AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
	1		11

2. AMENDMENT/MODIFICAITON NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicble)
AMENDMENT NO. 0001	05/12/10		10-0207

6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than Item 6)	CODE
Officer in Charge of Construction MCI-East 1005 Michael Road Camp Lejeune, NC 28547-2521	mks	See Item 6	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(X)	9A. AMENDMENT OF SOLICIATION NO.
	x	N40085-10-R-00207
		9B. DATED (SEE ITEM 11) 05/12/10
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 11)
CODE / FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[x] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [ ] is extended, [x] is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a)By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPIRATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [ ] is not, [ ] is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

10-0207, P-725, Upgrade Fuel Pump Station MCAS New River

1. Incorporate the attached drawings into the project/contract: NAVFAC Drawing Nos. 12556456, 12556457, 12556458, 12556459, 12556460, 12556461 and 12556462. These seven drawings are

2. Incorporate the attached scope of work for "Soil Excavation" into the project/contract.

(CONTINUED)

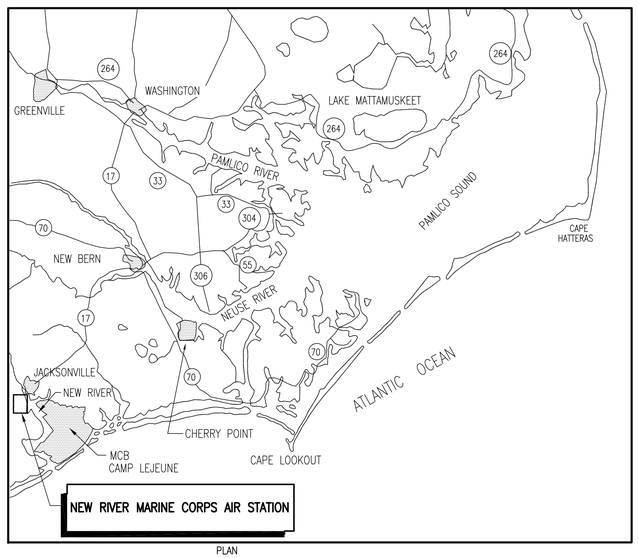
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED

MILCON P-725, PUMP STATION UPGRADES

TEMPORARY PUMP STATION AMENDMENT
MCAS NEW RIVER, JACKSONVILLE, NORTH CAROLINA
NAVAL FACILITIES ENGINEERING COMMAND ~ MID-ATLANTIC DIVISION
MARINE CORPS NC IPT ENGINEERING DEPARTMENT

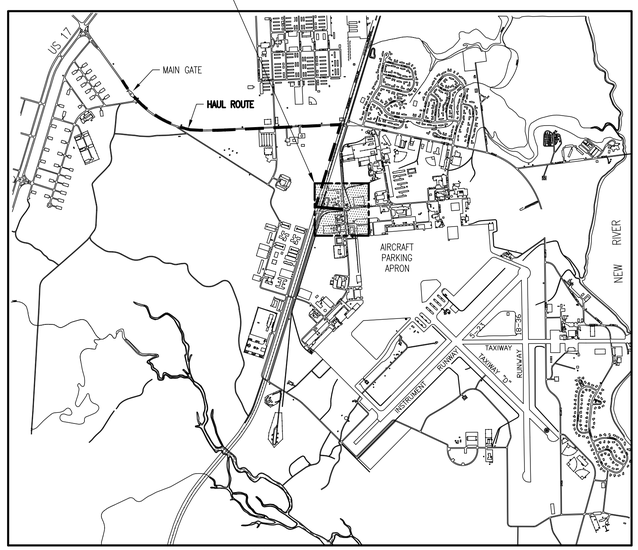
A/E CONTRACT CONTRACT NO: N40085-06-D-8009
WORK ORDER NO. 859348



PLAN NORTH

VICINITY MAP
SCALE: NONE

INDEX OF DRAWINGS			
SHEET NO	NAVFAC NO	DWG NO	SHEET TITLE
GENERAL			
1	12556456	G-003	AMENDMENT TITLE SHEET, INDEX OF DRAWINGS
2	12556457	G-004	AMENDMENT GENERAL NOTES & SEQUENCE OF CONSTRUCTION
MECHANICAL			
3	12556458	M-101	MECHANICAL SITE PLAN & NOTES
4	12556459	MD401A	PUMP PAD DEMOLITION
5	12556460	M-404	TEMPORARY PUMP STATION
ELECTRICAL			
6	12556461	E-403	ELECTRICAL PLAN AND DETAILS
7	12556462	E-603	SCHEDULE AND ONE-LINE DIAGRAM



PLAN NORTH

LOCATION MAP
SCALE: NONE

ALL DIMENSIONS WITHOUT A DECIMAL POINT ARE MILLIMETERS AND ALL THOSE WITH A DECIMAL POINT ARE METERS, UNLESS OTHERWISE NOTED

SYM	DATE	DESCRIPTION	APPR

NAVFAC

COMMONWEALTH OF VIRGINIA
BRYAN M. STRAYER
Lic. No.040268
PROFESSIONAL ENGINEER

APPROVED
FOR COMMANDER NAVFAC DATE
APPROVED
ACTIVITY – SATISFACTORY TO DATE
PM/DM
DES DRC DRW MHK CHK WVB
FIRE PROTECTION
BRANCH MANAGER
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
JACKSONVILLE, NORTH CAROLINA
MCAS NEW RIVER
MCAS NEW RIVER, JACKSONVILLE, NORTH CAROLINA
MILCON P-725, PUMP STATION UPGRADES
AMENDMENT TITLE SHEET, INDEX OF DRAWINGS

CODE ID. NO. 80091 SIZE D
SCALE: AS NOTED
MAXIMO NO.
JOB ORDER NO.
WORK ORDER NO. 859348
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12556456
SHEET 1 OF 7
G-003

AUSTIN BROCKENBROUGH & ASSOCIATES, L.L.P.
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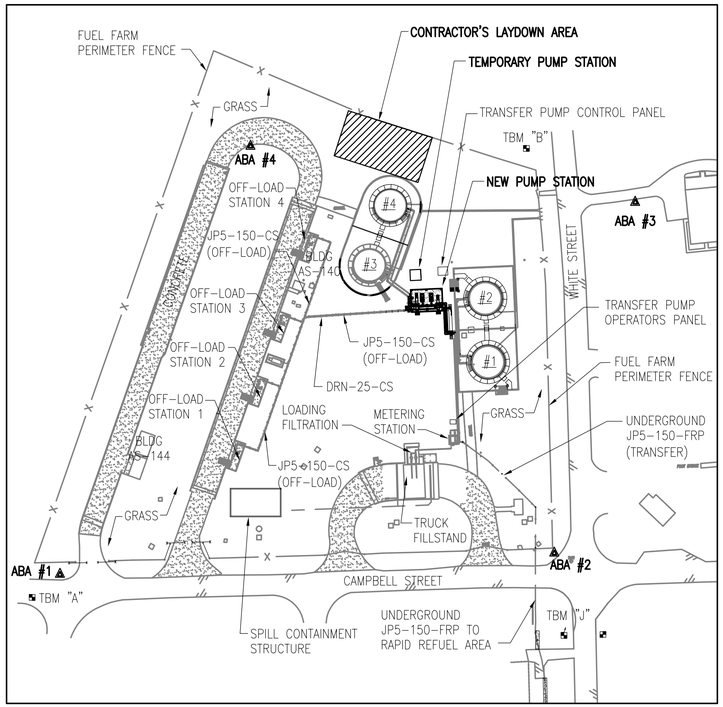
P.O. Box 4800 Chester, Virginia 23831

DRAWFORM REVISION: 6 AUG 2007

FILE NAME: C:\09 Jobs\09-057 Pump Station Upgrades - MCAS New River\CAD-Amendment\(V)G-001 TITLE SHEET, INDEX OF DRAWINGS.dwg LAYOUT NAME: G-003 AMENDMENT TITLE SHEET INDEX OF DRAWINGS PLOTTED: Friday, April 23, 2010 - 12:14pm USER: mkessouh



PLAN NORTH

TANK FARM SITE PLAN

SCALE: 1:1000

PROJECT SCOPE

1. THIS PROJECT WILL PROVIDE A NEW JP-5 PUMP STATION AND DEMOLISH THE EXISTING JP-5 PUMP STATION. THE NEW JP-5 PUMP STATION SHALL INCLUDE (2) 37.8 L/s CENTRIFUGAL PUMPS AND ALL ASSOCIATED PIPING, VALVES, EQUIPMENT AND APPURTENANCES.
2. ANOTHER PROJECT TO REMOVE AND REPLACE CONTAMINATED SOILS WILL BE UNDER WAY AT THE TANK FARM AT THE SAME TIME AS THIS PROJECT. COORDINATION WILL BE REQUIRED WITH THE CONTAMINATED SOILS CONTRACTOR. THIS COORDINATION SHALL BE ACCOMPLISHED THROUGH COMMUNICATION WITH THE CONTRACTING OFFICER, WHO WILL HAVE AUTHORITY OVER BOTH PROJECTS.
3. THIS AMENDMENT WILL PROVIDE A TEMPORARY PUMP STATION THAT WILL ALLOW THE FACILITY TO OPERATE DURING THE SOIL REMEDIATION PROJECT THAT WILL REQUIRE THE EXISTING PUMP STATION TO BE COMPLETELY REMOVED.

