ITEM 1

# Town of Kittery Maine
# Town Planning Board Meeting
# February 25, 2016

**ITEM 1 –Memorial Circle and Related Improvement Plan.**
Action: Hold a public meeting and receive public comment.
Maine Department of Transportation (MDOT) Locally Administered Project consultants will discuss the re-design of Memorial Circle and related improvements, including pedestrian access along State Road (U.S. Route 1) to Adams Drive. Representatives from Wright Pierce Engineers, and Gorrill-Palmer traffic engineers, will present progress to date, obtain feedback and answer questions

**Background**

The scope of the proposed improvements, actually two separate state funded LAP (Locally Administered Projects) projects, is to construct: 1) a shared use path along State Road (U.S. Rt. 1{not the Bypass as stated on the plans})with granite curb that extends from Memorial Circle and ends at the Kittery Estates entrance, and may continue, dependent on available funding, to Adams Drive; and 2) Realignment of Memorial Circle, including granite curb, guardrail and multi-use paths and sidewalks to address overall traffic safety and accommodate pedestrian and bicycle traffic.

The goal of the shared multi-use path in these projects is to connect residential neighborhoods to the south and east of Route 236 with the Kittery outlet district, providing a space for foot and non-motor vehicle traffic among outlet patrons and employees.

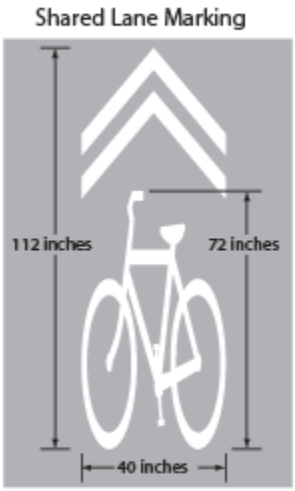
Planning for this proposal began in 2012. Several updates have been made since the last public meeting held on 10/22/2015 (minutes attached).

Don Ettinger, Transportation Manager with Gorrill-Palmer, provided the following updates pertaining to Memorial Circle:

1. Adjustments and modifications (minor) have been made to the roadway, curbing and pavement marking layouts based on comments received by KACTS, Town and MaineDOT's peer review consultant.
2. Reduced the path width from 10' to 8' around the circle.
3. Revised the match line location between the circle and path projects.
4. Revised the design along the east side of the circle (between State Rd and Route 236) to reduce wetland impacts.
5. Reviewed costs associated with changing the base bid and bid alternates for the path work around the circle.
6. Developed a preliminary lighting layout.
7. Developed final guardrail design and layout.
8. Progressed the design towards PIC level plans (final grading impacts). Work included development of drainage layout/design, utility coordination and utility conflict checks.
9. Coordinated with the Dog House property regarding access and parking.

Jennifer Claster, Landscape Architect with Wright-Pierce, provided the following updates pertaining to the shared-use path:

1. The curb will be constructed to the southern edge of the Sunrise Grill as part of the Memorial Circle work, and the path will be added from the northernmost edge of the northern tipdown as part of the first phase of path construction. This was done to allow a cleaner division of work in the event that the path is treated as a bid alternate.
2. After a review of design criteria by Gorrill-Palmer and confirmation by the Town, crosswalks and detectable warning plates have been eliminated from the path crossings of the Sunrise Grill plaza entrance, the entrances to the Mural Building and the entrances to a Perfect Move
3. Stop signs associated with the path have been removed, due to conflicts with existing stop controlled intersections, in accordance with AASHTO
4. The path width has been changed to 8'-0" wide for the whole length
5. The Route One road section includes an 11 foot travel lane and 4 foot shoulder on the side of the road adjacent to the pathway, with corresponding reductions in width to the esplanade next to the pathway, where this applies
6. Beach grass will be planted between the path and Route 1 in front of the Sunrise Grill plaza
7. A stop bar and stop sign have been added at the Rogers Road Extension intersection with Route 1
8. A concrete sidewalk extension has been designed at the corner of Route 1 and Adams Drive, in response to a review comment submitted by the Bicycle Coalition of Maine to DOT
9. The southern driveway entrances to the Mural Building have been restored, though the driveway that crosses in front of the building will be reduced to be wide enough for one-way access only
10. The double driveway entrance has been restored between A Perfect Move and the Mural Building
11. A removable bollard has been located at the Adams Drive end of the pathway to restrict the pathway opening to under 9 feet, as defined by the bollard and the existing curb
12. A sign has been placed facing oncoming bicyclists at the Adams Drive end of the pathway that reads "Caution Trucks Entering"
13. An existing tree guy will be replaced with a guy pole near 190 State Road. An effort will be made to preserve the tree during construction.
14. An existing catch basin will be replaced with a new catch basin at the new curb line at the Kittery Estates driveway
15. DOT has requested that shared lane markings (SLM's) be painted in both directions on Adams Drive, at 300 foot intervals. The sharrows will indicate a continuation of the bike route from the northern end of the shared use path to the intersection of Adams Drive and Route 1. The "Bike Route Ends" sign would be relocated from its current location on the plans near the northern end of the shared use path to the intersection of Adams Drive and Route 1. The plans would incorporate a detail with directions regarding placement within the lane and frequency of sharrows. See example sharrow, below.




**Staff Comments**

Staff, the Town Planner and the Commissioner of Public Works, have met with the owner of former Dog House located along the circle. Staff, working with MDOT and the project consultant engineer, were unable to satisfy the property owner's, (Oscar Boreth) request to maintain 11 parking spaces for property. Commissioner of Public Works met with property owners along State Road/Route 1 just south of Adams Drive and, working with MDOT and project consultant engineer, addressed their issues. Driveway access and widths have been maintained to near existing conditions, narrowed to meet MDOT's minimum standards.

With recent MDOT review, it appears the connection between where the proposed improvements end and the existing sidewalk in the area of the malls via Adams Drive will need some indication of where to travel. An SLM (shared lane markings) is proposed for Adams Drive. Public noticing for this meeting did include property owners along Adams Drive.

Lastly, as staff mentioned at a previous meeting, though MDOT and the project consultants did consider the Board's request for re-organizing the proposed improvements as to make the connection between the malls and the sidewalks along State Road part of the primary construction project rather than a 'bid-alternate', they were unable to find a workable solution to the concern. The area north of the entrance for Kittery Estates remains as a 'bid-alternate' and may not be constructed in this phase of construction if there are insufficient funds available.

Attached are the PDRs for both projects that include plans for your review.

**Board Action**

No formal board action is required. The projects require an opportunity for public input and it was determined that the planning board meeting would be an appropriate venue. After listening to the consultant's presentation and hearing from the public, the Board may want to share any comments they may have on the planned improvements.

BID SET No. _____

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

# TOWN OF KITTERY, MAINE

## DRAFT PIC SUBMISSION TO TOWN

# ROUTE 1 SHARED USE PATH

## KITTERY, ME

## FEBRUARY 2016

## FEDERAL PROJECT NO. STP-1818 400(X)

## MAINE D.O.T. WIN 18184.00

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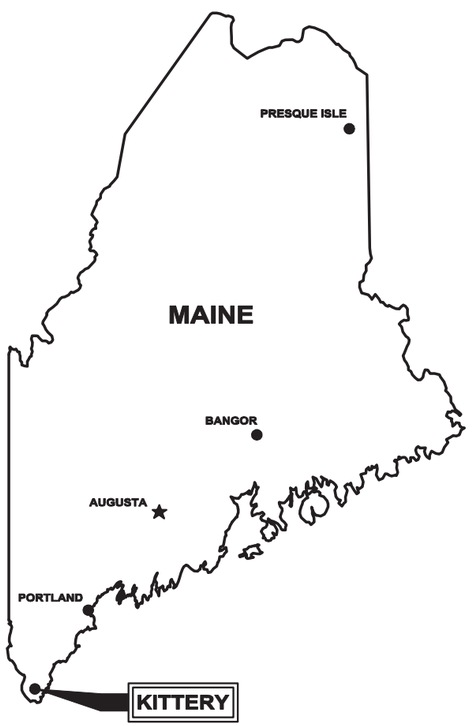

**LOCATION PLAN**
NTS

NOTE:
ALL WORK COMPLETED UNDER THIS CONTRACT SHALL BE GOVERNED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (REVISION OF NOVEMBER 2014), THE STANDARD DETAILS (REVISION OF NOVEMBER 2014), THE SUPPLEMENTAL STANDARD DETAILS FOR CONSTRUCTION THERETO, EXCEPT AS MODIFIED BY THE PLANS, OR SPECIFICATION SPECIAL PROVISIONS.


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FOR REVIEW FEBRUARY 2016

FOR BIDDING _____

WP PROJECT No. 12533A

LAST SAVED BY: CHRIS.CRONIN 2/17/2016 8:50 AM

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# DRAWING INDEX


**GENERAL**

| | |
|---|---|
| ----- | COVER SHEET |

**CIVIL**

| | |
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| C-23 | EROSION CONTROL NOTES AND DETAILS |


# CIVIL ABBREVIATIONS

| | |
|---|---|
| & | AND |
| ø, DIA | DIAMETER |
| #, NO | NUMBER |
| APP'D | APPROVED |
| BLDG | BUILDING |
| CB | CATCH BASIN |
| CEN | CENTER |
| CFS | CUBIC FEET PER SECOND |
| CI | CAST IRON |
| CL | CENTERLINE |
| CMP | CORRUGATED METAL PIPE |
| CO | CLEANOUT |
| CONC | CONCRETE |
| COR | CORNER |
| CY | CUBIC YARD |
| DEMO | DEMOLITION |
| DMH | DRAIN MANHOLE |
| DI | DUCTILE IRON |
| DR | DRAIN |
| DWG | DRAWING |
| EL | ELEVATION |
| EMH | ELECTRIC MANHOLE |
| FM | FORCE MAIN |
| FT | FEET |
| G | GAS |
| HYD | HYDRANT |
| IN | INCH |
| INF | INFLUENT |
| INV | INVERT |
| LBS | POUNDS |
| MAX | MAXIMUM |
| MH | MANHOLE |
| MIN | MINIMUM |
| MW | MONITORING WELL |
| N | NORTH |
| NGVD | NATIONAL GEODETIC VERTICAL DATUM |
| N/A | NOT AVAILABLE/APPLICABLE |
| NTS | NOT TO SCALE |
| OD | OUTSIDE DIAMETER |
| PC | PERFORATED CLAY |
| PSF | POUNDS PER SQUARE FOOT |
| PSI | POUNDS PER SQUARE INCH |
| PS | PRIMARY SLUDGE |
| PT | POINT OF TANGENCY |
| PVC | POLYVINYL CHLORIDE |
| RCP | REINFORCED CONCRETE PIPE |
| RD | ROOF DRAIN |
| REQ'D | REQUIRED |
| S | SLOPE, SEWER |
| SD | STORM DRAIN |
| SF | SQUARE FEET |
| SMH | SANITARY SEWER MANHOLE |
| SQ | SQUARE |
| STA | STATION |
| T, XFMR | TRANSFORMER |
| TBM | TEMPORARY BENCH MARK |
| THK | THICKNESS |
| TOS | TOP OF STRUCTURE |
| TYP | TYPICAL |
| UD | UNDERDRAIN |
| UG | UNDERGROUND |
| UGE | UNDERGROUND ELECTRIC |
| VC | VITRIFIED CLAY |
| W/ | WITH |
| W | POTABLE WATER |

# LEGEND

| EXISTING | | PROPOSED |
|---|---|---|
| | PROPERTY/ROW LINE | |
| | SETBACK LINE | |
| | EASEMENT LINE | |
| | CENTERLINE | |
| | EDGE OF PAVEMENT | |
| | CURBING | |
| | EDGE OF GRAVEL | |
| | EDGE OF CONCRETE | |
| 122 | CONTOUR | 123 |
| | BUILDING | |
| | STONEWALL | |
| | TREELINE | |
| | CHAIN LINK FENCE | |
| | STOCKADE FENCE | |
| | BARB WIRE FENCE | |
| | RETAINING WALL | |
| | GUARDRAIL | |
| 8" S | SEWER | 8"S |
| 4" FM | SEWER FORCE MAIN | 4"FM |
| 4" G | GAS | 4"G |
| 4" W | WATER | 8"W |
| 15" SD | STORM DRAIN | 15"SD |
| 6" UD | UNDERDRAIN | 6"UD |
| 12" CMP | CULVERT | 12" CMP |
| UGE | UNDERGROUND ELECTRIC | UGE |
| OHE | OVERHEAD ELECTRIC | OHE |
| | IRON PIPE/REBAR | |
| | DRILLHOLE | |
| | MONUMENT | |
| | SURVEY CONTROL POINT | |
| x 124.6 | SPOT ELEVATION | x 134.5 |
| SMH | SEWER MANHOLE | SMH |
| DMH | DRAINAGE MANHOLE | DMH |

# LEGEND (CONT)

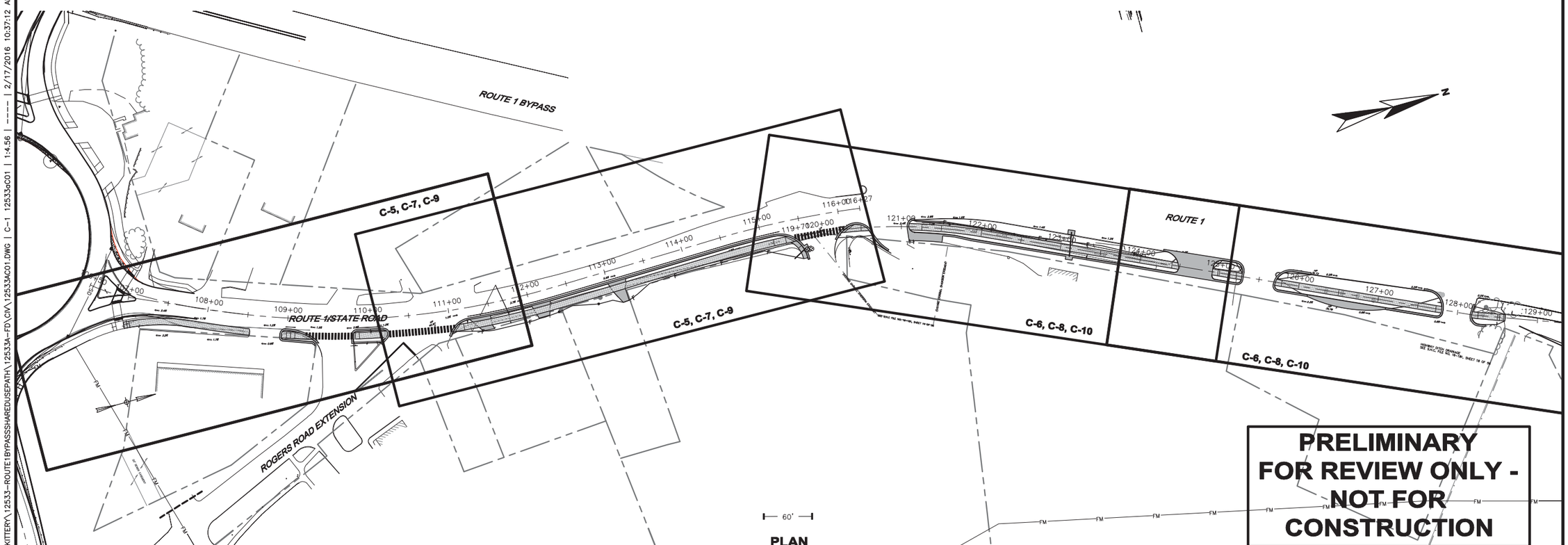
| EXISTING | | PROPOSED |
|---|---|---|
| CB CB | CATCH BASIN | CB CB |
| EMH | ELECTRIC MANHOLE | EMH |
| TMH | TELEPHONE MANHOLE | TMH |
| | GATE VALVE | |
| | CURB STOP | |
| | YARD HYDRANT | |
| | HYDRANT | |
| | UTILITY POLE | |
| | UTILITY POLE W/ GUY | |
| | UTILITY POLE W/ LIGHT | |
| | LIGHT POLE | |
| | BOLLARD | |
| | FLAGPOLE | |
| | CONIFEROUS TREE | |
| | DECIDUOUS TREE | |
| | SHRUB | |
| | EDGE OF WATER | |
| | STREAM | |
| | EDGE OF WETLANDS | |
| | FLOODPLAIN | |

# LEGEND (CONT)

| EXISTING | | PROPOSED |
|---|---|---|
| | WETLANDS | |
| | DRAINAGE FLOW | |
| | DRAINAGE SWALE | |
| | PAVEMENT MARKINGS | |
| | SIGN | |
| MB | MAILBOX | |
| | TEMPORARY BENCH MARK | |
| TP-2 | TEST PIT | |
| B-3 | TEST BORING | |
| P-4 | TEST PROBE | |
| MW | MONITORING WELL | |
| | LIMIT OF WORK | |
| | SILT FENCE | |
| | RIPRAP | |
| | RAILROAD | |
| | MATCHLINE | |
| | ROCK OUTCROP | |

**GRAPHIC SCALE NOTE**

EACH PLAN AND SECTION VIEW IS PROVIDED WITH A GRAPHIC BAR SCALE SIMILAR TO THAT INDICATED HEREIN. 40' IF THE BAR SCALE IS NOT PRESENT ON ANY PLAN OR SECTION THE CONTRACTOR SHALL NOTIFY THE ENGINEER. DRAWING SCALES ARE PROVIDED FOR THE CONTRACTORS USE, HOWEVER, ALL SPECIFICALLY INDICATED DIMENSIONS TAKE PRECEDENCE OVER THIS GRAPHIC SCALE.




**PLAN**
SCALE: 1"=60'

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |

DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

DRAWING INDEX, SITE KEY PLAN, LEGEND AND ABBREVIATIONS

DRAWING
C-1

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## GENERAL NOTES

1. THE CONTRACTOR IS REFERRED TO THE SPECIFICATIONS REGARDING COORDINATION WITH OTHERS, INCLUDING RESPONSIBILITIES AND RELATED COSTS. THE CONTRACTOR SHALL COORDINATE ALL UTILITY ADJUSTMENTS AS NECESSARY WITH EACH RESPECTIVE UTILITY.

2. BELOW GRADE UTILITY INFORMATION IS BASED ON INFORMATION PROVIDED BY EACH UTILITY. LOCATION OF PUBLIC UTILITIES SHOWN IS ONLY APPROXIMATE AND MAY NOT BE COMPLETE. PRIVATE UNDERGROUND UTILITIES SUCH AS, BUT NOT LIMITED TO, SEWER LINES, WATER LINES AND BURIED ELECTRICAL SERVICE ENTRANCES ARE NOT SHOWN. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING UTILITIES IN THE FIELD WITH THE RESPECTIVE UTILITY COMPANY REPRESENTATIVE PRIOR TO COMMENCING WORK. REFER TO THE SPECIFICATIONS. NO GUARANTEE IS MADE THAT UTILITIES OR STRUCTURES WILL BE ENCOUNTERED WHERE SHOWN OR THAT ALL UNDERGROUND UTILITIES AND STRUCTURES ARE SHOWN. ALL LOCATIONS AND SIZES OF EXISTING UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD WITH TEST PITS AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION OF NEW FACILITIES OR PIPING THAT MAY BE AFFECTED. ADDITIONAL TEST PITS, BEYOND THOSE SHOWN, MAY BE REQUIRED. THE CONTRACTOR WILL REALIGN NEW PIPE LOCATIONS AS REQUIRED TO CONFORM TO EXISTING LINES AND AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL NOTIFY DIG SAFE PRIOR TO DIGGING.

   UTILITY CONTACTS ARE AS FOLLOWS:

| | | | |
|---|---|---|---|
| CENTRAL MAINE POWER COMPANY:<br>ATTN: WAYNE BROWN<br>TEL. (207) 242-0673 | KITTERY WASTEWATER DEPARTMENT:<br>ATTN: GEORGE KATHIOS<br>TEL. (207) 439-4646 | COMCAST:<br>ATTN: GEORGE KIRKWOOD<br>TEL. (603) 679-5695 EXT.1007 | DIGSAFE:<br>1-888-DIG-SAFE |
| FAIRPOINT COMMUNICATIONS:<br>ATTN: DAVID KESTNER<br>TEL. (603) 703-9311 | KITTERY WATER DISTRICT:<br>ATTN: MIKE ROGERS<br>TEL. (207) 451-8316 | TOWN OF KITTERY:<br>DEPARTMENT OF PUBLIC WORKS<br>ATTN: NORMAN ALBERT<br>TEL. (207) 475-3496 | UNITIL:<br>JOE RENDA<br>TEL. (207)541-2568 |

3. MAINE DEPARTMENT OF TRANSPORTATION (MaineDOT) PROJECT IDENTIFICATION NUMBER: WIN # 18184.00.

4. THE CONTRACTOR SHALL USE DETAILS AS SHOWN ON PLANS FOLLOWED BY MaineDOT STANDARD DETAILS AS APPLICABLE. ALL STANDARD DETAILS ARE IN THE "STATE OF MAINE DEPARTMENT OF TRANSPORTATION STANDARD DETAILS" LATEST REVISION.

5. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

6. THE CONTRACTOR SHALL TAKE PRE-CONSTRUCTION PHOTOGRAPHS AND PROVIDE COPIES TO THE OWNER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL MAKE SURE TO INCLUDE ALL PRIVATE PROPERTY THAT MAY BE IMPACTED BY THE PROJECT.

7. THE CONTRACTOR SHALL FURNISH AND MAINTAIN A TELEPHONE NUMBER WHERE HE CAN BE REACHED 24 HOURS A DAY, 7 DAYS A WEEK, UNTIL THE PROJECT IS COMPLETE.

8. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW AT ALL TIMES. THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN TO THE OWNER PER MaineDOT SPECIFICATION 652.3.3. THE LOCAL POLICE DEPARTMENT AND FIRE DEPARTMENT ARE TO BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY STREET CLOSING OR DETOUR.

9. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES AS NECESSARY IN ACCORDANCE WITH MAINEDOT REQUIREMENTS. THE CONTRACTOR SHALL RESET OR REPLACE EXISTING STREET & TRAFFIC SIGNS DISTURBED BY THE CONTRACTOR'S OPERATIONS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.). THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE TOWN OF KITTERY'S PUBLIC WORKS DEPARTMENT. REGULATORY SIGNS SHALL BE TEMPORARILY MOUNTED CLOSELY TO THEIR ORIGINAL LOCATION UNTIL SUCH TIME AS THEY CAN BE PERMANENTLY REMOUNTED.

10. THE CONTRACTOR SHALL REVIEW AND COORDINATE THE LOCATION AND LIMITS OF ALL ON-SITE WORK AND STORAGE AREAS WITH THE OWNER AND ENGINEER, AND THESE AREAS SHALL BE FOUND ACCEPTABLE BY THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL LIMIT HIS ACTIVITIES TO THESE AREAS.

11. TEST PITS ARE REQUIRED WHERE SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. ALL TEST PITS SHALL BE EXCAVATED PRIOR TO CONSTRUCTION LAYOUT, AND PRIOR TO INSTALLING STORM DRAIN AND CULVERTS. THE CONTRACTOR IS RESPONSIBLE FOR RECORDING INFORMATION OBTAINED FROM TEST PITS AND RELAYING THAT INFORMATION TO THE ENGINEER. ADJUSTMENTS TO INVERTS, LENGTHS, ALIGNMENTS, AND SLOPES OF PROPOSED STORM DRAIN MAY BE REQUIRED AS DIRECTED BY THE ENGINEER. TEST PITS ARE NOT TO BE BACKFILLED WITHOUT THE ENGINEER'S PERMISSION.

12. THE CONTRACTOR SHALL NOT HAVE ANY RIGHT OF PROPERTY IN ANY MATERIALS TAKEN FROM ANY EXCAVATION. SUITABLE EXCAVATED MATERIAL MAY BE INCORPORATED INTO THE PROJECT. THE CONTRACTOR SHALL REMOVE AND RETURN TO THE TOWN USEABLE EXCESS EXCAVATED MATERIAL THAT IS NOT REUSED WITHIN THE PROJECT AND SHALL COORDINATE THE LOCATION FOR EXCESS MATERIAL WITH THE OWNER. THESE PROVISIONS SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS OBLIGATIONS TO PROPERLY DISPOSE OF AND REPLACE ANY MATERIAL DETERMINED BY THE OWNER TO BE UNSUITABLE FOR BACK FILLING. THE CONTRACTOR SHALL DISPOSE OF UNSUITABLE AND EXCESS MATERIAL IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE CONTRACT DOCUMENTS. USE OF EXCAVATED MATERIAL IS PAID FOR ONLY AS COMMON BORROW. PLACEMENT OF SAID MATERIAL IS CONSIDERED PART OF THAT ITEM ALSO.

13. IN THOSE INSTANCES WHERE POWER OR TELEPHONE POLE SUPPORT IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR NOTIFICATION TO CENTRAL MAINE POWER COMPANY OR FAIRPOINT COMMUNICATIONS, RESPECTIVELY.

14. ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO THE TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. INJURY TO ANY SUCH STRUCTURES CAUSED BY, OR RESULTING FROM, THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE RESPECTIVE UTILITY.

15. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY PRESSURE REDUCING VALVE STRUCTURES WITH THE KITTERY WATER DISTRICT AND USE CAUTION IN WORKING IN THOSE AREAS.

16. ALL EXISTING SEWER, STORM DRAIN AND WATER LINES WHICH ARE NOT BEING REPLACED UNDER THESE CONTRACT DRAWINGS ARE TO REMAIN IN SERVICE UNLESS OTHERWISE INDICATED. ANY EXISTING SEWERS, STORM DRAIN LINES, WATER LINES, OR CULVERTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER OR UTILITY OWNERS, EXCEPT WHEN IN DIRECT CONFLICT WITH A PROPOSED STORM DRAIN LINE OR WHEN NOT SHOWN OR INDICATED.

17. THE CONTRACTOR IS TO STAKE OUT SIDEWALKS AND TO CONTACT THE KITTERY WATER DISTRICT TO ALLOW FOR THE UTILITY TO RELOCATE THEIR AFFECTED CURB STOPS AND WATER SERVICES PRIOR TO FINISH PAVING.

18. ALL EXISTING WATER SYSTEM GATE VALVES SHALL BE OPERATED BY THE KITTERY WATER DISTRICT. THE CONTRACTOR SHALL COORDINATE WITH THE KITTERY WATER DISTRICT FOR ANY WORK REQUIRING SHUTDOWN OF THE WATER MAIN.

19. THE KITTERY WATER DISTRICT WILL BOTH REPAIR ALL VALVE BOXES THAT ARE IN NEED OF REPLACEMENT AND ALSO RAISE THESE TO GRADE PRIOR TO HOT TOP/CONCRETE INSTALLATION, AND WILL MAKE ALL ADJUSTMENTS TO THE WATER SYSTEM. IF THE WATER DISTRICT DETERMINES THE CONTRACTOR SHALL INSTALL NEW VALVE BOXES AND COVERS, THE WATER DISTRICT WILL PROVIDE THE NEW VALVE BOXES AND COVERS, AND WILL PAY FOR THEIR INSTALLATION OUTSIDE OF THIS CONTRACT. THE CONTRACTOR IS TO COORDINATE DIRECTLY WITH THE KITTERY WATER DISTRICT ON PAYMENT TIMING, AND REQUIREMENTS FOR THIS WORK.

20. THE CONTRACTOR SHALL INSULATE WITH 2" RIGID BOARD INSULATION OVER ANY GRAVITY SEWER, WATER MAINS, OR WATER SERVICE LINES WHEN COVER IS LESS THAN 5 FT, OR THERE IS LESS THAN 2 FT BETWEEN THE SEWER OR WATER MAIN AND A CULVERT.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF EROSION. ALL DISTURBED EARTH SURFACES ARE TO BE STABILIZED IN THE SHORTEST PRACTICAL TIME AND TEMPORARY EROSION CONTROL DEVICES SHALL BE EMPLOYED UNTIL SUCH TIME AS ADEQUATE SOIL STABILIZATION HAS BEEN ACHIEVED. TEMPORARY STORAGE OF EXCAVATED MATERIAL IS TO BE IN A MANNER THAT WILL MINIMIZE EROSION. THE CONTRACTOR SHALL DISPOSE OF UNSUITABLE EXCAVATED MATERIAL AT A SITE PROVIDED BY HIM WHICH IS IN COMPLIANCE WITH ALL STATE AND LOCAL LAWS. MATERIALS AND METHODS USED FOR TEMPORARY EROSION CONTROL SHALL BE AS SPECIFIED BY MaineDOT.

22. ALL STORM DRAINAGE OUTLETS SHALL BE PROTECTED BY HAY BALE FILTERS (OR SIMILAR DEVICES) TO PREVENT ENTRY OF SEDIMENT FROM RUNOFF WATERS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL COLLECTED SEDIMENT, AND THAT WHICH COLLECTS IN THE STORM DRAIN SYSTEM UNTIL THE PROJECT IS SUBSTANTIALLY COMPLETE AND READY FOR FINAL PAYMENT. FLUSHING AND CLEANING OF THE STORM DRAIN SYSTEM PRIOR TO THE TOWN'S ACCEPTANCE IS INCIDENTAL TO THE CONTRACT.

23. THE CONTRACTOR SHALL CONTROL DUST ITO A TOLERABLE LIMIT AS DETERMINED BY THE RESIDENT ENGINEER OR TOWN. THE CONTRACTOR SHALL NOT TRACK OR SPILL EARTH OR DEBRIS ON PUBLIC STREETS OUTSIDE THE PROJECT AREA. STREETS OPENED TO THE PUBLIC SHALL BE KEPT SWEPT AND FREE OF DEBRIS. DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO ITEM 625.25.

24. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PREVENT LOSS OF BASE MATERIALS FOR SIDEWALK CONSTRUCTION THROUGH ADJACENT GRANITE CURBING BY INSTALLING FILTER FABRIC BEHIND ALL GRANITE CURB JOINTS AS SPECIFIED AND AS INDICATED ON THE PLANS. FILTER FABRIC SHALL BE INCIDENTAL TO ITEM 609.11.

25. THE CONTRACTOR SHALL CONSTRUCT TRANSITION RAMPS AT ENDS OF ALL SIDEWALKS, DRIVEWAYS, AND ROADWAYS. DETECTABLE WARNING DEVICES SHALL BE INSTALLED ON ALL SIDEWALK TRANSITION RAMPS AT ROADWAY INTERSECTIONS AND AS OTHERWISE SHOWN ON THE PLANS. SIDEWALKS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).

26. ANY PAVEMENT TO BE REMOVED SHALL BE SAWCUT PRIOR TO REMOVAL. PAVEMENT IS TO BE SAW CUT AT ALL SIDE ROADS, SIDEWALKS, PARKING AREAS, PAVED DRIVES, AND FOR INSTALLATION OF NEW CURBING. SHIPLAP JOINTS SHALL BE USED IN ROADWAYS AND SHOULDERS.

27. SAW CUTTING IS INCIDENTAL TO PAVING. THERE SHALL BE NO SEPARATE PAYMENT FOR SAWCUTTING.

28. STONE, CONCRETE STRUCTURES, AND PAVEMENT AREAS TO BE CUT, GROUND AND OVERLAID SHALL RECEIVE A TACK COAT PRIOR TO NEW PAVEMENT PLACEMENT. RATE OF TACK COAT APPLICATION SHALL BE NOT LESS THAN 0.15 GAL/SY WITHOUT BEING RUNNY.

29. THE CONTRACTOR SHALL COORDINATE PAVING WITH THE OWNER. ALL CATCH BASINS, SEWER MANHOLES, AND OTHER BURIED FACILITIES WITH SURFACE ACCESS SHALL BE ADJUSTED TO MATCH FINAL GRADES BY TOWN CREWS PRIOR TO PLACEMENT OF SURFACE PAVEMENT, UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL PAVE AROUND THE ADJUSTED FACILITIES.

30. THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING SIGNS AND MAILBOXES THAT ARE LEGALLY WITHIN THE RIGHT OF WAY AND INTERFERE WITH THE NEW CURB OR SIDEWALK AS DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS.

31. OPEN TRENCHES IN THE ROADWAY MUST BE BACKFILLED AT THE END OF THE WORKDAY, UNLESS PERMISSION IS GIVEN IN WRITING BY THE OWNER AND MaineDOT.

32. THE CONTRACTOR SHALL PRODUCE AND FURNISH PROJECT RECORDS AS REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING, BUT NOT LIMITED TO CONSTRUCTION SCHEDULES, BONDS, SHOP DRAWINGS, WARRANTIES, GUARANTEES, CERTIFICATIONS, "AS-BUILT" DRAWINGS AND OTHER SUBMITTALS.

33. PATHS AND SIDEWALKS SHALL NOT BE INSTALLED UNTIL THE KITTERY WATER DISTRICT HAS RELOCATED THE AFFECTED EXISTING CURB STOPS AND EXISTING WATER SERVICES.

34. THE CONTRACTOR SHALL PROVIDE NOTIFICATION TO KITTERY PUBLIC WORKS, WATER DISTRICT, AND SEWER DEPARTMENT AT LEAST THREE DAYS PRIOR TO COMMENCING WORK

35. NEW DRAINAGE STRUCTURES AND EXISTING DRAINAGE STRUCTURES TO BE ALTERED OR REBUILT ARE TO BE CLEANED BY THE CONTRACTOR AND THE MATERIAL TO BE DISPOSED OF PER TOWN ORDINANCE. THERE WILL BE NO PAYMENT FOR CLEANING NEW, ALTERED, ADJUSTED, OR REBUILT CATCH BASINS.

36. THE TOWN SHALL BE RESPONSIBLE FOR OBTAINING THE PERMITS REQUIRED BY THE STATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF THE PERMITS AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION. COPIES OF ALL OBTAINED PERMITS ARE AVAILABLE FOR REVIEW AT THE TOWN OFFICE. ALL OTHER PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

37. FLOWS FROM DEWATERING EFFORTS SHALL NOT BE DISCHARGED TO SANITARY OR COMBINED SEWERS.

38. THE CONTRACTOR SHALL RESTORE ALL PRIVATE PROPERTY DISTURBED DURING CONSTRUCTION TO PRE-CONSTRUCTION CONDITION OR BETTER. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO MINIMIZE DISTURBANCE TO PRIVATE PROPERTY. ALL REPAIRS TO PRIVATE PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED AT NO ADDITIONAL EXPENSE TO THE OWNER.

43. FENCES AND WALLS THAT ARE REMOVED FOR THE CONTRACTOR'S ACCESS ARE TO BE REINSTALLED. THIS IS AN INCIDENTAL WORK ITEM AND SHALL BE AT NO ADDITIONAL EXPENSE TO THE OWNER.

44. ALL AREAS THAT ARE EXCAVATED, FILLED, OR OTHERWISE DISTURBED BY THE CONTRACTOR WHICH ARE NOT TO BE PAVED OR FINISHED WITH BARK MULCH SHALL BE LOAMED, GRADED, LIMED, FERTILIZED, SEEDED, AND MULCHED, UNLESS OTHERWISE NOTED. THE TOP 4 INCHES OF SOIL SHALL BE LOAM. THE CONTRACTOR SHALL WATER THE SEEDED AREA TO AID IN THE ESTABLISHMENT OF THE NEW SEED.

45. THE CONTRACTOR IS TO TAKE SPECIAL CARE NOT TO DAMAGE TREES WITHIN THE CONSTRUCTION AREA UNLESS THEY ARE NOTED TO BE REMOVED. TREES TO BE REMOVED ARE TO HAVE THE STUMPS REMOVED AND THE RESULTING PIT SHALL BE LOAMED AND SEEDED.

46. THE CONTRACTOR SHALL REMOVE AND REPLACE, OR REPAIR, ALL CURBS, SIDEWALKS, PAVEMENT AND OTHER ITEMS DAMAGED BY HIS CONSTRUCTION ACTIVITIES TO AT LEAST THEIR ORIGINAL CONDITION, AND TO THE SATISFACTION OF THE TOWN AND ENGINEER.

47. AREAS DISTURBED BY THE CONTRACTOR OUTSIDE OF THE WORK LIMITS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL EXPENSE TO THE TOWN.

48. THE CONTRACTOR SHALL MINIMIZE CLEARING OPERATIONS. CLEARING AND GRUBBING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. CLEARING LIMITS SHALL BE AS INDICATED ON THE DRAWINGS, BUT AT ALL TIMES WITHIN EXISTING ROAD RIGHTS-OF-WAY AND PROPERTY LINES ON STAE OR TOWN-OWNED PROPERTY OR EASEMENTS. ALL GRUBBING AND STUMPS ARE THE PROPERTY OF THE CONTRACTOR AND WILL BE DISPOSED OF AT A SITE PROVIDED BY CONTRACTOR IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REQUIREMENTS.

49. THE CONTRACTOR SHALL NOT TRACK OR SPILL EARTH, DEBRIS, OR OTHER CONSTRUCTION MATERIAL ON PRIVATE OR PUBLIC STREETS AND DRIVES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE ASSOCIATED CLEAN-UP.

50. COMPACTION TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS. ANY SETTLEMENT OCCURRING WITHIN ONE YEAR OF SUBSTANTIAL COMPLETION OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

51. INITIAL PAVING SHALL BE CONDUCTED WITHIN TWO WEEKS OF COMPLETION OF PLACEMENT OF FINAL BACKFILL UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER. INITIAL PAVEMENT SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR UNTIL FINAL PAVEMENT IS PLACED. FINAL PAVEMENT MAY BE PLACED OVER THE INITIAL PAVING PROVIDED INITIAL PAVING COURSE IS IN GOOD REPAIR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND SHIMMING THE INITIAL PAVEMENT AS NECESSARY TO ACCEPT THE FINAL PAVING COURSE. IF CONDITIONS WARRANT, THE CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE INITIAL PAVING COURSE PRIOR TO FINAL PAVING.

52. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL PROPOSED LINES AND STRUCTURES AS SHOWN ON THE DRAWINGS. THE LAYOUT PLAN SHALL BE REVIEWED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE HORIZONTAL ALIGNMENT OF NEW STORM DRAINS MAY BE ADJUSTED IN THE FIELD SUBJECT TO PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL ELEVATION REFERENCE INFORMATION PRIOR TO USE IN CONSTRUCTION.

53. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS AND EXCESS EXCAVATED MATERIAL NOT DESIRED BY OWNER FROM WITHIN THE CONSTRUCTION LIMIT OF WORK, TO A SUITABLE SITE PROVIDED BY THE CONTRACTOR, IN COMPLIANCE WITH ALL STATE AND LOCAL REGULATIONS. ANY EXCESS SUITABLE MATERIAL MAY REMAIN ON THE SITE AT THE REQUEST OF THE OWNER.

54. THE CONTRACTOR SHALL PROVIDE UNITIL NOTICE 48 HOURS IN ADVANCE OF ANY WORK OCCURRING WITHIN 5'-0" OF ANY EXISTING GAS LINES AND UNITIL WILL DETERMINE WHETHER TO SEND SOMEONE TO THE SITE TO MONITOR THE WORK BEING PERFORMED. THE EXISTING MAIN GAS LINE IS COATED STEEL, 500 LB. LINE. IT IS IMPORTANT TO PRESERVE THE COATING ON THE MAIN LINE AND ALL SERVICE LINES.

## GRADING & DRAINAGE NOTES

1. ALL PROPOSED ROAD, DRIVE, PARKING AND SIDEWALK AREA SURFACES SHALL PITCH 1/4 INCH PER FOOT MINIMUM UNLESS OTHERWISE NOTED. ALL RECONSTRUCTED ROAD, DRIVE, PARKING AND SIDEWALK AREAS SHALL MATCH EXISTING SLOPE CONDITIONS TO THE EXTENT POSSIBLE, UNLESS OTHERWISE NOTED. COORDINATE FINAL GRADING WITH THE ENGINEER.

2. ALL CATCH BASINS AND MANHOLES ARE 4 FT DIAMETER, FLAT SLAB TOP, UNLESS SITE CONDITIONS PERMIT USING AN OFFSET CONE BASIN. THE INVERTS SHOWN ARE AT THE INSIDE FACE OF THE STRUCTURE. THE TOP OF THE CATCH BASIN INLET GRATES AND FRAMES SHALL BE SET FLUSH WITH FINISH GRADE.

3. CATCH BASINS SHALL HAVE CASCADE GRATE AND FRAME UNLESS OTHERWISE NOTED.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE DISPOSAL OF SEDIMENTARY FLOWS RESULTING FROM PRECIPITATION AND HIS CONSTRUCTION OPERATIONS UNTIL THE PROJECT IS SUBSTANTIALLY COMPLETE AND TEMPORARY EROSION CONTROL MEASURES ARE NO LONGER REQUIRED.

5. STORM DRAIN PIPE AND BASIN STRUCTURES SHALL NOT BE INSTALLED CLOSER THAN 3 FEET HORIZONTALLY (CENTER TO CENTER) TO SEWER OR WATER MAINS, REGARDLESS OF DEPTH, UNLESS APPROVED BY THE RESIDENT

6. INSTALL A "LIP" AT EACH DRIVEWAY THAT SLOPES AWAY FROM THE EDGE OF PAVEMENT TO PREVENT ROAD RUNOFF FROM ENTERING DRIVEWAYS.

7. THE CONTRACTOR SHALL REGRADE ALL DISTURBED AREAS, THAT ARE NOT TO BE PAVED, AS NECESSARY FOR POSITIVE DRAINAGE.

8. WHERE APPROPRIATE, MINOR ADJUSTMENTS TO THE ALIGNMENT OF PROPOSED UTILITIES SHALL BE MADE TO ACCOMMODATE EXISTING UTILITIES. COORDINATE ADJUSTMENTS WITH ENGINEER.

## SURVEY & LAYOUT NOTES

1. DO NOT SCALE DRAWINGS UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS AND STATIONING SHALL PREVAIL.

2. RIGHT-OF-WAY INFORMATION IS BASED ON MAPPED RIGHT-OF-WAY PROVIDED BY MaineDOT ON OCTOBER 3, 2013. HORIZONTAL COORDINATE SYSTEM: ME2000 WEST ZONE.

