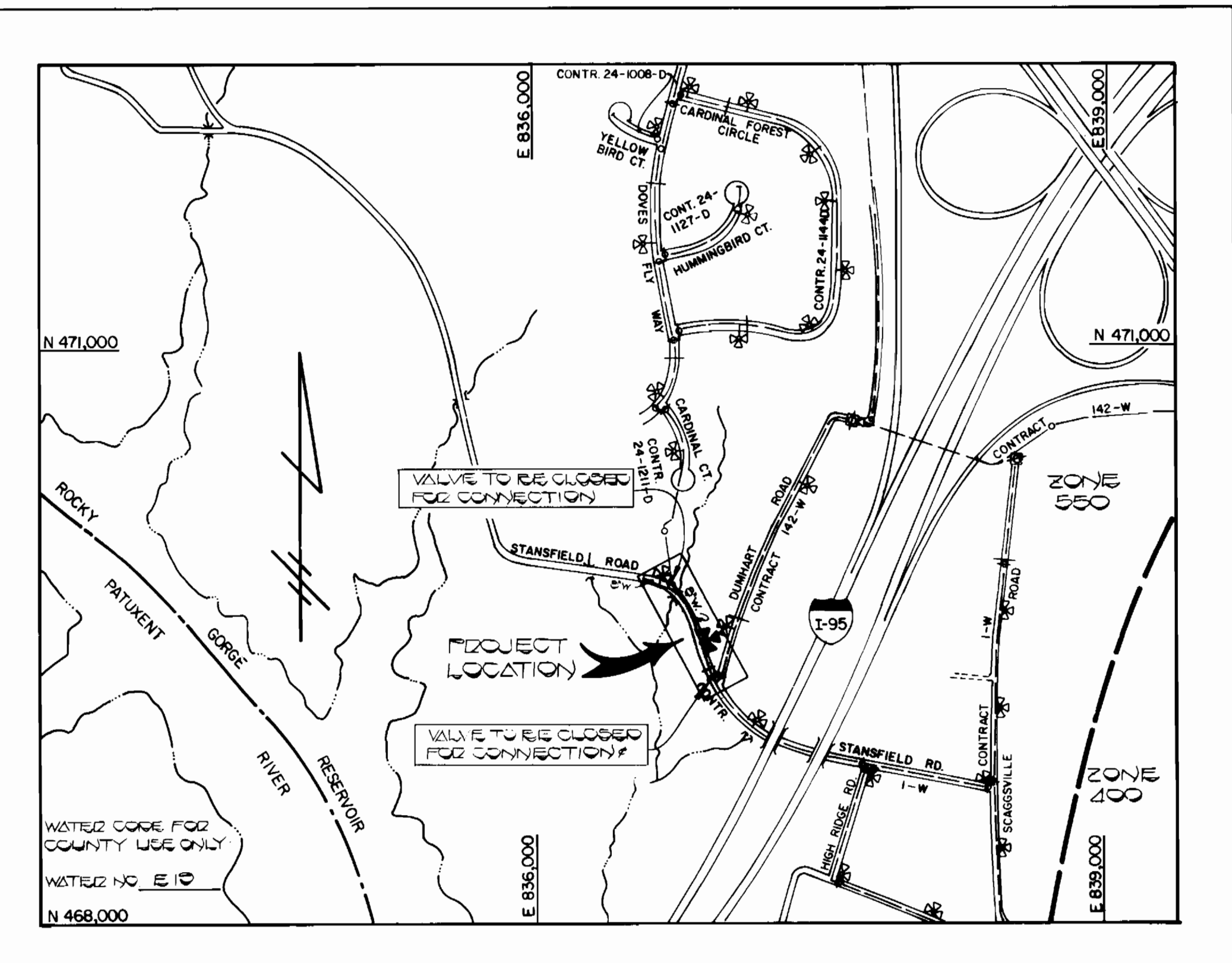
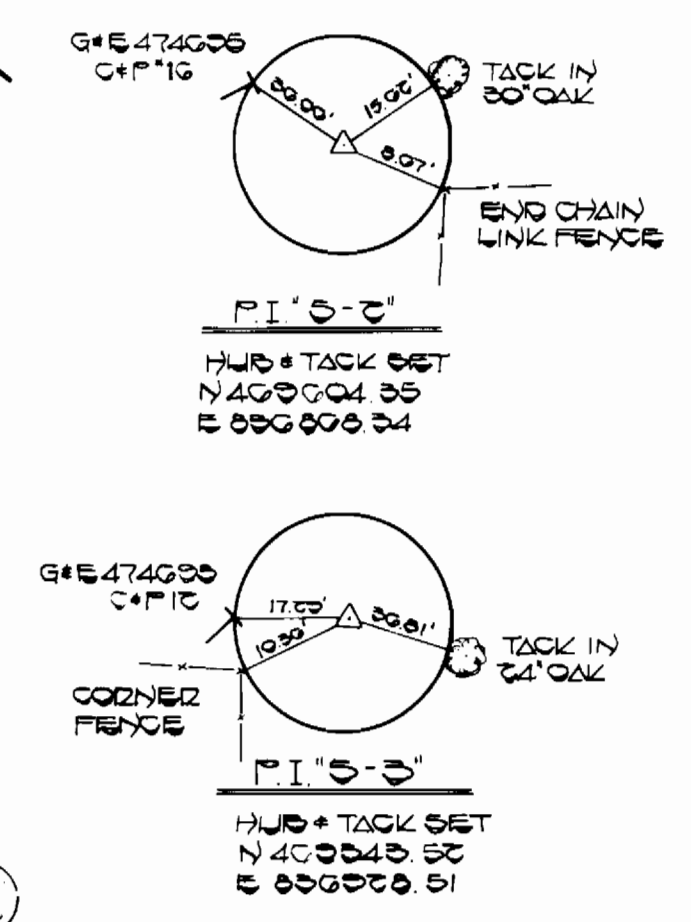


