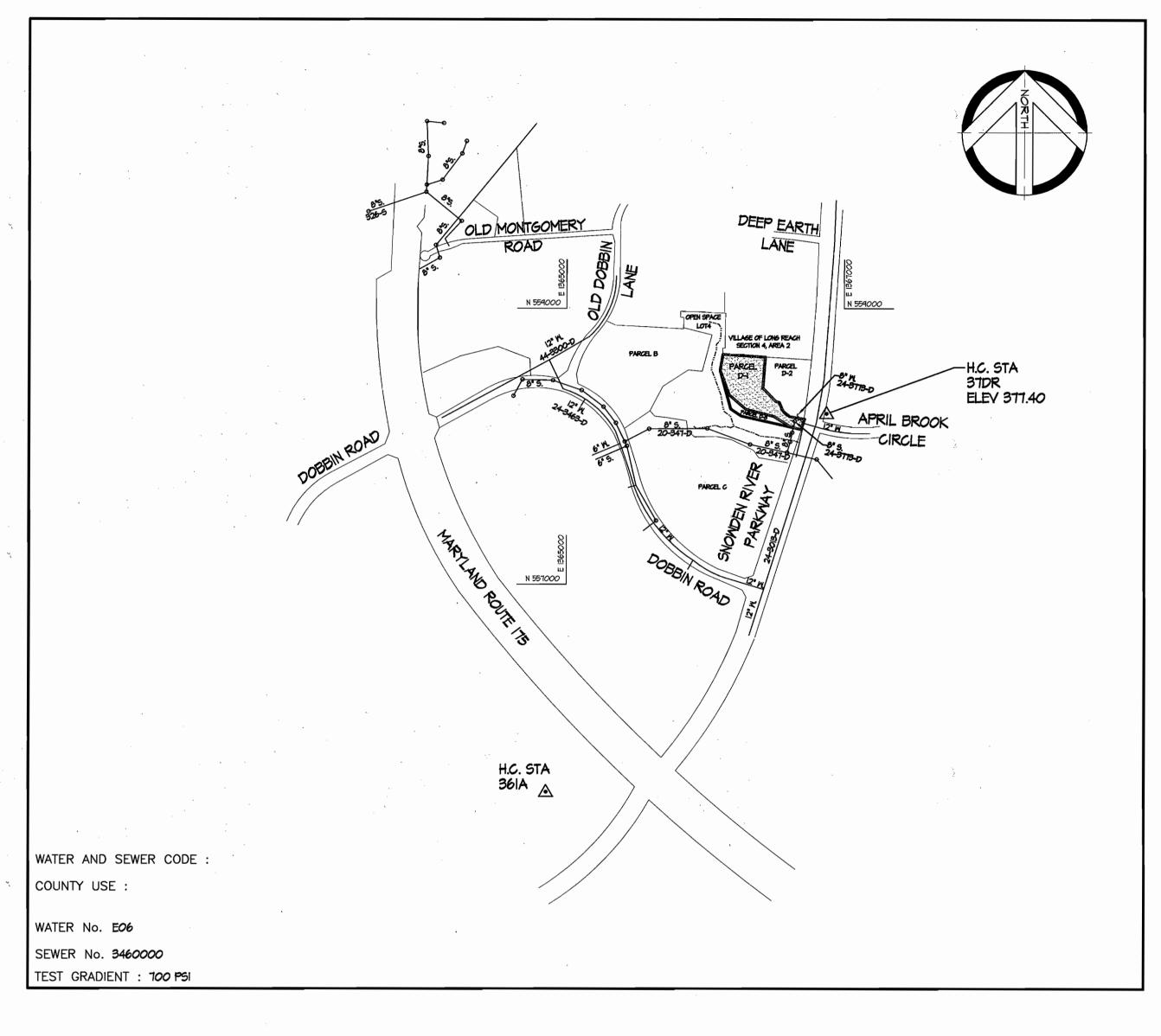
	QUANTITIES		AS BUILT		
ITEMS	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER, SUPPLIER	
8" WATER	385				
6" MATER	<b>18</b> :				
I/I6 BEND	<u> </u>	.4			
1/32 BEND					
8" × 8" TEE	2				
8" × 6" TEE	,				
8" CAP & BUTTRESS	3				
6" FIRE HYDRANT					
8" VALVE	4			,	
6" VALVE	I				
		,			
	,				

