

FHWA REGION VIII OVERSIGHT?	☐ NO ☒ YES
NATIONAL HIGHWAY SYSTEM?	☐ NO ☒ YES

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED
FEDERAL AID PROJECT NO. NH 0342-029

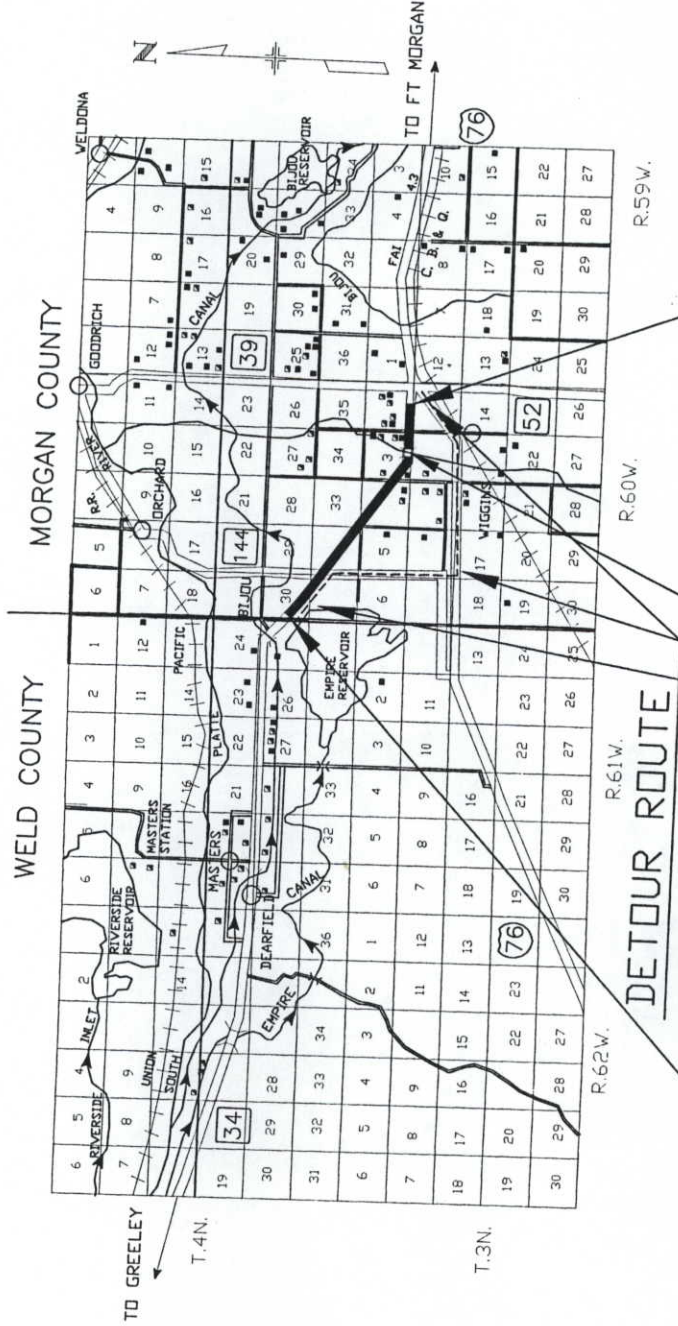
TABULATION OF LENGTH & DESIGN DATA

STATION	METERS	
	ROADWAY	MAJOR STRUCTURE
STA. 55+150 BEGIN NH 0342-029 = STA. 1704+77.71 ON FAP 287A, R.P. 143.52	6,877.496	25.925
EXISTING STRUCTURE NO. D-20-E BEGIN STRUCTURE STA. 62+141.435 END STRUCTURE STA. 62+165.917		
EQUATION STA. 62+027.496 BK.= STA. 62+038.336 AH	1,167.664	
STA. 63+206 END NH 0342-029= STA. 2074+93 ON FC 034-2(8), R.P. 148.52		
TOTAL	8,045.16	25.925
SUMMARY OF PROJECT LENGTH	METERS	KILOMETERS
ROADWAY (NET LENGTH)	8,045.16	8,045.16
MAJOR STRUCTURE	25.925	0.0259
PROJECT GROSS LENGTH	8,045.16	8,045.16
DESIGN DATA	S.H. 34	
MINIMUM RADIUS OF CURVE	873.190 m	
MAXIMUM GRADE	1.02%	
MINIMUM S.S.D. HORIZONTAL	239.2m	
MINIMUM S.S.D. VERTICAL	229m	
MAXIMUM DESIGN SPEED	110 km/h	
1998 TRAFFIC	DHV = 330 ADT = 2800	
2018 DESIGN TRAFFIC	DHV = 540 ADT = 4,990	
DHV TRUCKS %	25%	
CLEAR ZONE DISTANCE (TANGENT)	9.00 m	

MP 143.52
STA. 55+150 BEGIN NH 0342-029 =
STA. 1704+77.71 ON FAP 287A

Index of Sheets

1. Title Sheet
2. Standard Plans List
- 3-4. Typical Section and Typical Notes
5. General Notes
- 6-8. Summary of Approximate Quantities
9. Structure Quantities
10. Summary of Earthwork Quantities and Surfacing Plans
- 11-12. Tabulation of Fencing, Mailboxes, Delineators, Removal of Str. and Obstructions and Removal of Asphalt Concrete Box Culvert Stormwater Management Plan
- 13-15. Wetland Mitigation Plan Survey Tabulation Plan and Profile Sheets
16. Detour Plans
17. Construction Traffic Control R.O.W. Plans
18. NEW AND REVISED STANDARDS
- 19-35. M-107-1 Temporary Erosion Control (March 24,1998)(4 Sheets)



EXISTING STRUCTURE
NO. D-20-E

MP 148.52
STA. 63+206 END NH 0342-029=
STA. 2074+93 ON FC 034-2(8)

Computer File Information			Index of Revisions		
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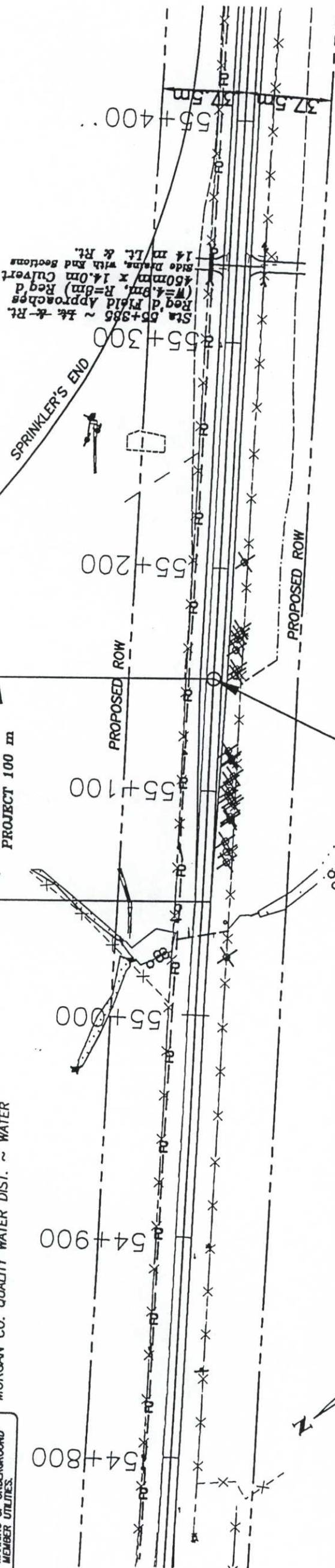
Colorado Department of Transportation
1420 Second Street
Greeley, CO 80631
Phone: (970) 350-2140 FAX: (970) 350-2178
Region 4

