

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



GRAY CUMBERLAND COUNTY U.S. ROUTE 202 & ROUTE 115 WIN 25385.00 PROJECT LENGTH : 0.04 MILES

PLAN LEGEND

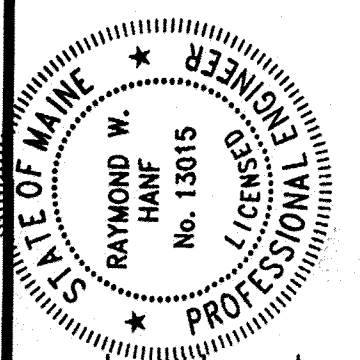
| | |
|---|--|
| Town, County, State _____ | Catch Basins <input type="checkbox"/> Existing <input type="checkbox"/> Proposed |
| Property Lines _____ | Manholes <input type="circle"/> Existing <input type="circle"/> Proposed |
| R/W Lines-Existing _____ | Proposed Underdrain _____ |
| R/W Lines-Proposed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

INDEX OF SHEETS

| Description | Sheet No. |
|---|-----------|
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TRAFFIC DATA

| | U.S. Route 202 | Route 115 |
|--------------------------------------|----------------|-----------------|
| Current (2023) AADT | 15710 | 5710 |
| Future (2035) AADT | 16650 | 6050 |
| DHV - % of AADT | 10% | 11% |
| Design Hour Volume | 1728 | 691 |
| % Heavy Trucks (AADT) | 7% | 7% |
| % Heavy Trucks (DHV) | 4% | 2% |
| Directional Distribution (DHV) | 61% | 58% |
| 18 kip Equivalent P 2.0 | 787 | 276 |
| 18 kip Equivalent P 2.5 | 750 | 263 |
| Design Speed (mph) | 30 | 30 |
| Functional Class: | Minor Arterial | Major Collector |
| Corridor Priority | 3 | 3 |



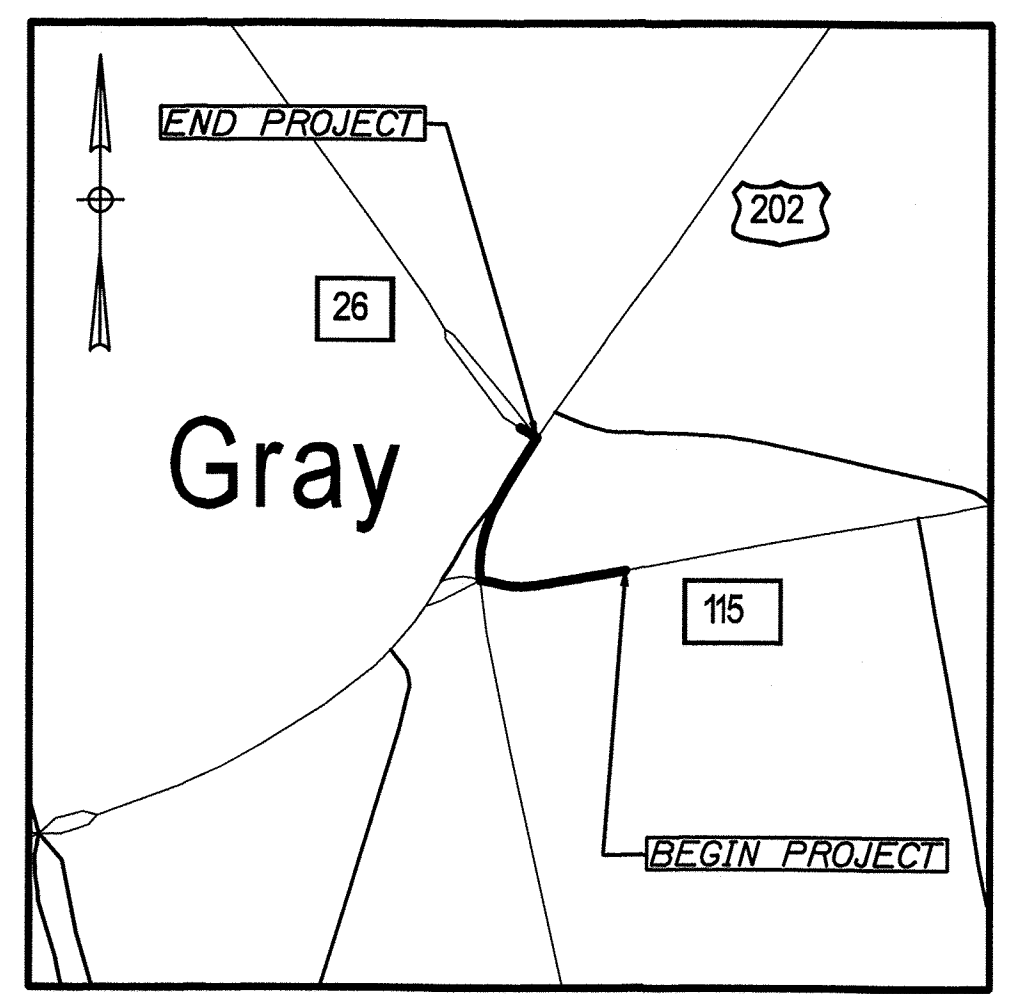
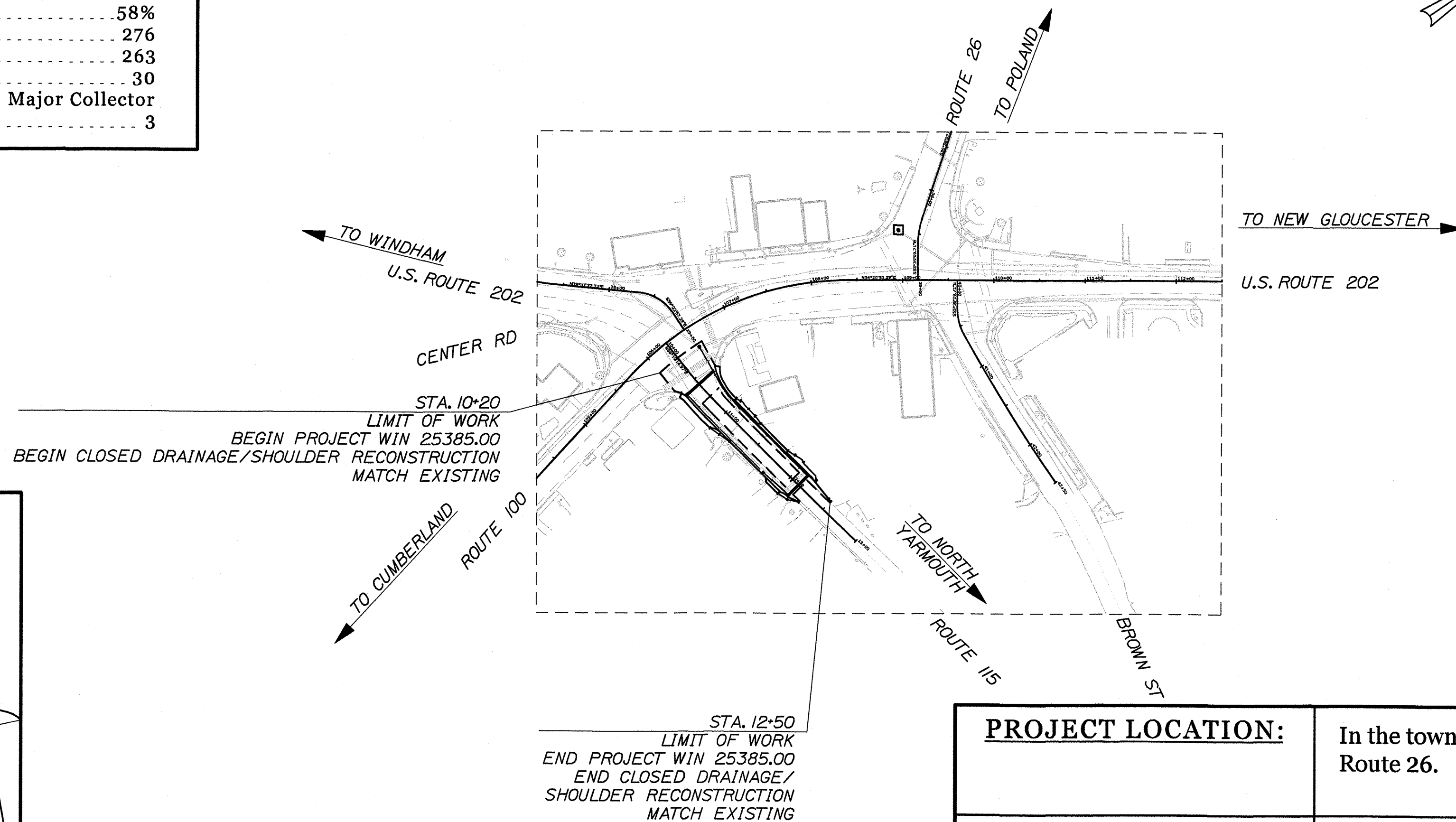
SIGNATURE: *R. W. Hane*
 P.E. NUMBER: 13015
 DATE: 3/23/23

| PROJECT INFORMATION | |
|-------------------------|-------------|
| PROGRAM | REGIONAL |
| PROJECT MANAGER | L. HAMILTON |
| DESIGNER | R. HANE |
| DESIGNER | HNTB |
| PROJECT RESIDENT | |
| CONTRACTOR | |
| PROJECT COMPLETION DATE | |

GRAY
 U.S. ROUTE 202 & ROUTE 115
 TITLE SHEET

SHEET NUMBER

1
 OF 13



Scale in Miles
 0 1/16 1/8
LOCATION MAP

LAYOUT SCALE
 100 0 100 200
 Scale of Feet

| | |
|--------------------------|--|
| PROJECT LOCATION: | In the town of Gray at the intersection of U.S. Route 202 with Route 115 and Route 26. |
| PROGRAM AREA: | Regional Program |
| OUTLINE OF WORK: | Drainage Improvements |

Date: 4/3/2023

Username:

Division:

