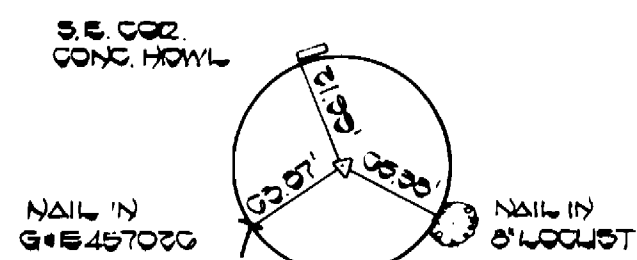
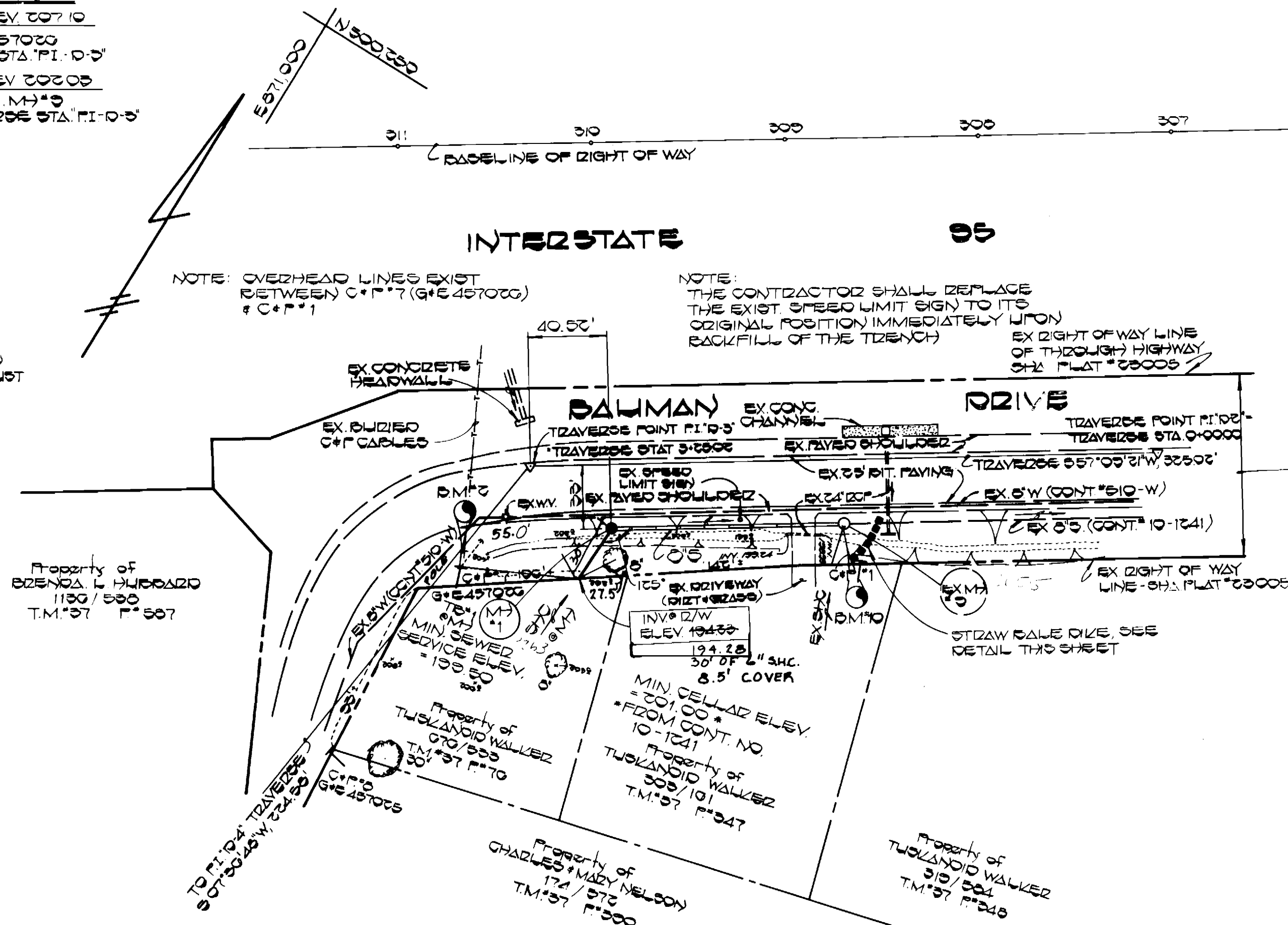


