

**GENERAL NOTES**

- Do not scale drawing. Follow Dimensions.
- Additional straw bales may be required as directed by the Department.
- Siltation Control Devices to remain in place until adequate vegetative growth insures no further erosion of the soil.
- Siltation fences shall be inspected periodically for damage and for the amount of sedimentation which has accumulated. Removal of sediment will be required when it reaches 1/2 of the height of the siltation fence.
- Straw Bales shall be inspected periodically for deterioration. Bales which have rotted or failed shall be replaced as directed by the Department.
- Attachment of Wadded Wire Fence and Geotextile Fabric to be in accordance with the manufacturer's recommendation.

ST. LOUIS COUNTY  
DEPARTMENT OF HIGHWAYS AND TRAFFIC  
CLAYTON, MISSOURI

**SILTATION CONTROL DEVICES**

APPROVED: *[Signature]*  
DIRECTOR

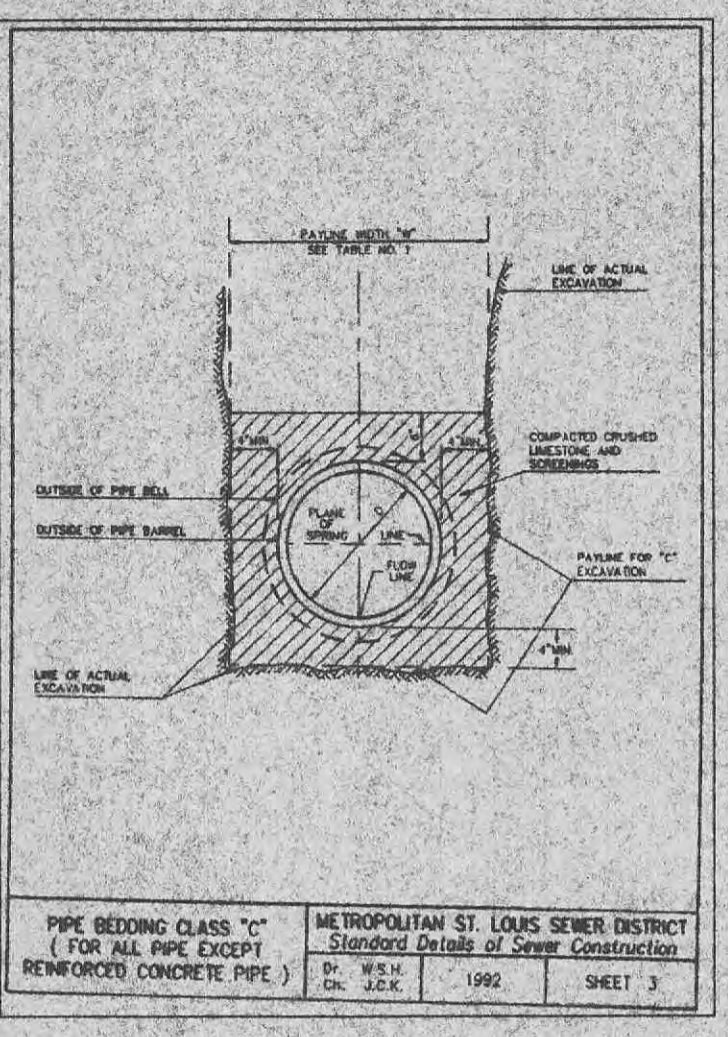
DATE: JAN 11 1990 DRAWING: C107.11

ROUND PIPE				HORIZONTAL ELLIPTICAL PIPE			
DIAMETER OF PIPE (INCHES)	WEIGHT PER LINEAL FOOT (LBS)	PAVING DEPTH (INCHES)	PAVING QUANTITY (CY)	DIAMETER OF PIPE (INCHES)	WEIGHT PER LINEAL FOOT (LBS)	PAVING DEPTH (INCHES)	PAVING QUANTITY (CY)
1	30	2.50	3.38	1	30	2.50	3.38
2	30	2.50	3.38	2	30	2.50	3.38
3	30	2.50	3.38	3	30	2.50	3.38
4	30	2.50	3.38	4	30	2.50	3.38
5	30	2.50	3.38	5	30	2.50	3.38
6	30	2.50	3.38	6	30	2.50	3.38
7	30	2.50	3.38	7	30	2.50	3.38
8	30	2.50	3.38	8	30	2.50	3.38
9	30	2.50	3.38	9	30	2.50	3.38
10	30	2.50	3.38	10	30	2.50	3.38
12	30	2.50	3.38	12	30	2.50	3.38
15	30	2.50	3.38	15	30	2.50	3.38
18	30	2.50	3.38	18	30	2.50	3.38
21	30	2.50	3.38	21	30	2.50	3.38
24	30	2.50	3.38	24	30	2.50	3.38
27	30	2.50	3.38	27	30	2.50	3.38
30	30	2.50	3.38	30	30	2.50	3.38
36	30	2.50	3.38	36	30	2.50	3.38
42	30	2.50	3.38	42	30	2.50	3.38
48	30	2.50	3.38	48	30	2.50	3.38
54	30	2.50	3.38	54	30	2.50	3.38
60	30	2.50	3.38	60	30	2.50	3.38
66	30	2.50	3.38	66	30	2.50	3.38
72	30	2.50	3.38	72	30	2.50	3.38
78	30	2.50	3.38	78	30	2.50	3.38
84	30	2.50	3.38	84	30	2.50	3.38
90	30	2.50	3.38	90	30	2.50	3.38
96	30	2.50	3.38	96	30	2.50	3.38
102	30	2.50	3.38	102	30	2.50	3.38
108	30	2.50	3.38	108	30	2.50	3.38
114	30	2.50	3.38	114	30	2.50	3.38
120	30	2.50	3.38	120	30	2.50	3.38
126	30	2.50	3.38	126	30	2.50	3.38
132	30	2.50	3.38	132	30	2.50	3.38
138	30	2.50	3.38	138	30	2.50	3.38
144	30	2.50	3.38	144	30	2.50	3.38