Filename: 001_Title.dgn

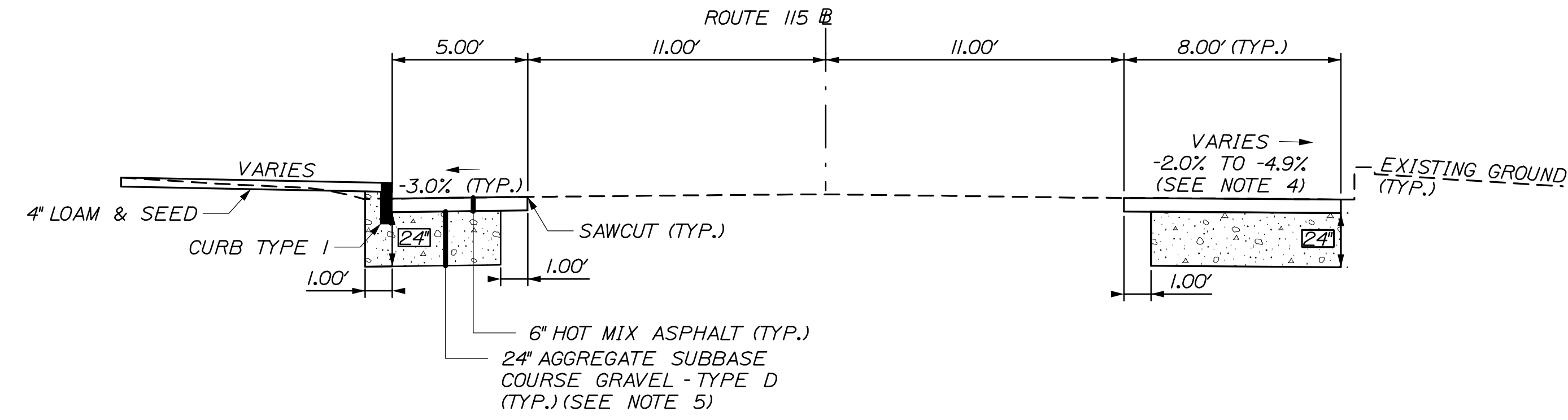
WIN 25385.00 2538500

Date: 4/3/2023

Username:

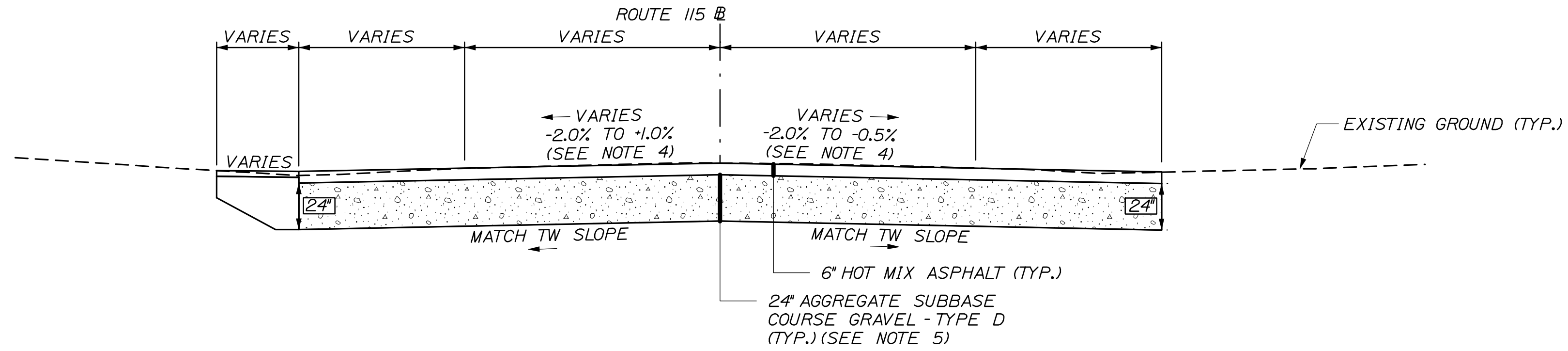
Division:

Filename: 002_Typical.dgn



ROUTE 115 - FULL DEPTH SHOULDER RECONSTRUCTION
STA. 10+75.00 TO STA. 12+50.00

| AGGREGATE BASE COURSE - TYPE C | |
|--------------------------------|----------------------|
| LEFT SHOULDER | RIGHT SHOULDER |
| 24" = 37.0 CY/100LF | 24" = 51.9 CY/100LF |
| STATION TO STATION | STATION TO STATION |
| 10+75.00 TO 12+50.00 | 10+75.00 TO 12+50.00 |



ROUTE 115 - FULL DEPTH RECONSTRUCTION
STA. 10+20.00 TO STA. 10+75.00

| AGGREGATE BASE COURSE - TYPE C | | |
|--------------------------------|----------------------|-----------------------|
| LEFT SHOULDER | TRAVEL LANES | RIGHT SHOULDER |
| 24" = VARIES CY/100LF | VARIES CY/100LF | 24" = VARIES CY/100LF |
| STATION TO STATION | STATION TO STATION | STATION TO STATION |
| 10+20.00 TO 10+75.00 | 10+20.00 TO 10+75.00 | 10+20.00 TO 10+75.00 |

NOTES:

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. CROSS SLOPES WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
3. STATIONING REFERENCED IN THE TYPICAL SECTION TABLES IS APPROXIMATE.
4. SEE CROSS SECTIONS FOR CROSS SLOPES.
5. FULL DEPTH CONSTRUCTION LIMITS SHALL BE CONFIRMED WITH THE RESIDENT. IF ACCEPTABLE GRAVEL MATERIAL EXISTS, THE DEPTHS OF EXCAVATION AND GRAVEL PLACEMENT MAY BE REDUCED AS APPROVED BY THE RESIDENT.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2538500

WIN

25385.00

HIGHWAY PLANS

DATE

03/23

BY

D. BURTON

L. HAMILTON

PROJ. MANAGER

DESIGN/REVIEWED

D. BURTON

CHECKED/REVIEWED

B. HAVU

DESIGN/REVIEWED

DESIGN/REVIEWED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DATE

DATE

DATE

DATE

DATE

DATE

DATE

GRAY
U.S. ROUTE 202 & ROUTE 115

TYPICAL SECTIONS

SHEET NUMBER

2

OF 13



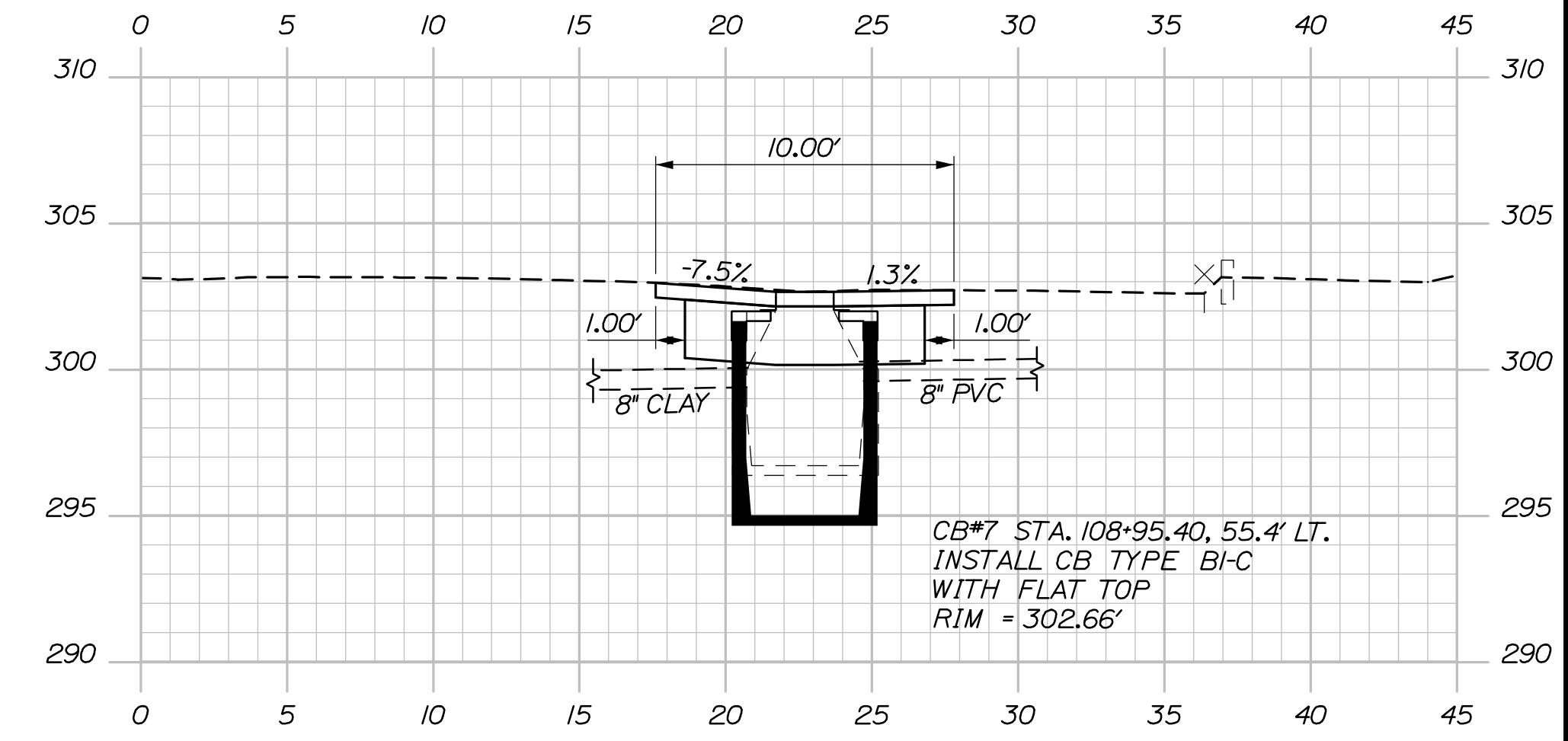
Date: 4/3/2023

Username:

