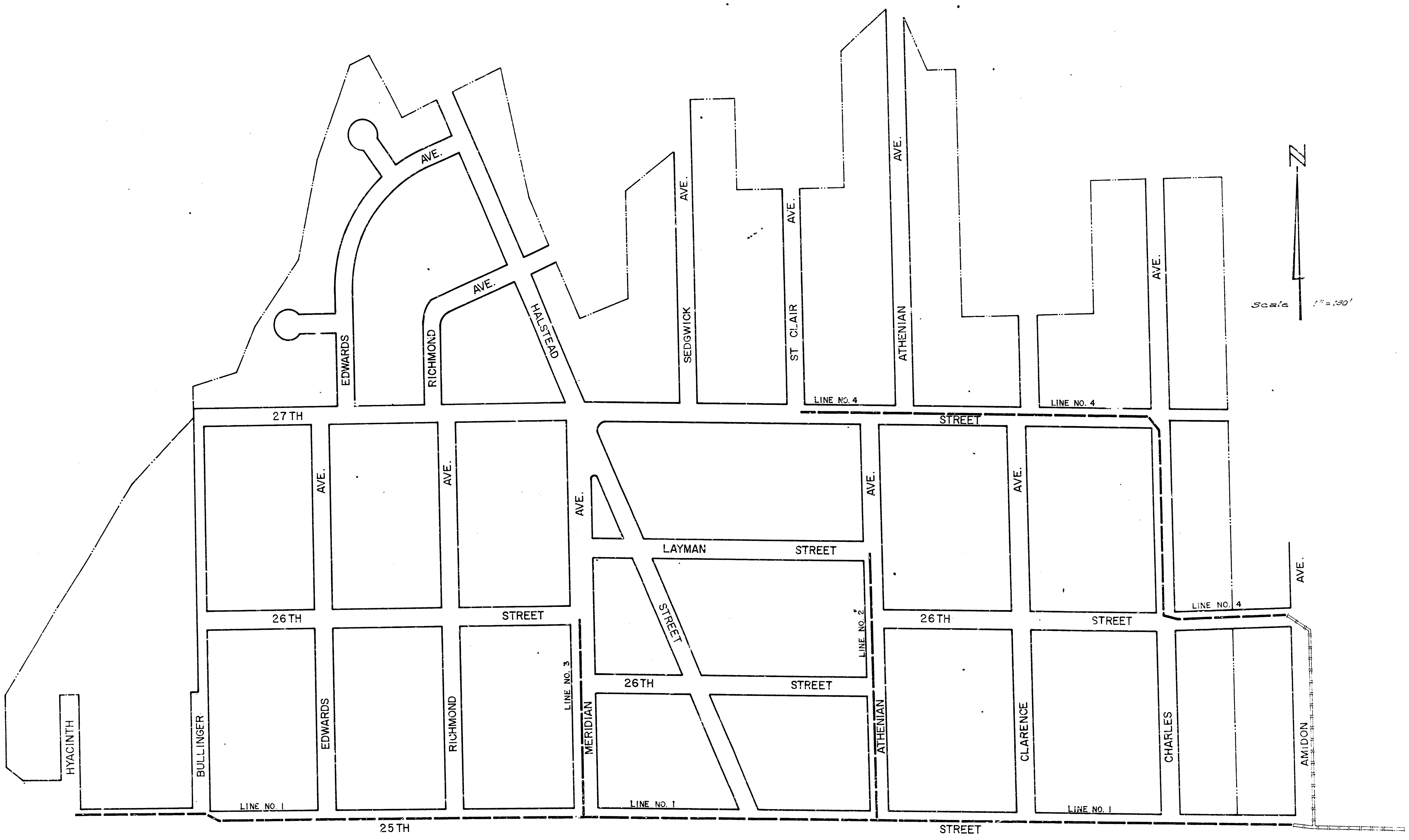

N
Scale 1" = 150'
AVE.
AVE.
EDWARDS
RICHMOND
HALSTEAD
SEDGWICK
AVE.
ST CLAIR
AVE.
ATHENIAN
AVE.
AVE.
LINE NO. 4
LINE NO. 4
27TH
STREET
AVE.
AVE.
AVE.
AVE.
AVE.
LAYMAN
STREET
AVE.
LINE NO. 4
26TH
STREET
26TH
STREET
STREET
LINE NO. 2
LINE NO. 3
26TH
STREET
HYACINTH
BULLINGER
EDWARDS
RICHMOND
MERIDIAN
ATHENIAN
CLARENCE
CHARLES
AMIDON
LINE NO. 1
LINE NO. 1
LINE NO. 1
25TH
STREET

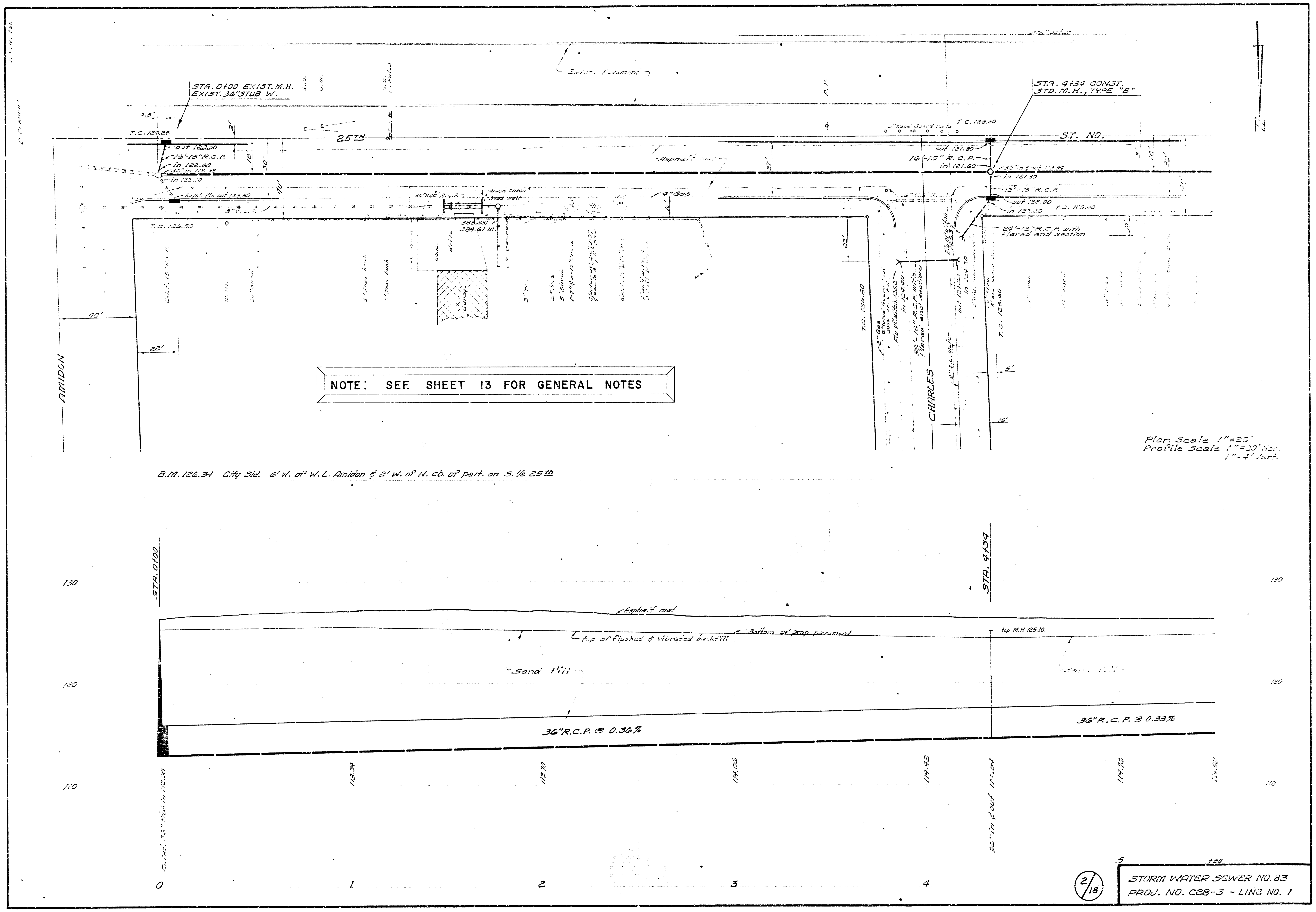
STORM WATER SEWER NO. 83

CITY OF WICHITA, KANSAS - B.E. SMITH, CITY ENGINEER

1/18

PROJECT NO. C28-3

DATE:


STA. 0+00 EXIST. M.H.
EXIST. 36" STUB W.
4.5'
T.C. 126.25
out 123.00
16'-15" R.C.P.
in 122.60
36" in 113.38
in 122.10
Exist. Flo out 123.50
8" V.C.P.
T.C. 126.50
25TH
ST. NO.
Exist. Pavement
Asphalt mat
4" Gas
30"x20" R.C.P.
Bason Creek
head wall
383.23 F
384.61 in.
18'
30'
40'
3'
12'
90'
88'
27'
22'
AMIDON
STA. 4+34 CONST.
STD. M.H., TYPE "B"
T.C. 125.20
out 121.80
16'-15" R.C.P.
in 121.60
36" in & out 113.94
in 121.80
12'-15" R.C.P.
out 122.00
in 122.20
T.C. 125.40
24'-12" R.C.P. with
flared end section
T.C. 125.80
T.C. 125.60
CHARLES
5'
10'
12" water
STA. 0+00
STA. 4+34
Asphalt mat
top of flushed & vibrated backfill
Bottom of prop. pavement
top M.H. 125.10
Sand fill
Sand fill
36" R.C.P. @ 0.36%
36" R.C.P. @ 0.33%
130
120
110
113.34
113.70
114.06
114.42
114.54
114.78
114.90
36" in & out 113.94
0
1
2
3
4
5
+60

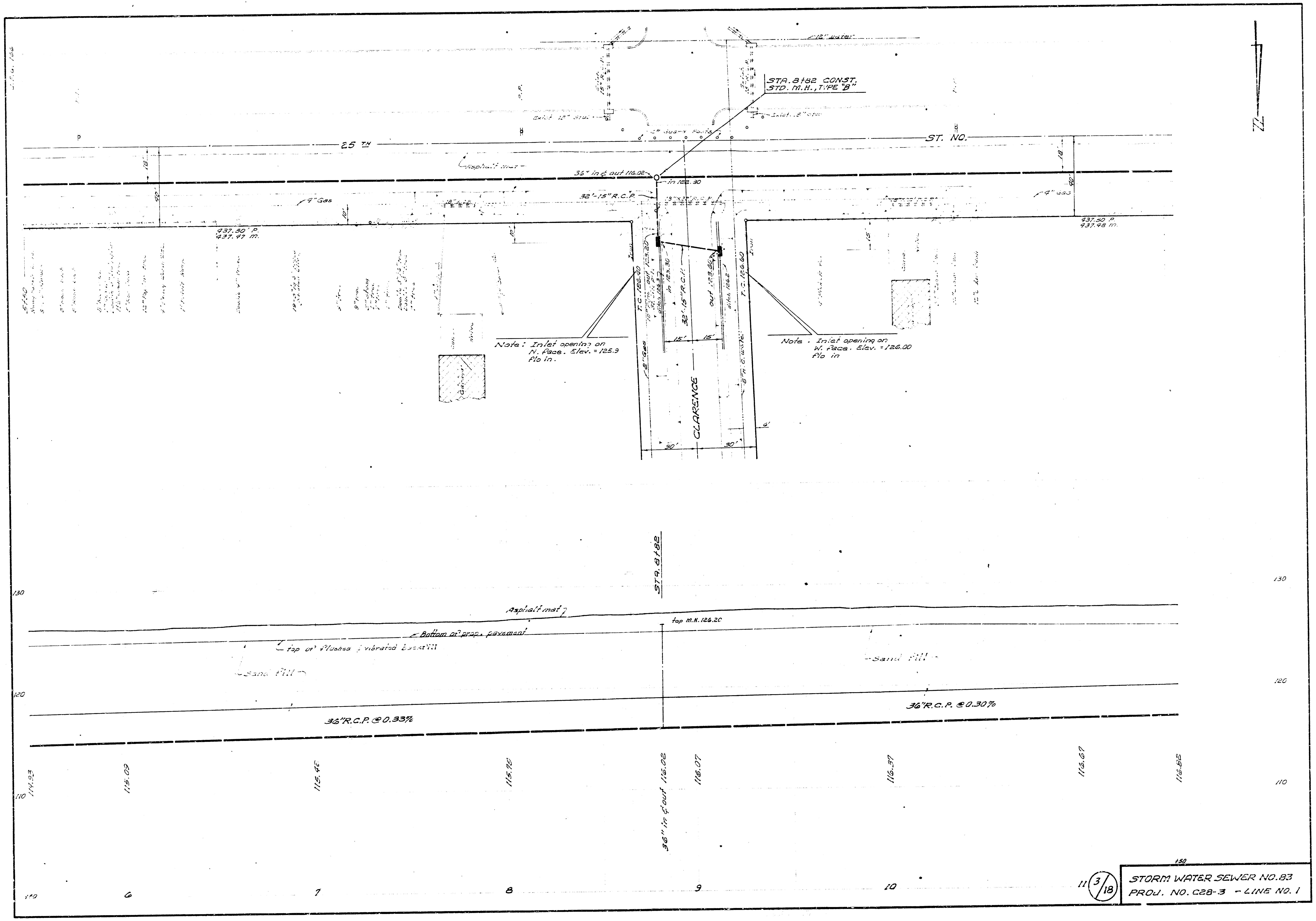
NOTE: SEE SHEET 13 FOR GENERAL NOTES

Plan Scale 1"=20'
Profile Scale 1"=20' Hor.
1"=4' Vert.

