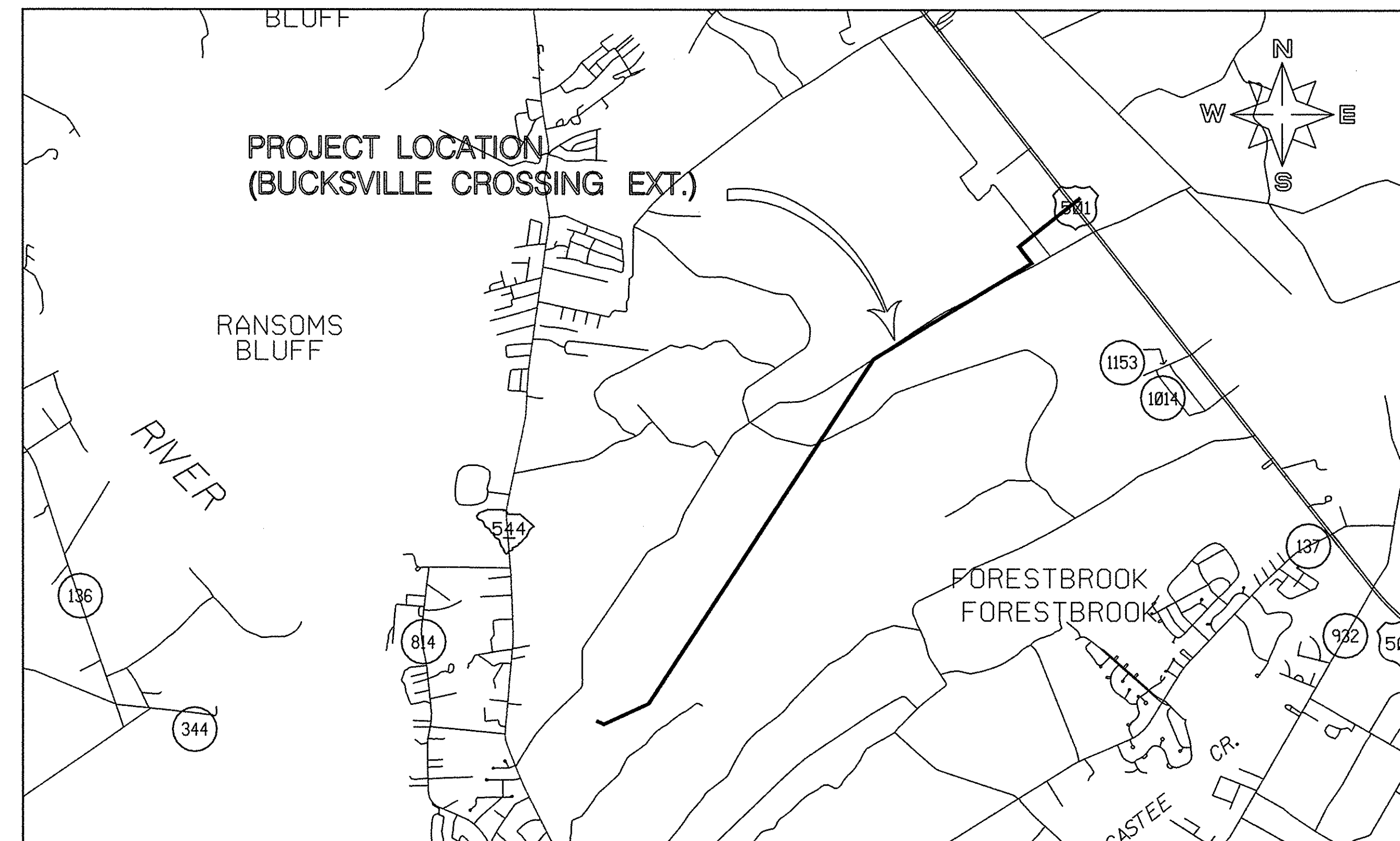


GRAND STRAND WATER AND SEWER AUTHORITY

"BUCKSVILLE WATER TRANSMISSION LINE EXT."

PROJECT 07-442-07



LOCATION MAP
NOT TO SCALE

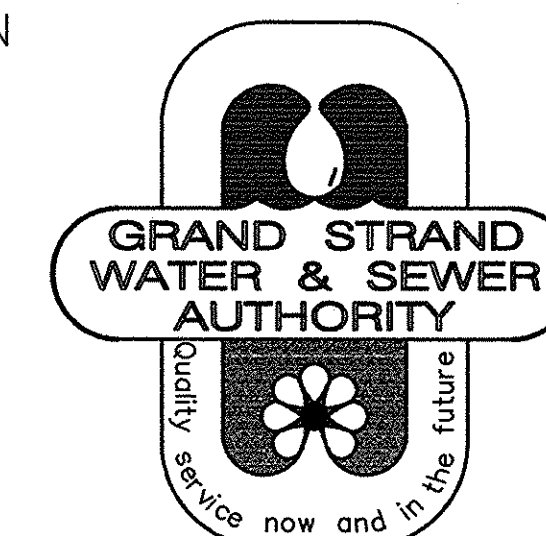
THESE DRAWINGS REFLECT	
AS-BUILT	
CONDITIONS	
REVIEWED BY: <i>[Signature]</i>	DATE: 2-2-01
INSPECTIONS	
REVIEWED BY: <i>[Signature]</i>	DATE: 2-7-01
ENGINEERING	
GRAND STRAND WATER AND SEWER AUTHORITY	

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 CONTRACTORS 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 SILTRATION 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 THE 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 CONCERNED 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 PROPERTY OWNER HAS DEVELOPED SPECIAL GRASS, TURF, OR LANDSCAPING. ALL DISTURBED AREAS ARE TO BE RAKED AND SEEDED.



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

APPROVED BY:

FRED E. AKEL P.E. #12859

"BUCKSVILLE WATER TRANSMISSION LINE EXT."

"JUNE 1999"

PROJECT # 07-442-07

28-027-001 /012



THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: *Finch* DATE: 2-2-01
INSPECTIONS

REVIEWED BY: *Jim* DATE: 2/7/01
ENGINEERING

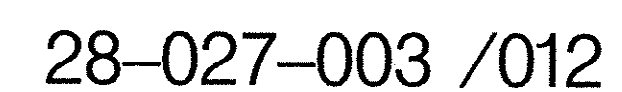
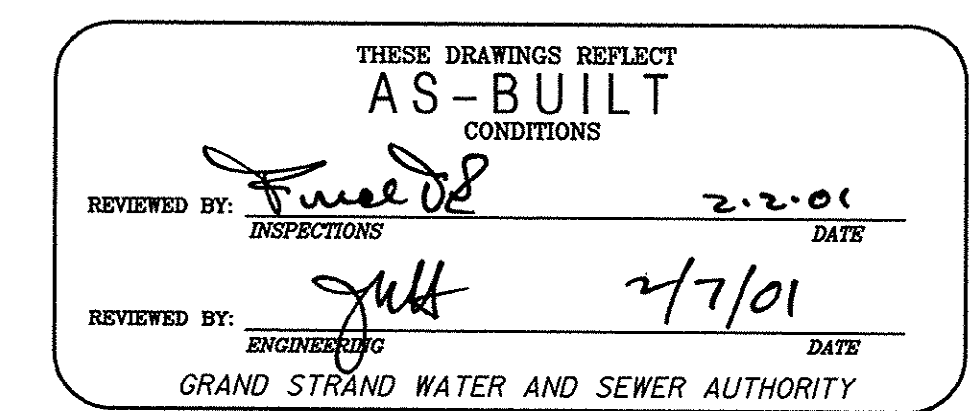
GRAND STRAND WATER AND SEWER AUTHORITY

PROJECT # 07-442-07	
DATE: MAY 1999	SCALE: NTS
FILENAME: BUCK_EXT.DGN	
DRAWN BY: <i>Carolyn Wright</i>	CHECKED BY: JIM HEMBREE
APPROVED BY: FRED E. AKEL P.E. #12859	
SHEET 2 OF 12	
DRAWING NO.	

BUCKSVILLE CROSSING
36" WATER TRANSMISSION LINE EXT.
GRAND STRAND WATER & SEWER AUTHORITY
P.O. BOX 1887, CONWAY, SC 29586
TELEPHONE 803 247-4641 OR 446-1686

