

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



HALLOWELL

KENNEBEC COUNTY

WINTHROP STREET

017105.00

PROJECT LENGTH : 0.20 MILES

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Estimated Quantities	2
Plan and Profile	3-4
Cross Sections	5-11

BEGIN PROJECT
STA. 8+25

END PROJECT
STA. 18+60

TRAFFIC DATA

Current (2012) AADT6940
Design Speed (mph)25
Functional Class:MAJOR COLL

PROJECT LOCATION:	BEGINNING AT SPRING STREET AND EXTENDING EASTERLY TO ROUTE 201 (WATER STREET)
PROGRAM AREA:	HIGHWAY
SCOPE OF WORK:	DRAINAGE REPAIR/REPLACEMENT

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER:	<i>[Signature]</i>	12/18/12
CHIEF ENGINEER:	<i>[Signature]</i>	12/18/12

STATE OF MAINE James O. Anderson P.E. 8580 PROFESSIONAL ENGINEER	SIGNATURE	P.E. NUMBER	DATE
<i>[Signature]</i>	8580	12/17/12	

PROJECT INFORMATION	HIGHWAY
PROGRAM	SHAWN SMITH
PROJECT MANAGER	R. BARROWS
DESIGNER	
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

HALLOWELL WINTHROP STREET	TITLE SHEET
------------------------------	-------------

SHEET NUMBER	1
OF 12	

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	215	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	180	CY
403.208	HOT MIX ASPHALT, 12.5MM HMA SURFACE	50	T
403.209	HOT MIX ASPHALT, 9.5MM HMA (INCIDENTALS)	30	T
403.211	HOT MIX ASPHALT (SHIMMING)	30	T
403.213	HOT MIX ASPHALT, 12.5MM BASE	50	T
409.15	BITUMINOUS TACK COAT - APPLIED	25	G
603.179	18 INCH CULVERT PIPE OPTION 3	12	LF
604.072	CATCH BASIN TYPE A-C	2.5	EA
604.092	CATCH BASIN TYPE B-C	2.5	EA
604.161	ALTERING CATCH BASIN	2	EA
604.164	REBUILDING CATCH BASIN	3	EA
605.13	18 INCH UNDERDRAIN TYPE C	613	LF
608.46	REGRADEING SIDEWALK	256	SY
609.11	VERTICAL CURB TYPE 1	8	LF
609.31	CURB TYPE 3	194	LF
609.38	RESET CURB TYPE 1	16	LF
615.07	LOAM	10	CY
618.13	SEEDING METHOD NUMBER 1	1	UN
619.12	MULCH	1	UN
629.05	HAND LABOR, STRAIGHT TIME	25	HR
631.12	ALL PURPOSE EXCAVATOR (INC. OPERATOR)	25	HR
631.172	TRUCK LARGE (INC. OPERATOR)	50	HR
652.33	DRUM	10	EA
652.34	CONE	50	EA
652.35	CONSTRUCTION SIGNS	624	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	39	CD
652.38	FLAGGER	1280	HR
656.75	TEMPORARY SOIL EROSION AND WATTER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

CONSTRUCTION NOTES

629-631 ITEMS

STA.18+60 6.5’ RT.THE SCOPE OF WORK WILL CONSIST OF EXCAVATING AND INSPECTING THE EXISTING UD CONNECTION. THE LOCATION HAS HAD SETTLEMENT ISSUES THAT LEADS US TO BELIEVE THERE THERE IS A FAULTY CONNECTION.THE MEANS OF REPAIR WILL BE DETERMINED UPON INSPECTION, BUT INITAL THOUGHTS ARE TO ADD 6’ DIA MANHOLE AT CONNECTION LOCATION.

STA.18+63, 30’ LT.THE SCOPE OF THE CONSIST OF EXCAVATING AND INSPECTING THE EXISTING UD CONNECTION AT THE CATCH BASIN AND TO THE MAIN 24"UD, IN ORDER TO DETERMINE THE CAUSE OF ROADWAY SETTLEMENT.THE MEANS OF REPAIR WILL BE DETERMINED UPON. INSPECTION, INITIAL THOUGHT IS TO REPLACE 12" CONNECTION PIPE AND HAVE A TEE FABRICATED FOR CONNECTION TO THE 24" UD.

ITEM 403.211 9.5mm HMA SHIM - SHIM MAINLINE ONLY AS DIRECTED BY THE RESIDENT TO FILL WHEEL RUTS.

GENERAL NOTES

1. A 3’ PAVED LIP SHALL BE PLACED AT ALL GRAVEL ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
2. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.
- 3.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
4. EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE INCIDENTAL TO THE DRAINAGE ITEMS.
5. EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE INCIDENTAL TO THE DRAINAGE ITEMS.
6. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
7. 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.
8. 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.
9. AS DIRECTED BY THE RESIDENT, ALL EXISTING UNDERDRAIN OUTLETS SHALL BE LOCATED, CLEANED OUT AND DITCHED AS REQUIRED OR REPLACED AS NECESSARY. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
10. 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.
11. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.
12. 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.
13. 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.
14. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.
15. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

017105.00

WIN
17105.00

HIGHWAY PLANS

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED
DESIGN-DETAILED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

