Structure Table			
STRUCTURE #	STRUCTURE TYPE	NORTHING	EASTING
EXSD60	EXISTING MH	14001621.8108	973045.2002
SD1	STANDARD ENDWALL VDOT 101.01	14001485.0748	972722.8131
SD2	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14001529.3125	972776.1542
SD3	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14001554.1830	972778.6682
SD3A	STANDARD DROP INLET VDOT 104.01	14001595.9246	972780.0327
SD4	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001547.6189	972840.4075
SD5	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14001572.8351	972909.1305
SD6	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001624.9663	972931.5996
SD7	STANDARD DROP INLET VDOT 104.01	14001699.4572	973007.8468
SD8	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001884.4471	972875.3328
SD9	STANDARD DROP INLET VDOT 104.01	14001901.9282	972845.3230
SD10	STANDARD ENDWALL VDOT 101.01	14001438.9779	972689.5952
SD11	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001512.2703	972691.0658
SD11A	STANDARD DROP INLET VDOT 104.01	14001557.2916	972641.2404
SD12	*MODIFIED JUNCTION BOX VDOT 106.10	14001640.0175	972684.9742
SD12A	FLARED END SECTION VDOT 102.01	14001688.7240	972661.1783
SD13	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001704.6936	972640.1876
SD13A	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001724.2639	972657.8191
SD14	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001760.4617	972660.5682
SD14A	TRENCH DRAIN	14001762.3945	972685.4329
SD15	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001890.6729	972585.9148
SD15A	STANDARD DROP INLET VDOT 104.01	14001893.9315	972616.2734
SD16	STANDARD DROP INLET VDOT 104.01	14001971.6263	972595.3358
SD17	STANDARD DROP INLET VDOT 104.01	14002039.3093	972433.9563
SD18	FLARED END SECTION VDOT 102.01	14001982.4895	972591.5034
SD19	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14002059.5653	972653.7693
SD20	STANDARD DROP INLET VDOT 104.01	14001897.0967	972568.2198
SD23	FLARED END SECTION VDOT 102.01	14001670.0284	972647.9656
SD24	TRENCH DRAIN	14001677.5491	972627.1894
SD30	STANDARD ENDWALL VDOT 101.01	14001304.9770	972479.2180
SD31	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001430.5770	972365.2964
SD32	*MODIFIED JUNCTION BOX VDOT 106.01	14001546.4519	972285.3876
SD33	FLARED END SECTION VDOT 102.01	14001587.4047	972318.2403
SD34	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001674.1715	972365.9473
SD35	STANDARD DROP INLET VDOT 104.01	14001737.7022	972403.3678
SD36	TRENCH DRAIN	14001751.9385	972398.6764
SD37	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001664.7390	972467.6957
SD37A	TRENCH DRAIN	14001648.8436	972476.7528
SD38	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001700.5517	972504.5259
SD39	STANDARD DROP INLET VDOT 104.01	14001738.0807	972353.0926
SD40	TRENCH DRAIN	14001780.7840	972354.0004
SD41	FLARED END SECTION VDOT 102.01	14001624.3868	972253.9642
SD42	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001678.5178	972208.4186

Structure Table			
STRUCTURE #	STRUCTURE TYPE	NORTHING	EASTING
SD43	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001767.7835	972228.8638
SD50	STANDARD ENDWALL VDOT 101.01	14001900.8509	972014.2405
SD51	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14001944.7363	972019.4051
SD52	STANDARD DROP INLET VDOT 104.01	14002044.7194	972031.1714
SD53	PRECAST MH VDOT 106.07, 103.09, 103.10, 103.11	14002057.2044	972074.6548
SD53A	STANDARD DROP INLET VDOT 104.01	14002053.7205	972120.7694
SD54	STANDARD DROP INLET VDOT 104.01	14002163.4747	972134.7124
SD55	STANDARD DROP INLET VDOT 104.01	14002110.4142	972262.5200
SD56	FLARED END SECTION VDOT 102.01	14002148.2031	972193.9336
SD57	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14002239.2447	972232.0585
SD58	FLARED END SECTION VDOT 102.01	14002083.0248	972353.8321
SD59	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14002163.2862	972387.4426
SD61	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14001596.1513	972977.0054

