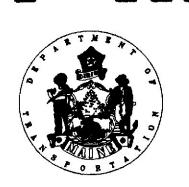
SCALES

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



KITTERY YORK COUNTY

NATIONAL HIGHWAY SYSTEM PROJECT NO. IM-95-8138(00)E PROJECT LENGTH: 421.480 METERS KITTERY TOURIST INFORMATION CENTER PUMP STATION & SEWER IMPROVEMENTS

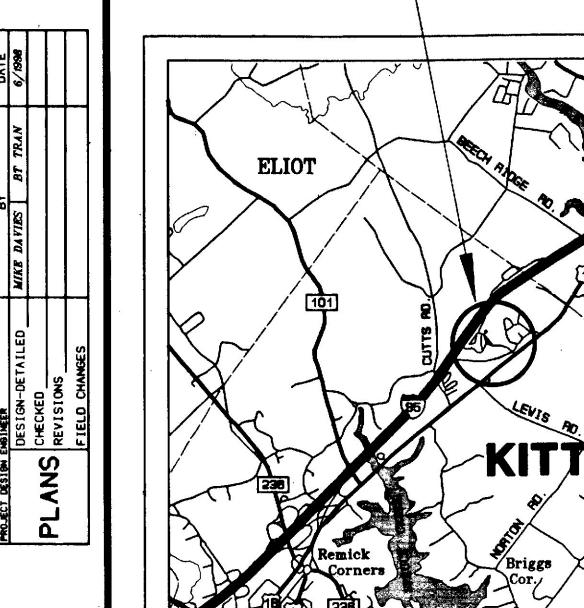
LAYOUT PLAN

SHEETS *INDEX* SHEET NO. **DESCRIPTION** ESTIMATED QUANTITIES & GENERAL NOTES PLAN SHEETS PROFILE SHEETS B.M.P. GENERAL NOTES DETAIL SHEETS : PUMP STATION DETAILS SPECIAL DETAILS PUMP HOUSE MODIFICATIONS

STA. 50+400.75 END PROPOSED PROJECT NO. IM-95-8138(00)E

MAINE IM-95-8138(00)E 1

All dimensions are in millimeters unless otherwise noted.
 All elevations and stations are in meters.



A PORTION OF YORK COUNTY SCALE IN KILOMETERS

10KK 8	
LIOT	
EVIS PO	
KITTERY	
Set of the	
Remick Briggs Cor.	

PROJECT AREA

STA. 40+000 BEGIN PROPOSED PROJECT NO. IM-95-8138(00)E

D.H.V. T.(%D.H.V.) D.(%D.H.V.) P.S.D.(%)

STA. 50+035.215 MAIN LINE = STA: 40+053.319 GRAVEL DR.

40 KPH / 25 MPH

A.A.D.T. ___

ALL WORK CONTEMPLATED UNDER THIS CONTRACT TO BE GOVERNED BY WITH THE STANDARD DETAILS (REVISION APRIL 1997) AND SUPPLEMENTALS

APPROVED:

METRIC

STATE OF MAINE DEPARTMENT OF TRANSPORTATION

UNITED STATES DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION REGION 1

DATE

APPROVED:

DIVISION ADMINISTRATOR

1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.

REG. NO. STATE PROJECT NUMBER MAINE IM-95-8138(00)E

8138.00

			Ŀ	
	206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	172	W ₃
	200:07	STRUCTURAL HOUR EXPLANATION STRAINED AND MINOR OFFICE		
	304 . 10	AGGREGATE SUBBASE COURSE-GRAVEL	23	m #
ı				
	403.07	HOT BITUMINOUS PAVEMENT, GRADING B	7	Mg
	403.08	HOT BITUMINOUS PAVEMENT, GRADING C	4	MB
ı	615.07	LOAM	155	m ³
	618.13	SEEDING METHOD NUMBER 1	2	Unit
1	652.31	TYPE I BARRICADE	10	Each
	652.33	DRUM	10	Each
	652.34	CONE	10	Each
	652.35	CONSTRUCTION SIGNS	50	m s
	652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1.0	LS
	652.38	FLAGGER	100	Men Hour
	659 . 10	MOBILIZATION	1.0	LS
	800.20	REMOVE EXISTING ELECTRICAL & MECHANICAL EQUIPMENT	1.0	LS
	801.01	UNDERGROUND PUMP STATION WITH SELF PRIMING PUMPS	1.0	LS
	801.011	BY-PASS PUMPING SYSTEM	1.0	LS
	801.52	LAGOON EXCAVATION AND DISPOSAL	1.0	LS
	·			
ı	803.20	WET WELL LINING	1.0	LS
	803.201	WET WELL 2450 mm DIAMETER	1.0	LS
			4.5	
ŀ	806.10	EMERGENCY GENERATOR SYSTEM	1.0	LS_
	806.25	UNDERGROUND ELECTRIC SERVICE	1.0	LS
1	806.26	ELECTRICAL IMPROVEMENTS	1.D	LS
			1.0	LS
	815.271	REHABILITATION OF EXISTING PUMP HOUSE	1,0	LS
	822.321	100 mm CLASS 52 DUCTILE IRON PIPE	425	m
	822.321	100 mm CLASS S2 DOCTILE THOM FIFE	460	<u> </u>
			1	
				1
63				
jes				
ANGES				
CHANGES				
FIELD CHANGES				

