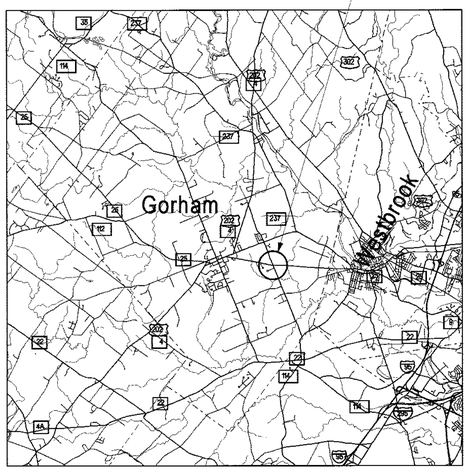
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TMSI

PROJECT STP-1724(300)X



LOCATION MAP

A PORTION OF CUMBERLAND COUNTY

2 0 2 4

Scale in Miles

GORHAM
CUMBERLAND
NEW PORTLAND RD\LIBBY AVE\BRACKETT RD
STP-1724(300)X
PROJECT LENGTH : 0.155 MILES
ROUNDABOUT CONSTRUCTION

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
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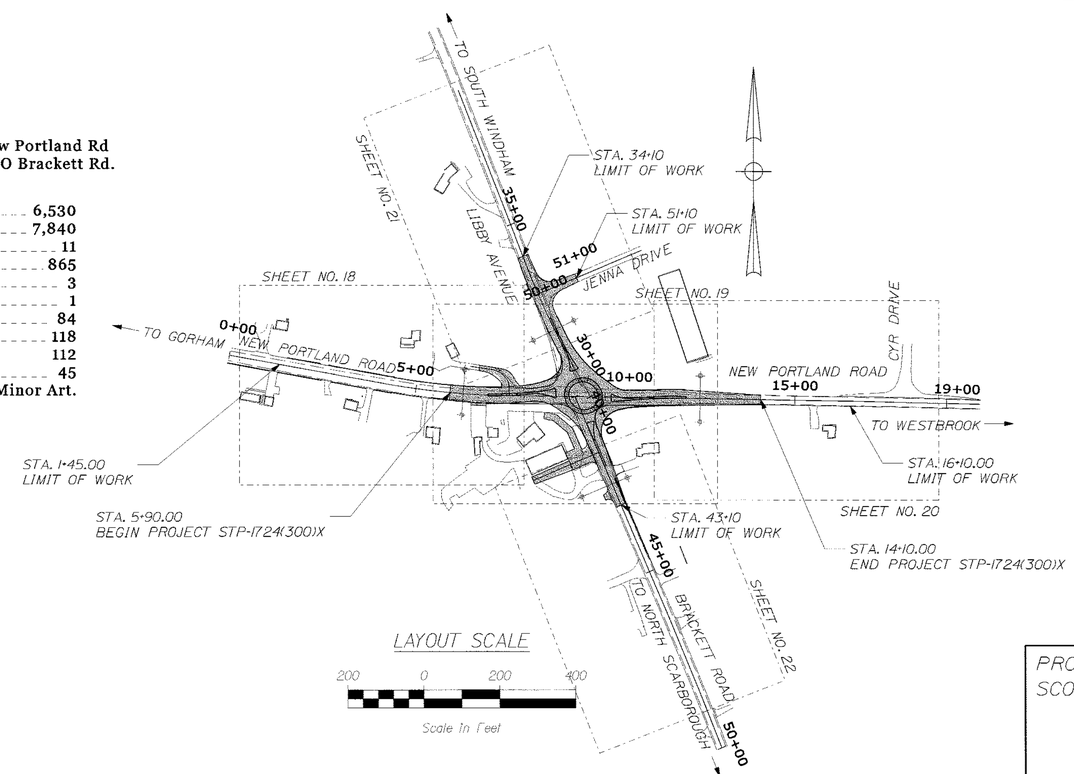
Cross - Sections	26-54
Right of Way Map	55-56

TRAFFIC DATA

	Libby Ave	New Portland Rd E/O Libby Ave	Brackett Rd	New Portland Rd W/O Brackett Rd.
Current (2011) AADT	2,940	5,980	3,760	6,530
Future (2031) AADT	3,530	7,180	4,510	7,840
DHV - % of AADT	8	11	8	11
Design Hour Volume	277	775	359	865
% Heavy Trucks (AADT)	5	3	6	3
% Heavy Trucks (DHV)	4	1	3	1
Directional Distribution (DHV)	71	85	71	84
18 kip Equivalent P 2.0	98	96	136	118
18 kip Equivalent P 2.5	93	91	130	112
Design Speed (mph)	35	45	45	45
Functional Class:	Maj. Coll	Minor Art.	Maj. Coll.	Minor Art.



LAYOUT SCALE

200 0 200 400

Scale in Feet

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
Utility Poles — Existing — Proposed
Fire Hydrants — Existing — Proposed
Existing Water Line
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

PROGRAM AREA: HAZARD ELIMINATION
SCOPE OF WORK: INTERSECTION IMPROVEMENTS WITHOUT A SIGNAL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

	DATE
APPROVED	
COMMISSIONER:	4/27/11
CHIEF ENGINEER:	4/26/11

STATE OF MAINE JAMES L. EASON No. 7960 LICENSED PROFESSIONAL ENGINEER

SIGNATURE	
P.E. NUMBER	7960
DATE	APRIL 7, 2011

PROJECT INFORMATION

PROGRAM	TRAFFIC
PROJECT MANAGER	JIM MANGIR
DESIGNER	A. GODFREY/J. EASON
CONSULTANT	TERRA MAGNA SERVICES, INC.
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

PIN 17243.00

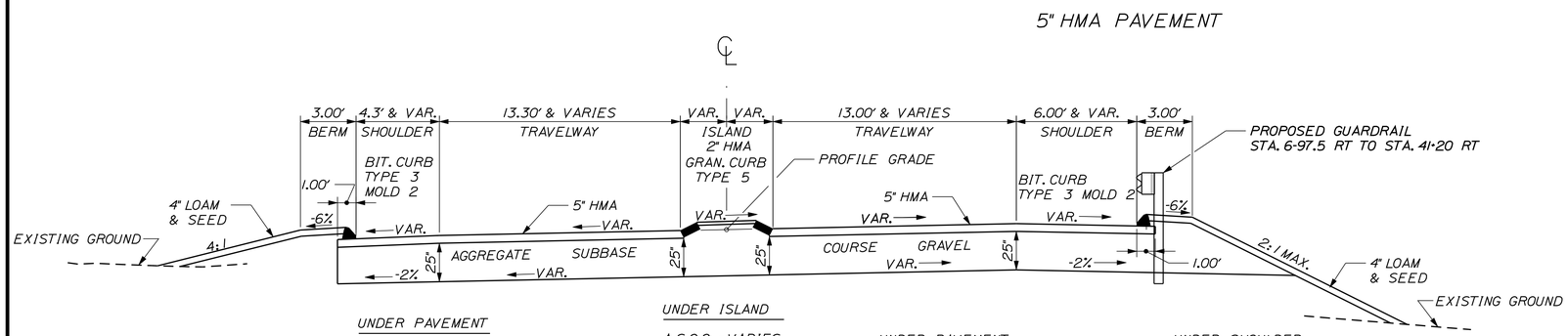
STP-1724(300)X

GORHAM
NEW PORTLAND RD
ROUNDABOUT

TITLE SHEET

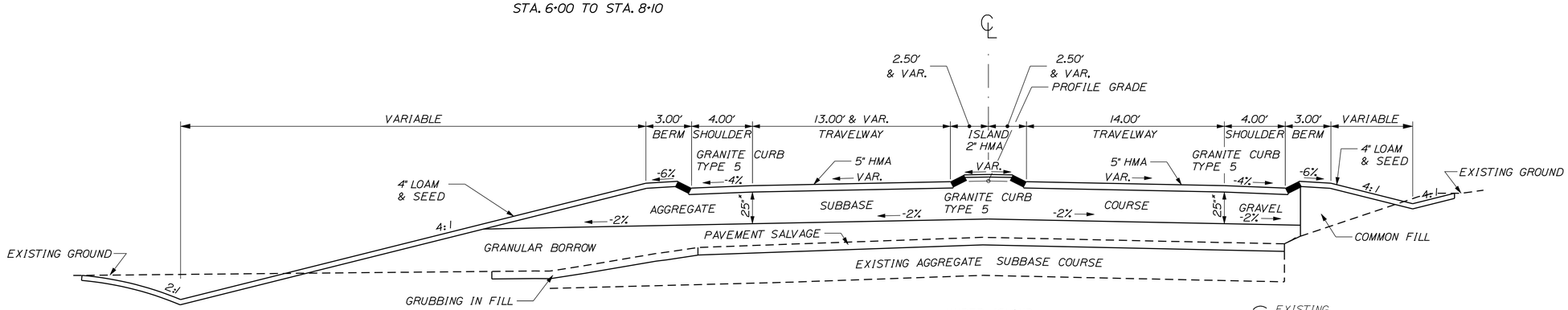
SHEET NUMBER
1
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$



NEW PORTLAND ROAD

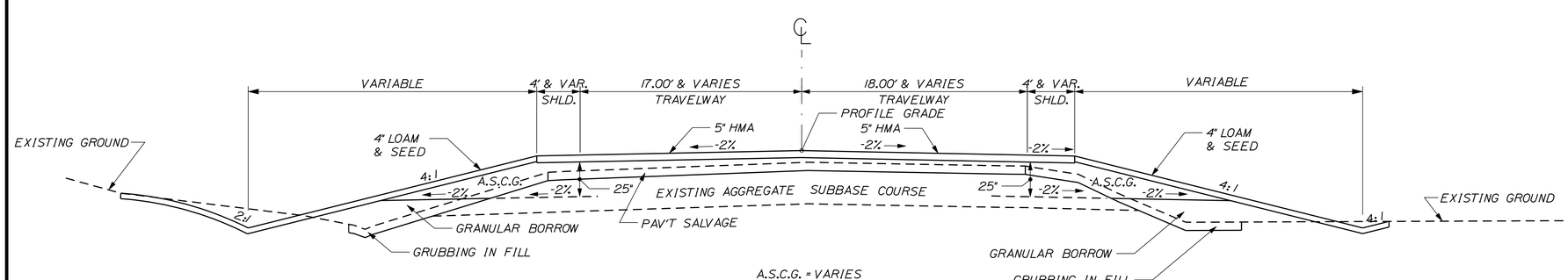
STA. 6+00 TO STA. 8+10



REMOVE EXISTING PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 6". REGRADE EXISTING SUBBASE TO DRAIN AND PLACE VARIABLE DEPTH GRANULAR BORROW. SHIM DEPTHS LESS THAN 2" WITH MATERIAL MEETING GRADATION OF UNTREATED AGGREGATE SURFACE COURSE. REGRADING SHALL BE INCIDENTAL TO ITEM 304.10.

NEW PORTLAND ROAD

STA. 8+10 TO STA. 8+70
STA. 10+15 TO STA 12+15



REMOVE EXISTING PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 6". REGRADE EXISTING SUBBASE TO DRAIN AND PLACE VARIABLE DEPTH GRANULAR BORROW. SHIM DEPTHS LESS THAN 2" WITH MATERIAL MEETING GRADATION OF UNTREATED AGGREGATE SURFACE COURSE. REGRADING SHALL BE INCIDENTAL TO ITEM 304.10.

NEW PORTLAND ROAD

STA. 12+15 TO STA. 14+00

NOTE:

1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER'S PAVEMENT SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVEL WAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. EXCEPT WHERE NOTED, THE GRAVEL QUANTITY CALCULATION IS BASED ON 4" LOAM. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.
5. THE ALGEBRAIC DIFFERENCE BETWEEN SHOULDER AND TRAVEL LANE CROSS SLOPE "ROLLOVER" SHALL NOT EXCEED 8%.
6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
7. A.S.C.G. = AGGREGATE SUBBASE COURSE - GRAVEL
H.M.A. = HOT MIX ASPHALT

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

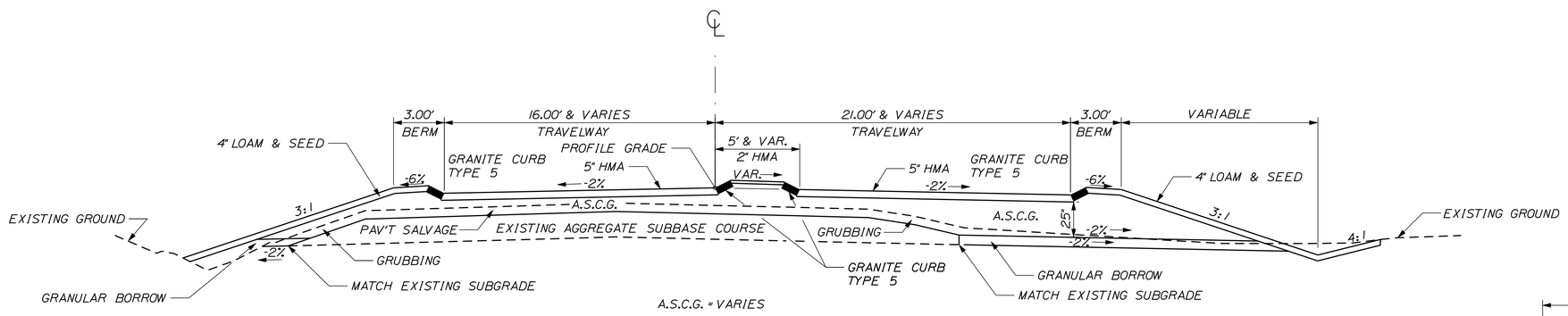
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

TYPICAL SECTIONS

SHEET NUMBER
2
OF 56

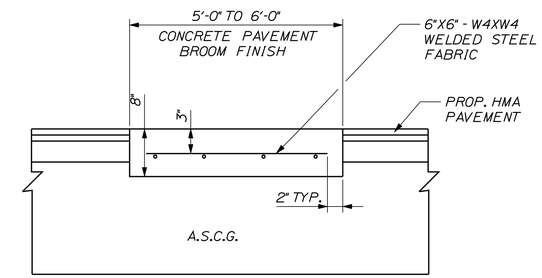
Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$



LIBBY AVENUE

STA. 31+00 TO STA. 34+00

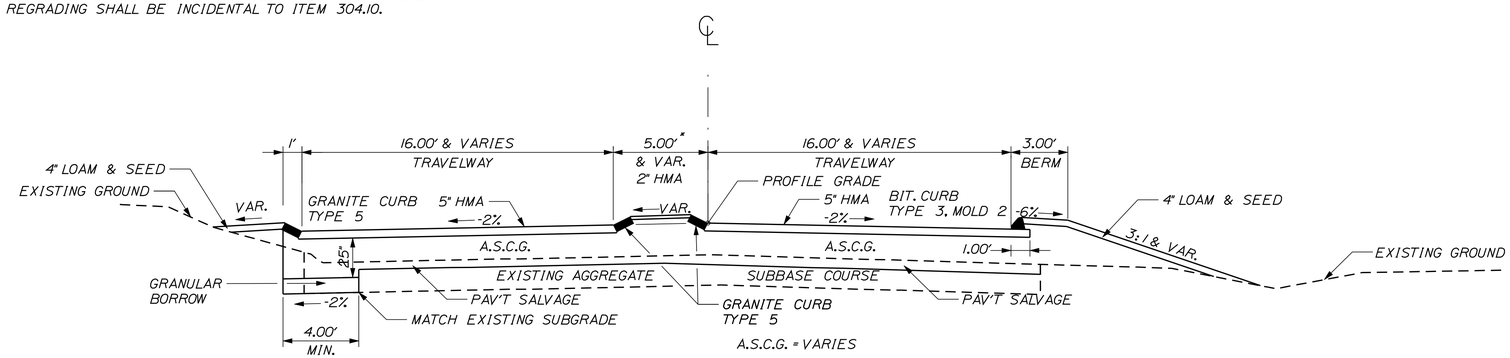
REMOVE EXISTING PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 6". REGRADE EXISTING SUBBASE TO DRAIN AND PLACE VARIABLE DEPTH AGGREGATE. SHIM DEPTHS LESS THAN 2" WITH MATERIAL MEETING GRADATION OF UNTREATED AGGREGATE SURFACE COURSE. REGRADING SHALL BE INCIDENTAL TO ITEM 304.10.



FLUSH CONCRETE MEDIAN

NTS

STA. 7+28.0 TO STA. 7+66.1
STA. 41+25.2 TO STA. 42+00.0



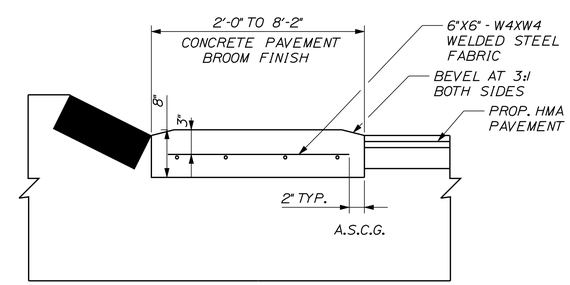
* RAISED GRANITE ISLAND STA. 40+72.31 TO STA. 41+24.14
FLUSH CONCRETE ISLAND STA. 41+25.2 TO STA. 42+00

BRACKETT ROAD

STA. 41+00 TO STA. 43+00

A.S.C.G. = AGGREGATE SUBBASE COURSE - GRAVEL

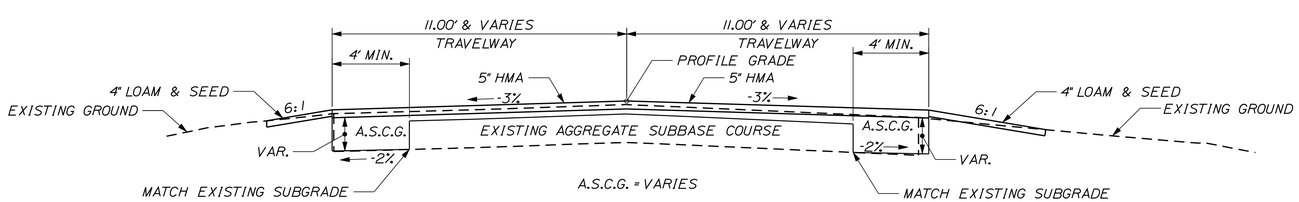
REMOVE EXISTING PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 6". REGRADE EXISTING SUBBASE TO DRAIN AND PLACE VARIABLE DEPTH AGGREGATE. SHIM DEPTHS LESS THAN 2" WITH MATERIAL MEETING GRADATION OF UNTREATED AGGREGATE SURFACE COURSE. REGRADING SHALL BE INCIDENTAL TO ITEM 304.10.



1" RAISED CONCRETE ISLAND

NTS

STA. 30+88.3 LT TO STA. 31+16.6 LT



JENNA DRIVE

STA. 50+25 TO STA. 51+00

REMOVE EXISTING PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 6". REGRADE EXISTING SUBBASE TO DRAIN AND PLACE VARIABLE DEPTH AGGREGATE. SHIM DEPTHS LESS THAN 2" WITH MATERIAL MEETING GRADATION OF UNTREATED AGGREGATE SURFACE COURSE. REGRADING SHALL BE INCIDENTAL TO ITEM 304.10.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

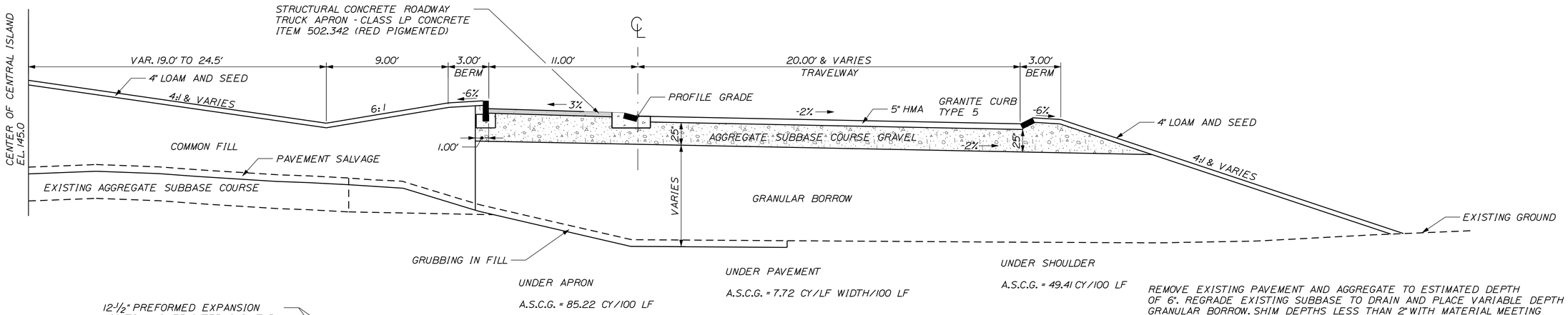
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

TYPICAL SECTIONS

SHEET NUMBER
3
OF 56

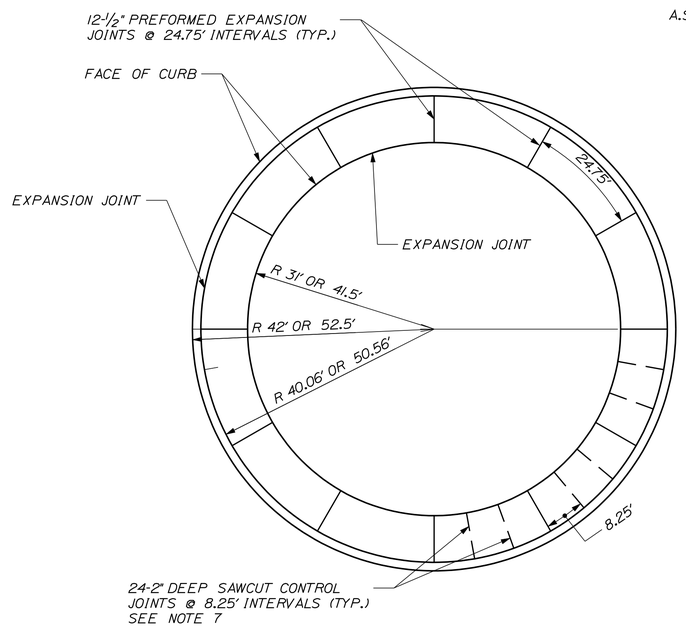
Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$



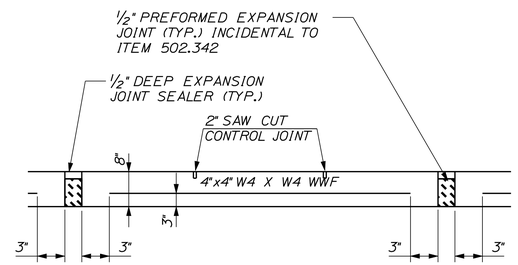
REMOVE EXISTING PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 6". REGRADE EXISTING SUBBASE TO DRAIN AND PLACE VARIABLE DEPTH GRANULAR BORROW. SHIM DEPTHS LESS THAN 2" WITH MATERIAL MEETING GRADATION OF UNTREATED AGGREGATE SURFACE COURSE. REGRADING SHALL BE INCIDENTAL TO ITEM 304.10.

ROUNDABOUT

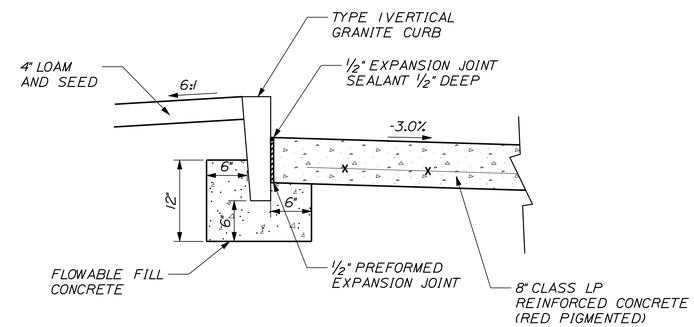
STA. 20+00 TO STA. 23+09.02



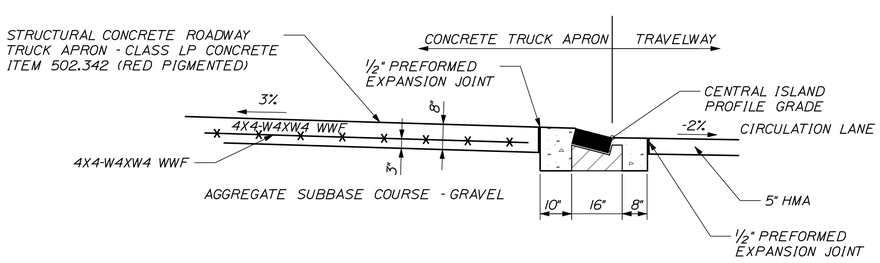
EXPANSION AND CONTROL JOINT LAYOUT



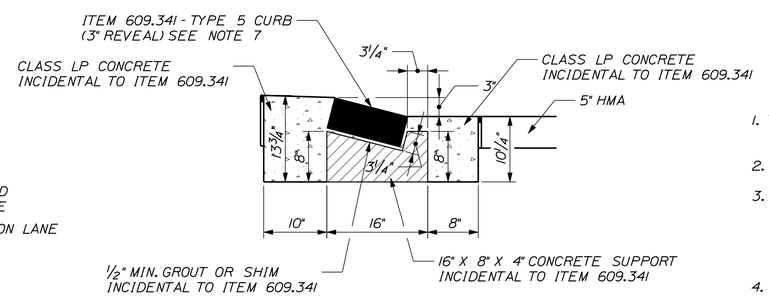
EXPANSION AND CONTROL JOINT DETAIL



TRUCK APRON - LANDSCAPED ISLAND INTERFACE DETAIL



TRAVELWAY/TRUCK APRON INTERFACE



SLOPED GRANITE CURB SUPPORT DETAIL

1. THE 4"X4"-W4XW4 WELDED WIRE REINFORCEMENT SHALL BE SUPPORTED ON CHAIRS. THE WELDED WIRE REINFORCEMENT & CHAIRS SHALL BE INCIDENTAL TO ITEM 502.342.
2. A 3 INCH CURB REVEAL AT THE EDGE OF TRAVELWAY SHALL BE PROVIDED.
3. TWO (2) - 16"X8"X4" CONCRETE SUPPORTS SHALL BE PLACED PER CURB SECTION TO SUPPORT THE CURBING DURING CONCRETE PLACEMENT. GROUT OR SHIM EACH SECTION OF CURB TO GRADE PRIOR TO PLACING CONCRETE. FULL GROUT BED MUST BE USED WHERE SHIMS ARE LESS THAN 2" HIGH. THIS SHALL BE INCIDENTAL TO ITEM 609.341 TYPE 5 CURB - TRUCK APRON.
4. THE LP CONCRETE BED FOR SLOPE GRANITE CURB WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCIDENTAL TO ITEM 609.341. TYPE 5 CURB - TRUCK APRON.
5. THE CONTRACTOR SHALL PLACE THE CONCRETE WITH CARE ASSURING THAT THE SUPPORTED CURB IS NOT DISTURBED DURING PLACEMENT.
6. THE CONCRETE SHALL BE PLACED AND CONSOLIDATED IN SUCH A MANNER THAT NO VOIDS WILL BE PRESENT WHEN COMPLETE.
7. THE CONTRACTOR SHALL PLACE CURB JOINTS TO COINCIDE WITH TRUCK APRON EXPANSION AND CONTROL JOINTS.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
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DESIGN3-DETAILED3			
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REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
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GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

TYPICAL SECTIONS

SHEET NUMBER
4
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$

SUMMARY OF EARTHWORK AND BORROW

COMMON EXCAVATION FOR ESTIMATE			
COMMON EXCAVATION (FROM CROSS SECTIONS)	3,108 CY		
GRUBBING IN FILL	356 CY		
TOTAL COMMON EXCAVATION			3,464 CY
FILL FOR BORROW CALCULATIONS			
COMMON FILL (FROM CROSS SECTIONS)	1,293 CY		
TOTAL FILL			1,293 CY
ROCK EXCAVATION FOR ESTIMATE			
ROCK EXCAVATION	0 CY		
TOTAL ROCK EXCAVATION			0 CY
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS			3,464 CY
(1) TOTAL COMMON EXCAVATION			
DEDUCTIONS:			
GRUBBING IN CUT	300 CY		
GRUBBING IN FILL	356 CY		
PAVEMENT SALVAGE REMOVAL	1,098 CY		
(2) TOTAL DEDUCTIONS			1,754 CY
TOTAL AVAILABLE NON-ROCK EXCAVATION (1) MINUS (2)			1,710 CY
COMPUTATION OF COMMON BORROW FOR ESTIMATE			
(3) TOTAL FILL			1,293 CY
TOTAL AVAILABLE NON-ROCK EXCAV.	1,710	X 0.85 =	1,454 CY
TOTAL AVAILABLE ROCK EXCAV.	0	X 1.33 =	0 CY
(4) TOTAL AVAILABLE EXCAVATION			1,454 CY
BORROW NEEDED (3) MINUS (4)			-160 CY
TOTAL SURPLUS WASTE MATERIAL			1,914 CY
COMPUTATION OF GRANULAR BORROW FOR ESTIMATE			
GRANULAR BORROW TO MAINTAIN TRAFFIC			3,822 CY
GRANULAR BORROW	3,822	X 1.15 =	4,396 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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HIGHWAY PLANS

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GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

EARTHWORK SUMMARY

SHEET NUMBER
5
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$

STATION	CULVERT PIPE											CATCH BASIN					PIPE ARCH			MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			CMP		OPTION I		OPTION III													TYPE B		TYPE C					
								SMOOTHLINED		CORRUGATED										GAGE OR WALL THICKNESS	TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	B1-C	B5-C	B1	E	F	SPAN	RISE	LENGTH		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
ROADWAY CULVERTS																												
STA. 8+26.1 LT TO STA. 8+26.1 LT								12"	4'																			12" PVC TO MATCH EXIST. PIPE
STA. 8+27.8 LT TO STA. 8+48.6 LT		18"	28'																									
STA. 8+50.35 LT TO STA. 8+55.6 LT								18"	32'	24"	32'																	
STA. 10+50.0 LT TO STA. 10+50.0 LT								15"	28'	15"	28'																	
STA. 12+00.0 LT TO STA. 12+00.0 LT								12"	16'	12"	16'																	
STA. 12+26.50 RT TO STA. 12+44.0 RT								18"	24'	24"	24'																	
STA. 20+50.5 RT TO STA. 20+54.8 RT		12"	13'																									
STA. 21+50.0 LT TO STA. 21+50.0 RT		12"	40'																									
STA. 21+50.59 RT TO STA. 10+48.32 LT		12"	37'																									
STA. 31+16.1 RT TO STA. 31+16.1 RT								24"	20'	30"	20'																	
STA. 31+16.4 RT TO STA. 31+16.1 RT		24"	14'																									
STA. 31+17.2 LT TO STA. 31+17.2 LT		24"	4'					12"	20'	12"	20'																	
STA. 31+17.2 LT TO STA. 31+17.2 LT		24"	4'																									
STA. 32+50.0 RT TO STA. 32+70.0 RT								15"	20'	18"	20'																	
STA. 41+19.0 RT TO STA. 41+48.5 RT								12"	30'	12"	30'																	
																												12" PVC TO MATCH EXIST. PIPE
STA. 41+80.2 LT TO STA. 41+96.2 LT								12"	16'																			
DRIVEWAY CULVERTS																												
STA. 41+28 RT TO STA. 41+83.7 RT						15"	56'																					
STA. 42+63 RT TO STA. 42+87 RT						15"	24'																					
STA. 0+34.3 RT TO STA. 0+32.3 RT						15"	8'																					
CATCH BASINS AND MANHOLES																												
(1) STA. 8+26.08, 12.32' RT												1.125																EXTRA DEPTH (8.4')
(2) STA. 8+50.00, 42.28 LT												1.125																EXTRA DEPTH (8.3')
(3) DELETED																												
(4) STA. 20+50.00, 19.68' RT												1																
(5) STA. 21+50.00, 23.00' LT														1														
(6) STA. 21+50.00, 20.82' RT												1																
(7) STA. 10+50.00, 16.77' LT													1															
(8) STA. 12+00.00, 21.04' LT																1												F4-C
(9) STA. 12+25.00, 16.32' RT.												1.125																EXTRA DEPTH (8.3')
(10) STA. 31+16.10, 24.01' RT												1.125																EXTRA DEPTH (9.0')
(11) STA. 31+17.16, 20.51' LT												1.125																EXTRA DEPTH (8.8")
(12) STA. 41+18.00, 16.79' RT																1												F5-C
(13) STA. 41+98.2, 19.83' LT												1																
UNDERDRAINS																												
STA. 11+82.8 RT TO STA. 12+23.0 RT																							18"	41'				
STA. 21+15.0 RT TO STA. 41+51.5, LT																					110'							

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG	ALG	3-11
DESIGN2-DETAILED2			SIGNATURE
DESIGN3-DETAILED3			7960
REVISIONS 1			P.E. NUMBER
REVISIONS 2			APRIL 7, 2011
REVISIONS 3			DATE
REVISIONS 4			
FIELD CHANGES			

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

DRAINAGE SHEET

SHEET NUMBER

6

OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:

CENTRAL MAINE POWER
MAINE NATURAL GAS
PORTLAND WATER DISTRICT
FAIRPOINT COMMUNICATIONS
TIME WARNER CABLE
MAINE DEPARTMENT OF TRANSPORTATION
OXFORD NETWORKS

2. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.

3. ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE BUTTED. PAYMENT SHALL BE MADE UNDER ITEM 202.203 PAVEMENT BUTT JOINT.

4. CONSTRUCT BUTT JOINTS AT ALL PAVED DRIVES AND ENTRANCES.

5. CLEARING LIMITS SHALL BE 5' BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.

6. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.

7. STUMPS HAVE BEEN ESTIMATED TO BE REMOVED UNDER ITEM 201.24 REMOVE STUMP. HOWEVER, WHERE DIRECTED BY THE RESIDENT, ITEM 631.20 STUMP CHIPPER RENTAL, MAY BE USED TO REMOVE STUMPS.

8. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT. ESTIMATED GRUBBING DEPTHS ARE 6 INCHES IN FIELD AREAS AND 12 INCHES IN WOODED AREAS.

9. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.

10. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN WASTE AREAS APPROVED BY THE RESIDENT.

11. REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.

12. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL AND WILL PAID FOR AS GRANULAR BORROW.

13. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1' ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW UNDERWATER BACKFILL.

14. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 2" HOT MIX ASPHALT AND 12" AGGREGATE SUBBASE COURSE GRAVEL.

15. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 3" HOT MIX ASPHALT AND 11" AGGREGATE SUBBASE COURSE GRAVEL.

16. UNPAVED ENTRANCES SHALL BE CONSTRUCTED WITH 14" AGGREGATE SUBBASE COURSE GRAVEL OR 11" AGGREGATE SUBBASE COURSE GRAVEL AND 3" UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

17. GRASSED ENTRANCES SHALL BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE GRAVEL AND 2" LOAM, SEED & MULCH UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

18. A 3' PAVED LIP SHALL BE PLACED AT ALL GRAVEL ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

19. PLACE 12 INCHES GRAVEL AND 2 INCHES HOT MIX ASPHALT AROUND CATCH BASINS IN GRASSED AREAS (3' OUTSIDE OF FRAME) AND PAINT WITH ACRYLIC LATEX COLOR FINISH - GREEN. PAYMENT SHALL BE UNDER THE APPLICABLE CONTRACT ITEMS.

20. WHEN SUPER ELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE SHOULDER PAVEMENT WILL HAVE SAME SLOPE AS TRAVELED WAY.

21. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):
- o ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS
- o ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT
- o ALL DITCHING AT PIPE ENDS
- o FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND/OR FILL MATERIAL INCLUDING GRANULAR BORROW USED UNDER PIPES AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL).
- o GRANULAR BORROW UNDER THE PIPE SHALL MEET THE REQUIREMENTS FOR UNDERWATER BACKFILL
- o ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES
- o FLOW LINES MAY BE CHANGED BY 1.5 FT
- o ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES AT CULVERT ENDS

22. EXISTING CULVERTS AND BASINS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER ITEM 631.32 CULVERT CLEANER (INCLUDING OPERATOR).

23. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

24. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

25. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES. FOR COMPARABLE CORRUGATED SIZES SEE THE DRAINAGE TABULATION.

26. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 604.

27. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 603 OR 605.

28. GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.

29. TWO REFLECTORIZED FLEXIBLE G.R. MARKERS (ITEM 606.353) WILL BE INSTALLED AT EACH GUARDRAIL END. A DELINEATOR POST (ITEM 606.356) WILL BE INSTALLED AT EACH UNDERDRAIN OUTLET.

30. BACKING UP BITUMINOUS CURB IS INCIDENTAL TO THE CURB ITEMS. IN AREAS WHERE NEW BITUMINOUS CURB IS DESIGNATED TO REPLACE EXISTING, THE REMOVAL OF THE OLD BITUMINOUS CURB SHALL BE INCIDENTAL TO THE NEW CURB.

31. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.

32. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL OTHER NON-GUARDRAIL SLOPES. SEEDING METHOD NO. 3 SHALL BE UTILIZED ON ALL GUARDRAIL FILL SLOPES. ON LONG NON-GUARDRAIL BACKSLOPES, SEEDING METHOD NO. 3 MAY BE USED INSTEAD OF METHOD NO. 2 IF NOTED OR DIRECTED BY THE RESIDENT.

33. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN ALL AREAS UNLESS OTHERWISE NOTED OR DIRECTED.

34. ACRYLIC LATEX COLOR FINISH GREEN (ITEM 658.20) SHALL BE PLACED ON ALL PAVED ISLANDS.

35. WHITE PAVEMENT/CURB MARKING (ITEM 627.75) SHALL BE APPLIED TO BITUMINOUS CURB ENDS AT DRIVEWAY OPENINGS AS DIRECTED BY THE RESIDENT.

