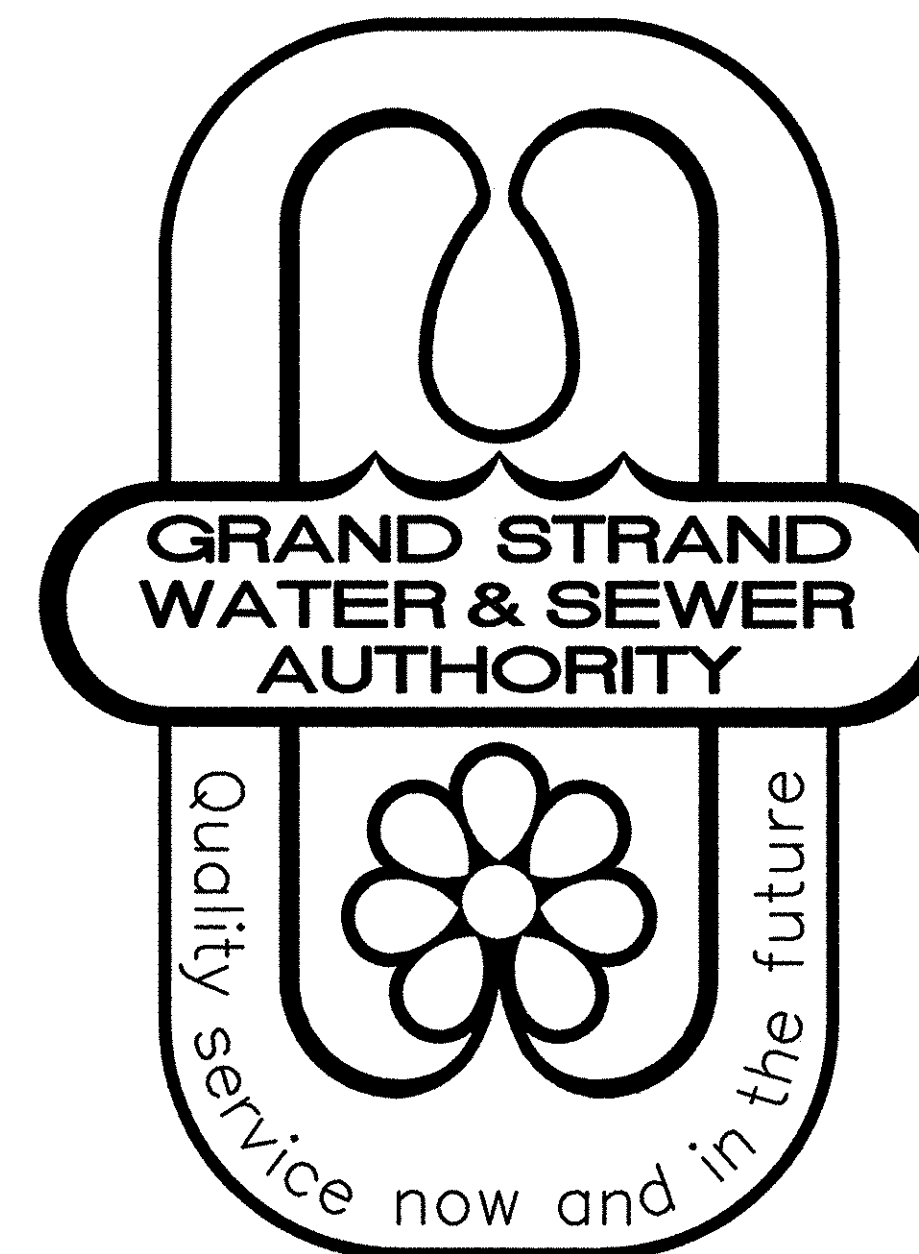
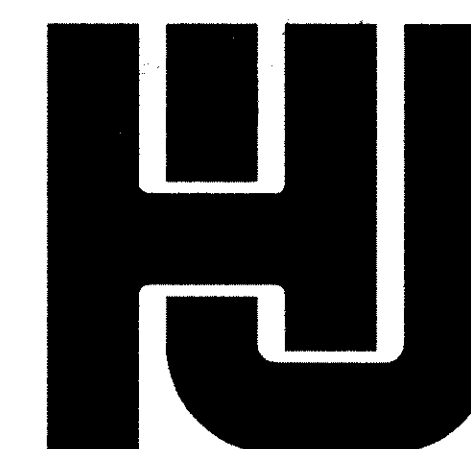
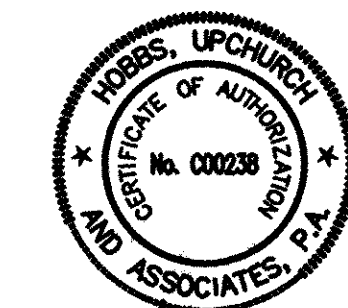
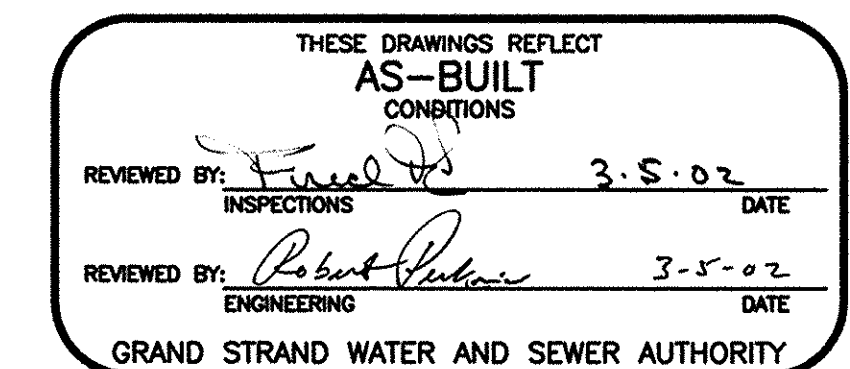


