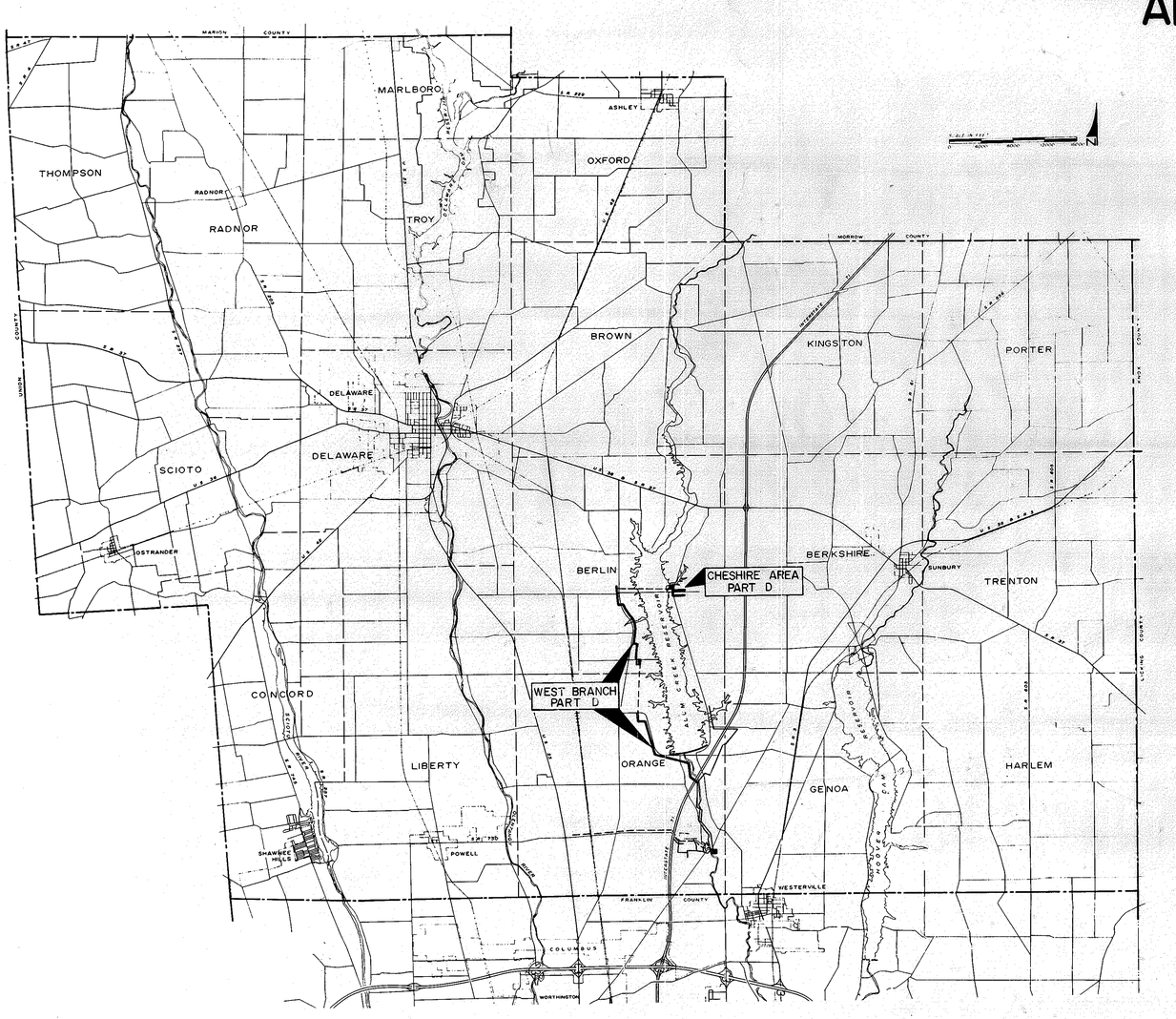
000004

DELAWARE COUNTY, OHIO

ALUM CREEK INTERCEPTOR SANITARY SEWER

CONTRACT "S 74-1"
PART D WEST BRANCH AND CHESHIRE AREA



DELAWARE COUNTY
VICINITY MAP

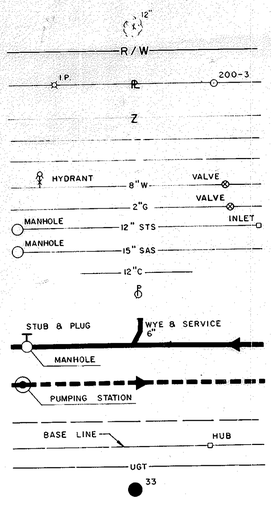
COUNTY STAFF

FRED L. STULTS	COUNTY ENGINEER
DOROTHY CONANT	COUNTY RECORDER
HENRY E. SHAW	PROSECUTING ATTORNEY
DAVID R. THOMAS	COUNTY AUDITOR
MADGE CONKLIN	COUNTY TREASURER
TOM ELLIOT	DIRECTOR PLANNING COMMISSION
GARY W. GILBERT	ASSISTANT SANITARY ENGINEER

BOARD OF COUNTY COMMISSIONERS

DEAN MILLER — KENNETH REED — JAMES WHITNEY

LEGEND



TREE
RIGHT OF WAY LINE
PROPERTY LINE, IRON PIN AND U.S. ARMY CORPS OF ENGINEERS MONUMENT
SAME OWNERSHIP
CENTERLINE
EDGE OF PAVEMENT
WATER MAIN
GAS MAIN
STORM SEWER
SANITARY SEWER
CULVERT
POWER POLE

PROPOSED SANITARY SEWER

PROPOSED SANITARY FORCE MAIN

PROPOSED EASEMENT
BASE LINE
UNDERGROUND TELEPHONE CABLE
TEST BORING

2-27-80

APPROVED THIS 9TH DAY OF APRIL, 1975

Fred L. Stults

Fred L. Stults, Delaware County Sanitary Engineer

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS
COLUMBUS, OHIO
APRIL 1975
REVISED SEPTEMBER 1976
REVISED MAY 1976
REV. OCT. 1976

PLANS PREPARED BY Paul M. Shepard Jr.
PAUL M. SHEPARD JR. P.E. NO. 23840

SHEET 1 OF 31

40-D

S-74-1 D

000004

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR SANITARY SEWER
INDEX MAP
PART D WEST BRANCH AND CHESHIRE AREA

REVISIONS	SCALE	DRAWN BY / CHECKED BY	DATE	SHEET
12-23-77: Plan notes revised	1"=1000'	DRAWN BY BLD / CHECKED BY EDS	DEC. 1974	SHEET 2 OF 31

PLAN NOTES

1. SUBSURFACE CONDITIONS. It is the obligation and responsibility of the Contractor to make his own investigations of subsurface conditions prior to submitting his proposal. Subsurface investigations were made for design and estimating purposes by the Engineers. Results of the subsurface investigations are available for the Contractor's inspection at the Engineers Office in Columbus, Ohio. Said subsurface investigations are incomplete, are not a part of the contract documents, except to the extent that the results thereof are specifically shown on the plans or included in the specifications, and are not warranted to show the actual subsurface conditions. The Contractor agrees that he will make no claim against the Owner or the Engineer, if, in carrying out the work, he finds that the actual subsurface conditions encountered do not conform to those indicated by said borings, test excavations, and other subsurface investigations.

2. UTILITIES AND STRUCTURES SHOWN ON THE PLANS. The location of utilities and structures, both surface and subsurface, are shown on the plans from data available at time of survey and are not necessarily complete or correct. The exact location and protection of utilities and structures are the responsibilities of the Contractor. During construction the Contractor shall use due diligence in protecting from damage all existing utilities and structures whether shown on the plans or not. If damage is caused, the Contractor shall be responsible for the repair or restoration of same to the satisfaction of the Engineers and for any resulting contingent damage.

3. PRESERVATION OF PROPERTY CORNERS AND SURVEY MARKERS. The Contractor shall exercise extreme caution to preserve all corner stone, iron pins, concrete monuments, or any other type of land monument. He shall have all land monuments in the proximity of the work referenced. Then if any of the land monuments are destroyed or damaged, he shall have them replaced by a surveyor and shall furnish a certification by a registered surveyor to the Delaware County Engineer that the monuments have been restored.

4. MANHOLE MARKERS. The Contractor shall provide and install manhole markers at the following locations. (See sheet 31 for details)
Manholes 25, 22, ,60 and 61,62

5. CONNECTIONS. Roof drains, foundation drains, and all other clean water connections to the sanitary sewer system are prohibited on this project.

6. SAWING PAVEMENT. Where necessary to disturb existing concrete or asphalt pavements or drives, the pavement shall be saw cut in neat, straight lines. The depth of saw cut shall be at least 2". Cost of saw cutting shall be included in the price bid per lineal foot of sewer pipe.

7. GRANULAR BACKFILL. Granular backfill is subject to the station limits specified on the plans.

8. GRADING AND SEEDING. Grading and seeding is subject to the station limits shown on the plans.

9. WYE BRANCHES. Sanitary sewer wye branches shall be field located during construction.

10. EROSION CONTROL. The entire project is subject to measures of erosion control and these measures shall be coordinated with the permanent grading and seeding work.

11. TREES. 1) Trees marked on the plans with a ⊗ may be removed; 2) All other trees less than 6 inches caliper may be removed, unless otherwise noted; 3) All other trees 6 inches caliper or greater shall not be removed, unless written approval is obtained from the Engineer; 4) The cost for the above shall be included in the unit price bid per lineal foot of sewer pipe.

12. MANHOLES. All manholes shall be Type "A", except Manholes 83, 84, and 85 are Special. See Sheet 31 for details. Mound around all manholes which project above ground surface, not greater than 4:1 slope.

13. MANHOLE STEPS. Manhole steps shall be New Jersey Aluminum Co. F-14-10, Alcoa, or equal.

14. MANHOLE FRAMES AND COVERS. Manhole frames and covers shall be Neenah R-1762, East Jordan, or equal.

15. WATERTIGHT MANHOLE FRAMES AND COVERS. Watertight manhole frames and covers shall be Neenah R-1916-C, East Jordan, or equal. Manholes 23, 24, 27-29, 32, 34, 42 & 87 shall be provided with watertight frames and covers. *and 33. 50, 80, 83, 84, 85,*

16. SOLID COVERS. Manholes 83, 84 and 85 shall be provided with solid covers.

PENN CENTRAL
OLD STATE ROAD
AFRICA ROAD
BIG WALNUT
T R -110
T R -109
I R - 71
TESTED
BALE KENYON
WORTHINGTON - GALENA ROAD
FREEMAN ROAD
FREEMAN RD.
T R - 111
S R -3
OLD 3C
C A - 24
MAXTOWN
T R -32
C R - 10
C R - 21
C R - 113
T R - 107
HANAWALT ROAD
T R - 113
MOSS RD
C R -112
SMOTHERS ROAD
C R -3
ARNOLD RD
T R - 295
LAZELLE ROAD
C R - 6
DELAWARE COUNTY
FRANKLIN COUNTY
SHT. 11
SHT. 10
SHT. 9
SHT. 8
SHT. 7
SHT. 6
SHT. 5
SHT. 4
2-27-80
CEG

PART "D" ALUM CREEK INTERCEPTOR GENERAL PLAN

4a-D

000004

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR SANITARY SEWER
INDEX MAP
PART D WEST BRANCH AND CHESHIRE AREA

REVISIONS

SCALE	DRAWN BY / CHECKED BY	DATE	SHEET
1" = 1000'	BLD / EDS	DEC. 1974	3 OF 31

2-27-80

CEG

CHESHIRE RD.

PEACHBLOW RD.

HOLLENBACK RD

LEWIS CENTER RD
C R - 106

PLUMB RD
T R - 105

DUSTIN RD.

JAYCOX
JAYCOX
T R - 110

LEWIS CENTER RD.
C R - 106

FLEUR
T R - 326

T R - 272

WESTERN

PIATT

OLD STATE ROAD

AFRICA ROAD

S. 3B'S & K RD

ROME CORNER'S RD

ROME CORNERS C R -

S R - 3

I-71

Chas-Am

Brookview Subs

Hayes Sub

CONTRACT S74-1
PART B

TESTED

SHT. 25 SHT. 24 SHT. 23 SHT. 22 SHT. 21 SHT. 20 SHT. 19 SHT. 18 SHT. 17 SHT. 16 SHT. 15 SHT. 14 SHT. 13 SHT. 12 SHT. 11 SHT. 10 SHT. 26 SHT. 27

PART "D" ALUM CREEK INTERCEPTOR GENERAL PLAN

40-D

000004

GURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 91+94.49 TO STA. 105+00

REVISIONS: Added Proj. Ref. Pt. and Line & Ref. Pt. of MH 23

SCALE: 1"=5' VERT. 1"=50' HOR. | DRAWN BY BLD | CHECKED BY EDS | DATE AUGUST, 1974 | SHEET 4 OF 31

PLAN — SURVEYED, PLOTTED, NOTE BOOK, No. 74-26, QUANTITY CHECKED, R/W OR EASEMENT CHECKED, STRUCTURE NOTATIONS CHECKED, DATE, BY

PROFILE — SURVEYED, PLOTTED, NOTE BOOK, No. 74-26, GRADE CHECKED, R/W OR EASEMENT CHECKED, STRUCTURE NOTATIONS CHECKED, DATE, BY

B.M.- R.R. SPIKE set N/s Corner R/w fence post Sta. 90+98, 52' Lt. Elev. 824.12

B.M.- R.R. SPIKE S/s 15" WALNUT Sta. 101+31, 35' Rt. Elev. 826.53

R/W I-71 State Route 1

I-71 NORTH BOUND

I-71 SOUTH BOUND

JAMES & GAY McCAMMON

℄ Proposed 30" SAS

50' Construction Easement

20' Permanent Easement

B.M. Contract "71-L" Part C

Contract "71-L" Part D To Make Connection

146°-45'-20"

34°-44'-40"

Compacted Backfill

Alum Creek

East Branch Part C

M.H. 21 Sta. 91+86.49 Part C Hub Set T.C. 820.00

Sta. 54+40

Sta. 1000+16 (2.27)

134°-08'-25"

℄ Proposed 24" SAS

M.H. 22 Sta. 96+47.39 I.P. Set T.C. 825.00

M.H. 23 Sta. 101+47.39 Hub Set T.C. 823.40

143°-54'-30"

20' Dead

22' Dead

10"

20' Permanent Easement

20' Construction Easement

MATCH LINE STA. 105+00 SHEET #5

Edge of Trees

℄ Bridge Pier #2 Sta. 381 + 93.40 State of Ohio Plan Ref. Del:-1-0.00 Fra-1-33.31

Reference Points

I-71-S R/W Fence

Cor. Fence Post w/ Tel. Co. Sign

P.K. 11/5 15" Walnut

P.K. 3/5 Twin 15" Box Elder

Sta. 96+47.39 No Scale

Sta. 101+47.39 No Scale

2-80 AS CONSTRUCTED

THE INFORMATION SHOWN HEREON IS INTENDED TO BE ACCURATE AND CORRECT, HOWEVER, ALL PERSONS ARE HEREBY NOTIFIED THAT ANY INFORMATION TAKEN FROM THIS PLAN IS TAKEN AT THEIR OWN RISK.

