SLM 10.20, 12"
SEE SHEET 176

SLM 10.19, 15"
SEE SHEET 176

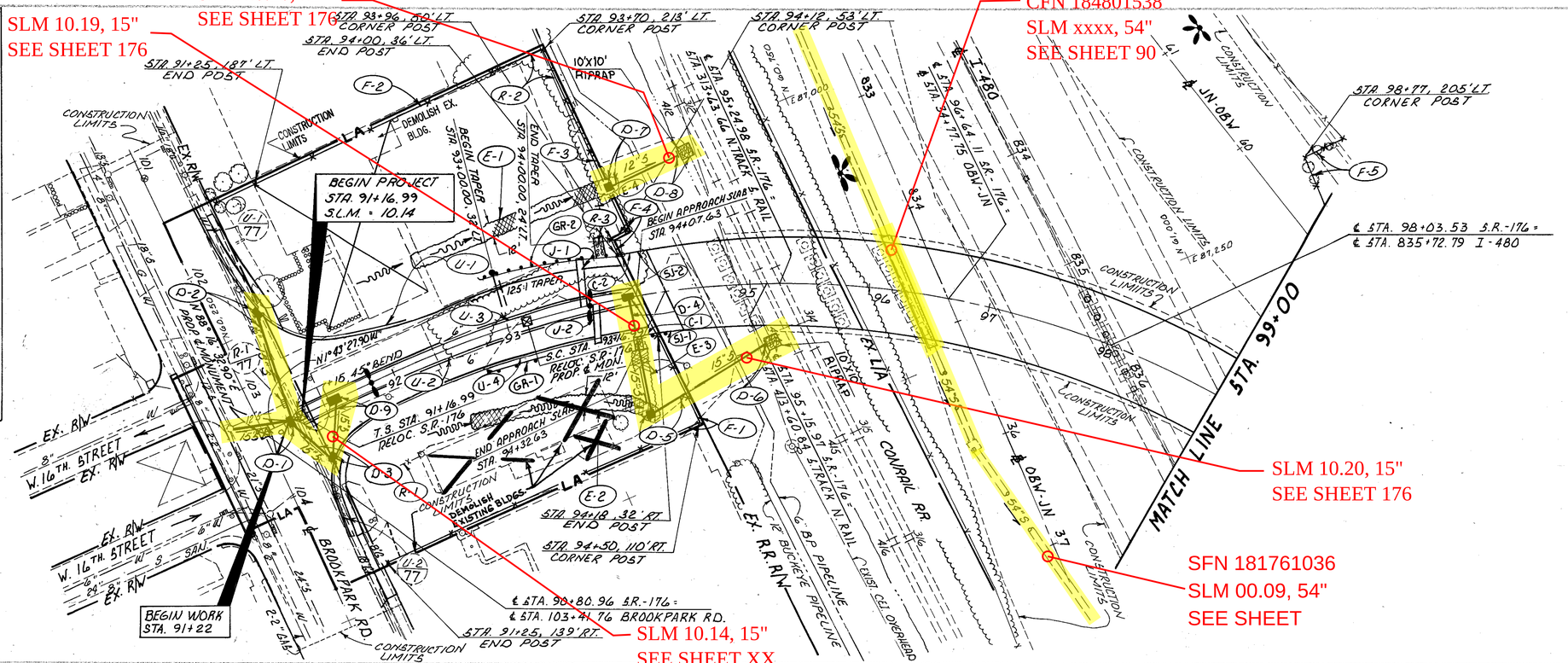
CFN 184801538
SLM xxxx, 54"
SEE SHEET 90

SLM 10.20, 15"
SEE SHEET 176

SFN 181761036
SLM 00.09, 54"
SEE SHEET

SLM 10.14, 15"
SEE SHEET XX

T.B.M. 79 DRILL HOLE WITH WINGS SET IN TOP OF SANDSTONE SIGN BASE TO SOUTHWEST BIBLE CHURCH, N. SIDE BROOKPARK ± 50 FEET W. OF W. EDGE BLDG. No. 16.00 ELEV.= 772.11



