PLAN SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPERTY LINE
CORPORATE OR CITY LIMITS
RETAINING WALL
RAILROAD
RAILROAD RIGHT-OF-WAY
RIVER OF CREEK
CULVERT
GUARDRAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
STONE WALL
HEDGE
RAILROAD CROSSING SIGN
CROSSING GATE
MEANDER CORNER
CONSTRUCTION LIMITS
TEMPORARY EASEMENT
MARSH
DECIDUOUS TREE
CONIFEROUS TREE
WOODS
CATCH BASIN
BRIDGE
IRON PIPE OR ROD
MONUMENT (STONE, CONCRETE OR METAL)
WOODEN HUB

UTILITY SYMBOLS

UTILITY POLE
GUY OR ANCHOR
STREET LIGHT
TELEPHONE PEDESTAL
GAS MAIN
WATER MAIN
TELEPHONE VAULT
ELECTRIC VAULT
BURIED TELEPHONE CABLE
BURIED ELECTRIC CABLE
SEWER SANITARY
SEWER STORM
SEWER MANHOLE
GATE VALVE
CONTROLLER CABINET
EXISTING HYDRANT
BURIED TV CABLE

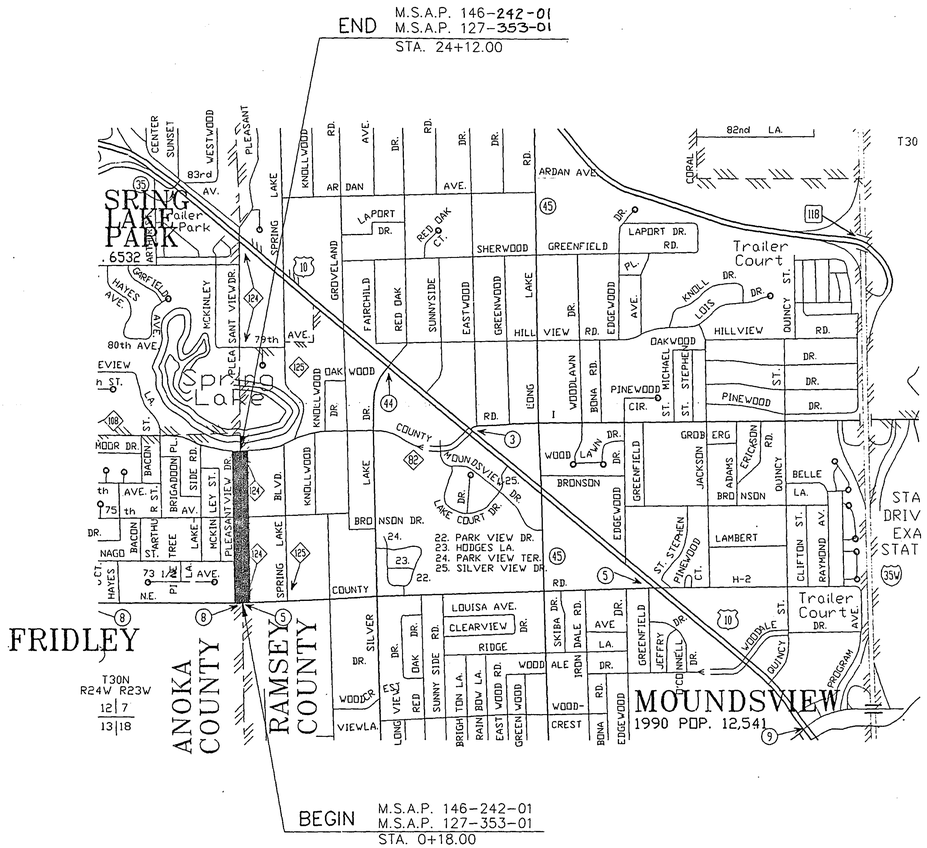
FOR PLANS AND UTILITIES SYMBOLS SEE MN/DOT TECHNICAL MANUAL.

SCALES

PLAN	0 10 20 30 40 50 60
PROFILE HORIZ.	0 10 20 30 40 50 60
PROFILE VERT.	0 5 10
CROSS SECTIONS	0 10 20

GROSS LENGTH	2394 FEET	0.453 MILES
BRIDGE LENGTH	----	----
EXCEPTIONS	0 FEET	0.0 MILES
NET LENGTH	2394 FEET	0.453 MILES

END M.S.A.P. 146-242-01
M.S.A.P. 127-353-01
STA. 24+12.00



CITY OF FRIDLEY

DEPARTMENT OF PUBLIC WORKS

CONSTRUCTION PLAN FOR: GRADING, AGGREGATE BASE, BITUMINOUS BASE & SURFACING, STORM SEWER, CONCRETE CURB & GUTTER, UTILITY IMPROVEMENTS.

PLEASANT VIEW DRIVE
RAMSEY COUNTY ROAD 124

FRIDLEY : M.S.A.P. No. 127-353-01
MOUNDSVIEW : M.S.A.P. No. 146-242-01

BETWEEN: COUNTY ROAD H2 AND COUNTY ROAD I
RAMSEY C.S.A.H. 5 AND RAMSEY COUNTY ROAD 82

BEGINNING: AT A POINT 18 FEET NORTH OF THE WEST 1/4 CORNER, SEC.7, T30N, R23W

ENDING: AT A POINT 2412 FEET NORTH OF THE WEST 1/4 CORNER, SEC.7, T30N, R23W

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITES, TYPICAL SECTION
3	STANDARD PLATES, CHARTS, DETAILS
4-6	PLAN AND PROFILE SHEETS
7-27	X-SECTIONS

DESIGN SQUAD _____ DATE _____

DRAWN BY _____ DATE _____

CHECKED BY _____ DATE _____

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Larry K. Fellbaum REG. NO. 13501 DATE 5-05-94

RECOMMENDED FOR APPROVAL Patrick J. Kelly RAMSEY COUNTY ENGINEER DATE 5/31/94

APPROVED _____ CHAIR OF THE RAMSEY COUNTY BOARD DATE _____

APPROVED _____ CITY OF FRIDLEY DATE 5-5-94

APPROVED _____ CITY OF MOUNDSVIEW DATE 5-5-94

APPROVED _____ RAMSEY County Engineer DATE 6/10/94

APPROVED _____ DATE _____

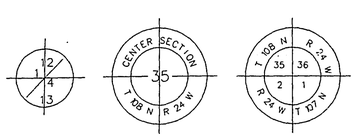
-GOVERNING SPECIFICATIONS-

THE 1988 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR CONSTRUCTION" AS AMENDED BY THE JAN. 2 1991,"SUPPLEMENTAL SPECIFICATIONS" SHALL GOVERN.

DESIGN DESIGNATION — PLEASANT VIEW DRIVE
COUNTY ROAD H2 TO COUNTY ROAD I

PRESENT ADT (1993)	350
PROJECTED ADT (2013)	700
FUNCTIONAL CLASS	COLLECTOR (LOW DENSITY)
TRAFFIC LANES	2
PARKING LANES	2
DESIGN LOAD	9 TON
SOIL FACTOR	75
MIN. BIT. G.E.	7.0
TOTAL G.E.	13.9
DESIGN SPEED	30

BASED ON STOPPING DISTANCE
HEIGHT OF EYE: 3.50 FEET
HEIGHT OF OBJECT: 0.50 FEET



ASBUILT PLAN
CONFORMING TO CONST. RECORDS
DONE BY: PJK
DATE: 1-6-95

PLAN REVISIONS		
DATE	SHEET NO. & DESCRIPTION	BY
6-7-94	1-27 SAP # & T.E.	G.J.
6-10-94	Anoka Co. Revisions	LKF
6-28-94	2&6 MnDOT Revisions	SS & BJ.

28-129

MINNESOTA DEPARTMENT OF TRANSPORTATION

~~RECOMMENDED FOR APPROVAL~~ _____ STATE AID PLANS & SPEC. ENGR. ~~DATE~~ _____

RECOMMENDED FOR APPROVAL Mary L. Biesinger METRO - ASSISTANT DIVISION ENGINEER - STATE AID DATE 6/21/94

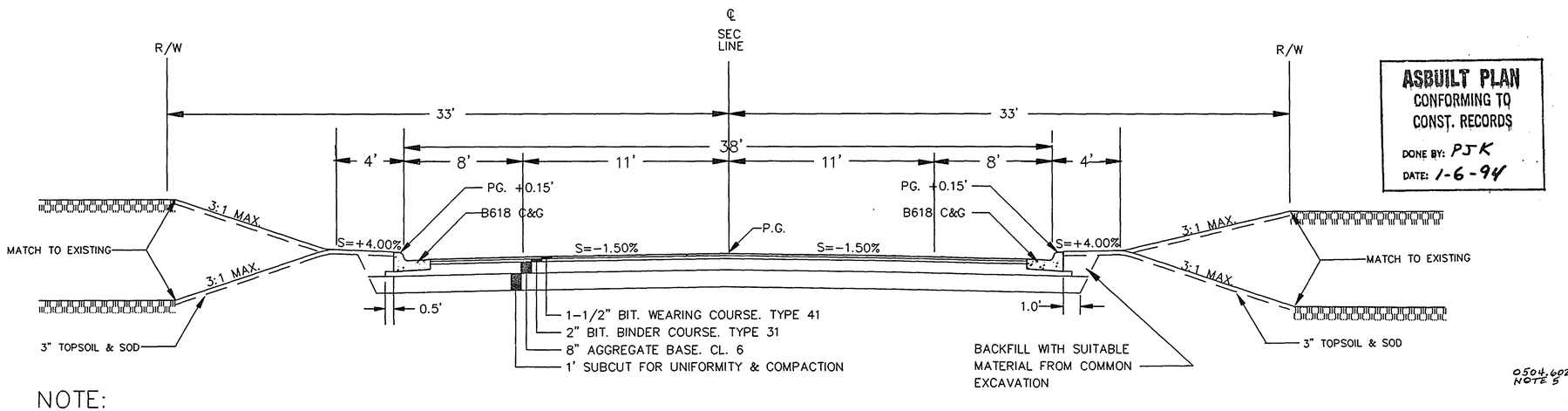
~~RECOMMENDED FOR APPROVAL~~ _____ TRAFFIC ENGINEER ~~DATE~~ _____

APPROVED _____ FOR STATE AID ENGINEER DATE 6-28-94

T:/DWGS/PLEASANTVIEW/05/10/94

STATEMENT OF ESTIMATED QUANTITIES

CHART	NOTE	ITEM NO.	CONTRACT ITEM	UNIT	TOTAL ESTIMATED QUANTITIES	TOTAL FINAL QUANTITIES	CITY OF FRIDLEY		CITY OF MOUNDSVIEW		STORM SEWER	
							ESTIMATED QUANTITIES	FINAL QUANTITIES	ESTIMATED QUANTITIES	FINAL QUANTITIES	ESTIMATED QUANTITIES	FINAL QUANTITIES
		2021.501	MOBILIZATION	LS	1		0.5		0.5			
	①	2104.501	REMOVE CONCRETE CURB & GUTTER	LF	40		40					
		2104.505	REMOVE BITUMINOUS PAVEMENT	SY	7626		3912		3714			
	①	2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SY	129		51		78			
	①	2104.511	SAWING CONCRETE PAVEMENT	LF	60		29		31			
	①	2104.513	SAWING BITUMINOUS PAVEMENT	LF	556		397		159			
		2105.501	COMMON EXCAVATION	CY	11489		5745 (P)		5744(P)			
		2105.525	TOPSOIL BORROW (LV)	CY	600		300		300			
	②	2130.501	WATER	(M)GAL	10		5		5			
		2221.503	AGGREGATE SHOULDERING CL.2 PLACED	CY	40		20(P)		20(P)			
		2211.503	AGGREGATE BASE CL.5 PLACED	CY	2912		1547(P)		1365(P)			
	③	0331.601	BIT. DRIVEWAY REPLACEMENT (PRIVATE)	SY	40		20		20			
	③	0331.601	BIT. DRIVEWAY REPLACEMENT	SY	1000		500		500			
		2340.510	TYPE 31 BINDER COURSE MIXTURE	TON	1220		622		598			
		2340.510	TYPE 41 WEARING COURSE MIXTURE	TON	915		470		445			
		2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GAL	504		264		240			
	①	0412.604	SALVAGE & INSTALL BRICK PAVERS	SF	240		240					
B		0504.602	6" C.I.P. WATERMAIN OFFSET	EACH	1				1			
		2503.541	15" R.C. PIPE SEWER DES. 3006	LF	621						621	
B		2503.541	21" R.C. PIPE SEWER DES. 3006	LF	34						34	
B	④	2506.506	CONST. DRAINAGE STRUCTURE DES. A OR F	LF	34						34	
			CONST. CATCH BASIN DES. A OR F	LF	21.4						21.4	
A												
		2506.511	RECONSTRUCT SANITARY MANHOLE	LF	10		10					
A		2506.521	INSTALL CASTINGS	EACH	2		2					
A	⑤	2506.522	ADJUST FRAME & RING CASTING	EACH	7		7					
C		0504.602	ADJUST VALVE BOX	EACH	7		4		3			
		0504.602	RELOCATE HYDRANT ASSEMBLY	EACH	4		2		2			
	①	2531.501	CONCRETE CURB & GUTTER DES. B618	LF	4855		2434		2421			
	①	2531.507	6" CONCRETE DRIVEWAY PAVEMENT	SY	94		45		49			
	③	2531.507	6" CONCRETE DRIVEWAY PAVEMENT (PRIVATE)	SY	40		20		20			
		0563.601	TRAFFIC CONTROL	LS	1		0.5		0.5			
D		2573.502	SILT FENCE HEAVY DUTY	LF	285		30		255			
		2575.505	SODDING, TYPE LAWN	SY	6600		3300		3300			
		2575.531	COMMERCIAL FERTILIZER ANALYSIS 12-12-12	TON	0.30		0.15		0.15			



NOTE:
1.5' CLEAR ZONE REQUIRED FROM FACE OF CURB TO ANY FIXED OBJECT.