B.M. 126.34 City Std. 6' W. of W. L. Amidon & 2' W. of N. cb. of part. on S. ½ 25th

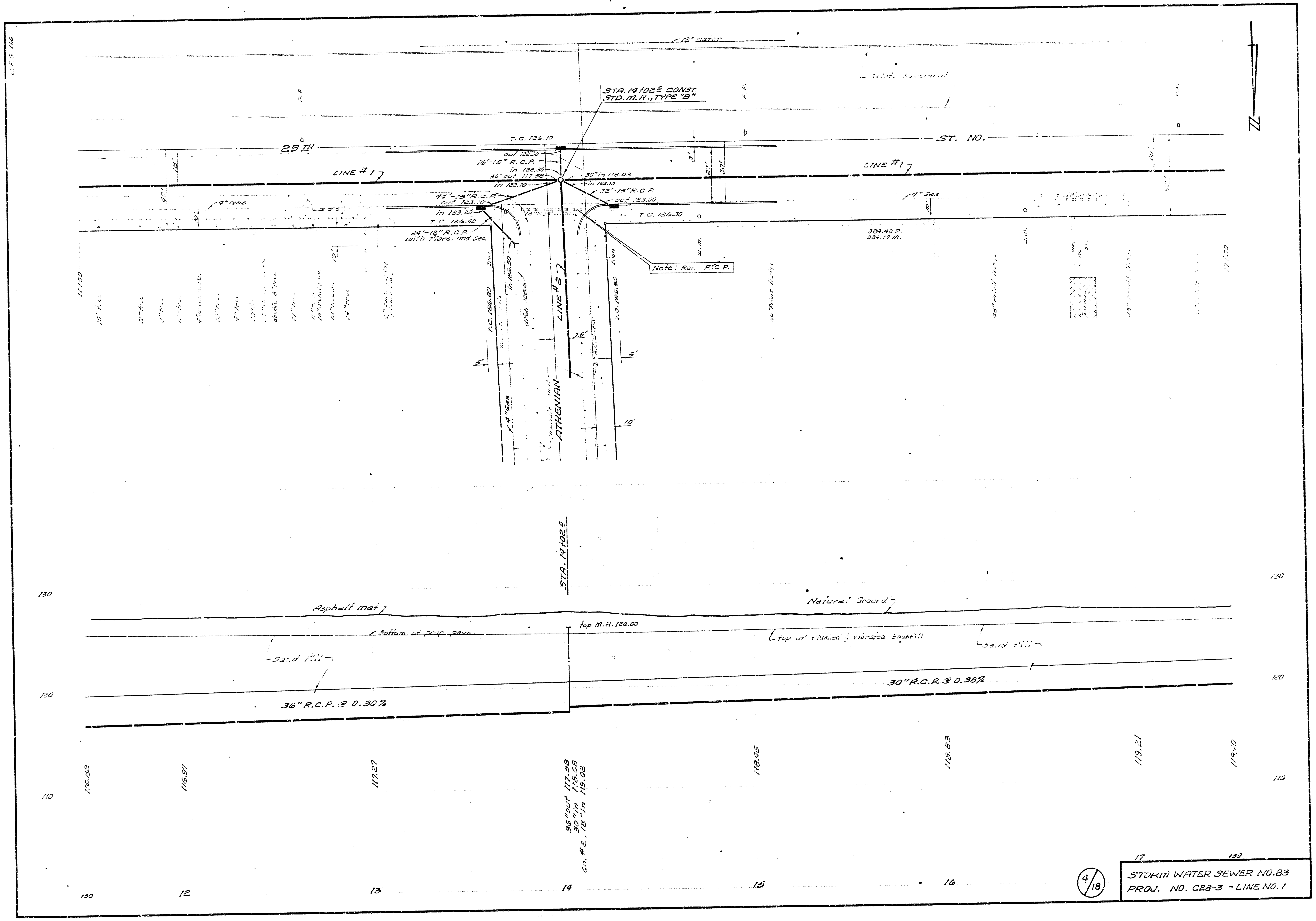
2/18

STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 1

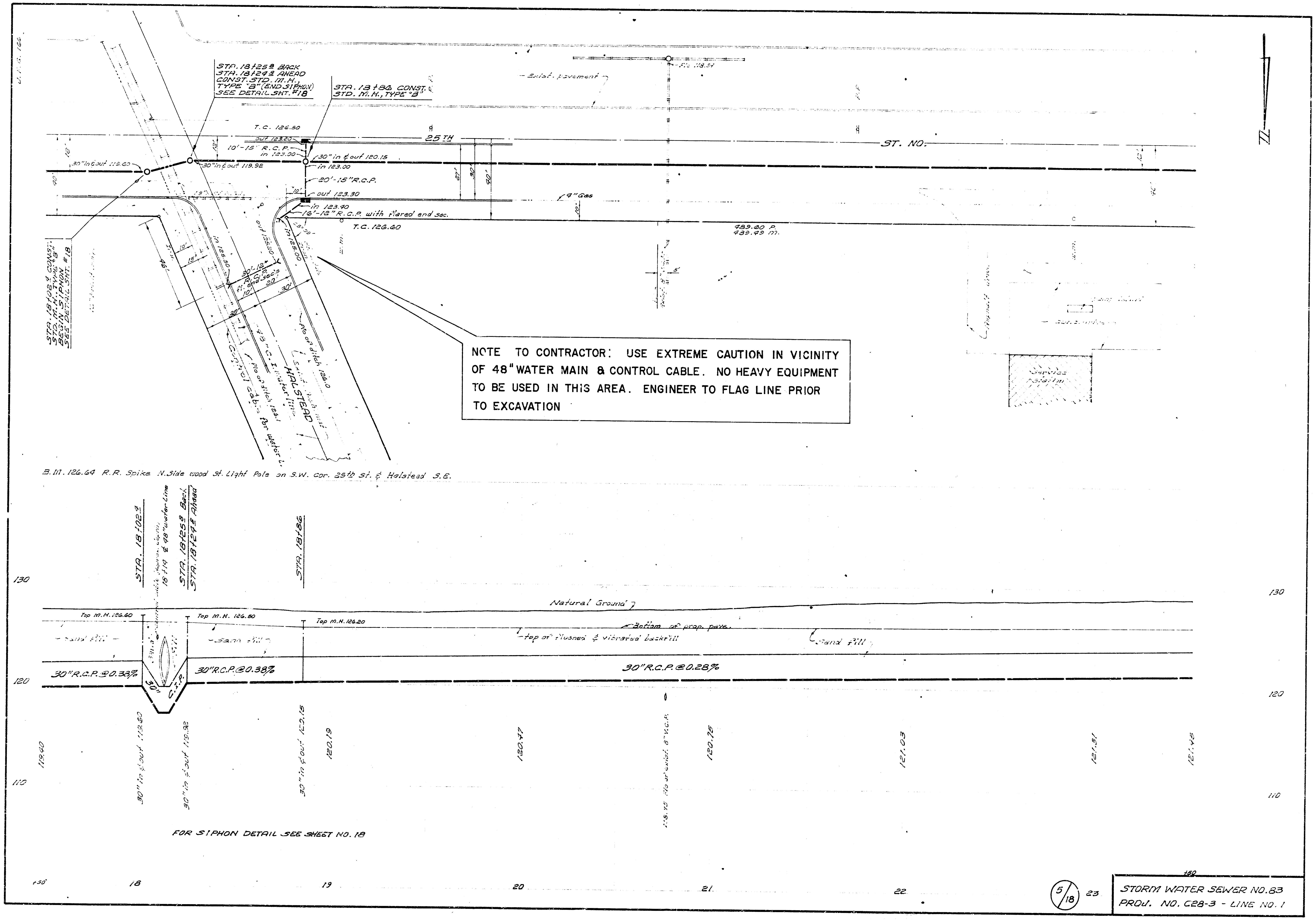

12" water
STA. 8+82 CONST.
STD. M.H., TYPE "B"
Exist. 15" R.C.P.
Exist. 15" Stub
Exist. 15" Stub
3" Guard Posts
25 TH
ST. NO.
Asphalt mat
36" in & out 116.02
in 122.30
32'-15" R.C.P.
8"x32' R.C.P.
9" Gas
18'
20'
437.50 P.
437.47 m.
437.50 P.
437.48 m.
10'
15'
Iron
T.C. 126.40
10" Pipe out 123.20
ditch 126.3
in 123.30
32'-15" R.C.P.
out 123.60
ditch 126.2
T.C. 126.60
15'
15'
Note: Inlet opening on N. Face. Elev. = 125.9 flo in.
Note. Inlet opening on W. Face. Elev. = 126.00 flo in
2" Gas
8" A.C. water
CLARENCE
30'
30'
6'
Garage
drive
STA. 8+82
130
120
110
Asphalt mat
top M.H. 126.20
Bottom of prop. pavement
top of flushed & vibrated backfill
Sand fill
Sand fill
36" R.C.P. @ 0.33%
36" R.C.P. @ 0.30%
114.93
115.09
115.46
115.75
36" in & out 116.02
116.07
116.37
116.67
116.85
6
7
8
9
10
+50

11 3/18

STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 1

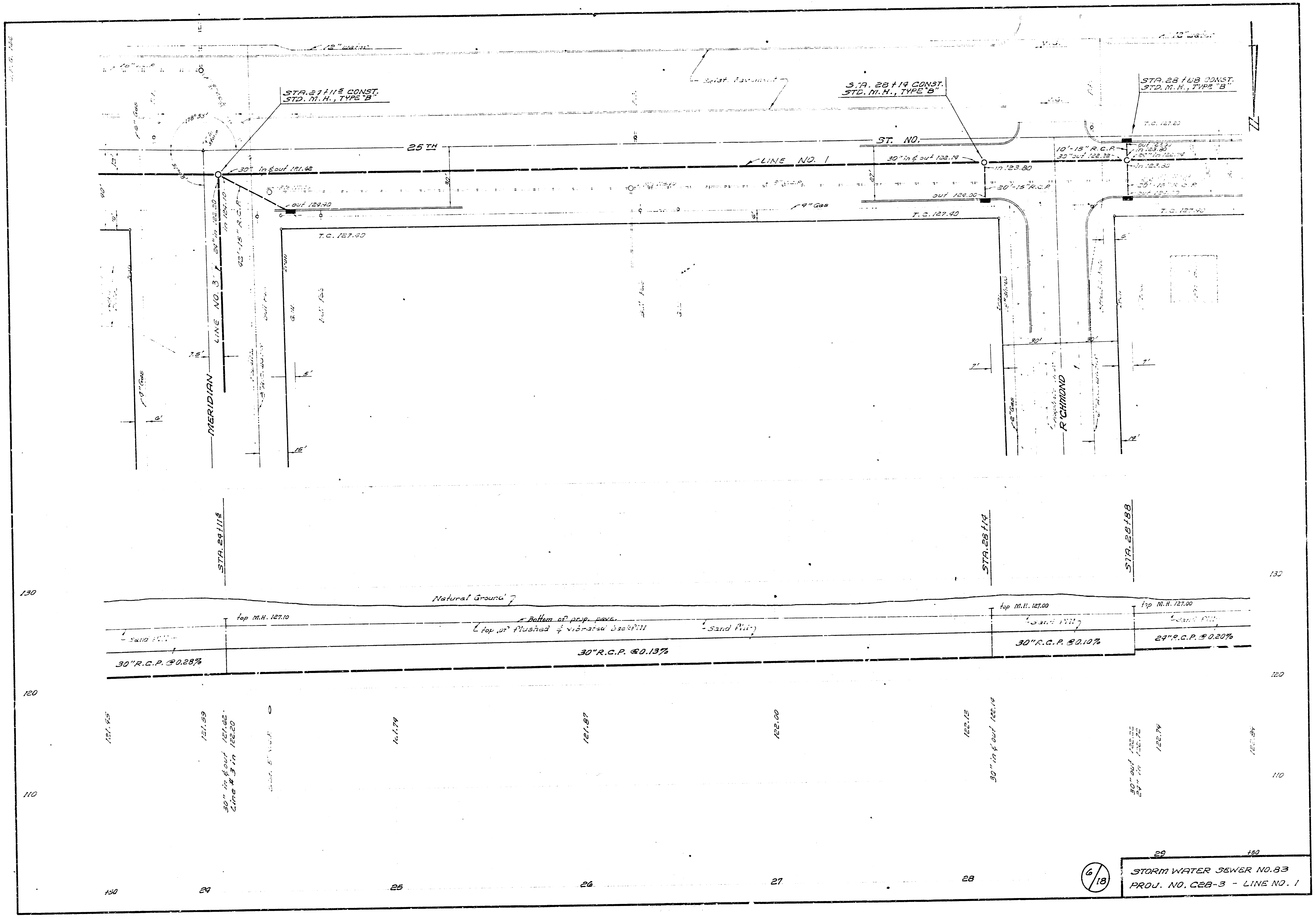

12" water
STA. 14+02± CONST.
STD. M.H., TYPE "B"
25TH ST. NO.
LINE #1
T.C. 126.10
out 122.50
16'-15" R.C.P.
in 122.30
36" out 117.58
in 123.70
30" in 118.08
in 122.10
32'-15" R.C.P.
out 123.00
44'-15" R.C.P.
out 123.10
in 123.20
T.C. 126.40
24'-12" R.C.P.
with flare. end Sec.
T.C. 126.30
9" Gas
389.40 P.
384.17 M.
Note: Rem. R.C.P.
T.C. 126.80
in 125.50
ditch 125.6
LINE #2
ATHENIAN
T.C. 126.50
4" Gas
7.5'
5'
10'
3'
STA. 14+02±
Asphalt mat
Natural Ground
top M.H. 126.00
Bottom of prop. pave.
top of flushed & vibrated backfill
Sand fill
36" R.C.P. @ 0.30%
30" R.C.P. @ 0.38%
130
120
110
116.82
116.97
117.27
36" out 117.58
30" in 118.08
Ln. #2, 18" in 119.08
118.45
118.83
119.21
119.40
+50
12
13
14
15
16
17
+50

