

STANDARD LEGEND & SYMBOLS

GENERAL NOTES

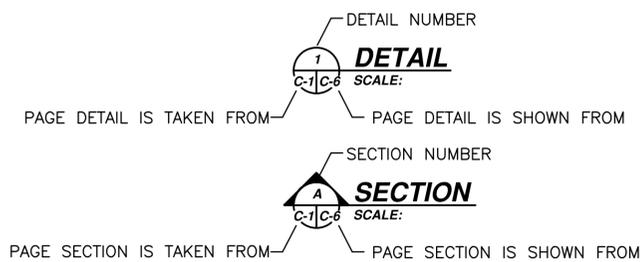
ABBREVIATIONS

EXISTING	DESCRIPTION	PROPOSED
	INDEX CONTOUR	
	INTERMEDIATE CONTOUR	
	EDGE OF PAVEMENT	
	VERTICAL CURB	
	REVERSE CURB	
	TRANSITION CURB	
	LIMITS OF DISTURBANCE (L.O.D.)	
	FENCE LINE	
	WATER LINE	
	SANITARY SEWER	
	STORM SEWER	
	ELECTRIC SERVICE	
	TELEPHONE SERVICE	
	UNKNOWN UTILITY	
	SPOT ELEVATION	
	SIGN	
	SANITARY SEWER IDENTIFIER	
	STORM DRAIN IDENTIFIER	
	LIGHT POLE	
	BOLLARDS	
	TREE/ TREELINE	
	FIRE HYDRANT	
	PARKING SPACES	
	STORM STRUCTURES	

- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO START OF THE WORK. IF THE FIELD CONDITIONS ARE FOUND TO VARY FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PROCUREMENT AND INSTALLATION OF MATERIALS AND IMPROVEMENTS, CONTRACTOR SHALL NOT WILLFULLY PROCURE, INSTALL, CONSTRUCT OR REMOVE ITEMS AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS NECESSARY.
- THE CONTRACTOR SHALL PROTECT ALL STRUCTURES AND UNDERGROUND UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO STRUCTURES AND UTILITIES AS A RESULT OF CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
- ALL WORK HOUR RESTRICTIONS AS INDICATED IN THE CONTRACT DOCUMENTS OR AS APPROVED BY THE OWNER SHALL BE OBSERVED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE PARKING FOR PERSONNEL AND CONSTRUCTION VEHICLES AND EQUIPMENT WITHIN THE PROJECT SITE AT A LOCATION APPROVED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SECURITY OF CONSTRUCTION MATERIALS, EQUIPMENT AND FACILITIES.
- THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE PROJECT SITE AS THE WORK PROGRESSES AND DISPOSE OF IT PROPERLY. CONSTRUCTION MATERIALS SHALL BE STORED IN DESIGNATED AREAS AS APPROVED BY THE OWNER. THE HAULING AND DISPOSAL OF DEBRIS SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS OF THE AUTHORITY HAVING JURISDICTION.
- THE CONTRACTOR SHALL USE APPROVED HAUL ROUTES FOR ALL CONSTRUCTION TRAFFIC, AND SHALL SUBMIT A PLAN FOR SUCH HAUL ROUTES TO THE CONTRACTING OFFICER FOR APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL CAUSE MINIMUM DISRUPTION TO OWNER OPERATIONS.
- ANY STRUCTURES REMOVED BY THE CONTRACTOR DURING DEMOLITION AND RESTORATION OPERATIONS SHALL BE REINSTALLED IF INDICATED AND RESTORED TO THEIR ORIGINAL CONDITION.
- WHERE NEW GRADING IS NOT SHOWN OR INDICATED, MAINTAIN AND MEET EXISTING GRADES.
- PROVIDE ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES AROUND ALL DISTURBED AREAS AND TO PROTECT ALL STORM INLET STRUCTURES. THE CONTRACTOR SHALL NOT WASH CONTAMINATIONS FROM THE ASPHALT SURFACE INTO STORM SEWER.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PERFORMED IN CONFORMANCE WITH THE REQUIREMENTS OF THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK (VESH).
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND PERFORMANCE OF ALL DEWATERING, EARTH RETENTION SYSTEMS, AND UNDERPINNING OF EXISTING STRUCTURES AND UTILITIES.
- CONTRACTOR SHALL ENSURE THAT FINISHED ASPHALT OVERLAY SURFACE PROVIDES POSITIVE DRAINAGE AWAY FROM THE BUILDING, TOWARDS DRAINAGE STRUCTURES, AND THAT EXISTING DRAINAGE PATTERN AND DIRECTIONS ARE MAINTAINED BY THE FINISHED SURFACE.
- FOR UTILITIES OWNED BY UNICOD, THE CONTRACTOR SHALL FOLLOW THE UNICOD PROCESS FOR LOCATING UTILITIES. FOR ALL NON-QUANTICO OWNED UTILITIES, THE CONTRACTOR SHALL CONTACT MISS UTILITY AT 1-800-552-7001, PERFORM TEST PITS, REVIEW CURRENT TEST PIT DATA, AND PERFORM WHATEVER OTHER OPERATIONS NECESSARY TO ENSURE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES IN THE AREA OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER OF ANY POTENTIAL CONFLICTS PRIOR TO COMMENCING CONSTRUCTION.
- EMERGENCY VEHICLE ACCESS SHALL BE PROVIDED THROUGH THE SITE AND FACILITIES DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL USE ALL REASONABLE MEANS TO DIVERT CONSTRUCTION AND DEMOLITION WASTE FROM LANDFILLS AND INCINERATORS AND TO FACILITATE THEIR RECYCLING OR REUSE. THE OWNER MAY REQUIRE VALUABLE RECYCLABLE MATERIALS TO BE TURNED OVER TO THE GOVERNMENT AT THE DIRECTION OF THE CONTRACTING OFFICER.
- THE CONTRACTOR SHALL PRACTICE EFFICIENT WASTE MANAGEMENT WHEN SIZING, CUTTING AND INSTALLING PRODUCTS AND MATERIALS.
- THE LOCATION OF UNDERGROUND UTILITIES AS INDICATED ON THE PLANS HAS BEEN OBTAINED FROM EXISTING RECORDS AND FIELD SURVEYS. NEITHER THE GOVERNMENT NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATSOEVER WITH RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING CONSTRUCTION. SUB GRADE UTILITIES NOT FOUND IN AVAILABLE RECORD OR NON DETECTABLE FROM THE SURFACE MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING OFFICER OF HIS OPERATIONAL PLANS AND COORDINATE ALL UTILITIES WITH THE UTILITIES OWNER. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR DETAILED INFORMATION AND EMPLOYEE A PRIVATE UTILITY DESIGNATOR. CONTRACTOR SHALL VERIFY ALL CROSSING ELEVATIONS FOR ANY POSSIBLE CONFLICTS. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONTRACTING OFFICER ANY SUCH MAINS AND/OR SERVICES DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED IMMEDIATELY AT HIS EXPENSE TO THE SATISFACTION OF THE CONTRACTING OFFICER.
- CONTRACTOR SHALL IMMEDIATELY CEASE WORK, LEAVE THE AREA, AND NOTIFY THE CONTRACTING OFFICER IMMEDIATELY SHOULD ANY UNDERGROUND UNEXPLODED ORDINANCE BE DISCOVERED.

