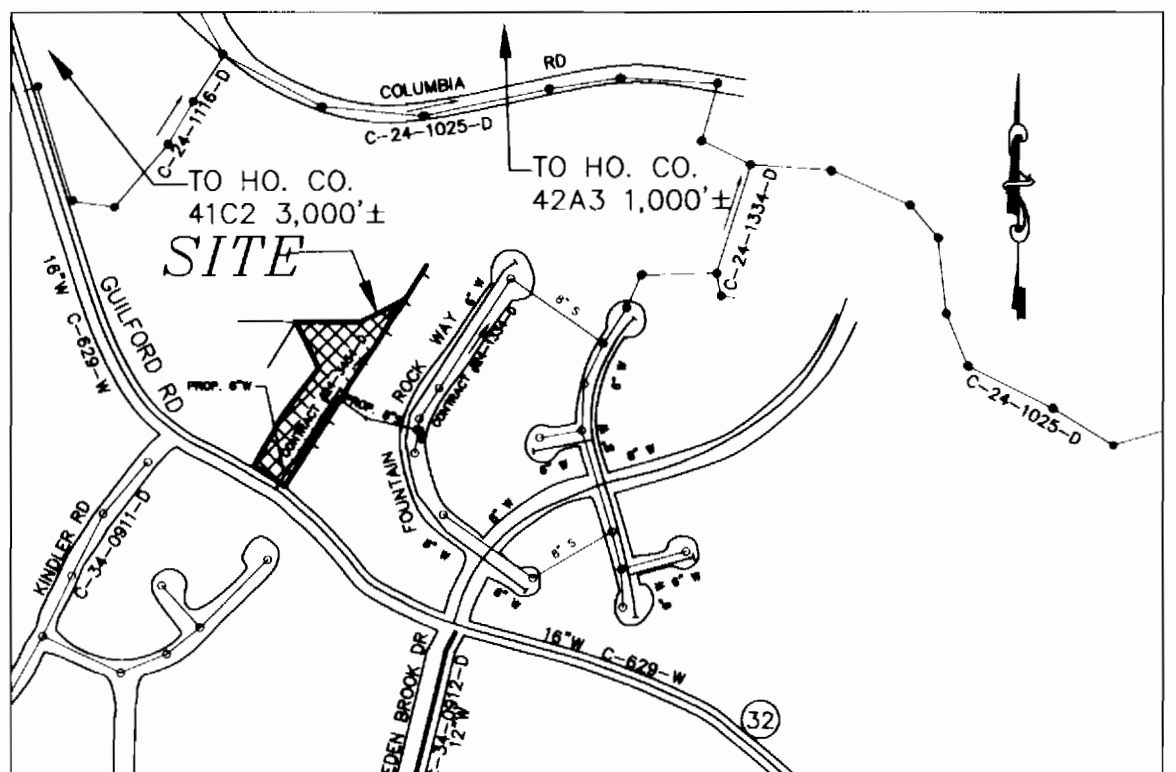


AS-E
AS-BUILT

QUANTITY TABLE

ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
6" WATER D.I.P.	371 L.F.	366 L.F.	DIP	GRIFFIN PIPE PRODUCTS
4" WATER D.I.P.	10 L.F.	5 L.F.	DIP	"
3" WATER D.I.P.	3 L.F.		DIP	"
3/4" L.F.	50 L.F.	66 L.F.	"K"	CAMBRIDGE LEE/M+C
16"x6" T.S. & V.	1 EACH	1EA.		AMERICAN/M+C
6"x6" T	1 EACH	1EA.		GRIFFIN PIPE PRODUCTS
3" BLOW-OFF	1 EACH	1EA.		KUPFERLE/M+C
6"x4" GATE VALVE	1 EACH	1EA.		KENNEDY/M+C
4"x3" REDUCER	1 EACH	1EA.		GRIFFIN PIPE PRODUCTS
6" PLUG & BUTTRESS	1 EACH	1EA.		"
8"SEWER	524 L.F.	PVC 280LF DIP 244LF	PVC & DIP	ET/M+C/GRIFFIN PIPE PROD
4"SHC	120 L.F.	PVC 57LF DIP 63LF	PVC & DIP	"
MANHOLES	4 EACH	4 EA.	PRECAST	ATLANTIC CONCRETE
VERT. FT. OF MANHOLE	57 L.F.			
NO. OF WHC	5	5		
NO. OF SHC	5	5		
NAME OF UTILITY CONTRACTOR: FALLSTON UTILITIES				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE				



