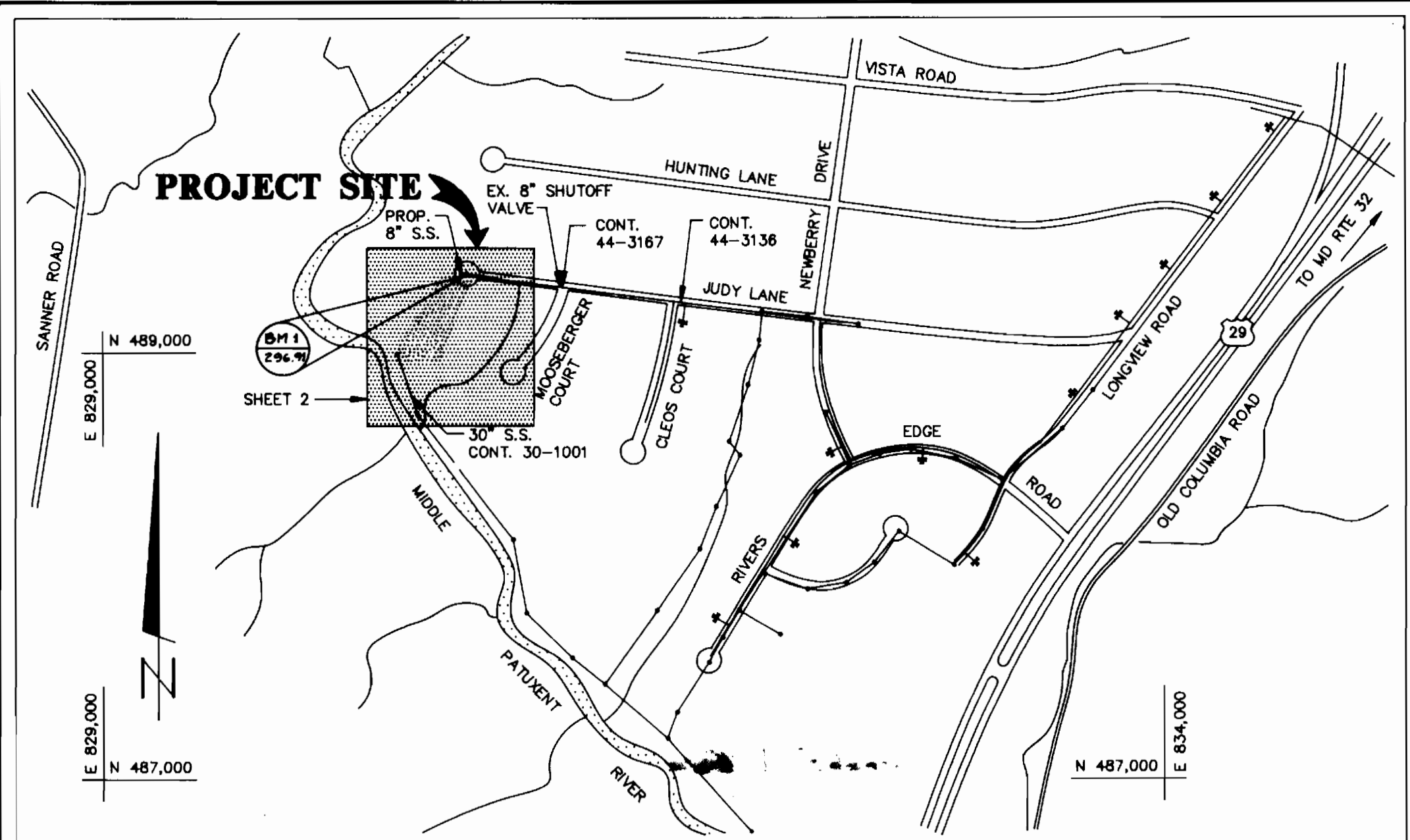


JUDY LANE WATER AND SEWER MAINS HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

AS-BUILT 2/2/93

ITEM	QUANTITIES		TYPE	SUPPLIER
	ESTIMATE	AS BUILT		
8" SEWER	1064 L.F.	1064 L.F.	8" PVC	MUNICIPAL + CONTRACTOR SALES
STANDARD MANHOLE	4 EA.	4 EA.	PRECAST CONC.	ATLANTIC CONC. PRODUCTS
DROP MANHOLE	1 EA.	1 EA.	"	"
4" SEWER HOUSE CONNECTIONS	219 L.F.	150 L.F.	4" PVC	MUNICIPAL + CONTRACTOR SALES
8" WATER	100 L.F.	100 L.F.	8" D.I.P.	"
8" X 6" TEE	1 EA.	1 EA.	"	"
6" FIRE HYDRANT	1 EA.	1 EA.	"	"
8" CAP & BUTTRESS	1 EA.	1 EA.	"	"
6" VALVE	4 EA.	1 EA.	"	"
3/4" WATER HOUSE CONNECTIONS	166 L.F.	177 L.F.	3/4" COPPER	"
BRICK				REPAIR ROAD SUPPLY
PORLAND CEMENT				PLUMBING SUPPLY
SEWER FRAME & COVER / W.T. FRAME				WATER & SEWER SUPPLY
CONCRETE				GENERAL
STONE #21, CR-2				WIMPT MINERAL

NOTE:
SEDIMENT CONTROL TO BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STDS. & SPECS. (VOL. IV) OF THE HOWARD COUNTY DESIGN MANUAL AND THESE PLANS.



