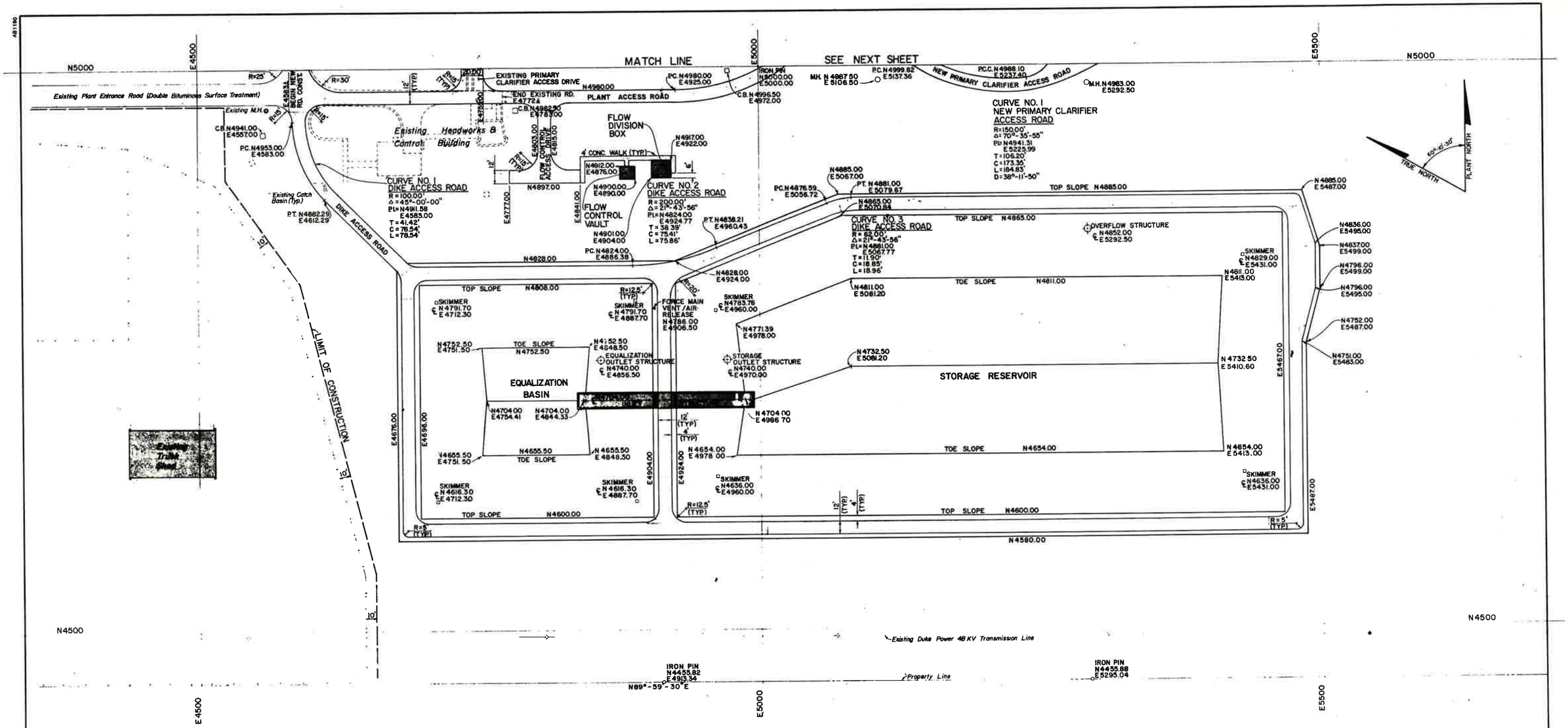


KEY PLAN

NO	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

RUSSELL & AXON
Engineers — Planners — Architects

