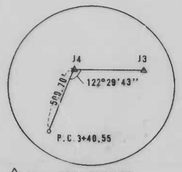
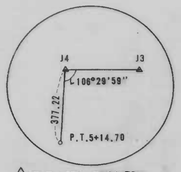
RATIO - 24

FILE REF.



1 P.C. STA. 3+40.55
TRACK NO. 1



1 P.T. STA. 5+14.70
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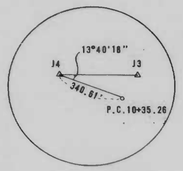

P.C. STA. 10+35.26
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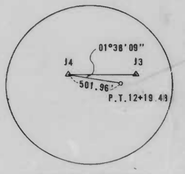
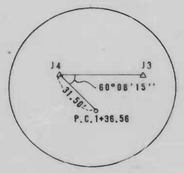
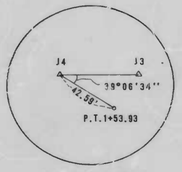


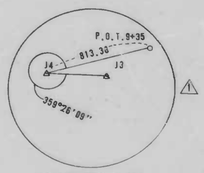
P.T. STA. 12+19.48
TRACK NO. 2



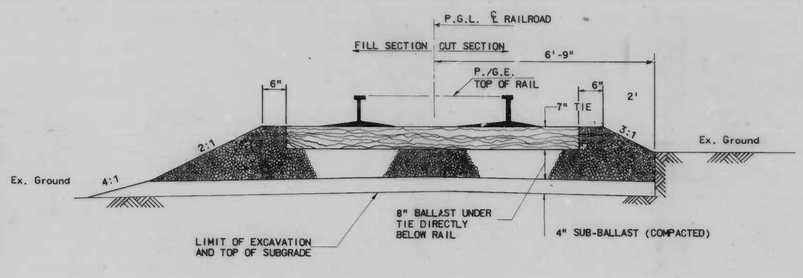
P.C. STA. 1+36.56
TRACK NO. 2



P.T. STA. 1+53.93
TRACK NO. 2



1 P.O.T. STA. 9+35
TRACK NO. 2



TYPICAL SECTION - RAILROAD SIDING

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	DATA FOR CURVE NO. 1 & MISCELLANEOUS	2-1-80	DGM

NOTE:
1. SEED AND MULCH ALL DISTURBED AREAS.

COORDINATE TABLE					
LOCATION	POINT	STATION	NORTH	EAST	
TRACK NO. 1	PT. SWITCH	2+56.46	-10,279.156	20,826.988	
	PI FROG	2+86.46	-10,277.361	20,856.915	
	P.C.	3+40.55	-10,267.586	20,909.334	1
	P.T.	5+14.70	-10,200.753	21,056.736	1
	P.C.	10+35.26	- 9,902.908	21,435.870	
	P.T.	12+19.48	- 9,830.205	21,603.586	
TRACK NO. 2	P.O.T.	0+00	- 9,868.094	21,042.165	
	P.C.	1+36.56	- 9,861.901	21,178.582	1
	P.T.	1+53.93	- 9,860.785	21,195.918	
	P.I. FROG	3+98.86	- 9,840.342	21,441.089	
	PT. SWITCH	4+28.98	- 9,837.848	21,470.993	
	P.I. FROG	6+88.37	- 9,816.282	21,725.545	
	PT. SWITCH	7+18.37	- 9,813.800	21,755.492	
	P.O.T.	9+35	- 9,795.882	21,974.288	
	J-3	-	- 9,824.080	21,450.629	
	J-4	-	- 9,835.211	21,161.858	

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	PROPOSAL QUANTITY
	PRELIMINARY ITEMS			
101	INITIAL EXPENSE	L.S.	LUMP SUM	LUMP SUM
	GRADING ITEMS			
201	CONTINGENT BORROW EXCAVATION	C.Y.	50	50
	PAVING ITEMS			
501	RAILROAD TRACK SECTION	L.F.	1,400	1,400
502	NO. 8 TURNOUT	EACH	2	2
503	REMOVE EXISTING TRACK	L.F.	1,600	1,600
504	CALCIUM CHLORIDE	TON	10	10
	ROADSIDE DEVELOPMENT ITEMS			
701	SEEDING AND MULCHING	S.Y.	1,800	1,800

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BALTIMORE, MARYLAND

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
BALTIMORE ECONOMIC DEVELOPMENT CORPARATION
CONTRACT NO. 2591

HOLABIRD INDUSTRIAL PARK

RAILROAD SPUR REHABILITATION
TYPICAL SECTION & DETAILS

SCALE: NONE DATE: SEPT. 1979
DESIGNED DGM DRAWN RAP, CHKD SHEET 2 OF 4

FILE REF.