AS-BUILT DATE

SURVEY AND DRAFTING DIVISION



VICINITY MAP SCALE : 1"=600'

Contract No. <u># 44-4113-D</u> Route 175 Commercial Section 1 Area 2 Parcel D-1 Howard County, Maryland Department of Public Works

	·
TYPE OF BUILDING	APARTMENT BUILDING (ELDERLY HOUSING)
NUMBER OF UNITS	
NUMBER OF S.H.C.'s	
NUMBER OF W.H.C.'S	
DRAINAGE AREA	LITTLE PATUXENT
TREATMENT PLANT	LITTLE PATUXENT WATER RECLAMATION PLANT

## 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 service. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the contractors expense.

2. All horizontal controls are based on the Maryland State Coordinates NAD 

field run topographic survey performed by\_\_\_\_\_Schmid, Pfeltz & McDonald Inc. Shanaberger And Lane dated 1/29/03.

3. All vertical controls are based on NAVD data.

4. All pipe elevations shown are invert elevations unless otherwise noted on the

5. Clear all utilities by a minimum of 12". Clear all poles by 5'-0" minimum or tunnel as required unless otherwise noted. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the contractors work requires the bracing of additional poles, any cost incurred by the owner for bracing of additional poles or damages shall be deducted from monies owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of the poles.

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 (Latest Edition). 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 locations of the test pits. 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. 8. Contractor shall notify the following utility companies or agencies at least five (5) working days before starting work shown on these plans:

1-800 252-1133 BGE (Contractor Services) 410-850-4260 410-787-9068 BGE (Underground Damage Control) 410-313-4900 Bureau of Utilities 410-795-1390 Colonial Pipeline Co. 1-800-257-7777 Miss Utility State Highway Administration 410-531-5533

1-800-743-0033 / 410-224-9210 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 trees, stumps, and roots along line of excavation. Payment for removal shall be included in the unit price bid for construction of the

II. The contractor shall notify the Bureau of Highways, Howard County, at (410) 313-7450 at least five (5) working days before any open cutting or boring/jacking operation on County roads for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirement per section 18.114(a) of the Howard County Code.

## PART 2 - WATER

I. All water mains to be D.I.P. Class 52 unless otherwise noted. 2. Tops of all water mains to have a minimum of 3-1/2' cover unless otherwise

3. Valves adjacent to tees shall be strapped to tees.

4. All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.

5. Fire hydrants shall be set at the bury line elevations shown on the drawings. All fire hydrants shall be installed in accordance with the Standard Details. The soil around the fire hydrant shall be compacted in accordance with Section 1000 and Section 1005 of the Standard Specifications.

6. The contractor shall not operate any water main valves on the existing water

Sediment control measures for this contract will be implemented in accordance with section 219 of the Specifications and as shown on SDP-03-142 Drawings 2 through 4.

Reviewed for Howard Soil Conservation District and

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND



(410) 683-3388 • fax (410) 683-3389



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ľ	DATE: 1,	/20/03	BY	NO.	REVISION	DATE	600 SCALE MAP NO.

