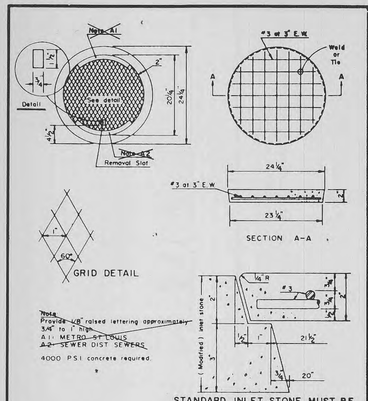
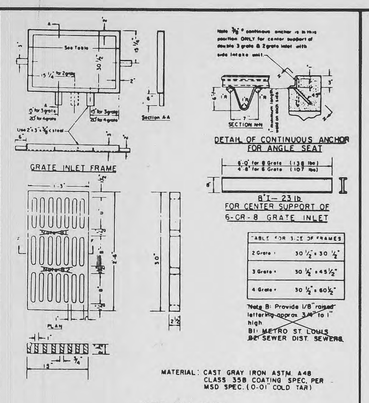


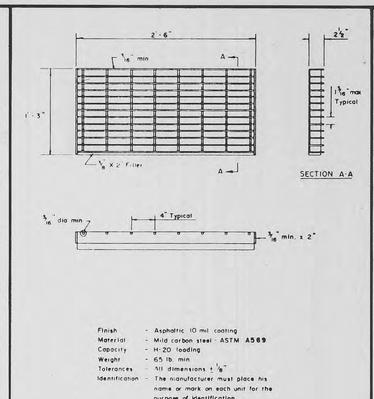
PRE-CAST CONCRETE
INLET COVER

DETAIL 37



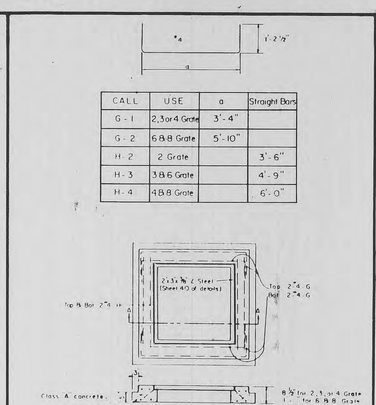
DETAILS OF INLET
FRAME AND GRATES

DETAIL 38



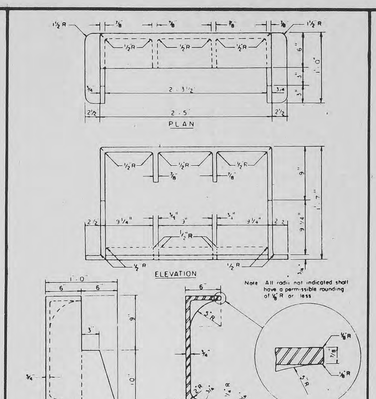
DETAIL OF STEEL GRATE
(ALTERNATE TO
CAST IRON "C" GRATE)

