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
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 — W
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

CUMBERLAND

CUMBERLAND

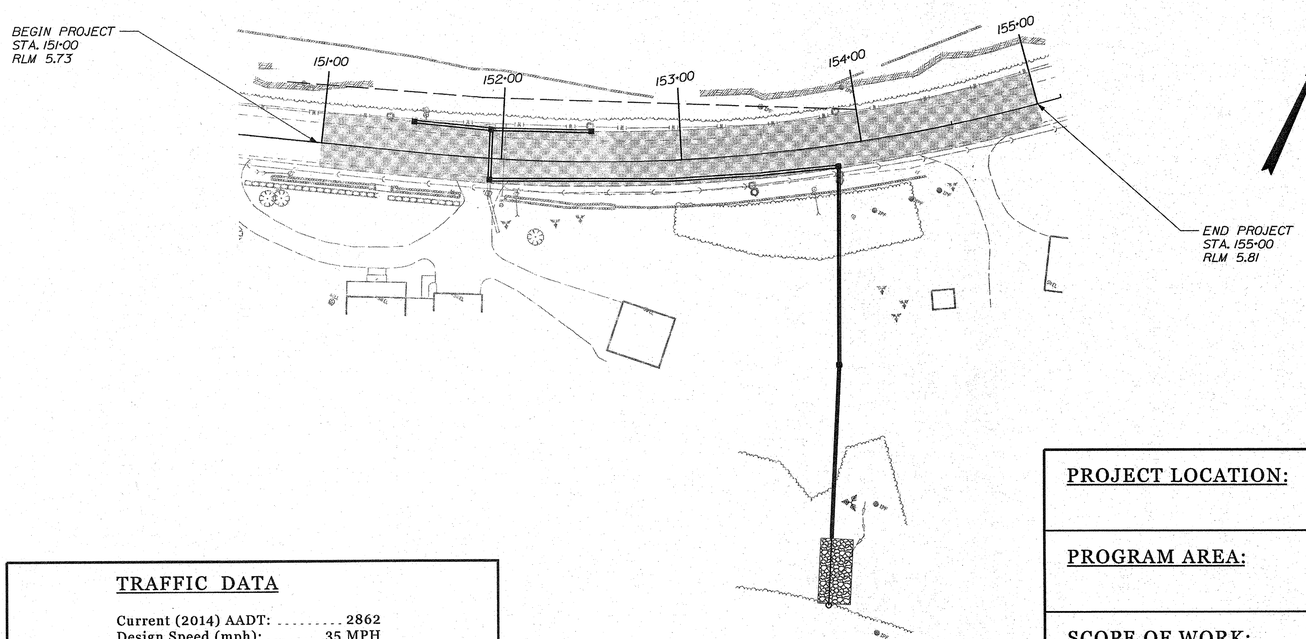
ROUTE 88

STATE PROJECT NO. 18587.00

PROJECT LENGTH : 0.08 MILES

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical	2-3
Plan	4
Outlet Profile	5
Cross - Sections	6-12



LAYOUT SCALE

50 0 50 100

Scale in Feet

TRAFFIC DATA

Current (2014) AADT: 2862
Design Speed (mph): ..... 35 MPH
Functional Class: .... Major Collector
Corridor Priority: 5

PROJECT LOCATION:	Beginning 0.19 miles northerly of the intersection of Teal Drive (RLM 5.54) and extending 400'
PROGRAM AREA:	Highway
SCOPE OF WORK:	Drainage Improvements

WIN 18587.00 18587.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED — DATE
COMMISSIONER: — 3/18/16
CHIEF ENGINEER: — 3-17-16

STATE OF MAINE — Robert — 13022 — LICENSED — PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 13022
DATE 3/4/16

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	R. BETZ
DESIGNER	R. ILLIAN
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

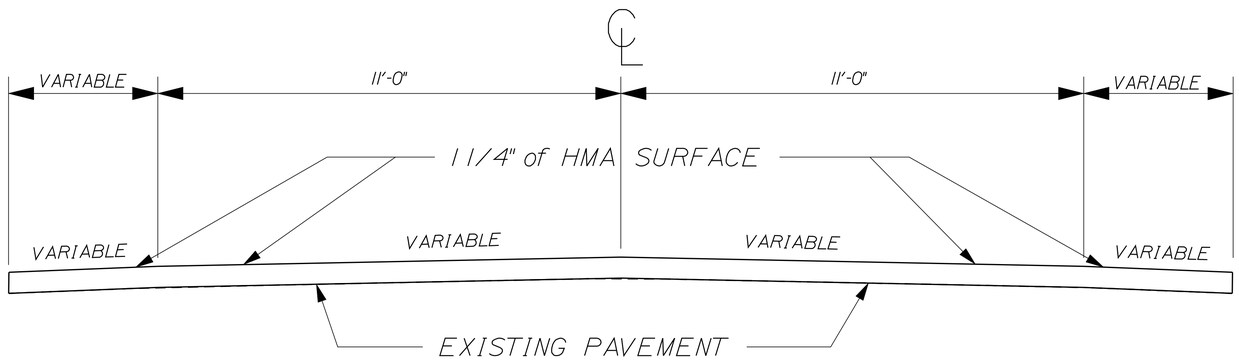
CUMBERLAND
ROUTE 88

TITLE SHEET

SHEET NUMBER
1
OF 12

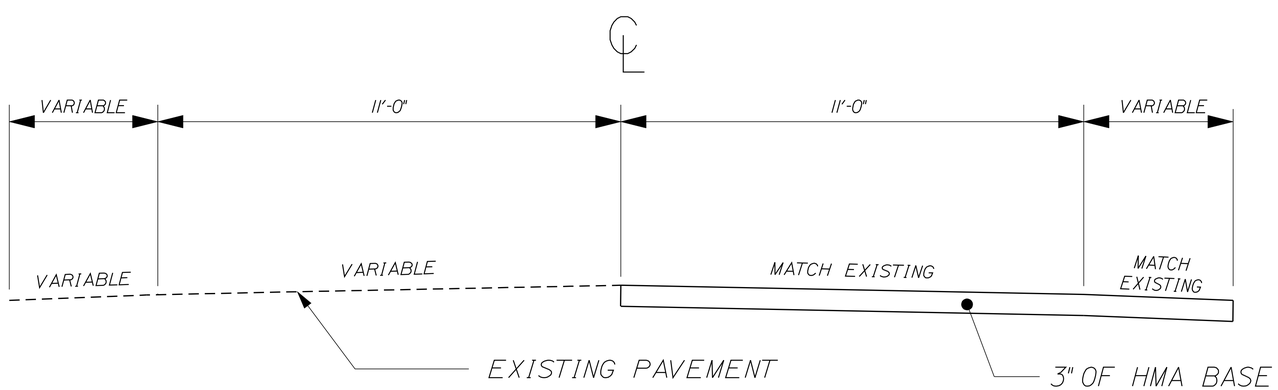
Filename: ...\00\HIGHWAY\MSTA\001_Title.dgn Division: HIGHWAY Username: ryan.hodgman Date:3/4/2016

1" HOT MIX ASPHALT OVERLAY



STATIONS
151+00 TO 155+00

3" BASE HMA RT SIDE



STATIONS
151+50 TO 154+50

NOTE:

1. THE PAVEMENT 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 SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.

3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF PAVEMENT SHALL BE STRAIGHT.

4. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVELWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN 18587.00

HIGHWAY PLANS

PROJ. MANAGER	R. BETZ	BY	DATE
DESIGN-DETAILED	R. ILLIAN	P. KALAJIAS	
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------		------
REVISIONS 2	------		------
REVISIONS 3	------		------
REVISIONS 4	------		------
FIELD CHANGES	------		------

SIGNATURE

P.E. NUMBER

DATE

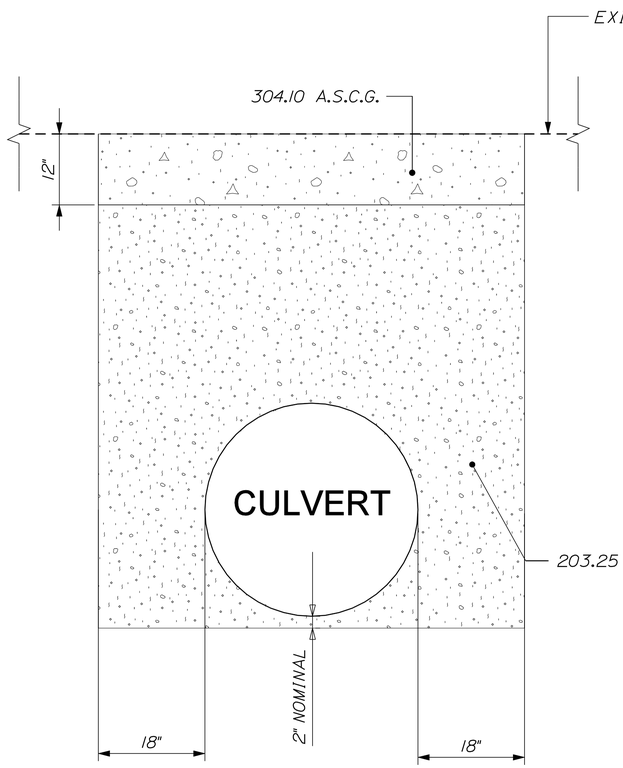
CUMBERLAND
ROUTE 88

TYPICAL SECTIONS

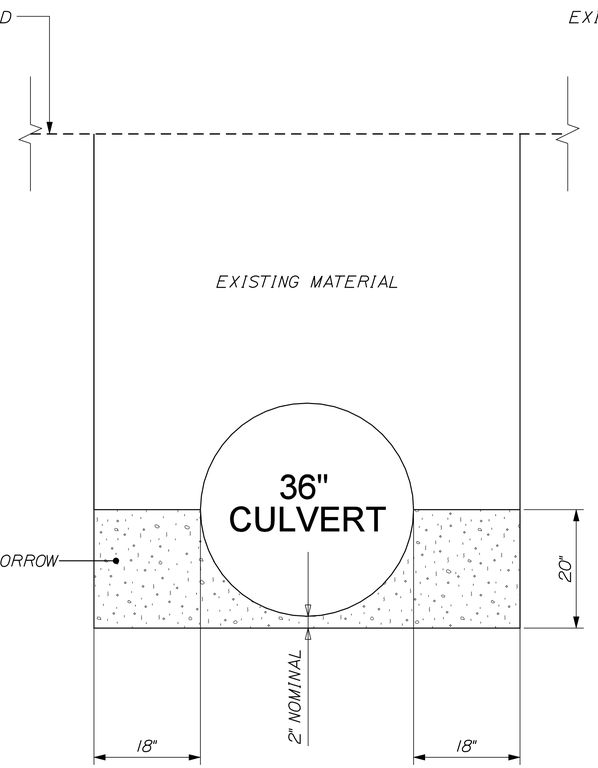
SHEET NUMBER
2
OF 12

Filename: ...\HIGHWAY\MSTA\002_Typical.dgn Division: HIGHWAY Username: ryan.hodgman Date:3/15/2016

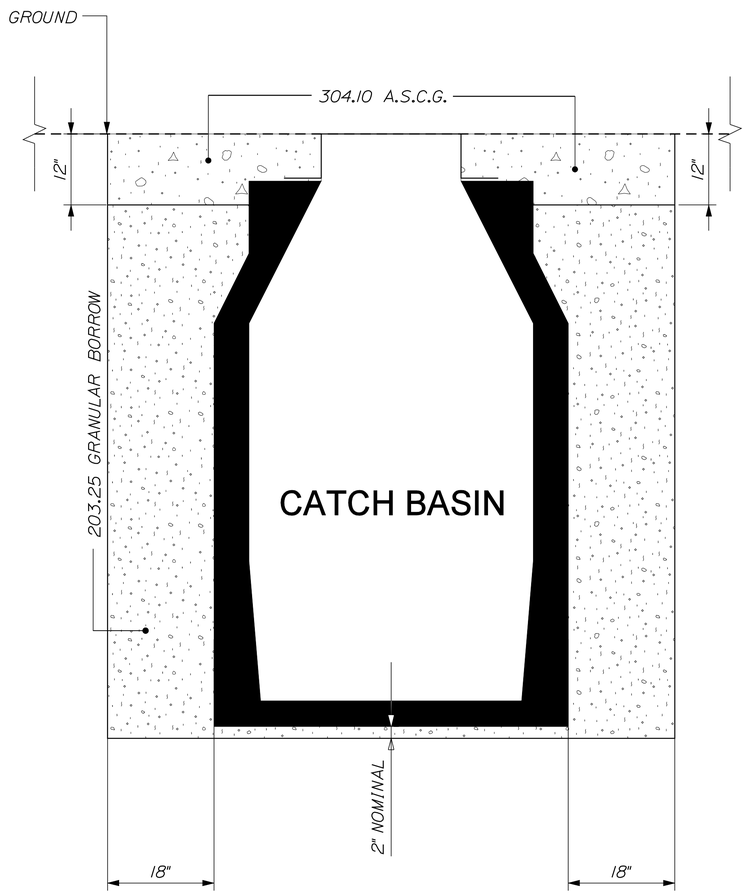
TYPICAL CULVERT INSTALLATION
ROADWAY
STA. 151+00 - 155+00



TYPICAL CULVERT INSTALLATION
OUTFALL
STA. 0+00 - 2+00



TYPICAL CATCH BASIN INSTALLATION



NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN 18587.00

HIGHWAY PLANS

PROJ. MANAGER	R. BETZ	BY	DATE
DESIGN-DETAILED	R. ILLIAN	P. KALAJAS	------
CHECKED-REVIEWED	------	------	------
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DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------		------
REVISIONS 2	------		------
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REVISIONS 4	------		------
FIELD CHANGES	------		------

