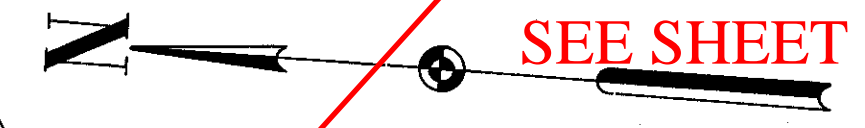
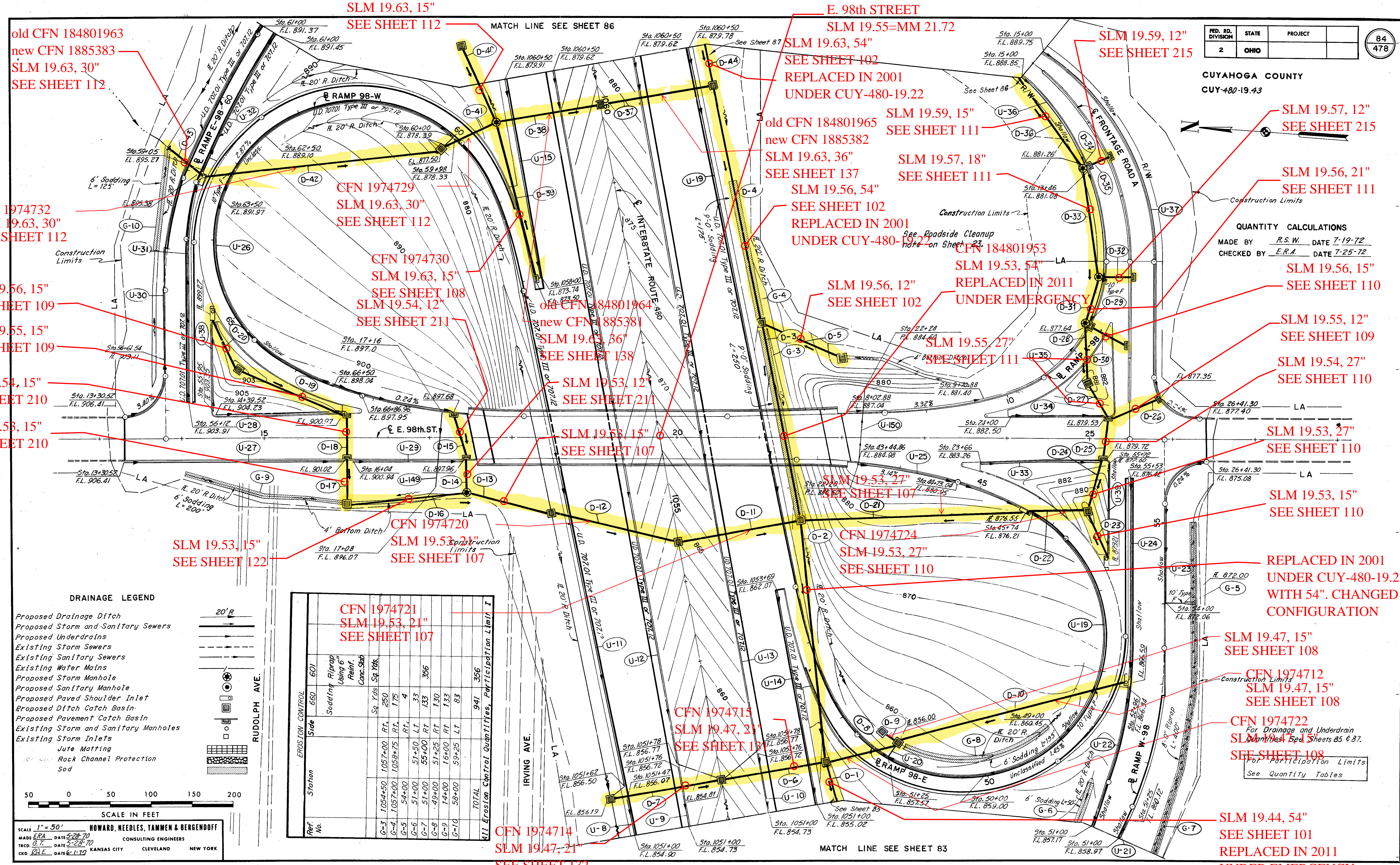


