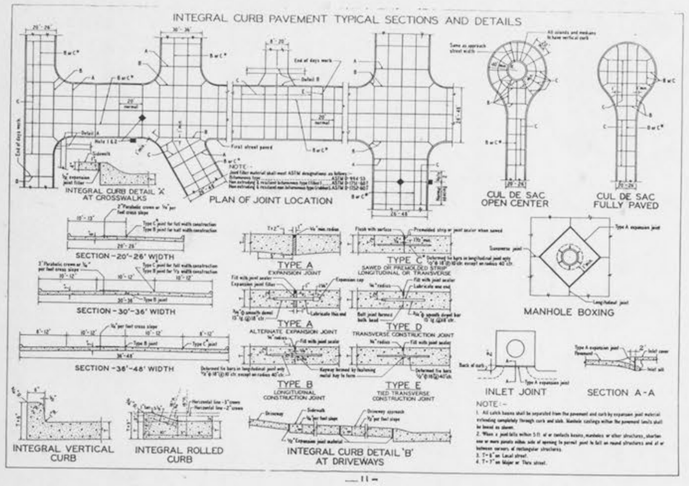
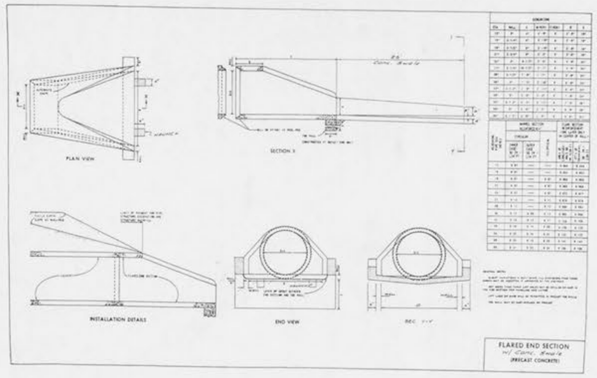
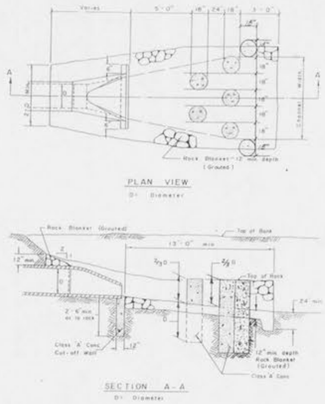
HIGHGROVE PLACE
(NORTH PORTION)
CONSTRUCTION DETAILS

MAY, 1996 Job No. 95-067

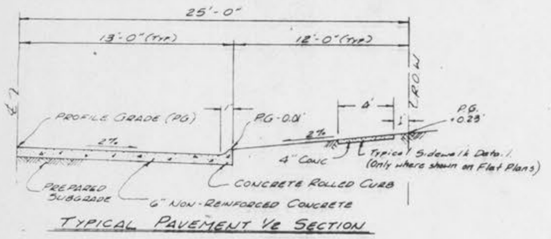
REV. 7-16-96 CITY COMMENTS
REV. 8-20-96 CITY COMMENTS





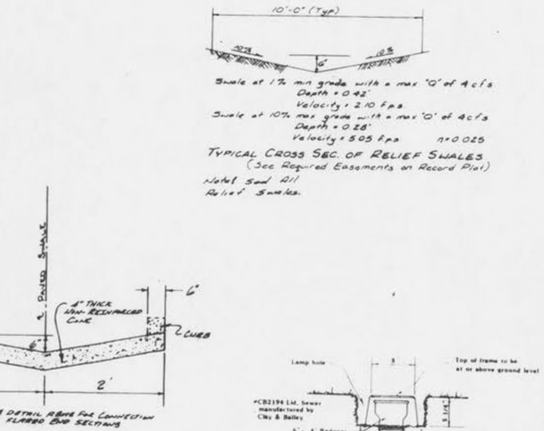


Flared End Section with Energy Dissipator
FOR 27" 60" CULVERTS

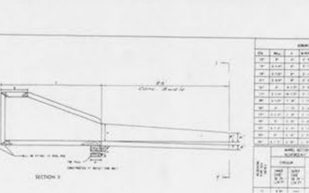


TYPICAL PAVEMENT Ve SECTION

TYPICAL PAVEMENT ½ SECTION
ALTERNATE



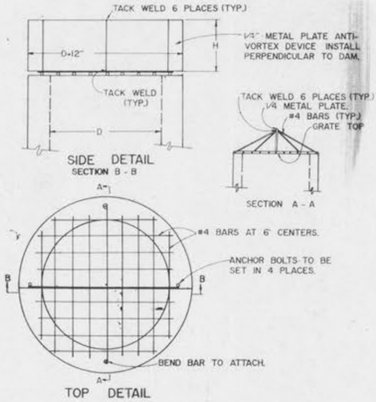
Cross Section
Paved Swale
N.T.S.