Filename: 003_Estimated Quantities_Drainage Summary.dwg

| | | ESTIMATED QUANTITIES | |
|----------|---|----------------------|----------|
| ITEM NO. | DESCRIPTION | UNIT | QUANTITY |
| 202.15 | REMOVING EXISTING MANHOLE OR CATCH BASIN | EA | 1 |
| 203.20 | COMMON EXCAVATION | CY | 490 |
| 304.10 | AGGREGATE SUBBASE COURSE - GRAVEL | CY | 400 |
| 403.210 | HOT MIX ASPHALT, 9.5 MM NOMINAL MAXIMUM SIZE | T | 200 |
| 409.15 | BITUMINOUS TACK COAT, APPLIED | G | 60 |
| 603.159 | 12 INCH CULVERT PIPE OPTION III | LF | 70 |
| 604.072 | CATCH BASIN TYPE A1-C | EA | 2 |
| 604.092 | CATCH BASIN TYPE B1-C | EA | 3 |
| 604.096 | 60" CATCH BASIN TYPE B1-C | EA | 1.125 |
| 604.247 | CATCH BASIN TYPE F5-C | EA | 2 |
| 605.09 | 6 INCH UNDERDRAIN TYPE B | LF | 120 |
| 605.11 | 12 INCH UNDERDRAIN TYPE C | LF | 140 |
| 605.12 | 15 INCH UNDERDRAIN TYPE C | LF | 80 |
| 609.11 | VERTICAL CURB TYPE I | LF | 50 |
| 609.221 | TERMINAL CURB TYPE I | LF | 16 |
| 615.07 | LOAM | CY | 6 |
| 618.13 | SEEDING METHOD NUMBER 1 | UN | 1 |
| 619.12 | MULCH | UN | 1 |
| 627.733 | 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE | LF | 550 |
| 627.75 | WHITE OR YELLOW PAVEMENT & CURB MARKING | SF | 350 |
| 627.78 | TEMPORARY 4" PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW | LF | 550 |
| 629.05 | HAND LABOR, STRAIGHT TIME | HR | 8 |
| 631.12 | ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR) | HR | 8 |
| 631.133 | SKID STEER (INCLUDING OPERATOR) | HR | 8 |
| 631.172 | TRUCK-LARGE (INCLUDING OPERATOR) | HR | 8 |
| 631.18 | CHAIN SAW RENTAL (INCLUDING OPERATOR) | HR | 4 |
| 631.32 | CULVERT CLEANER (INCLUDING OPERATOR) | HR | 8 |
| 639.21 | FIELD OFFICE, TYPE D | EA | 1 |
| 643.86 | TRAFFIC SIGNAL LOOP DETECTORS | EA | 1 |
| 652.33 | DRUM | EA | 50 |
| 652.34 | CONE | EA | 50 |
| 652.35 | CONSTRUCTION SIGNS | SF | 300 |
| 652.36 | MAINTENANCE OF TRAFFIC CONTROL DEVICES | CD | 40 |
| 652.38 | FLAGGERS | HR | 1200 |
| 652.381 | TRAFFIC OFFICERS | HR | 60 |
| 656.75 | TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL | LS | 1 |
| 659.10 | MOBILIZATION | LS | 1 |

| STATION | CULVERT PIPE | | | | CATCH BASIN | | | UNDERDRAIN | | | | REMARKS |
|-------------------------------------|--------------|--------|------------|--------|-------------|--------|-------------|------------|------------|--------|------|--|
| | OPTION III | | | | | | | TYPE B | | TYPE C | | |
| | SMOOTHLINED | | CORRUGATED | | TYPE B | OUTLET | SMOOTHLINED | | CORRUGATED | | | |
| | SIZE | LENGTH | SIZE | LENGTH | | | LENGTH | LENGTH | SIZE | LENGTH | SIZE | |
| CATCH BASINS | | | | | | | | | | | | |
| STA. 10+57.0, 17.0' RT. (CB #1) | | | | | | | | | | | | |
| STA. 10+25.0, 26.5' LT. (CB #2) | | | | | | | | | | | | 60", SOLID COVER |
| STA. 11+07.0, 14.9' LT. (CB #3) | | | | | | | | | | | | |
| STA. 11+75.0, 17.0' RT. (CB #4) | | | | | | | | | | | | |
| STA. 12+12.0, 14.9' RT. (CB #5) | | | | | | | | | | | | |
| STA. 12+12.0, 14.9' LT. (CB #6) | | | | | | | | | | | | FLAT TOP |
| STA. 108+95.4, 55.4' LT. (CB #7) | | | | | | | | | | | | FLAT TOP, SOLID COVER SEE CB#7 SPECIAL DETAIL |
| STA. 10+57.0, 21.1' LT. (CB #8) | | | | | | | | | | | | |
| CULVERTS | | | | | | | | | | | | |
| CB#1 RT. TO CB#8 LT. | 12" | 35' | | | | | | | | | | |
| CB#5 RT. TO CB#6 LT. | 12" | 26' | | | | | | | | | | |
| UNDERDRAIN | | | | | | | | | | | | |
| CB#1 RT. TO STA. 11+70.0, 17.9' RT. | | | | | | | | | | | | 112' |
| CB#2 LT. TO CB#8 LT. | | | | | | | | | | | | 15" 29' |
| CB#3 LT. TO CB#3 LT. | | | | | | | | | | | | 15" 47' |
| CB#3 LT. TO CB#6 LT. | | | | | | | | | | | | 12" 102' |
| CB#4 RT. TO CB#5 RT. | | | | | | | | | | | | 12" 35' |



SPECIAL DETAIL
CB#7 - 38+47.97 - ROUTE 26

| | | | | | | | | | | | |
|--|-------------|------------------------------|-----------|-------------|-------|-------------|--|-------------|--|---------------|--|
| STATE OF MAINE | | DEPARTMENT OF TRANSPORTATION | | 2538500 | | WIN | | 25385.00 | | HIGHWAY PLANS | |
| PROJ. MANAGER | L. HAMILTON | BY | D. BURTON | DATE | 03/23 | SIGNATURE | | P.E. NUMBER | | DATE | |
| DESIGN-DETAILED | D. BURTON | CHECKED-REVIEWED | B. HAVU | DATE | 03/23 | SIGNATURE | | P.E. NUMBER | | DATE | |
| DESIGN-DETAILED | | DESIGN-DETAILED | | REVISIONS 1 | | REVISIONS 2 | | REVISIONS 3 | | REVISIONS 4 | |
| <p>GRAY</p> <p>U.S. ROUTE 202 & ROUTE 115</p> <p>ESTIMATED QUANTITIES & DRAINAGE SUMMARY</p> | | | | | | | | | | | |
| SHEET NUMBER | | | | | | | | | | | |
| 3 | | | | | | | | | | | |
| OF 13 | | | | | | | | | | | |



GENERAL NOTES

1. PAVEMENT THICKNESS SHOWN ON TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
2. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT.
3. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.
4. 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.
5. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 3 INCHES OF HOT MIX ASPHALT AND 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.
6. A 3-FOOT PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
7. CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
8. THE FOLLOWING SHALL BE INCIDENTAL TO THE STANDARD SPECIFICATIONS SECTION 603, PIPE CULVERTS AND STORM DRAINS (PRESERVATION ONLY):
 - A. ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS;
 - B. ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT;
 - C. ALL DITCHING AT PIPE ENDS;
 - D. FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL);
 - E. ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES;
 - F. EXISTING FLOW LINES MAY BE CHANGED BY UP TO 1.5 FEET;
 - G. ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES WITHIN 10 FEET OF CULVERT ENDS;
 - H. AN 18-INCH WIDE STRIP OF NON-WOVEN GEOTEXTILE MEETING THE REQUIREMENTS OF STANDARD SPECIFICATIONS ITEM 620.5B, EROSION CONTROL GEOTEXTILE, SHALL BE PLACED OVER ALL RCP JOINTS.
9. PLASTIC END CAPS SHALL BE PLACED ON THE INLET OF ALL DEAD-END 6-INCH TYPE B UNDERDRAIN AND SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
10. 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 SPECIFICATIONS SECTION 604, MANHOLES, INLETS, AND CATCH BASINS.
11. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
12. ALL TYPE A CATCH BASINS PLACED ON A TYPE I CIRCULAR CURB SHALL HAVE THE CURB INLET CUT AT THE SAME RADIUS AS ADJACENT CIRCULAR CURB. PAYMENT SHALL BE INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 604, MANHOLES, INLETS AND CATCH BASINS.
13. 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.
14. 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.
15. 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.
16. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
17. 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.
18. ANY DAMAGE TO THE 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.
19. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
20. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
21. 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 APPROPRIATE CONTRACT ITEMS.
22. ALL HMA FOR PATCHING AROUND ADJUSTED, ALTERED, OR REBUILT UTILITY STRUCTURES SHALL BE A 9.5 MM OR 12.5 MM MAINDOT APPROVED MIX DESIGN. EXCLUDING WATER AND GAS GATE VALVES, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT FOR THE PATCH AT LEAST TWO FEET AWAY FROM THE NEAREST EDGE OF THE STRUCTURE. THE CONTRACTOR SHALL PLACE HMA IN LIFTS OF 2 INCHES OR LESS TO MATCH THE EXISTING PAVEMENT DEPTH OR A MAXIMUM OF 6 INCHES, AS DIRECTED BY THE RESIDENT, AND COMPACT THE HMA USING A MINIMUM OF A 150-POUND PLATE COMPACTOR. HMA FOR PATCHING AROUND ADJUSTED, ALTERED, OR REBUILT UTILITY STRUCTURES IS CONSIDERED INCIDENTAL TO THE RESPECTIVE PAY ITEM FOR ADJUST, ALTER, OR REBUILD UTILITY STRUCTURE.

