BENCH MARK #17
Conc. Base on Lightpole
at Valvoline Oil Change
Sta. 68+54.97, 85.04' Rt.
Elev. 756.38

Angilo's
1 Sty. Conc.
Comm.

Blue Cactus
1 Story Conc.
Comm.

ACE Hardware
1 Sty. Conc.
Comm.

*7886
Guenthers Steak House
1 Sty. Fr. Comm.

*7908
West Chester
Office Complex
1 Sty. Br.

*7865
Amazon Pets
1½ Sty. Blk.
& Siding Comm.

*7875
Valvoline
1 Sty. Blk.
Comm.

*7887
Paul W. Powell Contractor

Match Line - Sta. 65+00

Match Line - Sta. 70+00

PROP. CINCINNATI-DAYTON RD. (CR19) 69+00

S02°32'46"W

66+00

67+00

68+00

Construction Limits (Typ.)

TEMPORARY EASEMENT

Sawcut Line at 43.0', Lt.

Sawcut Line at 43.0', Rt.

Sawcut Line at 66.0', Rt.

Pavement Crown
6' (Typ.)

Headwall
See Sheet 429
For Details

Rock Channel Protection, Type B
W/ Fabric Filter, T=30
367 ft x 2.5 /27 = 34 Cu. Yd..

See Sheet 447

See Sheet 436

Do Not Disturb

FOR PAVEMENT LEGEND, SEE SHEET 171
FOR PROFILES, SEE SHEETS 190-199
FOR CROSS SECTIONS, SEE SHEETS 200-285
FOR SUPERELEVATION TABLE SEE SHEET 419-422
FOR INTERSECTION DETAILS, SEE SHEETS 423-427
FOR DRAINAGE DETAILS, SEE SHEETS 434-449
FOR TRAFFIC CONTROL, SEE SHEETS 469-494
FOR TRAFFIC SIGNAL PLANS, SEE SHEETS 495-516
FOR CAST-IN-PLACE STRUCTURES, SEE SHEETS 527-565
FOR PREFABRICATED STRUCTURES, SEE SHEETS 452-468
FOR RIGHT-OF-WAY, SEE SHEETS 566-608

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JMD
CHECKED GKB

CINCINNATI-DAYTON ROAD (CR19) PLAN
STA. 70+00.00 TO STA. 65+00.00

BUT-CR19-3.20

175
608

℄ REFERENCE
P.O.T. STA. 75+00
IPS 34.95' 38.06' IPS
74 76 ℄
STA. 75+00 IPS 28.48'

*7908
West Chester
Office Complex
1 Sty. Br.

Concrete Divider Wall

Construction Limits (Typ.)

*7950
1 Sty. Fr. Comm.
Lakota Drive-Thru

Ex. Shed

+34.5; ℄ Comm. Dr.
20' Concrete

+97.0; ℄ Comm. Dr.
20' Concrete

+65.0; ℄ Comm. Dr.
35' Asphalt

+51; ℄ Comm. Dr.
35' Asphalt

Prop. CB-2-2BT

Handicap Ramp

Grass

U.S. Mail Box

Ex. Sign
Lights
Landscaping

TEMPORARY EASEMENT

Asphalt
Sawcut Line at 43.0', Lt.-
9 Parking Spaces

Ex. Billboard

Ex. RR Ties

Asphalt

Conc. Slab

Ex. Walk

Conc.

Asphalt

Ex. RR Ties

Ex. Brick Planter Box

Ex. Gas Line

Ex. Sign

Ex. Fire Hydrant

Ex. Tree

18" Save
24" Save
18" Save

Ex. Water MH

Ex. San MH
Not Fd.

Ex. WM

Ex. Inlet

Prop. CB-3A

Prop. 12" Storm

Prop. 18" DIP

Prop. 15" Storm

Prop. 12" Storm

Prop. 15" Storm

Concrete

Ex. Sign

Ex. Ret. Wall

Ref. Wall B31290

Ex. Post & Chain Fence

Pavement Crown
6' (Typ.)

71+00

72+00 ℄ Construction

73+00 ℄ PROP. CINCINNATI-DAYTON RD. (CR19) 74+00 S02°32'46"W

Match Line - Sta. 70+00

Match Line - Sta. 75+00

(13) Ducts

(4) Ducts

Ex. Conc. Pillar and Wall

B31291
(3) Ducts

Ex. OBT. MH
#1048

Ex. OBT. MH
#1756

4 Bushes

Ex. Sign

Ex. Air Pump

Ex. WM

B31292
3 Bushes

7 Bushes

7 Bushes, 1 Tree

Ex. Planter

Ex. Sign

Ex. Sign

Ex. Sign

℄ REFERENCE
P.O.T. STA. 75+00
IPS 34.95 37.98 IPS
74 76 ℄
STA. 75+00
28.46 IPS

Match Line - Sta. 75+00

*7974
TEMPORARY EASEMENT
Construction Limits (Typ.)

Pasture

Could be Developed

*7984
1 Sty.
Blk. Resid.

*7990
1 Sty.
Blk. Resid.

Gravel

+54.9 ℄ Resid. Dr.
12' Gravel

+26.6 ℄ Resid. Dr.
12' Gravel

+68.2 ℄ Resid. Dr.
12' Gravel

Ex. Conc. Walk

Ex. Sign

Prop. CB-3

Prop. 42" Storm

Prop. 12" Storm

Prop. CB-3A

Ex. R/W

Ex. Woven Wire Fence

Prop. 10" DIP

Ex. 8" San

Ex. San MH

4' SWPC-1P

Ex. Sign

Asphalt

Ex. Woven Wire Fence

Ex. Gravel

Ex. Wood Fence

Ex. Waggon Wheel Ditch

Ex. Asphalt

Ex. Gravel

Ex. Walk

Ex. Yard Drain

Prop. CB-3A

Prop. 12" Storm

Prop. 21" Storm

Prop. 42" Storm

Prop. 12" Storm

Ex. CB

Ex. 12" S

Ex. 8" W

Ex. WM

Ex. Fire Hydrant

Ex. Gas Line

Ex. Gas Valve

Ex. Gas Meter

Ex. Gas Marker

Ex. Power Pole

Ex. Guy Anchor

Ex. Overhead Power Line

Ex. Underground Power Line

Ex. Underground Telephone Line

Ex. Underground Cable TV Line

Ex. Underground Fiber Optic Line

Ex. Underground Gas Line

Ex. Underground Water Line

Ex. Underground Sewer Line

Ex. Underground Storm Sewer Line

Ex. Underground Electric

CINCINNATI-DAYTON ROAD (CR19) PLAN
STA. 80+00.00 TO STA. 85+00.00

BUT-CR19-3.20

CALCULATED JMD
CHECKED GKR

HORIZONTAL CONTROL DATUM

TEMPORARY EASEMENT
*7998 1 1/2 Sty. Br. Resid.
71-UD
54-WW
55-WW
36-R
33-DR
92.2' ℄ Resid. Dr. 16.5' Asphalt
35-DR
57-WW
86-DR
124.4' ℄ Resid. Dr. 12" Asphalt
*8000 1 Sty. Br. Resid.
87.5' ℄ Resid. Dr. 16.5' Asphalt
Construction Limits (Typ.)
TEMPORARY EASEMENT
*8002 - 1 Sty. Br. Resid.
59-WW
72-UD
36-DR
76.6' ℄ Comm. Dr. 17.8' Concrete
61-WW
*8004 - 1 Sty. Br. Resid.
Ex. Landscaping
38-DR
69.4' ℄ Resid. Dr. 16' Concrete
Do Not Disturb
6-WW
TEMPORARY EASEMENT
*8044 - 1 Sty. Br. Resid.
39-DR
65.4' ℄ Resid. Dr. 28' Asphalt
42-R
63-WW
64-WW
65-WW
BM #9
Conc.
Asphalt
Concrete
Basketball Hoop
2 Ex. Planters
Ex. Conc. Wall
Save
Prop. CB-3A
Prop. 10" DIP
Ex. R/W
Match Line - Sta. 80+00
℄ PROP. CINCINNATI-DAYTON RD. (CR19)
Prop. 12" Storm
Prop. MH-3
Prop. 18" 67BT 824Q B3129BT Storm
Pavement Crown 6' (Typ.)
(3) Ducts
Ex. Sign
4" SWPC-1P
Prop. 8" DIP
Ex. GV
Ex. WV
Ex. MH
Ex. Storm MH
Prop. 6" Tap
Ex. DBT MH
B31256
Prop. CB-3A
Prop. 15" Storm
Ex. WM
Ex. HW
Ex. Storm
Sta. 84+65.09 CIN-DAY ROAD
Sta. 500+00.00 LAKELAND COURT
℄ Construction
S02°32'46"W
84+00
89+44.06
32-SS
41-R
42-D
6" Pine
Cut & Plug
Ex. Sign
BM #4
8-WW
40-R
39-R
38-R
37-R
48-D
35-R
40-D
36-UD
56-WW
34-DR
101-DR 14.6' Asphalt
108-D
83-DR
37-UD
41-D
58-WW
60-WW
TEMPORARY EASEMENT
Construction Limits (Typ.)
37-DR
58.6' ℄ Resid. Dr. 12" Asphalt
111.6' ℄ Resid. Dr. 15.9' Asphalt
38-UD
62-WW
107-UD
110-D
101-D
℄ PROP. LAKELAND COURT 499
S87°11'22"E
Prop. CB-3A
Prop. 12" Storm
Ex. R/W
Ex. Stone HW
Ex. Sign
15" Pine
TEMPORARY EASEMENT
Construction Limits (Typ.)
Match Line - Sta. 85+00
9.51'
10.61'
0.022
0.031
6½" Asphalt
LAKELAND CT.
TYPICAL ADJOINING SECTION (NTS)
STA. 497+20
*8015 1 Sty. Br. Resid.
Ex. Ret. Wall
*8027 1 Sty. Br. Resid.
*8039 1 Sty. Br. Resid.
*6882 1 Sty. Br. Resid.
43-R
105-UD
85-DR
44-R
106-UD
498
90°
Ex. Bush
12.0'
12.0'
End Taper Sta. 497+90.00
Save
Pine
Match Line - Sta. 497+50

Match Line - Sta. 497+50
TEMPORARY EASEMENT
105-UD
Pine
Trans. Curb Height From 0" to 6"
Begin Taper Sta. 497+20.00
No *
Pine
Pine
Ex. GV
Ex. WM
Ex. Bush
℄ Construction
TEMPORARY EASEMENT
106-UD
Trans. Curb Height From 0" to 6"
9.51'
10.61'
497
Ex. Bush
Ex. Landscaping
Conc.
12" SS
Conc.
Ex. Bush
24"
BEGIN WORK STA. 496+70.00 LAKELAND CT.
*6856 1 Sty. Br. Resid.
*6867 1 Sty. Br. Resid.
Ex. WM
Ex. Bush
Ex. R/W
Ex. R/W
Ex. WM
Construction Limits (Typ.)

BENCH MARK *4
NW Corner Headwall
South Side of Lakeland Ct.
Sta. 84+85.94,38.30' Rt.
Elev. 802.50

BENCH MARK *9
*8044 Cin-Day Road
South Corner of Porch
Sta. 84+54.02,77.79' Lt.
Elev. 795.99

FOR PAVEMENT LEGEND, SEE SHEET 171
FOR PROFILES, SEE SHEETS 190-199
FOR CROSS SECTIONS, SEE SHEETS 200-285
FOR SUPERELEVATION TABLE SEE SHEET 419-422
FOR INTERSECTION DETAILS, SEE SHEETS 423-427
FOR DRAINAGE DETAILS, SEE SHEETS 434-449
FOR TRAFFIC CONTROL SEE SHEETS 469-494
FOR TRAFFIC SIGNAL PLANS, SEE SHEETS 495-516
FOR CAST-IN-PLACE STRUCTURES, SEE SHEETS 527-565 Save
FOR PREFABRICATED STRUCTURES, SEE SHEETS 452-468
FOR RIGHT-OF-WAY, SEE SHEETS 566-608

NOTE: THE PAVEMENT SYMBOLISM SHOWN IS FOR THE ASPHALT CONCRETE ALTERNATE ONLY. FOR THE PAVEMENT COMPOSITION AND LOCATIONS FOR THE CONCRETE ALTERNATE, SEE SHEETS 4-11A AND INTERSECTION DETAILS, SHEETS 423-427A.

NOTE: BEGIN ASPHALT CONCRETE PAVEMENT ON LAKELAND CIRCLE AT STA. 499+50. SEE TYPICAL SECTION SHEET 11A.

℄ REFERENCE
P.O.T. STA. 496+00
LAKELAND CT.
497
43.06
49.76
174.76
IPS
STA. 496+00
495

℄ REFERENCE
P.O.T. STA. 84+63.1
85.84
84
85
℄
31.53
39.01
STA. 84+63.1

CURVE DATA
Curve No. 2
P.I. STA. 87+72.62
Δ= 3°06'50", Rt.
Dc= 0°52'30"
R= 6548.09'
T= 177.98'
L= 355.87'
E= 2.42'

℄ REFERENCE
P.I. STA. 87+72.62
IPS 33.65 35.18 IPS
PK SET
Tan. 87
Tan. 88
STA. 87+72.62
38.65' Dr.

BENCH MARK #4
NW Corner Headwall
South Side of Lakeland Ct.
Sta. 84+85.94;38.30' Rt.
Elev. 802.50

HORIZONTAL SCALE IN FEET
0 10 20

CALCULATED JMD
CHECKED GKB

CINCINNATI-DAYTON ROAD (CR19) PLAN
STA. 85+00.00 TO STA. 90+00.00

BUT-CR19-3.20

179
608

FOR PAVEMENT LEGEND, SEE SHEET 171
FOR PROFILES, SEE SHEETS 190-199
FOR CROSS SECTIONS, SEE SHEETS 200-285
FOR SUPERELEVATION TABLE SEE SHEET 419-422
FOR INTERSECTION DETAILS, SEE SHEETS 423-427
FOR DRAINAGE DETAILS, SEE SHEETS 434-449
FOR TRAFFIC CONTROL, SEE SHEETS 469-494
FOR TRAFFIC SIGNAL PLANS, SEE SHEETS 495-516
FOR CAST-IN-PLACE STRUCTURES, SEE SHEETS 527-565
FOR PREFABRICATED STRUCTURES, SEE SHEETS 452-468
FOR RIGHT-OF-WAY, SEE SHEETS 566-608

CINCINNATI-DAYTON ROAD (CR19) PLAN
STA. 90+00.00 TO STA. 95+00.00

HORIZONTAL SCALE IN FEET

CALCULATED JMD
CHECKED GKB

BUT-CR19-3.20

180
608

*8120
1 Sty. Br. Resid.

*8124
1 Sty. Br. Resid.

*8130
1 Sty. Br. Resid.

*8134
1 Sty. Br. Resid.

Construction Limits (Typ.)
TEMPORARY EASEMENT

16.7¢ Resid. Dr.
12" Asphalt

18.6¢ Resid. Dr.
12.4" Concrete

13.7¢ Resid. Dr.
12" Concrete
(by Others)

10.0¢ Resid. Dr.
12" Concrete
(by Others)

92.6¢ Resid. Dr.
12" Asphalt
15.6" Gravel

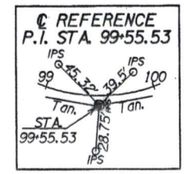
Landscaping
Trees and Brush
Asphalt
Concrete
Rock
Ex. Rdwy Pole
Ex. Sign
Ex. Mail Box
Ex. Fire Hydrant
Ex. Water Valve
Ex. Gas Valve
Ex. Sanitary MH
Ex. Storm MH
Ex. Combination MH
Ex. Catch Basin
Ex. Inlet
Ex. Curb Inlet
Ex. Flared End Section
Ex. Traf. Ctrl. Box
Ex. Rolled Asph. Curb
Ex. Concrete Curb
Ex. Planter & Landscaping
Ex. Walk
Ex. 2x2 CB
Ex. CB
Ex. F.H.
Ex. Water Meter
Ex. Water Line
Ex. Storm Line
Ex. Sanitary Line
Ex. Gas Line
Ex. Overhead Utility Line
Ex. Underground Telephone Line
Ex. Underground Electric Line
Ex. Underground Cable TV Line
Ex. Underground Fiber Optic Line
Ex. Underground Gas Line
Ex. Underground Water Line
Ex. Underground Storm Line
Ex. Underground Sanitary Line
Ex. Underground Combination Line
Ex. Underground Telephone Duct
Ex. Underground Electric Duct
Ex. Underground Cable TV Duct
Ex. Underground Fiber Optic Duct
Ex. Underground Gas Duct
Ex. Underground Water Duct
Ex. Underground Storm Duct
Ex. Underground Sanitary Duct
Ex. Underground Combination Duct
Ex. Underground Telephone Duct Bank
Ex. Underground Electric Duct Bank
Ex. Underground Cable TV Duct Bank
Ex. Underground Fiber Optic Duct Bank
Ex. Underground Gas Duct Bank
Ex. Underground Water Duct Bank
Ex. Underground Storm Duct Bank
Ex. Underground Sanitary Duct Bank
Ex. Underground Combination Duct Bank

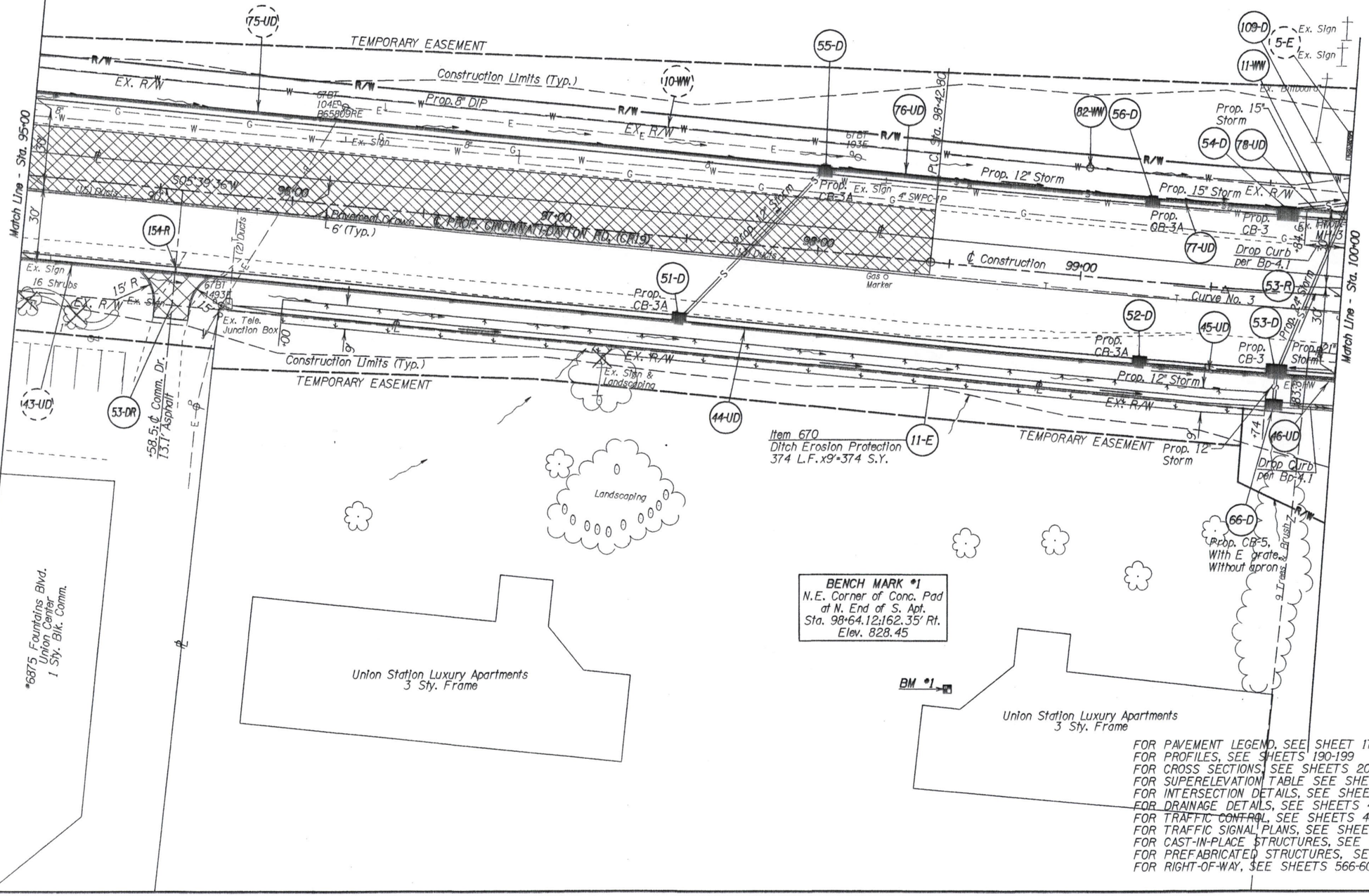
74-WW
73-UD
75-WW
16-WW
50-R
41-DR
74-UD
76-WW
28-SS
48-DR
51-R
79-WW
78-WW
77-WW
50-D
52-R
29-SS
80-WW
51-DR
52-DR
81-WW
10-WW
75-UD
106-D
108-UD
117-R
41-UD
3-E
4-E
9-WW
109-UD
118-R
42-UD
43-UD

Prop. 10" DIP
Prop. 8" DIP
Prop. 12" Storm
Prop. CB-3A
Prop. MH-3
Prop. 12" Storm Sewer
Prop. 15" R
Prop. 24" Storm Sewer
Prop. 30" Storm Sewer
Prop. 36" Storm Sewer
Prop. 42" Storm Sewer
Prop. 48" Storm Sewer
Prop. 54" Storm Sewer
Prop. 60" Storm Sewer
Prop. 72" Storm Sewer
Prop. 84" Storm Sewer
Prop. 96" Storm Sewer
Prop. 108" Storm Sewer
Prop. 120" Storm Sewer
Prop. 132" Storm Sewer
Prop. 144" Storm Sewer
Prop. 156" Storm Sewer
Prop. 168" Storm Sewer
Prop. 180" Storm Sewer
Prop. 192" Storm Sewer
Prop. 204" Storm Sewer
Prop. 216" Storm Sewer
Prop. 228" Storm Sewer
Prop. 240" Storm Sewer
Prop. 252" Storm Sewer
Prop. 264" Storm Sewer
Prop. 276" Storm Sewer
Prop. 288" Storm Sewer
Prop. 300" Storm Sewer
Prop. 312" Storm Sewer
Prop. 324" Storm Sewer
Prop. 336" Storm Sewer
Prop. 348" Storm Sewer
Prop. 360" Storm Sewer
Prop. 372" Storm Sewer
Prop. 384" Storm Sewer
Prop. 396" Storm Sewer
Prop. 408" Storm Sewer
Prop. 420" Storm Sewer
Prop. 432" Storm Sewer
Prop. 444" Storm Sewer
Prop. 456" Storm Sewer
Prop. 468" Storm Sewer
Prop. 480" Storm Sewer
Prop. 492" Storm Sewer
Prop. 504" Storm Sewer
Prop. 516" Storm Sewer
Prop. 528" Storm Sewer
Prop. 540" Storm Sewer
Prop. 552" Storm Sewer
Prop. 564" Storm Sewer
Prop. 576" Storm Sewer
Prop. 588" Storm Sewer
Prop. 600" Storm Sewer
Prop. 612" Storm Sewer
Prop. 624" Storm Sewer
Prop. 636" Storm Sewer
Prop. 648" Storm Sewer
Prop. 660" Storm Sewer
Prop. 672" Storm Sewer
Prop. 684" Storm Sewer
Prop. 696" Storm Sewer
Prop. 708" Storm Sewer
Prop. 720" Storm Sewer
Prop. 732" Storm Sewer
Prop. 744" Storm Sewer
Prop. 756" Storm Sewer
Prop. 768" Storm Sewer
Prop. 780" Storm Sewer
Prop. 792" Storm Sewer
Prop. 804" Storm Sewer
Prop. 816" Storm Sewer
Prop. 828" Storm Sewer
Prop. 840" Storm Sewer
Prop. 852" Storm Sewer
Prop. 864" Storm Sewer
Prop. 876" Storm Sewer
Prop. 888" Storm Sewer
Prop. 900" Storm Sewer
Prop. 912" Storm Sewer
Prop. 924" Storm Sewer
Prop. 936" Storm Sewer
Prop. 948" Storm Sewer
Prop. 960" Storm Sewer
Prop. 972" Storm Sewer
Prop. 984" Storm Sewer
Prop. 996" Storm Sewer
Prop. 1008" Storm Sewer
Prop. 1020" Storm Sewer
Prop. 1032" Storm Sewer
Prop. 1044" Storm Sewer
Prop. 1056" Storm Sewer
Prop. 1068" Storm Sewer
Prop. 1080" Storm Sewer
Prop. 1092" Storm Sewer
Prop. 1104" Storm Sewer
Prop. 1116" Storm Sewer
Prop. 1128" Storm Sewer
Prop. 1140" Storm Sewer
Prop. 1152" Storm Sewer
Prop. 1164" Storm Sewer
Prop. 1176" Storm Sewer
Prop. 1188" Storm Sewer
Prop. 1200" Storm Sewer
Prop. 1212" Storm Sewer
Prop. 1224" Storm Sewer
Prop. 1236" Storm Sewer
Prop. 1248" Storm Sewer
Prop. 1260" Storm Sewer
Prop. 1272" Storm Sewer
Prop. 1284" Storm Sewer
Prop. 1296" Storm Sewer
Prop. 1308" Storm Sewer
Prop. 1320" Storm Sewer
Prop. 1332" Storm Sewer
Prop. 1344" Storm Sewer
Prop. 1356" Storm Sewer
Prop. 1368" Storm Sewer
Prop. 1380" Storm Sewer
Prop. 1392" Storm Sewer
Prop. 1404" Storm Sewer
Prop. 1416" Storm Sewer
Prop. 1428" Storm Sewer
Prop. 1440" Storm Sewer
Prop. 1452" Storm Sewer
Prop. 1464" Storm Sewer
Prop. 1476" Storm Sewer
Prop. 1488" Storm Sewer
Prop. 1500" Storm Sewer
Prop. 1512" Storm Sewer
Prop. 1524" Storm Sewer
Prop. 1536" Storm Sewer
Prop. 1548" Storm Sewer
Prop. 1560" Storm Sewer
Prop. 1572" Storm Sewer
Prop. 1584" Storm Sewer
Prop. 1596" Storm Sewer
Prop. 1608" Storm Sewer
Prop. 1620" Storm Sewer
Prop. 1632" Storm Sewer
Prop. 1644" Storm Sewer
Prop. 1656" Storm Sewer
Prop. 1668" Storm Sewer
Prop. 1680" Storm Sewer
Prop. 1692" Storm Sewer
Prop. 1704" Storm Sewer
Prop. 1716" Storm Sewer
Prop. 1728" Storm Sewer
Prop. 1740" Storm Sewer
Prop. 1752" Storm Sewer
Prop. 1764" Storm Sewer
Prop. 1776" Storm Sewer
Prop. 1788" Storm Sewer
Prop. 1800" Storm Sewer
Prop. 1812" Storm Sewer
Prop. 1824" Storm Sewer
Prop. 1836" Storm Sewer
Prop. 1848" Storm Sewer
Prop. 1860" Storm Sewer
Prop. 1872" Storm Sewer
Prop. 1884" Storm Sewer
Prop. 1896" Storm Sewer
Prop. 1908" Storm Sewer
Prop. 1920" Storm Sewer
Prop. 1932" Storm Sewer
Prop. 1944" Storm Sewer
Prop. 1956" Storm Sewer
Prop. 1968" Storm Sewer
Prop. 1980" Storm Sewer
Prop. 1992" Storm Sewer
Prop. 2004" Storm Sewer
Prop. 2016" Storm Sewer
Prop. 2028" Storm Sewer
Prop. 2040" Storm Sewer
Prop. 2052" Storm Sewer
Prop. 2064" Storm Sewer
Prop. 2076" Storm Sewer
Prop. 2088" Storm Sewer
Prop. 2100" Storm Sewer
Prop. 2112" Storm Sewer
Prop. 2124" Storm Sewer
Prop. 2136" Storm Sewer
Prop. 2148" Storm Sewer
Prop. 2160" Storm Sewer
Prop. 2172" Storm Sewer
Prop. 2184" Storm Sewer
Prop. 2196" Storm Sewer
Prop. 2208" Storm Sewer
Prop. 2220" Storm Sewer
Prop. 2232" Storm Sewer
Prop. 2244" Storm Sewer
Prop. 2256" Storm Sewer
Prop. 2268" Storm Sewer
Prop. 2280" Storm Sewer
Prop. 2292" Storm Sewer
Prop. 2304" Storm Sewer
Prop. 2316" Storm Sewer
Prop. 2328" Storm Sewer
Prop. 2340" Storm Sewer
Prop. 2352" Storm Sewer
Prop. 2364" Storm Sewer
Prop. 2376" Storm Sewer
Prop. 2388" Storm Sewer
Prop. 2400" Storm Sewer
Prop. 2412" Storm Sewer
Prop. 2424" Storm Sewer
Prop. 2436" Storm Sewer
Prop. 2448" Storm Sewer
Prop. 2460" Storm Sewer
Prop. 2472" Storm Sewer
Prop. 2484" Storm Sewer
Prop. 2496" Storm Sewer
Prop. 2508" Storm Sewer
Prop. 2520" Storm Sewer
Prop. 2532" Storm Sewer
Prop. 2544" Storm Sewer
Prop. 2556" Storm Sewer
Prop. 2568" Storm Sewer
Prop. 2580" Storm Sewer
Prop. 2592" Storm Sewer
Prop. 2604" Storm Sewer
Prop. 2616" Storm Sewer
Prop. 2628" Storm Sewer
Prop. 2640" Storm Sewer
Prop. 2652" Storm Sewer
Prop. 2664" Storm Sewer
Prop. 2676" Storm Sewer
Prop. 2688" Storm Sewer
Prop. 2700" Storm Sewer
Prop. 2712" Storm Sewer
Prop. 2724" Storm Sewer
Prop. 2736" Storm Sewer
Prop. 2748" Storm Sewer
Prop. 2760" Storm Sewer
Prop. 2772" Storm Sewer
Prop. 2784" Storm Sewer
Prop. 2796" Storm Sewer
Prop. 2808" Storm Sewer
Prop. 2820" Storm Sewer
Prop. 2832" Storm Sewer
Prop. 2844" Storm Sewer
Prop. 2856" Storm Sewer
Prop. 2868" Storm Sewer
Prop. 2880" Storm Sewer
Prop. 2892" Storm Sewer
Prop. 2904" Storm Sewer
Prop. 2916" Storm Sewer
Prop. 2928" Storm Sewer
Prop. 2940" Storm Sewer
Prop. 2952" Storm Sewer
Prop. 2964" Storm Sewer
Prop. 2976" Storm Sewer
Prop. 2988" Storm Sewer
Prop. 3000" Storm Sewer
Prop. 3012" Storm Sewer
Prop. 3024" Storm Sewer
Prop. 3036" Storm Sewer
Prop. 3048" Storm Sewer
Prop. 3060" Storm Sewer
Prop. 3072" Storm Sewer
Prop. 3084" Storm Sewer
Prop. 3096" Storm Sewer
Prop. 3108" Storm Sewer
Prop. 3120" Storm Sewer
Prop. 3132" Storm Sewer
Prop. 3144" Storm Sewer
Prop. 3156" Storm Sewer
Prop. 3168" Storm Sewer
Prop. 3180" Storm Sewer
Prop. 3192" Storm Sewer
Prop. 3204" Storm Sewer
Prop. 3216" Storm Sewer
Prop. 3228" Storm Sewer
Prop. 3240" Storm Sewer
Prop. 3252" Storm Sewer
Prop. 3264" Storm Sewer
Prop. 3276" Storm Sewer
Prop. 3288" Storm Sewer
Prop. 3300" Storm Sewer
Prop. 3312" Storm Sewer
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Prop. 10992" Storm Sewer
Prop. 11004" Storm Sewer
Prop. 11016" Storm Sewer
Prop. 11028" Storm Sewer
Prop. 11040" Storm Sewer
Prop. 11052"

CURVE DATA
Curve No. 3
P.I. STA. 99+55.53
Δ= 1°58'22", Lt.
Dc= 0°52'30"
R= 6548.09'
T= 112.73'
L= 225.43'
E= 0.97'

℄ REFERENCE
P.I. STA. 99+55.53





FOR PAVEMENT LEGEND, SEE SHEET 171
FOR PROFILES, SEE SHEETS 190-199
FOR CROSS SECTIONS, SEE SHEETS 200-285
FOR SUPERELEVATION TABLE SEE SHEET 419-422
FOR INTERSECTION DETAILS, SEE SHEETS 423-427
FOR DRAINAGE DETAILS, SEE SHEETS 434-449
FOR TRAFFIC CONTROL, SEE SHEETS 469-494
FOR TRAFFIC SIGNAL PLANS, SEE SHEETS 495-516
FOR CAST-IN-PLACE STRUCTURES, SEE SHEETS 527-565
FOR PREFABRICATED STRUCTURES, SEE SHEETS 452-468
FOR RIGHT-OF-WAY, SEE SHEETS 566-608

HORIZONTAL SCALE IN FEET
0 10 20 40
CALCULATED JMD
CHECKED GKB

CINCINNATI-DAYTON ROAD (CR19) PLAN
STA. 95+00.00 TO STA. 100+00.00

BUT-CR19-3.20

181
565

CURVE DATA
Curve No. 4
P.I. STA. 104+63.69
Δ=2°00'00", Rt.
Dc= 0°52'30"
R= 6548.09'
T= 114.30'
L=228.56'
E=1.00'

℄ REFERENCE
P.I. STA. 104+63.69
IPS
PK SET
Tan. 104
Tan. 105
IPS
STA 104+63.69

5-E Rock Channel Protection, Type C w/Fabric Filter, T=18", 10'x4'x1.5'/27=2.2 C.Y.

109-D
78-UD
83-WW
79-UD
12-WW
62-D
80-UD
13-WW
84-WW
85-WW
55-DR
81-UD
SLOPE EASEMENT
Construction Limits (Typ.)
TEMPORARY EASEMENT
60.5'℄ Resid. Dr.
12" Gravel
Match Line - Sta. 100+00
Match Line - Sta. 105+00
Prop. 8" DIP
Prop. 12" Storm
Ex. Woven Wire Fence
Ex. Sign
Prop. CB-6
Drop Curb per Bp-4.1
Prop. CB-3A
Reflector
57-D
162-R
161-R
67-R
63-D
65-D
101+00 ℄ PROP. CINCINNATI-DAYTON RD. (CR19) 102+00
90°
S03°41'14"W 103+00
Pavement Crown
6' (Typ.)
Prop. 12" Storm
Prop. CB 2-2B
Ex. R/W
Ex. Sign
Curve No. 4
104+00
Prop. 21" Storm
Prop. CB-6
Drop Curb per Bp-4.1
Ex. WV NOT F.D.
(14) Ducts
(1) Duct
48-UD
(7) Ducts
Meet Ex. Curb 6' R
Prop. 21" Storm
Ex. R/W
Ex. Sign
Ex. Conc. Curb
Asphalt
Planter
Ex. Tele. Box
Ex. L.P.
66-R
150-R
78-R
49-UD
Prop. 21" Storm
Prop. 15" Storm
Conc. Blocking
Prop. 12" Storm
Prop. CB-2-2B
Ex. Monitoring Well
5 Ex. Vents
Conc. Gas Filler Caps
Ex. Monitoring Well
Ex. Monitoring Well
Ex. Monitoring Well
Canopy
Pump Island
Ex. 12x2 CB
Parking Spaces
Ex. 2x2 CB
1 Sty. Br. Comm. #8307 United Dairy Farmers #8291 D&P Shoe Repair #8287 West Chester Cleaners
58-D
46-UD
47-UD
89-DR
59-D
Prop. CB-3A
Detention Basin
1 Sty. Br. Comm. Waffle House
Meet Ex. Curb 10'
Construction Limits (Typ.)
TEMPORARY EASEMENT
Prop. CB-3A
60-D
Ex. CB
Ex. Sign
63+61.1'℄ Comm. Dr. 36' Asphalt
104-D
Prop. MH-3
67BT 818C B50236RE
86-WW
149-R
54-DR
107-D
68-R
87-WW
P.C. Sta. 103+49.39
50'℄ Comm. Dr. 35' Asphalt
E.T. Conc. Curb
4 Parking Spaces & 1 H/Cap
BM #2

BENCH MARK #2
Northwest Corner of Sidewalk at Dry Cleaners
Sta. 103+25.67, 175.05' Rt.
Elev. 833.53

FOR PAVEMENT LEGEND, SEE SHEET 171
FOR PROFILES, SEE SHEETS 190-199
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HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JMD
CHECKED GKB

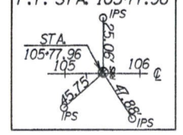
CINCINNATI-DAYTON ROAD (CR19) PLAN
STA. 100+00.00 TO STA. 105+00.00

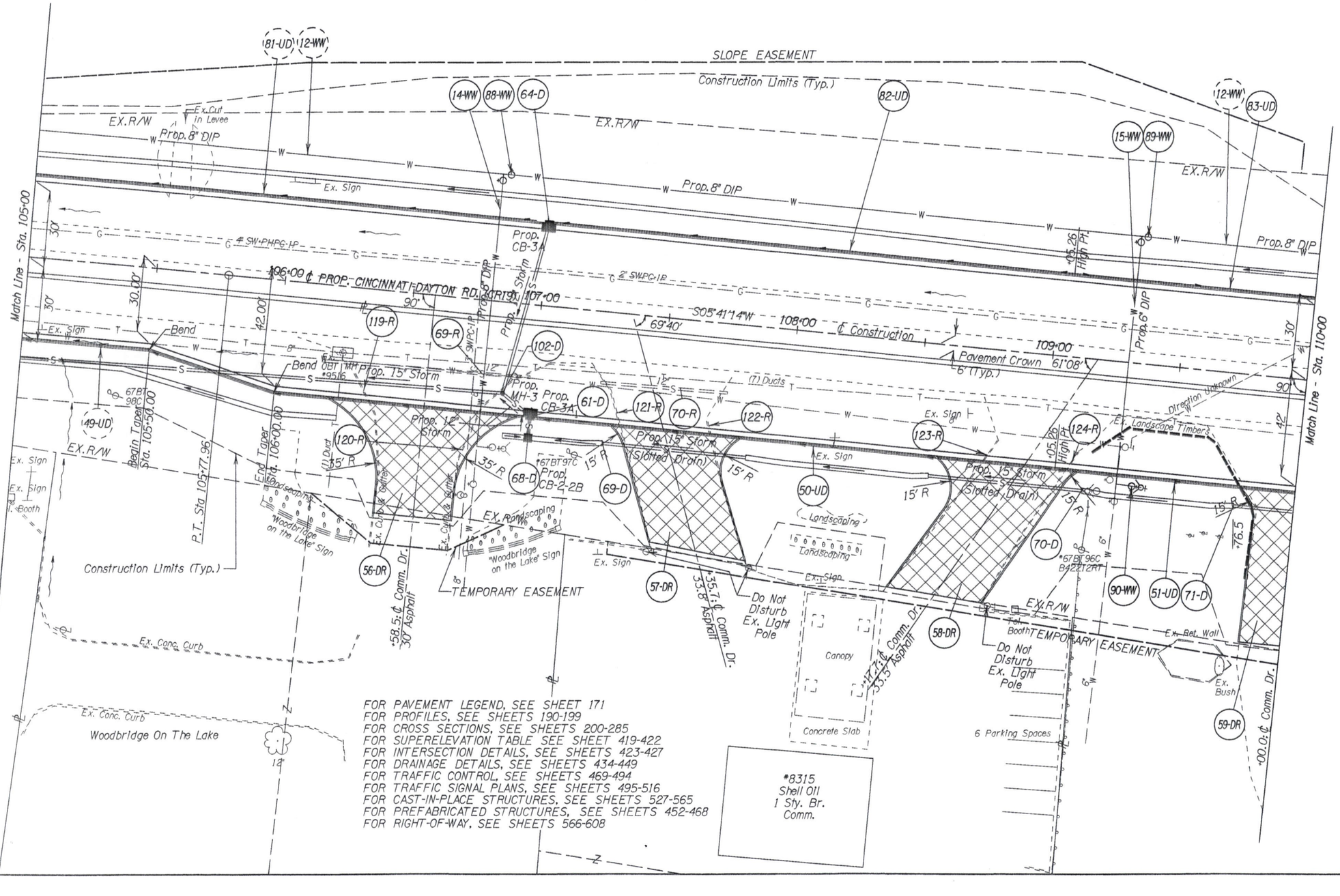
BUT-CR19-3.20

182
608

BENCH MARK #2
Northwest Corner of
Sidewalk at Dry Cleaners
Sta. 103+25.67;175.05' Rt.
Elev. 833.53

℄ REFERENCE
P.T. STA. 105+77.96





FOR PAVEMENT LEGEND, SEE SHEET 171
FOR PROFILES, SEE SHEETS 190-199
FOR CROSS SECTIONS, SEE SHEETS 200-285
FOR SUPERELEVATION TABLE SEE SHEET 419-422
FOR INTERSECTION DETAILS, SEE SHEETS 423-427
FOR DRAINAGE DETAILS, SEE SHEETS 434-449
FOR TRAFFIC CONTROL, SEE SHEETS 469-494
FOR TRAFFIC SIGNAL PLANS, SEE SHEETS 495-516
FOR CAST-IN-PLACE STRUCTURES, SEE SHEETS 527-565
FOR PREFABRICATED STRUCTURES, SEE SHEETS 452-468
FOR RIGHT-OF-WAY, SEE SHEETS 566-608

N

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JMD
CHECKED GKB

CINCINNATI-DAYTON ROAD (CR19) PLAN
STA. 105+00.00 TO STA. 110+00.00

BUT-CR19-3.20

183
608

℄ REFERENCE
P.C. STA. 0+00.00
RAMP A

℄ REFERENCE
P.I. STA. 0+54.92
RAMP A

℄ REFERENCE
P.C. STA. 112+58.08

CONCRETE ALTERNATE:

NOTE: RAMP A: BEGIN ASPHALT CONCRETE PAVEMENT AT STA. 1+05.30.
RAMP B: BEGIN ASPHALT CONCRETE PAVEMENT AT STA. 0+25.00.
RAMP C: BEGIN ASPHALT CONCRETE PAVEMENT AT STA. 0+50.00.

*8370
BP Oil
1 Sty. Br.
Comm.

Concrete
Canopy
Shrubs
Asphalt
UTILITY EASEMENT
EX.R/W
EX.LA-R/W
Dirt/Gravel Construction drive
Direction Unknown
Ex. Curb
Ex. T.V. Booth
34.2' ℄ Comm. Dr.
34.8' Asphalt
21.8' ℄ Comm. Dr.
"BP" Sign
Construction Limits (Typ.)
Prop. 12" Storm
Prop. CB-3A
Prop. 12" Storm
2' SWPC-LP.1
℄ PROP. CINCINNATI-DAYTON RD. (CR19) 111+00
S05°41'14"W. 112+00
83.21'
85.21'
UPS
Ex. Sign
113+00 ℄ Construction
Pavement Crown 6" (Typ.)
114+00
Sta. 114+44.21 Begin Taper
Sta. 114+88.21 Trans. Curb Height From 6" to 0"
10:1 Taper
30.00'
35.53'
42.00'
Match Line - Sta. 110+00
Match Line - Sta. 115+00
Match Line - Sta. 1+00
(7) Ducts
MH *9517
MH *11324
Prop. Storm (Slotted Drain)
Ex. Sign
Ex. "Knight's Inn" Sign
EX.R/W
Construction Limits (Typ.)
EX.R/W
EX.LA-R/W
30.5' Asphalt
P.C. Sta 112+58.08
*67BT95C
B42214RT
*67BT94C
T142449
Ex. Sign "Shell Oil"
Knights Inn
Ex. Sign "Knight's Inn"
Ex. Fence
Sta. 115+91.14 42.00' Rt. CIN-DAY ROAD
P.C. Sta 0+00.00 RAMP A
End Curb & Gutter
Begin Curb, Type 6
45° Bend
45° Bend
℄ PROP. RAMP A
Curve A-1
℄ Construction
Match Line - Sta. 1+00
Prop. MH-3
4' Ft.
3.52'
16.10'
6'
3'

83-UD
12-WW
119-WW
84-UD
92-WW
91-WW
60-DR
61-DR
73-D
72-D
127-R
128-R
129-R
130-R
126-R
75-D
76-D
51-UD
52-UD
53-UD
59-DR
110-UD
77-D

BENCH MARK *2
Northwest Corner of Sidewalk at Dry Cleaners
Sta. 103+25.67, 175.05' Rt.
Elev. 833.53

CURVE DATA
Curve No. A-1
P.I. STA. 0+54.92
Δ=40°13'16", Rt.
Dc=38°11'50"
R=150.00'
T=54.92'
L=105.30'
E=9.74'

FOR PAVEMENT LEGEND, SEE SHEET 171
FOR PROFILES, SEE SHEETS 190-199
FOR CROSS SECTIONS, SEE SHEETS 200-285
FOR SUPERELEVATION TABLE SEE SHEET 419-422
FOR INTERSECTION DETAILS, SEE SHEETS 423-427
FOR DRAINAGE DETAILS, SEE SHEETS 434-449
FOR TRAFFIC CONTROL, SEE SHEETS 469-494
FOR TRAFFIC SIGNAL PLANS, SEE SHEETS 495-516
FOR CAST-IN-PLACE STRUCTURES, SEE SHEETS 527-565
FOR PREFABRICATED STRUCTURES, SEE SHEETS 452-468
FOR RIGHT-OF-WAY, SEE SHEETS 566-608

NOTE: THE PAVEMENT SYMBOLISM SHOWN IS FOR THE ASPHALT CONCRETE ALTERNATE ONLY. FOR THE PAVEMENT COMPOSITION FOR THE CONCRETE ALTERNATE, SEE SHEETS 4A-11A

N

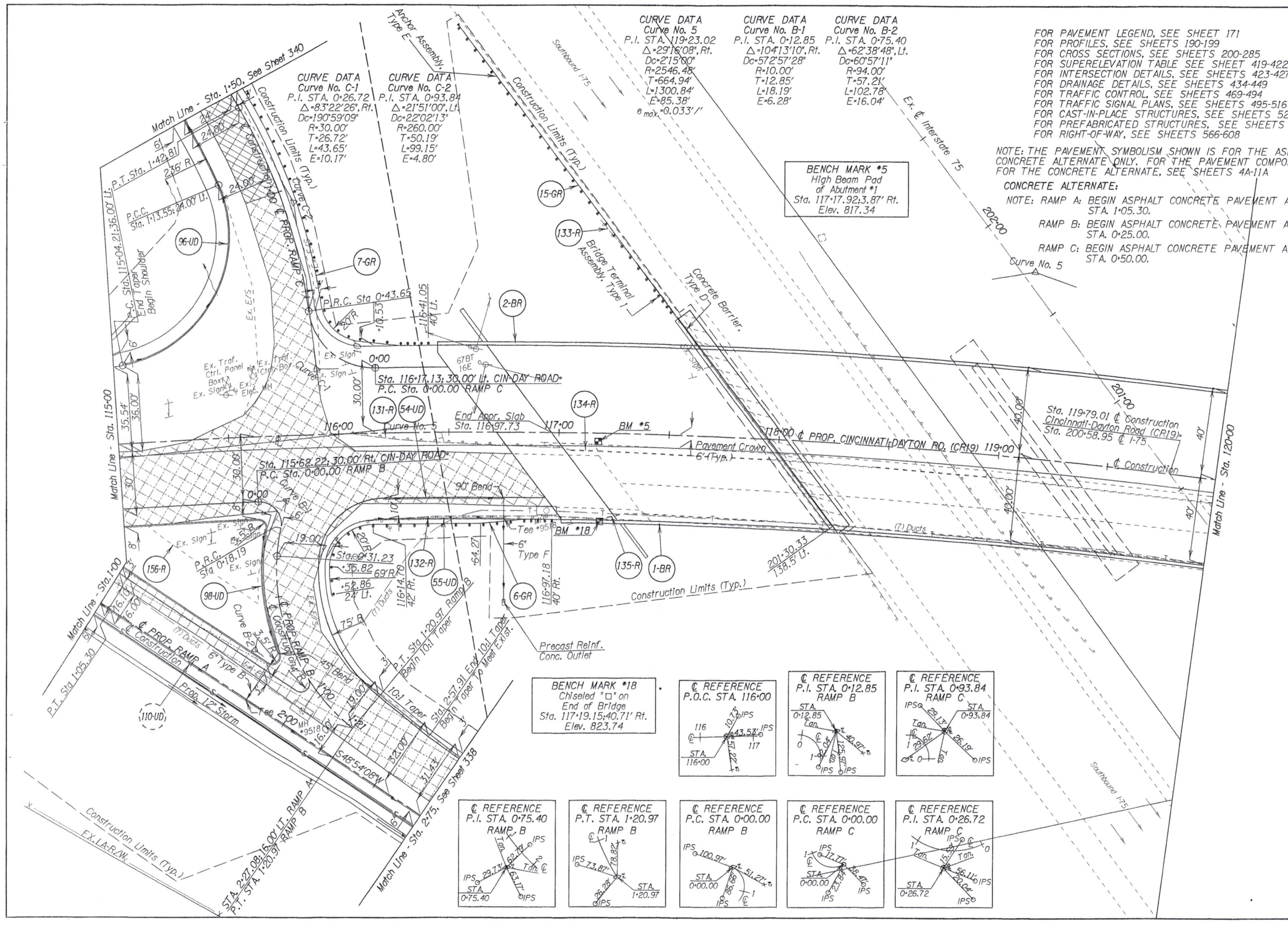
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JMD
CHECKED GKB

CINCINNATI-DAYTON RD. (CR19) PLAN STA. 110+00.00 TO STA. 115+00.00
RAMP A PLAN STA. 0+00.00 TO STA. 1+00.00

BUT-CR19-3.20

184
608



RAMP A PLAN STA. 0+00.00 TO STA. 1+00.00
RAMP B PLAN STA. 0+00.00 TO STA. 1+50.00
RAMP C PLAN STA. 0+00.00 TO STA. 1+20.97
CINCINNATI-DAYTON RD. (CR19) PLAN STA. 115+00.00 TO STA. 120+00.00

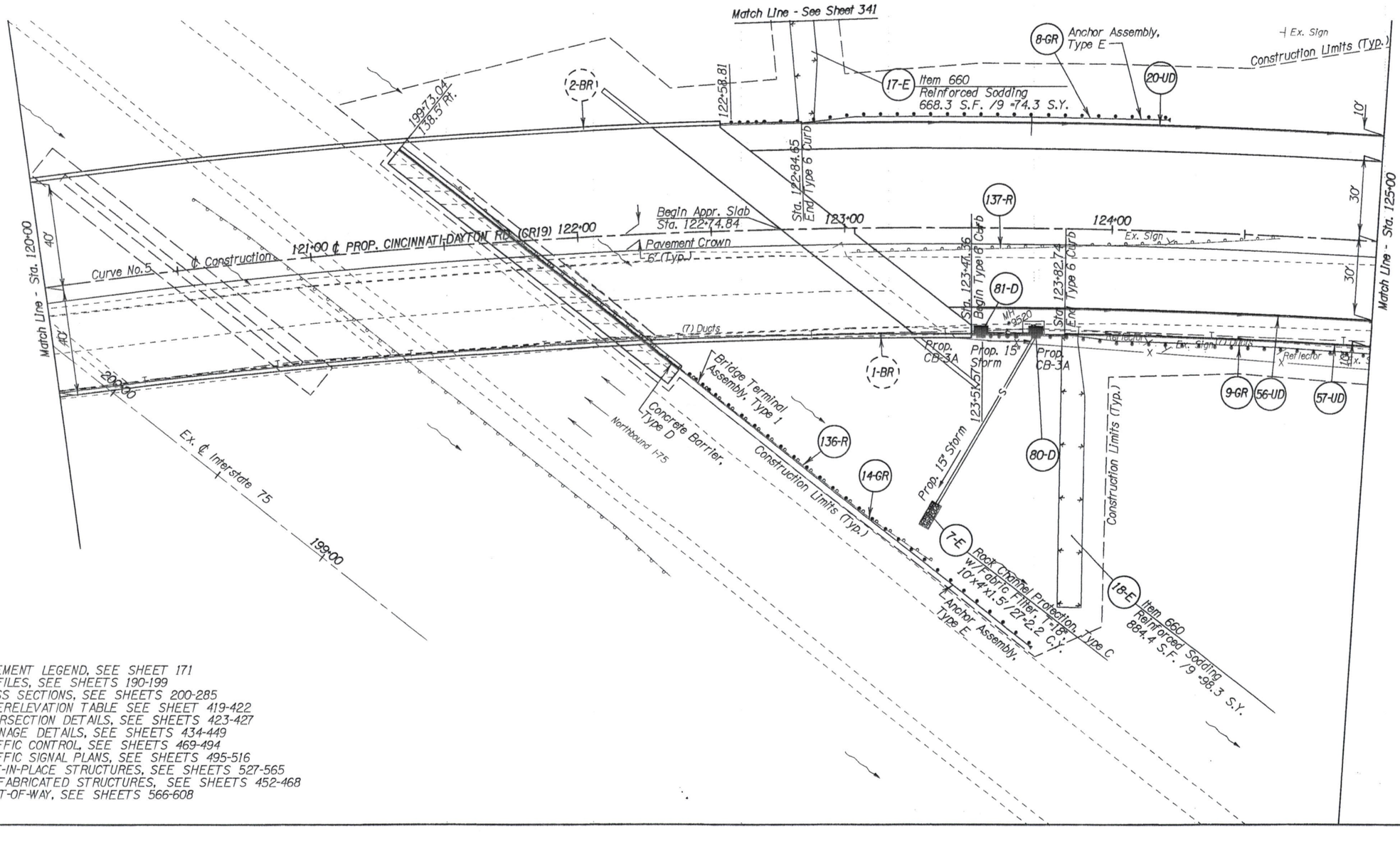
HORIZONTAL SCALE IN FEET
0 20 40

CALCULATED JMD
CHECKED GKB

BUT-CR19-3.20

185
608

BENCH MARK #18
Chiseled "□" on
End of Bridge
Sta. 117+19.15:40.71' Rt.
Elev. 823.74



FOR PAVEMENT LEGEND, SEE SHEET 171
FOR PROFILES, SEE SHEETS 190-199
FOR CROSS SECTIONS, SEE SHEETS 200-285
FOR SUPERELEVATION TABLE SEE SHEET 419-422
FOR INTERSECTION DETAILS, SEE SHEETS 423-427
FOR DRAINAGE DETAILS, SEE SHEETS 434-449
FOR TRAFFIC CONTROL, SEE SHEETS 469-494
FOR TRAFFIC SIGNAL PLANS, SEE SHEETS 495-516
FOR CAST-IN-PLACE STRUCTURES, SEE SHEETS 527-565
FOR PREFABRICATED STRUCTURES, SEE SHEETS 452-468
FOR RIGHT-OF-WAY, SEE SHEETS 566-608

HORIZONTAL SCALE IN FEET
0 10 20 40

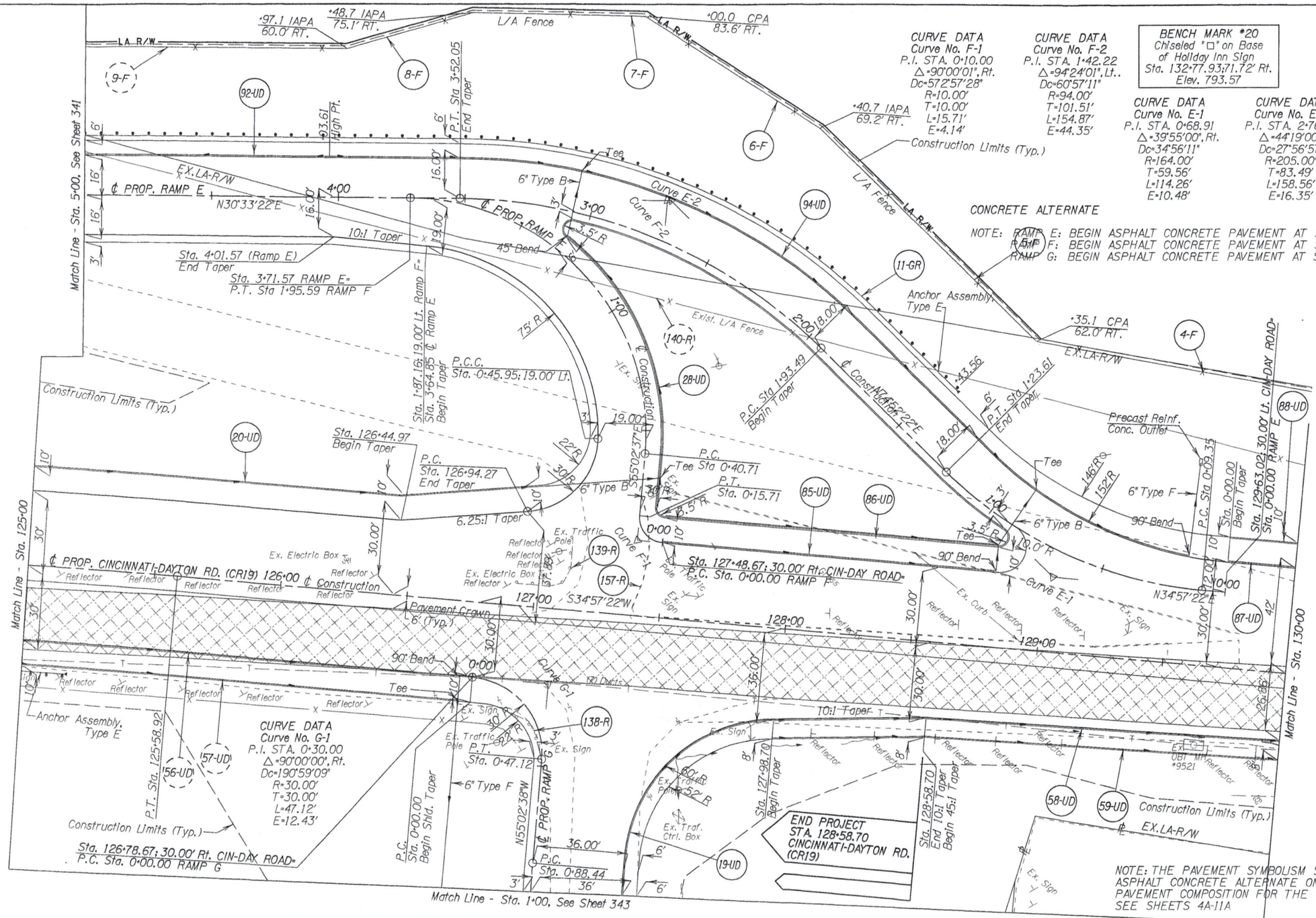
CALCULATED JMD
DRAWN GKB

CINCINNATI-DAYTON RD. (CR19) PLAN
STA. 120+00.00 TO STA. 125+00.00

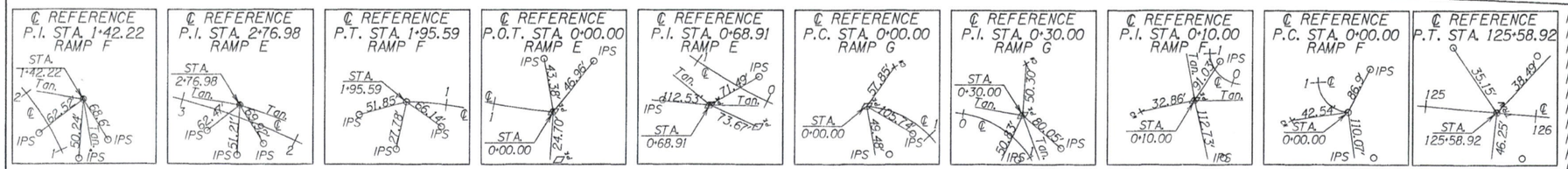
BUT-CR19-3.20

186
608

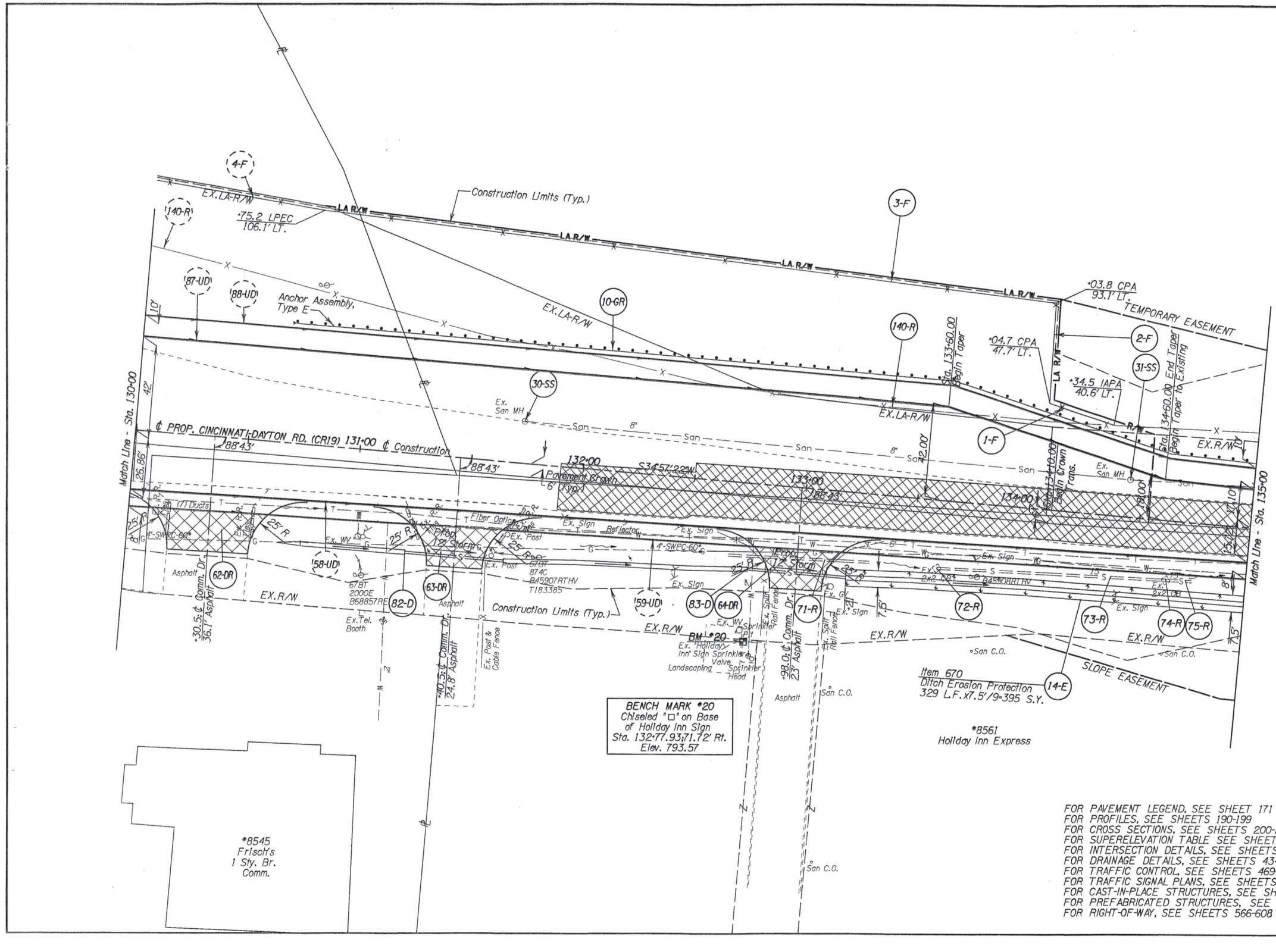
94/02/18 83 SEP 97 H:\DGN\64261PLAN_SHT\64263P22.DGN