TYPE OF BUILDING: RESIDENTIAL
NUMBER OF PARCELS: 8
WATER HOUSE CONNECTIONS: 4
SEWER HOUSE CONNECTIONS: 8
DRAINAGE AREA: MIDDLE PATUXENT RIVER

VICINITY MAP
SCALE: 1 = 600'

WATER & SEWER CODE FOR COUNTY USE ONLY:
WATER No. E - 22
SEWER No. 6480000

- GENERAL NOTES
- PART I
- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. 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 UNLESS OTHERWISE NOTED ON THE PLANS.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
 - 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 (LATEST EDITION). 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 UTILITY COMPANIES 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. UNDERGROUND DAMAGE CONTROL - 787-9068
MISS UTILITY - 1-800-257-7777
CHESAPEAKE & POTOMAC TELEPHONE CO. - 597-8585
COLONIAL PIPELINE CO. - 795-1390
BUREAU OF UTILITIES, HOWARD COUNTY DEPT. OF PUBLIC WORKS - 313-4900
AT B.T. - 865-3803
 - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE 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.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(A) OF THE HOWARD COUNTY CODE.

DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Robert J. Seaman DATE 7/23/93
SIGNATURE OF DEVELOPER
PRINT NAME BELOW SIGNATURE

ENGINEER'S CERTIFICATION

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

John M. Hahn DATE 7/23/93
APPROVED
HOWARD S.C.D.

John P. Stanton DATE 7/23/93
APPROVED
HOWARD S.C.D.

REVIEWED FOR HOWARD COUNTY S.C.D. MEETS TECHNICAL REQUIREMENTS

DATE 7/12/93

McCRONE, INC.
20 RIDGELY AVENUE
ANNAPOLIS, MARYLAND 21401
(410) 267-8621

INDEX OF DRAWINGS

SHEET NO:	DESCRIPTION
1	TITLE SHEET, INDEX OF DRAWINGS, GENERAL NOTES
2	PLAN - JUDY LANE
3	PROFILES - JUDY LANE
4	SEDIMENT CONTROL MEASURES

- PART II - WATER
- ALL WATER MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
 - TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF 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 INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- PART III - SEWER
- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
 - ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
 - FORCE MAINS SHALL BE D.I.P. ONLY.
 - MANHOLES SHOWN WITH 12" AND 18" WALLS ARE FOR BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAILS 65.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER ARE 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 CELLAR CANNOT BE SERVED.

MD GRANT #C-240994-05-LE(14)

<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p><i>James A. Slavin</i> 7/20/93 DIRECTOR OF PUBLIC WORKS DATE</p> <p><i>Robert J. Seaman</i> 7-27-93 CHIEF, BUREAU OF UTILITIES DATE</p>	<p>McCRONE ENGINEERING ENVIRONMENTAL SCIENCES LAND PLANNING & SURVEYING CONSTRUCTION SERVICES</p> <p><i>John P. Stanton</i> 7-23-93 CHIEF, WATER & SEWER DESIGN DIVISION DATE</p>	<p>DES: [] S.A.C. 1 Revisions per State Comments 9/10/93</p> <p>DRN: []</p> <p>CHK: []</p> <p>DATE: [] BY No. REVISION DATE 600' SCALE MAP No. 41 BLOCK No.</p>	<p>TITLE SHEET, INDEX OF DRAWINGS, GENERAL NOTES</p>	<p>JUDY LANE WATER AND SEWER MAINS CAPITAL PROJECT S - 6173 CONTRACT No. 34 - 3256 ELECTION DISTRICT No. 5 HOWARD COUNTY, MARYLAND</p>	<p>SCALE AS SHOWN</p> <p>SHEET 1 OF 4</p>
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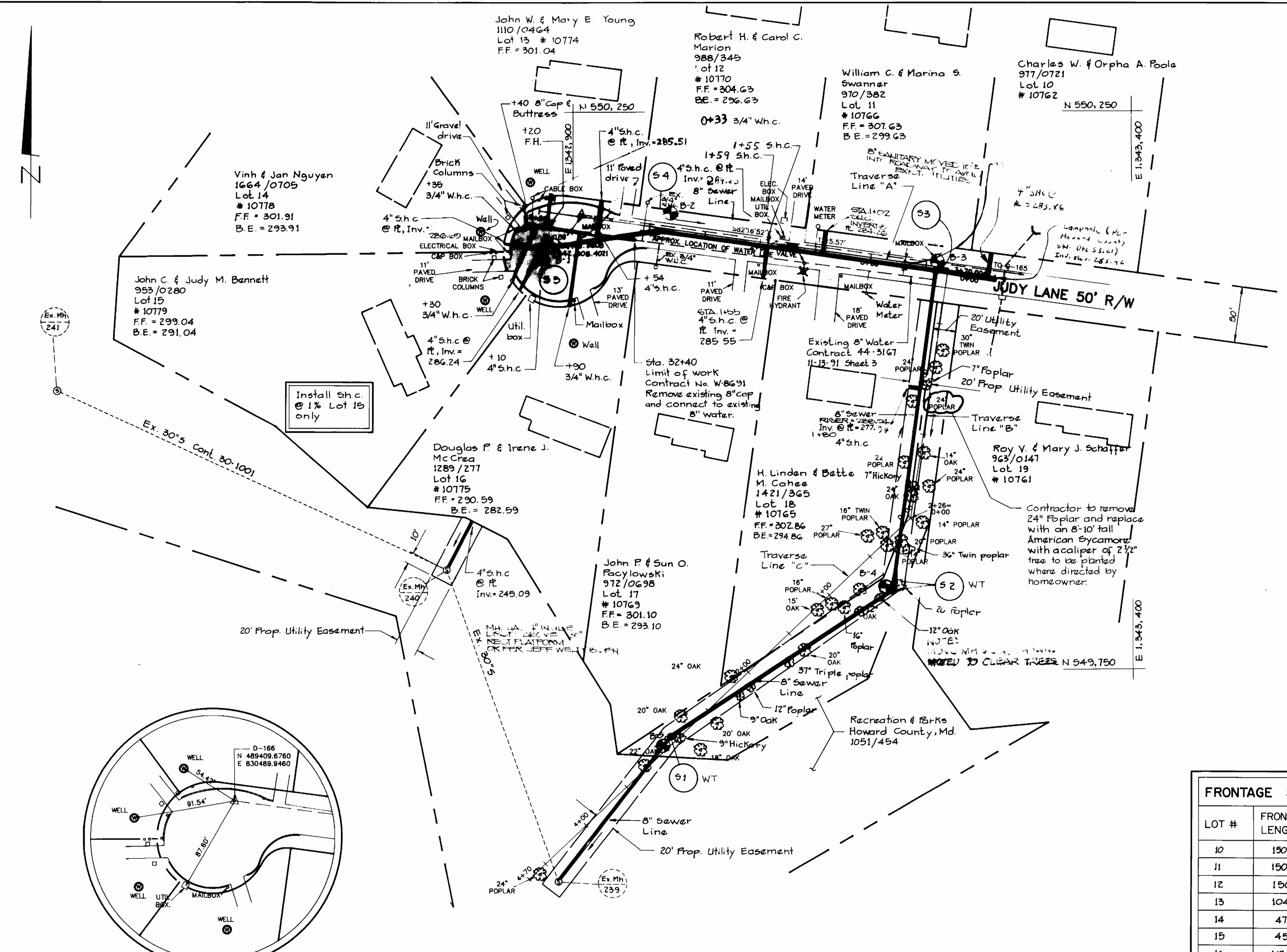
AS-BUILT 2/2/93

