



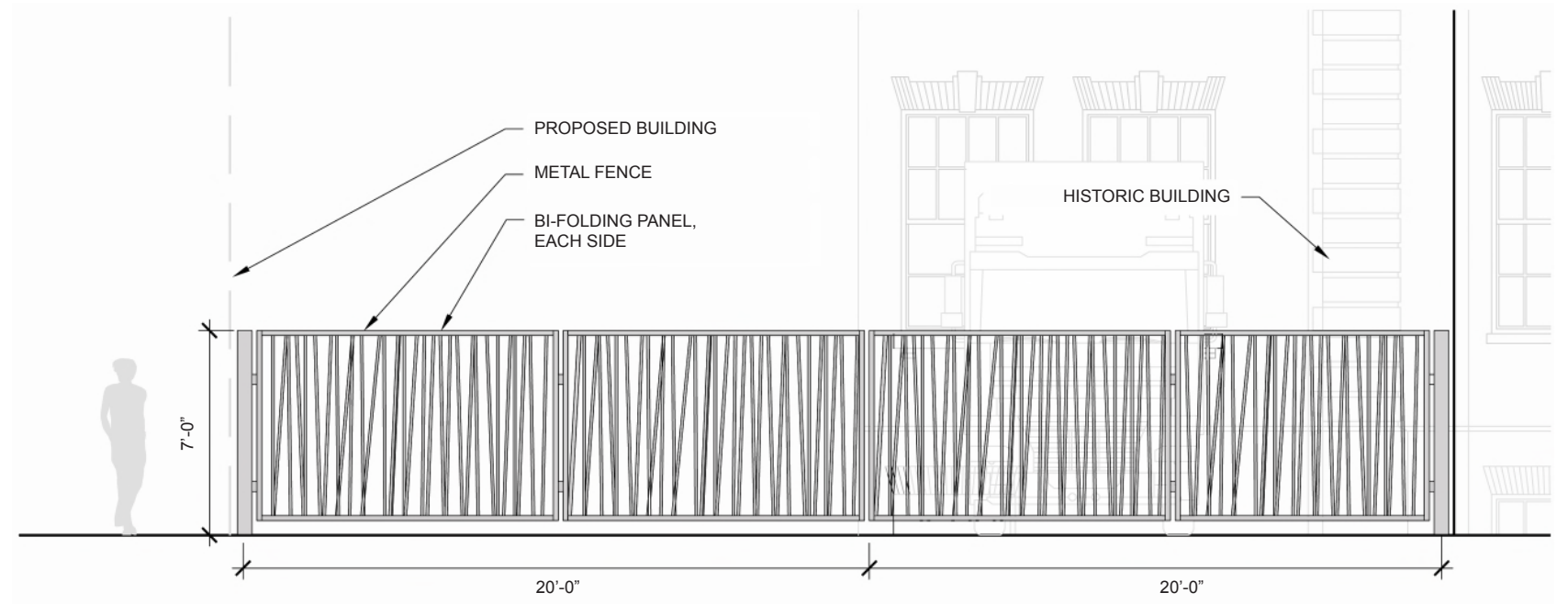
POWDER COATED ALUMINUM PLANTER WALLS



BIKE RACK: *Upright, gray*

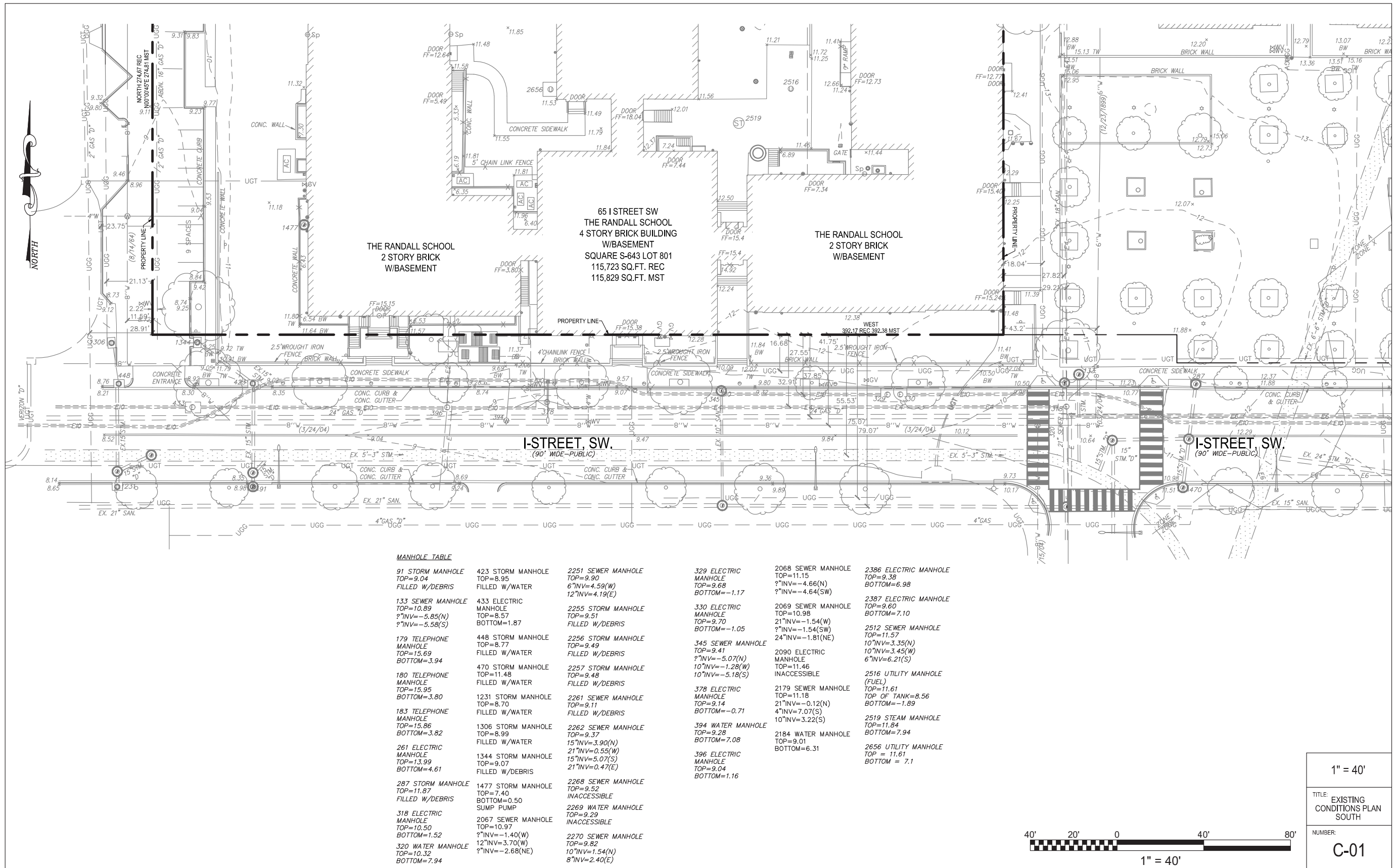


PRECAST CONCRETE PAVER



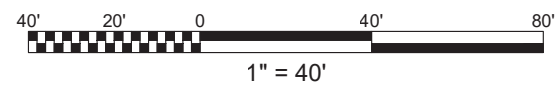
SECURITY FENCE: REPRESENTATIVE ELEVATION

PAGE LEFT BLANK INTENTIONALLY



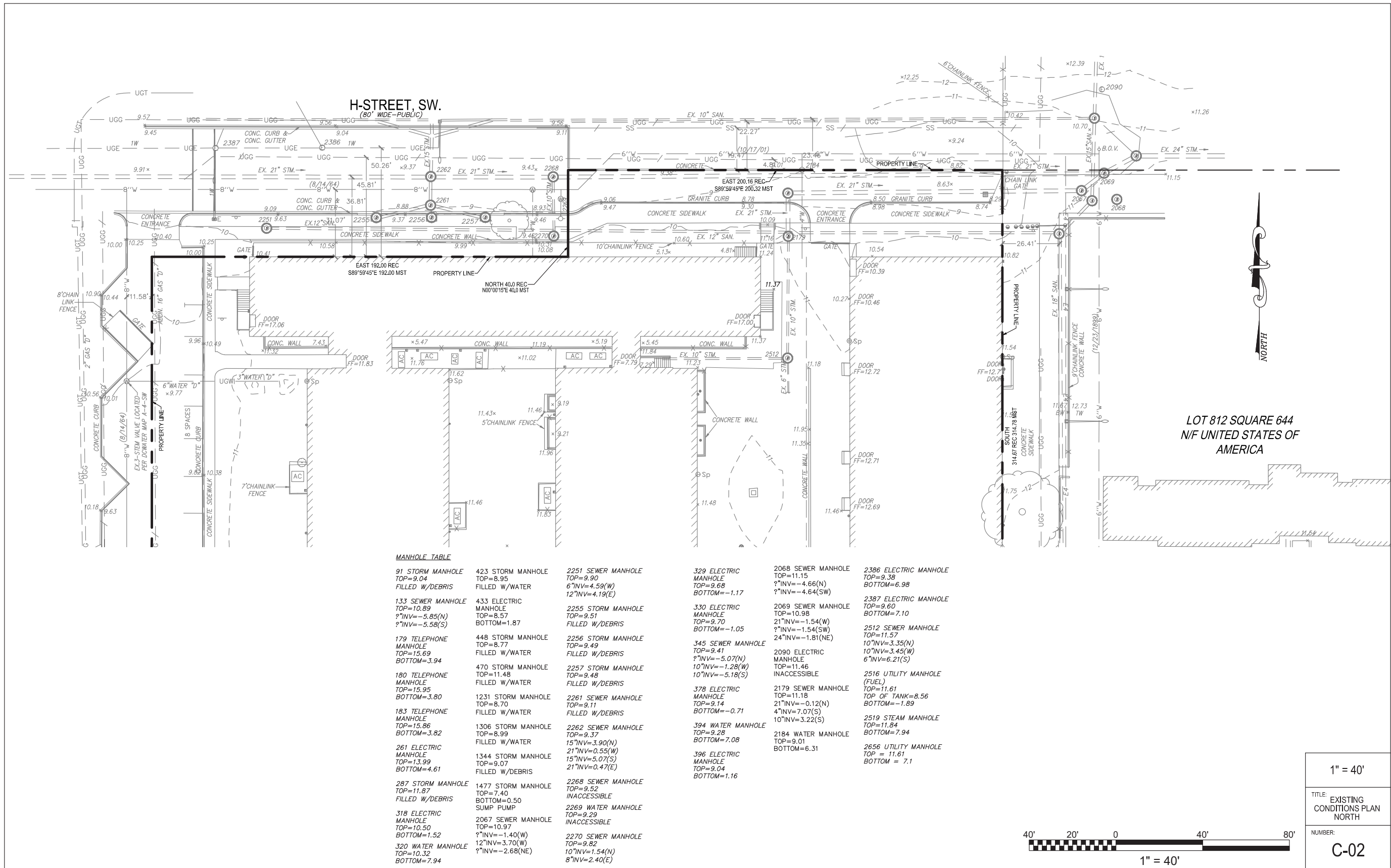
**MANHOLE TABLE**

91 STORM MANHOLE TOP=9.04 FILLED W/DEBRIS	423 STORM MANHOLE TOP=8.95 FILLED W/WATER	2251 SEWER MANHOLE TOP=9.90 6" INV=4.59(W) 12" INV=4.19(E)	329 ELECTRIC MANHOLE TOP=9.68 BOTTOM=-1.17	2068 SEWER MANHOLE TOP=11.15 ? INV=-4.66(N) ? INV=-4.64(SW)	2386 ELECTRIC MANHOLE TOP=9.38 BOTTOM=6.98
133 SEWER MANHOLE TOP=10.89 ? INV=-5.85(N) ? INV=-5.58(S)	433 ELECTRIC MANHOLE TOP=8.57 BOTTOM=1.87	2255 STORM MANHOLE TOP=9.51 FILLED W/DEBRIS	330 ELECTRIC MANHOLE TOP=9.70 BOTTOM=-1.05	2069 SEWER MANHOLE TOP=10.98 21" INV=-1.54(W) ? INV=-1.54(SW) 24" INV=-1.81(NE)	2387 ELECTRIC MANHOLE TOP=9.60 BOTTOM=7.10