WATER & SEWER CODE FOR COUNTY USE ONLY

WATER NO. E16

SEWER NO. 5290000

WATER TEST GRADIENT_700

TYPE OF BUILDING: SINGLE FAMILY RESIDENTIAL

No. OF LOTS: 6 (BUILDABLE: 5)

No. OF WATER HOUSE CONNECTIONS: 5

No. OF SEWER HOUSE CONNECTIONS: 5

DRAINAGE AREA: LITTLE PATUXENT

TREATMENT PLANT: LITTLE PATUXENT WATER RECLAMATION

VICINITY MAP

SCALE: 1" = 600'

WATER AS-BUILTS			SEWER AS-BUILTS		
FROM	TO	DIST.	FROM	TO	DIST.
EX. AIR RELEASE MH	LOT 1	211'	MH-2	LOT 4	265'
MH-1	LOT 1	147'	"	"	147'
"	LOT 2	228'	"	"	228'
EX. AIR RELEASE MH	"	267'	"	"	267'
MH-2	"	311'	"	"	311'
"	"	102'	"	"	102'
3" B.O.	"	74'	"	"	74'
LOT 1	"	75'	"	"	75'
"	"	88'	"	"	88'
4" "	"	81'	"	"	81'
"	"	90'	"	"	90'
"	"	101'	"	"	101'
"	"	102'	"	"	102'
"	"	102'	"	"	102'
"	"	102'	"	"	102'

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.

DEVELOPER'S SIGNATURE: **David R. Renner, Jr. PRES. ECLONG** DATE: 12-10-95

ENGINEER'S SIGNATURE: **R. SCOB. HILGART.** DATE: 12-7-95

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.
Patricia Engler/PER DATE: 12/19/95

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.
John R. Robertson DATE: 12/17/95

PLANNING REFERENCE NUMBERS:
F-95-20
WP-95-85

CONTRACT NO. 24-3454-D DYMOND PROPERTY LOTS: 1 - 6 WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

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". 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 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 DETAIL 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
BG & E CO. CONTRACTOR SERVICES 850-4620
BG & E CO. UNDERGROUND DAMAGE CONTROL 787-8068
MISS UTILITY 1-800-257-7777
COLONIAL PIPELINE CO. 795-1390
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 313-4900
BUREAU OF UTILITIES
- TREES AND SHRUBS TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITH 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 1000 AND 1005 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 PLANS OR IN SPECIFICATIONS.
- ALL SEWER MAINS SHALL BE 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 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G5.52. 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 CELLAR CANNOT BE SERVED.
- ALL SEWER HOUSE CONNECTIONS ARE 4" IN SIZE UNLESS OTHERWISE SHOWN.
- ALL WATER AND SEWER MAINS ARE PUBLIC UNLESS OTHERWISE NOTED.
- WATER MAINS AND WATER CONNECTION LINES MUST BE PLACED AS TO HAVE ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOVE IT.
- ALL WATER HOUSE CONNECTIONS ARE 3/4" IN SIZE UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, @ (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.

INDEX OF DRAWINGS

NO.	DESCRIPTION
1	TITLE SHEET
2	WATER AND SEWER MAIN PLAN
3	WATER AND SEWER PROFILES
4	SEDIMENT & EROSION CONTROL NOTES AND DETAILS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert Renner 12-15-95
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

John R. Robertson 12/17/95
CHIEF, DEVELOPMENT ENGINEERING DIVISION

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorney Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Bldg. (301) 621-5321 Wash. (410) 997-0296 Fax

12-7-95

engineering	MAT	
illustration	MAT	
approval	J.H.	
project	95001	
date	AUGUST, 95	
BY	NO.	REVISION
DATE		

TITLE SHEET

600' SCALE MAP NO. 42 BLOCK NO. 7 & 8

DYMOND PROPERTY
NO. OF LOTS: 6 (LOTS: 1 - 6)
CONTRACT NO. 24-3454-D
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

scale AS SHOWN

1 OF 4

AS-BUILT 9/96

3454 ws/1 DYMOND PROP. (lots 1-6)

