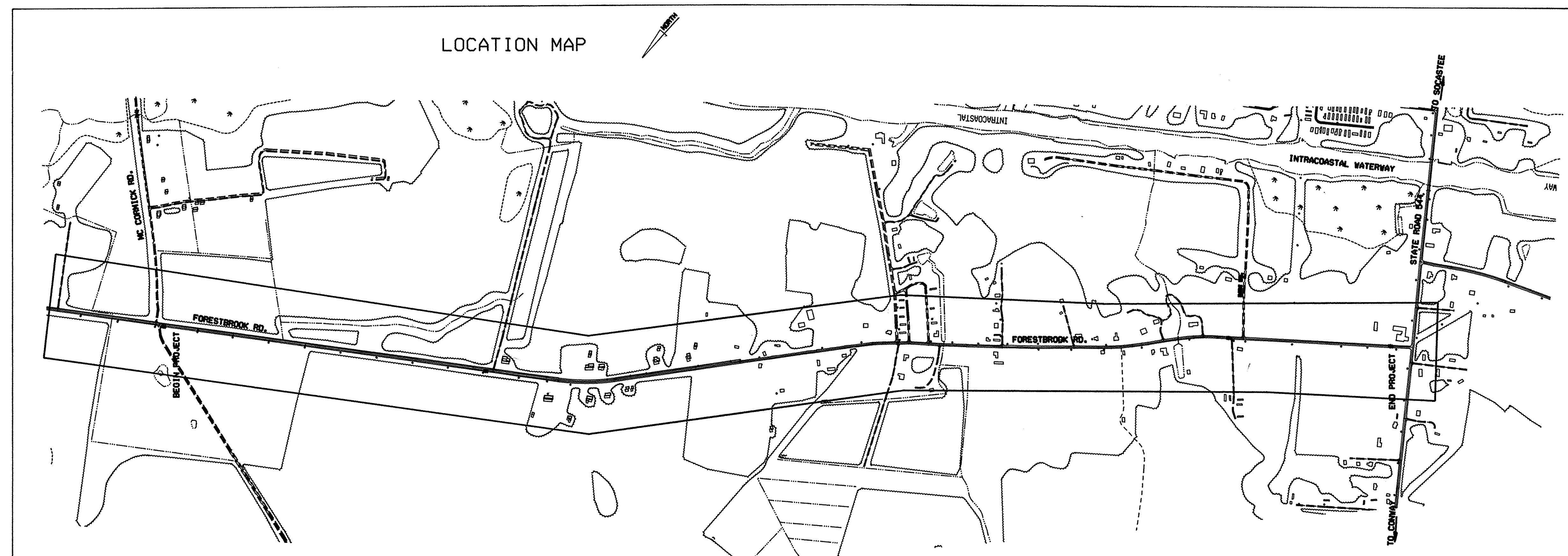


GRAND STRAND WATER & SEWER AUTHORITY

FORESTBROOK RD. FORCE MAIN PHASE II

MC CORMICK RD. TO HIGHWAY 544

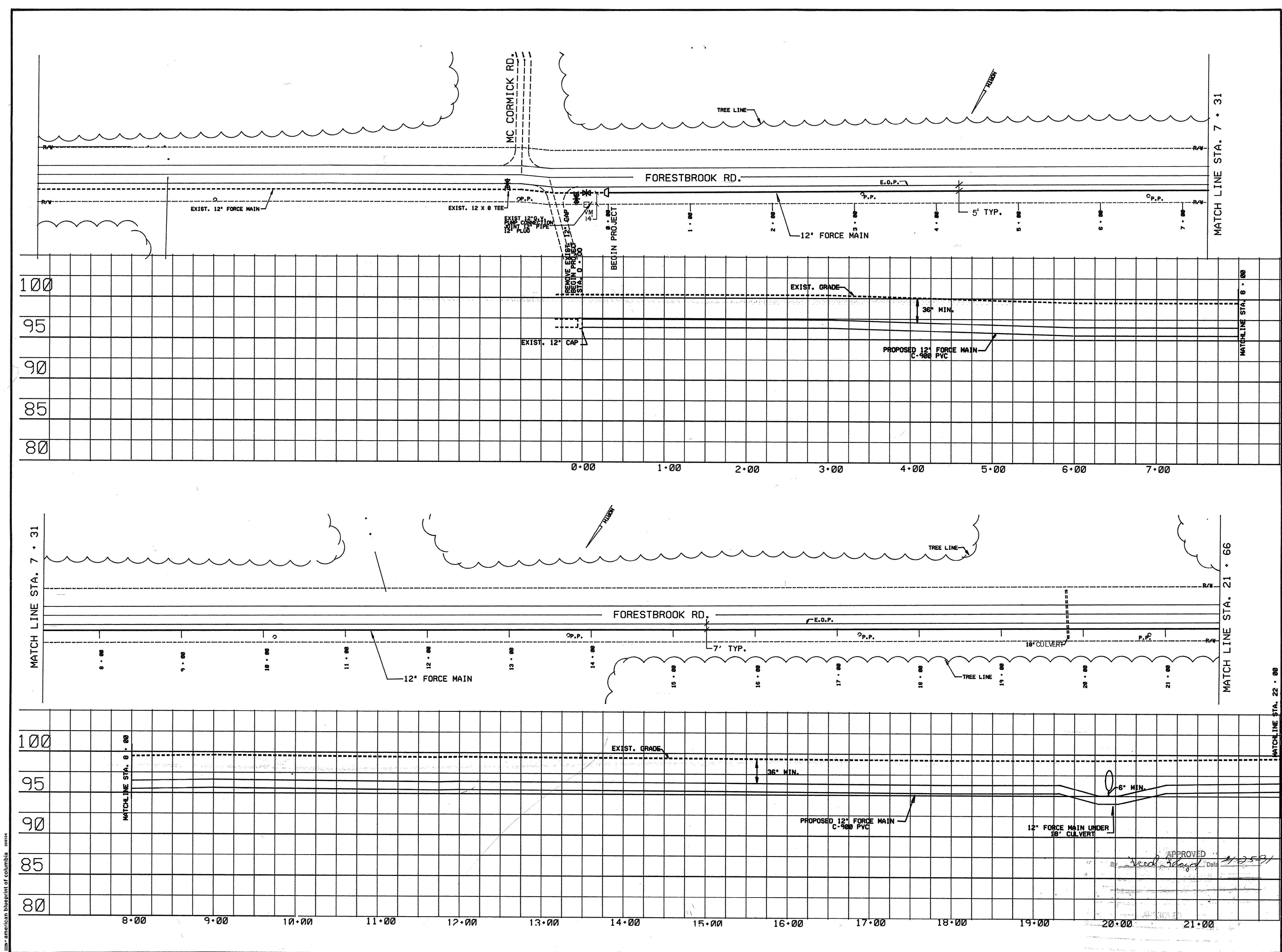


GENERAL NOTES:

1. ALL MATERIAL, WORKMANSHIP, CONSTRUCTION, AND TESTING SHALL CONFORM TO THE GSW&SA'S STANDARD PLANS AND SPECIFICATIONS
2. THE GSW&SA WILL SECURE ALL NECESSARY ENCROACHMENT PERMITS FROM APPLICABLE PUBLIC AGENCIES.
3. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, AS SHOWN ON THESE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO GSW&SA AND ARE APPROXIMATE ONLY; GSW&SA ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN.
4. NO CONSTRUCTION SHALL COMMENSE WITHOUT PRIOR APPROVAL OF THE GSW&SA.
5. THE NEW FORCE MAIN IS TO BE STAKED FOR LINE AND GRADE BY GSW&SA PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THIS WITH THE INSPECTOR.
6. ALL FENCES, SIDEWALKS, FLOWERS, SHRUBS AND OTHER PRIVATE PROPERTY ITEMS DAMAGED AS A RESULT OF THE CONTRACTORS WORK SHALL BE REPLACED AND/OR RESTORED TO MATCH PRIOR TO CONSTRUCTION CONDITIONS AT THE EXPENSE OF THE CONTRACTOR.

