

2451

24-51

Proj. # 24-51.

original x sections

from Sta 277468 to Sta 285463

and from Sta 298 to Sta 214450

Begin Store

Sta		ELEV	Gr. Prof.		
13, M1	5.88	252.69	246.81	48.41	
277+68					
278			247.8	4.9	47.6
+72 ⁰³			247.73	5.0	47.6
279					47.6
+72 ⁰³			247.68	5.0	47.8
+72 ⁰³			247.63	5.1	47.7
280 +22 ⁰³			247.58	5.1	47.6
+72 ⁰³			247.53	5.2	47.5
281			247.50	5.2	47.3
+79			247.45		47.2
+50			247.45	5.2	44.4
+61					46.7
287			247.4	5.3	46.5

Spl. in T. cc L4 Stg. 222 + 35

27/1.2 28/2.3 29/3.3 14/4.7 10/4.7 2.3 10/4.7 15/4.5 21/2.6 27/2.5 30/5.2

33/6.2
30/4.1 31/6.1 32/5.3 33/6.7 14/7.2 7/5.5 5.1 15/5.4 8/6.8 31/7.7 30/5.2
-1.4 -0.2 -1.7

33/5.9 34/5.9 16/6.2 17/6.8 9/5.9 5.1 15/5.5 14/5.8 20/6.7 21/7.1 27/5.7 29/5.9
-0.9 -0.9 -0.8 -0.1 -0.8 20/6.7 21/7.1 27/5.7 29/5.9

30/5.2 18/6.0 18/6.7 9/5.5 5.1 15/5.3 21/7.0 25/7.1 28/5.7 33/5.6

35/7 24/5.9 16/6.1 18/6.7 13/6.6 9/5.4 4.9 11/5.2 21/7.1 27/7.3 31/5.6 33/5.6
-0.9 -1.2 -0.1 5.6
+0.1 5.6 -0.1 5.6

30/5.4 31/5.8 17/6.1 13/6.7 14/6.6 10/5.4 5.0 14/5.2 15/5.8 19/7.2 25/7.1 29/5.6 31/5.6
-0.7 -1.4 10.1 10.1

30/6.7 10/6.2 17/6.2 17/6.8 9/5.5 5.1 14/6.0 9/5.5 13/7.3 20/7.3
-1.1 -0.8 0.0 10.4 5.6
+0.9 5.6 -1.2 3.72 E.V.

33/6.5 34/6.6 27/6.5 19/7.1 8/6.0 13/6.0 5.2 12/5.4 17/7.5 20/7.5 20/7.7 33/6.7
-1.4 -2.0 0.0 0.0 17/7.5 20/7.5 20/7.7 33/6.7

33/6.7 32/7.0 21/4.2 17/5.7 5.7 16/5.5 17/7.1 17/7.7 28/6.5 30/6.1 30/6.6
-1.8 -1.4 -0.2 16/5.5 17/7.1 17/7.7 28/6.5 30/6.1 30/6.6
+0.9 5.6 -1.2 3.72 E.V.

30/6.7 28/5.8 10/5.4 5.5 8/2.0 12/5.5 14/5.9 30/5.2
+0.9 5.6 -1.2 3.72 E.V.

30/5.0 27/5.6 16/5.6 12/5.6 5/7.9 2.3 14/5.9 16/5.9 27/6.2 33/6.0
-0.4 -1.3 5.1 14/5.9 16/5.9 27/6.2 33/6.0

30/5.4 10/5.3 11/7.9 9/5.0 6.0 14/5.6 31/5.9 33/6.5
30/6.6 27/7.5
30/7.4 21/6.2 17/6.2 6.1 10/6.1 6.2 17/6.3 17/6.5 27/6.1 30/6.2
-1.8 -0.9 17/6.3 17/6.5 27/6.1 30/6.2

152.69

750

247.38

5.3

46.5

T.P.

5.11

251.92 ✓

5.88

246.81 ✓

223

247.40

4.5

46.5

283 +62⁰³

247.50

4.0

47.8

284 +12⁰³

247.94

4.0

48.1

284 +62⁰³

247.79

4.1

48.2

T.P.

5.14

253.26 ✓

3.80

248.12 ✓

285 +12⁰³

247.94

5.4

48.4

762⁰²

T.P.

1.82

250.36

251.41

4.72

248.07

5.2

48.5

P.M.

1.37

243.10 ✓

8.68

247.54 ✓

241.68

241.73

241.73

T.P.

4.15

238.44 ✓

8.81

234.29 ✓

298 +01²

232.80

5.6

33.3

750

203.92

4.5

33.1

299

232.88

5.5

33.2

750

232.84

5.5

33.5

300

232.90

5.5

33.5

238.74

+50

232.95

5.4

33.5 ✓

301

233.0

5.4

33.2 ✓

+56

233.04

5.4

33.3 ✓

+86

233.07

5.3

33.4 ✓

302

233.10

5.3

33.3 ✓

T.P.