STORM WATER SEWER NO.83
PROJ. NO. C28-3 - LINE NO. 1


STA. 18+25⁸ BACK
STA. 18+24⁸ AHEAD
CONST. STD. M.H.,
TYPE "B" (END SIPHON)
SEE DETAIL SHT. #18
STA. 18+86 CONST.
STD. M.H., TYPE "B"
STA. 18+02⁴ CONST.
STD. M.H., TYPE "B"
BEGIN SIPHON
SEE DETAIL SHT. #18
T.C. 126.50
out 123.20
10'-15" R.C.P.
in 123.00
30" in & out 119.60
30" in & out 119.92
30" in & out 120.15
in 123.00
20'-15" R.C.P.
out 123.30
in 123.40
16'-12" R.C.P. with flared end sec.
T.C. 126.60
25TH
ST. NO.
4" Gas
Exist. pavement
489.60 P.
489.49 M.
in 125.50
out 125.20
in 125.00
30'-12" R.C.P. fl. end sec's
48" C.I. water line
Control cab. for water l.
flo of ditch 126.1
flo of ditch 126.0
HALSTEAD
Service station
B.M. 126.64 R.R. Spike N. Side wood St. Light Pole on S.W. cor. 25th St. & Halstead S.E.
STA. 18+02⁴
18+19 & 48" water Line
STA. 18+25⁸ Back
STA. 18+24⁸ Ahead
STA. 18+86
Top M.H. 126.60
Top M.H. 126.80
Top M.H. 126.20
Sand fill
Natural Ground
Bottom of prop. pave.
top of flushed & vibrated backfill
30" R.C.P. @ 0.38%
30" C.I.P.
30" R.C.P. @ 0.28%
119.40
30" in & out 119.60
30" in & out 119.92
30" in & out 120.15
120.19
120.47
115.75 flo of exist. 8" V.C.P.
120.75
121.03
121.31
121.45
130
120
110
+50
18
19
20
21
22
23
FOR SIPHON DETAIL SEE SHEET NO. 18

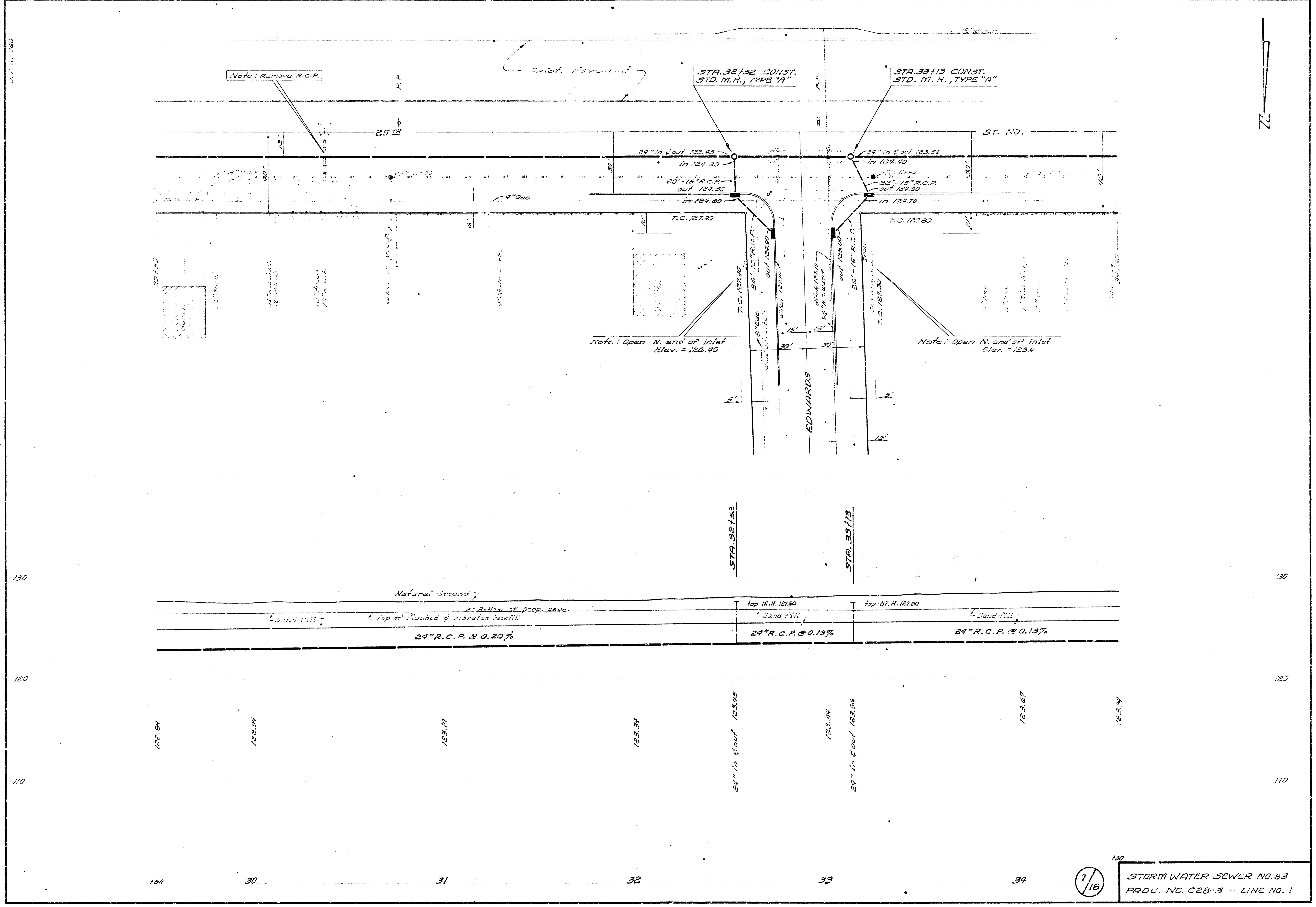
NOTE TO CONTRACTOR: USE EXTREME CAUTION IN VICINITY OF 48" WATER MAIN & CONTROL CABLE. NO HEAVY EQUIPMENT TO BE USED IN THIS AREA. ENGINEER TO FLAG LINE PRIOR TO EXCAVATION

STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 1

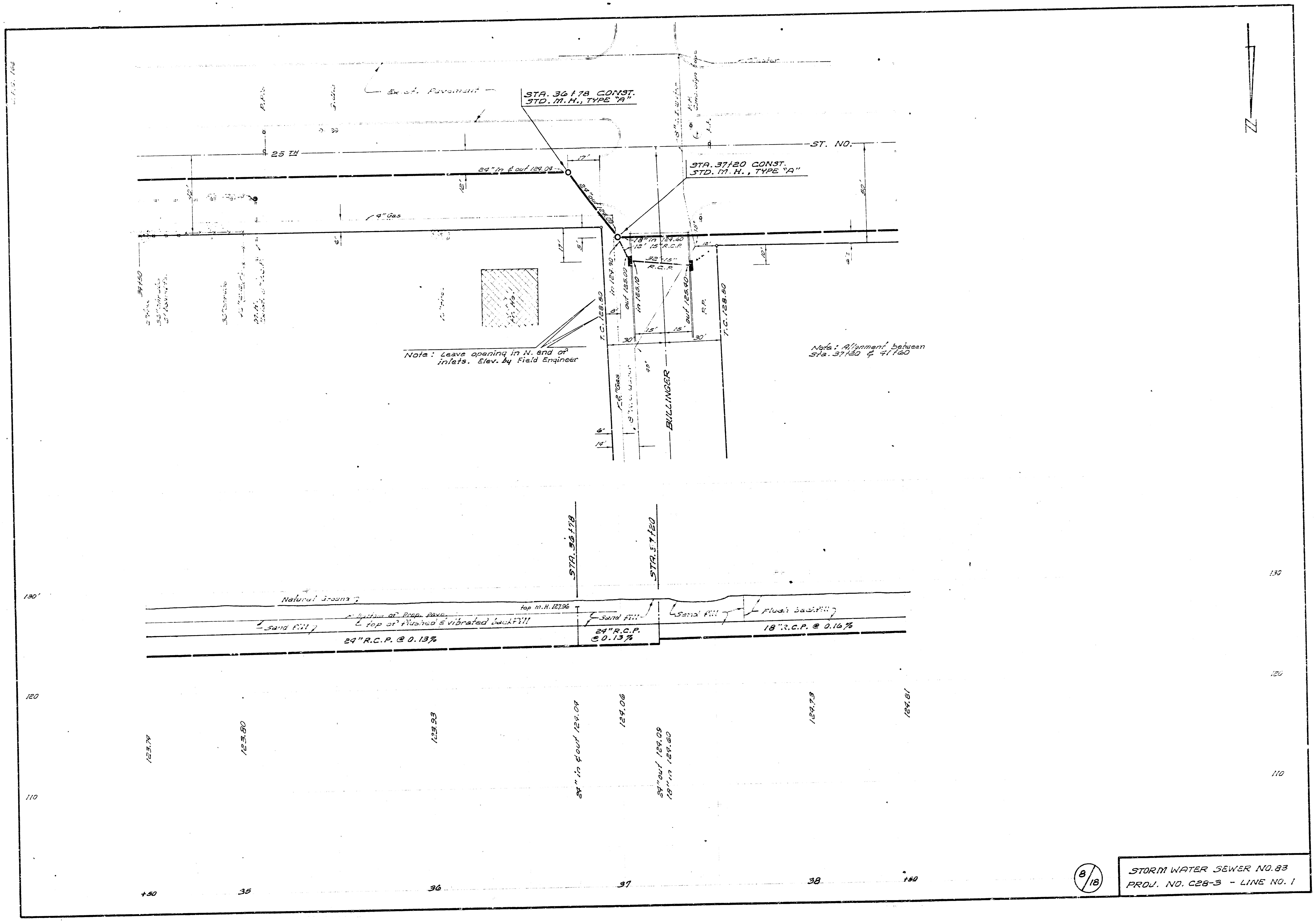

12" water
12" water
25TH
ST. NO.
LINE NO. 1
STA. 27+11⁵ CONST.
STD. M.H., TYPE "B"
STA. 28+14 CONST.
STD. M.H., TYPE "B"
STA. 28+88 CONST.
STD. M.H., TYPE "B"
178° 53'
6" Gas
4" Gas
30" in & out 121.62
24" in 122.20
in 124.10
92'-15" R.C.P.
out 124.40
T.C. 127.40
30'
13'
40'
10'
30" in & out 122.14
in 123.80
20'-15" R.C.P.
out 124.00
27'
T.C. 127.40
10'-15" R.C.P.
30" out 122.22
out 123.90
in 123.80
24" in 122.74
in 123.80
20'-15" R.C.P.
T.C. 127.20
T.C. 127.40
LINE NO. 3
MERIDIAN
RICHMOND
7.5'
6'
5'
16'
7'
7'
14'
30'
30'
STA. 27+11⁵
STA. 28+14
STA. 28+88
Natural Ground
top M.H. 127.10
Bottom of prop. pave.
top of flushed & vibrated backfill
Sand Fill
Sand Fill
top M.H. 127.00
Sand Fill
top M.H. 127.00
Sand Fill
30" R.C.P. @ 0.28%
30" R.C.P. @ 0.13%
30" R.C.P. @ 0.10%
24" R.C.P. @ 0.20%
130
120
110
130
120
110
121.45
121.59
30" in & out 121.62
Line # 3 in 122.20
121.74
121.87
122.00
122.13
30" in & out 122.14
30" out 122.22
24" in 122.72
122.74
122.84
+50
24
25
26
27
28
29
+50

