three inches = one foot
one and one-half inches = one foot
one inch = one foot
three-quarters inch = one foot
one-half inch = one foot
three-eighths inch = one foot
one-quarter inch = one foot
one-eighth inch = one foot
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P:\248663\DRAWINGS\248663 PRIOR SUBMISSIONS\2010-03-23 (FINAL)\248663-C01.DWG

GENERAL NOTES

1. ALL WORK, MATERIALS AND WORKMANSHIP SHALL BE PERFORMED IN STRICT ACCORDANCE WITH, AND SHALL CONFORM WITH, ALL FEDERAL, STATE AND LOCAL CODES, ORDINANCES, RULES AND REGULATIONS, TO THE PUBLISHED SPECIFICATIONS AND RECOMMENDED PRACTICES OF THE MANUFACTURERS AND THE APPROPRIATE APPLICABLE STANDARDS. WHERE SUCH CODES, RULES AND REGULATIONS ARE AT VARIANCE WITH THE PLANS AND NOTES, SAID CODES, RULES AND REGULATIONS, ETC. SHALL TAKE PRECEDENCE OVER THE PLANS AND NOTES.
2. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE BUILDING CODES AND/OR REGULATIONS AND PAYING FOR AND OBTAINING ALL NECESSARY AND REQUIRED INSPECTIONS, APPROVALS AND PERMITS, NECESSARY TO PERFORM ALL WORK AND SERVICES HEREIN NOTED OR INDICATED ON THE DRAWINGS & SPECIFICATIONS.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE AND SHALL REPORT ANY DISCREPANCIES TO THE GOVERNMENT PRIOR TO STARTING CONSTRUCTION. COMMENCEMENT OF THE WORK BY THE CONTRACTOR SHALL IMPLY HIS ACCEPTANCE OF ALL EXISTING CONDITIONS.
4. ALL WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE NOISE, DUST, OR DISTURBANCE TO OCCUPANTS, ADJACENT SITES OR BUILDINGS.
5. THE CONTRACTOR SHALL PROVIDE PROTECTION FOR THE GENERAL PUBLIC AND CONSTRUCTION WORKERS IN AND AROUND THE CONSTRUCTION SITE. ADEQUATE BARRIERS SHALL BE PROVIDED TO EXERCISE CONTROL OF SAFE INGRESS AND EGRESS OF PREMISES. FIRE EXITS SHALL AT NO TIME BE BLOCKED.
6. UNLESS OTHERWISE DIRECTED OR APPROVED BY THE GOVERNMENT, ALL EXCAVATIONS OVER FIVE (5) FEET IN DEPTH SHALL BE PROVIDED WITH TEMPORARY SHEETING AND SHORING AND SUPPORTED WITH DESIGN CALCULATION DULY SIGNED/SEALED BY REGISTERED PROFESSIONAL ENGINEER IN STATE OF NJ. OPEN TRENCH EXCAVATIONS SHALL ALWAYS BE PLATED OVER FOR SAFETY AND PROTECTION.
7. DETAILS ON THE DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT. DETAILS NOTED "TYP." IMPLY ALL CONDITIONS TREATED SIMILARLY.
8. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE CONSIDERED INCLUDED AS IF THEY WERE INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL FULLY FAMILIARIZE HIMSELF WITH THE CONDITIONS RELATING TO THE CONSTRUCTION AND LABOR UNDER WHICH THE WORK WILL BE PERFORMED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS. FAILURE TO DO SO WILL NOT RELIEVE CONTRACTOR OF HIS OBLIGATION TO FURNISH ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO CARRY OUT THE PROVISIONS OF THE CONTRACT DOCUMENTS AND TO COMPLETE THE WORK FOR THE CONSIDERATION SET FORTH IN HIS BID. EACH CONTRACTOR, IN THE CARRYING OUT OF HIS WORK, SHALL EMPLOY SUCH CONSTRUCTION METHODS OR MEANS THAT WILL NOT CAUSE ANY INTERRUPTIONS OR INTERFERENCE WITHIN THE WORK OF ANY OTHER.