BUIST TRACT NORTH WATER MAIN IMPROVEMENTS

PROJECT NO. 441-01



GRAND STRAND WATER AND
SEWER AUTHORITY



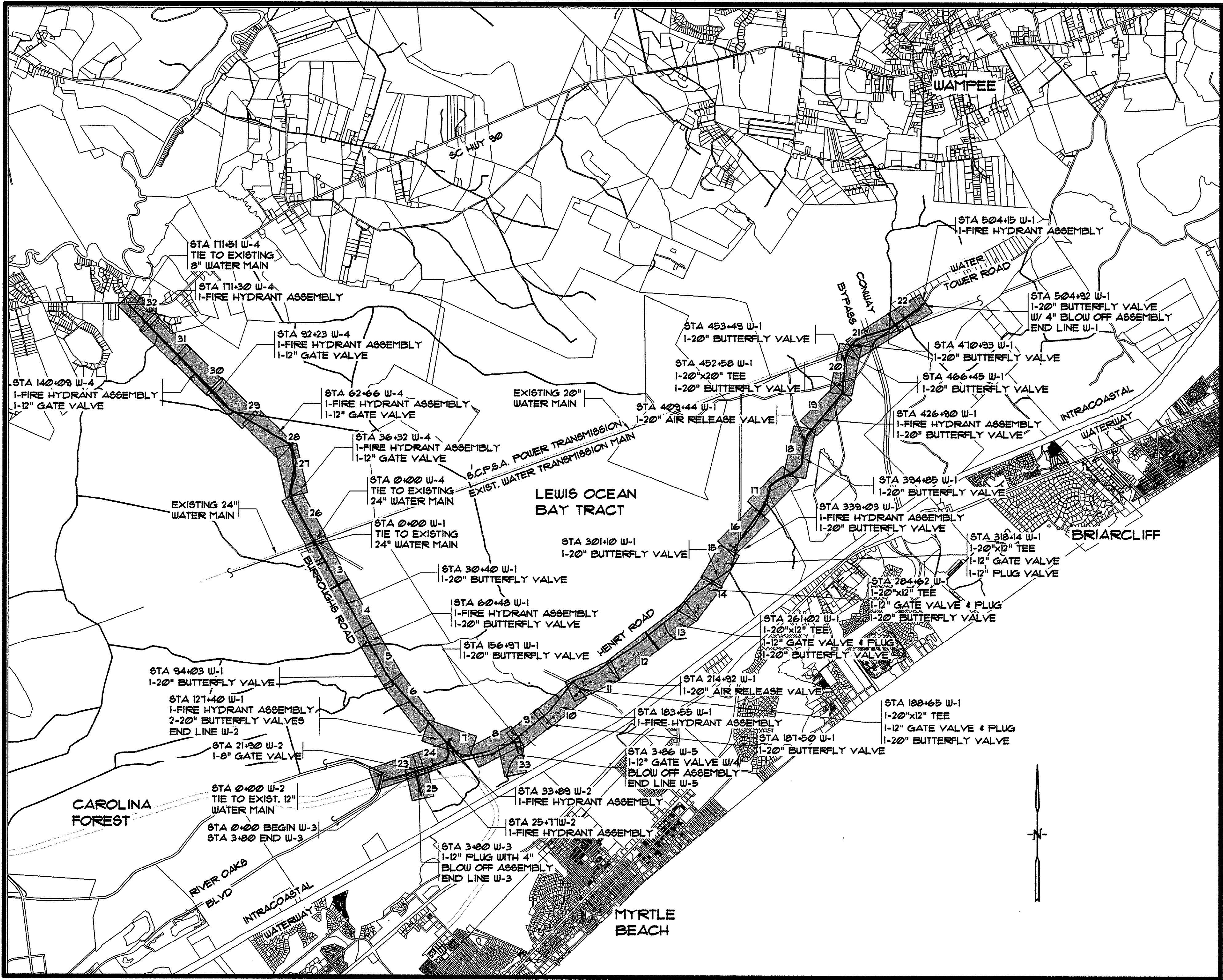
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Consulting Engineers
Myrtle Beach, South Carolina 29577

