

Job Set

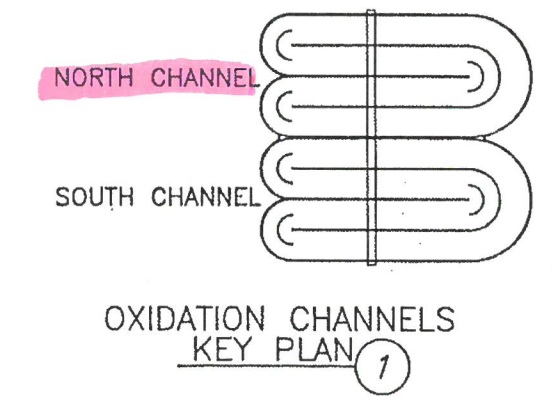
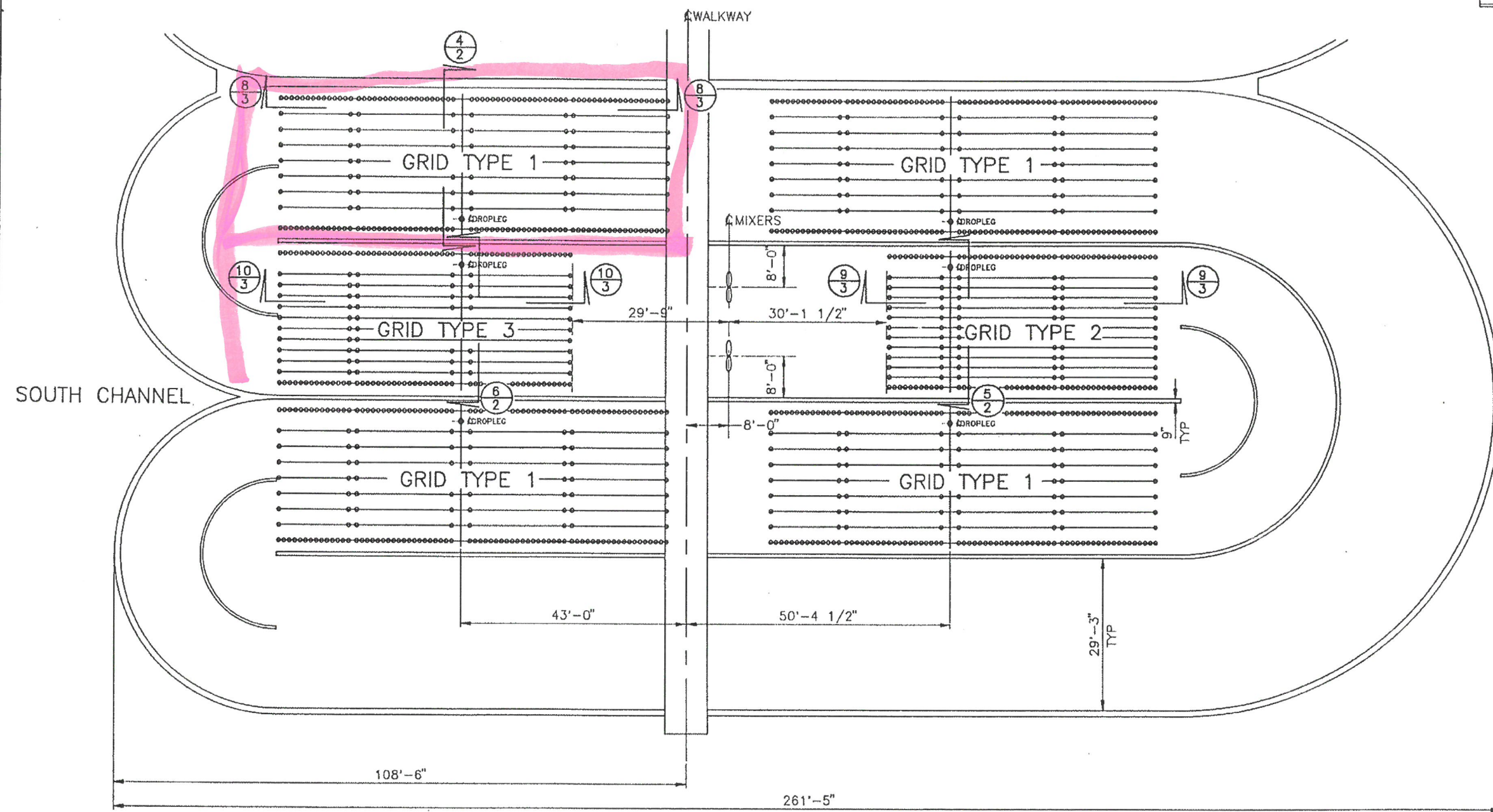
92-2557/A