CONSTRUCTION NOTES

DRIVES AND ENTRANCES

| LOCATION | DESCRIPTION | OPENING |
|------------|------------------|---------|
| 10+77.0 LT | PAVED COMMERCIAL | 44' |
| 10+77.0 RT | PAVED COMMERCIAL | 60' |
| 11+60.0 LT | PAVED COMMERCIAL | 47' |
| 11+95.0 RT | PAVED COMMERCIAL | 23' |

ITEM NO. 202.15 - REMOVING EXISTING MANHOLE OR CATCH BASIN

| LOCATION | UN |
|------------------------|------|
| STA. 10+25.0, 14.7' RT | 1 EA |

ITEM 609.11 VERTICAL CURB TYPE I

| LOCATION | LENGTH |
|--|---------|
| STA. 11+01.0, 16.0' LT TO STA. 11+05.0, 16.0' LT | 4.0 LF |
| STA. 11+09.0, 16.0' LT TO STA. 11+28.0, 16.0' LT | 19.0 LF |
| STA. 11+83.0, 16.0' LT TO STA. 12+10.0, 16.0' LT | 27.0 LF |

ITEM 609.22 TERMINAL CURB TYPE I

| LOCATION | LENGTH |
|--|--------|
| STA. 10+97.0, 16.0' LT TO STA. 11+01.0, 16.0' LT | 4.0 LF |
| STA. 11+28.0, 16.0' LT TO STA. 11+32.0, 16.0' LT | 4.0 LF |
| STA. 11+79.0, 16.0' LT TO STA. 11+83.0, 16.0' LT | 4.0 LF |
| STA. 12+14.0, 16.0' LT TO STA. 12+18.0, 16.0' LT | 4.0 LF |

ITEM 627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE

| LOCATION | PAINT TYPE | LENGTH |
|--|------------|--------|
| STA. 10+40.3, 26.7' RT TO STA. 12+15.0, 11.8' RT | SWL | 179 LF |
| STA. 10+45.0, 31.1' LT TO STA. 12+15.0, 10.4' LT | SWL | 174 LF |
| STA. 10+51.4, 1.2' RT TO STA. 12+15.0, 0.6' LT | 2SYL | 164 LF |

ITEM 627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING

| LOCATION | PAINT TYPE | AREA |
|-----------------------|------------|--------|
| STA. 10+35.0, CL | CROSSWALK | 272 SF |
| STA. 10+49.5, 1.0' RT | STOP BAR | 48 SF |

Date: 4/3/2023

Username:

Filename: 004_GeneralNotes_Construction Notes.dgblv

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2538500

WIN
25385.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

DATE

BY

L. HAMILTON

PROJ. MANAGER

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGN-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

SHEET NUMBER

GRAY
U.S. ROUTE 202 & ROUTE 115

GENERAL NOTES &
CONSTRUCTION NOTES

4

OF 13



Date: 4/13/2023

Username:

Division:

Filename: 005_Striping_Plan.dgn

U.S. ROUTE 202 (WEST)
 CURVE DATA #1
 PI = 26+26.25
 D = 6°44'26.4"
 Δ = 16°53'49.0" Lt.
 R = 850.00'
 L = 250.67'
 T = 126.25'
 E = 9.33'

U.S. ROUTE 202 (WEST)
 CURVE DATA #2
 PI = 28+57.14
 D = 114°35'29.6"
 Δ = 50°58'34.9" Rt.
 R = 50.00'
 L = 44.49'
 T = 23.84'
 E = 5.39'

ROUTE 26
 CURVE DATA #1
 PI = 38+46.70
 D = 57°17'44.8"
 Δ = 18°41'01.8" Lt.
 R = 100.00'
 L = 32.61'
 T = 16.45'
 E = 1.34'

U.S. ROUTE 202
 CURVE DATA #1
 PI = 104+87.10
 D = 0°34'22.6"
 Δ = 0°59'52.9" Rt.
 R = 10000.00'
 L = 174.19'
 T = 87.10'
 E = 0.38'

U.S. ROUTE 202
 CURVE DATA #2
 PI = 107+16.05
 D = 17°37'46.1"
 Δ = 47°09'41.7" Rt.
 R = 325.00'
 L = 267.52'
 T = 141.86'
 E = 29.61'

ROUTE 115
 CURVE DATA #1
 PI = 10+58.09
 D = 11°27'33.0"
 Δ = 6°43'13.1" Lt.
 R = 500.00'
 L = 58.65'
 T = 29.36'
 E = 0.86'

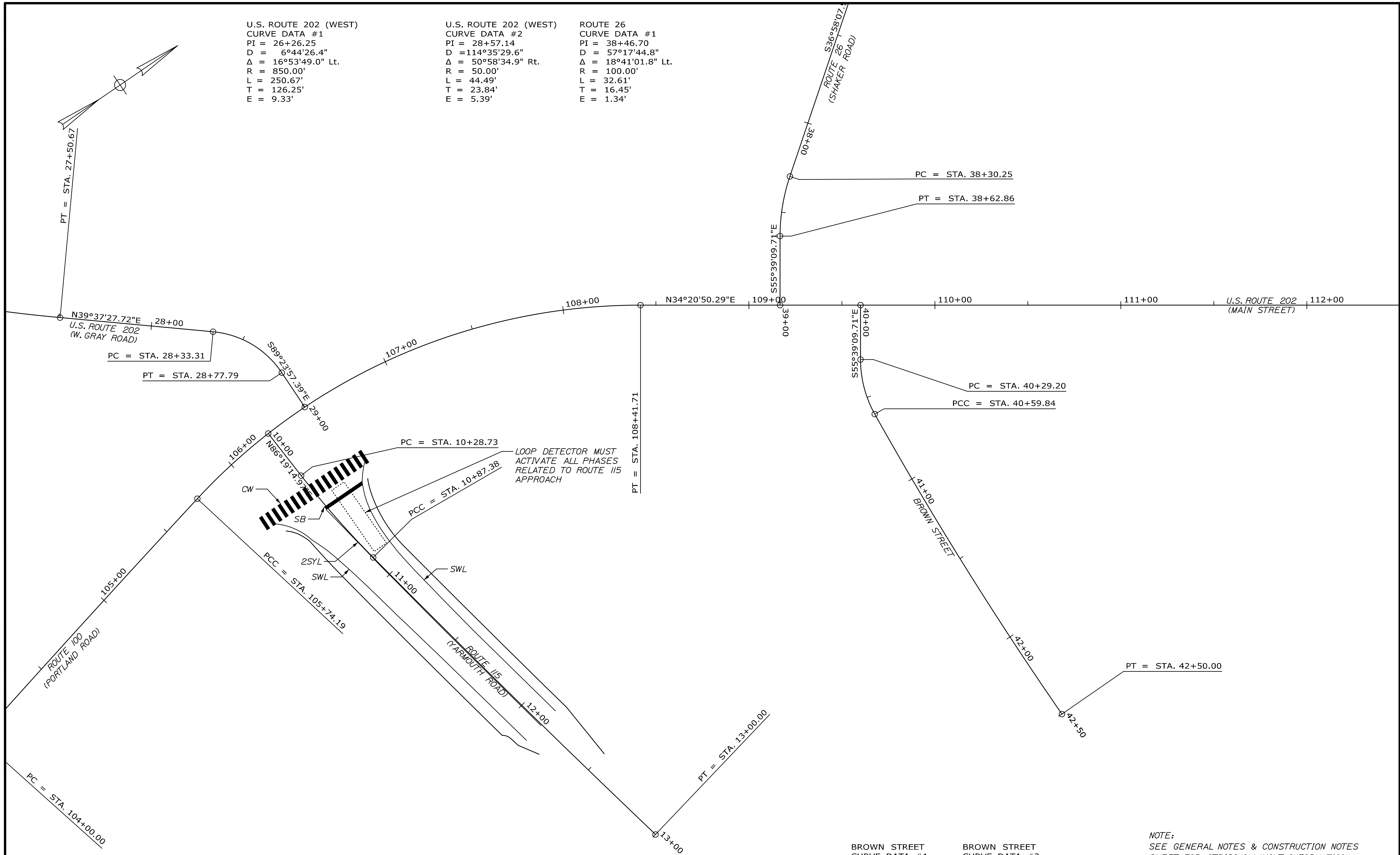
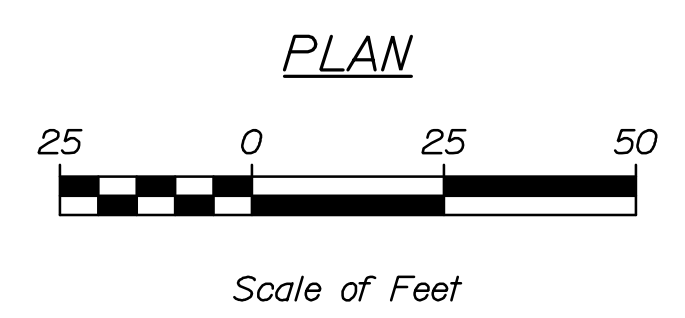
ROUTE 115
 CURVE DATA #2
 PI = 11+93.69
 D = 0°45'50.2"
 Δ = 1°37'27.6" Lt.
 R = 7500.00'
 L = 212.62'
 T = 106.32'
 E = 0.75'

BROWN STREET
 CURVE DATA #1
 PI = 40+44.86
 D = 95°29'34.7"
 Δ = 29°15'19.3" Lt.
 R = 60.00'
 L = 30.64'
 T = 15.66'
 E = 2.01'

BROWN STREET
 CURVE DATA #2
 PI = 41+54.99
 D = 2°51'53.2"
 Δ = 5°26'51.8" Lt.
 R = 2000.00'
 L = 190.16'
 T = 95.15'
 E = 2.26'

NOTE:
 SEE GENERAL NOTES & CONSTRUCTION NOTES
 SHEET FOR STRIPING LAYOUT INFORMATION

LEGEND:
 SWL - SOLID WHITE LINE
 2SYL - TWO SOLID YELLOW LINES
 CW - CROSS WALK STRIPE (24")
 SB - STOP BAR (24")



| | | | |
|--|-------------|-----------------|----------------------|
| STATE OF MAINE DEPARTMENT OF TRANSPORTATION | | 2538500 | |
| | | WIN 25385.00 | |
| | | HIGHWAY PLANS | |
| PROJ. MANAGER | L. HAMILTON | BY | D. BURTON R. HANE |
| DESIGN-DETAILED | D. BURTON | DATE | 03/23 |
| CHECKED-REVIEWED | E. HAVU | DATE | 03/23 |
| DESIGN-DETAILED | | SIGNATURE | |
| REVISIONS 1 | | P.E. NUMBER | |
| REVISIONS 2 | | DATE | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |
| GRAY U.S. ROUTE 202 & ROUTE 115 SIGNAL & STRIPING PLAN | | | |
| SHEET NUMBER 5 OF 13 | | | |



Date: 4/13/2023

Username:

Division:

Filename: 006_General Plan.dgn

U.S. ROUTE 202 (WEST)
 CURVE DATA #1
 PI = 26+26.25
 D = 6°44'26.4"
 Δ = 16°53'49.0" Lt.
 R = 850.00'
 L = 250.67'
 T = 126.25'
 E = 9.33'