Contract Information		As Constructed	
Contractor	Western Mobile	No Revisions:	
Resident Engineer	George Rowe, CDD	Revised:	2-10-99
Project Engineer	Jim Hoffman, E.M.	Void:	
PROJECT STARTED	7-9-98		
ACCEPTED	2-10-99		
Comments:			
Project No./Code	NH 0342-029		
Sheet Number	11864		
			1

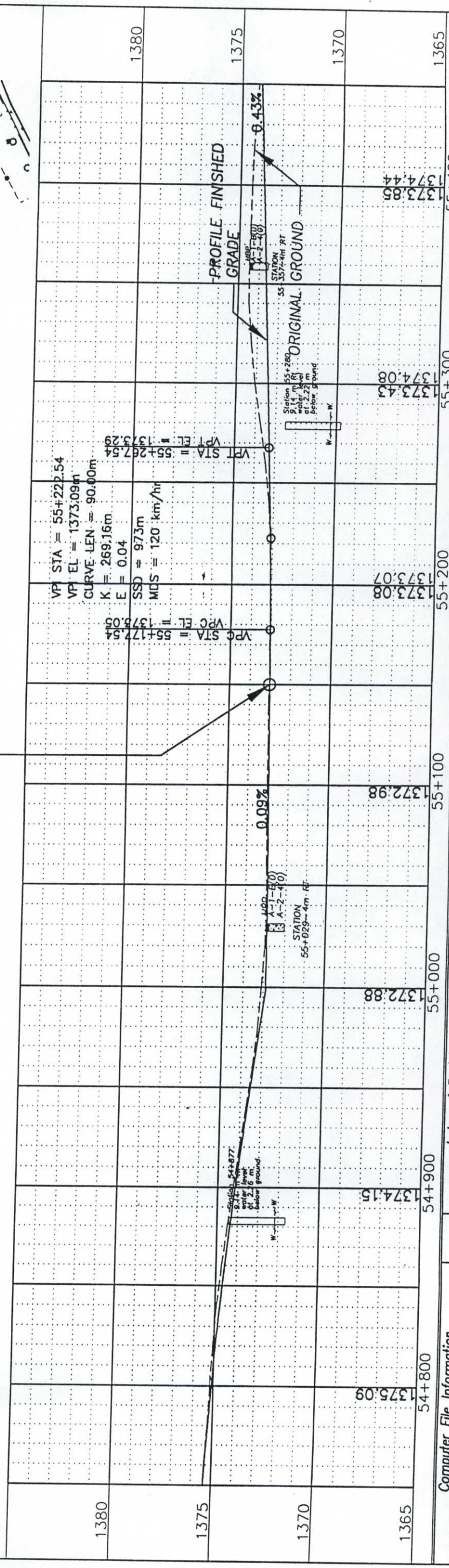
CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
OR 534-6700 IN METRO
DENVER
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

UTILITIES
US WEST ~ TELEPHONE
WIGGINS TELE. ASSN. ~ TELEPHONE
GREELEY GAS ~ GAS
MORGAN CO. REA ~ ELECTRIC
MORGAN CO. QUALITY WATER DIST. ~ WATER

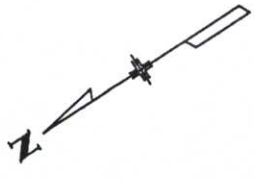
APPROACH TO
PROJECT 100 m



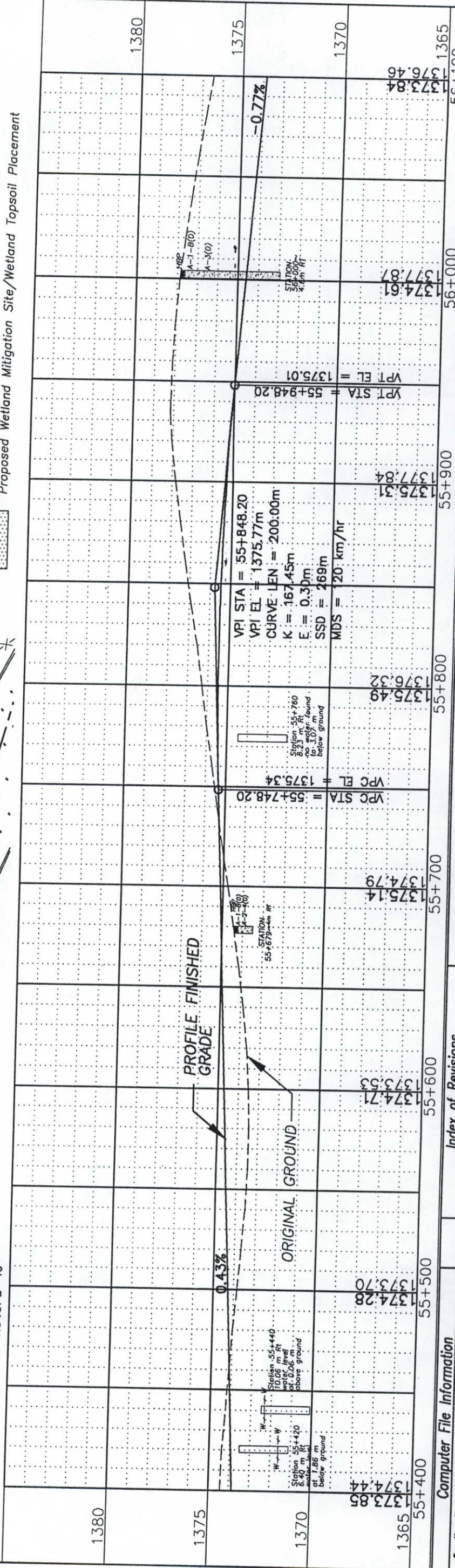
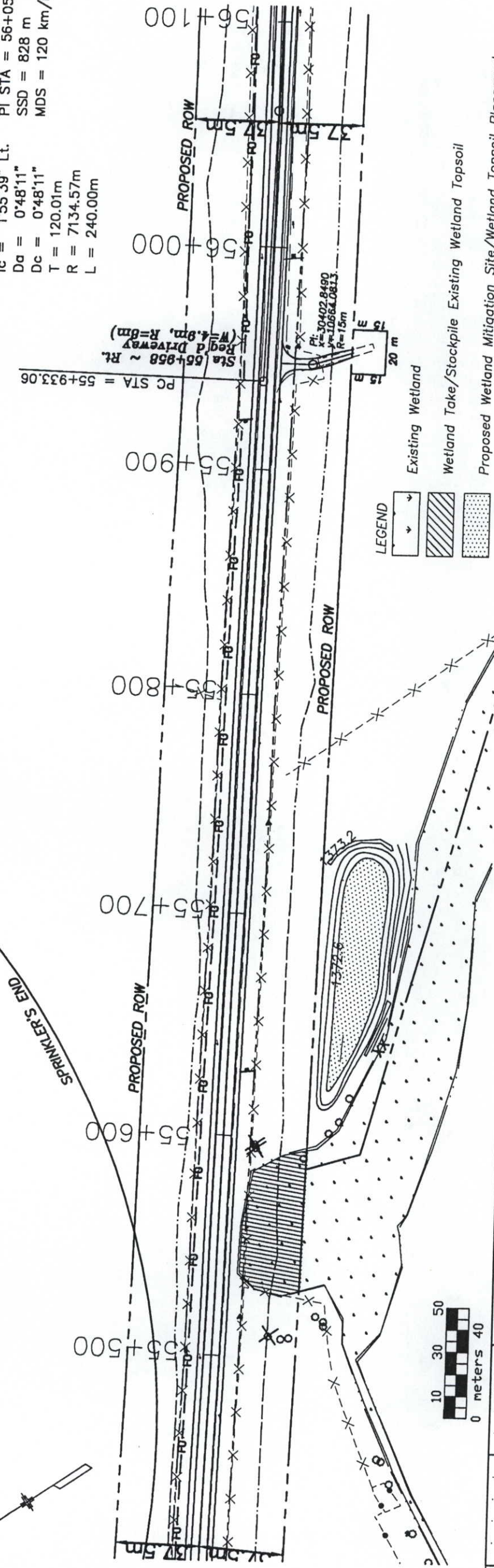
STA 55+150 BEGIN NH 0342-029
STA 1704+77.71 ON FAP 287A, R.P. 143.52



