# STATE OF MAINE
# DEPARTMENT OF TRANSPORTATION

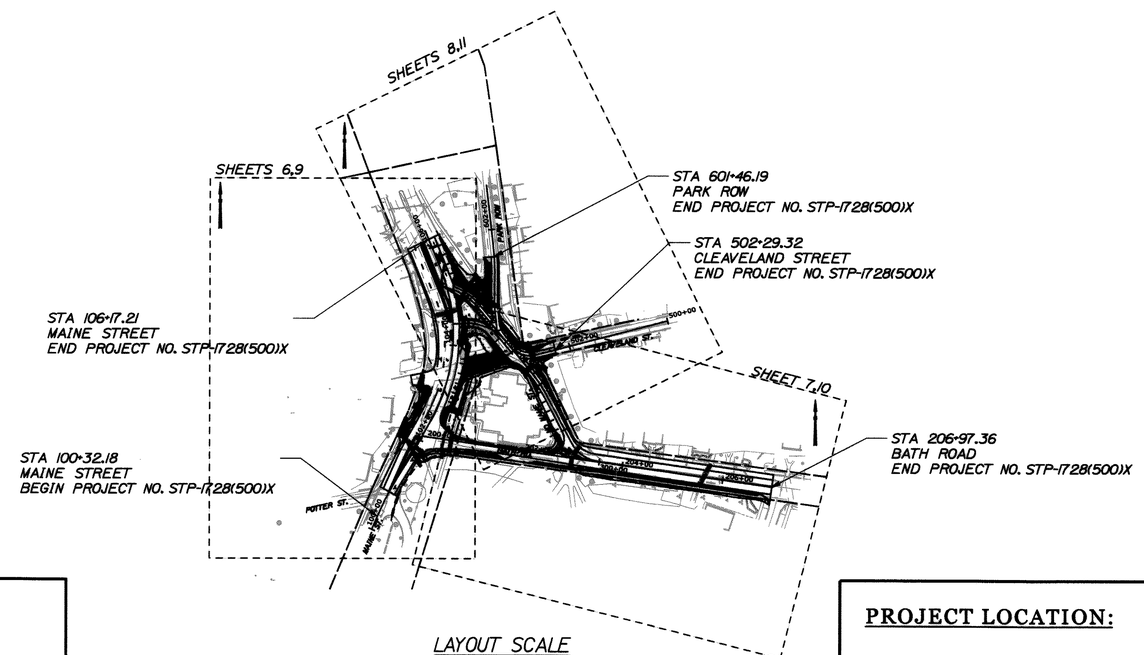
## PLAN LEGEND

Town, County, State
Property Lines
R/W Lines-Existing
R/W Lines-Proposed
Culvert-Existing
Culvert Proposed
Curbing — Existing — Proposed
Type 1
Type 3
Type 5
Outline of Bodies of Water
Ledge
Buildings
Trees — Conifer — Deciduous
Tree Line
Clearing Limit Line — CLL
Centerline-Existing
Centerline-Proposed — 10+00
Travelway-Existing
Travelway-Proposed
Railroad
Catch Basins — Existing — Proposed
Manholes — Existing — Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch
Utility Poles — Existing — Proposed
Fire Hydrants — Existing — Proposed
Existing Water Line
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

# BRUNSWICK
## CUMBERLAND
MAINE STREET @ BATH ROAD
## FEDERAL AID PROJECT NO. STP-1728(500)X
PROJECT LENGTH : 0.387 MILES
SAFETY IMPROVEMENTS & PEDESTRIAN ENHANCEMENTS

## INDEX OF SHEETS


| Description | Sheet No. |
|---|---|
| Title Sheet | 1 |
| Typical Sections | 2,3 |
| Special Details | 4 |
| Geometric Layout Sheet | 5 |
| Construction Plans | 6-8 |
| Pavement Marking Plans | 9-11 |
| Cross Sections | 12-32 |
| Landscaping Plans | 33-35 |
| ROW Plans | 36,37 |


## TRAFFIC DATA

Maine Street Current (2008) AADT.. 20,620
Maine Street Design Hour Volume..... 2,050
Bath Road Current (2008) AADT.....9,920
Bath Road Design Hour Volume..... 1,000
Design Speed (mph).....25
Functional Class:..... Non-NHS Urban Collector

| | |
|---|---|
| **PROJECT LOCATION:** | In the town of Brunswick including portions of Maine Street, Bath Road, No Name Street, Cleaveland Street and Park Row. |
| **PROGRAM AREA:** | Maintenance & Operations |
| **OUTLINE OF WORK:** | Safety improvements and pedestrian enhancements. |

WIN 17285.00 STP-1728(500)X

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED — DATE
COMMISSIONER — 6/13/11
CHIEF ENGINEER — 6/11/11

PROJECT INFORMATION

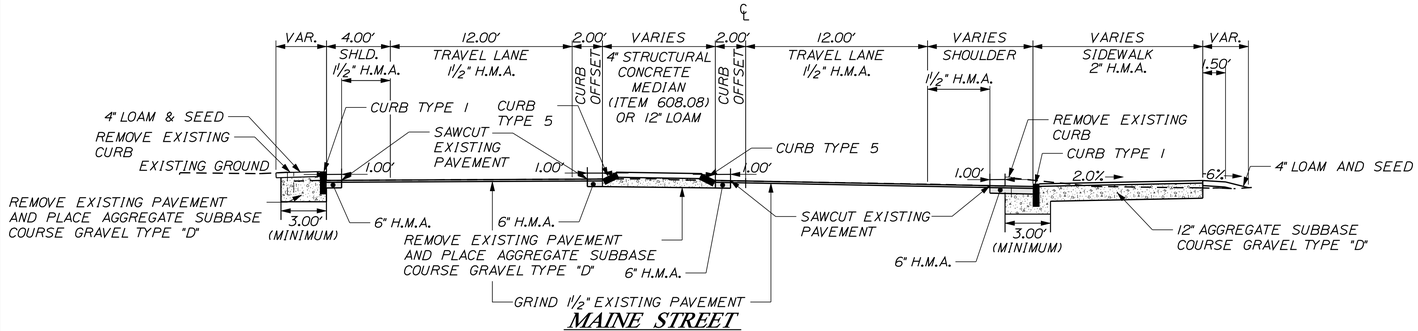
| | |
|---|---|
| PROGRAM | MAINT. & OPER. |
| PROJECT MANAGER | J. MANSIR |
| DESIGNER | S. SAWYER |
| CONSULTANT | SEBAGO TECHNICS, INC. |
| PROJECT RESIDENT | |
| CONTRACTOR | |
| PROJECT COMPLETION DATE | |

SIGNATURE — P.E. NUMBER 3736 — DATE 6/6/11

BRUNSWICK
MAINE STREET @ BATH ROAD
TITLE SHEET

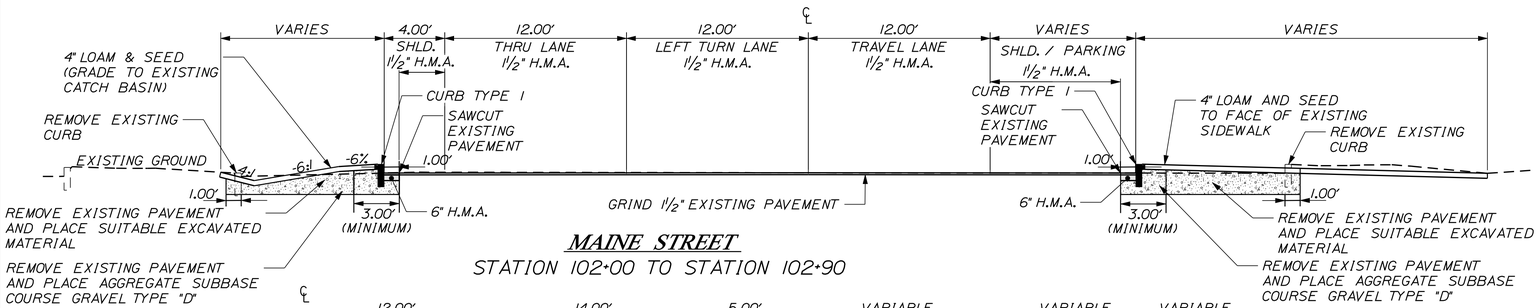
SHEET NUMBER
1
OF 37

Filename: ...\MSTA\09-13-10\001_Title.dgn Division: HIGHWAY Username: blyon Date:6/6/2011



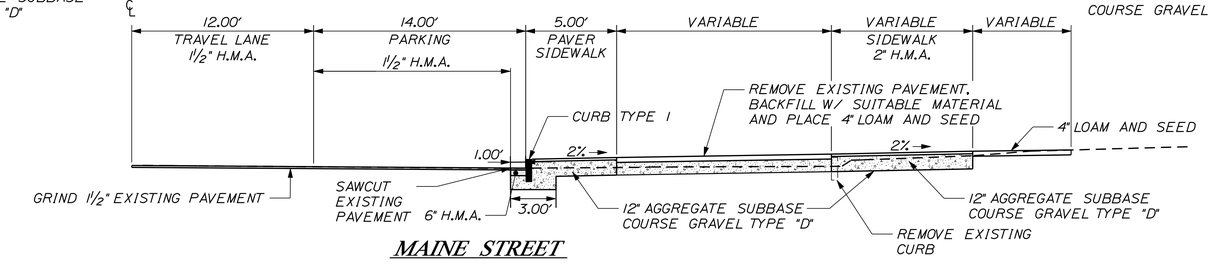

**MAINE STREET**

STATION 101+60 TO STATION 102+00



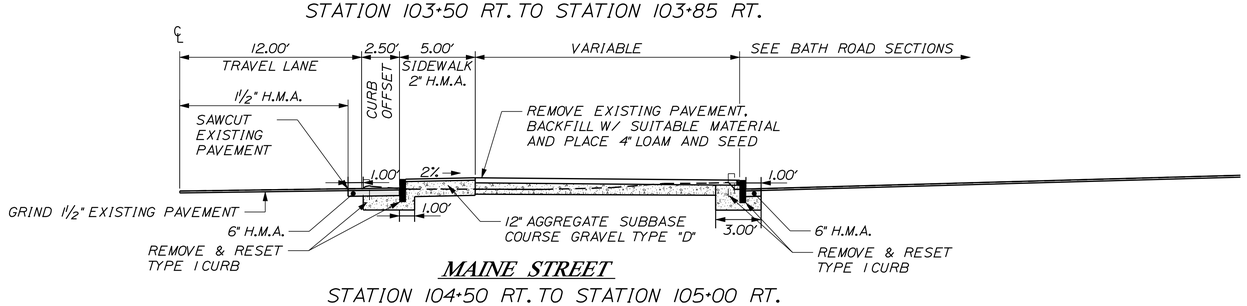

**MAINE STREET**

STATION 102+00 TO STATION 102+90



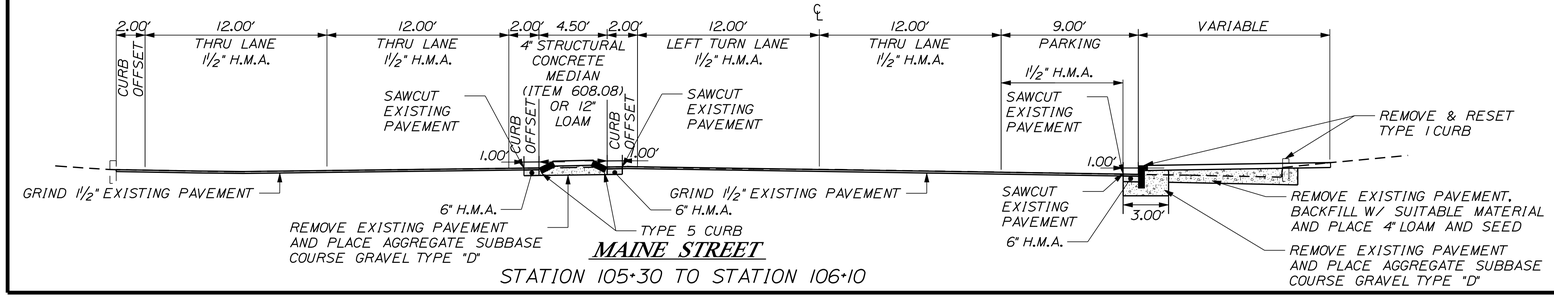

**MAINE STREET**

STATION 103+50 RT. TO STATION 103+85 RT.




**MAINE STREET**

STATION 104+50 RT. TO STATION 105+00 RT.




**MAINE STREET**

STATION 105+30 TO STATION 106+10

## GENERAL NOTES:

1. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.
2. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE.
3. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN WASTE AREAS APPROVED BY THE RESIDENT.
4. ALL PAVED WALKS TO BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE-GRAVEL AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
5. FULL DEPTH PAVEMENT REMOVAL SHOWN ON THE TYPICAL SECTIONS AND CROSS SECTIONS SHALL BE PAID FOR AS COMMON EXCAVATION.
6. THE SURFACE TREATMENT FOR THE ENDS OF THE TWO MEDIAN ISLANDS ON MAINE STREET SHALL BE 4" THICK PORTLAND CEMENT CONCRETE, IN ACCORDANCE WITH STANDARD DETAIL 608(01). PAYMENT SHALL BE MADE UNDER ITEM 608.08 REINFORCED CONCRETE SIDEWALK. THE INTERIOR OF THESE ISLANDS WILL BE LEFT AS LOAM FOR PLANTING BY THE TOWN
7. CONDUIT FOR PEDESTRIAN FLASHERS SHALL BE 3" DIAMETER PVC SCHEDULE 40 AND SCHEDULE 80 UNDER ROADWAY.
8. MULTIPLE SIGNS ON ONE POST ARE PAID FOR AS ONE DEMOUNT OR REINSTALL SIGN.
9. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):
   - o ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS
   - o ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT
   - o FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND/OR FILL MATERIAL INCLUDING GRANULAR BORROW USED UNDER PIPES AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL).
   - o GRANULAR BORROW UNDER THE PIPE SHALL MEET THE REQUIREMENTS FOR UNDERWATER BACKFILL
   - o ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES
10. EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER ITEM 631.32 CULVERT CLEANER (INCLUDING OPERATOR).
11. EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE RESIDENT UNDER THE APPROPRIATE PAY ITEMS.
12. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
13. 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 ITEM 603.
14. IN AREAS WHERE CURB TYPE 1 WILL BE RESET. THE EXISTING CURB SUITABLE FOR USE AS TERMINAL ENDS SHALL BE CUT IF NECESSARY AND UTILIZED AS SUCH AND PAID FOR UNDER ITEM 609.38 (RESET CURB TYPE 1).
15. 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.
16. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS.
17. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES.
18. ANY DAMAGE TO THE SLOPES BEYOND THE GRADING LIMITS SHOWN HEREIN 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. MATERIAL FOR AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE MATERIAL EXCAVATED WITHIN THE PROJECT.
20. NO SEPARATE PAYMENT FOR SUPERINTENDENT WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
21. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
22. HANDICAPPED ACCESS TO THE CHURCH SHALL BE MAINTAINED AT ALL TIMES.
23. NO WORK CAN BE PERFORMED ON MEMORIAL DAY.
24. STATIONS REFERENCED ARE APPROXIMATE.
25. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | | |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
MAINE STREET

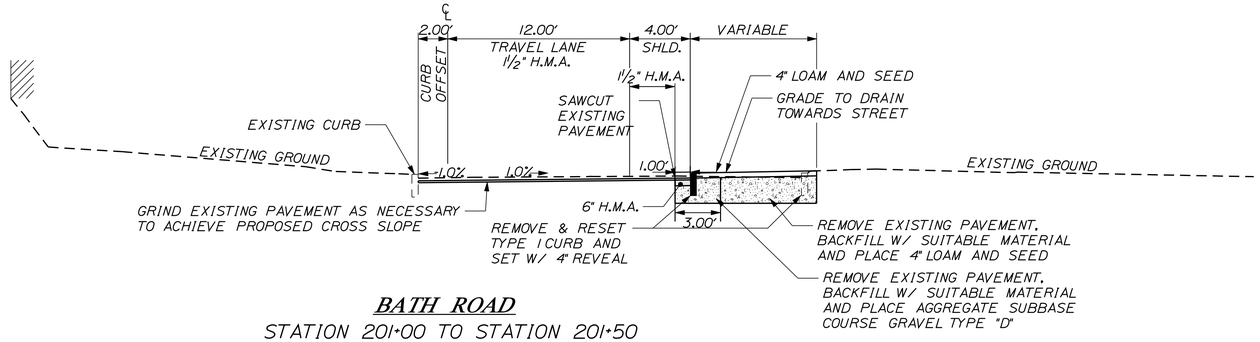
TYPICAL SECTIONS

SHEET NUMBER

2

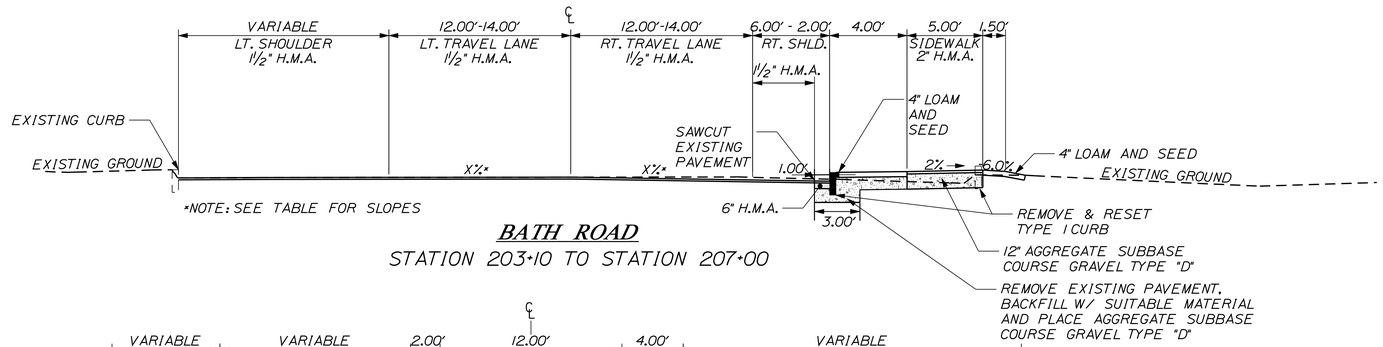
OF 37

Filename: ...\MSTA\09-13-101.002_Typical.dgn Division: HIGHWAY Username: blyon Date:6/10/2011



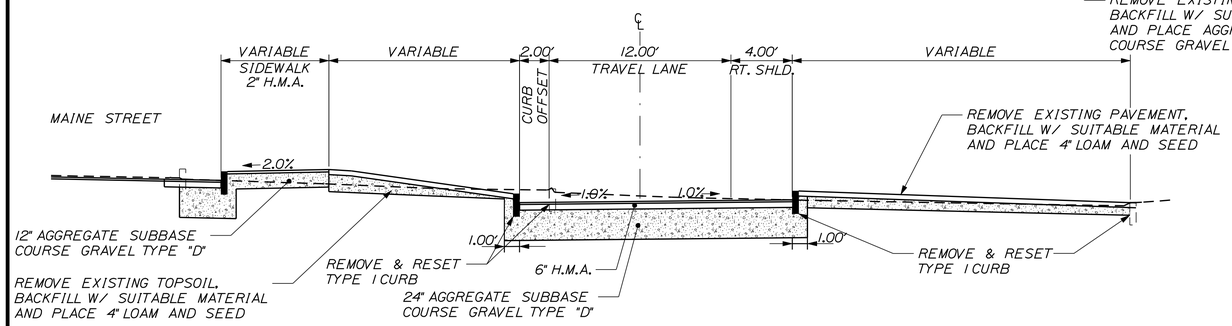

**BATH ROAD**

STATION 201+00 TO STATION 201+50



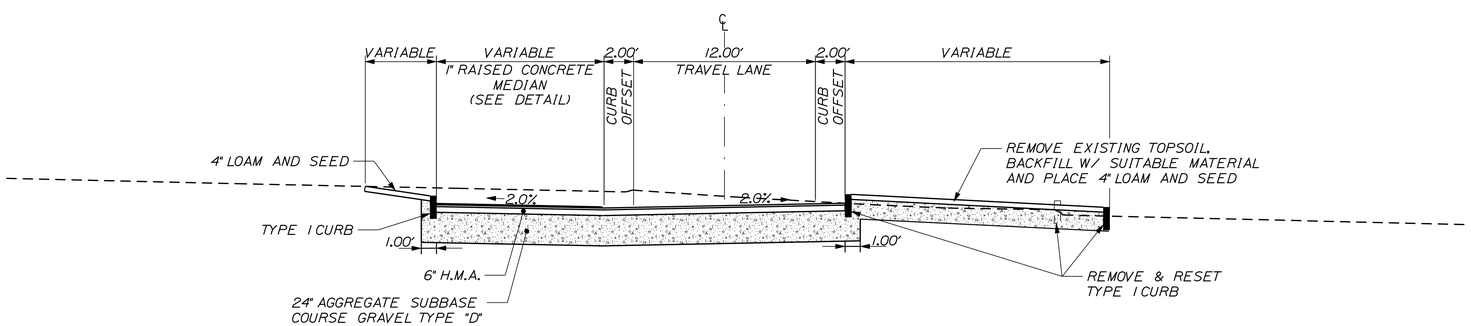

**BATH ROAD**

STATION 203+10 TO STATION 207+00




**NO NAME ST.**

STATION 304+18 STATION 304+56




**NO NAME ST. LEFT TURN LANE**

STATION 400+70 STATION 401+00

## CROSS SLOPE TABLE

| LT. SHOULDER | LT TRAVELWAY | STATION | RT TRAVELWAY | RT. SHOULDER |
|---|---|---|---|---|
| | | START | | |
| -1.0% | -1.0% | 201+50 | -1.0% | -1.0% |
| -1.0% | -1.0% | 201+75 | -0.3% | -0.3% |
| -1.0% | -1.0% | 202+00 | -1.6% | -1.6% |
| -1.0% | -1.0% | 202+25 | -2.8% | -2.8% |
| -0.5% | -0.5% | 202+50 | -4.0% | -4.0% |
| X.X%* | X.X%* | 202+75 | -4.0% | -4.0% |
| X.X%* | X.X%* | 203+00 | -2.8% | -2.8% |
| X.X%* | X.X%* | 203+25 | -1.6% | -1.6% |
| X.X%* | X.X%* | 203+50 | X.X%* | X.X%* |

*NOTE: 1.5" MILL AND OVERLAY

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | BY | DATE |
|---|---|---|
| PROJ. MANAGER | J. MANSIR | |
| DESIGN-DETAILED | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | |
| DESIGN3-DETAILED3 | | |
| REVISIONS 1 | | |
| REVISIONS 2 | | |
| REVISIONS 3 | | |
| REVISIONS 4 | | |
| FIELD CHANGES | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
MAINE STREET

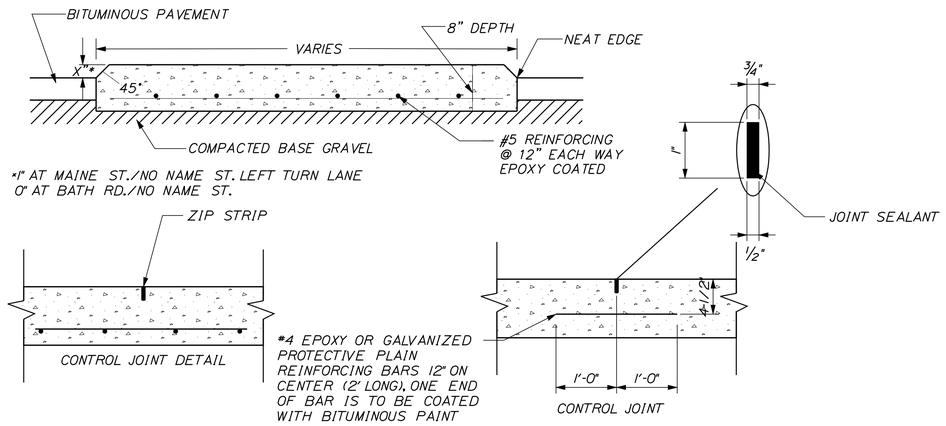
TYPICAL SECTIONS

SHEET NUMBER

3

OF 37

Filename: ...\MSTA\09-13-10\003_TYPICAL.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




## STRUCTURAL CONCRETE ROADWAY MEDIAN

## NOTES:

1. ALL WORK SHALL CONFORM WITH APPLICABLE PROVISIONS OF SECTION 502, STRUCTURAL CONCRETE; SECTION 503, REINFORCING STEEL; AND SECTION 515 PROTECTIVE COATING FOR CONCRETE SURFACES OF MAINE DOT'S STANDARD SPECIFICATIONS.

2. CONCRETE SHALL BE CLASS A.

3. JOINT SEALANT CONFORMING TO SECTION 714.04.

4. ZIP STRIP CONTROL JOINT SHALL BE 1/2" HARRIS PLASTIC CONTROL JOINT FORMER OR EQUIVALENT.

5. SAW CUT VERTICALLY AND REMOVE THE EXISTING PAVEMENT AS SHOWN ON THE LAYOUT PLAN.

6. APPLY A LIGHT COAT OF ASPHALT, TO ACT AS A BOND BREAKER, BETWEEN THE CONCRETE AND ADJACENT PAVEMENT.

7. THE COMPACTED GRAVEL BASE SHALL BE THOROUGHLY SATURATED WITH WATER PRIOR TO PLACEMENT OF THE CONCRETE.

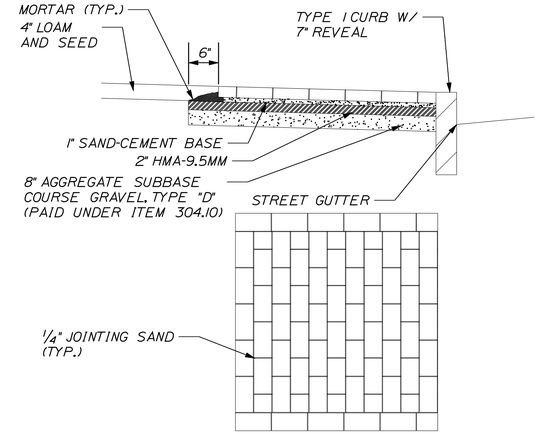
8. CONCRETE SHALL BE PLACED IN A CONTINUOUS OPERATION TO KEEP CONSTRUCTION JOINTS TO A MINIMUM. CONSTRUCTION JOINTS WILL BE USED WHEN THERE IS A BREAK IN THE PLACEMENT. CONSTRUCTION JOINTS SHALL BE BRUSHED WITH A NEAT CEMENT PASTE IMMEDIATELY PRIOR TO MAKING THE ADJACENT PLACEMENT.

9. CONSTRUCT CONTROL JOINTS AT 10' +/- SPACING AS SHOWN ON THE LAYOUT PLANS.

10. THE SURFACE OF THE CONCRETE SHALL RECEIVE A LIGHT BROOM FINISH PERPENDICULAR TO THE FLOW OF TRAFFIC.

11. THE CURING PERIOD FOR THE CONCRETE SHALL BE 7 DAYS AND MEET THE REQUIREMENTS OF SECTION 502.15.

12. THE FINISHED SURFACE OF THE CONCRETE SHALL RECEIVE A PROTECTIVE COATING IN ACCORDANCE WITH SECTION 515. PAYMENT SHALL BE INCIDENTAL TO OTHER ITEMS.



