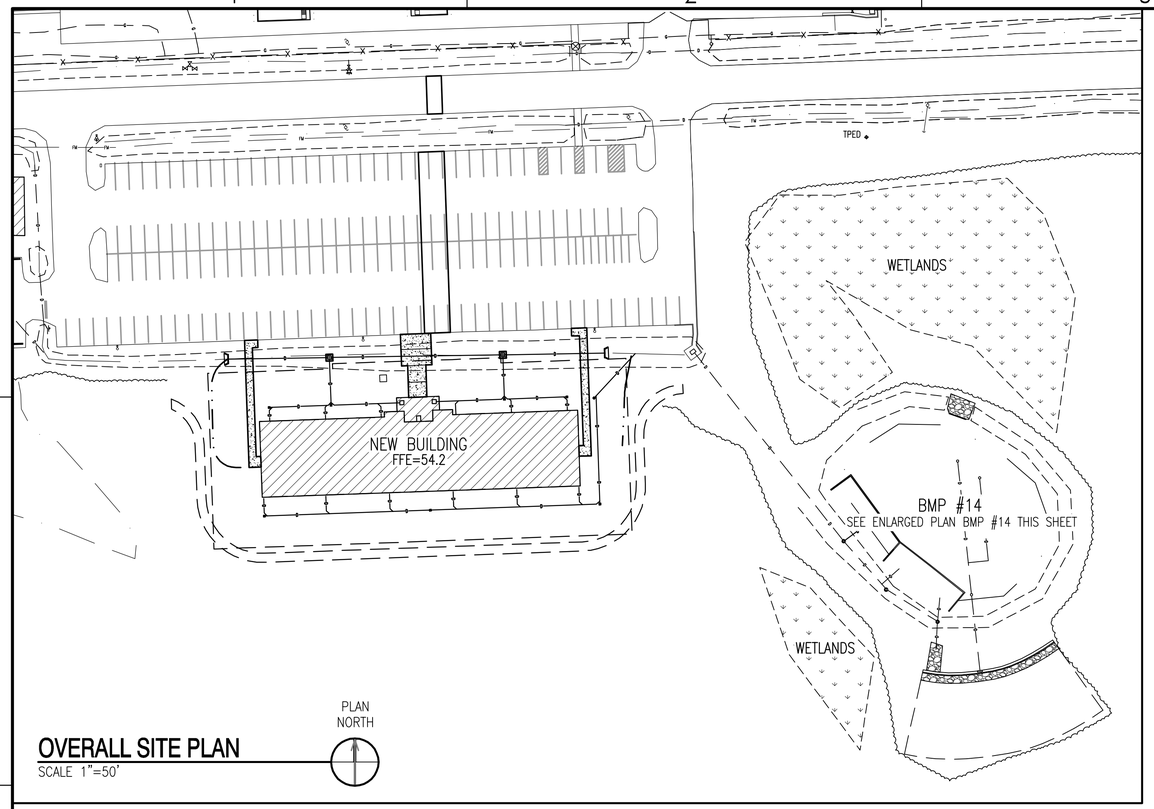
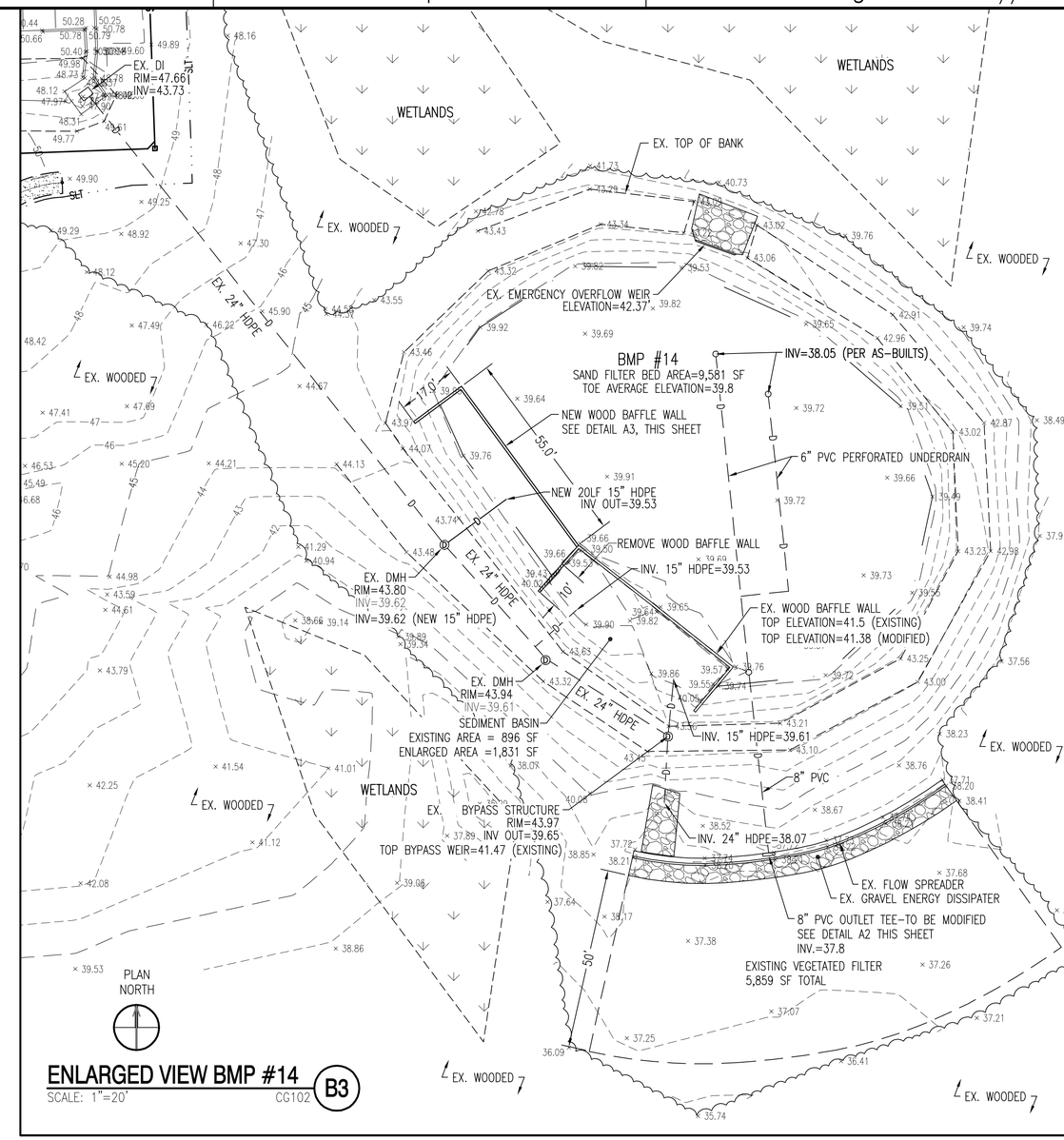
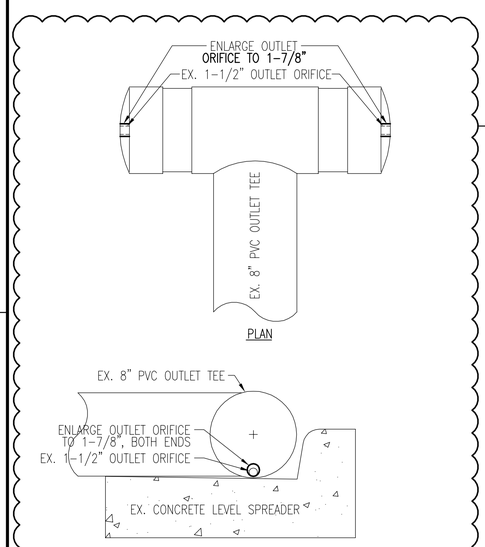