GENERAL NOTES:

- 1) WORK WITHIN PUBLIC RIGHT-OF-WAYS OR PRIVATE EASEMENTS SHALL BE ACCOMPLISHED BY THE CONTRACTOR ACCORDING TO THE REQUIREMENTS OR CONDITIONS OF THE ENCROACHMENT PERMIT OR OTHER LEGAL DOCUMENTS AS THOUGH DOCUMENTS WERE ISSUED IN THE CONTRACTOR'S NAME. THE CONTRACTOR SHALL MAINTAIN COPIES OF THESE DOCUMENTS ON THE SITE AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF PUBLIC RIGHT-OF-WAYS DURING CONSTRUCTION OF THE PROJECT AND UNTIL THE CONTRACTOR OBTAINS AND DELIVERS TO THE OWNER A WRITTEN SIGN-OFF FROM HORRY COUNTY AND/OR THE S.C.D.O.T. THAT THE PUBLIC AGENCY HAS ACCEPTED THE RIGHT-OF-WAY BACK FOR MAINTENANCE. FINAL PAYMENT AND RELEASE OF RETAINAGE WILL NOT BE MADE TO THE CONTRACTOR UNTIL WRITTEN SIGN-OFF HAS BEEN OBTAINED FROM THE APPROPRIATE PUBLIC AGENCY AND PROVIDED TO THE OWNER.
- 2) PROVISIONS SHALL BE MADE TO PREVENT EROSION AND SILTATION CAUSED BY CONSTRUCTION. TEMPORARY GRASSING, HAY BALES, SILT FENCES OR OTHER METHODS, AS CALLED FOR ON THE PLAN OR THAT MAY BE REQUIRED, SHALL BE USED.
- 3) DISTANCES SHOWN ON THE PLAN FOR THE DESIGNATED LOCATION OF THE PROPOSED LINE WHICH MAY BE FROM THE EDGE OF PAVEMENT OR OTHERWISE SHOWN IS INTENDED ONLY AS A DESIRED LOCATION FOR THIS INSTALLATION. HOWEVER, SHOULD A CONFLICT OCCUR AND/OR DUE TO UNFORESEEN OR OTHER UTILITIES DISCOVERED THAT ARE IN CONFLICT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FOR ANY AND ALL INSTALLATIONS AND DEVIATIONS OF ALIGNMENT NECESSARY TO ACHIEVE A CHANGED AND SATISFACTORY LOCATION FOR THIS INSTALLATION. THE INSTALLATION COSTS THAT MAY OCCUR DUE TO ALIGNMENT CHANGES ARE CONSIDERED TO BE A PART OF THE PRICE SUBMITTED FOR PIPE INSTALLATION AND NO ADDITIONAL COMPENSATION IS ALLOWED. THE FINAL LOCATION SELECTED FOR INSTALLATION BY THE CONTRACTOR OTHER THAN WHAT IS SHOWN ON THE PLANS SHALL BE FIRST APPROVED BY THE AUTHORITY PRIOR TO PROCEEDING WITH THE WORK AND ACTUAL INSTALLATION.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND EXISTENCE OF ALL UNDERGROUND UTILITIES BOTH PRIOR TO THE BID SUBMITTAL AND DURING CONSTRUCTION. LOCATION OF UTILITIES AS TENTATIVELY SHOWN ON THE PLANS, WHETHER FULLY AND CORRECTLY LOCATED OR PARTIALLY AND/OR INCORRECTLY LOCATED OR OMITTED WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OR LIABILITY FOR PROVIDING FOR ANY DEVIATION FROM THE PLANNED