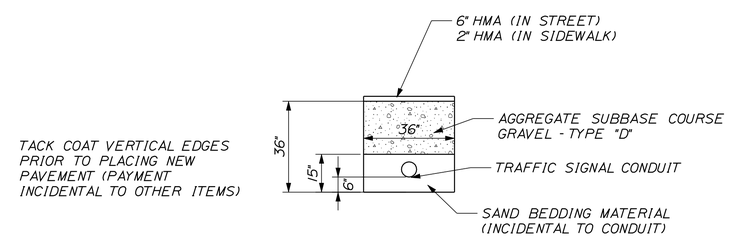

MATCH EXISTING PAVER PATTERN

NOTE:

1. PAY ITEM 608.2611 SHALL INCLUDE RESET CONCRETE PAVERS, MORTAR, SAND CEMENT BASE, AND 2" HMA.

2. NEW CONCRETE PAVERS SHALL MATCH THE SIZE, COLOR AND PATTERN OF THE EXISTING PAVERS

## RESET & NEW PAVER DETAIL




## ELECTRICAL CONDUIT DETAIL

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| PROJ. MANAGER | J. MANSIR | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
MAINE STREET

SPECIAL DETAILS

SHEET NUMBER

4

OF 37

Filename: ...\MSTA\09-13-10\004_DETAIL.dgn Division: HIGHWAY Username: blyon Date:6/10/2011

PLAN

40 0 40 80

Scale of Feet

Filename: ...\09-13-10\005_GEOMETRICS.dgn Division: HIGHWAY Username: blyon Date:6/10/2011

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
MAINE STREET

GEOMETRIC PLAN

SHEET NUMBER

5

OF 37

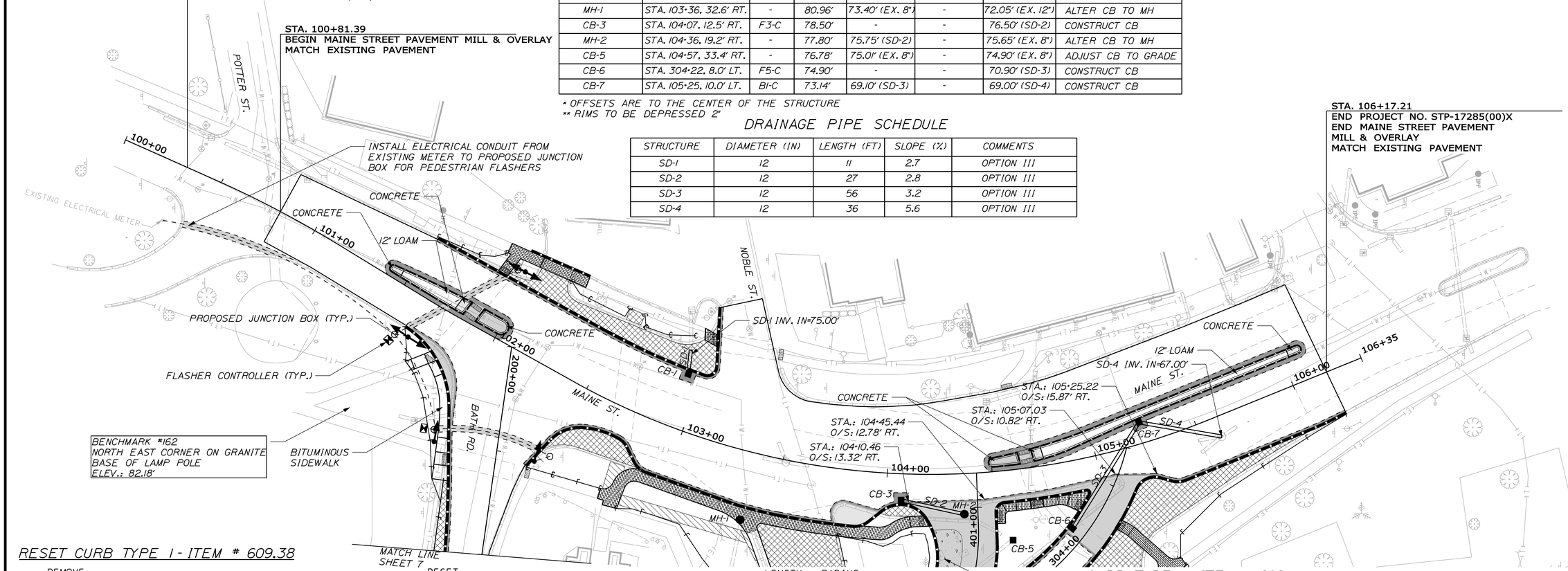
## DRAINAGE STRUCTURE SCHEDULE

| STRUCTURE | LOCATION* | TYPE | RIM | INV. IN | INV. IN | INV. OUT | COMMENTS |
|---|---|---|---|---|---|---|---|
| CB-1 | STA. 102+90, 26.4' LT. | F6-C | 80.30' | - | - | 75.30' (SD-1) | CONSTRUCT CB |
| MH-1 | STA. 103+36, 32.6' RT. | - | 80.96' | 73.40' (EX. 8") | - | 72.05' (EX. 12") | ALTER CB TO MH |
| CB-3 | STA. 104+07, 12.5' RT. | F3-C | 78.50' | - | - | 76.50' (SD-2) | CONSTRUCT CB |
| MH-2 | STA. 104+36, 19.2' RT. | - | 77.80' | 75.75' (SD-2) | - | 75.65' (EX. 8") | ALTER CB TO MH |
| CB-5 | STA. 104+57, 33.4' RT. | - | 76.78' | 75.01' (EX. 8") | - | 74.90' (EX. 8") | ADJUST CB TO GRADE |
| CB-6 | STA. 304+22, 8.0' LT. | F5-C | 74.90' | - | - | 70.90' (SD-3) | CONSTRUCT CB |
| CB-7 | STA. 105+25, 10.0' LT. | BI-C | 73.14' | 69.10' (SD-3) | - | 69.00' (SD-4) | CONSTRUCT CB |

* OFFSETS ARE TO THE CENTER OF THE STRUCTURE
** RIMS TO BE DEPRESSED 2"

## DRAINAGE PIPE SCHEDULE

| STRUCTURE | DIAMETER (IN) | LENGTH (FT) | SLOPE (%) | COMMENTS |
|---|---|---|---|---|
| SD-1 | 12 | 11 | 2.7 | OPTION III |
| SD-2 | 12 | 27 | 2.8 | OPTION III |
| SD-3 | 12 | 56 | 3.2 | OPTION III |
| SD-4 | 12 | 36 | 5.6 | OPTION III |




## RESET CURB TYPE 1 - ITEM # 609.38

REMOVE
STATION TO STATION
STA. 101+60.94, 16.00' RT. TO STA. 200+66.47, 23.22 RT.

STA. 200+54.73, 14.34' LT. TO STA. 102+91.24, 24.00' RT.

STA. 101+52.18, 26.85' LT. TO STA. 102+03.21, 44.76' LT.
STA. 102+17.09, 46.62' LT. TO STA. 102+96.90, 61.79' LT.

RESET

| STATION TO STATION | LENGTH | RADIUS |
|---|---|---|
| STA. 200+32.67, 24.86' RT. TO STA. 200+66.11, 20.50' RT. | 33.73' | |
| STA. 200+66.11, 20.50' RT. TO STA. 201+32.49, 16.00' RT. | 66.59' | 500' |
| STA. 201+32.49, 16.00' RT. TO STA. 201+45.16, 16.00' RT. | 12.67' | |
| STA. 200+49.01, 18.36' LT. TO STA. 200+41.05, 23.96' LT. | 9.70' | |
| STA. 102+79.01, 16.38' RT. TO STA. 102+84.47, 21.42' RT. | 7.65' | |
| STA. 101+52.18, 26.85' LT. TO STA. 101+78.43, 27.73' LT. | 25.38' | |
| STA. 101+85.72, 27.77' LT. TO STA. 101+90.77, 27.79' LT. | 5.05' | |
| STA. 101+97.84, 27.82' LT. TO STA. 102+43.82, 28.00' LT. | 45.98' | |
| STA. 102+43.82, 28.00' LT. TO STA. 103+00.84, 28.00' LT. | 52.46' | 322' |
| | 259.21' | |

## CURB TYPE 5 - CIRCULAR - ITEM # 609.35

| STATION TO STATION | LENGTH | RADIUS |
|---|---|---|
| STA. 101+41.19, 5.98' LT. TO STA. 101+41.45, 2.00' LT. | 6.02' | 2' |
| STA. 102+00.17, 2.00' LT. TO STA. 102+00.17, 9.83' LT. | 12.13' | 3.92' |
| STA. 104+50.85, 6.86' LT. TO STA. 104+50.85, 2.00' LT. | 7.64' | 2.43' |
| STA. 106+08.26, 13.00' LT. TO STA. 106+08.26, 17.50' LT. | 7.08' | 2.25' |
| | 32.87' | |

## CURB TYPE 5 - ITEM # 609.34

| STATION TO STATION | LENGTH | RADIUS |
|---|---|---|
| STA. 101+41.45, 2.00' LT. TO STA. 101+62.53, 2.00' LT. | 21.08' | |
| STA. 101+62.53, 2.00' LT. TO STA. 101+81.56, 2.00' LT. | 18.95' | 498' |
| STA. 101+81.56, 2.00' LT. TO STA. 101+82.66, 9.71' LT. | 7.78' | |
| STA. 101+82.66, 9.71' LT. TO STA. 101+47.72, 6.84' LT. | 34.71' | 486' |
| STA. 101+47.72, 6.84' LT. TO STA. 101+41.19, 5.98' LT. | 6.59' | |
| STA. 101+87.62, 2.00' LT. TO STA. 102+00.17, 2.00' LT. | 12.55' | |
| STA. 102+00.17, 9.83' LT. TO STA. 101+88.73, 9.78' LT. | 11.15' | |
| STA. 101+88.73, 9.78' LT. TO STA. 101+87.62, 2.00' LT. | 7.86' | |
| STA. 104+50.85, 2.00' LT. TO STA. 104+59.17, 2.00' LT. | 8.28' | 348' |
| STA. 104+59.17, 2.00' LT. TO STA. 104+64.29, 2.00' LT. | 5.08' | 98' |
| STA. 104+64.29, 2.00' LT. TO STA. 104+63.21, 8.32' LT. | 6.32' | |
| STA. 104+63.21, 8.32' LT. TO STA. 104+50.85, 6.86' LT. | 12.18' | 276' |
| STA. 104+70.34, 2.45' LT. TO STA. 104+90.28, 5.53' LT. | 19.98' | 98' |
| STA. 104+90.28, 5.53' LT. TO STA. 105+21.75, 11.23' LT. | 31.23' | |
| STA. 105+21.75, 11.23' LT. TO STA. 105+30.36, 12.11' LT. | 8.38' | 202' |
| STA. 105+30.36, 12.11' LT. TO STA. 106+08.26, 13.00' LT. | 77.06' | |
| STA. 106+08.26, 17.50' LT. TO STA. 105+02.61, 13.64' LT. | 103.39' | |
| STA. 105+02.61, 13.64' LT. TO STA. 104+69.31, 9.08' LT. | 32.55' | 276' |
| STA. 104+69.31, 9.08' LT. TO STA. 104+70.34, 2.45' LT. | 6.71' | |
| | 431.83' | |

## PLAN

25 0 25 50
Scale of Feet

## CURB TYPE 1 - ITEM # 609.11

| STATION TO STATION | LENGTH |
|---|---|
| STA. 101+95.00, 44.08' LT. TO STA. 102+25.51, 46.83' LT. | 30.63' |
| STA. 103+06.26, 34.39' LT. TO STA. 103+05.86, 35.69' LT. | 1.36' |
| STA. 103+03.44, 43.20' LT. TO STA. 103+01.64, 48.56' LT. | 5.58' |
| STA. 102+99.29, 55.28' LT. TO STA. 102+96.90, 61.79' LT. | 6.01' |
| | 43.58' |

## CURB TYPE 1 - CIRCULAR - ITEM # 609.12

| STATION TO STATION | LENGTH | RADIUS |
|---|---|---|
| STA. 101+60.94, 16.00' RT. TO STA. 101+69.60, 17.19' RT. | 8.99' | 46' |
| STA. 101+76.01, 19.38' RT. TO STA. 101+80.89, 21.96' RT. | 5.71' | 46' |
| STA. 101+86.53, 25.98' RT. TO STA. 201+45.16, 16.00' RT. | 17.51' | 46' |
| STA. 201+45.16, 16.00' RT. TO STA. 201+58.95, 19.35' RT. | 14.34' | 30' |
| STA. 201+58.95, 19.35' RT. TO STA. 201+69.67, 22.29' RT. | 9.76' | 20' |
| STA. 200+41.05, 23.96' LT. TO STA. 102+56.16, 16.92' RT. | 17.43' | 20' |
| STA. 102+56.16, 16.92' RT. TO STA. 102+73.94, 14.08' RT. | 18.96' | 40' |
| STA. 102+73.94, 14.08' RT. TO STA. 102+79.01, 16.38' RT. | 5.86' | 10' |
| STA. 103+00.84, 28.00' LT. TO STA. 103+06.26, 34.39' LT. | 9.30' | 5' |
| | 107.86' | |

## TERMINAL CURB TYPE 1 - 7 FT. - CIRCULAR - ITEM # 609.2371

| STATION TO STATION | RADIUS | |
|---|---|---|
| STA. 101+69.60, 17.19' RT. TO STA. 101+76.01, 19.38' RT. | 46' | 1 |
| STA. 101+80.89, 21.96' RT. TO STA. 101+86.53, 25.98' RT. | 46' | 1 |
| STA. 102+84.47, 21.42' RT. TO STA. 102+91.24, 24.00' RT. | 10' | 1 |
| | | 3 |

## TERMINAL CURB TYPE 1 - 7 FT. - ITEM # 609.237

| STATION TO STATION | |
|---|---|
| STA. 101+78.43, 27.73' LT. TO STA. 101+85.72, 27.77' LT. | 1 |
| STA. 101+90.77, 27.79' LT. TO STA. 101+97.84, 27.82' LT. | 1 |
| STA. 200+54.73, 14.34' LT. TO STA. 200+49.01, 18.36' LT. | 1 |
| STA. 103+05.86, 35.69' LT. TO STA. 103+03.44, 43.20' LT. | 1 |
| STA. 103+01.64, 48.56' LT. TO STA. 102+99.29, 55.28' LT. | 1 |
| | 5 |

## LEGEND

- -REMOVE EXISTING PAVEMENT, BACKFILL & PLACE 4" LOAM AND SEED
- -REMOVE EXISTING PAVERS, BACKFILL & PLACE 4" LOAM AND SEED
- -PROPOSED PAVERS
- -FULL DEPTH CONSTRUCTION
- -FULL DEPTH PAVEMENT REPLACEMENT
- -SAWCUT LINE
- -PROPOSED PEDESTRIAN ACTUATED FLASHING SIGN
- -DETECTABLE WARNING FIELDS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | | BY | DATE |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | | |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
MAINE STREET

GENERAL CONSTRUCTION PLANS

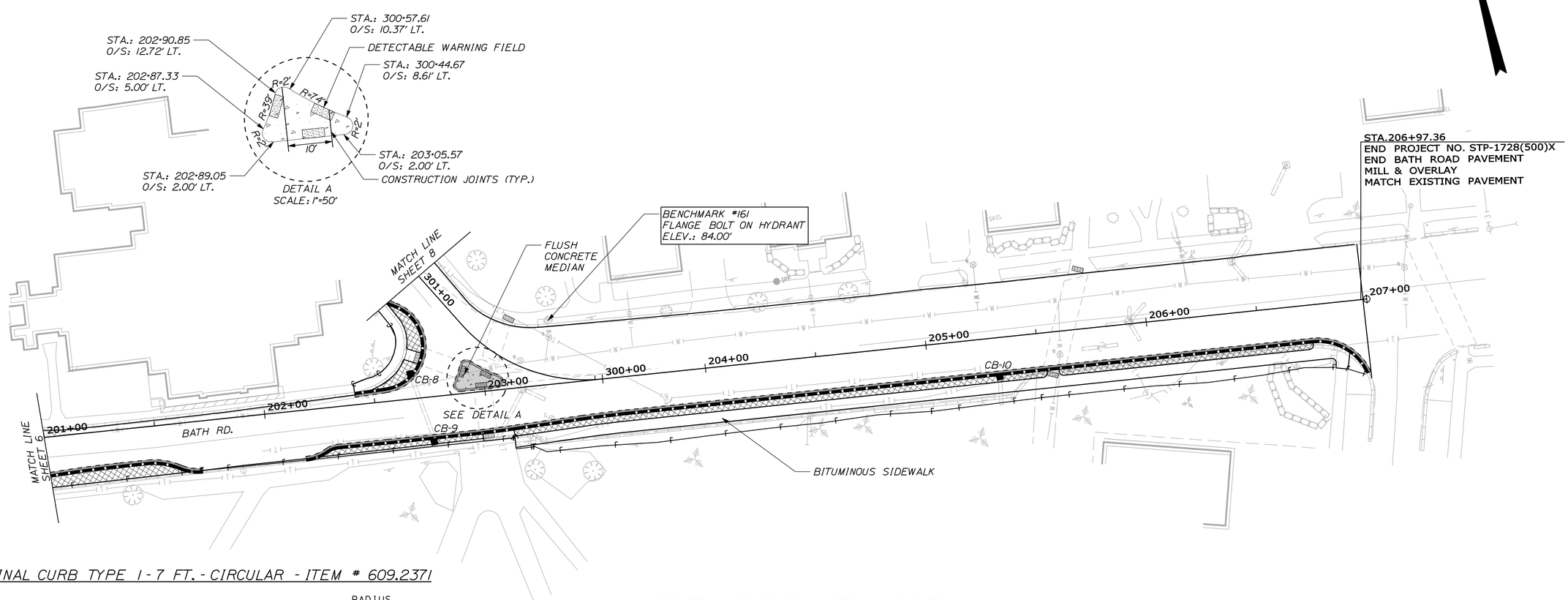
SHEET NUMBER
6
OF 37

Filename: ...\MSTA\09-13-10\006_HDPLAN.dgn Division: HIGHWAY Username: blyon Date:6/10/2011

## DRAINAGE STRUCTURE SCHEDULE

| STRUCTURE | LOCATION* | TYPE | RIM | INV. IN | INV. IN | INV. OUT | COMMENTS |
|---|---|---|---|---|---|---|---|
| CB-8 | STA. 202+67, 11.3' LT. | - | 82.04' | - | - | 75.27' (EX. 8") | REBUILD CB W/ FLAT TOP, OFFSET HOLE, & NEENAH CURB INLET R-3333-A |
| CB-9 | STA. 202+75, 20.2' RT. | - | 81.53' | 74.53' (EX. 8") | - | - | REBUILD CB W/ FLAT TOP, OFFSET HOLE, & NEENAH CURB INLET R-3333-A |
| CB-10 | STA. 205+32, 17.6' RT. | - | 80.74' | - | - | 73.47' (EX. 8") | REBUILD CB W/ FLAT TOP, OFFSET HOLE, & NEENAH CURB INLET R-3333-A |

* OFFSETS ARE TO THE CENTER OF THE STRUCTURE
** RIMS TO BE DEPRESSED 2"




## TERMINAL CURB TYPE 1-7 FT.-CIRCULAR - ITEM # 609.2371

| STATION TO STATION | RADIUS | |
|---|---|---|
| STA. 202+55.57, 4.95' LT. TO STA. 202+72.22, 15.03' LT. | 20' | 1 |
| STA. 202+74.13, 19.65' LT. TO STA. 202+74.77, 26.59' LT. | 20' | 1/2 |

## TERMINAL CURB TYPE 1-7 FT.-ITEM # 609.237

| STATION TO STATION | RADIUS | |
|---|---|---|
| STA. 202+89.97, 18.00' RT. TO STA. 202+96.96, 17.97' RT. | 500' | 1 |
| STA. 203+01.96, 17.90' RT. TO STA. 203+08.96, 17.69' RT. | 500' | 1 |
| STA. 205+46.90, 16.00' RT. TO STA. 205+53.90, 16.00' RT. | | 1 |
| STA. 205+59.20, 16.00' RT. TO STA. 205+66.20, 16.00' RT. | | 1/4 |

## LEGEND

- -REMOVE EXISTING PAVEMENT, BACKFILL & PLACE 4" LOAM AND SEED
- -REMOVE EXISTING PAVERS, BACKFILL & PLACE 4" LOAM AND SEED
- -PROPOSED PAVERS
- -FULL DEPTH CONSTRUCTION
- -FULL DEPTH PAVEMENT REPLACEMENT
- -SAWCUT LINE
- -PROPOSED PEDESTRIAN ACTUATED FLASHING SIGN
- -DETECTABLE WARNING FIELDS

## RESET CURB TYPE 1-ITEM # 609.38

REMOVE

| STATION TO STATION |
|---|
| STA. 202+97.10, 21.09' RT. TO STA. 206+97.61, 33.00' RT. |
| STA. 202+41.39, 4.44' LT. TO STA. 202+56.89, 48.47' LT. |

RESET

| STATION TO STATION | LENGTH | RADIUS |
|---|---|---|
| STA. 203+08.96, 17.69' RT. TO STA. 203+11.95, 17.60' RT. | 3.00' | 500' |
| STA. 203+11.95, 17.60' RT. TO STA. 203+41.98, 16.40' RT. | 30.05' | |
| STA. 203+41.98, 16.40' RT. TO STA. 203+61.96, 16.00' RT. | 20.00' | 500' |
| STA. 203+61.96, 16.00' RT. TO STA. 205+46.90, 16.00' RT. | 184.94' | |
| STA. 205+53.90, 16.00' RT. TO STA. 205+59.20, 16.00' RT. | 5.30' | |
| STA. 205+66.20, 16.00' RT. TO STA. 206+73.93, 16.00' RT. | 107.73' | |
| | 351.02' | |

## CURB TYPE 1-ITEM # 609.11

| STATION TO STATION | LENGTH | RADIUS |
|---|---|---|
| STA. 202+31.32, 17.85' RT. TO STA. 202+53.75, 18.00' RT. | 22.31' | |
| STA. 202+53.75, 18.00' RT. TO STA. 202+89.97, 18.00' RT. | 36.15' | |
| STA. 202+96.96, 17.97' RT. TO STA. 203+01.96, 17.90' RT. | 5.00' | 500' |
| STA. 202+41.39, 4.44' LT. TO STA. 202+55.57, 4.95' LT. | 14.19' | |
| | 77.65' | |

## CURB TYPE 1-CIRCULAR - ITEM # 609.12

| STATION TO STATION | LENGTH | RADIUS |
|---|---|---|
| STA. 202+16.58, 21.83' RT. TO STA. 202+25.62, 19.57' RT. | 9.40' | 20' |
| STA. 202+25.62, 19.57' RT. TO STA. 202+31.32, 17.85' RT. | 6.15' | 10' |
| STA. 206+73.93, 16.00' RT. TO STA. 206+97.61, 33.00' RT. | 31.10' | 25' |
| STA. 202+55.57, 4.95' LT. TO STA. 202+67.77, 9.68' LT. | 13.33' | 20' |
| STA. 202+72.22, 15.03' LT. TO STA. 202+74.13, 19.65' LT. | 5.00' | 20' |
| STA. 202+74.77, 26.59' LT. TO STA. 202+63.15, 43.13' LT. | 21.20' | 20' |
| STA. 202+63.15, 43.13' LT. TO STA. 202+56.89, 48.47' LT. | 8.34' | 15' |
| | 94.52' | |

## PLAN

25 0 25 50
Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | | BY | DATE |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | | |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
BATH ROAD

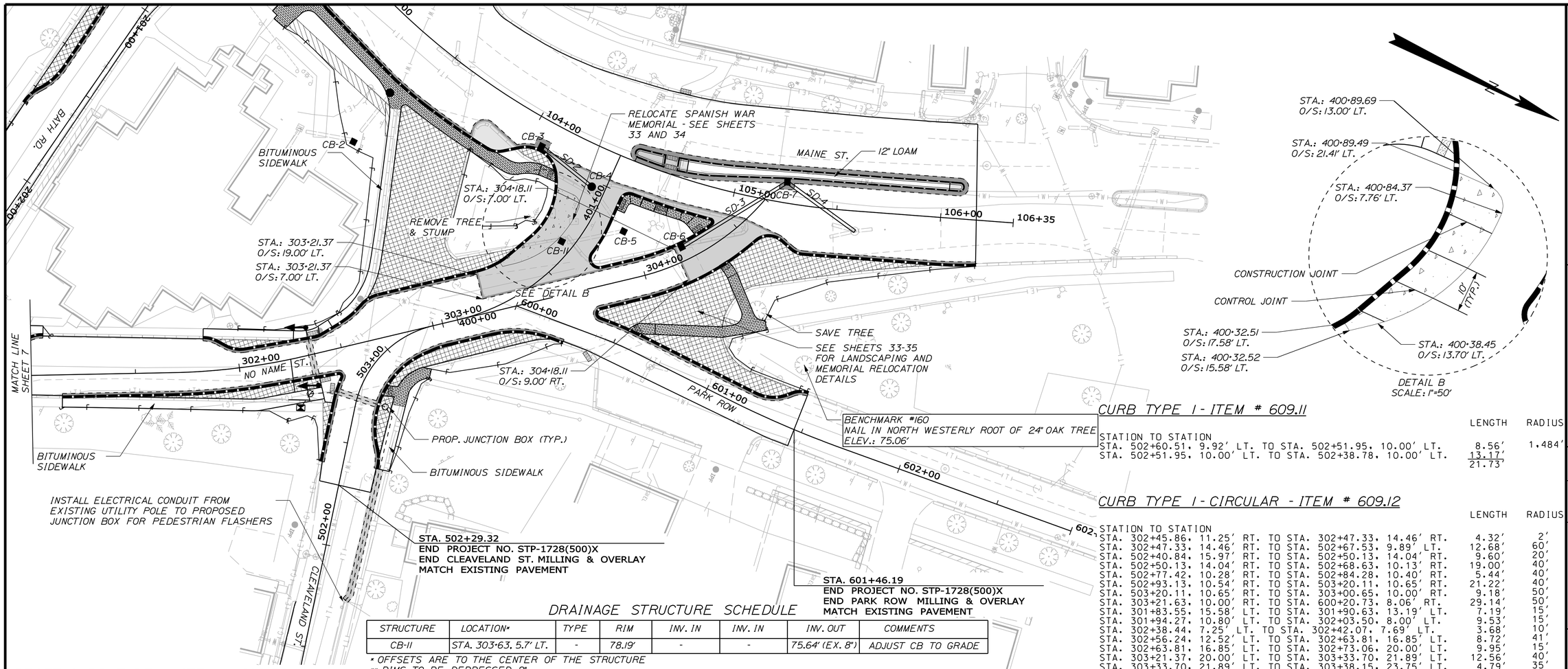
GENERAL CONSTRUCTION PLANS

SHEET NUMBER

7

OF 37

Filename: ...\MSTA\09-13-10\007_HDPLAN.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




