INGOMAR ROAD

WILDWOOD ROAD

Sta 18+95

Sta 0+00

17+00

END OF CORE WALL Sta. 18+30

℄ CORE WALL

BABCOCK BLVD

℄ OF ROAD

℄ 60' RIGHT OF WAY LINE

℄ Test Holes

GATE HOUSE

MIRROR LAKE

END OF CORE WALL Sta. 27+77.43

℄ Core Wall

8" Dia. Class "B" C.I Pipe

℄ 12" ϕ Conc. Pipe El. ℄ Pipe = 968.84 For Road Drainage

℄ 12" ϕ Conc. Pipe El. ℄ Pipe = 966.79' For Road Drainage

℄ 12" ϕ Conc. Pipe El. ℄ Pipe = 965.49' For Road Drainage

64 Spaces @ 10'-2¾" = 654'-8"

22 Spaces @ 10'-2¾" = 225'-02"

42'-2"

SPACING OF FOOTERS FOR HAND RAIL POSTS 5'-1¼"

TOP OF CORE WALL EL. 967.00 ±

EL. 947.6 EL. 945.0 EL. 943.0

Preliminary El. 930.7 Final El. shall be determined in field.

SOLID GRAY SHALE

SPACING OF CONSTRUCTION JOINTS

80 Spaces @ 30'-8¼" = 2613'-9"

7 Spaces @ 30'-8¼" = 214'-9¾"

For Detail of this Section of Core Wall see Dwg "15516"

PLAN

SCALE 1" = 40'

NOTE:- ELEVATIONS FOR BOTTOM OF CORE WALL ARE PRELIMINARY. FINAL ELEVATIONS SHALL BE DETERMINED IN FIELD.

VERTICAL JOINTS SHALL BE LOCATED AS SHOWN LOCATION OF HORIZONTAL JOINTS SHALL BE DETERMINED IN FIELD AND APPROVED BY THE DIRECTOR.

ELEVATION OF CORE WALL

SCALE 1" = 40'

Ⓐ

FINAL SECTION ELEVATIONS			
	ELEVATION		ELEVATION
1	946.44	11	931.43
2	946.02	12	929.78
3	944.94	13	930.08
4	943.00	14	928.66
5	942.03	15	930.86
6	930.80	16	930.05
7	930.86	23	930.53
8	929.97	24	929.76
9	931.81	25	930.32
10	930.18	26	930.07
11	930.42	27	930.22
12	929.92	28	929.58
13	929.51	29	929.20
14	930.19	30	928.76
15	931.07	31	929.60
16	930.31	32	929.60

GENERAL NOTES:

All work under this contract shall be done in accordance with the "Standard Contract for Construction of Bridge Masonry Floors and Approaches" dated March 1, 1935; the "Supplemental Instructions to Bidders and Supplemental Specifications" dated July 20, 1935; the "Rules and Regulations of the Federal Gov." as of July 20, 1935 and "Instructions to Bidders and Articles of Agreement" dated March 1, 1935

Compensation for all Materials, Labor and Supervision not specifically included in various Items, shall be included in the price bid under Items 1B to 4B inclusive as for Example grubbing and grouting etc.

Concrete for Item 1B shall be class "B" concrete (1:2:3 Mix)

Engineering and Inspection facilities shall be provided by the Contractor in accordance with the "Standard Specifications for Construction of Bridge Masonry Floors and Approaches" dated March 1, 1935 paragraph 4a, 4b, 4c.

Contractor shall provide the necessary forms for compression and beam tests

Contractor shall submit detail plans of the reinforcing steel for approval by the Director.

All local calls and calls to Pittsburgh shall be paid by the Contractor

Inspection by Pittsburgh Testing Laboratory.

Elevation for Foundations shown on Contract plans are approximate. The Director at his discretion, may order the Contractor to set the foundations at a lower or higher elevation if the ground conditions warrants it.

Deformed bars shall be used for all Reinforcing steel. Weights as per C.R.S.I. 1934.

ESTIMATED QUANTITIES.

ITEM	DESCRIPTION	UNIT	QUANTITY
1B	CONCRETE IN WALL INCLUDING EXCAVATING	Cu Yds	4200.
2B	REINFORCING STEEL INCLUDING DOWELS, ANCHOR BOLTS & U-Bolts	Lbs	168000.
3B	PREMOULDED BITUMINOUS EXP JOINT FILLER	Sq Yds	1350
4B	TAR WATERPROOFING	Sq Yds	8800
5B	MEMBRANE WATERPROOFING	Sq Yds	10
6B	ASPHALTIC PLANK	Sq Yds	10

SECTION A-A

SCALE ¾" = 1'-0"

Tar Waterproofing Top & Sides of Core Wall Item 4B

BATTER ½" IN 12

BATTER ½" IN 12

37'-0"

HORIZONTAL CONSTRUCTION JOINTS STAGGERRED IN ELEVATION

PRESENT GROUND LINE

¾" DIA. BARS @ 6" CTRS.

¾" DIA. BARS @ 1'-6" CTRS.