GRID TYPE '1'
 2 -TANK(S)
 4 -GRID(S) PER TANK
 9 -AIR DISTRIBUTORS PER GRID
 71 -DIFFUSERS PER AIR DISTRIBUTOR
 639 -DIFFUSERS PER GRID
 5112 -TOTAL DIFFUSERS INSTALLED FOR THIS GRID TYPE

GRID TYPE '2'
 2 -TANK(S)
 1 -GRID(S) PER TANK
 13 -AIR DISTRIBUTORS PER GRID
 49 -DIFFUSERS PER AIR DISTRIBUTOR
 637 -DIFFUSERS PER GRID
 1274 -TOTAL DIFFUSERS INSTALLED FOR THIS GRID TYPE

GRID TYPE '3'
 2 -TANK(S)
 1 -GRID(S) PER TANK
 12 -AIR DISTRIBUTORS PER GRID
 53 -DIFFUSERS PER AIR DISTRIBUTOR
 636 -DIFFUSERS PER GRID
 1272 -TOTAL DIFFUSERS INSTALLED FOR THIS GRID TYPE

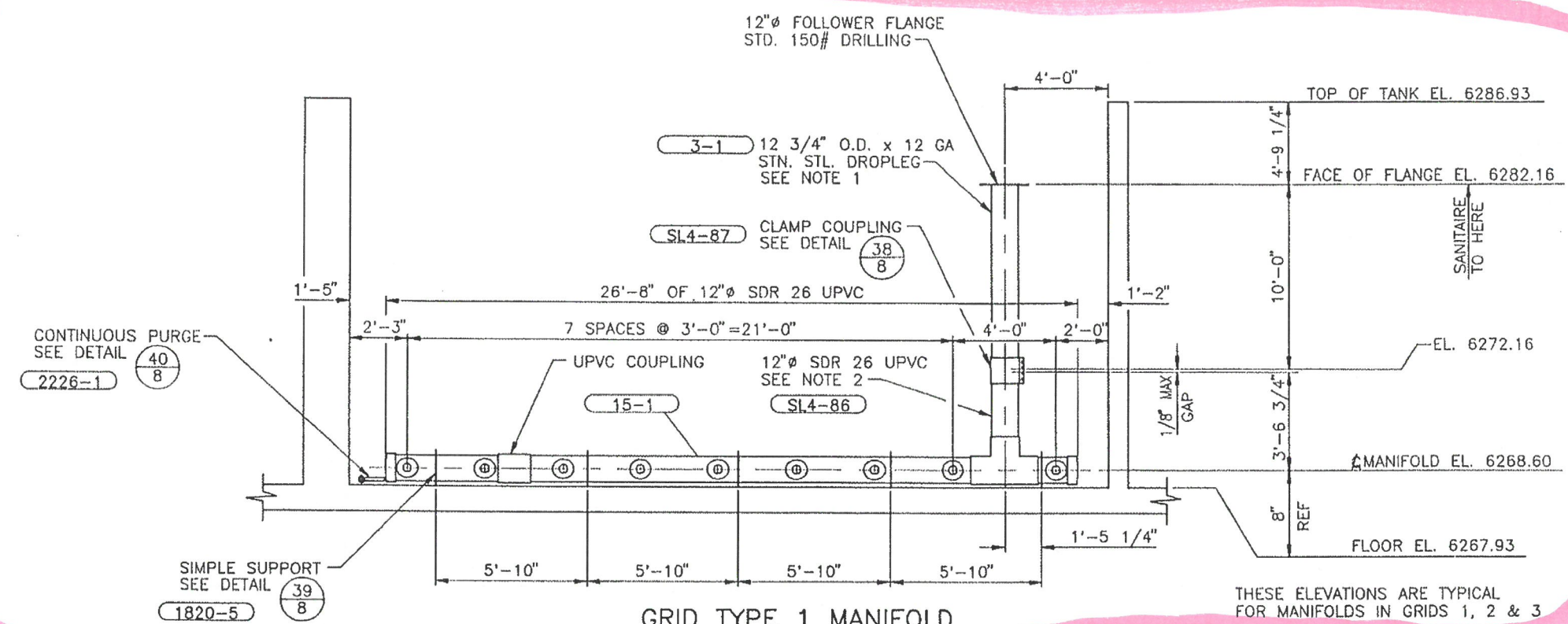
MEMBRANE DISC AERATION MATERIAL AND MANUFACTURING SPECIFICATIONS			
ITEM	MATERIAL SPECIFICATION	MANUFACTURING SPECIFICATION	NOTES
DROPLEG	304L STAINLESS STEEL ASTM A240	FITTINGS: TODMAN PRODUCTS DIMENSIONS: ASTM A774 ASTM A778 ASTM A530	150# DRILING FOR FLANGE AT TOP OF DROPLEG
SUPPORTS	304L STAINLESS STL		1" GRADE NOT REQUIRED FOR NON-WELDED PARTS
BOLTS, NUTS, WASHERS	18-8 STAINLESS STL		
FIXED JOINT O-RING	NATURAL RUBBER/SBR		45 ± 3 DIAMETER SHORE A COMPRESSION SET 5% MAX
EXPANSION JOINT O-RING	NATURAL RUBBER/SBR		40 ± 3 DIAMETER SHORE A 0.45 COEFFICIENT OF FRICTION MAX.
AIR MANIFOLD	UPVC, ASTM D1784 COMPOUND 12451-B	PPE FITTINGS: ASTM D1225 ASTM D1484	
AIR HEADERS	UPVC, ASTM D3915 COMPOUND 12452A	PPE & FITTINGS: ASTM D3021	MINIMUM 2% TITANIUM DIOXIDE
DIFFUSER HOLDER	UPVC, ASTM D3915 COMPOUND 12452A		MINIMUM 2% TITANIUM DIOXIDE
DIFFUSER ELEMENT	EPDM		
PVC SOLVENT WELDING	ASTM D2564	ASTM D2855	



