

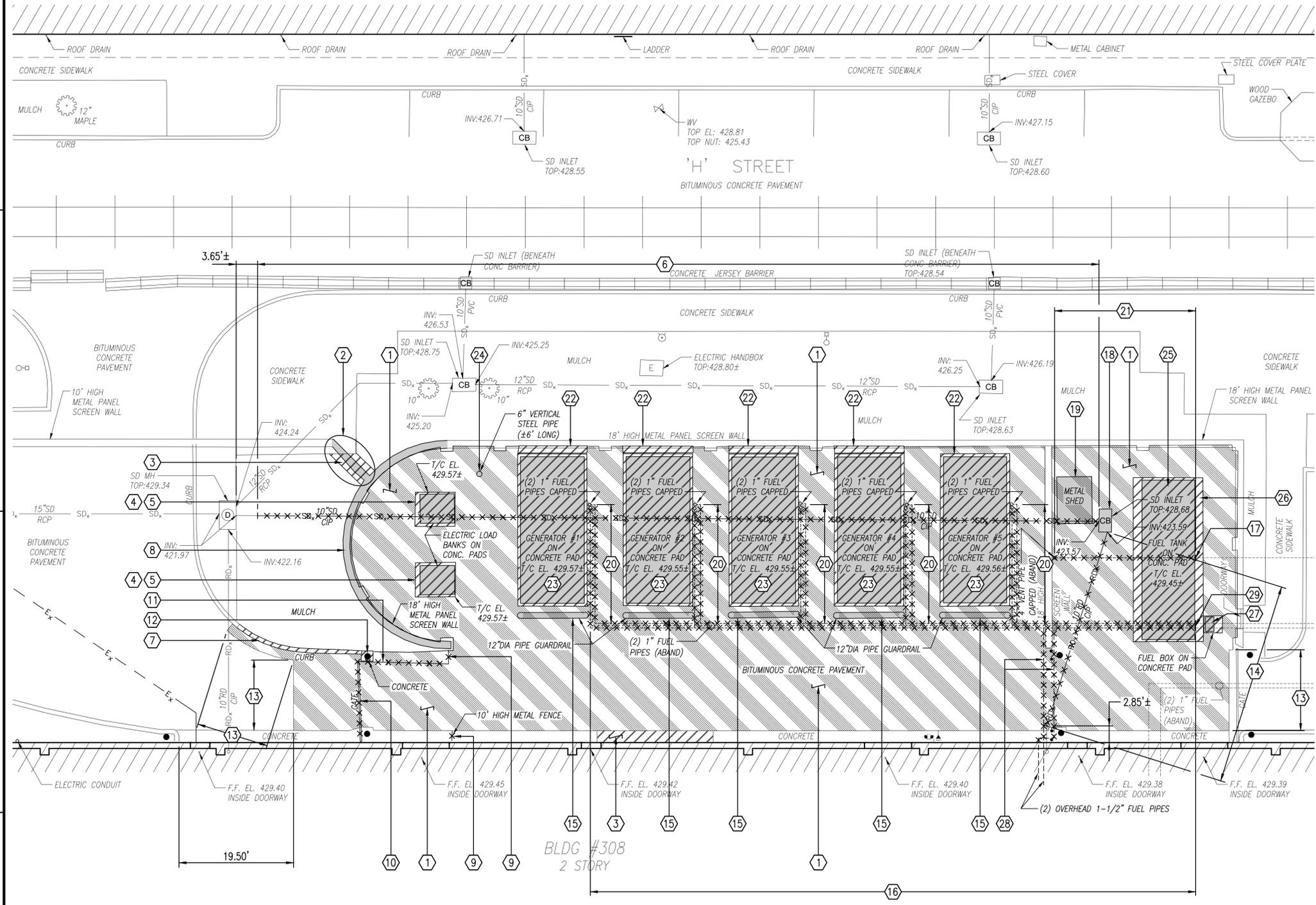
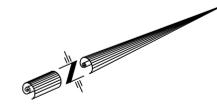








BLDG #307  
1 STORY BRICK



**CIVIL EXISTING CONDITIONS PLAN - DEMOLITION**

SCALE: 1" = 10'

**SITE DEMOLITION SYMBOLS LEGEND**

	REMOVE STRUCTURE / SITE OR UTILITY FEATURE NOTED
	REMOVE CONCRETE PAVEMENT / PAD / CURB
	REMOVE BITUMINOUS CONCRETE PAVEMENT
	REMOVE EXISTING UTILITY / LINEAR SITE FEATURE
	DEMOLITION KEYNOTE

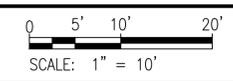
**GENERAL SHEET NOTES**

- REFER TO SHEET C-001 FOR GENERAL CIVIL NOTES, LEGENDS AND ABBREVIATIONS.
- PHASING IS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT. COORDINATE ALL CIVIL WORK WITH ELECTRICAL EQUIPMENT INSTALLATION PHASING REQUIREMENTS AS DELINEATED ON ELECTRICAL DRAWINGS AND AS REQUIRED FOR EQUIPMENT INSTALLATION.
- REFER TO SHEET SD101A FOR EXISTING METAL PANEL SCREEN WALL AND WALL FOUNDATION DEMOLITION.
- EXISTING UNDERGROUND ELECTRIC INFRASTRUCTURE IS NOT SHOWN ON PLAN FOR CLARITY PURPOSES. REFER TO SHEET ED102A FOR EXISTING ELECTRIC INFRASTRUCTURE DEMOLITION AND TEMPORARY POWER REQUIREMENTS.
- WITH THE EXCEPTION OF PIPING SHOWN IN SHEET KEYNOTE #28, THE EXISTING ABOVEGROUND FUEL PIPING IS NOT SHOWN ON PLAN FOR CLARITY PURPOSES. REFER TO SHEET MD101A FOR EXISTING ABOVEGROUND FUEL PIPING DEMOLITION.
- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN IN THESE DRAWINGS ARE APPROXIMATE. REFER TO THE GENERAL CIVIL NOTES ON SHEET C-001 FOR REQUIREMENTS REGARDING THIRD PARTY UTILITY LOCATING.

