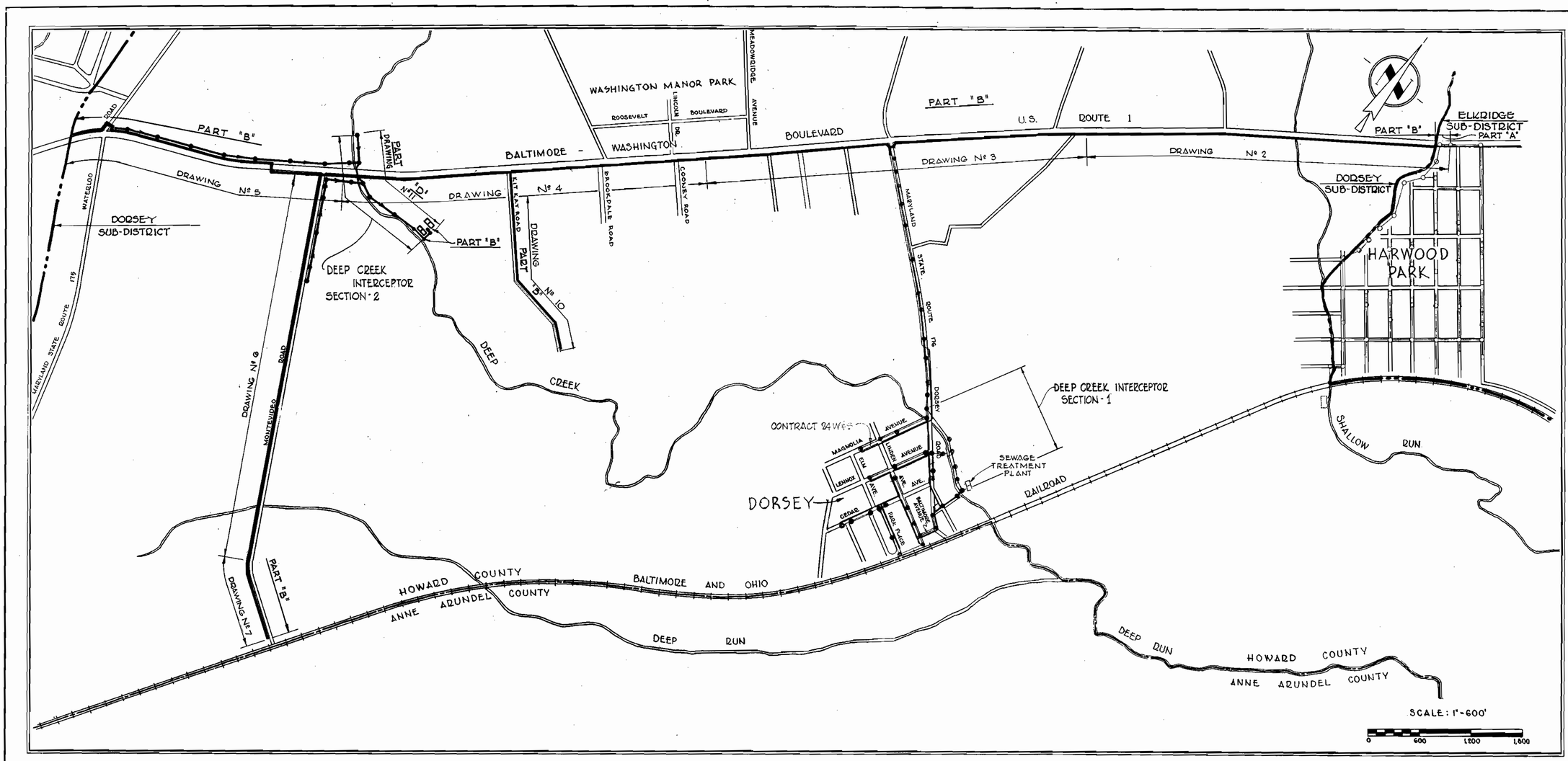


CONTRACT 36 W&S

WATER AND SEWER MAIN EXTENSIONS

HOWARD COUNTY METROPOLITAN COMMISSION

DORSEY SUB-DISTRICT

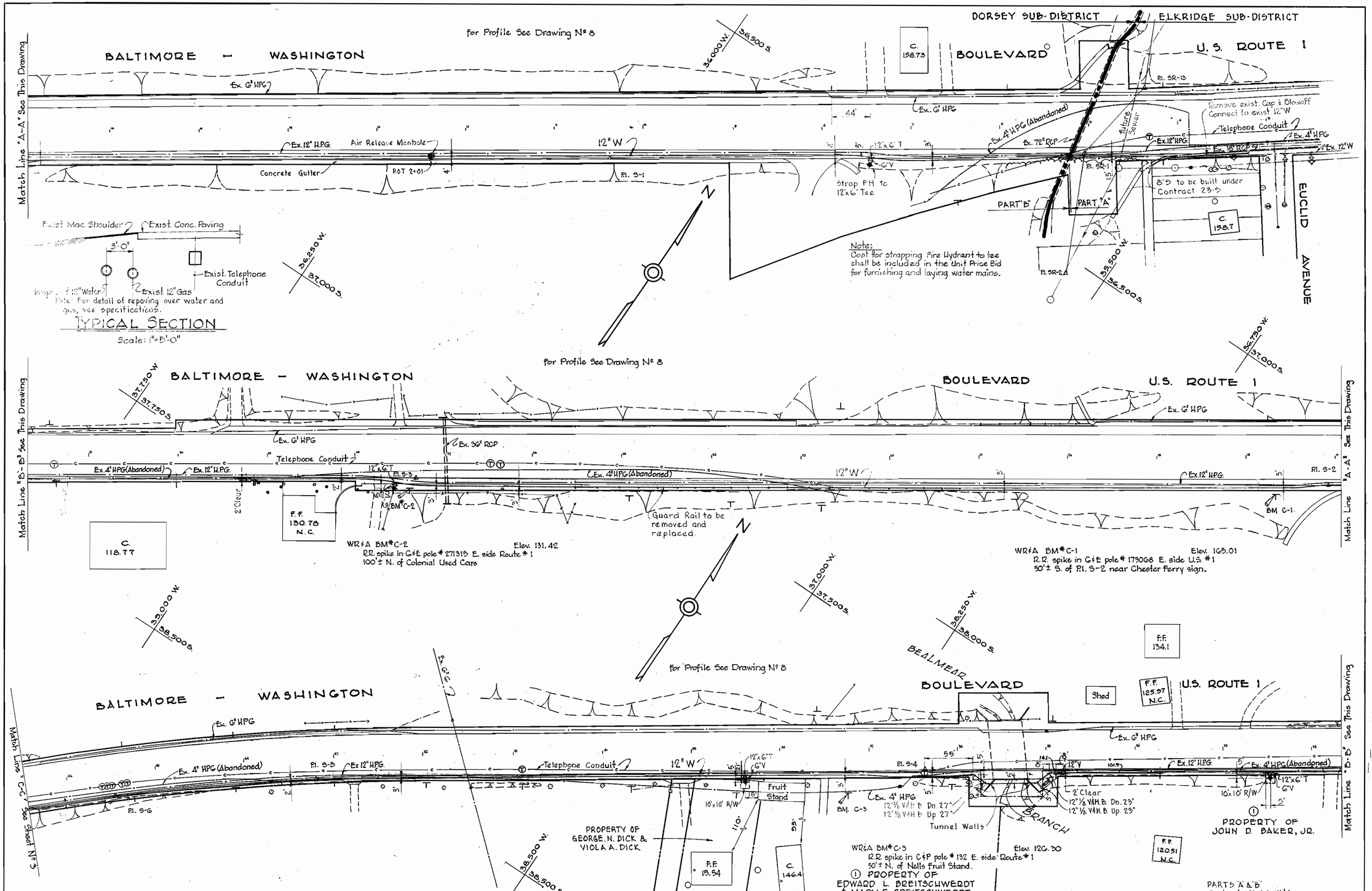
Contract Nº 36-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Oct. 25, 1961 (DATE) Carl M. Freeman (CHIEF ENGINEER)	CONTRACT NO. 36-W&S	LOCATION MAP	DORSEY SUB-DISTRICT	DRAWING NO. 1 OF 14	SCALE AS SHOWN