95001S.DWG

AS-BUILT

3454 WS/2 DYMOND PROP.

SEWER HOUSE CONNECTION TABLE				
LOTS #	STATION	SLOPE(%)	INV. @ EDGE OF EASEMENT	TYPE OF CONNECTION
1	①MH1 LT	5.00	373.73	MANHOLE HC
2	MH1 TO MH2, 2+18 LT	5.00	372.97	SHC
3	MH1 TO MH2, 1+36 LT	1.00	371.58	SHC
4	MH1 TO MH2, 0+48 LT	1.00	370.95	SHC
5	②MH2 LT	1.00	370.86	MANHOLE HC

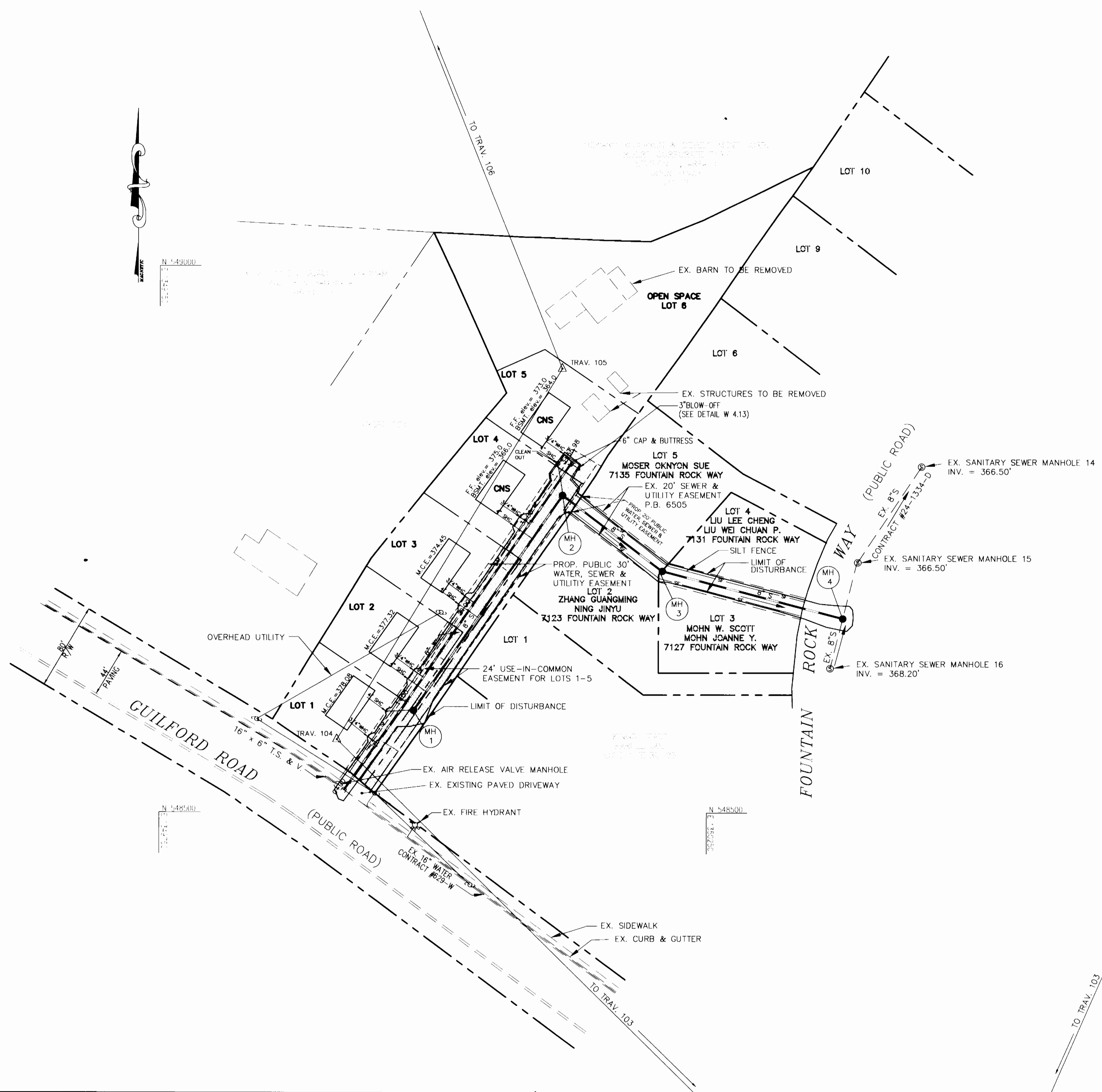
SEWER MANHOLE CHART	
MH NO.	TYPES
1	INTERMEDIATE LANDING

MANHOLE TABULATION CHART			
MH NO.	NORTHING	EASTING	RIM ELEV.
EX. 16	548632.40161	1350363.75124	-
EX. 15	548729.20767	1350389.03310	-
1	548593.92070	1349982.47160	-
2	548791.03870	1350118.39860	-
3	548721.02526	1350210.21991	-
4	548677.82133	1350375.25835	-