SHAWN SMITH
R. BARROWS

BY

DATE

SIGNATURE

P.E. NUMBER

DATE

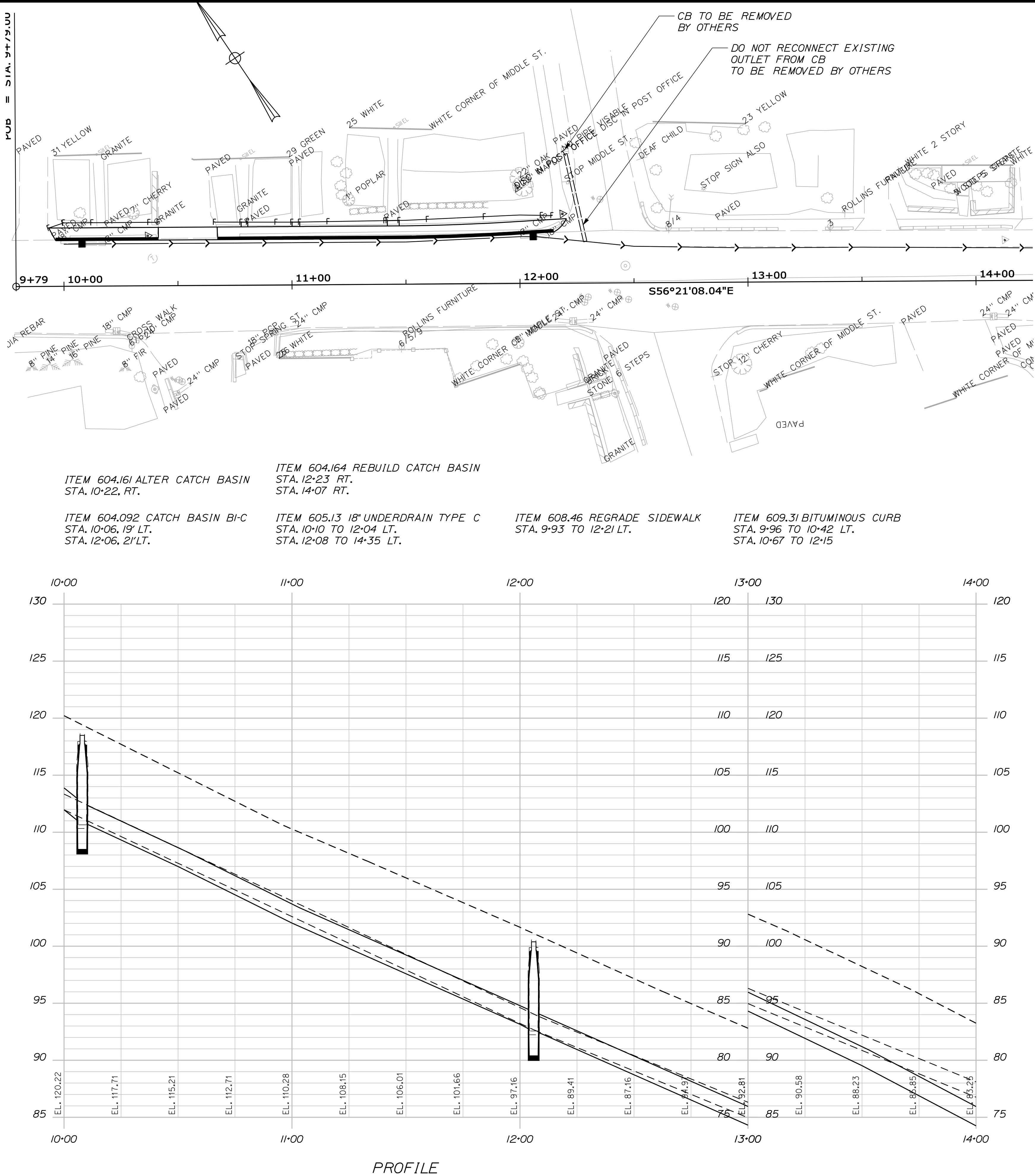
HALLOWELL
WINTHROP STREET

ESTIMATED QUANTITIES

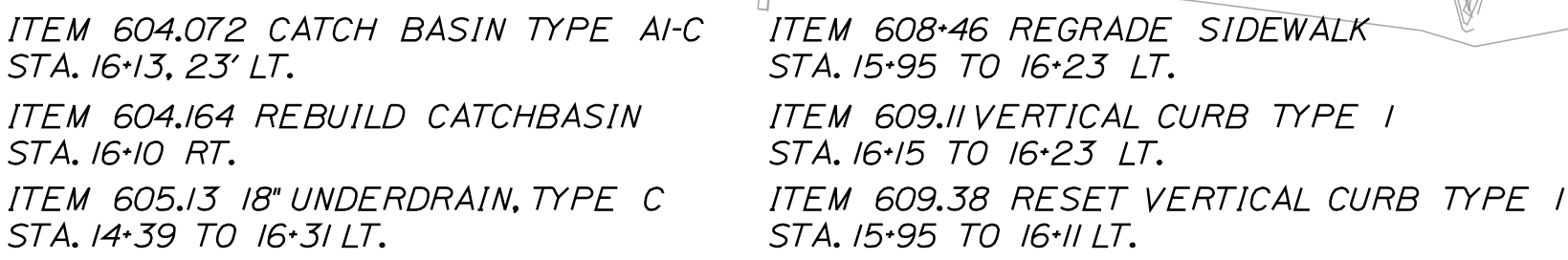
SHEET NUMBER

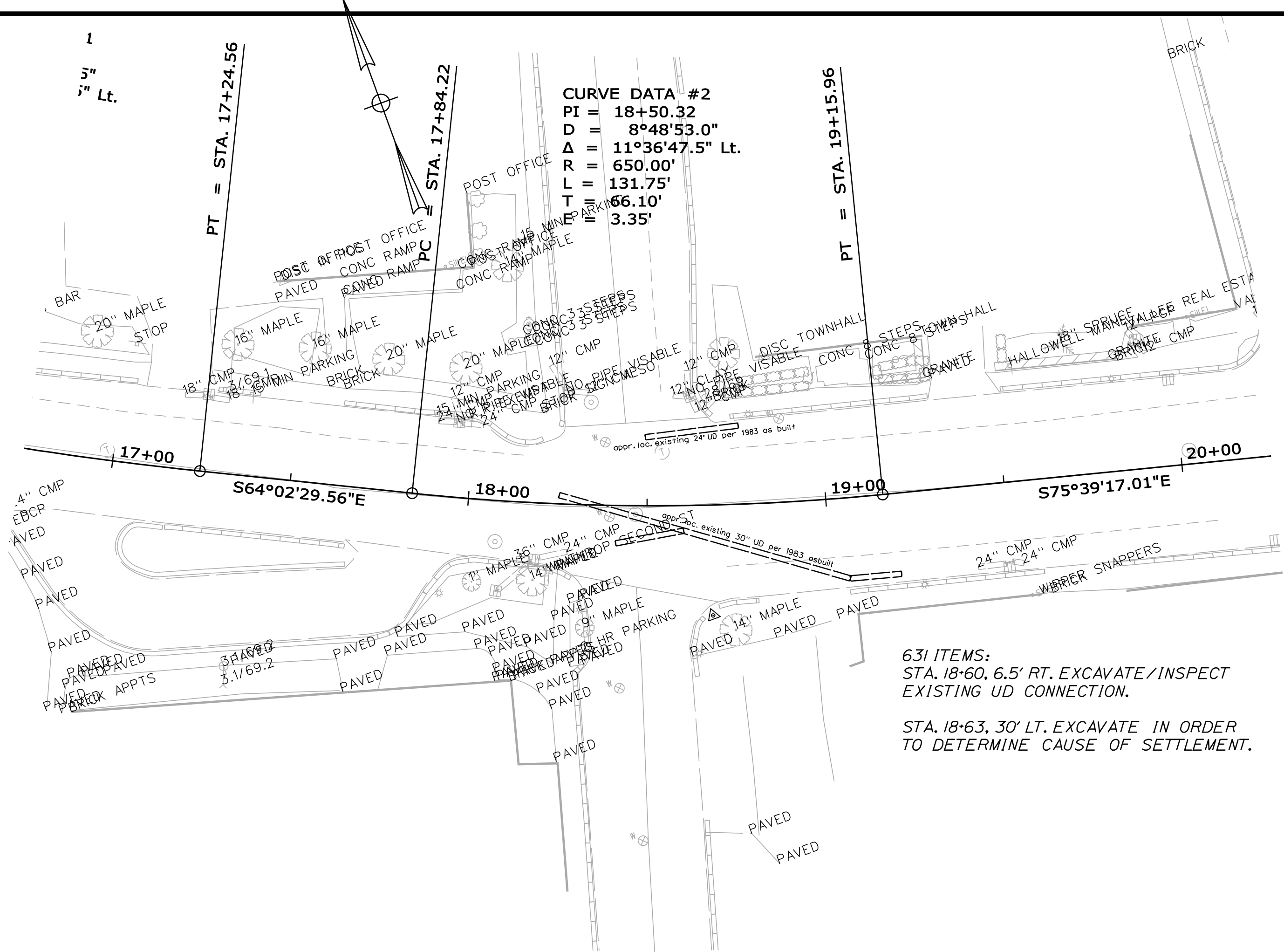
2

OF 12



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		017105.00		WIN		17105.00		HIGHWAY PLANS	
HALLOWELL		WINTHROP STREET		PLANS		SHEET NUMBER		3		OF 12	
PROJ. MANAGER		SHAWN SMITH		BY		DATE		SIGNATURE		P.E. NUMBER	
DESIGNED-DETAILED		R. BARROWS									
CHECKED-REVIEWED											
DESIGNED-DETAILED											
REVISIONS 1											
REVISIONS 2											
REVISIONS 3											
REVISIONS 4											
FIELD CHANGES											