NOTE: THE PAVEMENT SYMBOLISM SHOWN IS FOR THE ASPHALT CONCRETE ALTERNATE ONLY. FOR THE PAVEMENT COMPOSITION FOR THE CONCRETE ALTERNATE, SEE SHEETS 4A-11A



FOR PAVEMENT LEGEND, SEE SHEET 171
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FOR RIGHT-OF-WAY, SEE SHEETS 566-608



FOR PAVEMENT LEGEND, SEE SHEET 171
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FOR RIGHT-OF-WAY, SEE SHEETS 566-608

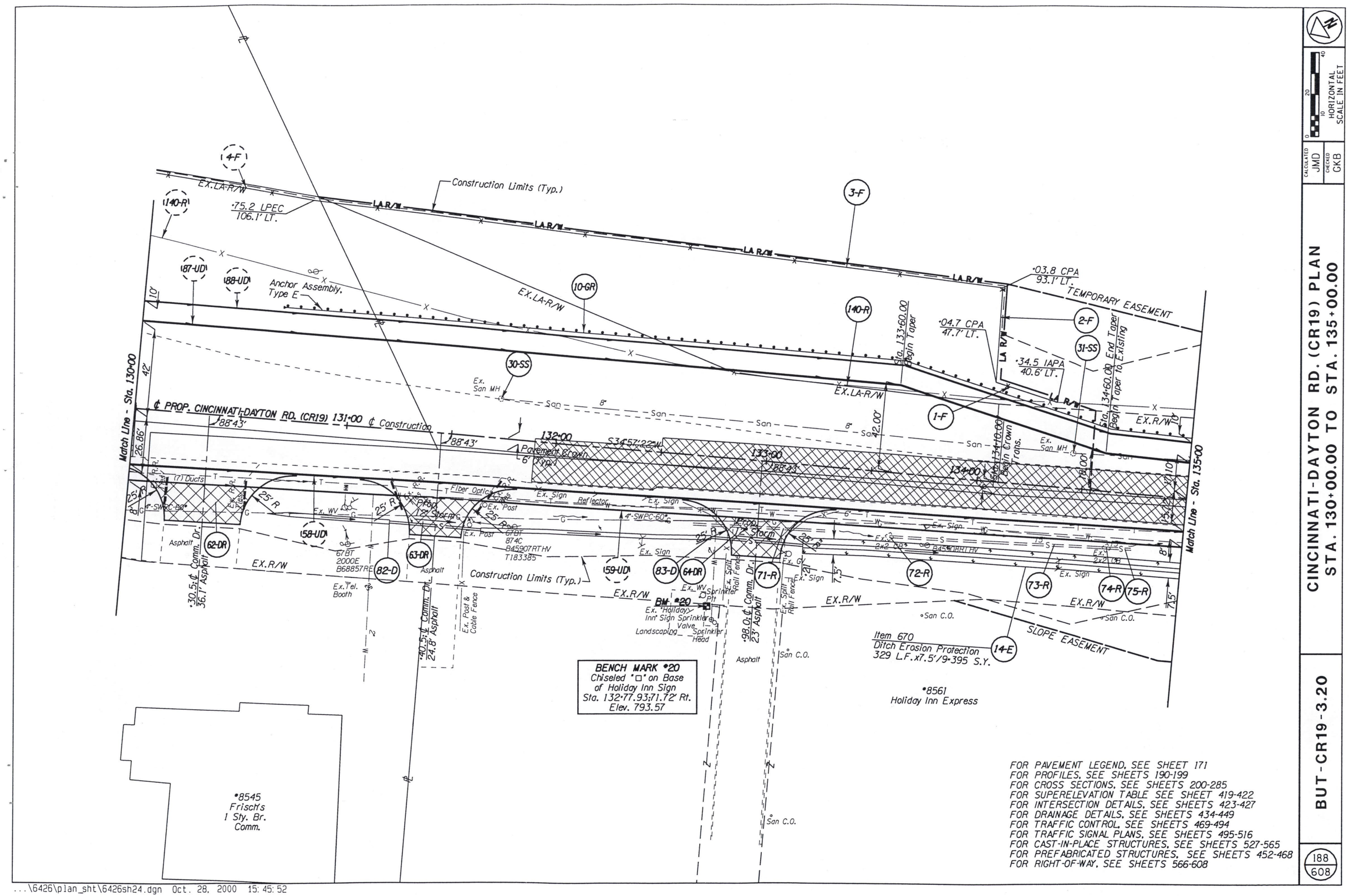
HORIZONTAL SCALE IN FEET
0 10 20 40
CALCULATED JMD
CHECKED GKB

CINCINNATI-DAYTON RD. (CR19) PLAN
STA. 130+00.00 TO STA. 135+00.00

BUT-CR19-3.20

188
608

H:\DGN\9426\PLAN_SHT\9426R24.DGN
03 SEP 97
PP1:84:58



FOR PAVEMENT LEGEND, SEE SHEET 171
FOR PROFILES, SEE SHEETS 190-199
FOR CROSS SECTIONS, SEE SHEETS 200-285
FOR SUPERELEVATION TABLE SEE SHEET 419-422
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FOR CAST-IN-PLACE STRUCTURES, SEE SHEETS 527-565
FOR PREFABRICATED STRUCTURES, SEE SHEETS 452-468
FOR RIGHT-OF-WAY, SEE SHEETS 566-608

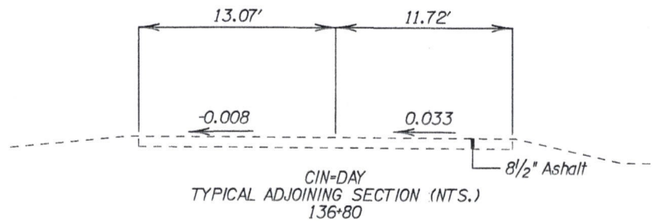
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JMD
CHECKED GKB

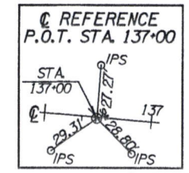
CINCINNATI-DAYTON RD. (CR19) PLAN
STA. 130+00.00 TO STA. 135+00.00

BUT-CR19-3.20

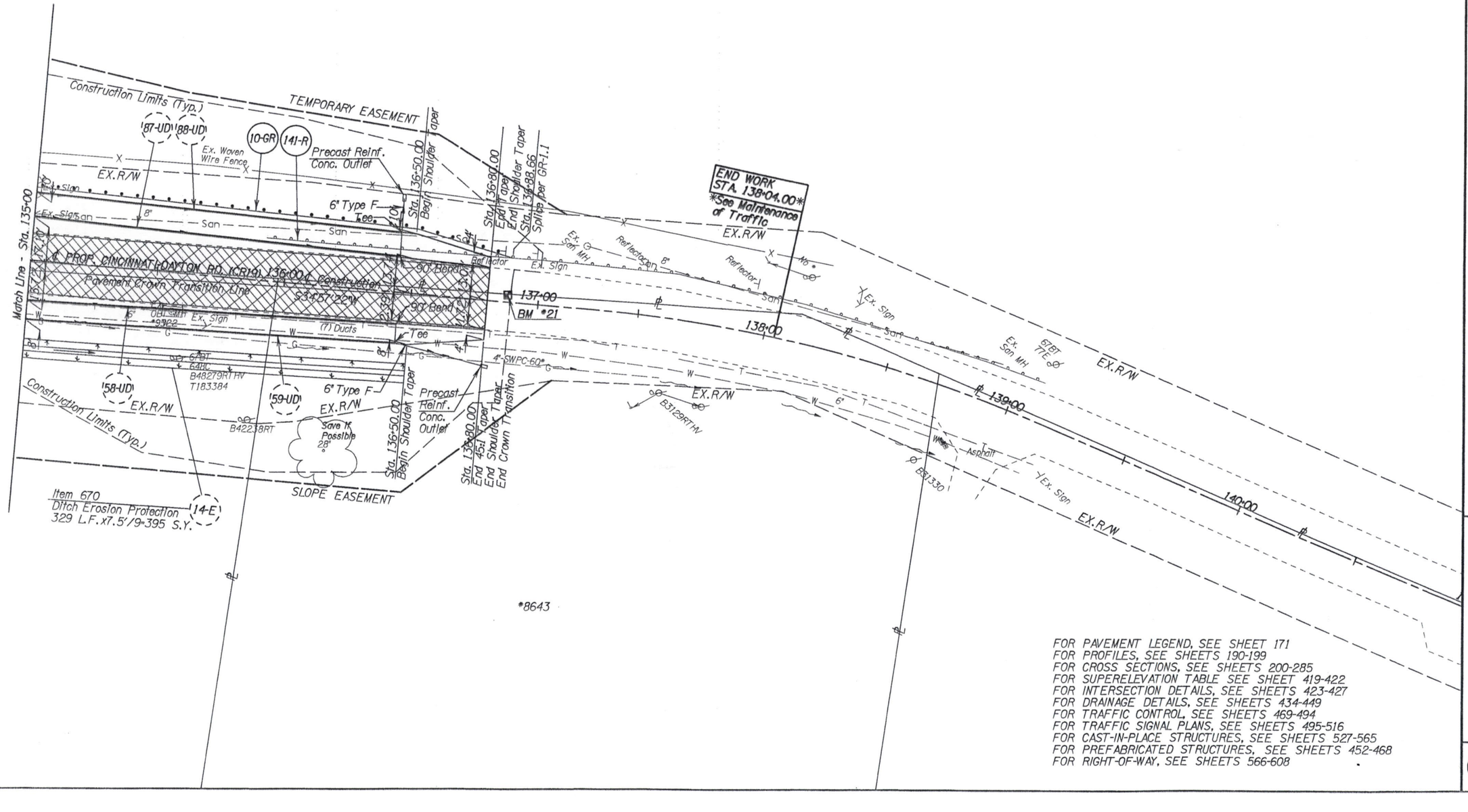
188
608



CIN-DAY
TYPICAL ADJOINING SECTION (NTS.)
136+80



BENCH MARK #21
Railroad Spike (Found)
Sta. 136+87.90; 2.83' Lt.
Elev. 778.29



FOR PAVEMENT LEGEND, SEE SHEET 171
FOR PROFILES, SEE SHEETS 190-199
FOR CROSS SECTIONS, SEE SHEETS 200-285
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FOR PREFABRICATED STRUCTURES, SEE SHEETS 452-468
FOR RIGHT-OF-WAY, SEE SHEETS 566-608

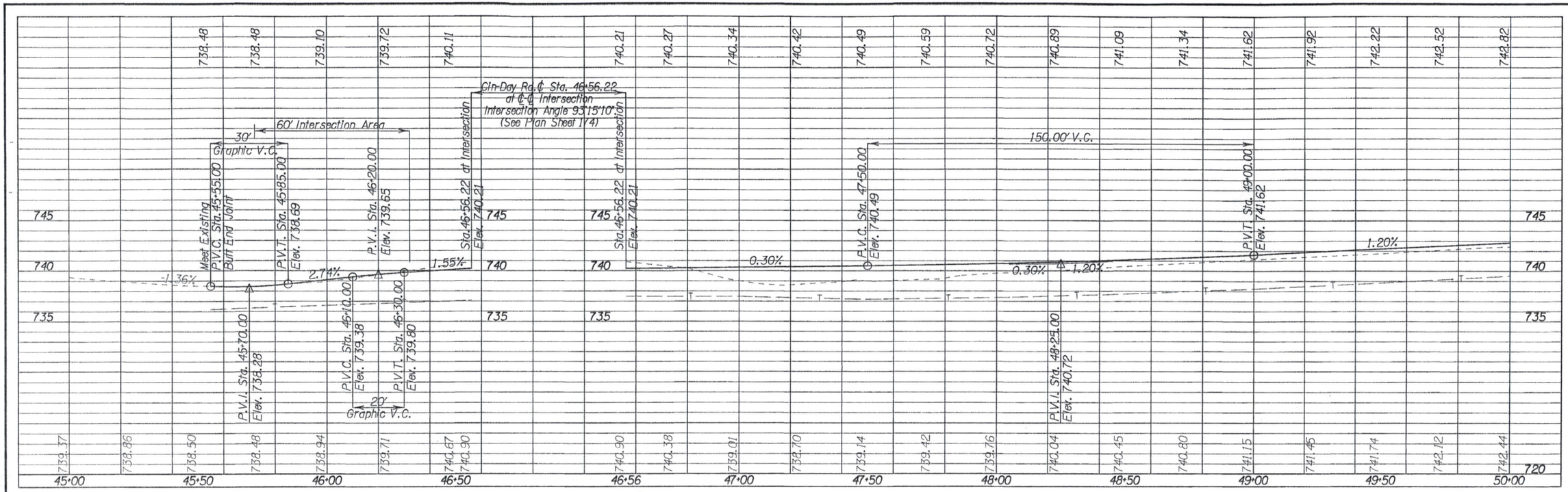
HORIZONTAL SCALE IN FEET
0 10 20 40
CALCULATED JMD
CHECKED GKB

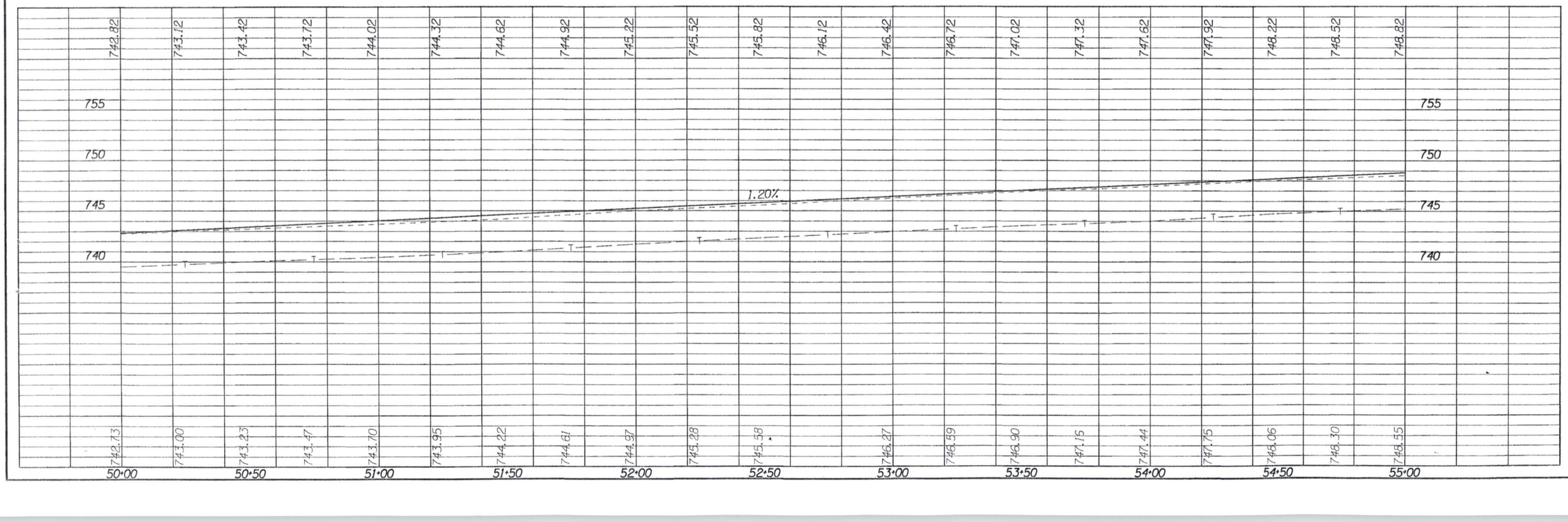
CINCINNATI-DAYTON RD. (CR19) PLAN
STA. 135+00.00 TO STA. 136+80.00

BUT-CR19-3.20

189
608

PH-851-22 83 SEP '97 H:\DGN\84261\PLAN_SHT\84261SH05.DGN





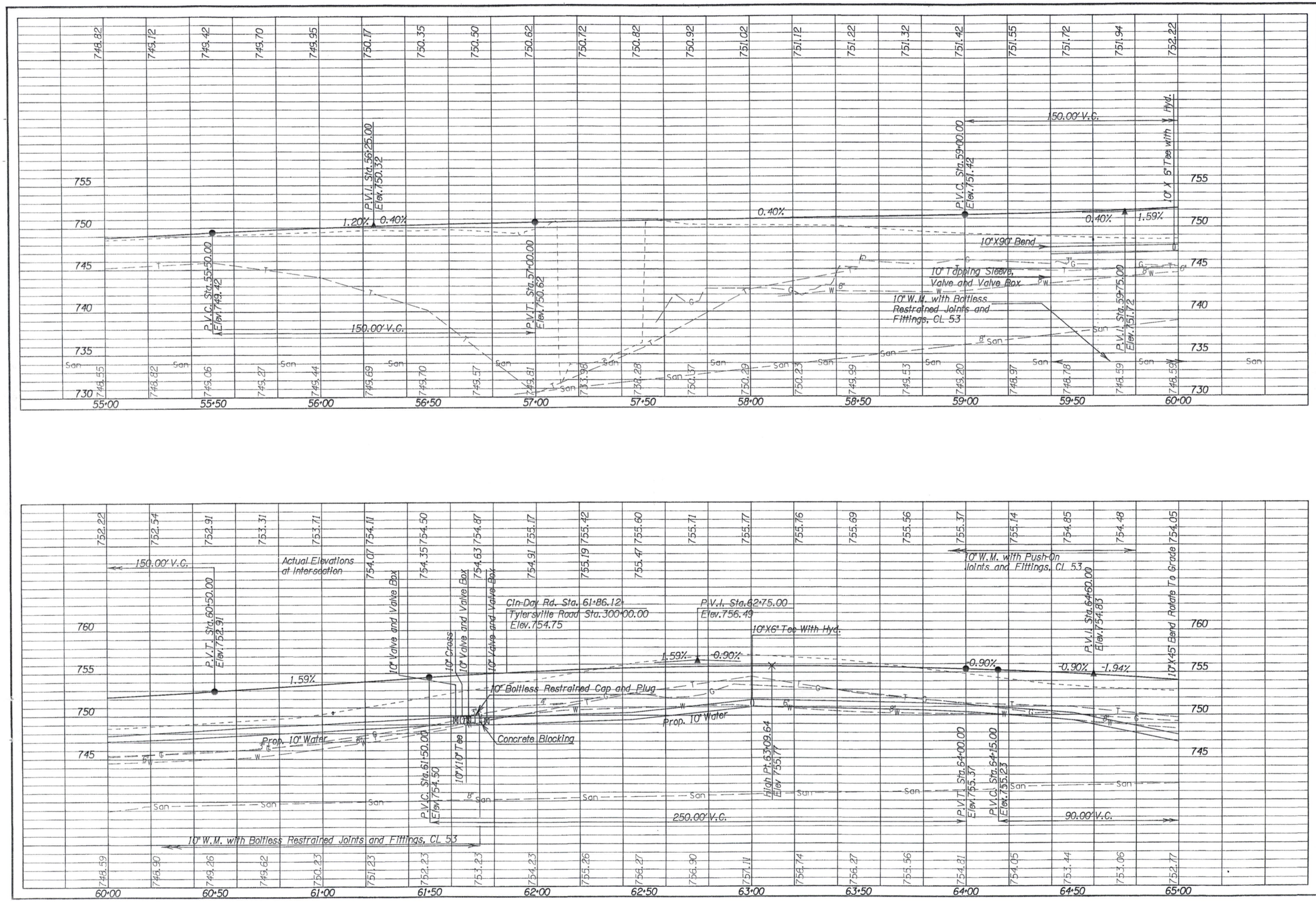
CINCINNATI-DAYTON ROAD (CR19) PROFILE
STA. 45+55.00 TO STA. 55+00.00

CALCULATED JMD
CHECKED GKB

BUT-CR19-3.20

190
608

15:03:45 27 AUG 97 H:\DGN\64261\64261PROF.3D



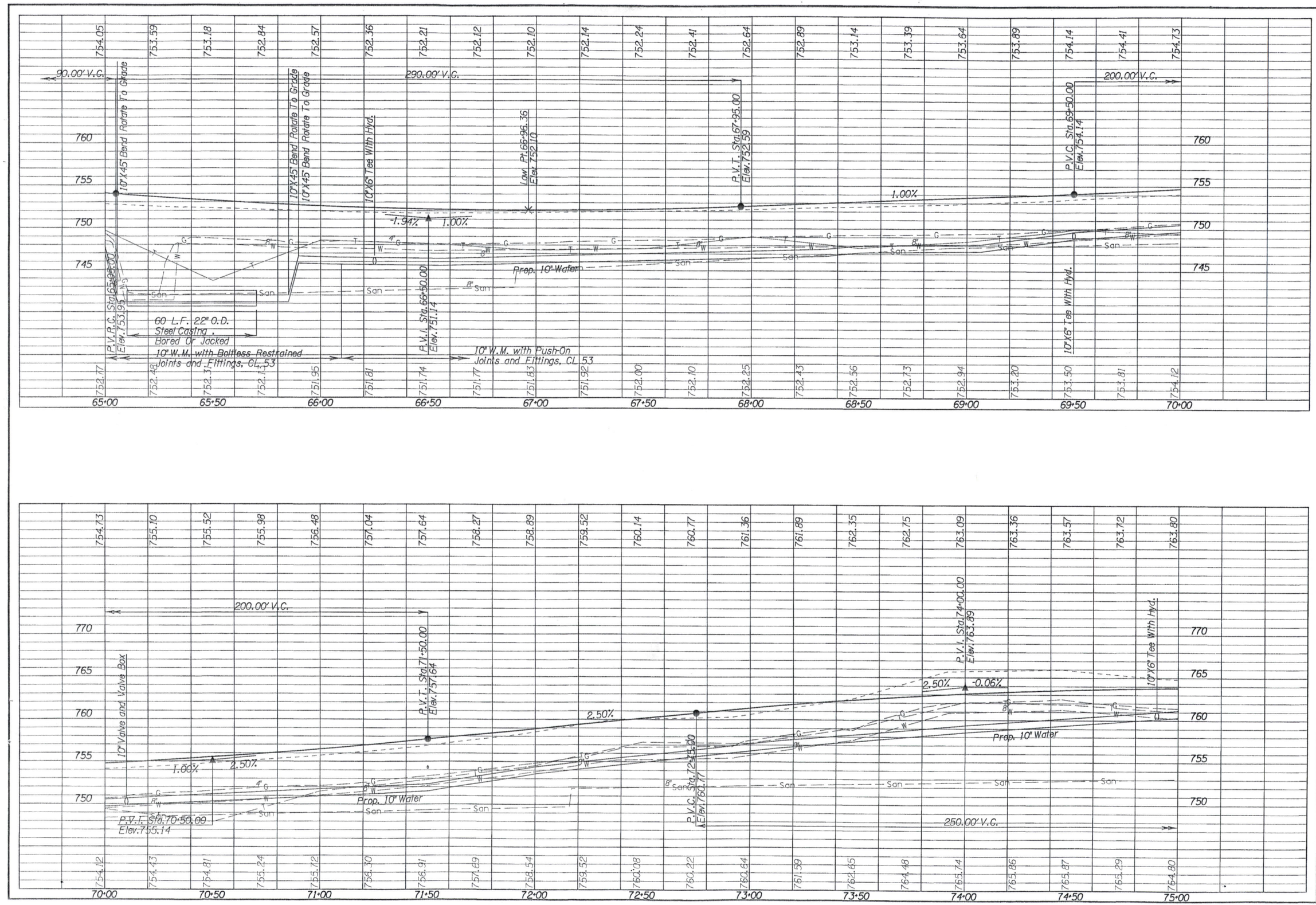
CINCINNATI-DAYTON ROAD (CR19) PROFILE
STA. 55+00.00 TO STA. 65+00.00

CALCULATED JMD
CHECKED GKB

BUT-CR19-3.20

191
608

H:\DGN\6425\6425PROF.2D
15:01:38 27 AUG 97



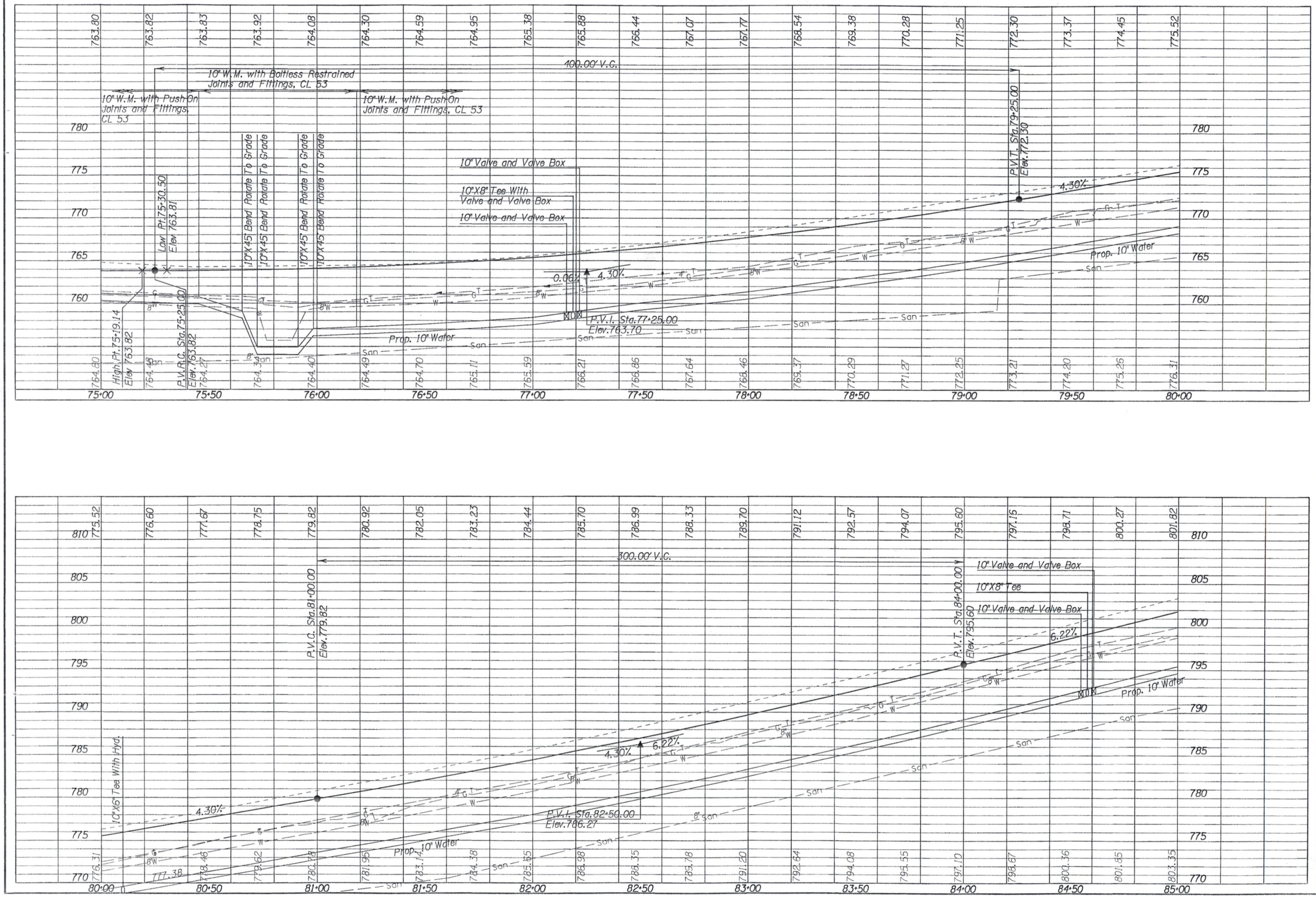
CALCULATED JMD
CHECKED GKB

CINCINNATI-DAYTON ROAD (CR19) PROFILE
STA. 65+00.00 TO STA. 75+00.00

BUT-CR19-3.20

192
608

13:24:56 27 AUG '97 H:\DGN\64265\64265PRF.2D



CALCULATED JMD
DRECKED GKB

CINCINNATI-DAYTON ROAD (CR19) PROFILE
STA. 75+00.00 TO STA. 85+00.00

BUT-CR19-3.20

193
608

15:05:31 27 AUG 97 H:\DGN\825\EASEPROF.3D

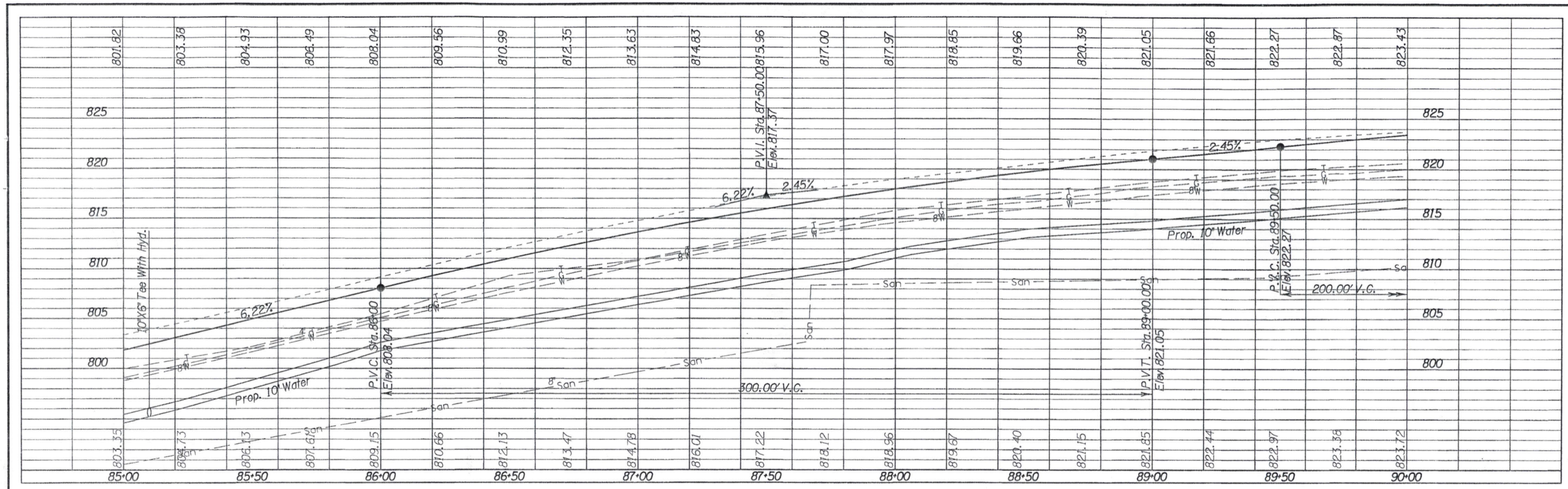
CINCINNATI-DAYTON ROAD (CR19) PROFILE
STA. 85+00.00 TO STA. 95+00.00

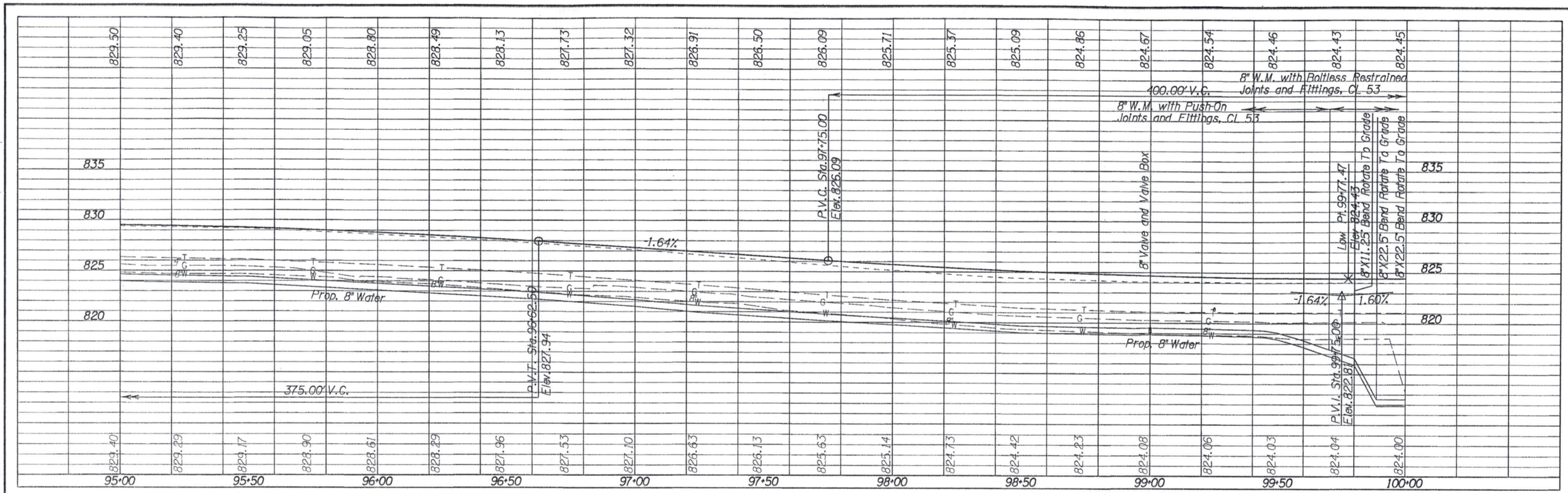
CALCULATED JMD
CHECKED GKB

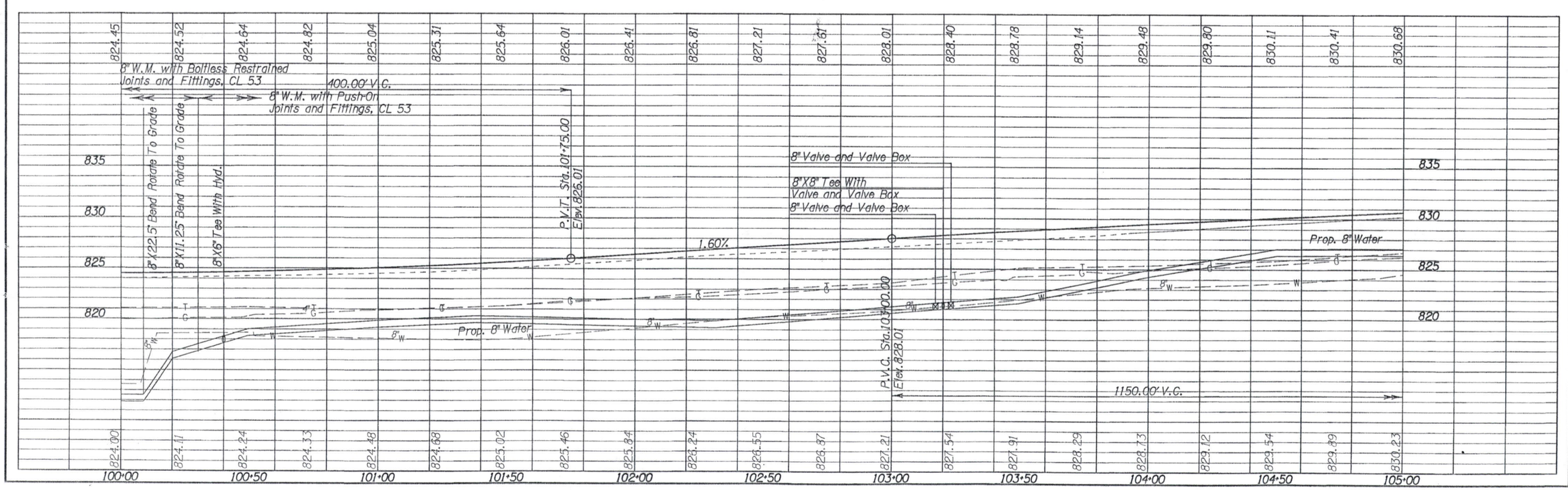
BUT-CR19-3.20

194
608

H:\DGN\845\845PROF.DGN
15-DEC-95 27 AUG 97


801.62
803.38
804.93
806.49
808.04
809.56
810.99
812.35
813.63
814.83
815.96
817.00
817.97
818.85
819.66
820.39
821.05
821.66
822.27
822.87
823.43
825
820
815
810
805
800
10"X6" Tee With Hyd.
6.22%
2.45%
P.V.C. Sta. 86+00
Elev. 808.04
Prop. 10" Water
P.V.I. Sta. 87+50.00
Elev. 817.37
300.00' V.C.
P.V.T. Sta. 89+00.00
Elev. 821.05
P.V.C. Sta. 89+50.00
Elev. 822.27
200.00' V.C.
803.35
804.73
806.13
807.69
809.15
810.66
812.13
813.47
814.78
816.01
817.22
818.12
818.96
819.67
820.40
821.15
821.85
822.44
822.97
823.36
823.72
85+00
85+50
86+00
86+50
87+00
87+50
88+00
88+50
89+00
89+50
90+00
San
8" W
8" G
8" T
8" SW
8" GW
8" SC
8" GC
8" T
8" GW
8" SC
8" GC
8" T
8" GW
8" SC
8" GC
8" T





CINCINNATI-DAYTON ROAD (CR19) PROFILE
STA. 95+00.00 TO STA. 105+00.00

CALCULATED JMD
CHECKED GKB

BUT-CR19-3.20

195
608

15:36:26 27 AUG 97 H:\DGN\64263\64258PROF.20

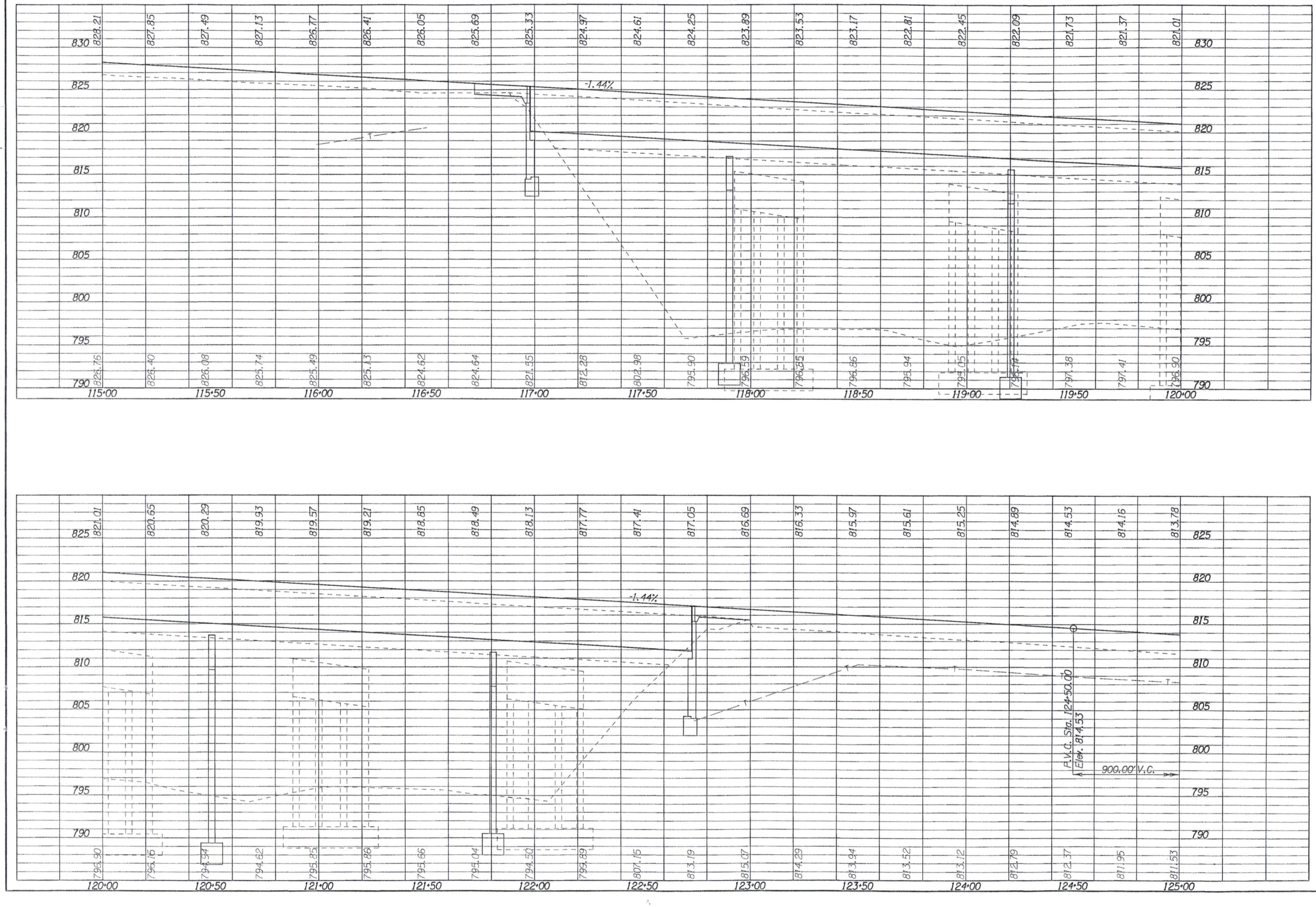
CINCINNATI-DAYTON ROAD (CR19) PROFILE
STA. 105+00.00 TO STA. 115+00.00

CALCULATED JMD
CHECKED GKB

BUT-CR19-3.20

196
608

15:38:48 27 AUG '17 H:\DGN\6425\6425PROF.2D



CALCULATED JMD
CHECKED GKB

CINCINNATI-DAYTON ROAD (CR19) PROFILE
STA. 115+00.00 TO STA. 125+00.00

BUT-CR19-3.20

197
608

H:\DGN\6426\6426PROF.2D
15:17:11 27 AUG 97

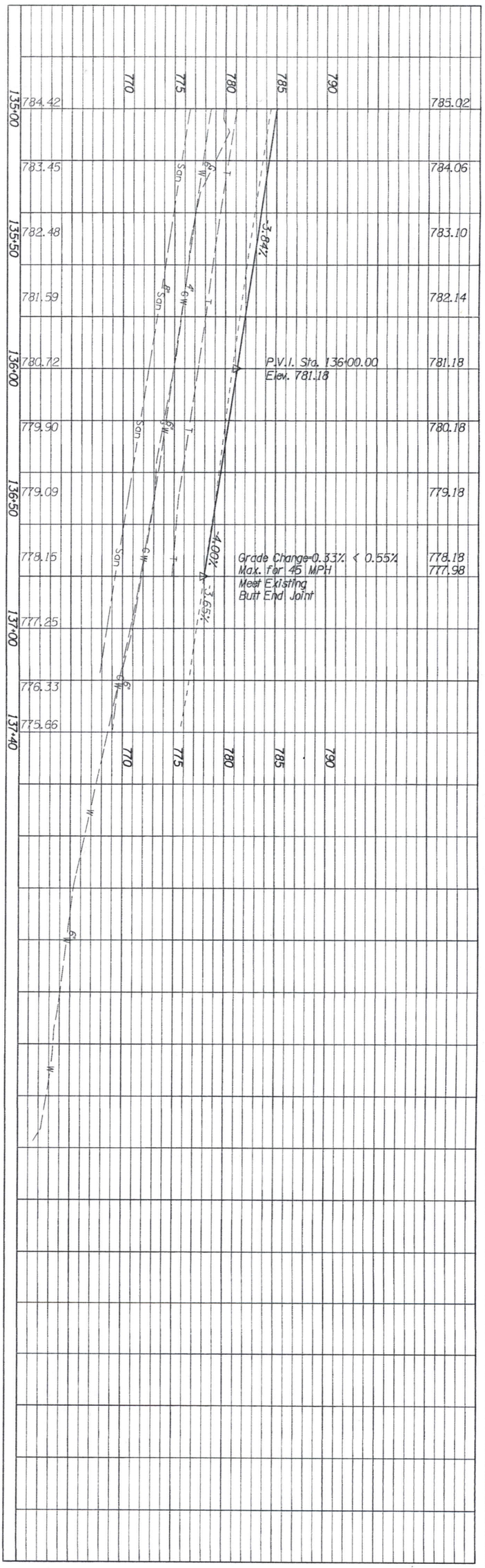
CALCULATED JMD

CHECKED

CINCINNATI-DAYTON ROAD (CR19) PROFILE
STA. 125+00.00 TO STA. 135+00.00

BUT-CR19-3.20

198
608



809 / 199	BUT-CR19-3.20	CINCINNATI-DAYTON ROAD (CR19) PROFILE STA. 135+00.00 TO STA. 136+80.00	CALCULATED JMD CHECKED GKB

15:37:52 27 AUG '97 H:\DGN\6428\6426PROF.DGN

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

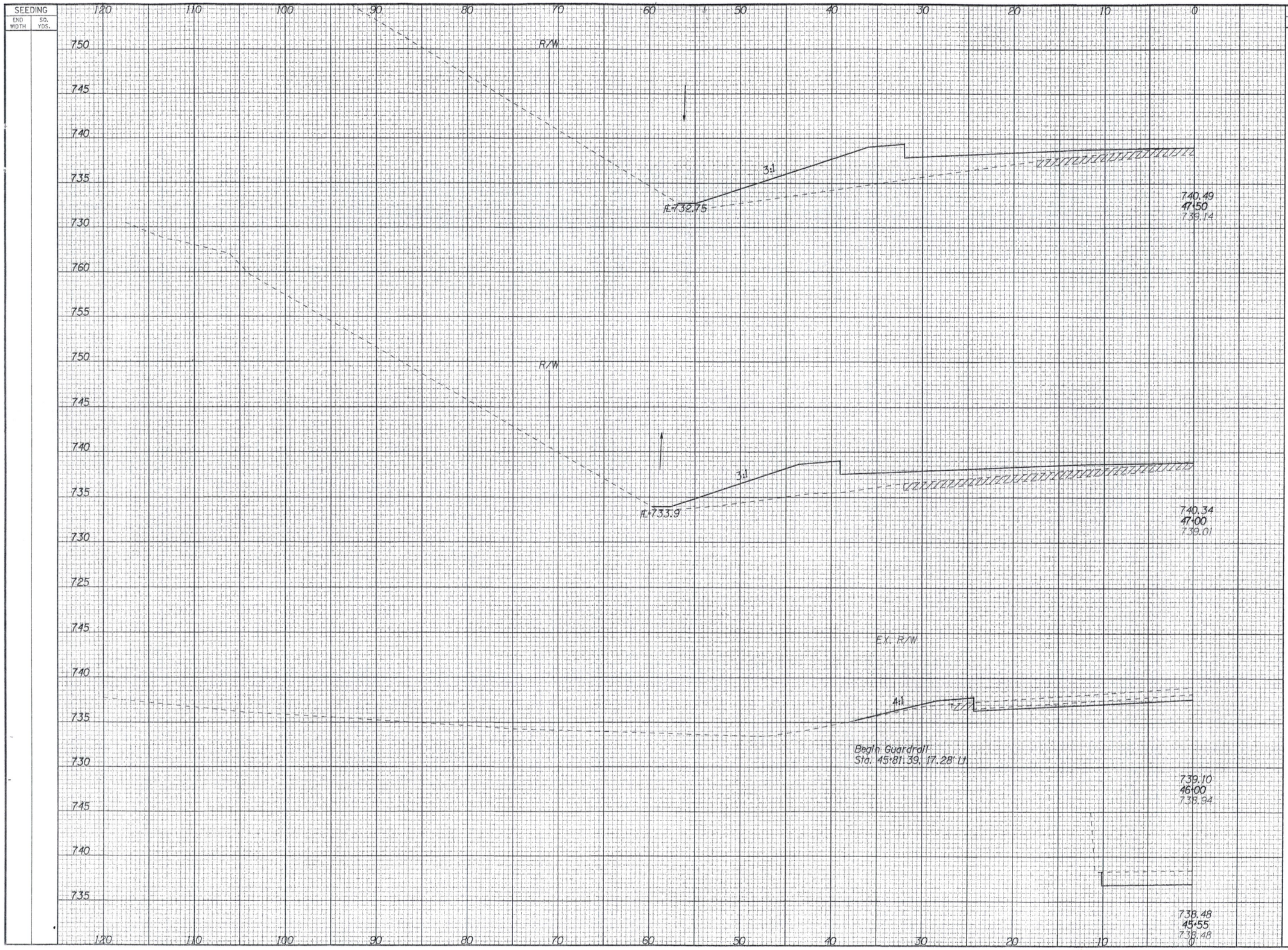
CHECKED GKB

CROSS SECTION SHEET

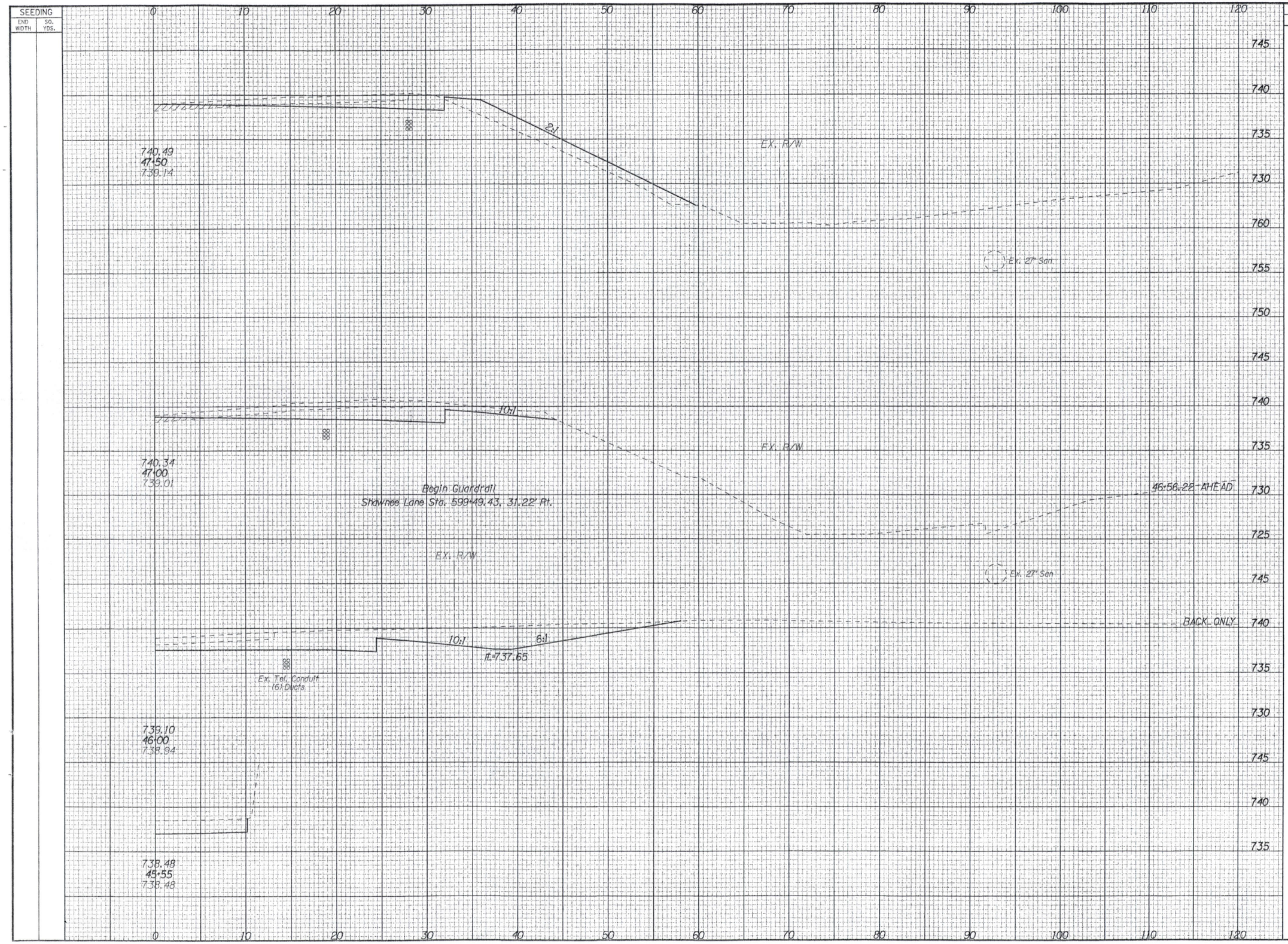
STA. 45+55 TO STA. 47+50, LT.

BUT-CR19-3.20

200
608



SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
48	146		
		122	229
84	101		
		298	82
284	0		
127	6		
		132	5
31	0		

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 45+55 TO STA. 47+50, RT.

BUT-CR19-3.20

201
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

120 110 100 90 80 70 60 50 40 30 20 10 0

760 755 750 745 740 735 730 725

R/W

3:1

℄=746.6

741.62
49+00
741.15

R/W

℄=734.1

741.09
48+50
740.45

R/W

3:1

℄=733.6

740.72
48+00
739.76

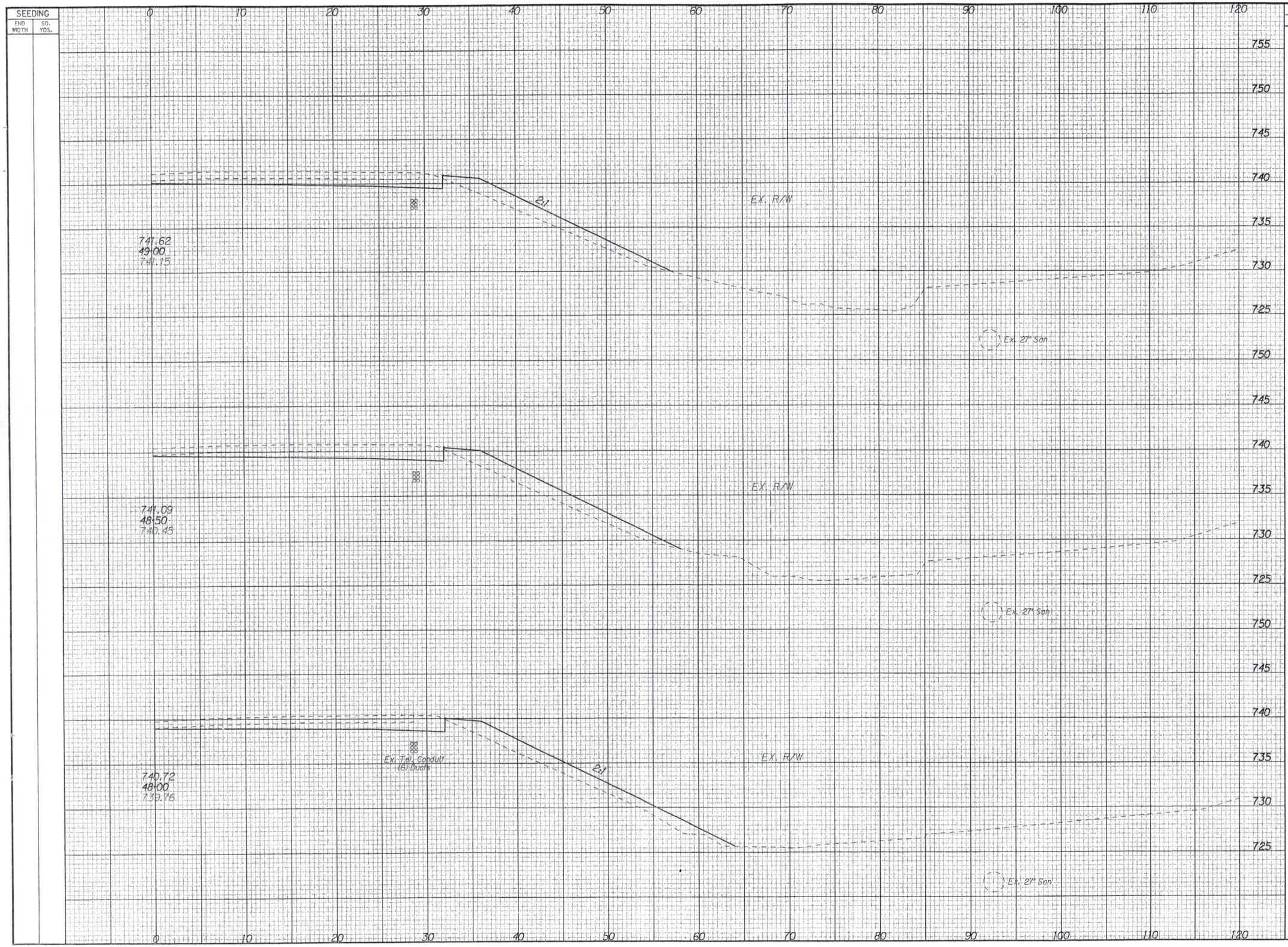
120 110 100 90 80 70 60 50 40 30 20 10 0

CROSS SECTION SHEET
STA. 48+00 TO STA. 49+00, LT.

BUT-CR19-3.20

202
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
62	112		
		112	206
59	111		
		107	231
57	138		
		97	263

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 48+00 TO STA. 49+00, RT.