6/18

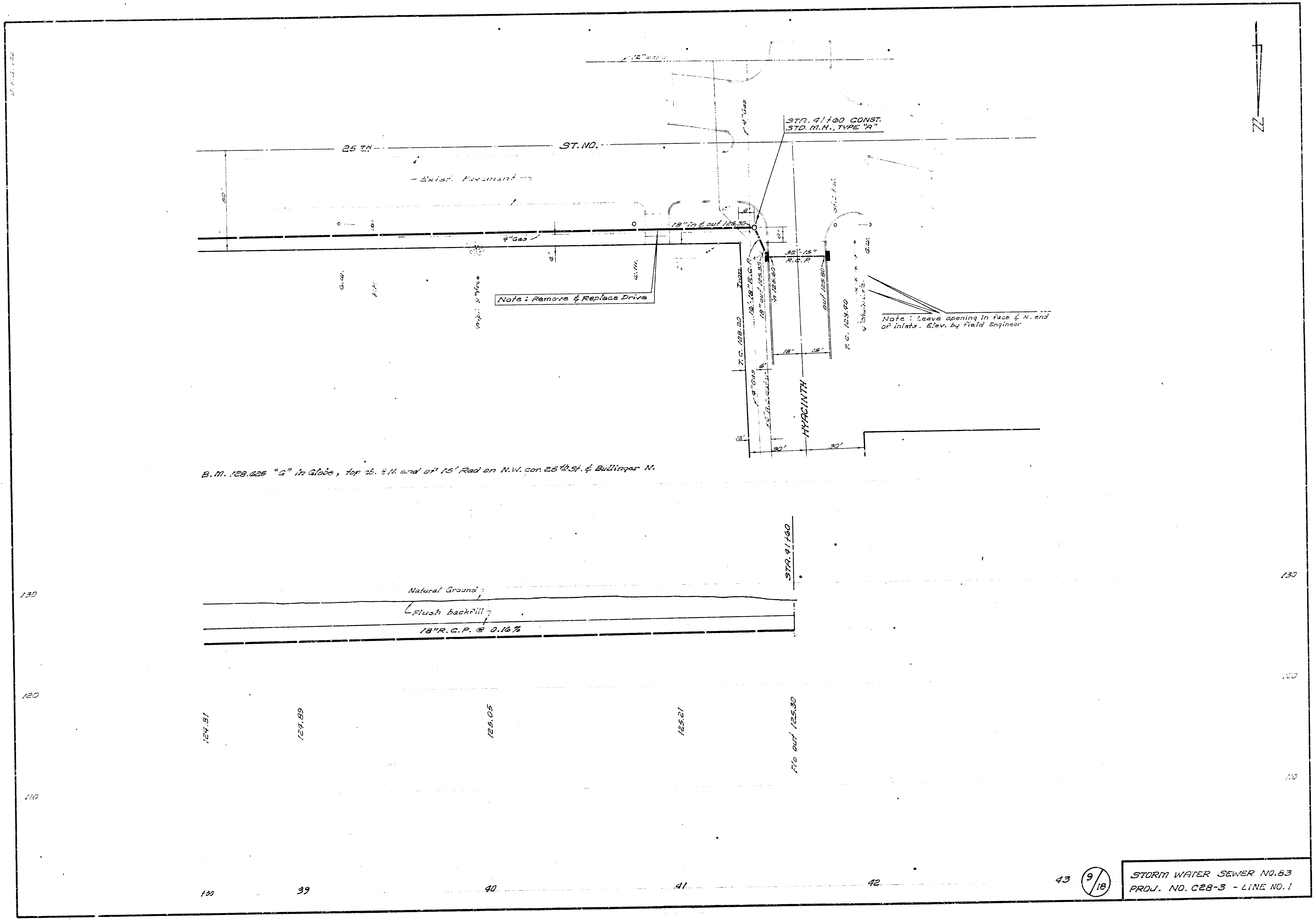
STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 1


Note: Remove R.C.P.
Exist. Pavement
STA. 32+52 CONST. STD. M.H., TYPE "A"
STA. 33+13 CONST. STD. M.H., TYPE "A"
P.P.
25TH
ST. NO.
24" in & out 123.45
in 124.30
20'-15" R.C.P.
out 124.50
in 124.60
24" in & out 123.56
in 124.40
22'-15" R.C.P.
out 124.60
in 124.70
4" Gas
T.C. 127.90
T.C. 127.80
30'
10'
T.C. 127.40
26'-15" R.C.P.
out 124.90
ditch 127.10
2" Gas
ditch 127.10
out 125.00
26'-15" R.C.P.
Iron
T.C. 127.30
15'
15'
30'
30'
Note: Open N. end of inlet Elev. = 126.40
Note: Open N. end of inlet Elev. = 126.4
EDWARDS
5'
5'
16'
STA. 32+52
STA. 33+13
Natural Ground
Bottom of prop. pave.
Sand Fill
top of Flushed & vibrated backfill
top M.H. 127.60
top M.H. 127.50
Sand Fill
Sand Fill
24" R.C.P. @ 0.20%
24" R.C.P. @ 0.13%
24" R.C.P. @ 0.13%
130
120
110
122.84
122.94
123.14
123.34
24" in & out 123.95
123.54
24" in & out 123.56
123.67
123.74
+50
30
31
32
33
34
+50

STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 1

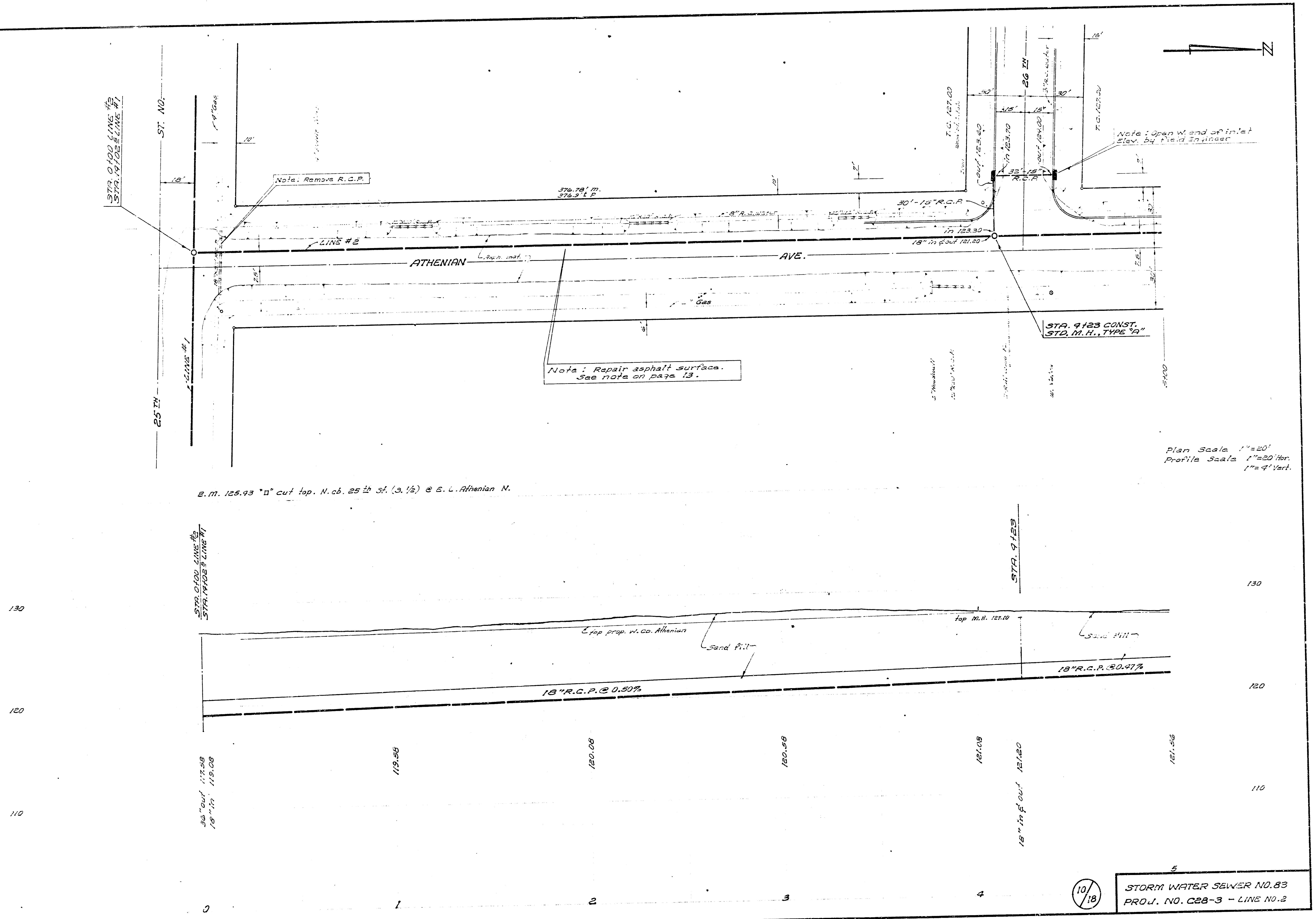

Ex. st. Pavement
STA. 36+78 CONST.
STD. M.H., TYPE "A"
STA. 37+20 CONST.
STD. M.H., TYPE "A"
25 TH
ST. NO.
24" in & out 124.04
24" out 124.09
18" in 124.60
12' 15" R.C.P.
32' 15" R.C.P.
in 124.90
out 125.00
in 125.10
out 125.40
4" Gas
Water
17'
17'
5'
8'
12'
10'
50'
15'
15'
30'
30'
6'
14'
T.C. 128.50
T.C. 128.50
P.P.
Fr. Ho.
2" Gas
BULLINGER
Note: Leave opening in N. end of inlets. Elev. by Field Engineer
Note: Alignment between Sta. 37+20 & 41+60
N
STA. 36+78
STA. 37+20
Natural Ground
top M.H. 127.96
Bottom of Prop. Pave.
top of flushed & vibrated backfill
Sand Fill
Sand Fill
Sand Fill
Flush backfill
24" R.C.P. @ 0.13%
24" R.C.P. @ 0.13%
18" R.C.P. @ 0.16%
130'
120
110
130
120
110
123.79
123.80
123.93
24" in & out 124.04
124.06
24" out 124.09
18" in 124.60
124.73
124.81
+50
35
36
37
38
+50

STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 1


25 TH ST. NO.
50'
Exist. Pavement
G.W.
F.H.
9" Gas
6'
W.M.
18" in & out 125.30
Note : Remove & Replace Drive
12" water
4" Gas
15'
8'
6'
STA. 41+60 CONST.
STD. M.H., TYPE "A"
16'-18" R.C.P.
18" out 125.35
in 125.60
32'-15"
R.C.P.
out 125.80
T.C. 128.20
T.C. 129.40
G.W.
Note : Leave opening in face & N. end of inlets. Elev. by Field Engineer
15'
15'
4" Gas
HYACINTH
12'
30'
30'
B.M. 128.625 "G" in Globe, top ab. ½ N. end of 15' Rad on N.W. cor. 25th St. & Bullinger N.
STA. 41+60
Natural Ground
Flush backfill
18" R.C.P. @ 0.16%
130
120
110
124.81
124.89
125.05
125.21
F/o out 125.30
139
39
40
41
42
43

(9/18)

STORM WATER SEWER NO. 63
PROJ. NO. C28-3 - LINE NO. 1


STA. 0+00 LINE #2
STA. 19+02.5 LINE #1
ST. NO.
25TH
4" Gas
10'
18'
LINE #1
LINE #2
ATHENIAN
AVE.
Asph. mat.
7.5'
376.78' m.
376.9' t P
8" A.C. water
Gas
6'
2'
10'
26TH
30'
30'
15'
15'
16'
T.C. 127.00
T.C. 127.20
out 123.60
in 123.70
out 124.00
32'-15" R.C.P.
30'-15" R.C.P.
in 123.30
18" in & out 121.20
3" A.C. water
7.5'
30'
30'
5+00
W. Valve
3" Headwall
N
STA. 9+23
top M.H. 127.10
℄ top prop. W. Co. Athenian
Sand fill
Sand fill
18" R.C.P. @ 0.50%
18" R.C.P. @ 0.47%
36" out 117.58
18" in 119.08
119.58
120.08
120.58
121.08
18" in & out 121.20
121.56
130
120
110
130
120
110
0
1
2
3
4
5

Note: Remove R.C.P.

Note: Repair asphalt surface. See note on page 13.