U.S. ROUTE 202 (WEST)
 CURVE DATA #2
 PI = 28+57.14
 D = 114°35'29.6"
 Δ = 50°58'34.9" Rt.
 R = 50.00'
 L = 44.49'
 T = 23.84'
 E = 5.39'

ROUTE 26
 CURVE DATA #1
 PI = 38+46.70
 D = 57°17'44.8"
 Δ = 18°41'01.8" Lt.
 R = 100.00'
 L = 32.61'
 T = 16.45'
 E = 1.34'

U.S. ROUTE 202
 CURVE DATA #1
 PI = 104+87.10
 D = 0°34'22.6"
 Δ = 0°59'52.9" Rt.
 R = 10000.00'
 L = 174.19'
 T = 87.10'
 E = 0.38'

U.S. ROUTE 202
 CURVE DATA #2
 PI = 107+16.05
 D = 17°37'46.1"
 Δ = 47°09'41.7" Rt.
 R = 325.00'
 L = 267.52'
 T = 141.86'
 E = 29.61'

ROUTE 115
 CURVE DATA #1
 PI = 10+58.09
 D = 11°27'33.0"
 Δ = 6°43'13.1" Lt.
 R = 500.00'
 L = 58.65'
 T = 29.36'
 E = 0.86'

ROUTE 115
 CURVE DATA #2
 PI = 11+93.69
 D = 0°45'50.2"
 Δ = 1°37'27.6" Lt.
 R = 7500.00'
 L = 212.62'
 T = 106.32'
 E = 0.75'

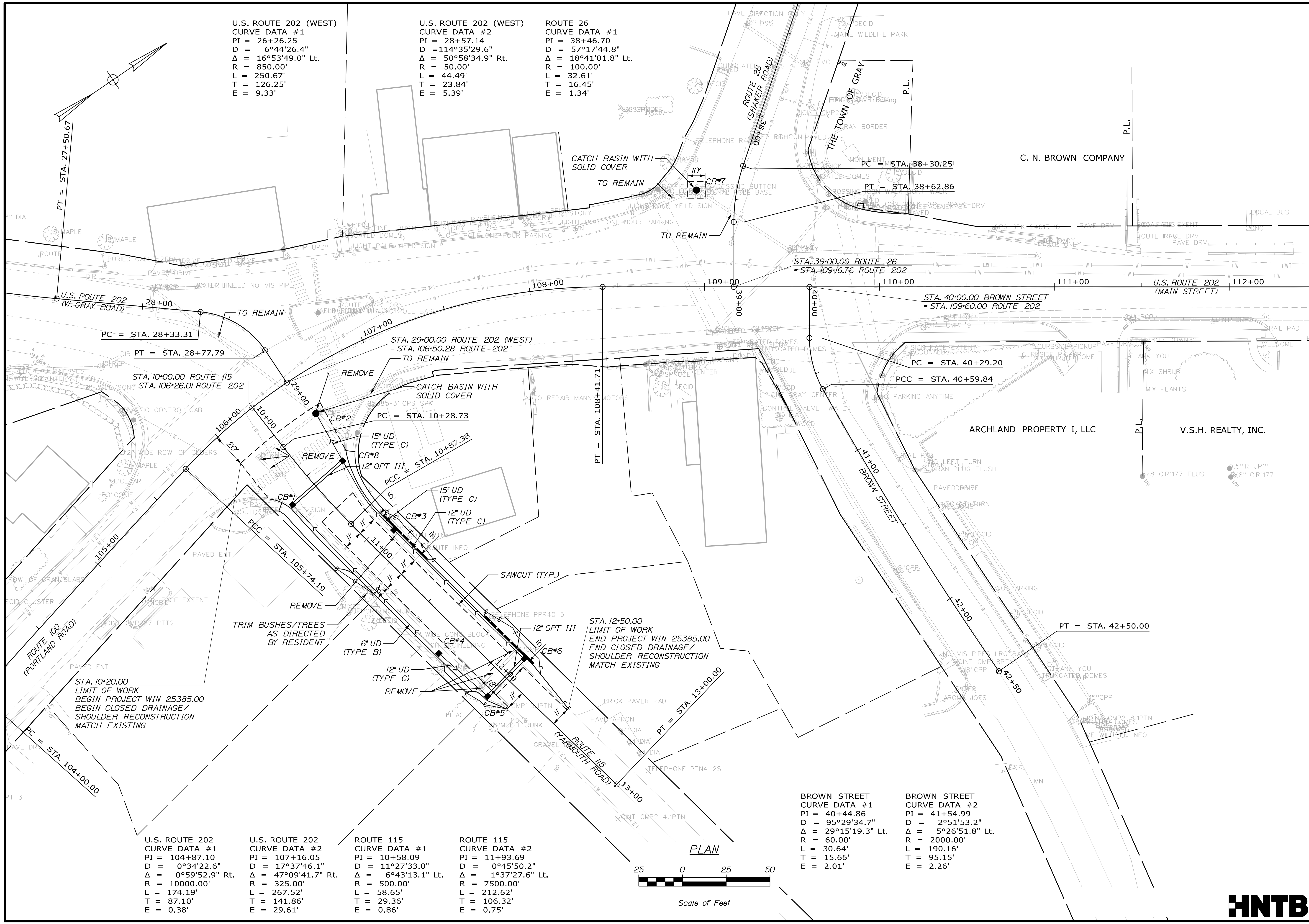
BROWN STREET
 CURVE DATA #1
 PI = 40+44.86
 D = 95°29'34.7"
 Δ = 29°15'19.3" Lt.
 R = 60.00'
 L = 30.64'
 T = 15.66'
 E = 2.01'

BROWN STREET
 CURVE DATA #2
 PI = 41+54.99
 D = 2°51'53.2"
 Δ = 5°26'51.8" Lt.
 R = 2000.00'
 L = 190.16'
 T = 95.15'
 E = 2.26'



PLAN

Scale of Feet



| | | | | | |
|-----------------|-------------|------------------------------|----------------------------|---------------|-------|
| STATE OF MAINE | | DEPARTMENT OF TRANSPORTATION | | 2538500 | |
| WIN | | 25385.00 | | HIGHWAY PLANS | |
| PROJ. MANAGER | L. HAMILTON | BY | D. BURTON | DATE | 03/23 |
| DESIGN-DETAILED | D. BURTON | CHECKED-REVIEWED | R. HANE | DATE | 03/23 |
| DESIGN-DETAILED | B. HAVU | DESIGN-DETAILED | | | |
| REVISIONS 1 | | REVISIONS 1 | | P.E. NUMBER | |
| REVISIONS 2 | | REVISIONS 2 | | DATE | |
| REVISIONS 3 | | REVISIONS 3 | | | |
| REVISIONS 4 | | REVISIONS 4 | | | |
| FIELD CHANGES | | FIELD CHANGES | | | |
| GRAY | | | U.S. ROUTE 202 & ROUTE 115 | | |
| PLAN | | | SHEET NUMBER | | |
| 6 | | | OF 13 | | |

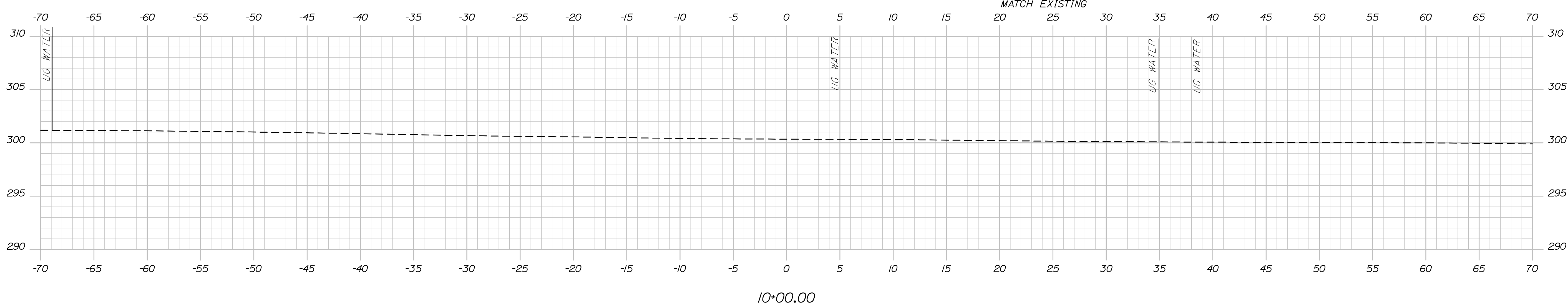
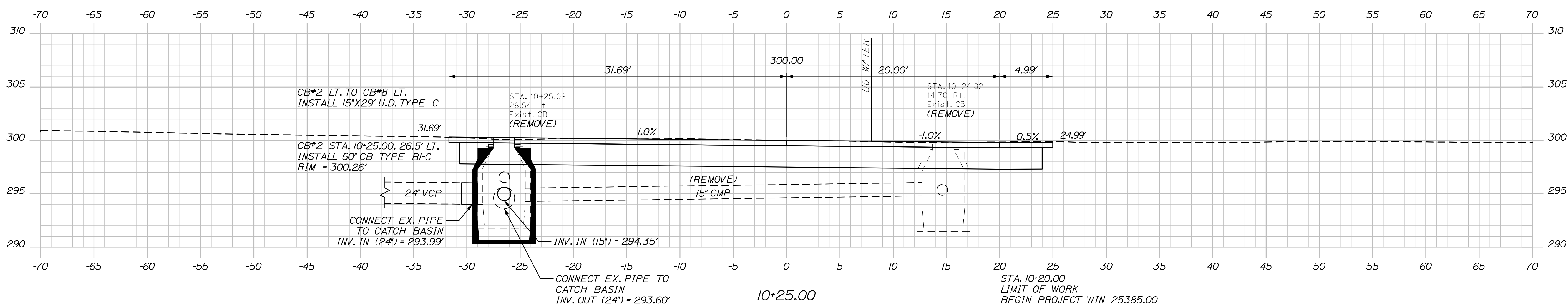
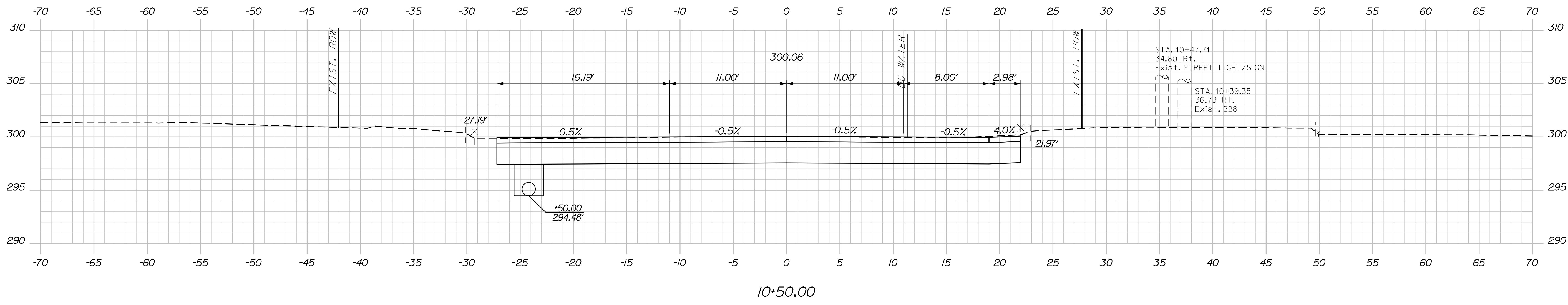


