STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

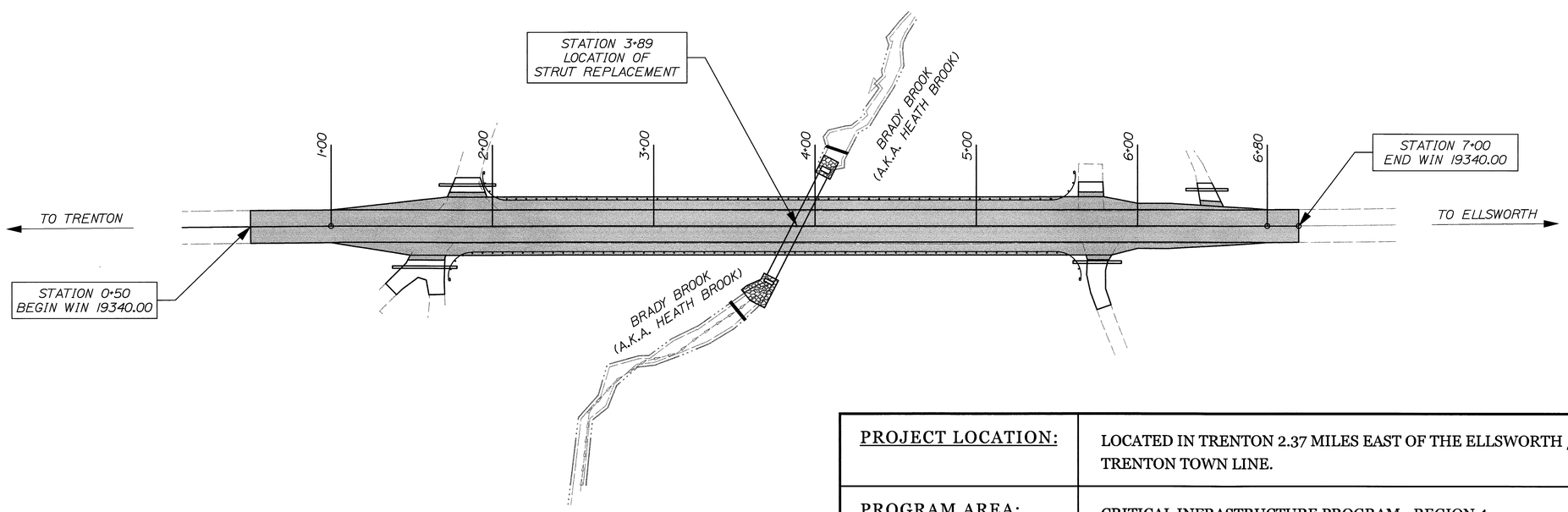
PLAN LEGEND

Town, County, State
Property Lines
R/W Lines-Existing
R/W Lines-Proposed
Culvert-Existing
Culvert Proposed
Curbing — Existing — Proposed
Type 1
Type 3
Type 5
Outline of Bodies of Water
Ledge
Buildings
Trees — Conifer — Deciduous
Tree Line
Clearing Limit Line — CLL
Cased Wash Boring
Power Auger Probe

Centerline-Existing
Centerline-Proposed — 10+00
Travelway-Existing
Travelway-Proposed
Railroad
Catch Basins — Existing — Proposed
Manholes — Existing — Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch
Utility Poles — Existing — Proposed
Fire Hydrants — Existing — Proposed
Existing Water Line
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

TRENTON
HANCOCK COUNTY
ROUTE 230
STATE PROJECT NO. 19340.00
PROJECT LENGTH: 0.12 MILES

N



INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2 - 3
Plan / Profile	4
Cross - Sections	5 - 16
Detour Plans	17 - 18
Right of Way Map	19

TRAFFIC DATA

Current (2012) AADT 730
Design Speed (mph) 45
Functional Class:..... Minor Collector

LAYOUT SCALE

37.5 0 37.5 75
Scale in Feet

PROJECT LOCATION:	LOCATED IN TRENTON 2.37 MILES EAST OF THE ELLSWORTH / TRENTON TOWN LINE.
PROGRAM AREA:	CRITICAL INFRASTRUCTURE PROGRAM - REGION 4
SCOPE OF WORK:	STRUT REPLACEMENT

WIN 19340.00 019340.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED — DATE 3/18/13
COMMISSIONER:
CHIEF ENGINEER: 3-18-13

STATE OF MAINE — SHAWN R. DAVIS — No. 12272 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 12272
DATE 3/11/13

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	S. DAVIS
DESIGNER	B. LUCAS
CONSTRUCTION MANAGER	M. KIRKMANN
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

TRENTON
ROUTE 230

TITLE SHEET

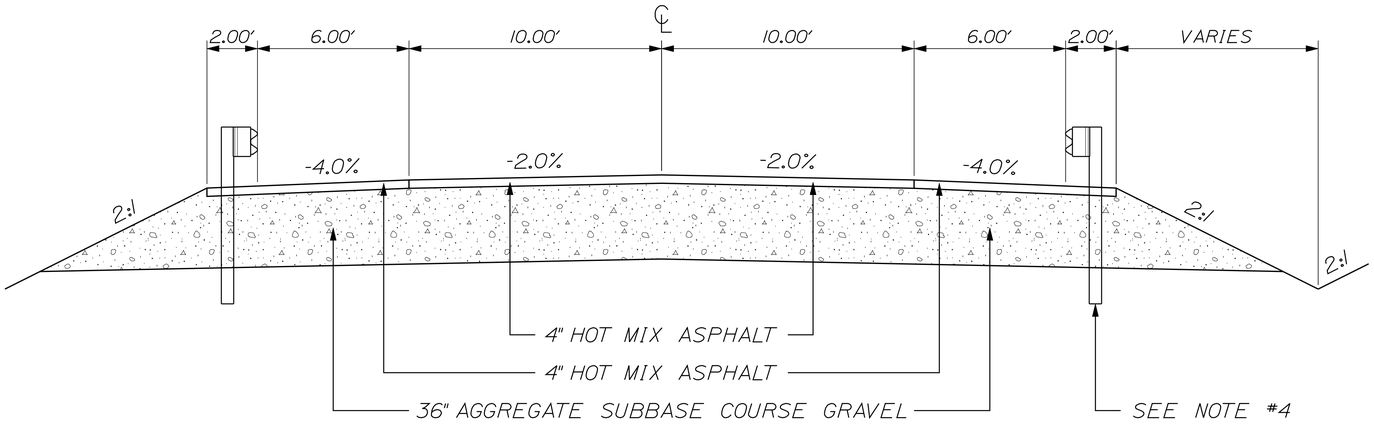
SHEET NUMBER
1
OF 19

Filename: ...\00\HIGHWAY\MSTA\001_Title.dgn Division: HIGHWAY Username: robert.chester Date:3/8/2013

FULL CONSTRUCTION AREA

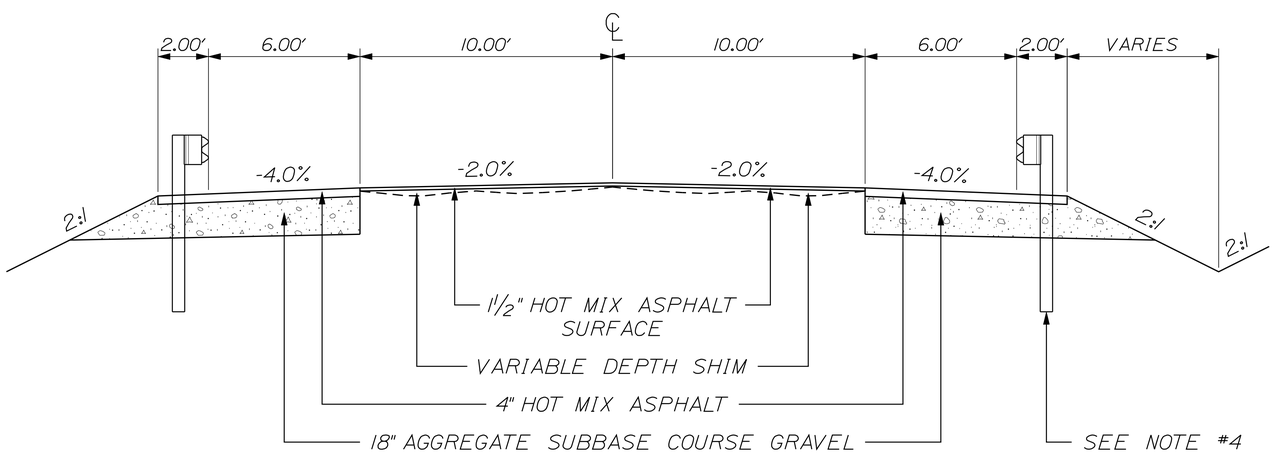
STATION 3+60 TO STATION 4+18

TAPER IN FROM 0" ASCG TO 36" ASCG ON MAINLINE STATION 3+30 TO STATION 3+60
TAPER OUT FROM 36" ASCG TO 0" ASCG ON MAINLINE STATION 4+18 TO STATION 4+48



MAINLINE SHIM & OVERLAY WITH SHOULDER CONSTRUCTION

STATION 1+50 TO STATION 3+30
STATION 4+48 TO STATION 6+20



NOTE:

1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. CROWNS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
3. THE STATIONING SHOWN ABOVE EACH TYPICAL IS APPROXIMATE.
4. WHEN SHOULDER PAVEMENT EXTENDS LESS THAN 3 ft. BEYOND THE FACE OF GUARDRAIL, 7 ft. MINIMUM GUARDRAIL POSTS ARE REQUIRED.
5. FROM STATIONS 0+50 (BEGIN PROJECT) TO 1+50 TRANSITION FROM MATCH EXISTING TO TYPICAL SECTION AND FROM STATIONS 6+20 TO 7+00 (END PROJECT) TRANSITION FROM TYPICAL SECTION TO MATCH EXISTING (REFER TO CROSS SECTIONS FOR MORE DETAILS).