## CURB TYPE 1 - ITEM # 609.11

| STATION TO STATION | LENGTH | RADIUS |
|---|---|---|
| STA. 502+60.51, 9.92' LT. TO STA. 502+51.95, 10.00' LT. | 8.56' | 1.484' |
| STA. 502+51.95, 10.00' LT. TO STA. 502+38.78, 10.00' LT. | 13.17' | |
| | 21.73' | |

## CURB TYPE 1 - CIRCULAR - ITEM # 609.12

| STATION TO STATION | LENGTH | RADIUS |
|---|---|---|
| STA. 302+45.86, 11.25' RT. TO STA. 302+47.33, 14.46' RT. | 4.32' | 2' |
| STA. 302+47.33, 14.46' RT. TO STA. 502+67.53, 9.89' LT. | 12.68' | 60' |
| STA. 502+40.84, 15.97' RT. TO STA. 502+50.13, 14.04' RT. | 9.60' | 20' |
| STA. 502+50.13, 14.04' RT. TO STA. 502+68.63, 10.13' RT. | 19.00' | 40' |
| STA. 502+77.42, 10.28' RT. TO STA. 502+84.28, 10.40' RT. | 5.44' | 40' |
| STA. 502+93.13, 10.54' RT. TO STA. 503+20.11, 10.65' RT. | 21.22' | 40' |
| STA. 503+20.11, 10.65' RT. TO STA. 303+00.65, 10.00' RT. | 9.18' | 50' |
| STA. 303+21.63, 10.00' RT. TO STA. 600+20.73, 8.06' RT. | 29.14' | 50' |
| STA. 301+83.55, 15.58' LT. TO STA. 301+90.63, 13.19' LT. | 7.19' | 15' |
| STA. 301+94.27, 10.80' LT. TO STA. 302+03.50, 8.00' LT. | 9.53' | 15' |
| STA. 302+38.44, 7.25' LT. TO STA. 302+42.07, 7.69' LT. | 3.68' | 10' |
| STA. 302+56.24, 12.52' LT. TO STA. 302+63.81, 16.85' LT. | 8.72' | 41' |
| STA. 302+63.81, 16.85' LT. TO STA. 302+73.06, 20.00' LT. | 9.95' | 15' |
| STA. 303+21.37, 20.00' LT. TO STA. 303+33.70, 21.89' LT. | 12.56' | 40' |
| STA. 303+33.70, 21.89' LT. TO STA. 303+38.15, 23.75' LT. | 4.79' | 35' |
| STA. 400+56.10, 17.72' LT. TO STA. 400+83.69, 19.85' LT. | 22.83' | 35' |
| STA. 400+91.93, 22.20' LT. TO STA. 400+96.93, 24.85' LT. | 5.67' | 35' |
| STA. 104+13.42, 15.40' RT. TO STA. 103+98.29, 17.64' RT. | 16.87' | 15' |
| STA. 103+92.35, 23.31' RT. TO STA. 103+85.89, 26.00' RT. | 7.60' | 10' |
| STA. 105+37.02, 22.53' RT. TO STA. 105+31.18, 20.84' RT. | 6.54' | 10' |
| STA. 105+26.48, 17.62' RT. TO STA. 304+52.91, 10.00' RT. | 14.40' | 10' |
| STA. 303+75.50, 10.00' RT. TO STA. 600+39.67, 8.00' LT. | 7.65' | 3' |
| STA. 601+21.98, 7.88' LT. TO STA. 601+37.38, 13.93' LT. | 16.72' | 20' |
| STA. 601+37.38, 13.93' LT. TO STA. 601+45.79, 18.31' LT. | 9.52' | 10' |
| STA. 400+84.13, 8.30' RT. TO STA. 400+69.98, 8.59' RT. | 15.38' | 61' |
| STA. 400+69.98, 8.59' RT. TO STA. 303+80.43, 8.00' LT. | 12.39' | 5' |
| STA. 304+41.17, 8.00' LT. TO STA. 104+92.33, 14.50' RT. | 4.53' | 2' |
| | 307.10' | |

## TERMINAL CURB TYPE 1 - 7 FT. - CIRCULAR - ITEM # 609.2371

| STATION TO STATION | RADIUS | |
|---|---|---|
| STA. 502+68.63, 10.13' RT. TO STA. 502+77.42, 10.28' RT. | 40' | 1 |
| STA. 502+84.28, 10.40' RT. TO STA. 502+93.13, 10.54' RT. | 40' | 1 |
| STA. 400+83.69, 19.85' LT. TO STA. 400+91.93, 22.20' LT. | 35' | 1 |
| STA. 400+96.93, 24.85' LT. TO STA. 104+13.42, 15.40' RT. | 15' | 1 |
| STA. 104+54.40, 14.50' RT. TO STA. 400+97.46, 8.00' RT. | 5' | 1/5 |

## TERMINAL CURB TYPE 1 - 7 FT. - ITEM # 609.237

| STATION TO STATION | RADIUS | |
|---|---|---|
| STA. 302+29.63, 10.24' RT. TO STA. 302+36.51, 10.66' RT. | 500' | 1 |
| STA. 502+67.53, 9.89' RT. TO STA. 502+60.51, 9.92' LT. | 1,484' | 1 |
| STA. 304+44.21, 10.00' RT. TO STA. 304+37.78, 10.00' RT. | 125' | 1 |
| STA. 304+33.16, 10.00' RT. TO STA. 304+26.72, 10.00' RT. | 125' | 1 |
| STA. 600+46.66, 8.00' LT. TO STA. 600+53.66, 8.00' LT. | 152' | 1 |
| STA. 600+60.05, 8.00' LT. TO STA. 600+67.05, 8.00' LT. | | 1 |
| STA. 400+91.93, 8.00' RT. TO STA. 400+85.43, 8.20' RT. | | 1 |
| STA. 304+23.46, 8.00' LT. TO STA. 304+30.46, 8.00' RT. | 107' | 1 |
| STA. 103+29.40, 25.13' RT. TO STA. 103+35.93, 25.63' RT. | 200' | 1 |
| STA. 104+92.33, 14.50' RT. TO STA. 104+85.61, 14.50' RT. | 364.5' | 1 |
| STA. 104+78.82, 14.50' RT. TO STA. 104+71.82, 14.50' RT. | 364.5' | 1 |
| STA. 104+66.33, 14.50' RT. TO STA. 104+59.33, 14.50' RT. | 364.5' | 1/12 |

## DRAINAGE STRUCTURE SCHEDULE

| STRUCTURE | LOCATION* | TYPE | RIM | INV. IN | INV. IN | INV. OUT | COMMENTS |
|---|---|---|---|---|---|---|---|
| CB-11 | STA. 303+63, 5.7' LT. | - | 78.19' | - | - | 75.64' (EX. 8") | ADJUST CB TO GRADE |

* OFFSETS ARE TO THE CENTER OF THE STRUCTURE
** RIMS TO BE DEPRESSED 2"

## RESET CURB TYPE 1 - ITEM # 609.38

REMOVE
STATION TO STATION
STA. 301+14.71, 10.00' RT. TO STA. 302+35.52, 22.72' RT.

STA. 502+80.94, 16.43' RT. TO STA. 600+27.11, 8.00' RT.

STA. 301+83.55, 15.58' LT. TO STA. 103+42.90, 35.19' RT.

STA. 103+76.03, 22.88' RT. TO STA. 303+10.06, 38.25' LT.
STA. 303+10.06, 38.25' LT. TO STA. 304+54.36, 1.47' LT.
STA. 304+54.36, 1.47' LT. TO STA. 103+76.03, 22.88' RT.
STA. 106+17.21, 20.94' RT. TO STA. 601+45.79, 18.31' LT.

| RESET STATION TO STATION | LENGTH | RADIUS |
|---|---|---|
| STA. 301+14.71, 10.00' RT. TO STA. 301+66.62, 10.00' RT. | 51.91' | |
| STA. 301+66.62, 10.00' RT. TO STA. 302+12.70, 9.82' RT. | 47.54' | 316' |
| STA. 302+12.70, 9.82' RT. TO STA. 302+29.63, 10.24' RT. | 14.81' | |
| STA. 302+36.51, 10.66' RT. TO STA. 302+45.86, 11.25' RT. | 9.37' | |
| STA. 303+00.65, 10.00' RT. TO STA. 303+21.63, 10.00' RT. | 20.98' | |
| STA. 600+20.73, 8.06' RT. TO STA. 600+27.11, 8.00' RT. | 6.37' | |
| STA. 301+90.63, 13.19' RT. TO STA. 301+94.27, 10.80' LT. | 4.24' | |
| STA. 302+03.50, 8.00' LT. TO STA. 302+38.44, 7.25' LT. | 34.19' | |
| STA. 302+42.07, 7.69' LT. TO STA. 302+56.24, 12.52' LT. | 15.00' | |
| STA. 302+73.06, 20.00' LT. TO STA. 303+21.37, 20.00' LT. | 51.69' | |
| STA. 303+38.15, 23.75' LT. TO STA. 400+56.10, 17.72' LT. | 14.60' | |
| STA. 103+98.29, 17.64' RT. TO STA. 103+92.35, 23.31' RT. | 8.47' | |
| STA. 103+85.89, 26.00' RT. TO STA. 103+52.66, 26.00' RT. | 33.23' | 376' |
| STA. 102+91.24, 24.00' RT. TO STA. 103+29.40, 25.13' RT. | 40.84' | |
| STA. 103+35.93, 25.63' RT. TO STA. 103+52.66, 26.00' RT. | 17.97' | 200' |
| STA. 106+17.21, 20.94' RT. TO STA. 105+97.51, 22.00' RT. | 20.98' | 200' |
| STA. 105+97.51, 22.00' RT. TO STA. 105+37.02, 22.53' RT. | 61.69' | |
| STA. 105+31.18, 20.84' RT. TO STA. 105+26.48, 17.62' RT. | 5.91' | |
| STA. 304+52.91, 10.00' RT. TO STA. 304+44.21, 10.00' RT. | 8.71' | 125' |
| STA. 304+37.78, 10.00' RT. TO STA. 304+33.16, 10.00' RT. | 4.62' | 125' |
| STA. 304+26.72, 10.00' RT. TO STA. 303+96.58, 10.00' RT. | 30.14' | 125' |
| STA. 303+96.58, 10.00' RT. TO STA. 303+75.50, 10.00' RT. | 21.08' | |
| STA. 600+39.67, 8.00' LT. TO STA. 600+44.76, 8.00' LT. | 5.09' | |
| STA. 600+44.76, 8.00' LT. TO STA. 600+46.66, 8.00' LT. | 1.90' | 152' |
| STA. 600+53.66, 8.00' LT. TO STA. 600+60.05, 8.00' LT. | 6.39' | 152' |
| STA. 600+67.05, 8.00' LT. TO STA. 601+21.98 7.88' LT. | 54.76' | |
| STA. 400+85.43, 8.20' RT. TO STA. 400+84.13 8.30' RT. | 1.40' | |
| STA. 303+80.43, 8.00' LT. TO STA. 303+96.59 8.00' LT. | 16.16' | |
| STA. 303+96.59, 8.00' LT. TO STA. 304+23.46, 8.00' LT. | 26.87' | 107' |
| STA. 304+30.46, 8.00' LT. TO STA. 304+41.17, 8.00' LT. | 10.71' | 107' |
| STA. 104+92.33, 14.50' RT. TO STA. 304+41.17, 8.00' LT. | 4.53' | 2' |
| STA. 104+85.61, 14.50' RT. TO STA. 104+78.82, 14.50' RT. | 6.79' | 364.5' |
| STA. 104+71.82, 14.50' RT. TO STA. 104+66.33, 14.50' RT. | 5.49' | 364.5' |
| STA. 104+59.33, 14.50' RT. TO STA. 104+54.40, 14.50' RT. | 4.93' | 364.5' |
| STA. 400+97.46, 8.00' RT. TO STA. 400+91.93, 8.00' RT. | 5.53' | 364.5' |
| | 674.89' | |

## LEGEND

- -REMOVE EXISTING PAVEMENT, BACKFILL & PLACE 4" LOAM AND SEED
- -REMOVE EXISTING PAVERS, BACKFILL & PLACE 4" LOAM AND SEED
- -PROPOSED PAVERS
- -FULL DEPTH CONSTRUCTION
- -FULL DEPTH PAVEMENT REPLACEMENT
- -SAWCUT LINE
- -PROPOSED PEDESTRIAN ACTUATED FLASHING SIGN
- -DETECTABLE WARNING FIELDS

## PLAN

25 0 25 50
Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | SIGNATURE | DATE |
|---|---|---|
| P.E. NUMBER | | |

| | BY | DATE |
|---|---|---|
| DESIGN-DETAILED | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | |
| DESIGN3-DETAILED3 | | |
| REVISIONS 1 | | |
| REVISIONS 2 | | |
| REVISIONS 3 | | |
| REVISIONS 4 | | |
| FIELD CHANGES | | |

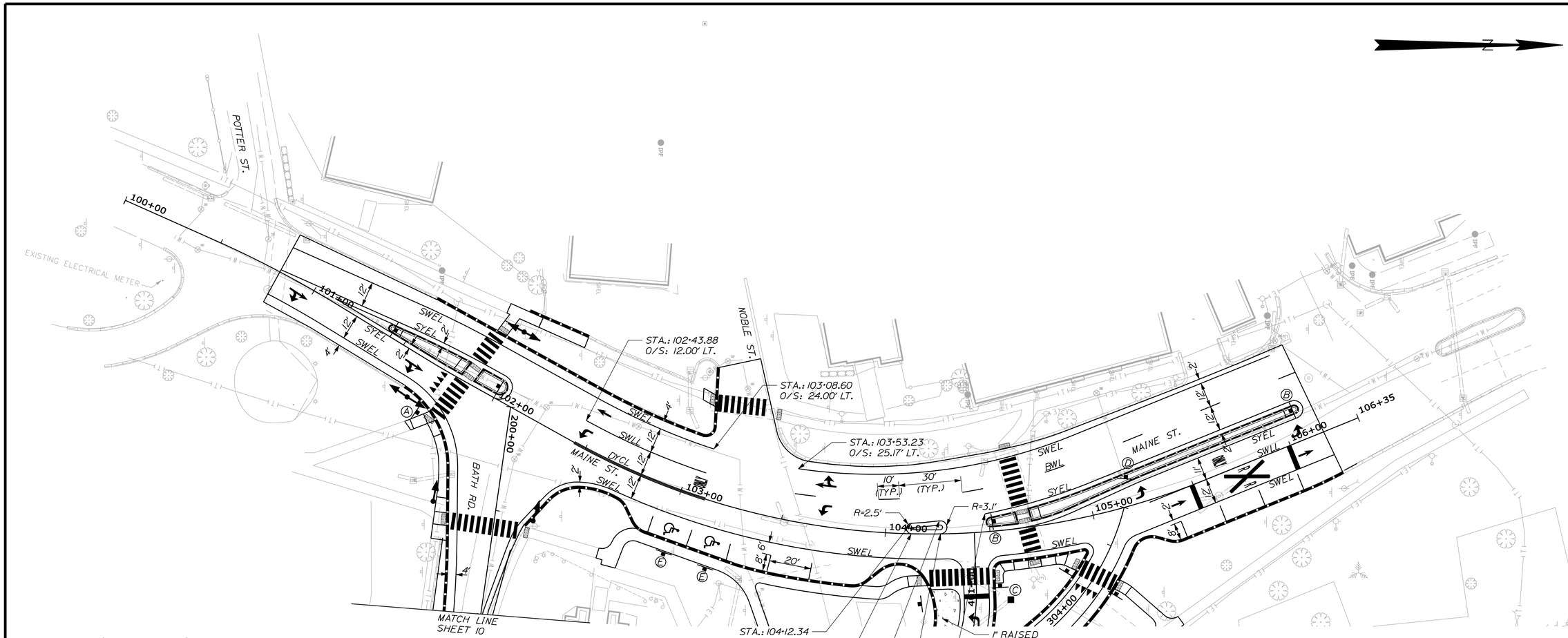
PROJ. MANAGER: J. MANSIR

BRUNSWICK
NO NAME ST.

GENERAL CONSTRUCTION PLANS

SHEET NUMBER
8
OF 37

Filename: ...\MSTA\09-13-10\008_HDPLAN.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




## PAVEMENT MARKING NOTES

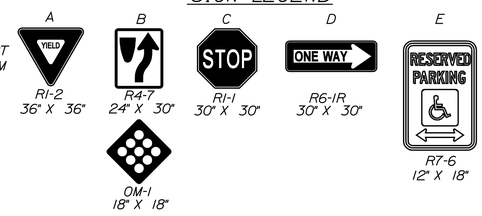
1. ALL PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. U.S. DOT. FHWA. 2003 EDITION.

2. ALL PAVEMENT MARKING LINES SHALL BE PAINT AND 4" WIDE EXCEPT FOR:
   SOLID WHITE STOP LINES - 24"
   CROSSWALK BARS - 18"
   (PAYMENT AS ITEM 627.75)

3. THE CONTRACTOR SHALL REMOVE ALL EXISTING MARKINGS THAT CONFLICT WITH THE PROPOSED MARKINGS ON THIS PLAN.

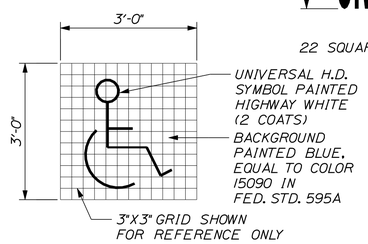
4. THE CONTRACTOR SHALL REMOVE ALL EXISTING SIGNS THAT CONFLICT WITH THE NEW TRAFFIC PATTERN. PAYMENT TO BE MADE UNDER ITEM 645.106.

## SIGN LEGEND

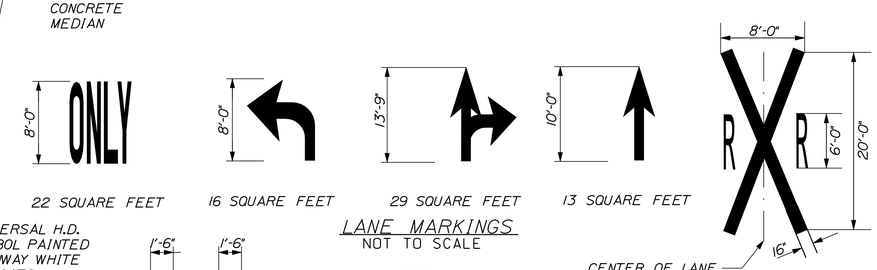



## LEGEND

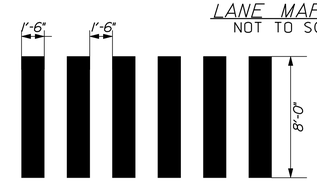
| | |
|---|---|
| DYCL | DOUBLE YELLOW CENTERLINE |
| SWSL | SOLID WHITE STOP LINE |
| SWLL | SINGLE WHITE LANE LINE |
| SYEL | SOLID YELLOW EDGE LINE |
| SWEL | SOLID WHITE EDGE LINE |
| BWL | BROKEN WHITE LINE |
| | PROPOSED PEDESTRIAN ACTUATED FLASHING SIGN |
| | DETECTABLE WARNING FIELDS |



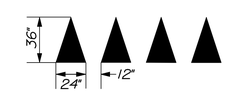

HANDICAP PARKING DETAIL




LANE MARKINGS
NOT TO SCALE




CROSSWALK DETAIL
NOT TO SCALE




YIELD MARKING DETAIL
NOT TO SCALE

PLAN

25 0 25 50
Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

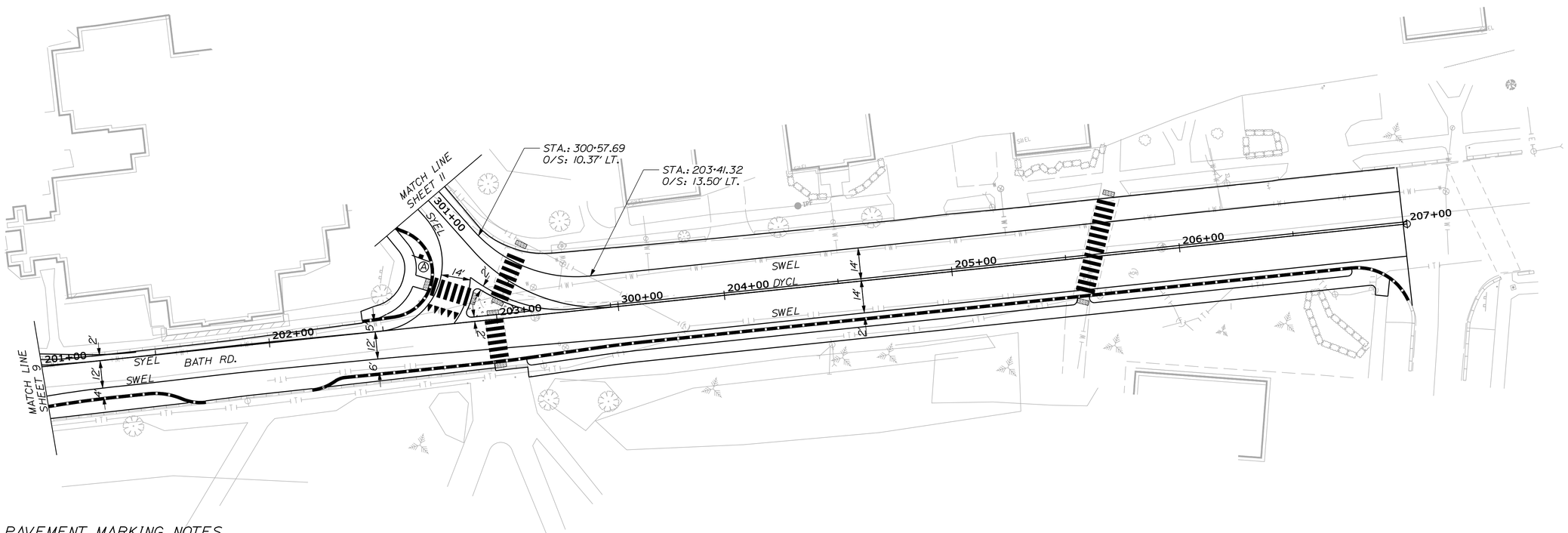
DATE

BRUNSWICK
MAINE STREET

PAVEMENT MARKING & SIGNAGE

SHEET NUMBER
9
OF 37

Filename: ...\MSTA\09-13-10\009_PMPLAN.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




## PAVEMENT MARKING NOTES

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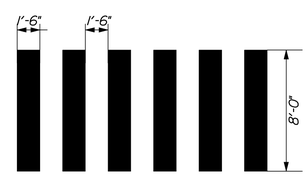
## LEGEND

| | |
|---|---|
| DYCL | DOUBLE YELLOW CENTERLINE |
| SWSL | SOLID WHITE STOP LINE |
| SWLL | SINGLE WHITE LANE LINE |
| SYEL | SOLID YELLOW EDGE LINE |
| SWEL | SOLID WHITE EDGE LINE |
| BWL | BROKEN WHITE LINE |
| | PROPOSED PEDESTRIAN ACTUATED FLASHING SIGN |
| | DETECTABLE WARNING FIELDS |

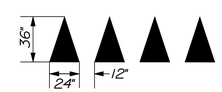
## SIGN LEGEND

A

R1-2
36" X 36"




CROSSWALK DETAIL
NOT TO SCALE




YIELD MARKING DETAIL
NOT TO SCALE

## PLAN

25 0 25 50
Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

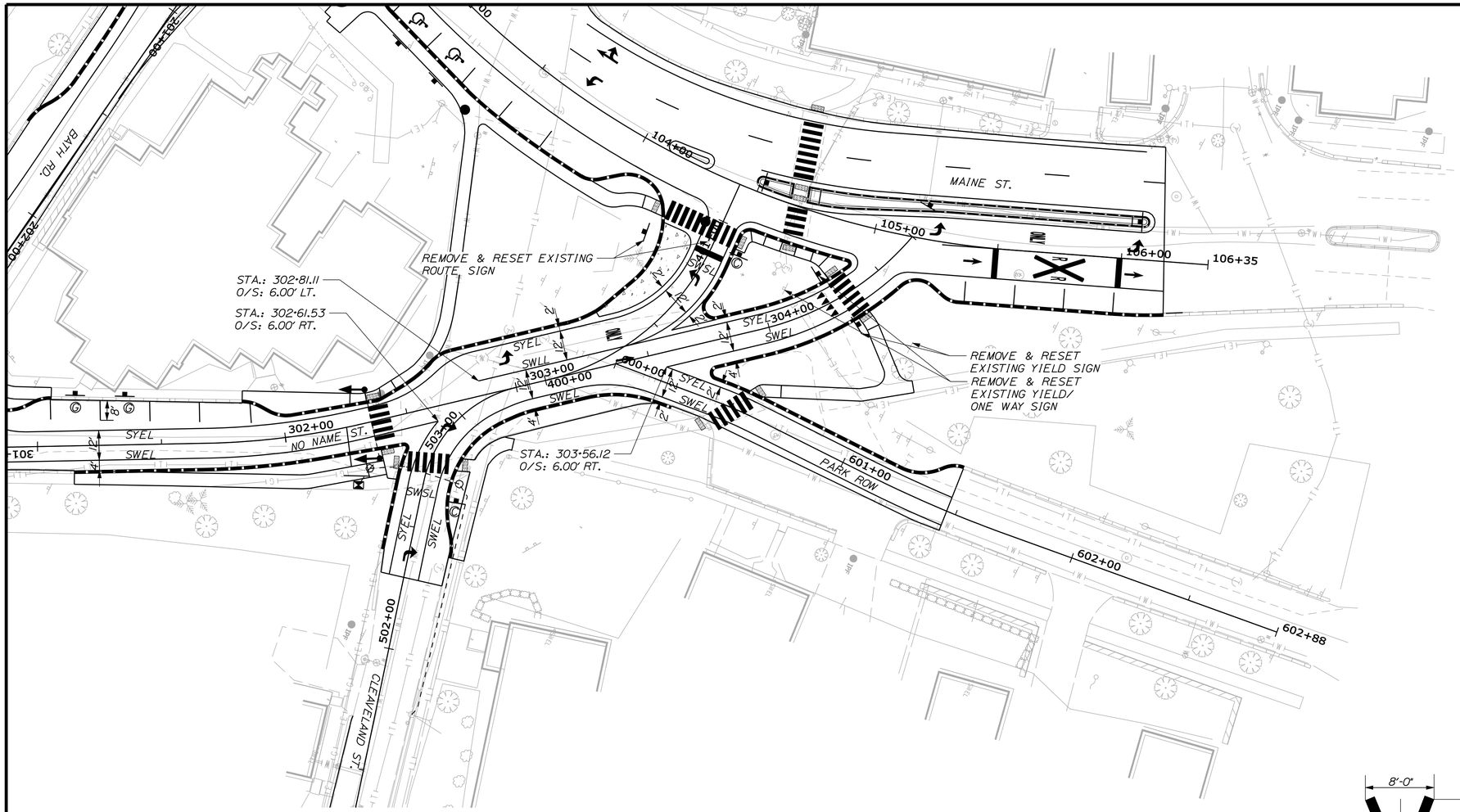
DATE

BRUNSWICK
BATH ROAD

PAVEMENT MARKING & SIGNAGE

SHEET NUMBER
10
OF 37

Filename: ...\MSTA\09-13-10\010_PMPLAN.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




## PAVEMENT MARKING NOTES

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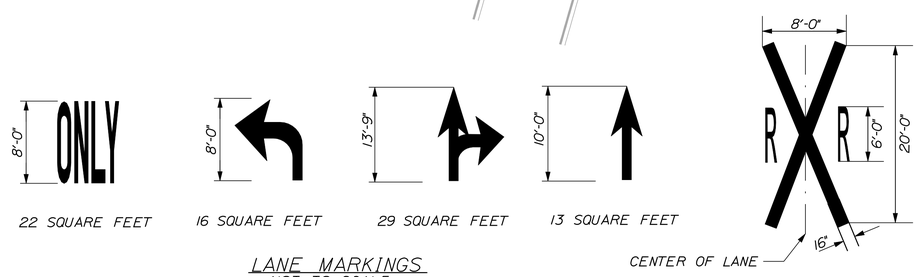
## SIGN LEGEND

C — STOP — R1-1 30" X 30"

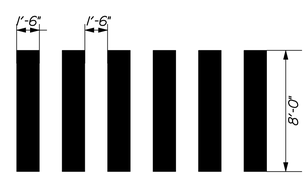
G — NO PARKING LOADING ZONE — R7-8 12" X 18"

## LEGEND

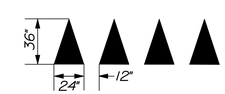
| | |
|---|---|
| DYCL | DOUBLE YELLOW CENTERLINE |
| SWSL | SOLID WHITE STOP LINE |
| SWLL | SINGLE WHITE LANE LINE |
| SYEL | SOLID YELLOW EDGE LINE |
| SWEL | SOLID WHITE EDGE LINE |
| BWL | BROKEN WHITE LINE |
| | PROPOSED PEDESTRIAN ACTUATED FLASHING SIGN |
| | DETECTABLE WARNING FIELDS |




LANE MARKINGS
NOT TO SCALE




CROSSWALK DETAIL
NOT TO SCALE




YIELD MARKING DETAIL
NOT TO SCALE

PLAN

25 0 25 50
Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| PROJ. MANAGER | J. MANSIR | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

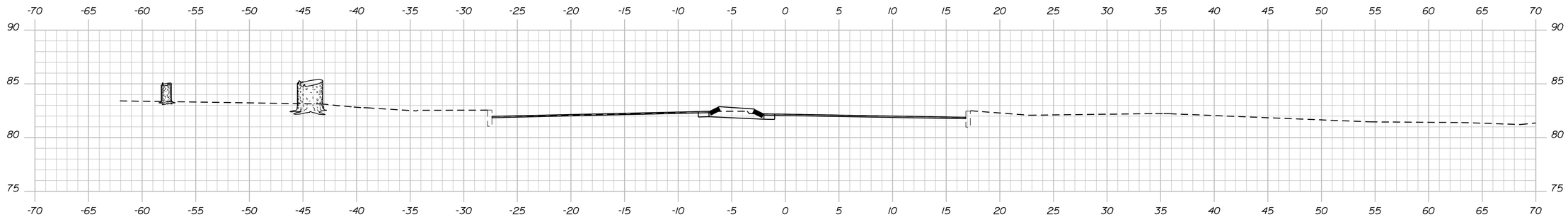
DATE

BRUNSWICK
NO NAME ST.