W. O. 4918-2

AS BUILT Feb. 24, 1966

WS 36 W-S 1



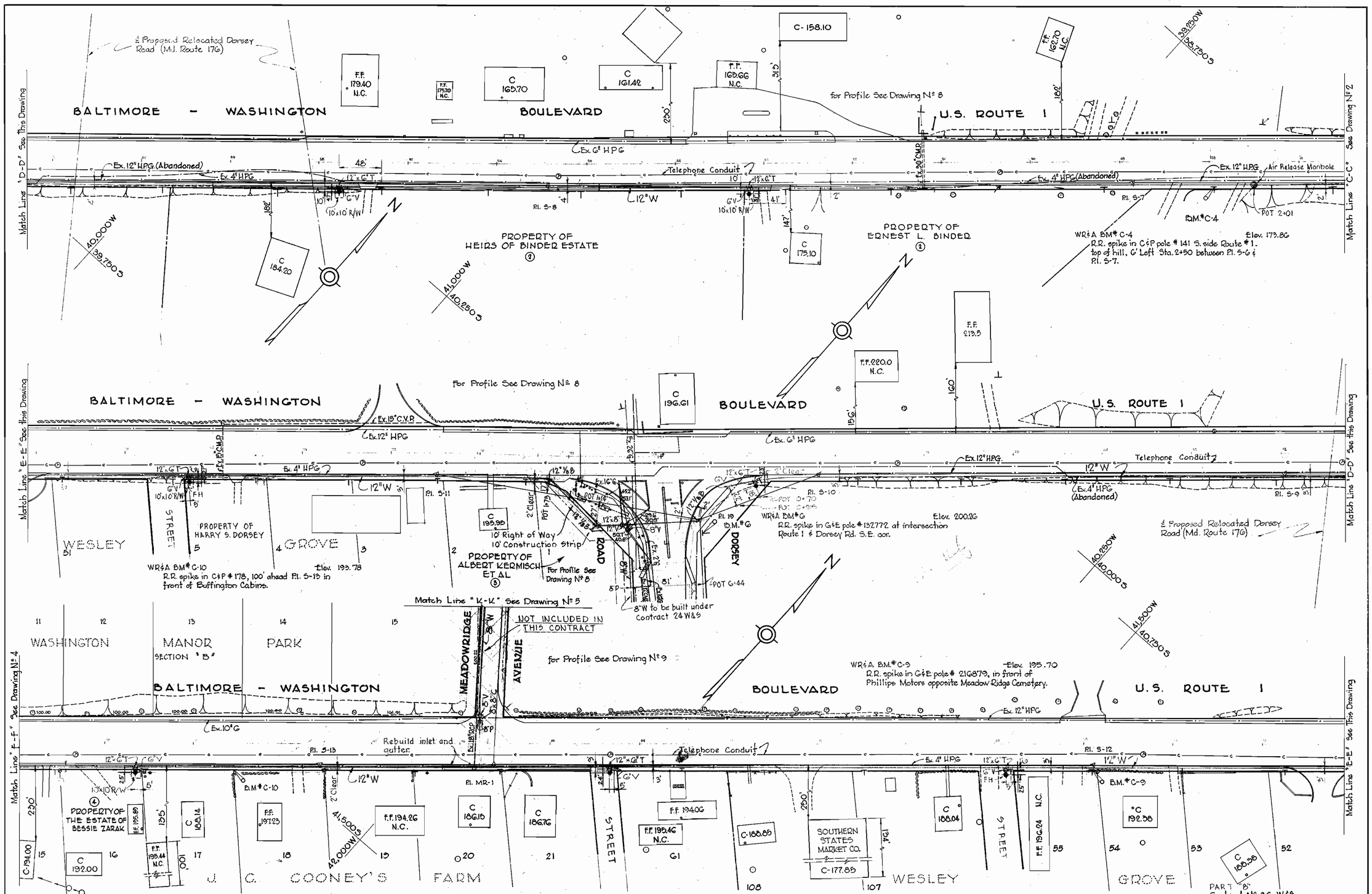
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 15, 1961 DATE — CHIEF ENGINEER	CONTRACT NO. 36-W&S	PLAN OF WATER MAINS	DORSEY SUB-DISTRICT	DRAWING NO. 2 OF 14	SCALE 1"= 50'

W. O. 4918-2

AS BUILT Feb. 24, 1966

F.B. 2552, 2558

WS 36 W-S/2



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 24, 1961 (DATE) — Carl W. Meyer (CHIEF ENGINEER)	CONTRACT NO. 36-W&S	PLAN OF WATER MAINS	DORSEY SUB-DISTRICT	DRAWING NO. 3 OF 14	SCALE 1" = 50'

W. O. 4918-2

AS BUILT Feb. 24, 1966

39 SW 27
40 SW 27
41 SW 27, 28
42 SW 28, 29
F.B. 2564

WS 36 W-S/3

WS 36 W-S 1/4

Match Line "L-L" See Drawing No 5

BALTIMORE - WASHINGTON BOULEVARD

WASHINGTON MANOR PARK

LINCOLN DRIVE

U. S. ROUTE 1

For Profile See Drawing No 9

Match Line "G-G" See This Drawing

Match Line "F-F" See Drawing No 3

F.F. 121.26 N.C.

F.F. 211.36

F.F. 207.56

F.F. 212.93 N.C.

F.F. 209.67

F.F. 213.0 N.C.

F.F. 210.1 N.C.

C. 138.58

C. 213.00

C. 204.43

Blacktop

BROOKDALE ROAD

Telephone Conduit

Ex. 4" HPG

Ex. 10" G

12"W

12"x6"T

W.R.&A. BM# C-12
R.R. spike in C&E pole # 245498 along Route 1
100' S. of inter. Brookdale Drive.
Elev. 206.82

W.R.&A. BM# C-11
R.R. spike in C&E pole # 271858 in front of Pool's Evergreen Bar & Motor Court.
Elev. 203.25

PROPERTY OF NORRIS E & KATHERINE M. POOL (5)

COONEY'S FARM

FARMERS MARKET

F.F. 204.10

Fl. MR-5

Fl. 9-13

Fl. 9-15

Fl. 9-17

Match Line "H-H" See This Drawing

Match Line "I-I" See Drawing No 5

Ex. 15" CMP

Ex. 12" CMP

Ex. 24" CMP

Ex. 42" CMP

Ex. 48" CMP

Ex. 36" CMP

Ex. 30" CMP

Ex. 18" CMP

Ex. 12" CMP

Ex. 10"x15" R/W

Ex. 10"x10" R/W

10"x10" R/W

Ex. 8" W

Ex. 6" V

Ex. 12"x6"T

Ex. 4" HPG

Telephone Conduit

F.F. 212.12 N.C.

C. 202.13

C. 210.72

C. 203.09

F.F. 201.8 N.C.

F.F. 203.5 N.C.

C. 194.35

C. 217.7

C. 182.73

C. 202.96

Elev. 204.41
RR spike in C&P pole # 202 at inter. Route #1 & Kit Kat Rd. opposite Farmers Market.

PROPERTY OF JOHN R. & MARY E. CALTON (6)

PROPERTY OF THE REGAL CORPORATION

PROPERTY OF AMANDA SCHULTZ (3)

Match Line "X-X" See Drawing No 10

Cabins

KIT KAT ROAD

C.W.

PROFILE SCHEDULE

Deep Creek Intercepter	Drawing No 11
Baltimore Washington Blvd	Drawing No 9

PROPERTY OF ALAMO TRAILER SALES, INC. (9)

Encase in Concrete. MH 1027 to MH 1029

Right of Way

1029

1027

1026

1037

8" Drop Conn. Type "B"

Drop Conn. Type "B"

POT 5+59

POT 5+04

DEEP CREEK

For continuation of 12"S, see Drawing No 11

PROPERTY OF JOSEPH & GRACE GIAMPAOLI (8)

for Profile See Drawing No 9

BALTIMORE - WASHINGTON BOULEVARD

U.S. ROUTE 1

Right of Way
10' Construction Strip

Encase in Concrete MH 1026 to Sta. 0+70

B.M.# C-15
□ cut on East end headwall of culvert over stream South side Route #1, 200'± East of Shields Trailer Sales.
Elev. 184.61

B.M.# C-14
R.R. spike in C&P pole # 210 along Route 1 in front of Stricklands Motor Lodge.
Elev. 194.58

PROPERTY OF LLOYD C. STRICKLAND & HAZEL STRICKLAND (7)(13)

PART "B"
Contract No 36-W&S

WHITMAN, REQUARDT & ASSOCIATES
ENGINEERS
1304 ST. PAUL ST.
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION
March 24, 1961 — DATE
CHIEF ENGINEER

CONTRACT NO. 36-W&S

PLAN OF WATER & SEWER MAINS

DORSEY SUB-DISTRICT

DRAWING NO. 4 OF 14

SCALE 1" = 50'

42 SW 29
43 SW 28,30
44 SW 30
45 SW 31
F.D. 1961

W.O. 4918-2

AS BUILT Feb. 24, 1966

K. ELLIOTT CO., PITTSBURGH REORDER A-23484-1

PROPERTY OF CHARLES B., GRACE M. PLATZER & CHARLES A. PLATZER
for Profile See Drawing No 9

BALTIMORE - WASHINGTON BOULEVARD

PROPERTY OF MARGARET M. LANKFORD
Note: Strap 8"V to 12"x12"T See Std Detail W-6A

PROPERTY OF ALAMO TRAILER SALES, INC.

U. S. ROUTE 1

Match Line "J-J" See this Drawing

Match Line "I-I" See Drawing No 4

WR&A BM #C-16 Elev. 205.60
R.R. spike in C&P pole #226 along Route #1 at entrance to Greenway Motel.

