SECTION 03 5416
HYDRAULIC CEMENT UNDERLAYMENT

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes a self-leveling underlayment that consists of a blend of Portland cements, other hydraulic cements and polymers that is used to level and smooth interior concrete and properly prepared, non-water-soluble adhesive residue on concrete prior to the installation of finished flooring on all grade levels.

B. This is to be applied to all existing floor slabs in the renovated area.

C. The top elevation shall match the top elevation of the new slab on grade.
   1. Thickness of underlayment will vary depending on elevation of slab after demolition of existing floor materials.

D. Related Sections include the following:
   1. Division 03 Concrete Sections
   2. Division 09 Flooring Sections

1.2 REFERENCES

A. ASTM C109M, Compressive Strength Air-Cure Only

B. ASTM C348, Flexural Strength of Hydraulic-Cement Mortars

C. ASTM F2170, Relative Humidity in Concrete Floor Slabs Using in situ Probes

D. ASTM F710, Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring

1.3 SUBMITTALS

A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used. Include manufacturer's Safety Data Sheets.

B. Qualification Data: For Installer

1.4 QUALITY ASSURANCE

A. Installation of the underlayment product must be completed by a factory-trained applicator, using mixing equipment and tools approved by the manufacturer.

B. Product must have hydraulic cement-based inorganic binder content as the primary binder which includes Portland cement per ASTM C150: Standard Specification for Portland cement and other specialty hydraulic cements. Gypsum-based products are not acceptable.

C. Manufacturer Experience: Provide products of this section by companies which have successfully specialized in production of this type of products for not less than 10 years. Contact Manufacturer Representative prior to installation.

1.5 WARRANTY

A. Underlayment installed as part of a floor system, shall be installed in conjunction with the requirements of the manufacturer to provide a 5-Year Warranty.

1.6 DELIVERY, STORAGE AND HANDLING

A. Deliver products in original packaging, labeled with product identification, manufacturer, batch number and shelf life.

B. Store products in a dry area with temperature maintained between 50° and 85°F (10° and 29°C) and protect from direct sunlight.

C. Handle products in accordance with manufacturer's printed recommendations.

1.7 PROJECT CONDITIONS

A. Do not install material below 50°F (10°C) surface and air temperatures. These temperatures must also be maintained during and for 48 hours after the installation of products included in this section. Install quickly if substrate is warm and follow warm weather instructions available from the manufacturer.

PART 2 - PRODUCTS

2.1 HYDRAULIC CEMENT UNDERLAYMENT

A. Basis-of-Design: Hydraulic Cement-Based Self-Leveling Underlayment System:
   1. ARDEX V 1200™; manufactured by ARDEX Americas: www.ardexamericas.com.
      a. Primer Standard Absorbent Concrete: ARDEX P 51™ Primer
      b. Primer Extremely Absorbent Concrete: May require two applications of ARDEX P 51
      c. Primer non-porous substrates such as burnished concrete, properly prepared non-water soluble adhesive residue on concrete and concrete treated with approved silicate compounds: ARDEX P 82™ Ultra Prime
   2. Performance and Physical Properties: Meet or exceed the following values for material cured at 73° F+/-3°F (23° C+/-3°C) and 50% +/-5% relative humidity:
      a. Application: Barrel Mix or Pump
      b. Flow Time: 10 minutes
      c. Final Set: Approx. 90 minutes
      d. Compressive Strength: 4500 psi (315 kg/cm2) at 28 days, ASTM C109M.
      e. Flexural Strength: 1000 psi (70 kg/cm2) at 28 days, ASTM C348.
      f. VOC: 0

B. Other Acceptable Manufacturers:
   1. Custom Building Products; www.custombuildingproducts.com.
   2. LATICRETE International, Inc; www.laticrete.com.
   3. UZIN, a division of UFLOOR Systems Inc; www.ufloorsystems.com.
   4. Schonox HPS North America; www.hpsubfloors.com.

2.2 WATER

A. Water shall be clean, potable, and sufficiently cool (not warmer than 70°F).

PART 3 - EXECUTION

3.1 PREPARATION

A. General: Prepare substrate in accordance with manufacturer's instructions.
   1. Concrete
      a. Prior to proceeding please refer to ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring. All concrete subfloors must be sound, solid, clean, and free of all oil, grease, dirt, certain curing compounds and any contaminant that might act as a bond breaker before priming. Mechanically clean if necessary using shot blasting or other. Acid etching and the use of sweeping compounds and solvents are not acceptable.
      b. Substrates shall be inspected in accordance with ASTM F2170 and corrected for moisture or any other conditions that could affect the performance of the underlayment or the finished floor covering. For areas where moisture vapor emissions exceed the required limits refer to Section 09 05 61.13, Moisture Vapor Emission Control and install the appropriate ARDEX Moisture Control System.
   2. Crack and Joint Preparation
      a. Moving Joints and Moving Cracks - Prepare all moving joints and moving cracks up through the underlayment with a flexible sealing compound recommended by the manufacturer.
      b. Saw Cuts, Control Joints and Dormant Cracks - Fill all dormant joints and dormant cracks with a Low Viscosity Rigid Polyurethane Crack & Joint Repair or Self-Drying, Cement- Based Finish Underlayment as recommended by the manufacturer.
   3. Adhesive residues on concrete must first be tested to make certain they are not water- soluble. Water-soluble adhesives must be completely mechanically removed down to clean concrete. Non-water-soluble adhesives should be prepared to a thin, well-bonded residue using the wet-scraping technique as recommended by the Resilient Floor Covering Institute (www.rfci.com). The prepared residue should appear as nothing more than a transparent stain on the concrete after scraping.
   4. Other Non-Porous Substrates: The substrate must be clean and free of all waxes, sealers dust, dirt, debris and any other contaminant that may act as a bond breaker. If necessary, clean by mechanical methods such as shot blasting.

3.2 APPLICATION

A. Examine substrates and conditions under which materials will be installed. Do not proceed with installation until unsatisfactory conditions are corrected.

B. Coordinate installation with adjacent work to ensure proper sequence of construction. Protect adjacent areas from contact due to mixing and handling of materials.

C. Priming (Basis-of-Design System):
   1. Standard Absorbent Concrete: Dilute ARDEX P 51 1:1 with water and apply evenly with a soft bristled push broom. Do not leave any bare spots. Remove all puddles and excess primer. Allow to dry to a clear, thin film (min. 3 hours, max. 24 hours). Underlayment shall not be applied until the primer is dry.
   2. Extremely Absorbent Concrete: Make an initial application of ARDEX P 51diluted with 3 parts water using a soft push broom. Do not leave any bare spots. Remove all puddles and excess primer. Allow to dry thoroughly (1 to 3 hours) before proceeding with the standard application of primer as described above for standard absorbent concrete.
   3. Non-Porous Substrates, such as burnished concrete, terrazzo, well-bonded ceramic and quarry tile, epoxy coating systems, and properly prepared, non-water soluble adhesive residue on concrete: Prime with ARDEX P 82 Ultra Prime. Follow the mixing instructions on the container and apply with a short-nap or sponge paint roller, leaving a thin coat of primer no heavier than a thin coat of paint. Do not leave any bare spots. Remove all puddles and excess primer. Allow to dry to a clear, slightly tack film (minimum 3 hours, maximum 24 hours). Underlayment shall not be installed until primer is dry. NOTE: If a suitable acrylic curing compound has been used on the concrete, test the surface for porosity. If the concrete is porous, prime with ARDEX P 51. If it is non-porous, prime with ARDEX P 82.

D. Mixing: Comply with manufacturer's printed instructions.

E. Application: Comply with manufacturer's printed instructions and the following.
   1. Underlayment must be installed at a minimum thickness of 1/8" (3 mm) over the highest point in the floor, which typically results in an average thickness of ¼" (6 mm) or more over the entire floor.
   2. Pour the liquid underlayment and spread in place with the Spreader. Immediately use the a smoother or spike roller to smooth the surface. Wear non-metallic cleats to avoid leaving marks in the liquid underlayment

F. Curing
   1. The cure time required prior to installing finish flooring will vary with the thickness of the underlayment installation and the type of flooring being installed. Contact manufacturer regarding recommended cure times.

3.3 PROTECTION

A. Prior to the installation of the finish flooring, the surface of the underlayment should be protected from abuse by other trades by the use of plywood, Masonite or other suitable protection course.

END OF SECTION

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MISS UTILITY

CALL "MISS UTILITY AT 8-1-1 OR 1-800-257-7777 OR LOG ON TO www.call811.com or www.missutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED, 48 HOURS AFTER CALLING MISS UTILITY. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

ADD-ALTERNATE
PARKING LOT EXPANSION
SCALE 1" = 20'

BASE BID
SCALE 1" = 20'

GENERAL DEMOLITION NOTES

1. CONTRACTOR SHALL PROVIDE REQUIRED SIGNAGE AND FLAGMEN ALONG ALL PUBLIC STREETS ADJACENT TO THE SITE, TO ASSURE THE SAFETY OF ALL VEHICULAR AND PEDESTRIAN TRAFFIC. ALL TRAFFIC CONTROLS MUST BE IN ACCORDANCE WITH THE MOST CURRENT MUTCD REQUIREMENTS AND WITH THE MOST CURRENT MONTGOMERY COUNTY WORK ZONE TRAFFIC CONTROL STANDARDS AND DETAILS.

2. ALL WORK SHALL BE PERFORMED IN STRICT CONFORMANCE WITH THE MOST CURRENT APPLICABLE EPA AND OSHA REGULATIONS AND MUST COMPLY WITH THE MOST CURRENT FEDERAL, STATE AND/OR LOCAL REGULATIONS AND CODES APPLICABLE TO SAID WORK.

3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH REPRESENTATIVE UTILITY COMPANIES AND IMPLEMENTING REQUIRED UTILITY-RELATED WORK ACCORDINGLY.

4. THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR OWNERS REPRESENTATIVE IMMEDIATELY UPON ENCOUNTERING ANY HAZARDOUS AND CONTAMINATED MATERIALS. THE CONTRACTOR SHALL DOCUMENT SAME TO THE OWNER TO OBTAIN DIRECTION AS TO THE APPROPRIATE ACTION(S) TO BE TAKEN.

5. WHERE NEW WORK IS TO BE DONE, CARE SHALL BE TAKEN TO PROTECT ALL EXISTING ADJACENT SURFACES AND AREAS FROM DAMAGE. ANY AREAS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR TO REPAIR ANY DAMAGE TO EXISTING FEATURES THAT ARE NOT SHOWN FOR DEMOLITION/REMOVAL AT NO ADDITIONAL COST TO THE OWNER.

6. CONTRACTOR SHALL BACKFILL EXCAVATED AREAS WITH ACCEPTABLE MATERIAL, AS SPECIFIED IN THE CONTRACT DOCUMENTS.

7. THE CONTRACTOR SHALL SHEET/SHORE AND BRACE ANY AND ALL STRUCTURES EXPOSED BY EXCAVATION/CONSTRUCTION.

8. IN THE EVENT THAT, DURING DEMOLITION OR CONSTRUCTION ACTIVITIES THE CONTRACTOR ENCOUNTERS ANY EXISTING UTILITIES/STRUCTURES NOT SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE OWNER FOR DIRECTIONS PRIOR TO PROCEEDING WITH ANY WORK.

9. ALL SAWCUTS ARE TO BE STRAIGHT AND EVEN, JAGGED EDGES WILL NOT BE ACCEPTED.

10. IT IS THE INTENT OF THIS DEMOLITION PHASE TO PROVIDE A SITE CLEAR OF ALL PHYSICAL CONSTRUCTIONS THAT WOULD OTHERWISE IMPEDE NEW CONSTRUCTION.

11. THERE MAY BE ADDITIONAL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION THAT ARE NOT IDENTIFIED ON THESE PLANS. CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION AND IMMEDIATELY NOTIFY THE OWNER OF ANY ENCOUNTERED UTILITIES.

12. ALL UNDERGROUND UTILITIES ENCOUNTERED DURING DEMOLITION AND CONSTRUCTION SHALL BE ASSUMED TO BE LIVE UNTIL DETERMINED OTHERWISE

13.THE CONTRACTOR MUST OBTAIN THE SERVICES OF CERTIFIED ARBORIST TO DETERMINE WHICH TREES, NOT SPECIFICALLY DENOTED OUTSIDE THE LOD, SHOULD BE REMOVED WHERE SIGNIFICANT DAMAGE TO THE TREES CRITICAL ROOT ZONE MAY OCCUR BECAUSE OF CONSTRUCTION ACTIVITIES. THESE TREES TO BE REMOVED SHALL BE FLUSH CUT AND DEBRIS REMOVED FROM THE SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE IMPACTS AND INCLUDE ANY TREE DEMOLITION NOT SPECIFICALLY SHOWN ON THE PLANS HEREON AT NO ADDITIONAL COST TO THE OWNER AFTER BID AWARD.

14. REPLACE DEMOLISHED MATERIALS WITH STRUCTURAL FILL, COMPACTED TO MINIMUM 95% OF MAX DRY DENSITY BASED UPON ASTM D1557. DO NOT REPLACE MATERIAL IF ABOVE SUBGRADE OF NEW CONSTRUCTION.

15.EXISTING CURB AND CURB AND GUTTER ALONG ADJACENT STREETS AND ENTRANCE WAYS TO REMAIN, UNLESS NOTED OTHERWISE

16. WHERE CONCRETE TO BE DEMOLISHED IS SHOWN ADJACENT TO CURB OR CURB AND GUTTER, CONTRACTOR SHALL SAWCUT ALONG BACK OF CURB.

CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 30"x 42")

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

OWNER/APPLICANT
MONTGOMERY COUNTY
DEPARTMENT OF GENERAL SERVICES
101 MONROE STREET, 11TH FLOOR
ROCKVILLE, MARYLAND 20850
ATTN: AHMED NAJI
TEL: 240.777.6080 FAX: 240.777.6003
Ahmed.Naji@montgomerycountymd.gov

VICINITY MAP
SCALE: 1" = 2,000'±
(WSSC GRID: 215 NW 05)
MONTGOMERY COUNTY
ADC MAP PAGE: 5285
GRIDS: D-3
(2008/39TH EDITION)

LEGEND

PROPERTY LINE
CONTOUR
BENCHMARK
MANHOLE
SANITARY SEWER
STORM DRAIN
UTILITY POLE
OVERHEAD UTILITY LINE
ELECTRIC LINE
GAS LINE
GAS VALVE
WATER LINE
WATER VALVE
FIRE HYDRANT
WATER METER
TELEPHONE LINE
RIPRAP
LIGHT
SIGN
CHAIN LINK FENCE
TREELINE
EXISTING UTILITY (TBR) (TO BE REMOVED)
FEATURE TO BE REMOVED
EXISTING MODULAR TO BE RELOCATED. FOUNDATION & UTILITIES TO BE REMOVED BY CONTRACTOR.
EXISTING ASPHALT DRIVE W/CURB & GUTTER TO BE REMOVED
EXISTING CONCRETE SIDEWALK & ASPHALT PAVEMENT TO BE REMOVED
EXISTING ASPHALT TO BE MILLED (2" DEPTH)

CLIENT:

MONTGOMERY COUNTY
MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET
ROCKVILLE, MARYLAND 20850

PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES
IMPARTMENTS
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ARCHITECT:

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CIVIL, STRUCTURAL, SPECIALTY ENGINEERING

Patrick East Business Center
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Phone: 301.662.4408 Fax: 301.662.7484
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REGISTRATION:

NO.	DATE	ISSUE DESCRIPTION
	03.29.17	PERMIT SET
1	07.14.17	PERMIT REVISION #1
	08.03.17	BID SET
1	10.18.17	ADDENDUM 1

PROJECT NO:	GP #21618
DRAWN BY:	AMM
CHECKED BY:	JJB

MCDPS SHEET NO. __ of 8

SHEET TITLE:

DEMOLITION PLAN

SHEET NUMBER:

C-1B

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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NOTE:
SWM IS DESIGNED FOR FUTURE ADD–ALTERNATE PARKING LOT.

SITE NOTES

1. REFER TO DRAWING C–1A OF THIS PACKAGE FOR GENERAL NOTES THAT ARE APPLICABLE FOR THIS SET OF CONTRACT DOCUMENTS.
2. ALL PAVING SHALL BE INSTALLED FREE OF LOW PONDING AREAS AND SHALL BE GRADED TO DRAIN TO INLETS AND/OR OTHER DRAINAGE STRUCTURES.
3. ALL PAVEMENT STRIPING AND HANDICAP ACCESS RAMPS SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT APPLICABLE ADA CODES, SPECIFICATIONS AND DETAILS SHOWN ON THE CONTRACT DOCUMENTS.
4. ALL SIDEWALKS TO BE 6' WIDE, UNLESS SPECIFICALLY DIMENSIONED OTHERWISE. ALL CURB RADII AND SIDEWALK RADII TO BE 5', UNLESS NOTED OTHERWISE.
5. PROPOSED ELEVATIONS ARE ABBREVIATED, REFER TO EXISTING CONTOURS FOR DATUM.
6. ALL CURB LINES ARE NOTED AS HAVING A NORMAL GUTTER PAN (CC&G) OR SPILL GUTTER PAN (CC&SG). SEE DETAIL 1, SHEET C–3B.
7. SPOT ELEVATIONS ALONG A CURB LINE ARE TO THE FLOW LINE, UNLESS SPECIFICALLY NOTED OTHERWISE.
8. TEMPORARY TREE PROTECTION FENCE SHALL BE MAINTAINED UPRIGHT AND IN GOOD CONDITION FOR THE DURATION OF THIS PROJECT AND SHALL BE REMOVED TOWARD THE END OF PROJECT, WITH APPROVAL FROM INSPECTOR.
9. EXISTING PAVEMENT AND SITE IMPROVEMENTS OUTSIDE THE LIMIT OF DISTURBANCE ARE TO BE RETAINED. THE CONTRACTOR SHALL RESTORE ANY AND ALL AREAS DISTURBED DURING CONSTRUCTION TO ORIGINAL CONDITION OR BETTER.
10. REFER TO ELECTRICAL PLAN FOR SITE LIGHTING AND LAYOUT..
11. CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY TOPS AS REQUIRED TO MEET NEW GRADES.
12. ALL PERIMETERS, PAVING EDGES AND ISLANDS SHALL BE CURBED, UNLESS SHOWN OTHERWISE.
13. CURBS, GUTTERS, SIDEWALKS AND PAVING SHALL BE INSTALLED IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE FOR ALL AREAS SO THERE IS NO ACCUMULATION OF SURFACE WATER.
14. ALL PAVING, STORM DRAINAGE, UTILITIES AND IMPROVEMENTS ON THIS PARCEL ARE PRIVATE AND THE MAINTENANCE IS THE RESPONSIBILITY OF THE OWNER.

VICINITY MAP

SCALE: 1" = 2,000'±
(WSSC GRID: 215 NW 05)
MONTGOMERY COUNTY
ADC MAP PAGE: 5285
GRIDS: D–3
(2008/39TH EDITION)

LEGEND

PROPERTY LINE
CONTOUR — 96 —
BENCHMARK
MANHOLE
SANITARY SEWER — X"S —
STORM DRAIN — X"RCP —
UTILITY POLE
OVERHEAD UTILITY LINE — OHU —
ELECTRIC LINE — E —
GAS LINE — G —
GAS VALVE GV
WATER LINE — X"W —
WATER VALVE WV
FIRE HYDRANT
WATER METER W
TELEPHONE LINE — T —
RIPRAP
LIGHT
SIGN
CHAIN LINK FENCE
TREELINE
PROP. BUILDING (SEE ARCH DWG'S)
CONCRETE SIDEWALK
LIGHT DUTY ASPHALT
2" MILL AND OVERLAY
PATIO PAVERS (SEE ARCH DWG'S)

MONTGOMERY COUNTY PRE–RELEASE CENTER PROPOSED PARKING TABULATION

STANDARD SPACES (9'x 18')	54
ACCESSIBLE SPACES (8'x 18')	1
VAN ACCESSIBLE SPACES	2
TOTAL PROPOSED	57
TOTAL EXISTING	50

BUILDING COVERAGE

SITE AREA = 156,380 SF
LIMITS OF DISTURBANCE = 38,490 SF
EXISTING BUILDING = 39,182 SF (TO REMAIN)
EXISTING PORTABLE = 846 SF (TO REMAIN)
PROPOSED BUILDING = 3,460 SF
PROPOSED PORTABLE = 1,440 SF
TOTAL BUILDING = 44,928 SF
TOTAL BUILDING COVERAGE = 28.7%

NOTES: ⚠

IT IS THE CONTRACTORS RESPONSIBILITY TO COMPLETE ALL WORK SHOWN WITHIN THE PARKING LOT AREA PER THE BASE BID IN ORDER TO PROVIDE FIRE ACCESS TO THE PORTABLE BUILDINGS SO THAT USE AND OCCUPANCY CAN BE OBTAINED FOR THE PORTABLE BUILDINGS. USE AND OCCUPANCY FOR THE PORTABLE BUILDINGS MUST BE IN PLACE PRIOR TO BEGINNING WORK FOR THE BUILDING ADDITION EXPANSION.

INSTALLATION OF THE UNDERGROUND STORMWATER MANAGEMENT FACILITY MUST BE COMPLETED AS QUICKLY AS POSSIBLE IN AN EFFORT TO PROVIDE THE MAXIMUM PARKING AREA FOR BUILDING STAFF. THE DEMOLITION OF THE EXISTING PARKING LOT, EXCAVATION FOR THE STRUCTURE, PLACEMENT OF THE STRUCTURE ON BASE MATERIAL, TESTING OF THE STRUCTURE, BACKFILL AROUND THE STRUCTURE, STONE BASE MATERIAL FOR PARKING AND AT LEAST THE BASE ASPHALT SHALL BE COMPLETED OVER AN EXTENDED WEEKEND TO MINIMIZE DISRUPTION OF THE STAFF PARKING LOT. THE CONTRACTOR SHALL HAVE A TOTAL OF 96 CONSECUTIVE HOURS (4 CALENDAR DAYS) TO CLOSE THE PARKING SPACES TO PERFORM THE WORK AND THEN REOPEN THE PARKING SPACES FOR USE BY THE STAFF. A NOISE ORDINANCE WAIVER WILL BE REQUIRED AND SHALL BE OBTAINED BY THE CONTRACTOR.

THE CONTRACTOR SHALL REFER TO THE NOTES ON THE WSSC PLANS REGARDING WORK WITHIN THE EXISTING WSSC EASEMENT AT THE NORTH SIDE OF THE PROPERTY

PROPOSED ZONING: IL INDUSTRIAL LIGHT

	REQUIRED IL ZONED	PROPOSED IL ZONED
MAIN BUILDING SETBACK FROM STREET	10 FEET	61.8 FEET
SIDE YARD–ONE SIDE	10 FEET	NA
SIDE YARD–SUM OF BOTH SIDES	25 FEET	NA
REAR YARD	0 FEET	93.64 FEET
ACCESSORY BUILDING SETBACK FROM STREET	65 FEET	NA
ACCESSORY BUILDING SETBACK FROM SIDE	12 FEET	NA
ACCESSORY BUILDING SETBACK FROM REAR	12 FEET	NA
MAX. BUILDING HEIGHT	50 FEET	56 FEET
MAXIMUM COVERAGE	15.7%	28.7%

MISS UTILITY

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CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 30"x 42")

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

PLAN
SCALE 1" = 20'

OWNER/APPLICANT
MONTGOMERY COUNTY
DEPARTMENT OF GENERAL SERVICES
101 MONROE STREET, 11TH FLOOR
ROCKVILLE, MARYLAND 20850
ATTN: AHMED NAJI
TEL: 240.777.6080 FAX: 240.777.6003
Ahmed.Naji@montgomerycountymd.gov

CLIENT:

MONTGOMERY COUNTY
MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET
ROCKVILLE, MARYLAND 20850

PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES
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ARCHITECT:

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REGISTRATION:

NO.	DATE	ISSUE DESCRIPTION
	03.29.17	PERMIT SET
1	07.14.17	PERMIT REVISION #1
	08.03.17	BID SET
1	10.18.17	ADDENDUM 1

PROJECT NO:	GP #21618
DRAWN BY:	AMM
CHECKED BY:	JJB

MCDPS SHEET NO. __ of 8

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

C–3A

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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NOTES:

1. REFER TO MARYLAND STATE HIGHWAY ADMINISTRATION SPECIFICATIONS FOR MATERIALS AND METHODS OF CONSTRUCTION.
2. EXPANSION JOINT MATERIAL SHALL BE 1/2 INCH PREFORMED CORK, TRIMMED, AND SEALED WITH NON-STAINING, TWO-COMPONENT POLYSULFIDE OR POLYURETHANE ELASTOMERIC TYPE SEALANT COMPLYING WITH FS TT-S-00227.
3. SCORE THE CONCRETE FOR THE TRANSVERSE JOINTS TO A DEPTH OF 1/3 OF THE THICKNESS TO PROVIDE A WEAKENED PLANE.
4. WHERE SIDEWALK IS BEHIND RAMP, SLOPE 'A' IS 12:1 MAX. WHERE NO SIDEWALK IS BEHIND RAMP, SLOPE 'A' IS 50:1 MAX.
5. REFER TO MDOT-SHA STD. NO. MD-655.40 FOR DETECTABLE WARNING SURFACE. DETACTABLE SURFACE SHALL BE "CAST IN PLACE EZ SET TILE™" BY DETECTABLE WARNING SYSTEMS, INC. OR APPROVED EQUAL. COLOR SHALL BE SAFETY YELLOW.

1 C-3B **1 ACCESSIBLE RAMP (TYPE I)**
NOT TO SCALE

1 C-3B **2 CONCRETE HANDICAP RAMP SECTION**
NOT TO SCALE

NOTES:

1. ALL CONCRETE SHALL BE PER MDOT-SHA MIX. NO. 6
2. PROVIDE CONTROL JOINTS EVERY 4'-0" MIN. BOTH DIRECTIONS PROVIDE ⅜" EXPANSION JOINT EVERY 20' O/C MAX. MARK EXPANSION/CONTRACTION JOINTS FOR SIDEWALK WIDTHS 4'-0" TO 8'-0". IF "W" IS 8'-0" OR GREATER, ADD LONGITUDINAL CONTROL JOINT ALONG ℄ OF SIDEWALK.
3. CONTROL JOINTS SHALL BE SAW-CUT OR FORMED TO A DEPTH OF ⅓ OF THE SLAB THICKNESS AND ⅛" WIDE.
4. PROVIDE ⅜" EXPANSION JOINT WHERE SIDEWALK ABUTS CURB OR OTHER RIGID STRUCTURE(S). JOINT SHALL BE SEALED WITH NON-STAINING TWO-COMPONENT POLYSULFIDE OR POLYURETHANE ELASTOMERIC TYPE SEALANT COMPLYING WITH ASTM-C-920.
5. LIGHT BROOM FINISH, PERPENDICULAR TO THE LONGITUDINAL DIRECTION OF TRAVEL.
6. THERE SHALL BE NO ABRUPT CHANGES IN ELEVATION ALONG THE ACCESSIBLE ROUTE GREATER THAN ¼".
7. OBJECTS SUCH AS TREE BRANCHES, SIGNS, WATER FOUNTAINS, ETC. SHALL NOT PROTRUDE INTO THE SIDEWALK MORE THAN 4" AT HEIGHTS BETWEEN 27" AND 80".
8. ALL OBSTRUCTIONS INTO THE SIDEWALK, SUCH AS POWER POLES, HYDRANTS, SIGN POSTS, ETC. MUST HAVE AT LEAST 36" OF CLEAR TRAVEL SPACE AROUND THE OBSTRUCTION.
9. ALL UTILITY COVERS IN SIDEWALK SHALL HAVE AN ANTI-SLIP FINISH AND MEET ADA REGULATIONS.
10. THE MAXIMUM CROSS SLOPE ON THE SIDEWALK SHALL NOT EXCEED 2%.