TABLE 1  
PAVING WIDTHS OF TRENCH AND QUANTITIES OF CONCRETE

METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction

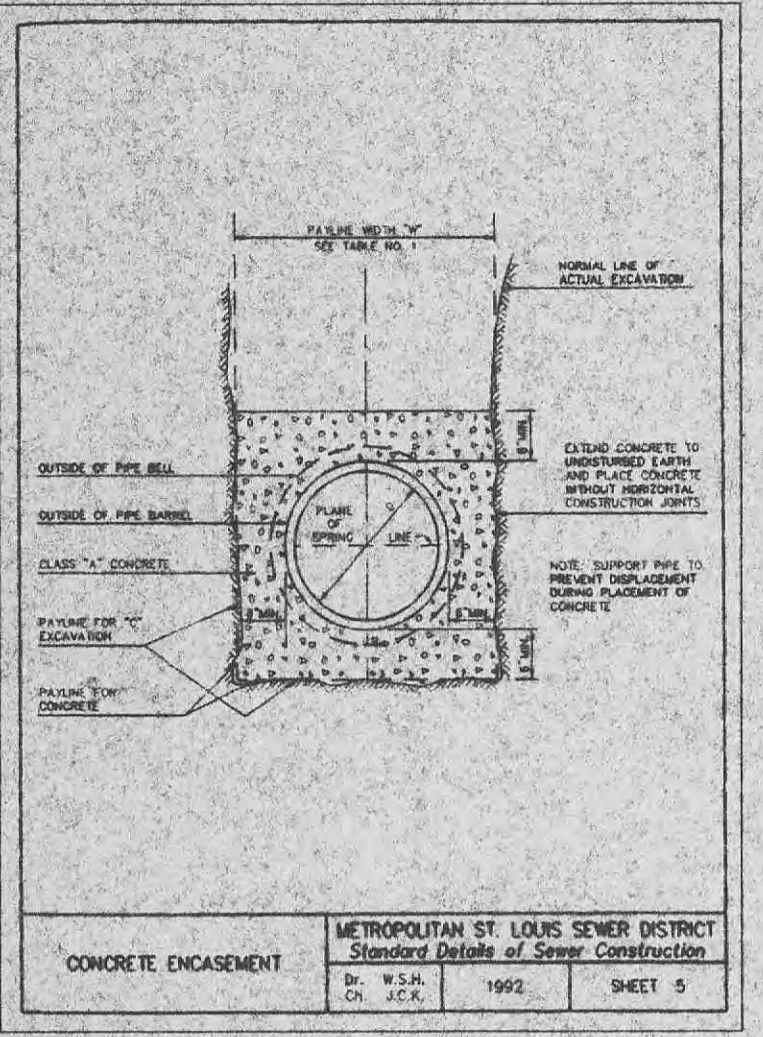
By: M.S.H. 1992 SHEET 1



PIPE BEDDING CLASS "C"  
(FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE.)

METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction

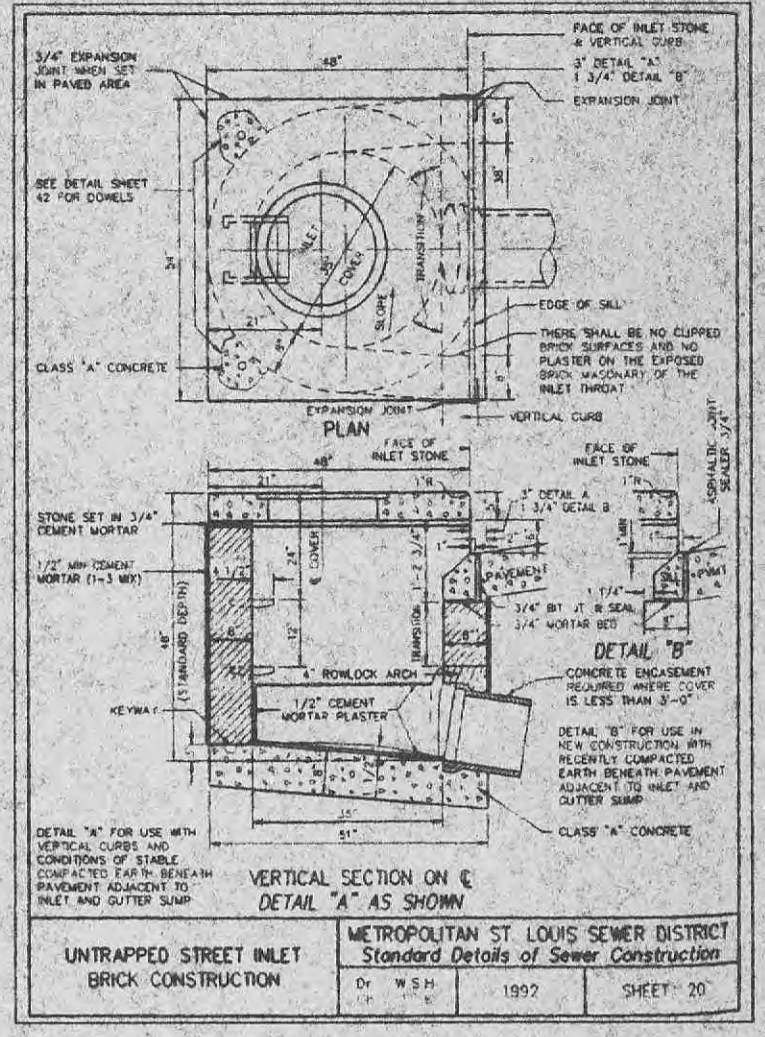
By: M.S.H. 1992 SHEET 3



CONCRETE ENCASEMENT

METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction

By: M.S.H. 1992 SHEET 5