CLEAN-OUT DETAIL
Not to Scale

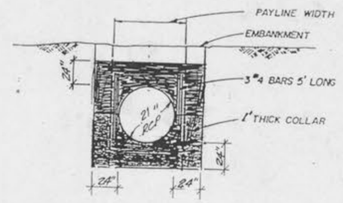
Swale at 1% min grade with a max 'Q' of 4 c.f.s
Depth = 0.42'
Velocity = 2.10 f.p.s.
Swale at 10% max grade with a max 'Q' of 4 c.f.s
Depth = 0.28'
Velocity = 5.05 f.p.s. n=0.025

TYPICAL CROSS SEC. OF RELIEF SWALES
(See Required Easements on Record Plat)
Note: See All Relief Swales.



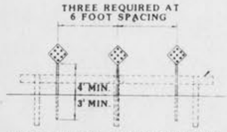
OVERFLOW STRUCTURE
ANTI-VORTEX DEVICE

42" DIA.



ANTISEEPAGE COLLAR CONSTRUCTION
N.T.S.

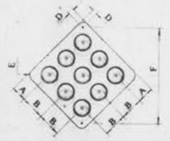
NOTE: Trench shall be backfilled in thin lifts with clay soil approved by geotechnical engineer or an approved soil mixed with 5% Bentonite clay by weight. The backfill should be compacted to a minimum of 87% of the Modified Proctor Dry Density Test(ASTM D 1557).



TYPE IV OBJECT MARKER MOUNTING
(END OF ROAD OR STREET)

SIGN NO. OM4
OBJECT MARKER - SEE DETAIL THIS SHEET

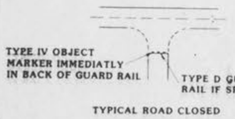
TYPE D GUARD RAIL IF SPECIFIED



SIGN	A	B	C	D	E	F
18"x18"	3-11/16"	5-5/16"	3-1/4"	1-1/4"	1-1/2"R	22"

TYPE IV OBJECT MARKER
RED REFLECTOR ON RED BACKGROUND

THICKNESS OF FLAT SHEET FOR TYPE IV OBJECT MARKER SHALL BE 0.063"

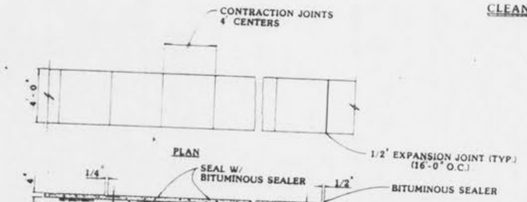


TYPE IV OBJECT MARKER IMMEDIATLY IN BACK OF GUARD RAIL

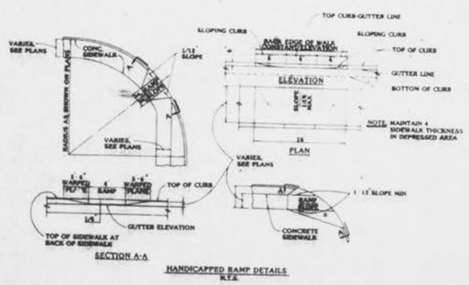
TYPE D GUARD RAIL IF SPECIFIED

TYPICAL ROAD CLOSED

BARRICADE DETAIL
N.T.S.



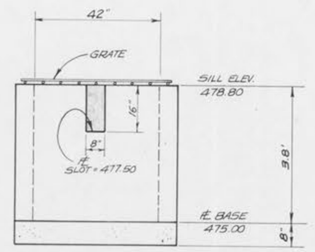
SIDEWALK DETAIL
N.T.S.



HANDICAPPED RAMP DETAILS
N.T.S.

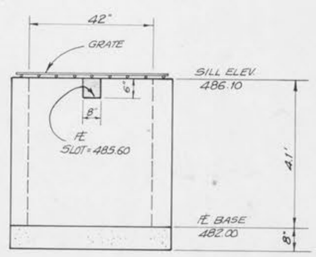
OVERFLOW STRUCTURES N.T.S.

42" INSIDE DIAMETER STANDPIPE W/ GRATE ON SILL



OS N-2

42" INSIDE DIAMETER STANDPIPE W/ GRATE ON SILL



OS N-50