ESTIMATED QUANTITIES

QUANTITY

1.0

255

UNIT

LS

DESCRIPTION

107.27 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL

204.41 REHABILITATION OF EXISTING SHOULDERS, PLAN QUANTITY

ITEM NO

* UNDETERMINED LOCATION

GENERAL NOTES

- 1. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS NOTED.
- 2. ALL UTILITIES SHOWN HAVE BEEN PLOTTED FROM EXISTING UTILITY MAPS AND ARE APPROXIMATE IN LOCATION AND DEPTH. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY FOR LOCATING ALL UNDERGROUND UTILITIES THAT MAY EXIST WITHIN THE LIMITS OF PROPOSED CONSTRUCTION WHETHER OR NOT SHOWN ON THESE PLANS. ALL UTILITY SERVICES SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION WORK WITHIN THE IMMEDIATE PROXIMITY OF THEIR LINES. ANY DAMAGE TO THESE UTILITY LINES. FINE OR ASSESSMENTS BY REGULATOR AGENCIES SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY.
- 3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND APPLICABLE BUILDING CODES.
- 4. ALL CONCRETE SHALL BE 4,000 P.S.I. UNLESS OTHERWISE INDICATED ON THE PLANS.
- 5. ALL MISCELLANEOUS METAL IN THE WET WELL SHALL BE ALUMINUM.
- 6. PUMP STATION ELECTRICAL WIRING AND CONDUIT SHALL BE SIZED AND LOCATED IN ACCORDANCE WITH CURRENT APPLICABLE ELECTRICAL CODES. PVC ELECTRICAL CONDUIT SHALL BE SCHEDULE 80. ALL ELECTRICAL EQUIPMENT SHALL COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE, NEC.
- 7. EXISTING ELECTRICAL SERVICE METER WITH BOX, AND WIRE SHALL BE REPLACED IN ACCORDANCE WITH CENTRAL MAINE POWER REQUIREMENTS FOR UNDERGROUND ELECTRIC SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION DIRECTLY WITH CMP. ALL ELECTRICAL UPGRADES SHALL BE IN STRICT COMPLIANCE WITH CURRENT N.E.C. (NATIONAL ELECTRICAL CODE) AND CMP GUIDELINES.
- 8. CONTRACTOR SHALL SUBMIT, FOR REVIEW AND APPROVAL, A DETAILED ELECTRICAL RISER DIAGRAM SHOWING ALL PROPOSED ELECTRICAL EQUIPMENT PROPERLY SIZED AND CONFIGURED. THE DRAWINGS SHALL BE SEALED BY A REGISTERED ELECTRICAL ENGINEER HOLDING A VALID PROFESSIONAL ENGINEERS REGISTRATION IN THE STATE OF MAINE.
- 9. ALL UNDERGROUND CONDUIT SHALL BE PROVIDED WITH MOISTURE RESISTANT INSULATION.
- 10. WET WELL HATCH SHALL BE BILCO TYPE "K" [ALUMINUM] OR APPROVED EQUAL, SIZED AND INSTALLED IN ACCORDANCE WITH PLANS, SPECIFICATIONS, AND MANUFACTURER RECOMMENDATIONS. ALL HINGES AND ASSOCIATED HARDWARE SHALL BE STAINLESS STEEL. ALL HATCHES SHALL INCLUDE LOCKING HASPS.
- 11. CONTRACTOR SHALL FURNISH FOR EACH PUMP, A COMPLETE SET OF MANUFACTURES RECOMMENDED SPARE PARTS INCLUDING SPARE IMPELLERS FOR EACH PUMP.
- 12. CONTRACTOR SHALL DEWATER, DRY, REMOVE, AND PROPERLY DISPOSE OF ALL WASTEWATER SOLIDS FORM THE EXISTING LAGOON AND PUMP STATION IN FULL COMPLIANCE WITH CURRENT ENVIRONMENTAL REGULATIONS.
- 13. THE EXISTING LAGOON AND ALL RELATED MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF. ALL PUMPS AND MECHANICAL EQUIPMENT REMAIN THE PROPERTY OF MAINE DEPARTMENT OF TRANSPORTATION. CONTRACTOR SHALL DELIVER ALL MECHANICAL EQUIPMENT TO MOOT DIVISION #6 MAINTENANCE FACILITY LOCATED ON ROUTE U.S. 1 APPROXIMATELY 6.1 km (3.8 MILES) FROM THE KITTERY - YORK TOWN LINE. UNLOAD STONE AS DIRECTED BY THE CONSTRUCTION MANAGER.
- 14. CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROLS TO ENSURE CONTINUOUS UNINTERRUPTED FLOW OF TRAFFIC, PEDESTRIAN AND VEHICULAR.
- 15. CONTRACTOR SHALL EXERCISE WHATEVER MEANS NECESSARY TO ENSURE USE OF THE EXISTING TOURIST INFORMATION CENTER IS CONTINUES AND UNINTERRUPTED.
- 16. CONTRACTOR SHALL PROVIDE UNINTERRUPTED BYPASS PUMPING OPERATION IN ACCORDANCE WITH PROJECT SPECIFICATIONS. THE BY PASS OPERATION SHALL BE MANNED CONTINUOUS 24 HOURS A DAY THROUGHOUT THE DURATION OF THE PROJECT.
- 17. CONTRACTOR SHALL RESTORE ALL PAVEMENT CUTS IN ACCORDANCE WITH PAVEMENT PATCH DETAILS.
- 18. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN STRICT COMPLIANCE WITH THE DEPARTMENT OF TRANSPORTATION'S "BEST MANAGEMENT PRACTICES". THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH ALL APPLICABLE MEASURES CONTAINED WITHIN THE BMP WHICH MAY BE PERTINENT TO THIS PROJECT. THE PURPOSE OF SUCH MEASURES SHALL BE TO PRECLUDE THE TRANSPORT OF ALL WATERBORNE SEDIMENTS FROM ENTERING ONTO ADJACENT PROPERTIES OR STATE WATERS. ALL SEDIMENTS MUST BE CONFINED TO THE PROJECT SITE. IF FIELD INSPECTIONS REVEAL THE INADEQUACY OF THE PLAN TO CONFINE SEDIMENT TO THE PROJECT SITE. APPROPRIATE MODIFICATIONS WILL BE MADE TO CORRECT ANY PLAN DEFICIENCIES.