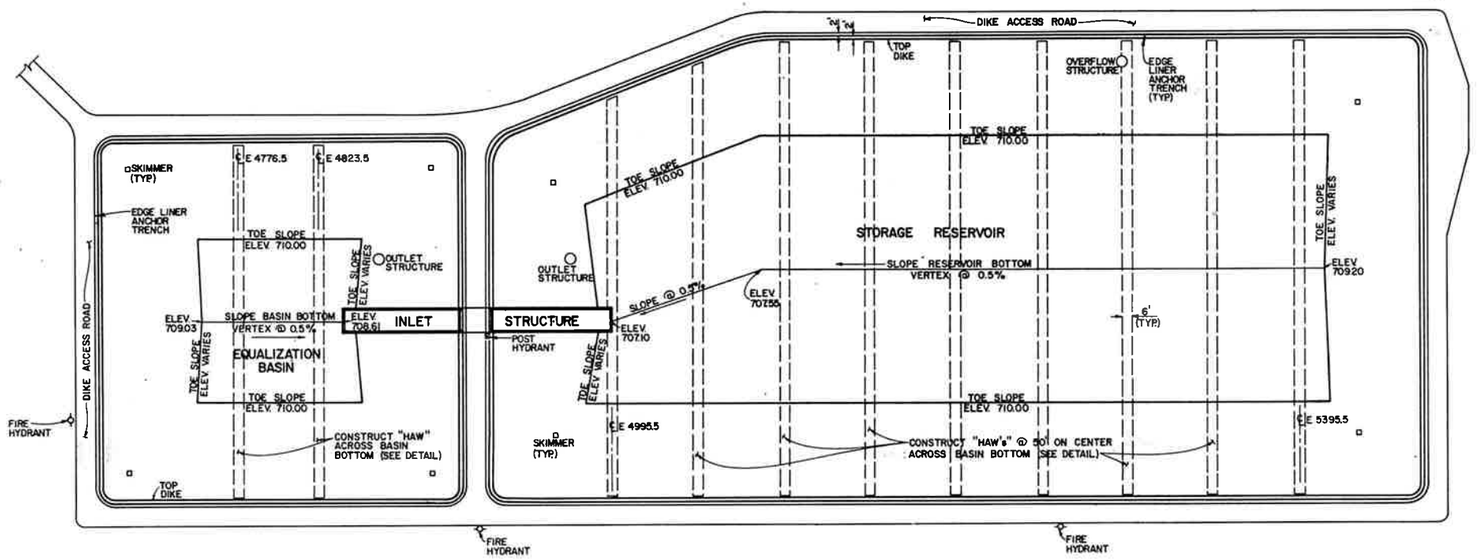
UPGRADE AND EXPANSION
ROCKY RIVER WASTEWATER TREATMENT PLANT
ANDERSON, SOUTH CAROLINA