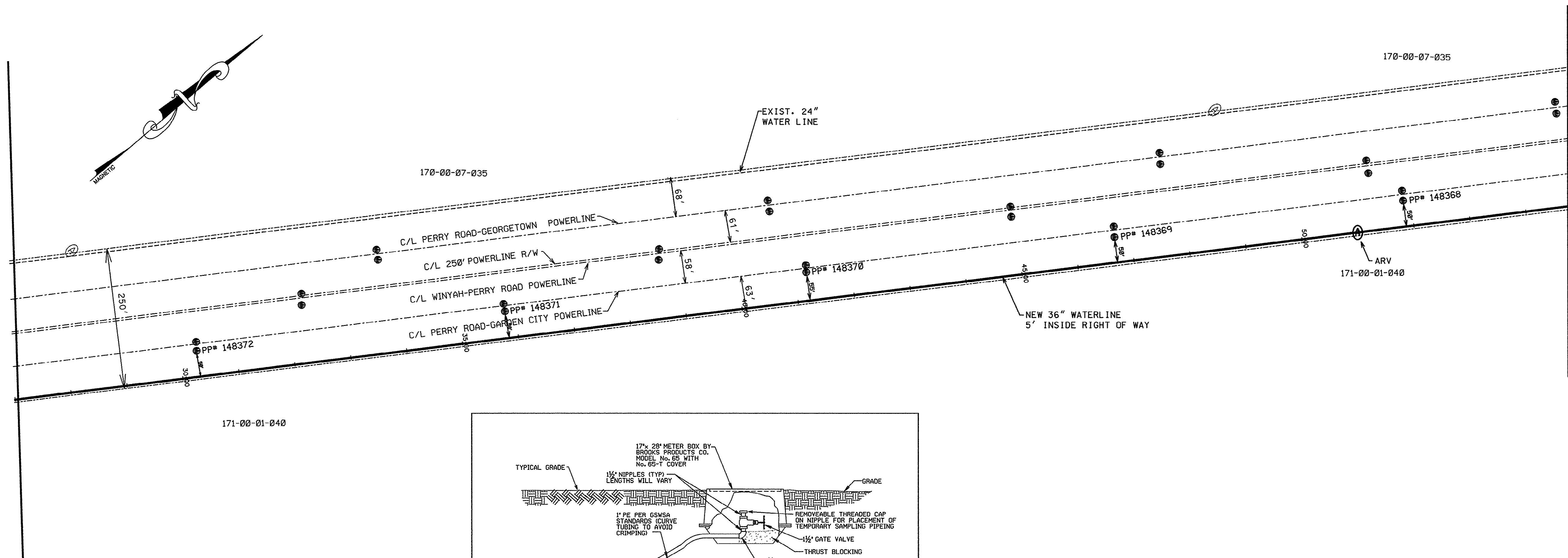
BY	DATE
CAW	9/28/00
AT	11/30/01

REVISION	ASBUILT
	FIELD NOTES

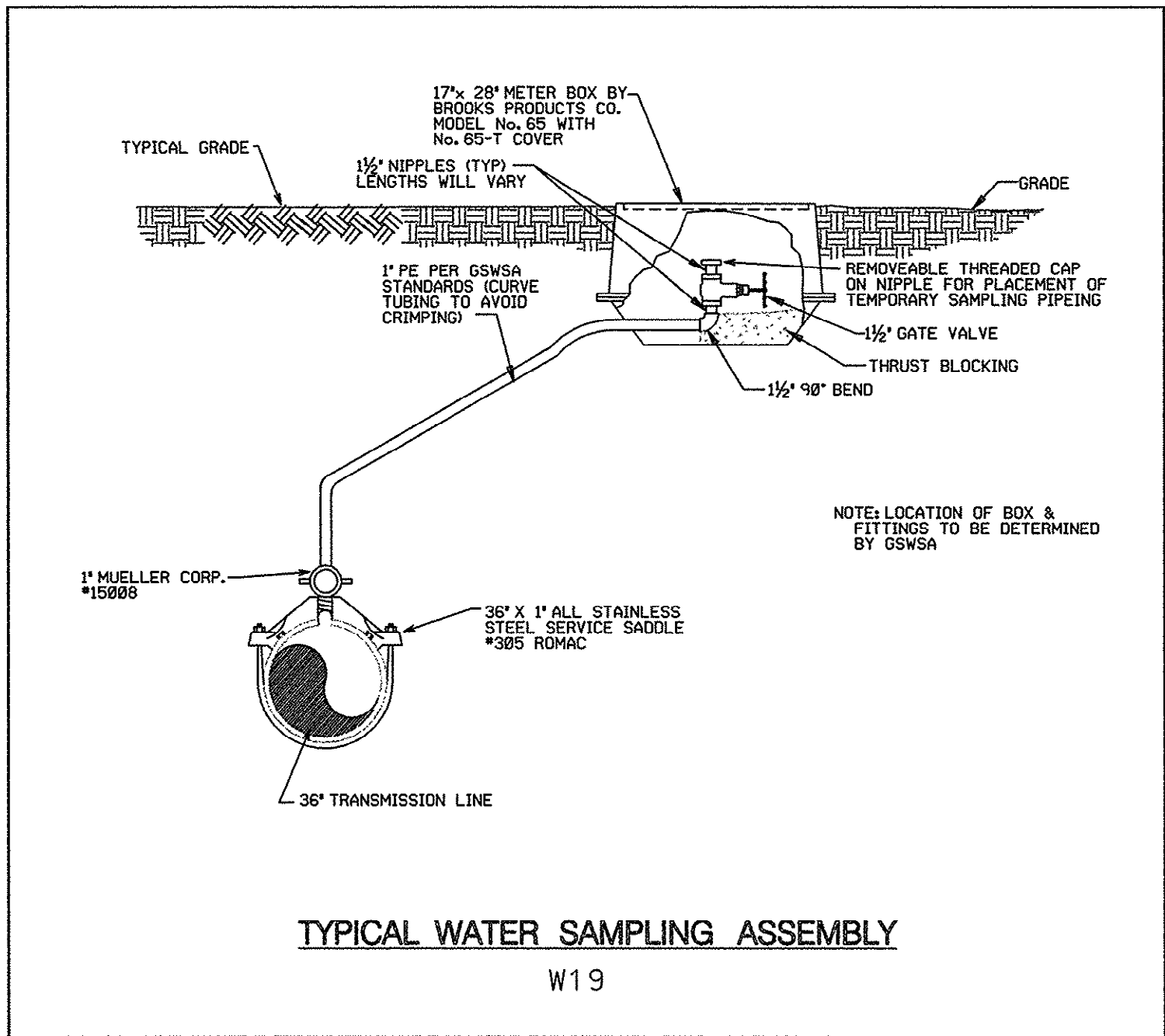


BUCKSVILLE CROSSING		BY DATE	
36" WATER TRANSMISSION LINE EXT.		CAW 9/28/00	
GRAND STRAND WATER & SEWER AUTHORITY		AT 11/26/01	
P.O. BOX 1837, CONWAY, SC 29536		REVISION	
TELEPHONE (803) 547-4641 OR 448-1686		ASBUILT	
		FIELD NOTES	
PROJECT # 07-442-07			
DATE: MAY 1999			
SCALE: 1" = 100'			
DIRECTORY FILENAME: BUCK_EXT.DGN			
DRAWN BY	 FRED E. AKEL CAROLYN WRIGHT		
CHECKED BY	JIM HEMBREE		
APPROVED BY			
FRED E. AKEL P.E. #12859			
SHEET 3 OF 12			
DRAWING NO.			

MATCHLINE STA 27+05

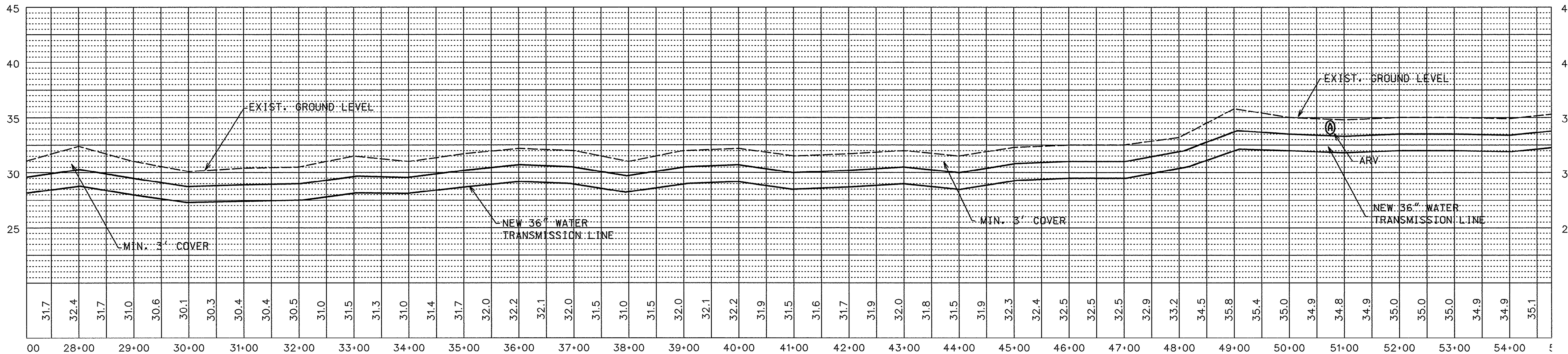


MATCHLINE STA 54+76



TYPICAL WATER SAMPLING ASSEMBLY
W19

THESE DRAWINGS REFLECT AS-BUILT CONDITIONS	
REVIEWED BY: <i>Fred E. Akel</i>	DATE: 2-2-01
INSPECTIONS	DATE
REVIEWED BY: <i>JMS</i>	DATE: 2/7/01
ENGINEERING	DATE
GRAND STRAND WATER AND SEWER AUTHORITY	



28-027-004 /012

BUCKSVILLE CROSSING
36" WATER TRANSMISSION LINE EXT.
GRAND STRAND WATER & SEWER AUTHORITY

TELEPHONE (800) 547-4641 OR 446-1686

PROJECT # 07-442-07

DATE: MAY 1999

SCALE: 1" = 100'

FILENAME: BUCK_EXT.DGN

DRAWN BY: *Carolyn Wright*
AND TROUBLESHOOTED
CAROLYN WRIGHT

CHECKED BY: JIM HEMBREE

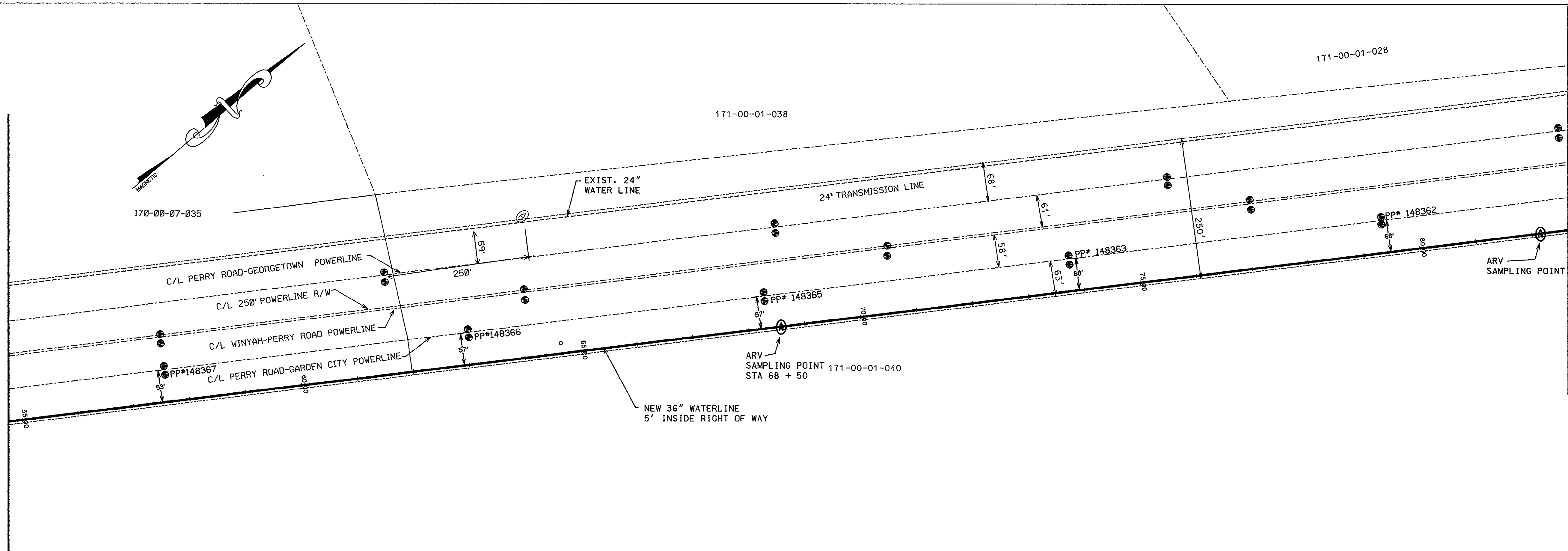
APPROVED BY:

FRED E. AKEL P.E. #12859

SHEET 4 OF 12

DRAWING NO.

MATCHLINE STA 54+76



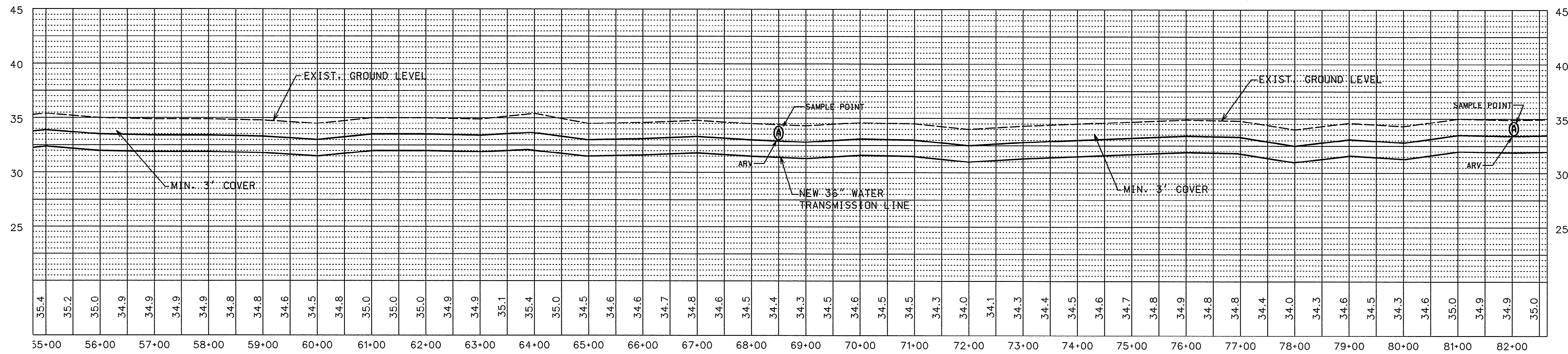
MATCHLINE STA 82+66

THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: *Friedel* DATE: 2-2-01
INSPECTIONS