3. SURVEY OF EXISTING SITE FEATURES WAS ORIGINALLY COMPLETED BY TITCOMB ASSOCIATES ON NOVEMBER 16, 2012. BEARINGS WERE REFERENCED TO GRID NORTH, MAINE STATE PLANE COORDINATE SYSTEM, NAD83 (2011), WEST ZONE BASED ON RTK GPS OBSERVATIONS. ELEVATIONS WERE REFERENCED TO NAVD88 BASED ON RTK GPS OBSERVATIONS. OBSERVATIONS WERE ADJUSTED USING THE OPUS INTERNET SOLUTION PROVIDED BY NGS.

4. SURVEY OF EXISTING SITE FEATURES WAS SUPPLEMENTED BY WRIGHT-PIERCE ON APRIL 8, 2013 AND AGAIN IN 2015. HORIZONTAL COORDINATE SYSTEM: NAD83 MAINE STATE PLANE, WEST ZONE U.S. FOOT. VERTICAL DATUM: NAVD88. THE VERTICAL DATUM AND HORIZONTAL COORDINATE SYSTEM WERE ESTABLISHED USING THE MTS RTK ROVER NETWORK.

5. WRIGHT-PIERCE COMBINED THE RIGHT-OF-WAY, TOPOGRAPHIC AND UTILITY SURVEYS TO CREATE THE BASE MAPPING FOR THIS PROJECT. HORIZONTAL COORDINATE SYSTEM: ME2000 WEST ZONE. VERTICAL DATUM: NAVD88.

6. THE UTILITY STRUCTURES AND INVERTS SHOWN WERE DETERMINED BY THE FIELD SURVEY. HOWEVER THE LOCATIONS OF ALL UNDERGROUND UTILITIES WERE NOT ESTABLISHED. TEST PIT LOCATIONS ARE RECOMMENDED TO DETERMINE UNDERGROUND UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

7. TEMPORARY BENCHMARKS ARE SHOWN ON THE PLANS AND THE ENGINEER WILL PROVIDE A PROJECT BENCH MARK AND TRAVERSE POINTS.

8. LAYOUT OF ALL CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROVIDED LAYOUT INFORMATION AND PROJECT BENCHMARKS THROUGHOUT THE COURSE OF CONSTRUCTION. REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE ENGINEER.

9. MaineDOT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHTS OF WAY AND EASEMENTS. THE CONTRACTOR SHALL VERIFY THAT THE NECESSARY EASEMENTS HAVE BEEN SECURED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH EASEMENT AS THEY APPLY TO THE WORK AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION. COPIES OF ALL RIGHTS-OF-WAY AND EASEMENTS WILL BE AVAILABLE FOR REVIEW AT THE TOWN HALL PRIOR TO NOTICE TO PROCEED.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REESTABLISHING AND RESETTING ALL EXISTING PROPERTY MONUMENTATION THAT IS DISTURBED BY HIS OPERATIONS AT NO EXPENSE TO THE OWNER. THIS WORK IS TO BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF MAINE.

11. LIMITS OF WORK IN EXISTING DRIVES ARE APPROXIMATE AS SHOWN ON THE PLANS. ACTUAL LIMITS OF WORK ARE TO BE DETERMINED BY THE CONTRACTOR THE TOWN BASED ON THESE DRAWINGS AND SLOPE AS APPROVED BY THE ENGINEER.

12. CURB CUT LOCATIONS FOR DRIVEWAYS SHALL BE FIELD VERIFIED WITH OWNER. ADJUST CURB CUTS AS DIRECTED BY OWNER.

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |

DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

GENERAL NOTES

DRAWING
C-2

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
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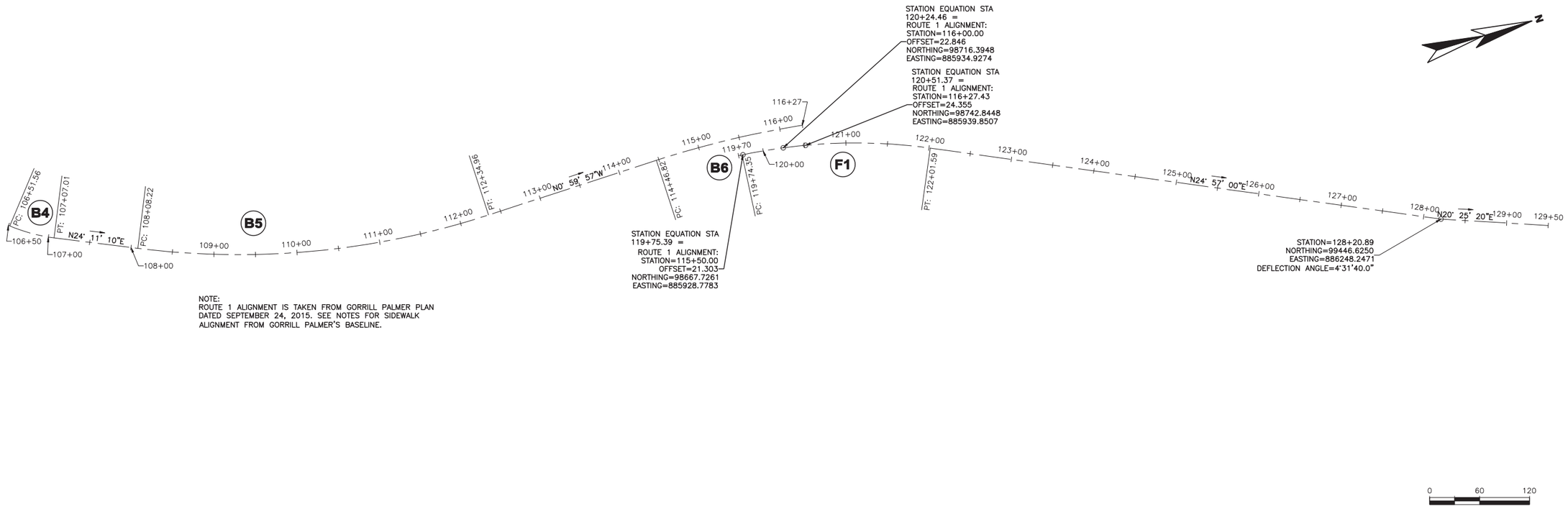
TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

ESTIMATED QUANTITIES

DRAWING
C-3




NOTE:
ROUTE 1 ALIGNMENT IS TAKEN FROM GORRILL PALMER PLAN DATED SEPTEMBER 24, 2015. SEE NOTES FOR SIDEWALK ALIGNMENT FROM GORRILL PALMER'S BASELINE.

CURVE DATA B4
PI = 106+79.44
D = 28° 38' 52.4"
Δ = 15° 52' 20.9" Lt.
R = 200.00'
L = 55.41'
T = 27.88'
E = 1.93'

CURVE DATA B5
PI = 110+25.05
D = 5° 54' 06.9"
Δ = 25° 11' 06.6" Lt.
R = 970.80'
L = 426.73'
T = 216.87'
E = 23.93'

CURVE DATA F1
PI = 120+89.14
D = 8° 48' 04.0"
Δ = 20° 00' 00.0" Lt.
R = 651'
L = 227.242'
T = 114.789'
E = 10.04'

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| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
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DATE: 10-2-15
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PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

TYPICAL LAYOUT PLAN

DRAWING
C-4

LAST SAVED BY: CHRIS.CRONIN 2/17/2016 8:49 AM

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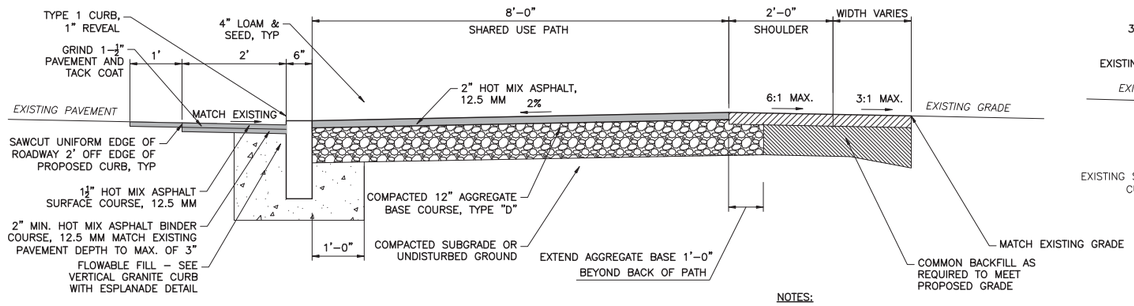



NOTES:

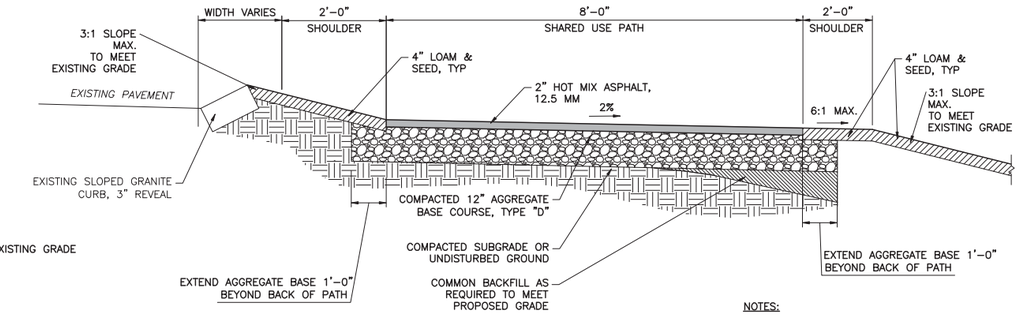
1. SAWCUT OF PAVEMENT SHALL EXTEND MINIMUM OF 2'-0" OFF EDGE OF PROPOSED CURB – MAINTAIN UNIFORM CUT THROUGHOUT PROJECT AREA.

## TYPICAL PATH SECTION STA 120+28 TO STA 120+57

NTS

NOTES:

1. SAWCUT OF PAVEMENT SHALL EXTEND MINIMUM OF 2'-0" OFF EDGE OF PROPOSED CURB

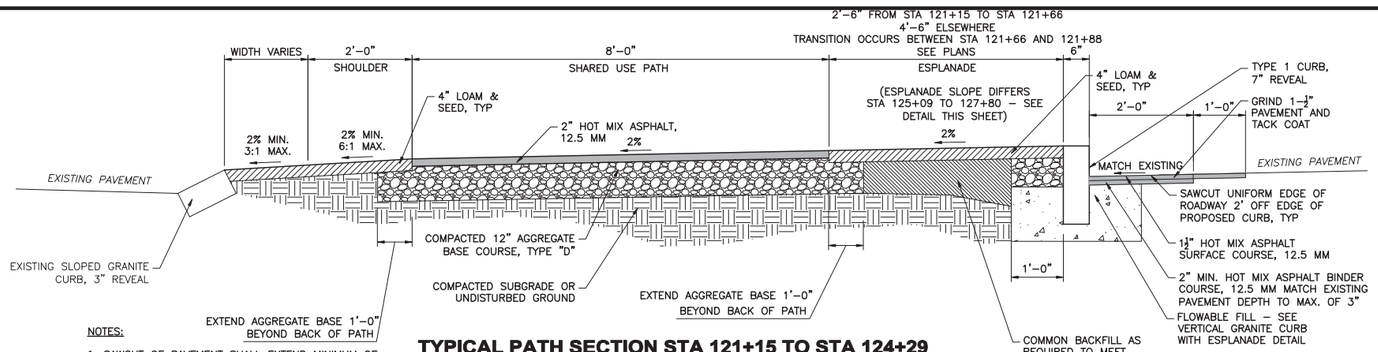



NOTES:

1. SAWCUT OF PAVEMENT SHALL EXTEND MINIMUM OF 2'-0" OFF EDGE OF PROPOSED CURB – MAINTAIN UNIFORM CUT THROUGHOUT PROJECT AREA.

## TYPICAL PATH SECTION STA 128+18 TO END

NTS

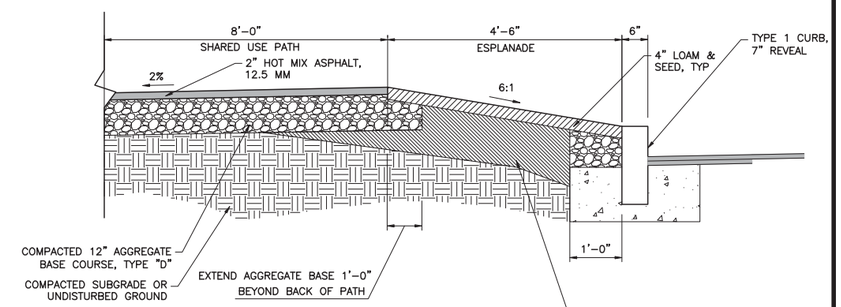



NOTES:

1. SAWCUT OF PAVEMENT SHALL EXTEND MINIMUM OF 2'-0" OFF EDGE OF PROPOSED CURB – MAINTAIN UNIFORM CUT THROUGHOUT PROJECT AREA.

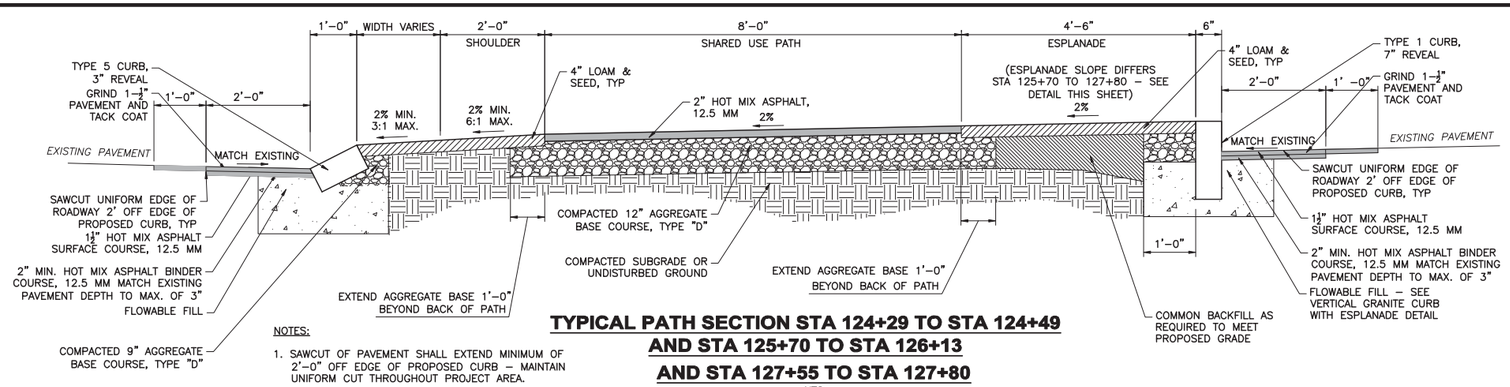
## TYPICAL PATH SECTION STA 121+15 TO STA 124+29 AND STA 126+13 TO STA 127+55

NTS




## TYPICAL PATH SECTION ESPLANADE SLOPE STA 125+70 TO STA 127+80

NTS

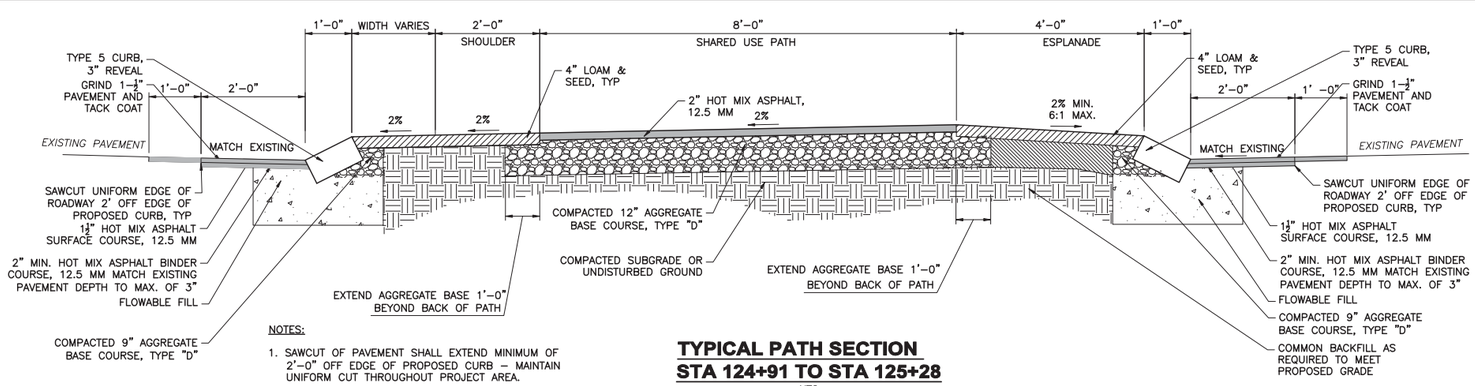



NOTES:

1. SAWCUT OF PAVEMENT SHALL EXTEND MINIMUM OF 2'-0" OFF EDGE OF PROPOSED CURB – MAINTAIN UNIFORM CUT THROUGHOUT PROJECT AREA.

## TYPICAL PATH SECTION STA 124+29 TO STA 124+49 AND STA 125+70 TO STA 126+13 AND STA 127+55 TO STA 127+80

NTS




NOTES:

1. SAWCUT OF PAVEMENT SHALL EXTEND MINIMUM OF 2'-0" OFF EDGE OF PROPOSED CURB – MAINTAIN UNIFORM CUT THROUGHOUT PROJECT AREA.

## TYPICAL PATH SECTION STA 124+91 TO STA 125+28

NTS

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| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
| 1 | DRAFT PDR SUBMISSION | JZC | |
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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

TYPICAL CROSS SECTIONS
SECTION 0002

DRAWING
C-5

LAST SAVED BY: JZC 2/8/2016 4:10 PM
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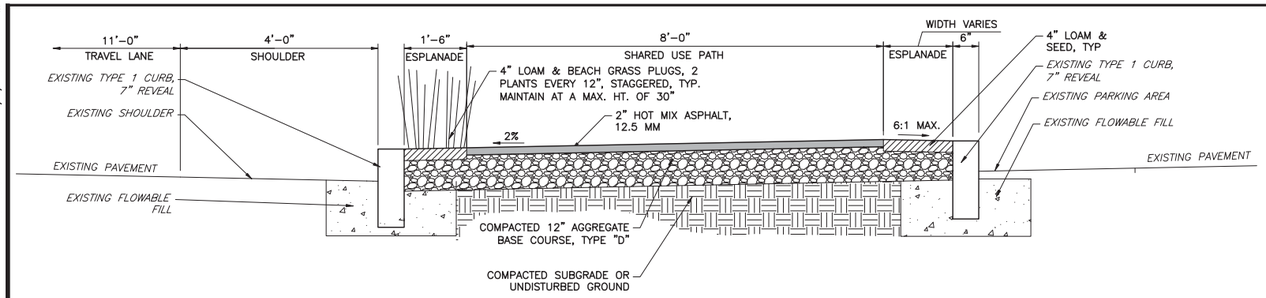
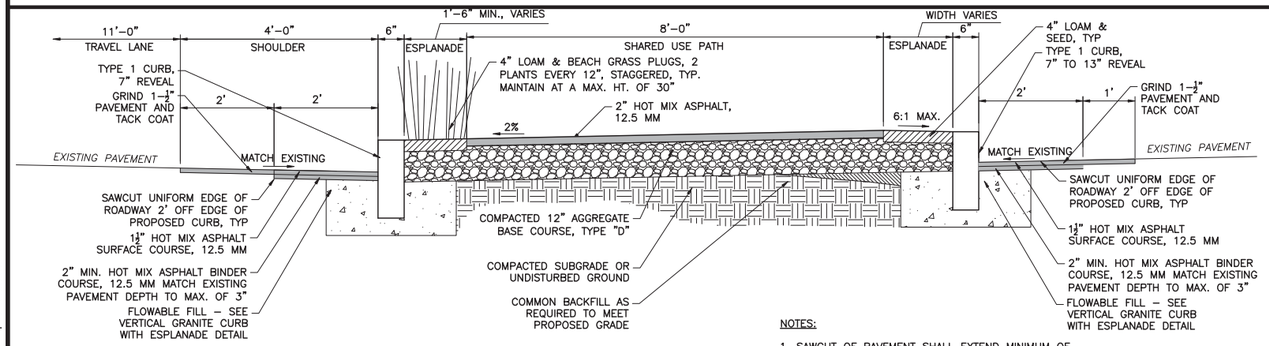



## TYPICAL PATH SECTION STA 106+99 TO STA 108+54

NTS

NOTES:

1. SAWCUT OF PAVEMENT SHALL EXTEND MINIMUM OF 2'-0" OFF EDGE OF PROPOSED CURB – MAINTAIN UNIFORM CUT THROUGHOUT PROJECT AREA.

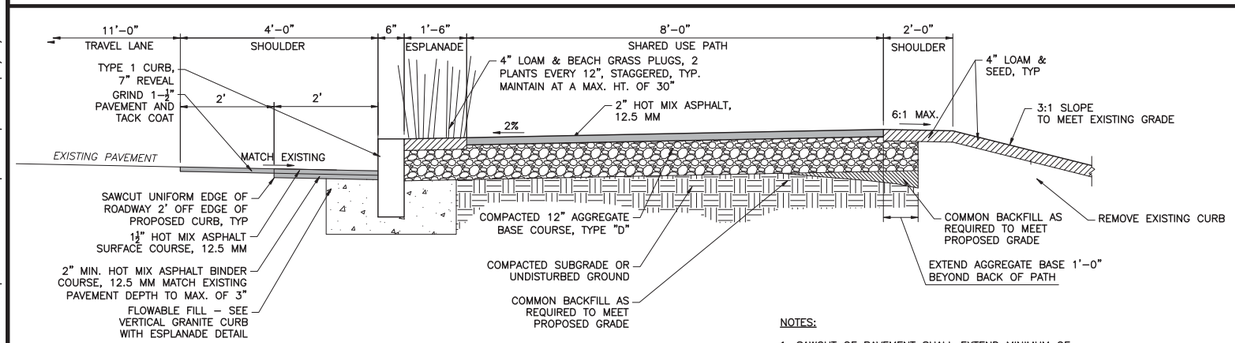



## TYPICAL PATH SECTION STA 108+93 TO STA 109+34

NTS

NOTES:

1. SAWCUT OF PAVEMENT SHALL EXTEND MINIMUM OF 2'-0" OFF EDGE OF PROPOSED CURB – MAINTAIN UNIFORM CUT THROUGHOUT PROJECT AREA.

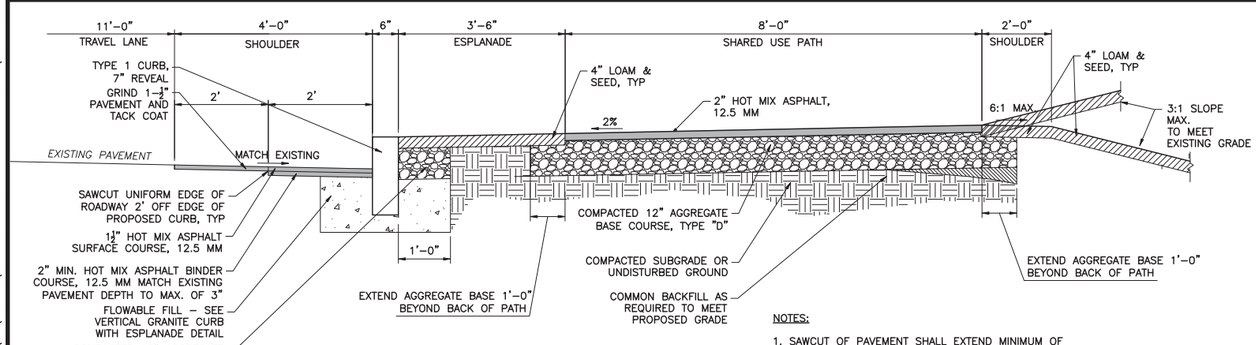



## TYPICAL PATH SECTION STA 109+80 TO STA 110+23

NTS

NOTES:

1. SAWCUT OF PAVEMENT SHALL EXTEND MINIMUM OF 2'-0" OFF EDGE OF PROPOSED CURB – MAINTAIN UNIFORM CUT THROUGHOUT PROJECT AREA.




## TYPICAL PATH SECTION STA 111+02 TO STA 115+50

NTS

NOTES:

1. SAWCUT OF PAVEMENT SHALL EXTEND MINIMUM OF 2'-0" OFF EDGE OF PROPOSED CURB – MAINTAIN UNIFORM CUT THROUGHOUT PROJECT AREA.

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

TYPICAL CROSS SECTIONS
SECTION 0003

DRAWING
C-6

LAST SAVED BY: JZC 1/7/2016 2:52 PM
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LAST SAVED BY: CHRIS.CRONIN 2/17/2016 9:07 AM

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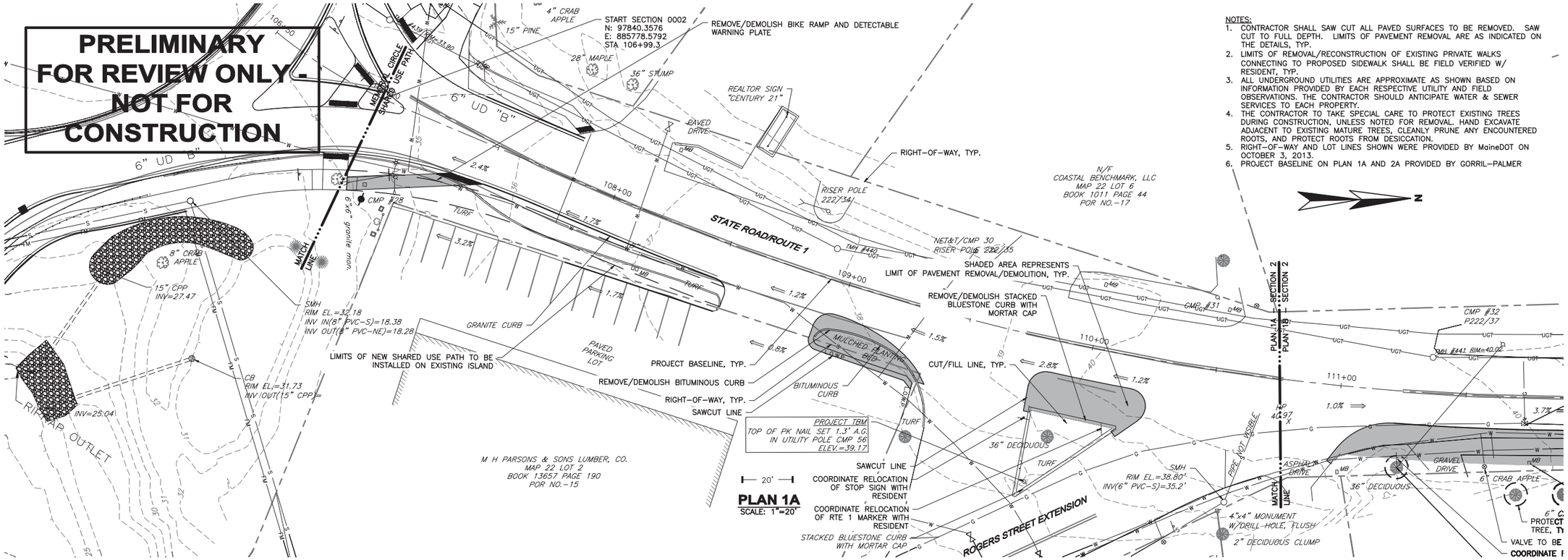
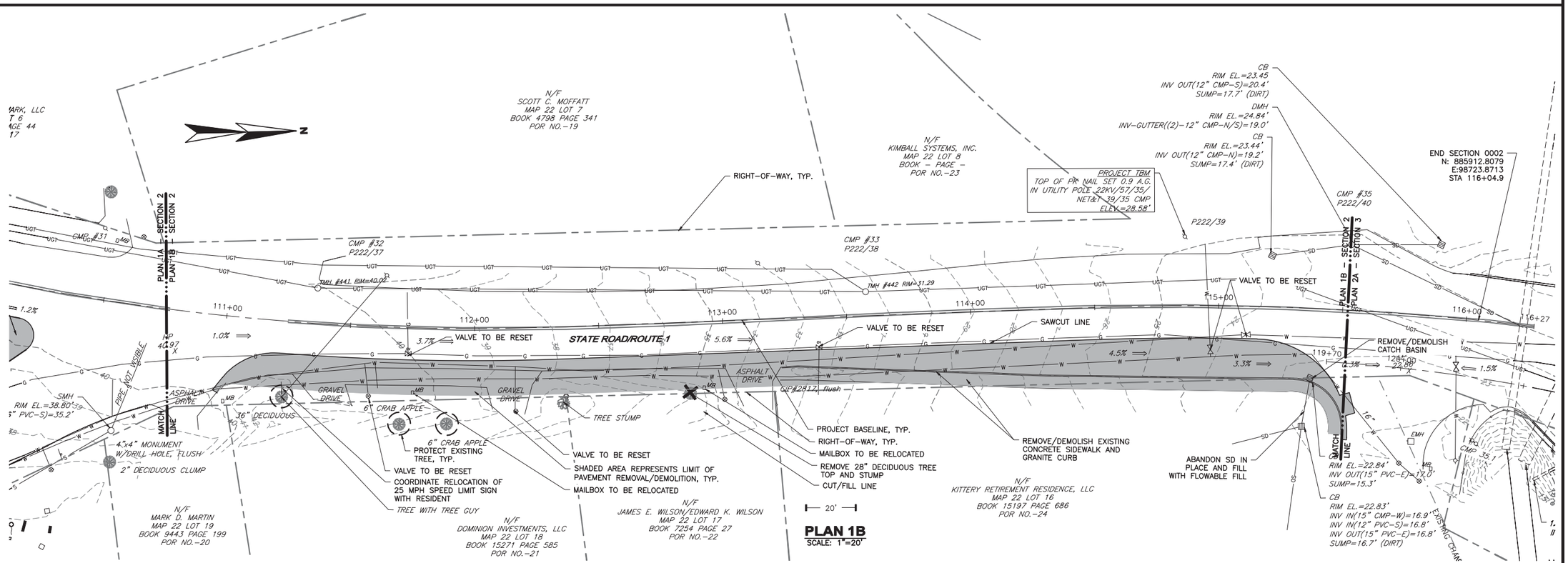
**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

NOTES:
1. CONTRACTOR SHALL SAW CUT ALL PAVED SURFACES TO BE REMOVED. SAW CUT TO FULL DEPTH. LIMITS OF PAVEMENT REMOVAL ARE AS INDICATED ON THE DETAILS, TYP.
2. LIMITS OF REMOVAL/RECONSTRUCTION OF EXISTING PRIVATE WALKS CONNECTING TO PROPOSED SIDEWALK SHALL BE FIELD VERIFIED W/ RESIDENT, TYP.
3. ALL UNDERGROUND UTILITIES ARE APPROXIMATE AS SHOWN BASED ON INFORMATION PROVIDED BY EACH RESPECTIVE UTILITY AND FIELD OBSERVATIONS. THE CONTRACTOR SHOULD ANTICIPATE WATER & SEWER SERVICES TO EACH PROPERTY.
4. THE CONTRACTOR TO TAKE SPECIAL CARE TO PROTECT EXISTING TREES DURING CONSTRUCTION, UNLESS NOTED FOR REMOVAL. HAND EXCAVATE ADJACENT TO EXISTING MATURE TREES, CLEANLY PRUNE ANY ENCOUNTERED ROOTS, AND PROTECT ROOTS FROM DESICCATION.
5. RIGHT-OF-WAY AND LOT LINES SHOWN WERE PROVIDED BY MaineDOT ON OCTOBER 3, 2013.
6. PROJECT BASELINE ON PLAN 1A AND 2A PROVIDED BY GORRIL-PALMER




| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
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| | DRAFT PIC SUBMISSION | JZC | 2-16 |
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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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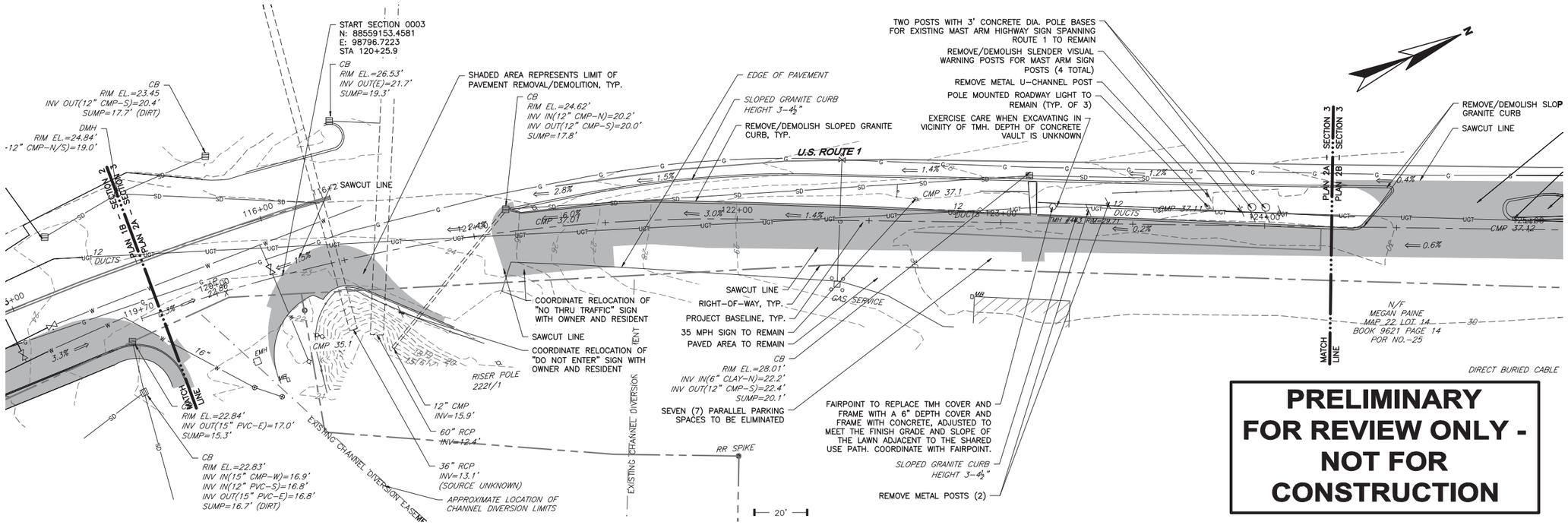
TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

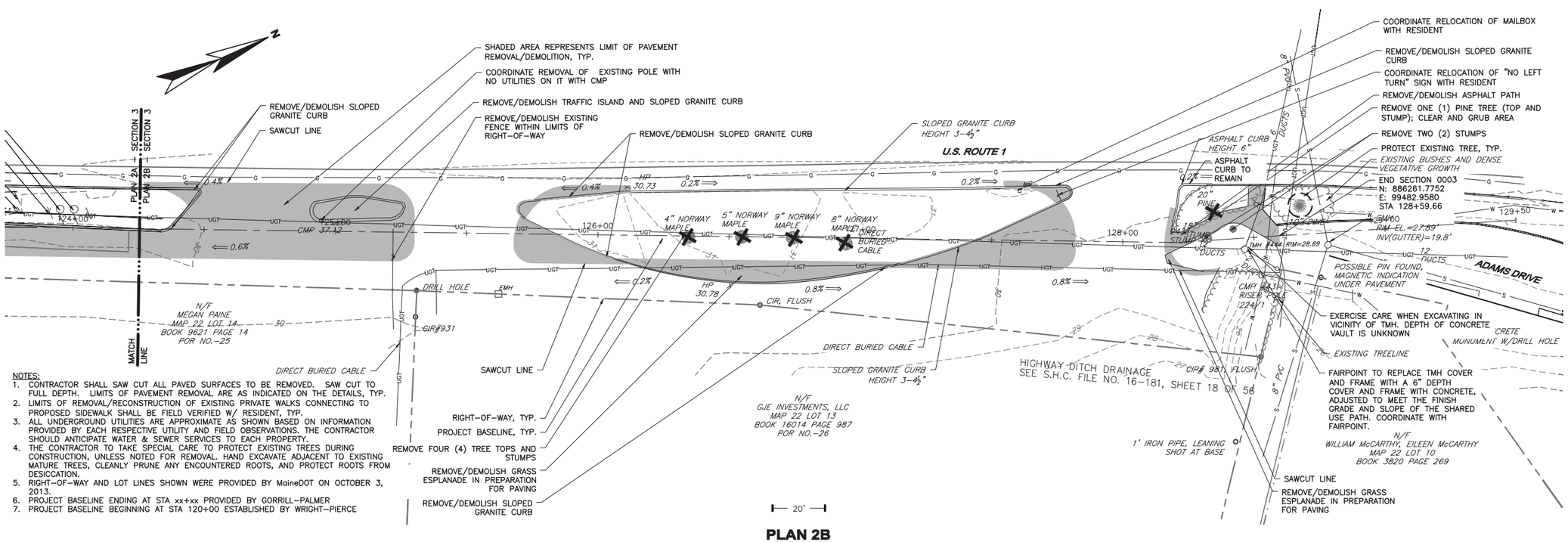
EXISTING CONDITIONS/DEMOLITION PLAN
SECTION 0002

DRAWING
C-7




**PLAN 2A**
SCALE: 1"=20'

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**




**PLAN 2B**
SCALE: 1"=20'

NOTES:
1. CONTRACTOR SHALL SAW CUT ALL PAVED SURFACES TO BE REMOVED. SAW CUT TO FULL DEPTH. LIMITS OF PAVEMENT REMOVAL ARE AS INDICATED ON THE DETAILS, TYP.
2. LIMITS OF REMOVAL/RECONSTRUCTION OF EXISTING PRIVATE WALKS CONNECTING TO PROPOSED SIDEWALK SHALL BE FIELD VERIFIED W/ RESIDENT, TYP.
3. ALL UNDERGROUND UTILITIES ARE APPROXIMATE AS SHOWN BASED ON INFORMATION PROVIDED BY EACH RESPECTIVE UTILITY AND FIELD OBSERVATIONS. THE CONTRACTOR SHOULD ANTICIPATE WATER & SEWER SERVICES TO EACH PROPERTY.
4. THE CONTRACTOR TO TAKE SPECIAL CARE TO PROTECT EXISTING TREES DURING CONSTRUCTION, UNLESS NOTED FOR REMOVAL. HAND EXCAVATE ADJACENT TO EXISTING MATURE TREES, CLEANLY PRUNE ANY ENCOUNTERED ROOTS, AND PROTECT ROOTS FROM DESICCATION.
5. RIGHT-OF-WAY AND LOT LINES SHOWN WERE PROVIDED BY MaineDOT ON OCTOBER 3, 2013.
6. PROJECT BASELINE ENDING AT STA xx+xx PROVIDED BY GORRILL-PALMER
7. PROJECT BASELINE BEGINNING AT STA 120+00 ESTABLISHED BY WRIGHT-PIERCE

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

EXISTING CONDITIONS/DEMOLITION PLAN
SECTION 0003

DRAWING
C-8

LAST SAVED BY: JZC 2/15/2016 2:46 PM

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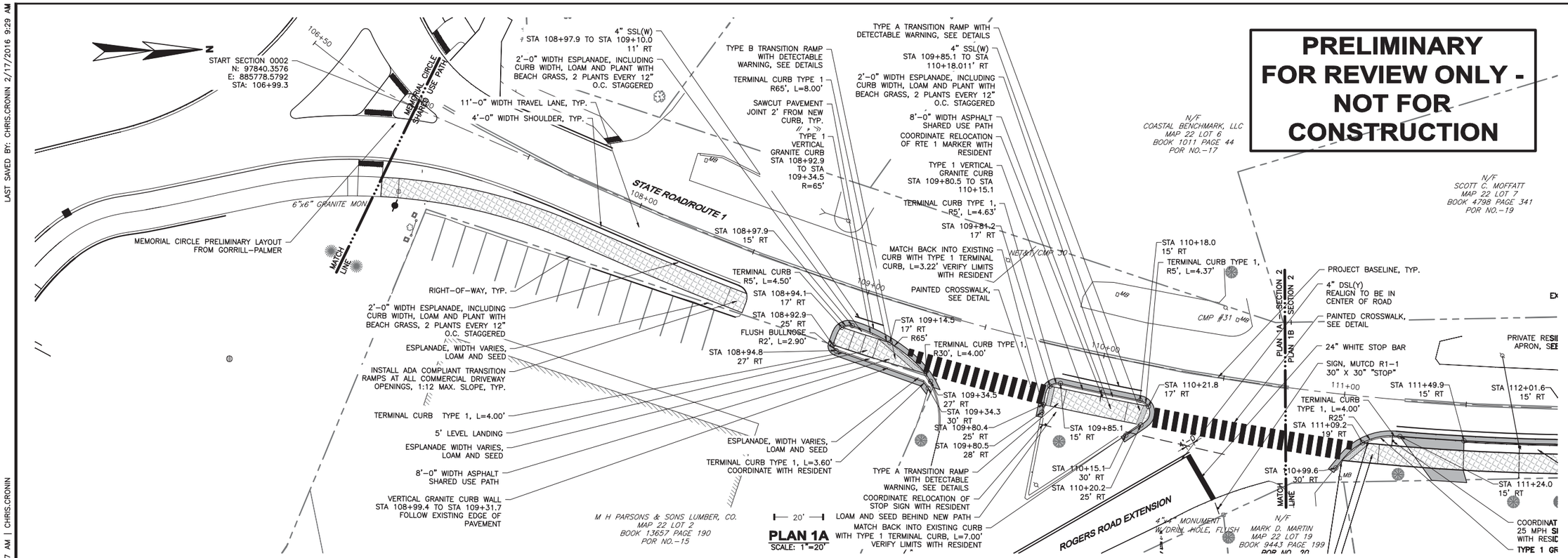