4.95

238.90 ✓

4.37

234.05 ✓

+36

233.14

5.6

33.2 ✓

303

233.2

5.5

33.2 ✓

+50

233.25

5.7

33.3 ✓

304

233.3

5.4

33.5 ✓

+50

233.35

5.9

33.7 ✓

305

233.4

5.5

33.7 ✓

+50

233.45

5.2

33.6 ✓

T.P.

6.84

240.53 ✓

5.01

233.09 ✓

304

233.5

7.0

33.5 ✓

lt.

lt. 20/5.7 33/4.7

(3)

-1.7 SE 2.3 E.W. +0.9 x x
 33/7.1 2/8.1 10/7.0 11/6.1 4/5.4 4.9 11/5.2 10/6.4 10/6.2 10/6.3
 -2.6 10.6 1.0 1.0 -3.0 1/2.3
 -1.7 SE 2.3 E.W. +1.9 x x
 33/7.0 2/8.5 10/7.4 11/7.3 8/5.8 5.2 11/5.5 10/6.5 11/6.3 10/6.2 10/6.0
 -2.1 10.2 1.0 1.0 -2.0 1/2.2

-1.07 SE 2.3 E.W. +0.9 x x
 33/7.4 2/8.8 10/7.0 11/6.9 9/5.5 5.1 11/5.3 10/6.3 11/6.2 10/6.1 10/6.0
 -2.3 10.3 1.0 1.0 -2.0 1/2.2

-0.71 1.0 E.W. +0.6 x x
 33/7.2 2/8.8 11/7.3 8/6.7 4/5.3 5.0 11/4.9 10/5.1 10/5.0 11/5.7 10/5.7
 -2.8 10.3 1.0 1.0 -2.1 1/2.2

-0.61 0.50 E.W. +0.58 x x
 33/7.5 21/7.3 10/8.1 3/5.3 5.1 8/4.1 10/5.2 11/6.1 10/6.2

Naill in J.P. Pt Sta 101745.

+0.09 S.E.
 33/7.3 2/8.7 14/8.7 9/6.9 5/5.9 5.5 11/5.1 10/5.3 11/5.9 10/6.9 10/6.9
 -2.9 10.1 1.0 1.0 -1.1 1/2.2

-0.12 S.E. 00 x x
 33/7.7 2/8.0 11/8.7 10/7.7 5.5 11/5.0 10/5.0 11/6.9 10/6.9 10/6.9
 -3.4 10.2 1.0 1.0 -1.7 1/2.2

33/9.1 2/8.2 11/8.1 13/7.1 8/6.0 5.4 11/5.4 10/7.1 10/7.1 11/6.6 10/6.6
 -2.7 10.0 1.0 1.0 -1.7 1/2.2

33/9.1 2/8.4 11/7.6 10/7.0 10/5.9 5.2 11/5.5 10/5.6 10/6.9 10/7.1 10/6.4
 -2.2 10.4 1.0 1.0 -2.4 1/2.2

33/5.9 2/7.7 11/6.9 13/6.2 10/5.8 5.0 11/5.4 10/6.9 10/7.1 10/6.4 10/5.4
 -1.6 10.3 1.0 1.0 -1.5 1/2.2

33/5.9 2/6.4 11/6.3 10/6.0 9/5.3 5.0 11/5.7 10/6.5 11/7.1 10/6.2 10/6.0
 -1.1 10.5 1.0 1.0 -1.8 1/2.2

33/5.9 2/6.4 11/5.8 10/5.8 9/5.4 5.1 11/5.4 10/7.0 11/6.6 10/6.4 10/5.1
 -0.4 10.1 1.0 1.0 -0.4 1/2.2