REVIEWED BY: *guth* DATE: 2/7/01
ENGINEERING

GRAND STRAND WATER AND SEWER AUTHORITY



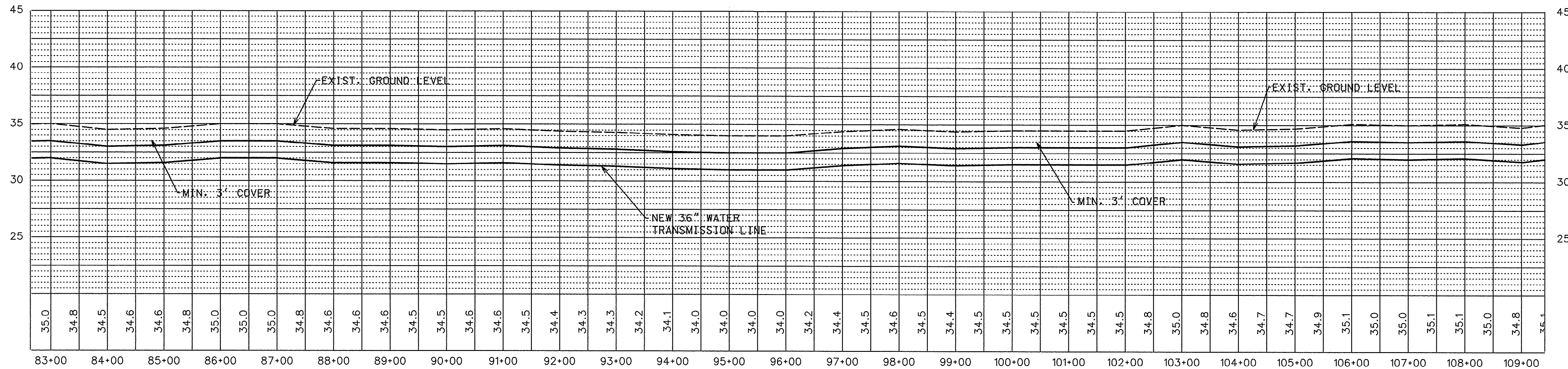
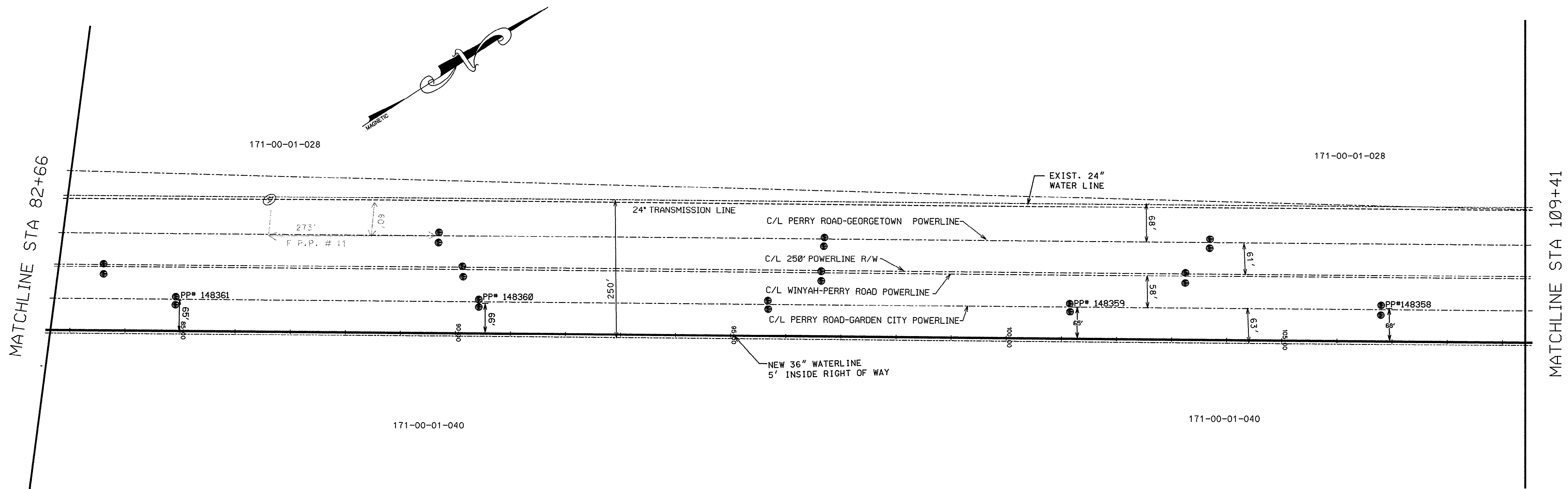
BUCKSVILLE CROSSING
36" WATER TRANSMISSION LINE EXT.
GRAND STRAND WATER & SEWER AUTHORITY

TELEPHONE 680 347-4641 OR 440-1686

P.O. BOX 1887 CONWAY, SC 29506

REVISION		DATE
BY	CAW	9/28/00
ASBUILT	AT	11/30/01
FIELD NOTES		

PROJECT #	07-442-07
DATE:	MAY 1999
SCALE:	1" = 100'
FILENAME:	BUCK_EXT.DGN
DRAWN BY	<i>Carolyn Wright</i> CAROLYN WRIGHT
CHECKED BY	JIM HEMBREE
APPROVED BY	
FRED E. AKEL P.E. #12859	
SHEET 5 OF 12	
DRAWING NO.	



THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: *[Signature]* DATE: 2-2-01
INSPECTIONS

REVIEWED BY: *[Signature]* DATE: 2/7/01
ENGINEERING

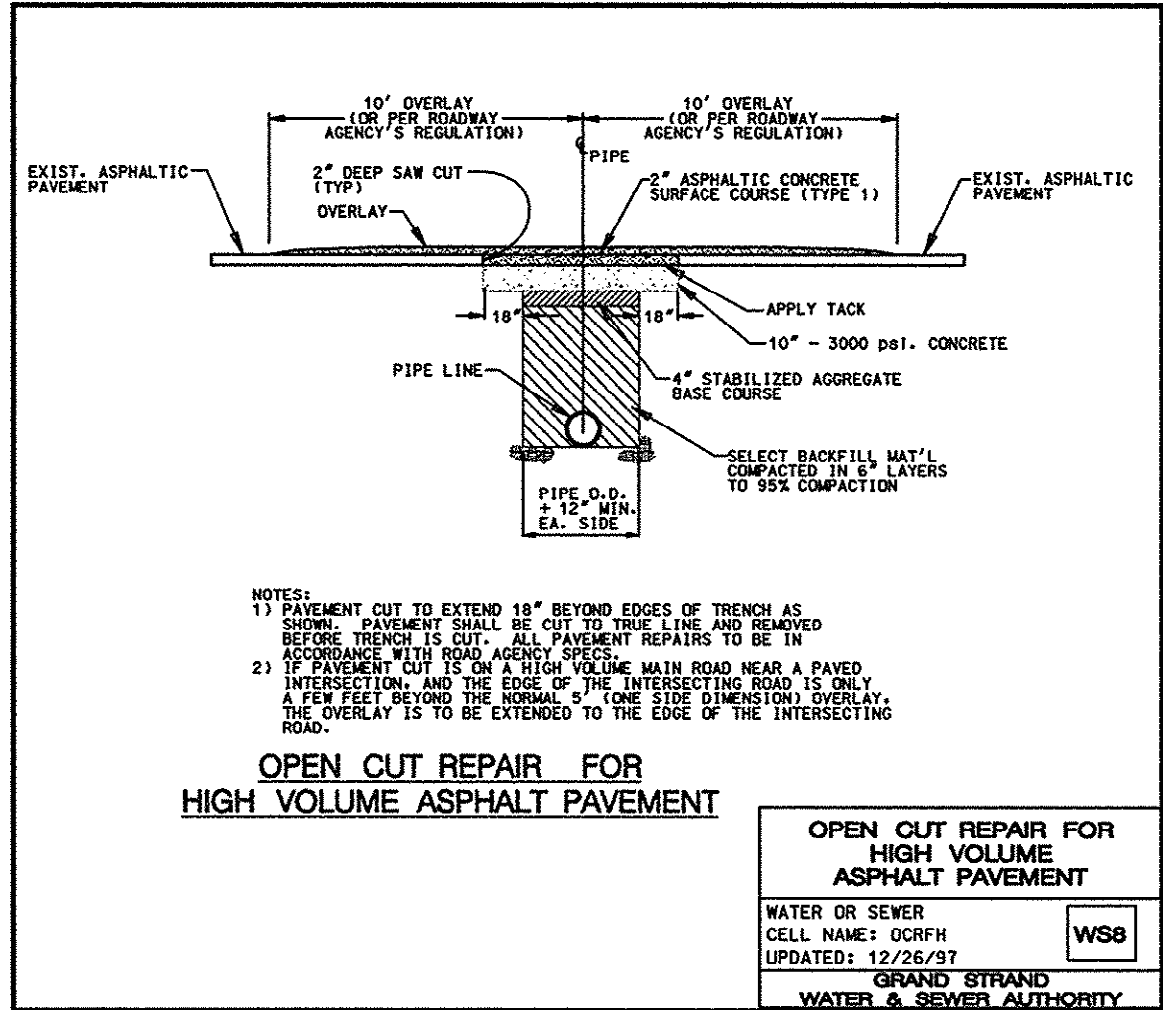
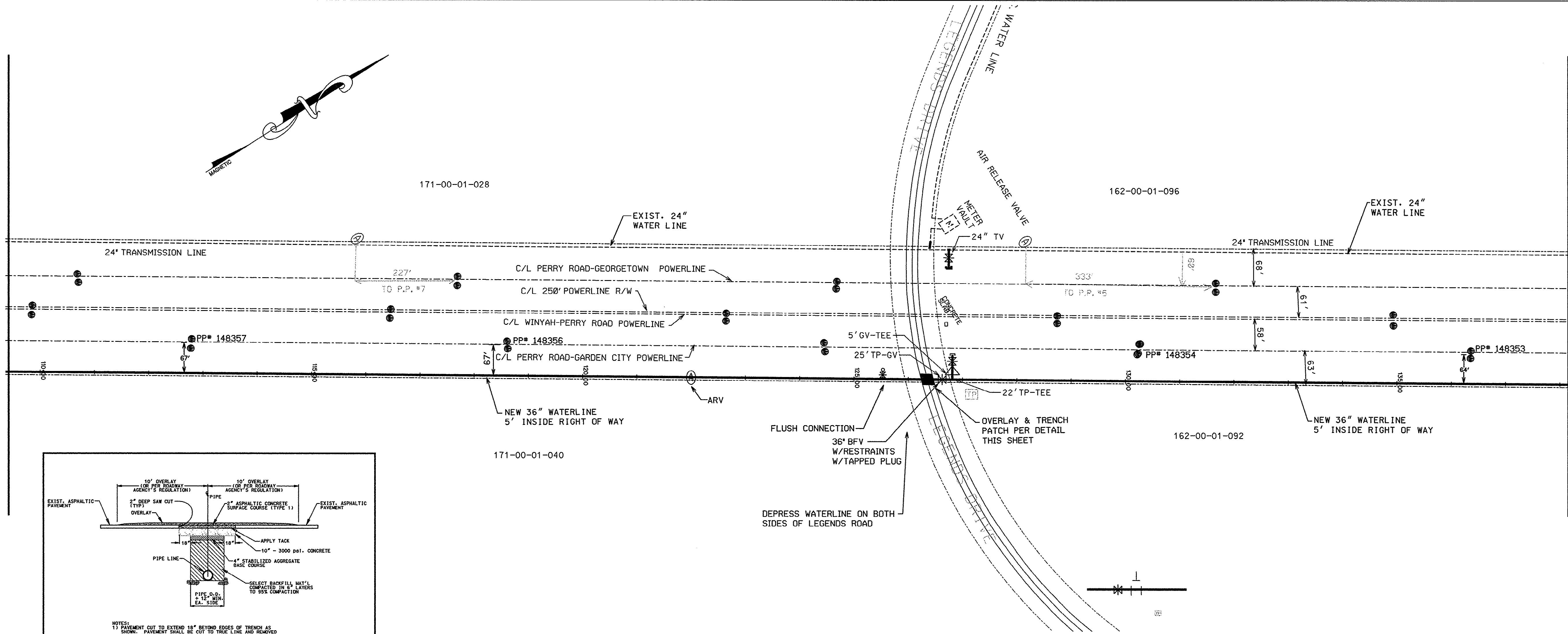
GRAND STRAND WATER AND SEWER AUTHORITY

PROJECT # 07-442-07	
DATE: MAY 1999	
SCALE: 1" = 100'	
FILENAME: BUCK_EXT.DGN	
DRAWN BY: <i>[Signature]</i> ANDY TROUBLEFIELD CAROLYN WRIGHT	CHECKED BY: JIM HEMBREE
APPROVED BY: FRED E. AKEL P.E. #12859	
SHEET 6 OF 12	
DRAWING NO.	