CITY OF JUDY LANE, C.F. # 3-0-0
7/20/93

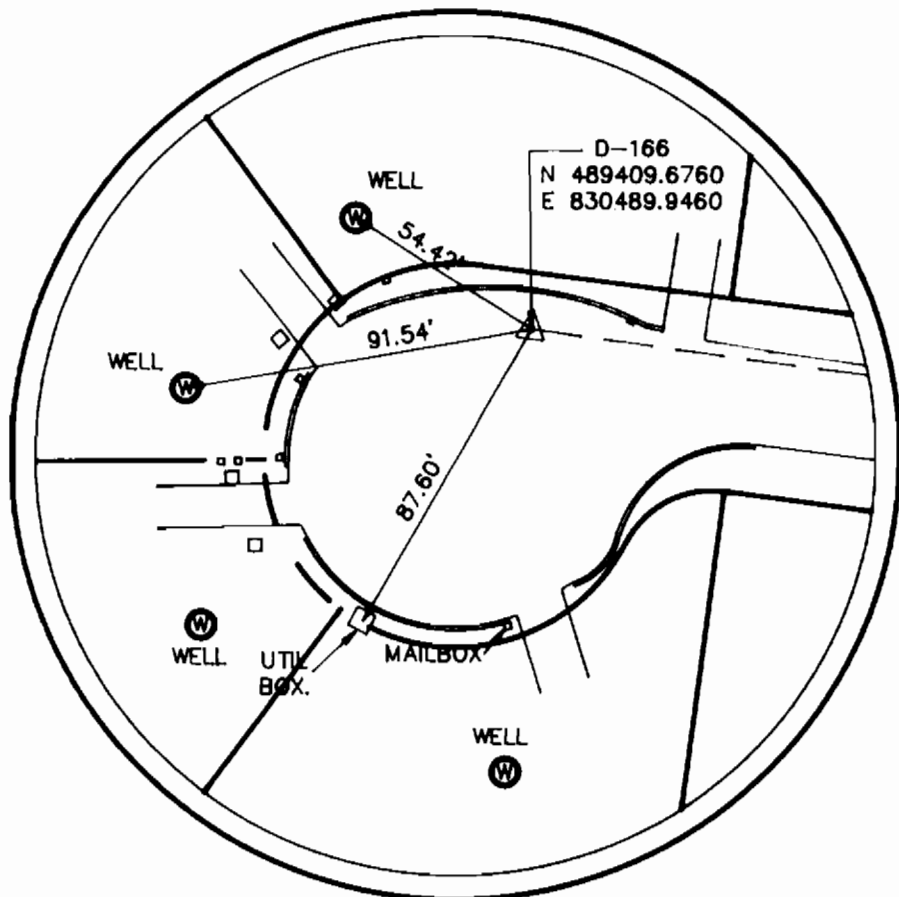
A-D-BUILD-4426

WS/2 Judy Lane, C.P. # S-6173

9656



PLAN
SCALE: 1" = 50'



BENCHMARK D-166
PK NAIL IN PAVEMENT ELEV. 296.91

WATER MAIN STAKEOUT		
TRAV. STATION	OFFSET	DESCRIPTION
0+64	14.0' Rt.	Sta. 32+65 W.h.c., Lot 13
0+39	14.0' Rt.	Sta. 32+90 W.h.c., Lot 16
0-01	14.0' Rt.	Sta. 33+20 W.h.c., Lot 15
0-06	14.0' Rt.	Sta. 33+35 W.h.c., Lot 14
0+09	14.0' Rt.	Sta. 33+20 F.H.