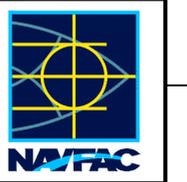
**SHEET KEYNOTES**

- REMOVE BITUMINOUS CONCRETE PAVEMENT AND AGGREGATE SUBBASE. EXISTING PAVEMENT SECTION CONSISTS OF 6-1/2"± THICK BITUMINOUS CONCRETE ATOP 5"± THICK AGGREGATE SUBBASE BASED ON AVAILABLE RECORD DRAWINGS PROVIDED BY THE GOVERNMENT.
- REMOVE 10' HIGH METAL PANEL SCREEN WALL. SEE EXISTING GROUND FLOOR PLAN - DEMOLITION ON SHEET SD101A.
- REMOVE CONCRETE PAVEMENT. EXISTING PAVEMENT SECTION CONSISTS OF 4"± THICK CONCRETE WITH WELDED WIRE FABRIC REINFORCEMENT.
- REMOVE CONCRETE EQUIPMENT PAD (6' x 7' x 4" THICK APPROXIMATE SIZE EACH).
- DISCONNECT AND REMOVE ELECTRICAL LOAD BANKS. SEE GROUND FLOOR PLAN PHASE 1 - DEMOLITION ON SHEET ED102A.
- REMOVE 10" CIP STORM DRAIN.
- REMOVE CONCRETE CURB.
- REMOVE 18' HIGH METAL PANEL SCREEN WALL AND SELECT FOUNDATIONS. SEE EXISTING GROUND FLOOR PLAN - DEMOLITION ON SHEET SD101A.
- REMOVE 10' HIGH METAL FENCE.
- REMOVE 10' HIGH METAL GATE.
- REMOVE 10' HIGH CHAIN LINK FENCE.
- REMOVE 12"± DIAMETER CONCRETE-FILLED PIPE BOLLARD AND CONCRETE FOUNDATION.
- SAWCUT BITUMINOUS CONCRETE PAVEMENT FULL-DEPTH.
- REMOVE 10" CIP ROOF DRAIN.
- REMOVE 12" DIAMETER STEEL PIPE GUARDRAIL (5 TOTAL).
- REMOVE (2) 1" DIAMETER ABANDONED FUEL PIPES.
- CUT AND PLUG ABANDONED 4" VENT PIPE IN ACCORDANCE WITH DETAIL 'C3' ON SHEET C-501.
- REMOVE CATCH BASIN (3' x 5' x 6' DEEP APPROXIMATE SIZE).
- SALVAGE AND RELOCATE PORTABLE METAL SHED TO DIFFERENT LOCATION WITHIN THE LIMITS OF THE PROJECT SITE AS DIRECTED BY THE CONTRACTING OFFICER.
- REMOVE (2) 1" DIAMETER ABANDONED FUEL PIPES (5 LOCATIONS).
- REMOVE 4" DIAMETER ABANDONED VENT PIPE.
- REMOVE CONCRETE GENERATOR PAD (13' x 26' x 4" THICK APPROXIMATE SIZE EACH).
- DISCONNECT AND REMOVE GENERATOR (5 EACH). SEE GROUND FLOOR PLAN PHASE 1 - DEMOLITION ON SHEET ED102A.
- REMOVE 6" DIAMETER VERTICAL STEEL PIPE.
- REMOVE 10,000 GALLON FUEL TANK. SEE GROUND FLOOR PLAN - DEMOLITION ON SHEET MD101A.
- REMOVE CONCRETE FUEL TANK PAD (12' x 28' x 4" THICK APPROXIMATE SIZE).
- REMOVE FUEL FILL BOX AND CONCRETE EQUIPMENT PAD. SEE GROUND FLOOR PLAN - DEMOLITION ON SHEET MD101A.
- REMOVE (2) ABOVEGROUND 1-1/2" FUEL PIPES. SEE GROUND FLOOR PLAN - DEMOLITION ON SHEET MD101A.
- CUT AND CAP (2) 1" DIAMETER ABANDONED FUEL PIPES.

**GRAPHIC SCALE**



DATE	DESCRIPTION	BY	APPR



Whitman, Requardt & Associates, LLP  
801 South Caroline Street, Baltimore, Maryland 21201

APPROVED:

ACTIVITY	DISA
WMD/MP/2	
SATISFACTORY TO	DATE 03/19/2015
DES	CJK
DRW	CJK
CHK	AUO
FM/DM	BHD/REG
BRANCH MANAGER	
CHIEF ENG/ARCH	DWG
FIRE PROT. ENG.	

DEPARTMENT OF THE NAVY  
NAVAL FACILITIES ENGINEERING COMMAND  
NAVAL STATION - Norfolk, Virginia  
MID-ATLANTIC  
MECHANICSBURG, PENNSYLVANIA  
NSA MECHANICSBURG  
**BUILDING 308 ESSENTIAL BUS AND GENERATOR SYSTEM EQUIPMENT INSTALLATION**  
CIVIL EXISTING CONDITIONS PLAN - DEMOLITION