179 TELEPHONE MANHOLE TOP=15.69 BOTTOM=3.94	448 STORM MANHOLE TOP=8.77 FILLED W/WATER	2256 STORM MANHOLE TOP=9.49 FILLED W/DEBRIS	345 SEWER MANHOLE TOP=9.41 ? INV=-5.07(N) 10" INV=-1.29(W) 10" INV=-5.18(S)	2090 ELECTRIC MANHOLE TOP=11.46 INACCESSIBLE	2512 SEWER MANHOLE TOP=11.57 10" INV=3.35(N) 10" INV=3.45(W) 6" INV=6.21(S)
180 TELEPHONE MANHOLE TOP=15.95 BOTTOM=3.80	470 STORM MANHOLE TOP=11.48 FILLED W/WATER	2257 STORM MANHOLE TOP=9.48 FILLED W/DEBRIS	378 ELECTRIC MANHOLE TOP=9.14 BOTTOM=-0.71	2179 SEWER MANHOLE TOP=11.18 21" INV=-0.12(N) 4" INV=7.07(S) 10" INV=3.22(S)	2516 UTILITY MANHOLE (FUEL) TOP=11.61 TOP OF TANK=8.56 BOTTOM=-1.89
183 TELEPHONE MANHOLE TOP=15.86 BOTTOM=3.82	1231 STORM MANHOLE TOP=8.70 FILLED W/WATER	2261 SEWER MANHOLE TOP=9.11 FILLED W/DEBRIS	394 WATER MANHOLE TOP=9.28 BOTTOM=7.08	2184 WATER MANHOLE TOP=9.01 BOTTOM=6.31	2519 STEAM MANHOLE TOP=11.84 BOTTOM=7.94
261 ELECTRIC MANHOLE TOP=13.99 BOTTOM=4.61	1306 STORM MANHOLE TOP=8.99 FILLED W/WATER	2262 SEWER MANHOLE TOP=9.37 15" INV=3.90(N) 21" INV=0.55(W) 15" INV=5.07(S) 21" INV=0.47(E)	396 ELECTRIC MANHOLE TOP=9.04 BOTTOM=1.16		2656 UTILITY MANHOLE TOP=11.61 BOTTOM=7.1
287 STORM MANHOLE TOP=11.87 FILLED W/DEBRIS	1477 STORM MANHOLE TOP=7.40 BOTTOM=0.50 SUMP PUMP	2268 SEWER MANHOLE TOP=9.52 INACCESSIBLE			
318 ELECTRIC MANHOLE TOP=10.50 BOTTOM=1.52	2067 SEWER MANHOLE TOP=10.97 ? INV=-1.40(W) 12" INV=3.70(W) ? INV=-2.68(NE)	2269 WATER MANHOLE TOP=9.29 INACCESSIBLE			
320 WATER MANHOLE TOP=10.32 BOTTOM=7.94		2270 SEWER MANHOLE TOP=9.82 10" INV=1.54(N) 8" INV=2.40(E)			