GENERAL NOTES

1. AT THE START OF CONSTRUCTION, THE FACILITY SHALL BE ASSUMED TO BE IN AN OPERATIONAL CONDITION. THE CONTRACTOR SHALL ASSUME THAT ALL MECHANICAL (PIPING, PUMPS, ETC.) AND ELECTRICAL (TRANSFORMERS, MOTOR CONTROL CENTERS, DISTRIBUTION PANELS, LIGHTING, ETC.) SYSTEMS ARE INTACT, FULL OF PRODUCT, ENERGIZED AND OPERATIONAL UNLESS OTHERWISE NOTED. THE GOVERNMENT WILL RETAIN OPERATIONAL CONTROL OF THE EXISTING FACILITY THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR TAKING MECHANICAL AND ELECTRICAL SYSTEMS OUT OF OPERATION TO PERFORM THE INDICATED WORK, AND THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR RETURNING THE SYSTEM BACK TO OPERATIONAL CONDITION. NO EXCEPTION SHALL BE PERMITTED, UNLESS OTHERWISE INDICATED. FOR EXAMPLE, AT THE START OF THE PROJECT THE CONTRACTOR SHALL BE RESPONSIBLE FOR, BUT NOT LIMITED TO, REMOVING FLANGES, BOLTS AND GASKETS, DISCONNECTION OF POWER AND UTILITIES, ETC. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR, BUT NOT LIMITED TO, PROVIDING FLANGE BOLTS AND GASKETS, FILLING THE SYSTEM WITH PRODUCT, CONNECTION OF POWER AND UTILITIES, START-UP AND COMMISSIONING, ETC. ALL FUEL REQUIRED FOR START-UP AND COMMISSIONING WILL BE PROVIDED BY THE GOVERNMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TRUCKS AND PERSONNEL REQUIRED FOR THE TESTING, STARTING AND COMMISSIONING PHASES OF THE PROJECT.
2. DRAWINGS INDICATE GENERAL DESIGN AND LAYOUT REQUIREMENTS AND SHALL NOT BE CONSIDERED FABRICATION DRAWINGS OR SHOP DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO GENERATE FABRICATION DRAWINGS AND SHOP DRAWINGS WHEN NECESSARY AND/OR SPECIFIED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE CONSTRUCTION BY THE VARIOUS TRADES AND DISCIPLINES EMPLOYED BY THE CONTRACTOR. NO ADDED COMPENSATION SHALL BE PERMITTED FOR VARIATION DUE TO LACK OF COORDINATION BY THE CONTRACTOR BETWEEN TRADES AND DISCIPLINES.
3. DRAWINGS SHOW MECHANICAL AND ELECTRICAL SYSTEMS IN DIMENSIONED PLANS AND SECTIONS. THE DRAWINGS DO NOT ATTEMPT TO SHOW EXACT DETAILS OF ALL PIPING, CONDUIT, EQUIPMENT, OFFSETS, FITTINGS, APPURTENANCES, ETC. THAT MAY BE REQUIRED TO SUIT COORDINATION WITH SELECTED EQUIPMENT. FIELD VERIFY ALL EXISTING PIPE, CONDUIT, EQUIPMENT SIZES, ELEVATIONS, PENETRATIONS, INTERFACES WITH NEW WORK, ETC. AND VERIFY ALL DIMENSIONS, ELEVATIONS, CONNECTIONS, ETC. THAT ARE DETERMINED BY EQUIPMENT SELECTION. ADJUST SYSTEMS TO ENSURE THAT EQUIPMENT, PIPE, CONDUIT, APPURTENANCES, ETC. CAN BE INSTALLED IN THE ALLOTTED SPACE. NO ADDED COMPENSATION SHALL BE PERMITTED FOR VARIATION DUE TO EQUIPMENT SELECTION.
4. CLEANUP OF ANY FUEL SPILLED AND/OR ANY REQUIRED REMEDIATION OF SOIL OR GROUNDWATER RESULTING FROM A FUEL SPILL DURING THIS PROJECT SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
5. THESE PLANS DO NOT GUARANTEE THE EXISTENCE, NONEXISTENCE, TYPE, OR LOCATION OF UNDERGROUND UTILITIES. NO SUBSURFACE UTILITY INVESTIGATION WAS PERFORMED. THE UTILITIES SHOWN ARE BASED ON ABOVEGROUND UTILITY STRUCTURES SUCH AS MANHOLES, VALVE BOXES, AND AVAILABLE UTILITY MAPS. THE CONTRACTOR SHALL LOCATE AND VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL HAND DIG WITHIN THREE FEET OF ALL EXISTING UTILITIES.
6. ALL WORK AND MATERIAL IS NEW AND SHALL BE PROVIDED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. EXISTING FEATURES ARE TYPICALLY SHOWN USING A LIGHT LINE WEIGHT SIMILAR TO THIS TEXT. NEW FEATURES ARE TYPICALLY SHOWN USING A HEAVY LINE WEIGHT SIMILAR TO THIS TEXT AND ARE DELINEATED WITH CONNECT TO EXISTING SYMBOLS.
7. THE PUMP STATION UPGRADES INDICATED ON THESE PLANS WERE ORIGINALLY DESIGNED AS PART OF ANOTHER PROJECT THAT WAS COMPLETED IN 2008, BUT WAS REMOVED FROM THAT SCOPE OF WORK. THESE PLANS SHOW THE PUMP STATION UPGRADES INCLUDING THE CONNECTIONS TO THE EXISTING SYSTEM.

GOVERNING REGULATIONS

UNITED FACILITIES CRITERIA
UFC 3-460-01 "DESIGN: PETROLEUM FUELING FACILITIES"

UFC 3-600-01 "DESIGN: FIRE PROTECTION ENGINEERING FOR FACILITIES"

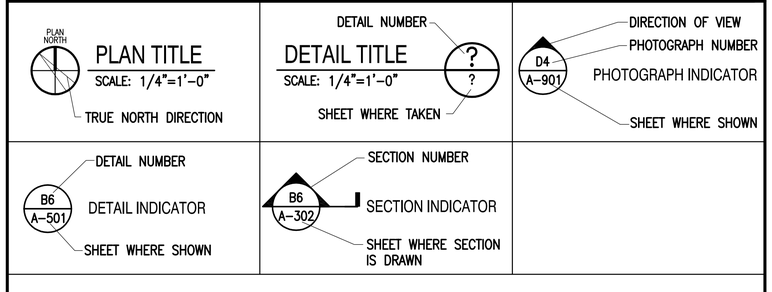
ELECTRICAL CODE
NFPA 70 "NATIONAL ELECTRIC CODE"

FIRE PREVENTION & LIFE SAFETY CODES
NFPA 1 "UNIFORM FIRE CODE"

NFPA 101 "LIFE SAFETY CODE"

NFPA 30 "FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE"

GENERAL SYMBOLS



SEQUENCE OF CONSTRUCTION

1. ALL OUTAGES ARE CALENDAR DAYS, NOT WORKING DAYS. CONTRACTOR SHALL GIVE (30) CALENDAR DAYS NOTICE FOR ALL OUTAGES.
2. THE CONTRACTOR SHALL RELOCATE THE ACCESS STAIR PLATFORM LOCATED TO THE WEST OF TANK #2.
3. THE CONTRACTOR SHALL HAVE A (2) DAY OUTAGE TO CONNECT THE TANK #1 ISSUE AND RECEIPT PIPING INTO THE TANK #2 ISSUE AND RECEIPT PIPING. DURING THIS OUTAGE, TANKS #3 AND #4 SHALL BE FULLY OPERATIONAL, BUT TANKS #1 AND #2 WILL BE OUT OF SERVICE.
4. THE CONTRACTOR SHALL HAVE A (2) DAY OUTAGE TO CONNECT THE TANK #3 ISSUE AND RECEIPT PIPING INTO THE TANK #4 ISSUE AND RECEIPT PIPING. DURING THIS OUTAGE, TANKS #1 AND #2 SHALL BE FULLY OPERATIONAL, BUT TANKS #3 AND #4 WILL BE OUT OF SERVICE.
5. AT THIS POINT, THE TEMPORARY PUMP STATION SHALL BE CONSTRUCTED AND CONNECTED TO THE EXISTING STORAGE TANKS, THE OFF-LOADING RECEIPT LINE, AND FILLSTAND/TRANSFER ISSUE PIPING. THE CONSTRUCTION OF THE TEMPORARY PUMP STATION SHALL PROCEED AS FOLLOWS:
   a. THE CONTRACTOR SHALL BEGIN BY CONSTRUCTING THE TEMPORARY PUMP STATION TO THE FULLEST EXTENT POSSIBLE WITHOUT INTERRUPTING NORMAL FUELING OPERATIONS. THIS SHALL INCLUDE THE CONCRETE PAD, THE ELECTRICAL SYSTEMS, AND A PORTION OF THE TEMPORARY PIPING (FROM TANKS #1, #2, #3 AND #4, THE OFF-LOADING RECEIPT LINE, AND TO THE TRANSFER PIPELINE/TRUCK ISSUE PIPING).
   b. ONCE THE TEMPORARY SYSTEM IS IN PLACE, THE CONTRACTOR SHALL HAVE A (7) DAY OUTAGE TO RELOCATE PUMPS #3 AND #4 TO THE TEMPORARY PAD AND MAKE THE TIE-IN TO TANKS #3 AND #4. THE TEMPORARY ELECTRICAL AND CONTROL CONNECTIONS TO THE EXISTING TRANSFER PUMP CONTROL PANEL SHALL ALSO BE COMPLETED AT THIS TIME. DURING THIS OUTAGE, TANKS #3 AND #4 SHALL BE OUT OF SERVICE AND TANKS #1 AND #2 SHALL BE FULLY OPERATIONAL USING PUMPS #1 AND #2. FOR DETAILS ON THE ELECTRICAL WORK, SEE THE "ELECTRICAL SCOPE OF WORK" ON DRAWING E-001A
   c. AFTER TANKS #3 AND #4 ARE FULLY CONNECTED AND THE RELOCATED PUMPS ARE IN PLACE AND OPERATIONAL, THE CONTRACTOR SHALL HAVE A (2) DAY OUTAGE TO CONNECT THE FILLSTAND/TRANSFER ISSUE PIPING AND THE OFF-LOADING RECEIPT PIPING INTO THE TEMPORARY SYSTEM. DURING THIS OUTAGE THE ENTIRE FUEL SYSTEM WILL BE OUT OF SERVICE. AT THE COMPLETION OF THIS OUTAGE, THE TEMPORARY PUMP STATION WILL BE OPERATIONAL, WITH THE CAPABILITY TO RECEIVE FUEL INTO TANKS #3 AND #4 AND TO ISSUE FROM TANKS #3 AND #4 TO THE TRANSFER PIPELINE AND THE TRUCK FILLSTAND.
   d. THE CONTRACTOR SHALL THEN CONNECT THE TANK #1 AND #2 PIPING TO THE TEMPORARY PUMP STATION WITH ONLY A NEGLIGIBLE OUTAGE. UPON COMPLETION, THE TEMPORARY PUMP STATION SHALL BE FULLY OPERATIONAL.
   e. THE DEMOLITION OF THE EXISTING PUMP STATION SHALL THEN BE COMPLETED.
5. ONCE THE TEMPORARY PUMPING STATION IS FULLY OPERATIONAL AND THE EXISTING PUMP PAD HAS BEEN DEMOLISHED IN ITS ENTIRETY, THE CONTAMINATED SOILS EXCAVATION WORK SHALL BE PERFORMED BY A SEPARATE CONTRACTOR.
6. UPON COMPLETION OF THE SOILS REMEDIATION PROJECT, THE CONTRACTOR SHALL CONSTRUCT THE NEW PUMP STATION TO THE FULLEST EXTENT POSSIBLE WITHOUT INTERRUPTING THE FUELING OPERATIONS OF THE TEMPORARY PUMP STATION.
7. THE CONTRACTOR SHALL THEN HAVE A (3) DAY OUTAGE OF THE ENTIRE SYSTEM TO MAKE THE FINAL CONNECTIONS FROM THE STORAGE TANKS, OFF-LOADING RECEIPT PIPING AND ISSUE PIPING TO THE NEW PUMP STATION. ALL ELECTRICAL AND CONTROL CONNECTIONS SHALL ALSO BE COMPLETED DURING THIS FINAL OUTAGE.