CEG

Existing Ground Over ℄ Sewer

16"ø CI 16% Part C By Others

416.80' of 24" @ 32% CL II

560.66' of 24" @ 16% CL II

352.61' of 24" @ 16% CL II

Top of Pier 828.24

Top of Pier 828.44

Top of Pier 829.72

Top of Pier 830.32

+94.49 Begin Part D Inv. 812.36

+47.39 MH 22 Inv. 813.82 (In)

+47.39 MH 23 Inv. 814.72 (In)

PLATE 1 PLAN-PROFILE S.P.E. STANDARD

West Branch Alum Creek Interceptor Sewer Sta. 91+94.49 to Sta. 105+00

40-D

000004

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 105+00 TO STA. 120+00

SCALE 1"=5' VERT. 1"=50' HOR. | DRAWN BY BLD | CHECKED BY EDS | DATE AUGUST, 1974 | SHEET 5 OF 31

REVISIONS: 12-27-77: Added Sta. & Plug at MH 26. 12-27-77: MH 26 Relocated To MH 25 & Hwy Lowered To MH 25.

PLAN — SURVEYED, PLOTTED, CHECKED, NOTE BOOK, No. 74-32, R/W PLAT CHECKED, ST. OR WAY CHECKED, BY, DATE

PROFILE — SURVEYED, PLOTTED, CHECKED, NOTE BOOK, No. 74-32, R. W.'s NOTED, STRUCTURE NOTATIONS CHECKED, BY, DATE

B.M.- R.R. SPIKE N/s 5" WALNUT
Sta. 108+96, 21' Rt.
Elev. 827.073

N

PAUL NOBLE

James & Goy Mc Common

M.H. 25
Sta. 110+16.70
Hub Set
T.C. 830.10

MH 26
℄ Sta. 114+93.86 Bk.*
℄ Sta. 114+94.00 Ah.*
℄ Sta. 114+94.00
T.C.=829.90

℄ Sta. 114+79.19
Hub Set
18" Stub & Plug

50' Construction Easement
℄ Proposed 24" SAS
Survey ℄
140°-09'-15" ℄
172°-20'-40" ℄
20' Permanent Easement

WALTER BALE

20' Construction Easement

MATCH STA. 105+00 LINE
SHEET # 4

M.H. 24
Sta. 106.00.00
P.O.L.
T.C. 823.40

Edge of Trees

M.H. 27
Sta. 118+00.00
P.O.L.
T.C. 825.00

MATCH STA. 120+00 LINE
SHEET #6

3-80
CLEG

Reference Point
Sta. 110+16.70 — No Scale
℄ 110
121.66'
79.35'
140°-23'-55"
111
P.K. 5/5 5" Walnut
Twin 18" Oak Stumps

Reference Point
℄ Sta. 114+79.19 — No Scale
P.K. 1/1 W 18" Cotton wood 6' above ground
24.63'
114
℄
115
172°-06'-00"
P.K. 1/1 W twin 15" Osage Orange 2' above ground

Existing Ground over ℄ Sewer

100' of 24"@ 0.16% Cl. II
416.70 of 24"@ 0.16% Cl. II
412.39 of 24"@ 0.16% Cl. II
320.81' of 24"@ 0.16% Cl. II
200' of 24"@ 0.16% Cl. II

835 830 825 820 815 810

105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120

PLATE I PLAN PROFILE S.W.E.R. STANDARD
HARRIS BROTHERS CO., CHICAGO, NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 105+00 to Sta. 120+00

40-D

000004

B.M. - N.E. Corner Concrete headwall E. side Bale Kenyon Rd. Sta. 132+15, 15' Rt. Elev. 835.54

WARREN BALE

WARREN BALE

N

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 120+00 TO STA. 135+50

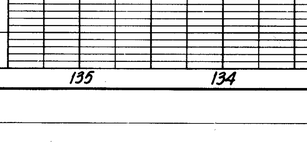
SCALE 1"=5' VERT. 1"=50' HOR. | DRAWN BY BLD CHECKED BY EDS | DATE AUGUST, 1974 | SHEET 6 OF 31

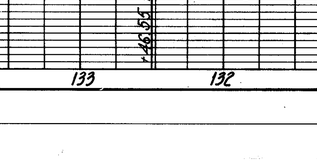
REVISIONS
2-28-77 Lowered T.C. of MH 28
2-28-77 Rev. Sta. of MH 28 & MH 29
2-28-77 Rev. Sta. 135+50

PLAN
SURVEYED
PLOTTED
NOTE BOOK
No. 74-26
GRADES CHECKED
ALIGNMENT CHECKED
R.W. OR WAY CHECKED
REVISIONS 77-34
BY
DATE

LINE
Sta. 135+50
SHEET #7
MATCH
50' Construction Easement
20' Permanent Easement
20' Construction Easement
98° 17' 00"
ELDON SCHOENLEB
(Asphalt Pavement)
12" Stub
M.H. 31
Sta. 132+46.55
Hub Set
T.C. 835.00
R/W
Bale Kenyon Rd.
101° 03' 45"
Wye, Lt. Sta. 131+05
M.H. 30
Sta. 131+13.55
Hub Set
T.C. 835.00
WALTER BALE
Woods
℄ Proposed 21" SAS
20' Permanent Easement
30' Construction Easement
M.H. 29
Sta. 126+00.00
P.O.L.
T.C. 827.30
12" Stub
Inv. El. 819.45
M.H. 28
Sta. 121+39.03
Hub Set
T.C. 825.00
20' Construction Easement
86° 10' 20"
℄ Proposed 24" SAS
MATCH STA. 120+00 LINE
SHEET #5

Reference Points





3-80

Granular Backfill
Sta. 132+60 to Sta. 132+83

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
No. 74-32
GRADES CHECKED
S. & A.'s NOTED
REVISIONS CHECKED
REVISION 77-34
BY
DATE

Existing Ground Over & Sewer

303.45' of 21" @ 8.91% Cl. II
193.00' of 21" @ 1.00% Cl. II
513.55' of 21" @ 0.32% Cl. II
460.97' of 21" @ 0.32% Cl. III
139.03' of 24" @ 0.16% Cl. II

+46.55 MH 31 Inv. 823.40 (Out)
823.59 (In)
824.10 12" Stub
+13.55 MH 30 Inv. 821.35 (Out)
821.85 (In)
MH 29 Inv. 820.33 (Out)
Inv. Elevation
MH 28 Inv. 818.44 (Out)
Inv. 818.90 (In)

PLATE 1 PLAN-PROFILE 8 P R STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 120+00 to Sta. 135+50

40-D

000004

B.M. - R.R. SPIKE SET 5/8 19" SHAGBARK HICKORY
Sta. 149+11, 60' Rt.
Elev. 854.94

N

12-6-77 Removed Pond, Added Leach Beds, 6-6-77 Sta. 137+50 to 146+00 Sta. 137+50 to 138+46.65 REVISIONS DATE	BURGESS & NIPLE, LIMITED CONSULTING ENGINEERS — COLUMBUS, OHIO
	DELAWARE COUNTY, OHIO ALUM CREEK INTERCEPTOR SANITARY SEWER WEST BRANCH STA. 135+50 TO STA. 150+00
SCALE 1"=5' VERT. 1"=50' HOR.	DRAWN BY BLD CHECKED BY EDS — DATE AUGUST, 1974 — SHEET 7 OF 31

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R. OF WAY CHECKED, NOTE BOOK No. 74-26, DATE, BY

WARREN BALE

MATCH STA. 150+00 LINE SHEET # 8

154°-31'-55"

Concrete Spillway

148 — 147 — 31 — 146 — ℄ Proposed 21" SAS — 145 — 144 — 143 — 142 — 141 — 140 — 139 — 138 — 137 — 136

149

M.H. 35
Sta. 149+13.38
Hub Set
T.C. 857.80

M.H. 34
Sta. 146+00.00
P.O.L.
T.C. 847.60

M.H. 33
Sta. 142+94.45
Hub Set
T.C. 848.30

176°-35'-30"

10' Construction Easement — 20' Permanent Easement — 20' Construction Easement

Pasture

℄ Stream

50' Construction Easement

8-10" — 8-10" — 14"

171°-33'-33"

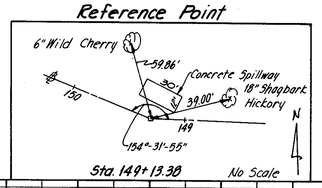
Approximate Leach Bed

M.H. 32
Sta. 138+46.65 Back =
Sta. 137+74.97 Ahead
Hub Set
T.C. 839.20

MATCH Sta. 135+50 SHEET #6 LINE

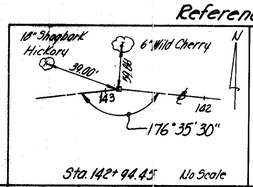
ELDON SCHOENLEB

Reference Point

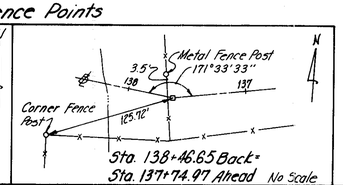


Sta. 149+13.38 No Scale

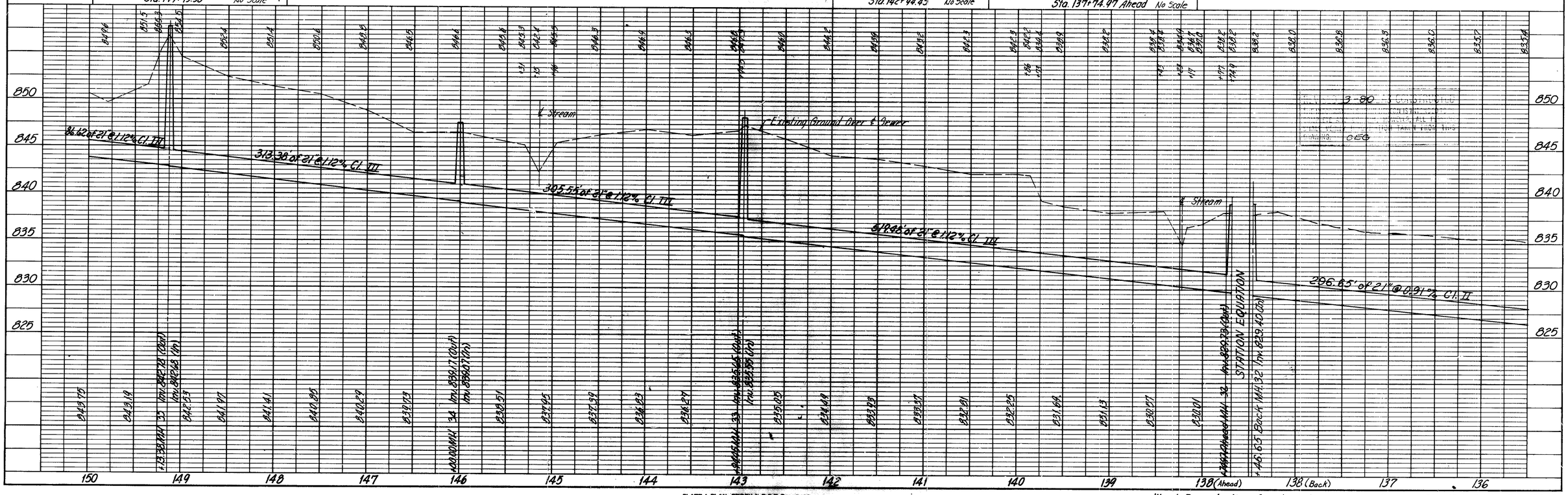
Reference Points



Sta. 142+94.45 No Scale



Sta. 138+46.65 Back =
Sta. 137+74.97 Ahead No Scale



PROFILE — SURVEYED, PLOTTED, NOTE BOOK, GRADES CHECKED, R. W.'s NOTED, STRUCTURE LOCATIONS CHECKED, DATE, BY

PLATE 1 PLAN-PROFILE B.P.R. STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 135+50 to Sta. 150+00

40-D

000004

B.M.-R.R. SPIKE SET N/S 36" SHAGBARK HICKORY
Sta. 158+74, 65' Lt.
Elev. 863.16

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS · COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 150+00 TO STA. 165+00

REVISIONS: 12+5 PT. Removed Panel

SCALE: 1"=5' VERT. 1"=50' HOR. | DRAWN BY BLD CHECKED BY EDS | DATE SEPTEMBER, 1974 | SHEET 8 OF 31

PLAN
SURVEYED
PLOTTED
NOTE BOOK
No. 74-26
DATE / BY
ALIGNMENT CHECKED
EL. OF WAY CHECKED

MATCH LINE STA. 165+00 SHEET #8

171°-16'-10"

M.H. 40
Sta. 164+86.19
Hub Set
T.C. 877.10

167°-42'-00"

M.H. 39
Sta. 162+98.64
Hub Set
T.C. 872.10

50' Construction Easement

20' Permanent Easement

114°-04'-35"

℄ Proposed 21" SAS

M.H. 38
Sta. 158+33.96
Hub Set
T.C. 870.60

154°-43'-30"

M.H. 37
Sta. 155+88.27
Hub Set
T.C. 867.50

153°-39'-30"

20' Construction Easement

Treeline

M.H. 36
Sta. 152+71.51
Hub Set
T.C. 859.70

WARREN BALE

MATCH LINE STA. 150+00 SHEET #7

Reference Point
P.K. 5/5 6" Osage Orange
4' Above ground
11.77'
171°-16'-10"
165
164 ℄
P.K. 6" Osage Orange
Sta. 164+86.19 No Scale

Reference Point
114°-04'-35"
158
156
N
5x60'
P.K. 5/5 6" Osage Orange
P.K. W/S 30" Birch
Sta. 158+33.96 No Scale

187.55' of 21"@1.00%, Cl. III
464.68' of 21"@1.00%, Cl. III
245.69' of 21"@1.00%, Cl. III
316.76' of 21"@1.00%, Cl. III
271.51' of 21"@1.12%, Cl. III
Existing Ground Over ℄ Sewer
℄ Ditch

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
No. 74-32
DATE / BY
GRADE CHECKED
EL. MH.'s NOTED
STRUCTURE NOTATIONS CHECKED

PLATE 1 PLAN-PROFILE 8 P R 5 STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 150+00 to Sta. 165+00

3-80

C13B

40-D

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 165+00 TO STA. 179+00

SCALE: 1"=5' VERT. 1"=50' HOR. | DRAWN BY BLD | CHECKED BY EDS | DATE SEPTEMBER, 1974 | SHEET 9 OF 31

B.M.- R.R. Spike in top of Concrete monument U.S. Corps. of Engineers. Elev. 908.27

MATCH LINE — SHEET #10 STA. 179+00

℄ Relocated C.E. 106

Lewis Center Rd.