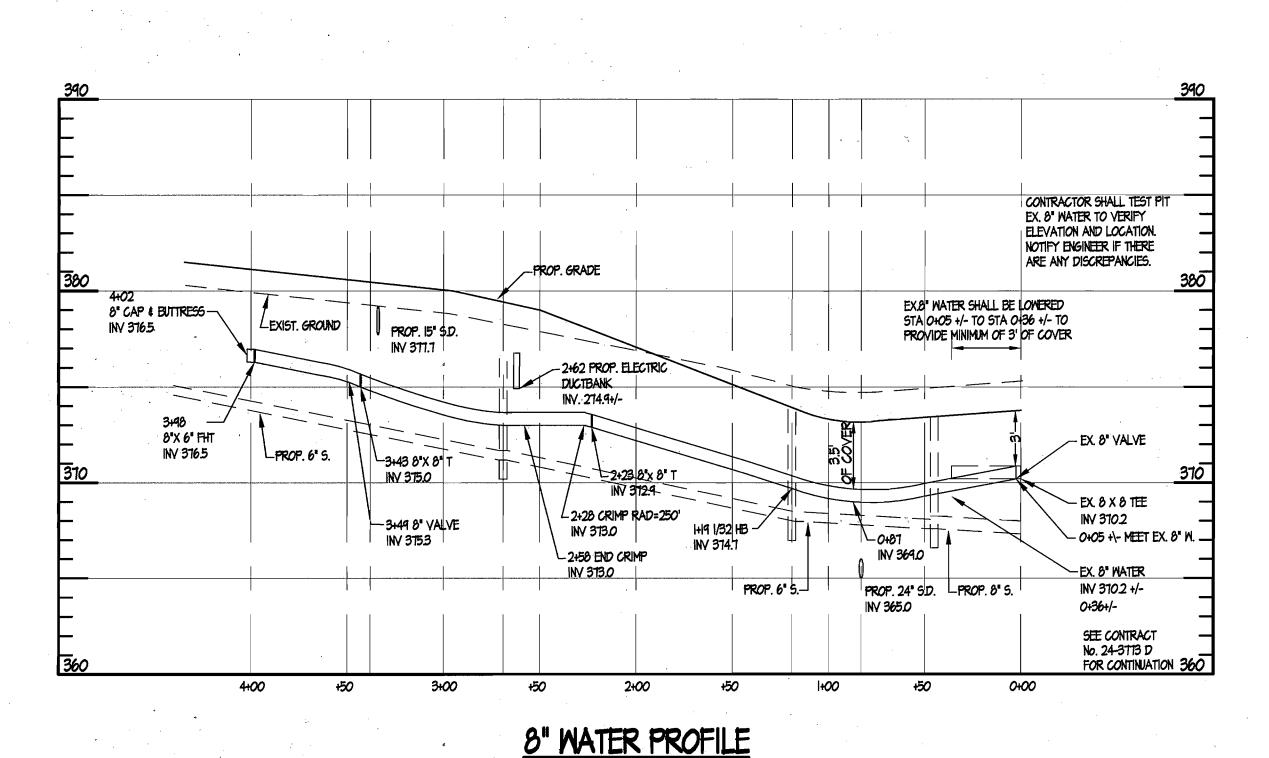
WATER PLAN

BLOCK NO.

ROUTE 175 COMMERCIAL SECTION 1 AREA 2

PARCEL D-1 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT No. 44-4113-=D

SRI FILE



WATER STA. 4 ROAD STA. 4+02 CAP ⊕ 5.83 RT STA 5+15.46 ⊕ 5.80 RT STA 5+II.2I ⊕ 3.66 RT STA 4+62.|| 3+46 VALVE 3+43 TEE ⊕ 3.53 RT STA 4+59.26 2+56 END CRIMP 2+28 BEGIN CRIMP ⊕ 4.48 RT STA 3+71.43 ⊕ 6.37 RT STA 3+41 ⊕ 6.36 RT STA 3+39.54 2+26 VALVE 2+23 TEE |+|9 |/32 BEND ⊕ 6.35 RT STA 3+36.54 ⊕ 5.01 RT STA 2+32.06

0+50 1/16 BEND

O+OO EX. VALVE

⊕ 2.64 LT STA I+61.37

⊕ 2.75 LT STA I+I4

VILLAGE OF LONGREACH SECTION 4 AREA 3 OPEN SPACE LOT 2 PLAT No. 12130 ZONED NEW TOWN POST TRAV2I OL5 TRAV20 (GREDITED OPEN SPACE) 5 89° 52' 53" E 645.49' ----20' LANDSCAPE BUFFER PARCEL 'D-I' 2' PAVED FIRE ACCESS CAS 702.9265 AC+/-| SP | EX. LIGHT POST AGE-RESTRICTED ADULT HOUSING APARTMENT N 558500 PARCEL D-2
"ROUTE 175 COMMERCIAL"
SECTION | AREA 2
PARCELS 'D-1' THRU 'D-3'
PLAT No. 15677
ZONED NEW TOWN OPEN SPACE LOT 4
"ROUTE 175 COMMERCIAL"
SECTION I. AREA 2
PARCELS 'B' THRU 'D' LOTS 4 \$ 9
PLAT No. 14638 -3+49 8" VALVE -3+43 8"x8" TEE ZONED NEW, TOWN 20' PUBLIC MATER AND UTILITY
EASEMENT -2+56 PT CRIMP -2+28 PC RAD=250' 72+26 8" VALVE METER SHALL BE LOCATED INSIDE OF BUILDING HC STA 3TOR SWMF #7 EX. CONC. PILOT CHANNEL EX. SWM FACILITY #7

