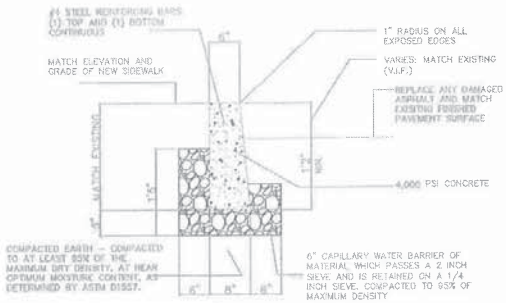
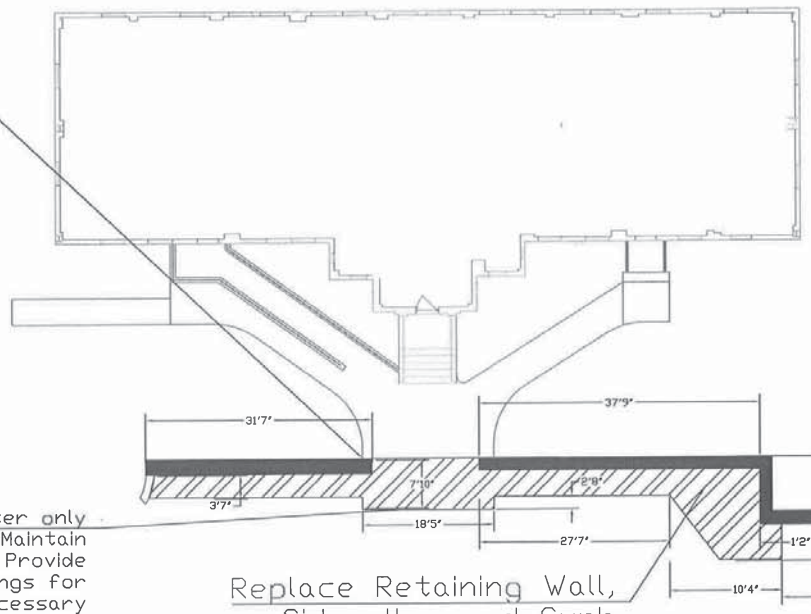


NOTE: PROVIDE EXPANSION JOINT
1. AT 10'-0" MAX O.C.
2. AT CENTER POINT OF ALL RADII 5' AND OVER
3. WITHIN 2' OF CHANGES OF DIRECTIONS WHERE NO RADIUS IS USED

1 NEW CONCRETE CURB DETAIL

Remove all large plants that may obstruct work and replant to another location, location to be determined by in-house grounds department.



Taper Sidewalk at center only into Asphalt Road. Maintain all parking spaces. Provide new pavement markings for parking spaces as necessary if damaged during installation

Replace Retaining Wall, Sidewalks, and Curb In front of Bldg.

Contractor will furnish all labor, tools, materials, equipment and supervision to complete the following:

1) Replace retaining wall,curbs and sidewalks in highlighted areain front of Bldg. 16 main entrance only by retaining wall as highlighted in drawings. All portions that connect to retaining wall to be replaced. Approximately 72' linear ft of curbs with 4' linear ft wide sidewalks. Refer to details on D-2.

2) Existing concrete sidewalk to be saw cut and removed in its entirety. Excavate area as required to suit new concrete sidewalk and gravel base.

3) Excavate dirt, road, etc as necessary to install retaining wall, sidewalks and curbs.

4) Compact earth to at least 95% of the maximum dry density, at near optimum moisture content as determined by ASTM D1557.

5) Contractor will locate and take care during construction as not to damage existing structures, existing sidewalks, etc adjacent to existing concrete sidewalks and curbs to be replaced. Any damage shall be repaired or replaced at no cost of VA.

6) Curb to be 6" wide and height above finished grade varies to match grade of sidewalks. Curb to extend below finished grade 1' 2" and have 5" of compacted stone below curb. Curb bed to be 20" wide. Refer to detail 1 on D-1.

7) New concrete sidewalk shall match pitch, slope and level of existing sidewalk.

8) All concrete for sidewalks and curbs to be 4000 PSI.

9) Width and length of new sidewalk to match existing.

10) Provide new ½" expansion joints between new curbs, new sidewalks, walls, stairs and other structures at 20'-0" O.C maximum. Refer to detail D-2.