U S A

R/W

℄ Proposed 21" SAS

20' Construction Easement

50' Construction Easement

20' Permanent Easement

M.H. 45
Sta. 175+00.00
T.C. 909.70

M.H. 44
Sta. 171+73.99
I.P. Set
T.C. 900.50

M.H. 43
Sta. 170+00.00
T.C. 887.10

M.H. 41
Sta. 165+65.46
Hub Set
T.C. 880.20

Monument 190-4
U.S. Army Corps of Engineers

WARREN BALE

Pasture

18" Stub & Plug West

Reference Point
Monument 190-4
U.S. Army Corps of Engr.
NE Corner Fence Post
S 57°-38'-00" E 40
N 105°-19'-30" E 134.11
N 111°-51'-27" E 129.43
Sta. 167+33.04 No Scale

M.H. 42
Sta. 167+33.04
Hub Set
T.C. 874.60

EDWIN A. KINDBERG

MATCH LINE — SHEET #8 STA. 165+00

3-80 AS CONSTRUCTED
THIS INFORMATION IS INTENDED TO BE USEFUL AND CORRECT, HOWEVER, ALL PERSONS SHOULD VERIFY INFORMATION TAKEN FROM THIS PLAN.
CEG

PLAN
SUBMITTED
PLOTTED
NOTE BOOK ALIGNMENT CHECKED
No. 74-28 RT. OF WAY CHECKED
DATE

PROFILE
PLOTTED
PROFILED
NOTE BOOK GRADES CHECKED
No. 74-32 ELEVATIONS CHECKED
BY DATE

Existing Ground Over ℄ Sewer

400.00' of 21" @ 0.48%, Cl. II

326.61' of 21" @ 0.48%, Cl. II

10° Drop Connection

+00.00 MH 43 Inv. 880.40 (Out)
Inv. 880.61 (In)

5.00' of 21" @ 0.48%, Cl. II

+00.00 MH 44 Inv. 880.40 (Out)
Inv. 880.61 (In)

Drop Manhole

874.53

871.71

868.89

266.04' of 21" @ 5.04%, Cl. III

MH 07 42 Reinforced Concrete Encasement

+99.04 MH 42 Inv. 862.23 (Out)
Inv. 862.44 (In)

16" Stub & Plug Inv. 862.35

MH 42 Inv. 862.23 (Out)
Inv. 862.44 (In)

MH 41 Inv. 862.17

MH 40 Inv. 862.17

MH 39 Inv. 862.17

167.58' of 21" @ 1.00%, Cl. III

65.46' of 21" @ 1.00%, Cl. III

179 178 177 176 175 174 173 172 171 +50 170 169 168 167 166 165

West Branch Alum Creek Interceptor Sewer Sta. 165+00 to Sta. 179+00

PLATE 1: PLAN - PROFILE 8 PR STANDARD
EDDIE STETSON CO., CHICAGO, NEW YORK

40-D

B.M. -□" Cut in top 30" concrete pipe crossing Lewis Center Rd. Sta. 200+98, 10' Rt. Elev. 912.745

N

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 179+00 TO STA. 214+00

REVISIONS

SCALE: 1"=5' VERT. 1"=50' HOR. | DRAWN BY BLD CHECKED BY EDS | DATE SEPTEMBER, 1974 | SHEET 10 OF 31

PLAN — SURVEYED: PLOTTED: NOTE BOOK: No. 74-16 — DRAWN BY: CHECKED: QUANTITY CHECKED: ST. OF WAY CHECKED: DATE: BY:

F & Z INVESTMENT CO.

LORA W. SCHIMMEL

USA

Sheet # 9 — MATCH STA. 179+00 LINE

MATCH STA. 214+00 — Sheet # 11

Monument 200-1 U.S. Army Corps of Engineers

Monument 200-2 U.S. Army Corps of Engineers

Monument 201-1 U.S. Army Corps of Engineers

Monument 201-2 U.S. Army Corps of Engineers

178°-09'-05"

Brush Line

℄ Ditch

℄ Proposed 21" SAS

8" Stub

20°

7°

30° S.I.S.

30'

Sta. 62+01.44

Lewis Center Road

C.R. - 106

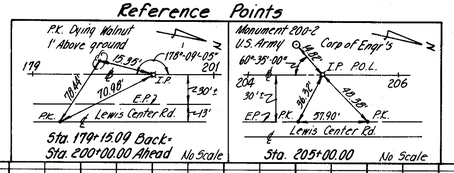
(Location of M.H. Same)
M.H. 46
Sta. 179+15.09 Back =
Sta. 200+00.00 Ahead
I.P. Set
T.C. 914.00

M.H. 47
Sta. 205+00.00
I.P. Set
T.C. 920.80
(M.H. Moved 10' Rt. W/ 8" Stub Added)

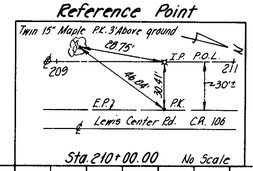
(M.H. Moved 7' Rt.)
M.H. 48
Sta. 210+00.00
I.P. Set
T.C. 924.90

R/W

Reference Points



Reference Point



3-80

CEG

PROFILE — SURVEYED: PLOTTED: NOTE BOOK: No. 74-16 — GRADES CHECKED: B. M.'s NOTED: STRUCTURE EXCAVATIONS CHECKED: DATE: BY:

Existing Ground Over ℄ Sewer

STATION EQUATION

Sta. 179+15.09 Back = Sta. 200+00.00 Ahead

15.09' of 21" @ 0.48%, Cl. III

500.00' of 21" @ 0.48%, Cl. III

500.00' of 21" @ 0.43%, Cl. III

400.00' of 21" @ 0.13%, Cl. III

M.H. 46 Inv. 902.90 (In)

Inv. 903.04 (Out)

M.H. 47 Inv. 905.40 (In)

Inv. 905.47 (Out)

M.H. 48 Inv. 907.54 (In)

Inv. 908.72 (Out)

902.23 903.24 903.48 903.72 903.96 904.20 904.44 904.68 904.92 905.16 905.40 905.64 905.88 906.12 906.36 906.60 906.84 907.08 907.32 907.56 907.80 908.04 908.28 908.52 908.76 909.00 909.24 909.48 909.72 909.96 910.20 910.44 910.68 910.92 911.16 911.40 911.64 911.88 912.12 912.36 912.60 912.84 913.08 913.32 913.56 913.80 914.04 914.28 914.52 914.76 915.00 915.24 915.48 915.72 915.96 916.20 916.44 916.68 916.92 917.16 917.40 917.64 917.88 918.12 918.36 918.60 918.84 919.08 919.32 919.56 919.80 920.04 920.28 920.52 920.76 921.00 921.24 921.48 921.72 921.96 922.20 922.44 922.68 922.92 923.16 923.40 923.64 923.88 924.12 924.36 924.60 924.84 925.08 925.32 925.56 925.80 926.04 926.28 926.52 926.76 927.00 927.24 927.48 927.72 927.96 928.20 928.44 928.68 928.92 929.16 929.40 929.64 929.88 930.12 930.36 930.60 930.84

930 925 920 915 910 905 900

179 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214

PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 179+00 to Sta. 214+00

40-D

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 214+00 TO STA. 229+50

REVISIONS

SCALE	DRAWN BY	DATE	SHEET
1" = 5' VERT. 1" = 50' HOR.	BLD CHECKED BY EDS	SEPTEMBER, 1974	11 OF 31

PLAN — SURVEYED. PLOTTED. DRAWN CHECKED. ALIGNMENT CHECKED. ELEV. MKS. CHECKED. NOTE BOOK No. 74-26 — BY — DATE

PROFILE — SURVEYED. PLOTTED. GRADES CHECKED. MH & INVERTS. STRUCTURE NOTATIONS CHECKED. NOTE BOOK No. 74-26 — BY — DATE

~ Bench Mark ~
Mine Spike in 18" Maple,
Sta. 214+86.00, 89' Rt.
Elev. = 929.88

LORA M. SCHIMMEL, ET AL

RAYMOND MULLINS

N

SHEET # 10 STA. 214+00 LINE

MATCH

(M.H. Moved 10' Rt.)
M.H. 49
Sta. 215+00.00
P.O.L.
T.C. 929.60

(M.H. Moved 10' Rt. W/ Water Tight Cover Added.)
M.H. 50
Sta. 220+00.00
P.O.L.
T.C. 928.50

(M.H. Moved 10' Rt.)
M.H. 51
Sta. 225+00.00
P.O.L.
T.C. 933.80

~ Bench Mark ~
Mine Spike in 10" Hickory,
Sta. 228+87, 84' Rt.
Elev. = 930.16

Monument 201-3 U.S. Army Corps of Engineers
Monument 202-1 U.S. Army Corps of Engineers
Monument 202-2 U.S. Army Corps of Engineers
Monument 204-1 U.S. Army Corps of Engineers

Brush Line
℄ Ditch
36" Sts.
℄ Proposed 21" SAS
Lewis Center Road
℄ Asphalt Pavement
C.R.-106
Woods
20' Construction Easement
20' Permanent Easement
50' Construction Easement
R/W
USA
B.M.

(M.H. Moved 9' Rt.)
M.H. 52 Type D
Sta. 228+99.4 Back =
Sta. 228+89.4 Ahead
I.P. Set
T.C. 930.00

REVISED 3-80 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS INTENDED TO BE COMPLETE AND CORRECT, HOWEVER, ALL PERSONS SHALL VERIFY INFORMATION TAKEN FROM THIS DRAWING. CEB

Reference Points

P.K. 16" Maple 4' Above ground — Sta. 215+00.00 — No Scale
P.K. 4" Hickory 4' Above ground — Sta. 220+00.00 — No Scale
P.K. 10" Ash 6' Above ground — Sta. 225+00.00 — No Scale
Monument 204-1 U.S. Army Corps of Engrs. — Sta. 228+99.42 — No Scale

Lewis Center Rd.
E.P.
I.P. P.O.L.
P.K.
I.P.

Existing Ground Over & Sewer ℄

100.00' of 21" @ 0.13% Cl. III
500.00' of 21" @ 0.11% Cl. III
500.00' of 21" @ 0.02% Cl. III
394.42' of 21" @ 0.13% Cl. IV
60.6' of 21" @ 0.23% Cl. IV

935 930 925 920 915 910

214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229

PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 214+00 to Sta. 229+50

BURGESS & NIPLE, LIMITED — CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 229+50 TO STA. 245+00

SCALE 1"=5' VERT. 1"=50' HOR. | DRAWN BY BLD CHECKED BY EDS | DATE SEPTEMBER, 1976 | SHEET 12 OF 31

REVISIONS: 8-19-77 Profile Modified 8-24-77 Added Stub & Plug @ MH 56.

PLAN — SURVEYED ... PLOTTED ... NOTE BOOK ... No. 74-26 ... DATE ... BY ... RT. OF WAY CHECKED ... ALIGNMENT CHECKED

PROFILE — SURVEYED ... PLOTTED ... NOTE BOOK ... No. 74-32 ... DATE ... BY ... GRADES CHECKED ... S. M.'s NOTED ... STRUCTURE EXCAVATIONS CHECKED

MATCH 12"Stub & Plug — SHEET #13 STA. 245+00 LINE — 99°55'15" — 405' — 175°45'37" — 65° — C.E. WESTERVELT

B.M.- R.R. SPIKE in N/s 8" ELM
Sta. 239+49, 33' Lt.
Elev. 932.44

Indian Mound
60'± Dia., 3'± above existing ground

M.H. 56
Sta. 244+51.45
I.P. Set
T.C. 920.00

Monument 203-1
U.S. Army Corps of Engineers

USA

RAYMOND MULLINS

20' Construction Easement

℄ Proposed 21" SAS

106°-29'-45"

M.H. 55
Sta. 239+93.46
I.P. Set
T.C. 930.30

P.O.L.
Sta. 237+99.10
I.P. Set

M.H. 54
Sta. 234+93.62
I.P. Set
T.C. 933.00

159°-26'-37"

50' Construction Easement

20' Permanent Easement

153°-01'-37"

20' Construction Easement

M.H. 53
Sta. 232+99.00
I.P. Set
T.C. 926.80

MATCH STA. 229+50 LINE SHEET #11

RAYMOND MULLINS

Reference Points

P.K. E/S 5" Osage Orange 4' Above ground — Sta. 244+51.45 No Scale

Monument-203-1 U.S. Army Corps of Engineers — 403.90' — 111°-23'-30" — 106°-29'-45" — 34°-29'-30" — P.K. N/S 4" Osage Orange 14.90'± 1' Above ground — P.K. N/S 4" Osage Orange 2' Above ground — Sta. 239+93.46 No Scale

P.K. 5/S 3" Osage Orange 2' Above ground — P.K. N/S 5" Elm 5' Above ground — Sta. 237+99.10 No Scale

P.K. 5/S 4" Crab Apple 2' Above ground — P.K. Twin 4" Ash 4' Above ground — Sta. 234+93.62 No Scale

P.K. 18" Walnut 3' Above ground — P.K. 14" Walnut 2' Above ground — Sta. 232+99.00 No Scale

REVISED 3-80 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS INTENDED TO BE COMPLETE AND CORRECT, HOWEVER, ALL PERSONS SHALL VERIFY INFORMATION TAKEN FROM THIS DRAWING.

Existing Ground Over ℄ Sewer

Prop. Embankment See Sht. #29

48.55' of 21" @ 0.12%, Cl. IV

457.99' of 21" @ 0.17%, Cl. III

492.04' of 21" @ 0.12%, Cl. IV

194.62' of 21" @ 0.06%, Cl. III

349.00' of 21" @ 0.23%, Cl. IV

Begin Crossing Sta. 244+83

+51.45 MH 56 Inv. 912.00 (Out)
Inv. 912.33 (In)
12"-Stub & Plug Southwest Inv. 913.36

+99.46 MH 55 Inv. 911.02 (Out)
Inv. 911.27 (In)

+42.62 MH 54 Inv. 911.20 (Out)
Inv. 911.27 (In)

+99.00 MH 53 Inv. 911.30 (Out)
Inv. 911.37 (In)

Concrete Encasement

PLATE I PLAN-PROFILE B.P.R. STANDARD
LEDGER ENGRAVING CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 229+50 to Sta. 245+00

PLAN
SURVEYED
PLOTTED
NOTE BOOK
No. 12-28
ALIGNMENT CHECKED
ELEV. OF MH CHECKED
DATE
BY

C.E. WESTERVELT

MH 27
Sta 246+92.61
F.C. 918.40
F.C. 912.40

SHEET #12
STA 245+00 LINE
MATCH

20' Permanent Easement
℄ Proposed 21"SAS
246
247
248
166°-34'-30"
10'
50' Construction Easement
USA

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
No. 12-28
GRADES CHECKED
MATERIAL QUOTED
STRUCTURE LOCATIONS CHECKED
DATE
BY

925
920
915
910
905

245
246
247
248
249

— Bench Mark —
White Painted Nut on End
of Guard Rail Post
Sta 253+70, 87'Lt
Elevt 921.62

N

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 245+00 TO STA. 253+35

SCALE 1"=5' VERT. 1"=50' HOR.
DRAWN BY BLD
CHECKED BY EDS
DATE SEPTEMBER, 1974
SHEET 13 OF 31

Part B

ANNA R. BARNEY A.K.A.
ANNA E. BARNEY

Proposed 21" SAS
Part B
20' Permanent Easement
Clamp Disc
15"x15"
18"
252
253
254
255
10'
Sta 256+55.65
I.P. Set
50' Construction Easement
USA

REVISED 3-80 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS INTENDED TO BE COMPLETE AND CORRECT, HOWEVER, ALL PERSONS SHALL VERIFY INFORMATION TAKEN FROM THIS DRAWING. CEB

925
920
915
910
905

250
251
252
253
254
255
256
257
258
259
260

West Branch Alum Creek Interceptor Sewer Sta. 245+00 to Sta. 253+35

40-D

PLAN — SURVEYED | DRAWN | NOTE BOOK | No. 74-65 | ALIGNMENT CHECKED | RT. OF WAY CHECKED | DATE | BY

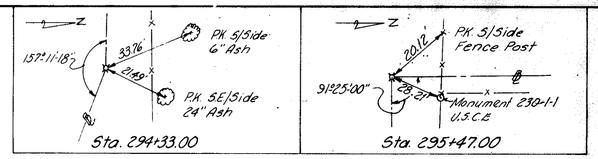
PROFILE — SURVEYED | DRAWN | NOTE BOOK | No. 74-65 | GRADES CHECKED | R. W's NOTED | UNDERGROUND LOCATIONS CHECKED | DATE | BY

REVISIONS — U-23-77 REVISED PUMP STATION LOCATION

BURGESS & NIPLE, INC.
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR SANITARY SEWER
WEST BRANCH STA. 296+88 TO STA. 305+00

SCALE 1" = 5' VERT, 1" = 50' HOR | DRAWN BY DFC | CHECKED BY E.D.S. | DATE APRIL, 1975 | SHEET 14 OF 31



℄ Reference Points

~ Bench Mark ~
R.R. Spike East Side 14" Walnut
Sta. 295+24, 122' Lt.
Elev. 910.73

ANTHONY FRACASSO &
BETTE JAYNE FRACASSO

DELAWARE COUNTY

EVANS INVESTMENT INC.

