GENERAL WATER NOTES

DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

- Approximate locations 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.
- 2. The existing topography was obtained from a flown aerial survey taken with 2 foot contour intervals on March 30, 2005 performed by Harford Aerial Survey.
- 3. Horizontal and Vertical Survey Controls:

The coordinates shown on the drawings are based on Maryland State Reference System NAD '83/'91 as projected by Howard County Geodetic Control Stations No. 16DA and 16DC. All vertical controls are based on NAVD '88.

- 4. All pipe elevations shown are invert elevations unless otherwise noted on the plans.
- Clear all utilities by a minimum of 12 inches. 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 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 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 drawing 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. When 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 text pit or pits is included on the drawings. Existing utilities in the vicinity of the proposed work for which test pits have not been dua shall be located by the contractor two weeks in advance of construction operations at his own expense.
- 8. The contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

BGE (Construction Services)

1-800-252-1133 410-850-4620 BGE (Emergency) Bureau of Utilities 410-787-9068

Colonial Pipeline Co. Miss Utility State Highway Administration 410-313-4900 410-795-1390 1-800-251-7777

410-531-5533 1-800-743-0033/410-224-9210

- 9. 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.
- 10. The 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.
- 11. The contractor shall notify the Bureau of Highways, Howard County at (410) 313-7450 at least five working days before open cutting or boring/jacking of any county road for laying mater/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.

PART II WATER

- 1. All water mains shall be D.I.P. Class 54 unless otherwise noted.
- 2. Tops of all water mains shall have a minimum of 3'-6" of cover unless otherwise noted.
- 3. Valves adjacent to tees shall be strapped to tees.
- 4. All fittings shall be buttressed or anchored with concrete in accordance with Standard Details unless otherwise provided for on the drawings.
- 5. 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. 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 system.

PART III SEMER

- I. All sewer mains shall be DIP and PVC unless otherwise noted.
- 2. All manholes shall be 4'-0" inside diameter unless otherwise noted
- 3. Force mains shall be DIP only.
- 4. Manholes shown with 12" and 16" walls are for brick manholes only.
- 5. Manholes designated W.T. in plan and profiles shall have watertight frame and covers, Standard Detail 65.52. Where watertight manhole frames and covers are used, set top of frame 1'6" above finished grade unless otherwise noted on drawings.
- 6. House(s) with the symbol "C.N.S." indicates that cellar cannot be served.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND AS SHOWN ON SDP-08-031

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND

MEETS TECHNICAL REQUIREMENTS M

ONSERVATION DISTRICT

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

HOWARD COUNTY, MARYLAND

Plat #: F-08-168; SDP #: SDP-08-031

DEPARTMENT OF PUBLIC WORKS

80/85/8

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

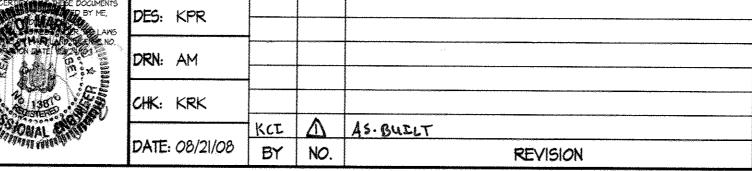












EX. 8" SAN

CONTRACT NO. 579-5

EX. 8" SAN

CONTRACT NO. 573-W&S-

NUMBER OF LOTS:

NUMBER OF SH.C.S.

NUMBER OF WH.C.S.

AREA OF PARCEL:

TREATMENT PLANT: N/A

SEMER SHED:

EX. 12" WATER

LOCATION MAP

SCALE: |" = 600"

I PROP. BUILDING

217,800 sf / 5.0 Ac.

DORSEY RUN

60,000 S.F. FLEX SPACE BUILDING

CONTRACT NO. 573 W&S

CONTRACT No. 14-4546-D

Brookdale Industrial Park

PARCEL A

600' SCALE MAP NO.

GRAPHIC SCALE

1" = 600"

600

POSSIBLE EMERGENCY

CONTRACT NO. 579-5

WATER SHUT OFF

EX. 8" SAN

POSSIBLE EMERGENCY -

WATER SHUT OFF

WATER AND SEWER PLAN

BLOCK NO. 4/5

43

1"=2000"

BENCHMARKS

MONUMENT NORTHING EASTING ELEVATION HORIZ DATUM VERT, DATUM 550534.186 1316905.228 209.31 551676.391 1378108.415 209.50

DRAWING INDEX

SHEET # DRAWING # DRAWING TITLE
1 OF 2 WO.OI COVER SHEET

2 OF 2 WI,00 WATER AND SEWER PLAN & PROFILES

WATER CODE: BOI **SEWER CODE: 2350000** TEST GRADIENT:

QUANTITIES

ITEM	QUANITITY	QUANITITY	TYPE	MANUFACTURER/ SUPPLIER
6" WATER MAIN	I2 L.F.	14.56.8	CLSHOTP	ATLANTES STATES
8" WATER MAIN	599 L.F.			ATLANTIC STATES
FIRE HYDRANT (BURY 6'-0")	I EA.	I E.A.	A-473	
FIRE HYDRANT (BURY 6'-6")	I EA.	IEA.	A- 413	Mueller Co.
8" X 6" TEE	2 EA.	ZEA.	C-153	UNITON FOUNDRY
8" X 8" TEE	I EA.	I EA.	6-153	Laton tonabel
6" VALVE	2 EA.	2 E.A.	GATE V	MUELLER CO.
8" VALVE	3 EA.	in a series and the series of	GATEV	MUELLER (D.
12" X 8" TAPPING SLEEVE & VALVE	I EA.	digitar in the Company of State of the State	CLSA	SMITH BLAIK
6" SEMER HOUSE CONNECTION	68 L.F.	68 L.F.	50 0 35	
NAME OF UTILITY CONTRACTOR:	KENSLE		(RUCTIO	an ballahan di Sangkar jata, pada kan medikan di Sang madi Sang sanjan di kanasan Jawa Sangkar Sangkar Sang Sa Sangkar Sangkar Sangkar Jawa Sangkar S
		SURVEY AND CHECKBOX:		
				AG-BUILT DATE: 2-6-13

OWNER/DEVELOPER:

KINSLEY HOLDINGS, INC. 6259 REYNOLDS MILL ROAD SEVEN VALLEYS, PA 17360 CONTACT: MICHAEL D. JEFFERS PHONE No.: 717-741-8408

SITE DATA:

200 SCALE MAP #:

7010 BROOKDALE DRIVE SUBDIVISION NAME: BROOKDALE INDUSTRIAL PARK SECTION / AREA: PARCEL No : PARCEL A PLAT No.: BLOCK No .: ZONE: TAX MAP No. ELECTION DISTRICT: CENSUS TRACT: 6012.02

SCALE:

AS SHOWN

SHEET

BROOKDALE INDUSTRIAL PARK PARCEL A

> 7010 BROOKDALE DRIVE Ist ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO. 14-4546-D

SDP-08-03

0F 2

CHIEF, BUREAU OF UTILITIES

