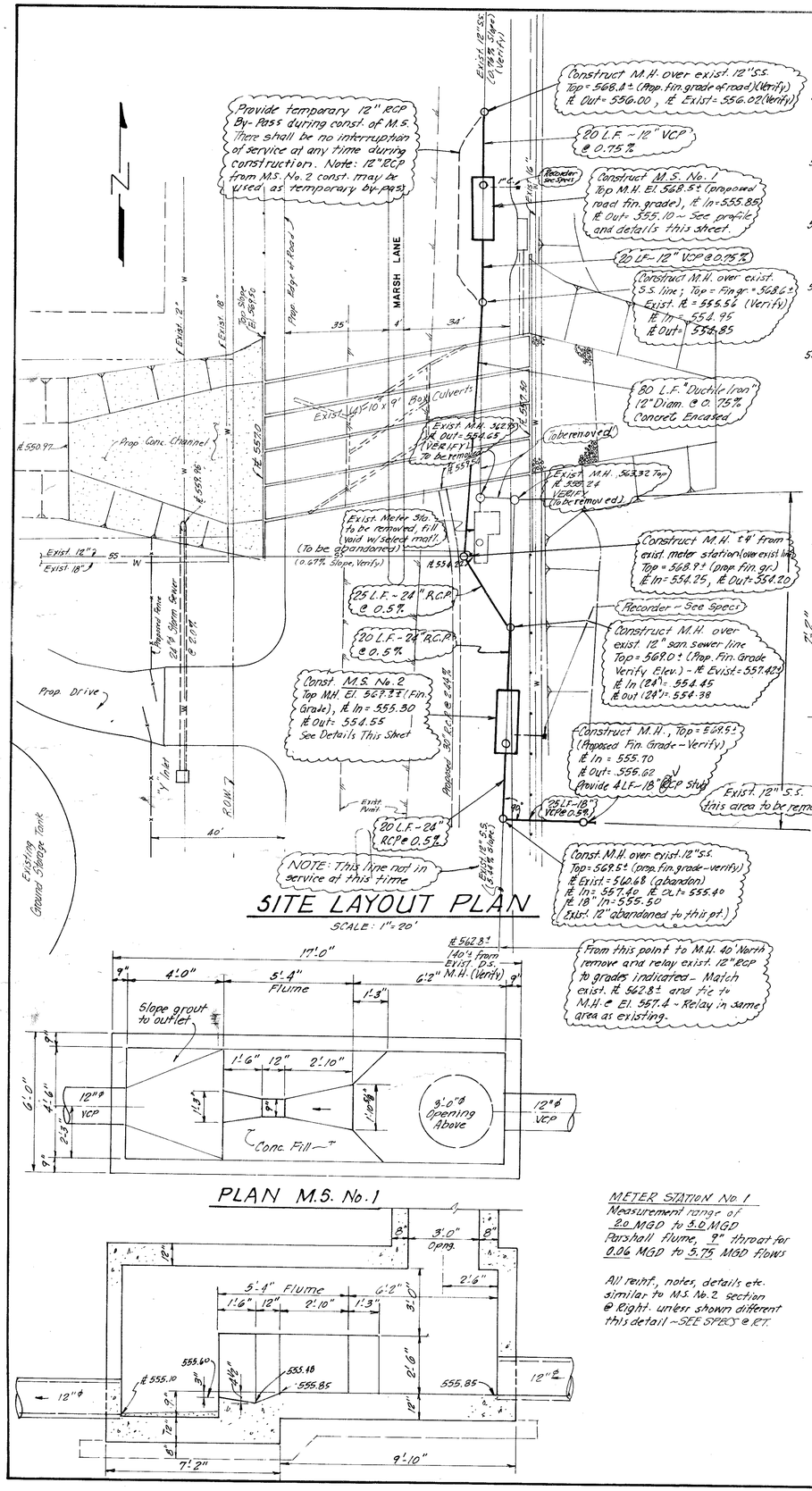
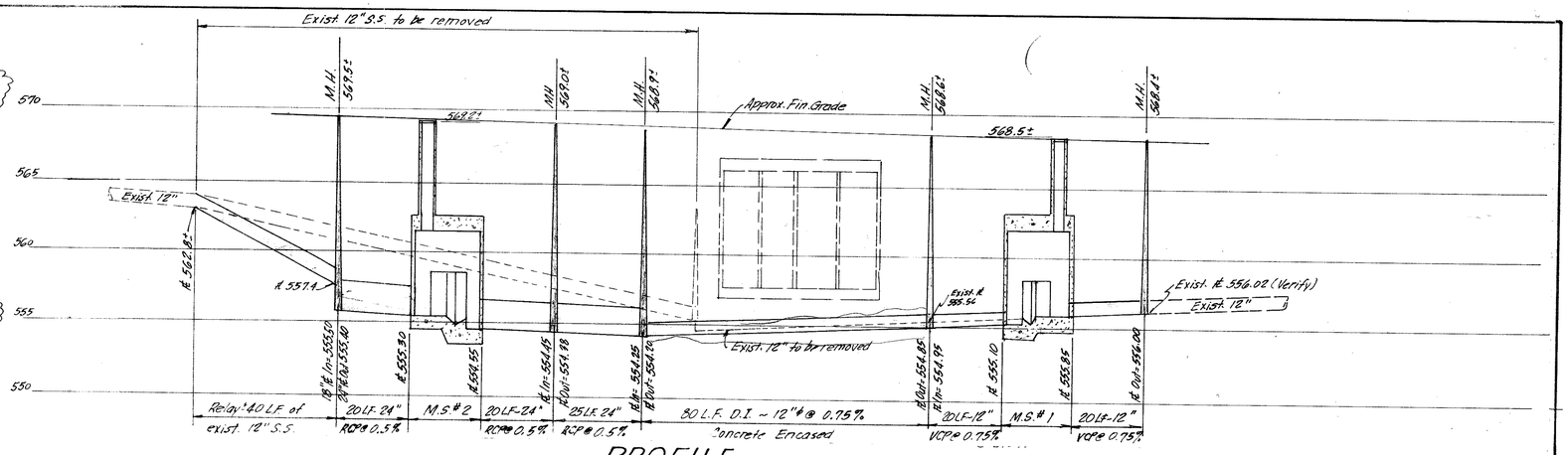