DETAIL 39



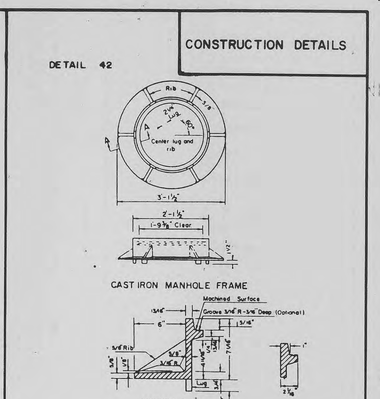
STEEL REQUIREMENTS FOR
GRATE INLET SEAT

DETAIL 40



CAST IRON SIDE INTAKE
UNIT FOR GRATED INLETS
249 LBS

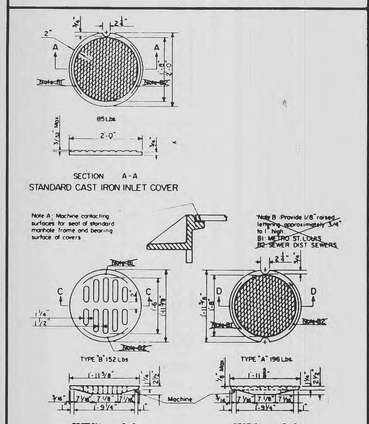
DETAIL 41



CAST IRON MANHOLE
FRAME

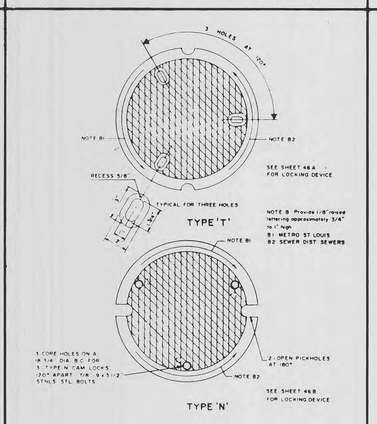
DETAIL 42

CONSTRUCTION DETAILS



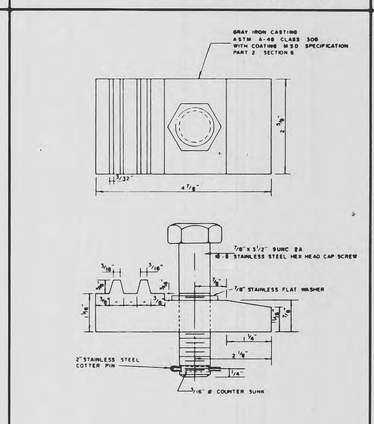
CAST IRON COVERS
MANHOLES AND INLETS

DETAIL 43



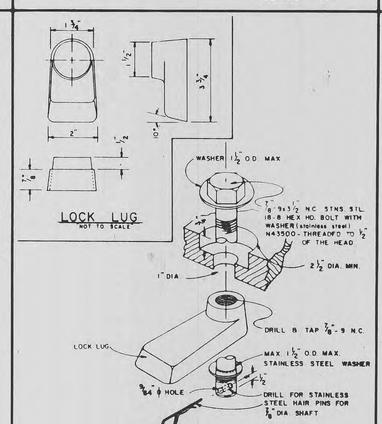
CAST IRON MANHOLE
COVERS
(LOCK TYPE)

DETAIL 44



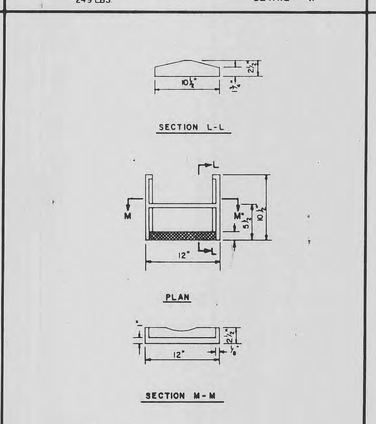
LOCKING DEVICE
FOR TYPE 'T'
LOCK TYPE MANHOLE COVER

DETAIL 45



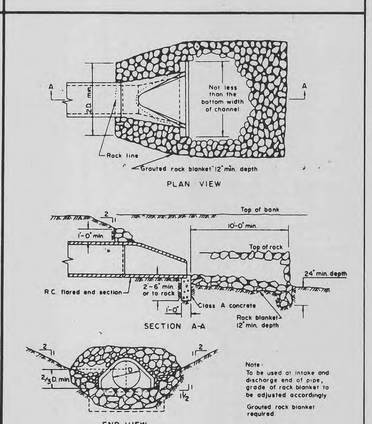
LOCKING DEVICE
FOR TYPE 'N'
LOCK TYPE MANHOLE COVER

DETAIL 46



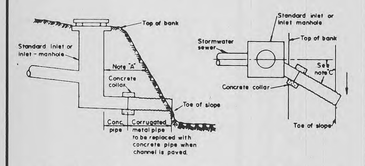
CAST IRON
MANHOLE STEPS

DETAIL 47

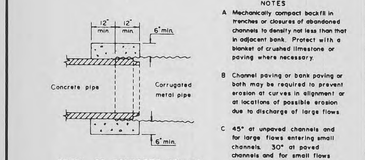


FLARED END SECTION

DETAIL 48



TYPICAL PLAN & SECTION AT SEWER LINE DISCHARGING INTO CHANNEL



DETAIL OF CONCRETE COLLAR

NOTES

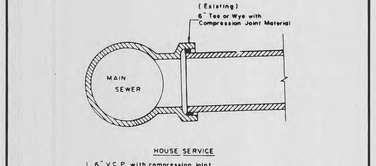
A Mechanically compact backfill in trenches or closures of abandoned channels to density not less than that in adjacent bank. Protect with a blanket of crushed limestone or paving where necessary.

B Channel paving or bank paving or both may be required to prevent erosion at curves in alignment or at locations of possible erosion due to discharge of large flows.