SEWER MAIN STAKEOUT		
TRAV. STATION	OFFSET	DESCRIPTION
0+07, Line "A"	31.0' Rt.	Sta. 1+10 S.h.c., Lot 15
0+07, Line "A"	31.0' Rt.	Sta. 1+10 S.h.c., Lot 14
0+07, Line "A"	31.0' Rt.	Sta. 1+10 MH S-5
0+58, Line "A"	8.0' Rt.	Sta. 0+54 S.h.c., Lot 13
1+07, Line "A"	14.0' Lt.	Sta. 0+00+2+53 MH S-4
2+03, Line "A"	14.0' Lt.	Sta. 1+57 S.h.c., Lot 12
2+07, Line "A"	14.0' Lt.	Sta. 1+53 S.h.c., Lot 17
3+59, Line "A"	14.0' Lt.	Sta. 0+00 S.h.c., Lot 11
3+99, Line "A"	14.0' Lt.	Sta. 0+00+2+98 MH S-3
1+26, Line "B"	8.0' Lt.	Sta. 1+40 S.h.c., Lot 18
0+49, Line "C"	30.0' Lt.	Sta. 0+00+2+44 MH S-2
2+90, Line "C"	6.0' Rt.	Sta. 0+00+1+59 MH S-1
3+44, Line "C"	252.0' Rt.	Ex. MH# 240 S.h.c. Lot 16
4+48, Line "C"	18.0' Lt.	Connect to Ex. S" stub.

FRONTAGE SCHED.	
LOT #	FRONTAGE LENGTH
10	150.00'
11	150.00'
12	150.00'
13	104.31'
14	47.42'
15	45.81'
16	117.71'
17	129.00'
18	145.83'
19	180.00'

BORING	STA.	OFF.	DEPTH
B-1	0+16, 'A'	28' Rt.	16.5'
B-2	1+11, 'A'	14' Lt.	16.5'
B-3	3+59, 'B'	5' Lt.	15.3'
B-4	0+58, 'C'	29' Lt.	7.0'
B-5	3+00, 'C'	4' Lt.	2.5'

Sta. 32+65 Rt. Install 182 LF. 3/4" Water house connection. Place ball valve at right-of-way line Howard County Std. No. W 3.21

Sta. 33+20
8" x 6" tea
6" Valve - 2' Rt.
6" F.H. - 27' Rt.
Bury line Elev. 293.08 (4'0" Bury)
Howard County Std. No. (W 1.11)

From MH S-5 to MH S-4
Sta. 1+10 Rt., Lot 14
Sta. 1+10 LT, Lot 15
Sta. 0+54 Rt., Lot 13
From MH S-4 to MH S-3
Sta. 1+57 Rt., Lot 12
Sta. 1+53 LT, Lot 17
Sta. 0+00 Rt., Lot 11
From MH S-3 to MH S-2
Sta. 1+40 LT, Lot 18

Ex. MH 240 LT, Lot 16

Install 219 LF. 4" Sewer House Connection - Howard County Std. No. S 2.11.

MD GRANT #C-240994-05-LE (14)

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert Bennett 7/23/93
DIRECTOR OF PUBLIC WORKS DATE

Robert Bennett 7-27-93
CHIEF, BUREAU OF UTILITIES DATE

Robert Bennett 7/23/93
CHIEF, BUREAU OF ENGINEERING DATE

Robert Bennett 7-27-93
CHIEF, WATER & SEWER DESIGN DIVISION DATE

McCRONE
ENGINEERING & ENVIRONMENTAL SCIENCES
LAND PLANNING & SURVEYING & CONSTRUCTION SERVICES

30 REDBURY AVENUE
ANNAPOLIS, MARYLAND 21401
(410) 871-8600

DES:	SAC: J	Revisions per State Comments	9/10/93
DRN:			
CHK:			
DATE:	BY	No.	REVISION

PLAN - JUDY LANE

600' SCALE MAP No. 41 BLOCK No.

JUDY LANE WATER AND SEWER MAINS
CAPITAL PROJECT S - 6173
CONTRACT No. 34 - 3256
ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