LOCATION AND FOR THE COMPLETE INSTALLATION AND/OR DAMAGE TO OTHER UTILITIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING LOCAL UTILITIES FOR ASSISTANCE IN LOCATING UTILITIES BOTH PRIOR TO BID PROPOSALS AND DURING INSTALLATIONS. THE CONTRACTOR MUST FULLY COMPLY WITH THE SOUTH CAROLINA UNDERGROUND UTILITIES DAMAGE PREVENTION ACT, GENERAL STATUTES 58-35 SECTIONS 20 THROUGH 120 AND ALL APPLICABLE STATUTES AND STATE APPROVED REQUIREMENTS.
- 4) WHEN THE CONTRACTOR IS UNABLE TO COMPLETE HIS WORK AS SHOWN ON THE PLANS BECAUSE OF AN EXISTING UTILITY, CONTRACTOR SHALL STAKE LOCATION OF THE UTILITY PRIOR TO PROCEEDING AND CONTACT THE ENGINEER.
- 5) THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AGENCIES, THE OWNER, THE ENGINEER AND ALL OTHER PARTIES WHEN CONSTRUCTION IS TO COMMENCE SO THAT INSPECTIONS AND OTHER SITE VISITS MAY BE SCHEDULED.
- 6) DATA REQUIRED FOR PREPARATION OF AS-BUILT DRAWINGS SHALL BE OBTAINED BY THE CONTRACTOR AT THE TIME OF INSTALLATION. THIS DATA SHALL BE ACCUMULATED BY THE CONTRACTOR AND COORDINATED WITH THE PROJECT INSPECTOR ON A DAILY BASIS DURING THE CONSTRUCTION PERIOD AND BE SUBMITTED TO THE PROJECT INSPECTOR IN A NEAT AND LEGIBLE MANNER AFTER COMPLETION OF THE PROJECT.
- 7) ALL WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE FEDERAL SOUTH CAROLINA AND LOCAL ORDINANCES, REGULATIONS, SPECIFICATIONS AND PERMITS.
- 8) SPECIAL NOTE: PRIOR TO ANY EXCAVATION, THE CONTRACTOR IS REQUIRED TO CONTACT HORRY TELEPHONE COOPERATIVE FOR CABLE LOCATIONS AT 365-2151. THIS PROJECT HAS SEVERAL CABLES OFF EDGE OF PAVEMENT THAT THE CONTRACTOR WILL BE REQUIRED TO LOCATE AND EXPOSE PRIOR TO THE INSTALLATION OF ANY MATERIALS.
- 9) REPLACE IN KIND ALL AREAS WHERE PROPERTY OWNER HAS DEVELOPED SPECIAL GRASS, TURF, FENCES, SHRUBS OR LANDSCAPING. ALL DISTURBED AREAS ARE TO BE RAKED AND SEEDED OR TURF REPLACED IN KIND WHERE TURF EXISTS. ITEMS LISTED HEREIN ARE CONSIDERED TO BE INCLUDED IN THE BID ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

LEGEND

- PROPOSED WATER MAIN
- - - - - EXISTING WATER MAIN
⊠ EXISTING VALVE
⊠ PROPOSED VALVE
▲ PROPOSED FIRE HYDRANT ASSEMBLY



THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

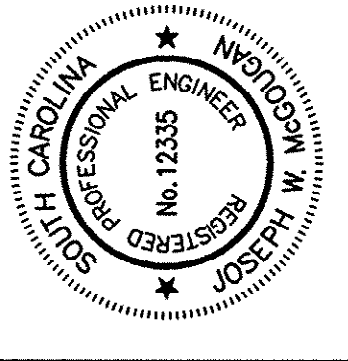
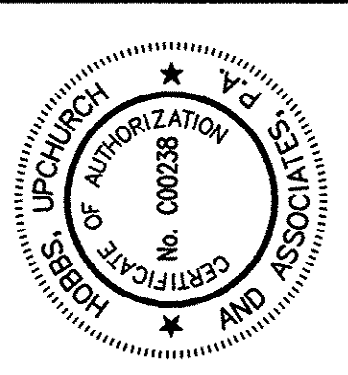
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INSPECTIONS