STA. 0+18 to STA. 23+98

ASBUILT PLAN
CONFORMING TO CONST. RECORDS
DONE BY: PJK
DATE: 1-6-94

0504.602 NOTE 5 SS 6/20

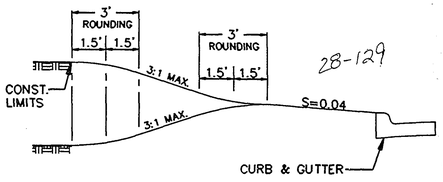
CONSTRUCTION NOTES

- THE CONTRACTOR SHALL COOPERATE WITH THE CITY OF FRIDLEY AS RELATES TO PERPETUATING MONUMENTATIONION. ADVANCE NOTICE OF ANY DISTURBANCE OF MONUMENTS SHOULD BE MADE TO THE FRIDLEY SURVEYORS OFFICE AT 572-3557.
- THE CONTRACTOR SHALL OBTAIN FROM THE UTILITY COMPANIES THE EXACT LOCATION OF ANY UNDERGROUND UTILITIES WHICH MAY EXIST WITHIN, OR ADJACENT TO, THE CONSTRUCTION AREA.
- TOP OF "GRADING GRADE" IS DEFINED AS THE TOP OF THE EMBANKMENT MATERIAL OR THE BOTTOM OF THE AGGREGATE BASE COURSE.
- STRIP TOPSOIL FROM ALL AREAS TO BE DISTURBED BY CONSTRUCTION AND STOCKPILE (IF PRACTICAL) FOR REPLACEMENT LATER AS SLOPE DRESSING.
- PROVIDE FOR REMOVAL AND DISPOSAL OF (OUTSIDE THE CONSTRUCTION ZONE) ANY INPLACE SURFACING AND STRUCTURES THAT WILL INTERFERE WITH CONSTRUCTION.
- FROM A SOILS STANDPOINT, TRAFFIC SHALL BE MAINTAINED NO CLOSER THAN AN IMAGINARY 2:1 LINE DRAWN FROM THE BOTTOM OF ANY EXCAVATION INTERSECTING THE SURFACING.
- THE ORDINARY COMPACTION METHOD SHALL BE USED ON THIS PROJECT FOR GRADING AND BASE.
- PROVIDE DRAINAGE OUTLETS FOR ALL SUBCUTS DURING CONSTRUCTION. DITCHES SHOULD BE DEEPER THAN SUBCUT TO PROVIDE OUTLET DRAINAGE.
- PROVIDE A TACK COAT, SPEC. 2357.2A, BETWEEN BITUMINOUS COURSES.
- WHERE THE PROPOSED SUBCUT IS LOCATED UNDER INPLACE BASE AND BITUMINOUS SURFACING OR CONCRETE PAVEMENT, THE ENDS OF SUBCUT SHALL BE VERTICAL FOR THE DEPTH OF THE BITUM-INOUS OR CONCRETE AND 2:1 IN AGGREGATE BASE.
- TAPER ENDS OF SUBCUT TO A 20:1 SLOPE UNLESS OTHERWISE RECOMMENDED.
- UNSUITABLE GRADING MATERIAL SHALL CONSIST OF TOPSOIL, OTHER ORGANIC SOIL AND DEBRIS.
- SILT FENCE SHALL BE INSTALLED AT ALL FILL SLOPES AND MAY BE REQUIRED AT OTHER LOCATIONS DURING CONSTRUCTION AS DETERMINED BY THE ENGINEER. (SPEC. 2573, 3886, 1707 & 1803.5)
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INLCLUDING APPENDIX B, DATED NOV. 19, 1992

QUANTITY NOTES

①	AS INDICATED ON PLAN SHEETS
②	FOR DUST CONTROL
③	AS DIRECTED BY CITIES - SEE SPECIAL PROVISIONS
④	CONE SECTIONS FOR MH. OR CB. SHALL BE CONCENTRIC DESIGN
⑤	INCLUDE SALVAGING CASTING ASSEMBLY

SLOPE ROUNDING DETAIL



28-129

T:\DWGS\PLESVIEW\SEQ 06/01/94

CHART A — EXISTING STRUCTURES CHART

STATION SECTION LINE	LOCATION	NO.	TYPE	CASTING ASSEMBLY	ELEVATION: PROFILE	ELEVATION: ORIGINAL GRATE OR RING	ELEVATION: NEW GRATE OR RING	ELEVATION: CB, MH OR APRON INVERT	SALVAGE CASTING ASSEMBLY EACH	ADJUST CASTING ASSEMBLY EACH	RECONST. CB OR MH L.F.	INSTALL CASTING ASSEMBLY EACH	REMARKS
PLEASANT VIEW DR. CO. RD. H2 TO CO. RD. I													
0-26	LT. 35	1	STORM			902.30		896.50					OUTSIDE CONSTRUCTION LIMITS
0+00	LT. 16	2	SAN			902.99		889.89					OUTSIDE CONSTRUCTION LIMITS
0+00	RT. 13	3	SAN			902.80		882.10					OUTSIDE CONSTRUCTION LIMITS
0+19	LT. 35	4	CB			902.65		897.15	1	1			BREAK INTO EXISTING
3+00	LT. 16	5	SAN		902.18	903.17	903.28	894.17	1	1			
6+45	LT. 100	6	CB			902.31		897.81					OUTSIDE CONSTRUCTION LIMITS
6+53	LT. 34	15" R.C. PIPE (BULKHEADED)											
6+53	LT. 100	7	STORM			902.60		895.30					OUTSIDE CONSTRUCTION LIMITS
6+61	LT. 14	8	SAN		902.91	902.39	902.70	891.29	1	1			
6+78	LT. 100	9	CB			902.73		897.73					OUTSIDE CONSTRUCTION LIMITS
9+11	LT. 15	10	SAN		905.99	906.48	905.77	894.88			4'	1	
11+67	LT. 14	11	SAN		905.34	905.45	905.13	895.65	1	1			
13+17	LT. 31	18" R.C. PIPE (BULKHEADED)											BUILD MH 103 OVER EXISTING PIPE
13+25	LT. 16	12	SAN		904.49	905.74	904.25	893.04			6'	1	
16+54	LT. 16	13	SAN		903.25	903.44	903.21	894.44	1	1			
20+05	LT. 15	14	SAN		904.82	904.55	904.61	896.05	1	1			
23+09	LT. 16	15	SAN		909.75	908.86	909.54	897.46	1	1			
13+17	RT. 705	16	MH			907.88		895.18					OUTSIDE CONSTRUCTION LIMITS
								TOTALS	7	7			

CHART B — PROPOSED STORM SEWER STRUCTURE CHART

STATION SECTION LINE	LOCATION	NO.	TYPE DESIGN	CASTING ASSEMBLY	ELEVATION: PROFILE	ELEVATION: ORIGINAL GRATE OR RING	ELEVATION: NEW GRATE OR RING	ELEVATION: CB, MH OR APRON INVERT	F & I R.C. PIPE SEWER: 15"	18"	21"	DRAINS TO: STRUCT. NO.	DRAINS TO: INVERT ELEV.	REMARKS
2+43	RT. 19	101	CB A OR F	B	901.88	---	901.85	899.87	38			102	899.39	
2+43	LT. 19	102	CB A OR F	B	901.88	---	901.85	899.49	224			4	897.15	CONNECT INTO EXISTING C.B.
13+17	LT. 33	103	MH A OR F	A	904.17	---	904.17	893.26				STUB		① SEE NOTE
13+17	℄	104	MH A OR F	A	904.17	---	904.17	896.69	33			103	896.36	
13+17	℄	104			904.17	---	904.17	896.69			34	RT. 34	896.76	BULKHEAD
16+05	LT. 19	105	CB A OR F	B	902.44	---	902.41	893.73	19			106	898.54	
16+05	℄	106	MH A OR F	A	902.44	---	902.44	898.44	288			104	898.54	
16+05	RT. 19	107	CB A OR F	B	902.44	---	902.41	898.73	19			106	898.54	
TOTAL									621		34			

A = (MH) = RING CASTING MN/DOT 700-7, STD. PLATE 4101, 4108 : COVER CASTING MN/DOT NO. 716 STD. PLATE 4110
B = (CB) = GRATE FRAME MN/DOT 801, STD. PLATE 4126E : GRATE MN/DOT 810 STD. PLATE 4149C : CURB BOX MN/DOT 821B, STD. PLATE 4161F.

CASTINGS SHALL BE INCLUDED IN PRICE BID PER STRUCTURE (SPEC. REF. 2506)

NOTE
① BUILD MH OVER EXISTING R.C. PIPE AND REMOVE BULKHEAD. THE WORK SHALL BE INCIDENTAL TO STORM SEWER WORK.

CHART C — ADJUST VALVE BOX

STATION	LOCATION	TYPE	REMARKS
STA. 0+17	RT. 21'	WATER	ADJUST
STA. 0+20	LT. 29'	WATER	ADJUST
STA. 6+45	RT. 23'	WATER	ADJUST
STA. 6+74	LT. 35'	WATER	ADJUST
STA. 12+85	RT. 23'	WATER	ADJUST
STA. 13+36	LT. 38'	WATER	ADJUST
STA. 23+96	LT. 26'	WATER	ADJUST

BASIS FOR ESTIMATED QUANTITIES

2211.501 – AGGREGATE BASE – 140 LBS. PER CU. FT.
2340. – BITUMINOUS MIXTURES – 110 LBS. PER SQ. YD.PER INCH THICKNESS
2357.502 – BITUMINOUS MATERIAL FOR TACK COAT ESTIMATED AT 0.05 GAL. PER SQ. YD. PER APPLICATION
2575.531 – FERTILIZER 350 LBS./ACRE

STANDARD DETAIL PLATES

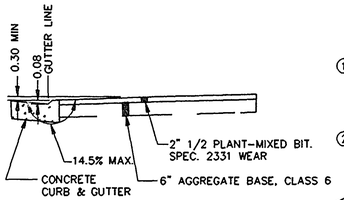
THE FOLLOWING STANDARD PLATES, APPROVED BY THE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT.

PLATE NO.	DESCRIPTION
0005 A	SPECIFICATION REFERENCE TO STANDARD PLATES
3000 L	REINFORCED CONCRETE PIPE
3006 F	GASKET JOINT FOR REINFORCED CONCRETE PIPE
4000 I	MANHOLE OR CATCH BASIN DESIGN A
4005 K	MANHOLE OR CATCH BASIN DESIGN F
4011 D	PRECAST CONCRETE BASE
4101 C	RING CASTING FOR MANHOLE OR CATCH BASIN
4110 E	COVER CASTING FOR MANHOLE
4126 F	CATCH BASIN FRAME CASTING
4149 C	GRATE CASTINGS FOR CATCH BASIN
4161 F	CURB BOX CASTING FOR CATCH BASIN
4180 H	MANHOLE OR CATCH BASIN STEP
7036 D	PEDESTRIAN CURB RAMP FOR THE HANDICAPPED
7100 F	CONCRETE CURB & GUTTER DESIGN B
7111 G	INSTALLATION & REINFORCEMENT OF CATCH BASIN CASTINGS
8000 I	STANDARD BARRICADE

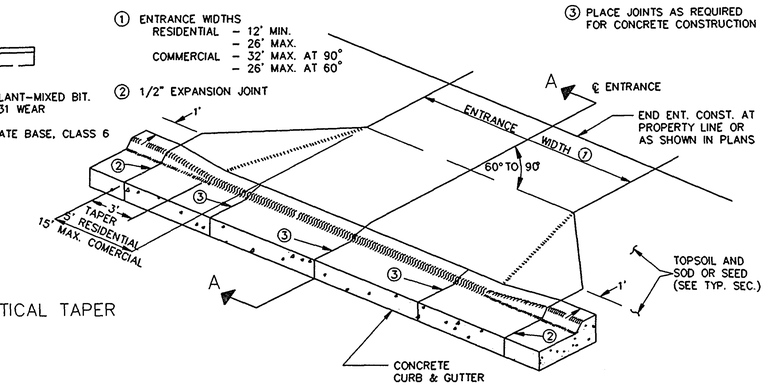
CHART D — SILT FENCE CHART

LOCATION STATION	SILT FENCE	REMARKS
STA. 20+50 TO 22+75 RT.	225 L.F.	
VARIOUS LOCATIONS	60 L.F.	INSTALL @ CATCH BASINS

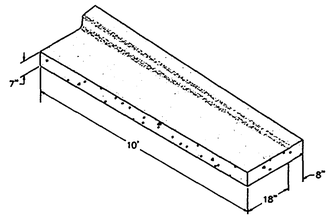
BITUMINOUS ENTRANCE DETAIL



SECTION A–A

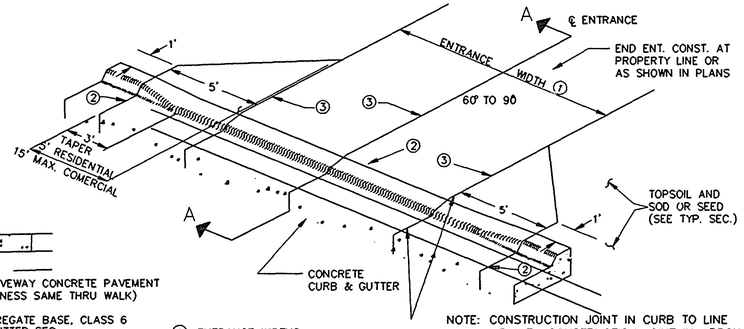


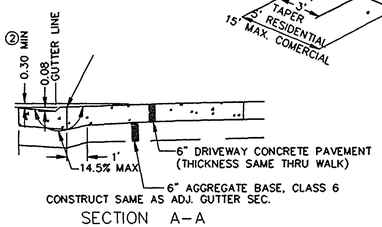
TRANSITION B618 VERTICAL TAPER



FOR OTHER DIMENSIONS SEE STD. PLATE NO. 7100

CONCRETE ENTRANCE DETAIL





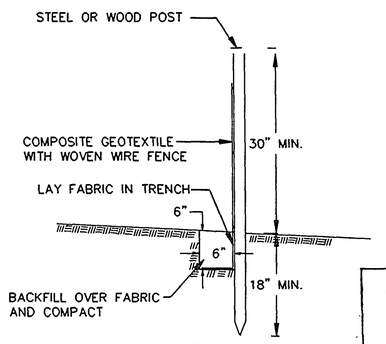
CONSTRUCT SAME AS ADJ. GUTTER SEC.
SECTION A–A

NOTE: CONSTRUCTION JOINT IN CURB TO LINE UP WITH CONSTRUCTION JOINT IN APRON

① ENTRANCE WIDTHS
RESIDENTIAL – 12' MIN.
– 26' MAX.
COMMERCIAL – 32' MAX. AT 90°
– 26' MAX. AT 60°

② 1/2" EXPANSION JOINT

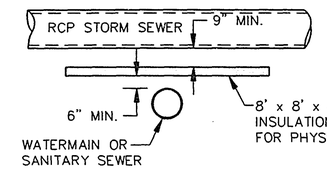
③ PLACE JOINTS AS REQUIRED FOR CONCRETE CONSTRUCTION



HEAVY DUTY SILT FENCE INSTALLATION

ASBUILT PLAN
CONFORMING TO CONST. RECORDS
DONE BY: PJK
DATE: 1-6-95

4" POLYSTYRENE INSULATION DETAIL



28-129

NOTE: PLACE MINIMUM 6" COMPACTED GRANULAR MATERIAL ABOVE AND BELOW INSULATION. PAYMENT SHALL BE INCLUDED IN THE PRICE OF INSULATION BY THE SQUARE YARD.

T:\DWGS\PLESVIEW\SEQ 06/01/94

B.M. TOP OF HYDRANT NE CORNER H2 & PLEASANTVIEW DRIVE ELEVATION 905.43

PNO76
N212820.090
E540174.910

PNO78
N213059.180
E540155.240

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1" = 30 ft.