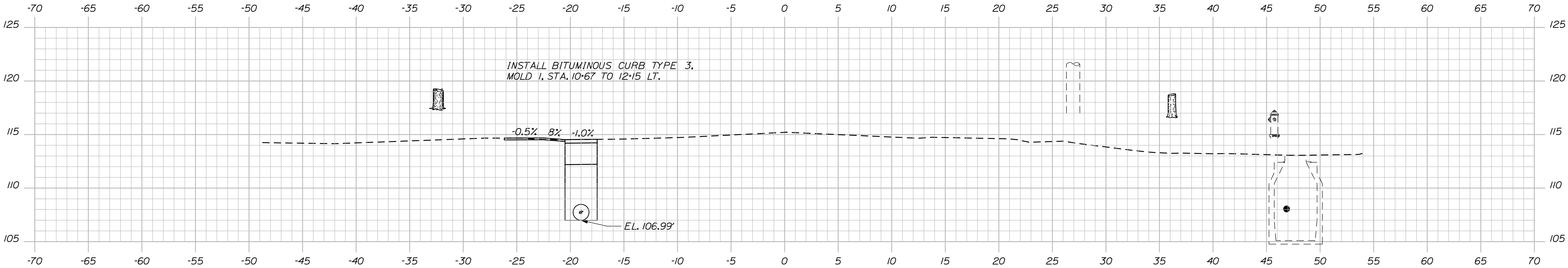
SHEET NUMBER		HALLOWELL WINTHROP STREET		PROJ. MANAGER SHAWN SMITH	BY R. BARROWS	DATE	STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
5		DESIGN-DETAILED		CHECKED-REVIEWED			SIGNATURE	017105.00
OF 12		DESIGN2-DETAILED2		DESIGN3-DETAILED3			P.E. NUMBER	
		REVISONS 1		REVISONS 2			DATE	WIN 17105.00
		REVISONS 3		REVISONS 4				HIGHWAY PLANS
		FIELD CHANGES						

Date:11/28/2012

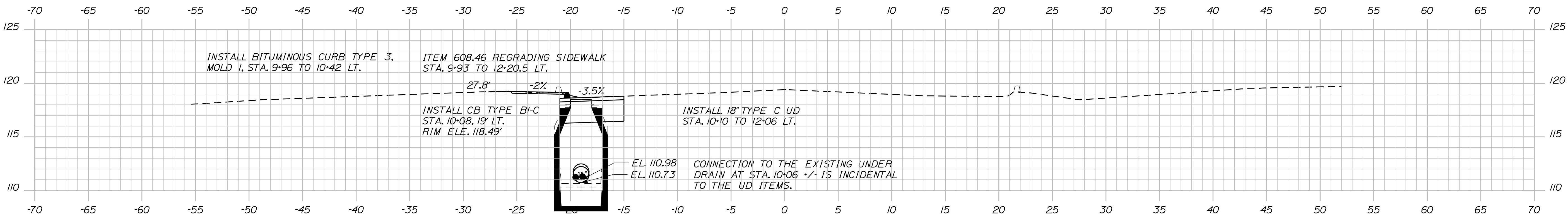
Username: randall.barrows

Division: HIGHWAY

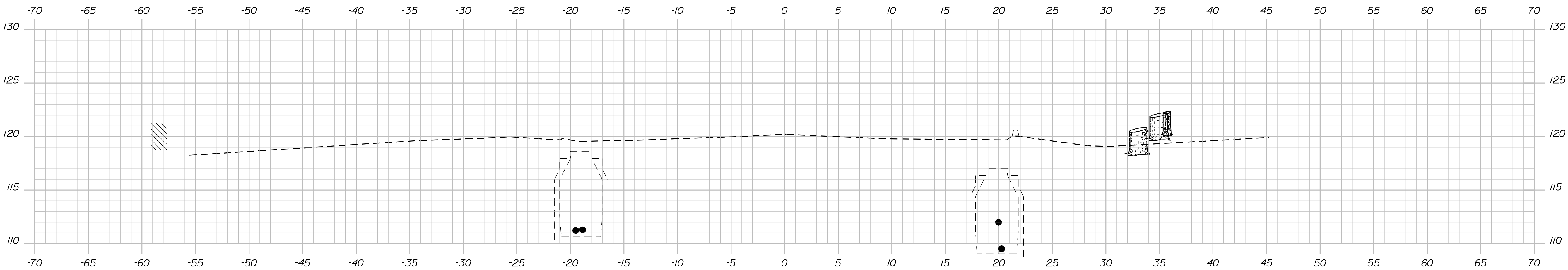
Filename: ... \msta\006_XSECT_10+00_001.dgn



10+50.00



10+08.00



10+00.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	017105.00	
	WIN	17105.00

PROJ. MANAGER	SHAWN SMITH	BY	DATE
CHECKED-REVIEWED	R. BARROWS		
DESIGNED-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HALLOWELL WINTHROP STREET	CROSS SECTIONS