Proposed 15" SAS

Proposed 21" SAS Pipeline

SAS 298

SAS 299

Woods

Monument 230-1-1 U.S. Army Corps of Engineers

Contract ST4-1 Part A To make connection

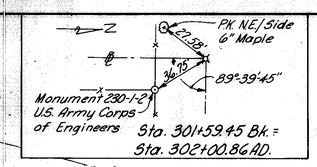
NOTE: Trees on Evans Investment Property may be removed if necessary.

Permanent Easement

Woods

Monument 230-1-2 U.S. Army Corps of Engineers

Reference Point



M.H. 60
Sta. 301+59.45 Bk. =
Sta. 302+00.86 AD.
T.C. 925.00

50' Construction Easement

300 301 302 303 304

89°39'45"

10'

Permanent Easement

Brush

50' Construction Easement

MATCH LINE STA. 305+00 SHEET #15

RUTH K. HENSON

N

20' Permanent Easement

℄ Proposed 8" Force Main Contract "ST4-1" Part B

291 292 293

50' Construction Easement

USA

REVISED 3-80 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS INTENDED AS AN AID TO ACCURATE AND ECONOMICAL DESIGN, IT IS NOT TO BE SHALL VERIFY INFORMATION TAKEN FROM THIS DRAWING. CEG

~ Bench Mark ~
R.R. Spike West Side 12" Wild Cherry
Sta. 302+15, 25' Rt.
Elev. 923.82

925 920 915 910 905 900 895 890 885

Proposed Grade

STATION EQUATION
Inv. 886.36 (In)
Inv. 885.40 (Out)

294 295 296 297 298 299 300 301 302 303 304 305

294 295 296 297 298 299 300 301 303 304 305

911.0 913.2 917.5 920.6 922.8 924.3 923.9 923.0 920.9 920.7 920.8

146 140 132 126 120 114 108 102 96 90 84 78 72 66 60 54 48 42 36 32

299.14' of 24" @ 0.17% Cl. IV

G1245 06 Cl. IV

West Branch Alum Creek Interceptor — Sta. 296+88 to Sta. 305+00

40-D

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 305+00 TO STA. 320+00 BACK

8-19-77 Revisions — Profile Hid

SCALE	DRAWN BY	DATE	SHEET
1" = 5' VERT. 1" = 50' HOR	DFC CHECKED BY EDS	APRIL, 1975	15 OF 31

PLAN — SURVEYED, PLOTTED, NOTE BOOK, No., ALIGNMENT CHECKED, ST. OF WAY CHECKED, BY, DATE

PROFILE — SURVEYED, PLOTTED, NOTE BOOK, GRADES CHECKED, R. W.'s NOTED, No., STRUCTURE NOTATIONS CHECKED, BY, DATE

Reference Points

Sta. 306+10.48: 89°-46'-42" — 60.91' — 128°-30'-28" — 38.41' — Monument 230-2-1 U.S. Army Corps of Engineers — Monument 223-1 U.S. Army Corps of Engineers

Sta. 310+31.86: 48.15' — 89°-51'-54" — 45.55' — P.K. N/Side 6" Wild Cherry — P.K. N/Side 5" Wild Cherry

Reference Points

Sta. 315+45.04: 135°-48'-30" — 48.89' — 43.42' — P.K. NW/Side 10" Walnut — P.K. N/Side 8" Elm

Sta. 319+53.77: P.K. S/Side 6" Ash — 173°-46'-30" — 26.98' — 12.43' — 39°-57' — Monument 230-3-1 U.S. Army Corps of Engineers — S.R.R. Spike W/Side 10" Ash

~Bench Mark~
R.R. Spike West side 14" Maple
Sta. 306+42, 36' Rt.
Elev. 923.87

~ Bench Mark ~
R.R. Spike East side 12" Hickory
Sta. 312+20, 25' Rt.
Elev. 913.69

RUTH K. HENSON — U.S.A. — A&A F. PIATT

MH 62
Sta. 310+31.86
I.P. Set
T.C. 919.50

MH 63
Sta. 315+45.04
I.P. Set
T.C. 912.40

MH 64
Sta. 319+53.77
I.P. Set
T.C. 923.40

MH 61
Sta. 306+10.48
I.P. Set
T.C. 924.00

Monument 230-2-1 U.S. Army Corps of Engineers

Monument 230-3-1 U.S. Army Corps of Engineers

Monument 223-1 U.S. Army Corps of Engineers

℄ Proposed 24" SAS

50' Construction Easement

15' Permanent Easement

Brush and Woods

20' Permanent Easement

Brush

Woods

89°-46'-42"

135°-48'-30"

173°-46'-30"

89°-51'-54"

Sta. 318+10, 6" Wye Connected to Ex. 6" PVC from Comfort Station

Proposed Road (By Others)

20' Construction Easement

30' Construction Easement

BM

MATCH LINE — SHEET #14 — STA. 305+00

MATCH LINE — SHEET #16 — STA. 320+00 BACK

Manholes: 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319

N

3-80

CEG

Existing Ground Over ℄ Sewer

Inv. 886.11 (In)
Inv. 886.11 (Out)
110.46' of 24" @ 0.17% Cl IV

Inv. 886.68 (In)
Inv. 886.28 (Out)
401.38' of 24" @ 0.12% Cl IV

Inv. 887.36
513.18' of 24" @ 0.11 % Cl IV

Inv. 887.83
408.73' of 24" @ 0.11 % Cl IV

46.23' of 24" @ 0.21% Cl IV

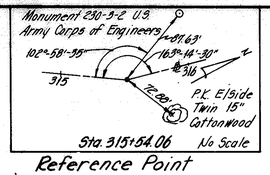
+10.48 MH 61
+31.86 MH 62
+45.04 MH 63
+53.77 MH 64

PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta 305+00 to Sta 320+00 Back

40-D

~ Bench Mark ~
Railroad Spike in N/side
8" Ash 75' Right of Baseline
Sta. 320+84. Elev. 913.21



Reference Point



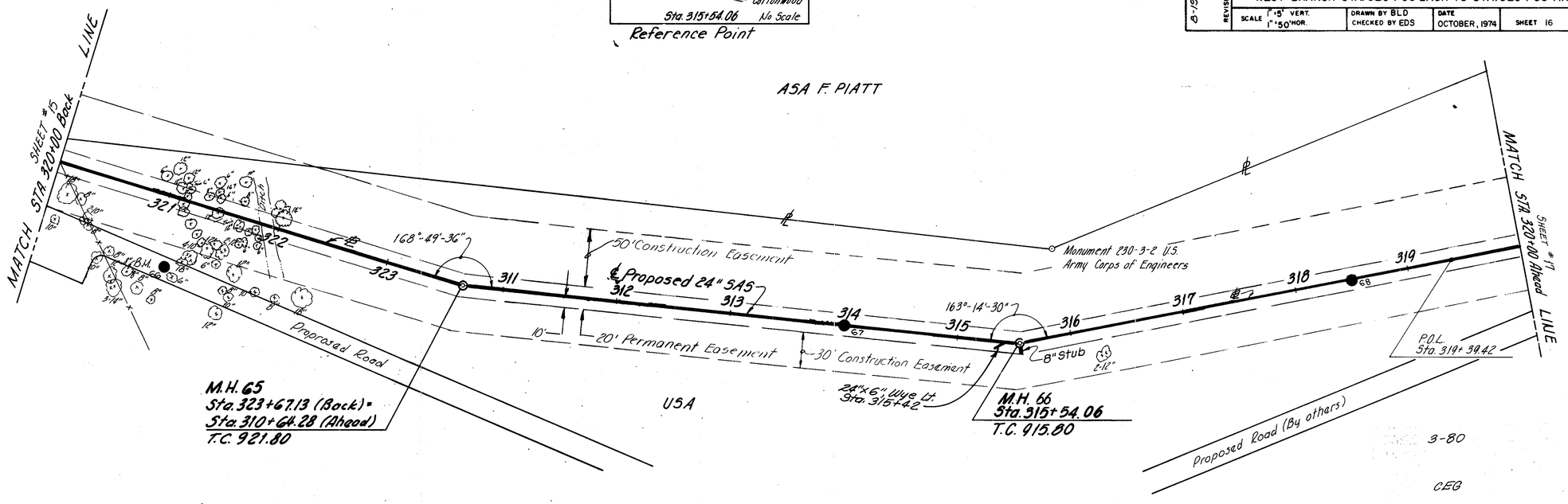
REVISIONS	BY	DATE
8-19-77 Profile Mod.		

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 320+00 BACK TO STA. 320+00 AHEAD

SCALE	DRAWN BY	DATE	SHEET
1"=5' VERT. 1"=50' HOR.	BLD CHECKED BY EDS	OCTOBER, 1974	SHEET 16 OF 31

PLAN — SURVEYED: PLOTTED: NOTE BOOK: ALIGNMENT CHECKED: No. RT. OF WAY CHECKED: — BY: DATE:



3-80
CEG

PROFILE — SURVEYED: PLOTTED: NOTE BOOK: GRADES CHECKED: No. M.H. NOTED: STRUCTURE LOCATIONS CHECKED: — BY: DATE:

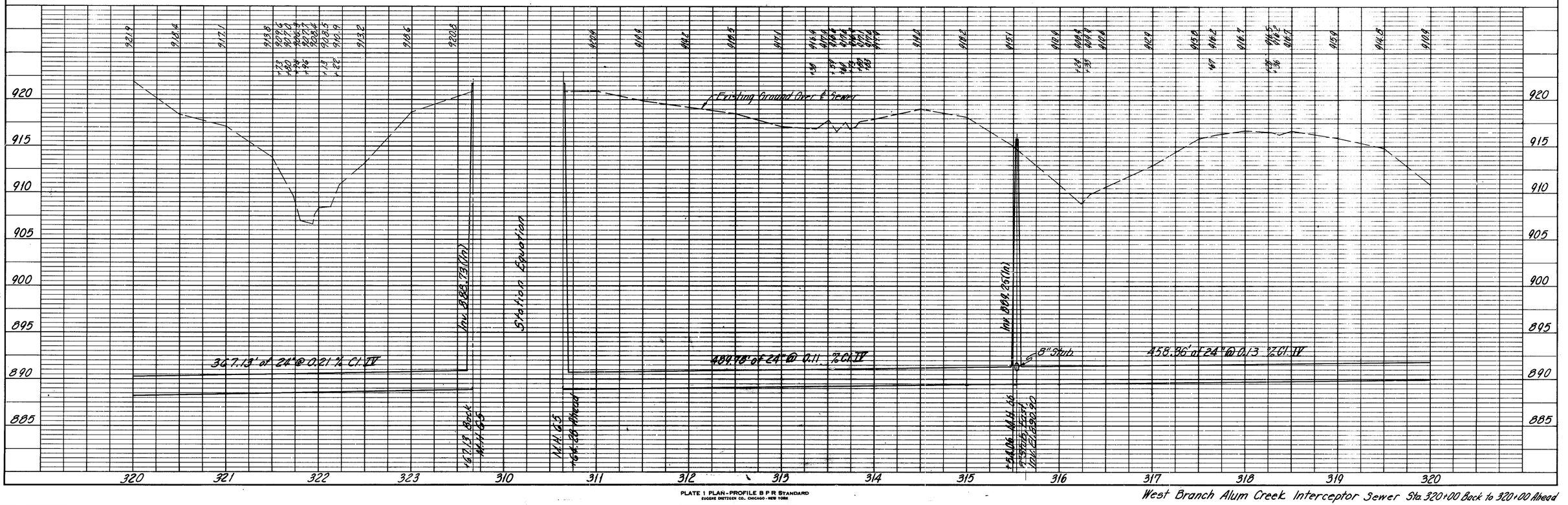


PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 320+00 Back to 320+00 Ahead

40-D

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR SANITARY SEWER
WEST BRANCH STA. 320+00 AHEAD TO STA. 335+00

SCALE: 1"=5' VERT. 1"=50' HOR. | DRAWN BY BLD | CHECKED BY EDS | DATE OCTOBER, 1974 | SHEET 17 OF 31

REVISIONS: 8-19-74 Profile Modified 12-27-74 Stub & Plug added @ MH 67.

PLAN — SURVEYED. PLOTTED. DRAWN BY. CHECKED. AS-BUILT CHECKED. NOTE BOOK No. 74-36 — DATE / BY / ST. OF WAY CHECKED.

PROFILE — SURVEYED. PLOTTED. DRAWN BY. CHECKED. AS-BUILT CHECKED. NOTE BOOK No. 74-36 — DATE / BY / STRUCTURE NOTATIONS CHECKED.

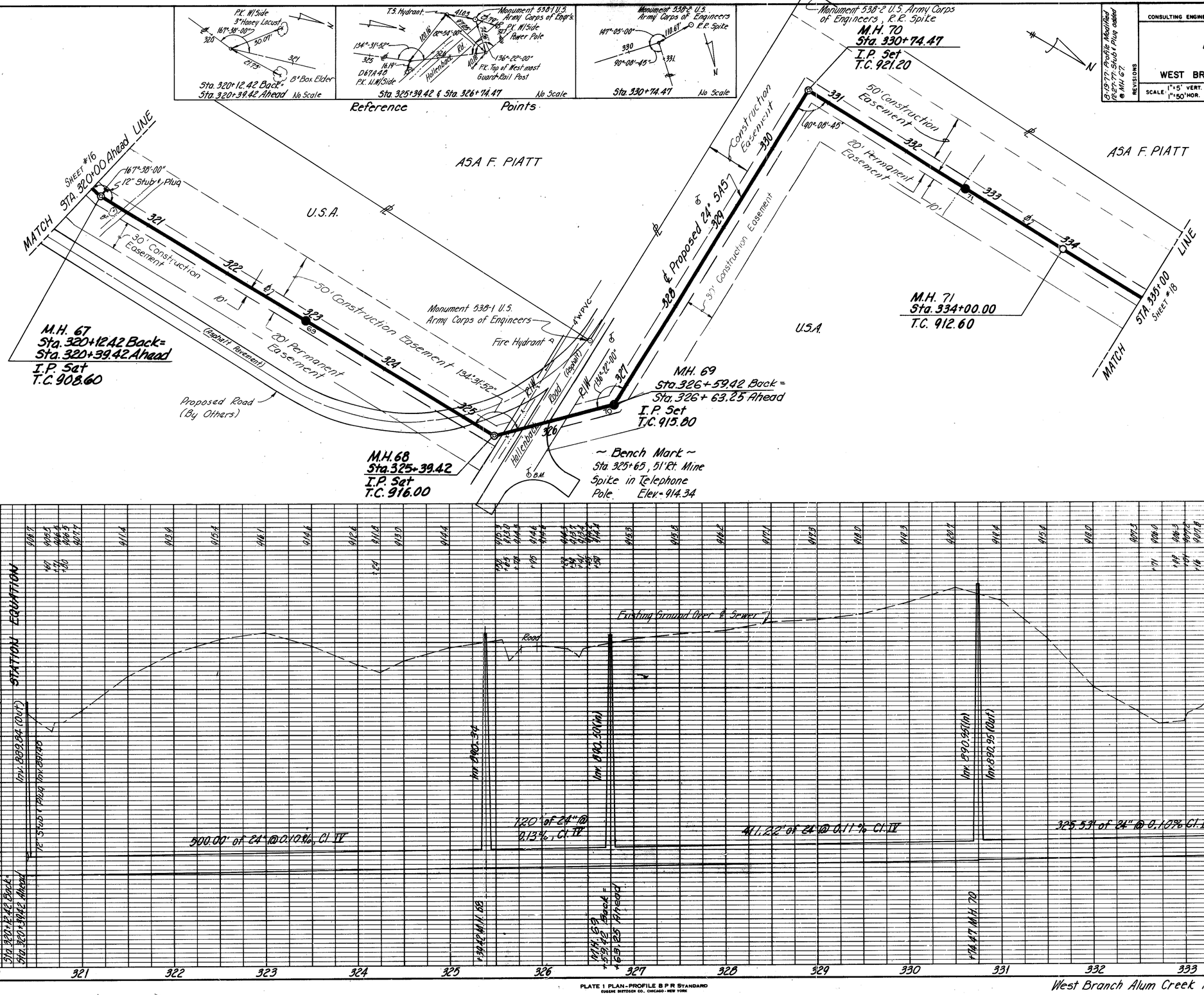


PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 320+00 to Sta. 335+00

40-D

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR SANITARY SEWER
WEST BRANCH STA. 335+00 TO STA. 350+00