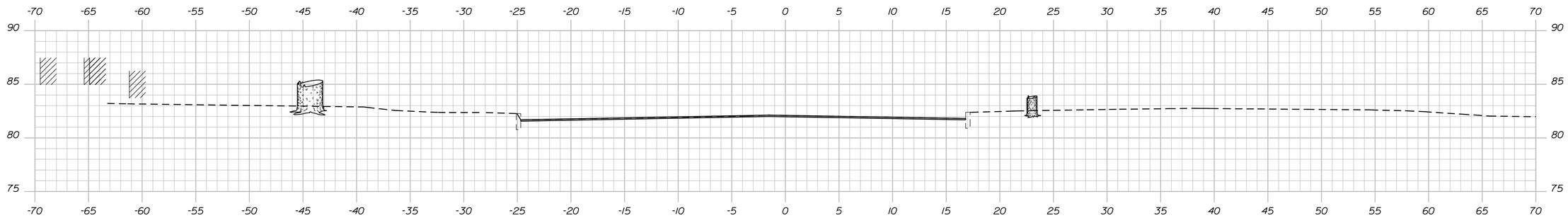
PAVEMENT MARKING & SIGNAGE

SHEET NUMBER
11
OF 37

Filename: ...\MSTA\09-13-10\011_PMPLAN.dgn Division: HIGHWAY Username: blyon Date:6/10/2011



101+50.00



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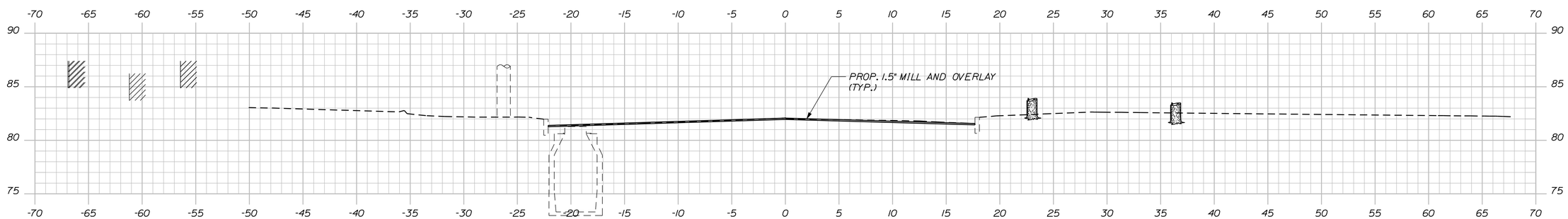



101+00.00

BEGIN MAINE STREET CONSTRUCTION
STA. 100+32

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
MAINE STREET

CROSS SECTIONS

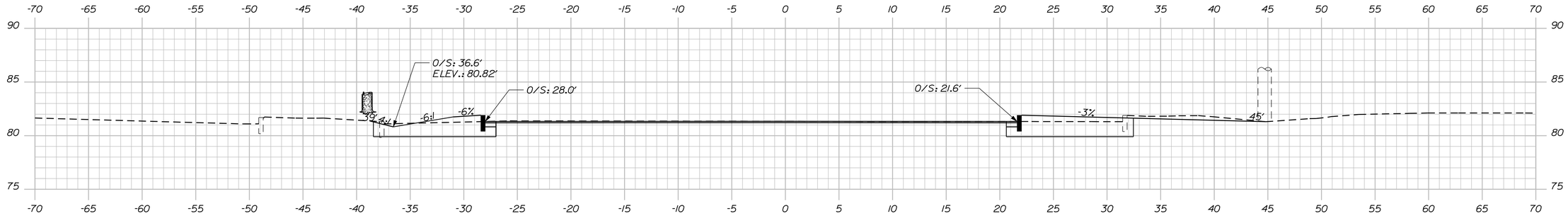
SHEET NUMBER

12

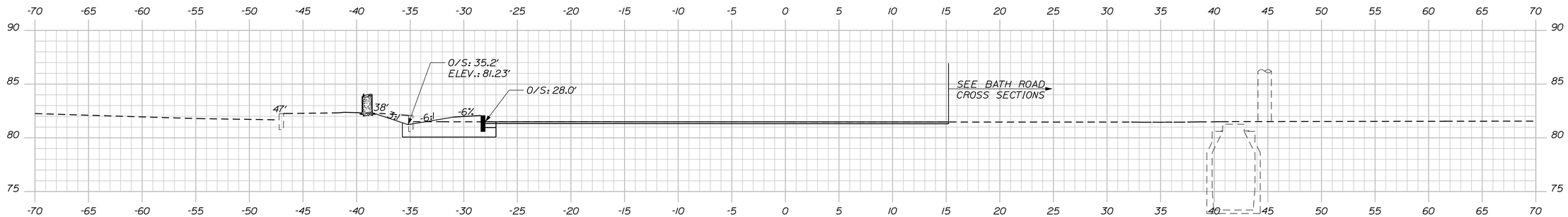
OF 37

Sta. 100+75.00 to Sta. 101+50.00

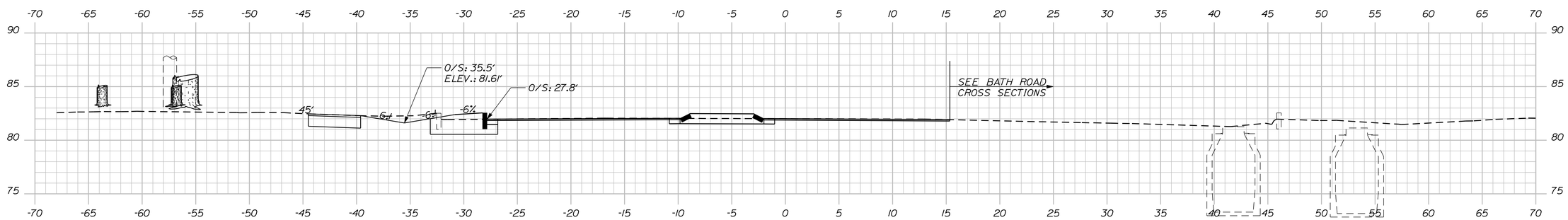
Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011



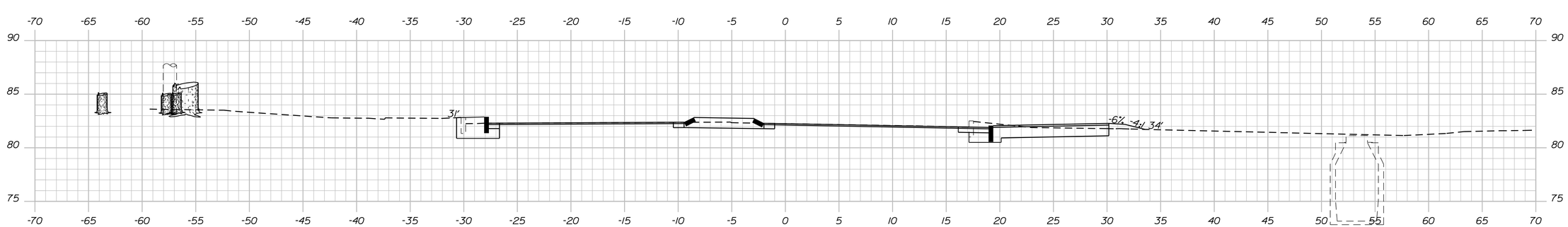

102+50.00




102+25.00




102+00.00




101+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

| PROJ. MANAGER | J. MANSIR | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

BRUNSWICK
MAINE STREET

CROSS SECTIONS

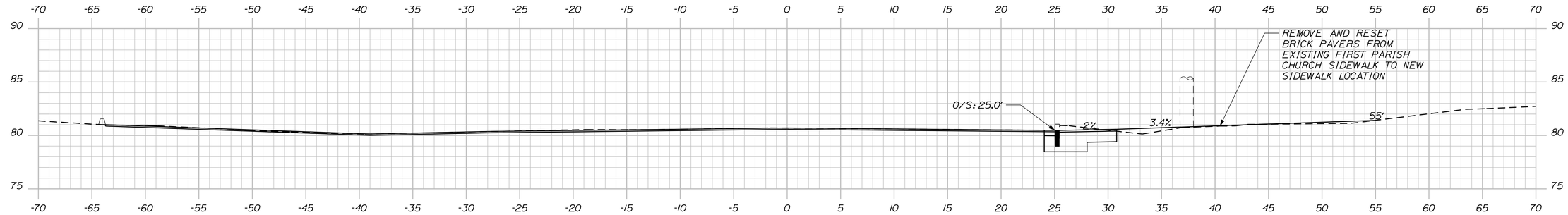
SHEET NUMBER

13

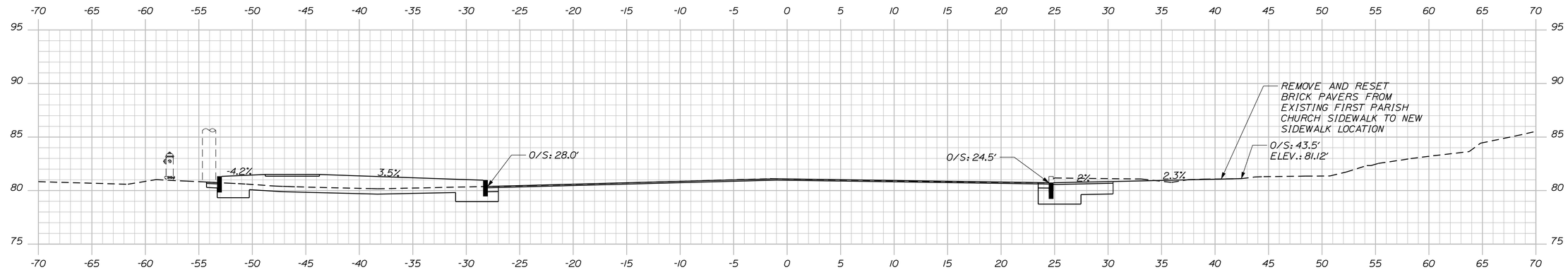
OF 37

Sta. 101+75.00 to Sta. 102+50.00

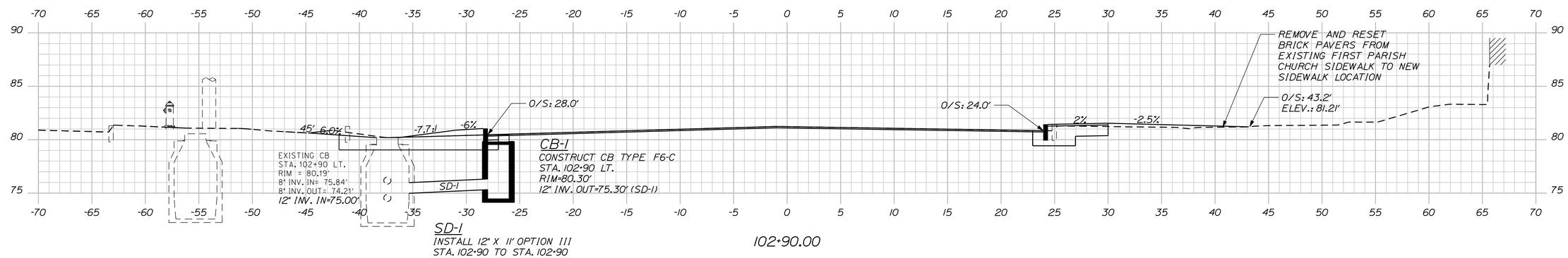
Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




103+25.00




103+00.00

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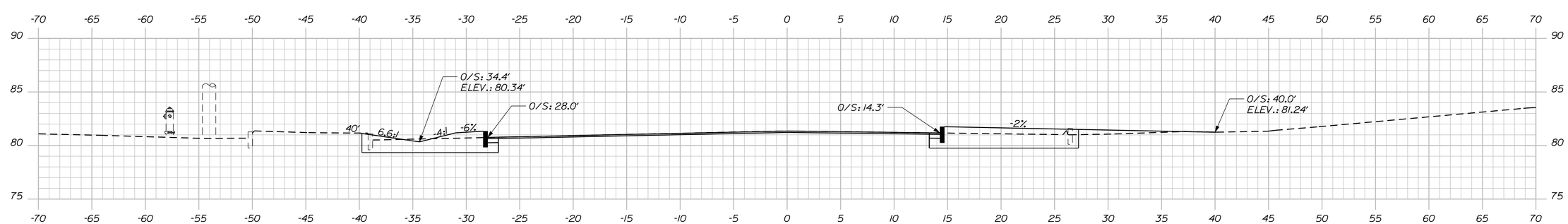



102+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
MAINE STREET

CROSS SECTIONS

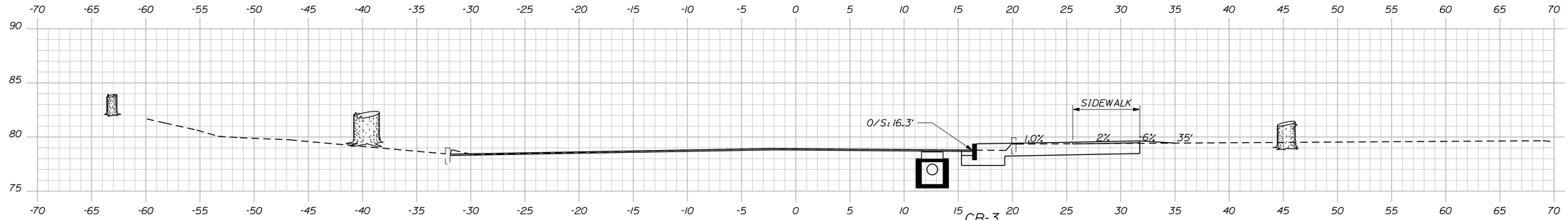
SHEET NUMBER

14

OF 37

Sta. 102+75.00 to Sta. 103+25.00

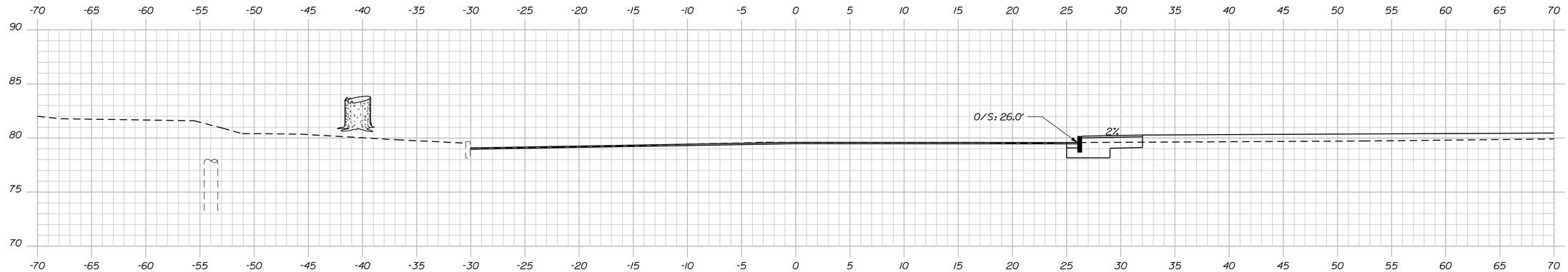
Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011



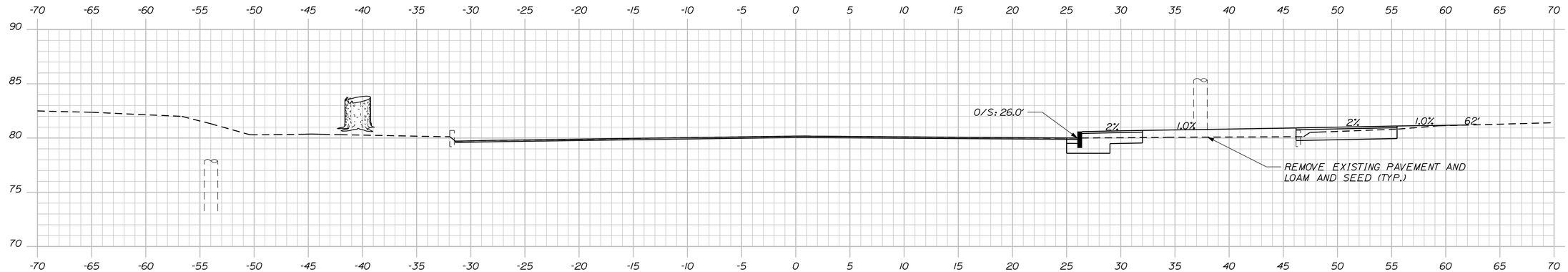

104+00.00

**CB-3**
CONSTRUCT CB TYPE F3-C
STA. 104+07 RT.
RIM=78.50'
12" INV. OUT=76.50' (SD-2)

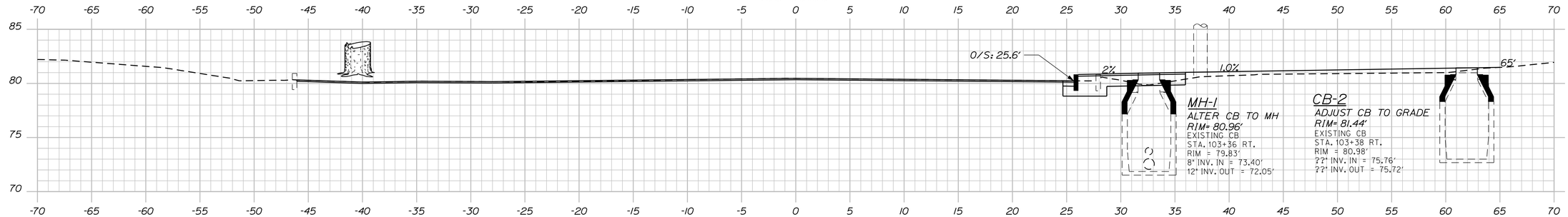
**SD-2**
INSTALL 12" X 27' OPTION III
STA. 104+07 TO STA. 104+36




103+75.00




103+50.00




**MH-1**
ALTER CB TO MH
RIM= 80.96'
EXISTING CB
STA. 103+36 RT.
RIM = 79.83'
8" INV. IN = 73.40'
12" INV. OUT = 72.05'

**CB-2**
ADJUST CB TO GRADE
RIM= 81.44'
EXISTING CB
STA. 103+38 RT.
RIM = 80.98'
22" INV. IN = 75.76'
22" INV. OUT = 75.72'

103+36.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

| | BY | DATE |
|---|---|---|
| PROJ. MANAGER | J. MANSIR | |
| DESIGN-DETAILED | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | |
| DESIGN3-DETAILED3 | | |
| REVISIONS 1 | | |
| REVISIONS 2 | | |
| REVISIONS 3 | | |
| REVISIONS 4 | | |
| FIELD CHANGES | | |

SIGNATURE

P.E. NUMBER

DATE

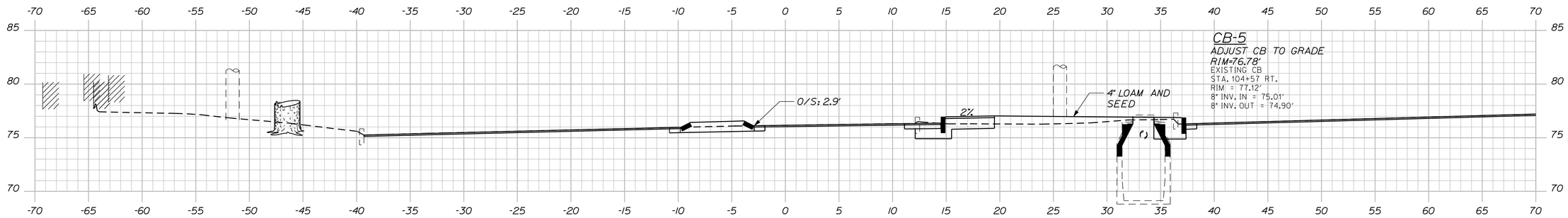
BRUNSWICK
MAINE STREET

CROSS SECTIONS

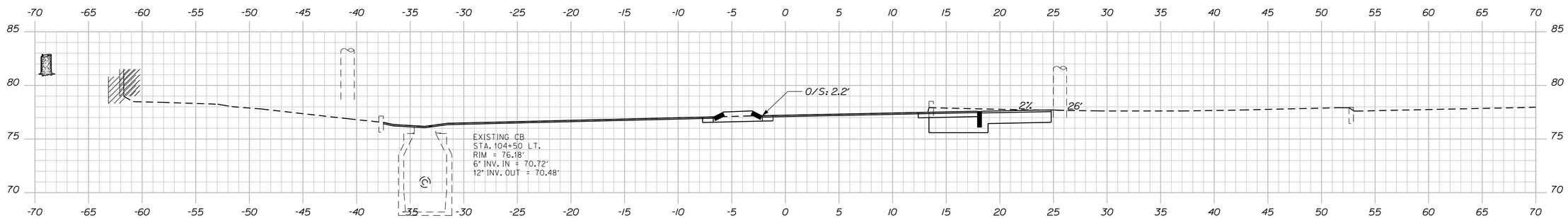
SHEET NUMBER
15
OF 37

Sta. 103+36.00 to Sta. 104+00.00

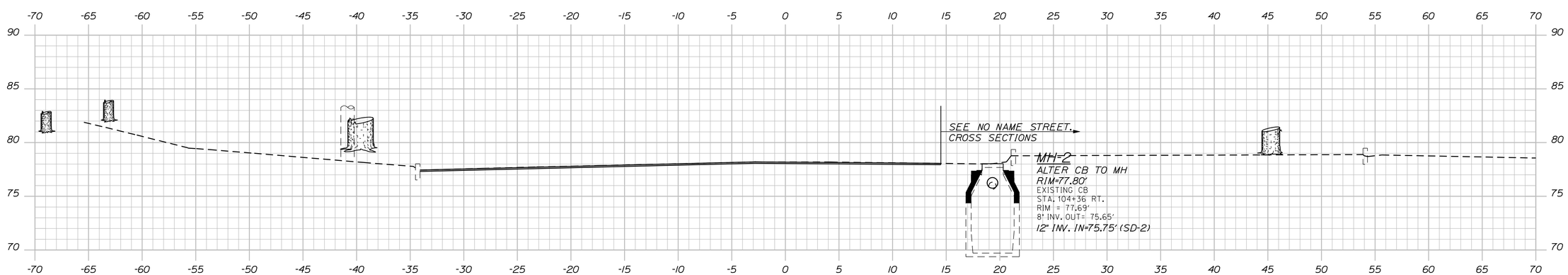
Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