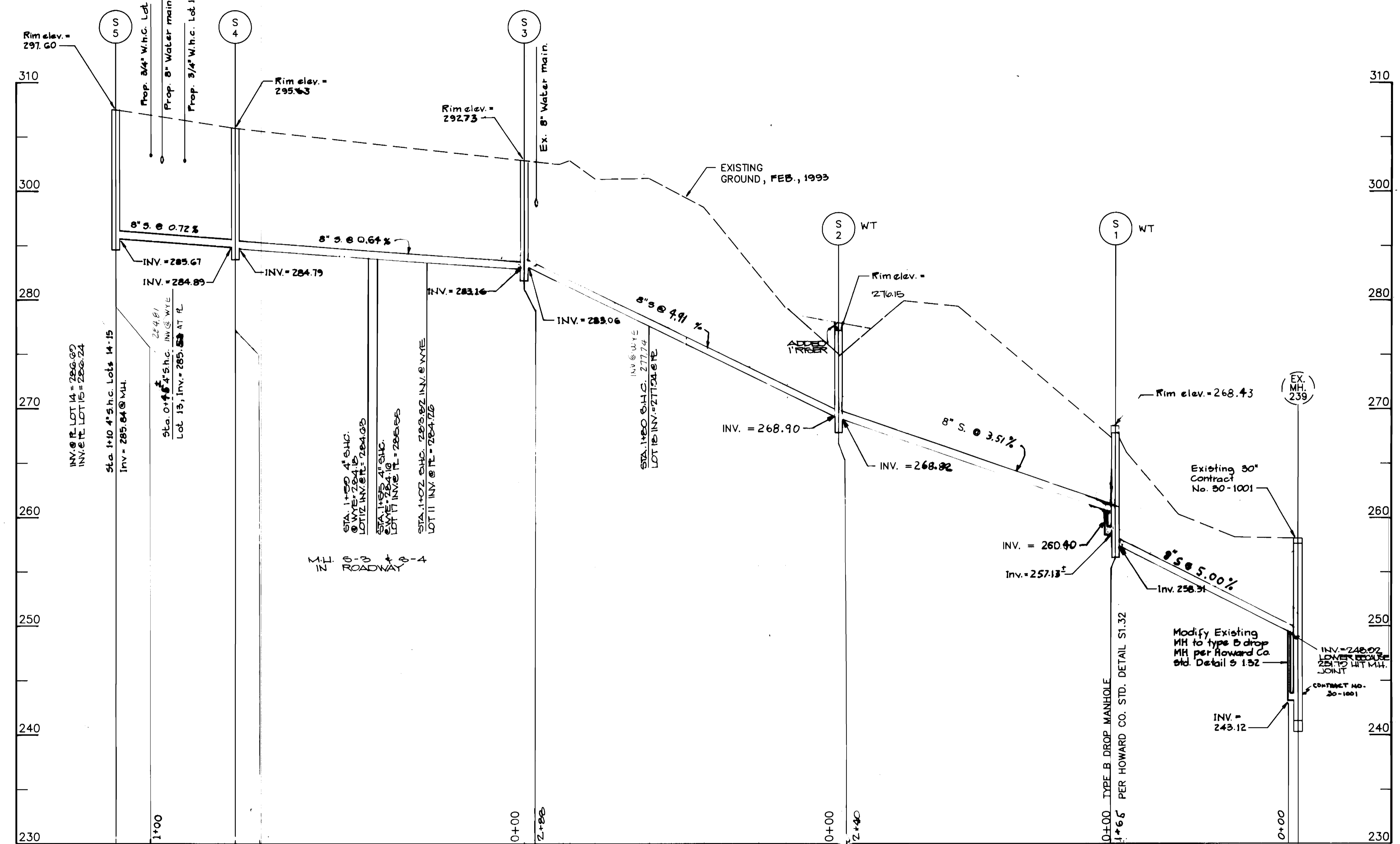
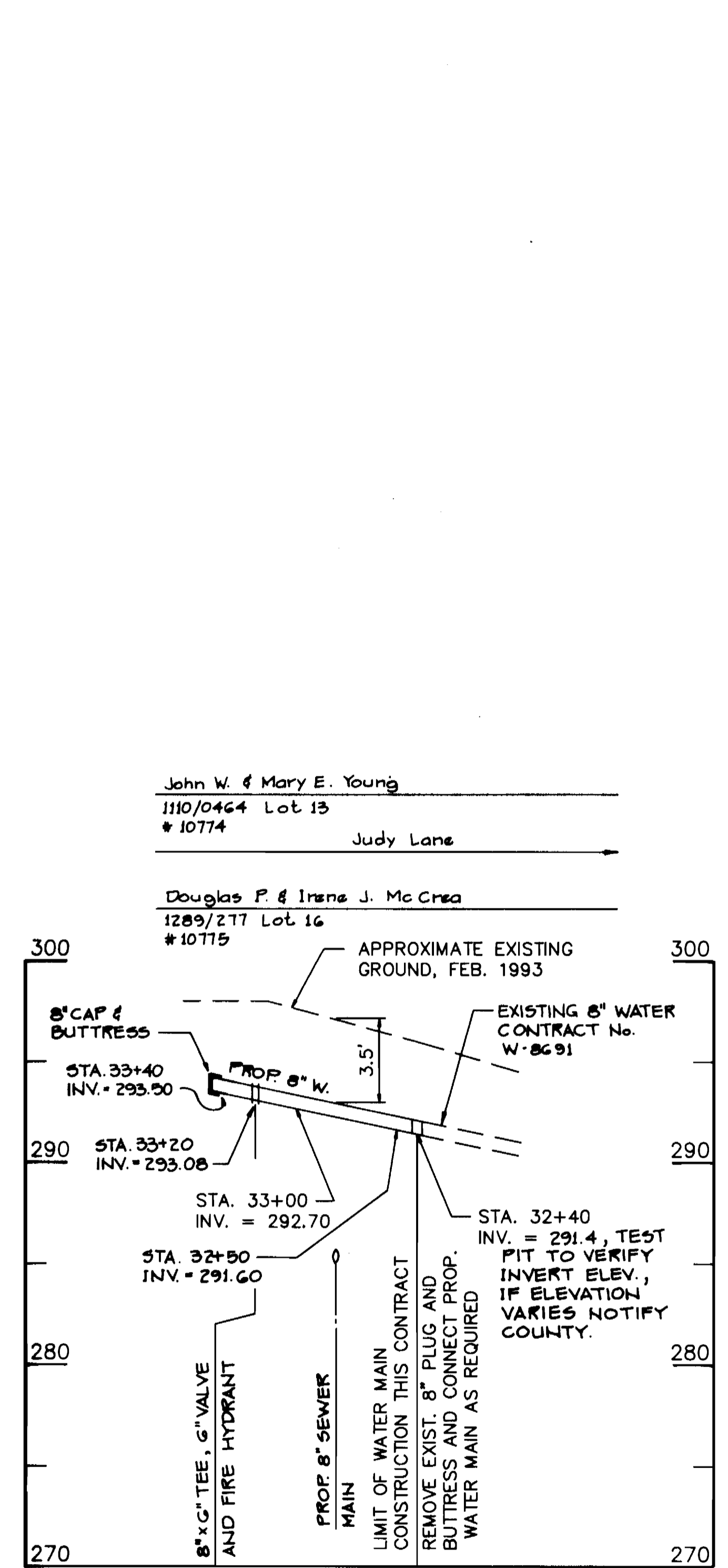
SHEET 2 OF 4