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN 19340.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED			
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TRENTON
ROUTE 230

TYPICAL SECTIONS

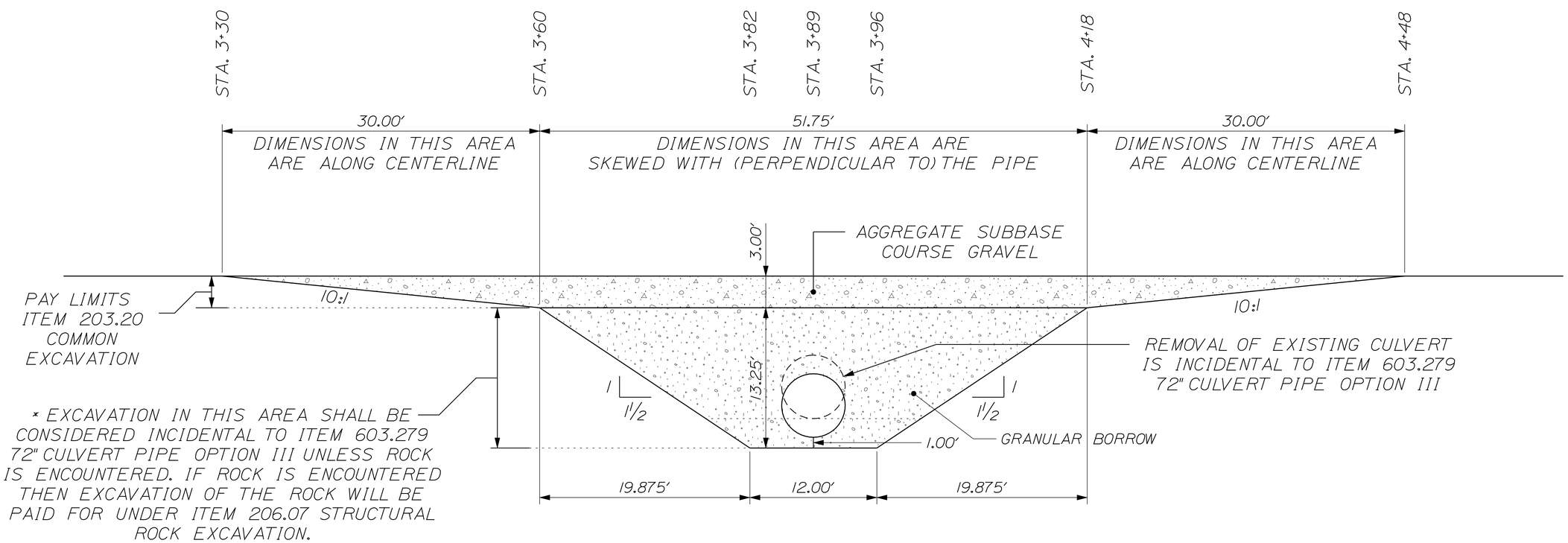
SHEET NUMBER

2

OF 19

Filename: ...\msta\002_Typical_001.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013

72" CULVERT PIPE OPTION III
CORRUGATED METAL PIPE



* IT IS ANTICIPATED THAT LEDGE WILL BE ENCOUNTERED BENEATH THE EXISTING CULVERT FROM CENTERLINE OUT TO THE LEFT END OF THE PIPE. WORK IN THIS AREA HAS BEEN ESTIMATED UNDER ITEM 206.07 - STRUCTURAL ROCK EXCAVATION - DRAINAGE & MINOR STRUCTURES.

EXCAVATION & FILL LIMITS

NOT TO SCALE

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN 19340.00

HIGHWAY PLANS

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PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED	K.BRESKIN	T.WHITE	
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REVISIONS 2			
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REVISIONS 4			
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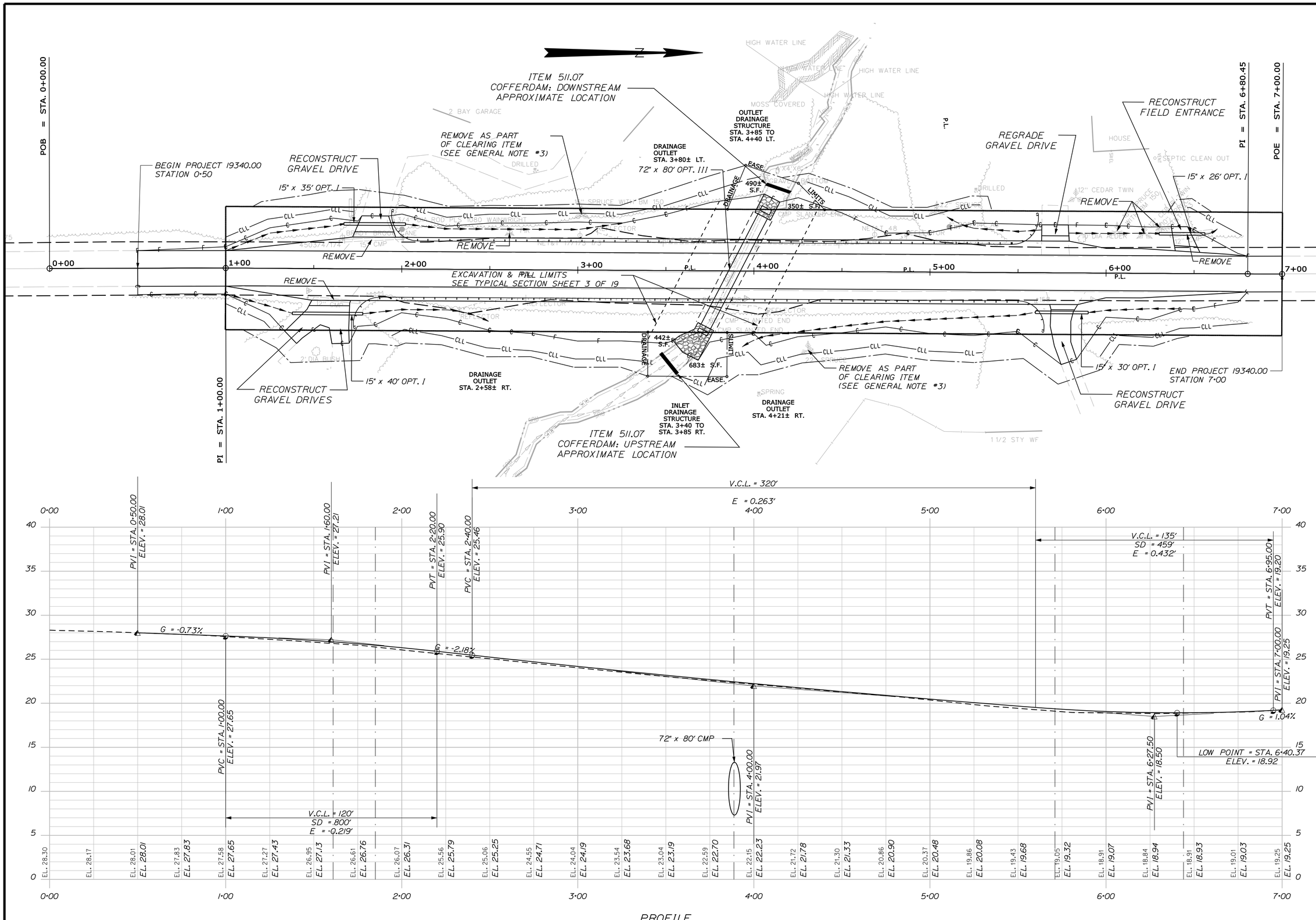
DATE

TRENTON
ROUTE 230

TYPICAL SECTIONS

SHEET NUMBER
3
OF 19

Filename: ...\msta\003_Typical_002.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN 19340.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
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DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

TRENTON
ROUTE 230

PLANS

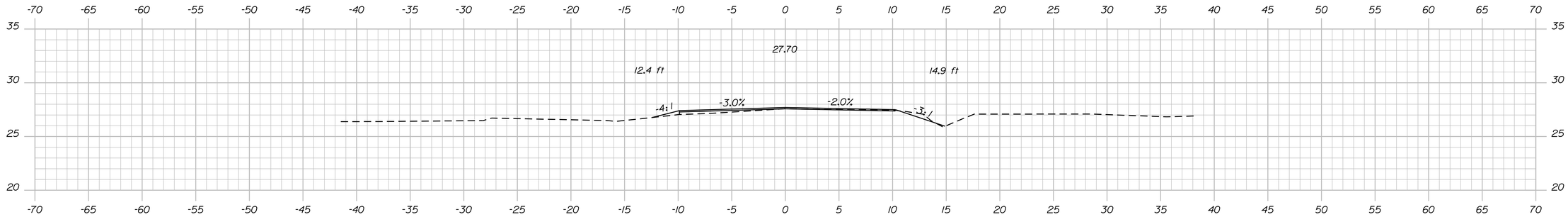
SHEET NUMBER

4

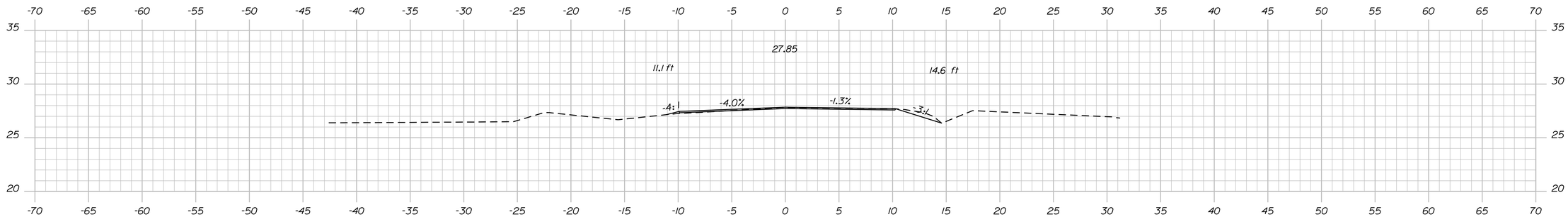
OF 19

STA. 0+50.00 TO STA. 7+00.00

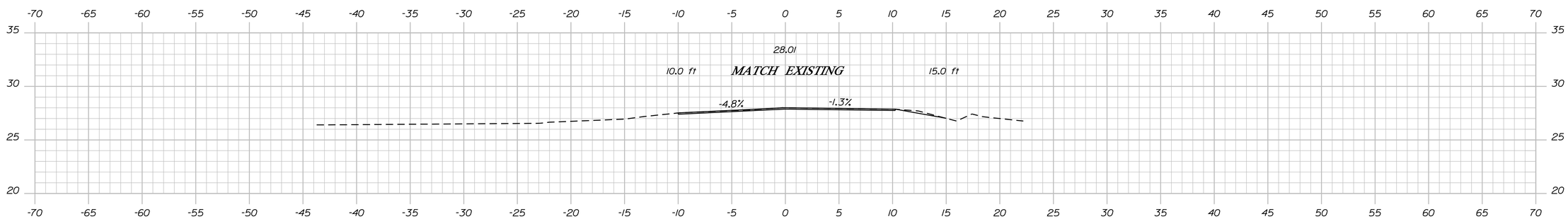
Filename: ...\highway\mslo\004_HDPLAN1.DGN Division: HIGHWAY Username: bill.lucas Date:3/13/2013