1" = 40'
TITLE EXISTING CONDITIONS PLAN SOUTH
NUMBER C-01

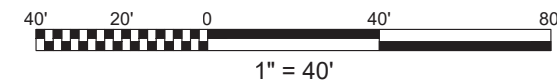




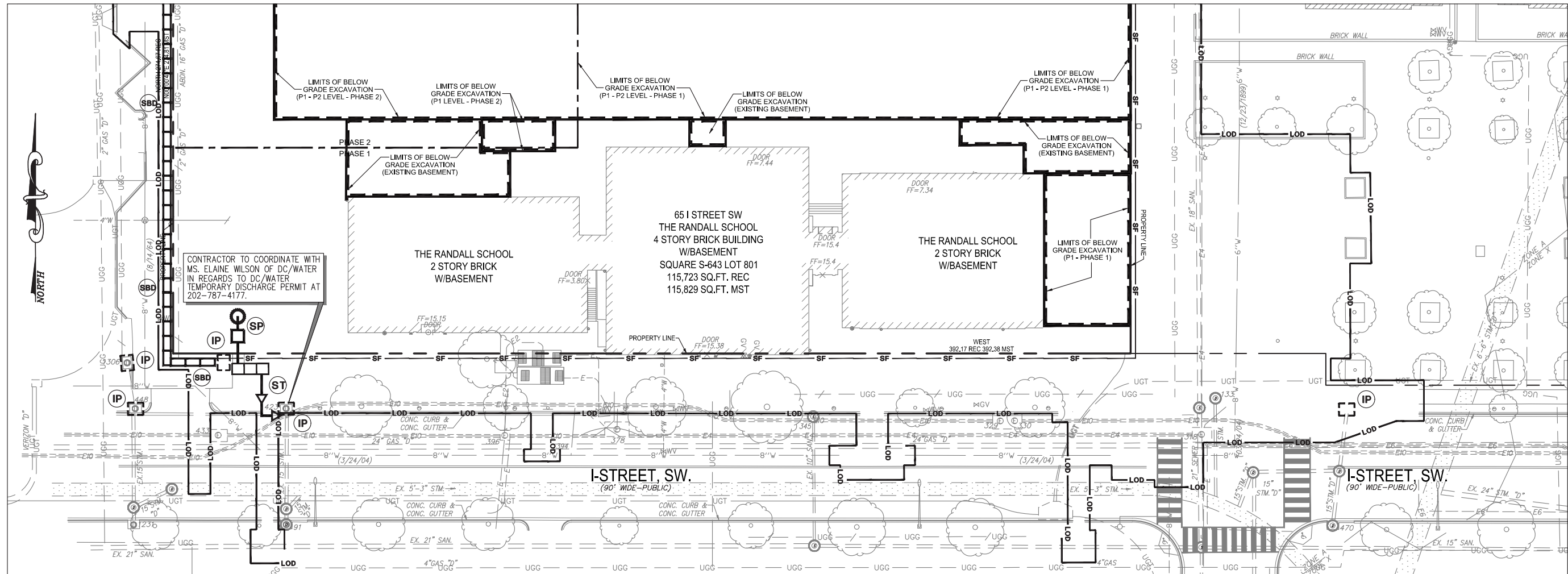
LOT 812 SQUARE 644  
N/F UNITED STATES OF  
AMERICA

**MANHOLE TABLE**

91 STORM MANHOLE TOP=9.04 FILLED W/DEBRIS	423 STORM MANHOLE TOP=8.95 FILLED W/WATER	2251 SEWER MANHOLE TOP=9.90 6" INV=4.59(W) 12" INV=4.19(E)	329 ELECTRIC MANHOLE TOP=9.68 BOTTOM=-1.17	2068 SEWER MANHOLE TOP=11.15 ? INV=-4.66(N) ? INV=-4.64(SW)	2386 ELECTRIC MANHOLE TOP=9.38 BOTTOM=6.98
133 SEWER MANHOLE TOP=10.89 ? INV=-5.85(N) ? INV=-5.58(S)	433 ELECTRIC MANHOLE TOP=8.57 BOTTOM=1.87	2255 STORM MANHOLE TOP=9.51 FILLED W/DEBRIS	330 ELECTRIC MANHOLE TOP=9.70 BOTTOM=-1.05	2069 SEWER MANHOLE TOP=10.98 21" INV=-1.54(W) ? INV=-1.54(SW) 24" INV=-1.81(NE)	2387 ELECTRIC MANHOLE TOP=9.60 BOTTOM=7.10
179 TELEPHONE MANHOLE TOP=15.69 BOTTOM=3.94	448 STORM MANHOLE TOP=8.77 FILLED W/WATER	2256 STORM MANHOLE TOP=9.49 FILLED W/DEBRIS	345 SEWER MANHOLE TOP=9.41 ? INV=-5.07(N) 10" INV=-1.28(W) 10" INV=-5.18(S)	2090 ELECTRIC MANHOLE TOP=11.46 INACCESSIBLE	2512 SEWER MANHOLE TOP=11.57 10" INV=3.35(N) 10" INV=3.45(W) 6" INV=6.21(S)
180 TELEPHONE MANHOLE TOP=15.95 BOTTOM=3.80	470 STORM MANHOLE TOP=11.48 FILLED W/WATER	2257 STORM MANHOLE TOP=9.48 FILLED W/DEBRIS	378 ELECTRIC MANHOLE TOP=9.14 BOTTOM=-0.71	2179 SEWER MANHOLE TOP=11.18 21" INV=-0.12(N) 4" INV=7.07(S) 10" INV=3.22(S)	2516 UTILITY MANHOLE (FUEL) TOP=11.61 TOP OF TANK=8.56 BOTTOM=-1.89