- 19. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.
- 20. EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SUBPART P OF 29 CFR PART 1926.650-.652 (CONSTRUCTION STANDARD FOR EXCAVATIONS).
- 21. TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED AS DIRECTED BY THE ENGINEER. PAYMENT WILL BE MADE UNDER ITEMS 107.27.
- 22. PLAN SHEETS OF PREVIOUSLY CONSTRUCTED PROJECTS IN THIS AREA ARE AVAILABLE ON REQUEST.
- 23. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 50 mm (2") UNLESS OTHERWISE NOTED OR DIRECTED.
- 24. MULCH SHALL BE APPLIED IN AREAS SEEDED BY SEEDING METHOD NO. 1.
- 25. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS.
- 26. LOAM HAS BEEN ESTIMATED FOR 100% OF THE DISTURBED SLOPE AREA. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS DESIGNATED BY THE ENGINEER.
- 27. ALL EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE WORK. PAYMENT FOR EXCAVATION WORK SHALL BE A PART OF AND BE INCLUDED IN THE UNIT PRICE COST OF THE RESPECTIVE BID ITEM.
- 28. ANY NECESSARY CUTTING OF EXISTING MANHOLES PIPES WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 803.
- 29. ANY EXISTING PAVEMENT OR SHOULDERS SHALL BE RESURFACED AS INDICATED ON THE PLANS OR AS DETERMINED IN THE FIELD BY THE ENGINEER.
- 3D. IF FOUNDATION MATERIAL IS REQUIRED UNDER PIPE AND STRUCTURES, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW -
- 31. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN STRICT COMPLIANCE WITH SPECIAL PROVISION 107. PAYMENT FOR TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENT CONTROL SHALL BE PAID AS PART OF ITEM 107.27.
- 32. ALL FORCE MAIN PIPE & FITTING SHALL BE RESTRAINED JOINT DUCTILE IRON CL 350 LINED WITH PROTECTO 401 CERAMIC EPOXY OR EQUAL.