SHEET NUMBER
6
OF 12

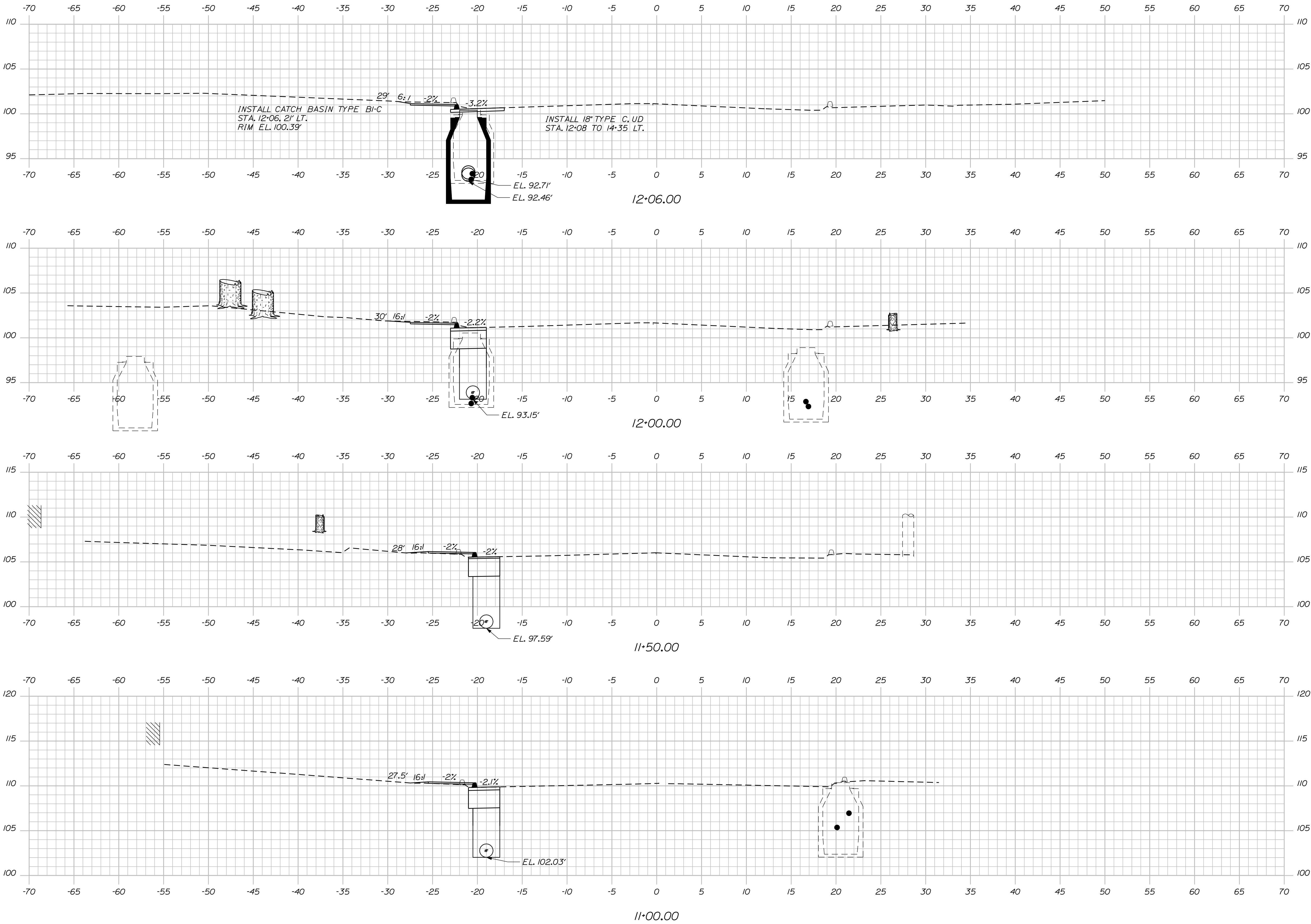
Sta. 10+00.00 to Sta. 10+50.00

Date:11/28/2012

Username: randell.barrow

Division: HIGHWAY

Filename: ... \msta\007_XSECT_11+00_002.dgn



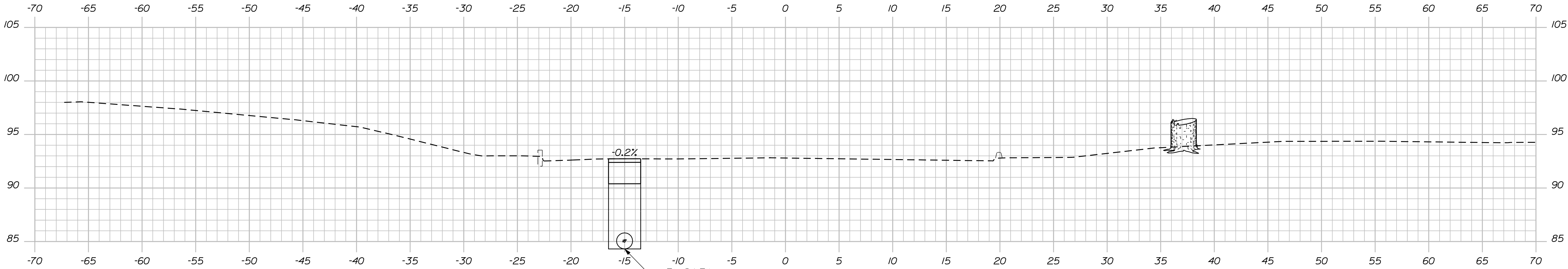
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		017105.00		WIN		17105.00	
HALLOWELL		WINTHROP STREET		CROSS SECTIONS		SHEET NUMBER		7	
PROJ. MANAGER		SHAWN SMITH		BY		DATE		SIGNATURE	
DESIGN-DETAILED		R. BARROWS						P.E. NUMBER	
CHECKED-REVIEWED								DATE	
DESIGN-DETAILED									
REVISIONS 1									
REVISIONS 2									
REVISIONS 3									
REVISIONS 4									
FIELD CHANGES									