36. ANY BASE PAVEMENT NOT SURFACED BEFORE WINTER WILL REQUIRE TEMPORARY PAVEMENT MARKINGS OF PAINT, BOTH YELLOW CENTERLINE AND WHITE EDGE LINES AND WILL BE CONSIDERED PART OF ITEM 627.76

37. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK; IT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

38. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.

39. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION AREAS.

40. 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.

41. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

42. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.

43. A MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) ENVIRONMENTAL OFFICE INVESTIGATION SPECIFIC WITH THIS PROJECT ENCOUNTERED DATA SUGGESTING PETROLEUM RELATED CONTAMINATION WAS PRESENT AT ROUGHLY MAINEDOT STATION 8+00 TO ROUGHLY STATION 9+25 RIGHT OF CENTER AND ROUGHLY MAINEDOT STATION 40+00 TO ROUGHLY STATION 42+00 RIGHT OF CENTER (WYMAN AUTO BODY SITE). SUBSEQUENT ON-SITE WORK FAILED TO UNEARTH ANY ISSUES WITHIN THESE AREAS. HOWEVER, IN LIGHT OF THE AVAILABLE ENVIRONMENTAL DATA, THE CONTRACTOR SHALL EMPLOY APPROPRIATE HEALTH AND SAFETY MEASURES TO PROTECT ITS WORKERS AGAINST HAZARDS ASSOCIATED WITH WORKING NEAR PETROLEUM-IMPACTED SOILS. FURTHERMORE, THE CONTRACTOR SHALL REMAIN ALERT FOR ANY ADDITIONALLY EVIDENCE OF CONTAMINATION. IF THE CONTRACTOR ENCOUNTERS EVIDENCE OF SOIL OR GROUNDWATER CONTAMINATION, THE CONTRACTOR SHALL SECURE THE EXCAVATION, STOP WORK IN THE CONTAMINATED AREA, AND IMMEDIATELY NOTIFY THE RESIDENT. THE RESIDENT SHALL CONTACT THE HYDROGEOLOGIST IN MDOT'S ENVIRONMENTAL OFFICE AT 207-624-3100 AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AT 800-482-0777. WORK MAY ONLY CONTINUE WITH AUTHORIZATION FROM THE RESIDENT.

THE TOWN OF GORHAM AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION (MDEP) HAVE ENACTED A SPECIAL GROUNDWATER PROTECTION ZONE IN THIS AREA. THIS SPECIAL PROTECTION ZONE LISTS PROHIBITED ACTIVITIES. THE LIST INCLUDES THAT NO BLASTING OF BEDROCK CAN OCCUR IN THIS AREA. A COPY OF THIS DOCUMENT IS AVAILABLE FROM THE TOWN OF GORHAM.

44. REMOVAL OF THE EXISTING POLE AT STA. 9+48.3, 35.5' LT AND BEACON SHALL BE INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL COORDINATE REMOVAL WITH CENTRAL MAINE POWER. REMOVED POLE AND BEACON SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG	EVEWEO	ALG
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

CONSTRUCTION NOTES

SHEET NUMBER
7
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Brackett Rd	+	0.6 fc	1.1 fc	0.2 fc	5.5:1	3.0:1
New Portland Rd W/o Circle	+	0.8 fc	1.5 fc	0.3 fc	5.0:1	2.7:1
Circle	+	1.0 fc	1.6 fc	0.3 fc	5.3:1	3.3:1
Libby Ave	+	0.6 fc	1.2 fc	0.2 fc	6.0:1	3.0:1
New Portland Rd E/o Circle	+	0.7 fc	1.5 fc	0.3 fc	5.0:1	2.3:1

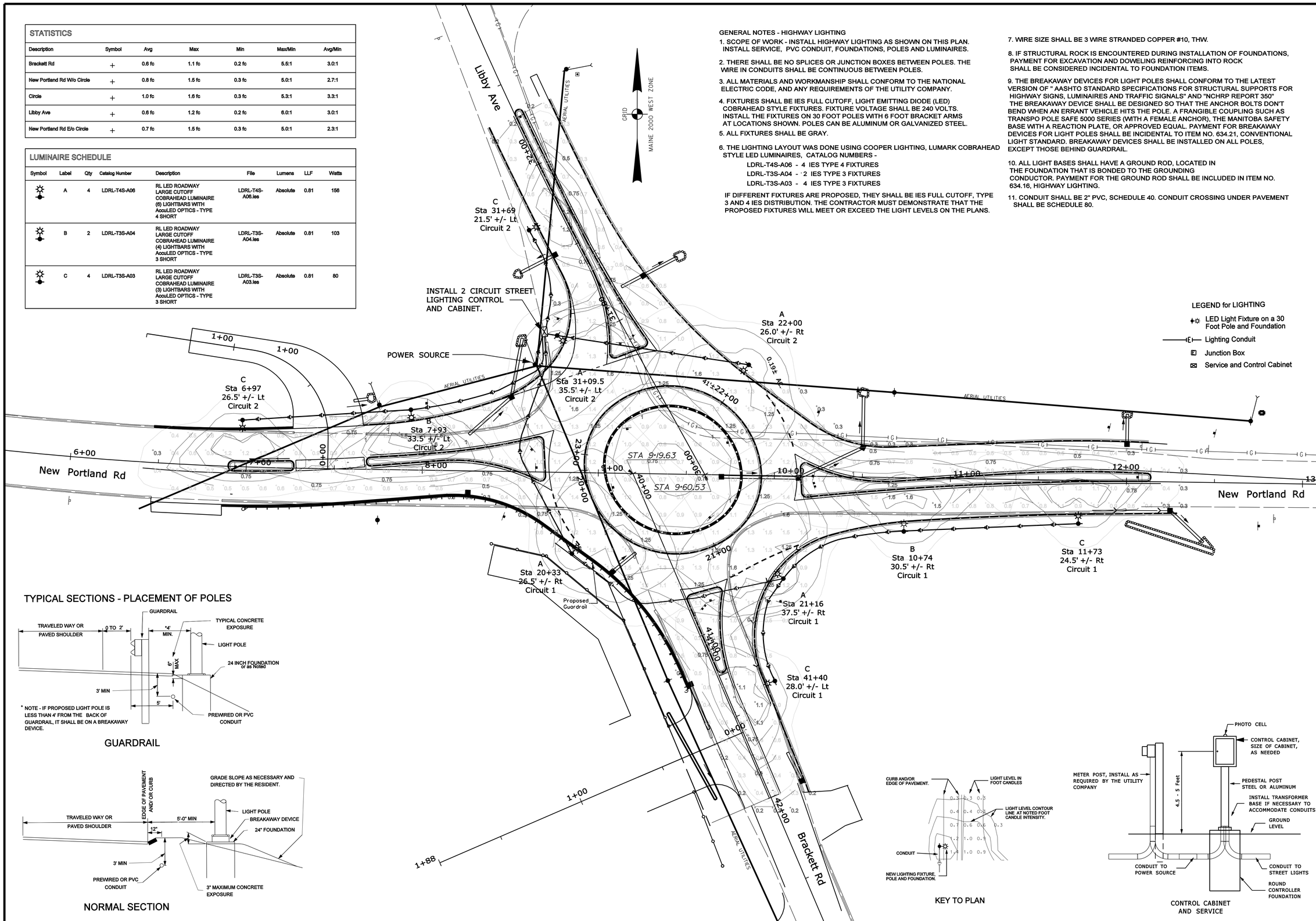
LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	File	Lumens	LLF	Watts
	A	4	LDRL-T4S-A06	RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE (6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT	LDRL-T4S-A06.ies	Absolute	0.81	156
	B	2	LDRL-T3S-A04	RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE (4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 SHORT	LDRL-T3S-A04.ies	Absolute	0.81	103
	C	4	LDRL-T3S-A03	RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE (3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 SHORT	LDRL-T3S-A03.ies	Absolute	0.81	80

GENERAL NOTES - HIGHWAY LIGHTING

1. SCOPE OF WORK - INSTALL HIGHWAY LIGHTING AS SHOWN ON THIS PLAN. INSTALL SERVICE, PVC CONDUIT, FOUNDATIONS, POLES AND LUMINAIRES.
2. THERE SHALL BE NO SPLICES OR JUNCTION BOXES BETWEEN POLES. THE WIRE IN CONDUITS SHALL BE CONTINUOUS BETWEEN POLES.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, AND ANY REQUIREMENTS OF THE UTILITY COMPANY.
4. FIXTURES SHALL BE IES FULL CUTOFF, LIGHT EMITTING DIODE (LED) COBRAHEAD STYLE FIXTURES. FIXTURE VOLTAGE SHALL BE 240 VOLTS. INSTALL THE FIXTURES ON 30 FOOT POLES WITH 6 FOOT BRACKET ARMS AT LOCATIONS SHOWN. POLES CAN BE ALUMINUM OR GALVANIZED STEEL.
5. ALL FIXTURES SHALL BE GRAY.
6. THE LIGHTING LAYOUT WAS DONE USING COOPER LIGHTING, LUMARK COBRAHEAD STYLE LED LUMINAIRES, CATALOG NUMBERS -
   - LDRL-T4S-A06 - 4 IES TYPE 4 FIXTURES
   - LDRL-T3S-A04 - 2 IES TYPE 3 FIXTURES
   - LDRL-T3S-A03 - 4 IES TYPE 3 FIXTURES

   IF DIFFERENT FIXTURES ARE PROPOSED, THEY SHALL BE IES FULL CUTOFF, TYPE 3 AND 4 IES DISTRIBUTION. THE CONTRACTOR MUST DEMONSTRATE THAT THE PROPOSED FIXTURES WILL MEET OR EXCEED THE LIGHT LEVELS ON THE PLANS.
7. WIRE SIZE SHALL BE 3 WIRE STRANDED COPPER #10, THW.
8. IF STRUCTURAL ROCK IS ENCOUNTERED DURING INSTALLATION OF FOUNDATIONS, PAYMENT FOR EXCAVATION AND DOWELING REINFORCING INTO ROCK SHALL BE CONSIDERED INCIDENTAL TO FOUNDATION ITEMS.
9. THE BREAKAWAY DEVICES FOR LIGHT POLES SHALL CONFORM TO THE LATEST VERSION OF " AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AND "NCHRP REPORT 350" THE BREAKAWAY DEVICE SHALL BE DESIGNED SO THAT THE ANCHOR BOLTS DON'T BEND WHEN AN ERRANT VEHICLE HITS THE POLE. A FRANGIBLE COUPLING SUCH AS TRANSPO POLE SAFE 5000 SERIES (WITH A FEMALE ANCHOR), THE MANITOBA SAFETY BASE WITH A REACTION PLATE, OR APPROVED EQUAL. PAYMENT FOR BREAKAWAY DEVICES FOR LIGHT POLES SHALL BE INCIDENTAL TO ITEM NO. 634.21, CONVENTIONAL LIGHT STANDARD. BREAKAWAY DEVICES SHALL BE INSTALLED ON ALL POLES, EXCEPT THOSE BEHIND GUARDRAIL.
10. ALL LIGHT BASES SHALL HAVE A GROUND ROD, LOCATED IN THE FOUNDATION THAT IS BONDED TO THE GROUNDING CONDUCTOR. PAYMENT FOR THE GROUND ROD SHALL BE INCLUDED IN ITEM NO. 634.16, HIGHWAY LIGHTING.
11. CONDUIT SHALL BE 2" PVC, SCHEDULE 40. CONDUIT CROSSING UNDER PAVEMENT SHALL BE SCHEDULE 80.



LEGEND for LIGHTING

- LED Light Fixture on a 30 Foot Pole and Foundation
- Lighting Conduit
- Junction Box
- Service and Control Cabinet

TYPICAL SECTIONS - PLACEMENT OF POLES

GUARDRAIL

NORMAL SECTION

KEY TO PLAN

CONTROL CABINET AND SERVICE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER STEVE LANDRY		
DESIGN-DETAILED	RAL	3-11
CHECKED-REVIEWED	ALG	3-11
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
4226
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

HIGHWAY LIGHTING PLAN

SHEET NUMBER
8
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$

ROUNDABOUT
CURVE DATA

PI = 20+96.95
D = 109° - 08' - 05.3"
Δ = 123° - 07' - 35.7" Lt.
R = 52.50'
L = 112.82'
T = 96.95'
E = 57.75'

ROUNDABOUT
CURVE DATA

PI = 21+35.56
D = 136° - 25' - 06.7"
Δ = 56° - 52' - 25.6" Lt.
R = 42.00'
L = 41.69'
T = 22.74'
E = 5.76'

CURVE DATA

PI = 5+74.67
D = 2° - 59' - 59.2"
Δ = 9° - 31' - 31.0" Lt.
R = 1910.00'
L = 317.53'
T = 159.13'
E = 6.62'

SHORT DRIVE
CURVE DATA

PI = 0+60.66
D = 114° - 35' - 29.6"
Δ = 82° - 09' - 03.9" Lt.
R = 50.00'
L = 71.65'
T = 43.54'
E = 12.29'

LIBBY AVENUE
CURVE DATA

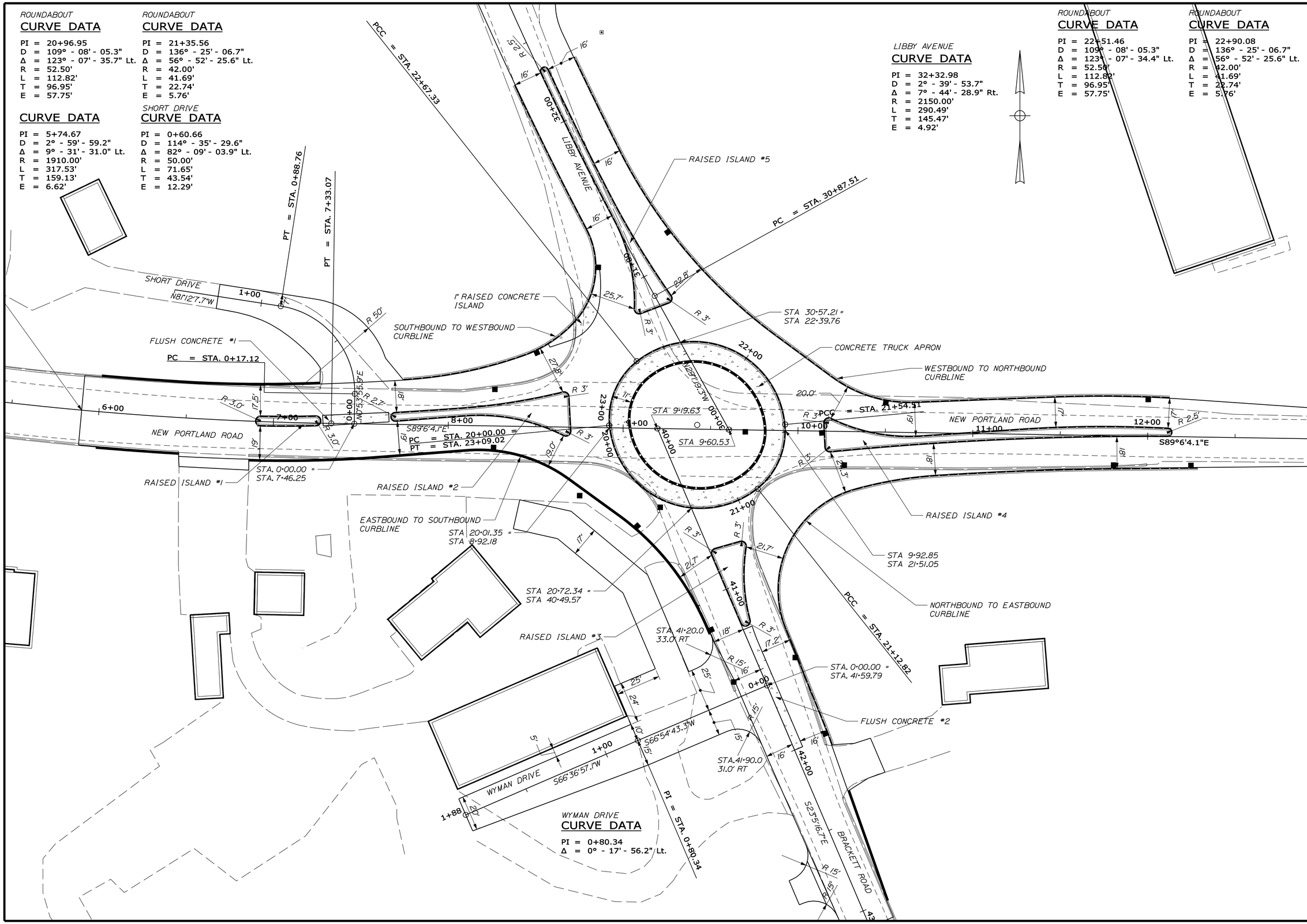
PI = 32+32.98
D = 2° - 39' - 53.7"
Δ = 7° - 44' - 28.9" Rt.
R = 2150.00'
L = 290.49'
T = 145.47'
E = 4.92'

ROUNDABOUT
CURVE DATA

PI = 22+51.46
D = 109° - 08' - 05.3"
Δ = 123° - 07' - 34.4" Lt.
R = 52.50'
L = 112.82'
T = 96.95'
E = 57.75'

ROUNDABOUT
CURVE DATA

PI = 22+90.08
D = 136° - 25' - 06.7"
Δ = 56° - 52' - 25.6" Lt.
R = 42.00'
L = 41.69'
T = 22.74'
E = 5.76'



WYMAN DRIVE
CURVE DATA

PI = 0+80.34
Δ = 0° - 17' - 56.2" Lt.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

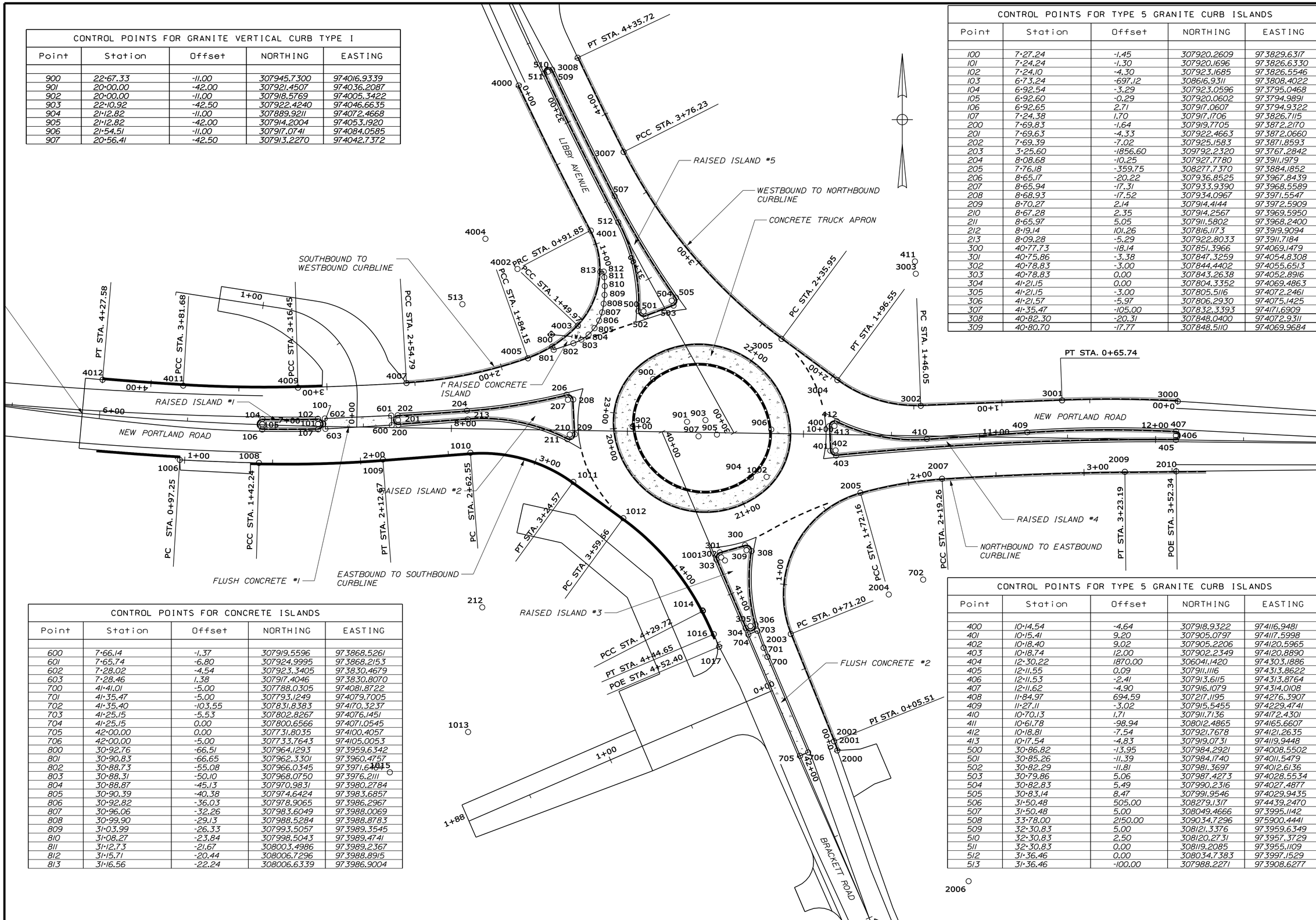
GEOMETRY PLANS

SHEET NUMBER
9
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$

CONTROL POINTS FOR GRANITE VERTICAL CURB TYPE I				
Point	Station	Offset	NORTHING	EASTING
900	22+67.33	-11.00	307945.7300	974016.9339
901	20+00.00	-42.00	307921.4507	974036.2087
902	20+00.00	-11.00	307918.5769	974005.3422
903	22+10.92	-42.50	307922.4240	974046.6635
904	21+12.82	-11.00	307889.9211	974072.4668
905	21+12.82	-42.00	307914.2004	974053.1920
906	21+54.51	-11.00	307917.0741	974084.0585
907	20+56.41	-42.50	307913.2270	974042.7372

CONTROL POINTS FOR TYPE 5 GRANITE CURB ISLANDS				
Point	Station	Offset	NORTHING	EASTING
100	7+27.24	-1.45	307920.2609	973829.6317
101	7+24.24	-1.30	307920.1696	973826.6330
102	7+24.10	-4.30	307923.1685	973826.5546
103	6+73.24	-697.12	308616.9311	973808.4022
104	6+92.54	-3.29	307923.0596	973795.0468
105	6+92.60	-0.29	307920.0602	973794.9891
106	6+92.65	2.71	307917.0607	973794.9322
107	7+24.38	1.70	307917.1706	973826.7115
200	7+69.83	-1.64	307919.7705	973872.2170
201	7+69.63	-4.33	307922.4663	973872.0660
202	7+69.39	-7.02	307925.1583	973871.8593
203	3+25.60	-1856.60	309792.2320	973767.2842
204	8+08.68	-10.25	307927.7780	973911.1979
205	7+76.18	-359.75	308277.7370	973884.1852
206	8+65.17	-20.22	307936.8525	973967.8439
207	8+65.94	-17.31	307933.9390	973968.5589
208	8+68.93	-17.52	307934.0967	973971.5547
209	8+70.27	2.14	307914.4144	973972.5909
210	8+67.28	2.35	307914.2567	973969.5950
211	8+65.97	5.05	307911.5802	973968.2400
212	8+19.14	101.26	307816.1173	973919.9094
213	8+09.28	-5.29	307922.8033	973911.7184
300	40+77.73	-18.14	307851.3966	974069.1479
301	40+75.86	-3.38	307847.3259	974054.8308
302	40+78.83	-3.00	307844.4402	974055.6513
303	40+78.83	0.00	307843.2638	974052.8916
304	41+21.15	0.00	307804.3352	974069.4863
305	41+21.15	-3.00	307805.5116	974072.2461
306	41+21.57	-5.97	307806.2930	974075.1425
307	41+35.47	-105.00	307832.3393	974171.6909
308	40+82.30	-20.31	307848.0400	974072.9311
309	40+80.70	-17.77	307848.5110	974069.9684



CONTROL POINTS FOR CONCRETE ISLANDS				
Point	Station	Offset	NORTHING	EASTING
600	7+66.14	-1.37	307919.5596	973868.5261
601	7+65.74	-6.80	307924.9995	973868.2153
602	7+28.02	-4.54	307923.3405	973830.4679
603	7+28.46	1.38	307917.4046	973830.8070
700	41+41.01	-5.00	307788.0305	974081.8722
701	41+35.47	-5.00	307793.1249	974079.7005
702	41+35.40	-103.55	307831.8383	974170.3237
703	41+25.15	-5.53	307802.8267	974076.1451
704	41+25.15	0.00	307800.6566	974071.0545
705	42+00.00	0.00	307731.8035	974100.4057
706	42+00.00	-5.00	307733.7643	974105.0053
800	30+92.76	-66.51	307964.1293	973959.6342
801	30+90.83	-66.65	307962.3301	973960.4757
802	30+88.73	-55.08	307966.0345	973971.6401
803	30+88.31	-50.10	307968.0750	973976.2111
804	30+88.87	-45.13	307970.9831	973980.2784
805	30+90.39	-40.38	307974.6424	973983.6857
806	30+92.82	-36.03	307978.9065	973986.2967
807	30+96.06	-32.26	307983.6049	973988.0069
808	30+99.90	-29.13	307988.5284	973988.8783
809	31+03.99	-26.33	307993.5057	973989.3545
810	31+08.27	-23.84	307998.5043	973989.4741
811	31+12.73	-21.67	308003.4986	973989.2367
812	31+15.71	-20.44	308006.7296	973988.8915
813	31+16.56	-22.24	308006.6339	973986.9004

CONTROL POINTS FOR TYPE 5 GRANITE CURB ISLANDS				
Point	Station	Offset	NORTHING	EASTING
400	10+14.54	-4.64	307918.9322	974116.9481
401	10+15.41	9.20	307905.0797	974117.5998
402	10+18.40	9.02	307905.2206	974120.5965
403	10+18.74	12.00	307902.2349	974120.8890
404	12+30.22	1870.00	306041.1420	974303.1886
405	12+11.55	0.09	307911.1116	974313.8622
406	12+11.53	-2.41	307913.6115	974313.8764
407	12+11.62	-4.90	307916.1079	974314.0108
408	11+84.97	694.59	307217.1195	974276.3907
409	11+27.11	-3.02	307915.5455	974229.4741
410	10+70.13	1.71	307911.7136	974172.4301
411	10+61.78	-98.94	308012.4865	974165.6607
412	10+18.81	-7.54	307921.7678	974121.2635
413	10+17.54	-4.83	307919.0731	974119.9448
500	30+86.82	-13.95	307984.2921	974008.5502
501	30+85.26	-11.39	307984.1740	974011.5479
502	30+82.29	-11.81	307981.3697	974012.6136
503	30+79.86	5.06	307987.4273	974028.5534
504	30+82.83	5.49	307990.2316	974027.4877
505	30+83.14	8.47	307991.9546	974029.9435
506	31+50.48	505.00	308279.1317	974439.2470
507	31+50.48	5.00	308049.4666	973995.1142
508	33+78.00	2150.00	309034.7296	975900.4441
509	32+30.83	5.00	308121.3376	973959.6349
510	32+30.83	2.50	308120.2731	973957.3729
511	32+30.83	0.00	308119.2085	973955.1109
512	31+36.46	0.00	308034.7383	973997.1529
513	31+36.46	-100.00	307988.2271	973908.6277

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	STEVE LANDRY	
DESIGN-DETAILED	JLE	3-11
CHECKED-REVIEWED	ALG	3-11
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

7960
P.E. NUMBER

APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

GEOMETRY PLANS

SHEET NUMBER

10

OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$

Horizontal Alignment Name: RAISED ISLAND 1 - CURB TYPE 5

	STATION	NORTHING	EASTING
PC (100)	0+00.00	307920.26093	973829.63165
PI ( )	0+02.99	307923.24666	973829.54067
CC (101)		307920.16955	973826.63304
PRC (102)	0+04.70	307923.16853	973826.55457
Radius: 3.00			
Delta: 89°45'12.2" Left			
Length: 4.70			
PI ( )	0+20.46	307922.75636	973810.80191
CC (103)		308616.93109	973808.40215
PRC (104)	0+36.21	307923.05961	973795.04678
Radius: 694.00			
Delta: 2°36'05.3" Right			
Length: 31.51			
CC (105)		307920.06016	973794.98905
PCC (106)	0+45.64	307917.06070	973794.93221
Radius: 3.00			
Delta: 180°01'01.4" Left			
Length: 9.43			
PI ( )	0+61.53	307916.75486	973810.82311
CC (103)		308616.93109	973808.40215
PCC (107)	0+77.42	307917.17058	973826.71151
Radius: 700.00			
Delta: 2°36'05.1" Left			
Length: 31.78			
PI ( )	0+80.43	307917.24939	973829.72342
CC (101)		307920.16955	973826.63304
PT (100)	0+82.14	307920.26093	973829.63165
Radius: 3.00			
Delta: 90°14'47.8" Left			
Length: 4.73			

Horizontal Alignment Name: RAISED ISLAND 2 CURB TYPE 5

	STATION	NORTHING	EASTING
PC (200)	0+00.00	307919.77048	973872.21694
PI ( )	2+61.17	307905.16522	973611.45574
CC (201)		307922.46626	973872.06595
PRC (202)	0+08.43	307925.15834	973871.85926
Radius: 2.70			
Delta: 178°48'55.4" Right			
Length: 8.43			
PI ( )	0+28.14	307926.26079	973891.54241
CC (203)		309792.23200	973767.28423
PCC (204)	0+47.85	307927.77797	973911.19794
Radius: 1870.00			
Delta: 1°12'28.8" Left			
Length: 39.43			
PI ( )	0+76.63	307929.99288	973939.89293
CC (205)		308277.73698	973884.18523
PRC (206)	1+05.29	307936.85249	973967.84386
Radius: 351.00			
Delta: 9°22'30.0" Left			
Length: 57.43			
PI ( )	1+08.91	307937.71644	973971.36418
CC (207)		307933.93895	973968.55889
PT (208)	1+10.56	307934.09666	973971.55474
Radius: 3.00			
Delta: 100°46'31.2" Right			
Length: 5.28			
PC (209)	1+30.27	307914.41440	973972.59088
Tangent Length: 19.7095			
PI ( )	1+35.45	307909.23943	973972.86339
CC (210)		307914.25669	973969.59503
PRC (211)	1+36.55	307911.58016	973968.23997
Radius: 3.00			
Delta: 119°51'58.7" Right			
Length: 6.28			
PI ( )	1+66.47	307925.09356	973941.54818
CC (212)		307816.11729	973919.90944
PT (213)	1+94.89	307922.80330	973911.71835
Radius: 107.00			
Delta: 31°14'32.6" Left			
Length: 58.35			
POE (200)	2+34.51	307919.77049	973872.21696
Tangent Length: 39.62			

Horizontal Alignment Name: RAISED ISLAND 3 CURB TYPE 5

	STATION	NORTHING	EASTING
POB (300)	0+00.00	307851.39662	974069.14788
PC (301)	0+14.88	307847.32585	974054.83079
Tangent Direction: S 74°07'40.7" W			
Tangent Length: 14.88			
PI ( )	0+18.29	307846.39497	974051.55677
CC (302)		307844.44023	974055.65126
PT (303)	0+19.97	307843.26380	974052.89155
Radius: 3.00			
Delta: 97°12'58.5" Left			
Length: 5.09			
PC (304)	0+62.29	307804.33521	974069.48634
Tangent Direction: S 23°05'16.7" E			
Tangent Length: 42.32			
PI ( )	1+05.25	307764.82215	974086.33028
CC (305)		307805.51164	974072.24605
PRC (306)	0+71.30	307806.29303	974075.14250
Radius: 3.00			
Delta: 172°00'34.4" Left			
Length: 9.01			
PI ( )	0+92.67	307826.93016	974069.57513
CC (307)		307832.33931	974171.69089
PRC (308)	1+13.42	307848.03998	974072.93114
Radius: 100.00			
Delta: 24°07'50.6" Right			
Length: 42.12			
PI ( )	1+18.12	307852.68215	974073.66914
CC (309)		307848.51100	974069.96835
PT (300)	1+19.43	307851.39662	974069.14788
Radius: 3.00			
Delta: 114°54'18.8" Left			
Length: 6.02			

Horizontal Alignment Name: RAISED ISLAND 4 CURB TYPE 5

	STATION	NORTHING	EASTING
POB (400)	0+00.00	307918.93215	974116.94808
PC (401)	0+13.87	307905.07965	974117.59981
Tangent Direction: S 2°41'37.2" E			
Tangent Length: 13.87			
PI ( )	0+17.02	307901.92727	974117.74812
CC (402)		307905.22063	974120.59650
PRC (403)	0+18.73	307902.23492	974120.88895
Radius: 3.00			
Delta: 92°54'02.8" Left			
Length: 4.86			
PI ( )	1+15.45	307911.66359	974217.14601
CC (404)		306041.14201	974303.18864
PRC (405)	2+12.00	307911.11155	974313.86216
Radius: 1870.00			
Delta: 5°55'17.3" Right			
Length: 193.26			
PI ( )	3+16.01	307910.51786	974417.87463
CC (406)		307913.61151	974313.87643
PCC (407)	2+19.73	307916.10790	974314.01079
Radius: 2.50			
Delta: 177°14'46.7" Left			
Length: 7.73			
PI ( )	2+62.08	307918.38373	974271.72545
CC (408)		307217.11954	974276.39068
PT (409)	3+04.32	307915.54551	974229.47414
Radius: 700.00			
Delta: 6°55'25.6" Left			
Length: 84.59			
PC (410)	3+61.49	307911.71359	974172.43009
Tangent Direction: S 86°09'25.0" W			
PI ( )	3+88.48	307909.90481	974145.50355
CC (411)		308012.48648	974165.66070
PRC (412)	4+14.23	307921.76775	974121.26349
Radius: 101.00			
Delta: 29°55'11.7" Right			
Length: 52.74			
PI ( )	4+19.30	307923.99629	974116.70982
CC (413)		307919.07314	974119.94476
PT (400)	4+20.45	307918.93215	974116.94808
Radius: 3.000			
Delta: 118°46'13.9" Left			
Length: 6.22			

Horizontal Alignment Name: RAISED ISLAND 5 CURB TYPE 5

	STATION	NORTHING	EASTING
PC (500)	0+00.00	307984.29207	974008.55024
PI ( )	0+04.54	307979.75763	974008.37167
CC (501)		307984.17402	974011.54792
PT (502)	0+05.92	307981.36969	974012.61364
Radius: 3.00			
Delta: 113°03'48.0" Left			
Length: 5.92			
PC (503)	0+22.97	307987.42725	974028.55343
Tangent Direction: N 69°11'30.6" E			
PI ( )	0+26.83	307988.79735	974032.15876
CC (504)		307990.23158	974027.48771
PRC (505)	0+28.43	307991.95464	974029.94353
Radius: 3.00			
Delta: 104°14'47.9" Left			
Length: 5.46			
PI ( )	0+62.12	308019.53707	974010.59104
CC (506)		308279.13165	974439.24704
PCC (507)	0+95.72	308049.46661	973995.11421
Radius: 500.00			
Delta: 7°42'37.9" Right			
Length: 67.29			
PI ( )	1+35.80	308085.07063	973976.70306
CC (508)		309034.72960	975900.44406
PCC (509)	1+75.87	308121.33764	973959.63492
Radius: 2145.00			
Delta: 2°08'27.9" Right			
Length: 80.16			
CC (510)		308120.27308	973957.37291
PRC (511)	1+83.73	308119.20852	973955.11089
Radius: 2.50			
Delta: 180°00'00.0" Right			
Length: 7.85			
PI ( )	2+30.92	308076.51204	973975.20490
CC (508)		309034.72960	975900.44406
PRC (512)	2+78.09	308034.73830	973997.15286
Radius: 2150.00			
Delta: 2°30'52.8" Left			
Length: 94.36			
PI ( )	3+04.86	308011.04068	974009.60362
CC (513)		307988.22707	973908.62769
PT (500)	3+30.40	307984.29207	974008.55024
Radius: 100.00			
Delta: 29°58'21.6" Right			
Length: 52.31			

Horizontal Alignment Name: APRON VERTICAL CURB TYPE 1

	STATION	NORTHING	EASTING
PC (900)	0+00.00	307945.72995	974016.93394
PI ( )	0+16.79	307935.29209	974003.78596
CC (901)		307921.45065	974036.20868
PCC (902)	0+30.77	307918.57693	974005.34217
Radius: 31.00			
Delta: 56°52'25.6" Left			
Length: 30.77			
PI ( )	1+07.41	307842.27225	974012.44625
CC (903)		307922.42400	974046.66347
PCC (904)	1+19.95	307889.92108	974072.46676
Radius: 41.50			
Delta: 123°07'34.4" Left			
Length: 89.1818			
Tangent: 76.63			
PI ( )	1+36.74	307900.35894	974085.61473
CC (905)		307914.20037	974053.19201
PCC (906)	1+50.73	307917.07409	974084.05853
Radius: 31.00			
Delta: 56°52'25.6" Left			
Length: 30.77			
PI ( )	2+27.36	307993.37877	974076.95445
CC (907)		307913.22702	974042.73723
PT (900)	2+39.91	307945.72995	974016.93394
Radius: 41.50			
Delta: 123°07'34.4" Left			
Length: 89.18			

Horizontal Alignment Name: FLUSH CONCRETE ISLAND 1

	STATION	NORTHING	EASTING
POB (600)	0+00.00	307919.55961	973868.52610
PI (601)	0+05.45	307924.99953	973868.21530
Tangent Direction: N 3°16'11.9" W			
Tangent Length: 5.45			
PI (602)	0+43.23	307923.34052	973830.46787
Tangent Direction: S 87°29'00.4" W			
Tangent Length: 37.78			
PI (603)	0+49.18	307917.40457	973830.80701
Tangent Direction: S 3°16'11.9" E			
Tangent Length: 5.95			
POE (600)	0+86.96	307919.55961	973868.52610
Tangent Direction: N 86°43'48.1" E			
Tangent Length: 37.78			