BUT-CR19-3.20

203
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

120 110 100 90 80 70 60 50 40 30 20 10 0

765 760 755 750 745 740 735 730 725

R/W

3:1

EL=737.6

743.42
50.50
743.23

R/W

750 745 740 735 730 725

EL=736.5

742.82
50.00
742.44

R/W

750 745 740 735 730 725

3:1

EL=735.5

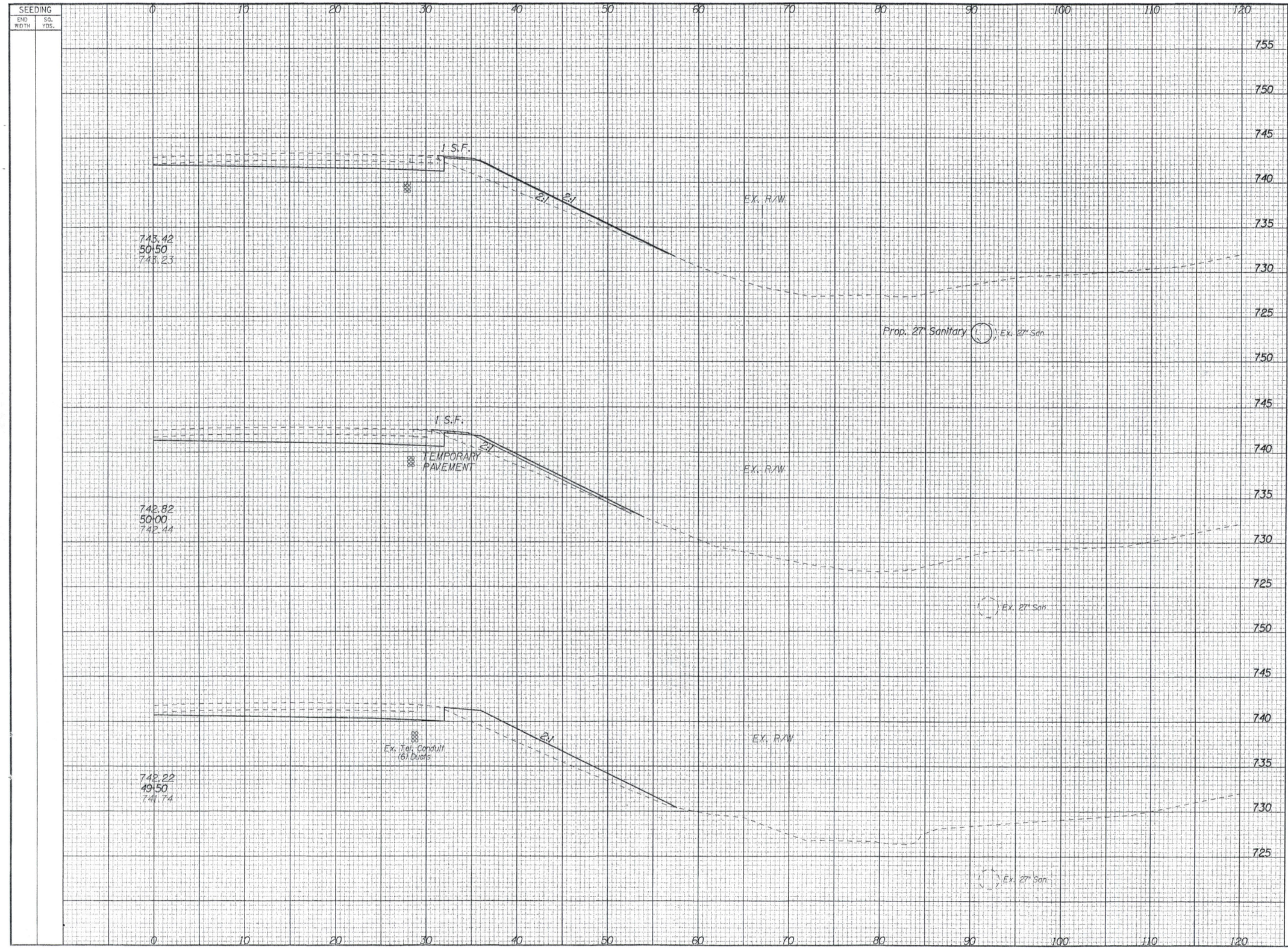
742.22
49.50
741.74

120 110 100 90 80 70 60 50 40 30 20 10 0

CROSS SECTION SHEET
STA. 49+50 TO STA. 50+50, LT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
55	112		
		112	189
66	92		
		119	169
63	91		
		116	188

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 49+50 TO STA. 50+50, RT.

BUT-CR19-3.20

205
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

120 110 100 90 80 70 60 50 40 30 20 10 0

765 760 755 750 745 740 735 730 725

R/W

3:1

IL=739.9

745.22
52+00
744.97

R/W

750 745 740 735 730 725

IL=738.9

744.62
51+50
744.22

R/W

750 745 740 735 730 725

3:1

IL=738.4

744.02
51+00
743.70

120 110 100 90 80 70 60 50 40 30 20 10 0

CROSS SECTION SHEET
STA. 51+00 TO STA. 52+00, LT.

BUT-CR19-3.20

206
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL
86	470		
		129	716
53	303		
		92	423
46	154		
		94	246

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 51+00 TO STA. 52+00, RT.

745.22
52+00
744.97

EX. R/W
2:1
3:1
3:1
Prop. 27" Sanitary
Ex. 27" San
Fl.= 727.9
Rock Channel Protection
Type C, With Fabric Filter
T=30, (Typ.)

744.62
51+50
744.22

10' Bench
Typical
EX. R/W
2:1
2:1
3:1
Ft.=727.7
Ex. 27" San
Rock Channel Protection
Type C, With Fabric Filter
T=30, (Typ.)

744.02
51+00
743.70

TEMPORARY
PAVEMENT
Ex. Tel. Conduit
(6) Ducts
2:1
EX. R/W
Prop. 27" Sanitary
Ft.=727.3
Ex. 27" San
Rock Channel Protection
Type C, With Fabric Filter
T=30, (Typ.)

0 10 20 30 40 50 60 70 80 90 100 110 120

755 750 745 740 735 730 725 750 745 740 735 730 725 750 745 740 735 730 725

BUT-CR19-3.20

207
608

SEEDING	
END WIDTH	SQ. YDS.

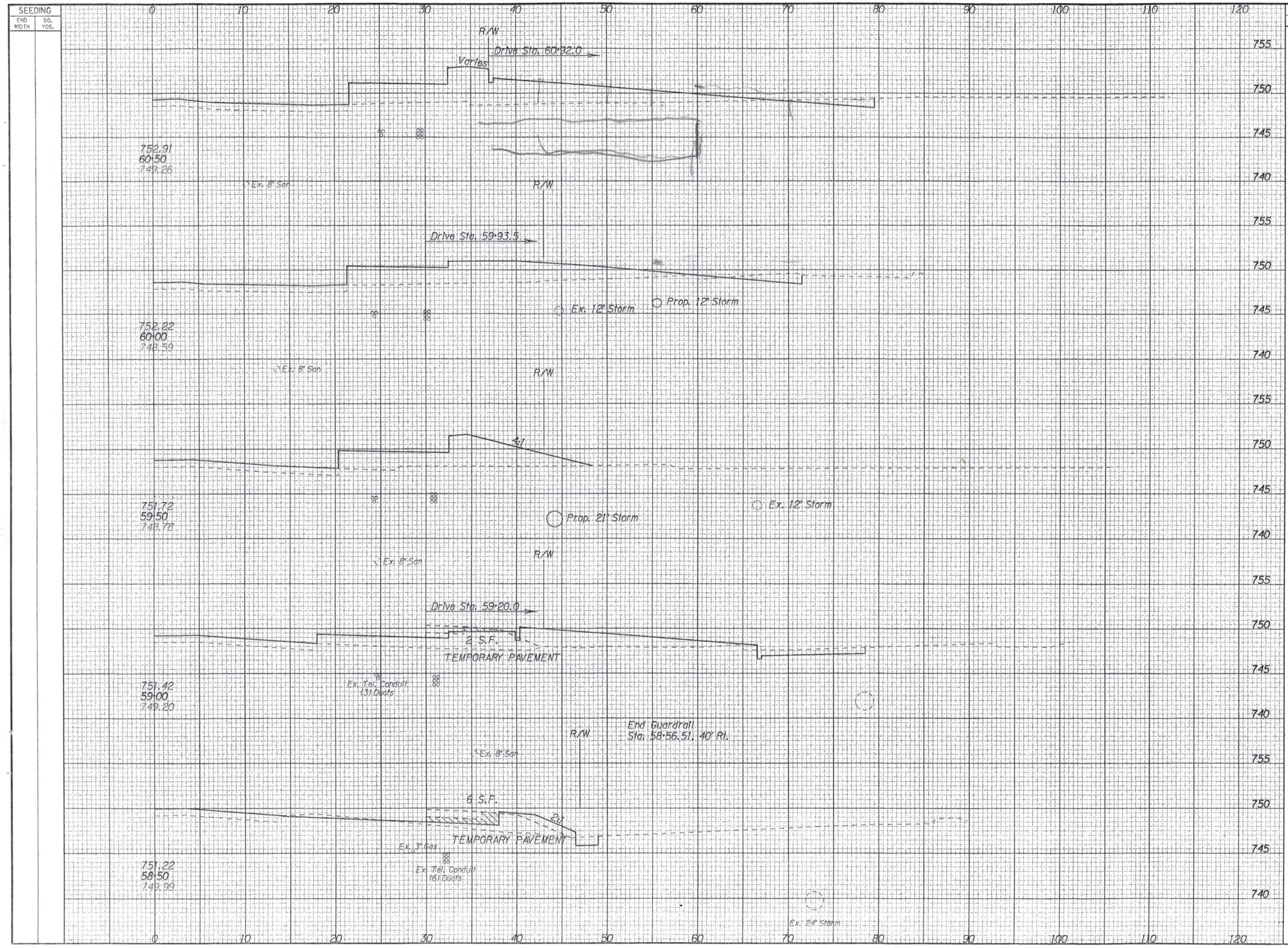
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 58+50 TO STA. 60+50, LT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
7	139		
		11	262
5	144		
		6	273
1	151		
		10	289
10	161		
		152	164
154	15		
		151	227

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 58+50 TO STA. 60+50, RT.

BUT-CR19-3.20

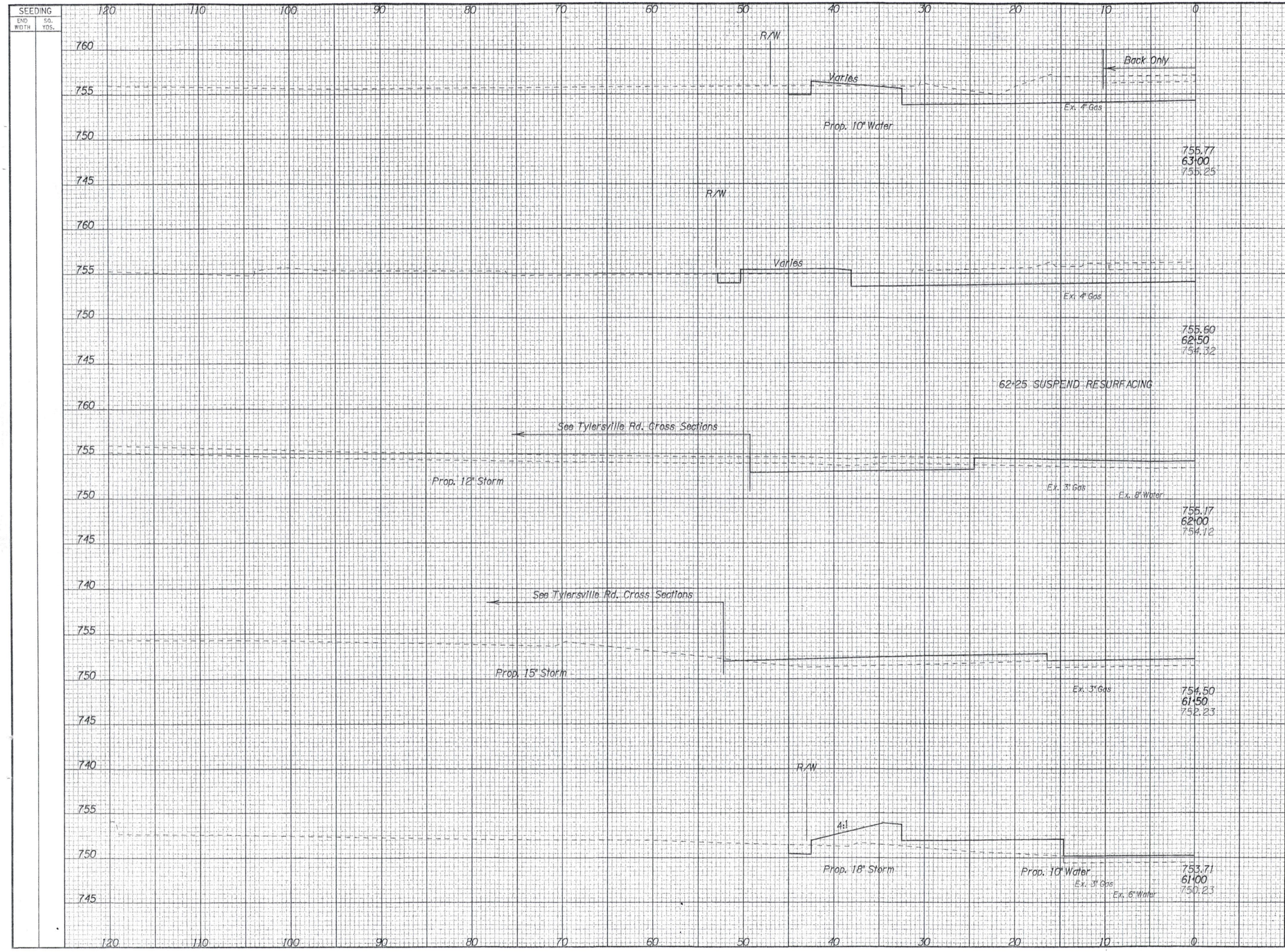
217
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED GKB

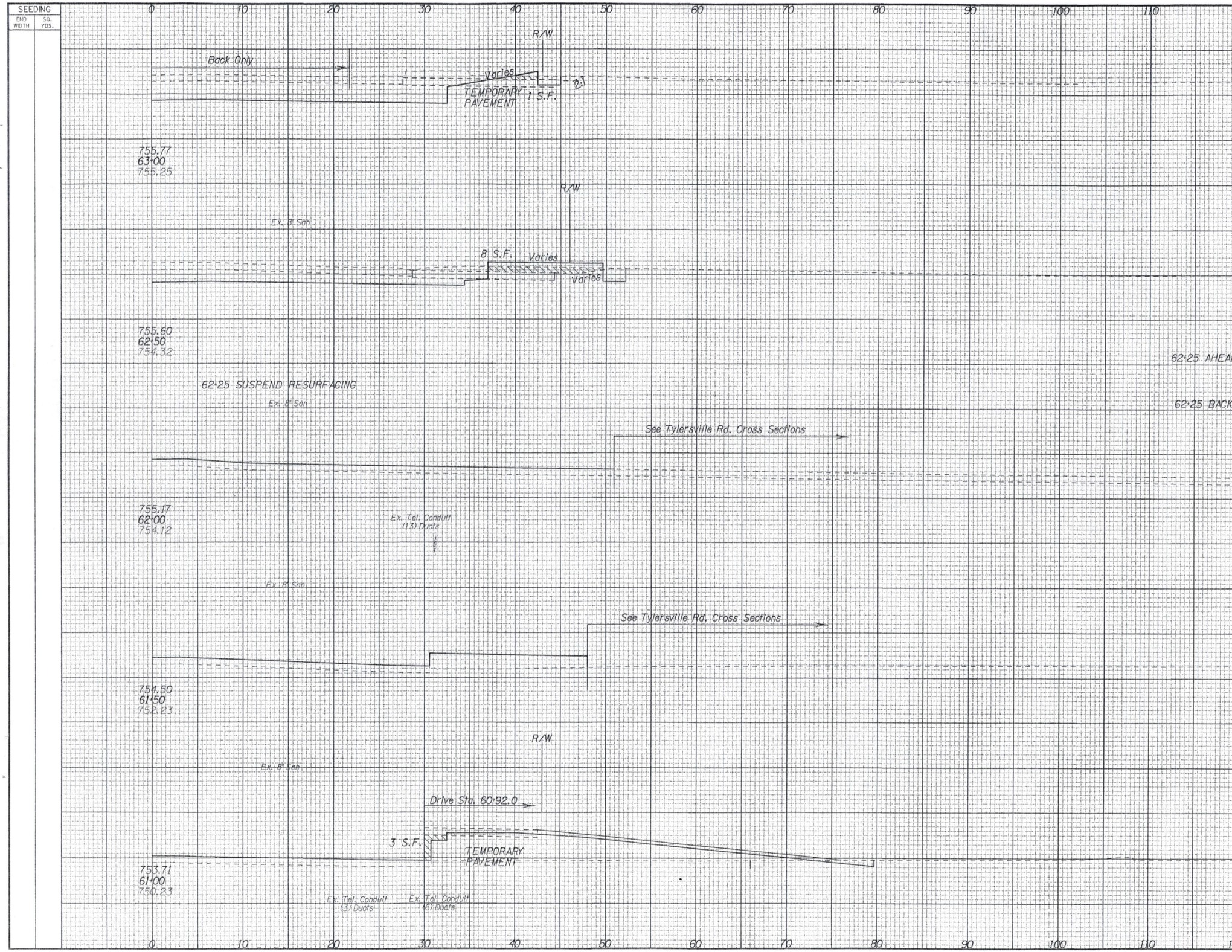


CROSS SECTION SHEET
STA. 61+00 TO STA. 63+00, LT.

BUT-CR19-3.20

218
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
184	2		
		308	13
149	12		
		138	11
149	12		
0	112		
		0	104
0	112		
		0	154
0	54		
		5	162
5	121		
		11	241

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 61+00 TO STA. 63+00, RT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

120 110 100 90 80 70 60 50 40 30 20 10 0

765 760 755 750 745 740 735 730 725

R/W

3:1

℄=743.1

747.02
53+50
746.90

R/W

℄=742.0

746.42
53+00
746.27

R/W

3:1

℄=741.0

745.82
52+50
745.58

750 745 740 735 730 725

120 110 100 90 80 70 60 50 40 30 20 10 0

CROSS SECTION SHEET
STA. 52+50 TO STA. 53+50, LT.

BUT-CR19-3.20

208
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL
59	486		
		116	872
66	456		
		163	817
110	426		
		181	830

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 52+50 TO STA. 53+50, RT.

BUT-CR19-3.20

209
608

0 10 20 30 40 50 60 70 80 90 100 110 120

755 750 745 740 735 730 725 750 745 740 735 730 725 750 745 740 735 730 725

6 S.F.
2:1
2:1
EX. R/W
747.02
53+50
746.90
2.5:1
2.5:1
Prop. 27" Sanitary
Ex. 27" San
ft.=728.5
Rock Channel Protection
Type C, With Fabric Filter
T=30, (Typ.)

5 S.F.
EX. R/W
746.42
53+00
746.27
2:1
2:1
2:1
3:1
Ex. 27" San
ft.=728.3
Rock Channel Protection
Type C, With Fabric Filter
T=30, (Typ.)

EX. R/W
3 S.F.
TEMPORARY
PAVEMENT
Ex. Tel. Conduit
(6) Ducts
10' Bench
Typical
745.82
52+50
745.58
2:1
2:1
2.5:1
2:1
Prop. 27" Sanitary
Ex. 27" San
ft.=728.1
Rock Channel Protection
Type C, With Fabric Filter
T=30, (Typ.)

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED GKB

CROSS SECTION SHEET

STA. 54+00 TO STA. 55+00, LT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL
43	478		
		102	911
67	506		
		140	971
84	543		
		132	953

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 54+00 TO STA. 55+00, RT.

BUT-CR19-3.20

211
608

0 10 20 30 40 50 60 70 80 90 100 110 120

760 755 750 745 740 735 730 725

18 S.F.
2:1
2:1
EX. R/W
748.82
55+00
748.55
Prop. 27" Sanitary
Ex. 27" San
Rock Channel Protection
Type C, With Fabric Filter
T=30, (Typ.)

13 S.F.
EX. R/W
2:1
2:1
2.5:1
2.5:1
748.22
54+50
748.06
Ex. 27" San
℄=729.6
Rock Channel Protection
Type C, With Fabric Filter
T=30, (Typ.)

8 S.F.
EX. R/W
TEMPORARY PAVEMENT
Ex. Tel. Conduit
(6) Ducts
10' Bench
Typical
2:1
2:1
3:1
2:1
747.62
54+00
747.44
Prop. 27" Sanitary
Ex. 27" San
℄=728.9
Rock Channel Protection
Type C, With Fabric Filter
T=30, (Typ.)

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED CKB

120 110 100 90 80 70 60 50 40 30 20 10 0

765 760 755 750 745 740 735 730

R/W

2:1

750.35
56+50
749.70

Rt-743.2

749.95
56+00
749.44

R/W

755 750 745 740 735 730

R/W

3:1

Rt-744.4

749.42
55+50
749.06

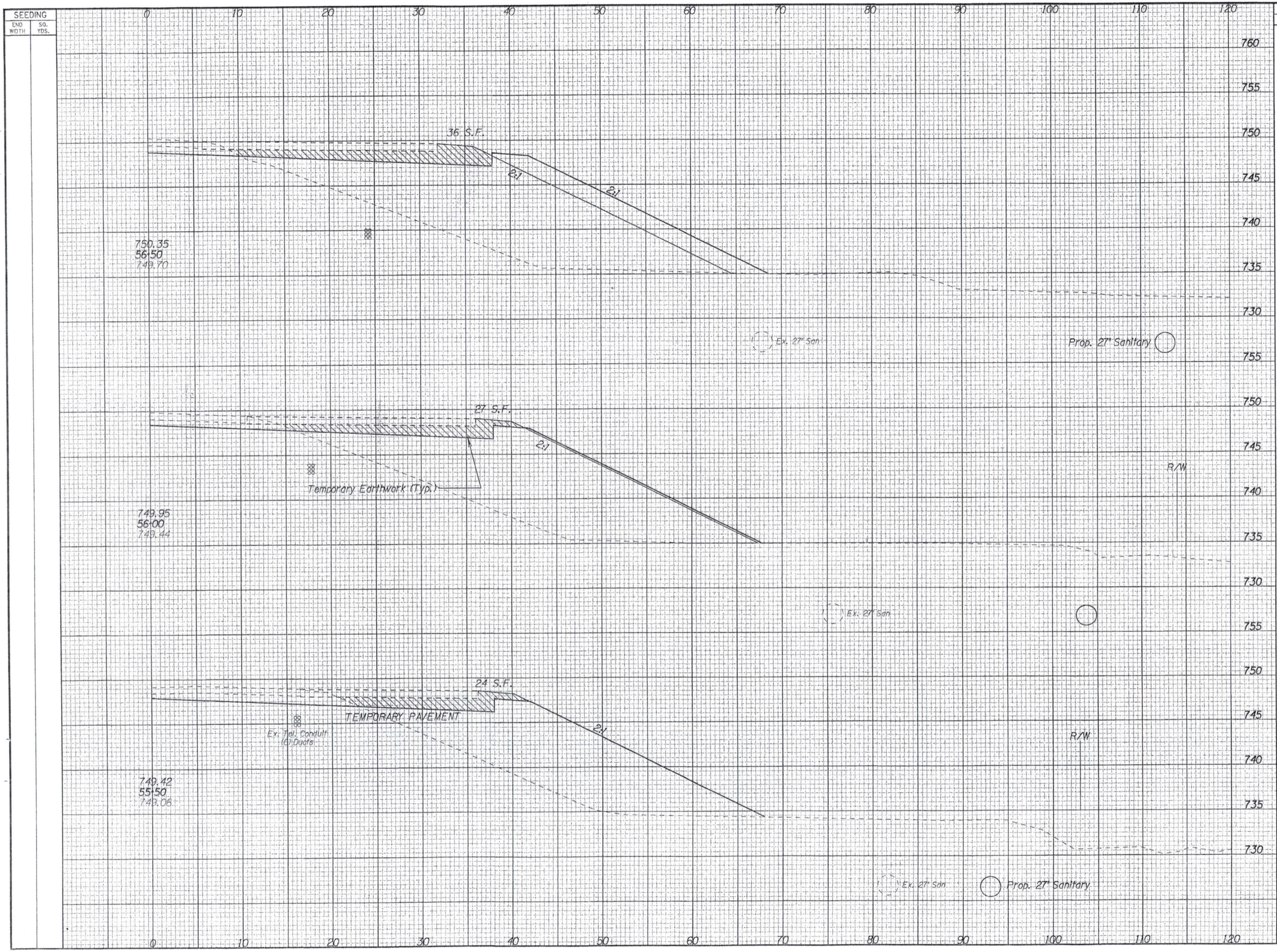
120 110 100 90 80 70 60 50 40 30 20 10 0

CROSS SECTION SHEET
STA. 55+50 TO STA. 56+50, LT.

BUT-CR19-3.20

212
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
49	444		
		81	867
39	492		
		74	855
41	431		
		78	842

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 55+50 TO STA. 56+50, RT.

BUT-CR19-3.20

213
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED GKB

CROSS SECTION SHEET

STA. 57+00 TO STA. 58+00, LT.

120 110 100 90 80 70 60 50 40 30 20 10 0

755 750 745 740 735 730

R/W

3:1

751.02
58.00
750.29

Prop. 12" Storm

R/W

See Channel Cross Sections

Ahead Only

Varies

755 750 745 740 735 730

R/W

750.82
BEGIN RESURFACING 57.50
738.28

Ex. 24" San

760 755 750 745 740 735 730

2:1

R-740.2

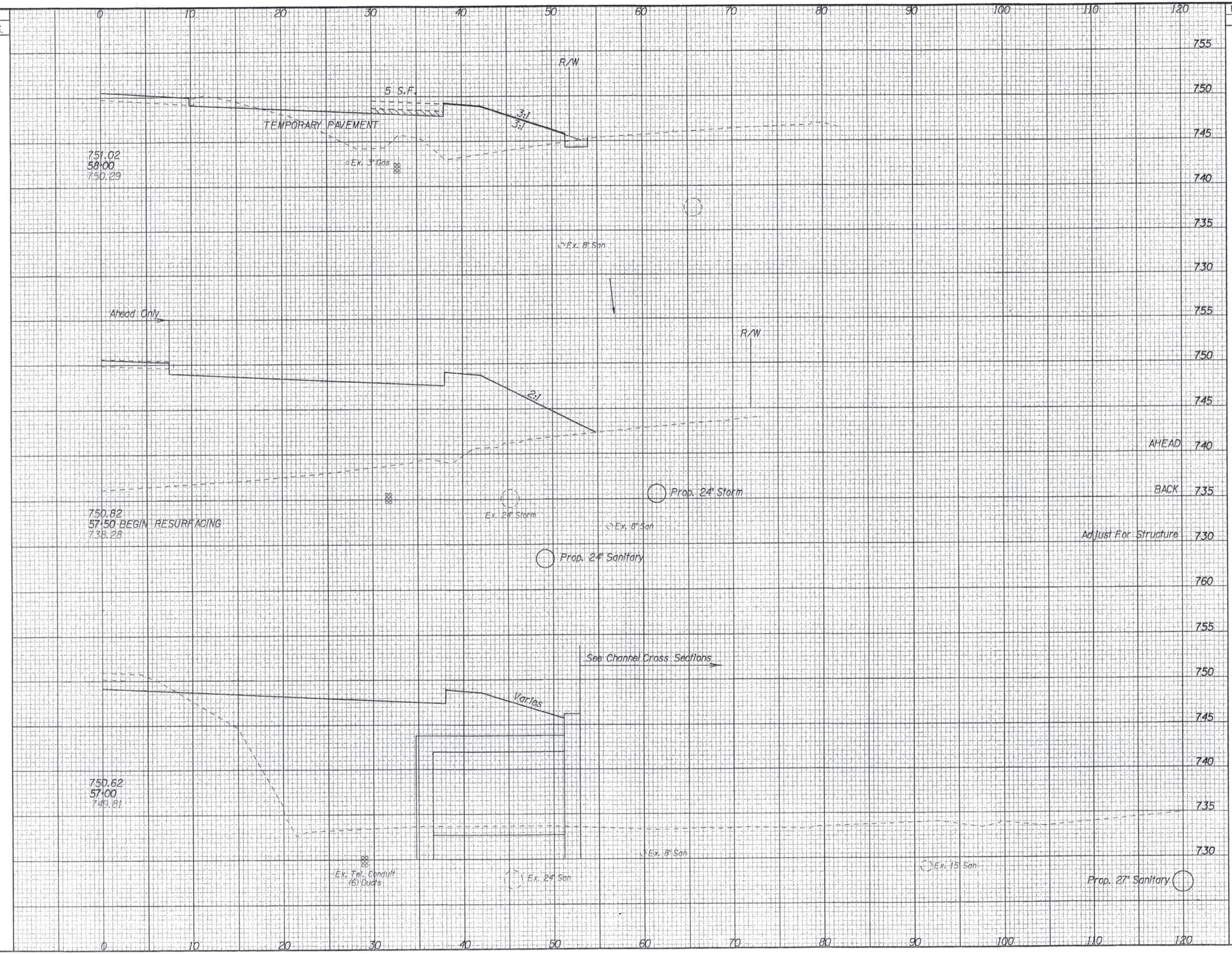
750.62
57.00
749.81

120 110 100 90 80 70 60 50 40 30 20 10 0

BUT-CR19-3.20

214
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
8	230		
		7	1645
0	1547		
19	1547		
		0	1463
		64	2077
50	696		
		92	1056

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 57+00 TO STA. 58+00, RT.

BUT-CR19-3.20

215
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED GKB

120 110 100 90 80 70 60 50 40 30 20 10 0

R/W

Drive Sta. 65+57.5

755 750 745

Ex. 12" Storm

Ex. 12" Storm

Ex. 4" Gas

753.18
65+50
752.31

Prop. 10" Water

Ex. 8" San

R/W

4:1

755 750 745

Ex. 4" Gas

754.05
65+00
752.77

R/W

Ex. 8" San

Drive Sta. 64+38.0

760 755 750

Ex. 4" Gas

754.85
64+50
753.44

745

R/W

Ex. 8" San

Drive Sta. 63+89.0

760 755 750

Ex. 4" Gas

755.37
64+00
753.98

745

R/W

Varies

760 755 750

Ex. 4" Gas

Prop. 10" Water

Ex. 8" Water

755.69
63+50
754.53

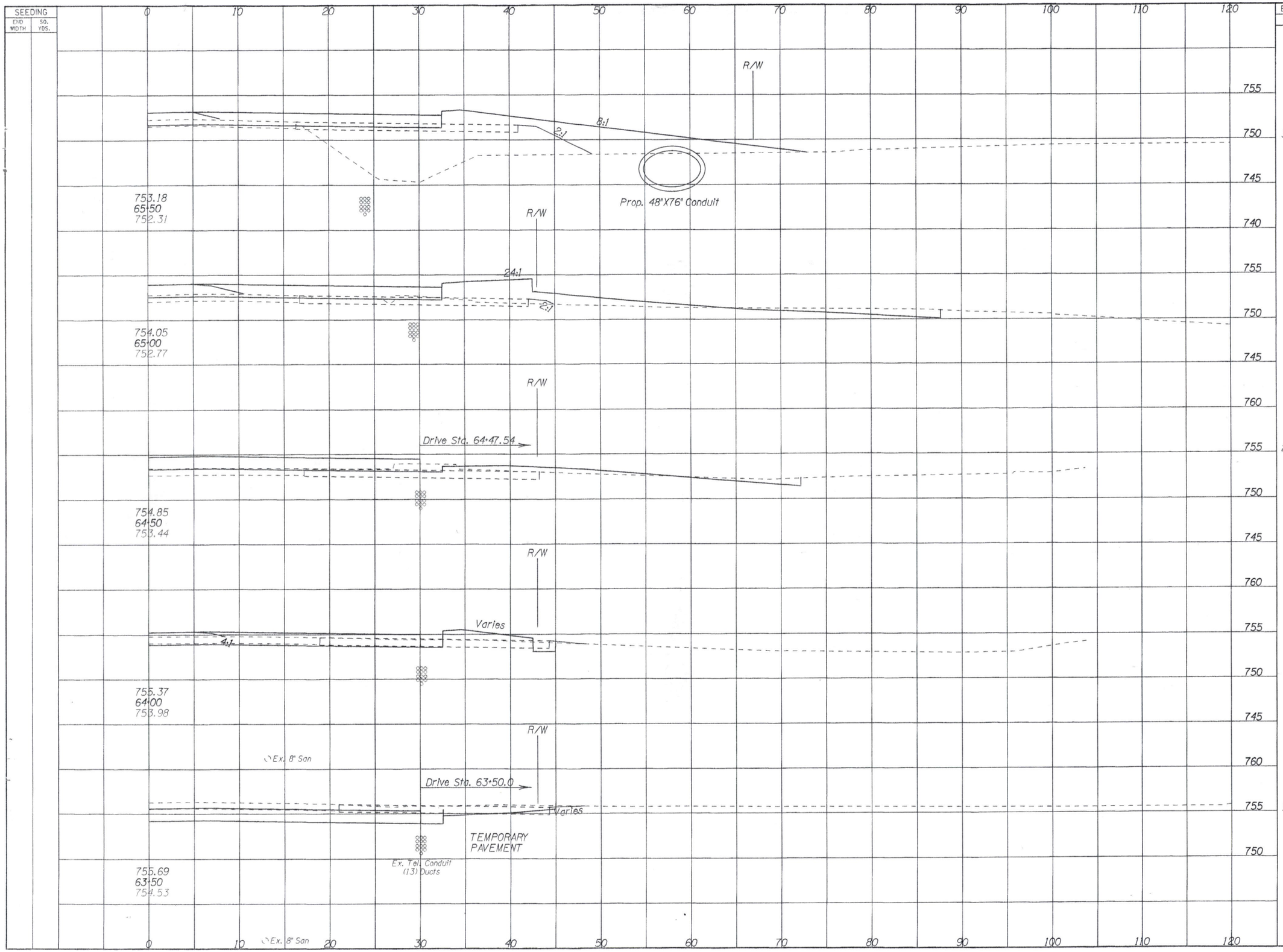
745

120 110 100 90 80 70 60 50 40 30 20 10 0

CROSS SECTION SHEET
STA. 63+50 TO STA. 65+50, LT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
31	182		
		37	203
9	37		
		34	54
28	21		
		29	93
3	79		
		122	76
129	3		
		290	5

CALCULATED JMD

CHECKED GKB

CROSS SECTION SHEET

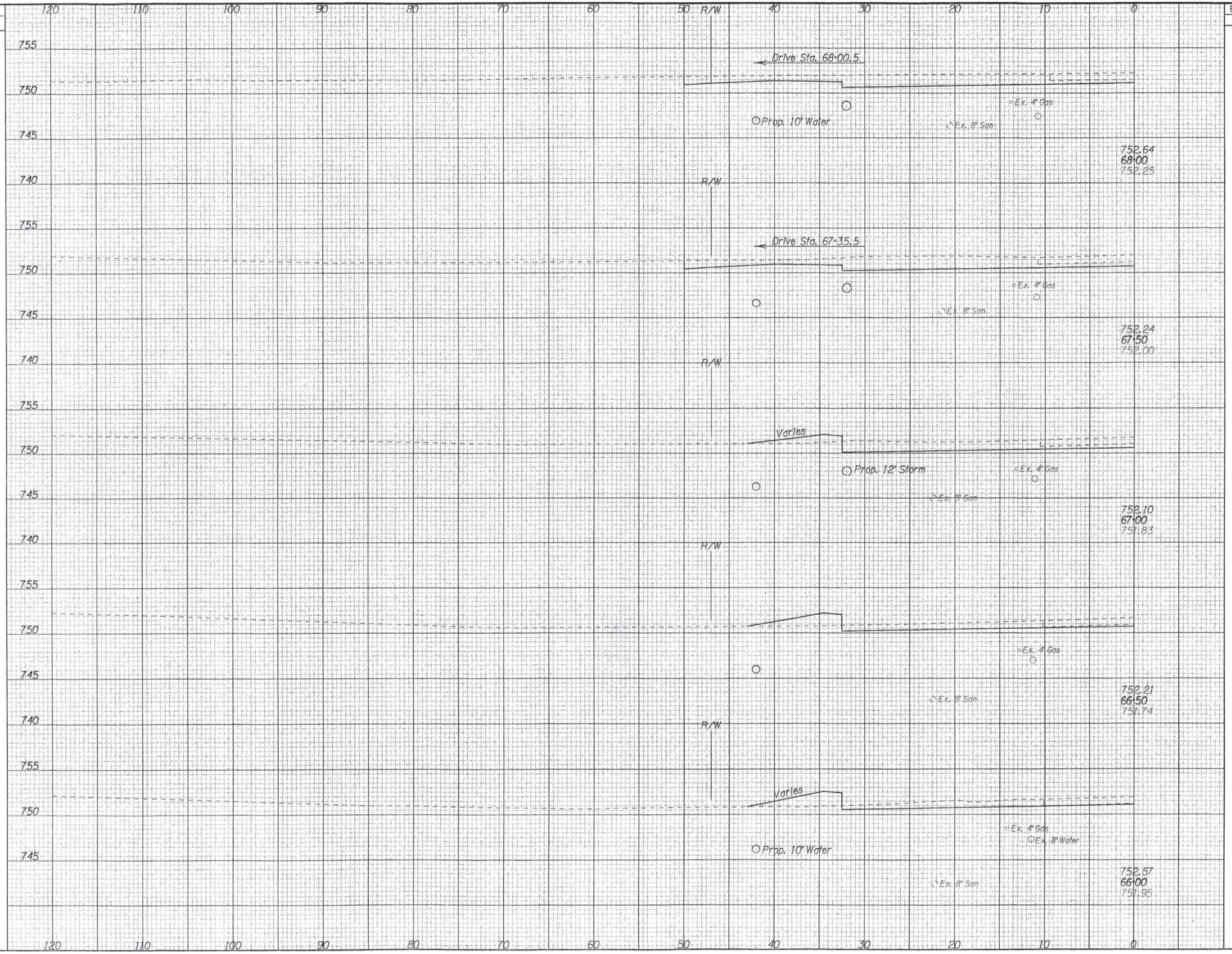
STA. 63+50 TO STA. 65+50, RT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

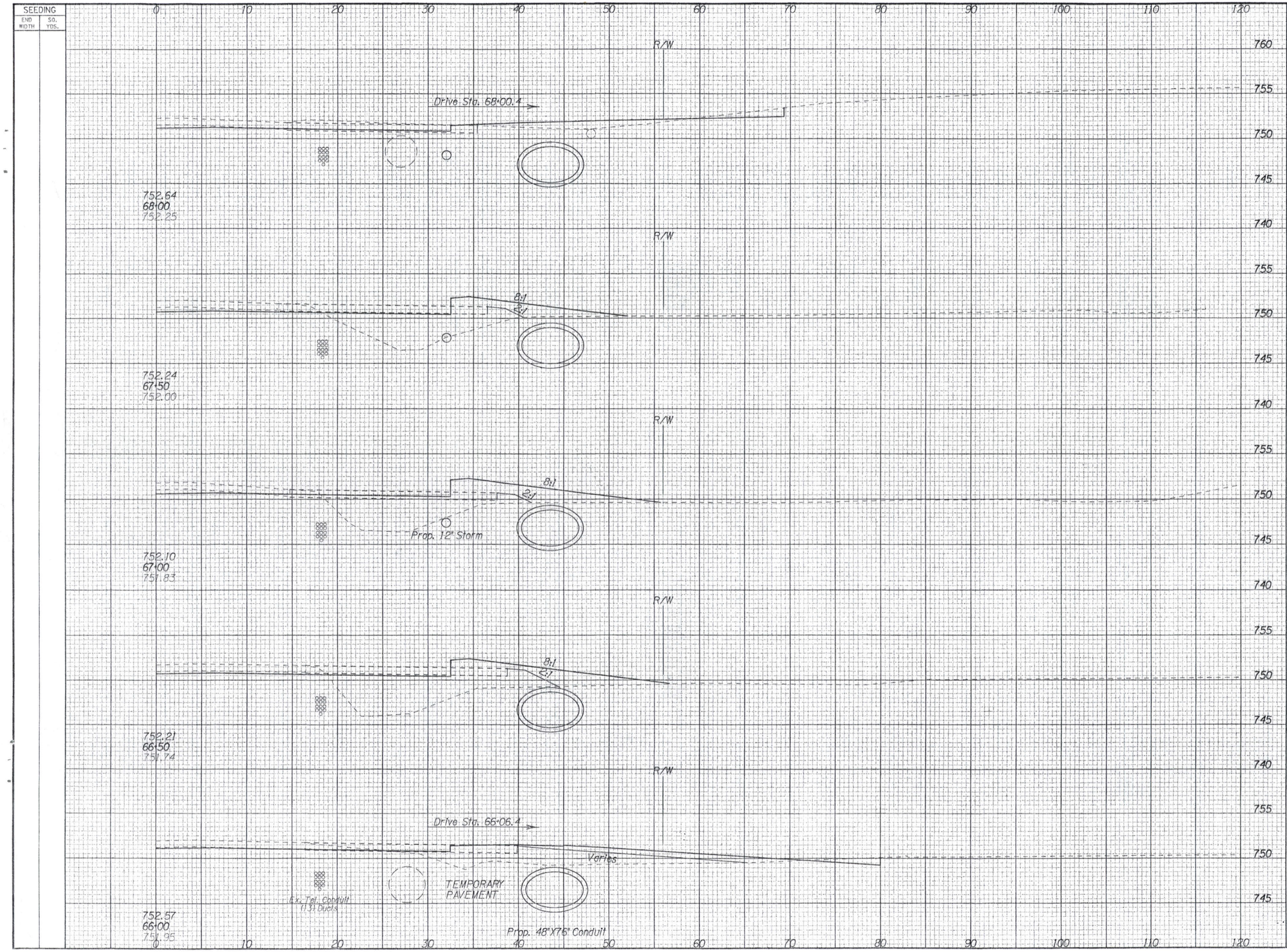


CROSS SECTION SHEET
STA. 66+00 TO STA. 68+00, LT.

BUT-CR19-3.20

222
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
86	12		
		147	76
73	70		
		115	145
51	87		
		87	175
43	102		
		79	157
42	68		
		68	231

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 66+00 TO STA. 68+00, RT.

BUT-CR19-3.20

223
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 68+50 TO STA. 70+50, LT.

BUT-CR19-3.20

224
608

120 110 100 90 80 70 60 50 40 30 20 10 0

760
755
750
745
740

R/W

Varies

Prop. 10" Water

Ex. 4" Gas

Ex. 8" San

755.52
70+50
754.81

R/W

Ex. 4" Gas

754.73
70+00
754.12

R/W

Ex. 4" Gas

Ex. 8" San

754.14
69+50
753.50

R/W

Drive Sta. 69+13.7

Prop. 12" Storm

Ex. 4" Gas

Ex. 8" San

753.64
69+00
752.94

R/W

Varies

Prop. 12" Storm

Prop. 10" Water

Ex. 4" Gas

Ex. 8" San

Ex. 8" Water

753.14
68+50
752.56

SEEDING	
END WIDTH	SQ. YDS.

0 10 20 30 40 50 60 70 80 90 100 110 120

R/W

Drive Sta. 70+34.5

Varies

8:1

2:1

755.52
70+50
754.81

R/W

8:1

2:1

754.73
70+00
754.12

R/W

Drive Sta. 69+50.0

754.14
69+50
753.50

R/W

8:1

2:1

753.64
69+00
752.94

R/W

8:1

2:1

753.14
68+50
752.56

TEMPORARY PAVEMENT

0 10 20 30 40 50 60 70 80 90 100 110 120

760
755
750
745
760
755
750
745
760
755
750
745
740
755
750
745
760
755
750
745

END AREA		VOLUME	
CUT	FILL	CUT	FILL
50	79		
		79	154
35	87		
		73	87
44	7		
		74	83
36	83		
		78	145
48	74		
		124	80

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 68+50 TO STA. 70+50, RT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 71+00 TO STA. 73+00, LT.

BUT-CR19-3.20

226
608

120 110 100 90 80 70 60 50 40 30 20 10 0

765
760
755
750
745

R/W
Varies
Prop. 10" Water
Prop. 12" Storm
Ex. 4" Gas
Ex. 8" San
761.36
73+00
760.64

R/W
Drive Sta. 72+65.0
Ex. 4" Gas
Ex. 8" San
760.14
72+50
760.08

R/W
Varies
Ex. 4" Gas
Ex. 8" San
758.89
72+00
758.54

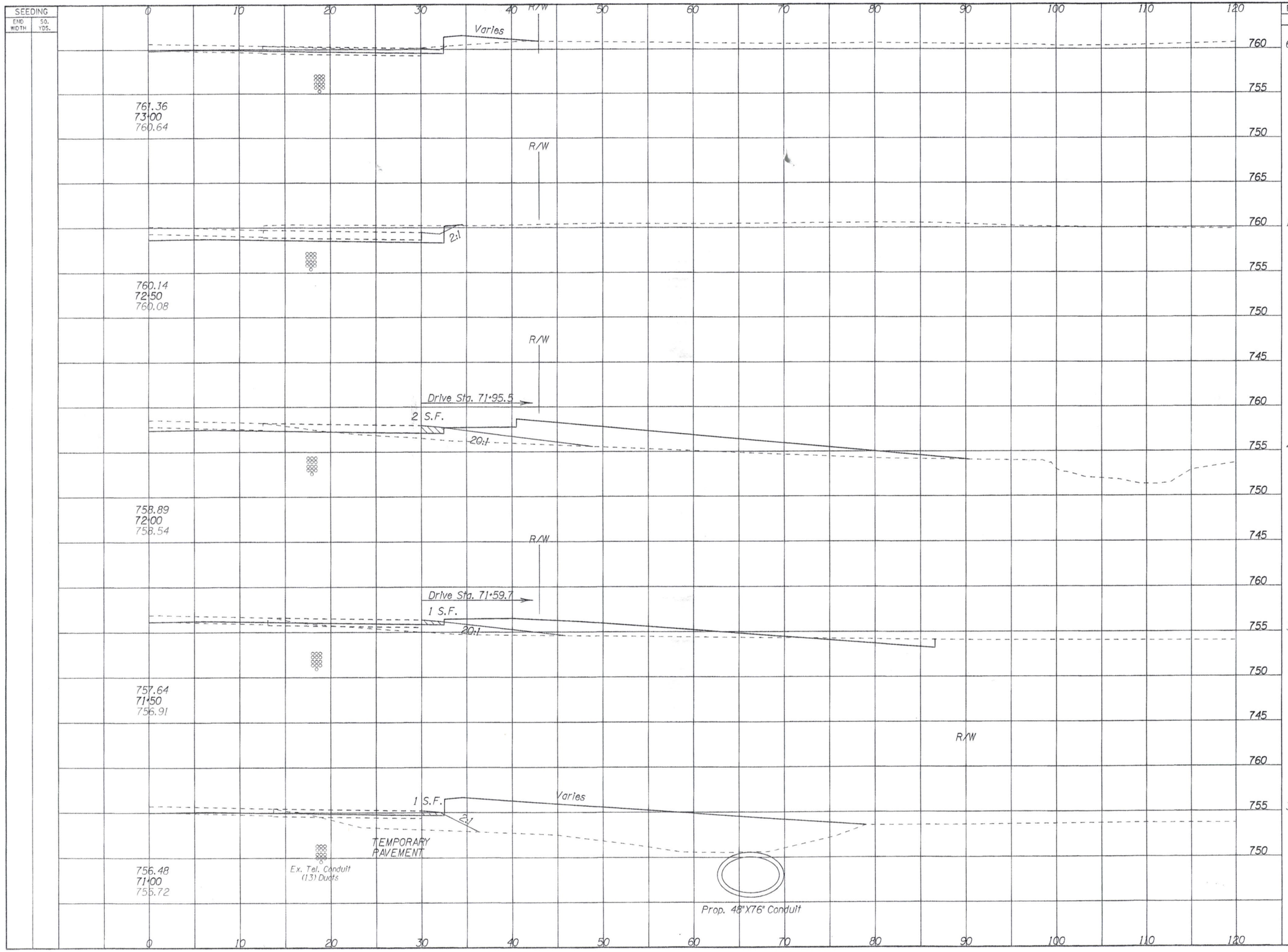
R/W
Varies
Ex. 4" Gas
Ex. 8" San
757.64
71+50
756.91

R/W
Drive Sta. 70+97.0
Prop. 10" Water
Prop. 12" Storm
Ex. 4" Gas
Ex. 8" Water
Ex. 8" San
756.48
71+00
755.72

CROSS SECTION SHEET
STA. 71+00 TO STA. 73+00, RT.

CALCULATED JMD
CHECKED GKB

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		62	8		
				169	7
		120	0		
				151	92
		43	99		
				68	151
		30	64		
				58	222
		33	176		
				77	236



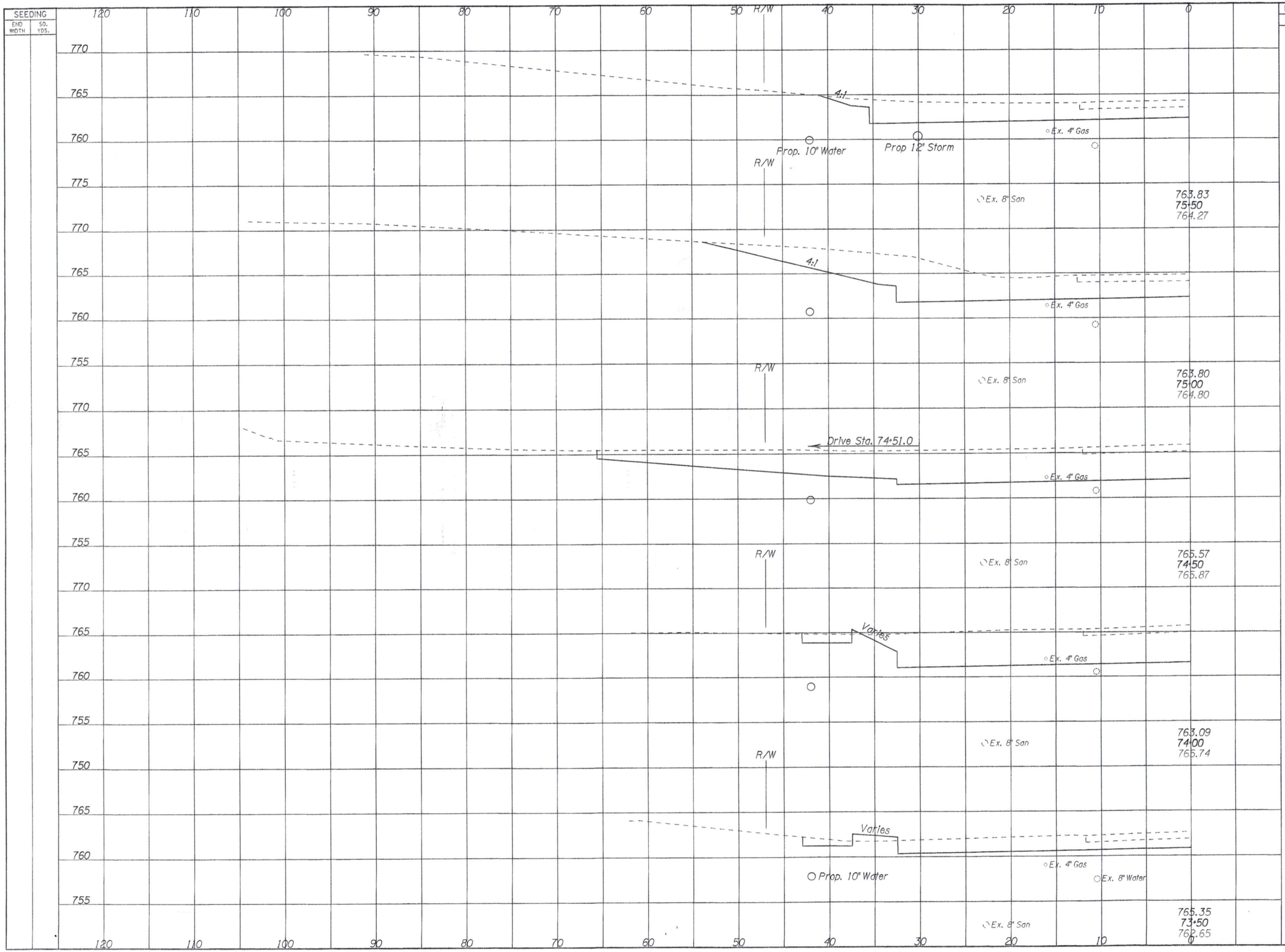
BUT-CR19-3.20

227
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB



CROSS SECTION SHEET
STA. 73+50 TO STA. 75+50, LT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.

0 10 20 30 40 50 60 70 80 90 100 110 120

R/W

1 S.F. 2:1 Varies

Prop 12" Storm

763.83
75+50
764.27

R/W

1 S.F. 2:1

763.80
75+00
764.80

R/W

2 S.F. 2:1 Varies

765.57
74+50
765.87

R/W

Drive Sta. 74+01.0 →

Varies

763.09
74+00
765.74

R/W

Varies

Varies

TEMPORARY PAVEMENT

Ex. Tel. Conduit (13) Ducts

765.35
73+50
762.65

0 10 20 30 40 50 60 70 80 90 100 110 120

770 765 760 775 770 765 760 755 770 765 760 755 770 765 760 755 750 765 760 755

END AREA		VOLUME	
CUT	FILL	CUT	FILL
130	4		
		315	5
210	1		
		475	1
303	0		
		565	0
307	0		
		393	10
116	11		
		165	18

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 73+50 TO STA. 75+50, RT.

BUT-CR19-3.20

229
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED GKB

120 110 100 90 80 70 60 50 R/W 40 30 20 10 0

770
765
760
755

4:1
Prop. 12" Storm
Prop. 10" Water
Ex. 4" Gas
Ex. 8" San
767.77
78+00
768.46

R/W

770
765
760
755

4:1
Ex. 4" Gas
Ex. 8" San
766.44
77+50
766.86

R/W

770
765
760
755

3:1
Ex. 4" Gas
Ex. 8" San
765.38
77+00
765.59

R/W

770
765
760
755

Ex. 4" Gas
Ex. 8" San
764.59
76+50
764.70

R/W

770
765
760
755

3:1
3:1
3:1
℄=759.5
Prop. 12" Storm
Prop. 10" Water
Ex. 4" Gas
Ex. 8" Water
Ex. 8" San
764.08
76+00
764.40

120 110 100 90 80 70 60 50 40 30 20 10 0

CROSS SECTION SHEET
STA. 76+00 TO STA. 78+00, LT.

BUT-CR19-3.20

230
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL
96	9		
		167	68
84	64		
		144	110
71	55		
		136	86
76	38		
		147	84
83	53		
		197	53

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 76+00 TO STA. 78+00, RT.

BUT-CR19-3.20

231
608

0 10 20 30 40 50 60 70 80 90 100 110 120

770 765 760 755

767.77
78+00
768.46

766.44
77+50
766.86

765.38
77+00
765.59

764.59
76+50
764.70

764.08
76+00
764.40

R/W

Varies

Drive Sta. 76+76.17

3 S.F.

1 S.F.

TEMPORARY PAVEMENT

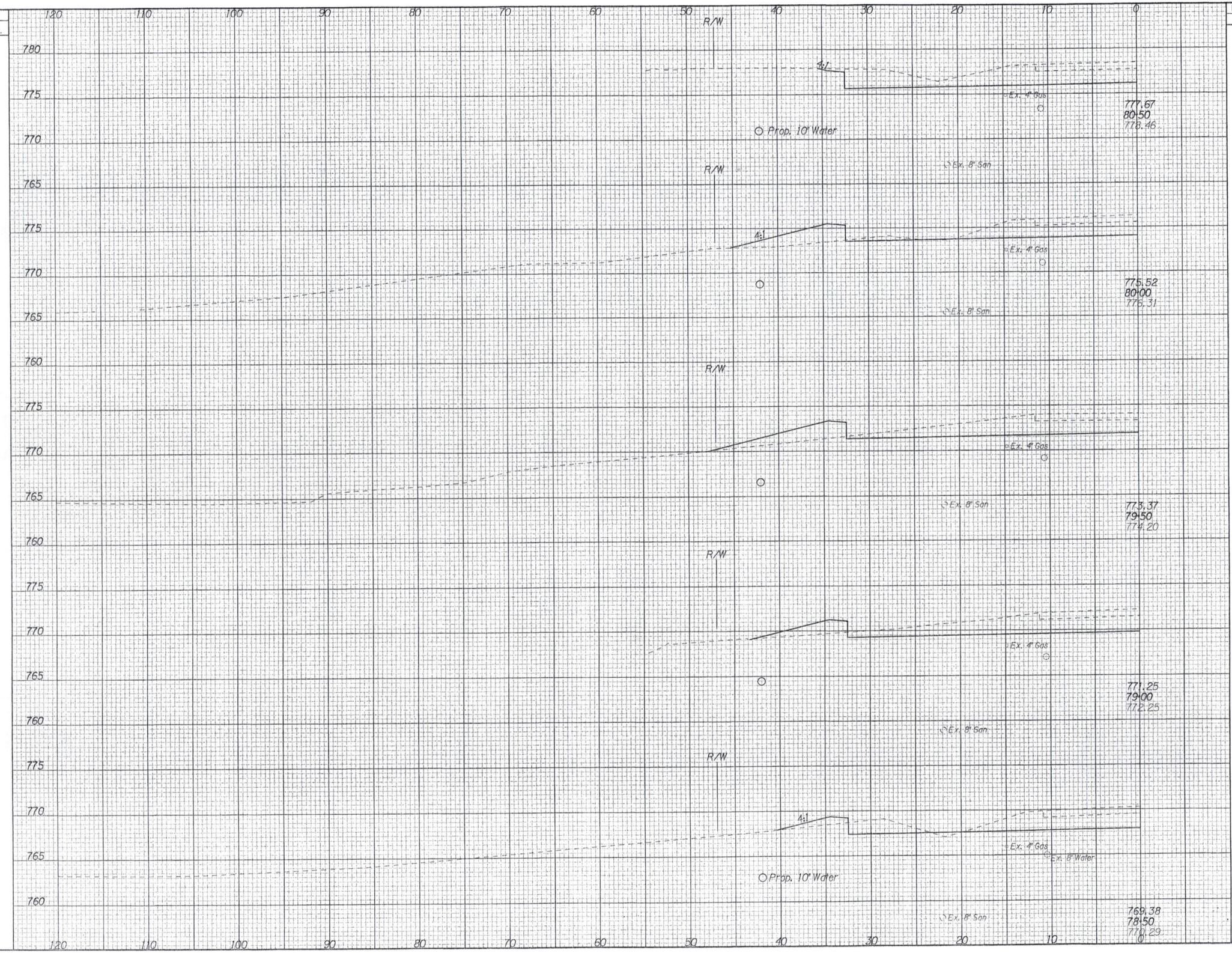
Prop. 21" Storm

Ex. Tel. Conduit (13) Ducts

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

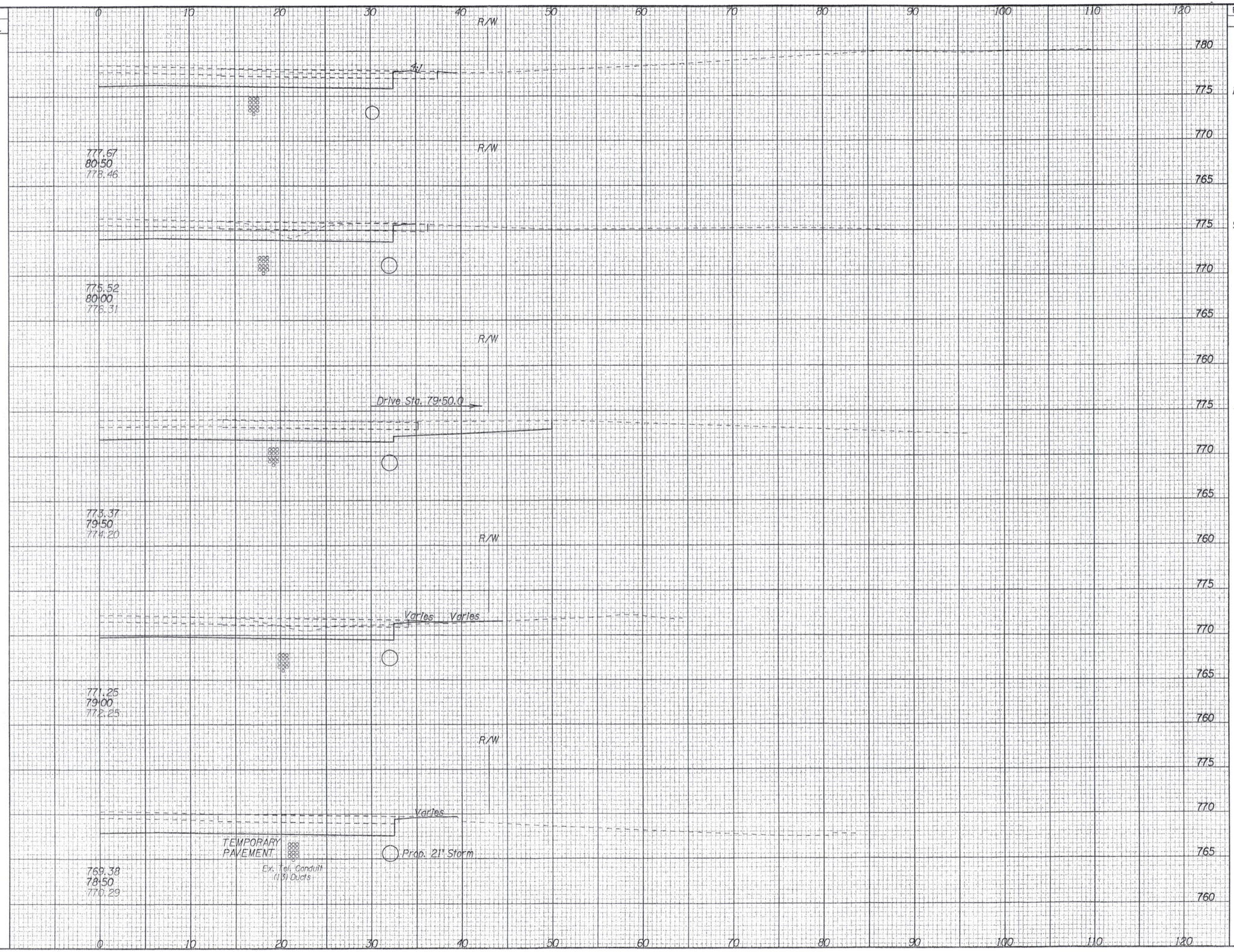


CROSS SECTION SHEET
STA. 78+50 TO STA. 80+50, LT.