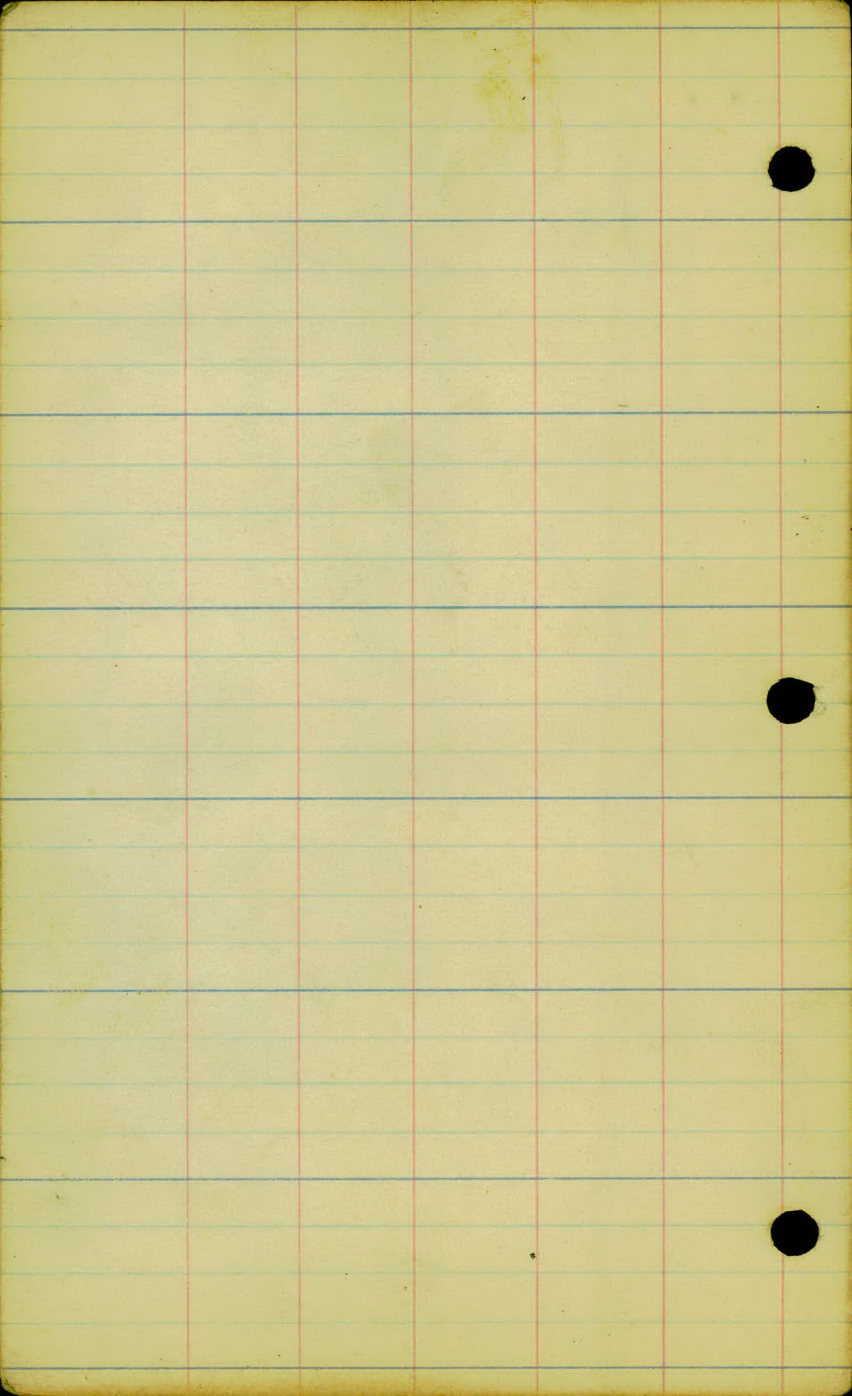
33/8.0 2/7.2 11/7.8 14/8.7 9/7.1 7.0 11/7.3 10/7.9 10/5.8 11/5.3 10/4.3
 -0.8 10.0 1.0 1.0 -0.4 1/2.2

33

(3)

Sta.	+	H.2	-	Elev		
		140.50 ✓				33.7 ✓
750				233.55	6.9	33.7 ✓
307				233.6	6.9	33.7 ✓
750				233.65	6.8	33.7 ✓
308				233.7	6.8	33.8 ✓
750				233.75	6.7	33.7 ✓
309				233.8	6.7	33.6 ✓
750				233.85	6.6	33.9 ✓
310				233.8	6.7	34.1 ✓
T.P.	750 ✓	238.44	6.27	234.14 ✓		
750				233.78	4.9	34.2 ✓
311				233.6	5.1	34.0 ✓
750				233.45	5.2	34.0 ✓
312				233.30	5.4	33.8 ✓
750				233.14	5.5	33.9 ✓

Sta.	+	H.I.	-	Elev.	Cr. Rod	
313		238.65		233.07	5.9	33.8 ✓
	+50			233.04	5.7	33.8 ✓
314				233.06	5.4	33.7 ✓
	+50			233.14	5.4	33.9 ✓
P.M.			4.00	234.64	234.70	



15100 15100.0
0475 275
749525 1725

15100
0.14
102586

238.10
4.49
233.66

38

+ H.I. - Rod Elev

B.M. 345 238.15 234.70

313 + 50

141 + 00

+ 15

+ 30

+ 45

+ 58.6 End Gutter left

+ 72.5 $\frac{1}{2}$ Rail 4.49 233.66

T.P. 476 238.23, 4.68 233.47

+ 87.84

+ 95.25 $\frac{1}{2}$ Rail 4.70 234.03

15 + 12.84 P.C.