Horizontal Alignment Name: FLUSH CONCRETE ISLAND 2

	STATION	NORTHING	EASTING
POB (700)	0+00.00	307788.03053	974081.87218
PC (701)	0+05.54	307793.12491	974079.70051
Tangent Direction: N 23°05'16.7" W			
PI ( )	0+10.71	307797.88246	974077.66813
CC (702)		307831.83828	974170.32373
PT (703)	0+15.88	307802.82666	974076.14507
Radius: 98.55			
Delta: 6°00'37.2" Right			
Length: 10.34			
PI (704)	0+21.41	307800.65660	974071.05449
Tangent Direction: S 66°54'43.3" W			
Tangent Length: 5.53			
PI (705)	0+96.26	307731.80349	974100.40574
Tangent Direction: S 23°05'16.7" E			
Tangent Length: 74.852			
PI (706)	1+01.26	307733.76425	974105.00533
Tangent Direction: N 66°54'43.0" E			
Tangent Length: 5.00			
POE (700)	1+60.25	307788.03053	974081.87218
Tangent Direction: N 23°05'17.0" W			
Tangent Length: 58.99			

Horizontal Alignment Name: RAISED CONCRETE ISLAND

	STATION	NORTHING	EASTING
POB (800)	0+00.00	307964.12934	973959.63424
PI (801)	0+02.00	307962.33014	973960.47574
Tangent Direction: S 25°03'56.9" E			
Tangent Length: 2.00			
PI (802)	0+13.76	307966.03453	973971.64640
Tangent Direction: N 71°39'12.9" E			
Tangent Length: 11.77			
PI (803)	0+18.76	307968.07503	973976.21108
Tangent Direction: N 65°54'51.9" E			
Tangent Length: 5.00			
PI (804)	0+23.76	307970.98308	973980.27842
Tangent Direction: N 54°26'09.9" E			
Tangent Length: 5.00			
PI (805)	0+28.76	307974.64237	973983.68571
Tangent Direction: N 42°57'27.8" E			
Tangent Length: 5.00			
PI (806)	0+33.76	307978.90651	973986.29667
Tangent Direction: N 31°28'45.8" E			
Tangent Length: 5.00			
PI (807)	0+38.76	307983.60494	973988.00686
Tangent Direction: N 20°00'03.8" E			
Tangent Length: 5.00			
PI (808)	0+43.76	307988.52841	973988.87829
Tangent Direction: N 10°02'13.6" E			
Tangent Length: 5.00			
PI (809)	0+48.76	307993.50569	973989.35446
Tangent Direction: N 5°27'53.5" E			
Tangent Length: 5.00			
PI (810)	0+53.76	307998.50426	973989.47413
Tangent Direction: N 1°22'17.2" E			
Tangent Length: 5.00			
PI (811)	0+58.76	308003.49861	973989.23668
Tangent Direction: N 2°43'19.2" W			
Tangent Length: 5.00			
PI (812)	0+62.00	308006.72964	973988.89146
Tangent Direction: N 6°05'55.2" W			
Tangent Length: 3.25			
POE (813)	0+64.00	308006.63390	973986.90042
Tangent Direction: S 87°14'48.8" W			
Tangent Length: 2.00			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

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HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
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GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

GEOMETRY PLANS

SHEET NUMBER
11
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$

Horizontal Alignment Name: EASTBOUND-SOUTHBOUND EDGELINE

	STATION	NORTHING	EASTING
PC (1006)	0+97.25	307899.81222	973748.10875
PI ( )	1+19.75	307898.68730	973770.57772
CC (1007)		309797.69005	973843.12668
PCC (1008)	1+42.24	307898.09464	973793.06702
Radius: 1900.25			
Delta: 1°21'23.7" Left			
Length: 44.99			
PI ( )	1+77.49	307897.34295	973828.30279
CC (1013)		308616.93109	973808.40215
PT (1009)	2+12.67	307900.04094	973863.44316
Radius: 719.00			
Delta: 5°36'45.1" Left			
Length: 70.43			
PC (1010)	2+62.55	307903.85906	973913.17285
Tangent Direction: N 85°36'34.5" E			
Tangent Length: 49.8760			
PI ( )	2+94.91	307906.33623	973945.43714
CC (1212)		307816.11729	973919.90944
PT (1011)	3+24.57	307887.32123	973971.62016
Radius: 88.00			
Delta: 40°22'43.8" Right			
Length: 62.02			
PC (1012)	3+59.66	307866.70316	974000.01055
Tangent Direction: S 54°00'41.7" E			
Tangent Length: 35.0873			
PI ( )	3+95.34	307845.73520	974028.88273
CC (1013)		307745.33280	973911.86728
PCC (1014)	4+29.72	307814.01247	974045.22058
Radius: 150.00			
Delta: 26°45'43.9" Right			
Length: 70.06			
PI ( )	4+37.19	307807.74049	974048.46745
CC (1015)		307722.43958	973867.41618
PT (1016)	4+44.65	307800.86838	974051.39695
Radius: 200.00			
Delta: 4°16'41.8" Right			
Length: 14.93			
POE (1017)	4+52.40	307793.73769	974054.43667
Tangent Direction: S 23°05'16.7" E			
Tangent Length: 7.75			

Horizontal Alignment Name: NORTHBOUND EASTBOUND EDGELINE

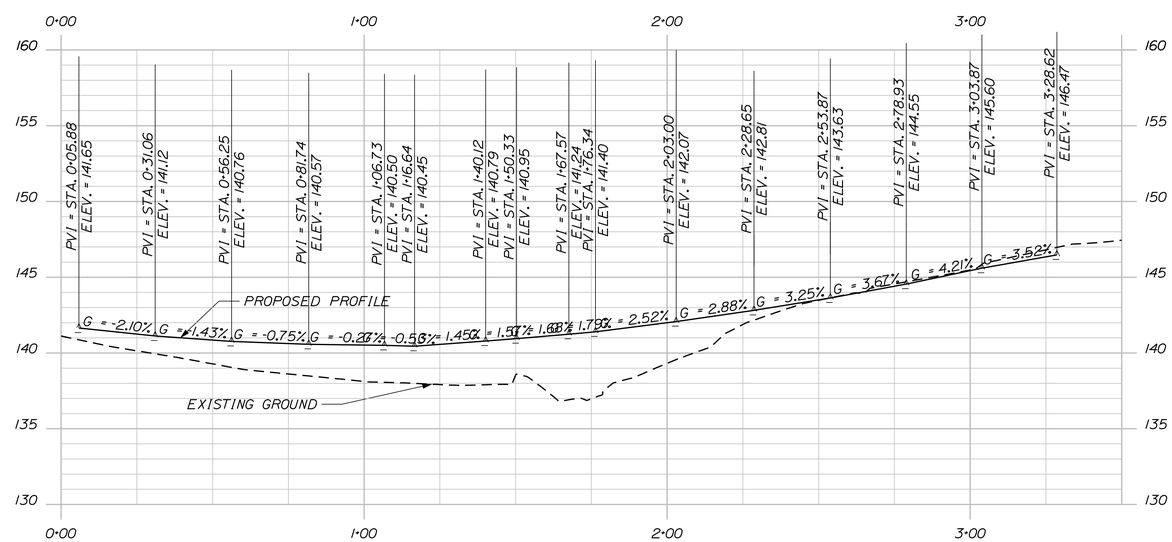
	STATION	NORTHING	EASTING
POB (2000)	0+00.00	307734.84312	974121.55930
PI (2001)	0+05.50	307740.03159	974119.72652
Tangent Direction: N 19°27'19.2" W			
Tangent Length: 5.50			
PI (2002)	0+05.51	307740.03852	974119.72372
Tangent Direction: N 21°58'14.9" W			
Tangent Length: 0.01			
PC (2003)	0+71.20	307800.96093	974095.14559
Tangent Direction: N 21°58'14.9" W			
PI ( )	1+38.32	307863.19849	974070.03687
CC (2004)		307823.40896	974150.78807
PCC (2005)	1+72.16	307881.20818	974134.68680
Radius: 60.00			
Delta: 96°24'15.9" Right			
Length: 100.95			
PI ( )	1+95.79	307887.55037	974157.45357
CC (2006)		307660.60784	974196.13998
PCC (2007)	2+19.26	307889.10919	974181.03576
Radius: 229.00			
Delta: 11°47'04.4" Right			
Length: 47.10			
PI ( )	2+71.24	307892.53794	974232.90711
CC (2008)		306041.14237	974303.19408
PT (2009)	3+23.19	307893.05185	974284.88368
Radius: 1852.00			
Delta: 3°12'55.2" Right			
Length: 103.93			
POE (2010)	3+52.34	307893.34006	974314.02431
Tangent Direction: N 89°26'00.1" E			
Tangent Length: 29.15			

Horizontal Alignment Name: WESTBOUND NORTHBOUND EDGELINE

	STATION	NORTHING	EASTING
PC (3000)	0+00.00	307933.08333	974314.92442
PI ( )	0+32.89	307934.85112	974282.07862
CC (408)		307217.11954	974276.39068
PT (3001)	0+65.74	307933.60412	974249.20893
Radius: 717.00			
Delta: 5°15'12.1" Left			
Length: 65.74			
PC (3002)	1+46.05	307930.55613	974168.97301
Tangent Direction: S 87°49'38.5" W			
Tangent Length: 80.31			
PI ( )	1+72.30	307929.56102	974142.74280
CC (3003)		308005.50221	974166.12973
PT (3004)	1+96.55	307945.14000	974121.61677
Radius: 75.00			
Delta: 38°34'43.8" Right			
Length: 50.50			
PC (3005)	2+35.95	307968.52694	974089.90269
Tangent Direction: N 53°35'37.7" W			
Tangent Length: 39.40			
PI ( )	3+07.40	308010.92899	974032.40299
CC (3006)		308209.97580	974267.95450
PCC (3007)	3+76.23	308074.69634	974000.18694
Radius: 300.00			
Delta: 26°47'25.2" Right			
Length: 140.27			
PI ( )	4+05.97	308101.24706	973986.77319
CC (508)		309034.72960	975900.44406
PT (3008)	4+35.72	308128.16219	973974.10647
Radius: 2129.00			
Delta: 1°36'03.6" Right			
Length: 59.49			

Horizontal Alignment Name: SOUTHBOUND WESTBOUND EDGELINE

	STATION	NORTHING	EASTING
PC (4000)	0+00.00	308112.39534	973940.63399
PI ( )	0+45.93	308070.83697	973960.19237
CC (508)		309034.72960	975900.44406
PRC (4001)	0+91.85	308030.14507	973981.49489
Radius: 2166.00			
Delta: 2°25'46.5" Left			
Length: 91.85			
PI ( )	1+25.29	308000.38886	973997.07512
CC (4002)		308008.21056	973939.92687
PCC (4003)	1+49.97	307976.02291	973974.17530
Radius: 47.00			
Delta: 70°51'34.9" Right			
Length: 58.13			
PI ( )	1+67.39	307963.33215	973962.24816
CC (4004)		308025.33166	973921.70962
PCC (4005)	1+84.15	307957.49545	973945.83947
Radius: 72.00			
Delta: 27°11'45.0" Right			
Length: 34.18			
PI ( )	2+19.71	307945.57930	973912.33961
CC (4006)		308193.03782	973862.05526
PCC (4007)	2+54.79	307943.47572	973876.84580
Radius: 250.00			
Delta: 16°11'20.9" Right			
Length: 70.64			
PI ( )	2+85.62	307941.65165	973846.06800
CC (4008)		309792.23173	973767.27747
PCC (4009)	3+16.45	307940.85307	973815.24654
Radius: 1852.00			
Delta: 1°54'27.1" Right			
Length: 61.66			
PI ( )	3+49.08	307940.00771	973782.61978
CC (4010)		308690.60145	973795.82062
PCC (4011)	3+81.68	307941.99981	973750.04292
Radius: 750.00			
Delta: 4°59'00.7" Right			
Length: 65.23			
PI ( )	4+04.63	307943.40059	973727.13599
CC (1004)		309828.47593	973865.40271
PT (4012)	4+27.58	307945.35718	973704.26983
Radius: 1890.00			
Delta: 1°23'29.0" Right			
Length: 45.90			



SOUTHBOUND TO WESTBOUND EDGELINE PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

7960

P.E. NUMBER

APRIL 7, 2011

DATE

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

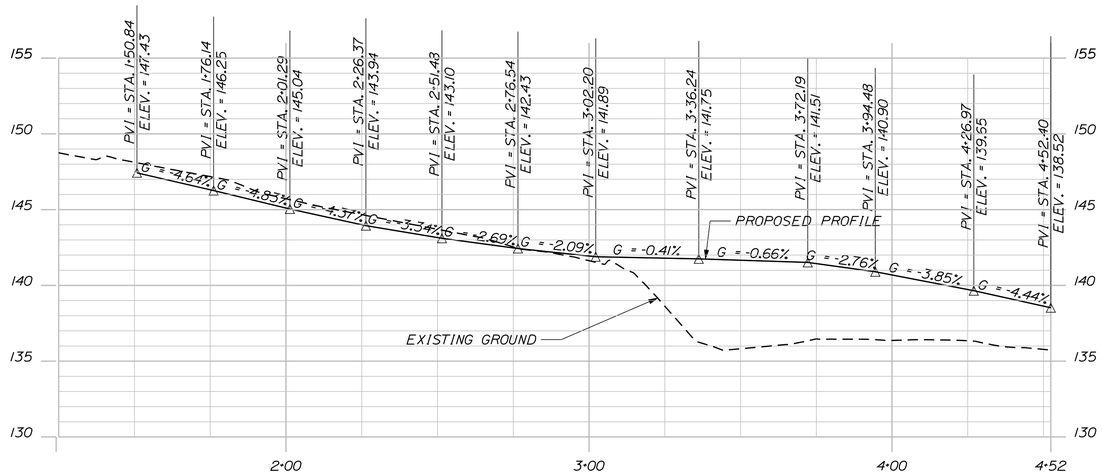
GEOMETRY PLANS

SHEET NUMBER

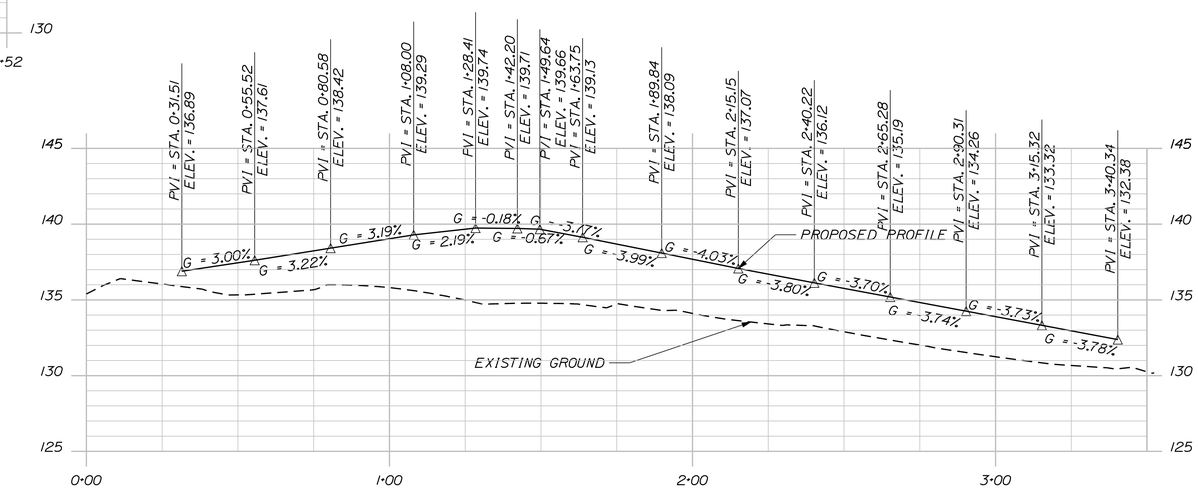
12

OF 56

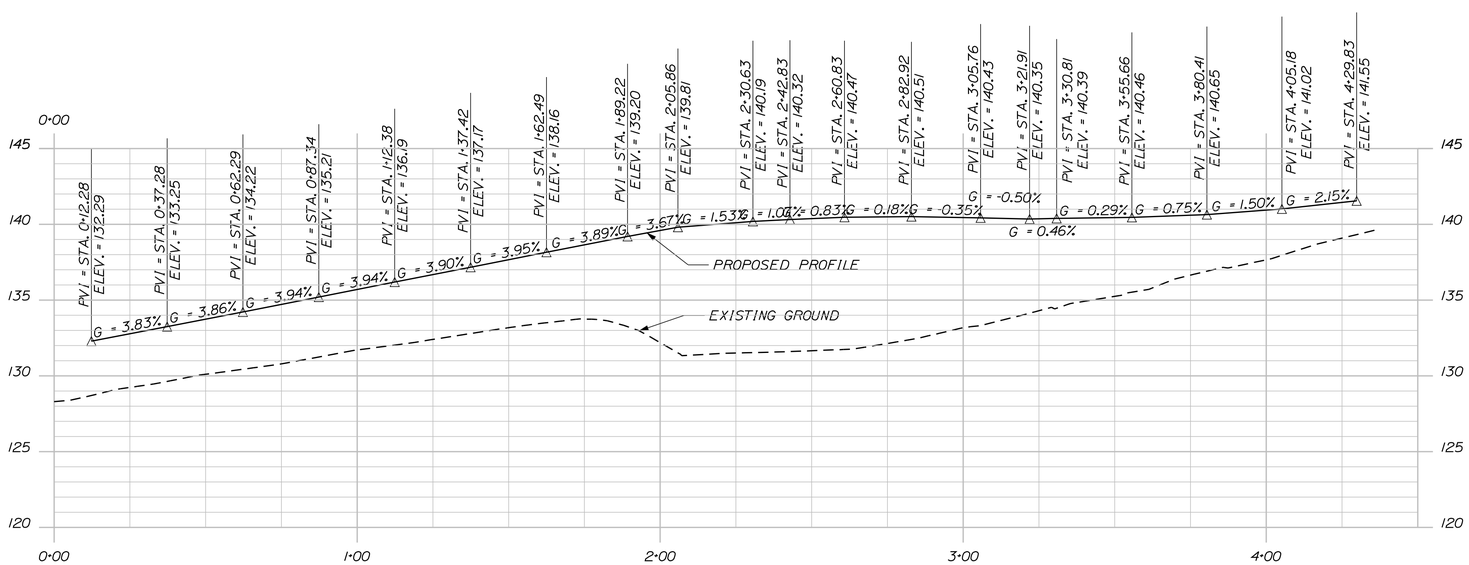
Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$



EASTBOUND TO SOUTHBOUND EGDELINE PROFILE



NORTHBOUND TO EASTBOUND EDGELINE PROFILE



WESTBOUND TO NORTHBOUND EDGELINE PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

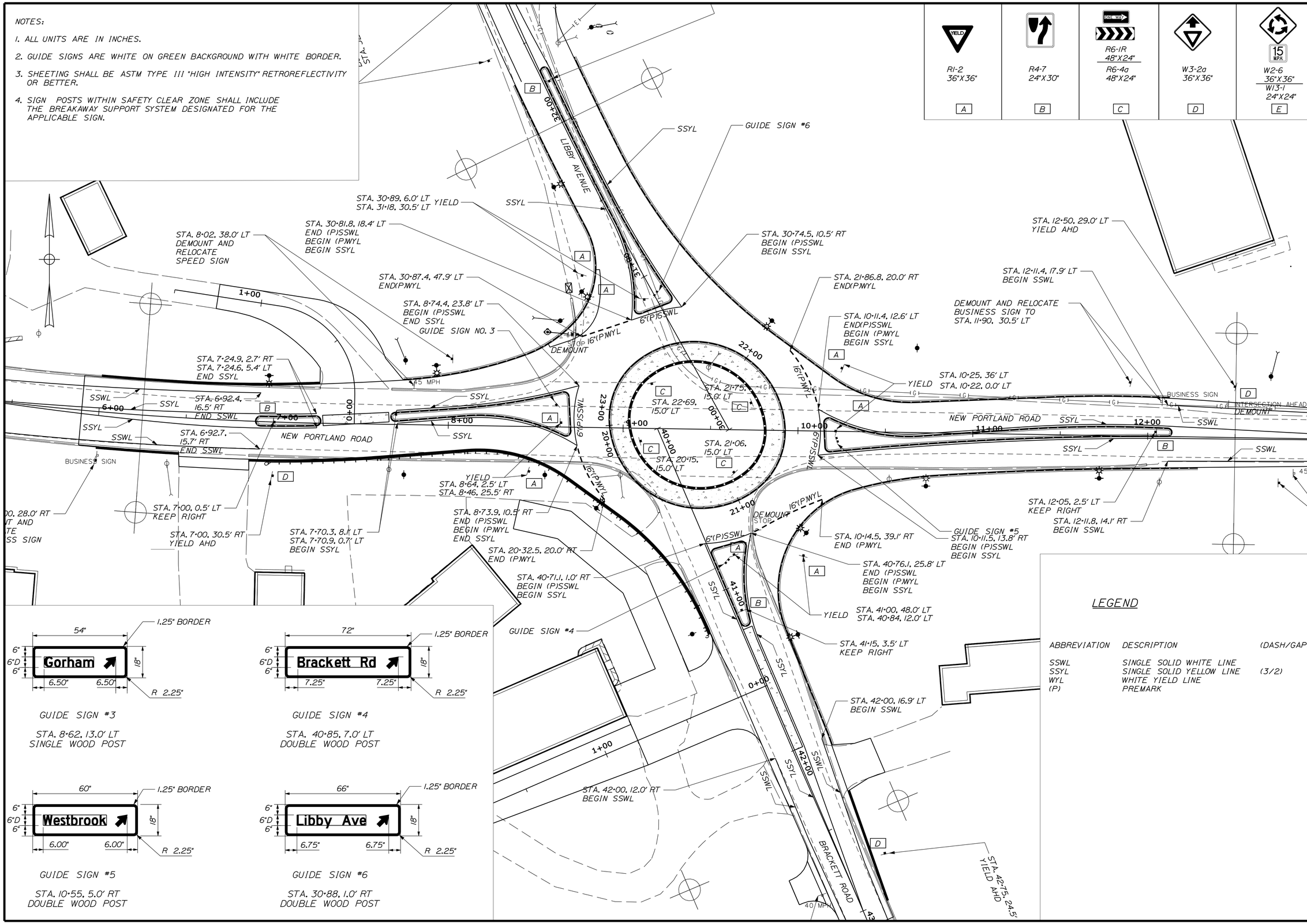
GORHAM
NEW PORTLAND ROAD
ROUNDABOUT
PLANS

SHEET NUMBER
13
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$

NOTES:

1. ALL UNITS ARE IN INCHES.
2. GUIDE SIGNS ARE WHITE ON GREEN BACKGROUND WITH WHITE BORDER.
3. SHEETING SHALL BE ASTM TYPE III "HIGH INTENSITY" RETROREFLECTIVITY OR BETTER.
4. SIGN POSTS WITHIN SAFETY CLEAR ZONE SHALL INCLUDE THE BREAKAWAY SUPPORT SYSTEM DESIGNATED FOR THE APPLICABLE SIGN.



LEGEND

ABBREVIATION	DESCRIPTION	(DASH/GAP)
SSWL	SINGLE SOLID WHITE LINE	
SSYL	SINGLE SOLID YELLOW LINE	(3/2)
WYL	WHITE YIELD LINE	
(P)	PREMARK	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER STEVE LANDRY		
DESIGN-DETAILED	JLE	3-11
CHECKED-REVIEWED	ALG	3-11
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
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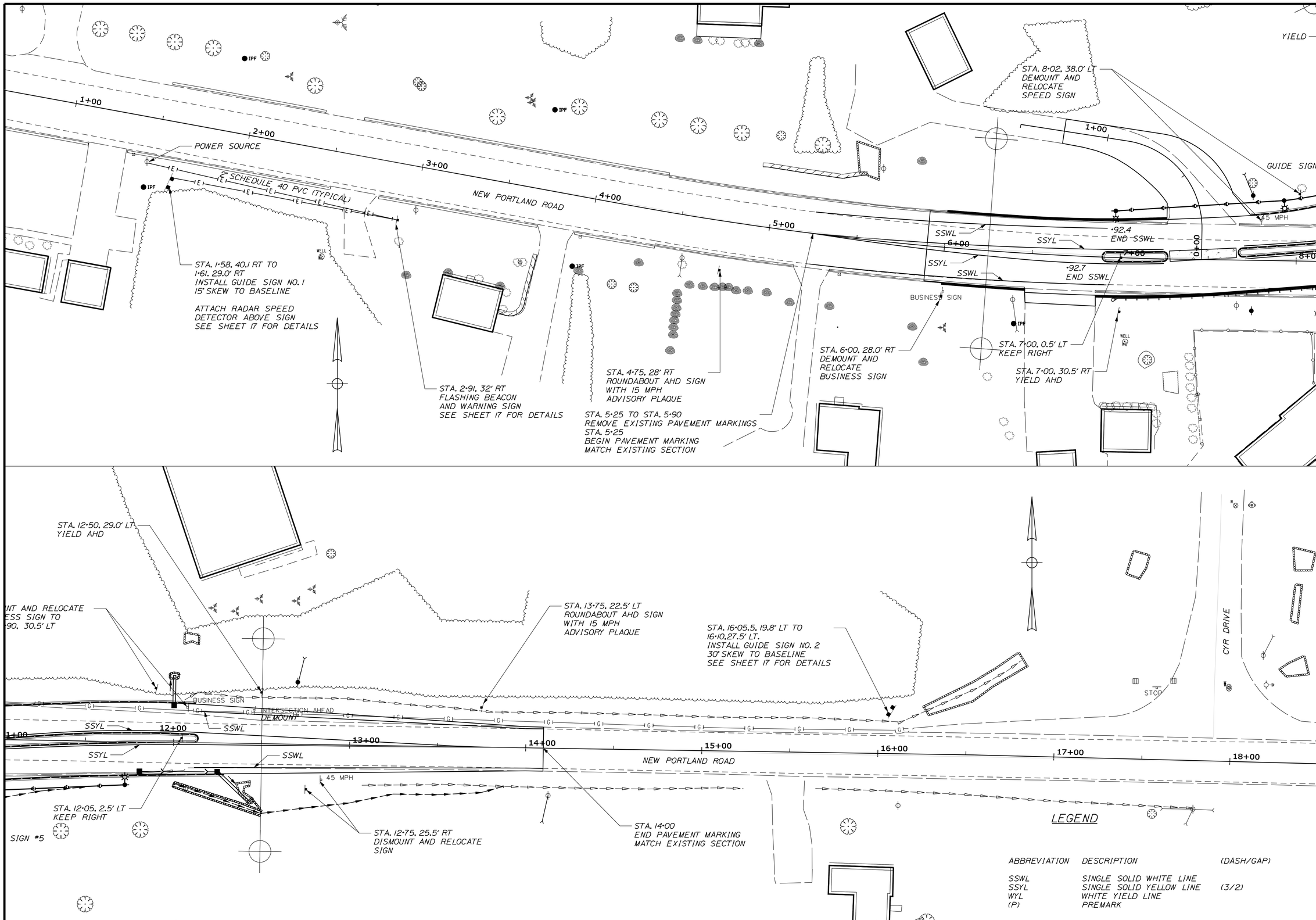
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

SIGNING/STRIPING PLANS

SHEET NUMBER
14
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



LEGEND

ABBREVIATION	DESCRIPTION	(DASH/GAP)
SSWL	SINGLE SOLID WHITE LINE	
SSYL	SINGLE SOLID YELLOW LINE	(3/2)
WYL	WHITE YIELD LINE	
(P)	PREMARK	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
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HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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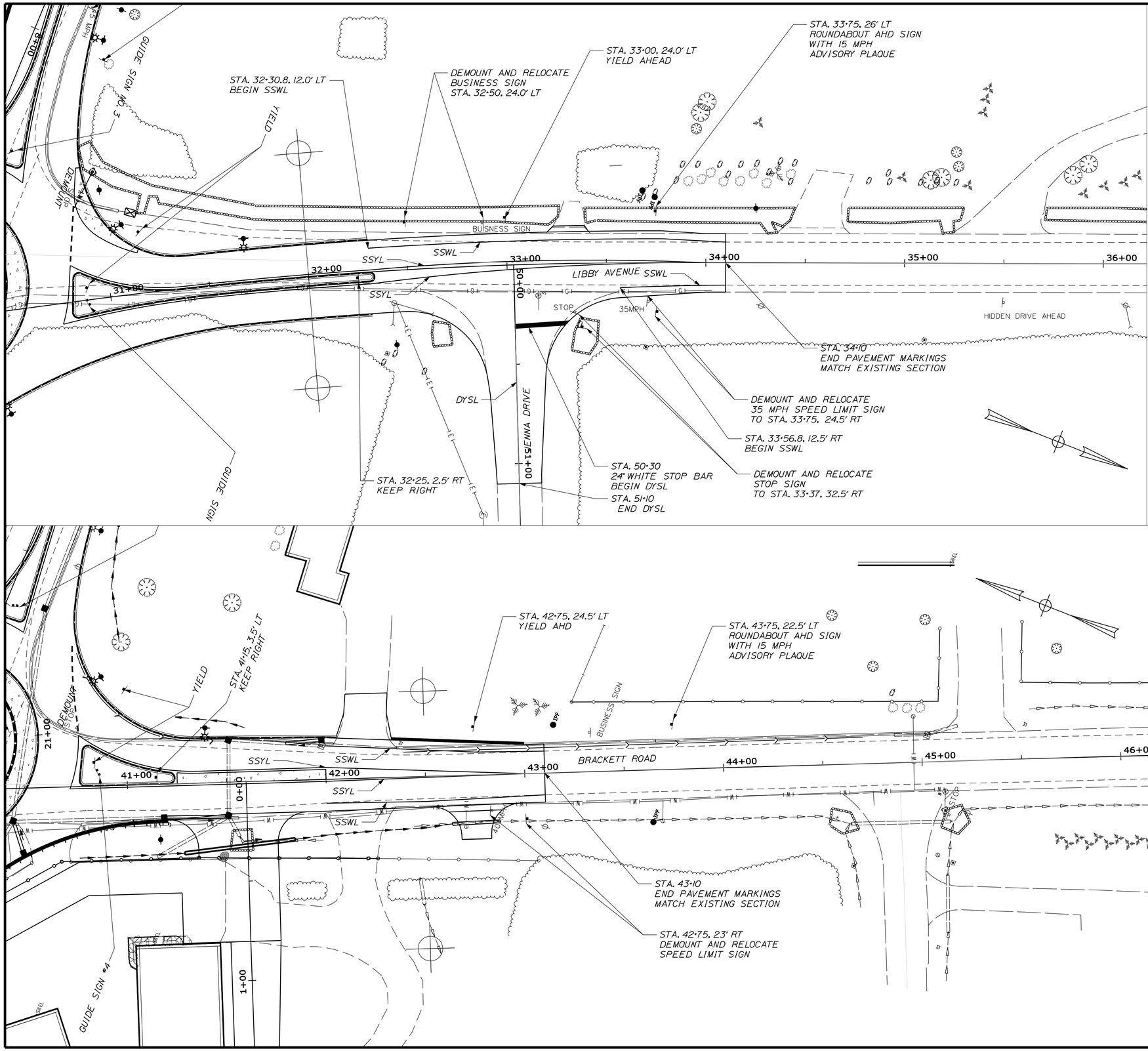
GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

SIGNING/STRIPING PLANS

SHEET NUMBER
15
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$



LEGEND

ABBREVIATION	DESCRIPTION	(DASH/GAP)
SSWL	SINGLE SOLID WHITE LINE	
SSYL	SINGLE SOLID YELLOW LINE	(3/2)
WYL	WHITE YIELD LINE	
(P)	PREMARK	
DYSL	DOUBLE YELLOW SOLID LINE	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG	ALG	3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
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FIELD CHANGES			

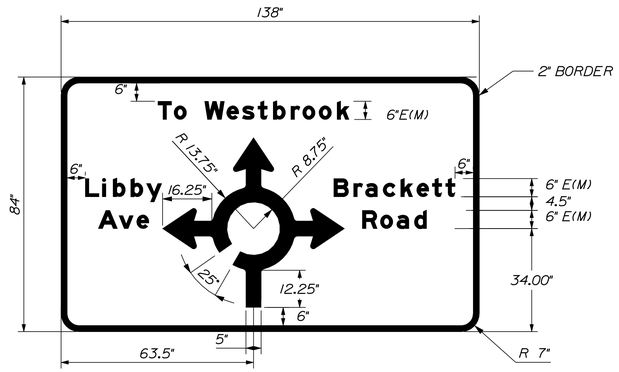
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT

SIGNING/STRIPING PLANS

SHEET NUMBER
16
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$

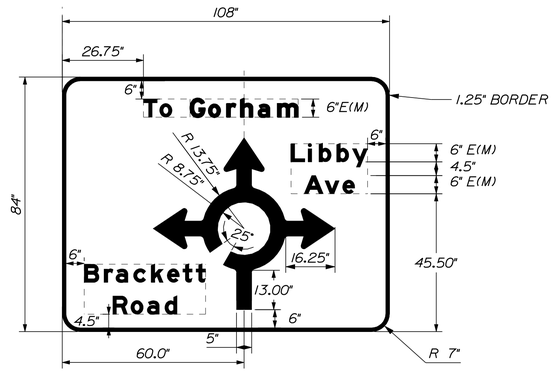


GUIDE SIGN #1

EASTBOUND APPROACH
STA. 1+58. 40.1' RT TO STA. 1+61. 29.0' RT
15° SKEW

DOUBLE W8X18 POSTS
24" FOUNDATIONS

TRANSPO BREAK-SAFE MODEL B650
WITH TYPE B ANCHORS



GUIDE SIGN #2

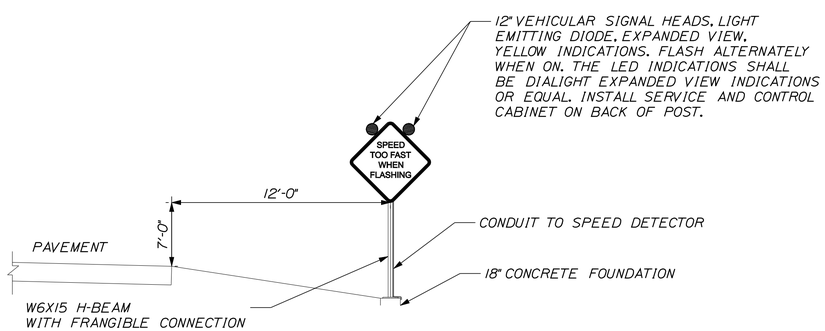
WESTBOUND APPROACH
STA. 16+05.5. 19.8' LT TO STA. 16+10. 27.5' LT
30° SKEW

DOUBLE W8X18 POSTS
24" FOUNDATIONS

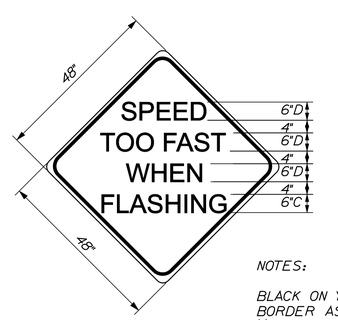
TRANSPO BREAK-SAFE MODEL B650
WITH TYPE B ANCHORS

NOTES:

1. ALL UNITS ARE IN INCHES.
2. GUIDE SIGNS ARE WHITE ON GREEN BACKGROUND WITH WHITE BORDER.
3. SHEETING SHALL BE ASTM TYPE III "HIGH INTENSITY" RETROREFLECTIVITY OR BETTER.
4. SIGN POSTS WITHIN SAFETY CLEAR ZONE SHALL INCLUDE THE BREAKAWAY SUPPORT SYSTEM DESIGNATED FOR THE APPLICABLE SIGN.



INSTALLATION OF SPEED ACTIVATED
WARNING SIGN
(NTS)



NOTES:

BLACK ON YELLOW
BORDER AS SHOWN IN STANDARD HIGHWAY SIGNS
1/8" ALUMINUM WITH WINDBARS

SIGN DETAIL

NOTES FOR ITEM 643.60. FLASHING BEACON AT EASTBOUND APPROACH

1. THE SPEED-ACTIVATED WARNING BEACON SYSTEM SHALL OPERATE AS FOLLOWS: WHEN AN EASTBOUND VEHICLE IS DETECTED TRAVELING 35 MPH OR FASTER, THE FLASHING BEACONS ON THE WARNING SIGN SHALL BE ACTIVATED AND FLASH FOR A PERIOD OF 10 SECONDS. THE SPEED ONLY OF APPROACHING VEHICLES SHALL BE DETECTED.

2. THE VEHICULAR SPEED DETECTOR RADAR UNIT SHALL HAVE EQUAL FUNCTIONALITY TO THE WAVETRONICS SMART SENSOR ADVANCE MODEL 200. DETECTION RANGE SHALL BE SET AT 500'.

3. THE VEHICULAR SPEED DETECTOR RADAR UNIT SHALL BE MOUNTED ABOVE THE GUIDE SIGN AND ATTACHED TO THE SIGN POST AT STATION 1+61, 29' RT. MOUNTING HEIGHT SHALL BE A MINIMUM OF 17' ABOVE ROAD ELEVATION.

4. ALL WORK SHALL CONFORM TO APPLICABLE SECTIONS OF THE STANDARD DETAILS AND STANDARD SPECIFICATIONS. SECTION 643 TRAFFIC SIGNALS AND SECTION 645 HIGHWAY SIGNING.