ABND	ABANDONED	REQD	REQUIRED
AC	AIR CONDITIONER	RET	RETAINING
Ac	ACRE	ROICC	RESIDENT OFFICER IN CHARGE OF CONSTRUCTION
AGIP	AT GRADE INLET PROTECTION	S	SOUTH
APPROX	APPROXIMATE	S/W	SIDEWALK
ARCH	ARCHITECTURAL	SAN	SANITARY SEWER
ASPH	ASPHALT	SCE	STABILIZED CONSTRUCTION ENTRANCE
BLDG	BUILDING	SD	STORM DRAIN
BOL	BOLLARD	SF	SILT FENCE
BW	BOTTOM OF WALL	STRUC	STRUCTURE
C&G	CURB AND GUTTER	SWM	STORMWATER MANAGEMENT
C.O	CLEAN OUT	T/TEL	TELEPHONE
CB	CATCH BASIN	TP	TOP OF CURB
CI	CAST IRON	TRANS	TREE PROTECTION
CIP	CULVERT/CURB INLET PROTECTION	TS	TRANSFORMER
CJ	CONSTRUCTION JOINT	TS	TOP OF STEP
CM	COLD MILLING	TYP	TYPICAL
CO	CONTRACTING OFFICER	UG	UNDERGROUND
COMM	COMMUNICATION	UST	UNDERGROUND STORAGE TANK
COMP	COMPRESSOR	UTIL	UTILITY
CONC	CONCRETE	V	VALVE
CONST	CONSTRUCTION	VAR	VARIABLE
COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE	VERT	VERTICAL
DATR	DEPICTED ACCORDING TO RECORD	W	WATER
DI	DROP INLET		
DIP	DUCTILE IRON PIPE		
DWG	DRAWING		
EL/ELEV	ELEVATION		
EL/ELEVC	ELECTRIC		
EP	EDGE OF PAVEMENT		
EQUIP	EQUIPMENT		
EX	EXISTING		
FDC	FIRE DEPARTMENT CONNECTION		
FF	FINISH FLOOR		
FH	FIRE HYDRANT		
FL	FLOW LINE		
FM	FORCE MAIN		
FC	FACE OF CURB		
FP	FLAG POLE		
GEN	GENERATOR		
GV	GAS VALVE		
HDPE	HIGH DENSITY POLYETHYLENE		
HOR	HORIZONTAL		
HP	HIGH POINT		
HPR	HIGH PRESSURE RETURN		
HPS	HIGH PRESSURE SUPPLY		
IN	INCH		
INV	INVERT		
IPS	IRON PIPE SET		
LBS	POUNDS		
LOD	LIMITS OF DISTURBANCE		
MAINT	MAINTENANCE		
MAX	MAXIMUM		
MECH	MECHANICAL		
MG	MATCH GRADE		
MH	MANHOLE		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
G	GAS LINE		
NIC	NOT IN CONTRACT		
NO/#	NUMBER		
NTS	NOT TO SCALE		
OC	ON CENTER		
OD	OUTSIDE DIAMETER		
OH	OVERHEAD		
PED	PEDESTRIAN		
PIV	POST INDICATOR VALVE		
PP	POWER POLE		
PROP	PROPOSED		
PVC	POLYVINYL CHLORIDE		
PVMT	PAVEMENT		
R	RADIUS		
RCP	REINFORCED CONCRETE PIPE		
RD	ROOF DRAIN		

SYMBOLS

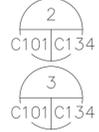


DATE	
DESCRIPTION	
DATE	
DESCRIPTION	
SUMMER CONSULTANTS INCORPORATED 7800 Westpark Drive Suite 400S Mechanicsville, VA 22102 (703) 556-9820 www.summerconsultants.com	
APPROVED: _____ FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE	14/01/16
DESIGNED BY	SRC
DRAWN BY	JAD
BRANCH MANAGER	
CHIEF ENGINEER	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON MARINE CORPS BASE, QUANTICO, VIRGINIA MARINE CORPS BASE QUANTICO QUANTICO, VA P714 REPAIR OCS ELECTRIC SYSTEM SUBSTATION, CONDUITS, AND CABLES GENERAL NOTES AND LEGEND	
SCALE:	AS NOTED
PROJECT NO.:	QU1536M
CONSTR. CONTR. NO.:	
NAVFAC DRAWING NO.:	3189916
SHEET	7 OF 105
C-100 <small>DRAWING REVISION: 10 MARCH 2009</small>	



