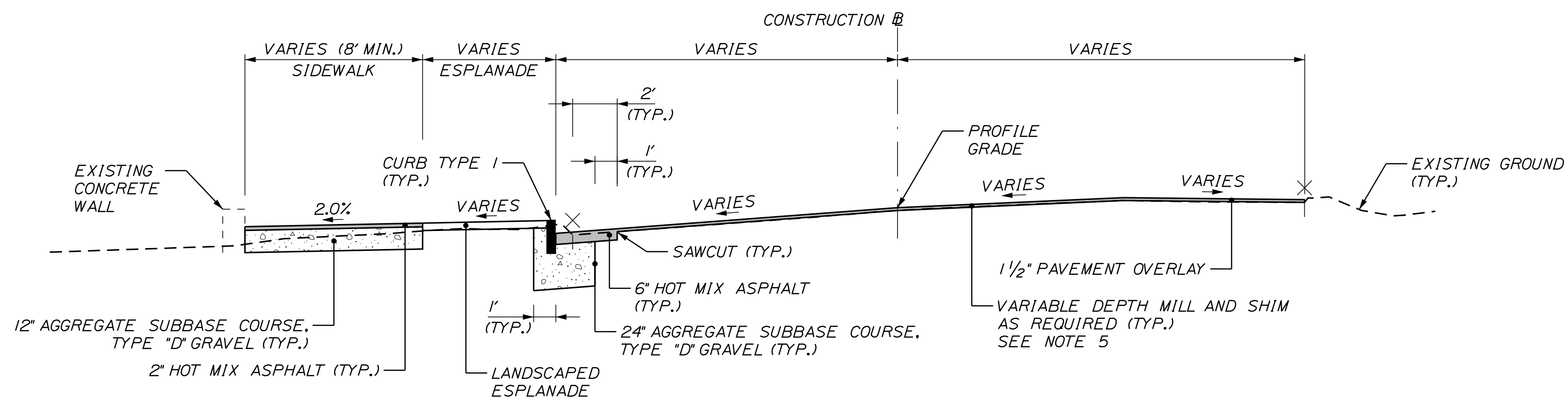
NOTES:  
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**MAIN STREET  
TYPICAL SECTION**  
STA. 102+01 TO STA. 102+70



**SOUTH MAIN STREET  
TYPICAL SECTION**  
STA. 103+90 TO STA. 105+07



**THIRD STREET  
TYPICAL SECTION**  
STA. 30+20 TO STA. 30+96

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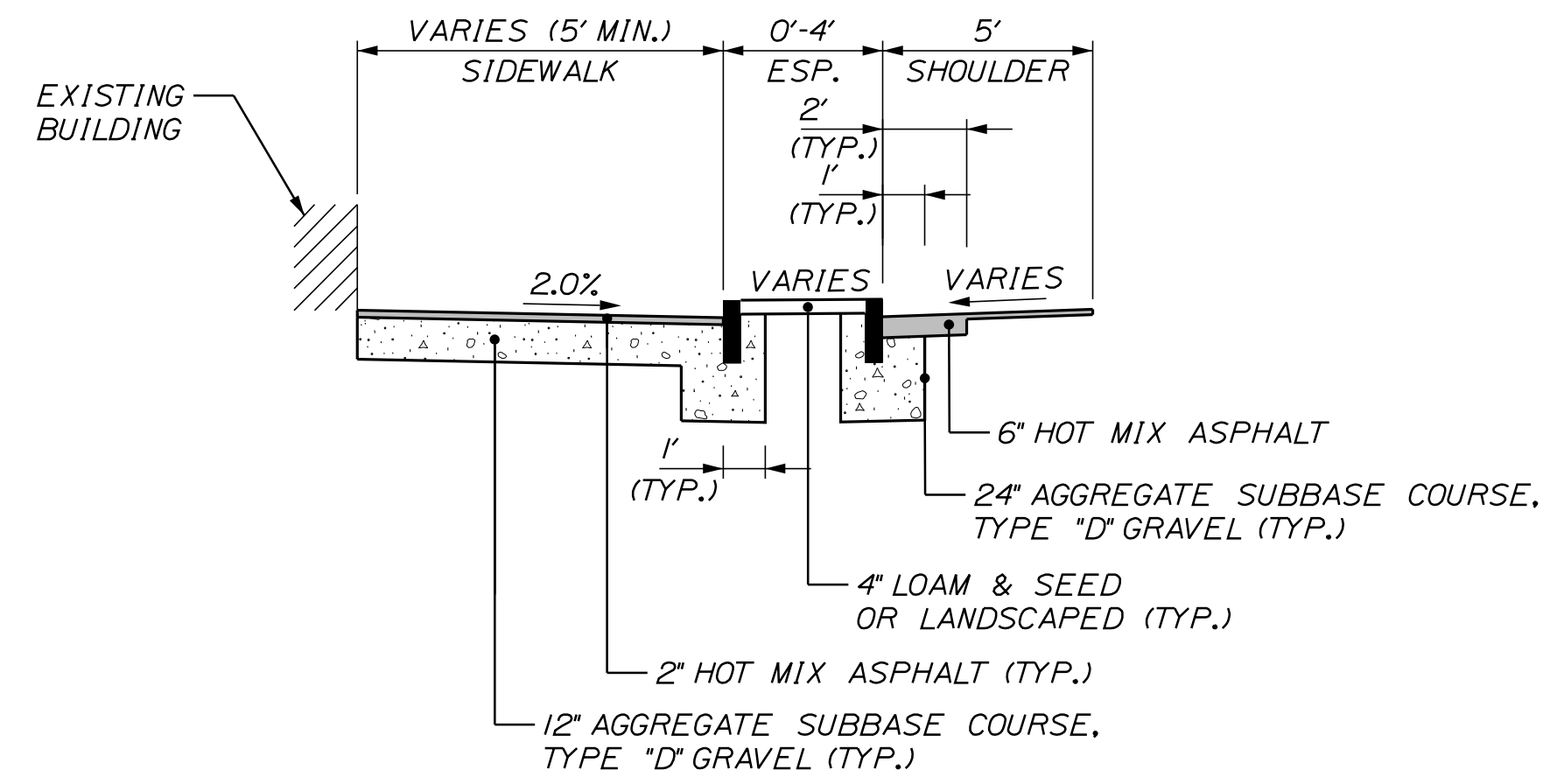
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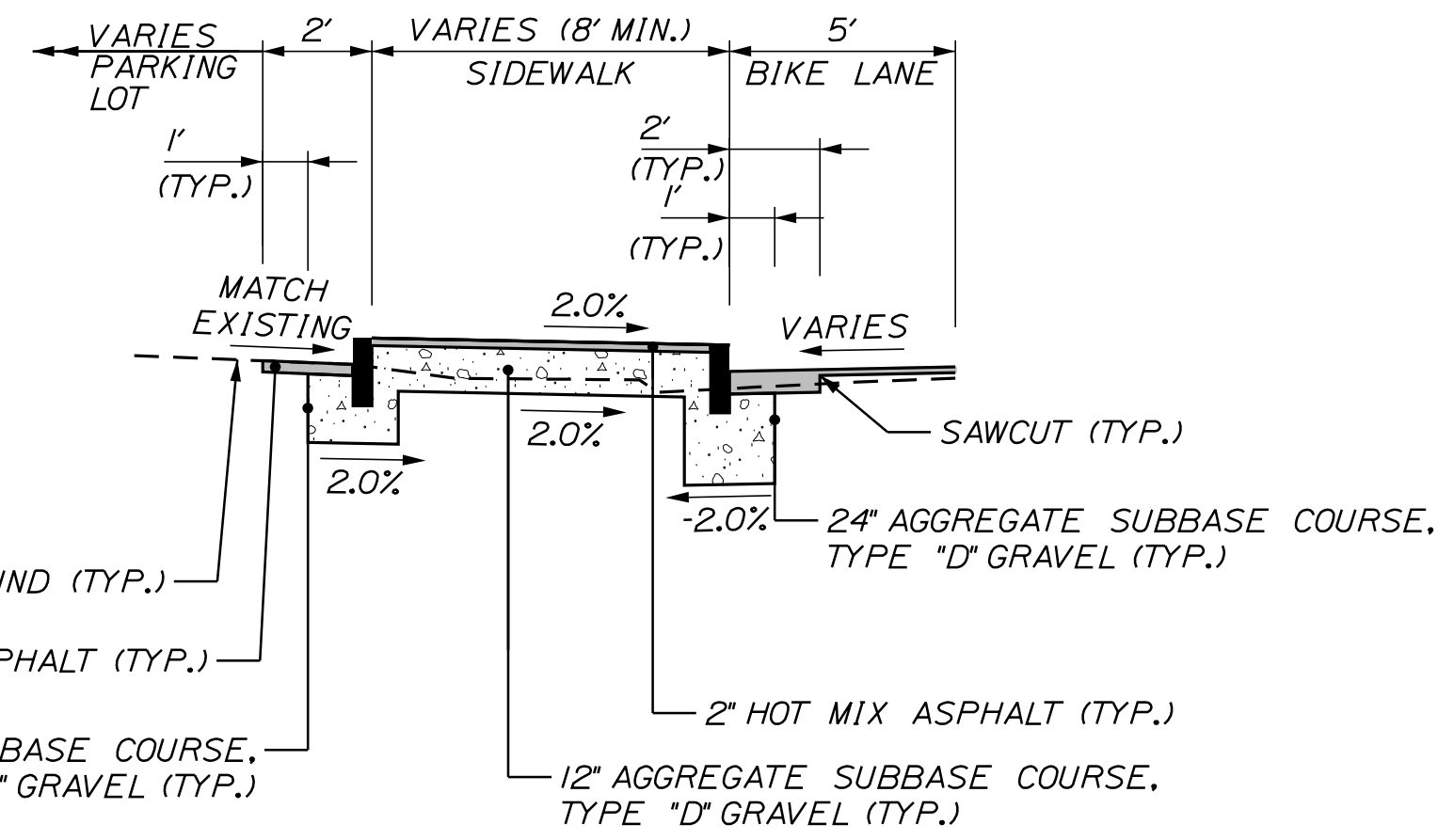


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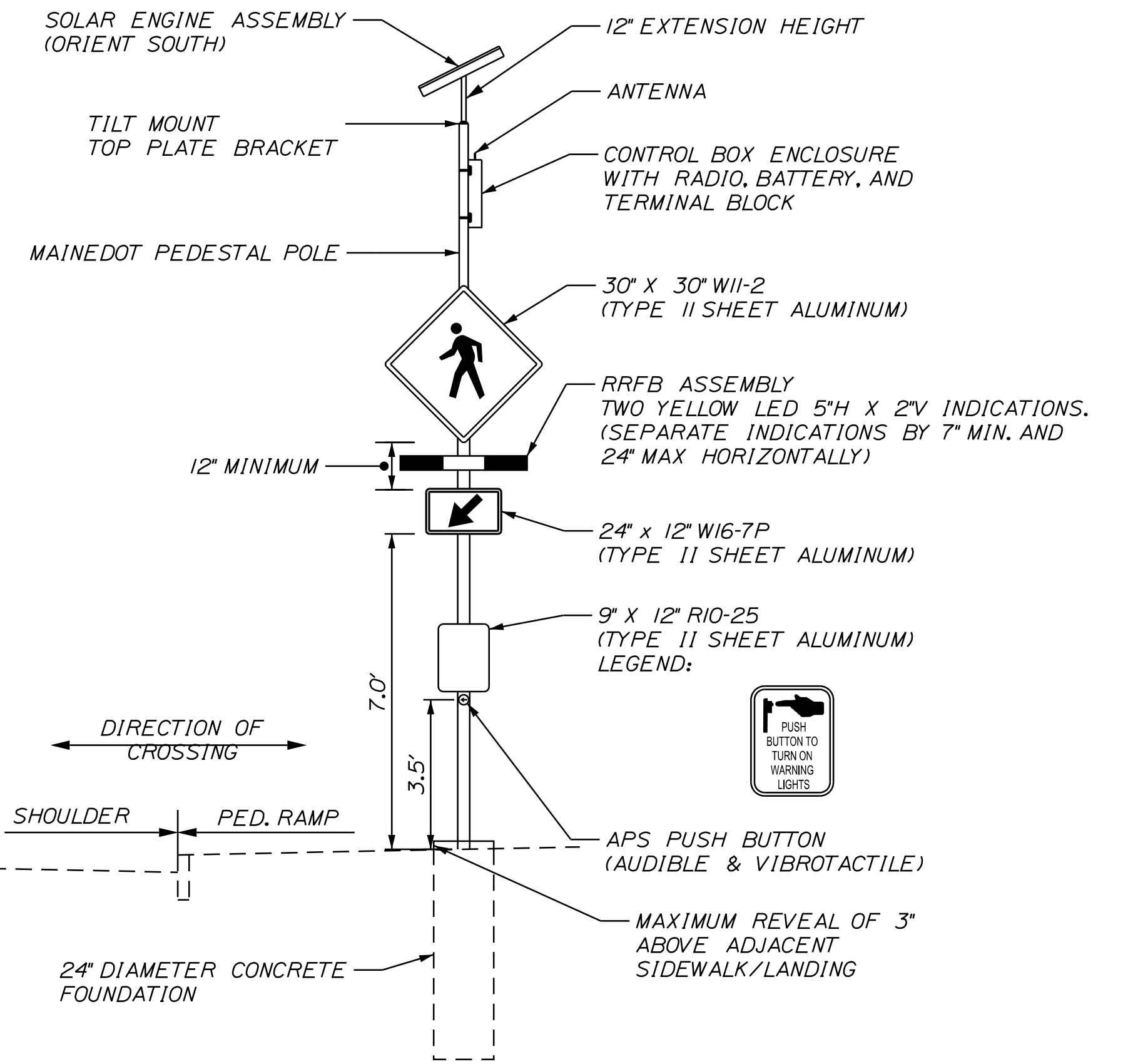
**ESPLANADE WITH BACK CURB  
DETAIL**

STA. 203+25 TO STA. 203+63, LT.  
STA. 304+67 TO STA. 305+50, LT.



**RAISED SIDEWALK DETAIL**

STA. 205+00 TO STA. 206+77 LT.



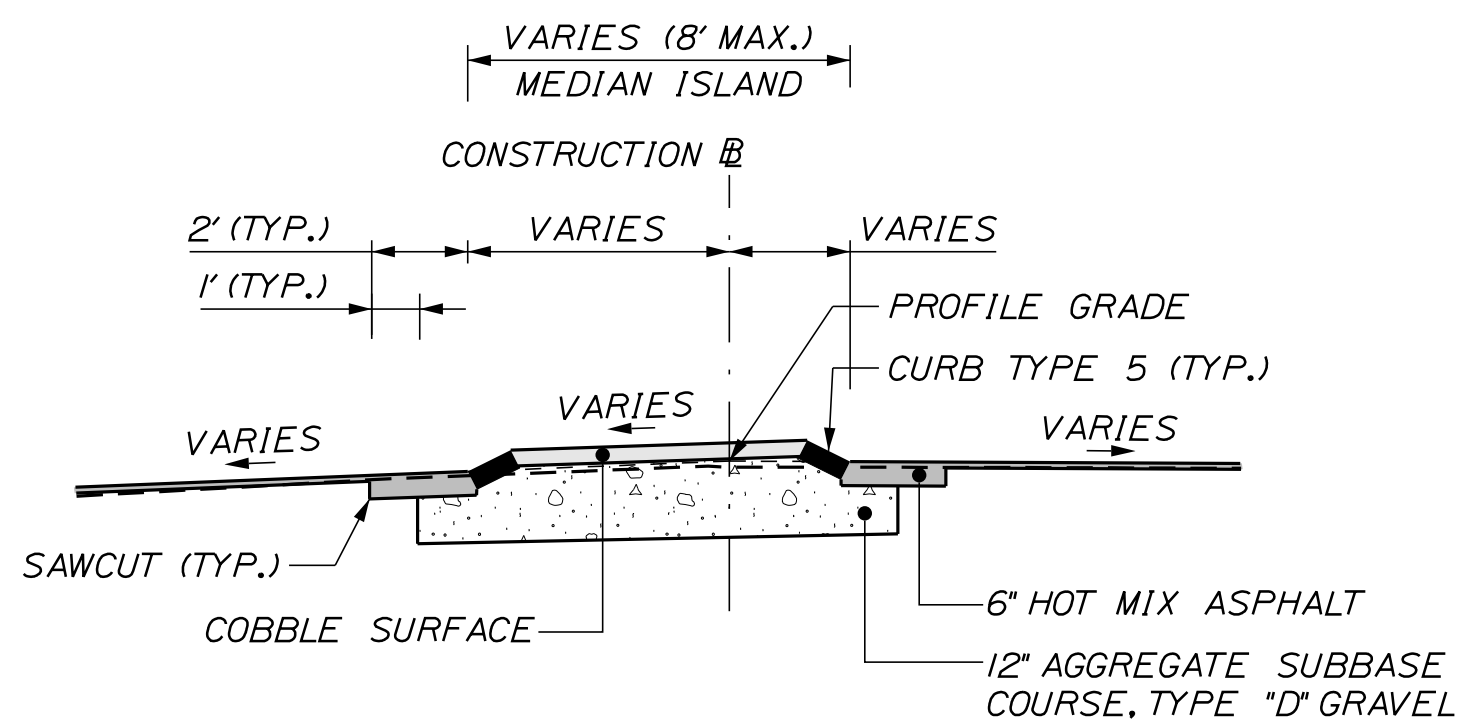
**RECTANGULAR RAPID  
FLASHING BEACON DETAIL**  
(SOLAR POWERED, RADIO ACTIVATED)

**NOTES:**

1. FLASH DURATION FOR CROSSING SHALL BE 25 SECONDS, BOTH LOCATIONS.
2. INSTALL RIO-25 SIGNAGE AND PUSH BUTTON TO ALIGN TO DIRECTION OF CROSSING.
3. ALIGN WII-2 RRFB ASSEMBLY AND W16-7P TO FACE TRAFFIC.
4. ALL LIGHTS AND PEDESTRIAN PUSH BUTTONS SHALL BE JSF TECHNOLOGIES OR EQUAL.
5. POLE SHALL BE PAINTED COLOR BLACK FINISH.

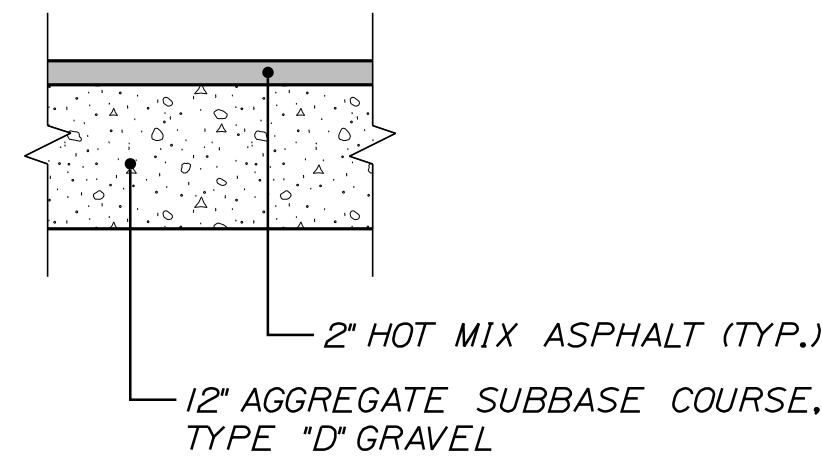
**RECTANGULAR RAPID FLASHING BEACON NOTES:**

1. RRFB GROUPINGS AT EACH CROSSWALK SHALL BE INTERCONNECTED WITH RADIO COMMUNICATIONS.
2. PEDESTRIAN PUSH BUTTONS SHALL BE ADA COMPLIANT AND BE INSTALLED AT 3.5 FEET ABOVE ADJACENT ACCESSIBLE SURFACE GRADE.
3. MAXIMUM ALLOWABLE REACH DISTANCE FOR PEDESTRIAN PUSH BUTTONS IS 10 INCHES. INSTALL EXTENSION BRACKETS IF REQUIRED. PAYMENT FOR EXTENSION BRACKETS WILL BE INCIDENTAL TO ITEM 643.63.
4. ACCESSIBLE PEDESTRIAN PUSH BUTTONS ON RRFB PEDESTAL POLES SHALL BE PROVIDED WITH A PUSH BUTTON LOCATOR TONE AND A SPEECH MESSAGE. SPEECH MESSAGES SHALL BE "MILL STREET OR BROAD STREET, YELLOW LIGHTS ARE FLASHING FOR MILL STREET OR BROAD STREET". SPEECH MESSAGES SHALL BE REPEATED AT LEAST TWICE FOR EACH PUSH BUTTON ACTIVATION.
5. LOCATIONS OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE PRESENCE OF UNDERGROUND UTILITY FACILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK OR INSTALLATION OF POLES, JUNCTION BOXES, CONDUIT, OR GROUND-MOUNTED SIGNAGE AND SHALL NOTIFY UTILITIES OF PROPOSED WORK IN ACCORDANCE WITH MRSA TITLE 23 SECTION 3360-A, MAINE "DIG SAFE" SYSTEM. CONTRACTOR SHALL CONTACT DIG SAFE AT LEAST THREE WORKING DAYS PRIOR TO THE BEGINNING OF EXCAVATION. ALL UTILITIES SHALL BE LOCATED BEFORE BEGINNING EXCAVATION.
6. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY OPERATIONS ARE CONDUCTED THAT POTENTIALLY COULD CONFLICT WITH AERIAL UTILITIES.
7. SPECIFIED RRFB ASSEMBLY LOCATIONS ARE MEASURED TO THE CENTER OF THE PEDESTAL POLE/FOUNDATION.
8. ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT, LEGIBLE, WEATHERPROOF TAGS SECURELY ATTACHED TO EACH CABLE.
9. THE MAINTENANCE OF RRFB ASSEMBLIES AND FLASHING SIGNAGE SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE INSPECTOR.
10. THIS PROJECT REQUIRES THREE RECTANGULAR RAPID FLASHING BEACON POLE ASSEMBLIES PER MID-BLOCK CROSSING LOCATION. WII-2 AND W16-7P SIGNS AND FLASHERS SHALL BE INSTALLED IN ONE DIRECTION ON THE RRFB'S LOCATED AT THE ROADWAY EDGES AND IN BOTH DIRECTIONS ON THE RRFB LOCATED IN THE ROADWAY MEDIAN.
11. WII-2 AND W16-7P SIGNS SHALL BE FLUORESCENT YELLOW-GREEN BACKGROUND COLOR.
12. SEE SPECIAL PROVISION 643.

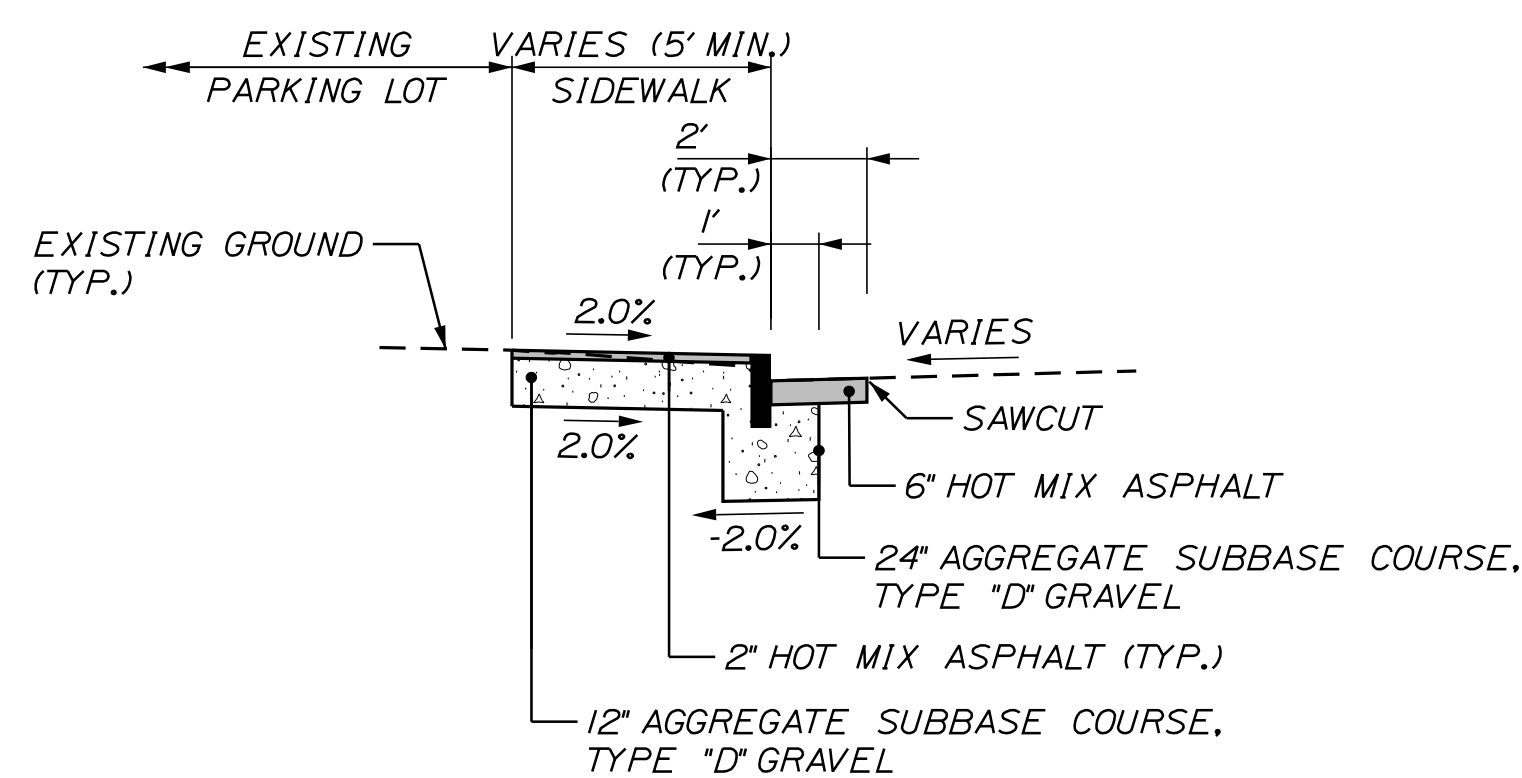


**MEDIAN ISLAND DETAIL**

STA. 206+39 TO STA. 206+77

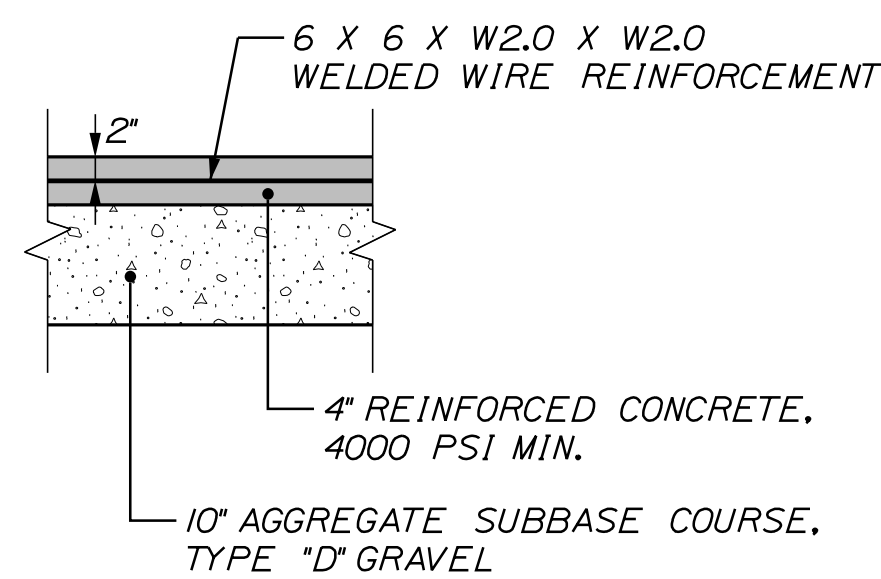


**BID ALT #1  
BITUMINOUS SIDEWALK**



**SECOND STREET  
CURB WITH SIDEWALK**

STA. 20+70 TO STA. 21+28, LT.



**BID ALT #2  
CONCRETE SIDEWALK**

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60 COURT STREET  
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FIELD CHANGES		FIELD CHANGES		

AUBURN  
MILL, MAIN AND BROAD STREETS

SPECIAL DETAILS

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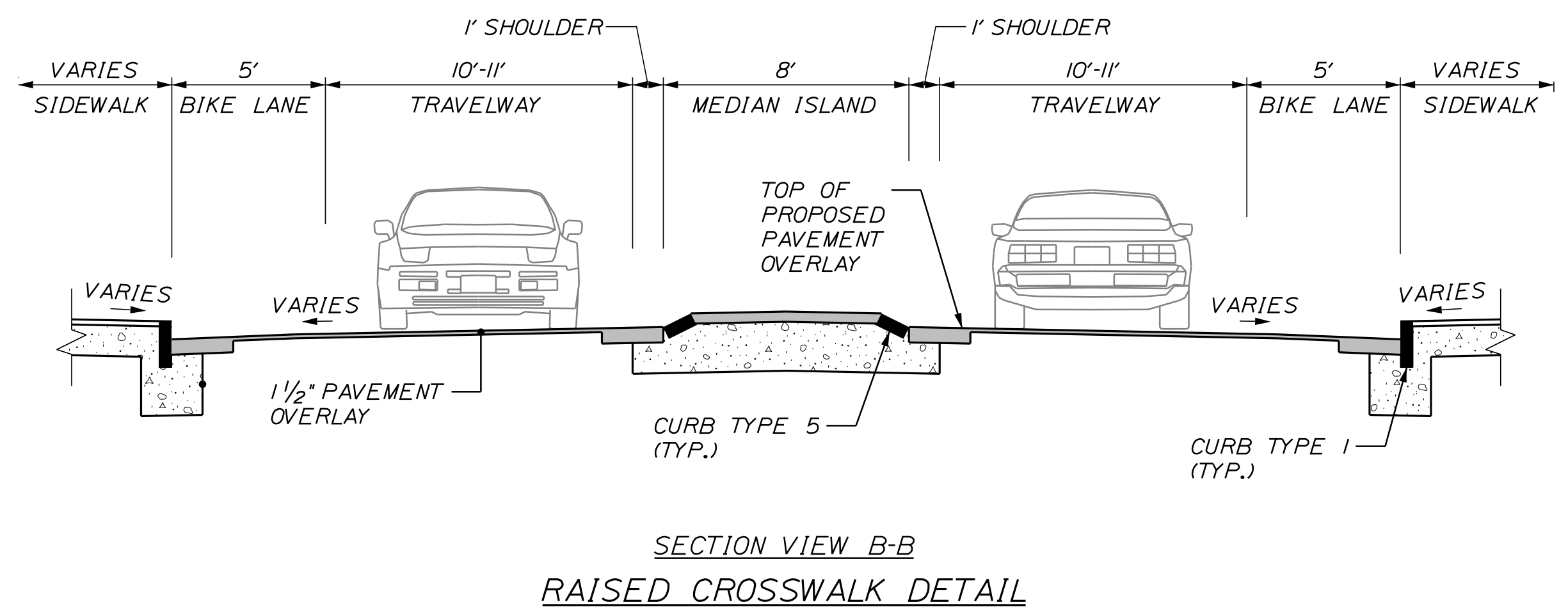
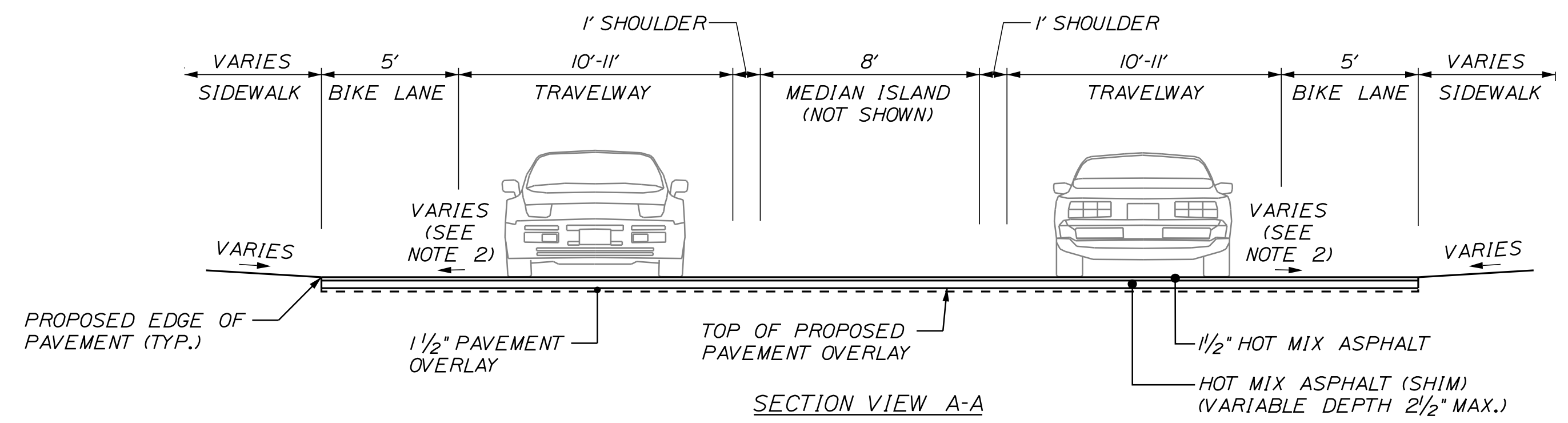
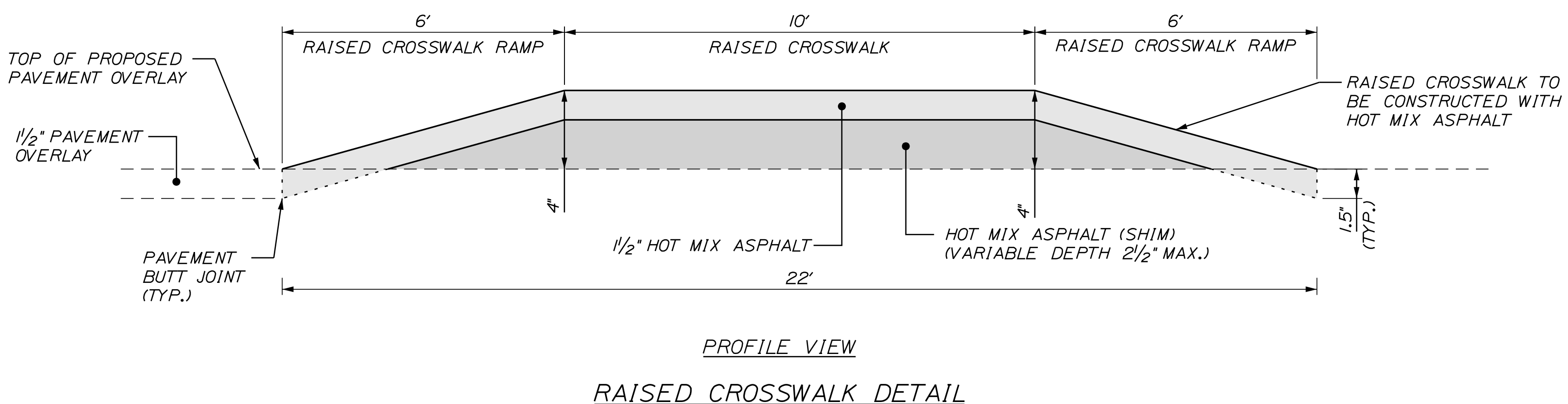
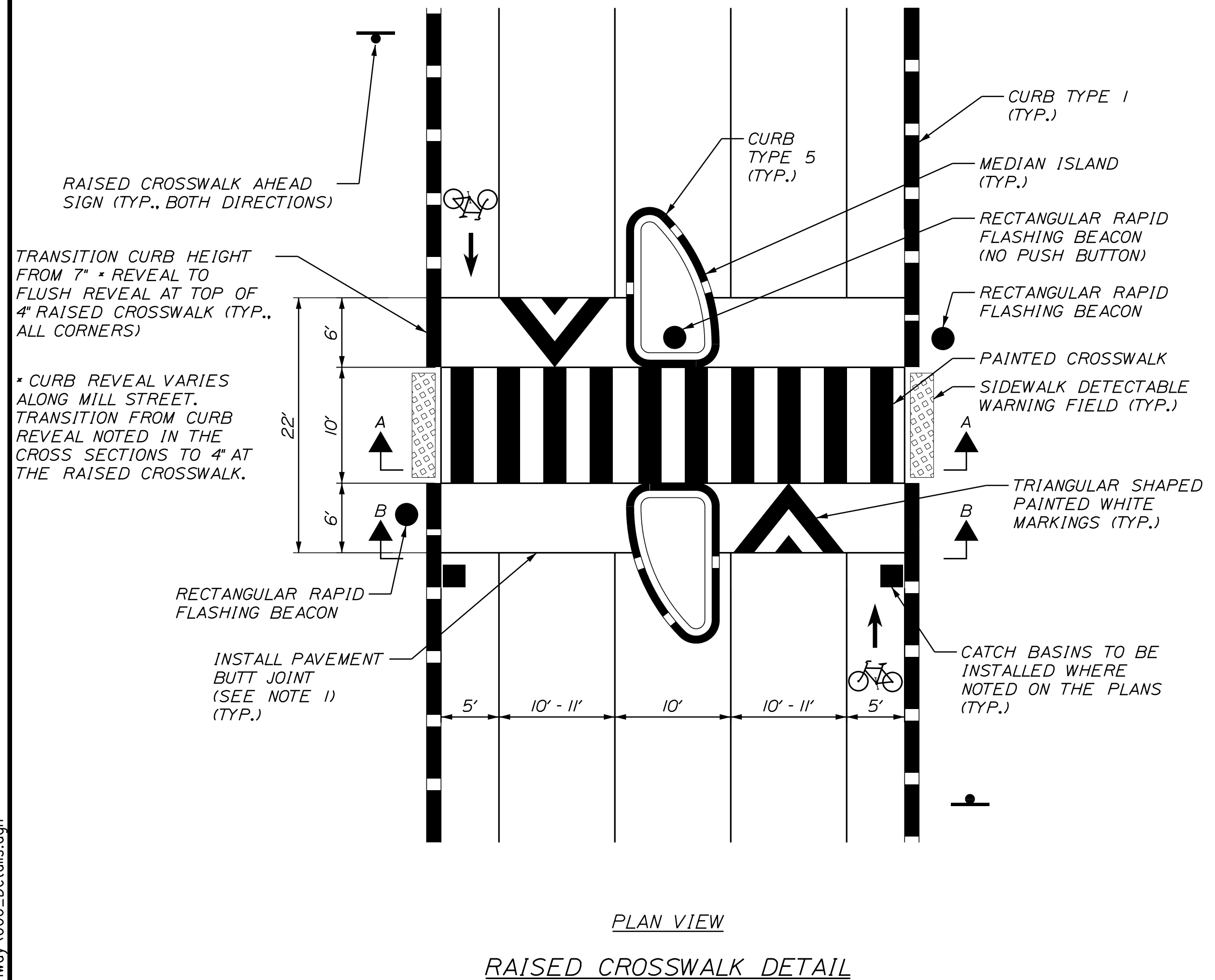
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- NOTES:**
- GRIND/MILL EXISTING PAVEMENT 1.5" DEEP ON BOTH SIDES OF THE RAISED CROSSWALK TO PROVIDE A FLUSH TRANSITION.
  - RAISED CROSSWALK CROSS SLOPES TO MATCH PROPOSED ROADWAY CROSS SLOPES.

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**GENERAL NOTES**

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE NOTED IN SPECIAL PROVISION 104.
2. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITY UNLESS OTHERWISE NOTED.
3. THE LOCATION OF THE EXISTING UTILITIES AND DRAINAGE SHOWN ON THE PLANS WERE COMPILED FROM FIELD SURVEY AND OTHER SOURCES. LOCATIONS ARE APPROXIMATE AND NOT GUARANTEED TO BE ACCURATE, NOR IS IT GUARANTEED THAT ALL FEATURES ARE SHOWN. NO SEPARATE PAYMENT OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED.
4. FOR EASEMENTS, CONSTRUCTION LIMITS, AND RIGHT-OF-WAY LINES, REFER TO RIGHT-OF-WAY PLANS.
5. ANY NECESSARY FINE GRADING OR RE-COMPACTION OF EXISTING GRAVEL SHALL NOT BE PAID FOR DIRECTLY AND SHALL BE CONSIDERED INCIDENTAL TO ITEM 304.10.
6. PAVEMENT CUT LINES SHALL BE NEAT, CLEAN AND STRAIGHT AS DIRECTED BY THE RESIDENT. PAYMENT FOR CUTTING OF EXISTING PAVEMENT SHALL BE INCIDENTAL TO 403 ITEMS.
7. PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
8. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 2 INCHES OF HOT MIX ASPHALT AND 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.
9. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 3 INCHES OF HOT MIX ASPHALT AND 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.
10. ALL PAVED WALKS SHALL BE CONSTRUCTED WITH 2 INCHES OF HOT MIX ASPHALT AND 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
11. ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE BUTTED. PAYMENT SHALL BE MADE UNDER STANDARD SPECIFICATION ITEM 202.203, PAVEMENT BUT JOINTS.
12. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS. THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.
13. REMOVAL OF EXISTING CURBING SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20 COMMON EXCAVATION.
14. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED MARKINGS, BY MEANS APPROVED BY THE RESIDENT.
15. PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" U.S.D.O.T., F.H.W.A., LATEST EDITION.
16. ACRYLIC LATEX COLOR FINISH GREEN (STANDARD SPECIFICATIONS ITEM 658.20, ACRYLIC LATEX COLOR FINISH) SHALL BE PLACED ON ALL PAVED ISLANDS, UNLESS OTHERWISE NOTED.
17. CROSS SLOPES FOR SIDEWALK SECTIONS SHALL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE RESIDENT.
18. REMOVAL OF EXISTING ROADSIDE SIGNS AND RELOCATION OF ROADSIDE SIGNS/POSTS AS NOTED ON THE SIGNING PLANS OR AS DIRECTED BY THE RESIDENT, SHALL BE CONSIDERED INCIDENTAL TO THE 645 PAY ITEMS.
19. SIGNS FOR ITEM 645.271 SHALL BE CONSTRUCTED OF SHEET ALUMINUM.
20. ANY DAMAGE TO THE EXISTING PAVEMENT, CURB AND SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
21. DO NOT EXCAVATE FOR AGGREGATE SUBBASE COURSE WHERE EXISTING MATERIAL IS SUITABLE AS DETERMINED BY THE RESIDENT.
22. IN AREAS WHERE THE RESIDENT DIRECTS THE CONTRACTOR NOT TO EXCAVATE TO THE SUBGRADE LINE SHOWN ON THE PLANS, PAYMENT FOR REMOVING EXISTING PAVEMENT, GRUBBING, SHAPING, DITCHING, AND COMPACTING THE EXISTING SUBBASE AND LAYERS OF NEW SUBBASE 6 INCHES OR LESS THICK WILL BE MADE UNDER APPROPRIATE EQUIPMENT RENTAL ITEMS.
23. ALL WORK TO CONFORM TO CURRENT MAINE DOT STANDARD SPECIFICATIONS, STANDARD DETAILS, AND CITY OF AUBURN REQUIREMENTS.
24. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DOT BEST MANAGEMENT PRACTICES FOR EROSION CONTROL AND SEDIMENT CONTROL, FEBRUARY, 2008.
25. ALL PEDESTRIAN RAMPS SHALL BE 6 FEET WIDE MINIMUM, UNLESS OTHERWISE NOTED ON THE PLANS.
26. DETECTABLE WARNING FIELDS SHALL BE INSTALLED AT EACH CURB RAMP ADJACENT TO A MARKED CROSSWALK. ACTUAL PLACEMENT SHALL BE AS REQUIRED BY THE STANDARD DETAILS AND DIRECTED BY THE RESIDENT. PAYMENT FOR ITEM 608.26 SHALL INCLUDE ALL CONCRETE AND WORK REQUIRED BY THE DETAILS.
27. CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS, RAMPS, LANDINGS AND ASSOCIATED PEDESTRIAN SIGNAL/RRFB PUSH BUTTONS TO BE ADA COMPLIANT IN ACCORDANCE WITH THE MAINE DOT'S LATEST STANDARD DETAILS AND RELATED NOTES. THESE STANDARD DETAILS AND NOTES APPLY TO ALL SIDEWALK TYPES (BITUMINOUS, CONCRETE, BRICK, ETC.). CONTRACTOR SHALL VERIFY THAT ALL GRADES AND SLOPES ARE ADA COMPLIANT PRIOR TO PLACEMENT OF THE SURFACE MATERIAL AND SHALL COORDINATE WITH THE RESIDENT AND MAINE DOT ON ANY NON-COMPLIANT LOCATIONS (PRIOR TO PLACEMENT OF SURFACE MATERIAL). CONTRACTOR SHALL ALSO VERIFY THAT ALL GRADES AND SLOPES ARE ADA COMPLIANT AFTER PLACEMENT OF THE SURFACE MATERIAL. FAILURE TO CONSTRUCT SIDEWALKS, RAMPS, AND LANDINGS TO BE ADA COMPLIANT MAY RESULT IN REJECTION OF WORK BY THE RESIDENT AND/OR MAINE DOT. CONTRACTOR SHALL REBUILD ALL REJECTED WORK AREAS AT NO ADDITIONAL COST TO THE PROJECT. CONTRACTOR SHALL PLAN THE WORK ACCORDINGLY. IF THERE IS A CONDITION THAT DOES NOT ALLOW FOR THE FULL ADA COMPLIANCE, THEN THE CONTRACTOR SHOULD REQUEST THE RESIDENT FILL OUT AND SUBMIT FOR APPROVAL, A TECHNICAL INFEASIBILITY FORM TO DOCUMENT THE REASONS FOR NON-COMPLIANCE.
28. CATCH BASIN AND RIM ELEVATIONS NOTED ON THE PLANS ARE THE TOP OF THE GRATE ELEVATIONS AT THE CENTER OF THE GRATE. CATCH BASIN OFFSET LOCATIONS ARE MEASURED TO THE CENTER OF THE GRATE.
29. EXISTING CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE RESIDENT UNDER THE APPROPRIATE PAY ITEMS.
30. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
31. THE PIPE SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTH-LINED PIPES.
32. FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
33. PLASTIC END CAPS SHALL BE PLACED ON THE INLET END OF ALL DEAD-END 6 INCH TYPE B UNDERDRAIN AND SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
34. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATION SECTION 604, MANHOLES, INLETS AND CATCH BASINS.
35. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATION SECTION 603, PIPE CULVERTS AND STORM DRAINS OR STANDARD SPECIFICATION SECTION 605, UNDERDRAINS.
36. ALL UNDERDRAIN NOT SHOWN ON THE CROSS SECTIONS WILL HAVE A FLOW LINE OF 5.5 FEET BELOW FINISH GRADE, DIRECTLY ABOVE THE UNDERDRAIN, AND THE UNDERDRAIN SAND BACKFILL WILL BE PLACED TO AN ELEVATION EQUAL TO THE BOTTOM OF THE NEW GRAVEL LAYER. ALL UNDERDRAIN SHOWN ON THE CROSS SECTIONS WILL HAVE FLOW LINE SCALED FROM THE CROSS SECTIONS. ALL FLOW LINE ELEVATIONS ARE SUBJECT TO APPROVAL BY THE RESIDENT.
37. ALL TYPE A CATCH BASINS PLACED ON A TYPE I CIRCULAR CURB SHALL HAVE THE CURB HEADSTONE CUT AT THE SAME RADIUS AS ADJACENT CIRCULAR CURB. PAYMENT SHALL BE INCIDENTAL TO STANDARD SPECIFICATION SECTION 604, MANHOLES, INLETS AND CATCH BASINS. SEE CURBING PLANS FOR PROPOSED HEADSTONE LOCATIONS.
38. EXISTING ABANDONED WATERMANS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIALS WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
39. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.
40. UNLESS OTHERWISE NOTED, SEEDING METHOD NO.1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO.2 SHALL BE UTILIZED ON ALL OTHER AREAS.
41. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.
42. MULCH SHALL BE APPLIED IN AREAS SEEDED BY SEEDING METHOD NO.1 AND SEEDING METHOD NO.2.
43. TRIM ALL TREE BRANCHES TO 20 FEET ABOVE THE PAVEMENT AND 8 FEET ABOVE SIDEWALKS. A TREE SPECIALIST SHALL BE SUBCONTRACTED FOR THIS WORK AND PAYMENT WILL BE MADE BY INVOICE PLUS 5%. ANY TREE BRANCHES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE TRIMMED AT THE CONTRACTOR'S EXPENSE.
44. STUMP REMOVAL HAS BEEN ESTIMATED UNDER STANDARD SPECIFICATION ITEM 201.24, REMOVE STUMP. HOWEVER, WHERE DIRECTED BY THE RESIDENT, STANDARD SPECIFICATION ITEM 631.20, STUMP CHIPPER RENTAL (INCLUDING OPERATOR) MAY BE USED TO REMOVE STUMPS.
45. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.
46. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW-SIDE SHOULDER, THE LOW-SIDE SHOULDER WILL HAVE THE SAME SLOPE AS THE TRAVELWAY.
47. CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
48. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
49. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS DIRECTIONAL SIGNS (OBDS) TO ENSURE THAT THEY ARE VISIBLE TO THE TRAVELING PUBLIC. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
50. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE BID DOCUMENTS IS FOR THE USE OF THE BIDDERS. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF THE ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. MAINE DOT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS PROVIDED IN THE BID DOCUMENTS (IF ANY) PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.
51. AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
52. NO SEPARATE PAYMENT FOR SUPERINTENDENT OF FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT WORK BEING PAID FOR UNDER EQUIPMENT RENTAL ITEMS.
53. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
54. STATION REFERENCED ARE APPROXIMATE.
55. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.
56. A MAINE DOT ENVIRONMENTAL OFFICE INVESTIGATION SPECIFIC WITH THIS PROJECT ENCOUNTERED DATA SUGGESTING PETROLEUM RELATED CONTAMINATION WAS POTENTIALLY PRESENT AT ROUGHLY STATION 207+00 TO ROUGHLY STATION 208+25 RIGHT OF CENTERLINE IN THE VICINITY OF EVERGREEN PRINTING; AND ROUGHLY STATION 207+50 TO ROUGHLY STATION 209+00 LEFT OF CENTERLINE AND ROUGHLY STATION 303+50 TO ROUGHLY STATION 303+75 LEFT OF CENTERLINE IN THE VICINITY OF A FORMER RETAIL GASOLINE STATION. IN LIGHT OF THE AVAILABLE ENVIRONMENTAL DATA, THE CONTRACTOR SHALL EMPLOY APPROPRIATE HEALTH AND SAFETY MEASURES TO PROTECT ITS WORKERS AGAINST HAZARDS ASSOCIATED WITH WORKING NEAR PETROLEUM-IMPACTED SOILS. FURTHERMORE, THE CONTRACTOR SHALL REMAIN ALERT FOR ANY ADDITIONAL EVIDENCE OF CONTAMINATION. IF THE CONTRACTOR ENCOUNTERS EVIDENCE OF SOIL OR GROUNDWATER CONTAMINATION, THE CONTRACTOR SHALL SECURE THE EXCAVATION, STOP WORK IN THE CONTAMINATED AREA, AND IMMEDIATELY NOTIFY THE RESIDENT OR CITY OF AUBURN ENGINEER, THE RESIDENT OR CITY OF AUBURN ENGINEER SHALL CONTACT THE MAINE DEP AT 800-482-0777. WORK MAY ONLY CONTINUE WITH AUTHORIZATION FROM THE RESIDENT OR CITY OF AUBURN ENGINEER.
57. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.
58. GRUBBING IN FILL AREAS ARE NOT SHOWN ON THE CROSS SECTIONS. ACTUAL GRUBBING LIMITS SHALL BE FIELD DETERMINED AS DIRECTED BY THE RESIDENT.
59. THE CITY OF AUBURN SHALL HAVE THE RIGHT AND AUTHORITY TO DETERMINE THE ACCEPTABILITY OF WORK AND MATERIALS IN PROGRESS OR COMPLETED. THE CITY OF AUBURN AND THE RESIDENT SHALL HAVE THE RIGHT TO REJECT ANY WORK OR MATERIALS WHICH DO NOT CONFORM, IN ITS SOLE OPINION, TO THE PLANS.
60. DRIVEWAY ACCESS SHALL BE MAINTAINED AT ALL TIMES.
61. ALL PROPOSED WORK SHALL BE IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", "STANDARD HIGHWAY SIGNS", U.S.D.O.T., F.H.W.A., LATEST EDITION.
62. THE CONTRACTOR SHALL CONTACT DIG-SAFE AND APPROPRIATE AUTHORITIES PRIOR TO ANY SUBSURFACE ACTIVITIES.
63. GRANITE CURBING (VERTICAL AND SLOPED) SHALL BE INSTALLED IN A CONCRETE BASE. SEE SPECIAL PROVISION 609. PAYMENT FOR CONCRETE WORK SHALL BE UNDER ITEM 609.50.
64. ALL GRANITE CURBING THAT IS REMOVED AND STACKED AND NOT REUSED ON THE PROJECT SHALL BE TURNED OVER TO THE CONTRACTOR.
65. COBBLE STONES NEEDED FOR LANDSCAPING PLANS WILL BE PROVIDED BY THE CITY. COBBLE STONES ARE LOCATED AT AUBURN PUBLIC WORKS ON GRACELAWN ROAD. CITY WILL LOAD THE MATERIAL AT PUBLIC WORKS AND CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING TO SITE.
66. LIGHT POLE LOCATIONS SHOWN ON LIGHTING PLANS ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE DETERMINED IN THE FIELD WITH RESIDENT APPROVAL. ALL LIGHT POLES SHALL BE INSTALLED WITH BREAKAWAY DEVICES.

Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Highway\007\_GeneralNotes.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\_Highway\007\_GeneralNotes.dgn

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210  
WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE
DESIGN-DETAILED	05/22	MFC	05/22
CHECKED-REVIEWED			
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

DATE	SIGNATURE	P.E. NUMBER	DATE

AUBURN  
MILL, MAIN AND BROAD STREETS  
GENERAL NOTES

SHEET NUMBER

7  
OF 49

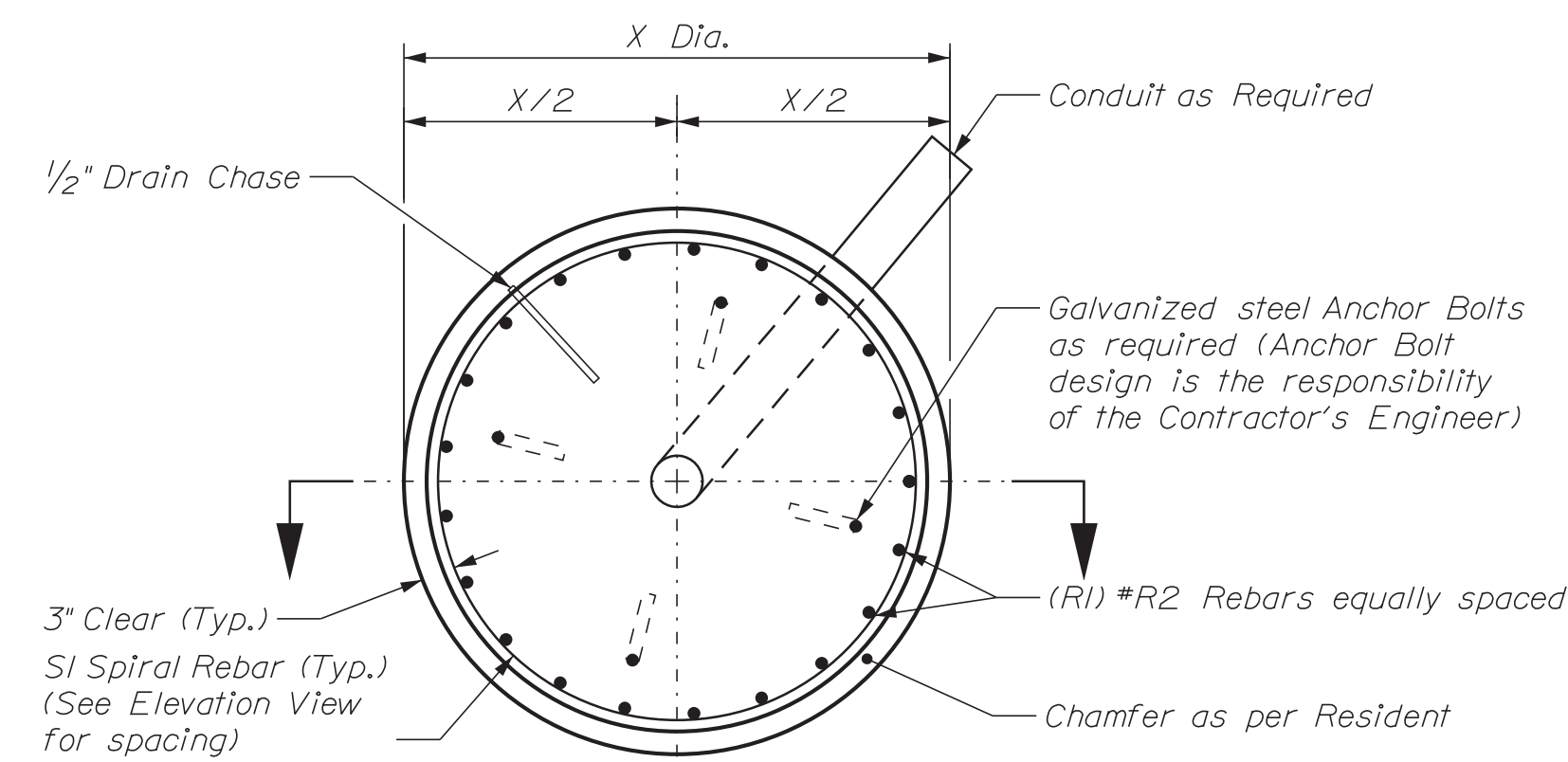


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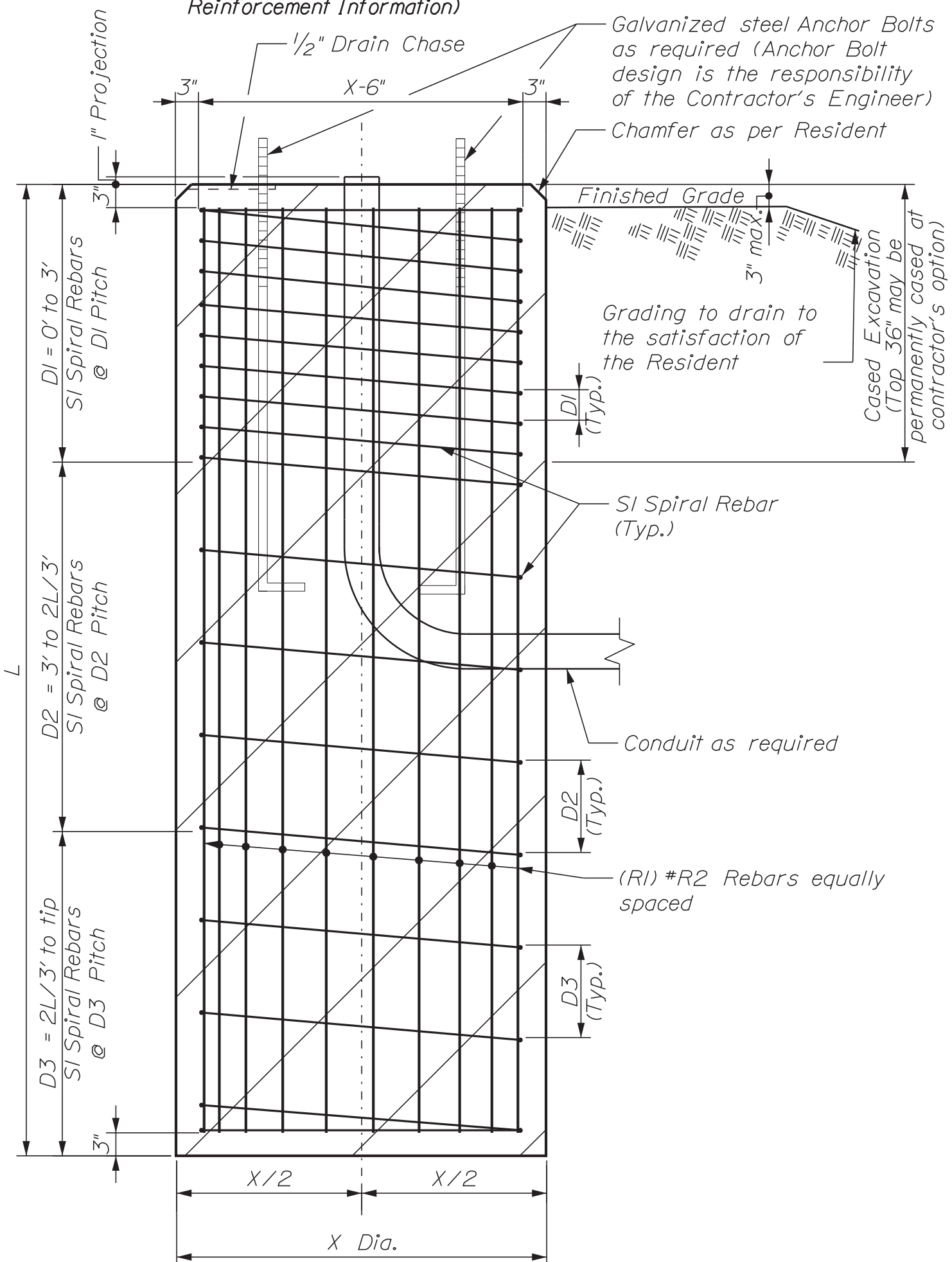








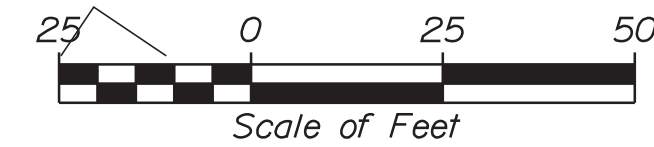
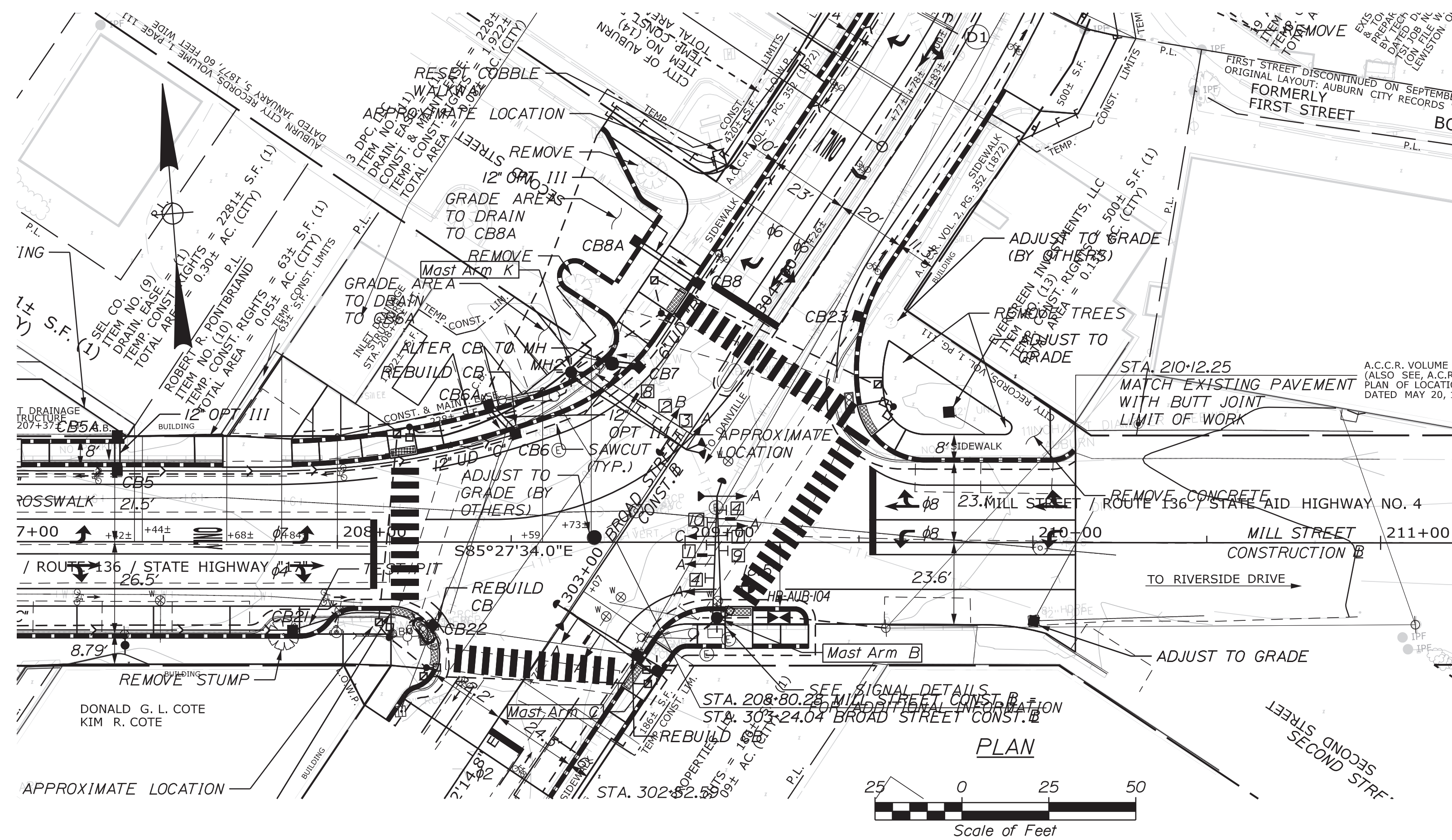
**Drilled Shaft Plan View**  
Not to Scale (See Table for Drilled Shaft & Reinforcement Information)



**Drilled Shaft Elevation View**  
Not to Scale (See Table for Drilled Shaft & Reinforcement Information)

**MAST ARMS B, C & K**

(B) Sta. 209+09.19, 21.75' Rt.  
(C) Sta. 208+91.90, 36.76' Rt.  
(K) Sta. 208+67.19, 48.87' Lt.



**NOTES:**

- All reinforcing steel is to be grade 60 and conform to MaineDOT Standard Specification requirements along with any project specific Supplementals or Special Provisions.
- All rebar shall have 3" cover unless otherwise noted.
- Should there be a discrepancy between these Details and actual observed field conditions report it to the Resident immediately.
- Do not proceed with dependent work until any such discrepancy is resolved to the satisfaction of the Resident.
- Concrete to be Class LP with  $f'c = 5,000$  PSI.
- Foundation sizes are designed based on estimated loading conditions and are subject to change based on the design of the above-ground components and the actual loading conditions at the top of each foundation submitted by the Contractor in accordance with Standard Specification Section 626.034. Any increase in foundation size based on the submitted loading conditions shall be paid for at the unit price bid by the Contractor. Any reduction in foundation size shall be to the benefit of the Department at the unit price bid by the Contractor.

Maine Department of Transportation		Projects: Mast Arms at Intersections of Mill St., South Main St. and Locations Auburn, Maine		Boring No.:		
Driller: MoinDOT	Elevation (ft.): 136.5	Operator: Doggett/Restrock	Station: NAVD83	WIN: 18651.00		
Logged By: B. Wilder	Rig Type: GME 45C	Drilling Method: Split Stem Auger	Sampler: Standard Split Spoon			
Date: 3/7/2022-3/8/2022	Coring Location: 209+19.2, 12.6 ft. Rt.	Coring ID/ST: NA	Water Level: 10.0 ft bgs.			
Header Efficiency Factor: 0.886	Header Type: automatic 20	Header: Hydraulic	Shim & Cathead: C			
Definitions: S = Split Spoon Sample W = Unsuccessful Split Spoon Sample Attempt L = Liquid Limit P = Plasticity Index W <sub>L</sub> = Unsuccessful Thin Wall Tube Sample Attempt W <sub>T</sub> = Weight of 40lb. hammer T <sub>200</sub> = 200 Mesh Sieve Retention W <sub>200</sub> = Weight of Pass or Coarse W <sub>U</sub> = Unsuccessful Field Vane Shear Test Attempt W <sub>U</sub> = Weight of Test Sample	R = Rock Core Sample SA = Split Stem Auger SA = Hollow Stem Auger SA = Solid Core W = Weight of 140lb. hammer W <sub>U</sub> = Unsuccessful Field Vane Shear Test Attempt W <sub>U</sub> = Weight of Test Sample	C <sub>u</sub> = Peak/Residual Field Vane Undrained Shear Strength (psf) C <sub>u</sub> = Peak/Residual Shear Strength (psf) C <sub>u</sub> = Undrained Shear Strength (psf) C <sub>u</sub> = Undrained Shear Strength (psf) C <sub>u</sub> = Undrained Shear Strength (psf) C <sub>u</sub> = Undrained Shear Strength (psf)	F <sub>1</sub> = Friction Ratio F <sub>2</sub> = Friction Ratio F <sub>3</sub> = Friction Ratio F <sub>4</sub> = Friction Ratio F <sub>5</sub> = Friction Ratio F <sub>6</sub> = Friction Ratio			
Sample Information						
Depth (ft.)	Sample No.	Pen./Reac. (in)	Sample Depth (ft.)	Sample Date	Sample Description and Remarks	Laboratory Testing Results (ASTM and Unified Class)
0					4" MAX. 3" SOFT CONCRETE.	
10	24/18	1.00 - 3.00	6/6/2/5	11 16	Brown, damp, medium dense, fine to coarse SAND, little gravel.	
5	20	5.00 - 7.00	3/4/10/22	14 21	Light brown, damp, medium dense, fine to coarse SAND, trace silt.	
10	30	24/12	10.00 - 12.00	2/2/2/3	5 T	Grey, wet, loose, silty fine to medium SAND, trace clay.
15	40	24/24	15.00 - 17.00	2/2/2/3	5 T	Grey, wet, loose, silty fine to medium SAND.
20	50	24/18	20.00 - 22.00	12/29/25/28	54 80	Grey, wet, very dense, fine to coarse SAND, some silt, little gravel.
21					Bottom of Exploration at 22.0 feet below ground surface. NO RETURN.	

Mast Arm Designation	Mast Arm Station and Offset	Drilled Shaft Dimensions		Reinforcing Steel			Spiral Bar Spacing		
		X	L	R1	R2	S1	D1 (in)	D2 (in)	D3 (in)
		Diameter (feet)	Length (feet)	Longitudinal Rebars Quantity	Longitudinal Rebars Size	Spiral Rebars Size	0 to 3 ft	3 ft to 2L/3 ft	2L/3 ft to tip
B	209+09.19, 21.75' Right	3.5	16.0	18	#9	#5	4	4	12
C	208+91.90, 36.76' Right	3.0	8.5	15	#8	#5	4	8	12
K	208+67.169, 48.87' Left	3.5	15.0	18	#9	#5	4	4	12

STATE OF MAINE DEPARTMENT OF TRANSPORTATION  
 NHP-1865(100)  
 WIN 18651.00  
 HIGHWAY PLANS

STATE OF MAINE  
 Kathleen Maguire  
 7120  
 PROFESSIONAL ENGINEER

DATE: OCT 2020  
 BY: T. WHITE  
 CHECKED: K. MAGUIRE  
 DESIGN: T. WHITE  
 DESIGNED: T. WHITE  
 REVISIONS: 1  
 REVISIONS: 2  
 REVISIONS: 3  
 REVISIONS: 4

SIGNATURE: [Signature]  
 P.E. NUMBER: 7120  
 DATE: 6/6/2022

PROJECT: AUBURN MILL, MAIN AND BROAD STREETS  
 MAST ARM FOUNDATIONS & BORING LOCATION PLAN WITH BORING LOG

SHEET NUMBER: 9  
 OF 49



Date: 7/12/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \010\_ConstructionNotes.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\_Highway\010\_ConstructionNotes.dgn

**DRIVES AND ENTRANCES**

LOCATION	DESCRIPTION	OPENING
STA. 20+60.00, LT.	PAVED COMMERCIAL	26 FT.
STA. 21+07.00, LT.	PAVED COMMERCIAL	26 FT.
STA. 104+67.00, RT.	PAVED COMMERCIAL	33 FT.
STA. 203+70.00, LT.	PAVED COMMERCIAL	20 FT.
STA. 206+24.00, LT.	PAVED COMMERCIAL	31 FT.
STA. 206+80.00, LT.	PAVED COMMERCIAL	33 FT.
STA. 207+79.00, LT.	PAVED COMMERCIAL	20 FT.
STA. 305+00.00, RT.	PAVED COMMERCIAL	26 FT.

**ITEM 201.23 - REMOVING SINGLE TREE TOP ONLY**

LOCATION	DESCRIPTION
STA. 202+84.01, 31.65' RT.	UNKNOWN
STA. 206+44.34, 40.97' RT.	UNKNOWN
STA. 209+94.07, 29.08' LT.	UNKNOWN
STA. 303+77.80, 50.04' LT.	14" MAPLE
STA. 304+17.88, 50.77' LT.	18" MAPLE
STA. 20+68.00, 20.21' RT.	UNKNOWN

**ITEM 201.24 - REMOVING STUMP**

LOCATION	DESCRIPTION
STA. 202+84.01, 31.65' RT.	UNKNOWN
STA. 206+44.34, 40.97' RT.	UNKNOWN
STA. 207+84.33, 26.15' RT.	24" DEC
STA. 209+94.07, 29.08' LT.	UNKNOWN
STA. 303+77.80, 50.04' LT.	14" MAPLE
STA. 304+17.88, 50.77' LT.	18" MAPLE
STA. 20+68.00, 20.21' RT.	UNKNOWN

**ITEM 202.15 - REMOVING MANHOLE OR CATCH BASIN**

LOCATION	DESCRIPTION
STA. 202+97.35, 35.76' RT.	
STA. 104+94.66, 21.01' RT.	

**ITEM 603.159 - 12" CULVERT PIPE OPTION III**

LOCATION	LENGTH (FT.)
CB1 TO MH1	19
CB3 TO CB3A	3.4
CB13 TO MH3	10.5
CB14 TO MH3	3
CB5 TO CB5A	8
CB6 TO CB6A	8
MH2 TO CB7	4
CB8 TO CB8A	18

**ITEM 604.072 - CATCH BASIN TYPE A1-C**

LOCATION	DESCRIPTION
STA. 104+00.00, 26.47' LT.	(CB17)
STA. 104+94.18, 15.74' RT.	(CB16)
STA. 205+45.00, 17.38' RT.	(CB19)
STA. 208+86.66, 50.41' LT.	(CB7) FLAT TOP
STA. 303+99.00, 21.88' LT.	(CB8)
STA. 303+99.00, 43.51' LT.	(CB8A) FLAT TOP

**ITEM 604.16 - ALTERING CATCH BASIN TO MANHOLE**

LOCATION	DESCRIPTION
STA. 202+60.11, 33.95' LT.	(MH1)
STA. 202+80.31, 15.15' RT.	(MH3)
STA. 205+10.22, 24.18' RT.	(MH4)
STA. 208+78.92, 51.37' LT.	(MH2)
STA. 305+64.49, 27.16' LT.	(MH5)

**ITEM 604.164 - REBUILDING CATCH BASIN**

LOCATION	DESCRIPTION
STA. 208+27.51, 23.91' RT.	(CB22) 2' CONE
STA. 208+51.22, 31.06' LT.	(CB6) FLAT TOP
STA. 208+86.17, 32.37' RT.	2' CONE

**ITEM 604.18 - ADJUSTING MANHOLE OR CATCH BASIN TO GRADE**

LOCATION	DESCRIPTION
STA. 102+11.76, 21.61' LT.	(CB2)
STA. 102+11.81, 21.37' RT.	
STA. 104+90.75, 21.05' LT.	
STA. 204+96.90, 48.25' LT.	
STA. 209+75.77, 37.53' LT.	
STA. 210+00.25, 22.51' RT.	
STA. 305+78.94, 19.00' RT.	
STA. 306+18.95, 48.69' LT.	(CB12)

**ITEM 604.252 - CATCH BASIN TYPE A5-C**

LOCATION	DESCRIPTION
STA. 202+40.29, 22.18' LT.	(CB1) 2' CONE
STA. 202+96.08, 40.40' RT.	(CB15) 2' CONE
STA. 203+33.09, 33.20' LT.	(CB3) 2' CONE
STA. 203+73.04, 27.89' RT.	(CB18) 2' CONE
STA. 206+43.17, 17.37' RT.	(CB20) 2' CONE
STA. 206+43.17, 20.37' LT.	(CB4) 2' CONE
STA. 207+36.73, 20.38' LT.	(CB5) FLAT TOP
STA. 207+87.17, 25.38' RT.	(CB21) 2' CONE
STA. 208+43.51, 39.47' LT.	(CB6A) FLAT TOP
STA. 304+16.74, 21.49' RT.	(CB23)
STA. 305+39.64, 26.24' LT.	(CB9) 2' CONE
STA. 305+80.00, 19.87' LT.	(CB10) 2' CONE
STA. 306+05.64, 24.98' LT.	(CB11) 2' CONE

**ITEM 604.249 - CATCH BASIN TYPE F6-C**

LOCATION	DESCRIPTION
STA. 207+36.73, 30.63' LT.	(CB5A)

**ITEM 604.262 - CATCH BASIN TYPE B5-C**

LOCATION	DESCRIPTION
STA. 202+66.39, 13.36' RT.	(CB13) 2' CONE
STA. 202+81.62, 21.35' RT.	(CB14) FLAT TOP
STA. 203+35.58, 38.96' RT.	(CB3A) 2' CONE
STA. 306+04.90, 21.56' RT.	(CB24)

**ITEM 605.09 - 6" UD TYPE "B"**

LOCATION	LENGTH (FT.)
STA. 201+74.69, LT. TO CB1	65
CB3 TO STA. 204+12.50, LT.	83
CB17 TO STA. 104+85.33, LT.	84
STA. 205+04.68, LT. TO CB4	137
STA. 303+77.00, LT. TO CB8	20

**ITEM 605.11 - 12" UD TYPE "C"**

LOCATION	LENGTH (FT.)
CB2 TO CB3	104
CB14 TO CB15	21
CB15 TO CB16	123
CB17 TO CB18	24
CB18 TO MH4	133
MH4 TO CB19	32
CB20 TO CB21	142
CB4 TO CB5	90
CB21 TO CB22	38
CB5 TO CB6	112
CB8 TO CB10	173
CB10 TO CB11	23
CB11 TO CB12	25

**ITEM 607.24 - REMOVE AND RESET FENCE**

LOCATION	LENGTH (FT.)
STA. 202+47 TO STA. 202+72, RT.	52
STA. 103+67 TO STA. 103+85, RT.	21

**ITEM 608.26 - CURB RAMP DETECTABLE WARNING FIELD SF**

STA. 30+22, RT.	16.0
STA. 30+50, LT.	16.0
STA. 102+82, LT.	24.0
STA. 103+55, RT.	18.0
STA. 103+93, LT.	14.0
STA. 202+49, LT.	32.0
STA. 202+73, RT.	18.0
STA. 203+65, LT.	18.0
STA. 203+84, LT.	18.0
STA. 203+86, RT.	16.0
STA. 203+87, LT.	16.0
STA. 204+37, LT.	28.0
STA. 204+89, LT.	20.0
STA. 206+58, RT.	20.0
STA. 206+58, LT.	20.0
STA. 208+19, LT.	16.0
STA. 208+19, RT.	16.0
STA. 209+16, RT.	16.0
STA. 209+51, LT.	18.0
STA. 302+69, LT.	14.0
STA. 302+94, RT.	16.0
STA. 303+91, LT.	16.0
STA. 305+93, RT.	20.0
STA. 305+93, LT.	20.0
STA. 306+11, LT.	16.0

**ITEM 643.63 - RECTANGULAR RAPID FLASHING BEACON**

LOCATION	DESCRIPTION
STA. 206+51.70, 23.00' LT.	
STA. 206+64.85, 1.50' LT.	
STA. 206+64.85, 21.03' RT.	
STA. 305+89.46, 29.48' LT.	
STA. 305+86.00, 0.00' RT.	
STA. 305+96.32, 28.32' RT.	

**ITEM 841.47 - STEEL BOLLARD**

LOCATION	DESCRIPTION
STA. 203+67.33, 36.34' LT.	
STA. 203+87.38, 35.57' LT.	
STA. 204+06.37, 36.51' LT.	
STA. 204+15.36, 36.09' LT.	
STA. 204+24.35, 35.68' LT.	

**EARTHWORK SUMMARY**

**COMMON EXCAVATION FOR ESTIMATE**

COMMON EXCAVATION (FROM MODEL OR PLANS)	2652
GRUBBING IN FILL	0
LOAM SALVAGE IN FILL	0
UNDERCUT	0
MUCK EXCAVATION	0
PEAT EXCAVATION	0
CULVERT INLET AND OUTLET DITCHES	0
PAVEMENT SALVAGE IN FILL	55

TOTAL COMMON EXCAVATION 2707

**FILL FOR BORROW CALCULATIONS**

COMMON FILL (FROM MODEL OR PLANS)	29
GRUBBING IN FILL	0
LOAM SALVAGE IN FILL	0
UNDERCUT	0
MUCK EXCAVATION	0
PEAT EXCAVATION	0
PAVEMENT SALVAGE IN FILL	55
RECYCLED PAVEMENT REMOVAL IN FILL	0

TOTAL FILL 84

**ROCK EXCAVATION FOR ESTIMATE**

ROCK EXCAVATION (FROM CROSS SECTIONS)	0
ROCK EXCAVATION (BOULDERS)	0

TOTAL ROCK EXCAVATION 0

**AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS**

ALL DEDUCTIONS:	
GRUBBING IN CUT	0
GRUBBING IN FILL	0
LOAM SALVAGE IN CUT	0
LOAM SALVAGE IN FILL	0
UNDERCUT	0
MUCK EXCAVATION	0
PEAT EXCAVATION	0
PAVEMENT SALVAGE (CUT & FILL)	545

TOTAL DEDUCTIONS 550

TOTAL AVAILABLE COMMON EXCAVATION (-) TOTAL DEDUCTIONS	2157
TOTAL AVAILABLE STRUCTURAL EXCAVATION (UNDERDRAIN ONLY)	0
RIPRAP EXCAVATION	0

TOTAL AVAILABLE NON-ROCK EXCAVATION 2157

**COMPUTATION OF WASTE STORAGE & WASTE MATERIAL**

TOTAL AVAILABLE WASTE STORAGE AREA (FROM CROSS SECTIONS)	0
GRUBBING IN CUT	0
GRUBBING IN FILL	0
UNDERCUT	0
MUCK EXCAVATION	0
PEAT EXCAVATION	0
TOTAL WASTE MATERIAL	5

TOTAL WASTE MATERIAL TO BE UTILIZED\* 0

TOTAL WASTE MATERIAL TO BE WASTED 5

**COMPUTATION FOR SURPLUS MATERIAL OR COMMON BORROW FOR ESTIMATE**

TOTAL AVAILABLE NON-ROCK EXCAVATION	2157 x 0.90 = 1941.3
TOTAL AVAILABLE ROCK EXCAVATION	0 x 1.30 = 0
TOTAL AVAILABLE STRUCTURAL ROCK EXCAVATION	0 x 1.30 = 0
TOTAL WASTE MATERIAL TO BE UTILIZED	0 x 0.90 = 0

TOTAL AVAILABLE EXCAVATION 1941

BORROW NEEDED = TOTAL FILL (-) TOTAL AVAILABLE EXCAVATION 0

IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION (-) TOTAL FILL, (+) TOTAL WASTE MATERIAL TO BE WASTED 1862

SURPLUS MATERIAL 1862 CY

GRANULAR BORROW IN LOW WET AREAS	0
GRANULAR BORROW TO MAINTAIN TRAFFIC	0
BORROW NEEDED (-) REQUIRED GRANULAR BORROW WITHIN FILL	0

COMMON BORROW 0 CY

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DATE	BY	DATE	DATE
	TCL	MFC	05/22	MFC	07/22	
	DESIGN-DETAILED	DESIGN-DETAILED				
	REVISIONS 1	REVISIONS 2				
	REVISIONS 3	REVISIONS 4				
	FIELD CHANGES					

AUBURN  
MILL, MAIN AND BROAD STREETS  
CONSTRUCTION NOTES

SHEET NUMBER

10

OF 49



Date: 5/27/2022

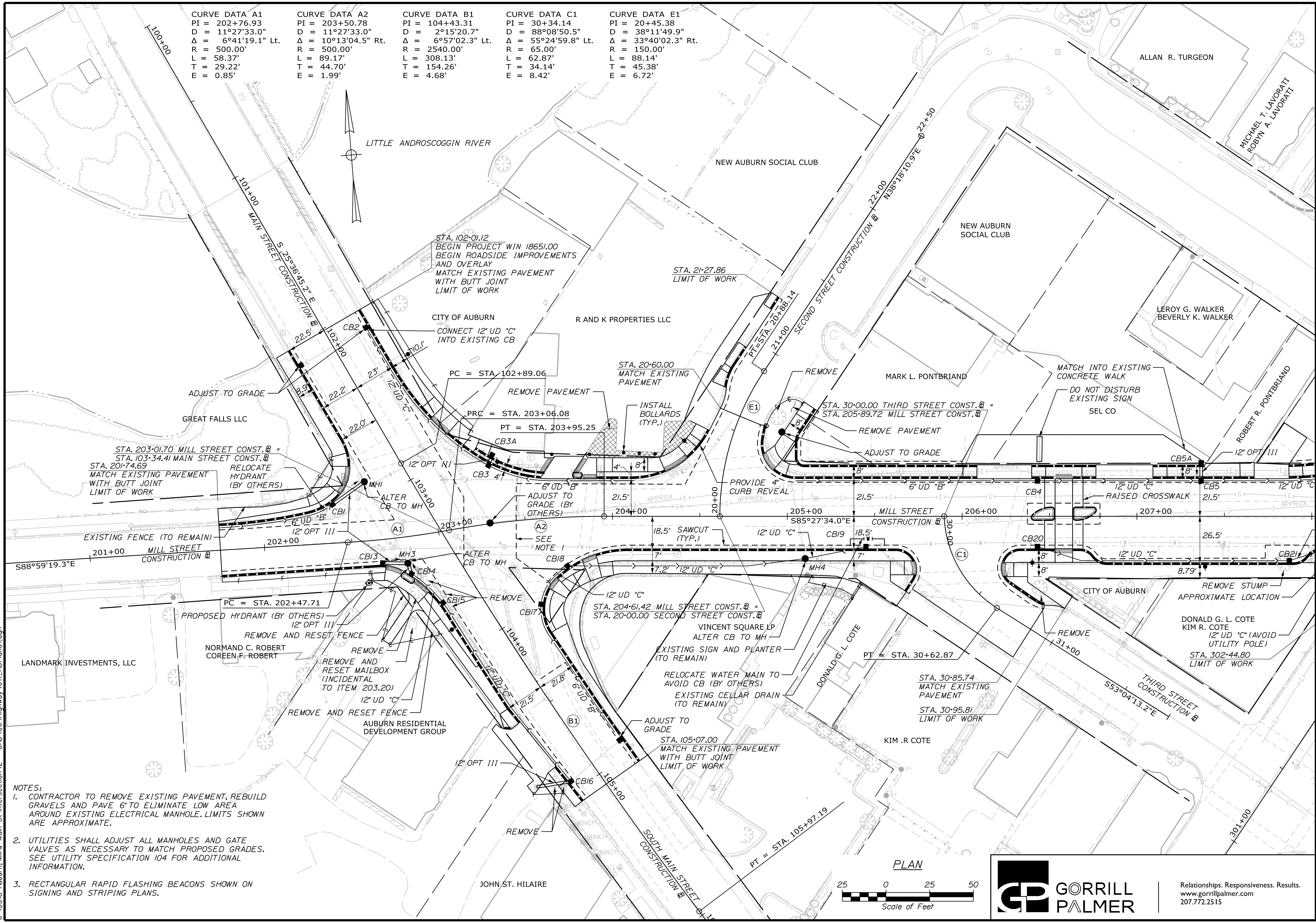
Username: Mike.Cundiff

Division: HIGHWAY

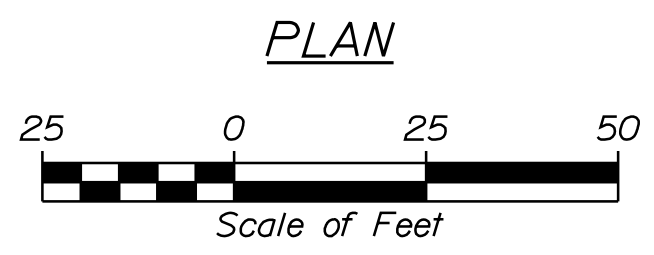
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CURVE DATA A1	CURVE DATA A2	CURVE DATA B1	CURVE DATA C1	CURVE DATA E1
PI = 202+76.93	PI = 203+50.78	PI = 104+43.31	PI = 30+34.14	PI = 20+45.38
D = 11°27'33.0"	D = 11°27'33.0"	D = 2°15'20.7"	D = 88°08'50.5"	D = 38°11'49.9"
Δ = 6°41'19.1" Lt.	Δ = 10°13'04.5" Rt.	Δ = 6°57'02.3" Lt.	Δ = 55°24'59.8" Lt.	Δ = 33°40'02.3" Rt.
R = 500.00'	R = 500.00'	R = 2540.00'	R = 65.00'	R = 150.00'
L = 58.37'	L = 89.17'	L = 308.13'	L = 62.87'	L = 88.14'
T = 29.22'	T = 44.70'	T = 154.26'	T = 34.14'	T = 45.38'
E = 0.85'	E = 1.99'	E = 4.68'	E = 8.42'	E = 6.72'



- NOTES:
- CONTRACTOR TO REMOVE EXISTING PAVEMENT, REBUILD GRAVELS AND PAVE 6" TO ELIMINATE LOW AREA AROUND EXISTING ELECTRICAL MANHOLE. LIMITS SHOWN ARE APPROXIMATE.
  - UTILITIES SHALL ADJUST ALL MANHOLES AND GATE VALVES AS NECESSARY TO MATCH PROPOSED GRADES. SEE UTILITY SPECIFICATION 104 FOR ADDITIONAL INFORMATION.
  - RECTANGULAR RAPID FLASHING BEACONS SHOWN ON SIGNING AND STRIPING PLANS.



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60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
DESIGN-REVIEWED		DGE	
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
MILL, MAIN AND BROAD STREETS  
GENERAL PLANS

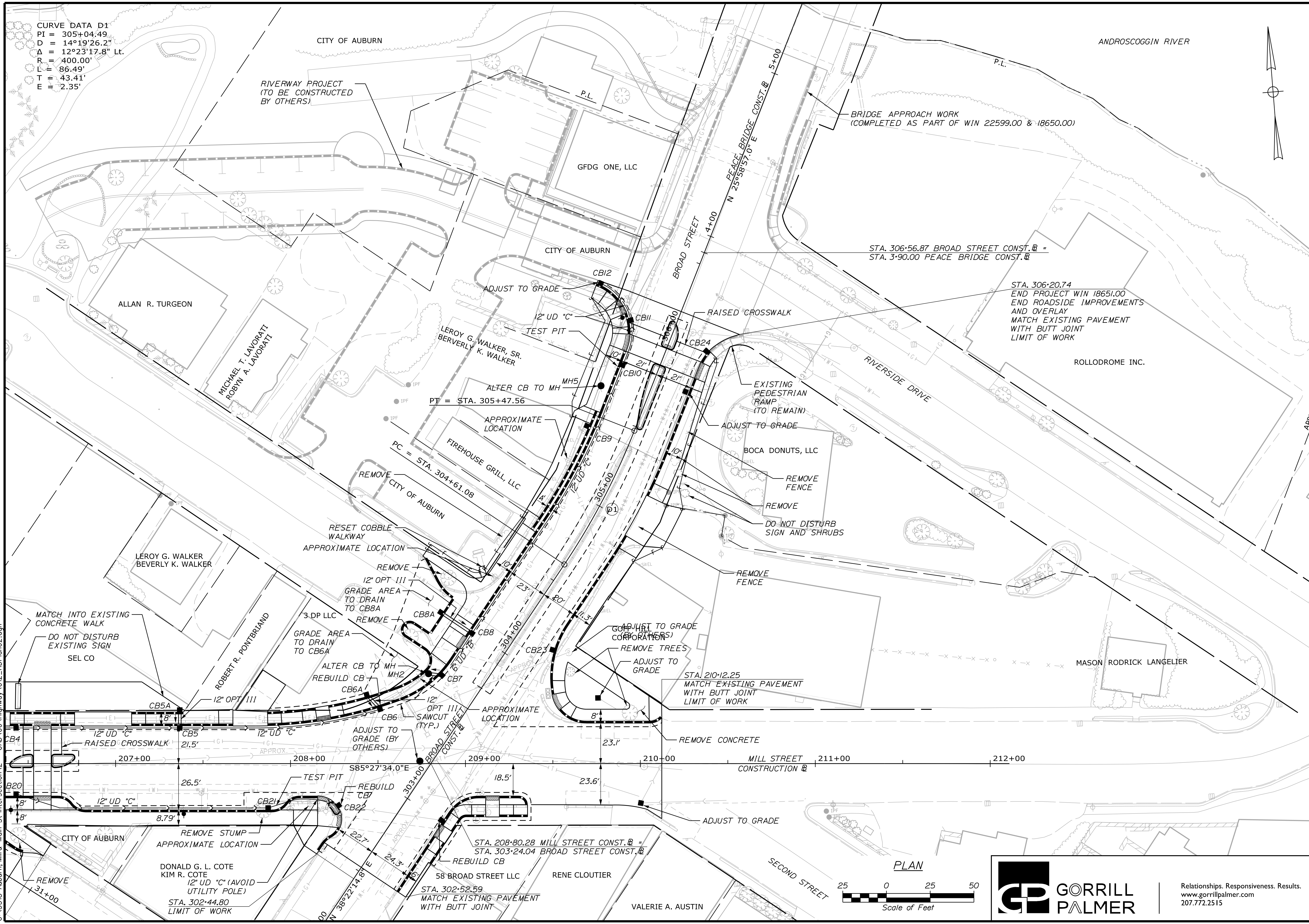
SHEET NUMBER

11

OF 49



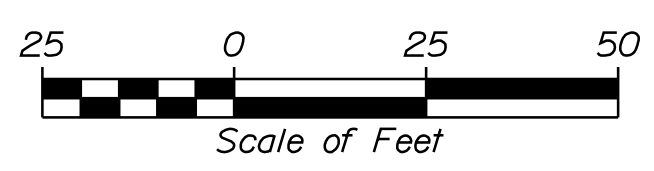
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 Division: HIGHWAY  
 Username: Mike.Cundiff  
 Date: 5/27/2022



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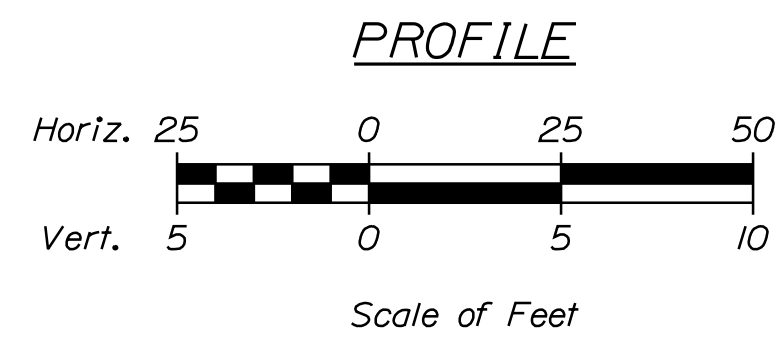
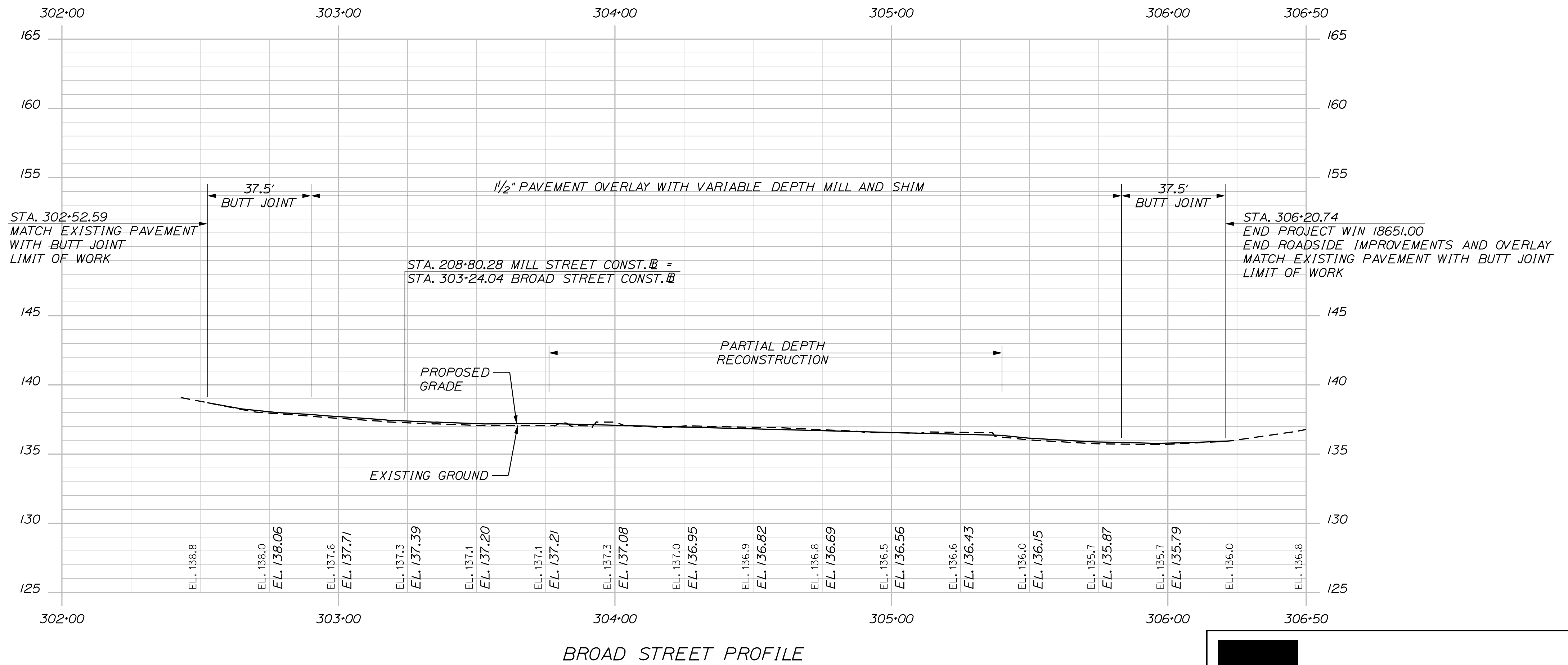


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<b>AUBURN          MILL, MAIN AND BROAD STREETS</b>		<b>GENERAL PLANS</b>
SHEET NUMBER <span style="font-size: 2em; font-weight: bold;">12</span>		OF 49
CITY OF AUBURN 60 COURT STREET AUBURN, MAINE 04210		WIN 18651.00
PROJ. MANAGER BIKEEZER T/C/L MFC	CHECKED-REVIEWED DGE DESIGNS/DETAILS REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	DATE 05/22 05/22 SIGNATURE P.E. NUMBER DATE





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60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

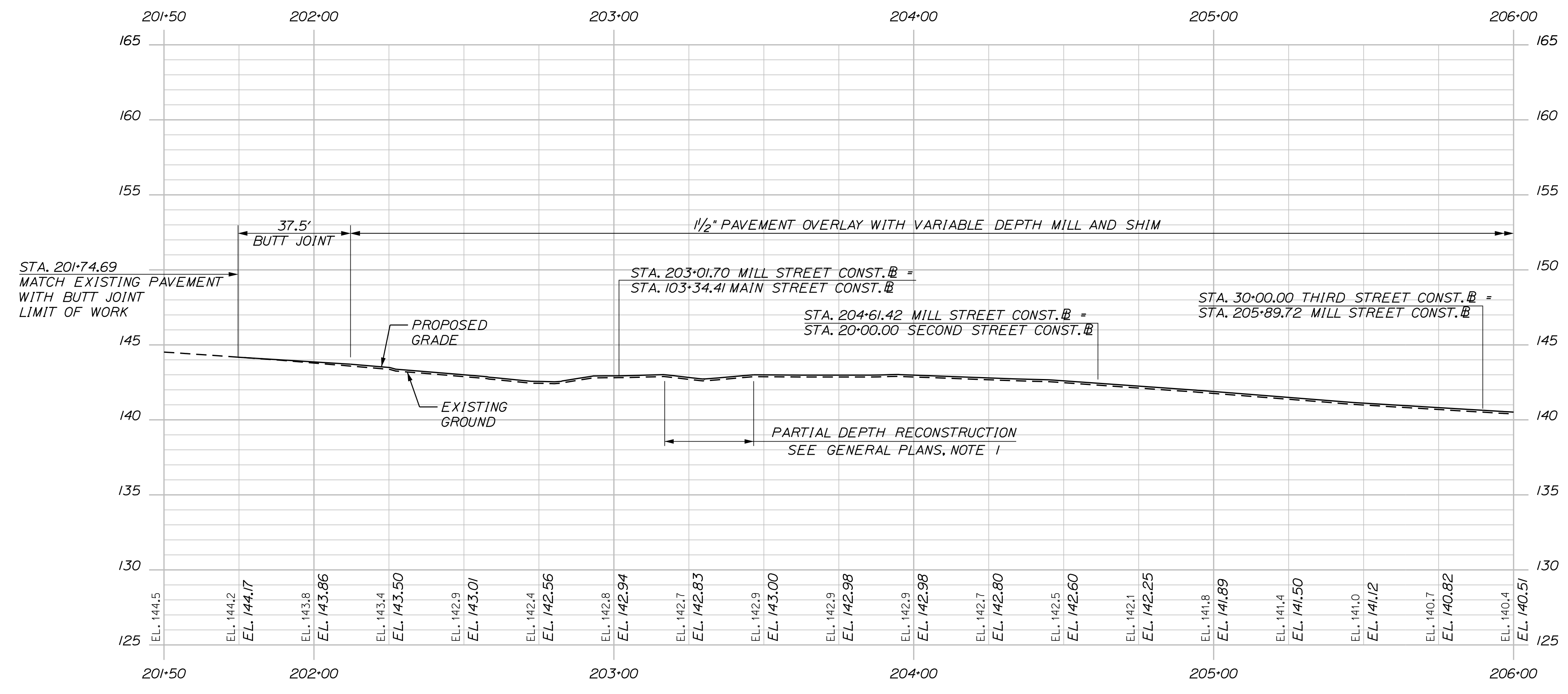
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DESIGN-DETAILED	TCL	MPC	05/22
CHECKED-REVIEWED	DGE		05/22
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DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
MILL, MAIN AND BROAD STREETS  
PROFILES

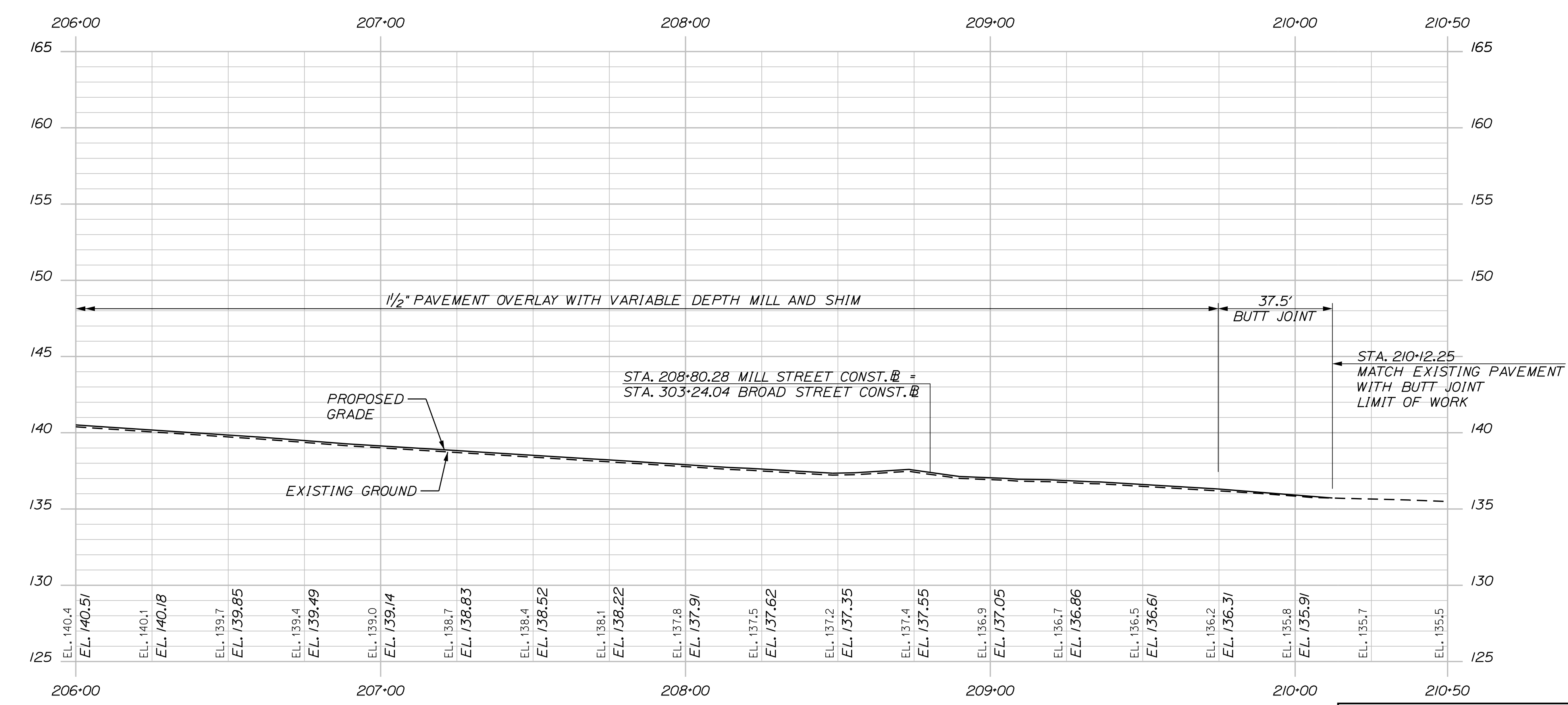
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13

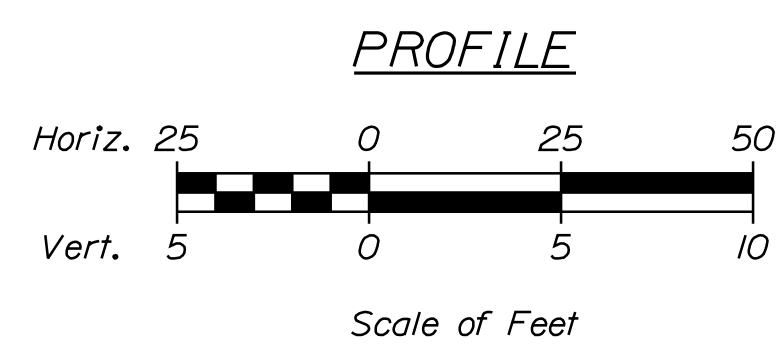
OF 49



MILL STREET PROFILE



MILL STREET PROFILE



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CITY OF AUBURN  
 60 COURT STREET  
 AUBURN, MAINE 04210

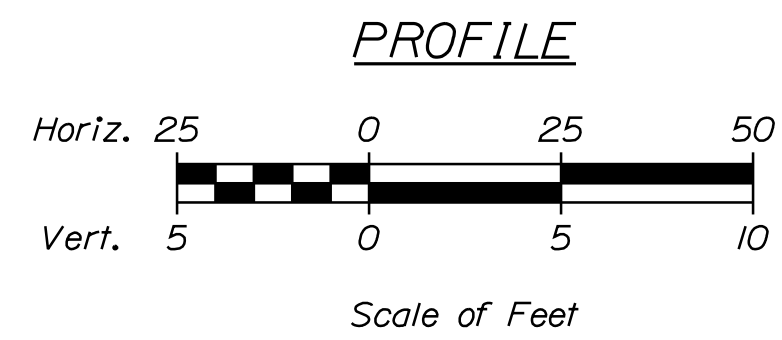
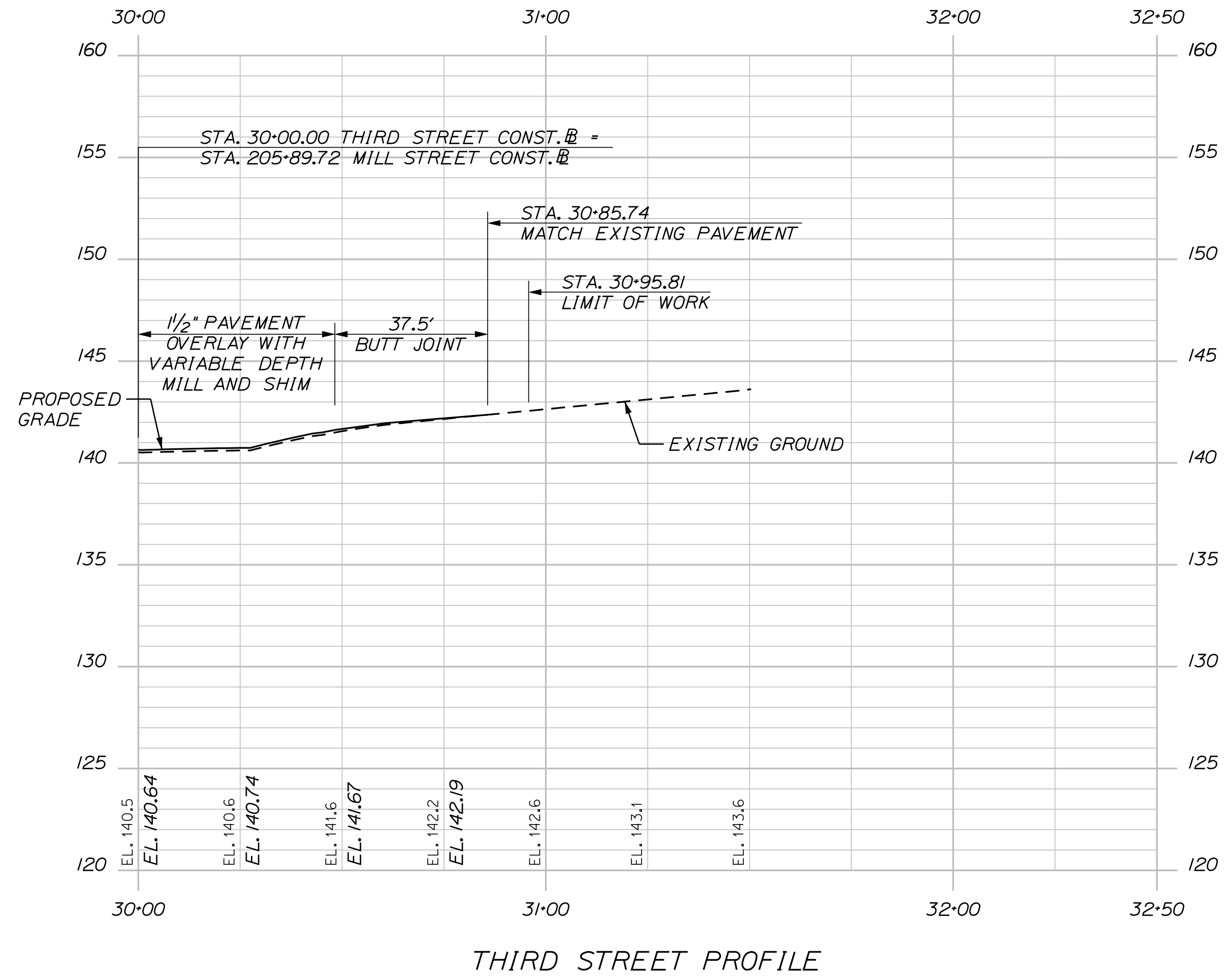
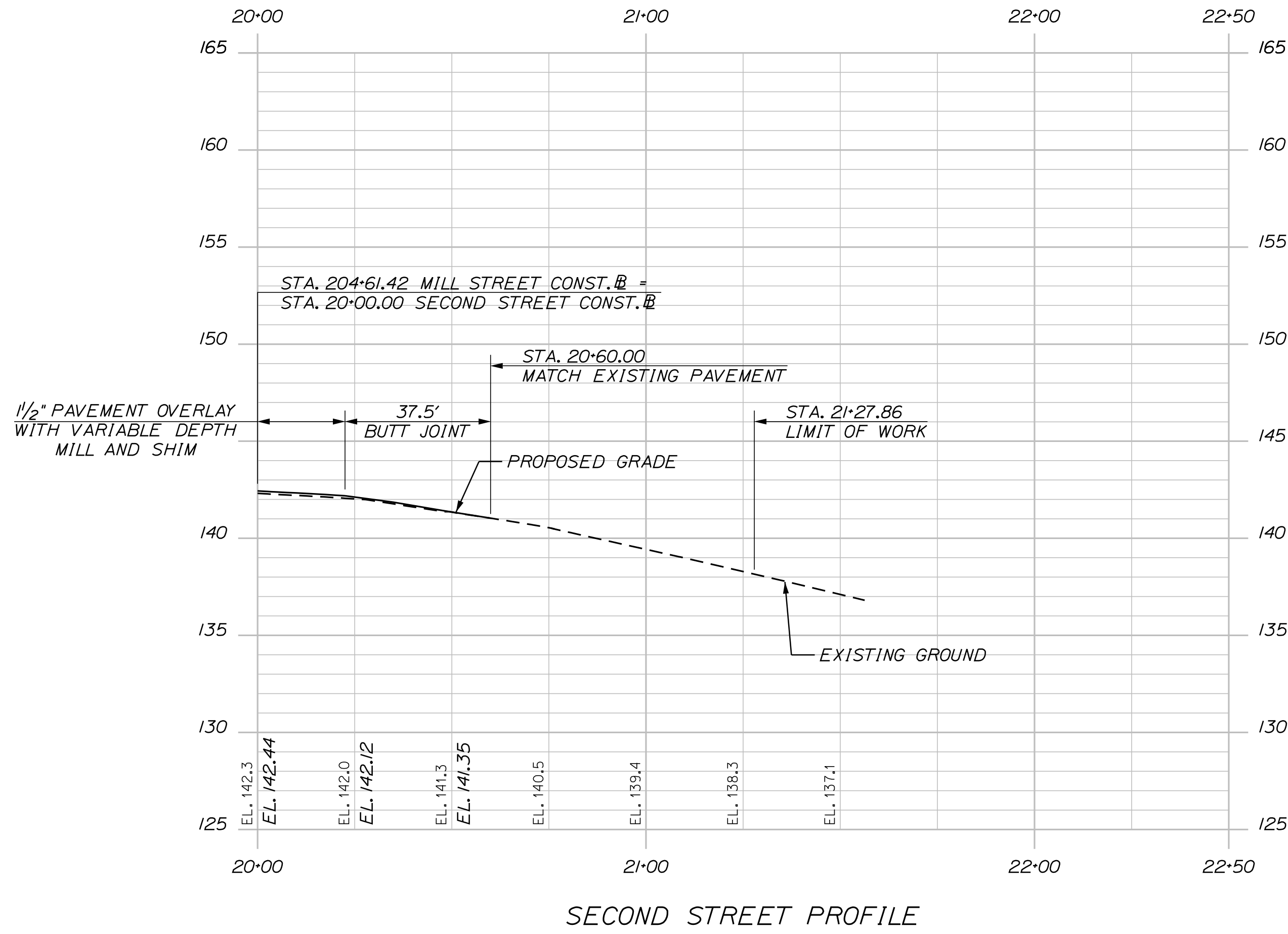
WIN  
 18651.00

PROJ. MANAGER	BIKEEZER	BY	DATE
DESIGN-DETAILED	TCL	MPC	05/22
CHECKED-REVIEWED	DGE		05/22
DESIGNS-DETAILED			
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
 MILL, MAIN AND BROAD STREETS  
 PROFILES

SHEET NUMBER

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AUBURN  
MILL, MAIN AND BROAD STREETS  
PROFILES

SHEET NUMBER

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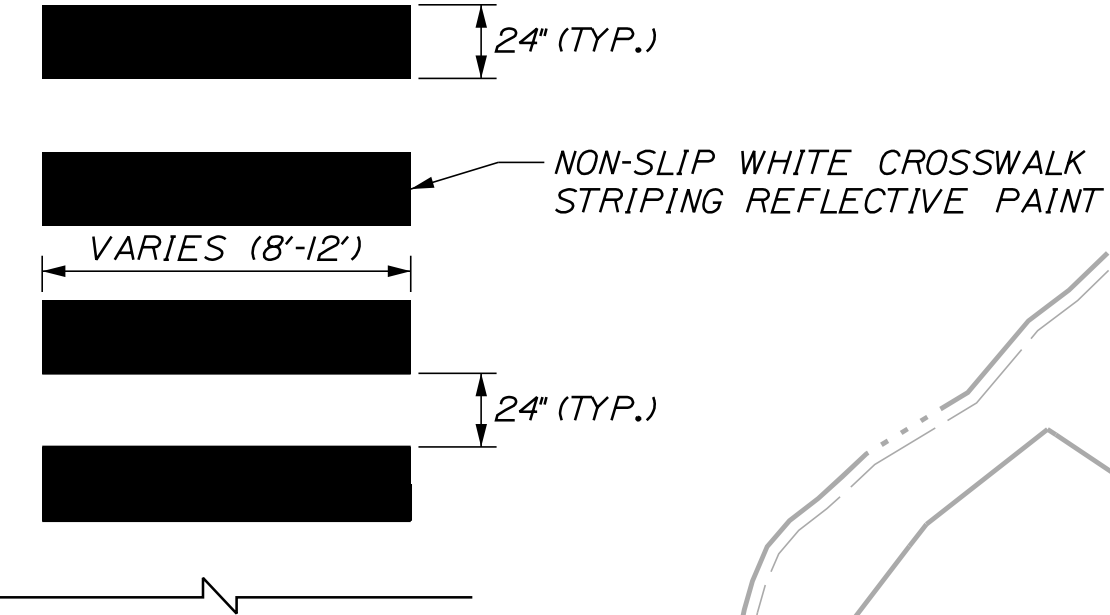
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CHECKED/REVIEWED	DGE		05/22
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REVISIONS 1			P.E. NUMBER
REVISIONS 2			DATE
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

**LEGEND**

DSYL	4" DOUBLE SOLID YELLOW LINE
SYLL	4" SOLID YELLOW LANE LINE
SWLL	4" SOLID WHITE LANE LINE
DW	4" DOTTED WHITE LINE (2' LINE WITH 6' GAP)
DWL	4" DOTTED WHITE LINE (3' LINE WITH 9' GAP)
SL	STOP LINE (24" WIDE)
CW	CROSSWALK (2' LONG X 8'-12" WIDE BARS SPACED 4' O.C.)
RRFB	RECTANGULAR RAPID FLASHING BEACON



**CROSSWALK STRIPING DETAIL**  
NOT TO SCALE

**NOTES:**

1. ALL PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED SHALL BE REMOVED IN ACCORDANCE WITH MAINE DOT SPECIFICATIONS.
2. ALL PROPOSED WORK SHALL BE IN CONFORMANCE WITH THE "MANUAL ON STANDARD HIGHWAY SIGNS", U.S.D.O.T., F.H.W.A., LATEST EDITION.
3. REMOVAL OF EXISTING ROADSIDE SIGNS AND RELOCATION OF ROADSIDE SIGNS/POSTS, SHALL BE CONSIDERED INCIDENTAL TO THE 645 PAY ITEMS.
4. PROPOSED STRIPING AND SIGN LOCATIONS, OFFSETS, AND HEIGHT SHALL BE IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (M.U.T.C.D.), LATEST EDITION, AS APPROVED BY THE RESIDENT.