REVISIONS: 8-19-77 Profile Hold

SCALE: 1" = 5' VERT. 1" = 50' HOR. | DRAWN BY BLD | CHECKED BY EDS | DATE OCTOBER, 1974 | SHEET 18 OF 31

PLAN — SURVEYED ... PLOTTED ... DESIGN CHECKED ... QUANTITY CHECKED ... NOTE BOOK ... R. W.'s NOTED ... RT. OF WAY CHECKED ... No. 74-16

PROFILE — SURVEYED ... PLOTTED ... DESIGN CHECKED ... NOTE BOOK ... R. W.'s NOTED ... STRUCTURE NOTATIONS CHECKED ... No. 74-16

ASA F. PIATT

JOSEPH De MARCHI

WILLIS & HARRIET KISER

USA

Sheet # 17 STA. 335+00 LINE — MATCH

Reference Point
Pk. E/Side Twin 8" Wild Cherry
162°-25'-05"
153.06'
340
341
P.O.L.
140.52'
120.00'
Pk. W/Side Fence Post
Sta. 340+71.54
No Scale

~Bench Mark~
R.R. Spike in South side Twin 10" Wild Cherry
Sta. 342+16, 50' Lt.
Elev. 922.97

Reference Point
Monuments * U.S. Army Corps of Engineers
*529-2
*529-1
*529-3
117°-34'-10"
135.39'
98.84'
33°-42'-00"
86.22'
351
117°-30'-50"
P.O.L.
Sta. 349+91.78
No Scale

N

Monument 529-1 U.S. Army Corps of Engineers

Monument 529-2 U.S. Army Corps of Engineers

50' Construction Easement

℄ Proposed 24" SAS

20' Permanent Easement

10'

336 — 337 — 338 — 339 — 340 — 341 — 342 — 343 — 344 — 345 — 346 — 347 — 348 — 349

P.O.L. Sta 335+72.93 I.P. Set

P.O.L. Sta. 340+71.54 I.P. Set

P.O.L. Sta 343+07.88 I.P. Set

P.O.L. Sta 349+91.78

M.H. 72 Sta. 339+00.00 T.C. 917.20

M.H. 73 Sta. 343+00.00 T.C. 921.10

M.H. 74 Sta. 347+70.89 I.P. Set T.C. 908.50

90°-00'-00"

20' Construction Easement

MATCH — Sheet # 19 STA. 350+00 LINE

3-80

CEG

400.00' of 24" @ 0.12%, Cl. IV

400.00' of 24" @ 0.10 %, Cl. IV

490.89' of 24" @ 0.10%, Cl. IV

229.11' of 24" @ 0.13%, Cl. IV

Existing Ground Over ℄ Sewer

+00.00 MH 72 Inv. 892.64

+00.00 MH 73 Inv. 892.03

+70.89 MH 74 Inv. 893.30

Inv. 893.40

920 915 910 905 900 895 890

335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350

PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 335+00 to Sta. 350+00

40-D

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 350+00 TO STA. 365+00

REVISIONS	SCALE: 1"=5' VERT. 1"=50' HOR.	DRAWN BY BLD CHECKED BY EDS	DATE OCTOBER, 1974	SHEET 19 OF 31

12-21-77: Stub Plug added at M 477
8-19-77 Profile Hatch

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, EL. OF WAT CHECKED, NOTE BOOK, No. 74-16, DATE, BY

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, & W.L.'s NOTED, STRUCTURE MODIFICATIONS CHECKED, NOTE BOOK, No. 74-16, DATE, BY

M.H. 76
Sta. 359+70.26
I.P. Set
T.C. 919.40

M.H. 77
Sta. 362+00.47
I.P. Set
T.C. 919.10

~ Bench Mark ~
R.R. Spike East side 18" Cottonwood
Sta. 365+90, 55' Lt.
Elev. 906.27

USA

EVANS INVESTMENT CO.

WILLIS & HARRIET KISER

Construction Easement
20' Permanent Easement
℄ Proposed 24" SAS
℄ SAS 7
30' Construction Easement
12" Stub & Plug
157°-02'-20"
Monument 528-3 U.S. Army Corps of Engineers
Monument 528-1 U.S. Army Corps of Engineers
Field B
End Crop
Survey ℄
365°-10'-20"
Sta. 366+87.62
SHEET #20 STA. 365+00 LINE
MATCH
STA. 359+00 LINE
SHEET #18 STA. 350+00 LINE
MATCH
50° 00' 00"
100°-06'-00"
10'-0"

Reference Point
Sta. 359+70.08
Sta. 358+57.08 P.O.L.
138°42'35"
Monument 528-3 US Army Corp of Engineers
100°06'00"
Sta. 358+57.08
No Scale

20' Permanent Easement
30' Construction Easement
℄ Proposed 24" SAS
91°-51'-20"
50' Construction Easement
Sta. 358+57.08 P.O.L.
End Crop
Field A
4-6"
M.H. 75
STA. 353+91.24 Back=
STA. 353+71.24 Ahead
I.P. Set
T.C. 918.80
Monument 528-2 U.S. Army Corps of Engineers
STA. 359+00 LINE
MATCH

Reference Point
91°-51'-20"
154°-22'-15"
110.00'
Monument 528-2 U.S. Army Corps of Engineers
Sta. 353+91.24 Back=
Sta. 353+71.24 Ahead
No Scale

REVISED 3-80 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS INTENDED TO BE COMPLETE AND ACCURATE, HOWEVER, B & N, INC. SHALL VERIFY INFORMATION TAKEN FROM THIS PLAN.
CSC

STATION EQUATION

Existing Ground Over ℄ Sewer

See Sheet # 30 For Details
135' Ductile Iron Pipe 24" @ 0.12%
32.5' of 24" @ 0.13%
162.03' of 24" @ 0.13%
Cl. IV
2296.1' of 24" @ 0.10%, Cl. IV
599.62' of 24" @ 0.14%, Cl. IV
391.24' of 24" @ 0.13%, Cl. IV
Inv. 895.43
Inv. 895.33
Inv. 894.77
12" Stub & Plug Inv. 894.62
Inv. 894.20
Inv. 894.10
Inv. 894.31
Sta. 353+71.24 Ahead
Inv. 894.21
Sta. 353+91.24 Back
MH 75

920 915 910 905 900 895 890

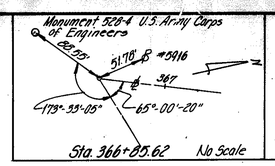
365 364 363 362 361 360 359 358 357 356 355 354 353 352 351 350

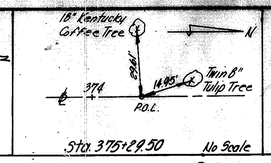
PLATE 1 PLAN-PROFILE B P R STANDARD
BARNES PATTERSON CO., CHICAGO - NEW YORK

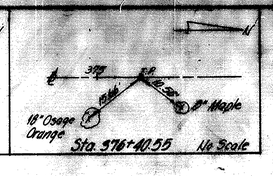
West Branch Alum Creek Interceptor Sewer Sta. 350+00 to Sta. 365+00

40-D

~Bench Mark~
"□" cut in top stone culvert
Southeast corner. Sta. 367+85
59' Lt. Elev. 907.68







~Bench Mark~
R.R. Spike North side
Telephone pole
Sta. 379+00.72' Rt.
Elev. 913.97

N

8/8/74 Prof. & Plan Revised as built per Mun. Engr.	
CONSULTING ENGINEERS	BURGESS & NIPLE, LIMITED — COLUMBUS, OHIO
DELAWARE COUNTY, OHIO	
ALUM CREEK INTERCEPTOR	
SANITARY SEWER	
WEST BRANCH STA. 365+00 TO STA. 380+00	
SCALE: 1"=5' VERT. 1"=50' HOR.	DRAWN BY BLD CHECKED BY EDS — DATE OCTOBER, 1974 — SHEET 20 OF 31

PLAN
SURVEYED
NOTE BOOK
No. 74-26
DRAWN
ALIGNMENT CHECKED
R. OF WAY CHECKED
DATE | BY

Reference Points

JAMES LA MOREAUX

PAUL BOYD

ROXIE BELL AKA
ROXIE BELL MURNANE

Monument 528-4 U.S. Army Corps of Engineers

Sta. 366+85.62

65°-00'-20"

Survey ℄

150'

12" Stub Plug

90°

Permanent Easement

10'

372

373

374

375

376

377

378

379

℄ Proposed 21" SAS

21"x6" Wye Sta. 373+42

℄ RIW

50' Construction Easement

65°-00'-20"

366

℄ Proposed 24" SAS

20' Permanent Easement

30' Construction Easement

MATCH STA 365+00 SHEET #19 LINE

P.O.L. Sta. 371+40.67

P.O.L. Sta. 373+62.60

P.O.L. Sta. 375+29.50

M.H. 78
Sta. 366+87.92 Back
Sta. 370+97.61 Ahead
I.P. Set
T.C. 918.00

USA

M.H. 79
Sta. 376+00.00
T.C. 921.50

Peachblow Rd. - C.R. 90 ℄

151°-02'-00"

151°-12'-25"

Survey ℄ Sta. 377+98.54 "
Sta. ℄ 29.76.00
Reloc. C.R. 10

℄ Relocated C.R. 10

U&T

Survey ℄ Sta. 376+40.55
I.P. Set

Abandoned Drive

21"x6" Wye Sta. 379+62

30' Construction Easement

℄ B.M.

STA. 380+00 SHEET #21 LINE MATCH

PROFILE
SURVEYED
NOTE BOOK
No. 74-26
DRAWN
FIGURE CHECKED
R. W.'s NOTED
STRUCTURE LOCATIONS CHECKED
BY | DATE

STATION EQUATION

Existing Ground Over ℄ Sewer

187.92' of 24" @ 0.13%, Cl. IV

302.38' of 21" @ 0.12%, Cl. IV

400.00' of 21" @ 0.12%, Cl. IV

Concrete Encasement

1.00 Drop MH 79 Sta. 376+00.00

REVISED 3-80 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS INTENDED TO BE COMPLETE AND CORRECT. HOWEVER, ALL PERSONS SHALL VERIFY FOR THEMSELVES ALL DATA FROM THIS DRAWING. CEG

920 915 910 905 900 895

365 366 371 372 373 374 375 376 377 378 379 380

PLATE 1 PLAN PROFILE & STRUCTURE DETAILS

West Branch Alum Creek Interceptor Sewer Sta. 365+00 to Sta. 380+00

2

40-D

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO

ALUM CREEK INTERCEPTOR SANITARY SEWER

WEST BRANCH STA. 380+00 TO STA. 394+00

REVISIONS: 8-19-77 Stub & Plug added to M.H. 81 — R. A. Pile Mgr.

SCALE 1" = 5' VERT. 1" = 50' HOR. | DRAWN BY J.D.M. CHECKED BY EDS | DATE OCTOBER, 1974 | SHEET 21 OF 31

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O. WAY CHECKED, NOTE BOOK, No., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B. M.'s NOTED, STRUCTURE LOCATIONS CHECKED, NOTE BOOK, No., BY, DATE

— Bench Mark —
Top of Concrete Monument
U.S. Army Corp of Engineers
Stamped 5-R. Elev. 919.919

USA

MATCH LINE STA. 380+00 — SHEET # 20

MATCH STA. 394+00 LINE — SHEET # 22

T.S. Sta 6+91.57

S.C. Sta. 9+41.88

112°17'05"

85°

Asphalt Pavement

Construction Easement

40' R/W

21"x 6" Wye Sta. 381+56

Monument 519+1 U.S. Army Corp of Engineers

UGT

R/W

M.H. 80
380+96.39
30' Rt of ℄ Sta 5+50
T.C. 913.20

M.H. 81
384+92.32
40' Rt. of ℄ Sta. 9+41.88
T.C. 912.60

18" Stub & Plug

℄ Relocated C.P. 10

℄ Proposed 21" SAS

M.H. 82
Sta. 387+57.35
19' Rt. of Sta. 12+00 On Relocated C.P. 10
T.C. 905.60

18" Stub & Plug

108" Conduit

M.H. 83, Detail Sheet 31
Sta. 391+63.98
19' Rt of ℄ Sta. 16+00
T.C. 903.95

N 17°28'36" E

N 47°18'35" W

R/W

Rt Sta. 15+65.38

B.M. — Monument 5-R U.S. Army Corp of Engineers

Note: Beginning with M.H. 80, all M.H.'s are referenced off of Relocated C.P. 10, Center line stationing.

3-80
CEG

Existing Ground Over ℄ Sewer

914.0 912.5 913.2 912.8 912.0 911.10 911.10 910.4 910.1 911.8 913.0 907.72 906.82 905.0 906.8 906.0 905.0 905.0 905.0 905.0 905.0 905.0 905.0 905.0 905.0 905.0 905.0 905.0 905.0

920 915 910 905 900 895 890 885

380 381 382 383 384 385 386 387 388 389 390 391 392 393 394

76.39 of 21" @ 0.12% Cl. III

390.93' of 21" @ 0.12% Cl. III

265.03' of 21" @ 0.12% Cl. III

406.43' of 21" @ 0.12% Cl. III

236.02' of 21" @ 0.12%, Cl. III

384.81' of 30" Conduit Inv. 896.19

384.81' of 30" Conduit Inv. 896.05

107.25' of 30" Conduit Inv. 896.05

463.98' of 30" Conduit Inv. 898.69

108" Conduit Inv. 885.20

897.28 897.34 897.48 897.52 897.55 897.64 897.70 897.76 897.82 897.95 898.07 898.13 898.25 898.31 898.37 898.43 898.49 898.55 898.61 898.67 898.73 898.79 898.85 898.91 898.97

PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 380+00 to Sta. 394+00

40-D

~Bench Mark~
R.R. Spike South side 6" Elm
℄ C.R.10. Sta. 22+30, 47' Rt.
Elev. 904.93

USA

M.H. 84, Detail Sheet 31
Sta. 395+58.13
19' Rt of ℄ Sta. 19+87.72
T.C. 904.19

M.H. 85, Detail Sheet 31
Sta. 398+72.47
19' Rt of ℄ Sta. 23+00
T.C. 904.83

Underground Telephone Cable Approximately 10' deep in this area.

