

09/08/99

T.I.P. NO.	SHEET NO.
WBS ELEMENT: 39692	UC-1

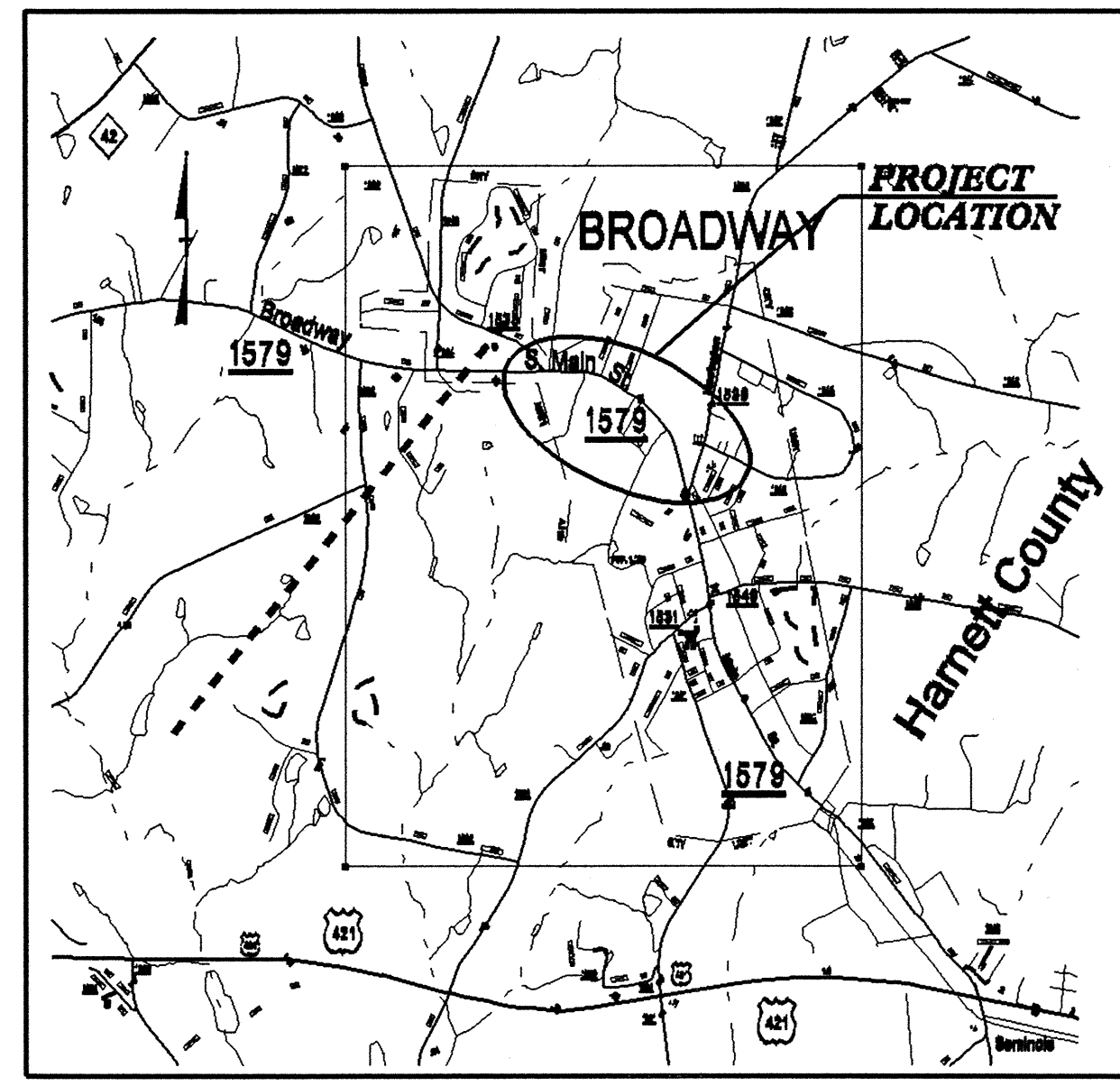
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**UTILITY CONSTRUCTION PLANS  
LEE COUNTY**

