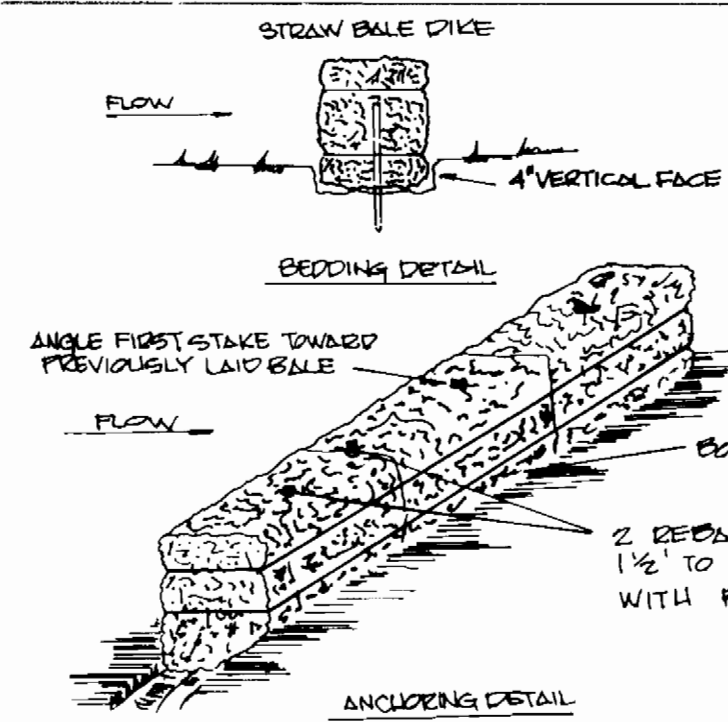


QUANTITIES			
ITEM	EST'D	AS-BUILT	SUPPLIER
8" SEWER	105 L.F.		
MANHOLE	1 EACH		
4" SEWER	64 L.F.		
3/4" W/C	54 L.F.		
6 1/4" SADDLE	1 EACH		

MANHOLE RIM ELEVATION TABULATION CHART				
MANHOLE NO.	4" RD. STA.	OFFSET	RIM ELEV.	SLOPE
310B	2+18	4' LEFT	448.63	+3.00%

OHC INVERTS @ PROPERTY LINE		
STATION	LOT	INVERT
EX. M.I. 310 TO M.I. 310B		
M.I. 310B RT.	79	437.51
EX. M.H. #1 TO EX. M.H. #2		
3+05 LT.	101	428.13