BUT-CR19-3.20

232
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
122	1		
		204	16
98	16		
		226	30
146	16		
		244	25
117	11		
		219	15
119	5		
		199	13

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 78+50 TO STA. 80+50, RT.

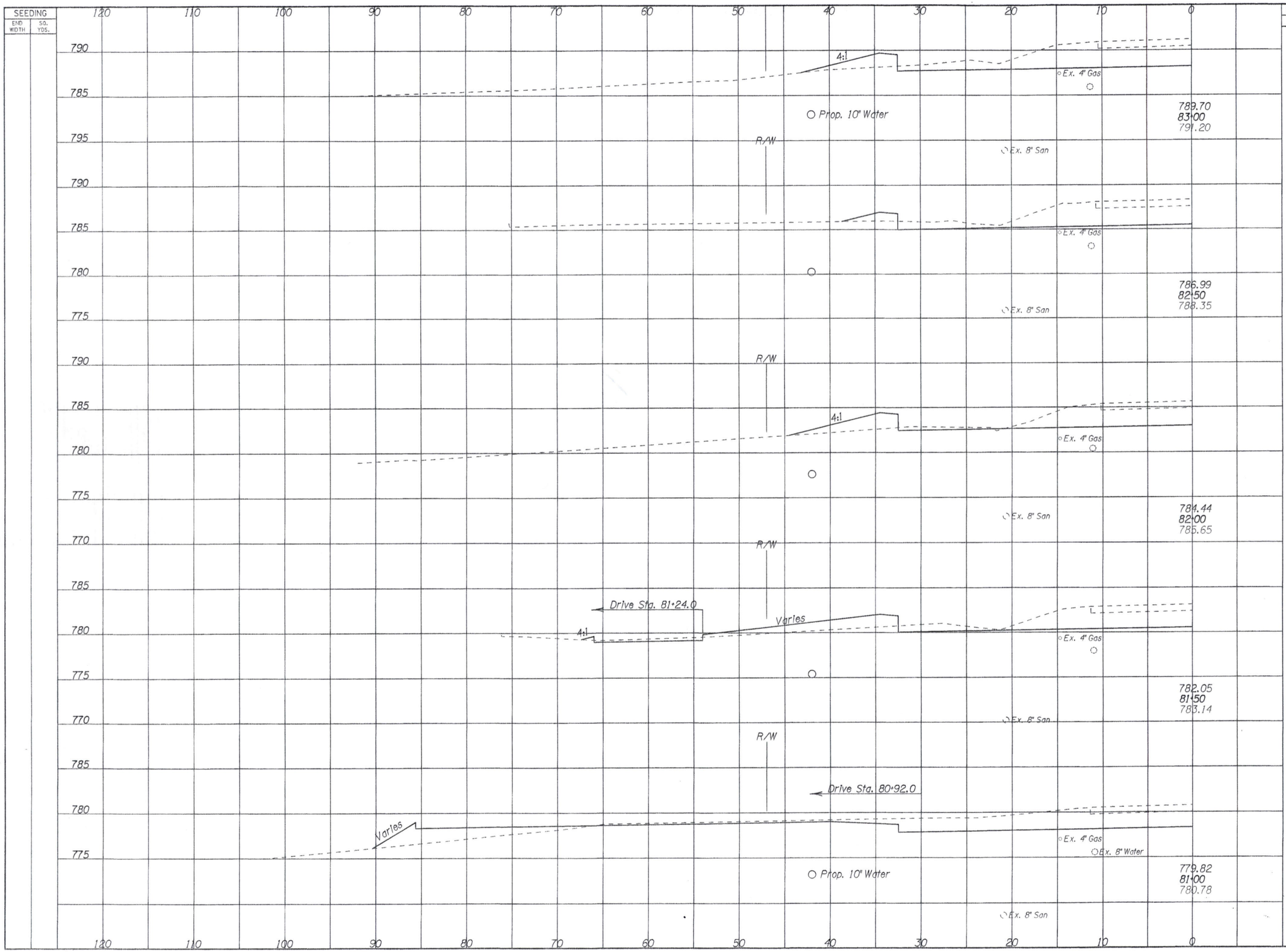
BUT-CR19-3.20

233
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB



CROSS SECTION SHEET
STA. 81+00 TO STA. 83+00, LT.

BUT-CR19-3.20

234
608

SEEDING	
END WIDTH	SQ. YDS.

0 10 20 30 40 50 60 70 80 90 100 110 120

Drive Sta. 83+11.6

789.70
83+00
791.20

R/W

4:1 3 S.F. 2:1

Prop. 15" Storm

786.99
82+50
788.35

R/W

4:1 3 S.F. 2:1

784.44
82+00
785.65

R/W

Drive Sta. 81+58.0

3 S.F. Varies

782.05
81+50
783.14

R/W

Drive Sta. 81+01.0

Varies

TEMPORARY PAVEMENT

Prop. 18" Storm

Ex. Tel. Conduit (13) Ducts

779.82
81+00
780.78

795 790 785 795 790 785 780 775 790 785 780 775 770 785 780 775 770 785 780 775

END AREA		VOLUME	
CUT	FILL	CUT	FILL
217	9		
		326	12
135	4		
		236	16
120	13		
		245	30
145	19		
		302	39
181	23		
		281	22

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 81+00 TO STA. 83+00, RT.

BUT-CR19-3.20

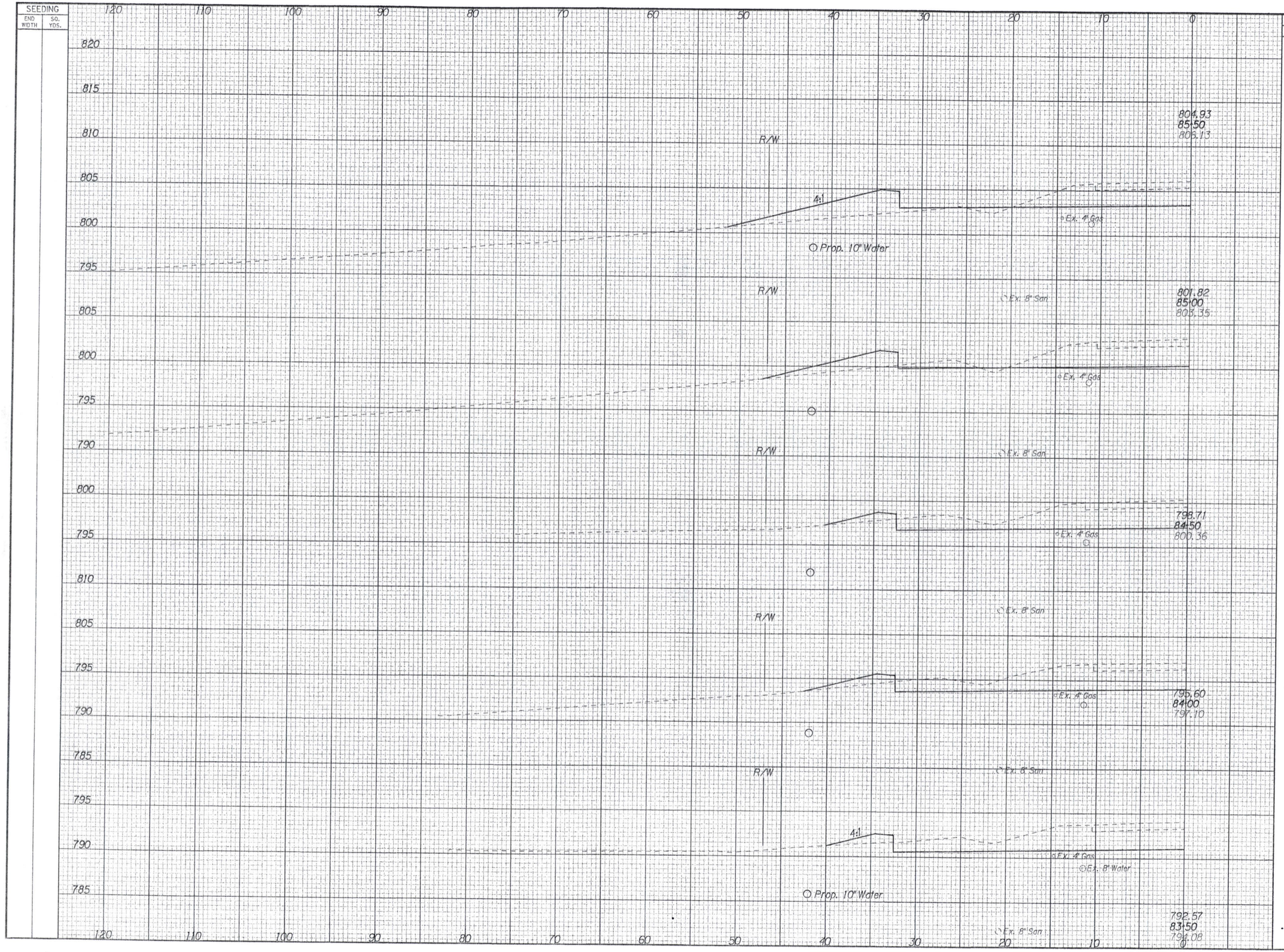
235
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED GKB



CROSS SECTION SHEET
STA. 83+50 TO STA. 85+50, LT.

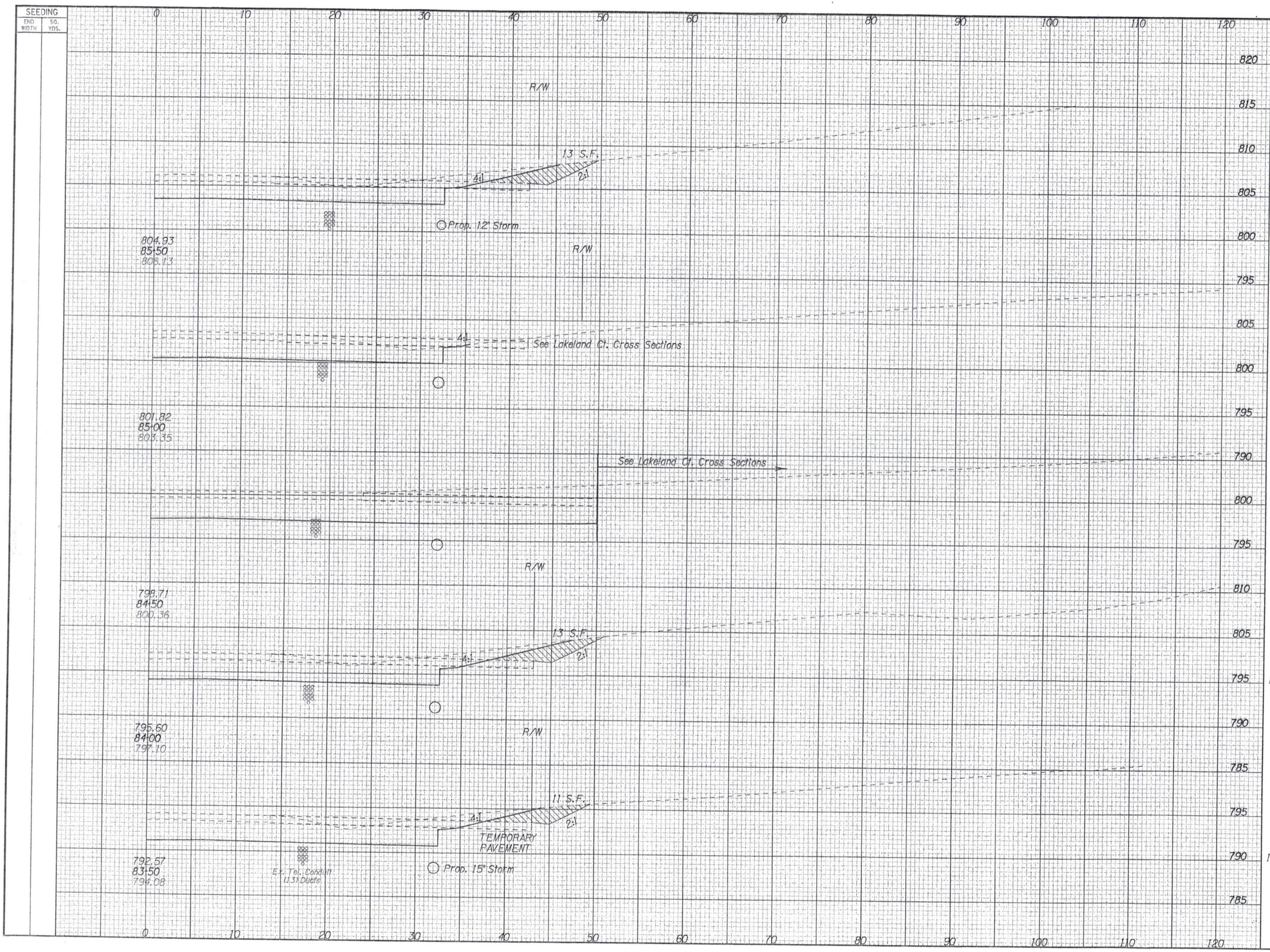
BUT-CR19-3.20

CROSS SECTION SHEET
STA. 83+50 TO STA. 85+50, RT.

CALCULATED JMD | CHECKED GKB

BUT-CR19-3.20

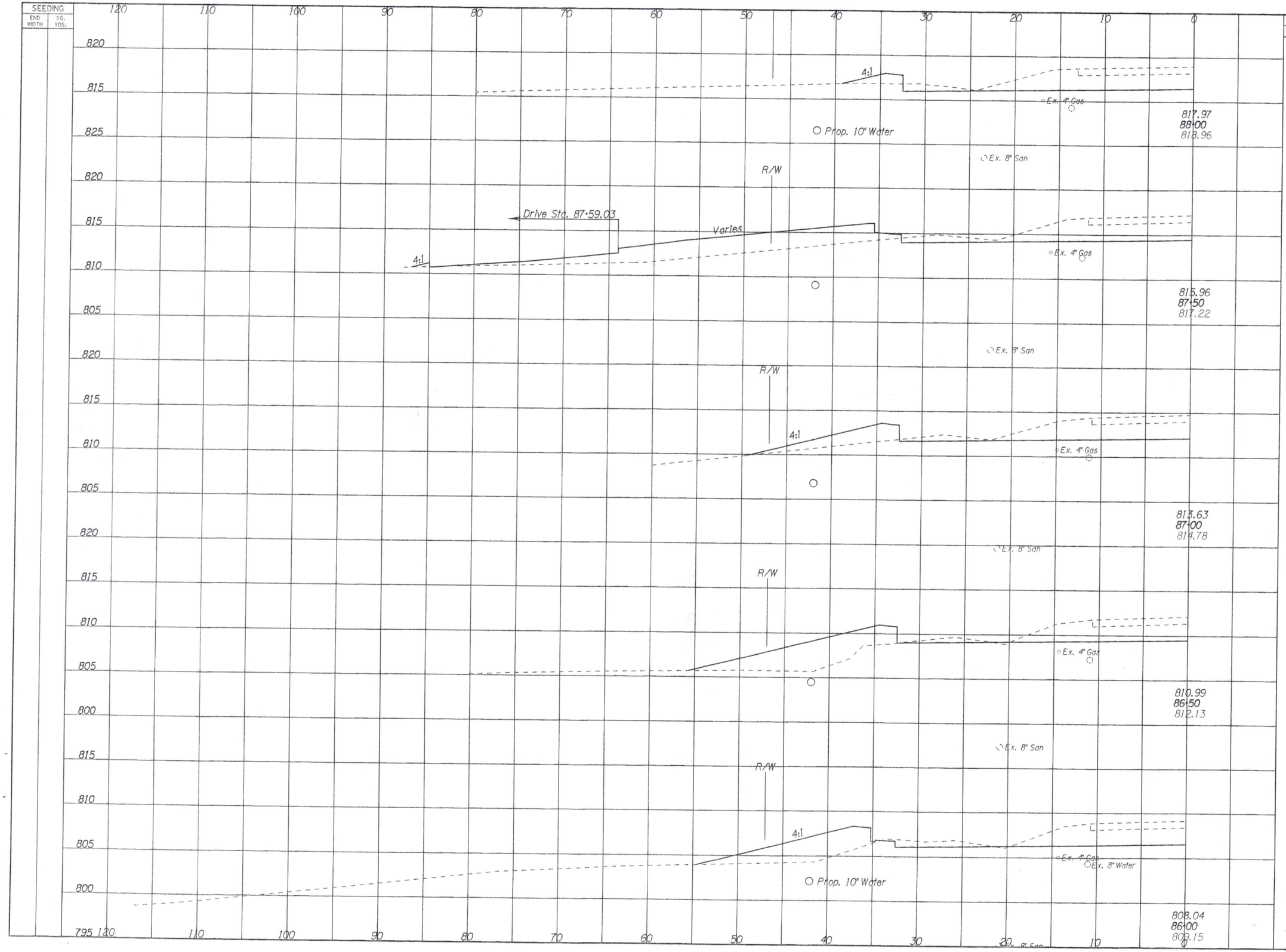
SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		133	31		
				249	44
		136	16		
				354	19
		246	4		
				387	9
		172	6		
				311	10
		164	5		
				353	13



SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB



CROSS SECTION SHEET
STA. 86+00 TO STA. 88+00, LT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.

817.97
88+00
818.96

Ex. Tel. Conduit
(4) Ducts

R/W

5 S.F.

4:1

4:1

815.96
87+50
817.22

R/W

22 S.F.

4:1

813.63
87+00
814.78

R/W

29 S.F.

4:1

Ex. Tel. Conduit
(16) Ducts

810.99
86+50
812.13

R/W

4:1

2:1

16 S.F.

TEMPORARY
PAVEMENT

Prop. 12" Storm

Ex. Tel. Conduit
(13) Ducts

808.04
86+00
809.15

0 10 20 30 40 50 60 70 80 90 100 110 120

795

	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
815	177	5		
825				
820			295	68
815	142	68		
810				
805			264	81
820				
815	143	19		
810				
805			294	56
820				
815				
810	175	41		
805				
800			312	70
815				
810	162	34		
805				
800			273	60

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 86+00 TO STA. 88+00, RT.

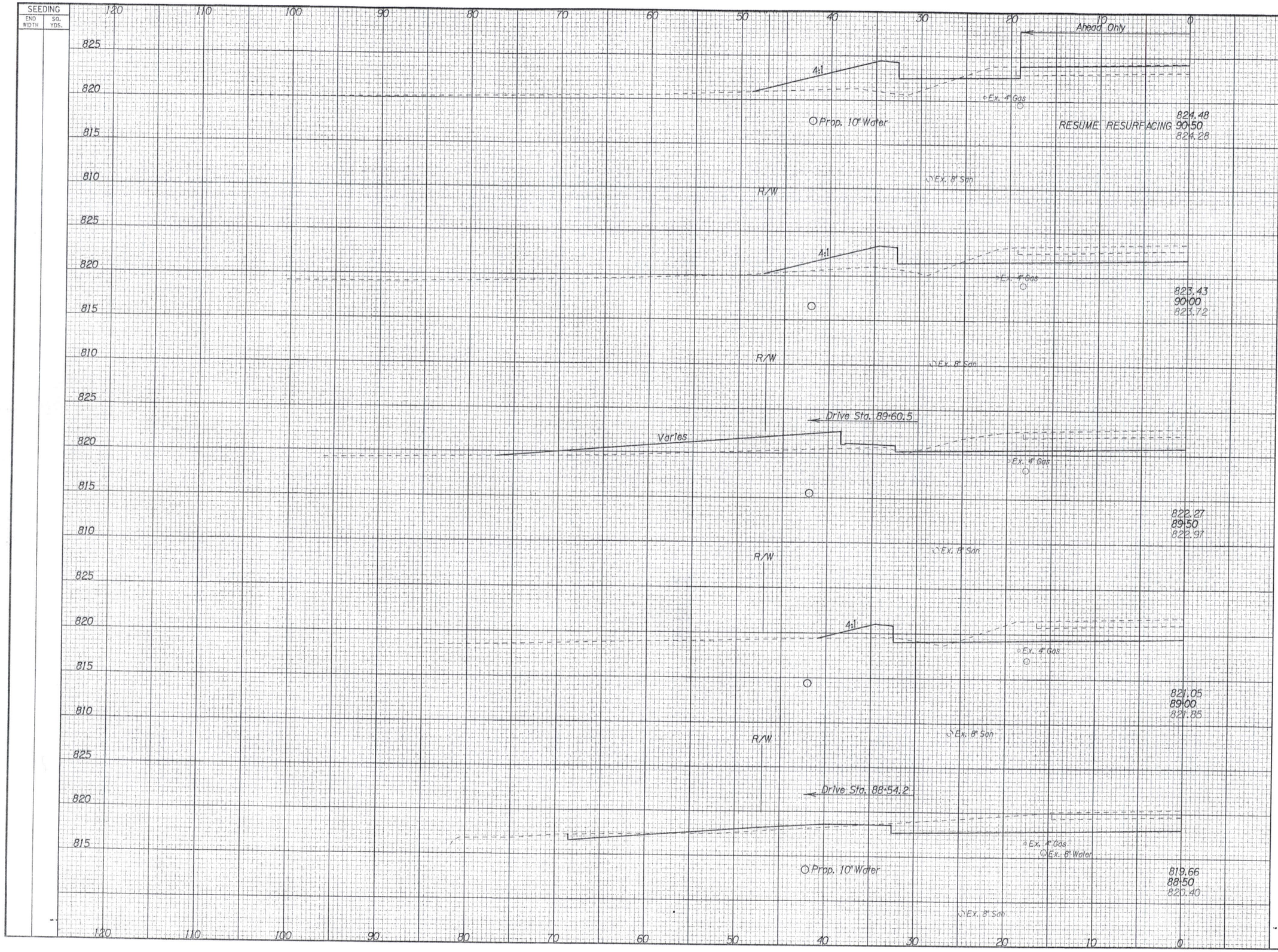
BUT-CR19-3.20

239
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

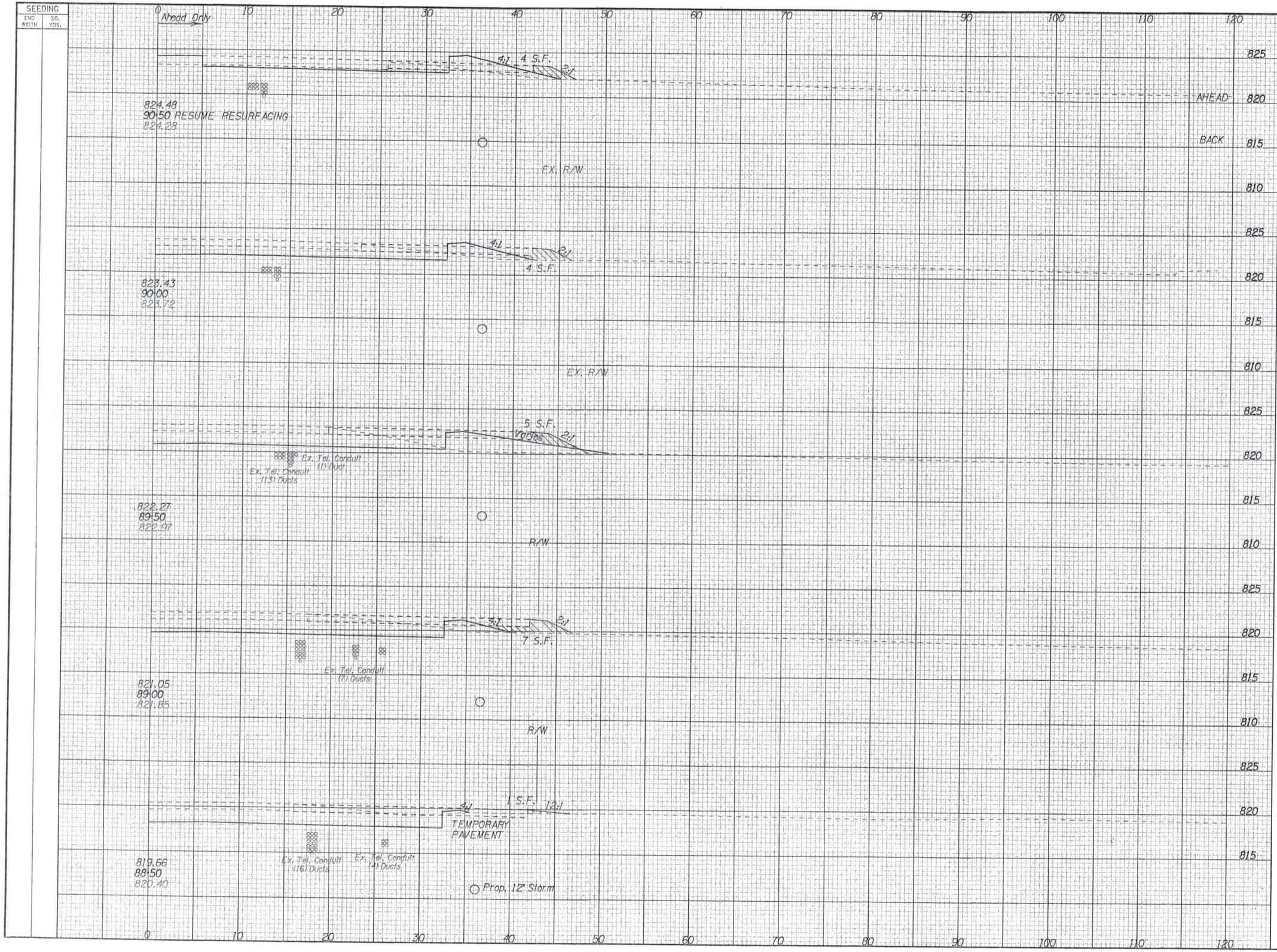
CALCULATED JMD
CHECKED GKB



CROSS SECTION SHEET
STA. 88+50 TO STA. 90+50, LT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
29	55		
40	36		
		121	65
91	34		
		190	93
114	66		
		213	74
116	14		
		227	19
129	7		
		283	11

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 88+50 TO STA. 90+50, RT.

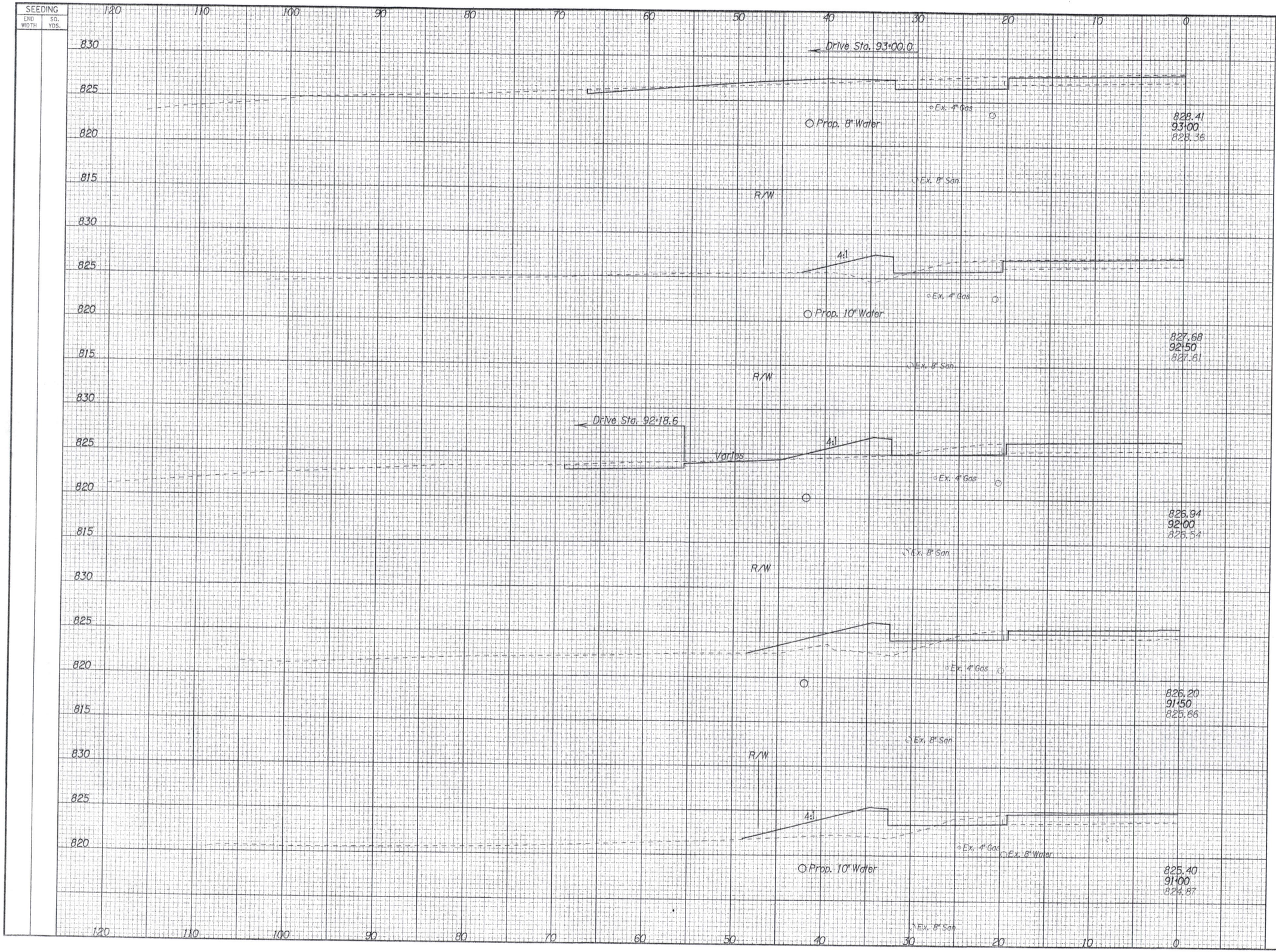
BUT-CR19-3.20

241
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB



CROSS SECTION SHEET
STA. 91+00 TO STA. 93+00, LT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL
36	32		
		46	45
14	17		
		39	34
28	20		
		53	74
29	60		
		54	106
29	55		
		54	102

828.41
93+00
828.36

Ex. Tel. Conduit
(13) Ducts

4:1
5:1
3:1

See Fountains Blvd. Eastbound Cross Sections

827.68
92+50
827.61

See Fountains Blvd. Westbound Cross Sections

Ex. Tel. Conduit
(6) Ducts

Ex. Tel. Conduit
(7) Ducts

3:1
3 S.F.

826.94
92+00
826.84

EX. R/W

4:1
5 S.F.
3:1

826.20
91+50
825.86

EX. R/W

4:1
3:1
TEMPORARY
PAVEMENT
4 S.F.

825.40
91+00
824.87

Ex. Tel. Conduit
(13) Ducts

Prop. 12" Storm

0 10 20 30 40 50 60 70 80 90 100 110 120

830 825 820 815 830 825 820 815 830 825 820 815 830 825 820

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 91+00 TO STA. 93+00, RT.

BUT-CR19-3.20

243
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED CKB

CROSS SECTION SHEET
STA. 93+50 TO STA. 95+50, LT.

R/W

20:1

Ex. 4" Gas

Prop. 8" Water

829.25
95+50
829.17

R/W

S.F.

3:1

TEMPORARY PAVEMENT AHEAD

Ex. 4" Gas

829.50
95+00
829.40

R/W

S.F.

3:1

Ex. 4" Gas

829.54
94+50
829.60

R/W

Drive Sta. 94+05.0

Ex. 4" Gas

829.37
94+00
829.39

R/W

20:1

Ex. 4" Gas

Prop. 8" Water

Ex. 8" Water

829.00
93+50
828.88

120 110 100 90 80 70 60 50 40 30 20 10 0

830 825 820 815 830 825 820 815 830 825 820 815 830 825 820

BUT-CR19-3.20

244
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL
58	11		
		97	32
47	24		
		108	41
70	20		
		131	32
71	15		
		119	37
58	25		
		87	53

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 93+50 TO STA. 95+50, RT.

BUT-CR19-3.20

245
608

0 10 20 30 40 50 60 70 80 90 100 110 120

EX. R/W

Drive Sta. 95+58.5

13:1 8 S.F. 12:1

829.25
95+50
829.17

EX. R/W

STA. 94+82
EXISTING SIGN
(DO NOT DISTRUB)

4:1 10:1 3.6:1
8 S.F.

829.50
95+00
829.40

Ex. Tel. Conduit
(15) Ducts

EX. R/W

4 S.F.
6:1

829.54
94+50
829.60

EX. R/W

5 S.F.
Varies

829.37
94+00
829.39

EX. R/W

4:1 10:1 1 S.F.
Varies

TEMPORARY
PAVEMENT

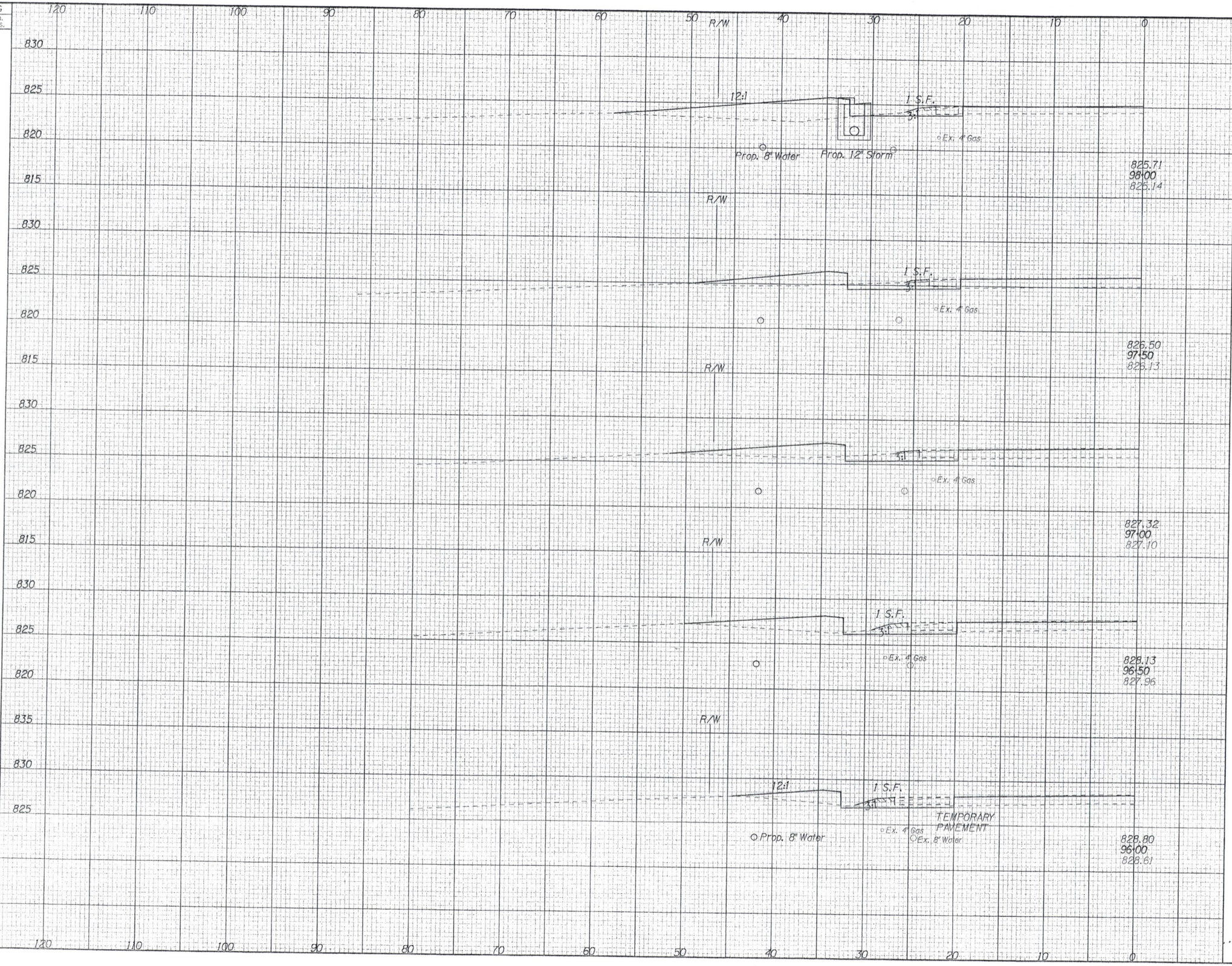
829.00
93+50
828.88

Ex. Tel. Conduit
(13) Ducts

830 825 820 835 830 825 820 815 830 825 820 815 830 825 820 815 830 825 820

0 10 20 30 40 50 60 70 80 90 100 110 120

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

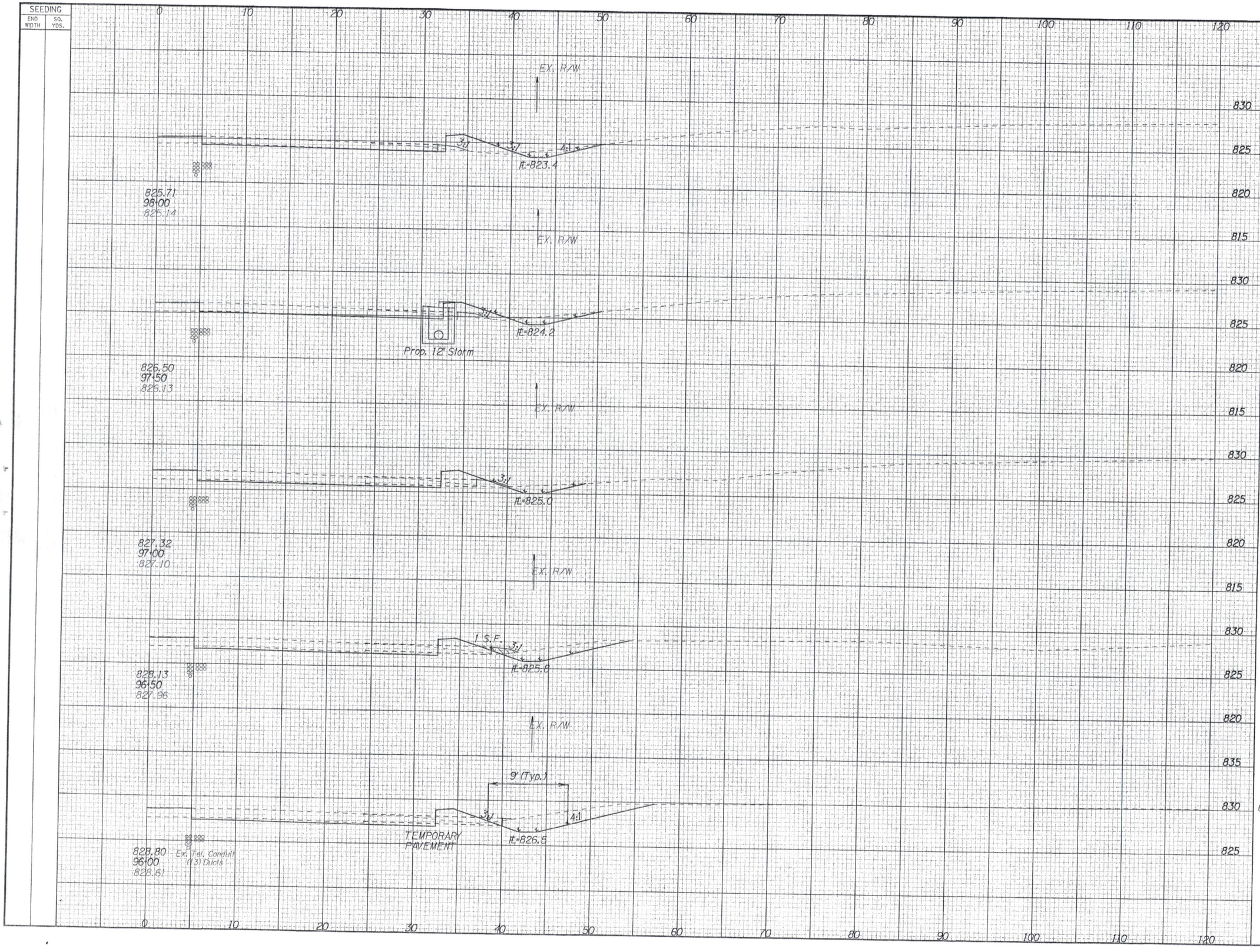
CHECKED GKB

CROSS SECTION SHEET

STA. 96+00 TO STA. 98+00, LT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
31	47		
		66	75
40	34		
		81	54
47	24		
		95	44
56	23		
		111	36
64	16		
		113	25

CALCULATED JMD

CHECKED GKB

CROSS SECTION SHEET
STA. 96+00 TO STA. 98+00, RT.

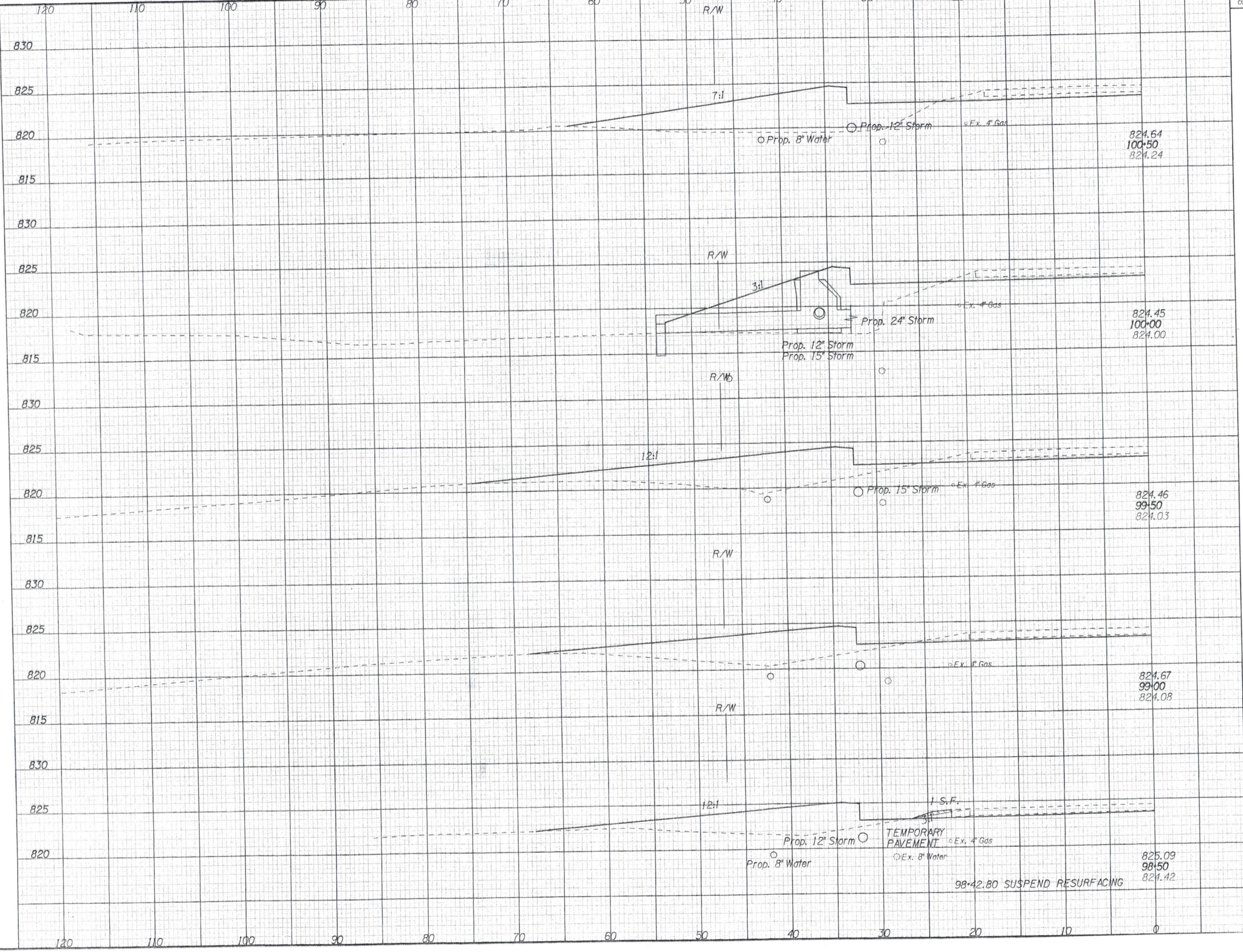
BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

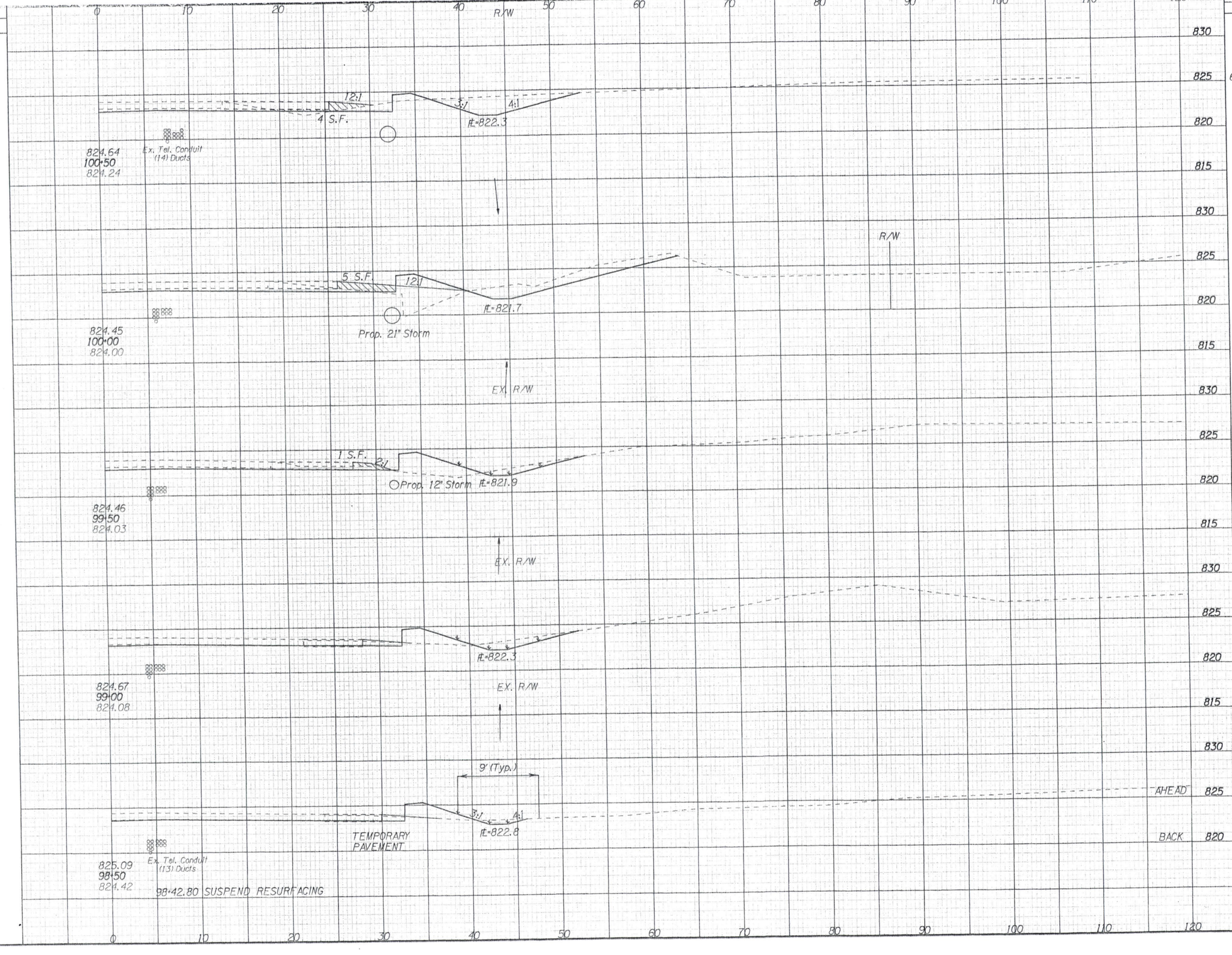
CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 98+50 TO STA. 100+50, LT.



BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
63	114		
		124	234
71	139		
		114	231
52	111		
		95	182
51	86		
		90	145
AHEAD 46	71		
BACK 31	47		
		57	87

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 98+50 TO STA. 100+50, RT.

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

120 110 100 90 80 70 60 50 40 30 20 10 0

R/W
3:1
Ex. 4" Gas
Prop. 8" Water
828.01
103+00
827.21

R/W
3:1
Ex. 4" Gas
827.21
102+50
826.55

R/W
8:1
Ex. 4" Gas
826.41
102+00
825.84

R/W
10:1
Ex. 4" Gas
825.64
101+50
825.02

R/W
12:1
Ex. 4" Gas
Prop. 8" Water
Prop. 12" Storm
825.04
101+00
824.48

830
825
820
815

CROSS SECTION SHEET
STA. 101+00 TO STA. 103+00, LT.

BUT-CR19-3.20

250
608

SEEDING	
END WIDTH	SQ. YDS.

0 10 20 30 40 50 60 70 80 90 100 110 120

828.01
103+00
827.21

12:1
2 S.F. 3:1
Prop. 21" Storm
EX. R/W

827.21
102+50
826.55

6:1
2 S.F. 3:1
R/W

826.41
102+00
825.84

6:1
2 S.F. 3:1
Ex. 18"
Ex. Tel. Conduit
(7) Ducts
R/W

825.64
101+50
825.02

1 S.F. 3:1
R/W

825.04
101+00
824.48

1 S.F. 3:1
3:1
3:1
TEMPORARY
PAVEMENT
℄=824.2
Ex. Tel. Conduit
(14) Ducts
Ex. 8" Water
Prop. 21" Storm

	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
830				
825	20	63		
820				
815			46	106
830				
825	30	51		
820				
815			62	136
830				
825	37	96		
820				
815			90	187
830				
825	60	106		
820				
815			89	198
830				
825	36	108		
820				
815			92	205

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET

STA. 101+00 TO STA. 103+00, RT.

BUT-CR19-3.20

251
608

SEEDING	
END WIDTH	SQ. YDS.

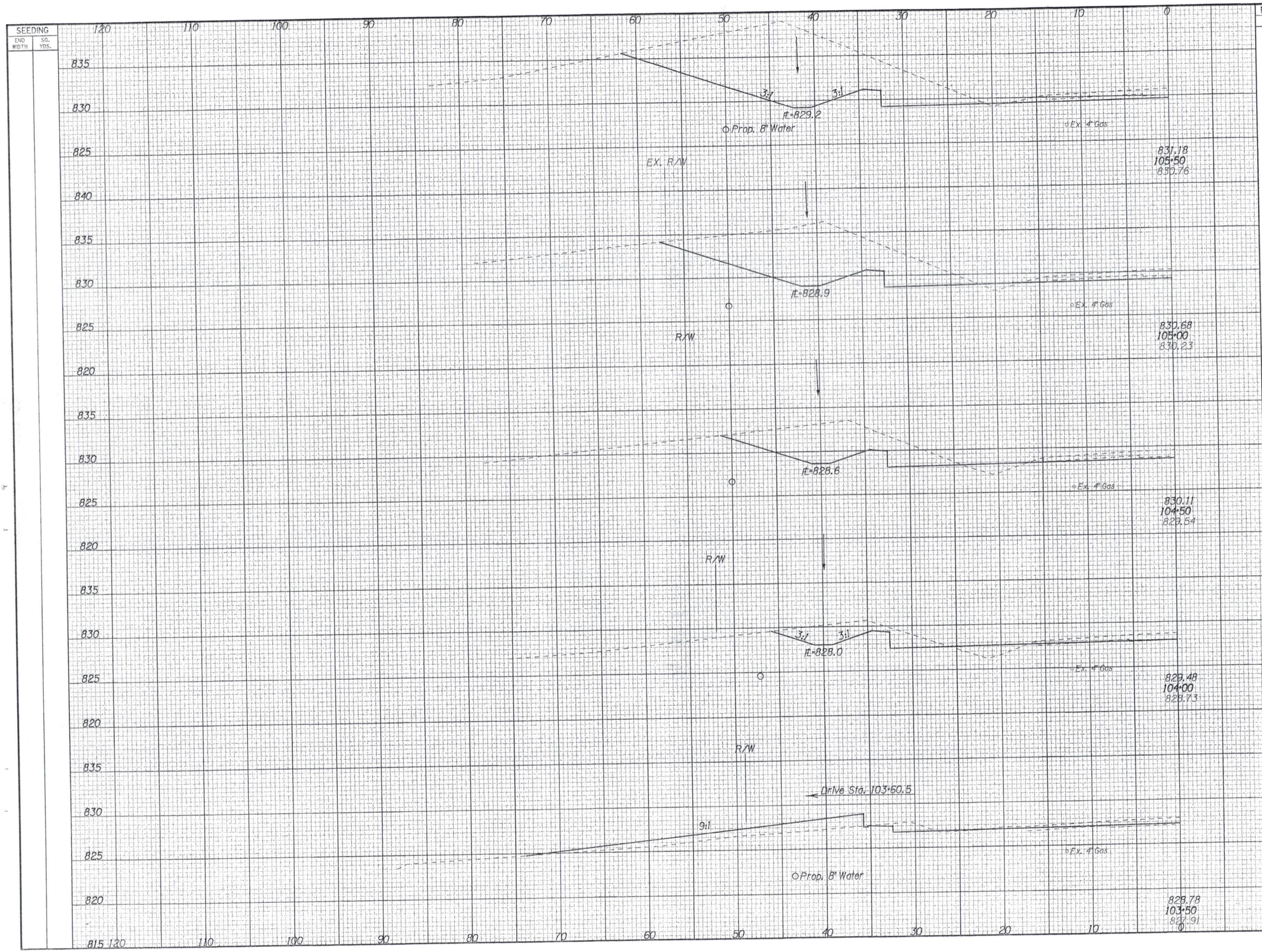
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

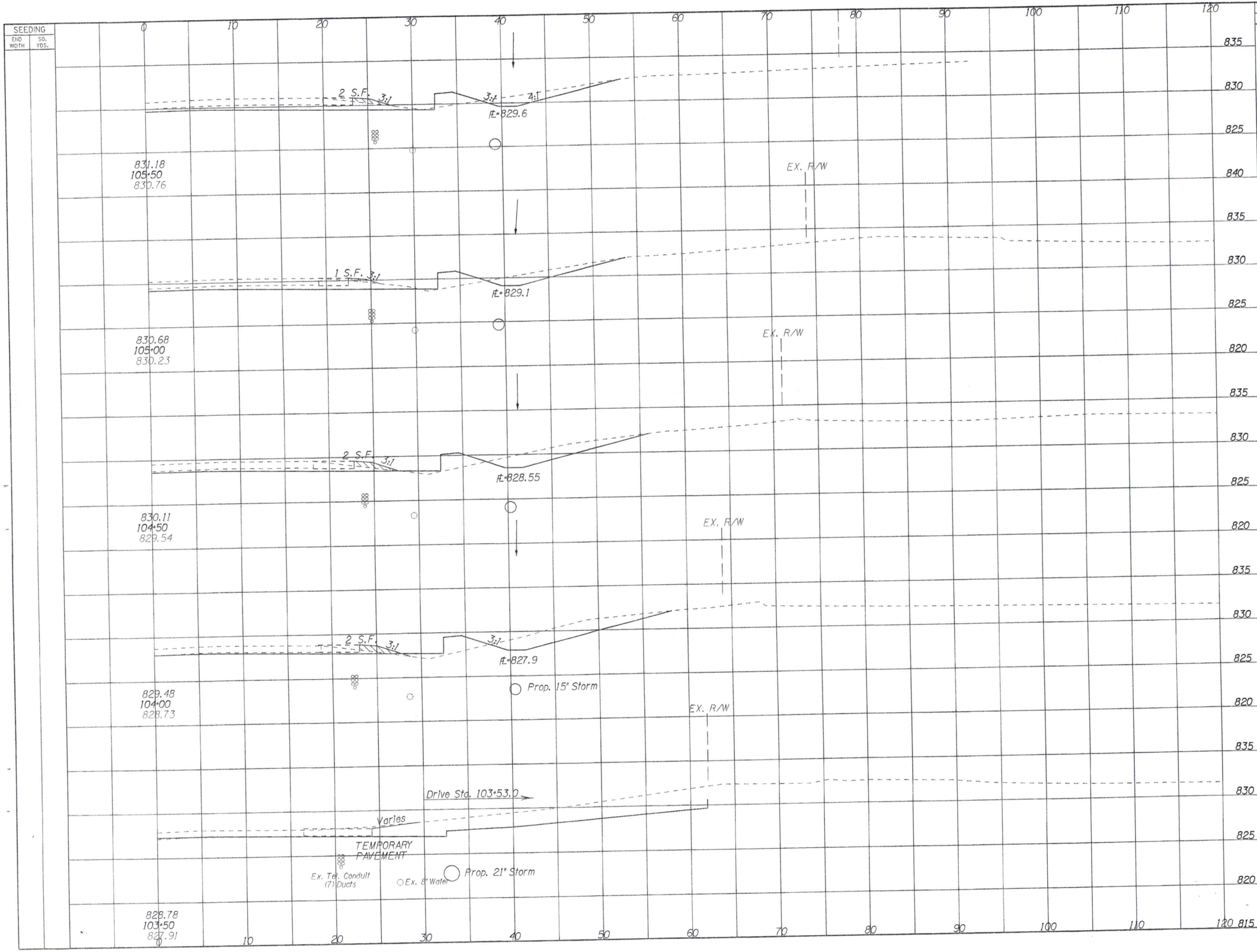
CROSS SECTION SHEET
STA. 103+50 TO STA. 105+50, LT.

BUT-CR19-3.20

252
608



SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
247	6		
		398	14
183	9		
		281	19
120	12		
		183	25
78	15		
		165	16
100	2		
		111	60

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET

STA. 103+50 TO STA. 105+50. RT.