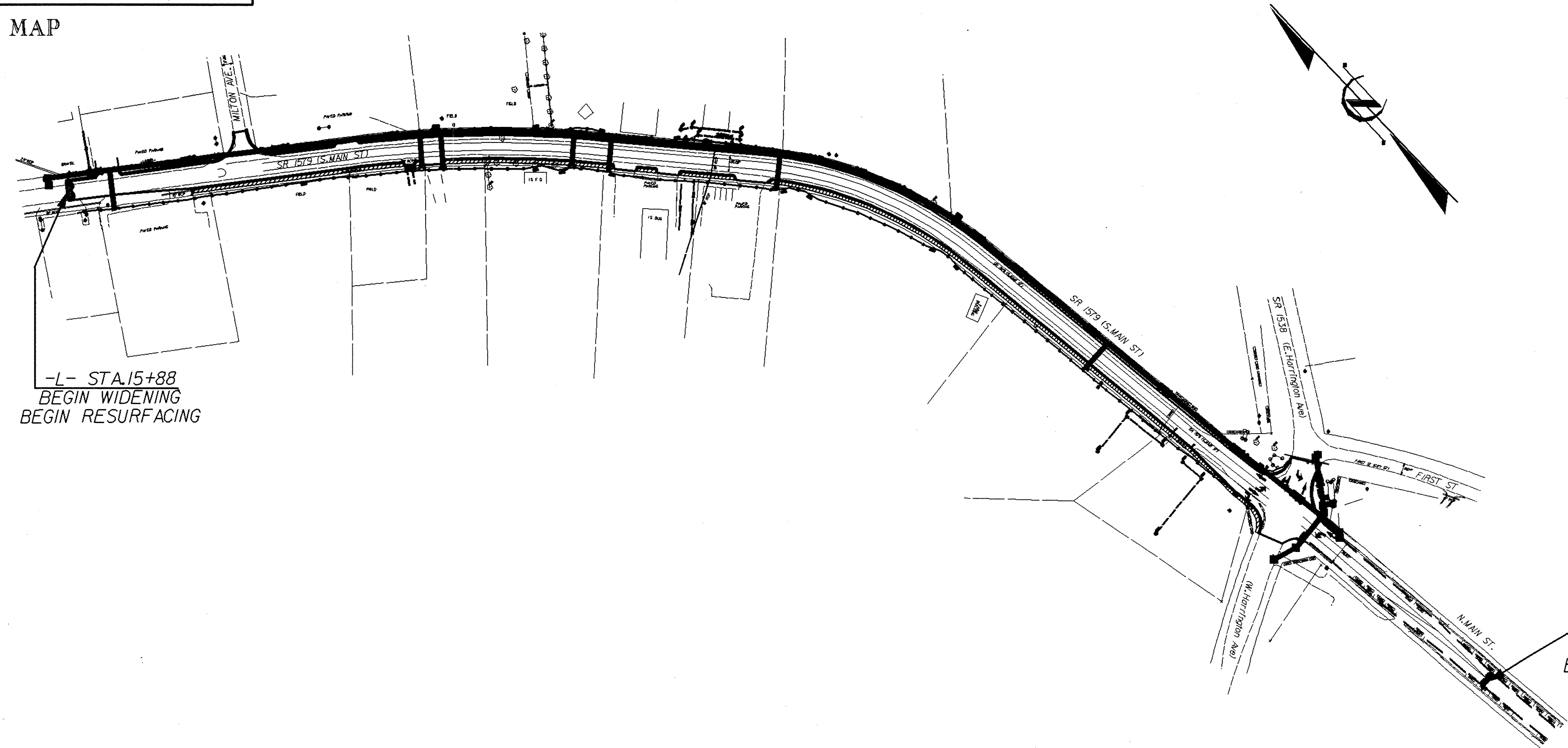
**LOCATION: FROM THE INTERSECTION OF SR 1535 & SR 1579  
TO THE INTERSECTION OF SR 1538 & SR 1579**

**TYPE OF WORK: WATER LINE RELOCATION**

**TIP PROJECT: 39692**



VICINITY MAP



-L- STA. 15+88  
BEGIN WIDENING  
BEGIN RESURFACING

-L- STA. 41+36  
END WIDENING  
END RESURFACING

PLANS ORIGINALLY SEALED BY  
GREG Y. STEVENS P.E. ON MARCH  
30, 2008. CHANGED TO REFLECT  
ROADWAY DRAINAGE CHANGES AND  
2008 STANDARD SPECIFICATIONS.

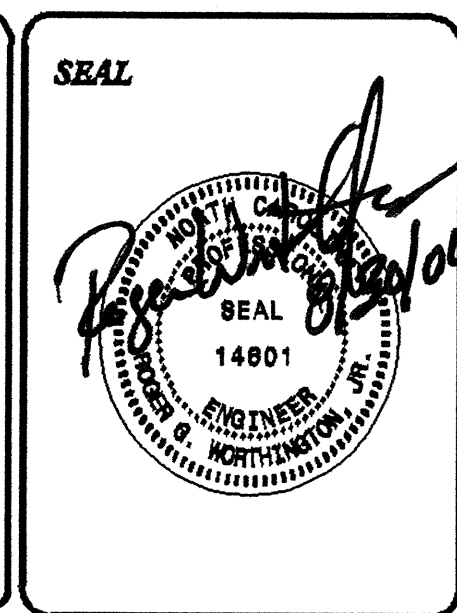
**2006 STANDARD  
SPECIFICATIONS  
FOR ROADS AND  
STRUCTURES**

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2 THRU UC-5	UTILITY CONSTRUCTION PLAN SHEETS
UC-6	PROFILE SHEET
UC-7	DETAIL SHEET

**WATER AND SEWER OWNERS ON PROJECT**

(1) TOWN OF BROADWAY

CONTACT:  
MR. ROBERT W. STEVENS PH. 919 258 - 9922



PREPARED IN THE OFFICE OF:  
**DIVISION OF HIGHWAYS  
PROJECT SERVICES  
UTILITY SECTION**

1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591  
PHONE (919) 258-4128  
FAX (919) 258-4119

**R. G. WORTHINGTON, JR., P.E. UTILITIES SECTION ENGINEER**

UTILITIES SQUAD LEADER PROJECT ENGINEER

Y. MOUA UTILITIES PROJECT DESIGNER

30-AUG-2006 14:46 Y.MOUA projects\39692\proj\psn\uc\39692\_uc\_psh01\_tsh.dgn

PROJECT REFERENCE NO. <b>39692</b>	SHEET NO. <b>UC-2</b>
DESIGNED BY: VM	
DRAWN BY: VM	
CHECKED BY: RGW	
APPROVED BY: RGW	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: (919) 250-4128 FAX: (919) 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

**UTILITY CONSTRUCTION**

PLANS ORIGINALLY SEALED BY GREG Y. STEVENS P.E. ON MARCH 30, 2006. CHANGED TO REFLECT ROADWAY DRAINAGE CHANGES AND 2006 STANDARD SPECIFICATIONS.