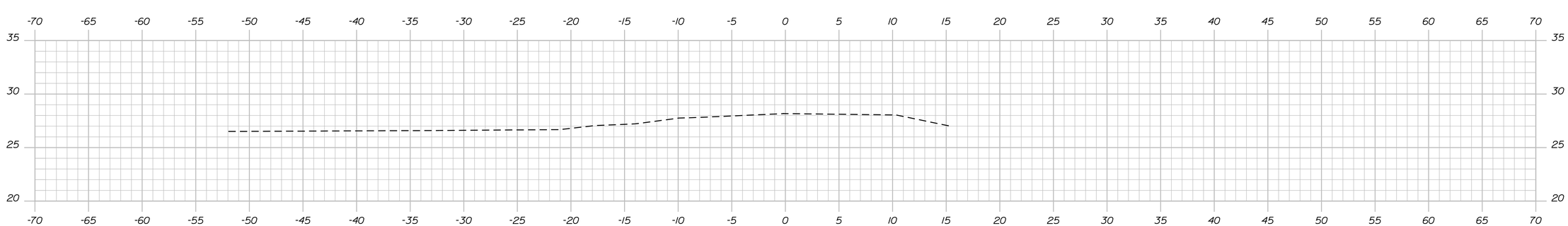
1+00.00



0+75.00



0+50.00



0+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN 19340.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	K.BRESKIN	T. WHITE	JUNE 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
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SIGNATURE

P.E. NUMBER

DATE

TRENTON
ROUTE 230

CROSS SECTIONS

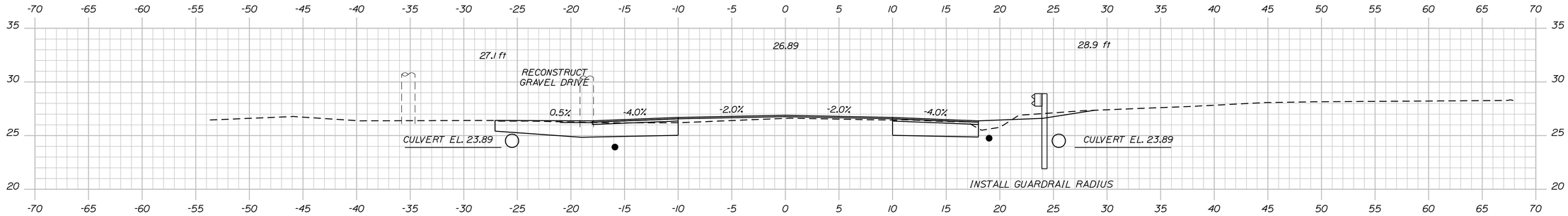
SHEET NUMBER

5

OF 19

Sta. 0+25.00 to Sta. 1+00.00

Filename: ...\msta\005_Xsect_0+25_001.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013



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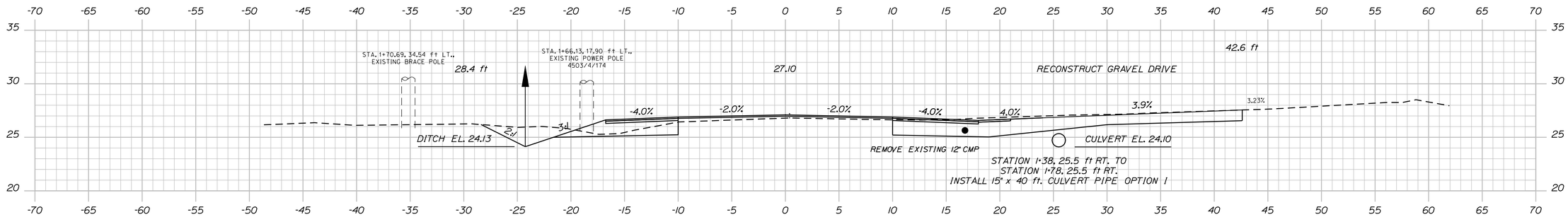
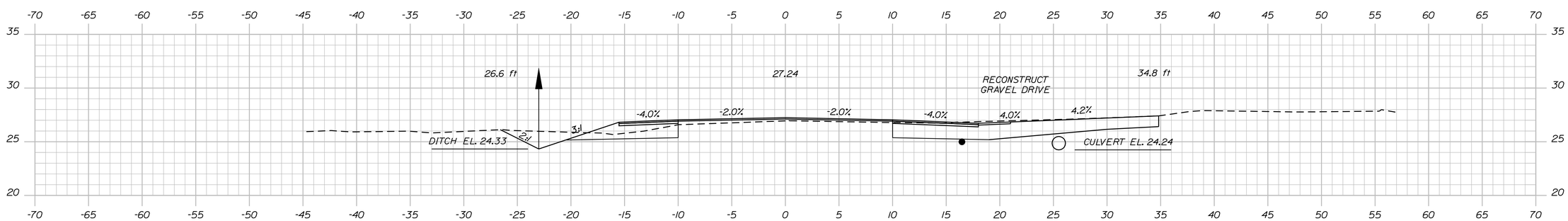


1+61.00



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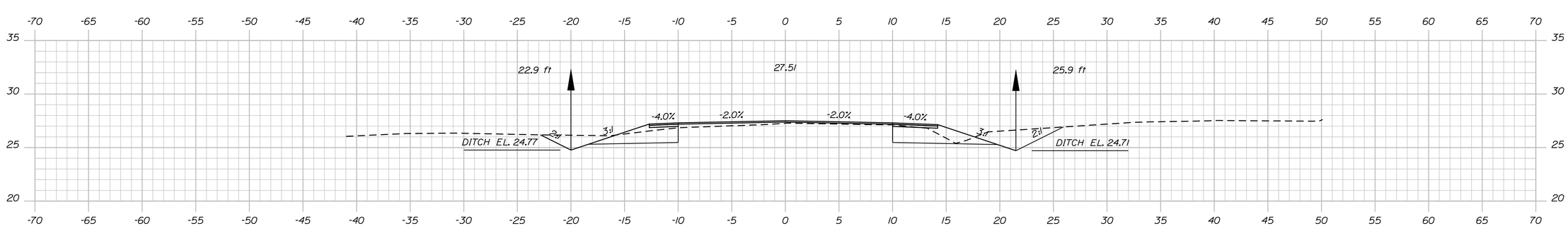

1+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN 19340.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	JUNE 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

TRENTON
ROUTE 230

CROSS SECTIONS

SHEET NUMBER

6

OF 19

Sta. 1+25.00 to Sta. 1+75.00

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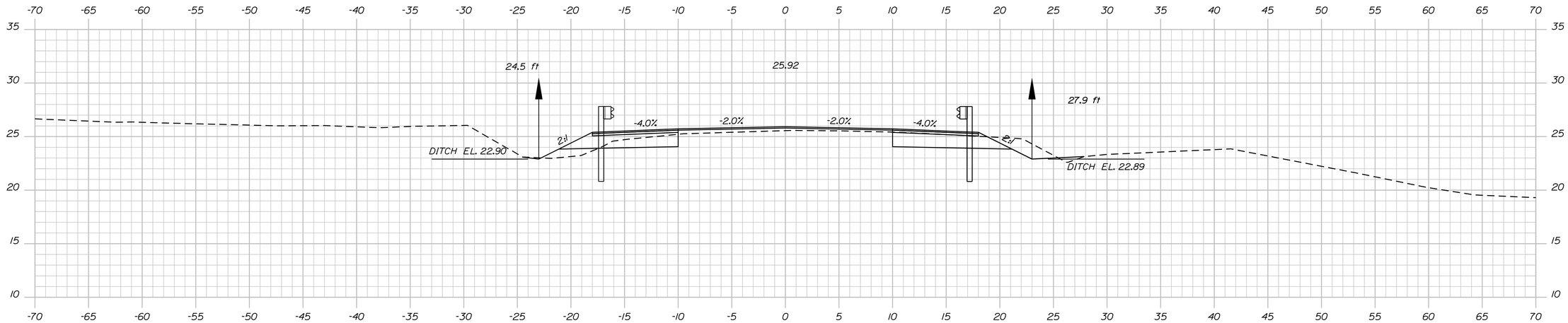
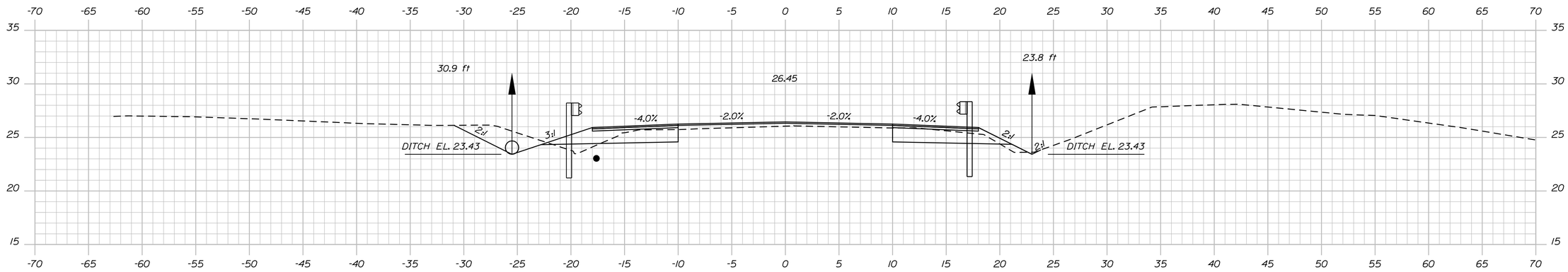
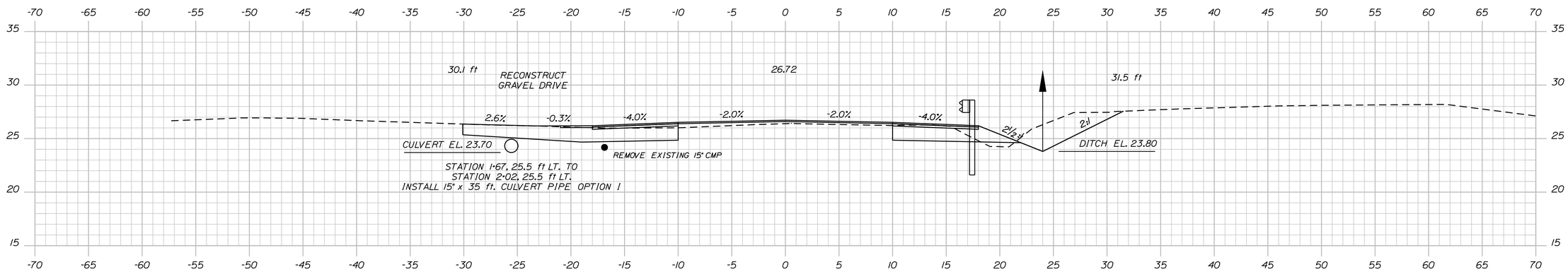


2+25.00



2+00.00



1+85.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN
19340.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	JUNE 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