Structure Table			
STRUCTURE #	STRUCTURE TYPE	NORTHING	EASTING
EX89	Existing Structure	14002295.1642	973313.9038
SD81	FLARED END SECTION VDOT 102.01	14002345.3751	973289.3005
SD82	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14002381.9802	973247.9743
SD83	FLARED END SECTION VDOT 102.01	14002340.3172	973287.8030
SD84	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14002355.3206	973224.8463
SD85	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14002390.3509	973147.5699
SD86	STANDARD CURB DROP INLET VDOT, 104.03, 104.05	14002268.3515	973225.4289
SD87	FLARED END SECTION VDOT 102.01	14002314.6900	973294.7340
SD88	STANDARD DROP INLET VDOT 104.01	14002325.5477	973314.3736

Pipe Table		
STRUCTURE# – STRUCTURE#	INSIDE DIA. (IN.)	LENGTH (FT)
SD82 – SD81	15	55
SD84 – SD83	15	65
SD85 – SD84	15	85
SD86 – SD87	15	83
SD88 – EX89	18	30

NOTES:
1. FOR STD. ENDWALL VDOT 101.01, SEE DETAIL 4 ON SHEET CU502
2. FOR STD. CURB DROP INLET VDOT 104.03 & 104.05, SEE DETAILS 1 & 2 ON SHEET CU502.
3. FOR STD. DROP INLET VDOT 104.01, SEE DETAIL 5 ON SHEET CU501.
4. FOR PRECAST MH VDOT 106.07, 103.09, 103.10, & 103.11; SEE DETAIL 3 ON SHEET CU502 AND DETAILS 2, 3, & 4 ON SHEET CU501.
5. FOR FLARED END SECTION VDOT 102.01, SEE DETAIL 1 ON SHEET CU501.

*6. FOR MODIIFIED JUNCTION BOX, SEE DETAIL 6 AND NOTES ON SHEET CU502

Pipe Table		
STRUCTURE# – STRUCTURE#	INSIDE DIA. (IN.)	LENGTH (FT)
EXSD60 –	15	26
EXSD60 – SD61	15	73
SD1 – SD2	15	69
SD2 – SD3	15	25
SD3 – SD3A	15	42
SD3 – SD4	15	62
SD4 – SD5	15	73
SD5 – SD6	15	57
SD6 – SD7	15	107
SD7 – SD8	15	228
SD8 – SD9	15	35
SD11 – SD10	24	73
SD11 – SD11A	15	67
SD12 – SD11	24	128
SD12 – SD13	24	79
SD12A – SD13A	15	36
SD13 – SD14	24	59
SD13A – SD14A	15	47
SD14 – SD15	24	150
SD15 – SD15A	15	31
SD15 – SD16	18	81
SD15 – SD20	15	19
SD18 – SD19	15	99
SD23 – SD24	15	22
SD30 – SD31	24	170
SD31 – SD32	24	141
SD33 – SD34	15	99
SD34 – SD35	15	74
SD34 – SD37	15	102
SD34 – SD39	15	65
SD35 – SD36	15	15
SD37 – SD37A	12	18
SD37 – SD38	15	51
SD39 – SD40	15	43
SD41 – SD42	15	71
SD42 – SD43	15	92
SD50 – SD51	24	44
SD51 – SD52	24	101
SD52 – SD53	18	45
SD53 – SD53A	15	46
SD53 – SD54	18	122
SD54 – SD55	15	138
SD55 – SD17	15	186
SD56 – SD57	15	99
SD58 – SD59	15	87

NAVFAC

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ACTIVITY
SATISFACTORY TO DATE –/–/–
Designer JMS Author BKO Checker AKA
PM/DM
BRANCH MANAGER
CHIEF ENG/ ARCH
FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
D:\DEA
NAVAL FACILITIES ENGINEERING COMMAND – WASHINGTON
MARINE CORPS BASE QUANTICO, VIRGINIA
MARINE CORPS BASE QUANTICO
QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL
STORM DRAIN STRUCTURE & PIPE TABLES