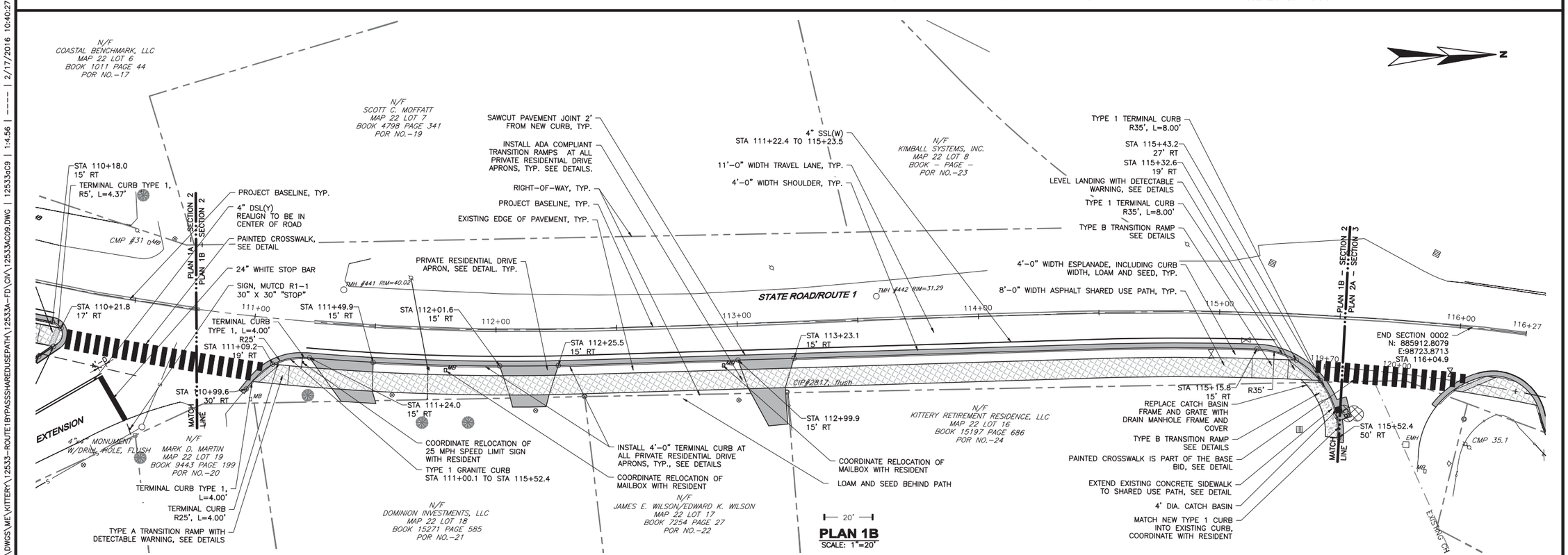


| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
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| 1 | DRAFT PIC SUBMISSION | JZC | 2-16 |
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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

STRIPING, CURBING AND SIGNAGE PLAN
SECTION 0002

DRAWING
C-9

LAST SAVED BY: CHRIS.CRONIN 2/17/2016 9:29 AM

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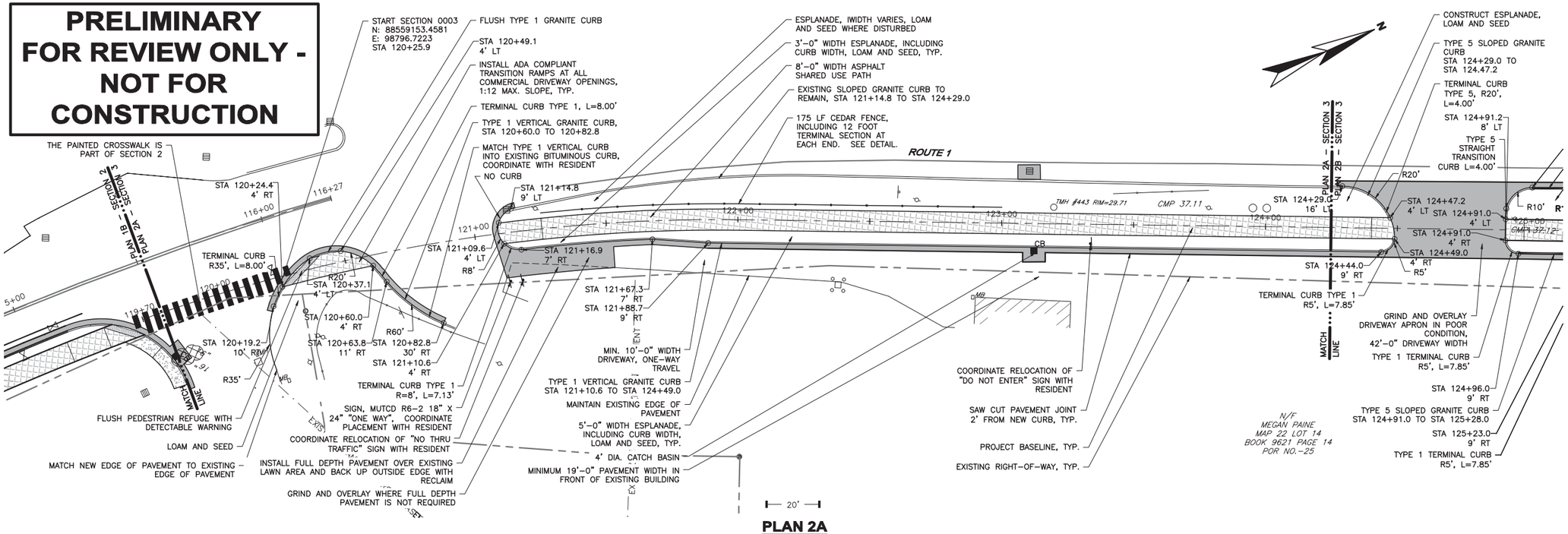
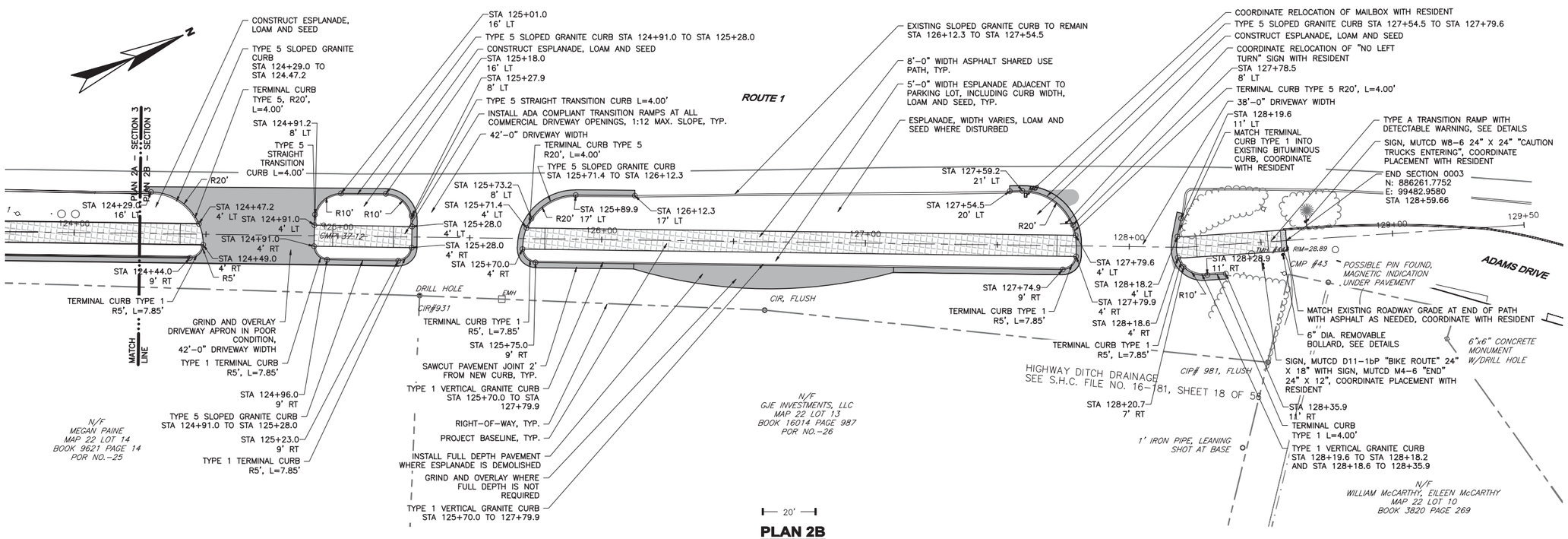
**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**




**PLAN 2A**
SCALE: 1"=20'




**PLAN 2B**
SCALE: 1"=20'

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A


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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

STRIPING, CURBING, AND SIGNAGE PLAN
SECTION 0003

DRAWING
C-10


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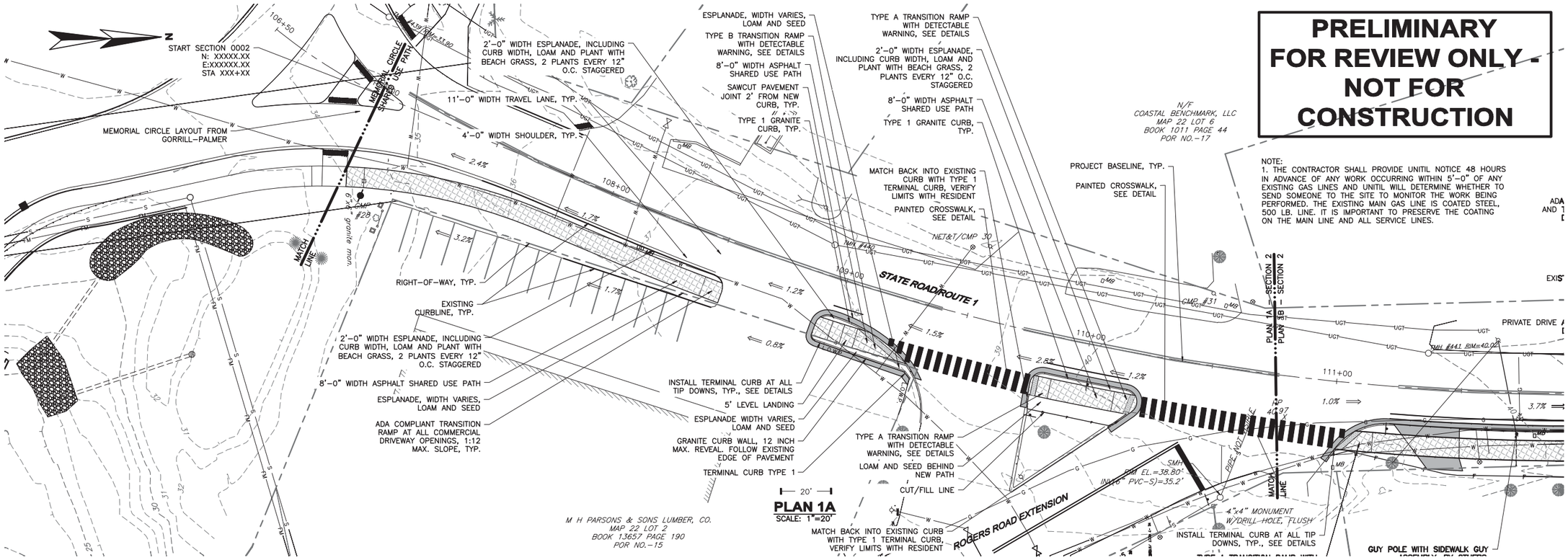


| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| 1 | DRAFT PIC SUBMISSION | JZC | 2-16 |
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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

GRADING AND DRAINAGE PLAN
SECTION 0002

DRAWING
C-11

LAST SAVED BY: CHRIS.CRONIN 2/17/2016 9:32 AM

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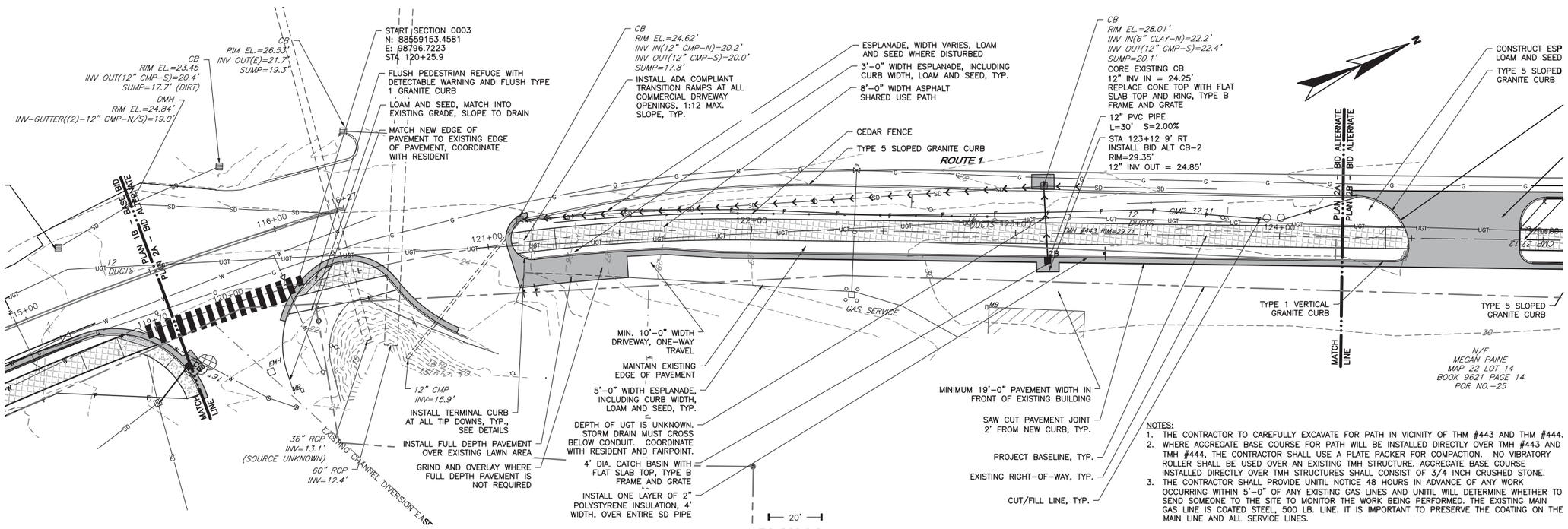
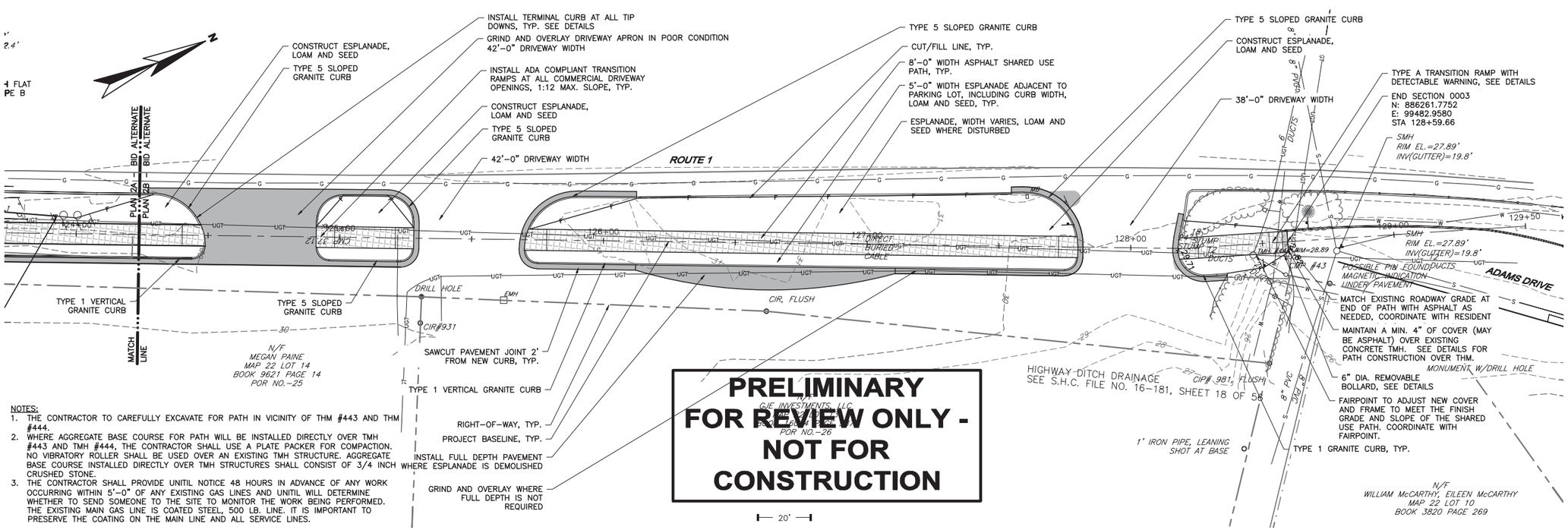



NOTES:
1. THE CONTRACTOR TO CAREFULLY EXCAVATE FOR PATH IN VICINITY OF THM #443 AND THM #444.
2. WHERE AGGREGATE BASE COURSE FOR PATH WILL BE INSTALLED DIRECTLY OVER TMH #443 AND TMH #444, THE CONTRACTOR SHALL USE A PLATE PACKER FOR COMPACTION. NO VIBRATORY ROLLER SHALL BE USED OVER AN EXISTING TMH STRUCTURE. AGGREGATE BASE COURSE INSTALLED DIRECTLY OVER TMH STRUCTURES SHALL CONSIST OF 3/4 INCH CRUSHED STONE.
3. THE CONTRACTOR SHALL PROVIDE UNITIL NOTICE 48 HOURS IN ADVANCE OF ANY WORK OCCURRING WITHIN 5'-0" OF ANY EXISTING GAS LINES AND UNITIL WILL DETERMINE WHETHER TO SEND SOMEONE TO THE SITE TO MONITOR THE WORK BEING PERFORMED. THE EXISTING MAIN GAS LINE IS COATED STEEL, 500 LB. LINE. IT IS IMPORTANT TO PRESERVE THE COATING ON THE MAIN LINE AND ALL SERVICE LINES.

**PLAN 2A**
SCALE: 1"=20'




**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

NOTES:
1. THE CONTRACTOR TO CAREFULLY EXCAVATE FOR PATH IN VICINITY OF THM #443 AND THM #444.
2. WHERE AGGREGATE BASE COURSE FOR PATH WILL BE INSTALLED DIRECTLY OVER TMH #443 AND TMH #444, THE CONTRACTOR SHALL USE A PLATE PACKER FOR COMPACTION. NO VIBRATORY ROLLER SHALL BE USED OVER AN EXISTING TMH STRUCTURE. AGGREGATE BASE COURSE INSTALLED DIRECTLY OVER TMH STRUCTURES SHALL CONSIST OF 3/4 INCH CRUSHED STONE.
3. THE CONTRACTOR SHALL PROVIDE UNITIL NOTICE 48 HOURS IN ADVANCE OF ANY WORK OCCURRING WITHIN 5'-0" OF ANY EXISTING GAS LINES AND UNITIL WILL DETERMINE WHETHER TO SEND SOMEONE TO THE SITE TO MONITOR THE WORK BEING PERFORMED. THE EXISTING MAIN GAS LINE IS COATED STEEL, 500 LB. LINE. IT IS IMPORTANT TO PRESERVE THE COATING ON THE MAIN LINE AND ALL SERVICE LINES.

**PLAN 2B**
SCALE: 1"=20'

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
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| | DRAFT PIC SUBMISSION | JZC | 2-16 |
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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

DRAINAGE AND DRAINAGE PLAN
SECTION 0003

DRAWING
C-12

LAST SAVED BY: CHRIS.CRONIN 2/17/2016 9:36 AM

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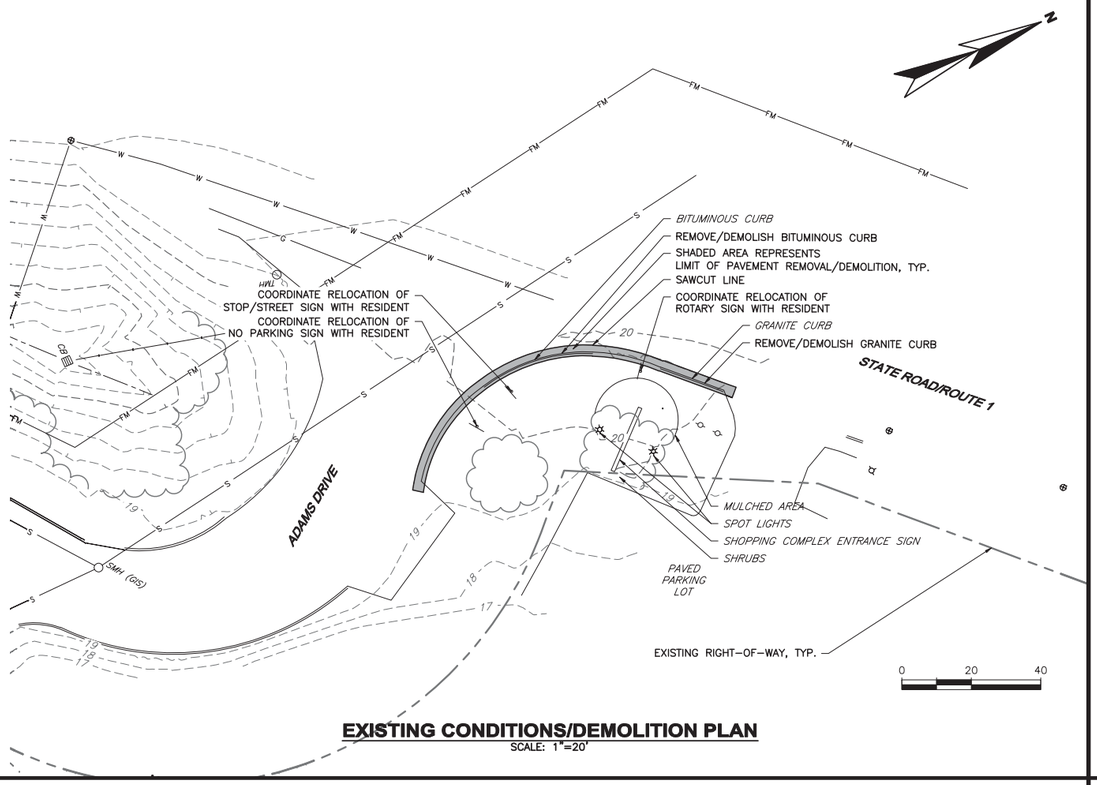
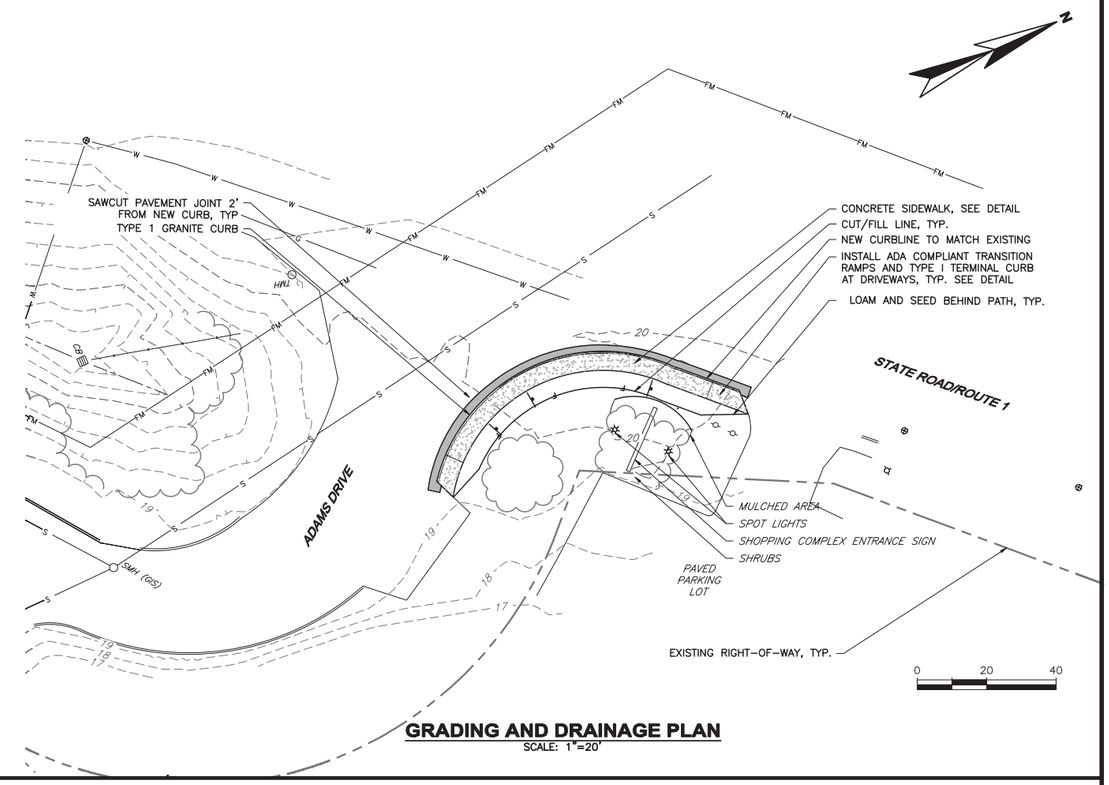


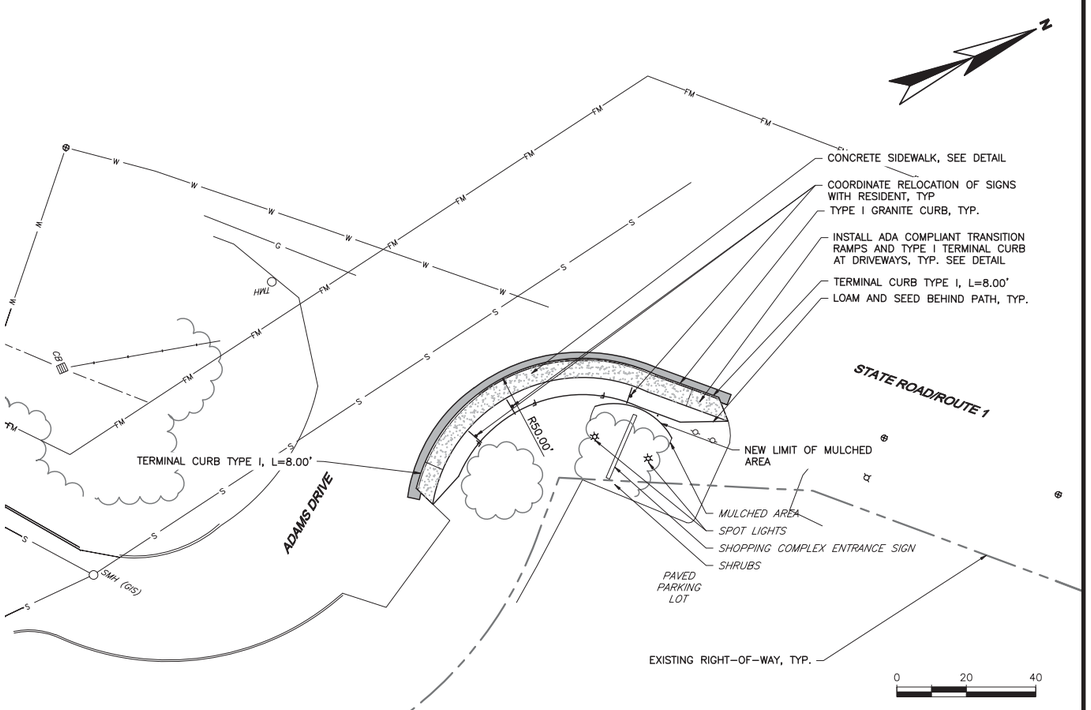

## EXISTING CONDITIONS/DEMOLITION PLAN

SCALE: 1"=20'



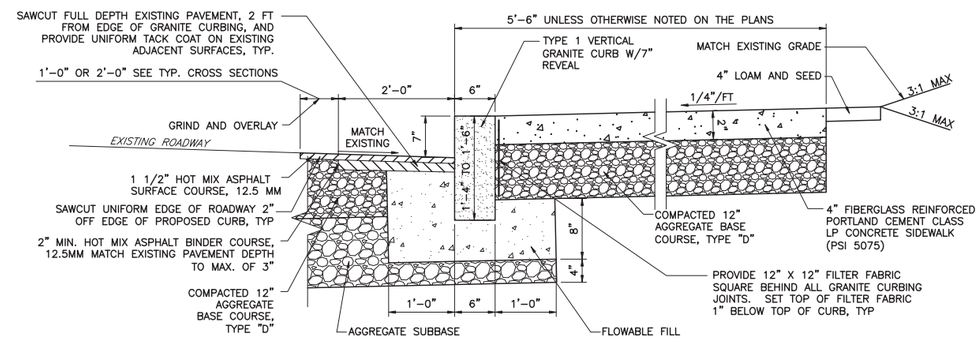

## GRADING AND DRAINAGE PLAN

SCALE: 1"=20'




## STRIPING, CURBING AND SIGNAGE PLAN - SECTION 0004

SCALE: 1"=20'




NOTES:

A. CONCRETE FILL MIX PROPERTIES SHALL BE PROPORTIONED TO A MINIMUM STRENGTH OF 3000 PSI AT 28 DAYS.

B. SAWCUT CONTROL JOINTS AT 6'-0" CENTERS MAX. (1.5" DEEP)

C. USE $\frac{1}{4}$" PREFORMED JOINT FILLER WHERE SIDEWALK EDGE ABUTTS EXISTING BUILDING, CURB, OR OTHER FIXED STRUCTURE, TYP.

D. SHOULDER – SLOPED TO DRAIN MATCH EXISTING ROAD GRADE – CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO CREATE DEPRESSIONS IN PAVEMENT THAT RESULT IN PUDDLING.

## TYPICAL CONCRETE SIDEWALK/SHOULDER SECTION

NTS

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
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| | DRAFT PIC SUBMISSION | JZC | 2-16 |
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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

ADAMS STREET – EXISTING CONDITIONS/DEMOLITION PLAN & LAYOUT
GRADING AND DRAINAGE PLAN
STRIPING, CURBING AND SIGNAGE PLAN – SECTION 0004

DRAWING
C-13

LAST SAVED BY: CHRIS.CRONIN 2/17/2016 10:36 AM
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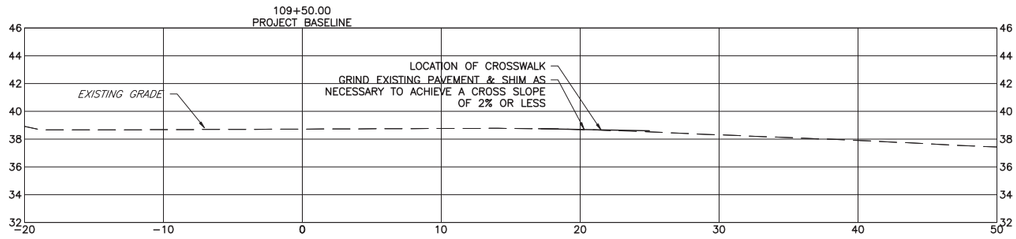


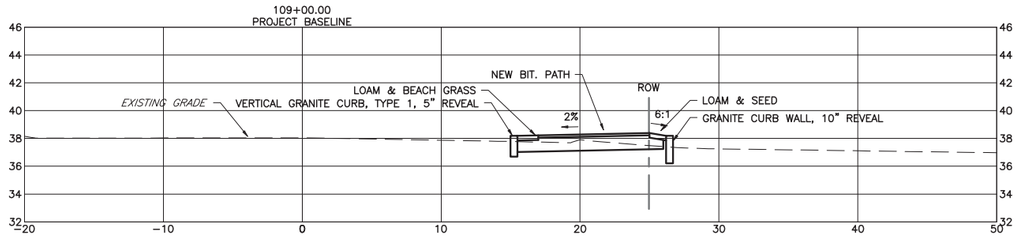


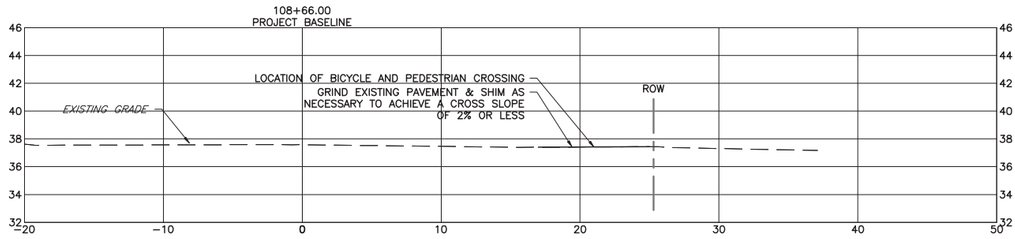


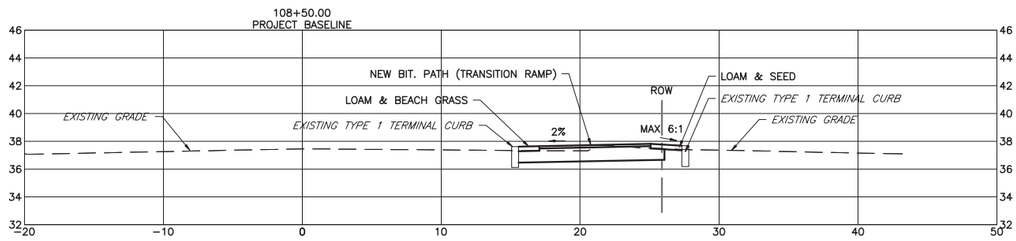


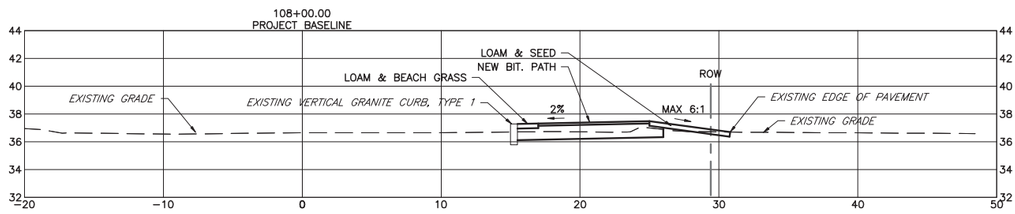


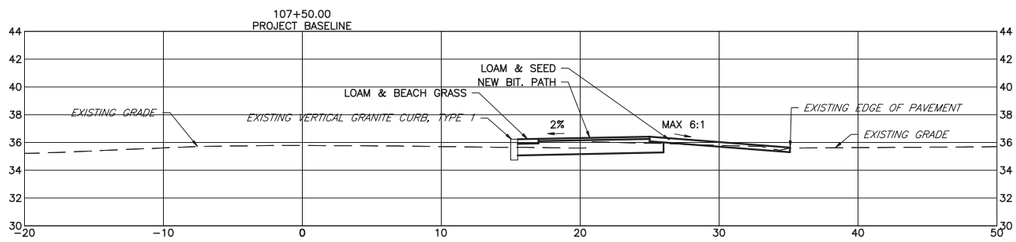


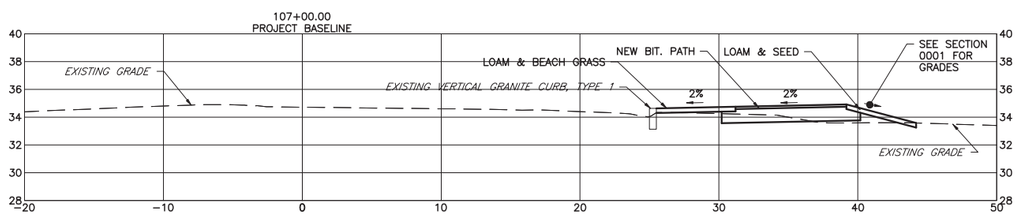


**CROSS SECTIONS**
SCALE: 1"=5'

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

DRAWING C-14

TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

CROSS SECTIONS 107+00 TO STA 109+50

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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
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| | DRAFT PIC SUBMISSION | JZC | 2-16 |
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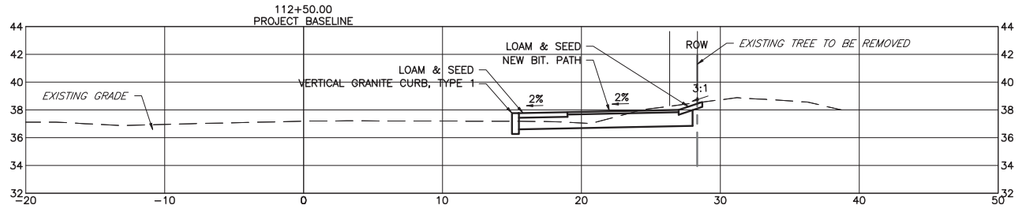


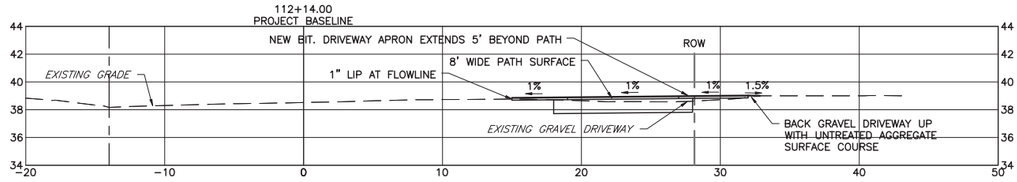


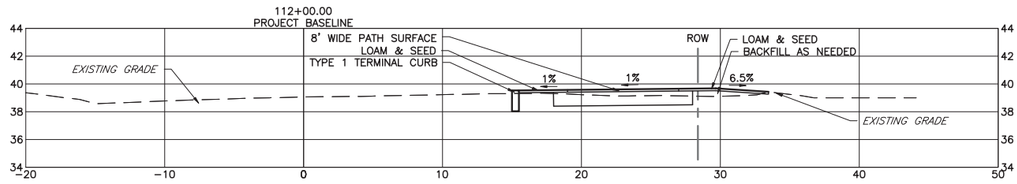


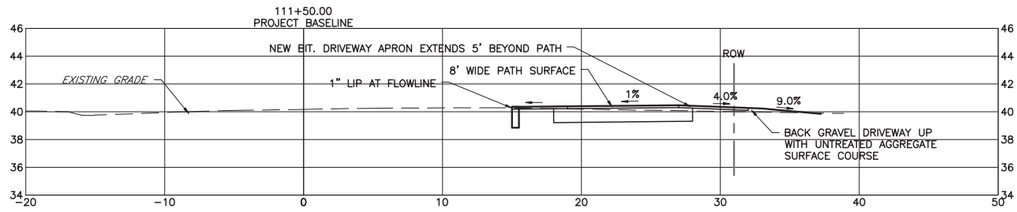


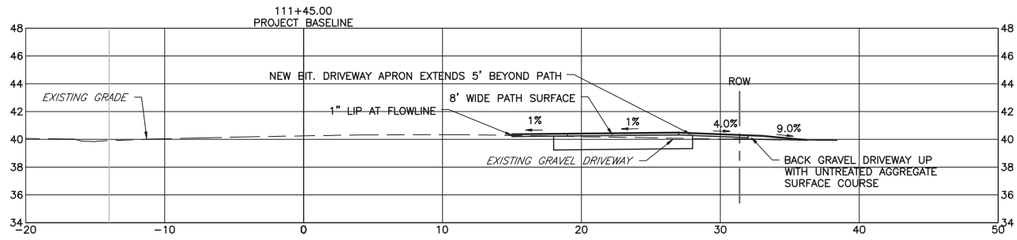


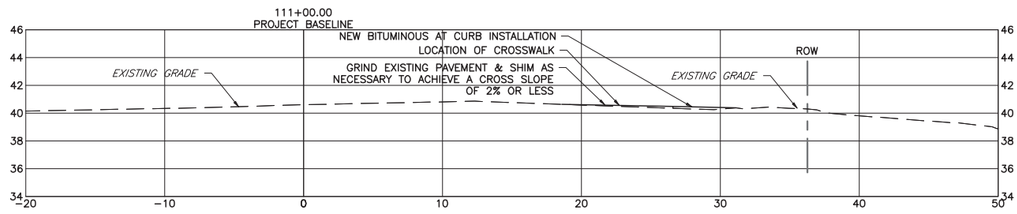


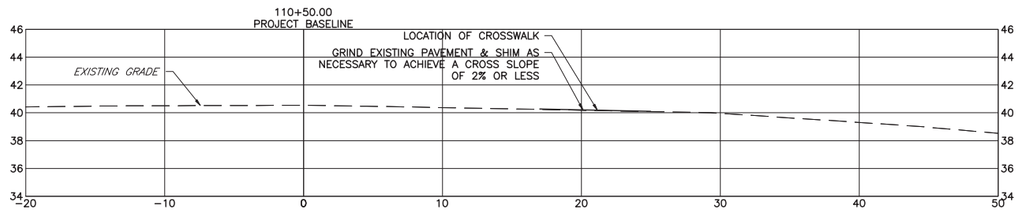


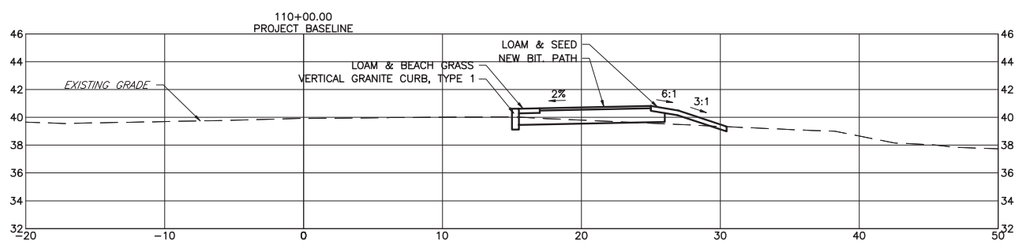


**CROSS SECTIONS**
SCALE: 1"=5'

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

CROSS SECTIONS: STA 110+00 TO STA 112+50

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DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

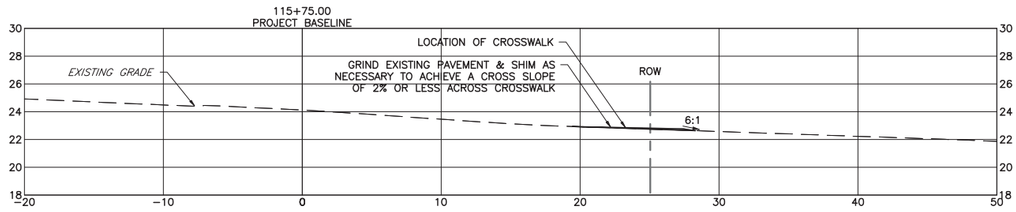
| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