FRONTAGE SCHED.	
LOT NO.	FRONTAGE LENGTH
1	82.56'
2	165.22'
3	250.87'
4	340.50'
5	423.25'

WATER MAIN TABULATION CHART			
24' USE-IN-COMMON EASEMENT			
NORTHING	EASTING	APPURTENANCE	
548513.59319	1349920.23109	16" x 6" T.S. & V.	
548820.19350	1350125.91360	6" x 6" T.	
-	-	3" BLOW-OFF	
-	-	6" x 4" GATE VALVE	
-	-	4" x 3" REDUCER	
-	-	6" CAP & BUTTRISS	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	

TRAVERSE NO	NORTHING	EASTING
100	549337.40500	1351862.39000
101	548605.62900	1351375.29000
102	548468.90700	1350664.94000
103	548019.60300	1350467.55000
104	548566.89300	1349912.68000
105	548906.48100	1350118.64000
106	549471.80400	1349892.43000
107	549736.59200	1350828.53000
108	-	-
109	-	-



NOTE: M.C.E. = MINIMUM CELLAR ELEVATION
 CNS = CELLAR NOT SERVICABLE
 30" WATER, SEWER & UTILITY EASEMENT
 NOTE: NO SEWER SERVICE TO THE CELLAR FOR LOTS 4 AND 5. SEWER SERVICE TO THE FIRST FLOOR ONLY.

DYMOND PROPERTY
 LOTS 1 - 6
 WATER AND SEWER EXTENSION
 HOWARD COUNTY, MARYLAND
 CONTRACT NO. 24-3454-D

AS-BUILT

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Elkton City, Maryland 21042
 (410) 897-0296 Bulk (301) 621-5521 Wash. (410) 897-0296 Fax

12-7-95

engineering	MAT				
illustration	MAT				
approval	JH				
project	95001				
date	8/95	BY	NO.	REVISION	DATE