SIGNATURE

P.E. NUMBER

DATE

CUMBERLAND
ROUTE 88

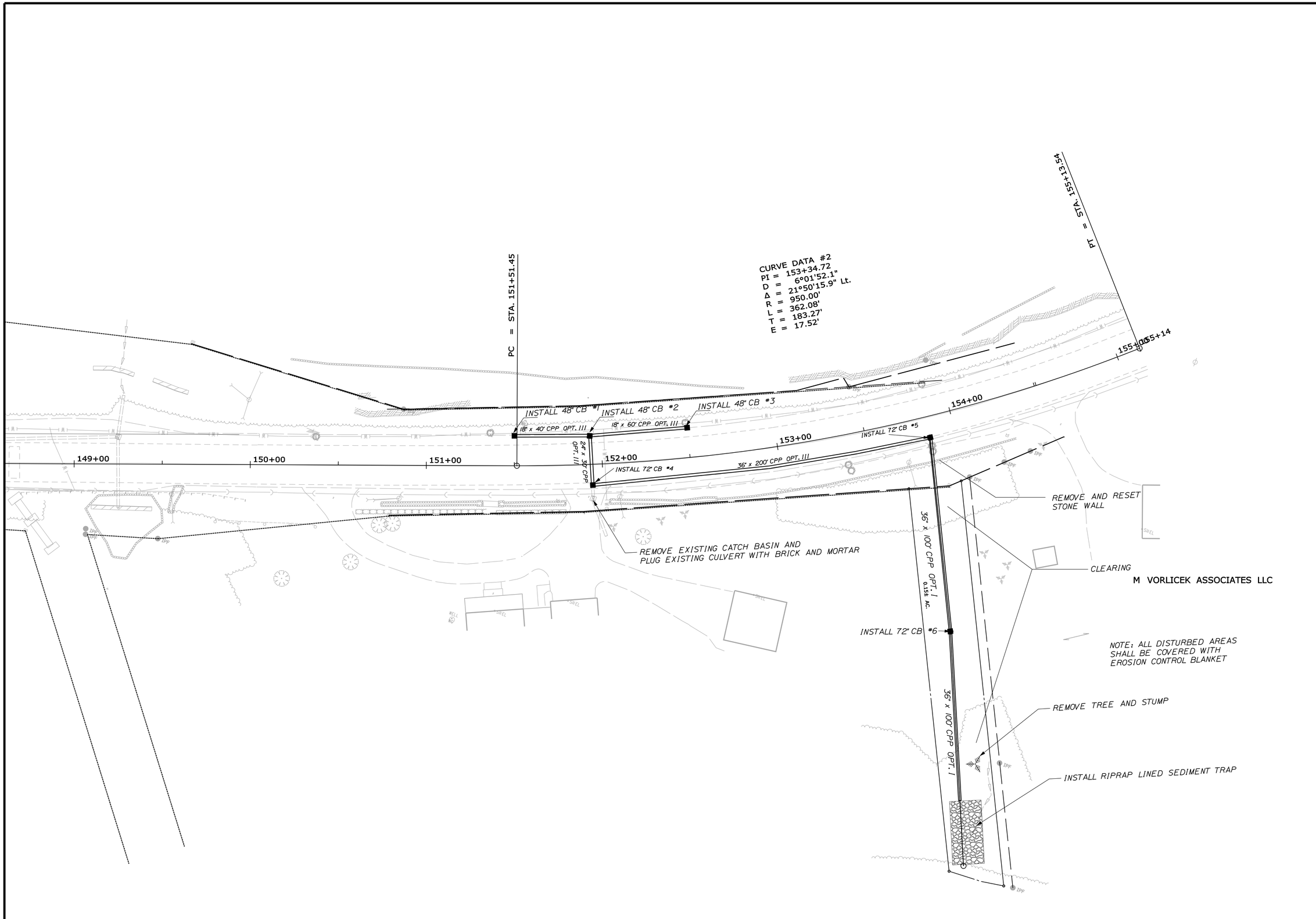
TYPICAL SECTIONS

SHEET NUMBER

3

OF 12

Filename: ...\highway\msta\003_Typical.dgn Division: HIGHWAY Username: ryan.hodgman Date:3/4/2016



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN 18587.00

HIGHWAY PLANS

PROJ. MANAGER		BY	DATE
DESIGN-DETAILED	R. BETZ	P. KALAJDAS	
CHECKED-REVIEWED	R. ILLIAN		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

CUMBERLAND
ROUTE 88

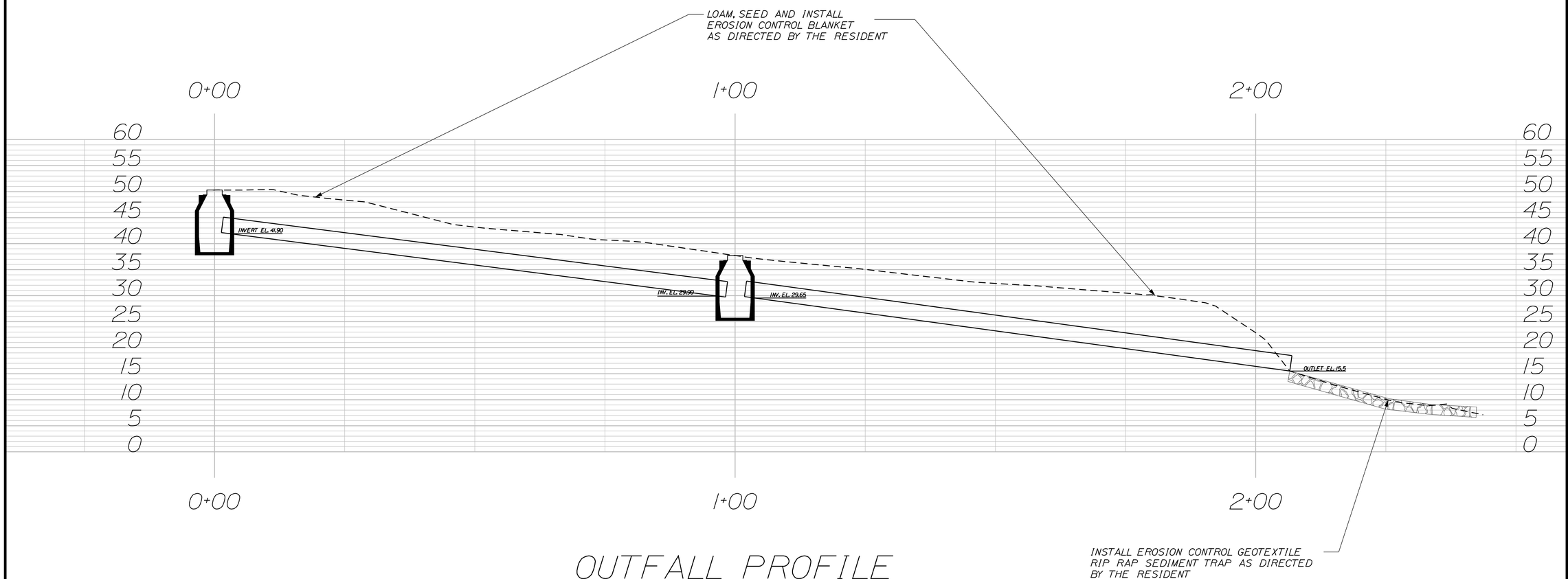
PLANS

SHEET NUMBER

4

OF 12

Filename: ...\highway\rnsta\004_HDPlan1.dgn Division: HIGHWAY Username: ryan.hodgman Date:3/4/2016



OUTFALL PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN
18587.00

HIGHWAY PLANS

PROJ. MANAGER	R. BETZ	BY	DATE
DESIGN-DETAILED	R. ILLIAN	P. KALAJIAS	
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------		------
REVISIONS 2	------		------
REVISIONS 3	------		------
REVISIONS 4	------		------
FIELD CHANGES	------		------