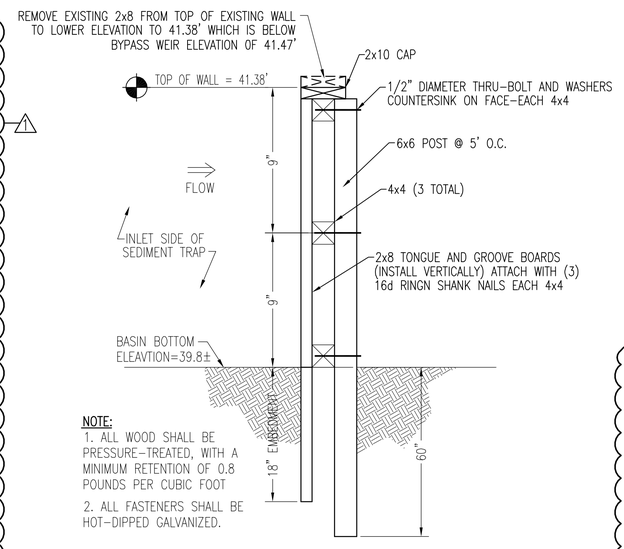
OVERALL SITE PLAN
SCALE 1"=50'



ENLARGED VIEW BMP #14
SCALE: 1"=20' CG102 B3

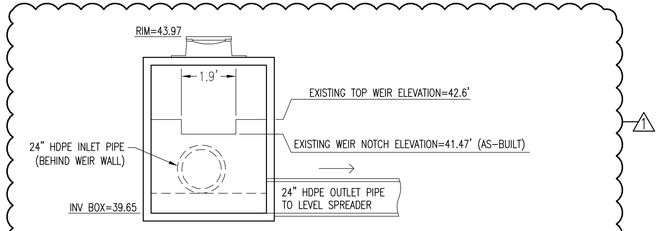


ORIFICE MODIFICATION - BMP #14
NOT TO SCALE CG102 A2



NOTE:
1. ALL WOOD SHALL BE PRESSURE-TREATED, WITH A MINIMUM RETENTION OF 0.8 POUNDS PER CUBIC FOOT
2. ALL FASTENERS SHALL BE HOT-DIPPED GALVANIZED.

SEDIMENT BASIN BAFFLE WALL/MODIFICATION-SECTION
NOT TO SCALE CG102 A3



BYPASS STRUCTURE-SECTION (AS-BUILT)
NOT TO SCALE CG102 A5

GRAPHIC SCALE: 1" = 20'

GRAPHIC SCALE: 1" = 50'

AE PROJECT # 15098

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C-3023
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Fax: 252-244-5899 Vanceboro, NC 28586

NO	DESCRIPTION	DATE	APPR
1	NCDEQ COMMENTS	3/2/16	JKA

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15733 2/23/16 ENGINEER JOHN K. AVOLIS