BUT-CR19-3.20

253
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

120 110 100 90 80 70 60 50 40 30 20 10 0

845 840 835 830 850 845 840 835 830 825 845 840 835 830 825 845 840 835 830 825

EX. R/W

3:1 3:1 ℄=830.4 ⊙Prop. 8" Water ◁Ex. 2" Gas

832.53
107+50
832.25

EX. R/W

℄=830.1 Prop. 12" Storm ◁Ex. 2" Gas

832.30
107+00
832.05

EX. R/W

℄=829.8 ◁Ex. 4" Gas

831.99
106+50
831.67

EX. R/W

3:1 3:1 ℄=829.5 ⊙Prop. 8" Water ◁Ex. 4" Gas

831.62
106+00
831.25

120 110 100 90 80 70 60 50 40 30 20 10 0

CROSS SECTION SHEET
STA. 106+00 TO STA. 107+50, LT.

BUT-CR19-3.20

254
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL
692	0		
556	2	1156	2
515	2	992	4
410	0	856	2
		608	6

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 106+00 TO STA. 107+50, RT.

BUT-CR19-3.20

255
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET

STA. 108+00 TO STA. 109+50, LT.

BUT-CR19-3.20

256
608

120 110 100 90 80 70 60 50 40 30 20 10 0

845
840
835
830
850
845
840
835
830
850
845
840
835
830

EX. R/W

3:1 3:1

℄=831.0

Prop. 8" Water

Ex. 2" Gas

832.83
109+50
832.44

EX. R/W

℄=831.3

Ex. 2" Gas

832.85
109+00
832.45

EX. R/W

℄=831.0

Ex. 2" Gas

832.81
108+50
832.48

3:1 3:1

℄=830.7

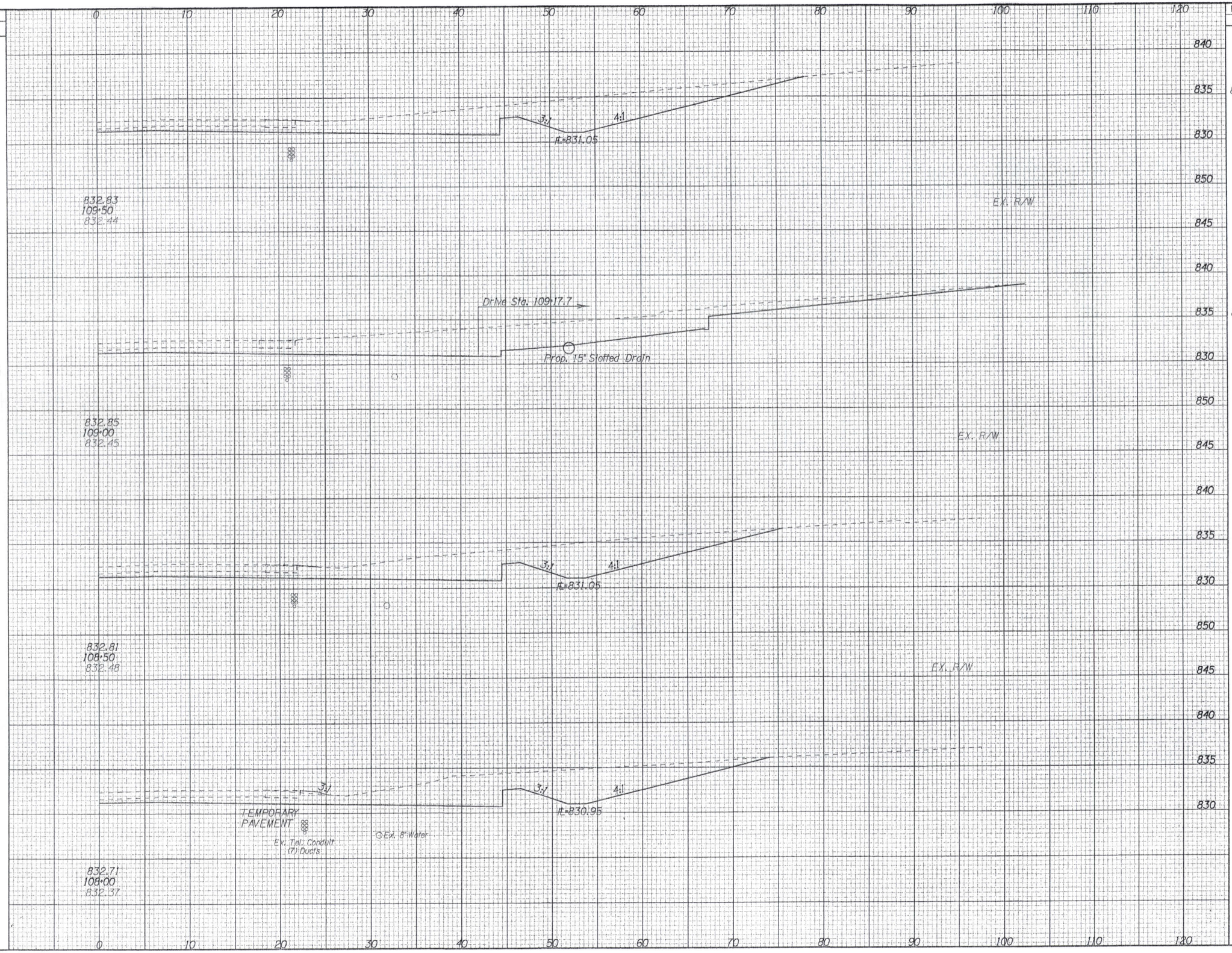
Prop. 8" Water

Ex. 2" Gas

832.71
108+00
832.37

120 110 100 90 80 70 60 50 40 30 20 10 0

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
800	0		
		1558	0
883	0		
		1602	0
847	0		
		1508	0
782	0		
		1365	0

CALCULATED: JMD
CHECKED: GKB

CROSS SECTION SHEET
STA. 108+00 TO STA. 109+50, RT.

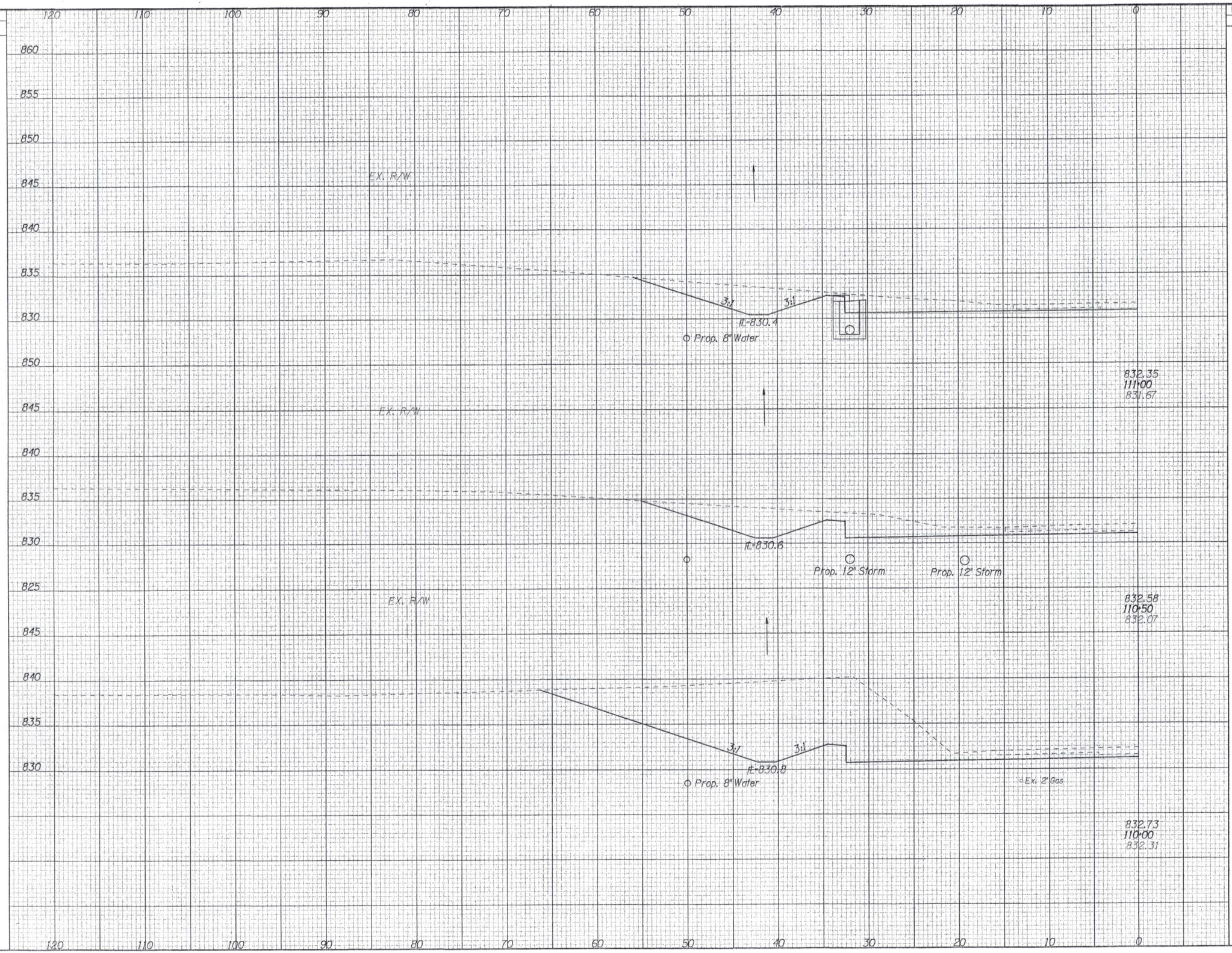
BUT-CR19-3.20

257
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

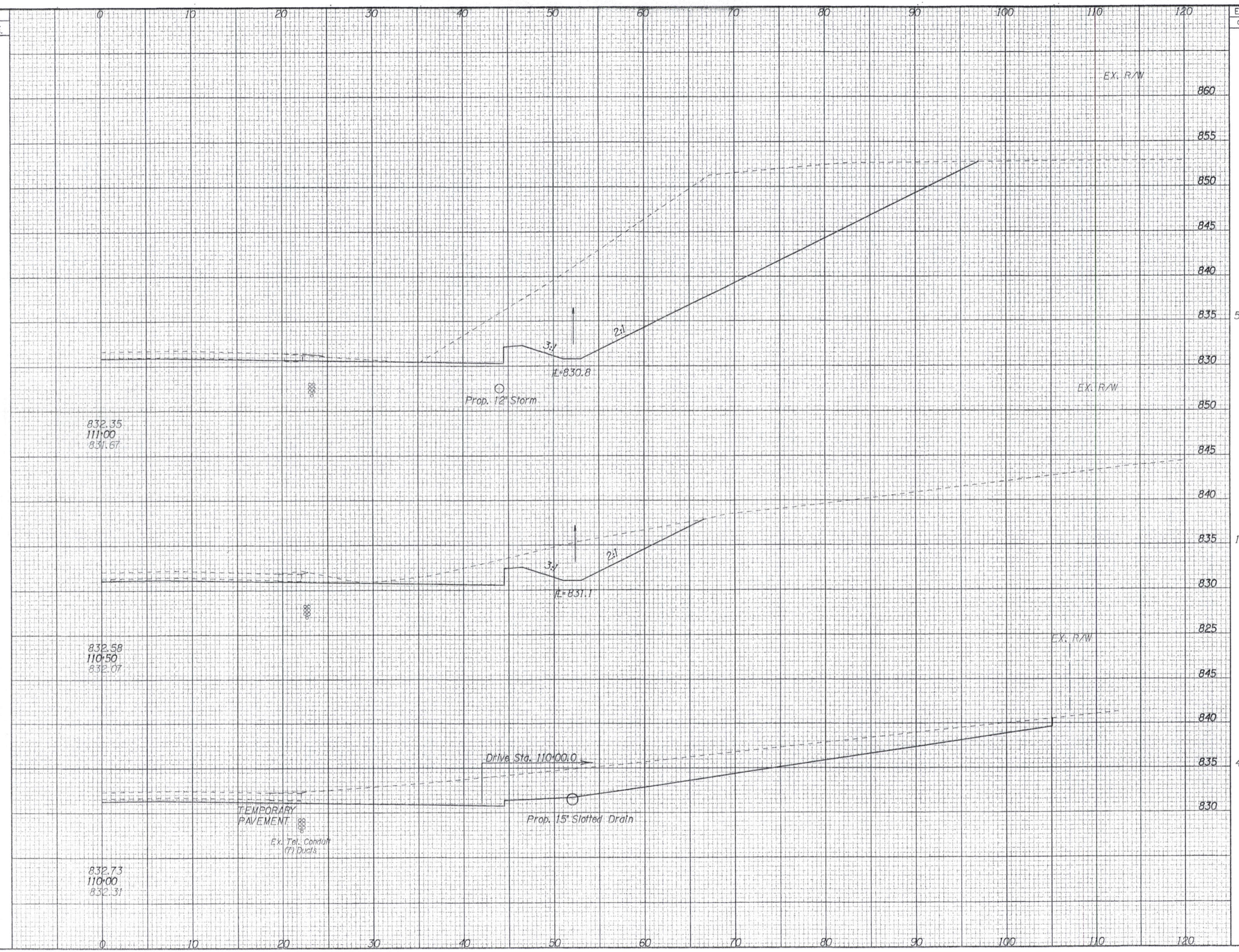


CROSS SECTION SHEET
STA. 110+00 TO STA. 111+00, LT.

BUT-CR19-3.20

258
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
569	0		
		697	0
184	0		
		614	0
479	0		
		1184	0

CALCULATED JMD
DRAWN GKB

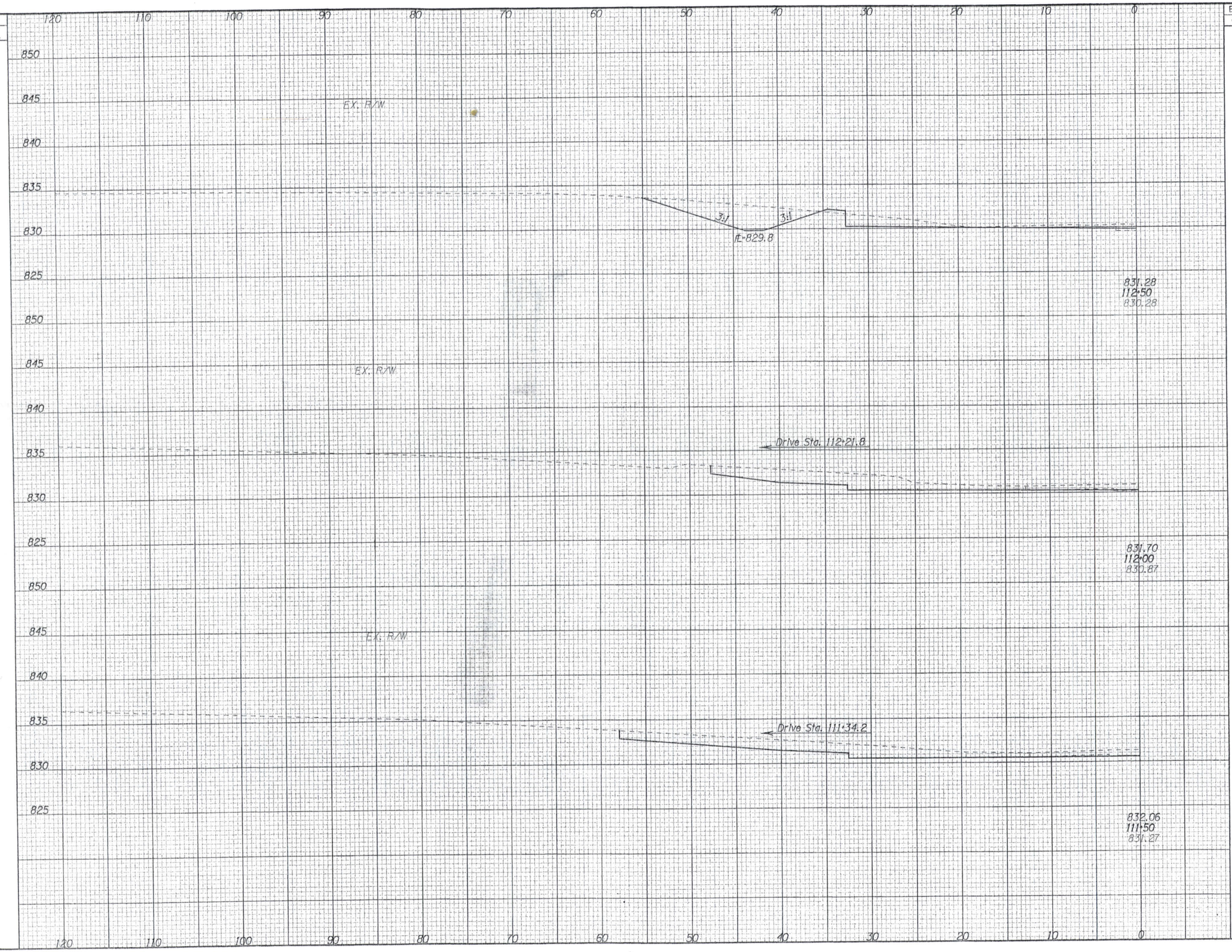
CROSS SECTION SHEET

STA. 110+00 TO STA. 111+00, RT.

BUT-CR19-3.20

259
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

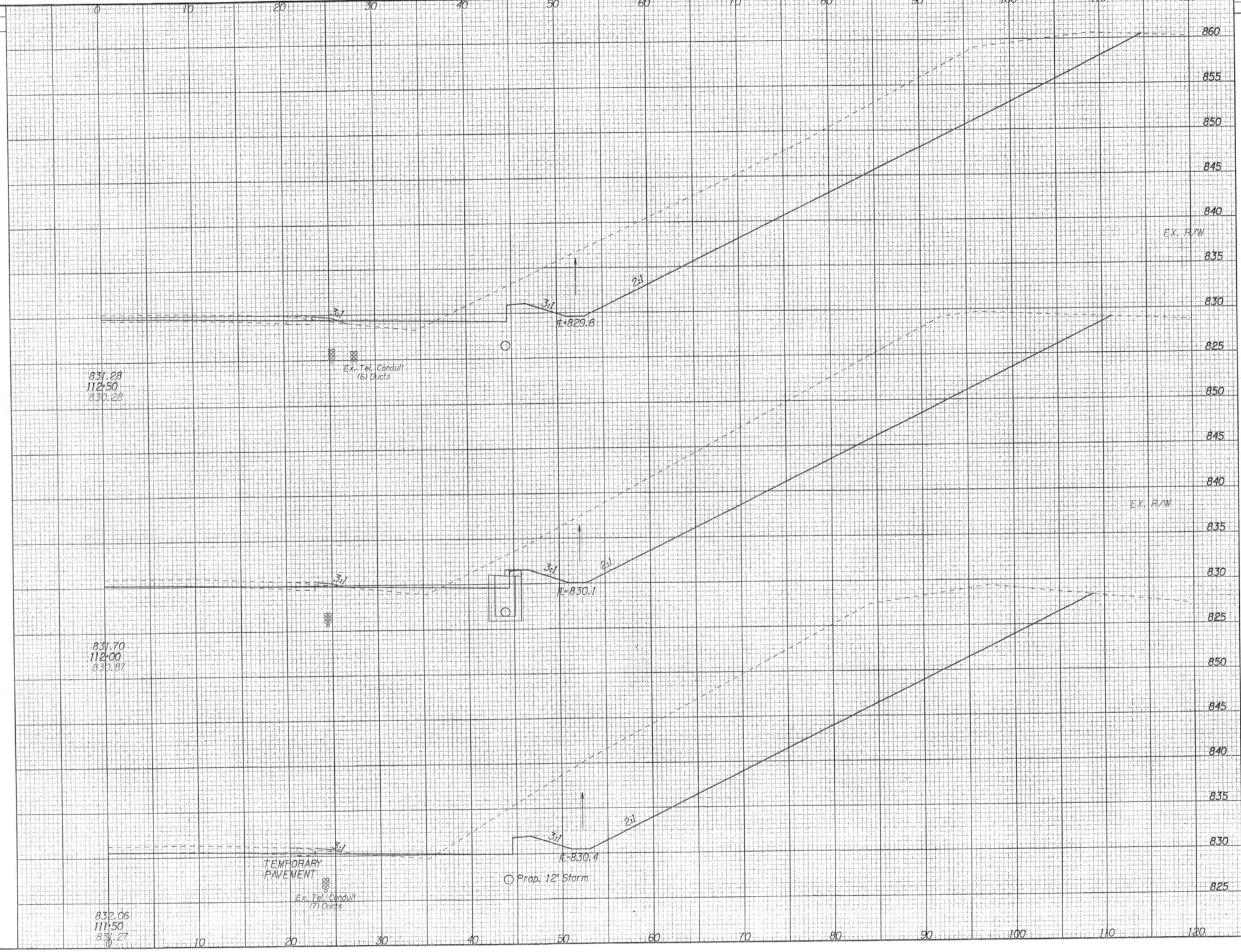
CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 111+50 TO STA. 112+50, LT.

BUT-CR19-3.20

260
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
516	7		
552	4	989	10
644	2	1107	6
		1123	2

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 111+50 TO STA. 112+50, RT.

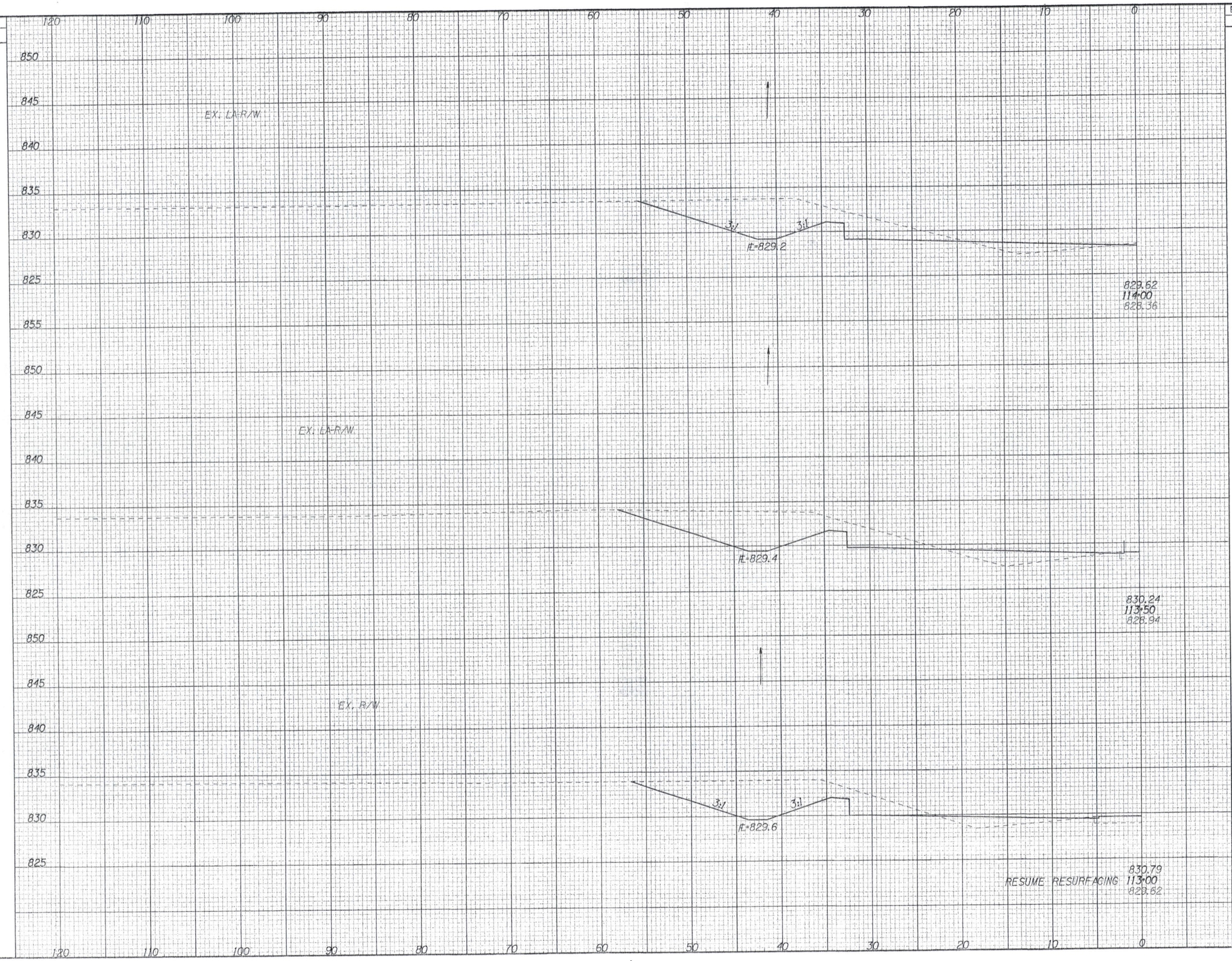
BUT-CR19-3.20

261
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB



CROSS SECTION SHEET
STA. 113+00 TO STA. 114+00, LT.

BUT-CR19-3.20

262
608

SEEDING	
END WIDTH	SQ. YDS.

	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
	573	12		
			1014	30
	522	20		
			983	34
AHEAD	540	17		
BACK	516	7		
			956	13

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET

STA. 113+00 TO STA. 114+00, RT.

BUT-CR19-3.20

263
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED GKB

See Ramp C Cross Sections

827.49
115+50
826.08

3:1
3:1
℄=827.9

828.21
115+00
826.76

3:1
3:1
℄=828.8

828.93
114+50
827.58

120 110 100 90 80 70 60 50 40 30 20 10 0

830 825 820 815 810 840 835 830 825 888 850 845 840 835 830 825 820

CROSS SECTION SHEET

STA. 114+50 TO STA. 115+50, LT.

BUT-CR19-3.20

264
608

SEEDING	
END WIDTH	SQ. YDS.

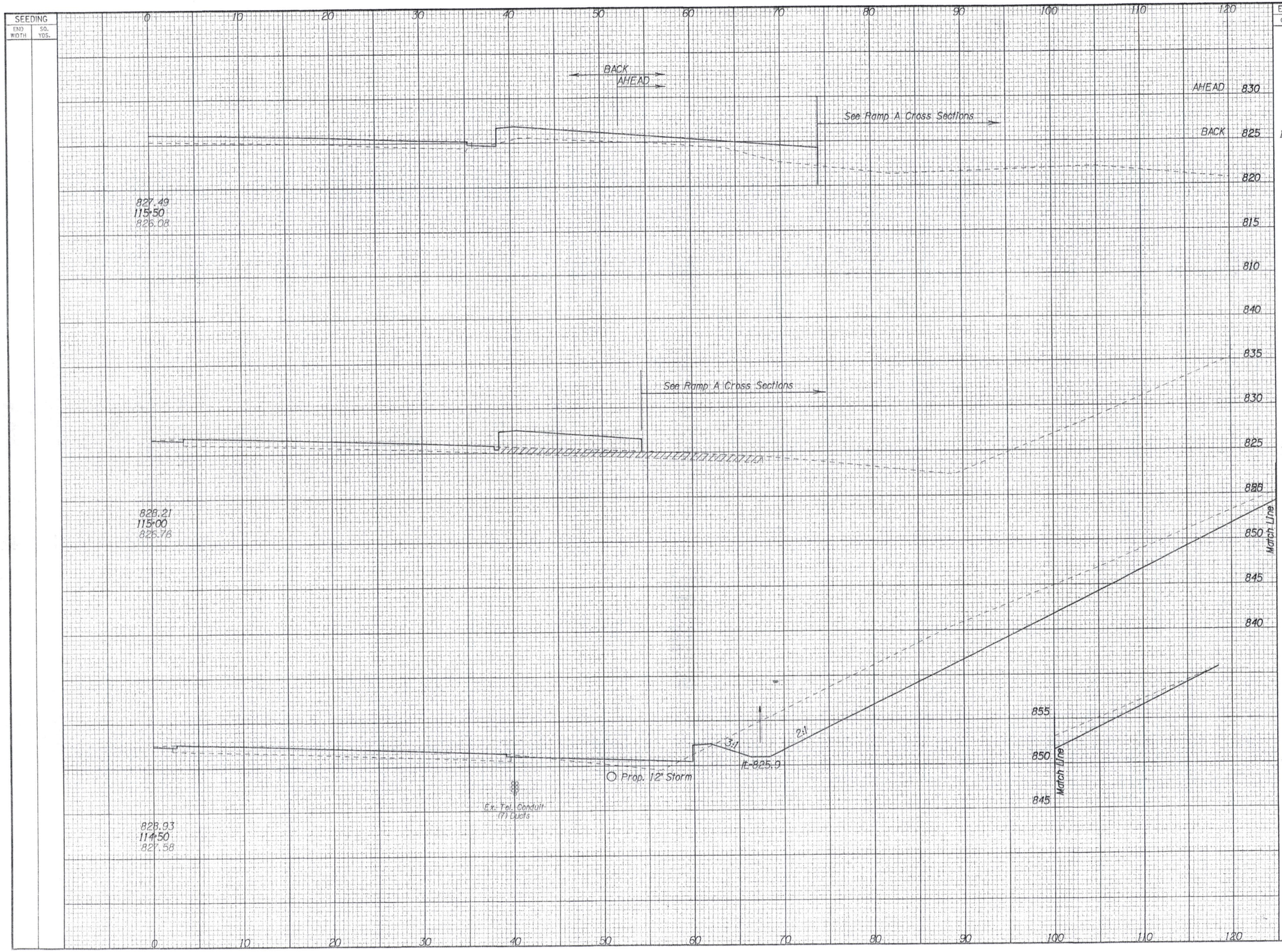
		END AREA		VOLUME	
		CUT	FILL	CUT	FILL
AHEAD	830	0	26		
BACK	825	17	90		
	820				
	815				
	810			173	135
	840				
	835				
	830				
	825	170	56		
	820				
	850			456	69
	845				
	840				
	855				
	850	322	18		
	845				
				829	28

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 114+50 TO STA. 115+50, RT.

BUT-CR19-3.20

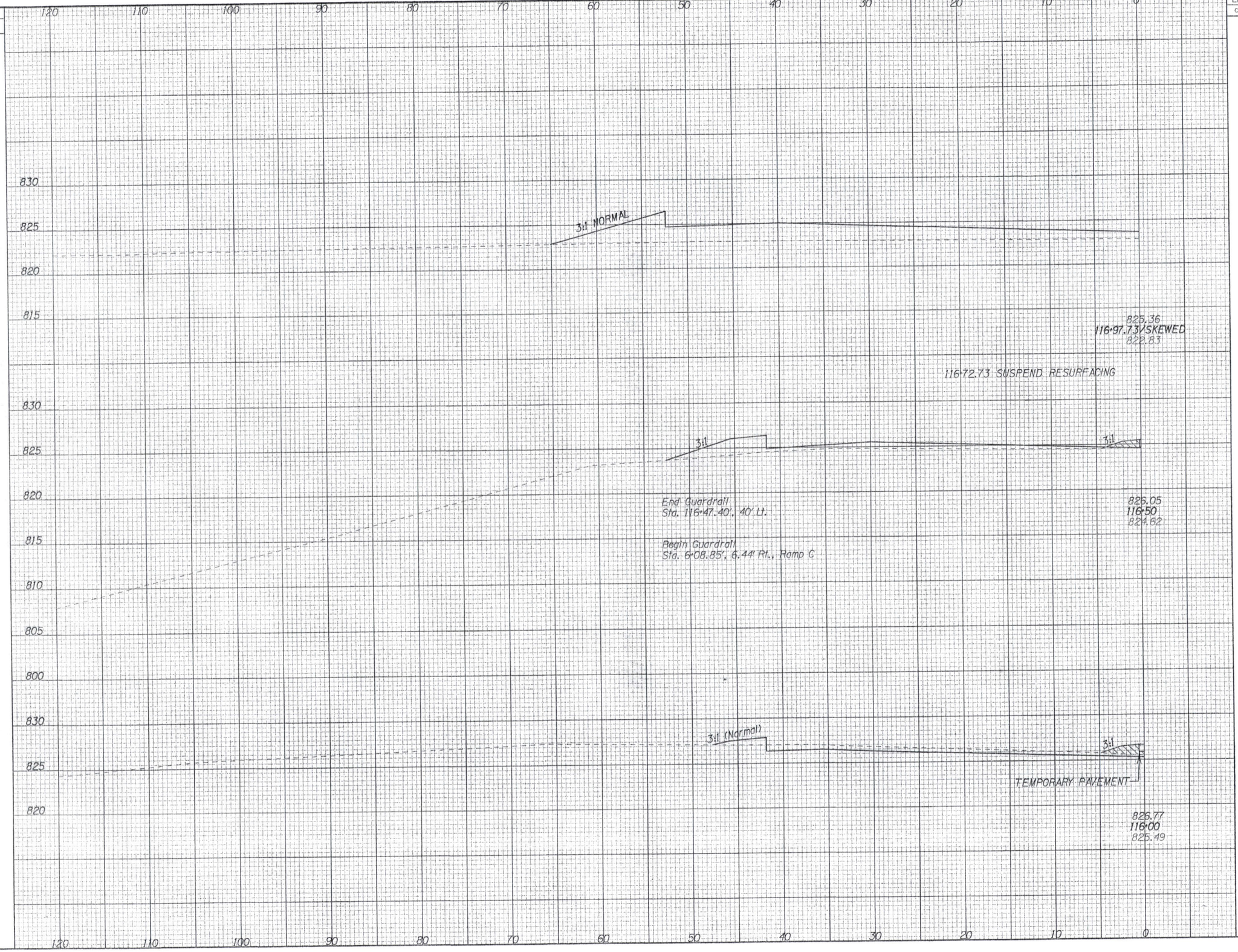
265
608



SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB



CROSS SECTION SHEET
STA. 116+00 TO STA. 116+72, LT.

BUT-CR19-3.20

266
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL
44	86		
5	37	43	109
20	15	23	48
		19	38

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET

STA. 116+00 TO STA. 116+72, RT.

BUT-CR19-3.20

267
608

0 10 20 30 40 50 60 70 80 90 100 110 120

830 825 820 815 810 805 800 830 825 820 815 820

BACK ONLY

3:1 NORMAL

3:1

End Guardrail
Sta. 117+03.53', 40' Rt.

825.36
116+97.73 SKEWED
822.83

Begin Guardrail
Sta. 0+52.86', 24' Lt. Ramp B

116+72.73 SUSPEND RESURFACING

2 S.F.

3:1 3:1

826.05
116+50
824.62

Ex. Tel. Conduit
(7) Ducts

See Ramp B Cross Sections

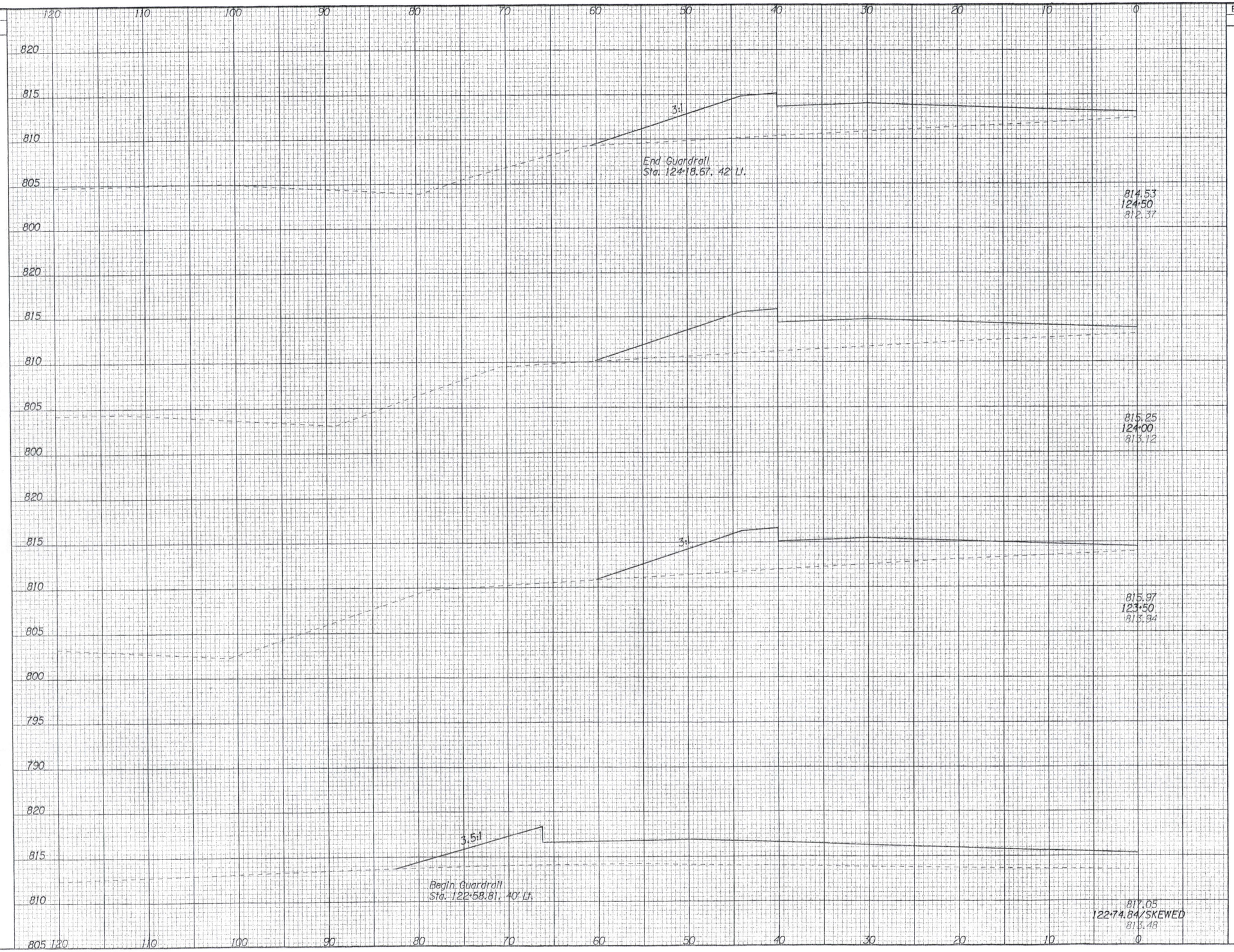
3:1 3:1 (Normal)

4 S.F.

TEMPORARY PAVEMENT

826.77
116+00
825.49

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED: JMD
CHECKED: GKB

CROSS SECTION SHEET

STA. 123+01 TO STA. 124+50, LT.

BUT-CR19-3.20

268
608

SEEDING	
END WIDTH	SQ. YDS.

814.53
124+50
812.37

815.25
124+00
813.12

815.97
123+50
813.94

817.05
122+74.84/SKEWED AHEAD ONLY
813.48

3:1

3:1

3:1

3.5:1

Prop. 15" Storm

Begin Guardrail
Sta. 123+51.57, 40' Rt.

Ex. Tel. Conduit
(7) Duct's

AHEAD ONLY

END AREA		VOLUME	
CUT	FILL	CUT	FILL
20	174		
		37	316
20	167		
		37	311
20	169		
		71	611
31	270		

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 123+01 TO STA. 124+50, RT.

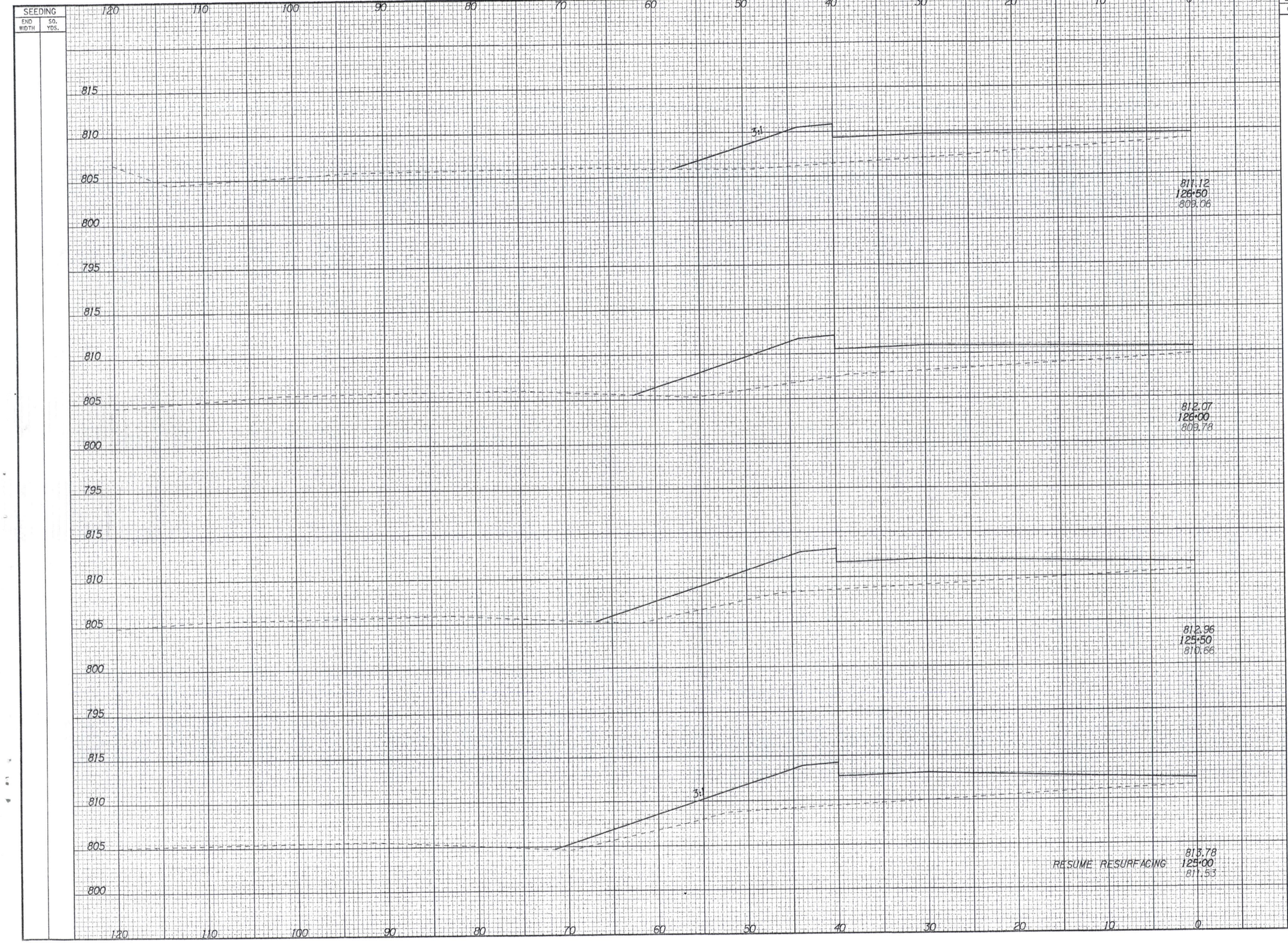
BUT-CR19-3.20

269
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB



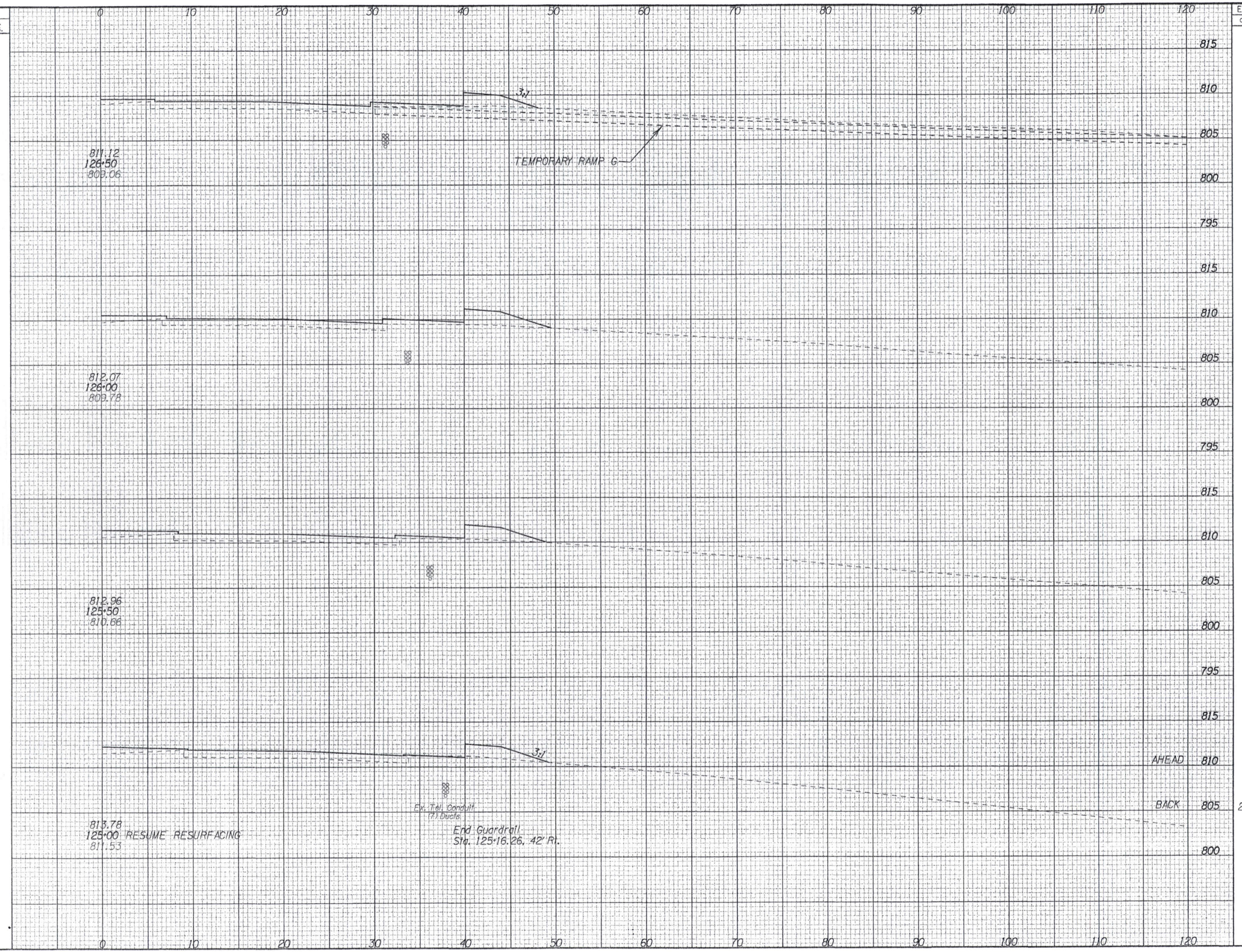
CROSS SECTION SHEET

STA. 125+00 TO STA. 126+50, LT.

BUT-CR19-3.20

270
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
1	138		
		2	286
1	171		
		1	320
0	175		
		0	327
0	178		
20	174		
		37	322

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 125+00 TO STA. 126+50, RT.

BUT-CR19-3.20

271
608

SEEDING	
END WIDTH	SQ. YDS.

120 110 100 90 80 70 60 50 40 30 20 10 0

810
805
800
795
790
810
805
800
795
815
810
805
800
795
790
810
805
800

See Ramp E Cross Sections

See Ramp F Cross Sections

See Ramp F Cross Sections

TEMPORARY RAMP E

3:1 (Normal)

808.64
128+50
806.14

807.86
128+00
806.14

809.01
127+50
807.27

810.10
127+00
808.43

120 110 100 90 80 70 60 50 40 30 20 10 0

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

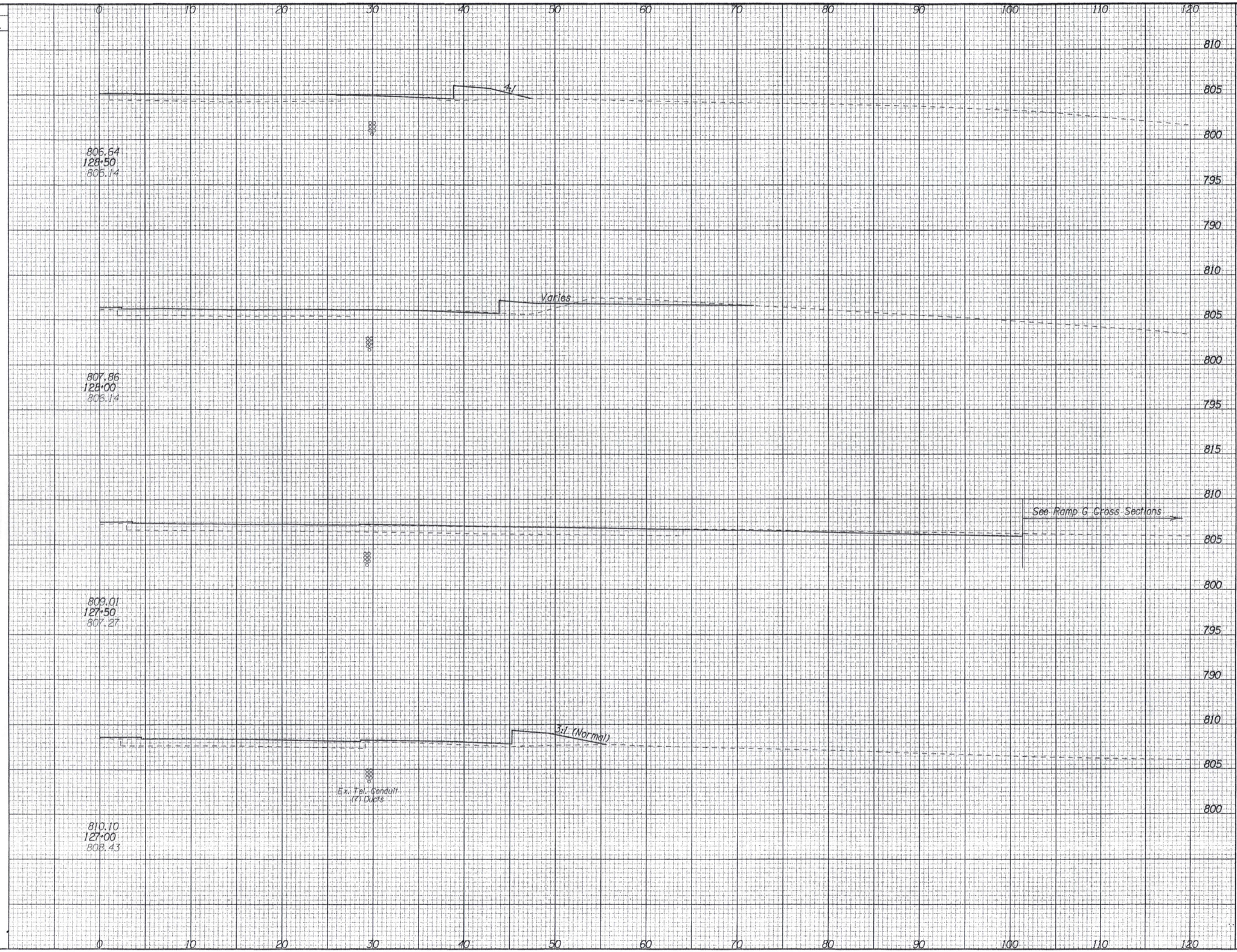
CROSS SECTION SHEET

STA. 127+00 TO STA. 128+50, LT.

BUT-CR19-3.20

272
608

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
12	47		
		23	100
13	61		
		20	119
9	67		
		8	134
0	78		
		1	200

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 127+00 TO STA. 128+50, RT.

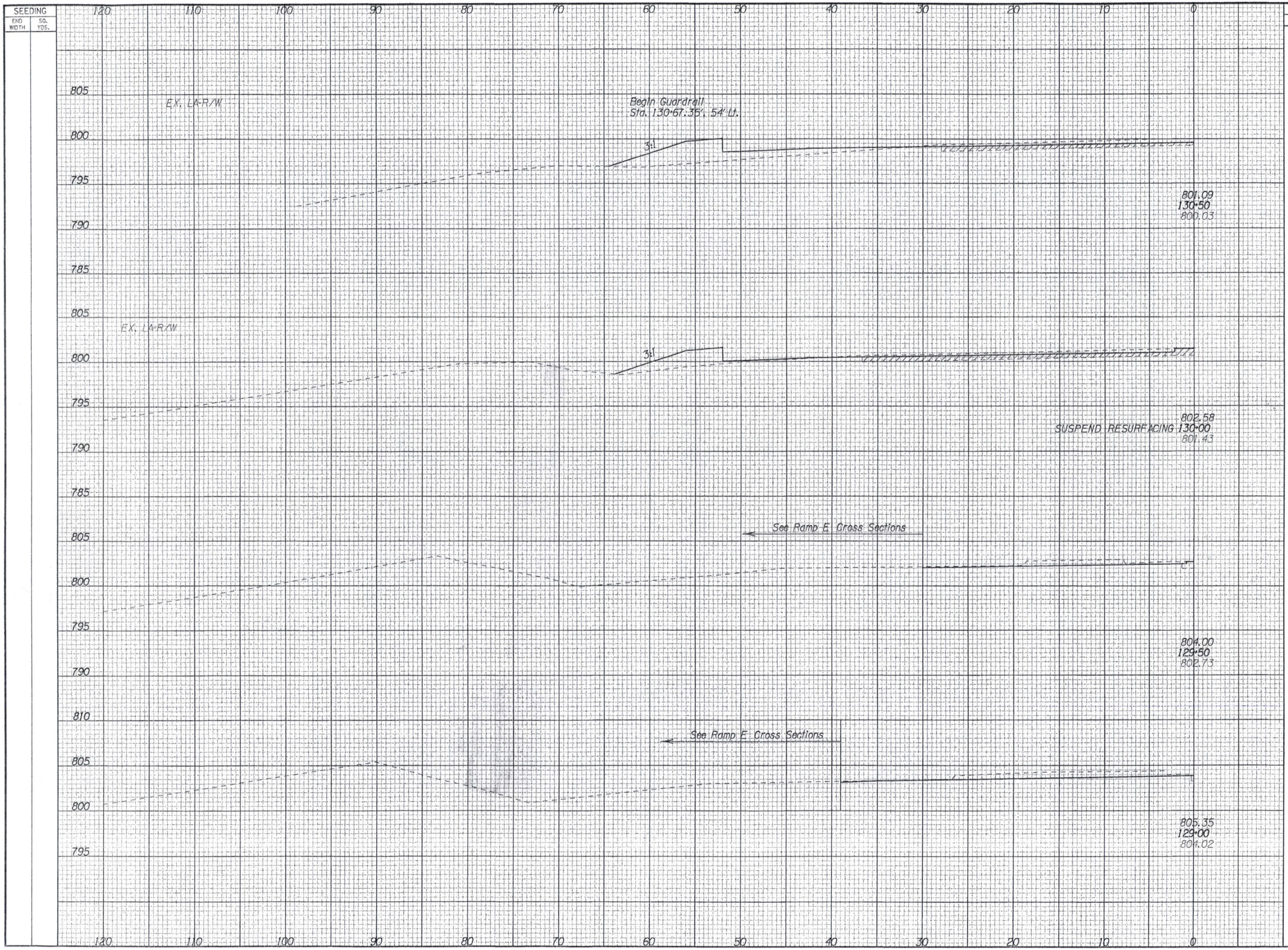
BUT-CR19-3.20

273
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB



CROSS SECTION SHEET

STA. 129+00 TO STA. 130+50, LT.

BUT-CR19-3.20

274
608

SEEDING	
END WIDTH	SQ. YDS.

0 10 20 30 40 50 60 70 80 90 100 110 120

805
800
795
790
785
805
800
795
790
785
805
800
795
790
810
805
800
795

Drive Sta. 130+30.5
EX. R/W
Ex. 4" Gas
801.09
130+50
800.03
EX. R/W
Varies
Ex. 4" Gas
AHEAD
BACK
802.58
130+00 SUSPEND RESURFACING
801.43
Varies
804.00
129+50
802.73
4:1
805.35
129+00
804.02
Ex. Tel. Conduit
(7) Ducts

END AREA		VOLUME	
CUT	FILL	CUT	FILL
58	52		
		99	100
49	56		
14	20		
		23	24
11	6		
		27	10
18	5		
		28	48

CALCULATED JMD
CHECKED GKR

CROSS SECTION SHEET
STA. 129+00 TO STA. 130+50, RT.

BUT-CR19-3.20

275
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED GKB

CROSS SECTION SHEET

STA. 131+00 TO STA. 132+50, LT.

LA-R/W

2:1

Ex. 8" San

794.48
132+50
793.54

LA-R/W

2:1

Ex. 8" San

796.24
132+00
795.28

131+90 RESUME RESURFACING

LA-R/W

2:1

797.92
131+50
796.96

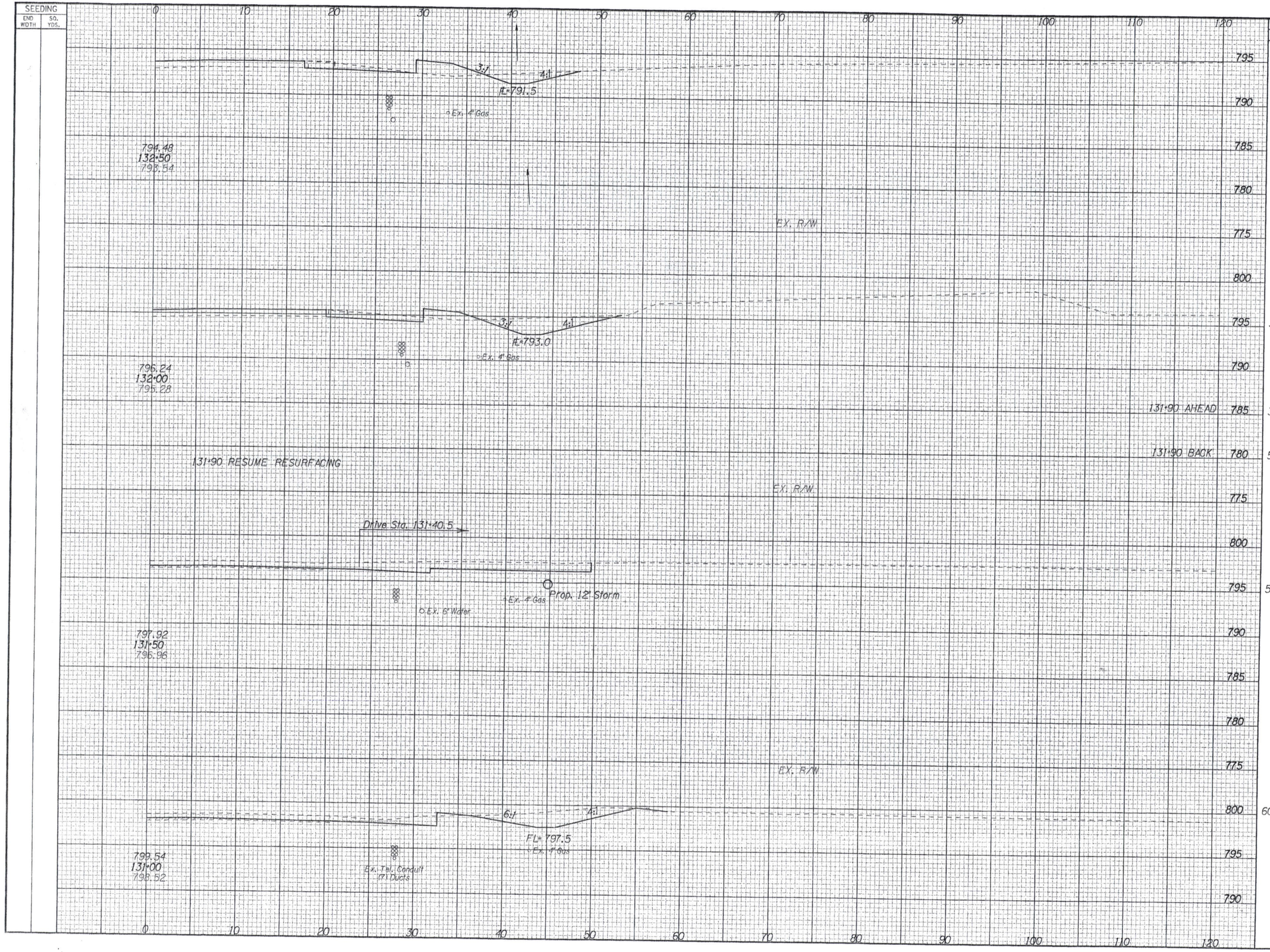
LA-R/W

3:1

799.54
131+00
798.52

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
20	240		
		52	401
36	193		
		13	71
36	193		
58	131		
		86	194
58	131		
		109	193
60	77		
		109	119

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 131+00 TO STA. 132+50, RT.