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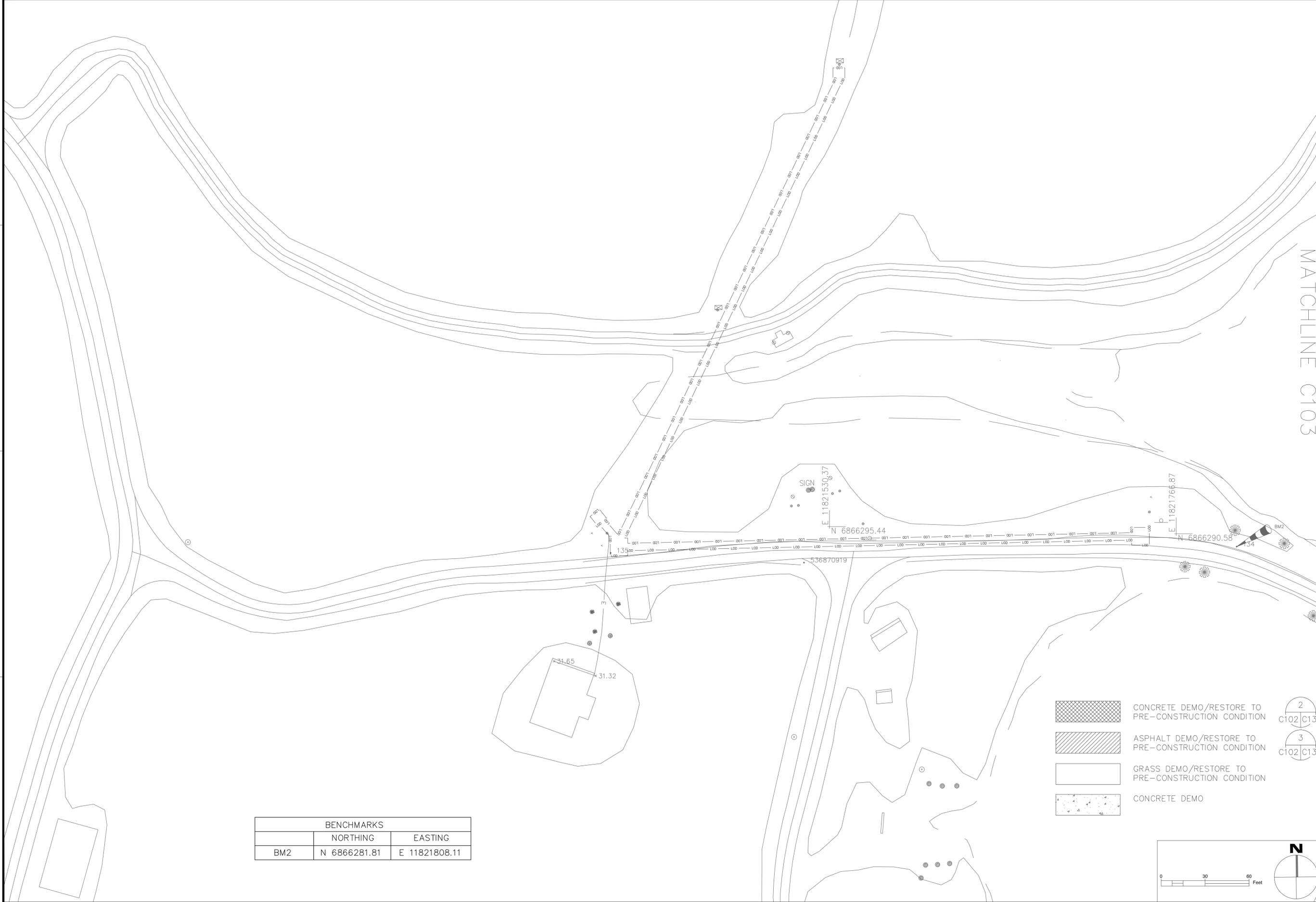
- CONCRETE DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- ASPHALT DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- GRASS DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- CONCRETE DEMO



MATCHLINE C103

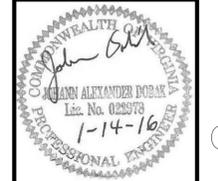
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	DATE: APR DATE: APR
SUMMER CONSULTANTS INCORPORATED <small>7800 Westpark Drive Suite 4005 Mechanicsville, VA 22092 (703) 526-9820 www.summerconsultants.com</small>	
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APPROVED	
FOR COMMANDER NAVFAC	
ACTIVITY	
SATISFACTORY TO DATE 14/01/16	
DESIGNED BY SRC	DRW BY SRC
CHK BY SRC	JAD
BRANCH MANAGER	
CHIEF ENGINEER	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON RESIDENT OFFICER IN CHARGE OF CONSTRUCTION MARINE CORPS BASE QUANTICO QUANTICO, VA P714 REPAIR OCS ELECTRIC SYSTEM SUBSTATION, CONDUITS, AND CABLES DEMOLITION/RESTORATION PLAN	
SCALE: AS NOTED	
PROJECT NO.: QU1536M	
CONSTR. CONTR. NO.	
NAVFAC DRAWING NO. 3189917	
SHEET 8 OF 105	
C-101	
<small>DRAWING REVISION: 10 MARCH 2009</small>	



BENCHMARKS		
	NORTHING	EASTING
BM2	N 6866281.81	E 11821808.11

DATE	DESCRIPTION	APP



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 DULLES, VA 20188
 (703) 451-9890
 www.alpha-corporation.com