**OXIDATION CHANNELS
 PLAN VIEW**
 SOUTH CHANNEL SHOWN,
 NORTH CHANNEL MIRROR IMAGE

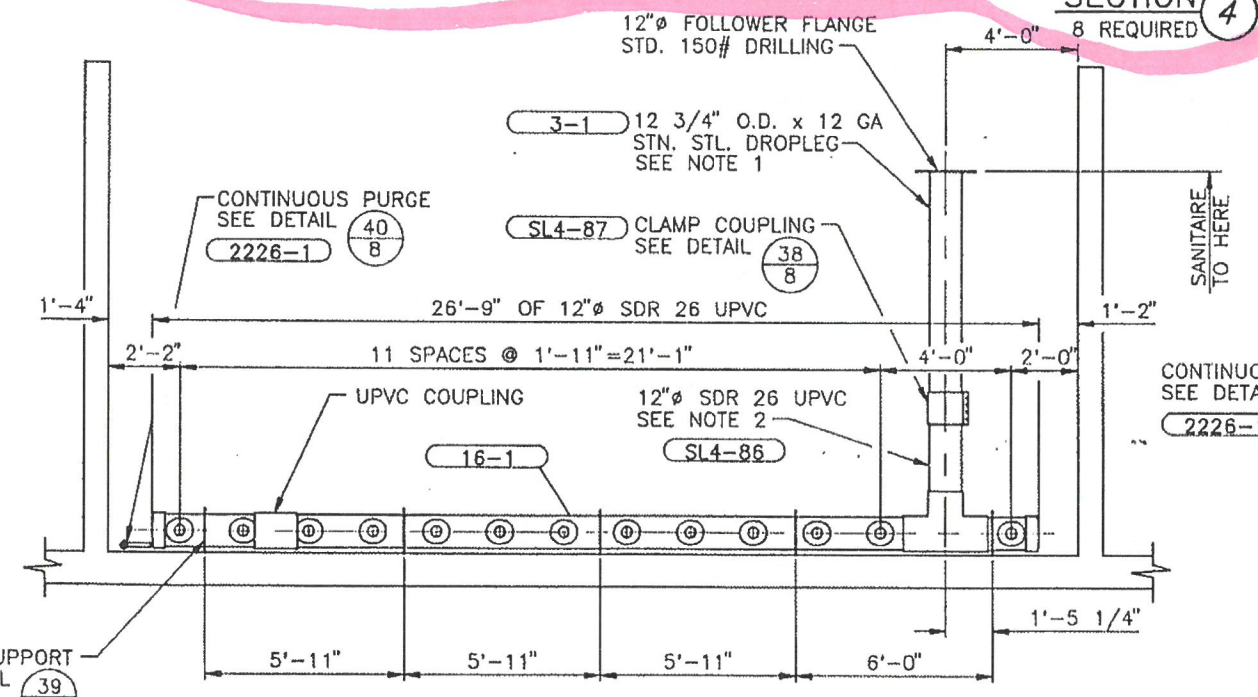
VIEW, SECTION OR
 DETAIL NUMBER
 2/3
 SHEET NUMBER ON WHICH
 VIEW, SECTION OR DETAIL
 IS FOUND