B.M. TOP OF HYDRANT IN FRONT OF HO. #7415 ELEVATION 906.22

COUNTY ROAD H2 (73rd AVE. NE)

FRIDLEY

MOUNDSVIEW

ONONDAGA

CH EXISTING C&G
CB1
0.52 %
18" RCP
CB2
MH 2
MH 108
0+00
MH 3
GV
PP
BEGIN PROJECT STA. 0+18
6" CIP
TIMBER RETAINING WALL
R30'
GV
PP
REMOVE EXISTING C&G
29" OAK
T.E.
29" OAK
4" PINE
4" PINE
IRON PIPE
4" ASH
4" ASH
8" CIP
CONSTRUCTION ℄
19.00'
1+00
2+00
CB102
CONST. LIMITS
T.E.
4" PINE
IRON PIPE
STUMP
14" PINE
MH5
3+00
4+00
CONSTRUCTION ℄
8 " VCP
5+00
6+00
IRON PIPE
8 " CIP
MH8
7+00
8+00
CONSTRUCTION ℄
19.00'
9+00
CB101
6" CIP
8" ASH
14" ASH
14" ASH
6" CIP
CONST. LIMITS
T.E.
6 " CIP
11" OAK
21" OAK
6 " CIP
6 " CIP
24" OAK
4" ASH
18" OAK
24" OAK
CONST. LIMITS
T.E.
T.E.
CONST. LIMITS
R30'
BEGIN PROJECT STA. 0+18
6" CIP
12" RCP
18" RCP
CB6
MH7
12" RCP
CB9
54" RCP
② INSULATE 8' x 8'
MATCH EXISTING C&G
R20'
PP
IRON PIPE
MATCH EXISTING C&G
R20'
IRON PIPE
11" PINE
T.E.
CONST. LIMITS
T.E.
11" APPLE
15" MAPLE
8 " CIP
MH10
8 " VCP

LEGEND

1. RELOCATE HYDRANT STA 0+25 RT. 30
   RELOCATE HYDRANT STA 0+31 LT. 29
2. INSULATE
3. SAWCUT BITUMINOUS
4. SAWCUT CONCRETE
5. BEGIN B618 WITH 10' VERTICAL TAPER (DETAIL SHEET 3)
6. ADJUST W.S.O.

36
~~38~~.0 L.F.
@ 1.0 %
15 " RCP
CB102 901.49
CB101 901.48
INV. ~~899.39~~ 898.88
INV. ~~899.87~~ 898.98

LOW POINT ELEV = 901.88
LOW POINT STA = 2+43.04
PVI STA = 2+40
PVI ELEV = 901.83
A.D. = -0.78
K = 64.17
50.00' VC
BVCS: 2+15
BVCE: 901.94
EVCS: 2+65
EVCE: 901.92

PVI STA = 7+25
PVI ELEV = 903.49
A.D. = -0.90
K = 55.70
50.00' VC
BVCS: 7+00
BVCE: 903.40
EVCS: 7+50
EVCE: 903.80

ASBUILT PLAN
CONFORMING TO CONST. RECORDS
DONE BY: PJK
DATE: 1-6-95

925
920
915
910
905
900
895

CB4 902.17
MH108 902.69
-0.44%
@ 1.0 %
224 L.F.
15 " RCP
EXISTING ℄ PROFILE
PROPOSED ℄ PROFILE = CONSTRUCTION ℄
EXISTING ℄ PROFILE
PROPOSED ℄ PROFILE = CONSTRUCTION ℄
0.34%
1.24%
MH10
CB102
MH5
MH7
CB9
CB6
MH8
897.47
INV. 897.79
CONNECT TO EXISTING
202 L.F. 15" R.C.P.
6" CIP
8 " CIP
INV. ~~899.49~~ 898.88
1.96' - 1.0' SUBCUT FOR UNIFORMITY & COMPACTION
6" CIP
8 " CIP
6" CIP
894.17
-0.80 %
8 " VCP
897.81
897.73
895.30
-1.44 %
891.29
1.96' - 1.0' SUBCUT FOR UNIFORMITY & COMPACTION
6" CIP
8 " CIP
8 " VCP

DATUM ELEV 890.00

0+00	1+00	2+00	3+00	4+00	5+00	6+00	7+00	8+00	9+00
902.9 / 902.7	902.66 / 903.0	902.44 / 903.1	902.22 / 903.2	902.00 / 903.1	901.88 / 903.0	902.04 / 903.1	902.21 / 903.2	902.38 / 903.3	902.55 / 903.4
902.72 / 903.4	902.89 / 903.3	903.06 / 903.4	903.23 / 903.8	903.40 / 904.4	903.80 / 905.1	904.42 / 905.8	905.04 / 906.3	905.66	

28-129

X:\PLEASANTVIEW 05/04/94

M.S.A.P. 127-353-01 S.A.P. 146-242-01 SHEET NO. 4 OF 27 SHEETS

B.M. PNO 79
ELEVATION 908.53

PNO79
N213732.910
E540177.400

B.M. TOP OF HYDRANT IN FRONT OF HQ. #7500 ELEVATION 908.53

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1" = 30 ft.

PNO80
N214579.450
E540172.790

FRIDLEY

11" APPLE
11" APPLE
11" MAPLE
11" ASH 18" MAPLE
MAPLE
CONST. LIMITS 15" APPLE
MATCH EXISTING C&G
BRICK PLANTER
IRON PIPE
MATCH EXISTING C&G
WOOD PICKET FENCE
WOOD PICKET FENCE
CONST. LIMITS
8" ASH
12" PINE
TWIN 24" TREE
12" PINE
PP

MH10 MH11 MH12 MH103 MH104 MH13 CB105 CB107 MH106

9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00

CONSTRUCTION ℄
8 " VCP
8 " CIP
6 " CIP
-0.43 %
19.00
9.00

75TH AVE.
18" RCP
8" CIP
GV
STUB

OFFSET 6" C.I.P. WATERMAIN
(SEE INSET)
3.5'
BULKHEAD
R20'
CONSTRUCT V GUTTER THROUGH INTERSECTION. CONSTRUCT PER STANDARD PLATE 7100 EXCEPT AS MODIFIED
TO BE PAID FOR AS B618 C&G

2.0' 1.5' 1.0'

BRONSON DRIVE

18" OAK
14" OAK
4" OAK
14" OAK
WOOD FENCE
CONST. LIMITS
T.E.
31" OAK 31" OAK 31" OAK
CONST. LIMITS
4" PINE
CONST. LIMITS
21" ASH
21" ASH
4" ASH
21"

MOUNDSVIEW

S.D.109

LEGEND
1. RELOCATE HYDRANT STA 12+99 RT. 25
2. INSULATE
3. SAWCUT BITUMINOUS
4. SAWCUT CONCRETE
5. BEGIN B618 WITH 10' VERTICAL TAPER (DETAIL SHEET 3)
6. ADJUST W.S.O.

HIGH POINT ELEV = 906.18
HIGH POINT STA = 9+58.70
PVI STA = 9+50
PVI ELEV = 906.28
A.D. = 1.84
K = 27.17
50.00' VC
BVCS: 9+25 BVCE: 905.97
EVCS: 9+75 EVCE: 906.13

WATERMAIN OFFSET
MIN. 2" INSULATION IF REQ'D
NEW SEWER
MECH. COMPACTED BACKFILL
EXIST. W.M.
CUT EXIST. WATERMAIN
RETAINER GLAND
1/8 BEND
3/4 " TIE RODS (GALVANIZED)
6"

904.38
MH103
36 ~~50~~.0 L.F. @ 1.0 % 15 " RCP
INV. ~~896.36~~ 895.18
34.0 L.F. @ .2% 21 " RCP
MH104 904.11
INV. ~~896.69~~ 896.11
BULKHEAD STUB
BUILD OVER EXISTING PIPE
893.78

902.05 CB105
902.46 MH106
901.89 CB107
901.80 S.D. 109
24 LF 15" R.C.P.
899.50
18 ~~19.0~~ L.F. @ 1.0 % 15 " RCP
INV. 898.~~73~~ .75
19.0 L.F. 18 L.F
@ 1.0 % 15 " RCP
INV. 898.~~73~~ 99
INV. 898.~~54~~ .66

LOW POINT ELEV = 902.44
LOW POINT STA = 16+05
PVI STA = 16+00
PVI ELEV = 902.38
A.D. = -1.00
K = 50.00
50.00' VC
BVCS: 15+75 BVCE: 902.53
EVCS: 16+25 EVCE: 902.48

ASBUILT PLAN
CONFORMING TO CONST. RECORDS
DONE BY: PJK
DATE: 1-6-95

EXISTING ℄ PROFILE
PROPOSED ℄ PROFILE = CONSTRUCTION ℄
EXISTING PROFILE
PROPOSED ℄ PROFILE = CONSTRUCTION ℄

925 920 915 910 905 900 895 890 885

MH10 MH11 MH12 MH104 MH106 MH13

FOR ACTION

1.96' – 1.0' SUBCUT FOR UNIFORMITY & COMPACTION
1.96' – 1.0' SUBCUT FOR UNIFORMITY & COMPACTION

6" CIP
8 " CIP
8 " VCP
6" CIP
-0.30 %
894.88
895.65
-0.60%
904.11
STUB 899.00
18" RCP
288.0 L.F.
@ .57 %
15 " RCP
INV. 896.~~79~~ .77
6" CIP
-0.43 %
8 " CIP
8" VCP
-0.46 %
0.40%
904.76
INV. 898.~~44~~ 66
894.44
893.04
OFFSET 6" WATERMAIN (SEE INSET)

906.3 905.66
906.5 906.17
906.2 905.98
906.1 905.68
905.8 905.38
905.5 905.08
905.4 904.78
905.4 904.48
905.7 904.18
905.6 903.88
904.9 903.58
904.4 903.28
904.1 902.98
903.8 902.68
903.7 902.44
903.8 902.58
904.0 902.78
904.2 902.98
904.1 903.18

9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00

28-129

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GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1" = 30 ft.

B.M. TOP OF HYDRANT IN FRONT OF HO. #7566 ELEVATION 906.87

B.M. SPIKE IN POWER POLE FRONT OF HO. #7624 ELEVATION 909.45

B.M. TOP OF MONUMENT 76N ELEVATION 911.08

RAMSEY COUNTY MONUMENT 76N — PN077 N215297.790 E540158.320

450 790 PINE

TWIN 24" TREE

TWIN 24" 21" PINE TREE

FRIDLEY

IRON PIPE

CONST. LIMITS

WOOD RAIL FENCE

T.E.

CONST. LIMITS

FRIDLEY

R30'

HYD

GV

12" PINE

CIP

8 " CIP

PP

18+00 19+00 20+00 21+00 22+00 23+00 24+00 24+77.76

-0.46 %

MH14

8 " VCP

-0.46 %

MH15

19.00' 33.00'

SECTION LINE

END PROJECT STA. 24+12

21" ASH STUMP 21" ASH T.E. 15" ASH 12" OAK 24" OAK 36" OAK 6" PINE 12" OAK

MOUNDSVIEW

MOUNDSVIEW

COUNTY ROAD 1

LEGEND

1. RELOCATE HYDRANT, STA 23+92 LT. 29, AS DIRECTED
2. INSULATE
3. SAWCUT BITUMINOUS
4. SAWCUT CONCRETE
5. BEGIN B618 WITH 10' VERTICAL TAPER (DETAIL SHEET 3)
6. ADJUST W.S.O.
7. SALVAGE AND INSTALL BRICK PAVERS

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: PJK
DATE: 1-6-95

925 920 915 910 905 900 895 890 885

PVI STA = 19+25
PVI ELEV = 903.68
A.D. = −0.20
K = 250.00
50.00' VC
BVCS: 19+00 BVCE: 903.58
EVCS: 19+50 EVCE: 903.83

PVI STA = 21+50
PVI ELEV = 905.03
A.D. = −2.03
K = 24.63
50.00' VC
BVCS: 21+25 BVCE: 904.88
EVCS: 21+75 EVCE: 905.69

PVI STA = 23+58
PVI ELEV = 910.50

EXISTING ℄ PROFILE

PROPOSED ℄ PROFILE = CONSTRUCTION ℄

2.04%

2.63%

0.60%

MH14

MH15

1.96' – 1.0' SUBCUT FOR UNIFORMITY & COMPACTION

8 " VCP

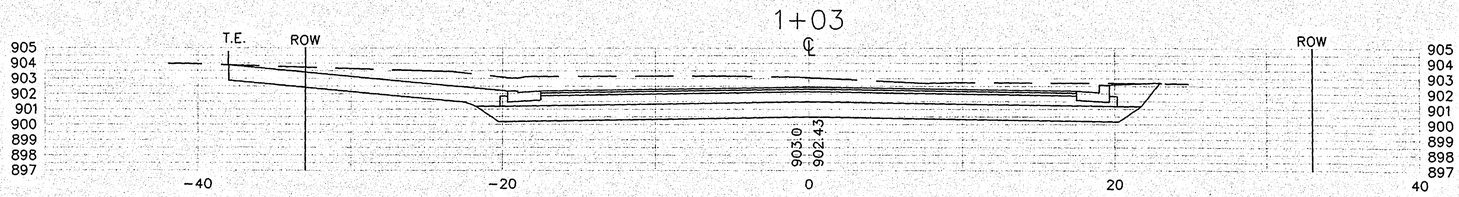
8 " CIP

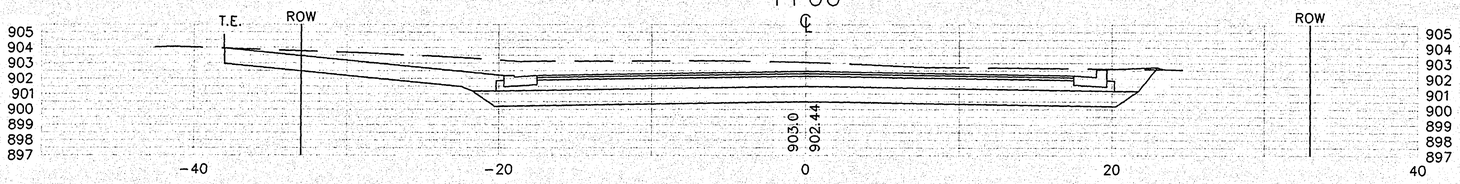
896.05

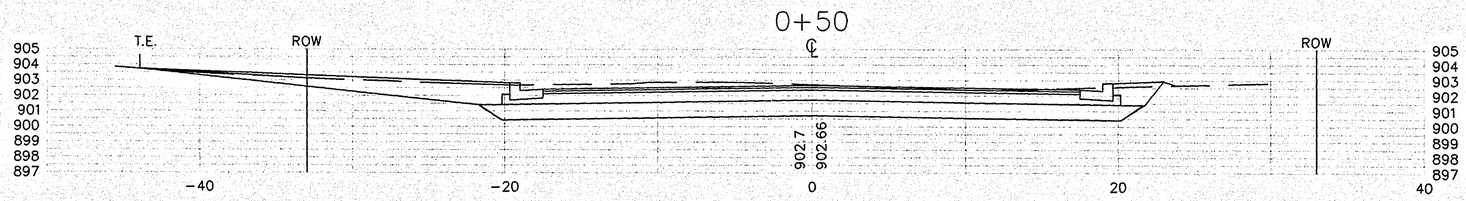
897.46

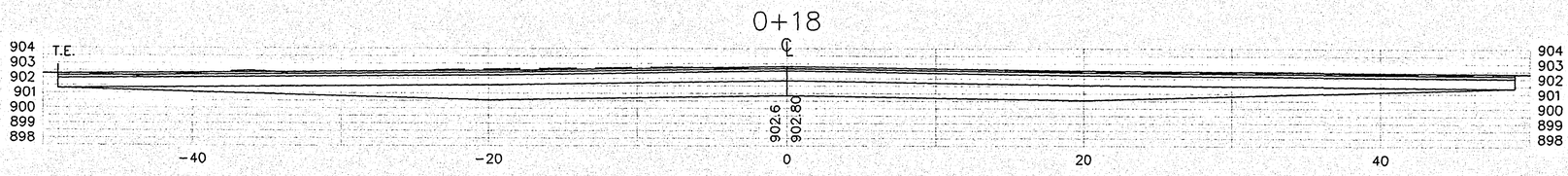
28-129

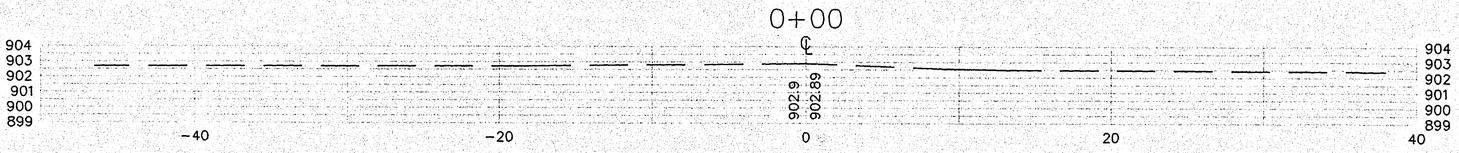
X:\PLEASANT\PLESVIEW 05/04/94











EARTHWORK SUMMARY
11718.58 CUT (INCLUDES BIT., ENT., & U.&C.)
-229.89 FILL
11488.89 TOTAL EXCESS
4200± UNIFORMITY & COMPACTION
7176± NET EXCESS (INCLUDES BIT. & CONC.)
(EXISTING BITUMINOUS IS ESTIMATED @ 750 C.Y.)