104+75.00




104+50.00




104+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

BRUNSWICK
MAINE STREET

CROSS SECTIONS

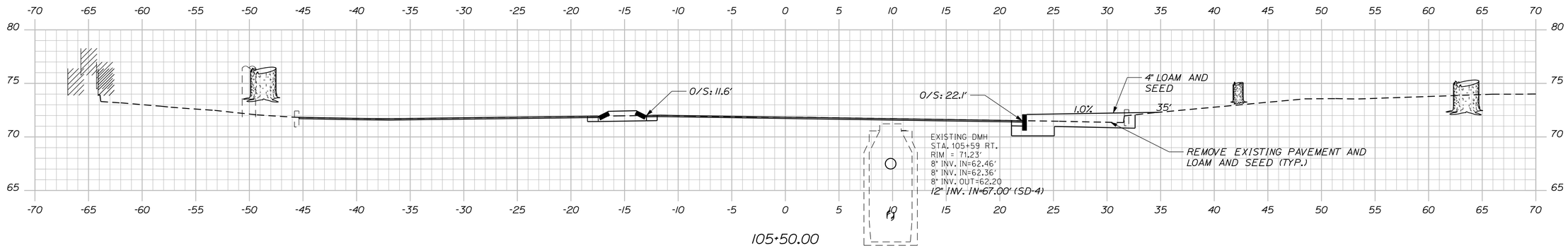
SHEET NUMBER

16

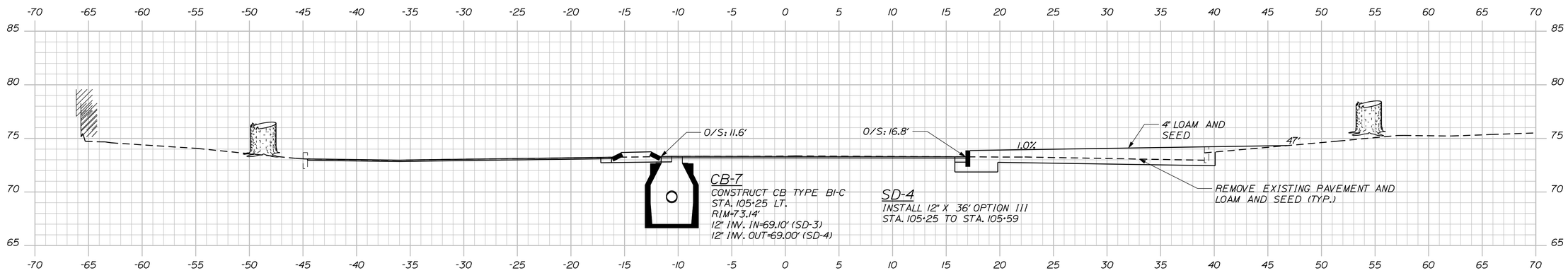
OF 37

Sta. 104+25.00 to Sta. 104+75.00

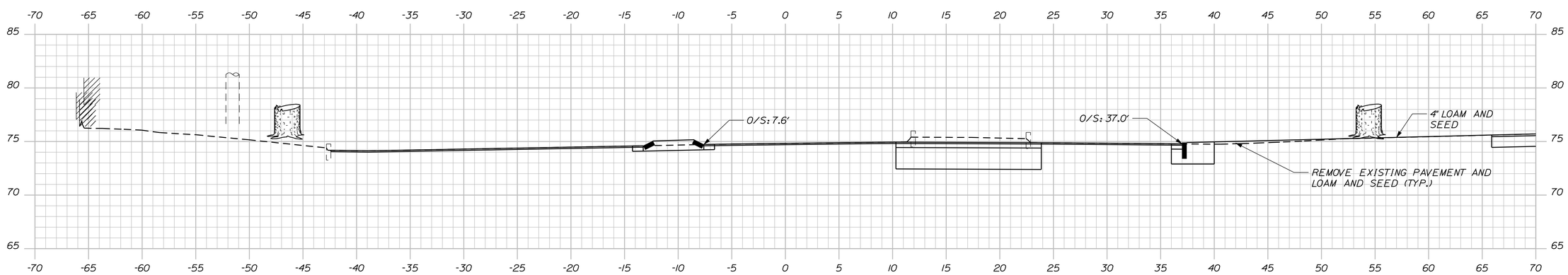
Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




105+50.00




105+25.00




105+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | | BY | DATE |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | | |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
MAINE STREET

CROSS SECTIONS

SHEET NUMBER

17

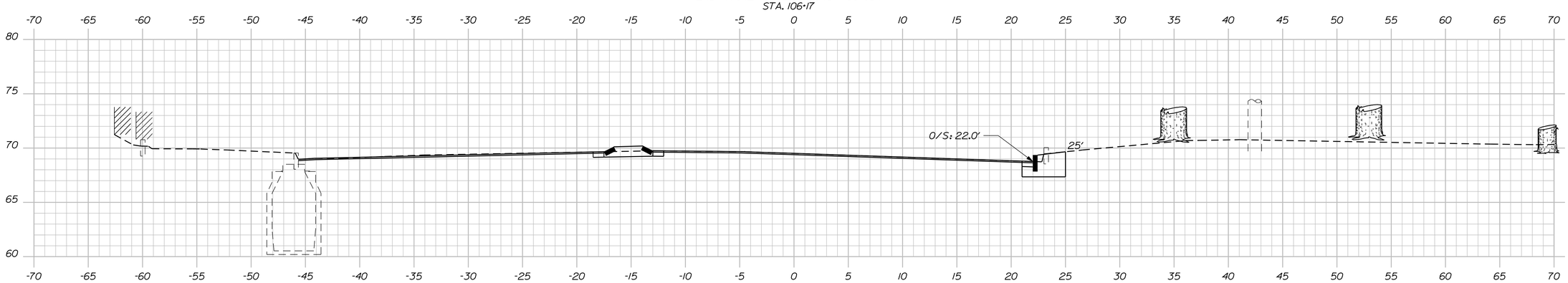
OF 37

Sta. 105+00.00 to Sta. 105+50.00

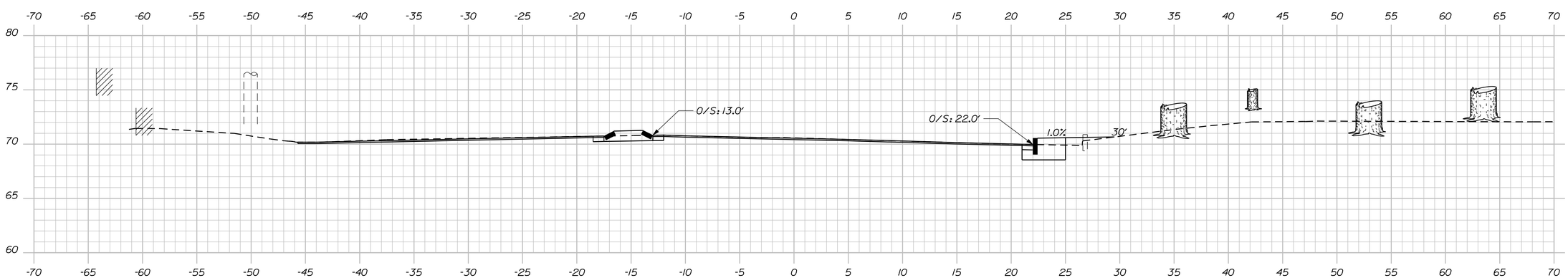
Date:6/10/2011 Username: blyon Division: HIGHWAY Filename: ...\MSTA\09-13-10\Xsect.dgn

Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011

END MAINE STREET CONSTRUCTION
STA. 106+17




106+00.00




105+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

| | BY | DATE |
|---|---|---|
| PROJ. MANAGER | J. MANSIR | |
| DESIGN-DETAILED | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | |
| DESIGN3-DETAILED3 | | |
| REVISIONS 1 | | |
| REVISIONS 2 | | |
| REVISIONS 3 | | |
| REVISIONS 4 | | |
| FIELD CHANGES | | |

SIGNATURE

P.E. NUMBER

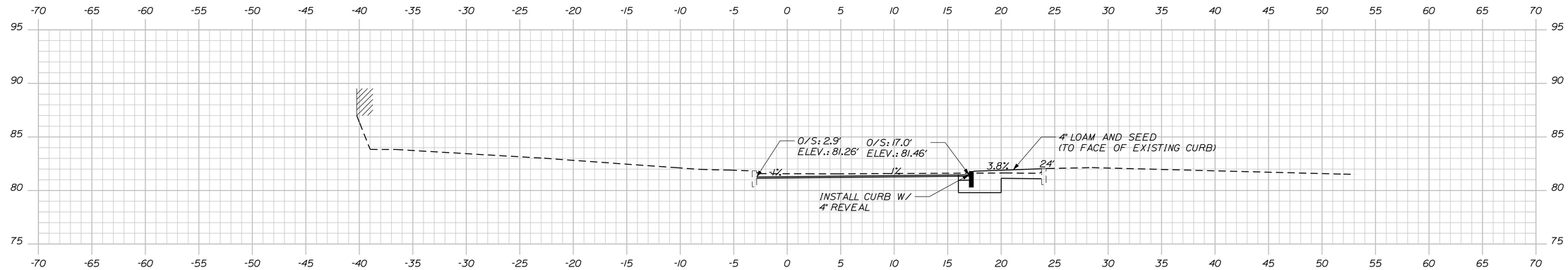
DATE

BRUNSWICK
MAINE STREET

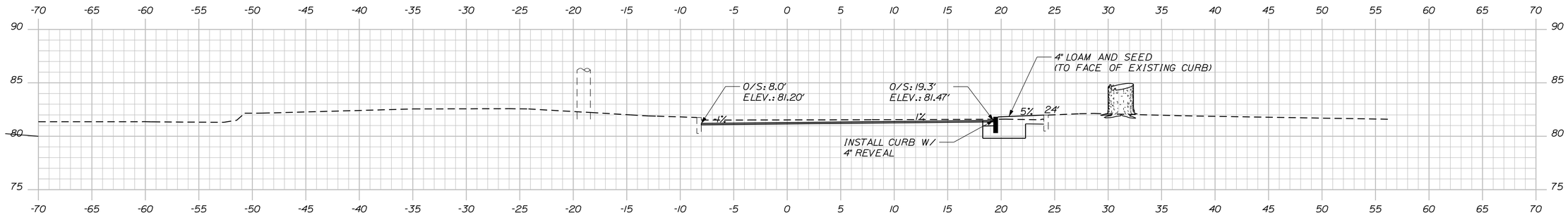
CROSS SECTIONS

SHEET NUMBER
18
OF 37

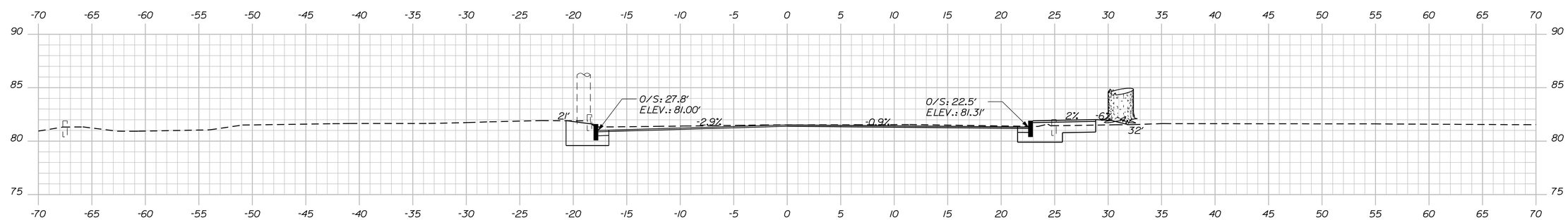
Sta. 105+75.00 to Sta. 106+00.00



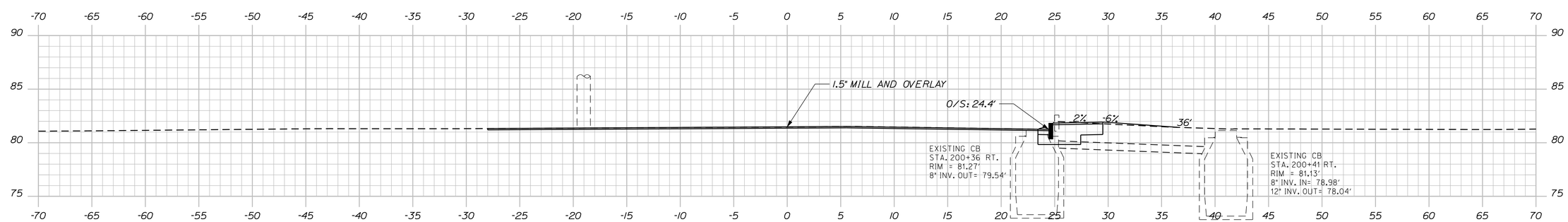

201+00.00




200+75.00




200+50.00




200+36.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

| PROJ. MANAGER | J. MANSIR | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
BATH ROAD

CROSS SECTIONS

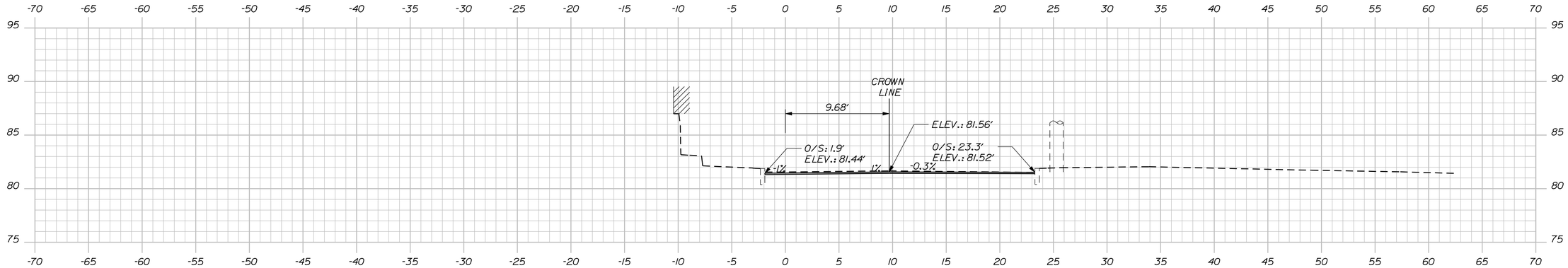
SHEET NUMBER

19

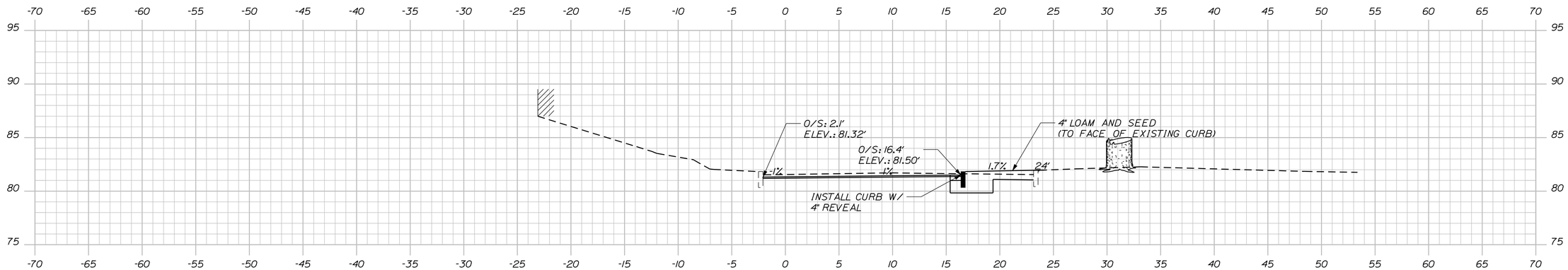
OF 37

Sta. 200+50.00 to Sta. 201+00.00

Date:6/10/2011 Username: blyon Division: HIGHWAY Filename: ...\MSTA\09-13-10\Xsect.dgn

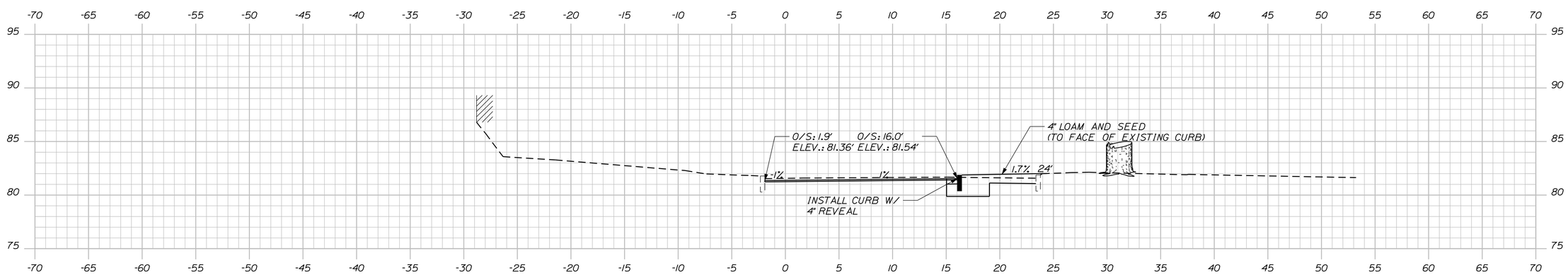



201+75.00




201+50.00

BEGIN SUPERELEVATION TRANSITION
RIGHT STA. 201+50




201+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

| | | BY | DATE |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | | |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

BRUNSWICK
BATH ROAD

CROSS SECTIONS

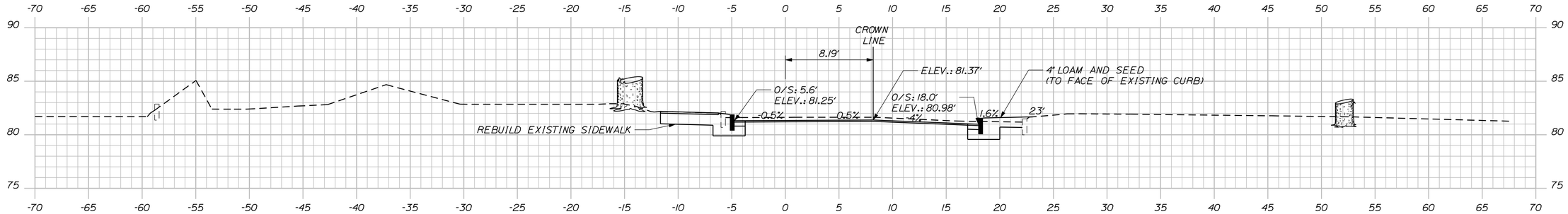
SHEET NUMBER

20

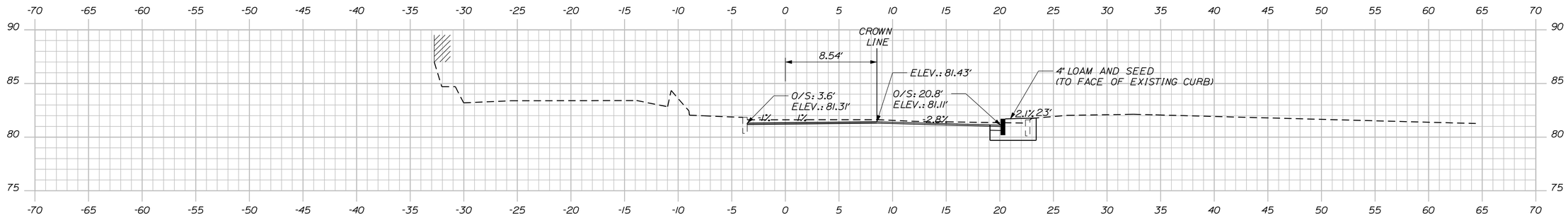
OF 37

Sta. 201+25.00 to Sta. 201+75.00

Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011

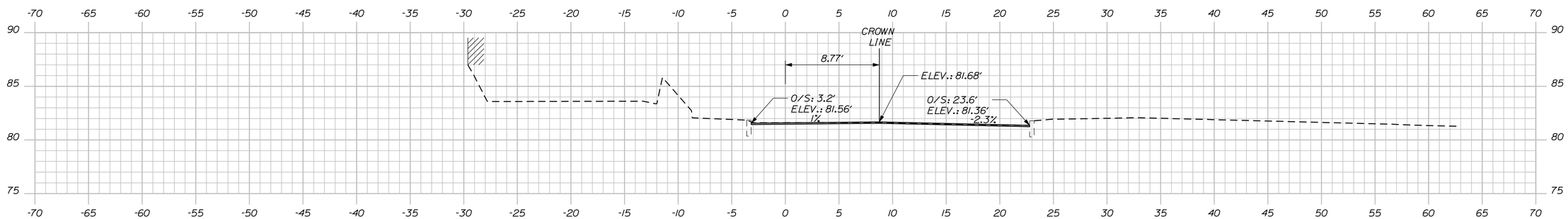



202+50.00

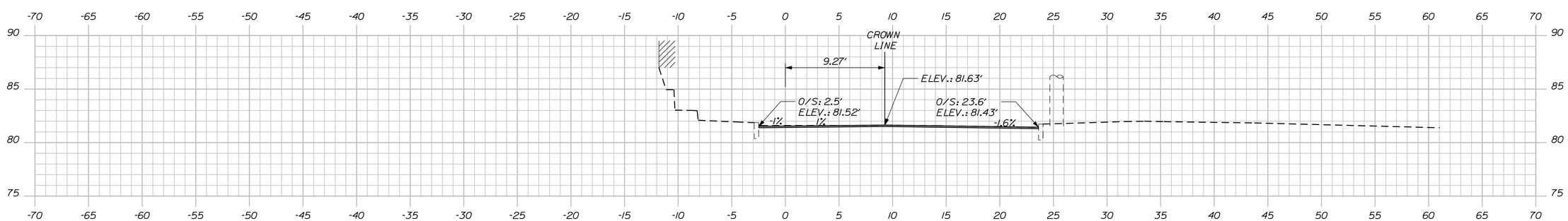



BEGIN SUPERELEVATION TRANSITION LEFT STA. 202+25

202+25.00




202+15.00




202+00.00

Sta. 202+00.00 to Sta. 202+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
BATH ROAD

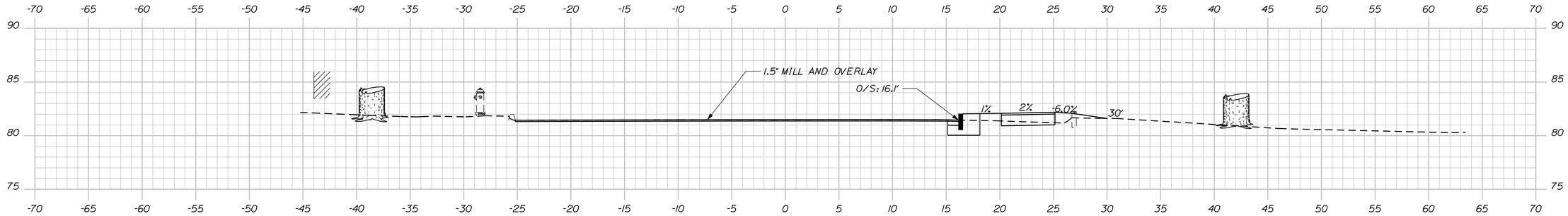
CROSS SECTIONS

SHEET NUMBER

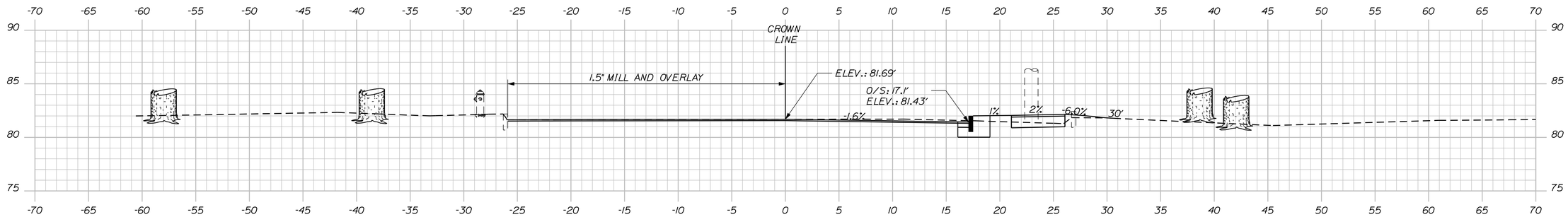
21

OF 37

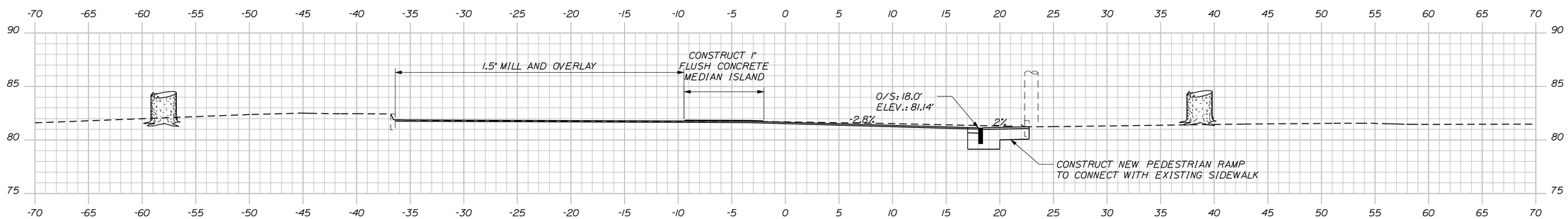
Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011



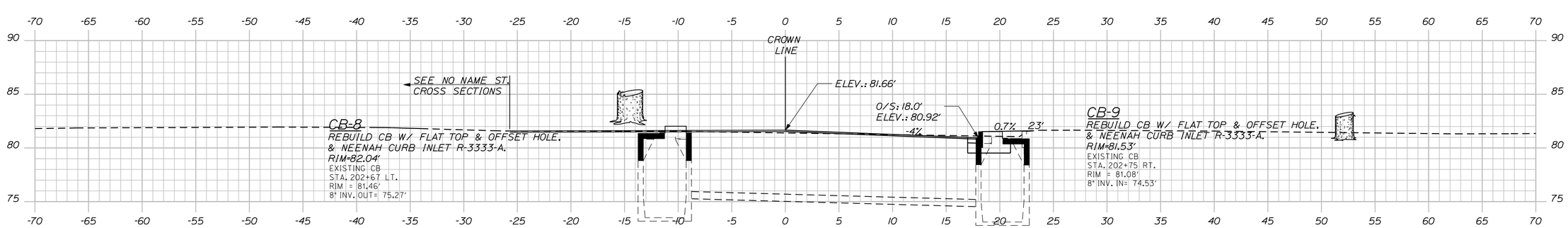

203+50.00




203+25.00




203+00.00




202+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
BATH ROAD

CROSS SECTIONS

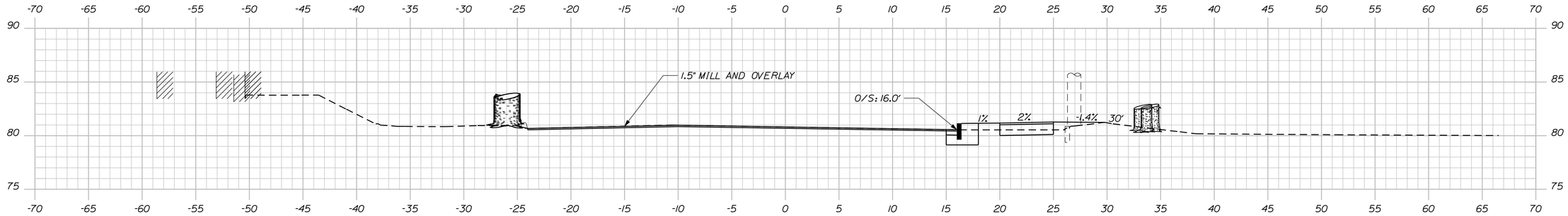
SHEET NUMBER

22

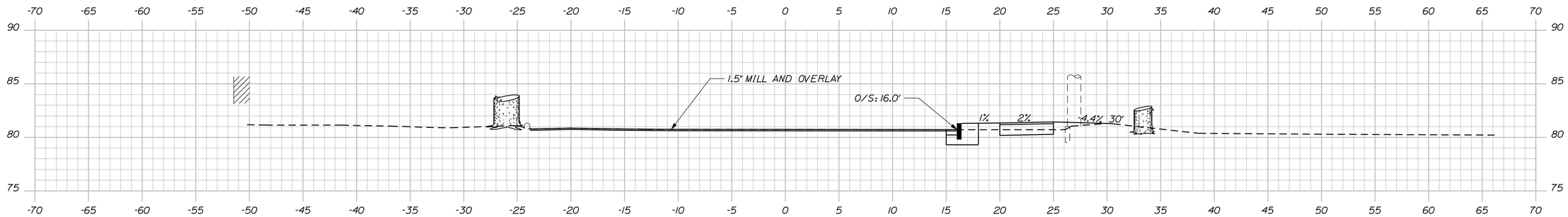
OF 37

Sta. 202+75.00 to Sta. 203+50.00

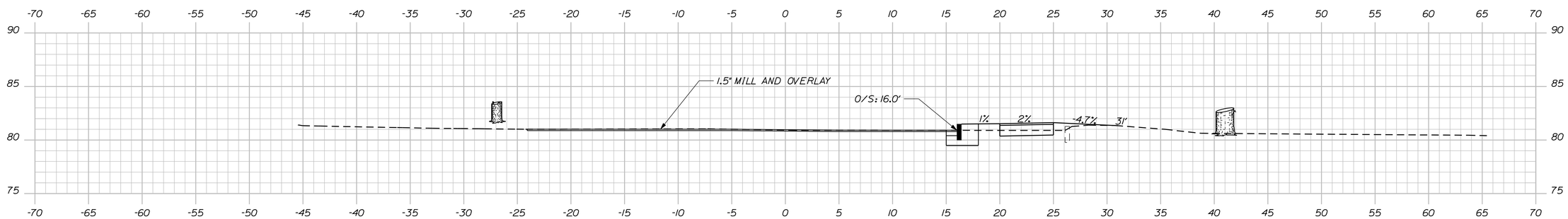
Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011