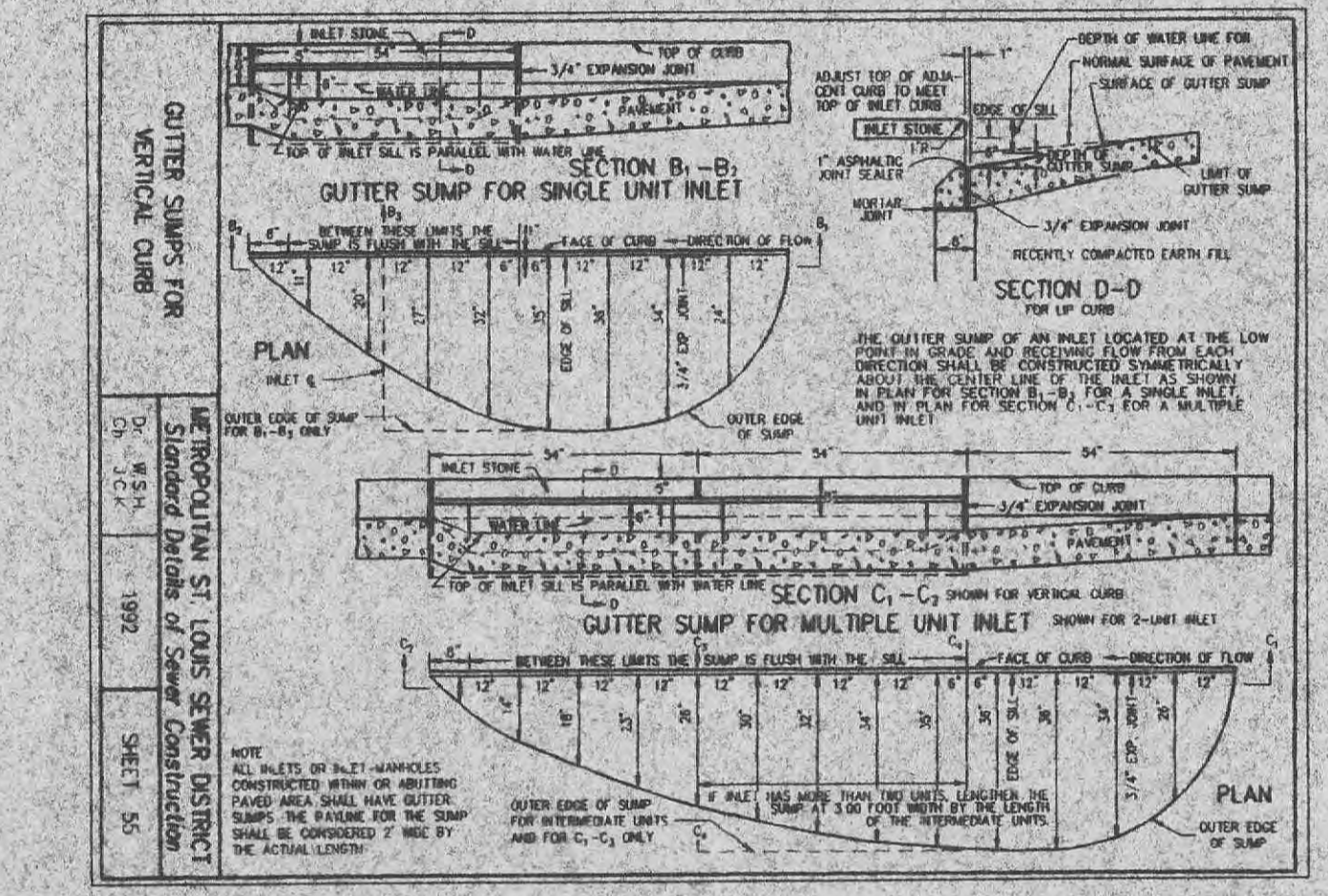


VERTICAL SECTION ON "C"  
DETAIL AS SHOWN

UNTRAPPED STREET INLET BRICK CONSTRUCTION

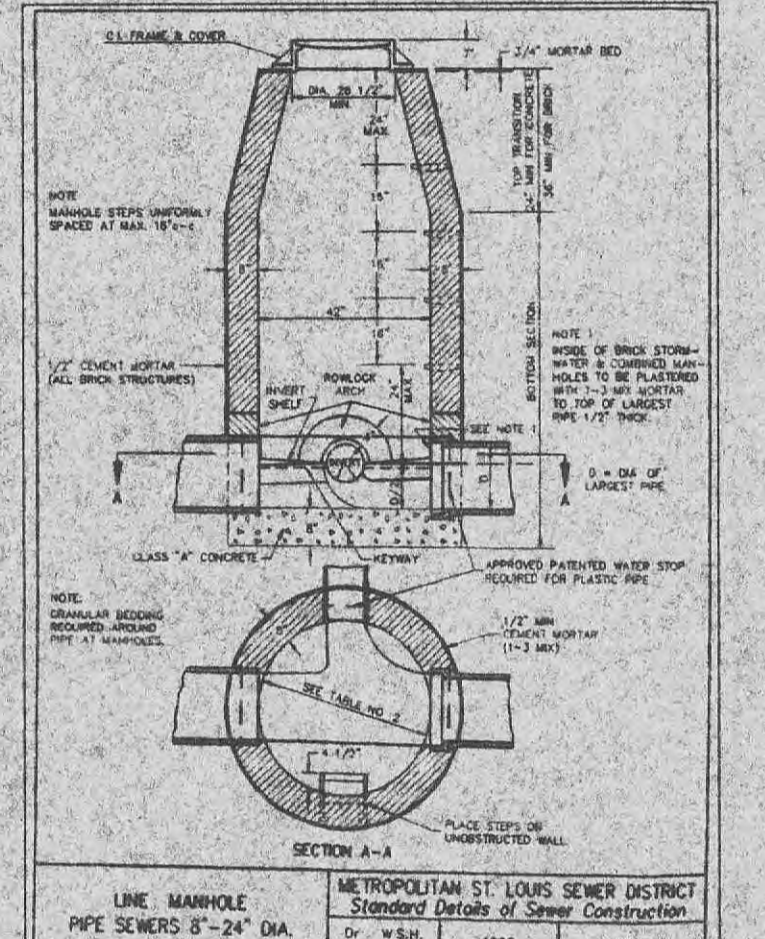
METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction

By: M.S.H. 1992 SHEET 20



METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction

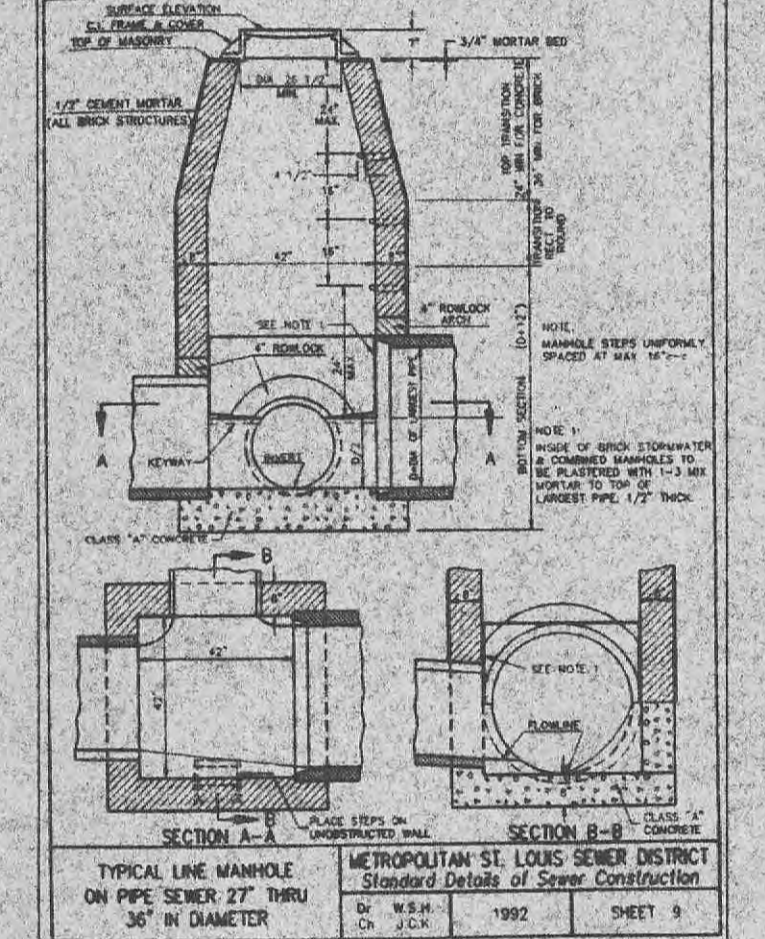
By: M.S.H. 1992 SHEET 30



LINE MANHOLE ON PIPE SEWER 27" THRU 36" IN DIAMETER

METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction

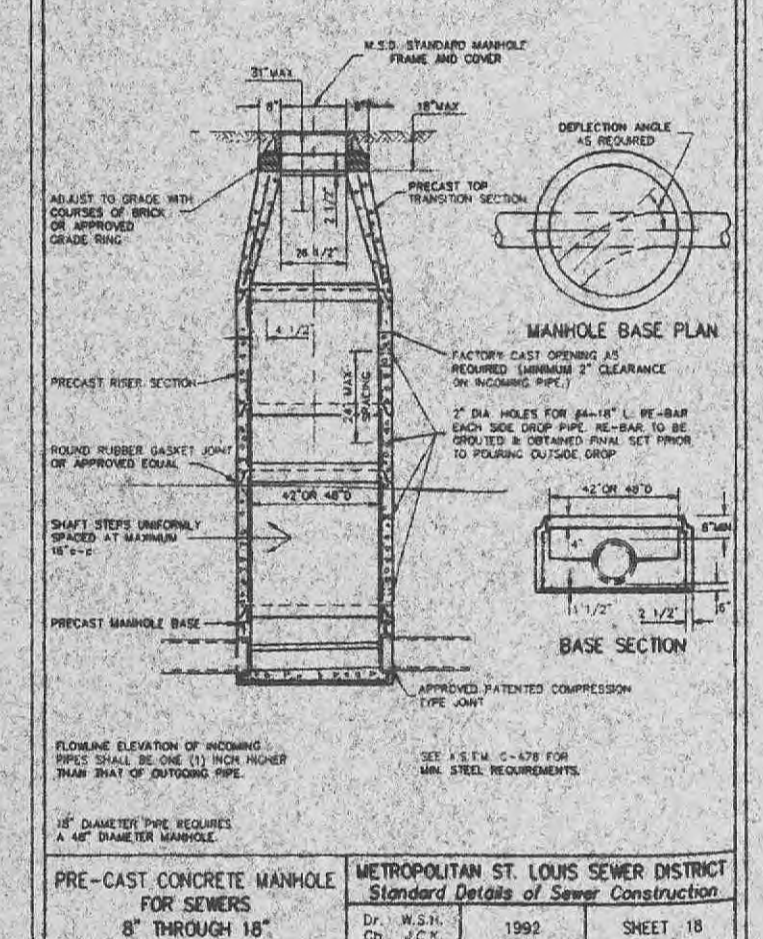
By: M.S.H. 1992 SHEET 8



TYPICAL LINE MANHOLE ON PIPE SEWER 27" THRU 36" IN DIAMETER

METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction

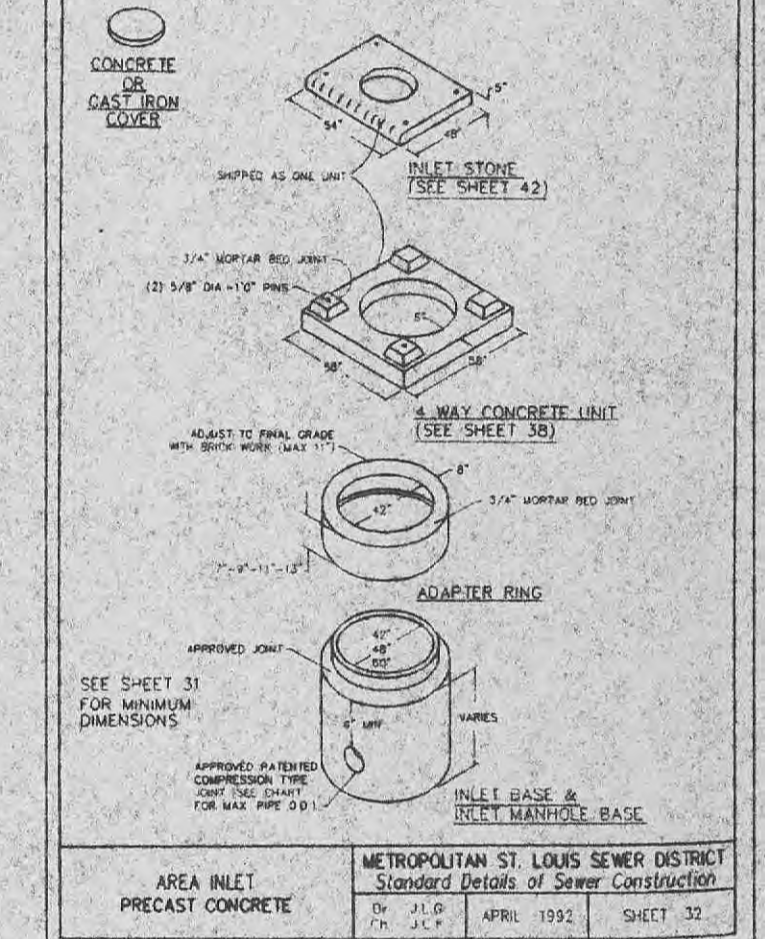
By: M.S.H. 1992 SHEET 9



PRE-CAST CONCRETE MANHOLE FOR SEWERS 8" THROUGH 16"

METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction

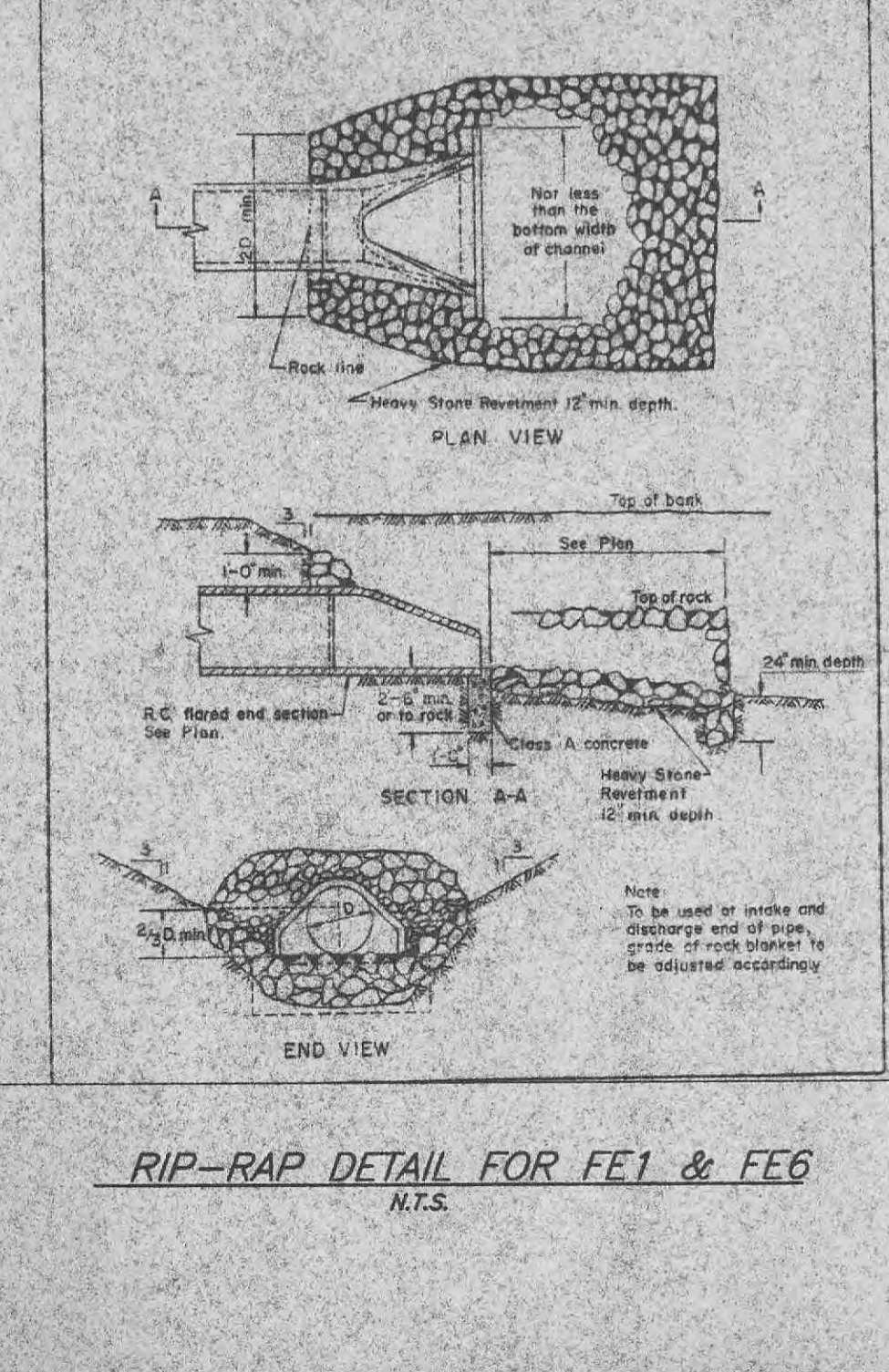
By: M.S.H. 1992 SHEET 10



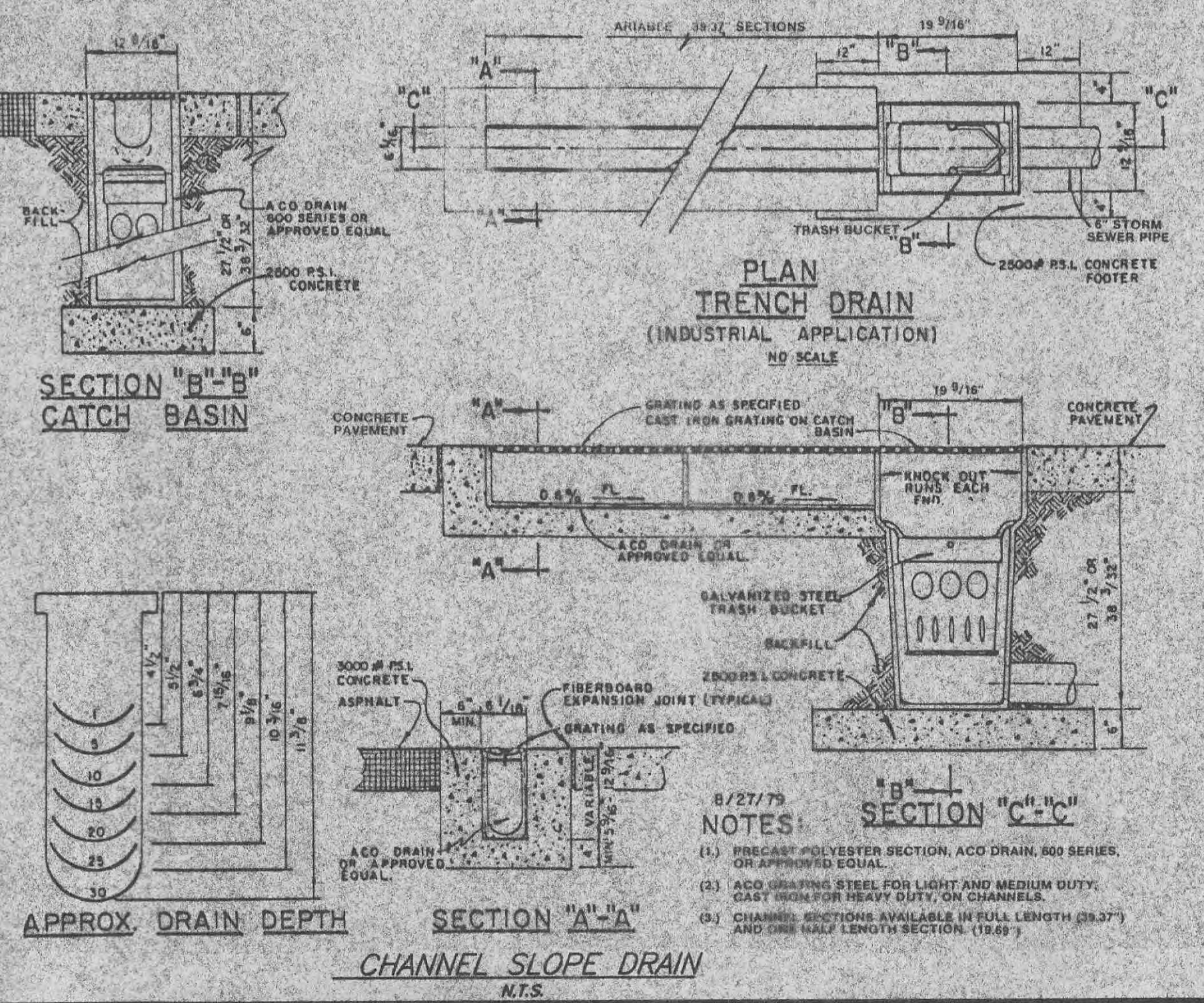
AREA INLET PRECAST CONCRETE

METROPOLITAN ST. LOUIS SEWER DISTRICT  
Standard Details of Sewer Construction

By: M.S.H. 1992 SHEET 32



RIP-RAP DETAIL FOR FE1 & FE6  
N.T.S.



PLAN TRENCH DRAIN (INDUSTRIAL APPLICATION)