CUYAHOGA COUNTY
CUY-480-19.43



QUANTITY CALCULATIONS
MADE BY R.S.W. DATE 7-19-72
CHECKED BY E.R.A. DATE 7-25-72



old CFN 184801963
new CFN 1885383
SLM 19.63, 30"
SEE SHEET 112

CFN 1974732
SLM 19.63, 30"
SEE SHEET 112

SLM 19.56, 15"
SEE SHEET 109

SLM 19.55, 15"
SEE SHEET 109

SLM 19.54, 15"
SEE SHEET 210

SLM 19.53, 15"
SEE SHEET 210

SLM 19.63, 15"
SEE SHEET 112

CFN 1974729
SLM 19.63, 30"
SEE SHEET 112

CFN 1974730
SLM 19.63, 15"
SEE SHEET 108
SLM 19.54, 12"
SEE SHEET 211

old CFN 184801964
new CFN 1885381
SLM 19.63, 36"
SEE SHEET 138

SLM 19.53, 12"
SEE SHEET 211

SLM 19.53, 15"
SEE SHEET 107

SLM 19.53, 15"
SEE SHEET 122

CFN 1974720
SLM 19.53, 21"
SEE SHEET 107

CFN 1974721
SLM 19.53, 21"
SEE SHEET 107

CFN 1974715
SLM 19.47, 21"
SEE SHEET 132

CFN 1974714
SLM 19.47, 21"
SEE SHEET 132

SLM 19.63, 54"
SEE SHEET 102
REPLACED IN 2001
UNDER CUY-480-19.22

old CFN 184801965
new CFN 1885382
SLM 19.63, 36"
SEE SHEET 137
SLM 19.56, 54"
SEE SHEET 102
REPLACED IN 2001
UNDER CUY-480-19.22

SLM 19.56, 12"
SEE SHEET 102

CFN 184801953
SLM 19.53, 54"
REPLACED IN 2011
UNDER EMERGENCY

SLM 19.55, 27"
SEE SHEET 111

CFN 1974724
SLM 19.53, 27"
SEE SHEET 110

SLM 19.57, 12"
SEE SHEET 215

SLM 19.56, 21"
SEE SHEET 111

SLM 19.56, 15"
SEE SHEET 110

SLM 19.55, 12"
SEE SHEET 109

SLM 19.54, 27"
SEE SHEET 110

SLM 19.53, 27"
SEE SHEET 110

SLM 19.53, 15"
SEE SHEET 110

REPLACED IN 2001
UNDER CUY-480-19.22
WITH 54". CHANGED
CONFIGURATION

SLM 19.47, 15"
SEE SHEET 108

CFN 1974712
SLM 19.47, 15"
SEE SHEET 108

CFN 1974722
For Drainage and Underdrain
Manholes See Sheets 85 & 87.
SEE SHEET 108

SLM 19.44, 54"
SEE SHEET 101
REPLACED IN 2011
UNDER EMERGENCY

DRAINAGE LEGEND

- Proposed Drainage Ditch
- Proposed Storm and Sanitary Sewers
- Proposed Underdrains
- Existing Storm Sewers
- Existing Sanitary Sewers
- Existing Water Mains
- Proposed Storm Manhole
- Proposed Sanitary Manhole
- Proposed Paved Shoulder Inlet
- Proposed Ditch Catch Basin
- Proposed Pavement Catch Basin
- Existing Storm and Sanitary Manholes
- Existing Storm Inlets
- Jute Matting
- Rock Channel Protection
- Sod



SCALE 1" = 50'
HOWARD, NEEDLES, TAMMEN & BERGENDOFF
MADE E.R.A. DATE 5-28-70
TRCD G.T. DATE 5-28-70
CKD R.R.E. DATE 6-1-70
CONSULTING ENGINEERS
KANSAS CITY CLEVELAND NEW YORK

Station	Side	EROSION CONTROL	Sodding	Riprap	Using 6" Rainf.	Conc. Slab	Sq. Yds.	Sq. Yds.	RT.	RT.	LT.	LT.	RT.	LT.	TOTAL
G-3	1054+50	1057+00	RT.	250											
G-4	1057+00	1058+75	RT.	175	4										
G-5	54+00	51+00	LT.	33											
G-6	51+00	51+50	RT.	133											
G-7	51+00	55+00	RT.	130											
G-8	49+00	51+25	RT.	133											
G-9	14+00	16+00	RT.	83											
G-10	58+00	59+25	LT.	83											
				941											356
ALL Erosion Control Quantities, Participation Limit I															