TRENTON
ROUTE 230

CROSS SECTIONS

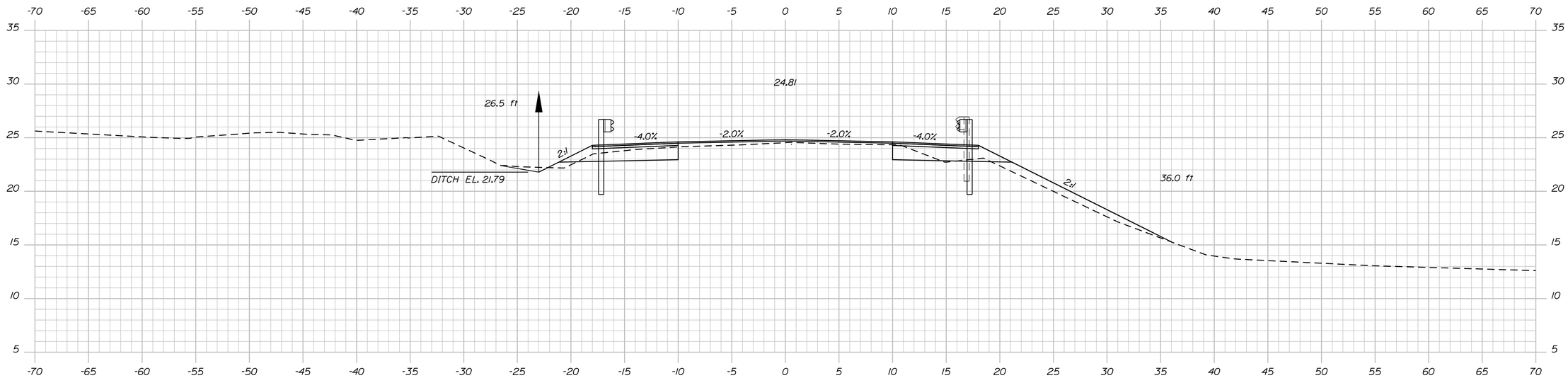
SHEET NUMBER

7

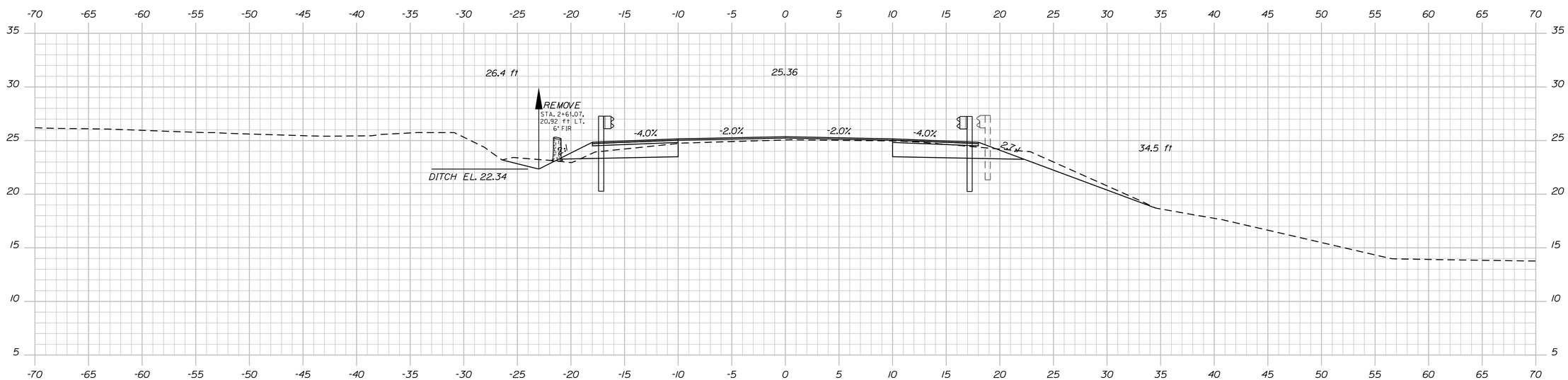
OF 19

Sta. 1+85.00 to Sta. 2+25.00

Filename: ...\msta\007_Xsect_1+85_003.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013



2+75.00



2+50.00

Sta. 2+50.00 to Sta. 2+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN 19340.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	JUNE 2013
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
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REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

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DATE

TRENTON
ROUTE 230

CROSS SECTIONS

SHEET NUMBER

8

OF 19

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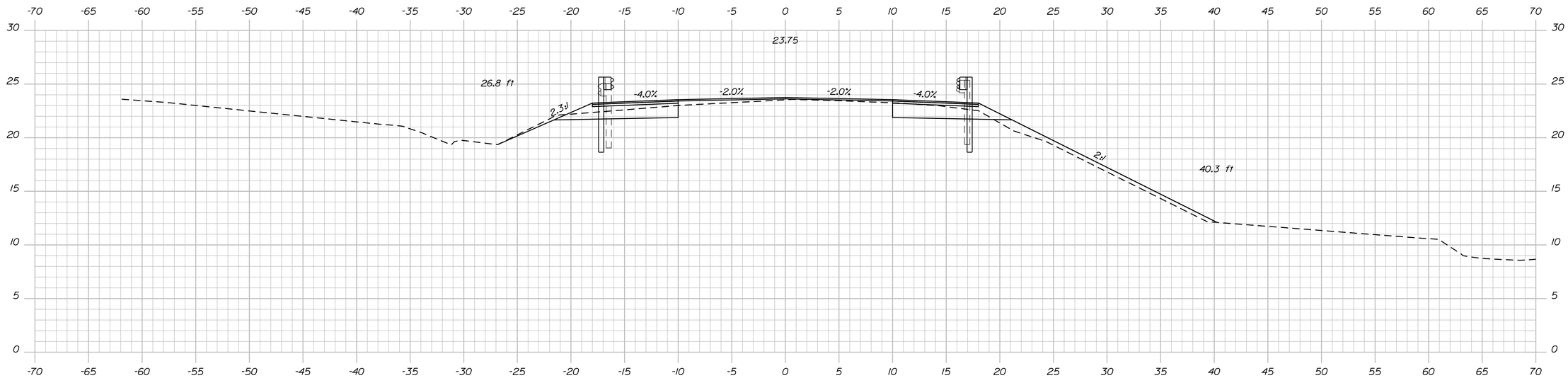

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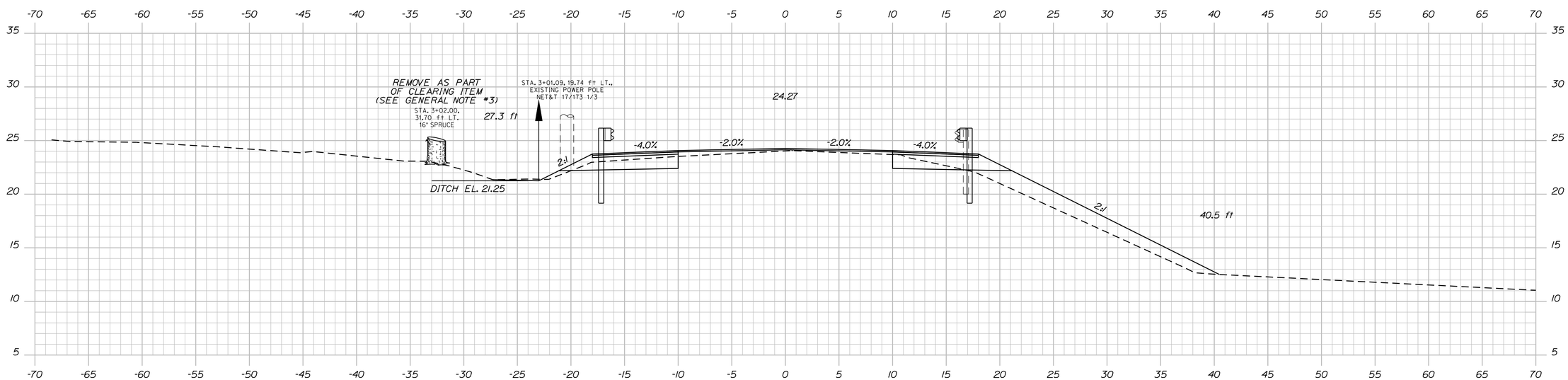

3+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN
19340.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	B. LUCAS	B. LUCAS	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	JUNE 2013
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REVISIONS 1	-----		-----
REVISIONS 2	-----		-----
REVISIONS 3	-----		-----
REVISIONS 4	-----		-----
FIELD CHANGES	-----		-----

SIGNATURE

P.E. NUMBER

DATE

TRENTON
ROUTE 230

CROSS SECTIONS

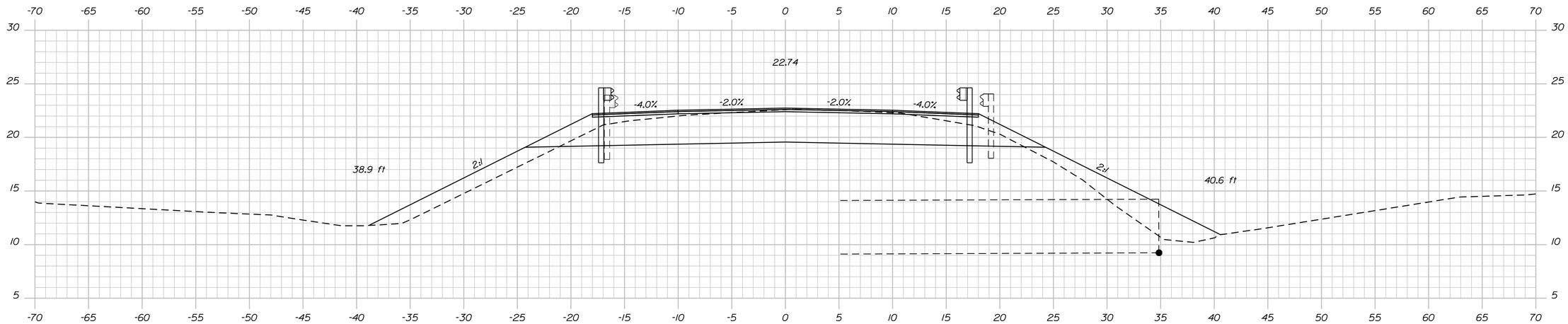
SHEET NUMBER

9

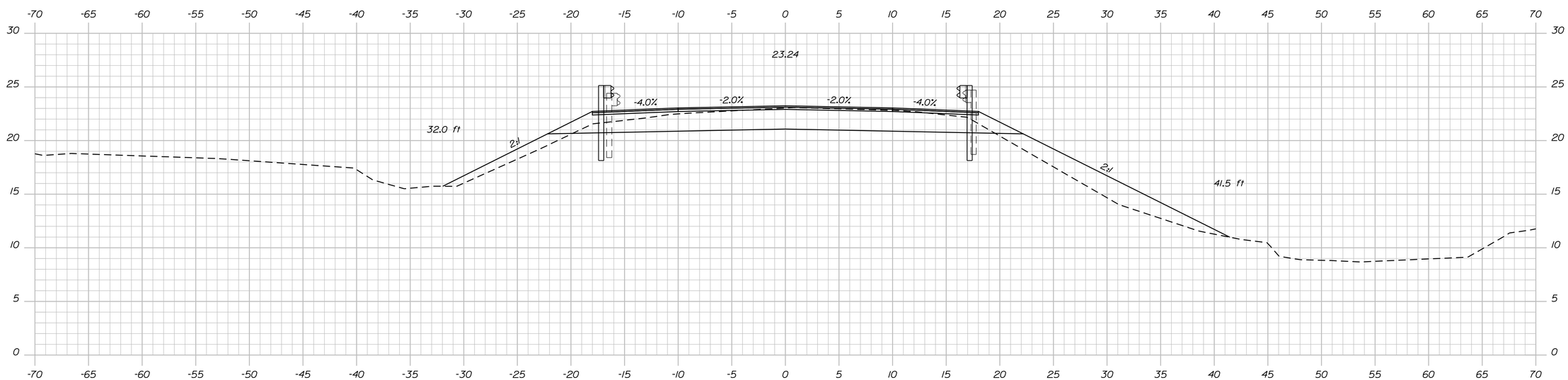
OF 19

Filename: ...\msta\009_Xsect_3+00_005.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013