M.H. 87
Sta. 402+55.91
40' Lt. of Sta. 26+59
T.C. 909.20

Construction Easement
10' Easement
30'

U.S. Army Corp of Engineers Monument 521-1

M.H. 88 (Type "B" M.H)
Sta. 405+99.19
40' Lt of ℄ Sta. 30+00
T.C. 920.20

℄ Proposed 18" SAS
12" Stub & Plug

Asphalt Pavement

℄ Relocated C.R.10

℄ Proposed 21" SAS

Existing 8" P.V.C. SAS
6" Drop 2.83

M.H. 86 (Type "B" M.H.
Sta. 401+72.47
19' Rt of Sta. 26+00
T.C. 909.20

C.S. Sta. 19+87.72
S.T. Sta. 22+37.72
T.S. Sta. 27+72.92
S.C. Sta. 29+72.92

Granular Backfill
Sta. 401+78 to Sta. 402+18

158.13' of 21" @ 0.12% Cl. IV
314.34' of 21" @ 0.12% Cl. IV
300' of 21" @ 0.12% Cl. IV
38.01' of 21" @
8" = 903.60 S
0.10% Cl. II
6" Drop, 900.77
343.28' of 18" @ 0.82% Cl. IV
200.81' of 18" @ 0.20% Cl. III
S=8.0
CFG

PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 394+00 to Sta. 408+00

40-D

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO
DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA. 394+00 TO STA. 408+00
SCALE 1"=5' VERT. 1"=50' HOR. | DRAWN BY J.D.M CHECKED BY EDS | DATE OCTOBER, 1974 | SHEET 22 OF 31
REVISIONS: 8-19-77: Profile Mod @ MH 86 Relocated Plug added @ MH 88

PLAN: SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ NOTE BOOK ___ No. ___ RT. OF WAY CHECKED ___ BY ___ DATE ___

PROFILE: SURVEYED ___ PLOTTED ___ GRADES CHECKED ___ NOTE BOOK ___ No. ___ & ALL NOTED ___ STRUCTURE ELEVATIONS CHECKED ___ BY ___ DATE ___

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO

ALUM CREEK INTERCEPTOR SANITARY SEWER

WEST BRANCH STA. 408+00 TO STA. 422+00

REVISIONS

SCALE: 1"=5' VERT. 1"=50' HOR.	DRAWN BY J.D.M. CHECKED BY EDS	DATE OCTOBER, 1974	SHEET 23 OF 31

~ Bench Mark ~
R.R. Spike South side 6" Crabapple
℄ C.R.10 Sta. 35+00, 43' Rt.
Elev. 923.31

~ Bench Mark ~
R.R. Spike South side 6" Elm
℄ C.R.10 Sta. 43+08, 43' Rt.
Elev. 927.54

N 47°18'35" W

N 1°28'16" W

P.I. Sta. 38+43.03

M.H. 89 (Type "B" M.H.)
409+07.62
70' Lt of ℄ Sta. 33+00
T.C. 927.50

M.H. 90
Sta. 414+20.08
50' Lt of ℄ Sta. 38+00
T.C. 932.25

M.H. 91
Sta. 418+27.54
40' Lt of ℄ Sta. 42+00
T.C. 927.50

℄ Proposed 18" SAS

U.S. Army of Corp of Engineers Monument + 521-2

U.S. Army Corp of Engineers Monument + 514-2

U.S. Army Corp of Engineers Monument + 514-3

MATCH Sta 408+00 LINE
SHEET 22

MATCH Sta 422+00 LINE
SHEET 24

65"x40" Conduit

43"x27" Conduit

℄ Relocated

℄ C.R.10

R/W

UGT

USA

CURVE DATA

P.I. Sta.	38+43.03
N	206,896.30
E	1,863,985.58
Δ	45°52'19"
D_c	2°30'00"
R_c	2291.83'
L_s	200.00'
θ_s	2°30'00"
Δ_c	40°52'19"
L	1634.88'
T_s	1070.11
E_s	197.53'
X_c	199.96'
Y_c	2.91'

3-80

CEG

PLAN
SURVEYED
PLOTTED
NOTE BOOK
No.
ALIGNMENT CHECKED
RT. OF WAY CHECKED
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADE CHECKED
NOTE BOOK
No.
STRUCTURE LOCATIONS CHECKED
BY
DATE

Existing Ground Over ℄ Sewer

107.62' of 18"@ 0.80% Cl. III

512.46' of 18"@ 0.20% Cl. IV

407.46' of 18"@ 0.20% Cl. IV

372.96' of 18"@ 0.80% Cl. IV

PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO. CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 408+00 to Sta. 422+00

40-D

~Bench Mark~
Nail North side 20" Maple
℄ C.R. 10 Sta. 50+15, 56' Lt
Elev. 929.68

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO

ALUM CREEK INTERCEPTOR SANITARY SEWER

WEST BRANCH STA. 422+00 TO STA. 436+00

REVISIONS

SCALE 1" = 5' VERT. 1" = 50' HOR. | DRAWN BY J.D.M CHECKED BY EDS | DATE OCTOBER, 1974 | SHEET 24 OF 31

PLAN — SURVEYED, PLOTTED, GRADES CHECKED, R. W.'s NOTED, STRUCTURE NOTATIONS CHECKED, BY, DATE, NOTE BOOK, No.

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R. W.'s NOTED, STRUCTURE NOTATIONS CHECKED, BY, DATE, NOTE BOOK, No.

M.H. 92
Sta. 422+34.01
40'Lt of ℄ Sta. 46+00
T.C. 933.50

U.S. Army Corp of Engineers Monument 514-5

U.S. Army Corp of Engineers Monument 514-A

M.H. 93
Sta. 427+36.85
70'Lt of ℄ Sta. 51+00
T.C. 924.70

℄ Proposed 18" SAS

48" Conduit

Relocated C.R.10

M.H. 94
Sta. 432+37.75
40'Lt of ℄ Sta. 56+00
T.C. 928.80

Relocated C.R. 72

Asphalt Pavement

Expose Telephone Cable

Exist. C.R. 72

MATCH LINE Sta. 422+00 — SHEET #23

MATCH LINE Sta. 436+00 — SHEET #25

R/W

UGT

USA

3-80

CEB

Granular Backfill
Sta. 434+35 to 434+70

Existing Ground Over ℄ Sewer

94.01 of 18" @ 0.20% Cl. IV

502.84' of 18" @ 0.20% Cl. IV

500.90' of 18" @ 0.30% Cl. III

362.25' of 18" @ 0.20% Cl. III

PLATE 1 PLAN-PROFILE B P R STANDARD
ENGINEERING DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 422+00 to Sta. 436+00

W-D

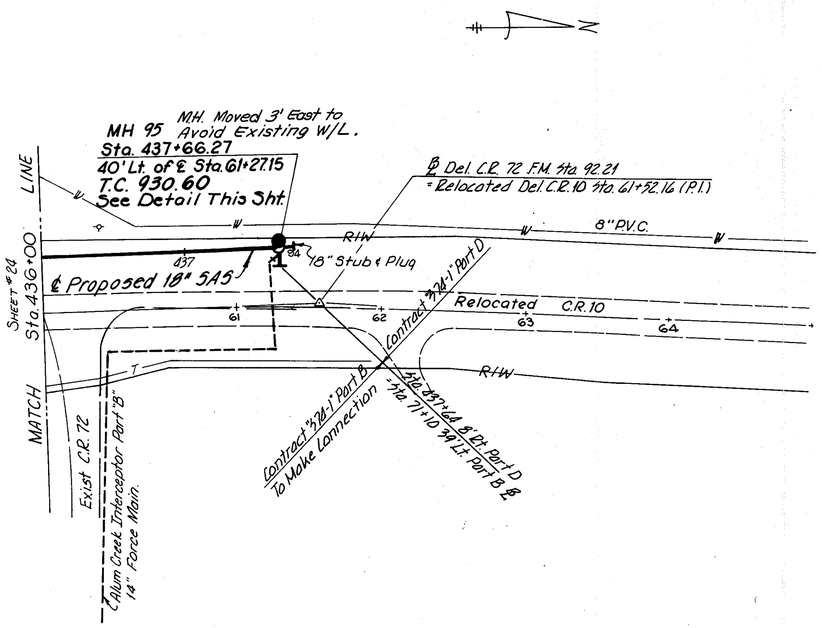
BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

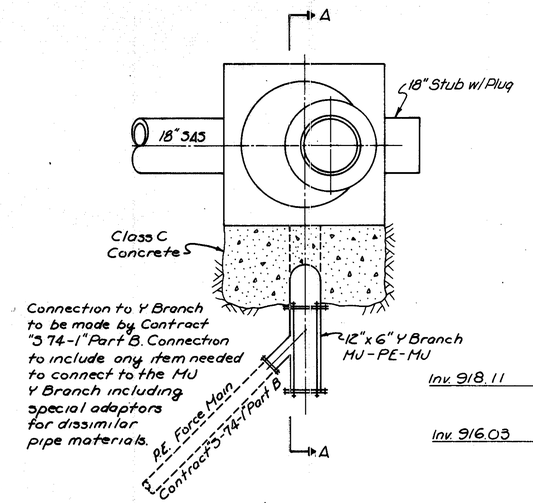
DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
WEST BRANCH STA.436+00 TO STA.437+66.27

REVISIONS: 12-27-77: Stub & Plug added @ MH 95

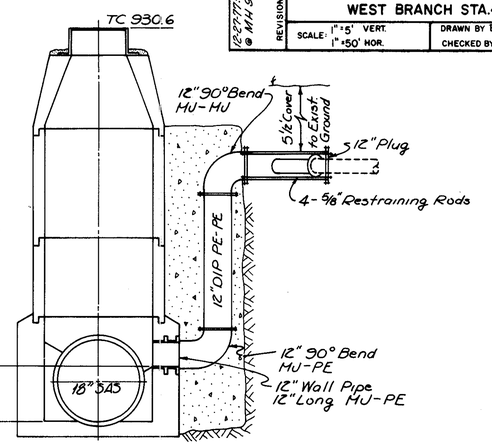
SCALE: 1"=5' VERT. 1"=50' HOR. | DRAWN BY BLD | CHECKED BY EDS | DATE OCTOBER, 1974 | SHEET 25 OF 31

PLAN — SURVEYED. PLOTTED. NOTE BOOK No. DRAWN CHECKED. R. OF WAY CHECKED. BY DATE





Detail at MH # 95
Scale: 3/8" = 1'-0"



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

3-80

CFG

PROFILE — SURVEYED. PLOTTED. NOTE BOOK No. DRAWN CHECKED. R. OF WAY NOTED. STRUCTURE NOTATIONS CHECKED. BY DATE

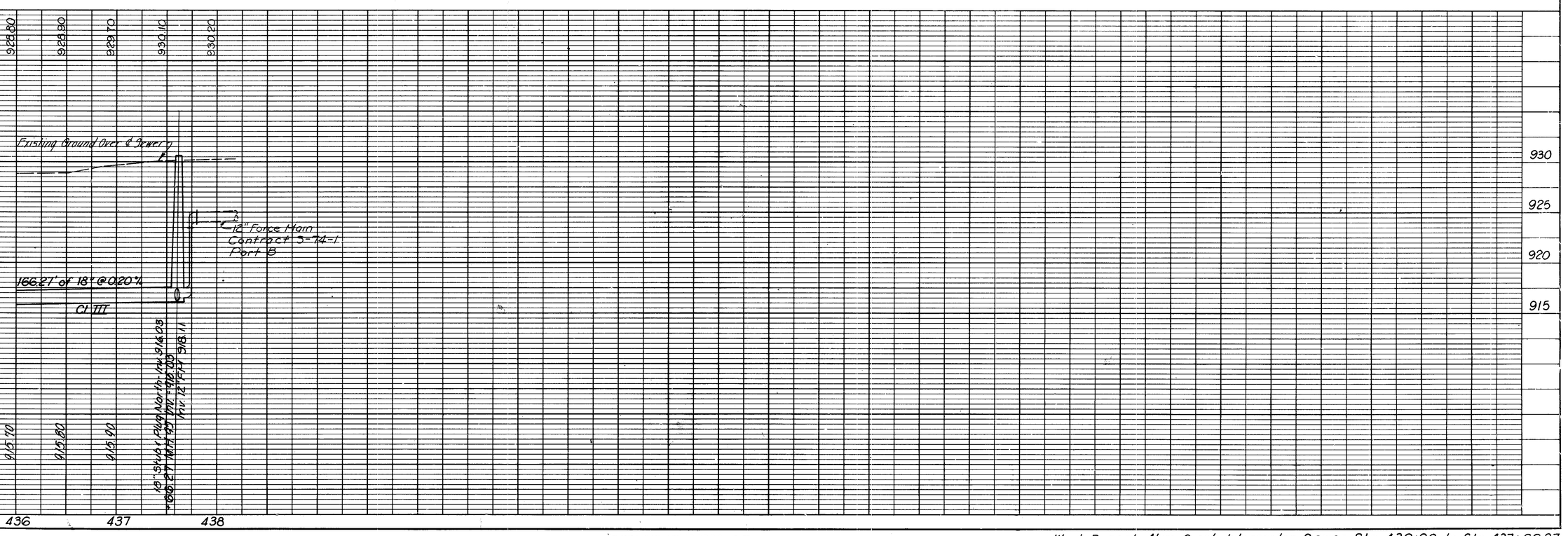


PLATE 1 PLAN-PROFILE B P R STANDARD
EUGENE DIETZGEN CO., CHICAGO - NEW YORK

West Branch Alum Creek Interceptor Sewer Sta. 436+00 to Sta. 437+66.27

40-D

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
CHESHIRE AREA STA. 0+00 S. TO STA. 1+48.36 S.
STA. 0+00 E. TO STA. 10+51.46 E.

SCALE: 1" = 6' VERT. / 1" = 80' HOR. | DRAWN BY E.R.M. | CHECKED BY EDS | DATE APRIL, 1975 | SHEET 26 OF 31

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.L.S. OR MAP CORRECTED — NOTE BOOK — No. — BY — DATE

Contract "374-1" Part A
To Make Connection

Contract "374-1" Part D

M.I.# 183
Sta. 0+10
Iron Pin Set
T.C. = 902.0

0+88

18" Stub - Plug & Block

24' Asphalt Pavement

℄ Proposed 18" SAS

Prop. Part.

M.I.# 184
Sta. 1+48.36 Back =
Sta. 0+00 Ahead (E.)
Iron Pin Set
T.C. = 905.4

85° 57' 20"

96° 20' 33"

U.G.T.

P.K. Nail

℄ Intersection
Sta. 236+20.74 (C.R. 21) =
Sta. 10+25.28 (C.R. 72)

U.S.C.E. Mon.

B.M.#1
Coleman Grocery

Res

12" Gr. Dr.

12" Storm Sewer

Inlet

I.P.

12"x6" Wye Rt. 2+40

12"x6" Wye Rt. 3+12

4" P.V.C.

W. J. SHAPTER JR.

10

HARRISON STREET (C.R. 21)

Bench Marks:
B.M.#1 - □ @ West end of Pump Island N/S Coleman Grocery - Elev. 908.44
B.M.#2 - N.W. Corner 2'x 2' conc. base for Mobile Service Station sign. Elev. 913.93

Reference Point
Sta. 1+48.36 = 0+00
No Scale
P.K. in Street Sign
Main St.
Harrison
P.K. in S.E. ℄ T.P.
21.08
Set P.K.

Reference Point
Sta. 10+51.46
No Scale
Board Fence
Wire Fence
P.K. in ℄ Buoy Pole
10.0
MAIN St.
10+51.46
RR Spike in PP

UNITED STATES OF AMERICA

H.R. & M.G. LACKEY

T.C. & J.K. POMEROY

24 21

M.I.# 186
Sta. 3+50.00
P.O.L.
T.C. = 908.6

12"x6" Wye Lt. 4+52

12"x6" Wye Lt. 5+77

Res

4" P.V.C.