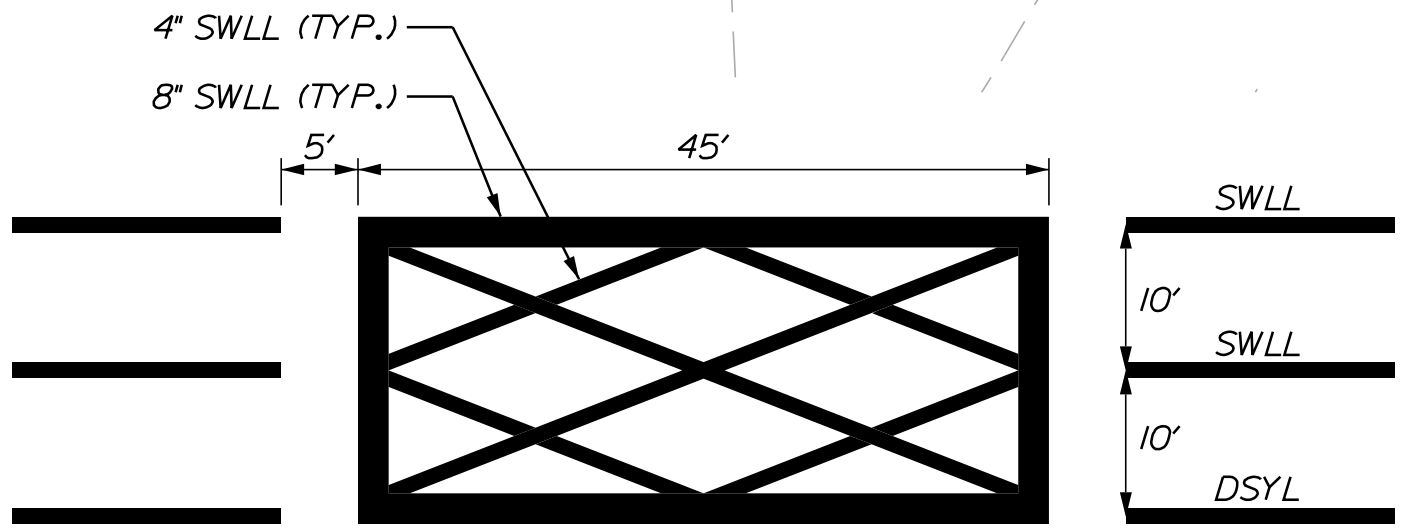
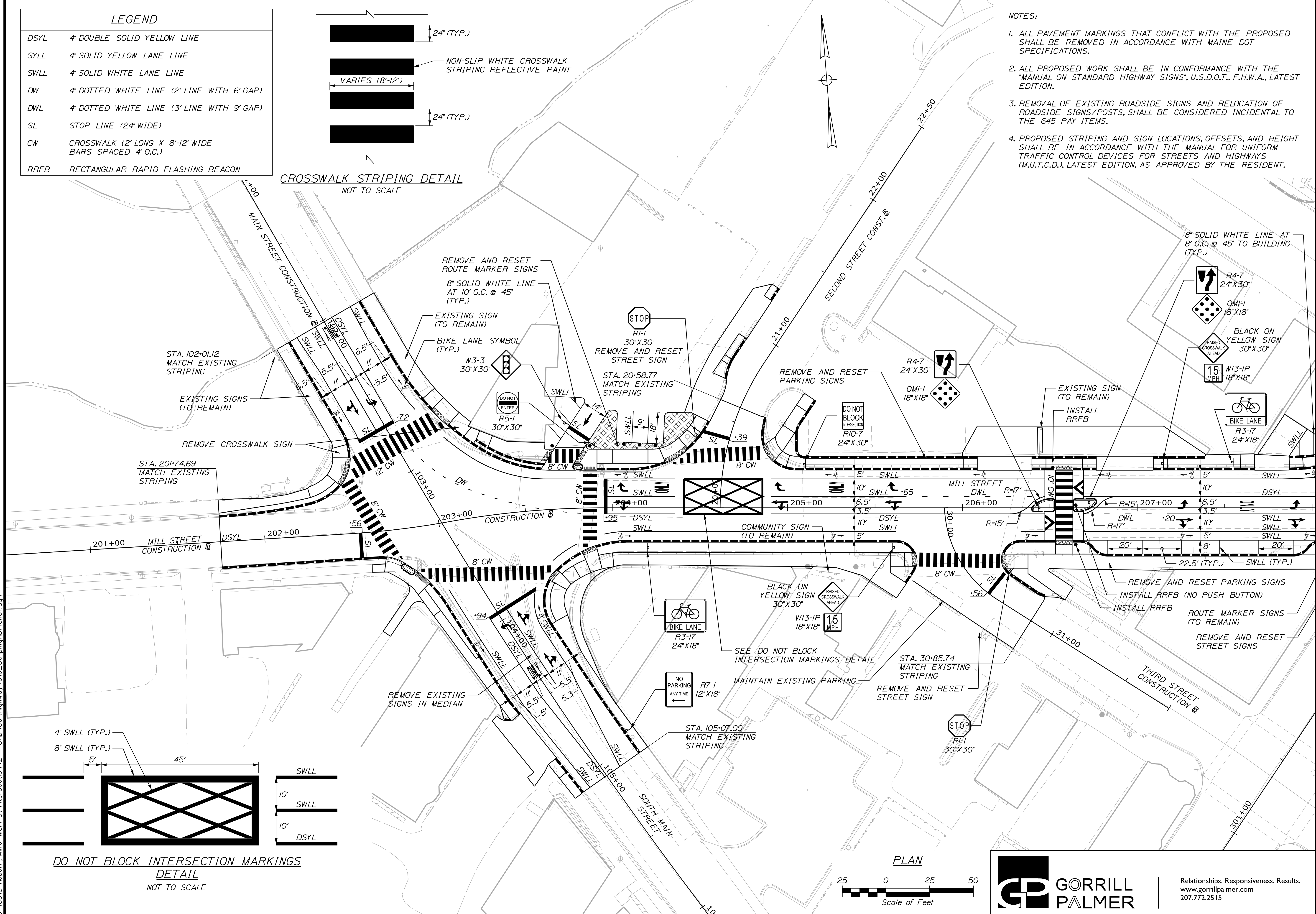
Date: 5/27/2022

Username: Mike.Cundiff

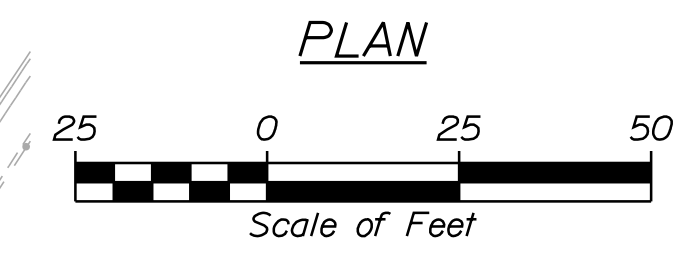
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**DO NOT BLOCK INTERSECTION MARKINGS DETAIL**  
NOT TO SCALE



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60 COURT STREET  
AUBURN, MAINE 04210  
WIN 18651.00

DATE	BY	REVISION	DESCRIPTION
05/22	MPC	1	DESIGN DETAILED
05/22	DGE	2	CHECKED/REVIEWED
		3	DESIGNS DETAILED
		4	DESIGNS DETAILED
		5	REVISIONS 1
		6	REVISIONS 2
		7	REVISIONS 3
		8	REVISIONS 4
			FIELD CHANGES

AUBURN  
MILL, MAIN AND BROAD STREETS  
SIGNING & STRIPING PLANS

SHEET NUMBER

16

OF 49



Date: 5/27/2022

Username: Mike.Cundiff

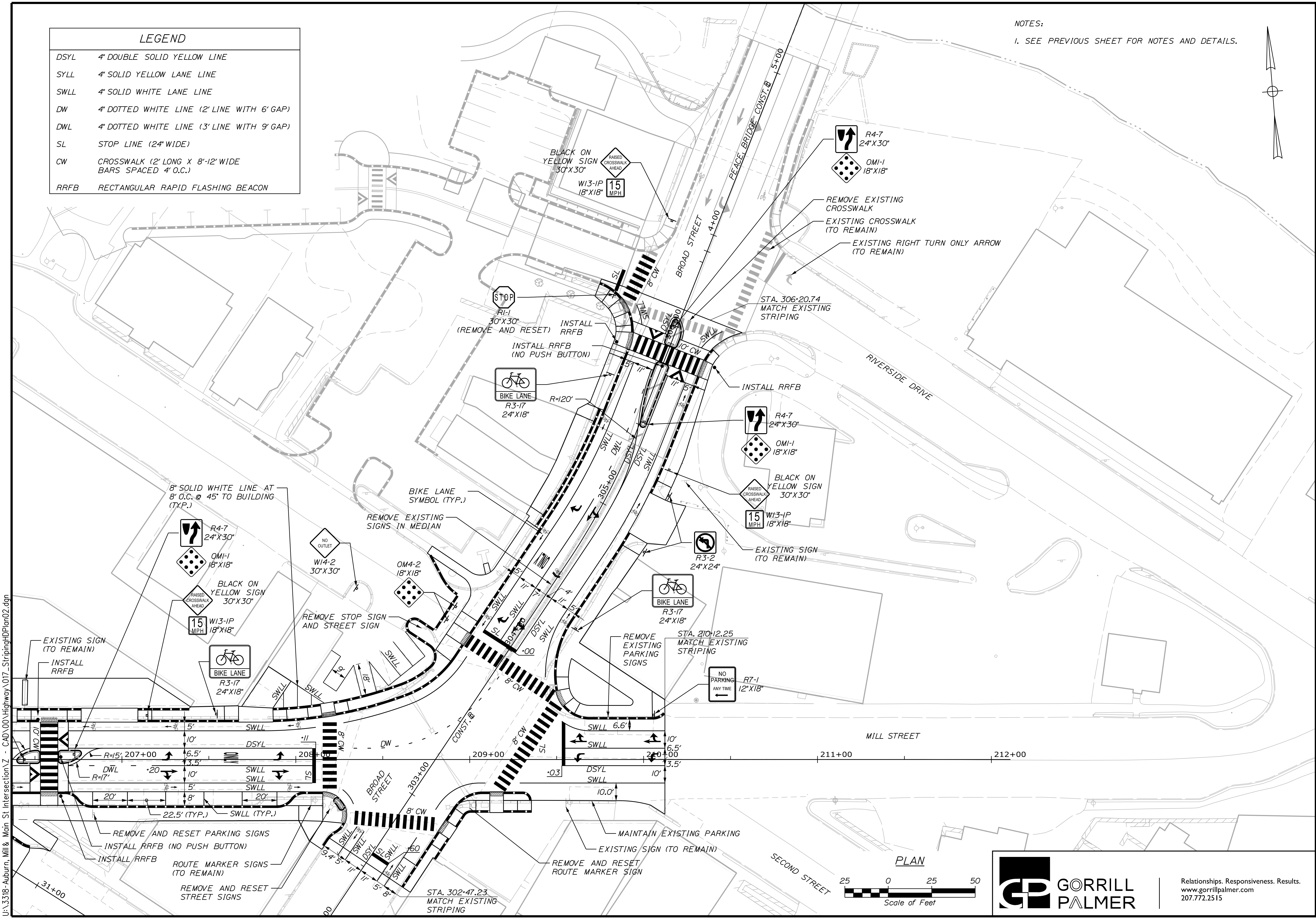
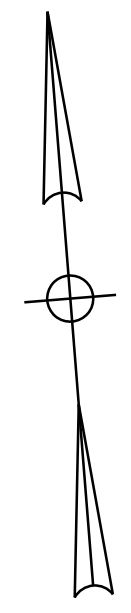
Division: HIGHWAY

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LEGEND	
DSYL	4" DOUBLE SOLID YELLOW LINE
SYLL	4" SOLID YELLOW LANE LINE
SWLL	4" SOLID WHITE LANE LINE
DW	4" DOTTED WHITE LINE (2' LINE WITH 6' GAP)
DWL	4" DOTTED WHITE LINE (3' LINE WITH 9' GAP)
SL	STOP LINE (24" WIDE)
CW	CROSSWALK (2' LONG X 8'-12" WIDE BARS SPACED 4" O.C.)
RRFB	RECTANGULAR RAPID FLASHING BEACON

NOTES:  
 1. SEE PREVIOUS SHEET FOR NOTES AND DETAILS.

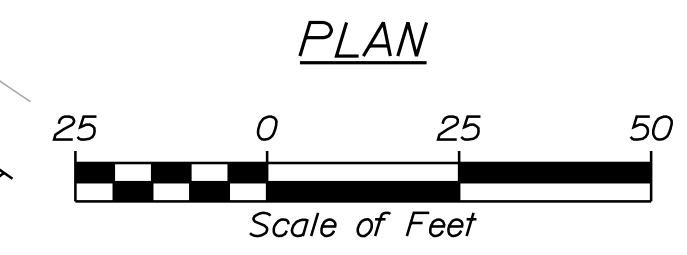


CITY OF AUBURN  
 60 COURT STREET  
 AUBURN, MAINE 04210  
 WIN  
 18651.00

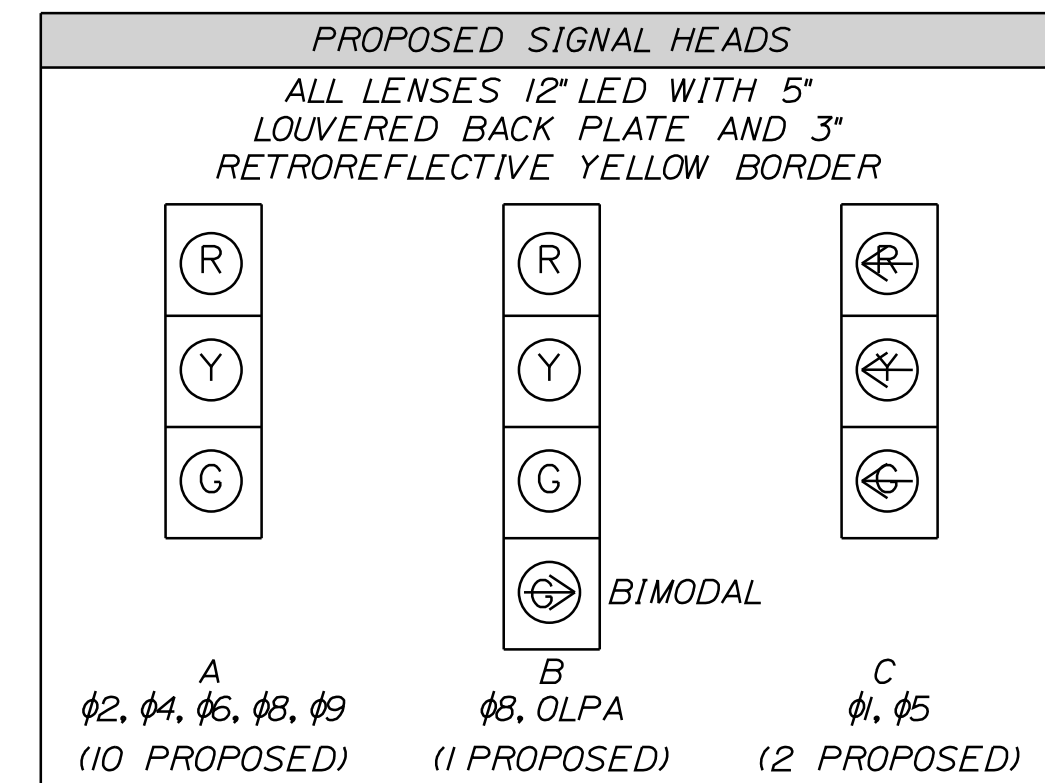
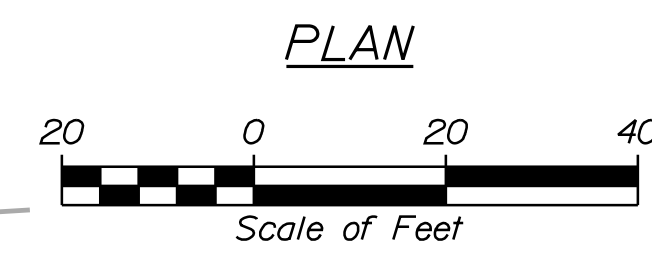
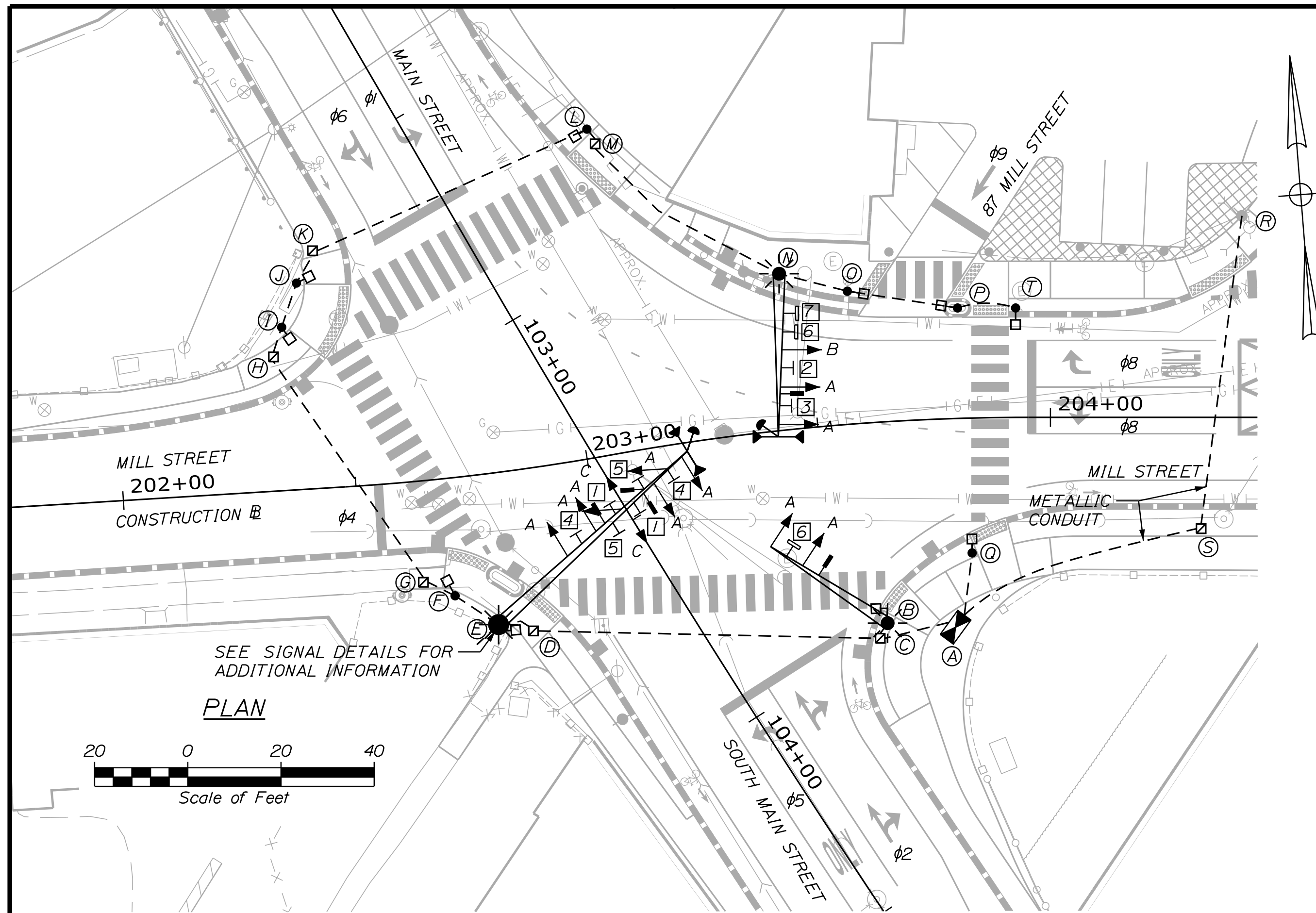
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TCL	05/22	MPC	05/22
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DESIGNED		DESIGNED	
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
 MILL, MAIN AND BROAD STREETS  
 SIGNING & STRIPING PLANS

SHEET NUMBER  
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 OF 49

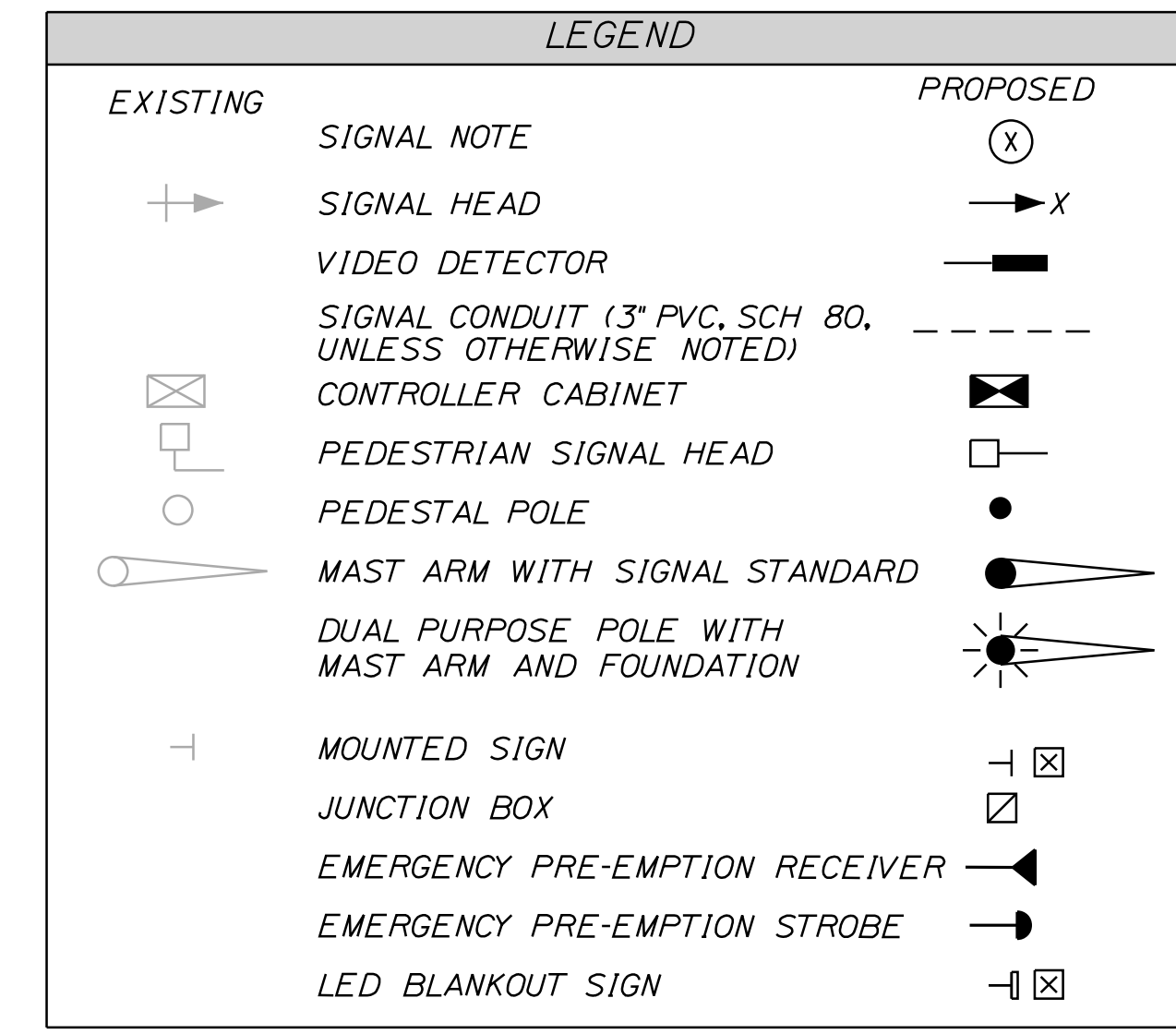


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**DAILY AND WEEKLY COORDINATION PROGRAM**

	MON-FRI	SATURDAY	SUNDAY
PLAN 1 SECOND CYCLE	6:30 AM - 5:30 PM		
PLAN 2 SECOND CYCLE			
PLAN 3 SECOND CYCLE			
FREE OPERATION	5:30 PM - 6:30 AM	ALL DAY	ALL DAY



**COORDINATION CYCLE/OFFSET/SPLIT DATA**

	PLAN 1	PLAN 2	PLAN 3
CYCLE LENGTH	120	-	-
OFFSET	0	-	-
YIELD POINT	-	-	-
RELEASE HOLD	-	-	-
SPLIT TIME $\phi 1$	47	-	-
SPLIT TIME $\phi 2$	27	-	-
SPLIT TIME $\phi 3$	-	-	-
SPLIT TIME $\phi 4$	35	-	-
SPLIT TIME $\phi 5$	11	-	-
SPLIT TIME $\phi 6$	6.3	-	-
SPLIT TIME $\phi 7$	-	-	-
SPLIT TIME $\phi 8$	35	-	-
SPLIT TIME $\phi 9$	11	-	-

**SIGNAL TIMING SCHEDULE - FREE PLAN**

TIMING IN SECONDS	$\phi 1$	$\phi 2$	$\phi 3$	$\phi 4$	$\phi 5$	$\phi 6$	$\phi 7$	$\phi 8$	$\phi 9$
INITIAL INTERVAL	5	10	-	5	5	10	-	5	5
VEHICAL EXTENSION	3	3	-	3	3	3	-	3	3
MAXIMUM I	35	35	-	30	10	50	-	30	10
MAXIMUM II	-	-	-	-	-	-	-	-	-
YELLOW	3	3	-	3	3	3	-	3	3
ALL RED	3	3	-	3	3	3	-	3	2
WALK/ DON'T WALK	-	5	-	5	-	5	-	5	-
PEDESTRIAN CLEARANCE	-	16	-	24	-	16	-	20	*
FLASH	-	-	-	-	-	-	-	-	-
RECALL	SOFT	-	-	-	-	-	-	-	-
DETECTOR	PR	PR	-	PR	PR	PR	-	PR	PR

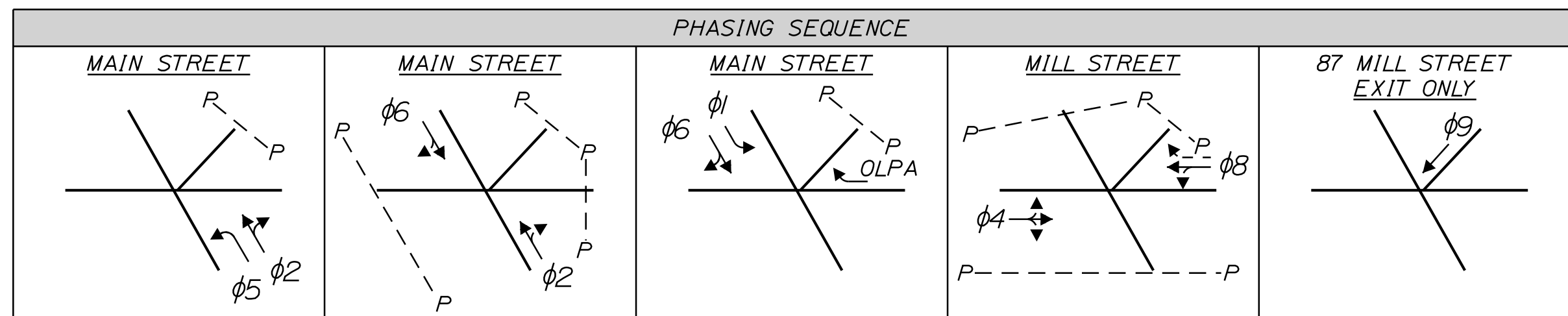
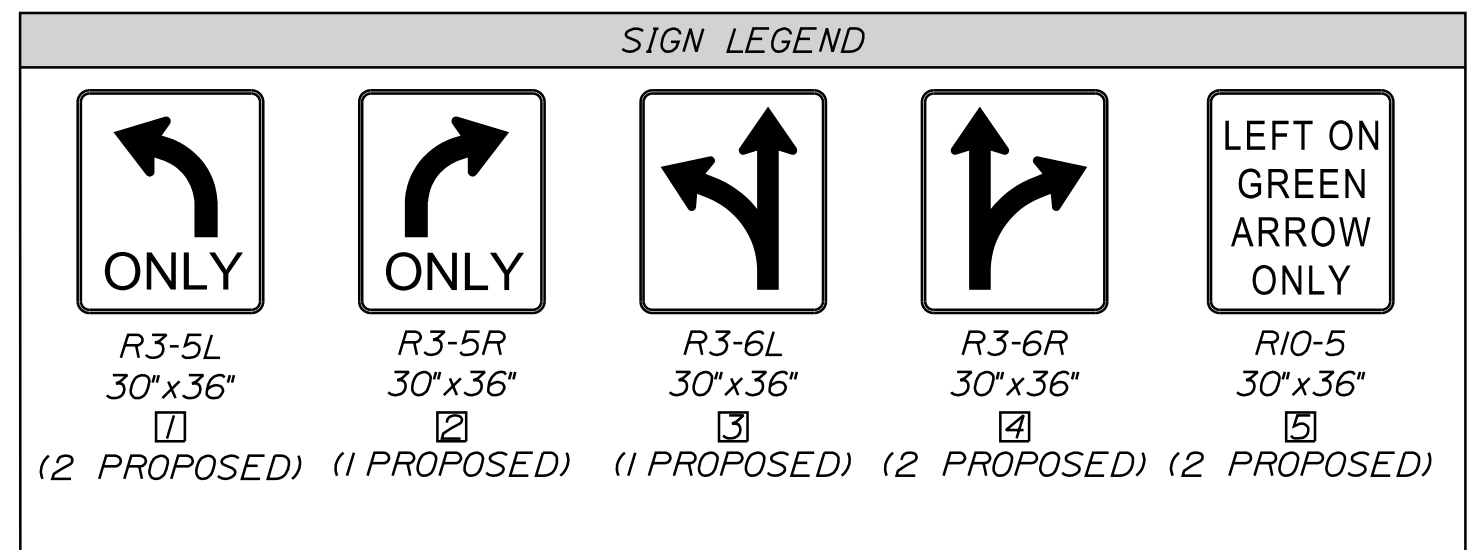
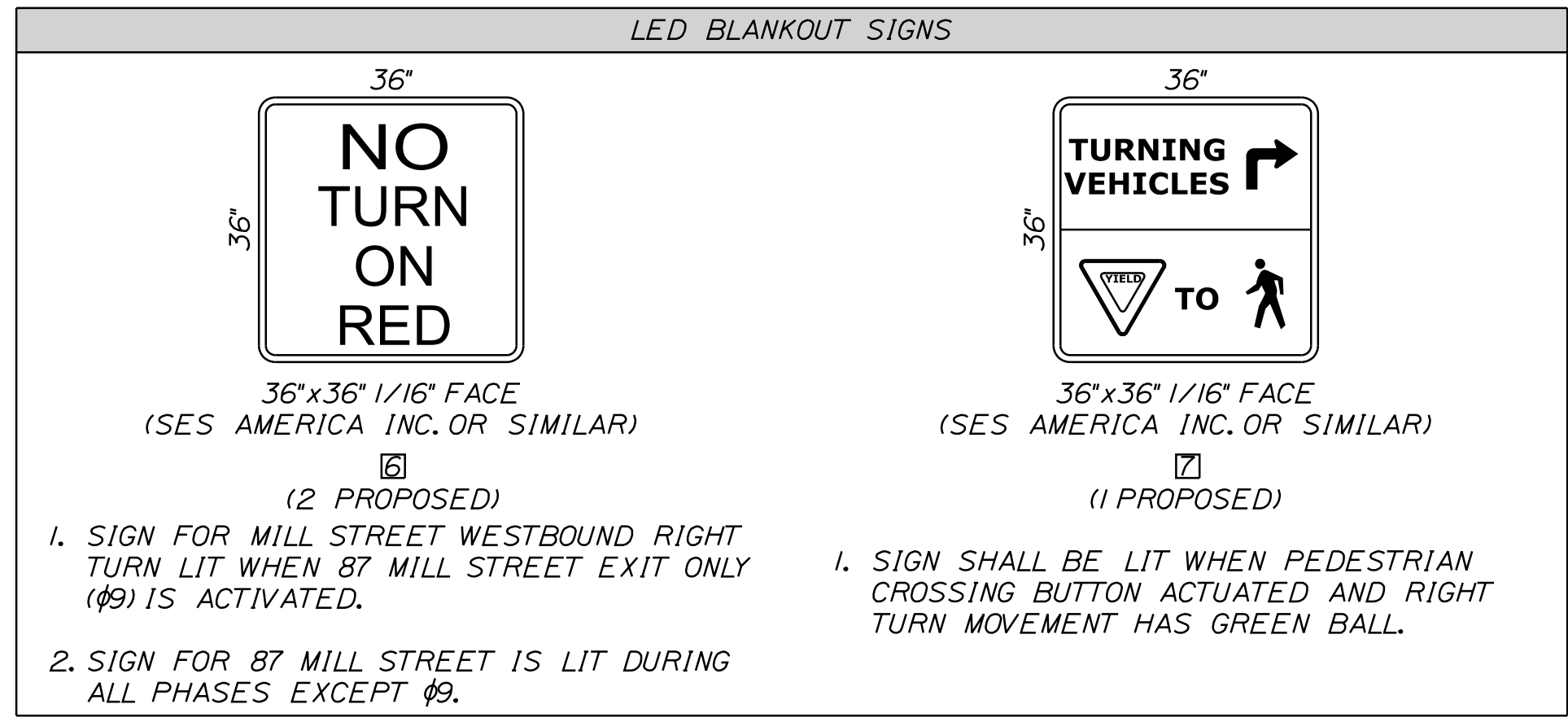
OFFSETS REFERENCED TO BEGINNING OF  $\phi 1$  YELLOW YELLOW FORCE OFF AUTOMATICALLY DETERMINED BY MASTER CONTROLLER

**EQUIPMENT SCHEDULE**

DESIGNATION	ITEM	DESCRIPTION	LOCATION *
A	NEW CONTROLLER AND CABINET	INSTALL NEW ATC CONTROLLER AND ATC CONTROLLER CABINET ON NEW FOUNDATION.	STA. 203-78.08, 44.78' RT.
B	DUAL PURPOSE POLE WITH 30' MAST ARM AND FOUNDATION	OVERHEAD ILLUMINATION, VIDEO DETECTION, SIGNAL HEADS, LED BLANKOUT SIGN, PEDESTRIAN COUNTDOWN HEAD, SIGN AND PUSH BUTTON ON NEW FOUNDATION.	STA. 203-62.16, 43.18' RT.
C D G H K M S	JUNCTION BOX	INSTALL JUNCTION BOX	STA. 203-60.19, 46.32' RT. STA. 202-83.64, 34.75' RT. STA. 202-62.55, 21.71' RT. STA. 202-34.04, 28.78' LT. STA. 202-43.81, 51.01' LT. STA. 203-12.80, 66.40' LT. STA. 204-32.33, 23.91' RT.
E	DUAL PURPOSE POLE WITH 55' MAST ARM AND FOUNDATION	OVERHEAD ILLUMINATION, VIDEO DETECTION, EMERGENCY PRE-EMPTION, SIGNAL HEADS, OVERHEAD LANE USE SIGNS, PEDESTRIAN COUNTDOWN HEAD, SIGN AND PUSH BUTTON ON NEW FOUNDATION.	STA. 202-76.86, 32.46' RT.
F I J L O P Q T	PEDESTAL POLE	INSTALL NEW 10' PEDESTAL POLE, PEDESTRIAN COUNTDOWN HEAD, SIGN AND PUSH BUTTON ON NEW 24" FOUNDATION.	STA. 202-68.75, 25.26' RT. STA. 202-36.20, 35.03' LT. STA. 202-39.94, 44.30' LT. STA. 203-11.71, 69.80' LT. STA. 203-58.46, 28.51' LT. STA. 203-80.73, 23.70' LT. STA. 203-58.46, 28.51' LT. STA. 203-92.63, 23.49' LT.
N	DUAL PURPOSE POLE WITH 35' MAST ARM AND FOUNDATION	OVERHEAD ILLUMINATION, VIDEO DETECTION, EMERGENCY PRE-EMPTION, SIGNAL HEADS, OVERHEAD LANE USE SIGNS AND LED BLANKOUT SIGNS ON NEW FOUNDATION.	STA. 203-45.03, 33.52' LT.
R	PROPOSED UTILITY POLE	POWER SOURCE FOR PROPOSED CONTROLLER	STA. 204-41.09, 43.26' LT. **

\* STATION AND OFFSET INFORMATION IS APPROXIMATE AND SHOWN TO CENTER OF POLE. EQUIPMENT TO BE ADJUSTED BY RESIDENT, MAINEDOT, OR CITY AS DIRECTED.  
\*\* STATION AND OFFSET INFORMATION SHOWN TO FACE OF POLE.

NOTES:  
1. EXISTING CONDUIT NOT SHOWN.



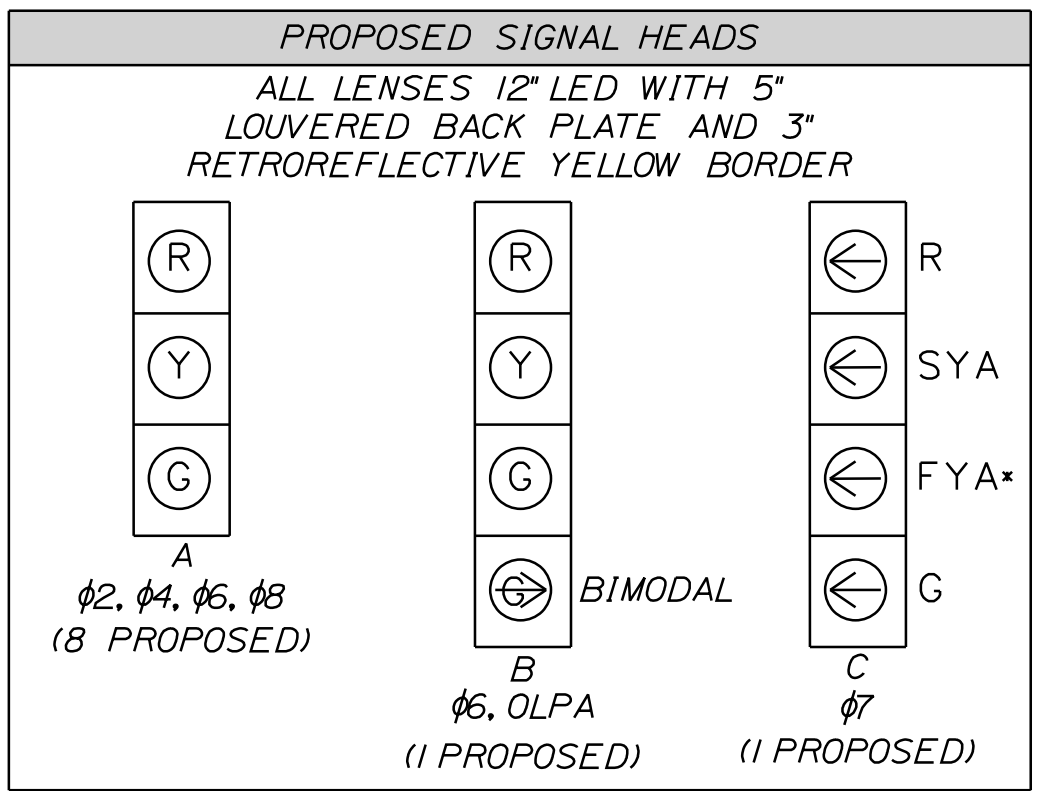
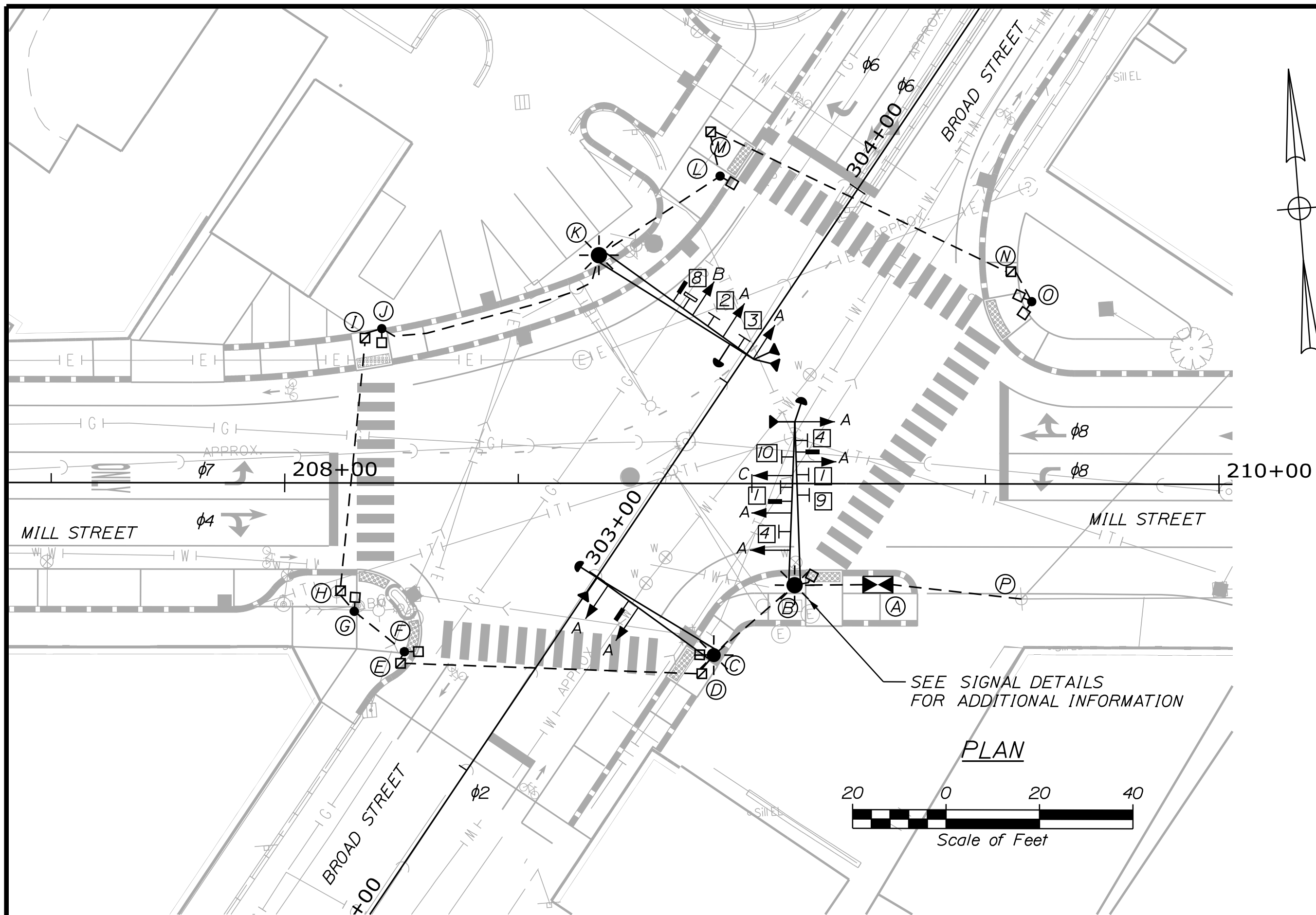
CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210  
WIN 18651.00

AUBURN  
MILL, MAIN AND BROAD STREETS  
SIGNAL PLANS

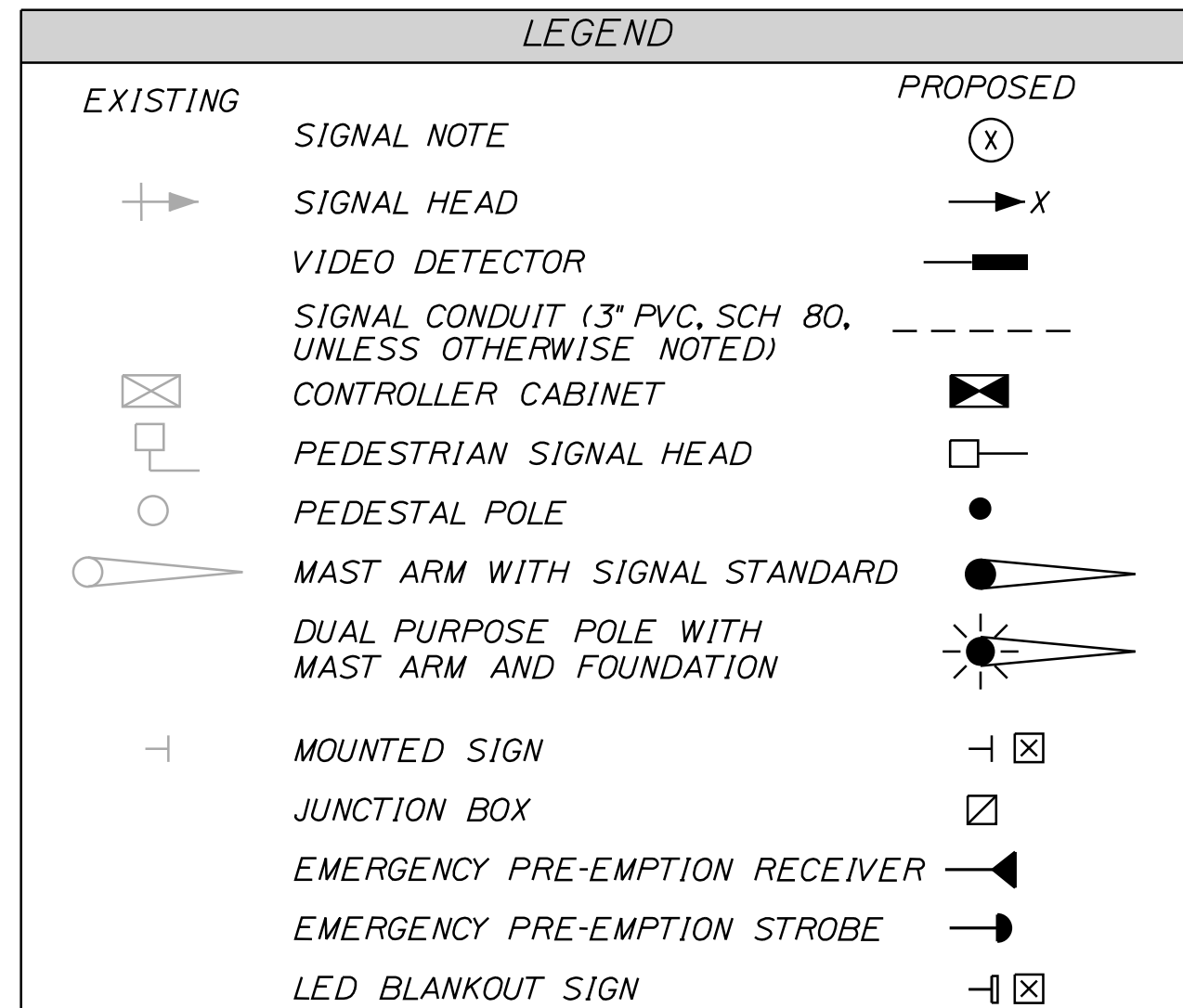
PROJ. MANAGER	DATE	BY	DATE	REVISIONS	FIELD CHANGES
TCL	05/22	MPC	07/22	1	
DESIGNED		CHECKED		2	
REVIEWED		DESIGNED		3	
REVIEWED		DESIGNED		4	
REVIEWED		DESIGNED			
REVIEWED		DESIGNED			
REVIEWED		DESIGNED			

SHEET NUMBER  
**18**  
OF 49





\* SHALL NOT BE DISPLAYED WHEN OPERATING IN THE PROTECTED ONLY PHASE  
SYA = SOLID YELLOW ARROW  
FYA = FLASHING YELLOW ARROW



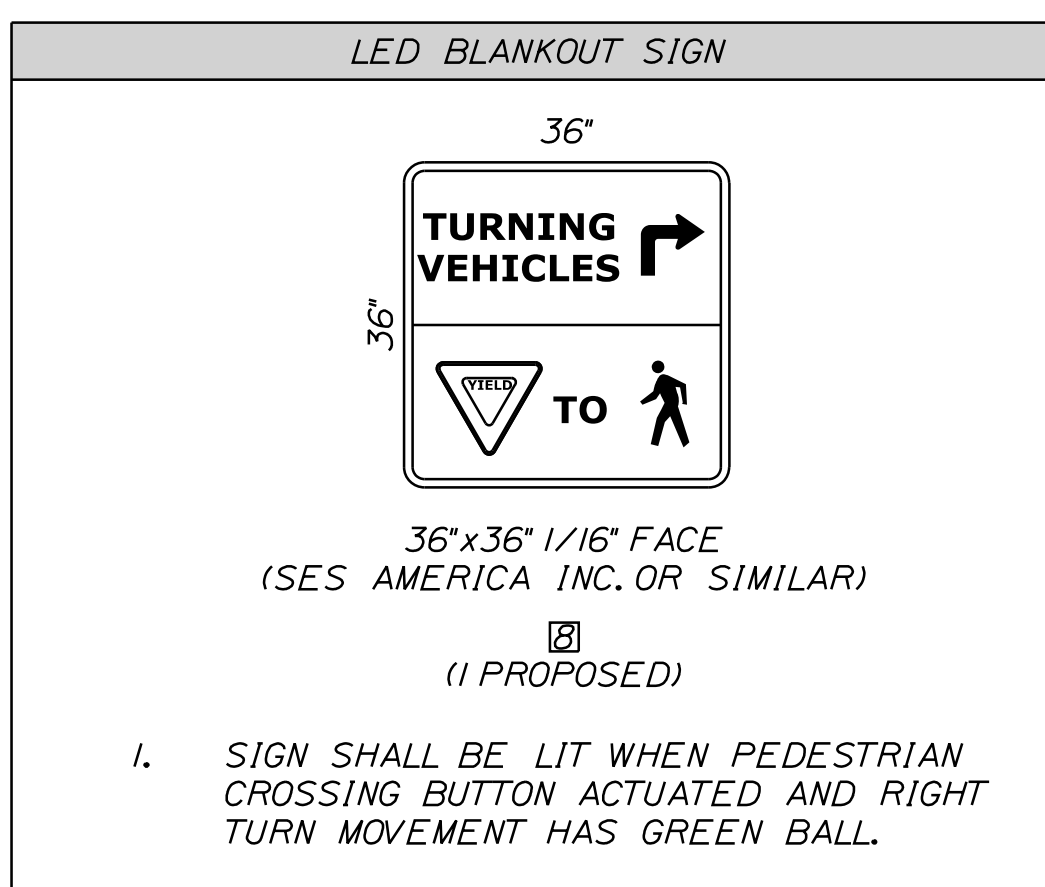
**DAILY AND WEEKLY COORDINATION PROGRAM**