PREPARED BY:
GRAND STRAND WATER & SEWER AUTHORITY
PO BOX 1537 - CONWAY, SC 29526

APPROVED BY:
Fred R. Richardson
FRED R. RICHARDSON P.E. * 9853



REVISION	BY	DATE
ADDED DISTANCE D.T.		1/21/91

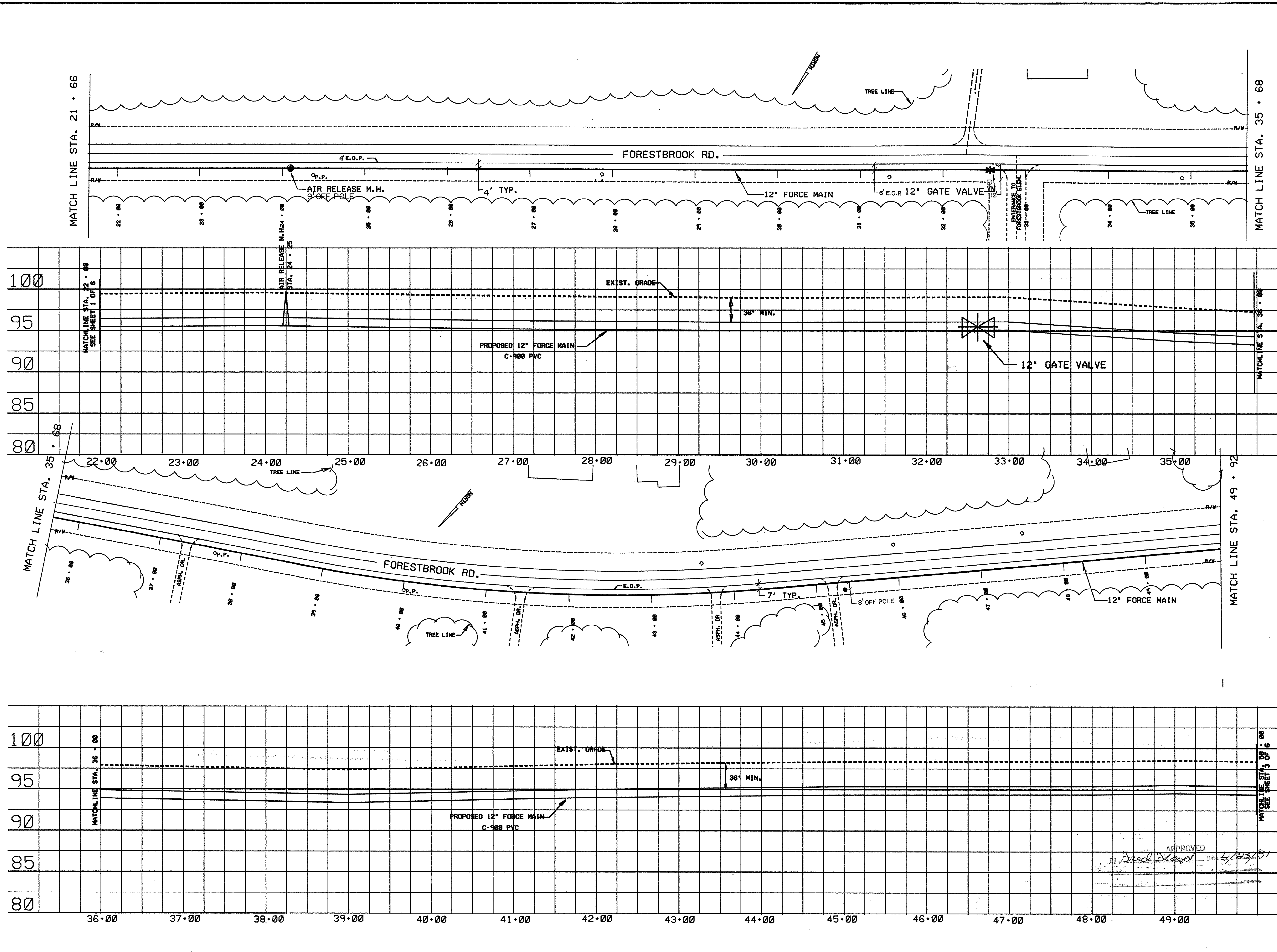
FORESTBROOK FORCE MAIN PH. II

Mc Cormick Rd. to Hwy. 544

GRAND STRAND WATER & SEWER AUTHORITY

P.O. BOX 1537, CONWAY, S.C. 29526
TELEPHONE (803) 347-4641 OR 448-1686

DATE	DEC. 1988
SCALE	1" = 5' Vert. 1" = 50' Horiz.
DRAWN BY	P.W.
CHECKED BY	L.W.
APPROVED BY	Fred Richardson FRED RICHARDSON P.E. NO. 9853
SHEET	1 OF 6
DRAWING NO.	15-21-002-S