PROPERTY OF DEPARTMENT OF CORRECTION OF MARYLAND

Limit of Lump Sum Item No B-19

Future Paving

Septic Tanks to be emptied and backfilled with sand. Cost shall be included in unit price bid for excavation and backfill of Water Mains.

WR&A BM #C-18 Elev. 232.20
RR spike in G&E. pole #204503 at intersection of Route #1 and Route #175, NW corner.

PROPERTY OF ANDREW DUNN & ESTHER DUNN

PROPERTY OF MARGARET M. LANKFORD

PROPERTY OF CHARLES B PLATZER, GRACE M PLATZER & CHARLES A. PLATZER
for Profile See Drawing No 9

Motel F.F. 204.04

BALTIMORE - WASHINGTON BOULEVARD

U.S. ROUTE 1

Match Line "J-J" See this Drawing

WR&A BM #C-17 Elev. 228.87
□ cut on NE. cor. 'Weigh Scales' in front of Waterloo State Police Barracks.

WR&A BM #C-18

WATERLOO ROAD - STATE ROUTE 175

Match Line "V-V" See This Drawing

WR&A BM #MR-1 Elev. 191.75
R.R. spike in G&E pole #212757 on W. side Roosevelt Blvd. 300' S. inter. Meadow Ridge Rd & Roosevelt Blvd.

ROOSEVELT BOULEVARD

NOT INCLUDED IN THIS CONTRACT

for Profile See Drawing No 14

WASHINGTON MANOR SECTION "B" PARK

DORSEY SUB-DISTRICT

BALTIMORE WASHINGTON BLVD. US ROUTE 1

LINCOLN DRIVE

MEADOWRIDGE AVENUE

Match Line "L-L" See Drawing No 4

Match Line "K-K" See Drawing No 3 PART "B"

Contract No 36-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 24, 1961 DATE — Carl W. Mayer CHIEF ENGINEER	CONTRACT NO. 36-W&S	PLAN OF WATER & SEWER MAINS	DORSEY SUB-DISTRICT	DRAWING NO. 5 OF 14	SCALE 1" = 50'

W. O. 4918-2

AS BUILT Feb. 24, 1966

FD. 2563, 2561, 2559, 2555

WS 36 W-S/5

MONTEVIDEO ROAD

for Profile See Drawing Nº 7

WR&A BM# M-1 Elev. 210.20
R.R. spike in G&E pole # 210749 opposite W. I. Baldwin property house # 340 A.

Match Line 'M-M' See Drawing Nº 5

Match Line 'N-N' See This Drawing

Match Line 'N-N' See This Drawing

Match Line 'O-O' See This Drawing

WR&A BM# M-2
R.R. spike in C&P pole # 10 N. side Rd. 125'± ahead of Pl. M-4.
Elev. 166.60

WR&A BM# M-3
R.R. spike in C&P # 14 South side of Montevideo Rd. 80'± ahead of Pl. M-6, front of white shingle house. # 348.
Elev. 162.49

WR&A BM# M-4
R.R. spike in root of 40" Oak N. side Rd. at gravel Rd. leading to E.H. NUNN Const. Co.
Elev. 182.31

Match Line 'O-O' See This Drawing

Match Line 'P-P' See Drawing Nº 7

Under Const.

Δ	10-25-63	Drop House Connections Removed

PART "B"
Contract Nº 36-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 24, 1961 (DATE) Carl W. Mayer (CHIEF ENGINEER)	CONTRACT NO. 36-W&S	PLAN OF WATER & SEWER MAINS	DORSEY SUB-DISTRICT	DRAWING NO. 6 OF 14	SCALE 1"=50'

W. O. 4918-2

AS BUILT Feb. 24, 1966

FB 2563

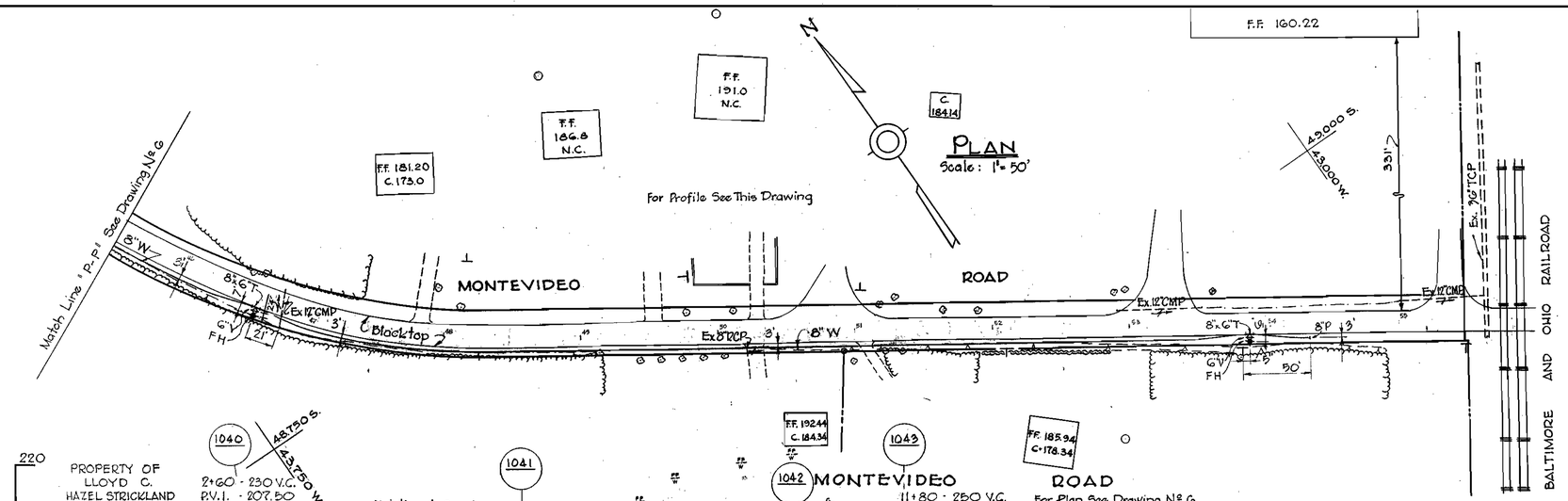
WS 36 W-S/6

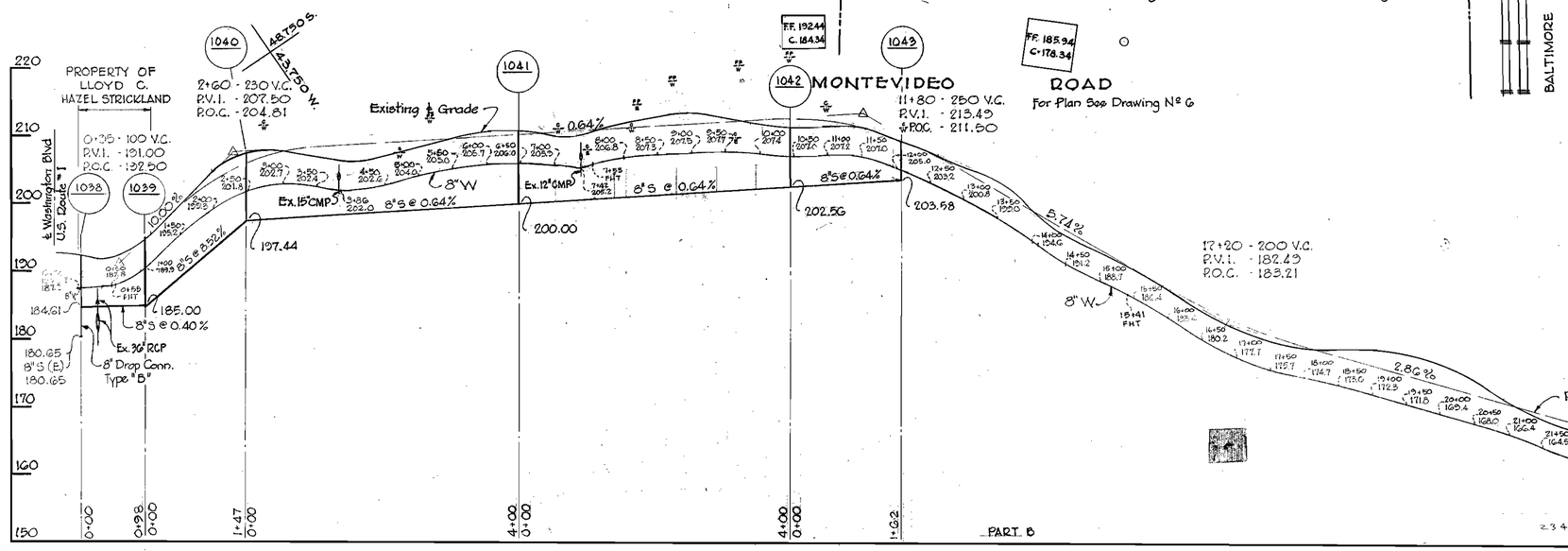
K. ELLIOTT CO., PITTSBURGH REORDER A-39070