SITE LOCATION PLAN

DESIGNED BY	CHECKED BY	SCALE	SHEET
J.B.B.	C.M.J.	1" = 40'	I-G-2
DRAWN BY	DATE	FILE NO	
K.H.M.	2/89	02315	

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER JAMES B. BROTLEY

AB1190

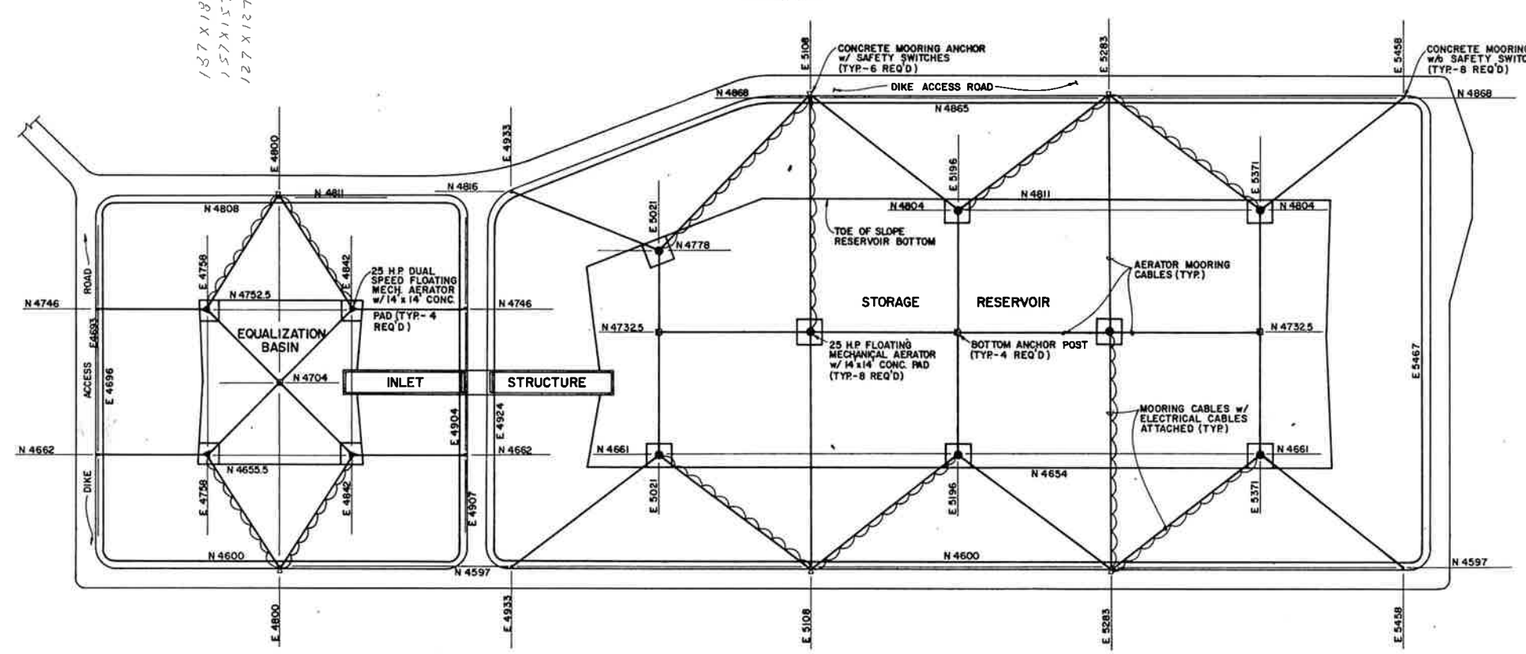


NOTE: BOTH THE EQUALIZATION BASIN AND STORAGE RESERVOIR SHALL BE FULLY LINED WITH A 40 MIL, HIGH DENSITY, POLYETHELENE (HDPE) LINER AND SHALL BE INSTALLED OVER A PREPARED BASE IN COMPLETE COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

EQUALIZATION BASIN & STORAGE RESERVOIR LINER & BOTTOM GRADING PLAN

SCALE: 1"= 40'

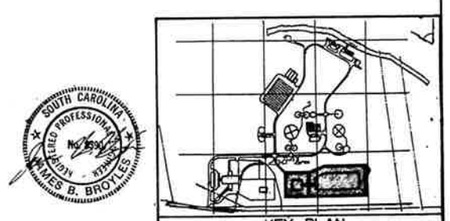
127 x 127
127 x 127
127 x 127



EQUALIZATION BASIN & STORAGE RESERVOIR AERATOR LAYOUT PLAN

SCALE: 1"= 40'