28-129

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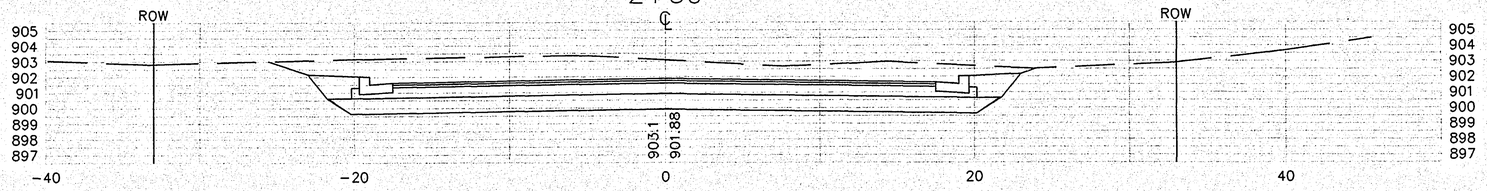
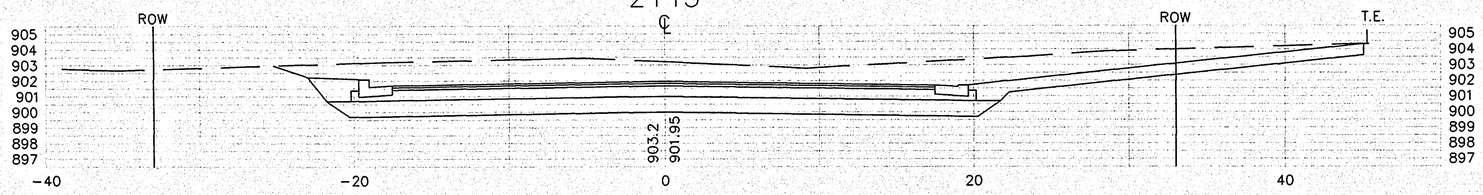
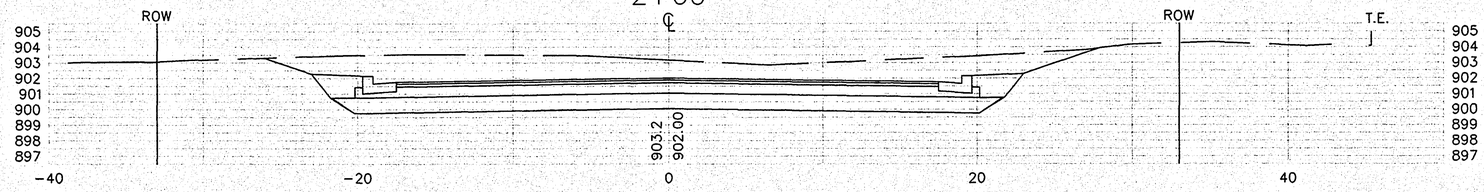
2+50



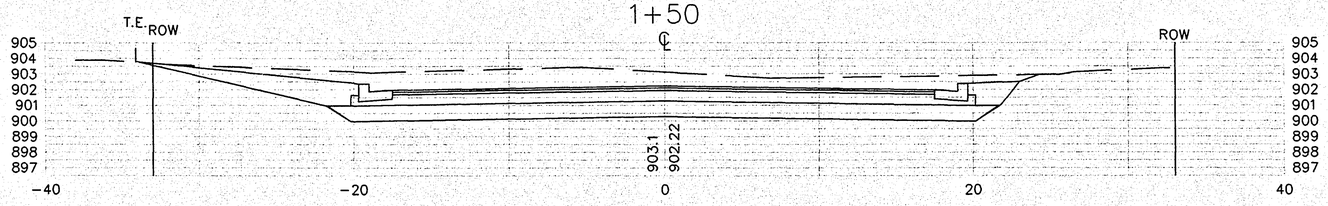
2+13



2+00



1+50



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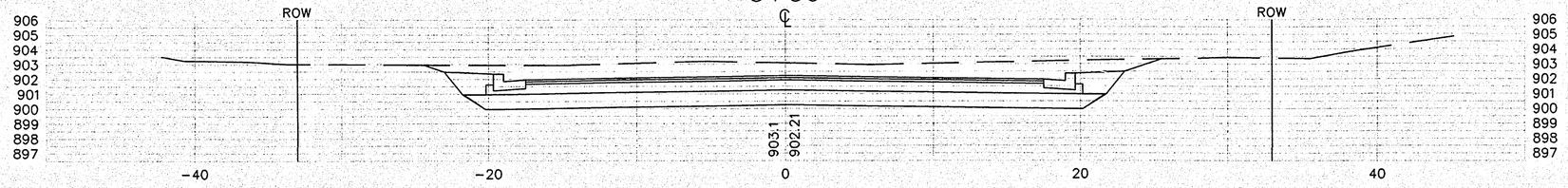
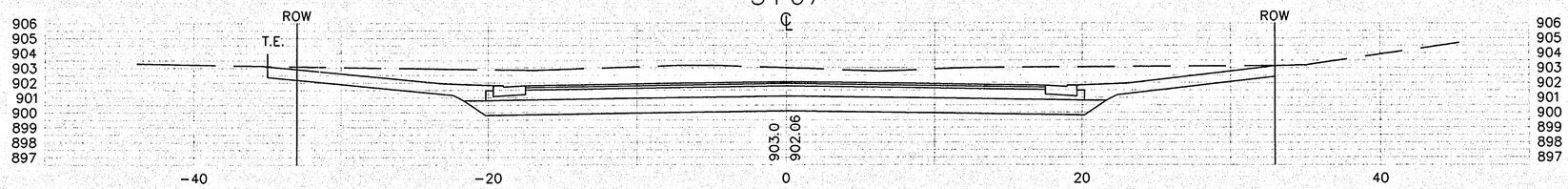
28-129

3+50



3+07



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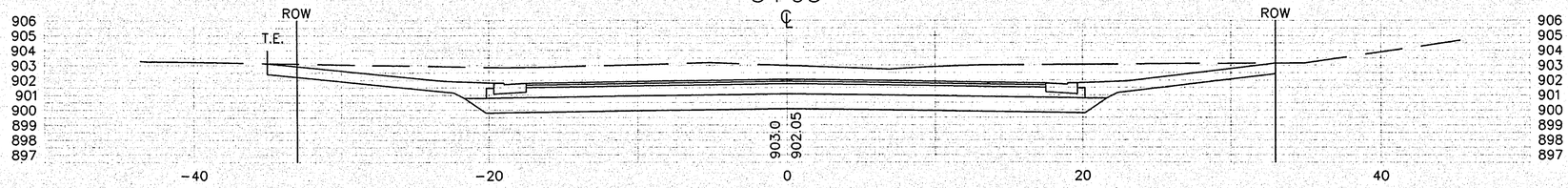
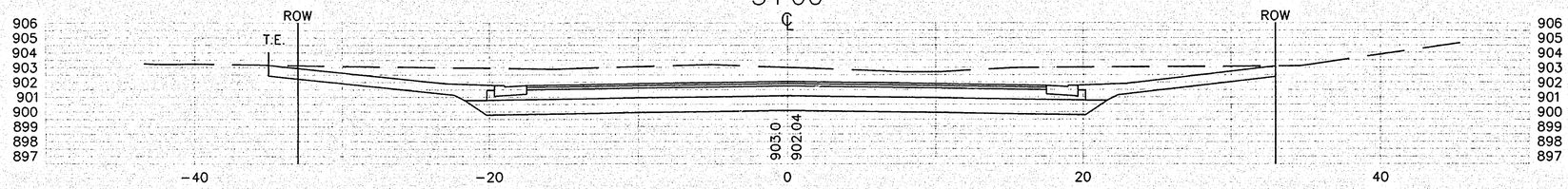


3+00



28-129

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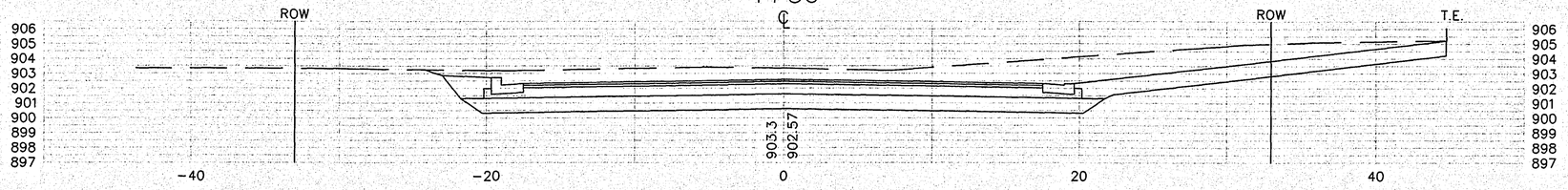
4+56



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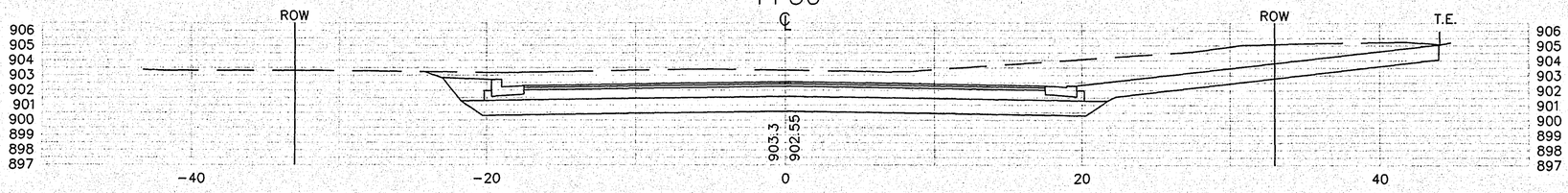

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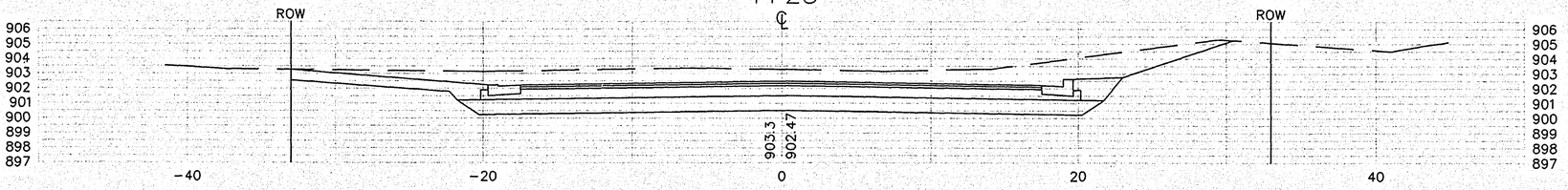
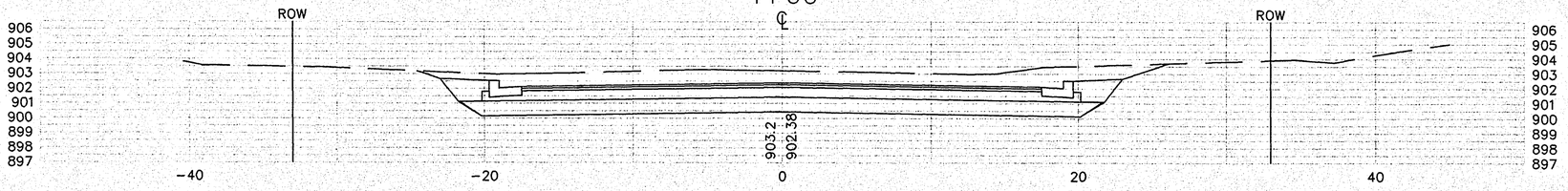


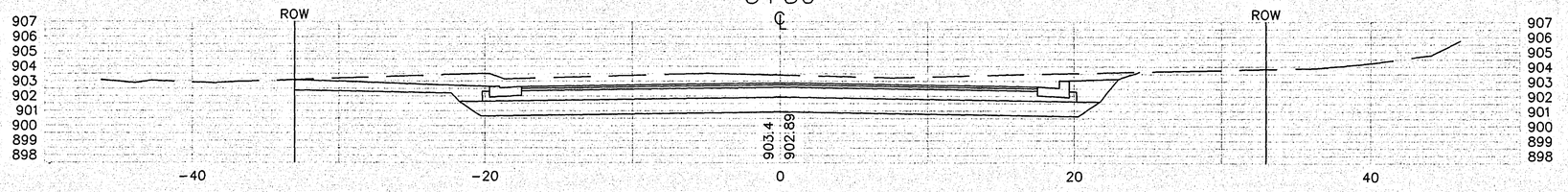
4+00



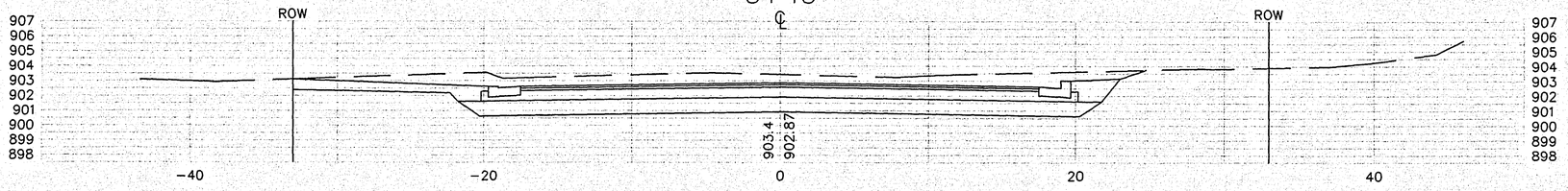
28-129

X:\PLEASANT\PLEASXS 06/01/94

5+50



5+45



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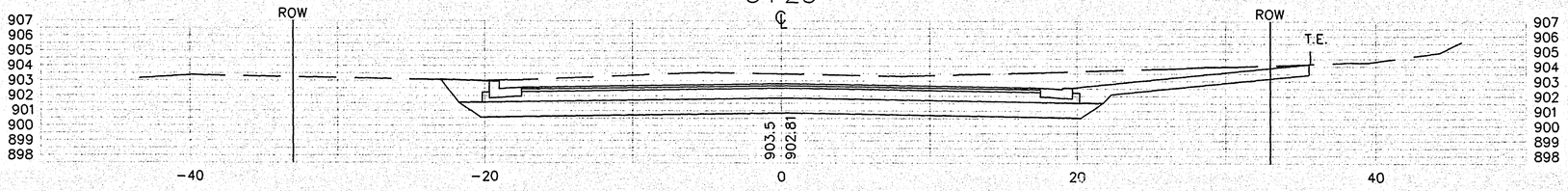