SCALE: 1" = 30'
PROJECT NO.: P-021
CONSTR. CONTR. NO. W91236-15-C-0023
NAVFAC DRAWING NO. 13090846
SHEET 92 OF 789
CU701

DRAWFORM REVISION: 10 MARCH 2009

RTA SUBMISSION - 10/13/2016

SANITARY SEWER STRUCTURE TABLE			
STRUCTURE #	STRUCTURE TYPE	NORTHING	EASTING
SS1	48" PRECAST MANHOLE	14001706.1696	972983.6761
SS2	48" PRECAST MANHOLE	14001886.9131	972847.0331
SS3	48" PRECAST MANHOLE	14001987.9685	972728.2165
SS4	48" PRECAST MANHOLE	14002017.3104	972680.6941
SS5	48" PRECAST MANHOLE	14001943.1586	972576.8905
SS6	48" PRECAST MANHOLE	14001986.4541	972477.8342
SS7	48" PRECAST MANHOLE	14002028.1695	972382.3932
SS8	48" PRECAST MANHOLE	14002019.8869	972250.5630
SS9	48" PRECAST MANHOLE	14001988.1642	972243.3065
SS10	48" PRECAST MANHOLE	14001927.6601	972449.3814
SS11	48" PRECAST MANHOLE	14001638.3454	973107.2831
SS12	48" PRECAST MANHOLE	14001532.1172	972823.2225
SS13	48" PRECAST MANHOLE	14001541.2135	972732.7089
SS14	48" PRECAST MANHOLE	14001627.9339	972616.2498

NOTE:
1. FOR 48" PRECAST MANHOLE DETAIL, SEE SHEET CU525 DETAIL 1.

WATER LINE POINT TABLE			
Point #	Northing	Easting	Description
W1	14001615.4738	973044.9006	EXIST. WATER LOCATION
W2	14001655.0268	973015.7118	1/32 H.B.
W3	14001677.8976	972990.0065	1/32 H.B.
W4	14001859.0028	972853.0901	P.C.
W5	14001927.2725	972787.4157	P.T.
W6	14001963.4611	972743.2167	10"X 10" TEE
W7	14001959.5917	972740.0501	1/16 H.B.
W8	14001913.3328	972653.7957	10"X 8" TEE W/2(V)
W9	14001908.6065	972644.9830	1/8 H.B.
W10	14001782.8140	972607.0159	PC
W11	14001762.2450	972600.1945	PT
W12	14001704.0260	972579.1201	1/16 H.B.
W13	14001679.6083	972556.8240	1/32 H.B.
W14	14001664.7416	972536.6229	1/8 H.B.
W15	14001673.0076	972482.2844	10"X 4" TEE W/(2V)
W16	14001679.3757	972440.4222	PC
W17	14001684.9226	972411.2752	PT
W18	14001703.3883	972330.6523	10"X 8" TEE W/2(V)
W19	14001707.8291	972311.2634	10"X 6" TEE W/1(V)
W20	14001744.4936	972151.1835	1/8 H.B.
W21	14001762.4889	972139.8952	1/32 H.B.

WATER LINE POINT TABLE			
Point #	Northing	Easting	Description
W22	14001767.2398	972138.0858	PC
W23	14001827.1084	972120.4928	PT
W24	14001876.9679	972109.9836	1/16 H.B.
W25	14001900.5060	972093.8653	10"X 6" TEE W/1(V)
W26	14001938.5257	972067.8304	1/32 H.B.
W27	14001980.4961	972049.8832	PC
W28	14002068.0033	971998.4581	PT
W29	14002079.7120	971989.3988	10"X 8" TEE W/2(V)
W30	14002224.1068	972237.4062	CONNECT TO EXISTING
W31	14002202.4905	972212.7690	PC
W32	14002200.0821	972209.9985	8"X 6" TEE W/1(V)
W33	14002189.4677	972197.1420	PT
W34	14002181.5693	972187.1586	1/8 H.B.
W35	14002188.5828	972127.0103	1/8 H.B.
W36	14001934.0178	972642.7022	1/8 H.B.
W37	14001937.6688	972630.6058	8"X 6" TEE W/1(V)
W38	14001941.7040	972617.2362	PC
W39	14001958.1224	972572.6174	PT
W40	14002035.1601	972396.3622	8"X 6" TEE W/1(V)
W41	14002053.6698	972354.0136	PC
W42	14002073.9451	972304.0613	PT