5. PAYMENT UNDER ITEM 643.60 SHALL INCLUDE FLASHING BEACONS, CONTROLLER, FLASHER, CABINET, SERVICE, RADAR SPEED DETECTOR, HARDWARE FOR ATTACHMENT OF DETECTOR TO GUIDE SIGN POST, STEEL WARNING SIGN POST, FRANGIBLE BASE, WIRING, BORING FOR CONDUIT UNDER DRIVE, AND ALL INCIDENTALS AND HARDWARE REQUIRED FOR A COMPLETE FUNCTIONING SYSTEM. PAYMENT FOR CONDUIT, FOUNDATION AND JUNCTION BOXES WILL BE MADE UNDER SEPARATE ITEMS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE		3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

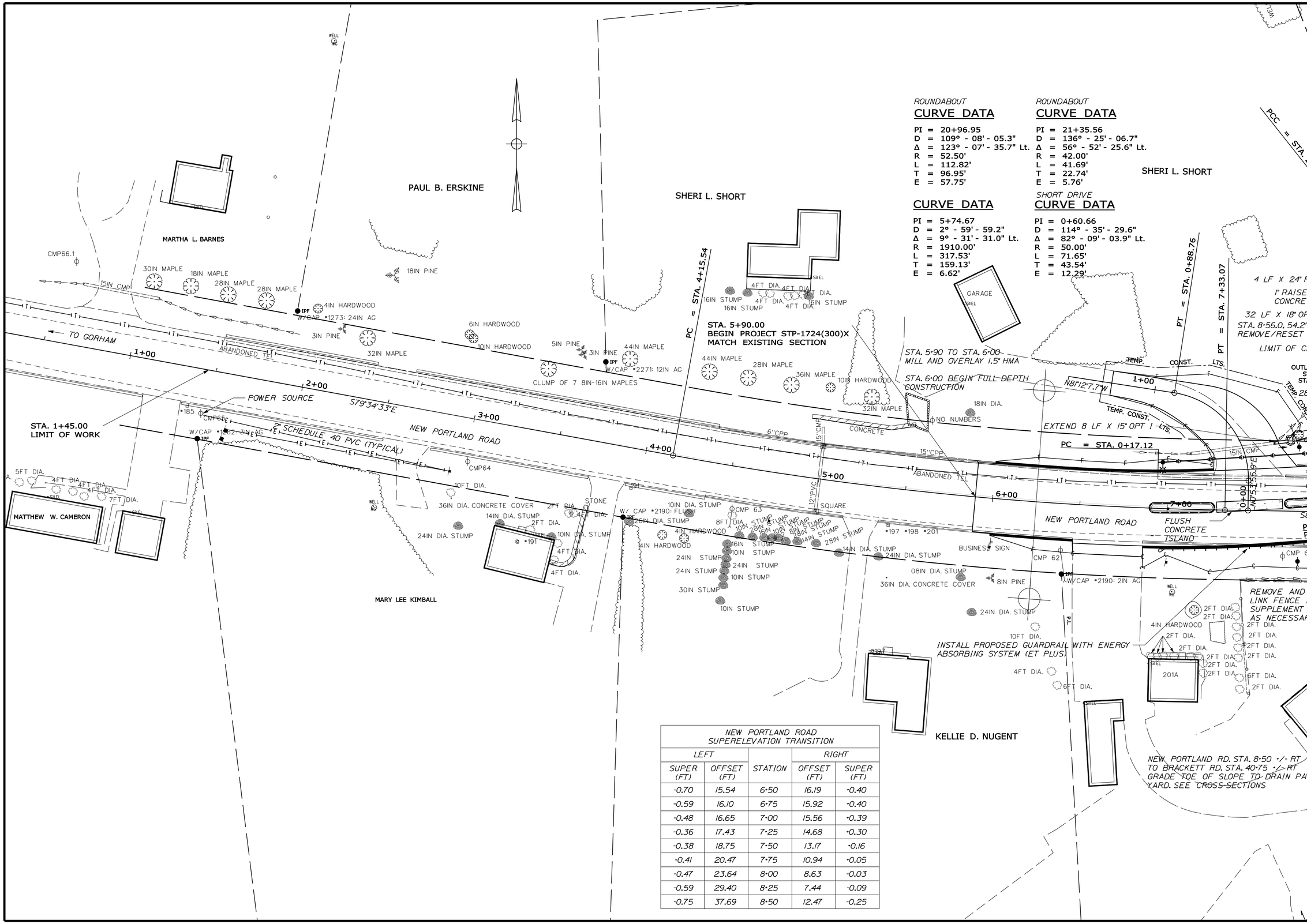
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD

SIGNING/STRIPING PLANS

SHEET NUMBER
17
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



ROUNDABOUT

CURVE DATA

PI = 20+96.95
D = 109° - 08' - 05.3"
Δ = 123° - 07' - 35.7" Lt.
R = 52.50'
L = 112.82'
T = 96.95'
E = 57.75'

ROUNDABOUT

CURVE DATA

PI = 21+35.56
D = 136° - 25' - 06.7"
Δ = 56° - 52' - 25.6" Lt.
R = 42.00'
L = 41.69'
T = 22.74'
E = 5.76'

SHORT DRIVE

CURVE DATA

PI = 5+74.67
D = 2° - 59' - 59.2"
Δ = 9° - 31' - 31.0" Lt.
R = 1910.00'
L = 317.53'
T = 159.13'
E = 6.62'

CURVE DATA

PI = 0+60.66
D = 114° - 35' - 29.6"
Δ = 82° - 09' - 03.9" Lt.
R = 50.00'
L = 71.65'
T = 43.54'
E = 12.29'

NEW PORTLAND ROAD SUPERELEVATION TRANSITION				
LEFT		STATION	RIGHT	
SUPER (FT)	OFFSET (FT)		OFFSET (FT)	SUPER (FT)
-0.70	15.54	6·50	16.19	·0.40
-0.59	16.10	6·75	15.92	·0.40
-0.48	16.65	7·00	15.56	·0.39
-0.36	17.43	7·25	14.68	·0.30
-0.38	18.75	7·50	13.17	·0.16
-0.41	20.47	7·75	10.94	·0.05
-0.47	23.64	8·00	8.63	-0.03
-0.59	29.40	8·25	7.44	-0.09
-0.75	37.69	8·50	12.47	-0.25

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

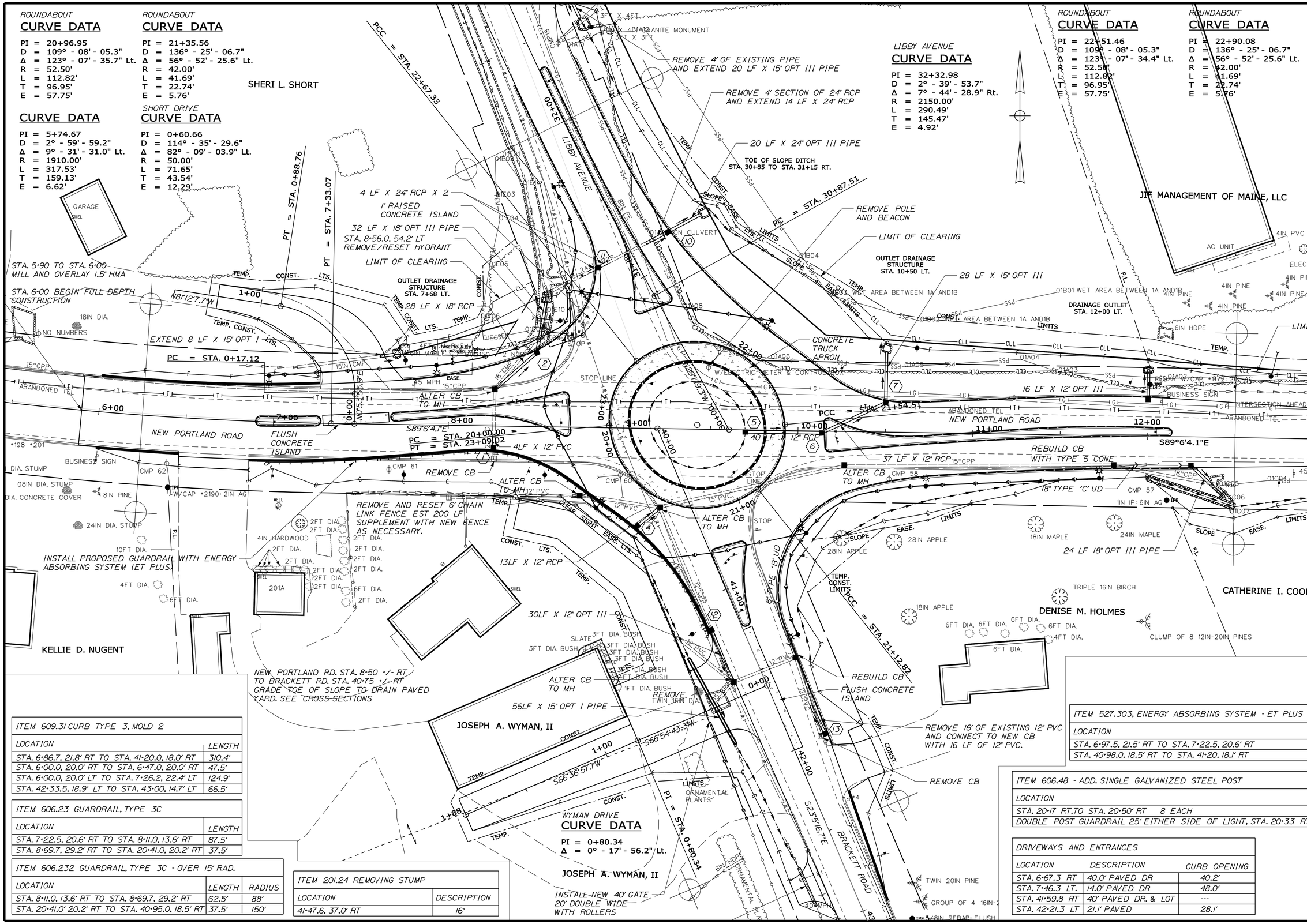
	BY	DATE
PROJ. MANAGER	STEVE LANDRY	
DESIGN-DETAILED	JLE	3-11
CHECKED-REVIEWED	ALG	3-11
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT
PLANS

SHEET NUMBER
18
OF 56

Date: $date$
Username: $user$
Division: $wkgroup$
Filename: $file$



ITEM 609.31 CURB TYPE 3, MOLD 2	
LOCATION	LENGTH
STA. 6+86.7, 21.8' RT TO STA. 41+20.0, 18.0' RT	310.4'
STA. 6+00.0, 20.0' RT TO STA. 6+47.0, 20.0' RT	47.5'
STA. 6+00.0, 20.0' LT TO STA. 7+26.2, 22.4' LT	124.9'
STA. 42+33.5, 18.9' LT TO STA. 43+00, 14.7' LT	66.5'

ITEM 606.23 GUARDRAIL, TYPE 3C	
LOCATION	LENGTH
STA. 7+22.5, 20.6' RT TO STA. 8+11.0, 13.6' RT	87.5'
STA. 8+69.7, 29.2' RT TO STA. 20+41.0, 20.2' RT	37.5'

ITEM 606.232 GUARDRAIL, TYPE 3C - OVER 15' RAD.		
LOCATION	LENGTH	RADIUS
STA. 8+11.0, 13.6' RT TO STA. 8+69.7, 29.2' RT	62.5'	88'
STA. 20+41.0' 20.2' RT TO STA. 40+95.0, 18.5' RT	37.5'	150'

ITEM 201.24 REMOVING STUMP	
LOCATION	DESCRIPTION
41+47.6, 37.0' RT	16"

ITEM 527.303, ENERGY ABSORBING SYSTEM - ET PLUS
LOCATION
STA. 6+97.5, 21.5' RT TO STA. 7+22.5, 20.6' RT
STA. 40+98.0, 18.5' RT TO STA. 41+20, 18.1' RT

ITEM 606.48 - ADD. SINGLE GALVANIZED STEEL POST
LOCATION
STA. 20+17 RT.TO STA. 20+50' RT 8 EACH
DOUBLE POST GUARDRAIL 25' EITHER SIDE OF LIGHT, STA. 20+33 RT

DRIVEWAYS AND ENTRANCES		
LOCATION	DESCRIPTION	CURB OPENING
STA. 6+67.3 RT	40.0' PAVED DR	40.2'
STA. 7+46.3 LT.	14.0' PAVED DR	48.0'
STA. 41+59.8 RT	40' PAVED DR. & LOT	---
STA. 42+21.3 LT	21.1' PAVED	28.1'

STATE OF MAINE
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STP-1724(300)X

PIN 17243.00

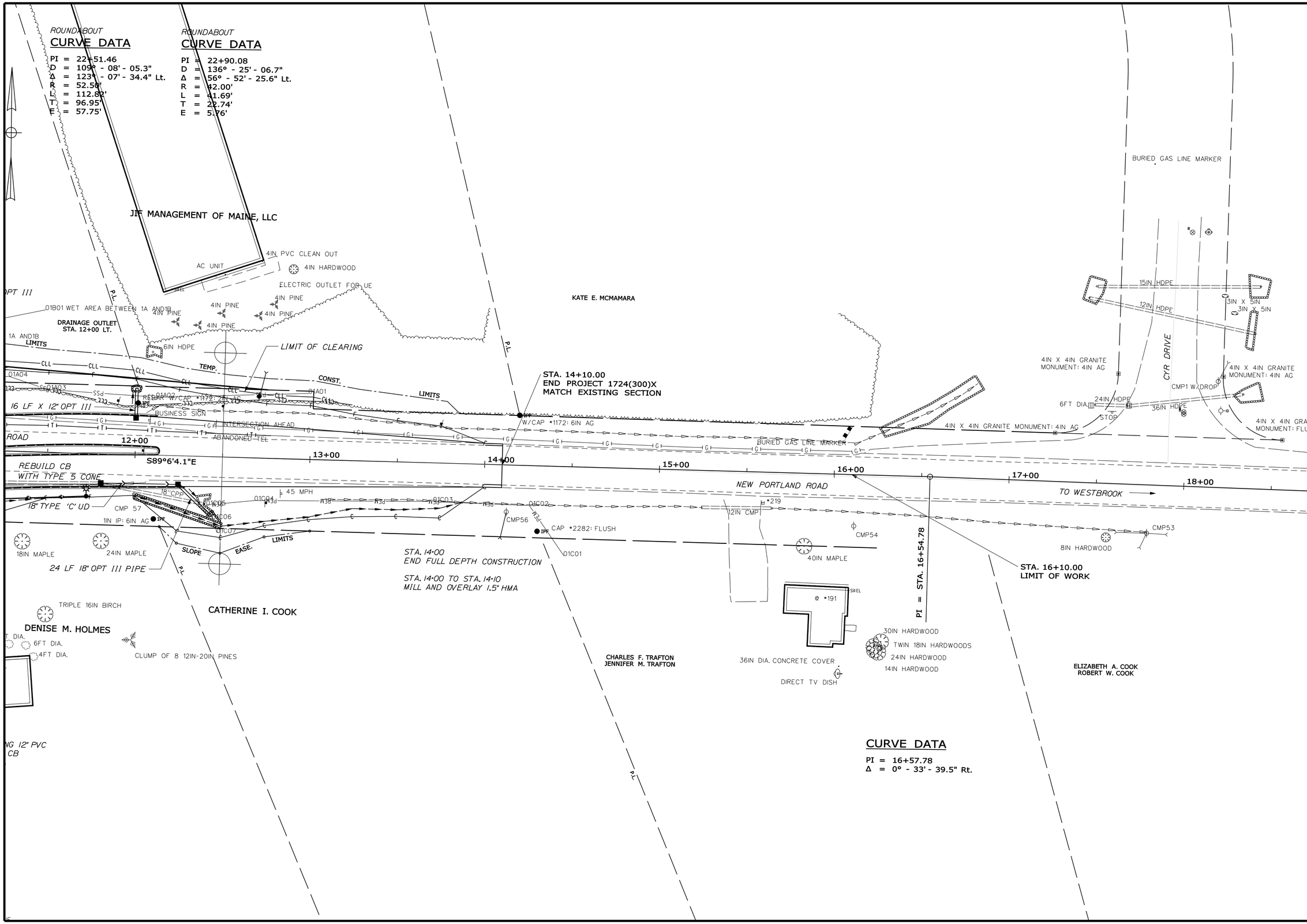
HIGHWAY PLANS

		SIGNATURE	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	7960	3-11
CHECKED-REVIEWED	ALG	P.E. NUMBER	3-11
DESIGN2-DETAILED2		APRIL 7, 2011	
DESIGN3-DETAILED3		DATE	
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

GORHAM
NEW PORTLAND ROAD
ROUNDABOUT
PLANS

SHEET NUMBER
19
OF 56

Date:$date$
Username: $user$
Division: $wkgroup$
Filename: $file$



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN 17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
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SIGNATURE
7960
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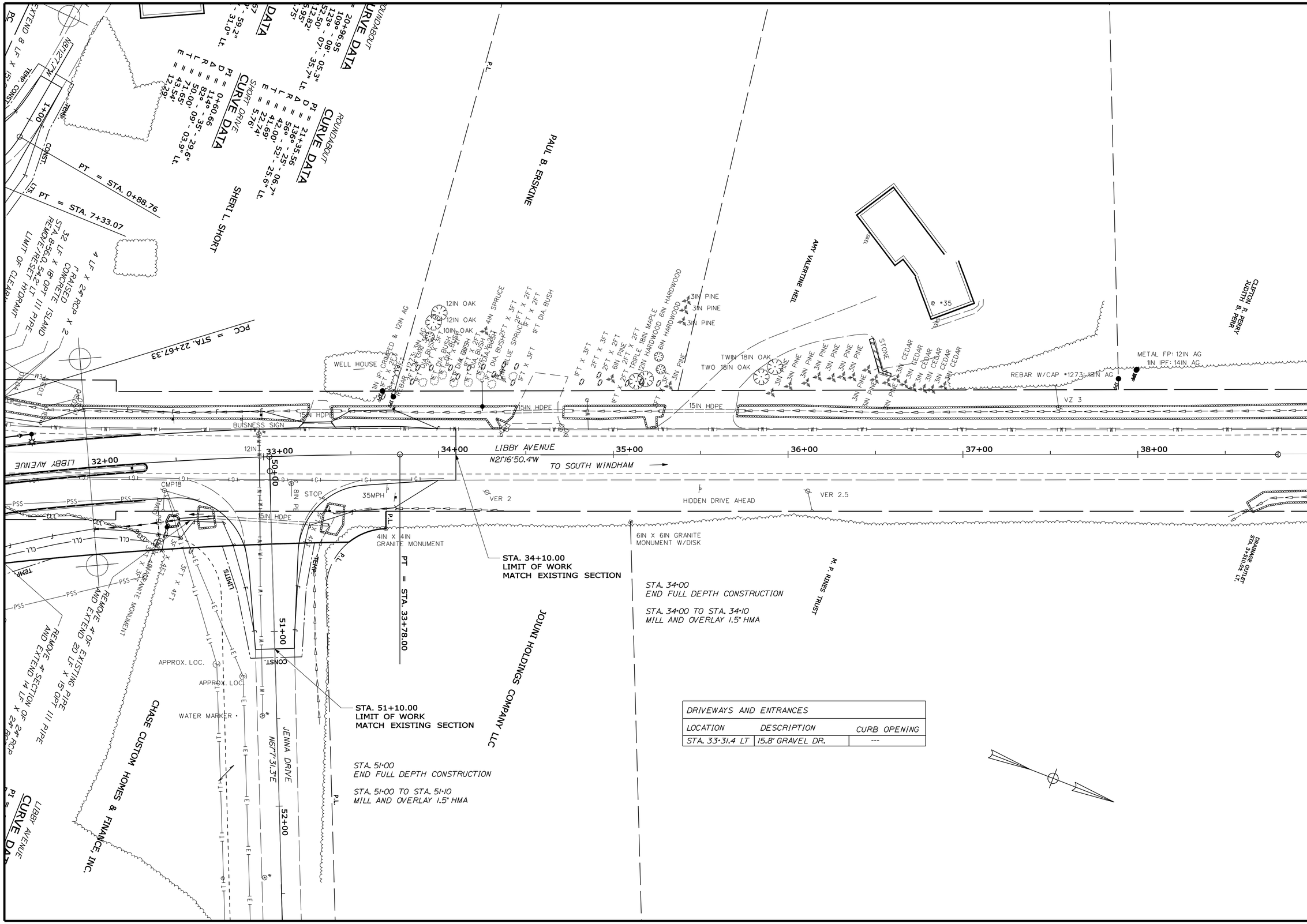
GORHAM
NEW PORTLAND ROAD
ROUNDABOUT
PLANS

SHEET NUMBER
20
OF 56

Date: $date$
Username: $user$
Division: $wkgroup$
Filename: $file$



DRIVEWAYS AND ENTRANCES		
LOCATION	DESCRIPTION	CURB OPENING
STA. 33+31.4 LT	15.8' GRAVEL DR.	---

STATE OF MAINE
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HIGHWAY PLANS

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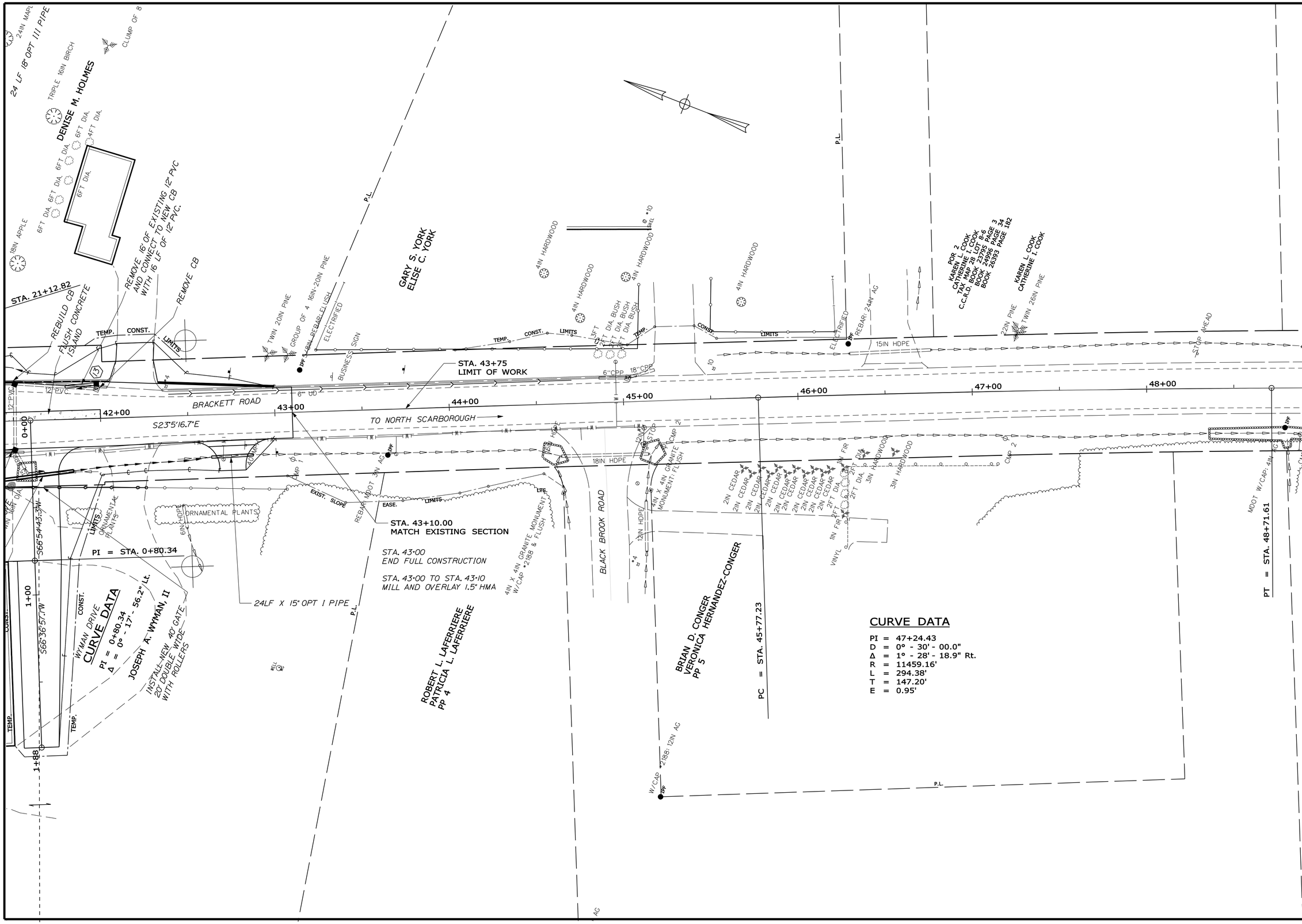
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM NEW PORTLAND ROAD ROUNDABOUT

PLANS

SHEET NUMBER
21
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



CURVE DATA

PI = 47+24.43
D = 0° - 30' - 00.0"
Δ = 1° - 28' - 18.9" Rt.
R = 11459.16'
L = 294.38'
T = 147.20'
E = 0.95'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

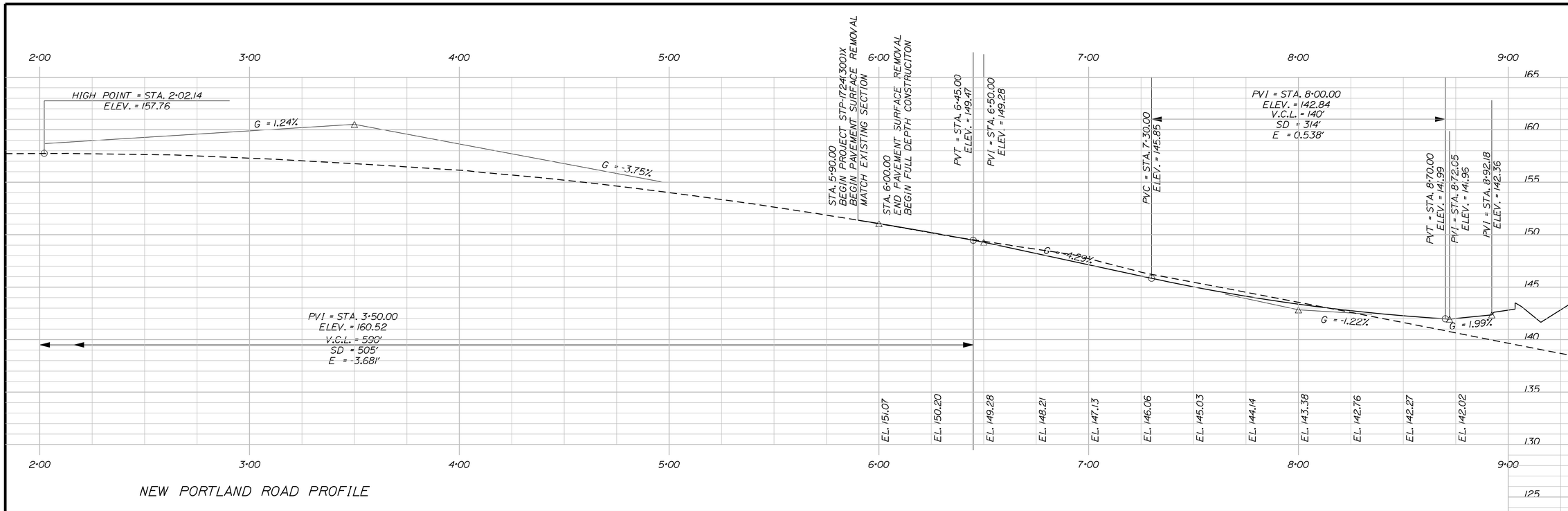
	BY	DATE
PROJ. MANAGER	STEVE LANDRY	
DESIGN-DETAILED	JLE	3-11
CHECKED-REVIEWED	ALG	3-11
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
P.E. NUMBER
P.E. NUMBER
APRIL 7, 2011
DATE

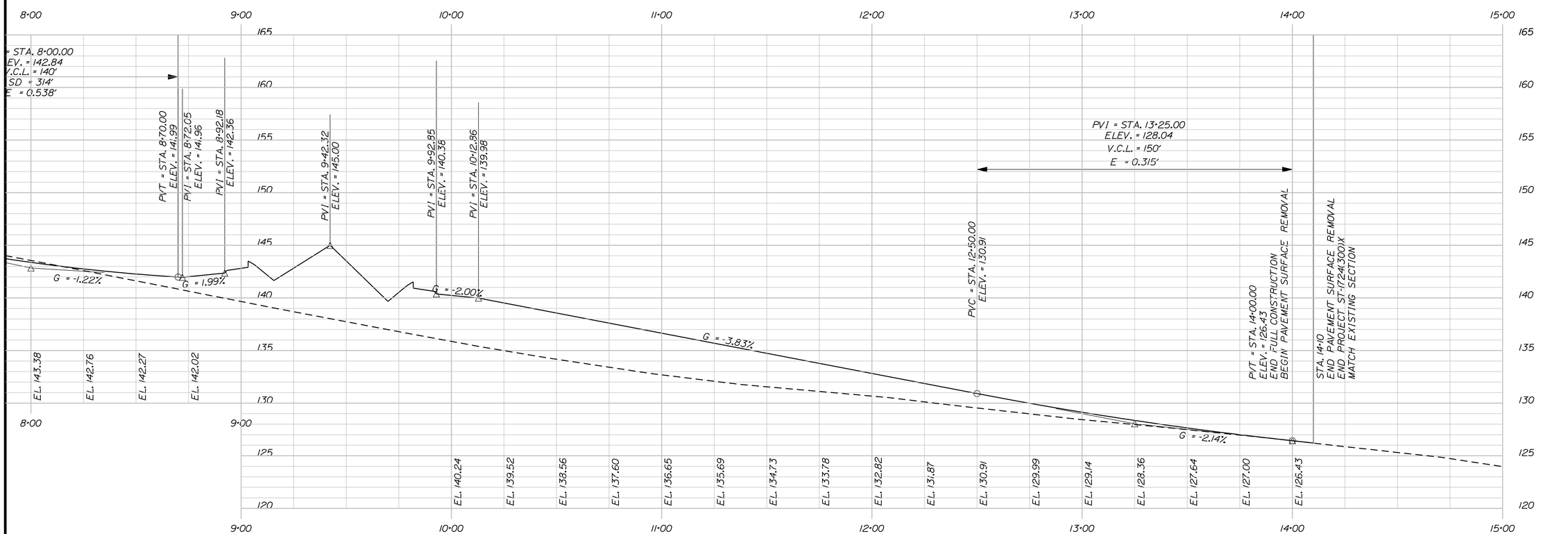
GORHAM NEW PORTLAND ROAD ROUNDABOUT PLANS

SHEET NUMBER
22
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$



NEW PORTLAND ROAD PROFILE



NEW PORTLAND ROAD PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	JLE		3-11
DESIGN2-DETAILED2	ALG		
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

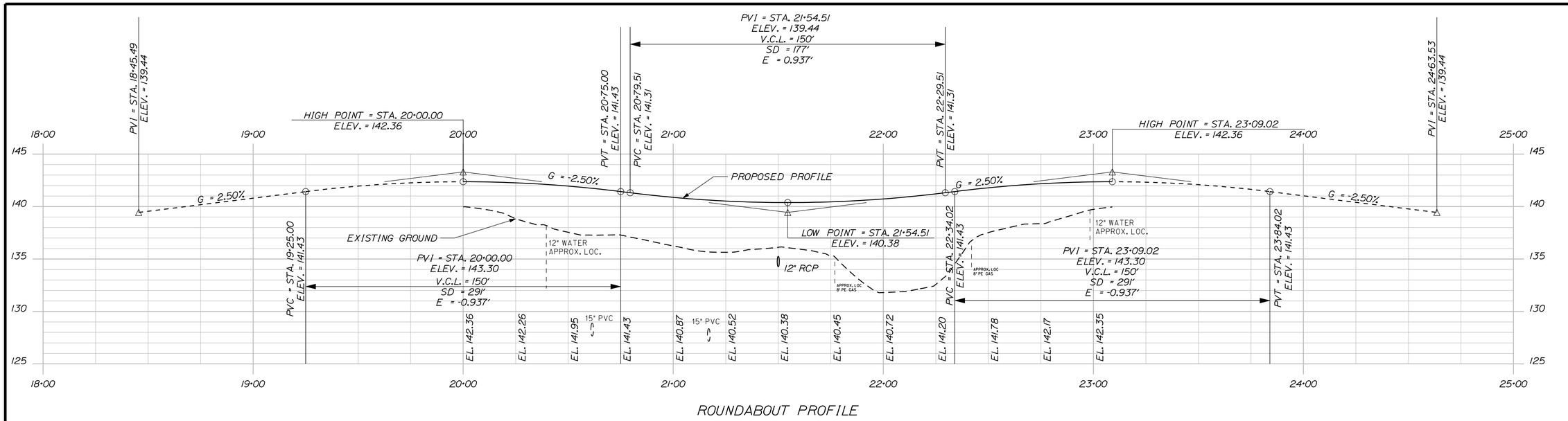
7960
P.E. NUMBER

APRIL 7, 2011
DATE

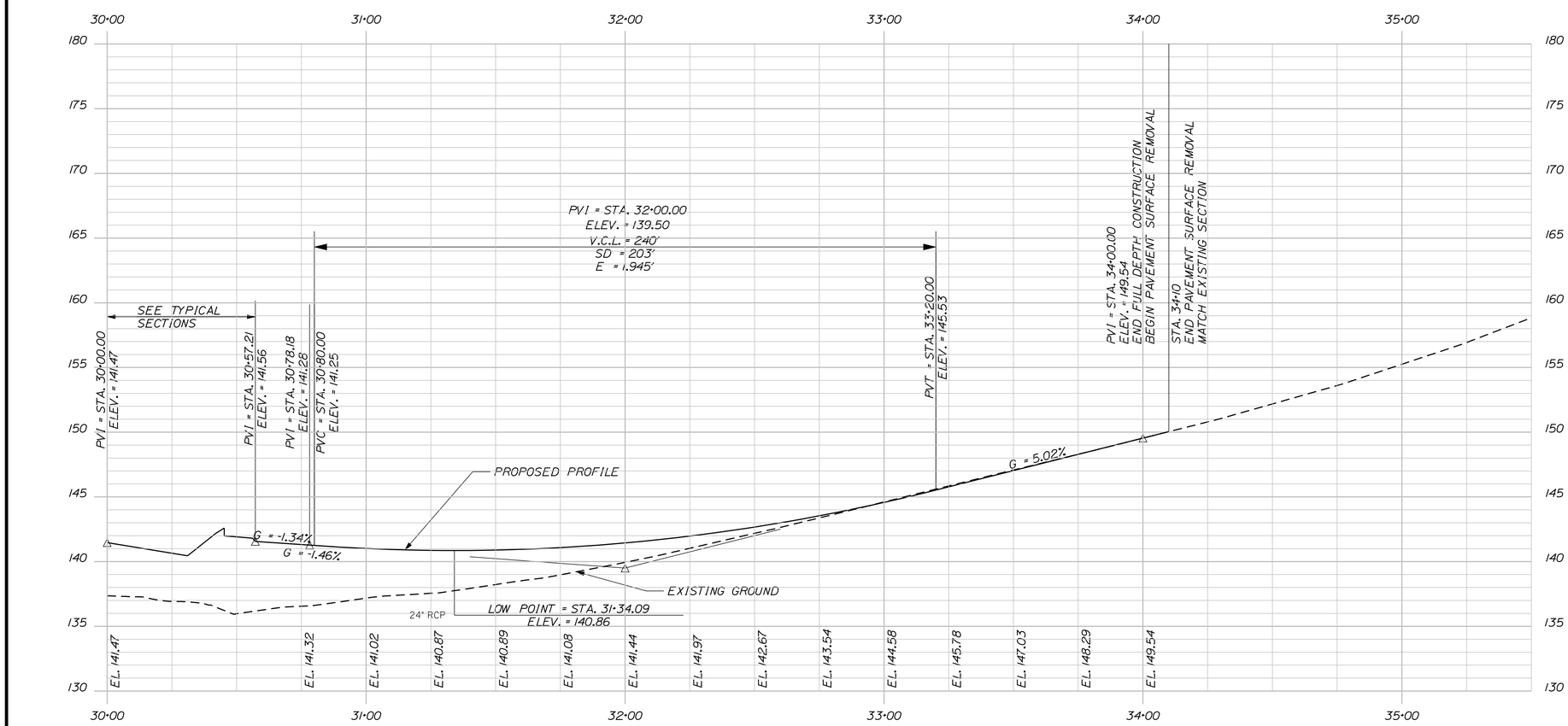
GORHAM
NEW PORTLAND ROAD
PROFILES

SHEET NUMBER
23
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



ROUNDABOUT PROFILE



LIBBY AVENUE PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

SIGNATURE		
7960		
P.E. NUMBER		
APRIL 7, 2011		
DATE		

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

GORHAM
ROUANDABOUT & LIBBY AVE.