APPROVED
 FOR COMMANDER NAVFAC
 ACTIVITY
 SATISFACTORY TO DATE 14/01/16
 DES SRC/NPTJ DRW SRC CHK JAD
 BRANCH MANAGER
 CHIEF ENGBACH

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
 RESIDENT OFFICER IN CHARGE OF CONSTRUCTION
 MARINE CORPS BASE QUANTICO
 QUANTICO, VA

**P714 REPAIR OCS ELECTRIC SYSTEM
 SUBSTATION, CONDUITS, AND CABLES**

DEMOLITION/RESTORATION PLAN

SCALE: AS NOTED
 EPROJCT NO.: QU1536M
 CONSTR. CONTR. NO.
 NAVFAC DRAWING NO. 3189918
 SHEET 9 OF 105

C-102

DRAWN/REVISION: 10 MARCH 2009

MATCHLINE C103

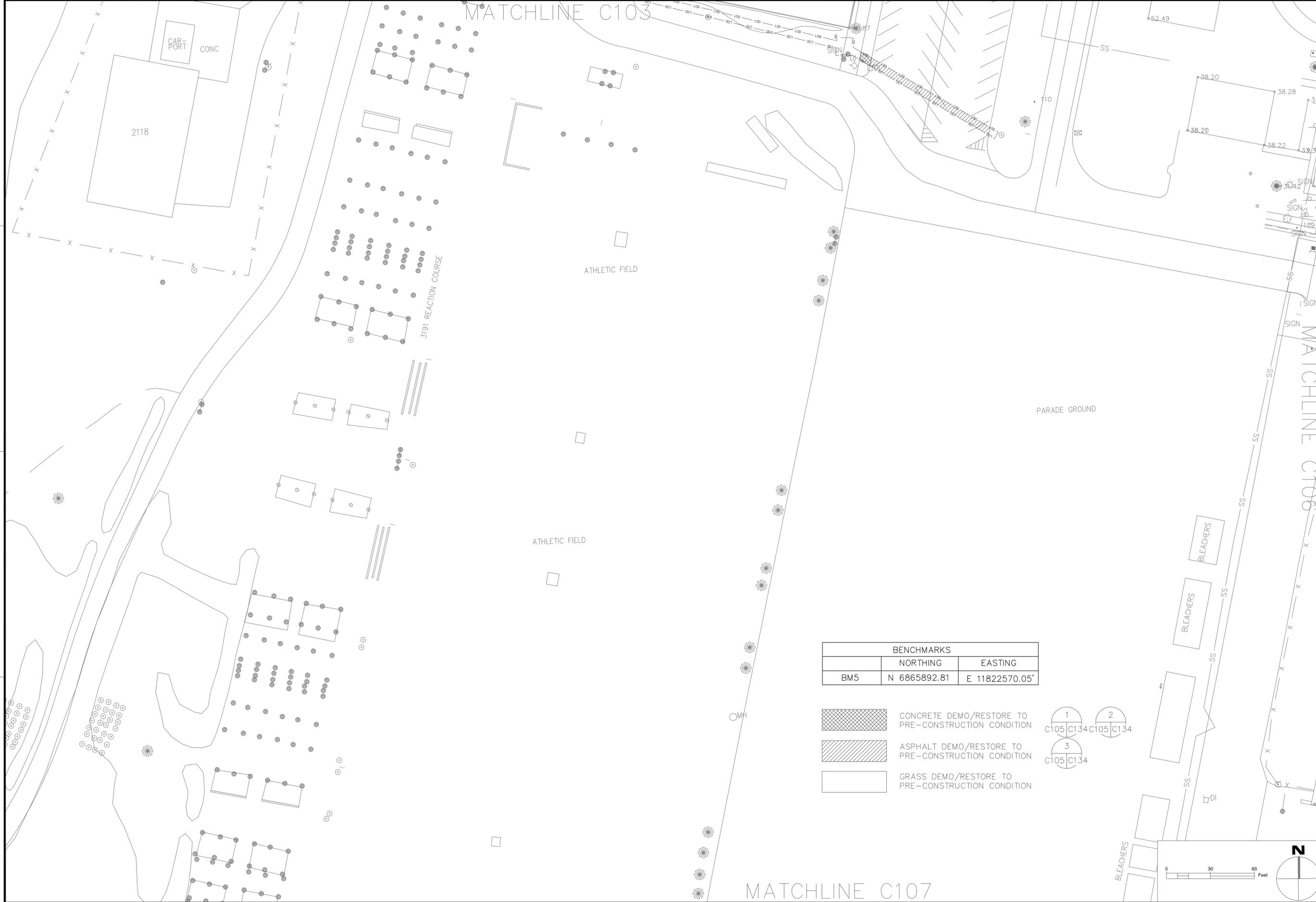


- CONCRETE DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- ASPHALT DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- GRASS DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- GRAVEL DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION

BENCHMARKS		
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1
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 2
 3
 C103 C134

<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND RESIDENT OFFICER IN CHARGE OF CONSTRUCTION MARINE CORPS BASE QUANTICO P714 REPAIR OCS ELECTRIC SYSTEM SUBSTATION, CONDUITS, AND CABLES QUANTICO, VA</p>	<p>DATE: _____ APPR: _____ DATE: _____ DESCRIPTION: _____</p> <p>SUMMER CONSULTANTS INCORPORATED <small>7800 Westpark Drive Suite 400S Mechanicsville, VA 22102 (703) 556-8820 www.summerconsultants.com</small></p> <p>ALPHA CORPORATION <small>21511 RUSTON CIRCLE SUITE 200 DULLES, VA 20188 (703) 451-8890 www.alphacorporation.com</small></p> <p>APPROVED: _____ FOR COMMANDER NAVFAC</p> <p>ACTIVITY: _____</p> <p>SATISFACTORY TO DATE: 14/01/16 DES: SRC/NPT DRW: SRC CHK: JAD</p> <p>BRANCH MANAGER: _____ CHIEF: ENGARCH</p>
<p>SCALE: AS NOTED EPROJECT NO.: QU1536M CONSTR. CONTR. NO.: _____</p> <p>NAVFAC DRAWING NO.: 3189919 SHEET 10 OF 105</p> <p style="text-align: right; font-weight: bold; font-size: 1.2em;">C-103</p> <p style="font-size: 0.8em;">DRAWFORM REVISION: 10 MARCH 2009</p>	