Date:11/28/2012

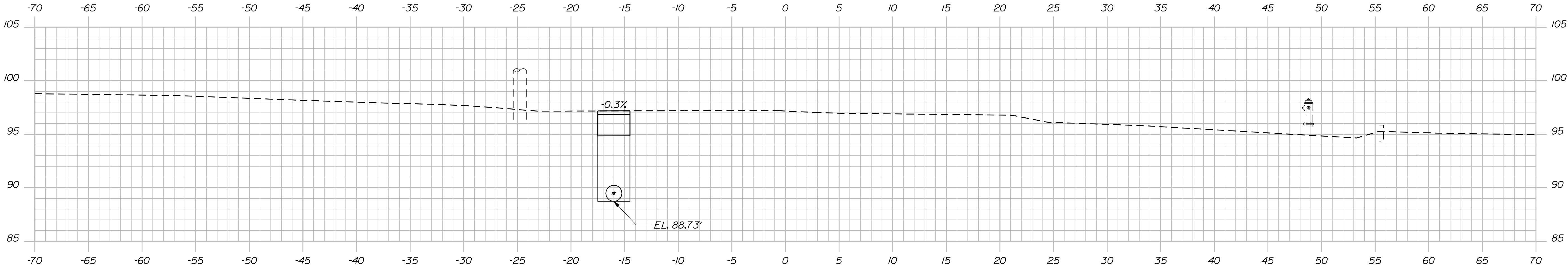
Username: randell.barrows

Division: HIGHWAY

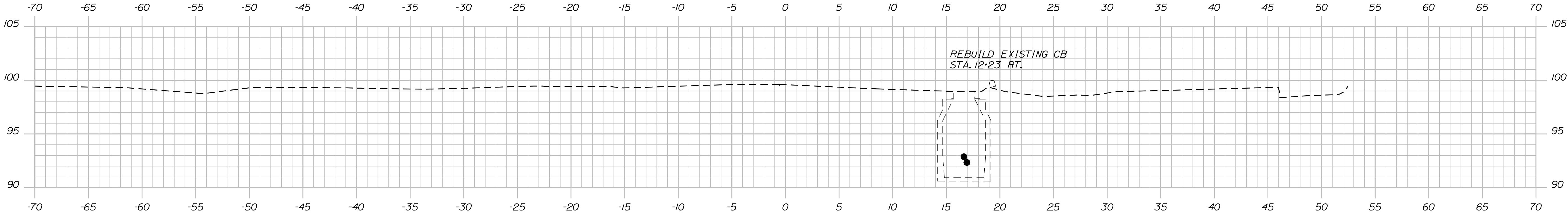
Filename: ... \msta\008_XSECT_12+23_003.dgn



13+00.00



12+50.00



12+23.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		
	017105.00	
	WIN	17105.00

PROJ. MANAGER	SHAWN SMITH	BY	DATE
DESIGN-DETAILED			
CHECKED-REVIEWED	R. BARROWS		
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			
DESIGN-DETAILED			