111132



SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER JAMES B. BROYLES

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

RUSSELL & AXON
Engineers — Planners — Architects

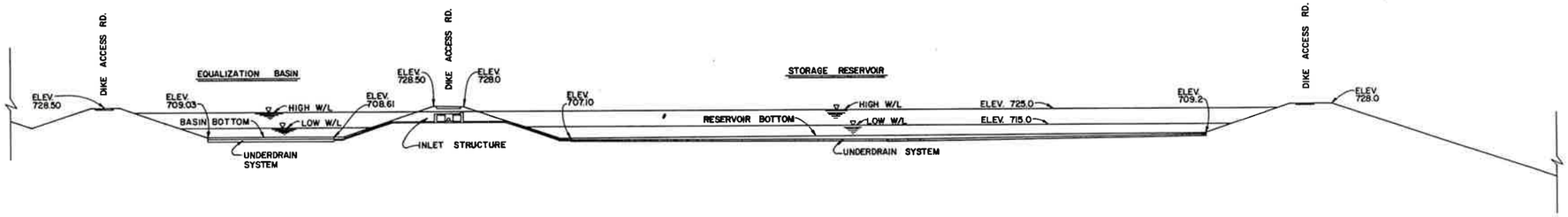
UPGRADE AND EXPANSION
ROCKY RIVER WASTEWATER TREATMENT PLANT
ANDERSON, SOUTH CAROLINA

EQUAL. BASIN & STORAGE RES. PLANS

DESIGNED BY	CHECKED BY	SCALE	SHEET
J.B.B.	C.M.J.	1"=40'	3-P-1
DRAWN BY	DATE	FILE NO.	
K.H.M.	2/89	02315	

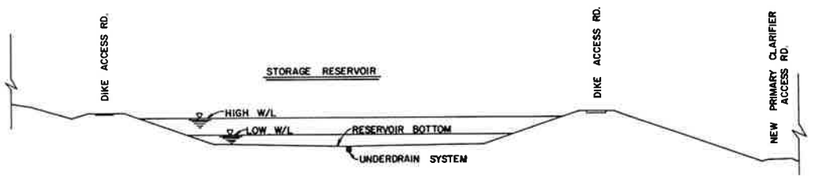
PIEDMONT PRINTMAKERS

AB1190



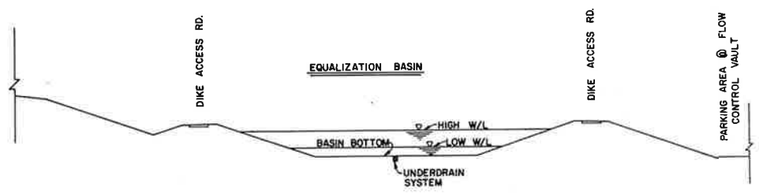
LONGITUDINAL SECTION OF EQUALIZATION BASIN & STORAGE RESERVOIR

(LOOKING NORTH THRU ℄ OF BOTTOMS)



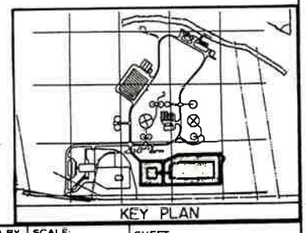
SECTION OF STORAGE RESERVOIR

(LOOKING WEST AT E5195.50)



SECTION OF EQUALIZATION BASIN

(LOOKING WEST AT E4800.00)



KEY PLAN

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 15590 JAMES B. BROYLES

NO	DATE	DESCRIPTION	BY	CKD
		REVISIONS		

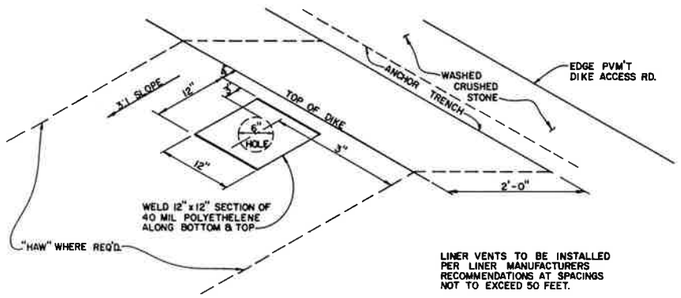
RUSSELL & AXON
Engineers — Planners — Architects

