

Table 2. Summary of Proposed Well Construction Details, Former Grumman Settling Ponds (Operable Unit 3 - Bethpage Community Park), Bethpage, New York.

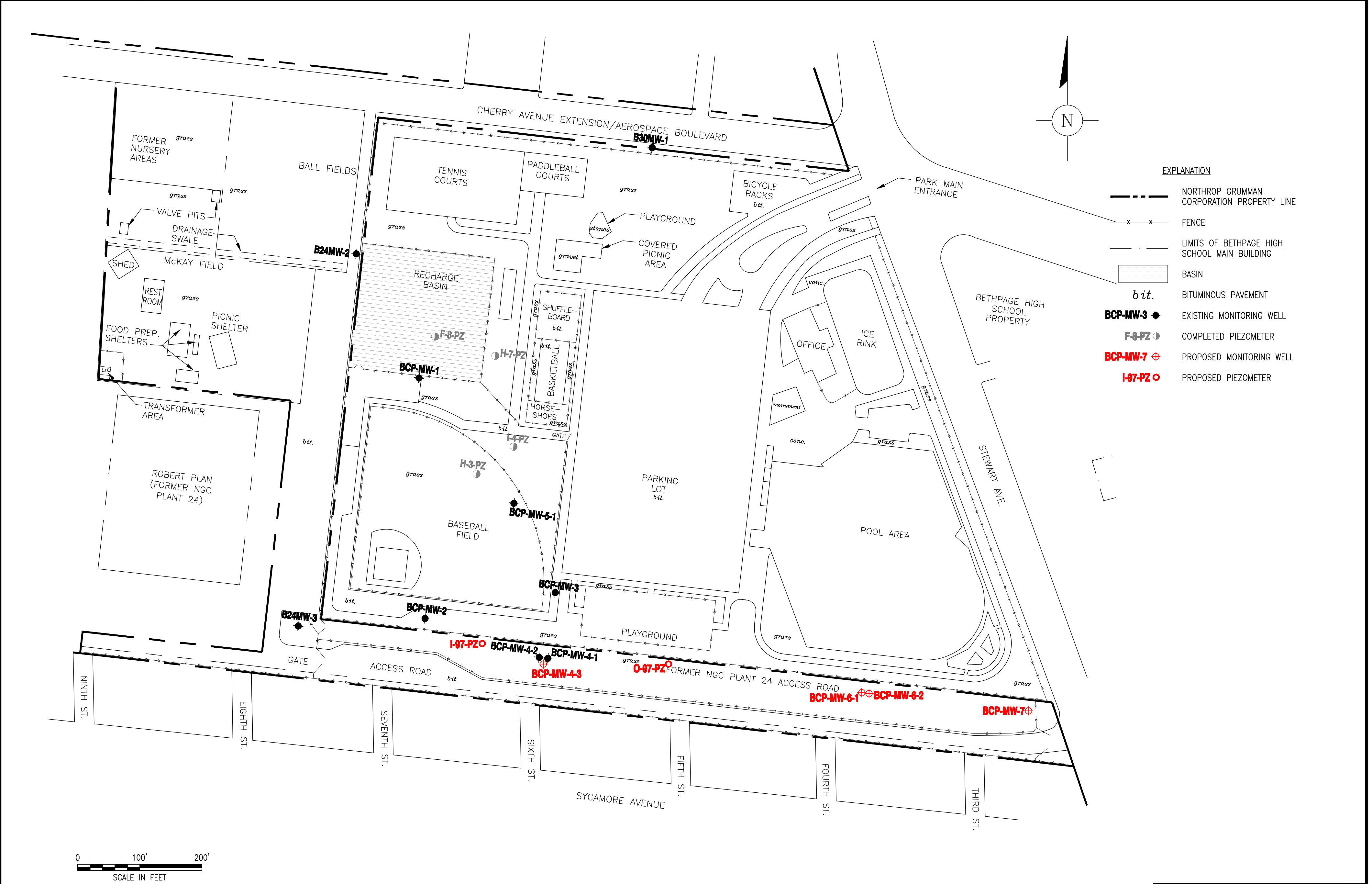
Well Identification	Owner	Nominal Borehole/ Well Diameter (inches)	Casing/ Screen Material	Screen Slot Size (in)	Screened interval (ft bmp)	Total Depth (ft bmp)	No. Split Spoons	Split Spoon Sieve Analysis	Shelby Tube Interval ⁽²⁾ (ft bls)	Gamma Log	Well Development	Surface Casing	
Proposed Monitoring Wells													
On-Site													
BCP-MW4-3	NGC	10 / 4	Sch. 40 PVC	0.01	115	125	130	2	N	N	N	Y	3' stickup
BCP-MW6-1	NGC	10 / 4	Sch. 40 PVC	0.01	90	100	105	2	N	N	N	Y	3' stickup
BCP-MW6-2	NGC	10 / 4	Sch. 40 PVC	0.01	135	145	150	2	N	N	N	Y	3' stickup
BCP-MW7-1	NGC	10 / 4	Sch. 40 PVC	0.01	90	100	105	2	N	N	N	Y	3' stickup
Off-Site													
BCP-MW100-1	NGC	10 / 4	Sch. 40 PVC	0.01	55	65	70	2	N	N	N	Y	8" Ø FM
BCP-MW100-2	NGC	10 / 4	Sch. 40 PVC	0.01	142	152	157	2	N	N	N	Y	8" Ø FM
BCP-MW100-3	NGC	10 / 4	Sch. 80 PVC	0.01	237	247	252	2	N	N	N	Y	8" Ø FM
BCP-MW102-1	NGC	10 / 4	Sch. 40 PVC	0.01	137	147	152	2	N	N	N	Y	8" Ø FM
BCP-MW107-1	NGC	10 / 4	Sch. 40 PVC	0.01	78	88	93	2	N	N	N	Y	8" Ø FM
BCP-MW108-1	NGC	10 / 4	Sch. 40 PVC	0.01	67	77	82	2	N	N	N	Y	8" Ø FM