WATER LINE POINT TABLE			
Point #	Northing	Easting	Description
W43	14002098.7502	972237.9795	PC
W44	14002106.6944	972214.6565	PT
W45	14002123.0882	972173.1423	PC
W46	14002130.0478	972155.8388	8"X 6" TEE W/1(V)
W47	14002148.2382	972118.8688	PT
W48	14002152.5361	972111.1630	1/16 H.B.
W49	14002166.9952	972099.7238	8"X 8" TEE W/2(V)
W50	14001710.1276	972478.1067	CONNECT FROM BLDG
W51	14001708.2468	972477.4264	PC
W52	14001698.0027	972482.2286	PT
W53	14001694.0929	972493.0384	PC
W54	14001666.4286	972544.4618	PT
W55	14001628.7592	972595.0491	YH TEE
W56	14001574.7516	972667.5775	PC
W57	14001574.8280	972685.5966	PT
W58	14001628.7483	972713.6750	CONNECT TO BLDG.
W59	14001720.1010	972334.4811	PIV
W60	14001835.2587	972360.8557	1/8 H.B.
W61	14001841.2467	972357.0984	1/8 H.B.

WATER LINE POINT TABLE			
Point #	Northing	Easting	Description
W70	14001913.1859	972623.2163	FH ASSEMBLY
W71	14002106.1995	972145.5946	FH ASSEMBLY
W73	14001696.1320	972308.5843	FH ASSEMBLY
W74	14001913.4465	972112.7627	FH ASSEMBLY
W75	14002015.4597	972387.7515	FH ASSEMBLY
W76	14002225.2055	972204.9463	FH ASSEMBLY

APPR | DATE | DESCRIPTION | SYM

NAVFAC

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A/E INFO

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FOR COMMANDER NAVFAC
ACTIVITY

SATISFACTORY TO DATE --/--/--

Designer JMS Author BKO Checker AKA

PM/DM
BRANCH MANAGER
CHIEF ENGI ARCH
FIRE PROTECTION

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QUANTICO, VA

REPLACE QUANTICO M/H SCHOOL

SEWER & WATER TABLES

SCALE: 1" = 30'
PROJECT NO.: P-021
CONSTR. CONTR. NO.
W91236-15-C-0023
NAVFAC DRAWING NO.
13090847
SHEET 93 OF 789
CU721

DRAWFORM REVISION: 10 MARCH 2009

RTA SUBMISSION - 10/13/2016

GENERAL DEMOLITION AND ABATEMENT NOTES

1 COMPLY WITH STATE, FEDERAL, AND LOCAL REGULATIONS FOR DEMOLITION AND DISPOSAL OF ALL HAZARDOUS MATERIALS AND WASTES.

2 THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS, QUANTITIES AND DIMENSIONS AND FOR NOTIFYING THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS WITH THE WORK AS SHOWN OR SPECIFIED.

3 HAZARDOUS MATERIALS ABATEMENT DRAWINGS ARE INTENDED TO DEPICT THE TYPE, LOCATION AND EXTENT OF HAZARDOUS MATERIALS TO BE REMOVED BY THE CONTRACTOR. REFER TO THE PRE–DEMOLITION HAZARDOUS MATERIALS SURVEY REPORT FOR FURTHER DETAILS AND INFORMATION. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

4 COORDINATE THE WORK WITH OTHERS TRADES, THE CONTRACTING OFFICER, AND THE DODEA REPRESENTATIVE.

5 ALL INTERIOR ASBESTOS ABATEMENT WORK INVOLVING FRIABLE ASBESTOS–CONTAINING MATERIAL AND/OR NON–FRIABLE ASBESTOS–CONTAINING MATERIAL WITH THE POTENTIAL FOR DISTURBANCE SHALL BE PERFORMED WITHIN A NEGATIVE PRESSURE ENCLOSURE.

6 ASBESTOS MUD FITTINGS ARE ASSUMED TO PRESENT ON PIPES BEHIND SOME WALLS, IN INACCESSIBLE CHASES AND ABOVE SOME FIXED CEILINGS WITHIN THE MAIN BUILDING, AS INDICATED ON THE DRAWINGS. IN ADDITION, MASTICS ASSOCIATED WITH WALL MOUNTED BULLETIN BOARDS, ERASABLE BLACKBOARDS/WHITEBOARDS AND MIRRORS ARE ASSUMED TO CONTAIN ASBESTOS. FURTHER ASSESSMENT AND BULK SAMPLING MAY BE PERFORMED AFTER THE BUILDING IS CLOSED FOR DEMOLITION TO VERIFY THE PRESENCE OF THESE MATERIALS AND/OR DETERMINE ASBESTOS–CONTENT. REFER TO KEYED NOTES AND THE PRE–DEMOLITION HAZARDOUS MATERIALS SURVEY REPORT FOR ADDITIONAL INFORMATION.