REVIEWED BY: *[Signature]* 2-5-02 DATE
ENGINEERING

GRAND STRAND WATER AND SEWER AUTHORITY

LAYOUT MAP
NTS

REVISIONS			
SYM.	DESCRIPTION	DATE	BY
REVISED EASEMENT RELOC.		8/18/00	KLM
REVISED FOR CONSTRUCTION		1/8/00	KLM
REVISED STATION CHANGES		1/10/00	KLM



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Consulting Engineers
Myrtle Beach, South Carolina 29577



LAYOUT MAP

BUIST TRACT NORTH
WATER MAIN
GRAND STRAND WATER
AND SEWER AUTHORITY

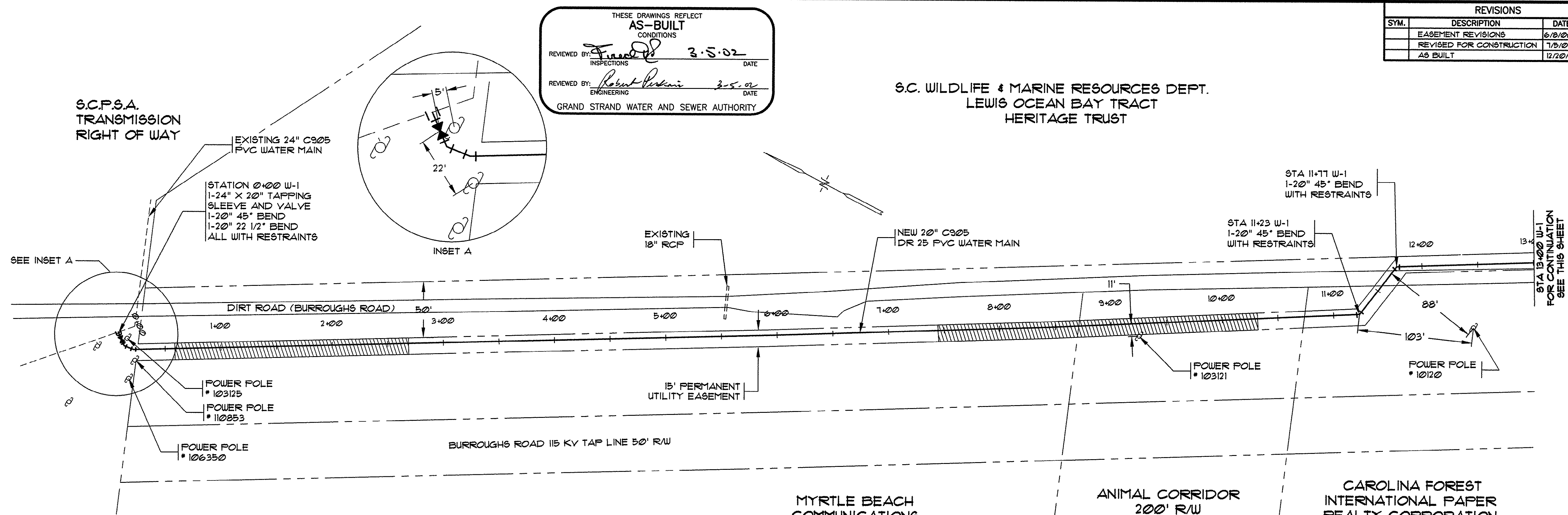
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DESIGNED:	WDL
DRAWN:	KLM
CHECKED:	JWM
SCALE:	NTS
SHEET NO.	2
OF:	38