FOR PROFILE OF -LINE1-, SEE SHEET UC-6

ALL WATER AND SEWER LINES ARE OWNED BY THE TOWN OF BROADWAY

PROP. 452' - 10" WATER LINE  
PROP. 10' - 8" WATER LINE

PROP. 433' - ABANDON 8" UTILITY PIPE (AC WATER)

RECONNECT WATER METER

RECONNECT WATER METER

PROP. (1) - 10" VALVE

PROP. (1) - 8" VALVE

3  
WORNOM & PERKINS LLC  
DB 935 PG 898

5  
HENRY J GREEN  
LYNNE W GREEN  
DB 741 PG 116

386' OF 10" DI WATER PIPE

RECONNECT WATER METER

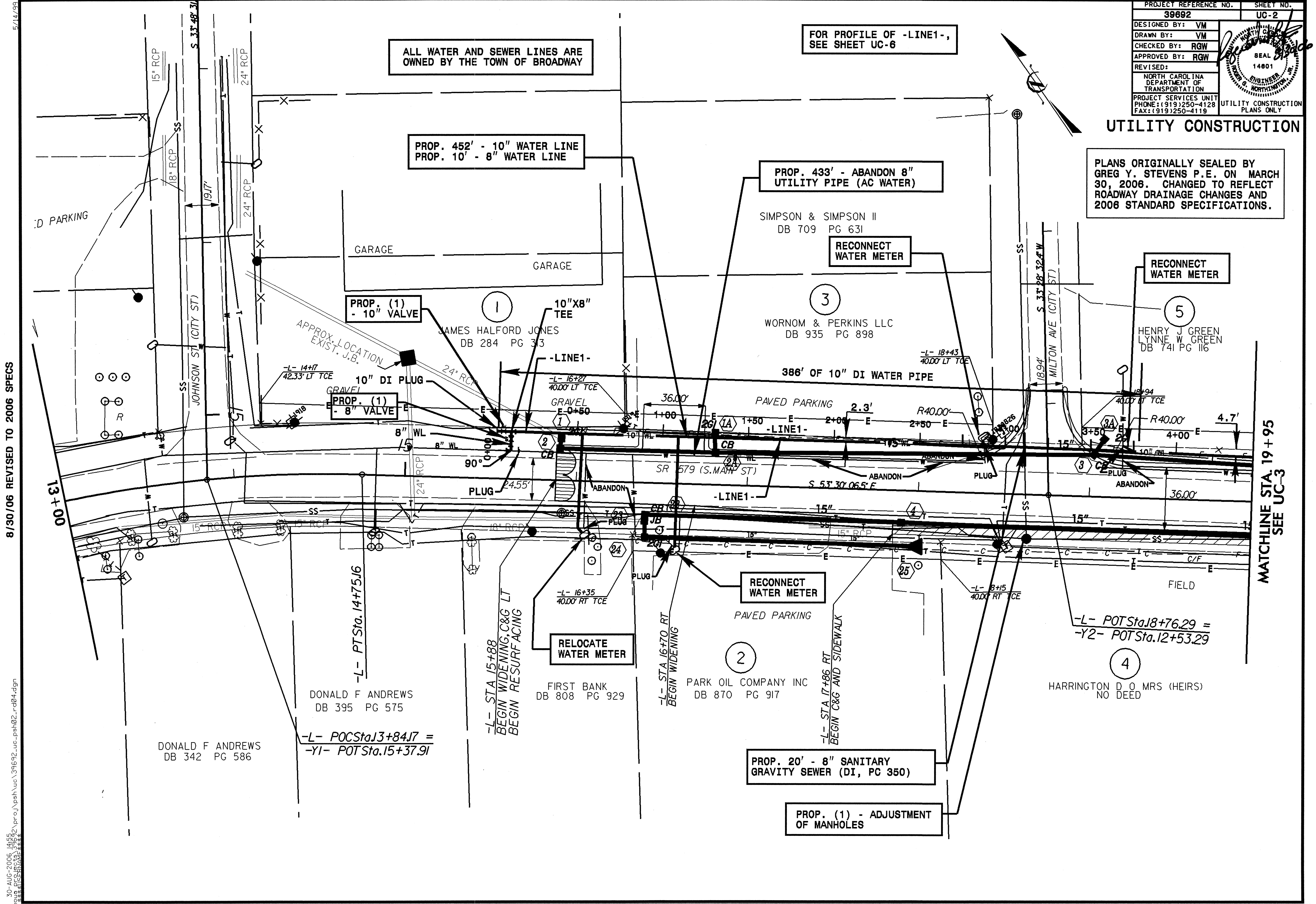
RELOCATE WATER METER

2  
PARK OIL COMPANY INC  
DB 870 PG 917

4  
HARRINGTON D O MRS (HEIRS)  
NO DEED

PROP. 20' - 8" SANITARY GRAVITY SEWER (DI, PC 350)

PROP. (1) - ADJUSTMENT OF MANHOLES



8/30/06 REVISED TO 2006 SPECS

30-AUG-2006 14:55  
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MATCHLINE STA. 19+95  
SEE UC-3

PROJECT REFERENCE NO.	39692	SHEET NO.	UC-3
DESIGNED BY:	VM		
DRAWN BY:	VM		
CHECKED BY:	RGW		
APPROVED BY:	RGW		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY	
PROJECT SERVICES UNIT		PHONE: (919)250-4128	
FAX: (919)250-4119			

PLANS ORIGINALLY SEALED BY GREG Y. STEVENS P.E. ON MARCH 30, 2006. CHANGED TO REFLECT ROADWAY DRAINAGE CHANGES AND 2006 STANDARD SPECIFICATIONS.