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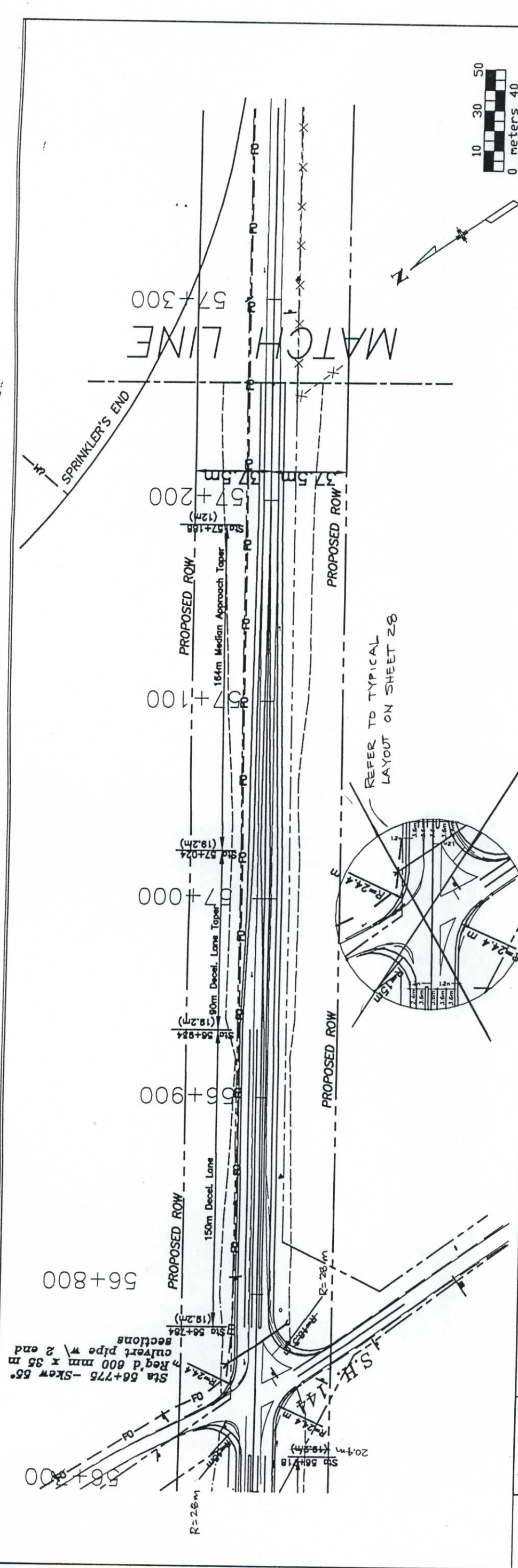


CIRCULAR
Ic = 1'55'39" Lt.
Dc = 0'48'11"
Dc = 0'48'11"
T = 120.01m
R = 7134.57m
L = 240.00m
PI STA = 56+053.067
SSD = 828 m
MDS = 120 km/hr

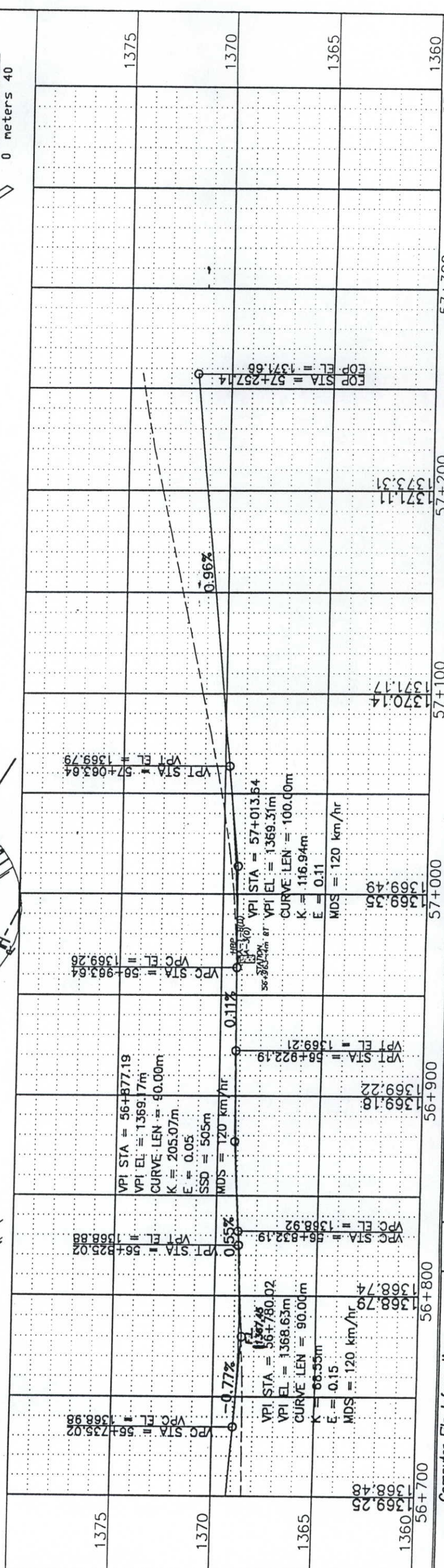


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				Division of Transportation		Designer: LRO Detailer: LRO		Sheet Number: 11864	