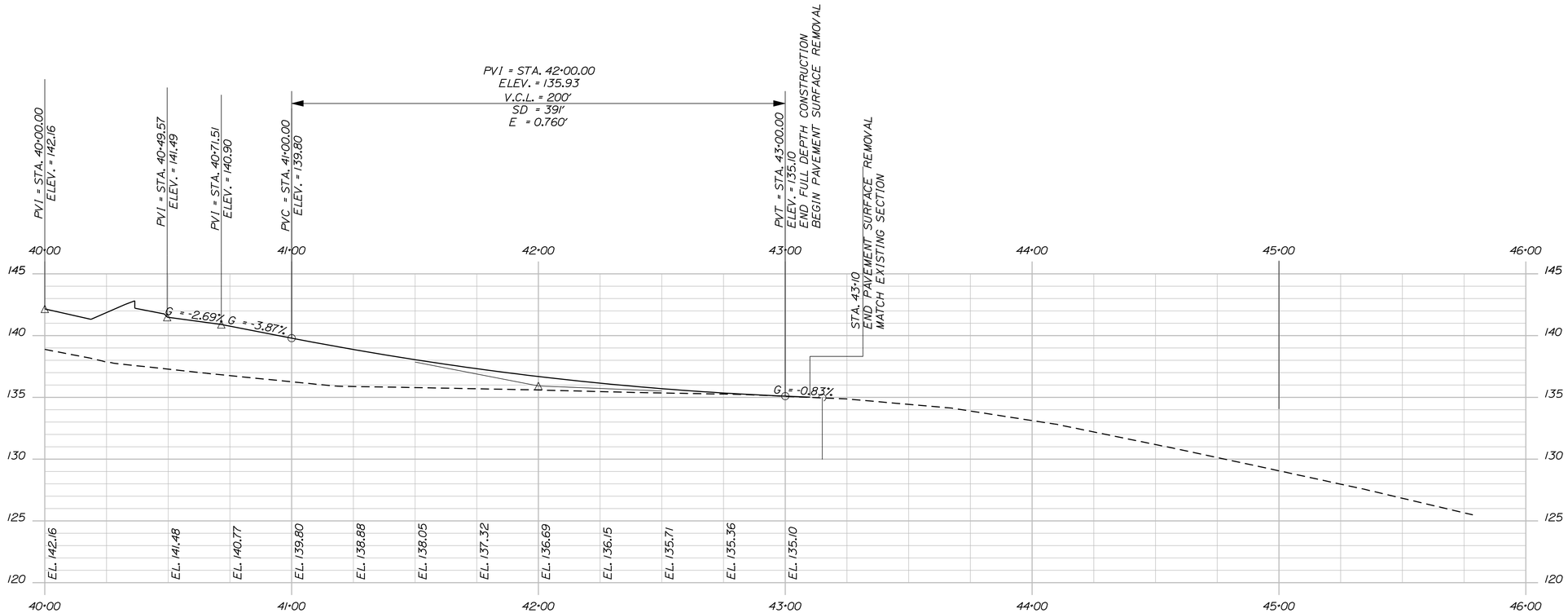
PROFILES

SHEET NUMBER

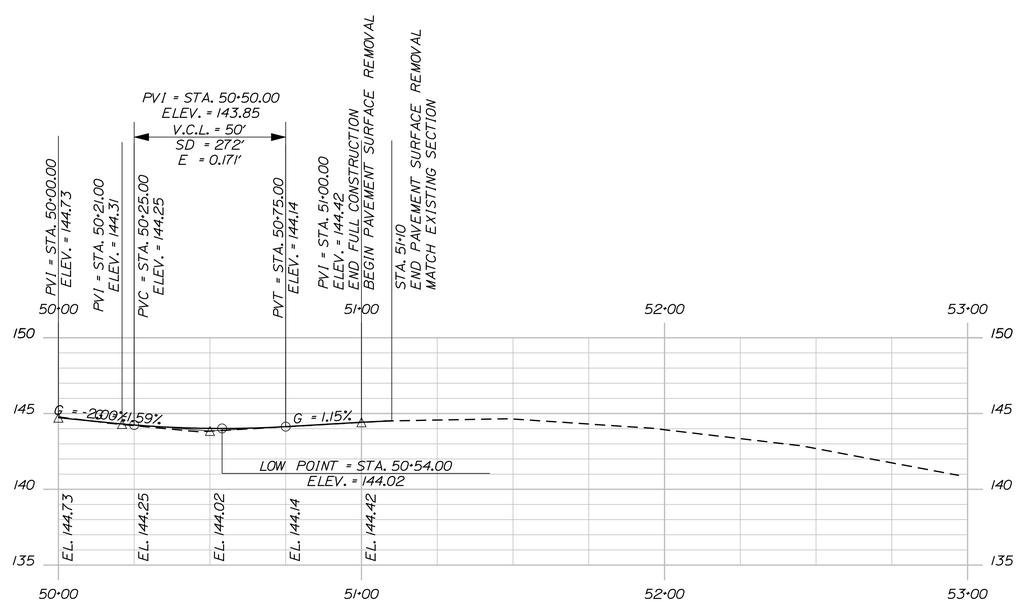
24

OF 56

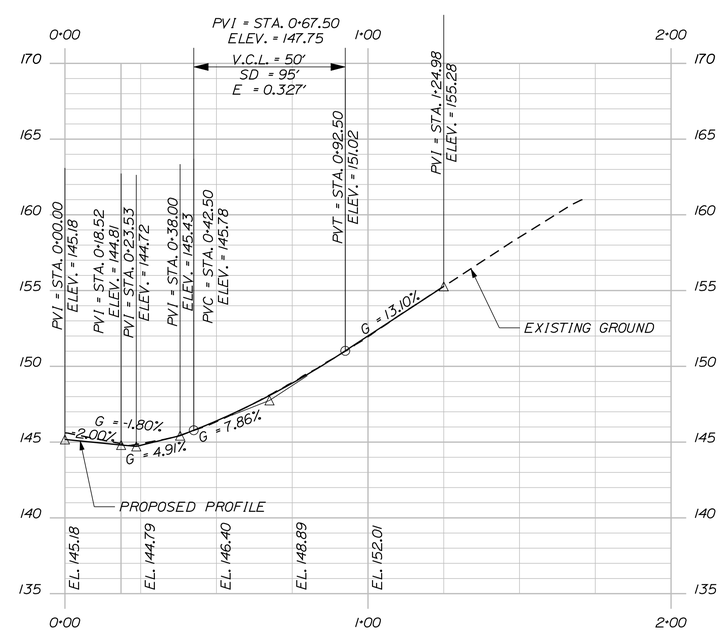
Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



BRACKETT ROAD PROFILE



JENNA DRIVE PROFILE



SHORT DRIVE PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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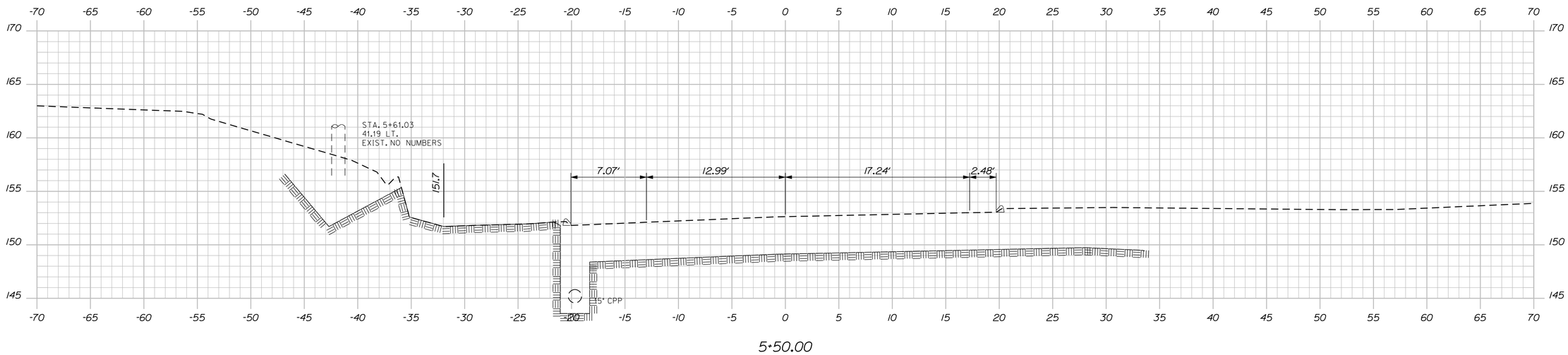
P.E. NUMBER
APRIL 7, 2011
DATE

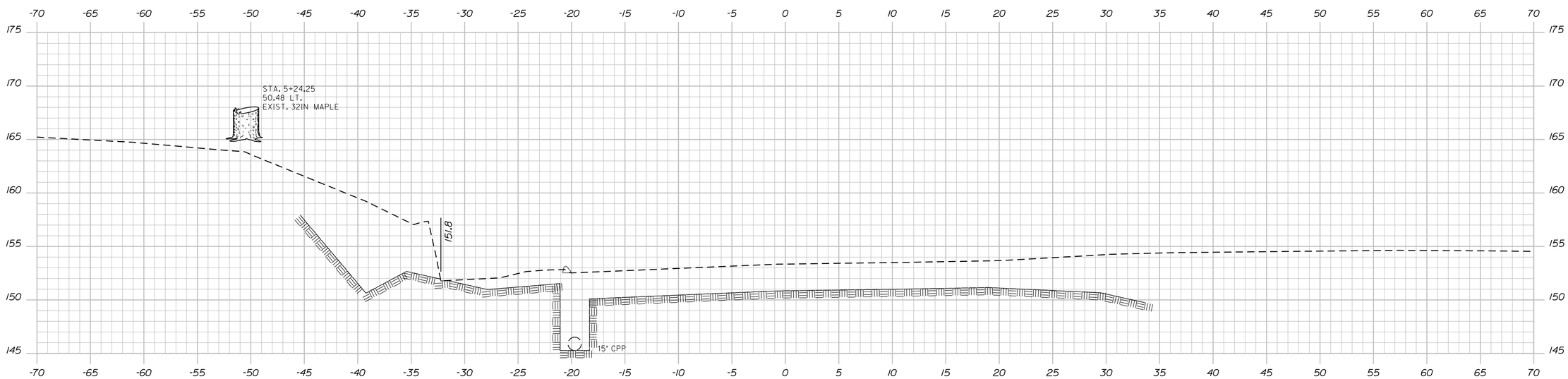
GORHAM
BRACKETT RD & JENNA DR
PROFILES

SHEET NUMBER
25
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



5+50.00



5+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

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P.E. NUMBER

APRIL 7, 2011

DATE

GORHAM
NEW PORTLAND ROAD

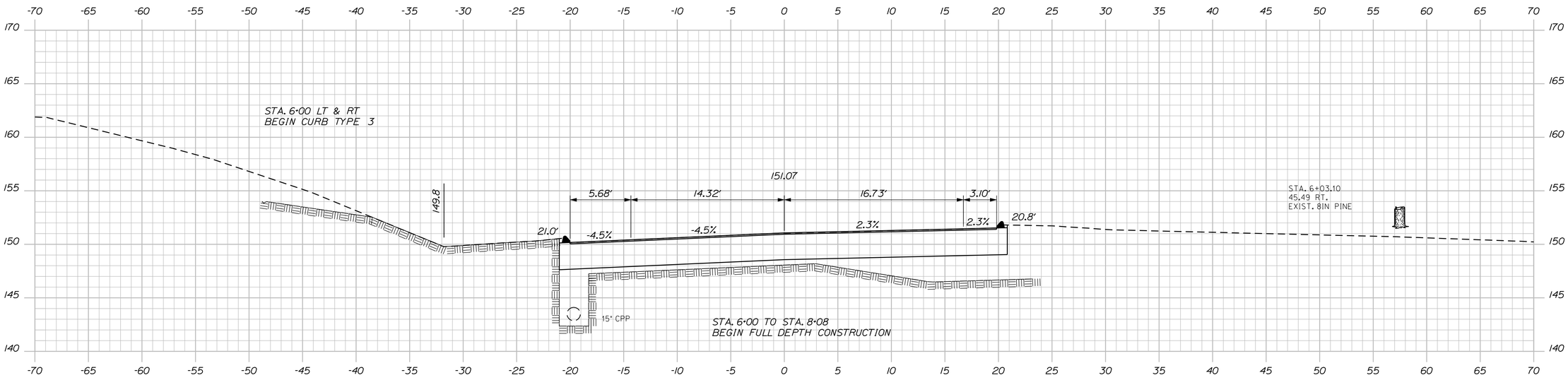
5+25.00 CROSS SECTIONS 5+50.00

SHEET NUMBER

26

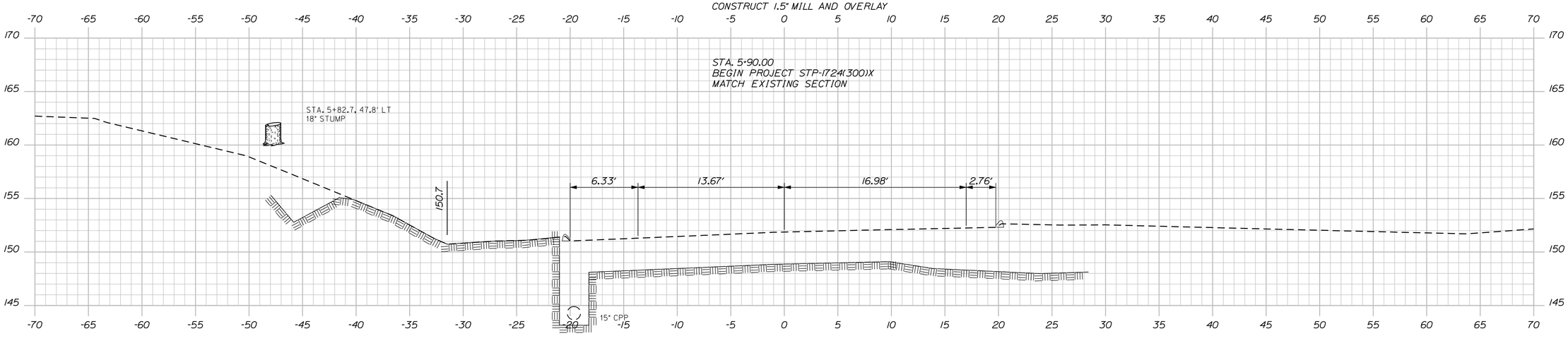
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



6+00.00

STA. 5+90 TO STA. 6+00
CONSTRUCT 1.5" MILL AND OVERLAY



5+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

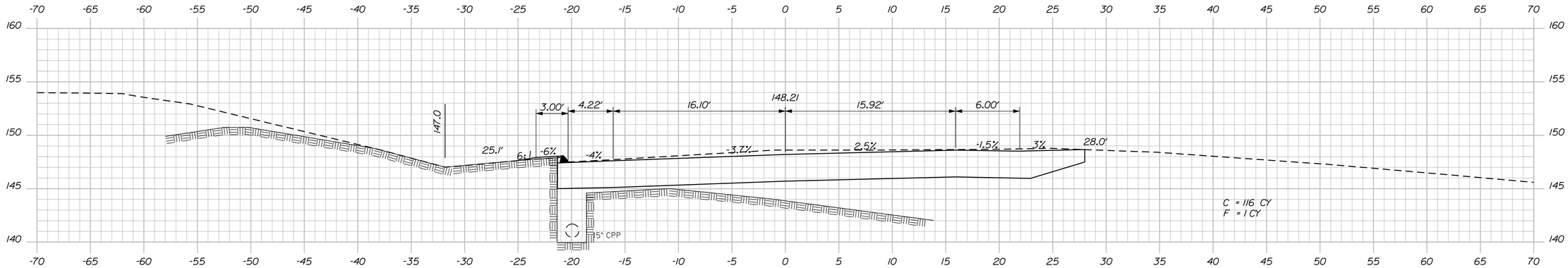
GORHAM
NEW PORTLAND ROAD

CROSS SECTIONS

5+75.00 6+00.00

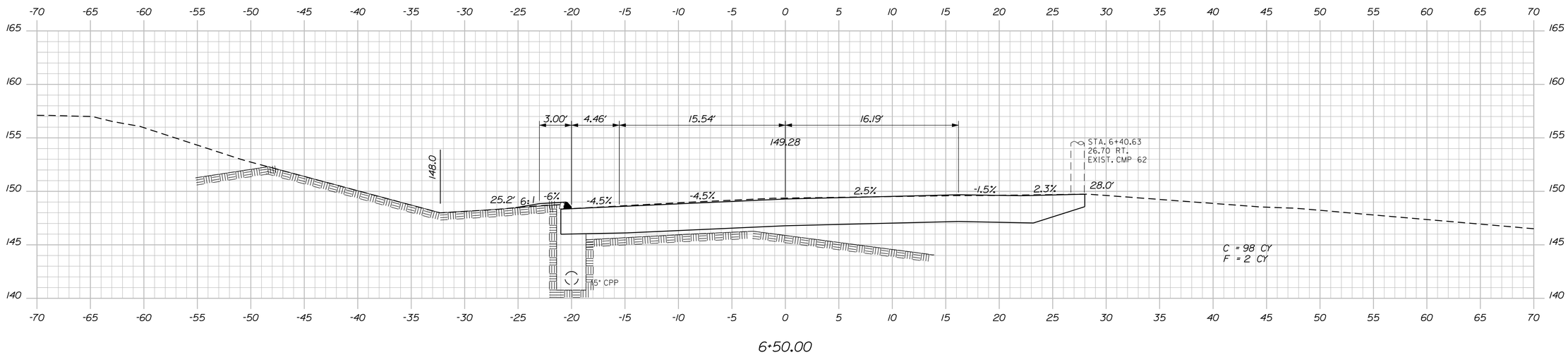
SHEET NUMBER
27
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$

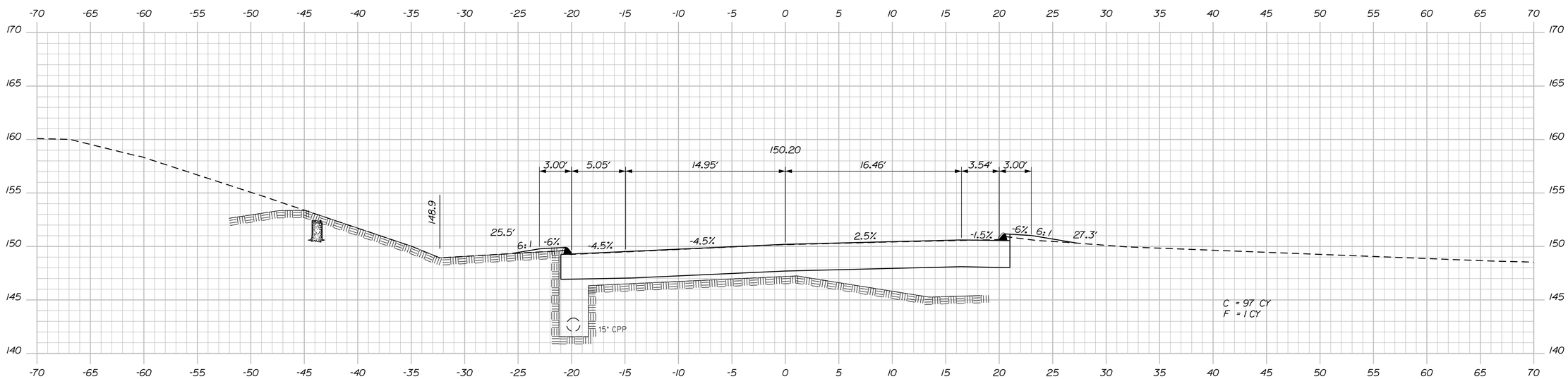


6+75.00

STA. 6+67.3 RT
CONSTRUCT 40' WIDE PAVED COMMERCIAL DRIVE
WITH 40.2' CURB OPENING



6+50.00



6+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
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SIGNATURE
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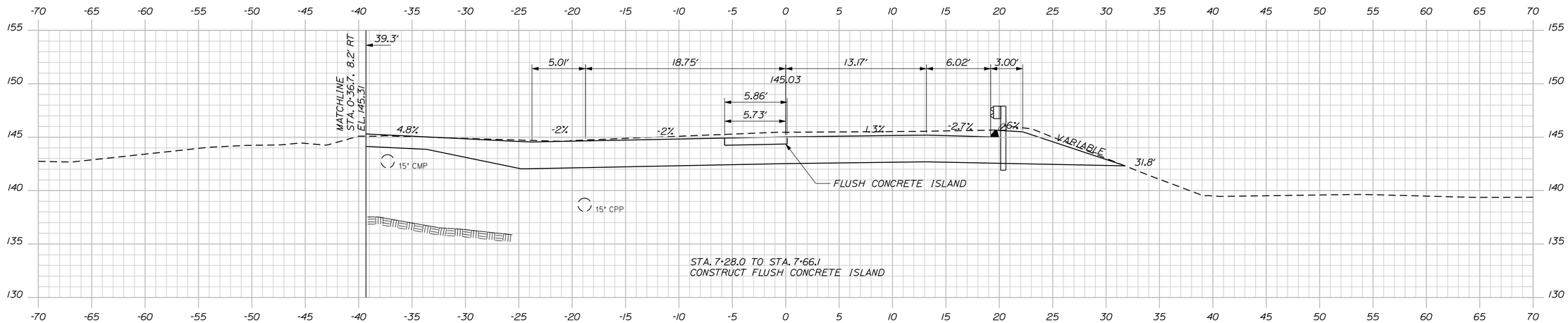
GORHAM
NEW PORTLAND ROAD

6+25.00 CROSS SECTIONS 6+75.00

SHEET NUMBER
28
OF 56

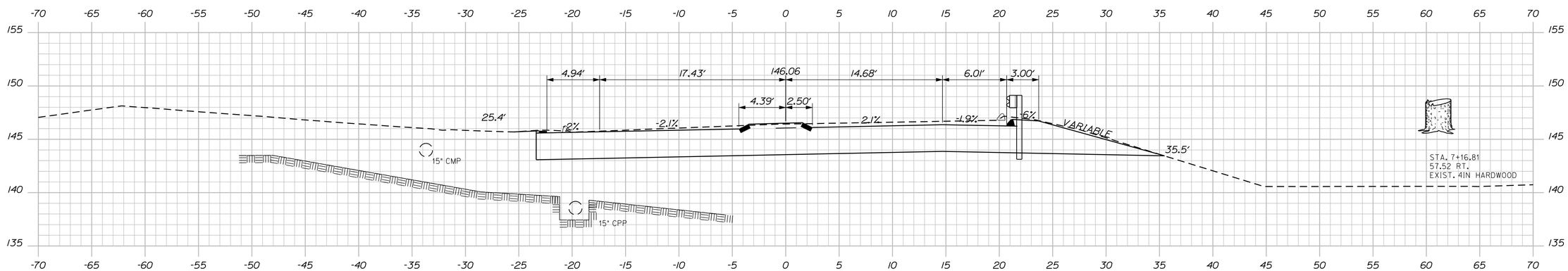
Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



STA. 7+46.25 LT
CONSTRUCT 14' PAVED DRIVE
48' WIDE CURB OPENING

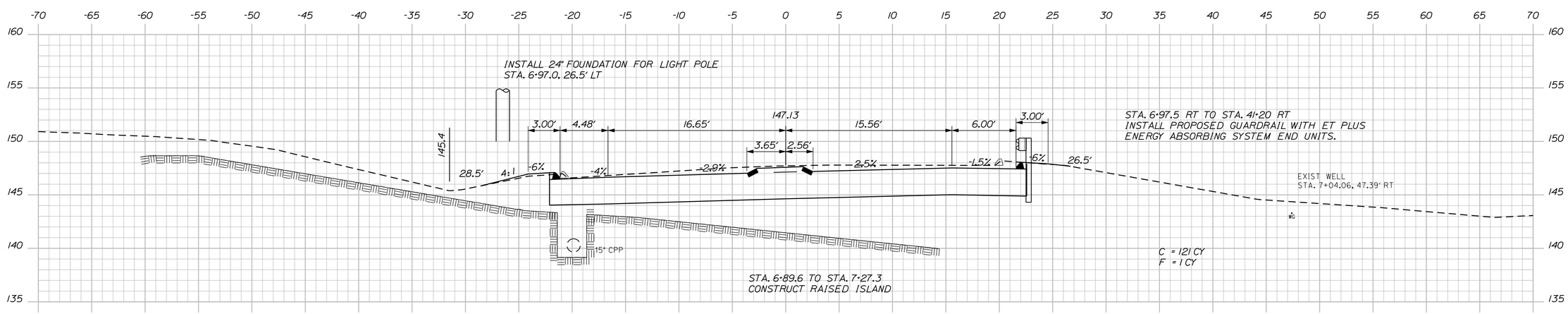
7+50.00

C = 161 CY
F = 0 CY



7+25.00

C = 131 CY
F = 0 CY
G = CY
GN = CY



C = 121 CY
F = 1 CY

7+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	STEVE LANDRY	
DESIGN-DETAILED	JLE	3-11
CHECKED-REVIEWED	ALG	3-11
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
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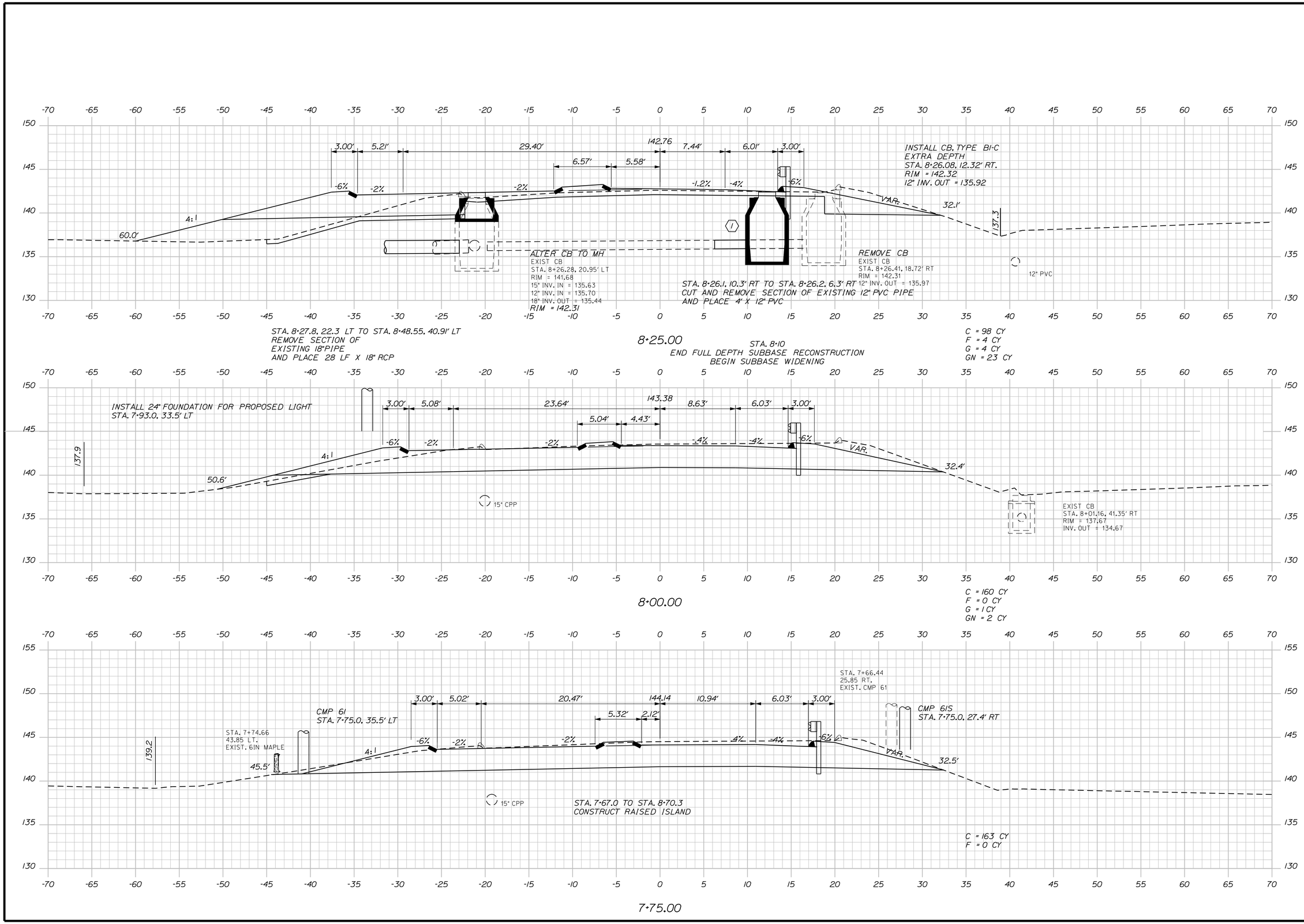
GORHAM
NEW PORTLAND ROAD

7+00.00 CROSS SECTIONS 7+50.00

SHEET NUMBER
29
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
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REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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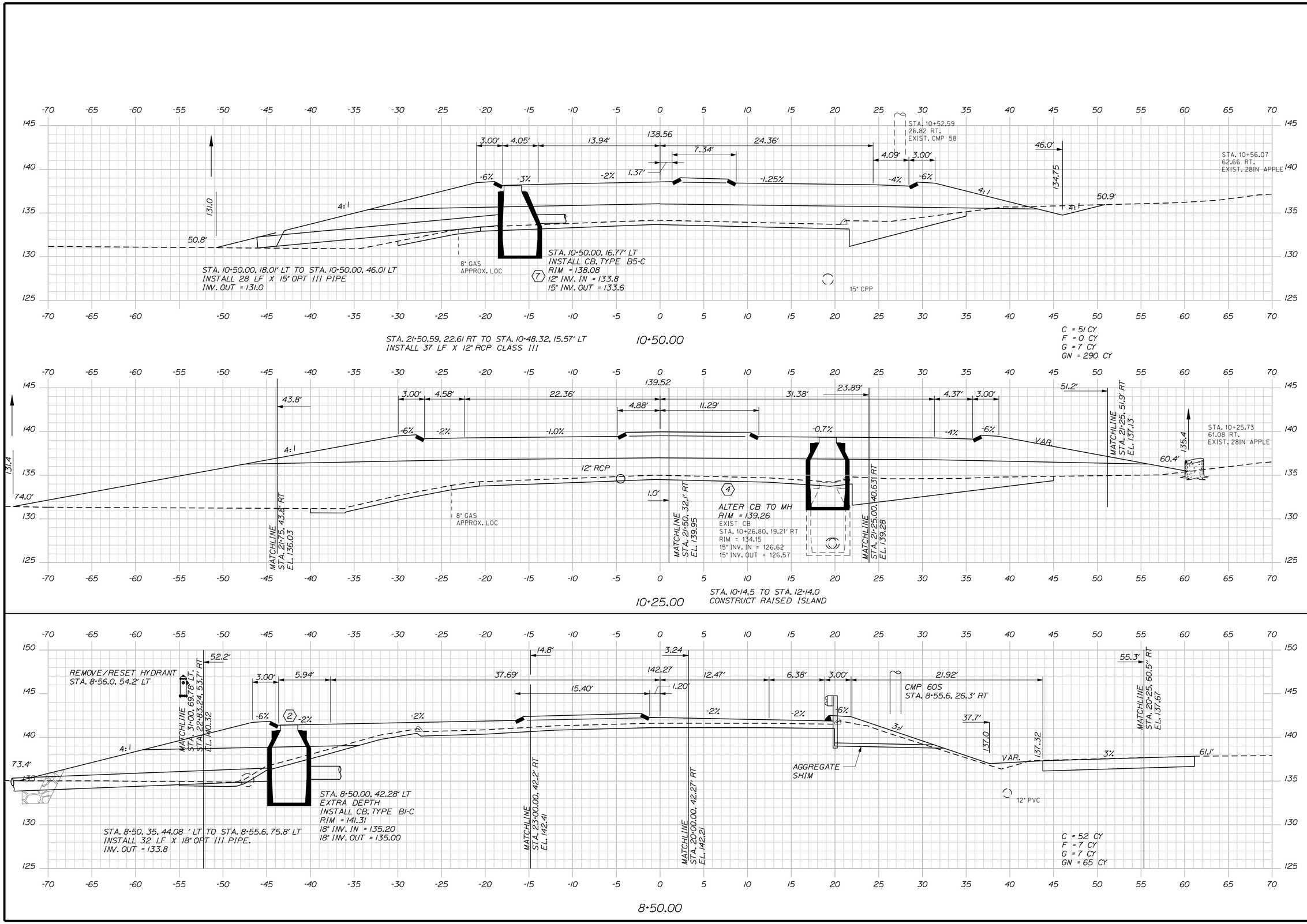
DATE

GORHAM
NEW PORTLAND ROAD

7+75.00 CROSS SECTIONS 8+25.00

SHEET NUMBER
30
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	BY	DATE
CHECKED-REVIEWED	ALG	3-11	3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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APRIL 7, 2011
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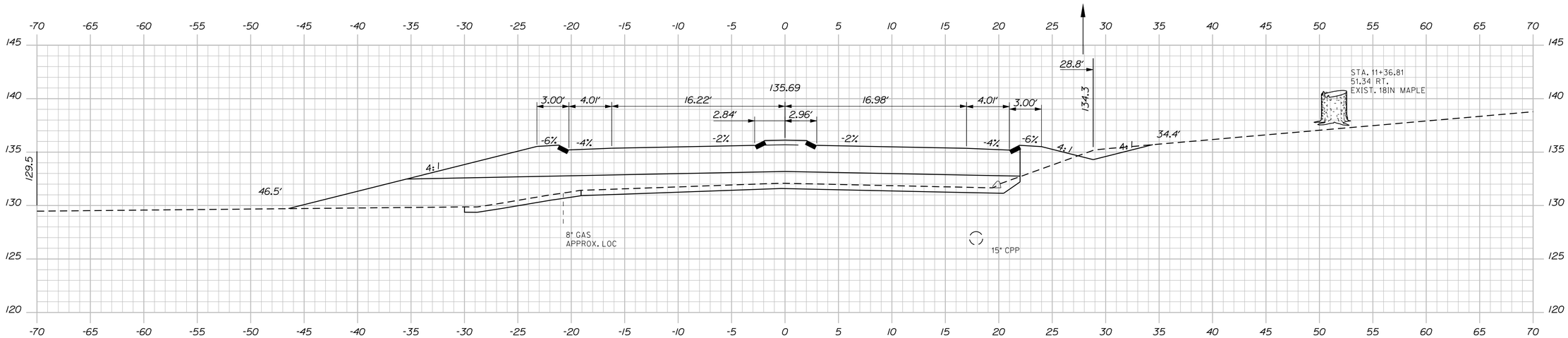
GORHAM
NEW PORTLAND ROAD

8+50.00 CROSS SECTIONS 10+50.00

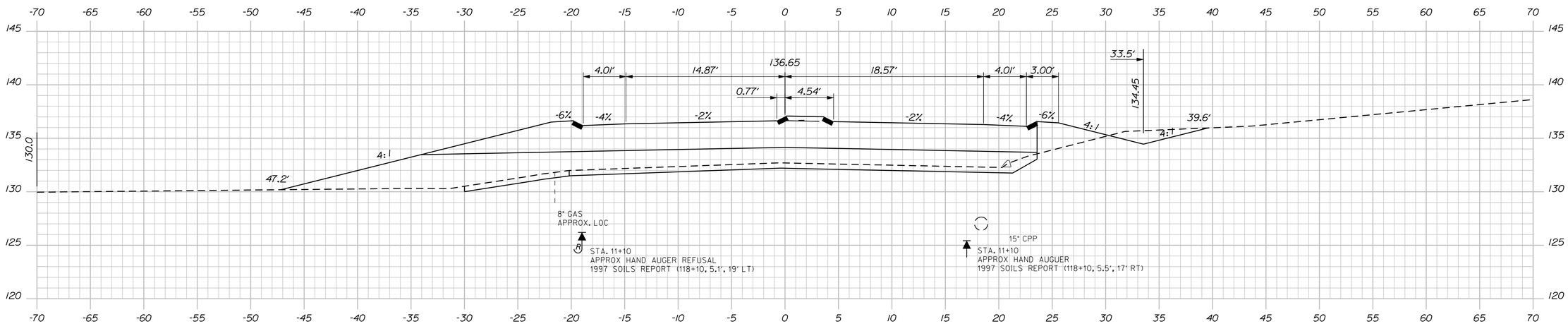
SHEET NUMBER
31
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$



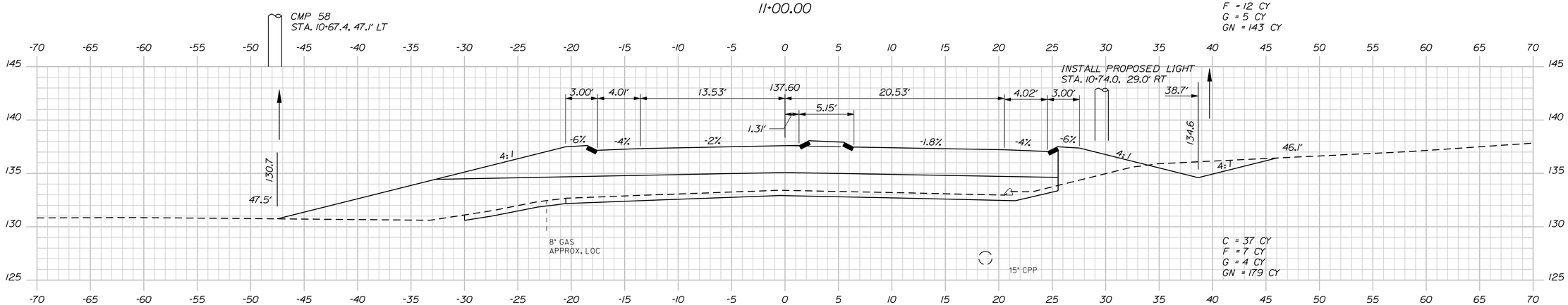
11+25.00

C = 25 CY
F = 9 CY
G = 5 CY
GN = 123 CY



11+00.00

C = 29 CY
F = 12 CY
G = 5 CY
GN = 143 CY



10+75.00

C = 37 CY
F = 7 CY
G = 4 CY
GN = 179 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY		
		BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
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REVISIONS 1			
REVISIONS 2			
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REVISIONS 4			
FIELD CHANGES			

SIGNATURE
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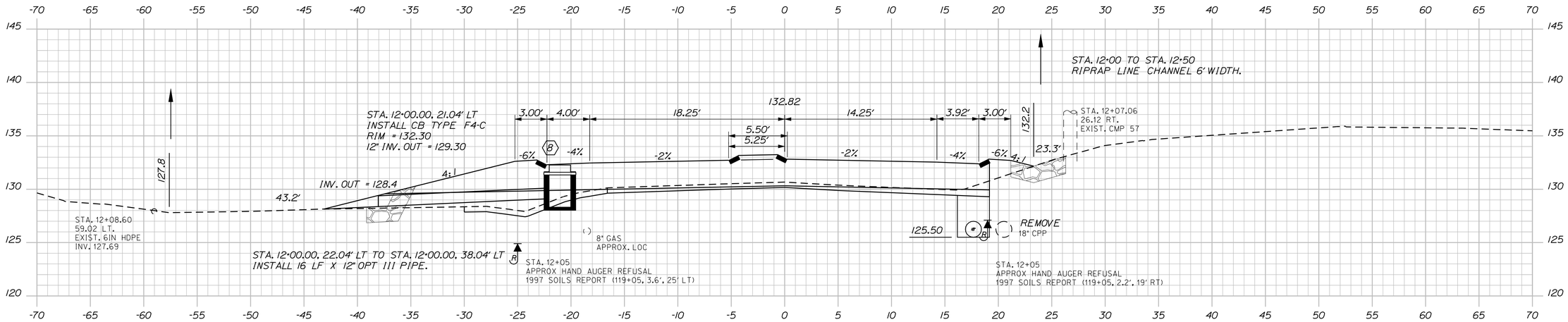
GORHAM
NEW PORTLAND ROAD

10+75.00 CROSS SECTIONS 11+25.00

SHEET NUMBER
32
OF 56

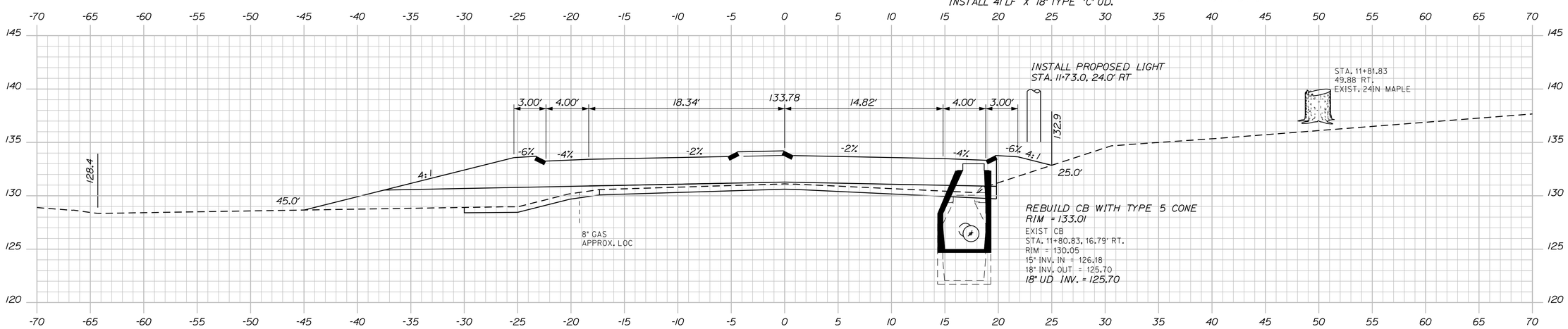
Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$



12+00.00

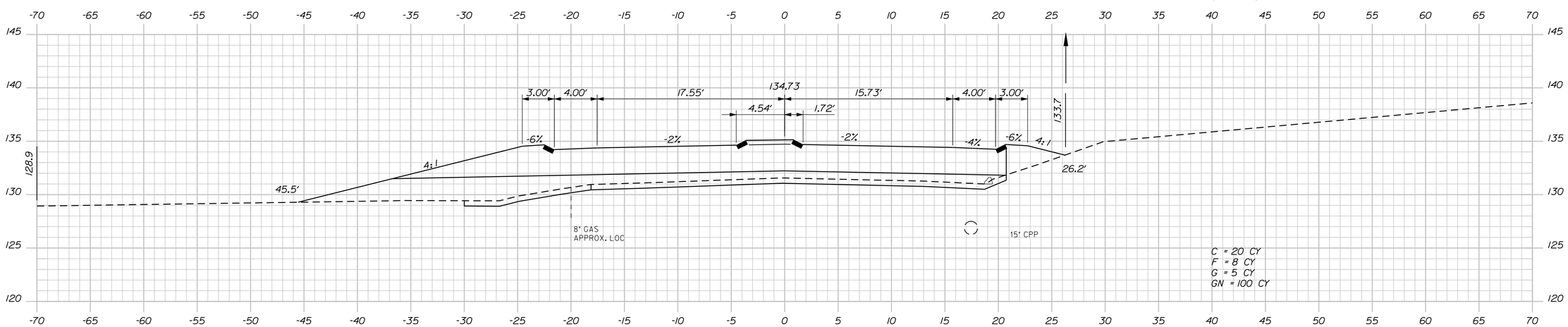
STA. 11+82.8, 16.79' RT TO STA. 12+23.00, 16.96' RT
REMOVE EXIST 18" CPP AND
INSTALL 41 LF X 18" TYPE 'C' UD.