REVISION	BY	DATE
ADD VM	DJ	1/21/91

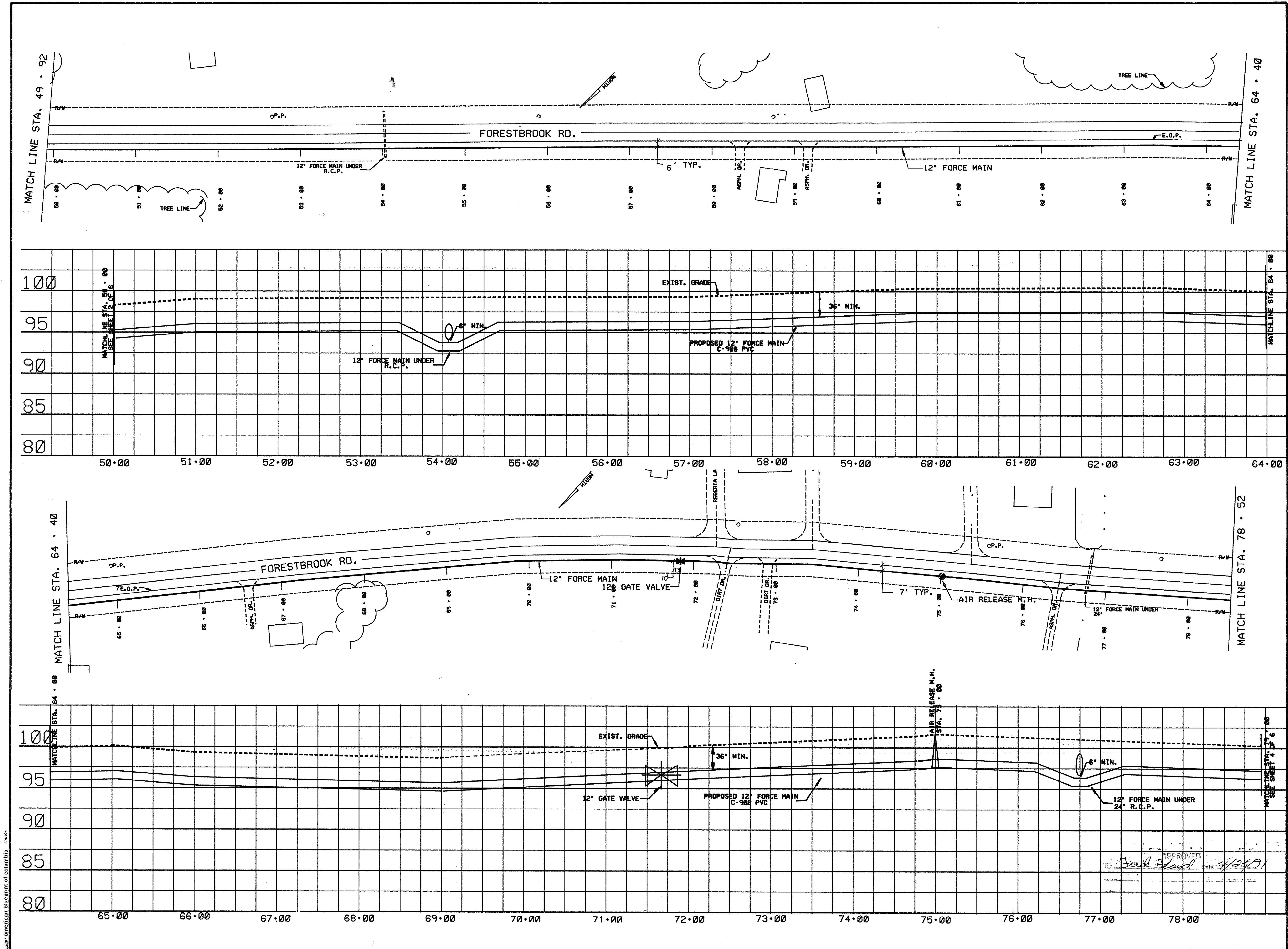
FORESTBROOK RD. FORCE MAIN PH. II

Mc Cormick Rd. to Hwy. 544

GRAND STRAND WATER & SEWER AUTHORITY

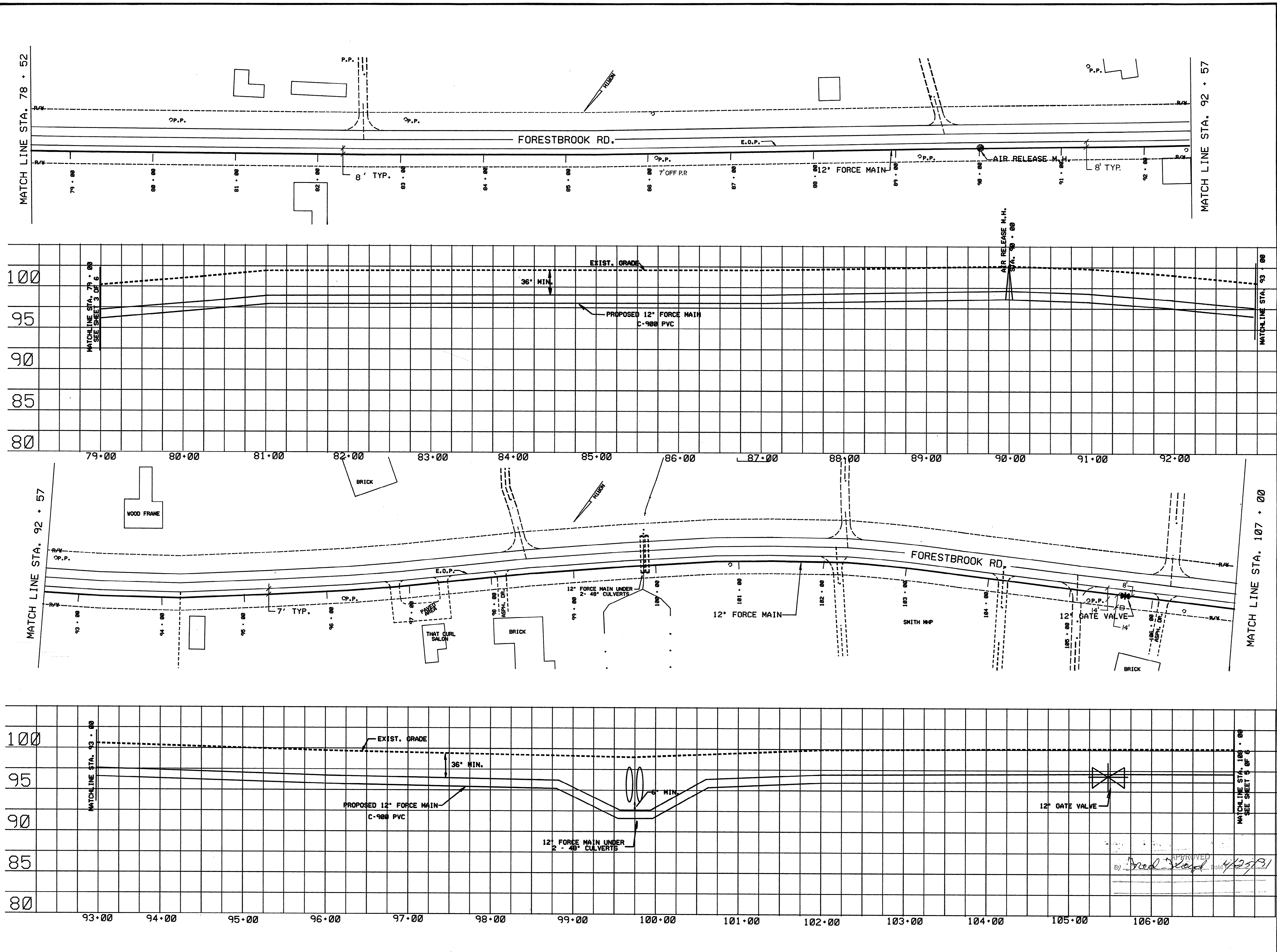
P.O. BOX 1537, CONWAY, S.C. 29526
TELEPHONE (803) 347-4641 OR 448-1686

DATE	DEC. 1988
SCALE	1" = 5' Vert. 1" = 50' Horiz.
DRAWN BY	P.W.
CHECKED BY	I.W.
APPROVED BY	<i>Fred Richardson</i>
FRED RICHARDSON P.E. NO. 9853	
SHEET 2 OF 6	
DRAWING NO.	5-21-003-S