**BENCH MARKS**

B.M. 9 ELEV. 207.10  
RAILROAD BIKES IN 3+6.457000  
08' SOUTH OF TRAVELER STA. PI. 10-3'  
B.M. 10 ELEV. 203.00  
OUT ON TOP OF RIM OF EX. M.H. 9  
108' NORTH/EAST OF TRAVELER STA. PI. 10-3'



PI. 10-3'  
P.L. NAIL SET  
N 500110.00  
E 571000.10



Property of  
BOZENA L. HUBBARD  
1100 / 500  
T.M. 97 P. 507

NOTE: MIN. SEWER SERVICE ELEVATION  
BASED ON 20' BUILDING SETBACK  
FROM THE SHA. RIGHT OF WAY LINE  
OF BAUMAN DRIVE

**PLAN**  
1"=50'

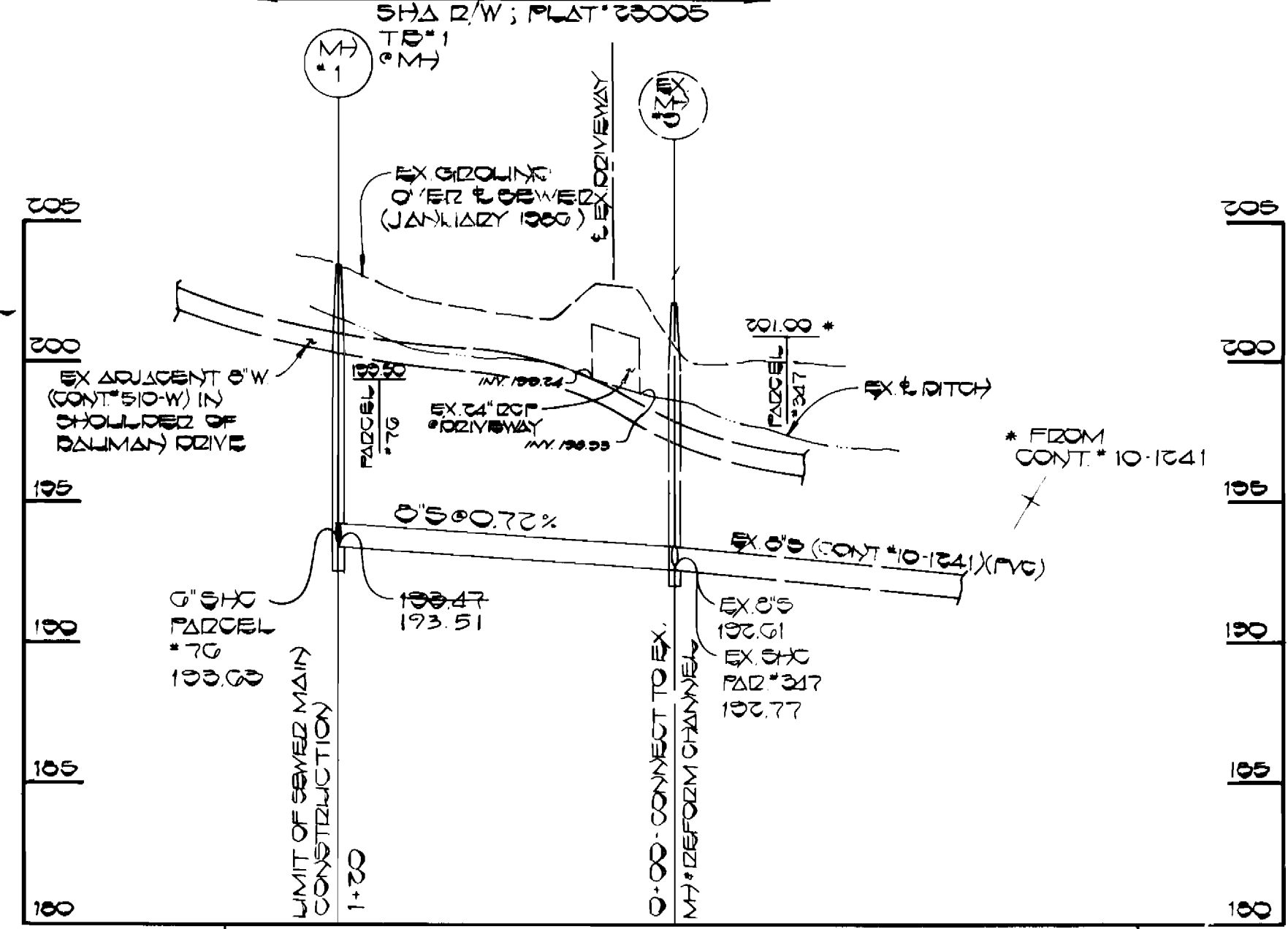
TRAVERSE STATIONING TABLE

TRAVERSE POINT	STATION
PI. 10-3'	0+00
PI. 10-3'	3+25.00

MANHOLE STAKE OUT TABLE