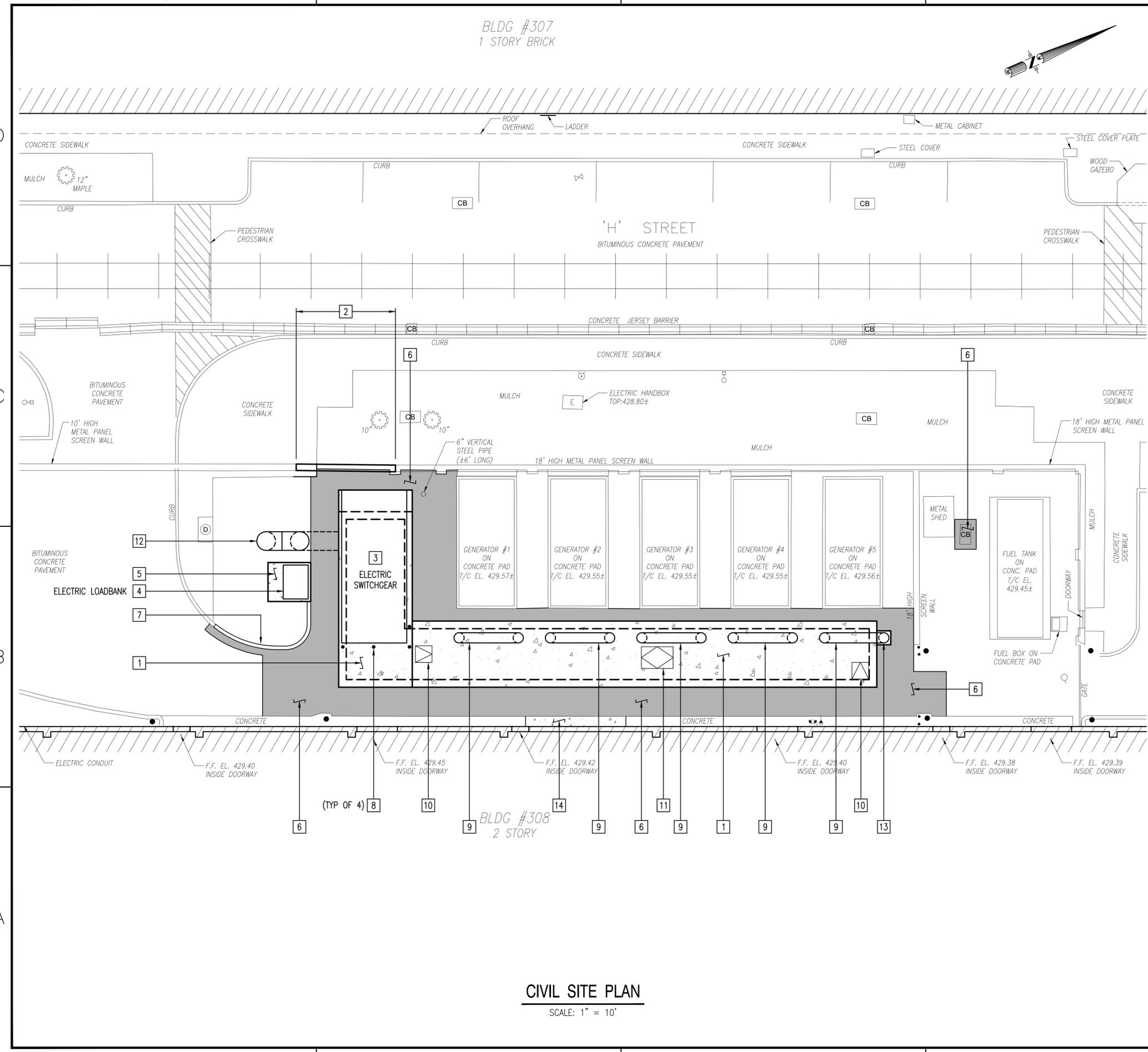
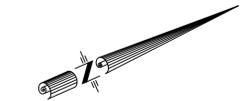
SCALE:	1" = 10'
PROJECT NO.:	1321797
CONSTR. CONTR. NO.:	N40085-15-R-8719
NAFAC DRAWING NO.:	12691117
SHEET	8 OF 94
<b>CD101A</b>	

FILE NAME: N:\81488-002\CADD\BDCS308-81488002-CD101A.dwg LAYOUT NAME: layout1 PLOTTED: Monday, May 18, 2015 - 4:15pm USER: eidd



FILE NAME: N:\81488-002\CADD\BLDG308-81488002-C-102.dwg LAYOUT NAME: Layout11 PLOTTED: Monday, May 18, 2015 - 4:16pm USER: eidd

BLDG #307  
1 STORY BRICK



**CIVIL SITE PLAN**  
SCALE: 1" = 10'

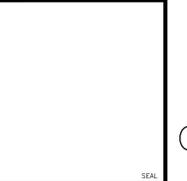
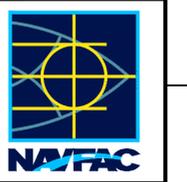
**GENERAL SHEET NOTES**

1. REFER TO SHEET C-001 FOR GENERAL CIVIL NOTES, LEGENDS AND ABBREVIATIONS.
2. PHASING IS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT. COORDINATE ALL CIVIL WORK WITH ELECTRICAL EQUIPMENT INSTALLATION PHASING REQUIREMENTS AS DELINEATED ON ELECTRICAL DRAWINGS AND AS REQUIRED FOR EQUIPMENT INSTALLATION.
3. REFER TO SHEET C-101 FOR HORIZONTAL AND VERTICAL SURVEY CONTROL LOCATIONS.

**SHEET KEYNOTES**

- 1 UTILITY TUNNEL. SEE GROUND FLOOR PLAN ON SHEET S-101.
- 2 METAL PANEL SCREEN WALL. SEE SHEET S-503 FOR DETAILS.
- 3 EQUIPMENT SUPPORT PAD FOR ELECTRIC SWITCHGEAR. SEE DETAIL 'C1' ON SHEET S-002.
- 4 ELECTRIC LOAD BANK. SEE SHEET E-101 FOR DETAILS.
- 5 EXTERIOR EQUIPMENT PAD. SEE DETAIL 'C2' ON SHEET S-002.
- 6 BITUMINOUS CONCRETE PAVEMENT. SEE DETAIL 'C1' ON SHEET C-501.
- 7 CONCRETE CURB. SEE DETAIL 'A4' ON SHEET C-501.
- 8 GUARD POST. SEE DETAIL 'A1' ON SHEET S-002.
- 9 24" DIAMETER VENTILATION AIR INTAKE. SEE DETAIL 'C3' ON SHEET M-501.
- 10 36" x 36" ACCESS DOOR.
- 11 48" x 72" ACCESS DOOR.
- 12 42" DIAMETER EXHAUST DUCT.
- 13 CONCRETE FOUNDATION FOR 24" DIAMETER VENTILATION AIR INTAKE (THIS END ONLY). SEE SECTION 'A1' ON SHEET S-501.
- 14 CONCRETE PAVEMENT. SEE DETAIL 'A3' ON SHEET C-501.

APPR.	DATE	DESCRIPTION



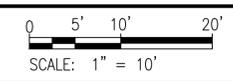
APPROVED	A/E (IMP)
FOR COMMANDER NAVFAC	
ACTIVITY	DISA WMD/MP2
SATISFACTORY TO	DATE 03/19/2015
DES CJK	DRW CJK
CHK AUO	
FM/DM	BHD/REG
BRANCH MANAGER	
CHIEF ENG/ARCH	DWG
FIRE PROT. ENG.	

DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	MID-ATLANTIC
NORTHWEST IPT	NAVAL STATION - NORFOLK, VIRGINIA	
NSA MECHANICSBURG	MECHANICSBURG, PENNSYLVANIA	

**BUILDING 308 ESSENTIAL BUS AND GENERATOR SYSTEM EQUIPMENT INSTALLATION**  
CIVIL SITE PLAN

SCALE:	1" = 10'
PROJECT NO.:	1321797
CONSTR. CONTR. NO.:	N40085-15-R-8719
NAVFAC DRAWING NO.:	12691119
SHEET	10 OF 94
<b>C-102</b>	

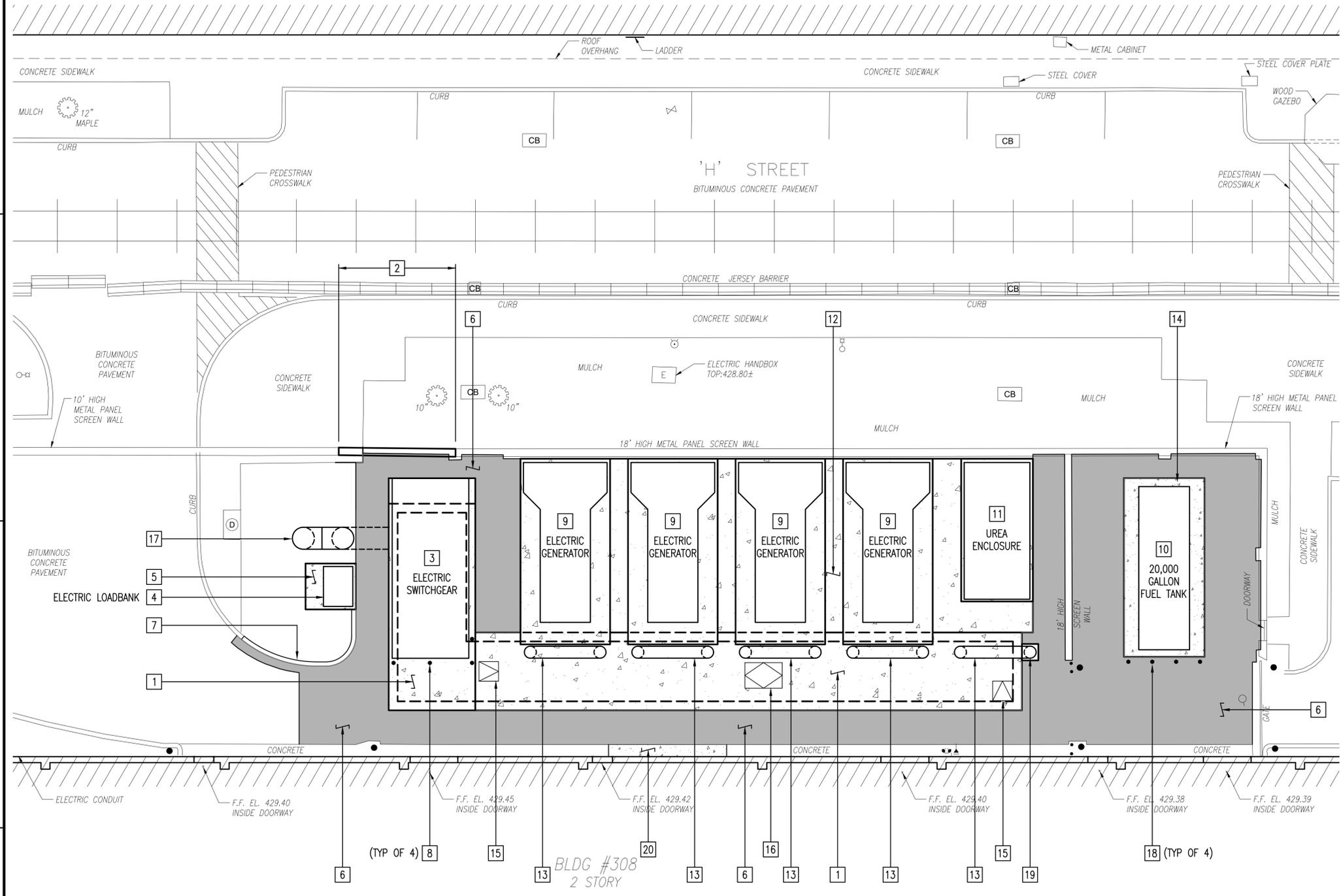
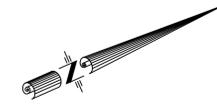
**GRAPHIC SCALE**



DRAWFORM REVISION: 10 MARCH 2009

FILE NAME: N:\81488-02\CADD\BLDG308-8148802-C-102A.dwg LAYOUT NAME: Layout11 PLOTTED: Monday, May 18, 2015 - 4:16pm USER: elidc

BLDG #307  
1 STORY BRICK



**CIVIL SITE PLAN**  
SCALE: 1" = 10'

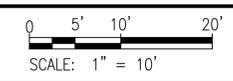
**GENERAL SHEET NOTES**

1. REFER TO SHEET C-001 FOR GENERAL CIVIL NOTES, LEGENDS AND ABBREVIATIONS.
2. PHASING IS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT. COORDINATE ALL CIVIL WORK WITH ELECTRICAL EQUIPMENT INSTALLATION PHASING REQUIREMENTS AS DELINEATED ON ELECTRICAL DRAWINGS AND AS REQUIRED FOR EQUIPMENT INSTALLATION.
3. REFER TO SHEET C-101 FOR HORIZONTAL AND VERTICAL SURVEY CONTROL LOCATIONS.