(PRIVATE)

(SDP 01-09)

PARCEI APRIL BROOK PRIVATE INGRESS/EGRESS INV: 358:35 - N79 80.74'

EASEMENT FOR PARCEL D-3 INV: 341.80

L.6560 F.0422 EX. VALVE SHALL BE CLOSED WHEN CONNECTION IS MADE THE HORIZONTAL AND VERTICAL CONTROL USED IN THIS SURVEY IS BASED ON HOWARD COUNTY GEODETIC CONTROL POINTS '36IA & 37DR'. 37DR ELEV. = 311.40

\_\_\_\_\_ | <u>ZON</u>ED NEWI TOWN | \_\_\_\_ | \_\_\_\_\_

Sediment control measures for this contract will be implemented in accordance with section 219 of the Specifications and as shown on SDP-03-142 Drawings 2 through 4.

Reviewed for Howard Soil Conservation District and

meets technical requirements

HOWARD SOIL CONSERVATION DISTRICT

7/17/03

SDP-03-142

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

HOWARD SOIL CONSERVATION DISTRICT

7/17/03 DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Routh Bernin 7-8-03

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

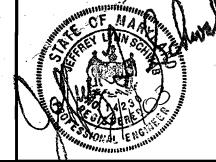
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

SITE RESOURCES

in corporate d

Comprehensive Land Planning & Site Design Services

14307 Jarrettsville Pike, Phoenix, Maryland 21131 (410) 683–3388 • fax (410) 683–3389



K	DES: JLS					)	
	DRN: CGS					•	WATER PLAN
•	•						WATER I DAN
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ROUTE 175 COMMERCIAL
SECTION 1 AREA 2
PARCELS D-1