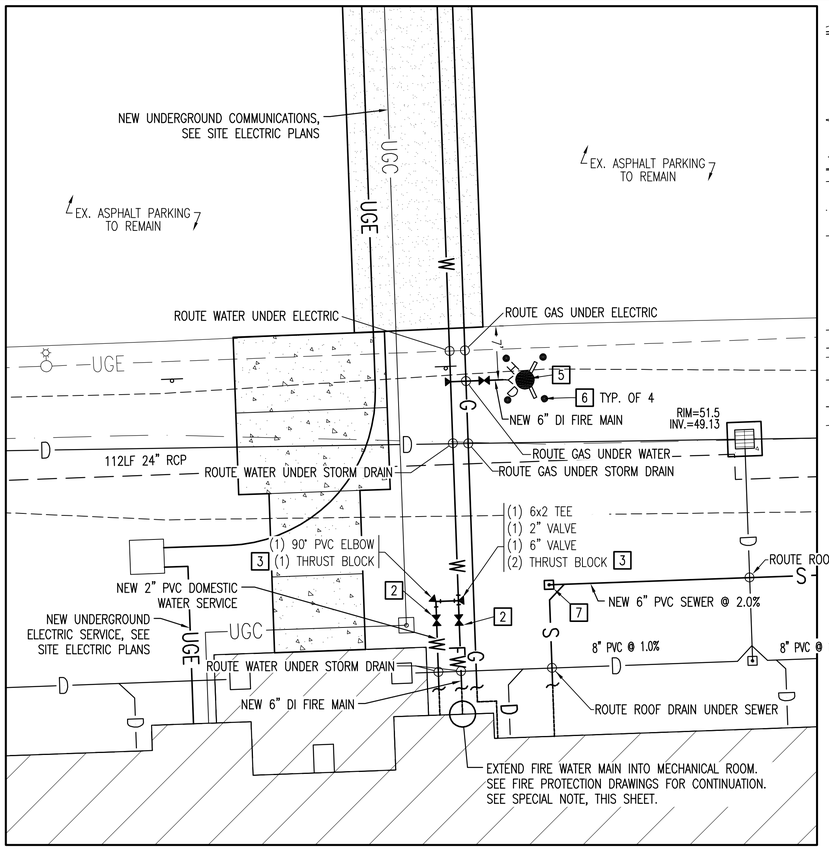
HBA

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES JKA DRW WWF CHK JKA
PM
BRANCH MANAGER
CHIEF ENG/ARCH
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA
NAVAL STATION - NORFOLK, VIRGINIA
NORTH CAROLINA IPT
MCB CAMP LEJEUNE
JACKSONVILLE, NC
P-1475 CULTURAL ASSIMILATION FACILITY
OVERALL SITE PLAN AND BMP #14 MODIFICATIONS