SANTA FE, NEW MEXICO AIRPORT ROAD WASTEWATER TREATMENT PLANT			
PLAN VIEW OXIDATION CHANNELS			
SANITAIRE WATER POLLUTION CONTROL CORP <small>MEMPHIS, MISSISSIPPI</small>			
DRWN BY: SRA	DATE: 8-21-92	MOOD	JOB: 92-2557
CHKD BY: [Signature]	DATE: 9-28-92	MEMB	SHT: E-1
CUST NO. 101730	NO. DATE	REVISION	BY
DWG NO.	NO. DATE	REVISION	BY

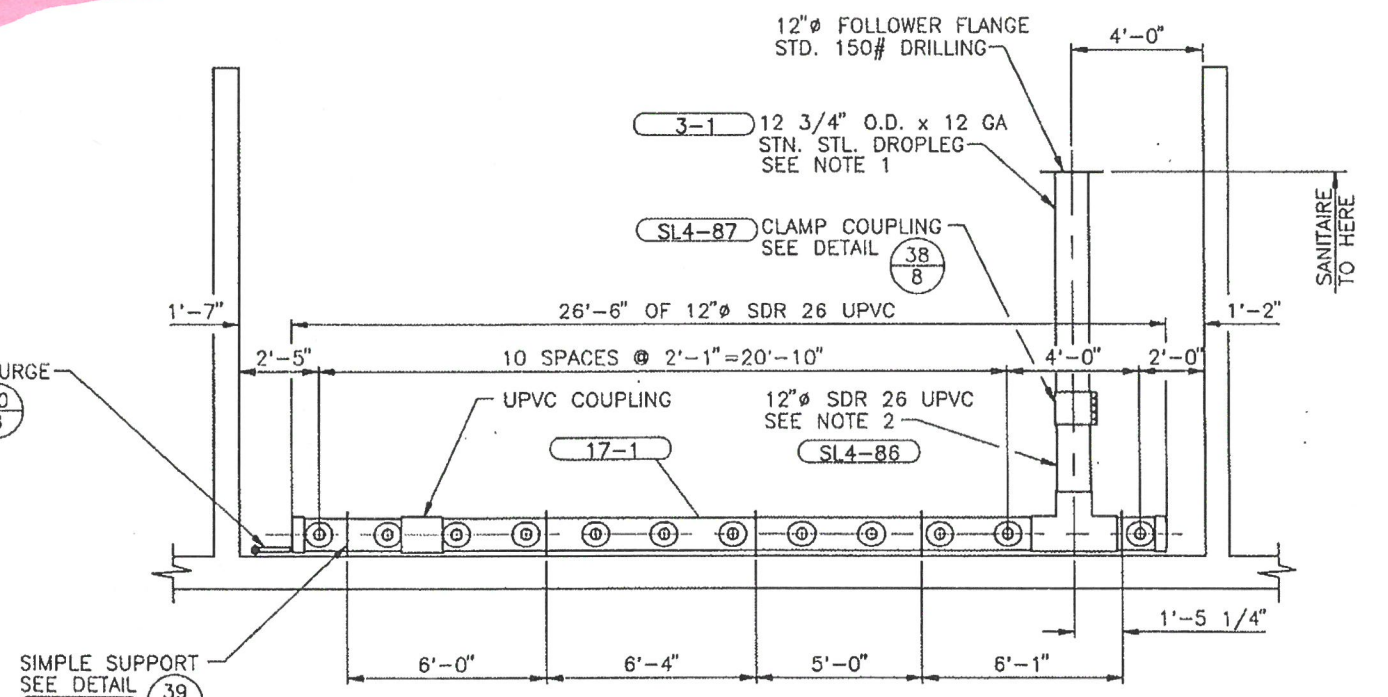


GRID TYPE 1 MANIFOLD SECTION 4
8 REQUIRED

THESE ELEVATIONS ARE TYPICAL FOR MANIFOLDS IN GRIDS 1, 2 & 3



GRID TYPE 2 MANIFOLD SECTION 5
2 REQUIRED