CONTAMINATED SOILS/HAZARDOUS MATERIALS

1. NO ENVIRONMENTAL ASSESSMENT OF THE SOIL OR GROUNDWATER HAS BEEN PERFORMED ON THE SITE BY THE DESIGNER. FOR BASIS OF BID, ASSUME ALL SOIL AND GROUNDWATER ENCOUNTERED DURING CONSTRUCTION ACTIVITIES IS CONTAMINATED.
2. A SOIL REMEDIATION PROJECT PERFORMED BY A SEPARATE CONTRACTOR WILL BE ONGOING AT THE SITE DURING THE TIME OF CONSTRUCTION. THIS REMEDIATION PROJECT WILL REMOVE AND REPLACE CONTAMINATED SOILS AT THE TANK FARM. THE CONTAMINATED SOILS CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, TRANSPORT, STORAGE, AND DISPOSAL OF ALL CONTAMINATED SOILS ENCOUNTERED AT THIS SITE.
3. COORDINATION OF CONSTRUCTION ACTIVITIES WITH THE SOIL REMEDIATION CONTRACTOR WILL BE REQUIRED AS DESCRIBED ABOVE IN THE SEQUENCE OF CONSTRUCTION. ALL COORDINATION WILL BE MANAGED THROUGH THE CONTRACTING OFFICER.
4. AN ENVIRONMENTAL ASSESSMENT FOR ASBESTOS, LEAD, CADMIUM, CHROMIUM AND OTHER RCRA METALS WAS PERFORMED IN THE AREA FOR A PREVIOUS PROJECT. THE REPORT AND SPECIFICATION DETAILING HOW TO HANDLE THE HAZARDOUS MATERIALS ARE CONTAINED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL ASSUME THE FOLLOWING ITEMS AS A BASIS OF BID:
   A. ALL EXISTING PIPE GASKETS CONTAIN NON-FRIABLE ASBESTOS AND SHALL BE HANDLED IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 16.00 20 "ENGINEERING CONTROL OF ASBESTOS CONTAINING MATERIAL".
   B. EXISTING PIPE COATING SYSTEMS HAVE BEEN DETERMINED TO CONTAIN A LEAD CONCENTRATION ABOVE THE LABORATORIES MINIMUM DETECTION LIMIT AND SHALL BE HANDLED IN ACCORDANCE WITH SPECIFICATIONS SECTION 02 83 13.00 20 "LEAD IN CONSTRUCTION".
   C. EXISTING COATINGS OF STRUCTURAL STEEL AND OTHER COMPONENTS CONTAIN LEAD, CADMIUM, CHROMIUM AND OTHER RCRA METAL CONCENTRATIONS ABOVE THE LABORATORY MINIMUM DETECTION LIMIT AND SHALL BE HANDLED IN SUCH A MANNER AS TO ENSURE PROTECTION OF WORKERS AND THE ENVIRONMENT.

GRAPHIC SCALE(S):

1:1000 — 0 — 20.00 — 50.00 — 100.00 m

ALL DIMENSIONS WITHOUT A DECIMAL POINT ARE MILLIMETERS AND ALL THOSE WITH A DECIMAL POINT ARE METERS, UNLESS OTHERWISE NOTED

AUSTIN BROCKENBROUGH & ASSOCIATES, L.L.P.
Consulting Engineers
P.O. Box 4800 Chester, Virginia 23831

APPR | DATE | DESCRIPTION | SYM

NAVFAC

COMMONWEALTH OF VIRGINIA
BRYAN M. STRAYER
Lic. No.040268
PROFESSIONAL ENGINEER

APPROVED
FOR COMMANDER NAVFAC DATE
APPROVED
ACTIVITY - SATISFACTORY TO DATE
PM/DM
DES BMS | DRW MHK | CHK WVB
FIRE PROTECTION
BRANCH MANAGER
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
JACKSONVILLE, NORTH CAROLINA
MCAS NEW RIVER
JACKSONVILLE, NORTH CAROLINA

MILCON P-725, PUMP STATION UPGRADES

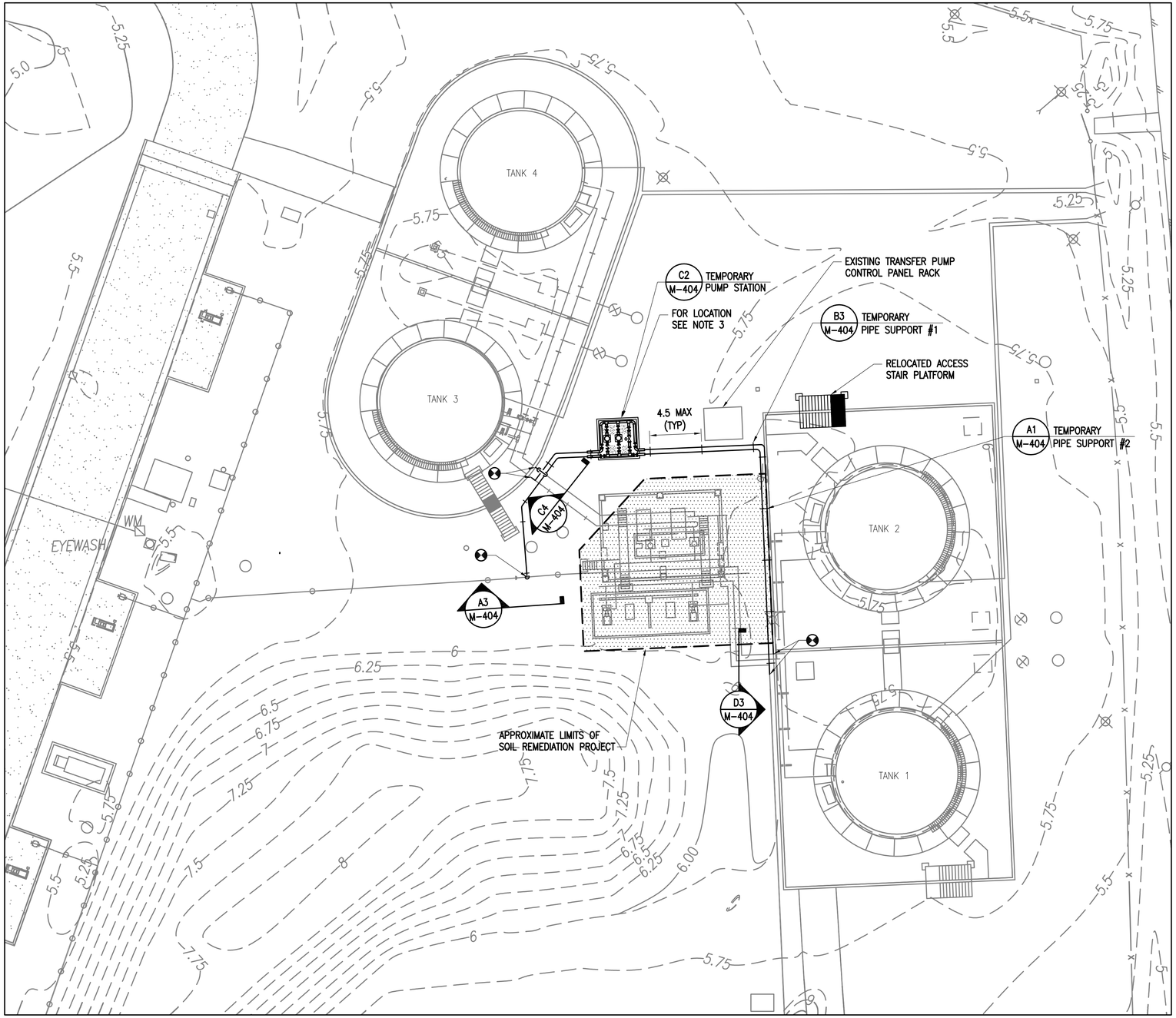
AMENDMENT GENERAL NOTES & SEQUENCE OF CONSTRUCTION

CODE ID. NO. 80091 | SIZE D
SCALE: AS NOTED
MAXIMO NO.
JOB ORDER NO.
WORK ORDER NO. 859348
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12556457
SHEET 2 OF 7