BENCH MARKS

B.M.#1 ELEV 306.05
 2 2 SPIKE SET IN G&E POLE
 *47400, 37' WEST OF TRAVERSE
 STA "S-2"
 B.M.#2 ELEV 306.70
 2 2 SPIKE SET IN 24" OAK, 35'
 NORTHEAST OF TRAVERSE
 STA "S-3"



TYPE OF BUILDINGS: RESIDENTIAL
 NUMBER OF PARCELS: 1
 NO. OF WATER HOUSE CONN.: 0
 DRAINAGE AREA: PATIENT

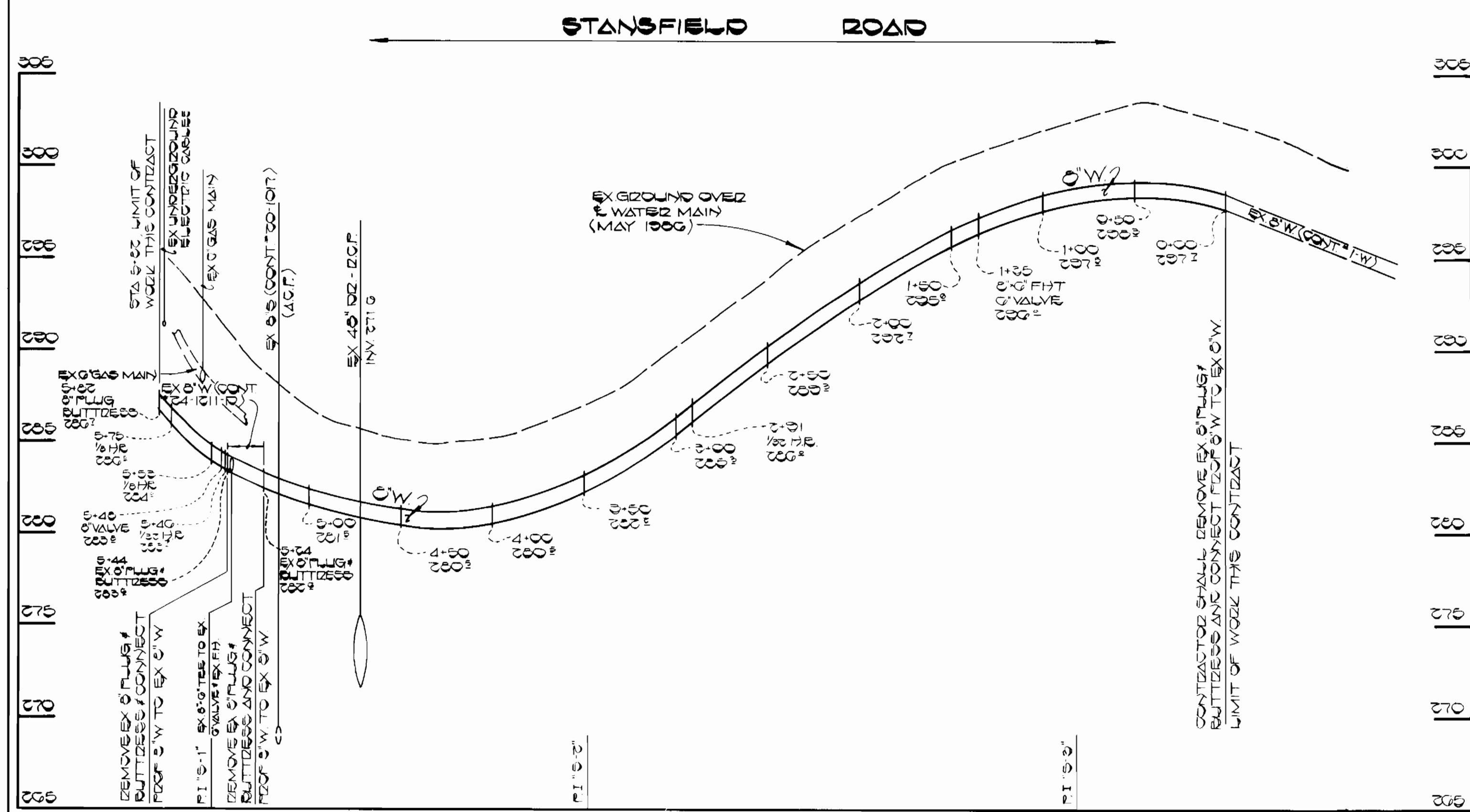
VICINITY MAP
 SCALE: 1" = 600'