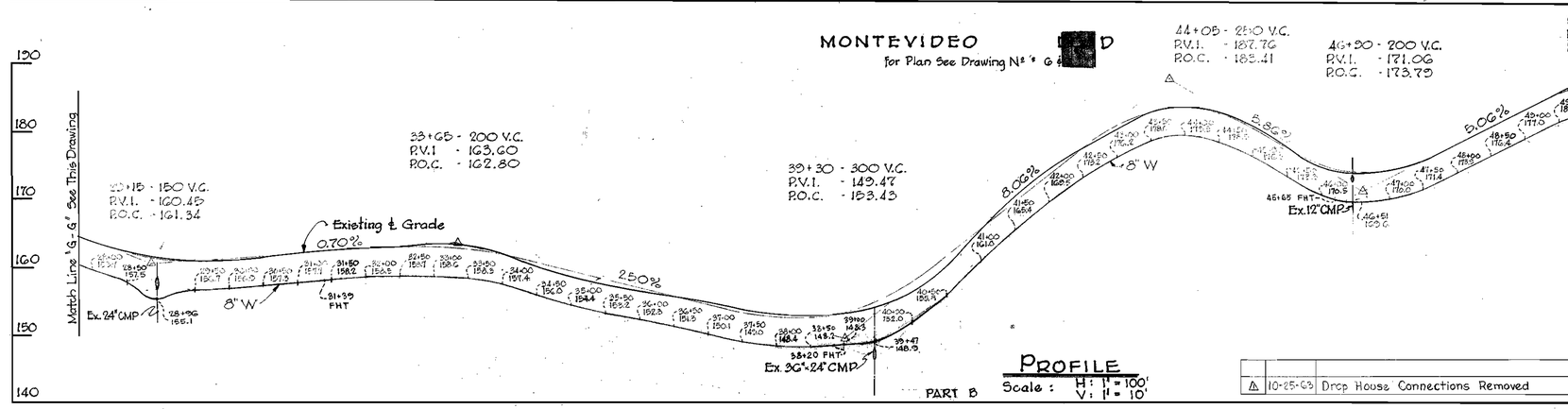
General Notes

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect the existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. The location of all valves, fittings etc. have been located in plan and dimensions shall be strictly adhered to unless otherwise directed by the Engineer in writing.
5. Bury Line elevation on Fire Hydrants shall be set the same as edge of paving or as directed by the Engineer in the field.
6. For all standard details see Standards bound in Specifications.
7. Block all fittings with concrete. See Standard Details.
8. All 6" & 8" W to be Class 22 CIP, All 12" W to be Class 23, Water Mains to have a minimum of 3½' cover unless otherwise noted.
9. Before digging pipe, pushing or doing other work near Telephone Cables call collect any time Lexington 9-9900 Ext. 553, 554 or 555, Baltimore, Maryland.
10. Clear all poles by 2'-0" minimum.
11. Cost for removing and replacing of guard rails shall be included in the unit price bid for excavation and backfill for water mains.
12. All sewers shall be V.C.P.X., C.S.P.X. or Asbestos Cement Class 2400 unless otherwise noted.

PLAN
Scale : 1" = 50'







△	10-25-65	Drop House Connections Removed

PART "B"
Contract No 36-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 24, 1961 DATE — Carl W. Meyers CHIEF ENGINEER	CONTRACT NO. 36-W&S	PLAN AND PROFILES OF WATER & SEWER MAINS	DORSEY SUB – DISTRICT	DRAWING NO. 7 OF 14	SCALE AS SHOWN

W. O. 4918-2

AS BUILT Feb. 24, 1966

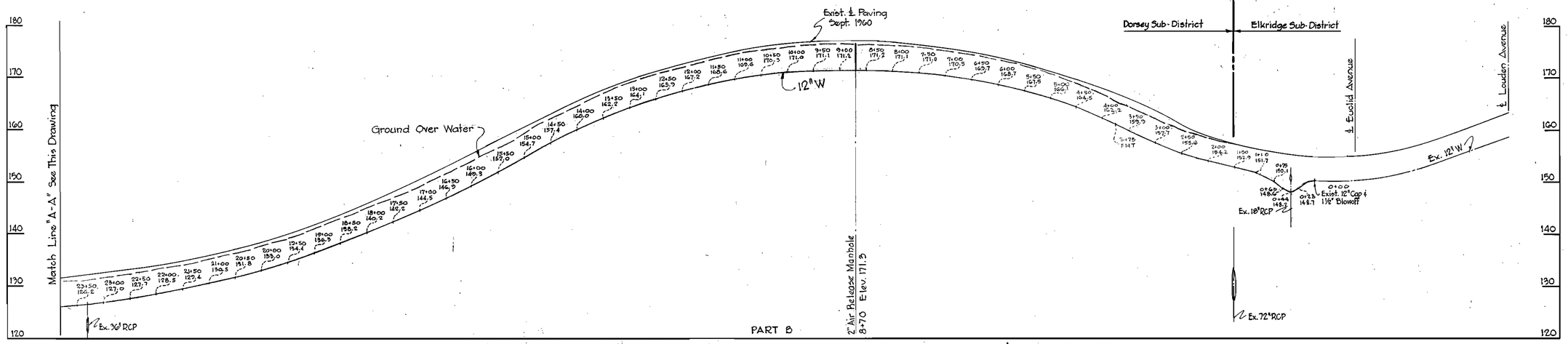
F.B. 2503

WS 36 WS/7

K. ELLIOTT CO., PITTSBURGH REORDER A-28070

BALTIMORE – WASHINGTON BOULEVARD U. S. ROUTE 1

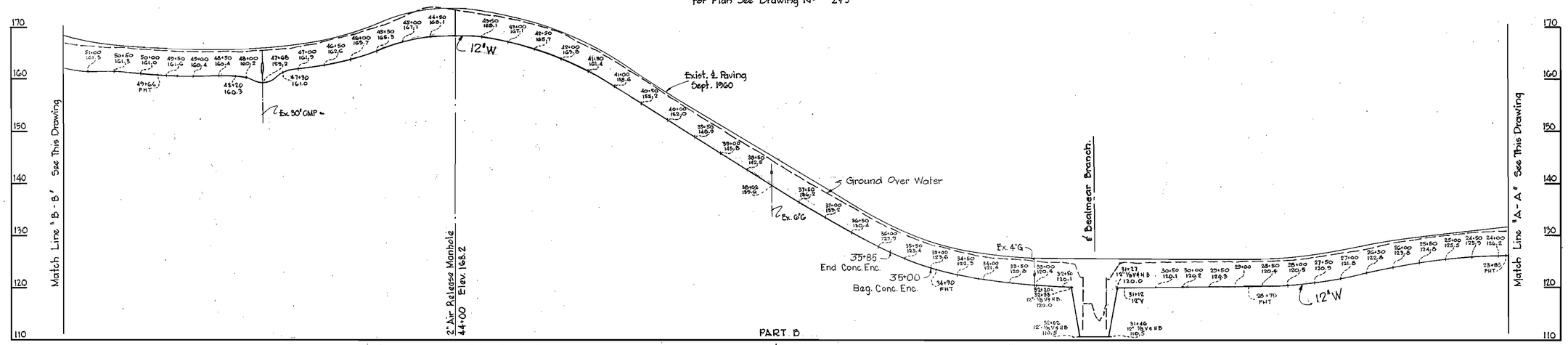
For Plan See Drawing N° 2



PART B

BALTIMORE – WASHINGTON BOULEVARD U. S. ROUTE 1

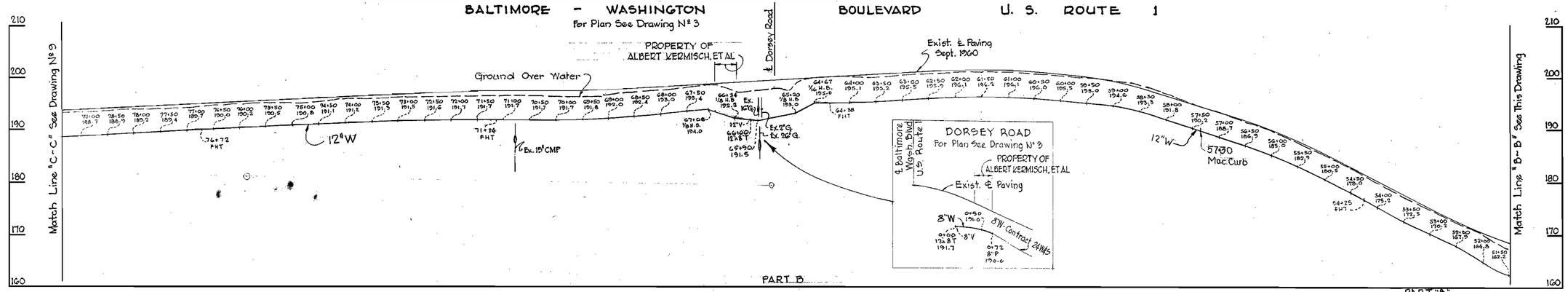
For Plan See Drawing N° s 2 & 3



PART B

BALTIMORE – WASHINGTON BOULEVARD U. S. ROUTE 1

For Plan See Drawing N° 3



PART B

PART "B" Contract N° 36-W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 15, 1961 DATE — Paul W. Meyer CHIEF ENGINEER	CONTRACT NO. 36-W&S	PROFILES OF WATER MAINS	DORSEY SUB – DISTRICT	DRAWING NO. 8 OF 14	SCALE H: 1"=100' V: 1"= 10'