PROJECT NO. 441-01

32-057-002/38

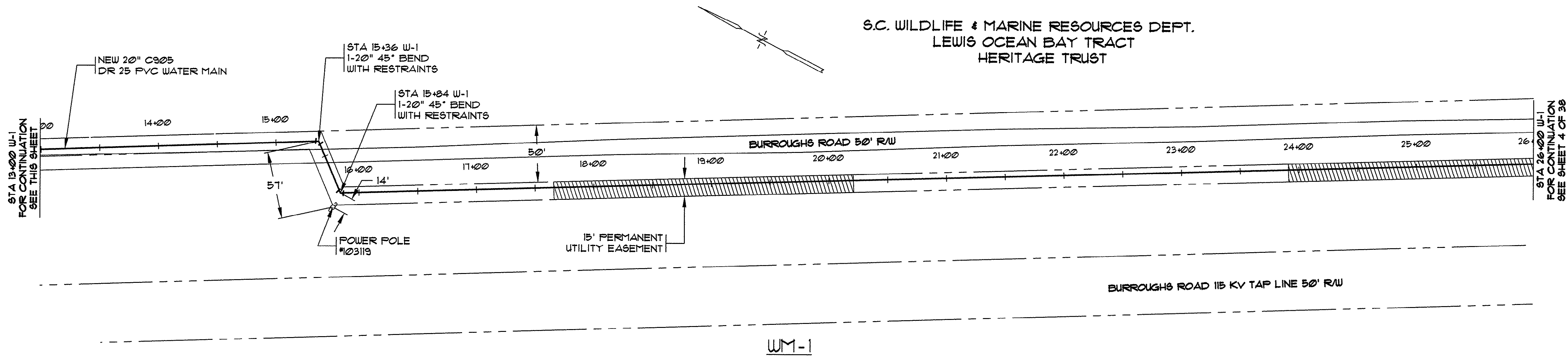
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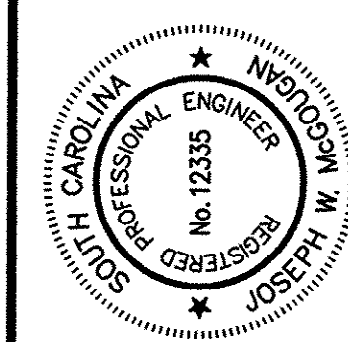
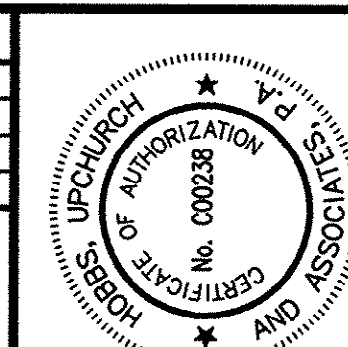


LEGEND

- | | | | |
|-------|-----------------------|-------|-----------------------------|
| — | NEW WATER MAIN | —X—X— | EXISTING FIRE HYDRANT |
| - - - | EXISTING FORCE MAIN | —X— | EXISTING GATE VALVE |
| - - - | EXISTING WATER MAIN | —X— | NEW VALVE |
| - - - | EXISTING RIGHT OF WAY | —X— | EXISTING TELEPHONE PEDESTAL |
| - - - | EXISTING DITCH LINE | —X— | EXISTING POWER POLE |
| - - - | EXISTING RCP | —X— | NEW FIRE HYDRANT |
| - - - | EXISTING FENCE | | |
| | WETLAND AREA | | |



REVISIONS			
SYM.	DESCRIPTION	DATE	BY
	EASEMENT REVISIONS	6/8/00	KLM
	REVISED FOR CONSTRUCTION	1/5/00	KLM
	AS BUILT	12/20/01	CAR



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Myrtle Beach, South Carolina 29577