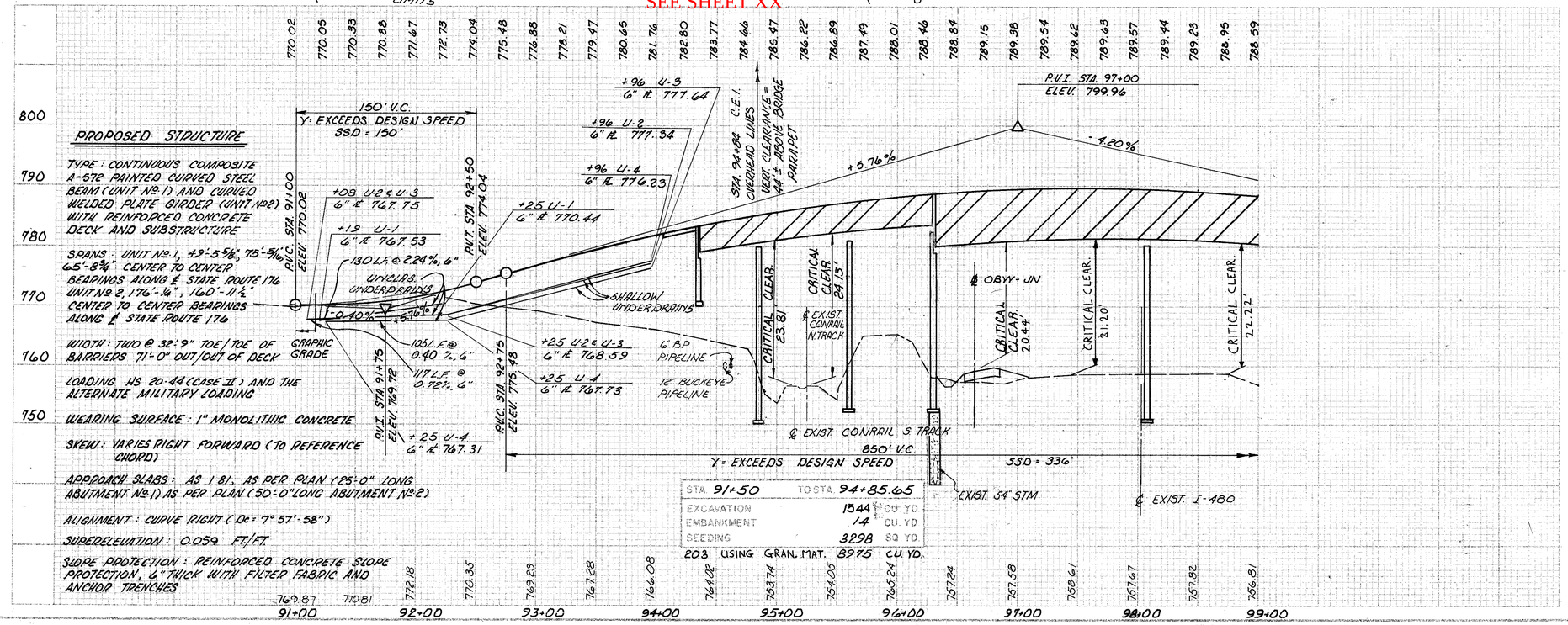
CALC. ____ DATE ____ CHKD. ____ DATE ____
CUYAHOGA COUNTY
CUY - 176 - 10.14
OHIO F.H.W.A. REGION
51 / 395