UPGRADE AND EXPANSION
ROCKY RIVER WASTEWATER TREATMENT PLANT
ANDERSON, SOUTH CAROLINA

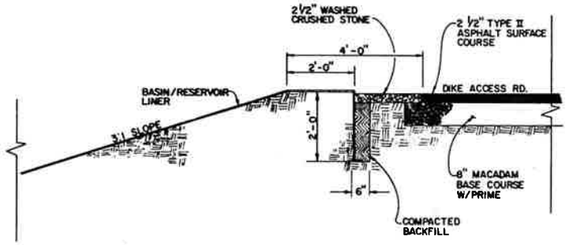
EQUALIZ. BASIN & STORAGE RES.
TYPICAL CROSS SECTIONS

DESIGNED BY	CHECKED BY	SCALE:	SHEET
J.B.B.	C.M.J.	1"=40'	3-P-2
DRAWN BY	DATE	FILE NO.	
C.M.B.	2/89	02315	

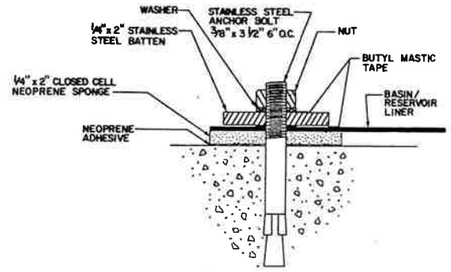
PRESSMEN PRINTMAKERS



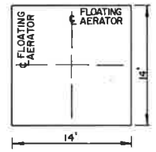
TYPICAL LINER VENT INSTALLATION
N.T.S.



BASIN / RESERVOIR LINER TYPICAL ANCHOR TRENCH DETAIL
N.T.S.



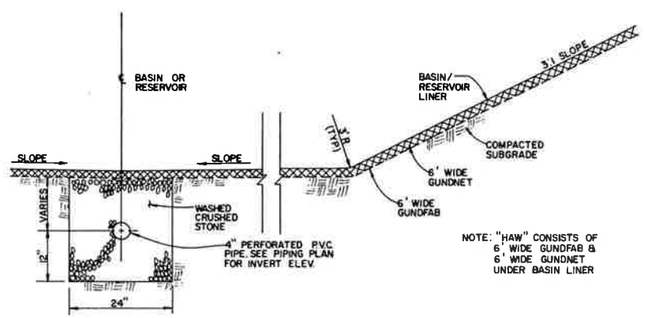
LINER ANCHORING TO STRUCTURE
N.T.S.



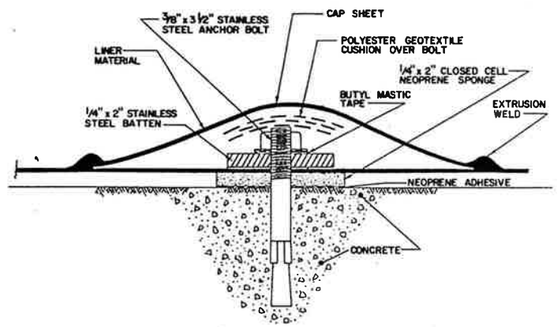
14' SQ x 4" TH. CONCRETE PAD, POURED ON BASIN/RESERVOIR LINER. CONCRETE TO CONTAIN FIBROUS REINFORCEMENT.



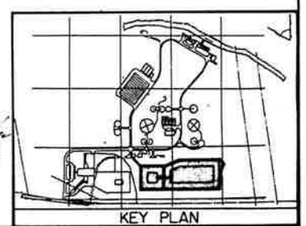
AERATOR PAD
N.T.S.



UNDERDRAIN & "HAW" DETAIL
N.T.S.



ANCHORING TO STRUCTURE WITH CAP SHEET
N.T.S.



