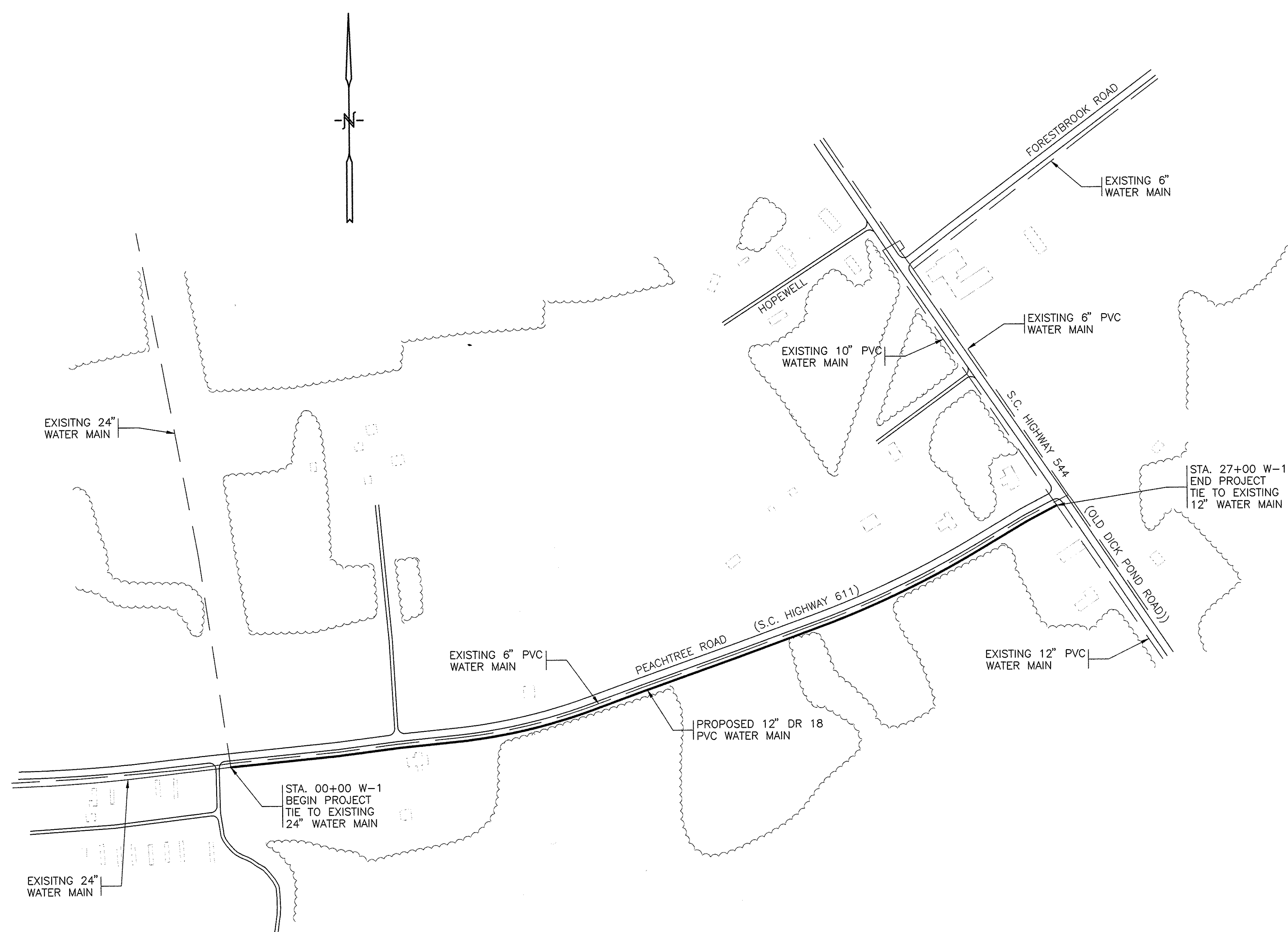


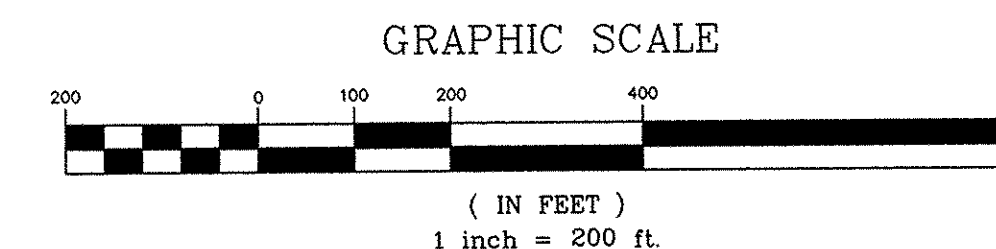
HOBBS, UPCHURCH & ASSOC. \A\CS9501\SEUL\W1.DWG EDITED BY: PED. DATE: 05/14/96. TIME: 10:10. SCALE: 1"=200'



LINE W-1
LAYOUT MAP
SCALE: 1" = 200'

SAMPLING POINTS		
STA 0+25	-	3/4" BLOW OFF
STA 18+06	-	FIRE HYDRANT
STA 26+75	-	1" BLOW OFF

REVISED: AS-BUILT ON 05/14/96



<i>Jerry Pearl 613-862</i>		DATE: JULY 1995
HU HOBBS, UPCHURCH & ASSOCIATES, P.A. CONSULTING ENGINEERS MYRTLE BEACH, SOUTH CAROLINA 29577		DESIGNED: WDL
		DRAWN: PED
		CHECKED: JWM
		SCALE: AS SHOWN
		SHEET NO. 3
		OF: 61

	WATER AND SEWER IMPROVEMENTS TO SERVE GRAND STRAND WATER & SEWER AUTHORITY E.D.A. PROJECT #04-49-04034
	LINE W-1 LAYOUT MAP

17-72-002-W

DATE: 05/14/96 TIME: 10:10 SCALE: 1"=50'

ENTER BY: PED

DATE: 05/14/96

DESIGNED BY: WDL

DRAWN BY: PED

CHECKED BY: JWM

SCALE: H = 1"=50'

V = 1"=50'

SHEET NO.

4

OF: 61

DATE: JULY 1995

DESIGNED: WDL

DRAWN: PED