Sta. 3+00.00 to Sta. 3+25.00



3+75.00



3+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN
19340.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
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TRENTON
ROUTE 230

CROSS SECTIONS

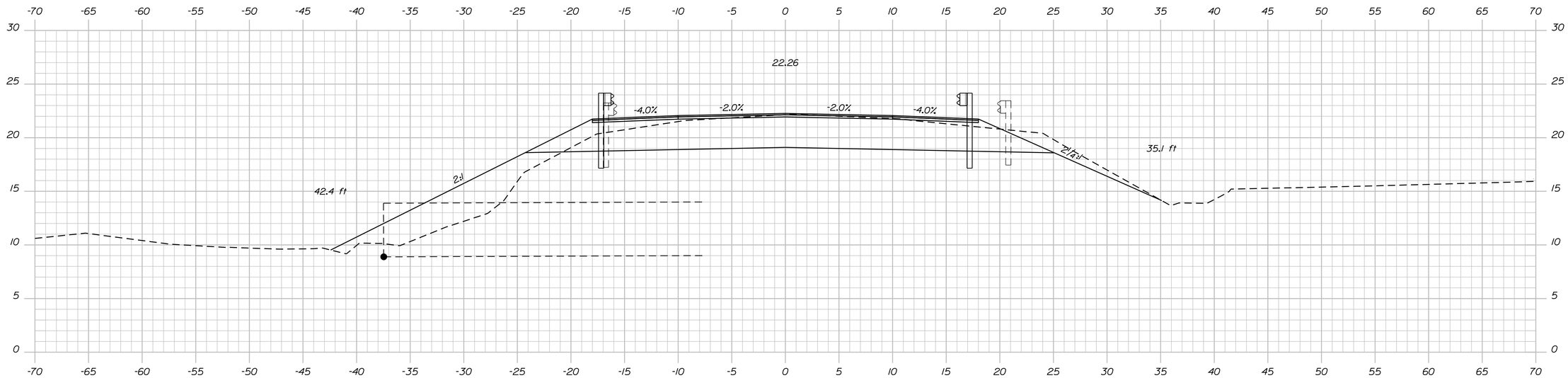
SHEET NUMBER

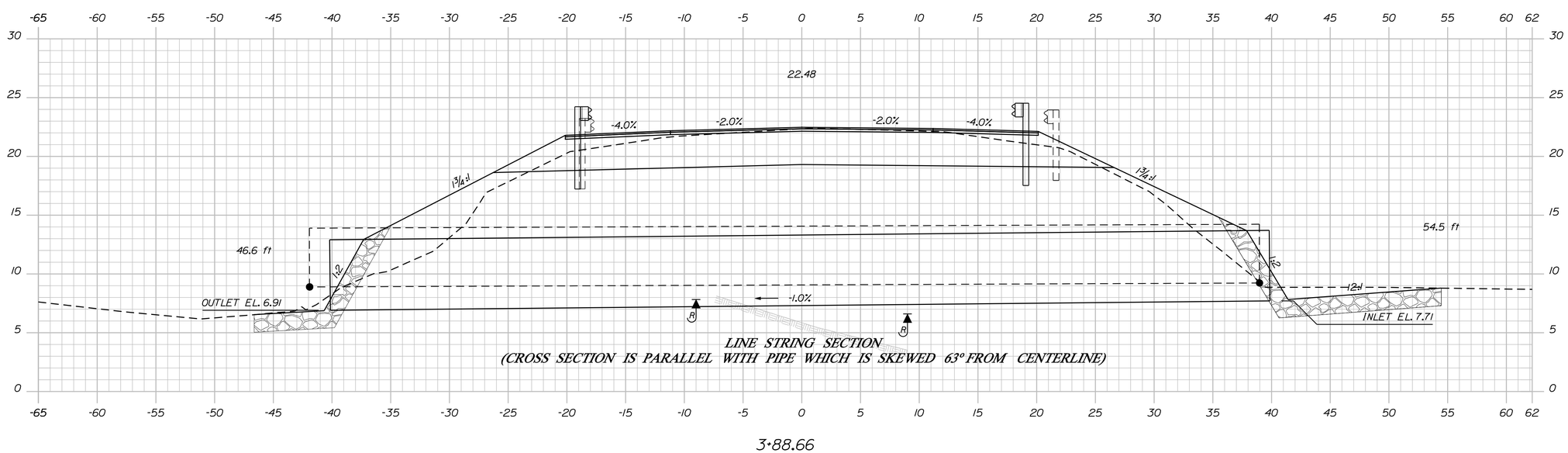
10

OF 19

Sta. 3+50.00 to Sta. 3+75.00

Filename: ...\msta\010_Xsect_3+50_006.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013





STATE OF MAINE
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019340.00

WIN 19340.00

HIGHWAY PLANS

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REVISIONS 1	------	------	------
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REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
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SIGNATURE

P.E. NUMBER

DATE

TRENTON
ROUTE 230

CROSS SECTIONS

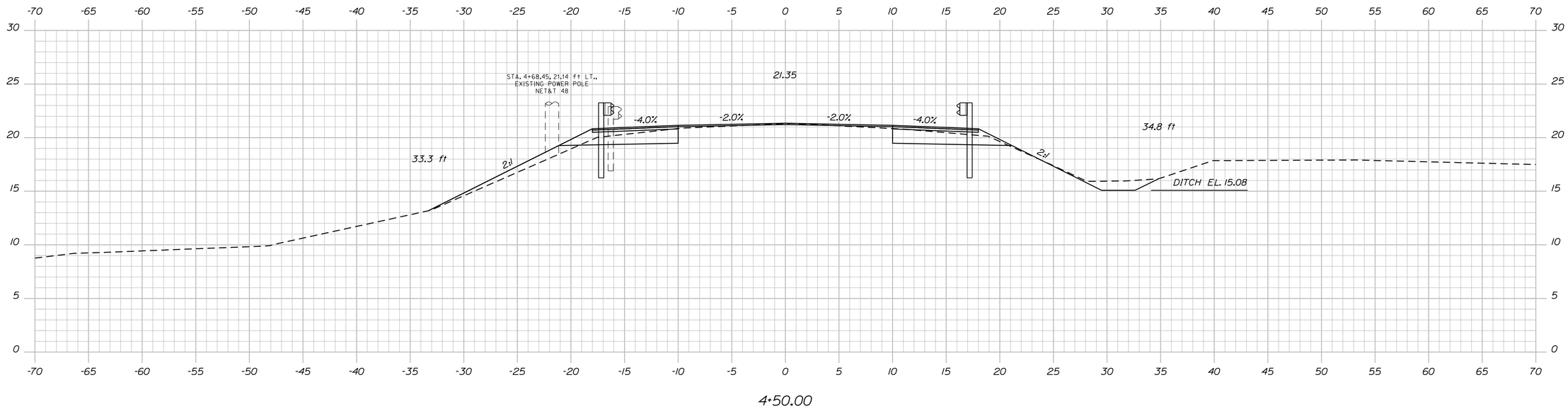
SHEET NUMBER

11

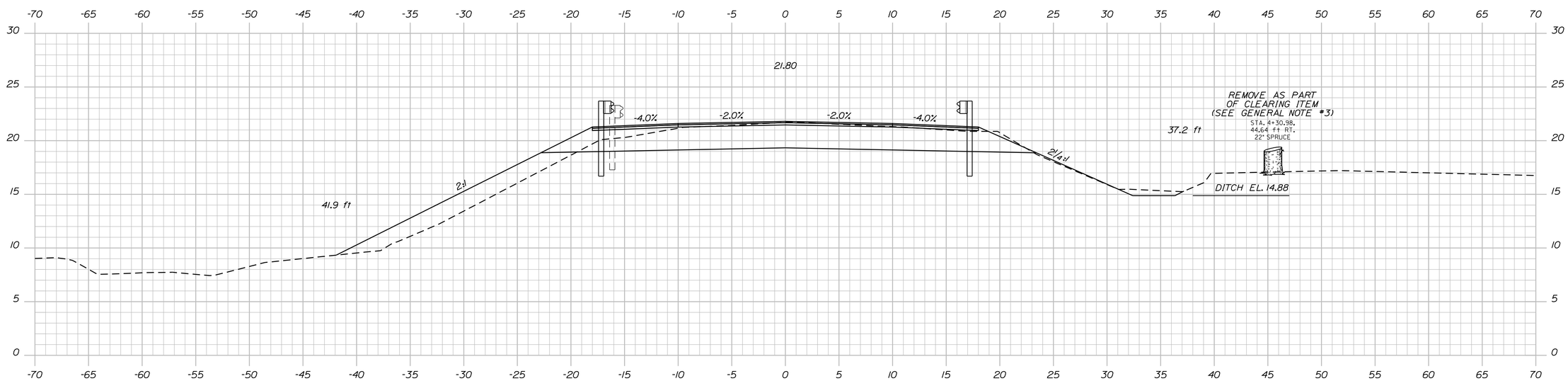
OF 19

Sta. 3+88.66 to Sta. 4+00.00

Filename: ...\msta\011_Xsect_3+88_007.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013



4+50.00



4+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN
19340.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	JUNE 2013
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REVISIONS 4	------	------	------
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P.E. NUMBER