BENCHMARKS		
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- CONCRETE DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- ASPHALT DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- GRASS DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION

1
C105 C134 C105 C134

2

3
C105 C134

<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND RESIDENT OFFICER IN CHARGE OF CONSTRUCTION MARINE CORPS BASE QUANTICO, VIRGINIA</p> <p>P714 REPAIR OCS ELECTRIC SYSTEM SUBSTATION, CONDUITS, AND CABLES</p> <p>DEMOLITION/RESTORATION PLAN</p>	<p>DATE: APR 16</p> <p>DESCRIPTION: 3191 REACTION COURSE</p> <p>NAVAC</p> <p>COMMANDEER HEALTH CARE JANN ALEXANDER BOBAR Lic. No. 028978 1-14-16 PROFESSIONAL ENGINEER</p> <p>SUMMER CONSULTANTS INCORPORATED 7800 Westpark Drive Suite 400 Mechanicsville, VA 23102 (703) 526-8820 www.summerconsultants.com</p> <p>ALPHA CORPORATION 21551 RIDGE TOP CIRCLE SUITE 200 DULLES, VA 20186 (703) 445-9890 www.alphacorporation.com</p> <p>APPROVED FOR COMMANDER NAVAC</p> <p>ACTIVITY</p> <p>SATISFACTORY TO DATE: 14/01/16</p> <p>DESIGNED BY: SRCNPT DRAWN BY: SRC CHECKED BY: JAD</p> <p>BRANCH MANAGER: CHIEF ENGARCH</p>
<p>SCALE: AS NOTED</p> <p>PROJECT NO.: QU1536M</p> <p>CONSTR. CONTR. NO.</p> <p>NAVAC DRAWING NO.: 3189921</p> <p>SHEET 12 OF 105</p> <p>C-105</p> <p><small>DRAWING REVISION: 10 MARCH 2009</small></p>	

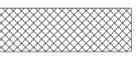
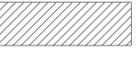
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PARADE GROUND

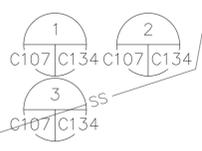
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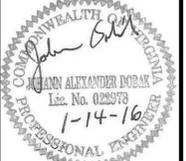
MATCHLINE C108



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-  CONCRETE DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
-  ASPHALT DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
-  GRASS DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION



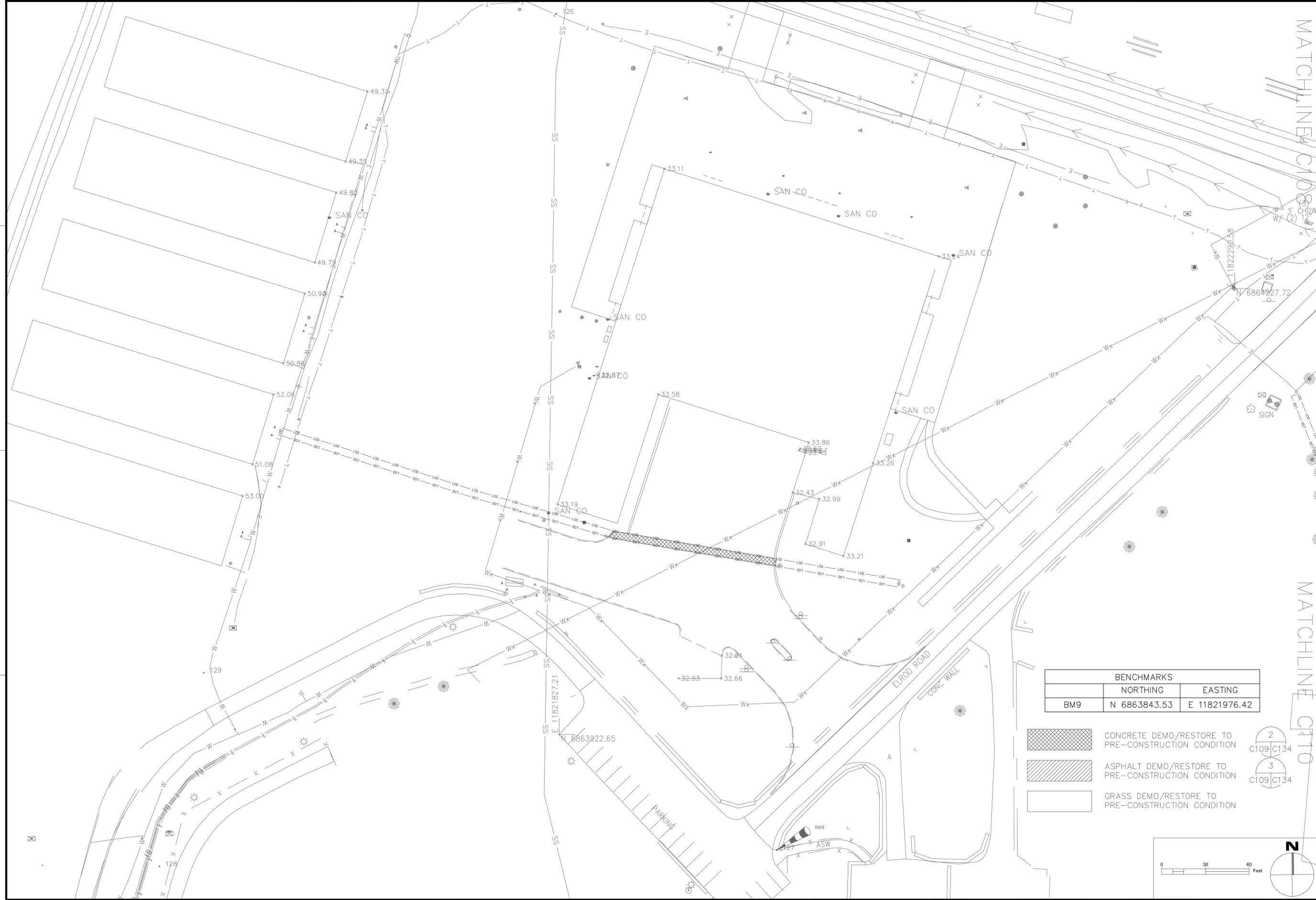
<p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <p>SATISFACTORY TO DATE 14/01/16</p> <p>DES SRC/NPT DRW SRC CHK JAD</p> <p>BRANCH MANAGER</p> <p>CHIEF ENGINEER</p>	<p>DATE</p> <p>DESCRIPTION</p>
	