1 C-3B **3 ON-SITE CONCRETE SIDEWALK**
NOT TO SCALE

CURB/WITH NORMAL GUTTER **CURB/WITH SPILL GUTTER**

GENERAL NOTES

1. REFER TO MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION SPECIFICATIONS FOR MATERIALS, METHODS OF CONSTRUCTION AND EXPANSION JOINT LOCATIONS PER MC DOT MC-100.01
2. EXPANSION JOINT MATERIAL SHALL BE 1 1/2 INCH PREFORMED CORK, TRIMMED AND SEALED WITH NON-STAINING TWO-COMPONENT POLYSULFIDE OR POLYURETHANE ELASTOMERIC TYPE SEALANT COMPLYING WITH FS TT-S-00227, (NON-EXTRUDING).
3. THE STANDARD DISTANCE BETWEEN JOINTS SHALL BE 10' (MAXIMUM AND MINIMUM DISTANCES SHALL BE 13' AND 5' RESPECTIVELY).
4. USE SPILL CURB WHERE ADJACENT PAVEMENT SLOPE FALLS AWAY FROM CURB.

1 C-3B **5 CONCRETE CURB & GUTTER**
NOT TO SCALE

1 C-3B **4 DEPRESSED CURB DETAIL**
NOT TO SCALE

C-3B **6 LIGHT DUTY ASPHALT**
NOT TO SCALE

1 C-3B **7 ON-SITE REGULAR DUTY ASPHALT**
NOT TO SCALE

NOTES:

1. HANDRAIL TO BE PROVIDED FOR ALL RAMPS.
2. HANDRAIL TO BE PREFABRICATED STEEL, THEN HOT DIP GALVANIZED, THEN POWDER COATED WHITE PRIOR TO DELIVERY TO SITE AND INSTALLATION.
3. 5' MAX. BETWEEN VERTICAL POSTS.
4. ALL MATERIALS SHALL COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION STANDARDS FOR CONSTRUCTION AND MATERIALS, LATEST EDITION.
5. HANDRAILS SHALL BE CONTINUOUS ALONG BOTH SIDES OF RAMP AND LANDINGS AS SHOWN.
6. CROSS SLOPE OF RAMP AND LANDINGS SHALL BE CONSTRUCTED AT 2.0% MAXIMUM.
7. THE MAXIMUM RAMP RISE BETWEEN TWO LANDINGS SHALL BE 30" MAXIMUM.
8. WHERE A CHANGE IN DIRECTION OF TRAVEL IS SHOWN PER THE PLAN AT LANDINGS BETWEEN RAMP RUNS, THE LANDING CLEAR WIDTH BETWEEN RAILINGS SHALL BE 60" MINIMUM.
9. THE CLEAR WIDTH BETWEEN RAILINGS ON A RAMP RUN SHALL BE 48" MINIMUM OR NOT SMALLER THAN THE ADJACENT BUILDING DOOR EGRESS WIDTH, WHICHEVER IS LARGER.

1 C-3B **8 RAMP & HANDRAIL DETAIL**
NOT TO SCALE

NOTE: ALL DIMENSIONS SHOWN ARE TO THE INSIDE EDGE OF LINES. ALL LINES ARE TO BE WHITE AND 2 IN. WIDE.

1 C-3B **9 BASKETBALL COURT**
NOT TO SCALE

NOTE:

BASKETBALL BACKSTOPS SHALL BE MANUFACTURED BY AALCO, MODEL G66-601. ALL BACKSTOPS SHALL HAVE SAFETY PIN IN POST TO PREVENT BACKSTOP SLIPPAGE.

1 C-3B **10 BASKETBALL GOAL**
NOT TO SCALE

OWNER/APPLICANT
MONTGOMERY COUNTY
DEPARTMENT OF GENERAL SERVICES
101 MONROE STREET, 11TH FLOOR
ROCKVILLE, MARYLAND 20850
ATTN: AHMED NAJI
TEL: 240.777.6080 FAX: 240.777.6003
Ahmed.Naji@montgomerycountymd.gov

CLIENT:

MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET
ROCKVILLE, MARYLAND 20850

PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES IMPARTMENTS
PHASE 1
11651 NEBEL STREET
ROCKVILLE, MD 20852

ARCHITECT:

GRIMM AND PARKER
11720 BELTSVILLE DRIVE, SUITE 600
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CONSULTANT:

ADTEK
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Phone: 301.662.4408 Fax: 301.662.7484
www.adtekengineers.com

REGISTRATION:

NO.	DATE	ISSUE DESCRIPTION
	03.29.17	PERMIT SET
1	07.14.17	PERMIT REVISION #1
	08.03.17	BID SET
1	10.18.17	ADDENDUM 1

PROJECT NO:	GP #21618
DRAWN BY:	AMM
CHECKED BY:	JJB

SHEET TITLE:

SITE DETAILS

SHEET NUMBER:

C-3B

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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SIGN TABLE

LABEL	DESCRIPTION	STANDARD NO.	SIZE
ST	STOP	R1-1	30" x 30"
DNE	DO NOT ENTER	R5-1	30" x 30"
HC	HANDICAP PARKING	R7-8	12" x 18"
FL1	NO PARKING FIRE LANE-1	SEE DETAIL 1 C-6	SEE DETAIL 1 C-6
FL2	NO PARKING FIRE LANE-2	SEE DETAIL 2 C-6	SEE DETAIL 2 C-6
FL3	NO PARKING FIRE LANE-3	SEE DETAIL 3 C-6	SEE DETAIL 3 C-6

ADD-ALTERNATE
PARKING LOT EXPANSION
SCALE 1" = 20'

NOTE: TO BE LOCATED AS REQUESTED BY OWNER, (26 TOTAL).

4 / C-6 TYPICAL ON-SITE TRAFFIC ARROW
NOT TO SCALE

VICINITY MAP
SCALE: 1" = 2,000'±
(WSSC GRID: 215 NW 05)
MONTGOMERY COUNTY
ADC MAP PAGE: 5285
GRIDS: D-3
(2008/39TH EDITION)

LEGEND

PROPERTY LINE
CONTOUR — 96 —
BENCHMARK BM
MANHOLE
SANITARY SEWER — X"S —
STORM DRAIN — X"RCP —
UTILITY POLE
OVERHEAD UTILITY LINE — OHU —
ELECTRIC LINE — E —
GAS LINE — G —
GAS VALVE GV
WATER LINE — X"W —
WATER VALVE WV
FIRE HYDRANT
WATER METER W
TELEPHONE LINE — T —
RIPRAP
LIGHT
SIGN
CHAIN LINK FENCE
TREELINE
PROP. BUILDING (SEE ARCH DWG'S)
CONCRETE SIDEWALK
LIGHT DUTY ASPHALT
2" MILL AND OVERLAY
PATIO PAVERS (SEE ARCH DWG'S)

PLAN
SCALE 1" = 20'

1 / CP-201 NO PARKING FIRE LANE SIGN-1 (FL-1)
NOT TO SCALE

2 / CP-201 NO PARKING FIRE LANE SIGN-2 (FL-2)
NOT TO SCALE

3 / CP-201 NO PARKING FIRE LANE SIGN-3 (FL-3)
NOT TO SCALE

MISS UTILITY

CALL "MISS UTILITY AT 8-1-1 OR 1-800-257-7777 OR LOG ON TO www.call811.com or www.missutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED, 48 HOURS AFTER CALLING MISS UTILITY.

CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 30"x 42")

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

SIGNING AND STRIPING NOTES:

1. ACCESSIBLE SYMBOLS SHALL BE PAINTED IN ACCORDANCE TO THE AMERICAN DISABILITIES ACT.
2. ALL TRAFFIC ARROWS AND CROSSWALKS SHALL BE PAINTED WHITE AND MEET CURRENT MUTCD STANDARDS PER CHAPTER 3.
3. FOR GARAGE PARKING TABULATION SEE ARCHITECTURAL DRAWINGS.
4. ALL PAVEMENT STRIPING AND ACCESSIBLE RAMPS SHOWN ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT APPLICABLE ADA CODES, SPECIFICATIONS AND DETAILS SHOWN ON THE CONTRACT DOCUMENTS.
5. ALL STANDARD PARKING SPACES SHALL BE STRIPED @ 9'x18', COMPACT SPACES SHALL BE 9'x16', AND ACCESSIBLE SPACES STRIPED AS SHOWN.
6. FOR ACCESSIBLE PARKING SIGNS SEE DETAIL 7, SHEET CS-201.
7. SPECIFIC LOCATION OF SIGNS TO BE DETERMINED BY OWNER.

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PROJECT NO:	GP #21618
DRAWN BY:	AMM
CHECKED BY:	JJB

SHEET TITLE:

SIGNAGE, STRIPING & FENCING PLAN

SHEET NUMBER:

C-6

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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02 PLAN VIEW

C–4D SCALE: NOT TO SCALE

05 SECTION B-B

C–4D SCALE: NOT TO SCALE

03 SECTION A-A

C–4D SCALE: NOT TO SCALE

06 SECTION C-C

C–4D SCALE: NOT TO SCALE

SWM #	A (ft)	B (ft)	C (ft)	D (ft)	E (ft)	F (ft)	G (ft)	H (ELEV.)	J (INV. IN)	K (INV. OUT)	W (ELEV.)	X (ELEV.)	Y (ELEV.)	Z (ELEV.)	PERM. POOL (ELEV)	WQV (ELEV)
1	13'–0"	20'–0"	37'–6"	18'–9"	N/A	4'–0"	7'–0"	315.32	319.63	315.32	326.40	326.42	326.43	326.45	318.32	321.52

ADDITIONAL SAND FILTER MAINTENANCE NOTES

1. CARE SHALL BE EXERCISED TO MAINTAIN FILTERING SAND AND AGGREGATE PER ASTM C 33 DURING CONSTRUCTION. ALL CONTAMINATED MATERIALS MUST BE REPLACED WITH CLEAN MATERIALS PER ASTM C 33.

2. NO WATER IS ALLOWED TO FLOW INTO THE FILTER CHAMBER BEFORE COMPLETE STABILIZATION OF ALL UPLAND AREA IS ACHIEVED AND INSPECTOR HAS GIVEN WRITTEN APPROVAL.

SAND FILTER INSPECTION AND MAINTENANCE REQUIREMENTS

THE SFWQ STRUCTURE IS DESIGNED TO MINIMIZE MAINTENANCE. HOWEVER, IT IS SUBJECT TO CLOGGING BY SEDIMENT, OIL, GREASE, GRIT, AND OTHER DEBRIS. ACTUAL PERFORMANCE AND SERVICE LIFE OF THE STRUCTURE IS NOT AVAILABLE AT THIS TIME. NEVERTHELESS, IT IS STILL VERY IMPORTANT TO PROVIDE A GENERAL STANDARD MAINTENANCE GUIDELINE IN ORDER TO MAINTAIN ADEQUATE STRUCTURE OPERATION.

THE MAINTENANCE OF THE SYSTEM INCLUDES:

THE WATER LEVEL IN THE FILTER CHAMBER SHOULD BE MONITORED BY THE OWNER ON A QUARTERLY BASIS AND AFTER EVERY LARGE STORM FOR THE FIRST YEAR AFTER COMPLETION OF CONSTRUCTION. A LOG OF THE RESULTS SHOULD BE MAINTAINED, INDICATING THE RATE OF DEWATERING AFTER EACH STORM AND THE WATER DEPTH FOR EACH OBSERVATION. ONCE THE REGULATORY STORMWATER INSPECTOR INDICATES THAT SATISFACTORY PERFORMANCE OF THE STRUCTURE HAS BEEN DEMONSTRATED, THE MONITORING SCHEDULE MAY BE REDUCED TO AN ANNUAL BASIS.

AS WITH OTHER PRETREATMENT STRUCTURES, THE FIRST CHAMBER MUST BE PUMPED OUT SEMI–ANNUALLY, OR WHEN SEDIMENT DEPTH REACHES 6" , WHICHEVER COMES FIRST. IF THE CHAMBER CONTAINS AN OIL SKIM, IT SHOULD BE REMOVED BY A FIRM SPECIALIZING IN OIL RECOVERY AND RECYCLING. THE REMAINING MATERIAL MAY THEN BE REMOVED BY A VACUUM PUMP TRUCK AND DISPOSED OF IN AN APPROVED LANDFILL. AFTER EACH CLEANING, REFILL THE FIRST CHAMBER TO A DEPTH OF THREE FEET WITH CLEAN WATER TO RE–ESTABLISH THE WATER SEAL.