Sta 56+775 - Skew 66°
Req'd 600 mm x 36 m
culvert pipe w/ 2 end
sections



REFER TO TYPICAL
LAYOUT ON SHEET 28

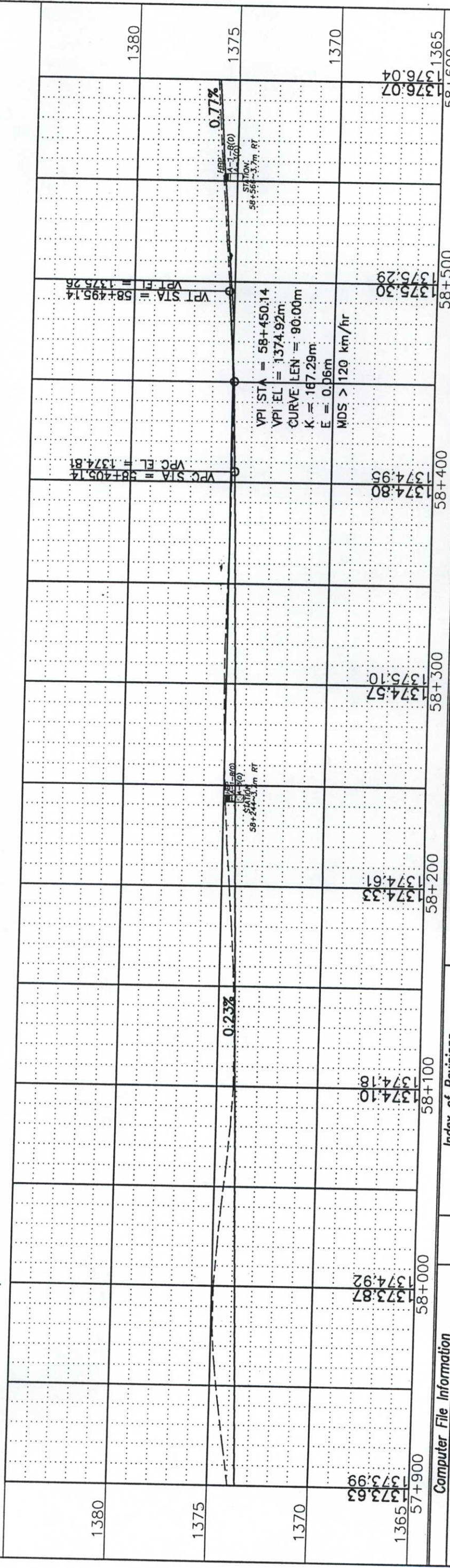
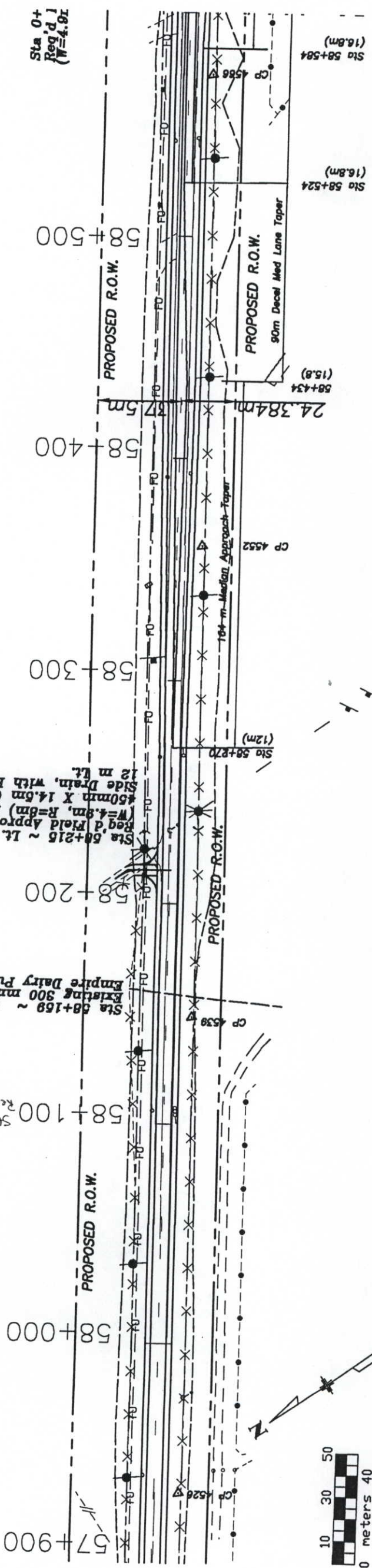


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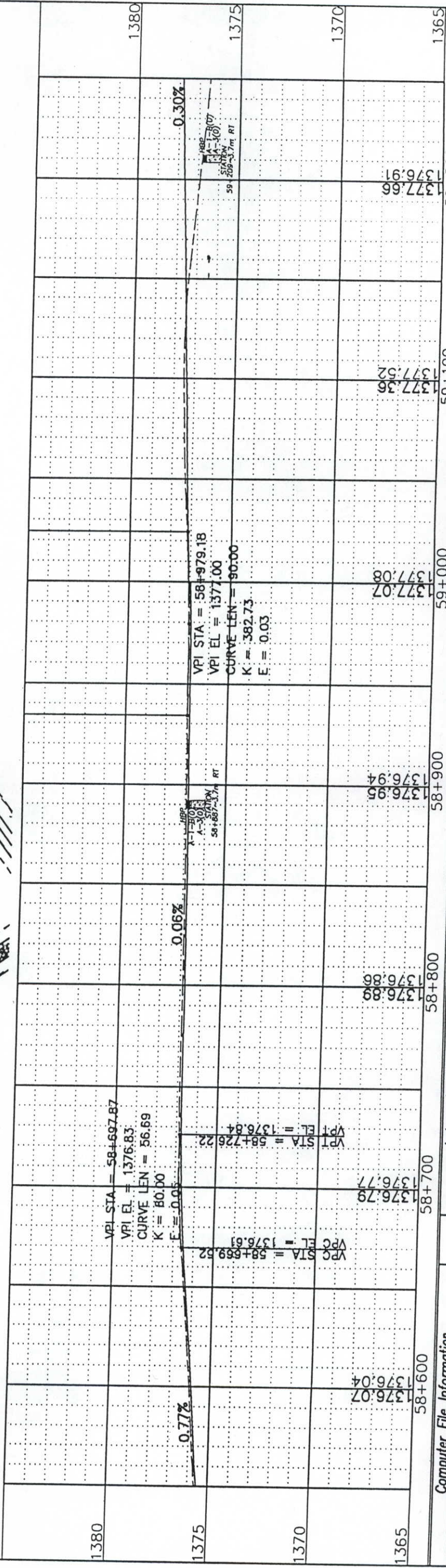
Remove existing cross drain at Sta. 58+100