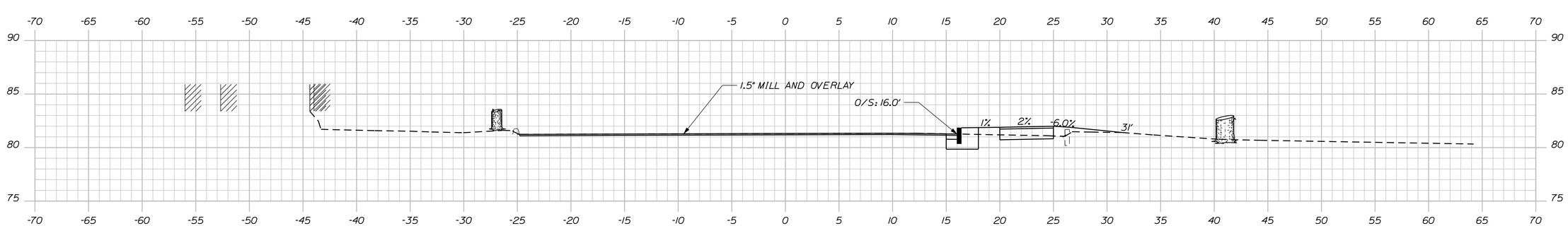

204+50.00




204+25.00




204+00.00




203+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
BATH ROAD

CROSS SECTIONS

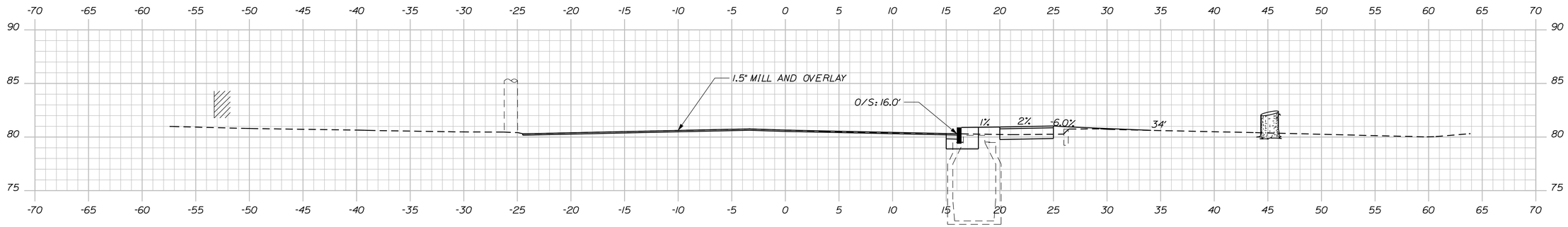
SHEET NUMBER

23

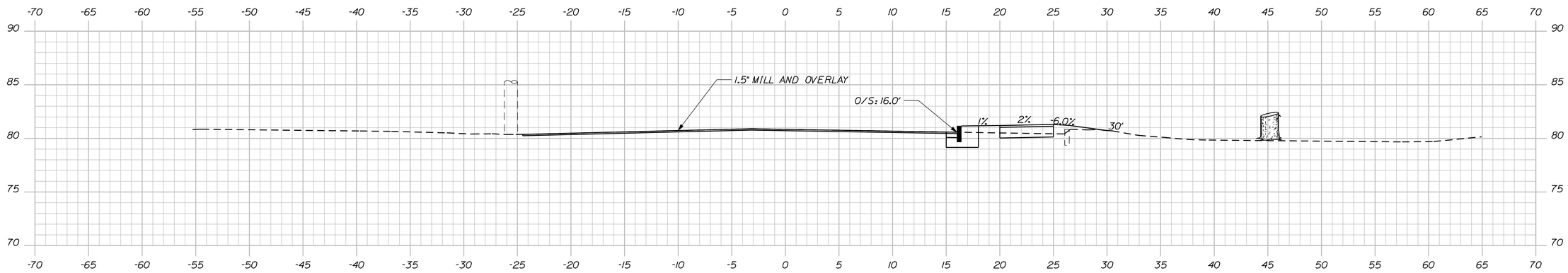
OF 37

Sta. 203+75.00 to Sta. 204+50.00

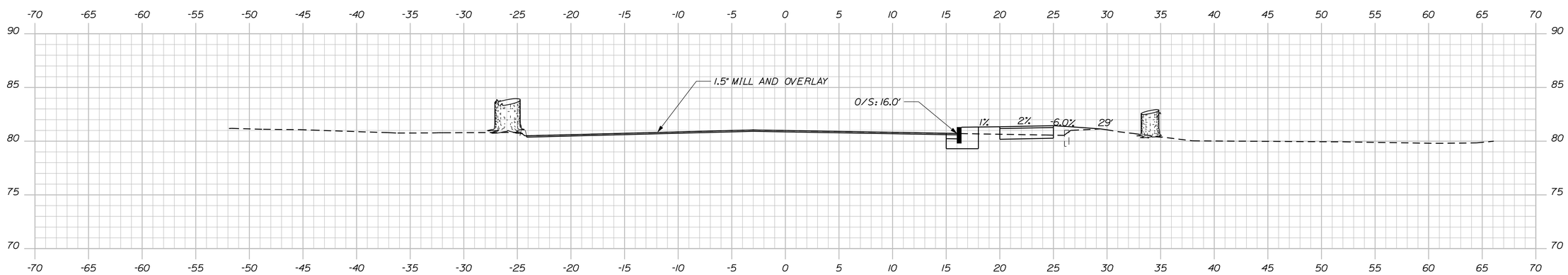
Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




205+25.00




205+00.00




204+75.00

Date:6/10/2011

Username: blyon

Division: HIGHWAY

Filename: ...\MSTA\09-13-10\Xsect.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

| PROJ. MANAGER | J. MANSIR | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

BRUNSWICK
BATH ROAD

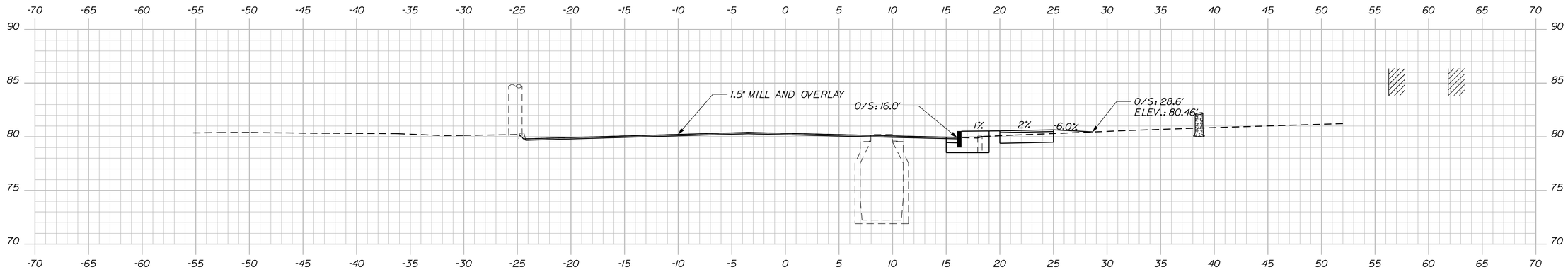
CROSS SECTIONS

SHEET NUMBER

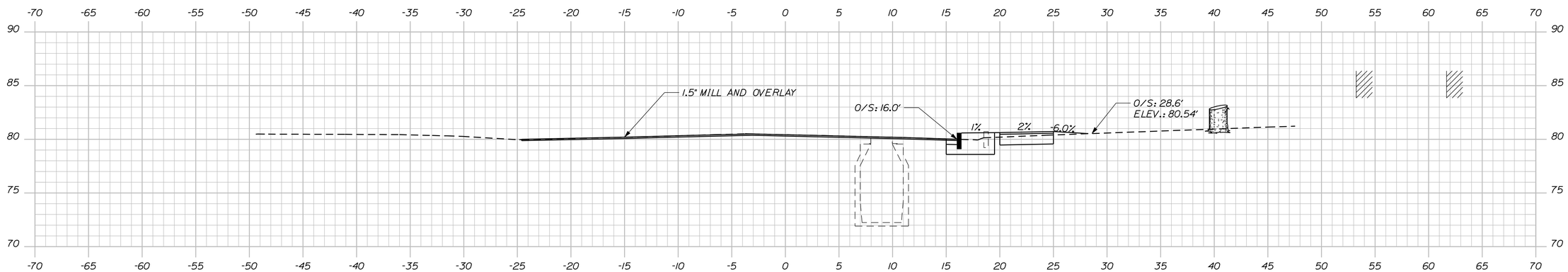
24

OF 37

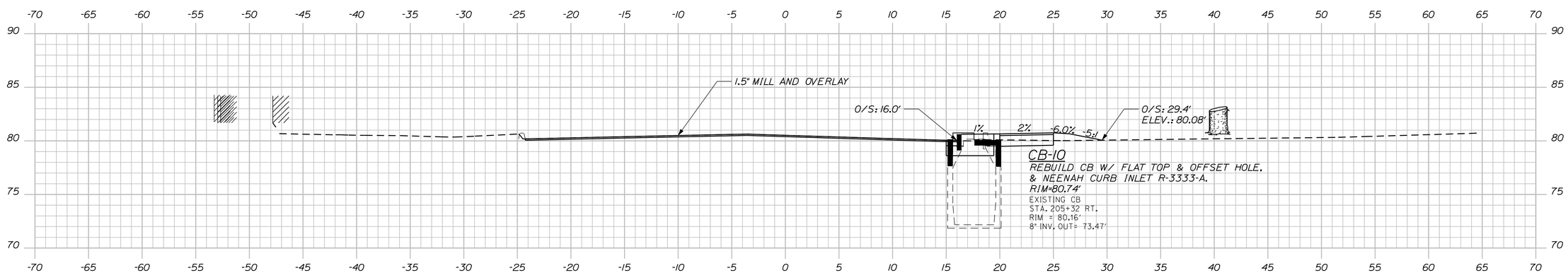
Sta. 204+75.00 to Sta. 205+25.00




206+00.00




205+75.00




205+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

| PROJ. MANAGER | J. MANSIR | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
BATH ROAD

CROSS SECTIONS

SHEET NUMBER

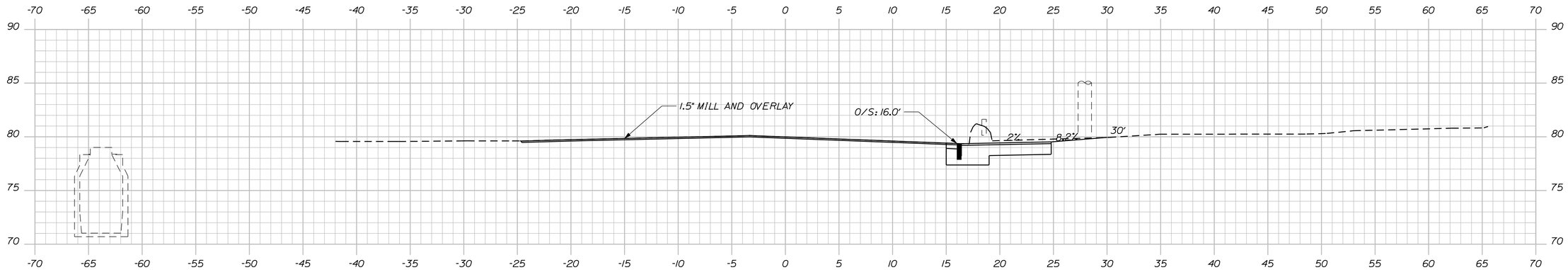
25

OF 37

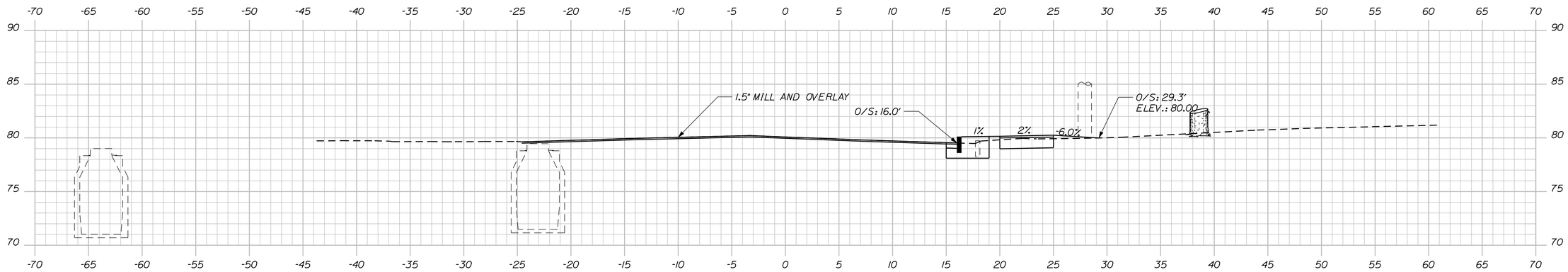
Sta. 205+50.00 to Sta. 206+00.00

Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011

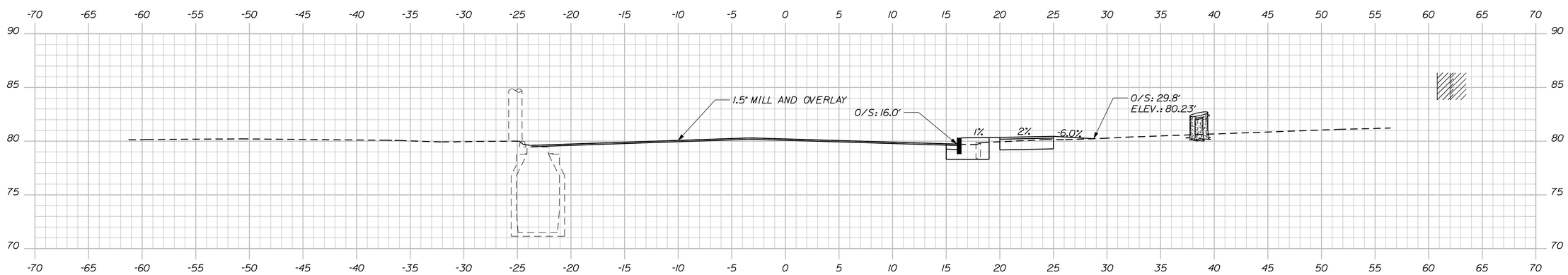
END BATH ROAD CONSTRUCTION
STA. 206+97




206+75.00




206+50.00




206+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
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| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

BRUNSWICK
BATH ROAD

CROSS SECTIONS

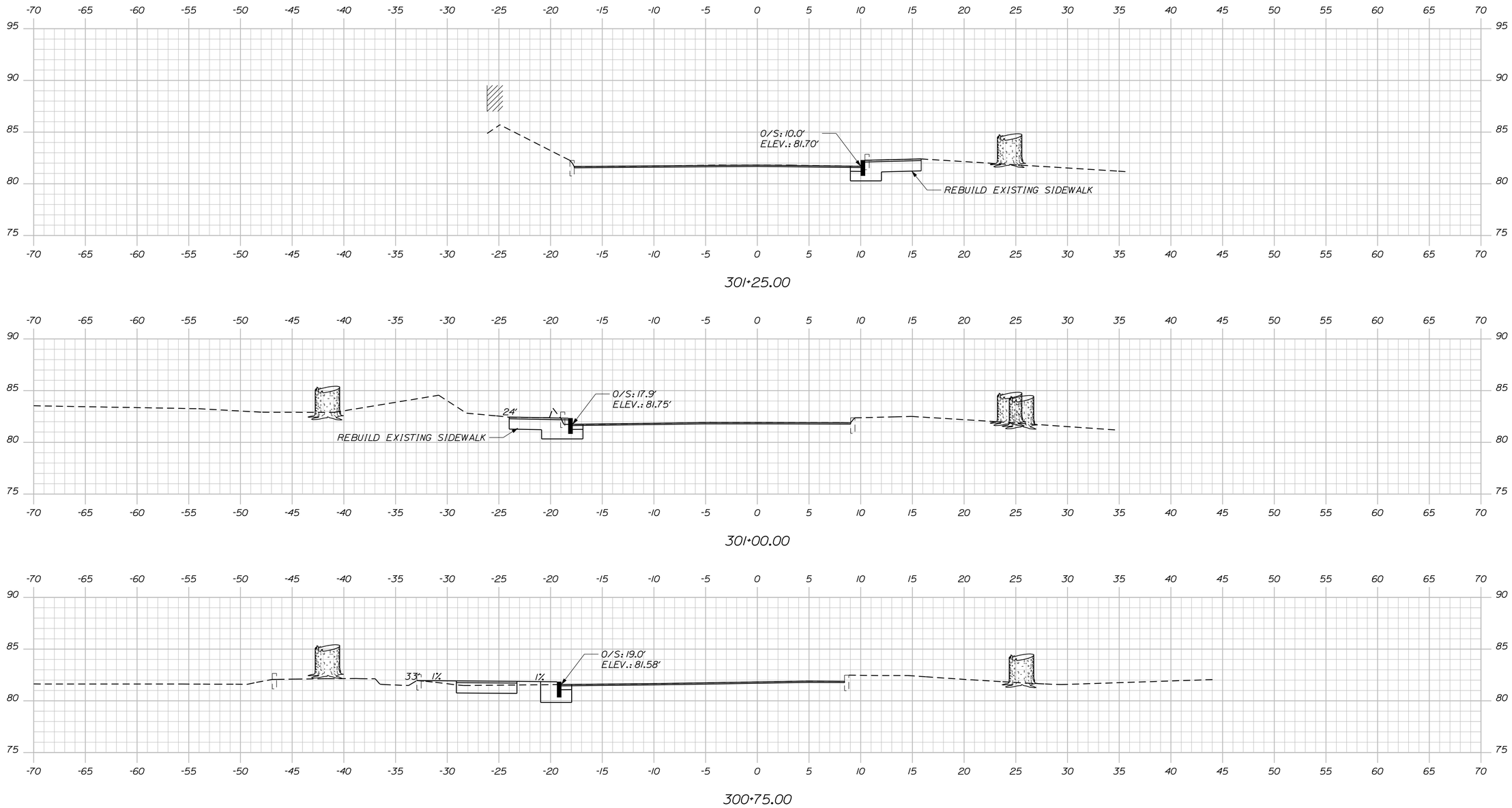
SHEET NUMBER

26

OF 37

Sta. 206+25.00 to Sta. 206+75.00

Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

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| PROJ. MANAGER | J. MANSIR | BY | DATE |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
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BRUNSWICK
NO NAME STREET

CROSS SECTIONS

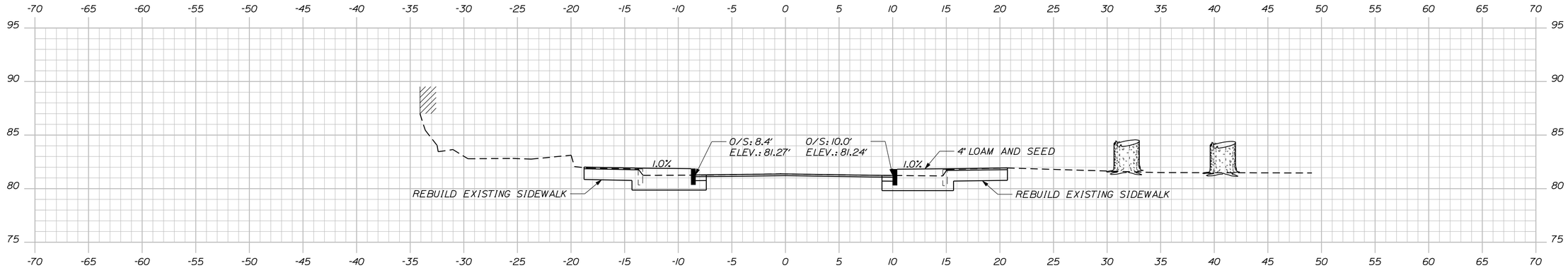
SHEET NUMBER

27

OF 37

Sta. 300+75.00 to Sta. 301+25.00

Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011

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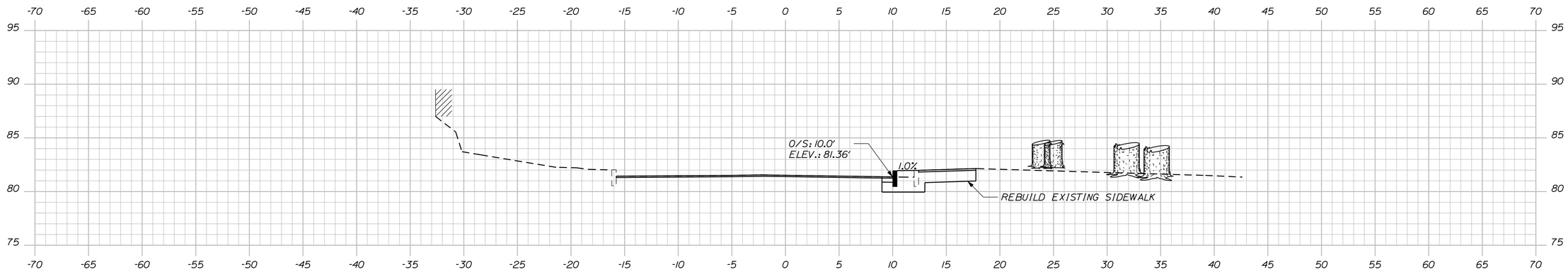


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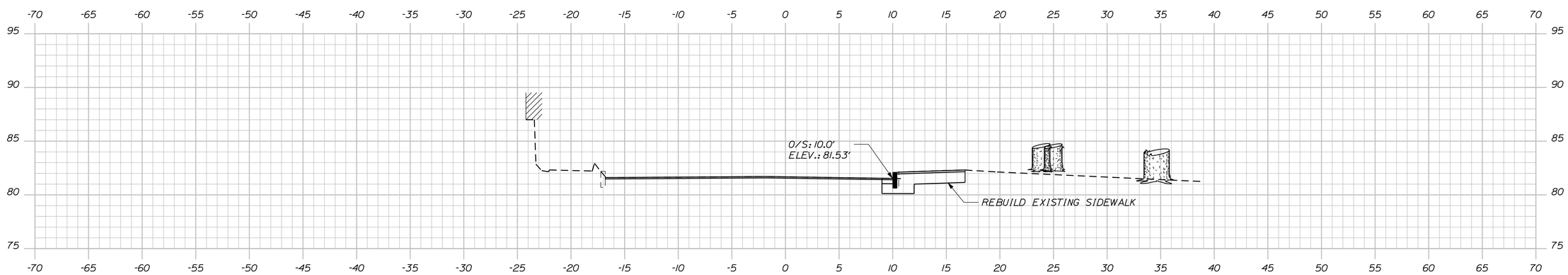


301+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

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| DESIGN3-DETAILED3 | | | |
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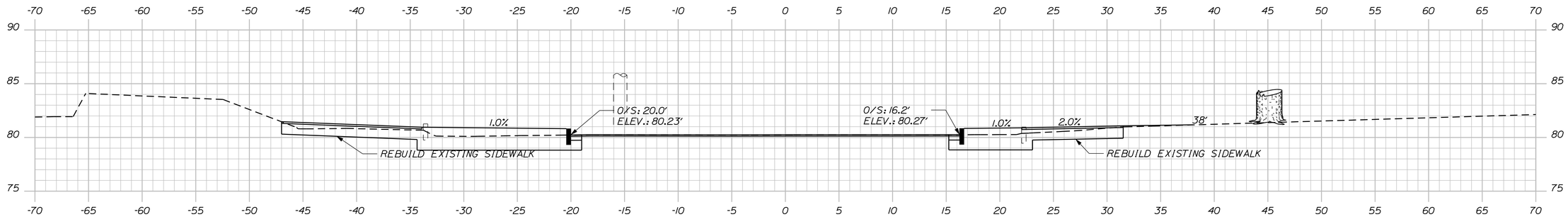
BRUNSWICK
NO NAME STREET

CROSS SECTIONS

SHEET NUMBER
28
OF 37

Sta. 301+50.00 to Sta. 302+00.00

Date:6/10/2011 Username: blyon Division: HIGHWAY Filename: ...\MSTA\09-13-10\Xsect.dgn

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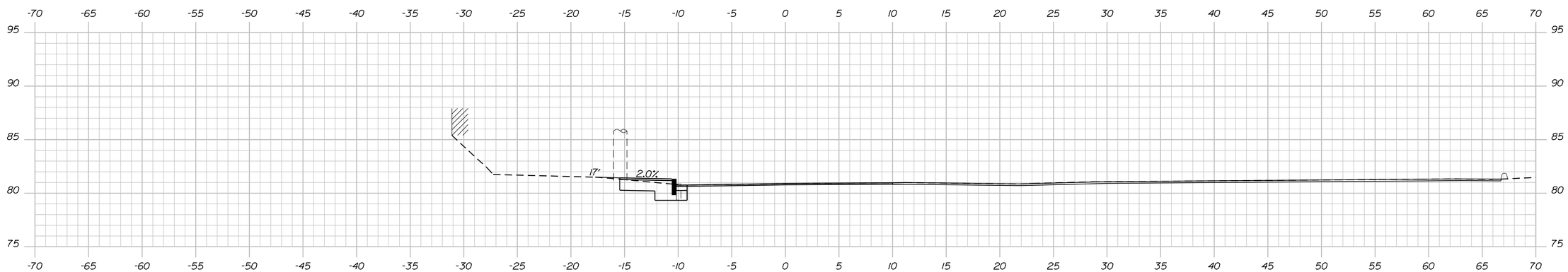


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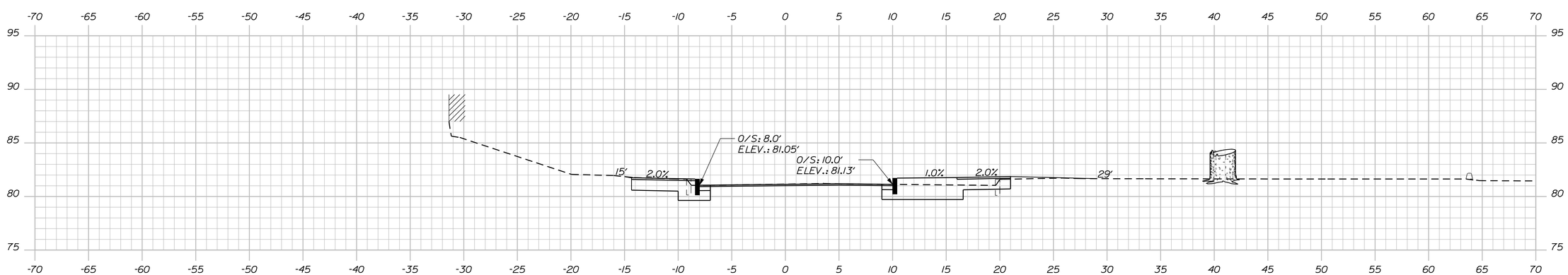