(1) Additional soil samples may be collected for laboratory analysis, depending on field conditions.

(2) Well specifications may be modified in the field based on site conditions.

SS Stainless Steel
PVC Polyvinyl chloride
NGC Northrop Grumman Systems Corporation

Acad Version : R17.0s (LMS Tech) Date/Time : Mon, 05 Feb 2007 - 3:54pm
 User Name : alsanchez Path/Name : C:\PROJECT\Northrop Grumman\030207\PLAN_VIEW\Installed_Proposed_MW_Piezometer.dwg
 Current Plotstyle : ByColor Layout Tab: ON-SITE



- EXPLANATION**
- NORTHROP GRUMMAN CORPORATION PROPERTY LINE
 - FENCE
 - LIMITS OF BETHPAGE HIGH SCHOOL MAIN BUILDING
 - ▨ BASIN
 - bit.* BITUMINOUS PAVEMENT
 - BCP-MW-3 EXISTING MONITORING WELL
 - F-8-PZ COMPLETED PIEZOMETER
 - ⊕ BCP-MW-7 PROPOSED MONITORING WELL
 - I-97-PZ PROPOSED PIEZOMETER

PRELIMINARY DRAFT

BASE MAP REFERENCE:
 DVIRKA AND BARTILUCCI
 CONSULTING ENGINEERS 2003

NO.	ISSUED DATE	REVISION DESCRIPTION	BY/CKD
0	02-05-07	PROPOSED LOCATIONS	MR

SEAL

ARCADIS

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PROJECT TITLE
 OPERABLE UNIT 3
 FORMER GRUMMAN
 SETTLING PONDS
 BETHPAGE, NEW YORK