KEY PLAN

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 15501 JAMES B. BROYLES

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

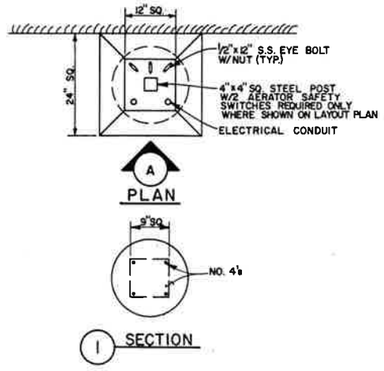
RUSSELL & AXON
Engineers — Planners — Architects

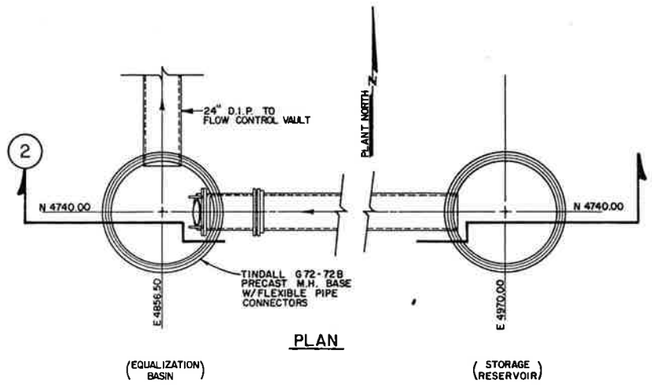
UPGRADE AND EXPANSION
ROCKY RIVER WASTEWATER TREATMENT PLANT
ANDERSON, SOUTH CAROLINA

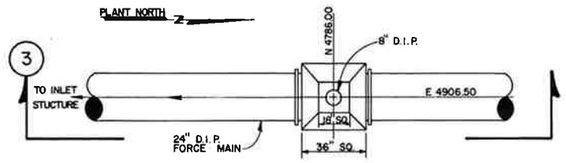
EQUAL. BASIN AND STORAGE RES. DETAILS

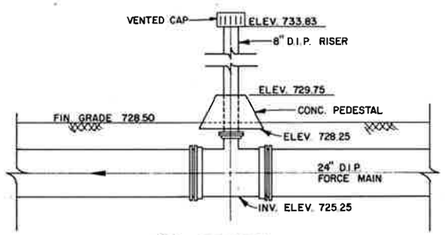
DESIGNED BY	CHECKED BY	SCALE:	SHEET
J.B.B.	C.M.J.	N.T.S.	3-P-3
DRAWN BY	DATE	FILE NO.	
C.M.B.	2/89	02315	

PRESCOTT PRINTMAKERS

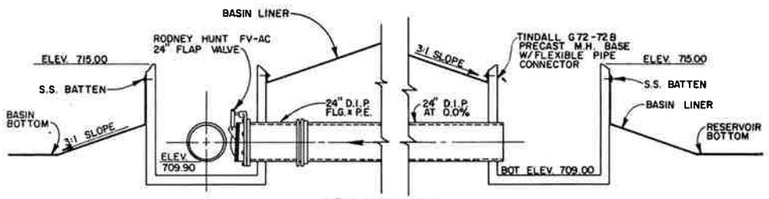




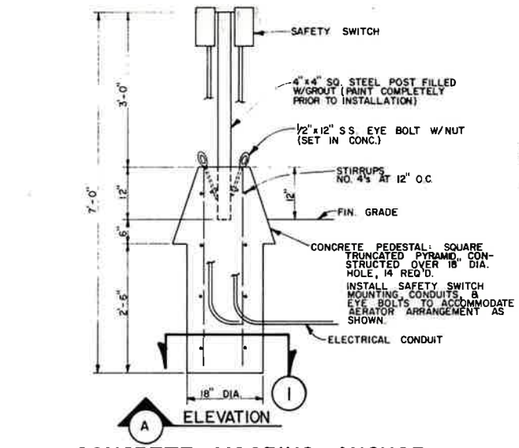




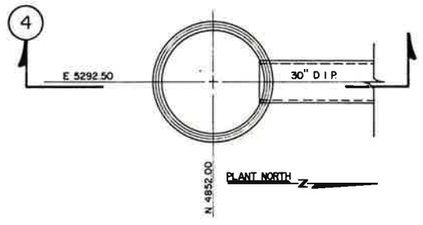
FORCE MAIN VENT / AIR RELEASE
N.T.S.