11) Transition sidewalk into asphalt road with no lips to be perfectly leveled with road.

12) Provide tooled scored joint ¼" wide by 1" deep in a 5'-0" x 5'-0" scoring pattern.

13) Form new concrete around existing wall.

14) All new sidewalks to have fine stiff broom finish in a perpendicular (transverse) direction to direction of traffic.

15) Provide ½" X ¼" sealant caulk for all new expansion joints. Sealant caulk to match color of concrete.

16) Replace damaged asphalt road that had to be removed by replacing curbs. Replace with new hot asphalt. Level new asphalt with existing asphalt road.

17) Install new retaining wall approximately 72' long in total. Replace in exact location as existing wall. Height at lowest elevation on slope to start at 6' high from grade level. Adjust height of wall from grade level as slope increases to maintain leveled top elevation height throughout the entire 72'. Depth of wall to be 1' 6". Refer to details on D-2.

18) Concrete for retaining wall to be 4000 PSI and have a red brick die color to match exterior color of Bldg.16.

19) Provide decorative masonry peaked cast stone cap for the entire 72' length of the wall. Cap to have overlapping edges to extend over wall on both sides. Color to be determined by VAin submittals. Refer to details on D-2.

20) Provide mortar between caps, corner piece and end pieces for finished ends. Length of pieces to be 24" long and wide enough to fit over 18". Cut all pieces as necessary for a continuous leveled finish between caps to fit field conditions.

21) All terminations of walls to have finished end pieces. No exposure of mortar or cut pieces is acceptable.

22) Provide Aggrebrick finish form for back and front of retaining walls (entire length and height). 3/8" relief, 3/8" vertical joint, 0.417" horizontal mortar joint and the brick is 2 ¼" X 7 5/8" brick. (www.specformliners.com shows an example)

23) Install weep poles below grade level to drain water from dirt. Holes to be 2 ½" diameter at 5' O.C. Provide 24" long x 12" wide area of gravel wrapped in filter fabric at each weep pole.

24) Dig foundation 48" below grade level. Retaining wall footing to be placed 42" below with 6" compacted gravel underneath footing to fill the 48" foundation.

25) Footing to be T-TYPE footing.

26) Install grooved epoxy coated # 5 rebar vertically from top of wall to bottom every 12" O.C.

27) Install continuous bars of grooved epoxy coated # 5 rebar horizontally throughout entire length of retaining wall 12" O.C.

28) All rebar to be embedded 4" minimum from all edges.

Revisions	Date	Professional Seal	Drawing Title: D-1	Project Title: Bldg. 16 Retaining Wall	Date: 04-11-2017
			Approved:	Building Number: 16 / Checked / Drawn	Project No.: 526-17-505
			Approved:	Location: VAMC BRONX N.Y.	Drawing No.:

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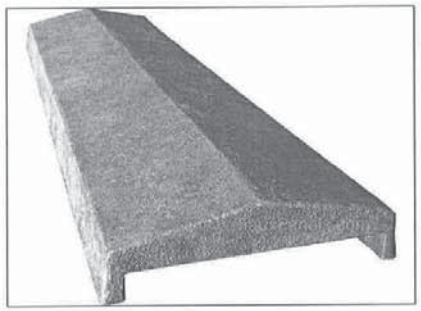
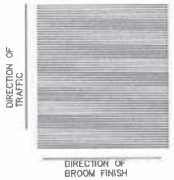
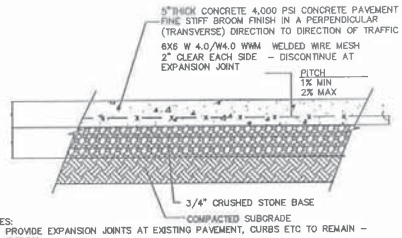
1 Coping Sample
Not to Scale