PARCELS D-1

SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SHEET

CONTRACT No. 44-4113-D

2 OF 2

SRI FILE

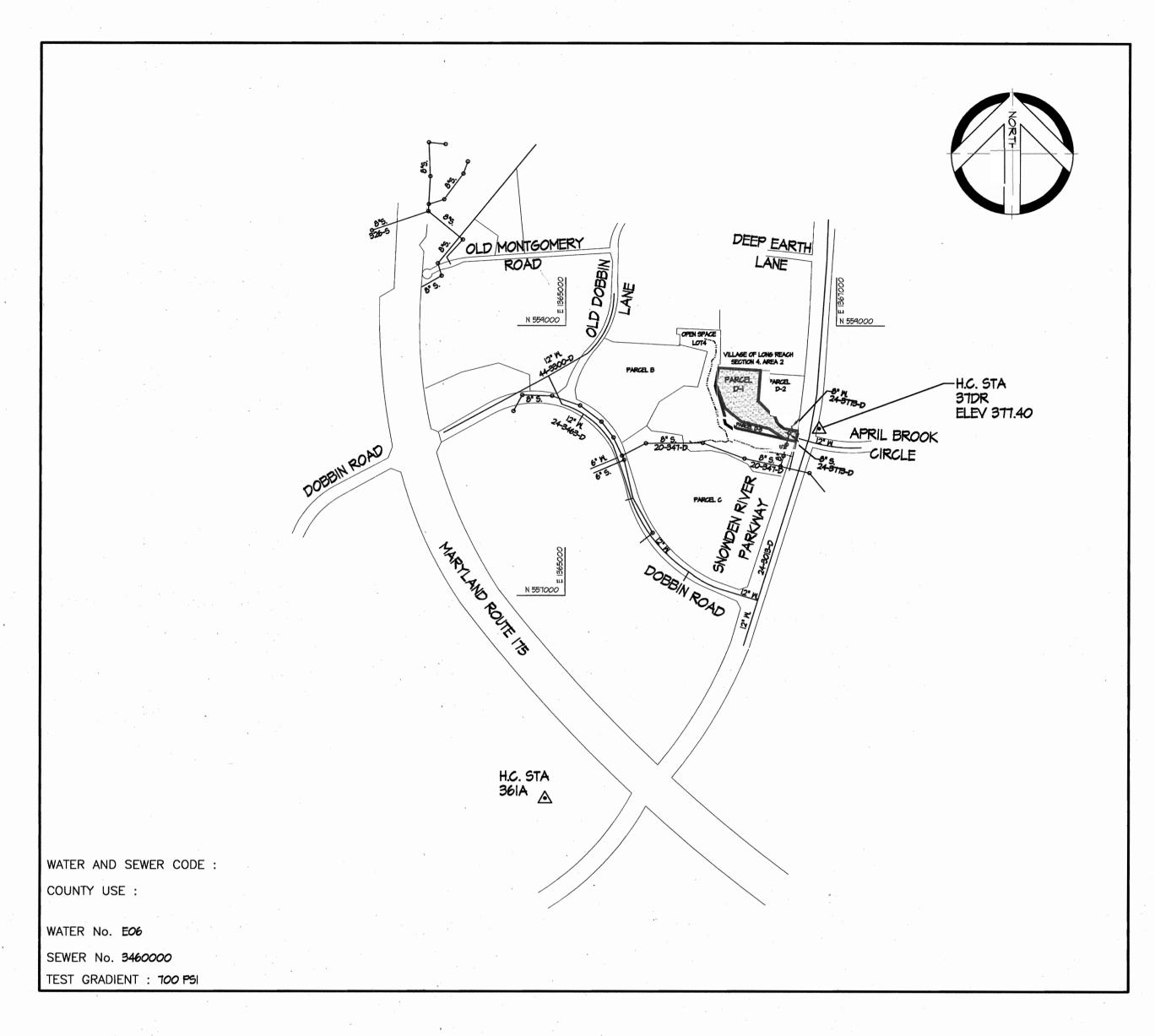
01130

SCALE: 1"=50'

DIVISION DATE OF SCREEN INC. 12. STATE OF SCREEN INC. 37 BLOCK NO.13

	QUANTI	TIES	•	
	QUANTITIES		AS BUILT	
ITEMS	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/ SUPPLIER
8" WATER	385	<i>38</i> 5	DIP-52	US PIPE
6" MATER	18	18	<i>"</i>	,,
1/16 BEND		. /	TYLERIUNION	HUSHES
1/32 BEND		/	ı,	a ·
8" × 8" TEE	2	2	"	'n
8" × 6" TEE	1	/	"	"
8" CAP & BUTTRESS	3	3	"	"
6" FIRE HYDRANT		1	KENNEDY	KENNEDY
8" VALVE	4	4	,	"
6" VALVE	1	· . /	"	ı,
			er e	
,			,	

CHECKBOX AS-BUILT DATE 3-9-04 SURVEY AND DRAFTING DIVISION



VICINITY MAP SCALE: 1"=600'

Contract No. # 44-4113-D Route 175 Commercial Section 1 Area 2 Parcel D-1 Howard County, Maryland Department of Public Works

- 1		
	TYPE OF BUILDING	APARTMENT BUILDING (ELDERLY HOUSING)
	NUMBER OF UNITS	100
	NUMBER OF S.H.C.'s	0
•	NUMBER OF W.H.C.'S	<u> </u>
	DRAINAGE AREA	LITTLE PATUXENT
	TREATMENT PLANT	LITTLE PATUXENT WATER RECLAMATION PLANT
	•	

## 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 service. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the contractors expense.

2. All horizontal controls are based on the Maryland State Coordinates NAD 83/91 as projected by Howard County Horizontal and Vertical GEODETIC CONTROL NOS. 361A and 37DR \_\_. These water drawings are based on a

field run topographic survey performed by Schmid, Pfeltz & McDonald Inc. Shanaberger And Lane dated 1/29/03

3. All vertical controls are based on NAVD data.

4. All pipe elevations shown are invert elevations unless otherwise noted on the

5. Clear all utilities by a minimum of 12". Clear all poles by 5'-0" minimum or tunnel as required unless otherwise noted. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the contractors work requires the bracing of additional poles, any cost incurred by the owner for bracing of additional poles or damages shall be deducted from monies owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of the poles.