SIGNATURE

P.E. NUMBER

DATE

CUMBERLAND
ROUTE 88

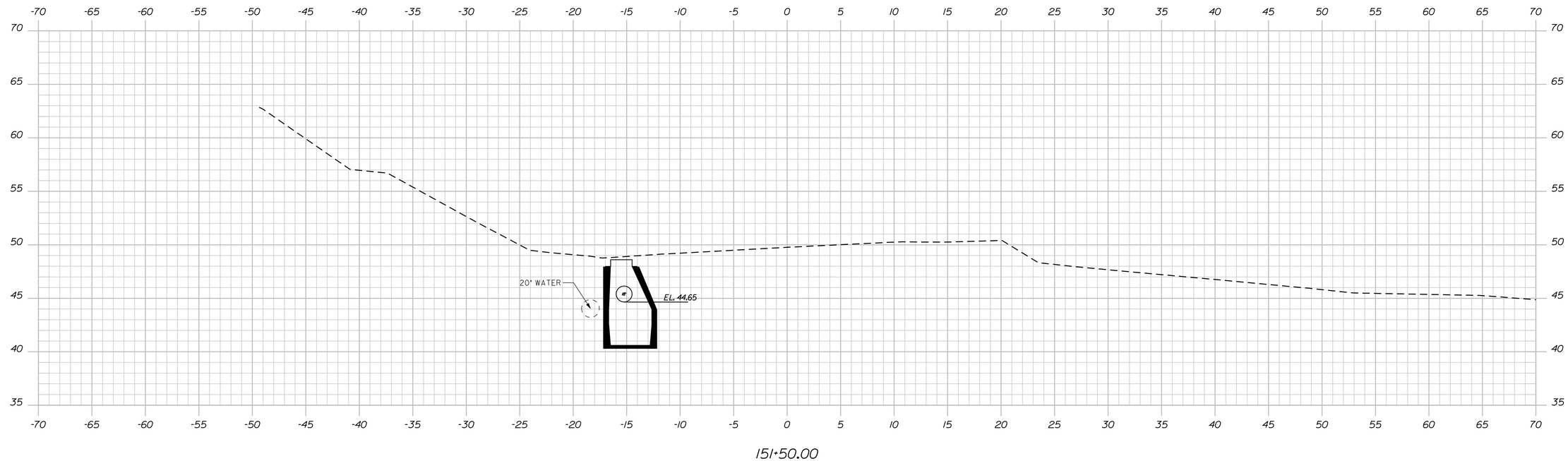
PROFILE

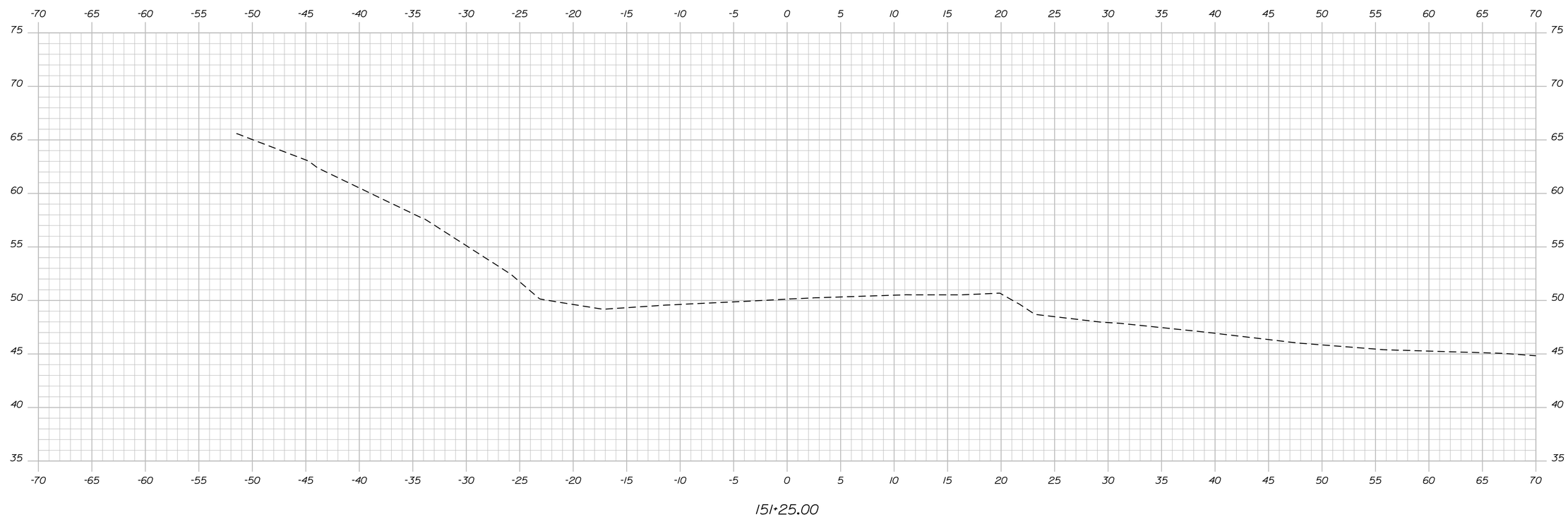
SHEET NUMBER

5

OF 12

Filename: ...\msta\005_Outfall Profile.dgn Division: HIGHWAY Username: ryan.hodgman Date:3/4/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN 18587.00

HIGHWAY PLANS

PROJ. MANAGER	R. BETZ	BY	DATE
DESIGN-DETAILED	R. ILLIAN	P. KALAJIAS	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