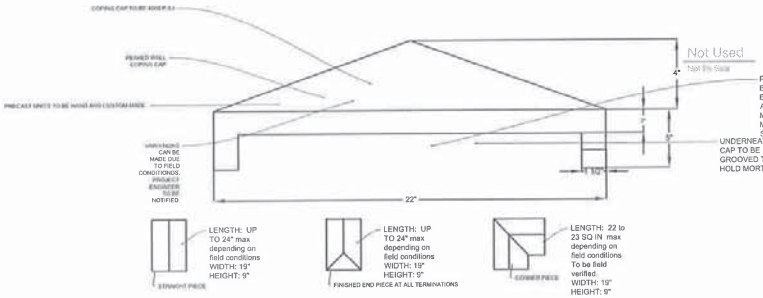




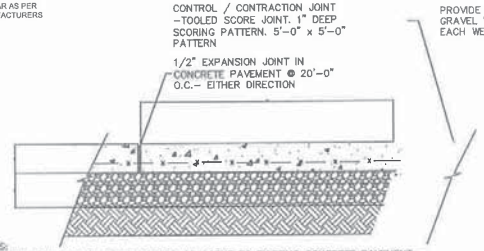


NOTES:
1. PROVIDE EXPANSION JOINTS AT EXISTING PAVEMENT, CURBS ETC TO REMAIN – TYPICAL
2. EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS EXISTING CONCRETE SIDEWALKS, CURBS OR OTHER ADJACENT STRUCTURES.
3. CONTRACTOR TO USE WIRE CHAIRS OR EQUAL TO KEEP WWM UP FROM BOTTOM OF SLABS.
4. PROVIDE EXPANSION AND TOOLED SCORE JOINT AS INDICATED ON DETAIL 4 THIS SHEET

4 New Concrete Sidewalk / Pavement Detail
Not to Scale



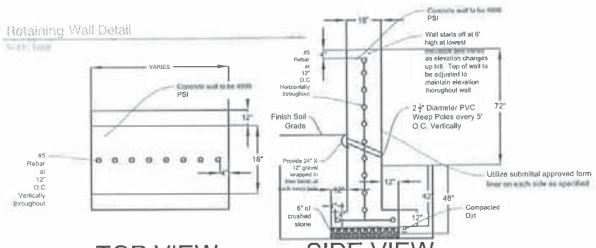
2 Peaked Coping Stone Detail
Not to Scale



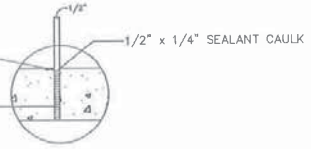
NOTES:
1. IF NEW CONCRETE IS BEING POURED ADJACENT TO EXISTING CONCRETE PAVEMENT – ALIGN NEW JOINT PATTERN WITH EXISTING
2. PROVIDE EXPANSION JOINTS AT EXISTING PAVEMENT, CURBS ETC TO REMAIN – TYPICAL
3. EXPANSION JOINTS SHALL BE LOCATED WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS, CURB OR OTHER ADJACENT STRUCTURES.

5 Concrete Pavement Joint Details
Not to Scale

3 Retaining Wall Detail
Not to Scale



TOP VIEW SIDE VIEW



6 Expansion Joint
Not to Scale

Revisions	Date	Professional Seal	Drawing Title: D-2	Project Title: Bldg. 16 Retaining Wall	Date: 04–11–2017
			Approved:	Building Number: 16 / Checked / Drawn	Project No.: 526-17-505
			Approved:	Location: VAMC BRONX N.Y.	Drawing No.

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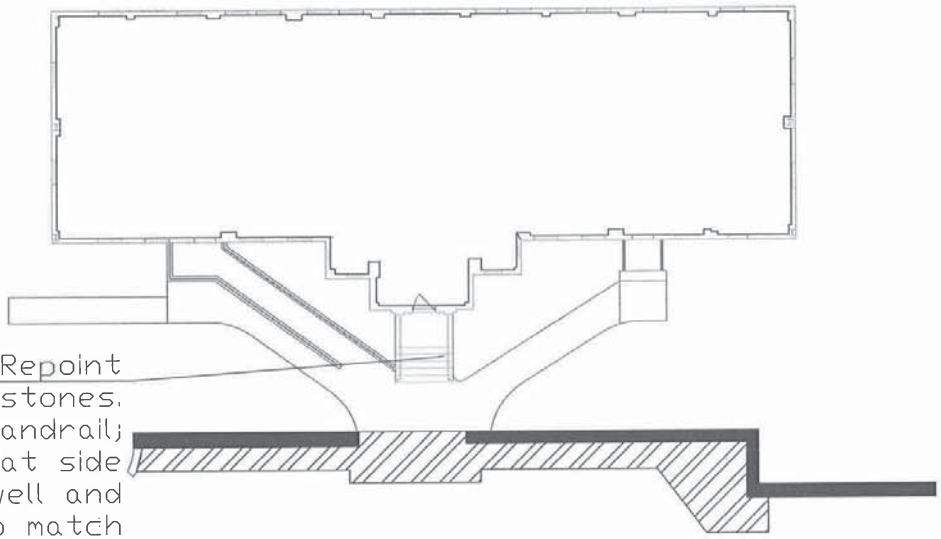