	MON-FRI	SATURDAY	SUNDAY
PLAN 1	6:30 AM - 5:30 PM		
PLAN 2			
PLAN 3			
FREE OPERATION	5:30 PM - 6:30 AM	ALL DAY	ALL DAY

**CORRDINATION CYCLE/OFFSET/SPLIT DATA**

	PLAN 1	PLAN 2	PLAN 3
CYCLE LENGTH	120	-	-
OFFSET	10	-	-
YIELD POINT			
RELEASE HOLD			
SPLIT TIME $\phi 1$	-	-	-
SPLIT TIME $\phi 2$	36	-	-
SPLIT TIME $\phi 3$	-	-	-
SPLIT TIME $\phi 4$	84	-	-
SPLIT TIME $\phi 5$	-	-	-
SPLIT TIME $\phi 6$	36	-	-
SPLIT TIME $\phi 7$	48	-	-
SPLIT TIME $\phi 8$	36	-	-
SPLIT TIME $\phi 9$	-	-	-

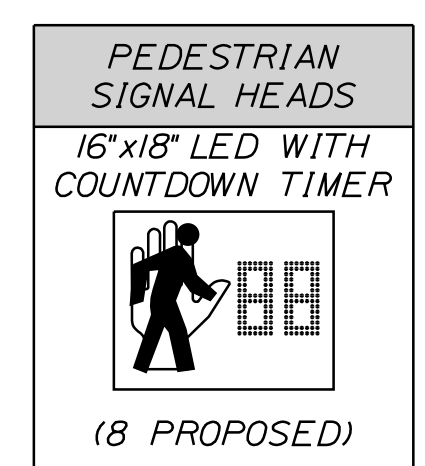
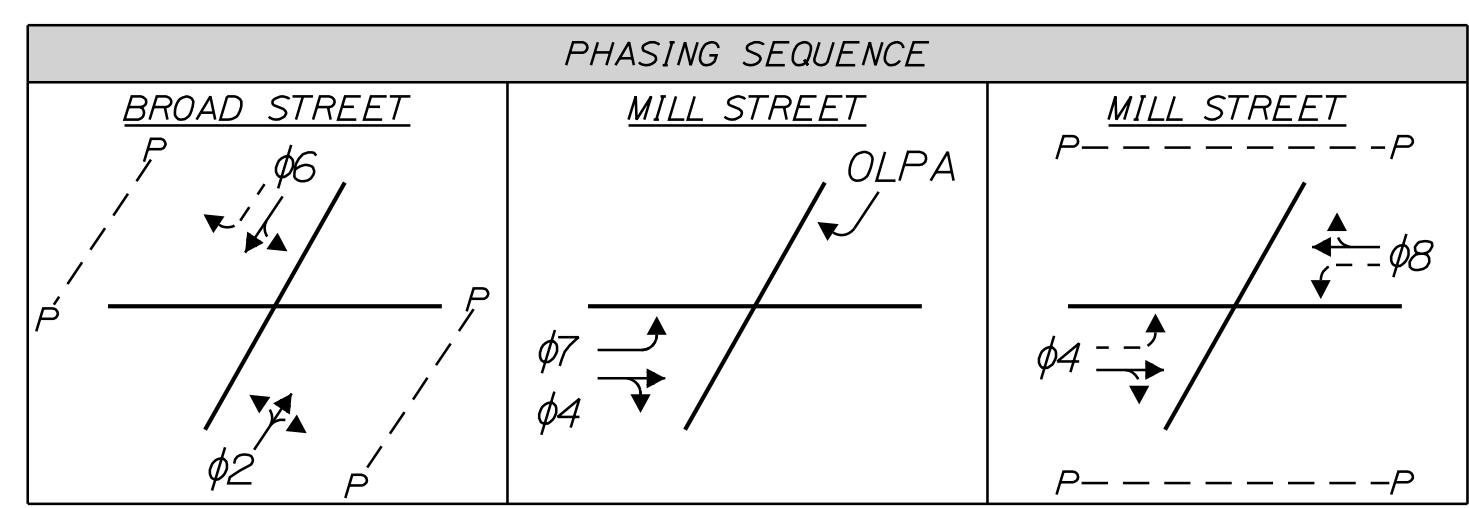
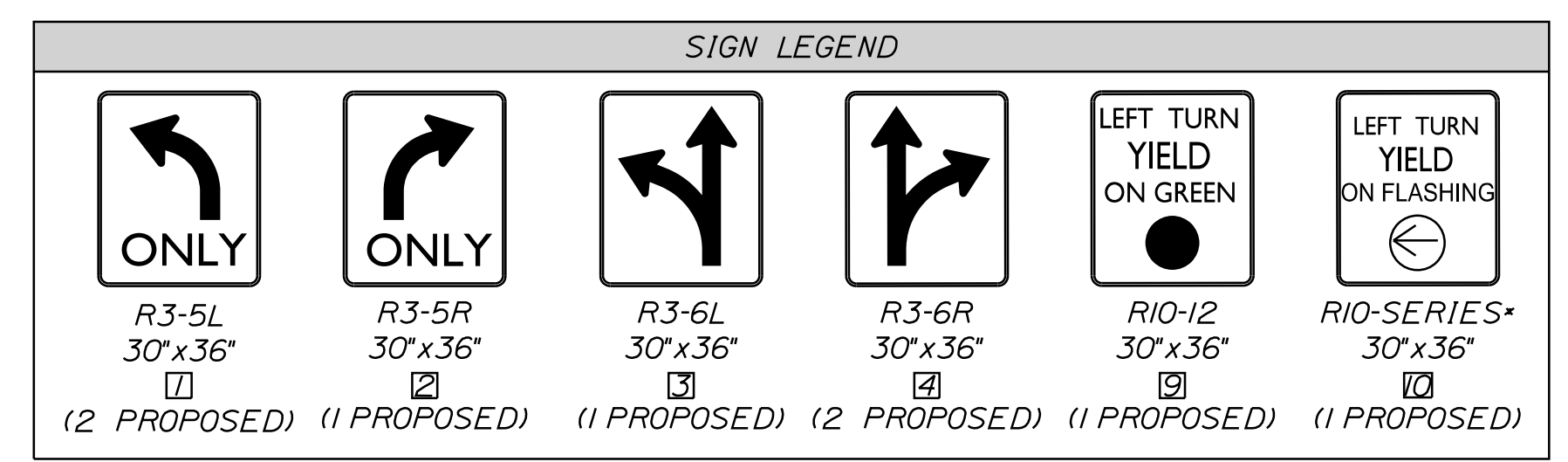
OFFSETS REFERENCED TO BEGINNING OF  $\phi 7$  YELLOW YELLOW FORCE OFF AUTOMATICALLY DETERMINED BY CONTROLLER



**SIGNAL TIMING SCHEDULE - FREE PLAN**

TIMING IN SECONDS	$\phi 1$	$\phi 2$	$\phi 3$	$\phi 4$	$\phi 5$	$\phi 6$	$\phi 7$	$\phi 8$	$\phi 9$
INITIAL INTERVAL	-	10	-	5	-	10	5	5	-
VEHICAL EXTENSION	-	3	-	3	-	3	3	3	-
MAXIMUM I	-	25	-	65	-	25	35	30	-
MAXIMUM II	-	-	-	-	-	-	-	-	-
YELLOW	-	3	-	3	-	3	3	3	-
ALL RED	-	3	-	3	-	3	3	3	-
WALK/ DON'T WALK	-	5	-	5	-	5	-	5	-
PEDESTRIAN CLEARANCE	-	17	-	16	-	13	-	17	-
FLASH	-	-	-	-	-	-	-	-	-
RECALL	-	-	-	-	-	-	SOFT	-	-
DETECTOR	-	PR	-	PR	-	PR	PR	PR	-

PR = PRESENCE DETECTOR



**EQUIPMENT SCHEDULE**

DESIGNATION	ITEM	DESCRIPTION	LOCATION *
A	NEW CONTROLLER AND CABINET	INSTALL NEW ATC CONTROLLER AND ATC CONTROLLER CABINET ON NEW FOUNDATION.	STA. 209-26.99, 21.62' RT.
B	DUAL PURPOSE POLE WITH 35' MAST ARM AND FOUNDATION	OVERHEAD ILLUMINATION, VIDEO DETECTION, EMERGENCY PRE-EMPTION, SIGNAL HEADS, OVERHEAD LANE USE SIGNS, PEDESTRIAN COUNTDOWN HEAD, SIGN AND PUSH BUTTON ON NEW FOUNDATION.	STA. 209-09.19, 21.75' RT.
C	DUAL PURPOSE POLE WITH 30' MAST ARM AND FOUNDATION	OVERHEAD ILLUMINATION, VIDEO DETECTION, EMERGENCY PRE-EMPTION, SIGNAL HEADS, PEDESTRIAN COUNTDOWN HEAD, SIGN AND PUSH BUTTON ON NEW FOUNDATION.	STA. 208-91.90, 36.76' RT.
D E H I M N	JUNCTION BOX	INSTALL JUNCTION BOX	STA. 208-89.34, 40.75' RT. STA. 208-24.86, 38.61' RT. STA. 208-11.99, 23.09' RT. STA. 208-17.13, 31.03' LT. STA. 208-91.09, 75.32' LT. STA. 209-55.40, 45.48' LT.
F G J L O	PEDESTAL POLE	INSTALL NEW 10' PEDESTAL POLE, PEDESTRIAN COUNTDOWN HEAD(S), SIGN(S) AND PUSH BUTTON(S) ON NEW 24' FOUNDATION.	STA. 208-25.67, 36.12' RT. STA. 208-14.92, 27.50' RT. STA. 208-20.73, 33.06' LT. STA. 208-93.11, 65.85' LT. STA. 209-59.86, 39.05' LT.
K	DUAL PURPOSE POLE WITH 40' MAST ARM AND FOUNDATION	OVERHEAD ILLUMINATION, VIDEO DETECTION, EMERGENCY PRE-EMPTION, SIGNAL HEADS, LED BLANKOUT SIGN AND OVERHEAD LANE USE SIGNS ON NEW FOUNDATION.	STA. 208-67.19, 48.87' LT.
P	EXISTING UTILITY POLE	POWER SOURCE FOR PROPOSED CONTROLLER	STA. 209-57.74, 24.64' RT.

\* STATION AND OFFSET INFORMATION IS APPROXIMATE AND SHOWN TO CENTER OF POLE. EQUIPMENT TO BE ADJUSTED BY RESIDENT, MAINE DOT, OR CITY AS DIRECTED.

NOTES:  
1. EXISTING CONDUIT NOT SHOWN.



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MILL, MAIN AND BROAD STREETS  
SIGNAL PLANS

WIN 18651.00

PROJ. MANAGER	DATE	BY	DATE	REVISIONS	FIELD CHANGES
TCL	05/22	MPC	07/22		
DESIGNED/REVIEWED		DESIGNED/REVIEWED			
DESIGNED/REVIEWED		DESIGNED/REVIEWED			
REVISIONS 1		REVISIONS 1			
REVISIONS 2		REVISIONS 2			
REVISIONS 3		REVISIONS 3			
REVISIONS 4		REVISIONS 4			

SHEET NUMBER  
**19**  
OF 49

Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \00\Highway\020\_SignalNotes.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\_Highway\020\_SignalNotes.dgn

SIGNAL NOTES

1. ALL MATERIALS AND WORK SHALL CONFORM TO THE CITY OF AUBURN AND MAINE DOT STANDARD SPECIFICATIONS AND BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", U.S.D.O.T., F.H.W.A., LATEST EDITION.
2. ALL SIGNAL AND SIGNAL RELATED EQUIPMENT SHALL MEET OR EXCEED THE CITY OF AUBURN TRAFFIC SIGNAL STANDARDS.
3. IT IS THE INTENT OF THIS WORK TO HAVE A COMPLETE OPERATIONAL, TESTED AND ACCEPTED TRAFFIC SIGNAL UPON COMPLETION OF THIS CONTRACT.
4. TRAFFIC SIGNAL WORK SHALL BE COMPLETED IN A MANNER AND ORDER THAT WILL CAUSE THE MINIMUM DISRUPTION TO TRAFFIC.
5. THE RESIDENT, CITY AND MAINE DOT SHALL HAVE THE RIGHT AND AUTHORITY TO DETERMINE THE ACCEPTABILITY OF WORK AND MATERIALS IN PROGRESS OR COMPLETED AND SHALL HAVE THE RIGHT TO REJECT ANY WORK OR MATERIALS WHICH DO NOT CONFORM, IN ITS SOLE OPINION, TO THE PLANS OR SPECIFICATIONS.
6. THE LOCATIONS OF SIGNAL EQUIPMENT AND POLES INCLUDING THE MOUNTED TRAFFIC DEVICES AND SIGNS ARE APPROXIMATE. FINAL LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT, MAINE DOT OR CITY REPRESENTATIVE.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY TRAFFIC SIGNALS AND ASSOCIATED WORK IF REQUIRED. CONTRACTOR SHALL REMOVE THE TEMPORARY TRAFFIC SIGNAL ONCE NEW SIGNAL IS OPERATIONAL. ALL COSTS ASSOCIATED WITH TEMPORARY SIGNALS SHALL BE INCIDENTAL TO THE 643 ITEMS.
8. THE PROPOSED TRAFFIC SIGNAL TIMING AND PHASING PLAN SHALL BE INPUT BY THE CONTRACTOR UNDER OBSERVATIONS BY THE RESIDENT OR MAINE DOT REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE RESIDENT.
9. CONTRACTOR IS RESPONSIBLE FOR FIELD ADJUSTING TIMING FOR EACH TIMING PLAN UNDER THE DIRECTION OF THE RESIDENT AND MAINE DOT REPRESENTATIVE. TIMING SHALL BE ADJUSTED WITHIN TWO WEEKS OF INTIAL START UP.
10. TWO COPIES OF AS-BUILT PLANS, SIGNAL TIMING, WIRING DIAGRAMS, BOX PRINTS AND EQUIPMENT MANUALS SHALL BE LEFT IN THE CONTROLLER CABINET. ONE ELECTRONIC COPY OF EACH SHALL BE PROVIDED TO THE CITY ENGINEER/PUBLIC WORKS DIRECTOR.
11. CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION BOXES PER MAINE DOT STANDARDS AT A MINIMUM.
12. THE CONTRACTOR SHALL PREPARE A MATERIAL SCHEDULE BASED UPON THEIR PLAN REVIEW. ALL SCHEDULES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR PERFORMING WORK.
13. UTILITIES THAT HAVE FACILITIES IN THE GENERAL PROJECT ARE LISTED IN SPECIAL PROVISION 104.
14. UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR FINDING EXACT LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT DIG SAFE AT 1-888-DIG-SAFE AND APPROPRIATE AUTHORITIES PRIOR TO ANY SUBSURFACE ACTIVITIES.
15. THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE UTILITY COMPANIES WHEN MODIFYING THE EXISTING SERVICE CONNECTIONS AND WHEN INSTALLING EQUIPMENT ON THEIR POLES OR NEAR THEIR WIRES.
16. THE CONTRACTOR IS RESPONSIBLE FOR THE RELOCATION AND/OR INSTALLATION OF POWER METERS IF REQUIRED AND ASSURING THE POWER METER LOCATION AND INSTALLATION CONFORMS TO THE LOCAL UTILITY REQUIREMENTS. THIS WORK WILL BE INCIDENTAL TO ITEM 643.80.
17. ALL CONDUIT CROSSING AREAS OF EXISTING PAVEMENT SHALL BE INSTALLED USING TRENCHLESS TECHNOLOGIES, UNLESS OTHERWISE APPROVED.
18. ALL NEW SIGNAL SECTIONS SHALL HAVE LED LENSES 12 INCHES IN DIAMETER, AND SHALL HAVE 5 INCH LOUVERED BACK PLATES WITH 3" YELLOW RETROREFLECTIVE STRIP AROUND BORDER OF BACK PLATES.
19. ALL SPLICES WILL BE MADE IN THE CABINETS OR POLES MEETING MAINE DOT SPECIFICATIONS.
20. THE CONTRACTOR SHALL PROVIDE MAST ARM DESIGN IN ACCORDANCE WITH SECTION 643.023.

21. ANY DAMAGE TO SLOPES, NON-BRICK SIDEWALKS OR PAVEMENT RESULTING FROM INSTALLATION OF MAST ARM POLES AND FOUNDATIONS, SHALL BE REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT. COSTS OF REPAIRS SHALL BE INCIDENTAL TO PAYMENT UNDER SECTION 643.
22. PAYMENT FOR MAST ARM POLES AND FOUNDATIONS SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS 643, 645 AND 626 AND WILL BE FULL COMPENSATION FOR ALL LABOR, EQUIPMENT AND MATERIALS FOR THE ACCEPTED SIGNAL OR SIGN INSTALLATION INCLUDING BUT NOT LIMITED TO SIGNS, SIGNALS, SUPPORT STRUCTURES AND FOUNDATIONS, EXCAVATION, EXCAVATION STABILIZATION, BACKFILL, REPLACEMENT OF SUBBASE GRAVEL, REPLACEMENT OR REPAIR OF HIGHWAY PAVEMENT, SIDEWALK, SLOPE REGRADING, AND PLACEMENT OF LOAM, SEED AND MULCH ON DISTURBED SLOPES. PAYMENT FOR CONSTRUCTION TRAFFIC CONTROL WILL BE MADE UNDER APPLICABLE PAY ITEMS OF SECTION 652.
23. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY STREET/SIDEWALK OCCUPANCY OR OPENING PERMITS.
24. ALL SIGNAL HEADS AND SIGNS SHALL BE MOUNTED TO MAST ARMS WITH ASTROBRACKETS.
25. ALL CONFLICTING SIGNS AND PAVEMENT MARKINGS SHALL BE PERMANENTLY REMOVED IN ACCORDANCE WITH THE MAINEDOT STANDARD SPECIFICATIONS, LATEST EDITION.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING RED-LINE AS-BUILT DRAWINGS OF THE FINAL WORK TO THE RESIDENT. THOSE DRAWINGS SHALL BE A CLEAN SET OF PLANS SHOWING ALL CHANGES, MODIFICATIONS, AND ELEVATIONS TO THE BID PLANS.
27. COUNTDOWN PEDESTRIAN HEADS SHALL HAVE AUDIBLE/TACTILE FEATURES AND SHALL BE INCIDENTAL TO ITEM 643.80. IF PUSH BUTTONS ARE LOCATED LESS THAN 10 FEET APART OR ON THE SAME POLE, EACH PUSH BUTTON SHALL PROVIDE THE FOLLOWING FEATURES; PUSH BUTTON LOCATOR TONE, TACTILE ARROW, SPEECH WALK MESSAGE FOR THE WALKING PERSON INDICATION, SPEECH PUSH BUTTON INFORMATION MESSAGE. IF FROM WHERE A PEDESTRIAN ENTERS THE CROSSWALK TO THE PEDESTRIAN HEAD ON THE OPPOSITE SIDE IS MORE THAN 100 FEET, THE NUMBERS SHALL BE AT LEAST 9 INCHES HIGH.
28. JUNCTION BOXES SHALL BE LISTED AS TIER 22 RATING (22000LBS).
29. THE TRAFFIC SIGNAL SHALL BE EQUIPPED WITH AN APPLIED INFORMATION FMU SO SIGNAL CAN BE MONITORED REMOTELY.
30. SEE STANDARD SPECIFICATIONS FOR GROUND MOUNTED CABINET FOUNDATION SIZE AND REINFORCING REQUIREMENTS.

ADDITIONAL SIGNAL NOTES

1. ALL SIGNAL EQUIPMENT INCLUDING CONTROLLER CABINET, UPRIGHTS, AND MAST ARMS SHALL BE POWDER COAT BLACK IN COLOR. UPRIGHTS AND MAST ARMS SHALL BE GALVANIZED.
2. ALL SIGNAL HEADS SHALL BE HEAVY DUTY POLYCARBONATE.
3. VIDEO DETECTION SHALL BE TRAFFICAM X-STREAM VIDEO.
4. ALL EXISTING SIGNAL EQUIPMENT THAT IS REMOVED SHALL BE RETURNED TO THE CITY.
5. PAYMENT FOR REMOVAL OF EXISTING SIGNS SHALL BE INCIDENTAL TO OTHER 645 ITEMS.
6. ALL NEW CONTROLLERS AND CABINETS SHALL BE TRANSIT SIGNAL PRIORITY (TSP) CAPABLE/READY AND AUTOMATIC VEHICLE LOCATION (AVL) CAPABLE.
7. SEE MAINEDOT STANDARD SPECIFICATIONS AND STANDARD DETAILS, LATEST EDITION FOR CONTROLLER EQUIPMENT REQUIREMENTS.
8. PROPOSED SIGNS ON SIGNAL MAST ARMS AND POLES SHALL BE INCIDENTAL TO ITEM 643.80.
9. REMOVAL OF THE EXISTING SIGNAL SYSTEM SHALL BE INCIDENTAL TO PAY ITEM 643.80.
10. REMOVE EXISTING PEDESTAL POLE FOUNDATIONS NOT BEING REUSED AND EXISTING MAST ARM FOUNDATIONS TO A MINIMUM OF TWO FEET BELOW GRADE. FILL IN HOLE, RESURFACE TO MATCH SURROUNDING AREA. PAYMENT INCIDENTAL TO ITEM 643.80.
11. REMOVE EXISTING CONTROLLER CABINET FOUNDATIONS THAT ARE NOT BEING REUSED, RESURFACE TO MATCH SURROUNDING AREA. PAYMENT INCIDENTAL TO 643.80.
12. THE BOTTOM OF THE HOUSING OF NEW SIGNAL FACES SHALL BE AT LEAST 16.5 FEET BUT NOT MORE THAN 19 FEET ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY UNLESS OTHERWISE SPECIFIED.
13. THE CONTRACTOR IS DIRECTED TO STANDARD SPECIFICATION 718 FOR ADDITIONAL INFORMATION RELATED TO THE CONTROLLER AND CONTROLLER CABINET. STANDARD SPECIFICATION 718 EXPANDS UPON THE INFORMATION FOUND IN THESE NOTES. AS SUCH, THE MORE RESTRICTIVE LANGUAGE BETWEEN THESE NOTES AND STANDARD SPECIFICATION 718 SHALL GOVERN THE WORK TO BE PERFORMED UNDER THIS PROJECT.
14. THE SIGNAL SYSTEM MUST BE FULLY FUNCTIONAL AND FREE OF COMMUNICATIONS OR EQUIPMENT FAILURES FOR A PERIOD OF SEVEN (7) DAYS. IF PROBLEMS OCCUR, THEY SHALL BE RECTIFIED BY THE CONTRACTOR AND THE START UP PERIOD RESTARTED FOR ANOTHER SEVEN (7) DAYS.
15. UPON DEMONSTRATING A SUCCESSFUL 7 DAY START UP TEST, THE CITY AND MAINEDOT SHALL EVALUATE THE OPERATION OF THE SYSTEM FOR A PERIOD OF 30 DAYS. SHOULD THE SYSTEM MALFUNCTION DURING THIS PERIOD THE CONTRACTOR SHALL MAKE ANY REPAIRS OR CORRECTIONS AND THE ACCEPTANCE TEST PERIOD WILL START OVER AGAIN. ACCEPTANCE TESTING MUST DEMONSTRATE TO THE CITY AND MAINEDOT THAT ALL HARDWARE AND EQUIPMENT FUNCTION IN ACCORDANCE WITH THESE SPECIFICATIONS, REQUIREMENTS, THROUGH-PUTS AND FUNCTIONALITY.
16. THE CONTRACTOR SHALL WARRANTY ALL WORK AND EQUIPMENT FOR A PERIOD OF ONE YEAR AFTER INSTALLATION AND ACCEPTANCE.
17. VIDEO DETECTION SHALL HAVE APPROPRIATE FOCAL LENGTH BASED ON DISTANCE FROM THE STOP BAR AND HEIGHT ABOVE THE GROUND. LOCATION OF VIDEO DETECTION AND ADVANCED DETECTION SHALL BE ADJUSTED AS NEEDED TO MEET MANUFACTURER SPECIFICATIONS AND OPERATIONS. THIS INCLUDES EXTENSION ARMS IF NEEDED.
18. VIDEO DETECTION SHALL BE CHECKED TO ENSURE OCCLUSION IS NOT OCCURRING. IF IT IS, THE EQUIPMENT OR ITS LOCATION SHALL BE ADJUSTED AS NEEDED. THIS INCLUDES EXTENSION ARMS IF NEEDED.
19. EMERGENCY PREEPTION SHALL BE PROVIDED WITH THE NEW SIGNAL SYSTEM. THE CONTRACTOR SHALL COORDINATE WITH THE CITY ON SPECIFIC EQUIPMENT TO BE USED SUCH THAT IT IS COMPATIBLE WITH THEIR EXISTING EQUIPMENT.
20. SEE SIGNAL CABINET DETAIL SPECIFICATIONS FOR CONTROLLER EQUIPMENT REQUIREMENTS.
21. THE CABINET SHALL HAVE A UL APPROVED GENERATOR SWITCH.
22. ALL SIGNAL CABLE SHALL BE IMSA RATED.
23. THE POWER SERVICE METER AND SEPARATE DISCONNECT ENCLOSURE SHOULD BE MOUNTED ON THE SIDE OF THE NEW ATC CABINET, TO ALLOW DISCONNECT OF THE SIGNAL IN CASE OF EMERGENCY WITHOUT OPENING THE DOORS.
24. THE SEPARATE DISCONNECT ENCLOSURE SHOULD HAVE TWO BREAKERS, ONE FOR THE SIGNALS AND ONE FOR LIGHTING.
25. LIGHTING CONTROLS CAN BE INSTALLED IN THE ATC CABINET AND WILL NOT REQUIRE A SEPARATE ENCLOSURE.
26. PROPOSED OVERHEAD LIGHTING SHALL BE LED WITH TYPE 3 DISTRIBUTION.

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

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PROJ. MANAGER	DESIGN-DETAILED	DATE	BY	DATE
BK EZEER	TCL	05/22	MFC	05/22
CHECKED-REVIEWED	DGE			
DESIGN-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

AUBURN  
MILL, MAIN AND BROAD STREETS  
SIGNAL NOTES

SHEET NUMBER

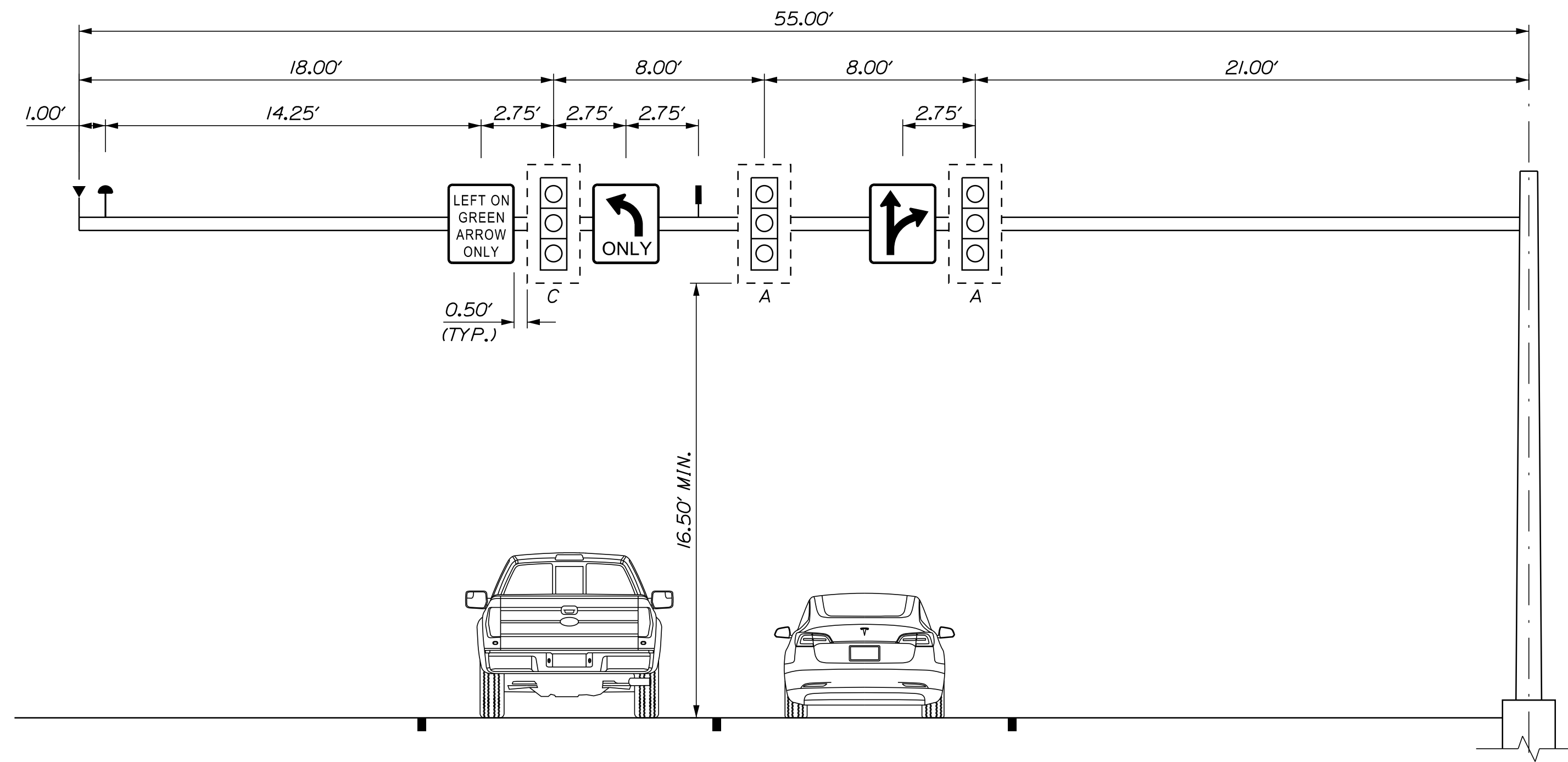
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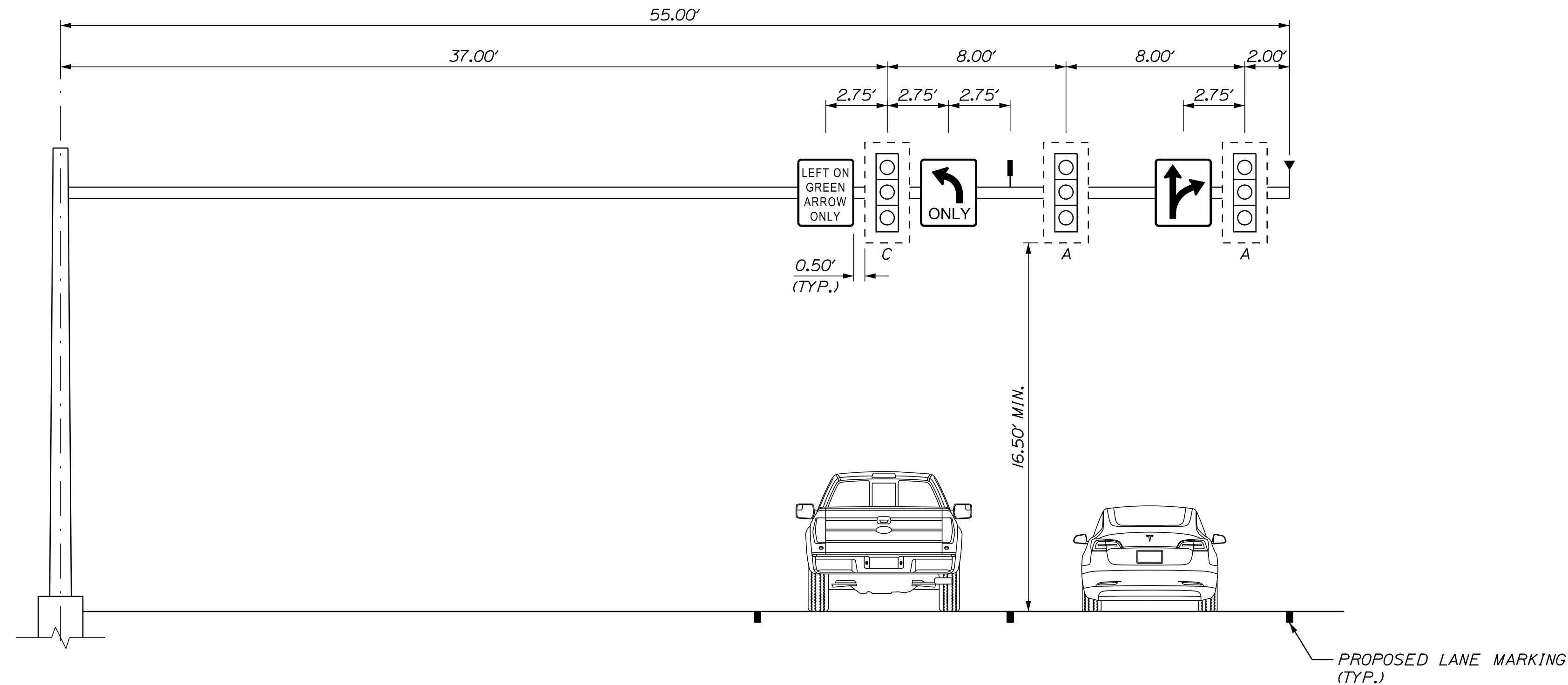


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DUAL PURPOSE POLE E AT MAIN/SOUTH MAIN/MILL STREET INTERSECTION  
LOOKING SOUTH ON MAIN STREET APPROACH (VIEW 1)



DUAL PURPOSE POLE E AT MAIN/SOUTH MAIN/MILL STREET INTERSECTION  
LOOKING NORTH ON SOUTH MAIN STREET APPROACH (VIEW 2)

LEGEND	
VIDEO DETECTOR	⊥
EMERGENCY PRE-EMPTION RECEIVER	⌵
EMERGENCY PRE-EMPTION STROBE	⌵

- NOTES:
- EQUIPMENT ATTACHED TO THE BASE OF DUAL PURPOSE POLES NOT SHOWN. OVERHEAD ILLUMINATION ALSO NOT SHOWN.
  - SEE SIGNAL PLANS FOR SIGNAL HEAD AND SIGNING INFORMATION.

CITY OF AUBURN  
60 COURT STREET  
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PROJ. MANAGER	BY	DATE
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CHECKED-REVIEWED	DGE	05/22
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

AUBURN  
MILL, MAIN AND BROAD STREETS  
SIGNAL DETAILS

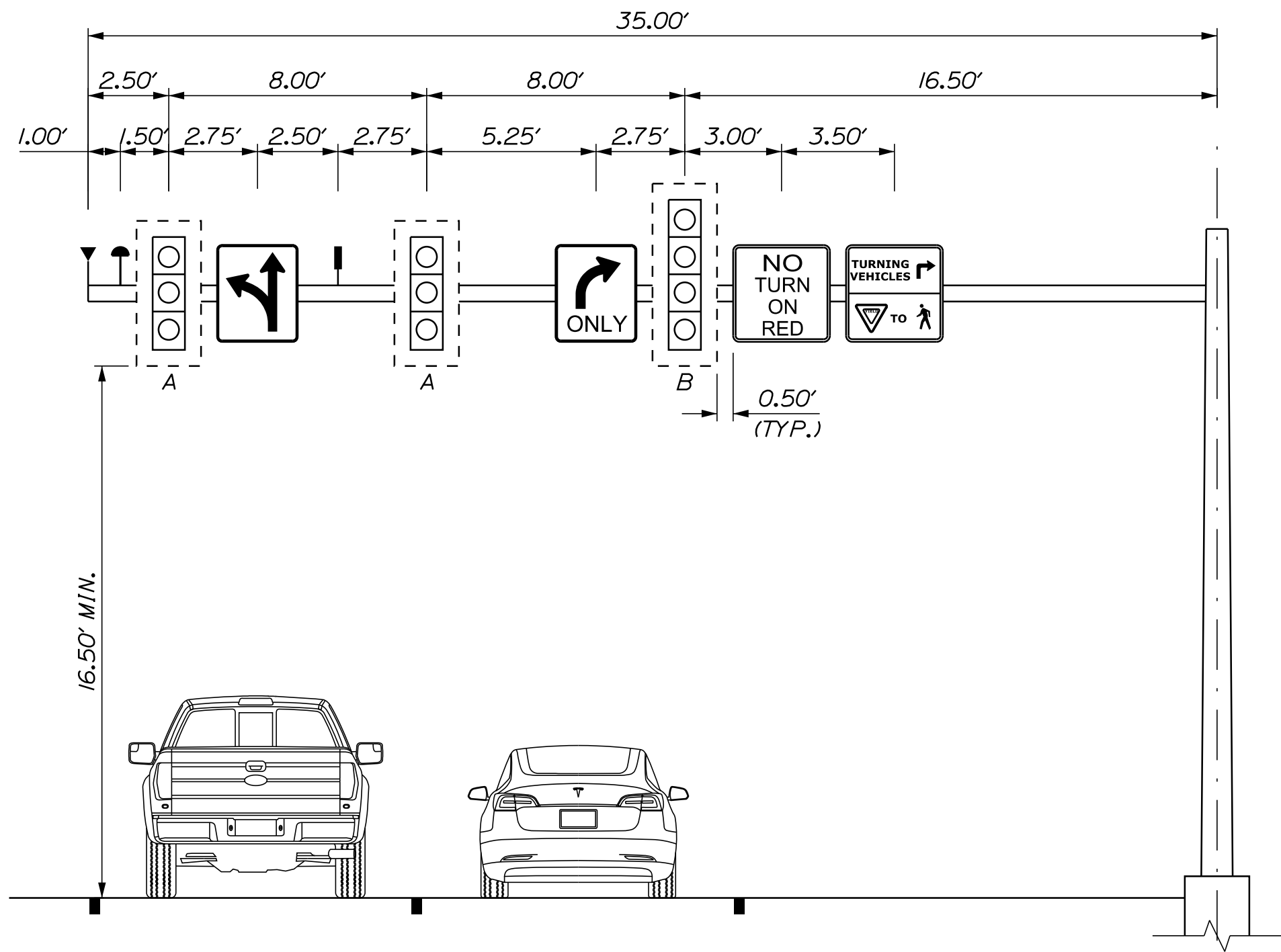
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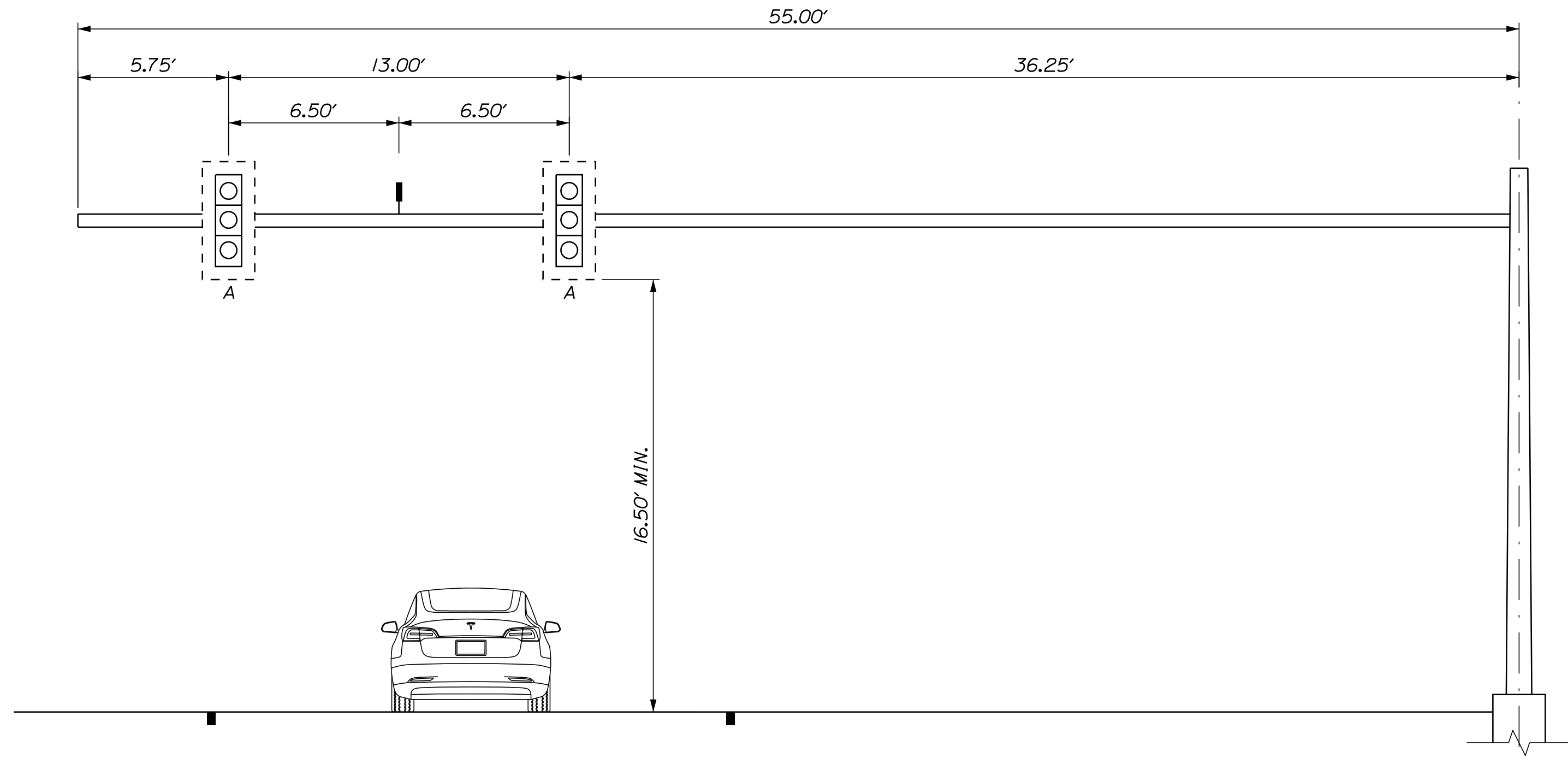
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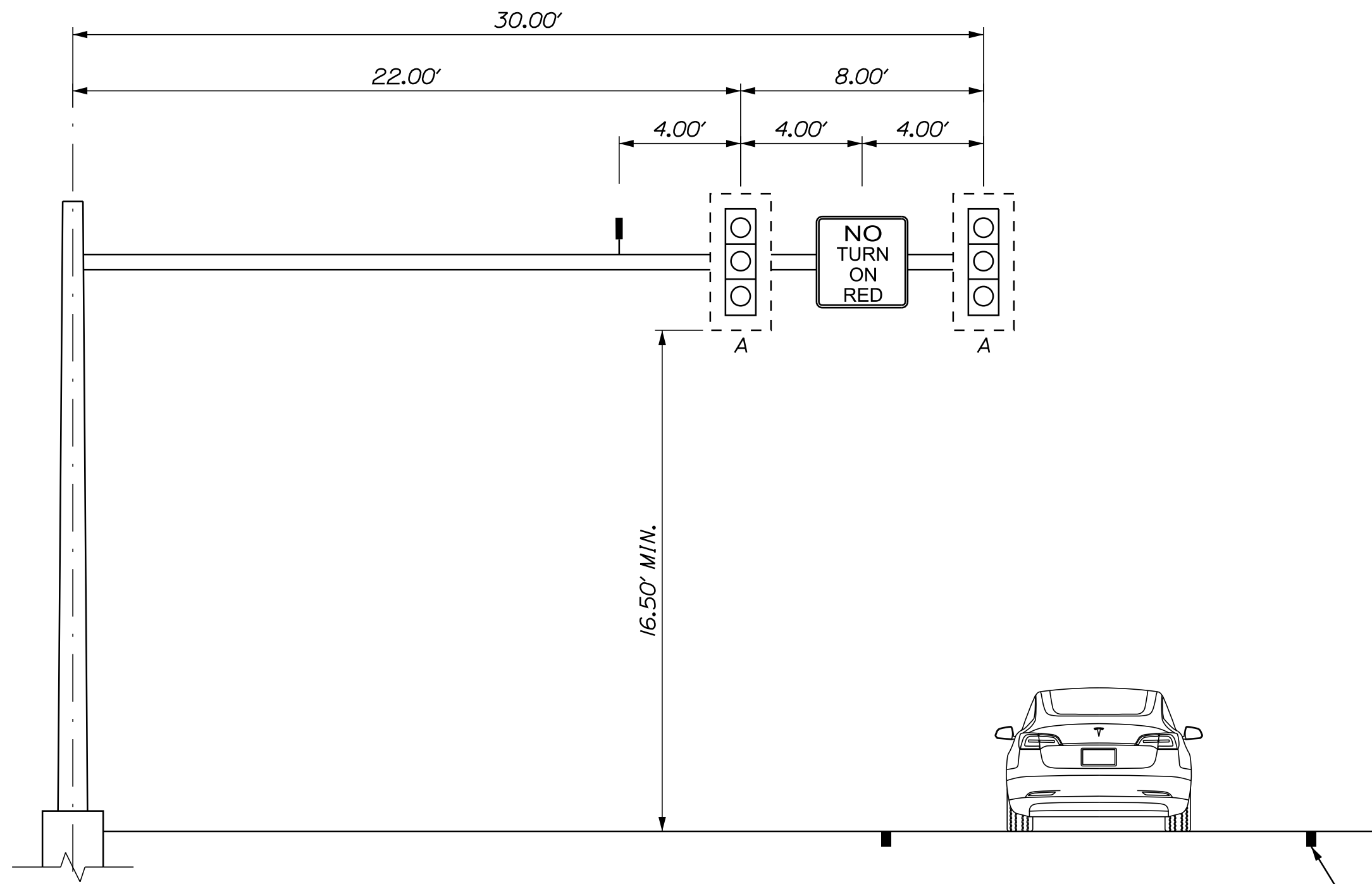
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DUAL PURPOSE POLE N AT MAIN/SOUTH MAIN/MILL STREET INTERSECTION  
LOOKING WEST ON MILL STREET APPROACH



DUAL PURPOSE POLE E AT MAIN/SOUTH MAIN/MILL STREET INTERSECTION  
LOOKING EAST ON MILL STREET APPROACH (VIEW 3)



DUAL PURPOSE POLE B AT MAIN/SOUTH MAIN/MILL STREET INTERSECTION  
LOOKING SOUTH ON 87 MILL STREET APPROACH

PROPOSED LANE MARKING (TYP.)

LEGEND	
VIDEO DETECTOR	
EMERGENCY PRE-EMPTION RECEIVER	
EMERGENCY PRE-EMPTION STROBE	

- NOTES:
- EQUIPMENT ATTACHED TO THE BASE OF DUAL PURPOSE POLES NOT SHOWN. OVERHEAD ILLUMINATION ALSO NOT SHOWN.
  - SEE SIGNAL PLANS FOR SIGNAL HEAD AND SIGNING INFORMATION.

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
TCL <td>05/22 <td>MPC <td>05/22 <td></td> <td></td> <td></td> </td></td></td>	05/22 <td>MPC <td>05/22 <td></td> <td></td> <td></td> </td></td>	MPC <td>05/22 <td></td> <td></td> <td></td> </td>	05/22 <td></td> <td></td> <td></td>			
DGE <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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REVISIONS 1						
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REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

AUBURN  
MILL, MAIN AND BROAD STREETS  
SIGNAL DETAILS

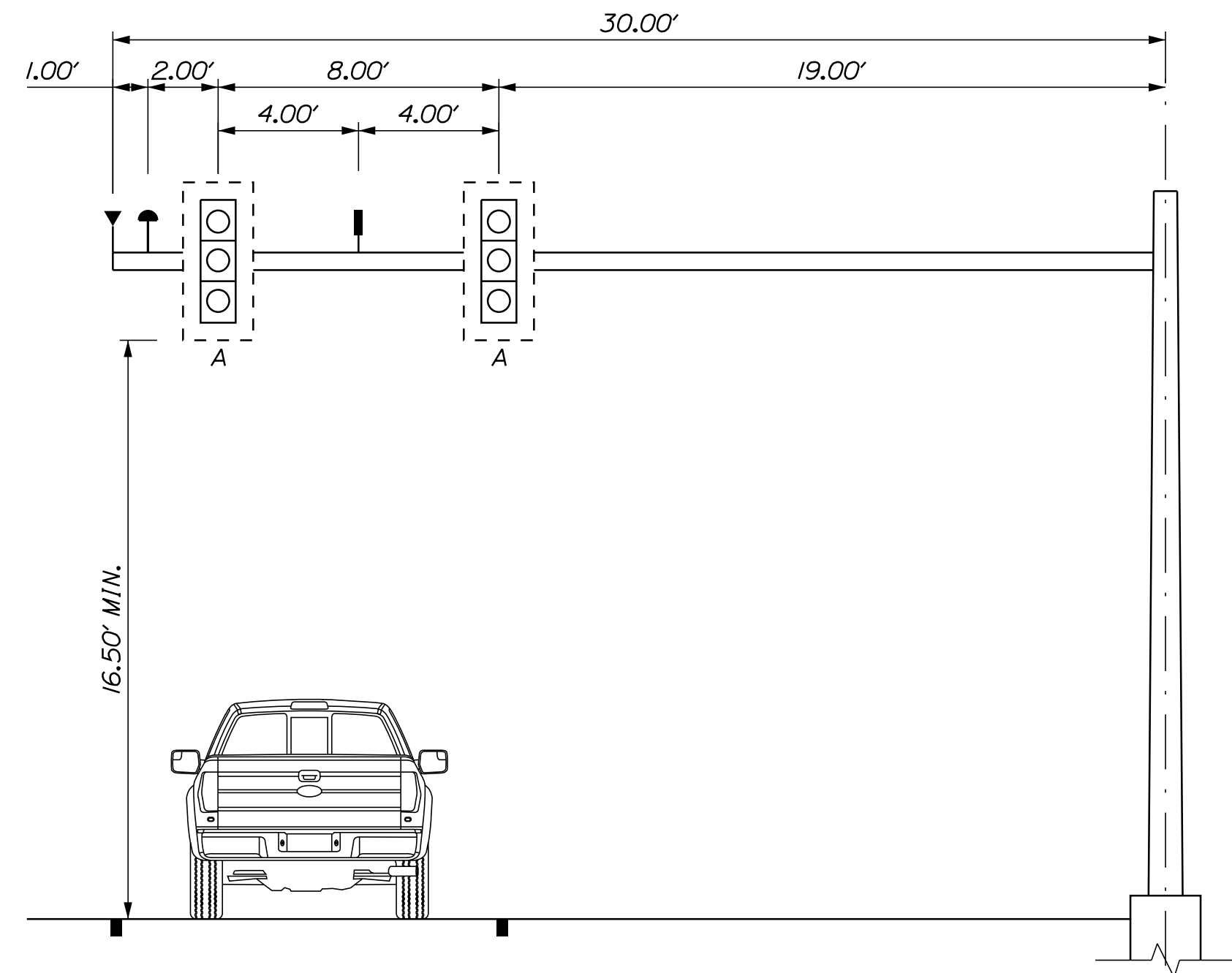
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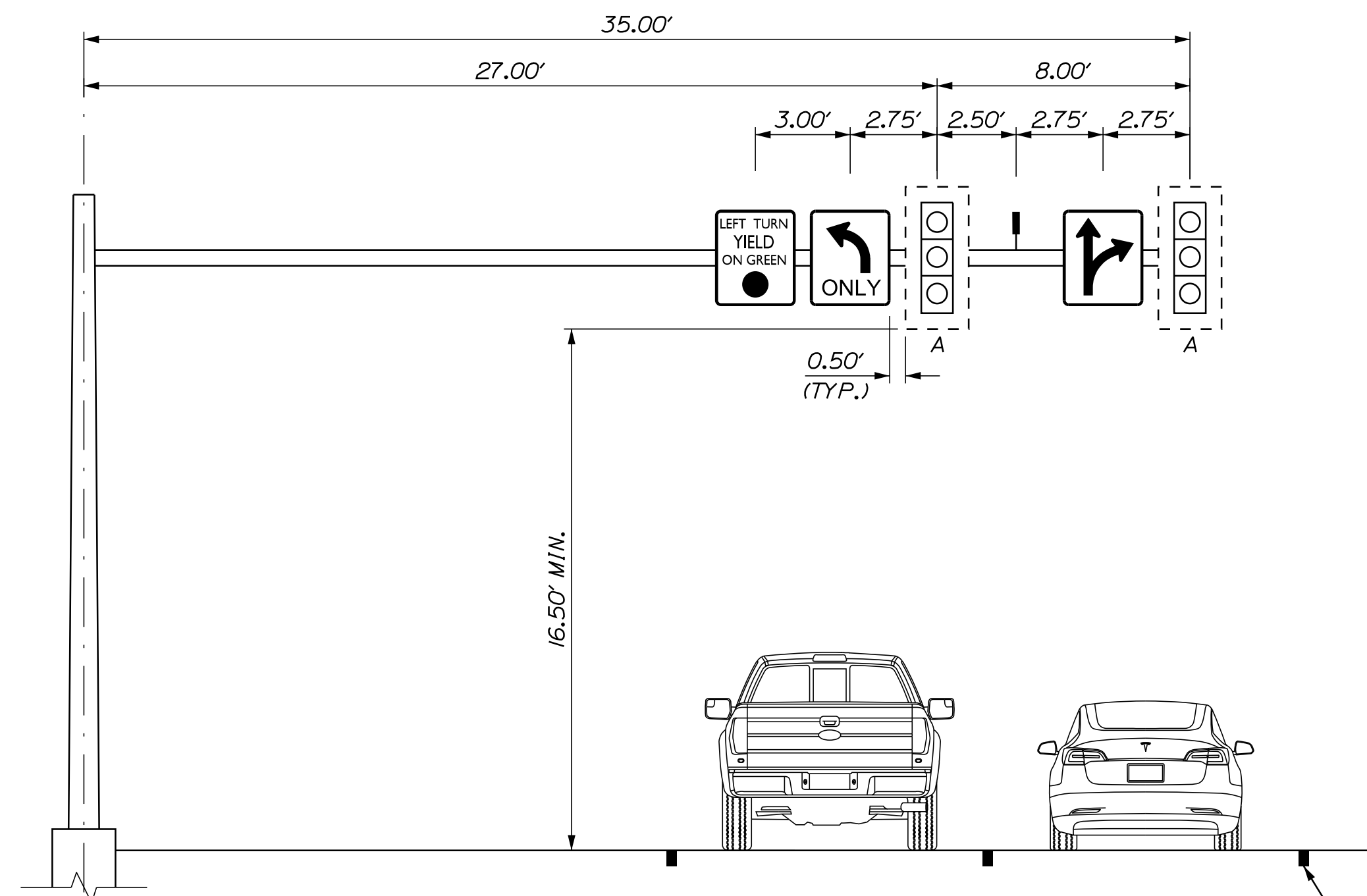
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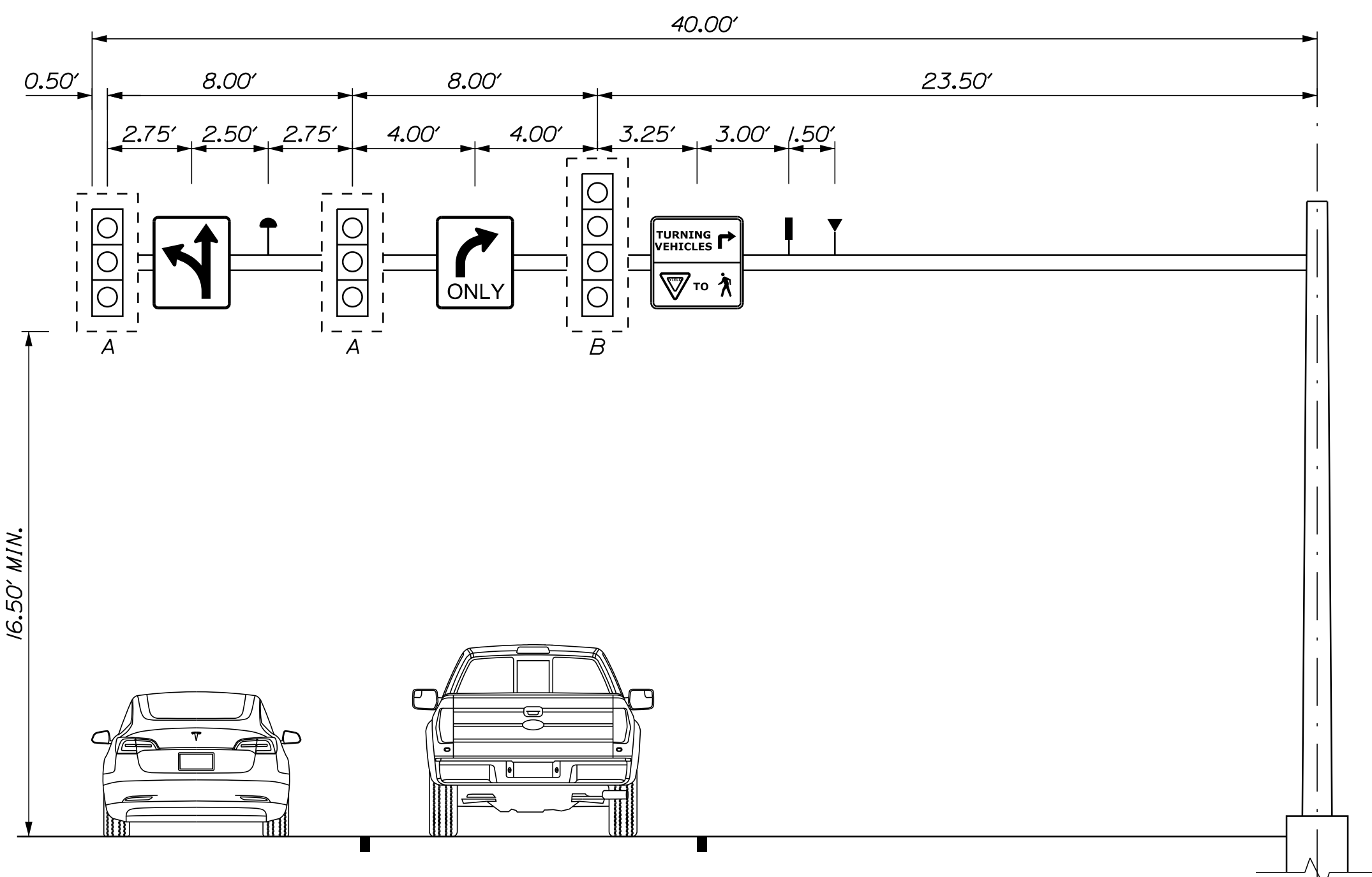
DUAL PURPOSE POLE C AT MILL/BROAD STREET INTERSECTION  
LOOKING NORTH ON BROAD STREET APPROACH



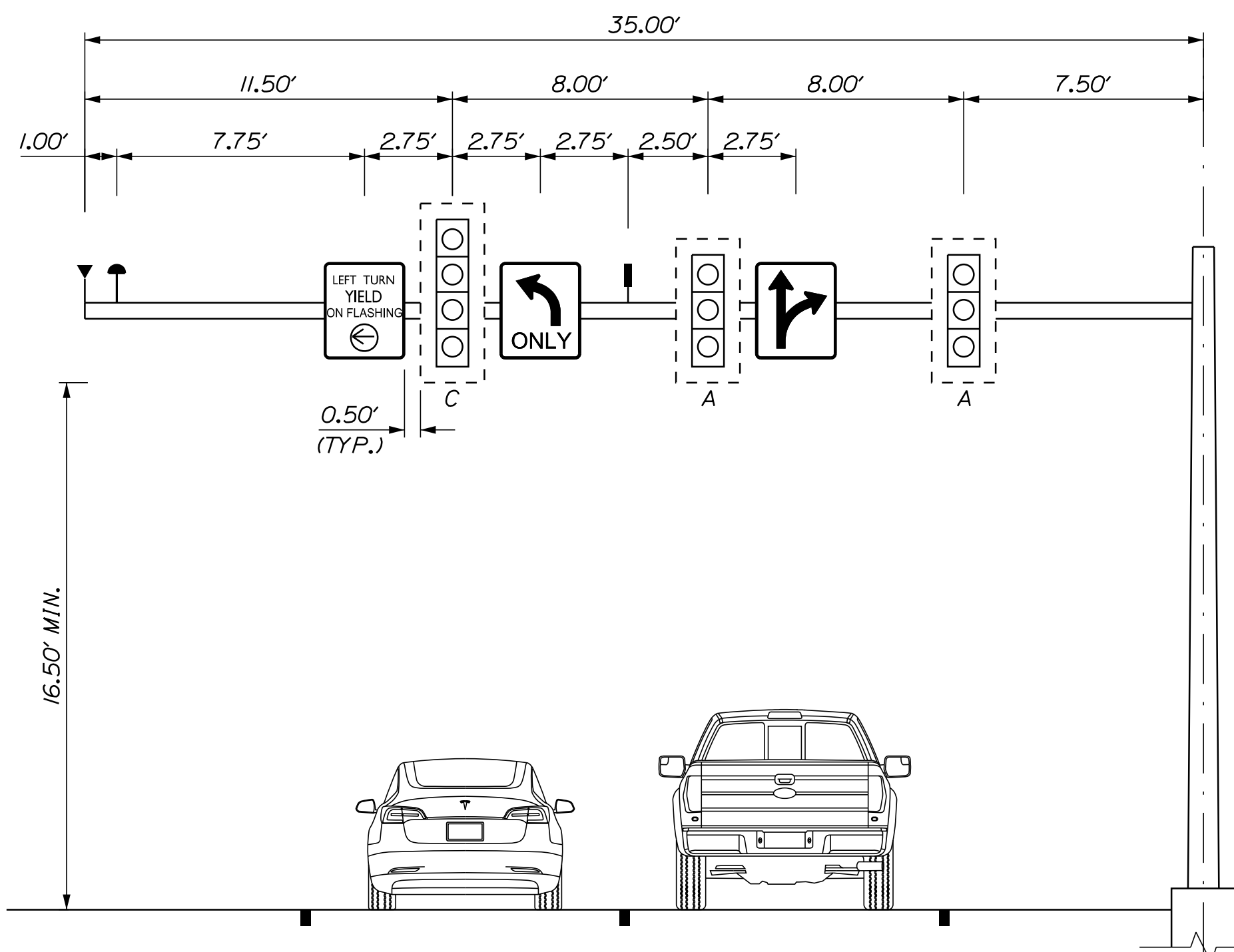
DUAL PURPOSE POLE B AT MILL/BROAD STREET INTERSECTION  
LOOKING WEST ON MILL STREET APPROACH (VIEW 1)

LEGEND	
VIDEO DETECTOR	
EMERGENCY PRE-EMPTION RECEIVER	
EMERGENCY PRE-EMPTION STROBE	

PROPOSED LANE MARKING (TYP.)