302+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

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| DESIGN3-DETAILED3 | | | |
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P.E. NUMBER

DATE

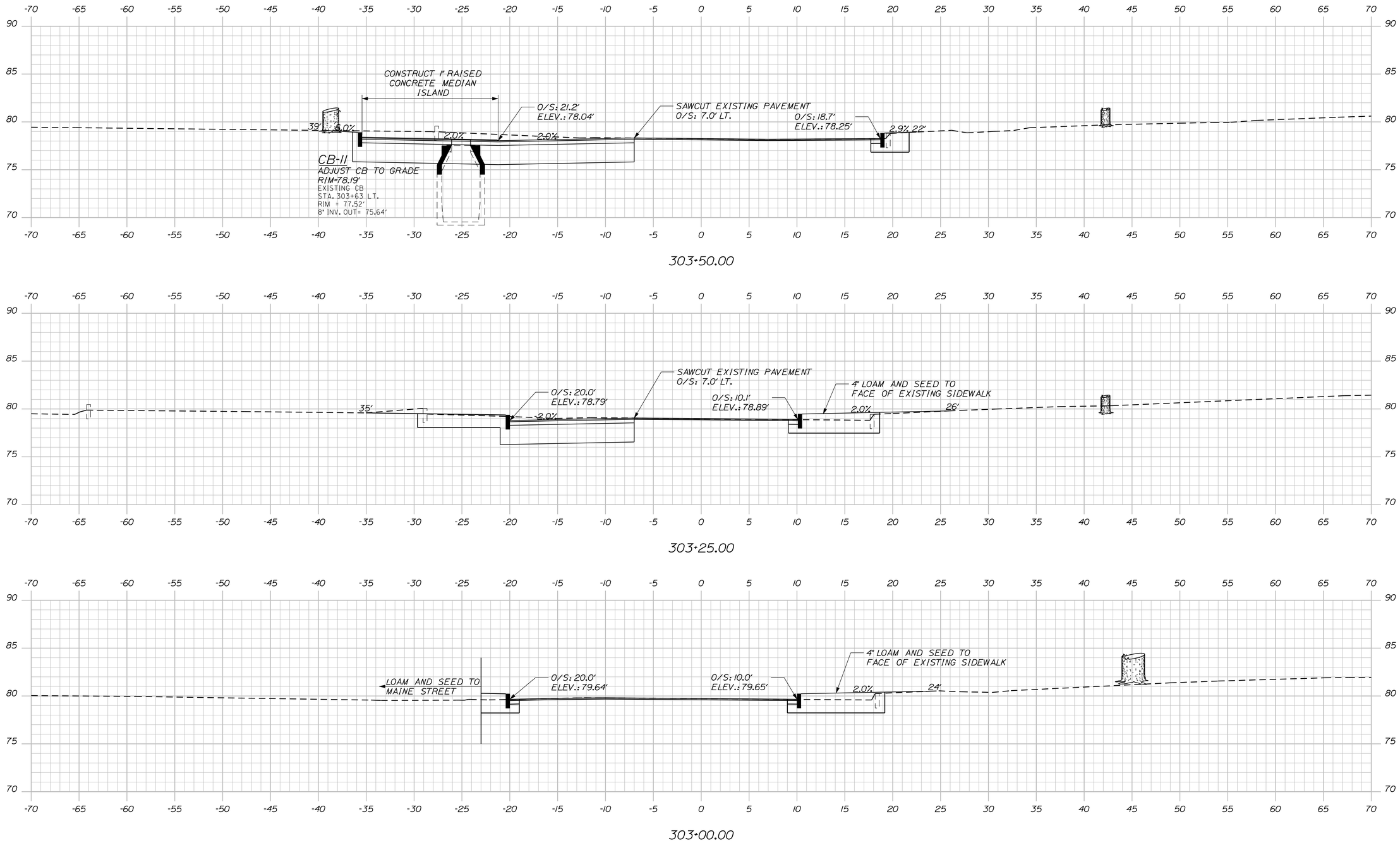
BRUNSWICK
NO NAME STREET

CROSS SECTIONS

SHEET NUMBER
29
OF 37

Sta. 302+25.00 to Sta. 302+75.00

Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

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P.E. NUMBER

DATE

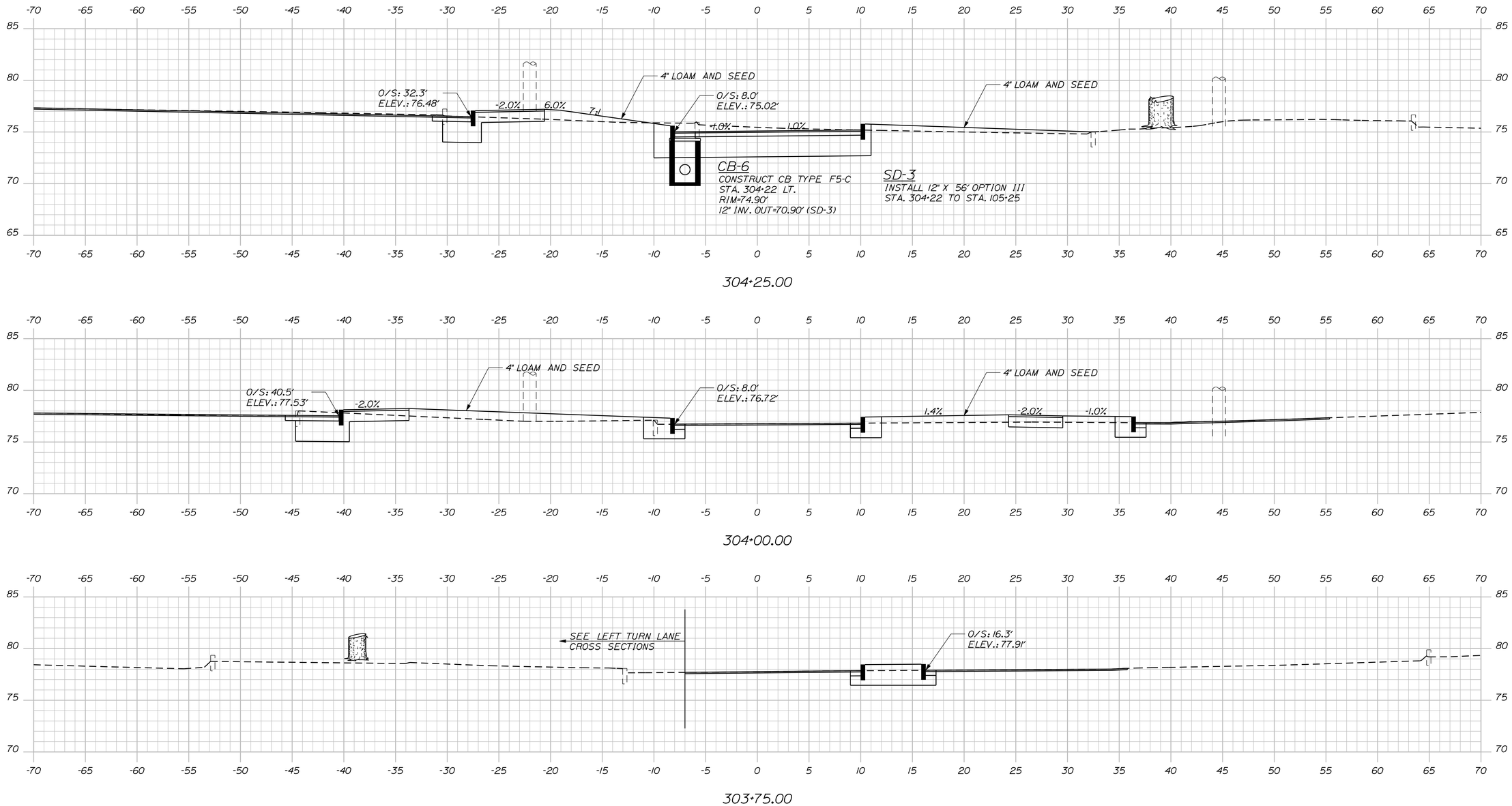
BRUNSWICK
NO NAME STREET

CROSS SECTIONS

SHEET NUMBER
30
OF 37

Sta. 303+00.00 to Sta. 303+50.00

Filename: ...\MSTA\09-13-10\Xsect.dgn Division: HIGHWAY Username: blyon Date:6/10/2011




STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN
17285.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

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| PROJ. MANAGER | J. MANSIR | | |
| DESIGN-DETAILED | B. LYON | B. LYON | 6/10/11 |
| CHECKED-REVIEWED | S. SAWYER | S. SAWYER | 6/10/11 |
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BRUNSWICK
NO NAME STREET

CROSS SECTIONS

SHEET NUMBER

31

OF 37

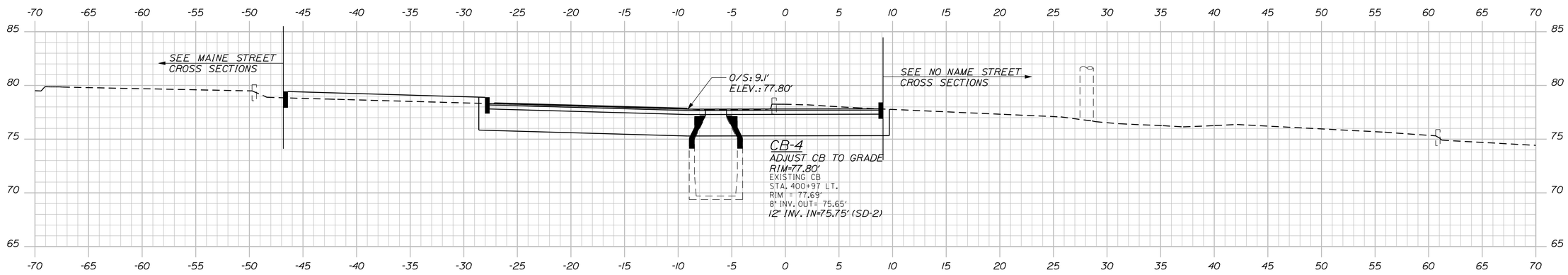
Sta. 303+75.00 to Sta. 304+25.00

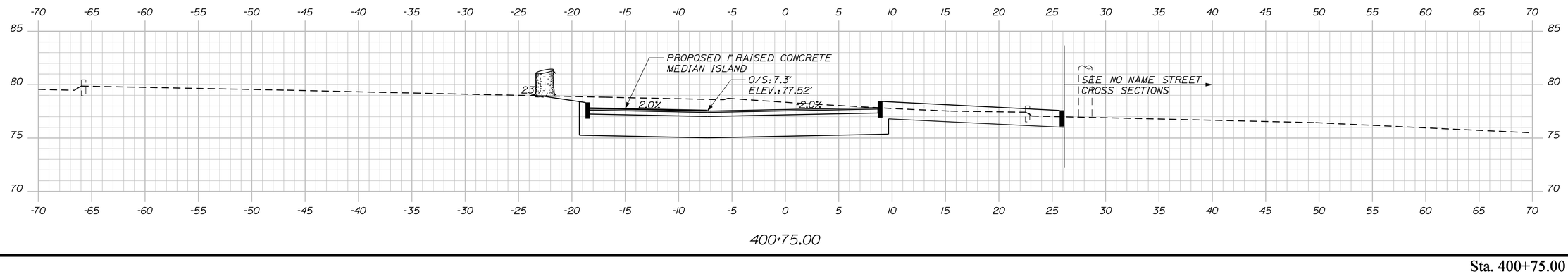
Date:6/10/2011

Username: blyon

Division: HIGHWAY

Filename: ...\MSTA\09-13-10\Xsect.dgn




STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

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HIGHWAY PLANS

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SHEET NUMBER
32
OF 37

Sta. 400+75.00 to Sta. 401+00.00

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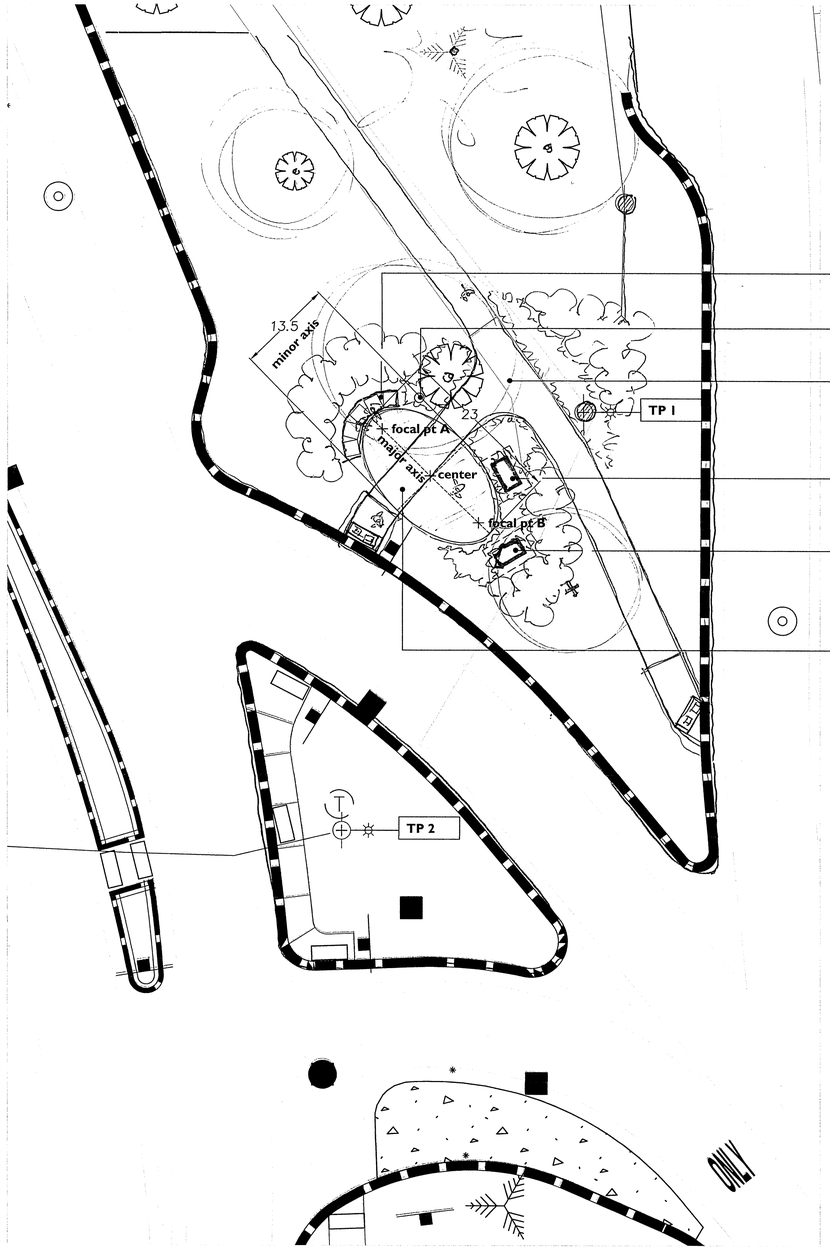


5' Granite Blocks shall be centered on the major axis on SW end of ellipse. See Dtl 2, Sht 35 for detailed plan view

Relocated Memorial Sign; to be field-located by Town of Brunswick or Landscape Architect

As-built condition; see Civil Drawings for layout of all sidewalks

Final orientation and spatial relationship of Memorial elements shall remain the same as at original location. The removal, movement, and placement of Memorials shall be overseen and approved by the Town of Brunswick. See Mass Footing Detail, Sht 35, Dtl. 1

Final orientation and spatial relationship of Memorial elements shall remain the same as at original location. The removal, movement, and placement of Memorials shall be overseen and approved by the Town of Brunswick. See Mass Footing Detail, Sht 35, Dtl. 1

As-built condition; See Civil Drawings for layout of sidewalk

## Triangulation Distances to Establish Points For Ellipse

Control Point A - Telephone Pole #1 (TP1)
Control Point B - Telephone Pole #2 (TP2)

**Center**
TP1 - 23.21'
TP2 - 51.11'

**Focal Point A**
TP1 - 28.29'
TP2 - 56.40'

**Focal Point B**
TP1 - 21.30'
TP2 - 47.12'

**Major Axis Distance**
23'

**Minor Axis Distance**
13.5'

## LAYOUT PLAN

scale: 1"=10'-0"

## General Notes

1. All topographic and existing base information provided by SebagoTechnics.
2. No grading, construction or materials storage shall occur within tree protection areas or within drip-line of existing trees.
3. All areas not requiring construction, grading, or planting shall be left undisturbed. Contractor shall keep out of these areas and preserve existing plantings.
4. Underground and aboveground utility locations are based upon best available evidence and are not field verified. Locating and protecting any above ground or underground utilities is the sole responsibility of the contractor. Utility conflicts shall be reported immediately to the Owner's Representative.
5. Utility information shown is approximate only. Prior to any construction, appropriate utility companies shall be contacted and Dig-Safe Center shall be called at 1-888-DIG-SAFE, at least 72 hours (3 working days) in advance.

## General Layout/Staking Notes

1. Drawings prepared from base materials prepared by SebagoTechnics.
2. Point of Beginning (POB) for all construction of ellipse shall be the existing utility poles denoted as TP1 and TP2 on the Layout Plan, Sht L-1.
3. All written dimensions shall prevail; do not scale from drawings.
4. Distances shown on site plans are horizontal distances.
5. All curves shall be true radii without straight segments.
6. Contractor shall field verify all dimensions and field verify location of existing plants and utilities as necessary. Any discrepancies shall be reported immediately to the landscape architect.
7. Layout staking shall be approved by landscape architect prior to construction. The contractor shall notify the landscape architect 48 hours prior to required site visit.
8. Layout and placement of the Relocated Memorial Elements shall be approved by the Town of Brunswick.
8. See construction details for dimensions of site elements.
9. All dimensions and angles are 90° unless otherwise noted.
10. Changes in the layout may be made by landscape architect to accommodate design intent or field conditions. No additional payment will be made to contractor for this work.

## General Planting Plan Notes:

1. Contractor shall begin maintenance immediately after planting and shall continue until final acceptance. Contractor shall be responsible for all means and methods of watering and maintenance.
2. The Landscape Contractor shall supply all plant materials in quantities sufficient to complete all plantings shown on this drawing. Clarify any discrepancies with the landscape architect prior to ordering plant material.
3. All materials shall conform to the guidelines established by the American Association of Nurserymen.
4. All plants shall bear the same relationship to finish grade as the original grades before digging.
5. The Landscape Contractor shall guarantee all plant materials for one (1) full year from date of substantial completion.
6. All plant materials are subject to the approval of the landscape architect at the nursery and at the site.
7. All areas of the site which have been disturbed and not otherwise developed shall be loamed with a minimum depth of 6" of topsoil and seeded as specified by the Town of Brunswick.
8. Landscape Contractor is encouraged to contact the landscape architect with concerns and/or suggestions with regard to proposed plant material selection prior to placing a purchase order.
9. All trees located adjacent to walks and drives shall have 6' of clear height to first branching.
10. Contractor shall verify all tree removals (as neccessary) with landscape architect prior to start of construction.
11. Contractor shall obtain approval for proposed lawn seed mix with the Town of Brunswick prior to installation.
12. No plant shall be put into the ground before rough grading has been finished and approved by the project landscape architect.
13. All plants shall be balled and wrapped or container grown as specified. No container grown stock will be accepted if it is root bound. All root wrapping material made of synthetics or plastics shall be removed at the time of planting.
14. With container grown stock, the container shall be removed and the container ball shall be cut through the surface in two vertical locations.
15. The location of trees, shrubs and bedlines shall be staked for approval by the landscape architect prior to installation. The contractor shall notify the landscape architect 48 hours prior to required site visit.
16. All plants shall be installed as per details.
17. All plants and stakes shall be set plumb unless otherwise specified.
18. The landscape contractor shall provide loam fill to a depth of 18" in all Shrub Bed areas.
19. All plants shall be watered thoroughly twice during the first 24-hour period after planting. All plants shall then be watered by the contractor, as necessary to insure health until final acceptance.
20. The landscape contractor shall refer to the plant list and planting specifications for seasonal requirements and other restrictions related to the time of planting.

LICENSED LANDSCAPE ARCHITECT
TODD A. RICHARDSON
No. 130
STATE OF MAINE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

| PROJ. MANAGER | J. MANSIR | BY | DATE |
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| DESIGN-DETAILED | | | |
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| FIELD CHANGES | | | |

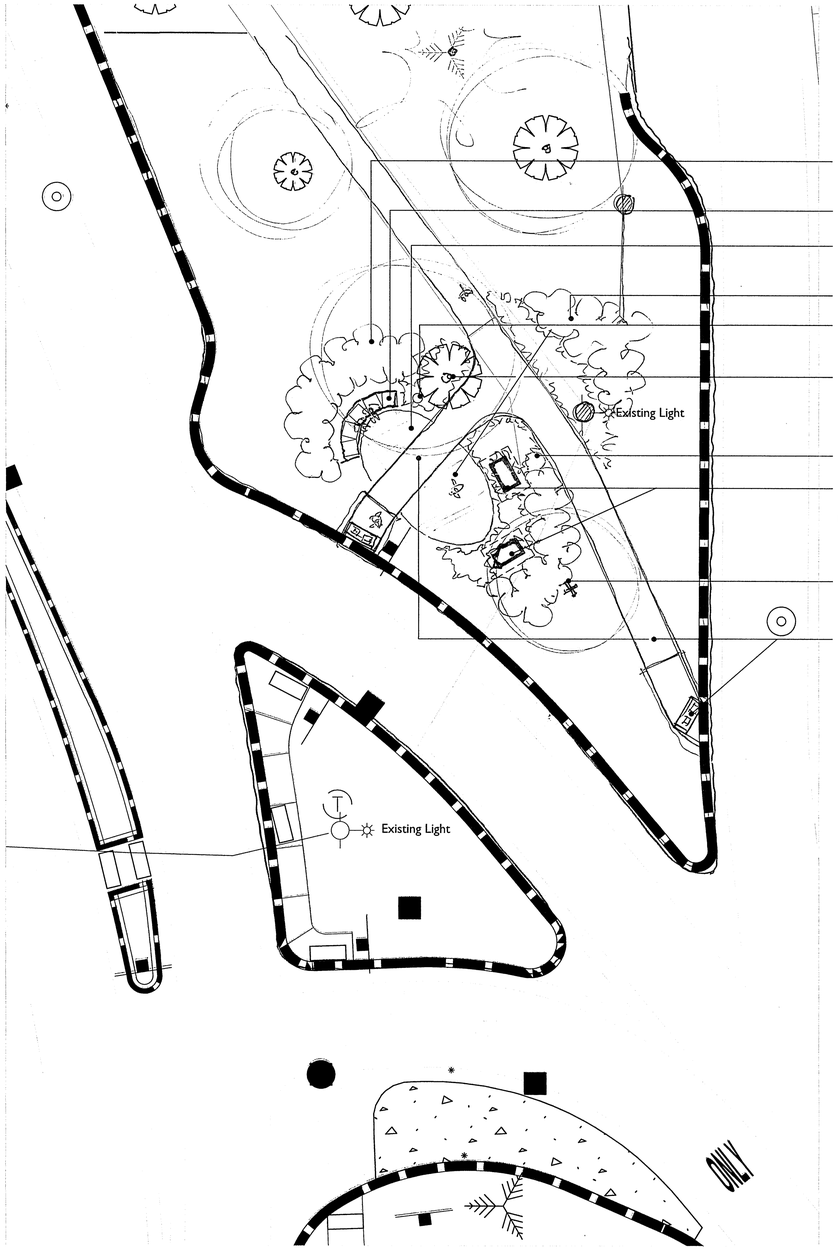
SIGNATURE

P.E. NUMBER

DATE 6-10-11

BRUNSWICK
SPANISH WAR MEMORIAL RELOCATION
LANDSCAPING PLANS

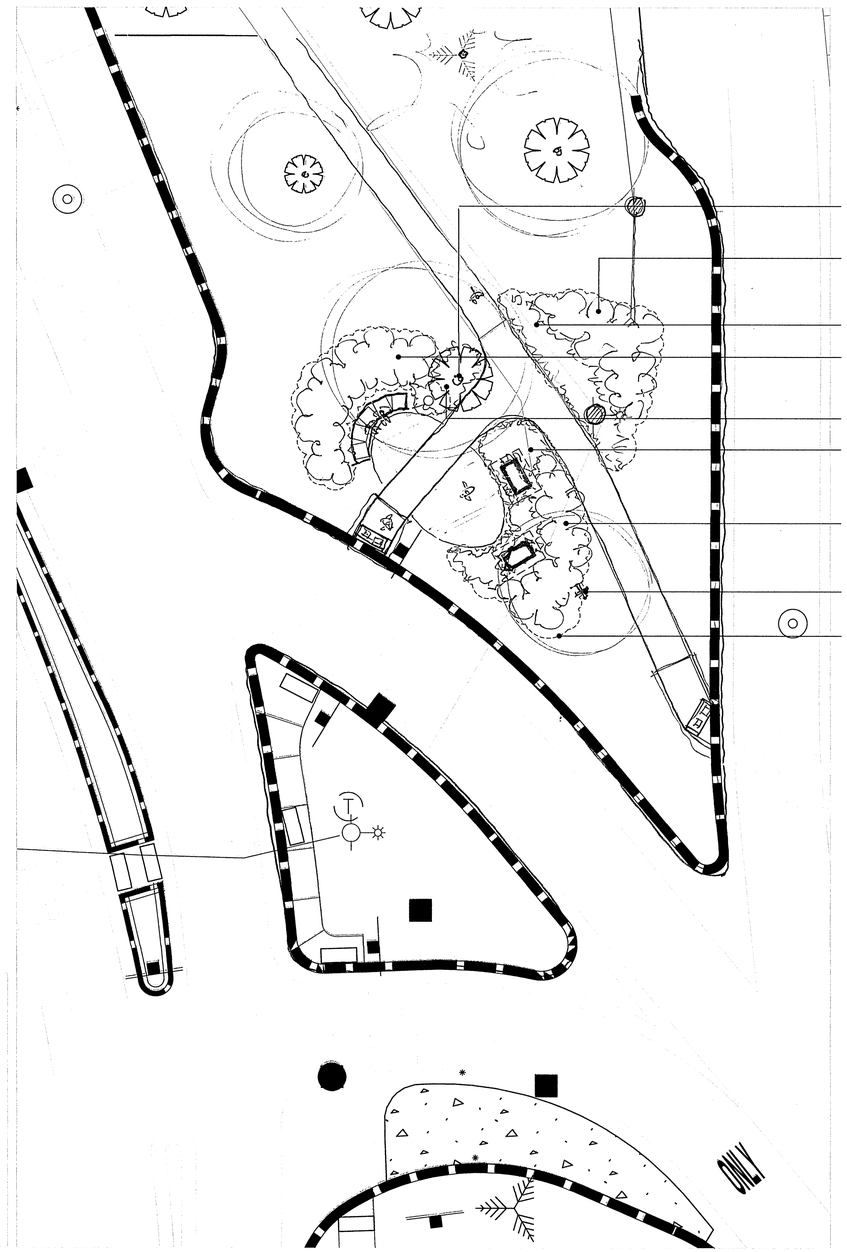
SHEET NUMBER
33
OF 37




## MATERIALS PLAN

**scale:1"=10'-0"**

**See Sht L-3 for all notes**




## PLANTING PLAN

**scale:1"=10'-0"**

**See Sht 35 for all notes**

Plant List

| Quantity | Scientific Name | Common Name | Size | Notes |
|---|---|---|---|---|
| Trees | | | | |
| 1 | Acer rubrum | Red Maple | 2 1/2" Cal. | |
| Shrubs | | | | |
| 26 | Cornus Sericea 'Isanti' | Compact Red Twig Dogwood | #5 cont. | |
| 10 | Ilex verticillata 'Red Sprite' | Dwarf Winterberry | #5 cont. | |
| 2 | Ilex verticillata 'Jim Dandy' | Male Winterberry | #3 cont. | |
| 38 | Rhus aromatica 'Gro-low' | Dwarf Fragrant Sumac | #3 cont. | |

LICENSED LANDSCAPE ARCHITECT
TODD A. RICHARDSON
No. 130
WINTHROP, MAINE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

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DATE 6-10-11

BRUNSWICK
SPANISH WAR MEMORIAL RELOCATION
LANDSCAPING PLANS

SHEET NUMBER
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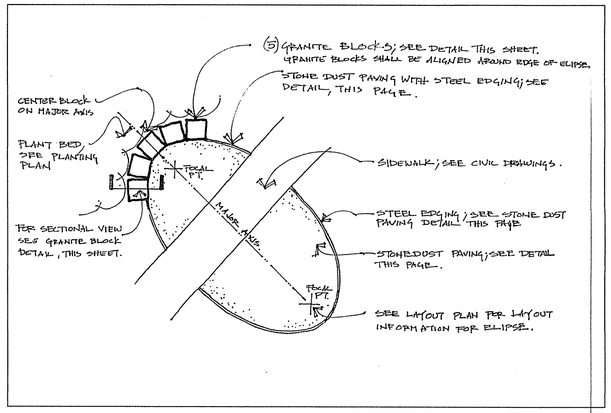
OF 37

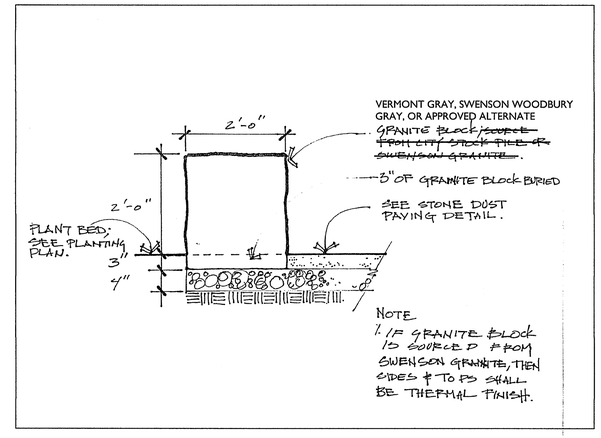
**Dtl. 1: Existing Memorial Elements**

1. Memorial Sign - to be field re-located by Town of Brunswick or Landscape Architect;
2. Cannon with Concrete Base - to be removed and relocated with existing base;
3. Boulder with Plaque - to be removed and relocated with existing mortar and stone base.