7 SOME WOODEN FIRE–RATED DOORS CONTAIN ASBESTOS. ELEVATOR DOORS ARE ASSUMED TO CONTAIN ASBESTOS. REFER TO THE PRE–DEMOLITION HAZARDOUS MATERIALS SURVEY REPORT FOR LOCATIONS OF ASSUMED ASBESTOS–CONTAING FIRE DOORS REQUIRING REMOVAL AND DISPOSAL.

8 ASPHALTIC ROOF MATERIALS (PLIES, FLASHING, ADHESIVES, ETC.) ASSOCIATED WITH THE OLDER BUILT UP ROOF SYSTEMS (BENEATH THE NEWER RUBBER MEMBRANE ROOF) OF THE MAIN BUILDING MAY CONTAIN ASBESTOS. THESE MATERIALS ARE ASSUMED TO BE NON–FRIABLE IN THEIR CURRENT CONDITION. THE CONTRACTOR IS DIRECTED TO SELECT DEMOLITION METHODS AND AN APPROPRIATE CONTROL STRATEGY THAT WILL MINIMIZE ANY RELEASE OF POTENTIAL ASBESTOS–CONTAINING DUSTS. THE WORK SHALL BE PERFORMED UNDER THE DIRECTION OF AN ASBESTOS COMPETENT PERSON AS DESCRIBED IN THE OSHA ASBESTOS IN CONSTRUCTION STANDARD. RESPIRATORY PROTECTION AND OTHER PERSONAL PROTECTIVE EQUIPMENT MAY BE REQUIRED. SHOULD SAWING, SANDING AND/OR ABRADING OF ROOF MATERIALS BE NECESSARY DURING DEMOLITION OF THE MAIN BUILDING OTHER REQUIREMENTS MAY APPLY. MATERIAL THAT HAS BEEN REMOVED FROM THE ROOF SHALL NOT BE DROPPED OR THROWN TO THE GROUND. COMPLY WITH 29 CFR 1926.1101(g).

9 NO PAINT REMOVAL IS REQUIRED UNDER THIS CONTRACT. SOLID WASTE STREAMS FROM DEMOLITION SHOULD BE EVALUATED TO DETERMINE WHETHER HAZARDOUS WASTE DISPOSAL IS REQUIRED AS PER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) IN 40 CFR 261. WASTE STREAMS SHOULD BE TESTED USING THE TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) TO DETERMINE IF THE WASTE EXHIBITS THE HAZARDOUS WASTE CHARACTERISTIC OF TOXICITY FOR LEACHABLE LEAD. REFER TO THE SPECIFICATIONS AND THE PRE–DEMOLITION HAZARDOUS MATERIALS SURVEY REPORT FOR ADDITIONAL INFORMATION.

10 CONTRACTOR SHALL EMPLOY DUST SUPPRESSION METHODS DURING DEMOLITION ACTIVITIES TO PREVENT VISIBLE DUST EMISSIONS FROM LEAVING THE WORK SITE.

11 PRIOR TO AND DURING DEMOLITION THE CONTRACTOR SHALL ASSESS THE POTENTIAL FOR EMPLOYEE EXPOSURE TO LEAD FROM KNOWN SOURCES AND THE WORK PRACTICES PROPOSED/USED FOR DEMOLITION OR SURFACE PREPARATION.

12 PROVIDED THE EMPLOYEE EXPOSURE ASSESSMENTS AS REQUIRED BY THE OSHA LEAD IN CONSTRUCTION STANDARD IN 20 CFR 1926.62. LEAD EXPOSURES ABOVE THE OSHA ACTION LEVEL MAY POTENTIALLY OCCUR FROM THE DEMOLITION OF COMPONENTS ON WHICH LEAD CONCENTRATIONS IN PAINT/SURFACE COATINGS ARE KNOWN TO BE BELOW THE EPA AND VIRGINIA DEFINITIONS OF "LEAD–BASED PAINT".