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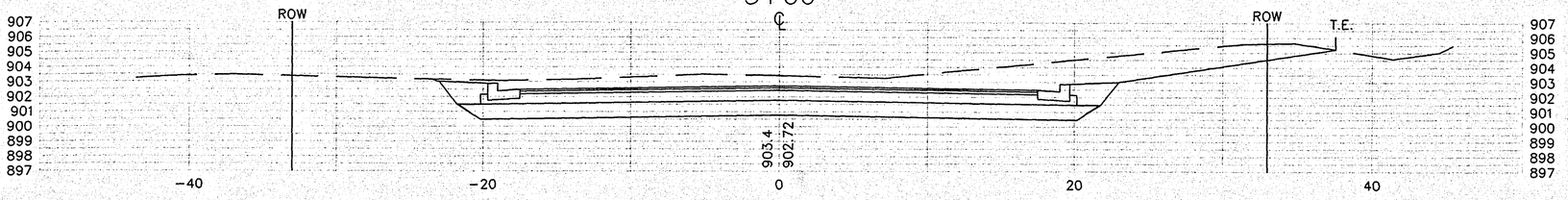

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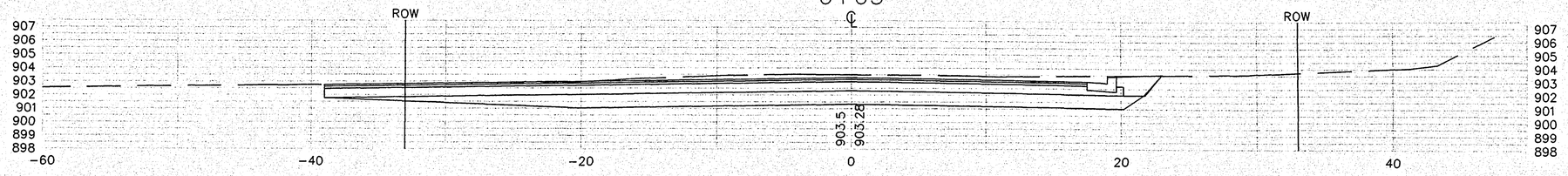
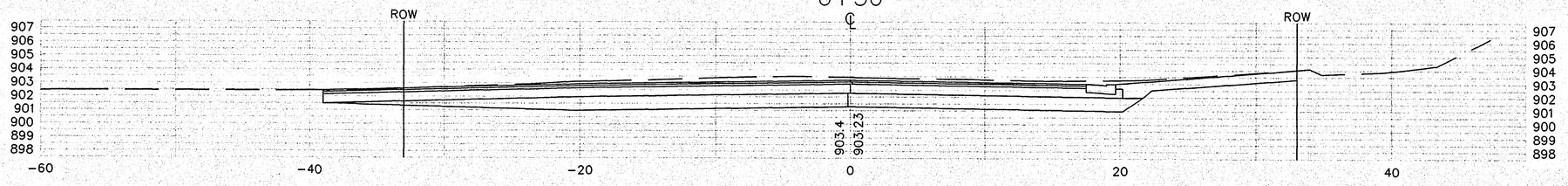
28-129

6+63



6+50



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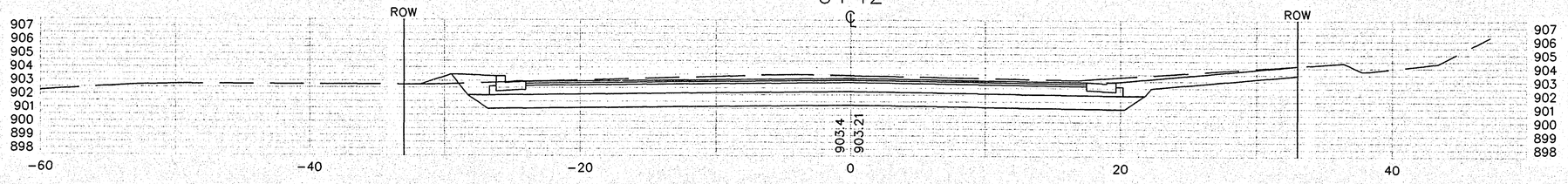

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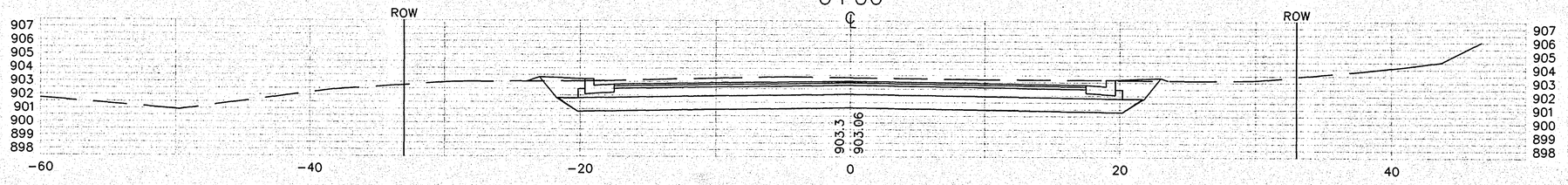
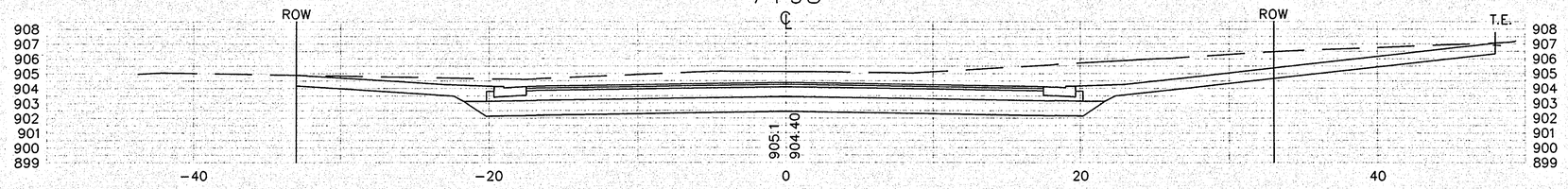


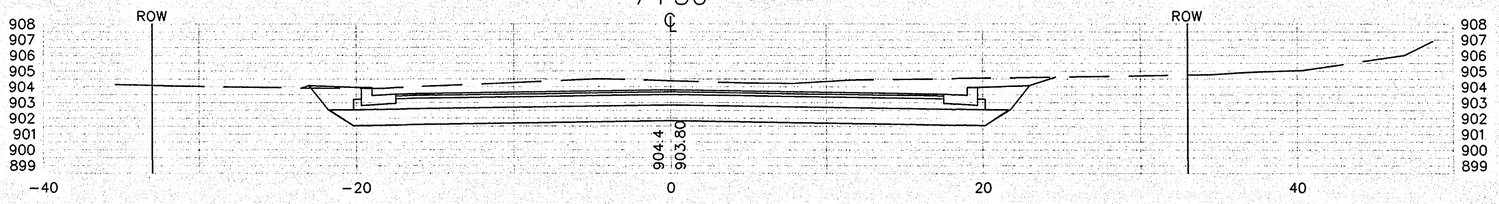
28-129

X:\PLEASANT\PLEASXS 06/01/94

7+98



7+50



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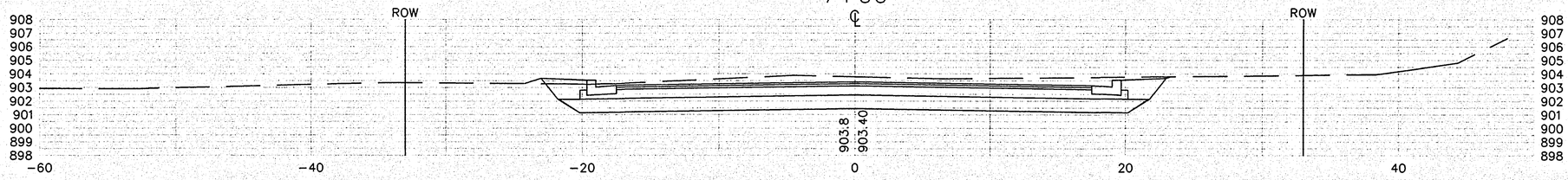

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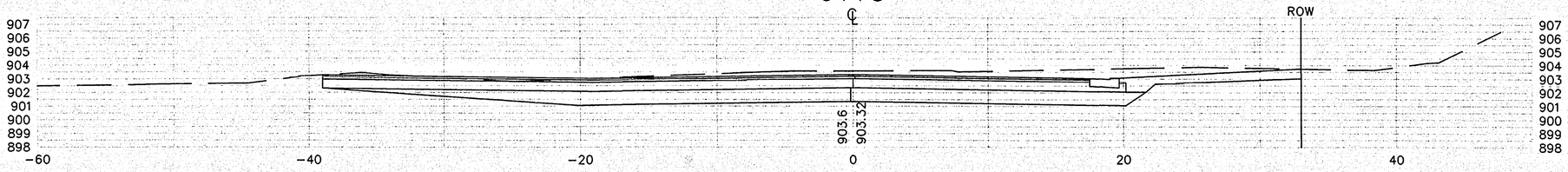

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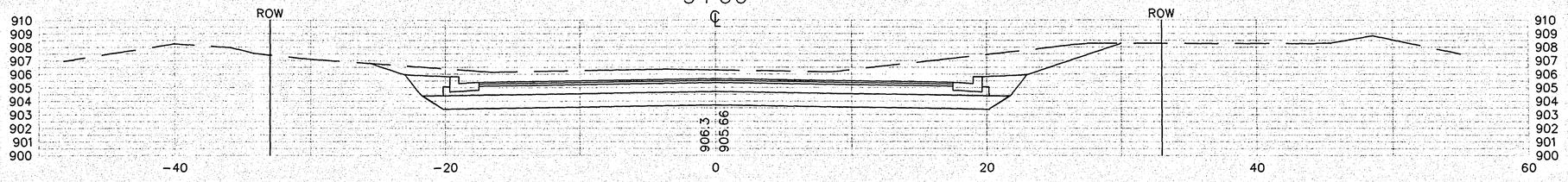

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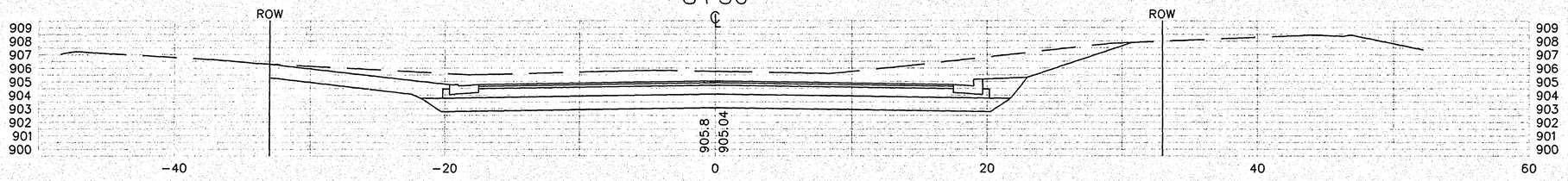

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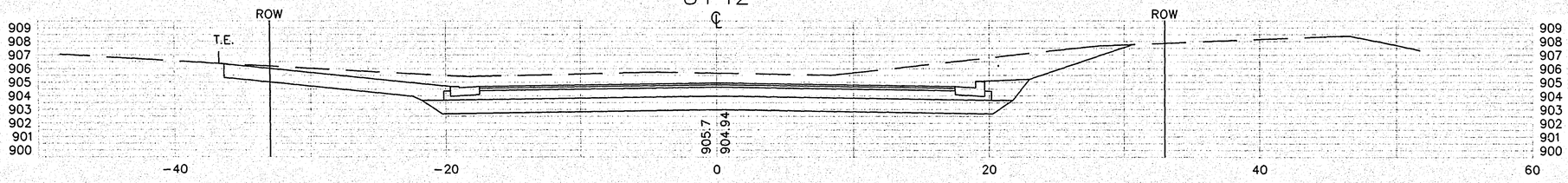

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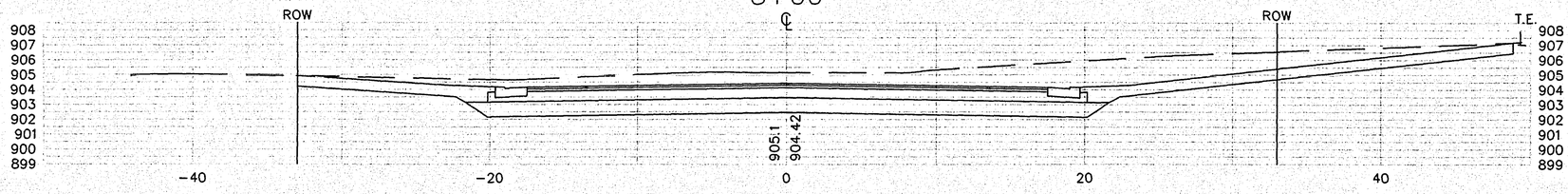

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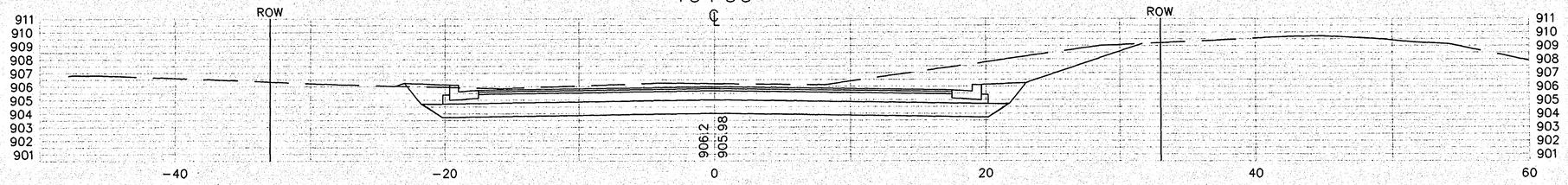

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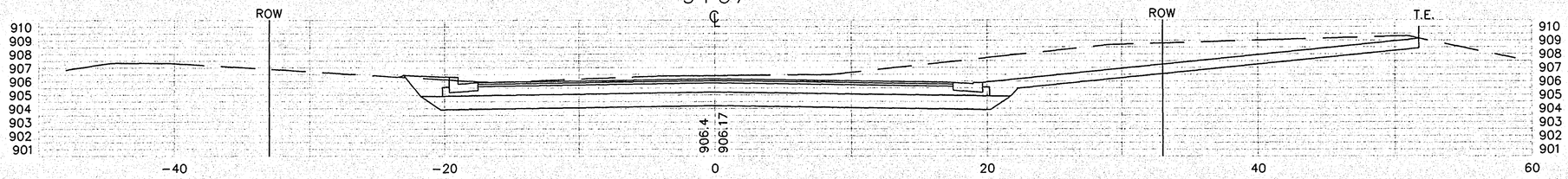