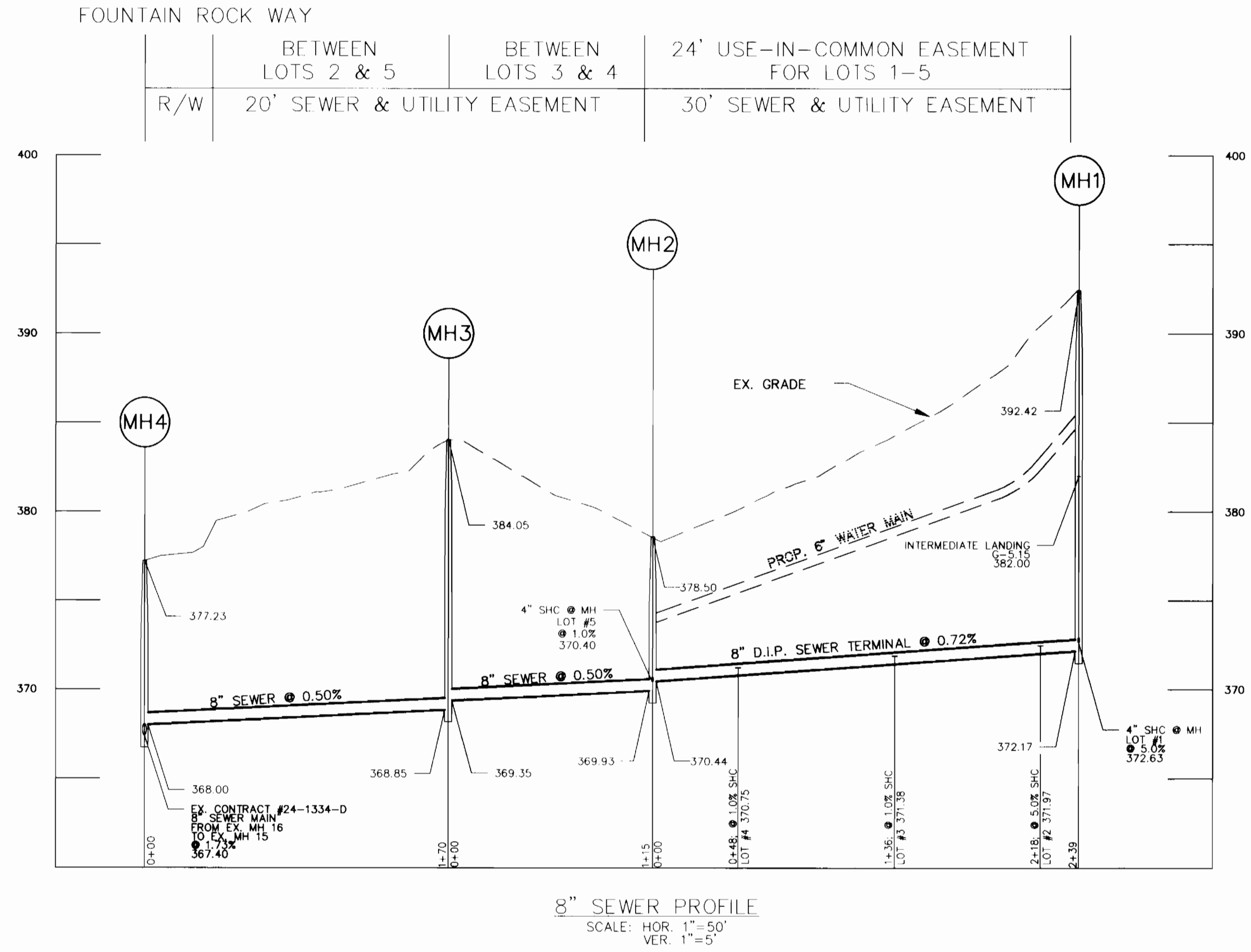
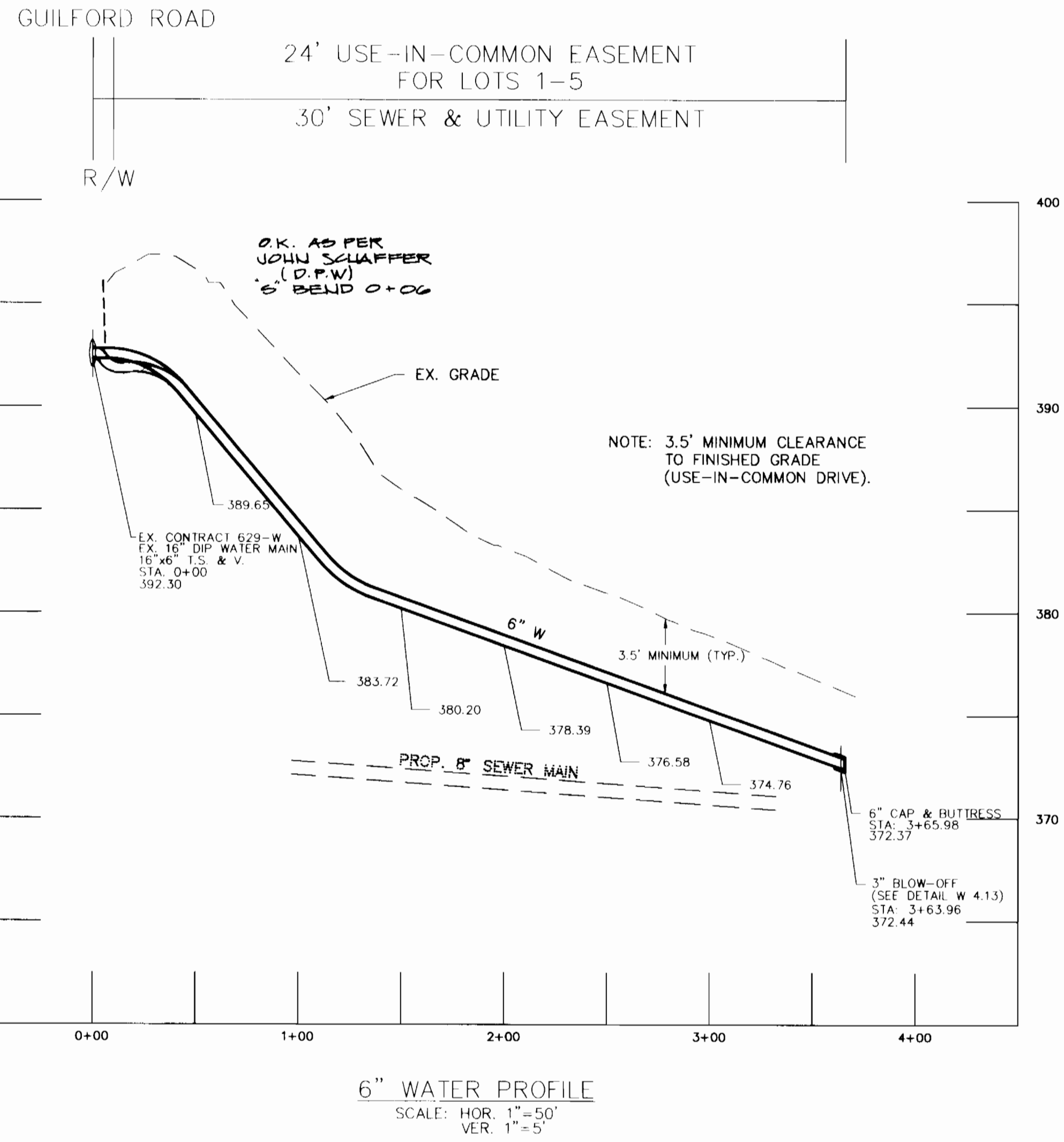
WATER & SEWER MAIN PLAN
 600' SCALE MAP NO. 42 BLOCK NO. 7 & 8