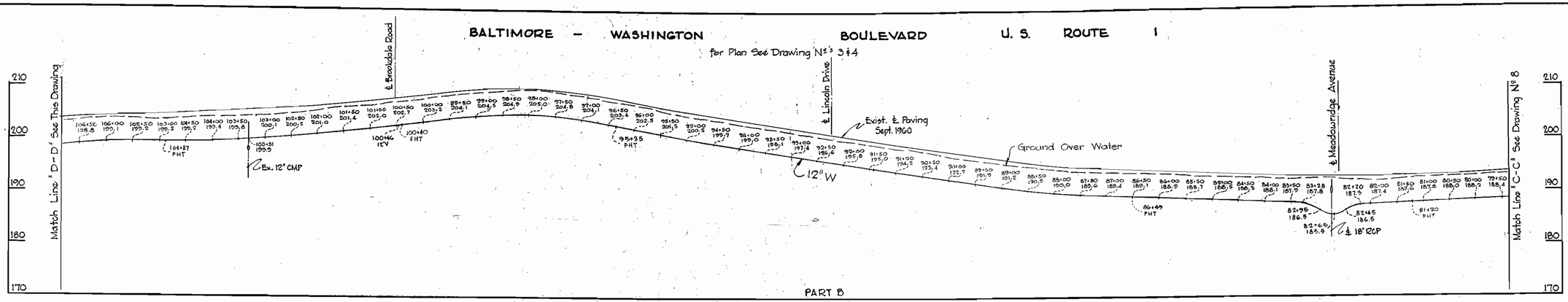
W. O. 4918-2

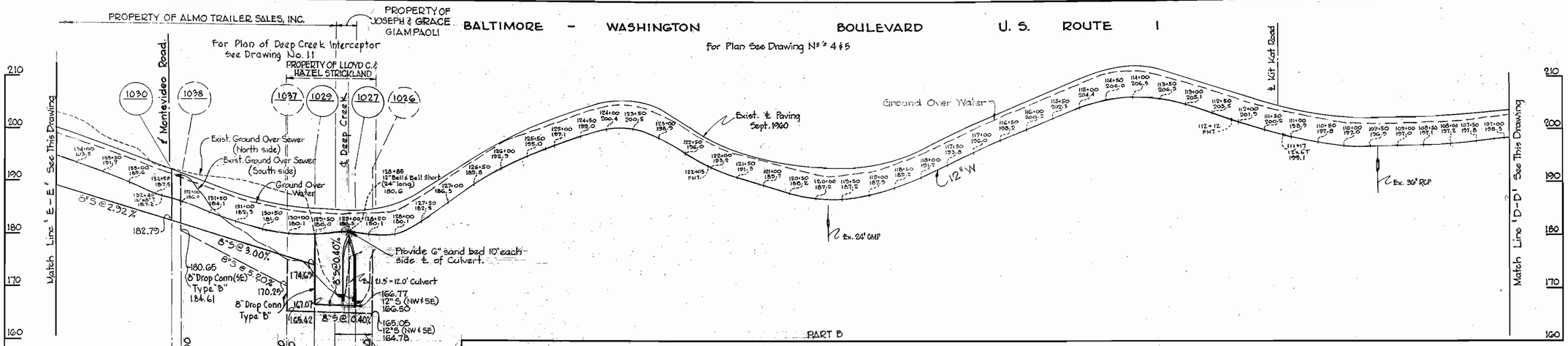
AS BUILT Feb. 24, 1966

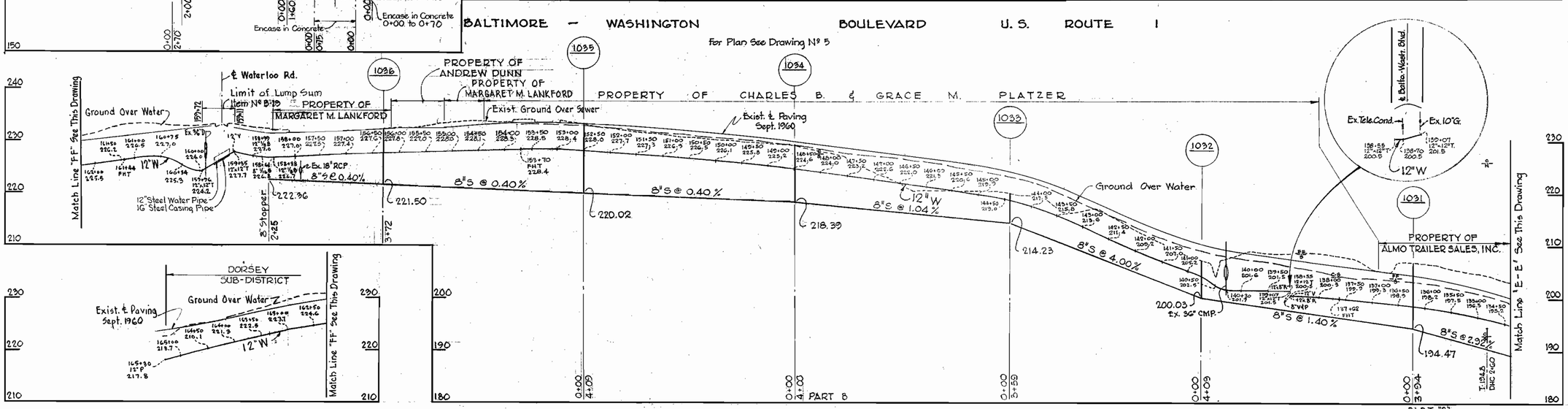
WS 36 W-S / 8

K. ELLIOTT CO., PITTSBURGH REORDER A-39070

BALTIMORE – WASHINGTON BOULEVARD U. S. ROUTE 1







WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION March 24, 1961 DATE — Carl W. Mayer CHIEF ENGINEER	CONTRACT NO. 36-W&S	PROFILES OF WATER & SEWER MAINS	DORSEY SUB – DISTRICT	DRAWING NO. 9 OF 14	SCALE H: 1"=100' V: 1"= 10'

W. O. 4918-2

AS BUILT Feb. 24, 1966

WS 36W-S/9

K. E. & E. CO., PITTSBURGH REORDER A-39070

W.R.&A. BM.* C-13 Elev. 204.41
R.R. spike in C&P Pole* 202 at inter. Route 1
& Kit Kat Rd. opposite New Farmers Market.

W.R.&A. BM.* 1 Elev. 202.36
R.R. spike in base of Pole*3, 15'± left
of Sta. 3+09, between P.I. 1 & 2.

W.R.&A. BM.* 2 Elev. 192.49
R.R. spike in base of Pole* C&P* 10, 24' left
of P.I. * 4.

Match Line "X-X" See Drawing N° 4

Match Line "Y-Y" See This Drawing

KIT KAT ROAD

F.F. 203.20 N.C.

C 200.03

C 197.20

FF 203.46

C 198.40

C 192.27

C 191.99

C 190.14

Trailer FF 197.11 N.C.

186.01 N.C.

P.I. 1 P.I. 2 P.I. 3 P.I. 4

BM*1 BM*2

44,250 S 43,750 W

44,250 S 43,500 W

44,500 S 43,000 W

PLAN
Scale: 1" = 50'

Match Line "Y-Y" See This Drawing

E. Baltimore-Washington Blvd. U.S. Route 1

Sta. 0+50 - 50' V.C.
P.V.I. = 203.70
P.O.C. = 203.96

Sta. 1+75 - 200' V.C.
P.V.I. = 206.20
P.O.C. = 205.37

Sta. 20+90 - 200' V.C.
P.V.I. = 196.62
P.O.C. = 195.94

Existing & Grade

Proposed & Grade By W.R.&A.

Existing Ground Over Water December, 1961

+2.00%

-0.50%

-3.20%

210
200
190
180
170

PART B

PROFILE
Scale: H: 1" = 100'
V: 1" = 10'

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE CHIEF ENGINEER	CONTRACT NO. 36-W&S	PLAN AND PROFILES OF WATER MAINS	DORSEY SUB-DISTRICT	DRAWING NO. 10 OF 14	SCALE AS SHOWN

PART "B" Contract N° 36 W&S

W. O. 5105-2

AS BUILT Feb 24, 1966

FB. 2555

W S 36 W-S/10

K. ELLIOTT CO., PITTSBURGH REORDER A-39070

DEEP CREEK INTERCEPTOR SECTION-2

W.R&A. BM# 1-A Elev. 181.76
R.R. spike in base 15" Oak 60'± left of Pl. 3-A on West stream bank.