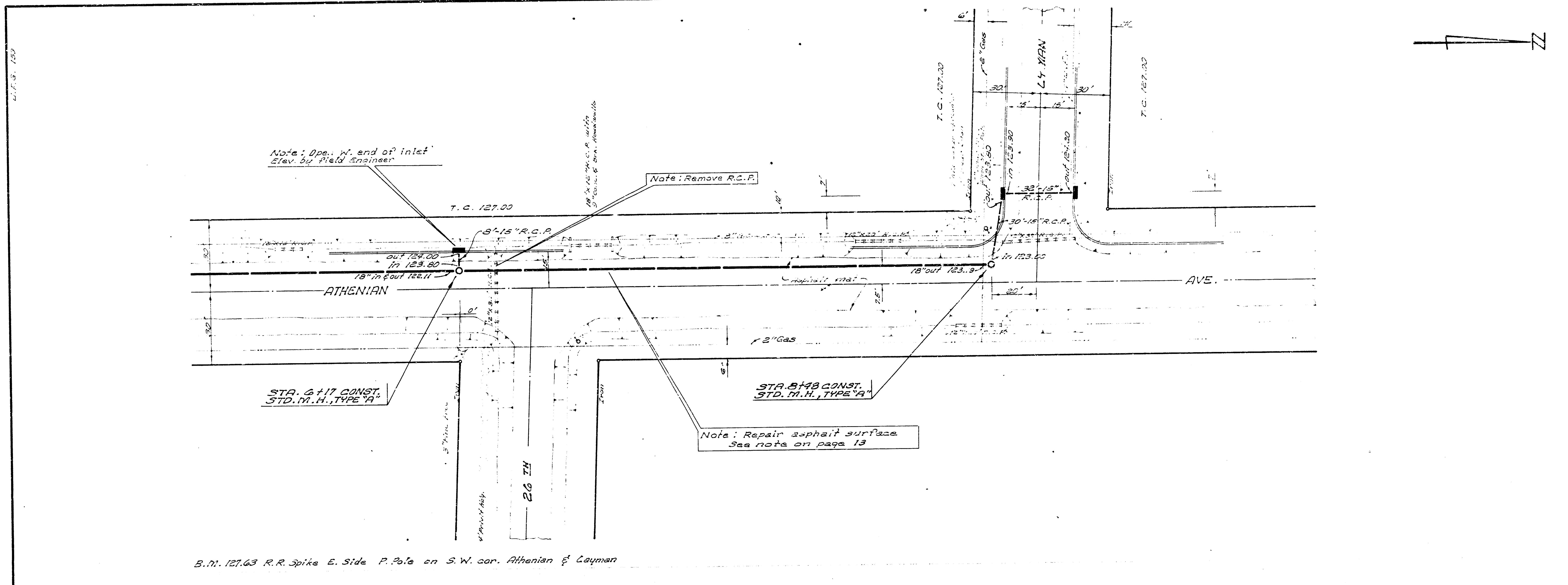
STA. 9+23 CONST. STD. M.H., TYPE "A"

Note: Open W. end of inlet Elev. by Field Engineer

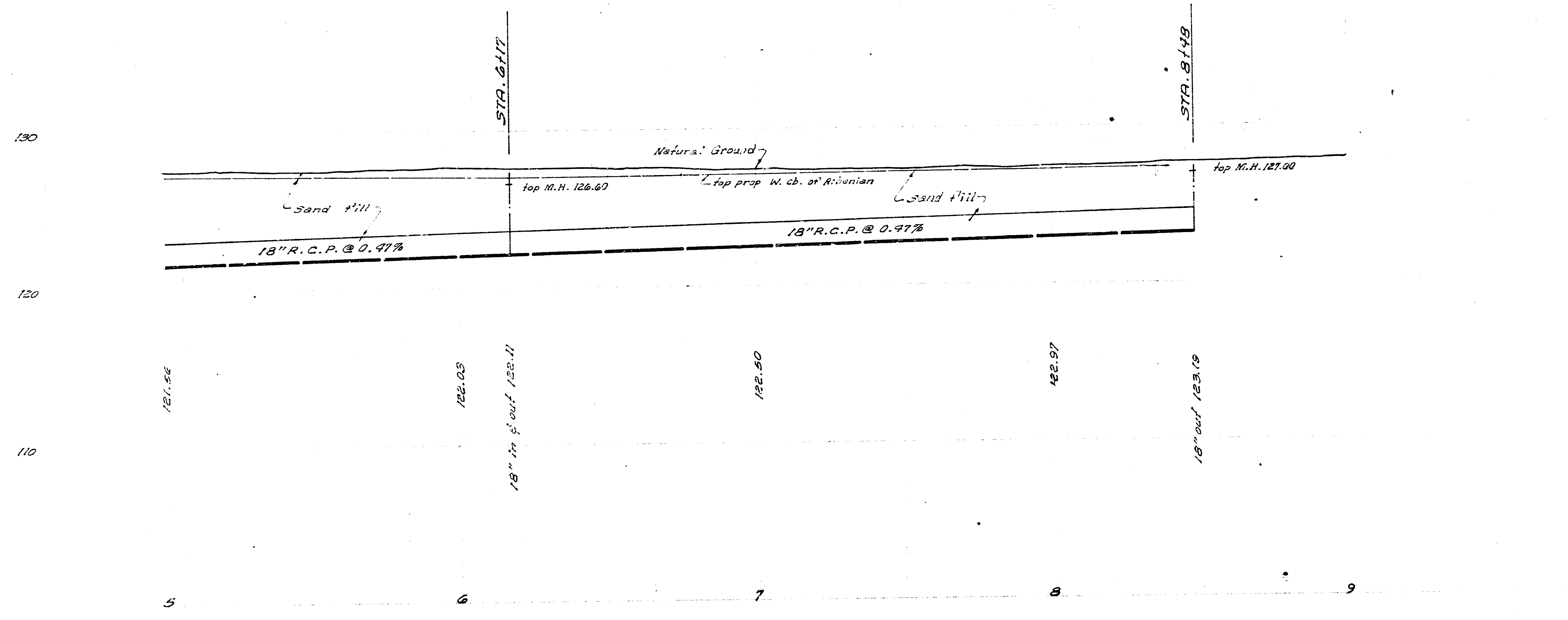
Plan Scale 1"=20'
Profile Scale 1"=20' Hor.
1"=4' Vert.

B.M. 125.43 "□" cut top. N. cb. 25th St. (3. 1/2) @ E. L. Athenian N.

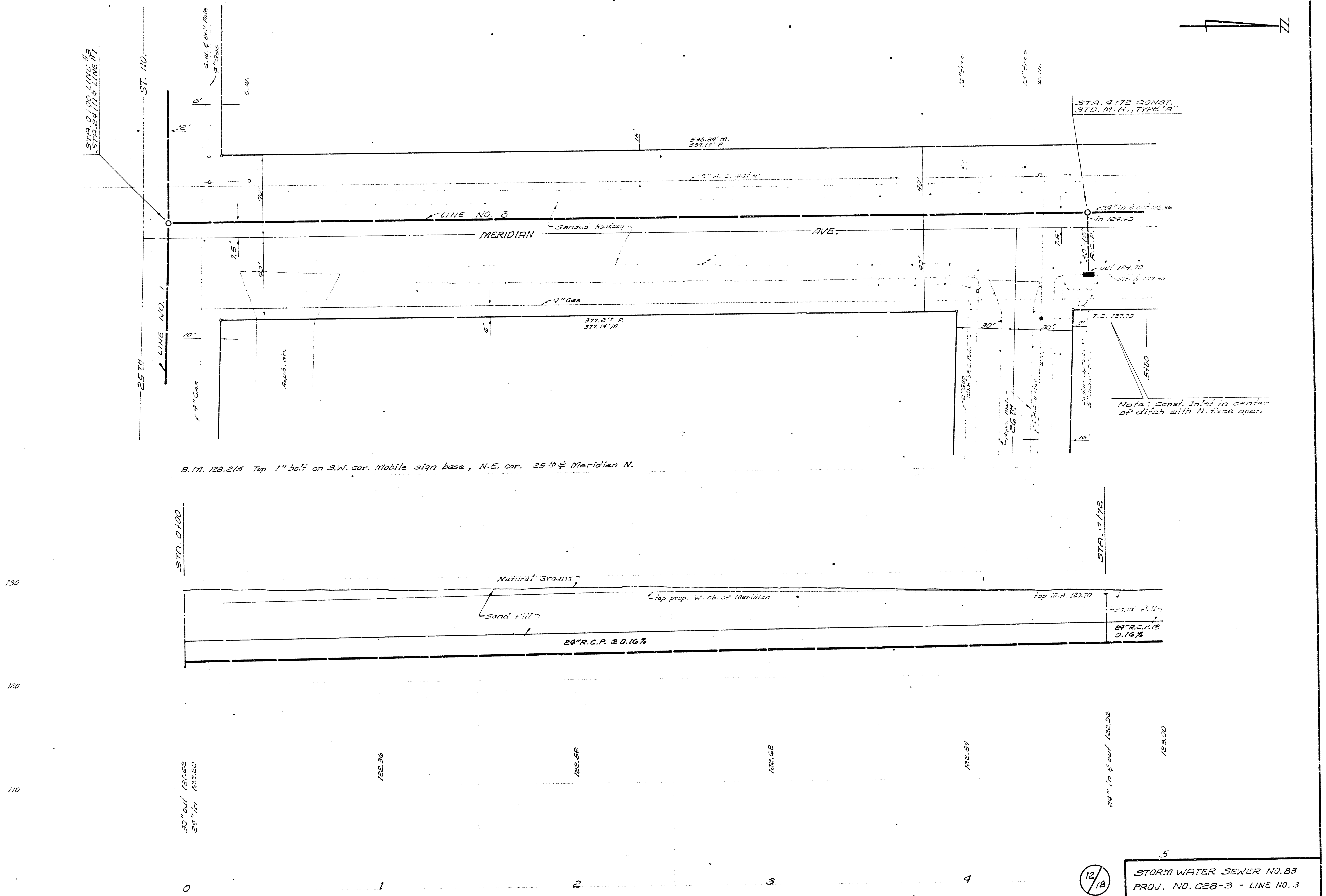
STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 2


Note: Open W. end of inlet
Elev. by field Engineer
Note: Remove R.C.P.
18"x 12" R.C.P. with
9" Conc. & Brk. Headwalls
T.C. 127.00
8'-15" R.C.P.
out 124.00
in 123.80
18" in & out 122.11
ATHENIAN
AVE.
30
30
0'
10'
2'
15'
2" Gas
6'
STA. 6+17 CONST.
STD. M.H., TYPE "A"
26 TH
Iron
Note: Repair asphalt surface
See note on page 13
Asphalt mat
7.5'
STA. 8+48 CONST.
STD. M.H., TYPE "A"
18" out 123.19
in 123.50
30'-15" R.C.P.
32'-15"
R.C.P.
out 123.80
in 123.90
out 124.20
T.C. 127.00
T.C. 127.00
L.Y.MAN
30'
30'
15'
15'
20'
6'
2" Gas
12"x 20' R.C.P.
N