SCALE: GRAPHIC
EPROJECT NO.: 1386337
CONSTR. CONTR. NO. N40085-10-D-5301
NAVFAC DRAWING NO. 12711880
SHEET 8 OF 81
CG102

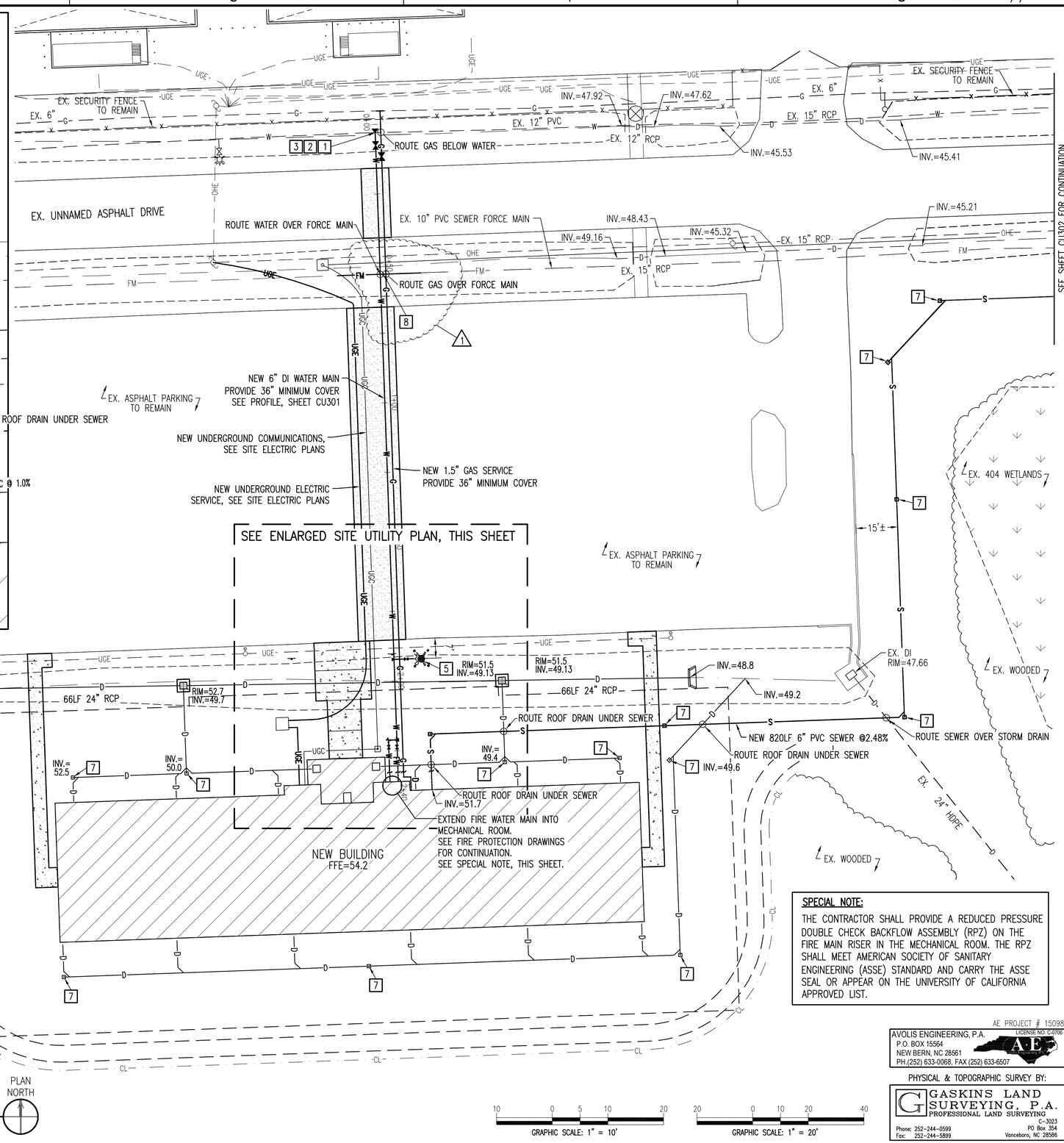
DRAWFORM REVISION: 10 MAY 2014



ENLARGED SITE UTILITY PLAN

SCALE 1"=10'

PLAN NORTH



SITE UTILITY PLAN

SCALE 1"=20'

PLAN NORTH

GRAPHIC SCALE: 1" = 10'

GRAPHIC SCALE: 1" = 20'

GENERAL CONSTRUCTION NOTES:

1. THE LOCATION AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCANNING THE AREA OF WORK TO IDENTIFY TO HIS OWN SATISFACTION THE EXTENT OF UTILITIES PRESENT INCLUDING THE UTILITIES INDICATED TO BE PRESENT, THOSE NOT SHOWN, AND THOSE SHOWN TO BE IN A DIFFERENT LOCATION.
2. PHYSICAL SITE FEATURES OUTSIDE THE AREA OF WORK OR THOSE FEATURES NOT RELEVANT TO THE WORK BEING PERFORMED ARE NOT SHOWN FOR CLARITY.
3. GRADE EVENLY BETWEEN SPOT ELEVATIONS SHOWN.

GENERAL REQUIREMENTS

1. ALL DISTURBED AREAS SHALL BE VEGETATED IN ACCORDANCE WITH THE PROJECT VEGETATION PLAN. SEE DETAIL A3, SHEET CG501.
2. COMPLETE ALL TRENCHING IN ACCORDANCE WITH DETAIL A4, SHEET CU501.

NEW WORK ITEMS (THIS SHEET):

1. NEW 12x6 TAPPING SADDLE AND VALVE – SEE DETAIL D1, SHEET CU501.
2. NEW VALVE – SEE DETAIL C1, SHEET CU501.
3. THRUST BLOCK – SEE DETAIL A1, SHEET CU501.
4. UTILITY CROSSING AS INDICATED – SEE DETAIL C3, SHEET CU501.
5. NEW FIRE HYDRANT – SEE DETAIL B3, SHEET CU501.
6. NEW BOLLARD – SEE DETAIL D4, SHEET CS501.
7. NEW CLEANOUT – SEE DETAIL A3, SHEET CU501.
8. ROUTE EXISTING 10" FORCE MAIN BELOW NEW WATER MAIN AND GAS SERVICE IN ACCORDANCE WITH DETAIL C3, SHEET CU501. 1

SPECIAL NOTE:

THE CONTRACTOR SHALL PROVIDE A REDUCED PRESSURE DOUBLE CHECK BACKFLOW ASSEMBLY (RPZ) ON THE FIRE MAIN RISER IN THE MECHANICAL ROOM. THE RPZ SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARD AND CARRY THE ASSE SEAL OR APPEAR ON THE UNIVERSITY OF CALIFORNIA APPROVED LIST.