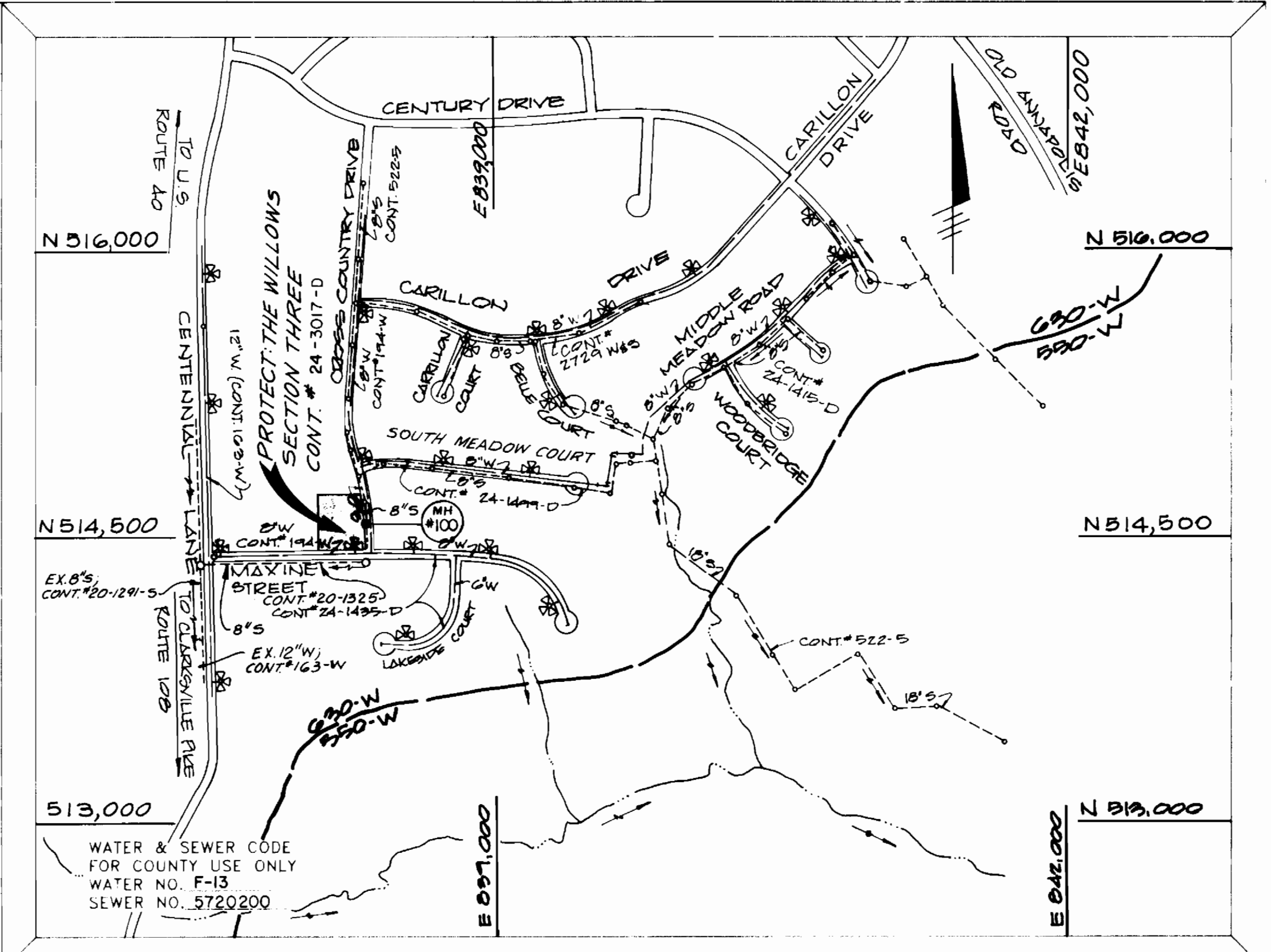


**CONSTRUCTION SPECIFICATIONS**

1. BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTIGUOUS AND IN A ROW WITH ENDS TIGHTLY ADJOINING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4" INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE INCLUDED IN PLACE BY EITHER 2 STAKES OR 2 REBAR'S (CONCRETE THROUGH THE BALE). THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN INWARD PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALE TIGHTER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.

SEE THIS SHEET FOR LOCATIONS OF STRAW BALE DIKES

BENCH MARK #1 ELEV. 444.20  
TOP OF FIRE HYDRANT AT NORTHWEST INTERSECTION OF MAXINE STREET & CROSS COUNTRY DRIVE, 810' EAST OF CENTENNIAL LANE.



TYPE OF BUILDING	RESIDENTIAL
NUMBER OF LOTS	4
NO. OF WATER HOUSE CONNECTIONS	3
NO. OF SEWER HOUSE CONNECTIONS	2
DRAINAGE AREA	LITTLE PATUXENT

VICINITY MAP  
SCALE: 1"=600'

TREATMENT PLANT: PATAPSCO WASTEWATER TREATMENT PLANT VIA THE ROUTE 108 PUMPING STATION.

**GENERAL NOTES**

1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGED INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
4. ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.
5. CLEAR ALL UTILITIES BY A MINIMUM OF 6"
6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AMENDED 1989. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL [ ] AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:  
C. & P. TELEPHONE COMPANY - 1-800-257-7777  
STATE HIGHWAY ADMINISTRATION - 531-5533  
BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES - 850-4670  
BALTIMORE GAS & ELECTRIC CO. - UNDER GROUND DAMAGE CONTROL - 859-9004  
BALTIMORE GAS & ELECTRIC CO. - TROUBLE SHOOTING - 798-9001  
MISS UTILITY - 1-800-559-0100  
COLONIAL PIPELINE CO. - 795-1390  
BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 992-2366
9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
10. CONTRACTOR SHALL REMOVE TREE, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
11. ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., V.C.P.X., OR P.V.C. UNLESS OTHERWISE NOTED.
12. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
13. T.B. DENOTES TEST BORING.
14. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
15. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G 5.52.
16. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED SET TOP OF FRAME 1/6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
17. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTINGS, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
18. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CAN NOT BE SERVED.
19. MANHOLES LOCATED WITHIN PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAME AND COVER, STANDARD DETAIL G5.15.
20. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
21. WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO AS TO HAVE AT LEAST ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.
22. MANHOLE #100, 102 FROM EXISTING STORM WATER DRAIN #1, 20' FROM EXISTING STORM DRAIN #2, 10' FROM EXISTING STORM DRAIN #3, 10' FROM EXISTING STORM DRAIN #4, 20' FROM EXISTING STORM DRAIN #5, 20' FROM EXISTING STORM DRAIN #6, 20' FROM EXISTING STORM DRAIN #7, 20' FROM EXISTING STORM DRAIN #8, 20' FROM EXISTING STORM DRAIN #9, 20' FROM EXISTING STORM DRAIN #10, 20' FROM EXISTING STORM DRAIN #11, 20' FROM EXISTING STORM DRAIN #12, 20' FROM EXISTING STORM DRAIN #13, 20' FROM EXISTING STORM DRAIN #14, 20' FROM EXISTING STORM DRAIN #15, 20' FROM EXISTING STORM DRAIN #16, 20' FROM EXISTING STORM DRAIN #17, 20' FROM EXISTING STORM DRAIN #18, 20' FROM EXISTING STORM DRAIN #19, 20' FROM EXISTING STORM DRAIN #20, 20' FROM EXISTING STORM DRAIN #21, 20' FROM EXISTING STORM DRAIN #22, 20' FROM EXISTING STORM DRAIN #23, 20' FROM EXISTING STORM DRAIN #24, 20' FROM EXISTING STORM DRAIN #25, 20' FROM EXISTING STORM DRAIN #26, 20' FROM EXISTING STORM DRAIN #27, 20' FROM EXISTING STORM DRAIN #28, 20' FROM 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