W.R&A. BM# C-15 Elev. 184.61
□ cut on East end headwall of culvert over stream South side Route #1, 200'± East of Shields Trailer Sales.

WR&A BM# 1 Elev. 167.19
R.R. spike in base of 24" Poplar 30'± Rt. of Pl. #4 on top stream bank.

Note
For Grading Plan and Details of Treatment Plant; Lump Sum Item No. B-10, see Drawings No. 12, 13 & 14. 12"S, MH 1022 & MH 1023 not included in lump sum for Treatment Plant.

Note:
For detail of concrete encasement through existing culvert, see this Drawing.

Note:
12" Cast Iron Sewer shall be Class 22 pipe.

Note:
12' Access Road and 18" Drain to be included in lump sum Item No. B-19 for Sewage Treatment Plant.

PLAN
Scale: 1"=50'

SECTION THRU ENCASEMENT
Scale: ¾"=1'-0"

SECTION THRU CONCRETE ARCH
Scale: ½"=1'-0"

SECTION THRU WINGWALL
Scale: ½"=1'-0"

DETAILS OF CONCRETE ENCASEMENT
Scale: As Shown

PROFILE
Scale: H: 1"=100' V: 1"=10'

PART "D"
Contract No. 36 W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Dec. 7, 1961 DATE — Carl W. Mayer CHIEF ENGINEER	CONTRACT NO. 36 W&S	PLAN AND PROFILES OF SEWER MAINS	F-16, F-17, BM A117 DORSEY SUB – DISTRICT	DRAWING NO. 11 OF 14	SCALE AS SHOWN

W. O. 5105-2

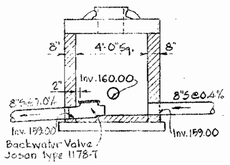
AS BUILT Feb. 24, 1966

F.B. 2555, 2557 2736

WS 36 W-S/11

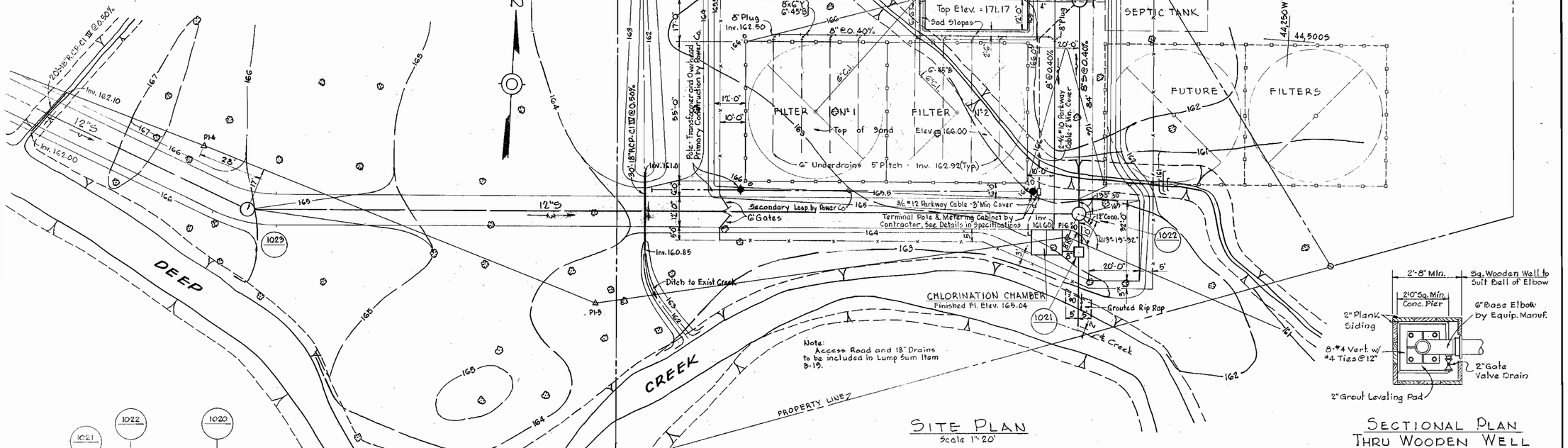
K. ELLIOTT CO., PITTSBURGH REORDER A-39070

Note:
Typical Shallow Type Manhole -
See Standard Detail S-3



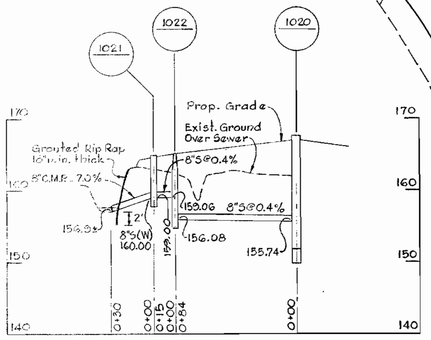
SECTION MH 1021
Scale ½" = 1'-0"

NOTE
All work shown on Site Plan except 12" Sewer, Manholes 1022 & 1023 to be included in Lump Sum Item B-19 for Sewage Treatment Plant.



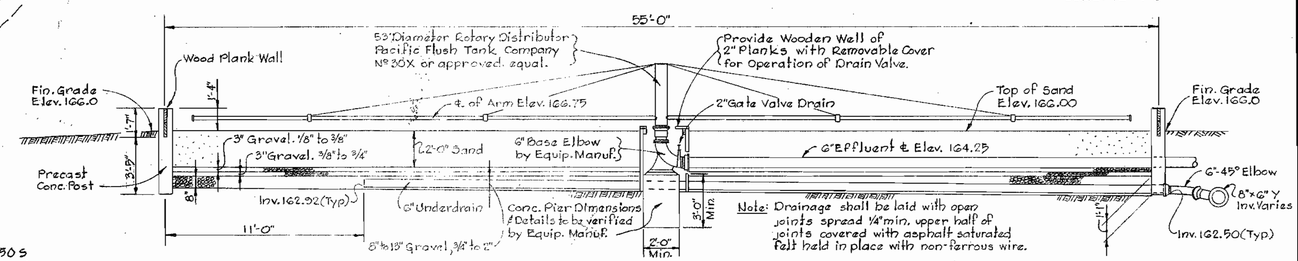
SITE PLAN
Scale 1" = 20'

SECTIONAL PLAN
THRU WOODEN WELL
Scale: ½" = 1'-0"



PROFILE
Scale: H : 1" = 50'
V : 1" = 10'

LEGEND
166 Existing Contours
166 Proposed Contours
Proposed Fence
Property Line



SECTION - SAND FILTER BED
Scale: ¼" = 1'-0"

PART "B"
Contract № 36 W&S

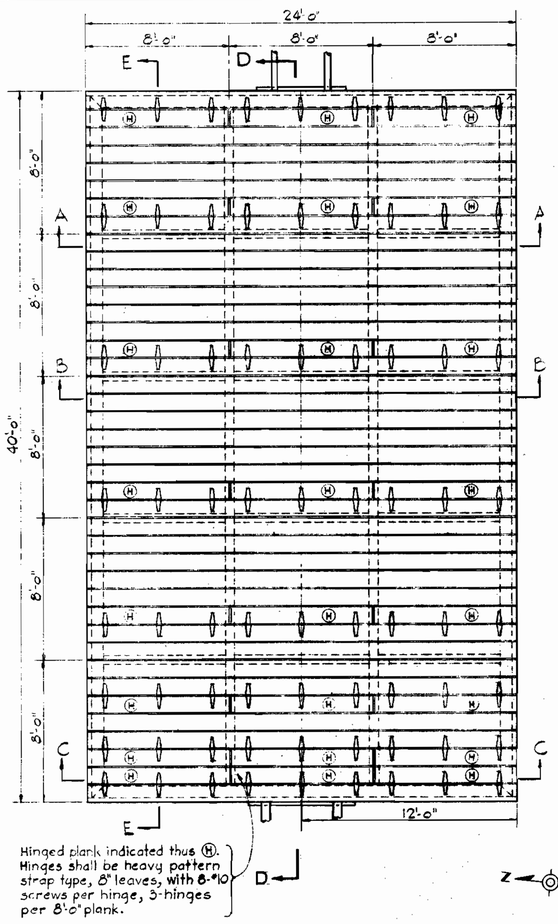
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION May 2, 1963 DATE Carl W. Mayer CHIEF ENGINEER	CONTRACT NO. 36 W&S	SEWAGE TREATMENT PLANT SITE PLAN & DETAILS	DORSEY SUB - DISTRICT	DRAWING NO. 12 OF 14	SCALE AS SHOWN