BUT-CR19-3.20

277
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED GKB

CROSS SECTION SHEET

STA. 133+00 TO STA. 134+50, LT.

120 110 100 90 80 70 60 50 40 30 20 10 0

790
785
780
775
770
765

R/W
3:1
Ex. 8" San
787.30
134+50
786.32

780
785
780
775
770

LA-R/W
2:1
Ex. 8" San
789.04
134+00
788.21

765
785
780
775

LA-R/W
2:1
Ex. 8" San
790.78
133+50
790.00

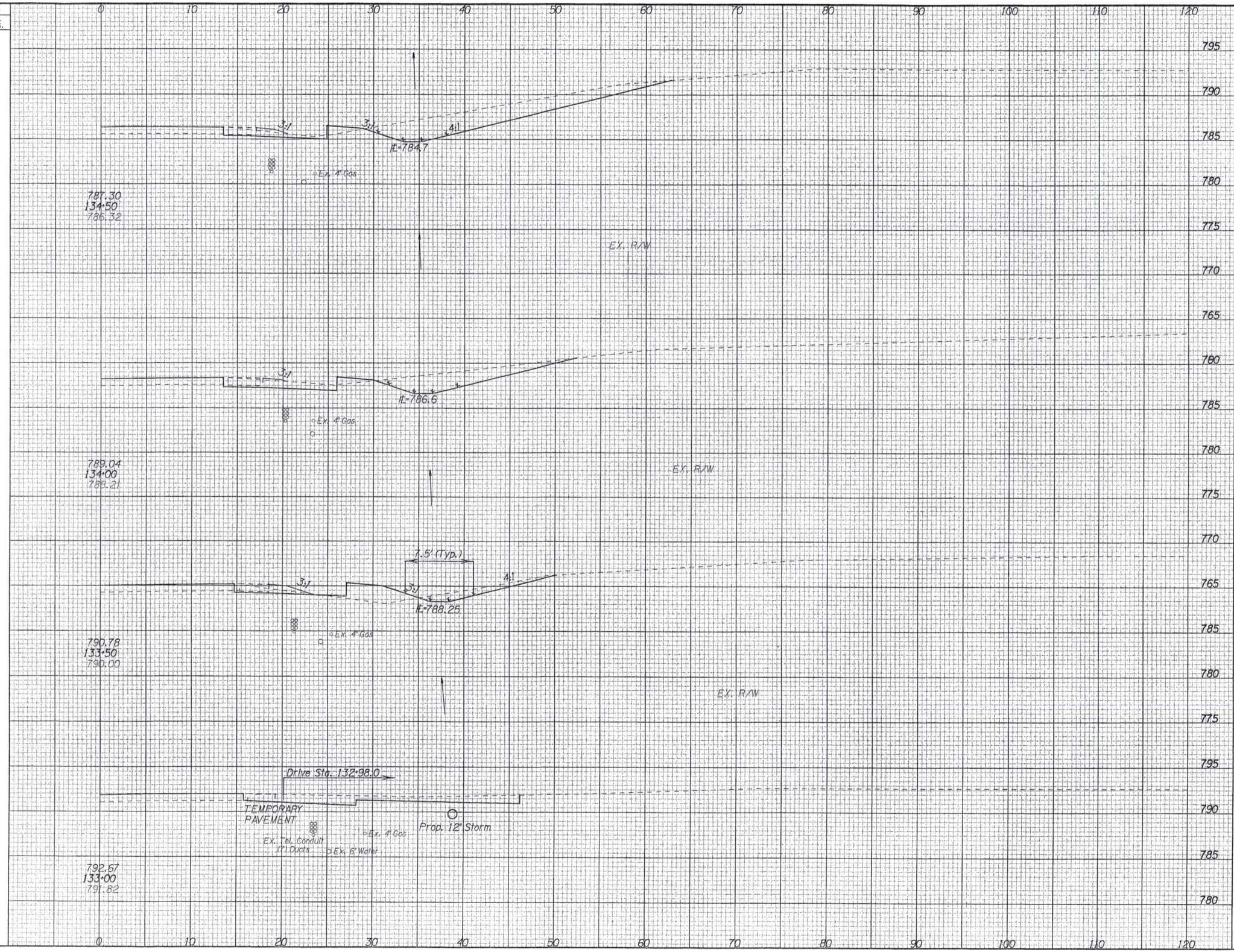
795
790
785
780

LA-R/W
2:1
Ex. 8" San
792.67
133+00
791.82

120 110 100 90 80 70 60 50 40 30 20 10 0

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
61	68		
		94	223
40	173		
		52	434
16	296		
		39	517
26	262		
		43	465

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET

STA. 133+00 TO STA. 134+50, RT.

BUT-CR19-3.20

279
608

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD

CHECKED GKB

CROSS SECTION SHEET

STA. 135+00 TO STA. 136+00, LT.

EX. R/W

3:1

℄ Ex. 8" San

781.89
136·00
780.72

EX. R/W

℄ Ex. 8" San

783.79
135·50
782.48

EX. R/W

3:1

℄ Ex. 8" San

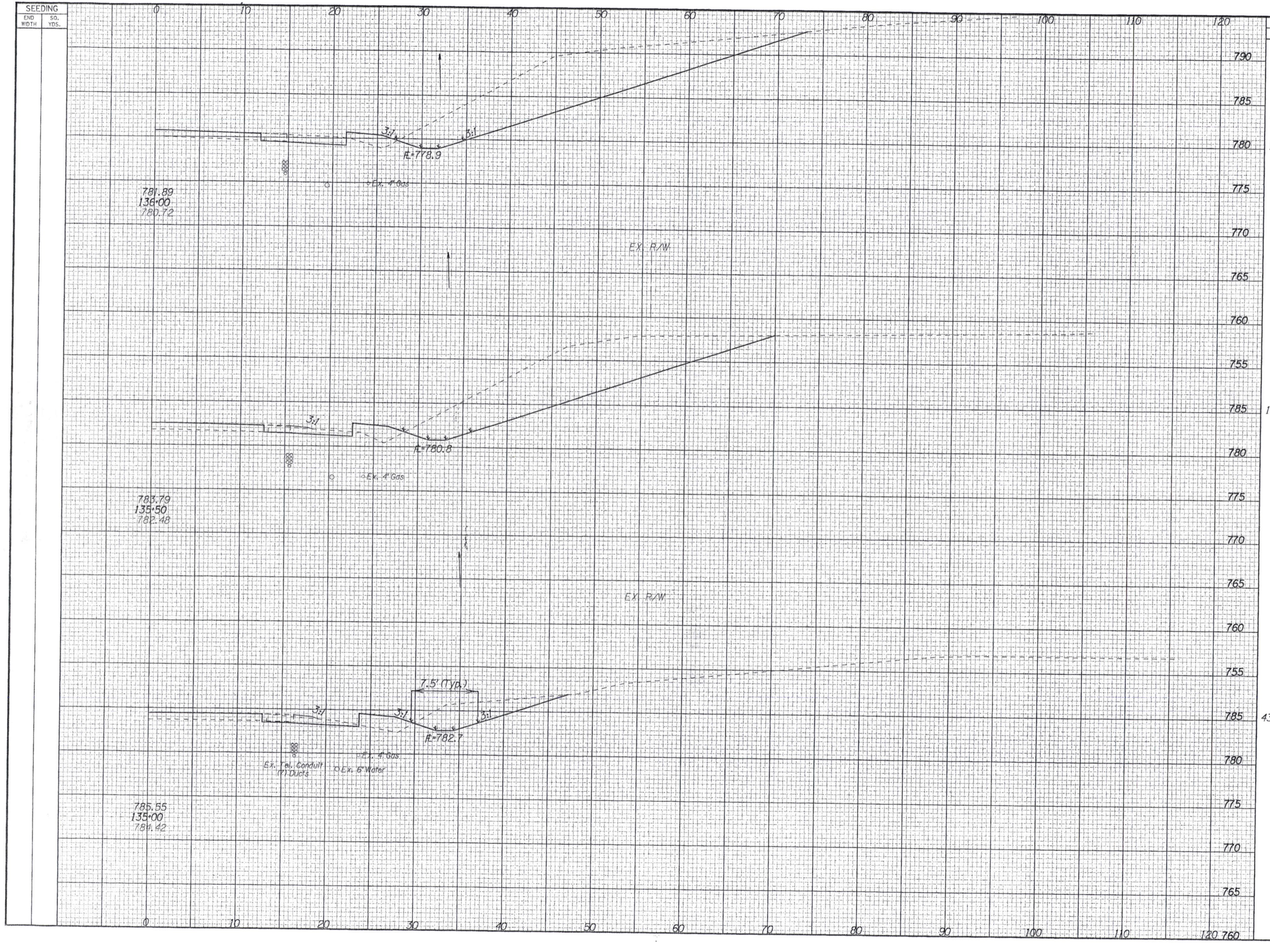
785.55
135·00
784.42

120 110 100 90 80 70 60 50 40 30 20 10 0

785 780 775 770 765 760 755

BUT-CR19-3.20

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL
183	55		
		326	119
169	73		
		196	153
43	92		
		96	148

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET

STA. 135+00 TO STA. 136+00, RT.

BUT-CR19-3.20

283
608

SEEDING	
END WIDTH	SQ. YDS.

120 110 100 90 80 70 60 50 40 30 20 10 0

785
780
775
770
765
790
785
780
775
770
765
760
755
750

EX. R/W

End Guardrail
Sta. 136+88.66, 17.61' Lt.

Ex. 8" San

778.55
136+80
778.55

EX. R/W

3:1

Ex. 8" San

779.85
136+50
779.09

120 110 100 90 80 70 60 50 40 30 20 10 0

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMD
CHECKED GKB

CROSS SECTION SHEET
STA. 136+50 TO STA. 136+80, LT.

BUT-CR19-3.20

284
608

SEEDING	
END WIDTH	SQ. YDS.

	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
GRAND TOTALS*			40013	29451
IR-75-1 TOTALS			5279	4710
M-1E38 TOTALS			34339	20332
LBR TOTALS			395	4409

CALCULATED JMD

CHECKED GKB

* QUANTITIES CARRIED TO GENERAL NOTE SHEET

CINCINNATI-DAYTON ROAD
FOR INFORMATION ONLY

TEMPORARY CUT- 732
TEMPORARY FILL- 732

EX. R/W

Ex. 4" Gas

778.55
136+80
778.55

EX. R/W

7.5' (Typ.)

3:1

3:1

E=776.7

Ex. Tel. Conduit
(7) Ducts

Ex. 6" Water

Ex. 4" Gas

779.85
136+50
779.09

	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
136+80	20	0	114	19
136+50	185	34	341	82

CROSS SECTION SHEET

STA. 136+50 TO STA. 136+80, RT.

BUT-CR19-3.20

285
608

81-D Sta. 123+51.40' Rt.
CB-3A
Grate Elev.=814.47
15" Inv. S=809.42

80-D Sta. 123+72.40' Rt.
CB-3A
Grate Elev.=814.07
15" Inv. N=809.21
15" Inv. NW=809.21

22.5° Bend
Rotate for Grade

21 L.F.~15" TYPE B @ 1.00%

10 L.F.~15" TYPE F @ 1.00%

42 L.F.~15" Type F @ 1.00%

Sta. 123+35.104' Rt.
15" Inv. N=795.00

HW-4

74 L.F.~15" TYPE F, 707.05 TYPE C

48" X 76" Conduit, Inv.=744.82
15" Inv. E=746.39

26-D Sta. 66+96.5,32' Rt.
CB-3
Grate Elev.=751.61
15" Inv. W&E=746.59
12" Inv. N&S=746.84
4" Inv. N&S=748.78

Ex. Tel. Conduit (13) Ducts

Ex. 4" Gas

Ex. 8" Water

Ex. 8" Sanitary

64 L.F.~15" TYPE B @ 1.00%

9 L.F.~15" TYPE C @ 2.23%

17-D Sta. 66+96.5,32' Lt.
CB-3
Grate Elev.=751.42
15" Inv. W=747.23
12" Inv. N&S=747.48
4" Inv. N&S=748.59

Sta. 66+60.32' Rt.
CB-3A
Grate Elev.=751.67
12" Inv. S=747.21
4" Inv. N=748.83

25-D

37 L.F.~12" TYPE B @ 1.00%

26-D Sta. 66+96.5,32' Rt.
CB-3
Grate Elev.=751.61
15" Inv. W&E=746.59
12" Inv. N&S=746.84
4" Inv. N&S=748.78

Ex. B" Water

34 L.F.~12" TYPE B @ 0.1.00%

1.5' Min Clearance
Prop 8" Water

27-D Sta. 67+30.32' Rt.
CB-3A
Grate Elev.=751.66
12" Inv. N&S=747.18
4" Inv. S=748.82

Ex. Electric

95 L.F.~12" TYPE B @ 0.70%

28-D Sta. 68+25.32' Rt.
CB-3A
Grate Elev.=752.40
12" Inv. N=747.85
4" Inv. S=749.56

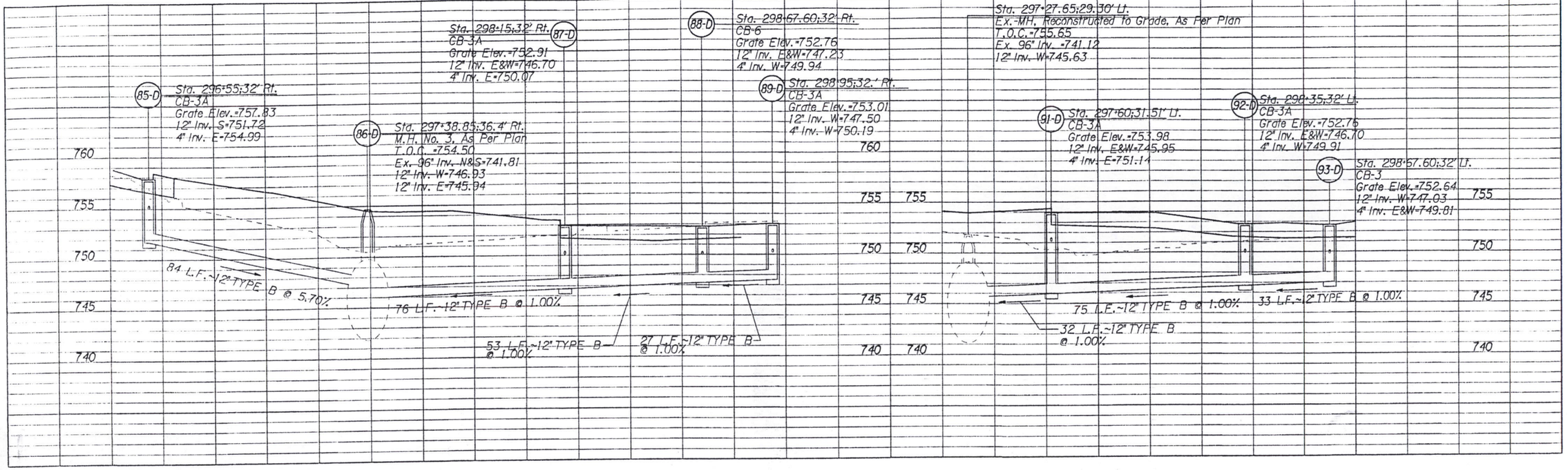
Ex. Electric

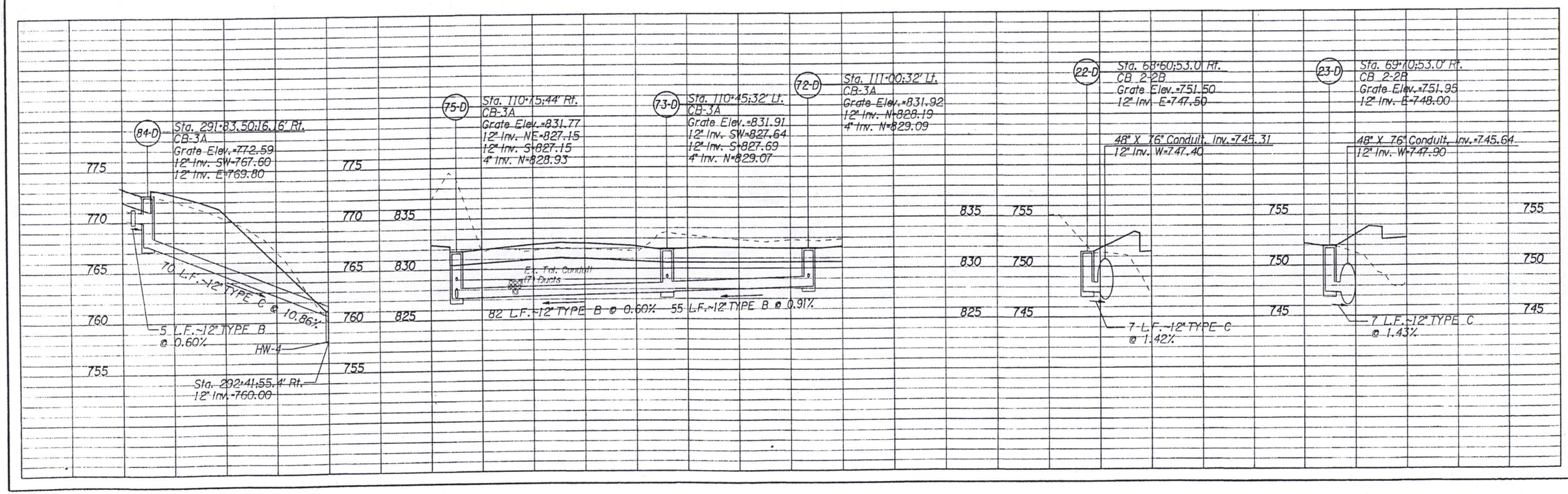
CALCULATED RES
CHECKED GKB

DRAINAGE DETAILS

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CALCULATED RES
CHECKED GKB

DRAINAGE DETAILS

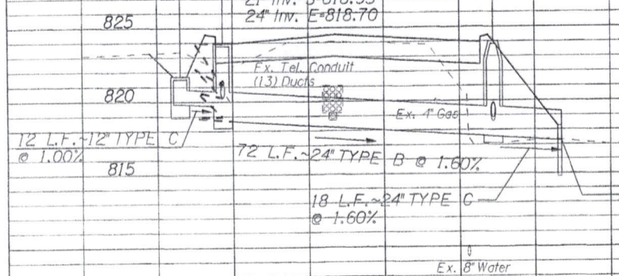
BUT-CR19-3.20

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66-D Sta. 99+77.5;43.7' Rt.
CB-5, E. Grate, Without Apron
Grate Elev.=821.70
12" Inv. E=819.82

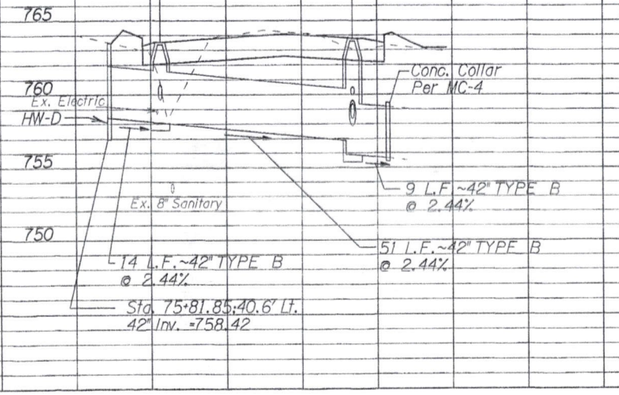
53-D Sta. 99+77.5;32' Rt.
CB-3
Grate Elev.=823.94
4" Inv. N&S=821.10
12" Inv. N=820.25
12" Inv. W=819.70
21" Inv. S=818.95
24" Inv. E=818.70

109-D Sta. 100+00;36' Lt.
MH-3
T.O.C. Elev.=824.00
24" Inv. E&W=817.55
12" Inv. S=818.84
15" Inv. N=818.59

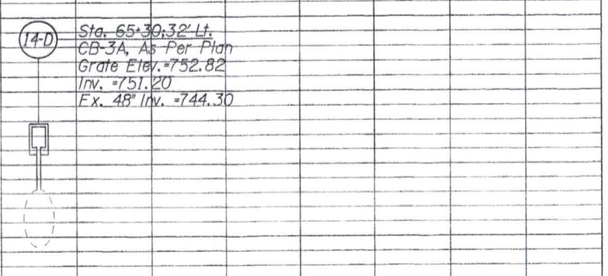


45-D Sta. 75+81.85;27' Lt.
MH-3
T.O.C. Elev.=763.54
42" Inv. E&W=758.08
12" Inv. S=759.66
12" Inv. N=759.66

38-D Sta. 75+81.55;24' Rt.
MH-3
T.O.C. Elev.=763.77
42" Inv. W=755.88
42" Inv. E=756.84
21" Inv. S=757.66
12" Inv. NW=758.38
6" Inv. SW=760.00



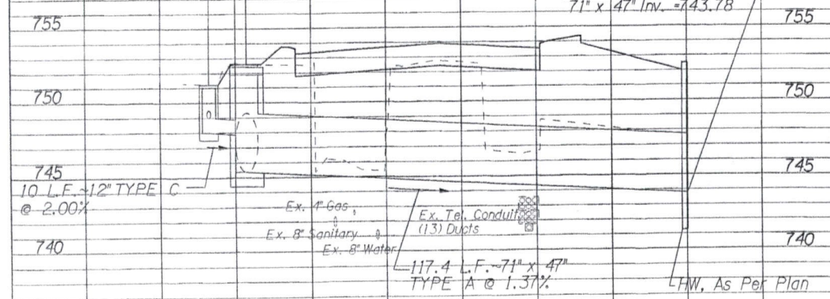
14-D Sta. 65+30.32' Lt.
CB-3A, As Per Plan
Grate Elev.=752.82
Inv. =751.20
Ex. 48" Inv. =744.30



11-D Sta. 65+05;45.70' Lt.
CB-2-2B
Grate Elev.=751.20
12" Inv. S=748.00
6" Inv. E=749.00

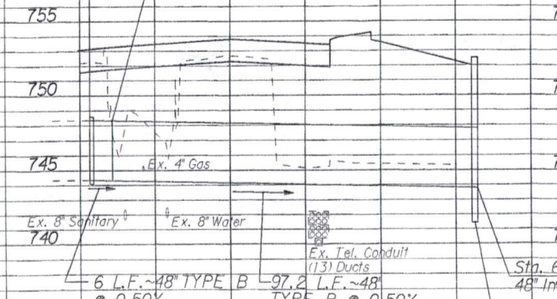
12-D Sta. 65+16.50;45.70' Lt.
MH-5
T.O.C. Elev.=752.60
71" x 47" Inv. E&W=745.39
12" Inv. N.=747.80

Sta. 65+09.51;41.75' Rt.
71" x 47" Inv. =743.78



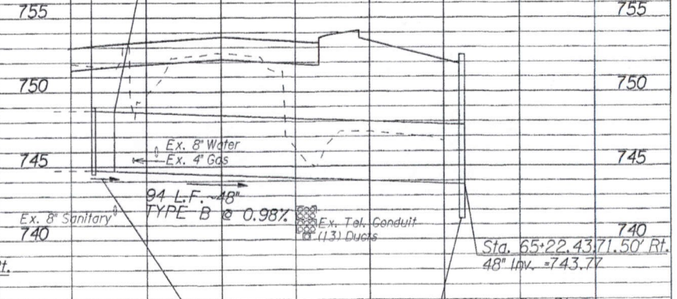
13-D Sta. 65+26.57;29.54' Lt.
Conc. Collar Per MC-4
48" Inv. =744.34

Sta. 65+22.15;25.48' Lt.
Bend
48" Inv. =744.31



15-D Sta. 65+32.37;26.28' Lt.
Conc. Collar Per MC-4
48" Inv. =744.75

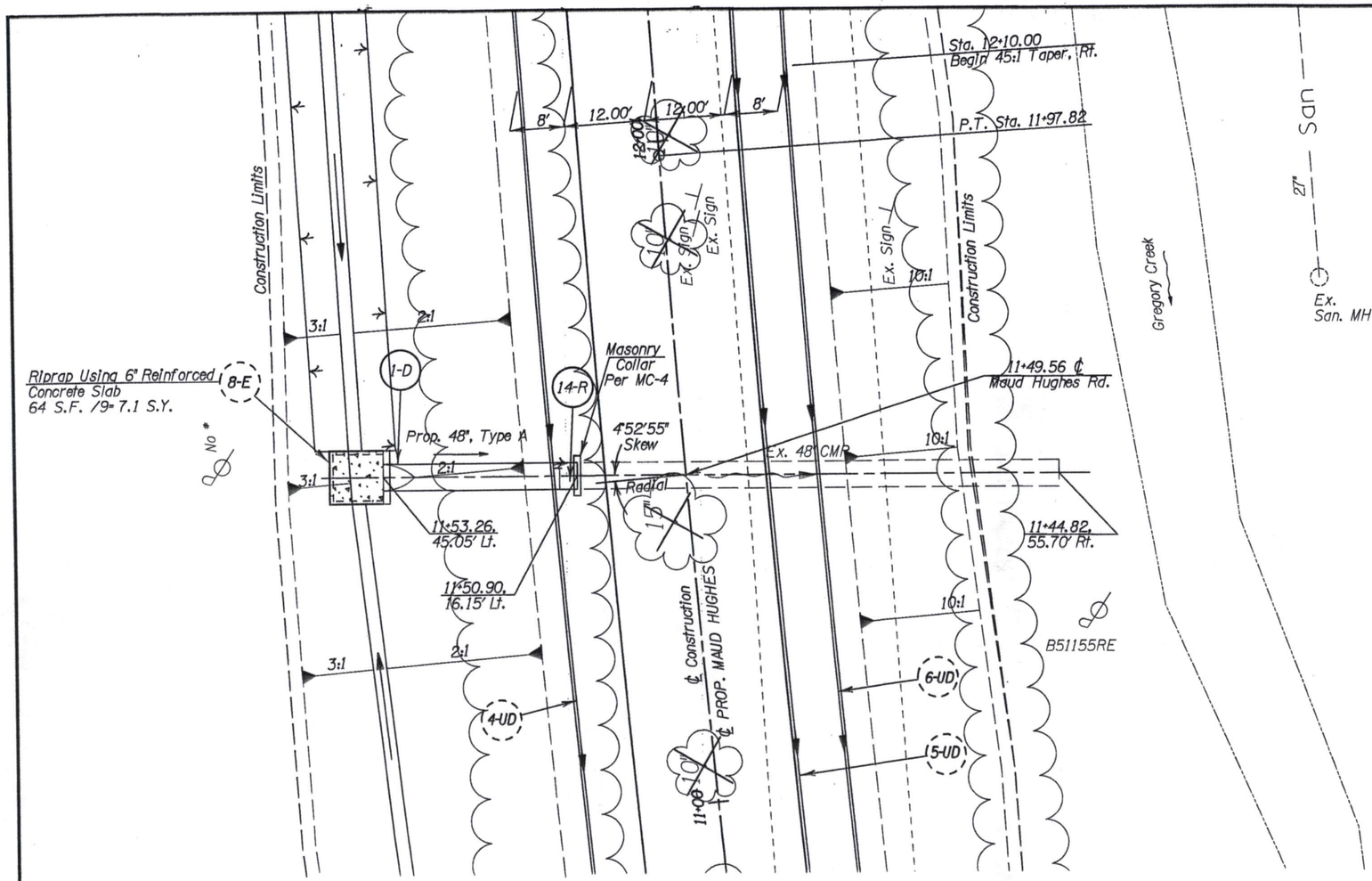
Sta. 65+27.96;22.23' Lt.
Bend
48" Inv. =744.69



CALCULATED RES.
CHECKED GKB

DRAINAGE DETAILS

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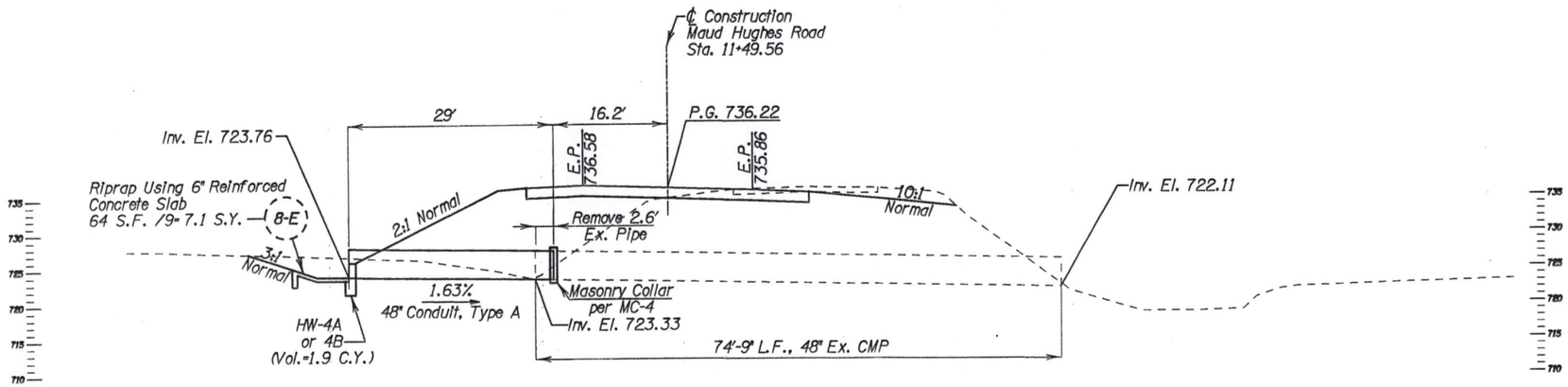
ESTIMATED QUANTITIES*			
ITEM	QUANTITY	UNIT	DESCRIPTION
602	1.9	Cu. Yd.	Concrete Masonry
603	29	Lin. Ft.	48" Conduit, Type A

*Quantities carried to Subsummary Sheet

HYDRAULIC DESIGN DATA

Drainage Area	= 3.56 Ac.
Q_{25}	= 14.1 cfs
Q_{100}	= 17.2 cfs
HWE_{25}	= 725.4
HWE_{100}	= 725.6
V_{25}	= 9.0 fps
V_{100}	= 9.4 fps

EXISTING STRUCTURE
TYPE: Corrugated Metal Pipe
SIZE: 48"
SKEW: 4°52'55" L. F.
ALIGNMENT: Tangent
DATE BUILT: Unknown
CONDITION: Fair



CULVERT NO. 1-D
MAUD HUGHES RD., STA. 11+49.56

CALCULATED SRP
CHECKED GKB

HORIZONTAL SCALE IN FEET
0 5 10 20

BUT-CR19-3.20

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ESTIMATED QUANTITIES*			
ITEM	QUANTITY	UNIT	DESCRIPTION
602	0.91	Cu. Yd.	Concrete Masonary
603	104	Lin. Ft.	21" Conduit, Type A, 706.02; or 21", 707.01

*Quantities carried to Subsummary Sheet

12-UD
11-UD
14-UD
13-UD
3:1
2:1
Construction Limits
℄ Construction
2-D
Sta. 47+35.91
End Shld. Taper
8'
24.00'
24.00'
8'
Ex. Traf. Cont. Box
1-E Rock Channel Protection, Type C w/Fabric Filter, 1-18", 6'x4'x1.5'/27=1.3 C.Y.
2:1
5.7:1
10:1
Riprap Using 6" Reinforced Concrete Slab 3' x 6' /9= 2.0 S.Y. 20-E
47+25, 51' Rt.
Cut Off Wall On All Three Sides
Prop. 21", Type A
47+25, ℄
47+25, 54' Rt.
Ex. HW
Ex. Trans. & Risers
50' R
Ex. Tel. MH AT&T 239-6
68BT 729E
℄ PROP. CINCINNATI-DAYTON ROAD (CR19)
47+00
Ex. San MH
68BT 1396E
68BT 1379E
Ex. Stone Wall
Do Not Disturb Ex. Stone Wall
Sta. 599+16.00 Meet Existing
Ex. HW
Ex. CB
12
93°15'10"
82°53'17"
Ex. San MH
Asphalt
℄ Construction
℄ SHAWNEE LANE
599+00
46+00
℄ Construction
℄ PROP. CINCINNATI-DAYTON ROAD (CR19)
STA. 46+56.22 CINCINNATI-DAYTON RD.=
STA. 20+00.00 MAUD HUGHES ROAD
STA. 19+92.25 MAUD HUGHES ROAD=
STA. 600+00.00 SHAWNEE LANE

HYDRAULIC DESIGN DATA	
Drainage Area	= 2.28 Ac.
Q_{25}	= 12.3 cfs
Q_{100}	= 15.2 cfs
HWE_{25}	= 734.5
HWE_{100}	= 735.9
V_{25}	= 8.5 fps
V_{100}	= 9.0fps

℄ Construction
Cincinnati-Dayton Road (CR19)
Sta. 47+25
104'
51'
53'
Inv. El. 732.00
P.G. 740.42
E.P. 737.54
E.P. 737.54
2:1
5.7:1
10:1
Inv. El. 729.45
20-E
HW-4A or 4B
2.43%
21" Conduit, Type A
HW-4A or 4B
(See Estimated Quantities for Alternate Conduit)
1-E
735
730
745
740
735
730
725
720

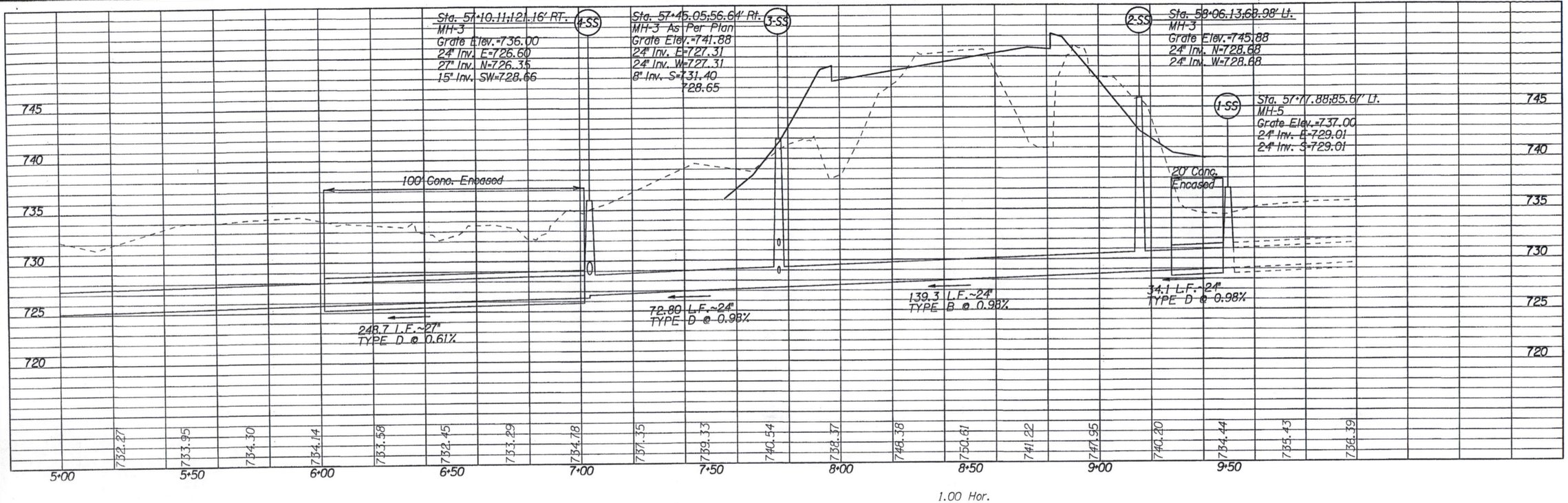
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CALCULATED SRP
CHECKED GKB

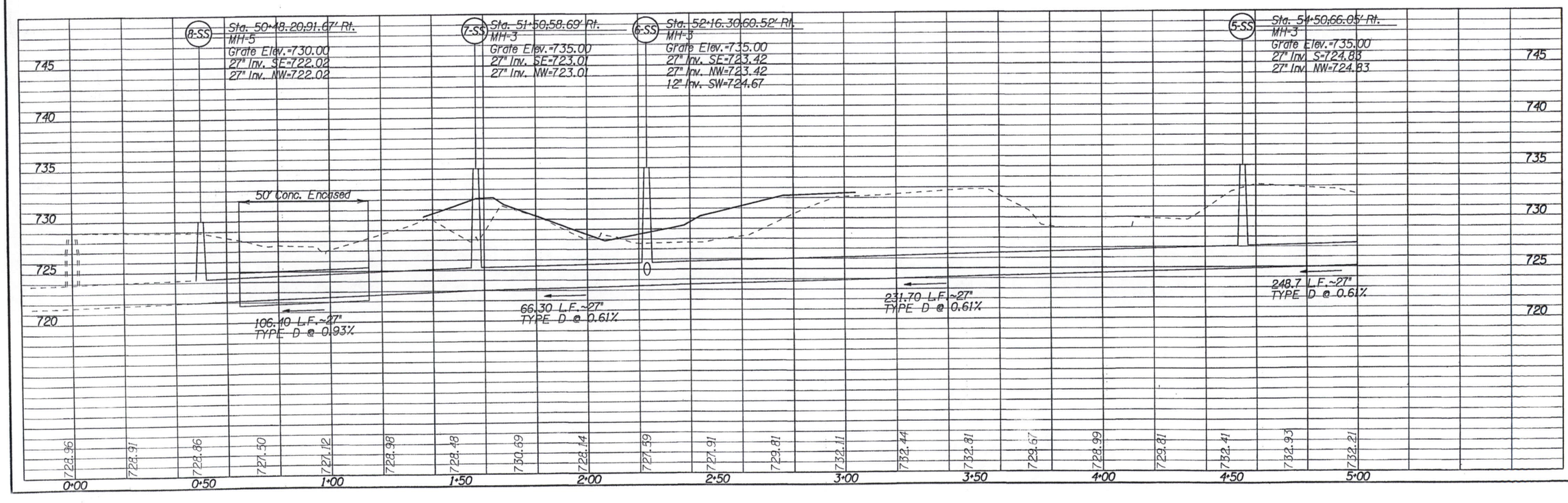
CULVERT NO. 2-D
CINCINNATI-DAYTON RD. (CR19) STA. 47+25

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13-19-152 02 SEP 97 H:\DGN\449\608PT2.DGN





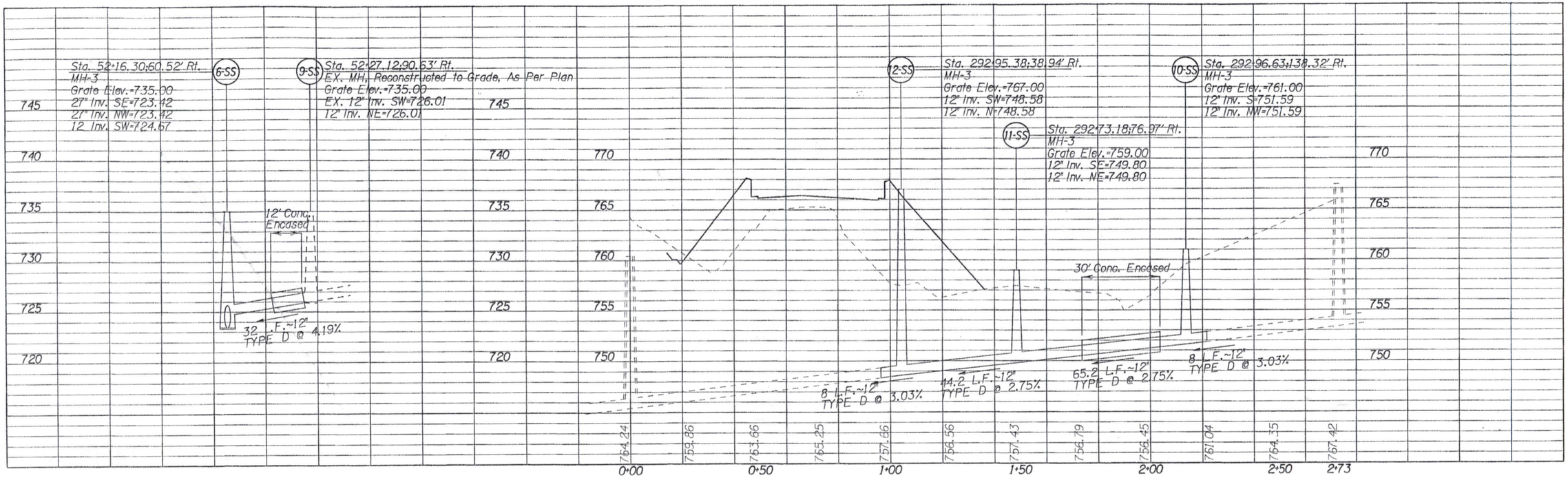
CALCULATED RES
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SANITARY PROFILES

BUT-CR19-3.20

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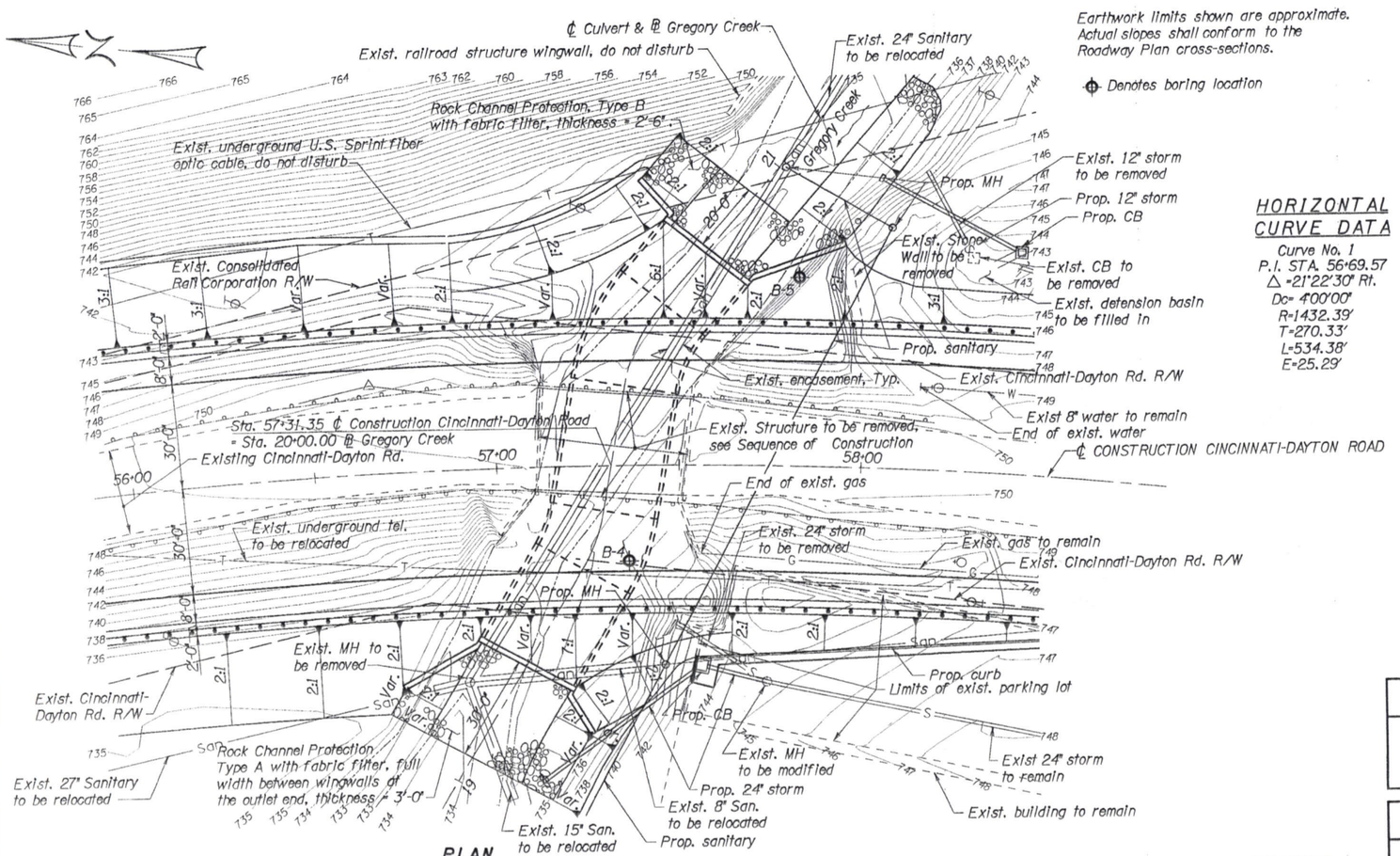
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CHECKED GKB

SANITARY PROFILES

BUT-CR19-3.20

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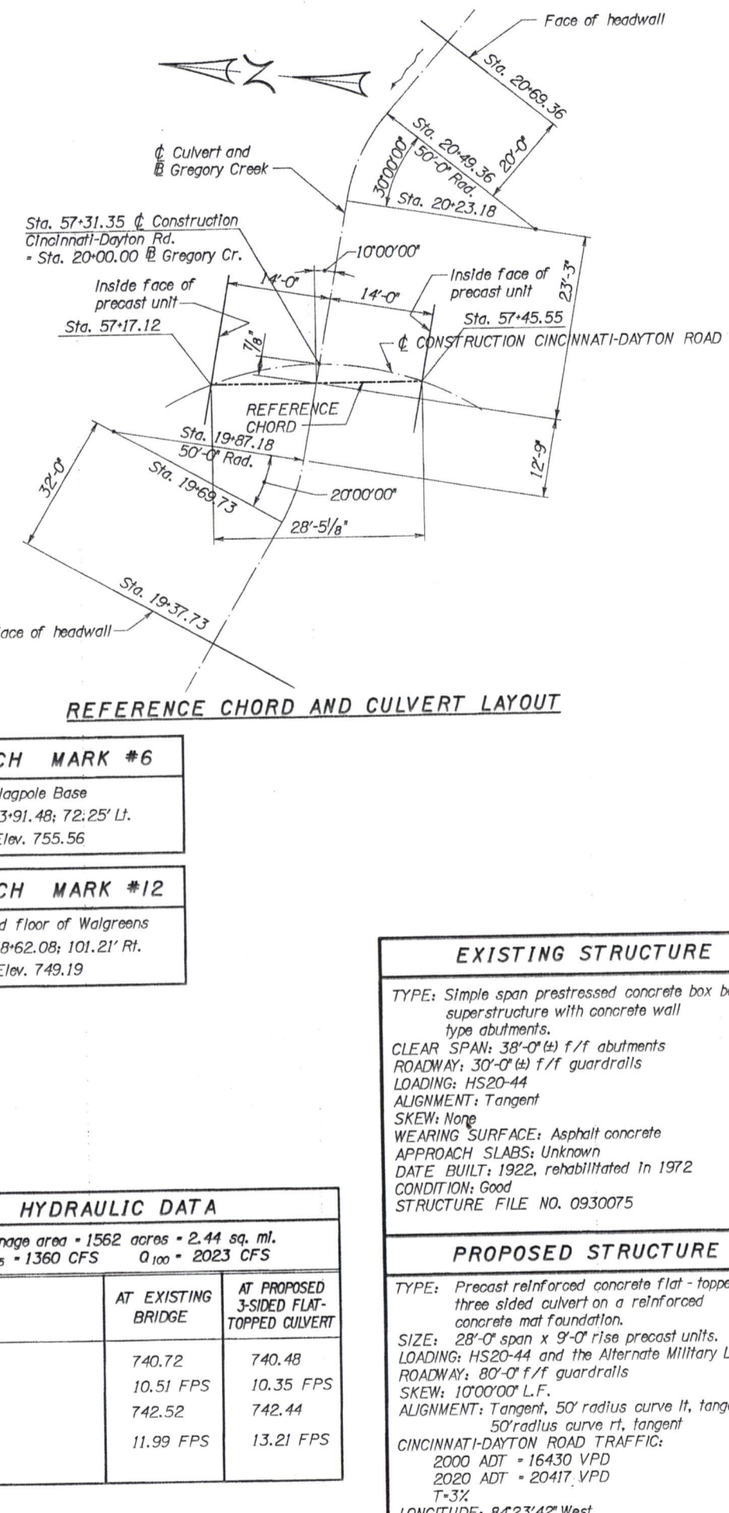
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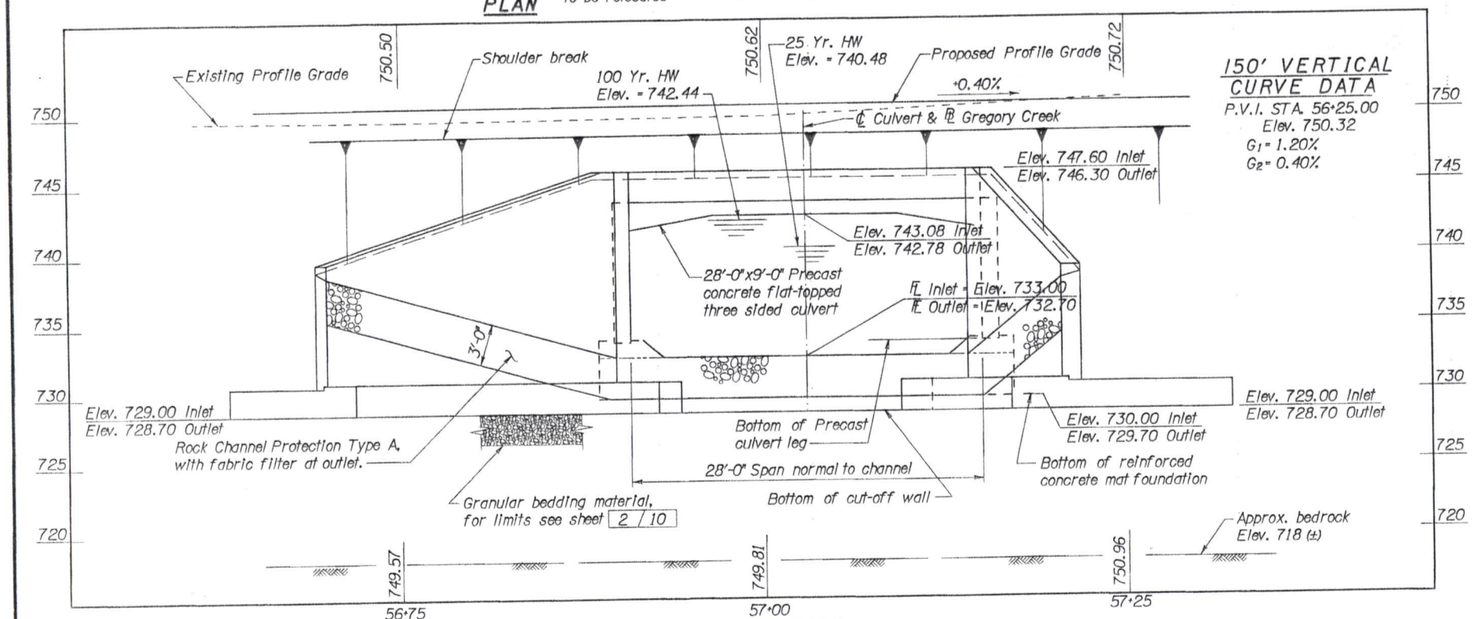
PLAN

HORIZONTAL CURVE DATA

Curve No. 1
P.I. STA. 56+69.57
△ = 21°22'30" Rt.
Dc = 4°00'00"
R = 1432.39'
T = 270.33'
L = 534.38'
E = 25.29'



REFERENCE CHORD AND CULVERT LAYOUT



ELEVATION

150' VERTICAL CURVE DATA

P.V.I. STA. 56+25.00
Elev. 750.32
G_1 = 1.20%
G_2 = 0.40%

BENCH MARK #6

Flagpole Base
Sta. 63+91.48; 72.25' Lt.
Elev. 755.56

BENCH MARK #12

Finished floor of Walgreens
Sta. 58+62.08; 101.21' Rt.
Elev. 749.19

HYDRAULIC DATA

Drainage area = 1562 acres = 2.44 sq. mi.
Q_{25} = 1360 CFS Q_{100} = 2023 CFS

	AT EXISTING BRIDGE	AT PROPOSED 3-SIDED FLAT-TOPPED CULVERT
HW_{25}	740.72	740.48
Mean V_{25}	10.51 FPS	10.35 FPS
HW_{100}	742.52	742.44
Mean V_{100}	11.99 FPS	13.21 FPS

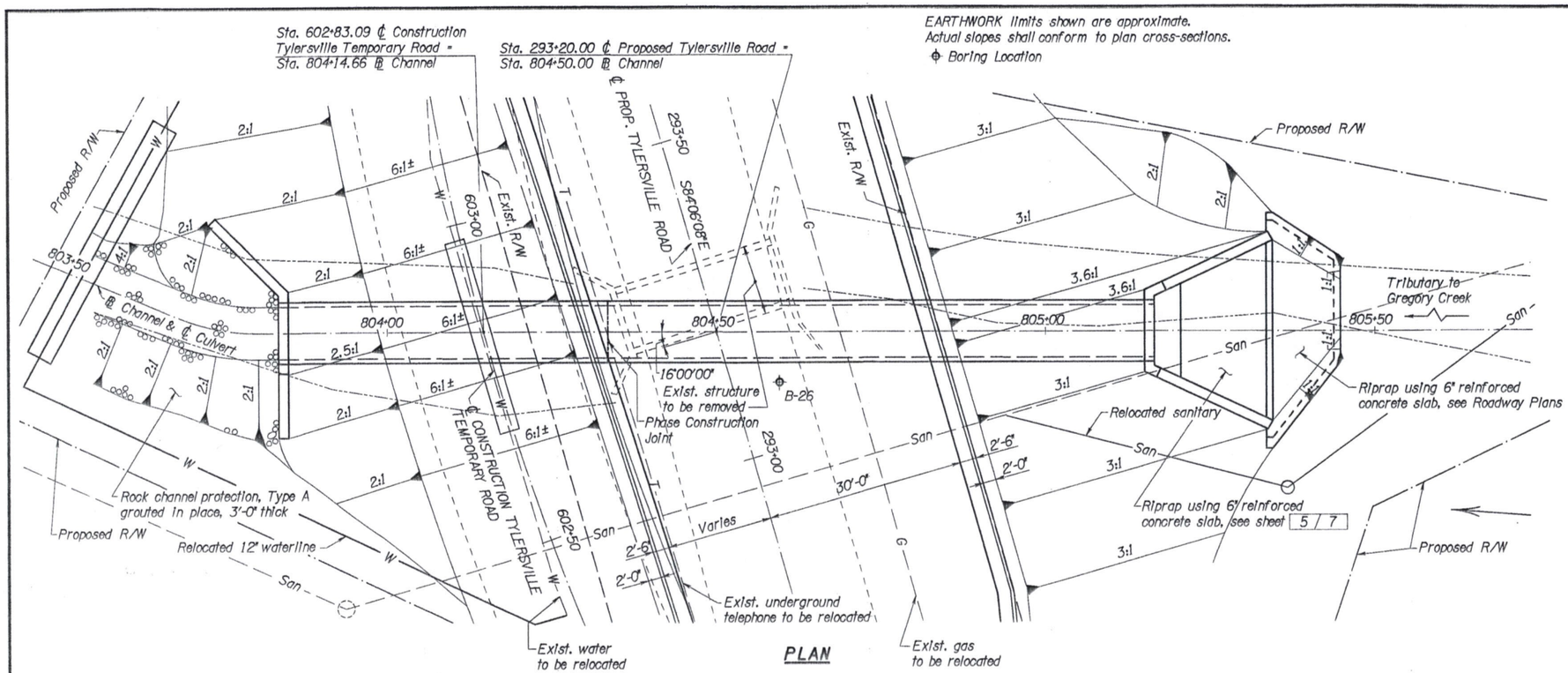
EXISTING STRUCTURE

TYPE: Simple span prestressed concrete box beam superstructure with concrete wall type abutments.
CLEAR SPAN: 38'-0" (±) f/f abutments
ROADWAY: 30'-0" (±) f/f guardrails
LOADING: HS20-44
ALIGNMENT: Tangent
SKEW: None
WEARING SURFACE: Asphalt concrete
APPROACH SLABS: Unknown
DATE BUILT: 1922, rehabilitated in 1972
CONDITION: Good
STRUCTURE FILE NO. 0930075

PROPOSED STRUCTURE

TYPE: Precast reinforced concrete flat-topped three sided culvert on a reinforced concrete mat foundation.
SIZE: 28'-0" span x 9'-0" rise precast units.
LOADING: HS20-44 and the Alternate Military Loading
ROADWAY: 30'-0" f/f guardrails
SKEW: 10°00'00" L.F.
ALIGNMENT: Tangent, 50' radius curve lt, tangent, 50' radius curve rt, tangent
CINCINNATI-DAYTON ROAD TRAFFIC:
2000 ADT = 16430 VPD
2020 ADT = 20417 VPD
T = 3%
LONGITUDE: 84°23'42" West
LATITUDE: 39°21'31" North

DESIGN AGENCY: L J B INC.
DATE: 12-96
REVIEWED: MPH
DRAWN: MJZ
DESIGNED: MJZ
BUTLER COUNTY
SITE PLAN

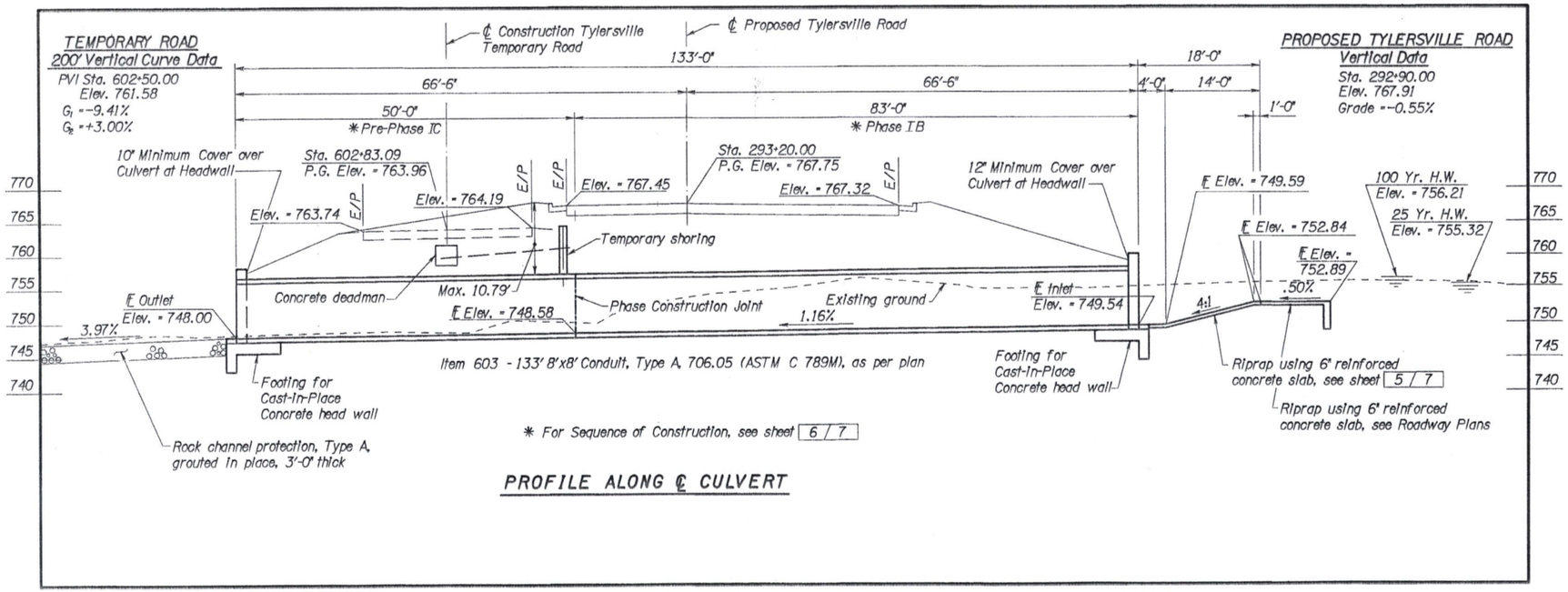


PLAN

TEMPORARY BENCH MARK #13
Top 1st Step @ #6778 Sta. 290+90.73; 49.27' Lt. Elev. 781.54

TEMPORARY BENCH MARK #14
#6808-Top of Porch at Southeast corner Sta. 295+17.03; 47.62' Lt. Elev. 763.90

HYDRAULIC DATA		
Drainage area = 203 acres = 0.32 sq. mi. Q_{25} = 300 CFS, Q_{100} = 410 CFS		
	EXISTING BRIDGE	BOX CULVERT
HW_{25}	757.63	755.32
Mean V_{25}	10.42 FPS	14.92 FPS
HW_{100}	758.83	756.21
Mean V_{100}	11.56 FPS	16.09 FPS



PROFILE ALONG ℄ CULVERT

TEMPORARY ROAD
CURVE DATA
Curve No. TT-2
P.I. STA. 602+48.63
△ = 24°58'18", RT.
Dc = 15°00'00"
R = 381.97'
T = 84.58'
L = 166.48'
E = 9.25'

EXISTING STRUCTURE

TYPE: Stone arch culvert with widened reinforced concrete walls.
SIZE: 8.60'± span x 8.20'± rise
ROADWAY: 22'-0"± EP/EP
SKEW: None
ALIGNMENT: Tangent
DATE BUILT: Unknown
CONDITION: Poor

PROPOSED STRUCTURE

TYPE: Precast reinforced concrete box-culvert with cast-in-place headwall and wingwalls.
SIZE: 8'-0" span x 8'-0" rise
LOADING: HS20-44 and the Alternate Military Loading
ROADWAY: Width varies
SKEW: 16°00'00" LF
ALIGNMENT: Tangent
LATITUDE: 39°21'27" North
LONGITUDE: 84°23'50" West

HORIZONTAL SCALE IN FEET
0 5 10 20
CALCULATED ADH
CHECKED MJZ

CONDUIT TYPE A
STA 293+20.00 TYLERSVILLE ROAD

BUT-CR19-3.20

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REINFORCING STEEL LIST

OUTLET HEADWALL

MARK	NO.	LENGTH	WEIGHT	TYPE	B	C	D	E	F	H
A501	4	22'-8"	95	Str.						
A502	3	23'-1"	72	Str.						
A503	2	23'-9"	50	Str.						
A504	3	25'-1"	78	Str.						
A505	1	24'-3"	25	Str.						
A506	4	15'-10"	66	Str.						
A507	3	16'-3"	51	Str.						
A508	2	16'-11"	35	Str.						
A509	3	18'-3"	57	Str.						
A510	1	19'-1"	20	3	1'-8"	17'-5"			1'-2 1/8"	1'-2 1/8"
A511	25	4'-11"	128	1	2'-0"	1'-2"	2'-0"			
A512	1-Series	Var. 6'-4 1/2"	88	Str.						
	of 10	to 10'-6"								
	+ 10	Incr. + 5 1/2"								
A513	3	10'-7"	33	Str.						
A514	5	16'-0"	83	Str.						
A515	5	16'-7"	86	3	1'-3"	15'-4"			10 5/8"	10 5/8"
A516	1	11'-8"	12	Str.						
A517	1	12'-3"	13	3	1'-3"	11'-0"			10 5/8"	10 5/8"
A518	1	6'-7"	7	Str.						
A519	1	7'-2"	7	3	1'-3"	5'-11"			10 5/8"	10 5/8"
A520	1	16'-7"	17	3	2'-2"	14'-5"			2'-0 1/8"	7 3/8"
A521	1	15'-10"	17	3	1'-5"	14'-5"			1'-4 1/4"	4 1/8"
A522	7	4'-1"	30	1	1'-2"	1'-0"	2'-2"			
A523	1-Series	Var. 7'-11 3/8"	77	Str.						
	of 8	to 10'-6"								
	+ 8	Incr. + 4 3/8"								
A524	12	11'-1"	139	Str.						
A525	2	6'-3"	13	Str.						
A526	2	11'-4"	24	3	8"	10'-8"			7 3/4"	2"
A527	8	3'-5"	29	1	1'-3"	1'-2"	1'-3"			
A528	4	9'-0"	38	Str.						
A529	1	5'-7"	6	4	2'-2"	1'-0"	1'-2"	1'-6"	1'-0 3/4"	1'-0 3/4"
A601	48	11'-7"	835	2	4'-0"	7'-8"				
A602	8	7'-6"	90	Str.						
A603	21	7'-1"	223	2	2'-8"	4'-6"				
A604	1-Series	Var. 6'-4 1/2"	127	Str.						
	of 10	to 10'-6"								
	+ 10	Incr. + 5 1/2"								
A605	3	10'-7"	48	Str.						
A606	1-Series	Var. 7'-11 3/8"	111	Str.						
	of 8	to 10'-6"								
	+ 8	Incr. + 4 3/8"								
A607	9	2'-8"	36	Str.						
		Total =	2866							

INLET HEADWALL

MARK	NO.	LENGTH	WEIGHT	TYPE	B	C	D	E	F	H
B501	3	12'-8"	40	Str.						
B502	2	14'-0"	29	Str.						
B503	2	16'-0"	33	Str.						
B504	1	17'-7"	18	Str						
B505	1	19'-2"	20	Str.						
B506	1	19'-6"	20	Str.						
B507	6	20'-3"	127	Str.						
B508	4	20'-11"	87	Str.						
B509	4	21'-11"	91	Str.						
B510	2	22'-8"	47	Str.						
B511	2	23'-6"	49	Str.						
B512	2	25'-3"	53	3	1'-8"	23'-7"			8 1/8"	1'-6 1/4"
B513	2	5'-10"	12	4	1'-11"	1'-0"	1'-5"	1'-9"	1'-7 1/8"	8 1/2"
B514	2-Series	Var. 5'-6"	217	Str.						
	of 13	to 10'-6"								
	+ 26	Incr. + 5"								
B515	4	10'-8"	45	Str.						
B516	8	20'-10"	174	Str.						
B517	8	21'-10"	182	3	1'-6"	20'-4"			7 3/8"	1'-4 1/2"
B518	2	18'-2"	38	Str.						
B519	2	19'-1"	40	3	1'-6"	17'-7"			7 3/8"	1'-4 1/2"
B520	2	12'-9"	27	Str.						
B521	2	13'-9"	29	3	1'-6"	12'-3"			7 3/8"	1'-4 1/2"
B522	2	7'-5"	15	Str.						
B523	2	8'-4"	17	3	1'-6"	6'-10"			7 3/8"	1'-4 1/2"

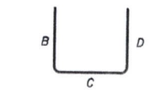
INLET HEADWALL (CONTINUED)

MARK	NO.	LENGTH	WEIGHT	TYPE	B	C	D	E	F	H
B524	2	21'-6"	45	3	2'-3"	19'-3"			2'-2"	7 1/4"
B525	2	21'-0"	44	3	1'-9"	19'-3"			1'-8 1/4"	5 5/8"
B526	14	4'-1"	60	1	1'-5"	1'-0"	1'-11"			
B527	8	3'-7"	30	1	1'-4"	1'-2"	1'-4"			
B528	4	9'-0"	38	Str.						
B529	2	24'-0"	50	Str.						
B530	1	20'-2"	21	Str.						
B601	63	11'-7"	1096	2	4'-0"	7'-8"				
B602	28	7'-6"	315	Str.						
B603	32	7'-1"	340	2	2'-8"	4'-6"				
B604	2-Series	Var. 5'-6"	312	Str.						
	of 13	to 10'-6"								
	+ 26	Incr. + 5"								
B605	6	10'-8"	96	Str.						
B606	9	2'-8"	36	Str.						
		Total =	3893							

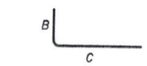
CONCRETE DEADMAN

D401	18	7'-4"	88	1	2'-6"	2'-6"	2'-6"			
D501	8	31'-6"	263	Str.						
		Total =	351							

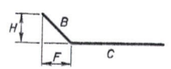
BENDING DIAGRAMS



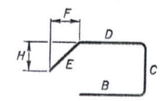
TYPE 1



TYPE 2



TYPE 3



TYPE 4

NOTES:
1. All dimensions are out to out of bar.
2. All reinforcing steel bars shall be epoxy coated.