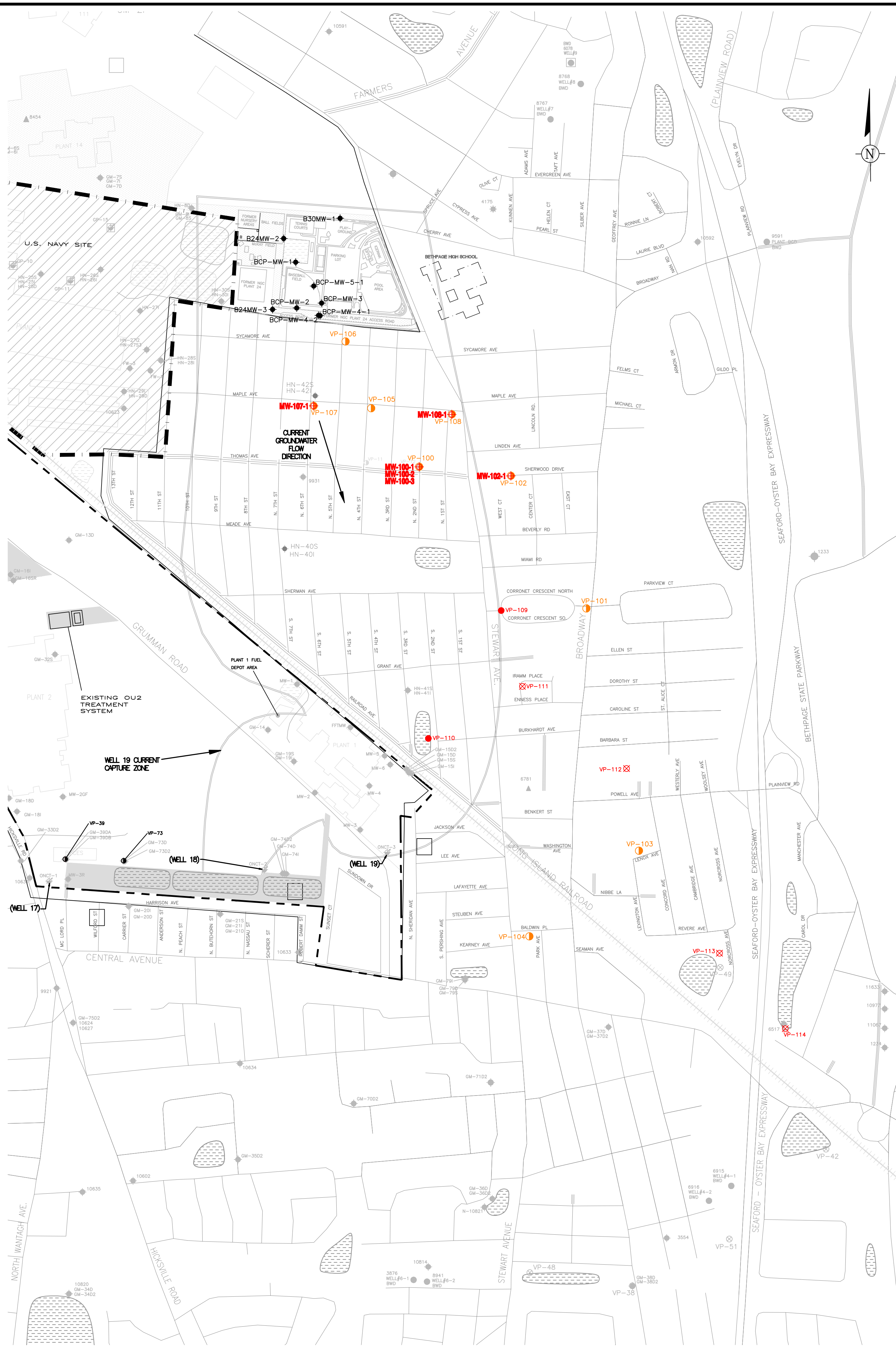
PROJECT MANAGER
 C. SAN GIOVANNI

DEPARTMENT MANAGER
 M. WOLFERT

SHEET TITLE
 INSTALLED AND PROPOSED
 MONITORING WELLS AND
 PIEZOMETER LOCATIONS

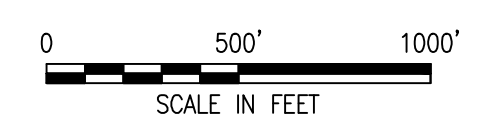
LEAD DESIGN PROF.	CHECKED BY M. REINDL
TASK/PHASE NUMBER 00004	DRAWN BY A. SANCHEZ
PROJECT NUMBER NY001464.0807	DRAWING NUMBER 1

Acad Version : R17.0s (LMS Tech) Date\Time : Mon, 05 Feb 2007 - 4:04pm
 User Name : alsanchez Path\Name : G:\APROJECT\Northrop Grumman\DCadd\OU3\2007\DOFF-SITE\EDProposed Monitoring Well Locations.dwg/Layout.Tab: OU3



- EXPLANATION**
- PROPERTY BOUNDARY OF THE FORMER GRUMMAN AEROSPACE SITE
 - - - PROPERTY BOUNDARY OF U.S. NAVY SITE
 - ||||| LONG ISLAND RAILROAD
 - DENOTES NORTHROP GRUMMAN OWNED PROPERTY (AS OF 2003)
 - ▨ DENOTES U.S. NAVY OWNED PROPERTY (AS OF 2003)
 - ▩ RECHARGE BASIN
 - LAND SURFACE PROJECTION OF THE CAPTURE ZONE OF WELL ONCT 3 (WELL 19) PUMPING AT ITS NORMAL RATE OF 700 GPM (BASED ON MODELING)
 - ← CURRENT DIRECTION OF GROUNDWATER FLOW
 - - - LIMITS OF BETHPAGE HIGH SCHOOL MAIN BUILDING
 - 10592 ● OBSERVATION, MONITORING WELL (GRAY - SHOWN FOR REFERENCE) (BLACK - PROPOSED TO BE SAMPLED IN PHASE 2 RI)
 - 6781 ▲ INDUSTRIAL WELL
 - 9591 ● PUBLIC SUPPLY WELL
 - 4175 ● IRRIGATION WELL
 - WELL-17 ● NORTHROP GRUMMAN OR NAVY PRODUCTION WELL
 - GP-11 ● ABANDONED PRODUCTION WELL
 - VP-49 ● COMPLETED OU2 VERTICAL PROFILE BORING
 - VP-100 ● COMPLETED OU3 VERTICAL PROFILE BORING
 - VP-109 ● PROPOSED OU3 VERTICAL PROFILE BORING
 - VP-112 ☒ PROPOSED OU3 CONTINGENCY VPBs
 - BWD BETHPAGE WATER DISTRICT
 - VPB VERTICAL PROFILE BORING
 - RI REMEDIAL INVESTIGATION
 - OU2 OPERABLE UNIT 2
 - OU3 OPERABLE UNIT 3
 - BCP-MW-2 ◆ COMPLETED MONITORING WELLS
 - MW-100-1 ◆ PROPOSED MONITORING WELLS