DYMOND PROPERTY
 NO. OF LOTS: 6 (LOTS 1 - 6)
 CONTRACT #24 3454 D
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

scale
 1" = 50'
 2 of 4

AS-BUILT 9/96

3454 ws/3 Dymond Prop.



CONTRACT NO. 24-3454-D
 DYMOND PROPERTY
 LOTS 1 - 6
 WATER AND SEWER EXTENSION
 HOWARD COUNTY, MARYLAND
 AS - BUILT

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Robert J. Bennett
 CHIEF, BUREAU OF UTILITIES
 12-15-95
 DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 [Signature]
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 12/2/95
 DATE

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5073 Dorsy Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0296 Dail. (301) 621-5521 Week. (410) 997-0290 Fax.



engineering	MAT				
illustration	MAT				
approval	JH				
project	95001				
date	8/95	BY	NO.	REVISION	DATE

WATER & SEWER PROFILES

600' SCALE MAP NO. 42 BLOCK NO. 7 & 8

DYMOND PROPERTY
 NO. OF LOTS: 6 (LOTS 1 - 6)
 CONTRACT #24-3454-D
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

scale
 AS SHOWN
 3 OF 4

AS-BUILT 9/96

AS - BUILT

3454 WS/4 DYMOND PROP.

HOWARD SOIL CONSERVATION DISTRICT 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 acre 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 (.05 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) - 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) - Use sod. Option (3) - Seed with 60 lbs./acre Kentucky 31 Tall Fescue and mulch with 2 tone/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 seeding areas and make needed repairs, replacements and reseeds.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed by a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, for not previously loosened.

Soil Amendments: Apply 600 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 (.07 lbs./1000 sq.ft.). For the period November 16 thru November 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 weed free 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 feet 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 additional rates and methods not covered.

STANDARD SEDIMENT CONTROL NOTES

- 1) A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction, (313-1855).
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.
- 3) 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.
- 4) 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.
- 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (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.
- 6) 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.
- 7) Site Analysis:

Total Area of Site:	1.90 Acres
Area Disturbed:	0.31 Acres
Area to be roofed or paved:	0.0 Acres
Area to be vegetatively stabilized:	0.31 Acres
Total Cut:	2200 Cu. Yds.
Total fill:	2200 Cu. Yds.
Total waste/borrow area location:	0
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9) Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- 10) 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.
- 11) Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

EROSION AND SEDIMENT CONTROL NOTES:

- 1) ALL SEDIMENT CONTROL OPERATIONS ARE TO BE DONE IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY VOLUME IV DESIGN MANUAL AND THE STANDARDS AND SPECIFICATIONS FOR SEDIMENT CONTROL IN DEVELOPING AREAS.
- 2) ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS THE FIRST ORDER OF BUSINESS.
- 3) ALL EXCAVATED MATERIALS SHALL BE STOCKPILED ON THE UPGRADE SIDE OF THE WATER AND SEWER MAIN TRENCHES.
- 4) IMMEDIATELY FOLLOWING BACKFILL OF THE SEWER MAIN TRENCH, ALL DISTURBED AREAS ARE TO BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION AND SEEDING NOTES SHOWN ON THIS SHEET.
- 5) THROUGHOUT THE PROJECT, THE CONTRACTOR SHALL REGULARLY INSPECT ALL SEDIMENT CONTROL DEVICES AND PROVIDE ALL NECESSARY MAINTENANCE TO INSURE THAT ALL DEVICES ARE IN OPERATIVE CONDITION.
- 6) ALL SEDIMENT CONTROL FACILITIES SHALL REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

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.

[Signature] 12-10-95
DEVELOPER'S SIGNATURE DATE
DONALD R. RENNER JR. PRES. RLH INC.
DEVELOPER'S NAME

I HEREBY 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 SOIL CONSERVATION DISTRICT.

[Signature] 12-7-95
ENGINEER'S SIGNATURE DATE
R. JACOB HILKERT
ENGINEER'S NAME

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

[Signature] 12/17/95
USDA-NATURAL RESOURCES CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.

[Signature] 12/17/95
HOWARD SCD

PLAN REFERENCE NUMBERS
F - 95-20
WP - 95-85

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 302, Ellicott City, Maryland 21042
(410) 997-0286 Fax (301) 621-5521 Wash. (410) 997-0286 Fax



engineering	MAT				
illustration	MAT				
approval	JH				
project	95001				
date	8/95	BY	NO.	REVISION	DATE

SEDIMENT & EROSION CONTROL NOTES & DETAILS

DYMOND PROPERTY
NO. OF LOTS: 6 (LOTS 1 - 6)
CONTRACT #24-3454-D
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