C = 18 CY
F = 6 CY
G = 6 CY
GN = 54 CY



11+75.00

C = 18 CY
F = 7 CY
G = 6 CY
GN = 77 CY



C = 20 CY
F = 8 CY
G = 5 CY
GN = 100 CY

11+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
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SIGNATURE
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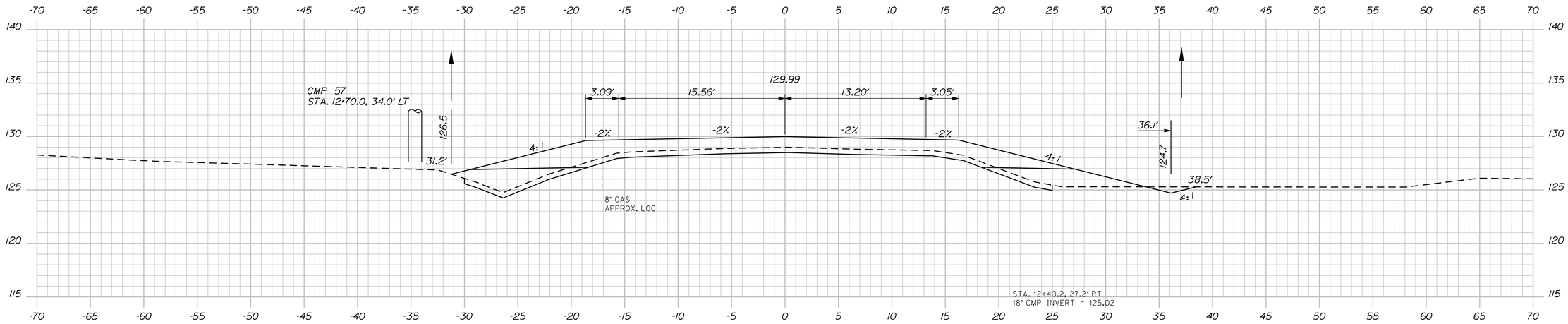
GORHAM
NEW PORTLAND ROAD

11+50.00 CROSS SECTIONS 12+00.00

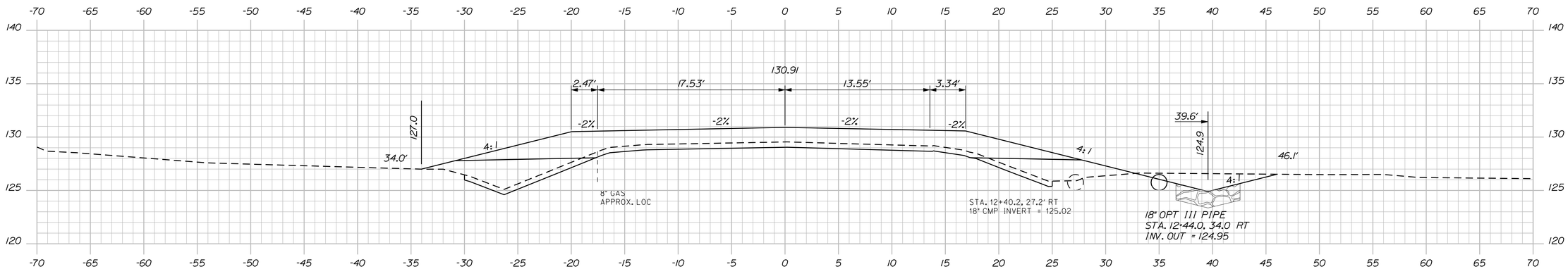
SHEET NUMBER
33
OF 56

Division: $wkgroup$ Username: $user$ Date:$date$
Filename: $file$



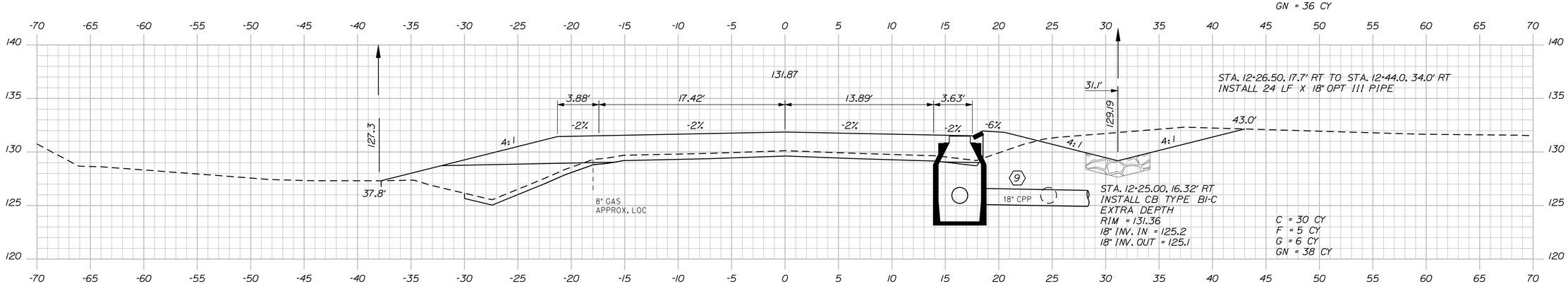
12+75.00

C = 23 CY
F = 0 CY
G = 8 CY
GN = 34 CY



12+50.00

C = 35 CY
F = 3 CY
G = 7 CY
GN = 36 CY



12+25.00

C = 30 CY
F = 5 CY
G = 6 CY
GN = 38 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	STEVE LANDRY	
DESIGN-DETAILED	JLE	3-11
CHECKED-REVIEWED	ALG	3-11
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE
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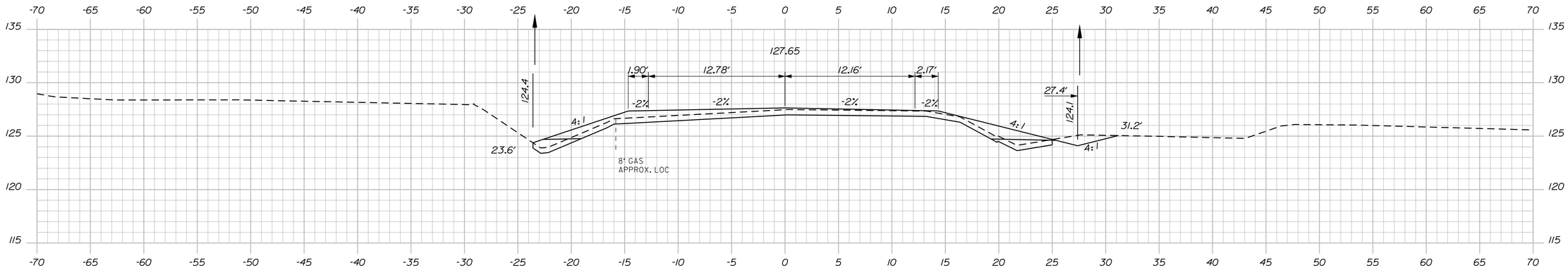
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD

12+25.00 CROSS SECTIONS 12+75.00

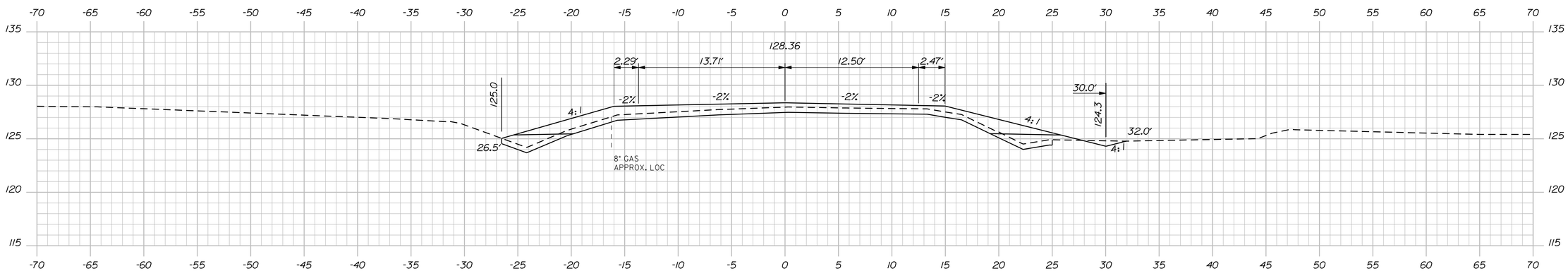
SHEET NUMBER
34
OF 56

Date:$date$
Username: $user$
Division: $wkgroup$
Filename: $file$



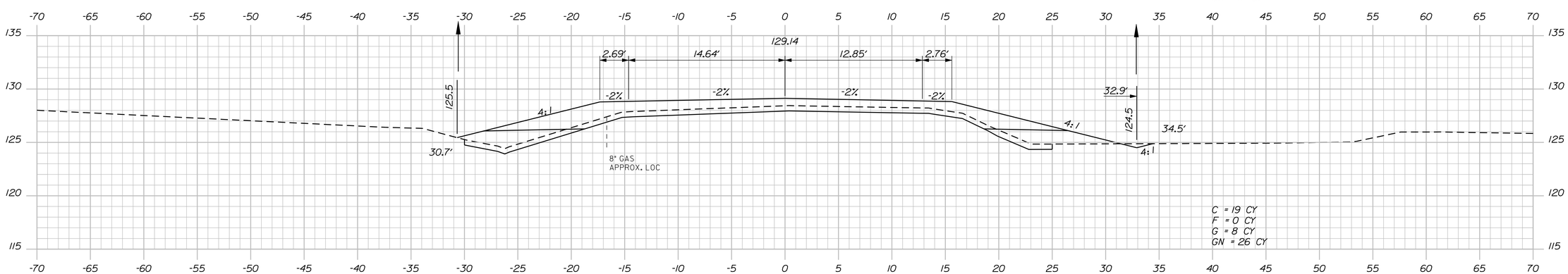
13+50.00

C = 20 CY
F = 0 CY
G = 5 CY
GN = 8 CY



13+25.00

C = 19 CY
F = 0 CY
G = 7 CY
GN = 17 CY



13+00.00

C = 19 CY
F = 0 CY
G = 8 CY
GN = 26 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

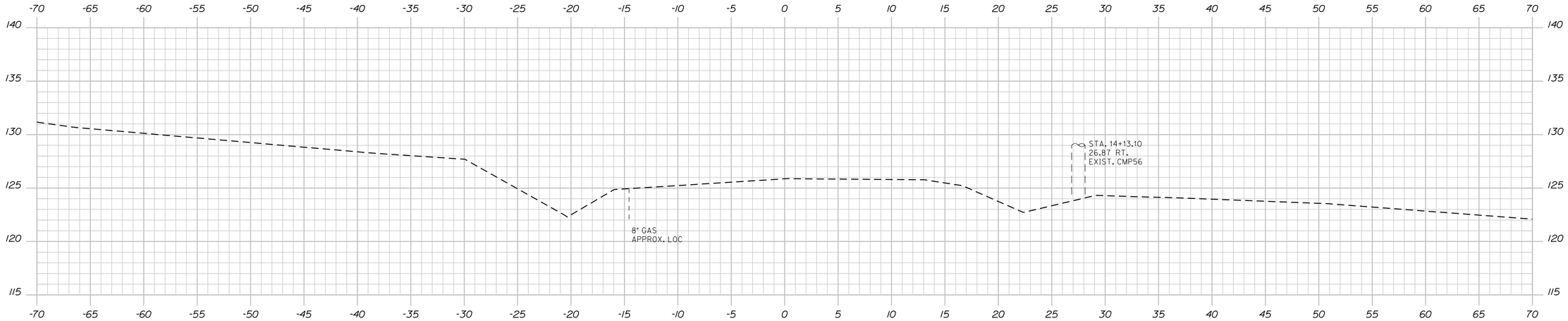
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD

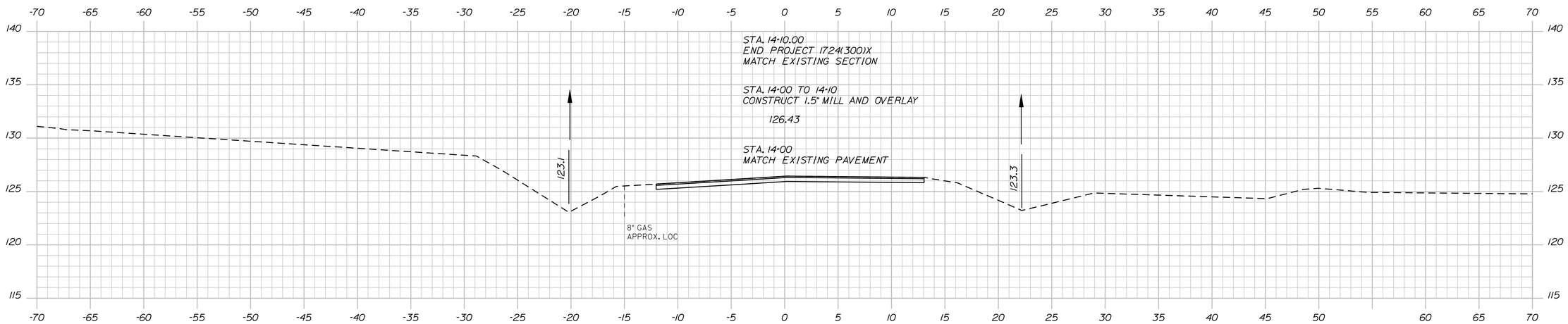
13+00.00 CROSS SECTIONS 13+50.00

SHEET NUMBER
35
OF 56

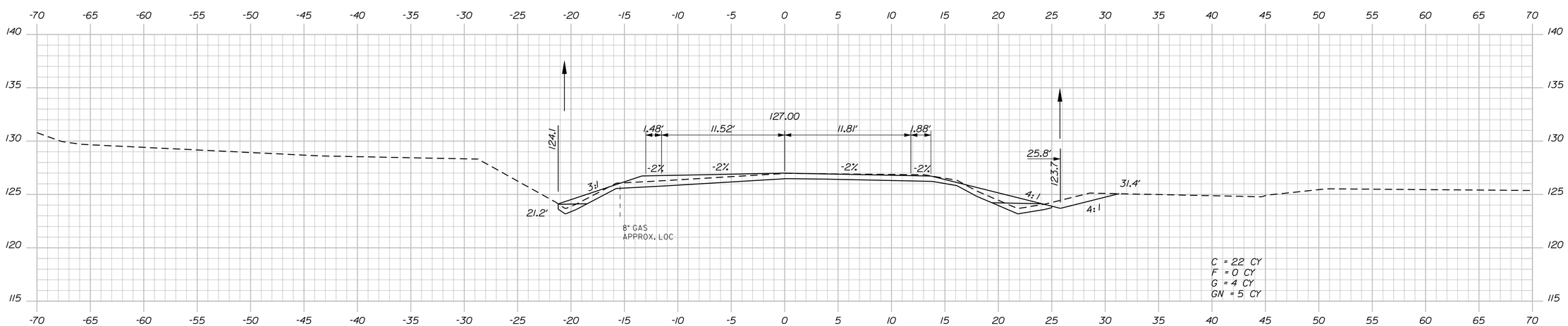
Date:$date$
Username: $user$
Division: $wkgroup$
Filename: $file$



14+25.00



14+00.00



13+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

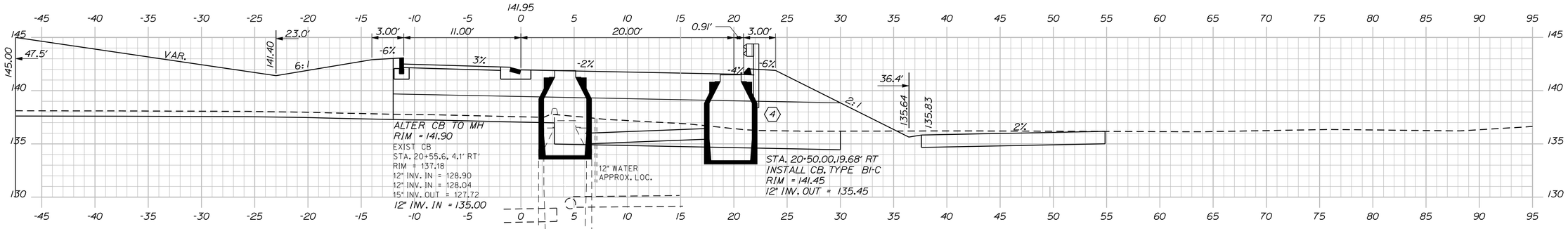
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
NEW PORTLAND ROAD

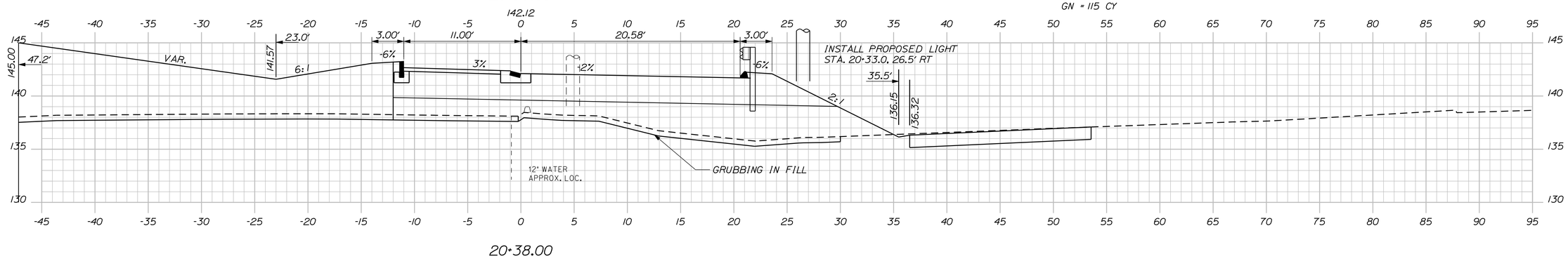
13+75.00 CROSS SECTIONS 14+25.00

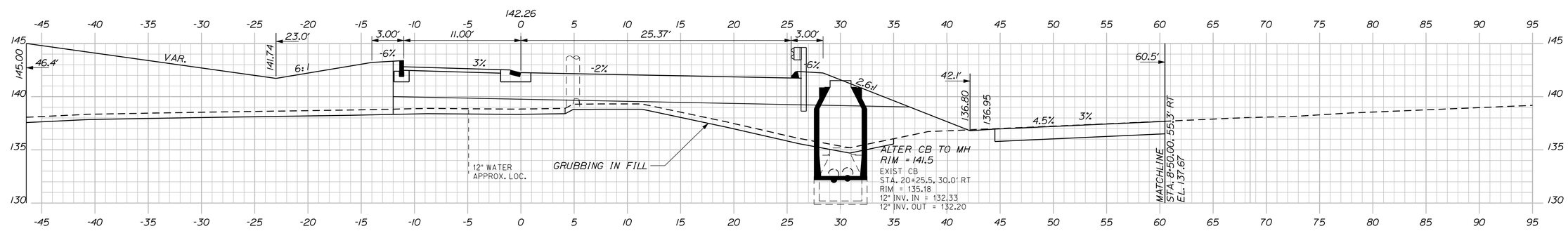
SHEET NUMBER
36
OF 56

Division: $wkgroup$ Username: $user$ Date:$date$
Filename: $file$

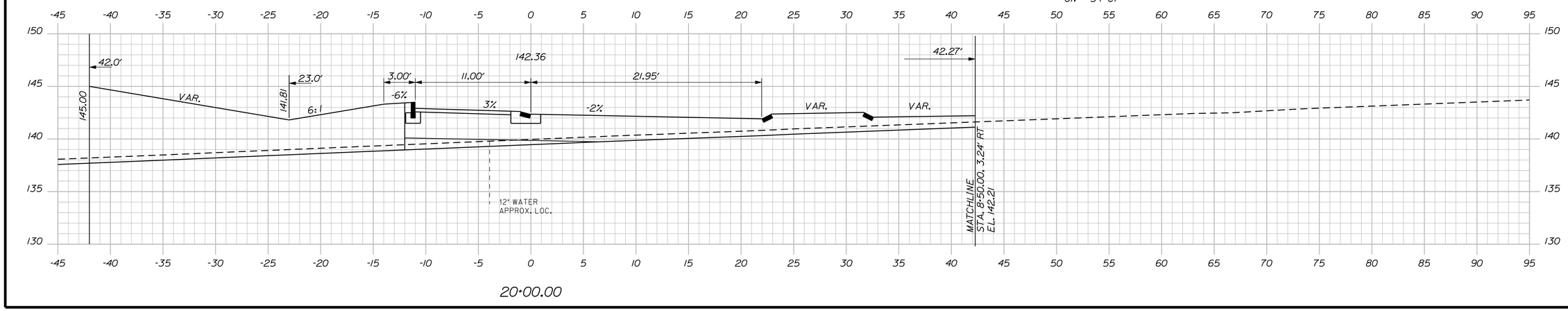


C = 35 CY
F = 85 CY
G = 11 CY
GN = 115 CY





C = 33 CY
F = 74 CY
G = 7 CY
GN = 54 CY



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

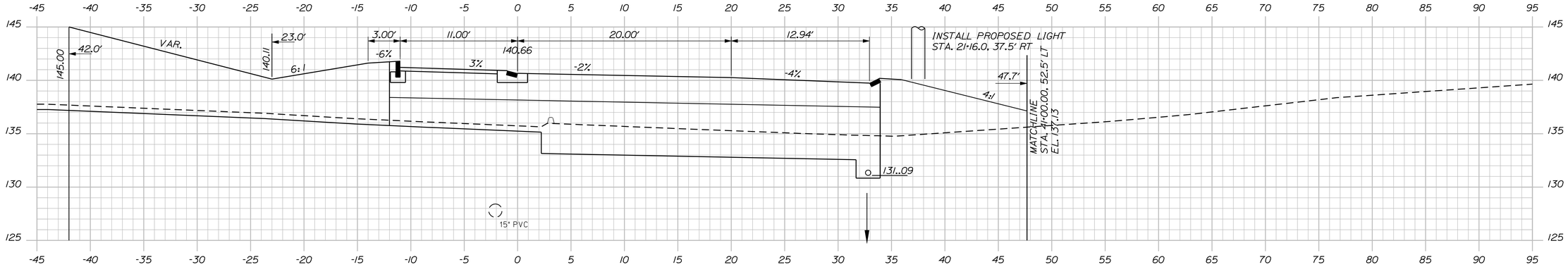
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
ROUNDABOUT

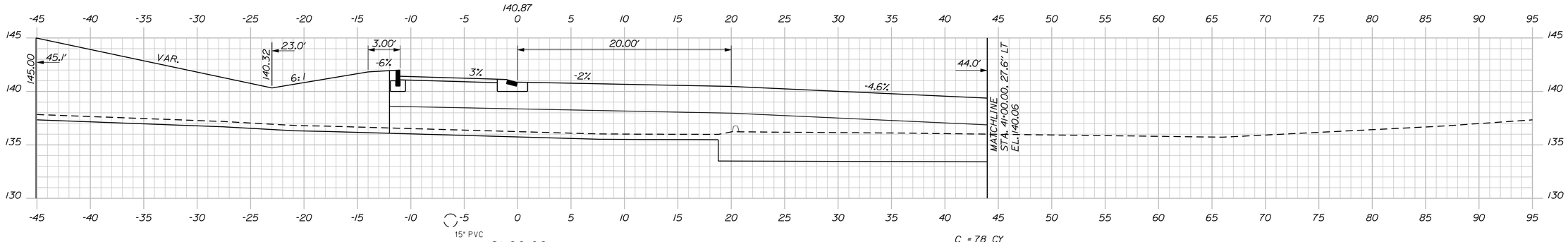
20+00.00 CROSS SECTIONS 20+38.00

SHEET NUMBER
37
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$

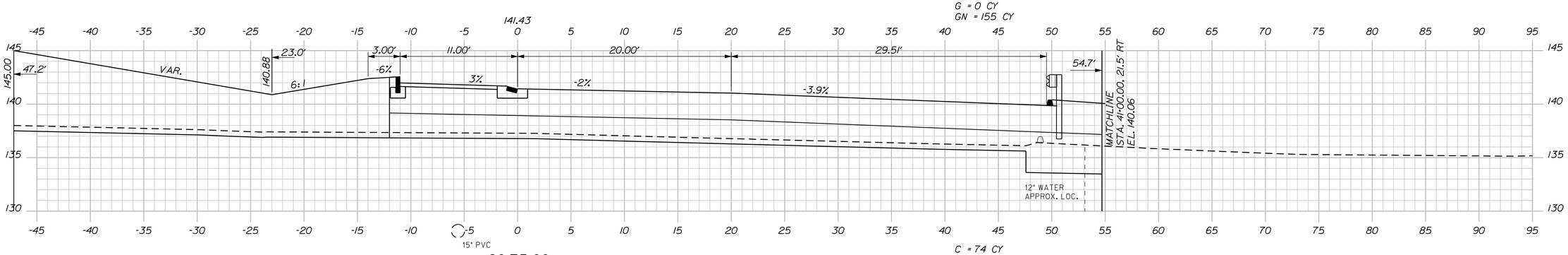


21+13.13



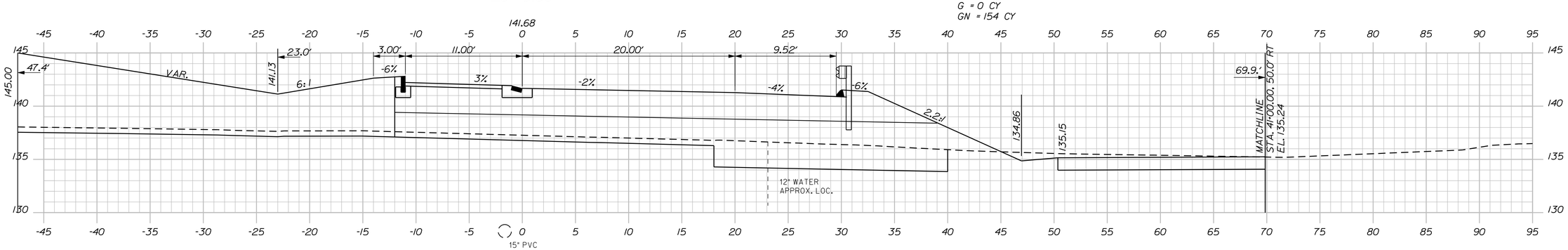
21+00.00

C = 78 CY
F = 86 CY
G = 0 CY
GN = 155 CY



20+75.00

C = 74 CY
F = 89 CY
G = 0 CY
GN = 154 CY



20+63.94

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG	ALG	3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

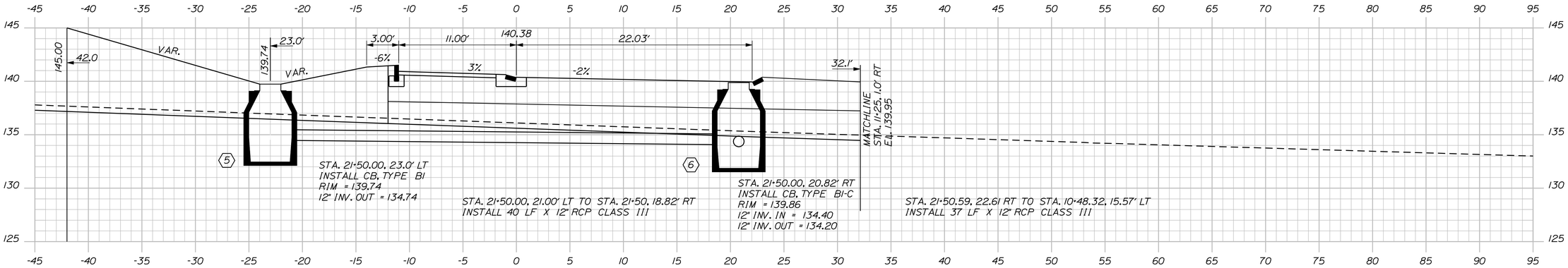
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
ROUNDABOUT

21+13.13
CROSS SECTIONS
20+63.94

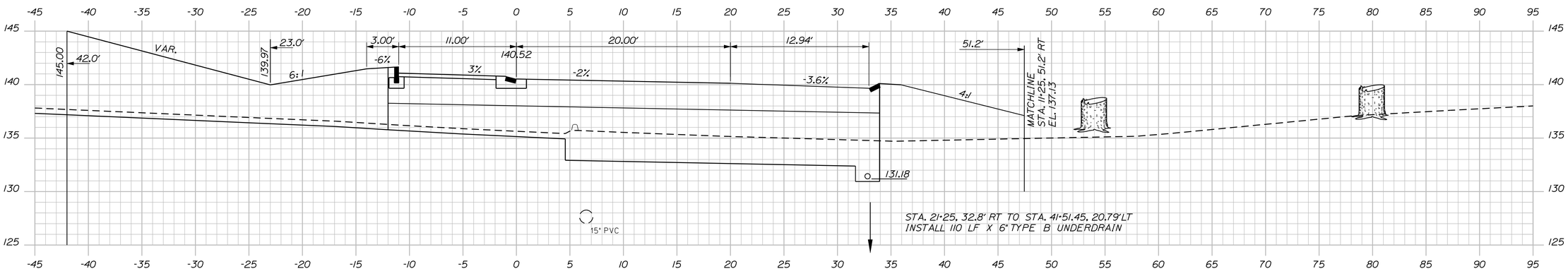
SHEET NUMBER
38
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



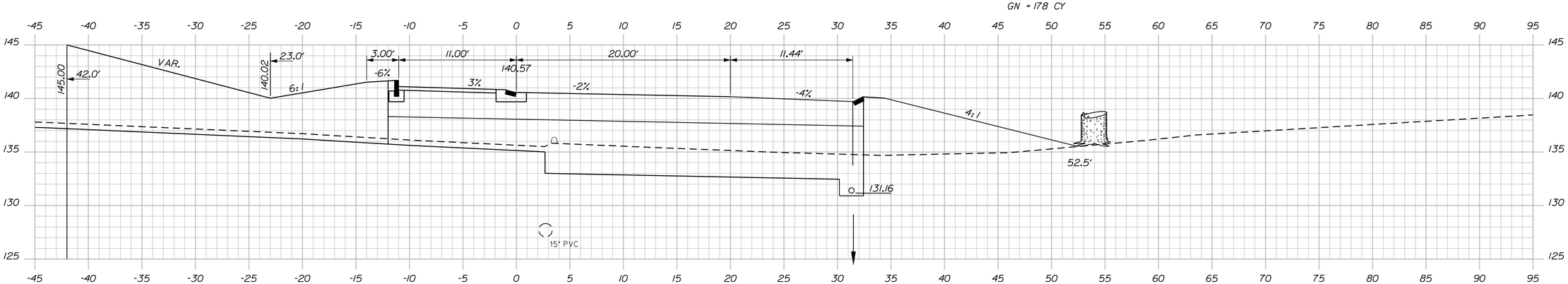
21+50.00

C = 63 CY
F = 85 CY
G = 0 CY
GN = 139 CY



21+25.00

C = 93 CY
F = 96 CY
G = 0 CY
GN = 178 CY



21+20.88

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

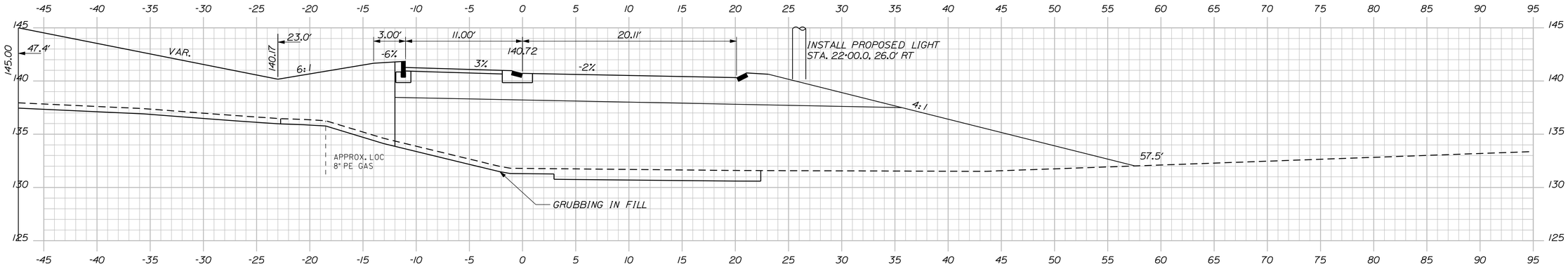
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
ROUNDABOUT

21+20.88 CROSS SECTIONS 21+50.00

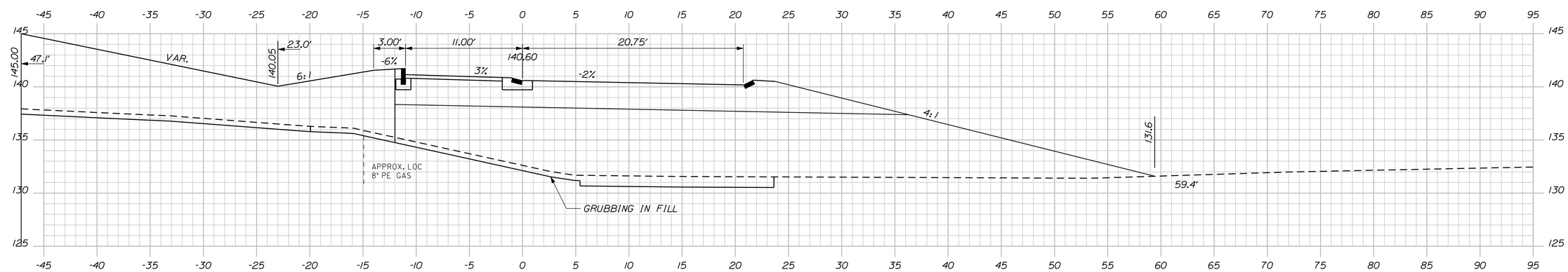
SHEET NUMBER
39
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$