**SHEET KEYNOTES**

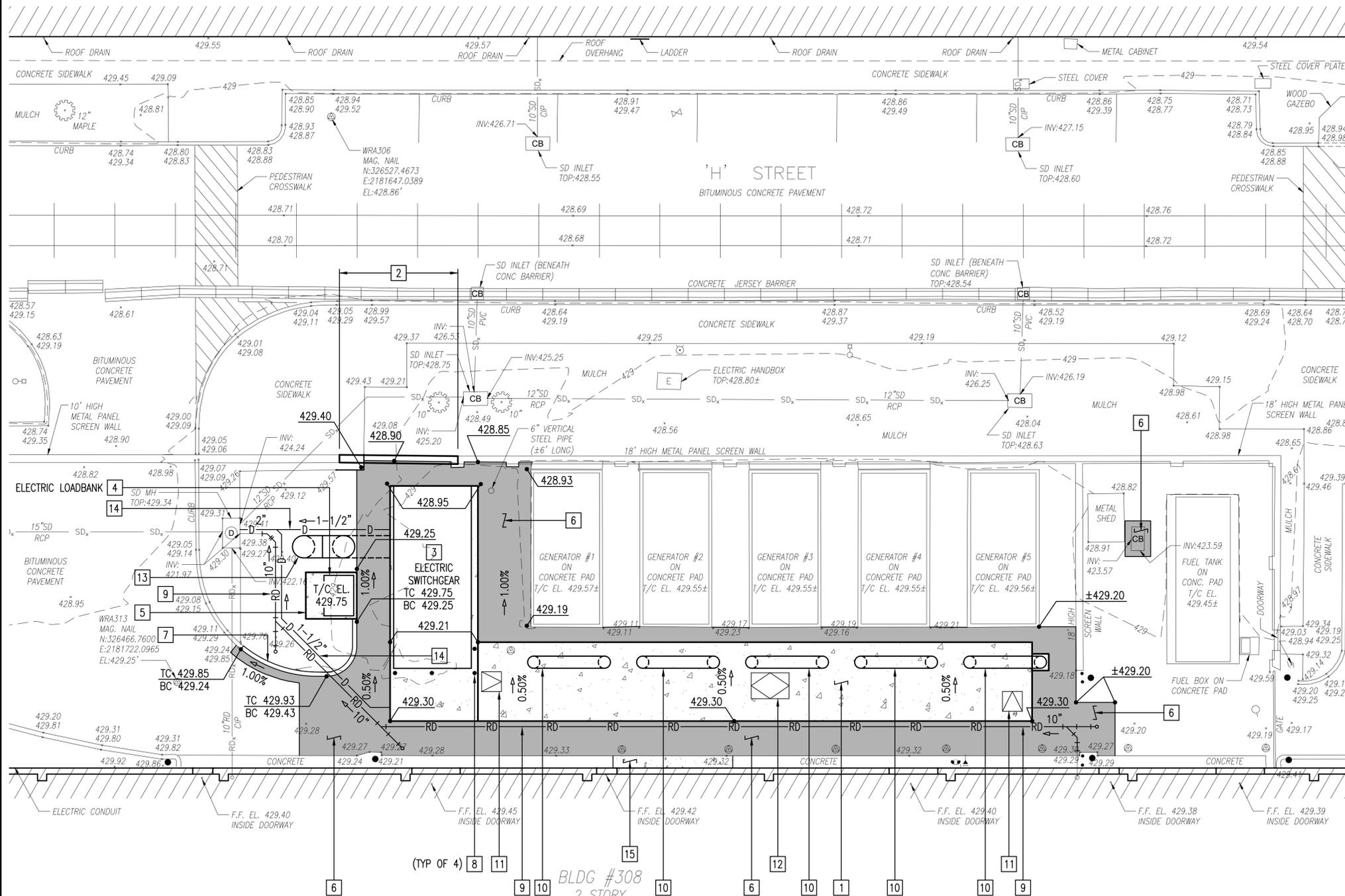
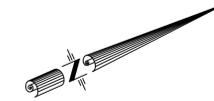
- 1 UTILITY TUNNEL. SEE GROUND FLOOR PLAN ON SHEET S101A.
- 2 METAL PANEL SCREEN WALL. SEE SHEET S-503 FOR DETAILS.
- 3 EQUIPMENT SUPPORT PAD FOR ELECTRIC SWITCHGEAR. SEE DETAIL 'C1' ON SHEET S-002.
- 4 ELECTRIC LOAD BANK. SEE SHEET E101A FOR DETAILS.
- 5 EXTERIOR EQUIPMENT PAD. SEE DETAIL 'C2' ON SHEET S-002.
- 6 BITUMINOUS CONCRETE PAVEMENT. SEE DETAIL 'C1' ON SHEET C-501.
- 7 CONCRETE CURB. SEE DETAIL 'A4' ON SHEET C-501.
- 8 GUARD POST. SEE DETAIL 'A1' ON SHEET S-002.
- 9 ELECTRIC GENERATOR. SEE SHEET E101A FOR DETAILS.
- 10 20,000 GALLON FUEL TANK. SEE SHEET M101A FOR DETAILS.
- 11 UREA ENCLOSURE. SEE SHEET M101A FOR DETAILS.
- 12 EQUIPMENT SUPPORT PAD FOR ELECTRIC GENERATORS AND UREA TANK. SEE GROUND FLOOR PLAN ON SHEET S101A AND SHEET S505A FOR DETAILS.
- 13 24" DIAMETER VENTILATION AIR INTAKE. SEE DETAIL 'C3' ON SHEET M501A.
- 14 CONCRETE FOUNDATION FOR FUEL TANK. SEE GROUND FLOOR PLAN ON SHEET S101A AND SHEET S505A FOR DETAILS.
- 15 36" x 36" ACCESS DOOR.
- 16 48" x 72" ACCESS DOOR.
- 17 42" DIAMETER EXHAUST DUCT.
- 18 CONCRETE-FILLED GUARD POST. SEE DETAIL 'C5' ON SHEET C-501.
- 19 CONCRETE FOUNDATION FOR 24" DIAMETER VENTILATION AIR INTAKE (THIS END ONLY). SEE SECTION 'A1' ON SHEET S-501.
- 20 CONCRETE PAVEMENT. SEE DETAIL 'A3' ON SHEET C-501.