DRAWING C-15

## CROSS SECTIONS

SCALE: 1"=5'

115+75.00
PROJECT BASELINE




115+50.00
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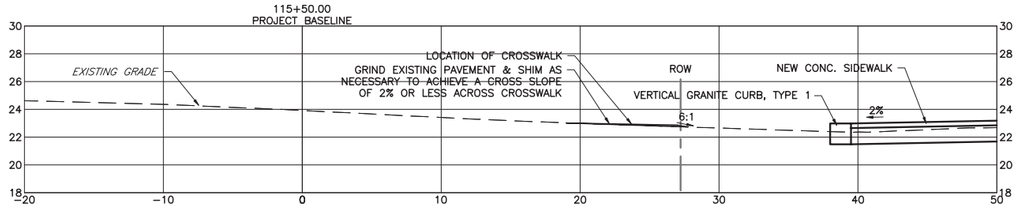


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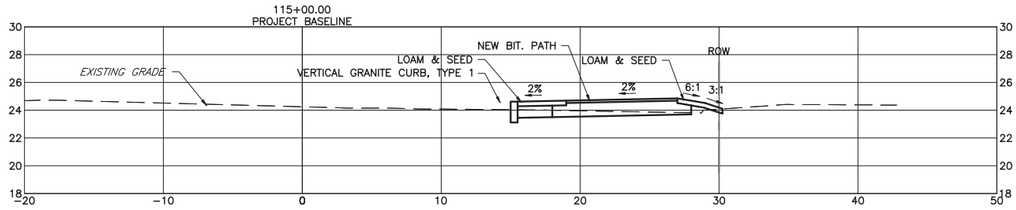


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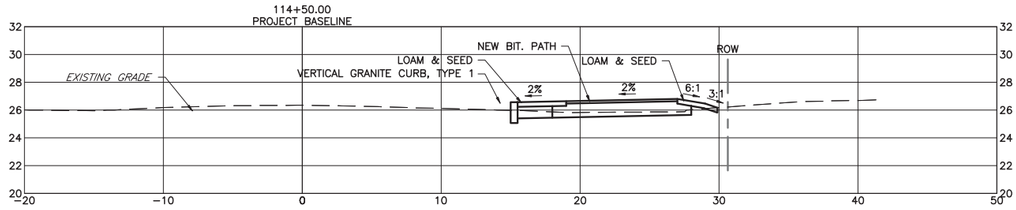
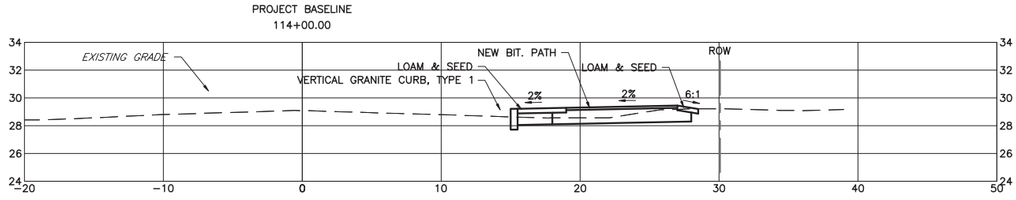



PROJECT BASELINE
114+00.00

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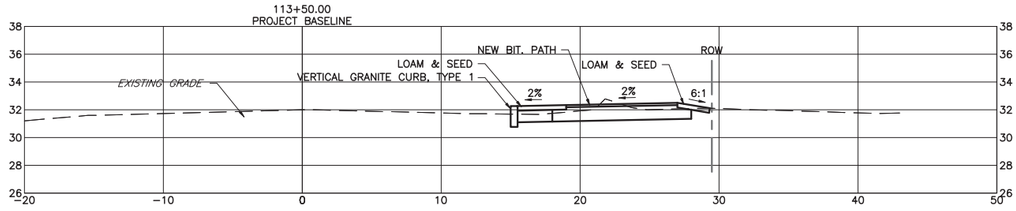


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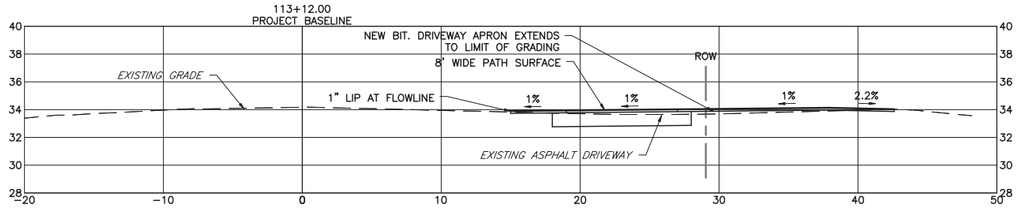


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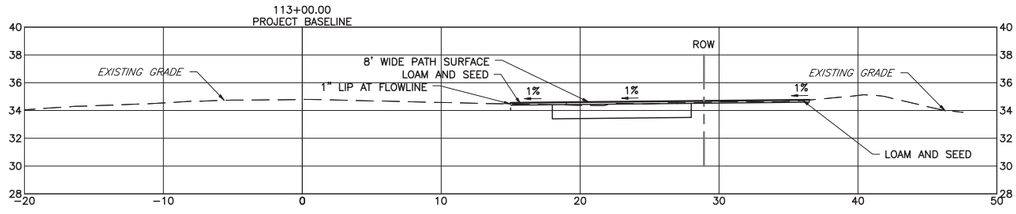


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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

CROSS SECTIONS: STA 113+00 TO STA 115+75

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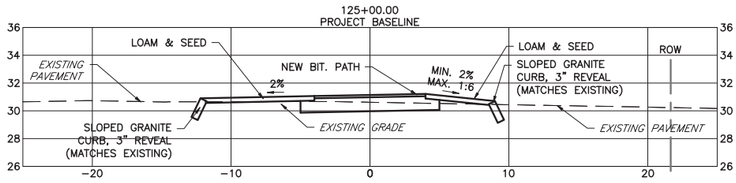
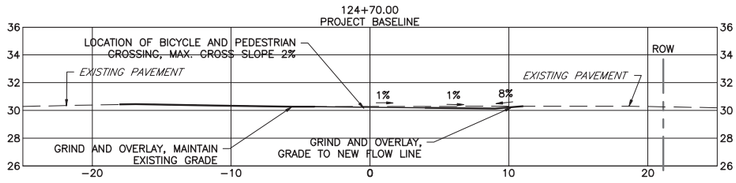
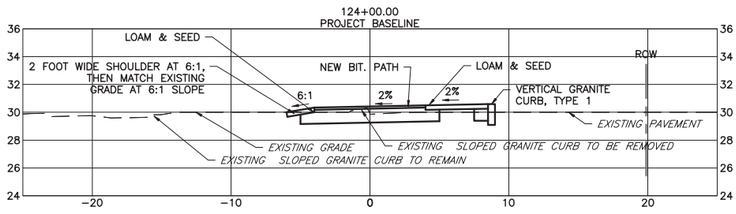
DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

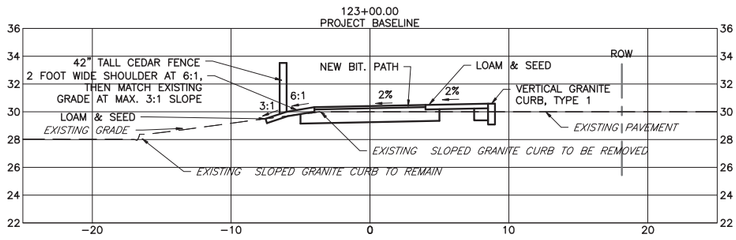
| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
| 1 | DRAFT PDR SUBMISSION | JZC | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

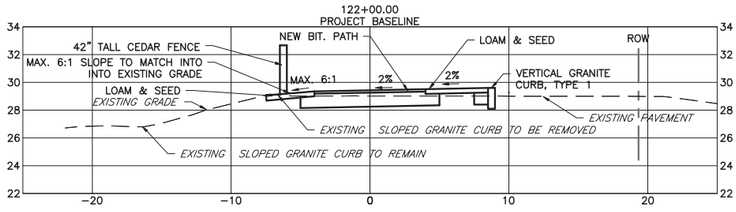
DRAWING C-16

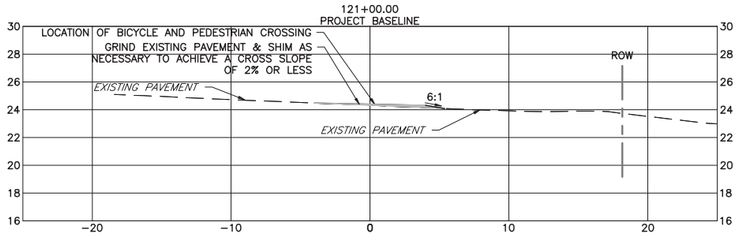


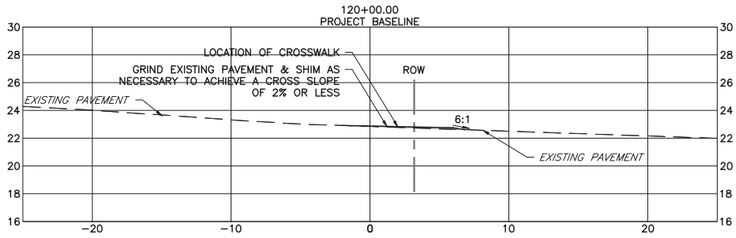



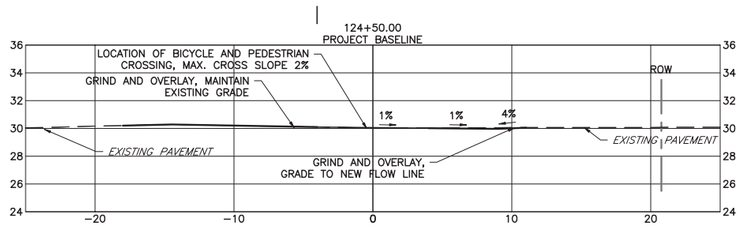



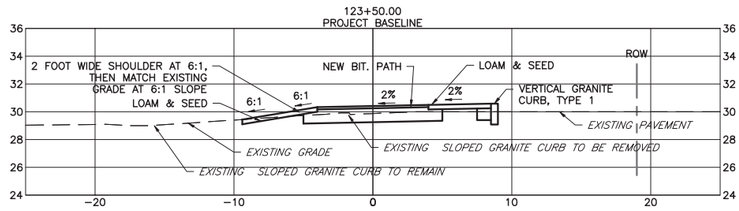



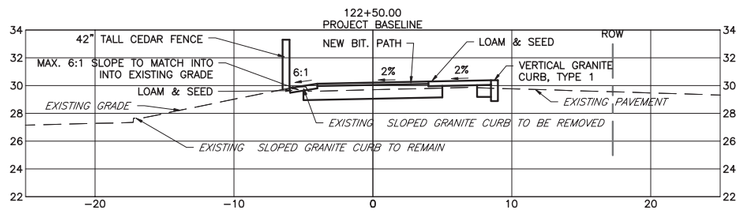



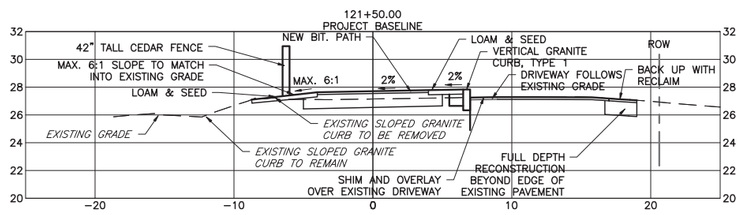



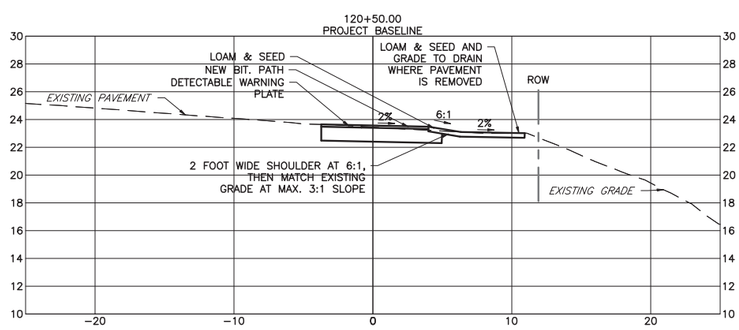



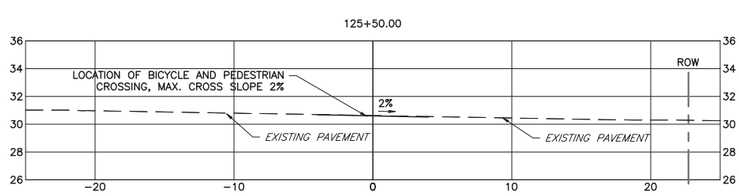




**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

## CROSS SECTIONS

SCALE: 1"=5'

DRAWING C-17

TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

CROSS SECTIONS: STA 120+00 TO STA 125+50

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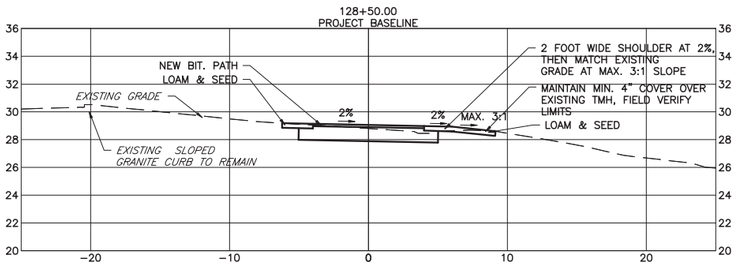
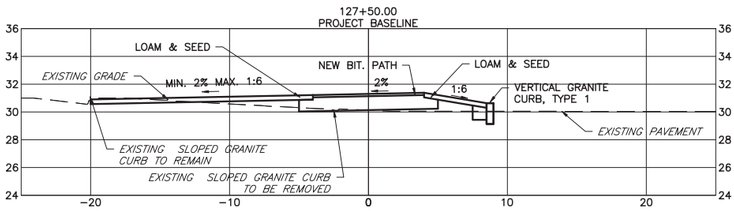
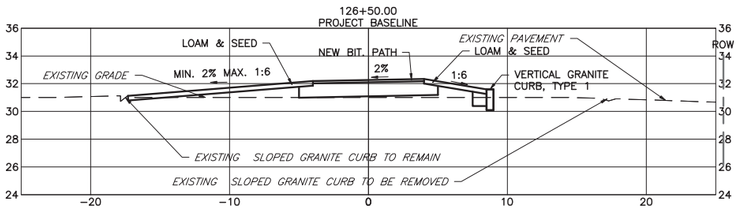
DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

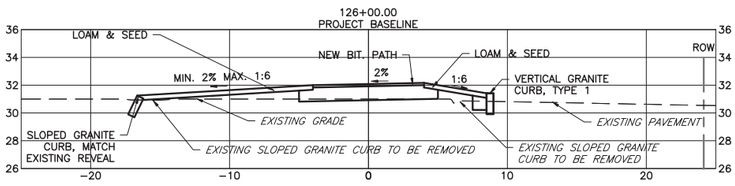
| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

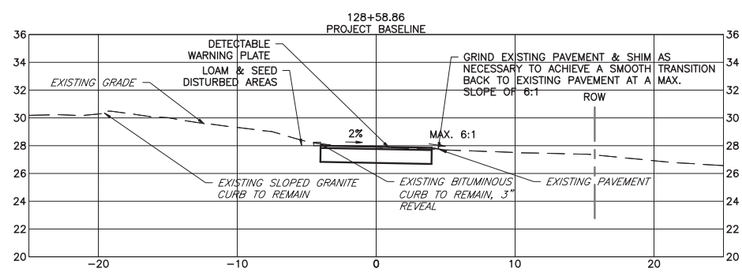
**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

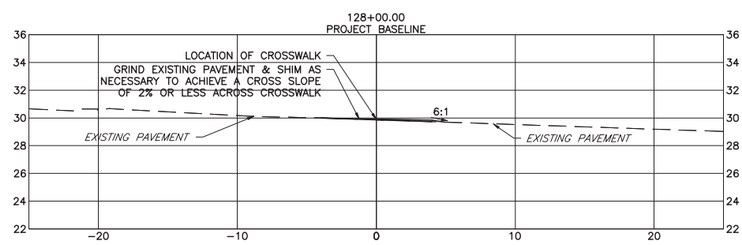


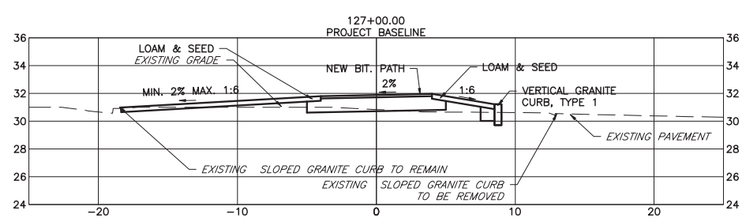




## CROSS SECTIONS

SCALE: 1"=5'

DRAWING C-18

TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

CROSS SECTIONS: STA 126+00 TO STA 127+00

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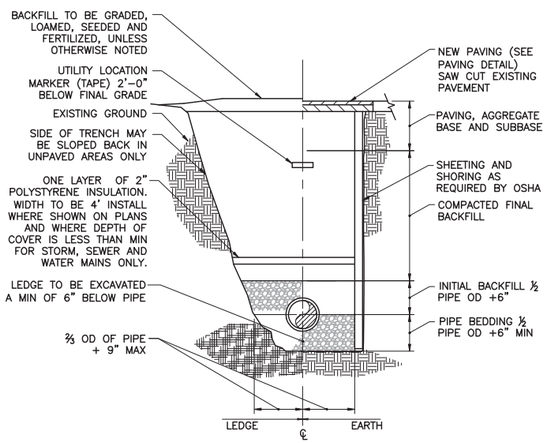
DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

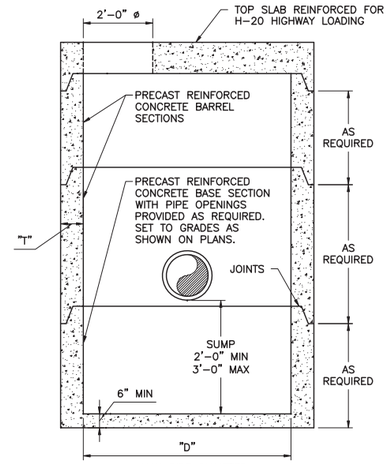
| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

LAST SAVED BY: JZC 2/12/2016 9:39 AM



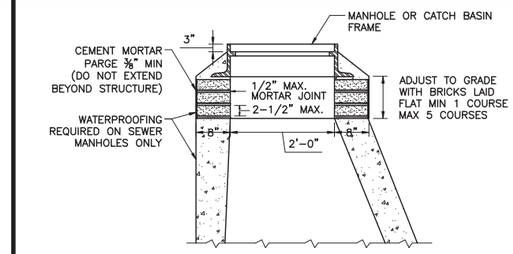

NOTES:
1. ALL EXCAVATION MUST MEET OSHA STANDARDS.
2. INSTALL 3 FOOT LONG IMPERVIOUS MATERIAL DAM IN BEDDING/INITIAL BACKFILL MATERIAL EVERY 100' AND WHERE SHOWN ON PLANS TO PREVENT TRENCH GROUNDWATER FROM BEING CHANNELED ALONG BEDDING/INITIAL BACKFILL.
3. SEE SPECIFICATIONS FOR BEDDING AND BACKFILL REQUIREMENTS.

## PIPE TRENCH
NTS

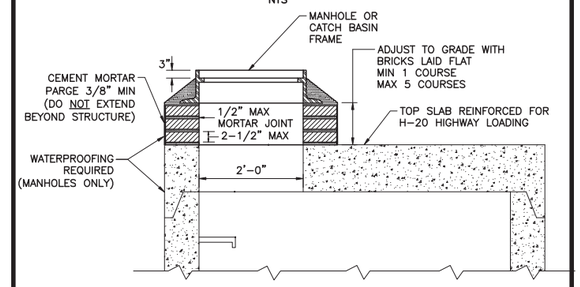



| DIAMETER ("D") | MAX PIPE DIAMETER STRAIGHT THRU TO 45° DEFLECTION | MINIMUM WALL THICKNESS ("T") |
|---|---|---|
| 48" | UP TO 30" O.D. | 5" |
| 60" | UP TO 44" O.D. | 6" |
| 72" | UP TO 51" O.D. | 7" |
| 96" | UP TO 72" O.D. | 9" |

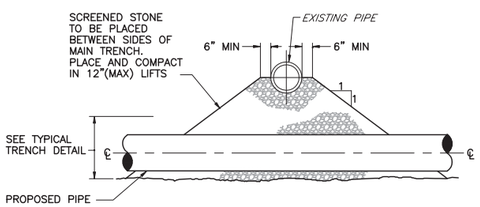
## FLAT SLAB TOP CATCH BASIN
NTS




## MANHOLE AND CATCH BASIN FRAME INSTALLATION
NTS

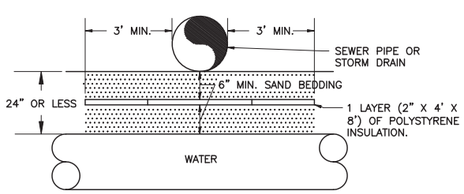



## FLAT SLAB TOP MANHOLE AND CATCH BASIN FRAME INSTALLATION
NTS



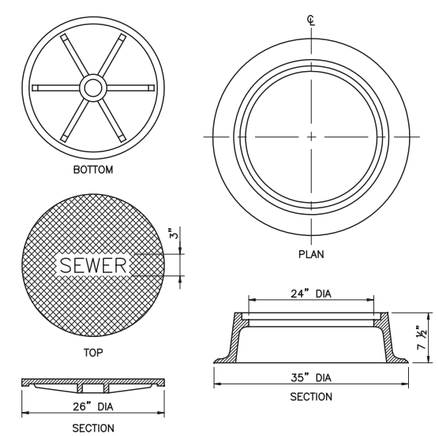

NOTE:
JOINTS ON EACH PIPE TO BE AS FAR FROM INTERSECTION AS POSSIBLE

## PIPE CROSSING
NTS




NOTES:
1. INSULATION TO BE USED WHERE VERTICAL OR HORIZONTAL PIPE SEPARATION IS 24" OR LESS.
2. WATER MAINS OR SERVICES WITHIN 4 FEET HORIZONTALLY OF ANY CULVERT OR STORM DRAIN PIPE SHALL HAVE INSULATION.

## CULVERT/STORM DRAIN CROSSING DETAIL
NTS




## CATCH BASIN & MANHOLE STANDARD COVER AND FRAME
SCALE: NTS

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

CIVIL DETAILS I

DRAWING
C-19

G:\DWGS\ME\KITTERY\12533-ROUTE1BYPASSSHAREDUSEPATH\12533A-FD\CIV\12533AC19.DWG | 12533aC19 | 1:4.56 | ---- | 2/17/2016 10:47:09 AM | CHRIS.CRONIN

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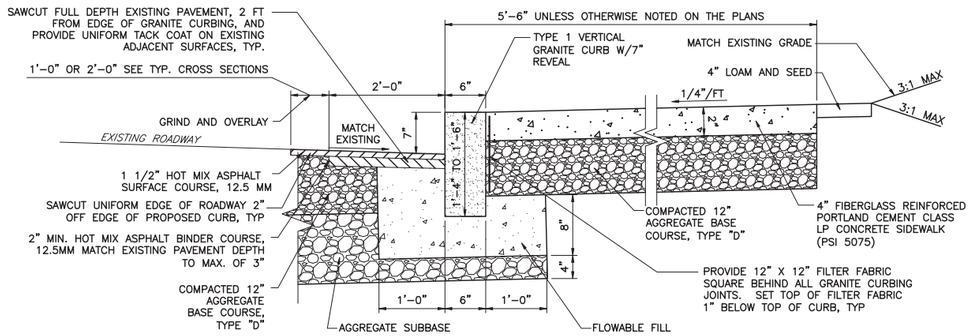



NOTES:

A. CONCRETE FILL MIX PROPERTIES SHALL BE PROPORTIONED TO A MINIMUM STRENGTH OF 3000 PSI AT 28 DAYS.

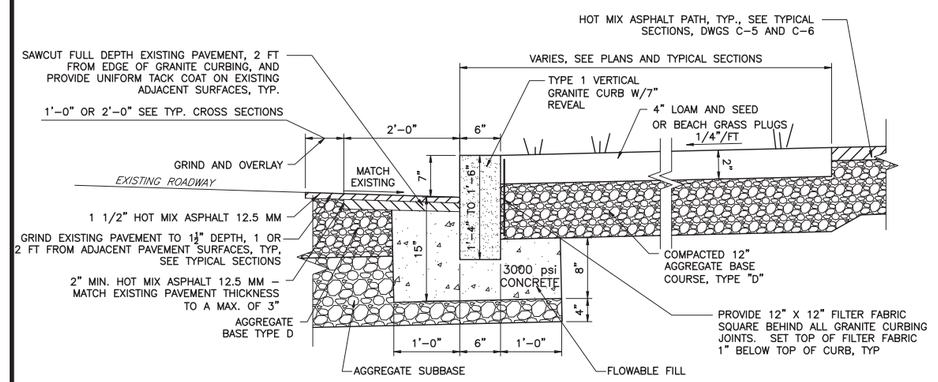
B. SAWCUT CONTROL JOINTS AT 6'-0" CENTERS MAX. (1.5" DEEP)

C. USE ½" PREFORMED JOINT FILLER WHERE SIDEWALK EDGE ABUTTS EXISTING BUILDING, CURB, OR OTHER FIXED STRUCTURE, TYP.

D. SHOULDER – SLOPED TO DRAIN MATCH EXISTING ROAD GRADE – CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO CREATE DEPRESSIONS IN PAVEMENT THAT RESULT IN PUDDLING.

## TYPICAL CONCRETE SIDEWALK/SHOULDER SECTION

NTS




NOTES:

A. CONCRETE FILL MIX PROPERTIES SHALL BE PROPORTIONED TO A MINIMUM STRENGTH OF 3000 PSI AT 28 DAYS.

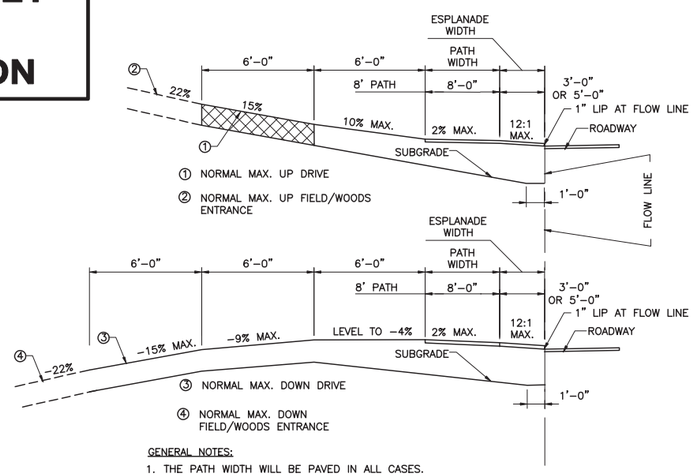
B. SHOULDER – SLOPED TO DRAIN MATCH EXISTING ROAD GRADE – CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO CREATE DEPRESSIONS IN PAVEMENT THAT RESULT IN PUDDLING.

NOTE: ADJOINING STONES SHALL HAVE THE SAME OR APPROXIMATELY THE SAME LENGTH.

## VERTICAL GRANITE CURB WITH ESPLANADE DETAIL

NTS

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**




GENERAL NOTES:

1. THE PATH WIDTH WILL BE PAVED IN ALL CASES.

2. ALL RESIDENTIAL OR COMMERCIAL DRIVES 10% AND OVER WILL BE PAVED

2. IN SOME INSTANCES, PROPOSED DRIVEWAY GRADE BREAK LOCATIONS MAY DIFFER FROM THIS DETAIL, TO BETTER MATCH INTO EXISTING CONDITIONS. SEE CROSS SECTIONS FOR EACH DRIVEWAY LOCATION.

NOTES ON MAXIMUM DRIVEWAY PROFILES:

1. THESE PROFILES ARE A GUIDE FOR THE MAJORITY OF CASES, BUT SHOULD BE FIELD CHECKED WHEN THE MAIN LINE GRADE IS STEEP (4% TO 6% OR GREATER) OR THE ANGLE OF APPROACH TO THE DRIVE IS UNUSUAL.

2. GENERALLY THE MAJORITY OF DRIVES ON A PROJECT WILL BE BUILT WITH FLATTER PROFILES THAN THESE MAXIMUM CASES.

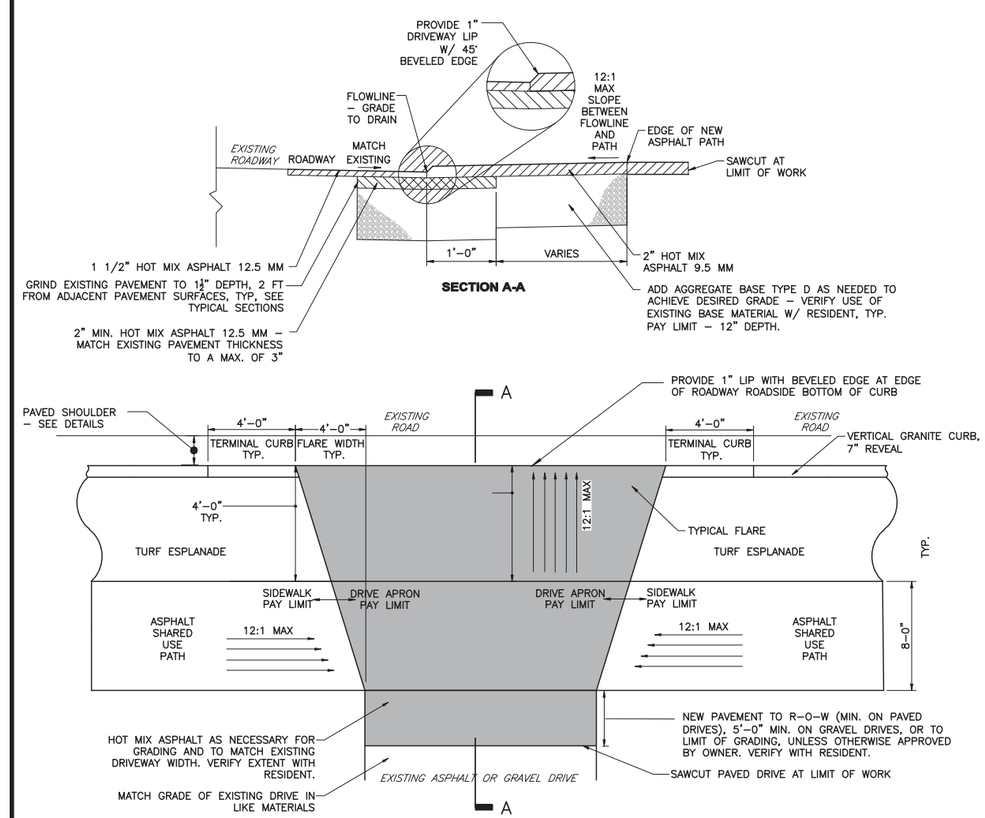
3. WHEN GRADING DRIVES WHICH ARE FLATTER THAN THE MAXIMUM PROFILES THE FOLLOWING RULE OF THUMB SHOULD BE USED: DO NOT EXCEED A GRADE % CHANGE OF MORE THAN 9% IN A 6-FOOT INCREMENT OF DRIVEWAY LENGTH. THIS APPLIES TO BOTH UP AND DOWN PROFILES.

4. ENTRANCES WITH GRADES EXCEEDING 15% MUST HAVE A DESIGN EXCEPTION APPROVED BY THE PROGRAM MANAGER (OR DESIGNEE). FIELD ENTRANCES WITH GRADES EXCEEDING 22% MUST HAVE A DESIGN EXCEPTION.

5. ANY DESIGN CHANGES TO AN EXISTING ENTRANCE THAT IS STEEPER THAN (+ OR –) 6% THAT ADVERSELY CHANGES THE GRADE (+ OR –) BY MORE THAN 3% WILL REQUIRE A DESIGN EXCEPTION APPROVED BY THE PROGRAM MANAGER (OR DESIGNEE).

## TYPICAL ENTRANCE PROFILE (SIDEWALK AND ESPLANADE)

NTS




## PRIVATE RESIDENTIAL DRIVE APRON DETAIL

NTS

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |

DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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Engineering a Better Environment
Offices Throughout New England
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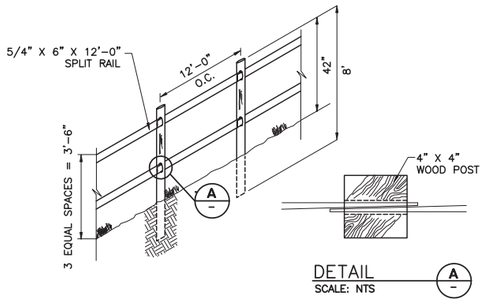
TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

DETAILS II

DRAWING
C-20

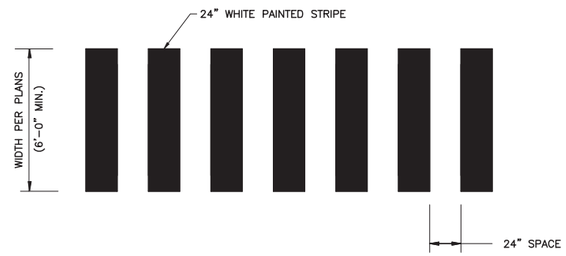
G:\DWGS\ME\KITTERY\12533-ROUTE1BYPASSSHAREDUSEPATH\12533A-FD\CIV\12533AC20.DWG | 12533c20 | 1:4.56 | ---- | 2/17/2016 10:47:24 AM | CHRIS.CRONIN

LAST SAVED BY: JZC 2/10/2016 12:42 PM



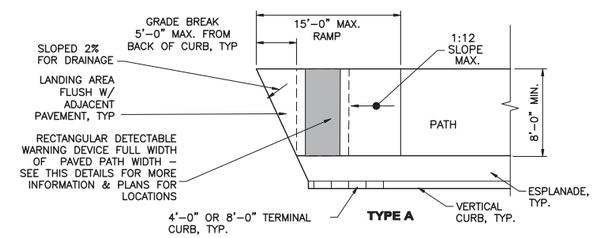

NOTE:
1. ALL WOOD MATERIALS SHALL BE NORTHERN WHITE CEDAR
2. PROVIDE TERMINAL SECTION AT BEGINNING AND END OF FENCE RUN. ON TERMINAL SECTIONS, THERE SHALL BE NO OUTSIDE POST. THE LOWER RAIL SHALL REST ON THE GROUND, AND THE TOP RAIL SHALL REST ON THE LOWER RAIL.

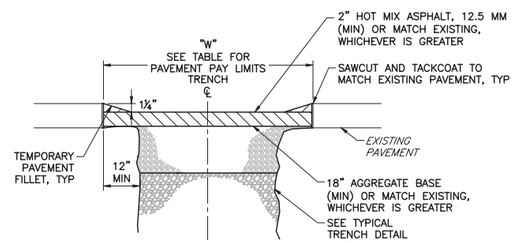
## CEDAR FENCE
NTS




## PAINTED CROSSWALK
NTS

**PRELIMINARY FOR REVIEW ONLY - NOT FOR CONSTRUCTION**

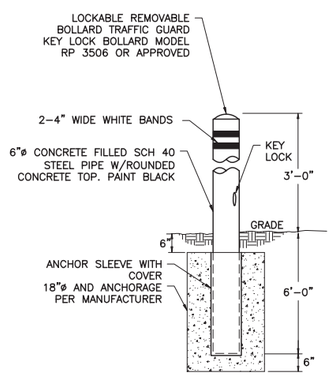


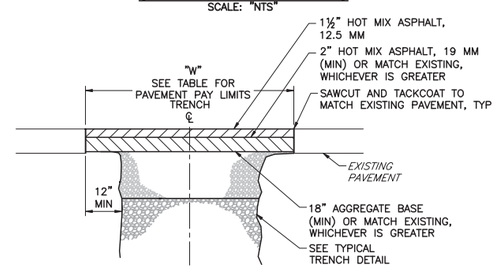

| PAVEMENT PAY LIMITS | |
|---|---|
| PIPE I.D. | "W" (FOR 0' – 10' DEEP) |
| 6" – 15" | 7'-0" |
| 16" – 21" | 8'-0" |

"W" SHALL BE INCREASED BY 1'-0" FOR TRENCHES 10' – 15', AND BY 2'-0" FOR TRENCHES 15' – 20' DEEP.

## INITIAL TRENCH PAVING (WITHOUT OVERLAY)
SCALE: "NTS"

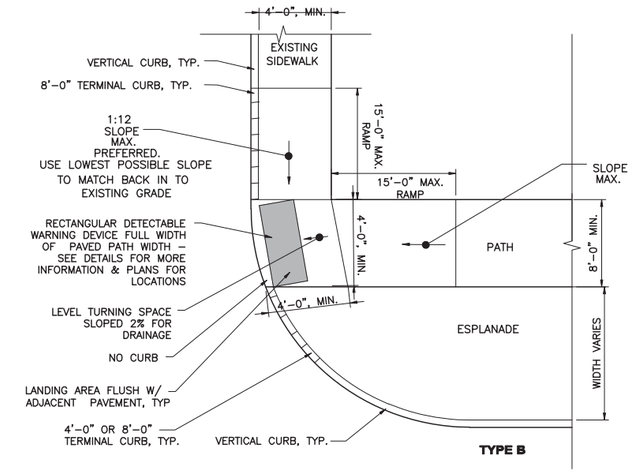



## REMOVABLE BOLLARD
NTS




NOTE: INITIAL TRENCH PAVING MAY BE USED AS THE BASE COURSE FOR FINAL PAVING IF IN GOOD REPAIR.

## FINAL TRENCH PAVING (WITHOUT OVERLAY)
SCALE: "NTS"




NOTE:
1. RAMPS SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
2. INSTALL DETECTABLE WARNING DEVICES AT ALL ROADWAYS, HIGH USE ACCESS WAYS, OR AT THE DIRECTION OF THE ENGINEER.
3. THE MAXIMUM RUNNING SLOPE OF ANY TRANSITION RAMP IS 12:1. THE MAXIMUM CROSS SLOPE IS 2%. THE SLOPE OF THE LANDING SHALL NOT EXCEED 2% IN ANY DIRECTION.
4. TRANSITIONS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. ROADWAY SHOULDER SLOPES ADJOINING TRANSITION RAMPS SHALL BE A MAXIMUM OF 5% (FULL WIDTH) FOR A DISTANCE OF 600 MM (2 FT) FROM THE ROADWAY CURBLINE.
5. INTERCEPT DRAINAGE ALONG THE CURB IN ADVANCE OF TRANSITION RAMPS OF LANDINGS. MANHOLES, CATCH BASINS, ETC. SHALL NOT BE LOCATED IN, OR AT THE BASE OF, TRANSITION RAMPS OR LANDINGS.
6. THE BOTTOM OF THE TRANSITION RAMP OR LANDING, EXCLUSIVE OF THE FLARED SIDES, SHALL BE WHOLLY CONTAINED WITHIN THE CROSSWALK MARKINGS.
7. PROVIDE PAVED RAMP AT DRIVEWAYS, WHERE ESPLANADE IS 2'-6" OR NARROWER.
8. PROVIDE PAVED TRANSITION RAMP AT END OF ALL SIDEWALK SEGMENTS.
9. IF CONSTRAINED ON TWO OR MORE SIDES, LEVEL TURN SPACE SHALL BE 4'-0" MIN. BY 5'-0" MIN. THE 5'-0" MIN. DIMENSION SHALL BE IN THE DIRECTION PARALLEL TO THE CURBLINE.