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 (Latest Edition). 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 locations of the test pits. 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. 8. Contractor shall notify the following utility companies or agencies at least five (5) working days before starting work shown on these plans:

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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 trees, stumps, and roots along line of excavation. Payment for removal shall be included in the unit price bid for construction of the

11. The contractor shall notify the Bureau of Highways, Howard County, at (410) 313-7450 at least five (5) working days before any open cutting or boring/jacking operation on County roads for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirement per section 18.114(a) of the Howard County Code.

PART 2 - WATER

I. All water mains to be D.I.P. Class 52 unless otherwise noted. 2. Tops of all water mains to have a minimum of 3-1/2' cover unless otherwise

3. Valves adjacent to tees shall be strapped to tees.

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Section 1005 of the Standard Specifications. 6. The contractor shall not operate any water main valves on the existing water

Sediment control measures for this contract will be implemented in accordance with section 219 of the Specifications and as shown on SDP-03-142 Drawings 2 through 4. Reviewed for Howard Soil Conservation District and

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND





(410) 683-3388 • fax (410) 683-3389

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WATER PLAN

600 SCALE MAP NO.

ROUTE 175 COMMERCIAL SECTION 1 AREA 2

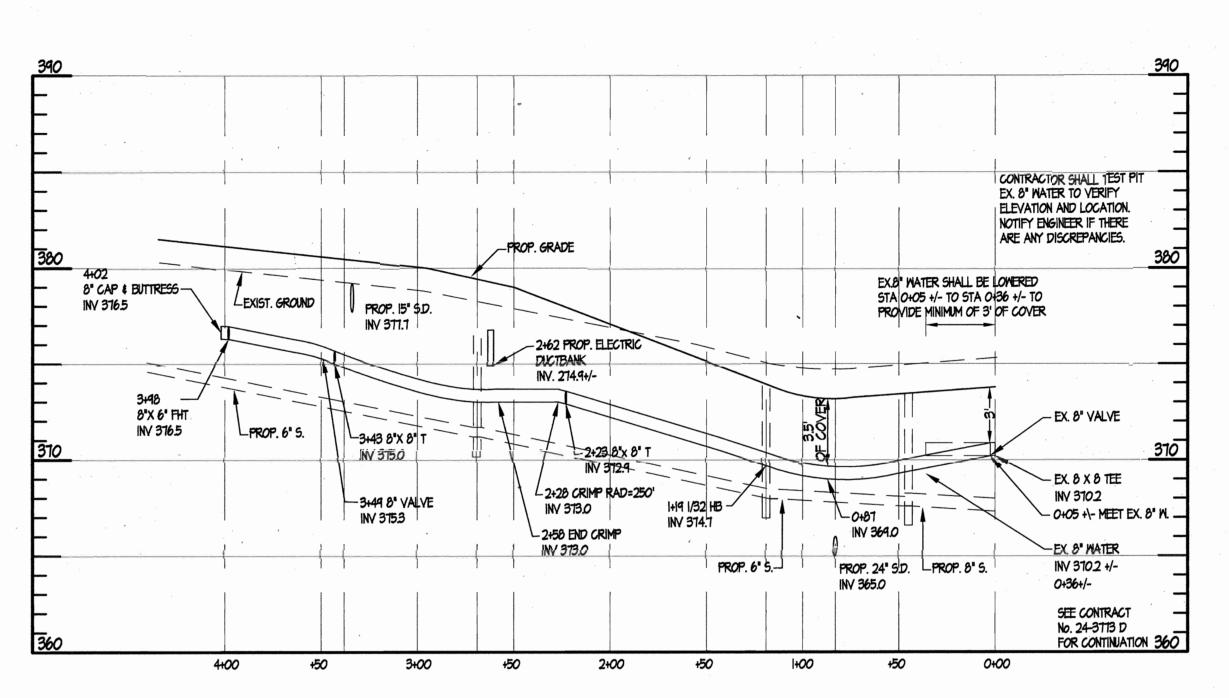
PARCEL D-1 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