**GRAPHIC SCALE**



<p>DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC NAVAL STATION - NORFOLK, VIRGINIA</p> <p>NSA MECHANICSBURG BUILDING 308 ESSENTIAL BUS AND GENERATOR SYSTEM EQUIPMENT INSTALLATION</p> <p style="text-align: right;">CIVIL SITE PLAN</p>	<p>APPROVED: _____ FOR COMMANDER NAVFAC</p> <p>ACTIVITY: DISA WMD/MPE2</p> <p>SATISFACTORY TO: _____ DATE: 03/19/2015</p> <p>DES: CJK   DRW: CJK   CHK: AUO</p> <p>PM/DM: BHD/REG</p> <p>BRANCH MANAGER: _____</p> <p>CHIEF ENGR/ARCH: _____ DWG</p> <p>FIRE PROT. ENGR: _____</p> <p>SCALE: 1" = 10' PROJECT NO.: 1321797 CONSTR. CONTR. NO.: N40085-15-R-8719 NAVFAC DRAWING NO.: 12691120 SHEET 11 OF 94 <b>C102A</b></p> <p style="font-size: small; text-align: right;">DRAWFORM REVISION: 10 MARCH 2009</p>
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BLDG #307  
1 STORY BRICK



**CIVIL GRADING AND DRAINAGE PLAN**

SCALE: 1" = 10'

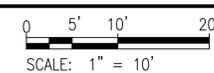
**GENERAL SHEET NOTES**

1. REFER TO SHEET C-001 FOR GENERAL CIVIL NOTES, LEGENDS AND ABBREVIATIONS.
2. PHASING IS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT. COORDINATE ALL CIVIL WORK WITH ELECTRICAL EQUIPMENT INSTALLATION PHASING REQUIREMENTS AS DELINEATED ON ELECTRICAL DRAWINGS AND AS REQUIRED FOR EQUIPMENT INSTALLATION.
3. REFER TO SHEET C-101 FOR HORIZONTAL AND VERTICAL SURVEY CONTROL LOCATIONS.

**SHEET KEYNOTES**

- 1 UTILITY TUNNEL. SEE GROUND FLOOR PLAN ON SHEET S-101.
- 2 METAL PANEL SCREEN WALL. SEE SHEET S-503 FOR DETAILS.
- 3 EQUIPMENT SUPPORT PAD FOR ELECTRIC SWITCHGEAR. SEE DETAIL 'C1' ON SHEET S-002.
- 4 ELECTRIC LOAD BANK. SEE SHEET E-101 FOR DETAILS.
- 5 EXTERIOR EQUIPMENT PAD. SEE DETAIL 'C2' ON SHEET S-002.
- 6 BITUMINOUS CONCRETE PAVEMENT. SEE DETAIL 'C1' ON SHEET C-501.
- 7 CONCRETE CURB. SEE DETAIL 'A4' ON SHEET C-501.
- 8 GUARD POST. SEE DETAIL 'A1' ON SHEET S-002.
- 9 RELOCATED 10" ROOF DRAIN. SEE SHEET C-104 FOR UTILITY PLAN AND SHEET C-201 FOR PROFILE.
- 10 24" DIAMETER VENTILATION AIR INTAKE. SEE DETAIL 'C3' ON SHEET M-501.
- 11 36" x 36" ACCESS DOOR.
- 12 48" x 72" ACCESS DOOR.
- 13 42" DIAMETER EXHAUST DUCT.
- 14 DRAIN FROM SUMPS IN CONCRETE VAULT. SEE SHEET C-104 FOR UTILITY PLAN AND SHEET C-201 FOR PROFILES.
- 15 CONCRETE PAVEMENT. SEE DETAIL 'A3' ON SHEET C-501.

**GRAPHIC SCALE**



DATE	APPROVED
DESCRIPTION	FOR COMMANDER NAVFAC
DATE	ACTIVITY
DATE	DISA
DATE	WMD/MP/2
DATE	SATISFACTORY TO
DATE	03/19/2015
DATE	DES CJK
DATE	DRW CJK
DATE	CHK AUO
DATE	PA/DM BHD/REG
DATE	BRANCH MANAGER
DATE	CHIEF ENG/ARCH DWG
DATE	FIRE PROT. ENG.
DATE	NAVAL FACILITIES ENGINEERING COMMAND
DATE	MID-ATLANTIC
DATE	NAVAL STATION - NORFOLK, VIRGINIA
DATE	MECHANICSBURG, PENNSYLVANIA
DATE	NSA MECHANICSBURG
DATE	BUILDING 308 ESSENTIAL BUS AND GENERATOR
DATE	SYSTEM EQUIPMENT INSTALLATION
DATE	CIVIL GRADING AND DRAINAGE PLAN
DATE	SCALE: 1" = 10'
DATE	EPROJCT NO.: 1321797
DATE	CONSTR. CONTR. NO. N40085-15-R-8719
DATE	NAVFAC DRAWING NO. 12691121
DATE	SHEET 12 OF 94
DATE	C-103
DATE	DRAWFORM REVISION: 10 MARCH 2009

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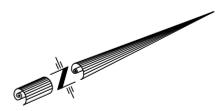
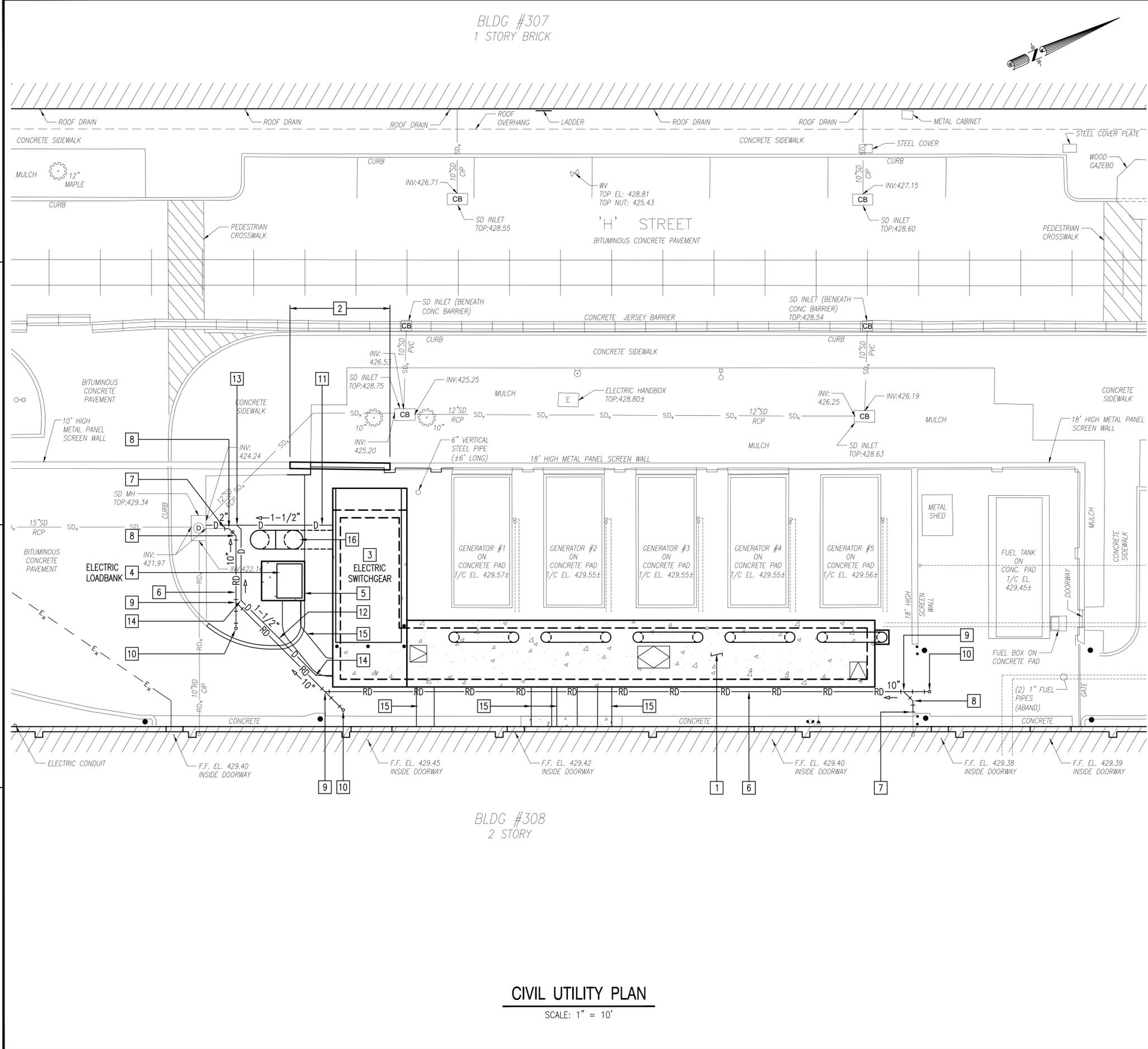