Retuck and Repoint Stairwell stones. Repaint Handrail; Patch holes at side of Stairwell and repaint side to match exterior of bldg.

Contractor will furnish all labor, tools, materials, equipment and supervision to complete the following:

1) Retuck and point all joints for stones steps at stairway at main entrance at Bldg. 16. Remove all old mortar and apply new. Reseal all joints to make waterproof.

2) Fill and compact all holes and gaps at each side of main stairwell at main entrance with new concrete. Chip away as much as possible to fill and compact hole properly. Repaint and apply exterior finish of sides to match exterior of Bldg. 16.

3) Exterior system to have Stucco Finish with a base coat comprised of ready to mix, Portland cement mortar containing dry latex polymers. Finish coat to be pre colored, ready mixed, polymeric coating. Color to match color of building.

4) Paint handrails for main stairwell with exterior ready mixed paint.

5) Clean surfaces before applying paint or surface treatments with materials and methods compatible with substrate and specified finish. Sand and scrape rail as necessary for smooth foundation and remove rust.

6) Apply undercoat paint and primers produced by same manufacturer as finish coats.

7) Undercoats and primers to have VOC content of 200 g/L.

8) Exterior Finish coat to have anticorrosive and antirust properties with a VOC content of 250 g/L. Color to be black. Exterior paint to have 20% biobased material.

9) Utilize fencing, flag men and other required safety precautions for all parts of the project.

10) All areas to be fenced off completely to prevent people from falling or entering construction site.

11) Temporary floor plates can be utilized if necessary.

12) Provide temporary caution and safety signage during construction indicating path of entrance and exit or use of alternate entrances.

13) Coordinate all work with Project Engineer.

14) Provide exact materials as exisitng to replace any areas that may be damaged during construction.

15) Must clean construction site on a daily basis.

16) Any drawings provided must be field verified by contractor for accuracy.

17) Contractor must comply with all necessary James J. Peters Bronx VA Medical Center policies in regards to Security issues, Parking, ID badges, Safety Procedures, Infection Control Measures, Construction Waste Management, Ethical Conduct, etc.

18) Secure all entrances at all times and never leave any open while contractor is off site.

19) Contractor to provide phasing schedule to Project Engineer for approval prior to commencement of work.

20) All work is to abide by VA specifications.

Revisions	Date	Professional Seal	Drawing Title: D-3	Project Title: Bldg. 16 Retaining Wall	Date: 04-11-2017	VAMC BRONX	Department of Veterans Affairs
			Approved:	Building Number: 16	Checked / Drawn	Project No.: 526-17-505	
			Approved:	Location: VAMC BRONX N.Y.		Drawing No.:	

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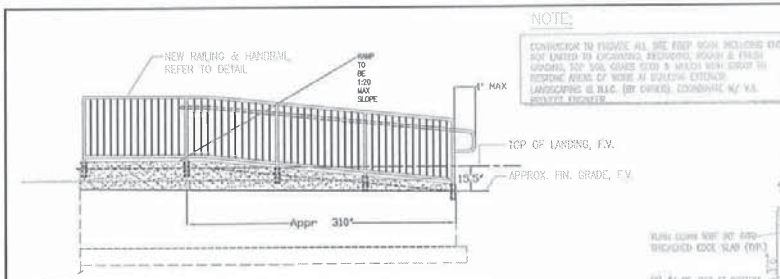
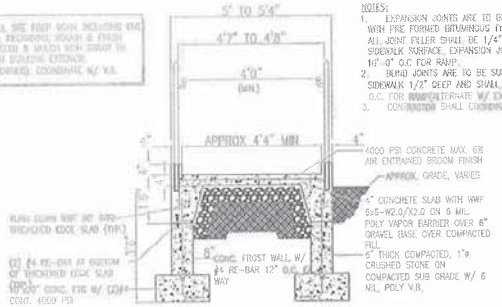