MANHOLE NO.	DISTANCE	OFFSET
1	49.50' FROM PI. 10-3' TOWARD PI. 10-3'	30' RIGHT

**BAUMAN DRIVE**

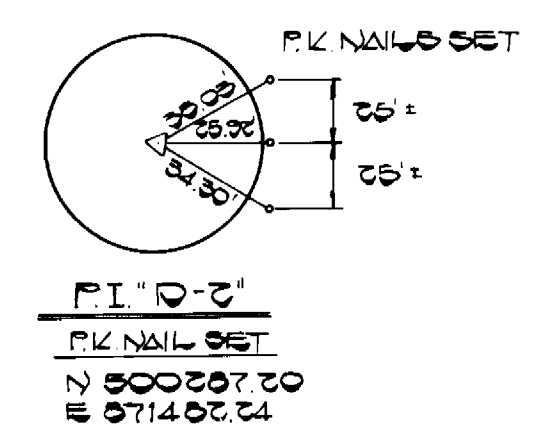


**PROFILE**  
SCALE: HORIZ. 1"=50'  
VERT. 1"=8'

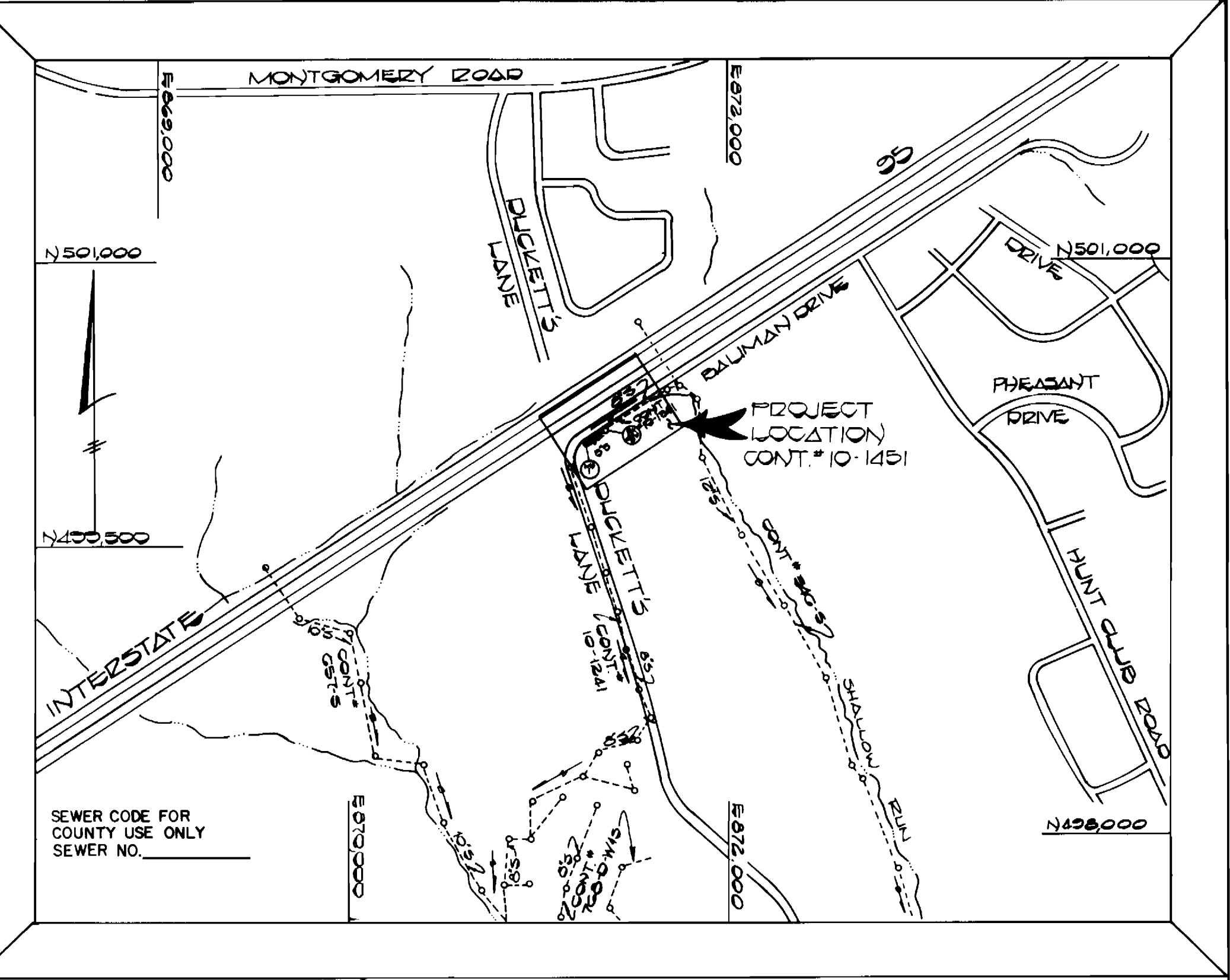
**STABILIZATION NOTES**  
FOLLOWING INITIAL SOIL DISTURBANCE OR RESISTURBANCE,  
PERMANENT OR TEMPORARY STABILIZATION SHALL BE  
COMPLETED WITHIN:  
1. 7 CALENDAR DAYS FOR ALL PERIMETER SOILMENT CONTROL  
STRUCTURES, DICES, SWALES, DITCHES, PERIMETER DUMPS  
AND ALL SLOPES GREATER THAN 3:1  
2. 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS  
ON THE PROJECT SITE