GENERAL NOTES

- 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 DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S. DATUM.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 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. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
- 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 LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION 531-5533
 - BALTIMORE GAS & ELECTRIC CO. CONTRACTOR SERVICES 850-4620
 - BALTIMORE GAS & ELECTRIC CO. UNDER GROUND DAMAGE CONTROL - 859-9004
 - BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING 298-9001
 - MISS UTILITY 599-0100
 - COLONIAL PIPELINE CO. 795-1390
 - BUREAU OF UTILITIES, HOWARD COUNTY; DEPARTMENT OF PUBLIC WORKS 992-2366
 - CHESAPEAKE & POTOMAC (CBP) TELEPHONE COMPANY 1-800-257-7777
- 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.
- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- ALL WATER MAINS TO BE D.I.P. CLASS 52, UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1003 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- T.E. DENOTES TEST (SOIL) RODDING

NOTE TEST PIT RESULTS

EX. UTILITY?	ELEV. TOP OF MAIN
0 INCH GAS MAIN	301.12



WATER MAIN STAKE-OUT TABLE

STA., APPURT/FITTING	DISTANCE ALONG TRAVERSE	OFFSET
1+35, FIRE HYDRANT	21' FROM "S-2" TOWARDS "S-3"	25' LEFT
2+91, 1/32 H.B.	57' FROM "S-2" TOWARDS "S-3"	5' LEFT
3+69, PC OF WM	25' FROM "S-2" TOWARDS "S-1"	5' LEFT
5+53, 1/8 H.B.	2' BEYOND "S-1", "S-2" TO "S-1" EXTENDED	9' LEFT
5+75, 1/8 H.B.	9' BEYOND "S-1", "S-2" TO "S-1" EXTENDED	30' LEFT
5+82, LIMIT OF WM	15' BEYOND "S-1", "S-2" TO "S-1" EXTENDED	33' LEFT

RESTORATION SCHEDULE

STATION	MATERIAL
0+00 TO 1+00	BITUMINOUS CONCRETE WITHIN PAVED ROADWAY & DRIVEWAY; SEED & MULCH DISTURBED AREAS TO RIGHT OF ROADWAY
1+00 TO 2+00	BITUMINOUS CONCRETE WITHIN PAVED ROADWAY; SEED & MULCH DISTURBED AREAS TO RIGHT OF ROADWAY
2+00 TO 3+00	BITUMINOUS CONCRETE WITHIN PAVED ROADWAY; SEED & MULCH DISTURBED AREAS TO RIGHT OF ROADWAY
3+00 TO 4+00	BITUMINOUS CONCRETE
4+00 TO 5+00	BITUMINOUS CONCRETE
5+00 TO 5+82	BITUMINOUS CONCRETE WITHIN PAVED ROADWAY; SEED & MULCH DISTURBED AREAS TO LEFT AND RIGHT OF ROADWAY

SEDIMENT CONTROL NOTES

- SEDIMENT CONTROL APPROVAL IS INDICATED ON DAILY BACKFILLING OF ALL OPEN TRENCHES
- PROVISIONS SHALL BE MADE FOR DAILY CLEANUP OF ANY SEDIMENT THAT ACCUMULATED ON THE PUBLIC RIGHTS OF WAY

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
 APPROVED: [Signature] 10-22-86
 U.S. SOIL CONSERVATION SERVICE DATE

THIS PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT
 APPROVED: [Signature] 10-22-86
 HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

QUANTITIES

ITEM	ESTD	AS BUILT	SUPPLIED
6" WATER	800 LF		
6" WATER	0 LF		
FIRE HYD.	1 EA		
3/4" W.C.	20 LF		
6" VALVE	1 EA		
6" VALVE	1 EA		

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 10-24-86
 CHIEF, BUREAU OF UTILITIES

FISHER, COLLINS, AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 DATE: 10/23/86
 CHIEF, UTILITY DESIGN DIVISION



DES: P.W.K.	
DRN: D.B.S.	
CHK: T.A.F.	
DATE: 7-17-83	
BY: NO.	
REVISION	
DATE	

PLAN, PROFILES AND DETAILS
WATER MAIN
 600' SCALE MAP NO. 47 BLOCK NO.

STANSFIELD ROAD WATER MAIN
 CAPITAL PROJECT W-8686
 CONTRACT NO. 44-1518
 SIXTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE AS SHOWN
 SHEET 1 OF 1