10. CONTRACTOR SHALL PROVIDE APPROPRIATE SOIL CONSERVATION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION IN ACCORDANCE WITH THE PROVISIONS OF STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
11. ALL BUILDINGS SHALL REMAIN ACCESSIBLE TO THE GOVERNMENT AT ALL TIMES.
12. CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING ITEMS TO REMAIN AND SHALL BE RESPONSIBLE TO REPAIR AND/OR REPLACE ANY DAMAGED ITEMS DURING COURSE OF CONSTRUCTION AND RESTORE SUCH DAMAGES TO THE SATISFACTION OF CONTRACTING OFFICER TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST THE THE GOVERNMENT.
13. THE APPROVAL BY THE CONTRACTING OFFICER OF SUBMITTALS SHALL NOT BE CONSTRUED AS A COMPLETE CHECK, BUT WILL INDICATE ONLY THAT THE GENERAL METHOD OF CONSTRUCTION, MATERIALS, DETAILING AND OTHER INFORMATION ARE SATISFACTORY. APPROVAL WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ANY ERROR, WHICH MAY EXIST, AS THE CONTRACTOR IS RESPONSIBLE FOR THE DETAILS AND SATISFACTORY CONSTRUCTION OF ALL WORK.
14. SUBMITTALS SHALL BE IN COMPLIANCE WITH CONTRACT REQUIREMENTS AND ACTUAL FIELD CONDITIONS, FIELD VERIFIED CONSTRUCTION AND INSTALLATION REQUIREMENTS. INCOMPLETE SUBMITTALS SHALL NOT BE EXCUSED, BUT INSTEAD, SHALL BE REVIEWED AND RETURNED TO THE CONTRACTOR FOR FULL COMPLIANCE AS PER TERMS OF CONTRACT.
15. REPRODUCED CONTRACT DRAWINGS WILL NOT BE ACCEPTED AS SHOP DRAWINGS.
16. REMOVE, REROUTE, RECONNECT OR RELOCATE ALL ITEMS TO REMAIN THAT INTERFERE WITH DEMOLITION OR CONSTRUCTION WORK AS PART OF THIS CONTRACT, AT NO ADDITIONAL COST TO THE GOVERNMENT.
17. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT THE EXISTING PAVEMENT COMPOSITION AND THICKNESS VARY THROUGHOUT THE PROJECT SITE.
18. ALL EXCAVATION IN THE IMMEDIATE AREA OF EXISTING UTILITIES SHALL BE PERFORMED BY HAND AND WITH UTMOST CARE TO PROTECT THE UTILITIES.
19. THE CONTRACTOR SHALL OBTAIN A DIG PERMIT FROM THE VA FACILITY MANAGER PRIOR TO DIGGING.
20. THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES, INCLUDING, BUT NOT LIMITED TO, STEAM AND CONDENSATE LINES, WATER LINES, SEWERS, DRAINS, AND ELECTRICAL AND COMMUNICATIONS CONDUITS HAVE BEEN INDICATED BASED ON THE BEST AVAILABLE INFORMATION PROVIDED BY THE GOVERNMENT. IT IS POSSIBLE THAT THE ACTUAL SUBSURFACE UTILITIES AND PIPING MAY VARY FROM THAT INDICATED. THEREFORE, PRIOR TO STARTING WORK IN ANY AREA, THE CONTRACTOR SHALL PERFORM A UTILITY MARK-OUT AND TAKE ALL NECESSARY STEPS TO DETERMINE THE ACTUAL LOCATIONS