DUAL PURPOSE POLE K AT MILL/BROAD STREET INTERSECTION  
LOOKING SOUTH ON BROAD STREET APPROACH



DUAL PURPOSE POLE B AT MILL/BROAD STREET INTERSECTION  
LOOKING EAST ON MILL STREET APPROACH (VIEW 2)

- NOTES:
- EQUIPMENT ATTACHED TO THE BASE OF DUAL PURPOSE POLES NOT SHOWN. OVERHEAD ILLUMINATION ALSO NOT SHOWN.
  - SEE SIGNAL PLANS FOR SIGNAL HEAD AND SIGNING INFORMATION.

CITY OF AUBURN  
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18651.00

PROJ. MANAGER	DATE	BY	DATE	BY	DATE
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DGE		DGE			
DGE		DGE			
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

AUBURN  
MILL, MAIN AND BROAD STREETS  
SIGNAL DETAILS

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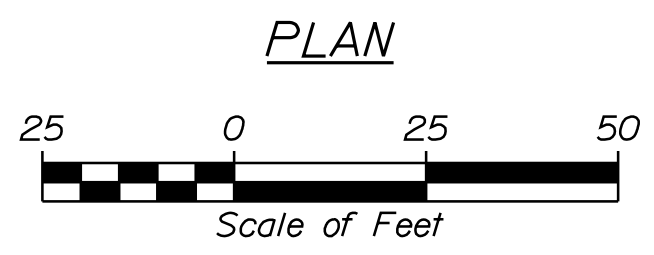
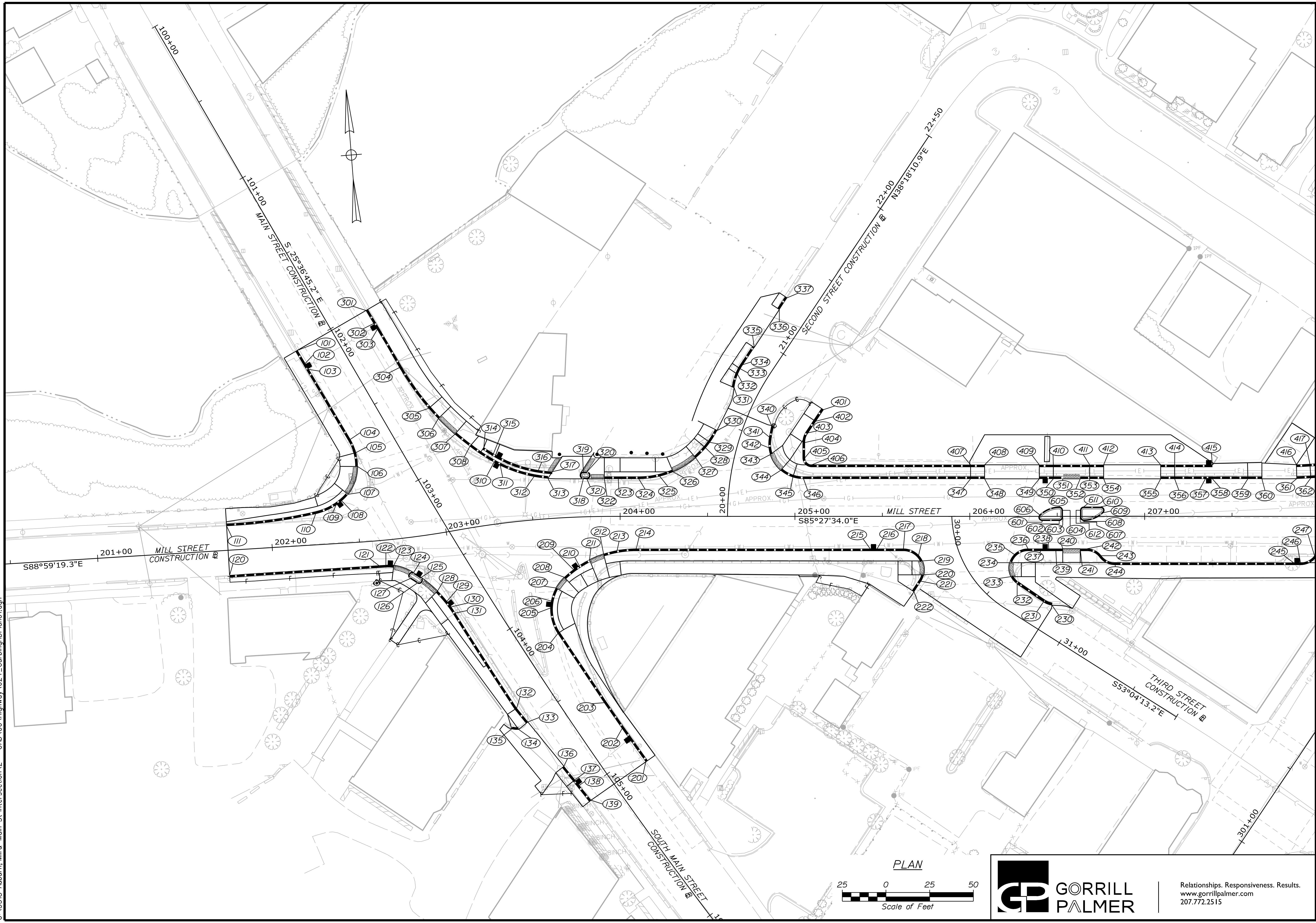
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \024\_CurbingHP1an01.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\_Highway\024\_CurbingHP1an01.dgn



Relationships. Responsiveness. Results.  
 www.gorrillpalmer.com  
 207.772.2515

CITY OF AUBURN  
 60 COURT STREET  
 AUBURN, MAINE 04210

WIN  
 18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
DESIGN DETAILED		DGE	
CHECKED-REVIEWED		DGE	
DESIGNS DETAILED			
DESIGNS DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

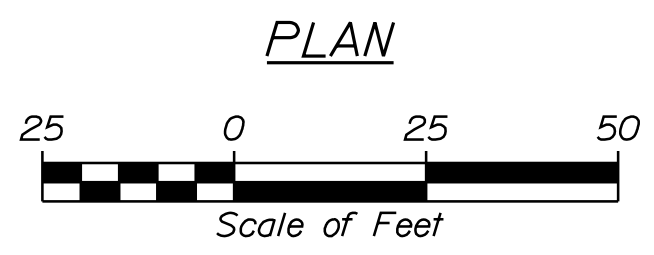
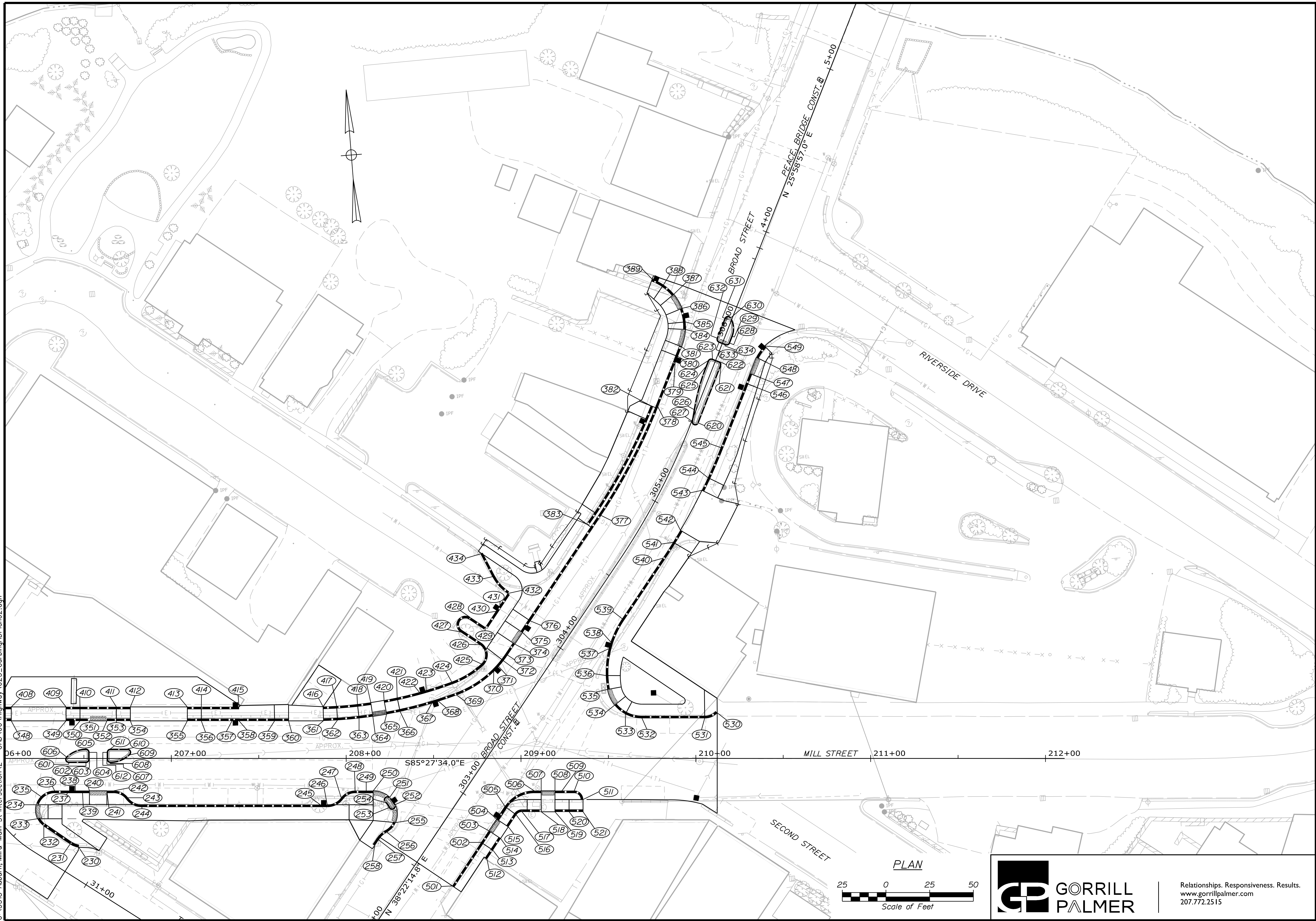
AUBURN  
 MILL, MAIN AND BROAD STREETS  
 CURBING PLANS

SHEET NUMBER

24

OF 49





Relationships. Responsiveness. Results.  
 www.gorrillpalmer.com  
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CITY OF AUBURN  
 60 COURT STREET  
 AUBURN, MAINE 04210

PROJ. MANAGER	BIKEEZER	BY	DATE
DESIGN-DETAILED	TCL	MPC	05/22
CHECKED-REVIEWED	DGE		05/22
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
 MILL, MAIN AND BROAD STREETS  
 CURBING PLANS

SHEET NUMBER

25

OF 49

WIN  
 18651.00





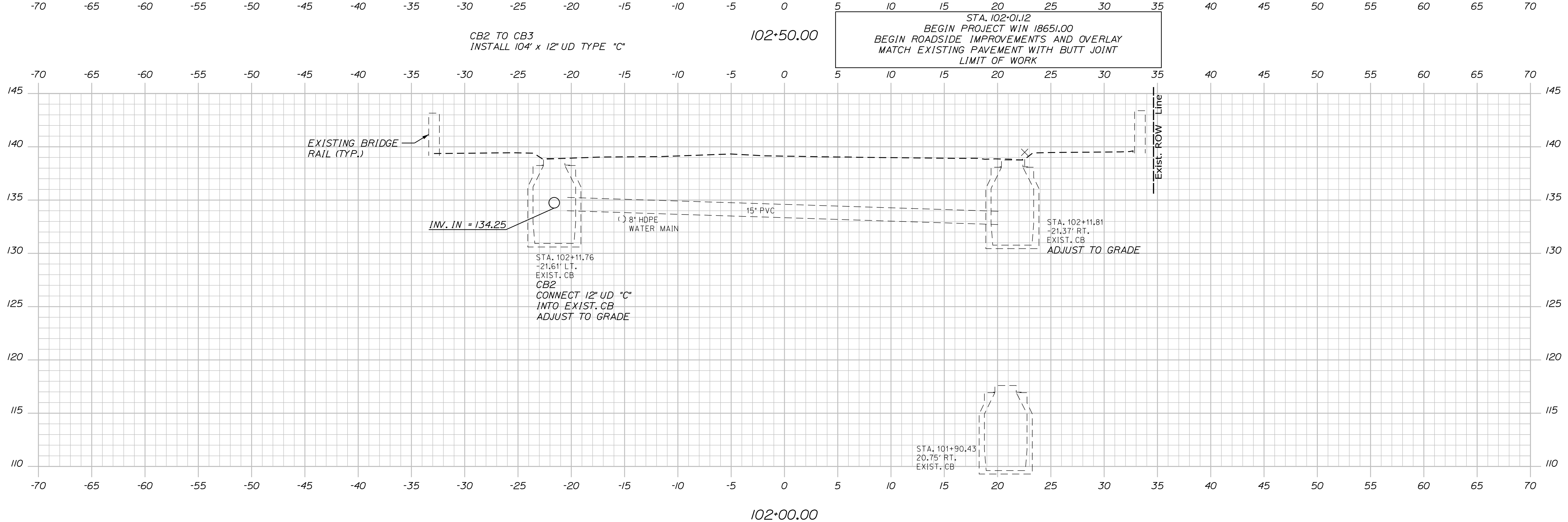
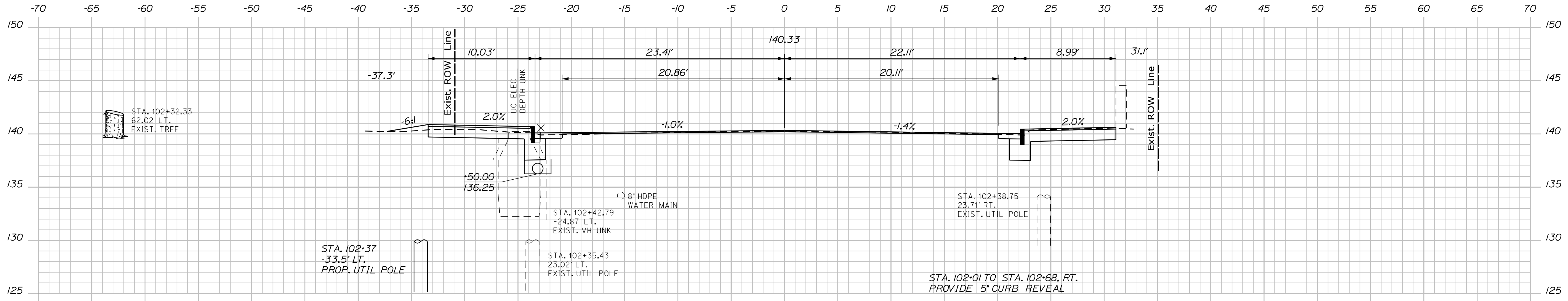
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



- NOTES:
1. CONTRACTOR SHALL NOTE THAT PROPOSED SIDEWALKS EXTEND TO EXISTING BUILDINGS IN MANY LOCATIONS ON THIS PROJECT. CONTRACTOR SHALL MATCH THE EXISTING FOUNDATION REVEAL, WINDOW SILL OR DOORWAY GRADE OF THE BUILDINGS. ADJUSTMENTS TO THE DESIGN OF THE PROPOSED SIDEWALK CROSS SLOPE, CURB REVEAL AND SHOULDER SLOPE MAY BE NECESSARY TO ACHIEVE ACCEPTABLE MATCH POINTS WITH BUILDINGS. COORDINATE WORK WITH RESIDENT.
  2. PROPOSED RIM ELEVATION INFORMATION SHOWN ON THESE PLANS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ALL RIM ELEVATIONS PRIOR TO SETTING FINAL GRADE.
  3. THE CONTRACTOR SHALL NOTE THAT WATER MAIN AND GAS MAIN DEPTHS SHOWN ON THESE CROSS SECTIONS ARE ASSUMED TO BE 5.5' OF COVER FOR THE WATER MAIN AND 3' OF COVER FOR THE GAS MAIN.

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN/DETAILED	05/22	MPC	05/22			
CHECKED/REVIEWED						
DESIGN/DETAILED						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

AUBURN  
MILL, MAIN AND BROAD STREETS

CROSS SECTIONS

SHEET NUMBER  
**27**  
OF 49



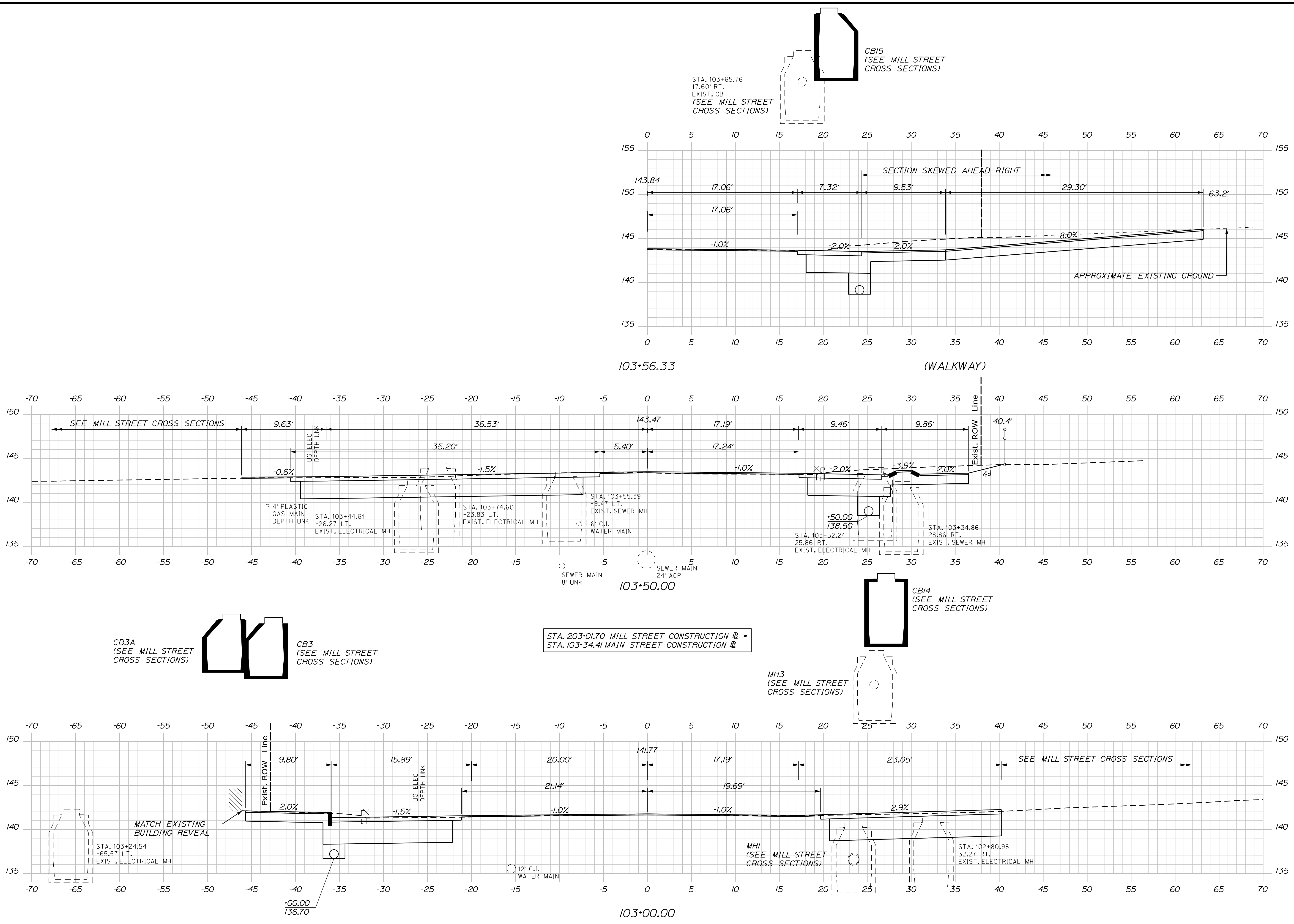
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



CITY OF AUBURN 60 COURT STREET AUBURN, MAINE 04210		WIN 18651.00	
PROJ. MANAGER	DATE	BY	DATE
DESIGN-DETAILED	05/22	MPC	05/22
CHECKED-REVIEWED		DGE	
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
AUBURN MILL, MAIN AND BROAD STREETS		CROSS SECTIONS	
SHEET NUMBER		DATE	
28			
OF 49			

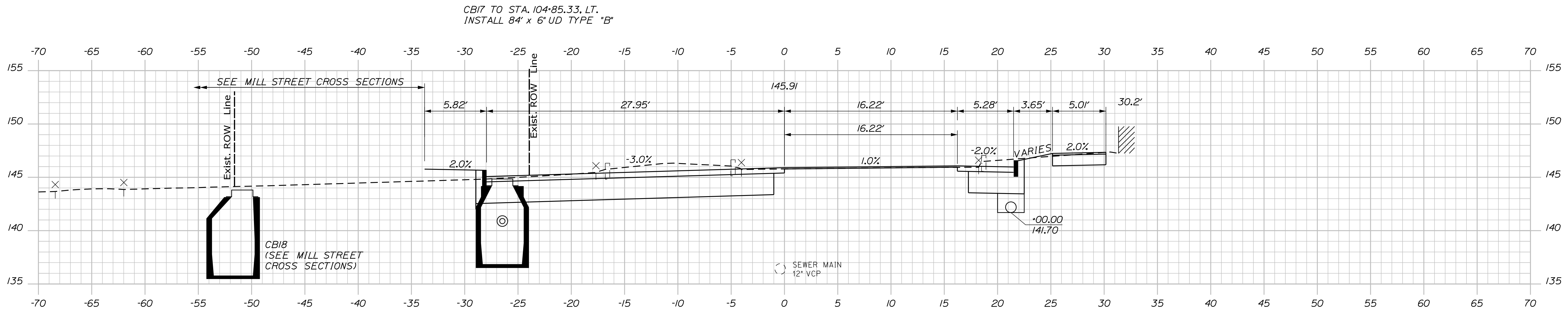
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



CB17 TO STA. 104+85.33, LT.  
INSTALL 84" x 6" UD TYPE "B"

SEE MILL STREET CROSS SECTIONS

Exist. ROW Line

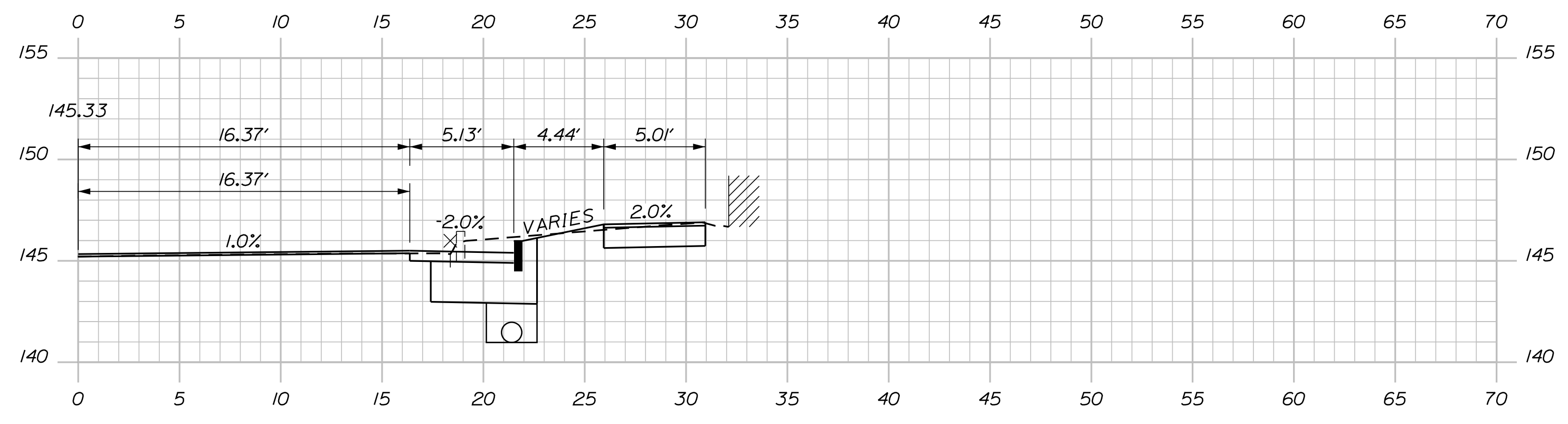
Exist. ROW Line

CB18  
(SEE MILL STREET  
CROSS SECTIONS)

SEWER MAIN  
12" VCP

CB17  
STA. 104+00.00, 26.47' LT.  
INSTALL CB TYPE A1-C  
RIM EL. = 144.85  
INV. IN (6") = 140.65  
INV. OUT (12") = 140.40

104+00.00



103+88.56

(DOORWAY)

STA. 103+75.72  
19.93' RT.  
EXIST. UTIL POLE

STA. 103+85  
23.3' RT.  
PROP. UTIL POLE

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

AUBURN  
MILL, MAIN AND BROAD STREETS  
CROSS SECTIONS

SHEET NUMBER

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OF 49

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
DESIGN DETAILED		DESIGN REVIEWED	SIGNATURE
DESIGN DETAILED		DESIGN DETAILED	P.E. NUMBER
REVISIONS 1		REVISIONS 1	DATE
REVISIONS 2		REVISIONS 2	
REVISIONS 3		REVISIONS 3	
REVISIONS 4		REVISIONS 4	
FIELD CHANGES			



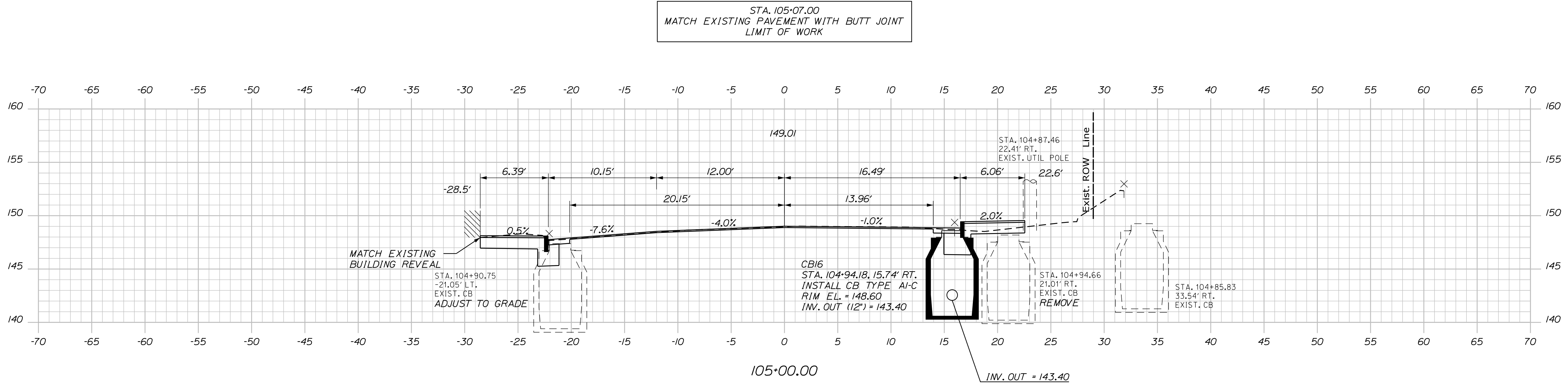
Date: 5/27/2022

Username: Mike.Cundiff

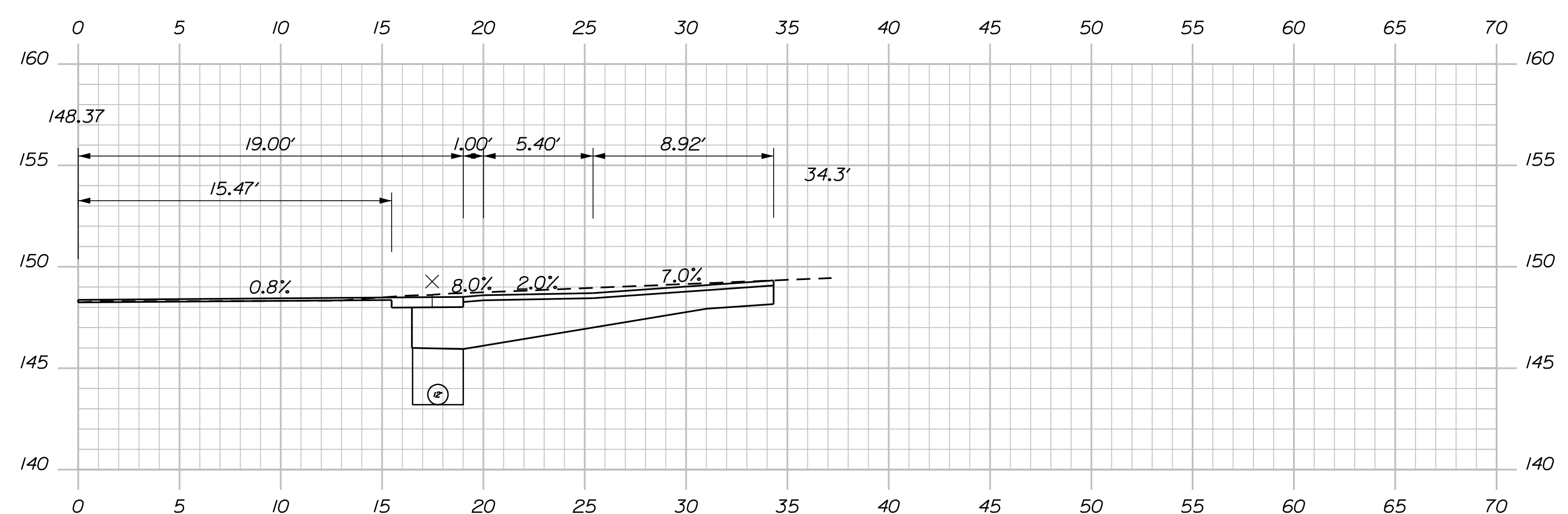
Division: HIGHWAY

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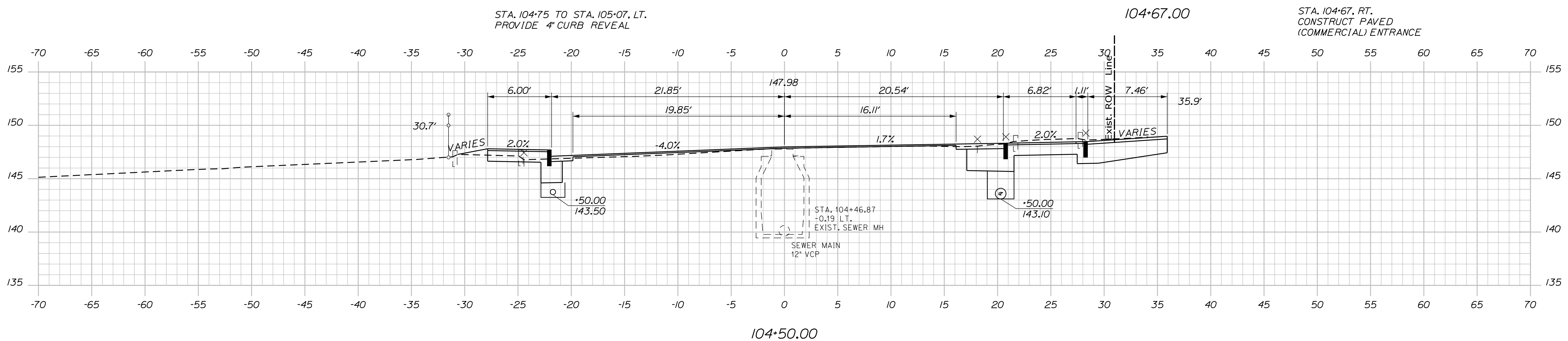
U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



105+00.00



104+67.00



104+50.00

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
DESIGN-REVIEWED			SIGNATURE
DESIGN-REVIEWED			P.E. NUMBER
DESIGN-REVIEWED			DATE
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
MILL, MAIN AND BROAD STREETS  
CROSS SECTIONS

SHEET NUMBER

30

OF 49

Sta. 104+50.00 to Sta. 105+00.00

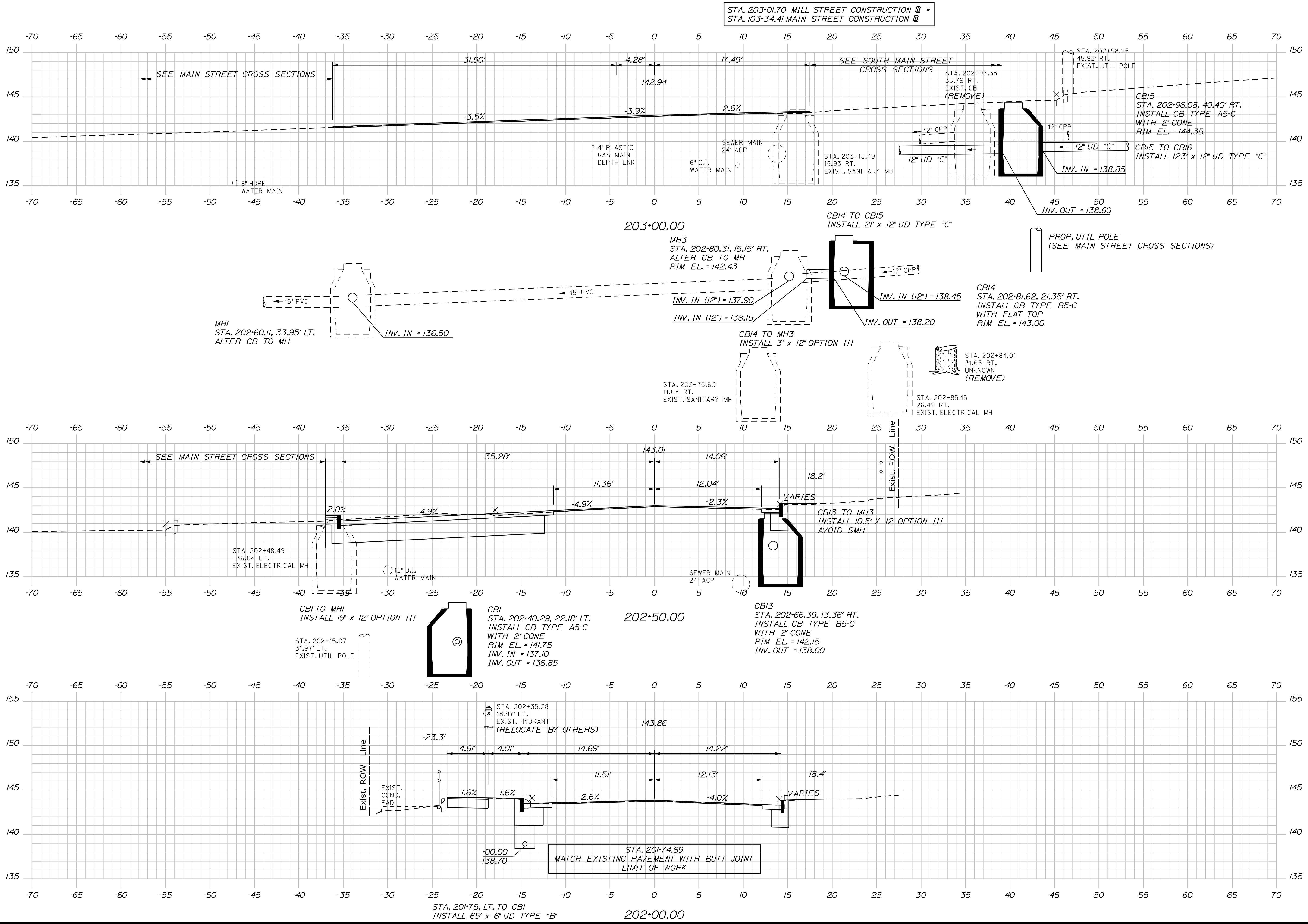
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



CITY OF AUBURN  
 60 COURT STREET  
 AUBURN, MAINE 04210  
 WIN  
 18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22

DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
DOE	DOE	DOE					

AUBURN  
 MILL, MAIN AND BROAD STREETS  
 CROSS SECTIONS

SHEET NUMBER  
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 OF 49

Sta. 202+00.00 to Sta. 203+00.00



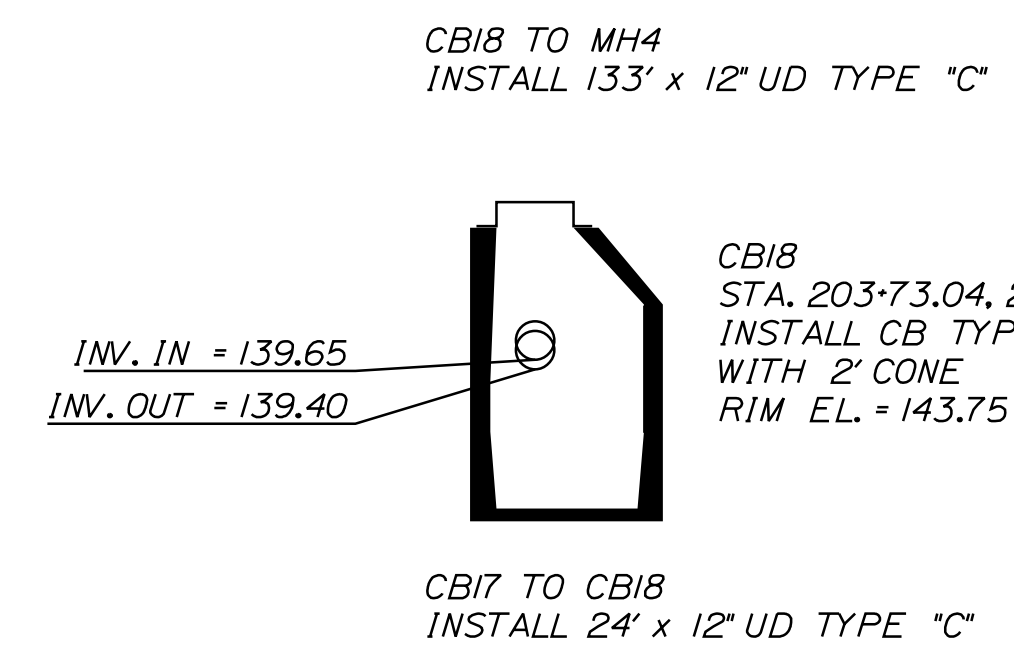
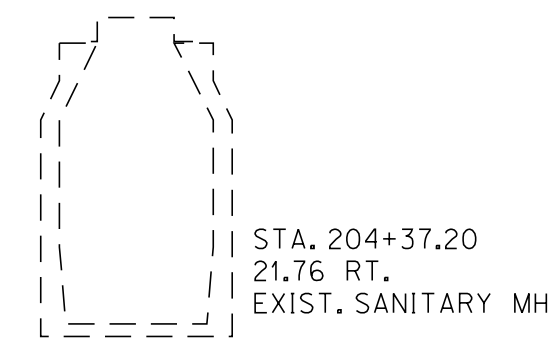
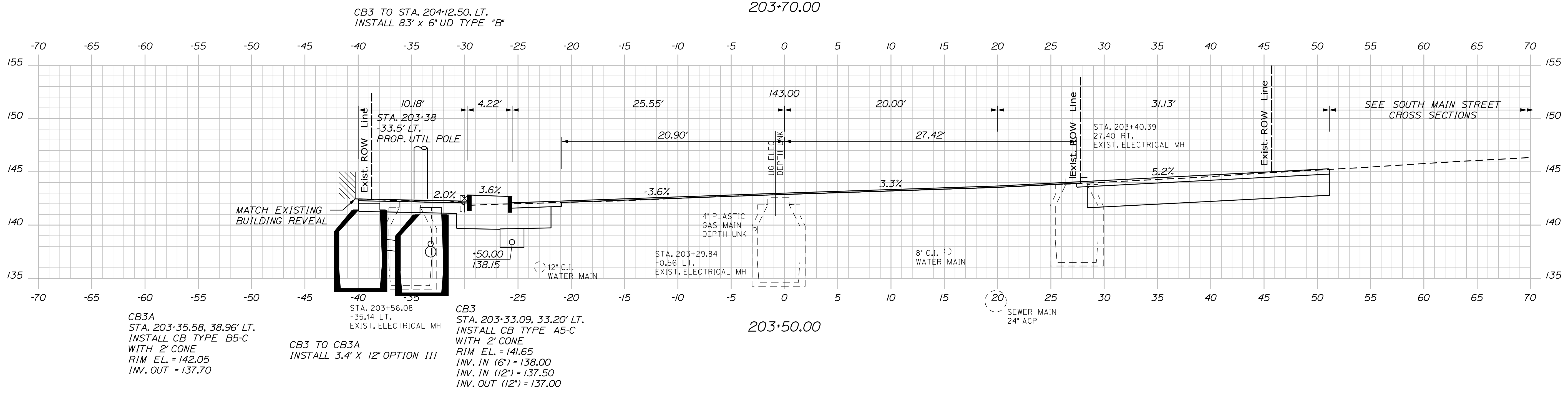
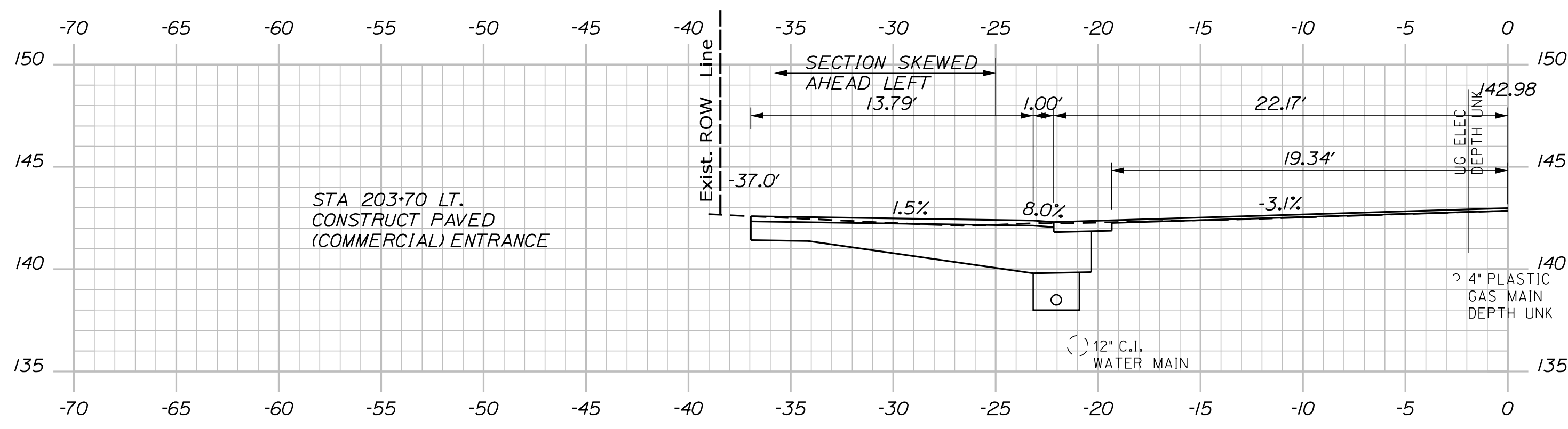
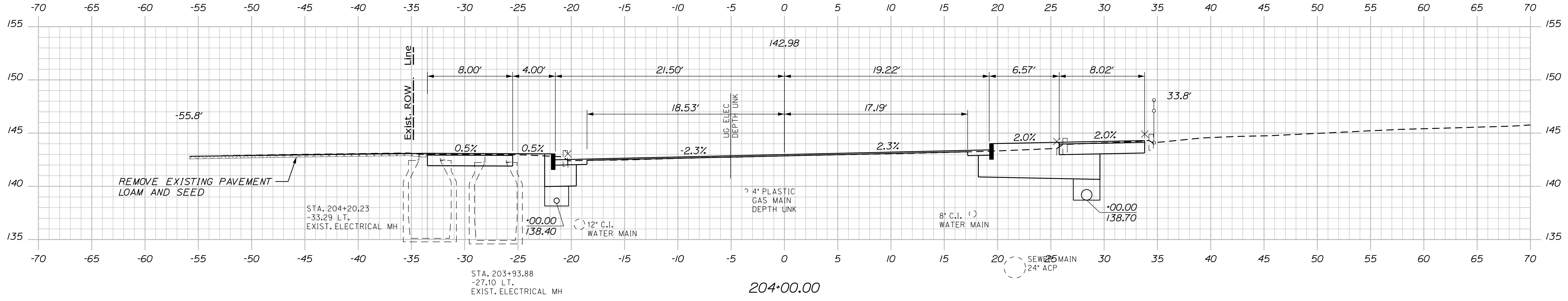
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

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CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

PROJ. MANAGER	DATE	BY	DATE
MPC	05/22	MPC	05/22

CHECKED/REVIEWED	DESIGNED/REVIEWED	DESIGNED/REVIEWED	DESIGNED/REVIEWED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

AUBURN  
MILL, MAIN AND BROAD STREETS

CROSS SECTIONS

SHEET NUMBER  
**32**  
OF 49

Sta. 203+50.00 to Sta. 204+00.00

WIN  
18651.00

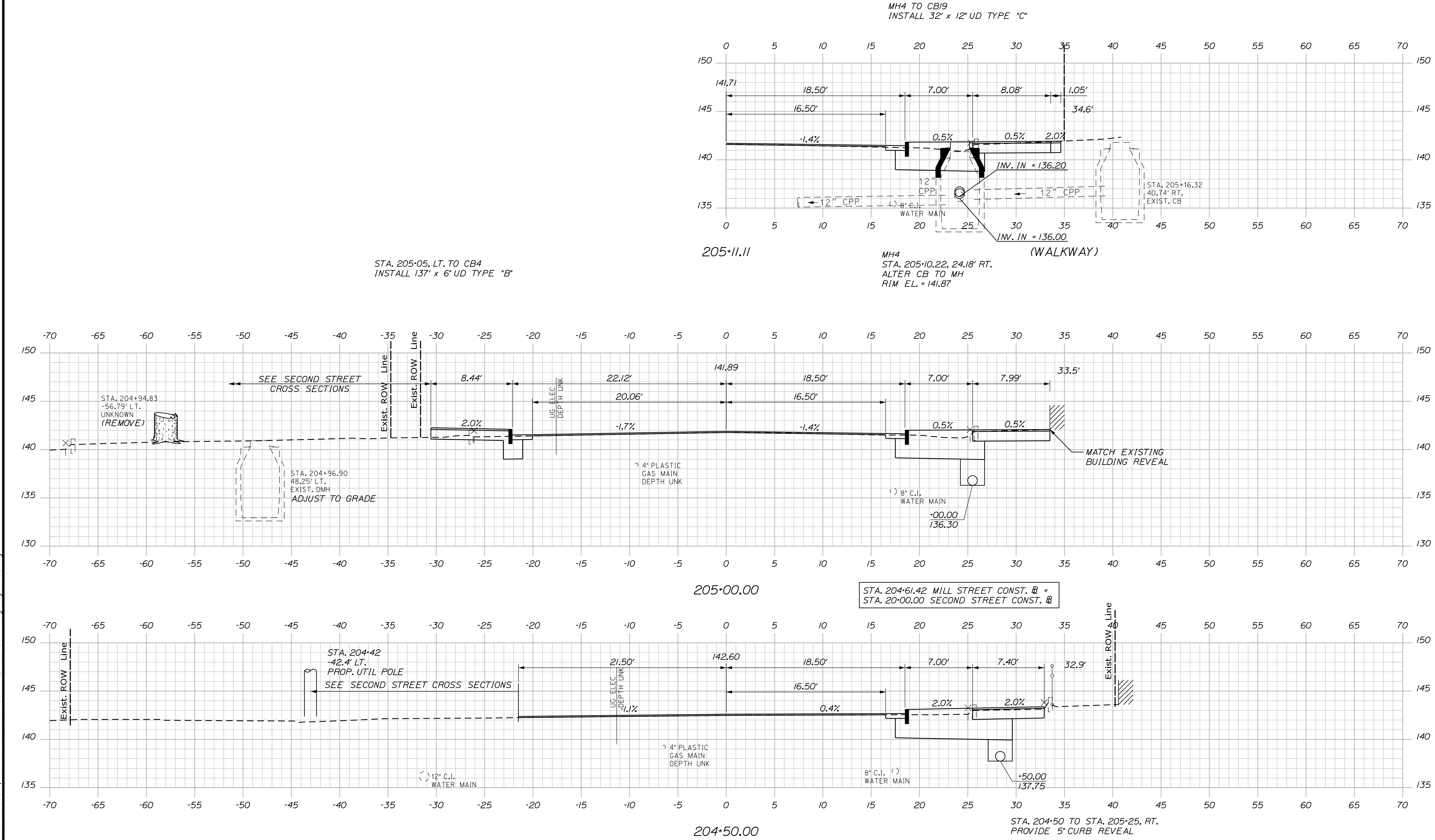
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Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