12" PIPE

Storm Sewer

Inlet

12"x6" Wye Rt. 4+38

12"x6" Wye Rt. 5+32

12"x6" Wye Rt. 5+72

B.M.#2

Mobile Serv. Sta.

12"x6" Wye Rt. 6+32

F. & M.M. WHITE

11 16 35 36

ADAMS ADDITION — WHITE ADDITION

CHARLES STREET 41.25' R.O.W.

Rivet

M.I.# 187
Sta. 7+00.00
P.O.L.
T.C. = 914.1

℄ Proposed 12" SAS

12"x6" Wye Lt. 6+12

11' Asph. Dr.

12"x6" Wye Rt. 8+12

12"x6" Wye Rt. 8+68

12"x6" Wye Rt. 9+24

12"x6" Wye Rt. 9+68

D.R. & G.J. ROSS

C. & S.A. HOBBS

LITTLEMAN'S INC.

37 38 39 40

15' Gravel Road

WINTER STREET 41.25' R.O.W.

EAST STREET 33' R.O.W.

M.I.# 188
Sta. 10+51.46
Iron Pin Set
T.C. = 917.7

12" Stub - Plug & Block

℄ MAIN STREET (C.R. 72)
60' R.O.W.

N

REVISED 3-80 AS CONSTRUCTED
LAID OUT BY ... INSPECTED BY ...
C.E.Q.

Granular Backfill
Sta. 0+00E. to Sta. 2+00E.
Sta. 5+00E. to Sta. 5+22 E.
Sta. 7+35E. to Sta. 7+57E.
Sta. 0+00N. to Sta 0+40N

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.L.S. OR MAP CORRECTED — NOTE BOOK — No. — BY — DATE — STRUCTURE LOCATIONS CHECKED

925
920
915
910
905
900
895

Existing Ground above ℄ Sewer

Asphalt Pavement

Proposed Ground

℄ Underground Telephone Cable

4" P.V.C. Waterline

℄ Storm Sewer

℄ Storm Sewer

Drop Connection (8")

350.00' - 12" @ 0.50%

350.00' - 12" @ 0.43%

351.46' - 12" @ 0.38%

138.36' - 18" @ 0.78%

Cl. III

12" Stub E. - Plug & Block

+10 Inv. 897.17 (IN)
Inv. 897.34 (OUT)
Inv. 897.32 (IN)

+48.36 Back Inv. 896.91 (OUT)
+00.00 Ahead Inv. 896.91 (IN)
Inv. 896.69 (OUT)

+50.00 Inv. 899.76

+00.00 Inv. 900.85

+51.46 Inv. 902.22

0 1 0 1 2 3 4 5 6 7 8 9 10

PLATE I PLAN - PROFILE B P R STANDARD
Engrs Blatnes Co., Chicago - New York

CHESHIRE AREA ~ ALUM CREEK INTERCEPTOR — STA. 0+00 S. TO STA. 1+48.36 S. / STA. 0+00 E. TO STA. 10+51.46 E.

40-D

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR
SANITARY SEWER
CHESHIRE AREA STA. 1+48.36 S. TO STA. 4+63.45 S.
STA. 0+00 E. TO STA. 10+79.31 E.

SCALE	DRAWN BY	DATE	SHEET
1" = 5' VERT. 1" = 50' HOR.	E.R.M. CHECKED BY E.D.S.	APRIL, 1975	27 OF 31

PLAN — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. STAKED, NOTE BOOK, No., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, R.O.W. STAKED, NOTE BOOK, No., STRUCTURE NOTATIONS CHECKED, BY, DATE

Pk in Anchor Pole, P.I. Pk in ¾ Double 18" 13.62' 46.64' Pk in ¾ 18" Locust Sta. 4+63.45 = 0+00 No Scale
Reference Point

Sta. 10+79.31 Ford St. 76.89' 4"58'15" No Scale
Reference Point

M.H.# 184
Sta. 1+48.36 = Sta. 0+00 E. (Main St.)
Iron Pin Set
T.C. = 905.4

℄ MAIN STREET (C.R. 72)

℄ Intersection
Sta. 236+20.76 (C.R. 21) =
Sta. 10+25.28 (C.R. 72)

℄ HARRISON STREET (C.R. 21)

℄ Proposed 15" SAS

15" Stub-Plug & Block

M.H.# 185
Sta. 4+63.45 = Sta. 0+00 E. (Ford St.)
Iron Pin Set
T.C. = 900.5

Asphalt Pavement

24' Asphalt Pavement

E.M. & V.P. COLEMAN — R.E. & E.P. MONK — CARROLL R. CLARK — J.A. & R. MOORE

CHARLES STREET 41.25' R.O.W.

ADAMS ADDITION — WHITE ADDITION

WINTER STREET 41.25' R.O.W.

EAST STREET 33' R.O.W.

15' Gravel Road

M.H.# 189 Sta. 2+10.00 P.O.L. T.C. = 906.6

M.H.# 190 Sta. 5+40.00 P.O.L. T.C. = 913.8

M.H.# 191 Sta. 8+10.00 P.O.L. T.C. = 915.4

M.H.# 192 Sta. 10+79.31 Iron Pin Set T.C. = 921.8

M.H.# 192 Moved 3' South

B.M.# 3

B.M.# 4

℄ Proposed 8" SAS

CLOISE SMITH — L.A. & L.E. MILLER — DOROTHY LEWIS — J.A. & R. MOORE — E.M. & E. MORRIS — J.A. & R. MOORE

14' Gravel Road FORD STREET 33' R.O.W.

Granular Backfill
Sta. 1+48.36 S. to Sta. 1+90 S.
Sta. 0+23 E. to Sta. 11+60 E.

Bench Marks:

B.M.# 3 - R.R. Spike in P. Pole, N/S Ford Street ℄ E/S Harrison St. (C.R. 21) Elev. 903.68

B.M.# 4 - R.R. Spike in P. Pole # 102A119 E/S East Street @ ℄ Ford Street extended. Elev. 919.02

N

PROFILE

925 / 920 / 915 / 910 / 905 / 900 / 895 / 890

℄ Main Street (C.R. 72)

℄ Harrison Street (C.R. 21)

Existing Ground Line @ ℄

315.09' - 15" @ 0.24%
Cl. III

12" Storm

270.00' - 8" @ 0.34%

6" Drop Connection

2-15" CMP

4" PVC Waterline

8" Storm

210.00' - 8" @ 3.00%

270.00' - 8" @ 0.40%

269.31' - 8" @ 2.40%

REVISED 2-80 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS INTENDED TO BE COMPLETE AND CORRECT, HOWEVER, ALL PERSONS SHALL VERIFY INFORMATION TAKEN FROM THIS DRAWING. CEB

PLATE I PLAN AND PROFILE — PAPER STANDARD
Burgess & Niple, Limited, Columbus, Ohio, New York

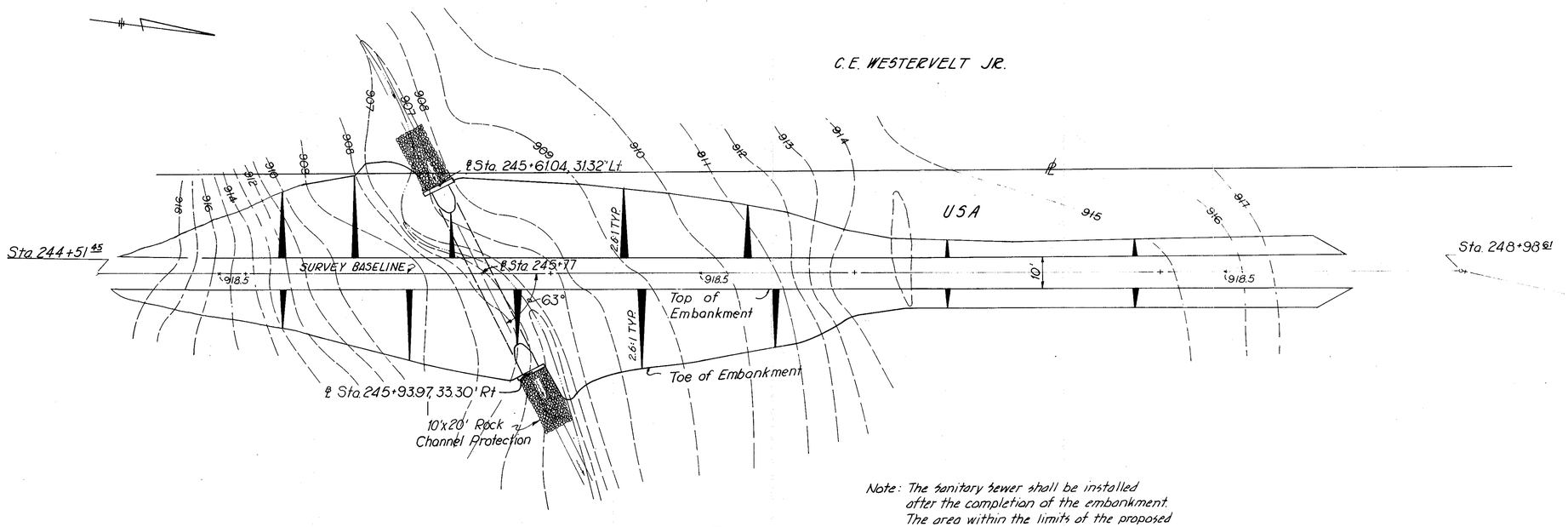
BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO

ALUM CREEK INTERCEPTOR SANITARY SEWER
EMBANKMENT AND CULVERT DETAIL

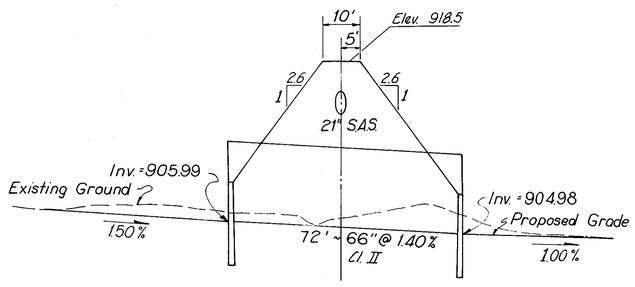
8/9/77 Title Add. REVISIONS

SCALE AS SHOWN | DRAWN BY DRK, CHECKED BY EDS | DATE DECEMBER, 1974 | SHEET 28 OF 31

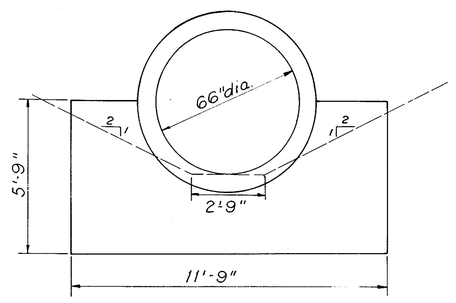


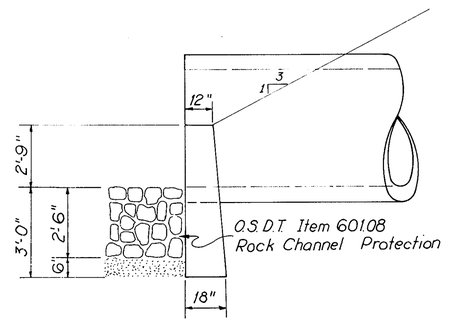
PLAN VIEW OF EMBANKMENT AND STORM CULVERT
Scale : 1" = 20'
(Plan Sheet No.)

Note: The sanitary sewer shall be installed after the completion of the embankment. The area within the limits of the proposed embankment are to be graded and seeded upon completion of the embankment. Embankment to be constructed as per Item 203, condition II, State of Ohio Department of Transportation, Division of Highways, Construction and Materials Specifications.



CULVERT PROFILE
@ BASELINE STA. 245+77
Scale: Hor. 1" = 20'
Vert. 1" = 5'



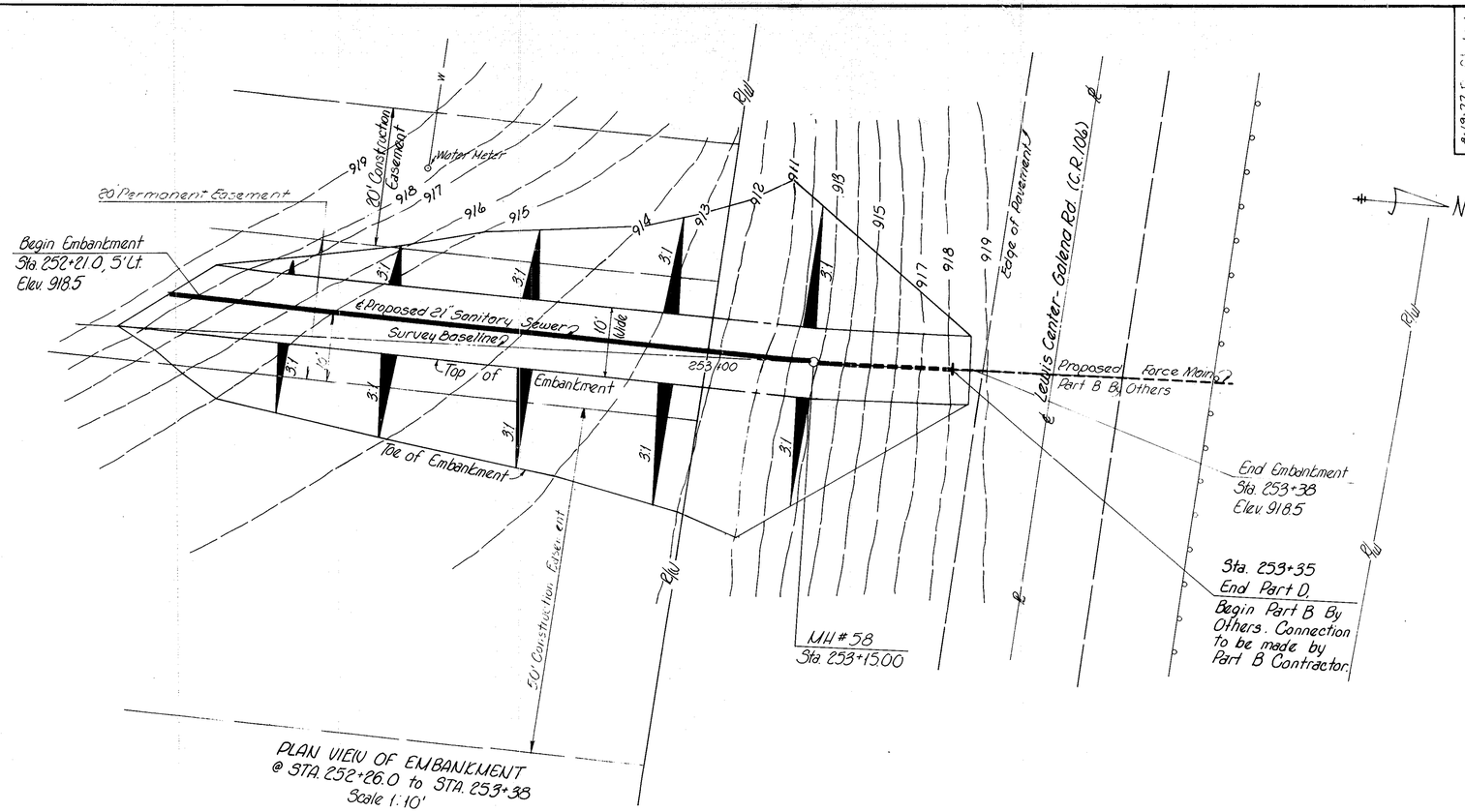


3-80

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

ALUM CREEK INTERCEPTOR EMBANKMENT AND CULVERT DETAIL STA. 245+77

F.B. 74-53 Pg. 30



PLAN VIEW OF EMBANKMENT
@ STA. 252+26.0 to STA. 253+38
Scale 1:10'

Note: The sanitary sewer shall be installed after the completion of the embankment. The area within the limits of the proposed embankment are to be graded and seeded upon completion of the embankment. Embankment to be constructed as per Item 203, condition II, State of Ohio Department of Transportation Division of Highways, Construction and Materials Specifications.