AE PROJECT # 15098

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Fax: 252-244-5899

NO.	DESCRIPTION	DATE	APVD
1	UTILITY CROSSINGS	5/12/16	JKA

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15733 ENGINEER JOHN K. AVOLIS

HBA

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES	JKA	DRW	WWF	CHK	JKA

FM

BRANCH MANAGER

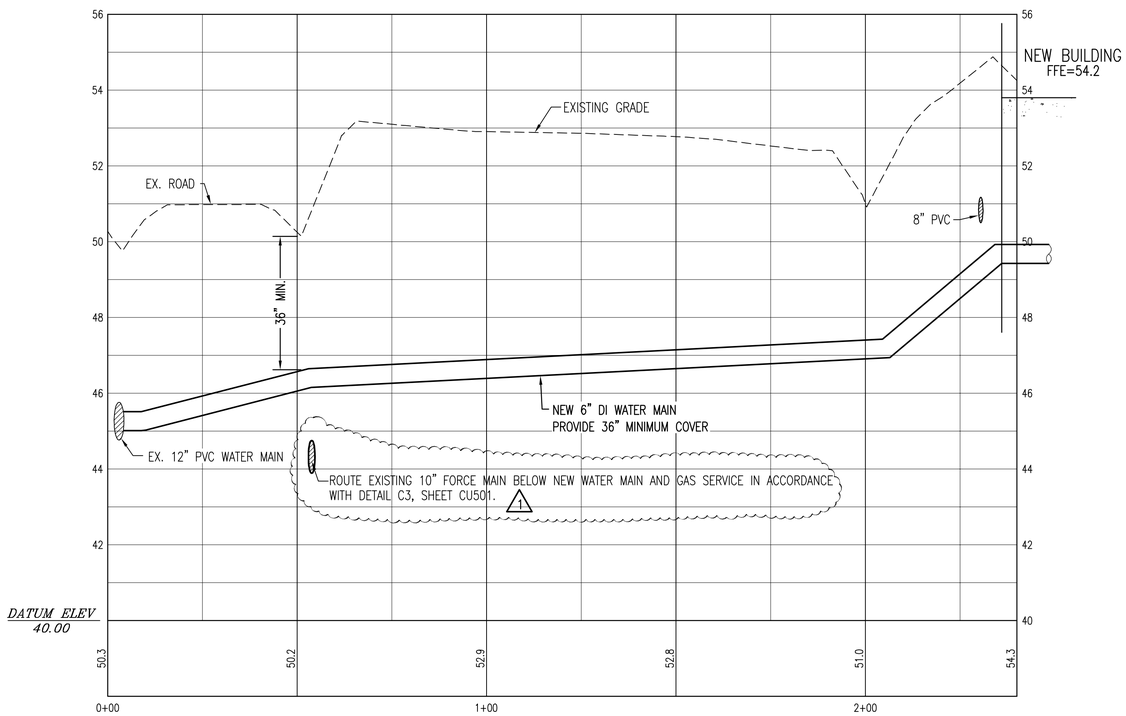
CHIEF ENG/ARCH

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH CAROLINA IPT
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION – NORFOLK, VIRGINIA
MCB CAMP LEJEUNE
JACKSONVILLE, NC
P-1475 CULTURAL ASSIMILATION FACILITY
SITE UTILITY PLAN

SCALE: GRAPHIC
EPROJECT NO.: 1386337
CONSTR. CONTR. NO. N40085-10-D-5301
NAVFAC DRAWING NO. 12711881
SHEET 9 OF 81
CU101

DRAWFORM REVISION: 13 MAY 2014



WATER MAIN - PROFILE

SCALE: HORIZONTAL 1"=20'
SCALE: VERTICAL 1"=2'

CU301 A1

GENERAL CONSTRUCTION NOTES:

1. THE LOCATION AND DEPTHS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCANNING THE AREA OF WORK TO IDENTIFY TO HIS OWN SATISFACTION THE EXTENT OF UTILITIES PRESENT INCLUDING THE UTILITIES INDICATED TO BE PRESENT, THOSE NOT SHOWN, AND THOSE SHOWN TO BE IN A DIFFERENT LOCATION.
2. PHYSICAL SITE FEATURES OUTSIDE THE AREA OF WORK OR THOSE FEATURES NOT RELEVANT TO THE WORK BEING PERFORMED ARE NOT SHOWN FOR CLARITY.
3. GRADE EVENLY BETWEEN SPOT ELEVATIONS SHOWN.