## TRANSITION RAMP
NTS

| NO | SUBMISSIONS/REVISIONS | APP'D | DATE |
|---|---|---|---|
| | DRAFT PIC SUBMISSION | JZC | 2-16 |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |

DESIGNED BY: JZC
CAD COORD: CGH
CAD: MRL
CHECKED BY: JBW
DATE: 10-2-15
APPROVED BY: JZC
DATE: 10-2-15
PROJECT NO: 12533A

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TOWN OF KITTERY
ROUTE 1 SHARED USE PATH
KITTERY, ME

CIVIL DETAILS III

DRAWING
C-21

G:\DWGS\ME\KITTERY\12533-ROUTE1BYPASSSHAREDUSEPATH\12533A-FD\CIV\12533AC21.DWG | 12533aC21 | 1:4.56 | ---- | 2/17/2016 10:47:39 AM | CHRIS.CRONIN

# TOWN OF KITTERY

## 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
Centerline-Existing
Centerline-Proposed
Travelway-Existing
Travelway-Proposed
Railroad
Catch Basins — Existing — Proposed
Manholes — Existing — Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch
Utlity Poles — Existing — Proposed
Fire Hydrants — Existing — Proposed
Existing Water Line
Existing San. Sewer
Existing Force Main
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

# KITTERY MEMORIAL CIRCLE

## YORK COUNTY

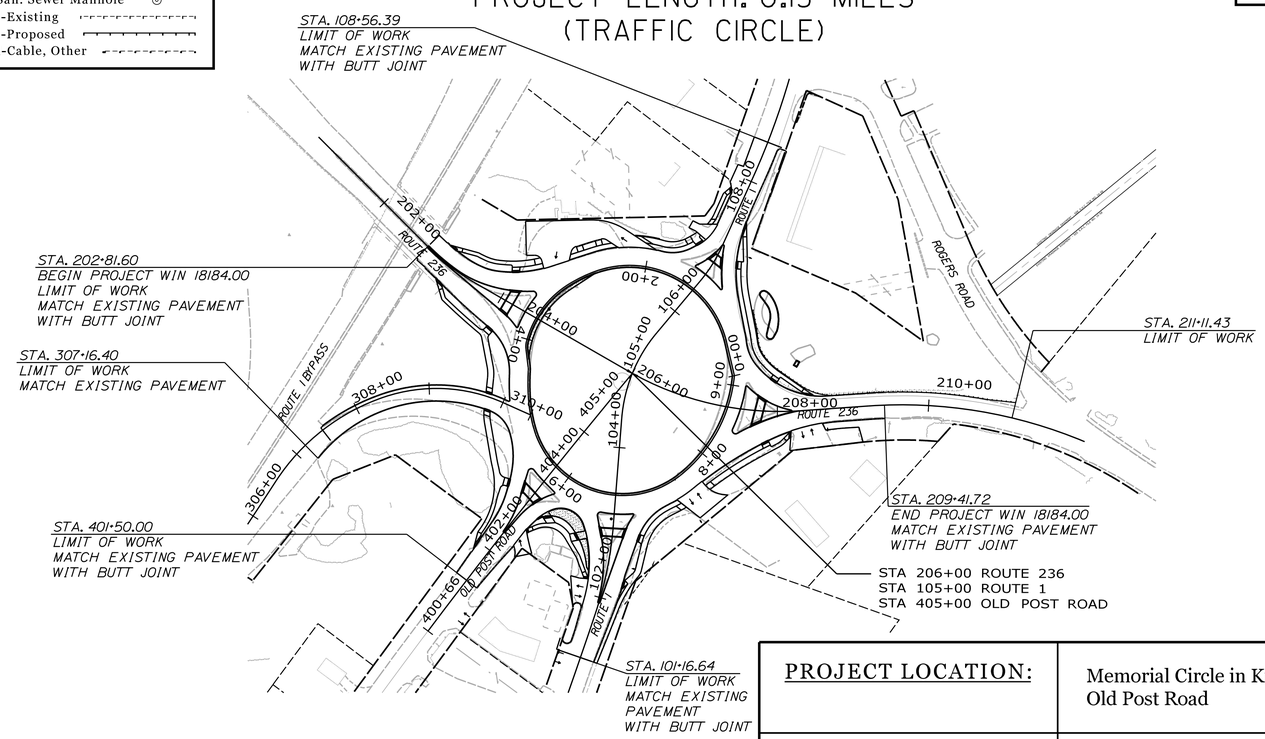
ROUTE 1, ROUTE 236
& OLD POST ROAD

## WIN 18184.00

PROJECT LENGTH: 0.13 MILES
(TRAFFIC CIRCLE)

## INDEX OF SHEETS


| Description | Sheet No. |
|---|---|
| Title Sheet | 1 |
| Typical Sections | 2-3 |
| General Notes | 4 |
| Plans | 5-6 |
| Grading Plan | 7 |
| Profiles | 8-10 |
| Geometric Plan | 11 |
| Striping Plan (Single Lane Layout) | 12-13 |
| Striping Plan (Multi-Lane Layout) | 14-15 |
| Cross Sections | 16-38 |


LAYOUT SCALE

100 0 100 200

Scale in Feet

| | |
|---|---|
| PROJECT LOCATION: | Memorial Circle in Kittery at the intersection of Route 1, Route 236 and Old Post Road |
| PROGRAM AREA: | Maine DOT, Multimodal Program |
| SCOPE OF WORK: | A new off ramp for Route 1 Bypass,Traffic Circle and sidewalk improvements |

PROGRESS PLANS
FEBRUARY 17, 2016

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WIN 18184.00

TOWN OF KITTERY

WIN 18184.00 HIGHWAY PLANS

PROJECT INFORMATION

| | |
|---|---|
| PROGRAM | MULTIMODAL |
| PROJECT MANAGER | BRIAN KEEZER |
| DESIGNER | DON ETTINGER |
| DESIGNER | GORRILL PALMER |
| PROJECT RESIDENT | |
| CONTRACTOR | |
| PROJECT COMPLETION DATE | |

SIGNATURE
P.E. NUMBER
DATE

KITTERY MEMORIAL CIRCLE

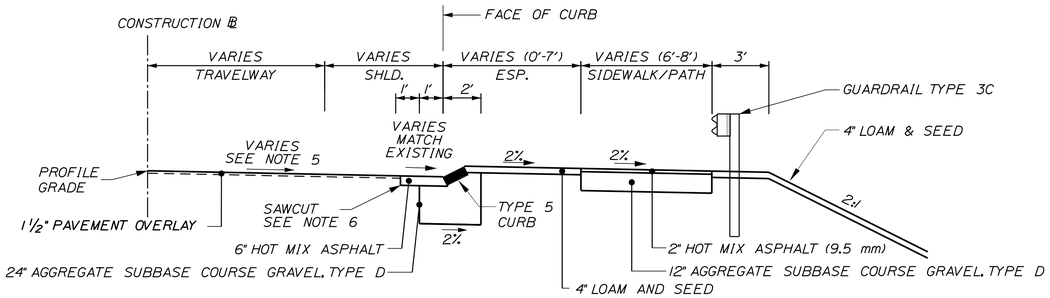
TITLE SHEET

SHEET NUMBER

1

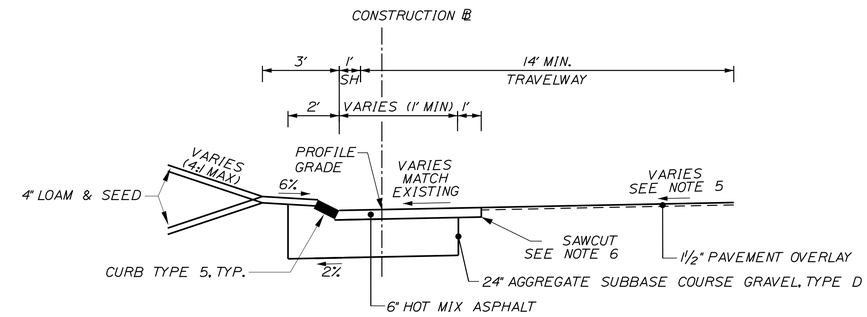
OF 38

Filename: ...\00\Highway\001_TITLE.dgn Division: HIGHWAY Username: jwinchenbach Date:2/17/2016



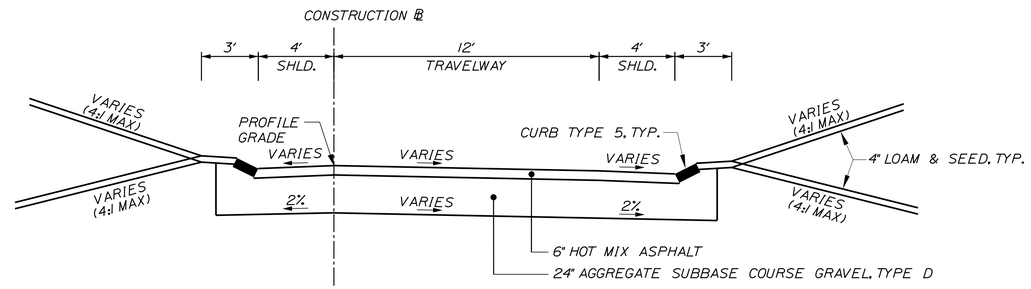

## TYPICAL SECTION
## PAVEMENT OVERLAY WITH CURB, ESPLANADE, SIDEWALK AND GUARDRAIL

STA. 0+70 RT. TO 208+39 LT.



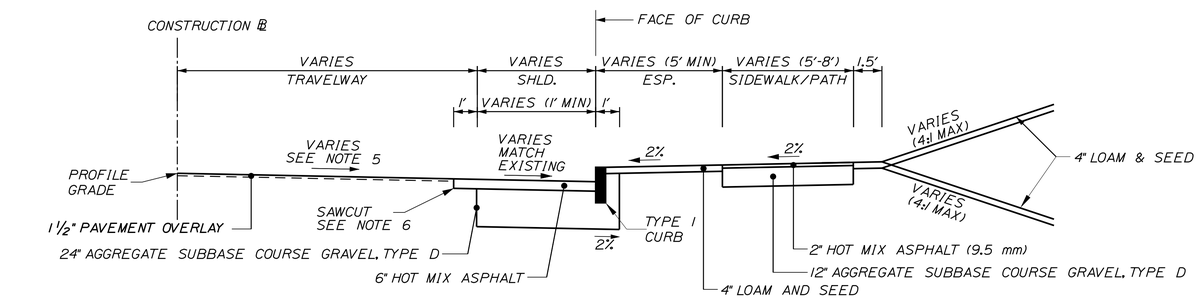

## CENTER ISLAND DETAIL

STA 0+00 TO 2+70 LT
STA 4+25 TO 9+13 LT



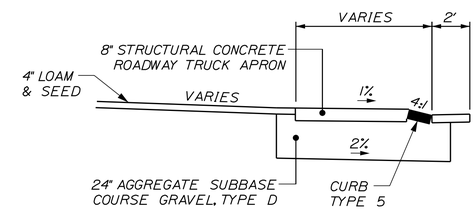

## ROUTE 1 BYPASS OFF RAMP

STA 307+47 TO 310+08



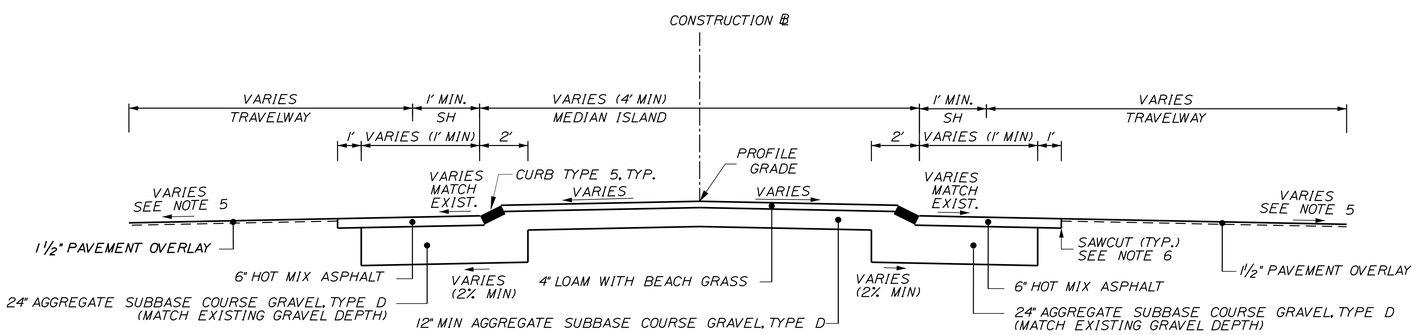

## TYPICAL SECTION
## PAVEMENT OVERLAY WITH TYPE 1 CURB, ESPLANADE AND SIDEWALK

STA 101+17 TO 102+16 RT
STA 107+31 TO 107+78 LT
STA 203+24 TO 204+02 RT




## STRUCTURAL CONCRETE ROADWAY TRUCK APRON

STA 2+70 TO 4+25 LT
STA. 102+33 LT TO 402+71 RT




## MEDIAN ISLAND DETAIL

STA. 101+92 TO 103+13
STA. 106+63 TO 107+09
STA. 202+82 TO 204+37
STA. 207+51 TO 208+20
STA. 402+29 TO 403+16

NOTES:

1. THE PAVEMENT AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. THE ALGEBRAIC DIFFERENCE BETWEEN SHOULDER AND TRAVEL LANE CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
3. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER. THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
4. CROWNS FOR BOTH NORMAL AND SUPERELEVATED SECTIONS FOR ALL COURSES OF THE SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
5. MATCH EXISTING TRAVELWAY SLOPE.
6. THE PAVEMENT SAWCUT LINE LOCATION IN THE FULL DEPTH RECONSTRUCTION AREAS SHALL BE DEFINED AS THE MOST RESTRICTIVE CRITERIA NOTED BELOW, WHICH WILL RESULT IN THE PAVEMENT SAW CUT LINE TO BE NEAREST TO THE CONSTRUCTION BASELINE:
   A. 24" INSIDE OF THE EXISTING EDGE OF PAVEMENT LINE
   B. 24" INSIDE OF THE PROPOSED EDGE OF PAVEMENT LINE
   C. 12" INSIDE THE VERTICAL EDGE OF THE INSIDE UNDER DRAIN TRENCH LIMITS
7. THE SHOULDER PAVEMENT THICKNESS SHALL BE THE SAME AS THE TRAVELWAY PAVEMENT THICKNESS FOR ALL ROADWAYS.
8. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
9. WHERE SIDEWALK ADA RAMPS ARE PROPOSED ADJACENT TO CONCRETE TRUCK APRONS. SLOPE OF APRONS SHALL TRANSITION AS REQUIRED TO ENSURE ADA COMPLIANT RAMPS ARE ACHIEVED.

NOT TO SCALE

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TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| | B. KEEZER | BY | DATE |
|---|---|---|---|
| PROJ. MANAGER | | | |
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

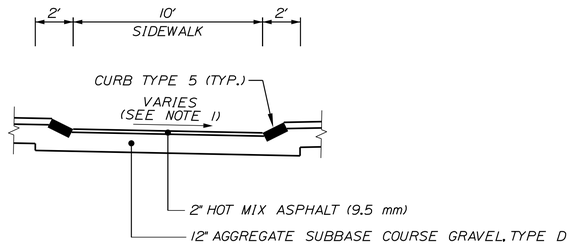
TYPICAL SECTIONS

SHEET NUMBER

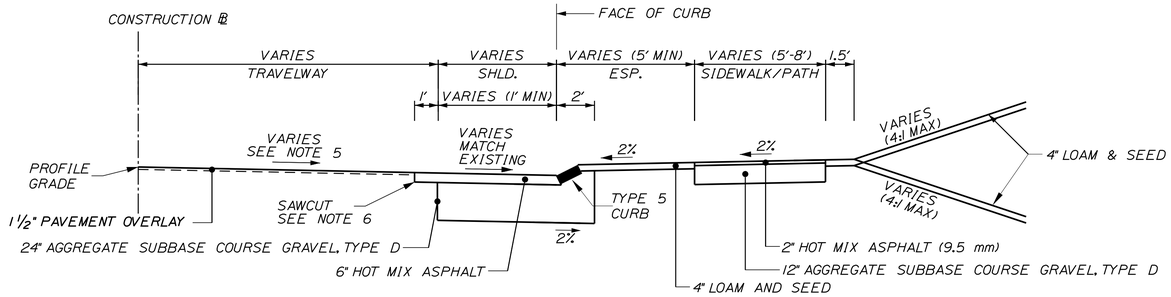
2

OF 38

Filename: ...\00\Highway\002_TYPICAL.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

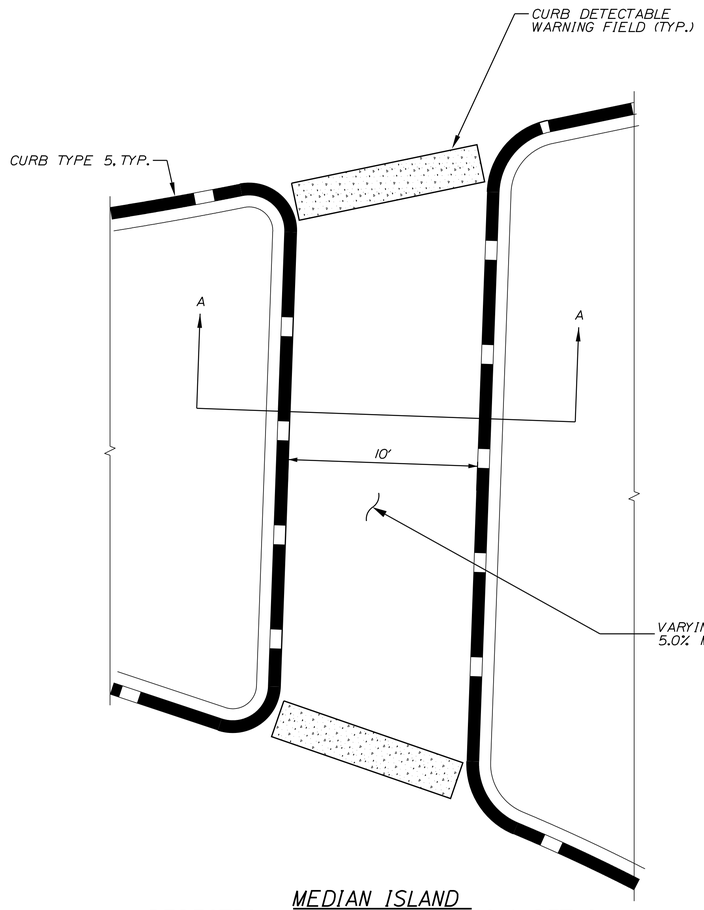



## SECTION A-A

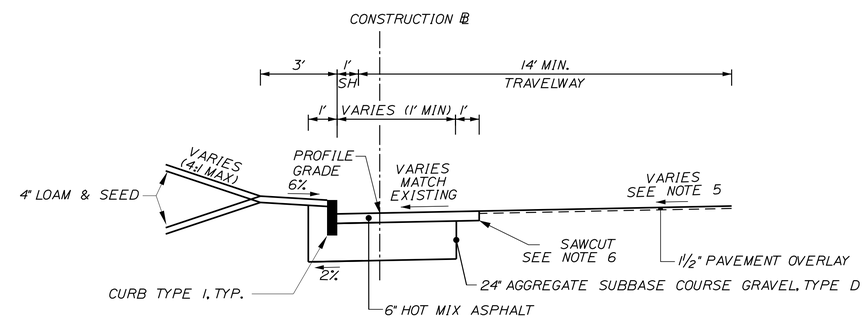



## TYPICAL SECTION
## PAVEMENT OVERLAY WITH TYPE 5 CURB, ESPLANADE AND SIDEWALK

STA. 402+02 LT. TO 309+88 RT.
STA. 309+83 LT. TO 204+12 RT.
STA. 203+14 LT. TO 204+30 LT.
STA. 106+46 LT. TO 106+91 LT.
STA. 107+36 RT. TO 208+39 LT.
STA. 102+26 RT. TO 208+17 RT.
STA. 102+21 LT. TO 102+33 LT.
STA. 402+52 RT. TO 402+71 RT.

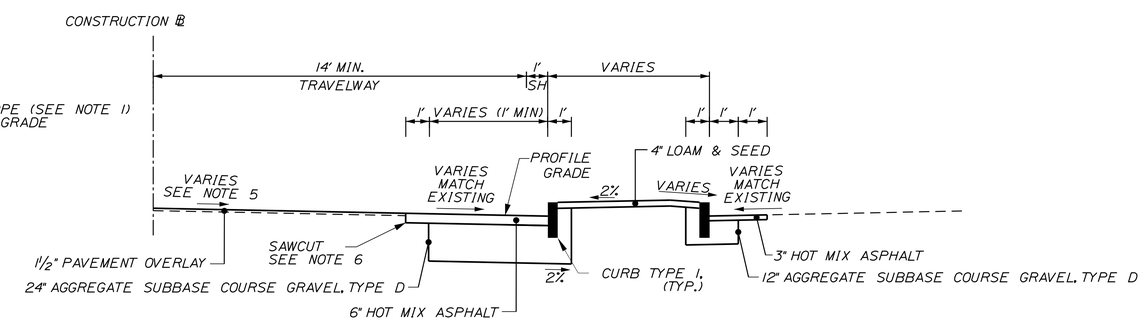



## MEDIAN ISLAND
## PEDESTRIAN AT GRADE CROSSING DETAIL




## VERTICAL CURB DETAIL

STA 101+28 TO 101+85 LT
STA 107+50 TO 107+92 RT
STA 202+98 TO 203+15 RT
STA 208+58 TO 209+42 RT
STA 401+50 TO 402+25 RT
STA 401+50 TO 401+83 LT




## BACK CURBING DETAIL

STA 107+92 TO 108+53

NOT TO SCALE

NOTES:
1. CROSS SLOPES SHALL BE 2% MAX WHERE PRACTICAL. IN LOCATIONS WHERE THE EXISTING ROADWAY PROFILE IS GREATER THAN 2%, CROSS SLOPES MUST VARY TO MATCH PROFILE GRADE AT INTERFACES WITH ROADWAYS.

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TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY
MEMORIAL CIRCLE

TYPICAL SECTIONS

SHEET NUMBER
3
OF 38

Filename: ...\00\Highway\003_Typical.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

1. BELOW GRADE UTILITY INFORMATION IS BASED ON INFORMATION PROVIDED BY EACH UTILITY. LOCATION OF PUBLIC UTILITIES SHOWN IS ONLY APPROXIMATE AND MAY NOT BE COMPLETE. PRIVATE UNDERGROUND UTILITIES SUCH AS, BUT NOT LIMITED TO, SEWER LINES, WATER LINES AND BURIED ELECTRICAL SERVICE ENTRANCES ARE NOT SHOWN. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING UTILITIES IN THE FIELD WITH THE RESPECTIVE UTILITY COMPANY REPRESENTATIVE PRIOR TO COMMENCING WORK. REFER TO THE SPECIFICATIONS. NO GUARANTEE IS MADE THAT UTILITIES OR STRUCTURES WILL BE ENCOUNTERED WHERE SHOWN OR THAT ALL UNDERGROUND UTILITIES AND STRUCTURES ARE SHOWN. ALL LOCATIONS AND SIZES OF EXISTING UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD WITH TEST PITS AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION OF NEW FACILITIES OR PIPING THAT MAY BE AFFECTED. ADDITIONAL TEST PITS, BEYOND THOSE SHOWN, MAY BE REQUIRED. THE CONTRACTOR WILL REALIGN NEW PIPE LOCATIONS AS REQUIRED TO CONFORM TO EXISTING LINES AND AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL NOTIFY DIG SAFE PRIOR TO DIGGING.

UTILITY CONTACTS ARE AS FOLLOWS:

CENTRAL MAINE POWER COMPANY:
ATTN: WAYNE BROWN
TEL. (207) 242-0673

COMCAST:
ATTN: GEORGE KIRKWOOD
TEL. (603) 679-5695 EXT. 1007

FAIRPOINT COMMUNICATIONS:
ATTN: DAVID KESTNER
TEL. (603) 703-9311

TOWN OF KITTERY:
DEPARTMENT OF PUBLIC WORKS
ATTN: NORMAN ALBERT
TEL. (207) 475-3496

KITTERY WASTEWATER DEPARTMENT:
ATTN: GEORGE KATHIOS
TEL. (207) 439-4646

DIGSAFE:
1-888-DIG-SAFE

KITTERY WATER DISTRICT:
ATTN: MIKE ROGERS
TEL. (207) 451-8316

UNITIL:
ATTN: JOE RENDA
TEL. (207) 541-2568

2. EXISTING PAVEMENT OUTSIDE LIMITS OF PROPOSED ROADWAYS AND WITHIN PROPOSED LIMITS OF CONSTRUCTION SHALL BE REMOVED. AREAS OF PAVEMENT REMOVAL SHALL BE FILLED, LOAMED AND SEEDED UNLESS OTHERWISE SHOWN ON PLANS. PAYMENT FOR EXCAVATION SHALL BE MADE UNDER ITEM 203.20 COMMON EXCAVATION.

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TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

GENERAL NOTES

SHEET NUMBER

4

OF 38

NOTES:
1. SEE GEOMETRIC PLAN FOR ALIGNMENT INFORMATION.

ROUTE 1 BYPASS

STA. 202+81.60
BEGIN PROJECT WIN 18184.00
LIMIT OF WORK
MATCH EXISTING PAVEMENT
WITH BUTT JOINT

PENN CONDOMINIUM ASSOCIATION

STA. 307+16.40
LIMIT OF WORK
MATCH EXISTING PAVEMENT

PATRICK L. J. VIELLEUX

REMOVE EXISTING PAVEMENT, LOAM AND SEED AREA

STA. 401+50.00
LIMIT OF WORK
MATCH EXISTING PAVEMENT
WITH BUTT JOINT

UTILITY TEST PIT (BY OTHERS)

TO BE REMOVED

ADJUST CB TO GRADE

ADJUST CB TO GRADE

ADJUST CATCH BASIN TO GRADE

MAINTAIN PAVED SWALE

CHRISTYS REALTY LIMITED PARTNERSHIP
THE SOUTHLAND CORPORATION

REMOVE

CONCRETE TRUCK APRON (TYP.)

ADJUST CATCH BASIN TO GRADE

REMOVE

REBUILD CB

REMOVE

18" RCP CLASS III

ALTER CB TO MH

18" RCP CLASS III

REBUILD CB

ADJUST MANHOLE TO GRADE

UTILITY TEST PIT (BY OTHERS)

REBUILD CB

STA. 0+00.00 = STA. 9+12.68
CENTER ISLAND

OSCAR D. BORETH

DAVID W. NEWSON

REMOVE

STA. 108+56.39
LIMIT OF WORK
MATCH EXISTING PAVEMENT
WITH BUTT JOINT

UTILITY TEST PIT (BY OTHERS)

CMP #28

REMOVE

GUARDRAIL TERMINAL END

REMOVE

REBUILD RIPRAP SPILLWAY AT NEW LOCATION. COORDINATE WORK WITH RESIDENT

GUARDRAIL TYPE 3C

M H PARSONS & SONS LUMBER CO.

CMP #44

ROUTE 1

STATE ROAD (ROUTE 1)

OLD POST ROAD

CONSTRUCTION

ROUTE 1 BYPASS RAMP

RTE 236

PLAN

25 0 25 50
Scale of Feet

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TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
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| REVISIONS 1 | ------ | ------ | ------ |
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| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

# KITTERY MEMORIAL CIRCLE

# PLANS

SHEET NUMBER

5

OF 38

Filename: ...\00\Highway\005_Plan1.dgn Division: HIGHWAY Username: jwinchenbach Date:2/17/2016

Filename: ...\00\Highway\006_Plan2.dgn Division: HIGHWAY Username: jwinchenbach Date:2/17/2016

ADJUST CB TO GRADE
ADJUST CATCH BASIN TO GRADE
MAINTAIN PAVED SWALE
30" OPTION III
30" RCP CLASS III
ADJUST MANHOLE TO GRADE
STA. 0+00.00 = STA. 9+12.68
CENTER ISLAND
CONSTRUCTION ℄
CHRISTYS REALTY LIMITED PARTNERSHIP THE SOUTHLAND CORPORATION
REMOVE
CONCRETE TRUCK APRON (TYP.)
UTILITY TEST PIT (BY OTHERS)
REBUILD CB
ADJUST CATCH BASIN TO GRADE
REMOVE
CMP #44
CONSTRUCTION ℄
ROUTE 1
UTILITY TEST PIT (BY OTHERS)
STA. 101+16.64
LIMIT OF WORK
MATCH EXISTING PAVEMENT
WITH BUTT JOINT
36" RCP CLASS III
CMP #45
CMP #46
CMP #47
REMOVE
SALOMON & ST JEAN, INC.
A/K/A SALOMON & SONE, INC.
CHARLES E. BOLD
PAMELA P. BOND
STA. 209+41.72
END PROJECT WIN 18184.00
MATCH EXISTING PAVEMENT
WITH BUTT JOINT
KATHERINE A. DENNETT
CMP #28
REMOVE
GUARDRAIL TERMINAL END
REMOVE
M H PARSONS & SONS LUMBER CO.
REBUILD RIPRAP SPILLWAY AT NEW LOCATION. COORDINATE WORK WITH RESIDENT
GUARDRAIL TYPE 3C
8" RCP CLASS III
RIPRAP OUTLET
GUARDRAIL TYPE 3C
RTE 236
ROGERS ROAD
GUARDRAIL 350 FLARED TERMINAL
STA. 211+11.43
LIMIT OF WORK

PLAN

25 0 25 50
Scale of Feet

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TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
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| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

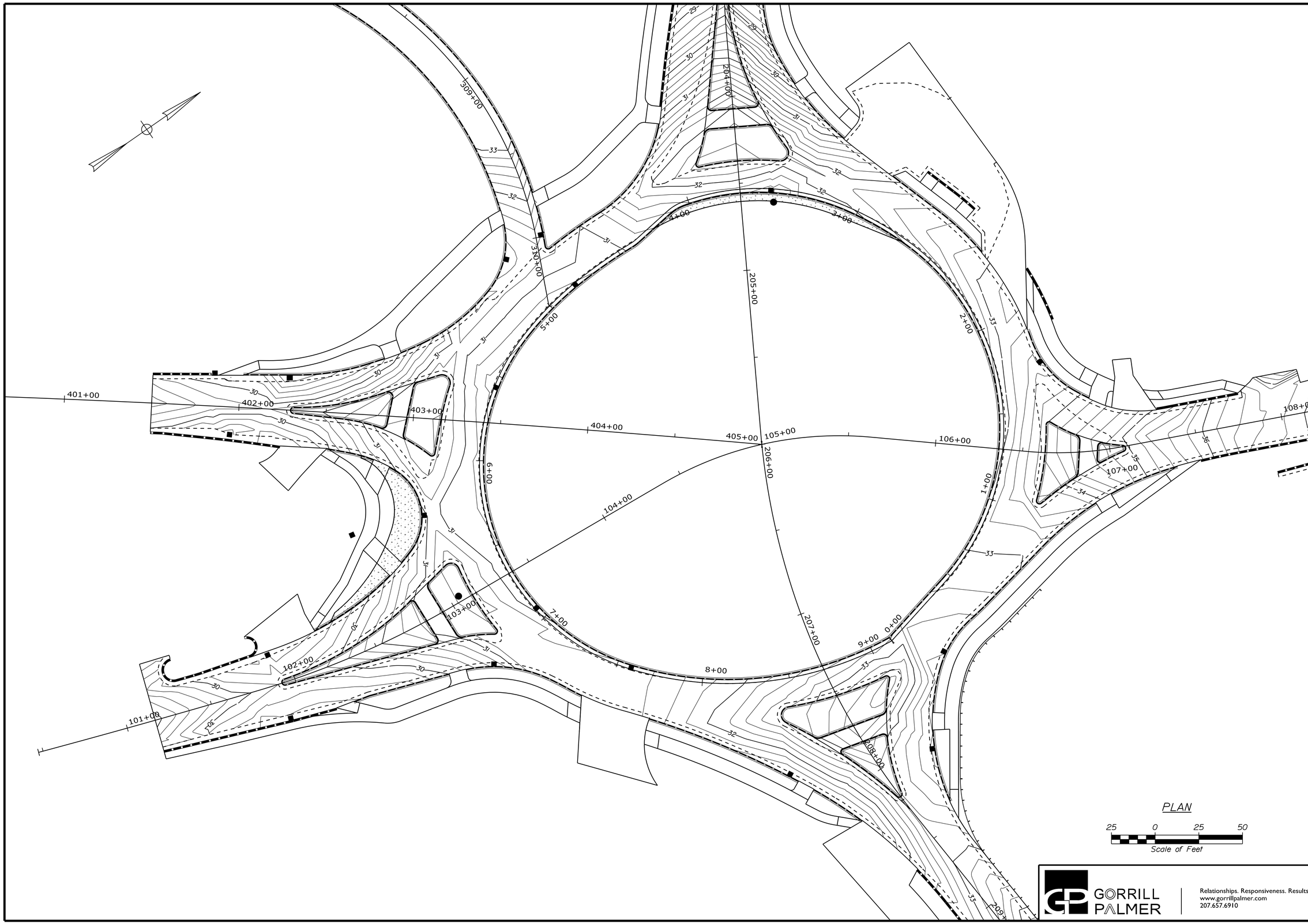
PLANS

SHEET NUMBER

6

OF 38

Filename: ...\00\Highway\007_Grading.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

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TOWN OF KITTERY

WIN
18184.00

HIGHWAY PLANS

| | BY | DATE |
|---|---|---|
| PROJ. MANAGER | B. KEEZER | |
| DESIGN-DETAILED | BMH | 02\16 |
| CHECKED-REVIEWED | DCE | 02\16 |
| DESIGN2-DETAILED2 | | |
| DESIGN3-DETAILED3 | | |
| REVISIONS 1 | | |
| REVISIONS 2 | | |
| REVISIONS 3 | | |
| REVISIONS 4 | | |
| FIELD CHANGES | | |

SIGNATURE

P.E. NUMBER

DATE

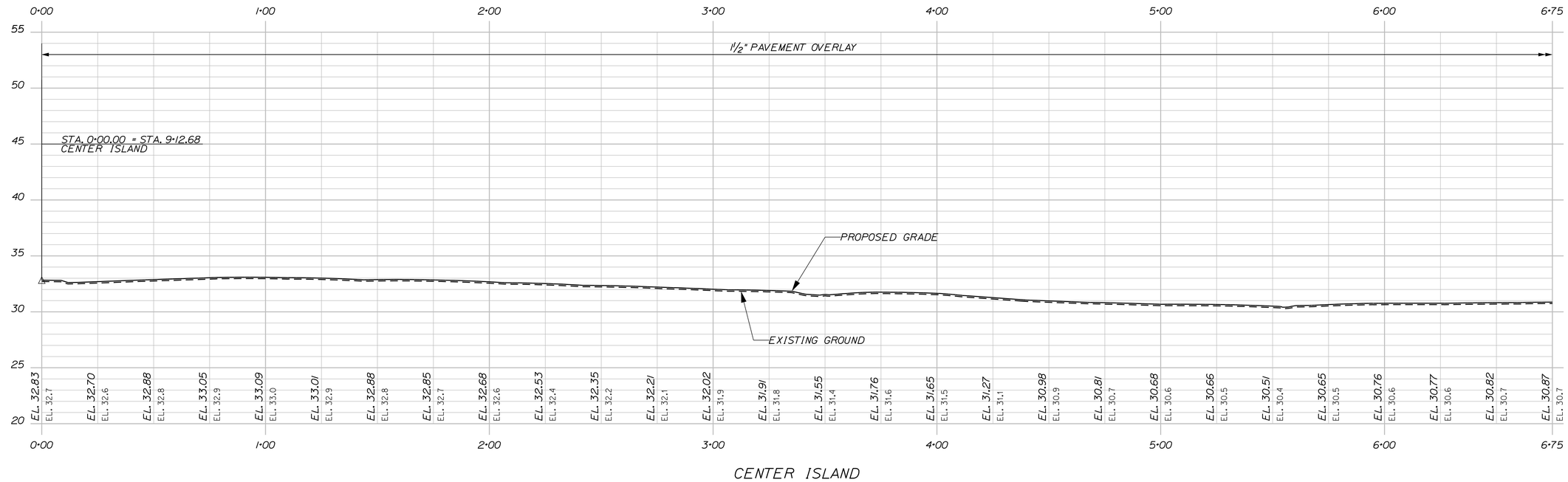
KITTERY
MEMORIAL CIRCLE

GRADING PLAN

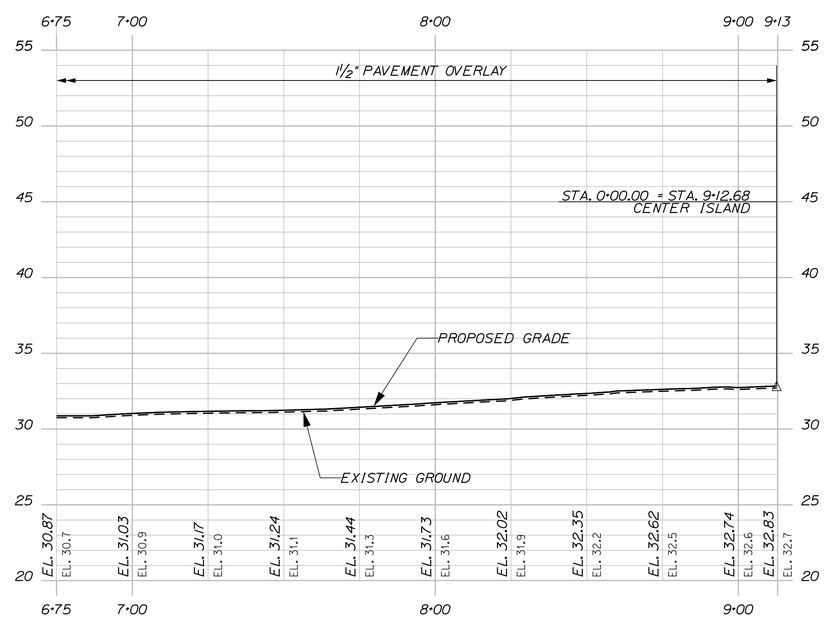
SHEET NUMBER

7

OF 38

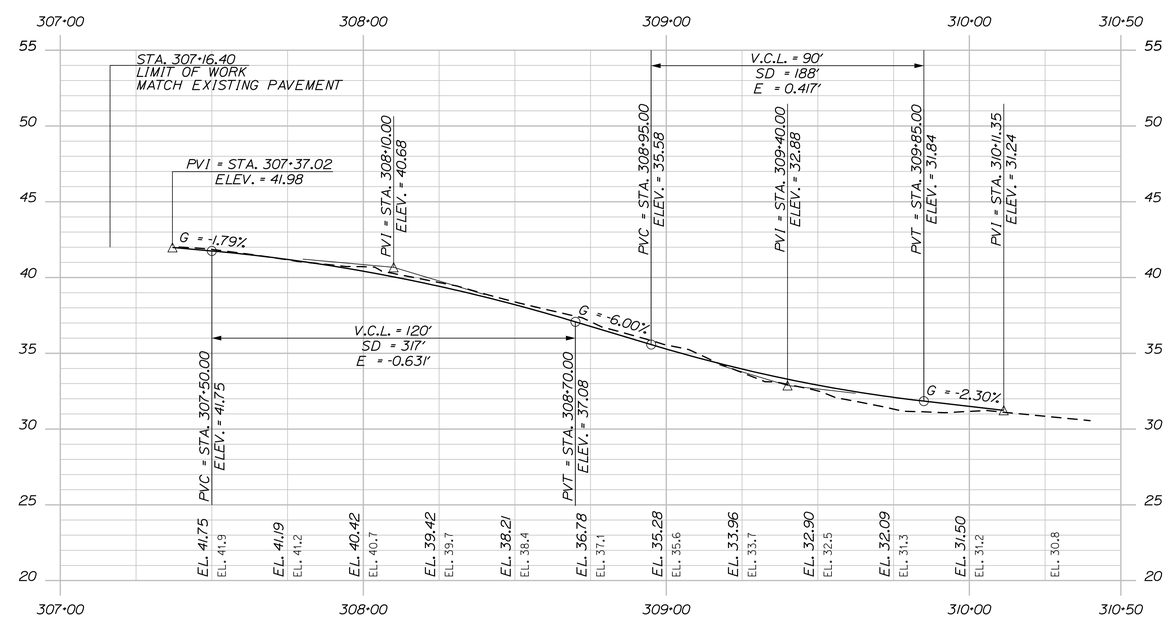



CENTER ISLAND




PROFILE

CENTER ISLAND




ROUTE 1 BYPASS OFF RAMP

Horiz. 25 0 25 50
Vert. 5 0 5 10
Scale of Feet

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TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | B. KEEZER | BY | DATE |
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
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| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

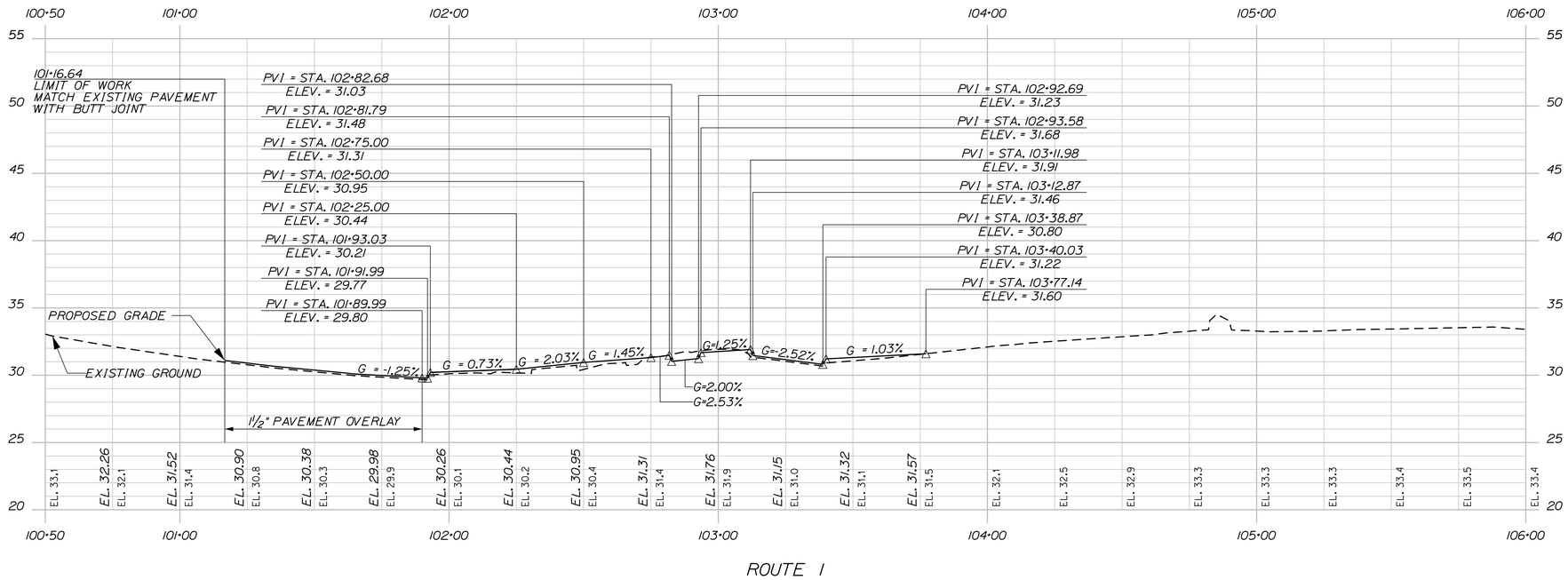
PROFILES

SHEET NUMBER

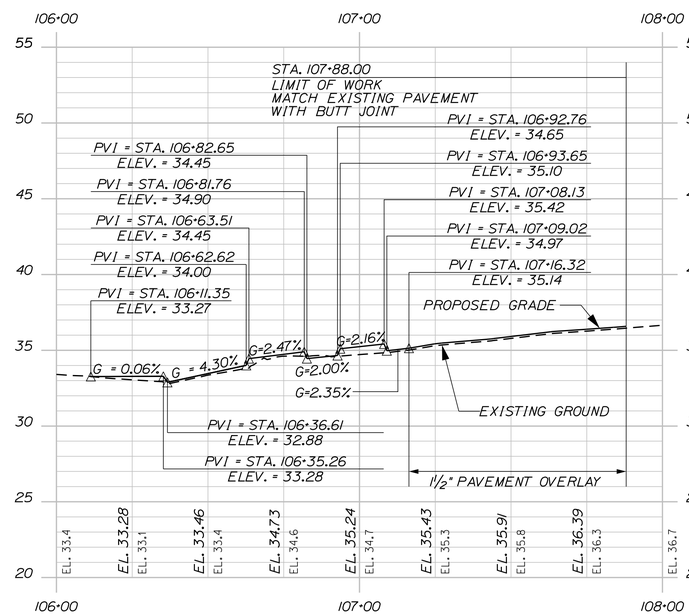
8

OF 38

Filename: ...\00\Highway\008_Profile.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