G-004

DRAWFORM REVISION: 6 AUG 2007

FILE NAME: G:\09 Jobs\09-057 Pump Station Upgrades - MCAS New River\CAD-Amendment\G\G-004 AMENDMENT GENERAL NOTES & SEQUENCE OF CONSTRUCTION.dwg LAYOUT NAME: G-004 AMENDMENT GE
PLOTTED: Thursday, April 29, 2010 - 9:07am USER: mkessouh



PLAN NORTH

MECHANICAL SITE PLAN

SCALE: 1:200

NOTES:

1. CONSTRUCTION OF TEMPORARY PUMP STATION SHALL PROCEED AS DESCRIBED IN THE SEQUENCE OF CONSTRUCTION ON SHEET G-004.
2. ALL MATERIALS AND EQUIPMENT USED FOR THE TEMPORARY PUMP STATION SHALL BE DEMOLISHED AND REMOVED FROM THE SITE ONCE THE NEW PUMP STATION HAS BEEN COMPLETED.
3. CONTRACTOR SHALL VERIFY THE LIMITS OF THE SOIL REMEDIATION PROJECT BEFORE CONSTRUCTION OF THE TEMPORARY PUMP STATION BEGINS. TEMPORARY PUMPING STATION SHALL BE LOCATED APPROXIMATELY HALFWAY BETWEEN THE EXISTING PUMP CONTROL PANEL RACK AND THE CONCRETE DIKE WALL FOR TANKS #3 AND #4, AND AS NECESSARY TO ALLOW SOIL REMEDIATION CONTRACTOR TO PERFORM HIS WORK WITHOUT INTERFERENCE.
4. USE "TEMPORARY PIPE SUPPORT #2" ALONG THE TANKS #1 AND #2 DIKE WALL (6 LOCATIONS). ALL OTHER SUPPORTS USED FOR THE TEMPORARY PUMP STATION PIPING SHALL BE "TEMPORARY PIPE SUPPORT #1" (10 LOCATIONS).

GRAPHIC SCALE(S):

1:200 — 0 — 4.00 — 10.00 — 20.00 m

ALL DIMENSIONS WITHOUT A DECIMAL POINT ARE MILLIMETERS AND ALL THOSE WITH A DECIMAL POINT ARE METERS, UNLESS OTHERWISE NOTED

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P.O. Box 4800 Chester, Virginia 23831

APPR | DATE | DESCRIPTION | SYM

NAVFAC

COMMONWEALTH OF VIRGINIA
BRYAN M. STRAYER
Lic. No.040268
PROFESSIONAL ENGINEER

APPROVED

FOR COMMANDER NAVFAC DATE

APPROVED

ACTIVITY – SATISFACTORY TO DATE

PM/DM

DES BMS | DRW MHK | CHK WVB

FIRE PROTECTION

BRANCH MANAGER

CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
JACKSONVILLE, NORTH CAROLINA
MCAS NEW RIVER
MCAS NEW RIVER
JACKSONVILLE, NORTH CAROLINA

MILCON P-725, PUMP STATION UPGRADES

MECHANICAL SITE PLAN & NOTES

CODE ID. NO. 80091 | SIZE D

SCALE: AS NOTED

MAXIMO NO.

JOB ORDER NO.

WORK ORDER NO. 859348

CONSTR. CONTR. NO.

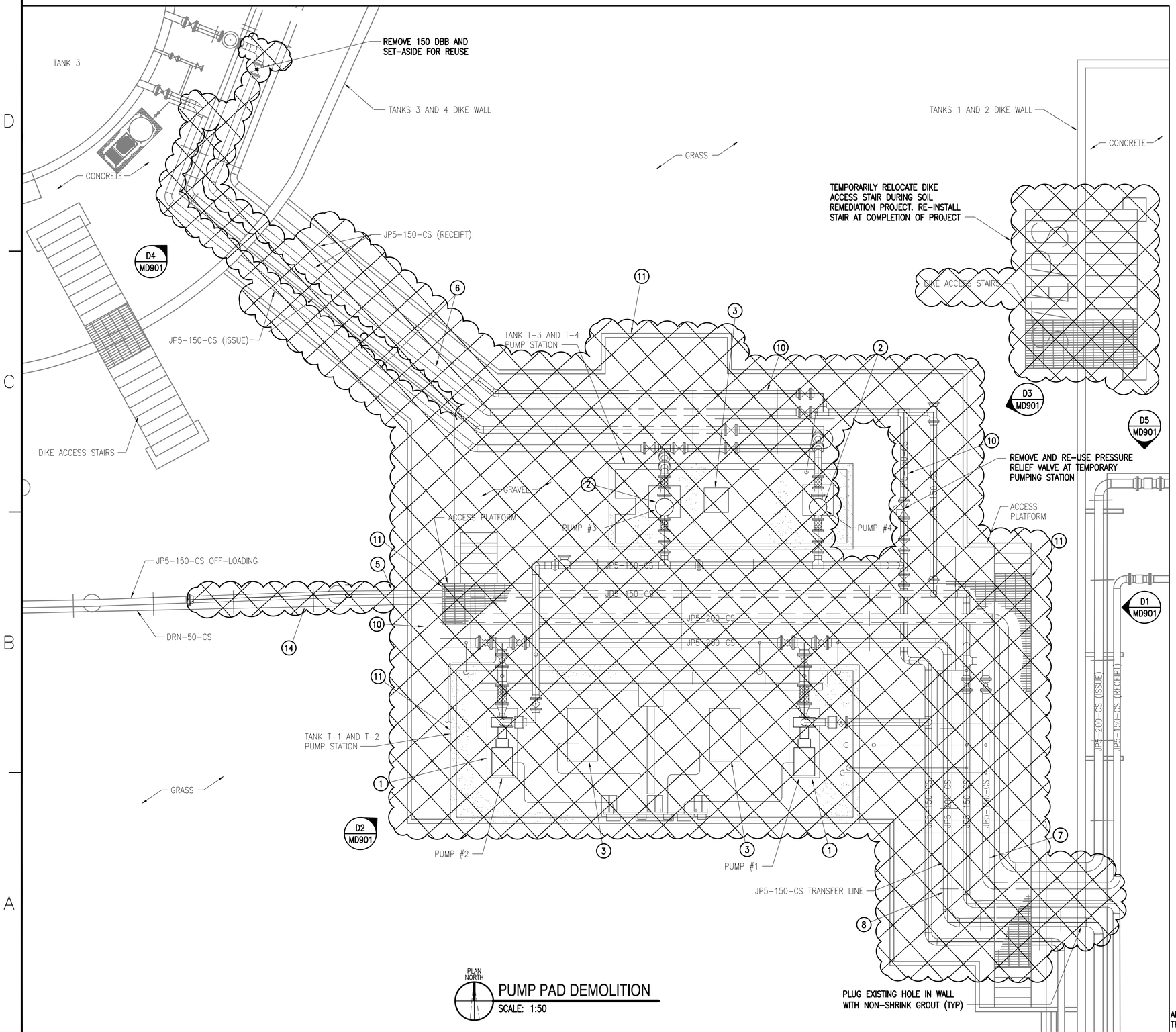
NAVFAC DRAWING NO. 12556458

SHEET 3 OF 7

M-101

DRAWFORM REVISION: 6 AUG 2007

FILE NAME: C:\09 Jobs\09-057 Pump Station Upgrades - MCAS New River\CAD-Amendment\M\M-101 MECHANICAL SITE PLAN.dwg LAYOUT NAME: M-101 MECHANICAL SITE PLAN & NOTES PLOTTED: Thursday, April 29, 2010 - 9:03am USER: mkessouh



PUMP PAD DEMOLITION

SCALE: 1:50

DEMOLITION NOTES:

THE DEMOLITION WORK INDICATED ON THIS SHEET SHALL BE PERFORMED IN THE SEQUENCE DESCRIBED ON G-004.

(1) DEMOLISH AND REMOVE PUMP 1 AND PUMP 2 AND ALL ASSOCIATED PADS, PIPING AND APPURTENANCES. PUMP DATA IS AS FOLLOWS:

PUMP: DEAN PUMPS, MODEL R5114
3x4x8 1/2 HORIZONTAL CENTRIFUGAL
50 HP, 3500 RPM, 3ø, 60 HZ, 480 V

(2) PUMPS 3 & 4, PIPING, SELECTED EQUIPMENT AND VALVES SHALL BE REMOVED AND RE-USED FOR THE TEMPORARY PUMPING STATION. WHEN THE TEMPORARY PUMPING STATION IS NO LONGER REQUIRED, THE PUMPS, PIPING, EQUIPMENT, AND VALVES SHALL BE DEMOLISHED AND REMOVED.

