PILE SUPPORT SYSTEM FOR ALL PIPE INSTALLED WITHIN RIVERINE AREA. CONC. PIPE ANCHORS WITHIN CREEK CROSSINGS.

BUCKSPORT RESTAURANT

DIRT ROAD

BOARDWALK

WACCAMAW RIVER FLOW

SWAMP LANDS

NORTH

SEE SOUTH TRANS. LINE - SECTION I

STA. 48+80

50+00

55+00

60+00

65+00

70+00

30" WATER TRANSMISSION LINE

ARV

A.R.V.

N 67-53-31 E 1951.86

N 62-20-42 E 7033.26

CREEK

MATCH LINE

STA. 73+50

120' FROM GALV. FITTING TO POWER POLE NO. ZX-3 8

USE CONC. ANCHORS WITHIN RIVER CROSSING

APPROX. RIVER WIDTH - 400'

STA. 48+17

SOUTH TRANSMISSION LINE SECTION II SEE SHEET NO. 2 STA. 48+80 MATCH LINE

54+44

54+48

59+14

64+12

64+86

67+82

69+06

73+06

FLANGE

WACCAMAW RIVER

30" WATER TRANS. LINE

TYPICAL MINIMUM COVER

℄ CREEK

PILE SUPPORT SYSTEM - SEE NOTE NO. 1

CONC. PIPE ANCHORS SEE NOTE 2

5
0
-5
-10
-15
-20
-24

SWAMP

NORTH

75+00

80+00

85+00

90+00

95+00

30" WATER TRANSMISSION LINE

N 62-20-42 E 7033.26

A.R.V.

ARV

(4" SIDEWALL FUSION)

STA. 97+80 SEE SHEET NO. 2 SECTION 2A

LEGEND

A.R.V.	AIR & VACUUM RELIEF VALVE
B.F.V.	BUTTERFLY VALVE
G.V.	GATE VALVE
C.M.P.	CORRUGATED METAL PIPE
R.C.P.	REINFORCED CONCRETE PIPE
	FENCE LINE
	TREE LINE
	CREEK, DITCH, WATER BODY
	POWER POLE

APPROVED SCDHEC

BY Jim Worden Date 5/13/91

82+75

83+09

85+33

88+49

93+49

97+80

C.P.A. SEE NOTE 2

30" WATER TRANS. LINE

PILE SUPPORT SYSTEM - SEE NOTE NO. 1

REVISION	BY	DATE
ADDED CONTRACT PROVISIONS	RP	10/31/89
AS-BUILT	REP	4/91

SURFACE WATER TREATMENT PROJECT

SOUTH TRANSMISSION LINE SECTION 2A

GRAND STRAND WATER & SEWER AUTHORITY

P.O. BOX 1537, CONWAY, S.C. 29526

TELEPHONE (803) 347-4641 OR 448-1686

DATE JUNE 1989

SCALE HOR. 1"= 100' VER. 1"= 5'