Date: 4/3/2023

Username:

Division:

Filename: Route 115 X-Section.dgn



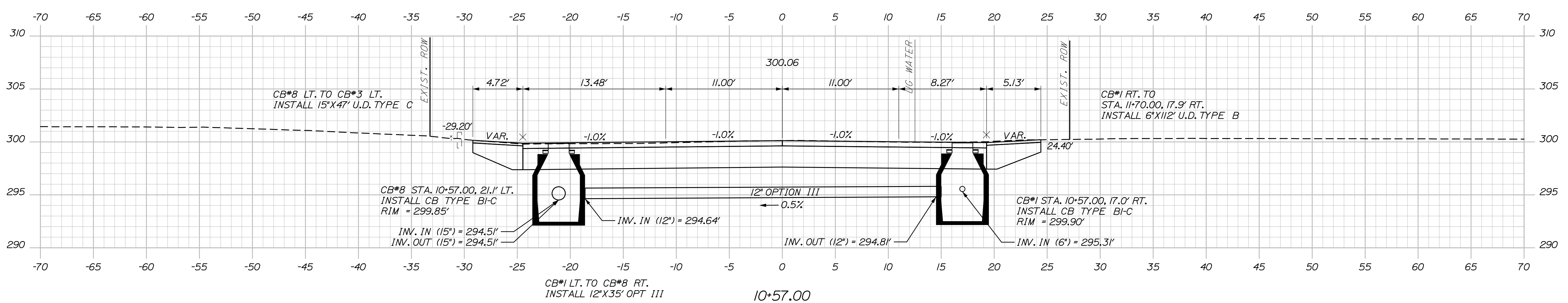
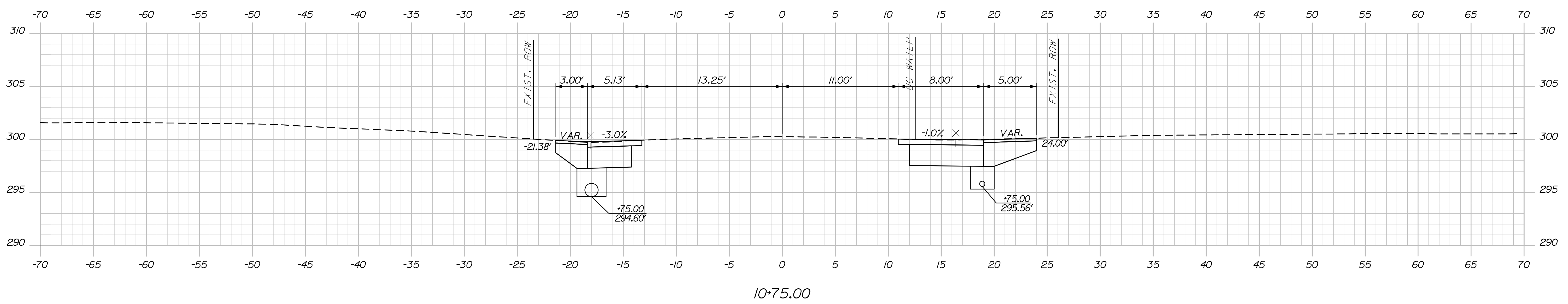
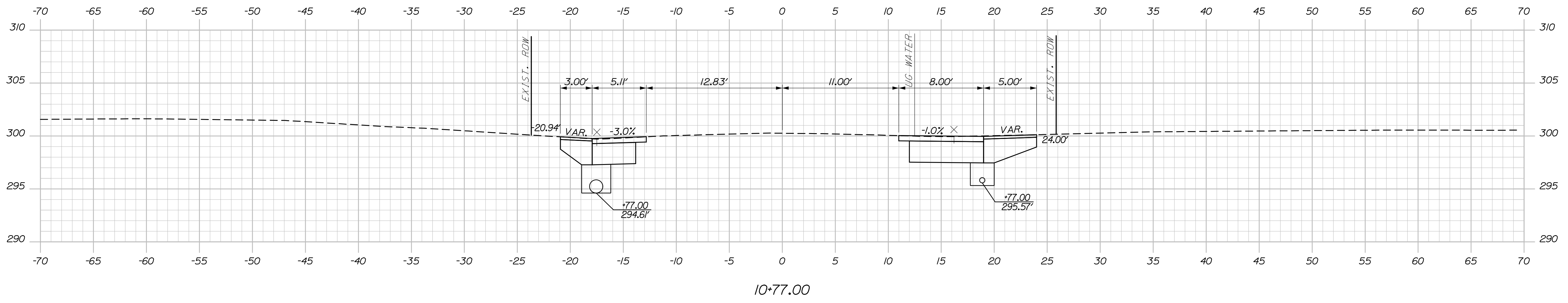
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| STATE OF MAINE DEPARTMENT OF TRANSPORTATION | | 2538500 | | WIN 25385.00 | | HIGHWAY PLANS | |
| PROJECT: GRAY U.S. ROUTE 202 & ROUTE 115 | | SHEET NUMBER | | 2 | | OF 13 | |
| PROJ. MANAGER | L. HAMILTON | BY | D. BURTON R. HANE | DATE | 03/23 | SIGNATURE | |
| DESIGN DETAILED | D. BURTON | CHECKED/REVIEWED | B. HAVU | DATE | 03/23 | P.E. NUMBER | |
| DESIGNS DETAILED | | DESIGNS DETAILED | | DATE | | DATE | |
| REVISIONS 1 | | REVISIONS 1 | | DATE | | DATE | |
| REVISIONS 2 | | REVISIONS 2 | | DATE | | DATE | |
| REVISIONS 3 | | REVISIONS 3 | | DATE | | DATE | |
| REVISIONS 4 | | REVISIONS 4 | | DATE | | DATE | |
| FIELD CHANGES | | FIELD CHANGES | | DATE | | DATE | |

Date: 4/3/2023

Username:

Division:

Filename: Route 115 X-Section.dgn



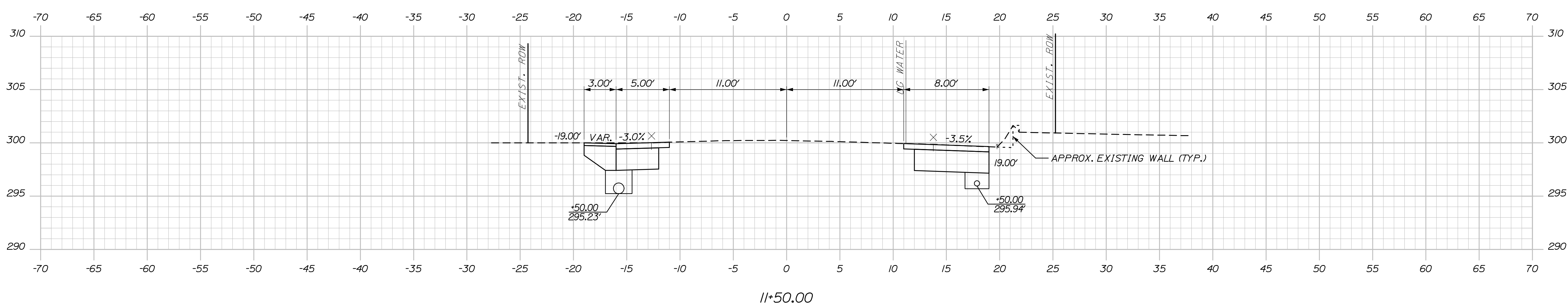
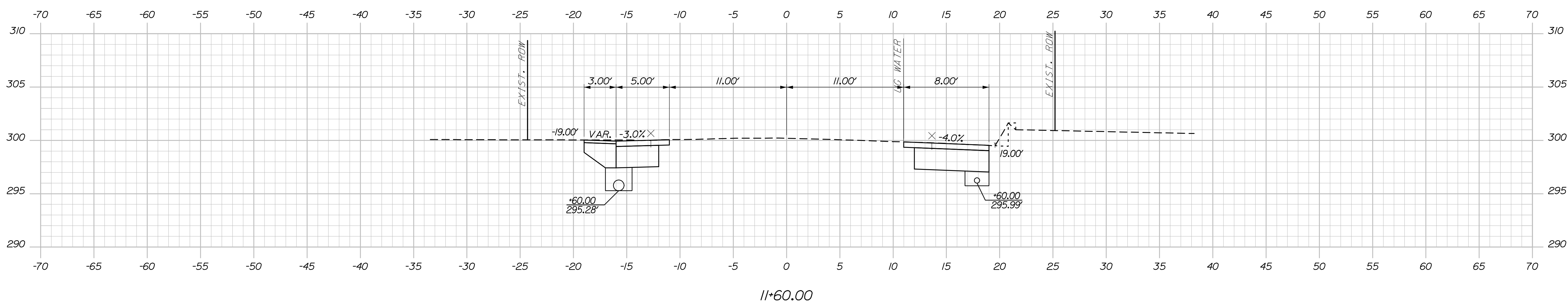
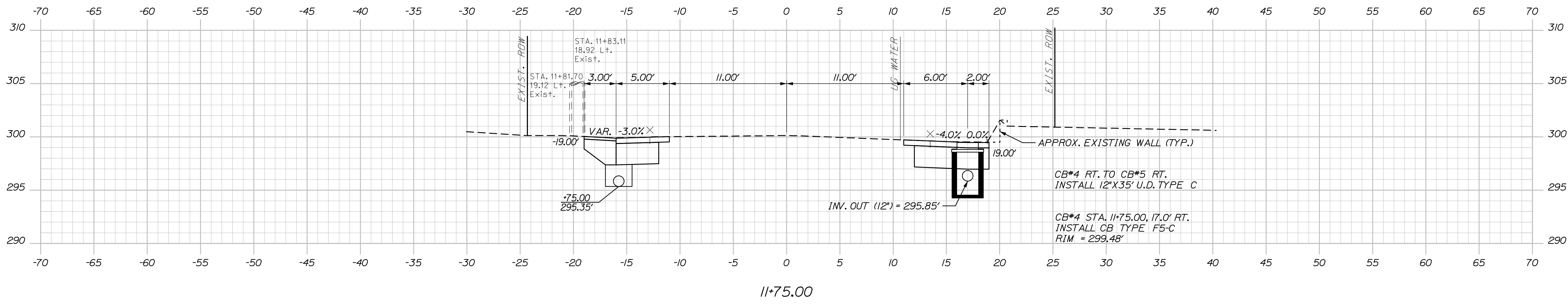
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| STATE OF MAINE DEPARTMENT OF TRANSPORTATION | | 2538500 | | WIN 25385.00 | | HIGHWAY PLANS | |
| PROJECT: GRAY U.S. ROUTE 202 & ROUTE 115 | | SHEET NUMBER 8 | | DATE | | DATE | |
| PROJ. MANAGER | L. HAMILTON | BY | D. BURTON | DATE | 03/23 | SIGNATURE | |
| CHECKED | D. BURTON | DESIGNED | R. HANE | DATE | 03/23 | P.E. NUMBER | |
| DESIGNED | B. HAVU | DESIGNED | | REVISIONS 1 | | | |
| DESIGNED | | DESIGNED | | REVISIONS 2 | | | |
| REVISIONS 1 | | REVISIONS 3 | | REVISIONS 4 | | | |
| REVISIONS 2 | | FIELD CHANGES | | | | | |