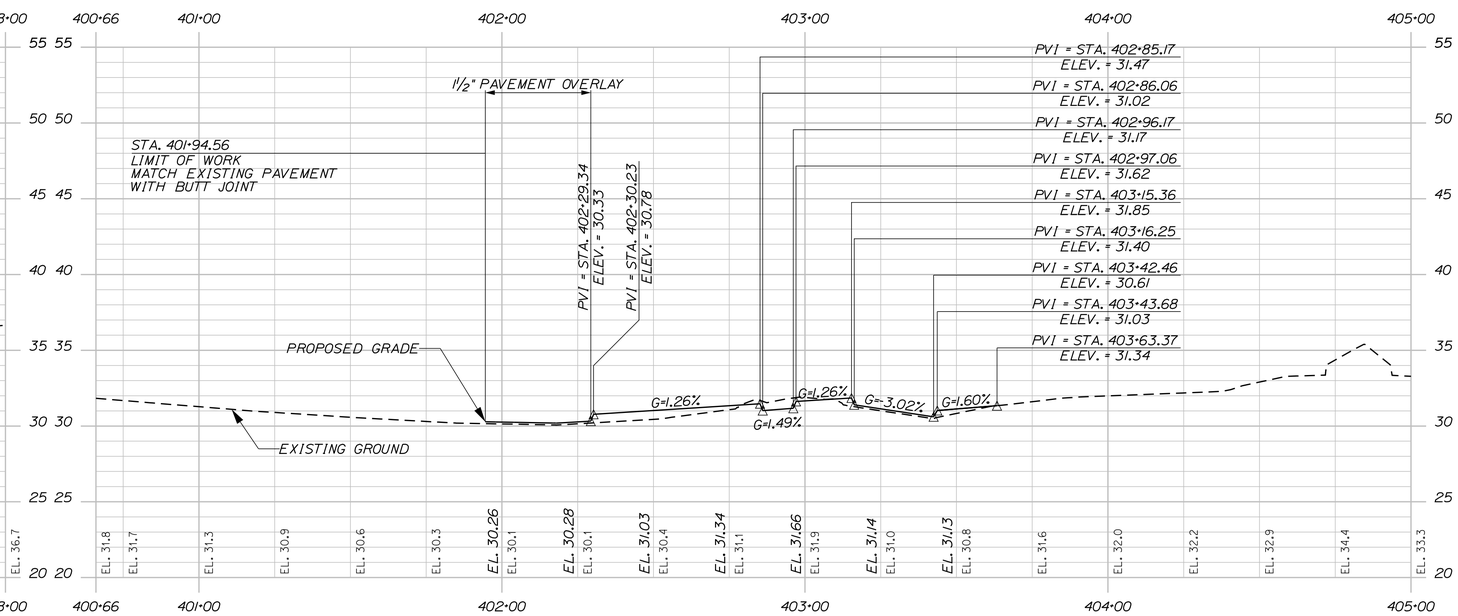



ROUTE 1




PROFILE

ROUTE 1




OLD POST ROAD

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

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TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| | | | DATE |
|---|---|---|---|
| PROJ. MANAGER | B. KEEZER | BY | |
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| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

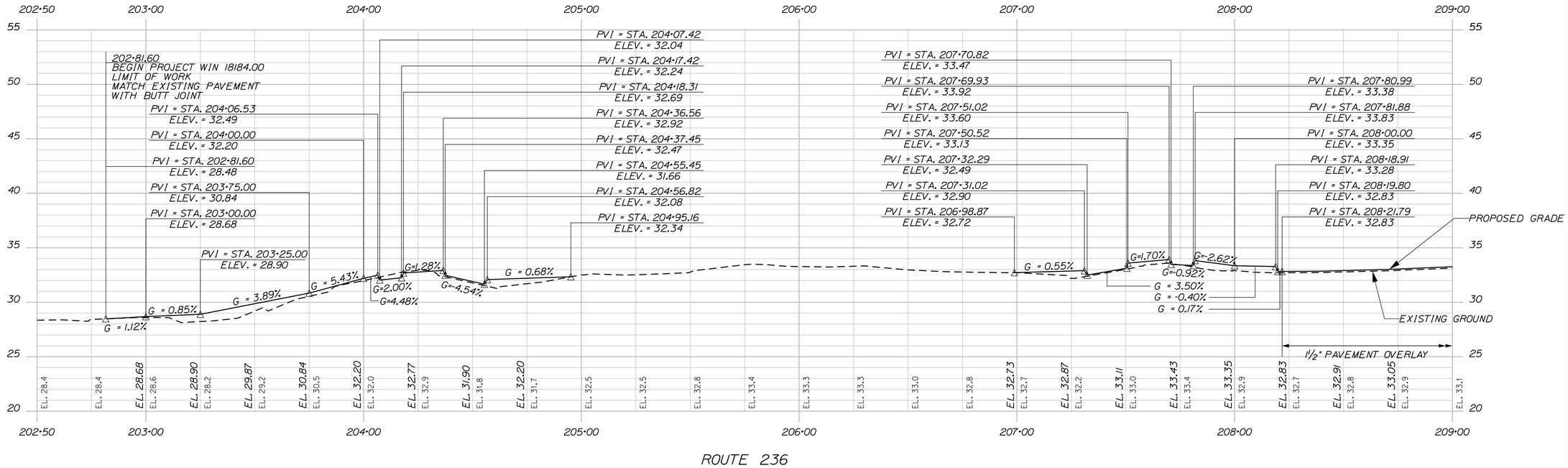
PROFILES

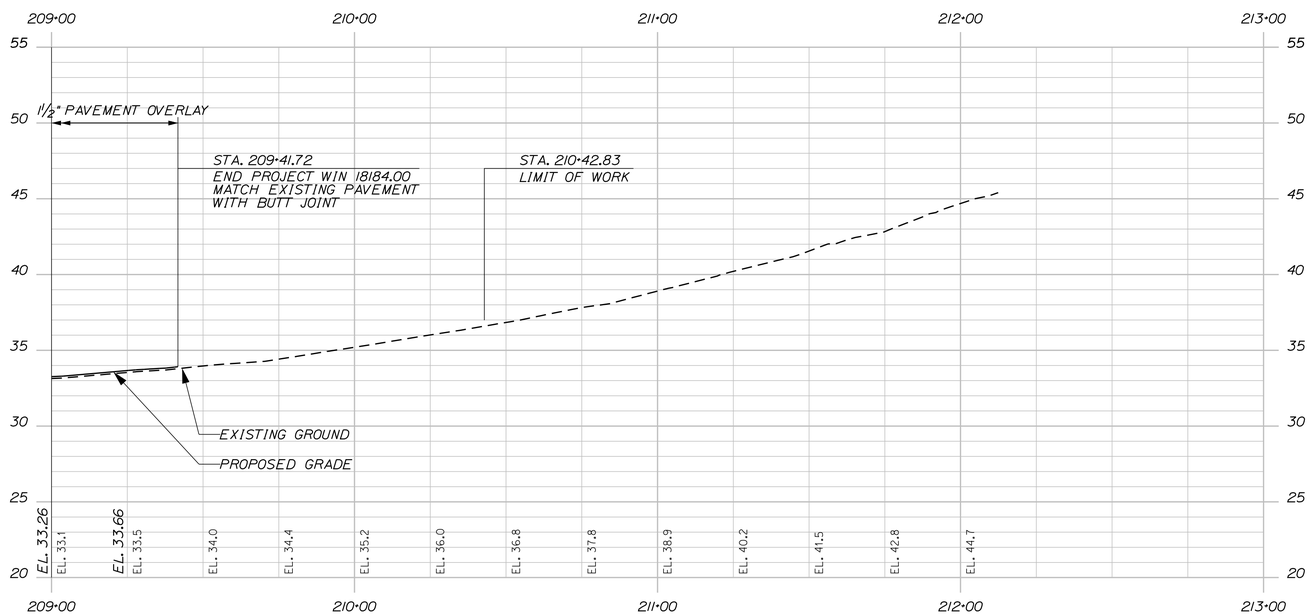
SHEET NUMBER

9

OF 38

Filename: ...\00\Highway\009_Profile.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016




PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
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| DESIGN-DETAILED | BMH | MPC | 02\16 |
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SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

PROFILES

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SHEET NUMBER

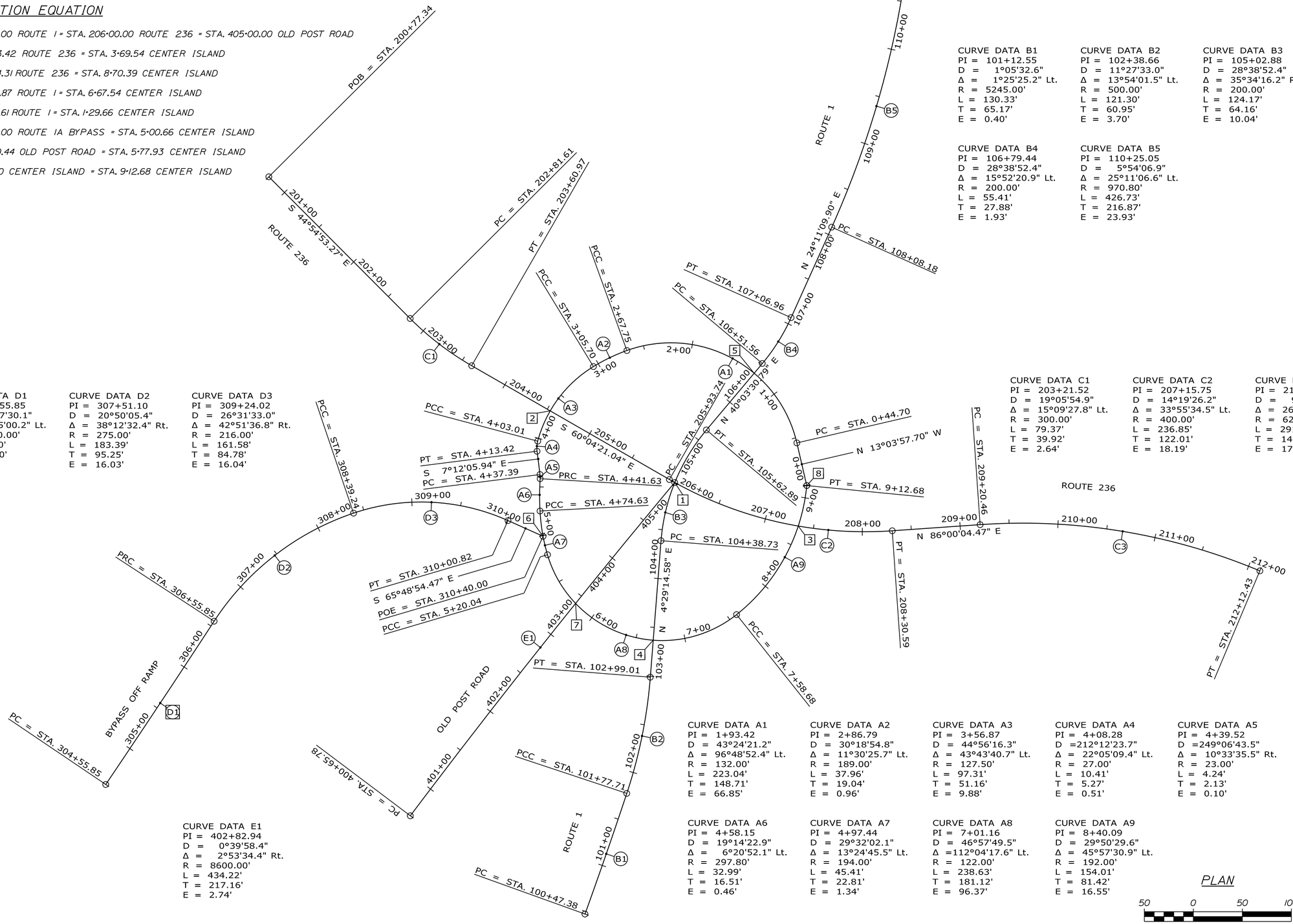
10

OF 38

Filename: ...\00\Highway\010_Profile.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

## STATION EQUATION

1. STA. 105+00.00 ROUTE 1 = STA. 206+00.00 ROUTE 236 = STA. 405+00.00 OLD POST ROAD
2. STA. 204+53.42 ROUTE 236 = STA. 3+69.54 CENTER ISLAND
3. STA. 207+34.31 ROUTE 236 = STA. 8+70.39 CENTER ISLAND
4. STA. 103+36.87 ROUTE 1 = STA. 6+67.54 CENTER ISLAND
5. STA. 106+38.61 ROUTE 1 = STA. 1+29.66 CENTER ISLAND
6. STA. 310+40.00 ROUTE 1A BYPASS = STA. 5+00.66 CENTER ISLAND
7. STA. 403+40.44 OLD POST ROAD = STA. 5+77.93 CENTER ISLAND
8. STA. 0+00.00 CENTER ISLAND = STA. 9+12.68 CENTER ISLAND




CURVE DATA B1
PI = 101+12.55
D = 1°05'32.6"
Δ = 1°25'25.2" Lt.
R = 5245.00'
L = 130.33'
T = 65.17'
E = 0.40'

CURVE DATA B2
PI = 102+38.66
D = 11°27'33.0"
Δ = 13°54'01.5" Lt.
R = 500.00'
L = 121.30'
T = 60.95'
E = 3.70'

CURVE DATA B3
PI = 105+02.88
D = 28°38'52.4"
Δ = 35°34'16.2" Rt.
R = 200.00'
L = 124.17'
T = 64.16'
E = 10.04'

CURVE DATA B4
PI = 106+79.44
D = 28°38'52.4"
Δ = 15°52'20.9" Lt.
R = 200.00'
L = 55.41'
T = 27.88'
E = 1.93'

CURVE DATA B5
PI = 110+25.05
D = 5°54'06.9"
Δ = 25°11'06.6" Lt.
R = 970.80'
L = 426.73'
T = 216.87'
E = 23.93'

CURVE DATA C1
PI = 203+21.52
D = 19°05'54.9"
Δ = 15°09'27.8" Lt.
R = 300.00'
L = 79.37'
T = 39.92'
E = 2.64'

CURVE DATA C2
PI = 207+15.75
D = 14°19'26.2"
Δ = 33°55'34.5" Lt.
R = 400.00'
L = 236.85'
T = 122.01'
E = 18.19'

CURVE DATA C3
PI = 210+69.16
D = 9°10'02.4"
Δ = 26°45'55.3" Rt.
R = 625.00'
L = 291.96'
T = 148.70'
E = 17.45'

CURVE DATA D1
PI = 305+55.85
D = 0°27'30.1"
Δ = 0°55'00.2" Lt.
R = 12500.00'
L = 200.00'
T = 100.00'
E = 0.40'

CURVE DATA D2
PI = 307+51.10
D = 20°50'05.4"
Δ = 38°12'32.4" Rt.
R = 275.00'
L = 183.39'
T = 95.25'
E = 16.03'

CURVE DATA D3
PI = 309+24.02
D = 26°31'33.0"
Δ = 42°51'36.8" Rt.
R = 216.00'
L = 161.58'
T = 84.78'
E = 16.04'

CURVE DATA E1
PI = 402+82.94
D = 0°39'58.4"
Δ = 2°53'34.4" Rt.
R = 8600.00'
L = 434.22'
T = 217.16'
E = 2.74'

CURVE DATA A1
PI = 1+93.42
D = 43°24'21.2"
Δ = 96°48'52.4" Lt.
R = 132.00'
L = 223.04'
T = 148.71'
E = 66.85'

CURVE DATA A2
PI = 2+86.79
D = 30°18'54.8"
Δ = 11°30'25.7" Lt.
R = 189.00'
L = 37.96'
T = 19.04'
E = 0.96'

CURVE DATA A3
PI = 3+56.87
D = 44°56'16.3"
Δ = 43°43'40.7" Lt.
R = 127.50'
L = 97.31'
T = 51.16'
E = 9.88'

CURVE DATA A4
PI = 4+08.28
D =212°12'23.7"
Δ = 22°05'09.4" Lt.
R = 27.00'
L = 10.41'
T = 5.27'
E = 0.51'

CURVE DATA A5
PI = 4+39.52
D =249°06'43.5"
Δ = 10°33'35.5" Rt.
R = 23.00'
L = 4.24'
T = 2.13'
E = 0.10'

CURVE DATA A6
PI = 4+58.15
D = 19°14'22.9"
Δ = 6°20'52.1" Lt.
R = 297.80'
L = 32.99'
T = 16.51'
E = 0.46'

CURVE DATA A7
PI = 4+97.44
D = 29°32'02.1"
Δ = 13°24'45.5" Lt.
R = 194.00'
L = 45.41'
T = 22.81'
E = 1.34'

CURVE DATA A8
PI = 7+01.16
D = 46°57'49.5"
Δ =112°04'17.6" Lt.
R = 122.00'
L = 238.63'
T = 181.12'
E = 96.37'

CURVE DATA A9
PI = 8+40.09
D = 29°50'29.6"
Δ = 45°57'30.9" Lt.
R = 192.00'
L = 154.01'
T = 81.42'
E = 16.55'

PLAN

50 0 50 100
Scale of Feet

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TOWN OF KITTERY

WIN 18184.00
HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DGE | -- | 02\16 |
| DESIGN2-DETAILED2 | ---- | ---- | ---- |
| DESIGN3-DETAILED3 | ---- | ---- | ---- |
| REVISIONS 1 | ---- | ---- | ---- |
| REVISIONS 2 | ---- | ---- | ---- |
| REVISIONS 3 | ---- | ---- | ---- |
| REVISIONS 4 | ---- | ---- | ---- |
| FIELD CHANGES | ---- | ---- | ---- |

SIGNATURE

P.E. NUMBER

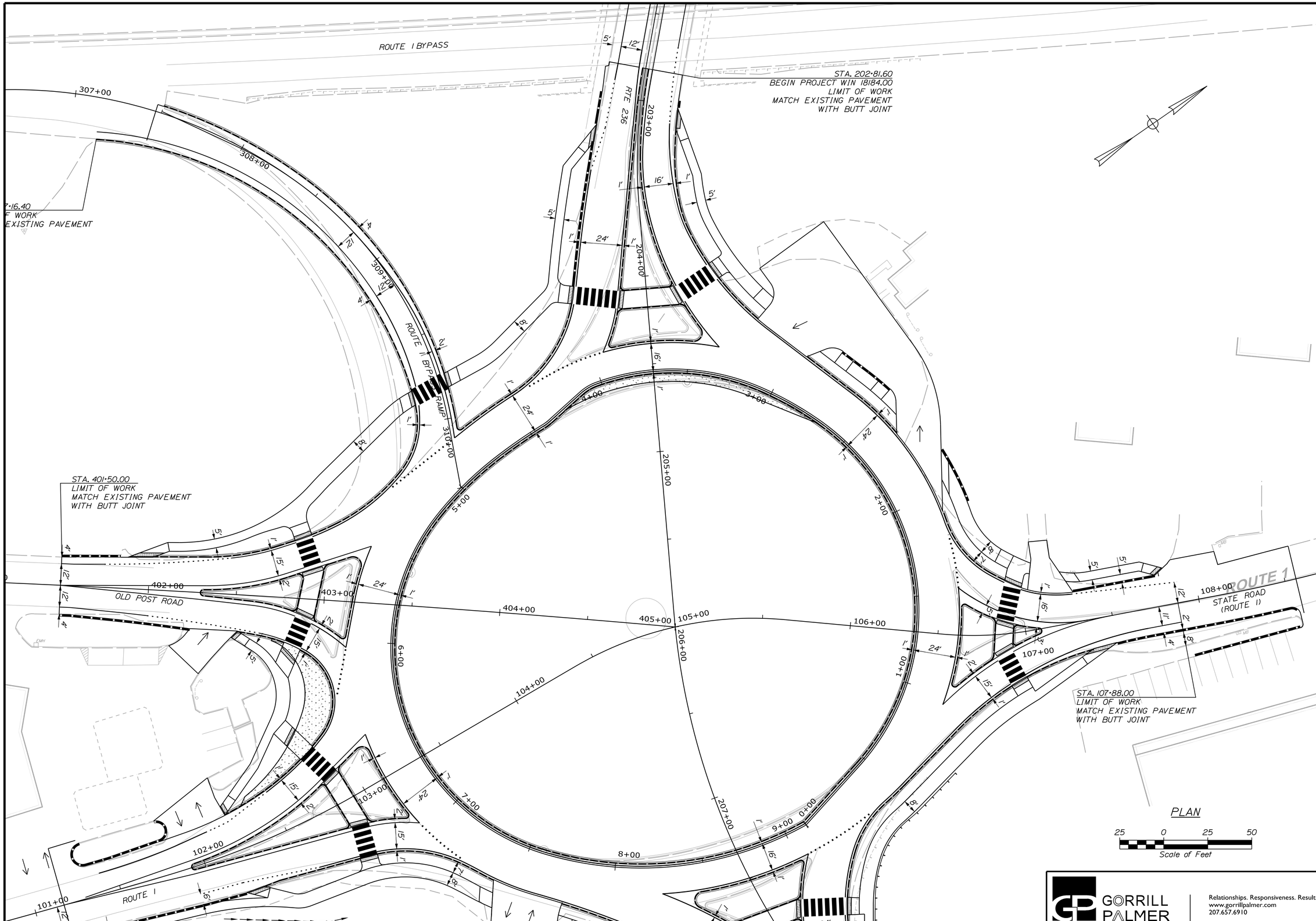
DATE

KITTERY MEMORIAL CIRCLE

GEOMETRIC PLAN

SHEET NUMBER
11
OF 38

Filename: ...\00\Highway\011_Geometry.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

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TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
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| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

# KITTERY MEMORIAL CIRCLE

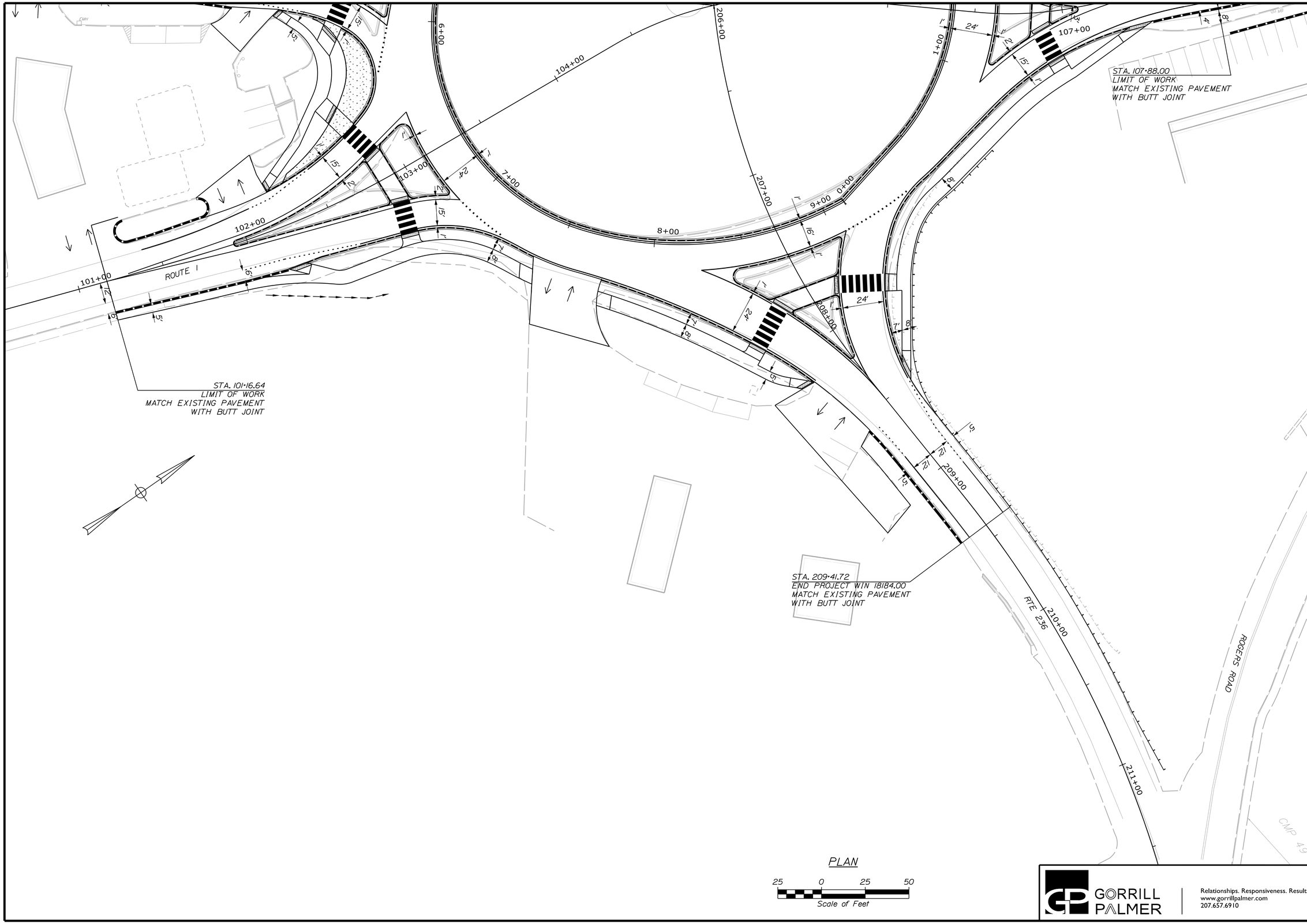
# STRIPING PLAN (SINGLE LANE)

SHEET NUMBER

12

OF 38

Filename: ...\012_One Lane Striping 1-2.dgn Division: HIGHWAY Username: jwinchenbach Date:2/17/2016

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TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DGE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

# KITTERY MEMORIAL CIRCLE

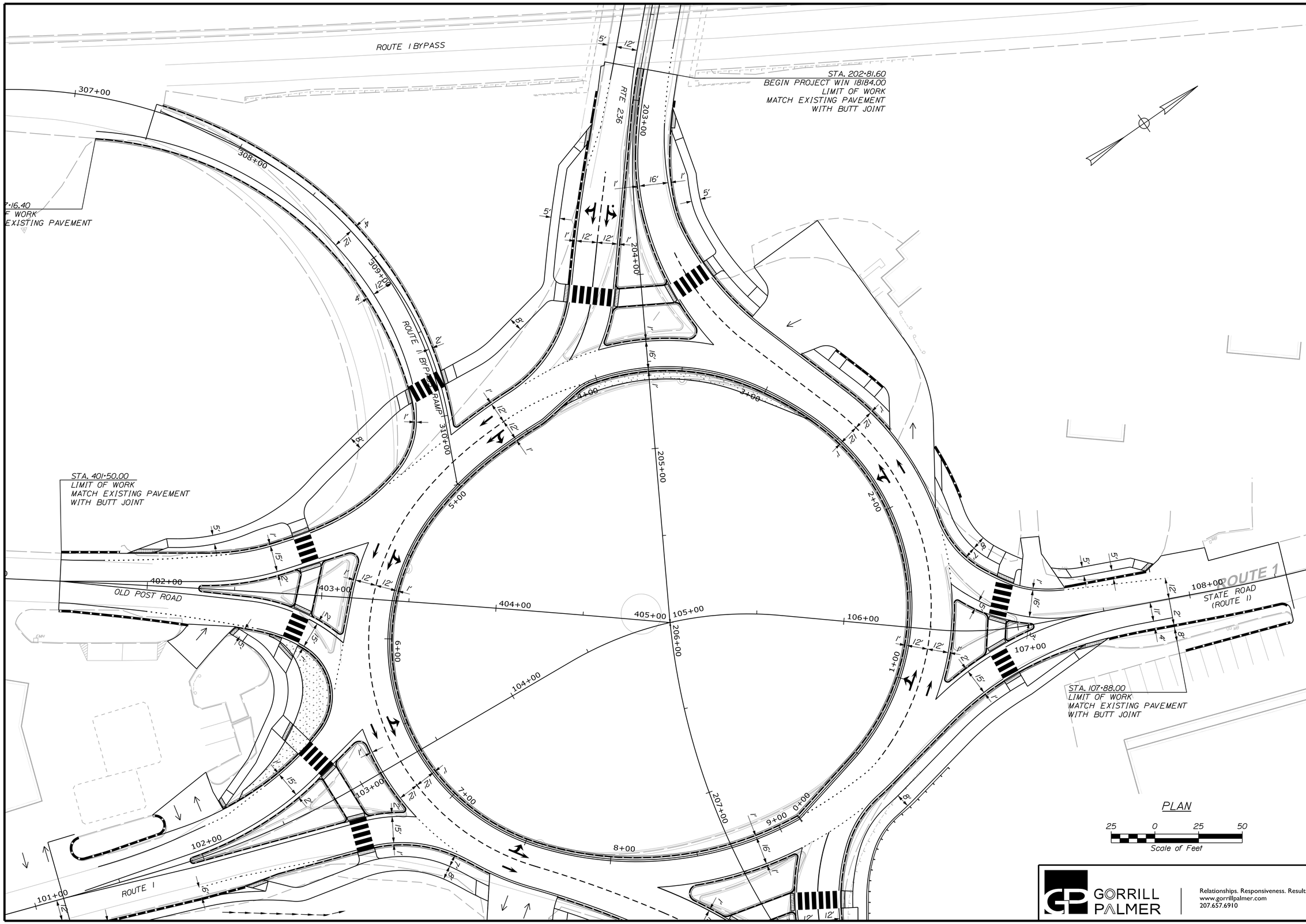
# STRIPING PLAN (SINGLE LANE)

SHEET NUMBER

13

OF 38

Filename: ...\013_One Lane Striping 2-2.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

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TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | | |
|---|---|---|---|
| | BY | | DATE |
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

# KITTERY MEMORIAL CIRCLE

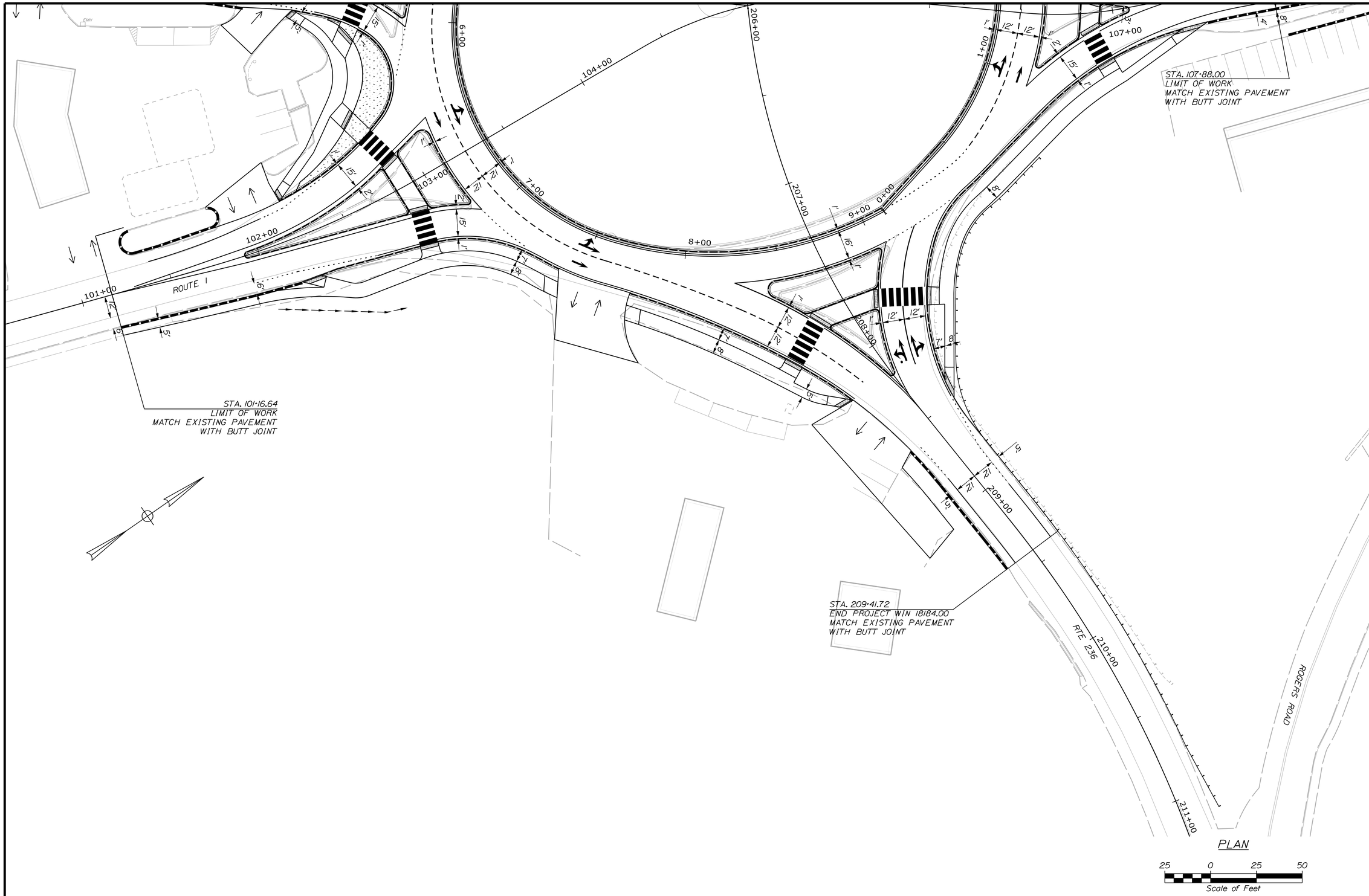
# STRIPING PLAN (MULTI-LANE)

SHEET NUMBER

14

OF 38

Filename: ...\014_Two Lane Striping 1-2.dgn Division: HIGHWAY Username: jwinchenbach Date:2/17/2016




TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DGE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

# KITTERY MEMORIAL CIRCLE

# STRIPING PLAN (MULIT-LANE)

GORRILL PALMER

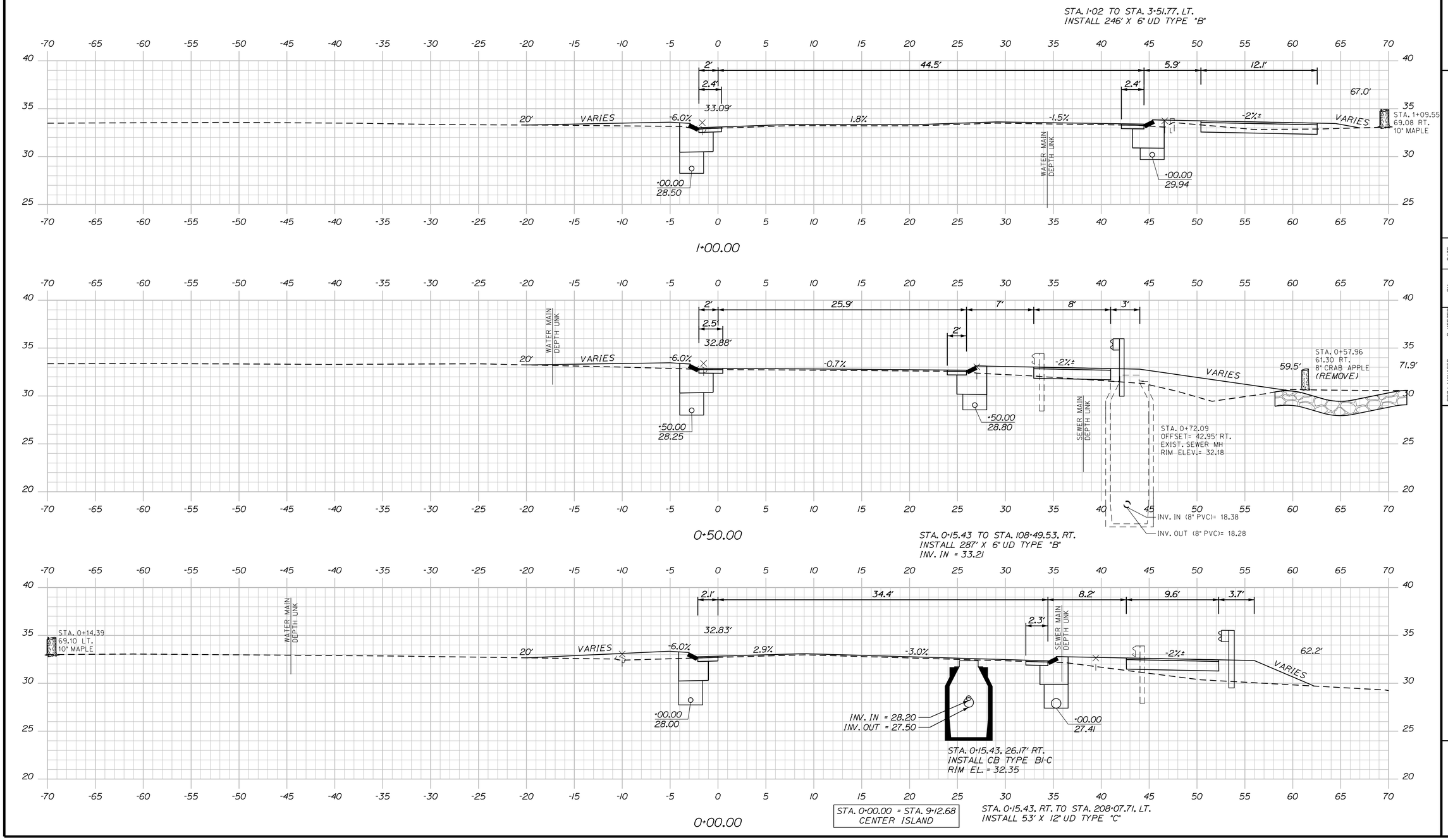
Relationships. Responsiveness. Results.
www.gorrillpalmer.com
207.657.6910

SHEET NUMBER

15

OF 38

Filename: ...\015_Two Lane Striping 2-2.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016




Sta. 0+00.00 to Sta. 1+00.00 CENTER ISLAND

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

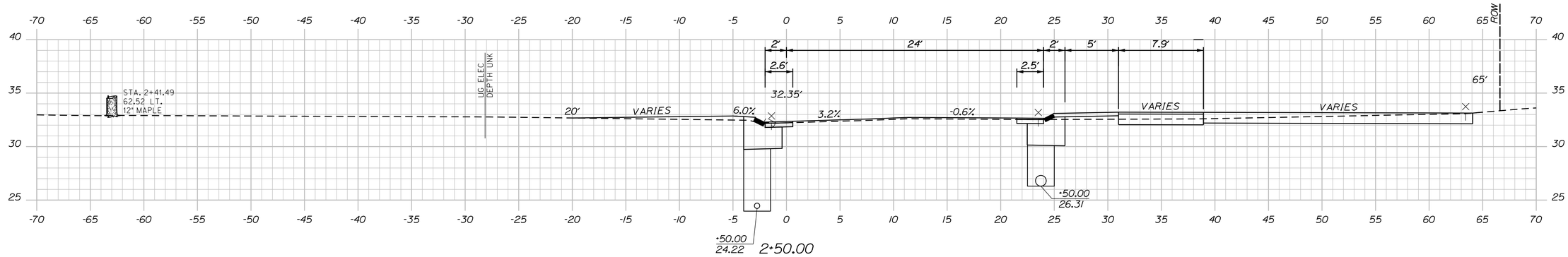
KITTERY
MEMORIAL CIRCLE

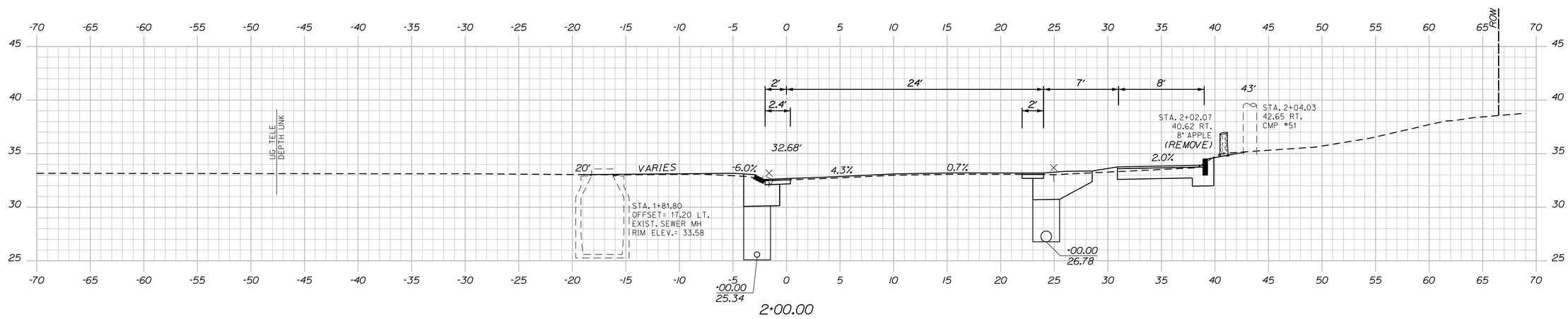
CROSS SECTIONS

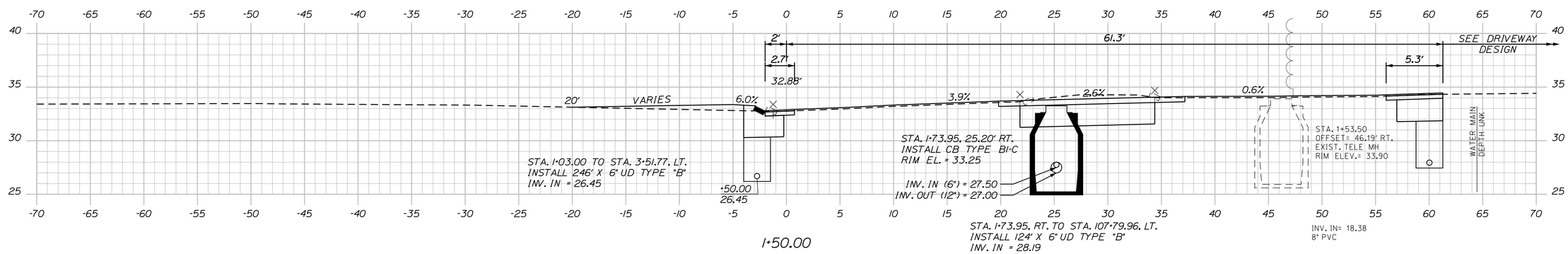
SHEET NUMBER

16

OF 38




Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: jwinchenbach Date:2/17/2016