183 TELEPHONE MANHOLE TOP=15.86 BOTTOM=3.82	1231 STORM MANHOLE TOP=8.70 FILLED W/WATER	2261 SEWER MANHOLE TOP=9.11 FILLED W/DEBRIS	394 WATER MANHOLE TOP=9.28 BOTTOM=7.08	2184 WATER MANHOLE TOP=9.01 BOTTOM=6.31	2519 STEAM MANHOLE TOP=11.84 BOTTOM=7.94
261 ELECTRIC MANHOLE TOP=13.99 BOTTOM=4.61	1306 STORM MANHOLE TOP=8.99 FILLED W/WATER	2262 SEWER MANHOLE TOP=9.37 15" INV=3.90(N) 21" INV=0.55(W) 15" INV=5.07(S) 21" INV=0.47(E)	396 ELECTRIC MANHOLE TOP=9.04 BOTTOM=1.16		2656 UTILITY MANHOLE TOP = 11.61 BOTTOM = 7.1
287 STORM MANHOLE TOP=11.87 FILLED W/DEBRIS	1477 STORM MANHOLE TOP=7.40 BOTTOM=0.50 SUMP PUMP	2268 SEWER MANHOLE TOP=9.52 INACCESSIBLE			
318 ELECTRIC MANHOLE TOP=10.50 BOTTOM=1.52	2067 SEWER MANHOLE TOP=10.97 ? INV=-1.40(W) 12" INV=3.70(W) ? INV=-2.68(NE)	2269 WATER MANHOLE TOP=9.29 INACCESSIBLE			
320 WATER MANHOLE TOP=10.32 BOTTOM=7.94		2270 SEWER MANHOLE TOP=9.82 10" INV=1.54(N) 8" INV=2.40(E)			



1" = 40'
TITLE: EXISTING CONDITIONS PLAN NORTH
NUMBER: C-02



CONTRACTOR TO COORDINATE WITH MS. ELAINE WILSON OF DC/WATER IN REGARDS TO DC/WATER TEMPORARY DISCHARGE PERMIT AT 202-787-4177.

**EROSION AND SEDIMENT CONTROL NARRATIVE:**

A GREEN ROOF WILL BE CONSTRUCTED ON MULTIPLE LEVELS OF THE NEW BUILDING. ALSO, AS PART OF THE CONSTRUCTION, NEW UTILITIES WILL BE INSTALLED INCLUDING STORM SEWER, WATER AND SANITARY SEWER CONNECTING TO MAINS ALONG H STREET AND I STREET.