FILE NAME: N:\81488-002\CADD\BLDG308-81488002-C-104.dwg LAYOUT NAME: Layout11 PLOTTED: Monday, May 18, 2015 - 4:16pm USER: ehhdd

BLDG #307  
1 STORY BRICK

BLDG #308  
2 STORY

**CIVIL UTILITY PLAN**  
SCALE: 1" = 10'



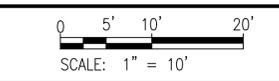
**GENERAL SHEET NOTES**

- REFER TO SHEET C-001 FOR GENERAL CIVIL NOTES, LEGENDS AND ABBREVIATIONS.
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- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN IN THESE DRAWINGS ARE APPROXIMATE. REFER TO THE GENERAL CIVIL NOTES ON SHEET C-001 FOR REQUIREMENTS REGARDING THIRD PARTY UTILITY LOCATING.

**SHEET KEYNOTES**

- UTILITY TUNNEL. SEE GROUND FLOOR PLAN ON SHEET S-101.
- METAL PANEL SCREEN WALL. SEE SHEET S-503 FOR DETAILS.
- EQUIPMENT SUPPORT PAD FOR ELECTRIC SWITCHGEAR. SEE DETAIL 'C1' ON SHEET S-002.
- ELECTRIC LOAD BANK. SEE SHEET E-101 FOR DETAILS.
- EXTERIOR EQUIPMENT PAD. SEE DETAIL 'C2' ON SHEET S-002.
- 10" ROOF DRAIN (DUCTILE IRON PIPE). SEE PROFILE 'A1' ON SHEET C-201.
- CONNECT TO EXISTING 10" PIPE.
- 10" - 45° BEND (DUCTILE IRON FITTING).
- 10"x10"x10" WYE BRANCH (DUCTILE IRON FITTING).
- 6" CLEANOUT. SEE DETAIL 'A1' ON SHEET C-501.
- 1-1/2" / 2" DRAIN (PVC). SEE PROFILE 'C1' ON SHEET C-201.
- 1-1/2" DRAIN (PVC). SEE PROFILE 'C3' ON SHEET C-201.
- 1-1/2"x1-1/2"x1-1/2" WYE BRANCH AND 45° BEND (PVC).
- 1-1/2" - 45° BEND (PVC).
- CONCRETE-ENCASED DUCTBANKS. SEE GROUND FLOOR PLAN PHASE 1 ON SHEET E-102.
- 42" DIAMETER EXHAUST DUCT.

**GRAPHIC SCALE**



APPROVED	DATE
FOR COMMANDER NAVFAC	
ACTIVITY	DISA WMD/MP/2
SATISFACTORY TO	DATE 03/19/2015
DES CJK	DRW CJK
CHK AJO	
BRANCH MANAGER	
CHIEF ENG/ARCH	DWG
FIRE PROT. ENG.	
DEPARTMENT OF THE NAVY	
NAVAL FACILITIES ENGINEERING COMMAND	
MID-ATLANTIC	
NAVAL STATION - NORFOLK, VIRGINIA	
NSA MECHANICSBURG, PENNSYLVANIA	
<b>BUILDING 308 ESSENTIAL BUS AND GENERATOR SYSTEM EQUIPMENT INSTALLATION</b>	
CIVIL UTILITY PLAN	
SCALE: 1" = 10'	
PROJECT NO.: 1321797	
CONSTR. CONTR. NO. N40085-15-R-8719	
NAVFAC DRAWING NO. 12691123	
SHEET 14 OF 94	
<b>C-104</b>	
DRAWFORM REVISION: 10 MARCH 2009	

FILE NAME: N:\81488-002\CADD\BLDG308-81488002-C-104A.dwg LAYOUT NAME: Layout11 PLOTTED: Monday, May 18, 2015 - 4:16pm USER: elidc

BLDG #307  
1 STORY BRICK

BLDG #308  
2 STORY

**CIVIL UTILITY PLAN**

SCALE: 1" = 10'

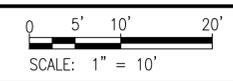
**GENERAL SHEET NOTES**

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- ABOVEGROUND FUEL PIPING IS NOT SHOWN ON PLAN FOR CLARITY PURPOSES. REFER TO SHEET M101A FOR MORE INFORMATION AND DETAILS REGARDING ABOVEGROUND FUEL PIPING.
- THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN IN THESE DRAWINGS ARE APPROXIMATE. REFER TO THE GENERAL CIVIL NOTES ON SHEET C-001 FOR REQUIREMENTS REGARDING THIRD PARTY UTILITY LOCATING.