PUMP: MUELLER PUMP
VERTICAL IN-LINE CENTRIFUGAL
40 HP, 3ø, 60 HZ, 480 V

(3) DEMOLISH AND REMOVE EXISTING CONCRETE EQUIPMENT SUPPORT.

(4) 150 mm TRUCK OFF-LOADING PIPING TO REMAIN INTACT WEST OF THE FLANGES.

(5) DEMOLISH AND REMOVE TANK 3 RECEIPT AND ISSUE PIPING AS REQUIRED FOR NEW TIE-INS.

(6) DEMOLISH AND REMOVE TANK 1 RECEIPT PIPING AND APPURTENANCES AS REQUIRED FOR NEW TIE-INS.

(7) DEMOLISH AND REMOVE TANK 2 PIPING AND ASSOCIATED APPURTENANCES AS REQUIRED FOR NEW TIE-INS.

(9) DEMOLISH AND REMOVE JP-5 FUEL PIPING AND ASSOCIATED SUPPORTS AND APPURTENANCES.

(10) DEMOLITION OF CONCRETE PADS, GRAVEL AREAS, ACCESS PLATFORMS, ETC:

A. REMOVE (2) REINFORCED CONCRETE PUMP STATION PADS. FOR BIDDING PURPOSES, PADS ARE 10 000x4000 AND 6000x2000 WITH 200 THICK SLABS AND 150 WIDE CONCRETE CURB 150 HIGH. REMOVE CONCRETE PUMP AND FILTER HOUSEKEEPING PADS AND PIPE SUPPORTS.

B. REMOVE GALVANIZED STEEL PLATFORMS AND WALKWAYS. REMOVE LANDSCAPING TIMBER AROUND COARSE AGGREGATE AREAS UNDER FUEL PIPING.

(11) DEMOLISH AND REMOVE DRN-25-CS PIPING AND SUPPORTS WHERE INDICATED.

GRAPHIC SCALE(S):

1:50 — 0 1000 2000 5000 mm

ALL DIMENSIONS WITHOUT A DECIMAL POINT ARE MILLIMETERS AND ALL THOSE WITH A DECIMAL POINT ARE METERS, UNLESS OTHERWISE NOTED

AUSTIN BROCKENBROUGH & ASSOCIATES, L.L.P.
Consulting Engineers
P.O. Box 4800 Chester, Virginia 23831

APPR | DATE | DESCRIPTION | MK'S

NAVFAC

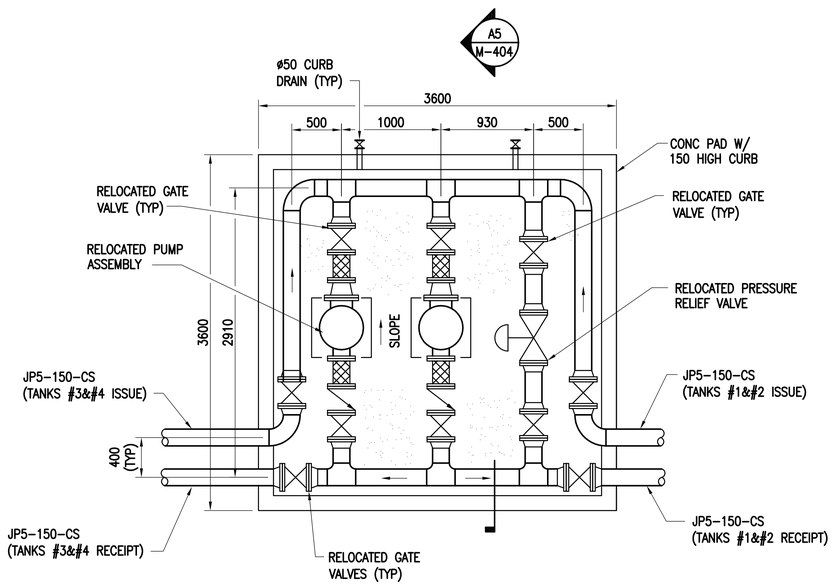
COMMONWEALTH OF VIRGINIA
BRYAN M. STRAYER
Lic. No.040268
PROFESSIONAL ENGINEER

APPROVED
FOR COMMANDER NAVFAC DATE
APPROVED
ACTIVITY - SATISFACTORY TO DATE
PM/DM
DES BMS DRW MHK CHK WVB
FIRE PROTECTION
BRANCH MANAGER
CHIEF ENG/ARCH

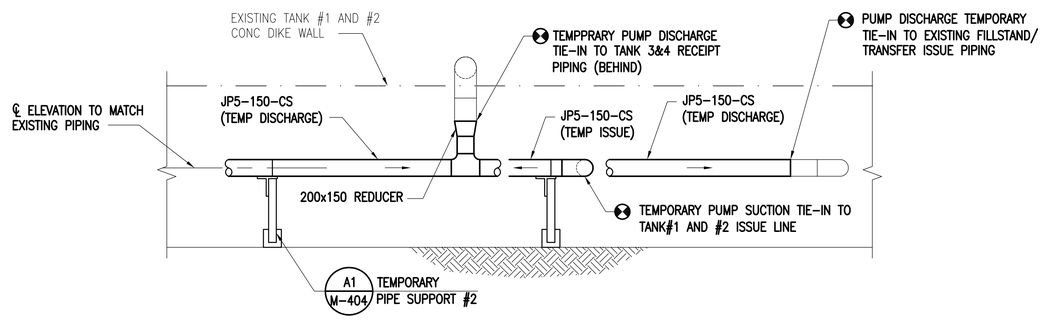
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
JACKSONVILLE, NORTH CAROLINA
MCAS NEW RIVER
MCAS NEW RIVER
JACKSONVILLE, NORTH CAROLINA
MILCON P-725, PUMP STATION UPGRADES
PUMP PAD DEMOLITION

CODE ID. NO. 80091 SIZE D
SCALE: AS NOTED
MAXIMO NO.
JOB ORDER NO.
WORK ORDER NO. 859348
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12556459
SHEET 4 OF 7
MD401A
DRAWFORM REVISION: 6 AUG 2007

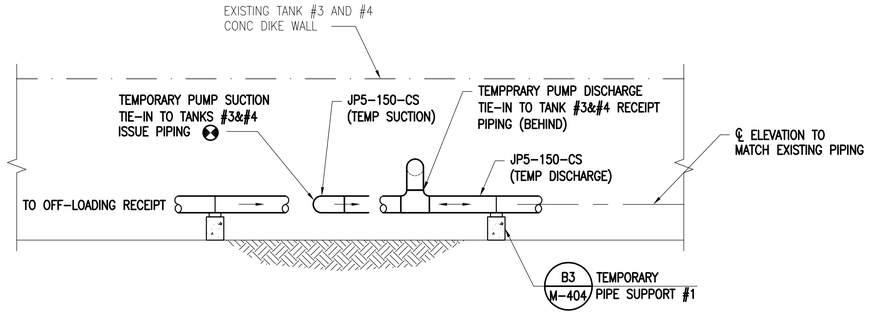
FILE NAME: G:\09 Jobs\09-057 Pump Station Upgrades - MCAS New River\CAD-Amendment\M\MD401A PUMP PAD DEMOLITION.dwg LAYOUT NAME: MD401A PUMP PAD DEMOLITION PLOTTED: Thursday, April 29, 2010 - 9:05am USER: mkessouh



TEMPORARY PUMP STATION C2 / M-101
SCALE: 1"=30'



SECTION D3 / M-101
SCALE: 1"=30'



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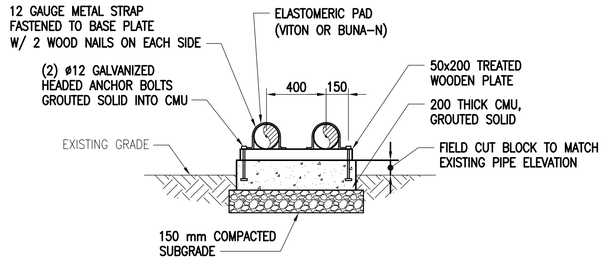
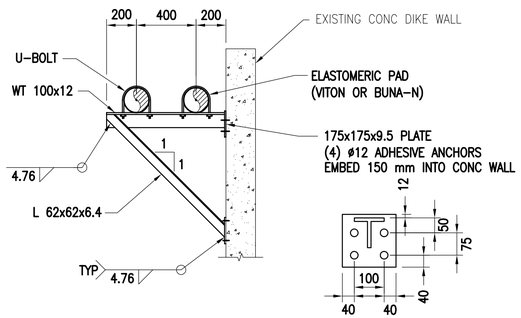
SCALE: 1"=30'



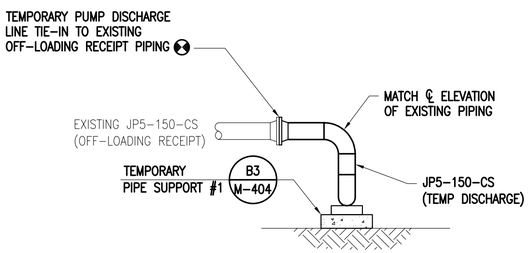
TEMPORARY PIPE SUPPORT #1 B3 / *
SCALE: NONE