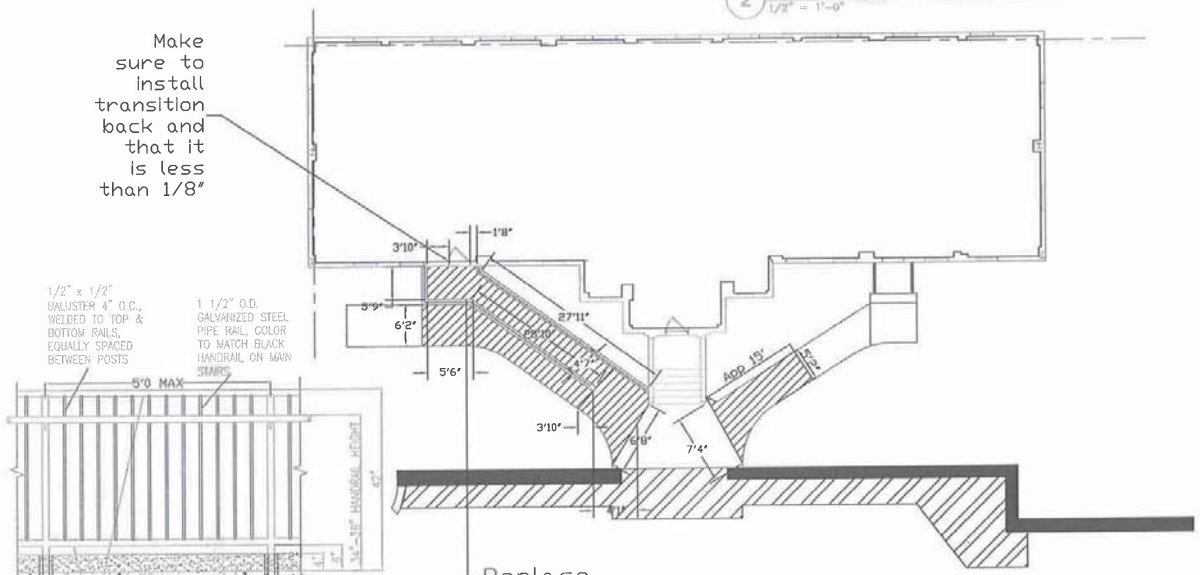
1 PROPOSED ADA RAMP ELEVATION
Not to Scale

NOTE:
CONTRACTOR TO PROVIDE ALL SITE PREP WORK INCLUDING BUT NOT LIMITED TO EXCAVATING, REGRADING, BACKFILL & FINISH GRADING, TOP SOIL, GRASS SEED & MULCH NEW GRADE TO RESTORE AREAS OF WORK AT EXISTING ENTRANCE LANDSCAPING IS N.I.C. (BY OTHERS). COORDINATE W/ V.A. CONSTRUCTION MANAGER



2 RAMP SECTION
1/2" = 1'-0"

NOTES:
1. EXPANSION JOINTS ARE TO BE 1/2" WIDE AND FILLED WITH PRE FORMED BITUMINOUS TYPE JOINT FILLER. TOP OF ALL JOINT FILLER SHALL BE 1/4" BELOW THE TOP OF SIDEWALK SURFACE. EXPANSION JOINT SHALL BE LOCATED @ 10'-0" O.C FOR RAMP.
2. BLIND JOINTS ARE TO BE SURFACE GROOVES CUT INTO SIDEWALK 1/2" DEEP AND SHALL BE LOCATED @ 10'-0" O.C. FOR RAMP (ALTERNATE W/ EXP. JT.)
3. CONTRACTOR SHALL COORDINATE WITH PAD INSTALLATION.