AND ELEVATIONS OF ALL EXISTING UNDERGROUND PIPING, CONDUITS, AND STRUCTURES, AT NO ADDITIONAL COST TO THE GOVERNMENT. THE CONTRACTOR SHALL CARRY OUT THE OPERATIONS IN SUCH A MANNER AS TO PREVENT INTERFERENCE WITH LINES WHICH ARE TO REMAIN UNDISTURBED. ANY SUCH PIPE OR CONDUIT OR STRUCTURE DISTURBED IN THE COURSE OF THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED IMMEDIATELY BY THE CONTRACTOR AS DIRECTED BY THE CONTRACTING OFFICER AT NO EXTRA COST TO THE GOVERNMENT.
21. THE CONTRACTOR IS ADVISED THAT EXISTING STORM SEWER PIPES SHOWN ON THE PLANS WERE LOCATED BY VIDEO INSPECTION OF PIPES. THEIR LOCATIONS ARE APPROXIMATE AND INCOMPLETE.
22. PROTECT ALL UTILITIES AND OTHER STRUCTURES DURING EXCAVATION AND BACKFILL OPERATIONS. ANY DAMAGE TO ANY EXISTING UTILITIES AND STRUCTURES CAUSED BY THE CONTRACTOR'S WORK SHALL BE IMMEDIATELY REPORTED TO THE CONTRACTING OFFICER AND REPAIRED TO THEIR ORIGINAL CONDITION BY QUALIFIED PERSONNEL AT THE CONTRACTORS EXPENSE. THE CONTRACTOR SHALL NOT INTERFERE WITH, OR INTERRUPT, ANY UTILITY MAIN OR SERVICE CONNECTION WITHOUT PRIOR APPROVAL FROM THE CONTRACTING OFFICER.
23. IN CASE CONFLICT ARISES BETWEEN DRAWING AND SPECIFICATION, THE SPECIFICATION ALONG WITH ALL APPLICABLE CODES AND STANDARDS SHALL TAKE PRECEDENCE OVER DRAWINGS.
24. VA WILL APPLY FOR DESIGN APPROVAL PERMITS AS REQUIRED. CONTRACTOR SHALL APPLY FOR ALL CONSTRUCTION PERMITS AS REQUIRED.
25. ALL MATERIALS REMOVED SHALL BE DISPOSED OFF SITE BY LEGAL MEANS WITH APPROVAL OF THE GOVERNMENT AT CONTRACTOR'S OWN COST. MATERIAL REQUIRED FOR REUSE SHALL BE STORED ON SITE AND PROTECTED FROM DAMAGE AS DIRECTED BY THE CONTRACTING OFFICER.
26. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING VEHICULAR ACCESS TO ALL BUILDINGS AT ALL TIMES. PRIOR TO ANY DEMOLITION OR CONSTRUCTION ADJACENT TO OR ACROSS TRAVELLED WAYS, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND MAINTENANCE PLAN TO THE CONTRACTING OFFICER FOR REVIEW AND APPROVAL. THE PLAN SHALL INCLUDE METHODS AND DETAILS FOR DIRECTING TRAFFIC INCLUDING, BUT NOT LIMITED TO, SIGNAGE AND/OR FLAG MEN.
27. CONDUITS TO BE ABANDONED SHALL BE CAPPED AT OPEN ENDS BY A PERMANENT CAP MATCHING THE CONDUIT MATERIAL.
28. UNLESS DIRECTED OTHERWISE BY THE CONTRACTING OFFICER, WHERE NEW CONDUIT IS TO BE CONSTRUCTED ACROSS PAVED ROADWAYS AND/OR ADJACENT CURBS AND SIDEWALKS, THE CONTRACTOR SHALL JACK OR BORE THE NEW CONDUIT UNDERGROUND TO PREVENT DISTURBANCE OF THE SURFACE. THE CONTRACTOR SHALL SUBMIT BORING AND/OR JACKING PLANS, DETAILS, AND SPECIFICATIONS FOR REVIEW AND APPROVAL BY THE CONTRACTING OFFICER PRIOR TO COMMENCEMENT OF SUCH WORK. PAVEMENT DEMOLITION IN ROADWAYS SHALL NOT BE PERFORMED WHERE CONDUITS ARE CONSTRUCTED VIA JACKING OR BORING.