GRID TYPE 3 MANIFOLD SECTION 6
2 REQUIRED

NOTES

1. FULL WEIGHT OF DROPLEG TO BE SUPPORTED FROM ABOVE BY FLANGED CONNECTION TO AIR MAIN.
2. PVC DROPLEG WILL BE SHIPPED TO JOBSITE 6" LONGER THAN REQUIRED TO ACCOUNT FOR TANK VARIANCES. CONTRACTOR TO CUT TO SUIT AND SOLVENT WELD INTO MANIFOLD TO MAINTAIN 1/8" MAXIMUM GAP BETWEEN STN STL AND PVC DROPLEGS.

SANTA FE, NEW MEXICO
AIRPORT ROAD
WASTEWATER TREATMENT PLANT

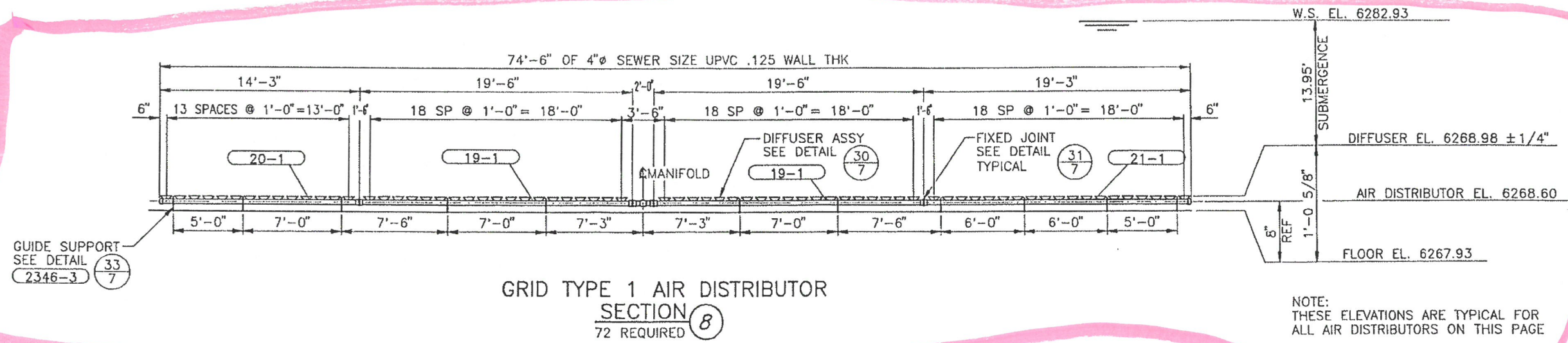
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GRID TYPES 1, 2 & 3