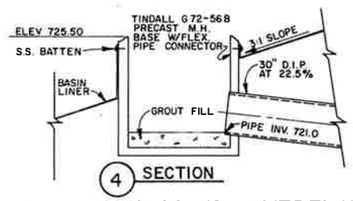


BASIN / RESERVOIR OUTLET STRUCTURES
N.T.S.

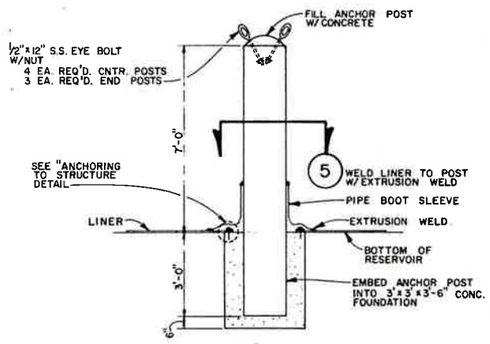


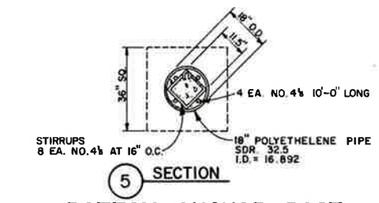
CONCRETE MOORING ANCHOR
SCALE : 3/4" = 1'-0"



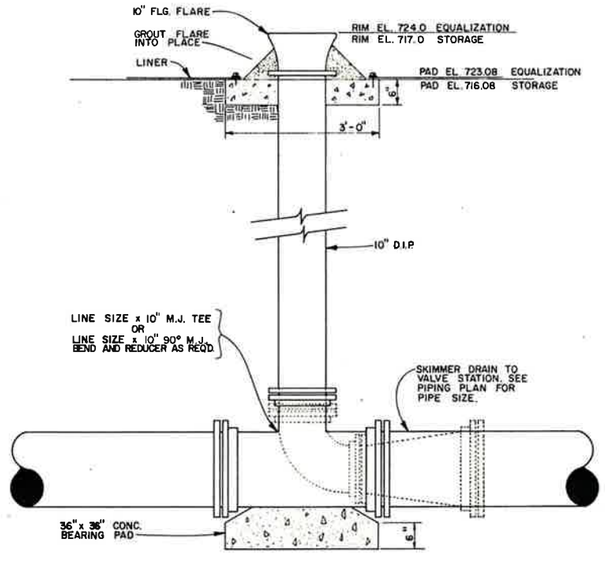


STORAGE RESERVOIR OVERFLOW STRUCTURE
N.T.S.

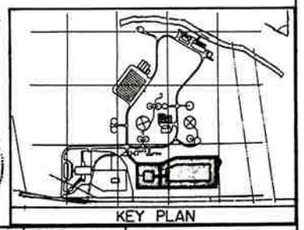




BOTTOM ANCHOR POST
N.T.S.



TYPICAL SKIMMER OUTLET
SCALE : 3/4" = 1'-0"



SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 7974 ROBERT TOLAR

NO.	DATE	DESCRIPTION	BY	CKD.
		REVISIONS		

RUSSELL & AXON
Engineers — Planners — Architects

UPGRADE AND EXPANSION
ROCKY RIVER WASTEWATER TREATMENT PLANT
ANDERSON, SOUTH CAROLINA

EQUAL. BASIN AND STORAGE RES. DETAILS

DESIGNED BY	CHECKED BY	SCALE:	SHEET
J.R.T.	C.M.J.	N.T.S.	3-P-4
DRAWN BY	DATE	FILE NO.	
R.C.B.	2/89	02315	