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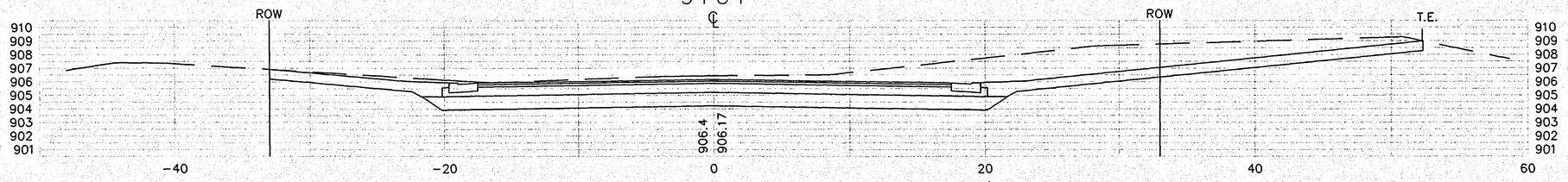

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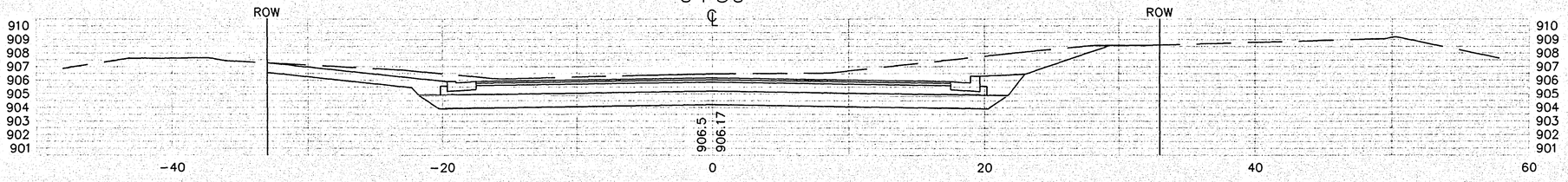

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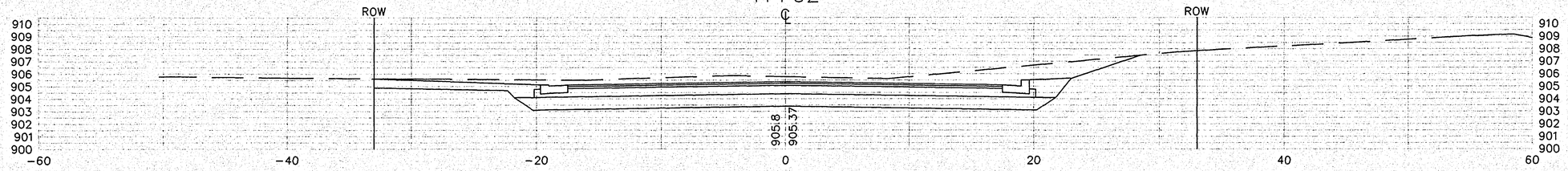

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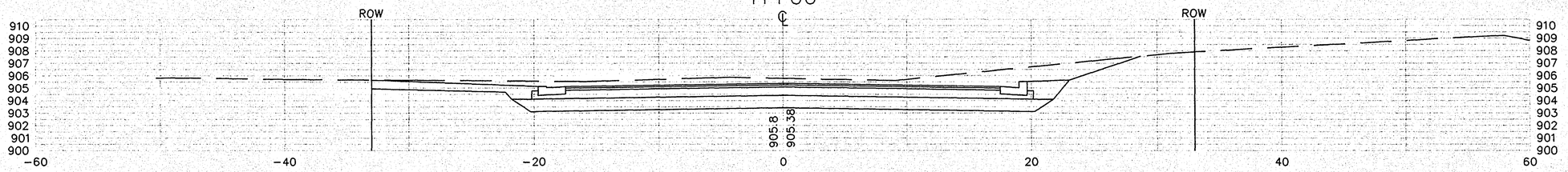

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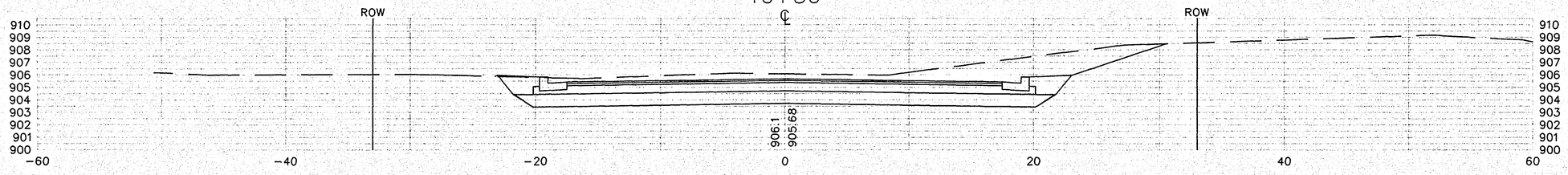

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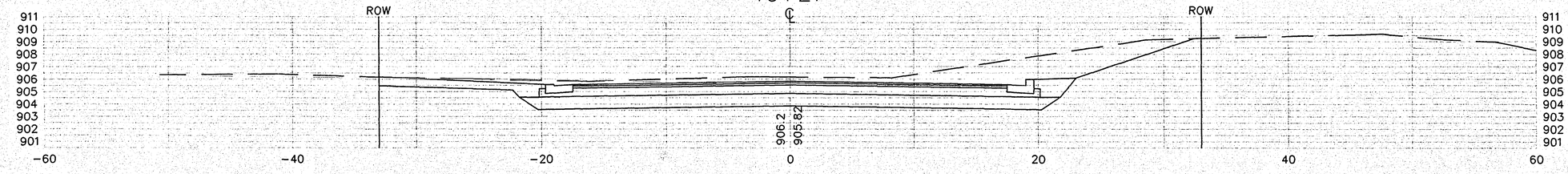

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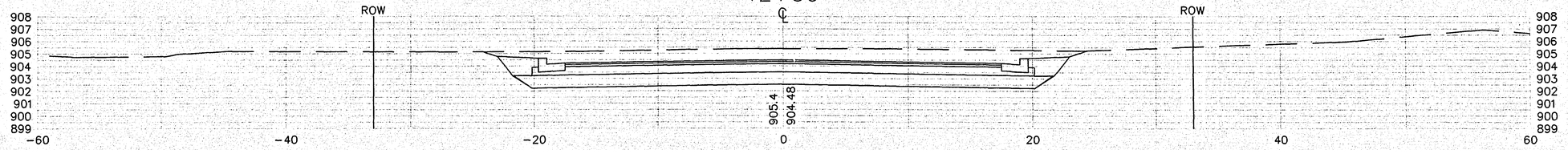

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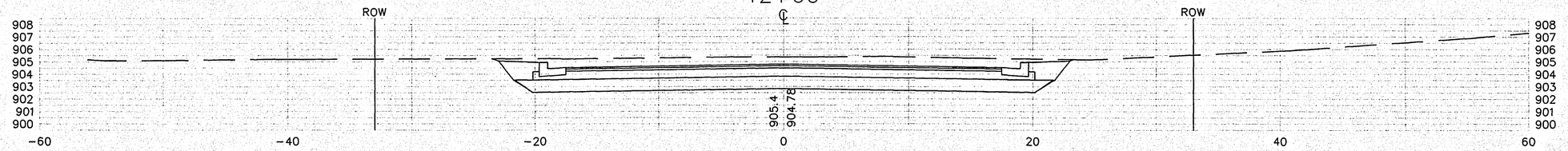

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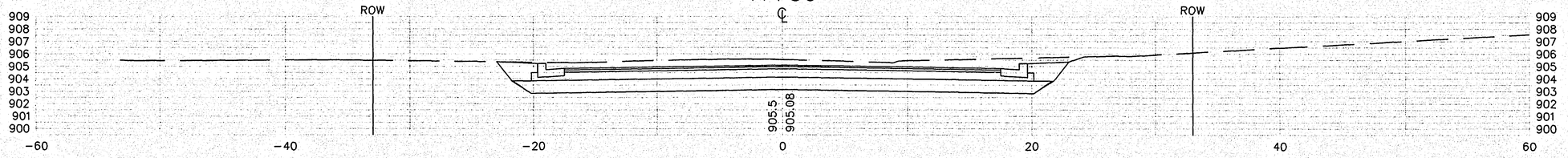

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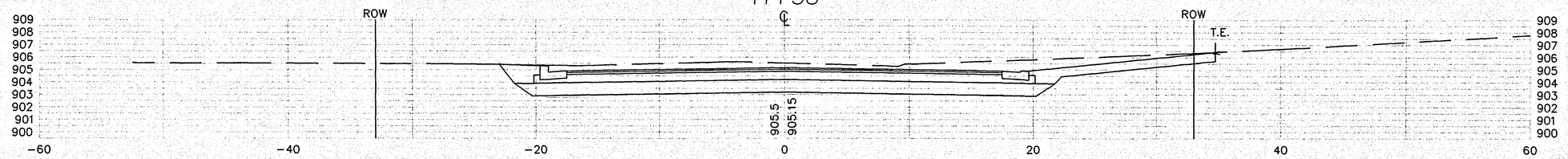

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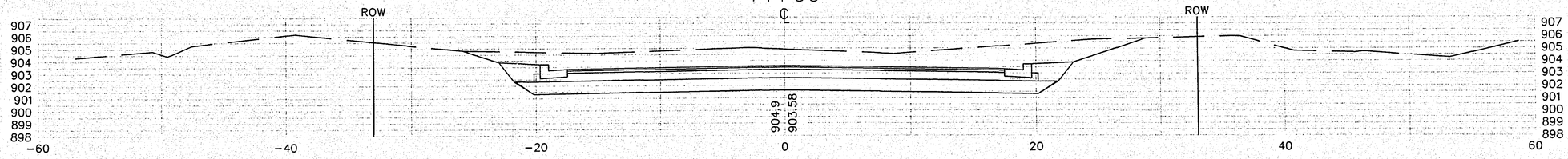

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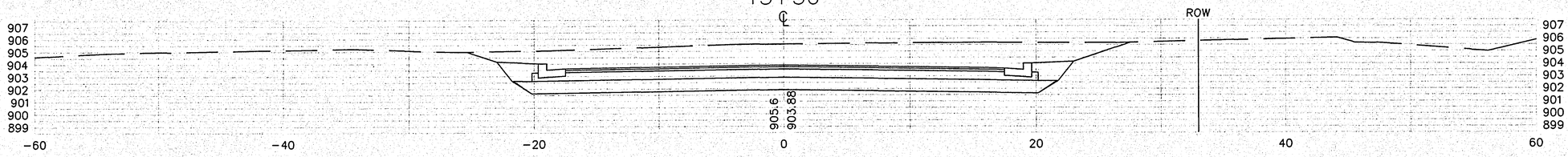

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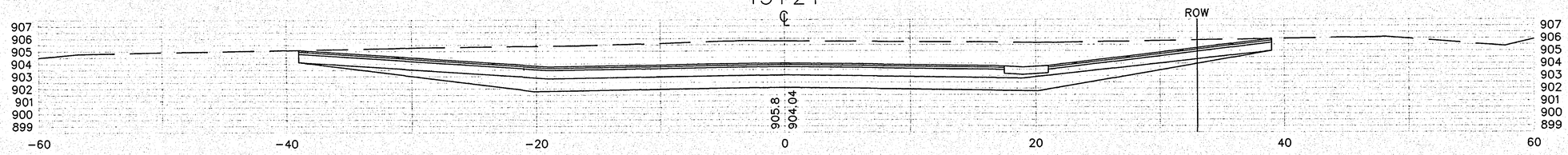

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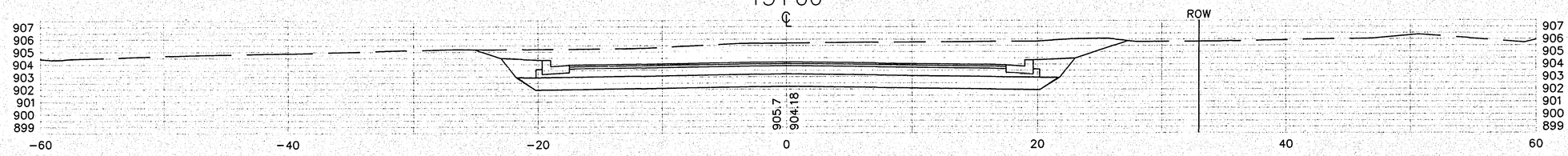

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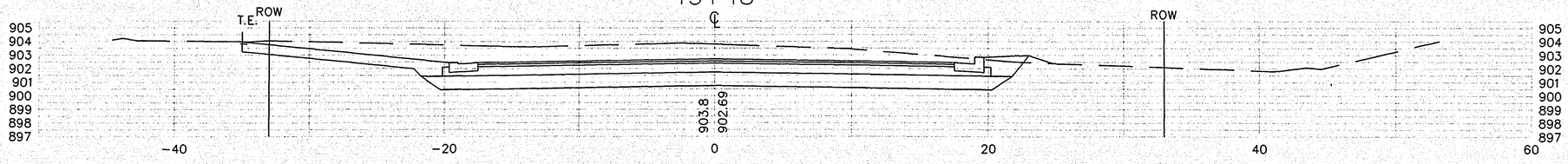

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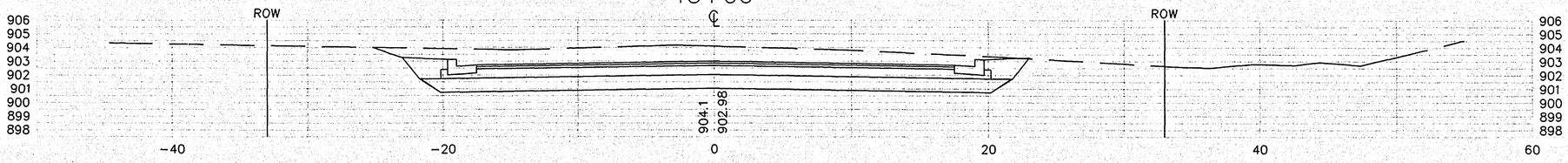

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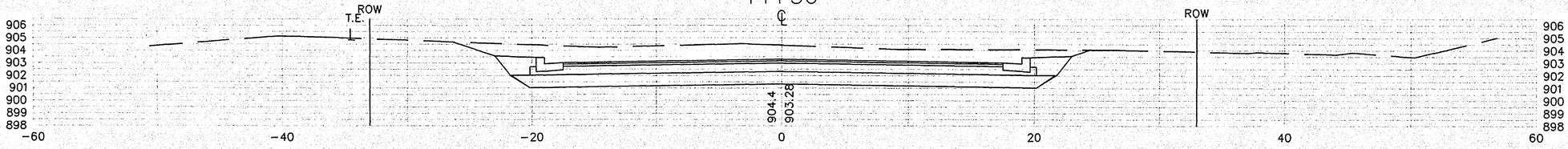