CHECKED: JWM

SCALE: H = 1"=50'

V = 1"=50'

SHEET NO.

4

OF: 61

DATE: JULY 1995

DESIGNED: WDL

DRAWN: PED

CHECKED: JWM

SCALE: H = 1"=50'

V = 1"=50'

SHEET NO.

4

OF: 61

DATE: JULY 1995

DESIGNED: WDL

DRAWN: PED

CHECKED: JWM

SCALE: H = 1"=50'

V = 1"=50'

SHEET NO.

4

OF: 61

DATE: JULY 1995

DESIGNED: WDL

DRAWN: PED

CHECKED: JWM

SCALE: H = 1"=50'

V = 1"=50'

SHEET NO.

4

OF: 61

DATE: JULY 1995

DESIGNED: WDL

DRAWN: PED

CHECKED: JWM

SCALE: H = 1"=50'

V = 1"=50'

SHEET NO.

4

OF: 61

DATE: JULY 1995

DESIGNED: WDL

DRAWN: PED

CHECKED: JWM

SCALE: H = 1"=50'

V = 1"=50'

SHEET NO.

4

OF: 61

DATE: JULY 1995

DESIGNED: WDL

DRAWN: PED

CHECKED: JWM

SCALE: H = 1"=50'

V = 1"=50'

SHEET NO.

4

OF: 61

DATE: JULY 1995

DESIGNED: WDL

DRAWN: PED

CHECKED: JWM

SCALE: H = 1"=50'

V = 1"=50'

SHEET NO.

4

OF: 61

DATE: JULY 1995

DESIGNED: WDL

DRAWN: PED

CHECKED: JWM

SCALE: H = 1"=50'

V = 1"=50'

SHEET NO.