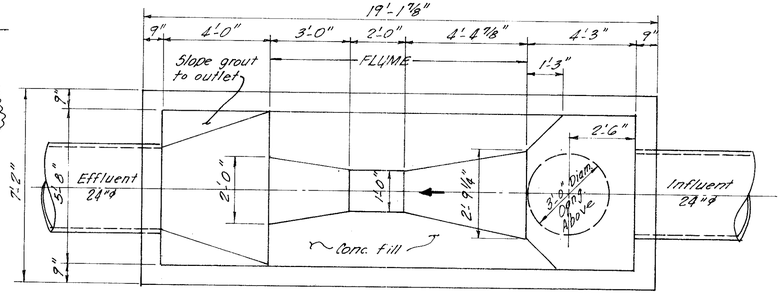
SITE LAYOUT PLAN

SCALE: 1" = 20'

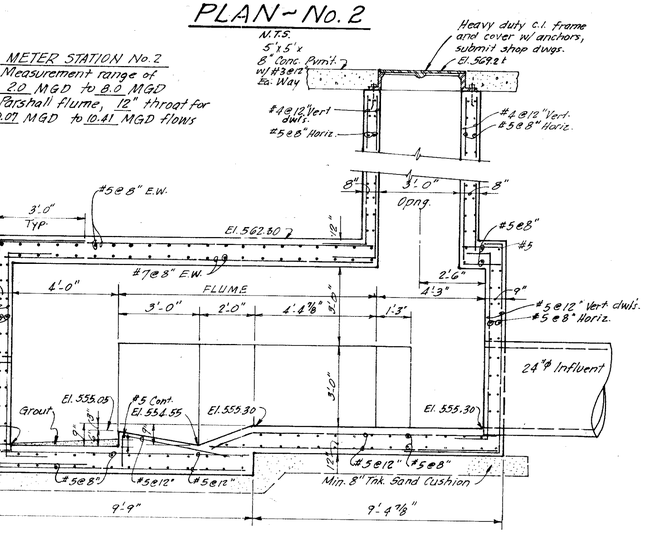


PROFILE

SCALE: 1" = 20' Horiz.
1" = 5' Vert.