Date: 4/3/2023

Username:

Division:

Filename: Route 115 X-Section.dgn



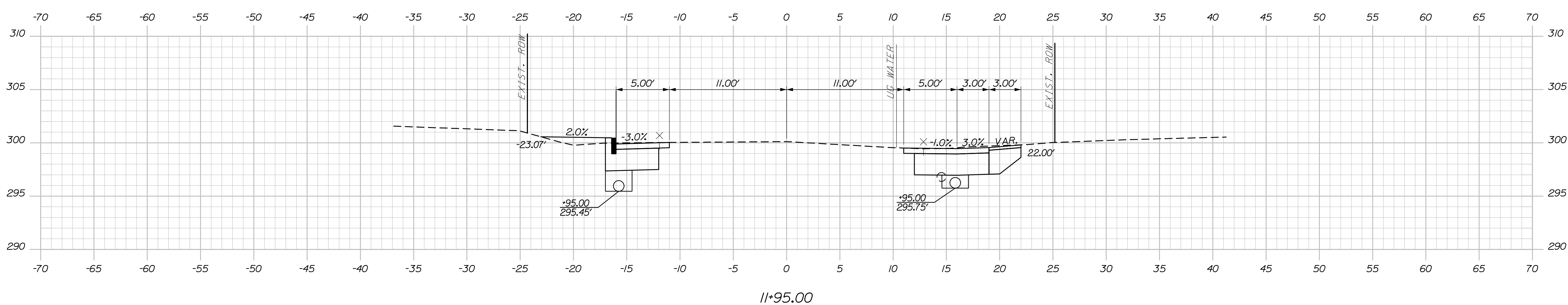
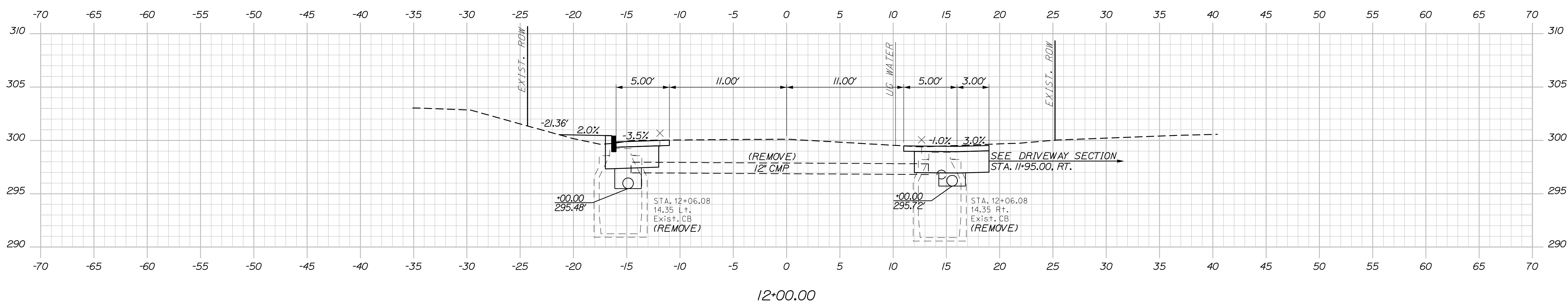
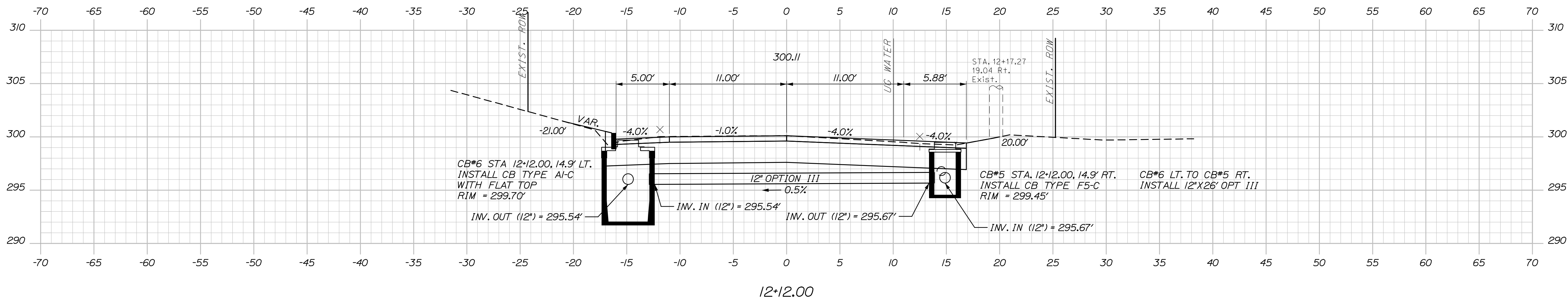
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| STATE OF MAINE DEPARTMENT OF TRANSPORTATION | | 2538500 | | WIN 25385.00 | | HIGHWAY PLANS | |
| PROJECT NUMBER | | DATE | | SIGNATURE | | P.E. NUMBER | |
| DESIGN/DATE | | BY | | DATE | | DATE | |
| L. HAMILTON | | D. BURTON | | 03/23 | | | |
| B. HAVU | | R. HANE | | 03/23 | | | |
| DESIGN/DATE | | BY | | DATE | | DATE | |
| REVISIONS 1 | | REVISIONS 2 | | REVISIONS 3 | | REVISIONS 4 | |
| FIELD CHANGES | | | | | | | |
| GRAY U.S. ROUTE 202 & ROUTE 115 | | | | CROSS SECTIONS | | | |
| SHEET NUMBER | | | | 10 | | | |
| | | | | OF 13 | | | |

Date: 4/3/2023

Username:

Division:

Filename: Route 115 X-Section.dgn



| | | |
|------|----------------------|-------------|
| DATE | 03/23 | SIGNATURE |
| BY | D. BURTON R. HANE | P.E. NUMBER |
| DATE | | DATE |

| | |
|------------------|-------------|
| PROJ. MANAGER | L. HAMILTON |
| DESIGN DETAILED | D. BURTON |
| CHECKED/REVIEWED | B. HAVU |
| DESIGN DETAILED | |
| REVISIONS 1 | |
| REVISIONS 2 | |
| REVISIONS 3 | |
| REVISIONS 4 | |
| FIELD CHANGES | |