**SHEET KEYNOTES**

- UTILITY TUNNEL. SEE GROUND FLOOR PLAN ON SHEET S-101.
- METAL PANEL SCREEN WALL. SEE SHEET S-503 FOR DETAILS.
- EQUIPMENT SUPPORT PAD FOR ELECTRIC SWITCHGEAR. SEE DETAIL 'C1' ON SHEET S-002.
- ELECTRIC LOAD BANK. SEE SHEET E101A FOR DETAILS.
- EXTERIOR EQUIPMENT PAD. SEE DETAIL 'C2' ON SHEET S-002.
- 10" ROOF DRAIN (DUCTILE IRON PIPE). SEE PROFILE 'A1' ON SHEET C-201.
- CONNECT TO EXISTING 10" PIPE.
- 10" - 45° BEND (DUCTILE IRON FITTING).
- 10"x10"x10" WYE BRANCH (DUCTILE IRON FITTING).
- 6" CLEANOUT. SEE DETAIL 'A1' ON SHEET C-501.
- 1-1/2" / 2" DRAIN (PVC). SEE PROFILE 'C1' ON SHEET C-201.
- 1-1/2" DRAIN (PVC). SEE PROFILE 'C3' ON SHEET C-201.
- 1-1/2"x1-1/2"x1-1/2" WYE BRANCH AND 45° BEND (PVC).
- 1-1/2" - 45° BEND (PVC).
- CONCRETE-ENCASED DUCTBANKS. SEE GROUND FLOOR PLAN PHASE 1 ON SHEET E102A.
- 42" DIAMETER EXHAUST DUCT.

**GRAPHIC SCALE**



APPROVED	DATE	DESCRIPTION	BY
			
			
APPROVED: _____ FOR COMMANDER NAVFAC			
ACTIVITY: DISA WMD/MP2			
SATISFACTORY TO: _____ DATE: 03/19/2015			
DES: CJK	DRW: CJK	CHK: AUO	AUT: AUO
BRANCH MANAGER: _____			
CHIEF ENG/ARCH: _____			
FIRE PROT. ENG: _____			
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND - MID-ATLANTIC NAVFAC STATION - NORFOLK, VIRGINIA NSA MECHANICSBURG, PENNSYLVANIA <b>BUILDING 308 ESSENTIAL BUS AND GENERATOR SYSTEM EQUIPMENT INSTALLATION</b> CIVIL UTILITY PLAN			
SCALE: 1" = 10' PROJECT NO.: 1321797			
CONSTR. CONTR. NO.: N40085-15-R-8719			
NAVFAC DRAWING NO.: 12691124			
SHEET 15 OF 94			
<b>C104A</b>			
DRAWFORM REVISION: 10 MARCH 2009			

### GENERAL SHEET NOTES

- REFER TO SHEET C-001 FOR GENERAL CIVIL NOTES, LEGENDS AND ABBREVIATIONS.
- REFER TO SHEETS C-002, C-502 AND C-503 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
- THE TOTAL LIMIT OF DISTURBANCE AREA FOR THIS PROJECT EQUALS 4,050 SQUARE FEET.
- ANY SEDIMENT DEPOSITED ON ROADWAYS SHALL BE REMOVED IMMEDIATELY AND RETURNED TO THE CONSTRUCTION SITE. WASHING THE ROADWAY OR SWEEPING DEPOSITS INTO ROADWAY DRAINAGE COURSES IS PROHIBITED.
- SOIL STOCKPILES SHALL BE NO GREATER THAN 35 FEET IN HEIGHT AND HAVE A SLOPE NO GREATER THAN 2:1. PROVIDE WEIGHTED-DOWN TARPAULIN COVERS OVER ENTIRE STOCKPILE AND COMPOST FILTER SOCKS TO COMPLETELY SURROUND THE STOCKPILE.
- PHASING IS REQUIRED FOR INSTALLATION OF ELECTRICAL EQUIPMENT. COORDINATE ALL CIVIL WORK WITH ELECTRICAL EQUIPMENT INSTALLATION PHASING REQUIREMENTS AS DELINEATED ON ELECTRICAL DRAWINGS AND AS REQUIRED FOR EQUIPMENT INSTALLATION.

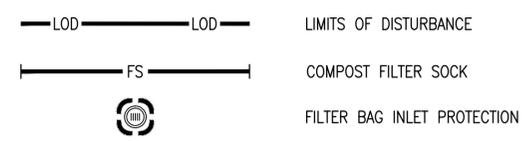
### SHEET KEYNOTES

- LIMIT OF DISTURBANCE.
- COMPOST FILTER SOCK. SEE DETAIL 'B1' ON SHEET C-502.
- FILTER BAG INLET PROTECTION. SEE DETAIL 'B4' ON SHEET C-503.

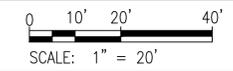
### SEQUENCE OF CONSTRUCTION

- INSTALL COMPOST FILTER SOCK AND FILTER BAG INLET PROTECTION DEVICES. REFER TO SHEETS C-002, C-502 AND C-503 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
- PERFORM DEMOLITION ACTIVITIES SHOWN ON SHEET CD101. TEMPORARILY STABILIZE ALL DISTURBED AREAS WITH PENNDOT #2A AGGREGATE.
- PERFORM CONSTRUCTION ACTIVITIES SHOWN ON SHEETS C-102 THRU C-104. TEMPORARILY STABILIZE ALL DISTURBED AREAS WITH PENNDOT #2A AGGREGATE.
- INSTALL 10" ROOF DRAIN.
- INSTALL REMAINDER OF SITE IMPROVEMENTS.
- PERFORM FINAL GRADING.
- INSTALL PAVEMENT SUBBASE, PENNDOT #2A AGGREGATE.
- SEED AND MULCH DISTURBED AREAS NOT TO RECEIVE RIGID OR FLEXIBLE PAVEMENTS.
- UPON STABILIZATION OF ALL DISTURBED AREAS, REMOVE ALL SEDIMENT CONTROLS.
- PERFORM FINAL PAVEMENT OPERATIONS.

### EROSION AND SEDIMENT CONTROL LEGEND



### GRAPHIC SCALE



### CIVIL EROSION AND SEDIMENT CONTROL PLAN

SCALE: 1" = 20'