Sta. 1+50.00 to Sta. 2+50.00 CENTER ISLAND

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DGE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

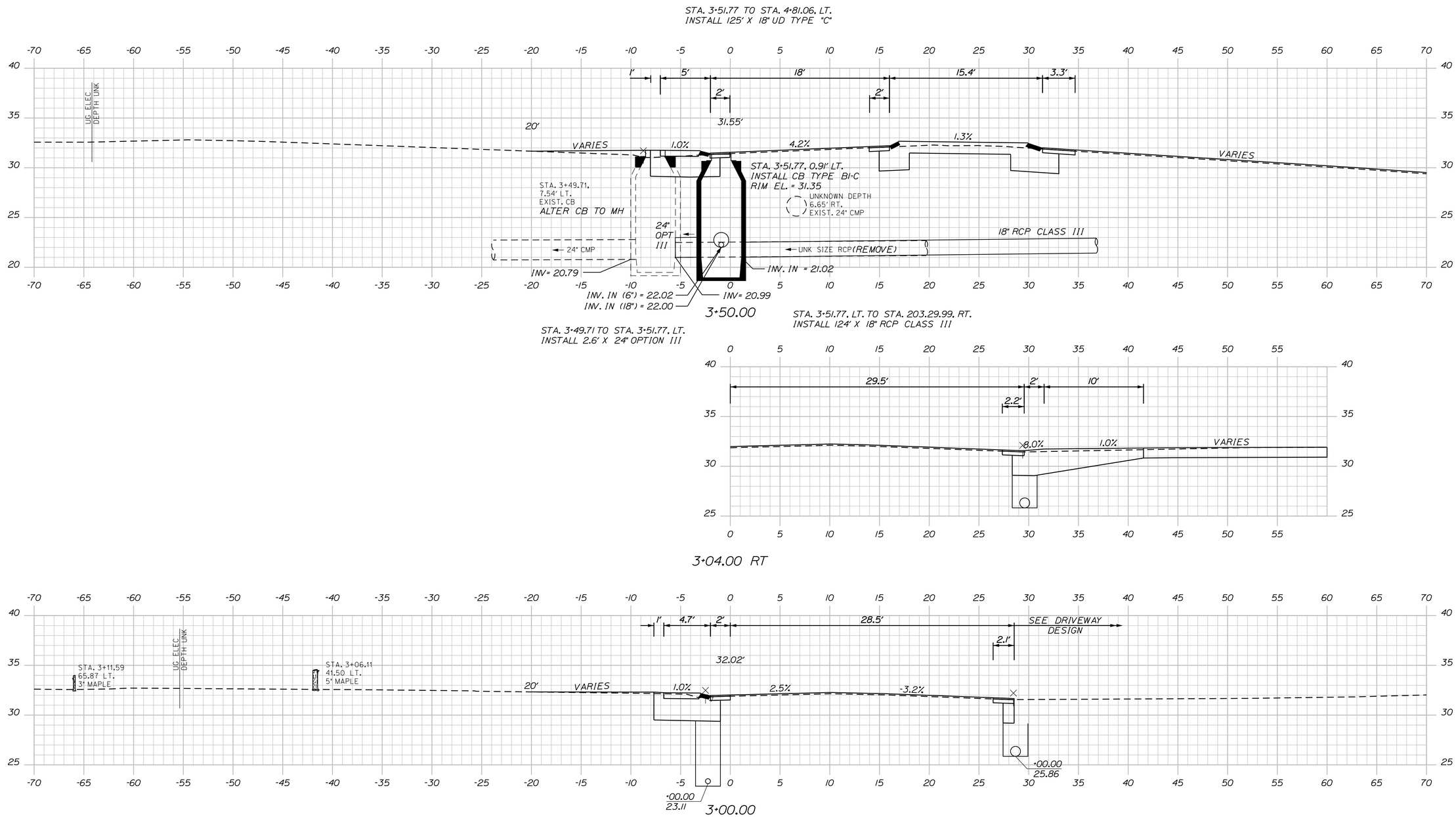
KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

17

OF 38




Sta. 3+00.00 to Sta. 3+50.00 CENTER ISLAND

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
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| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY
MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

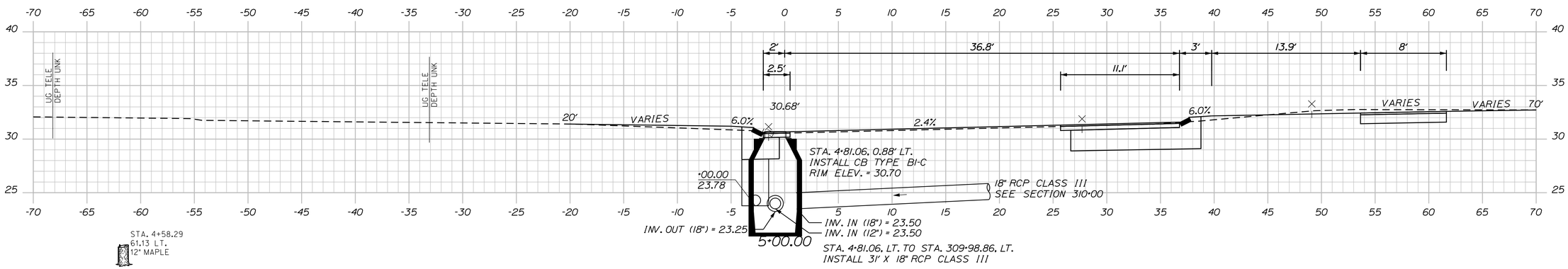
18

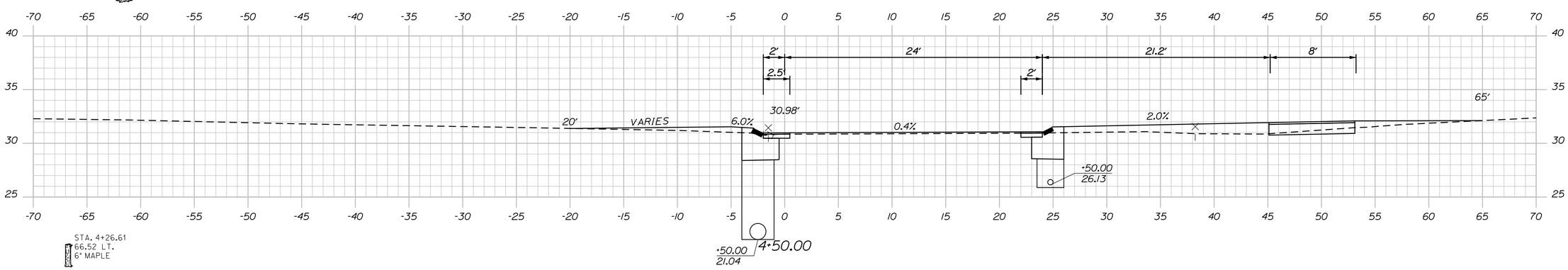
OF 38

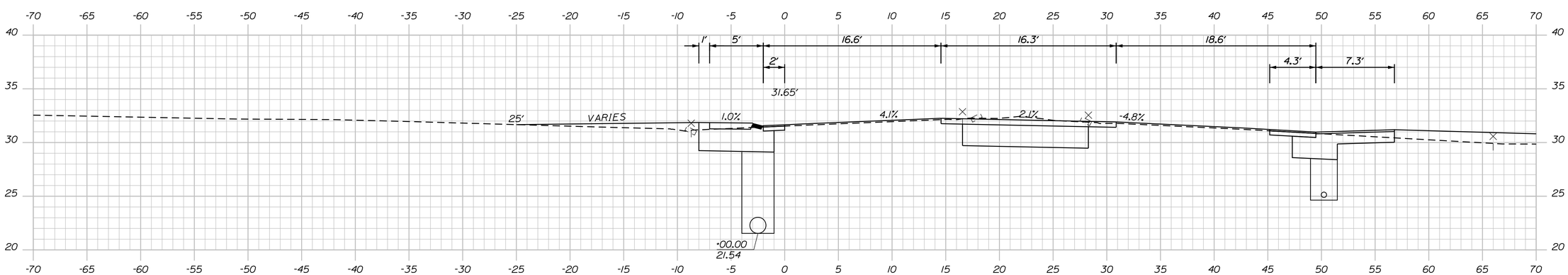
Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

Sta. 4+00.00 to Sta. 5+00.00 CENTER ISLAND

STA. 4+81.06 TO STA. 5+56.68, LT.
INSTALL 72' X 12" UD "C"




4·00.00

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

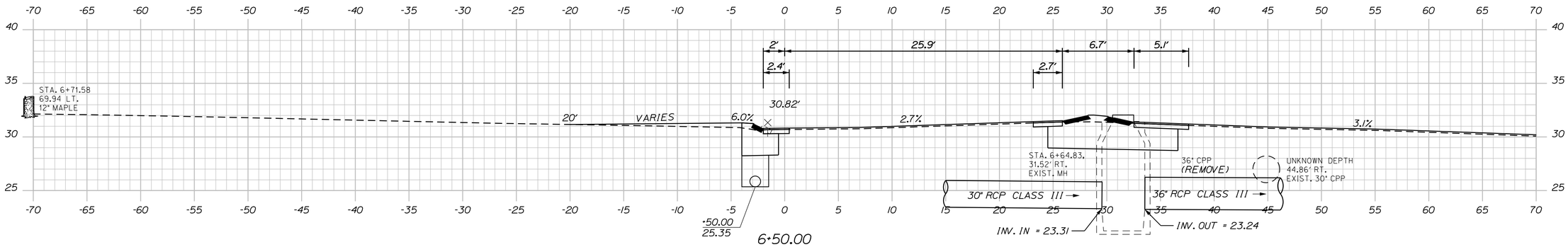
SHEET NUMBER

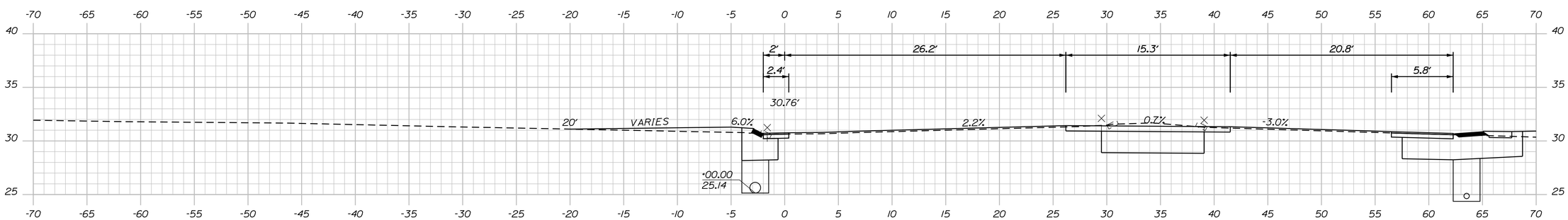
19

OF 38

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

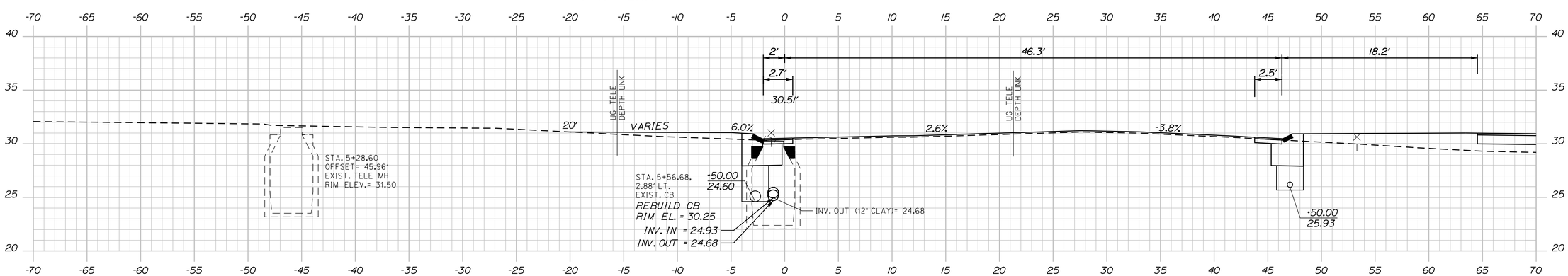
Sta. 5+50.00 to Sta. 6+50.00 CENTER ISLAND




STA. 5+56.68 TO STA. 6+87.88, LT.
INSTALL 131' X 12" UD TYPE "C"
INV. IN = 25.55

6+00.00




5+50.00

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
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| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY
MEMORIAL CIRCLE

CROSS SECTIONS

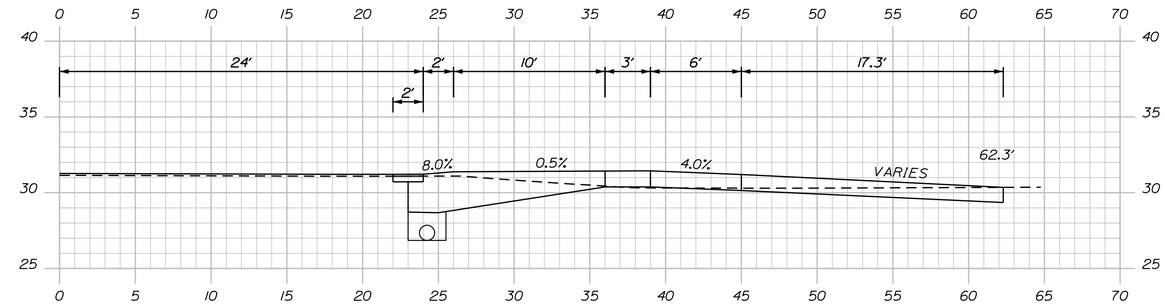
SHEET NUMBER

20

OF 38

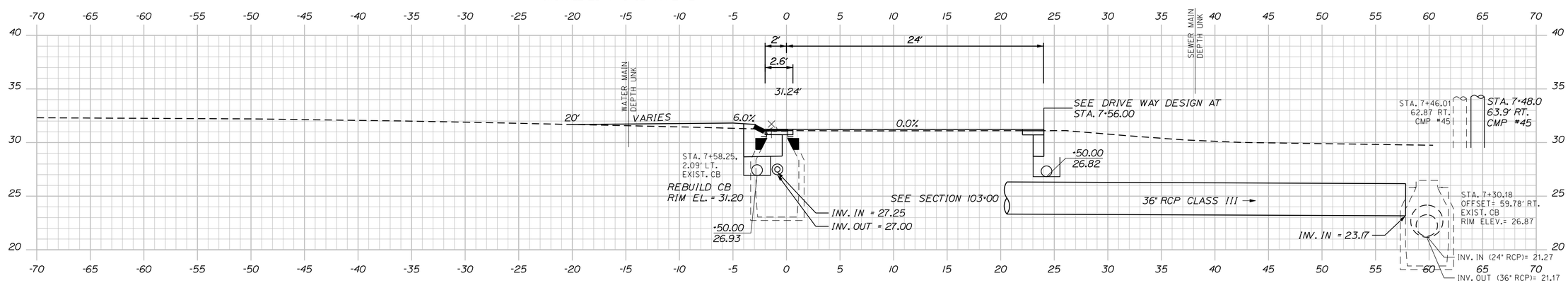
Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

Sta. 7+00.00 to Sta. 7+56.00 CENTER ISLAND




7+56.00 RT

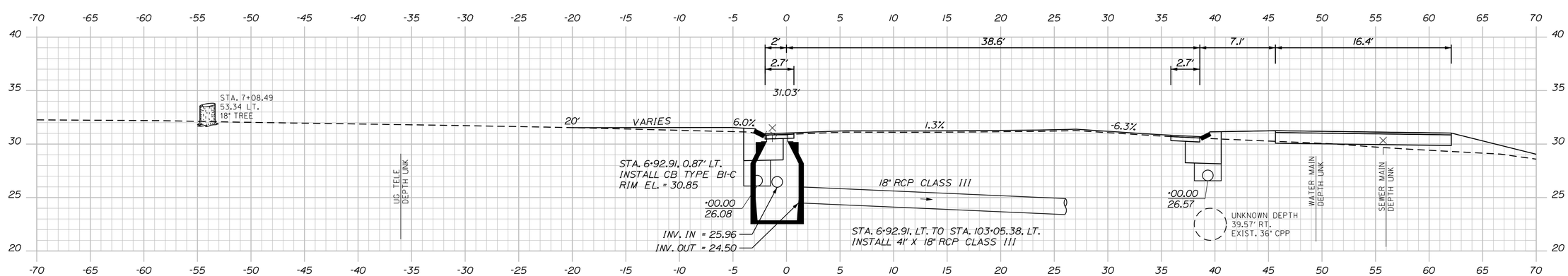
STA. 7+58.25 TO STA. 1+00, LT.
INSTALL 25' X 6' UD TYPE "B"




STA. 6+92.91 TO STA. 7+58.25, LT.
INSTALL 61' X 12" UD TYPE "C"

7+50.00

STA. 7+09.49 TO STA. 207+75.88, RT.
INSTALL 161' X 12" UD TYPE "C"




7+00.00

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| | | BY | DATE |
|---|---|---|---|
| PROJ. MANAGER | B. KEEZER | | |
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
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| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

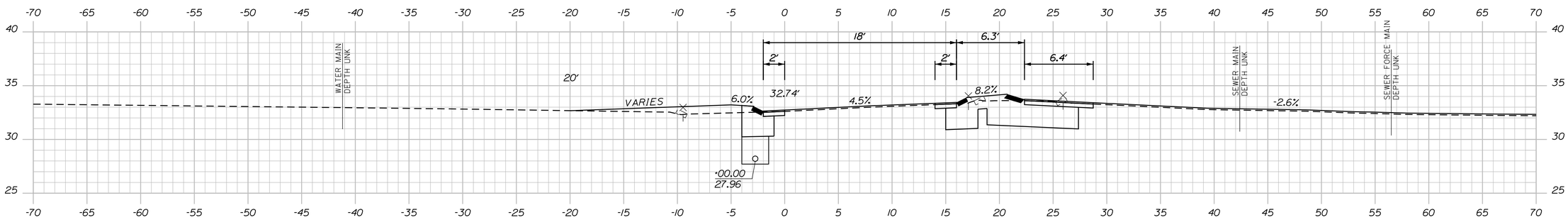
21

OF 38

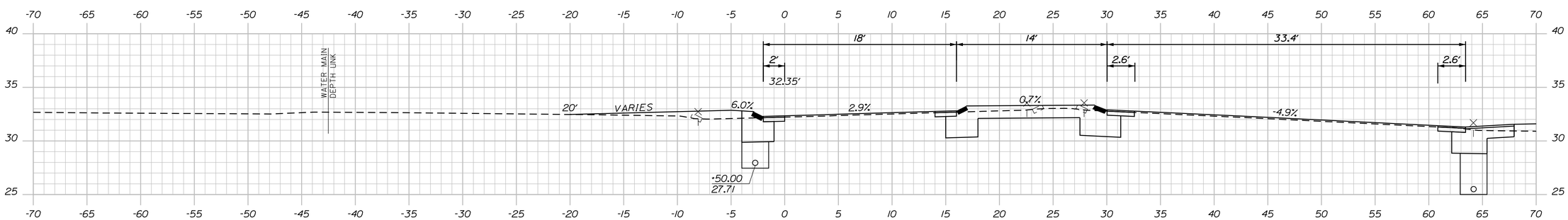
Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

Sta. 8+00.00 to Sta. 9+00.00 CENTER ISLAND

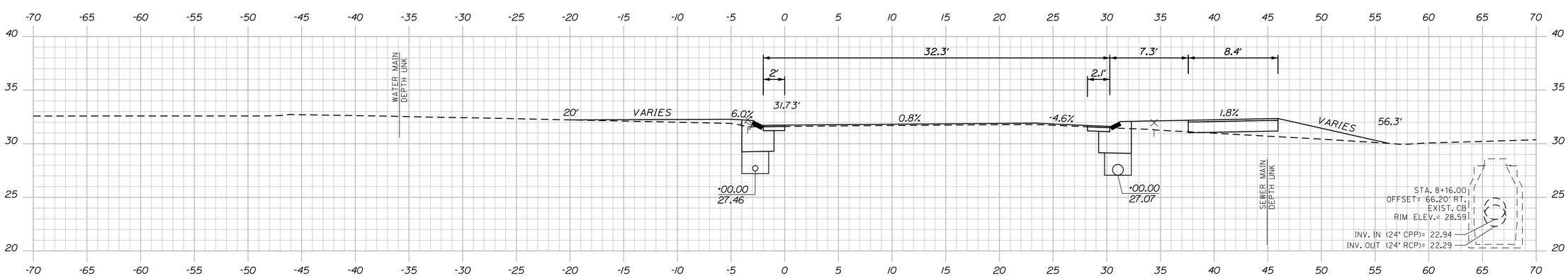
STA. 0+00.00 = STA. 9+12.68
CENTER ISLAND




9+00.00




8+50.00




8+00.00

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

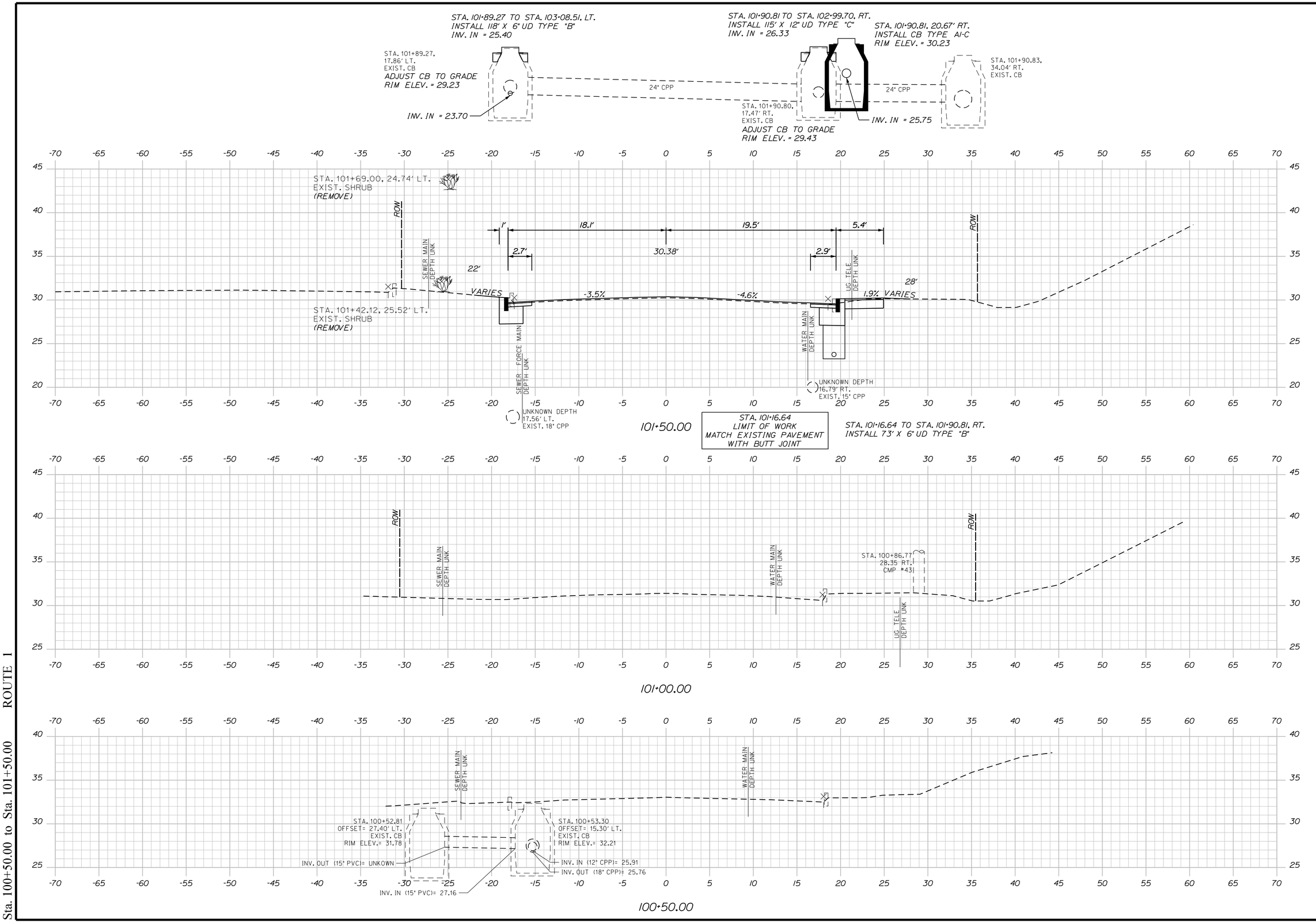
KITTERY
MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

22

OF 38




Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

Sta. 100+50.00 to Sta. 101+50.00 ROUTE 1

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

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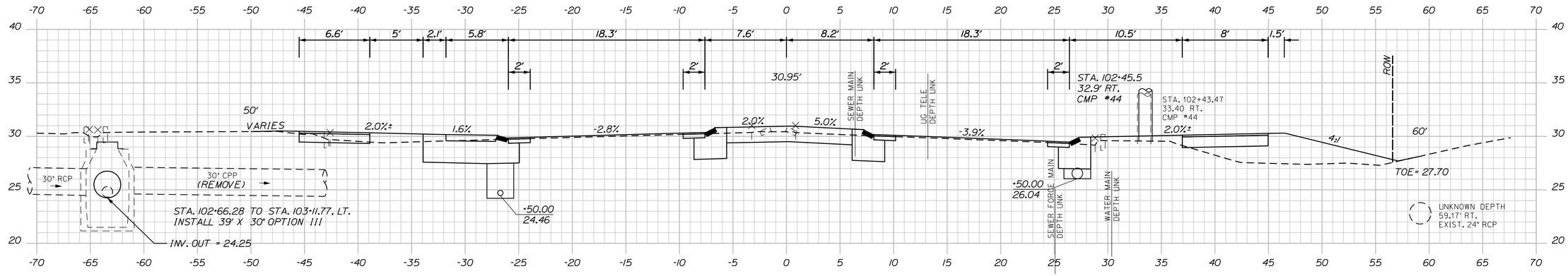
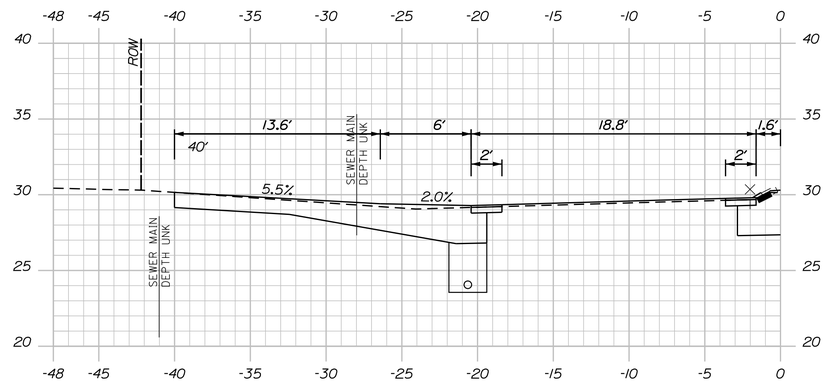
OF 38

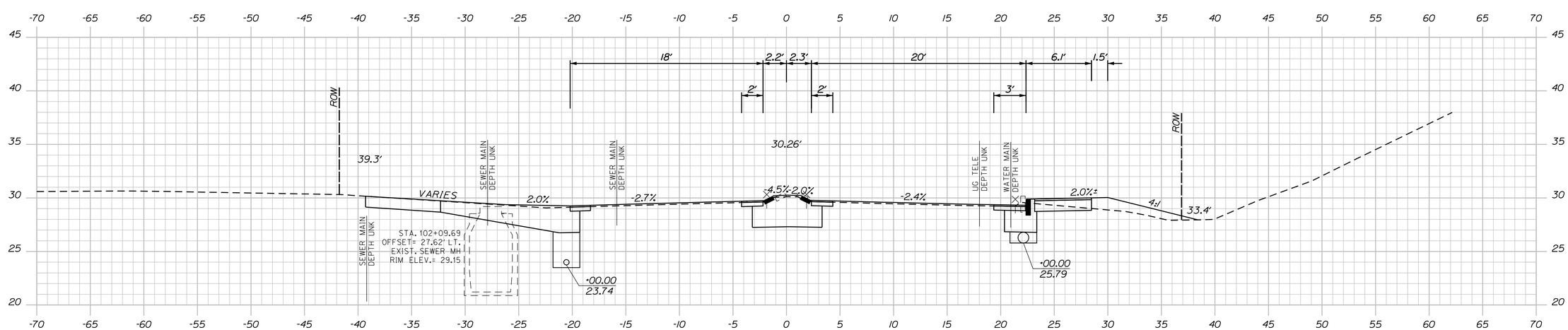



STA. 102+66.28,
63.41' LT.
EXIST. CB
ADJUST CB TO GRADE
RIM EL. =

102+50.00




102+05.00 LT




102+00.00

Sta. 102+00.00 to Sta. 102+50.00 ROUTE 1

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DGE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

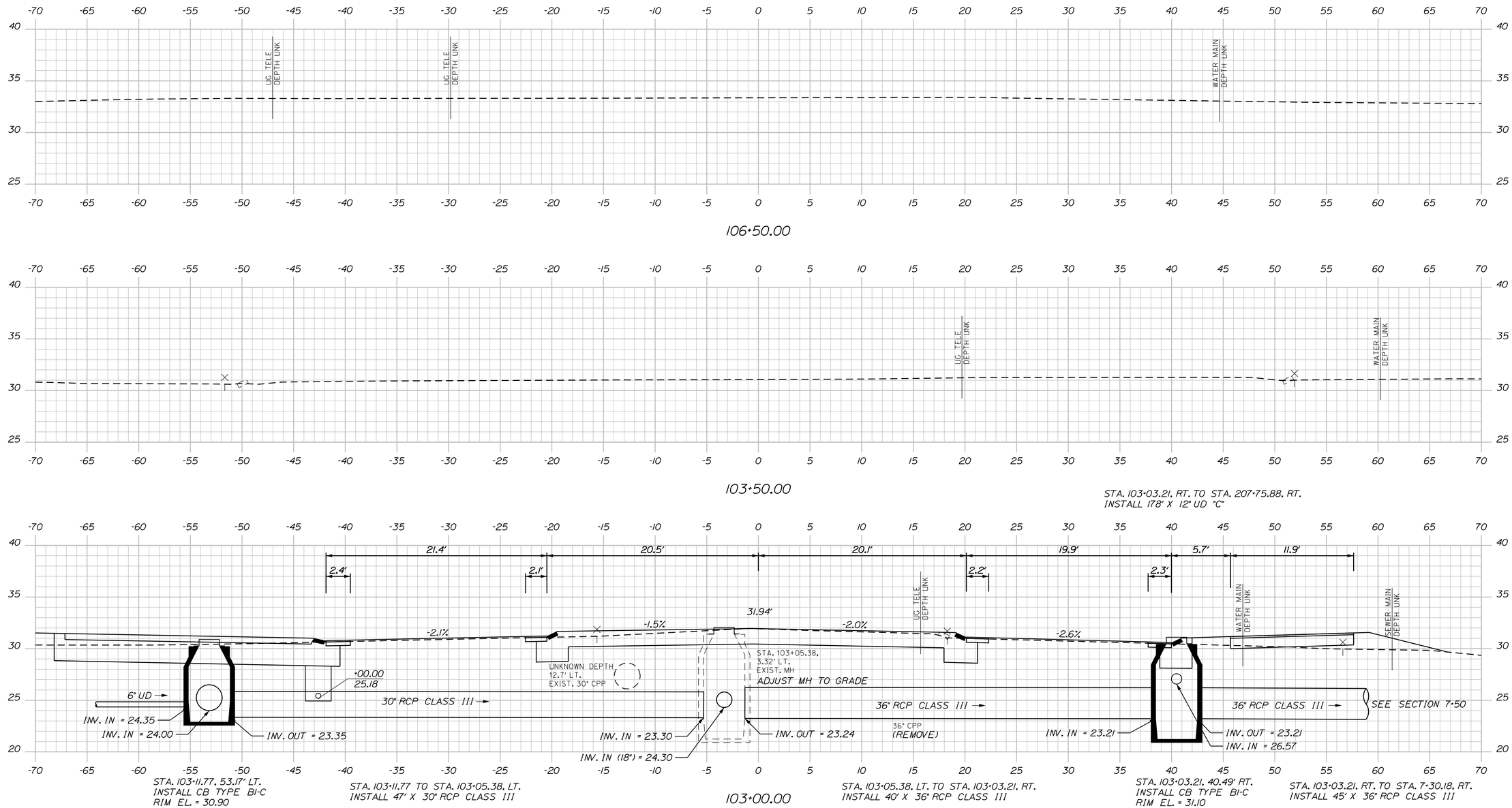
KITTERY
MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

24

OF 38




Sta. 103+00.00 to Sta. 106+50.00 ROUTE 1

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

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| PROJ. MANAGER | B. KEEZER | BY | DATE |
| DESIGN-DETAILED | BMH | MPC | 02/16 |
| CHECKED-REVIEWED | DCE | -- | 02/16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
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| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

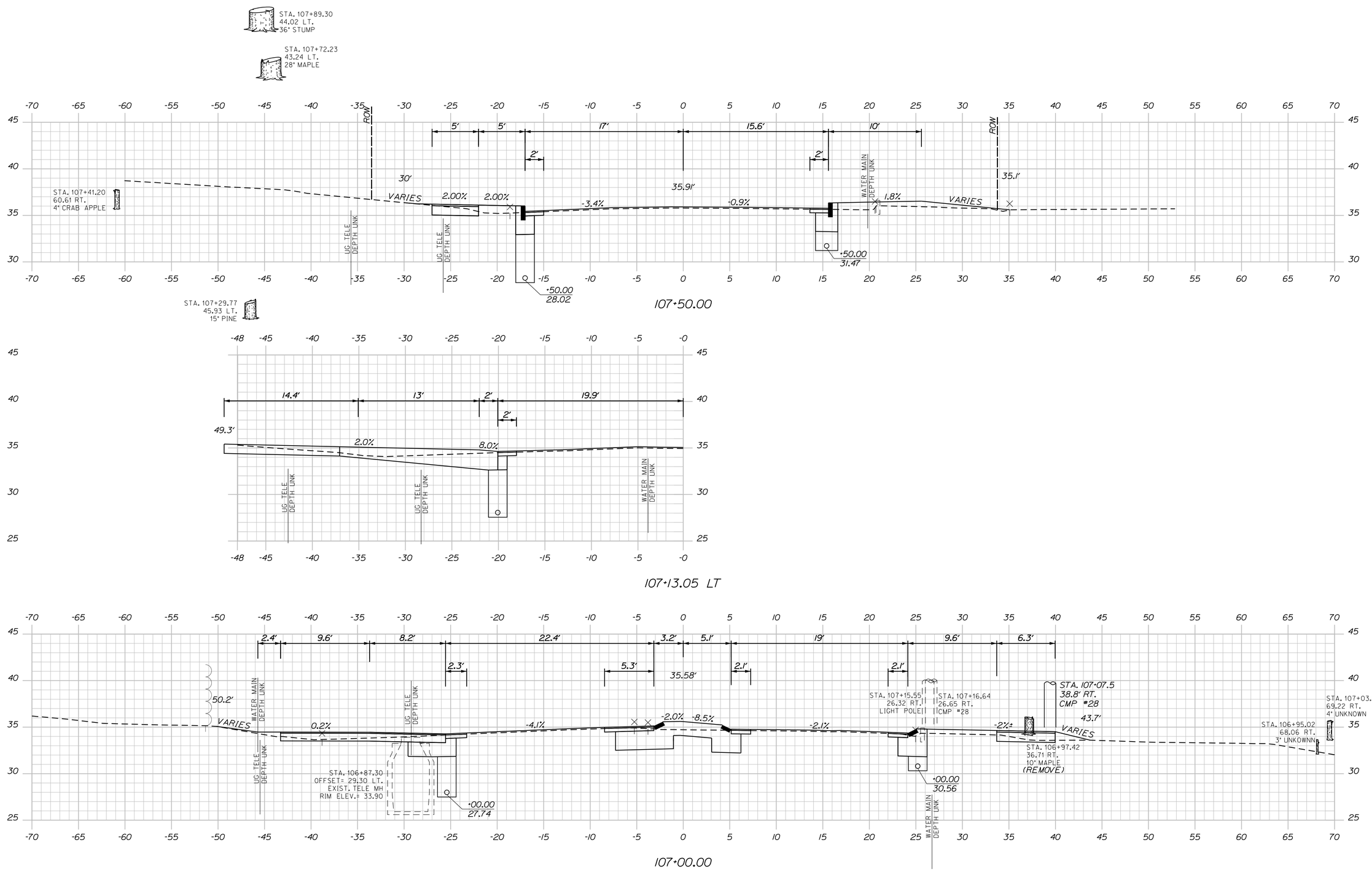
KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

25

OF 38




Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

Sta. 107+00.00 to Sta. 107+50.00 ROUTE 1

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DGE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

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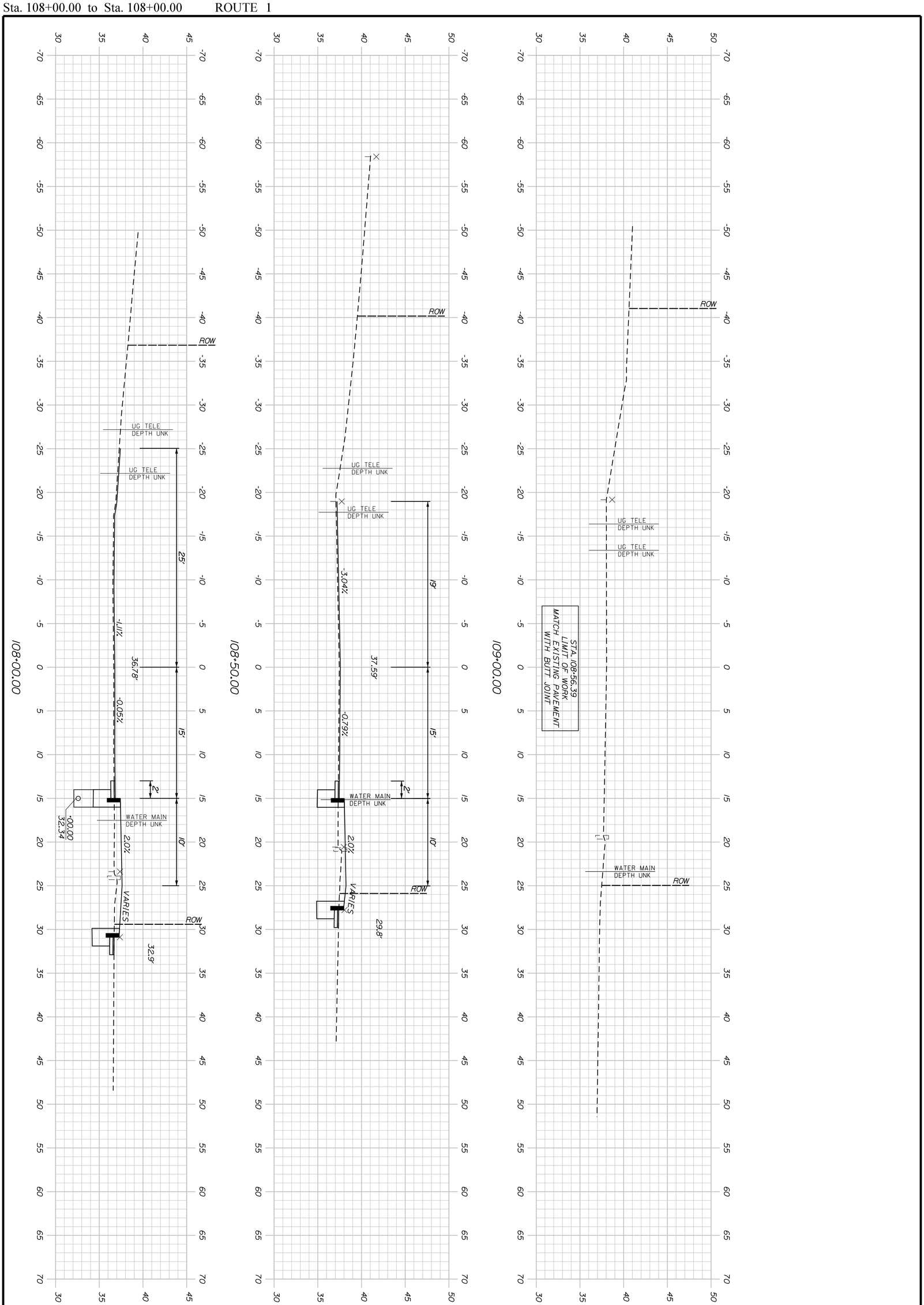
OF 38