13 PRIOR TO DEMOLITION REMOVE AND PROPERLY DISPOSE/RECYCLE ALL MERCURY–CONTAINING THERMOSTATS AND MERCURY–VAPOR FLUORESCENT LAMPS AND BULBS.

14 A LIMITED VISUAL SURVEY DID NOT IDENTIFY ANY PCB–CONTAINING FLUORESCENT LIGHT BALLASTS. HOWEVER, THE POTENTIAL EXISTS THAT SOME OLDER FIXTURES MAY BE PRESENT IN THE MAIN BUILDING, WHICH CONTAIN PCB MAGNETIC BALLASTS. ALL FLUORESCENT LIGHT BALLASTS SHALL BE REMOVED FOR RECYCLING PRIOR TO DEMOLITION. THE CONTRACTOR SHALL CHECK BALLAST LABELS FOR "NO PCB'S" MARKINGS OR MARKINGS WHICH INDICATE A BALLAST TO BE AN ELECTRONIC BALLAST. BALLASTS WITHOUT SUCH MARKINGS SHALL BE SEPARATED. ALL FLUORESCENT LIGHT BALLASTS SHALL BE DISPOSED/RECYCLED FOLLOWING THE SPECIFICATIONS.

15 PRIOR TO DEMOLITION REMOVE AND DISPOSE OF SEALED LEAD–ACID BATTERIES LOCATED IN EMERGENCY LIGHTING CABINETS. NON–LEAKING BATTERIES SHALL BE RECYCLED. LEAKING BATTERIES SHALL BE DISPOSED AS HAZARDOUS WASTE.

16 PRIOR TO DEMOLITION OR SALVAGE OF EQUIPMENT THE CONTRACTOR SHALL ENSURE THAT REFRIGERANT GASES HAVE BEEN REMOVED FROM ALL HVAC AND REFRIGERATION EQUIPMENT. USE ONLY CERTIFIED/LICENSCED TECHNICIANS FOR REFRIGERANT RECOVERY.

SYM	DESCRIPTION	DATE	APPR

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FIRE PROTECTION

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DoDEA
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MARINE CORPS BASE QUANTICO, VIRGINIA
QUANTICO, VA
REPLACE QUANTICO M/H SCHOOL

HAZARDOUS MATERIALS ABATEMENT
GENERAL NOTES

SCALE: NOT TO SCALE
PROJECT NO.: P-021
CONSTR. CONTR. NO.
W91236-15-C-0023
NAVFAC DRAWING NO.
13090848
SHEET 94 OF 789
H-101

DRAWFORM REVISION 10 MARCH 2009

RTA SUBMISSION - 10/13/2016

HAZARDOUS MATERIAL ABATEMENT KEY NOTES

(A-1) REMOVE AND PROPERLY DISPOSE OF ASBESTOS-CONTAINING FLOOR TILE AND OR MASTIC. WHERE MULTIPLE LAYERS OF FLOOR TILE ARE PRESENT TREAT ALL FLOOR TILE AND MASTIC AS ASBESTOS-CONTAINING. REMOVE ALL FLOOR TILES AND MASTIC DOWN TO THE BARE SLAB.

(A-2) REMOVE AND DISPOSE OF ASBESTOS-CONTAINING MUD PIPE FITTINGS. PERFORM CONTROLLED DEMOLITION OF CMU WALLS AND/OR FIXED CEILINGS AS NECESSARY TO ACCESS PIPING.

(A-3) REMOVE AND DISPOSE OF NON-FRIABLE CEMENTITOUS LABORATORY BENCH TOP, SINK TOP, COUNTER TOP AND GLASSWARE DRYING RACKS.

(A-4) REMOVE AND DISPOSE OF FRIABLE ASBESTOS PAPER DEBRIS BENEATH FUME HOOD DRAWER CABINET.

(A-5) REMOVE AND DISPOSE OF ASBESTOS CONTAINING STAGE LIGHT WIRE INSULATION.

(L-1) REMOVE LEAD SINK TRAPS AND LEAD DRAIN PIPING. LEAD PIPING WHICH IS FREE OF MERCURY AND/OR OTHER POTENTIALLY HAZARDOUS ACCUMULATIONS IS SUITABLE FOR RECYCLING.