DRAWN BY ROBERT PERKINS

CHECKED BY JIM HEMBREE

APPROVED BY

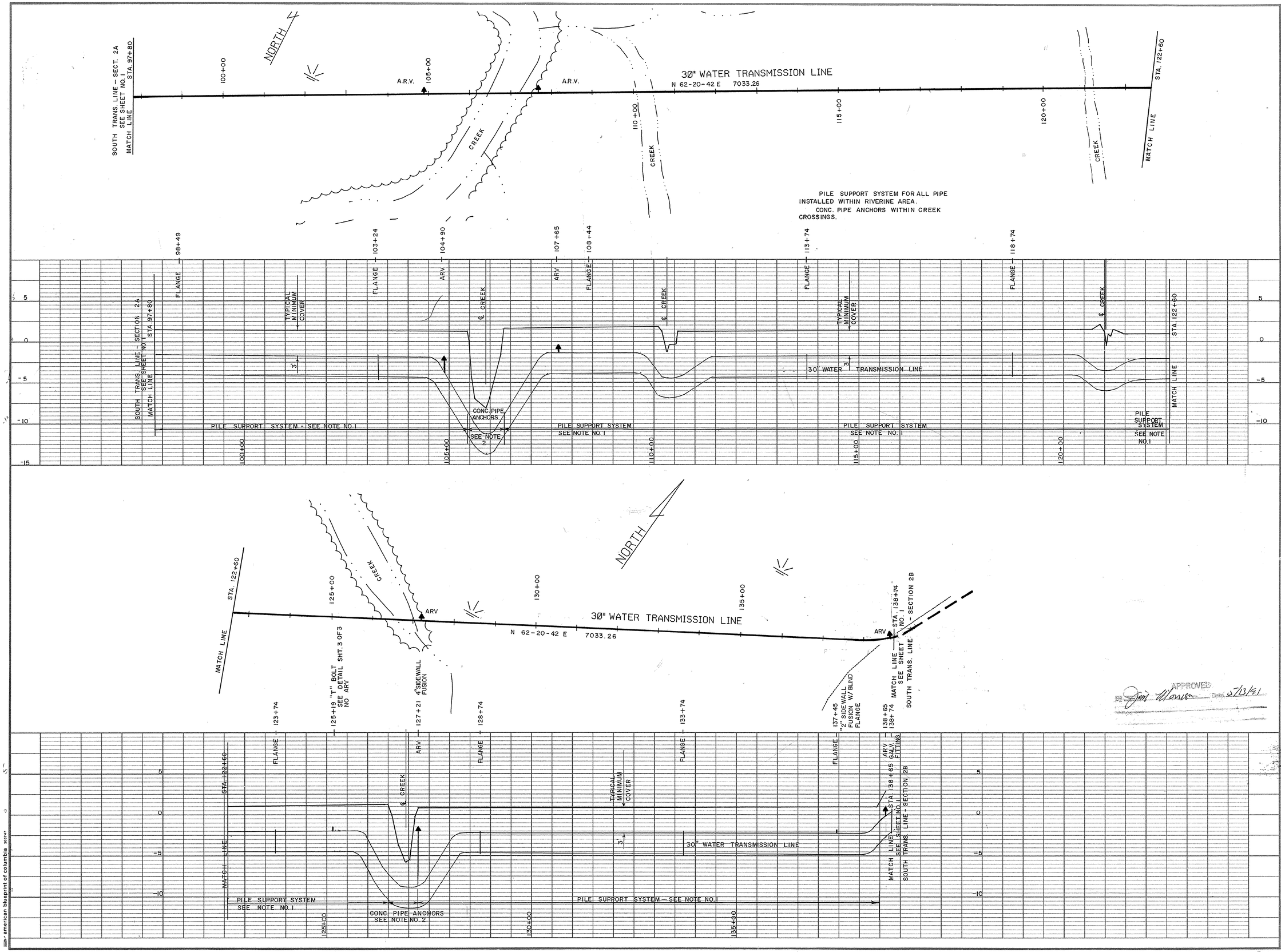
Fred Richardson

FRED RICHARDSON, P.E. NO. 9853

SHEET 1 OF 3

DRAWING NO. ~~28-07-003-W~~ 28-007-001/3 W

american blueprint of columbia 308747



REVISION	BY	DATE
ADDED CONTRACT PROVISIONS	RP	10/31/89
AS - BUILT	REP	4/91

SURFACE WATER TREATMENT PROJECT
SOUTH TRANSMISSION LINE
SECTION 2A

GRAND STRAND WATER & SEWER AUTHORITY

P.O. BOX 1537, CONWAY, S.C. 29526

TELEPHONE (803) 347-4641 OR 448-1686

DATE	JUNE 1989
SCALE	HOR. 1"= 100' VER. 1"= 5'
DRAWN BY	ROBERT PERKINS
CHECKED BY	JIM HEMBREE
APPROVED	Fred Richardson

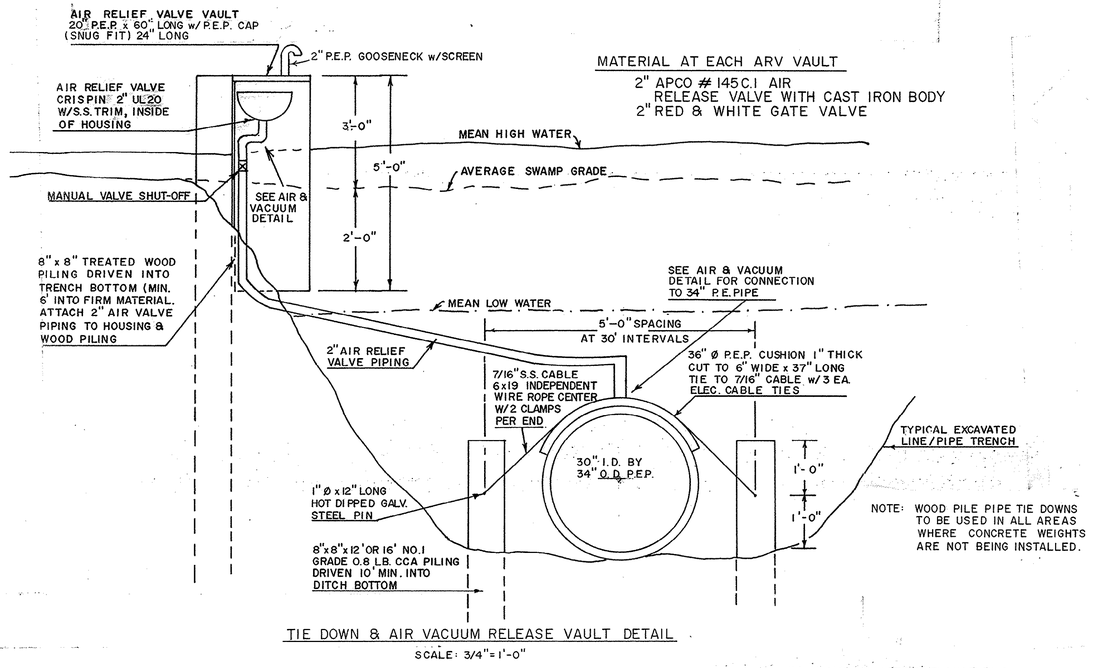