INLET PROTECTION IS TO BE USED ON CURB INLETS. THE SITE IS TO BE WRAPPED IN SILT FENCE. REFER TO SHEETS CIV03-01 AND CIV01 FOR EROSION AND SEDIMENT CONTROL DETAILS AND NOTES.

**DESCRIPTION OF PREDOMINANT SOIL TYPE:**

PREDOMINANT SOIL TYPES (FROM USDA-NRCS): 100% URBAN LAND (Ue)

**STANDARD EROSION AND SEDIMENT CONTROL MEASURES AND SEQUENCE:**

1. SEDIMENT TRAPS OR BASINS AND OTHER EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED NO LATER THAN THE FIRST PHASE OF LAND GRADING.
2. SEDIMENT TRAPS OR BASINS AND OTHER EROSION AND SEDIMENT CONTROLS, SHALL BE INSTALLED AS SOON AS NEW SITE-RELATED RUNOFF IS DETECTED AND EMPLOYED AT ALL TIMES, TO PREVENT INLETS OR STORM SEWERS BELOW SILT-PRODUCING AREAS.
3. NO LATER THAN THE FIRST DAY OF CONSTRUCTION, INSTALL SITE ACCESS MEASURES TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. EACH CONSTRUCTION ENTRANCE MUST BE STABILIZED AND INCLUDE EACH ADDITIONAL MEASURE, REQUIRED TO KEEP SEDIMENT FROM BEING CARRIED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES AND WASHED INTO A STORM DRAIN OR WATERWAYS.
4. REMOVE OFF-SITE ACCUMULATIONS OF SEDIMENT DAILY DURING CONSTRUCTION AND IMMEDIATELY AT THE REQUEST OF A DOE INSPECTOR.
5. PERFORM ROUTINE MAINTENANCE TO PREVENT ANY NEW DESTABILIZED AREAS.

**DUST CONTROL NOTES:**

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS AND MAINTAIN THE PROJECT SITE AS TO MINIMIZE THE CREATION AND DISPERSION OF DUST. DUST CONTROL SHALL BE USED THROUGHOUT THE WORK AT THE SITE.
2. THE CONTRACTOR MUST PROVIDE CLEAN WATER, FREE FROM SALT, OIL AND OTHER DELETERIOUS MATERIAL TO BE USED FOR ON-SITE DUST CONTROL.
3. THE CONTRACTOR SHALL SUPPLY WATER SPRAYING EQUIPMENT CAPABLE OF ACCESSING ALL WORK AREAS.
4. THE CONTRACTOR SHALL IMPLEMENT STRICT DUST CONTROL MEASURES DURING ACTIVE CONSTRUCTION PERIODS ON-SITE. THESE CONTROL MEASURES WILL GENERALLY CONSIST OF WATER APPLICATIONS THAT SHALL BE APPLIED A MINIMUM OF ONCE PER DAY DURING DRY WEATHER OR MORE OFTEN AS REQUIRED TO PREVENT DUST EMISSIONS.
5. FOR WATER APPLICATION TO UNDISTURBED SOIL SURFACES, THE CONTRACTOR SHALL:
  - A. APPLY WATER WITH EQUIPMENT CONSISTING OF TANK, SPRAY BAR, PUMP WITH DISCHARGE PRESSURE GAUGE;
  - B. ARRANGE SPRAY BAR HEIGHT, NOZZLE SPACING AND SPRAY PATTERN TO PROVIDE COMPLETE COVERAGE OF GROUND WITH WATER;
  - C. DISPERSE WATER THROUGH NOZZLES ON SPRAY BAR AT 20 PSI (137.8 K PA) MINIMUM. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS PONDING.
6. FOR WATER APPLICATION TO SOIL SURFACES DURING DEMOLITION AND/OR EXCAVATION, THE CONTRACTOR SHALL:
  - A. APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES;
  - B. LOCATE TANK AND SPRAYING EQUIPMENT SO THAT THE ENTIRE EXCAVATION AREA CAN BE MISTED WITHOUT INTERFERING WITH DEMOLITION AND/OR EXCAVATION EQUIPMENT OR OPERATIONS. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS PONDING.
  - C. APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND SITE BOUNDARIES.
7. APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES.
8. LOCATE TANK AND SPRAYING EQUIPMENT SO THAT THE ENTIRE EXCAVATION AREA CAN BE MISTED WITHOUT INTERFERING WITH DEMOLITION AND/OR EXCAVATION EQUIPMENT OR OPERATIONS. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS PONDING.
9. APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND SITE BOUNDARIES.