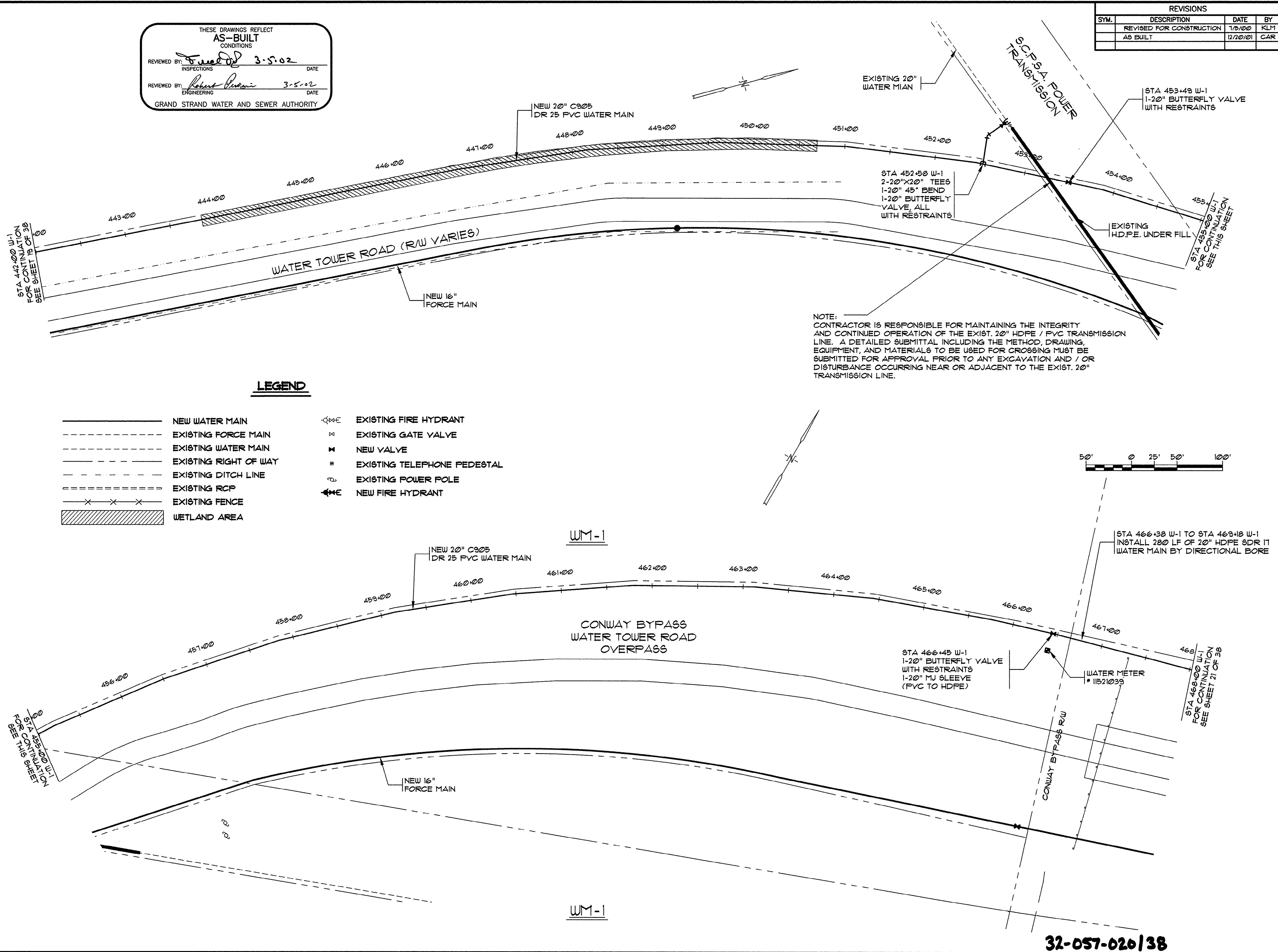
WATER LINE W-1

BUIST TRACT NORTH
WATER MAIN
GRAND STRAND WATER
AND SEWER AUTHORITY

DATE:	JUNE, 2000
DESIGNED:	WDL
DRAWN:	KLM
CHECKED:	JWM
SCALE:	1" = 50'
SHEET NO.	3
OF:	38

32-057-003/38

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UPCHURCH & ASSOCIATES, P.A.
REGISTERED PROFESSIONAL ENGINEER
No. 12335
JOSEPH W. JOSEPH