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TRENTON
ROUTE 230

CROSS SECTIONS

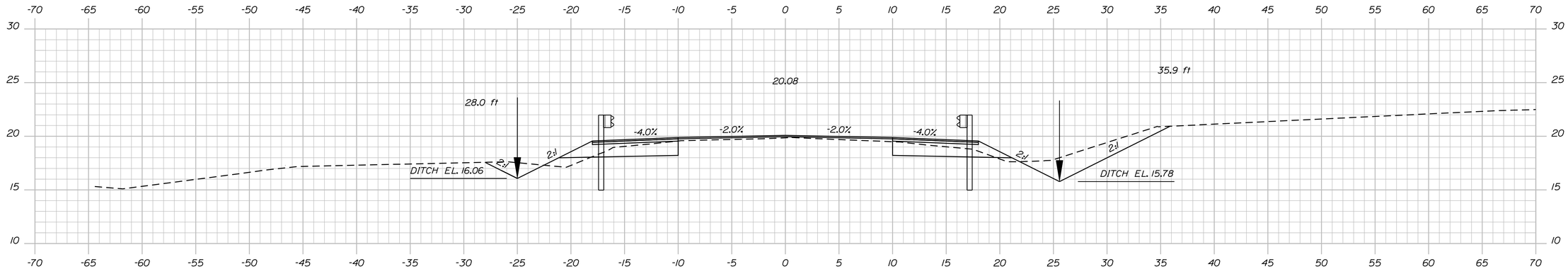
SHEET NUMBER

12

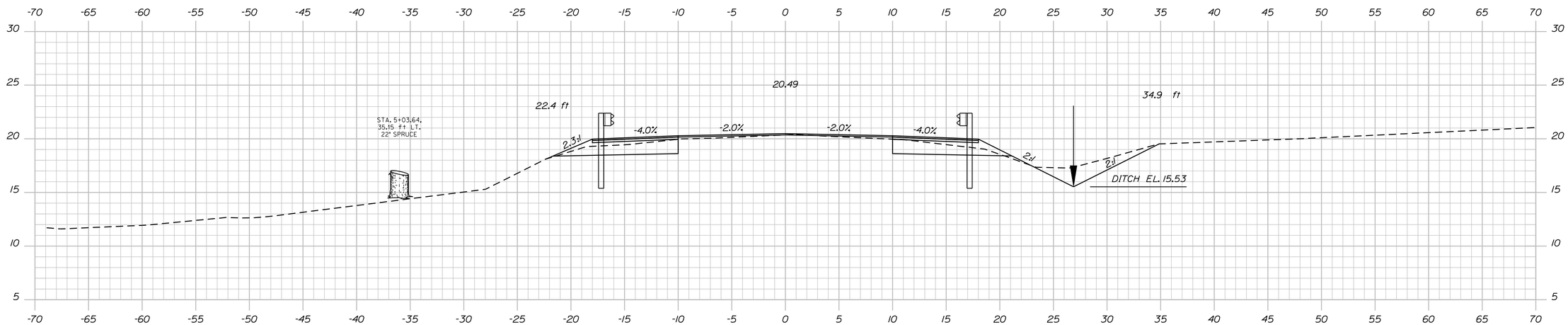
OF 19

Sta. 4+25.00 to Sta. 4+50.00

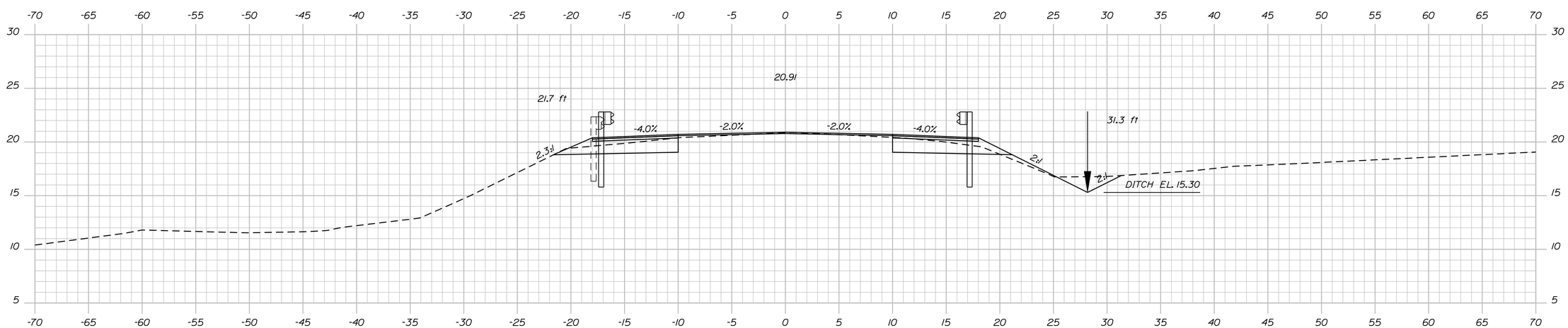
Filename: ...\msta\012_Xsect_4+25_008.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013



5+25.00



5+00.00



4+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN
19340.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	JUNE 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

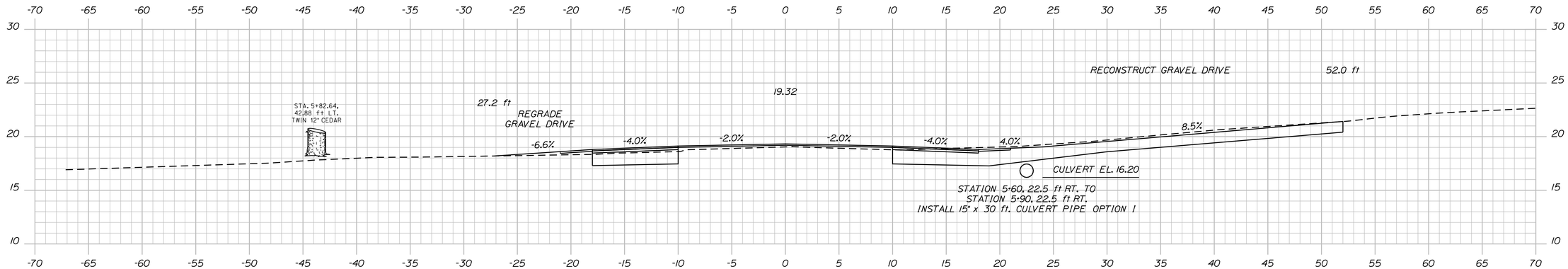
TRENTON
ROUTE 230

CROSS SECTIONS

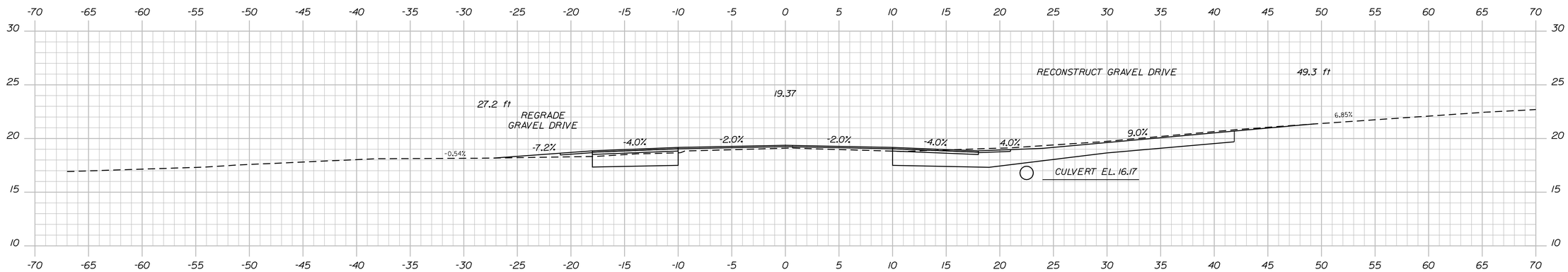
SHEET NUMBER
13
OF 19

Sta. 4+75.00 to Sta. 5+25.00

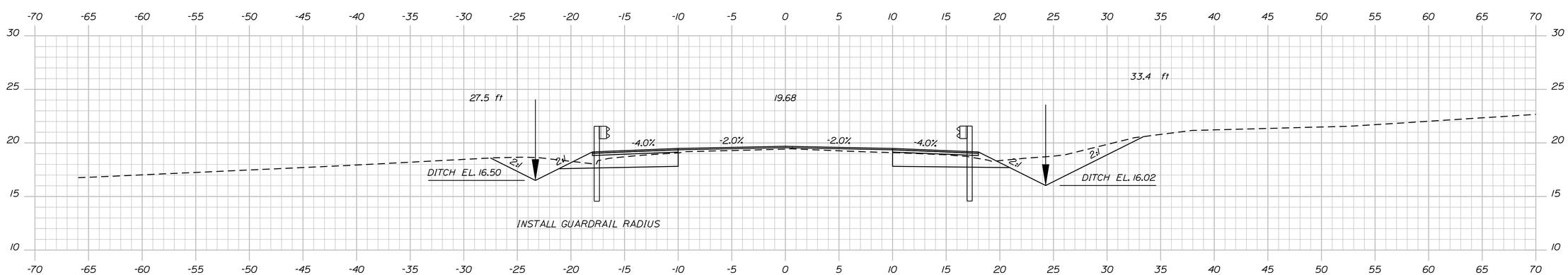
Filename: ...\msta\013_Xsect_4+75_009.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013



5+75.00



5+71.00



5+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN
19340.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	JUNE 2013
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