SECTION "B-B" CATCH BASIN

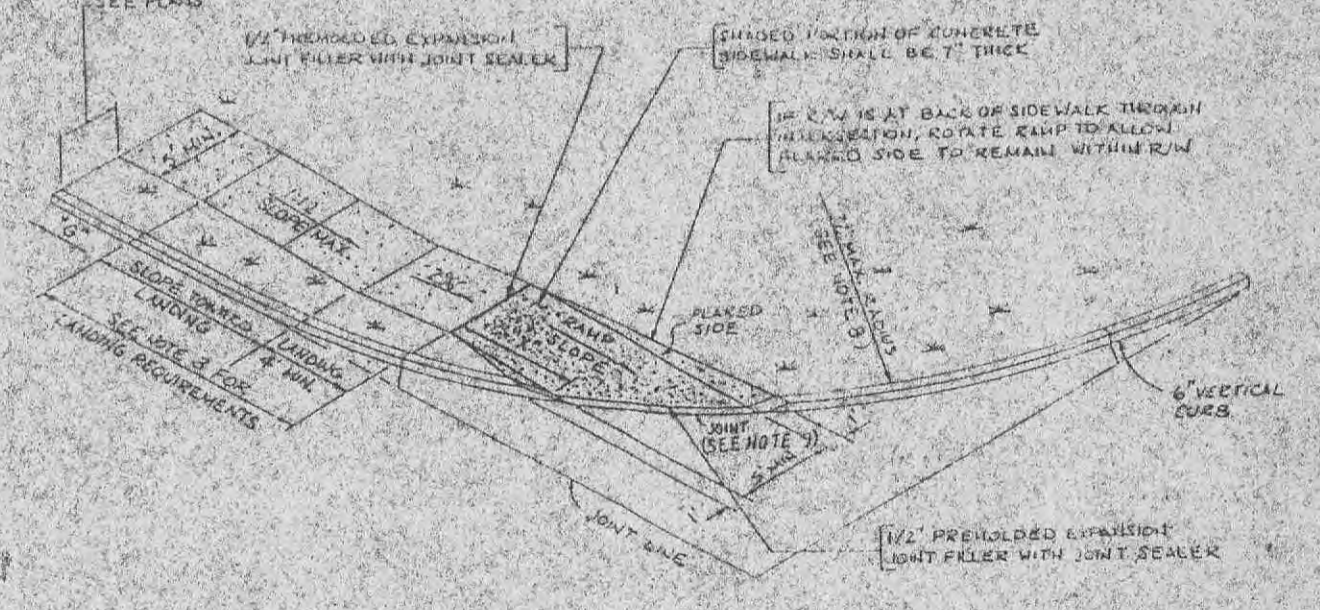
SECTION "C-C" CHANNEL SLOPE DRAIN

APPROX. DRAIN DEPTH

NOTES:  
(1) PRECAST POLYESTER SECTION, ACO DRAIN, 800 SERIES, OR APPROVED EQUAL.  
(2) ACO DRAINING STEEL FOR LIGHT AND MEDIUM DUTY, GRATE FROM HEAVY DUTY, ON CHANNELS.  
(3) CHANNEL SECTIONS AVAILABLE IN FULL LENGTH (20'-7") AND ONE HALF LENGTH SECTION (10'-6").

TYPE 1 AND TYPE 2 CURB RAMPS	
"G" GRADE ALONG CURB (ft)	MIN. LENGTH OF RAMP SLOPE (ft)
0 TO +1	6
+1.01 TO +2	7
+2.01 TO +3	10
+3.01 TO +4	12
GREATER THAN +4	15

NOTE: Positive (+) "G" Proceeding away from intersection and top of curb.  
Negative (-) "G" Proceeding away from intersection and down grade.



CONCRETE RAMP DETAIL  
N.T.S.

- CONCRETE
1. Concrete shall be placed and finished in accordance with the specifications for concrete.
  2. Provide a finish at the top of each curb ramp when the grade is 1% or greater than 1% and when curb rise, for curb values of 2", including all negative (-) values, no landing is required.
  3. Where curb rise is 2" or greater, curb shall be 5 feet minimum length.
  4. All curb ramps shall be 5 feet minimum length.
  5. All curb ramps shall be 5 feet minimum length.
  6. All curb ramps shall be 5 feet minimum length.
  7. All curb ramps shall be 5 feet minimum length.
  8. All curb ramps shall be 5 feet minimum length.
  9. All curb ramps shall be 5 feet minimum length.
  10. All curb ramps shall be 5 feet minimum length.
  11. All curb ramps shall be 5 feet minimum length.

5085 NEW BAUMGARTNER ROAD  
ST. LOUIS, MISSOURI 63129

**STERLING**  
ENGINEERS, SURVEYORS AND PLANNERS  
(314) 487-0440, FAX 487-8944

REVISIONS:

NO.	DATE	INITIAL	REVISION
1	11/19/89	RL	FIRST SUBMITTAL TO ENG.
2	1/27/90	RL	REV PER CITY & HARBOR COMMENTS
3			
4			
5			
6			
7			
8			

PROFESSIONAL SEAL

ARCHITECT LOGO

**UHAUL**  
U-HAUL INTERNATIONAL  
CONSTRUCTION & RENOVATION  
2727 NORTH CENTRAL AVENUE  
PHOENIX, ARIZONA 85004  
PH: 602/263-6502  
FAX: 602/277-1026

SITE ADDRESS:  
U-HAUL OF FALLON  
2000 HIGHWAY K  
OF FALLON

SHEET CONTENTS:  
CONSTRUCTION  
DETAILS

3591

DRAWN BY: RL  
CHK'D BY: MB  
DATE: 8/20/99