AFTER APPROXIMATELY THREE TO FIVE YEARS, THE UPPER LAYER OF THE FILTER CAN BE EXPECTED TO BECOME CLOGGED WITH FINE SILT. WHEN THE DRAW DOWN TIME FOR THE FILTER EXCEEDS 72 HOURS, THE UPPER LAYER OF GRAVEL, GEOTEXTILE FABRIC, AND SAND MUST BE REMOVED AND REPLACED WITH NEW, CLEAN MATERIALS CONFORMING TO THE ORIGINAL SPECIFICATIONS.

SAND FILTER STRUCTURAL CONCRETE:

1. THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MARYLAND TO DESIGN AND DETAIL THE PRECAST CONCRETE SAND FILTER BASED ON THE REQUIREMENTS IN THESE DRAWINGS. THE ENGINEER MUST HAVE A MINIMUM OF THREE YEARS EXPERIENCE IN THE DESIGN OF THIS TYPE OF STRUCTURE. THE ENGINEER SHALL SIGN AND SEAL CALCULATIONS AND DRAWINGS FOR SUBMITTAL TO THE DESIGN TEAM AND THE AUTHORITIES HAVING JURISDICTION. THE AUTHORITIES MAY REQUIRE A FINAL CERTIFICATION FOR THE FINAL CONSTRUCTION OF THE STRUCTURE.

2. PRECAST CONCRETE SAND FILTER STRUCTURE SHALL BE DESIGNED PER
   2015 INTERNATIONAL BUILDING CODE
   ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
   ACI 350 CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES
   [STRUCTURE IS CLASSIFIED AS SEVERE EXPOSURE]

3. DESIGN SAND FILTER STRUCTURE FOR THE WEIGHT OF THE SOIL [SOIL SURCHARGE] AND THE ADDITIONAL LIVE LOADS SHOWN IN THE SCHEDULE.

4. STRUCTURE MUST BE WATER–TIGHT.
   ALL JOINTS SHALL BE CLAMPED AND SEALED.
   CLAMP–BOLT POCKETS SHALL BE GROUTED.
   LIFT HOLES SHALL BE GROUTED AND SEALED.
   STEEL TO BE GALVANIZED.

5. CONCRETE SHALL BE NORMAL WEIGHT = 150 PCF.
   DESIGN COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE: 5,000 PSI MINIMUM.
   MAXIMUM AGGREGATE SIZE FOR CONCRETE SHALL BE 3/4"
   CONCRETE SHALL BE AIR–ENTRAINED: 6% ± 1.5% OF THE TOTAL CONCRETE VOLUME
   WATER/CEMENT RATIO: 0.40 MAXIMUM

6. PROVIDE CONCRETE PROTECTION FOR REINFORCING AS FOLLOWS:
   2" COVER FOR ALL PRECAST ELEMENTS

7. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
   WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185, GRADE 65.
   DETAILING SHALL BE IN ACCORDANCE WITH ACI MANUAL 315 AND CODE REQUIREMENTS IN ACI 318 AND ACI 350.

8. CONCRETE QUALITY CONTROL, INSPECTION AND TESTING SHALL BE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS, ACI 301 AND THE LOCAL BUILDING CODE REQUIREMENTS.

SUBSURFACE INVESTIGATION:

1. SUBSURFACE INVESTIGATION AND REPORT BY ROBERT B. BALTER [OWINGS MILLS, MD 21117]

   TELEPHONE NO: 410–363–1555
   REPORT NO: #16286–0 MD
   GEOTECHNICAL REPORT DATED: MARCH 31, 2011

2. ASSUMED SOIL BEARING VALUE IS 2,000 POUNDS PER SQUARE FOOT FOR FOOTINGS ON UNDISTURBED NATURAL SOILS OR PROPERLY COMPACTED FILL.

3. LATERAL WALL LOADS (EQUIVALENT FLUID PRESSURE)
   RESTRAINED RETAINING WALLS: 63 PSF PER FOOT OF DEPTH
   LATERAL PASSIVE EARTH PRESSURE: 175 PSF PER FOOT OF DEPTH

4. COEFFICIENT OF SLIDING FRICTION FACTOR: 0.4

5. SOIL DENSITY: 125 PCF

SAND FILTER FOUNDATION:

1. FOUNDATION WORK AND SOIL COMPACTION SHALL BE IN STRICT ACCORDANCE WITH THE GEOTECHNICAL REPORT FOR THE PROJECT.

2. CONTROLLED STRUCTURAL FILL MAY UTILIZE APPROVED ON–SITE MATERIAL. SEE THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION. CLAYEY SILT AND SILTY CLAY SHOULD NOT BE USED. BACKFILL MATERIAL SHALL BE APPROVED ON–SITE BY GEOTECHNICAL INSPECTOR PRIOR TO PLACEMENT. IMPORT BACKFILL MATERIAL AS REQUIRED IF ON–SITE SOILS DO NOT MEET THESE REQUIREMENTS. QUANTITIES FOR IMPORTED MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.

3. THE FINAL SOIL BEARING CAPACITY AND FOUNDATION SUBGRADES SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL INSPECTOR OR THE MONTGOMERY COUNTY INSPECTOR PRIOR TO PLACING THE PRECAST SECTIONS.

CONSTRUCTION INSPECTION
CHECK–OFF LIST FOR SEPARATOR SAND FILTERS (SEPSF'S)

STAGE	DESIGN ENGINEER (DE)	GEOTECHNICAL ENGINEER (GEO)	COUNTY INSPECTOR	MNCP&PC & OTHER
* MANDATORY NOTIFICATION: Inspection and approval by the parties indicated is required at these points prior to proceeding with construction. The Permittee is required to give the required inspection parties twenty–four (24) hours notice (DPS telephone 240–777–0311). The DPS inspector may waive an inspection, provided the design engineer and/or geotechnical engineer makes the required inspection per a prior scheduled arrangement which has been confirmed with the DPS inspector. Work completed without the necessary party's approval may result in the permittee having to remove and reconstruct the unapproved work. The permittee must maintain a "record set" of approved SC/SM plans on–site.	INITIALS/DATE	INITIALS/DATE	INITIALS/DATE	INITIALS/DATE
1. Pre–construction meeting.	*	*	*	*
2. Sediment control installation.			*	
3. Excavation for stormwater management structure (GEO)		*		
4. Footing subgrade (GEO)		*	*	
5. Footing steel and forms per approve shop drawings/plans (DE)	*		*	
6. Side steel and forms per approved shop drawings/plans (DE)	*		*	
7. Concrete pouring and testing (slabs and walls) (GEO)		*	*	
8. Internal components except filter media (DE)	*		*	
9. Site is permanently stabilized. All sediment and debris flushed from structure and sediment control measures removed.			*	
10. Installation of filter media (DE) or (GEO)			*	
11. Top slab with access (**) dimensions forms, and steel placement (DE); concrete testing (GEO) – Lifts, compaction, soil material (GEO) – Location, dimensions (DE)	*	*	*	
12. Remove temporary blocking (DE) and (GEO)	*	*	*	
13. Submit record drawing and documentation (DE)	*	*	*	
14. Final inspection.	*	*	*	

NOTES:
1. Should pre–cast structures be used, a design certification from the manufacturer must be supplies to the Design Engineer and the County Inspector prior to installation indicating that the structure was built in conformance with design plans.
2. Permittee to supply Design Engineer with delivery tickets for all materials used in the SEPSF construction.
3. See construction specifications this plan for detailed requirements.
4. **Top slab can be placed earlier should adequate access and ability to place filter media be made available. DE to inspect placement of removable slab section(s) if required.
5. A copy of this completed checklist must be submitted as part of the stormwater management as–built package.

DPS Inspection Telephone: (240) 777–0311
MNCPPC Inspection Telephone: (301) 495–4571

SAND FILTER SPECIFICATIONS

MATERIAL	SPECIFICATION/TEST METHOD	SIZE	NOTES
SAND	CLEAN AASHTO–M–6 OR ASTM–C–33 CONCRETE SAND	0.02" TO 0.04"	SAND SUBSTITUTIONS SUCH AS DIABASE AND GRAYSTONE # 10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATED OR DOLOMITIC SAND SUBSTITUTIONS ARE ACCEPTABLE. NO "ROCK DUST" CAN BE USED FOR SAND.
UNDERDRAIN GRAVEL	AASHTO–M–43	#7 STONE	——
GEOTEXTILE FABRIC	SHA PE TYPE 1, NONWOVEN GEOTEXTILE	0.08" THICK EQUIVALENT OPENING SIZE, OF # 80 SIEVE	MUST MAINTAIN 125 GPM PER SQ. FT. FLOW RATE. NOTE: A 4" LAYER OF #7 STONE MAY BE SUBSTITUTED FOR GEOTEXTILES MEANT TO "SEPARATE" SAND FILTER LAYERS.
UNDERDRAIN PIPING	F 758, TYPE PS 28 OR AASHTO–M–278	6"–8" RIGID SCHEDULE 40 PVC OR SDR35	3/8" PERF @ 6" ON CENTER, 4 HOLES PER ROW; MINIMUM OF 3" OF GRAVEL OVER PIPES; NOT NECESSARY UNDERNEATH PIPES.
CONCRETE (PRE–CAST)	SEE CONCRETE NOTES	N/A	SEE CONCRETE NOTES
NON–REBAR STEEL	SEE CONCRETE NOTES	N/A	SEE CONCRETE NOTES

OWNER/APPLICANT
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Ahmed.Naji@montgomerycountymd.gov

TECHNICAL REVIEW OF SEDIMENT CONTROL
REVIEWED DATE

TECHNICAL REVIEW OF STORMWATER MANAGEMENT
REVIEWED DATE

ADMINISTRATIVE REVIEW
REVIEWED DATE

SMALL LOT DRAINAGE APPROVAL
N/A: ☐ OR
REVIEWED DATE

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED FOR A MCDPS ACCESS PERMIT.

MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEARS FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED.

DPS approval of a sediment control or stormwater management plan is for demonstrated compliance with minimum environmental runoff treatment standards and does not create or imply any right to divert or concentrate runoff onto any adjacent property without that property owner's permission. It does not relieve the design engineer or other responsible person of professional liability or ethical responsibility for the adequacy of the drainage design as it affects uphill or downhill properties.

282941
SEDIMENT CONTROL PERMIT NO.

282525
SM. FILE NO.
STORMWATER MANAGEMENT:

CLIENT:

MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET
ROCKVILLE, MARYLAND 20850

PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES IMPARTMENTS
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1	10.18.17	ADDENDUM 1

PROJECT NO: GP #21618
DRAWN BY: AMM
CHECKED BY: JJB

MCDPS SHEET NO. 6 of 8

SHEET TITLE:

SANDFILTER (SWM-1) DETAILS

SHEET NUMBER:

C–4D

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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VICINITY MAP

SCALE: 1" = 2,000'±
(WSSC GRID: 215 NW 05)
MONTGOMERY COUNTY
ADC MAP PAGE: 5285
GRIDS: D-3
(2008/39TH EDITION)

LEGEND

PROPERTY LINE	
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MANHOLE	
SANITARY SEWER	X"S
STORM DRAIN	X"RCP
UTILITY POLE	
OVERHEAD UTILITY LINE	OHU
ELECTRIC LINE	E
GAS LINE	G
GAS VALVE	GV
WATER LINE	X"W
WATER VALVE	WV
FIRE HYDRANT	
WATER METER	W
TELEPHONE LINE	T
RIPRAP	
LIGHT	
SIGN	
CHAIN LINK FENCE	
TREELINE	
PROP. BUILDING (SEE ARCH DWG'S)	
CONCRETE SIDEWALK	
LIGHT DUTY ASPHALT	
2" MILL AND OVERLAY	
PATIO PAVERS (SEE ARCH DWG'S)	

CLIENT:

MONTGOMERY COUNTY
MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

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DRAWN BY:	AMM
CHECKED BY:	JJB

TECHNICAL REVIEW OF SEDIMENT CONTROL
REVIEWED DATE
TECHNICAL REVIEW OF STORMWATER MANAGEMENT
REVIEWED DATE
ADMINISTRATIVE REVIEW
REVIEWED DATE
SMALL LOT DRAINAGE APPROVAL
N/A: ☐ OR
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NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED FOR A MCDPS ACCESS PERMIT.

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282941
SEDIMENT CONTROL PERMIT NO.

282525
SM. FILE NO.
STORMWATER MANAGEMENT:

MCDPS SHEET NO. 4 of 8

SHEET TITLE:

GRADING & SWM PLAN

SHEET NUMBER:

C-4A

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

MISS UTILITY

CALL "MISS UTILITY AT 8-1-1 OR 1-800-257-7777 OR LOG ON TO www.call811.com or www.missutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. BEFORE EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR CALLING TICKET CHECK AT 1-866-821-4226 TO VERIFY THAT ALL UTILITIES HAVE BEEN MARKED, 48 HOURS AFTER CALLING MISS UTILITY. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

CAUTION: IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED (ORIGINAL SIZE = 30"x 42")

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

OWNER/APPLICANT
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ROCKVILLE, MARYLAND 20850
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Ahmed.Naji@montgomerycountymd.gov

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STORM STRUCTURE NOTES:

1. CONTRACTOR SHALL SUBMIT CERTIFICATION THAT ALL STRUCTURES SUPPORT H-20 TYPE TRAFFIC LOADING. FOR REVIEW AND APPROVAL BY THE DESIGN ENGINEER.