BUCKSVILLE CROSSING
36" WATER TRANSMISSION LINE EXT.
GRAND STRAND WATER & SEWER AUTHORITY
TELEPHONE (803) 547-4641 OR 446-1686
P.O. BOX 1587 CONWAY, SC 29526

MATCHLINE STA 109+41

MATCHLINE STA 138+18

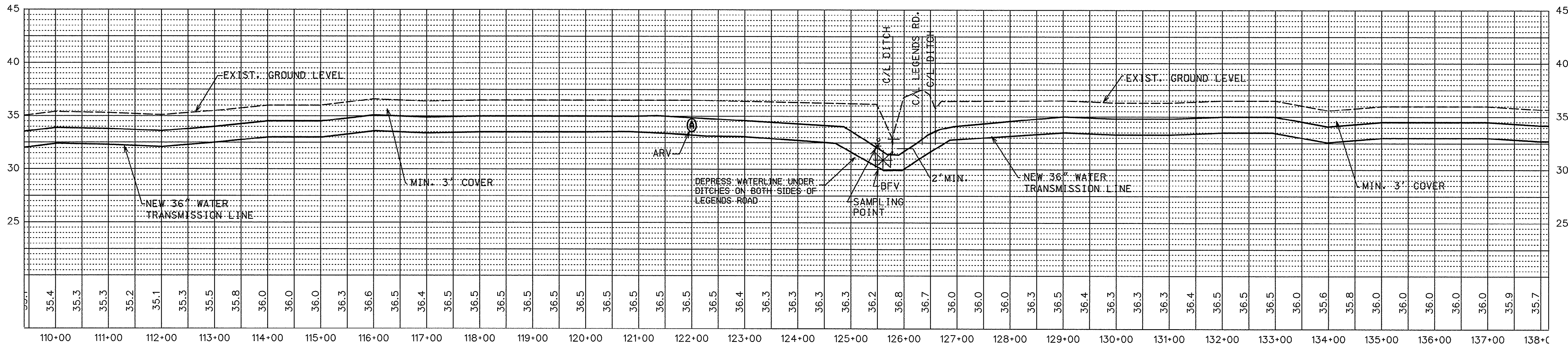


THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: *[Signature]* 2.2.01
INSPECTIONS DATE

REVIEWED BY: *[Signature]* 2/7/01
ENGINEERING DATE

GRAND STRAND WATER AND SEWER AUTHORITY



28-027-007 /012

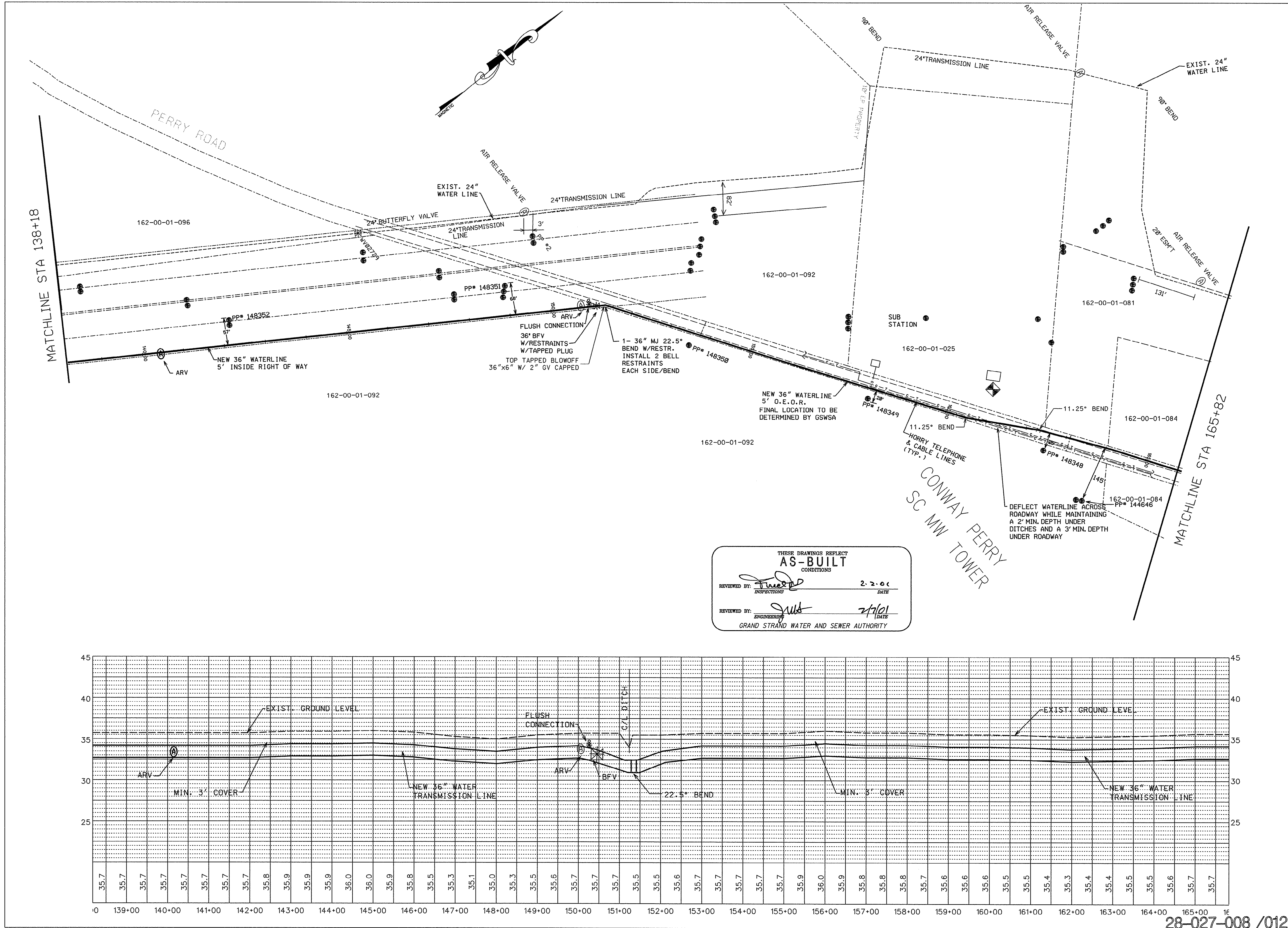
BUCKSVILLE CROSSING
36" WATER TRANSMISSION LINE EXT.
GRAND STRAND WATER & SEWER AUTHORITY
TELEPHONE (803) 347-4641 OR 440-1686

PROJECT # 07-442-07
DATE: MAY 1999
SCALE: 1" = 100'
FILENAME: BUCK_EXT.DGN
DRAWN BY: *[Signature]*
CHECKED BY: JIM HEMBREE
APPROVED BY: FRED E. AKEL P.E. #12859
SHEET 7 OF 12
DRAWING NO.

BY DATE
CAW 9/28/00
AT 1/30/01

REVISION
ASBUILT
FIELD NOTES

P.O. BOX 1587, CONWAY, SC 29566



DATE
9/28/00

BY
CAW

REVISION

ASBUILT

FIELD NOTES

1/30/01

AT

BUCKSVILLE CROSSING
36" WATER TRANSMISSION LINE EXT.
GRAND STRAND WATER & SEWER AUTHORITY

TELEPHONE 680 547-441 OR 448-1666

PROJECT # 07-442-07

DATE: MAY 1999

SCALE: 1" = 100'

FILENAME: BUCK_EXT.DGN

DRAWN BY
ANDY TROUBLEFIELD
CANDLYN WRIGHT

CHECKED BY
JIM HEMBREE

APPROVED BY
FRED E. AKEL P.E. #12859

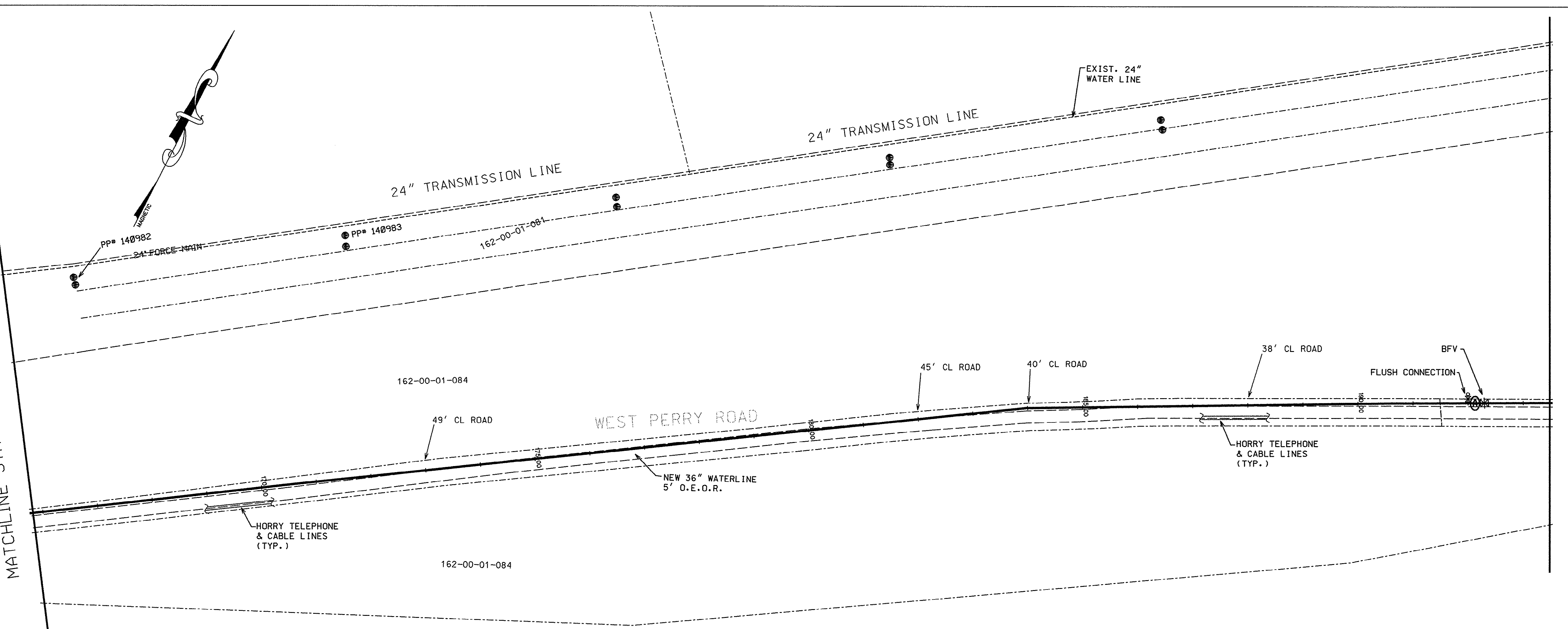
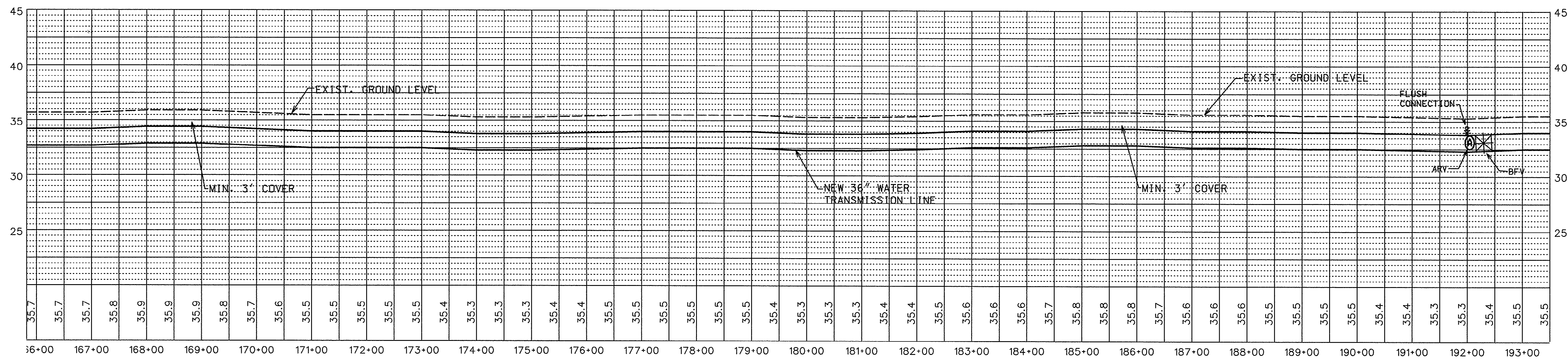
SHEET 8 OF 12

DRAWING NO.

28-027-008 /012

MATCHLINE STA 165+82

MATCHLINE STA 193+49



THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: *[Signature]* DATE: 2-2-01
INSPECTIONS

REVIEWED BY: *[Signature]* DATE: 2/7/01
ENGINEERING

GRAND STRAND WATER AND SEWER AUTHORITY

BUCKSVILLE CROSSING
36" WATER TRANSMISSION LINE EXT.
GRAND STRAND WATER & SEWER AUTHORITY

TELEPHONE 680 547-464 OR 440-1666

PROJECT # 07-442-07

DATE: MAY 1999

SCALE: 1" = 100'

FILENAME: BUCK_EXT.DGN

DRAWN BY: *[Signature]*
ANDY TROUBLEFIELD
CAROLYN WRIGHT

CHECKED BY: JIM HEMBREE

APPROVED BY: *[Signature]*

FRED E. AKEL P.E. #12859

SHEET 9 OF 12

DRAWING NO.