* M-101, M-404

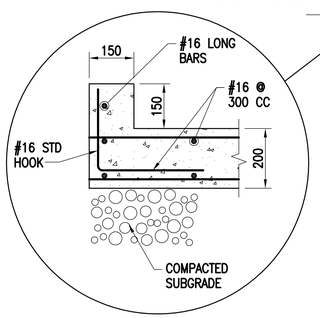


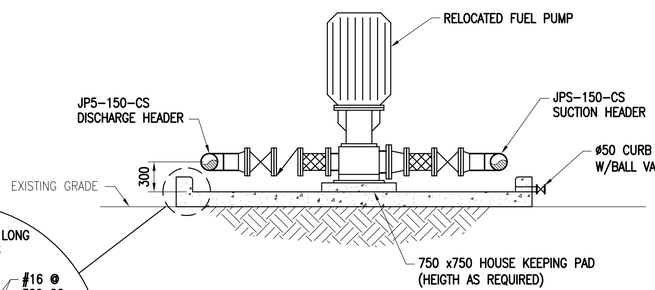
TEMPORARY PIPE SUPPORT #2 A1 / *
SCALE: NONE

* M-101, M-404



SECTION A3 / M-101
SCALE: 1"=30'





SECTION A5 / M-404
SCALE: 1"=30'

GRAPHIC SCALE(S):
1:30 — 0 1.00 2.00 3.00 m

ALL DIMENSIONS WITHOUT A DECIMAL POINT ARE MILLIMETERS AND ALL THOSE WITH A DECIMAL POINT ARE METERS, UNLESS OTHERWISE NOTED

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APPR | DATE | DESCRIPTION | SYM

NAVFAC

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BRANCH MANAGER
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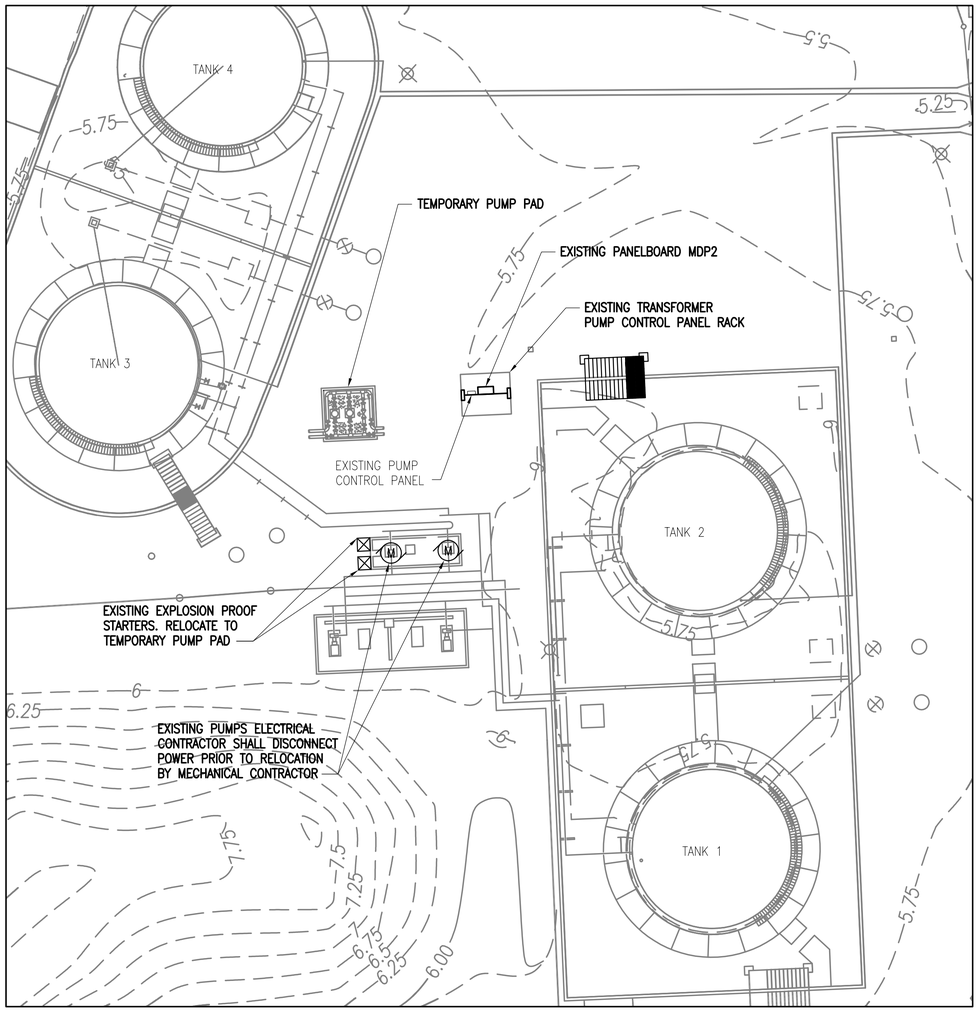
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
JACKSONVILLE, NORTH CAROLINA
MCAS NEW RIVER
JACKSONVILLE, NORTH CAROLINA

MILCON P-725, PUMP STATION UPGRADES

TEMPORARY PUMP STATION

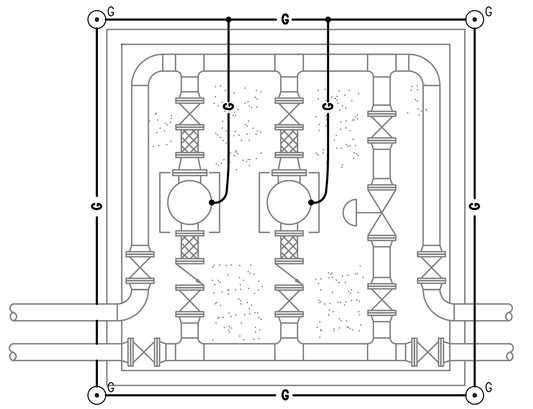
CODE ID. NO. 80091 | SIZE D
SCALE: AS NOTED
MAXIMO NO.
JOB ORDER NO.
WORK ORDER NO. 859348
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12556460
SHEET 5 OF 7
M-404
DRAWFORM REVISION: 6 AUG 2007

FILE NAME: G:\09 Jobs\09-057 Pump Station Upgrades - MCAS New River\CAD-Amendment\M\M-404 TEMPORARY PUMP STATION.dwg LAYOUT NAME: M-404 TEMPORARY PUMP STATION PLOTTED: Friday, April 23, 2010 - 12:17pm USER: mkessouh



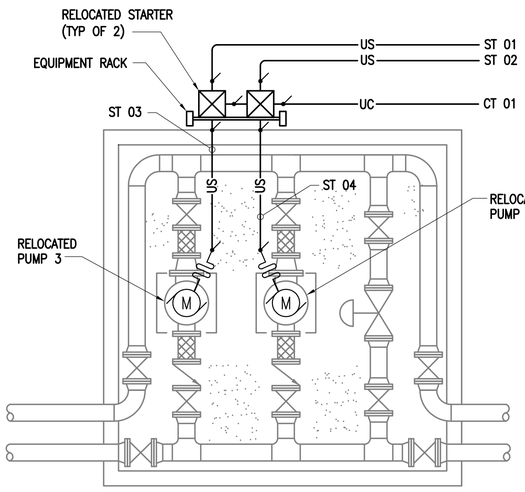
PLAN NORTH

ELECTRICAL PLAN
SCALE: 1:200



PLAN NORTH

TEMPORARY PUMP PAD GROUNDING PLAN
SCALE: 1:30



PLAN NORTH

TEMPORARY PUMP PAD POWER PLAN
SCALE: 1:30

WIRING LOGIC

STXX	INDICATES TEMPORARY POWER CIRCUIT. FOR WIRING, CONDUIT AND TERMINATIONS, SEE SCHEDULE ON E-601.
CTXX	INDICATES TEMPORARY CONTROL CIRCUIT FOR WIRING, CONDUIT AND TERMINATIONS, SEE SCHEDULE ON E-601.

TEMPORARY PUMP PAD ELECTRICAL SCOPE OF WORK:

1. DISCONNECT EXISTING PUMP 3 AND PUMP 4 PRIOR TO RELOCATION BY MECHANICAL CONTRACTOR. RELOCATE PUMP 3 STARTER AND PUMP 4 STARTER TO NEW STARTER RACK ADJACENT TO TEMPORARY PUMP PAD.
2. PROVIDE NEW POWER AND CONTROL WIRING TO RELOCATED STARTERS.
3. CONNECT PLC CONTROL INPUTS TO RELOCATED STARTERS. DISABLE ANY PLC INPUTS OR OUTPUTS NOT USED IN RELOCATED STARTERS AND DISABLE ASSOCIATED PLC FUNCTIONS.
4. AFTER SOIL REMEDIATION, INSTALATION OF PERMINANT PUMP PAD, AND INSTALATION OF P-201 AND P-202 STARTERS, REMOVE EXISTING WIRING AND CONDUIT TO PUMPS 3 AND 4 AND ENABLE ALL PLC INPUT AND OUTPUT AND FUNCTIONS THAT WERE DISABLED FOR THE TEMPORARY PUMP PAD.