DAVID WAYNE WARD  
MARETTA KAY WARD  
DB 932 PG 539

ALL WATER AND SEWER LINES ARE OWNED BY THE TOWN OF BROADWAY

UTILITY CONSTRUCTION

NOTE: ALL EARTHWORKS & CONSTRUCTION SHALL STAY A MIN OF 5' FROM THE NEAREST WALL TO THE ROAD

FOR PROFILE OF -LINE1-, SEE SHEET UC-6

PROP. (2) - RELOCATE FIRE HYDRANT

PROP. 695' - ABANDON 8" UTILITY PIPE (AC WATER)

PROP. (1) - 10" VALVE

RELOCATE WATER METER

RELOCATE WATER METER

RELOCATE WATER METER

RECONNECT WATER METER

PROP. (2) - ADJUSTMENT OF MANHOLES

RELOCATE WATER METER  
NOTE: 1" SERVICE LINE

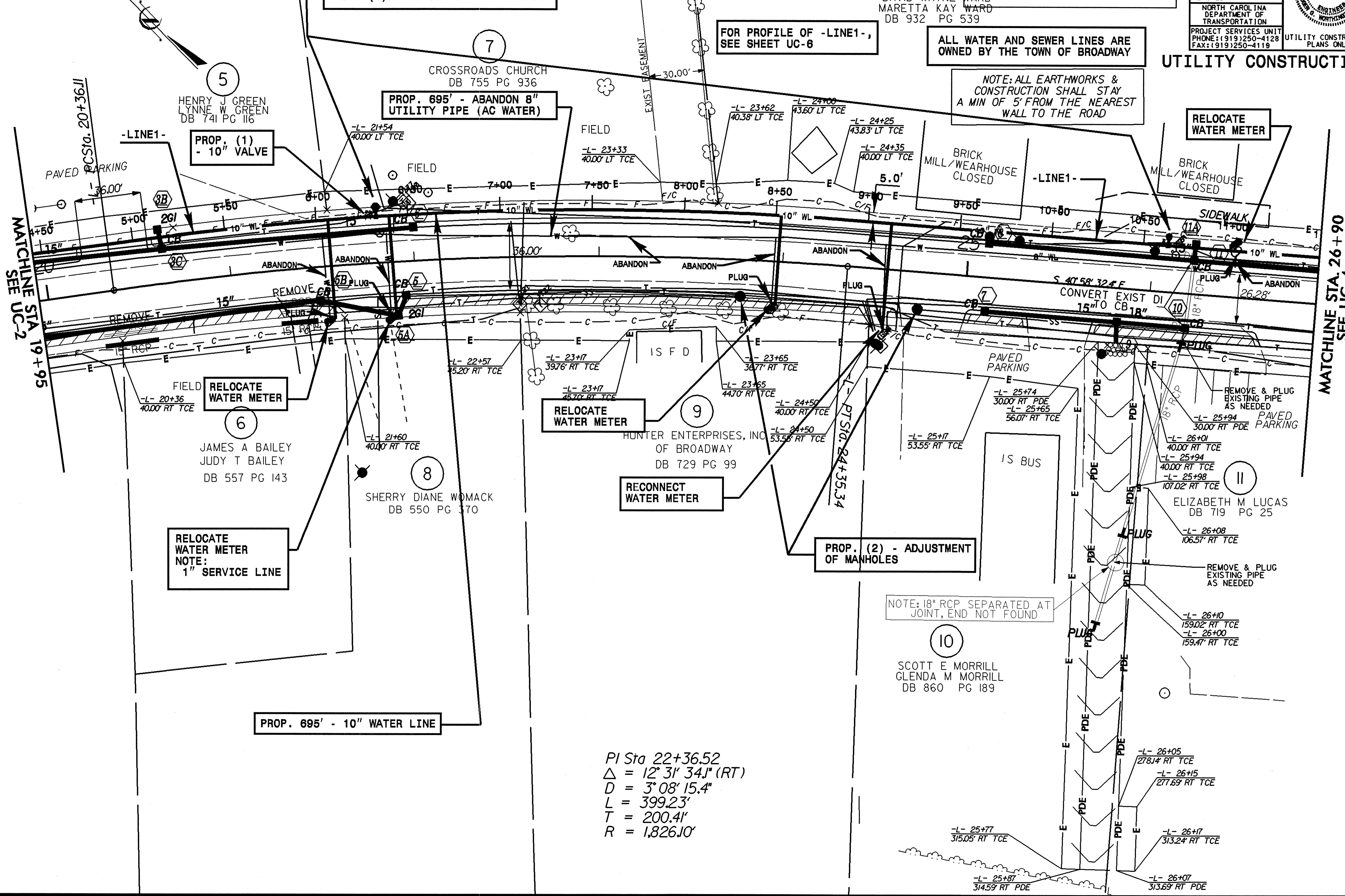
PROP. 695' - 10" WATER LINE

$PI\ Sta\ 22+36.52$   
 $\Delta = 12^\circ 31' 34.1" (RT)$   
 $D = 3^\circ 08' 15.4"$   
 $L = 399.23'$   
 $T = 200.41'$   
 $R = 1,826.10'$

NOTE: 18" RCP SEPARATED AT JOINT, END NOT FOUND

SCOTT E MORRILL  
GLENDA M MORRILL  
DB 860 PG 189

5/14/99  
 30-AUG-2006 14:45  
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# DETAIL SHEET