TRENTON
ROUTE 230

CROSS SECTIONS

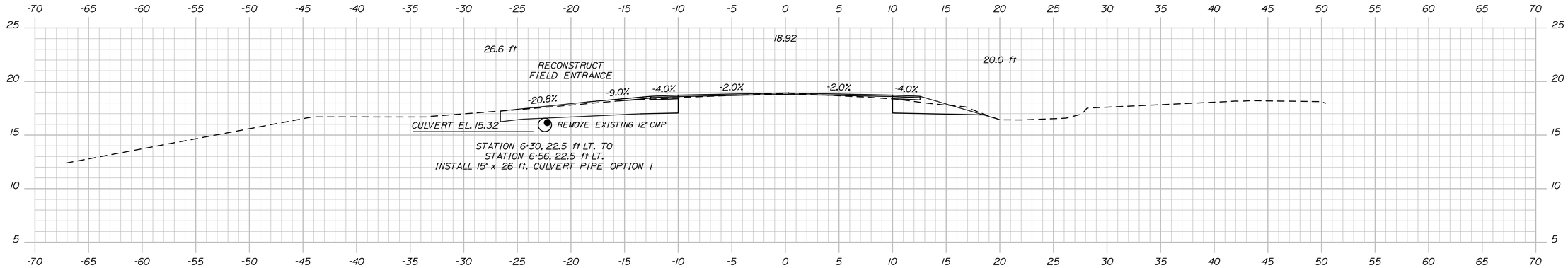
SHEET NUMBER

14

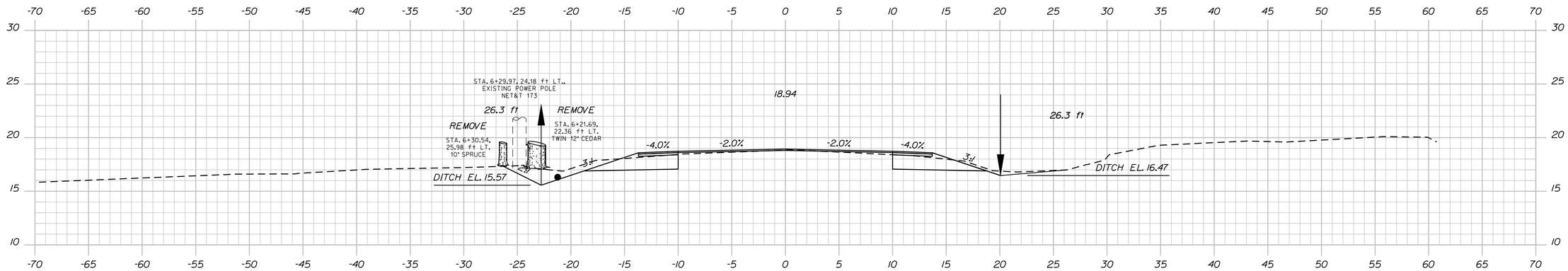
OF 19

Sta. 5+50.00 to Sta. 5+75.00

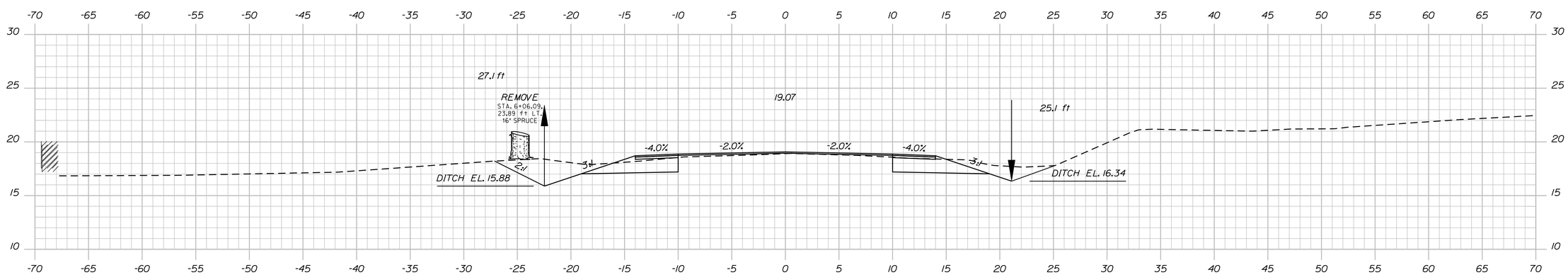
Filename: ...\msta\014_Xsect_5+50_010.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013



6+44.00



6+25.00



6+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN
19340.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	S. DAVIS		
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	JUNE 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

TRENTON
ROUTE 230

CROSS SECTIONS

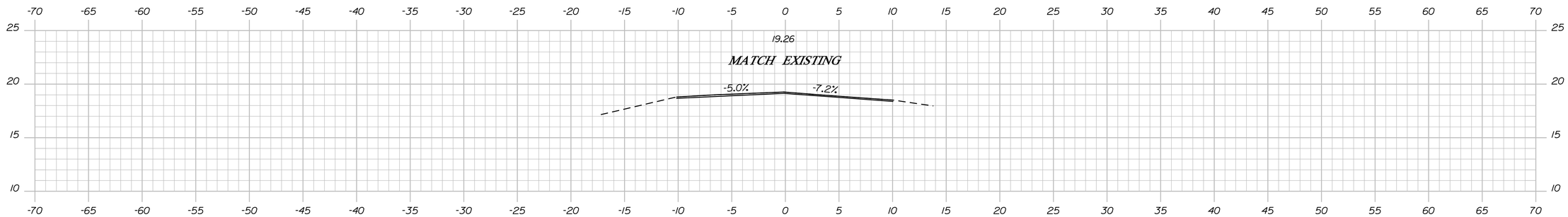
SHEET NUMBER

15

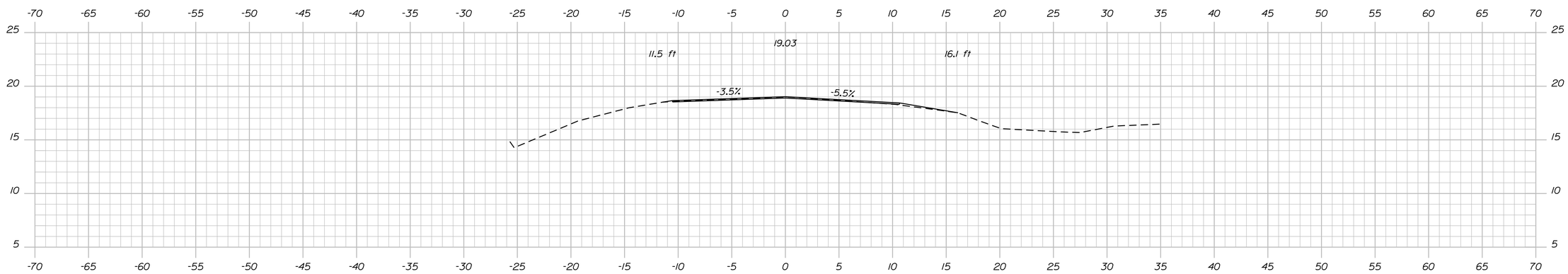
OF 19

Sta. 6+00.00 to Sta. 6+44.00

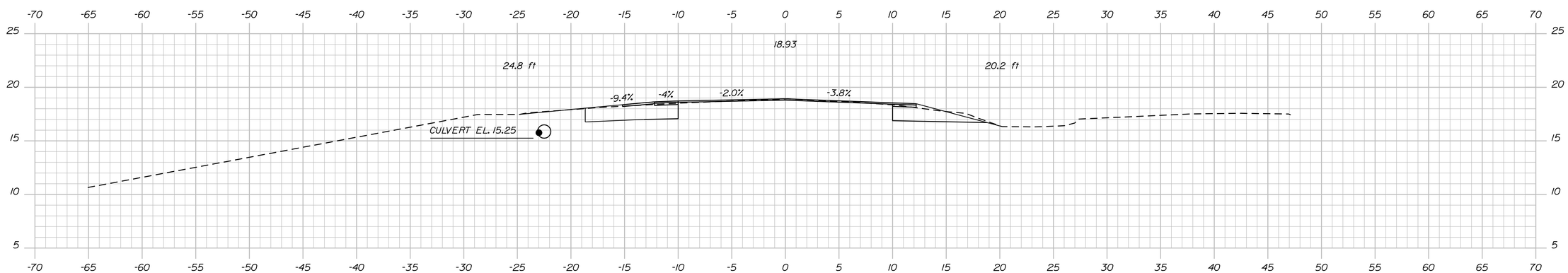
Filename: ...\msta\015_Xsect_6+00_011.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013



7+00.00



6+75.00



6+50.00

Sta. 6+50.00 to Sta. 7+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN 19340.00

HIGHWAY PLANS

PROJ. MANAGER	S. DAVIS	BY	DATE
DESIGN-DETAILED	B. LUCAS	B. LUCAS	
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	K.BRESKIN	T.WHITE	JUNE 2013
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

TRENTON
ROUTE 230

CROSS SECTIONS

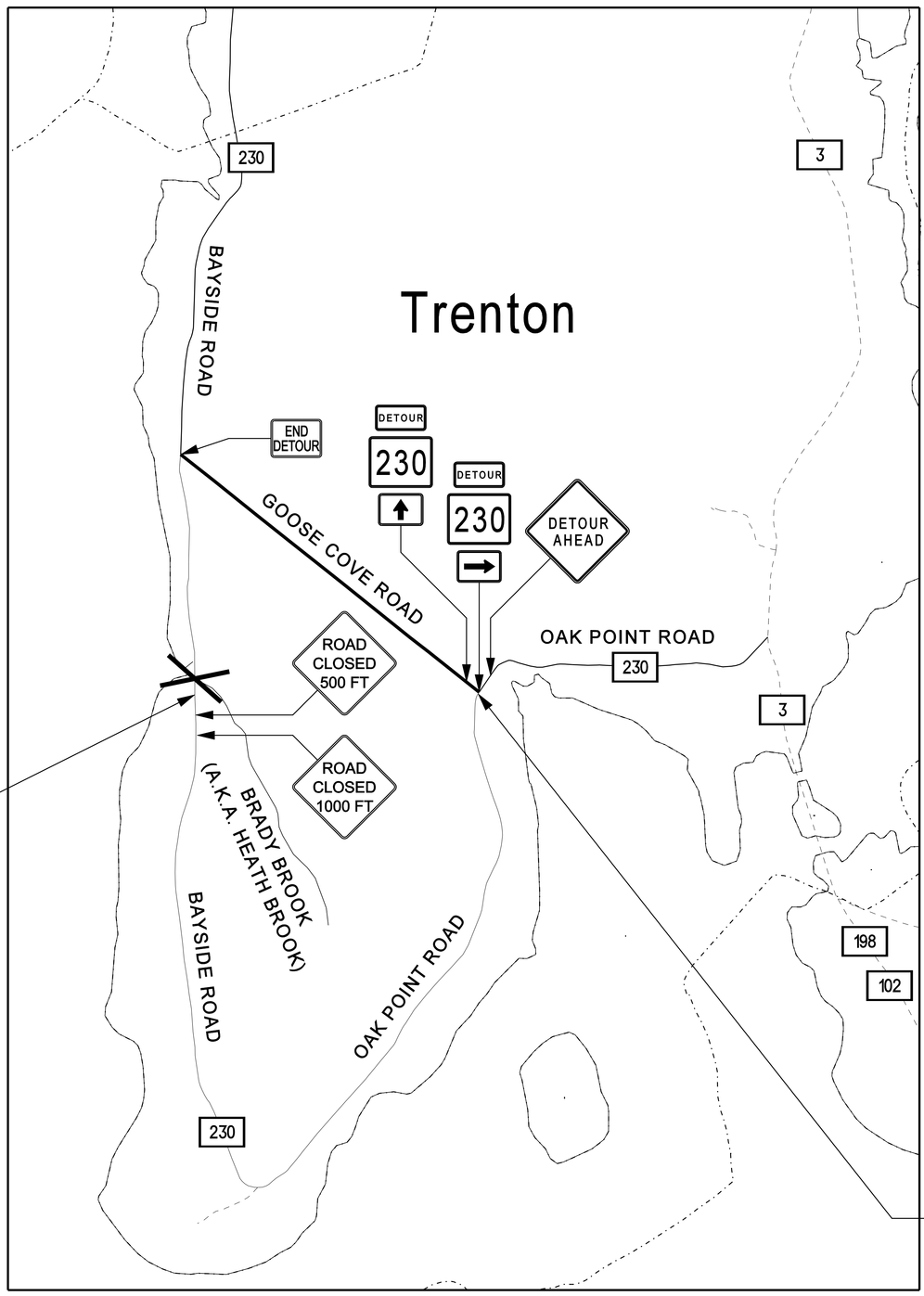
SHEET NUMBER

16

OF 19

Filename: ...\msta\016_Xsect_6+50_012.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013