C 45° at unpaved channels and for large flows entering small channels. 30° at paved channels and for small flows entering large channels.

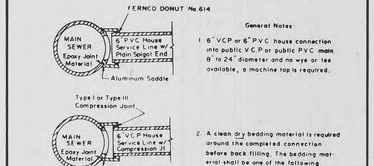
STORMWATER
CHANNELS

DETAIL 49



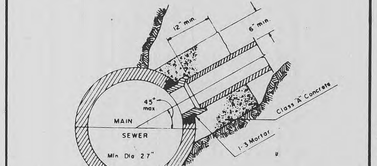
HOUSE CONNECTION
TO EXISTING
TEE OR WYE

DETAIL 50



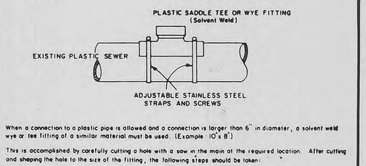
MACHINE TAP

DETAIL 51



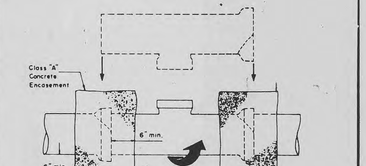
HOUSE CONNECTIONS
ALLOWED BY
TEE SADDLE

DETAIL 52



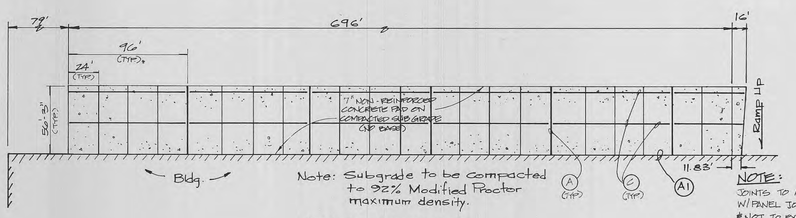
8" (& LARGER) CONNECTION
TO PLASTIC MAIN

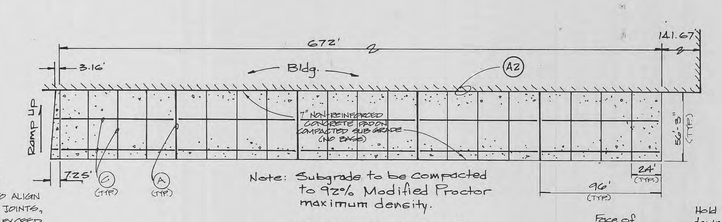
DETAIL 53



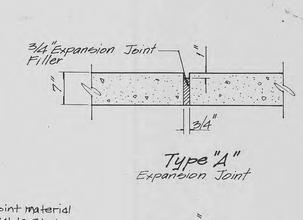
"ROLL-IN" (FOR EXISTING
CLAY OR CONCRETE PIPE)

DETAIL 54

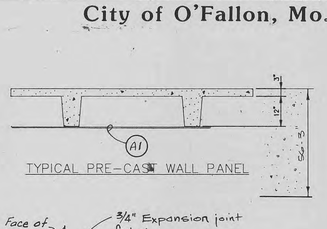


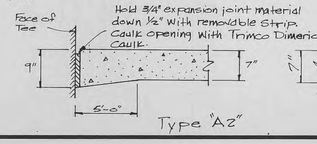


NOTE:
JOINTS TO ALIGN W/ PANEL JOINTS, @ NOT TO EXCEED 25' EXP JOINTS NOT TO EXCEED 125'

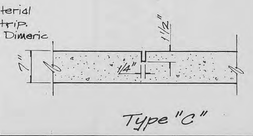


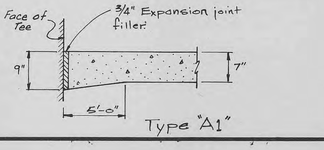
Type "A"
Expansion Joint





Type "A2"





Type "A1"

TYPICAL JOINT DETAILS

City of O'Fallon, Mo.

PREPARED BY:

PICKETT RAY & SILVER
Civil Engineers
Planners
Land Surveyors
333 Mid Rivers Mall Dr.
St. Peters, MO 63376
441-1211 278-7211

WAFZ Distribution Center

OWNER: Trammell Crow Company

CONTRACTOR: R.W. Murray Co.

Revision Dates
△ 2/5/90
△ 1/24/90
△ 1/10/90
△ 10/30/89

Issue Date
10/19/89

Sheet Title
CONSTRUCTION DETAILS

RWM Job Number
570

Sheet Number
C-7