SOILMENT CONTROL MEASURES FOR THIS  
CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE  
WITH DIVISION III, VOLUME IX OF THE HOWARD  
COUNTY DESIGN MANUAL AND THE STANDARD  
AND SPECIFICATIONS FOR SOIL EROSION AND  
SOILMENT CONTROL  
*Robert A. Fisher* 4-2-86  
U.S. SOIL CONSERVATION DISTRICT DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR  
EROSION AND SOILMENT CONTROL BY THE  
HOWARD SOIL CONSERVATION DISTRICT  
APPROVED: *Robert A. Fisher* 4-2-86  
HOWARD SOIL CONSERVATION DISTRICT DATE



PI. 10-3'  
P.L. NAIL SET  
N 500087.20  
E 571407.24

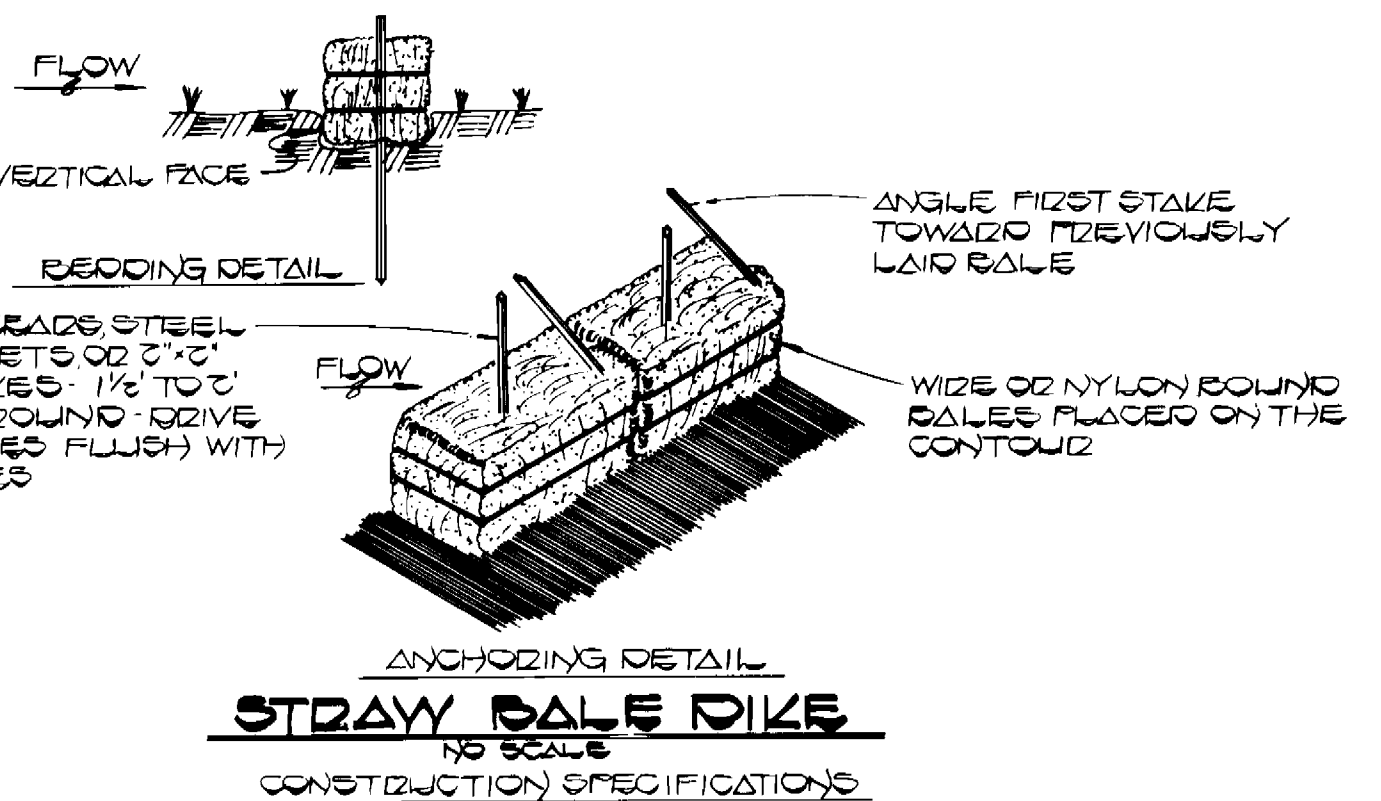


TYPE OF BUILDING: RESIDENTIAL  
NUMBER OF PARCELS: 1  
NUMBER OF SEWER HOUSE CONN.: 1  
DRAINAGE AREA: 12,500

**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.G.S. DATA.
- 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 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.
- 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-561-2585  
BALTIMORE GAS & ELECTRIC CO. - UNDER GROUND DAMAGE CONTROL-234-5621  
BALTIMORE GAS & ELECTRIC CO. - TROUBLE SHOOTING - 298-9013  
MISS UTILITY-1-559-0100  
COLONIAL PIPELINE CO.-798-1390  
BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS-992-2366
- 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 THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., V.C.P.X., A.C.P. CLASS 2400 OR P.V.C. UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- I.B. DENOTES TEST BORING.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G.532. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.



- BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTIGUOUS AND IN A ROW WITH ENDS TIGHTLY ADJUTTING THE ADJACENT BALES
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES AND PLACED SO THE BINDINGS ARE HORIZONTAL.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR BY RAZOR WIRE (GIVEN THROUGH) THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE GIVEN TOWARD PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALE TOGETHER. STAKES SHALL BE GIVEN FLUSH WITH THE BALE
- INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPERE STORM FLOW OR DRAINAGE

QUANTITIES

ITEM	EST'D	AS-BUILT	SUPPLIER
6" SEWER	100 L.F.	118 L.F.	ATP WATER & SEWER SUPPLIES (P.U.C.)
8" SEWER	30 L.F.	30 L.F.	ATP WATER & SEWER SUPPLIES (P.U.C.)
MANHOLES	1 EA.	1 EA.	ALANTIC PRECAST CONCRETE CORP.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DIRECTOR OF PUBLIC WORKS: <i>Robert A. Fisher</i> 4-1-86 CHIEF, BUREAU OF UTILITIES: <i>Robert A. Fisher</i> 4/1/86	FISHER, COLLINS AND CARTER, INC. CONSULTING ENGINEERS AND LAND SURVEYORS 8388 COURT AVENUE ELLICOTT CITY, MARYLAND 21043 TERRELL A. FISHER DATE	DES: R.C.S. DRN: R.C.S. CHK: P.W.K. DATE: 1/14/86	PLAN & PROFILE SEWER MAIN	BAUMAN DRIVE SEWER EXTENSION CAPITAL PROJECT S-6686 CONTRACT NO. 10-1451 FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN
					SHEET 1 OF 1