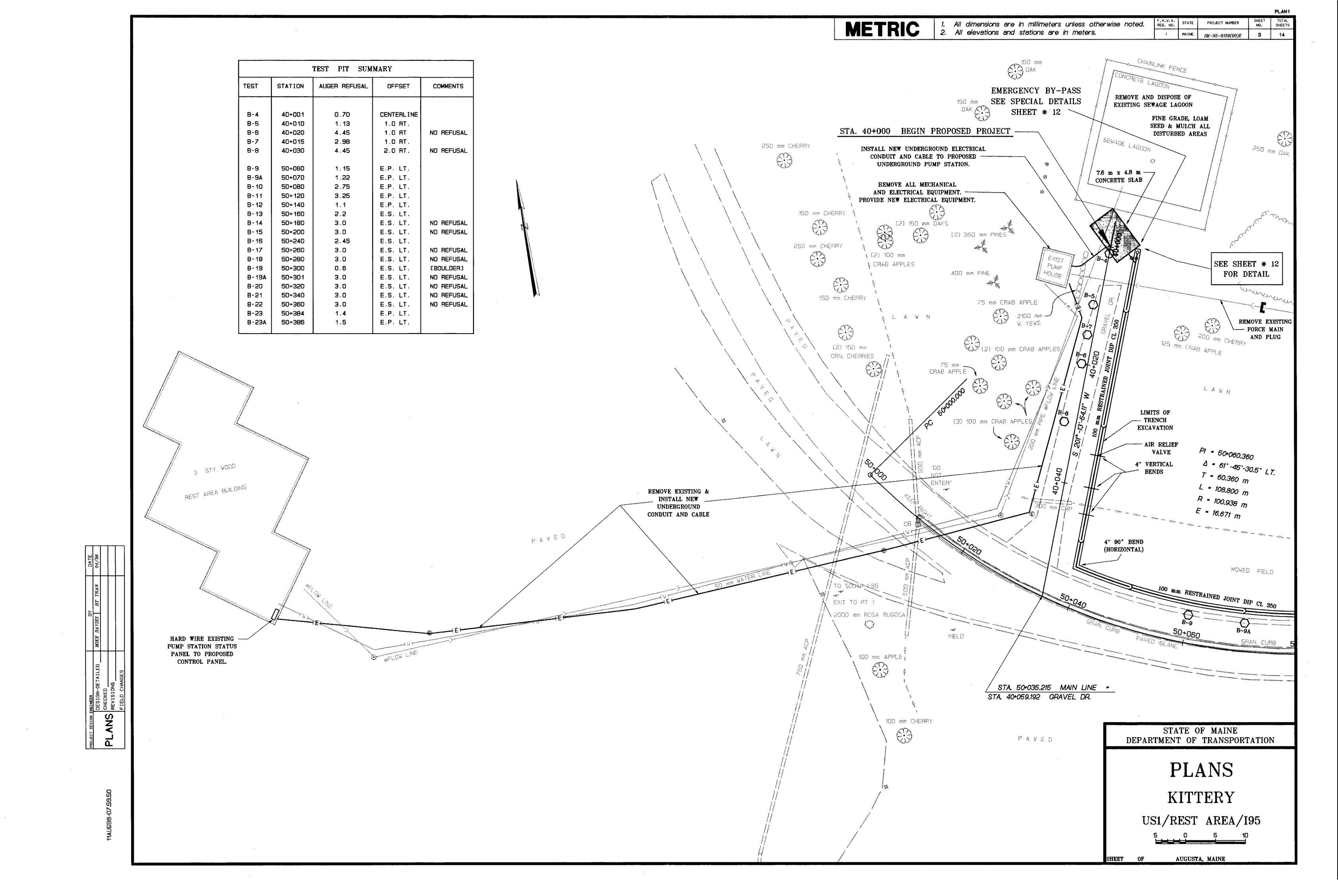
STATE OF MAINE DEPARTMENT OF TRANSPORTATION

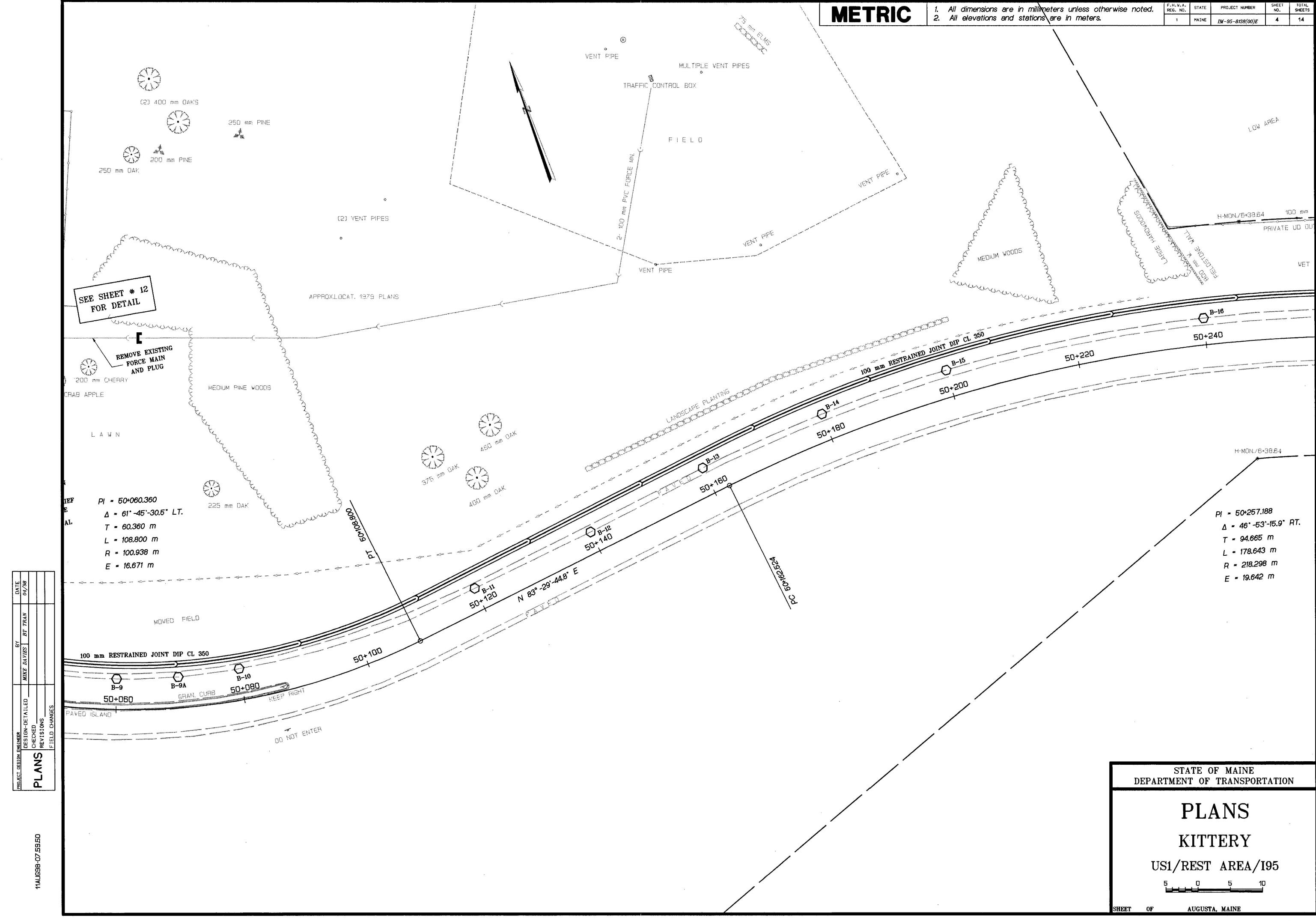
KITTERY

ESTIMATED QUANTITIES GENERAL NOTES

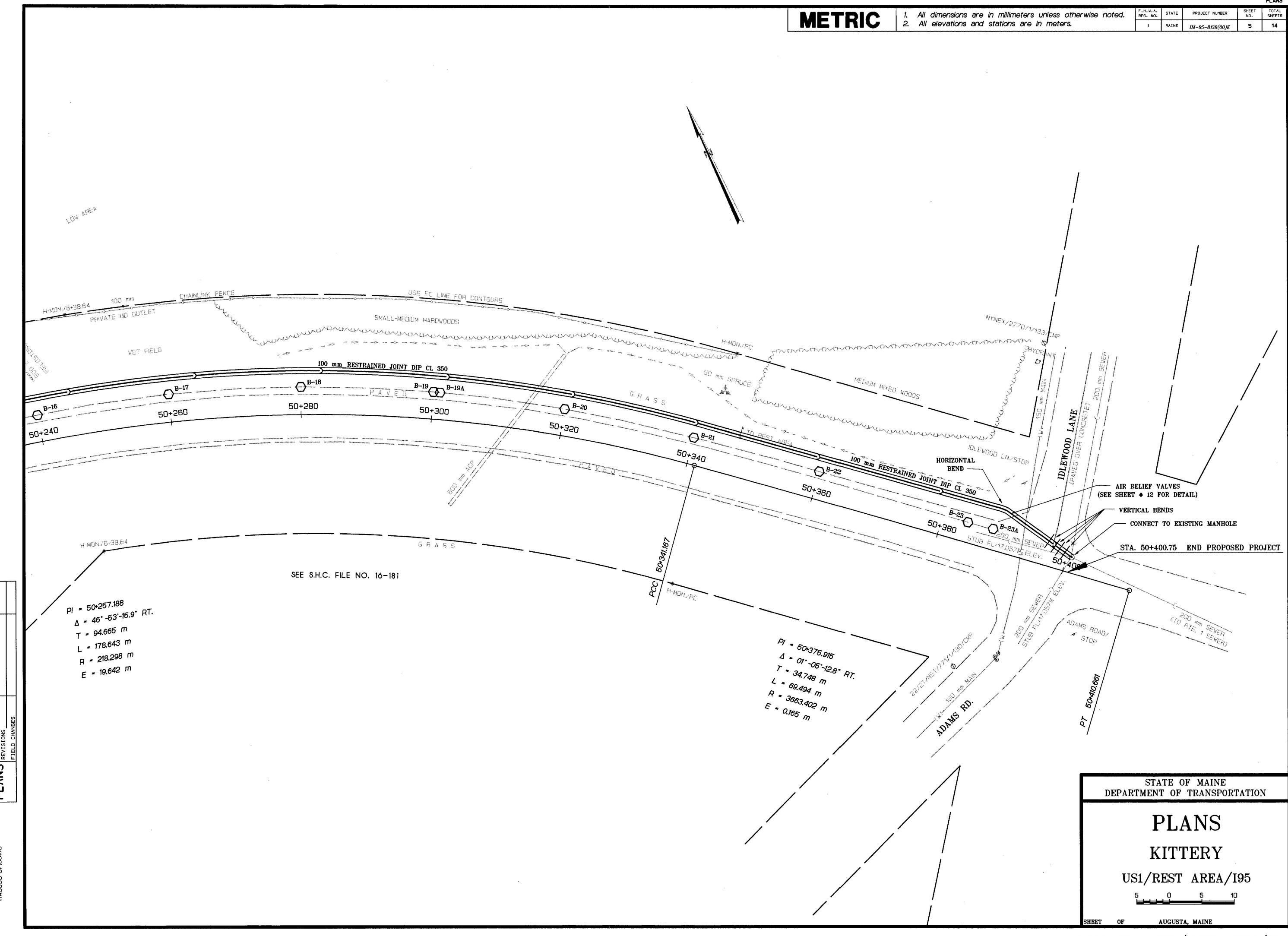
SHEET OF

AUGUSTA, MAINE





KITTERY US1/REST AREA/I95



B.M.P. GENERAL NOTES

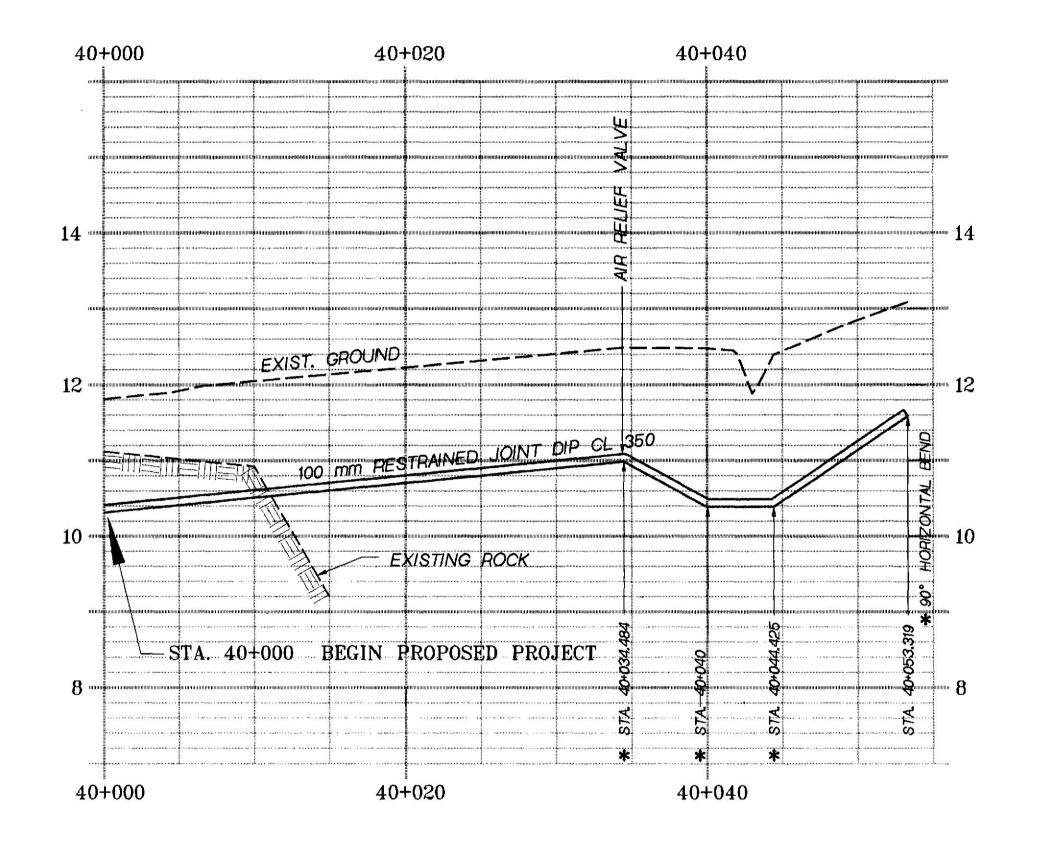
EROSION AND SEDIMENT CONTROL MEASURES

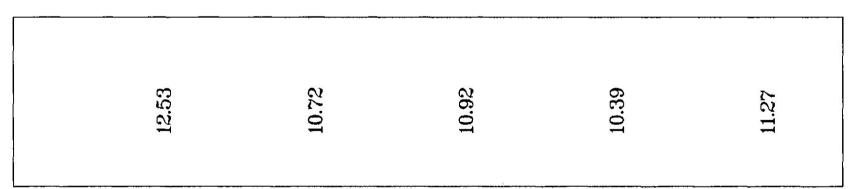
All erosion and sedimentation measures shall be in strict accordance with Department of Transportation, Best Management Practice (Special Provision 107). The contractor shall be thoroughly familiar with all applicable measures contained therein which may be pertinent to this project. The purpose of such measures shall be to preclude the transport of all waterborne sediments resulting from construction activities from entering onto adjacent properties or state waters. All sediments must be confined to the project site. If field inspections reveal the inadequacy of the plan to confine sediment to the project site, Appropriate modifications will be made to correct any plan deficiencies.