REVISION

BY: CAW

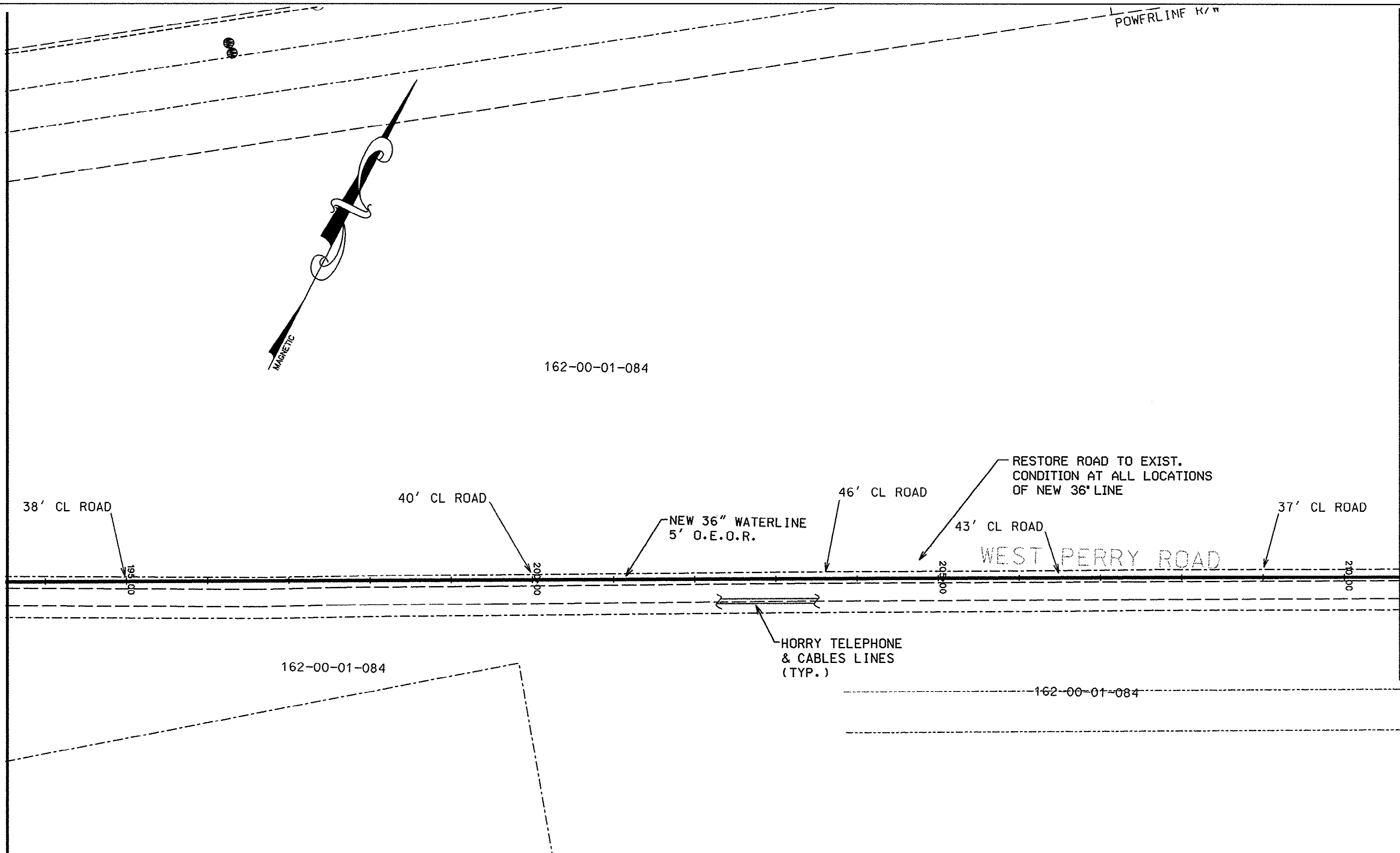
DATE: 9/28/00

AT: 1/30/01

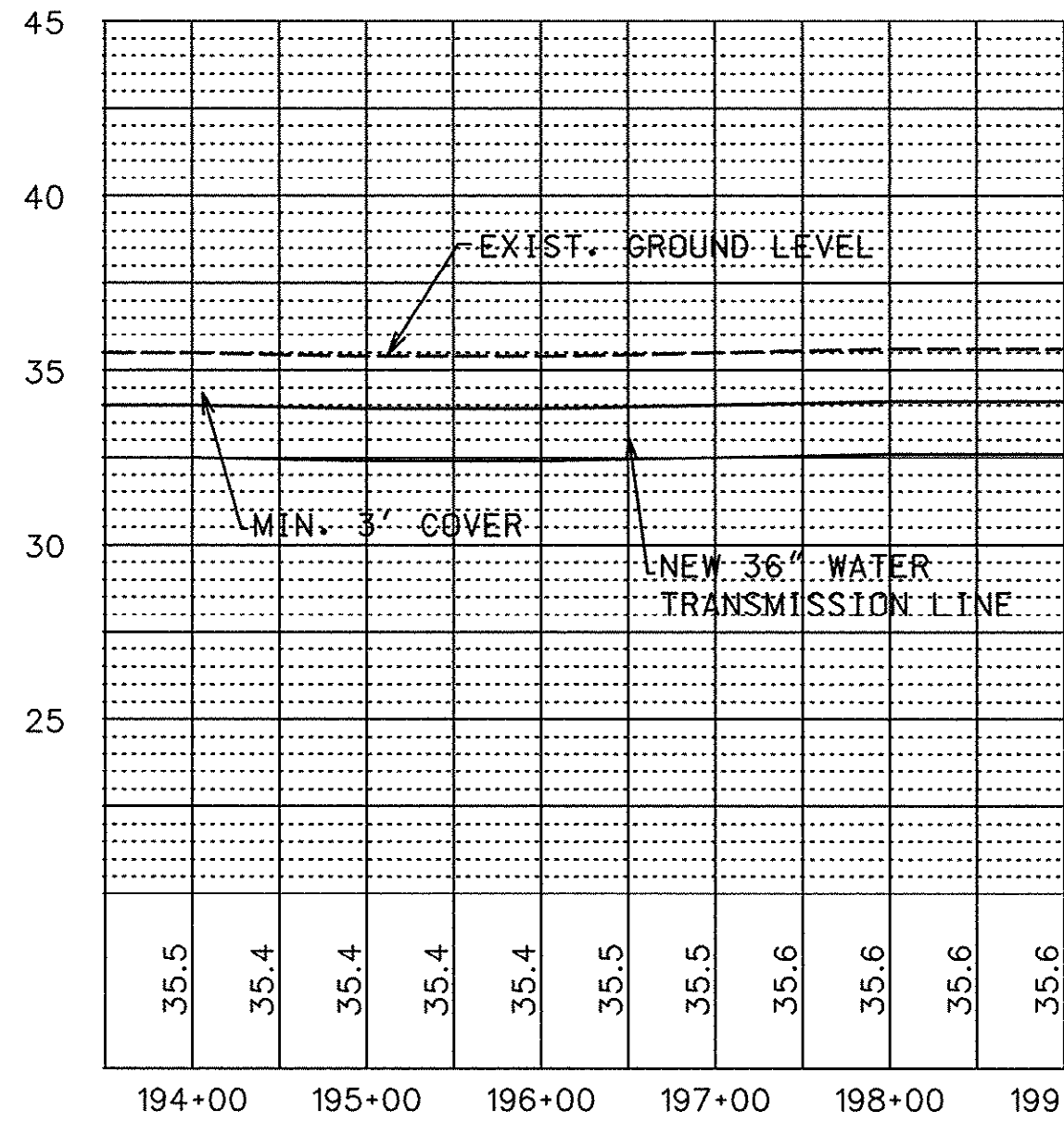
ASBUILT

FIELD NOTES

MATCHLINE STA 193+49



MATCHLINE STA 210+69



PROFILE
CONTINUED
BELOW

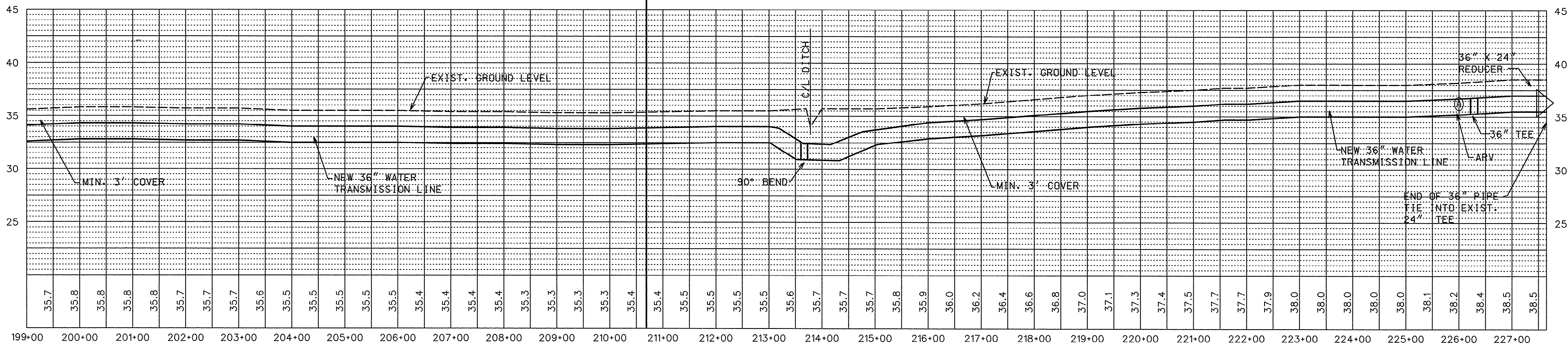
THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: *[Signature]* DATE: 2-2-01
INSPECTIONS

REVIEWED BY: *[Signature]* DATE: 2/7/01
ENGINEERING

GRAND STRAND WATER AND SEWER AUTHORITY

SEE SHEET 11 FOR PLANS



CONTINUATION OF
ABOVE PROFILE

BUCKSVILLE CROSSING
36" WATER TRANSMISSION LINE EXT.
GRAND STRAND WATER & SEWER AUTHORITY

P.O. BOX 1887 CONWAY, SC 29536

PROJECT # 07-442-07

DATE: MAY 1999

SCALE: 1" = 100'

FILENAME: BUCK_EXT.DGN

DRAWN BY: *[Signature]*
CAROLYN WRIGHT

CHECKED BY: JIM HEMBREE

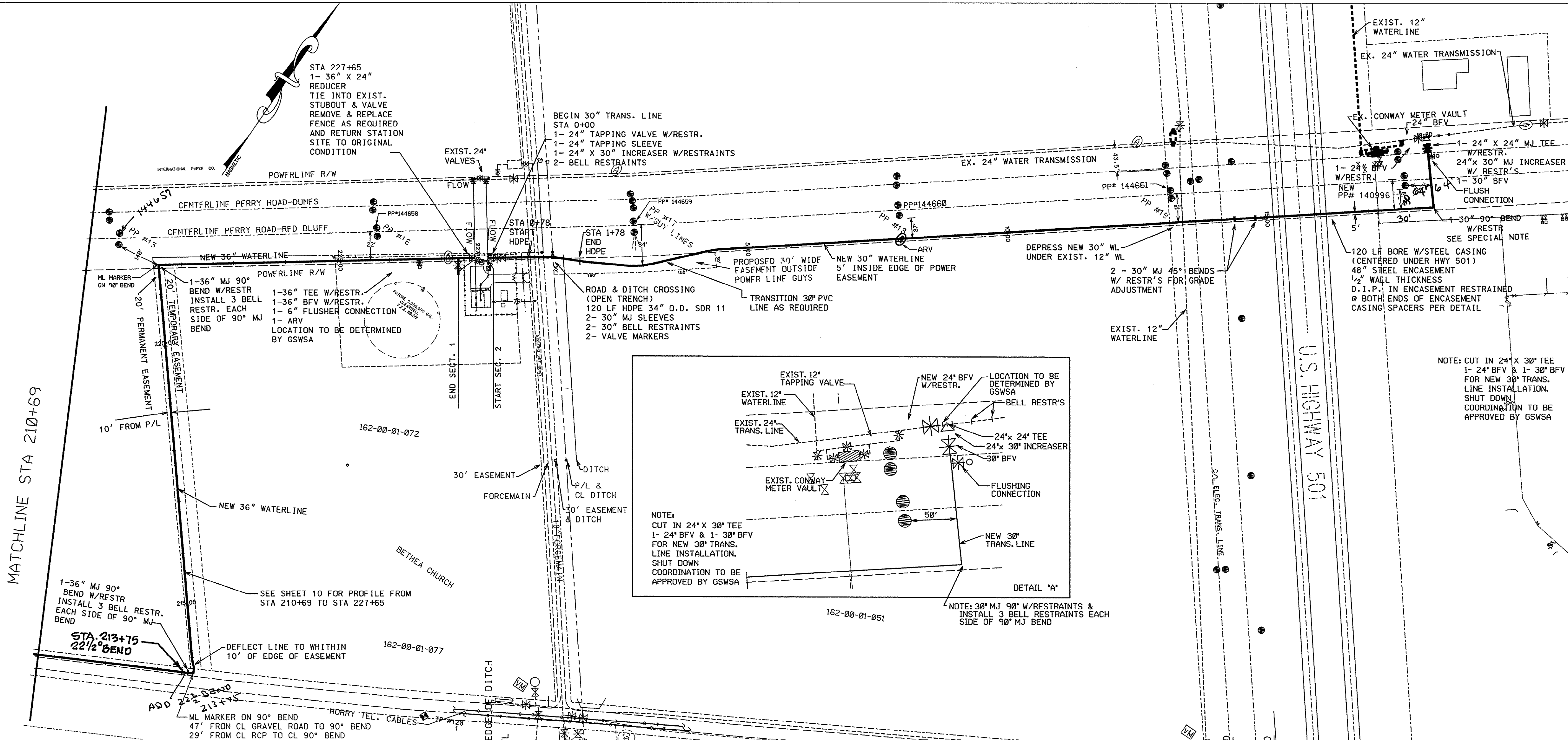
APPROVED BY:

FRED E. AKEL P.E. #12859

SHEET 10 OF 12

DRAWING NO.