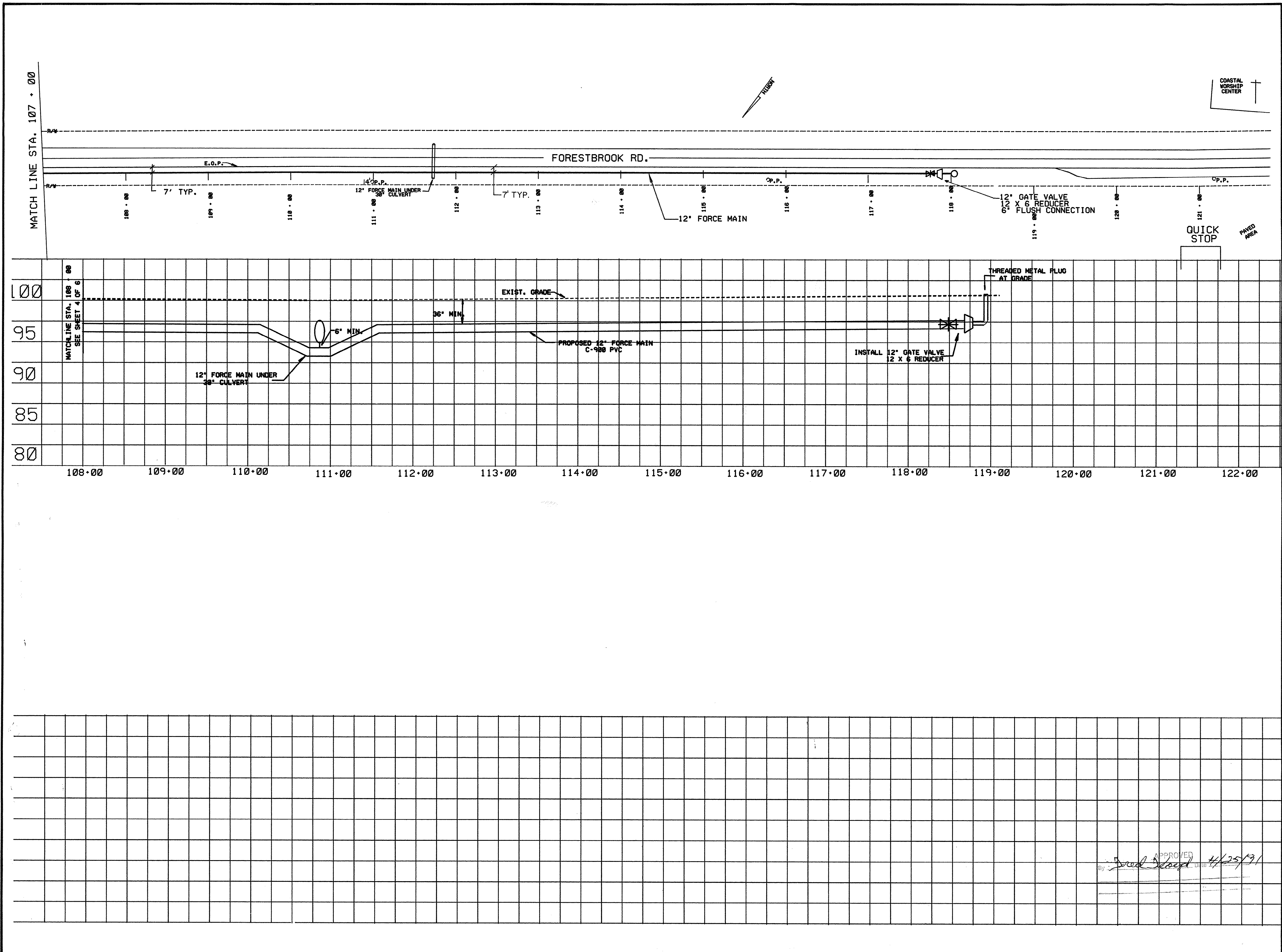
REVISION	BY	DATE
ADDED VM	DJ	1/21/91

FORESTBROOK RD. FORCE MAIN PH, II McCormick Rd. to Hwy. 544 GRAND STRAND WATER & SEWER AUTHORITY		TELEPHONE (803) 347-4641 OR 448-1686 P.O. BOX 1537, CONWAY, S.C. 29526
DATE	DEC 1988	
SCALE	1" = 5' Vert 1" = 50' Horiz.	
DRAWN BY	P.W.	
CHECKED BY	I.W.	
APPROVED BY	Fred Richardson FRED RICHARDSON P.E. NO. 9853	
SHEET	3 OF 6	
DRAWING NO.	15-21-004S	



REVISION	BY	DATE
ADDED VM	DJ	1/21/91

DATE	DEC. 1988
SCALE	1" = 5' Vert. 1" = 50' Horiz.
DRAWN BY	P.W.
CHECKED BY	I.W.
APPROVED BY	Fred Richardson P.E. NO. 9853
SHEET	4 OF 6
DRAWING NO.	15-21-0053