RATIO - 24

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	DATA FOR CURVE NO. 1	2-1-80	DGM

E 20800 S 9600

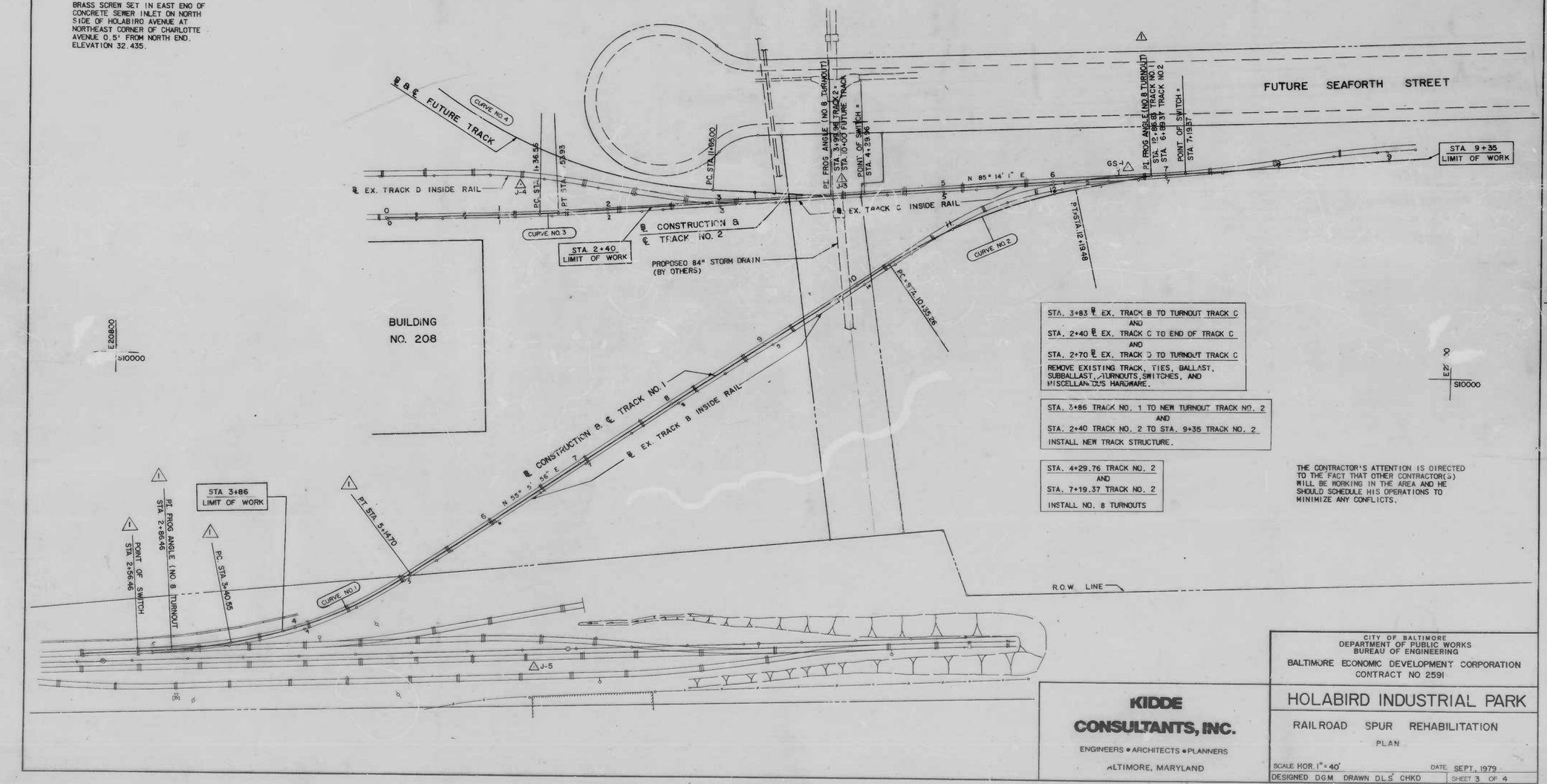
CURVE NO. 1	CURVE NO. 2	CURVE NO. 3	FUTURE CURVE NO. 4
Δ = 24°19'09"	Δ = 22°58'54"	Δ = 02°10'02"	Dc = 12°30'00"
Dc = 14°00'00"	Dc = 12°30'00"	Dc = 12°30'00"	R = 459.28'
R = 410.28'	R = 459.28'	R = 459.28'	
T = 88.40'	T = 93.37'	T = 8.69'	
L = 174.14'(CH:173.71)	L = 184.22'(CH:183.85)	L = 17.37'(CH:17.34)	
E = 9.416'	E = 9.394'	E = 0.0822'	

E 21400 S 9600

22000 S 9600

BENCH MARK

BRASS SCREW SET IN EAST END OF CONCRETE SEWER INLET ON NORTH SIDE OF HOLABIRD AVENUE AT NORTHEAST CORNER OF CHARLOTTE AVENUE 0.5' FROM NORTH END. ELEVATION 32.435.