2. TOP OF CURB HEAD PIECE ON ALL INLETS MUST MATCH ON-LINE AND AT GRADE WITH ADJACENT CURB.

3. INSTALL FLEXIBLE GASKET ADAPTER FOR ALL STRUCTURES WHERE PVC PIPE ENTERS/EXITS A CONCRETE STRUCTURE IN ACCORDANCE WITH WSSC STANDARDS AND SPECIFICATIONS.

4. ALL EXPOSED METAL SURFACES (I.E. LINTELS, GRATES, MANHOLE COVERS, ETC.) SHALL BE PAINTED WITH TWO (2) COATS OF BATTLESHIP GRAY PAINT (ZINC RICH).

5. TOP/GRADE ELEVATIONS ARE TO THE TOP CENTER OF STRUCTURE, NOT TO FLOW LINE.

6. ALL INLET TOP SLAB FRONT FACES SHALL BE PAINTED WITH THE FOLLOWING STORM DRAIN SIGN "CHESAPEAKE BAY DRAINAGE" & "DO NOT DUMP".

7. ALL MANHOLE FRAMES SHALL BE SECURELY ANCHORED TO THE TOP SLAB PER WSSC DETAIL 5/S4.3. (MAX. MANHOLE FRAME HEIGHT = 9")

8. ALL INLET GRATES SHALL BE BOLTED TO FRAME.

9. ALL STORM STRUCTURES INCLUDING MANHOLES, INLETS, END WALLS, AND PIPE SUPPORTS SHALL BE PRECAST. IT IS THE CONTRACTORS RESPONSIBILITY TO HAVE THE PRECAST MANUFACTURER DESIGN AND SUBMIT SIGNED AND SEALED SHOP DRAWINGS FOR REVIEW PRIOR TO PRECASTING BY A MARYLAND LICENSED P.E.

STORM DRAIN NOTES:

1. HDPE PIPE SHALL BE ADS TYPE N-12 OR APPROVED EQUAL. ALL JOINTS OF THE HDPE PIPE MUST MEET A MODIFIED ASTM 3212 AT 3.5 PSI HELD FOR 10 MINUTES. AS CERTIFIED BY AN INDEPENDENT TESTING LAB, AND HAVE DOUBLE GASKETS.

2. ALL PVC PIPE MUST BE SCH-40 OR THICKER, U.N.O.

STORMDRAIN PROFILE I-9 TO EX-1
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

STORMDRAIN PROFILE MH EX-2 TO MH-3
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

STORMDRAIN PROFILE FS-2 TO MH-1
SCALE: 1" = 30'(HORIZ) 1" = 3'(VERT)

NO.	DATE	ISSUE DESCRIPTION
	03.29.17	PERMIT SET
1	07.14.17	PERMIT REVISION #1
	08.03.17	BID SET
1	10.18.17	ADDENDUM 1

MISS UTILITY

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TECHNICAL REVIEW OF SEDIMENT CONTROL
REVIEWED DATE
TECHNICAL REVIEW OF STORMWATER MANAGEMENT
REVIEWED DATE
ADMINISTRATIVE REVIEW
REVIEWED DATE
SMALL LOT DRAINAGE APPROVAL
N/A: ☐ OR
REVIEWED DATE

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282941
SEDIMENT CONTROL PERMIT NO.

282525
SM. FILE NO.
STORMWATER MANAGEMENT:

CLIENT:

MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET
ROCKVILLE, MARYLAND 20850

PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES IMPARTMENTS
PHASE 1
11651 NEBEL STREET
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ARCHITECT:

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REGISTRATION:

PROJECT NO:	GP #21618
DRAWN BY:	AMM
CHECKED BY:	JJB

MCDPS SHEET NO. 5 of 8

SHEET TITLE:

STORMDRAIN PROFILES

SHEET NUMBER:

C-4C

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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GRATING SCHEDULE	
MH DIA.	BEARING BAR
48" & 54"	1 1/4" x 1/8"
60", 66" & 72"	1 1/4" x 3/16"
78"	1 1/2" x 3/16"
84"	1 3/4" x 3/16
96"	2" x 3/16"

NOTE:

NO ONE PIECE OF GRATING TO BE LARGER THAN 2'x4'.

3 / C-4E GRATING PLAN
NOT TO SCALE

NOTE:
FASTEN GRATING TO SHELF ANGLE WITH GALVANIZED BOLTS AND STANDARD RETAINER CLIPS

4 / C-4E BOLTING DETAIL
NOT TO SCALE

TYPICAL TRENCH CROSS SECTION
NOT TO SCALE

REFERENCE SECTION X-2, "RECOMMENDATIONS FOR INCORPORATION INTO CONTRACT DOCUMENTS" OF ASTM SPECIFICATION D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS".

NOTES:

1. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH A FOUNDATION OF CLASS I OR II MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS," LATEST EDITION; AS AN ALTERNATIVE AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A WOVEN GEOTEXTILE FABRIC.

2. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I, II OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

   UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" FOR FOR 4"-24" AND 42"-48" CORRUGATED POLYETHYLENE PIPE (CPEP); 6" FOR 30"-36" CPEP.

3. HAUNCHING AND INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

4. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM TRENCH WIDTHS SHALL BE AS FOLLOWS:

NOMINAL Ø in	MIN. RECOMMENDED TRENCH WIDTH, in
4	21
6	23
8	25
10	28
12	31
15	34
18	39
24	48
30	66
36	78
42	83
48	89
60	102

5. MINIMUM COVER: MINIMUM RECOMMENDED DEPTHS OF COVER FOR VARIOUS LIVE LOADING CONDITIONS ARE SUMMARIZED IN THE FOLLOWING TABLE. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TAKEN FROM THE TOP OF PIPE TO THE GROUND SURFACE.

SURFACE LIVE LOADING CONDITION	MINIMUM RECOMMENDED COVER, in
H25 (FLEXIBLE PAVEMENT)	12*
H25 (RIGID PAVEMENT)	12

*TOP OF PIPE TO BOTTOM OF BITUMINOUS PAVEMENT SECTION

ON-SITE STORM DRAIN TRENCH INSTALLATION DETAIL
NOT TO SCALE

FLOW SPLITTER (FS-2) - PLAN VIEW
NOT TO SCALE

NOTES:

1. THE CONTRACTOR MUST VERIFY THE RELATIONSHIP BETWEEN THE INVERT OF THE FLOW-SPLITTER PIPE AND THE OVERFLOW PIPE PRIOR TO BACKFILLING AROUND STRUCTURE.
2. DISCREPANCIES IN ANY DIMENSIONS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE DESIGN ENGINEER.
3. THIS STRUCTURE CANNOT BE MODIFIED IN THE FIELD. IF CONTRACTOR INSTALLS AT INCORRECT INVERTS, THE STRUCTURE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
4. THE 1.89' DIMENSION BETWEEN THE FLOW SPLITTER PIPE AND OVERFLOW PIPE MUST BE CONSTRUCTED TO THIS EXACT DIMENSION. ANY VARIATION WILL REQUIRE THE STRUCTURE TO BE REMOVED AND REPLACED AT THE CONTRACTOR'S COST. MCDPS DOES NOT ALLOW MODIFICATIONS TO BE MADE TO THE STRUCTURE.

FLOW SPLITTER (FS-2) - SECTION E-E
NOT TO SCALE

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TECHNICAL REVIEW OF SEDIMENT CONTROL
REVIEWED DATE
TECHNICAL REVIEW OF STORMWATER MANAGEMENT
REVIEWED DATE
ADMINISTRATIVE REVIEW
REVIEWED DATE
SMALL LOT DRAINAGE APPROVAL
N/A: ☐ OR
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282941
SEDIMENT CONTROL PERMIT NO.

282525
SM. FILE NO.
STORMWATER MANAGEMENT:

CLIENT:

MONTGOMERY COUNTY
MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET
ROCKVILLE, MARYLAND 20850

PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES
IMPARTMENTS
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REGISTRATION:

NO.	DATE	ISSUE DESCRIPTION
	03.29.17	PERMIT SET
1	07.14.17	PERMIT REVISION #1
	08.03.17	BID SET
1	10.18.17	ADDENDUM 1

PROJECT NO:	GP #21618
DRAWN BY:	AMM
CHECKED BY:	JJB

MCDPS SHEET NO. 7 of 8

SHEET TITLE:

STORMDRAIN NOTES

SHEET NUMBER:

C-4E

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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NOTES:

1. STRIPING SHOULD END AT FACE OF CURB, U.N.O.
2. STRIPING MATERIAL AND METHODS OF CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST MUTCD EDITION AND SHA STDS. & SPECS.
3. (*) INSTALL "VAN ACCESSIBLE" SIGN ON 8'-0" WIDE SPACE, AS NOTED ON PLAN.
4. YELLOW PAINT MAY BE USED ON CONCRETE OR OTHER SURFACES WHERE WHITE PAINT DOES NOT PROVIDE SUFFICIENT CONTRAST. OWNER'S WRITTEN APPROVAL MUST BE OBTAINED.
5. ALL DIMENSION, LAYOUT, BACKGROUND AND COLOR TO CONFORM TO MOST CURRENT ADA GUIDELINES.
6. THE MAXIMUM SLOPE IN ANY DIRECTION ACROSS THE HANDICAP PARKING IS 2%.
7. FOR EXACT SIGN LOCATIONS AND EXACT LAYOUT OF SPACES, SEE SITE PLAN AND SIGNAGE PLAN.

1 / C-3C ACCESSIBLE PARKING STRIPING

NOT TO SCALE

PLACE SYMBOL AT CENTERLINE OF STALL, REFER TO PARKING STRIPING DETAIL THIS SHEET FOR DIMENSIONS.

2 / C-3C ACCESSIBLE SYMBOL LAYOUT

NOT TO SCALE

3 / C-3C CROSSWALK STRIPING PATTERN

NOT TO SCALE

NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT ADA REGULATIONS.
2. PLACE SIGN 12" BEHIND FACE OF CURB/TIMBER (TYP.)
3. SIGN FACES TO BE MECHANICALLY FASTENED TO ALLOW FOR MAINTENANCE AND REVISION.
4. POST TO MEET ASTM A499.
5. CONCRETE SHALL BE MSHA MIX NO. 2
6. SIGN POST TO FIT AS SLEEVE OVER TUBE SET IN CONCRETE AT JOBSITE.

4 / C-3C SIGN MOUNTING DETAIL

NOT TO SCALE

NOTES:

1. SHALL BE IN CONFORMANCE WITH MDOT-SHA STD. NO. MD-655.11.
2. REFER TO THE MARYLAND STATE HIGHWAY ADMINISTRATION SPECIFICATIONS FOR MATERIALS AND METHODS OF CONSTRUCTION.
3. EXPANSION JOINT MATERIAL SHALL BE 3/8 INCH PREFORMED CORK, TRIMMED, AND SEALED WITH NON-STAINING, TWO-COMPONENT POLYSULFIDE OR POLYURETHANE ELASTOMERIC TYPE SEALANT COMPLYING WITH FS TT-S-00227.
4. REFER TO MDOT-SHA STD. NO.'S MD-655.11, MD-655.12, AND MD-655.40 DETECTABLE WARNING SURFACE. DETECTABLE SURFACE SHALL BE "CAST IN PLACE EZ SET TILE™" BY DETECTABLE WARNING SYSTEMS, INC. OR APPROVED EQUAL. COLOR SHALL BE SAFETY YELLOW.
5. THERE SHALL BE A MAX. ELEVATION DIFFERENCE OF ¼" BETWEEN SURFACES PER ADA.
6. PROVIDE MDOT-SHA STD. NO. MD-655.40 WITH DETECTABLE WARNING SURFACE.

5 / C-3C ACCESSIBLE RAMP PERPENDICULAR

NOT TO SCALE

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CLIENT:

MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

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PROJECT:

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REGISTRATION:

NO.	DATE	ISSUE DESCRIPTION
	03.29.17	PERMIT SET
1	07.14.17	PERMIT REVISION #1
	08.03.17	BID SET
1	10.18.17	ADDENDUM 1

PROJECT NO:	GP #21618
DRAWN BY:	AMM
CHECKED BY:	JJB

SHEET TITLE:

1 **SITE DETAILS**

SHEET NUMBER:

C-3C

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PHASE 2.1A DIAGRAM
N.T.S.
1

PHASE 2.1B DIAGRAM
N.T.S.
2

PHASE 2.2 DIAGRAM
N.T.S.
3

PHASE 2.3 DIAGRAM
N.T.S.
4

PHASING NOTES

GENERAL PHASING NOTES APPLICABLE TO ALL DRAWINGS – ITEMS AND CONDITIONS DETAILED.

PHASE 1 - PRE CONSTRUCTION, SEE SPECIFICATIONS

PHASE 2 - NEW CONSTRUCTION - SEE DIAGRAMS ON THIS SHEET AND SPECIFICATIONS

PHASE 2.1A: INCLUDES SEDIMENT AND EROSION CONTROL WORK, RELOCATION OF PORTABLE CLASSROOMS, RELOCATION OF THE EMERGENCY GENERATOR AND RESURFACING OF BASKETBALL COURT.