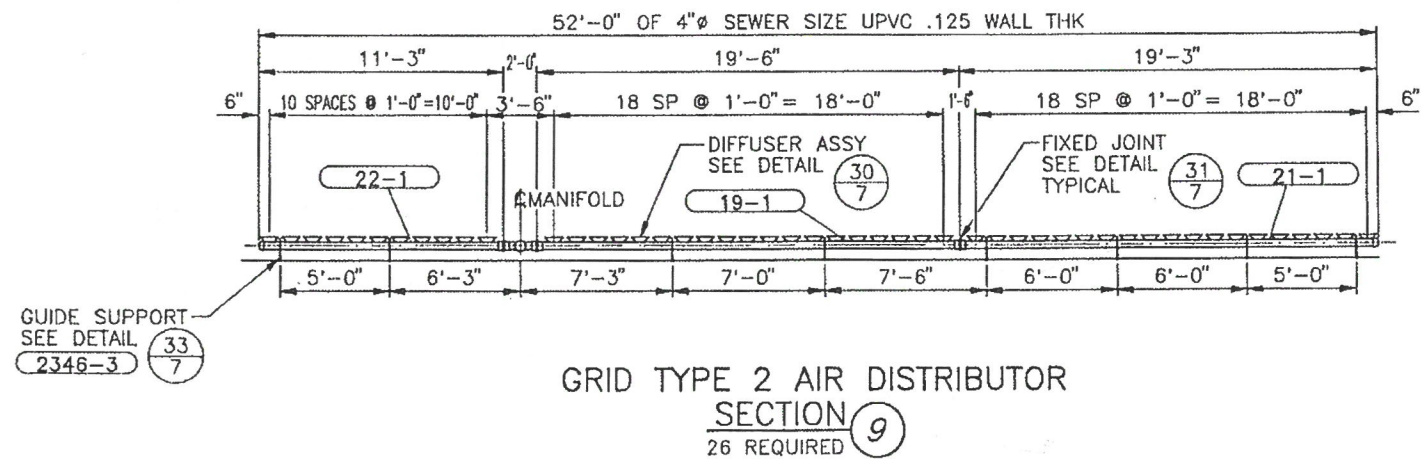
MANIFOLD SECTIONS



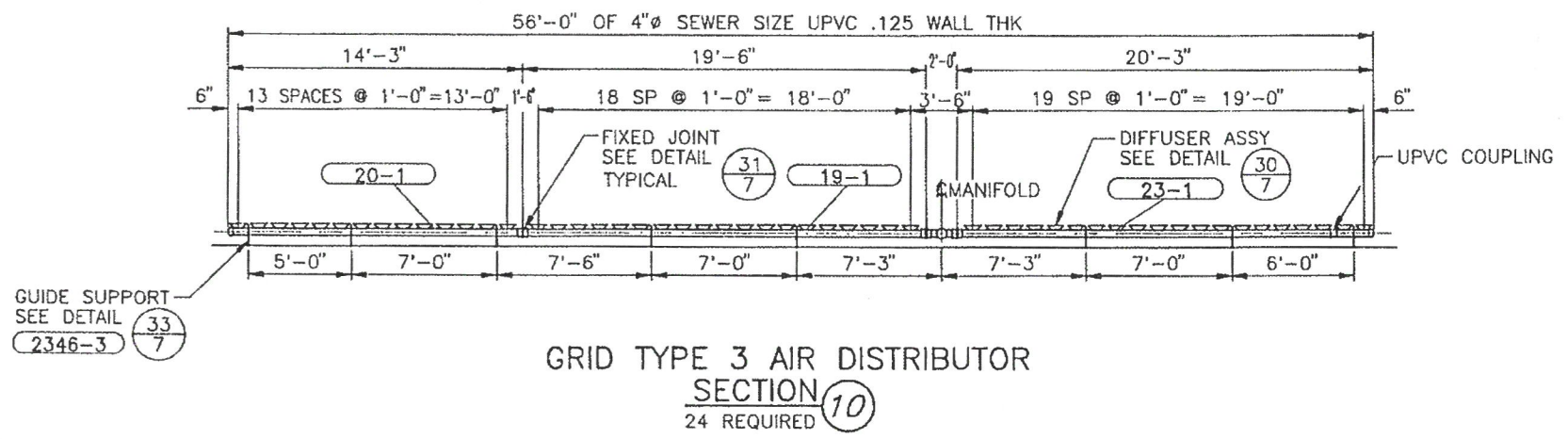
CUST NO.	101730	DATE	8-23-92	WEEK		JOB	92-2557
DWG NO.		NO.		DATE	9-10-92	MEMB	
		DATE		BY		SH	E-2



GRID TYPE 1 AIR DISTRIBUTOR
SECTION 8
72 REQUIRED



GRID TYPE 2 AIR DISTRIBUTOR
SECTION 9
26 REQUIRED



GRID TYPE 3 AIR DISTRIBUTOR
SECTION 10
24 REQUIRED

NOTE: SUPPORT SPACING

Every attempt has been made to insure locational dimensions of the supports are correct. However, after one line of air distributor anchors for any grid type have been installed, the locations must be checked for proper clearances by installing the supplied air headers. Spacing between lines must be checked for fit with the cross manifold and drain line. Any discrepancies or interferences must be brought to the attention of SANITAIRE prior to further installation.

The actual support anchor locations must be indexed from the centerline of the manifold. The actual accumulative dimensional error from the manifold to the anchor bolt must not exceed $\pm 3/4"$.

SANTA FE, NEW MEXICO
AIRPORT ROAD
WASTEWATER TREATMENT PLANT

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GRID TYPES 1, 2 & 3
AIR DISTRIBUTOR SECTIONS

SANITAIRE
WATER POLLUTION CONTROL CORP
MILWAUKEE, WISCONSIN

DESIGN NO.	101730	NO.		DATE		REVISION		BY		APPROVED BY	
DATE	9-23-81	MODEL		JOB	92-2557	MEMB		SH	E-3		