Sta 58+159 ~ Skew 83° 29' 04"
Existing 300 mm X 68.976 m CSP.
Empire Dairy Pump Line

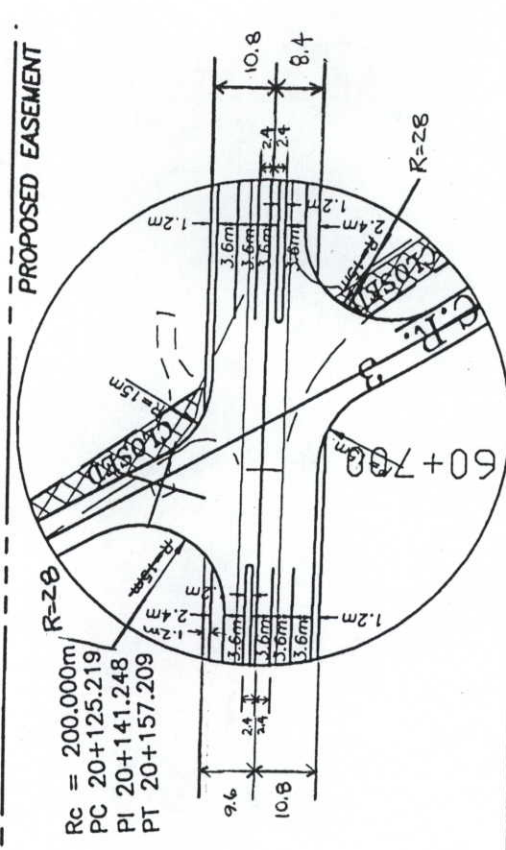
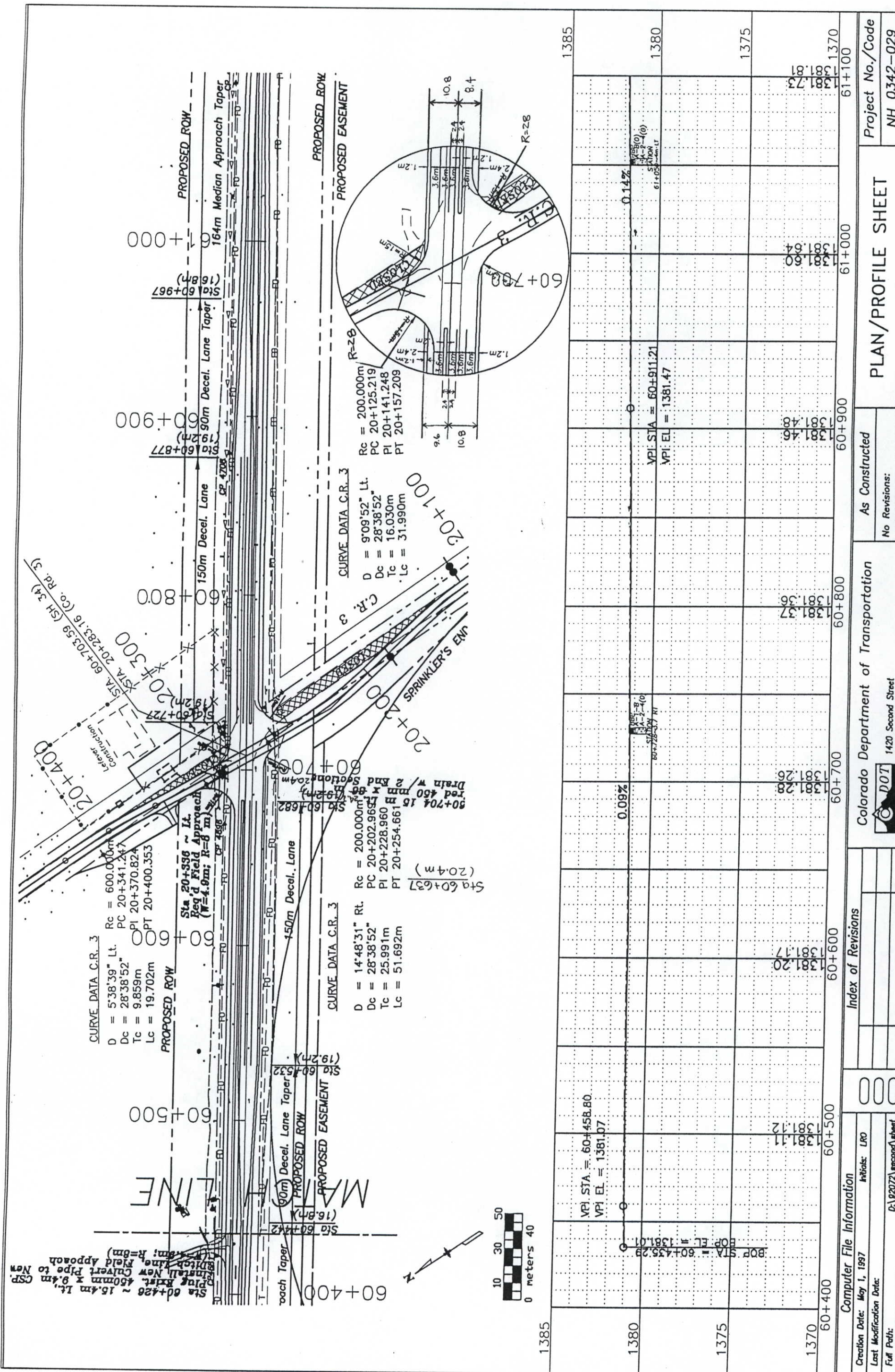
Sta 58+215 ~ Lt.
Reg'd Field Approch
(W=4.8m, R=6m) Reg'd
450mm X 14.5m Culvert pipes
Side Drain, with End Sections
12 m Lt.



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				DOT				11864	
				1420 Second Street Greeley, CO 80631 Phone: (970) 350-2140 FAX: (970) 350-2178				1365	



Creation Date: May 1, 1997		Initials: LRO	☐ ☐ ☐ ☐ ☐	Index of Revisions 	Colorado Department of Transportation  1420 Second Street Greeley, CO 80631 Phone: (970) 350-2140 FAX: (970) 350-2178 REGION OF TRANSPORTATION Region 4	As Constructed		Project No./Code	
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Station	60+400	60+500	60+600	60+700	60+800	60+900	61+000	61+100
1385								
1380								
1375								
1370								

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Colorado Department of Transportation
1420 Second Street
Greeley, CO 80631
Phone: (970) 350-2140 FAX: (970) 350-2178
DOT
Region 4

Sta 61+686 ~ Skew Bt. R
Field Approach
(W=6.0 m; R=8 m)
Remove Exst. Concrete S
24.361 m CSP, Siphon Hea
Sta 61+697 ~ Skew Bt. R
Field Approach
(W=6.0 m; R=8 m)
Remove Exst. Concrete S
24.361 m CSP, Siphon Hea
Sta 61+720 ~ 50m Rt. on Co. Rd. R
Reg'd Grader Pullout
(W=6m; R=8m; L=16m)

PI STA = 62+027.516
I = 0°01'02" Rt.