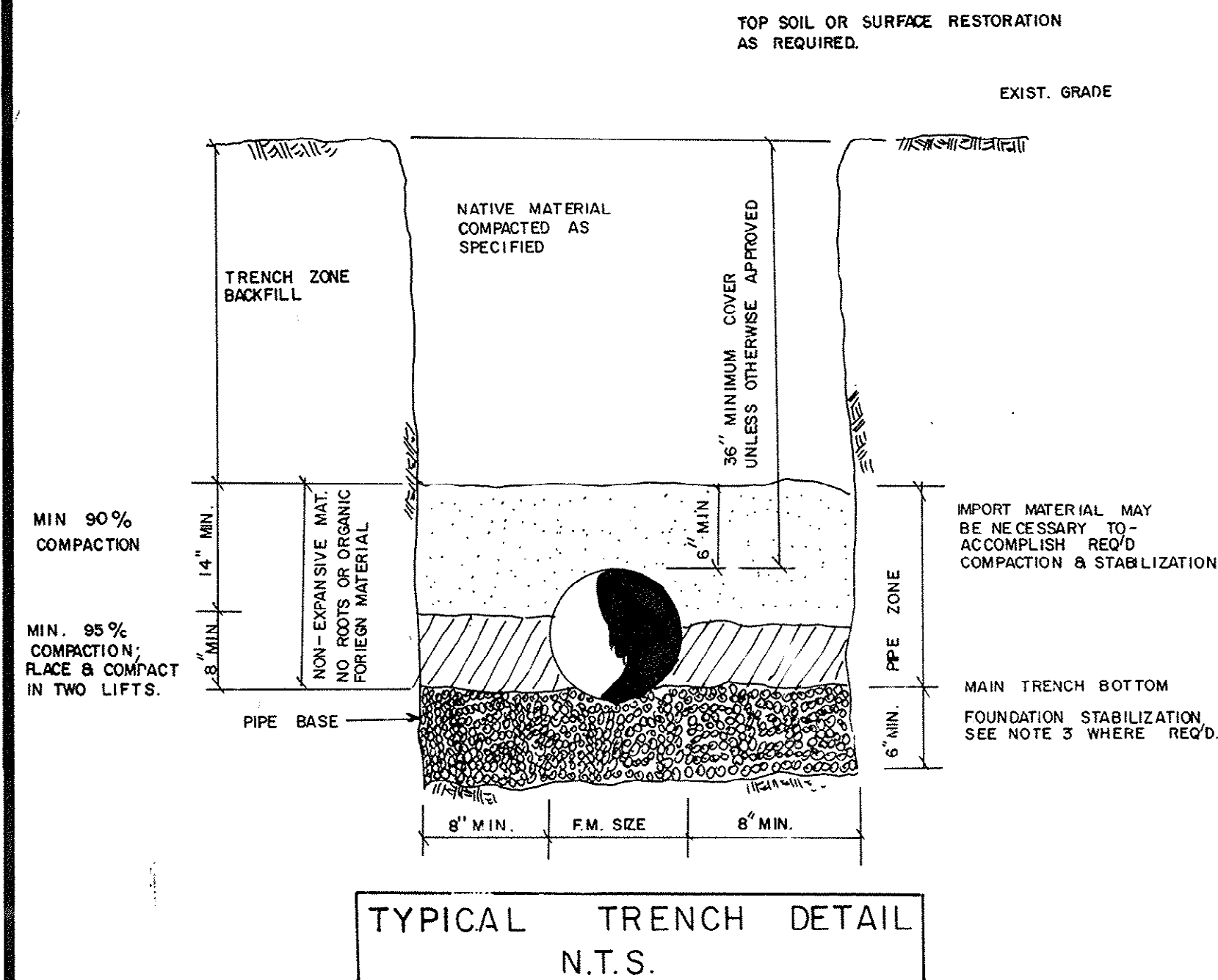


REVISION	BY	DATE
LENGTH PIPE	DJ	1/21/91

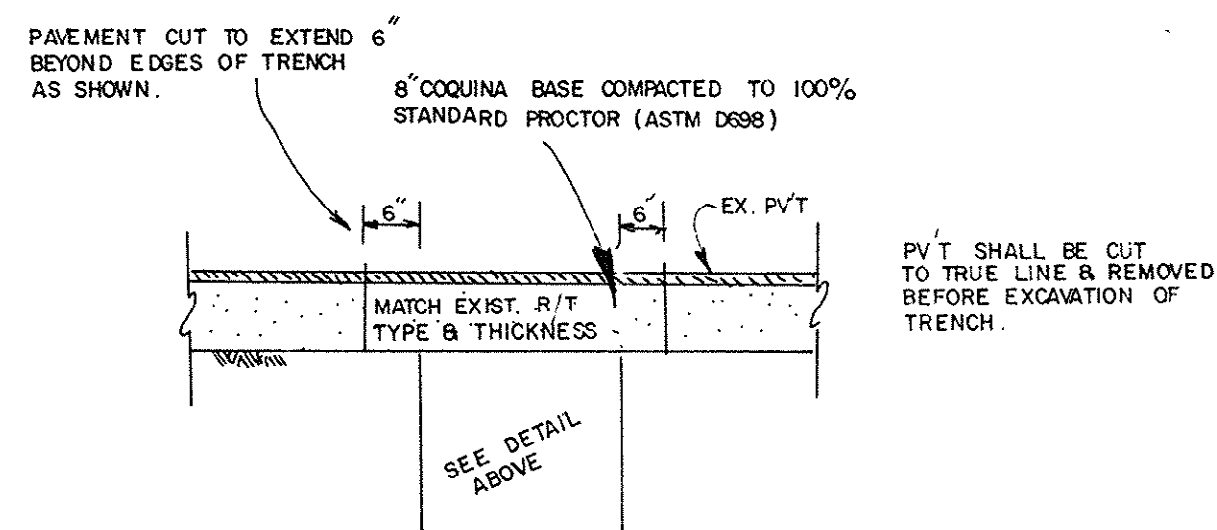
FORESTBROOK RD. FORCE MAIN PH. II
McCormick Rd. to Hwy. 544
GRAND STRAND WATER & SEWER AUTHORITY