GENERAL REQUIREMENTS

1. ALL DISTURBED AREAS SHALL BE VEGETATED IN ACCORDANCE WITH THE PROJECT VEGETATION PLAN. SEE DETAIL A3, SHEET CG501.
2. COMPLETE ALL TRENCHING IN ACCORDANCE WITH DETAIL A4, SHEET CU501.

GRAPHIC SCALE: 1" = 2'

GRAPHIC SCALE: 1" = 20'

AE PROJECT # 15098

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P.O. Box 354
Vanceboro, NC 28586

1	UTILITY CROSSINGS	5/12/16	JKA
NO.	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15733 ENGINEER JOHN K. AVOLIS

HBA

A/E INFO

APPROVED

FOR COMMANDER NAVFAC

ACTIVITY

SATISFACTORY TO DATE

DES JKA DRW WWF CHK JKA

PM

BRANCH MANAGER

CHIEF ENG/ARCH

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NORTH CAROLINA IPT
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VIRGINIA
MCB CAMP LEJEUNE
JACKSONVILLE, NC

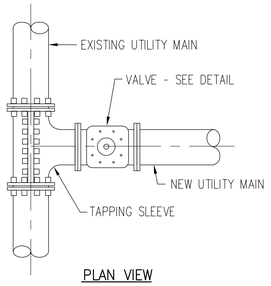
P-1475 CULTURAL ASSIMILATION FACILITY

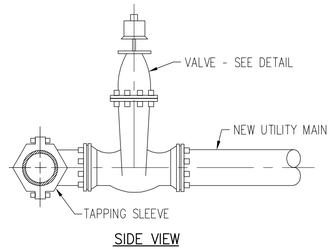
WATER MAIN PROFILE

SCALE:	GRAPHIC
EPROJECT NO.:	1386337
CONSTR. CONTR. NO.	N40085-10-D-5301
NAVFAC DRAWING NO.	12711882
SHEET	10 OF 81

CU301

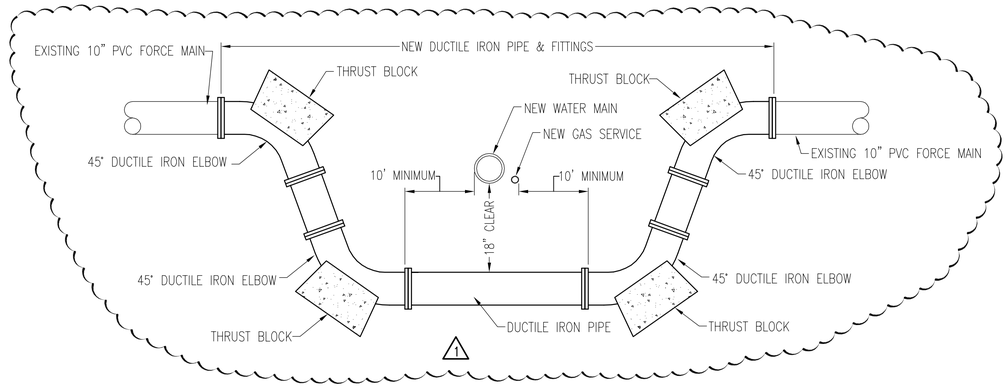
DRAWFORM REVISION: 10 MAY 2014





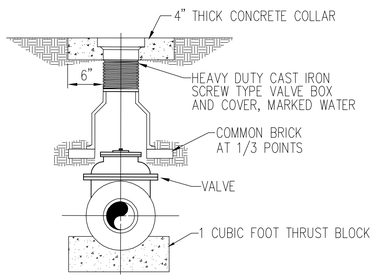
TAPPING SLEEVE (D1)