REFERENCES

1. UTILITY SURVEY, LYONS V.A. HOSPITAL PREPARED FOR: STAUNTON CHOW, LOCATED IN: LYONS, N.J., DATED 03/28/08 PREPARED BY PAUL J. EMELIUS, JR., NJPLS No. 37186, GEOD CORPORATION, NEWFOUNDLAND, NJ.
2. PROGRESS PLAN, STORM LINE LOCATIONS, VAMC CAMPUS, LYONS, NJ, DATED 04/15/08, BASED ON GEOD SURVEY THROUGH 03/28/08 AND AMERICAN INSPECTION TECHNOLOGIES CCTV INSPECTIONS THROUGH 03/28/08, PREPARED BY GEOD CORPORATION, NEWFOUNDLAND, NJ.
3. PARTIAL TOPOGRAPHIC SURVEY OF BLOCK 8001 – LOT 3 – IN BERNARDS TOWNSHIP, SOMERSET COUNTY, NEW JERSEY, DATED 10/13/2009, PREPARED BY PAMELA L. MATHEWS, NJPLS No. 41481, HATCH MOTT MACDONALD, HAMPTON, NJ, BASED ON A FIELD SURVEY MADE ON 9/28/2009
4. ELEVATIONS SHOWN HEREON ARE REFERENCED TO NGVD 1929 DATUM

BID ITEMS AND ALTERNATE BID ITEMS

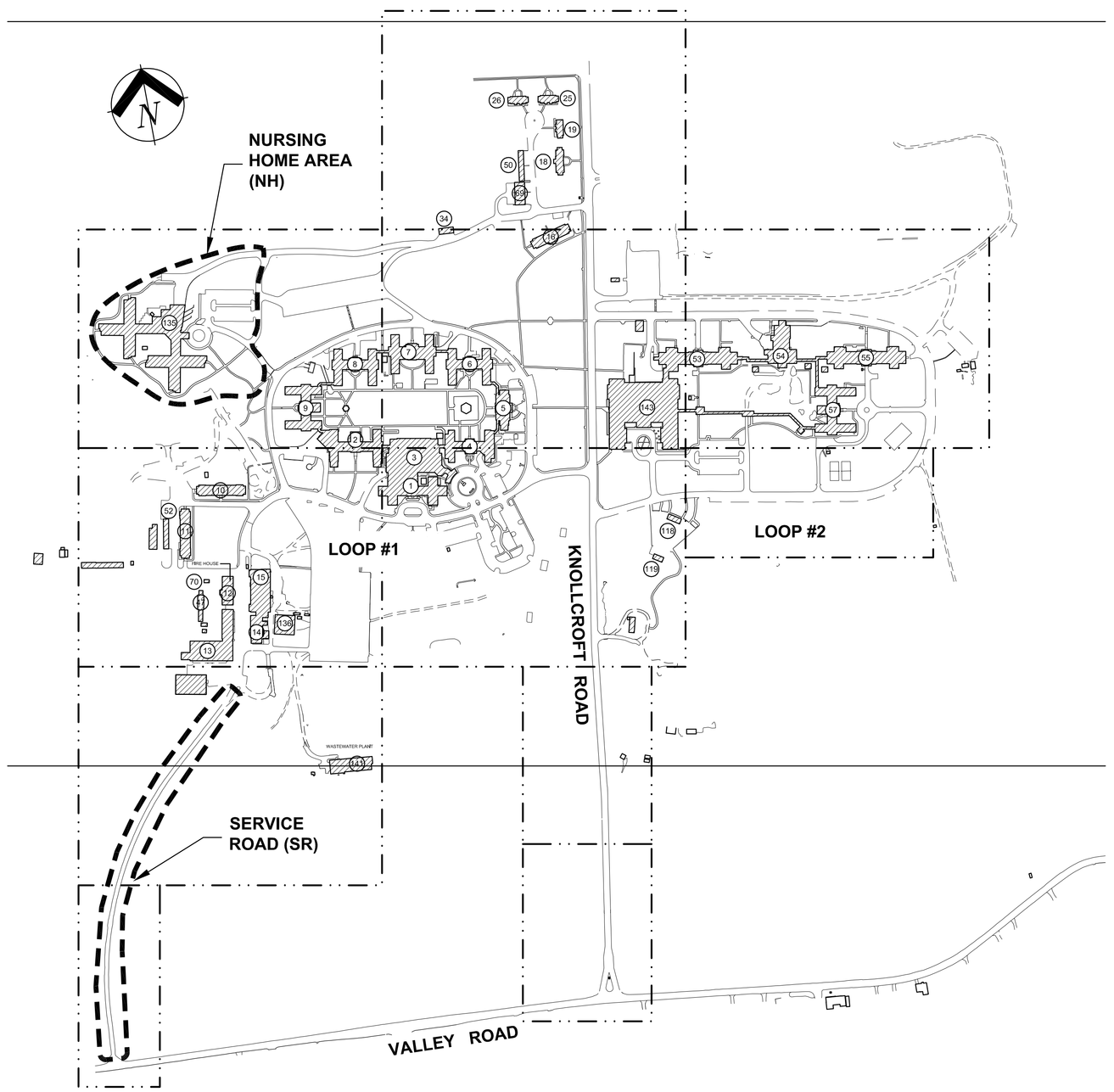
A. BASE BID (BB), SITE LIGHTING SYSTEM: WORK INCLUDES INSTALLATION OF NEW LIGHT POLES, PANELS, FEEDERS/CIRCUITS, GENERAL CONSTRUCTION, ALTERATIONS, ROADS, WALKS, GRADING AND, NECESSARY REMOVAL OF EXISTING STRUCTURES AND CONSTRUCTION AND CERTAIN OTHER ITEMS FOR THE ENTIRE CAMPUS ON BOTH SIDES OF KNOLLCROFT ROAD (LOOP #1 AND LOOP #2),