CONTRACT NO. 24-3454-D
DYMOND PROPERTY
LOTS 1 - 6
WATER AND SEWER EXTENSION
HOWARD COUNTY, MARYLAND
AS - BUILT

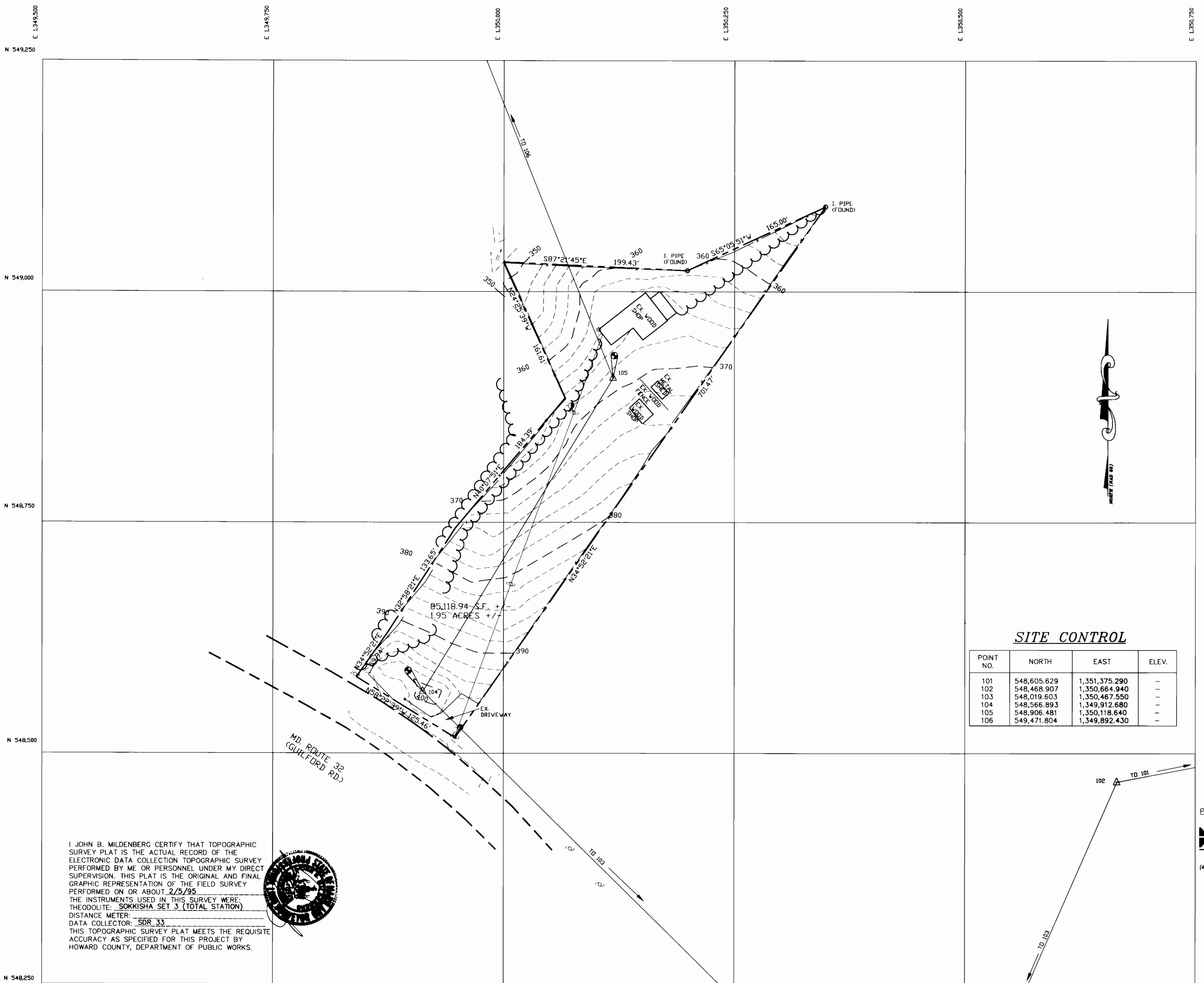
scale
NONE
4 of 4

AS-BUILT 9/96

3454 of topo sh1

BM # 1 REBAR AND CAP
POINT No. 104
N 548,566.893
E 1,349,912.680
EL. 401.30

BM # 2 REBAR AND CAP
POINT No. 105
N 548,906.481
E 1,350,118.640
EL. 369.10



TOPOGRAPHIC SURVEY PLAT

LEGEND

- R/W LINE, LOT LINE
- - - ROAD CENTERLINE
- - - CONC. CURB
- ~ ~ ~ EDGE OF TREE LINE
- o IRON PIPE FOUND



SUBD. NAME DYMOND PROPERTY.
SEC. _____
STREET NAME GUILFORD ROAD (RT 32)
CAP. PROJ. NO. _____
CONTRACT NO. #24-3454-D
FIELD BOOK NO. DC _____
SCALE: 1" = 50'

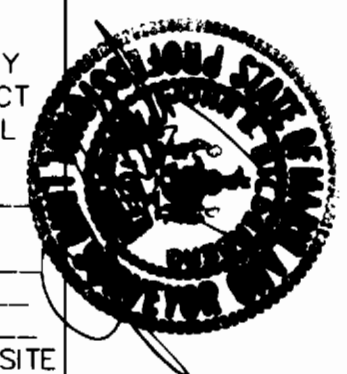
SITE CONTROL

POINT NO.	NORTH	EAST	ELEV.
101	548,605.629	1,351,375.290	-
102	548,468.907	1,350,664.940	-
103	548,019.603	1,350,467.550	-
104	548,566.893	1,349,912.680	-
105	548,906.481	1,350,118.640	-
106	549,471.804	1,349,892.430	-

I, JOHN B. MILDENBERG CERTIFY THAT TOPOGRAPHIC SURVEY PLAT IS THE ACTUAL RECORD OF THE ELECTRONIC DATA COLLECTION TOPOGRAPHIC SURVEY PERFORMED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION. THIS PLAT IS THE ORIGINAL AND FINAL GRAPHIC REPRESENTATION OF THE FIELD SURVEY PERFORMED ON OR ABOUT 2/5/95

THE INSTRUMENTS USED IN THIS SURVEY WERE:
THEODOLITE: SOKKISHA SET 3 (TOTAL STATION)
DISTANCE METER:
DATA COLLECTOR: SDR 33

THIS TOPOGRAPHIC SURVEY PLAT MEETS THE REQUISITE ACCURACY AS SPECIFIED FOR THIS PROJECT BY HOWARD COUNTY, DEPARTMENT OF PUBLIC WORKS.



PREPARED BY:
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4			8		
3			7		
2			6		
1			5		
NO.	REVISION	DATE	NO.	REVISION	DATE