W. O. 5105-2

AS BUILT Feb. 24, 1966

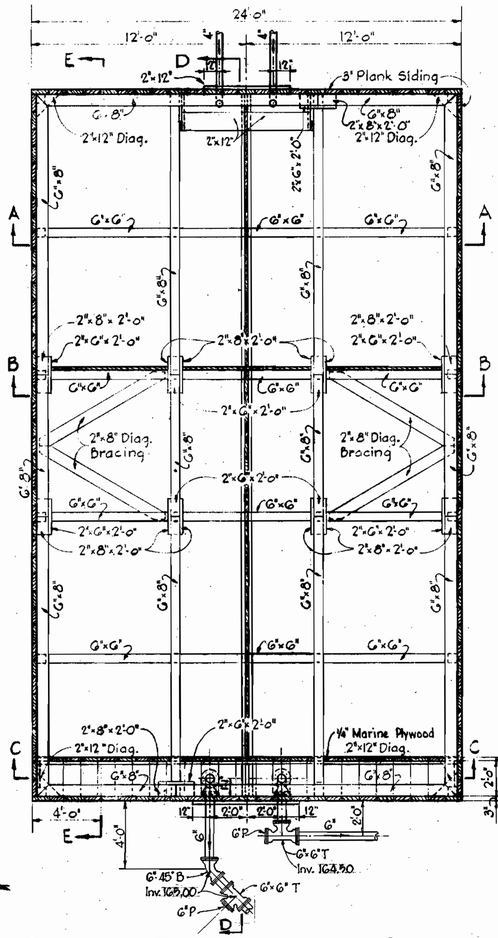
WS 36 W-S/12

E. K. ELLIOTT CO., PITTSBURGH REORDER A-39070



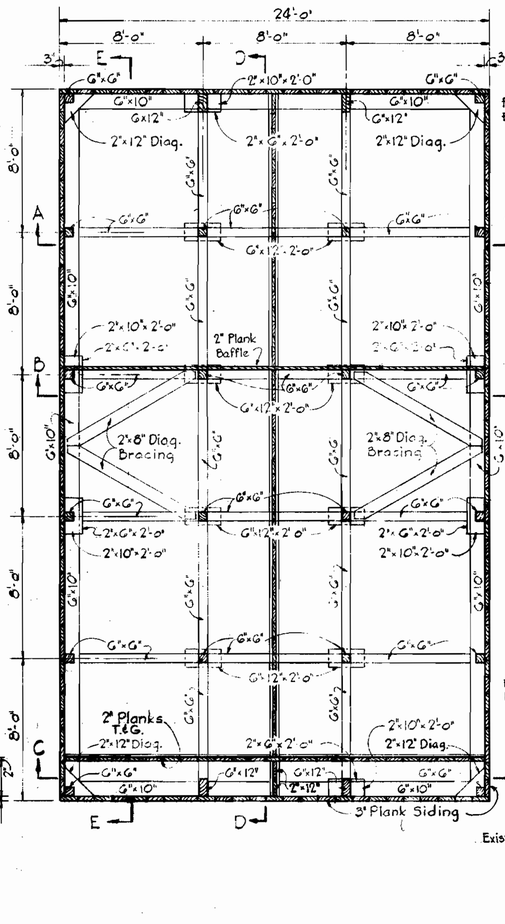
DECK PLAN - ELEV. 171.17

SCALE: 1/4"=1'-0"



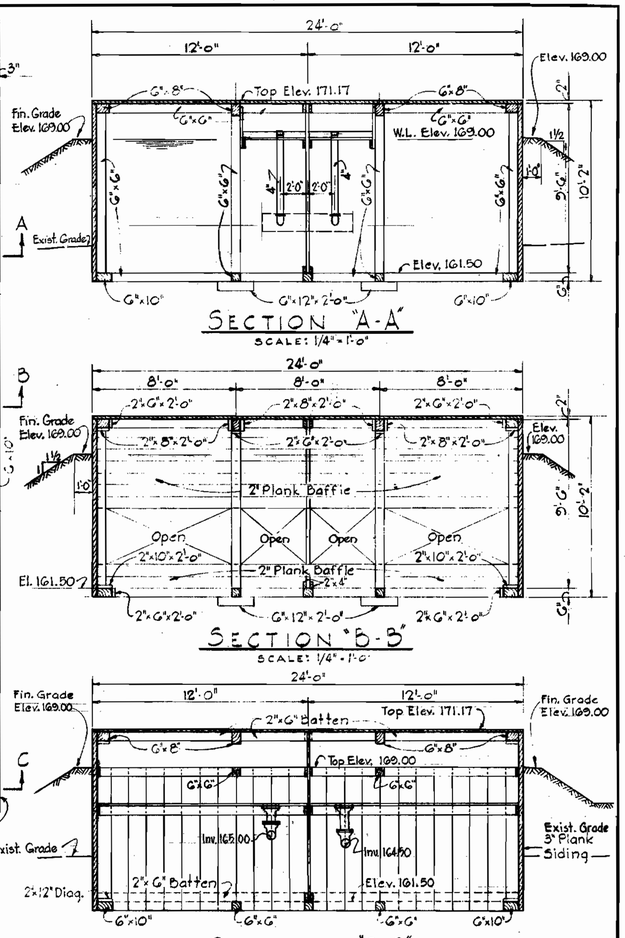
PLAN OF TOP WALES AND STRUTS

SCALE: 1/4"=1'-0"



PLAN OF BOTTOM WALES AND STRUTS

SCALE: 1/4"=1'-0"



SECTION "A-A"

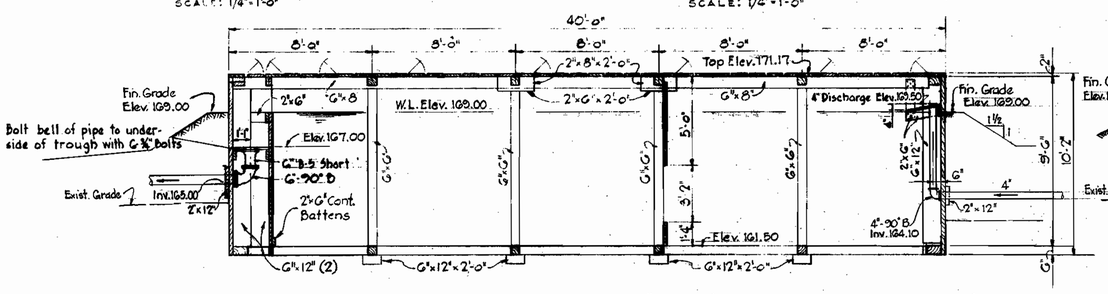
SCALE: 1/4"=1'-0"

SECTION "B-B"

SCALE: 1/4"=1'-0"

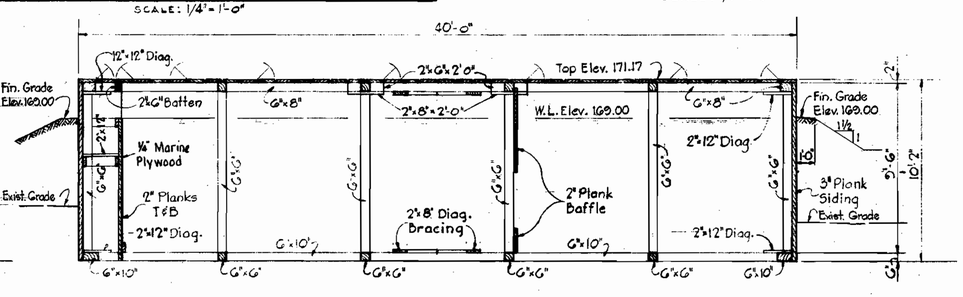
SECTION "C-C"

SCALE: 1/4"=1'-0"



SECTION "D-D"

SCALE: 1/4"=1'-0"



SECTION "E-E"

SCALE: 1/4"=1'-0"

Note: Deck Planks shall be 2"x 12" with ¼"± space between planks. Fixed planks shall be fastened with 2-40d nails each support.

SEPTIC TANK DETAILS

PART "B"
Contract No. 36 W&S

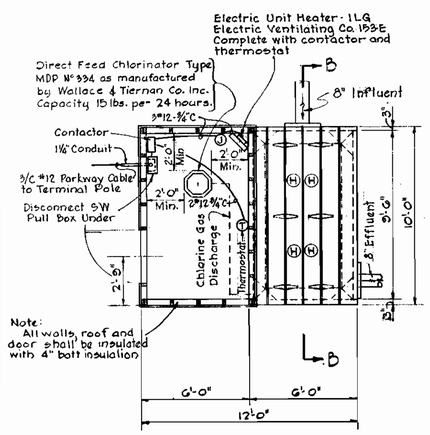
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 17, 1962 DATE — CHIEF ENGINEER	CONTRACT NO. 36 W&S	SEWAGE TREATMENT PLANT DETAILS	DORSEY SUB-DISTRICT	DRAWING NO. 13 OF 14	SCALE AS SHOWN