28-027-010 /012



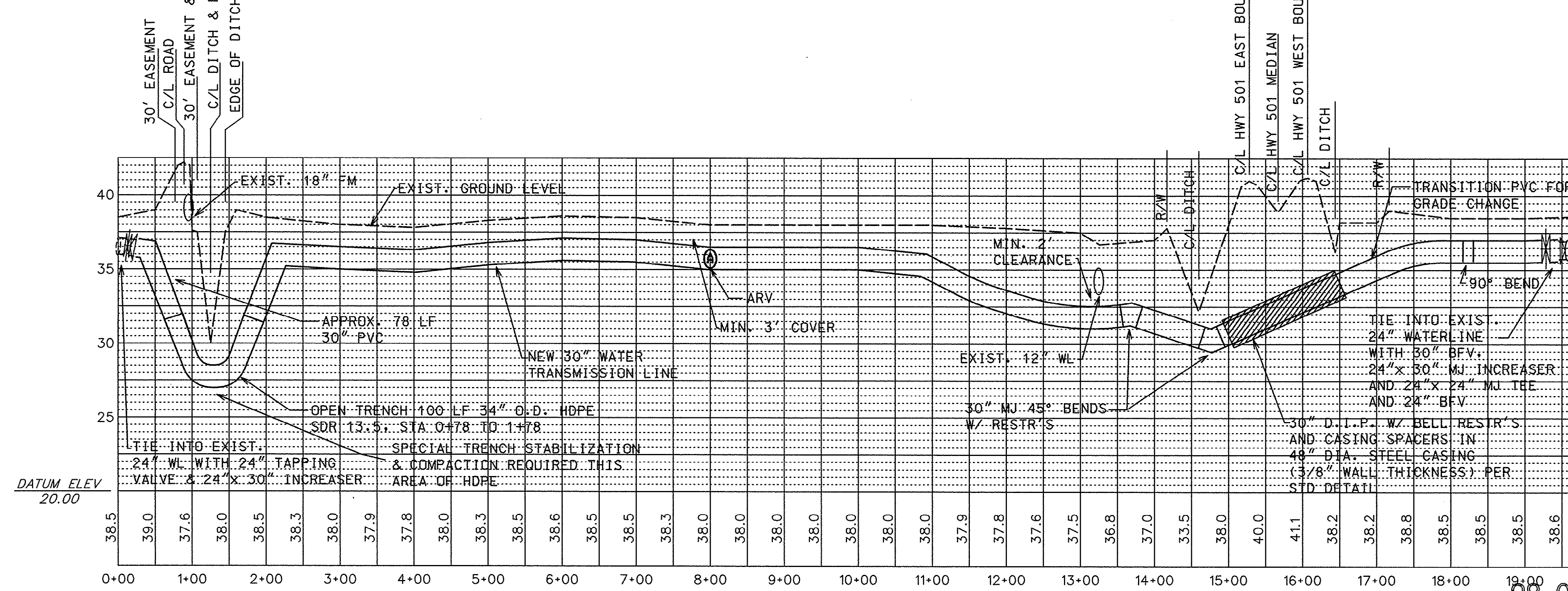
SEE SHEET 10 FOR PROFILE
STA 210+69 THRU 227+68

THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: *[Signature]* DATE: 2/2/01
INSPECTIONS