ESTIMATED QUANTITIES

Item 202	Structure removed	Lump Sum
Item 503	Cofferdams, Cribs, and Sheeting, as per plan	Lump Sum
Item 503	Unclassified excavation, including shale	249 Cu. Yds.
Item 511	Class C Concrete	100 Cu. Yds.
Item 512	Type 2 Waterproofing	Lump Sum
Item Special	Sealing of Concrete Surfaces (epoxy)	78 Sq. Yds.
Item 518	Porous backfill with filter fabric	Lump Sum
Item 601	Riprap using 6" reinforced concrete slab, as per plan	40 Sq. Yds.
Item 603	Conduit Misc.: 8'x8' Conduit, Type A, 706.05 (ASTM C 789M), as per plan	133 Lin. Ft.

Item 601 Rock Channel Protection, type A, grouted in place, 3'-0" thick, see Roadway Plans.
Item 601 Riprap using 6" reinforced concrete slab at inlet, see Roadway Plans.
Quantities have been carried to the General Summary sheet.

GENERAL NOTES

DESIGN SPECIFICATIONS: This structure conforms to "Standard Specifications for Highway Bridges" adopted by the American Association of State Highway and Transportation Officials 1996 and the ODOT Bridge Design Manual.

DESIGN DATA:
Precast Concrete Box Culvert - All requirements of ASTM C-789 shall be met design earth cover = 11'.
Concrete Class C - compressive strength 4000 p.s.i. (headwalls)
Reinforcing steel - ASTM A615, A616 or A617
Grade 60 minimum yield strength 60,000 p.s.i.

FOUNDATION BEARING PRESSURE:
Headwall footings, as designed, produce a maximum bearing pressure of 1.4 tons per square feet. The allowable bearing pressure is 2.0 tons per square foot.

Item 603 - Conduit Misc.: 8'x8' Conduit, Type A, 706.05 (ASTM C 789M), AS PER PLAN:
Type 2 Waterproofing, shall be applied to the top surface of the precast culvert sections and shall extend down each vertical side for the entire length of the culvert. The exterior joint gap on the top and sides between the precast culvert sections shall be filled with portland cement mortar prior to installing the type 2 waterproofing. Joint wrap as specified in 603.06 and concrete sealing as specified in 603.08 are not required under the limits of the type 2 waterproofing. Payment for the type 2 waterproofing shall be at the lump sum bid price for Item 512, Type 2 Waterproofing.

COFFERDAMS, CRIBS AND SHEETING, AS PER PLAN:
At the option of the Contractor, an alternate method of temporary shoring for part-width construction may be used. Plans for such shoring shall be designed by a registered professional engineer and conform with 501.05. For approval, five copies of the drawings shall be submitted to the Director and concurrently, one copy to the Bureau of Bridges and Structural Design. Construction of the shoring shall not begin until after written approval has been received from the Director. Portions of the temporary shoring composed of steel or concrete may be left in place at the discretion of the Engineer. Portions composed of other materials shall be removed prior to completion of the work.

UTILITY LINES:
All expense involved in relocating and/or installing the affected utility lines shall be borne by the Utility(ies). The Contractor and Utility(ies) are to cooperate by arranging their work in such a manner that inconvenience to either will be held to a minimum.

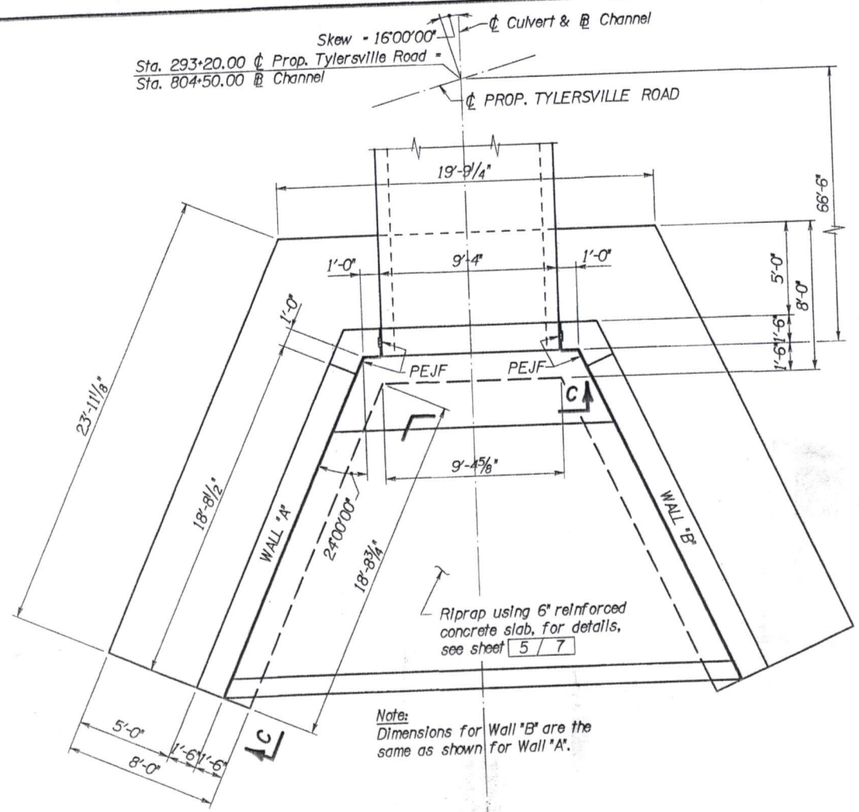
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GENEREAL NOTES AND REINF. STEEL LIST
EST. QUANTITIES, GENER

BUT-CR19-3.20

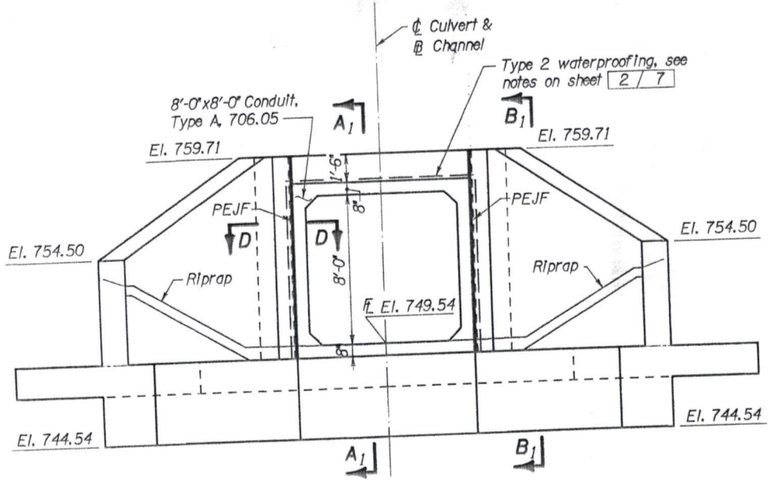
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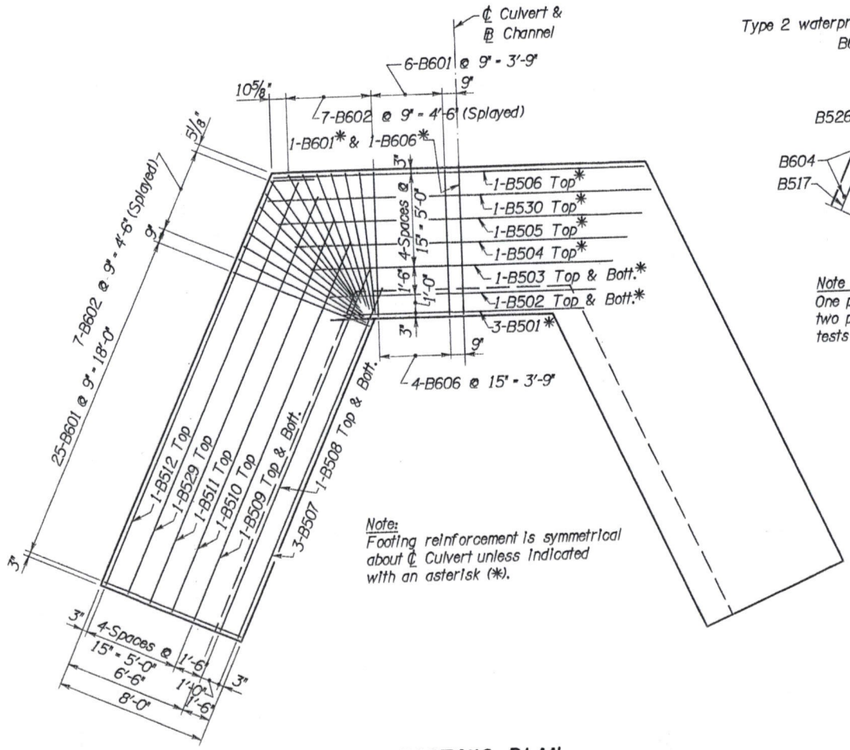


Note:
Dimensions for Wall "B" are the same as shown for Wall "A".

INLET HEADWALL PLAN

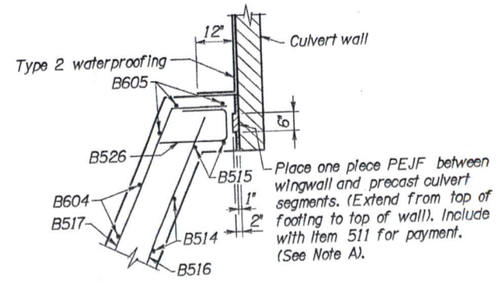


ELEVATION



Note:
Footing reinforcement is symmetrical about ℄ Culvert unless indicated with an asterisk (*).

FOOTING PLAN



SECTION D-D

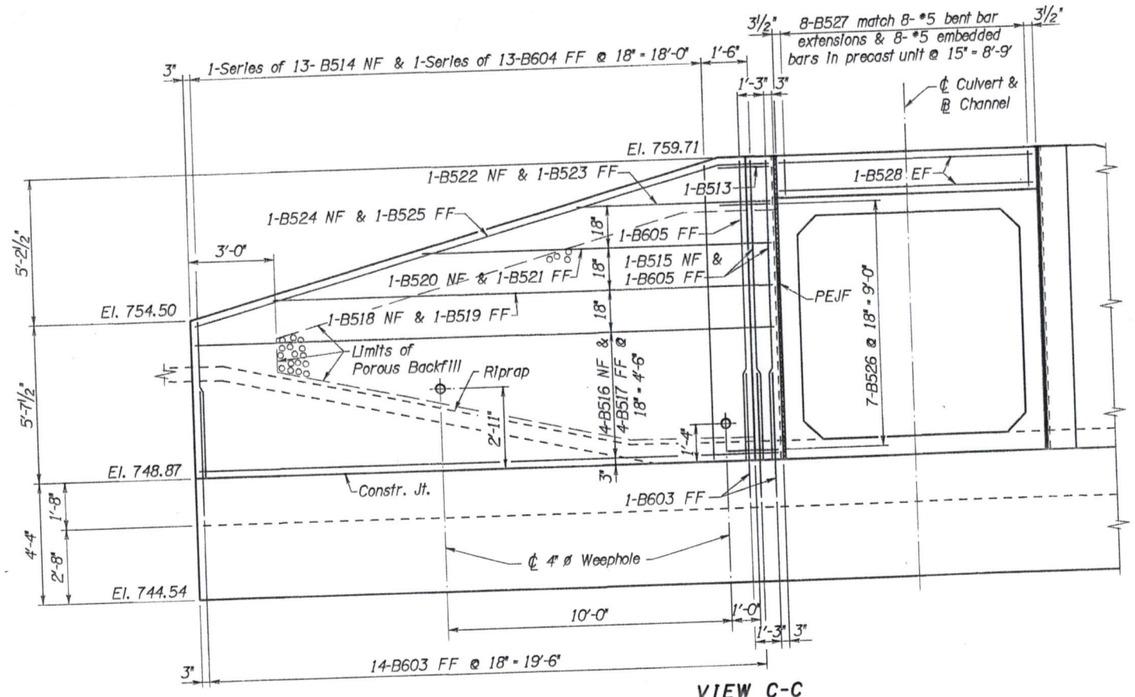
Note A:
One piece PEJF may be fabricated from two pieces provided that transverse shear tests on samples do not fall on bond lines.

NOTES

1. Concrete above the construction joint at the wingwall shall not be placed until the box sections are in their final positions.
2. Concrete above the construction joint at the toe of the footing shall not be placed until the box sections and wingwalls are in their final positions.
3. For Section A_1-A_1 & B_1-B_1 and Riprap details, see sheet 5 / 7
4. For Reinforcing Steel List, see sheet 2 / 7
5. For General Notes, see sheet 2 / 7

LEGEND

NF = Near Face
FF = Far Face
EF = Each Face
PEJF = Preformed Expansion Joint Filler

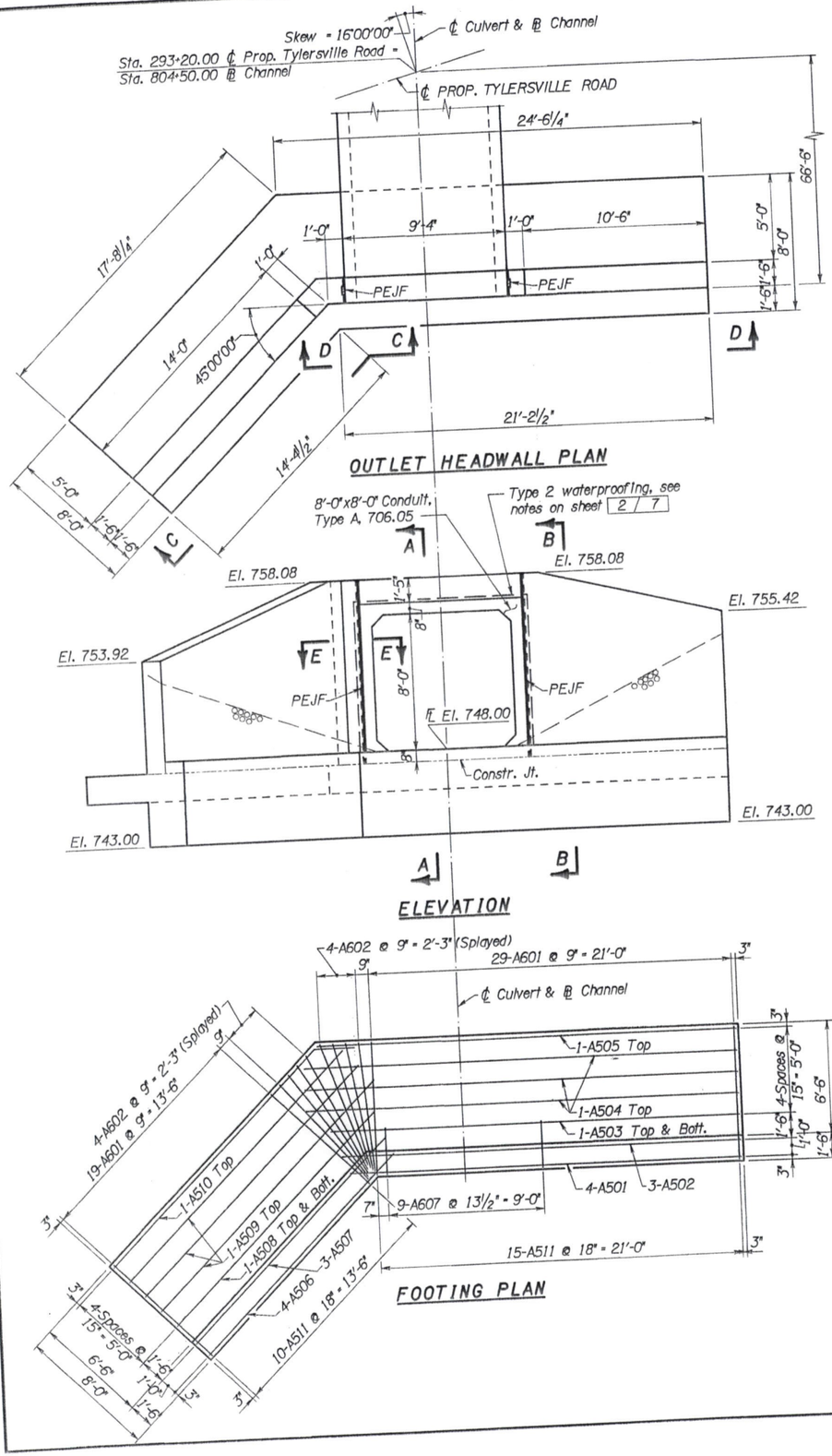


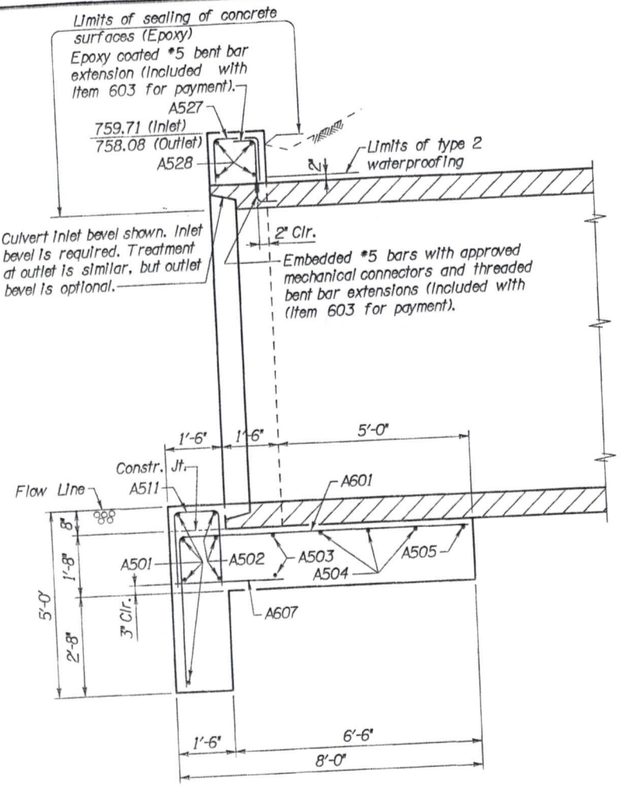
VIEW C-C

CALCULATED GJW
CHECKED ADH

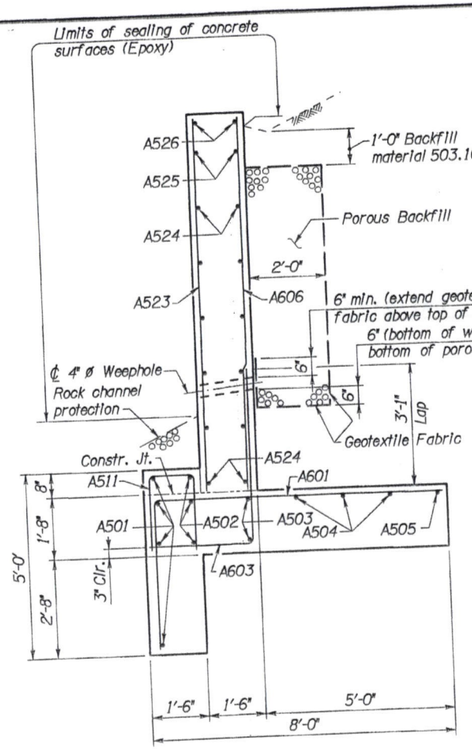
INLET HEADWALL DETAILS

BUT-CR19-3.20

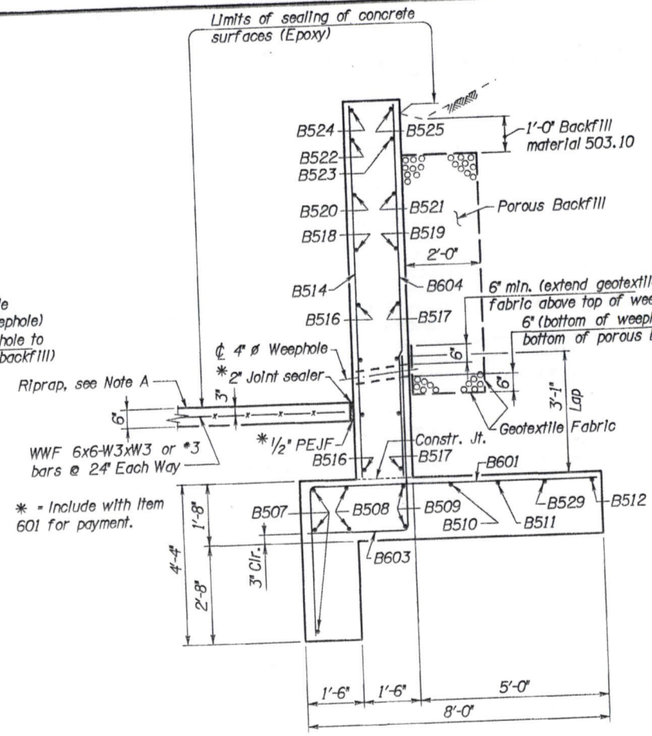

Skew = 16°00'00"
℄ Culvert & ℄ Channel
Sta. 293+20.00 ℄ Prop. Tylersville Road =
Sta. 804+50.00 ℄ Channel
℄ PROP. TYLERSVILLE ROAD
24'-6¼"
66'-6"
17'-8½"
1'-0"
9'-4"
1'-0"
10'-6"
5'-0"
8'-0"
1'-6"
1'-6"
PEJF
PEJF
14'-0"
45°00'00"
D
C
D
21'-2½"
14'-4½"
5'-0"
8'-0"
1'-6"
1'-6"
C
OUTLET HEADWALL PLAN
8'-0"x8'-0" Conduit, Type A, 706.05
Type 2 waterproofing, see notes on sheet 2 / 7
A
B
El. 758.08
El. 758.08
El. 755.42
El. 753.92
E
E
1'-5"
8"
8'-0"
PEJF
PEJF
℄ El. 748.00
Constr. Jt.
El. 743.00
El. 743.00
A
B
ELEVATION
4-A602 @ 9" = 2'-3" (Splayed)
29-A601 @ 9" = 21'-0"
3"
9"
℄ Culvert & ℄ Channel
1-A505 Top
1-A504 Top
1-A503 Top & Bott.
4-A501
3-A502
4 Spaces @ 15" = 5'-0"
1'-6"
1'-10"
1'-6"
6'-6"
8'-0"
4-A602 @ 9" = 2'-3" (Splayed)
19-A601 @ 9" = 13'-6"
1-A510 Top
1-A509 Top
1-A508 Top & Bott.
4-A506
3-A507
9-A607 @ 13½" = 9'-0"
7"
15-A511 @ 18" = 21'-0"
10-A511 @ 18" = 13'-6"
4 Spaces @ 15" = 5'-0"
6'-6"
8'-0"
1'-6"
1'-10"
1'-6"
3"
5"
FOOTING PLAN
3"
1-Series of 10- A512 NF & 1-Series of 10-A604 FF @ 18" = 13'-6"
1'-4"
3"
El. 758.08
1-A518 NF & 1-A519 FF
1-A520 NF & 1-A521 FF
1-A529
4'-2"
El. 753.92
1'-6"
1'-6"
1-A516 NF & 1-A517 FF
1-A513 NF & 1-A605 FF
PEJF
5'-11"
1'-0"
Limits of Porous Backfill
5-A514 NF & 5-A515 FF @ 18" = 6'-0"
7"
℄ 4" ø Weephole
1'-8"
7-A522 @ 18" = 9'-0"
8"
El. 748.00
Constr. Jt.
3"
3"
1-A603 FF
5'-0"
1'-8"
2'-8"
El. 743.00
3"
10-A603 FF @ 18" = 13'-6"
1'-4"
3"
VIEW C-C
12"
Culvert wall
Type 2 waterproofing
A605
A522
A604
A515
A513
A512
A514
6"
1"
2"
Place one piece PEJF between wingwall and precast culvert segments. (Extend from top of footing to top of wall). Include with Item 511 for payment. (See Note A).
SECTION E-E
Note A:
One piece PEJF may be fabricated from two pieces provided that transverse shear tests on samples do not fall on bond lines.
3½"
8-A527 match 8- #5 bent bar extensions & 8- #5 embedded bars in precast unit @ 15" = 8'-9"
3½"
1-Series of 8- A523 NF & 1-Series of 8-A606 FF @ 17" = 9'-11"
3"
℄ Culvert & ℄ Channel
El. 758.08
1-A528 EF
1-A526 EF
1-A525 EF
2'-8"
1'-5"
El. 755.42
PEJF
PEJF
1-A513 NF & 1-A605 FF
Limits of Porous Backfill
2'-0"
1'-0"
7'-5"
℄ 4" ø Weephole
2'-1"
6-A524 EF @ 18" = 7'-6"
El. 748.00
8"
1'-8"
5'-0"
2'-8"
Constr. Jt.
1-A603 FF
3"
3"
El. 743.00
8-A603 FF @ 17" = 9'-11"
3"
VIEW D-D
LEGEND
NF = Near Face
FF = Far Face
EF = Each Face
PEJF = Preformed Expansion Joint Filler
NOTES
1. Concrete above the construction joint at the wingwall shall not be placed until the box sections are in their final positions.
2. Concrete above the construction joint at the toe of the footing shall not be placed until the box sections and wingwalls are in their final positions.
3. For Section A-A & B-B, see sheet 5 / 7
4. For Reinforcing Steel List, see sheet 2 / 7
5. For General Notes, see sheet 2 / 7
4 / 7
CALCULATED GJ
CHECKED AD
OUTLET HEADWALL DETAILS
BUT-CR19-3.20
465
608
15 AUG '97
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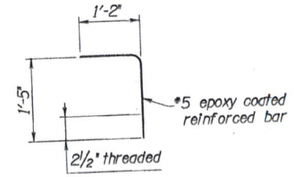
SECTION A-A



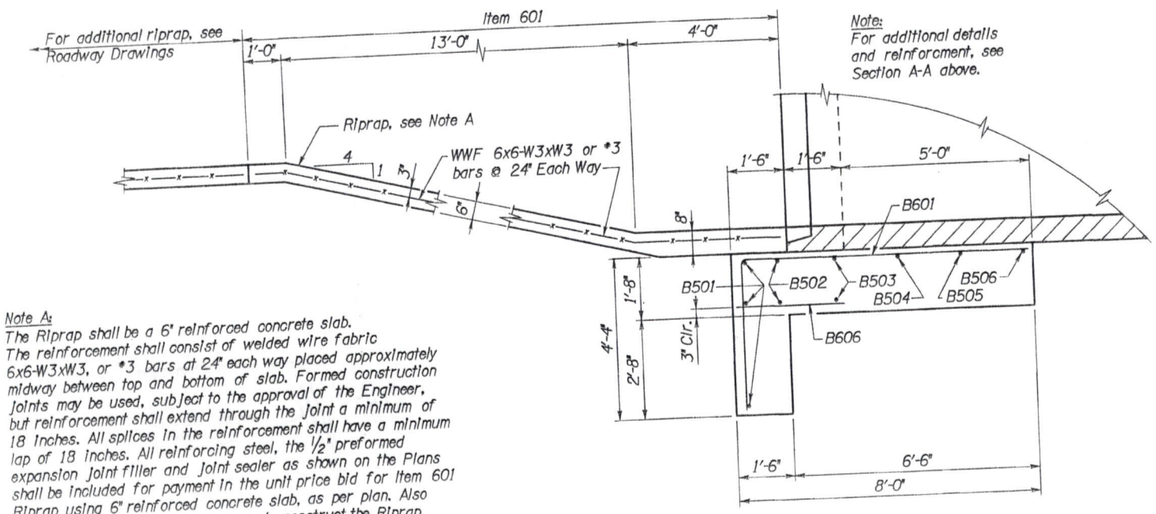
SECTION B-B



SECTION B_1-B_1



BENT BAR EXTENSION DETAIL



Note:
For additional details and reinforcement, see Section A-A above.

SECTION A_1-A_1

Note A:
The Riprap shall be a 6" reinforced concrete slab. The reinforcement shall consist of welded wire fabric 6x6-W3xW3, or #3 bars at 24" each way placed approximately midway between top and bottom of slab. Formed construction joints may be used, subject to the approval of the Engineer, but reinforcement shall extend through the joint a minimum of 18 inches. All splices in the reinforcement shall have a minimum lap of 18 inches. All reinforcing steel, the 1/2" preformed expansion joint filler and joint sealer as shown on the Plans shall be included for payment in the unit price bid for Item 601 Riprap using 6" reinforced concrete slab, as per plan. Also all excavation and/or fill necessary to construct the Riprap to the lines shown on the Plans shall be included in the unit price bid for Item 601 Riprap using 6" reinforced concrete slab, as per plan.

CALCULATED GJW
CHECKED ADH

HEADWALL DETAILS

BUT-CR19-3.20

CONVENTIONAL SIGNS

County Line
Township Line
Section Line
Corporation Line or
Fence Line (existing) proposed
Center Line 352 353
Trees , Stumps , (to be removed)
Utility Poles : Telephone Power Light
Limited Access (only) LA
Right of Way RW
Limited Access & Right of Way LA - RW
Existing Right of Way Exist R/W
Property Line
Railroad or
Guardrail (existing) (proposed)
Construction Limits Construction Limits

INDEX OF SHEETS:

TITLE SHEET	
CENTERLINE SURVEY PLAT	1
PROPERTY MAPS	2-3
SCHEMATIC PLAN	4
SUMMARY SHEETS	5-14
DETAIL PLAN SHEETS	15-41
RAILROAD PLAT	42-43

UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764 (TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

PLAN PREPARED BY:

LJB
LOCKWOOD, JONES AND BEALS INC.
498 Circle Freeway Drive
Suite 236
Cincinnati, Ohio 45246
TEL: (513) 860-2255
FAX: (513) 860-2278

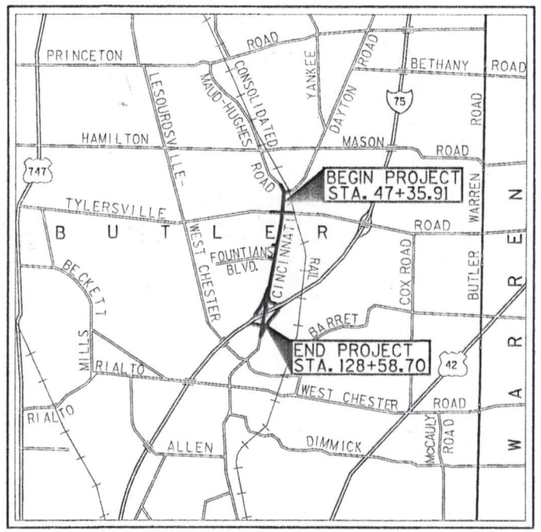
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

BUT-CR19-3.20

CINCINNATI-DAYTON ROAD

BUTLER COUNTY

RIGHT OF WAY



LOCATION MAP

SCALE IN MILES
0 1 2 3 4

PORTION TO BE IMPROVED
STATE & FEDERAL ROUTES
OTHER ROADS

RIGHT-OF-WAY PLANS

SCALE IN FEET

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

PROJECT DESCRIPTION

UPGRADING 1.73 MILES OF CINCINNATI-DAYTON ROAD (CR19) BY FULL DEPTH PAVEMENT, WIDENING AND RESURFACING, INCLUDING THE REPLACEMENT OF ONE BRIDGE OVER IR-75 AND SEVERAL TYPE A CULVERTS, NEW STORM SEWERS, CURB AND GUTTER, TRAFFIC CONTROL AND SIGNALS; RECONSTRUCTION OF VARIOUS LOCAL ROADS BY FULL DEPTH PAVEMENT, WIDENING AND RESURFACING, INCLUDING THE REPLACEMENT OF ONE CULVERT, NEW STORM SEWERS, CURB AND GUTTER, PAVED SHOULDERS AND TRAFFIC CONTROL.

ACQUIRING AGENCY: BUTLER COUNTY

LIMITED ACCESS

A PORTION OF THIS IMPROVEMENT HAS BEEN ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE REVISED CODE OF OHIO.

1997 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT FOR THE TIMES AND LOCATIONS NOTED ON SHEET 19 OF THE ROADWAY CONSTRUCTION PLANS AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED
DATE BUTLER COUNTY ENGINEER

APPROVED
DATE ASSISTANT DEPUTY DIRECTOR, OFFICE OF REAL ESTATE

APPROVED
DATE DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. STP-0. NH 75 01. & IM 75 01
PID NO. 7529
STATE PROJECT NO. 080410
RAILROAD INVOLVEMENT CONSOLIDATED RAIL CORP.
BUT-CR19-3.20
SEC.22.23.24, T-3, R-2
1

JN:75152 24 SEP 97 H:\DGN\S425\RAIL\S25BWIT.DGN

BUT-CR19-3.20
CINCINNATI-DAYTON ROAD
SECTIONS, 22, 23, 24 T-3,R-2
UNION TOWNSHIP
BUTLER COUNTY, OHIO

CENTERLINE MONUMENTS ARE TO BE SET DURING CONSTRUCTION AT THE FOLLOWING STATIONS AT A TOLERANCE OF ±0.02 FT.		
PROPOSED CINCINNATI-DAYTON ROAD (CR19)		
P.O.T.	46+56.22	1
P.O.T.	51+00.00	1
P.I.	56+69.57	1
P.O.T.	61+86.12	1
P.O.T.	61+90.60	1
P.O.T.	65+00.00	1
P.O.T.	70+00.00	1
P.O.T.	75+00.00	1
P.O.T.	80+00.00	1
P.O.T.	84+65.09	1
P.I.	87+72.62	1
P.O.T.	92+23.28	1
P.O.T.	92+60.28	1
P.I.	99+55.53	1
P.I.	104+63.69	1
P.O.T.	110+00.00	1
P.O.C.	115+00.00	1
P.O.C.	120+00.00	1
P.O.C.	125+00.00	1
P.O.T.	130+00.00	1
P.O.T.	135+00.00	1
P.O.T.	137+00.00	1
PROPOSED MAUD HUGHES (TR138)		
P.C.	7+22.55	1
P.I.	9+60.73	1
P.O.T.	15+00.00	1
P.O.T.	19+92.25	1
PROPOSED TYLERSVILLE ROAD (CR20)		
P.O.T.	291+00.00	1
P.O.T.	295+00.00	1
P.O.T.	305+00.00	1
P.O.T.	308+00.00	1
TOTALS		30

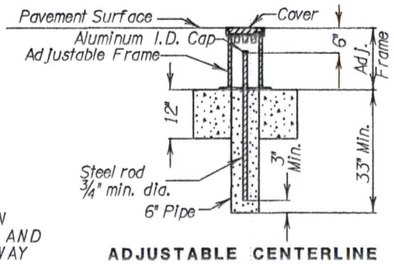
NOTES
BEARINGS SHOWN ARE ON ℄ CONSTRUCTION UNLESS OTHERWISE NOTED.

BASIS FOR BEARINGS:
ALL BEARINGS SHOWN ARE FOR PROJECT USE ONLY. THESE BEARINGS ARE BASED UPON AN ASSUMED AZIMUTH FROM A SURVEY PERFORMED BY LOCKWOOD, JONES & BEALS, INC. OVER A PERIOD FROM 1990 TO 1997.

THE EXISTING R/W WIDTH AND LOCATION WAS DETERMINED USING RECORDED BUTLER COUNTY SUBDIVISION PLATS & FIELD SURVEY LOCATION OF EXISTING PHYSICIAL MONUMENTATION. ALSO, BUTLER COUNTY RECORDS IDENTIFY CIN-DAY ROAD AS A 3¼ ROAD, WHICH ODOT DEFINES AS HAVING 66' OF RIGHT OF WAY.

MONUMENT LEGEND
- ⊗ R.R. SPIKE FOUND
- ○ I.P. FOUND
- ◇ P.K. NAIL FOUND
- ■ PROPOSED MONUMENT BOX

LIMITED ACCESS *
A PORTION OF THIS IMPROVEMENT HAS BEEN ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN IN ACCORDANCE THE PROVISIONS OF SECTION 5511.02 OF THE REVISED CODE OF OHIO.



ADJUSTABLE CENTERLINE MONUMENT DETAIL

CENTERLINE MONUMENTS ARE SHOWN ON STANDARD CONSTRUCTION DRAWING MC-1 (REV. 6-13-69) OF THE OHIO DEPARTMENT OF TRANSPORTATION. THE PLACING OF THE MONUMENTS SHALL BE UNDER THE DIRECTION OF A REGISTERED SURVEYOR AND ARE TO BE SET, AS SHOWN, BY THE HIGHWAY CONTRACTOR AT THE TIME OF CONSTRUCTION. ANY ALTERATIONS, WITH PRIOR APPROVAL OF THE DEPARTMENT OF TRANSPORTATION, SHALL BE NOTED AND O.D.O.T. SHALL BE NOTIFIED OF THE NEW LOCATIONS.

I hereby certify that this is a true delineation of a survey made for the Ohio Department of Transportation in 1995 by Lockwood, Jones and Beals, Inc.

Warren A. Julg S-7822 Date 9-11-97
Registered Surveyor No.

STATE OF OHIO — WARREN A. JULG 7822 — REGISTERED PROFESSIONAL SURVEYOR

RECEIVED _____, 19__
RECORDED _____, 19__
BOOK _____ PAGE _____
COUNTY RECORDER

CURVE DATA
Curve No. 1
P.I. STA. 56+69.57
Δ=21°22'30", Rt.
Dc=4°00'00"
R=1432.39'
T=270.33'
L=534.38'
E=25.29'
e_{max}=0.046'/'

Curve No. 2
P.I. STA. 87+72.62
Δ=3°06'50", Rt.
Dc=0°52'30"
R=6548.09'
T=177.98'
L=355.87'
E=2.42'

Curve No. 3
P.I. STA. 99+55.53
Δ=1°58'22", Lt.
Dc=0°52'30"
R=6548.09'
T=112.73'
L=225.43'
E=0.97'

Curve No. A-1
P.I. STA. 0+54.92
Δ=40°13'16", Rt.
Dc=38°11'50"
R=150.00'
T=54.92'
L=105.30'
E=9.74'

Curve No. A-2
P.I. STA. 8+08.55
Δ=13°52'39", Rt.
Dc=3°49'11"
R=1500.00'
T=182.55'
L=363.31'
E=11.07'

Curve No. E-3
P.I. STA. 9+83.23
Δ=36°31'05", Rt.
Dc=5°00'00"
R=1145.92'
Ls=200.00'
θs=5°00'00"
LT=133.39'
ST=66.72'
x=199.85'
y=5.81'
k=99.97'
p=1.45'
Δc=26°31'05", Rt.
Lc=530.36'
Ts=478.49'
Es=62.26'
e_{max}=0.083'/'.

Curve No. B-1
P.I. STA. 0+12.85
Δ=104°13'10", Rt.
Dc=572°57'28"
R=10.00'
T=12.85'
L=18.19'
E=6.28'

Curve No. B-2
P.I. STA. 0+75.40
Δ=62°38'48", Lt.
Dc=60°57'11"
R=94.00'
T=57.21'
L=102.78'
E=16.04'

Curve No. C-1
P.I. STA. 0+26.72
Δ=83°22'26", Rt.
Dc=190°59'09"
R=30.00'
T=26.72'
L=43.65'
E=10.17'

Curve No. C-2
P.I. STA. 0+93.84
Δ=21°51'00", Lt.
Dc=22°02'13"
R=260.00'
T=50.19'
L=99.15'
E=4.80'

Curve No. 4
P.I. STA. 104+63.69
Δ=2°00'00", Rt.
Dc=0°52'30"
R=6548.09'
T=114.30'
L=228.56'
E=1.00'

Curve No. 5
P.I. STA. 119+23.02
Δ=29°16'08", Rt.
Dc=2°15'00"
R=2546.48'
T=664.94'
L=1300.84'
E=85.38'
e_{max}=0.033'/'

Curve No. 6
P.I. STA. 9+60.73
Δ=9°30'20", Rt.
Dc=2°00'00"
R=2864.79'
T=238.19'
L=475.28'
E=9.88'
e_{max}=0.030'/'

Curve No. E-1
P.I. STA. 0+68.91
Δ=39°55'00", Rt.
Dc=34°56'11"
R=164.00'
T=59.56'
L=114.26'
E=10.48'

Curve No. E-2
P.I. STA. 2+76.98
Δ=44°19'00", Lt.
Dc=27°56'57"
R=205.00'
T=83.49'
L=158.56'
E=16.35'

Curve No. E-4 (E/P)
P.I. STA. 10+51.00; 37.63' Lt.
Δ=31°31'05", Rt.
Dc=4°35'25"
R=1248.18'
T=352.23'
L=686.61'
E=48.75'

Curve No. F-1
P.I. STA. 0+10.00
Δ=90°00'01", Rt.
Dc=572°57'28"
R=10.00'
T=10.00'
L=15.71'
E=4.14'

Curve No. F-2
P.I. STA. 1+42.22
Δ=94°24'01", Lt..
Dc=60°57'11"
R=94.00'
T=101.51'
L=154.87'
E=44.35'

Curve No. G-1
P.I. STA. 0+30.00
Δ=90°00'00", Rt.
Dc=190°59'09"
R=30.00'
T=30.00'
L=47.12'
E=12.43'

Curve No. G-2
P.I. STA. 2+19.49
Δ=53°30'00", Lt.
Dc=22°02'13"
R=260.00'
T=131.05'
L=242.78'
E=31.16'

HORIZONTAL SCALE IN FEET
0 200 400 800

FEDERAL PROJECT NO. STP-0 NH 75 01 IM 75 01

STATE PROJECT NO. 080410

CENTERLINE PLAT

BUT-CR19-3.20

1 / 43

566 / 640

21-SEP-97 jm \\BDN\6429\RW\6429PCP.DGN

BUT-CR19-3.20
CINCINNATI-DAYTON ROAD
SECTIONS, 22, 23, 24 T-3,R-2
UNION TOWNSHIP
BUTLER COUNTY, OHIO

UTILITIES

ELECTRIC
CINCINNATI GAS & ELECTRIC COMPANY
204 GARVER ROAD
MONROE, OHIO 45050
(513)287-1509

TELEPHONE
CINCINNATI BELL TELEPHONE
201 E. FOURTH STREET
P.O. BOX 2301
CINCINNATI, OHIO 45201-2301
(513)565-7043

U.S. SPRINT
465 QUEENSGATE ROAD
SPRINGBORO, OHIO 45066
(513)222-0201

AT & T
2716 E. SPRING VALLEY-PAINTERSVILLE ROAD
XENIA, OHIO 45385
(513)376-2904

GAS
CINCINNATI GAS & ELECTRIC COMPANY
4TH AND MAIN STREETS
ROOM 460A
CINCINNATI, OHIO 45202
(513)287-1264

WATER
BUTLER COUNTY DEPARTMENT
OF ENVIRONMENTAL SERVICES
130 HIGH STREET
HAMILTON, OHIO 45011
(513)887-3061

SANITARY SEWER
BUTLER COUNTY DEPARTMENT
OF ENVIRONMENTAL SERVICES
130 HIGH STREET
HAMILTON, OHIO 45011
(513) 887-3061

CABLE TELEVISION
WARNER CABLE
11252 CORNELL PARK DRIVE
CINCINNATI, OHIO 45242
(513)489-5000

REFERENCE POINT
INFORMATION IS
CONTAINED IN THE
CONSTRUCTION PLAN.

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 O.R.C.

STRUCTURE KEY
RESIDENTIAL BUILDING
COMMERCIAL BUILDING
OFFICE BUILDING

BEGIN PROJECT STA. 47+35.91 CINCINNATI-DAYTON RD. (CR19)

BUT-CR 19-3.20

BEGIN WORK STA. 41+85.00 CINCINNATI-DAYTON RD. (CR19)

BEGIN R/W ACQUISITION STA. 45+62.36 CINCINNATI-DAYTON RD. (CR19)

BEGIN WORK STA. 6+00 MAUD HUGHES RD.

BEGIN R/W ACQUISITION STA. 7+05 MAUD HUGHES RD.

BEGIN R/W ACQUISITION STA. 599+07.15 SHAWNEE LN.

BEGIN WORK STA. 599+10.00 SHAWNEE LN.

END R/W ACQUISITION STA. 308+00.00 TYLERSVILLE RD.

END WORK STA. 308+50.00 TYLERSVILLE RD.

BEGIN WORK STA. 290+00.00 TYLERSVILLE RD.

BEGIN R/W ACQUISITION STA. 291+25.46 TYLERSVILLE

BEGIN R/W ACQUISITION STA. 497+15.88 LAKELAND CT.

BEGIN WORK STA. 496+70 LAKELAND CT.

CINCINNATI-DAYTON ROAD (CR19)

MAUD HUGHES ROAD (TR 138)

SHAWNEE LANE

SECOND ST.

LAKELAND CT.

TYLERSVILLE ROAD (CR20)

SECTION 24

SECTION 23

TRIBUTARY TO GREGORY CREEK

GREGORY CREEK

EX. R/W FOR RAILROAD

EX. 50' R/W

EX. 60' R/W

EX. 66' R/W

EX. 70' R/W

EX. R/W

24' C.G. &E. Easement
Cincinnati Gas and Electric Co.
D.B. 956, Page 537

Sanitary Easement
D.B. 1203 PG 63

Charles T. Reynolds Sr. & Verna H. Reynolds
Sanitary Easement
D.B. 1229, Page 210

George Hardin & Joan M. Hardin

20' Sanitary Easement
D.B. 1210 PG 187
Parcel A

20' Sanitary Easement
D.B. 1210 PG 187
Parcel B

30' Ingress/Egress Easement

15' C.G. & E. EASEMENT D.B. 956 PG 542

The Cincinnati Gas & Electric Company
D. B. 33, Page 438
Easement EX. R/W FOR RAILROAD

20' AT&T Easement
Plat 2D Page 72

Northridge Subdivision
P. B. 14 Page 9

Lakeland Subdivision
P. B. 14, Page 9

The Maples Subdivision
PLAT 28
PAGE 57

Ingress/Egress Easement
D.B. 1496, Page 702

Russell R. & Lucy J. Owens

Ronald P. Fay & Tina M. Fay

MATCH LINE STA.85+00 SEE SHEET 3.

1	Consolidated Rail Corporation
2	George R. Ritchie & Sharon L. Ritchie
3	Hills Building and Construction Services No. 2, Inc.
4	Ralph McSwain & Jonalee McSwain
5	Splash-N-Dash, Inc.
6	Kimberly J. Megginson
7	George J. Ghizas
8	Dollar Federal Savings & Loan Assn. of Hamilton, Ohio
9	Elias & Helen Anagnostou
10	K J & J Partnership, An Ohio General Partnership
11	The Cincinnati Gas & Electric Company
12	William A. Thorman, Jr. & Irene P. Thorman
13	Guenther Olbrich
14	Fayette Funding Ltd.
15	Paul W. Powell
16	West Chester Prof. Office Condos
17	Darvin L. Mueller & Brenda K. Mueller
18	B.H.S., Inc.
19	Orpha Labadie
20	Cheri Rose
21	Lakota Plaza Limited
22	Maud Investment Group, Inc.
23	Shirley Raye Henry
24	Thomas L. Burkel & Tami L. Burkel
25	Phyllis Norvell
26	Bonnie M. Anderson, Unmarried
27	Aline C. Moore
28	Donald P. & Frances A. Shafer
29	Glenn A. & Betty Jane Austing
30	William E. & Judy Lynn Murphy
31	Robert M. & Andrea H. Pfister
32	Larry R. Inkrott
33	Robert M. & Andrea Pfister
60	James K. Brockman & Jacqueline A. Brockman
61	Ronald Dean Shewmaker & Evelyn P. Shewmaker, Husband and Wife
62	Helen Sue Fleenor Mary Lou Fleenor
63	Wren-Tal Enterprises, Inc.
64	Milton Gene Hutsenpiller, et al.
65	Tylersville Junction Condominiums
66	Richard D. Arter & Sandra S. Arter
67	Steven R. Moore and Jacqueline Moore
68	Rob D. Parrish, Unmarried
69	Hasood and Shkila T. Ahmad, Husband and Wife
70	Gary M. Jump & Pamela Jump, Husband and Wife
71	James O. Denier & Mary L. Denier, Husband and Wife
72	James O. Denier & Mary L. Denier, Husband and Wife

REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

N

0 200 400
HORIZONTAL SCALE IN FEET

FEDERAL PROJECT NO. STO-0, NH 75 01, & IM 75 01

STATE PROJECT NO. 080410

PROPERTY MAP

BUT-CR19-3.20

2 / 43

567 / 608

BUT-CR19-3.20
CINCINNATI-DAYTON ROAD
SECTIONS. 22, 23, 24 T-3,R-2
UNION TOWNSHIP
BUTLER COUNTY, OHIO

STRUCTURE KEY
RESIDENTIAL BUILDING
COMMERCIAL BUILDING
OFFICE BUILDING

CONVENTIONAL SIGNS
County Line
Township Line
Section Line
Corporation Line
Fence Line (existing) proposed
Center Line
Trees, Stumps, (to be removed)
Utility Poles: Telephone Power Light
Limited Access (only) LA
Right of Way RW
Limited Access & Right of Way LA - RW
Existing Right of Way Exist R/W
Property Line (in existing fence)
Railroad
Guardrail (existing) (proposed)

SECTION 23 / SECTION 22

MATCH LINE STA.85+00 SEE SHEET 2.

Northridge Subdivision P. B. 14, Page 9

Harvey Warwick Subdivision P. B. 14, Page 127

CINCINNATI-DAYTON ROAD (CR19)

EX.R/W 87' R/W

EX.R/W 95 100 R/W 105 110 115 120 125 130 135

Butler County Commissioners

15' Slope Easement

FOUNTAINS BLVD.

BEGIN R/W ACQUISITION STA. 398+50 FOUNTAINS BLVD. E.B.

BEGIN WORK STA. 397+85 W.B. STA. 397+85 E.B. FOUNTAINS BLVD.

10' UTILITY EASEMENT

EX. 90' R/W

D.B. 1489, Page 198 INGRESS AND EGRESS EASEMENT

Chester Pike Country Inn, Inc. D.B. 1621, Page 518 EASEMENT NO. 1 (30' WIDE) INGRESS AND EGRESS

BEGIN LIMITED ACCESS RIGHT OF WAY

EX.LA-R/W

RAMP C

RAMP B

RAMP A

Leon L. Metford and Virginia A. Metford

210 205 200 195 190 185 165

15 RAMP E

10 EX.LA-R/W

57B

RAMP F

5 LA R/W

END LIMITED ACCESS RIGHT OF WAY

END PROJECT STA. 128+58.70 CINCINNATI-DAYTON RD. (CR19)

BUT-CR 19-3.20

END R/W ACQUISITION STA. 7+22.00 RAMP E

END R/W ACQUISITION STA. 137+08.00 CINCINNATI-DAYTON RD. (CR19)

END WORK STA. 139+04 CINCINNATI-DAYTON RD. (CR19)

LA R/W 135

57 RAMP G

57A

59

EX. 63.5' R/W

EX.R/W

EX.LA-R/W

EX. I-75

34 Robert & Shirley Anne Chaney
35 Carol A. Beckham
36 Elroy & Dorthy Stephens
37 Karl G. & Regina A. Woods
38 Richard Paul Michaelson, Unmarried
39 David E. & Jo Ann S. Smith
40 The Cincinnati and Suburban Bell Telephone Company
41 John & Martha Holmes
42 Eleftherios D. Traiforos & Magdalema C. Traiforos
43 Thomas J. McGill & Charles W. Chappell
44 Thomas J. McGill, Tr.
45 Robert W. & Nyla Kramer, Trustee
46 Steven C. Faber, Trustee & Russell L. Faber, Trustee
47 Herman R.& Velva L. Watkins
48 D. H. J. Keehner, Inc.
49 Union Station/Summit Limited Partnership
50 Cin - Day Ltd.
51 Jack L. Tucker
51A Sharrington Foods, Inc.
52 Lindvest, An Ohio Partnership
53 New Highland Greens Associates Limited Partnership
54 Shell Oil Company
55 Vinu A. Patel, Smita V. Patel, Bhalchanra M. Desai, & Jyoti B. Desai
56 Thomas J. Osterman, Walter E. Martin, Edmund C. Carey, and Norma L. Gould
57A John E. Sulfsted
57B John E. Sulfsted
58 Helen Bruson Frankel
59 Evelyn Kline

REV.	DATE	DESCRIPTION
1	9/17/98	Rev. 48, 49, & 50
DATE OF COMPLETION		

HORIZONTAL SCALE IN FEET
0 100 200 400

FEDERAL PROJECT NO. STO-0, NH 75 01.4 IM 75 01

STATE PROJECT NO. 080410

PROPERTY MAP

BUT-CR19-3.20

3 / 43

568 / 608

...\6426\rw\6426rwp2.dgn Oct. 28, 2000 13:43:45

BUT-CR19-3.20

SECTIONS, 22, 23, 24 T-3,R-2
UNION TOWNSHIP
BUTLER COUNTY, OHIO

BEGIN PROJECT
STA. 47+35.91
CINCINNATI-DAYTON RD.
(CR19)
BUT-CR 19-3.20

END PROJECT
STA. 128+58.70
CINCINNATI-DAYTON RD.
(CR19)
BUT-CR 19-3.20

SECTION 24
SECTION 23

SECTION 23
SECTION 22

℄ CINCINNATI-DAYTON ROAD (CR19)

CONSOLIDATED RAIL CORPORATION

℄ MAUD HUGHES ROAD (TR 138)

GREGORY CREEK

SHAWNEE LANE

TRIBUTARY TO GREGORY CREEK

℄ TYLERSVILLE ROAD (CR20)

SECTION 24
SECTION 23

LAKELAND ST.