Permanent soil stabilization shall be applied to all denuded areas within 2

weeks after final grade is reached on any portion of the site. Temporary soil stabilization shall be applied daily to denuded areas that may be at final grade, but will remain dormant (undisturbed) for longer than seven days. Permanent stabilization shall be applied to areas that are to be left dormant for more than three months. During construction of the project, soil stock piles shall be stabilized or protected with sediment trapping measures. The contractor is responsible for the temporary protection and permanent stabilization of all soil stockpiles on site as well as soil intentionally transported from the project site. A permanent vegetative cover shall be established on denuded areas not otherwise permanently stabilized. Permanent vegetation shall not be considered established until a ground cover is achieved that, in the opinion of the Resident Engineer, is uniform, mature enough to survive and will inhibit erosion. Sediment basins and traps, perimeter dikes sediment barriers and other measures intended to trap sediment shall be constructed as a first step in any land disturbing activity and shall be made functional before upslope land disturbance takes place. Cut and fill slopes shall be designed and constructed in a manner that will minimize erosions. Slopes that are found to be eroding excessively within one year of permanent stabilization shall be provided with additional slope stabilizing measures until the problem is corrected. All storm sewer inlets which may be subject to excavated sediment during construction shall be protected so that sediment-laden water cannot enter the conveyance system without first being filtered or otherwise treated to remove sediment. No more than 90 meters of trench for underground utility lines (sanitary sewer, storm sewer, water line or other underground utilities) may be opened at one time. Any effluent from dewatering operations shall be filtered or passed through an approved sediment trapping device, or both, and discharged in a manner that does not adversely affect flowing streams or off-site property. Where construction vehicle access routes intersect paved public roads, provisions shall be made to minimize the transport of sediment by vehicular tracking onto the paved surface. Where sediment is transported onto a public road surface, the road shall be cleaned immediately. Sediment shall be removed from the roads by shoveling or sweeping and transported to a sediment control disposal area. Street washing shall be allowed only after sediment is removed in this manner. This provision shall apply to all construction activities. All temporary erosion and sediment control measures shall be removed within thirty days after final site stabilization or after the temporary measures are no longer needed, unless otherwise authorized by the resident engineer. Trapped sediment and the disturbed soil areas resulting from the disposition of temporary measures shall be permanently stabilized to prevent further erosion and sedimentation. Final vegetative cover (stabilization) shall consist of topsoiling, liming fertilizing, seeding and mulching to assure successful germination and establishement of a stable grass cover. Final vegetative cover shall be proved in accordance with the contract specifications. Irrigation shall be required as necessary to ensure establishment of grass cover. All erosion and sediment control structures and systems shall be maintained, inspected and repaired as needed to ensure continued performance of their intended function. All disturbed areas shall be topsoiled and seeded in accordance with Department of Transportation's current Best Management Practice for Erosion and Sediment Control.

PROPOSED 100 mm FORCE MAIN PROFILE FOR KITTERY - 195 (REST AREA) - PIN 8138.00





* ALL VERTICAL AND HORIZONTAL BEND SHALL BE M.J. FITTING WITH MEGA-LUG RESTRAINTS AND CONC. THRUST BLOCK.