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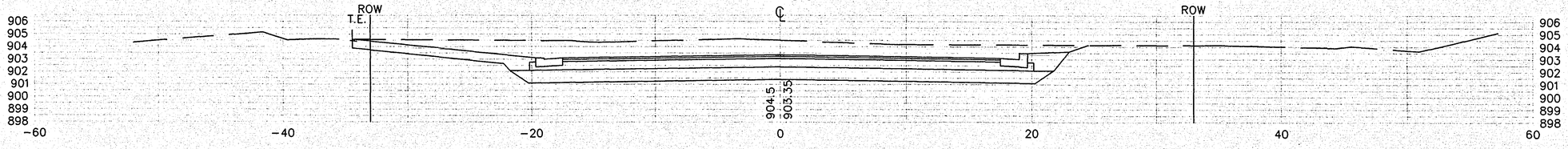

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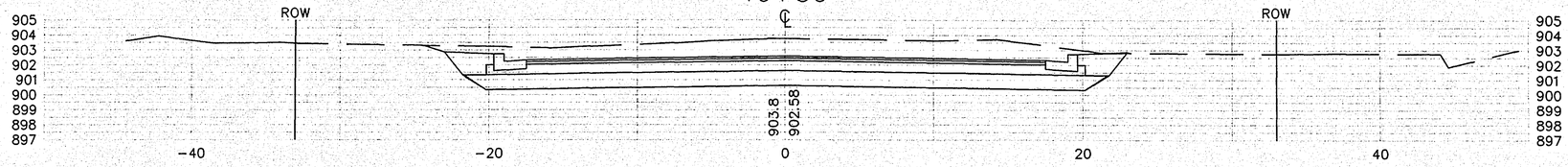

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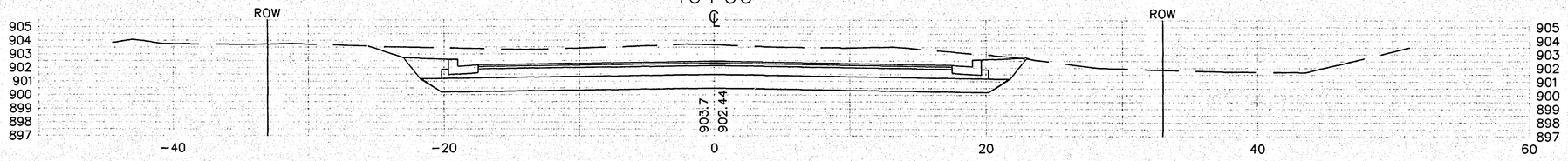

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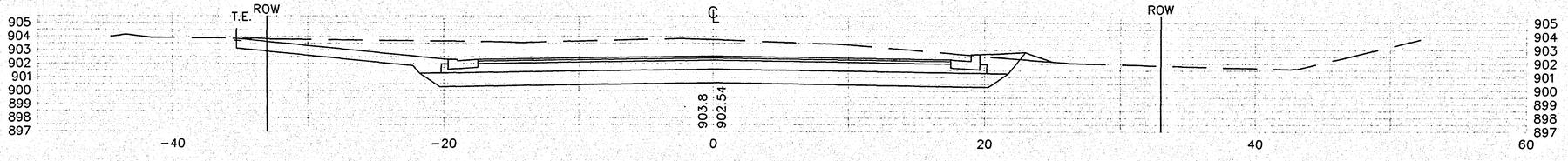

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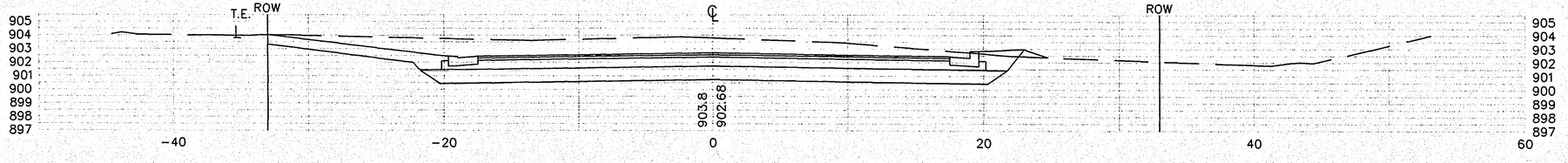

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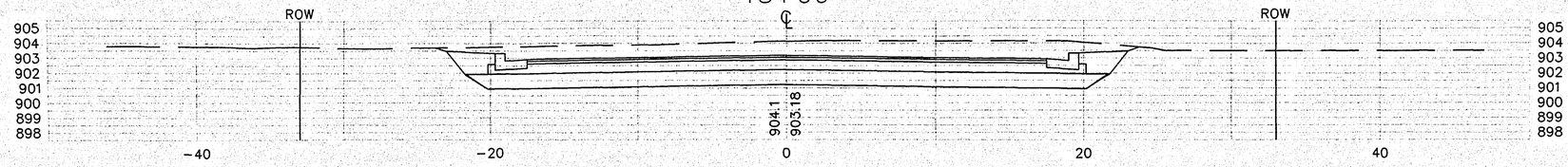

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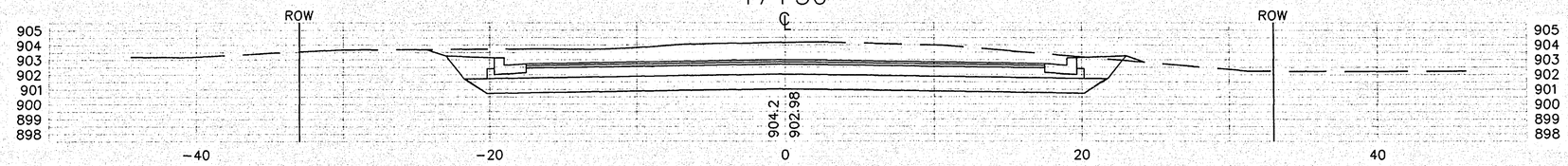

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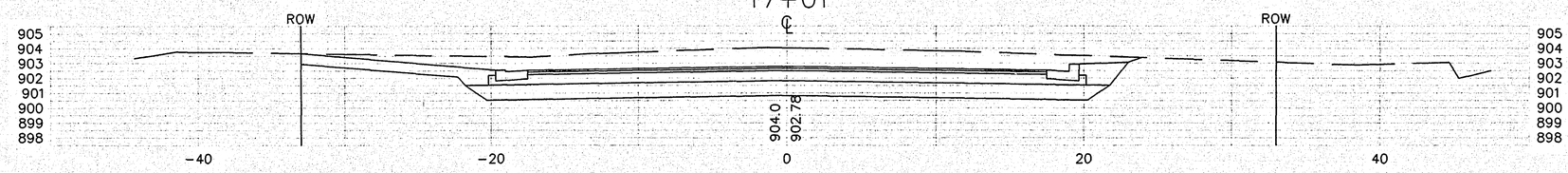

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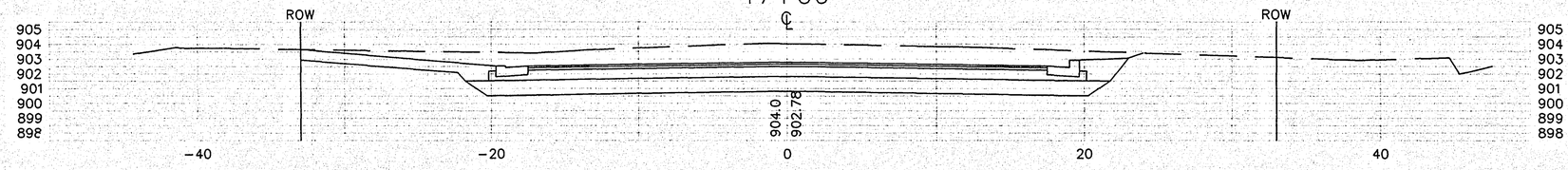

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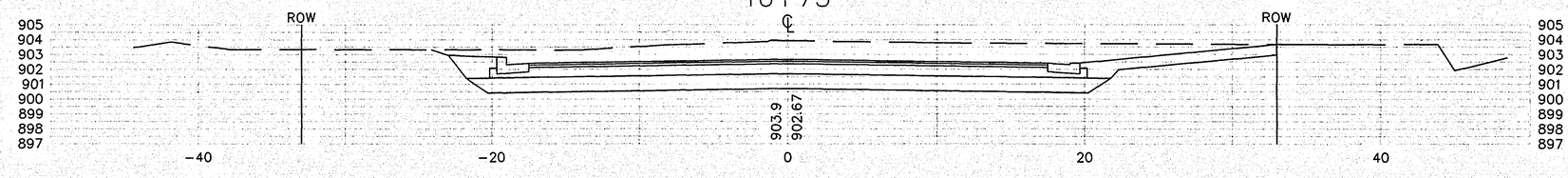

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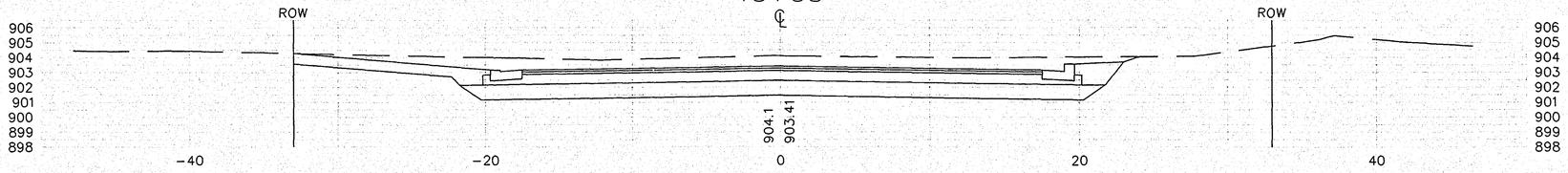

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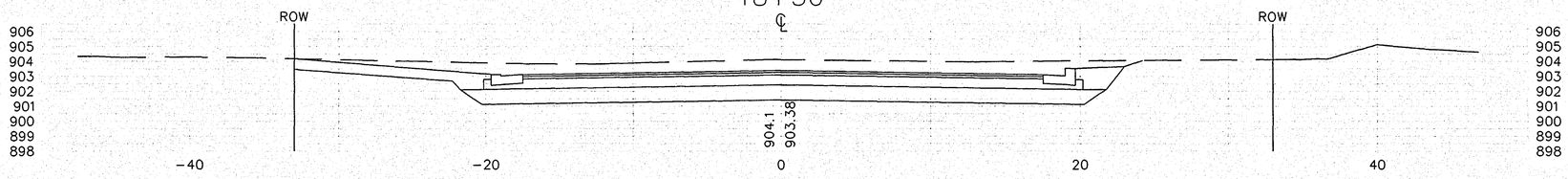

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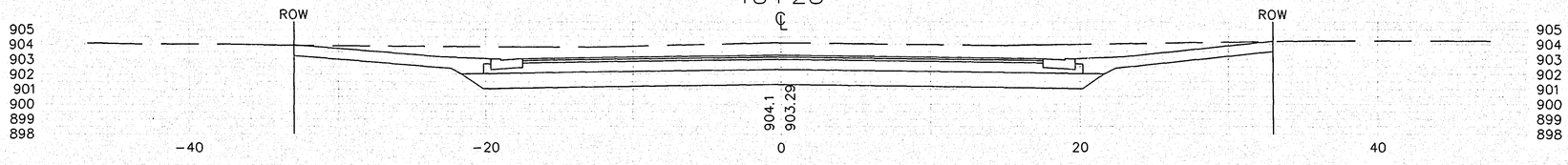

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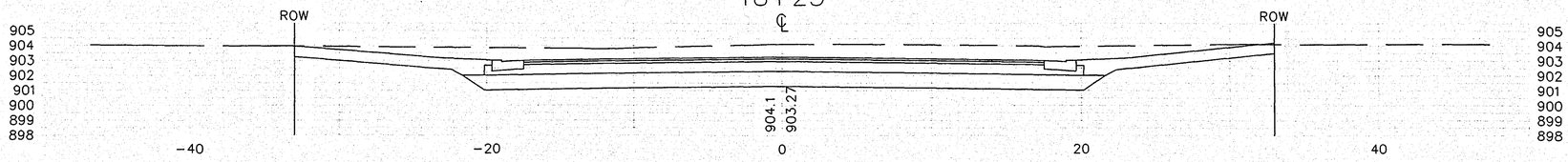

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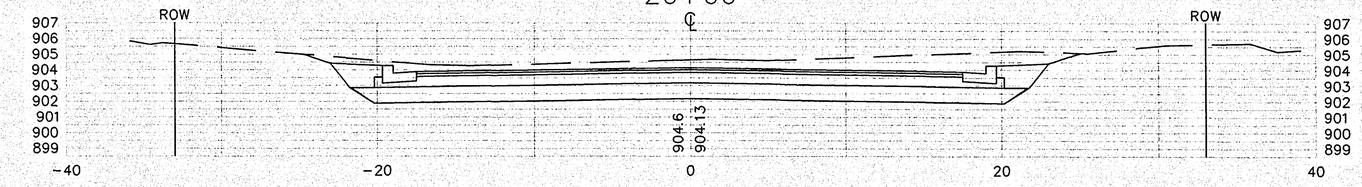

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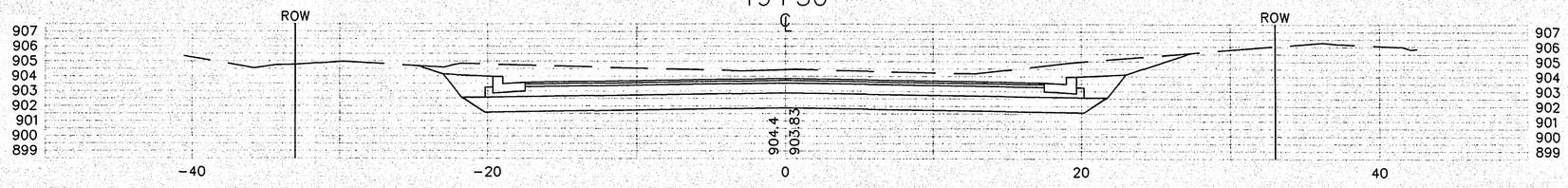

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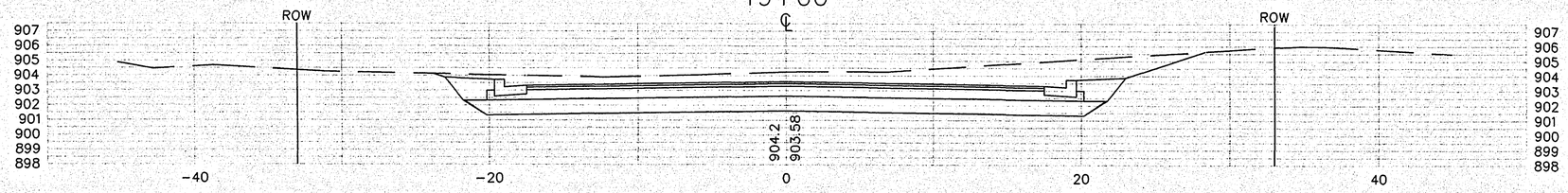