GRAPHIC SCALE(S):

1:30 — 0 1000 2000 3000 mm

1:200 — 0 4.00 10.00 20.00 m

ALL DIMENSIONS WITHOUT A DECIMAL POINT ARE MILLIMETERS AND ALL THOSE WITH A DECIMAL POINT ARE METERS, UNLESS OTHERWISE NOTED

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APPR | DATE | DESCRIPTION | SYM

NAVFAC

COMMONWEALTH OF VIRGINIA
CRAIG H. MATTHEWS
No.022359
PROFESSIONAL ENGINEER

APPROVED
FOR COMMANDER NAVFAC DATE
APPROVED
ACTIVITY – SATISFACTORY TO DATE
PM/DM
DES RJK | DRW MHK | CHK WVB
FIRE PROTECTION
BRANCH MANAGER
CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
JACKSONVILLE, NORTH CAROLINA
MCAS NEW RIVER
MCAS NEW RIVER
JACKSONVILLE, NORTH CAROLINA
MILCON P-725, PUMP STATION UPGRADES
ELECTRICAL PLAN AND DETAILS

CODE ID. NO. 80091 | SIZE D
SCALE: AS NOTED
MAXIMO NO.
JOB ORDER NO.
WORK ORDER NO. 859348
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12556461
SHEET 6 OF 7
E-403

DRAWFORM REVISION: 6 AUG 2007

FILE NAME: G:\09 Jobs\09-057 Pump Station Upgrades - MCAS New River\CAD-Amendment\E\E-401A ELECTRICAL PLAN AND DETAILS.dwg LAYOUT NAME: E-403 ELECTRICAL PLAN AND DETAILS PLOTTED: Friday, April 23, 2010 - 12:18pm USER: mkessouh

TEMPORARY PUMP PAD CIRCUIT SCHEDULE

CKT NO	SOURCE	DESTINATION	CONDUCTORS	CONDUIT	REMARKS
ST 01	PANEL MOP 2 CKT 1	PUMP 3 STARTER	3 #6 & 1 #8 GND	1" C	NOTE 1
ST 02	PANEL MOP 2 CKT 2	PUMP 4 STARTER	3 #6 & 1 #8 GND	1" C	NOTE 1
ST 03	PUMP 3 STARTER	PUMP 3	3 #6 & 1 #8 GND	1" C	
ST 04	PUMP 4 STARTER	PUMP 4	3 #6 & 1 #8 GND	1" C	
CT 01	PLC	STARTER RACK	8 #12	3/4" C	

NOTE:

1. REPLACE EXISTING 3 POLE, 150A CB, CUTLER HAMMER TYPE HFD, IN PANEL MOP2 WITH NEW CUTLER HAMMER TYPE HFD 100A, 3A CB.

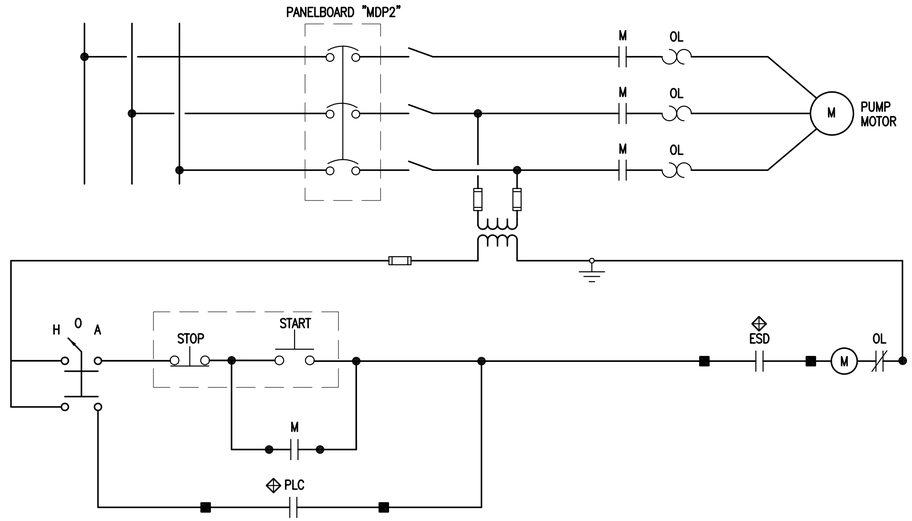
PANELBOARD "MDP2" SCHEDULE

200 A W/200A MCB, SERVICE ENTRANCE RATED, 480Y/277 V, 3 PHASE, 4 WIRE, 22 KAIC MINIMUM, RACK MOUNTED, NEMA 4X SS ENCLOSURE

LOAD SERVED	LOAD (AMPS) A	B	C	BKR TRIP	WIRE SIZE	CKT NO	PHASE A B C	CKT NO	WIRE SIZE	BKR TRIP	LOAD (AMPS) A	B	C	LOAD SERVED
PUMP 3 STARTER (SEE NOTE 2)	52			100	6	1		2	6	100	52			PUMP 4 STARTER (SEE NOTE 2)
		52										52		
			52										52	
TANK T1 MOVs	5.4			15	12	7		8	12	15	5.4			TANK T3 MOVs
		5.4										5.4		
			5.4										5.4	
TANK T2 MOVs	5.4			15	12	13		14	12	15	5.4			TANK T4 MOVs
		5.4										5.4		
			5.4										5.4	
TANK T1, T2 LIGHTING	2			15	12	19		20	12	15	2.5			TANK T3, T4, & PUMP PAD LIGHTING
PUMP PAD & T1,T2 MOV LIGHTING		0.9		15	12	21		22	10	30		21		TRANSFORMER "T10"
T3 & T4 MOV LIGHTING			0.9	15	12	23							21	
TVSS				30	10	25		26		20				SPARE
								28		20				SPARE
TOTAL	136.8	135.7	135.7								137.3	155.8	155.8	TOTAL
TOTAL CONNECTED AMPS A: 274.1 B: 291.5 C: 291.5														

PANELBOARD NOTES:

1. ALL CIRCUITS ARE EXISTING.
2. REMOVE SPARE 150A CIRCUIT BREAKERS AND PROVIDE 100A, 3 POLE CIRCUIT BREAKERS. PANELBOARD IS CUTLER-HAMMER WITH TYPE HFD CIRCUIT BREAKERS. USE NEW CIRCUIT BREAKERS TO FEED MOTOR STARTERS AT TEMPORARY PUMP PAD. AFTER INSTALLATION OF PERMANENT PUMP PAD LABEL AS "SPARE".



TEMPORARY PUMP STARTER CONTROL DIAGRAM

⏀ LOCATED IN EXISTING PUMP CONTROL PANEL

ALL DIMENSIONS WITHOUT A DECIMAL POINT ARE MILLIMETERS AND ALL THOSE WITH A DECIMAL POINT ARE METERS, UNLESS OTHERWISE NOTED

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NAVFAC

COMMONWEALTH OF VIRGINIA
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CHIEF ENG/ARCH

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
JACKSONVILLE, NORTH CAROLINA
MCAS NEW RIVER
MCAS NEW RIVER
JACKSONVILLE, NORTH CAROLINA
MILCON P-725, PUMP STATION UPGRADES
SCHEDULE AND ONE-LINE DIAGRAM

CODE ID. NO. 80091 | SIZE D
SCALE: AS NOTED
MAXIMO NO.
JOB ORDER NO.
WORK ORDER NO. 859348
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 12556462
SHEET 7 OF 7
E-603

DRAWFORM REVISION: 6 AUG 2007

FILE NAME: G:\09 Jobs\09-057 Pump Station Upgrades - MCAS New River\CAD-Amendment\E-603 SCHEDULE AND ONE-LINE DIAGRAM.dwg LAYOUT NAME: E-603 SCHEDULE AND ONE-LINE DIAGRAM PLOTTED: Friday, April 23, 2010 - 12:19pm USER: mkessouh

SCOPE OF WORK
MILCON SOIL EXCAVATION,

CAMP LEJEUNE, NORTH CAROLINA

A SCOPE

B. UTILITY LOCATION

1. The contractor will utilize the services of a utility locating subcontractor to perform a Horizontal locate of all utilities throughout the identified work zone. Utilities will be identified in compliance with standard colorimetric regulation.

C. WORK ZONE CONSTRUCTION

1 The contractor will place barricades and fencing at points of excavation and throughout the work zone in order to minimize unauthorized entry into active, exposed areas.

2 Staging areas will be identified and approved by regulatory authority.

D. EXCAVATION ACTIVITIES

1 The contractor will excavate an area approximately 53 feet wide by 82 feet long to a depth of seven feet below the existing water table. Excavated soil will be placed on a containment pad and sampled for disposal.

2 Clean backfill soil will be staged on site in order to fill the excavation as soon as the required samples are taken. Backfill soil will come from an approved North Carolina pit. If any over pit outside the Jacksonville area the backfill soil must be tested for THP DRO, TPH GRO, Oil & Grease and Totals 8 RCRA Metals before transport onto the base.

3 Backfill soil will be placed in the excavation in two foot lifts and compacted at each lift. Once the excavation elevation has reached surrounding elevation, grass seed will be applied to the surface.

E TESTING AND DISPOSAL

1. Excavated soil will be staged and sampled for disposal. The contractor will collect six four ounce jars of soil for every 200 cubic yards of soil to be disposed of. The contractor will utilize (6 to 8) four ounce jars to collect composites of soil to be sampled by an approved laboratory and tested for: TPH DRO, TPH GRO, Oil & Grease with a Silica Gel Scrub, TCLP 8 RCRA Metals and PCB's. Analytical results will be submitted to NAVFAC & I&E/EMD/EQB at MCB, Camp Lejeune for review and approval.
   Once analytical results have been approved, the contractor will coordinate disposal activities with a facility in good standing with the state. NAVFAC & EMD at MCB, Camp Lejeune will approve the facility for disposal.