CUMBERLAND
ROUTE 88

CROSS SECTIONS

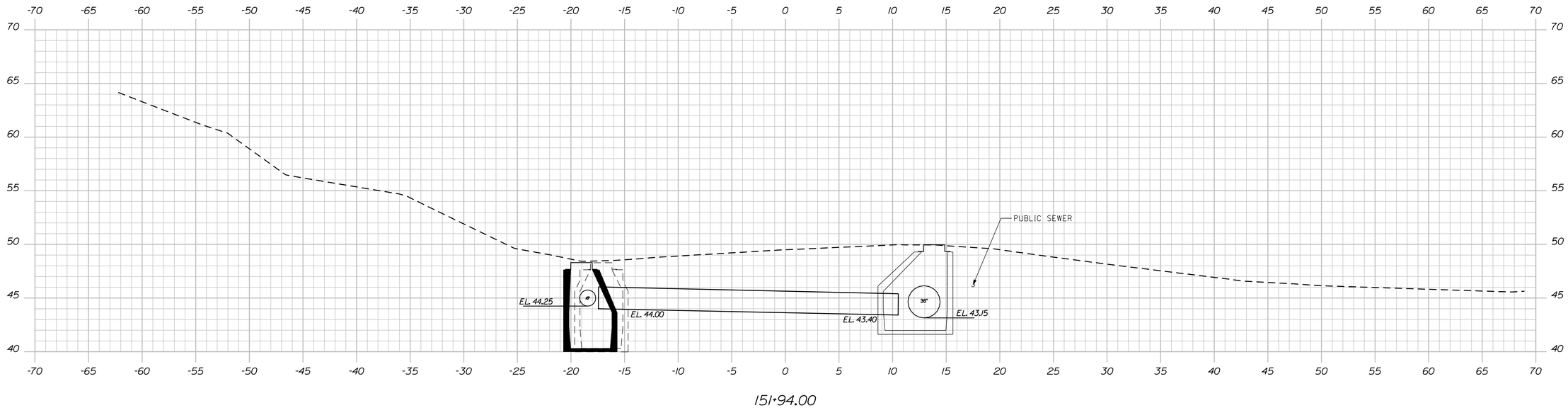
SHEET NUMBER

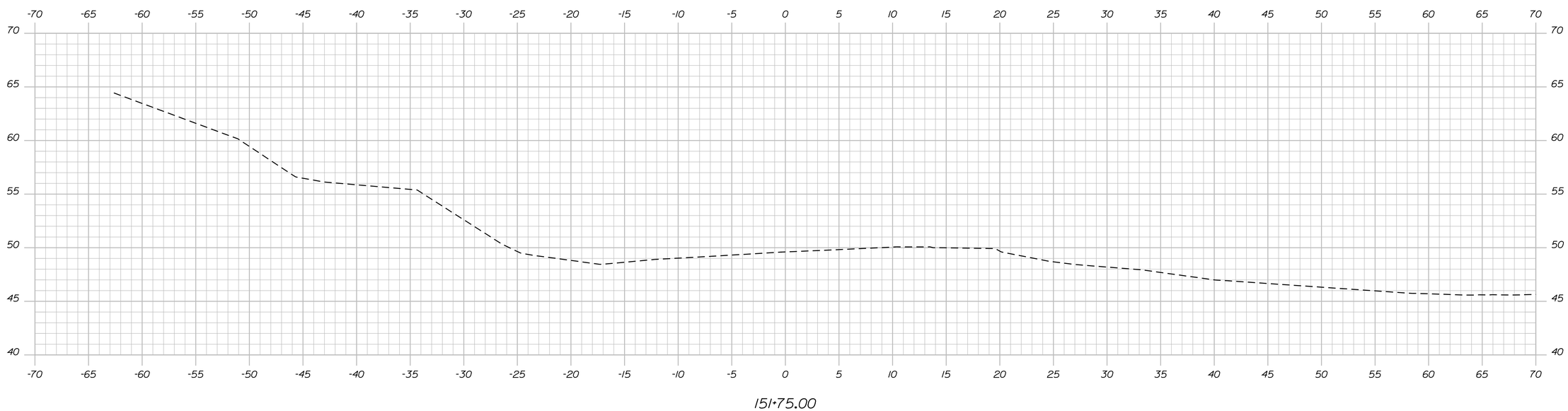
6

OF 12

Sta. 151+25.00 to Sta. 151+50.00

Filename: ...\msta\006_Xsect_151+25_003.dgn Division: HIGHWAY Username: ryan.hodgman Date:3/4/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN
18587.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. BETZ		
DESIGN-DETAILED	R. ILLIAN	P. KALAGAS	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

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P.E. NUMBER

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CUMBERLAND
ROUTE 88

CROSS SECTIONS

SHEET NUMBER

7

OF 12

Sta. 151+75.00 to Sta. 151+94.00

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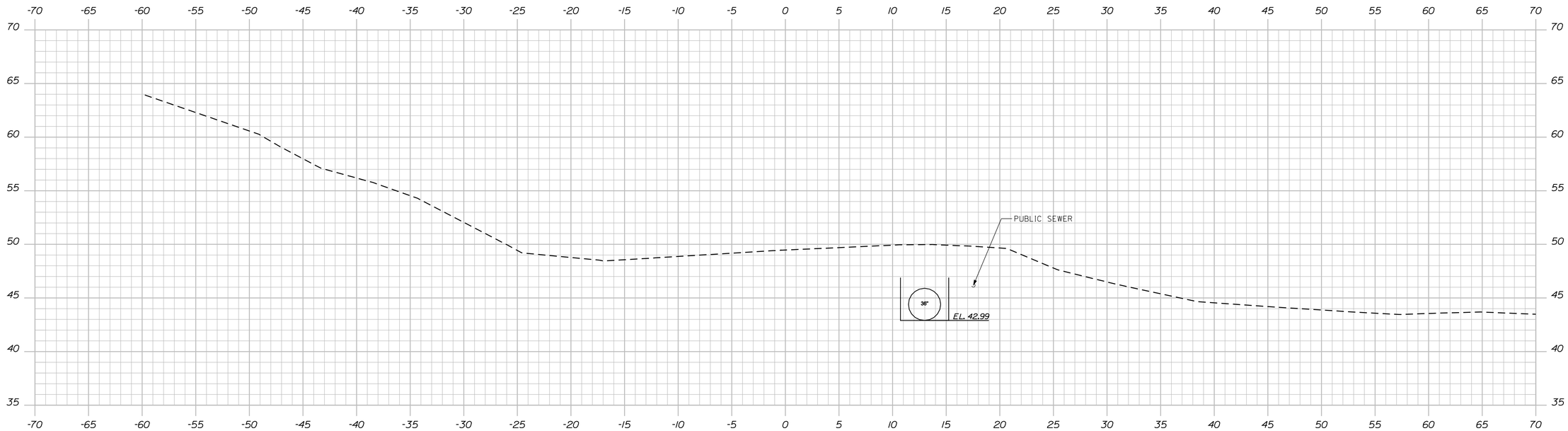
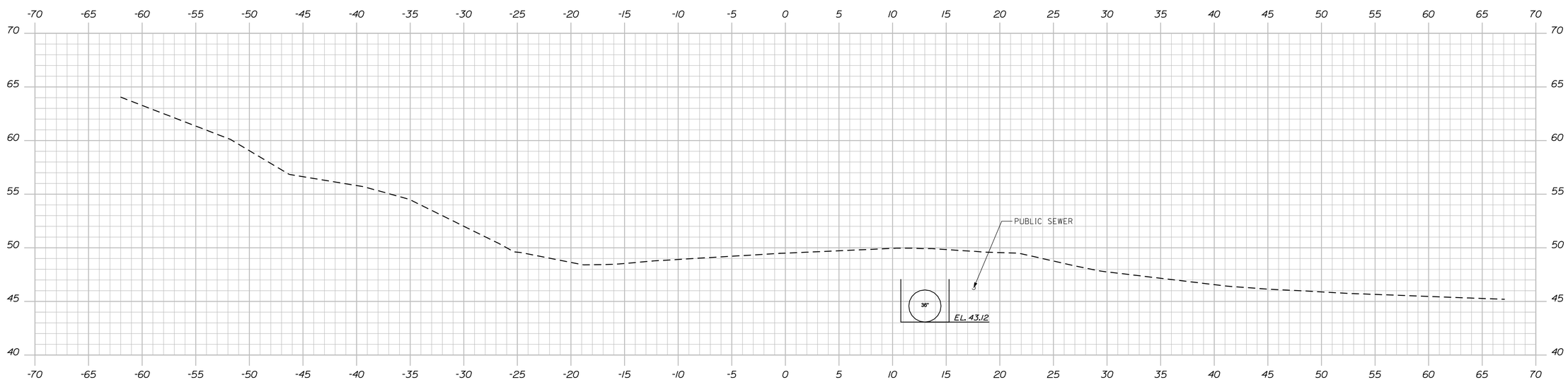


152+25.00



152+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN
18587.00

HIGHWAY PLANS

PROJ. MANAGER	R. BETZ	BY	DATE
DESIGN-DETAILED	R. ILLIAN	P. KALAOJAS	
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