B.M. 127.63 R.R. Spike E. Side P. Pole on S.W. cor. Athenian & Layman

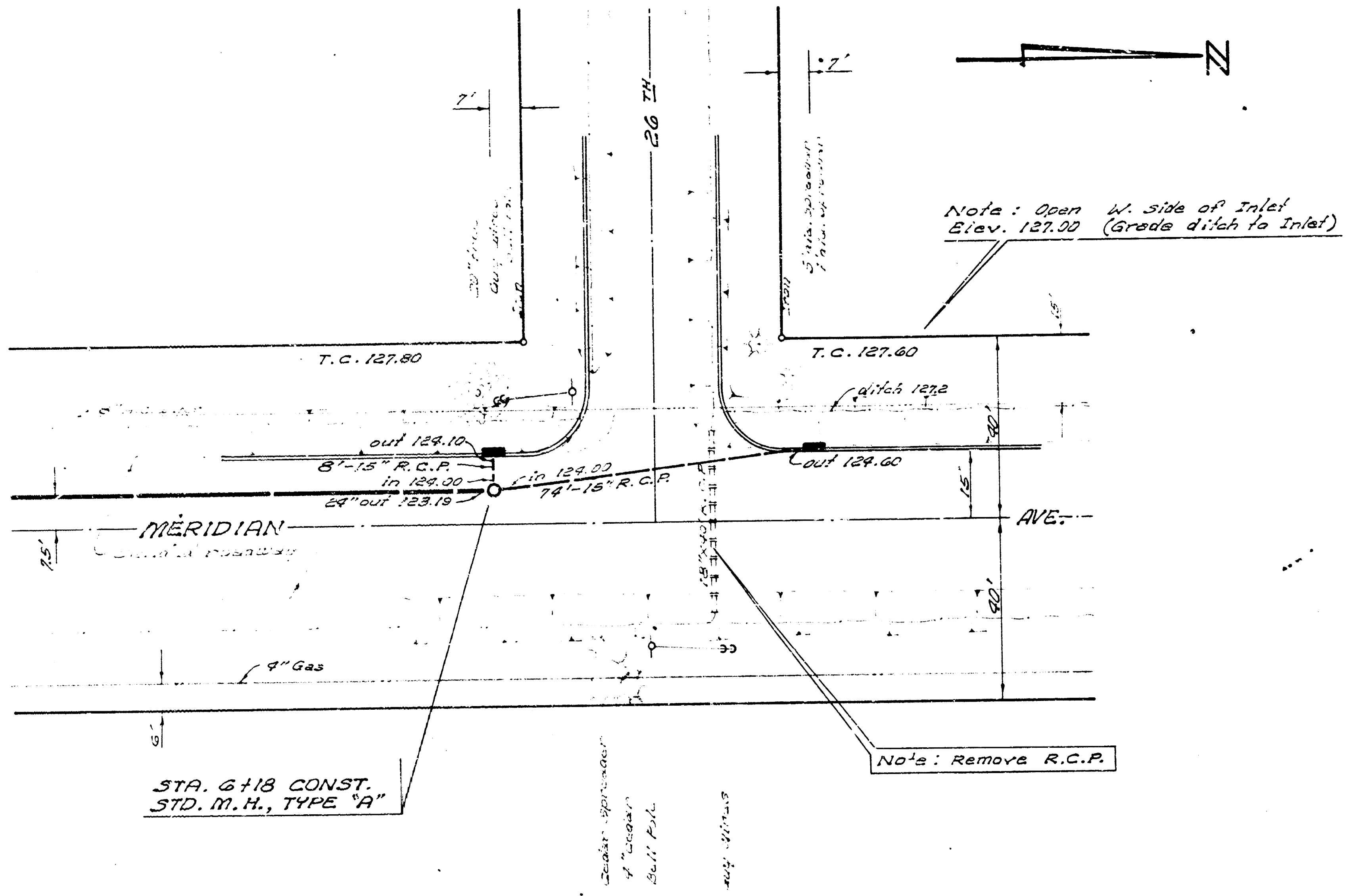

STA. 6+17
STA. 8+48
130
120
110
Natural Ground
top M.H. 126.60
top prop W. cb. of Athenian
top M.H. 127.00
Sand fill
Sand fill
18" R.C.P. @ 0.47%
18" R.C.P. @ 0.47%
121.56
122.03
18" in & out 122.11
122.50
122.97
18" out 123.19
5
6
7
8
9

STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 2



J.F.G. 1/69
STA.0+00 LINE #3
STA.24+15 LINE #1
ST. NO.
25TH
LINE NO. 1
6'
12'
10'
G.W. & Bell Pole
4"Gas
G.W.
15'
596.84' M.
597.17' P.
8" A.C. water
40'
LINE NO. 3
MERIDIAN
Sanded Roadway
AVE.
7.5'
4"Gas
377.2'± P.
377.14' M.
6'
Asph. dr.
12" Fire
12" Fire
W.M.
STA. 4+72 CONST.
STD. M.H., TYPE "A"
24" in & out 122.96
in 124.40
30'-15" R.C.P.
out 124.70
ditch 127.30
30'
30'
7'
T.C. 127.70
5100
16'
26TH
Note: Const. Inlet in center of ditch with N. face open
B.M. 128.215 Top 1" bolt on S.W. cor. Mobile sign base, N.E. cor. 25th & Meridian N.
STA. 0+00
STA. 4+72
130
120
110
Natural Ground
Top prop. W. cb. of Meridian
Top M.H. 127.70
Sand Fill
24"R.C.P. @ 0.16%
24"R.C.P. @ 0.16%
30"out 121.62
24"in 122.20
122.36
122.52
122.68
122.84
24" in & out 122.96
123.00
0
1
2
3
4
5

STORM WATER SEWER NO.83
PROJ. NO. C28-3 - LINE NO.3


N
7'
7'
26 TH
Note : Open W. side of Inlet
Elev. 127.00 (Grade ditch to Inlet)
T.C. 127.80
T.C. 127.60
ditch 127.2
out 124.10
8'-15" R.C.P.
in 124.00
24" out 123.19
in 124.00
74'-15" R.C.P.
out 124.60
15'
30'
15'
90'
MERIDIAN
AVE.
4" Gas
6'
STA. 6+18 CONST.
STD. M.H., TYPE "A"
No's : Remove R.C.P.

GENERAL NOTES

Flush all backfill. Cost of flushing is to be included in bid price of pipe. If excavated material is unsuitable for backfill, sand fill will be used. Compact the backfill around manholes and inlets. The cost of compacting backfill is to be included in the bid price of the structure.

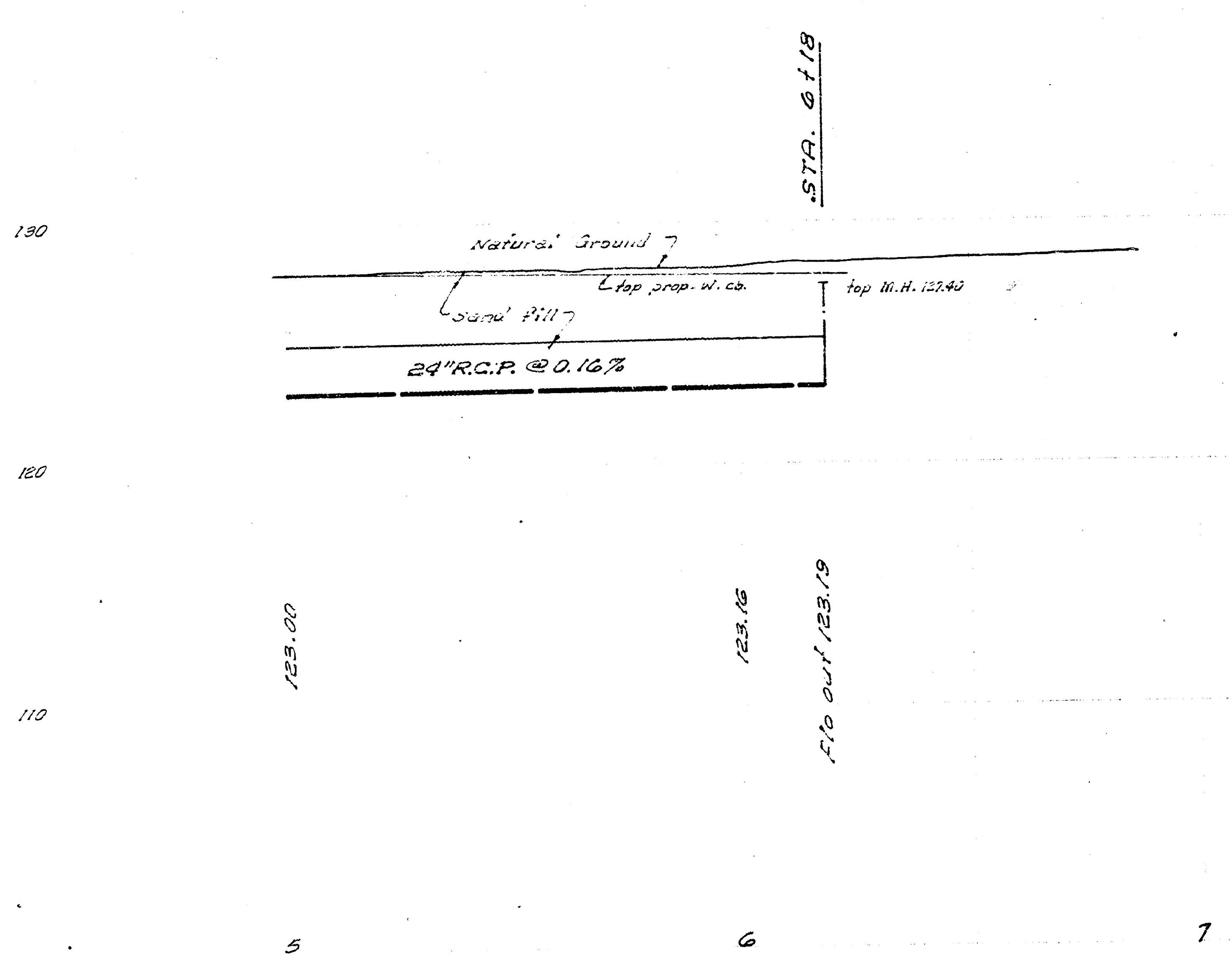
The 30" siphon shall be a lump sum bid item, excluding manholes. 30" C.I.P., 30" elbows, 4 sack back fill, etc. shall be included in lump sum bid.

Contractor shall grade ditches to flo into inlets as directed by field Engineer. Field Engineer is to determine location & elevation of inlet opening.

Flared end sections to be included in bid price of pipe.

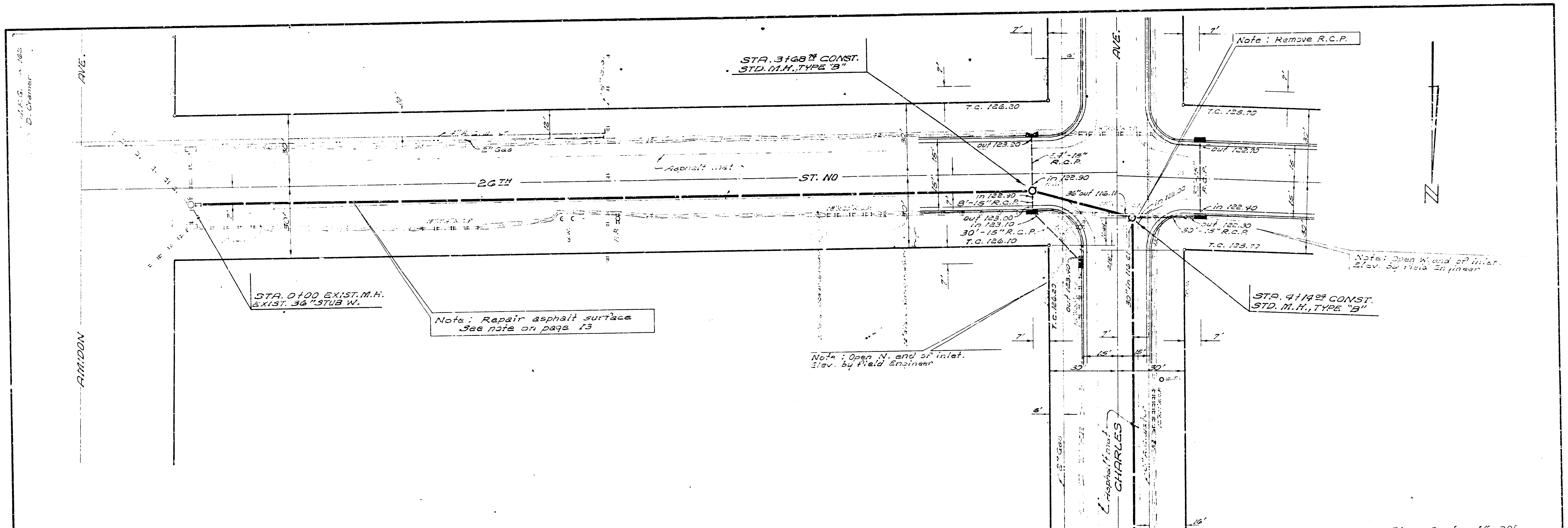
Asphalt surface streets are to be replaced with 2" thick asphaltic concrete. A 6" thick (min.) layer of earth is to be compacted on top of the sand backfill as subgrade for the 2" asphaltic surface. Cost of compacting the earth base is incidental to the project. Asphalt surface removed to be a non pay item.

Culvert pipes abandoned in place shall be plugged as directed by field Engineer. Field Engineer shall determine replacement of culverts.