B. ALTERNATE BID ITEM NO.1 (ABI#1): WORK INCLUDES BASE BID (BB) MINUS WORK ASSOCIATED WITH SERVICE ROAD (SR). PROVIDE A SEPARATE PRICE FOR THE SITE LIGHTING WORK SHOWN ON THE DRAWING AS ABI#1. THE VA RESERVES THE RIGHT TO EXCLUDE/INCLUDE THE ALTERNATE WORK.

C. ALTERNATE BID ITEM NO.2 (ABI#2): WORK INCLUDES BASE BID (BB) MINUS WORK ASSOCIATED WITH SERVICE ROAD (SR) AND NURSING HOME (NH). PROVIDE A SEPARATE PRICE FOR THE SITE LIGHTING WORK SHOWN ON THE DRAWING AS ABI#2. THE VA RESERVES THE RIGHT TO EXCLUDE/INCLUDE THE ALTERNATE WORK.

D. ALTERNATE BID ITEM NO.3 (ABI#3): WORK INCLUDES BASE BID (BB) MINUS ALL WORK ASSOCIATED WITH LOOP #1 (WEST SIDE OF KNOLLCROFT ROAD) INCLUDING SERVICE ROAD (SR) AND NURSING HOME (NH). PROVIDE A SEPARATE PRICE FOR THE SITE LIGHTING WORK SHOWN ON THE DRAWING AS ABI#3. THE VA RESERVES THE RIGHT TO EXCLUDE/INCLUDE THE ALTERNATE WORK.

E. FOR THIS PROJECT "LOOP #1" REFERS TO THE ENTIRE AREA OF THE CAMPUS WEST OF KNOLLCROFT ROAD AND EXCLUDING KNOLLCROFT ROAD, AND "LOOP #2" REFERS TO THE ENTIRE AREA OF THE CAMPUS EAST OF KNOLLCROFT ROAD AND INCLUDING KNOLLCROFT ROAD.