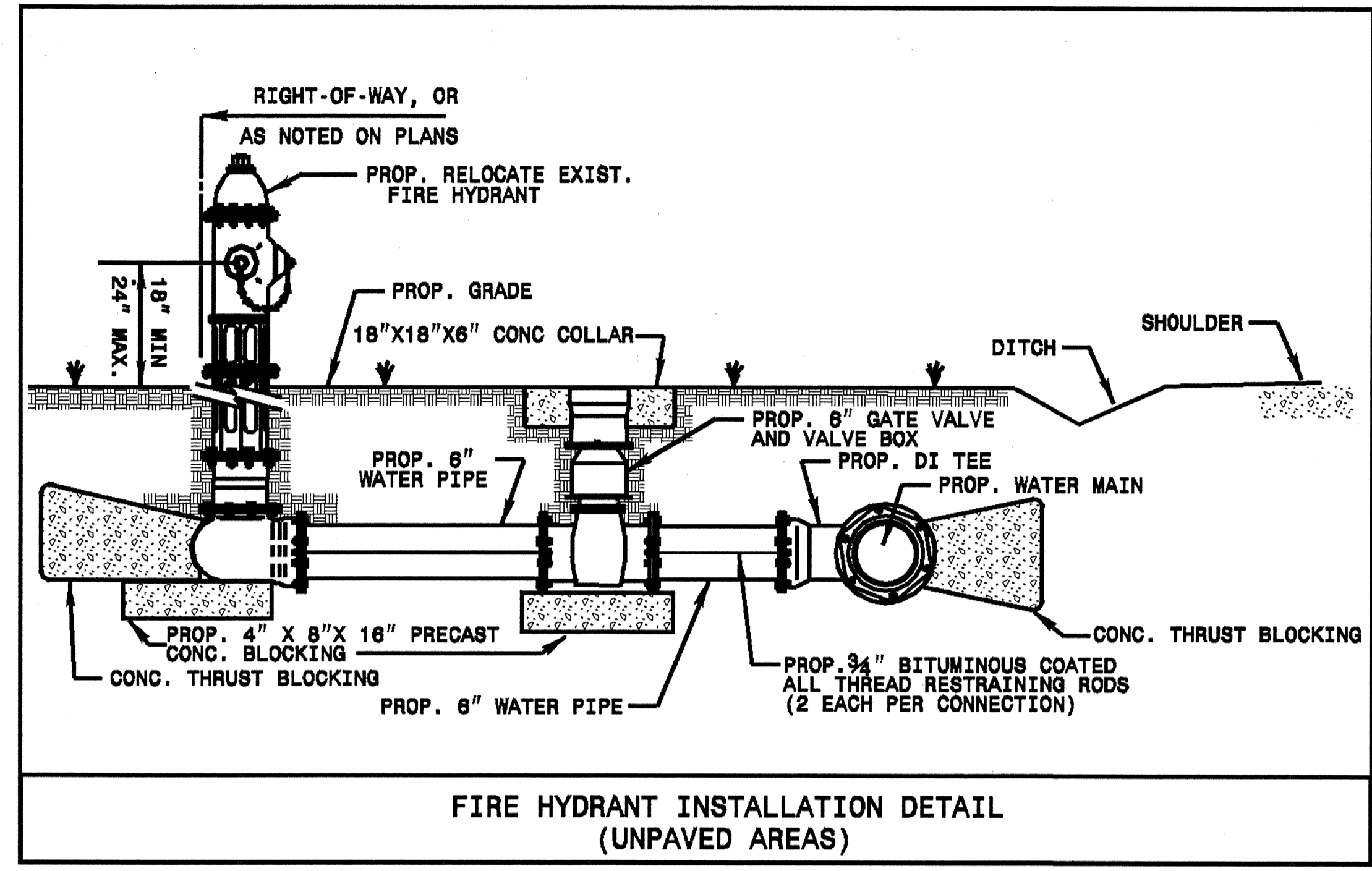
PROJECT REFERENCE NO. <b>39892</b>	SHEET NO. <b>UC-7</b>
DESIGNED BY: VM	
DRAWN BY: VM	
CHECKED BY: RGW	
APPROVED BY: RGW	
REVISD:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION PROJECT SERVICES UNIT PHONE: 1919 250-4128 FAX: 1919 250-4119	
UTILITY CONSTRUCTION PLANS ONLY	

## UTILITY CONSTRUCTION

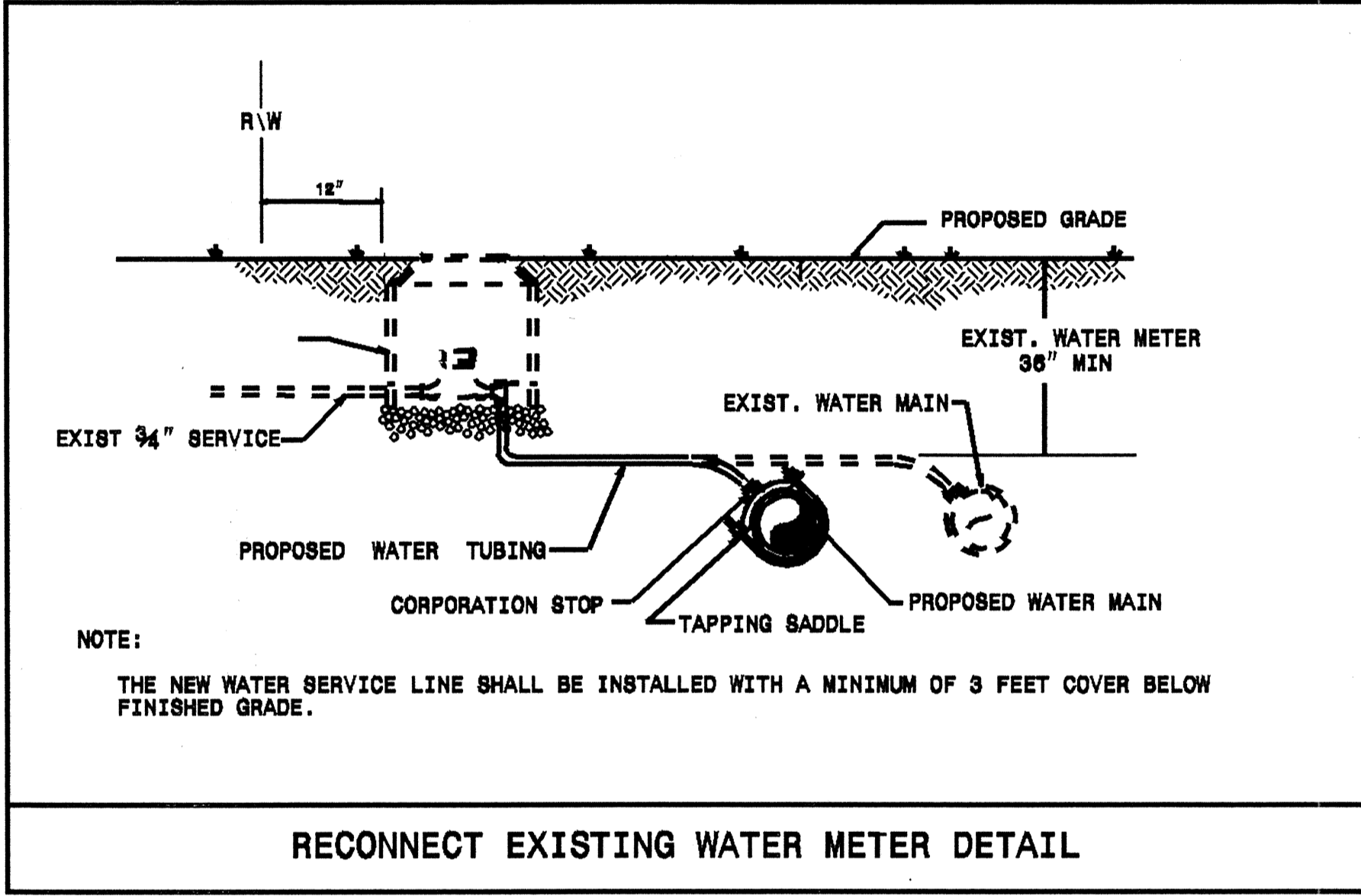
PLANS ORIGINALLY SEALED BY GREG Y. STEVENS P.E. ON MARCH 30, 2006. CHANGED TO REFLECT ROADWAY DRAINAGE CHANGES AND 2006 STANDARD SPECIFICATIONS.