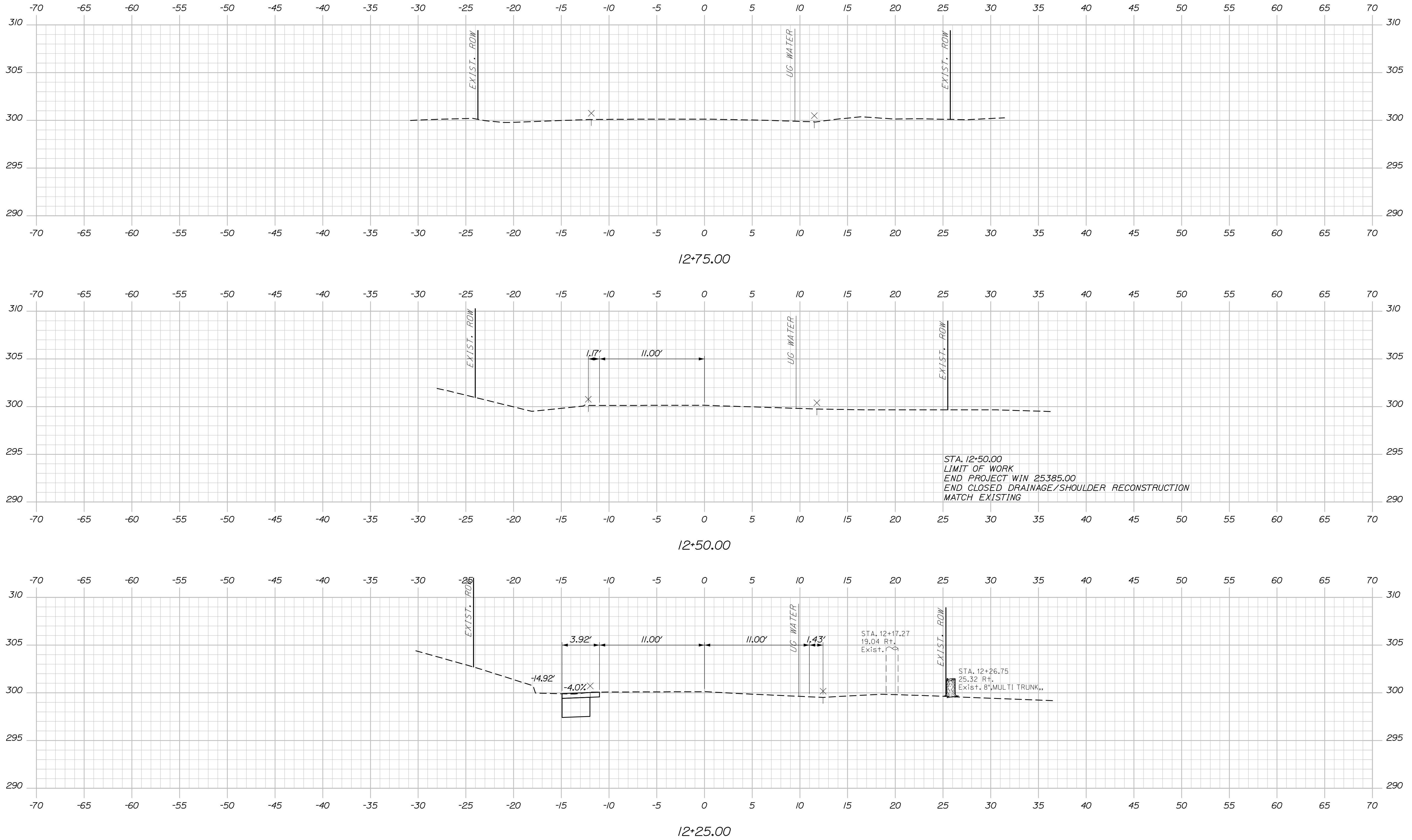
GRAY
U.S. ROUTE 202 & ROUTE 115
CROSS SECTIONS

Date: 4/3/2023

Username:

Division:

Filename: Route 115 X-Section.dgn



STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

2538500

WIN

25385.00

HIGHWAY PLANS

DATE

03/23

BY

L. HAMILTON

PROJ. MANAGER

DESIGN DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

CHECKED/REVIEWED

DESIGN DETAILED

DESIGN DETAILED

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GRAY
U.S. ROUTE 202 & ROUTE 115

CROSS SECTIONS

SHEET NUMBER

12

OF 13

Sta. 12+25.00 to Sta. 12+75.00

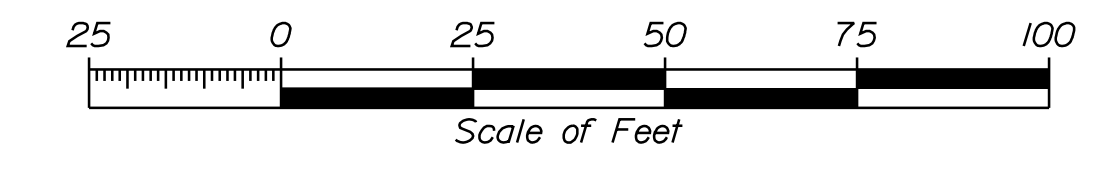
Town, County, State _____
 Approx. Property Lines _____ P.L.
 Existing Right of Way _____ L.O.W.P.
 Limits of Wrought Portion _____ C.O.A.
 Control Of Access _____
 New Right of Way _____
 New Easement _____
 New Temporary Rights _____
 New R/W Within Existing R/W _____

New R/W Along Existing R/W
 Building _____
 Trees Conifer _____
 Tree Line _____
 Water Edge _____
 Ledge _____
 Fence CHAIN LINK _____
 Sign _____
 Clearing Limit Line _____
 Bush Line _____
 Rock/Boulder _____
 BARB WIRE _____
 WELL _____
 Flag Pole _____
 STOCKADE _____
 Mailbox _____

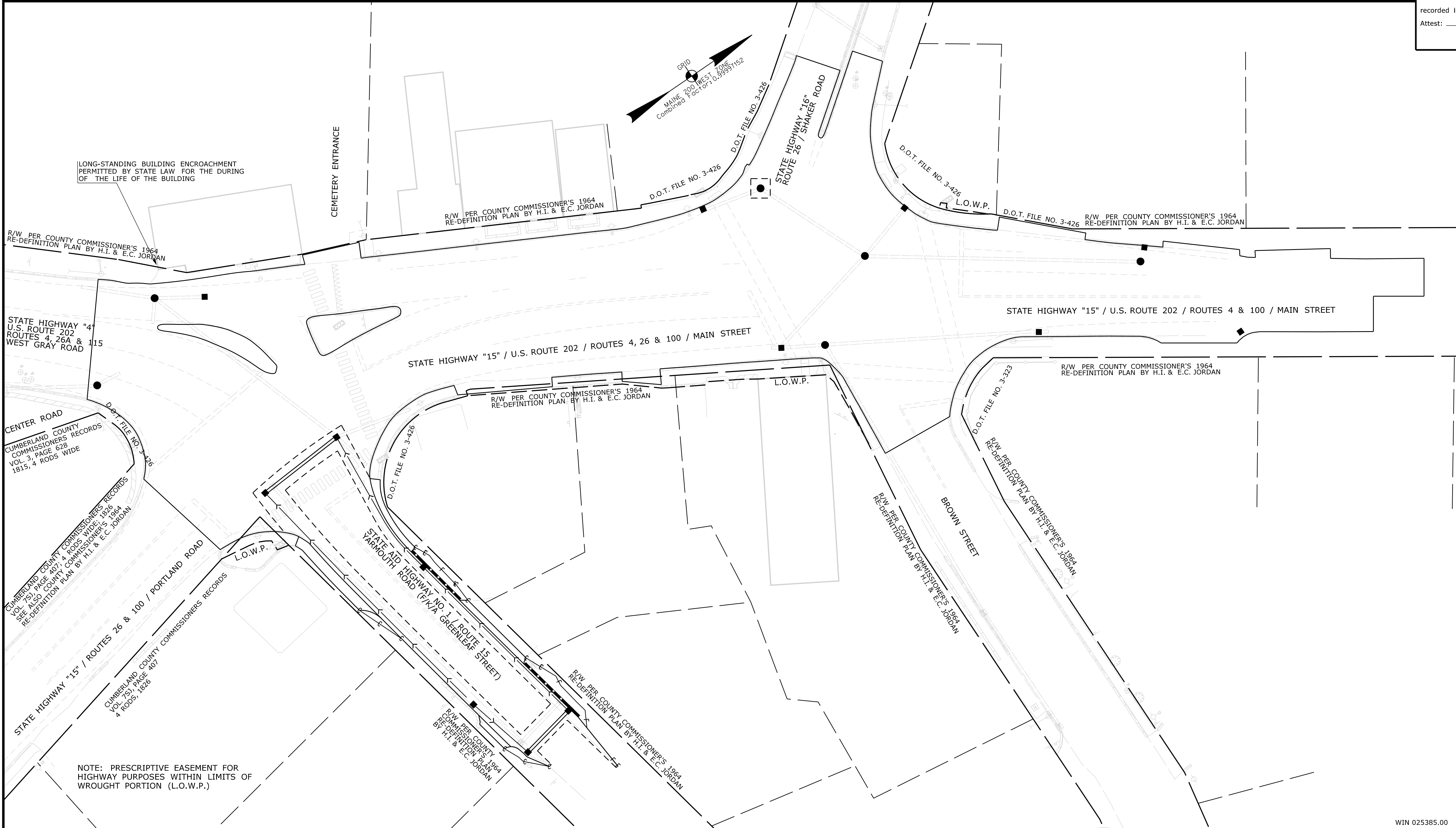
PLAN LEGEND
 Existing _____ Proposed _____
 Sanitary Sewer _____
 Telephone Line _____
 Electric Line _____
 Water Line _____
 Underdrain Line _____
 Gas Line _____
 Guardrail _____
 Culvert _____
 Traveled Way _____
 Ditch _____
 Catch Basin _____
 Manhole _____
 Sewer Manhole _____
 Utility Pole _____
 Fire Hydrant _____
 Curbing _____

Cut Line _____
 Stonewall _____
 Baseline 10+00 _____
 Monument _____
 Iron Rod Found IRF _____
 Replacement Pin Set _____
 Fill Line _____
 Retaining Wall _____
 11+00 _____
 Traverse Point _____
 Pipe Found IPF _____

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



FOR OFFICE OR
 BID USE ONLY
 (NOT TO BE RECORDED)

| ITEM | TECH | CHECKED |
|-------------------------|------|---------|
| EXISTING CONDITION PLAN | B.S. | . |
| FINAL RIGHT OF WAY | . | . |
| AREAS | . | . |

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

Filename: ...100\ROW\MSTA\001_RWP\PLAN1.dgn
 Division: ROW
 Username: Jude.Hogan
 Date: 4/3/2023

| REVISIONS | | | THIS PLAN IS NOT FOR RECORDING PURPOSES | | | | | | |
|-----------|------|-------------|---|-----|---------|------------|------|------|------|
| NO. | DATE | DESCRIPTION | BY | NO. | GRANTOR | INSTRUMENT | DATE | BOOK | PAGE |
| | | | | | | | | | |
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BRUCE A. VAN NOTE
 COMMISSIONER
 JOYCE NOEL TAYLOR
 CHIEF ENGINEER
 DATE _____

STATE HIGHWAY "15"
 U.S. ROUTE 202 / ROUTES 4, 26, 100 / MAIN ST.
 GRAY
 CUMBERLAND COUNTY
 STATE PROJECT NO. 2538500

SHEET NUMBER
13
 OF 13

OCTOBER 2022
 SCALE 1" = 25'

RIGHT-OF-WAY MAP
 SHEET 1 OF 1

WIN 025385.00