P.O. BOX 1537, CONWAY, S.C. 29526
TELEPHONE (803) 347-4641 OR 448-1686

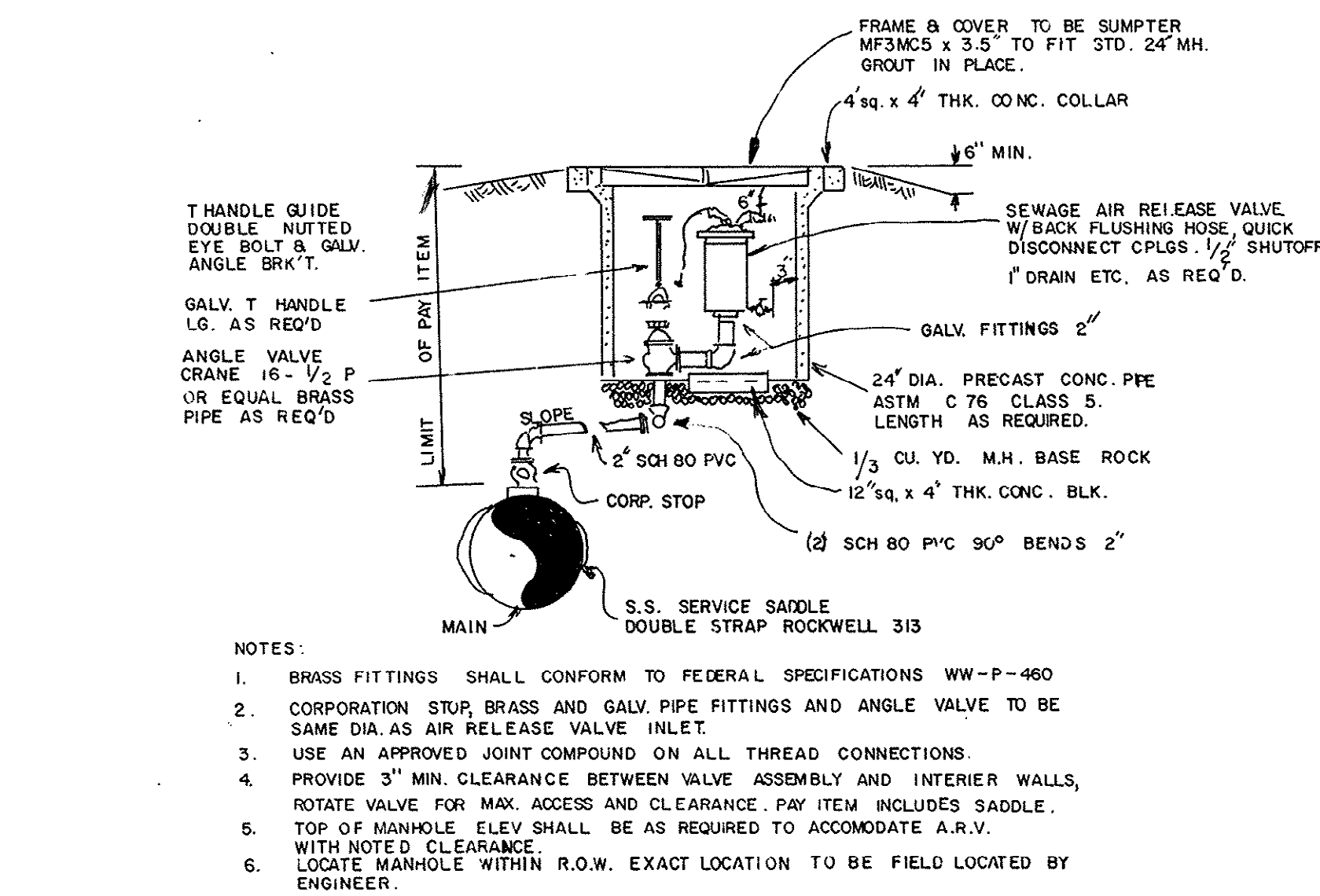
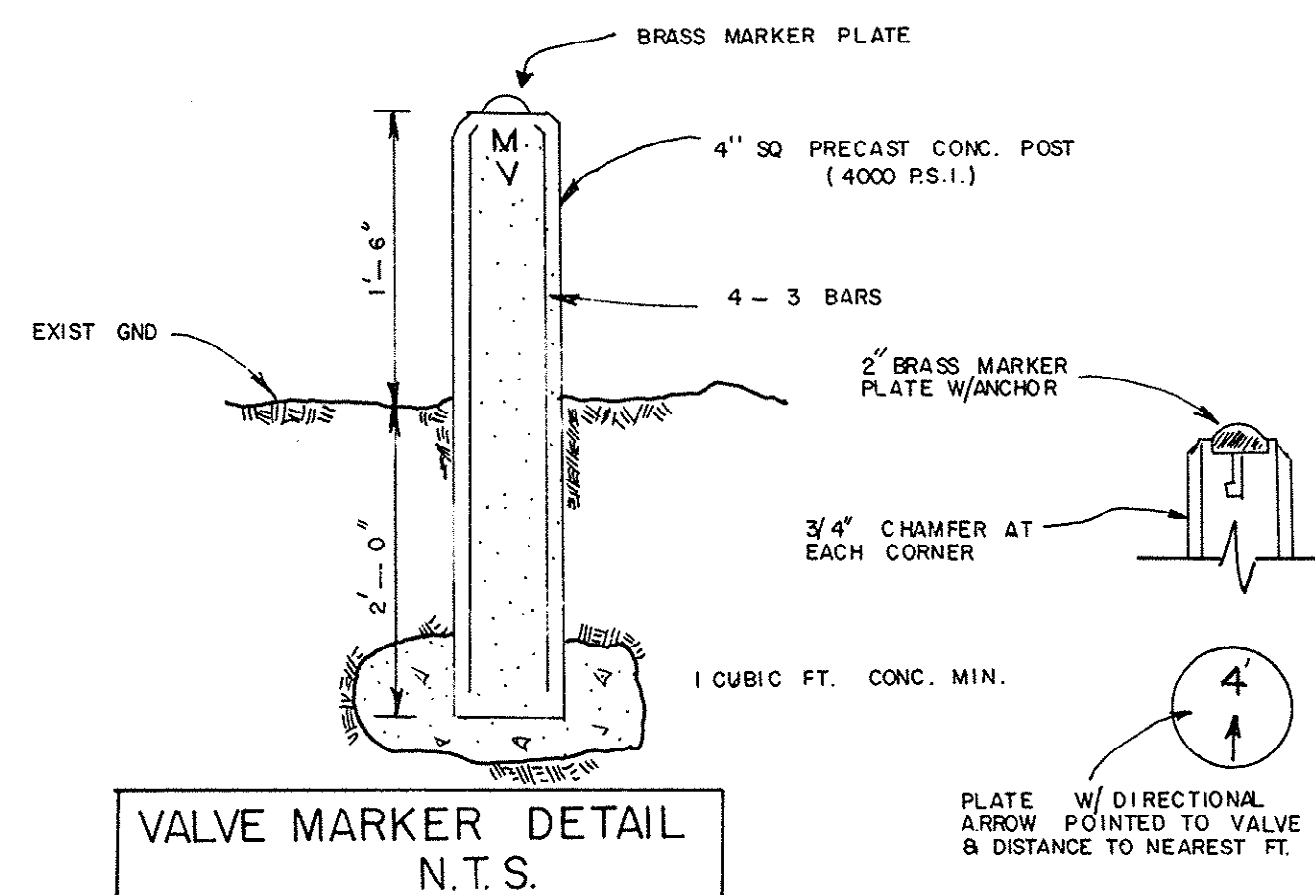
DATE	DEC. 1988
SCALE	1" = 5' Vert. 1" = 50' Horiz.
DRAWN BY	R.W.
CHECKED BY	I.W.
APPROVED BY	Fred Richardson
FRED RICHARDSON P.E. NO. 9853	
SHEET 5 OF 6	
DRAWING NO. 15-21-006-S	



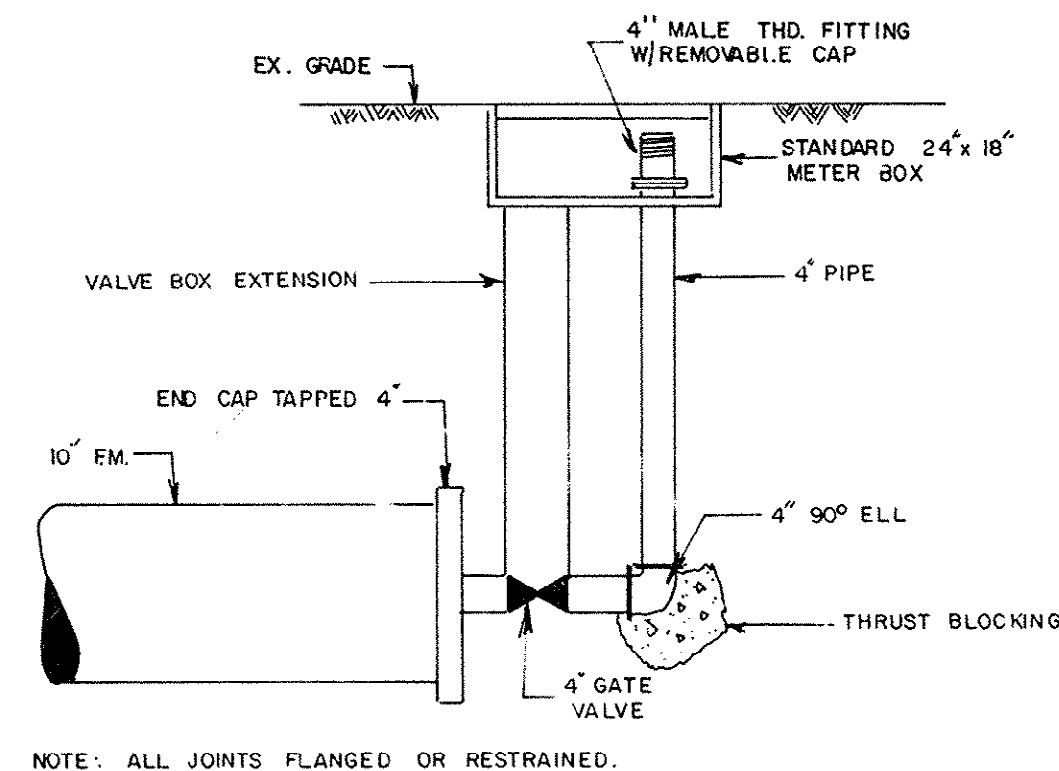
- NOTES:
- No pipe shall be laid in an excessive wet trench condition.
 - Contractor to receive trench condition approval from G.S.W.&S.A. inspector prior to pipe installation. Trench condition may vary over full length of line.
 - The following locations are expected to require foundation stabilization with import rock or other approved material. Additional locations may also be required.