NOT TO SCALE CU101



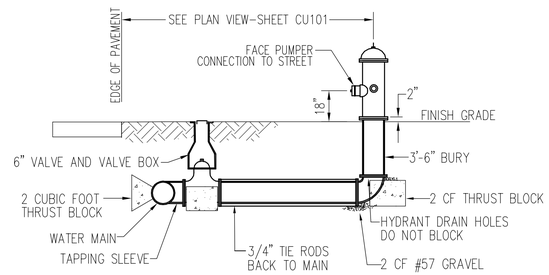
UTILITY CROSSING (C3)

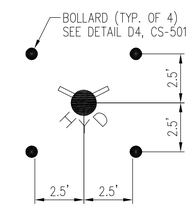
NOT TO SCALE CU101



VALVE AND VALVE BOX (C1)

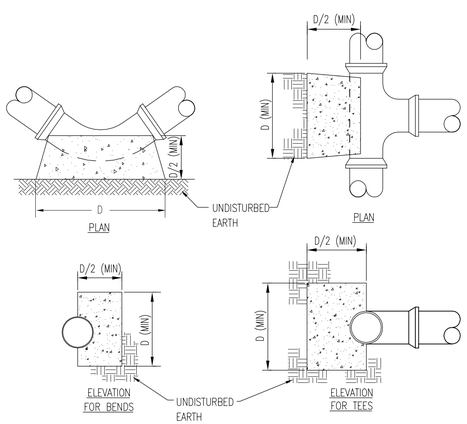
NOT TO SCALE CU101





FIRE HYDRANT (B3)

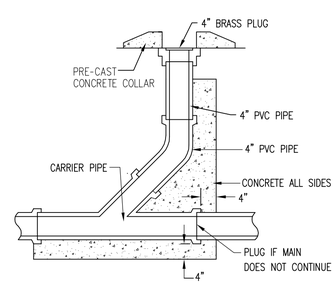
NOT TO SCALE CU101



THRUST BLOCK DIMENSION D (IN FEET)					
NOM. PIPE DIA.	DEAD END	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
2"-4"	1.3	1.6	1.2	0.9	0.8
6"	2.1	2.3	1.7	1.2	0.8
8"	2.5	2.8	2.2	1.5	1.0

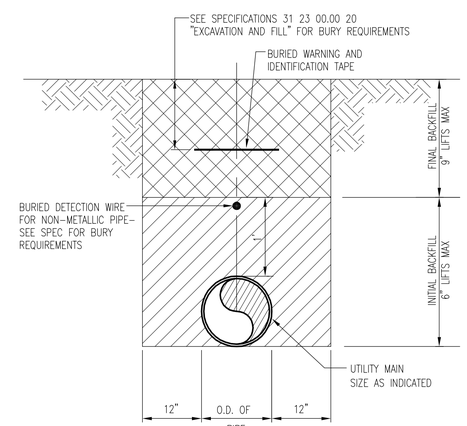
THRUST BLOCK (A1)

NOT TO SCALE CU101



CLEANOUT (A3)

NOT TO SCALE CU101



PIPE TRENCH SECTION (A4)

NOT TO SCALE CU101

AE PROJECT # 15098

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1	UTILITY CROSSINGS	5/12/16	JKA
NUMBER	DESCRIPTION	DATE	APPR

NAVFAC

NORTH CAROLINA PROFESSIONAL SEAL 15733 2/3/16 ENGINEER JOHN K. AVOLIS

HBA

APPROVED
FOR COMMANDER NAVFAC
ACTIVITY

SATISFACTORY TO DATE

DES	JKA	DRW	WWF	CHK	JKA

PM
BRANCH MANAGER
CHIEF ENG/ARCH
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION - NORFOLK, VIRGINIA
NORTH CAROLINA IPT
MCB CAMP LEJEUNE
JACKSONVILLE, NC
P-1475 CULTURAL ASSIMILATION FACILITY
UTILITY DETAILS

SCALE: GRAPHIC
EPROJECT NO.: 1386337
CONSTR. CONTR. NO. N40085-10-D-5301
NAVFAC DRAWING NO. 12711886
SHEET 14 OF 81
CU501

DRAWFORM REVISION: 10 MAY 2014