FRED RICHARDSON P.E. NO. 9853

SHEET 2 OF 3

DRAWING NO. ~~28-07-003-W~~

28-007-00213 W

american blueprint of columbia, sc



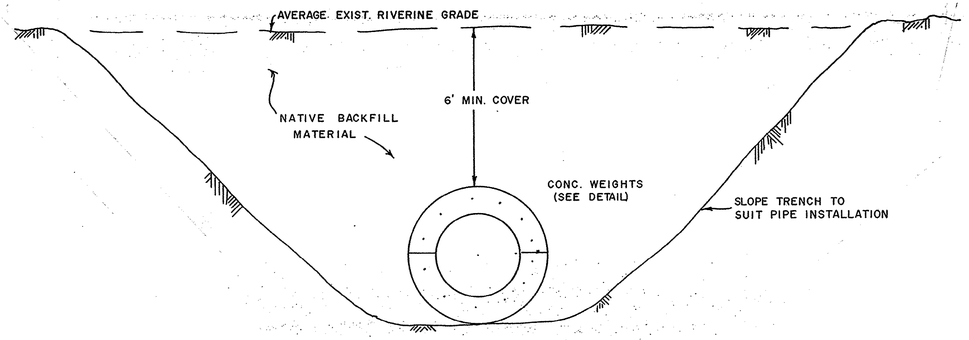
NOTE: WOOD PILE PIPE TIE DOWNS TO BE USED IN ALL AREAS WHERE CONCRETE WEIGHTS ARE NOT BEING INSTALLED.

TIE DOWN & AIR VACUUM RELEASE VAULT DETAIL

SCALE: 3/4"=1'-0"

MATERIAL AT EACH ARV VAULT

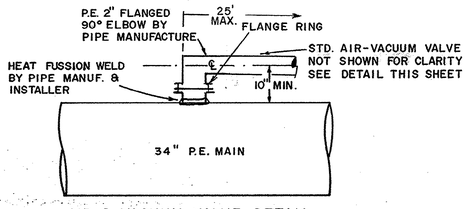
2" APCO #145 C.I. AIR
RELEASE VALVE WITH CAST IRON BODY
2" RED & WHITE GATE VALVE



TYPICAL RIVER CROSSING SECTION

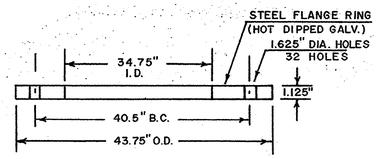
(WHERE CONC. WTS. WILL BE USED)

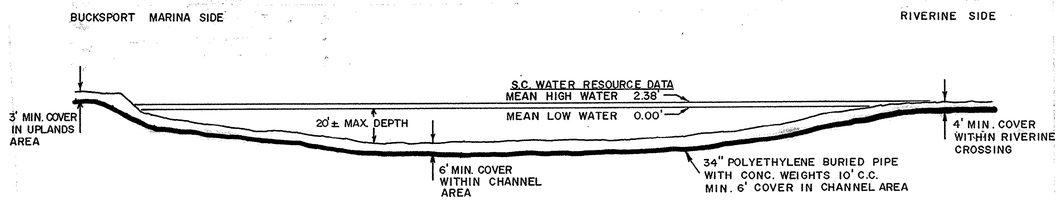
SCALE: 3/8"=1'-0"



AIR & VACUUM VALVE DETAIL

N.T.S.