**LAND DISTURBANCE ACTIVITY NOTE:**

A PERSON RESPONSIBLE FOR LAND DISTURBANCE IS TO BE PRESENT OR AVAILABLE AT ALL TIMES WHILE SITE IS IN A PHASE INVOLVING LAND DISTURBING ACTIVITY. THE RESPONSIBLE PERSON IS RESPONSIBLE FOR INSPECTION OF THE SITE EROSION & SEDIMENT CONTROL MEASURES BIWEEKLY AND AFTER RAINFALL EVENTS. AVAILABILITY TO RESPOND TO POTENTIAL EROSION PROBLEMS AS THEY OCCUR AND AVAILABILITY TO SPEAK ON-SITE WITH DOE TO REMEDY POTENTIAL PROBLEMS. THE RESPONSIBLE PERSON IS TO HAVE AVAILABLE ON-SITE PROOF OF PROFESSIONAL LICENSING OR OF SUCCESSFUL COMPLETION OF A DEPARTMENT APPROVED TRAINING PROGRAM IN COMPLIANCE OF RESPONSIBLE PERSON DESIGNATION.

**CONSTRUCTION AND STABILIZATION SEQUENCE:**

1. INSTALL SEDIMENT AND EROSION CONTROL MEASURES INCLUDING STRAW BALE DIKES, INLET PROTECTION, SUMP PIT, PORTABLE SEDIMENT TANK, STABILIZED CONSTRUCTION ENTRANCE WITH WASH RACK, TREE PROTECTION, AND SILT FENCE AS INDICATED ON SHEET CIV03. SEE SHEET CIV01 FOR EROSION AND SEDIMENT CONTROL DETAILS.
2. SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND APPROVED BY THE INSPECTOR PRIOR TO COMMENCING ANY OTHER LAND DISTURBING ACTIVITIES.
3. REMOVE ITEMS AS INDICATED ON DEMOLITION PLAN.
4. INSTALL PROPOSED UTILITIES AS INDICATED ON SHEET CIV03.
5. INSTALL SITE IMPROVEMENTS AS INDICATED ON CONSTRUCTION DOCUMENTS FOR THE PROPOSED BUILDING.
6. CONSTRUCT SMPS AS INDICATED ON SHEET CIV01.
7. AT THE COMPLETION OF CONSTRUCTION AND AFTER THE INSPECTOR'S APPROVAL, ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED.

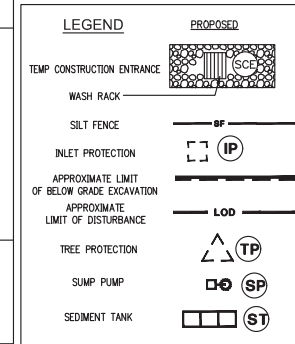
**ENFORCEMENT OF SIGNAGE REQUIREMENT FOR PROJECTS REQUIRING EROSION AND SEDIMENT CONTROL PLANS:**

ALL CONSTRUCTION PROJECTS REQUIRING SOIL EROSION AND SEDIMENT CONTROL (ESC) PLANS MUST POST A DISTRICT-APPROVED SIGN THAT NOTIFIES THE PUBLIC TO CONTACT DOE IN THE EVENT OF EROSION OR OTHER POLLUTION FROM THE SITE. DOE HAS INCORPORATED ITS ENFORCEMENT EFFORTS FOR THIS REQUIREMENT. A LIMITED NUMBER OF PRE-PRINTED SIGNS IS AVAILABLE AT THE DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS AND WILL BE ISSUED AT NO CHARGE WITH APPROVED SOIL EROSION AND SEDIMENT CONTROL PLANS ON A FIRST COME, FIRST SERVED BASIS. AN ELECTRONIC COPY OF THE DISTRICT APPROVED SIGN IS AVAILABLE AT [HTTP://DOEE.DC.GOV/ESC](http://doee.dc.gov/esc).