CUMBERLAND
ROUTE 88

CROSS SECTIONS

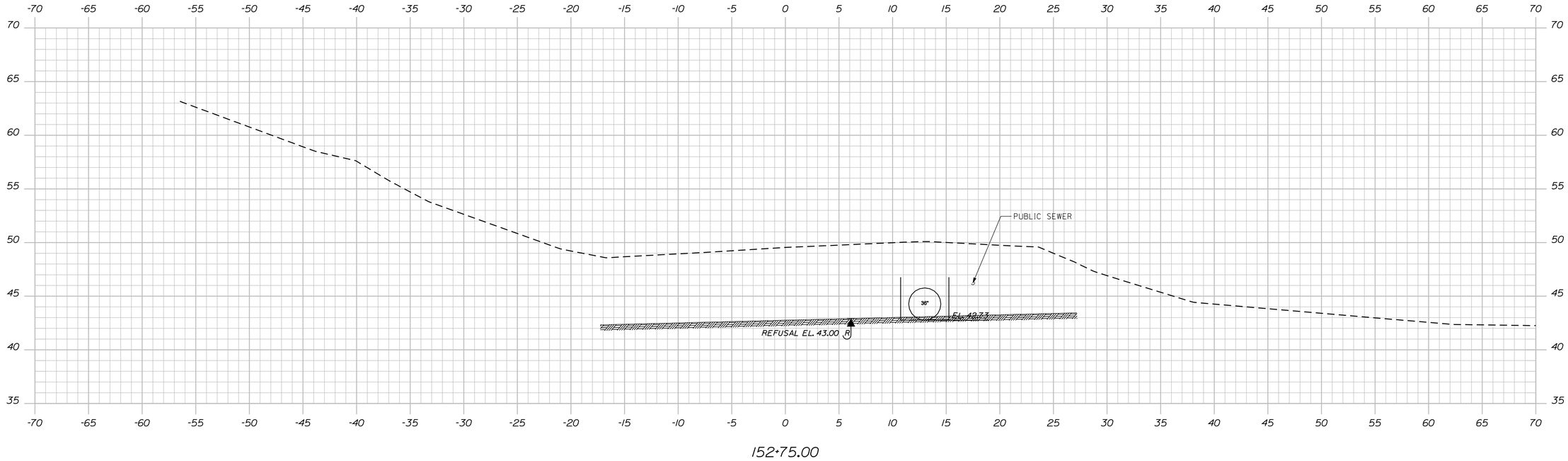
SHEET NUMBER

8

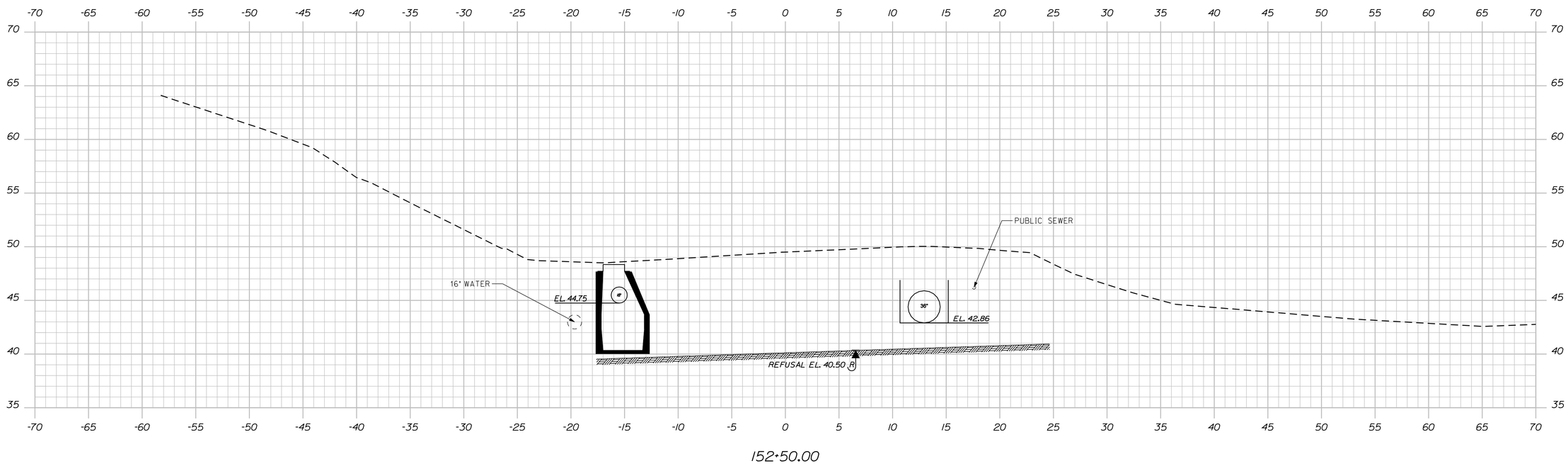
OF 12

Filename: ...\msta\008_Xsect_152+00_005.dgn Division: HIGHWAY Username: ryan.hodgman Date:3/4/2016

Sta. 152+00.00 to Sta. 152+25.00



152+75.00



152+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN 18587.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	R. BETZ		
DESIGN-DETAILED	R. ILLIAN	P. KALAGIAS	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
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REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

CUMBERLAND
ROUTE 88

CROSS SECTIONS

SHEET NUMBER

9

OF 12

Sta. 152+50.00 to Sta. 152+75.00

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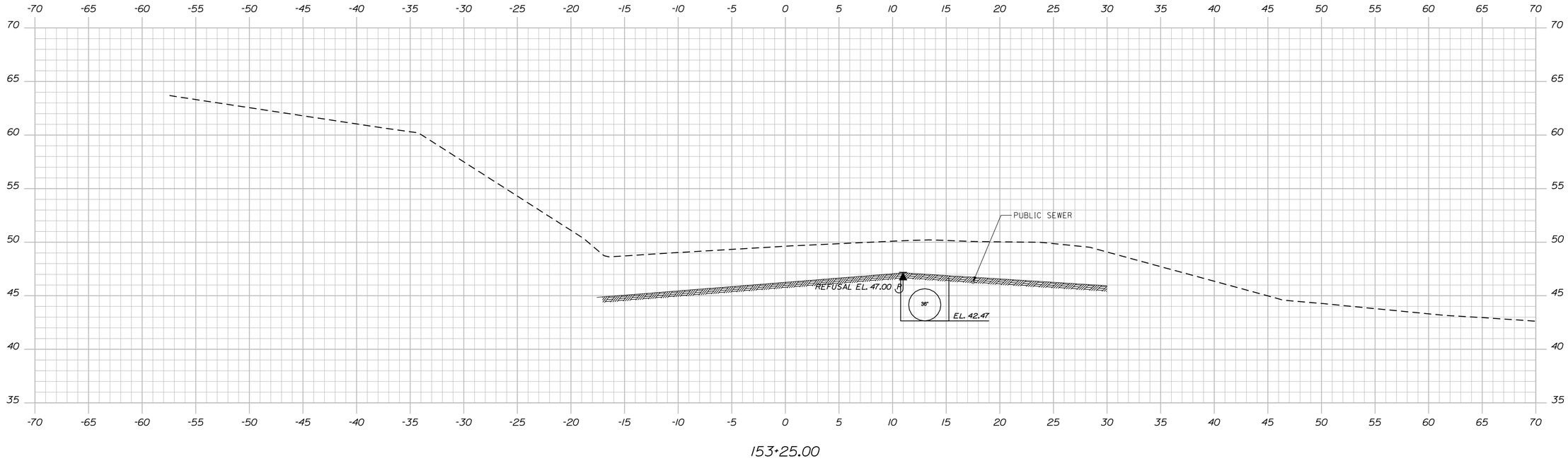