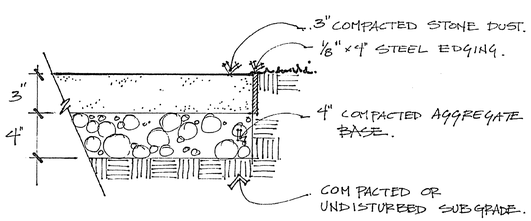
note: per MHPC, Cannon and Boulder elements to be removed and relocated with existing base conditions intact, and reset in new location maintaining pre-existing relationships and overall orientation.



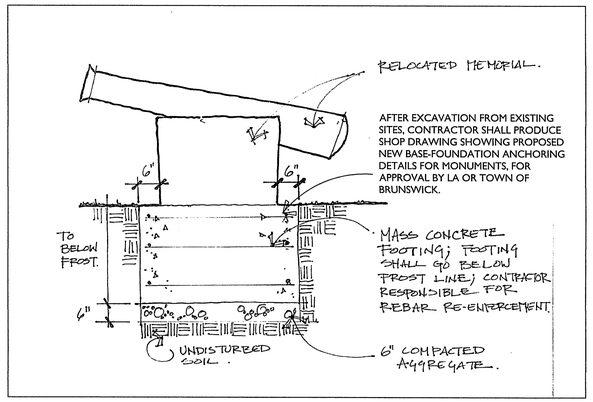

**Dtl. 2: Plan View of Elipse and Granite Seating Blocks**
scale: NTS



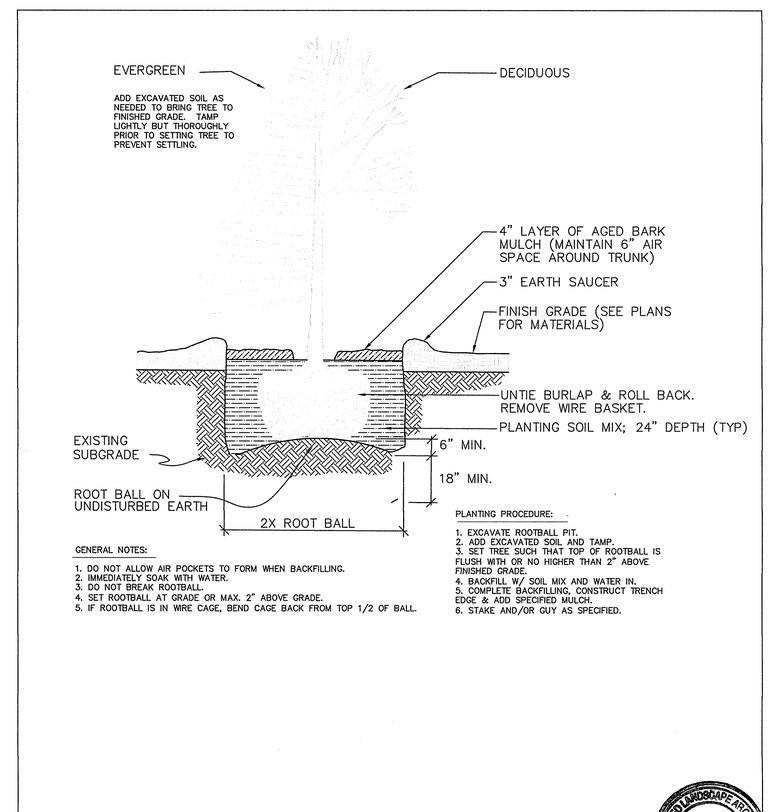

**Dtl. 3: Granite Seating Block Detail**
scale: NTS



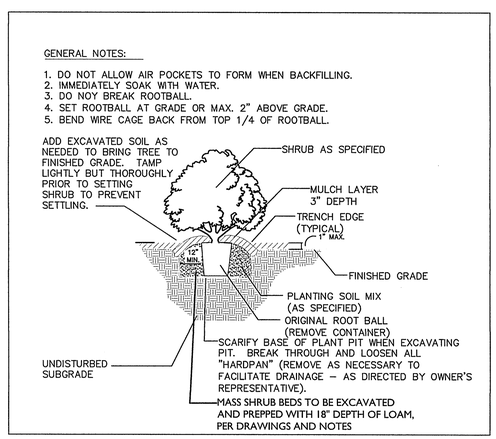

**Dtl. 4: Stone Dust Paving with Steel Edging**
scale: NTS




**Dtl. 5: Mass Footing Detail**
scale: NTS




**Dtl. 6: Tree Planting Detail**
scale: NTS




**Dtl. 7: Shrub Planting Detail**
scale: NTS

LICENSED LANDSCAPE ARCHITECT
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STATE OF MAINE

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STP-1728(500)X

WIN 17285.00

HIGHWAY PLANS

SIGNATURE
P.E. NUMBER
DATE 6-10-11

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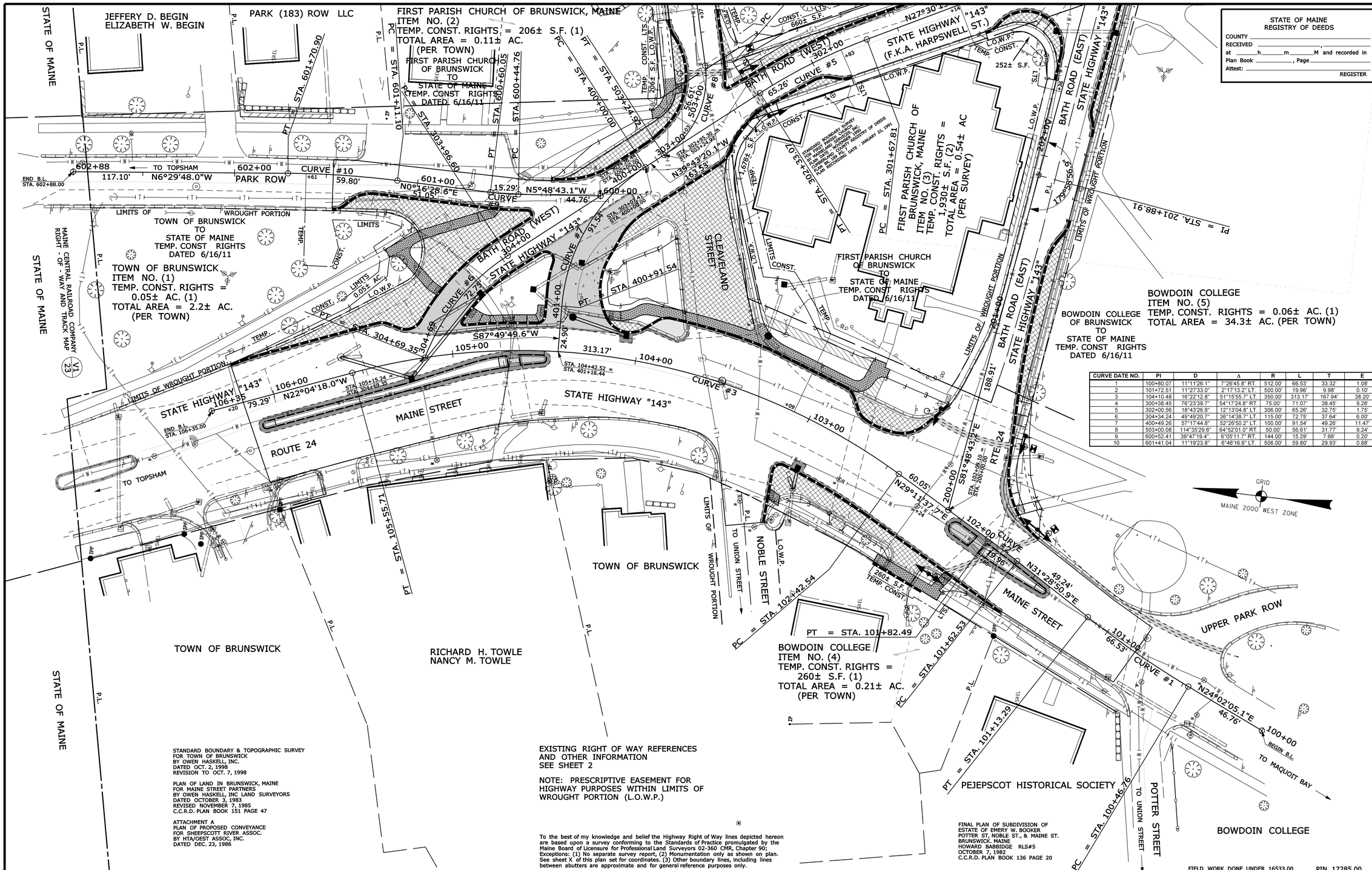
BRUNSWICK
SPANISH WAR MEMORIAL RELOCATION
LANDSCAPING PLANS

SHEET NUMBER
35
OF 37




STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____, _____
at _____h_____m_____M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

| CURVE DATE NO. | PI | D | Δ | R | L | T | E |
|---|---|---|---|---|---|---|---|
| 1 | 100+80.07 | 11°11'26.1" | 7°26'45.8" RT. | 512.00' | 66.53' | 33.32' | 1.08' |
| 2 | 101+72.51 | 11°27'33.0" | 2°17'13.2" LT. | 500.00' | 19.96' | 9.98' | 0.10' |
| 3 | 104+10.48 | 16°22'12.8" | 51°15'55.7" LT. | 350.00' | 313.17' | 167.94' | 38.20' |
| 4 | 300+38.45 | 76°23'39.7" | 54°17'24.8" RT. | 75.00' | 71.07' | 38.45' | 9.28' |
| 5 | 302+00.56 | 18°43'26.8" | 12°13'04.8" LT. | 306.00' | 65.26' | 32.75' | 1.75' |
| 6 | 304+34.24 | 49°49'20.7" | 36°14'38.7" LT. | 115.00' | 72.75' | 37.64' | 6.00' |
| 7 | 400+49.26 | 57°17'44.8" | 52°26'50.2" LT. | 100.00' | 91.54' | 49.26' | 11.47' |
| 8 | 503+00.08 | 114°35'29.6" | 64°52'01.0" RT. | 50.00' | 56.61' | 31.77' | 9.24' |
| 9 | 600+52.41 | 39°47'19.4" | 6°05'11.7" RT. | 144.00' | 15.29' | 7.66' | 0.20' |
| 10 | 601+41.04 | 11°19'23.8" | 6°46'16.6" LT. | 506.00' | 59.80' | 29.93' | 0.88' |

SYMBOLS
- ● IP or ●IPF (IRON PIPE or PIN FOUND)
- □ S.T. (SEPTIC TANK)
- ⊠ BM (TRAVERSE POINT)
- ○WELL (WELL)
- GRADING LIMIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- PL
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

| ITEM | TECH | CHECKED |
|---|---|---|
| BASE MAP | | |
| EXIST. R/W | G.L.L. | C.W.K. |
| PROP. LINES | G.L.L. | |
| AREAS | G.L.L. | |

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
BRUNSWICK
RIGHT OF WAY MAP

FIELD WORK DONE UNDER 16533.00 PIN 17285.00

**REVISIONS**

| NO. | DATE | DESCRIPTION | BY |
|---|---|---|---|
| | | | |

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

DAVID A. COLE
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

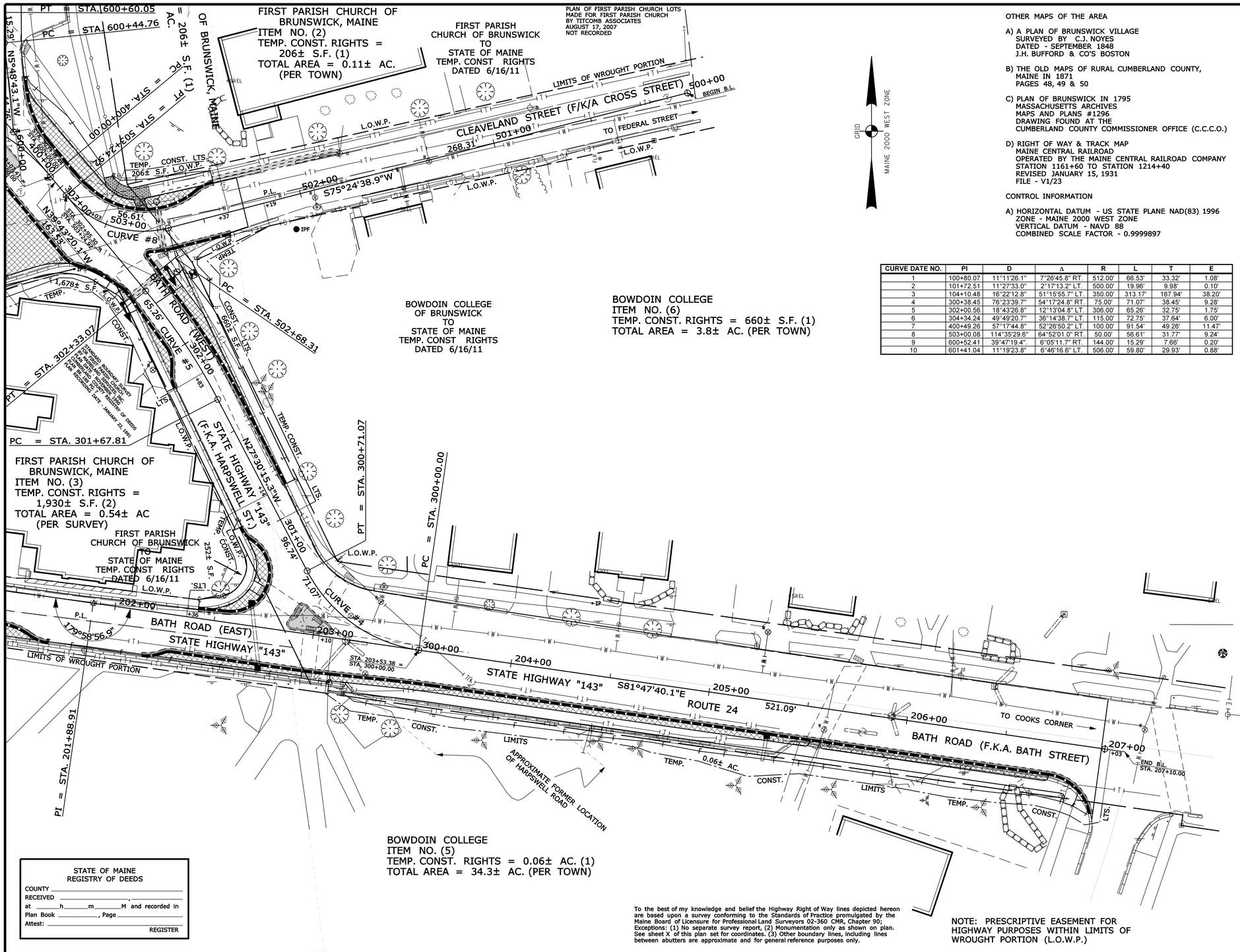
STATE OF MAINE
CHRISTOPHER W. KNIGHT 2257
PROFESSIONAL LAND SURVEYOR

STATE HIGHWAY "143"
ROUTE 24\MAINE STREET\BATH ROAD
BRUNSWICK CUMBERLAND COUNTY
FEDERAL AID PROJECT NO. STP-1728(500)X

SEPTEMBER 2010 | RIGHT-OF-WAY MAP
SCALE 1" = 25' | SHEET 1 OF 2
D.O.T. FILE NO. 3-568

SHEET NUMBER
36
OF 37

Filename: ...\00\ROW\MSTA\036_RWPLAN1.dgn Division: ROW Username: diana.grady Date:6/21/2011




OTHER MAPS OF THE AREA

A) A PLAN OF BRUNSWICK VILLAGE
SURVEYED BY C.J. NOYES
DATED - SEPTEMBER 1848
J.H. BUFFORD & CO'S BOSTON

B) THE OLD MAPS OF RURAL CUMBERLAND COUNTY, MAINE IN 1871
PAGES 48, 49 & 50

C) PLAN OF BRUNSWICK IN 1795
MASSACHUSETTS ARCHIVES
MAPS AND PLANS #1296
DRAWING FOUND AT THE
CUMBERLAND COUNTY COMMISSIONER OFFICE (C.C.C.O.)

D) RIGHT OF WAY & TRACK MAP
MAINE CENTRAL RAILROAD
OPERATED BY THE MAINE CENTRAL RAILROAD COMPANY
STATION 1161+60 TO STATION 1214+40
REVISED JANUARY 15, 1931
FILE - V1/23

CONTROL INFORMATION

A) HORIZONTAL DATUM - US STATE PLANE NAD(83) 1996
ZONE - MAINE 2000 WEST ZONE
VERTICAL DATUM - NAVD 88
COMBINED SCALE FACTOR - 0.9999897

| CURVE DATE NO. | PI | D | Δ | R | L | T | E |
|---|---|---|---|---|---|---|---|
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EXISTING RIGHT OF WAY REFERENCES

1) MAINE STREET
A) TOWN OF BRUNSWICK
VOLUME 4, PAGE 203-205
DECEMBER 3, 1844
VARIOUS WIDTHS
B) CUMBERLAND COUNTY COMMISSIONERS RECORDS
PLAN OF A PORTION OF MAINE STREET
REDEFINED
HEARING DATE JULY 31, 1968
PLAN DATE OCTOBER 28, 1970
NO RECORD OF THIS PLAN BEING ACCEPTED
BY THE CUMBERLAND COUNTY COMMISSIONERS
PLAN IS ON FILE AT THE BRUNSWICK PUBLIC WORKS
C) PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)
D) THE ORIGINAL 12 ROD ROAD WAS CONSTRUCTED BY ORDER OF THE PEJEPSCOT PROPRIETORS
JUNE 3, 1717
2) CLEAVELAND STREET
A) TOWN OF BRUNSWICK
VOLUME 7 PAGES 8 & 60
1891
B) PLAN SHOWING STREET LINES IN REFERENCE TO NORTH SIDE OF FIRST PARISH CHURCH
BRUNSWICK, MAINE
ATTRIBUTED TO D.C. CAMPBELL IN 1891
ACCEPTED BY BRUNSWICK SELECTMAN AS ARTICLE 2
MAY 27,1891
C) TOWN OF BRUNSWICK
VOLUME 5, PAGE 376
1869
D) PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)
3) BATH ROAD
A) OLD KINGS HIGHWAY
CUMBERLAND COUNTY COMMISSIONERS RECORDS
VOLUME 1, PAGE 64
1764 4 RODS WIDE (66')
B) MAINEDOT RIGHT OF WAY MAP
"STATE HIGHWAY '143' & STATE AID HIGHWAY NO. 1 & 2, BRUNSWICK", DATED JULY 1998
D.O.T. FILE NO. 3-448, SHEET 1 OF 4
RECORDED ON APRIL 2002 IN PLAN BOOK 202, PAGE 224
C) BATH TURNPIKE
REDEFINED IN 1914
BRUNSWICK TOWN RECORDS
VOLUME 8, PAGE 396
D) LINCOLN COUNTY COMMISSIONERS RECORDS
VOLUME 3, PAGE 323
1805 4 RODS WIDE (66')
4) BATH ROAD (EAST)
A) PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)
5) BATH ROAD (WEST)-(F.K.A. HARPSWELL STREET)
A) PLAN
SHOWING STREET LINES IN REFERENCE TO
NORTH SIDE OF FIRST PARISH CHURCH BRUNSWICK MAINE
ATTRIBUTED D.C. CAMPBELL
MAY 1891
ON FILE AT THE TOWN OF BRUNSWICK
DEPARTMENT OF PUBLIC WORKS
39' WIDE
B) PRESCRIPTIVE EASEMENT FOR
HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT
PORTION (L.O.W.P.)
6) NOBLE STREET
A) PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)
B) PER TOWN CLERK OF BRUNSWICK RECORDS
33' WIDE
7) POTTER STREET
A) PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)
B) PER TOWN CLERK OF BRUNSWICK RECORDS
33' WIDE
8) PARK ROW
A) TOWN OF BRUNSWICK
VOLUME 4, PAGE 203-205
DECEMBER 3, 1844
VARIOUS WIDTHS
B) CUMBERLAND COUNTY COMMISSIONERS RECORDS (C.C.C.R.)
PLAN OF A PORTION OF MAINE STREET
REDEFINED
HEARING DATE JULY 31, 1968
PLAN DATE OCTOBER 28, 1970
NO RECORD OF THIS PLAN BEING ACCEPTED
BY THE CUMBERLAND COUNTY COMMISSIONERS (C.C.C.R.)
PLAN IS ON FILE AT THE BRUNSWICK PUBLIC WORKS
C) PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)
D) THE ORIGINAL 12 ROD ROAD WAS CONSTRUCTED BY ORDER OF THE PEJEPSCOT PROPRIETORS
JUNE 3, 1717
9) HARPSWELL STREET (FORMER LOCATION)
A) RELOCATION OF HARPSWELL STREET
PLAN AND PROFILE
BY GEORGE C. CABOT ASSOC. OF BOSTON, MA
PLAN DATE - JULY 10, 1948
ON FILE AT THE BOWDOIN COLLEGE PHYSICAL PLANT
B) DISCONTINUANCE
TOWN OF BRUNSWICK
VOLUME 15, PAGE 204, ARTICLE 59
MARCH 6, 1948

SYMBOLS
- IP or ● IPF (IRON PIPE or PIN FOUND)
- S.T. (SEPTIC TANK)
- &BM (TRAVERSE POINT)
- (ROW MONUMENT)
- (WELL)
- GROUNDING UNIT LINE
- CONSTRUCTION LIMIT LINE
- PROPERTY LINE
- LIMITS OF WROUGHT PORTION (L.O.W.P.)
- EXISTING RIGHT OF WAY
- NEW RIGHT OF WAY
- NEW ROW WITHIN EXIST. ROW
- CONTROL OF ACCESS
- WATER LINE
- GAS LINE
- ELECTRIC LINE
- TELEPHONE LINE
- SEWER LINE

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____, _____
at _____h_____m_____M and recorded in
Plan Book _____, Page _____
Attest: _____
REGISTER

To the best of my knowledge and belief the Highway Right of Way lines depicted hereon are based upon a survey conforming to the Standards of Practice promulgated by the Maine Board of Licensure for Professional Land Surveyors 02-360 CMR, Chapter 90; Exceptions: (1) No separate survey report, (2) Monumentation only as shown on plan. See sheet X of this plan set for coordinates. (3) Other boundary lines, including lines between abutters are approximate and for general reference purposes only.

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)

FIELD WORK DONE UNDER 16533.00

PIN 17285.00

| ITEM | TECH | CHECKED |
|---|---|---|
| BASE MAP | | |
| EXIST. R/W | G.L.L. | C.W.K. |
| PROP. LINES | G.L.L. | |
| AREAS | G.L.L. | |

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
BRUNSWICK
RIGHT OF WAY MAP

REVISIONS

| NO. | DATE | DESCRIPTION | BY |
|---|---|---|---|
| | | | |

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

| NO. | GRANTOR | INSTRUMENT | DATE | BOOK | PAGE |
|---|---|---|---|---|---|
| | | | | | |

DAVID A. COLE
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE
CHRISTOPHER W. KNIGHT
2257
PROFESSIONAL LAND SURVEYOR

STATE HIGHWAY "143"
ROUTE 24\MAINE STREET\BATH ROAD
BRUNSWICK CUMBERLAND COUNTY
FEDERAL AID PROJECT NO. STP-1728(500)X

| SEPTEMBER 2010 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 3-568 |
|---|---|---|
| SCALE 1" = 25' | SHEET 2 OF 2 | |

SHEET NUMBER
37
OF 37

Filename: ...\00\ROW\MSTA\037_RWPLAN2.dgn Division: ROW Username: diana.grady Date:6/21/2011