SOLID GRAY SHALE

EL. 930.0

Preliminary El. 930.0 Final El. shall be Determined in Field

SURFACE TO BE GROUBBED CLEAN & ALL HOLES AND CREVICES TO BE FILLED WITH GROUT BY AIR GUN

4'-7"

To be Paid for under Items 1B to 4B inc.

DETAIL OF INLET PIPE FOR MIRROR POOL

Scale 1¼" = 1'

Structural Steel support to be paid for under item 6-B Dwg 15519

El. 944.50

6 @ W.F. 57

L 6x4x⅝

⅝" U Bolt

14'-0"

2'-0"

El. 942.25

8" ϕ C.I. Ell.

Lead Joints

Concrete Saddle

El. 935.75 ±

2'-0"

2'-0"

SECTION "C-C"

SCALE ½" = 1'-0"

For Wing Wall see Dwg 15507

½" Premoulded Expansion Joint Filler Item 3B.

℄ CORE WALL

Sta. 27+77.43

4"

For Detail of Culvert see Dwg. No. 15520.

Note Ⓐ Seal against water leaks. Material to be approved by the director

To be Paid for under Items 1B to 23 Inc. Dwg. # 15519

SECTION "H-H"

SCALE ¼" = 1'-0"

1'-6" 1'-0"

1" U-Bolts, Item 6B Dwg. No. 15519

L 3x3x⅜ spaced abt 4'-0 c.c. Item 6B Dwg. No. 15519

Concrete outside of Culvert to be Paid for under Item 4B Dwg. # 15519

SECTION PP

Scale ¼" = 1'

For Manhole cover & Frame See Dwg 15516

Preliminary

Final El. to be determined in Field to suit new ground El.

For Detail of ℄ & Frame See Sect B-B Dwg 15516

Item 6B dwg #15519

Tar Waterproofing

Operating Stem and Stand to be paid for under Item 9B Dwg # 15519

El. 947.00

El. 943.95

10'-0"

3'-0"

2'-9"

1'-6"

Lake Side of Wall

SECTION "BB"

SCALE ½" = 1'-0"

SHOWING DETAIL OF ~~HORIZONTAL~~ & ~~VERTICAL~~ JOINTS IN CORE WALL

Copper Water Stop

½" Premoulded Expansion Joint Filler Item 3B

For general plan of Gate House see Dwg. No. 15519

℄ GATE HOUSE

For Detail of Core Wall See Dwg. No. 15516

℄ BABCOCK BLVD.

61'-0"

29'-0"

98'-11"

127'-11"

10'-0"

5'-0"

11'-0"

8" Dia. Class B C.I. Pipe Item 10B Dwg. No. 15519)

Manhole

For Detail of Cover see Dwg 15516

Woven Wire Fish Guard. To be approved by the Director

Top of 8" Pipe Elev. = 944.0

4'-0"

El. 942.25

Note "A"

F

El. 937.75

4'-0"

El. 938.50

-0.3%

H

SECTION D-D

Scale:- ⅜" = 1'-0"

L 3x3x⅜ abt 4'-0 c.c. See sec. HH

See Note Ⓑ

1'-3"

11'-9½"

6'-9"

1'-3"

1'-6"

8'-0"

10'-0"

½" ϕ Bars @ 6" Ctrs. Item 5B Dwg. No. 15519

Note Ⓑ Hand Operated Stop Valve Item 9B Dwg. No. 15519)

SECTION F-F

Scale:- ⅜" = 1'-0"

Ⓐ

DETAILS OF 8" DIA. SUPPLY LINE FOR MIRROR LAKE

Items not specifically defined or detailed will be approved by the director.

SUBMITTED JUNE 6, 1935

BRIDGE DESIGN ENGINEER

APPROVED

DEPARTMENT OF PLANNING

Park H. Martin — PLANNING ENGINEER — June 6 1935 DATE

COUNTY PLANNING COMMISSION

CHAIRMAN DATE

DEPARTMENT OF PARKS AND AVIATION

DIRECTOR 7-9-35 DATE

DEPARTMENT OF HIGHWAYS BRIDGES & TUNNELS

Thos. D. Easley — DIRECTOR — July 17, 1935 DATE

COUNTY COMMISSIONERS

DATE

W. D. Mansfield July 14/35 DATE

Chas. Fair July 17/35 DATE

COUNTY OF ALLEGHENY PITTSBURGH, PA.

BABCOCK BOULEVARD CORE WALL NORTH PARK DAM

NORTH PARK, McCANDLESS TOWNSHIP

GENERAL PLAN & ESTIMATED QUANTITIES

SCALES AS SHOWN JUNE 6, 1935

SHEET 1 OF 2 SHEETS

IN CHARGE	A.E. Olson	DRAWN	W.A. Donovan 6/6/35	CHECKED	W.F. Thomas 9-27-35

REVISIONS

NO.	ORDERED	MADE	DATE	CHECKED	REMARKS
Ⓐ	S.A. Shubin	A.E. Hills	8/13/35		Change made by addition of 8" Supply Line
	S.A.S.	C.L.M.	9-16-35		Notations in red show corrections as built

15516

TC-8 SHEET 45 OF 70 1600