REVIEWED BY: *[Signature]* DATE:
ENGINEERING

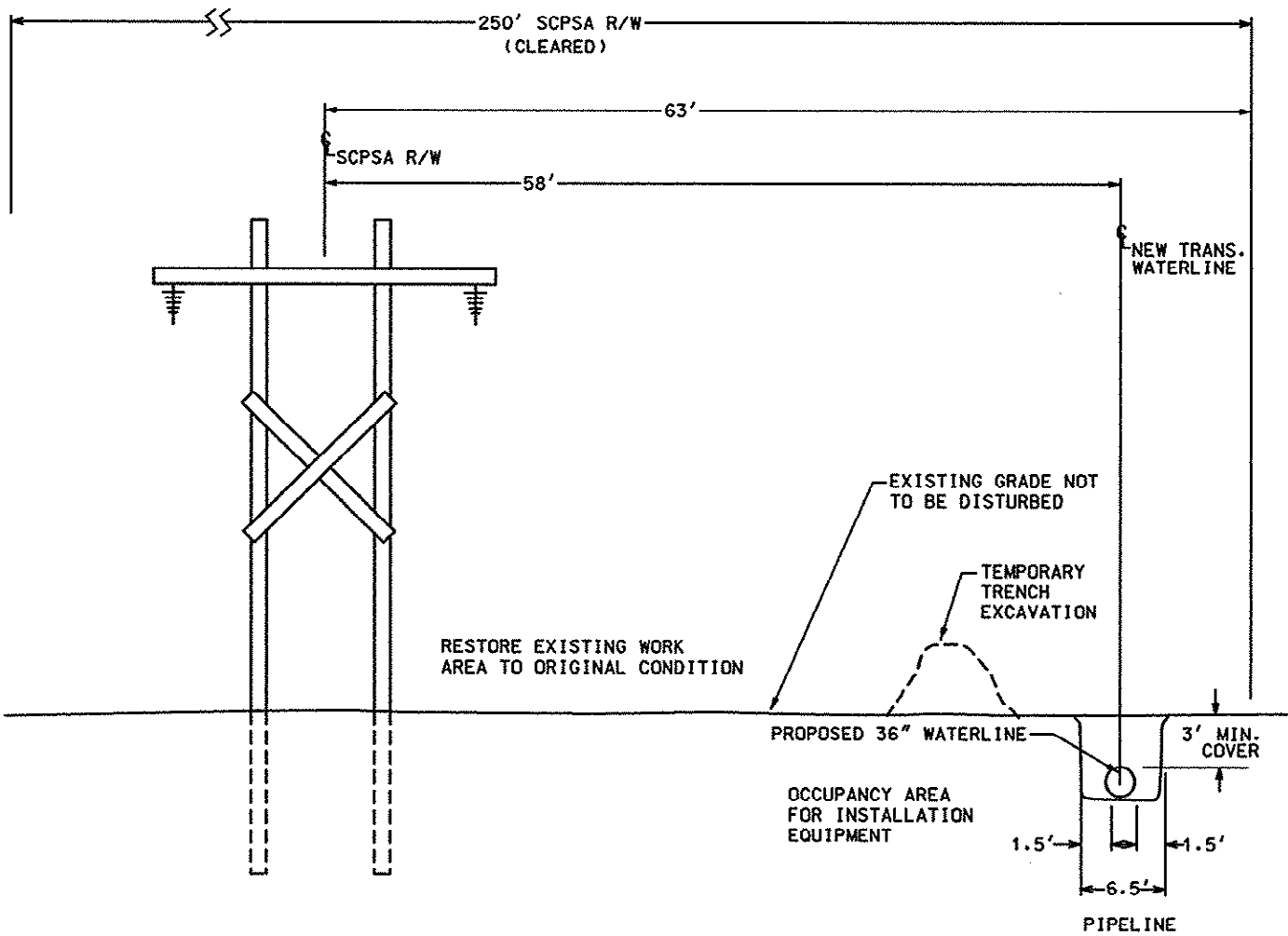
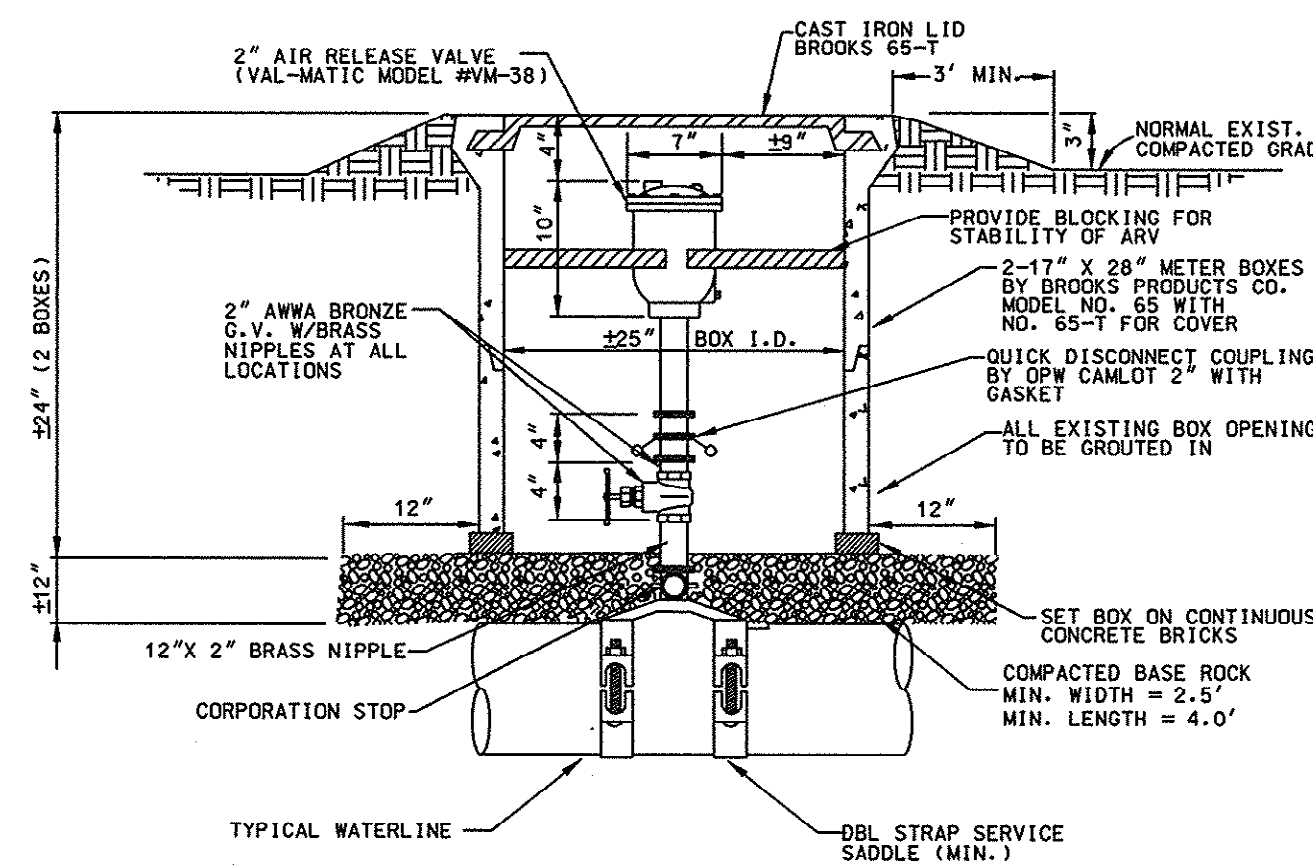
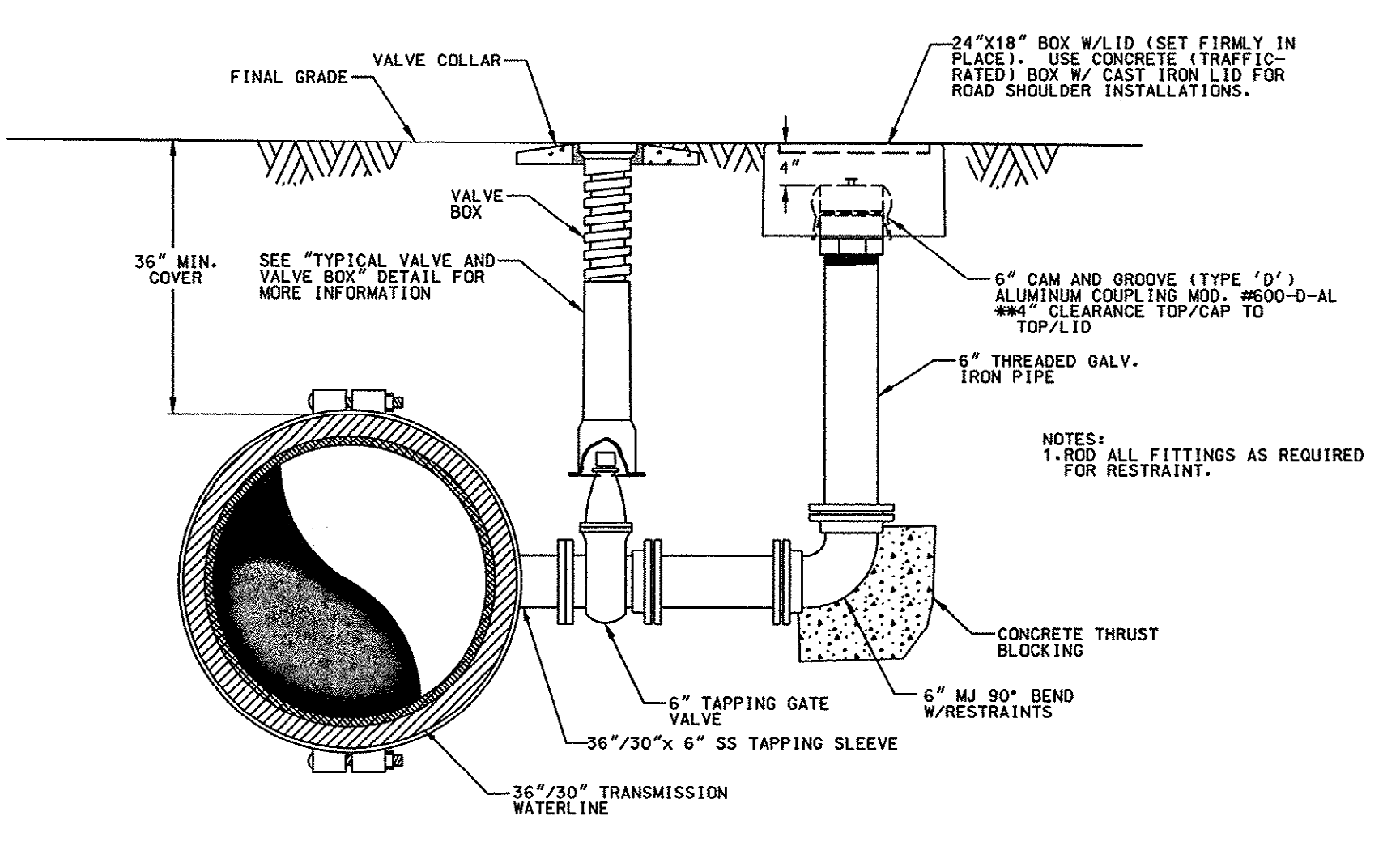
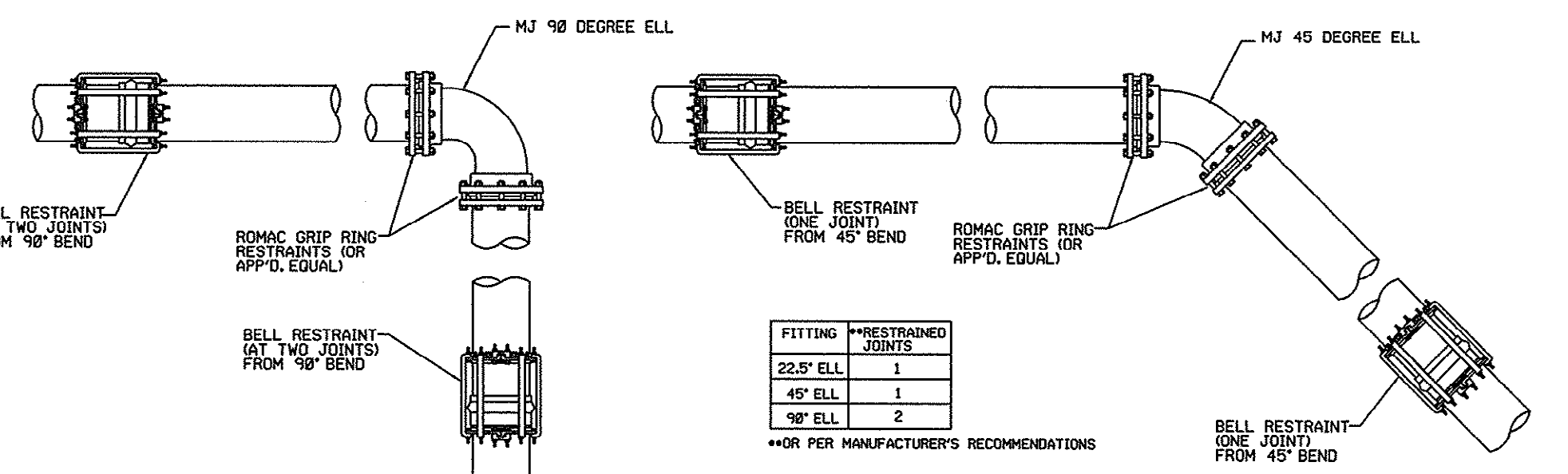
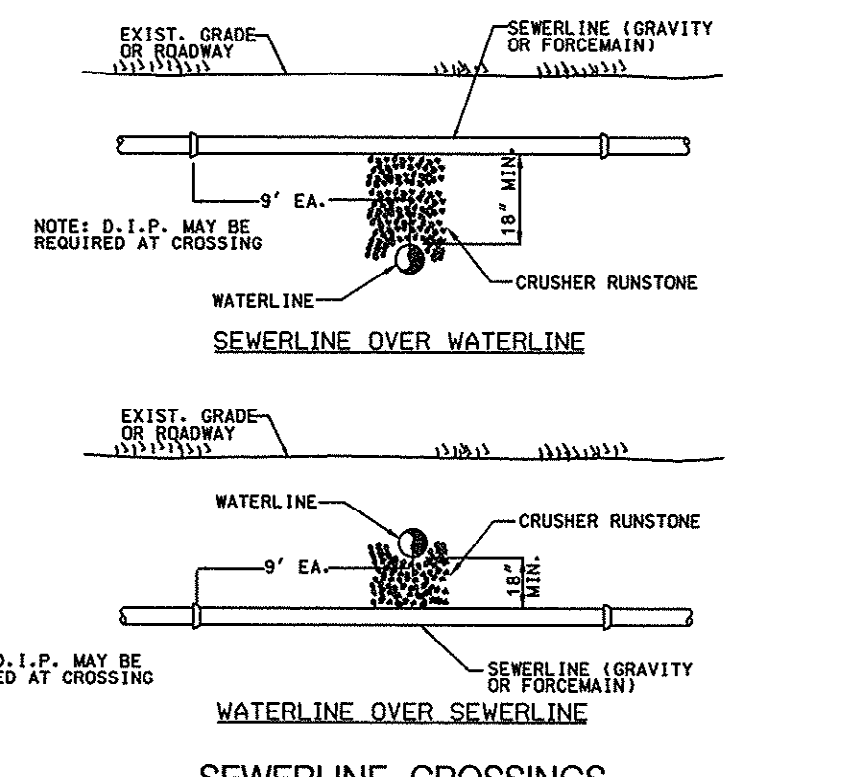
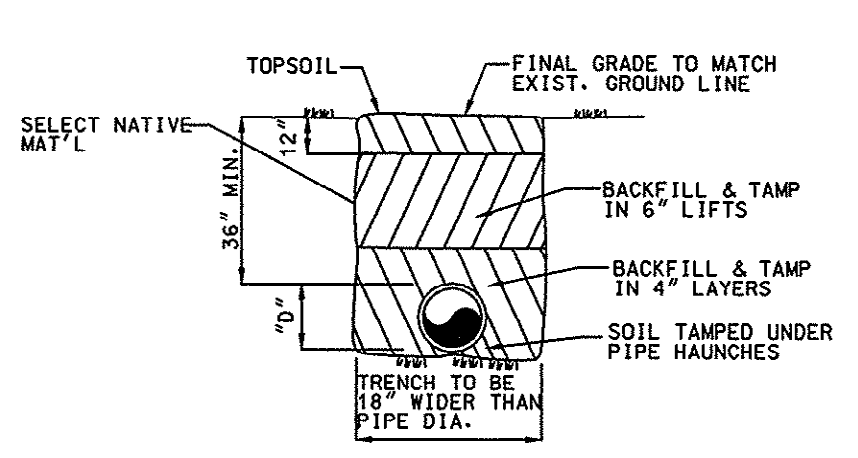
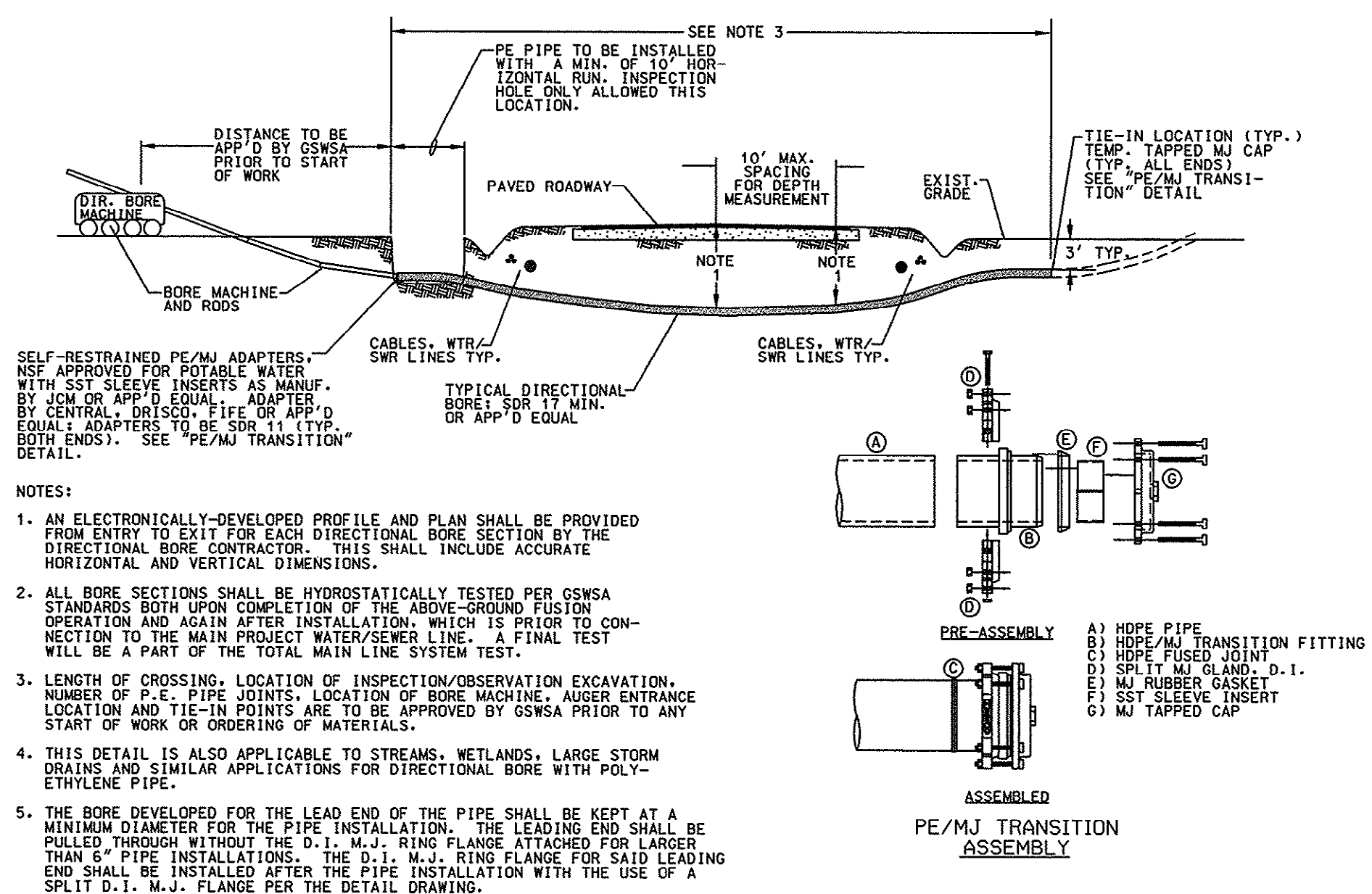
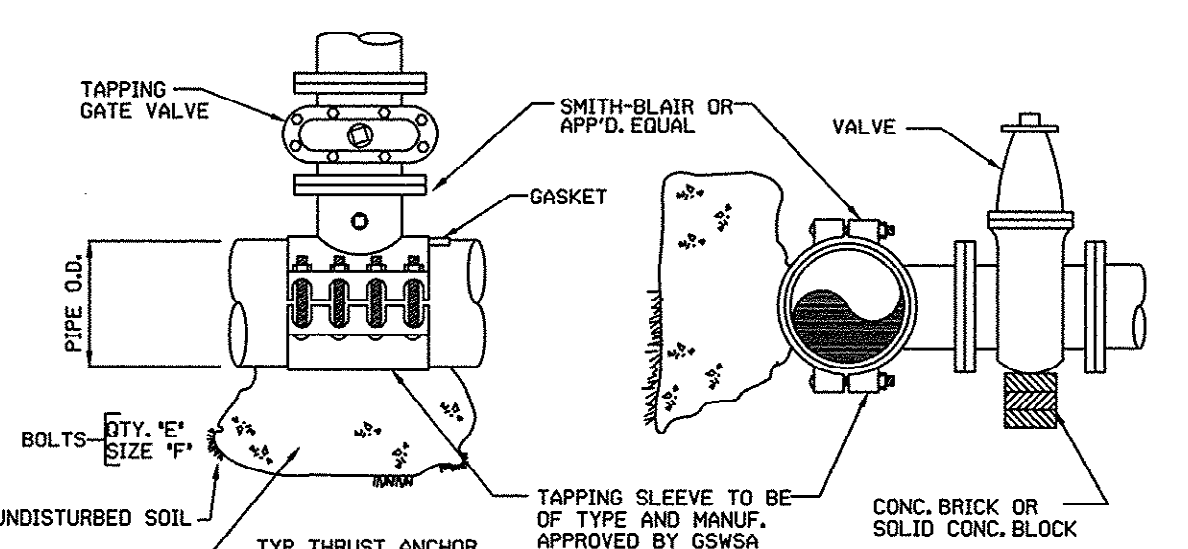
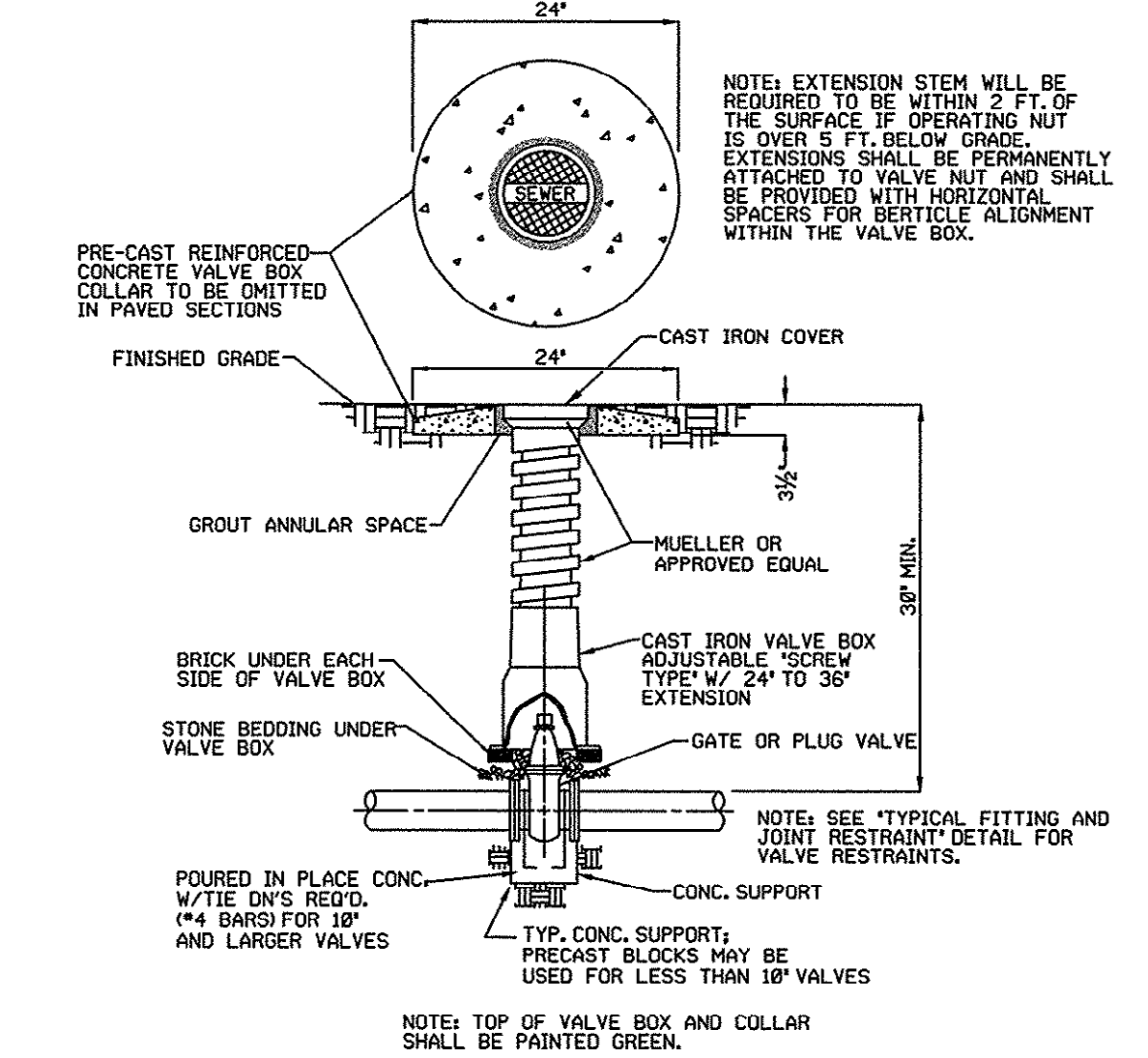
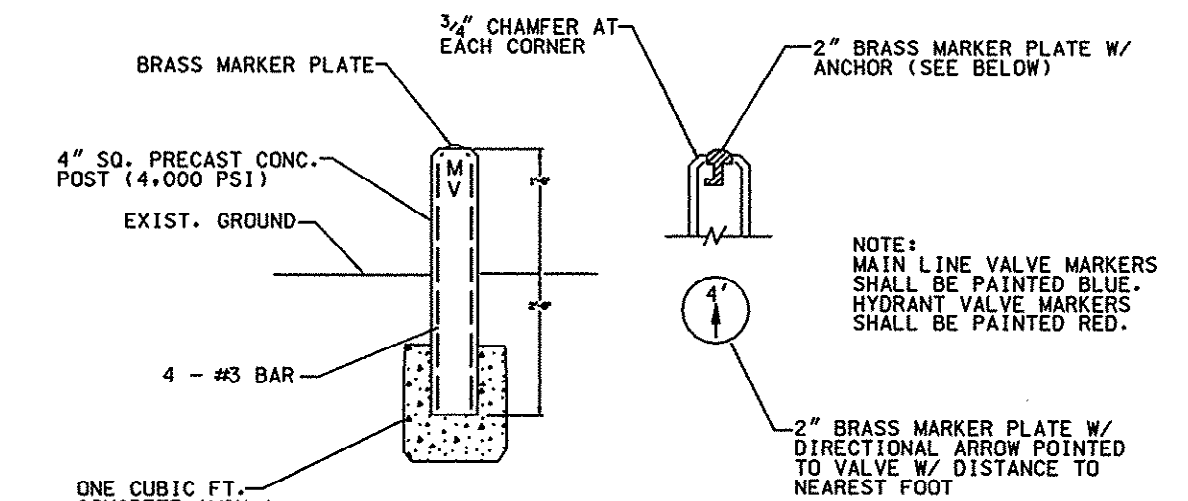
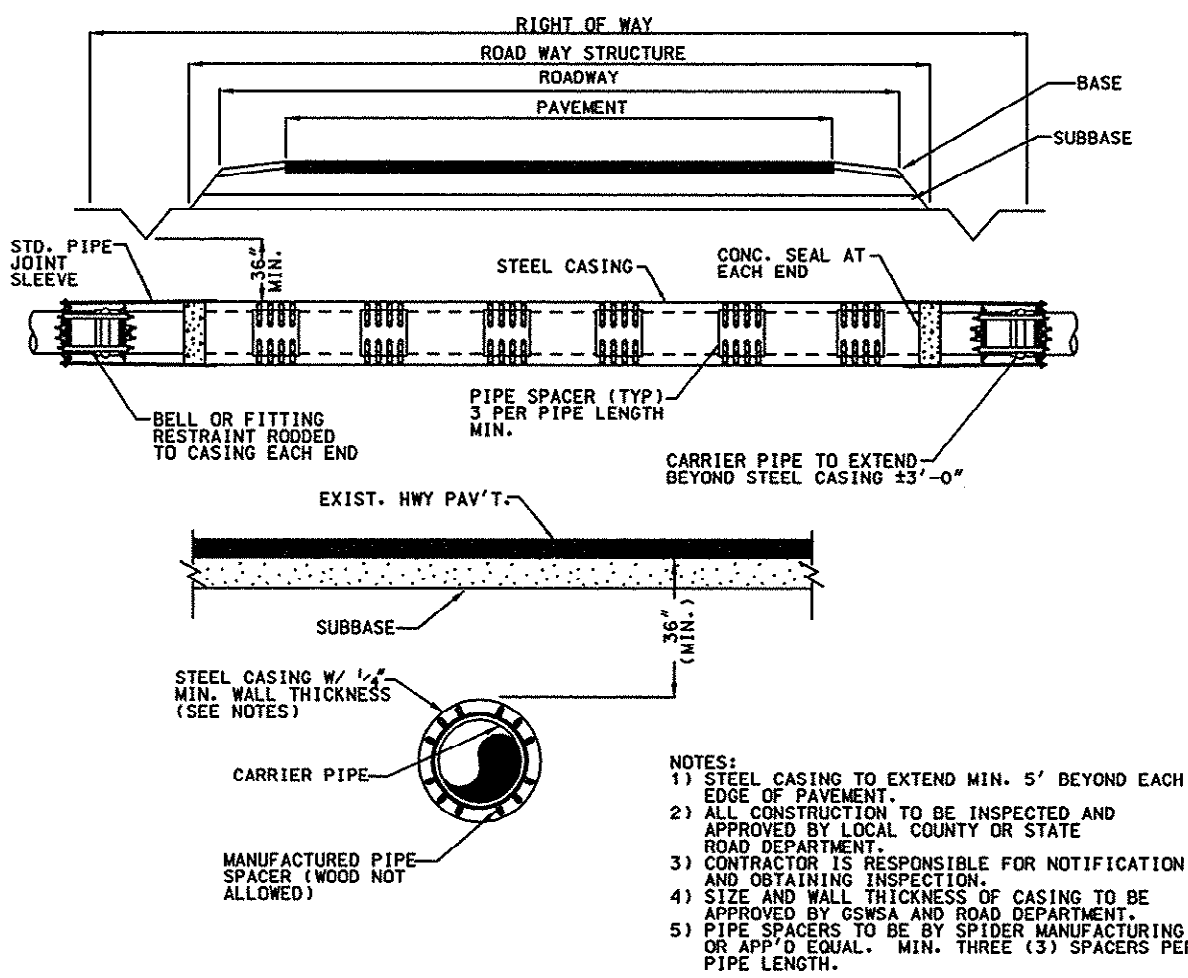
GRAND STRAND WATER AND SEWER AUTHORITY