3 TYPICAL RAILING DETAIL
not to scale

Contractor will furnish all labor, tools, materials, equipment and supervision to complete the following:

1) Replace sidewalks, curbs, paint handrails and other construction line items as specified on the project drawings and written specifications.
2) Existing concrete sidewalk to be saw cut and removed in its entirety. Excavate area as required to suit new concrete sidewalks and gravel base.
3) Compact earth to at least 95% of the maximum dry density, at near optimum moisture content as determined by ASTM D1557.
4) Refer to details on drawing D-2 for sidewalks, expansion joint and sealant details.
5) Contractor will locate and take care during construction as not to damage existing structures, existing sidewalks, etc adjacent to existing concrete sidewalks and curbs to be replaced. Any damage shall be repaired or replaced at no cost of VA.
6) Align top of new sidewalks with existing sidewalks.
7) All concrete for sidewalks and curbs to be 4000 PSI.
8) New concrete sidewalk shall match pitch, slope and level of existing sidewalk.
9) Width and length of new sidewalk to match existing.
10) Provide new ½" expansion joints between new curbs and new sidewalks.
11) Provide new ½" expansion joints in new sidewalks at 20'-0" O.C maximum smd between existing sidewlaks, stairs, walls, new retaining wall, etc.
12) Provide tooled scored joint ¼" wide by 1" deep in a 5'-0" x 5'-0" scoring pattern.
13) All new sidewalks to have fine stiff broom finish in a perpendicular (transverse) direction to direction of traffic.
14) Provide ½" X ¼" sealant caulk for all new expansion joints. Sealant caulk to match color of concrete.
15) Paint all hand rails for main stairwell and ramp with exterior ready mixed paint, paint new one off site.
16) Clean surfaces before applying paint or surface treatments with materials and methods compatible with substrate and specified finish.
17) Apply undercoat paint and primers produced by same manufacturer as finish coats.
18) Undercoats and primers to have VOC content of 200 g/L.
19) Exterior Finish coat to have anticorrosive and antirust properties with a VOC content of 250 g/L. Color to be black. Exterior paint to have 20% biobased material.
20) Replace ramp as marked on the drawing directly in front of ramp and Bldg. 16 sidewalks. Follow same requirements as sidewalks in front of retaining wall. .
21) Contractor shall coordinate installation of new ADA ramp with a slope of 1:20 max. Field verify extent of ramp with actual finish grade of landing and of entrance door at top landing. Refer to drawings. Maximum Rise of Ramp is approximately 15.5" between bottom level landing to top level landing but not to surpass 30 in as per ADA spec guidelines.
22) Bottom and top landing shall be level and clear. Each landing to have minimum of 5' X 5' space to allow wheelchairs to spin 360 degrees unobstructed.
23) Pitch ramp at top landing to make sure water does not pool. Install 4" opening along side of curb at top landing to dispel water
24) Insiall new guardrail/handrail made of galvanized steel to match handrail in main stairwell color, thickness, style. Handrail to be installed in premade sleeves in the ramp and filled with epoxy cement in the event the rail has to be replaced in the future the ramp does not have to be destroyed.
25) Guardrails and Handrails to be continuous along both sides of the ramp.
26) Guardrail to be 42" high from grade. Elevation of handrail to be maintained throughout ramp.
27) Sleeves to be flushed with grade of ramp and installed 8" deep from grade in the concrete with post to be embedded in it.
28) Top guardrail to be 1 ½ O.D Galvanized steel pipe rail.
29) Install ½" X ½" Baluster 4" O.C. welded to top and bottom rails equally spaced posts.
30) Handrail height to be 36" from grade. Guardrail to be a maximum of 42" high.
31) Ends of handrail to be rounded and returned smoothly to the floor, wall or post.
32) Install 4" X 4" concrete curb on each side of rail throughout ramp perimeter. Refer to details.
33) All areas to be fenced off completely to prevent people from falling or entering construction site.
34) Temporary floor plates can be utilized if necessary.
35) Provide temporary caution and safety signage during construction indicating path of entrance and exit or use of alternate entrances.
36) Must clean construction site on a daily basis.
37) All dirt by retaining wall is to leveled and topped off to grade for planting by VA. No dips, track marks will be accepted.
38) All drawings and measurements are for reference only and must by field verified by contractor. Contractor with permission from project Engineer can alter dimensions if field conditions differ, change or if contractor knows better installations methods.

Revisions	Date	Professional Seal	Drawing Title: D-4	Project Title: Bldg. 16 Retaining Wall	Date: 04-11-2017
					Project No.: 526-17-505
			Approved:	Building Number: 16 / Checked / Drawn	Drawing No.
			Approved:	Location: VAMC BRONX N.Y.	

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