(M-1) REMOVE DRAIN PIPING FOR SCIENCE LABORATORY ROOMS BACK TO FIRST FLOOR SANITARY RISER. REMOVE PIPING IN A CONTROLLED MANNER SUCH THAT MERCURY AND/OR OTHER HAZARDOUS ACCUMULATIONS IN PIPING IS NOT RELEASED. SLUDGES, SEDIMENT AND/OR ACCUMULATIONS OF SOLID DEBRIS IN PIPING (IF ANY) SHALL BE TESTED AS NECESSARY TO DETERMINE IF HAZARDOUS WASTE DISPOSAL IS REQUIRED.

(M-2) REMOVE AND DISPOSE/RECYCLE WALL-MOUNTED MERCURY THERMOSTAT.

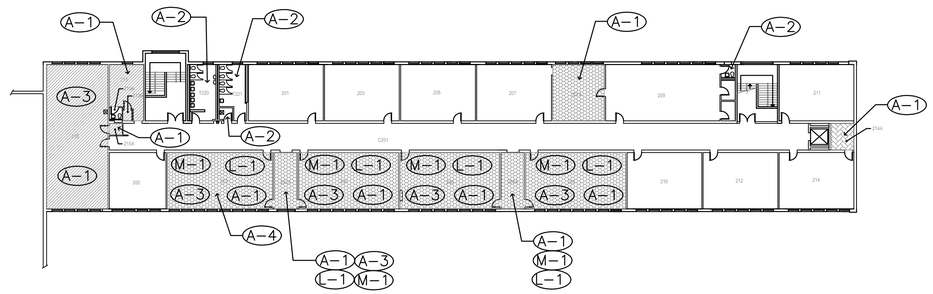
(R-1) RECOVER HYDRAULIC OIL FROM PUMP RESERVOIR AND PIPING PRIOR TO SALVAGE OR DEMOLITION OF EQUIPMENT.