NOTE:  
 DETAILS ARE NOT TO SCALE

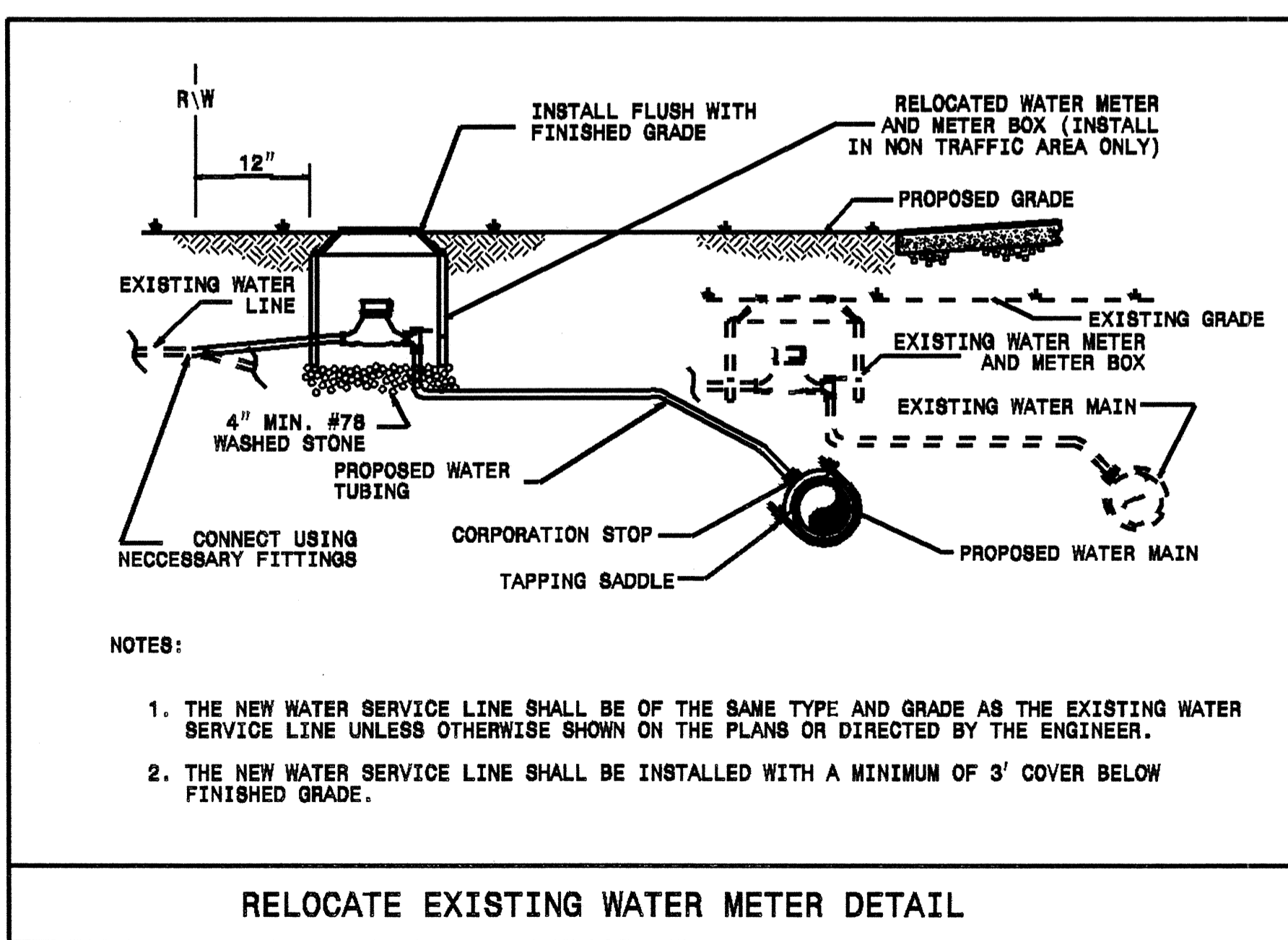
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		