STA. 3+83 ℄ EX. TRACK B TO TURNOUT TRACK C
AND
STA. 2+40 ℄ EX. TRACK C TO END OF TRACK C
AND
STA. 2+70 ℄ EX. TRACK D TO TURNOUT TRACK C
REMOVE EXISTING TRACK, TIES, BALLAST, SUBBALLAST, TURNOUTS, SWITCHES, AND MISCELLANEOUS HARDWARE.

STA. 3+86 TRACK NO. 1 TO NEW TURNOUT TRACK NO. 2
AND
STA. 2+40 TRACK NO. 2 TO STA. 9+35 TRACK NO. 2
INSTALL NEW TRACK STRUCTURE.

STA. 4+29.76 TRACK NO. 2
AND
STA. 7+19.37 TRACK NO. 2
INSTALL NO. 8 TURNOUTS

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT OTHER CONTRACTOR(S) WILL BE WORKING IN THE AREA AND HE SHOULD SCHEDULE HIS OPERATIONS TO MINIMIZE ANY CONFLICTS.

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CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
BALTIMORE ECONOMIC DEVELOPMENT CORPORATION
CONTRACT NO 2591

HOLABIRD INDUSTRIAL PARK

RAILROAD SPUR REHABILITATION

PLAN

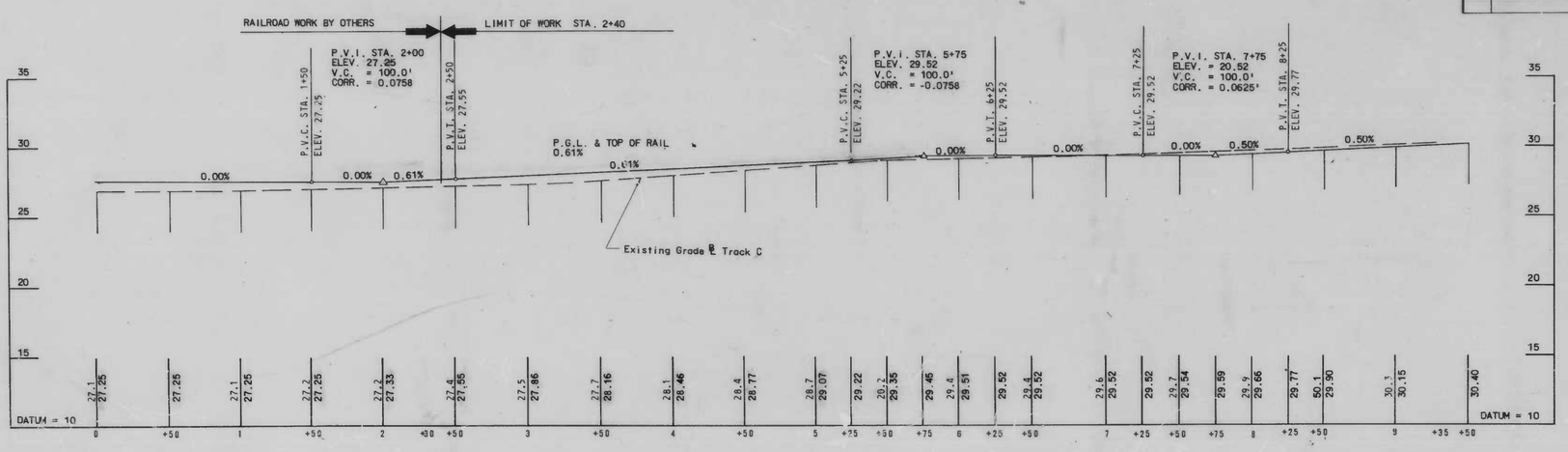
SCALE HOR. 1" = 40' DATE SEPT. 1979
DESIGNED DGM DRAWN DLS CHKD SHEET 3 OF 4

FILE REF.