CONTRACT No. 44-4113-=D

BLOCK NO.1

1 OF 2

SRI FILE 01130



WATER STA.	& ROAD STA.
4+02 CAP	⊕ 5.83 RT STA 5+15.46
3+98 TEE	⊕ 5.80 RT STA 5+II.2I
3+46 VALVE	⊕ 3.66 RT STA 4+62.II
3+43 TEE	⊕ 3.53 RT STA 4+59.26
2+56 END CRIMP	⊕ 4.48 RT STA 3+71.43
2+28 BEGIN CRIMP	⊕ 6.37 RT STA 3+41
2+26 VALVE	⊕ 6.36 RT STA 3+39.54
2+23 TEE	⊕ 6.35 RT STA 3+36.54
1+19 1/32 BEND	⊕ 5.01 RT STA 2+32.06
0+50 1/16 BEND	⊕ 2.64 LT STA I+61.37
0+00 EX. VALVE	⊕ 2.75 LT STA I+I4

8" WATER PROFILE

SCALE: HOR | = 50' VERT. | = 5'

----20' LANDSCAPE BUFFER PARCEL 'D-I' 2' PAVED FIRE ACCESS CAS 102.9265 ACIT EX. LIGHT PROPOSED
AGE-RESTRICTED
ADULT HOUSING
APARTMENT O+03 & 6" VALVE 20' MATER - \$ UTILITY EASEMENT N 558500 PARCEL D-2
"ROUTE 175 COMMERCIAL"
SECTION I AREA 2
PARCELS 'D-1' THRU 'D-3'
PLAT No. 15677
ZONED NEW TOWN -0.18 6' FH BURY LINE 382.60 OPEN SPACE LOT 4
"ROUTE 175 COMMERCIAL"
SECTION I AREA 2
PARCELS 'B' THRU 'D' LOTS 4 &
PLAT No. 14638
ZONED NEW TOWN -3+49 8" VALVE -3+43 8"x8" TEE 20' PUBLIC WATER AND UTILITY
EASEMENT -2+56 PT CRIMP 2+28 PC RAD=250'4"\0 -2+26 8" VALVE 8" CAP & BUTTRESS METER SHALL BE LOCATED INSIDE OF BUILDING (NOT IN CONTRACT) - 11 71° 30' 17" W SWMF #7 EX. CONC. PILOT CHANNEL EX. SWM FACILITY #7
(PRIVATE)
(SDP 01-09)
PARCEI 5 79° 30' 17" E 44036 APRIL BROOK CIRCLE PRIVATE INGRESS/EGRESS INV. 350 35 WT9 8017 W 89.74 EXIST. 81 WATER (PUBLIC ROAD) EX. VALVE SHALL BE CLOSED WHEN CONNECTION IS MADE THE HORIZONTAL AND VERTICAL CONTROL USED IN THIS SURVEY IS BASED ON HOWARD COUNTY GEODETIC CONTROL POINTS '36IA & 3TDR'. 37DR ELEV. = 377.40

\_\_\_\_\_ | ZONED NEW TOWN | \_\_\_ | \_\_ | \_\_ | \_\_ |

5 89° 52' 50 E 040.44

VILLAGE OF LONGREACH SECTION 4 AREA 3 OPEN SPACE LOT 2 PLAT NO. 12130 ZONED NEW TOWN

OL5 TRAV20

Sediment control measures for this contract will be implemented in accordance with section 219 of the Specifications and as shown on SDP-03-142 Drawings 2 through 4.

Reviewed for Howard Soil Conservation District and

meets technical requirements WARD SOIL CONSERVATION DISTRICT

SDP-03-142 This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

L CONSERVATION DISTRICT

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

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	DATE: 1	/20/03	BY	NO.	REVISION	DATE	600 SCALE MAP NO. $\frac{36}{37}$
-							

WATER	PLAN	

BLOCK NO.

ROUTE 175 COMMERC	CIAL
SECTION 1 AREA 2	<u>.</u>
PARCELS D-1	
ECTION DISTRICT HOWARD COL	JNTY, MARY

SIXTH ELEC CONTRACT No. 44-4113-D

P EX. LIGHT "POST

SHEET 2 OF 2

SRI FILE 01130

SCALE: 1"=50'

CHIEF, DEVELOPMENT ENGINEERING DIVISION

14307 Jarrettsville Pike, Phoenix, Maryland 21131 (410) 683-3388 • fax (410) 683-3389