STA. 6+18
130
Natural Ground
top prop. W. co.
top M.H. 127.40
Sand fill
24"R.C.P. @0.16%
120
110
123.00
123.16
F.lo out 123.19
5
6
7

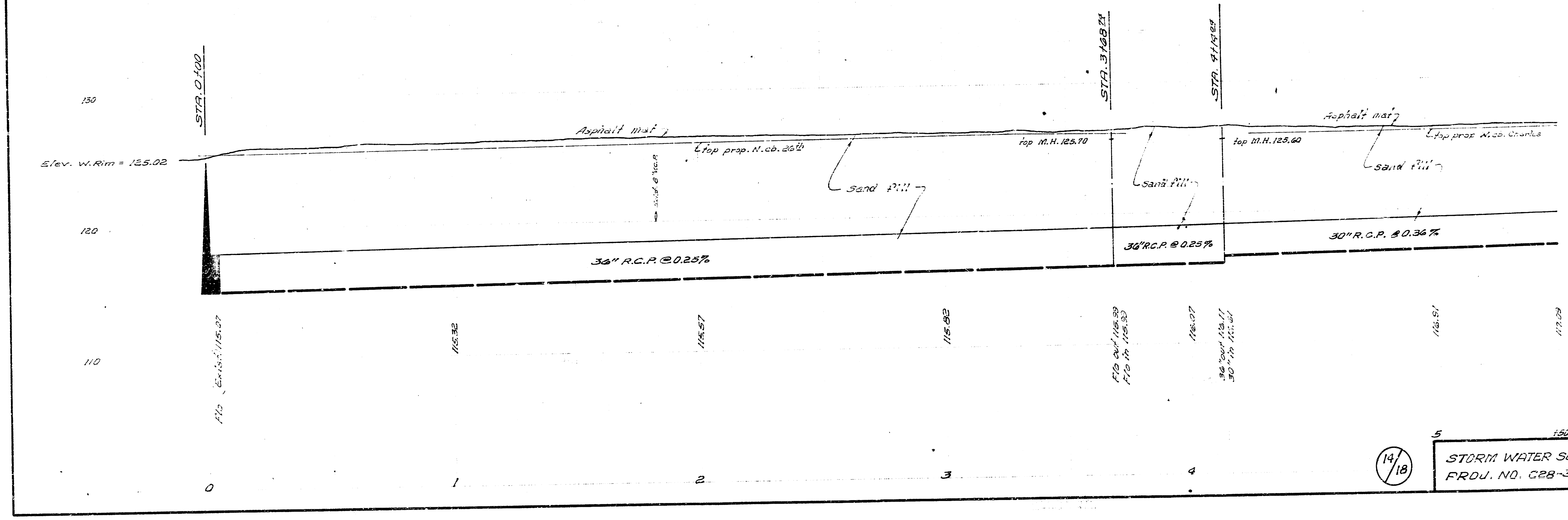
13/18

STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 3


J.F.G.
D. Cramer
AMIDON AVE.
26TH ST. NO
CHARLES AVE.
Asphalt mat
2" Gas
STA. 3+68.74 CONST.
STD. M.H., TYPE "B"
STA. 4+14.09 CONST.
STD. M.H., TYPE "B"
STA. 0+00 EXIST. M.H.
EXIST. 36" STUB W.
Note : Repair asphalt surface
See note on page 13
Note : Remove R.C.P.
Note : Open N. end of inlet.
Elev. by Field Engineer
Note : Open W. end of inlet.
Elev. by Field Engineer
T.C. 126.20
T.C. 125.70
T.C. 126.10
T.C. 125.77
T.C. 126.20
out 123.20
out 122.70
24'-15" R.C.P.
in 122.90
in 122.90
8'-15" R.C.P.
36" out 116.11
in 122.00
in 122.40
out 123.00
in 123.10
30'-15" R.C.P.
out 122.30
30'-15" R.C.P.
out 123.40
30" in 116.61
7'
6'
12'
15'
30'
W.M.
N

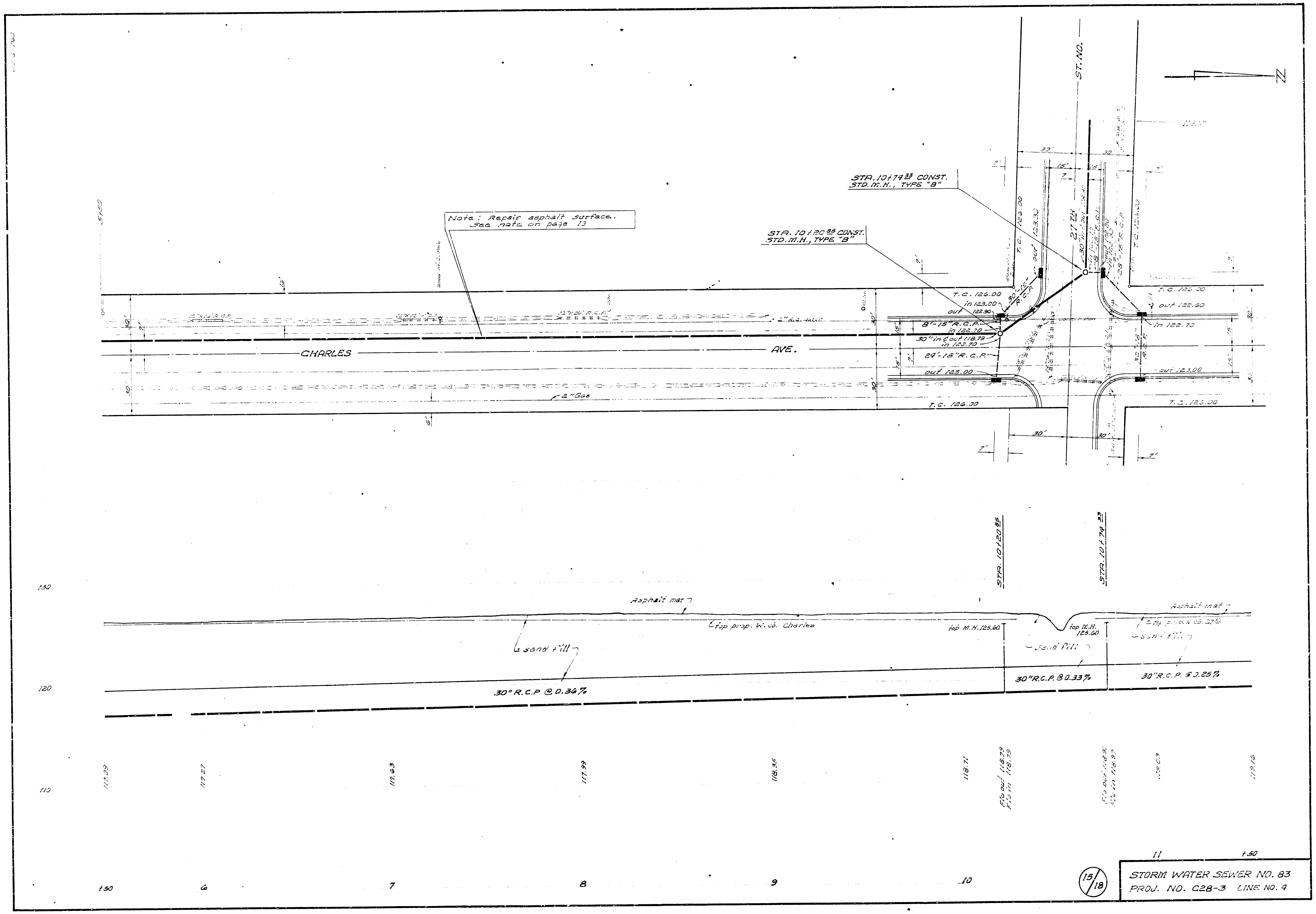
Plan Scale 1"=20'
Profile Scale 1"=20' Hor.
1"=4' Vert.

B.M. 126.34 City Std. @ Amidon & 25th
B.M. 126.93 "X" cut on N.W. cor. conc. sign base on S.E. cor. Amidon & 26th St.
B.M. 125.85 R.R. spike on N.E. side P. Pole N.E. cor. 26th St. & Charles


130
120
110
STA. 0+00
STA. 3+68.74
STA. 4+14.09
Elev. W. Rim = 125.02
Asphalt mat
top prop. N. cb. 26th
top M.H. 125.70
top M.H. 125.60
top prop. N. cb. Charles
Sand fill
Sand fill
Sand fill
36" R.C.P. @ 0.25%
36" R.C.P. @ 0.25%
30" R.C.P. @ 0.36%
Flo Exist. 115.07
115.32
115.57
115.82
Flo out 116.99
Flo in 115.99
116.07
36" out 116.11
30" in 116.61
116.91
117.09
0
1
2
3
4
5
+50

14/18

STORM WATER SEWER NO. 83
PROJ. NO. C28-3 -- LINE NO. 4


ST. NO.
Note: Repair asphalt surface.
See note on page 13
STA. 10+74 33 CONST.
STD. M.H., TYPE "B"
STA. 10+20 85 CONST.
STD. M.H., TYPE "B"
T.C. 126.00
in 123.00
out 122.90
8'-15" R.C.P.
in 122.70
30" in & out 118.79
in 122.70
24'-15" R.C.P.
out 123.00
T.C. 126.00
30'-15" R.C.P.
out 123.30
27 TH
30" in & out 118.97
8'-15" R.C.P.
out 122.20
in 122.30
28'-15" R.C.P.
T.C. 126.00
out 122.60
in 122.70
32'-15" R.C.P.
out 123.00
T.C. 126.00
CHARLES
AVE.
2" Gas
30'
15'
7'
STA. 10+20 85
STA. 10+74 33
130
120
110
Asphalt mat
℄ top prop. W. co. Charles
sand fill
top M.H. 125.60
top M.H. 125.60
sand fill
Asphalt mat
sand fill
30" R.C.P @ 0.36%
30" R.C.P. @ 0.33%
30" R.C.P. @ 0.25%
117.09
117.27
117.63
117.99
118.35
118.71
F.l. out 118.79
F.l. in 118.79
F.l. out 118.97
F.l. in 118.97
119.03
119.16
+50
6
7
8
9
10
11
+50

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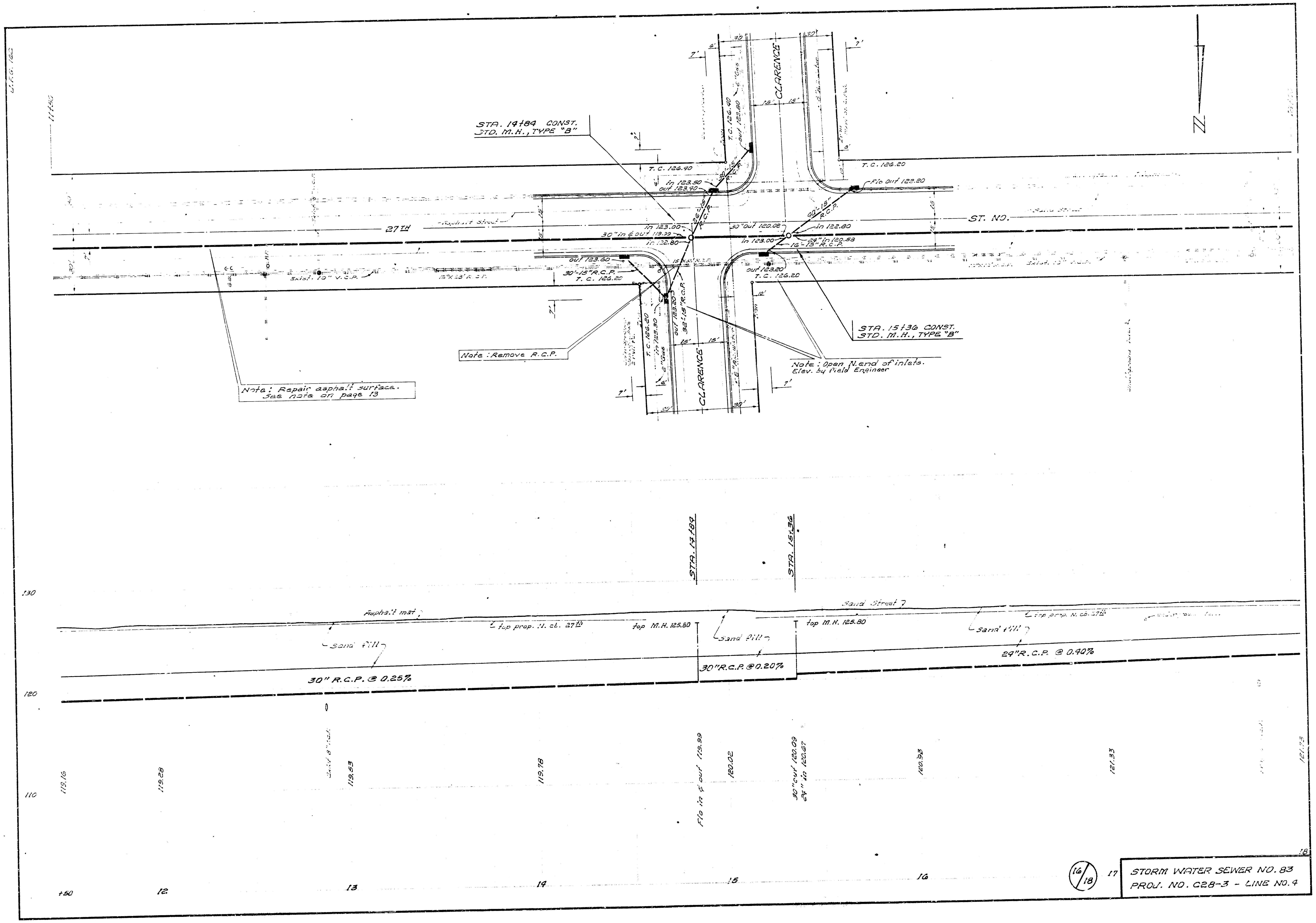
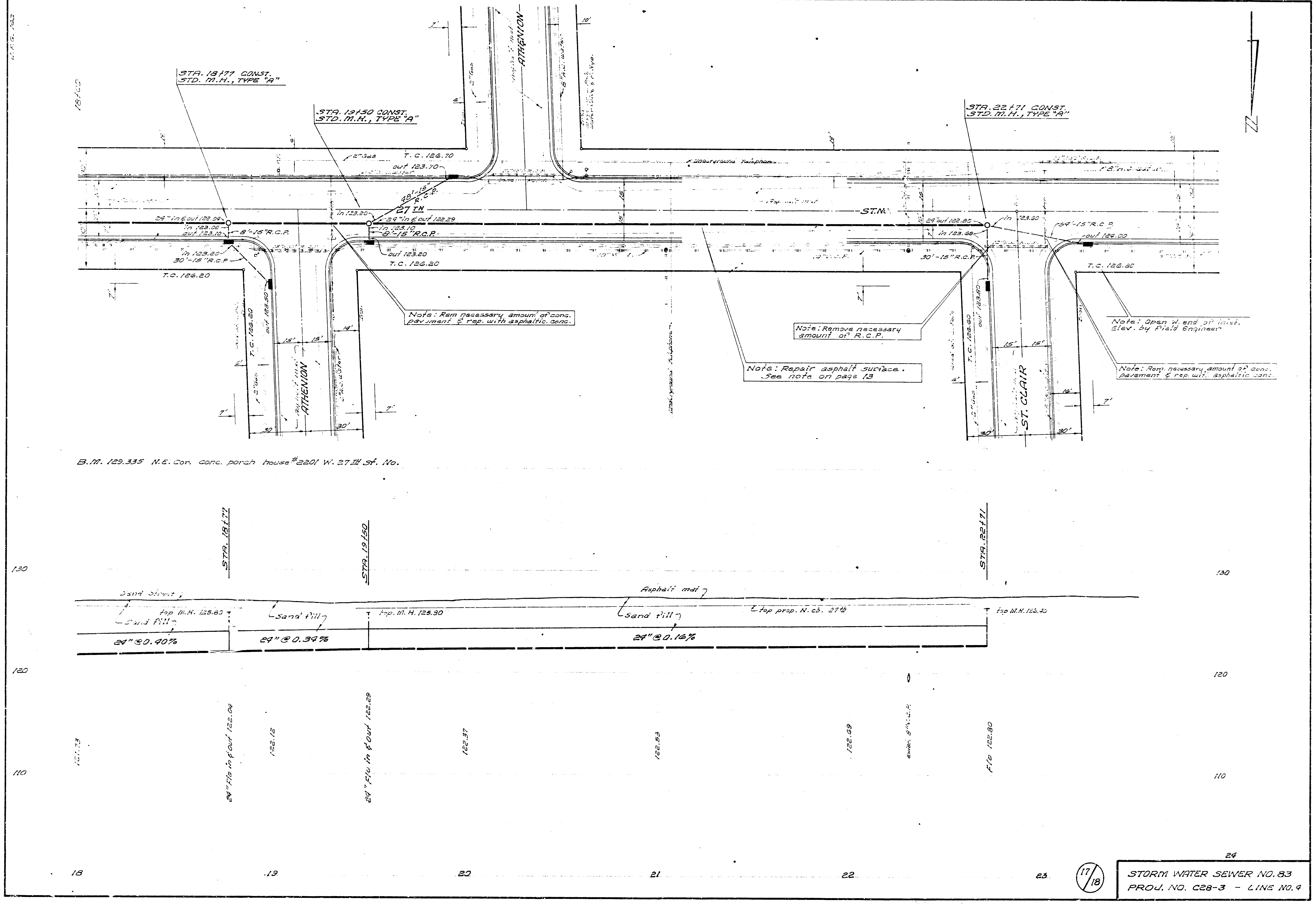
STORM WATER SEWER NO. 83
PROJ. NO. C28-3 LINE NO. 4