Sta. 108+00.00 to Sta. 108+00.00 ROUTE 1

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|---|---|---|---|---|
| SHEET NUMBER 27 OF 38 | KITTERY MEMORIAL CIRCLE | PROJ. MANAGER | B. KEEZER | BY | DATE |
| | | DESIGN-DETAILED | BMH | MPC | 02\16 |
| | | CHECKED-REVIEWED | DGE | __ | 02\16 |
| | | DESIGN2-DETAILED2 | _____ | _____ | _____ |
| | | DESIGN3-DETAILED3 | _____ | _____ | _____ |
| | | REVISIONS 1 | _____ | | _____ |
| | | REVISIONS 2 | _____ | | _____ |
| | | REVISIONS 3 | _____ | | _____ |
| | | REVISIONS 4 | _____ | | _____ |
| | | FIELD CHANGES | | | _____ |

SIGNATURE

P.E. NUMBER

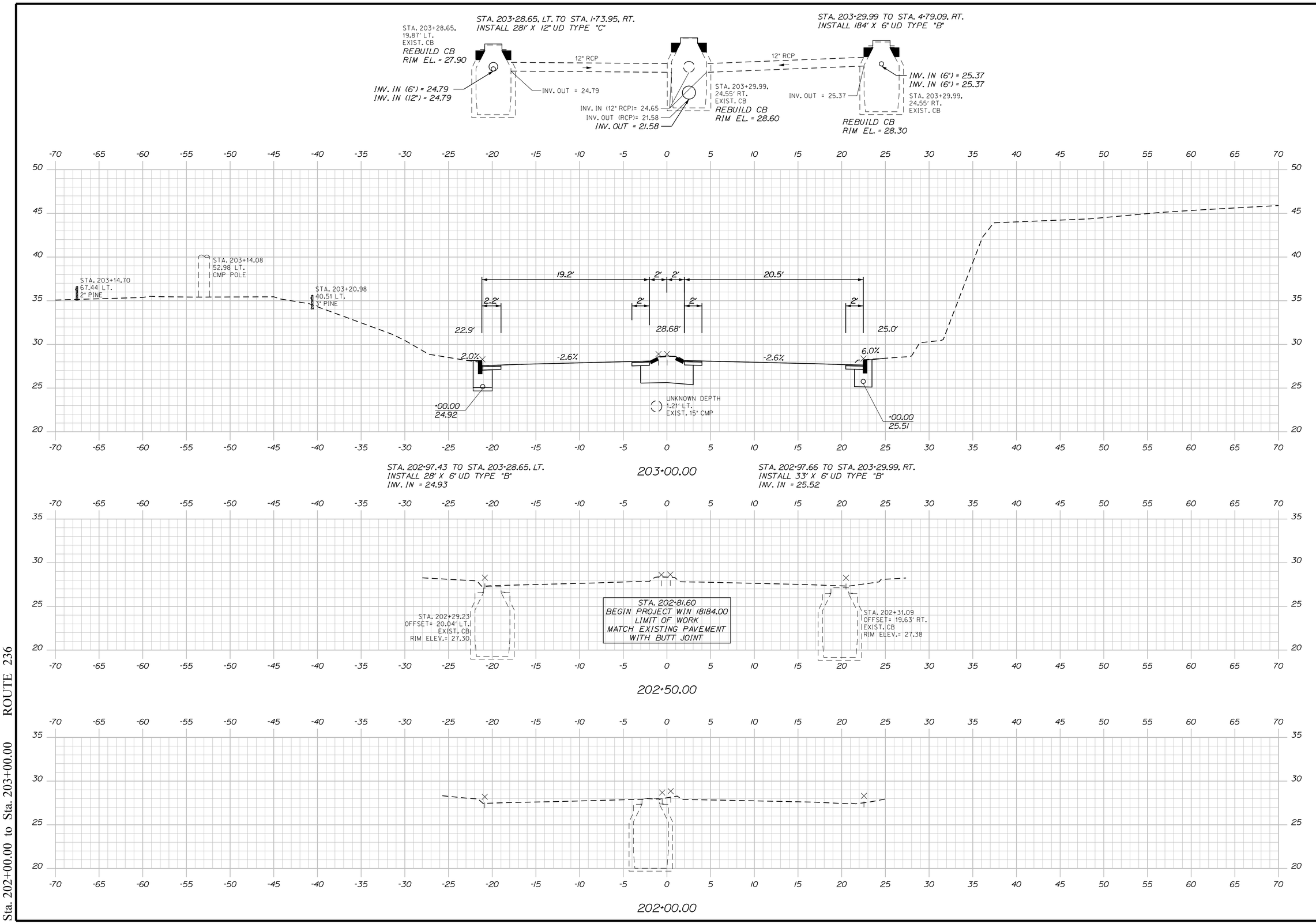
DATE

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

CROSS SECTIONS




Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

ROUTE 236

Sta. 202+00.00 to Sta. 203+00.00

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DGE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

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KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

28

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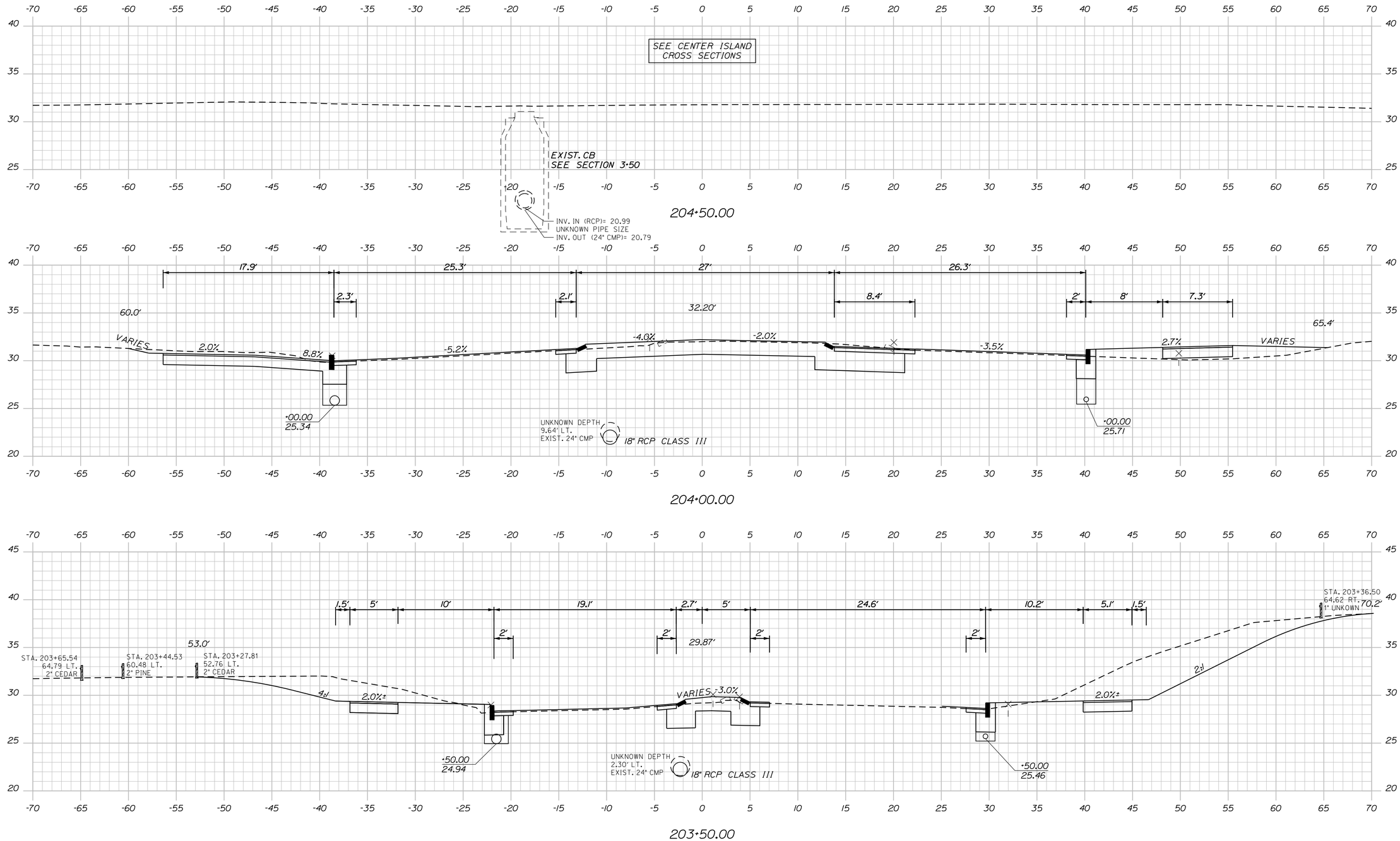



Sta. 203+50.00 to Sta. 204+50.00 ROUTE 236

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | | | |
| DESIGN3-DETAILED3 | | | |
| REVISIONS 1 | | | |
| REVISIONS 2 | | | |
| REVISIONS 3 | | | |
| REVISIONS 4 | | | |
| FIELD CHANGES | | | |

SIGNATURE

P.E. NUMBER

DATE

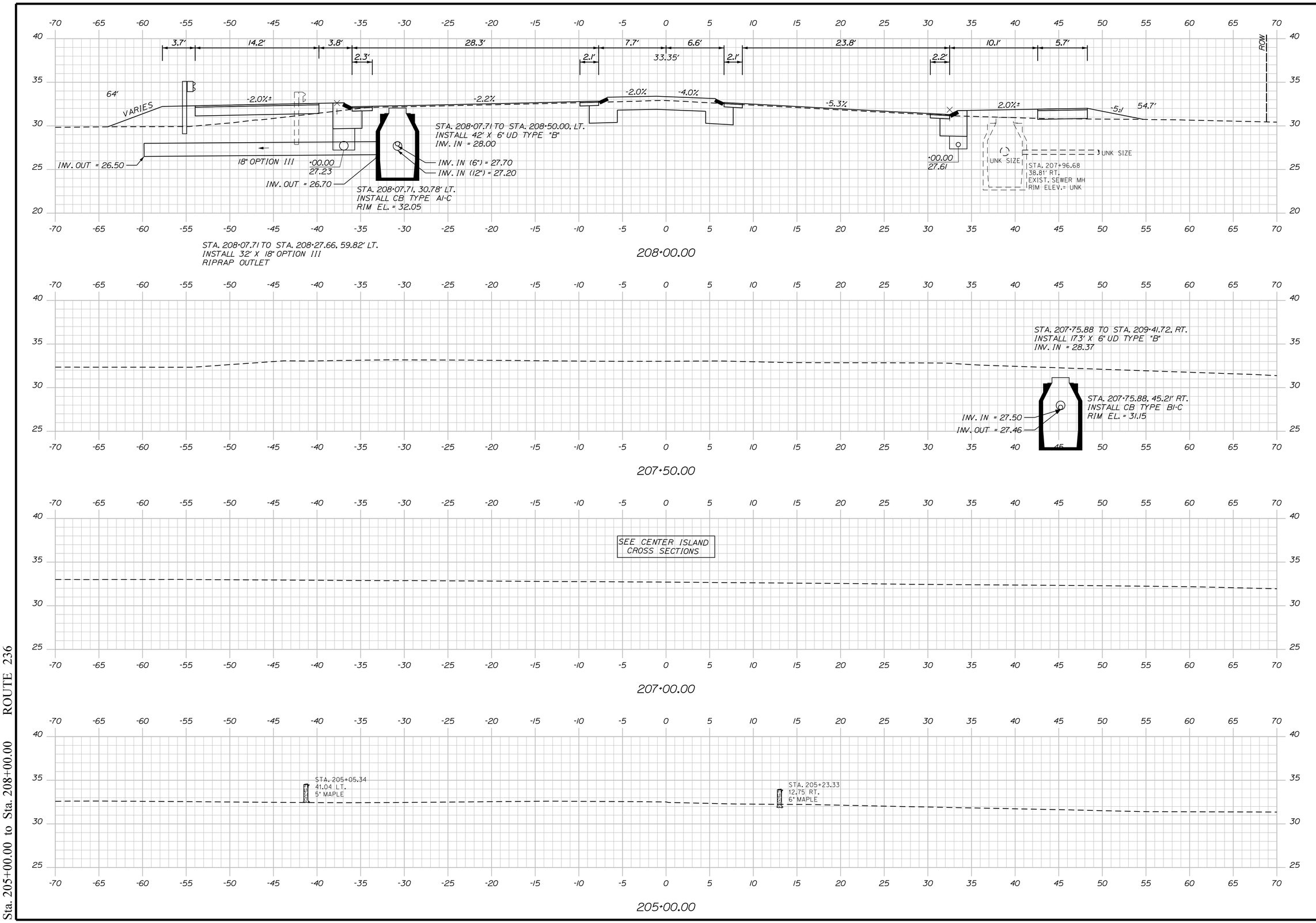
KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

29

OF 38




Sta. 205+00.00 to Sta. 208+00.00 ROUTE 236

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

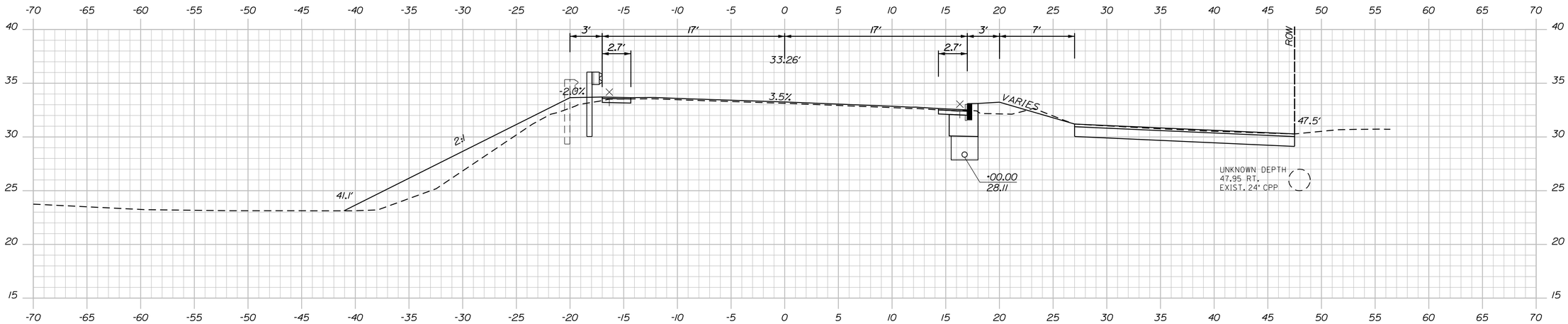
KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

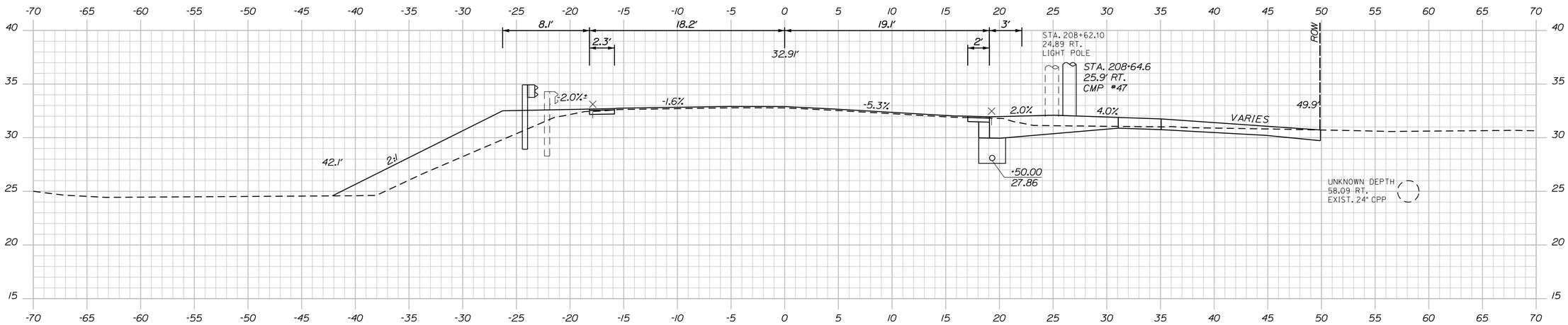
SHEET NUMBER

30

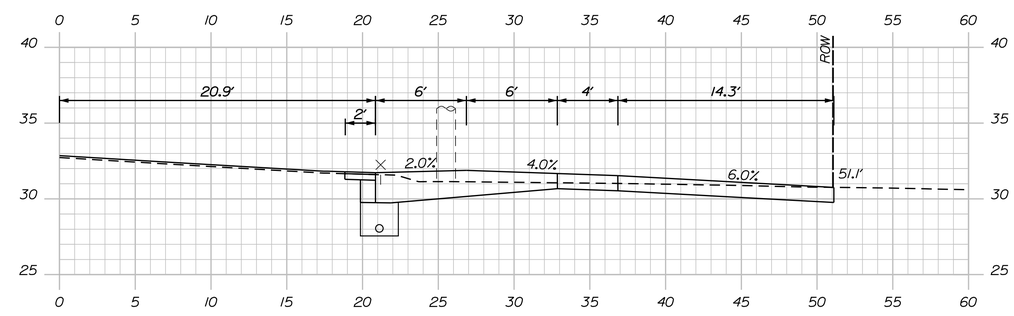
OF 38




209+00.00




208+50.00




208+38.00 RT

Sta. 208+38.00 to Sta. 209+00.00 ROUTE 236

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DGE | -- | 02\16 |
| DESIGN2-DETAILED2 | ---------- | ---------- | ---------- |
| DESIGN3-DETAILED3 | ---------- | ---------- | ---------- |
| REVISIONS 1 | ---------- | ---------- | ---------- |
| REVISIONS 2 | ---------- | ---------- | ---------- |
| REVISIONS 3 | ---------- | ---------- | ---------- |
| REVISIONS 4 | ---------- | ---------- | ---------- |
| FIELD CHANGES | ---------- | ---------- | ---------- |

SIGNATURE

P.E. NUMBER

DATE

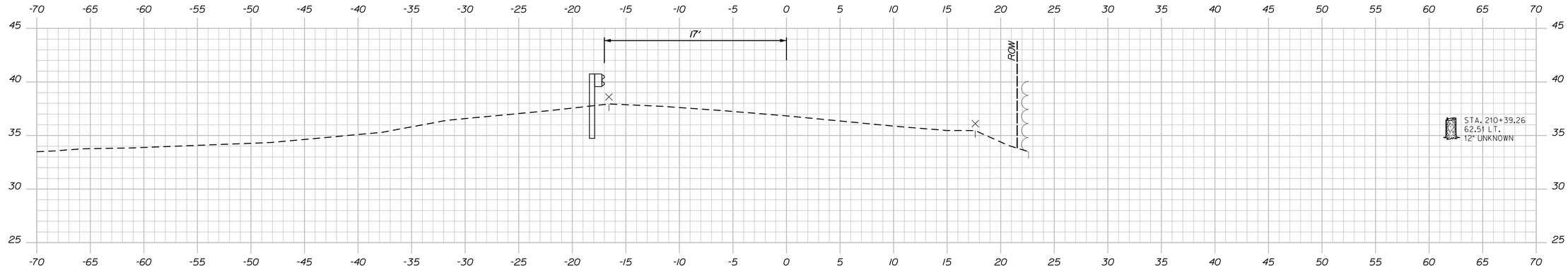
KITTERY MEMORIAL CIRCLE

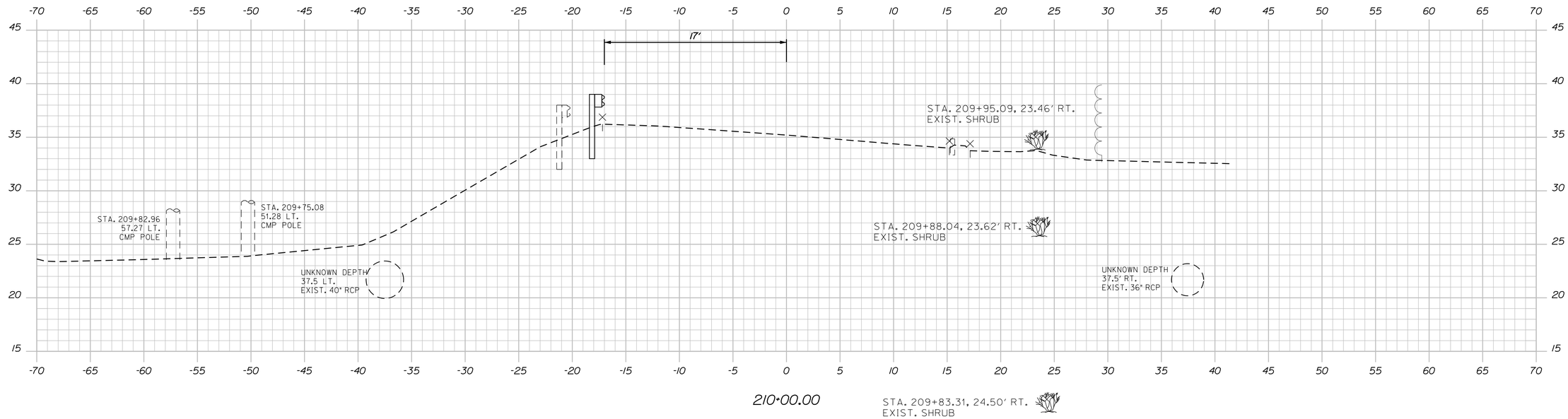
CROSS SECTIONS

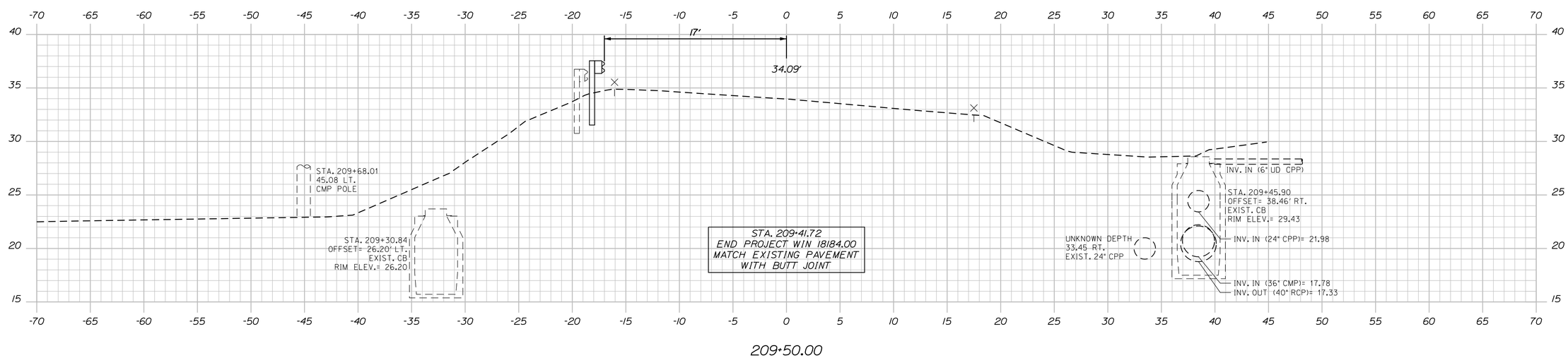
SHEET NUMBER

31

OF 38




Sta. 209+50.00 to Sta. 210+50.00 ROUTE 236

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

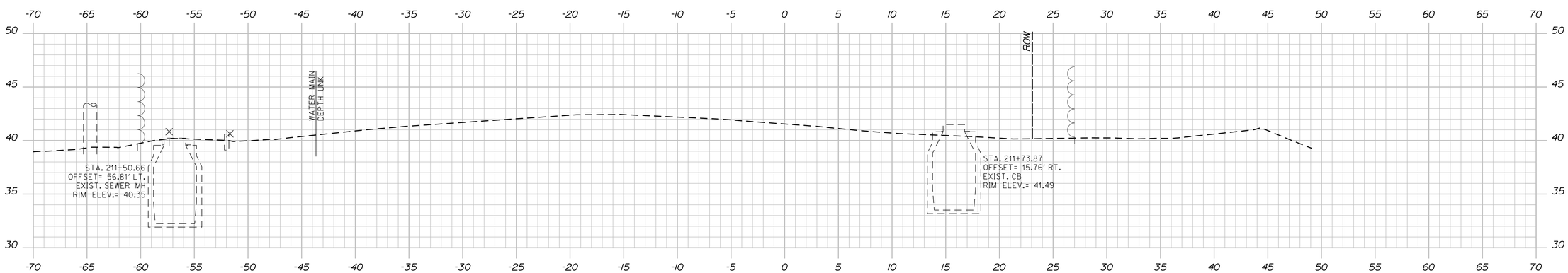
32

OF 38

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

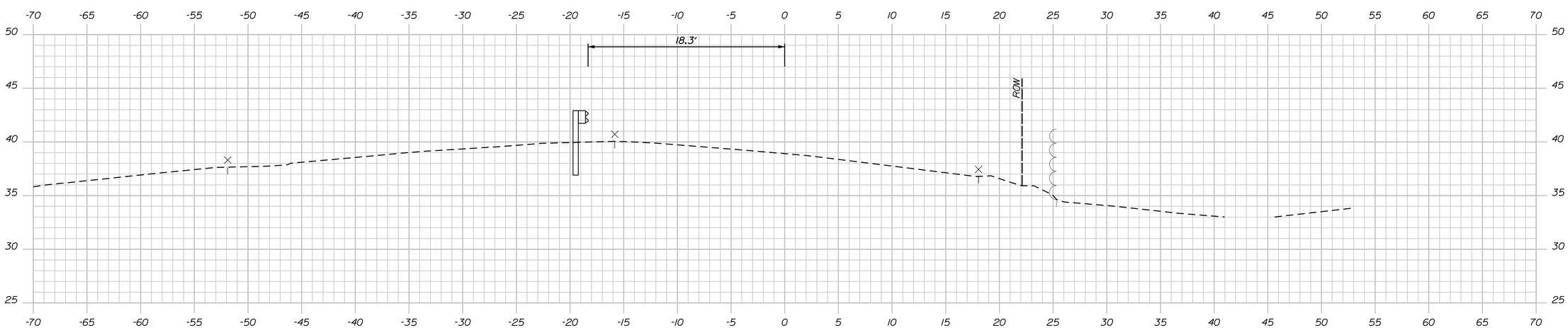
ROUTE 236

Sta. 211+00.00 to Sta. 211+50.00




211+50.00

STA. 211+11.43
LIMIT OF WORK




211+00.00

TOWN OF KITTERY

WIN
18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

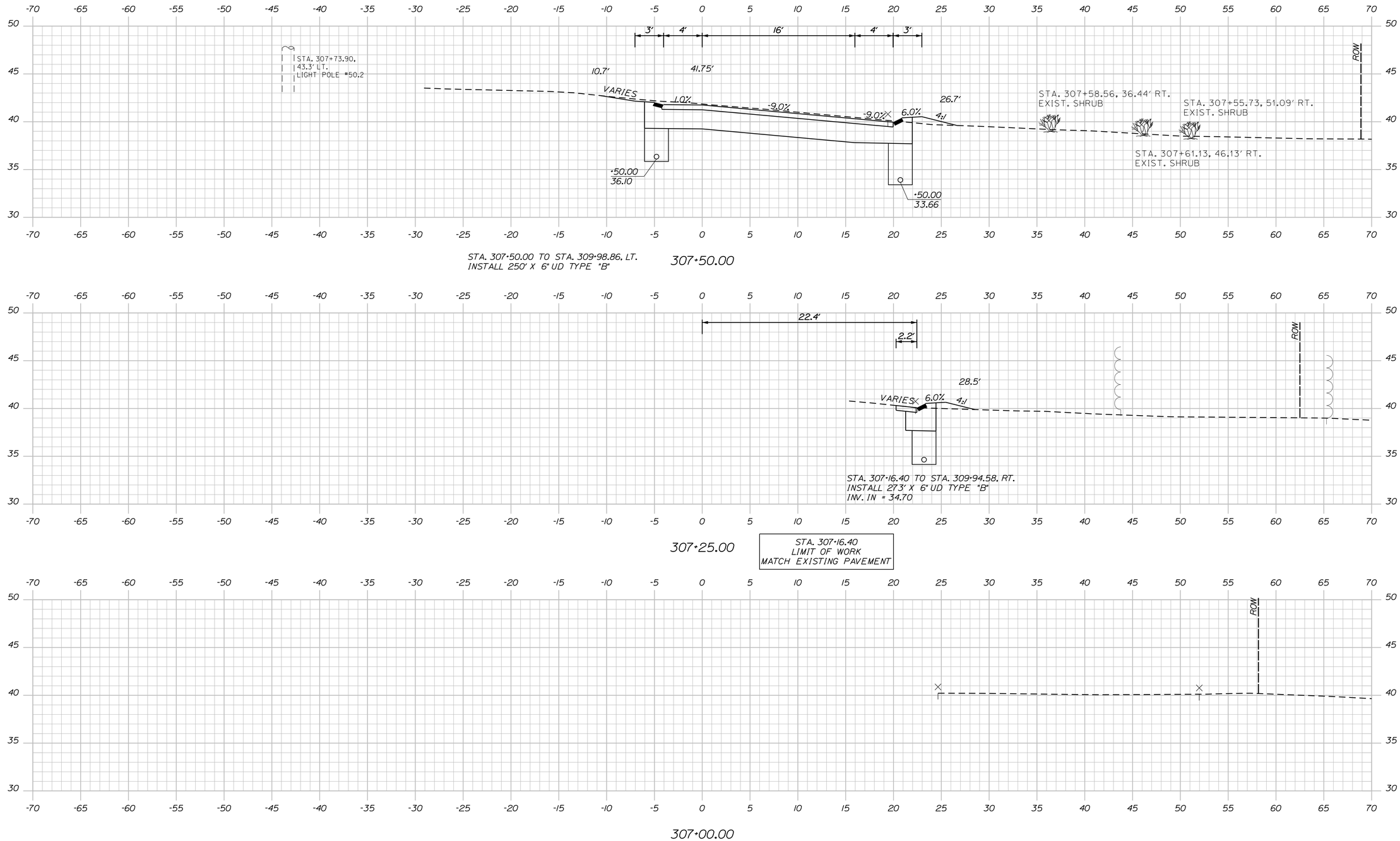
KITTERY
MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

33

OF 38




Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

Sta. 307+00.00 to Sta. 307+50.00 ROUTE 1 BYPASS OFF RAMP

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | B. KEEZER | BY | DATE |
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DGE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

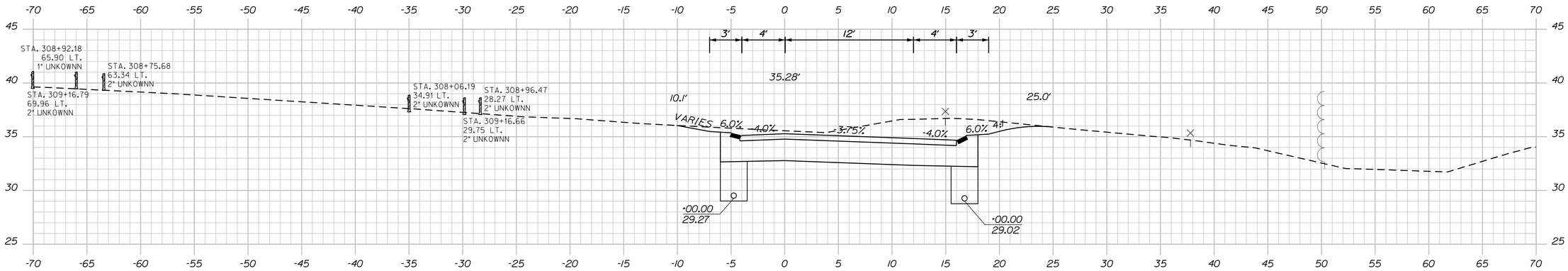
KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

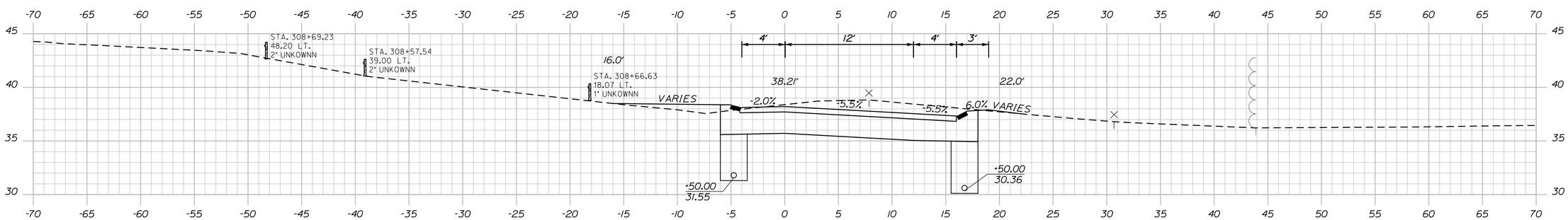
SHEET NUMBER

34

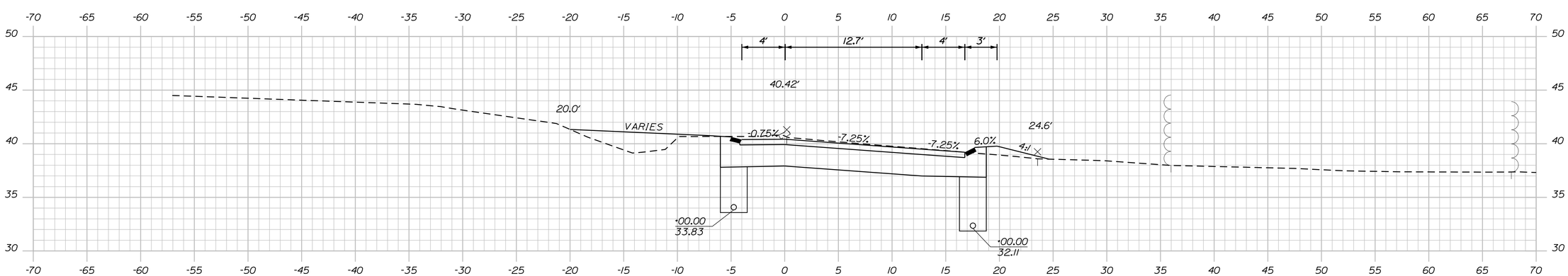
OF 38




309+00.00




308+50.00




308+00.00

Sta. 308+00.00 to Sta. 309+00.00 ROUTE 1 BYPASS OFF RAMP

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

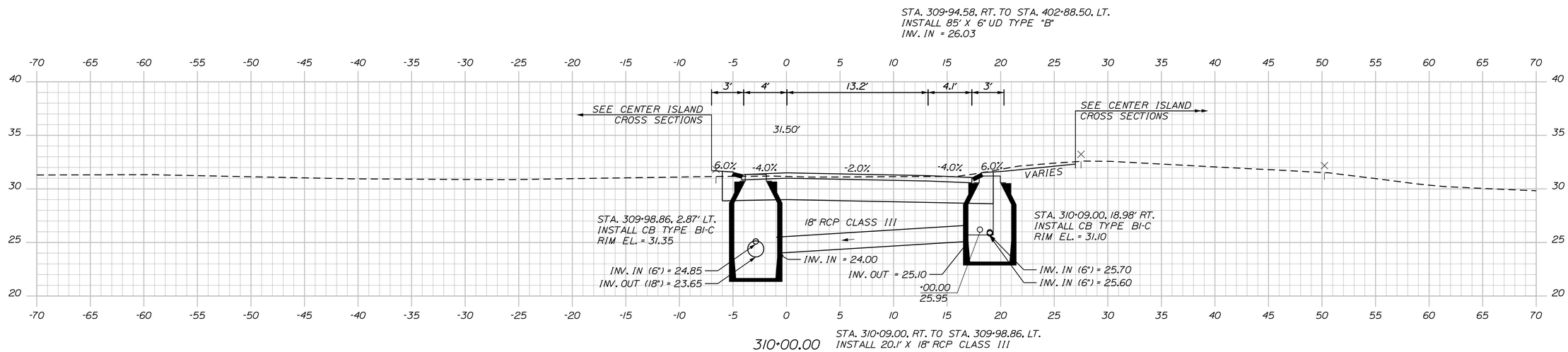
35

OF 38

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

ROUTE 1 BYPASS OFF RAMP

Sta. 309+50.00 to Sta. 310+00.00




TOWN OF KITTERY

WIN
18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

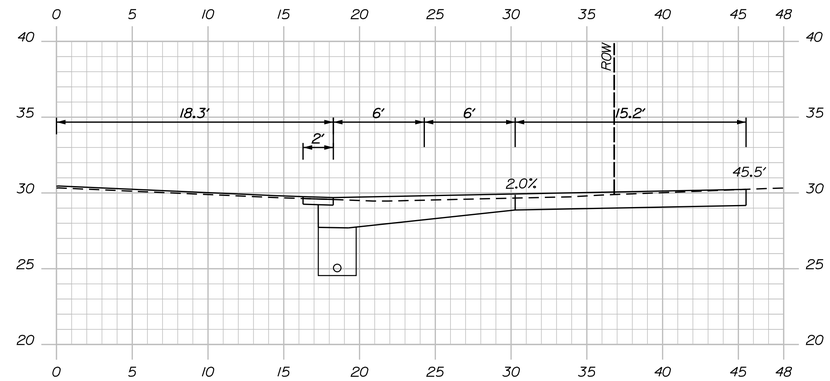
KITTERY
MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

36

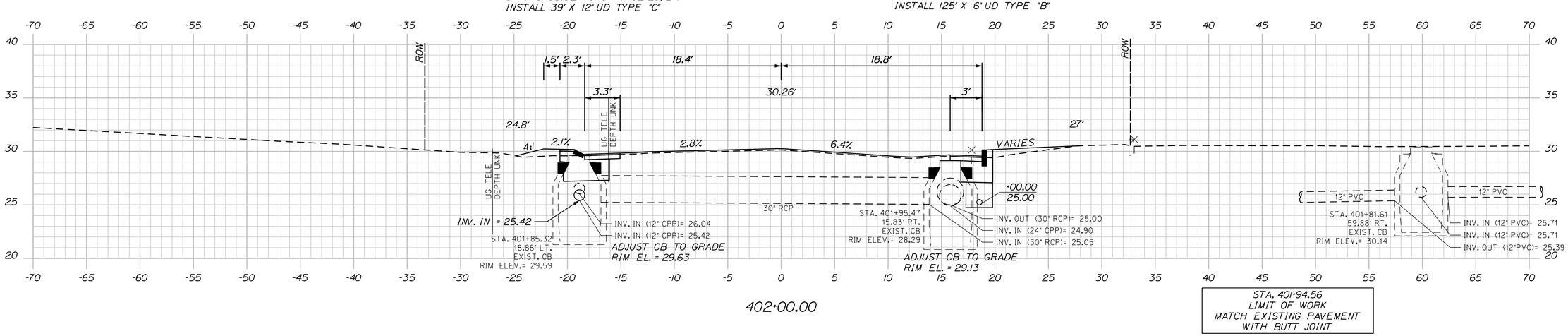
OF 38




402+40.00 RT

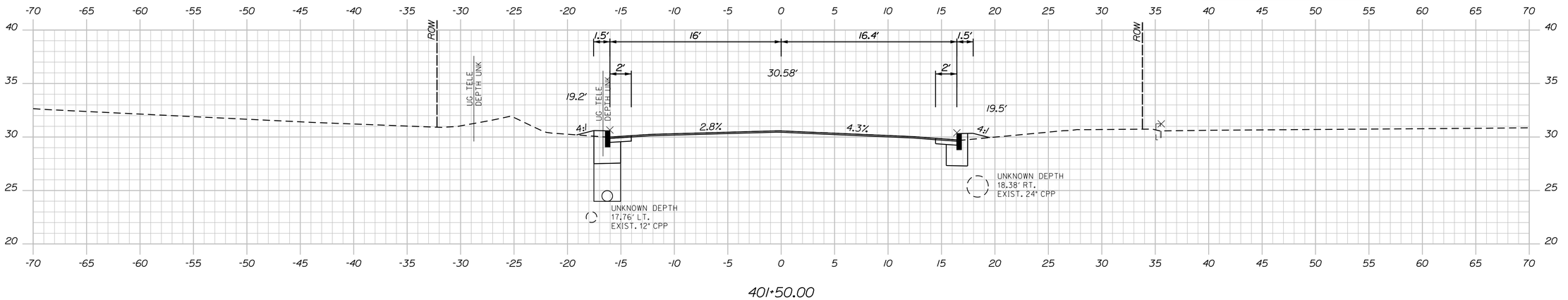
STA. 401+85.32 TO STA. 402+28. LT.
INSTALL 39' X 12" UD TYPE "C"

STA. 402+00. RT. TO STA. 103+11.77. LT.
INSTALL 125' X 6" UD TYPE "B"




402+00.00

STA. 401+94.56
LIMIT OF WORK
MATCH EXISTING PAVEMENT
WITH BUTT JOINT




401+50.00

Sta. 401+50.00 to Sta. 402+40.00 OLD POST ROAD

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| | | | |
|---|---|---|---|
| PROJ. MANAGER | B. KEEZER | BY | DATE |
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | | ------ |
| REVISIONS 2 | ------ | | ------ |
| REVISIONS 3 | ------ | | ------ |
| REVISIONS 4 | ------ | | ------ |
| FIELD CHANGES | ------ | | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

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OF 38

Filename: ...\Z - CAD\00\Highway\XSEC.dgn Division: HIGHWAY Username: mcundiff Date:2/17/2016

OLD POST ROAD

Sta. 402+50.00 to Sta. 403+50.00

TOWN OF KITTERY

WIN 18184.00

HIGHWAY PLANS

| PROJ. MANAGER | B. KEEZER | BY | DATE |
|---|---|---|---|
| DESIGN-DETAILED | BMH | MPC | 02\16 |
| CHECKED-REVIEWED | DCE | -- | 02\16 |
| DESIGN2-DETAILED2 | ------ | ------ | ------ |
| DESIGN3-DETAILED3 | ------ | ------ | ------ |
| REVISIONS 1 | ------ | ------ | ------ |
| REVISIONS 2 | ------ | ------ | ------ |
| REVISIONS 3 | ------ | ------ | ------ |
| REVISIONS 4 | ------ | ------ | ------ |
| FIELD CHANGES | ------ | ------ | ------ |

SIGNATURE

P.E. NUMBER

DATE

KITTERY MEMORIAL CIRCLE

CROSS SECTIONS

SHEET NUMBER

38

OF 38