PT STA = 62+027.26
EQ 62+027.496 BK. =
62+038.336 AH.

Sta 62+076 ~ Reg'd Rt.
Field Approach
(W=4.8m; R=8m)

Reg'd 4 - 6100 mm x 2440mm x 27.71m
CBC (See Details), Wingwalls Lt. & Rt.
DA = 1839 km2
Q = 1398 cms
HW = 1381.73 m
AHW = 1382.10
Q to 15 = 126cms
HW = 1381.73 m
1.93 km to west

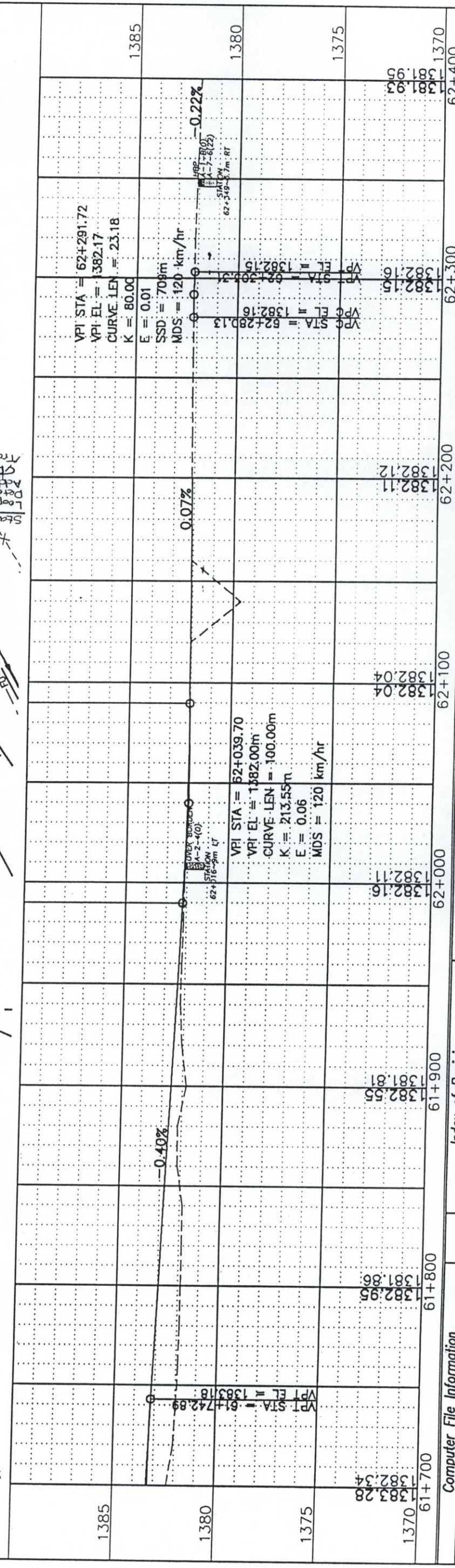
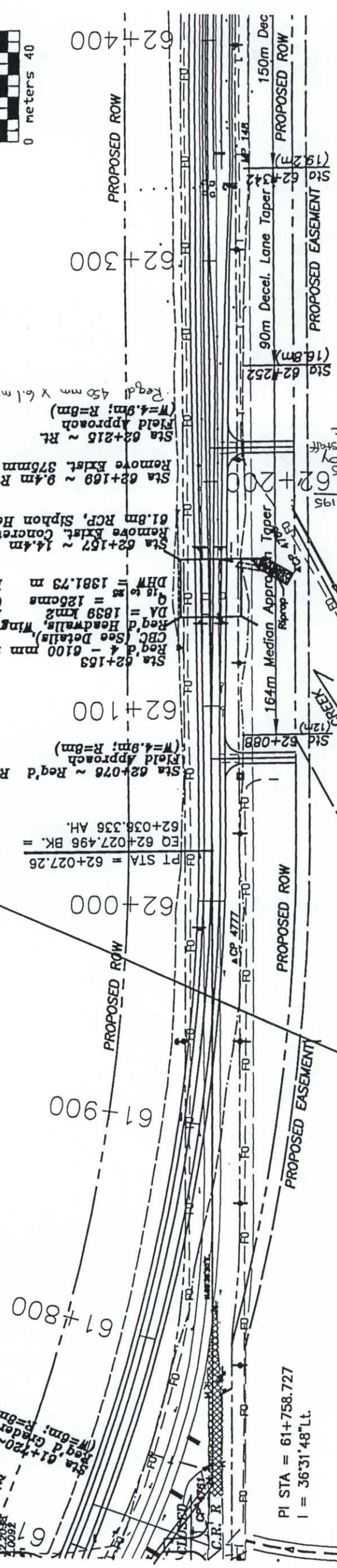
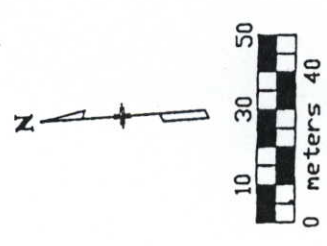
Remove Exst. Concrete Siphon 450 mm x
61.8m RCP, Siphon Headwalls Lt. & Rt.

Sta 62+168 ~ 8.4m Rt.
Remove Exst. 376mm x 8.6m CSP

Sta 62+216 ~ Rt.
Field Approach
(W=4.8m; R=8m)