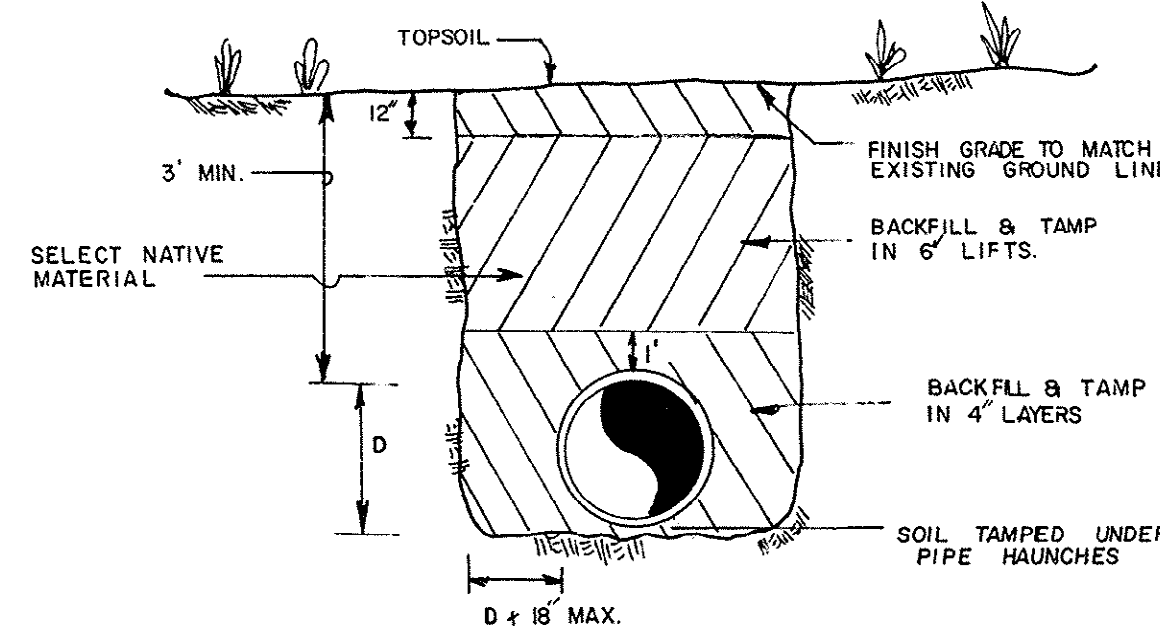
TYPICAL TRENCH PAVING FOR ALL P.V.T. LOCATIONS



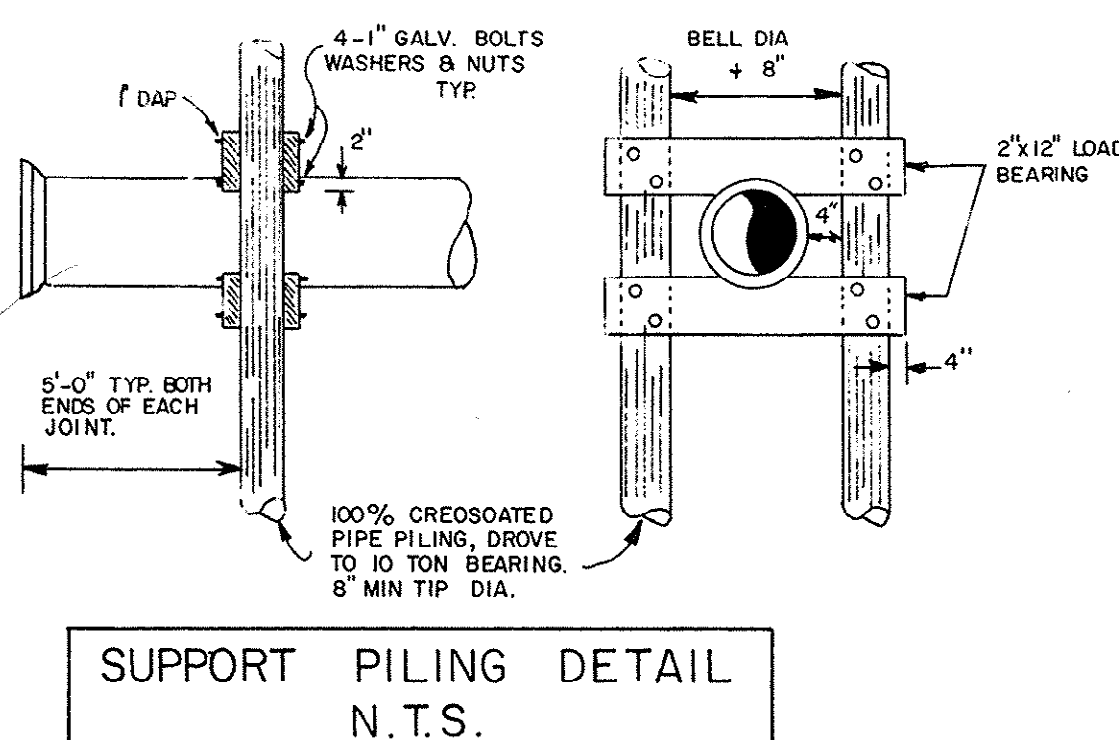
AIR RELEASE VALVE ASSEMBLY N.T.S.