INSTALLATION OF THE UNDERGROUND STORMWATER MANAGMENT FACILITY MUST BE COMPLETED AS QUICKLY AS POSSIBLE TO PROVIDE THE MAXIMUM PARKING AREA FOR BUILDING STAFF. THE DEMOLITION OF THE EXISTING PARKING LOT, EXCAVATION FOR THE STRUCTURE, PLACEMENT OF THE STRUCTURE ON BASE MATERIAL, TESTING OF THE STRUCTURE, BACKFILL AROUND THE STRUCTURE, STONE BASE MATERIAL FOR PARKING AND AT LEAST THE BASE ASPHALT SHALL BE COMPLETED OVER AN EXTENDED WEEKEND TO MINIMIZE DISRUPTION OF THE STAFF PARKING LOT. THE CONTRACTOR SHALL HAVE A TOTAL OF 96 CONSECTUTIVE HOURS (4 CALENDAR DAYS) TO CLOSE THE PARKING SPACES TO PERFORM THE WORK AND THEN REOPEN THE PARKING SPACES FOR USE BY STAFF. A NOISE ORDINANCE WAIVER WILL BE REQUIRED AND SHALL BE OBTAINED BY THE CONTRACTOR.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE ALL WORK SHOWN WITHIN THE PARKING LOT AREA PER THE BASE BID IN ORDER TO PROVIDE FIRE ACCESS TO THE PORTABLE BUILDINGS SO THAT USE AND OCCUPANCY CAN BE OBTAINED FOR THE PORTABLE BUILDINGS. USE AND OCCUPANCY MUST BE IN PLACE PRIOR TO BEGINNING WORK FOR THE BUILDING ADDITION EXPANSION. THE CONTRACTOR SHALL OBTAIN, AT A MINIMUM, A TEMPORARY USE AND OCCUPANCY FOR THE 2 PORTABLE CLASSROOMS SO THAT THEY CAN BE USED BY THE FACILITY AS SOON AS POSSIBLE, BUT NO LATER THAN 135 DAYS AFTER THE BEGINNING OF PHASE 2.1A.

1 ADD

PHASE 2.1B: CONSTRUCT KITCHEN ADDITION AND PATIO AND ASSOCIATED WALKWAYS. PROVIDE TEMPORARY PROTECTION BETWEEN NEW ADDITION AND EXISTING AREAS SUCH THAT EXISTING KITCHEN AND DINING AREAS CAN REMAIN FULLY OPERATIONAL.

PHASE 2.2: TRANSITION KITCHEN FUNCTIONS TO NEW KITCHEN. RENOVATE EXISTING KITCHEN, DINING AND NEW STAFF AREA. MAINTAIN ACCESS TO NEW KITCHEN.

PHASE 2.3A: RENOVATE MAJORITY OF DINING ROOM AS SHOWN (EXCEPT FOR PORTION WHERE ACCESS TO NEW KITCHEN IS TO BE MAINTAINED). INCLUDES ALL REMAINING ROOF WORK AND REMAINING SITE WORK.

PHASE 2.3B: RENOVATE REMAINING PORTION OF DINING ROOM WHEN PHASE 2.3A IS COMPLETE

GENERAL NOTES

1. THE PURPOSE OF THE PHASED CONSTRUCTION IS TO ELIMINATE DOWNTIME OF THE KITCHEN AND DINING AREA OF THE FACILITY DURING CONSTRUCTION. CONTRACTOR TO COORDINATE TO ELIMINATE ANY DOWN TIME OF THE TRANSITION FROM THE USE OF THE EXISTING KITCHEN AND DINING TO THE NEW KITCHEN AREA.
2. CONTRACTOR IS TO NOT PARK OR STORE EQUIPMENT ON EXISTING PARKING SPACES EXCEPT AS SHOWN ON THE CIVIL PLANS.
3. PHASING PLAN TO COORDINATE WITH THE APPROVED SEQUENCE OF CONSTRUCTION. SEE CIVIL DRAWINGS.
4. THE CONTRACTOR SHALL REFER TO THE NOTES ON THE WSSC PLANS REGARDING WORK WITHIN THE EXISTING WSSC EASEMENT AT THE NORTH SIDE OF THE PROPERTY. THERE ARE SPECIFIC LIMITATION ON CONSTRUCTION METHODS WITHIN THIS SPACE.

1 ADD

SCOPE OF WORK

THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO THE PRE RELEASE KITCHEN RENOVATION, NEW KITCHEN ADDITION AND RELATED SITE WORK ASSOCIATED WITH THE ADDITION AND RELOCATION OF SITE TRAILERS.

CLIENT:

MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET ROCKVILLE, MARYLAND 20850

PROJECT:

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CONSULTANT:

REGISTRATION:

ARCHITECTURAL REGISTRATION BOARD 8250-R RICHARD M. MORRISON STATE OF MARYLAND

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENCED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NUMBER 8250-R, EXPIRATION DATE: AUGUST 15, 2018.

NO.	DATE	ISSUE DESCRIPTION
	06.17.16	SD/DD SUBMISSION
	10.03.17	PERMIT SET
	10.03.17	BID SET

PROJECT NO:	GP #21618
DRAWN BY:	MM
CHECKED BY:	RM

KEY PLAN:

SHEET TITLE:

PHASING PLAN

SHEET NUMBER:

A-001

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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TOILET ACCESSORIES SCHEDULE

ITEM	ACCESSORY DESCRIPTION	BOBRICK	GEORGIA PACIFIC	BRADLEY	REMARKS
1	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE COMBO	B-3974	–	–	
2	TOILET TISSUE DISPENSER	–	58150	–	
3	GRAB BAR – 42"	B-6806	–	–	
4	GRAB BAR – 48"	B-6806	–	–	
5	MIRROR – FRAMED	B-165 2448	–	–	
6	SANITARY NAPKIN DISPOSAL	–	–	4791-15	WITH SHELF
7	SOAP DISPENSER	B-4112	–	–	

TOILET ROOM TYPICAL NOTES

1. DIMENSIONS INDICATED ARE FINISH GYP. BD. TO FINISH GYP. BD. OR FINISH MASONRY TO FINISH MASONRY. WHERE GRAB BARS ARE SCHEDULED FOR WALL ATTACHMENT IN STUD WALLS, PROVIDE SOLID 2X FIRE RETARDANT WOOD BLOCKING BETWEEN STUDS FOR ATTACHMENT.
2. NO SUBSTITUTIONS WILL BE PERMITTED FOR TOILET ACCESSORIES UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE OWNER'S MAINTENANCE DEPARTMENT.
3. ALL WALLS, BASE, AND FLOOR OF ALL SHOWER STALLS TO BE PORCELAIN TILE.
4. CONTRACTOR TO PREPARE FOR AND MOUNT SCHEDULED ACCESSORIES PER CURRENT ADAAG REQUIREMENTS.
5. INSULATE ALL EXPOSED PIPES

TOILET ROOM WEST WALL ELEVATION 4
1/2" = 1-0"

TOILET ROOM – NORTH WALL ELEVATION 5
1/2" = 1-0"

TOILET 108– EAST WALL ELEVATION 3
1/2" = 1-0"

TOILET 108– EAST WALL ELEVATION 2
1/2" = 1-0"

TOILET ROOM – ENLARGED PLAN 1
1/2" = 1-0"

CLIENT:

MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET ROCKVILLE, MARYLAND 20850

PROJECT:

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CONSULTANT:

REGISTRATION:

ARCHITECTURAL REGISTRATION BOARD 8250-R RICHARD M. MORRISON STATE OF MARYLAND

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENCED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NUMBER 8250-R, EXPIRATION DATE: AUGUST 15, 2018.

NO.	DATE	ISSUE DESCRIPTION
	06.17.16	SD/DD SUBMISSION
	10.03.17	PERMIT SET
	10.03.17	BID SET

PROJECT NO: GP #21618
DRAWN BY: MM
CHECKED BY: RM

KEY PLAN:

SHEET TITLE:

ENLARGED TOILET PLAN AND ELEVATIONS

SHEET NUMBER:

A-400

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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GENERAL DEMOLITION NOTES

01. ALL WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OR INDICATED AS DASHED LINES TO BE REMOVED. THE EXTENT OF DEMOLITION WORK SHALL INCLUDE ALL INCIDENTAL DEMOLITION WORK NECESSARY TO PROPERLY PROVIDE ALL NEW WORK SHOWN AND SPECIFIED, TO INCLUDE MECHANICAL, ELECTRICAL, & PLUMBING ITEMS.

02. DEMOLITION WORK SHOWN IS BASED ON EXISTING DRAWINGS AND INSPECTIONS. THE CONTRACTOR SHALL VISUALLY INSPECT ALL EXISTING CONDITIONS, AND IS RESPONSIBLE FOR PERFORMING THE INDICATED DEMOLITION WORK EVEN IF ACTUAL CONDITIONS DIFFER FROM THESE SHOWN ON THE DRAWINGS.

03. DEMOLITION CONTRACTOR SHALL COORDINATE WITH NEW WORK SECTIONS AND PHASING PLAN FOR ADDITIONAL INFORMATION RELATED TO EXTENT AND TIMING OF DEMOLITION.

04. REFER TO ALL OTHER DRAWINGS IN THIS SET FOR INCIDENTAL DEMOLITION WORK NOT NOTED ON THE DEMOLITION PLANS.

05. THE OWNER HAS FIRST RIGHT OF REFUSAL OF ALL SALVAGE ITEMS. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS. DO NOT STOCKPILE DEBRIS ON SITE. RECYCLE TO MAXIMUM EXTENT POSSIBLE.

06. ITEMS TO BE DEMOLISHED SHALL BE REMOVED COMPLETELY INCLUDING ALL ANCHORS, HANGERS, FASTENERS, PIPES, CONDUCTS, DUCTS, ETC. UNLESS OTHERWISE INDICATED TO BE ABANDONED IN PLACE.

07. CONC. SLAB PATCHES MUST BE FLUSH WITH REMAINING SURFACES TO PERMIT APPLICATION OF FINISHES. PROVIDE WELDED WIRE MESH IN PATCH AREAS LARGER THAT (4) FOUR SQUARE FEET.

08. CONC. SLABS TO REMAIN SHALL BE PATCHED, SCRAPED, LEVELED, AND CLEANED TO PROVIDE SURFACE SUITABLE FOR NEW FINISHES. WHERE RENOVATED AREAS ARE RECEIVING NEW UNDERGROUND MECHANICAL, PLUMBING, ELECTRICAL, OR ADDITIONAL FOUNDATION WORK, SEE MECHANICAL, PLUMBING, ELECTRIC, AND STRUCTURAL DRAWINGS, AS WELL AS ARCHITECTURAL DRAWINGS TO DETERMINE EXTENT OF REQUIRED CUT AND PATCH OF EXISTING SLAB. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CONC. SLAB DEMOLITION AND REPLACEMENT NECESSARY TO INSTALL THE NEW WORK. BACKFILL ALL BELOW GRADE DEMOLITION WORK WITH SUITABLE FILL MEETING STRUCTURAL REQUIREMENTS FOR NEW WORK.

09. PARTITIONS SHOWN TO BE REMOVED SHALL BE CONFIRMED BY THE CONTRACTOR AS TO TYPE OF PARTITION AND EXACT LOCATION. COMPLETELY REMOVE PARTITIONS FROM FLOOR TO STRUCTURE ABOVE INCLUDING BASE, ALL FASTENERS, GROUTS, SEALANTS, ETC., UNLESS NOTED OTHERWISE. MASONRY PARTITIONS WHICH EXTEND THROUGH THE SLAB SHALL BE REMOVED TO 8" BELOW FINISH FLOOR. FILL SLAB OPENING WITH CONCRETE FILL TO RECEIVE FINISH FLOOR. WHERE WALLS SCHEDULED TO BE REMOVED SIT ON SLABS, GRIND SLAB TO RECEIVE FINISH FLOOR.

10. REMOVE, PATCH AND REPAIR PORTIONS OF WALL PARTITIONS WHICH CONFLICT WITH NEW WORK TO BE INSTALLED, EVEN IF NOT SPECIFICALLY NOTED TO BE DEMOLISHED ON PLANS.

11. WALLS TO BE REMOVED FROM INTERSECTING WALLS SHALL INCLUDE TOOTHED IN REPLACEMENT OF DAMAGED MASONRY ON WALL TO REMAIN AND REMOVAL OF TIES PROJECTING FROM WALLS.

12. WALLS TO BE PARTIALLY REMOVED SHALL BE TERMINATED WITH FINISHED MASONRY ENDS BY TOOTHING IN NEW MASONRY UNITS, TO MATCH ADJACENT MASONRY. SEE DETAILS FOR OTHER CONDITIONS. NO WALLS SHALL BE TERMINATED WITH EXPOSED OPEN CELLS OR DAMAGED MASONRY UNITS.

13. WHERE NEW OPENINGS ARE SHOWN IN EXISTING WALLS, CAREFULLY REMOVE MASONRY TO NEAREST JOINT LINE WITHOUT DISTURBING ADJACENT WORK SO THAT NEW WORK CAN BE PATCHED IN TO MATCH. ALL NEW MASONRY WORK SHALL BE TOOTHED IN.

14. ALL EXISTING STRUCTURE SHALL REMAIN, UNLESS NOTED OTHERWISE.

15. COORDINATE DEMOLITION OF ALL STRUCTURAL ITEMS (COLUMNS, BEAMS, SLABS, ETC.) WITH STRUCTURAL DWGS. EXTENT OF DEMOLITION AREA SHALL BE IN ACCORDANCE WITH STRUCTURAL REQUIREMENTS AND COORDINATED WITH ALL NEW WORK.

16. TEMPORARILY SUPPORT ALL BEAMS, LINTELS, PORTIONS OF WALLS ETC., TO BE DISTURBED BY DEMOLITION WORK, UNTIL THEY ARE RE-SUPPORTED BY NEW WORK.

17. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF EXISTING BUILDING ELEMENTS TO REMAIN THROUGHOUT SEQUENCE OF WORK. ANY DAMAGE TO EXISTING BUILDING CONDITIONS SHOWN TO REMAIN SHALL BE RESTORED TO NEW WORK CONDITION AT NO ADDITIONAL COST TO THE OWNER.