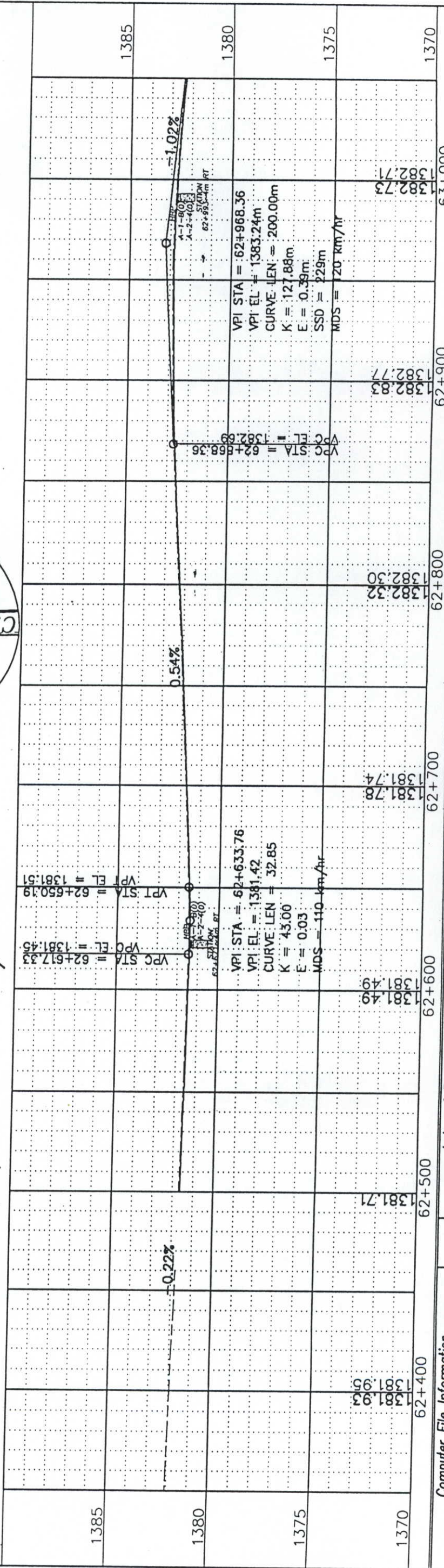
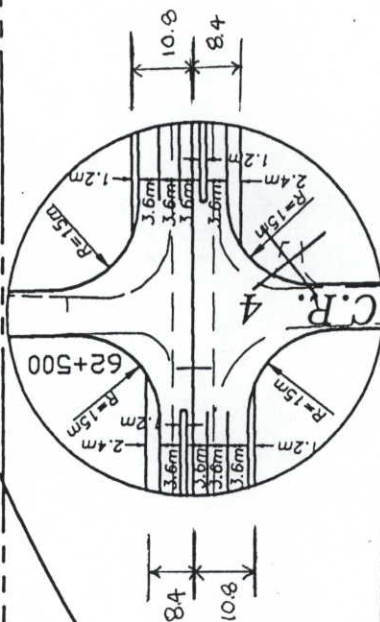
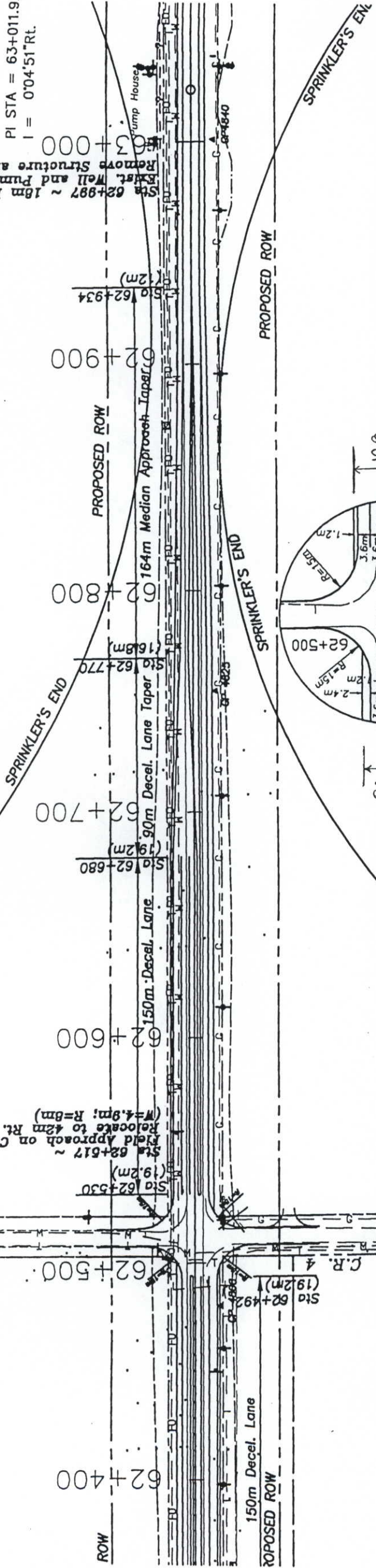
Reg'd 450 mm x 6.1 m CSP, 2 end sections

PI STA = 61+758.727
I = 36°31'48" Lt.



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Creation Date: May 1, 1997	Initials: LRO			As Constructed	No Revisions:	Design: LRO	NH 0342-029
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Colorado Department of Transportation				GRR			
1420 Second Street Greeley, CO 80631 Phone: (970) 350-2140 FAX: (970) 350-2178							
Region 4							

PI STA = 63+011.924
I = 0'04'51"Rt.
Removes Structure and Pump House
Rest. Well and Pump House



1385	1380	1375	1370
62+400	62+500	62+600	62+700
62+800	62+900	63+000	

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Creation Date: May 1, 1997	Initials: LRO			No Revisions:				NH 0342-029	
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Region 4						GRR		Sheet Number: 31	
DOT						1420 Second Street Greeley, CO 80631 Phone: (970) 350-2140 FAX: (970) 350-2178		Subset Sheet Number:	

APPROACH TO
PROJECT 100 m

63+300
63+400
63+500
63+600
63+700

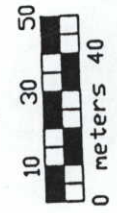
PI STA = 63+011.924
I = 0°04'51" Rt.

Sta 63+154 ~ Remove Exist.
460mm x 15.6m CSP, 2A.4
Req'd 600mm x 28mm Culvert
End Sections Lt. & Rt.