	
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<p>DEPARTMENT OF THE NAVY</p> <p>NAVAL FACILITIES ENGINEERING COMMAND</p> <p>RESIDENT OFFICER IN CHARGE OF CONSTRUCTION</p> <p>MARINE CORPS BASE QUANTICO, VIRGINIA</p> <p>P714 REPAIR OCS ELECTRIC SYSTEM SUBSTATION, CONDUITS, AND CABLES</p> <p>DEMOLITION/RESTORATION PLAN</p>	
<p>SCALE: AS NOTED</p> <p>PROJECT NO: QU1536M</p> <p>CONSTR. CONTR. NO.</p> <p>NAVFAC DRAWING NO. 3189923</p> <p>SHEET 14 OF 105</p> <p>C-107</p> <p>DRAWING REVISION: 10 MARCH 2009</p>	



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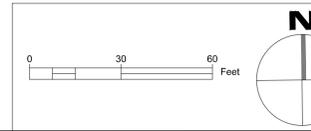
-  CONCRETE DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
-  ASPHALT DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
-  GRASS DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
-  GRAVEL DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION

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<small>APPROVED FOR COMMANDER NAVFAC</small> ACTIVITY:	
SATISFACTORY TO DATE: 14/01/16 DES: SRC/NPT DRAW: SRC CHECK: JAD	
BRANCH MANAGER: CHIEF ENGARCH	
NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON RESIDENT OFFICER IN CHARGE OF CONSTRUCTION MARINE CORPS BASE QUANTICO P714 REPAIR OCS ELECTRIC SYSTEM SUBSTATION, CONDUITS, AND CABLES DEMOLITION/RESTORATION PLAN	
SCALE: AS NOTED EPROJECT NO.: QU1536M CONSTR. CONTR. NO.: NAVFAC DRAWING NO.: 3189924 SHEET 15 OF 105 C-108 <small>DRAWING REVISION: 10 MARCH 2009</small>	



BENCHMARKS		
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- CONCRETE DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- ASPHALT DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- GRASS DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION

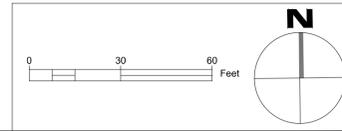
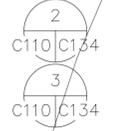


<p style="writing-mode: vertical-rl; transform: rotate(180deg);">MATCHLINE C108/C109</p> <p>SUMMER CONSULTANTS INCORPORATED <small>7800 Westpark Drive Suite A405 McLean, VA 22102 (703) 556-9820 www.summerconsultants.com</small></p> <p><small>ALPHA CORPORATION 21351 RIBBETOP CIRCLE SUITE 200 DULLES, VA 20186 (703) 443-9800 www.alphacorporation.com</small></p> <p>APPROVED</p> <p>FOR COMMANDER NAVFAC</p> <p>ACTIVITY</p> <p>SATISFACTORY TO DATE 14/01/16</p> <p>DES SRC/NPT DRW SRC CHK JAD</p> <p>BRANCH MANAGER</p> <p>CHIEF ENGINEER</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">MATCHLINE C109/C110</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON RESIDENT OFFICER IN CHARGE OF CONSTRUCTION MARINE CORPS BASE QUANTICO QUANTICO, VA</p> <p>P714 REPAIR OCS ELECTRIC SYSTEM SUBSTATION, CONDUITS, AND CABLES</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">DEMOLITION/RESTORATION PLAN</p> <p>SCALE: AS NOTED</p> <p>PROJECT NO.: QU1536M</p> <p>CONSTR. CONTR. NO.</p> <p>NAVFAC DRAWING NO. 3189925</p> <p>SHEET 16 OF 105</p> <p>C-109</p> <p style="font-size: 8px;">DRAWING REVISION: 10 MARCH 2009</p>
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BENCHMARKS		
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BM10	N 6864103.41	E 11823014.08

- CONCRETE DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- ASPHALT DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION
- GRASS DEMO/RESTORE TO PRE-CONSTRUCTION CONDITION