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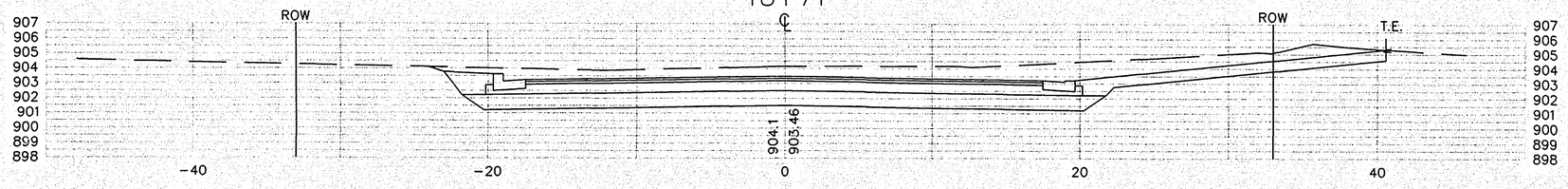

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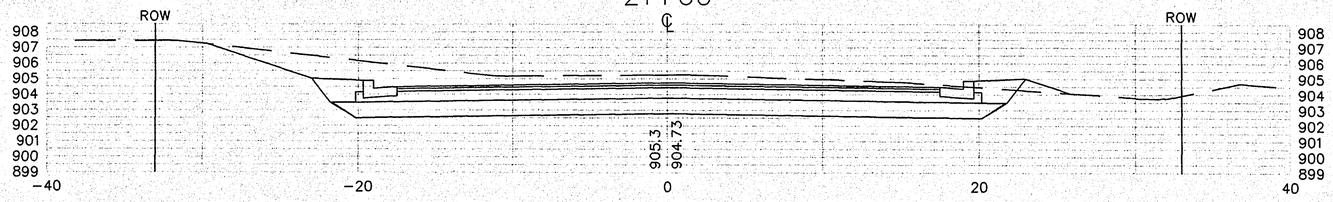

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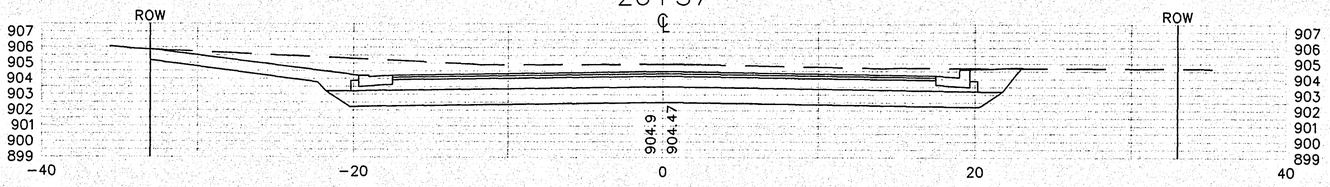

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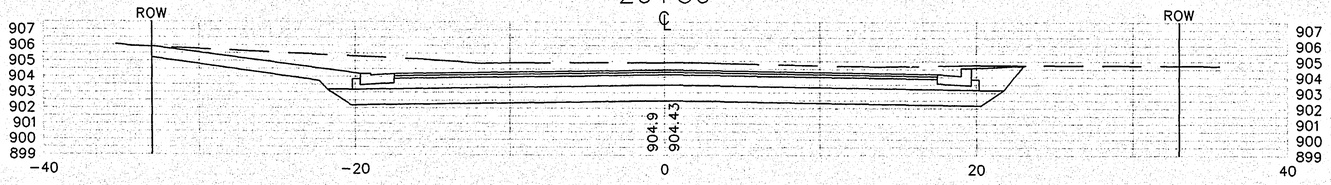

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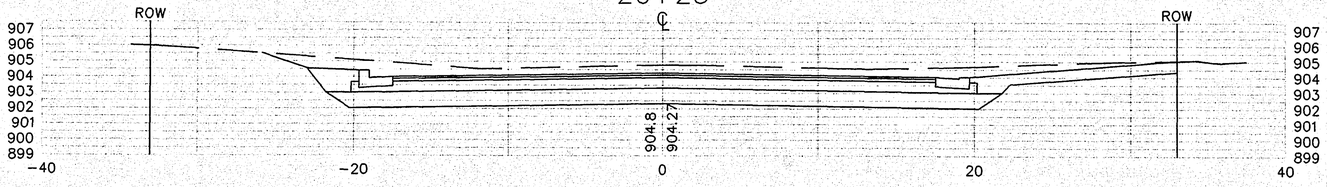

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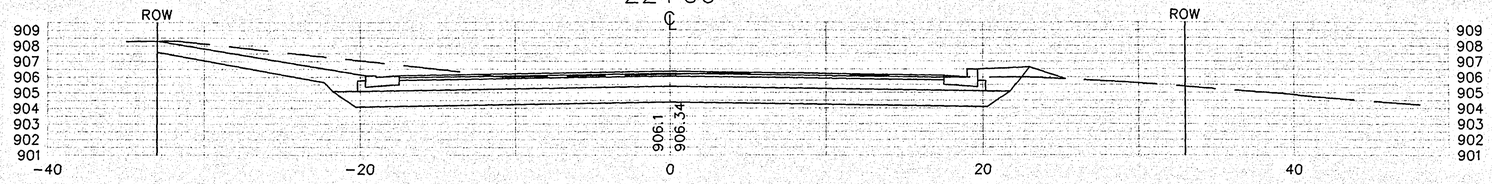

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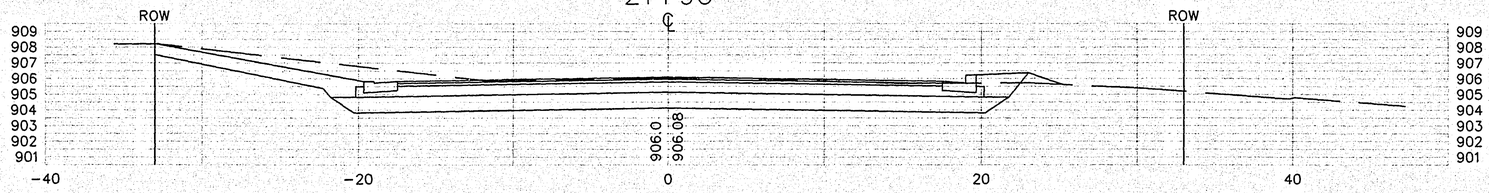

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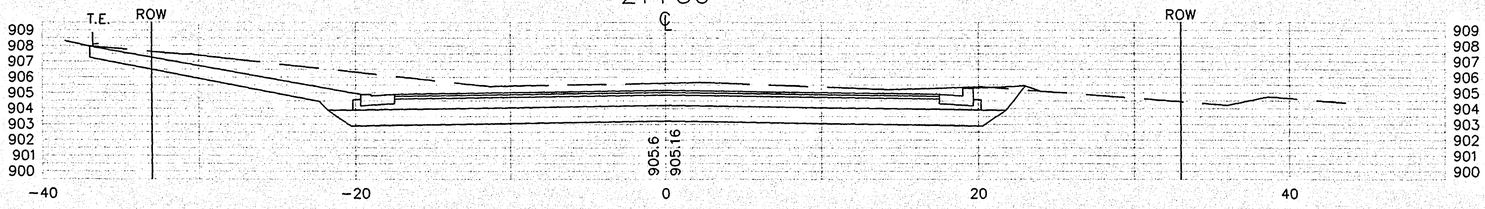

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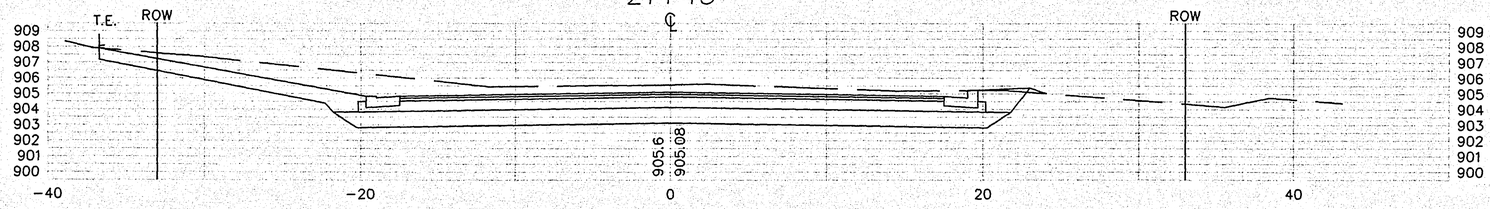

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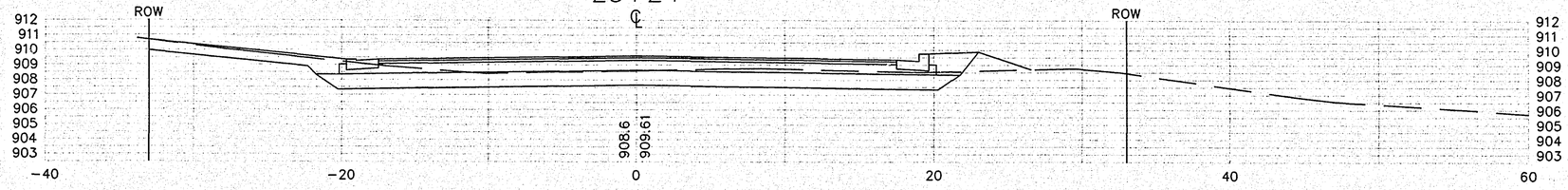

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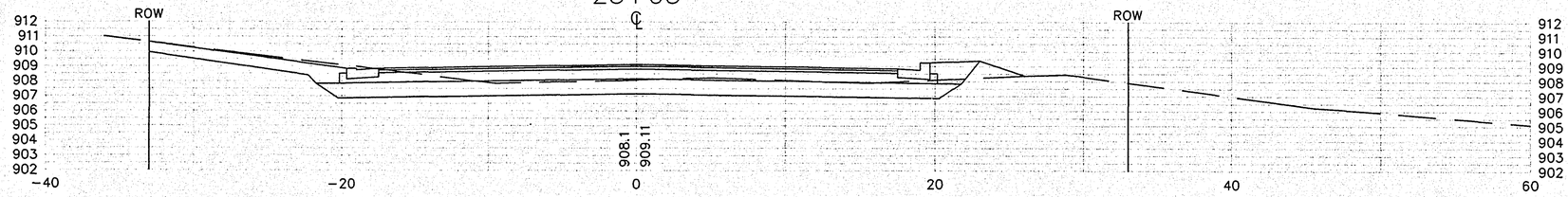

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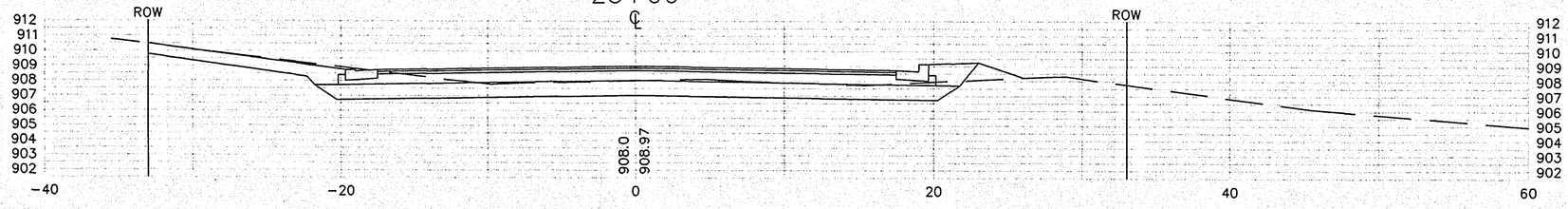

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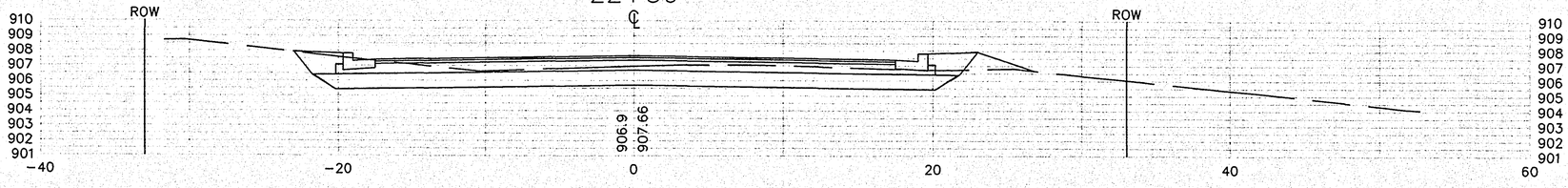

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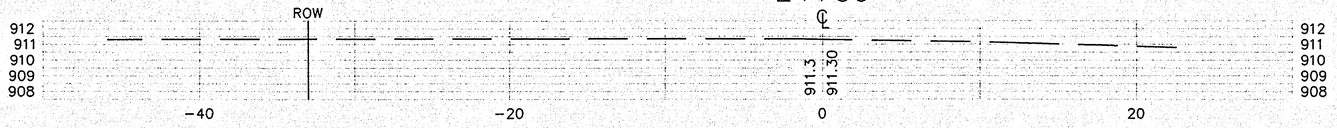

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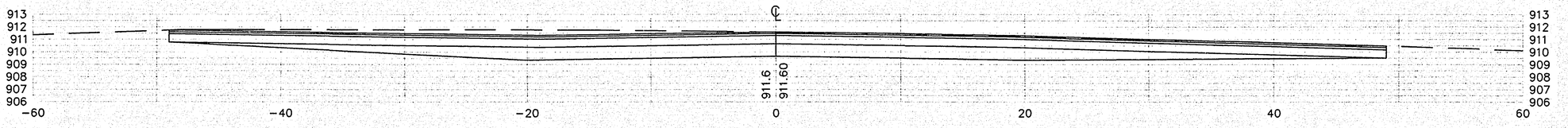

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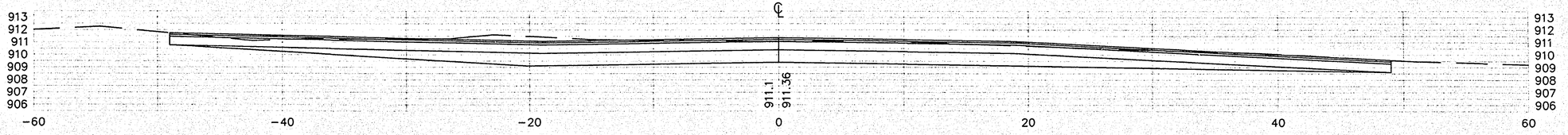

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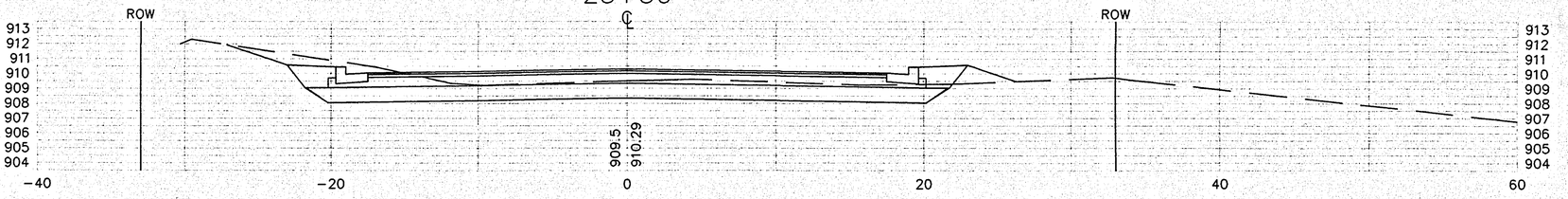

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