AS-BUILT - 2/2/98

Judy Lane, C.P. # 2-6113
WS/3
7676

John W. & Mary E. Young 1110/0464 Lot 13 # 10774
 Robert H. & Carol C. Marriam 988/345 Lot 12 # 10770
 William C. & Marina S. Swanner 970/382 Lot 11 # 10766
 Roy V. & Mary J. Schaffer 963/0147 Lot 19 # 10761
 Howard Co. 100 Year Flood Plain Area. 1051/454
 Howard Co. Park Area.

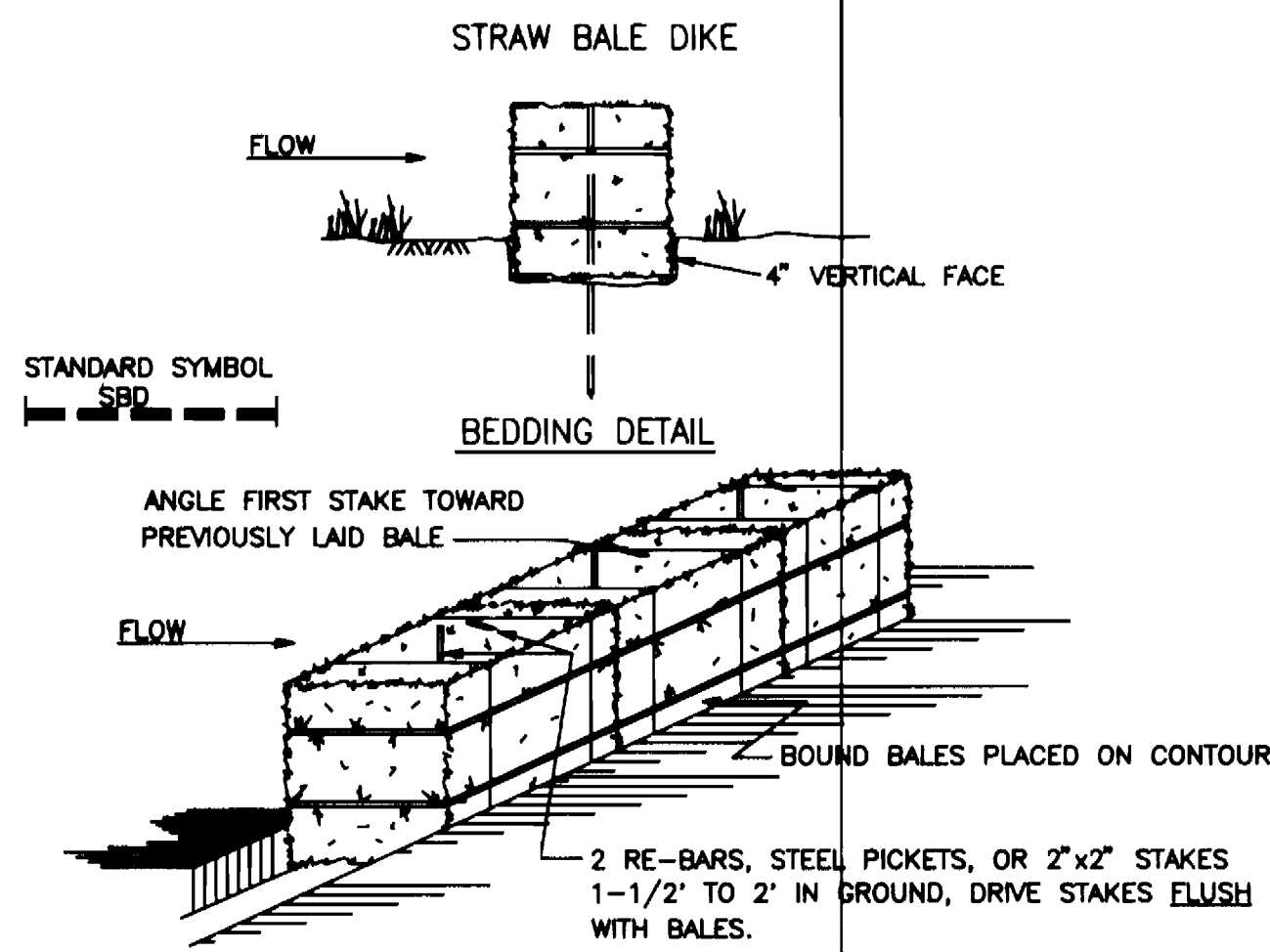
Douglas P. & Irene J. McCrea 1289/277 Lot 16 # 10779
 John P. & Sun O. Baybowski 972/0698 Lot 17 # 10769
 H. Linden & Bette M. Cohee 1421/365 Lot 18 # 10765
 H. Linden & Bette M. Cohee 1421/365 Lot 18 # 10765
 John P. & Sun O. Baybowski 972/0698 Lot 17 # 10769
 Howard Co. 100 Year Flood Plain Area. 1051/454



DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Director of Public Works: <i>James R. Shaw</i> 7/30/93 Chief, Bureau of Engineering: <i>Robert J. Seaman</i> 7/23/93 Chief, Bureau of Utilities: <i>Robert J. Seaman</i> 7-27-93 Chief, Water & Sewer Design Division: <i>Robert J. Seaman</i> 7-22-93		ENGINEERING ENVIRONMENTAL SCIENCES LAND PLANNING & SURVEYING CONSTRUCTION SERVICES 35 BRIDLE PATH ANNAPOLIS, MARYLAND 21401 (410) 327-0211		STATE OF MARYLAND JOHN MICHAEL HEALEY GOVERNOR 3/21/93		DES: S.A.C. 1 Revisions per State Comments 9-10-95 DRN: CHK: DATE: BY No. REVISION DATE 600' SCALE MAP No. 41 BLOCK No.		PROFILES - JUDY LANE		MD GRANT #C-240994-05-LE (14) JUDY LANE WATER AND SEWER MAINS CAPITAL PROJECT S - 6173 CONTRACT No. 34 - 3256 ELECTION DISTRICT No. 5 HOWARD COUNTY, MARYLAND		SCALE AS SHOWN SHEET 3 OF 4	
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AS-BUILT - 2/2/98

AS-BUILT - 2/2/98



CONSTRUCTION SPECIFICATIONS

- Bales shall be placed at the toe of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
- Each bale shall be embedded in the soil a minimum of four (4) inches, and placed so the bindings are horizontal.
- Bales shall be securely anchored in place by either two stakes or re-bars driven through the bale. The first stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together. Stakes shall be driven 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 impede storm flow or drainage.

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	STRAW BALE DIKE	STANDARD DRAWING SBD-1
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11.02

SEQUENCE OF CONSTRUCTION

- CONTACT HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION 48 HOURS PRIOR TO COMMENCING WORK AT 792-7272.
- INSTALL SEDIMENT CONTROL DEVICE (STRAW BALES) PERPENDICULAR TO THE CURB ON THE DOWN-SLOPE SIDE OF CONSTRUCTION.
- SAW CUT AND EXCAVATE DITCH TO THE GRADE SPECIFIED ON THE PROFILE.
- INSTALL WATER MAIN.
- BACKFILL TRENCH AND RESURFACE WITH TEMPORARY BITUMINOUS PAVING.
- CLEAN UP CONSTRUCTION SITE.
- REMOVE SEDIMENT CONTROL DEVICES.

RESTORATION SCHEDULE

LOCATION	LENGTH	MATERIAL
MH 55 - MH 54		
Sta. 0+00 to Sta. 0+20	20'	SOD
Sta. 0+20 to Sta. 1+10	90'	Bituminous Pavement
Sta. 1+10, Rt. Lot 14 (S.h.c.)	29' / 6'	Pavement / SOD
Sta. 1+10, Lt. Lot 19 (S.h.c.)	37' / 6'	Pavement / SOD
MH 54 - MH 53		
Sta. 0+00 to Sta. 2+55	255'	SOD
Sta. 0+00, Rt. Lot 11 (S.h.c.)	4'	SOD
Sta. 1+33, Lt. Lot 17 (S.h.c.)	22' / 24'	Pavement / SOD
Sta. 1+37, Rt. Lot 12 (S.h.c.)	4'	SOD
MH 52 - MH 53		
Sta. 0+00 to Sta. 2+67	267'	SOD
Sta. 2+67 to Sta. 2+89	22'	Bituminous Pavement
Sta. 2+89 to Sta. 2+98	9'	SOD
Sta. 1+40, Lt. Lot 18 (S.h.c.)	10'	SOD
Ex. MH 239 - MH 52	403'	SOD
Ex. MH 240 - R. Lot 16 (S.h.c.)	49'	SOD

TRAVERSE DESCRIPTION

POINT No.	NORTH	EAST	BEARING	DISTANCE
T-P #1	489,413.0521	830,451.9740		
T-P #2	489,361.7310	830,818.4011	Line "A" 582°01'52"E	370.00
T-P #3	489,198.2013	830,785.1176	Line "B" 56°28'08"W	226.00
T-P #4	488,814.4894	830,444.3674	Line "C" 546°28'08"W	470.00

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

1. PREFERRED - APPLY 2 TONS PER ACRES DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.)

2. ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.05 LBS/1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, AS POSSIBLE IN THE SPRING, OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENT: APPLY 60 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.).

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (0.07 LBS/1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

REFER TO THE "1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR RATE AND METHODS NOT COVERED.

SEDIMENT CONTROL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (880-3450)
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH SEC. 219 OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE "1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE:	ACRES
AREA DISTURBED:	ACRES
AREA TO BE ROOFED OR PAVED:	ACRES
AREA TO BE VEGETATIVELY STABILIZED:	ACRES
TOTAL CUT:	ACRES
TOTAL FILL:	ACRES
OFFSITE WASTE/BORROW AREA LOCATION:	
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- ALL TRENCH MATERIAL SHOULD BE PLACED ON THE HIGHER SIDE OF THE TRENCH, ABOVE THE TOP-OF-CURB.