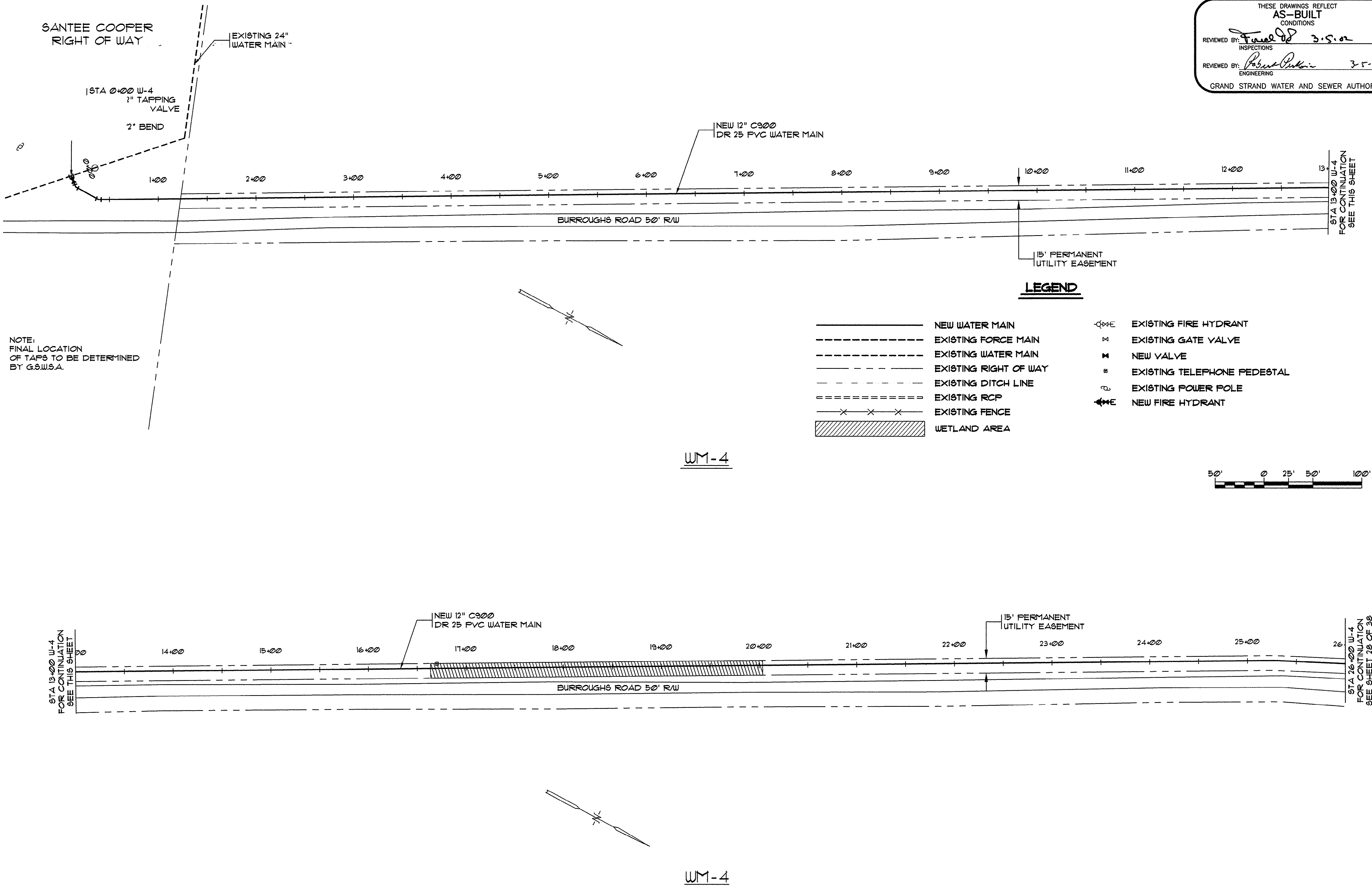
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Consulting Engineers
Myrtle Beach, South Carolina 29577

WATER LINE W-1

BUIST TRACT NORTH
WATER MAIN
GRAND STRAND WATER
AND SEWER AUTHORITY

DATE: JUNE, 2000
DESIGNED: WDL
DRAWN: KLM
CHECKED: JWM
SCALE: 1" = 50'
SHEET NO. 20
OF 38

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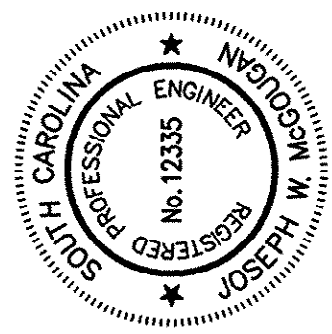
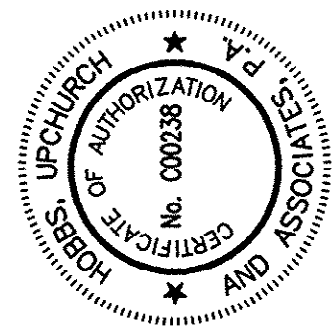
REVISIONS			
SYM.	DESCRIPTION	DATE	BY
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	REVISED FOR CONSTRUCTION	7/5/00	KLM
	AS BUILT	1/24/02	CAR

THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: *[Signature]* 3-5-02 DATE: _____
INSPECTIONS

REVIEWED BY: *[Signature]* 3-5-02 DATE: _____
ENGINEERING

GRAND STRAND WATER AND SEWER AUTHORITY



Hobbs, Upchurch & Associates, P.A.
Myrtle Beach, South Carolina 29577



WATER LINE W-4

BUIST TRACT NORTH
WATER MAIN
GRAND STRAND WATER
AND SEWER AUTHORITY

DATE:	JUNE, 2000
DESIGNED:	WDL
DRAWN:	KLM
CHECKED:	JWM
SCALE:	1" = 50'
SHEET NO.	

26

OF: 38

32-057-026/38