REV	DATE	DESCRIPTION



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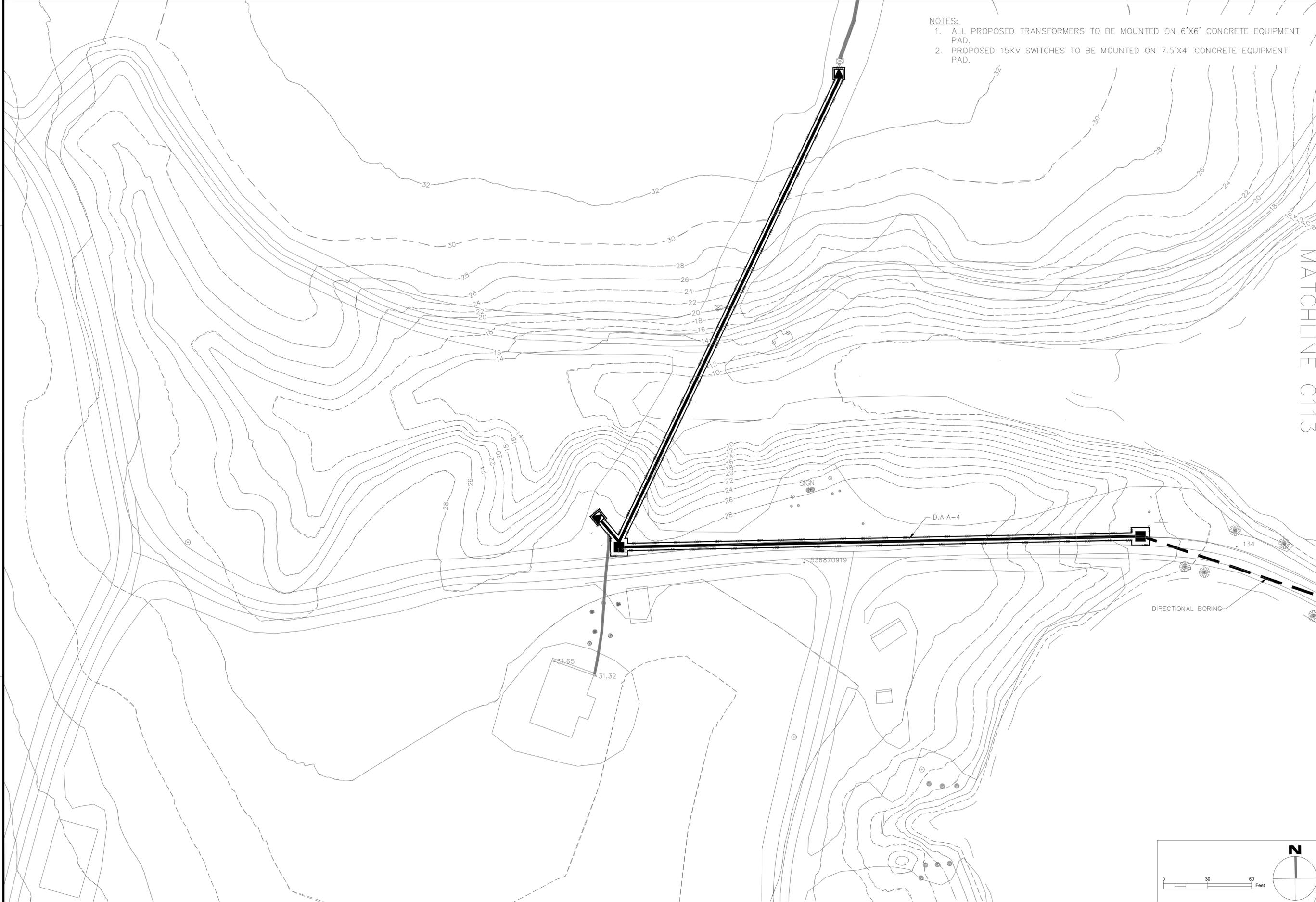
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 SATISFACTORY TO DATE 14/01/16
 DES SRC/NPT/DRW SRC CHK JAD
 BRANCH MANAGER
 CHIEF ENGARCH

DEPARTMENT OF THE NAVY
 NAVAL FACILITIES ENGINEERING COMMAND
 NAVAL FACILITIES ENGINEERING COMMAND - WASHINGTON
 RESIDENT OFFICER IN CHARGE OF CONSTRUCTION
 MARINE CORPS BASE, QUANTICO, VIRGINIA
 QUANTICO, VA
**P714 REPAIR OCS ELECTRIC SYSTEM
 SUBSTATION, CONDUITS, AND CABLES**
 DEMOLITION/RESTORATION PLAN

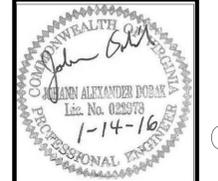
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 PROJECT NO: QU1536M
 CONSTR. CONTR. NO.
 NAVFAC DRAWING NO. 3189926
 SHEET 17 OF 105
C-110

DRAWING REVISION: 10 MARCH 2009



- NOTES:
1. ALL PROPOSED TRANSFORMERS TO BE MOUNTED ON 6'X6' CONCRETE EQUIPMENT PAD.
 2. PROPOSED 15KV SWITCHES TO BE MOUNTED ON 7.5'X4' CONCRETE EQUIPMENT PAD.

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**P714 REPAIR OCS ELECTRIC SYSTEM
 SUBSTATION, CONDUITS, AND CABLES**

NAVAL FACILITIES ENGINEERING COMMAND
 MARINE CORPS BASE QUANTICO
 QUANTICO, VA

SCALE: AS NOTED

PROJECT NO.: QU1536M

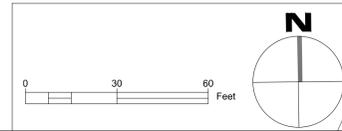
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NAVFAC DRAWING NO. 3189928

SHEET 19 OF 105

C-112

DRAWN/FORM REVISION: 10 MARCH 2009



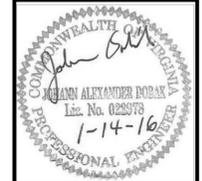
MATCHLINE C113



- NOTES:
1. ALL PROPOSED TRANSFORMERS TO BE MOUNTED ON 6'X6' CONCRETE EQUIPMENT PAD.
 2. PROPOSED 15KV SWITCHES TO BE MOUNTED ON 7.5'X4' CONCRETE EQUIPMENT PAD.