ip House

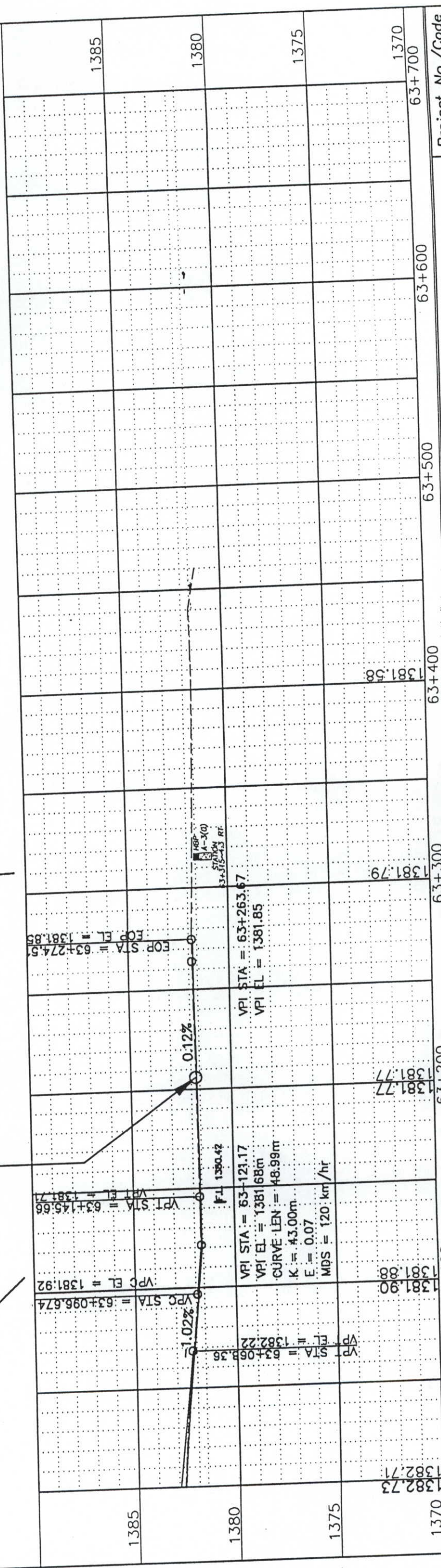
EOP = 63+465.61

SPRINKLER'S END



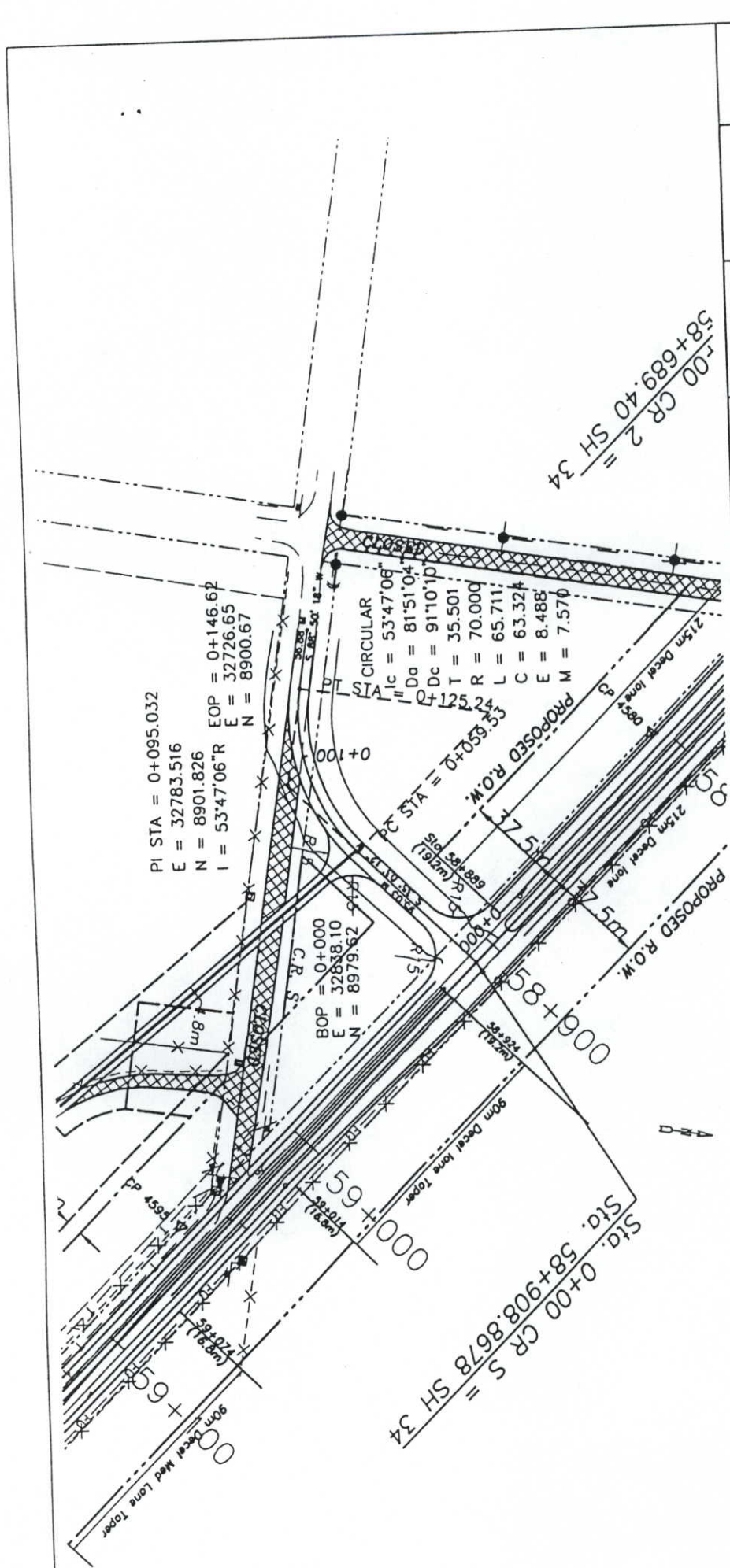
STA 63+206 END NH 0342-029
STA 2074+93 ON FC 034-2(8), R.P. 148.52

SPRINKLER'S END

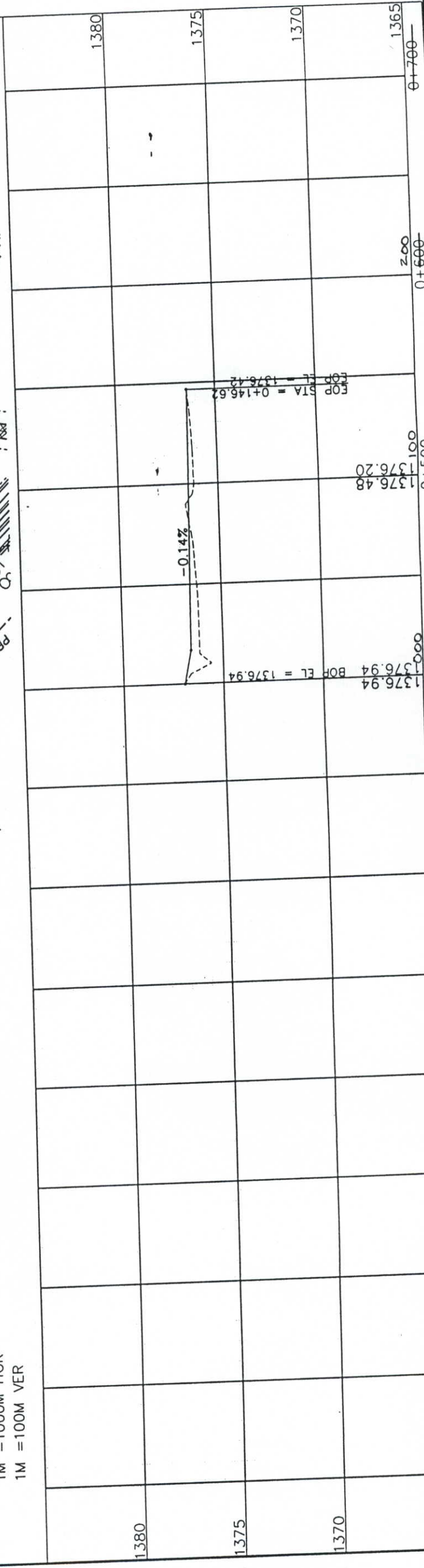


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								Subst Sheet Number:	

Colorado Department of Transportation
1420 Second Street
Greeley, CO 80631
Phone: (970) 350-2140 FAX: (970) 350-2178
Region 4 GRR



SCALES:
1M = 1000M HOR
1M = 100M VER



Computer File Information		Index of Revisions		Colorado Department of Transportation		As Constructed		PLAN/PROFILE CR. S		Project No./Code	
Creation Date: May 1, 1997	Initials: LHN			No Revisions:						NH 0342-029	
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