4

OF: 61

DATE: JULY 1995

DESIGNED: WDL

DRAWN: PED

CHECKED: JWM

115

110

105

100

95

90

85

80

75

70

65

60

55

50

45

40

35

30

25

20

15

10

5

0

-5

-10

-15

-20

-25

-30

-35

-40

-45

-50

-55

-60

-65

-70

-75

-80

-85

-90

-95

-100

-105

-110

-115

0+00

1+00

2+00

3+00

4+00

5+00

6+00

7+00

8+00

9+00

10+00

11+00

12+00

13+00

14+00

15+00

16+00

17+00

18+00

19+00

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40+00

41+00

42+00

43+00

44+00

45+00

46+00

47+00

115

110

105

100

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-85

-90

-95

-100

-105

-110

-115

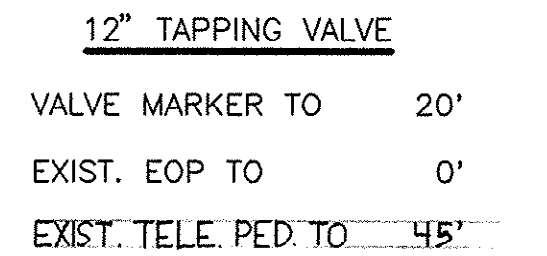
0+00

1+00

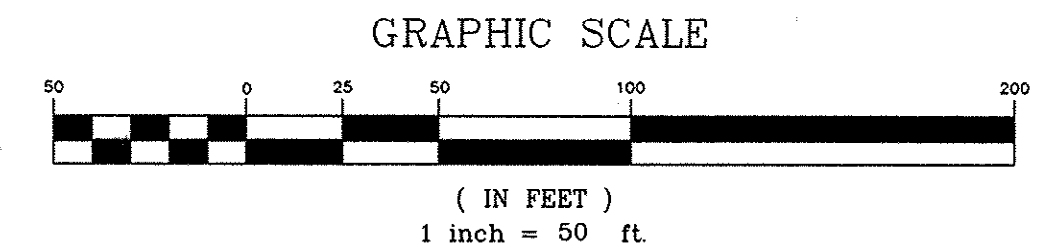
R/W
W
FM
W
FM
X

●	EXISTING POWER POLE
■	EXISTING TELE. PED.
■	EXISTING CABLE PED.
■	BURIED CABLE WARN. POST
□	WATER METER
⊗	EXIST. WATER/GATE VALVE
⊗	PROP. WATER/GATE VALVE
◎	EXISTING MAN HOLE
●	PROPOSED MAN HOLE
⚓	EXISTING FIRE HYDRANT
⚓	PROPOSED FIRE HYDRANT
○	EXISTING IRON PIPE

- 1.) THE CONTRACTOR SHALL CONTACT ALL APPLICABLE UTILITY COMPANIES FOR THE EXACT LOCATION OF ALL UNDERGROUND MAINS, CABLES, OR LINES BEFORE CONSTRUCTION BEGINS.
- 2.) PIPE SEPARATION: THE FOLLOWING MINIMUM PIPE SEPARATION WILL BE MAINTAINED: 12 INCHES VERTICAL SEPARATION BETWEEN CROSSING OF SANITARY SEWER AND STORM SEWERS, 18 INCHES VERTICAL SEPARATION BETWEEN CROSSING OF SEWER (INCLUDING FORCE MAINS) AND WATER MAINS, AND 12 FEET HORIZONTAL SEPARATION BETWEEN SANITARY SEWER (INCLUDING FORCE MAINS) AND WATER MAINS. IF THESE SEPARATIONS CANNOT BE MAINTAINED, DUCTILE IRON PIPE WILL BE USED 10 FEET EITHER SIDE OF CROSSING AND ALONG ENTIRE LENGTH OF LINE LESS THAN 10 HORIZONTAL FEET FROM WATER MAINS. THE CONTRACTOR SHALL RECEIVE APPROVAL FROM THE ENGINEER IN THE FIELD BEFORE PAYMENT WILL BE MADE AT DUCTILE IRON PRICES.



LINE W-1



NOTE: ELEVATION IS ASSUMED.



HOBBS, UPCHURCH & ASSOCIATES, P.A.
CONSULTING ENGINEERS
MYRTLE BEACH, SOUTH CAROLINA 29577

WATER AND SEWER IMPROVEMENTS
TO SERVE
GRAND STRAND WATER & SEWER AUTHORITY
E.D.A PROJECT #04-49-04034

LINE W-1

LY 1995
ED: WDL
E: PED
ED: JWM
= 1"=50' = 1"=5'
NO.
5
61