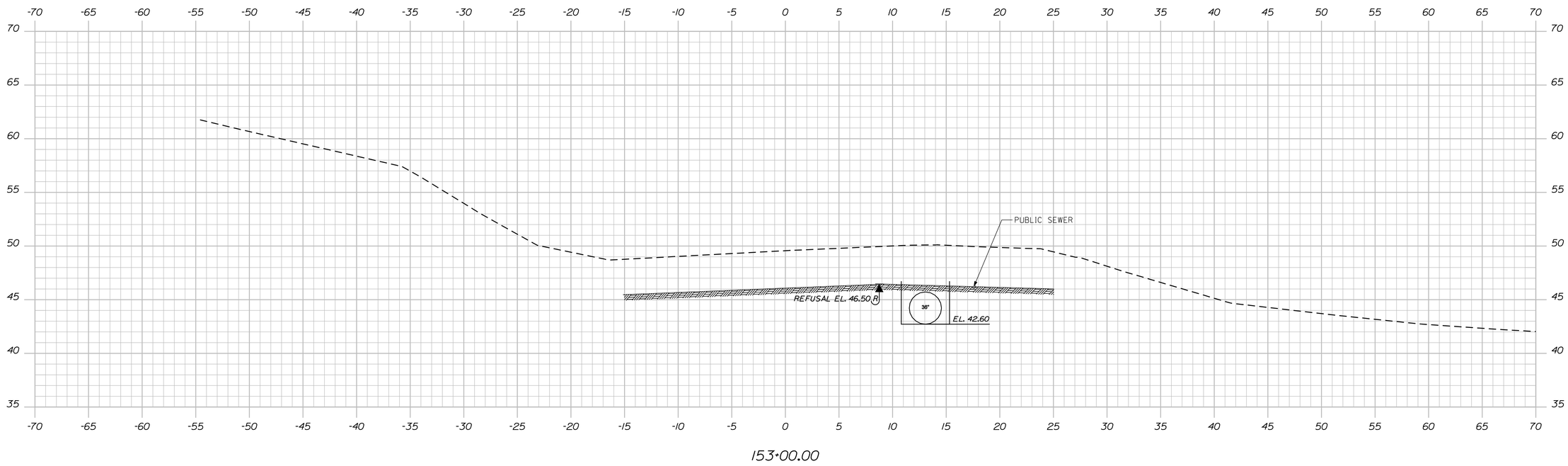

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN 18587.00

HIGHWAY PLANS

PROJ. MANAGER	R. BETZ	BY	DATE
DESIGN-DETAILED	R. ILLIAN	P. KALAOAS	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

CUMBERLAND
ROUTE 88

CROSS SECTIONS

SHEET NUMBER

10

OF 12

Sta. 153+00.00 to Sta. 153+25.00

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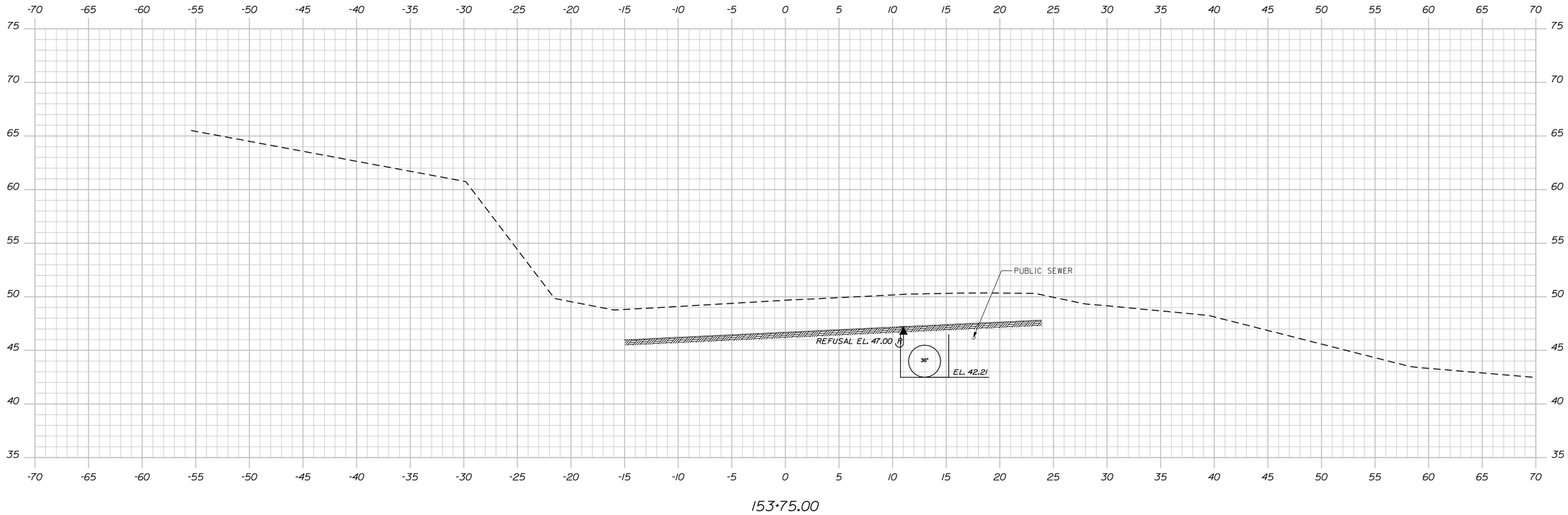