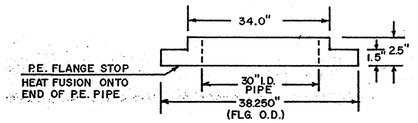




WACCAMAW RIVER CROSSING

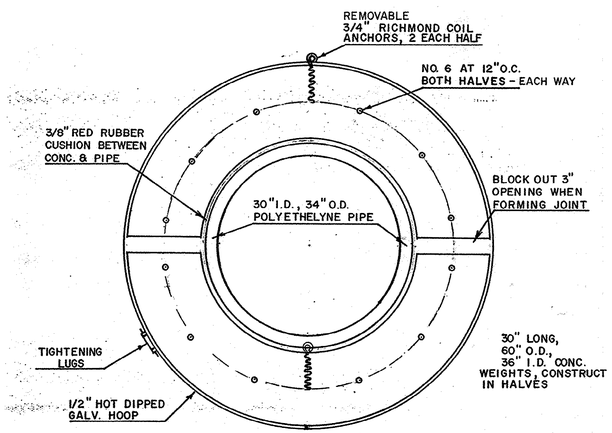
SCALE: 1/4"=10'-0"

STA. 48+80 TO STA. 55+30
(APPROXIMATE)



P.E. 34" PIPE END & STEEL FLANGE

N.T.S.

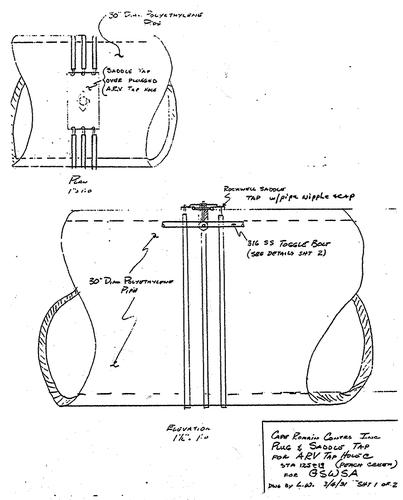


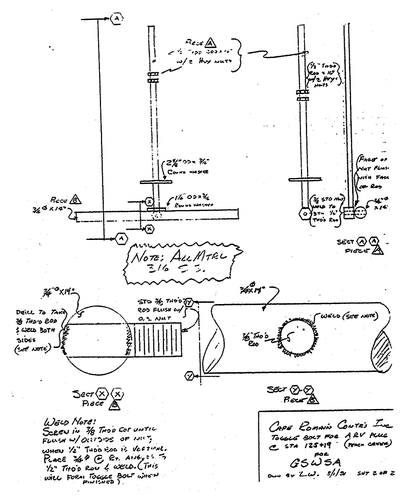
CONCRETE PIPE WEIGHTS

(CROSS SECTION)

SCALE: 1"=1'-0"

NOTE: APPROXIMATE LENGTH OF PIPE REQUIRING CONCRETE WEIGHTS IS 800 FEET. WEIGHTS FOR RIVER AND SOME CREEK AREAS.





REVISION	BY	DATE
AS-BUILT	REP	4/91

RIVER/SWAMP CROSSING DETAILS

GRAND STRAND WATER & SEWER AUTHORITY

P.O. BOX 1537, CONWAY, S.C. 29526

TELEPHONE (803) 347-4641 OR 448-1686

APPROVED

BY [illegible] DATE 5/13/91

DATE	SEPTEMBER 1989
SCALE	AS NOTED
DRAWN BY	ROBERT PERKINS
CHECKED BY	JIM HEMBREE
APPROVED BY	
FRED RICHARDSON, P.E. NO. 9853	
SHEET 3 OF 3	
DRAWING NO.	28-07-003-W

28-007-003/3 W

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