18. WINDOWS SCHEDULED FOR REMOVAL SHALL BE REMOVED COMPLETELY. FASTENERS MAY BE CUT FLUSH WITH HEAD, JAMBS, AND SILLS IF THE NEW WINDOW UNIT WILL CONCEAL FASTENER. PROTECT EXISTING SILLS SCHEDULED TO REMAIN. ALL EXISTING WINDOW OPENINGS MUST BE FIELD MEASURED PRIOR TO SUBMITTAL OF SHOP DRAWINGS.

19. WERE FINISHES ARE INDICATED TO BE REMOVED, REMOVAL SHALL INCLUDE ANY GROUT, ADHESIVES, FASTENERS, AND ALL OTHER ITEMS USED TO ATTACH THE FINISHES TO THE SURFACES THAT THEY COVER.

20. ANY FLOOR AREAS DAMAGED BY THE DEMOLITION CONTRACTOR SHALL BE PATCHED TO MATCH EXISTING.

21. WHERE CEILINGS ARE TO BE REMOVED, REMOVE ALL CEILINGS SYSTEMS COMPLETE INCLUDING GRID, TRIM HANGER, CLIPS, ETC. WHERE NEW CEILINGS ARE SPECIFIED, NO DOUBLE CEILINGS PERMITTED. REMOVE ALL ORIGINAL CONCEALED CEILINGS WHERE ENCOUNTERED.

22. ALL EXISTING SURFACES TO REMAIN SHALL BE PROTECTED, PATCHED IF DAMAGED AND CLEANED PRIOR TO APPLICATION OF FINISHES.

23. CONTRACTOR TO PROTECT ALL EQUIPMENT AND OTHER ELEMENTS IN AREA OF NEW OR DEMOLITION WORK.

24. DEMO ALL BLINDS IN AREAS OF RENOVATION OR DEMOLITION, UNLESS NOTED OTHERWISE.

25. DEMO MECHANICAL, ELECTRICAL AND PLUMBING ITEMS. COORDINATE WITH CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING, FOR ADDITIONAL DEMOLITION RELATED TO NEW WORK. DEMO WORK IS INTENDED TO INCLUDE ALL ASSOCIATED ITEMS SUCH AS ELECTRICAL OUTLETS, SWITCHES, CONDUITS, CONTROLS, PIPING, MOUNTING BLOCKS, ETC., AS NOTED. THE CONTRACTOR SHALL REFER TO ALL CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR PROCEDURES CONCERNING RELATED TRADES IN AREAS WHICH REQUIRE DEMOLITION. REPAIR AND PATCH ANY AREAS DAMAGED DURING REMOVAL WORK.

25. DEMOLITION PLANS ARE ONLY GENERAL AND DIAGRAMMATIC IN NATURE. NOT ALL DEMOLITION WORK REQUIRED TO COMPLETE NEW WORK IS SHOWN. HOWEVER, THE CONTRACTOR SHALL CAREFULLY REVIEW ALL THE DRAWINGS PRIOR TO BIDDING AND INCLUDE IN THEIR BID ALL DEMOLITION REQUIRED IN ORDER TO COMPLETE ALL NEW WORK AS INDICATED IN THE CONTRACT DOCUMENTS

1 ADD

DEMOLITION KEY NOTES

1. REMOVE DOOR AND FRAME. 1 ADD
2. REMOVE EXTISTING FULL HEIGHT STOREFRONT FRAME WINDOW AND GLASS.
3. REMOVE WALLS AS INDICATED. PATCH AND REPAIR FLOOR AND PATCH AND REPAIR WALLS AT ALL SURFACES AND INTERSECTIONS OF EXISTING WALLS AND FLOORS TO REMAIN. IN EXISTING ARTIST STUDIOS, REMOVE ALL LOW WALLS WITHIN THE AREA SHOWN.
4. REMOVE EXISTING CEILING IN THIS SPACE INCLUDING LIGHT FIXTURES AND DIFFUSERS. LIGHT FIXTURES SHOULD BE REMOVED IN GOOD WORKING ORDER. OWNER HAS FIRST RIGHT OF REFUSAL OF ALL LIGHT FIXTURES.
5. REMOVE GYPSUM CEILING IN THIS SPACE.
6. REMOVE ALL EXISTING KITCHEN EQUIPMENT IN THIS AREA. REFER TO MEP DEMOLITION DRAWINGS FOR EXTENT OF EXISTING MEP TO BE REMOVED.
7. REMOVE EXSITING VCT AND ADHESIVE IN THIS AREA
8. WORK IN THIS AREA IS LIMITED TO DUCTOWRK AND MINOR M,E,P PIPING AND CONDUIT IN CEILING SPACES. CEILING TO BE EXISTING TO REMAIN.
9. TAG ALL WALL MOUNTED TACKBOARDS, MARKERBOARDS, BULLENTIN BOARD, ARTWORK AND CLOCKS. MEASURE AND DOCUMENT LOCATION ABOVE FINISHED FLOOR AND LOCATION FROM SIDE WALLS. CAREFULLY REMOVE AND STORE ITEM TO BE REINSTALLED IN SAME LOCATION AFTER INTERIOR RENOVATION IS COMPLETE.
10. REMOVE EXISTING ROOFING MATERIALS AND INSULATION DOWN TO EXSITING ROOF DECK THIS AREA. ROOF DECK TO REMAIN.
11. NOT USED 1 ADD
12. REMOVE EXISTING ROOF COPING AND GRAVEL STOP IN THIS AREA AND PREPARE FOR NEW COPING OR METAL EDGE

DEMOLITION LEGEND

- DEMO WALL, PATCH AND REPAIR AS REQUIRED TO COMPLETE NEW WORK.
- DEMO DOOR AND FRAME. PREPARE SURFACE AS REQUIRED TO COMPLETE NEW WORK. IN SOME LOCATIONS ONLY. DOORS ARE BEING REMOVED. SEE DOOR SCHEDULE FOR LOCATIONS.
- EXISTING WALL
- DEMO WINDOW. REF. NEW WORK DRAWINGS

DEMOLITION ROOF PLAN (E7)
1/8" = 1-0"

DEMOLITION PLAN (A7)
1/8" = 1-0"

PHASED DEMOLITION

REFER TO SHEET A-001 FOR GENERAL PHASING NOTES APPLICABLE TO ALL DRAWINGS – ITEMS AND CONDITIONS DETAILED.

PHASE 3 - EXISTING INTERIOR DINING RENOVATION

FACILITY TO REMAIN OPERATIONAL DURING CONSTRUCTION.

1. MULTIPLE SUB PHASES FOR OCCUPIED CONSTRUCTION TBD.

REFER TO SHEET A-001 FOR GENERAL PHASING NOTES APPLICABLE TO ALL DRAWINGS – ITEMS AND CONDITIONS DETAILED.

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FACILITY TO REMAIN OPERATIONAL DURING CONSTRUCTION.

1. MULTIPLE SUB PHASES FOR OCCUPIED CONSTRUCTION TBD.

CLIENT:

MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET ROCKVILLE, MARYLAND 20850

PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES IMPARTMENTS
11651 NEBEL STREET
ROCKVILLE, MD 20852

ARCHITECT:

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	10.03.17	BID SET

PROJECT NO:	GP #21618
DRAWN BY:	MM
CHECKED BY:	RM

KEY PLAN:

SHEET TITLE:

DEMOLITION PLAN

SHEET NUMBER:

AD-101

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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TYP. ROOM SIGN
1/2"=1'-0"
TYPICAL OF ALL SIGN TYPES 1-6
H15

TYP. COUNTER DETAIL
3/4"=1'-0"
K8

FURN. AND EQUIP. NOTES

NOTES APPLY TO ALL FURNISHING SHEETS.

1. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
2. MILLWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT. ALL WORK IS TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
3. KEY:
   MB – DENOTES MARKERBOARD
   TB – DENOTES TACKBOARD
   PS – DENOTES PROJECTION SCREEN
5. PROVIDE 2 COAT RACK UNITS AT EACH LOCATION NOTED ON DRAWINGS. MOUNT ONE AT 47" AFF AND THE OTHER AT 72" AFF.
6. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS.
7. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
8. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS OTHERWISE NOTED.
9. MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES ONLY. SEE SPECIFICATION FOR FULL CASEWORK REQUIREMENTS.
10. PROVIDE RESILIENT BASE FOR ALL CASEWORK THAT MEETS THE FLOOR ON FRONT AND EXPOSED SIDES AND BACK.
11. DOTTED LINES INDICATE WALL HUNG CABINETS, FURNITURE NOT IN THE CONTRACT OR PROJECTJON SCREENS –SEE CASEWORK KEY AND SPECIFICATIONS.
12. ALL EXPOSED CABINET SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH LAMINATE, UNLESS NOTED OTHERWISE. SEE DRAWINGS FOR COUNTERTOP MATERIAL.
13. ALL CASEWORK WHICH MEETS A WALL AT ONE OR BOTH ENDS, TO BE PROVIDED WITH FILLER PANELS AND SCRIBED TO THE WALL(S) AS REQUIRED.
14. NO BUTT JOINTS ALLOWED, ALL CONNECTIONS TO BE DADOED, CONTINUOUS SPLINE, TENONED OR BISCUIT JOINED.
15. ALL MARKER BOARDS AND TACK BOARDS TO BE CENTERED ON WALL UNLESS OTHERWISE NOTED. COORDINATE WITH INTERIOR ELEVATIONS.
16. ALL COUNTERTOP CORNERS SHALL BE 1/2" RADIUSED UNLESS OTHERWISE NOTED.
17. RECESSED INSTALLATION. PROVIDE LOCK AND FACTORY-INSTALLED VENTILATION GRILL. PROVIDE GROMMETS IN BACK AND BOTTOM OF CABINET. PROVIDE BLOCKING TO SECURE CABINET IN CMU CHASE.
18. PROVIDE ADEQUATE BLOCKING IN STUD WALLS AND AT CMU WALLS FOR WALL-MOUNTED EQUIPMENT AND FURNISHINGS.

SIGN TYPE 4
3"=1'-0"
A17

FINAL TEXT TO BE PROVIDED BY OWNER

SIGN TYPE 3
3"=1'-0"
A17

FINAL TEXT TO BE PROVIDED AND APPROVED BY OWNER

SIGN TYPE 1
3"=1'-0"
A17

SIGN TYPE 2
3"=1'-0"
A15

NOTE:
1. PROVIDE ONE TYPE ONE SIGN FOR EVERY DOOR OPENING, UNO. FINAL NUMBERING AND LETTERING TO BE APPROVED BY THE END USER.

FURNITURE PLAN
1/8" = 1-0"
1

CLIENT:

MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET
ROCKVILLE, MARYLAND 20850

PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES IMPARTMENTS
11651 NEBEL STREET
ROCKVILLE, MD 20852

ARCHITECT:

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PROJECT NO:	GP #21618
DRAWN BY:	MM
CHECKED BY:	RM

KEY PLAN:

SHEET TITLE:

FURNITURE AND SIGNAGE PLAN

SHEET NUMBER:

IF-101

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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MECHANICAL ROOF PLAN – DEMOLITION

SCALE: 1/4" = 1'-0"

DRAWING NOTES:

1. REMOVE EXISTING KITCHEN MAKE-UP AIR UNIT, ASSOCIATED DUCTWORK, CONTROLS, ELECTRICAL CONNECTIONS, SUPPORTS, ETC. IN ITS ENTIRETY.
2. REMOVE EXISTING S/A DUCTWORK, SUPPORTS, ETC. IN ITS ENTIRETY.
3. REMOVE EXISTING ELECTRIC DUCT MOUNTED HEAT COIL, ASSOCIATED ELECTRICAL CONNECTIONS, SUPPORTS, ETC. IN ITS ENTIRETY.
4. REMOVE EXISTING S/A DUCTWORK DN TO KITCHEN. REFER TO DRAWING M-101 FOR CONTINUATION.
5. REMOVE EXISTING CONDENSING UNIT, ASSOCIATED REFRIGERANT PIPING, SUPPORTS, ETC. IN ITS ENTIRETY. CAPTURE AND DISPOSE OF ALL REFRIGERANT IN ACCORDANCE WITH THE LATEST EPA REQUIREMENTS, STATE OF MARYLAND AND AUTHORITIES HAVING JURISDICTION.
6. REMOVE EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, CONTROLS, ELECTRICAL CONNECTIONS, SUPPORTS, ETC. IN ITS ENTIRETY.
7. REMOVE EXISTING E/A DUCTWORK, SUPPORTS, ETC. IN ITS ENTIRETY.
8. REMOVE EXISTING E/A DUCTWORK DN TO KITCHEN HOOD. REFER TO DRAWING M-101 FOR CONTINUATION.
9. REMOVE EXISTING O/A INTAKE, SUPPORT CURB, ETC. IN ITS ENTIRETY. REMOVE EXISTING O/A DUCTWORK, CAP BELOW ROOF DECK AND ABANDON IN PLACE.