MD GRANT #C-240994-05-LE (14)

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James A. ... 7/30/93
DIRECTOR OF PUBLIC WORKS DATE

Robert ... 7/23/93
CHIEF, BUREAU OF ENGINEERING DATE

McCRONE
ENGINEERING & ENVIRONMENTAL SCIENCES
LAND PLANNING & SURVEYING & CONSTRUCTION SERVICES



DES:	S.A.C. I	Revisions per State Comments	9-10-93
DRN:			
CHK:			
DATE:	BY	No.	REVISION

SEDIMENT CONTROL MEASURE		60' SCALE MAP No.	BLOCK No.

JUDY LANE WATER AND SEWER MAINS
CAPITAL PROJECT S - 6173
CONTRACT No. 34 - 3256
ELECTION DISTRICT No. 5
HOWARD COUNTY, MARYLAND

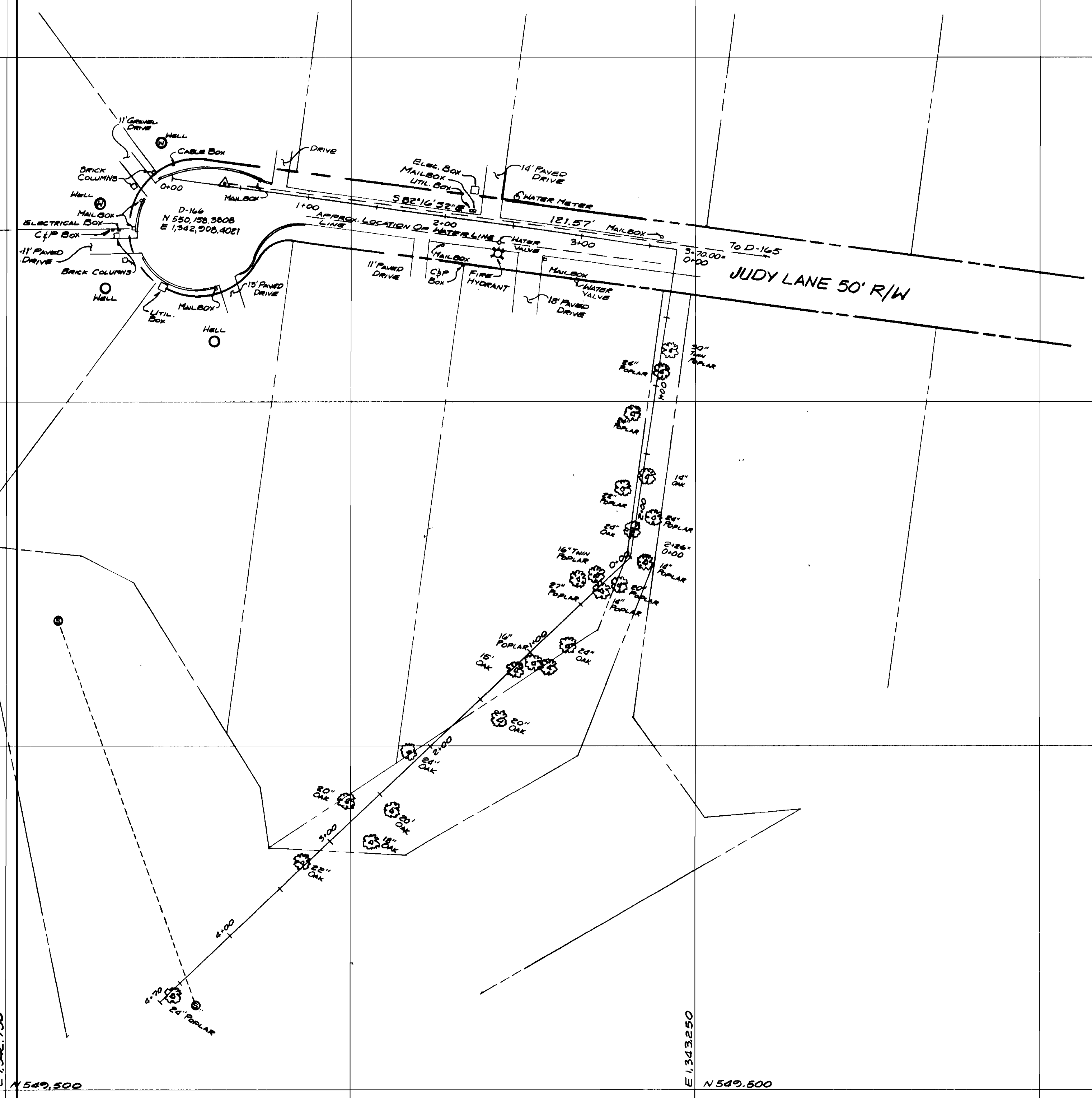
SCALE
AS
SHOWN

SHEET
4 OF 4

AS-BUILT - 2/2/98

3256 Judy Lane C.P.# S-6173 (pos. sht.)

N 550,500
E 1,342,750
E 1,342,750
N 549,500



E 1,343,250
N 549,500

HOWARD COUNTY
 JUDY LANE
 #113372673 1"=50' 4/20/94
 SEE HOWARD COUNTY
 DEPT. OF PUBLIC WORKS
 FIELD BOOK # 334

CONC. 34-3256, C.P.# S-6173