> STATE OF MAINE DEPARTMENT OF TRANSPORTATION

> > FORCE MAIN PROFILE &

B.M.P. GENERAL NOTES

KITTERY TOURIST INFORMATION CENTER

Pin. # 8138.00

AUGUSTA, MAINE

PLANS REVISIONS

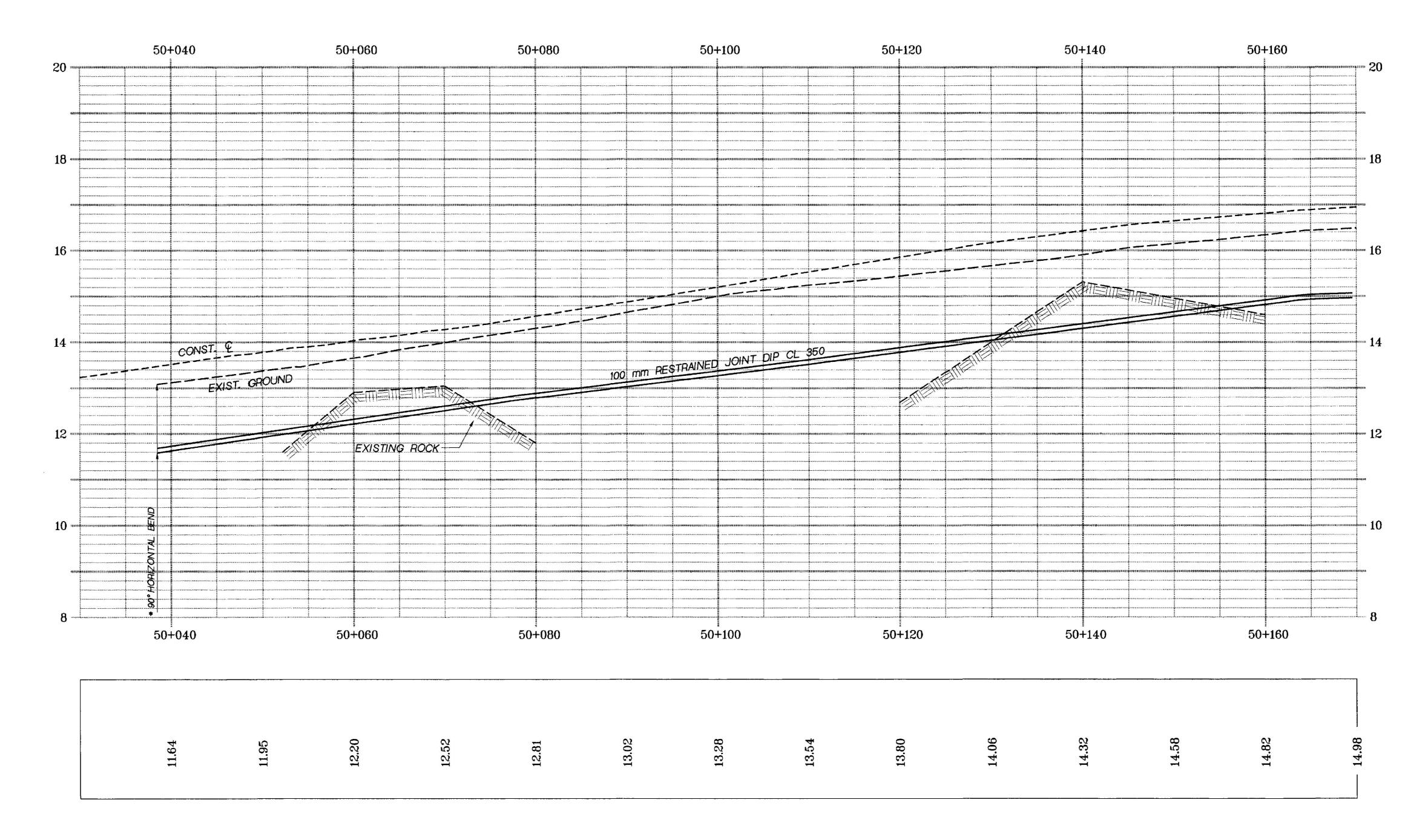
PLANS

SHEET 1 OF 4

1 MAINE IM-95-8138(00)E

KITTERY

PROPOSED 100 mm FORCE MAIN PROFILE FOR KITTERY - 195 (REST AREA) - PIN 8138.00



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STATE OF MAINE DEPARTMENT OF TRANSPORTATION

FORCE MAIN PROFILE

KITTERY TOURIST INFORMATION CENTER

Pin. # 8138.00

SHEET 2 OF 4 AUGUSTA, MAINE

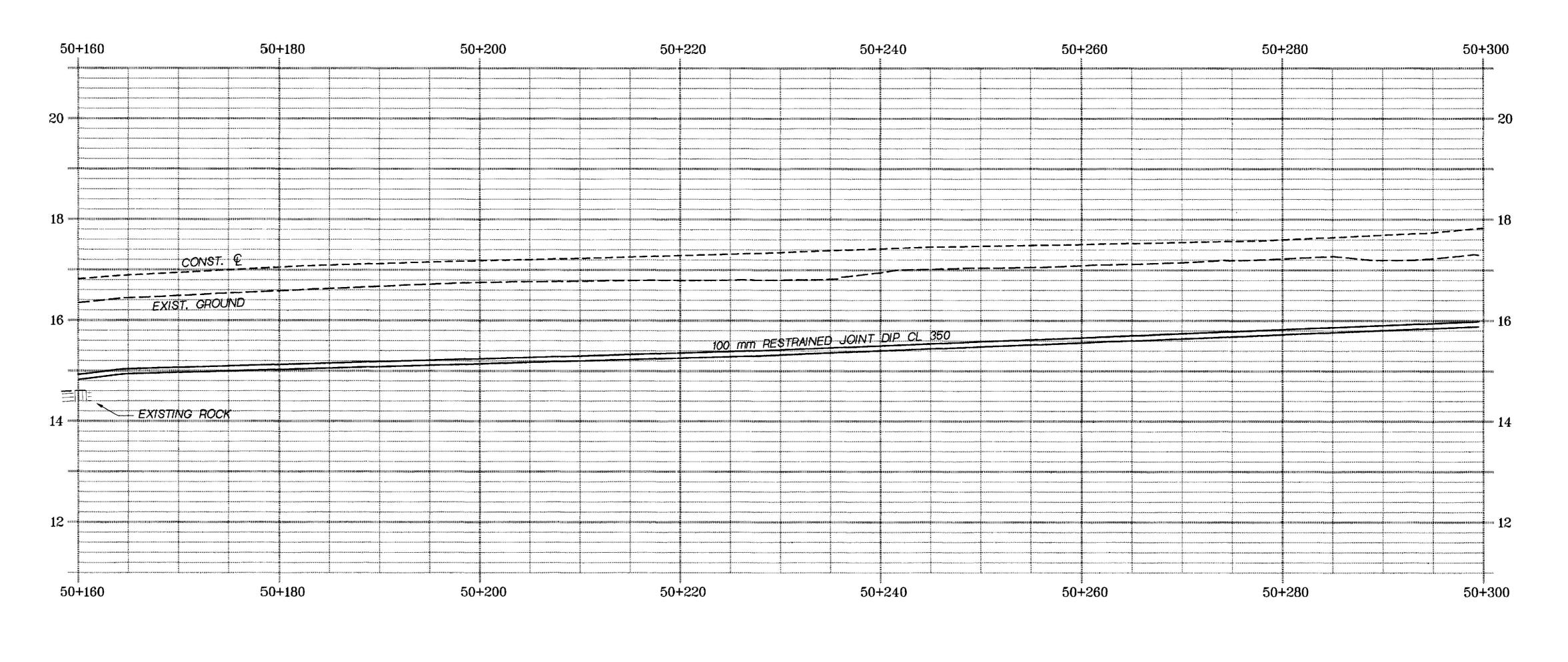
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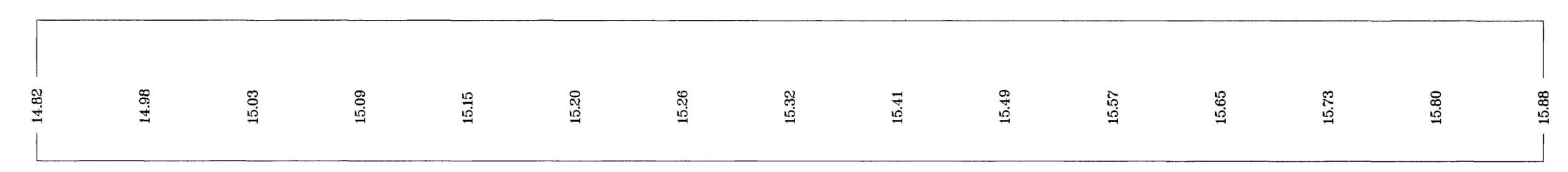
PROJECT NUMBER SHEET TOTAL SHEETS