+ 37.84

+ 50

hoff.

4

R. 9/11

Nail in Tree R Sta 310440

T.R.	T.R.	
<u>4.74</u>	<u>4.77</u>	
22.45	17.5	5.3

T.R.	T.R.	
<u>4.43</u>	<u>4.65</u>	
17.7	12.25	5.1

T.R.	T.R.	
<u>4.34</u>	<u>4.60</u>	
15.27	10.3	5.1

T.R.	T.R.	
<u>4.23</u>	<u>4.52</u>	
13.05	8.0	5.1

T.R.	T.R.	
<u>4.16</u>	<u>4.47</u>	
10.55	5.5	5.2

Gutter	T.R.	T.R.	
<u>4.03</u>	<u>4.15</u>	<u>4.12</u>	<u>4.47</u>
20	10.0	7.95	2.90

Gutter	Gutter	T.R.	T.R.
<u>4.0</u>	<u>4.20</u>	<u>4.10</u>	<u>4.29</u>
12.1	10.1	5.05	0.0

Gutter	Gutter	T.R.	T.R.
<u>4.20</u>	<u>4.32</u>	<u>4.20</u>	<u>4.53</u>
12.1	10.1	0.6	4.27
			3.5

Gutter	Gutter	T.R.	T.R.
<u>4.0</u>	<u>4.31</u>	<u>4.20</u>	<u>4.53</u>
12.2	10.2	4.20	5.1

catch Basin	<u>4.51</u>	Gutter	Gutter	T.R.	T.R.
	16.0	<u>4.20</u>	<u>4.31</u>	<u>4.20</u>	<u>4.52</u>
		12.0	10.0	4.25	7.30

Gutter	Gutter	T.R.	T.R.
<u>4.16</u>	<u>4.22</u>	<u>4.12</u>	<u>4.26</u>
12.0	10.0	4.9	9.80
			14.80

Gutter	Gutter	T.R.	T.R.
<u>4.11</u>	<u>4.22</u>	<u>4.10</u>	<u>4.42</u>
12.0	10.0	4.8	12.25
			17.25

239.23

15+62.84 F.W.T

+ 80

+ 87 Catch Basin

+ 89.5 Present End Cotten, Right.

216+00

+45.5 F.W.T

$$\left(\begin{array}{c|c} \text{Gutter} & \text{Gutter} \\ \hline 4.07 & 4.19 \\ \hline 12.0 & 10.0 \end{array} \right) 4.8$$

$$\begin{array}{c|c} \text{T.R} & \text{T.R} \\ \hline 4.09 & 4.38 \\ \hline 14.15 & 19.15 \end{array}$$

$$\left(\begin{array}{c|c} \text{Gutter} & \text{Gutter} \\ \hline 4.07 & 4.10 \\ \hline 12.0 & 10.0 \end{array} \right) 4.7$$

$$\begin{array}{c|c} \text{T.R} & \text{T.R} \\ \hline 4.07 & 4.34 \\ \hline 16.54 & 21.42 \end{array}$$

$$\left(\begin{array}{c} 4.31 \\ \hline 13.80 \end{array} \right) \text{Catch Basin}$$

$$\left(\begin{array}{c|c} 4.05 & 3.97 \\ \hline 13.14 & 15.14 \end{array} \right) \text{End Gutter}$$

$$\left(\begin{array}{c|c} \text{Gutter} & \text{Gutter} \\ \hline 3.95 & 4.02 \\ \hline 12.0 & 10.0 \end{array} \right) 4.6$$

$$\left(\begin{array}{c|c} \text{Gutter} & \text{Gutter} \\ \hline 4.02 & 3.95 \\ \hline 13.14 & 15.14 \end{array} \right) \begin{array}{c|c} \text{T.R} & \text{T.R} \\ \hline 3.90 & 4.26 \\ \hline 18.60 & 23.55 \end{array}$$

$$\left(\begin{array}{c|c} \text{Gutter} & \\ \hline 3.88 & 3.83 \\ \hline 12.0 & 10.0 \end{array} \right) 4.3$$

$$\left(\begin{array}{c|c} \text{Gutter} & \\ \hline 3.91 & 3.85 \\ \hline 13.14 & 15.14 \end{array} \right) \begin{array}{c|c} \text{T.R} & \text{T.R} \\ \hline 3.76 & 4.11 \\ \hline 20.78 & 25.68 \end{array}$$

16° Curve Rt

$\Delta = 29^{\circ}16'$

Rad = 359.27

Tang = 93.8

Length = 182.91

324.74
277.68
47

37+07.45
145 14 30
12+19.15
12+20.25

100.00

117
118
119

u 365