28-027-011/012

BUCKSVILLE CROSSING 36" WATER TRANSMISSION LINE EXT. GRAND STRAND WATER & SEWER AUTHORITY

DATE	9/28/00
BY	CAW
AT	1/30/01
REVISION	
ASBUILT	
FIELD NOTES	
PROJECT #	07-442-07
DATE:	MAY 1999
SCALE:	1" = 100'
FILENAME:	BUCK_EXT.DGN
DRAWN BY	<i>[Signature]</i>
CHECKED BY	<i>[Signature]</i>
APPROVED BY	JIM HEMBREE
FRED E. AKEL P.E. #12859	
SHEET 11 OF 12	
DRAWING NO.	



THESE DRAWINGS REFLECT
AS-BUILT
CONDITIONS

REVIEWED BY: *Fred E. Akel* 2-2-01
INSPECTIONS DATE

REVIEWED BY: *JMH* 2/7/01
ENGINEERING DATE

GRAND STRAND WATER AND SEWER AUTHORITY

BUCKSVILLE CROSSING
36" WATER TRANSMISSION LINE EXT.
(STANDARD DETAILS)

GRAND STRAND WATER & SEWER AUTHORITY

TELEPHONE (803) 547-4641 OR 448-1686

P.O. BOX 1887, CONWAY, SC 29526

PROJECT #	07-442-07
DATE:	MAY 1999
SCALE:	NTS
FILENAME:	DETAIL.DGN
DRAWN BY:	<i>Carolyn Wright</i> CAROLYN WRIGHT
CHECKED BY:	JIM HEMBREE
APPROVED BY:	
FRED E. AKEL P.E. #12859	
SHEET 12 OF 12	
DRAWING NO.	

28-027-012/012