FIRE HYDRANT INSTALLATION DETAIL (UNPAVED AREAS)

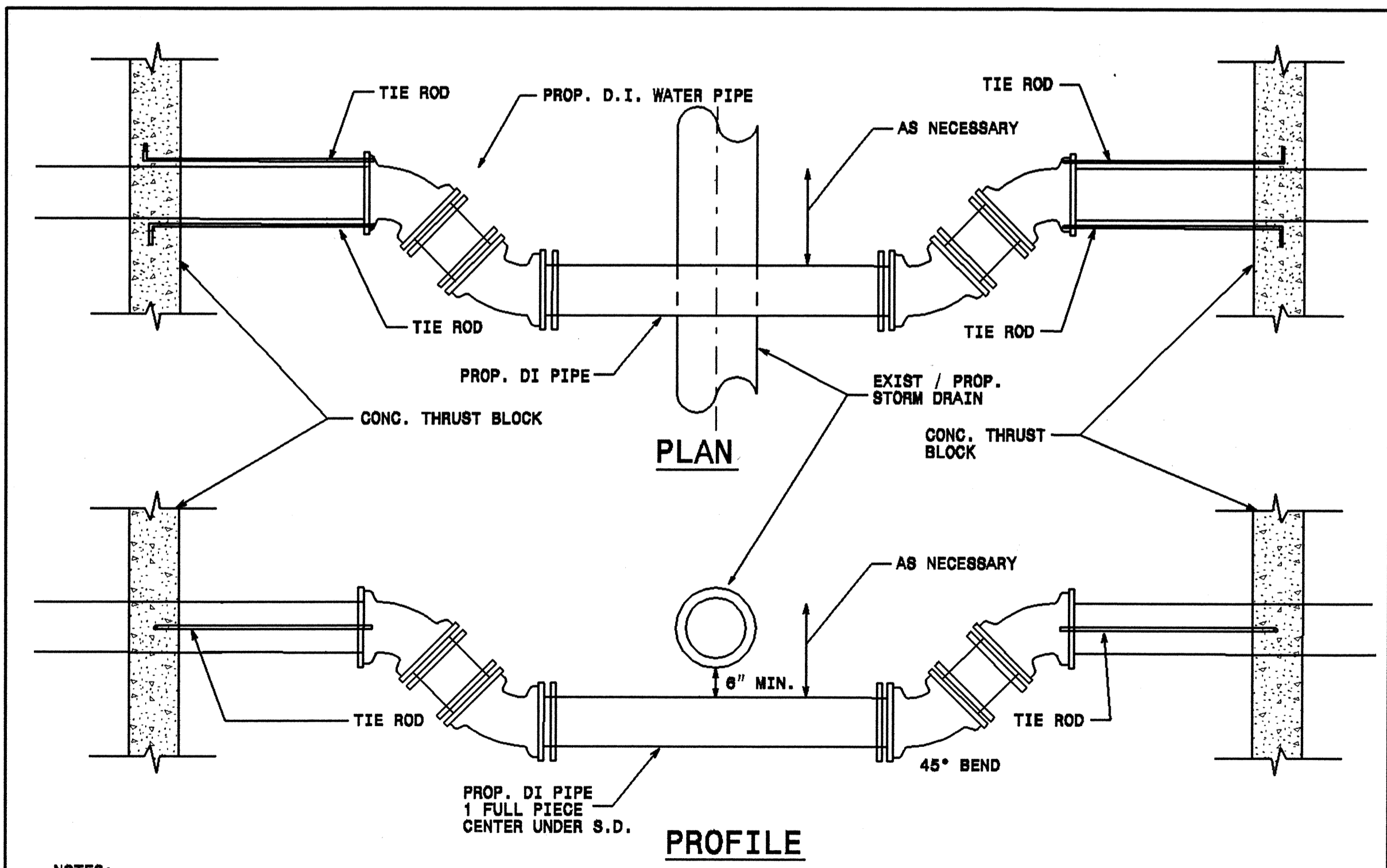


RECONNECT EXISTING WATER METER DETAIL



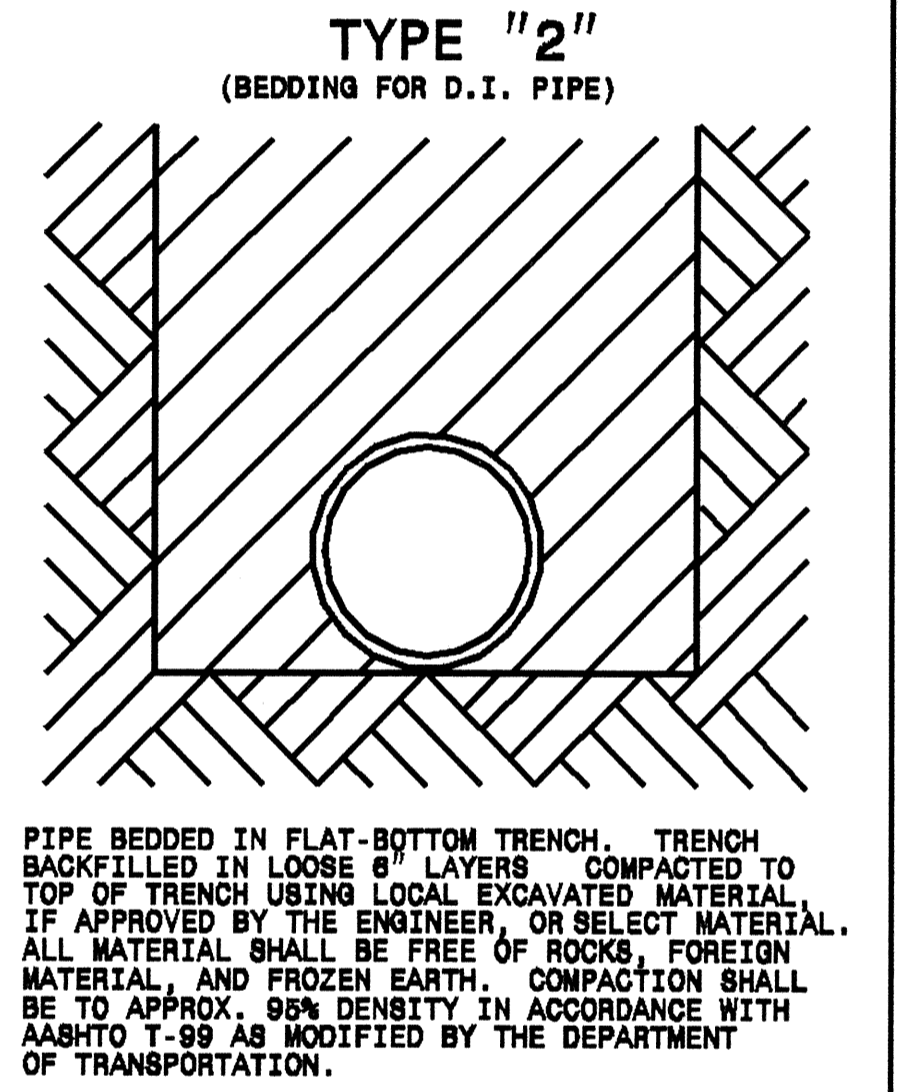
- NOTES:
1. THE NEW WATER SERVICE LINE SHALL BE OF THE SAME TYPE AND GRADE AS THE EXISTING WATER SERVICE LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
  2. THE NEW WATER SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM OF 3' COVER BELOW FINISHED GRADE.

RELOCATE EXISTING WATER METER DETAIL

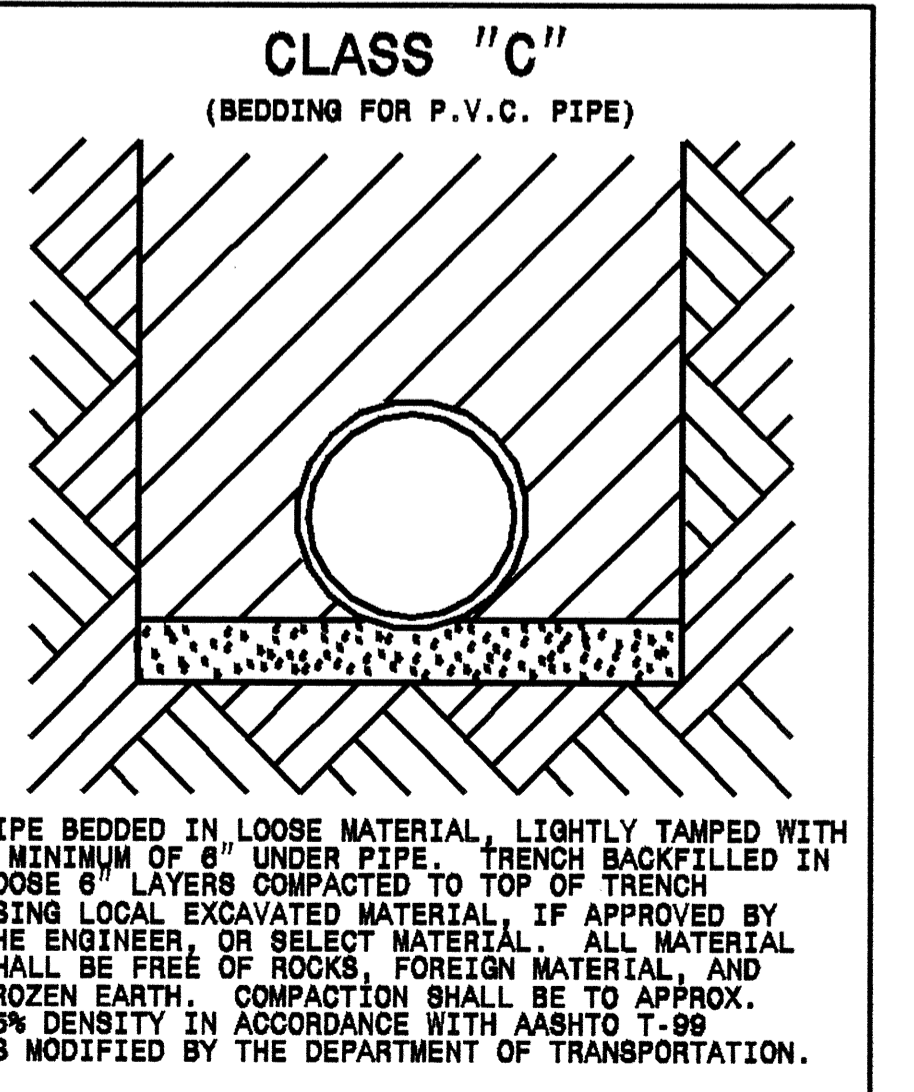


- NOTES:
1. FITTINGS SHALL BE RESTRAINED BY USING TIE RODS OR OTHER METHOD AS APPROVED BY ENGINEER.
  2. CONCRETE THRUST BLOCK SHALL BE PLACED AND CURED THREE DAYS PRIOR TO CUTTING EXISTING PIPE.

INSTALLATION OF 10" DI WATER PIPE AT PROP. STORM DRAINAGE AS SHOWN ON PLANS



PIPE BEDDED IN FLAT-BOTTOM TRENCH. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.



PIPE BEDDED IN LOOSE MATERIAL, LIGHTLY TAMPED WITH A MINIMUM OF 6" UNDER PIPE. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.