1 MAINE IM-95-8138(00)E 8 14

KITTERY

PROPOSED 100 mm FORCE MAIN PROFILE FOR KITTERY - I95 (REST AREA) - PIN 8138.00





STATE OF MAINE DEPARTMENT OF TRANSPORTATION

FORCE MAIN PROFILE

KITTERY TOURIST INFORMATION CENTER

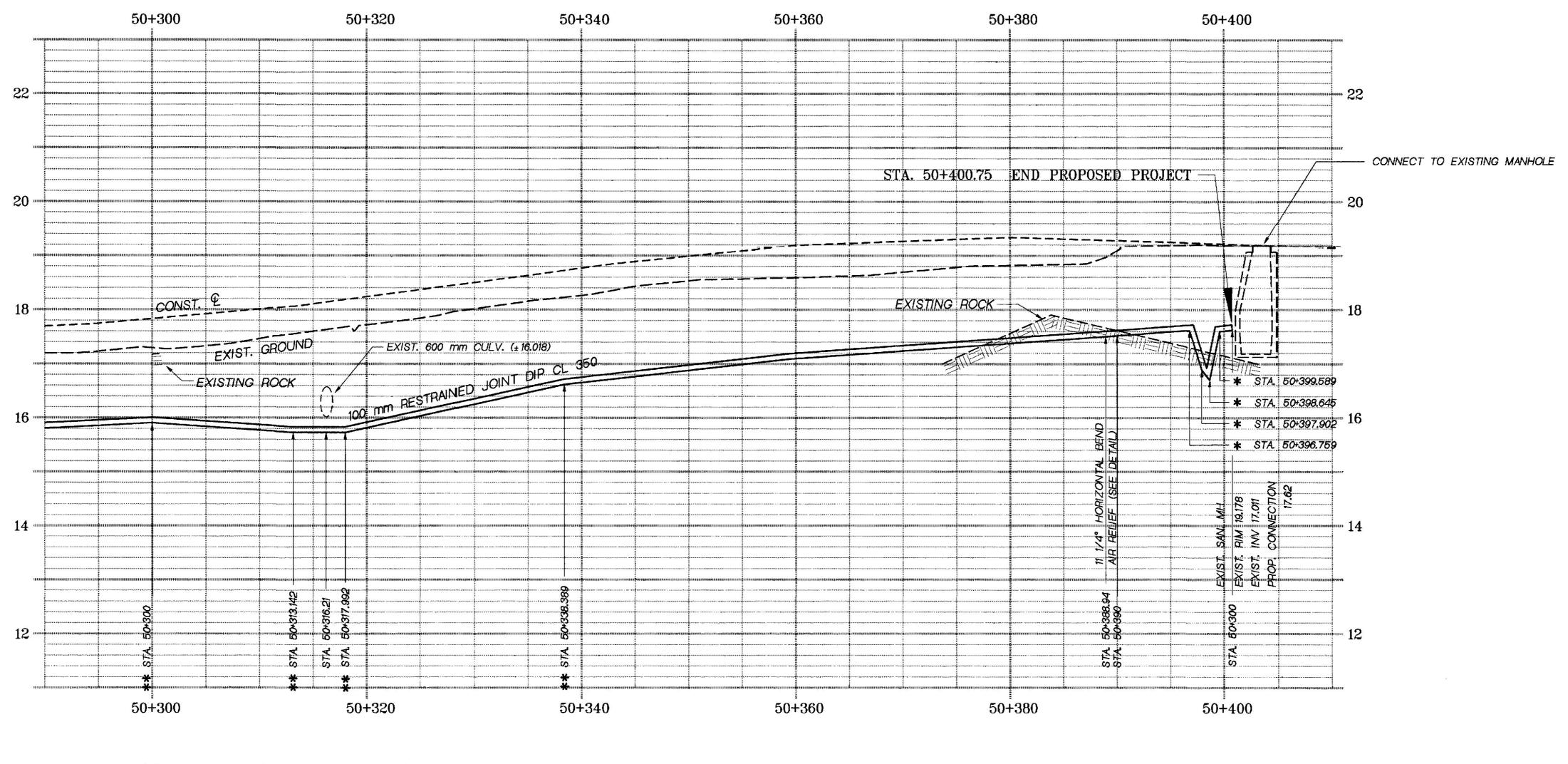
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SHEET 3 OF 4 AUGUSTA, MAINE

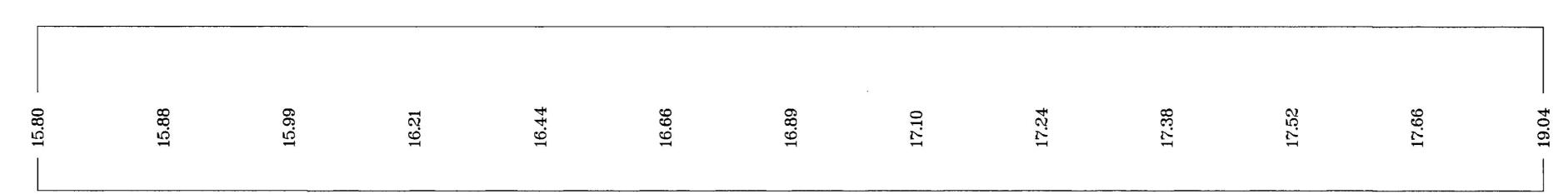
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KITTERY

PROPOSED 100 mm FORCE MAIN PROFILE FOR KITTERY - 195 (REST AREA) - PIN 8138.00







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STATE OF MAINE DEPARTMENT OF TRANSPORTATION

FORCE MAIN PROFILE

KITTERY TOURIST INFORMATION CENTER

Pin. # 8138.00

AUGUSTA, MAINE