CITY OF AUBURN  
 60 COURT STREET  
 AUBURN, MAINE 04210

WIN  
 18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL <td>05/22 <td>MPC <td>05/22 </td></td></td>	05/22 <td>MPC <td>05/22 </td></td>	MPC <td>05/22 </td>	05/22
DESIGNED/TALENT		CHECKED/REVIEWED	
DESIGNED/TALENT		DESIGNED/TALENT	
REVISIONS 1		REVISIONS 2	
REVISIONS 3		REVISIONS 4	
FIELD CHANGES			
SIGNATURE		P.E. NUMBER	
DATE		DATE	

AUBURN  
 MILL, MAIN AND BROAD STREETS  
 CROSS SECTIONS

SHEET NUMBER

33

OF 49

Sta. 204+50.00 to Sta. 205+11.11



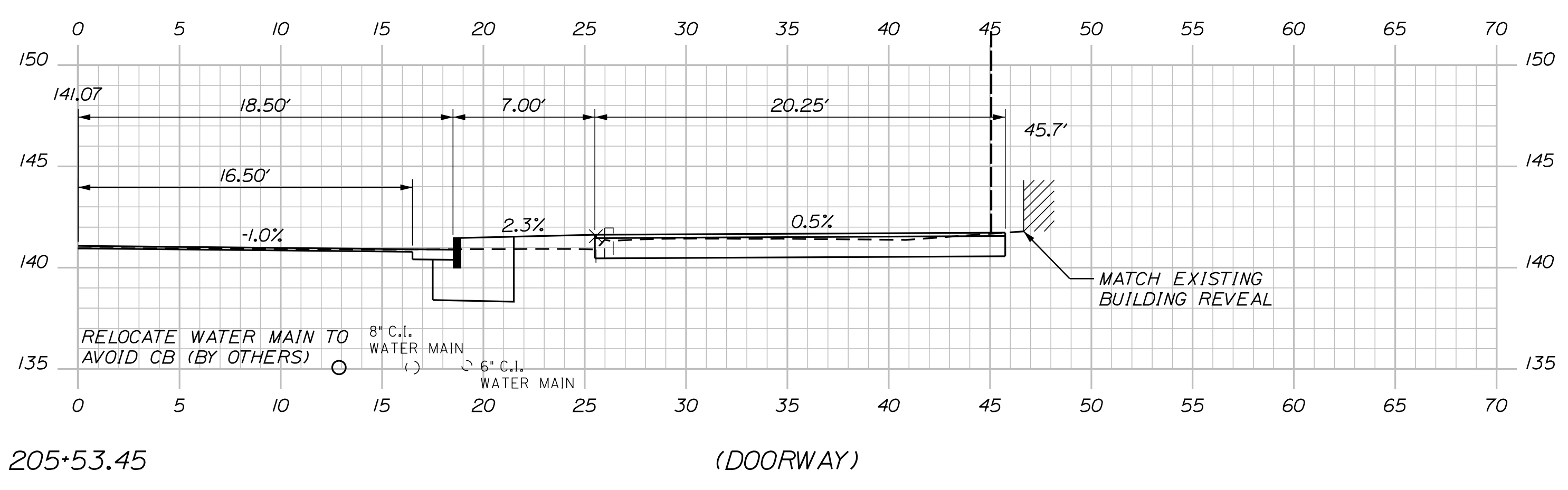
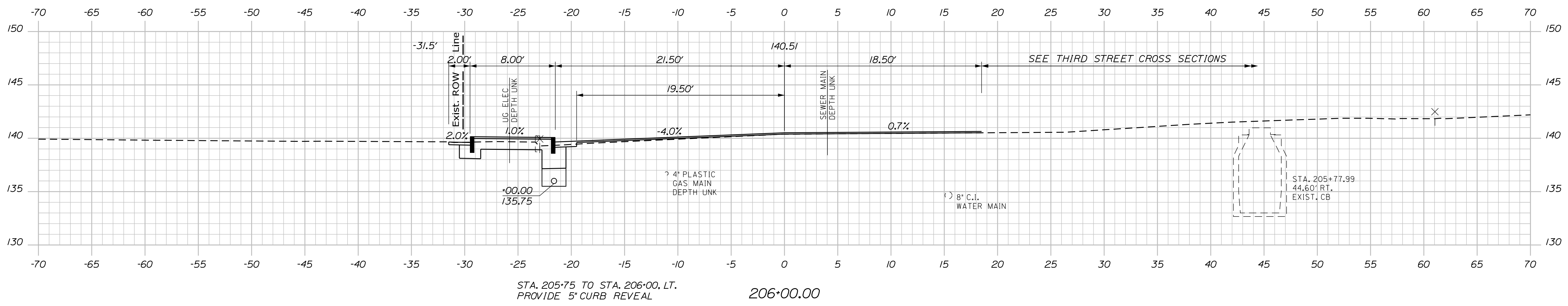
Date: 5/27/2022

Username: Mike.Cundiff

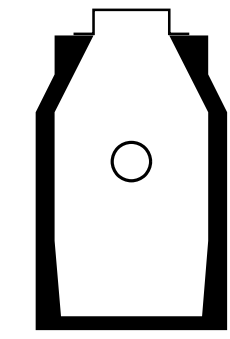
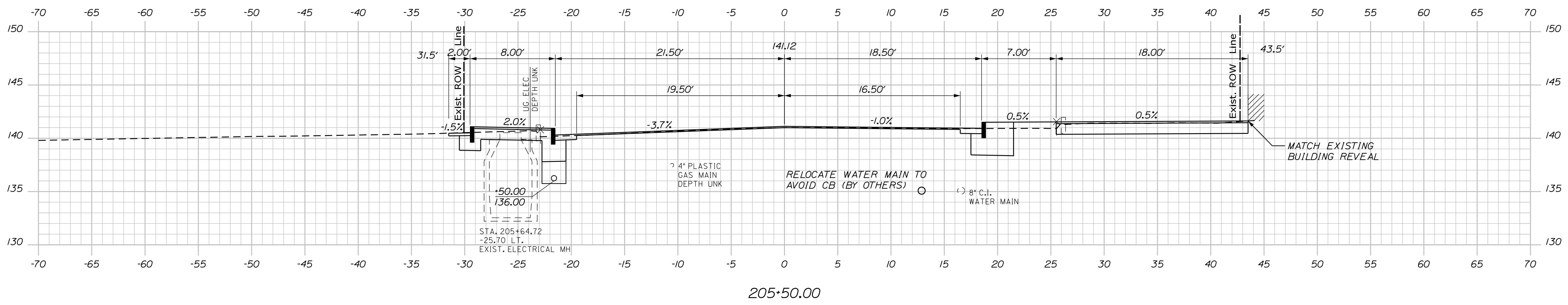
Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



STA. 30+00.00 THIRD STREET CONSTRUCTION =  
STA. 205+89.72 MILL STREET CONSTRUCTION



CB/9  
STA. 205+45.00, 17.38' RT.  
INSTALL CB TYPE AI-C  
RIM EL. = 140.85  
INV. OUT = 136.40

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
DESIGN/DETAILED		CHKD/REVIEWED	SIGNATURE
DESIGN/DETAILED		DESIGN/DETAILED	P.E. NUMBER
REVISIONS 1		REVISIONS 1	DATE
REVISIONS 2		REVISIONS 2	
REVISIONS 3		REVISIONS 3	
REVISIONS 4		REVISIONS 4	
FIELD CHANGES			

AUBURN  
MILL, MAIN AND BROAD STREETS  
CROSS SECTIONS

SHEET NUMBER

34

OF 49

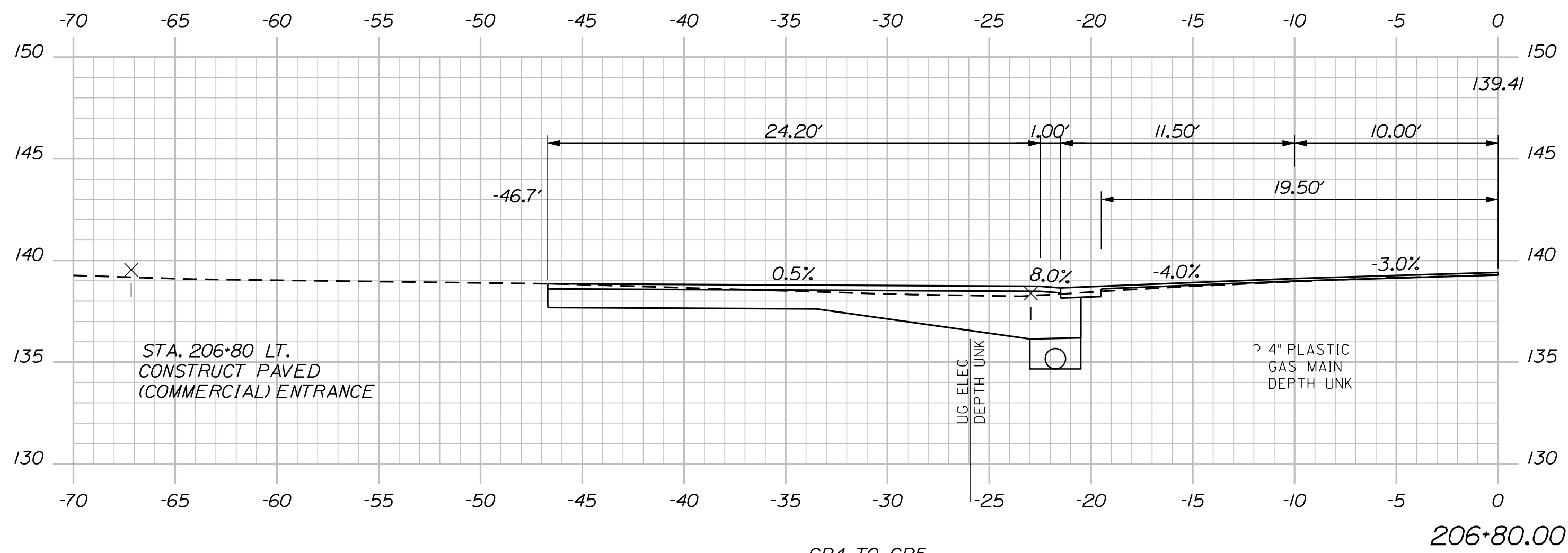
Date: 5/27/2022

Username: Mike.Cundiff

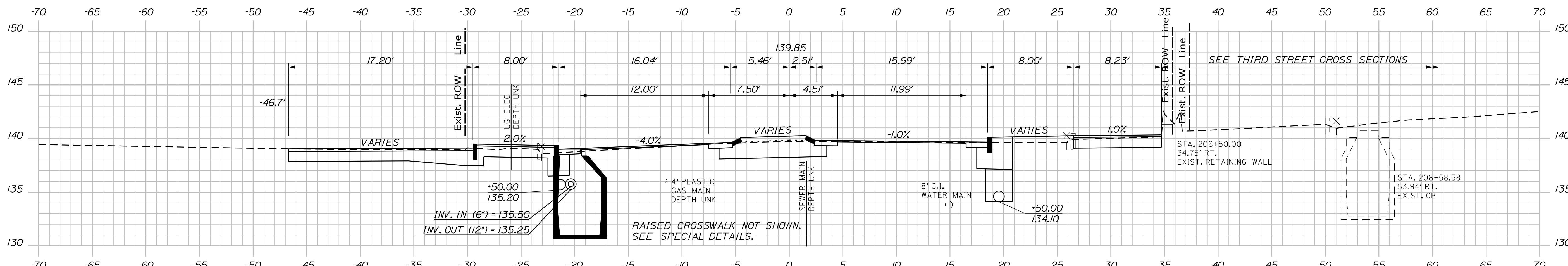
Division: HIGHWAY

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U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



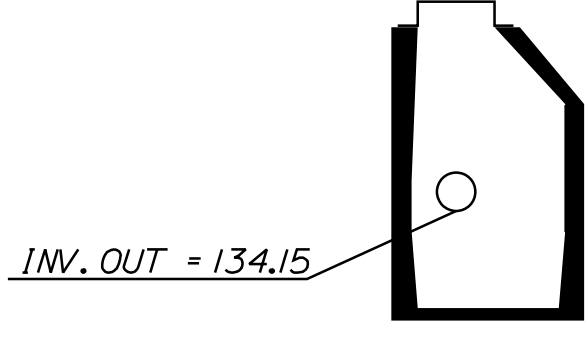
CB4 TO CB5  
INSTALL 90' x 12' UD TYPE 'C'



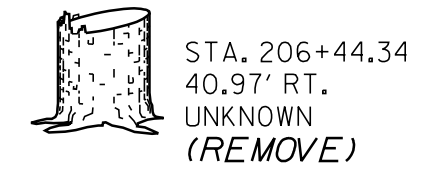
CB4  
STA. 206+43.17, 20.37' LT.  
INSTALL CB TYPE A5-C  
WITH 2' CONE  
RIM EL. = 139.00

STA. 206+44 TO STA. 206+73. LT.  
PROVIDE 4' CURB REVEAL

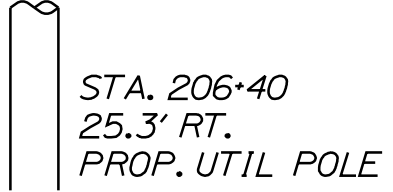
CB20 TO CB21  
INSTALL 142' x 12' UD TYPE 'C'



CB20  
STA. 206+43.17, 17.37' RT.  
INSTALL CB TYPE A5-C  
WITH 2' CONE  
RIM EL. = 139.60

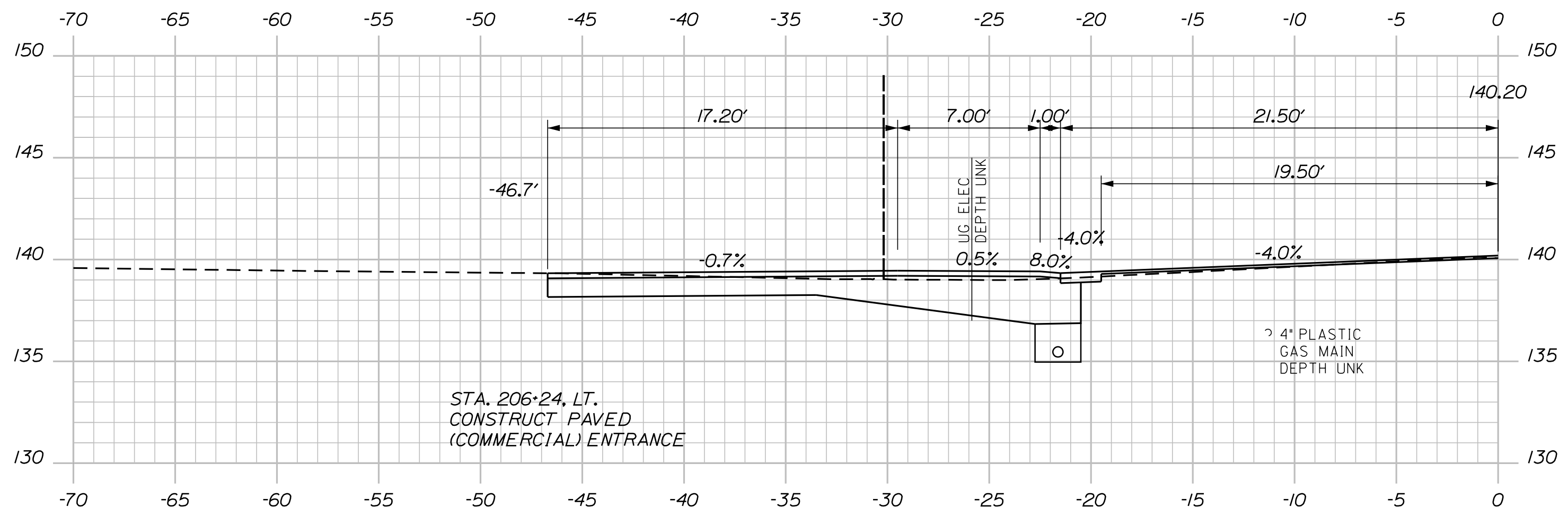


STA. 206+44.34  
40.97' RT.  
UNKNOWN  
(REMOVE)



STA. 206+40  
25.3' RT.  
PROP. UTIL POLE

STA. 206+24 TO STA. 206+50, RT.  
PROVIDE 5' CURB REVEAL



STA. 206+24, LT.  
CONSTRUCT PAVED  
(COMMERCIAL) ENTRANCE

206+24.00

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE	REVISIONS	FIELD CHANGES
TCL	05/22	MPC	05/22	DESIGN REVIEWED	
DGE				DESIGN DETAILED	
				REVISIONS 1	
				REVISIONS 2	
				REVISIONS 3	
				REVISIONS 4	

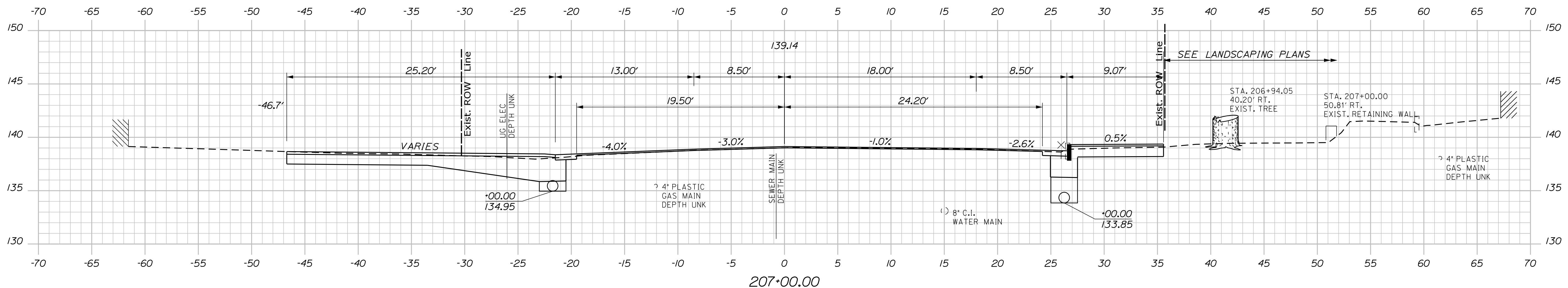
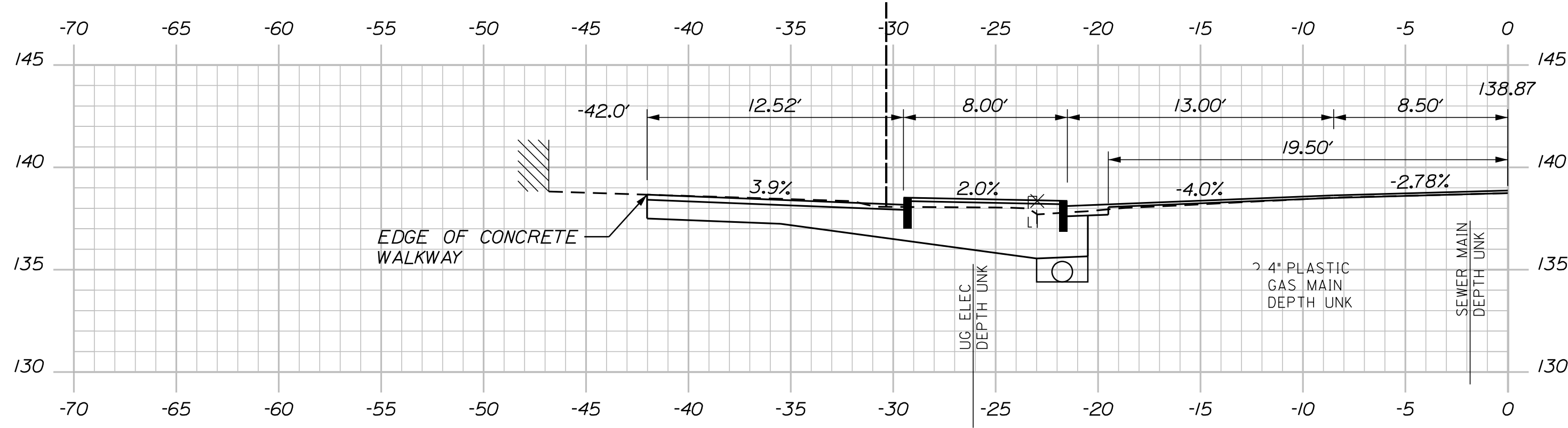
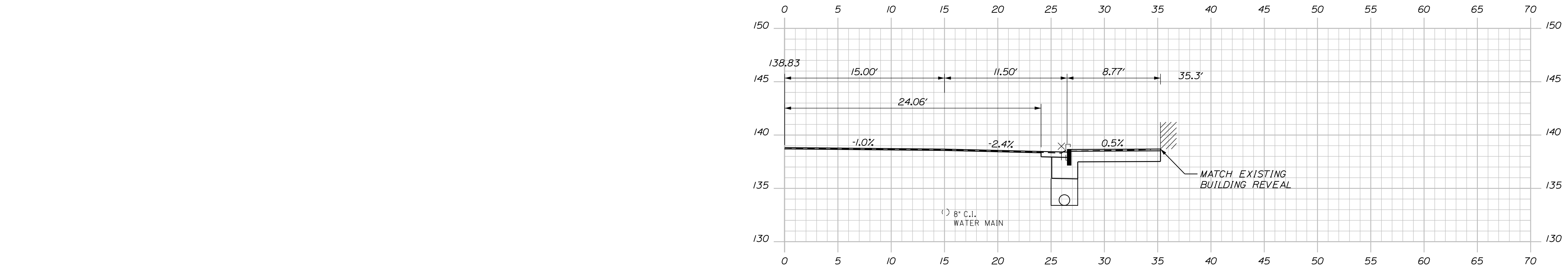
AUBURN  
MILL, MAIN AND BROAD STREETS  
CROSS SECTIONS

SHEET NUMBER

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OF 49





CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
DESIGNED			
CHECKED			
REVIEWED			
DESIGNED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
MILL, MAIN AND BROAD STREETS

SHEET NUMBER  
**36**  
OF 49

CROSS SECTIONS

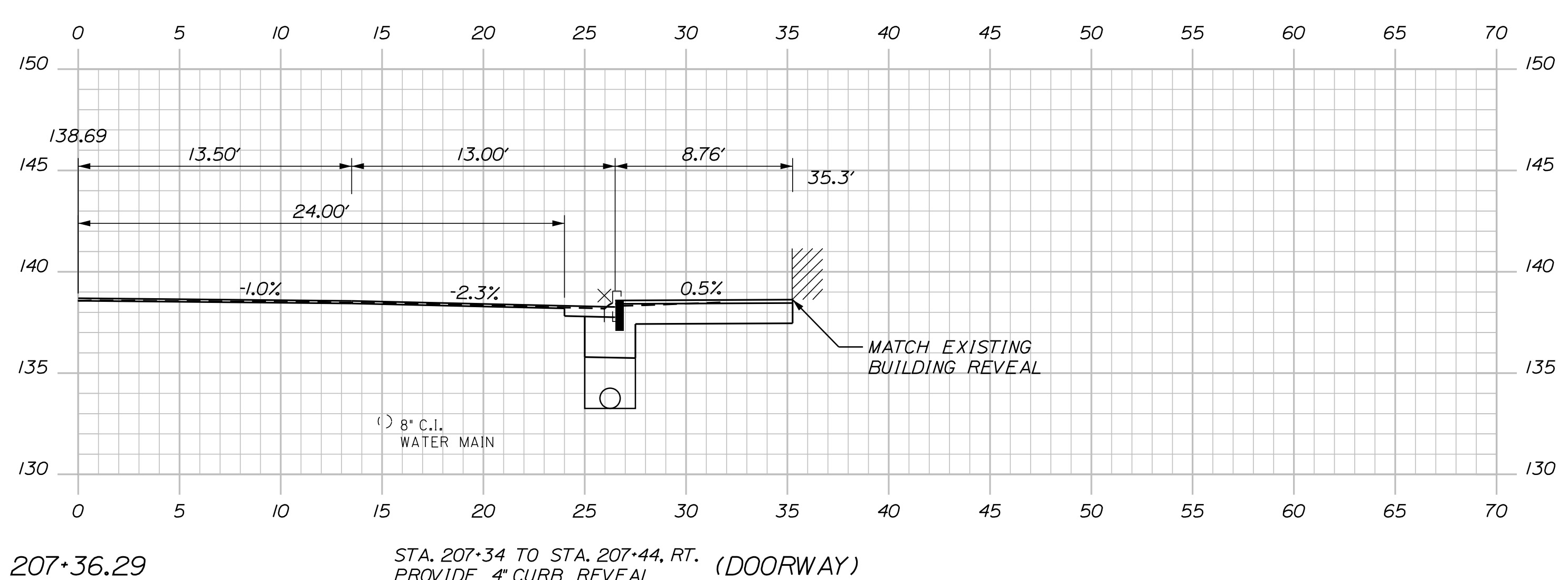
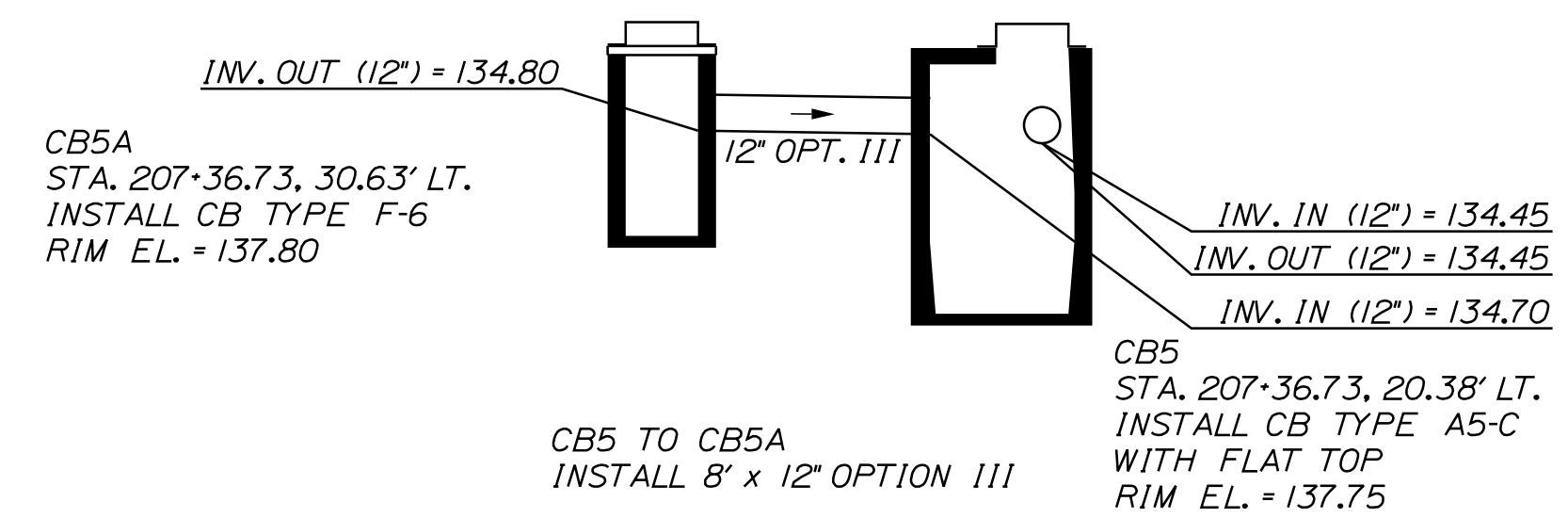
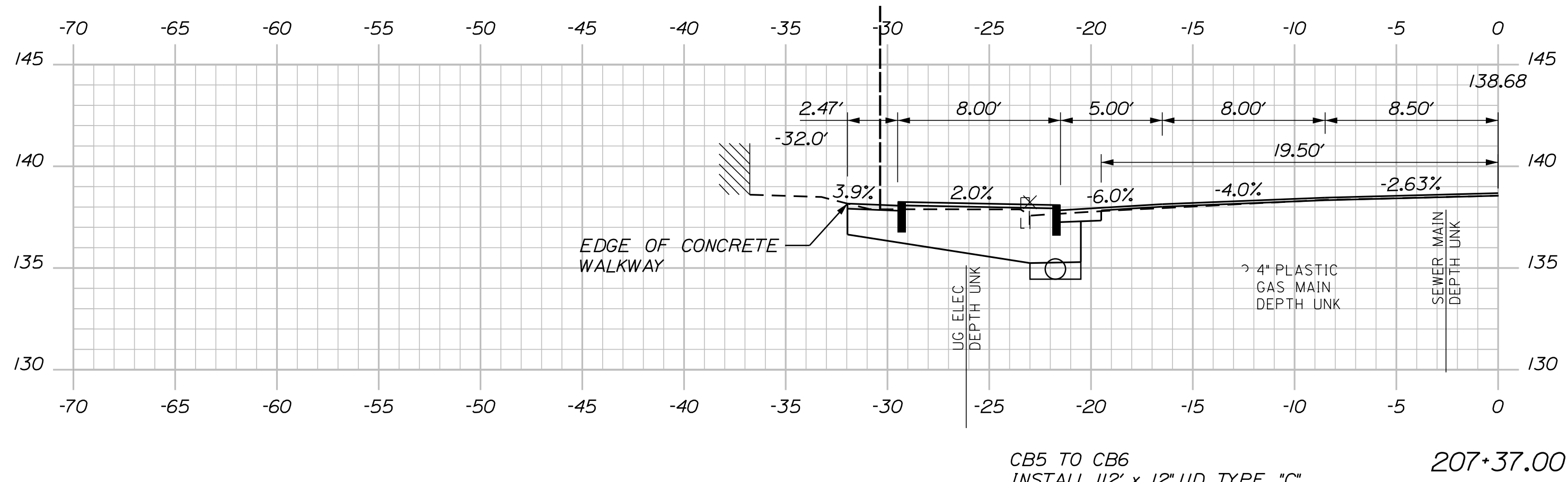
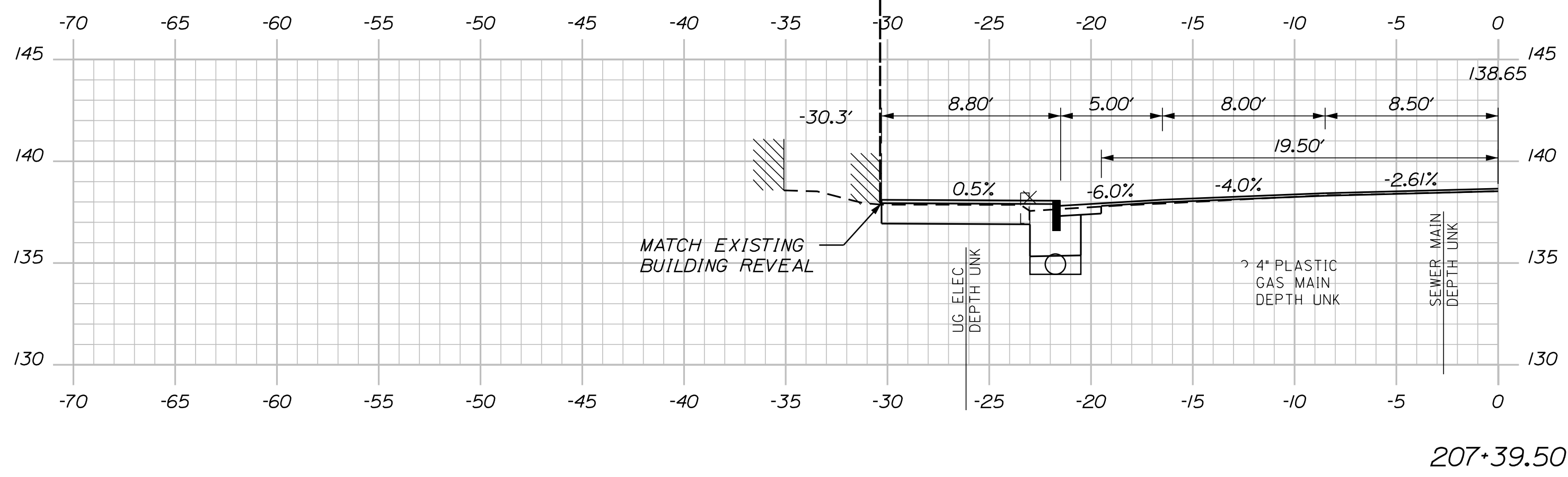
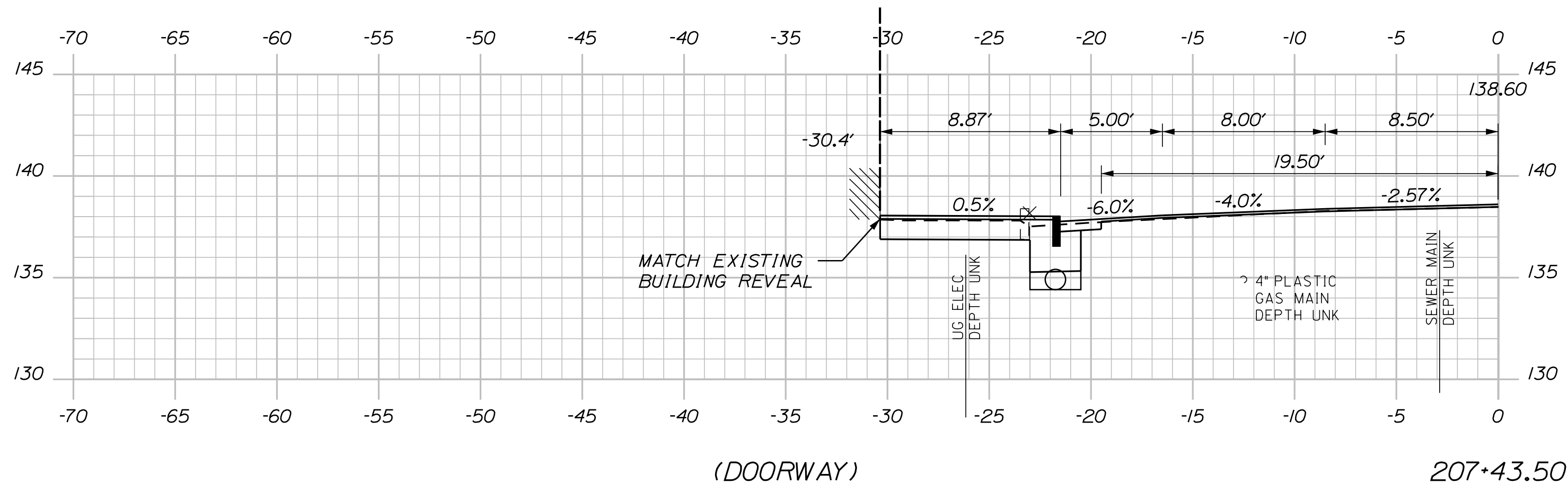
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



STA. 207+39  
27.5' RT.  
PROP. UTIL. POLE

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
DESIGNED/REVIEWED		SIGNATURE	
CHECKED/REVIEWED		P.E. NUMBER	
DESIGNS DETAILED		DATE	
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
MILL, MAIN AND BROAD STREETS

CROSS SECTIONS

SHEET NUMBER  
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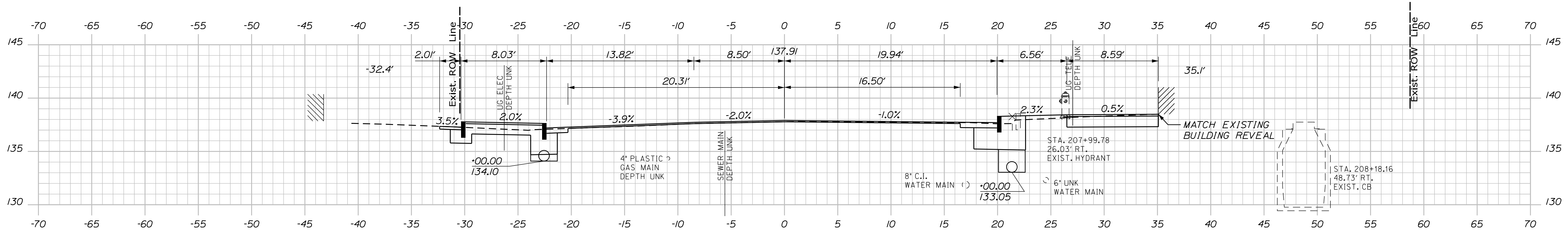
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn

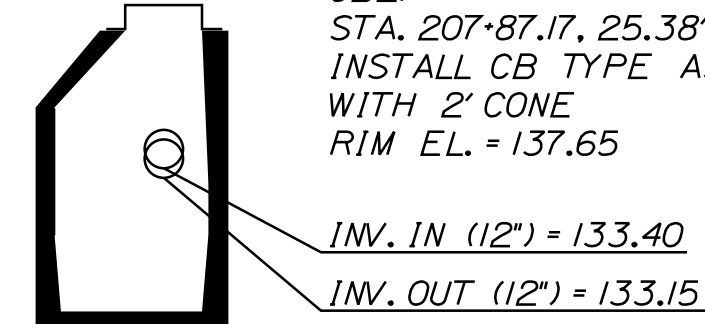


STA. 207+95 TO STA. 208+06, LT.  
(BACK CURB)  
PROVIDE 6' CURB REVEAL

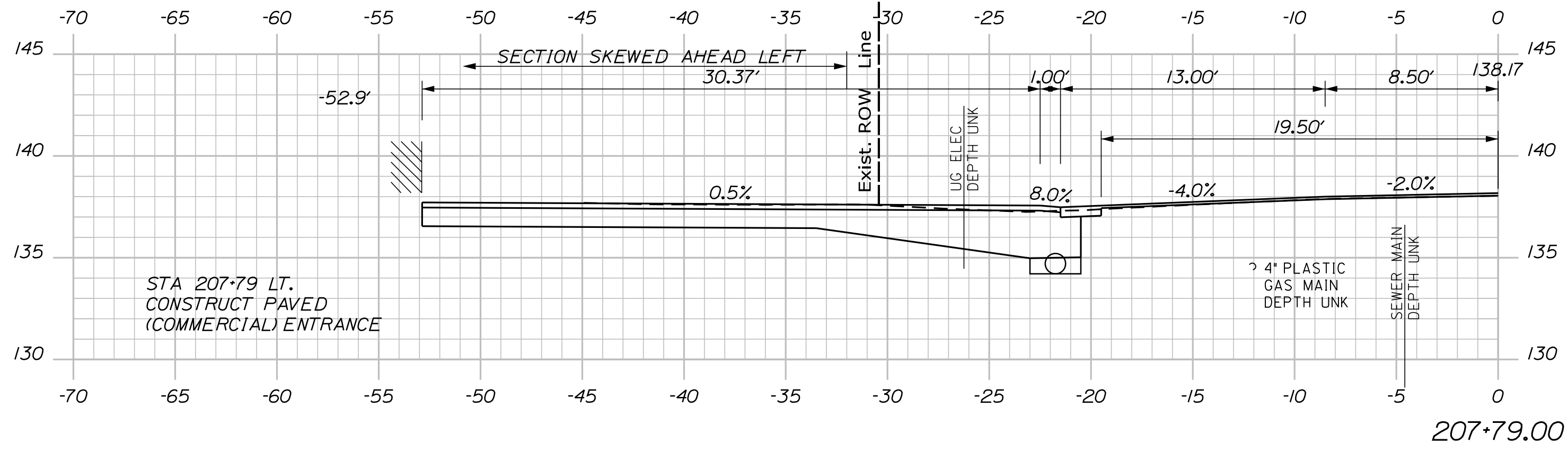
STA. 207+95 TO STA. 208+07, LT. 208+00.00  
PROVIDE 5' CURB REVEAL

CB21 TO CB22  
INSTALL 38' x 12' UD TYPE "C"

CB21  
STA. 207+87.17, 25.38' RT.  
INSTALL CB TYPE A5-C  
WITH 2' CONE  
RIM EL. = 137.65

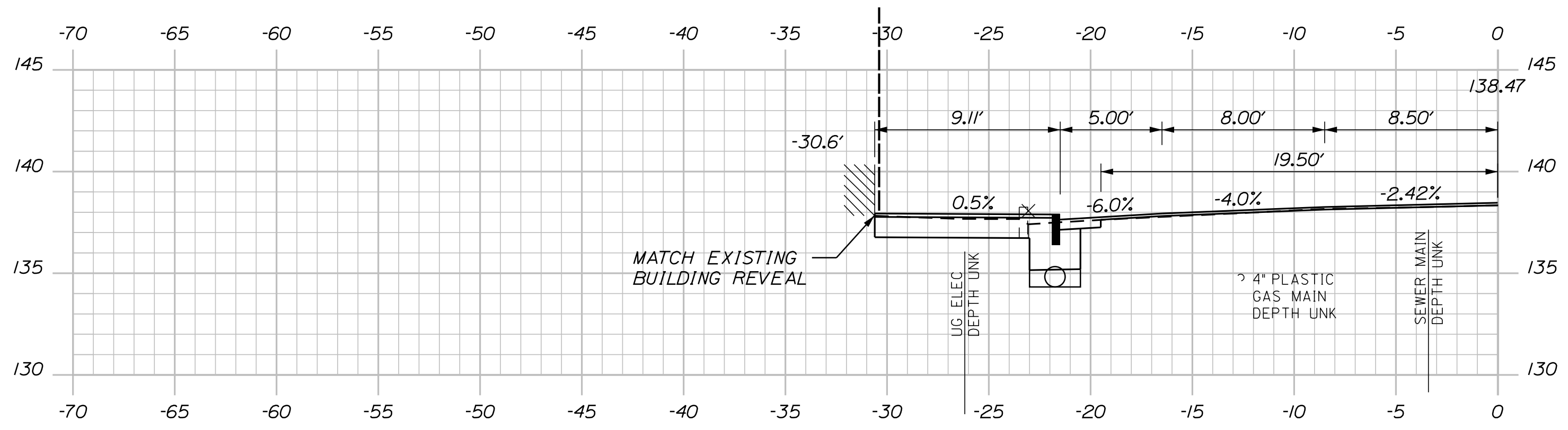


STA. 207+84.58  
26.60' RT.  
EXIST. 24" DECID. STUMP  
(REMOVE)



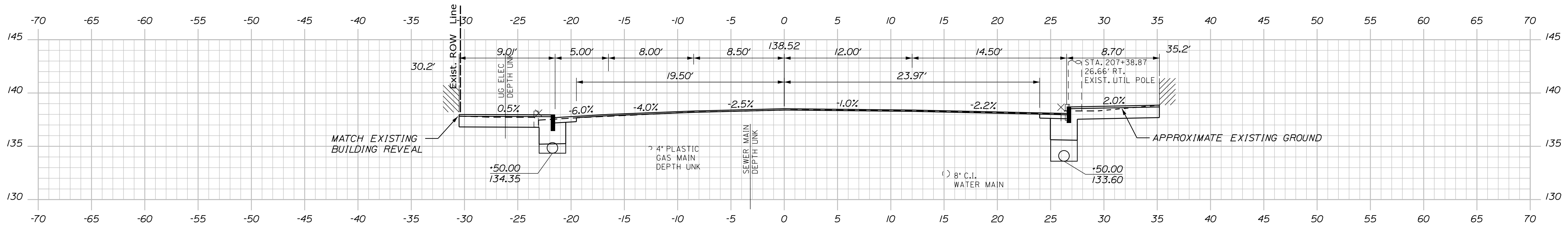
STA. 207+79 LT.  
CONSTRUCT PAVED  
(COMMERCIAL) ENTRANCE

207+79.00



(DOORWAY)

207+54.49



207+50.00

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

AUBURN  
MILL, MAIN AND BROAD STREETS

CROSS SECTIONS

SHEET NUMBER

38

OF 49

PROJ. MANAGER	BIKEEZER	BY	DATE
TCL	MPC		05/22
CHECKED-REVIEWED	DGE		05/22
DESIGN-REVIEWED			
DESIGN-REVIEWED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

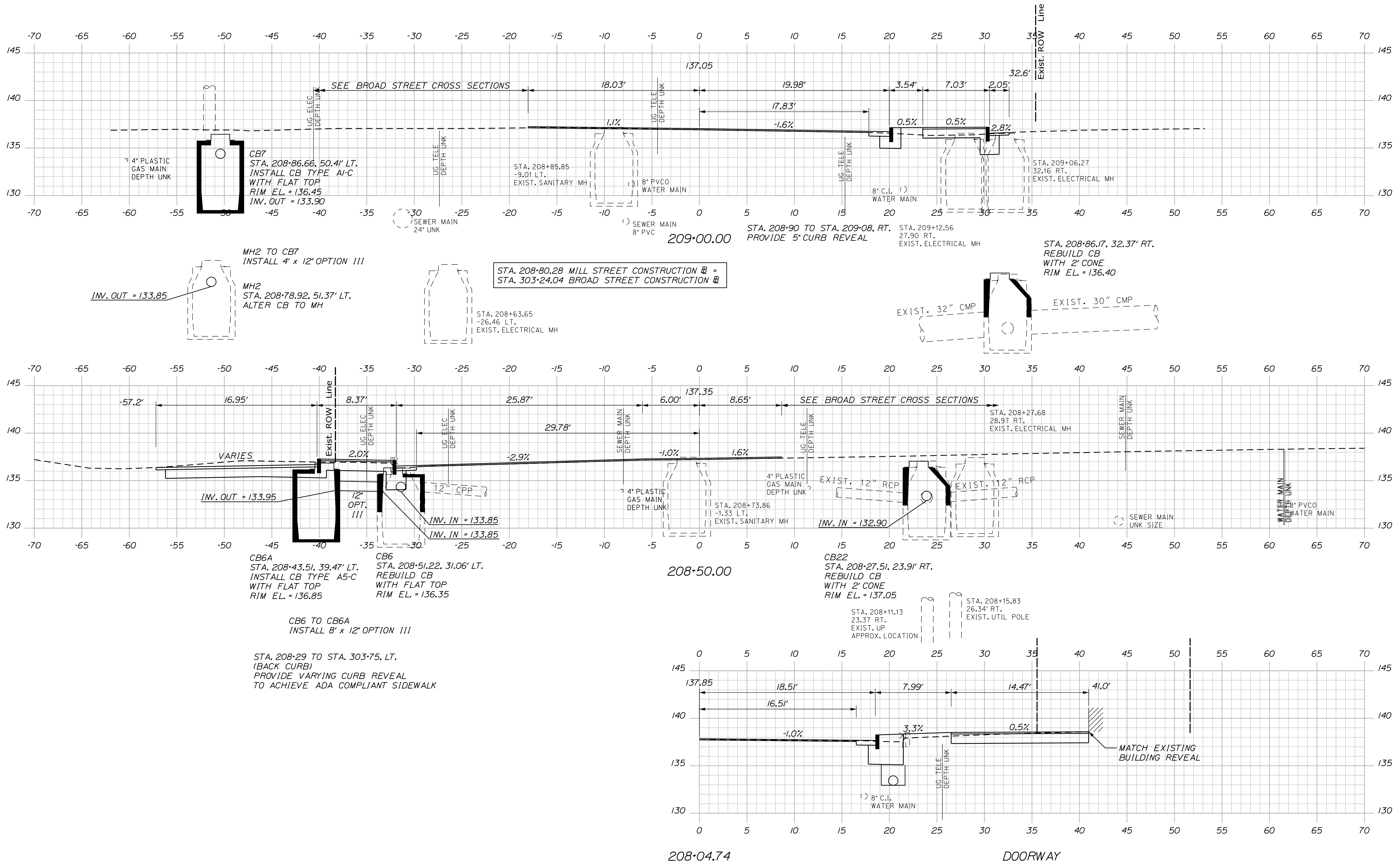
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
CHECKED-REVIEWED	DESIGNED	DESIGNED	SIGNATURE
DESIGNS DETAILED	DESIGNS DETAILED	DESIGNS DETAILED	P.E. NUMBER
REVISIONS 1	REVISIONS 1	REVISIONS 1	DATE
REVISIONS 2	REVISIONS 2	REVISIONS 2	
REVISIONS 3	REVISIONS 3	REVISIONS 3	
REVISIONS 4	REVISIONS 4	REVISIONS 4	
FIELD CHANGES			

AUBURN  
MILL, MAIN AND BROAD STREETS

CROSS SECTIONS

SHEET NUMBER  
**39**

OF 49



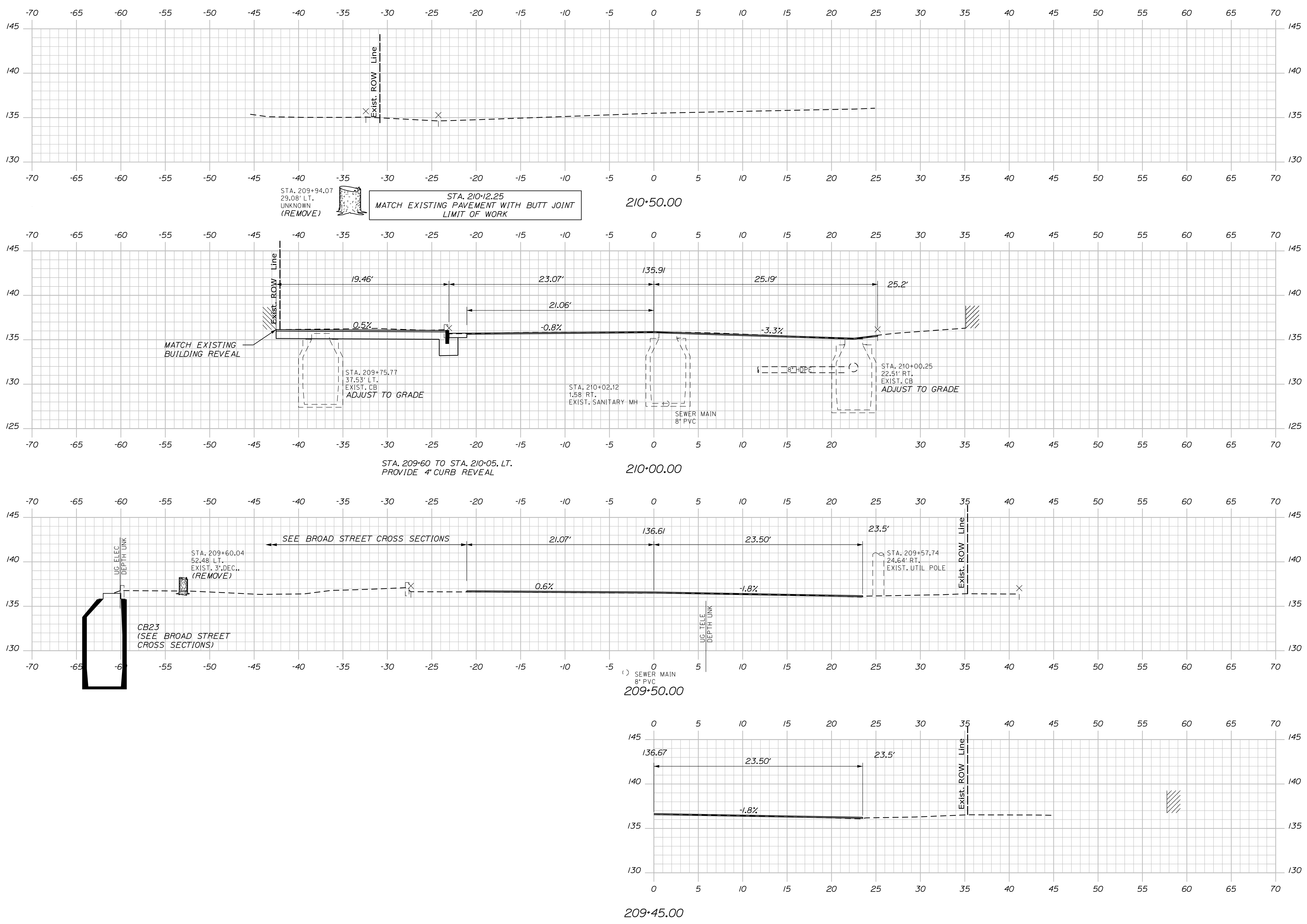
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



CITY OF AUBURN  
 60 COURT STREET  
 AUBURN, MAINE 04210

WIN  
 18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
CHECKED-REVIEWED		DESIGNED	
DESIGNED-REVIEWED		DESIGNED-REVIEWED	
DESIGNED-REVIEWED		DESIGNED-REVIEWED	
REVISIONS 1		REVISIONS 1	
REVISIONS 2		REVISIONS 2	
REVISIONS 3		REVISIONS 3	
REVISIONS 4		REVISIONS 4	
FIELD CHANGES			

AUBURN  
 MILL, MAIN AND BROAD STREETS

CROSS SECTIONS

SHEET NUMBER  
**40**  
 OF 49

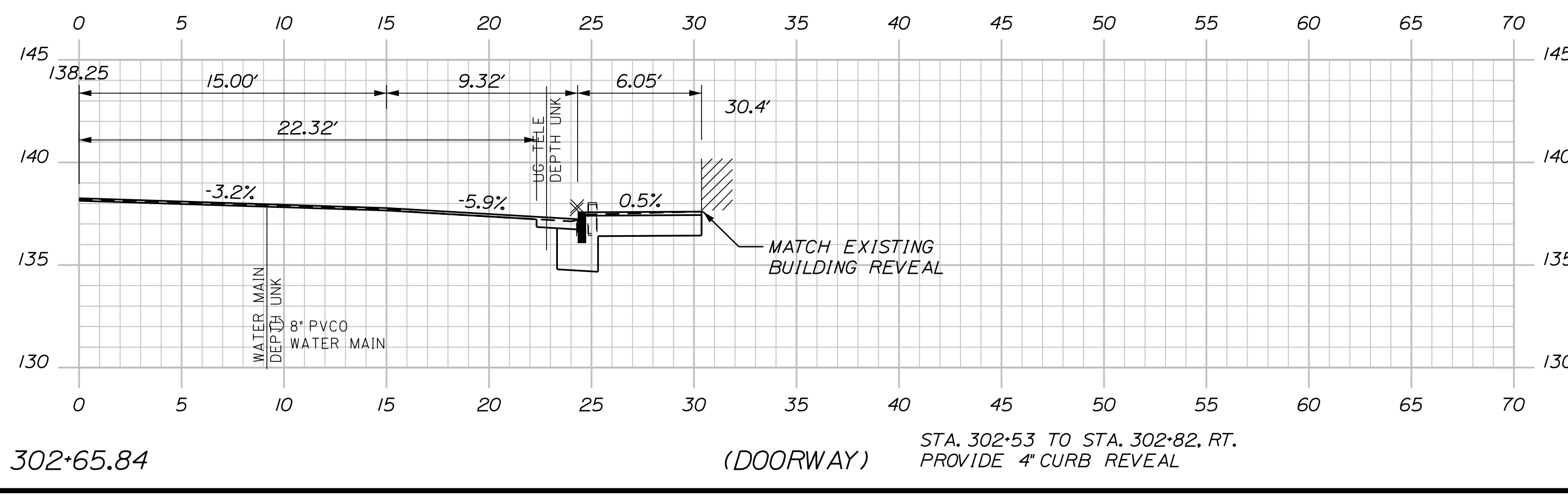
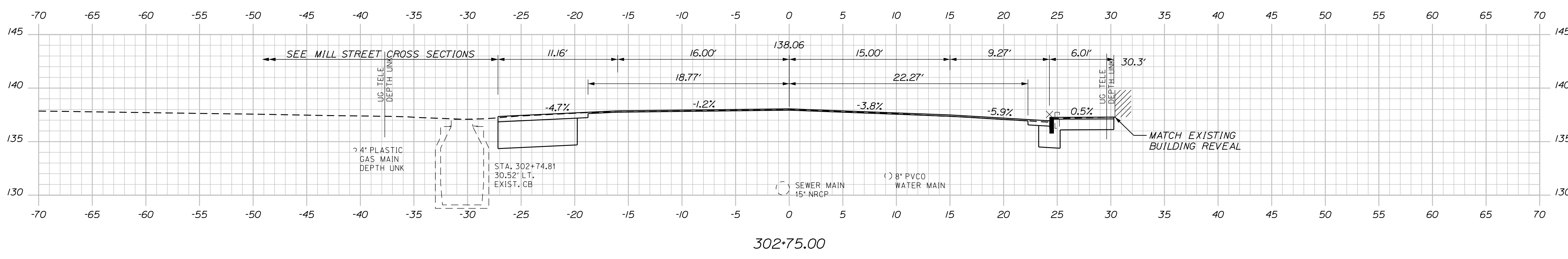
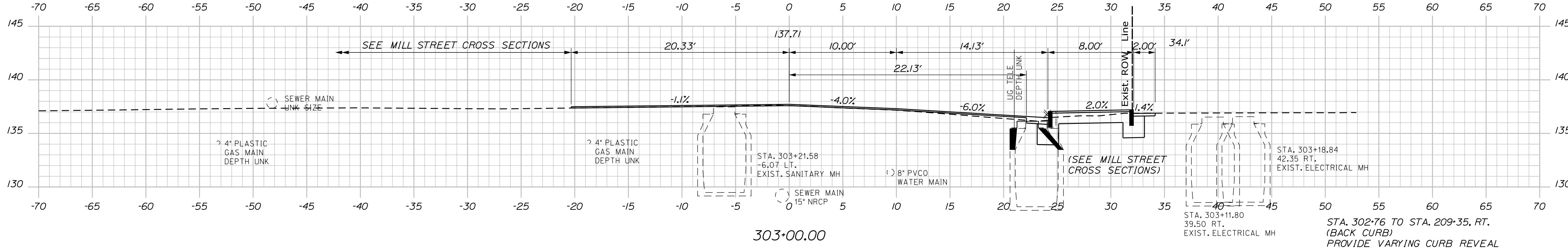
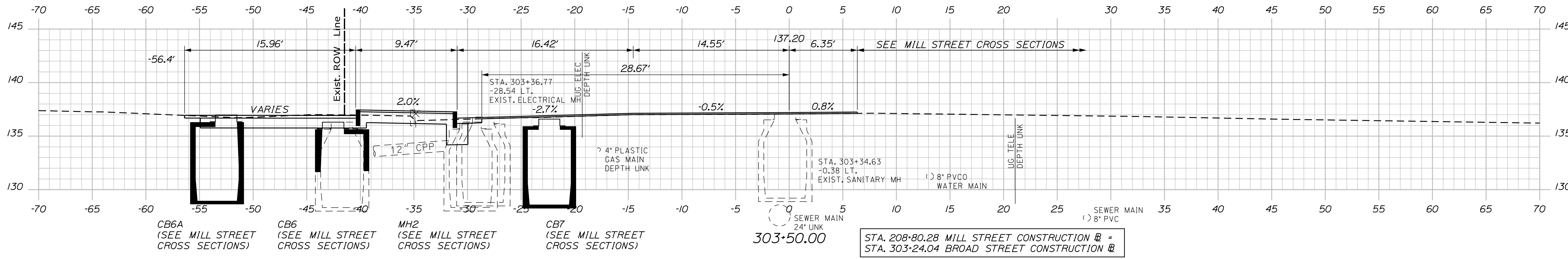
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	DATE	BY	DATE
DESIGN-DETAILED	05/22	MPC	05/22
CHECKED-REVIEWED			
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