PREPARED BY: NAVFAC Mid-Atlantic Navy Technical Representative (NTR)

TABLE 1
SUMMARY OF SOIL LABORATORY RESULTS
EPA METHOD 8015 (GRO-DRO)

Incident Name and No.: CSFF 2005 Fuel Port Release - 87537

Sample ID	Contaminant of Concern →		Gasoline Range Organics	Diesel Range Organics
	Date Collected	Sample Depth (ft. BLS)		
NCDENR Action Level (mg/kg)			10	40
USTCSFF-PS-SB01	11/24/2009	1-2	**24.1**	**222**
USTCSFF-PS-SB02	11/24/2009	2-3	<8.88	21.3
USTCSFF-PS-SB03	11/24/2009	1-2	<7.73	**56.6**
USTCSFF-PS-SB04	11/24/2009	2-3	<8.28	**1180**
USTCSFF-PS-SB05	11/24/2009	2-3	<7.61	2.24 J
USTCSFF-PS-SB06	11/24/2009	2-3	<8.84	18.2
USTCSFF-PS-SB07	11/24/2009	0-1	**213**	**1440**
USTCSFF-PS-DUP*	11/24/2009	0-1	**484**	**4500**
USTCSFF-PS-SB08	12/11/2009	2-3	<5.96	<7.96
USTCSFF-PS-SB09	12/11/2009	2-3	<5.17	9.95
USTCSFF-PS-SB10	12/11/2009	1-2	5.71	<7.29

All results in milligrams per kilogram (mg/kg).
* = Field duplicate collected from USTCSFF-PS-SB07 boring.
ft. BLS = Feet Below Land Surface.
< = Less than method detection limit (MDL)
J = Estimated concentration, below calibration range and above MDL
NCDENR = North Carolina Department of Environment and Natural Resources
Bold results indicate concentration above the NCDENR Action Level

TANK 3

REMOVE 150 DBB AND SAVE FOR REINSTALLATION

TANKS 3 AND 4 DIKE WALL

TANKS 1 AND 2 DIKE WALL

CONCRETE

GRASS

SB09

SB10

SB04

SB03

SB05

SB06

SB07

SB01

SB02

JP5-150-CS (RECEIPT)

JP5-150-CS (ISSUE)

DIKE ACCESS STAIRS

TANK T-3 AND T-4 PUMP STATION

TANK T-1 AND T-2 PUMP STATION

ACCESS PLATFORM

PUMP #1

PUMP #2

PUMP #3

PUMP #4

JP5-150-CS TEMPORARY T-3 RECEIPT CONNECTION (12)

JP5-150-CS TEMPORARY T-3 ISSUE CONNECTION (13)

JP5-150-CS OFF-LOADING

DRN-50-CS (14)

JP5-150-CS

JP5-200-CS

JP5-150-CS TRANSFER LINE

CSFF-EXQ-North (11)

CSFF-EXQ-Bottom (11)

CSFF-EXQ-South (1)

D1 MD901

D2 MD901

D3 MD901

D4 MD901

D5 MD901

▲ = 2008 Leaking Valve Confirmation Sample

⊕ = CATLIN Soil Sample

▬ = Estimated Excavation Extent

PLAN NORTH

PUMP PAD DEMOLITION

SCALE: 1:50

DEMOLITION NOTES:

THE DEMOLITION WORK INDICATED ON THIS SHEET SHALL BE PERFORMED IN THE SEQUENCE DESCRIBED ON G-002.

(1) DEMOLISH AND REMOVE PUMP 1 AND PUMP 2 AND ALL ASSOCIATED PADS, PIPING AND APPURTENANCES. PUMP DATA IS AS FOLLOWS:

PUMP: DEAN PUMPS, MODEL R5114
3x4x8 1/2 HORIZONTAL CENTRIFUGAL
50 HP, 3500 RPM, 3ϕ, 60 HZ, 480 V

(2) DEMOLISH AND REMOVE PUMP 3 AND PUMP 4 AND ALL ASSOCIATED PADS, PIPING AND APPURTENANCES. PUMP DATA IS AS FOLLOWS:

PUMP: MUELLER PUMP
VERTICAL IN-LINE CENTRIFUGAL
40 HP, 3ϕ, 60 HZ, 480 V

(3) DEMOLISH AND REMOVE EXISTING CONCRETE EQUIPMENT SUPPORT.

(4) DEMOLISH AND REMOVE EXISTING CONCRETE EQUIPMENT SUPPORT.

(5) 150 mm TRUCK OFF-LOADING PIPING TO REMAIN INTACT UNLESS INDICATED.

(6) DEMOLISH AND REMOVE TANK 3 RECEIPT AND ISSUE PIPING AS INDICATED.

(7) DEMOLISH AND REMOVE TANK 1 RECEIPT PIPING AND APPURTENANCES AS INDICATED.

(8) DEMOLISH AND REMOVE TANK 2 PIPING AND ASSOCIATED APPURTENANCES AS INDICATED.

(9) 150 mm TRANSFER PIPELINE SHALL REMAIN INTACT WHERE INDICATED.

(10) DEMOLISH AND REMOVE JP-5 FUEL PIPING AND ASSOCIATED SUPPORTS AND APPURTENANCES.

(11) DEMOLITION OF CONCRETE PADS, GRAVEL AREAS, ACCESS PLATFORMS, ETC:

A. REMOVE (2) REINFORCED CONCRETE PUMP STATION PADS. FOR BIDDING PURPOSES, PADS ARE 10 000x4000 AND 6000x2000 WITH 200 THICK SLABS AND 150 WIDE CONCRETE CURB 150 HIGH. REMOVE CONCRETE PUMP AND FILTER HOUSEKEEPING PADS AND PIPE SUPPORTS.

B. REMOVE GALVANIZED STEEL PLATFORMS AND WALKWAYS. REMOVE LANDSCAPING TIMBER AROUND COARSE AGGREGATE AREAS UNDER FUEL PIPING.

(12) TEMPORARY CONNECTION BETWEEN THE T-3 RECEIPT LINE AND THE EXISTING OFF-LOADING PIPING SHALL BE INSTALLED AND DEMOLISHED AND REMOVED AS DESCRIBED IN THE SEQUENCE OF CONSTRUCTION.

(13) TEMPORARY CONNECTION BETWEEN THE PUMP P-2 SUCTION PIPING AND THE T-3 ISSUE LINE SHALL BE INSTALLED AND DEMOLISHED AND REMOVED AS DESCRIBED IN THE SEQUENCE OF CONSTRUCTION.

(14) DEMOLISH AND REMOVE DRN-25-CS PIPING AND SUPPORTS WHERE INDICATED.

15. AN ENVIRONMENTAL ASSESSMENT FOR ASBESTOS, LEAD, CADMIUM, CHROMIUM AND OTHER RCRA METALS WAS PERFORMED IN THE AREA FOR A PREVIOUS PROJECT. THE REPORT AND SPECIFICATION DETAILING HOW TO HANDLE THE HAZARDOUS MATERIALS ARE CONTAINED IN THE SPECIFICATIONS. THE CONTRACTOR SHALL ASSUME THE FOLLOWING ITEMS AS A BASIS OF BID:

A. ALL EXISTING PIPE GASKETS CONTAIN NON-FRIABLE ASBESTOS AND SHALL BE HANDLED IN ACCORDANCE WITH SPECIFICATION SECTION 02 82 16.00 20 "ENGINEERING CONTROL OF ASBESTOS CONTAINING MATERIAL".

B. EXISTING PIPE COATING SYSTEMS HAVE BEEN DETERMINED TO CONTAIN A LEAD CONCENTRATION ABOVE THE LABORATORIES MINIMUM DETECTION LIMIT AND SHALL BE HANDLED IN ACCORDANCE WITH SPECIFICATIONS SECTION 02 83 13.00 20 "LEAD IN CONSTRUCTION".

C. EXISTING COATINGS OF STRUCTURAL STEEL AND OTHER COMPONENTS CONTAIN LEAD, CADMIUM, CHROMIUM AND OTHER RCRA METAL CONCENTRATIONS ABOVE THE LABORATORY MINIMUM DETECTION LIMIT AND SHALL BE HANDLED IN SUCH A MANNER AS TO ENSURE PROTECTION OF WORKERS AND THE ENVIRONMENT.

GRAPHIC SCALE(S):

1:50 — 0 1000 2000 5000 mm

ALL DIMENSIONS WITHOUT A DECIMAL POINT ARE MILLIMETERS AND ALL THOSE WITH A DECIMAL POINT ARE METERS, UNLESS OTHERWISE NOTED

AUSTIN BROCKENBROUGH & ASSOCIATES, L.L.P.
Consulting Engineers
P.O. Box 4800 Chester, Virginia 23831

NAVFAC

100% SUBMITTAL 10/19/09

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
MCAS NEW RIVER
NAVAL FACILITIES ENGINEERING COMMAND
ACKSONVILLE, NORTH CAROLINA
JACKSONVILLE, NORTH CAROLINA
MILCON P-725, PUMP STATION UPGRADES
PUMP PAD DEMOLITION

CODE ID. NO. 80091 | SIZE D
SCALE: AS NOTED
WORK ORDER NO. 859348
NAVFAC DRAWING NO. VALUE
SHEET 10 OF 22
MD401

DES DRC | DRW MHK | CHK RMS
PM/CM WVB

FILE NAME: G:\09 Jobs\09-057 Pump Station Upgrades - MCAS New River\CAD\VA\MD401 PUMP PAD DEMOLITION.dwg LAYOUT NAME: PUMP PAD DEMOLITION PLOTTED: Friday, October 16, 2009