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LARSON GYM

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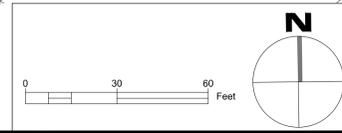
**P714 REPAIR OCS ELECTRIC SYSTEM
 SUBSTATION, CONDUITS, AND CABLES**

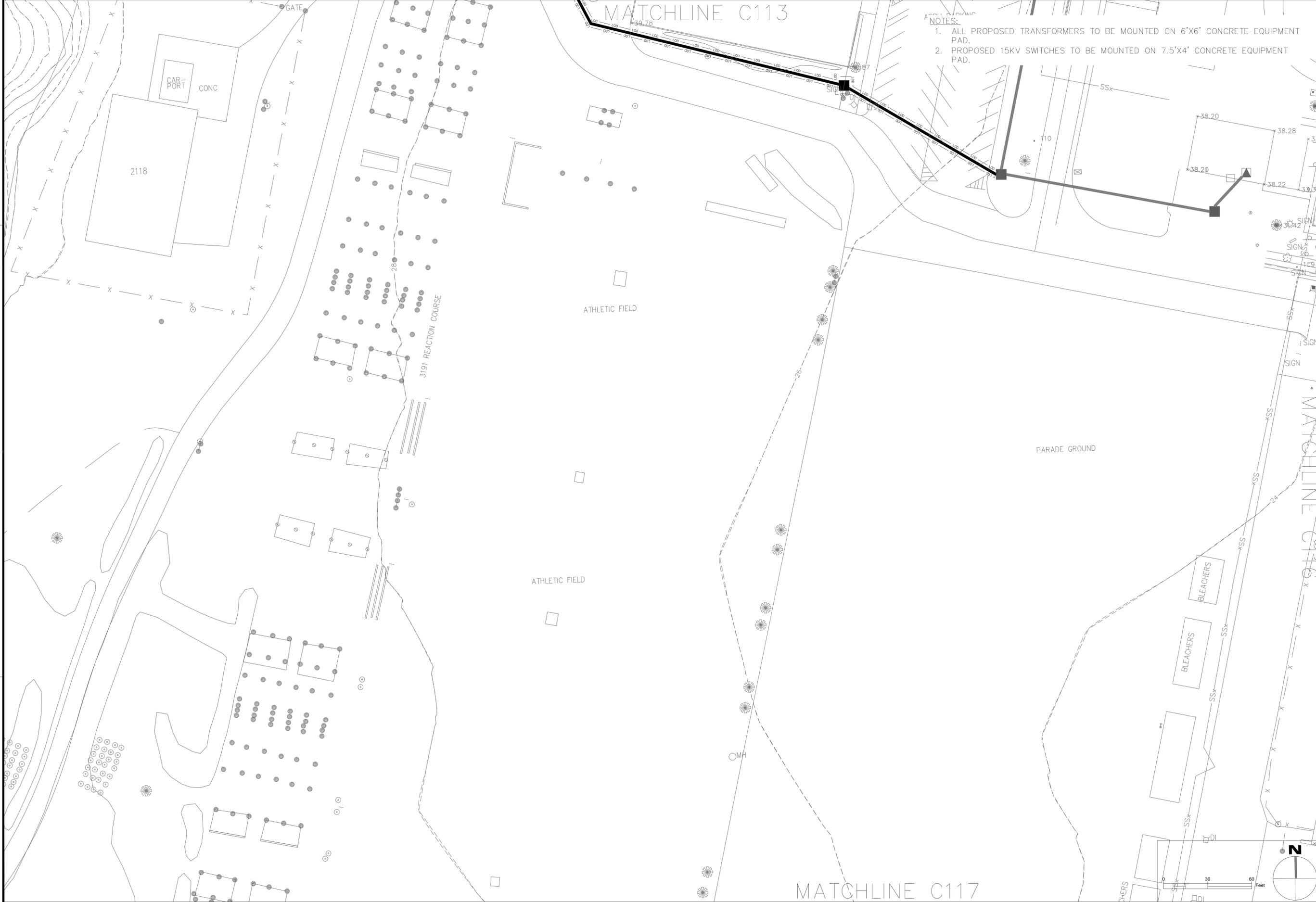
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 CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 3189930
 SHEET 21 OF 105

C-114

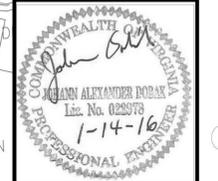
DRAWFORM REVISION: 10 MARCH 2009





- NOTES:
1. ALL PROPOSED TRANSFORMERS TO BE MOUNTED ON 6'X6' CONCRETE EQUIPMENT PAD.
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CHIEF ENGINEER

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 QUANTICO, VA

**P714 REPAIR OCS ELECTRIC SYSTEM
 SUBSTATION, CONDUITS, AND CABLES**

SCALE: AS NOTED
 PROJECT NO.: QU1536M
 CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 3189931
 SHEET 22 OF 105

C-115

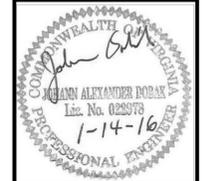
DRAWING REVISION: 10 MARCH 2009

SITE UTILITY PLAN



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 QUANTICO, VA

**P714 REPAIR OCS ELECTRIC SYSTEM
 SUBSTATION, CONDUITS, AND CABLES**

SITE UTILITY PLAN

SCALE: AS NOTED

PROJECT NO.: QU1536M

CONSTR. CONTR. NO.

NAVFAC DRAWING NO. 3189932

SHEET 23 OF 105

C-116

DRAWING REVISION: 10 MARCH 2009