- GENERAL NOTES:**
- THIS FIGURE INCLUDES LOCATIONS OF PUBLIC SUPPLY WELLS BASED ON INFORMATION RECEIVED BY ARCADIS IN RESPONSE TO A SEPTEMBER 2001 LETTER TO WATER DISTRICTS.
 - BASIN LOCATIONS OBTAINED FROM USGS TOPOGRAPHIC MAPS (HUNTINGTON, HICKSVILLE, FREEPORT AND AMITYVILLE QUADRANGLES) AND INFORMATION PROVIDED BY NORTHROP GRUMMAN.
 - NORTHROP GRUMMAN PROPERTY HOLDINGS BASED ON DATA PROVIDED IN JUNE 2003.
 - LOCATIONS OF MONITORING WELLS INSTALLED BY DVIKA & BARTILUCCI (D&B) AT PLANT 1 (I.E., MW-1 TO MW-6) ARE APPROXIMATE BASED ON D&B SITE PLAN, PROVIDED ON DECEMBER 19, 2002.
 - LOCATIONS OF MONITORING WELLS INSTALLED BY DVIKA & BARTILUCCI (D&B) AT BETHPAGE COMMUNITY PARK ARE APPROXIMATE BASED ON DATA PROVIDED BY D&B SITE PLAN, DATED DECEMBER 2003.



NO.	ISSUED DATE	REVISION DESCRIPTION	BY/CKD
1	02-05-07	PROPOSED LOCATIONS	MR
0	01-09-07	UPDATED	AS

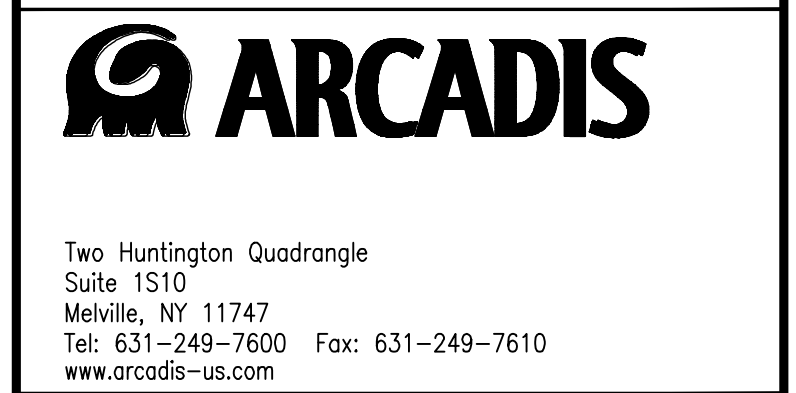
KEYPLAN

PROJECT TITLE

OPERABLE UNIT 3
NORTHROP GRUMMAN
SYSTEMS CORPORATION
BETHPAGE, NEW YORK

SHEET TITLE

SITE PLAN
SHOWING PROPOSED
AND COMPLETED
MONITORING WELL LOCATIONS



SEAL	SEAL
PROJECT MANAGER C. SAN GIOVANNI	DEPARTMENT MANAGER M. WOLFERT
LEAD DESIGN PROF.	CHECKED BY M. REINDL
TASK/PHASE NUMBER 00003	DRAWN BY A. SANCHEZ
PROJECT NUMBER NY001348.0806	DRAWING NUMBER 2

BETHPAGE COMMUNITY PARK
EXTENTS AND FEATURES
DVIKA AND BARTILUCCI
CONSULTING ENGINEERS 2003

ALL COORDINATES REFERENCED TO
NORTH AMERICAN DATUM 1929