MAINE DEPARTMENT OF TRANSPORTATION
ROUTE 230 (BAYSIDE ROAD / OAK POINT ROAD)
(WEST BOUND)

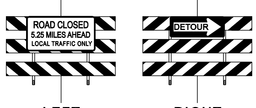


ROAD CLOSED

ROAD CLOSED
5.25 MILES AHEAD
LOCAL TRAFFIC ONLY

DETOUR

NOT TO SCALE



LEFT OF STREET

RIGHT OF STREET

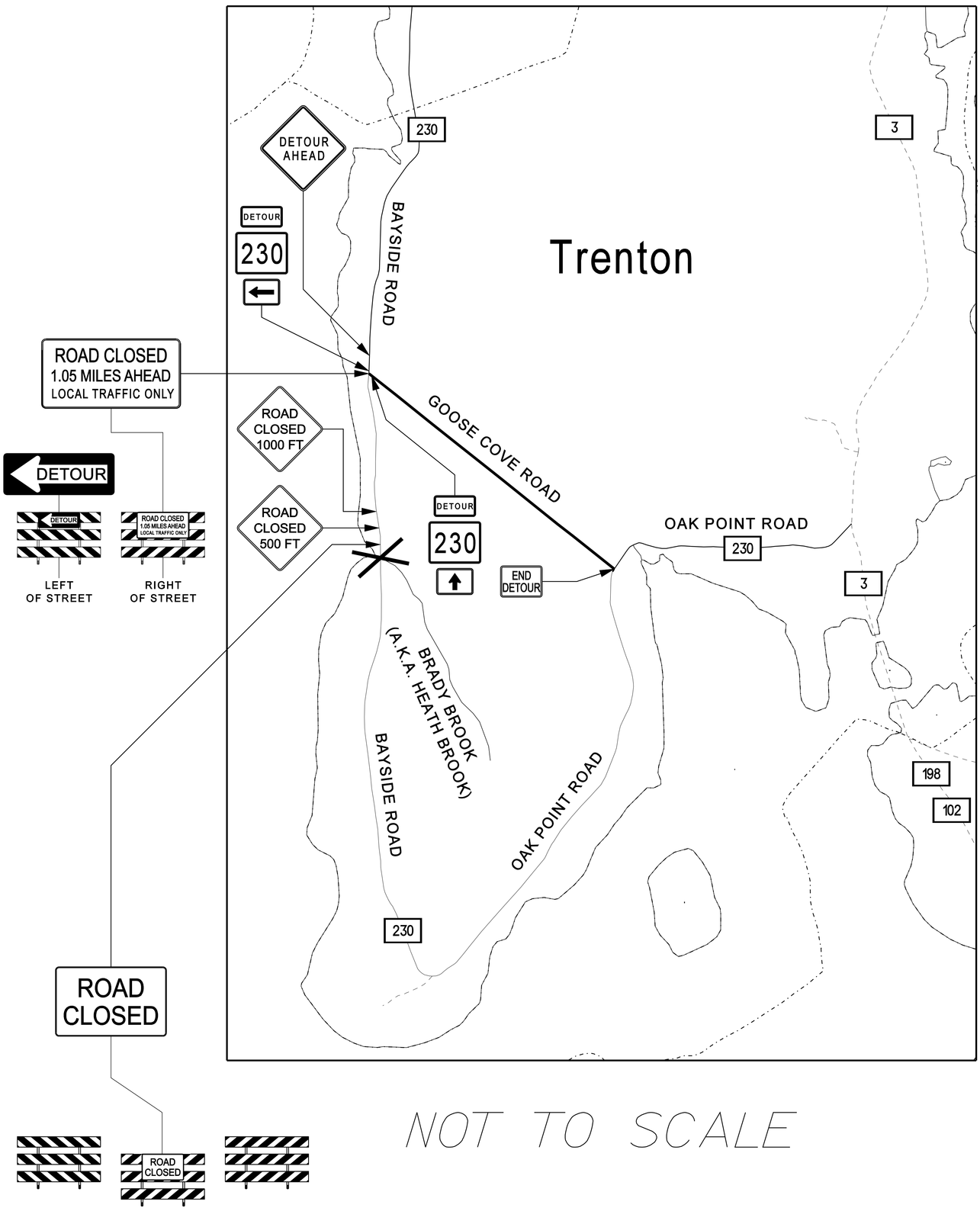
SHEET NUMBER 17 OF 19	TRENTON ROUTE 230	PROJ. MANAGER S. DAVIS	BY	DATE
		DESIGN-DETAILED B. LUCAS	B. LUCAS	
		CHECKED-REVIEWED		
		DESIGN2-DETAILED2 K.BRESKIN	T.WHITE	
		DESIGN3-DETAILED3		
		REVISIONS 1		
		REVISIONS 2		
		REVISIONS 3		
		REVISIONS 4		
		FIELD CHANGES		
	DETOUR PLAN	SIGNATURE		
		P.E. NUMBER		
		DATE		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

019340.00

WIN 19340.00 HIGHWAY PLANS

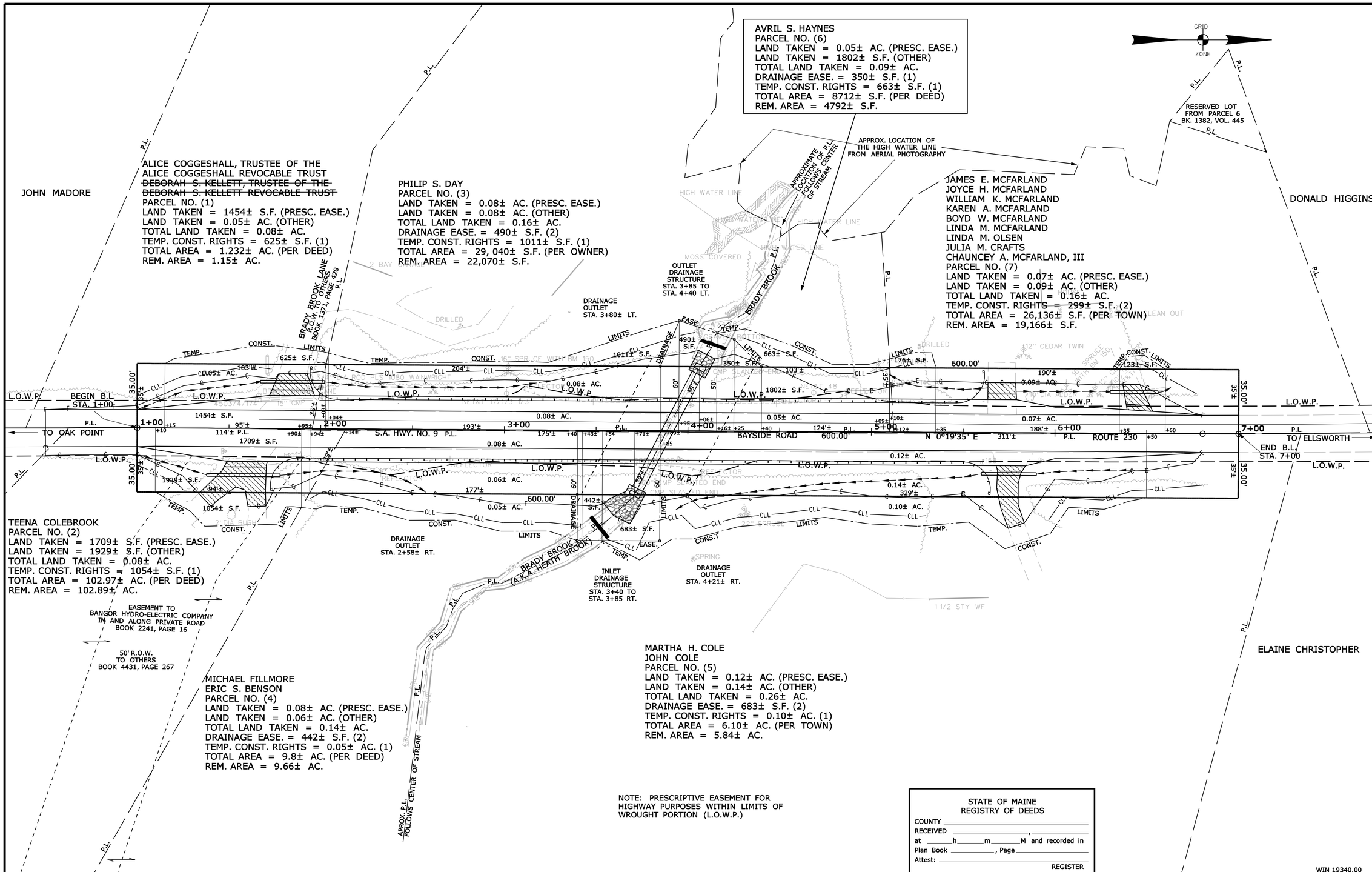
MAINE DEPARTMENT OF TRANSPORTATION
ROUTE 230 (BAYSIDE ROAD / OAK POINT ROAD)
(EAST BOUND)



SHEET NUMBER 18 OF 19	TRENTON ROUTE 230 DETOUR PLAN	PROJ. MANAGER S. DAVIS	BY	DATE
		DESIGN-DETAILED B. LUCAS	B. LUCAS	
		CHECKED-REVIEWED		
		DESIGN2-DETAILED2 K.BRESKIN	T.WHITE	
		DESIGN3-DETAILED3		
		REVISIONS 1		
		REVISIONS 2		
		REVISIONS 3		
		REVISIONS 4		
		FIELD CHANGES		

SIGNATURE
P.E. NUMBER
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
019340.00
WIN 19340.00
HIGHWAY PLANS



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

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

WIN 19340.00

SYMBOLS
IP or PIPE (IRON PIPE or PIN FOUND)
ST. (SEPTIC TANK)
RM (ROW MONUMENT)
BM (TRAVERSE POINT)
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
WATER LINE
GAS LINE
ELECTRIC LINE
TELEPHONE LINE
SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	BDM	BDM
PROP. LINES	BDM	BDM
AREAS	BDM	BDM

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

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	9/13/12	REVISED OWNERSHIP PARCEL NO. (1)	BDM

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	9/10/12	5888	209

DAVID BERNHARDT
COMMISSIONER
KENNETH L. SWEENEY
CHIEF ENGINEER
DATE

STATE OF MAINE
BENJAMIN M. DARRAH 2399
PROFESSIONAL LAND SURVEYOR

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

STATE AID HIGHWAY NO. 9
ROUTE 230 BAYSIDE ROAD
TRENTON HANCOCK COUNTY
STATE PROJECT NO. 19340.00

APRIL 2012 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-291
SCALE 1" = 25' | SHEET 1 OF 1

SHEET NUMBER
19
OF 19

Filename: ...\00\ROW\MSTA\001_RWPLAN1.dgn Division: HIGHWAY Username: bill.lucas Date:3/13/2013