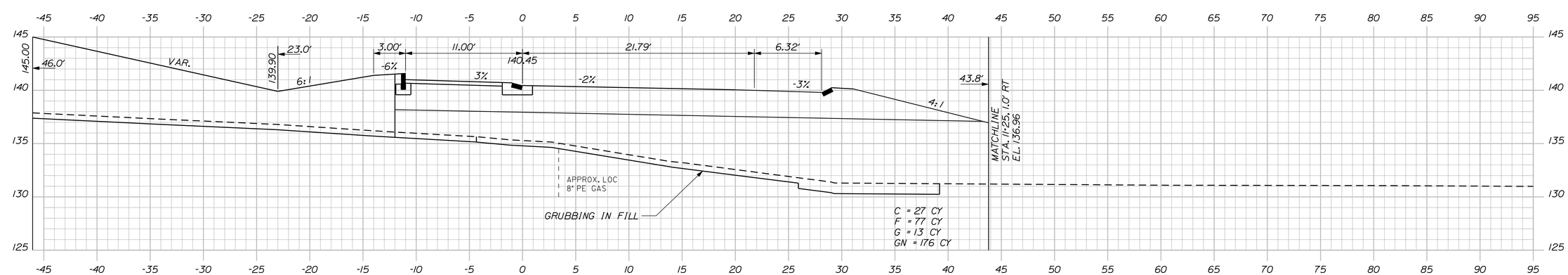


22+00.00

C = 15 CY
F = 90 CY
G = 28 CY
GN = 310 CY



21+91.22



C = 27 CY
F = 77 CY
G = 13 CY
GN = 176 CY

21+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	AJG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

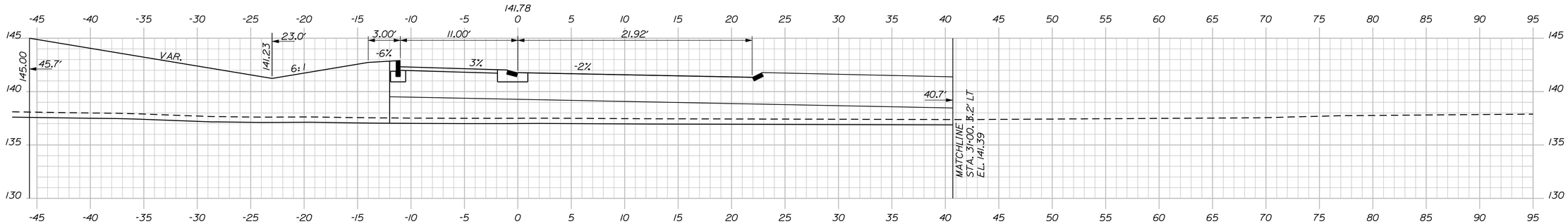
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
ROUNDABOUT

21+75.00 CROSS SECTIONS 22+00.00

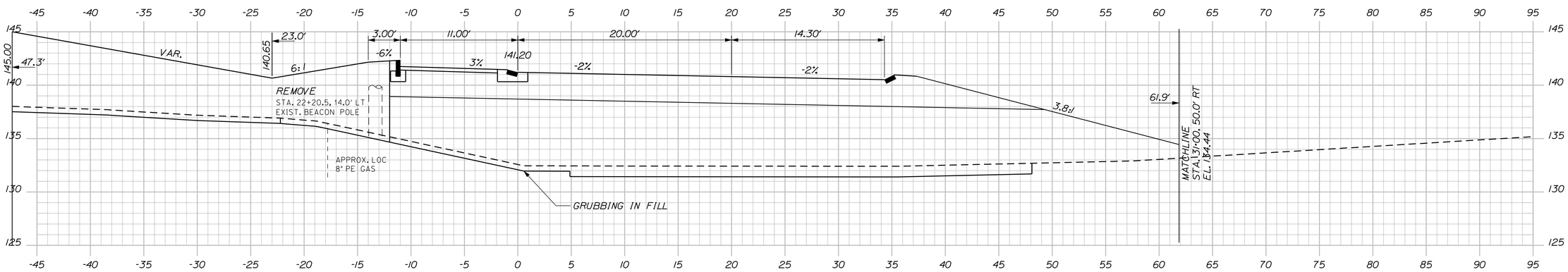
SHEET NUMBER
40
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



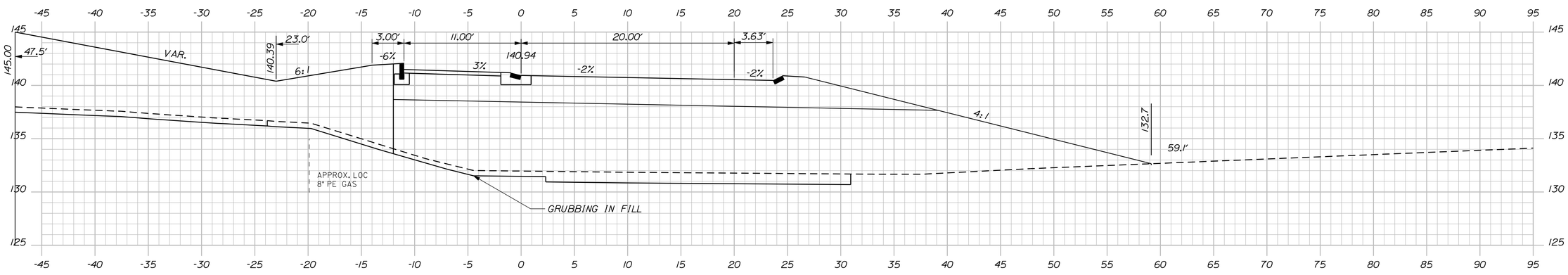
22+50.00

C = 26 CY
F = 91 CY
G = 26 CY
GN = 249 CY



22+25.00

C = 11 CY
F = 96 CY
G = 40 CY
GN = 373 CY



22+12.50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

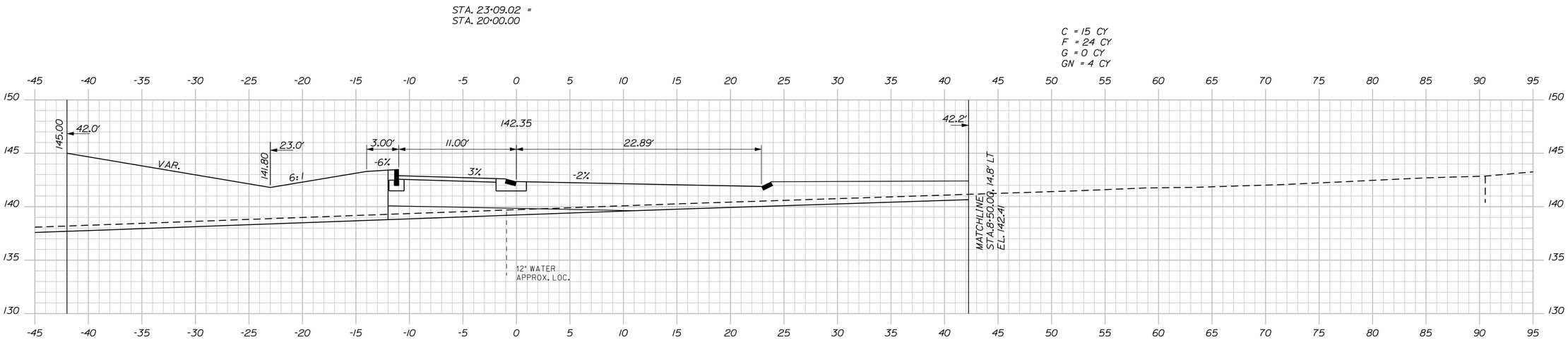
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
ROUNDABOUT

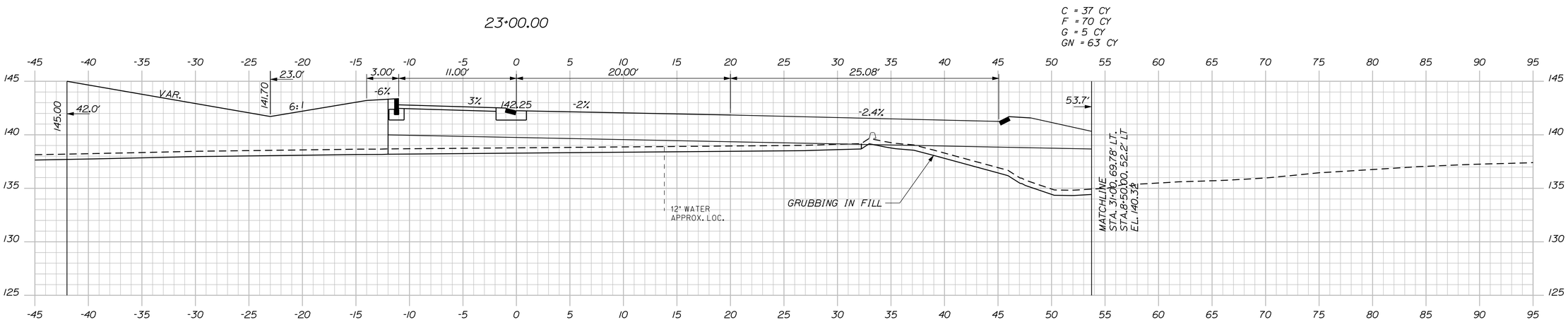
22+50.00 CROSS SECTIONS 22+12.50

SHEET NUMBER
41
OF 56

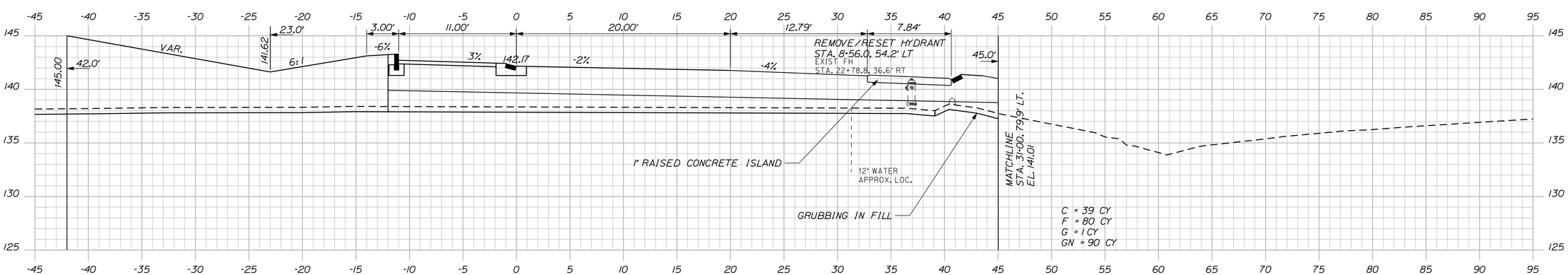
Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$



23+00.00



22+83.24



22+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

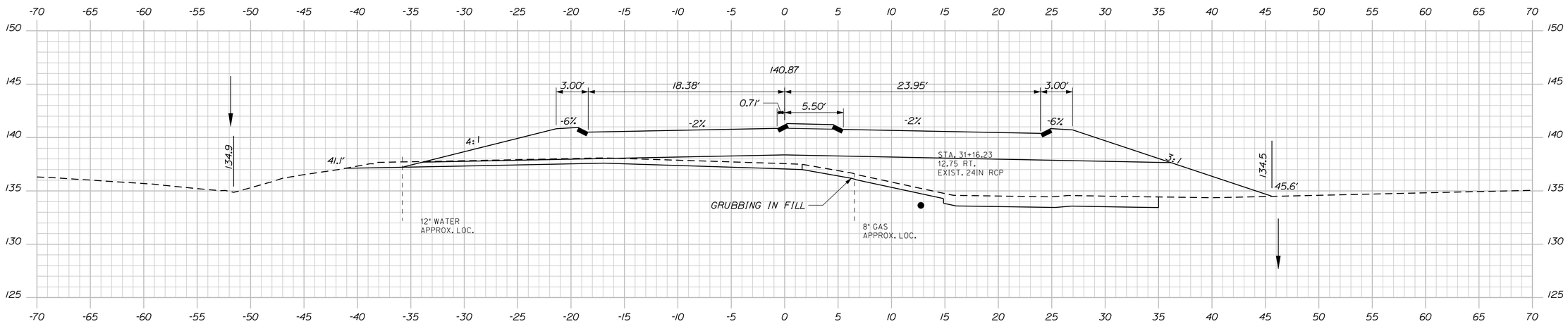
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
ROUNDABOUT

22+75.00 CROSS SECTIONS 23+00.00

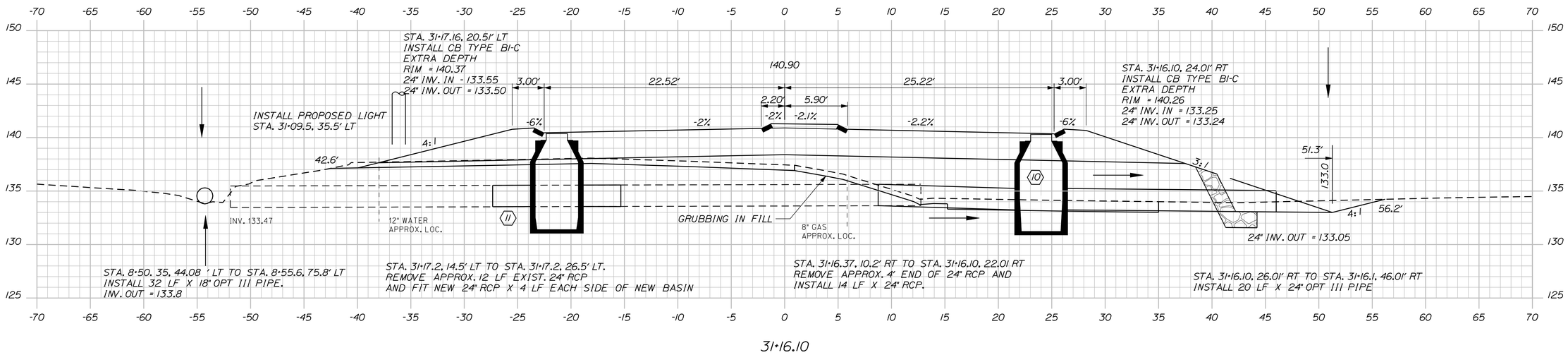
SHEET NUMBER
42
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$

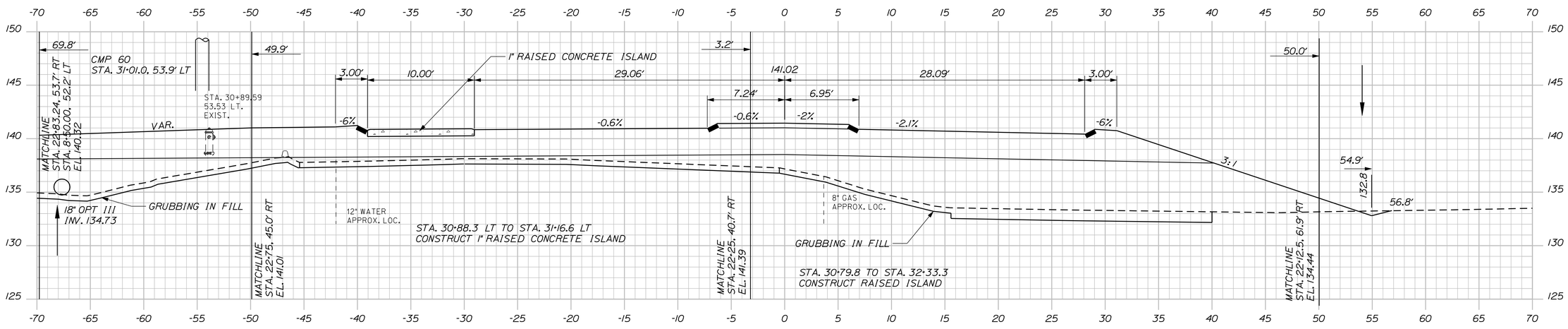


31+25.00

C = 22 CY
F = 0 CY
G = 30 CY
CN = 207 CY



31+16.10



31+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

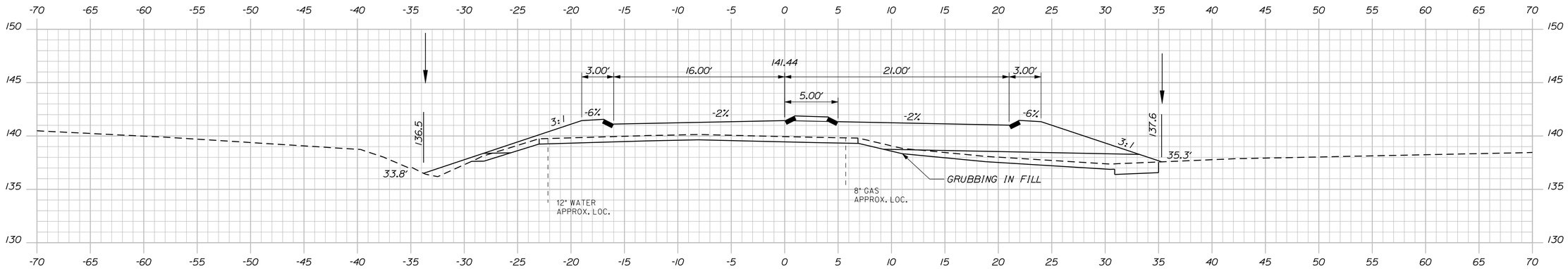
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
LIBBY AVENUE

31+00.00 CROSS SECTIONS 31+25.00

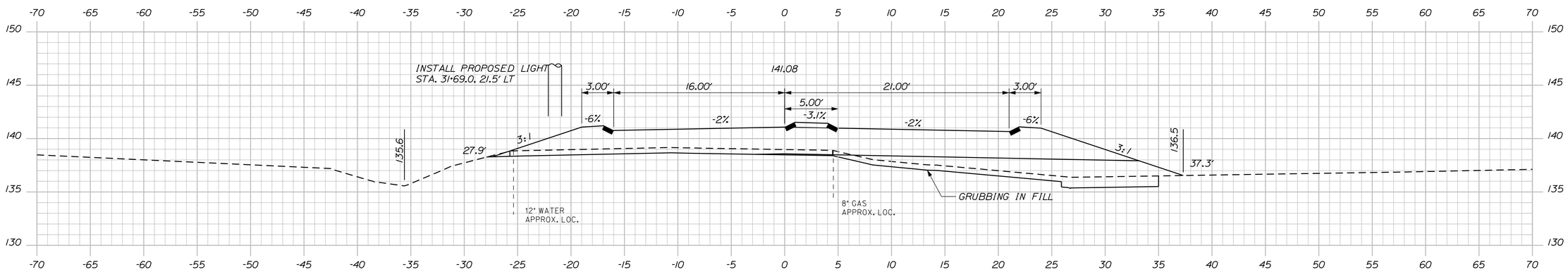
SHEET NUMBER
43
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



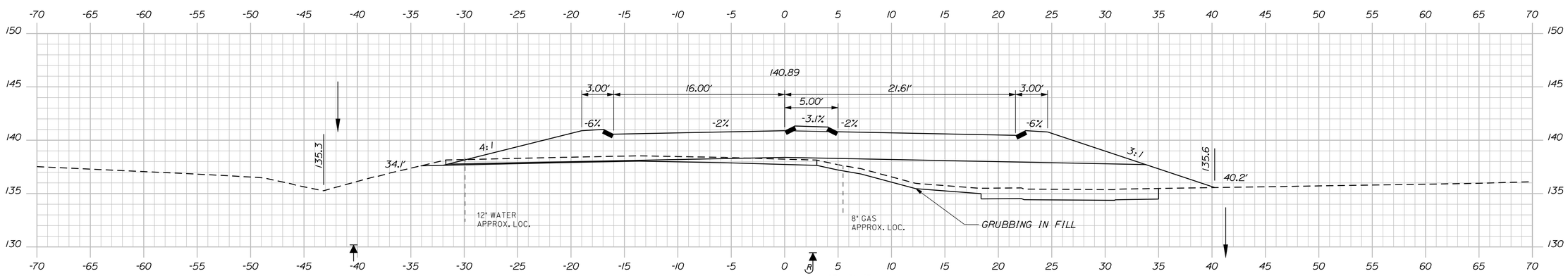
32+00.00

C = 14 CY
F = 0 CY
G = 18 CY
CN = 36 CY



31+75.00

C = 18 CY
F = 0 CY
G = 21 CY
CN = 69 CY



STA. 31+43
APPROX HAND AUGER
1997 SOILS REPORT (11+27, 5.4', 24' LT)

31+50.00

STA. 31+43
APPROX HAND AUGER REFUSAL
1997 SOILS REPORT (11+27, 6.5', 19' RT)

C = 20 CY
F = 0 CY
G = 24 CY
CN = 120 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

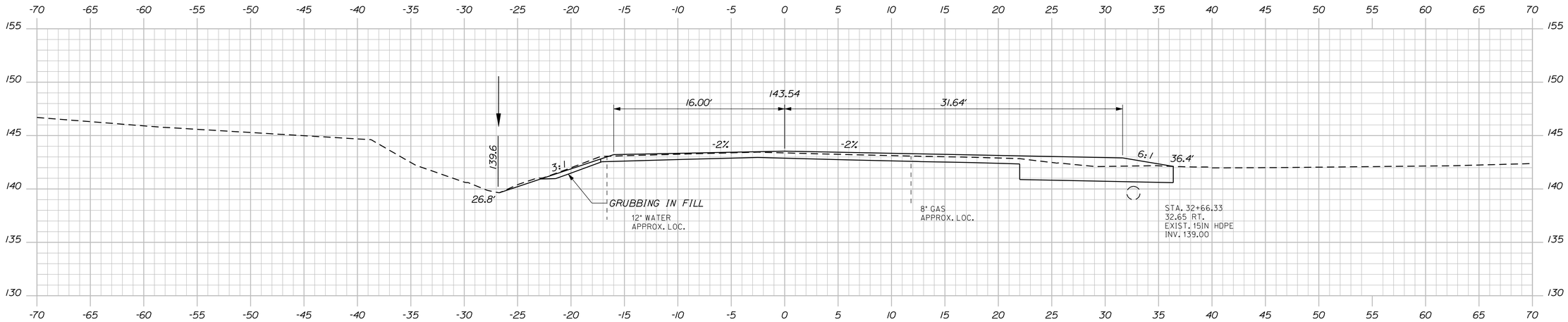
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
LIBBY AVENUE

31+50.00 CROSS SECTIONS 32+00.00

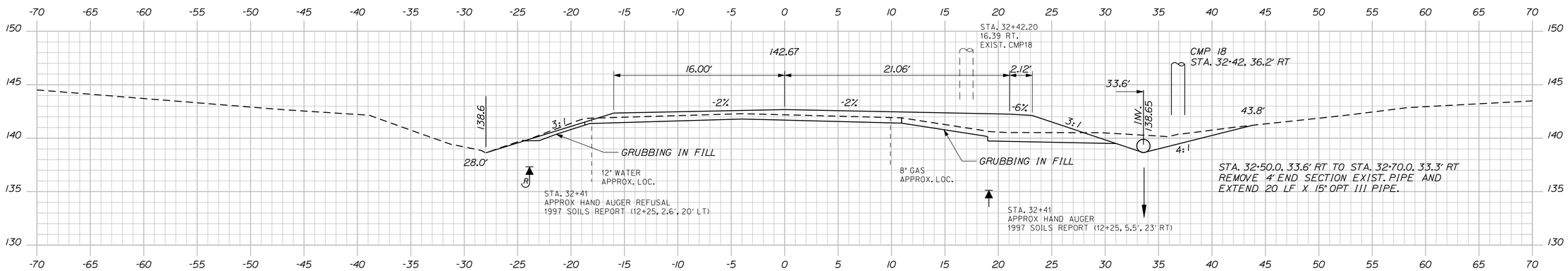
SHEET NUMBER
44
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



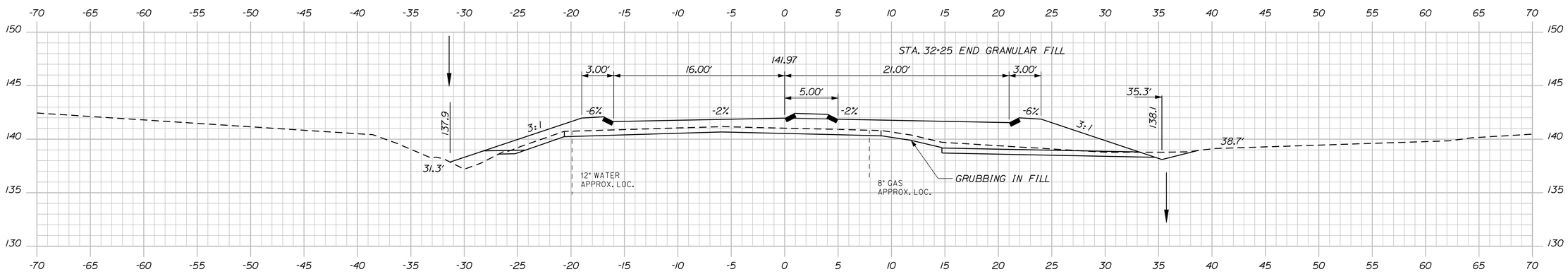
32+75.00

C = 36 CY
F = 0 CY
G = 4 CY



32+50.00

C = 30 CY
F = 1 CY
G = 6 CY



32+25.00

C = 20 CY
F = 1 CY
G = 11 CY
CN = 16 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

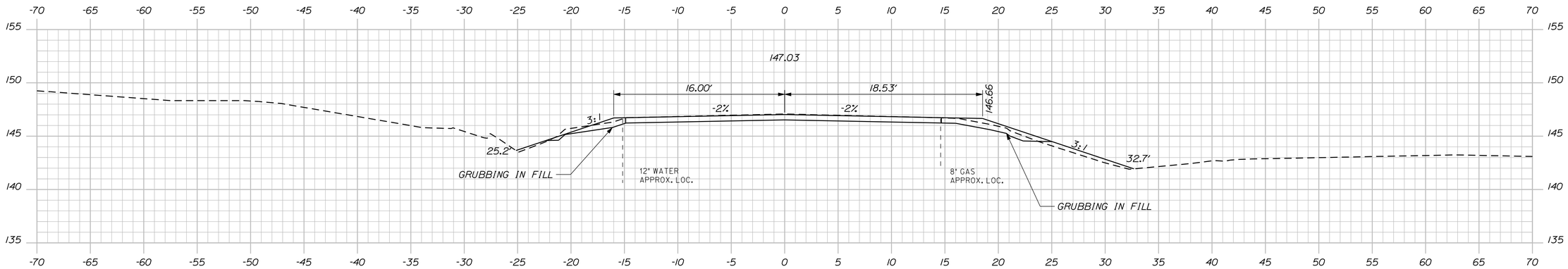
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
LIBBY AVENUE

32+25.00 CROSS SECTIONS 32+75.00

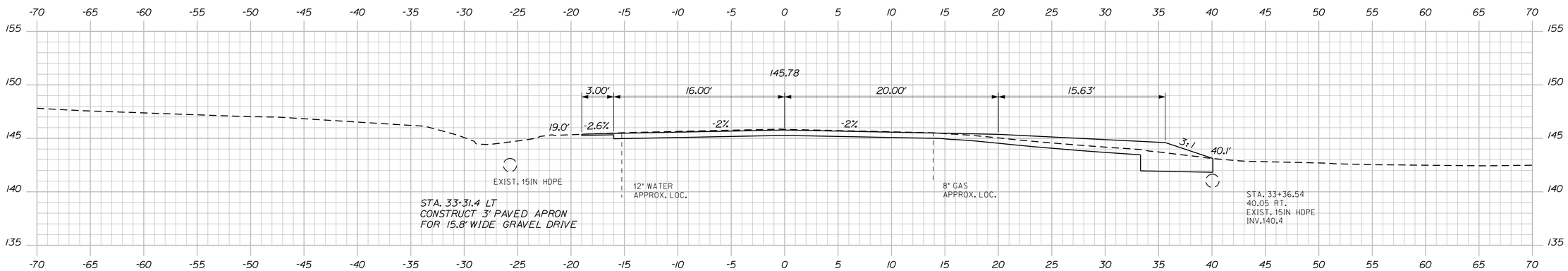
SHEET NUMBER
45
OF 56

Date: $date$
Username: $user$
Division: $wkgroup$
Filename: $file$



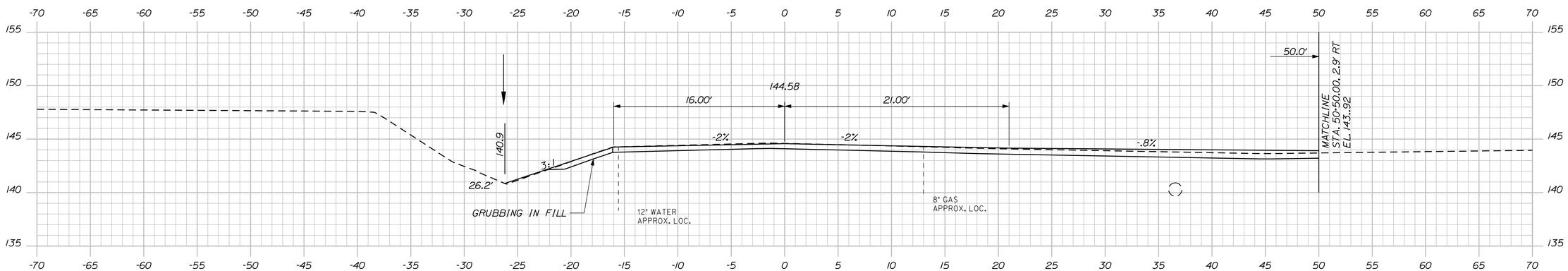
33+50.00

C = 25 CY
F = 1 CY
G = 2 CY



33+25.00

C = 31 CY
F = 0 CY
G = 2 CY



33+00.00

C = 33 CY
F = 0 CY
G = 3 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	STEVE LANDRY	
DESIGN-DETAILED	JLE	3-11
CHECKED-REVIEWED	ALG	3-11
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

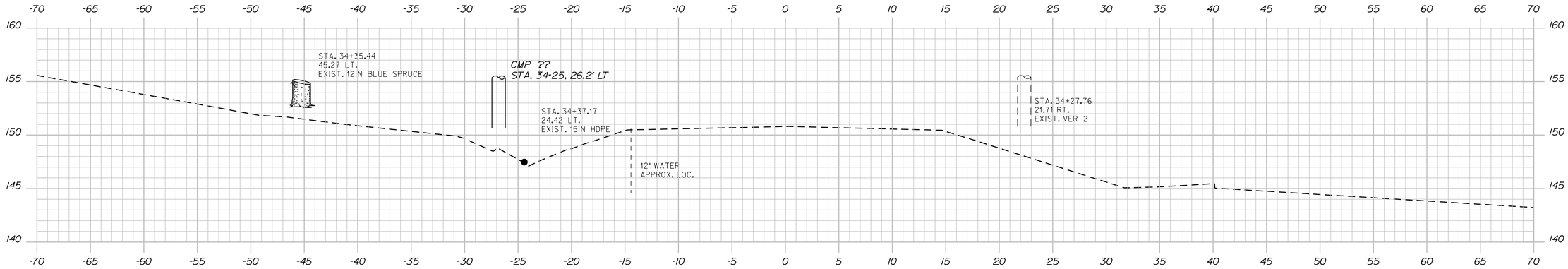
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
LIBBY AVENUE

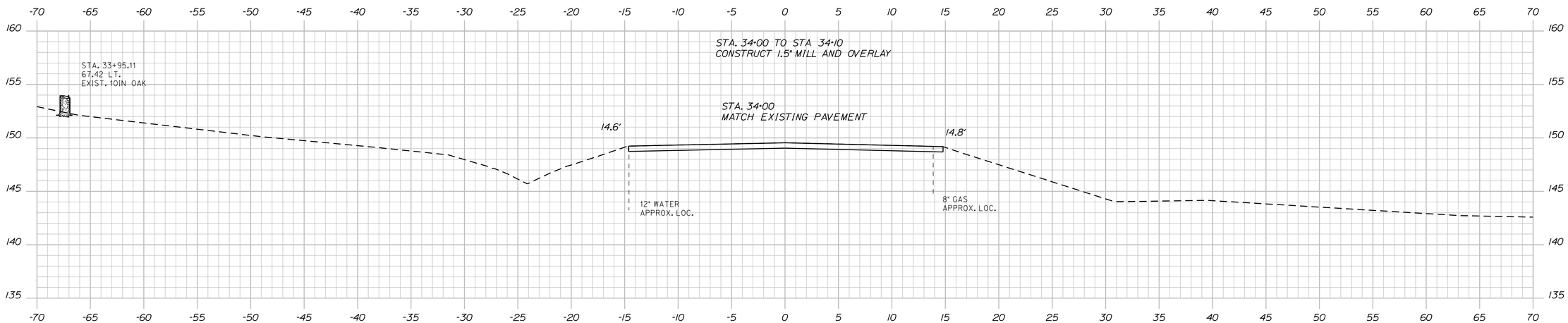
CROSS SECTIONS 33+50.00 33+00.00

SHEET NUMBER
46
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date: $date$

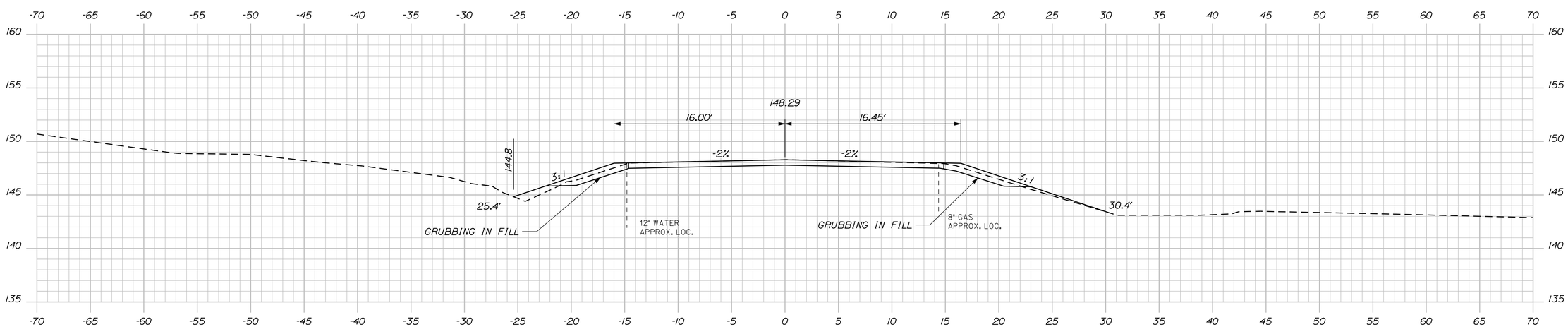


34+25.00



34+00.00

C = 14 CY
F = 1 CY
G = 3 CY



33+75.00

C = 14CY
F = 3 CY
G = 6 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

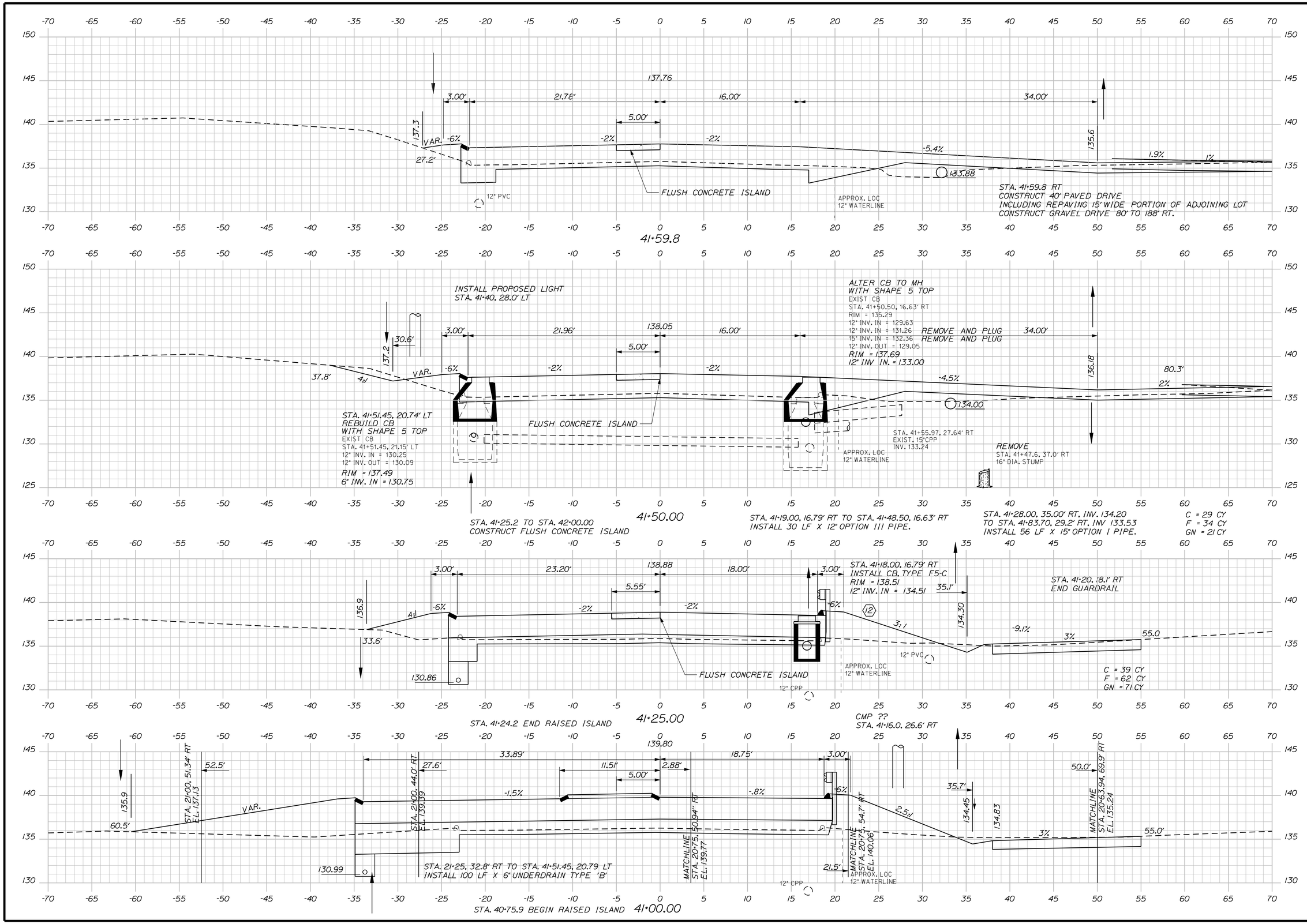
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
LIBBY AVENUE