STA. 14+84 CONST.
STD. M.H., TYPE "B"
STA. 15+36 CONST.
STD. M.H., TYPE "B"
CLARENCE
CLARENCE
27TH
ST. NO.
Asphalt Street
Sand Street
T.C. 126.40
T.C. 126.40
out 123.80
T.C. 126.20
T.C. 126.20
T.C. 126.20
T.C. 126.20
in 123.50
out 123.40
30'-15" R.C.P.
26'-15" R.C.P.
40'-15" R.C.P.
Flo out 122.20
in 123.00
30" in & out 119.99
in 122.80
30" out 120.08
in 122.80
24" in 120.58
in 123.00
16'-15" R.C.P.
out 123.20
out 123.60
30'-15" R.C.P.
15"x32' R.C.P.
out 123.20
32'-15" R.C.P.
in 123.30
2" Gas
Exist. 10" V.C.P.
15"x23' R.C.P.
G.W.
15'
15'
15'
15'
30'
30'
30'
7'
7'
7'
7'
7'
6'
6'
8'
10'
2'
Note: Remove R.C.P.
Note: Repair asphalt surface.
See note on page 13
Note: Open N. end of inlets.
Elev. by Field Engineer
N
STA. 14+84
STA. 15+36
130
120
110
Asphalt mat
top prop. N. cb. 27th
top M.H. 125.80
top M.H. 125.80
Sand fill
Sand fill
Sand fill
Sand Street
top prop. N. cb. 27th
30" R.C.P. @ 0.25%
30" R.C.P. @ 0.20%
24" R.C.P. @ 0.40%
119.16
119.28
119.53
119.78
Flo in & out 119.99
120.02
30" out 120.09
24" in 120.67
120.93
121.33
121.73
+50
12
13
14
15
16
17
18

STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 4


18+00
STA. 18+77 CONST.
STD. M.H., TYPE "A"
STA. 19+50 CONST.
STD. M.H., TYPE "A"
STA. 22+71 CONST.
STD. M.H., TYPE "A"
ATHENION
ST. CLAIR
27TH
ST. NO.
T.C. 126.70
T.C. 126.20
T.C. 126.80
T.C. 126.60
out 123.70
48'-15" R.C.P.
24" in & out 122.04
in 123.00
out 123.10
8'-15" R.C.P.
in 123.20
30'-15" R.C.P.
out 123.50
in 123.20
24" in & out 122.29
in 123.10
8'-15" R.C.P.
out 123.20
24" out 122.80
in 123.60
in 123.68
54'-15" R.C.P.
out 124.00
30'-15" R.C.P.
out 123.80
2" Gas
Underground Telephone
Asphalt mat
15'
14'
16'
30'
7'
6'
10'
Note: Rem necessary amount of conc. pavement & rep. with asphaltic. conc.
Note: Remove necessary amount of R.C.P.
Note: Repair asphalt surface. See note on page 13
Note: Open W. end of inlet. Elev. by Field Engineer
Note: Rem. necessary amount of conc. pavement & rep. with asphaltic conc.
B.M. 129.335 N.E. Cor. conc. porch house #2201 W. 27th St. No.
STA. 18+77
STA. 19+50
STA. 22+71
130
120
110
Sand Street
Sand Fill
top M.H. 125.80
Sand Fill
top M.H. 125.90
Asphalt mat
Sand Fill
top prop. N. cb. 27th
top M.H. 126.40
24" @ 0.40%
24" @ 0.34%
24" @ 0.16%
121.73
24" F/L in & out 122.04
122.12
24" F/L in & out 122.29
122.37
122.53
122.69
F/L 122.80
18
19
20
21
22
23
24

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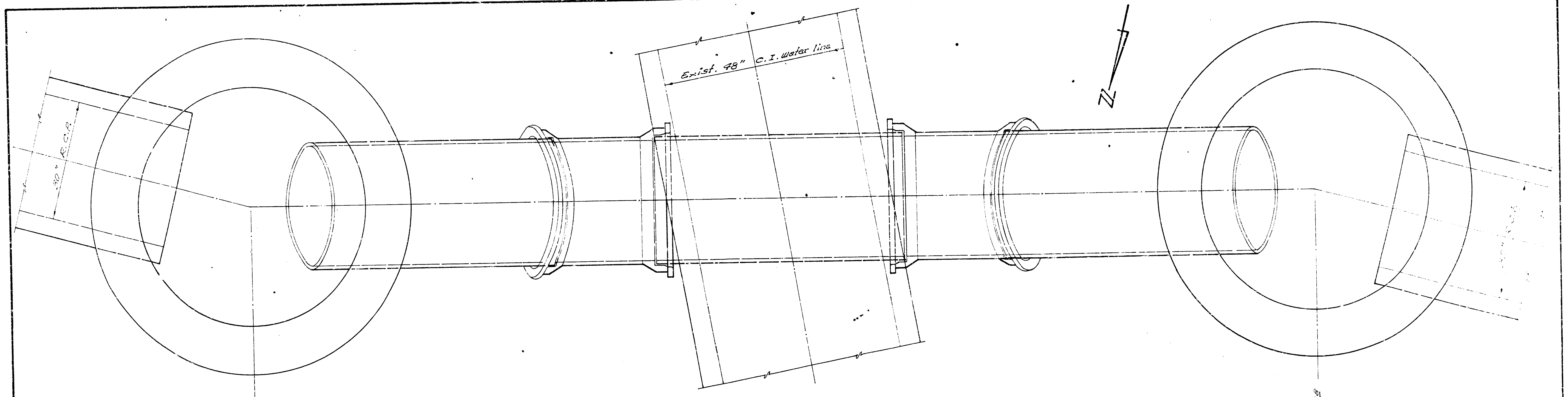
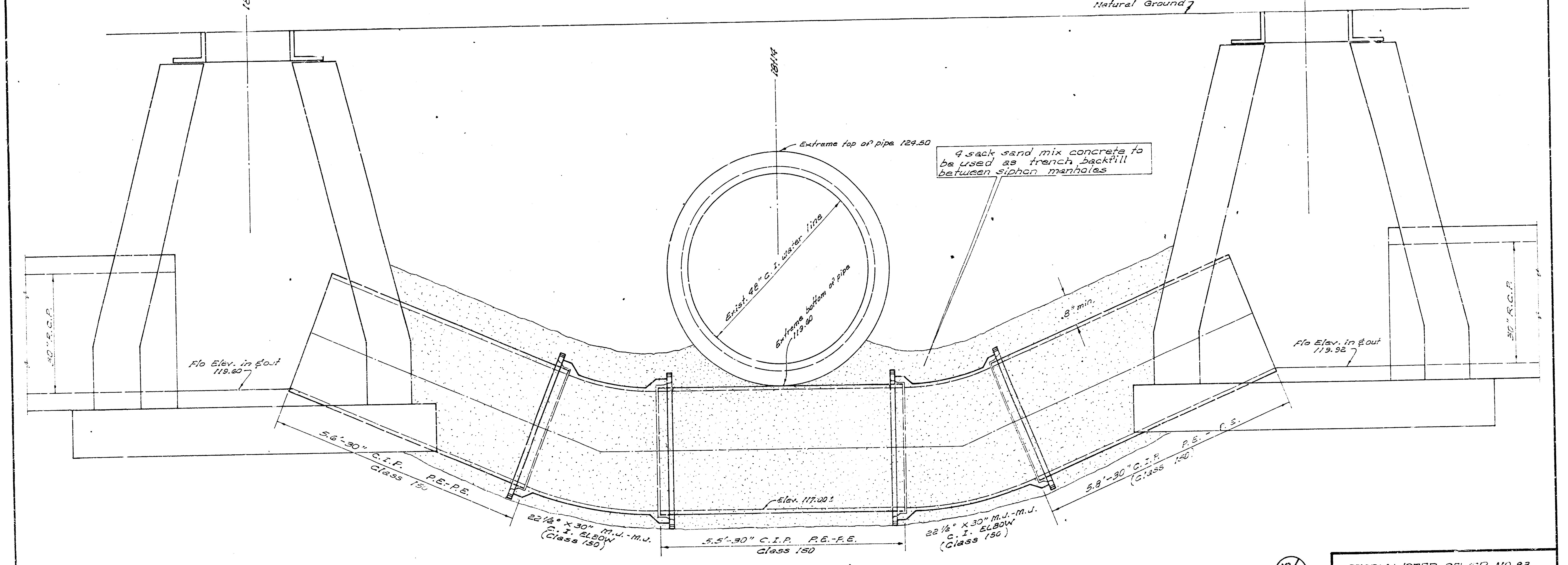
STORM WATER SEWER NO. 83
PROJ. NO. C28-3 - LINE NO. 4


Exist. 48" C.I. water line
30" R.C.P.
N
18+02^{4}
18+25^{8}

PLAN
"Siphon" Sta. 18+02^{4} to 18+25^{8} Ln. #1
Scale 1" = 1.0'


Natural Ground
18+14
Extreme top of pipe 124.50
4 sack sand mix concrete to be used as trench backfill between siphon manholes
Exist. 48" C.I. water line
Extreme bottom of pipe 119.60
.8" min.
30" R.C.P.
Flo Elev. in & out 119.60
Flo Elev. in & out 119.92
30" R.C.P.
5.6'-30" C.I.P. P.E.-P.E. Class 150
22½° x 30" M.J.-M.J. C.I. ELBOW (Class 150)
Elev. 117.00±
5.5'-30" C.I.P. P.E.-P.E. Class 150
22½° x 30" M.J.-M.J. C.I. ELBOW (Class 150)
5.8'-30" C.I.P. P.E.-P.E. (Class 150)

SECTION

18/18

STORM WATER SEWER NO. 83
PROJ. NO. C28-3 (SIPHON DETAIL)