DRAINAGE STRUCTURE DATA

- D-1 STA. 91+08 ℄ RELOC. S.R.-176, C.B. CITY OF CLEVE. SUMP & TRAP W/CURB PLATE T/G - 769.65
- D-2 STA. 102+35, 36' LT. BROOKPARK RD. CATCH BASIN, CITY OF CLEVELAND No. 1 T/G - 769.90
- D-3 STA. 91+25, 43' RT. RELOC. S.R.-176 CATCH BASIN, CITY OF CLEVELAND No. 1 T/G = 769.68
- D-4 STA. 94+00, ℄ RELOC. S.R.-176 INLET No. 3850 T/G - 781.18
- D-5 STA. 94+00, 86' RT. RELOC. S.R.-176 C.B. No. 5 A.P.P. T/G = 767.75
- D-6 STA. 95+17, 52.5' RT. RELOC. S.R.-176 H.W.-4A 15" ⌀ 753.50
- D-7 STA. 94+00, 92' LT. RELOC. S.R.-176 C.B. No. 5 A.P.P. T/G = 767.75
- D-8 STA. 94+53, 108' LT. RELOC. S.R.-176 H.W.-4A 12" ⌀ 752.90
- D-9 STA. 91+45, ℄ RELOC. S.R.-176 INLET No. 3850 T/G = 769.62

REFERENCES

	SHEET NUMBERS
QUANTITIES FOR REFERENCED ITEMS	52
ADDITIONAL LEGEND ITEMS	2
INTERSECTION DETAILS	167
PIPE PROFILES	66, 77, 80 & 176
JN-OBW P & P SHEETS	119, 121, 123, 125
OBW-JN P & P SHEETS	82, 84, 86
BROOKPARK RD. P & P SHEETS	77
BRIDGE PLANS	278-313
SPECIAL EXCAVATION	177



PROPOSED STRUCTURE

TYPE: CONTINUOUS COMPOSITE A-572 PAINTED CURVED STEEL BEAM (UNIT No. 1) AND CURVED WELDED PLATE GIRDER (UNIT No. 2) WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: UNIT No. 1, 49'-5 5/8", 75'-5 1/16", 65'-8 3/8" CENTER TO CENTER BEARINGS ALONG ℄ STATE ROUTE 176
UNIT No. 2, 176'-1/8", 160'-11 1/2" CENTER TO CENTER BEARINGS ALONG ℄ STATE ROUTE 176

WIDTH: TWO @ 32'-9" TOE/TOE OF BARRIERS 71'-0" OUT/OUT OF DECK

LOADING: HS 20-44 (CASE II) AND THE ALTERNATE MILITARY LOADING

WEARING SURFACE: 1" MONOLITHIC CONCRETE

SKEW: VARIES RIGHT FORWARD (TO REFERENCE CHORD)

APPROACH SLABS: AS 1 & 3, AS PER PLAN (25'-0" LONG ABUTMENT No. 1) AS PER PLAN (50'-0" LONG ABUTMENT No. 2)

ALIGNMENT: CURVE RIGHT (De = 7° 57'-58")

SUPERELEVATION: 0.059 FT./FT.

SLOPE PROTECTION: REINFORCED CONCRETE SLOPE PROTECTION, 4" THICK WITH FILTER FABRIC AND ANCHOR TRENCHES

STA. 91+50	TO STA. 94+85.65	
EXCAVATION	1544	CU. YD
EMBANKMENT	14	CU. YD
SEEDING	3298	SQ. YD.
203 USING GRAN. MAT.	8975	CU. YD.

CURVE DATA

THETA-S	7° 57' 57.00" P.T.	P.I. STA.	98+22.05
LS =	200	Δ =	70° 9' 11.90" P.T.
XC =	199.61	DC =	7° 57' 58"
YC =	9.25	R =	719.25'
L.T. =	133.46	T =	505.06'
S.T. =	66.78	L =	808.65'
L.C. =	199.82	CH =	826.66'
P =	2.31	E =	159.61'
K =	99.93	M =	130.62'

RELOC. S.R. - 176

PLAN & PROFILE STA. 90+80.96 TO STA. 99+00

RELOC. S.R. - 176