1

10. NOT USED
11. NOT USED

1

DIGITAL PHOTO-A

SCALE: NONE

1

SCALE: 1/4" = 1'-0"

4 0 4 8

CLIENT:

MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET
ROCKVILLE, MARYLAND 20850

PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES IMPARTMENTS - PHASE 3

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-	12.05.16	PROGRESS SET
-	12.23.16	PROGRESS SET
-	03.03.17	PROGRESS SET
-	03.29.17	PERMIT SET
-	07.12.17	PERMIT COMMENTS
-	10.03.17	BID SET
1	10.18.17	ADDENDUM No. 1

PROJECT NO:	GP #21618
DRAWN BY:	TMF
CHECKED BY:	NDC

KEY PLAN:

N

SHEET TITLE:

MECHANICAL ROOF PLAN DEMOLITION

SHEET NUMBER:

M-102

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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SECTION VIEW

PLAN VIEW

GENERAL NOTES:

1. CONCRETE STRENGTH = 5000 PSI @ 28 DAYS. DENSITY = 150 PCF.
2. CEMENT – PORTLAND TYPE I/II PER ASTM C 150–92.
3. ADMIXTURES AND PLASTICIZERS PER ASTM C 260–86 AND C 494–92.
4. REINFORCING PER ASTM A615, GRADE 60, DOMESTIC. MIN. 1½" COVER. WALLS, BASE AND TOP SLAB DESIGNED FOR HS–20 (SHA) LOADING.
5. TOP SLAB SEALED WITH BUTYL ROPE MASTIC.
6. 6" OF BEDDING/BACKFILL, ALL SIDE SHALL BE MD#6 OR SMALLER. MAXIMUM 5'–0 OF EARTH COVER OVER TOP SLAB.
7. MANHOLE COVERS SHALL HAVE THE WORD 'INTERCEPTOR' CAST IN.
8. BAFFLES SHALL BE 16 GA. OR HEAVIER, TYPE 302 OR 304 SS.

1600 GALLON WSSC COMPLIANT GREASE INTERCEPTOR DETAIL

SCALE: NONE

1

PLUMBING SITE PLAN

SCALE: 1" = 10'–0"

SCALE: 1" = 10'–0"

10 0 10 20

CLIENT:

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DEPARTMENT OF GENERAL SERVICES
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PROJECT NO:	GP #21618
DRAWN BY:	TMF
CHECKED BY:	NDC

KEY PLAN:

N

SHEET TITLE:

PLUMBING SITE PLAN

SHEET NUMBER:

P-002

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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PLUMBING FLOOR PLAN – DEMOLITION

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. WHERE EXISTING PIPING IS INDICATED TO BE REMOVED, REMOVE PIPING AND ALL ASSOCIATED APPURTENANCES IN THEIR ENTIRETY. CONTRACTOR SHALL USE CAUTION WHEN REMOVING PIPING BELOW SLAB TO ENSURE THERE ARE NO CONFLICTS WITH EXISTING STRUCTURAL FOOTERS, ELECTRICAL AND PLUMBING PIPING TO REMAIN.

2. WHERE FLOOR SLABS ARE NOT INDICATED TO BE REMOVED, SAWCUT SLAB AS NECESSARY TO ACCESS AND PLUG EXISTING UNDERSLAB SANITARY PIPING TO BE EXISTING TO REMAIN/ABANDONED IN PLACE. DEAD ENDS IN ACTIVE SYSTEMS SHALL NOT BE CREATED IN THE WASTE SYSTEM OR VENT SYSTEM DUE TO THE REMOVAL OR ABANDONMENT OF PLUMBING FIXTURES. INFILL EXISTING SLAB WITH MATERIALS TO MATCH EXISTING.

DRAWING NOTES:

1. REMOVE EXISTING FLOOR DRAIN IN ITS ENTIRETY. PLUG SANITARY AND CAP TRAP PRIMING CONNECTIONS BELOW SLAB.
2. REMOVE EXISTING PIPING TO POINT OF CONCEALMENT, CAP AND ABANDON WITHIN WALL. INFILL WALL WITH MATERIALS TO MATCH EXISTING.
3. REMOVE EXISTING PIPING TO POINT OF CONCEALMENT, CAP AND ABANDON WITHIN FLOOR SLAB. INFILL WITH MATERIALS TO MATCH EXISTING.
4. EXISTING VENT PIPING IN EXISTING WALL TO REMAIN SHALL BE CAPPED AT POINT OF CONCEALMENT. CAP VENT PIPING AT ROOF DECK AND ABANDON IN PLACE.
5. REMOVE EXISTING DOMESTIC WATER PIPING DN TO MECHANICAL ROOM. REFER TO DRAWING P-301 FOR CONTINUATION. PATCH FLOOR.
6. EXISTING SPRINKLER HEAD. CONTRACTOR SHALL ADD/RELOCATE SPRINKLER HEAD AND PROVIDE NEW LAYOUT AS REQUIRED TO ACCOMMODATE NEW ARCHITECTURAL REFLECTED CEILING PLAN AND CONFORM TO NFPA STANDARDS.
7. REMOVE EXISTING WATER PIPING, ASSOCIATED INSULATION, VALVES, HANGERS/SUPPORTS, ETC. IN ITS ENTIRETY.
8. REMOVE EXISTING 3" SW UP TO ROOF DRAIN. REMOVE ASSOCIATED PIPING, INSULATION, HANGERS/SUPPORTS, ETC. IN ITS ENTIRETY. REFER TO DRAWING P-102 FOR CONTINUATION.
9. EXISTING 1¼" HWR, 3" HW & 3" CW DN.
10. REMOVE EXISTING VENT PIPING IN ITS ENTIRETY. CAP AND ABANDON PIPING AT POINT OF CONCEALMENT BELOW SLAB. INFILL WITH MATERIALS TO MATCH EXISTING.
11. REMOVE EXISTING 3" SW PIPING DN TO MECHANICAL ROOM. REFER TO DRAWING P-301 FOR CONTINUATION.
12. REMOVE EXISTING 3" SW PIPING TO POINT OF CONCEALMENT IN VERTICAL WITHIN JANITOR CLOSET. PREPARE PIPING FOR CONNECTION UNDER NEW WORK PHASE.

1. 13. REMOVE EXISTING GREASE INTERCEPTOR, ASSOCIATED PIPING, SITE CLEANOUTS AND MANHOLES IN ITS ENTIRETY. PUMP EXISTING GREASE INTERCEPTOR PRIOR TO REMOVAL IN ACCORDANCE TO WSSC REQUIREMENTS.

SCALE: 1/4" = 1'-0"

CLIENT:

MONTGOMERY COUNTY
MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET
ROCKVILLE, MARYLAND 20850

PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES
IMPARTMENTS - PHASE 3

11651 NEBEL STREET
ROCKVILLE, MD 20852

ARCHITECT:

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-	03.29.17	PERMIT SET
-	07.12.17	PERMIT COMMENTS
-	10.03.17	BID SET
1	10.18.17	ADDENDUM No. 1

PROJECT NO:	GP #21618
DRAWN BY:	TMF
CHECKED BY:	NDC

KEY PLAN:

SHEET TITLE:

PLUMBING
FLOOR PLAN
DEMOLITION

SHEET NUMBER:

P-101

©GRIMM AND PARKER, P.C. 2014

Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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DRAWING NOTES:

1. GREASE WASTE PIPING. REFER TO DRAWING P–002 FOR CONTINUATION AND LOCATION OF GREASE INTERCEPTOR.
2. UNDERGROUND DOMESTIC WATER PIPING TO FIXTURE IN 3" PVC CONDUIT w/ LONG SWEEPING ELBOWS. PIPING SHALL BE SOFT COPPER TUBING TYPE 'L' w/ 1" ARMAFLEX INSULATION.
3. 3" STORM WATER UP AND DN. REFER TO DRAWINGS P–201 & P–301 FOR CONTINUATION.
4. EXISTING 3" STORM WATER UP AND DN UNDER SLAB. REFER TO DRAWING P–201 FOR CONTINUATION.
5. EXISTING 3" STORM WATER UNDER SLAB. REFER TO DRAWING P–301 FOR CONTINUATION INTO MECHANICAL ROOM.
6. 3" STORM WATER UP AND DN. REFER TO DRAWINGS P–201 & P–301 FOR CONTINUATION.
7. 3" STORM WATER UP. REFER TO DRAWING P–202 FOR CONTINUATION.
8. 6" STORM WATER PIPING. INV ELEV 331.80'±. REFER TO CIVIL DRAWINGS FOR CONTINUATION.
9. 4" SANITARY UP TO NEW CLEANOUT AT GRADE.
10. 2½" CW; 2" HW & ¾" HWR UP & DN.

PLUMBING FOUNDATION PLAN – NEW WORK

SCALE: 1/4" = 1'–0"

(F.F. ELEVATION 335.50')

SCALE: 1/4" = 1'–0"

CLIENT:

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DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

101 MONROE STREET
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PROJECT:

PRE-RELEASE CENTER DIETARY FACULTIES IMPARTMENTS - PHASE 3

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-	10.03.17	BID SET
1	10.18.17	ADDENDUM No. 1

PROJECT NO: GP #21618
DRAWN BY: TMF
CHECKED BY: NDC

KEY PLAN:

SHEET TITLE:

PLUMBING FOUNDATION PLAN NEW WORK

SHEET NUMBER:

P-201

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Original Drawing is 30" x 42". Scale entities accordingly if reduced.

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DRAWING NOTES:

1. EXISTING SPRINKLER HEAD. CONTRACTOR SHALL ADD/RELOCATE SPRINKLER HEAD AND PROVIDE NEW LAYOUT AS REQUIRED TO ACCOMMODATE NEW ARCHITECTURAL REFLECTED CEILING PLAN AND CONFORM TO NFPA STANDARDS.

FIRE PROTECTION FLOOR PLAN – NEW WORK

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

CLIENT:

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DEPARTMENT OF GENERAL SERVICES
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PROJECT:

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1	10.18.17	ADDENDUM No. 1

PROJECT NO:	GP #21618
DRAWN BY:	TMF
CHECKED BY:	NDC

KEY PLAN:

SHEET TITLE:

FIRE PROTECTION FLOOR PLAN NEW WORK

SHEET NUMBER:

FP-201

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NOTE:
FOR INTERIOR FRAME PARTITIONS–PIPE SLEEVES MAY BE FABRICATED FROM GALVANIZED SHEET METAL; ROUND TUBE CLOSED WITH SNAPLOCK JOINT, WELDED SPIRAL SEAMS, OR WELDED LONGITUDINAL JOINT. FABRICATE FROM THE FOLLOWING GAUGES: 3" AND SMALLER, 20 GAUGE; 4" TO 6", 16 GAUGE; OVER 6", 14 GAUGE.

1 TYPICAL PIPE SLEEVE THROUGH INTERIOR WALL DETAIL

SCALE: NONE

CLEVIS HANGER
WITHOUT INSULATION

NOTE:
DO NOT FASTEN HANGER/SUPPORT FROM BOTTOM CORD OF JOIST/BEAM

2 TYPICAL PIPE SUPPORT DETAIL

SCALE: NONE

3 FIRE SERVICE SYSTEM DETAIL

SCALE: NONE

DETAIL LEGEND:

- (A) VERTICAL ALARM CHECK VALVE SIZED IN ACCORDANCE WITH HYDRAULIC CALCULATIONS FOR FLOWS OF ZONE COVERAGE
- (B) ALARM TEST AND SHUT OFF VALVES (LOCKING HANDLE)
- (C) RESTRICTION OFFICE
- (D) SWING CHECK VALVE
- (E) PADDLE TYPE FLOW SWITCH
- (F) PRESSURE GAUGE WITH NEEDLE VALVE & SNUBBER
- (G) O,S&Y GATE VALVE WITH TAMPER SWITCH
- (H) ELECTRIC PRESSURE SWITCH WIRED TO ANNUNCIATOR SYSTEM (ALARM CONDITION)
- (I) RETARDING CHAMBER WITH 60 SECOND DELAY

DETAIL NOTES:

1. INSTALL DEVICES PER MANUFACTURERS STANDARD RECOMMENDATIONS AND IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS.
2. COORDINATE WITH DIVISION 16000 AND BUILDING EMS.

4 SPRINKLER ALARM VALVE ASSEMBLY DETAIL

SCALE: NONE

5 NOT USED

SCALE: NONE

6 NOT USED

SCALE: NONE

7 NOT USED

SCALE: NONE

8 NOT USED

SCALE: NONE

9 NOT USED

SCALE: NONE

10 NOT USED

SCALE: NONE

11 NOT USED

SCALE: NONE

12 NOT USED

SCALE: NONE

CLIENT:

MONTGOMERY COUNTY MARYLAND

DEPARTMENT OF GENERAL SERVICES
OFFICE OF PLANNING & DEVELOPMENT

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PROJECT:

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1	10.18.17	ADDENDUM No. 1

PROJECT NO:	GP #21618
DRAWN BY:	TMF
CHECKED BY:	NDC

KEY PLAN:

N

SHEET TITLE:

FIRE PROTECTION DETAILS

SHEET NUMBER:

FP-700

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DRAWING NOTES:

1. ALL WORK IN THIS AREA IS EXISTING TO REMAIN.
2. PROVIDE 1P20A BREAKER IN EXISTING PANEL OLP. EXTEND 2#12,1#12GW IN 3/4"C. AND CONNECT TO BREAKER.

DINING FLOOR PLAN – POWER AND SPECIAL SYSTEMS

SCALE: 1/8" = 1'-0"

ROOF PART PLAN – POWER

SCALE: 1/8" = 1'-0"

BASEMENT FLOOR PLAN – POWER

SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

SCALE: 1/8" = 1'-0"

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1	10.18.17	ADDENDUM No. 1

PROJECT NO:	GP #21618
DRAWN BY:	JLP
CHECKED BY:	EMP

KEY PLAN:

SHEET TITLE:

FLOOR PLANS POWER AND SPECIAL SYSTEMS

SHEET NUMBER:

E-201

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