AUBURN  
MILL, MAIN AND BROAD STREETS

CROSS SECTIONS

SHEET NUMBER  
**41**  
OF 49



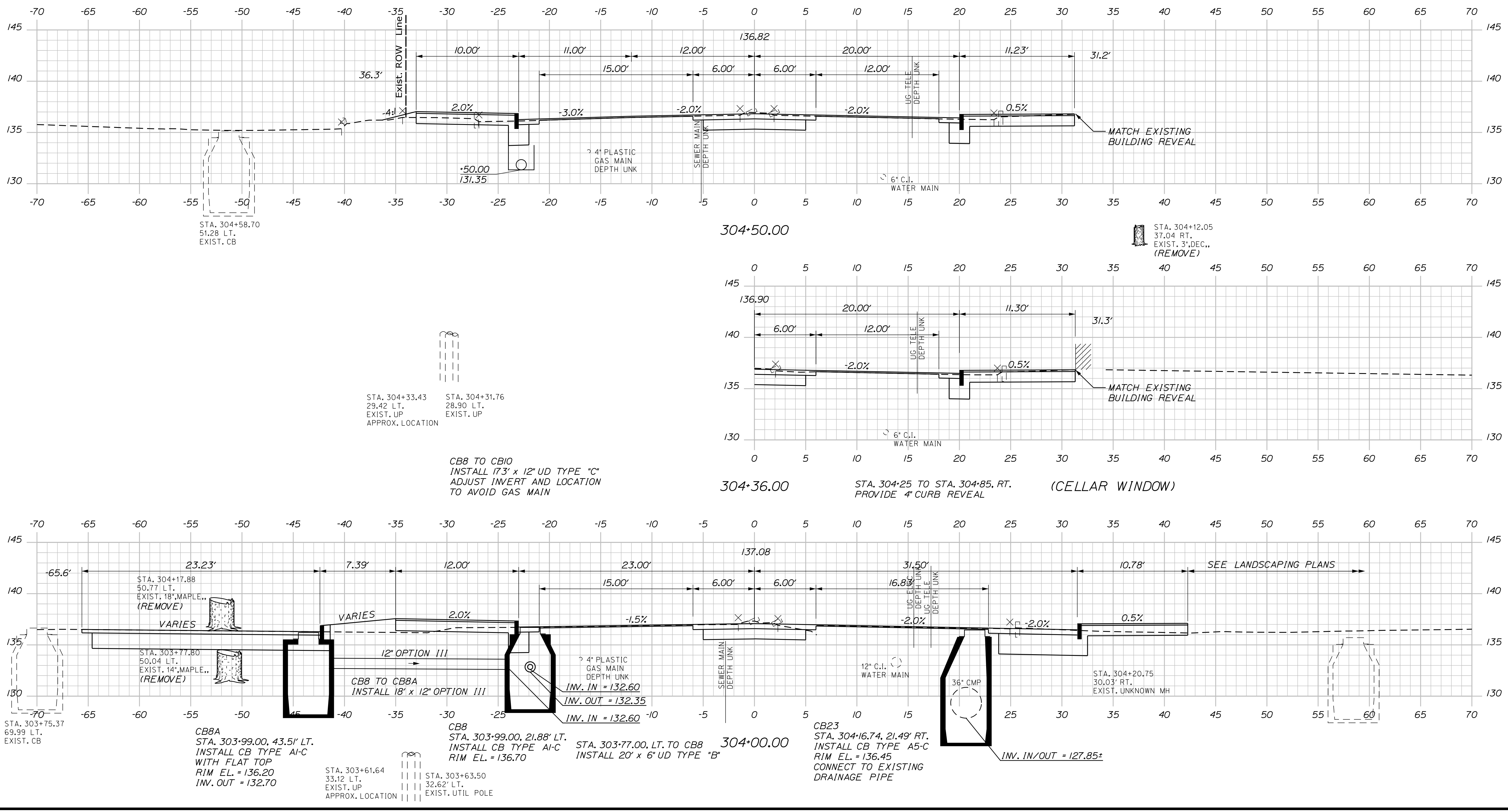
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ...Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



CITY OF AUBURN  
 60 COURT STREET  
 AUBURN, MAINE 04210

WIN  
 18651.00

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
DESIGN-REVIEWED		DESIGNED	
DESIGNED		DESIGNED	
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
 MILL, MAIN AND BROAD STREETS

CROSS SECTIONS

SHEET NUMBER  
**42**  
 OF 49

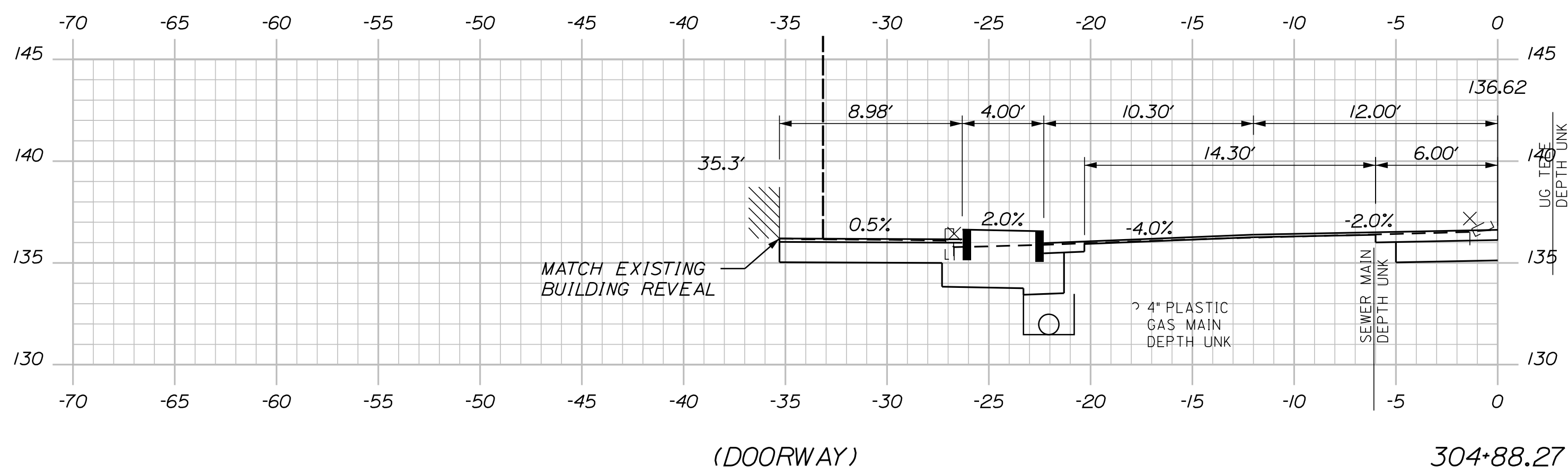
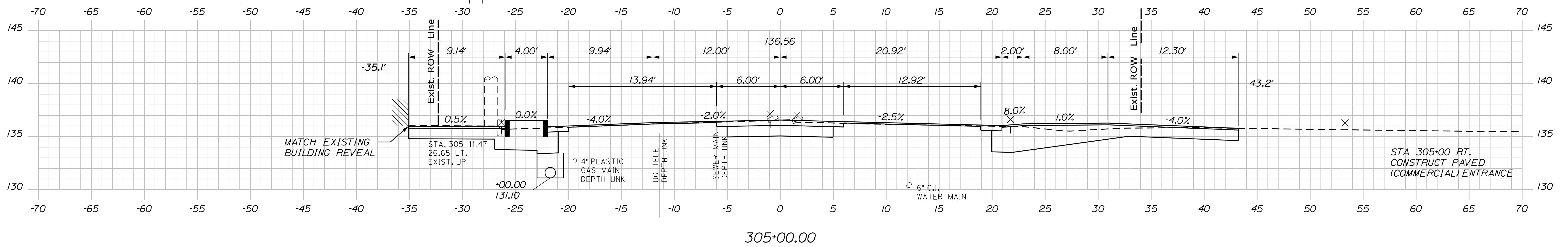
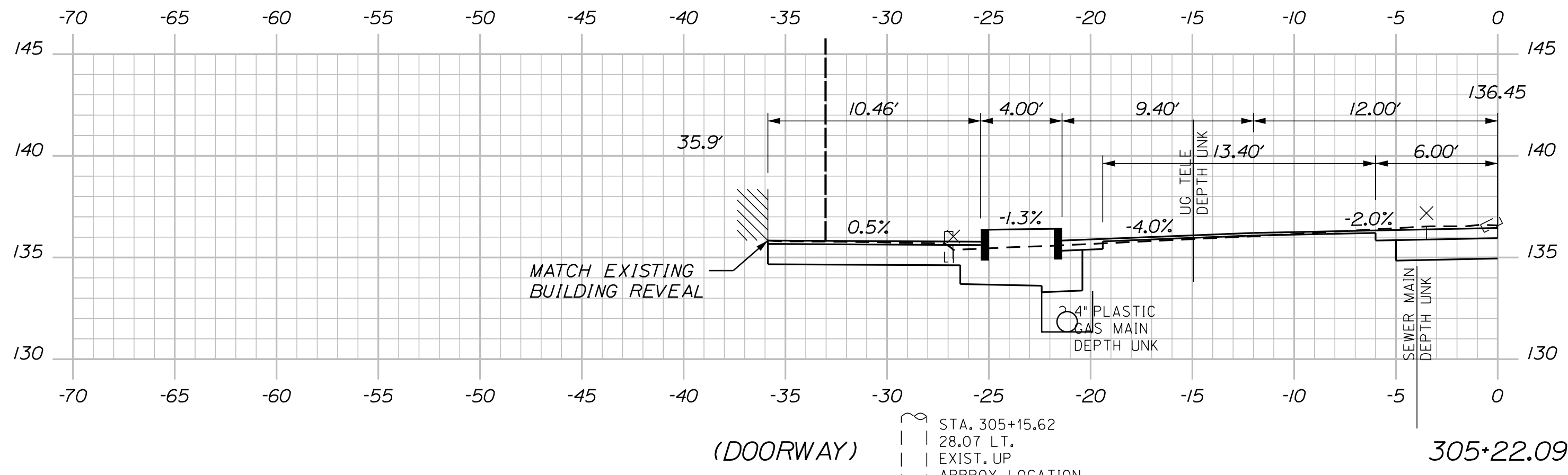
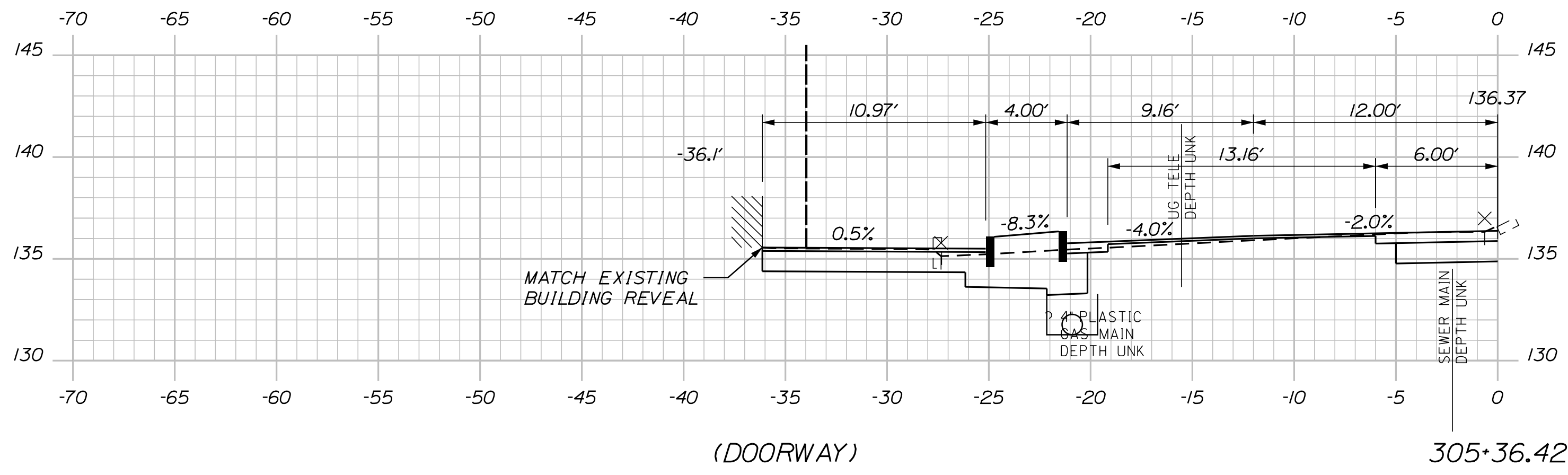
Date: 5/27/2022


Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



 STA. 304+83.61  
 23.75 RT.  
 EXIST. HYDRANT

CITY OF AUBURN  
 60 COURT STREET  
 AUBURN, MAINE 04210  
 WIN  
 18651.00

PROJ. MANAGER	BIKEEZER	BY	DATE
DESIGN/DETAILED	TCL	MPC	05/22
CHECKED/REVIEWED	DGE		05/22
DESIGNS/DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
 MILL, MAIN AND BROAD STREETS  
 CROSS SECTIONS

SHEET NUMBER  
**43**  
 OF 49



Date: 5/27/2022

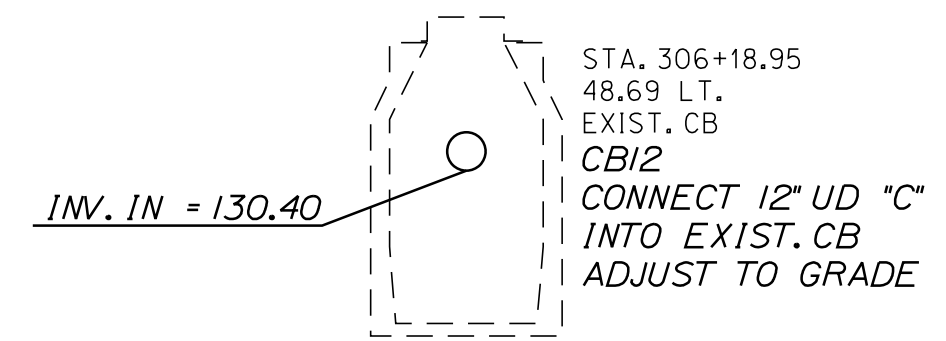
Username: Mike.Cundiff

Division: HIGHWAY

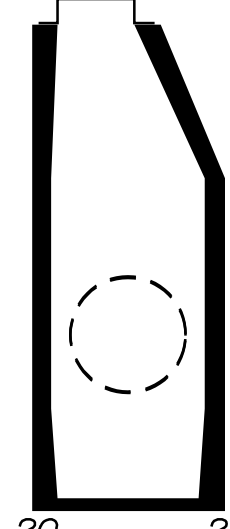
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U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn

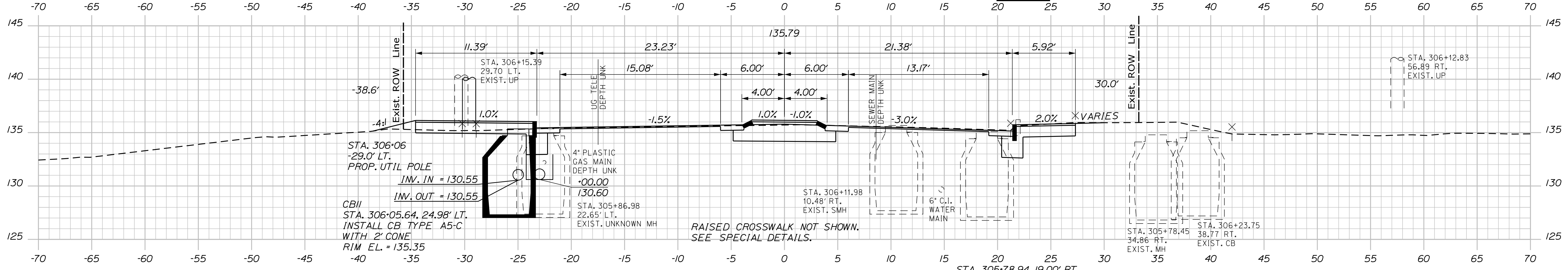
STA. 306+20.74  
END PROJECT WIN 18651.00  
END ROADSIDE IMPROVEMENTS AND OVERLAY  
MATCH EXISTING PAVEMENT WITH BUTT JOINT  
LIMIT OF WORK



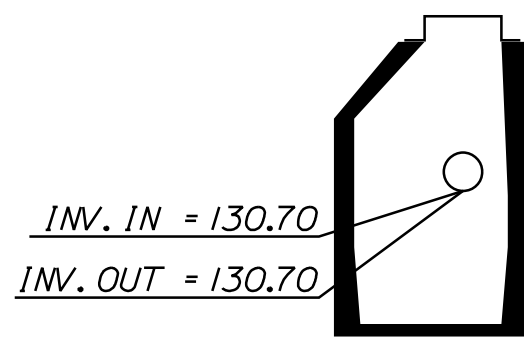
CB11 TO CB12  
INSTALL 25' x 12" UD TYPE "C"



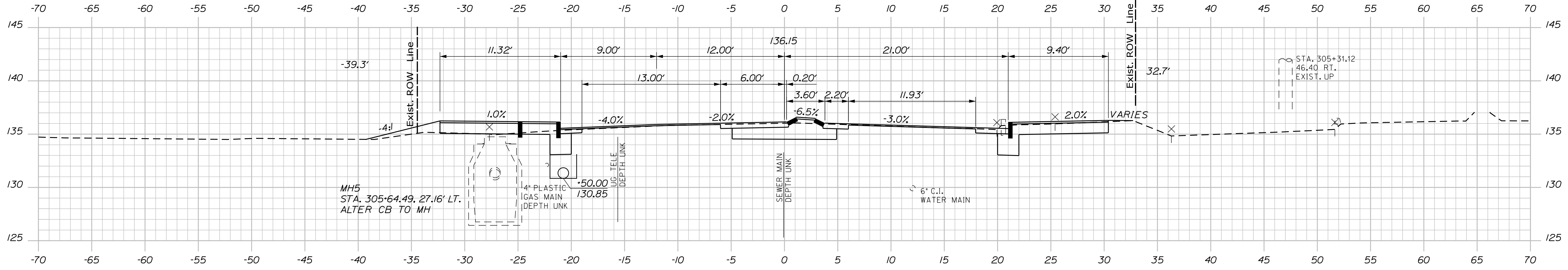
CB24  
STA. 306+04.90, 21.56' RT.  
INSTALL CB TYPE B5-C  
RIM EL. = 135.25  
CONNECT TO EXIST. 36" PIPE  
INV. IN (EXIST. 36") = 125.03±  
INV. OUT (EXIST. 36") = 124.99±



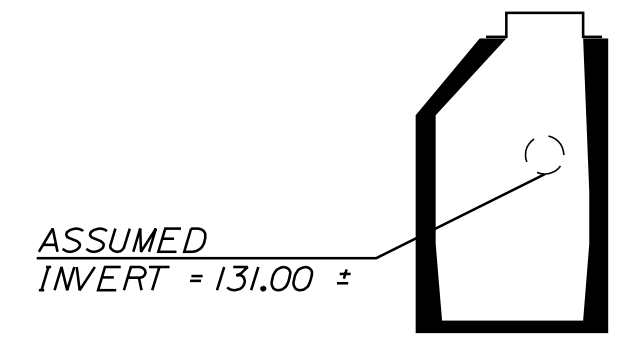
306+00.00



CB10  
STA. 305+80.00, 19.87' LT.  
INSTALL CB TYPE A5-C  
WITH 2' CONE  
RIM EL. = 135.25



305+50.00



CB9  
STA. 305+39.64, 26.24' LT.  
INSTALL CB TYPE A5-C  
WITH 2' CONE  
RIM EL. = 135.20  
CONNECT TO EXISTING DRAINAGE PIPE

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

AUBURN  
MILL, MAIN AND BROAD STREETS  
CROSS SECTIONS

SHEET NUMBER

44

OF 49

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
DESIGN-REVIEWED		DESIGN-REVIEWED	
DESIGN-REVIEWED		DESIGN-REVIEWED	
DESIGN-REVIEWED		DESIGN-REVIEWED	
REVISIONS 1		REVISIONS 1	
REVISIONS 2		REVISIONS 2	
REVISIONS 3		REVISIONS 3	
REVISIONS 4		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES	

SIGNATURE  
P.E. NUMBER  
DATE

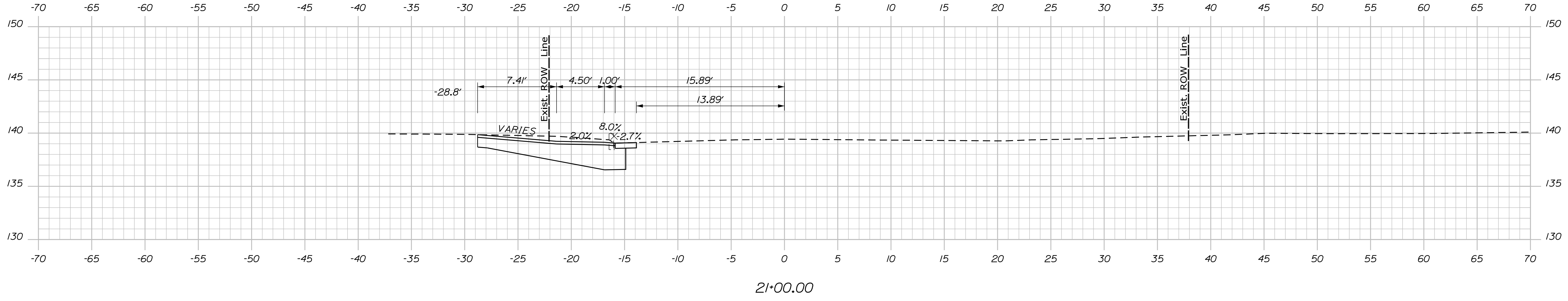
Date: 5/27/2022

Username: Mike.Cundiff

Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

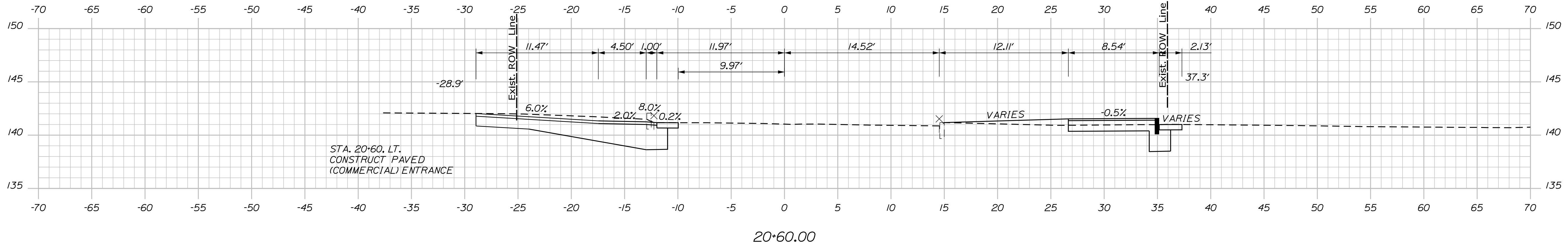
U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



21+00.00

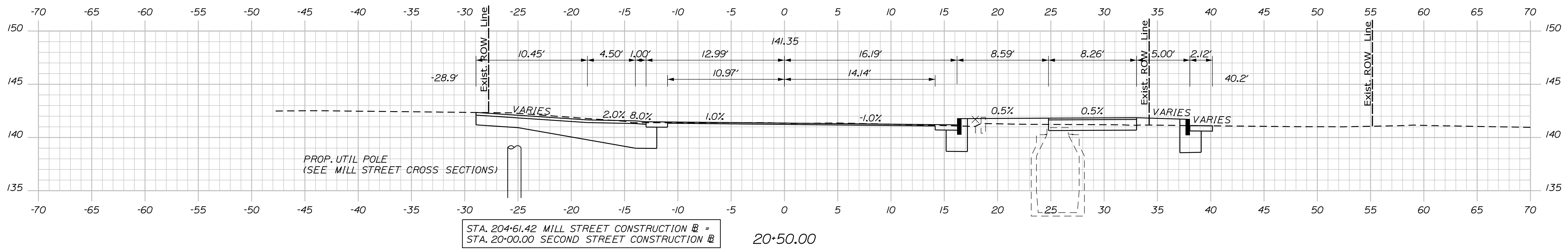
STA. 20+60.00  
MATCH EXISTING PAVEMENT

STA. 20+68.00  
20.21' RT.  
UNKNOWN  
(REMOVE)



STA. 20+60.00 LT.  
CONSTRUCT PAVED  
(COMMERCIAL) ENTRANCE

20+60.00



PROP. UTIL POLE  
(SEE MILL STREET CROSS SECTIONS)

STA. 20+61.42 MILL STREET CONSTRUCTION @ =  
STA. 20+00.00 SECOND STREET CONSTRUCTION @

20+50.00

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

PROJ. MANAGER	DATE	BY	DATE
TCL	05/22	MPC	05/22
DESIGNED		DRG	
CHECKED		DES	
DESIGNED		DES	
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

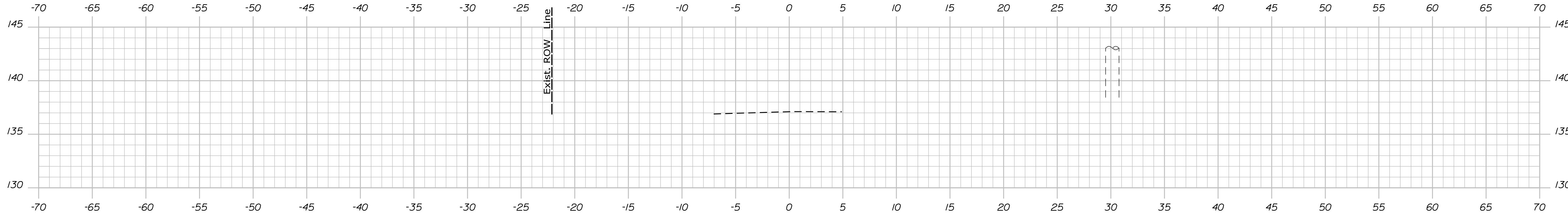
SIGNATURE	P.E. NUMBER	DATE

AUBURN  
MILL, MAIN AND BROAD STREETS

CROSS SECTIONS

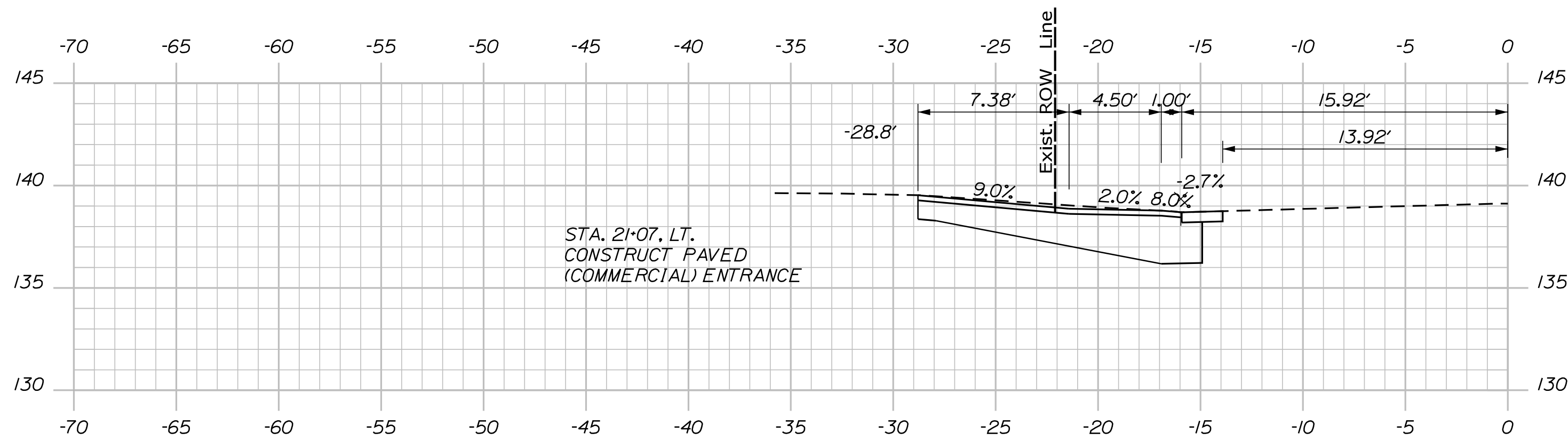
SHEET NUMBER  
**45**  
OF 49

WIN  
18651.00



21+50.00

STA. 21+27.86  
LIMIT OF WORK



21+07.00

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

DESIGN/DATE	05/22	SIGNATURE
CHECKED/DATE	05/22	
DESIGNED/DATE		
DESIGNED/DATE		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROJ. MANAGER	BIKEEZER	BY	DATE
TCL	MPC		
DGE			

AUBURN  
MILL, MAIN AND BROAD STREETS  
CROSS SECTIONS

SHEET NUMBER

46

OF 49



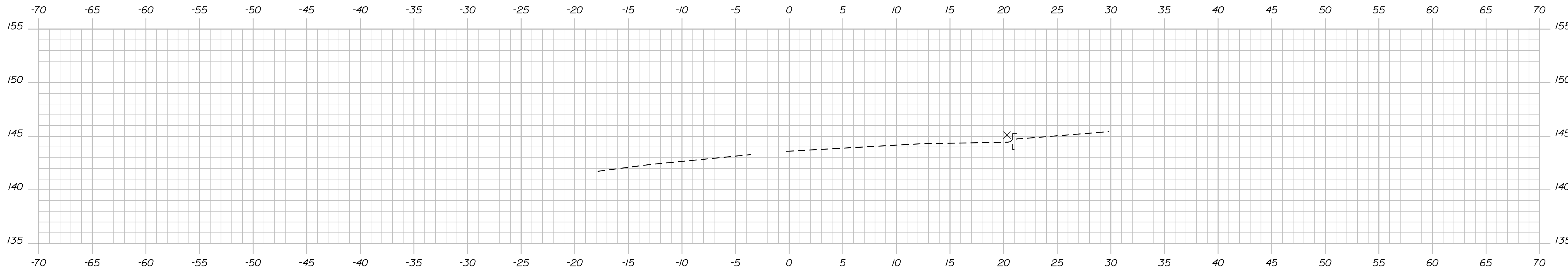
Date: 5/27/2022

Username: Mike.Cundiff

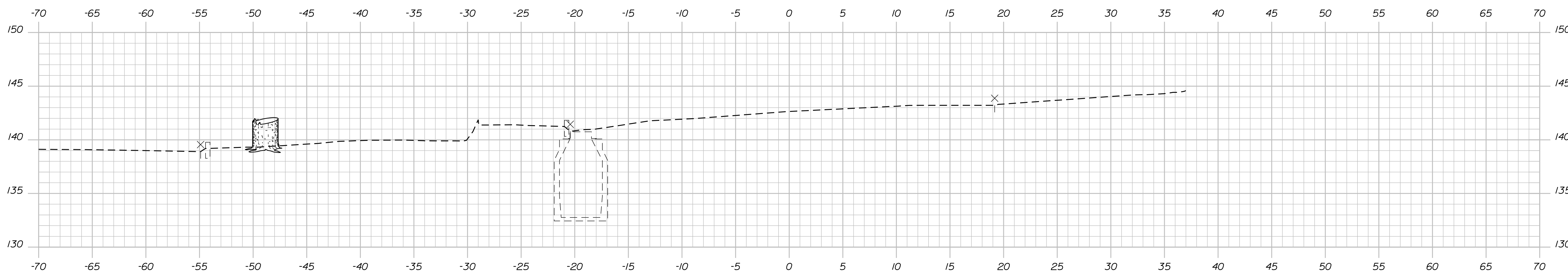
Division: HIGHWAY

Filename: ... \Z - CAD\00\Highway\Xsect.dgn

U:\3318-Auburn, Mill & Main St Intersection\Z - CAD\00\Highway\Xsect.dgn



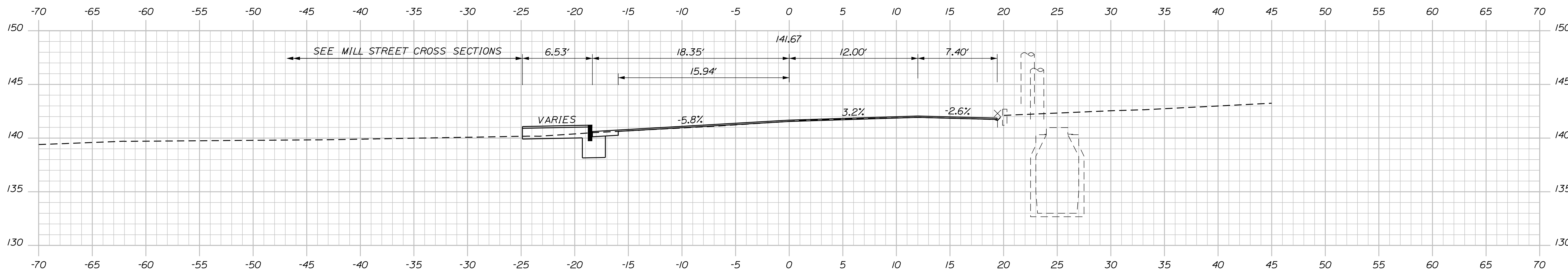
31+50.00



31+00.00

STA. 30+95.81  
LIMIT OF WORK

STA. 30+85.74  
MATCH EXISTING PAVEMENT



30+50.00

STA. 205+89.72 MILL STREET CONSTRUCTION =  
STA. 30+00.00 THIRD STREET CONSTRUCTION =

CITY OF AUBURN  
60 COURT STREET  
AUBURN, MAINE 04210

WIN  
18651.00

PROJ. MANAGER	BIKEEZER	BY	DATE
DESIGN DETAILED	TCL	MPC	05/22
CHECKED-REVIEWED	DGE		05/22
DESIGN DETAILED			
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
MILL, MAIN AND BROAD STREETS  
CROSS SECTIONS

SHEET NUMBER

47

OF 49

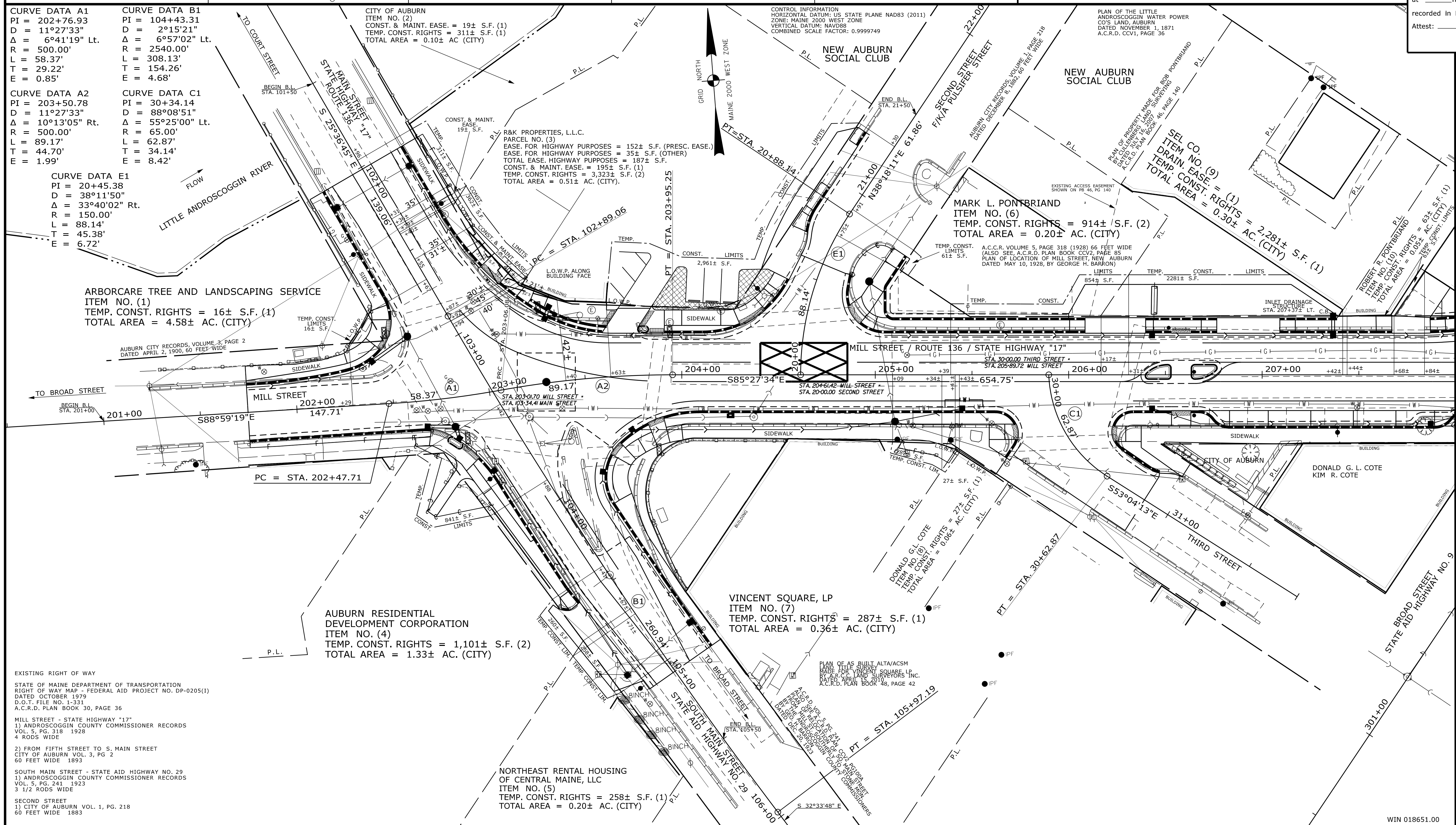
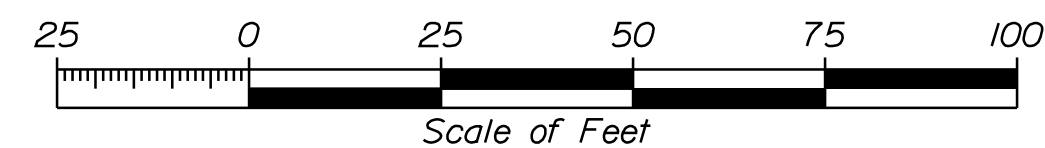
Sta. 30+50.00 to Sta. 31+50.00

PLAN LEGEND	
<p>Town, County, State _____</p> <p>Approx. Property Lines _____ P.L.</p> <p>Existing Right of Way _____ L.O.W.P.</p> <p>Limits of Wrought Portion _____ C.O.A.</p> <p>Control Of Access _____</p> <p>New Right of Way _____</p> <p>New Easement _____</p> <p>New Temporary Rights _____</p> <p>New R/W Within Existing R/W _____</p>	<p>New R/W Along Existing R/W</p> <p>Building _____</p> <p>Trees Conifer _____ Deciduous _____</p> <p>Tree Line _____</p> <p>Water Edge _____</p> <p>Ledge _____</p> <p>Fence CHAIN LINK _____ BARB WIRE _____ STOCKADE _____</p> <p>Sign _____</p> <p>Well _____</p> <p>Mallbox _____</p> <p>Sanitary Sewer _____</p> <p>Telephone Line _____</p> <p>Electric Line _____</p> <p>Water Line _____</p> <p>Underdrain Line _____</p> <p>Gas Line _____</p> <p>Guardrail _____</p> <p>Culvert _____</p> <p>Existing _____ Proposed _____</p> <p>Travelled Way _____</p> <p>Ditch _____</p> <p>Catch Basin _____</p> <p>Manhole _____</p> <p>Sewer Manhole _____</p> <p>Utility Pole _____</p> <p>Fire Hydrant _____</p> <p>Curbing _____</p> <p>Existing _____ Proposed _____</p> <p>Cut Line _____</p> <p>Stonewall _____</p> <p>Baseline _____</p> <p>Monument _____</p> <p>Iron Rod Found _____ IRF</p> <p>Replacement Pin Set _____</p> <p>Fill Line _____</p> <p>Retaining Wall _____</p> <p>Traverse Point _____</p> <p>Pipe Found _____ IPF</p>

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.

STATE OF MAINE  
REGISTRY OF DEEDS

COUNTY \_\_\_\_\_  
RECEIVED \_\_\_\_\_  
at \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ M and  
recorded in Plan Bk \_\_\_\_\_, Pg. \_\_\_\_\_  
Attest: \_\_\_\_\_ REGISTER



REVISIONS			PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD						
NO.	DATE	DESCRIPTION	BY	NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE				
						COND.	4-19-22	11082	254				

BRUCE A. VAN NOTE  
COMMISSIONER  
JOYCE NOEL TAYLOR  
CHIEF ENGINEER

DATE \_\_\_\_\_

STATE HIGHWAY "17"  
MILL STREET  
AUBURN ANDROSCOGGIN COUNTY  
FEDERAL AID PROJECT NO. NHPP-1865(100)

FEBRUARY 2021  
SCALE 1" = 25'

RIGHT-OF-WAY MAP  
SHEET 1 OF 2

D.O.T. FILE NO. 1-348

SHEET NUMBER  
**48**  
OF 49

Date: \$date\$

Username: NELLISTON

Division: ROW

Filename: \$file\$

ITEM	TECH	CHECKED	EXISTING CONDITION PLAN			FINAL RIGHT OF WAY		
			T.A.	NSE		T.A.	NSE	

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460

AUBURN  
RIGHT OF WAY MAP

WIN 018651.00



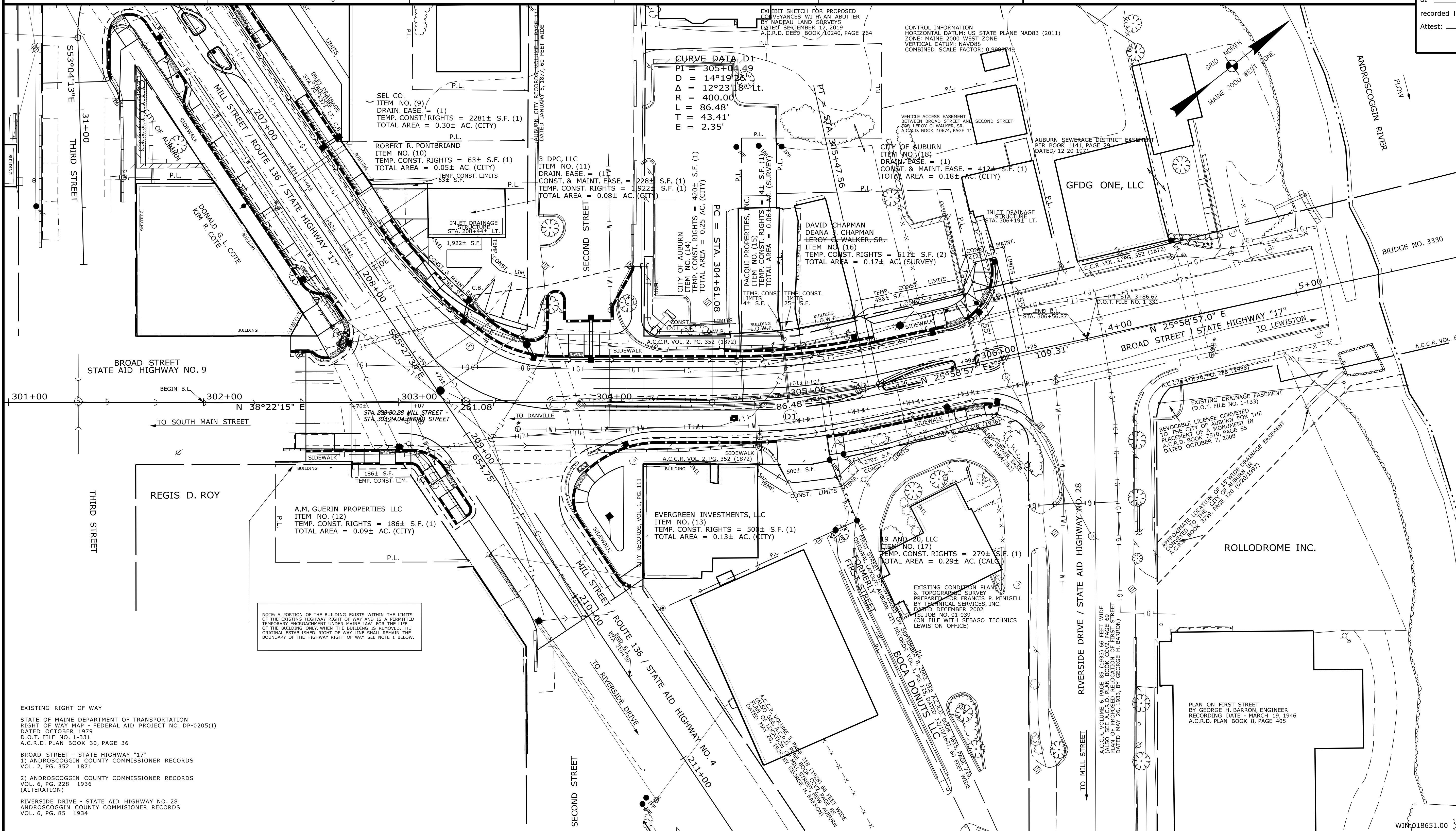
PLAN LEGEND	
<p>Town, County, State _____</p> <p>Approx. Property Lines _____</p> <p>Existing Right of Way _____</p> <p>Limits of Wrought Portion _____</p> <p>Control Of Access _____</p> <p>New Right of Way _____</p> <p>New Easement _____</p> <p>New Temporary Rights _____</p> <p>New R/W Within Existing R/W _____</p>	<p>New R/W Along Existing R/W _____</p> <p>Building _____</p> <p>Trees Conifer _____</p> <p>Tree Line _____</p> <p>Water Edge _____</p> <p>Ledge _____</p> <p>Fence _____</p> <p>Sign _____</p> <p>Clearing Limit Line _____</p> <p>Bush Line _____</p> <p>Rock/Boulder _____</p> <p>Flag Pole _____</p> <p>CHAIN LINK _____</p> <p>BARB WIRE _____</p> <p>WELL _____</p> <p>Stockade _____</p> <p>Mallbox _____</p> <p>Sanitary Sewer _____</p> <p>Telephone Line _____</p> <p>Electric Line _____</p> <p>Water Line _____</p> <p>Underdrain Line _____</p> <p>Gas Line _____</p> <p>Guardrail _____</p> <p>Culvert _____</p> <p>Proposed _____</p> <p>Existing _____</p> <p>Proposed _____</p> <p>Existing _____</p> <p>Traveled Way _____</p> <p>Ditch _____</p> <p>Catch Basin _____</p> <p>Manhole _____</p> <p>Sewer Manhole _____</p> <p>Utility Pole _____</p> <p>Fire Hydrant _____</p> <p>Curbing _____</p> <p>Proposed _____</p> <p>Existing _____</p> <p>Proposed _____</p> <p>Existing _____</p> <p>Cut Line _____</p> <p>Stonewall _____</p> <p>Baseline _____</p> <p>Monument _____</p> <p>Iron Rod Found _____</p> <p>Replacement Pin Set _____</p> <p>Fill Line _____</p> <p>Retaining Wall _____</p> <p>Traverse Point _____</p> <p>Pipe Found _____</p>

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ADJACENT PROPERTY OWNERS.

STATE OF MAINE  
REGISTRY OF DEEDS

COUNTY \_\_\_\_\_  
RECEIVED \_\_\_\_\_  
at \_\_\_\_\_ h \_\_\_\_\_ m \_\_\_\_\_ M and  
recorded in Plan Bk \_\_\_\_\_, Pg. \_\_\_\_\_  
Attest: \_\_\_\_\_ REGISTER

Scale of Feet  
0 25 50 75 100



REVISIONS		
NO.	DATE	DESCRIPTION

PLAN FILED IN PLAN BOOK						PAGE			COUNTY RECORD				
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	NO.	DATE	BOOK	PAGE	NO.	DATE	BOOK	PAGE

BRUCE A. VAN NOTE  
COMMISSIONER  
JOYCE NOEL TAYLOR  
CHIEF ENGINEER

DATE \_\_\_\_\_

STATE HIGHWAY "17"  
MILL STREET / BROAD STREET  
AUBURN ANDROSCOGGIN COUNTY  
FEDERAL AID PROJECT NO. NHPP-1865(100)

FEBRUARY 2021  
SCALE 1" = 25'

RIGHT-OF-WAY MAP  
SHEET 2 OF 2

D.O.T. FILE NO. 1-348

ITEM	TECH	CHECKED	EXISTING CONDITION PLAN			FINAL RIGHT OF WAY		
			T.A.	NSE	AREAS	T.A.	NSE	AREAS

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460

AUBURN  
RIGHT OF WAY MAP

SHEET NUMBER  
**49**  
OF 49

Date: \$date\$

Username: NELLISTON

Division: ROW

Filename: \$file\$

NOTE: A PORTION OF THE BUILDING EXISTS WITHIN THE LIMITS OF THE EXISTING HIGHWAY RIGHT OF WAY AND IS A PERMITTED TEMPORARY ENCROACHMENT UNDER MAINE LAW FOR THE LIFE OF THE BUILDING ONLY WHEN THE BUILDING IS REMOVED, THE ORIGINAL ESTABLISHED RIGHT OF WAY LINE SHALL REMAIN THE BOUNDARY OF THE HIGHWAY RIGHT OF WAY. SEE NOTE 1 BELOW.