SITE KEY

NOT TO SCALE

LEGEND

EXISTING		NEW	
	BENCH MARK	LOD	LIMIT OF DISTURBANCE
SB1	SOIL BORING LOCATION		NEW ASPHALT PAVEMENT
	BUILDING	SF	SILT FENCE
26	BUILDING NUMBER		STABILIZED CONSTRUCTION ENTRANCE
	CHAIN LINK FENCE		PAVEMENT STRIPING
	STREAM		LIGHTING FIXTURE CONDUIT
	5' CONTOUR		LIGHTING HOME RUN CONDUIT
	1' CONTOUR		SIDEWALK RESTORATION
	SIGN POST		CONDUIT UNDER ROAD OR BUILDING
24.8	SPOT GRADE ELEVATION		LIGHT POLES
	TREE	1	NEW WORK KEYNOTE ("1" SHOWN HERE AS EXAMPLE)
	TREE		
	TREE		
	EDGE OF TREES		
T	TELEPHONE MANHOLE		
E	ELECTRIC MANHOLE		
D	STORM SEWER MANHOLE		
UP	UTILITY POLE		
-D-	STORM SEWER LINE (AS SHOWN ON DEMOLITION PLANS)		
-D-	STORM SEWER LINE (AS SHOWN ON CONSTRUCTION PLANS)		
-U-	UNKNOWN PIPE		
	CURB INLET		
	SQUARE INLET		
	ROUND INLET		
-S-	SANITARY SEWER LINE		
-W-	WATER LINE		
-G-	GAS LINE		
-STM-	STEAM LINE		
-E-	ELECTRICAL SERVICE		
-U-	UNIDENTIFIED UNDERGROUND UTILITY		
-T-	COMMUNICATION LINE		
	LIGHT POLE		
U	UNKNOWN		
	STRIPING		
	AREA TO BE REMOVED		
1	DEMOLITION KEYNOTE ("1" SHOWN HERE AS EXAMPLE)		

SYMBOLS

LETTER IDENTIFICATION
DRAWING NUMBER WHERE SECTION IS TARGETED
SECTION
DRAWING NUMBER WHERE SECTION IS LOCATED

LETTER IDENTIFICATION
DRAWING NUMBER WHERE DETAIL IS TARGETED
DETAIL
DRAWING NUMBER WHERE DETAIL IS LOCATED

ABBREVIATIONS

ABI	ALTERNATE BID ITEM	EL. / ELEV.	ELEVATION
A.S.T.M.	AMERICAN SOCIETY OF TESTING MATERIALS	EXIST	EXISTING
B/CURB	BOTTOM OF CURB	FIN.	FINISHED
BLDG.	BUILDING	FT.	FOOT / FEET
BM	BENCHMARK	GALV.	GALVANIZED
BW	BOTTOM OF WALL	FIN.	GRATE ELEVATION
CB	CATCH BASIN	HDPE	HIGH DENSITY POLYETHYLENE
℄	CENTERLINE	HORIZ.	HORIZONTAL
CLR.	CLEARANCE	H.P.	HIGH POINT
CMP	CORRUGATED METAL PIPE	IN	INCH
CONC.	CONCRETE	INV	INVERT
D.I.	DUCTILE IRON	LC	LENGTH OF CURVE
DIA.	DIAMETER	LF	LINEAR FEET
DN	DOWN	LOD	LIMIT OF DISTURBANCE
DOT	DEPARTMENT OF TRANSPORTATION	L.P.	LOW POINT
DW	DISTRIBUTION WATER	LT	LENGTH OF TANGENT
DWG.	DRAWING	MAX	MAXIMUM
		MIN	MINIMUM
		MH	MANHOLE
		N.I.C.	NOT IN CONTRACT
		P.S.I. / PSI	POUNDS PER SQUARE INCH
		PVC	POLYVINYL CHLORIDE
		R	RADIUS
		RCP	REINFORCED CONCRETE PIPE
		SP	SPACES
		SS	STAINLESS STEEL
		STA	STATION
		STM	STEAM LINE
		T.C.	TOP OF CURB ELEVATION
		TW	TOP OF WALL
		TYP	TYPICAL
		WWF	WELDED WIRE FABRIC

Revisions	Date

STAUNTON CHOW
A DIVISION OF HATCH MOTT MACDONALD
545 Washington Blvd., Jersey City, NJ 07310

Key Plan

Drawing Title: GENERAL NOTES, LEGEND AND ABBREVIATIONS	Project Title: REPLACE SITE LIGHTING AT VA LYONS CAMPUS		Date: 23 MARCH, 2010
			Project No.: 561A4-08-103
Approved : Division Chief	Building Number	Checked: JFU / Drawn: GMN	Drawing No.: C1
Approved : Service Director	Location: VA Lyons Campus, NJHCS, Lyons, NJ		Sht. 2 Of 29

Office of Facilities
Department of Veterans Affairs

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