HALLOWELL WINTHROP STREET	CROSS SECTIONS

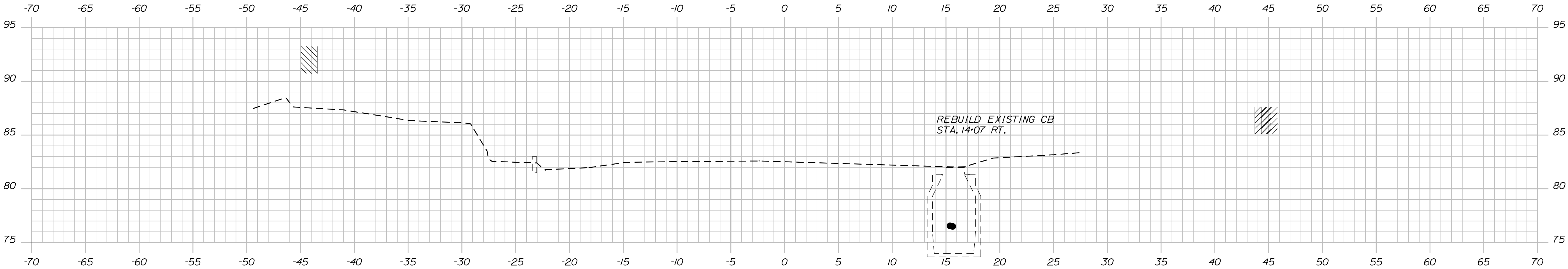
SHEET NUMBER	
8	
OF 12	

Date:11/28/2012

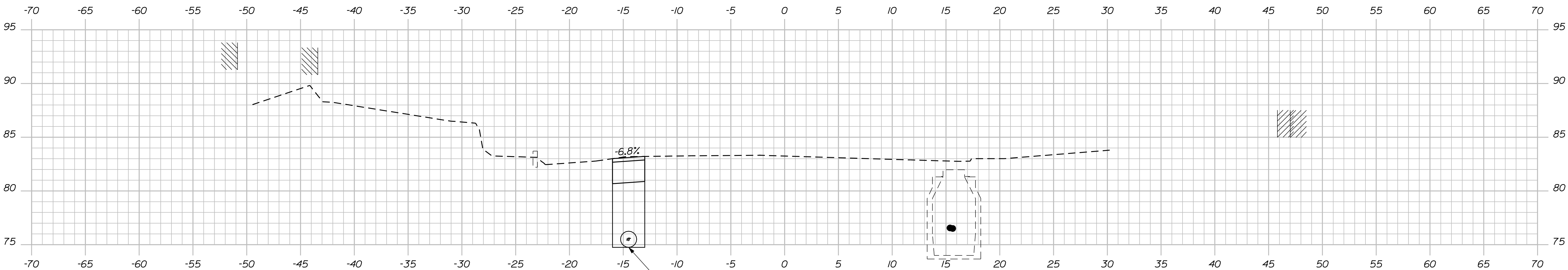
Username: randell.barrows

Division: HIGHWAY

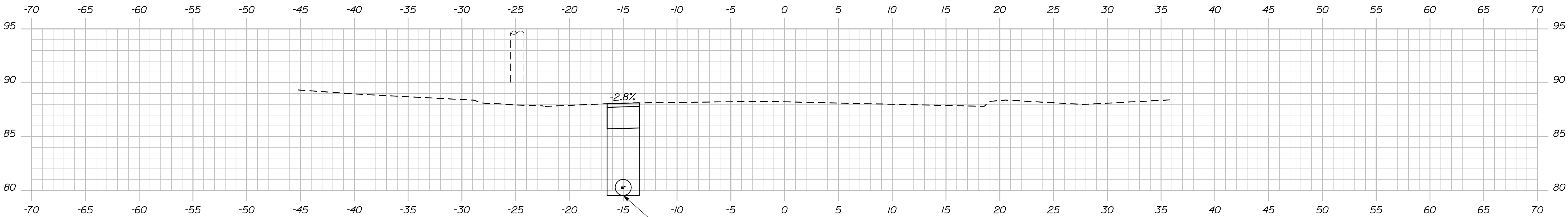
Filename: ... \msta\009_XSECT_13+50_004.dgn



14+07.00



14+00.00



13+50.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		
	017105.00	
	WIN	17105.00