PLAN - No. 2



METER STATION No. 2
Measurement range of 2.0 MGD to 8.0 MGD Parshall flume, 12" throat for 0.07 MGD to 10.41 MGD flows

SECTION

METER STATION DETAIL Nº 2

SCALE: N.T.S.

PLAN M.S. No. 1

METER STATION No. 1
Measurement range of 2.0 MGD to 5.0 MGD Parshall flume, 9" throat for 0.06 MGD to 5.75 MGD flows

All reinf., notes, details etc. similar to M.S. No. 2 section @ Right. unless shown different this detail - SEE SPECS & PLT.

1. Ultrasonic flow meter shall be BADGER METER, INC. model UH210B or approved equal and shall consist of a recorder with a remotely mounted sensor. The sensor shall be permanently mounted as per manufacturer's recommendations. The recorder shall contain all necessary circuitry to utilize the signal from the sensor and shall record and totalize the (depth/flow) signal: The unit shall be enclosed in an outdoor housing suitable for pole mounting. The signaling cable, supplied by manufacturer, shall be connected to the recorder from the sensor junction box by means of an exclusive 1" rigid, continuous, watertight metallic conduit. The sensor shall be positioned according to the manufacturer's approved method. The flowmeter shall be set to record and totalize the signal proportional to the depth/flow, over a measurement range of * to * MGD.

2. PARSHALL FLUME liner shall be BIF Model 141 * throat for * MGD to * MGD flows or approved equal. Liner shall be one piece, molded fiberglas-reinforced polyester, with 1/4" wall thickness; or BADGER METER, Inc. plastic flume capable of handling flows stated above, or approved equal.

3. All concrete shall be Class A, 3000 psi concrete.

4. Reinforcing shall conform to ASTM A-615, grade 40. Provide all necessary reinforcing accessories to hold bars in proper position. All reinforcing shall be detailed in accordance with ACI Standard 315. Provide corner bars of the same size and number as horizontal bars at all corners.

5. Contractor shall submit shop drawings in accordance with ACI Standards, latest edition, for approval prior to any construction being done, showing all information as to exact location, size, number; bending, splicing and placing schedules and lists of reinforcement. No work shall commence on structure until approval of shop drawings is received.

6. Poured-in-place concrete or brick manholes, frames and covers, shall be built in accordance with City of Addison Standards. No pre-cast concrete manholes will be allowed.

7. Sanitary sewer pipes (18" and smaller) shall be extra strength vitrified clay pipe and shall conform to ASTM C700. Joints shall conform to ASTM C425 for compression joints for vitrified clay pipe and fittings. Installation shall be in accordance with ASTM Recommended Practice C12.

8. Sanitary sewer pipes (larger than 18") shall be reinforced concrete sewer pipe, tongue and groove type, conforming to ASTM C76, Class III. Joints shall have rubber gaskets conforming to ASTM C443.

9. PVC gravity sewer pipe shall conform to ASTM D-3034 (SDR 35) with integral bell gasketed joints conforming to ASTM D3212. Gaskets shall conform to ASTM F477. Installation shall be in accordance with ASTM D2321-74, Recommended Practice for Underground Installation of Flexible Thermoplastic Sewer Pipe.

10. Concrete encasement shall be 2500 psi concrete.

11. Bedding, backfilling and pavement repair shall be in accordance with City of Addison Standard Specifications, or as shown on the drawings.

* SEE PLANS

No.	Revision	By	Date

CITY OF ADDISON
DALLAS COUNTY, TEXAS

MARSH LANE METER STATION

GINN, INC.
Consulting Engineers Dallas, Texas

Designed - GF	Drawn - GF	Date - JUNE, 1982	Job No. -
Approved - HWG	Checked - HWG	Scale - 1" = 20' - V 1" = 5' - H	Sheet Of