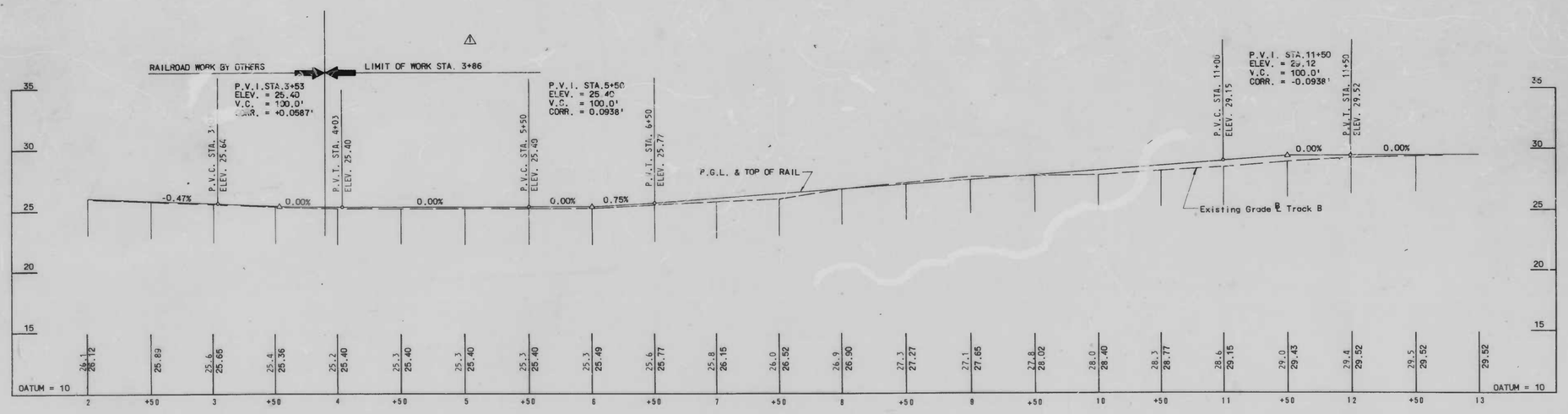
RATIO - 24

FILE REF.

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	DATA FOR CURVE NO.1	2-1-80	DGM



TRACK NO. 2



TRACK NO. 1

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CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
BALTIMORE ECONOMIC DEVELOPMENT CORPORATION
CONTRACT NO. 2591

HOLABIRD INDUSTRIAL PARK

RAILROAD SPUR REHABILITATION

PROFILE

SCALE HOR. 1"=40 VERT. 1"=4' DATE SEPT., 1979
DESIGNED D.G.M. DRAWN D.L.S. CHKD SHEET 4 OF 4

RATIO - 24

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION AND DETAILS
3	PLAN
4	PROFILE

CITY OF BALTIMORE

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

RAILROAD SPUR REHABILITATION IN

HOLABIRD INDUSTRIAL PARK

CONTRACT NO. 3

CITY OF BALTIMORE BUREAU OF ENGINEERING CONTRACT NO. 2591
AND
E.D.A. TITLE IX PROJECT E.D.A. PROJECT NO. 01-19-01486
FOR
THE BALTIMORE ECONOMIC DEVELOPMENT CORP.

LOCATION MAP
SCALE 1" = 2000'

FIELD SURVEY BOOKS	
NO.	DESCRIPTION
1981	E. TOPO HOLABIRD RAIL SPURS

INDEX TO LIMIT OF WORK

STA. 3+90 TO STA. 12+25 EXISTING TRACK B
STA. 2+40 TO STA. 9+35 EXISTING TRACK C

KIDDE CONSULTANTS, INC.
ENGINEERS · ARCHITECTS · PLANNERS
BALTIMORE, MARYLAND

STATE OF MARYLAND — ROBERT WILLIAM CZABAN — No. 2967 — REGISTERED PROFESSIONAL ENGINEER

ROBERT W. CZABAN P.E. 2967

CITY OF BALTIMORE
DEPARTMENT OF PUBLIC WORKS

APPROVED		APPROVED	
CHIEF, WATER DIVISION	9/7/79 DATE	CHIEF, HIGHWAY ENGINEERING DIVISION	9/13/79 DATE
CHIEF, WASTE WATER DIVISION	DATE	CHIEF, SURVEYS & RECORD DIVISION	9/6/79 DATE
HEAD, BUREAU OF ENGINEERING	9/12/79 DATE	DIRECTOR OF PUBLIC WORKS	9/13/79 DATE
SEDIMENT CONTROL REPRESENTATIVE	9/1979 DATE	GRADE EST.	9/6/79 DATE