8-13-77 Profile Mod.

REVISIONS

BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO
ALUM CREEK INTERCEPTOR SANITARY SEWER
EMBANKMENT DETAIL

SCALE AS SHOWN	DRAWN BY J.E.M. CHECKED BY EDS	DATE JANUARY, 1975	SHEET 29 OF 31

Bench Mark
White painted nut on end of Guard rail post. Sta. 253+70, 87' Lt.
Elev. 921.62

3-80

ALUM CREEK INTERCEPTOR EMBANKMENT DETAIL STA. 252+26.5

000004

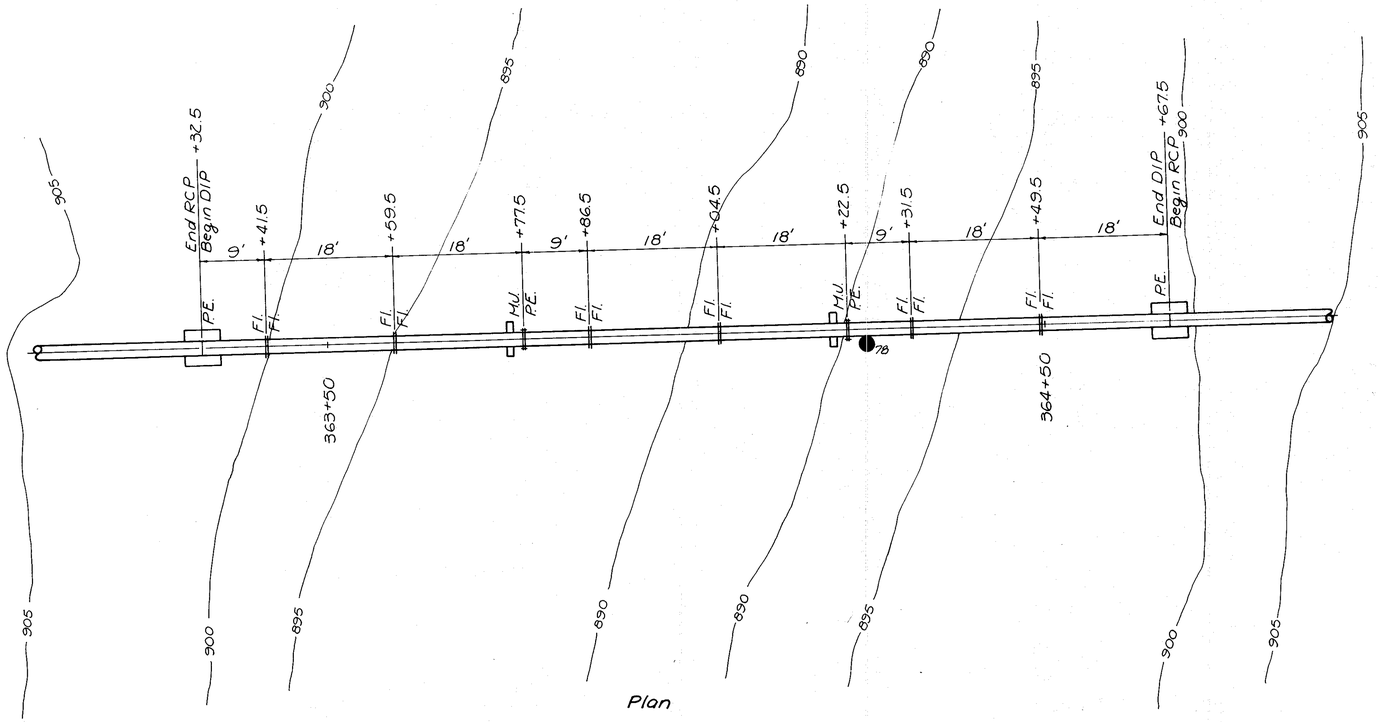
BURGESS & NIPLE, LIMITED
CONSULTING ENGINEERS — COLUMBUS, OHIO

DELAWARE COUNTY, OHIO

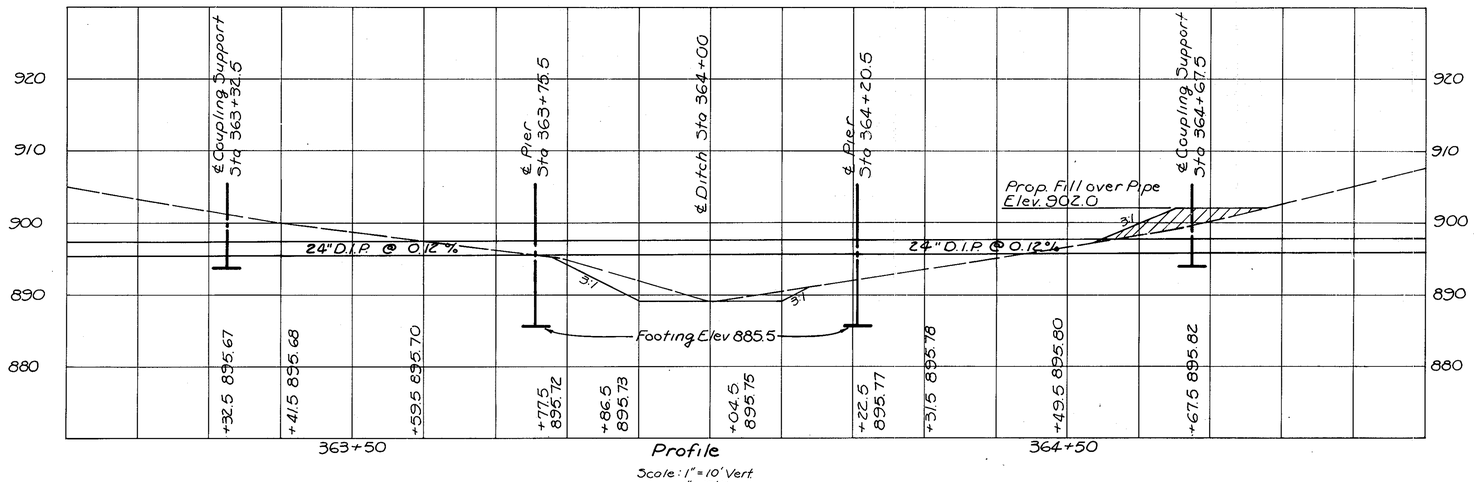
ALUM CREEK INTERCEPTOR SANITARY SEWER

AERIAL SEWER DETAIL

REVISIONS	SCALE	DRAWN BY	DATE	SHEET
8-19-77 Lic.	HOR: AS SHOWN, VERT: AS SHOWN	Breck, CHECKED BY EDS	FEBRUARY, 1975	30 OF 31

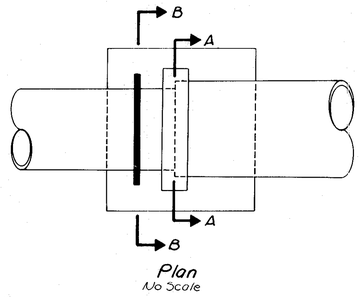


Plan



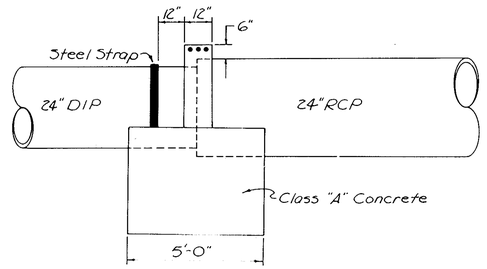
Profile
Scale: 1" = 10' Vert
1" = 10' Horiz.

3-80

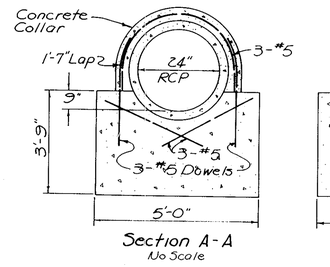


Plan
No Scale

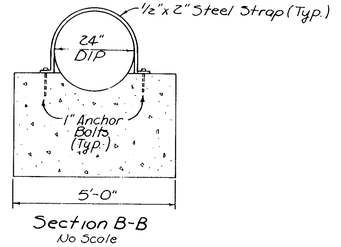
Note: The hold-down straps at these locations shall be as tight as possible to prevent any movement of the pipe.



Elevation
No Scale

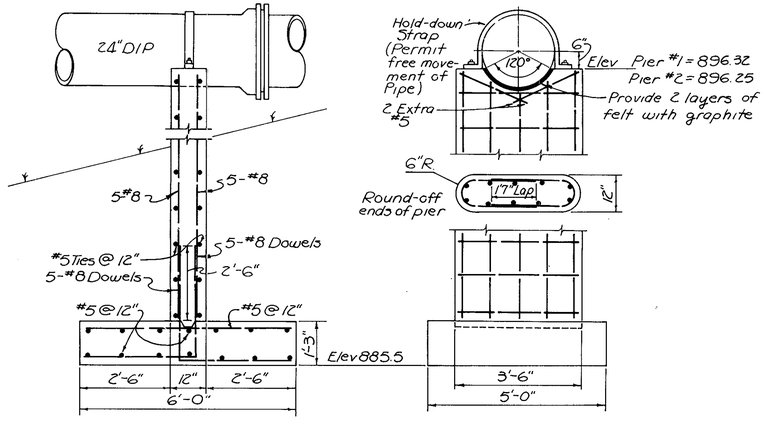


Section A-A
No Scale



Section B-B
No Scale

Note: Leave 1/2" Gap between spigot end of pipe & inside bell of MH to allow for expansion & contraction of Aerial Sewer.



Pipe Saddle Details
Scale: 1/2" = 1'-0"

000004

CONSULTING ENGINEERS — BURGESS & NIPLE, LIMITED — COLUMBUS, OHIO

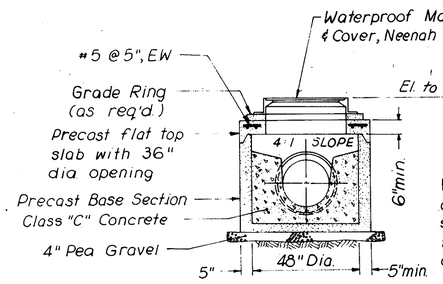
DELAWARE COUNTY, OHIO

ALUM CREEK INTERCEPTOR SANITARY SEWER

MISCELLANEOUS DETAILS

8-19-77 MISC. REVISIONS

SCALE: AS SHOWN | DRAWN BY DRK, CHECKED BY EDS | DATE: DECEMBER, 1974 | SHEET 31 OF 31

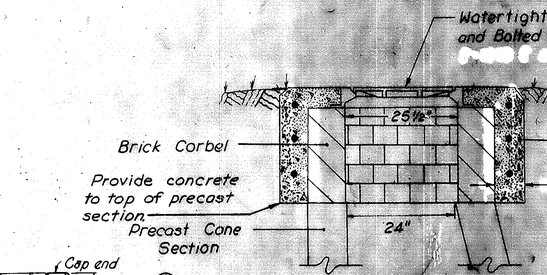


Vertical location of Pipe opening in base section shall be arranged so that top of casting matches existing grade.

MH's 83, 84 & 85

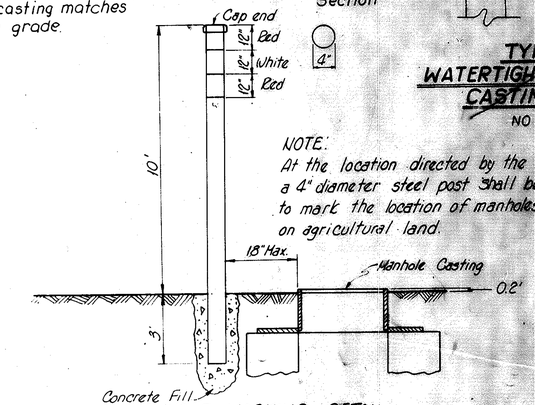
SPECIAL MANHOLE DETAIL

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



TYPICAL WATERTIGHT MANHOLE CASTING DETAIL

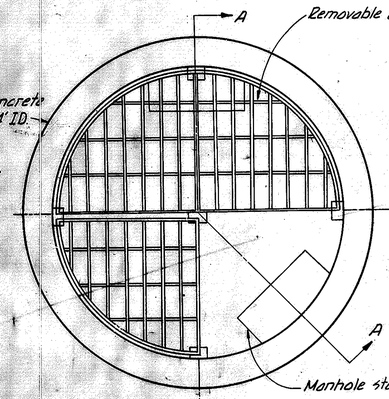
NO SCALE



NOTE:
At the location directed by the Engineer a 4" diameter steel post shall be erected to mark the location of manholes located on agricultural land.

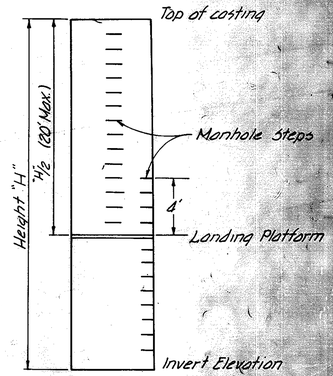
MANHOLE MARKING DETAIL

No Scale



PLAN

Aluminum grating shall be of rectangular pressure locked type properly supported by angle frames anchored into concrete. Grating shall be of such construction as to sustain a uniform load of 250# per square foot with a deflection less than 1/60 of the span. Bearing bars shall not be less than 3/16" thick and a minimum of 1 1/4" in depth. All openings and edges shall be banded.



Section A-A

MANHOLE LANDING PLATFORM DETAIL

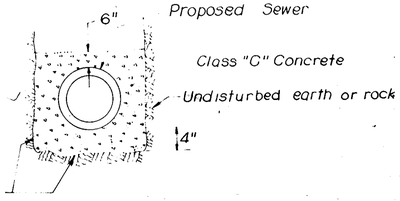
For all manholes where "H" exceeds 19'-6"

No Scale

Note The encasement limits shall be determined at the time of construction such that the encasement terminates at a sewer pipe joint

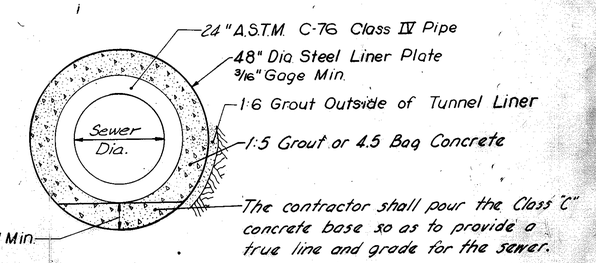
The joint shall be free of encasement so that it can act as a flexible joint

Any excavation beyond the limits as shown shall be filled with concrete at the contractors expense



TYPICAL CONCRETE ENCASEMENT

NO SCALE



TUNNEL SECTION DETAIL

NO SCALE

West Branch Sta. 298+00 to Sta 300+00

REVISED 3-80 AS CONSTRUCTED
THE INFORMATION SHOWN HEREON IS INTENDED TO BE COMPLETE AND CORRECT, HOWEVER, ALL PERSONS SHALL VERIFY INFORMATION TAKEN FROM THIS DRAWING.