FOUNTAINS BLVD. WESTBOUND

FOUNTAINS BLVD. EASTBOUND

℄ RAMP C

℄ RAMP D

℄ RAMP F

℄ RAMP E

℄ RAMP B

℄ RAMP A

℄ RAMP G

℄ I-75

42 43 34 35 36 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 37 38 40 41

310 305 290 60 55 70 75 80 85 90 95 100 105 110 115 120 125 130 135

HORIZONTAL SCALE IN FEET
0 200 400 800

PID NO. 7529

R/W SCHEMATIC PLAN

BUT-CR19-3.20

4 / 43

569
608

18:03:39 84 SEP '97 H:\DGN\6429\PW\6429RSCH.DGN

BEGIN WORK
STA. 41+85.00 *
CINCINNATI-DAYTON RD.

*FOR WORK NOT SHOWN ON THIS SHEET, REFERENCE TRAFFIC SIGNAL DETAILS.

BEGIN PROJECT
STA. 47+35.91
CINCINNATI-DAYTON RD.
(CR19)

BUT-CR 19-3.20

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 24, T-3, R-2

BEGIN R/W ACQUISITION
STA. 45+62.36
CINCINNATI-DAYTON RD.

BEGIN R/W ACQUISITION
STA. 599+07.15
SHAWNEE LANE

BEGIN WORK
STA. 599+10.00
SHAWNEE LANE

Sta. 18+00 - For Continuation, See Sheet 36.

STA. 50+00 - For Continuation, See Sheet 16.

EX. 66' R/W
EX. 33' R/W
EX. 33' R/W
EX. R/W
EX. R/W FOR RAILROAD
S 68°13'48" W
M/R
45+00
Ex. RR Tracks (Overpass)
Consolidated Rail Corporation
1 Consolidated Rail Corporation
Ex. AT&T Und. Fiber Optic Cable
Ex. Tel. MH AT&T 239-5
Ex. Tel. MH AT&T 239-6
1T
+62.36
89.21
+30
70.36
S 49°02'47" E
37.45
18.70'
63.32
70.54
EX. R/W FOR RAILROAD
S 19°07'54" E
R\W
1734.34'
EX. R/W FOR RAILROAD
Construction Limits (Typ.)
33.32'
Ex. Tel. MH US Sprint OH Of 724
Ex. SPRINT Und. Fiber Optic Cable
Ex. Wire Fence
Ex. Traf. Ctrl. Box
Ex. Sign
℄ PROP. CINCINNATI-DAYTON ROAD (CR19) 45+00
℄ Construction
EX. R/W
(9) Ducts
Ex. Sign
Ex. OBT #11459
Ex. San MH
93°15'10"
82°53'17"
47+00
℄ PROP. MAUD HUGHES ROAD 19+00
℄ Construction
EX. R/W
(2) Ducts
N 19°07'54" W 1195.99'
48+00 ℄ PROP. CINCINNATI-DAYTON ROAD (CR19) 19+00
℄ Construction
N 19°07'54" W 1022.50'
EX. 33' R/W
EX. 83' R/W
EX. 50' R/W
(6) Ducts
Ex. Traf. Ctrl. Box
Ex. Sign
+57.20
19.26
Ex. Conc. Ducts
Ex. Sign
Ex. Conc. Ducts
Ex. Sign
Ex. Sign
Ex. Conc. Ducts
Ex. Sign
Ex. Sign
Ex. Sign

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 24, T-3, R-2

EX. R/W FOR RAILROAD

(1) Consolidated Rail Corporation

S 19°07'54" E
1734.34'

Z R\W Z Z Z Z R\W Z

EX. R/W FOR RAILROAD

+40.97
75.53

(1)

+78
62.80

S 1°44'21" W 40.86'

R\W

Construction Limits (Typ.)

Ex. SPRINT Und. Fiber Optic Cable

Ex. Sign

EX. R/W

EX.R/W

℄ PROP. CINCINNATI-DAYTON ROAD (CR19) 51+00

Ex. Sign 52+00

Ex. Sign Post

Ex. Sign

53+00

℄ Construction 54+00

Sta. 50+00 - For Continuation, See Sheet 15.

STA. 55+00 - For Continuation, See Sheet 17.

S 19°07'54" E
1022.50'

(6) Ducts

(6) Ducts

Ex. Trat. W/ Ctrl. Box

Ex. Sign

Ex. Tel. MH #11498

15' C.G. & E. EASEMENT
D.B. 1956 PG 542

EX.R/W

+30
67.40

S 71°10'16" W
37.60'

R/W

27" San

Ex. San MH

+30
105

87.88'
S 18°49'44" E

Ex. HW

R/W

+17.88
105

San

Gregory Creek

S 19°07'54" E 641.04'

Construction Limits (Typ.)

S 14°07'44" E
182.74'

20' SANITARY EASEMENT
D.B. 1210 PG 187

PARCEL A

S 21°10'22" E
238.18'

R/W

+00
120

(3)

EX.R/W

(3) Hills Building and Construction Services No. 2, Inc.
D.B. 1780 PG. 104
M5620-390-000-061
2.821 Ac.
Lot 23

REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

HORIZONTAL SCALE IN FEET
0 10 20 40

FEDERAL PROJECT NO. STP-0.NH 75 01, & IM 75 01

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 50+00.00 TO STA. 55+00.00

BUT-CR19-3.20

16/43

581/608

CURVE DATA
Curve No. 1
P.I. STA. 56+69.57
Δ=21°22'30" Rt.
Dc=4°00'00"
R=1432.39'
T=270.33'
L=534.38'
E=25.29'
emax=0.046'/'

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 24, T-3, R-2

EX. R/W FOR RAILROAD

Ex. RR Tracks (Overpass) Consolidated Rail Corporation

1 Consolidated Rail Corporation

Ex. AT&T Und. Fiber Optic Cable

Sanitary Easement D.B. 1229, Page 210

Construction Limits (Typ.)

Ex. SPRINT Und. Fiber Optic Cable

Gregory Creek

EX. R/W

Ex. Sign

56+00 ℄ PROP. CINCINNATI-DAYTON ROAD (CR19) 57+00

15' C.G. & E. EASEMENT D.B. 956 PG 542

20' SANITARY EASEMENT San D.B. 1210 PG 187 PARCEL A

20' SANITARY EASEMENT San D.B. 1210 PG 187 PARCEL B

Ex. Detention Basin

Ex. Stone Wall

Ex. Water Hydrants

Ex. Bushes

Ex. CB

Ex. MH

Ex. Conc. Walk

Ex. Gas Trap

Ex. 2x2 CB

Ex. Poles /Riggers

Ex. Gas Marker

Und. Elec. (f/S Sprint)

Construction (Typ.) Limits

3 Hills Building and Construction Services No. 2, Inc.
D.B. 1780 PG. 104
M5620-390-000-061
2.821 Ac.
Lot 23

4 Ralph McSwain & Jonalee McSwain
D.B. 1723, PG. 347
M5610-025-000-054
2.874 AC.

*7773
Heritage Pharmacy
Walgreen's Drug Store
1 Sty. Blk. & Br. Com.

M5620-390-000-059
Lot 21

5 Splash-N-Dash, Inc.
D.B. 1664, Page 453
M5610-025-000-011
7,841 S.F.

Cincinnati Gas and Electric Co.
D.B. 956, Page 537
(32' Lt. Sta. 58+79)

*7770
Splash & Dash
Car Wash
1 sty. Br. Comm.

Splash-N-Dash, Inc.
D.B. 1664, PG. 453
M5610-025-000-001
56303 S.F.

6 M5620-390-000-059
Lot 21

Sta. 55+00 - For Continuation, See Sheet 16.

Sta. 60+00 - For Continuation, See Sheet 18.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 55+00.00 TO STA. 60+00.00

BUT-CR19-3.20

STATE PROJECT NO. 080410

FEDERAL PROJECT NO. STP-0, NH 75 01 & IM 75 01

HORIZONTAL SCALE IN FEET

17 / 43

582 / 608

Sta. 302+00, For Continuation, See Sheet 39.

EX. R/W FOR RAILROAD

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 24, T-3, R-2

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

*7770
Splash & Dash
Car Wash
1 sty. Br. Comm.

Splash-N-Dash, Inc.
D.B. 1664, PG. 453
M5610-025-000-001
56303 S.F.

*7804
Dollar Federal Savings & Loan Assn. of Hamilton, Ohio
1 Sty. Br. Comm.

Dollar Federal Savings & Loan Assn. of Hamilton, Ohio
D. B. 1231, PG. 318
M5640-024-000-032
57064 S.F.

*6894
Dairy Mart
M5610-025-000-048
12545 S.F.

*6892
Little Ceasar's Pizza
M5610-025-000-062
10672 S.F.
1 Sty. Blk & St. Comm.

*6890
Prime Valet Cleaners

Kimberly J. Megginson
D.B. 1654, PG. 127
M5610-025-000-061
14331 S.F.

M5610-025-000-049
12066 S.F.

George J. Ghizas
D.B. 1688, PG. 745
M5610-024-000-033
39073 S.F.

*7809
Lakota Hills Auto Service
Sunoco Station
1 Sty. Br. Comm.

Elias & Helen Anagnostou
D. B. 1785, PG. 79
M5610-024-000-062
27138 S.F.
*7831 1 Sty. Blk. Comm. *7835
Domino's Pizza International Groceries

PROP. TYLERSVILLE ROAD
SECTION 24
SECTION 23

Easement For Road Purposes
D.B. 1004, Page 188

PROP. CINCINNATI-DAYTON RD. (CR19)

Construction Limits (Typ.)

Sta. 60+00 - For Continuation, See Sheet 17.

Sta. 298+00 - For Continuation, See Sheet 38.

Sta. 65+00 - For Continuation, See Sheet 19.

HORIZONTAL SCALE IN FEET

FEDERAL PROJECT NO. STP-0.NH 75 01. & IM 75 01

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 60+00.00 TO STA. 65+00.00

BUT-CR19-3.20

18/43

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REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

Anglio's
1 Sty. Conc.
Comm.

Blue Cactus
1 Story Conc.
Comm.

ACE Hardware
1 Sty. Conc.
Comm.

K J & J Partnership
An Ohio General Partnership
D. B. 5213, PG. 433
M5640-024-000-061
65227 S.F.
Part of Lot 117

K J & J Partnership
An Ohio General Partnership
D. B. 5274, PG. 432
M5640-024-000-031
Part of Lot 117
17367 S.F.

The Cincinnati Gas & Electric Company
D. B. 33, Page 438
Easement

K J & J Partnership
An Ohio General Partnership
D. B. 5213, PG. 433
M5640-024-000-057
Part of Lot 117
12480 S. F.

Guenther Olbrich
D. B. 1525, PG. 206
M5640-024-000-070
Part of Lot 117
12482 S.F.

*7886
Guenthers Steak House
1 Sty. Fr. Comm.

Guenther Olbrich
D. B. 1525, PG. 206
M5640-024-000-030
Part of Lot 117
14979 S.F.

West Chester Prof. Office Condos
M5640-276-000-001
THRU
M5640-276-000-025
161,521 S.F.

*7908
West Chester
Office Complex
1 Sty. Br.

The Cincinnati Gas & Electric Company
D. B. 853, PG. 423
M5610-024-000-034
55365 S.F.

*7865
Amazon Pets
1½ Sty. Blk.
& Siding Comm.

William A. Thorman, Jr. &
Irene P. Thorman
D.B. 1797, PG. 506
M5620-126-000-001
15719 S.F.

*7875
Valvoline
1 Sty. Blk.
Comm.

Fayette Funding Ltd.
D.B. 1760, PG. 373
Lot #2
M5620-126-000-002
15989 S.F.

*7887
Paul W. Powell Contractor

Paul W. Powell
D.B. 6037, PG. 462
M5620-126-000-003
Lot #3
20935 S.F.

Construction Limits (Typ.)

Sta. 65+00 - For Continuation, See Sheet 18.

Sta. 70+00 - For Continuation, See Sheet 20.

PROP. CINCINNATI-DAYTON RD. (CR19)

REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
BUT-CR19-3.20
STA. 65+00.00 TO STA. 70+00.00

STATE PROJECT NO. 080410
FEDERAL PROJECT NO. STP-0.NH 75 01. & IM 75 01

HORIZONTAL SCALE IN FEET

19/43

584/608

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

16
West Chester Prof. Office Condos
M5640-276-000-001
THRU
M5640-276-000-025
161,521 S.F.

20' AT&T Easement Plat 2D Page 72

*7908
West Chester
Office Complex
1 Sty. Br.

Concrete Divider Wall

19
Orpha Labadie
D.B. 6050, PG. 1662
M5610-024-000-027
11.836 Ac.

20
Cheri Rose
D.B. 5467, PG. 741-742
M5640-024-000-029
24699 S.F.

*7950
1 Sty. Fr. Comm.
Lakota Drive-Thru

Ex. Shed

Handicap Ramp

9 Parking Spaces

Ex. Billboard

Ex. RR Ties

Ex. Pylon Planter Box

Ex. Walk

Ex. Gas Fills

Ex. Sign

Ex. Planter

Ex. Air Pump

Ex. Vac

Ex. Tel. Pedestal

Ex. Ret. Wall

Ex. Pool-&-Chain Fence

Ex. Conc. Pillar and Wall

Ex. WM

Ex. Water MH

Ex. San MH Not Fd.

Ex. 10BT MH 10487

Ex. 6BT MH 11756

Ex. 2x2 CB

Ex. 2' Dia. CB

Ex. Gravel Drive

Asphalt

Asphalt/Gravel

Concrete

Conc. Walk

Construction Limits (Typ.)

Construction ℄ PROP. CINCINNATI-DAYTON RD. (CR19)

Sta. 70+00 - For Continuation, See Sheet 19.

Sta. 75+00 - For Continuation, See Sheet 21.

S 2°32'46" W 275.27'

S 2°32'46" W 275.28'

S 2°33'24" W 275.31'

S 2°33'24" W 100.00' Ex. R/W

S 2°33'24" W 467.10'

S 2°32'46" W 467.11'

S 2°32'46" W 111.69'

S 2°32'46" W 100.00'

S 2°32'46" W 165.00'

S 2°32'46" W 234.92'

S 2°32'46" W 63.51'

S 4°56'59" W 44.47'

S 4°56'59" W 170.12'

S 84°49'36" E

S 84°24'53" E

S 8°17'23" W 99.92'

S 83°57'47" E

S 83°58'36" E 57.11'

S 5°51'55" E 52.64'

S 8°27'14" E 115.00'

N 8°27'14" W 115.00'

S 84°35'30" E 20.02'

N 84°35'36" W

Darvin L. Mueller &
Brenda K. Mueller
D.B. 1658, PG. 461
M5620-126-000-004
Lot No. 4
19565 S.F.

*7897
Maple Lane Auto
1 sty. Blk. Comm.

18
B.H.S., Inc.
D.B. 1745, PG. 242
M5620-126-000-005
Lot *5
19951 S.F.

*7907
Allstate Insurance
Sandys Health Food
Sykes Hank Insurance
1 Sty. Br. & Blk. Comm.

15
Paul W. Powell
D.B. 6037, PG. 460
M5610-024-000-045
293115 S.F.

15-1

21
Lakota Plaza Limited
D.B. 1496, Page 702
M5610-024-000-040
4.0949 A.

Ameristop Food Mart
1 Sty. Br. Comm.

11 Gas Fill Covers
3 U. G. Tanks
Pump Island
5 Parking Spaces
13 Parking Spaces
6 Parking Spaces
4 Parking Spaces

Darvin L. Mueller & Brenda K. Mueller D.B. 1658, PG. 461 M5620-126-000-004 Lot No. 4 19565 S.F.

B.H.S., Inc. D.B. 1745, PG. 242 M5620-126-000-005 Lot *5 19951 S.F.

Paul W. Powell D.B. 6037, PG. 460 M5610-024-000-045 293115 S.F.

Lakota Plaza Limited D.B. 1496, Page 702 M5610-024-000-040 4.0949 A.

REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

N

HORIZONTAL SCALE IN FEET

FEDERAL PROJECT NO. STP-0.NH 75 01, & IM 75 01,

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 75+00.00 TO STA. 70+00.00

BUT-CR19-3.20

20/43

585/608

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

19 Orpha Labadie
D.B. 6050, PG. 1662
M5610-024-000-027
11.836 Ac.

24 Thomas L. Burkel &
Tami L. Burkel
D. B. \1750, PG. 176
M5610-024-000-026
43560 S.F.

25 Phyllis Norvell
D.B. 5371, Page 606
M5610-024-000-025
1.195 A.

21 Lakata Plaza Limited
D.B. 1496, PG. 702
M5610-024-000-040
4.095 Ac.

22 Maud Investment Group, Inc.
D.B. 5208, PG. 57-60
M510-024-000-085
32,496 S.F.

23 Shirley Raye Henry
D.B. 5309, PG. 559
M5610-024-000-043
15028 S.F.

Shirley R. Henry
D.B. 5309, PG. 566
Lot #8
M5620-127-000-012
26380 S.F.

D.B. 5309, PG. 559
M5610-024-000-044
741 S.F.

*7974
*7984 1 Sty. Blk. Resid.
*7990 1 Sty. Blk. Resid.
*7991 1 Sty. Siding Resid.
*7969 1 Sty. Br. & Siding Comm.
*8003 1½ Sty. Br. Resid.

Sta. 75+00 - For Continuation, See Sheet 20.
Sta. 80+00 - For Continuation, See Sheet 22.

78+00 ℄ PROP. CINCINNATI-DAYTON RD. (CR19) 79+00
76+00 ℄ Construction
77+00

Construction Limits (Typ.)
Ingress/Egress Easement D.B. 1496, Page 702

S 2°32'46" W 110.52'
S 15°47'12" W 52.39'
S 2°32'46" W 241.74'
S 2°32'46" W 403.03'
S 2°33'24" W 467.10'
S 2°33'24" W 401.76'
S 2°32'46" W 184.00'
S 2°32'46" W 70.51'
S 2°32'46" W 58.49'
S 2°32'46" W 154.48'
S 2°32'46" W 81.00'
S 2°32'46" W 14.72'
S 2°32'46" W 44.77'
S 2°32'46" W 30.00'
S 2°33'24" W 155.00'
S 2°33'24" W 80.00'
S 2°33'25" W 30.00'
S 85°28'36" E
S 83°58'36" E
S 83°38'24" E 15.03'
N 87°27'14" W 15.00'
S 83°41'36" E
S 8°44'38" E 27.10'
S 85°40'15" W 43.52'

Ex. R/W
R/W
Ex. Woven Wire Fence
Ex. Sign
Asph. & Gravels
Conc. Walk
Gravel
Pasture
Ex. CB
Ex. Yard Drain
Ex. W.M.
Ex. Water Valve
Ex. Fire Hydrant
Ex. Utility Pole
Ex. Guy Anchor
Ex. Utility Box
Ex. Mail Box
Ex. Light Pole
Ex. Sanitary MH
Ex. Sanitary Manhole
Ex. Sanitary Cleanout
Ex. Storm Sewer
Ex. Storm MH
Ex. Storm Inlet
Ex. Storm Cleanout
Ex. Gas Valve
Ex. Gas Line
Ex. Gas Meter
Ex. Telephone Pedestal
Ex. Telephone Manhole
Ex. Telephone Line
Ex. Underground Electric
Ex. Overhead Electric
Ex. Underground Cable TV
Ex. Overhead Cable TV
Ex. Underground Communication
Ex. Overhead Communication
Ex. Underground Fiber Optic
Ex. Overhead Fiber Optic
Ex. Underground Gas
Ex. Underground Water
Ex. Underground Sanitary
Ex. Underground Storm
Ex. Underground Telephone
Ex. Underground Communication
Ex. Underground Fiber Optic
Ex. Underground Cable TV
Ex. Underground Electric
Ex. Overhead Electric
Ex. Overhead Communication
Ex. Overhead Fiber Optic
Ex. Overhead Cable TV
Ex. Overhead Gas
Ex. Overhead Water
Ex. Overhead Sanitary
Ex. Overhead Storm
Ex. Overhead Telephone
Ex. Overhead Communication
Ex. Overhead Fiber Optic
Ex. Overhead Cable TV

Bonnie M. Anderson
D.B. 5345, PG.650
M5610-024-000-024
*7998 29621 S.F.
1½ Sty. Br. Resid.

Aline C. Moore
D.B. 1029, PG. 337
Lot *9
M5620-128-000-001
40454 S.F.
*8000 1 Sty. Br. Resid.

Glenn A. & Betty Jane Austing
D.B. 842, PG. 368
Lot *8
M5620-128-000-002
38464 S.F.
*8002 - 1 Sty. Br. Resid.

Robert M. & Andrea H. Pfister
D.B. 6248, PG. 1301
Lot *7
M5620-128-000-003
38472 S.F.
*8004 - 1 Sty. Br. Resid.

Robert M. & Andrea Pfister
D.B. 6045, PG. 401
Lot *6
M5620-128-000-004
34481 S.F.
*8044 - 1 Sty. Br. Resid.

*8015
1 Sty. Br. Resid.

*8027
1 Sty. Br. Resid.

*8039
1 Sty. Br. Resid.

County of Butler
D.B. 6256, Page 945
0.041 A.

Larry R. Inkroff
D.B. 6065, PG. 946-947
Lot *4
M5620-127-000-016
25966 S.F.
*6882
1 Sty. Br. Resid.

Lakeland Subdivision
P. B. 14, Page 9

Shirley R. Henry
D.B. 5309, PG. 566
Lot *7
M5620-127-000-013
24812 S.F.

Donald P. & Frances A. Shafer
D.B. 1002, PG. 85
Lot *6
M5620-127-000-014
24836 S.F.

William E. & Judy Lynn Murphy
D.B. 1563, PG. 331
Lot *5
M5620-127-000-015
24859 S.F.

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

Sta. 80+00 - For Continuation, See Sheet 21.

Sta. 85+00 - For Continuation, See Sheet 23.

Sta. 497+50 - For Continuation, See Sheet 34.

℄ PROP. CINCINNATI-DAYTON RD. (CR19) 81+00

℄ Construction

℄ PROP. LAKELAND COURT

EX. R/W

EX. 50' R/W

Chord 28.20'
S 47°23'15" W
Arc = 31.30'
Radius = 20.00'

Chord 34.03'
S 42°36'41" E
Arc = 37.83'
Radius = 24.00'

Do Not Disturb

Basketball Hoop

Ex. Landscaping

Ex. Sign

Ex. Stone

Ex. Ret. Wall

Ex. Bush

Save

Asphalt

Concrete

Conc.

Planter

Ex. WM

Ex. GV

Ex. San MH

Ex. HW

Ex. WV

(13) Ducts

Construction Limits (Typ.)

N

0 20 40
HORIZONTAL SCALE IN FEET

FEDERAL PROJECT NO. STP-0, NH 75 01, & IM 75 01

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 80+00.00 TO STA. 85+00.00

BUT-CR19-3.20

22/43

587/608

REV.	DATE	DESCRIPTION

DATE OF COMPLETION

Robert & Shirley Anne Chaney
D.B. 822, PG.394
Lot #5
M5620-128-000-005
38489 S.F.

Elray & Dorthy Stephens
D.B. 1228, Page 145
Lot #4
M5620-128-000-006
38498 S.F.

Elray & Dorthy Stephens
D.B. 1228, Page 145
Lot #3
M5620-128-000-007
38507 S.F.

CURVE DATA
Curve No. 2
P.I. STA. 87+72.62
Δ = 3°06'50", Rt.
Dc= 0°52'30"
R= 6548.09'
T= 177.98'
L= 355.87'
E= 2.42'

David E. & Jo Ann S. Smith
D.B. 1289, Page 79
Lot #2
M5620-128-000-008
38515 S.F.

John & Martha Holmes
D.B. 780, Page 761
Lot #1
M5620-128-000-009
50912 S.F.

*8064
1 Sty. Sf. & Sdtng Resid.

*8084
1½ Sty. Br. & Fr. Resid.

*8094
1 Sty. Br. Resid.

*8075
1 Sty. Br. Resid.

*8087
Law Offices
Richard Paul Michaelson
1 Sty. Br. & Fr.

*8095
1 Sty. Alum. Siding Office

*6881
1 Sty. Br. Resid.

Butler County Commissioners
D.B. 6165, Page 977
0.039 A.

Butler County Commissioners
D.B. 5024, Page 579
0.039 A.

Carol A. Beckham
D.B. 1798, PG. 413
M5620-127-000-003
Lot #3
26004 S.F.

Karl G. & Regina A. Woods
D.B. 6140, Page 2087
Lot #2
M5620-127-000-002
23261 S.F.

Richard Paul Michaelson
D.B. 5000, Page 194
Lot #1
M5620-127-000-001
20941 S.F.

The Cincinnati and Suburban Bell Telephone Company
D.B. 658, Page 25
M5610-024-000-023
42384 S.F.

℄ PROP. CINCINNATI-DAYTON RD. (CR19)

℄ Construction

Construction Limits (Typ.)

Sta. 85+00 - For Continuation, See Sheet 22.

Sta. 90+00 - For Continuation, See Sheet 24.

Paved Parking Area

6 Parking Spaces

Landscaping

Asphalt

Ex. Fieldstone Wall

Ex. Stairs

Ex. Wall

Ex. Rock

Ex. Sign

Ex. Floodlights

Ex. Telephone Junction Box

Ex. Curb

Ex. Pine

Ex. Tel MH Abandoned

Ex. Tel MH Abandoned

Ex. OBT (7) Ducts

(61) Ducts

(38) Ducts

(2) Ducts

(16) Ducts

(4) Ducts

(3) Ducts

(13) Ducts

(1) Duct

Ex. 33' R/W

Ex. R/W

R/W

Chord = 34.03'
S 42°36'41" E
Arc = 37.83'
Radius = 24.00'

Chord = 182.26'
S 3°20'16" W
Arc = 182.27'
Radius = 6595.09'

Chord = 94.90'
S 4°32'30" W
Arc = 94.90'
Radius = 6595.09

Chord = 81.25'
S 5°18'25" W
Arc = 81.25'
Radius = 6595.09'

Chord = 149.56'
S 4°57'34" W
Arc = 149.56'
Radius = 6505.09'

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

HORIZONTAL SCALE IN FEET
0 10 20 30

FEDERAL PROJECT NO. STP-0, NH 75 01, & IM 75 01

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 85+00.00 TO STA. 90+00.00

BUT-CR19-3.20

23/43

588/608

REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

*8120
1 Sty. Br. Resid.

43 Thomas J. McGill & Charles W. Chappell
D.B. 1691, Page 128
M5610-024-000-021
27007 S.F.

44 Thomas J. McGill, Tr.
D.B. 5400, Page 459
M5620-128-000-010
Lot #1
*8124 18700 S.F.
1 Sty. Br. Resid.

45 Robert W. & Nyla Kramer, Trustee
D.B. 6046, PG. 506-507
M5620-128-000-011
Lot No. 2
18700 S.F.
*8130
1 Sty. Br. Resid.

47 Herman R & Velva L. Watkins
D.B. 1459, Page 417
Lot #3
M5620-128-000-012
18700 S.F.
*8134
1 Sty. Br. Resid.

48 D. H. J. Keehner, Inc.
D. B. 1425, Page 498
M5610-024-000-020
39.957 A.

42 Eleftherios D. Tralforos & Magdalema C. Tralforos
D.B. 1696, Page 612
M5620-146-000-003
62761 S.F.

46 Steven C. Faber, Trustee & Russell L. Faber, Trustee
D.B. 5299, Page 526
M5620-146-000-007
15756 S.F.

Steven C. Faber, Trustee & Russell L. Faber, Trustee
D.B. 1660, Page 352
M5620-146-000-001
71103 S.F.

Fountain Center
*8103 Papa Johns
*8111 Amigos
*8115 West Chester Chiropractor
*8123 Village Tavern
1 Sty. Br. Comm.

Concorde Cleaners
1 Sty. Blk. Comm.

*6875 Fountains Blvd.
Union Center
1 Sty. Blk. Comm.

Sta. 90+00 - For Continuation, See Sheet 23.
Sta. 95+00 - For Continuation, See Sheet 25.
℄ PROP. CINCINNATI-DAYTON RD. (CR19) 91+00
92+00
93+00
℄ Construction
94+00
EX. 54' R/W
EX. 133' R/W
EX. 54' R/W
EX. R/W 90'
EX. R/W
Construction Limits (Typ.)
Ex. Sign
Ex. Walk
Ex. Planter & Landscaping
Asphalt
Concrete
Landscaping
Trees and Brush
Ex. Rock Pile
Ex. Ret. Wall
Ex. Traf. Ctrl. Box
Ex. Rolled Asph Curb
Ex. 10B
Ex. 2x2 CB
Ex. OBT MH
Ex. F.H.
Ex. San MH
Ex. GV
Ex. WV
Ex. WM
Ex. Asphalt Curb
Ex. Slope Easement
15' Deciduous
(13) Ducts
(6) Ducts
(1) Duct
Chord = 35.6'
S 51°04'22" W
Arc = 39.53'
Radius = 25.00'
Chord = 78.34'
S 51°04'28" W
Arc = 87.19'
Radius = 55.00'
Chord = 35.10'
S 38°55'33" E
Arc = 38.91'
Radius = 25.00'
Chord = 28.05'
S 38°51'50" E
Arc = 31.08'
Radius = 20.00'
Do Not Disturb Ex. Parking Lot
Do Not Disturb Ex. Sign
3 Parking Spaces
16 Parking Spaces
9 Parking Spaces
Parking Spaces
399 ℄ FOUNTAINS BLVD. WESTBOUND
399 ℄ FOUNTAINS BLVD. EASTBOUND
398 ℄ Construction
EX. R/W
BEGIN WORK STA. 397+85.00 * FOUNTAINS BLVD. WESTBOUND
*See Maintenance of Traffic
BEGIN R/W ACQUISITION STA. 398+50.00 FOUNTAINS BLVD. EASTBOUND
BEGIN WORK STA. 397+85.00 * FOUNTAINS BLVD. EASTBOUND
*See Maintenance of Traffic
Sta. 90+00 - For Continuation, See Sheet 23.
Sta. 95+00 - For Continuation, See Sheet 25.
BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

HORIZONTAL SCALE IN FEET
0 10 20 40

FEDERAL PROJECT NO. STP-0, NH 75 01, & IM 75 01

STATE PROJECT NO. 080410

BUT-CR19-3.20

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 90+00.00 TO STA. 95+00.00

24/43

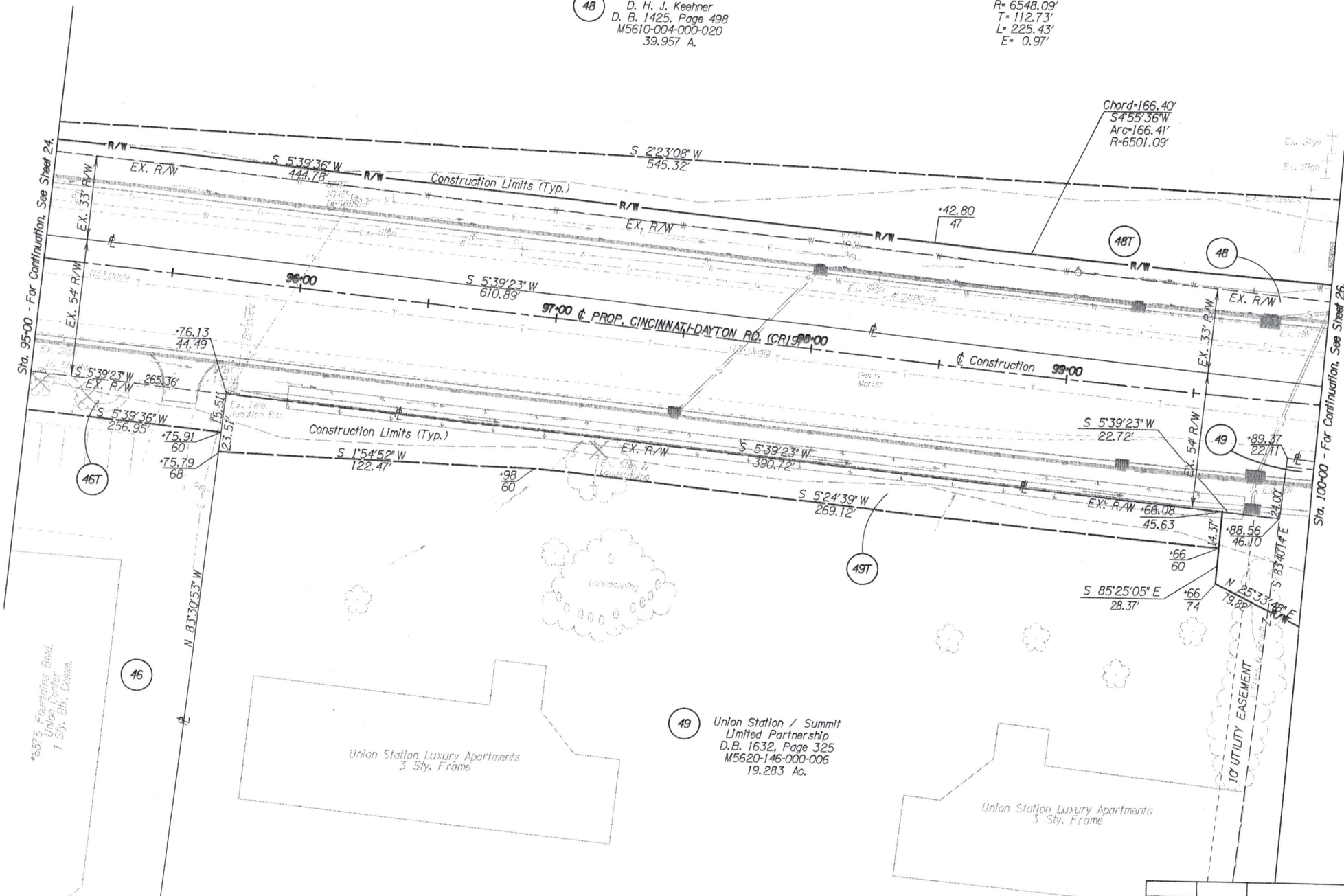
589/608

REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

(48) D. H. J. Keehner
D. B. 1425, Page 498
M5610-004-000-020
39.957 A.

CURVE DATA
Curve No. 3
P.I. STA. 99+55.53
Δ = 1°58'22", Lt.
Dc = 0°52'30"
R = 6548.09'
T = 112.73'
L = 225.43'
E = 0.97'



REV.	DATE	DESCRIPTION
1	9/17/98	Rev. 48, 48T, 49, & 49T
DATE OF COMPLETION		

N

HORIZONTAL SCALE IN FEET
0 10 20 40

FEDERAL PROJECT NO. STP-0, NH 75 01, & IM 75 01

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 95+00.00 TO STA. 100+00.00

BUT-CR19-3.20

25/43

590/608

C:\Drawings\BUT\080410\sht13.dgn Dec 02, 1998 11:44:24 82 DEC 1998 #FILE#

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

CURVE DATA
Curve No. 4
P.I. STA. 104+63.69
Δ=2°00'00", Rt.
Dc= 0°52'30"
R= 6548.09'
T= 114.30'
L=228.56'
E=1.00'

50 Cin - Day Ltd.
D.B. 5303, Page 044
M5610-024-000-015
30.832 Ac.

Sta. 100+00 - For Continuation, See Sheet 25.

Sta. 105+00 - For Continuation, See Sheet 27.

S 83°55'41" E ℄

48T +11.54 81

Chord=57.41'
S3°56'25"W
Arc=57.41'
R=6501.09'

S 3°47'17" W 137.76'

+50 81

S 13°36'48" W 121.82'

+70 60

S 8°04'57" E 93.10'

+61 79

S 9°23'48" W 124.43'

+83.57 68

50SL

+10.41 47 No

48

Construction Limits (Typ.)

+68.23 47

S 3°41'14" W 258.77'

50T

+27 47

67BT 506E

Gravel Asphalt

S 0°05'57" E 111.99'

+38 55

S 4°39'43" W 45.94'

+83.56 55

Ex. R/W

Ex. Sign

Ex. Woven Wire Fence

Reflector

+09.11 7.43

143.74 6.21

℄ S 5°39'23" W 145.18'

101.00 ℄ PROP. CINCINNATI-DAYTON RD. (CR19) 102.00

+89.06 1.27

8.19

+97.25 0.98

103.00 ℄ Construction

104.00

S 5°39'23" W 286.26'

4" SW-PHPC-1P

12" S

24" Ex. OBT MH *9515

+42.68 23.52

℄ S 5°39'23" W 53.51'

51.38'

8" W

Ex. WV NOT FD.

(14) Ducts

51

51A

(1) Duct 67BT 63130BRT

+95.BT 28.98 (6) Ducts

+46.44 43

Ex. R/W

Ex. RR

Ex. Conc. Curb

+41.78 45.12

S 3°06'29" W 145.41'

25' Access Easement

Asphalt

+87 43.60

S 3°42'52" W 118.68'

Construction Limits (Typ.)

S 3°06'29" W 59.45'

Ex. Sign

+41.16 60

57°20'59" W 26.64'

+59 60

Ex. Conc. Curb

49

51T

R/W

25°33'48" E 79.82

N 83°40'17" W 79.55'

+86.17 61.70

S 7°20'59" W 129.90'

Ex. CB

Ex. Sign

51AT

+16.33 58.45

Ex. Tele. Box

S 9°52'47" W Ex. R/W 23.36

+22.99 56.12

Ex. L.P.

+15.81 70

S 16°51'29" W 35.11'

Ex. Tele.

67BT 818C B5023BRE

Ex. Sign

S 9°19'10" W 113.37'

+30 69.09

+50 78

S 2°23'12" E 79.60'

52T

Ex. Monitoring Well

5 Ex. Vents

Conc. Gas Filler Caps

Ex. Monitoring Well

Ex. Monitoring Well

Ex. Monitoring Well

Pump Island

Ex. 12x2 CB

Parking Spaces

52

Lindvest, An Ohio Partnership
D.B. 1553, Page 291
M5610-024-000-036
39945 S.F.

1 Sty. Br. Comm.
*8307
United Dairy Farmers
*8291
D&P Shoe Repair
*8287
West Chester Cleaners

Ex. 2x2 CB

Ex. Curb Cut

4 Parking Spaces & 1 H/Cap

N 83°43'55" W

Detention Basin

1 Sty. Br. Comm. Waffle House

15' Slope Easement

N83°41'00"W

Jack L. Tucker
D.B. 1688, Page 313
M5610-024-000-076
35192 S.F.

Union Station/Summit Limited Partnership
D.B. 1632, Page 328
M5610-024-000-074
5.280 A.

Sharrington Foods, Inc.
D.B. 6234, Page 1547
M5610-024-000-088
27218 S.F.

20' San. Easement

REV.	DATE	DESCRIPTION
1	9/17/98	Rev. 48, 48T, 49, 50, & 50T
DATE OF COMPLETION		

N

HORIZONTAL SCALE IN FEET
0 10 20 40

FEDERAL PROJECT NO. STP-0, NH 75 01, & IM 75 01

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 100+00.00 TO STA. 105+00.00

BUT-CR19-3.20

26/43

591/608

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

50 Cin - Day Ltd.
D.B. 5303, Page 044
M5610-024-000-015
30.832 Ac.

Sta. 105+00 - For Continuation, See Sheet 26.

Sta. 110+00 - For Continuation, See Sheet 28.

S 3°21'23" E 118.89'

+00 86

S 0°01'24" E 301.50'

+00 116

Construction Limits (Typ.)

S 20°01'21" W 92.89'

+85.10 75.07

S 0°10'07" E 203.40'

EX.R/W

Ex. Cut In Levee

S 4°35'12" E 304.95'

50SL

+90 93

N 84°18'46" W 12.08'

+90 80.92

106+00 ℄ PROP. CINCINNATI-DAYTON RD. (CR19) 107+00

108+00 ℄ Construction 109+00

4" SW-PVC-1P

2" SW-PC-1P

Ex. Sign

OBT MH +95.16

67BT 98C

(1) Ducts

Direction Unknown

Ex. Landscape Timbers

+18.23 82.53

(1) Duct

Curb & Gutter

Landscaping

S 9°22'48" W 76.93'

S 40°57'32" W 30.32'

S 5°41'14" W 30.00'

+43 100

+73 100

"Woodbridge on the Lake" Sign

67BT 97C

+95 87.48

+35 90.06

Construction Limits (Typ.)

Landscaping

Ex. Sign

+35 95

S 9°22'45" W 183.23'

S 9°33'09" W 183.43'

*67BT 96C
BA2212RT

+17.84 101.86

S 8°56'24" W 113.34'

Ex. Ret. Wall

+18.02 107.37

S 9°33'09" W 113.24'

Ex. Bush

Do Not Disturb Ex. Light Pole

Canopy

Shell Oil Company
D.B. 1548, Page 214
M5610-024-000-017
24916 S.F.

Concrete Slab

Do Not Disturb Ex. Light Pole

Tel. Booth 5.51'

6 Parking Spaces

N 86°04'57" W

D.B. 1489, Page 183
INGRESS AND EGRESS EASEMENT

Ex. Conc. Curb

Woodbridge On The Lake

*8315
Shell Oil
1 Sty. Br.
Comm.

53 New Highland Greens Associates
Limited Partnership
D.B. 1489, Page 193
M5610-024-000-018
9.616 A.

53 New Highland Greens Associates
Limited Partnership
D.B. 1489, Page 231
M5610-024-000-069
58.409 A.

52 53T 54 54T 55T

REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

HORIZONTAL SCALE IN FEET
0 10 20 40

FEDERAL PROJECT NO. STP-0, NH 75 01, & IM 75 01

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 105+00.00 TO STA. 110+00.00

BUT-CR19-3.20

27/43

592/608

STATES #FILES

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

*8370
BP Oil
1 Sty. Br.
Comm.

50 Cln - Day Ltd.
D.B. 5303, Page 044
M5610-024-000-015
30.832 Ac.

56 Thomas J. Osterman, Walter E. Martin,
Edmund C. Carey & Norma L. Gould
D.B. 1506, Page 368
M5610-024-000-019
47515 S.F.

56U

50 Cln - Day Ltd.
D.B. 5303, Page 044
M5610-024-000-016
4.007 A.

℄ S 83°37'33" E

Concrete
Canopy

+02.27
94

S 51°11'14" W
15.73'

+18
94

S 84°18'46" E
10.62'

10.92'

EX.R/W

S 43°51'2" W

+02.13
83.08

15.87'

+18
83.38

Dirt/Gravel
Construction drive

Direction Unknown

Ex. Curb

Ex. Curb Face

Asphalt

Shrubs

4"

"BP" Sign

EX.R/W

EX.LA-R/W

BEGIN LIMITED
ACCESS LEFT
STA. 112+89.56

Construction Limits (Typ.)

2" SWPC-1P

℄ PROP. CINCINNATI-DAYTON RD. (CR19) 111+00

112+00

113+00 ℄ Construction

114+00

UPS

Ex. Sign

(7) Ducts

MH
#9517

MH
#11324

Sta. 110+00 - For Continuation, See Sheet 27.

Sta. 115+00 - For Continuation, See Sheet 29.

S 84°18'46" W
16.71'

+31
108.29

EX.R/W

Ex. "Knight's Inn" Sign

+31
115

*67BT95C
B42214RT

Construction Limits (Typ.)

EX.R/W

*67BT94C
T142449

No "

No "

EX.LA-R/W

Ex. Fence

Ex. Sign
"Shell Oil"

Knights Inn

BEGIN LIMITED
ACCESS RIGHT
STA. 112+93.60

Ex. Sign
"Knight's Inn"

℄ PROP. RAMP A

℄ Construction 1+00

Sta. 1+00 - For Continuation, See Sheet 29.

55T

Vinu A. Patel, Smita V. Patel,
Bhalchanra M. Desai, & Jyoti B. Desai
D.B. 1621, Page 515
M5610-024-000-068
2.377 A.

55

Chester Pike Country Inn, Inc.
D.B. 1621, Page 518
EASEMENT No. 1 (30' WIDE)
INGRESS AND EGRESS

Shree Prestige, Inc.
D.B. 1621, Page 518
m5610-024-000-073
5.727 A.

CURVE DATA
Curve No. A-1
P.I. STA. 0+54.92
Δ=40°13'16", Rt.
Dc=38°11'50"
R=150.00'
T=54.92'
L=105.30'
E=9.74'

REV.	DATE	DESCRIPTION

DATE OF COMPLETION

N

HORIZONTAL SCALE IN FEET
0 10 20 40

FEDERAL PROJECT NO.
STP-0, NH 75 01,
& IM 75 01

STATE PROJECT NO.
080410

RIGHT OF WAY PLAN
CINCINNATI-DAYTON RD.
STA. 110+00.00 TO STA. 115+00.00

BUT-CR19-3.20

28/43

593
608

18-47.04 04 SEP 97

Sta. 1+50 - NO RIGHT OF WAY CONTINUATION

CURVE DATA
Curve No. C-1
P.I. STA. 0+26.72
Δ=83°22'26", Rt.
Dc=190°59'09"
R=30.00'
T=26.72'
L=43.65'
E=10.17'

CURVE DATA
Curve No. C-2
P.I. STA. 0+93.84
Δ=21°51'00", Lt.
Dc=22°02'13"
R=260.00'
T=50.19'
L=99.15'
E=4.80'

Southbound I-75

℄ Construction

1+00 ℄ PROP. RAMP C

Construction Limits (Typ.)

SECTION 23
SECTION 22

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 22, T-3, R-2

CURVE DATA
Curve No. 5
P.I. STA. 119+23.02
Δ=29°16'08", Rt.
Dc=2°15'00"
R=2546.48'
T=664.94'
L=1300.84'
E=85.38'
e max.=0.033'/'

202

201

Ex. E/S

Ex. Traf. Ctrl. Panel
Ex. Traf. Ctrl. Box
Ex. Sign
Ex. Elec. MH

Ex. Sign
0+00
67BT 16E
Ex. Sign
Ex. Sign

116+00
Curve No. 5
117+00
118+00 ℄ PROP. CINCINNATI-DAYTON RD. (CR19) 119+00
℄ Construction

Sta. 115+00 - For Continuation, See Sheet 28.

Sta. 120+00 - For Continuation, See Sheet 30.

0+00
Ex. Sign
Ex. Sign
Ex. Sign
Ex. Sign

(7) Ducts
#9518

CURVE DATA
Curve No. B-1
P.I. STA. 0+12.85
Δ=104°13'10", Rt.
Dc=57°27'28"
R=10.00'
T=12.85'
L=18.19'
E=6.28'

CURVE DATA
Curve No. B-2
P.I. STA. 0+75.40
Δ=62°38'48", Lt.
Dc=60°57'11"
R=94.00'
T=57.21'
L=102.78'
E=16.04'

Sta.1+00 - For Continuation, See Sheet 28.

℄ PROP. RAMP B ℄ Construction

℄ PROP. RAMP A ℄ Construction

2+00

1+21

Ex. E/S

(7) Ducts

#9518

Sta. 2+75 - NO RIGHT OF WAY CONTINUATION

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 23, T-3, R-2

EX. LA-R/W

Construction Limits (Typ.)

Southbound I-75

REV.	DATE	DESCRIPTION

DATE OF COMPLETION

N

HORIZONTAL SCALE IN FEET
0 10 20

FEDERAL PROJECT NO.
STP-0, NH 75 01, & IM 75 01

STATE PROJECT NO.
080410

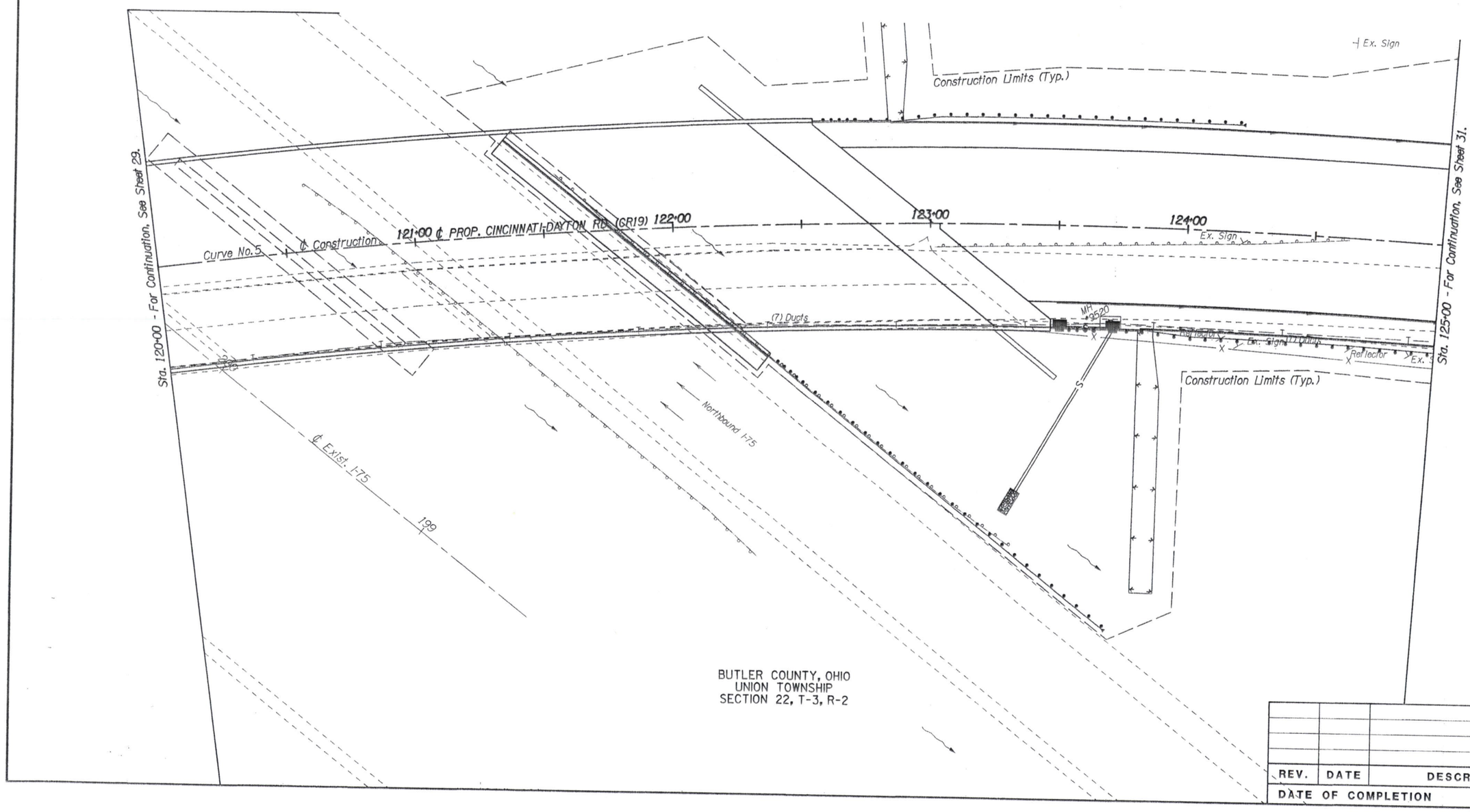
CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 115+00.00 TO STA. 120+00.00

BUT-CR19-3.20

29/43

594/608

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18-APR-98 01 SEP 97



REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

HORIZONTAL SCALE IN FEET
0 10 20 40

FEDERAL PROJECT NO. STP-0, NH 75 01. & IM 75 01

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 120+00.00 TO STA. 125+00.00

BUT-CR19-3.20

30/43

595/608

18:49:31 24 SEP 97 H:\DGN\6425\WORK_SHT\6425RW22.DGN

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 22, T-3, R-2

CURVE DATA
Curve No. E-1
P.I. STA. 0+68.91
Δ=39°55'00", Rt.
Dc=34°56'11"
R=164.00'
T=59.56'
L=114.26'
E=10.48'

CURVE DATA
Curve No. E-2
P.I. STA. 2+76.98
Δ=44°19'00", Lt.
Dc=27°56'57"
R=205.00'
T=83.49'
L=158.56'
E=16.35'

CURVE DATA
Curve No. F-1
P.I. STA. 0+10.00
Δ=90°00'01", Rt.
Dc=572°57'28"
R=10.00'
T=10.00'
L=15.71'
E=4.14'

CURVE DATA
Curve No. F-2
P.I. STA. 1+42.22
Δ=94°24'01", Lt..
Dc=60°57'11"
R=94.00'
T=101.51'
L=154.87'
E=44.35'

N 30°33'22" E 258.72'
Construction Limits (Typ.)
N 14°04'38" E 52.69
N 30°41'22" E 61.52
N 63°00'10" E 62.62
N 75°08'00" E 122.78
LA R/W
Sta. 5+00 - For Continuation, See Sheet 41.
57B LA
57B John E. Sulfsted
D.B. 1804, Page 336, 339, 341
M5610-023-000-003
5.318 Ac.
BEGIN R/W ACQUISITION
STA. 1+34.33
RAMP E
EX. LA-R/W
℄ PROP. RAMP E
4+00
250.12
N45°36'51"E
℄ PROP. RAMP F
3+00
232.44
N39°57'08"E
51.03
15.92
Exist. L/A Fence
1+00
2+00
℄ Construction
Ex. Sign
0+00
1+34.33
64
Sta. 130+00 - For Continuation, See Sheet 32.
℄ PROP. CINCINNATI-DAYTON RD. (CR19) 126+00 ℄ Construction
Ex. Electric Box
Reflector
Ex. Traffic Pole
Ex. Electric Box
127+00
128+00
129+00
Grass
Ex. Curb
Ex. Sign
Sta. 125+00 - For Continuation, See Sheet 30.
Ex. Sign
0+00
(7) Ducts
Ex. Traffic Pole
Ex. Sign
Construction Limits (Typ.)
℄ PROP. RAMP G
Ex. Traf. Ctrl. Box
Ex. Sign
Ex. Traffic Pole
Ex. UBI MH #9521
Ex. Sign
EX. LA-R/W
Frisch West Chester, Inc.
D.B. 1632, Page 606
M5610-023-000-053
1.1439 Ac.
END PROJECT
STA. 128+58.70
CINCINNATI-DAYTON RD.
(CR19)
BUT-CR 19-3.20
Sta. 1+00 - NO R/W CONTINUATION

CURVE DATA
Curve No. G-1
P.I. STA. 0+30.00
Δ=90°00'00", Rt.
Dc=190°59'09"
R=30.00'
T=30.00'
L=47.12'
E=12.43'

HORIZONTAL SCALE IN FEET
0 10 20 40

FEDERAL PROJECT NO. STP-0, NH 75 01, & IM 75 01

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 125+00.00 TO STA. 130+00.00

BUT-CR19-3.20

31/43

596/608

REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

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BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 22, T-3, R-2

57B
John E. Sulfsted
D.B. 1804, Page 336,
339, 341
M5610-023-000-003
5.318 Ac.

58
Helen Bruson Frankel
D.B. 1404, Page 201
M5610-023-000-004
71.41 A.

58LA

58T

57A

57A SL

Ex. L.A-R/W
76.96
107.89
N 85°04'48" W
133.96'
S 37°12'06" W
L.A R/W
S 53°05'27" W
329.01'
Construction Limits (Typ.)
END LIMITED ACCESS LEFT
STA. 134+54.08
05.72
95
S 43°39'26" W
152.03'
N 56°14'08" W
45.70'
06.67
49.31
S 48°27'02" W
41.91'
53.25
38.13
S 34°03'03" W 153.66'
Ex. R/W
Ex. San MH
N 56°14'08" W
39.77'
54.08
1.63
Sta. 130+00 - For Continuation, See Sheet 31.
Sta. 135+00 - For Continuation, See Sheet 33.
00 ℄ PROP. CINCINNATI-DAYTON RD. (CR19) 131+00 ℄ Construction
132+00
Pavement Crown
6" (Typ.)
133+00
134+00
S 33°45'52" W
310.13'
44.01
8.08
San 8"
Ex. San MH
(7) Ducts
Ex. R.R. Ties
4'-SWPC-60"
Ex. WV
Fiber Optics
Ex. Post
Ex. Sign
Reflector
6"
12"
Asphalt
EX.R/W
67BT
2000E
B68857RE
Ex. Tel. Booth
Ex. Post & Cable Fence
67BT
874C
845907RTHV
T183385
Construction Limits (Typ.)
Ex. WV Sprinkler Pit
Ex. "Holiday Inn" Sign Sprinkler Valve
Landscaping Sprinkler Head
Ex. Split Rail Fence
Ex. GV
Ex. 2x2 CB
845907RTHV
Ex. 2x2 CB
95
58.31
08.91
56.37
14.05'
S 27°00'52" W
S 35°02'22" W 185.02'
San C.O.
S 46°12'14" W 100.94'
94
78
END LIMITED ACCESS RIGHT
STA. 130+09.13
Frisch West Chester, Inc.
D.B. 1632, Page 606
M5610-023-000-053
1.1439 Ac.
*8545
Frisch's
1 Sty. Br.
Comm.
John E. Sulfsted
D.B. 5206, Page 378
M5610-023-000-058
1.875 Ac.
John E. Sulfsted
D.B. 5206, Page 377
M5610-023-000-059
1.7637 Ac.
John E. Sulfsted
D.B. 5206, Page 374
M5610-023-000-060
1.224 Ac.
*8561
Holiday Inn Express

REV.	DATE	DESCRIPTION
DATE OF COMPLETION		

...\6426\rw\rw_sht\6426rw24.dgn Oct. 28, 2000 15:19:57

HORIZONTAL SCALE IN FEET
0 10 20 40

FEDERAL PROJECT NO. STP-0, NH 75 01, & IM 75 01

STATE PROJECT NO. 080410

CINCINNATI-DAYTON RD. RIGHT OF WAY PLAN
STA. 130+00.00 TO STA. 135+00.00

BUT-CR19-3.20

32/43

597
608

BUTLER COUNTY, OHIO
UNION TOWNSHIP
SECTION 22, T-3, R-2

END R/W ACQUISITION
STA. 137+08.00
CINCINNATI-DAYTON RD.
(CR19)

58 Helen Bruson Frankel
D.B. 1404, Page 201
M5610-023-000-004
71.41 A.

END WORK
STA. 138+04.00 *
CINCINNATI-DAYTON RD.
(CR19)
* See Maintenance of Traffic

Sta. 135+00 - For Continuation, See Sheet 32.

S 43°39'26" W
152.03'
Construction Limits (Typ.)

+56
72

S 39°34'34" W 99.32'

+55
64

S 62°17'43" W
59.66'

58T

Ex. Woven Wire Fence

+06.89
40.56

EX.R/W S 34°03'03" W 153.66'

S 37°11'53" W 101.19'

+08
36.60

Ex. Sign
Ex. Sign
8" San
San
San
Ex. Sign
Ex. Con. MH
Reflector
Reflector 8" San
EX. 33' R/W
EX.R/W
Reflector
No.
Ex. Sign
San
Ex. Sign
Ex. San MH
57BT
77E ø
EX.R/W

℄ PROP. CINCINNATI-DAYTON RD. (CR19) 136+00 ℄ Construction

137+00
138+00
139+00
140+00

6" OBL SMH *9062
Ex. Sign
(7) Ducts
6" W
G
W
G
W
T
W
T
W
T
W
6"
T
6"
T
6"
T