CROSS SECTIONS 34+25.00
33+75.00

SHEET NUMBER
47
OF 56

Date:$date$
Username: $user$
Division: $wkgroup$
Filename: $file$



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

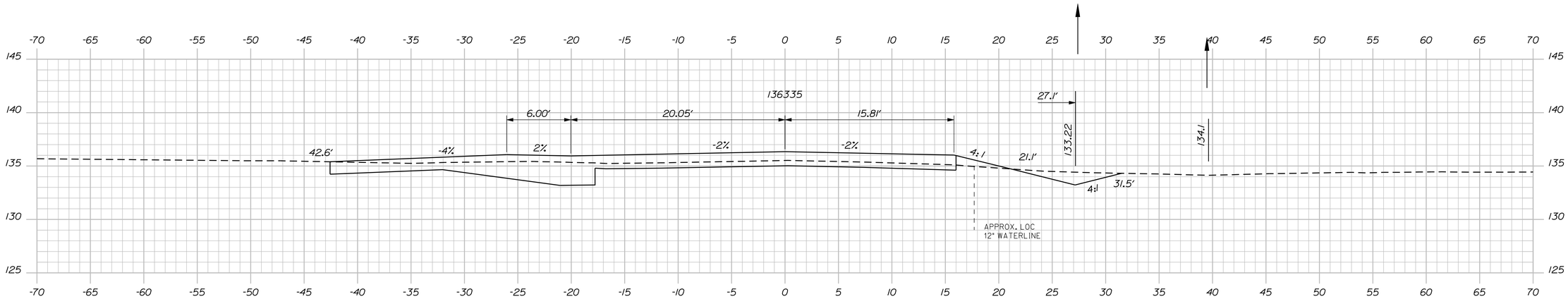
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
BRACKETT ROAD

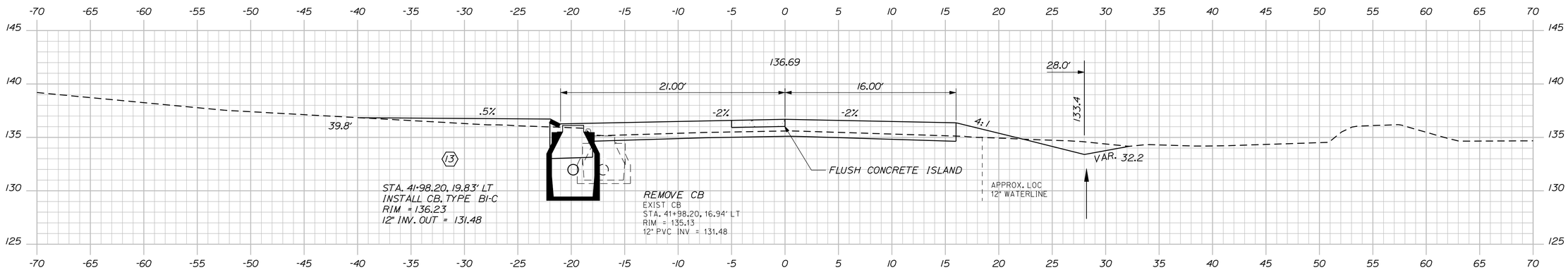
41+00.00 CROSS SECTIONS 41+59.80

SHEET NUMBER
48
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



42+15.00

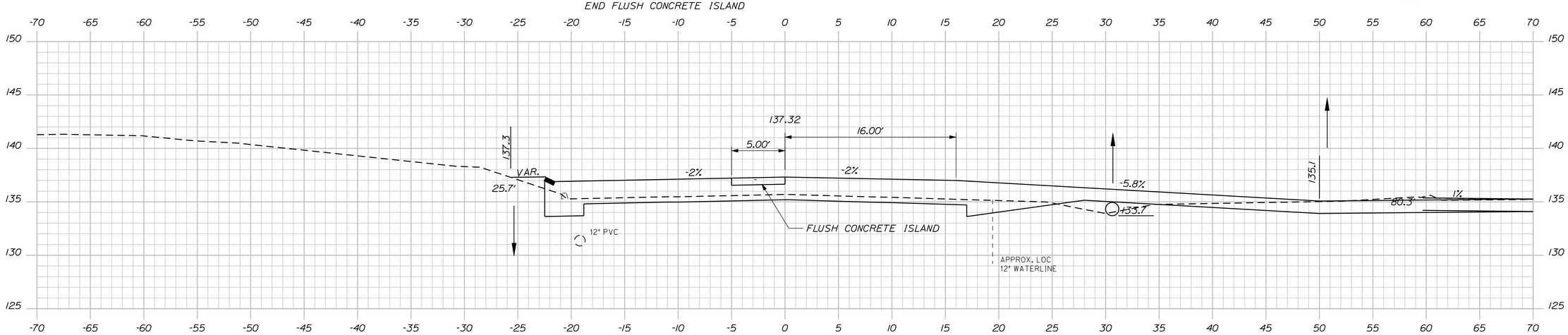


STA. 41+80.2, 18.7± LT TO STA. 41+96.20, 19.83 LT
REMOVE 16' OF EXISTING 12" PVC AND CONNECT TO NEW CB
WITH 16 LF OF 12" PVC.

42+00.00

STA. 42+00
END FLUSH CONCRETE ISLAND

C = 31 CY
F = 9 CY



41+75.00

C = 31 CY
F = 14 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

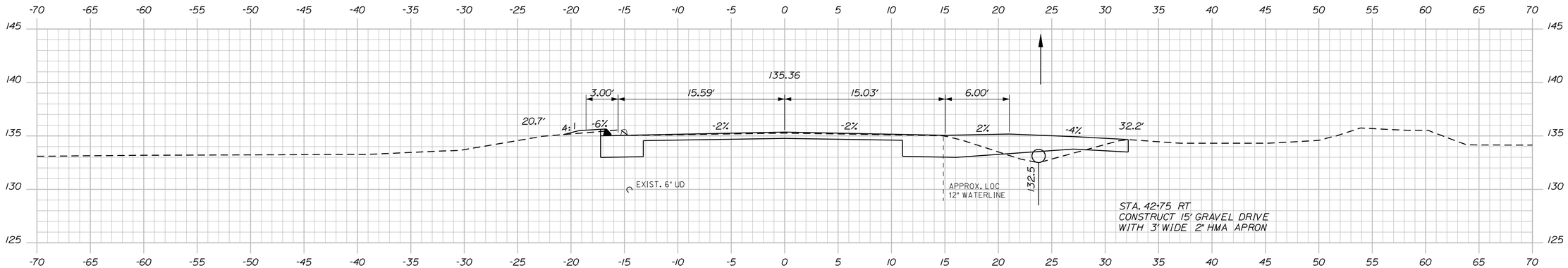
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
BRACKETT ROAD

41+75.00 CROSS SECTIONS 42+15.00

SHEET NUMBER
49
OF 56

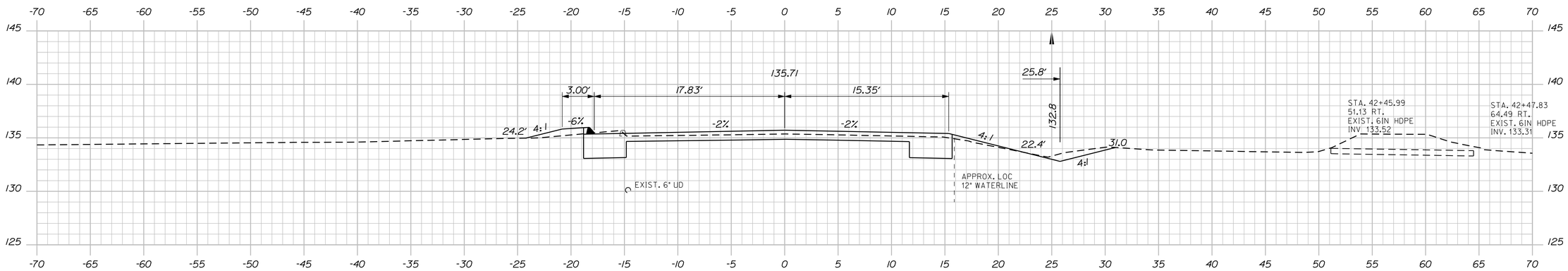
Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



42+75.00

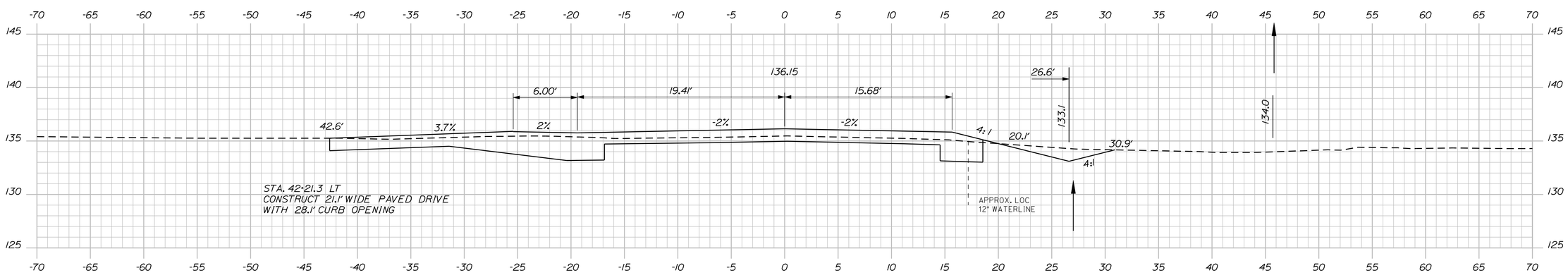
STA. 42+63. 24.2' RT TO STA. 42+87. 23.6' RT
INSTALL 24 LF X 15" OPT 1 PIPE

C = 34 CY
F = 4 CY



42+50.00

C = 40 CY
F = 2 CY



42+25.00

C = 47 CY
F = 4 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

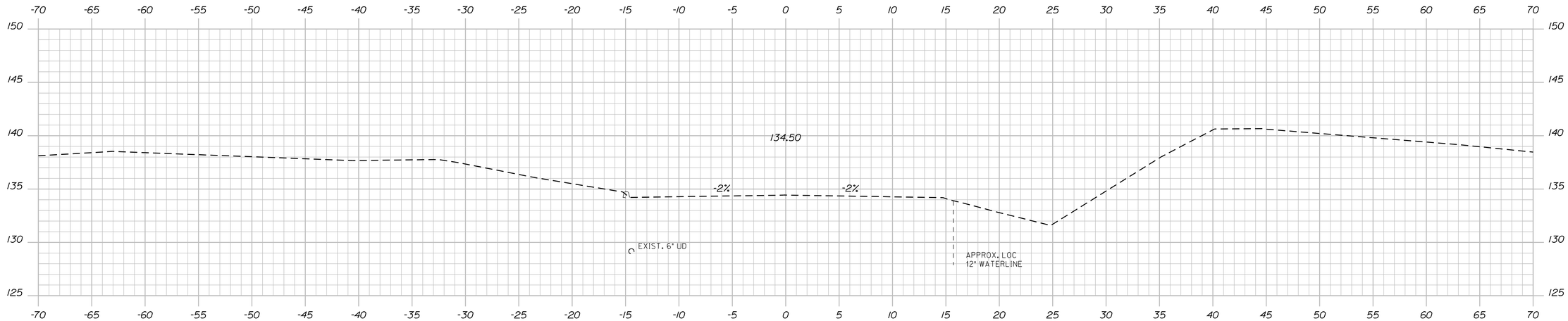
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
BRACKETT ROAD

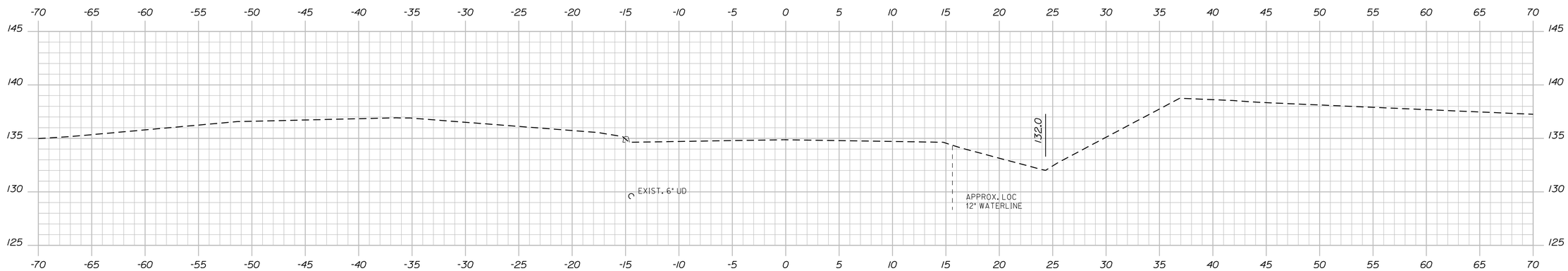
CROSS SECTIONS 42+75.00
42+25.00

SHEET NUMBER
50
OF 56

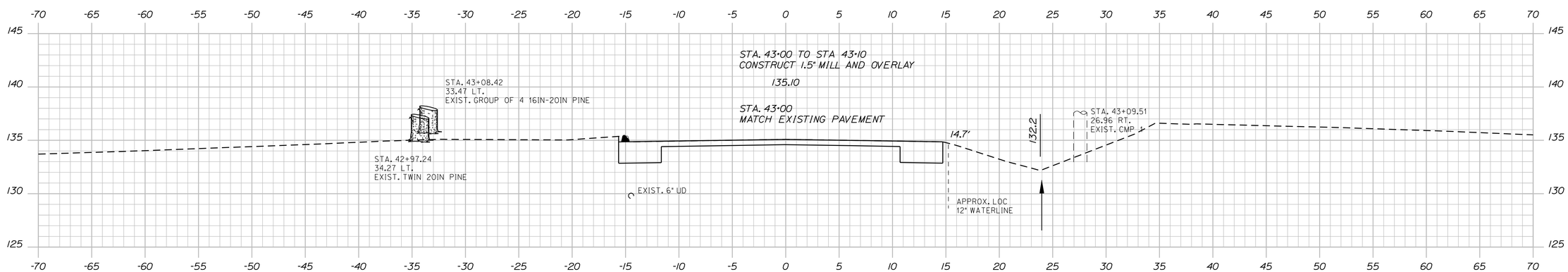
Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



43+50.00



43+25.00



43+00.00

C = 32 CY
F = 3 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY	BY	DATE
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

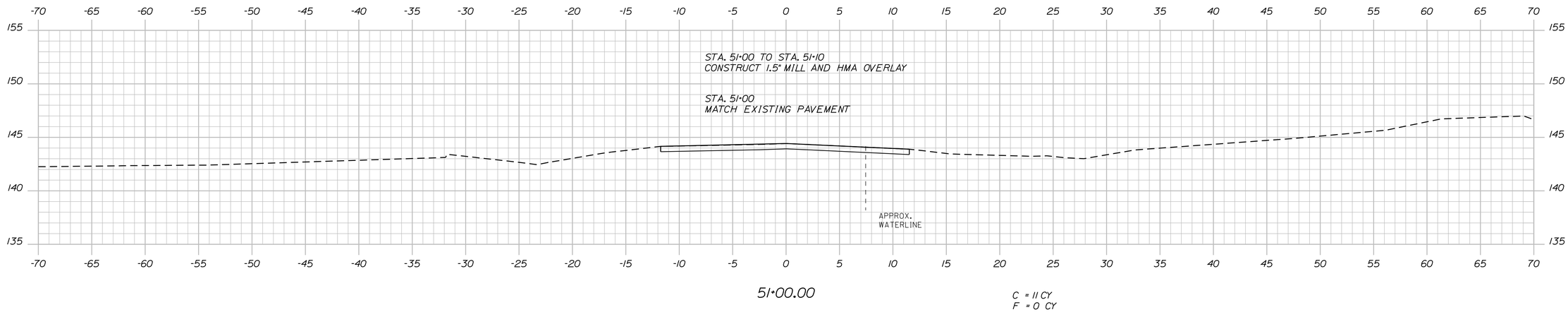
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
BRACKETT ROAD

43+00.00 CROSS SECTIONS 43+50.00

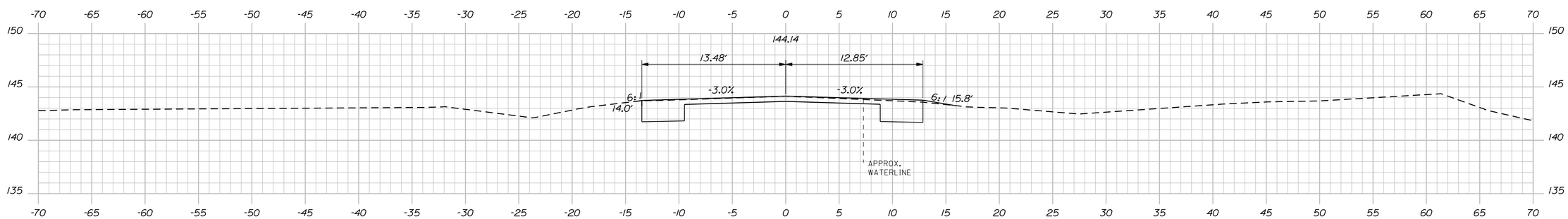
SHEET NUMBER
51
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



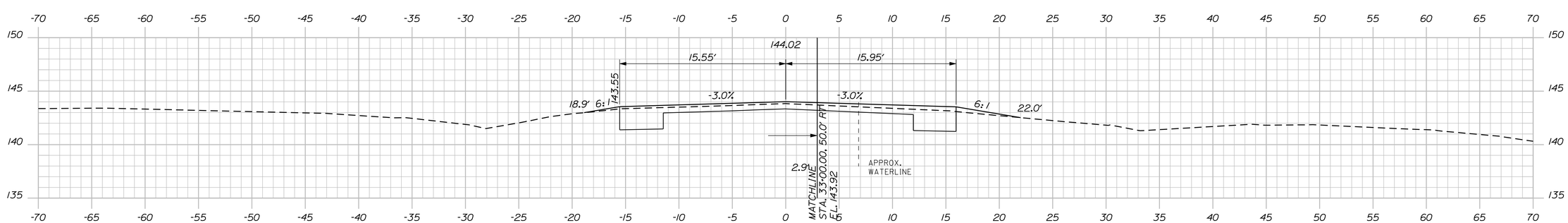
51+00.00

C = 11 CY
F = 0 CY



50+75.00

C = 24 CY
F = 11 CY



50+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

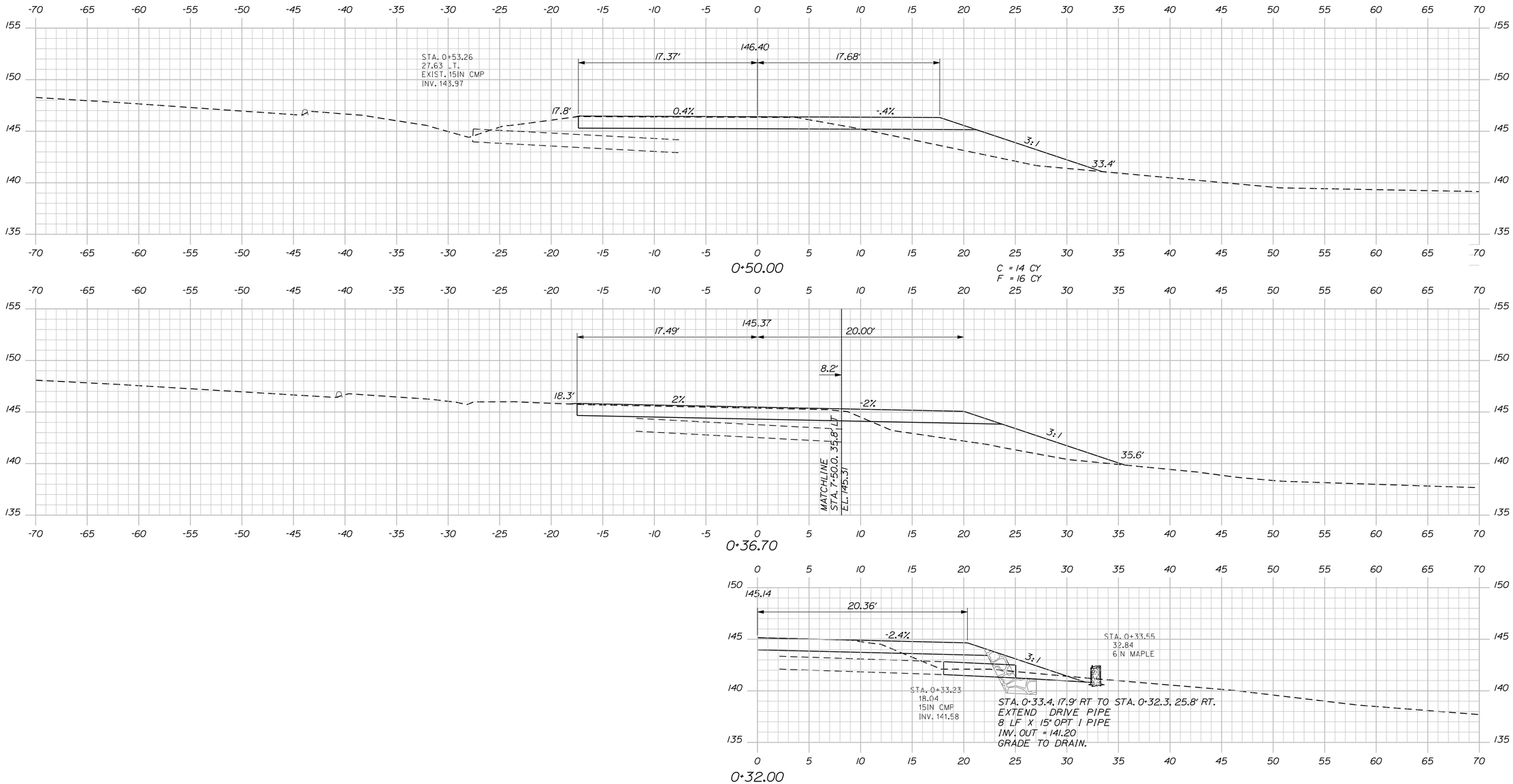
SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
JENNA DRIVE

CROSS SECTIONS 51+00.00 50+75.00 50+50.00

SHEET NUMBER
52
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	JLE	3-11
CHECKED-REVIEWED	ALG		3-11
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
SHORT DRIVE

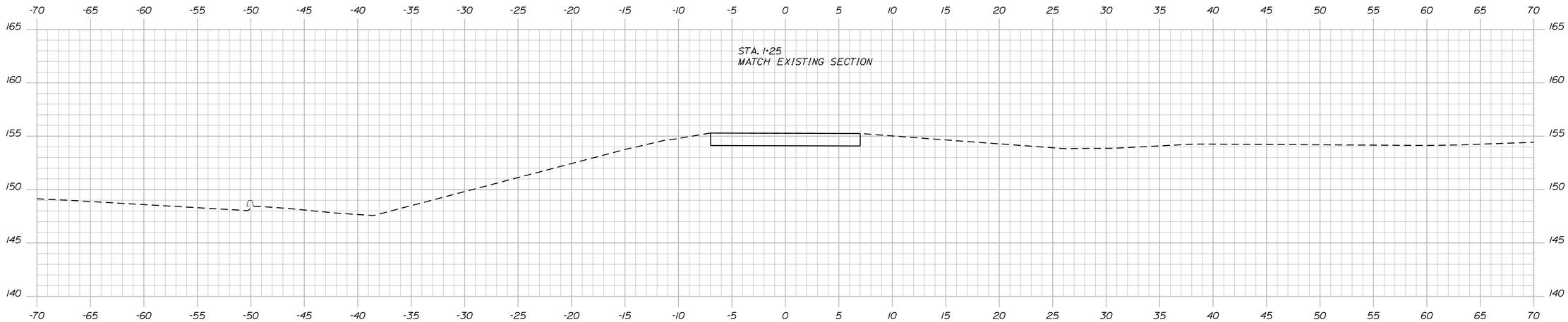
CROSS SECTIONS

0+50

0+32

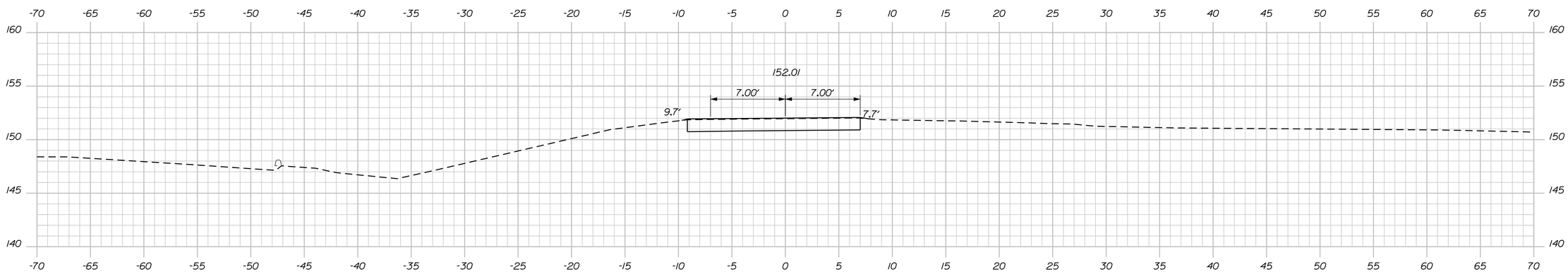
SHEET NUMBER
53
OF 56

Filename: $file$ Division: $wkgroup$ Username: $user$ Date:$date$



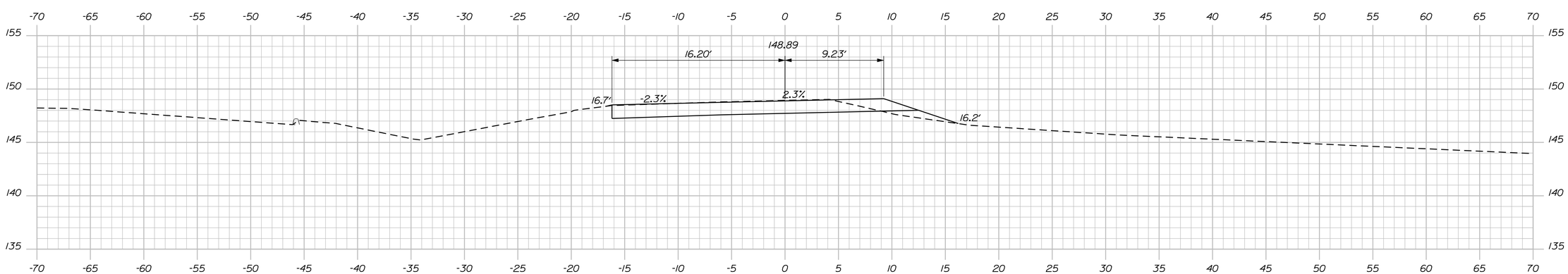
1+25

C = 16 CY
F = 0 CY



1+00.00

C = 21 CY
F = 2 CY



0+75.00

C = 25 CY
F = 16 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1724(300)X

PIN
17243.00

HIGHWAY PLANS

PROJ. MANAGER	STEVE LANDRY		
DESIGN-DETAILED	JLE	BY	DATE
CHECKED-REVIEWED	ALG	JLE	3-11
DESIGN2-DETAILED2			3-11
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
7960
P.E. NUMBER
APRIL 7, 2011
DATE

GORHAM
SHORT DRIVE

CROSS SECTIONS

1+25

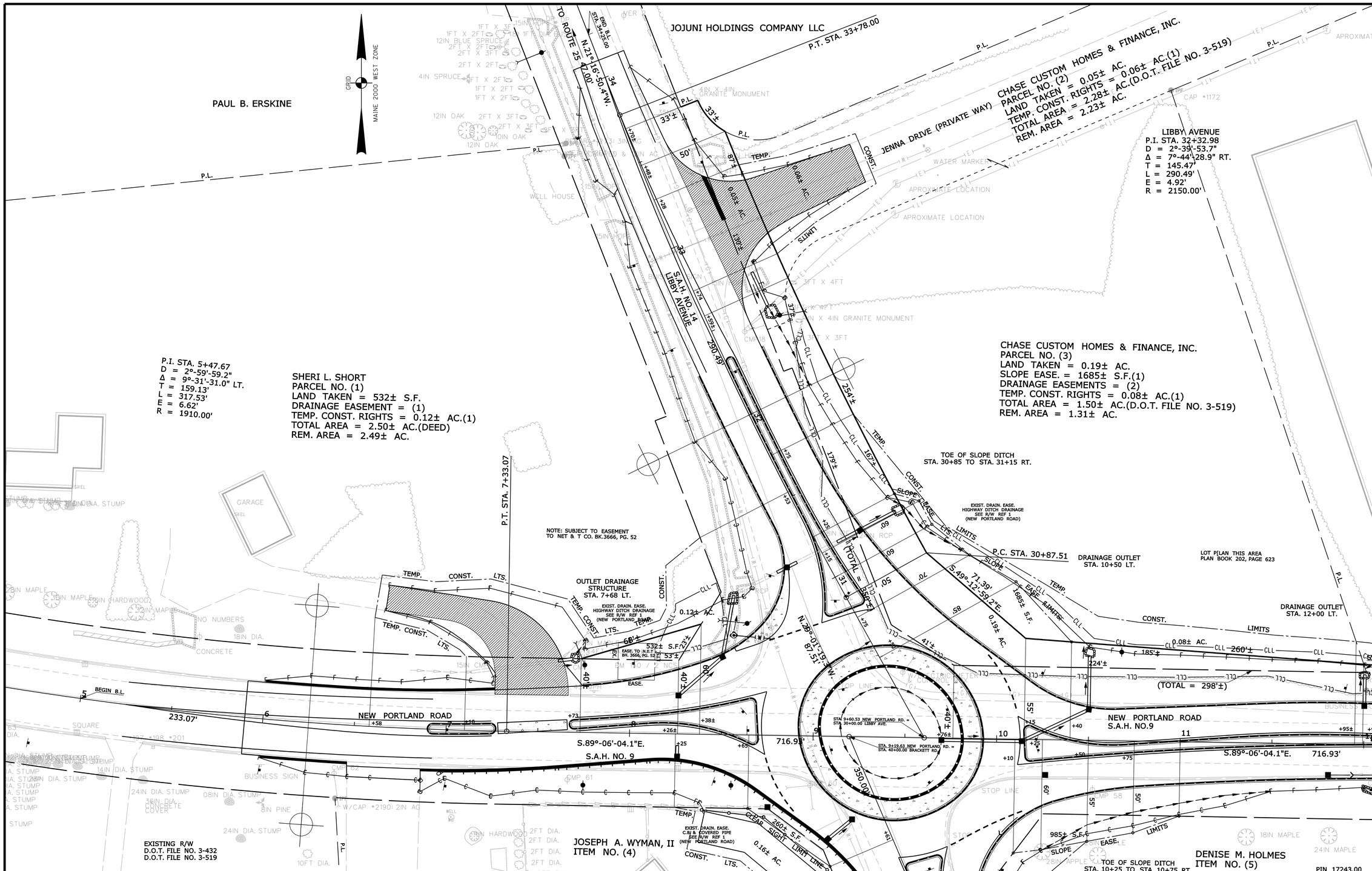
0+75

SHEET NUMBER

54

OF 56

Date:$date$ Username: $user$ Division: $wkgroup$ Filename: $file$



SYMBOLS

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

ITEM	TECH	CHECKED
BASE MAP	J.C.C.	G.L.L.
EXIST. R/W	J.C.C.	G.L.L.
PROP. LINES	J.C.C.	G.L.L.
AREAS	T.L.B.	T.L.B.

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	9/25/11	28656	156

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

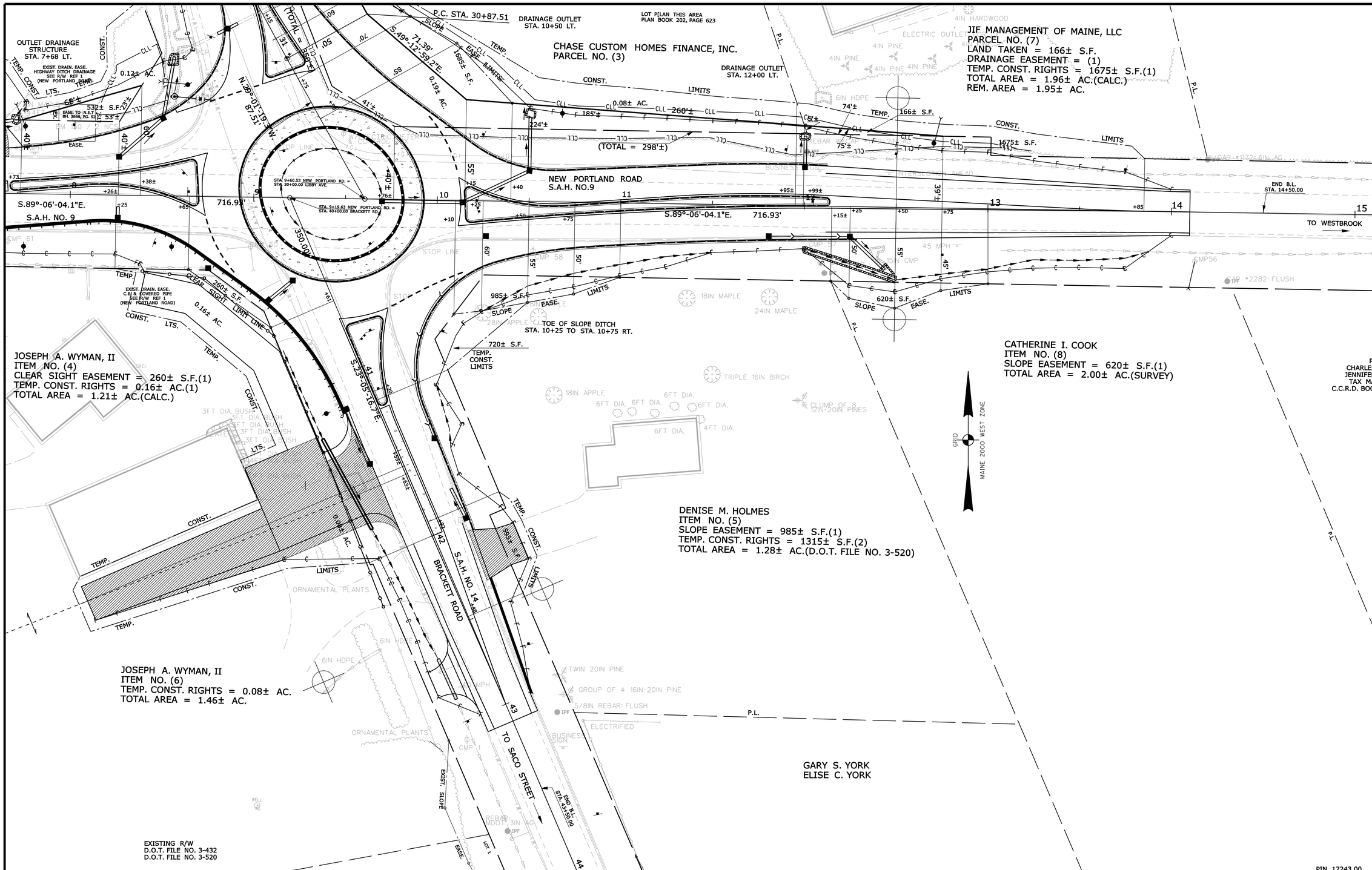
STATE OF MAINE
CHRISTOPHER W. KNIGHT
2257
PROFESSIONAL LAND SURVEYOR

STATE AID HIGHWAY NOS. 9 & 14
NEW PORTLAND RD./LIBBY AVE./BRACKETT RD.
GORHAM CUMBERLAND COUNTY
FEDERAL AID PROJECT NO. STP-1724(300)X

JUNE 2010 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 3-561
SCALE 1" = 25' | SHEET 1 OF 2

SHEET NUMBER
55
OF 56

Filename: ...\00\ROW\MSTA\001_RWPLAN1.dgn Division: ROW Username: terri.kelley Date:5/6/2011



SYMBOLS

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

ITEM	TECH	CHECKED
BASE MAP	J.C.C.	G.L.L.
EXIST. R/W	J.C.C.	G.L.L.
PROP. LINES	J.C.C.	G.L.L.
AREAS	T.L.B.	T.L.B.

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

REVISIONS			
NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	9/25/11	28656	156

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

STATE OF MAINE
CHRISTOPHER W. KNIGHT
2257
PROFESSIONAL LAND SURVEYOR

STATE AID HIGHWAY NOS. 9 & 14
NEW PORTLAND RD./LIBBY AVE./BRACKETT RD.
GORHAM CUMBERLAND COUNTY
FEDERAL AID PROJECT NO. STP-1724(300)X

JUNE 2010 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 3-561
SCALE 1" = 25' | SHEET 2 OF 2

SHEET NUMBER
56
OF 56

Filename: ...\00\row\msta\002_RWPLAN2.dgn Division: ROW Username: terri.kelley Date:5/6/2011