W. O. 5105-2

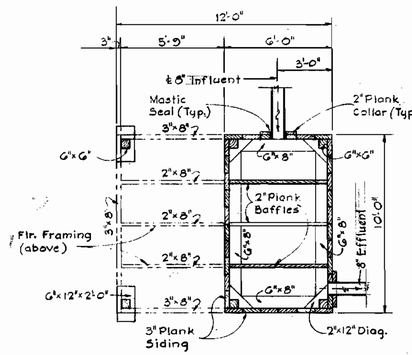
As Built Feb. 24, 1966

W/S 36 W-5/13

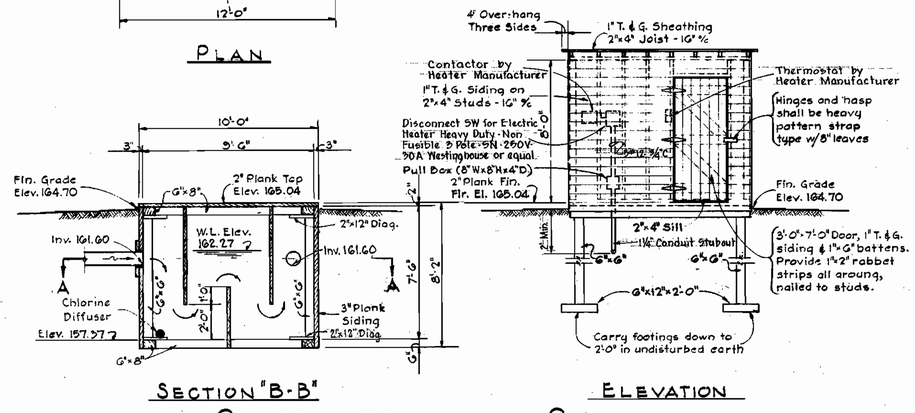
I. K. ELLIOTT CO., PITTSBURGH — REORDER A-39070



PLAN



SECTION "A-A"

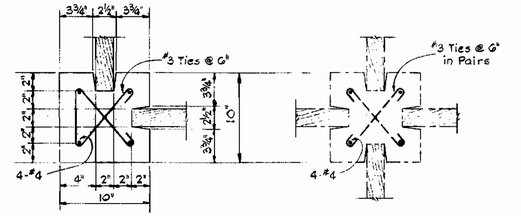


SECTION "B-B"

ELEVATION

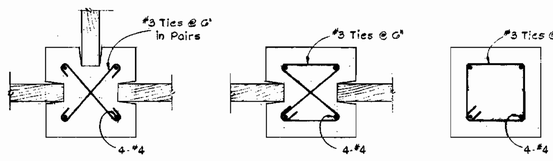
CHLORINATION CHAMBER

Scale: ⅛" = 1'-0"



CORNER POST

FUTURE-CROSS POST



NOTE: All dimensions and details same as "Corner Post".

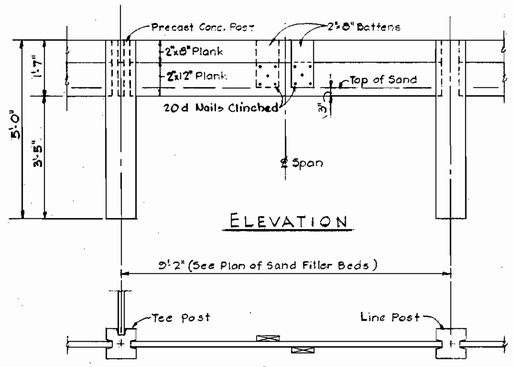
TEE POST

LINE POST

POST BELOW TIMBER

DETAILS OF PRECAST CONCRETE POST

SCALE: 1½" = 1'-0"



ELEVATION

PLAN

DETAILS OF WOOD PLANK WALL

SCALE 1½" = 1'-0"

GENERAL NOTES

TREATMENT FACILITIES:

1. Contractor shall strip and store the top soil, from all disturbed areas within the fence area. Upon completion of construction, the contractor shall distribute uniformly the top soil, and sod all disturbed areas within the fence area and all disturbed slopes where noted.
2. Force discharge piping shall be galvanized steel ASTM A 120 Schedule 40, Galvanized, fittings shall be malleable iron ASA B16C - 1939 Class 150.
3. Septic Tank effluent piping shall be cast iron mechanical joint. Class 22.

SEPTIC TANK:

1. Wood planking for deck, sides, baffles, trough, etc., may be rough sawn undressed oak, pine or fir. Wales, struts, posts, beams, etc., may be rough sawn or dressed at option of contractor.
2. Deck planking shall be 2"x12", ½"± space between plank, see Note Sheet N°10
3. Side, baffle and trough planking shall be butted tight, and may vary from 6" to 12" in width.
4. Side planking shall be fastened with 2-40d nails per plank at top and bottom wales.
5. Baffle and trough planking shall be securely fastened in place. Provide battens, brackets, etc., of 2" lumber as required.
6. Wales, struts, posts, beams, etc., shall be neatly fitted at bearing points, and shall be securely fastened in place.

CHLORINATION CHAMBER:

1. All wood planking shall be as specified under septic tank notes.
2. Roof to overhang 1'-0" on door side.
3. Roof to chlorine shed shall be covered with 2-ply tar paper laid in hot tar. All laps shall be nailed, and a hot tar mop coat applied over the covering.
4. Sides and roof of chlorine shed shall be of No. 2 common dressed pine or fir.

SAND FILTER BED:

1. Wood plank walls shall be as specified under septic tank notes.
2. Sand for filter bed shall have an effective size of 0.5 - 0.6 mm. and a uniformity coefficient of 1.75 max.

DESIGN DATA

POPULATION CAPACITY

200 Houses at 3 persons per house = 600 persons ~~(300 persons present)~~

SEWAGE QUANTITY

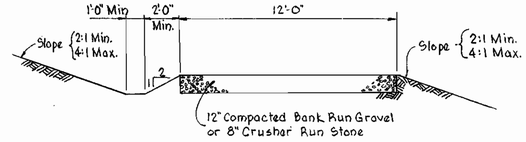
600 person at 90 gal./capita/day = 54,000 gal./day (37.5 g.p.m.) ~~(Present 27,000 gal./day)~~

Volume Septic Tank = 33,800 gal. ✓

Volume Chlorine Tank = 2,250 gal. ✓

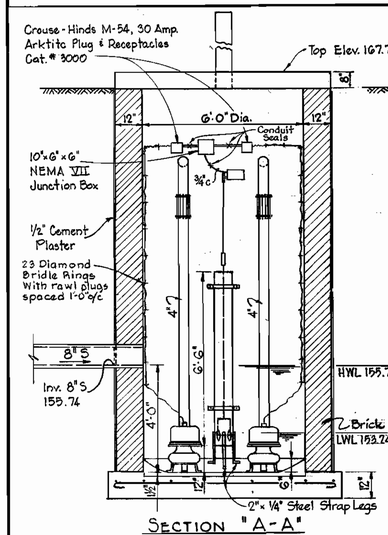
Detention Time at 37.5 g.p.m. = 60 min. ✓

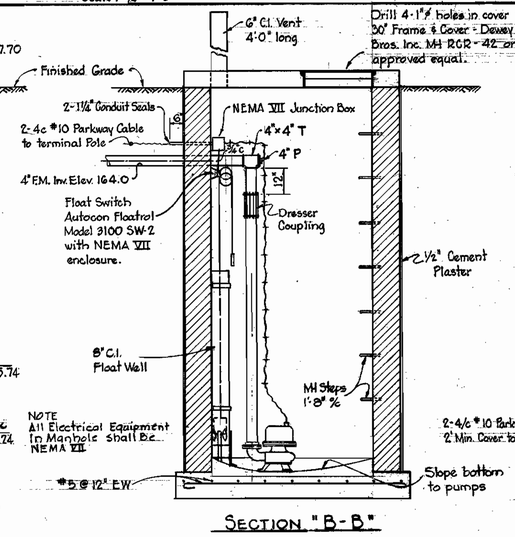
Sand Filter Bed Area = 12,100 S.F. ~~(Present 6,050 S.F.)~~

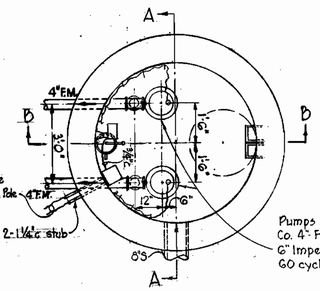


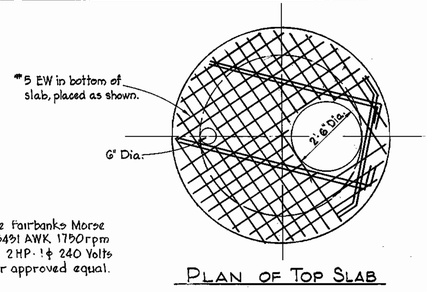
TYPICAL SECTION - PLANT ACCESS ROAD

SCALE 1/4" = 1'-0"









PLAN OF TOP SLAB

DETAILS OF SPECIAL MANHOLE No. 1020

Scale: 3/8" = 1'-0"

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION Jan. 17, 1962 DATE — CHIEF ENGINEER	CONTRACT NO. 36 W&S	SEWAGE TREATMENT PLANT DETAILS	DORSEY SUB-DISTRICT	DRAWING NO. 14 OF 14	SCALE AS SHOWN

PART "B" Contract N° 36 W&S

W. O. 5105-2

AS BUILT Feb. 24, 1966

WS 36 W-S/14