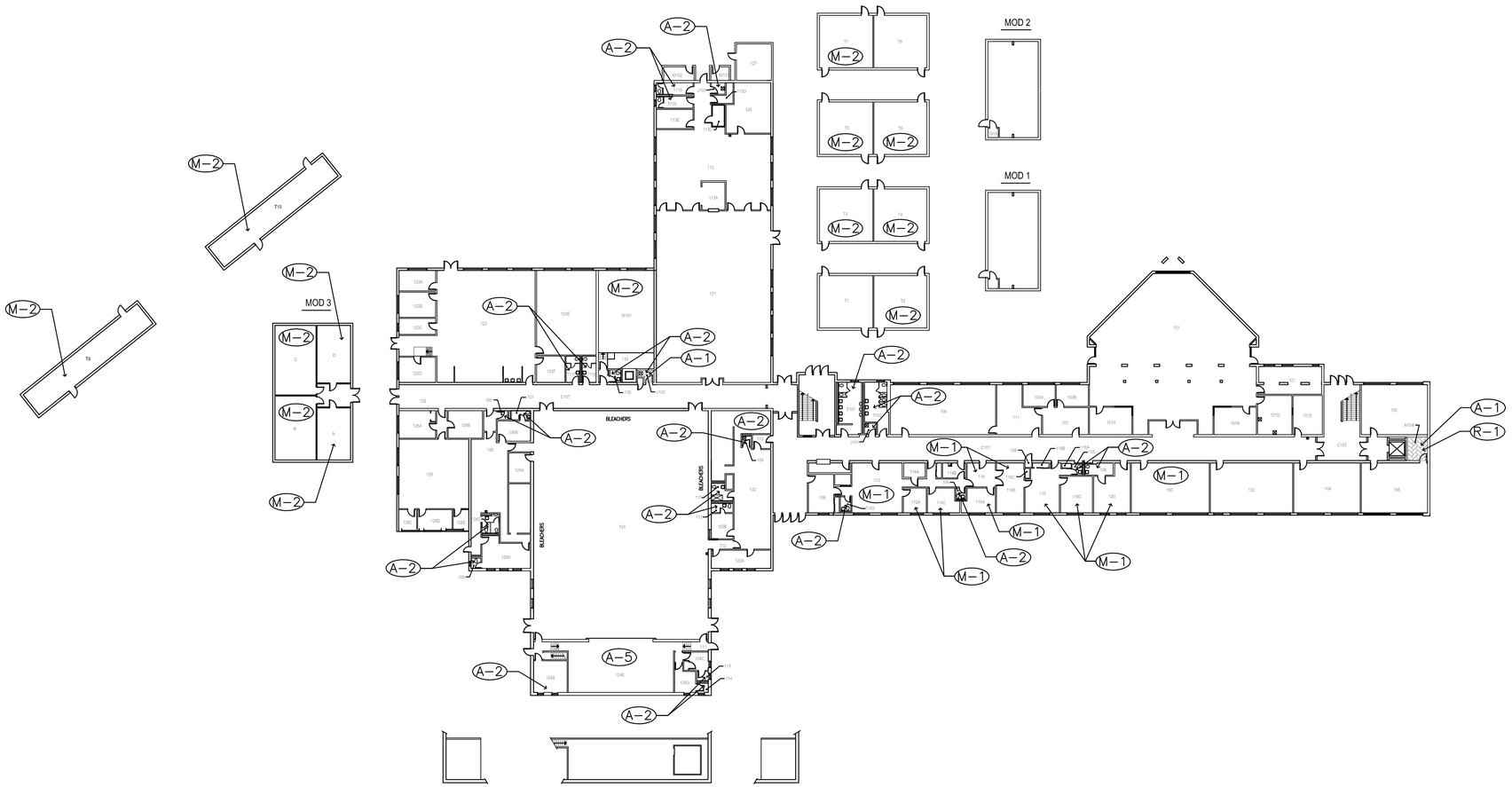
LEGEND

ASBESTOS CONTAINING 9"x9" FLOOR TILE AND MASTIC BENEATH NON ASBESTOS 12"x12" FLOOR TILE

ASBESTOS-CONTAINING MASTIC OR MASTIC RESIDUE BENEATH NON ASBESTOS 12" x12" FLOOR TILE

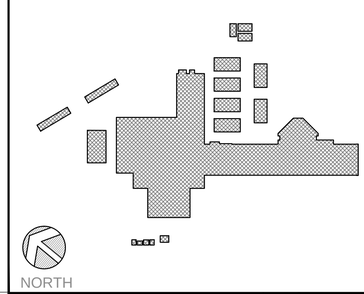
ASBESTOS-CONTAINING 12"x12" FLOOR TILE AND MASTIC





SYMBOL LEGEND	
BEARING WALL	DRINKING FOUNTAIN
NON-BEARING WALL	LAVATORY
GLASS BLOCK WALL	SINK
NON ASSIGNABLE FLOOR AREA	TOILET
DOOR	URINAL
SLIDING DOOR	TEACHING WALL
ACCORDION PARTITION	LOCKER
STACK OR FOLDING PARTITION	FIRE EXTINGUISHER CABINET
WINDOW/GLAZING	LAN DISTRIBUTION FRAME
HIGH WINDOW	VENT HOOD
SKYLIGHT	WALL SHELVING
STOOP/STEP UP	UPPER CABINET
STAIR (UP)	BASE CABINET
RAMP (UP)	TEACHER CABINET
ACCESS LADDER	TV BRACKET
COLD STORAGE	

KEY PLAN
NTS



SYM	DESCRIPTION	DATE	APPR.

NAVFAC

SEAL

EWING COLE
Federal Reserve Bank Building
100 North 6th Street
Philadelphia, PA 19106
Tel: 215.923.2020 Fax: 215.574.0952

STANTEC
6110 FROST PLACE
LAUREL, MD 20707
A/E INFO

APPROVED

FOR COMMANDER NAVFAC
ACTIVITY

SATISFACTORY TO DATE -/-/-

Designer JMS Author BKD Checker AKA

PM/DM

BRANCH MANAGER

CHIEF ENG/ ARCH

FIRE PROTECTION

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
DoDEA
MARINE CORPS BASE QUANTICO

NAVAL FACILITIES ENGINEERING COMMAND ~ WASHINGTON
MARINE CORPS BASE QUANTICO, VIRGINIA
QUANTICO, VA

REPLACE QUANTICO M/H SCHOOL

HAZARDOUS MATERIALS ABATEMENT LAYOUT

SCALE: NOT TO SCALE
PROJECT NO.: P-021
CONSTR. CONTR. NO.
W91236-15-C-0023
NAVFAC DRAWING NO.
13090849
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H-102

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