PROJ. MANAGER SHAWN SMITH	BY R. BARROWS	DATE	SIGNATURE
			P.E. NUMBER
			DATE

HALLOWELL WINTHROP STREET	CROSS SECTIONS

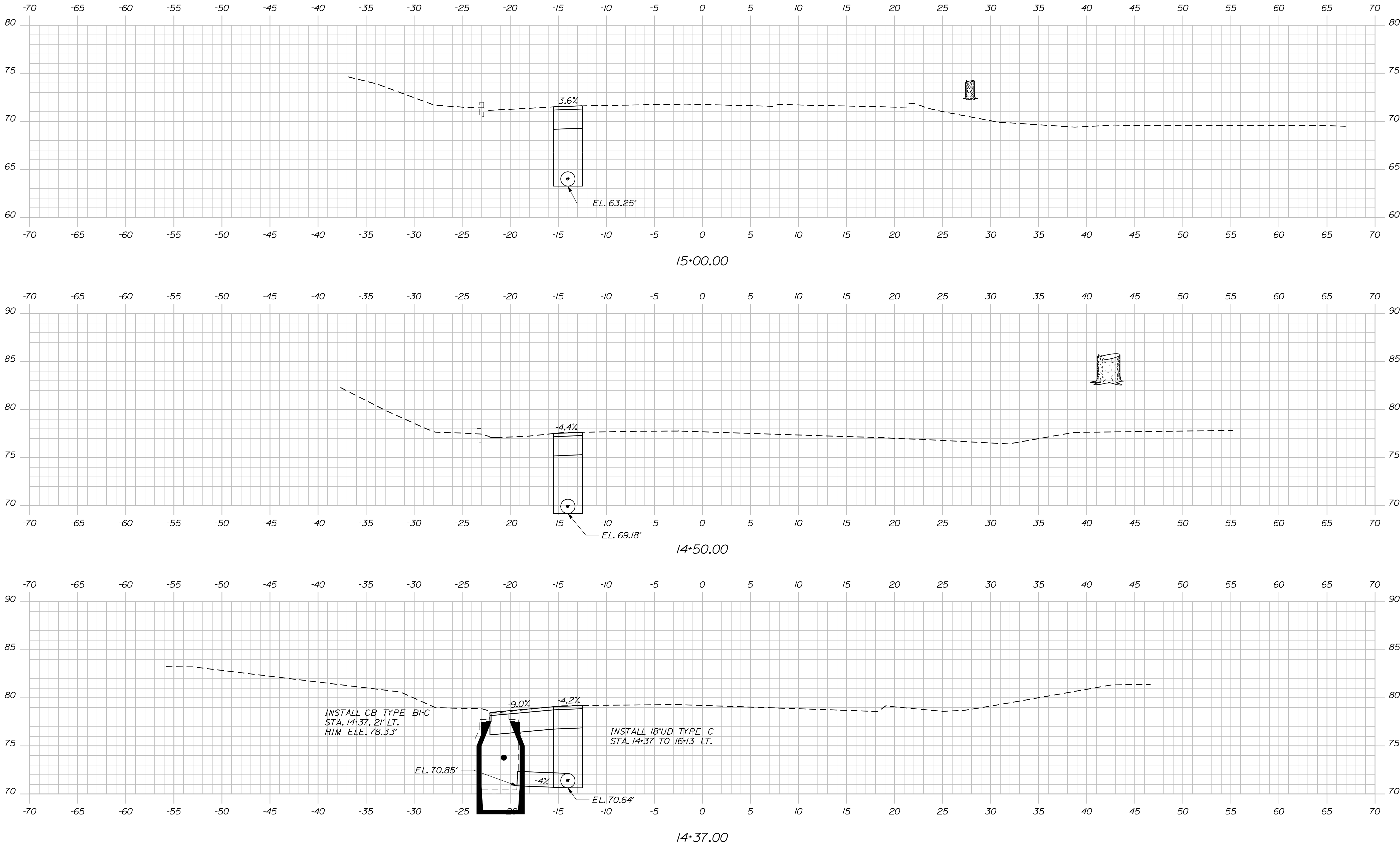
SHEET NUMBER
9
OF 12

Date:11/28/2012

Username: randell.barrow

Division: HIGHWAY

Filename: ... \msta\010_XSECT_14+37_005.dgn



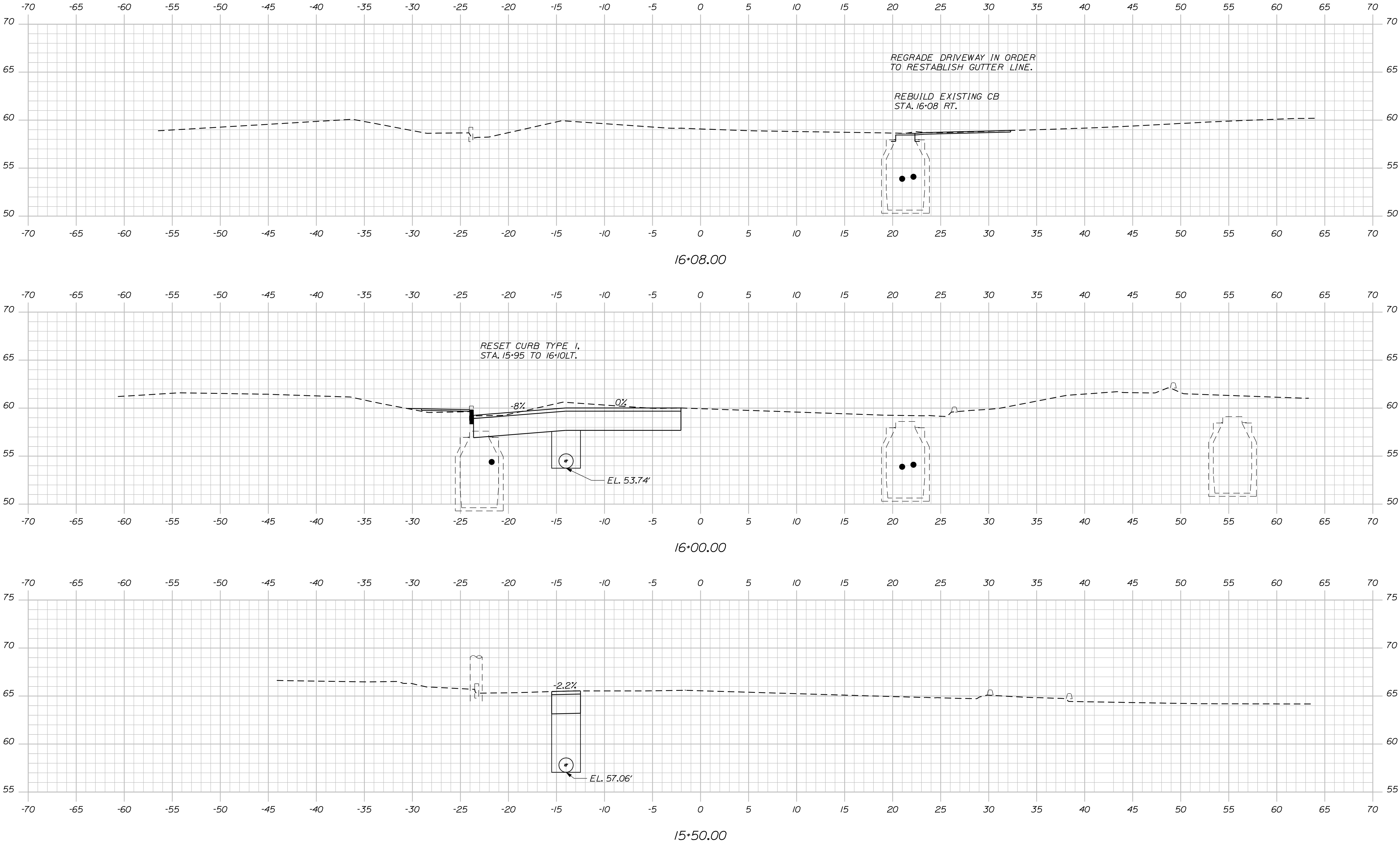
STATE OF MAINE DEPARTMENT OF TRANSPORTATION		017105.00		WIN 17105.00	
		SIGNATURE		P.E. NUMBER	
HALLOWELL WINTHROP STREET		DATE		DATE	
		FIELD CHANGES		FIELD CHANGES	
CROSS SECTIONS		SHEET NUMBER		10	
		OF 12		OF 12	

Date:11/28/2012

Username: randell.barrows

Division: HIGHWAY

Filename: ... \msta\011_XSECT_15+50_006.dgn



STATE OF MAINE DEPARTMENT OF TRANSPORTATION					
		SIGNATURE			
		P.E. NUMBER			
		DATE			
017105.00		WIN		17105.00	
HALLOWELL WINTHROP STREET		PROJ. MANAGER	SHAWN SMITH	BY	DATE
		CHECKED-REVIEWED	R. BARROWS		
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
CROSS SECTIONS		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
SHEET NUMBER					
11					
OF 12					

Filename: ... \msta\012_XSECT_16+13_007.dgn



SHEET NUMBER

12

OF 12