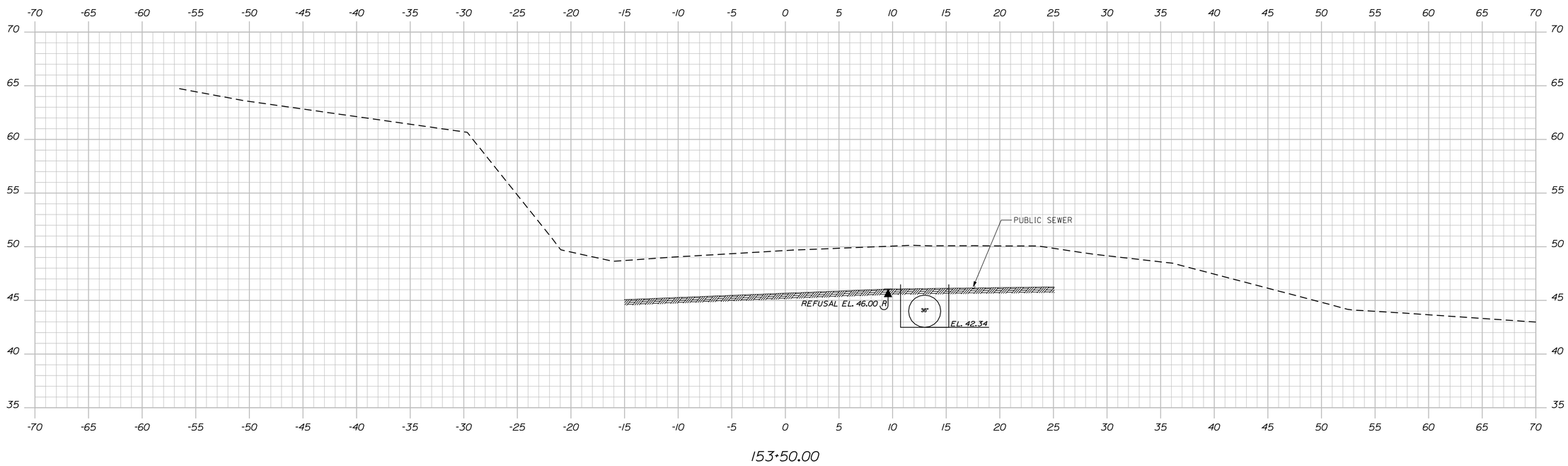

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN 18587.00

HIGHWAY PLANS

PROJ. MANAGER	R. BETZ	BY	DATE
DESIGN-DETAILED	R. ILLIAN	P. KALAOAS	
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DESIGN2-DETAILED2	-----	-----	
DESIGN3-DETAILED3	-----	-----	
REVISIONS 1	-----	-----	
REVISIONS 2	-----	-----	
REVISIONS 3	-----	-----	
REVISIONS 4	-----	-----	
FIELD CHANGES	-----	-----	

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DATE

CUMBERLAND
ROUTE 88

CROSS SECTIONS

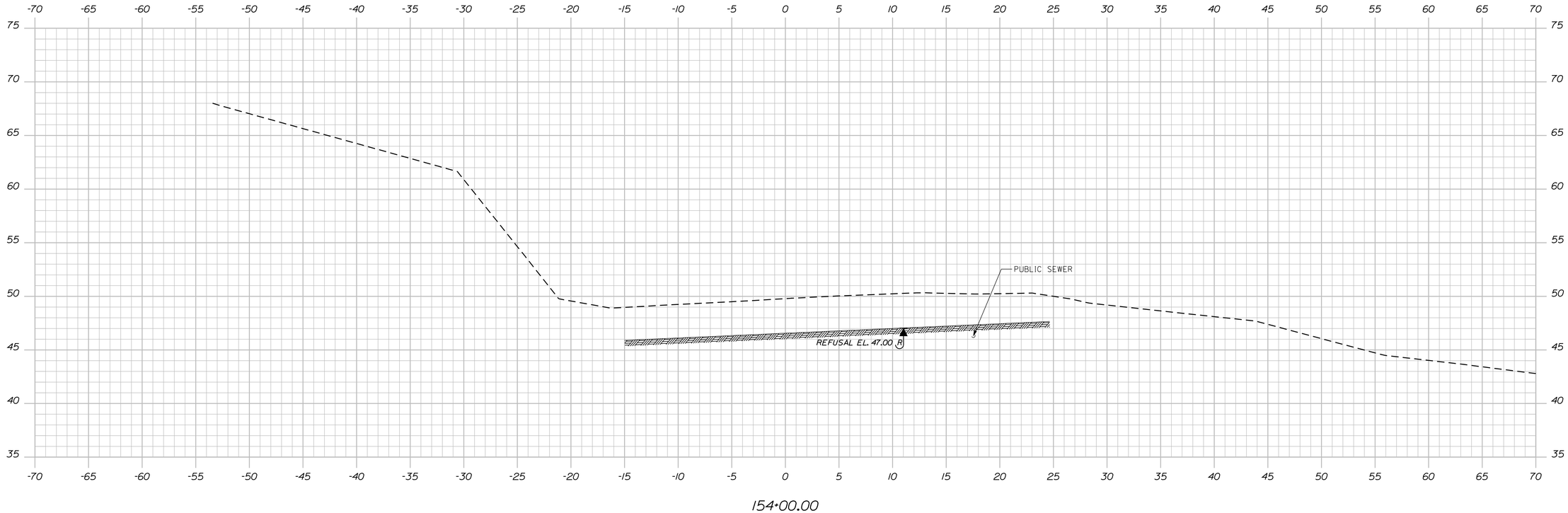
SHEET NUMBER

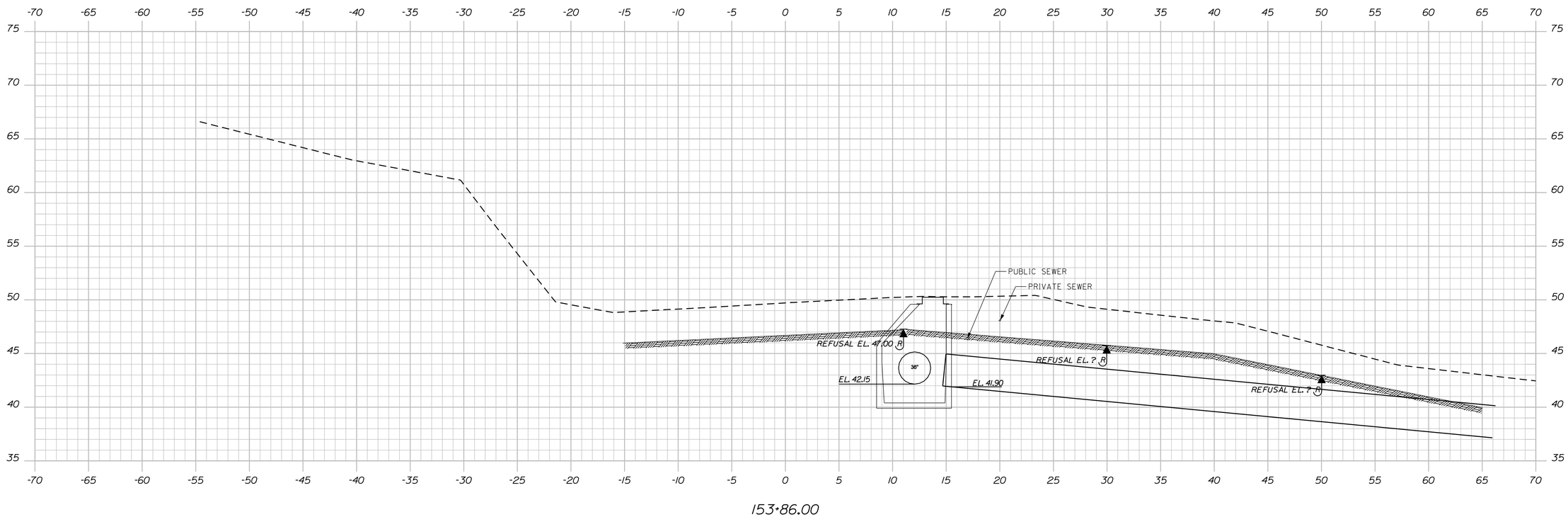
11

OF 12

Sta. 153+50.00 to Sta. 153+75.00

Filename: ...\mslo\011_Xsect_153+50_008.dgn Division: HIGHWAY Username: ryan.hodgman Date:3/4/2016





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

18587.00

WIN 18587.00

HIGHWAY PLANS

PROJ. MANAGER	R. BETZ	BY	DATE
DESIGN-DETAILED	R. ILLIAN	P. KALAJIAS	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

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CUMBERLAND
ROUTE 88

CROSS SECTIONS

SHEET NUMBER

12

OF 12

Sta. 153+86.00 to Sta. 154+00.00

Filename: ...\msta\012_Xsect_153+86_009.dgn Division: HIGHWAY Username: ryan.hodgman Date:3/4/2016