EXISTING RIGHT OF WAY  
STATE OF MAINE DEPARTMENT OF TRANSPORTATION  
RIGHT OF WAY MAP - FEDERAL AID PROJECT NO. DP-0205(1)  
DATED OCTOBER 1979  
D.O.T. FILE NO. 1-331  
A.C.R.D. PLAN BOOK 30, PAGE 36

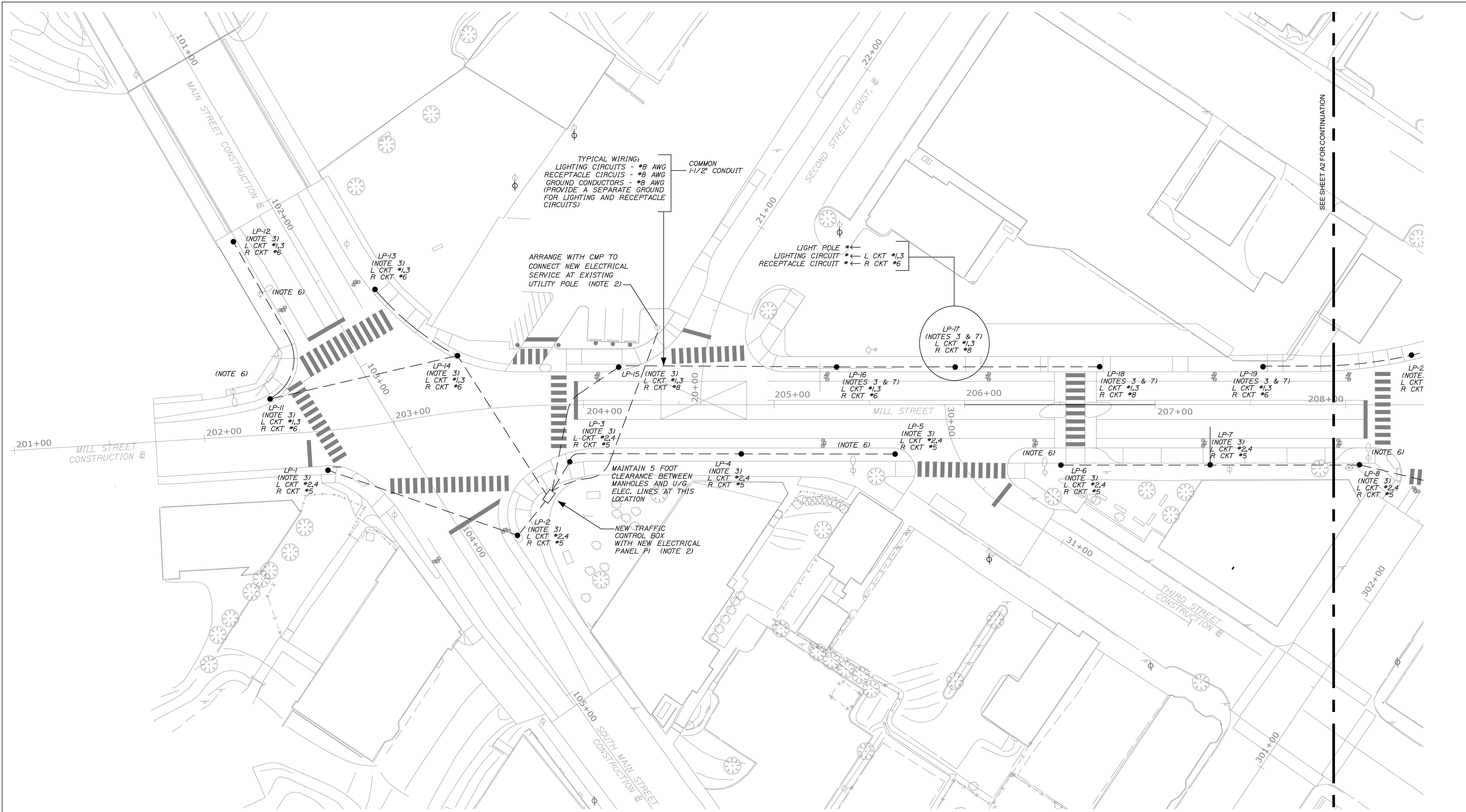
BROAD STREET - STATE HIGHWAY "17"  
1) ANDROSCOGGIN COUNTY COMMISSIONER RECORDS  
VOL. 2, PG. 352 1871  
2) ANDROSCOGGIN COUNTY COMMISSIONER RECORDS  
VOL. 6, PG. 228 1936  
(ALTERATION)

RIVERSIDE DRIVE - STATE AID HIGHWAY NO. 28  
ANDROSCOGGIN COUNTY COMMISSIONER RECORDS  
VOL. 6, PG. 85 1934

PLAN ON FIRST STREET  
BY GEORGE H. BARRON, ENGINEER  
RECORDING DATE - MARCH 19, 1946  
A.C.R.D. PLAN BOOK 8, PAGE 405

WIN:018651.00





STREET/SIDEWALK LIGHTING PLAN - A

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

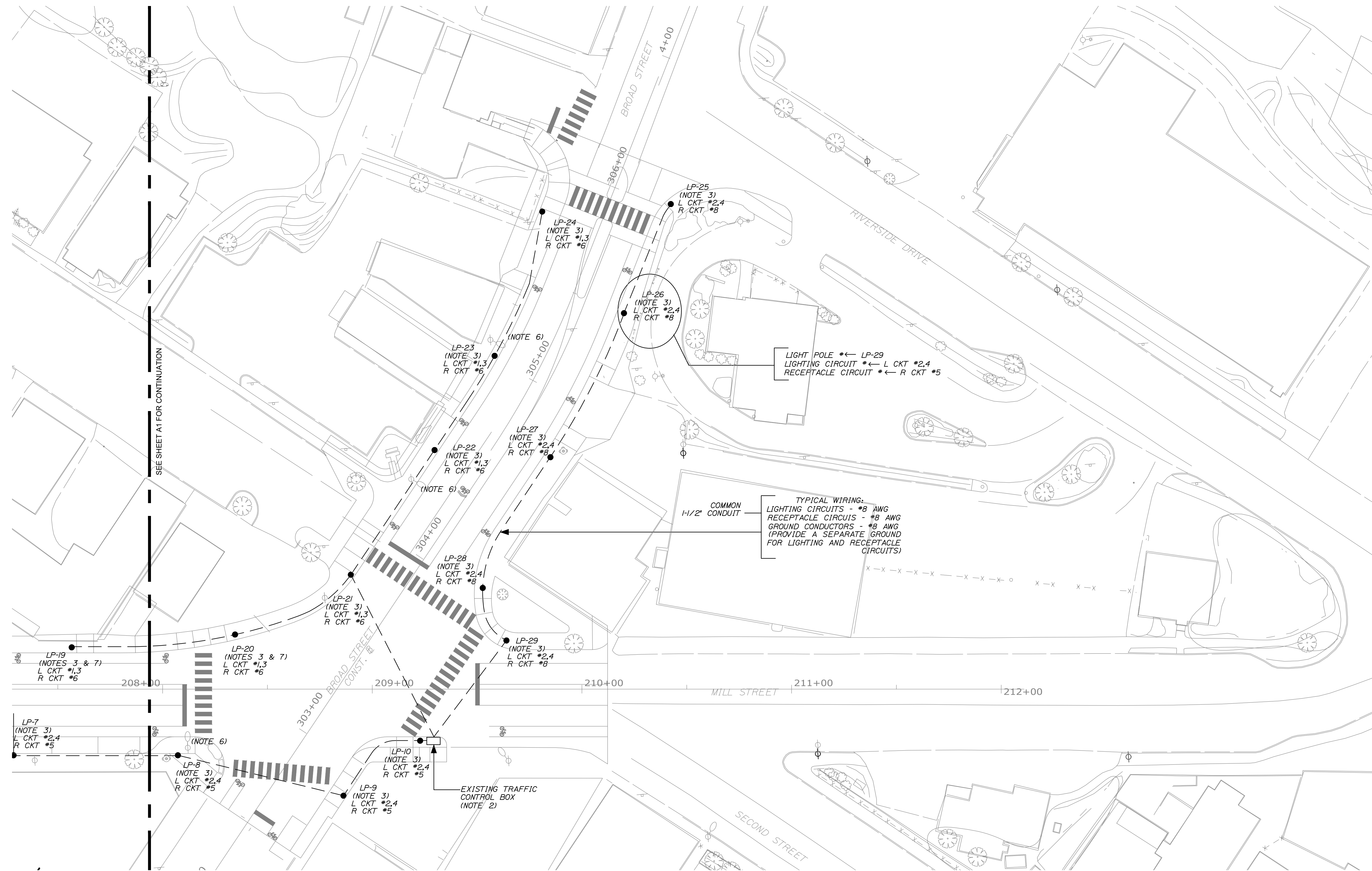
Lawrence E. Bartlett  
SIGNATURE  
P.E. NUMBER  
7928  
DATE  
01/22/20

PROJ. MANAGER	LEB
CHECKED-REVIEWED	LEB
DESIGN-2-DETAILED	
DESIGN-3-DETAILED	
REVISIONS 1	revision 1
REVISIONS 2	revision 2
REVISIONS 3	revision 3
REVISIONS 4	revision 4
FIELD CHANGES	field changes

AUBURN  
MILL, MAIN AND BROAD STREETS  
STREET/SIDEWALK LTG. - A

SHEET NUMBER  
**A1**  
OF 3

WIN  
18651.00



STREET/SIDEWALK LIGHTING PLAN - B

STATE OF MAINE  
 DEPARTMENT OF TRANSPORTATION

Lawrence E. Bartlett  
 SIGNATURE  
 P.E. NUMBER 7928  
 DATE 01/22/20

PROJ. MANAGER	LEB
DESIGN-DETAILED	LEB
CHECKED-REVIEWED	
DESIGN-2-DETAILED2	
DESIGN-3-DETAILED3	
REVISIONS 1	revision 1
REVISIONS 2	revision 2
REVISIONS 3	revision 3
REVISIONS 4	revision 4
FIELD CHANGES	field changes

AUBURN  
 MILL, MAIN AND BROAD STREETS  
 STREET/SIDEWALK LTG. - B

SHEET NUMBER  
 A2  
 OF 3

WIN  
 18651.00

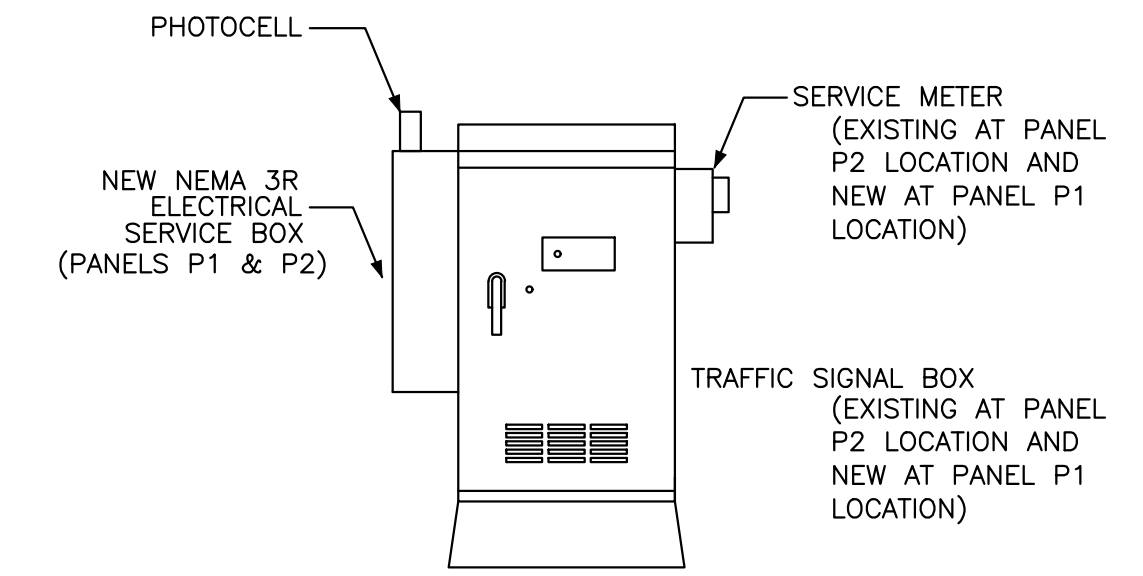
**PROJECT NOTES**

- SEE CIVIL PLANS FOR EXISTING UNDERGROUND AND OVERHEAD UTILITY INFORMATION. THE CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS ON SITE AND SHALL COORDINATE ALL EXCAVATION WORK WITH EXISTING UTILITIES.
- WHERE INDICATED, PROVIDE A NEW WEATHERPROOF STAINLESS STEEL ELECTRICAL ENCLOSURE TO BE INSTALLED ON THE SIDE OF EACH OF TWO TRAFFIC CONTROL BOXES. THE ENCLOSURES SHALL INCLUDE THE FOLLOWING:
  - AN ELECTRICAL PANELBOARD AS DESCRIBED IN THIS NOTE BELOW.
  - AN OPEN STYLE MULTIPOLE LIGHTING CONTACTOR WITH SIX, 30-AMPERE POLES TO CONTROL THE TWO LIGHTING CIRCUITS, AND ONE 2-POLE SPARE WITHIN THE PANEL. THE LIGHTING CONTACTOR SHALL HAVE A 120-VOLT COIL AND SHALL BE SUPPLIED WITH AN HOA CONTROL SWITCH. **HAND MODE:** BYPASS THE PHOTOCELL CONTROL AND ENERGIZE THE LIGHTING CIRCUITS. **AUTO MODE:** LIGHTING CIRCUITS TO OPERATE ACCORDING TO THE PHOTOCELL.
  - OFF MODE:** CONTACTOR TO BE DE-ENERGIZED.
  - AN OPEN STYLE MULTIPOLE LIGHTING CONTACTOR WITH SIX, 30-AMPERE POLES TO CONTROL THE THREE RECEPTACLE CIRCUITS, AND TWO 1-POLE SPARES WITHIN THE PANEL. THE LIGHTING CONTACTOR SHALL HAVE A 120-VOLT COIL AND SHALL BE SUPPLIED WITH AN HOA CONTROL SWITCH. **HAND MODE:** BYPASS THE PHOTOCELL CONTROL AND ENERGIZE THE RECEPTACLE CIRCUITS. **AUTO MODE:** LIGHTING CIRCUITS TO OPERATE ACCORDING TO THE PHOTOCELL. **OFF MODE:** CONTACTOR TO BE DE-ENERGIZED.
  - A PHOTOCELL (TO BE INSTALLED ON THE TOP OF THE ENCLOSURE) TO OPERATE THE TWO CONTACTORS.

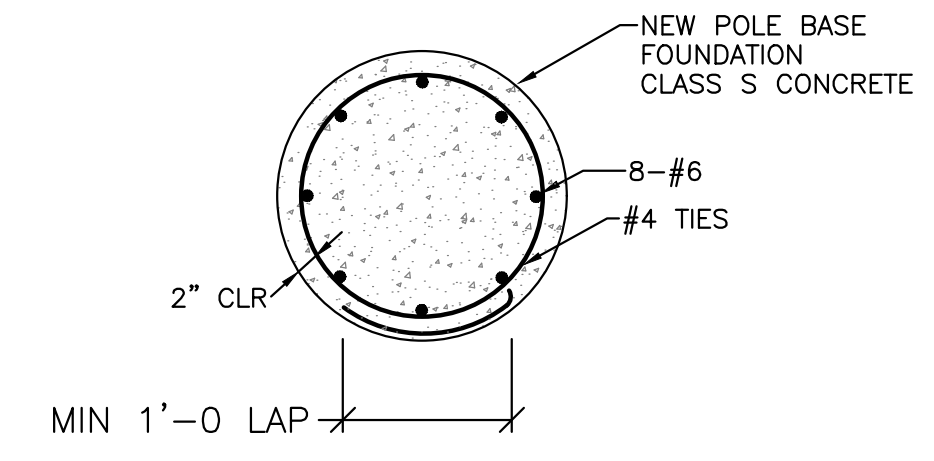
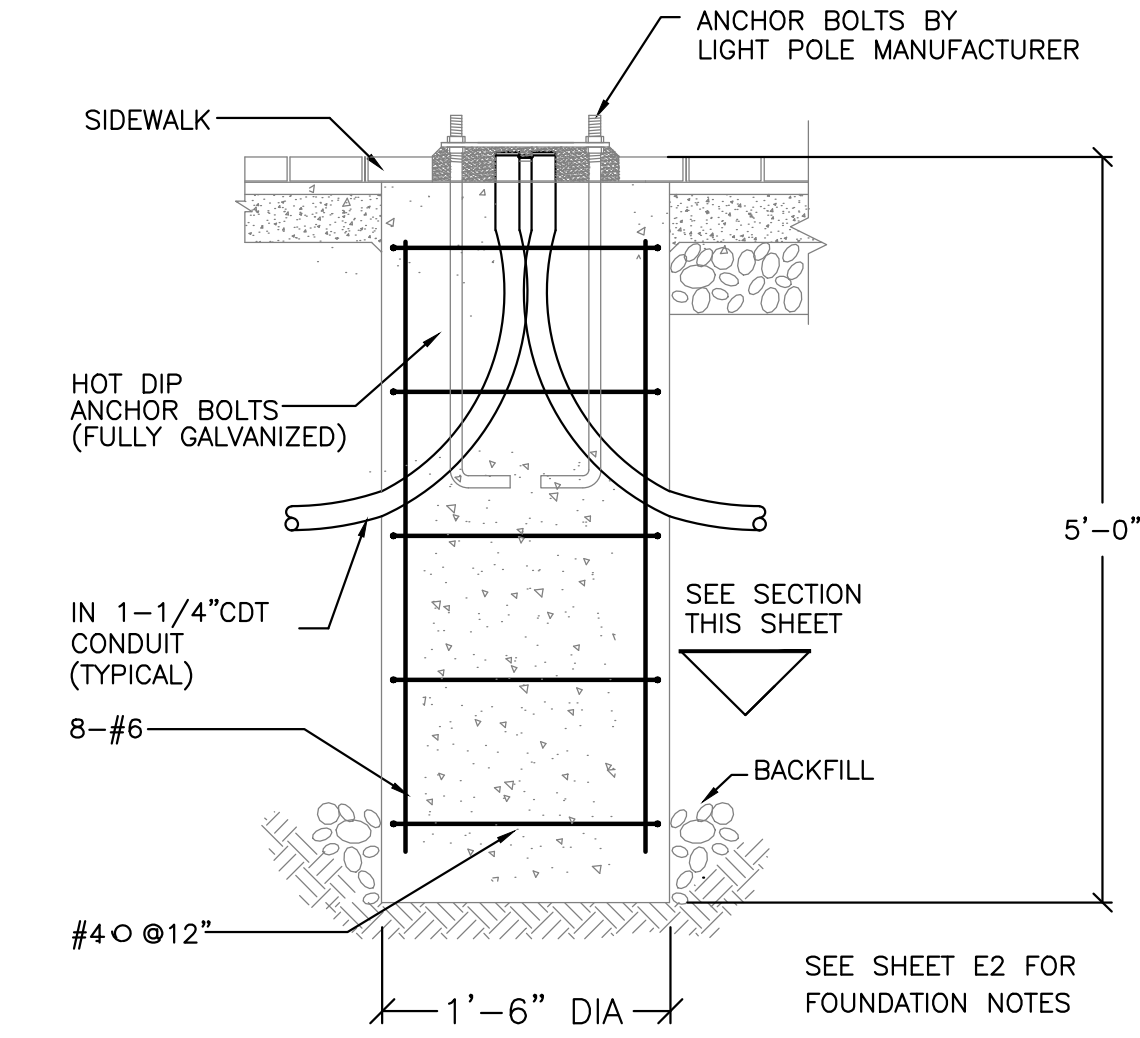
THE PANELS SHALL BE RATED 120/240 VOLTS, 1-PHASE, 3-WIRE, 100-AMPERES. PROVIDE THE FOLLOWING CIRCUIT BREAKERS FOR NEW STREET LIGHTING AND RECEPTACLE CIRCUITS FOR LIGHTING POLE NUMBERS L1 THROUGH L29:

  - CKT #1,3 - 20A/2P LIGHTING
  - CKT #2,4 - 20A/2P LIGHTING
  - CKT #5 - 20A/1P RECEPTACLES
  - CKT #6 - 20A/1P RECEPTACLES
  - CKT #7 - 20A/1P CONTROL CIRCUIT
  - CKT #8 - 20A/1P RECEPTACLES
  - CKT #10,12 - 20A/2P SPARE
  - CKT #9 - 20A/1P SPARE
  - CKT #11 - 20A/1P SPARE

CONNECT THE NEW PANEL P2 TO THE EXISTING ELECTRICAL SERVICE WHERE IT IS INSTALLED ON AN EXISTING TRAFFIC BOX WITH 3#2, 1#4 GND. CONNECT THE NEW PANEL P1 BY MEANS OF A NEW UNDERGROUND METERED SERVICE WHERE IT IS INSTALLED ON A NEW TRAFFIC BOX WITH 3#2 1#4 GND. IN A 2 INCH CONDUIT.
- WHERE INDICATED, PROVIDE NEW LIGHTING POLE AND LUMINAIRE WITH NEW FOUNDATION BASE.
- WHERE CONDUIT PASSES BENEATH PAVED ROADS, OR ACCESS DRIVES TO NON-RESIDENTIAL PROPERTY, CONDUIT SHALL BE PVC SCHEDULE 80. ALL OTHER UNDERGROUND CONDUIT MAY BE PVC SCHED. 40.
- THE MINIMUM BURIAL DEPTH FOR ALL CONDUITS SHALL BE 36 INCHES BELOW GRADE.
- WHERE INDICATED, ARRANGE WITH THE CENTRAL MAINE POWER COMPANY TO REMOVE AN EXISTING ROADWAY LUMINAIRE FROM A UTILITY POLE.
- WHERE INDICATED, CONTRACTOR SHALL COMPLETE A TEST PIT TO DETERMINE EXACT LOCATION OF UNDERGROUND ELECTRICAL LINES BETWEEN LIGHTING POLES LP-16, LP-17, LP-18, LP-19, AND LP-20.

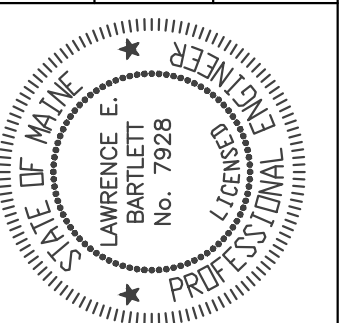


**LIGHTING SERVICE CABINET DETAIL**  
NOT TO SCALE  
TYPICAL OF TWO LOCATIONS



**LIGHTING POLE BASE DETAIL**  
NOT TO SCALE

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION



Lawrence E. Bartlett  
SIGNATURE  
P.E. NUMBER  
7928  
DATE  
01/22/20

PROJ. MANAGER	DATE	BY	REVISIONS
DESIGN-DETAILED	01/22/20	LEB	revision 1
CHECKED-REVIEWED			revision 2
DESIGN-DETAILED2			revision 3
DESIGN-DETAILED3			revision 4
REVISIONS 1			field changes
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN  
MILL, MAIN AND BROAD STREETS  
LIGHTING DETAILS & NOTES

SHEET NUMBER

A3

OF 3

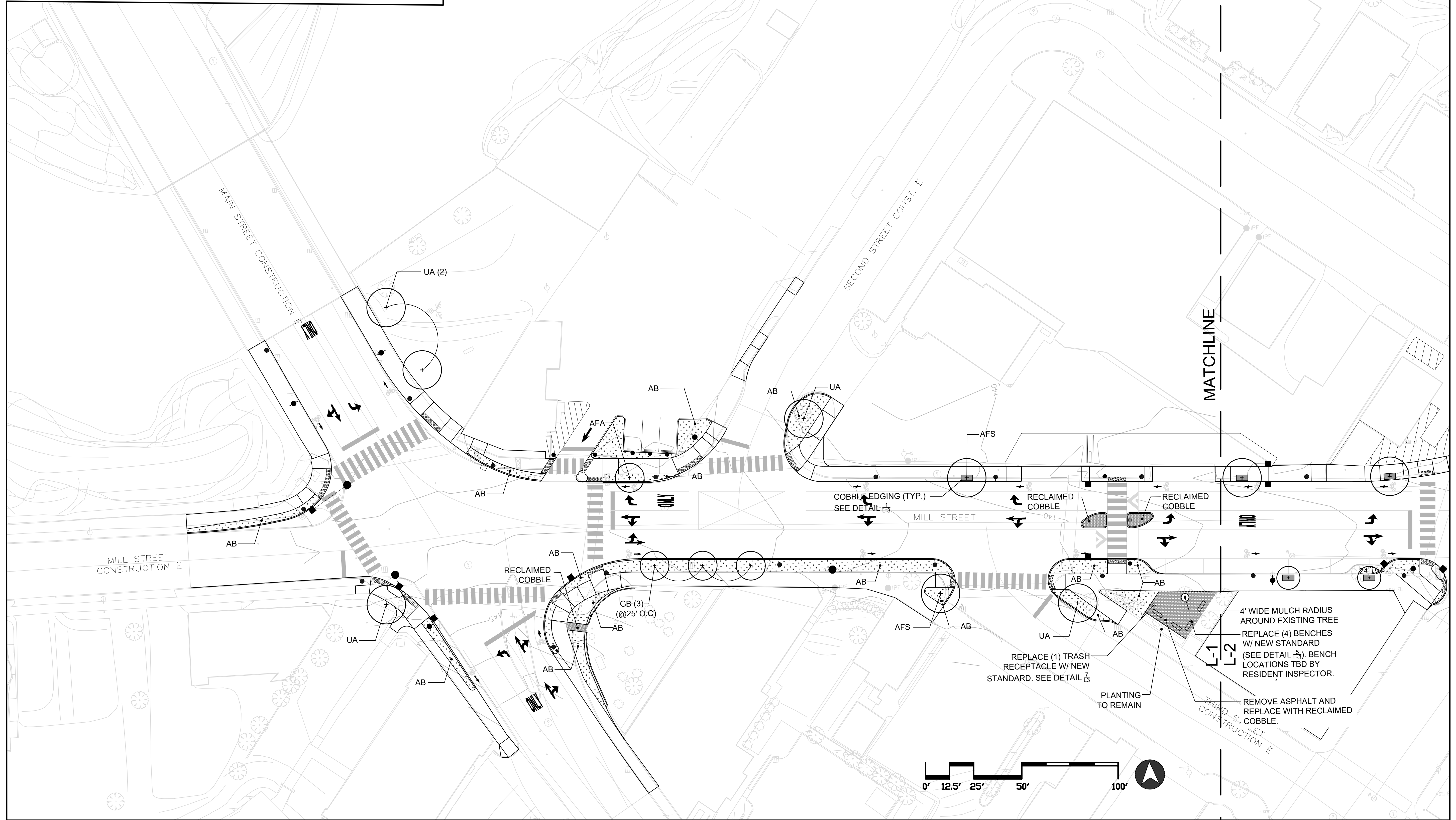
WIN  
18651.00



**PLANT LIST**

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
<b>LARGE TREES</b>				
AFA	3	ACER X FREEMANII 'ARMSTRONG'	FREEMAN MAPLE	2.5" CAL.
AFS	2	ACER X FREEMANII 'SIENNA GLEN®'	SIENNA GLEN MAPLE®	2.5" CAL.
GB	6	GINGKO BILOBA	MAIDENHAIR TREE	2.5" CAL.
UA	8	ULMUS AMERICANA 'VALLEY FORGE'	VALLEY FORGE ELM	2.5" CAL.
<b>ORNAMENTAL TREES</b>				
MS	2	MALUS 'SPRING SNOW'	'SPRING SNOW' CRABAPPLE	2" CAL.
PRA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
<b>PERENNIALS</b>				
AB	5400	AMMOPHILA BREVLIGULATA	AMERICAN BEACH GRASS	2"x2"x4"PLUGS (12" O.C.)

NOTE: COBBLE STONES WILL BE PROVIDED BY THE CITY. COBBLE STONES ARE LOCATED AT AUBURN PUBLIC WORKS ON 296 GRACELAWN ROAD. CITY WILL LOAD THE MATERIAL AT PUBLIC WORKS AND CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING TO SITE.

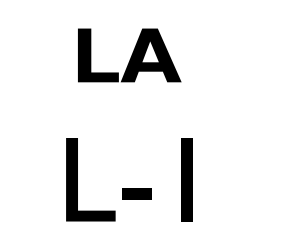


Rev.	By:	Date:	Status:
4	SPT	06.03.2022	Bid Set
3	DT	01.31.2020	75% Check Set
2	DT	11.11.2019	Draft for Review
1	KBS	08.10.2018	Draft for Review

**STREETSCAPE & PLANTING PLAN**  
 Scale: 1"=25"  
 Drawn By: SPT

**Mill, Main & Broad Streets**  
 Auburn, Maine

06.03.2022

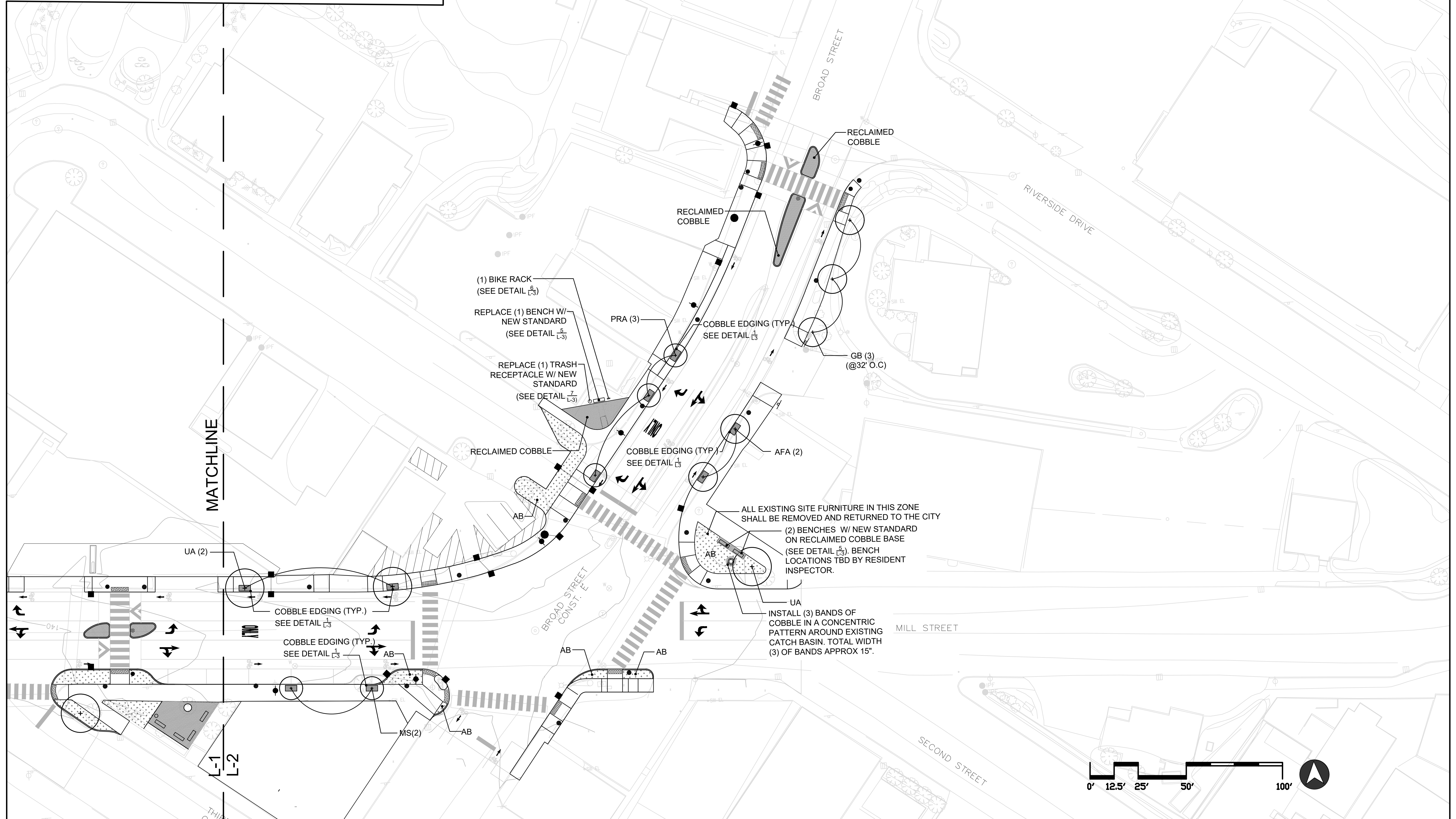




**PLANT LIST**

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
<b>LARGE TREES</b>				
AFA	3	ACER X FREEMANI 'ARMSTRONG'	FREEMAN MAPLE	2.5" CAL.
AFS	2	ACER X FREEMANI 'SIENNA GLEN®'	SIENNA GLEN MAPLE®	2.5" CAL.
GB	6	GINGKO BILOBA	MAIDENHAIR TREE	2.5" CAL.
UA	8	ULMUS AMERICANA 'VALLEY FORGE'	VALLEY FORGE ELM	2.5" CAL.
<b>ORNAMENTAL TREES</b>				
MS	2	MALUS 'SPRING SNOW'	'SPRING SNOW' CRABAPPLE	2" CAL.
PRA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
<b>PERENNIALS</b>				
AB	5400	AMMOPHILA BREVLIGULATA	AMERICAN BEACH GRASS	2"x2"x4"PLUGS (12" O.C.)

NOTE: COBBLE STONES WILL BE PROVIDED BY THE CITY. COBBLE STONES ARE LOCATED AT AUBURN PUBLIC WORKS ON 296 GRACELAWN ROAD. CITY WILL LOAD THE MATERIAL AT PUBLIC WORKS AND CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING TO SITE.



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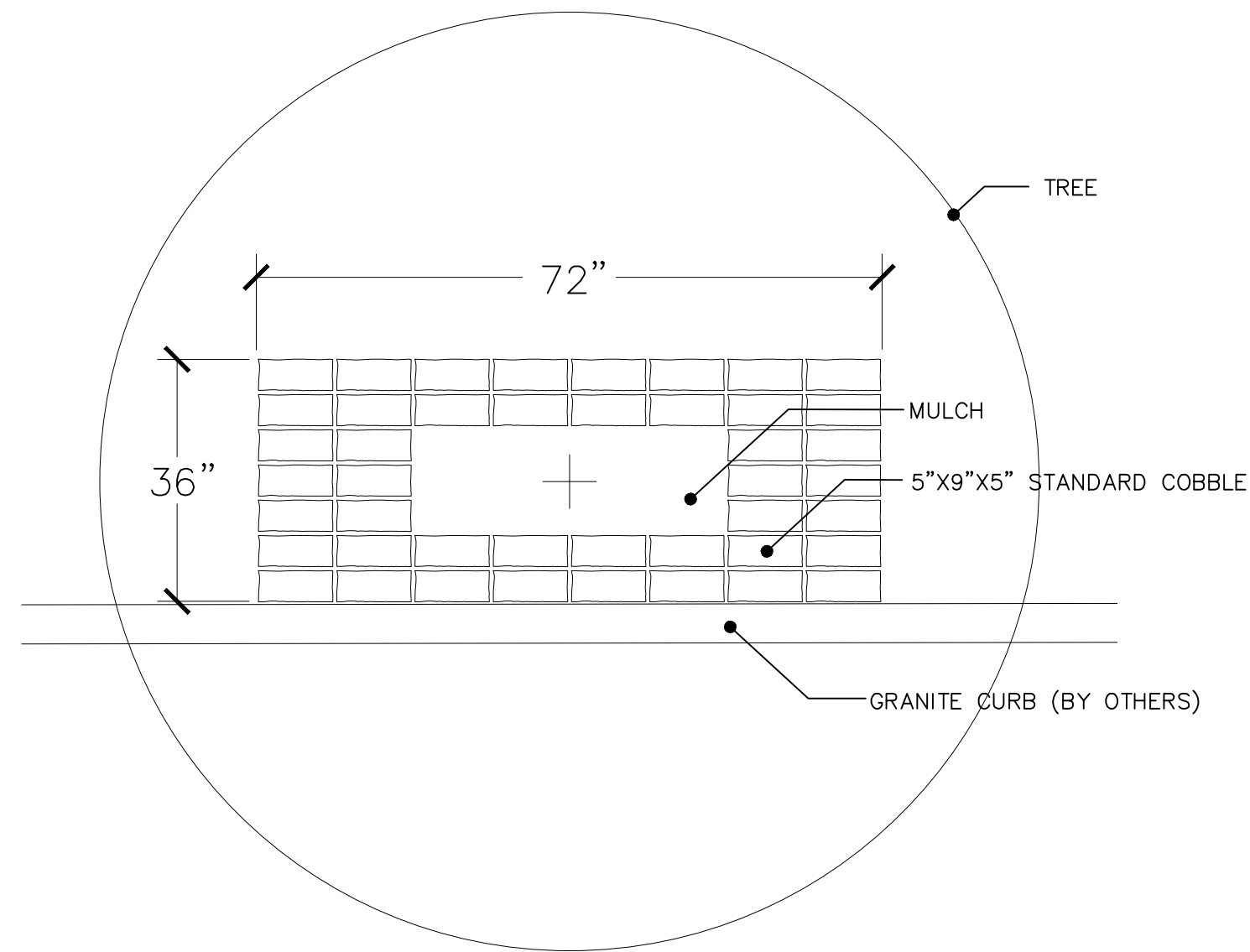
**STREETSCAPE & PLANTING PLAN**  
Scale: 1"=25"  
Drawn By: SPT

**Mill, Main & Broad Streets**  
Auburn, Maine

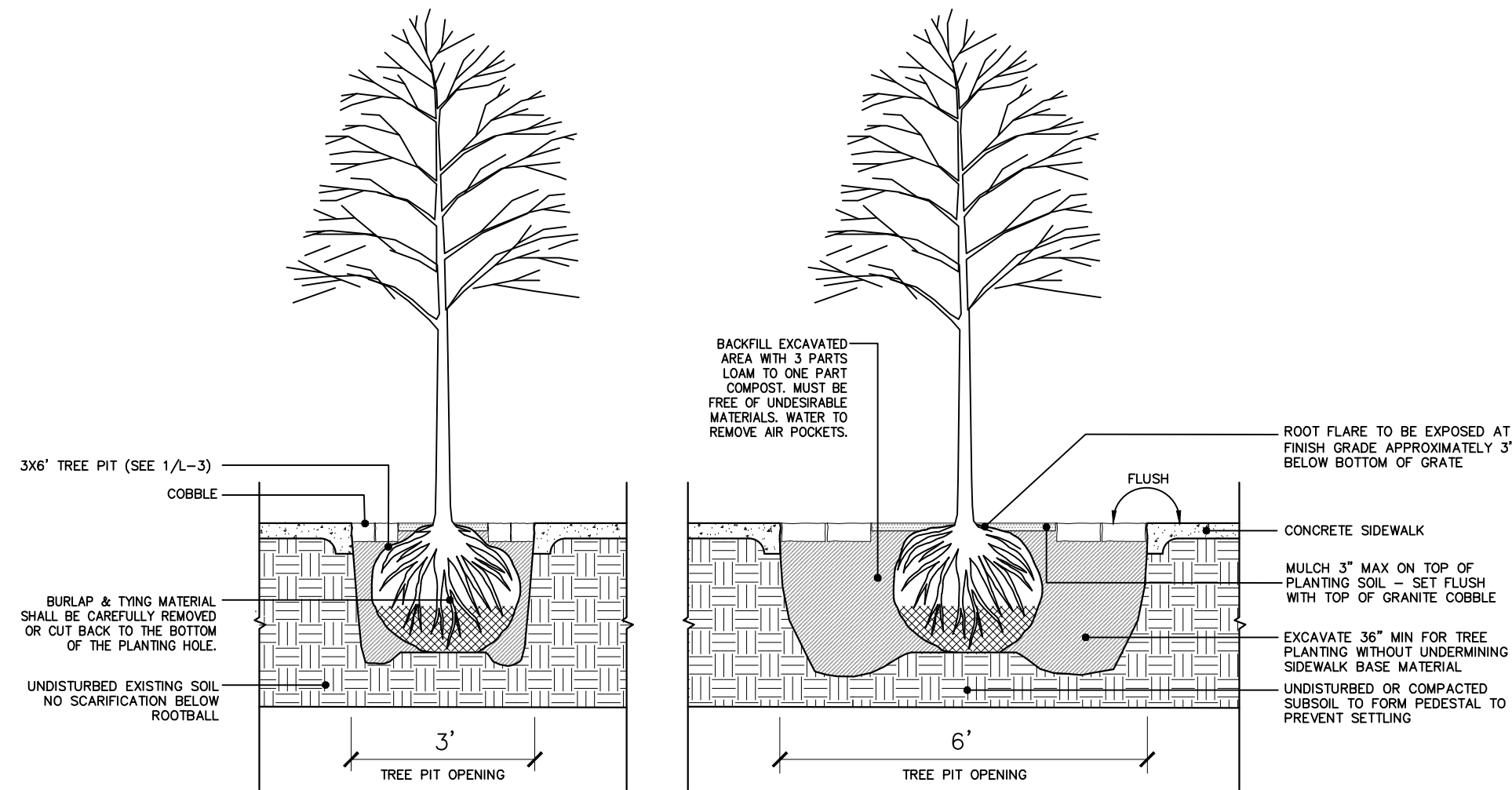
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**LA L-2**

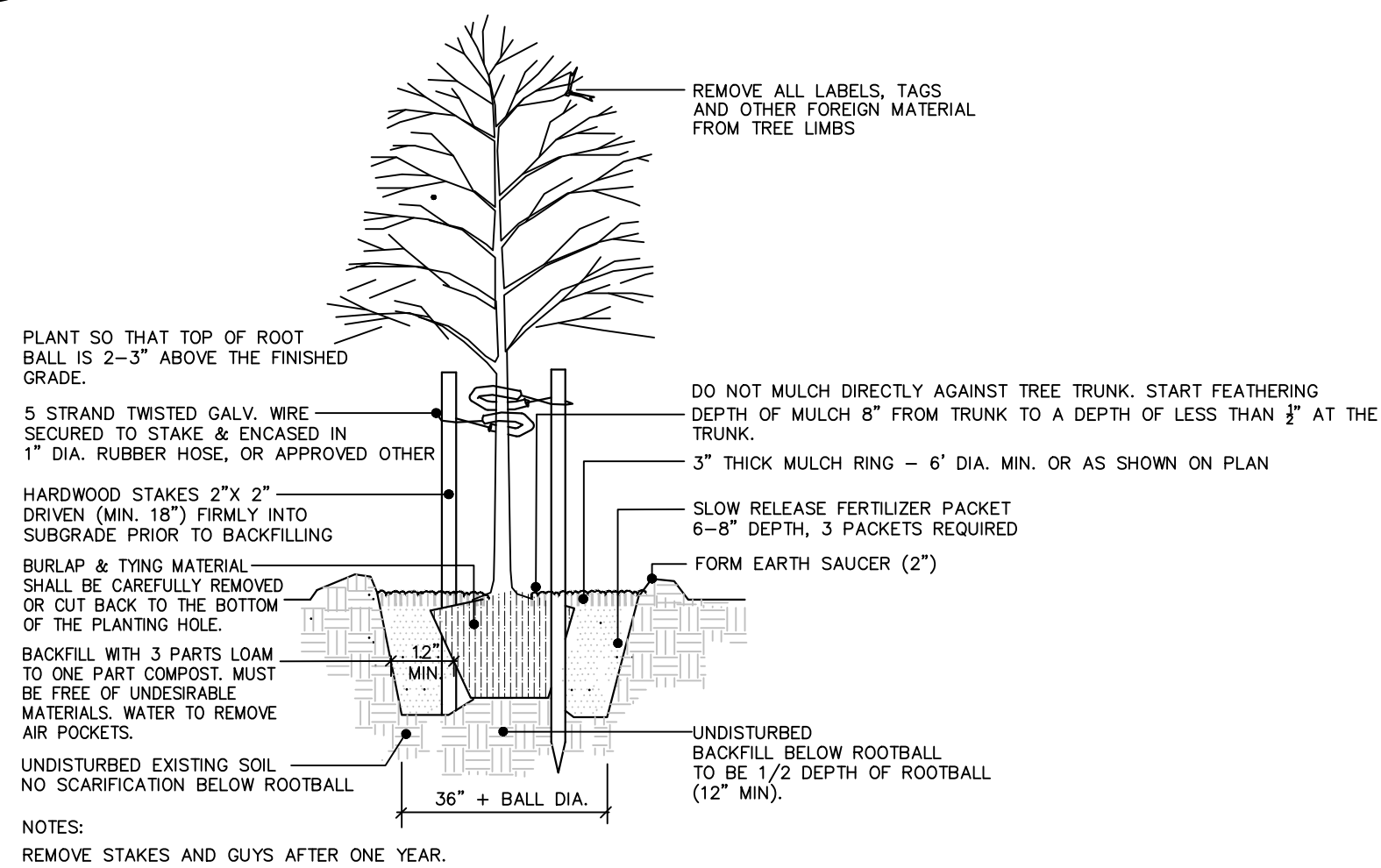




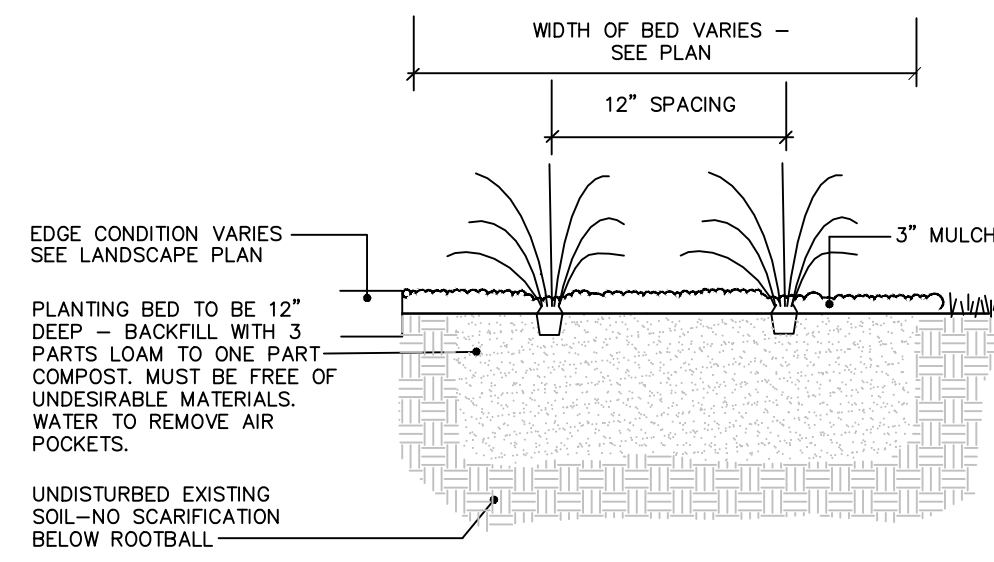
**1** COBBLE EDGING AT TREE PIT  
PLAN NOT TO SCALE



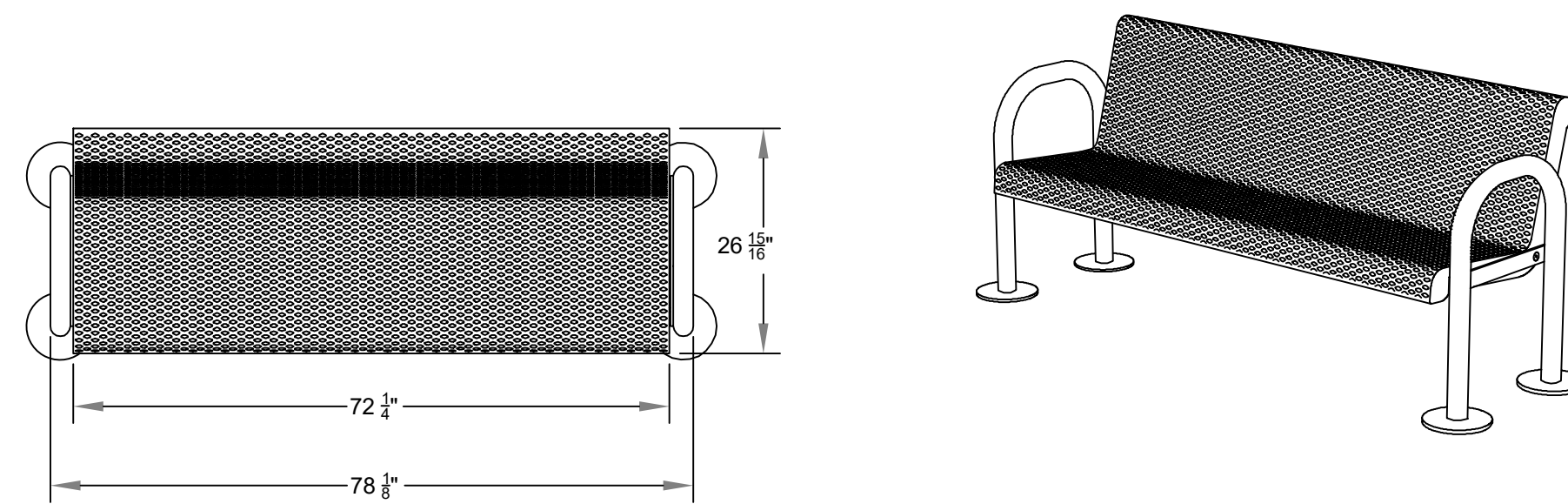
**2** TREE PIT PLANTING  
SECTION NOT TO SCALE



**3** DECIDUOUS TREE PLANTING & STAKING  
SECTION NOT TO SCALE

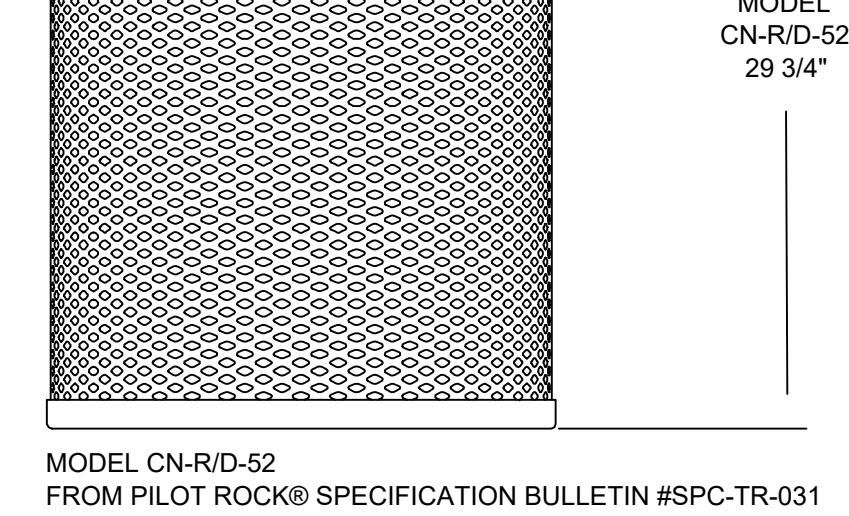
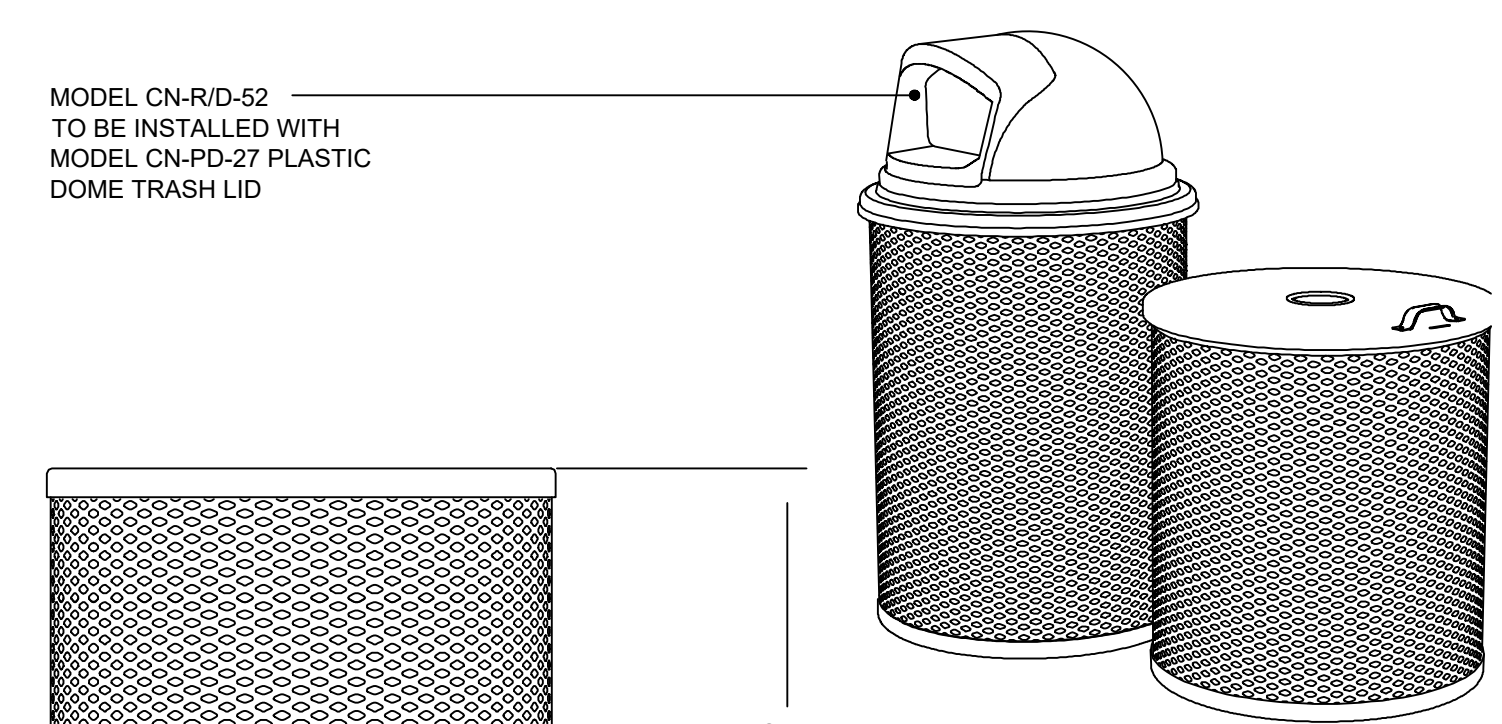


**4** BEACH GRASS PLANTING  
SECTION NOT TO SCALE

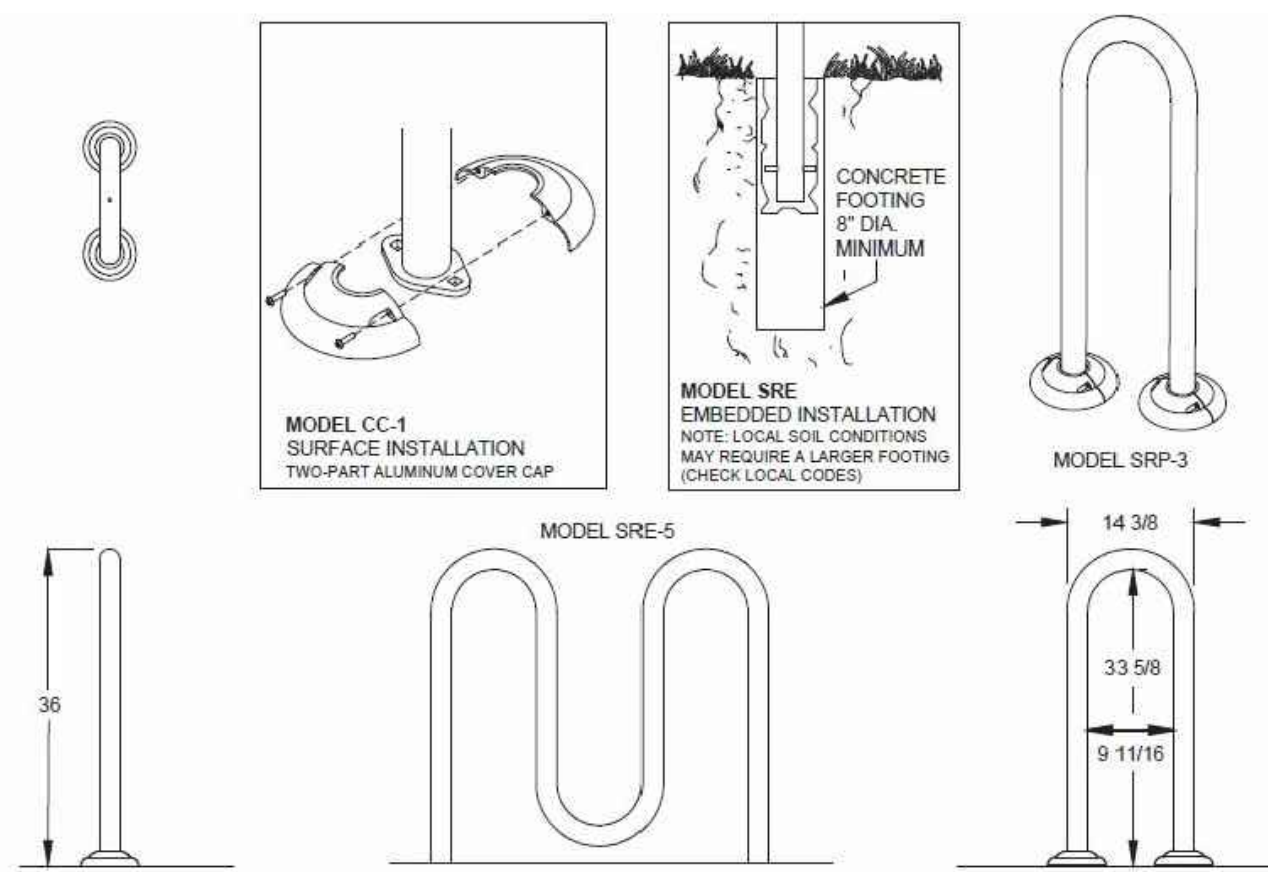


FROM PILOT ROCK® SPECIFICATION BULLETIN #SPC-BC-196

**5** THERMO PLASTIC COATED D-TYPE EXPANDED STEEL SEAT MODEL B79-6  
SECTION NOT TO SCALE



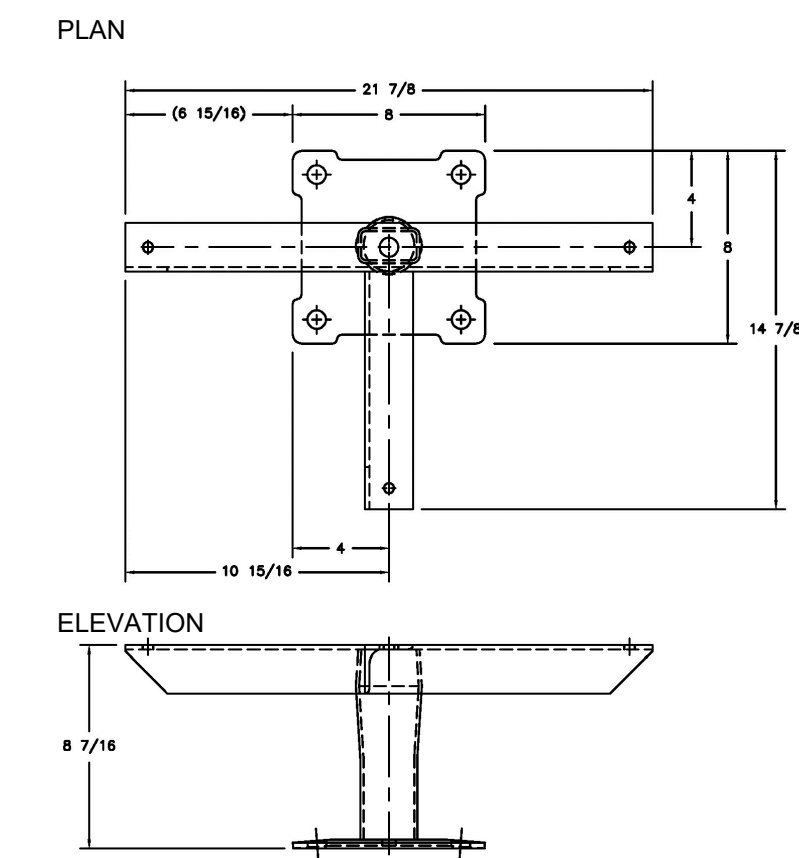
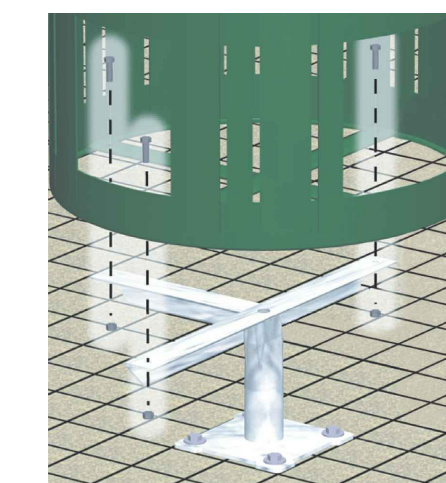
**7** THERMO PLASTIC COATED EXPANDED TRASH RECEPTACLE & MOUNTING  
NOT TO SCALE



ALL DIMENSIONS IN INCHES

ALL DIMENSIONS IN INCHES

**6** SR SERIES SADDLEBACK BIKE RACK  
NOT TO SCALE



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**SITE DETAILS**

**Mill, Main & Broad Streets**  
Auburn, Maine

06.03.2022

**LA**  
**L-3**