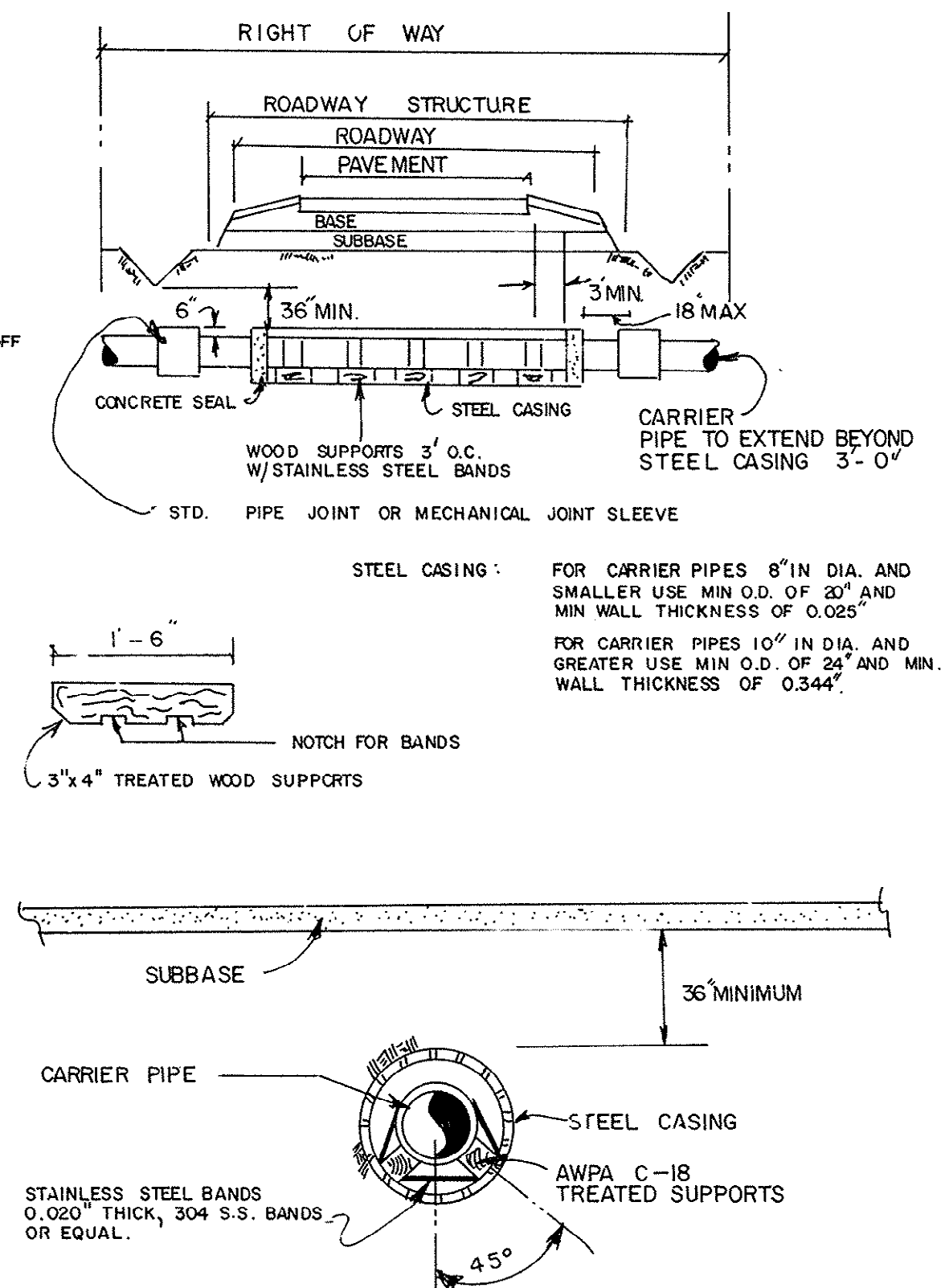
PUMP CONNECTION DETAIL N.T.S.



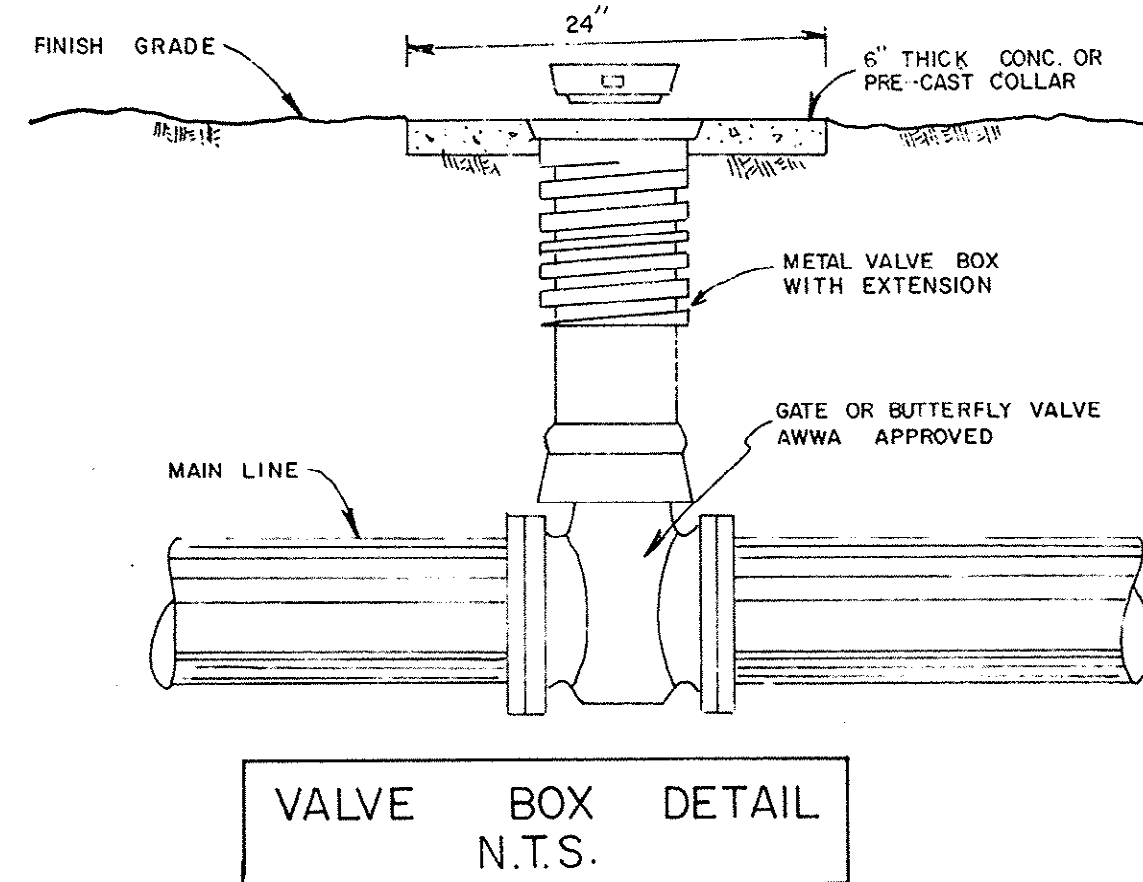
PIPE BEDDING DETAIL N.T.S.



SUPPORT PILING DETAIL N.T.S.



TYPICAL BORED CASING DETAIL N.T.S.



VALVE BOX DETAIL N.T.S.

REVISIONS

FORCE MAIN DETAIL SHEET

GRAND STRAND WATER & SEWER AUTHORITY

P.O. BOX 1537 CONWAY S.C. 29526 448-1686 — 347-4641

DATE	6-27-86
SCALE	NCT TO SCALE
DRAWN BY	R. TYLER
CHECKED BY	J. HEMBREE
APPROVED BY	<i>Fred Richardson</i>
SHEET	6 OF 6
DRAWING No:	15-21-007-S
Detail sheet to:	