**EROSION AND SEDIMENT CONTROL NOTE:**

1. THE APPLICANT MUST NOTIFY THE DEPARTMENT OF ENERGY AND ENVIRONMENT BY PHONE (202-535-2977) AT LEAST 72 HOURS PRIOR TO THE START OF LAND DISTURBING ACTIVITY AND WITHIN (2) WEEKS AFTER COMPLETION OF PROJECT TO REQUEST INSPECTION. IF THERE IS NEED TO MAKE CHANGES OR MODIFICATIONS IN THE APPROVED DESIGN, DEPARTMENT OF ENERGY AND ENVIRONMENT MUST BE NOTIFIED IMMEDIATELY.
2. REMOVAL OF ANY EROSION AND SEDIMENT CONTROL MEASURES REQUIRES APPROVAL FROM DOE INSPECTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF SHEETING AND SHORING AND SUPPORT OF EXISTING UTILITIES AND ADJACENT STRUCTURES. SHORING, BRACING, AND UNDERPINNING DESIGNED BY THE CONTRACTOR'S STRUCTURAL ENGINEER LICENSED IN THE DISTRICT OF COLUMBIA SHALL BE PROVIDED AS NECESSARY TO ENSURE THEIR SUPPORT.
4. PROVIDE SILT FENCE AT PERIMETER OF EXCAVATION AREA TO REMAIN IN PLACE UNTIL BELOW GRADE EXCAVATION HAS BEGUN UNLESS OTHERWISE APPROVED BY THE INSPECTOR.
5. CONTRACTOR TO PROVIDE ON SITE APPROVED STAMPED AND SIGNED SEDIMENTATION AND EROSION CONTROL DRAWINGS BY DEPARTMENT OF ENERGY AND ENVIRONMENT, WATERSHED PROTECTION DIVISION.
6. PROVIDE A CHAIN LINK FENCE AT PERIMETER OF SITE.
7. NO LATER THAN THE FIRST DAY OF CONSTRUCTION, INSTALL SITE ACCESS MEASURES TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. EACH CONSTRUCTION ENTRANCE MUST BE STABILIZED AND INCLUDE EACH ADDITIONAL MEASURES REQUIRED TO KEEP SEDIMENT FROM BEING CARRIED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES AND WASHED INTO A STORM DRAIN OR WATERWAY.
8. REMOVE OFF-SITE ACCUMULATIONS OF SEDIMENT DAILY DURING CONSTRUCTION AND IMMEDIATELY AT THE REQUEST OF DOE INSPECTOR.
9. PERFORM ROUTINE MAINTENANCE TO PREVENT ANY NEW DE-STABILIZATION AREAS.
10. STRAW BALE DIKES WILL BE REPLACED EVERY THREE (3) MONTHS UNTIL COMMENCEMENT OF CONSTRUCTION.

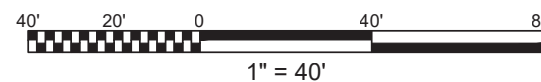
<b>TOTAL SITE AREA:</b> TOTAL SITE AREA: 107,878 SF / 2.477 AC	<b>TOTAL VOLUME OF CUT/FILL FOR UTILITIES:</b> TOTAL AREA OF EXCAVATION: 3,101 SF / 0.0712 AC VOLUME OF CUT: (3,101) SQ.FT. (AREA) X (7) FEET (DEPTH)
<b>TOTAL VOLUME OF CUT OF BELOW GRADE EXCAVATION: (P1 - PHASE 1)</b> TOTAL AREA OF EXCAVATION: 37,368 SF / 0.8579 AC VOLUME OF CUT: (37,368) SQ.FT. (AREA) X (13.5) FEET (DEPTH)	<b>VOLUME OF CUT AND FILL: ( 804 ) cy +/-</b> <b>TOTAL AREA OF DISTURBANCE:</b> TOTAL AREA OF DISTURBANCE: 154,785 SQUARE FEET OR 3.5534 AC
<b>VOLUME OF CUT: ( 18,684 ) cy +/-</b> (P1 - PHASE 2) TOTAL AREA OF EXCAVATION: 25,814 SF / 0.5926 AC VOLUME OF CUT: (25,814) SQ.FT. (AREA) X (13.5) FEET (DEPTH)	<b>CONSTRUCTION DATES:</b> THE PROPOSED WORK IS ANTICIPATED TO TAKE APPROXIMATELY 24 MONTHS. EXACT BEGINNING AND END OF CONSTRUCTION IS TO BE ESTABLISHED BY THE OWNER.
<b>VOLUME OF CUT: ( 12,907 ) cy +/-</b> <b>P1 TOTAL VOLUME OF CUT: ( 31,591 ) cy +/-</b>	
<b>TOTAL VOLUME OF CUT OF BELOW GRADE EXCAVATION: (P2 - PHASE 1)</b> TOTAL AREA OF EXCAVATION: 37,368 SF / 0.8579 AC VOLUME OF CUT: (37,368) SQ.FT. (AREA) X (9) FEET (DEPTH)	
<b>VOLUME OF CUT: ( 12,456 ) cy +/-</b> (P2 - PHASE 2) TOTAL AREA OF EXCAVATION: 25,424 SF / 0.5837 AC VOLUME OF CUT: (25,424) SQ.FT. (AREA) X (9) FEET (DEPTH)	
<b>VOLUME OF CUT: ( 8,475 ) cy +/-</b>	
<b>TOTAL VOLUME OF CUT OF BELOW GRADE EXCAVATION: (EX. BASEMENT - PHASE 1)</b> TOTAL AREA OF EXCAVATION: 3,375 SF / 0.0775 AC VOLUME OF CUT: (3,375) SQ.FT. (AREA) X (13.5) FEET (DEPTH)	
<b>VOLUME OF CUT: ( 1,688 ) cy +/-</b>	



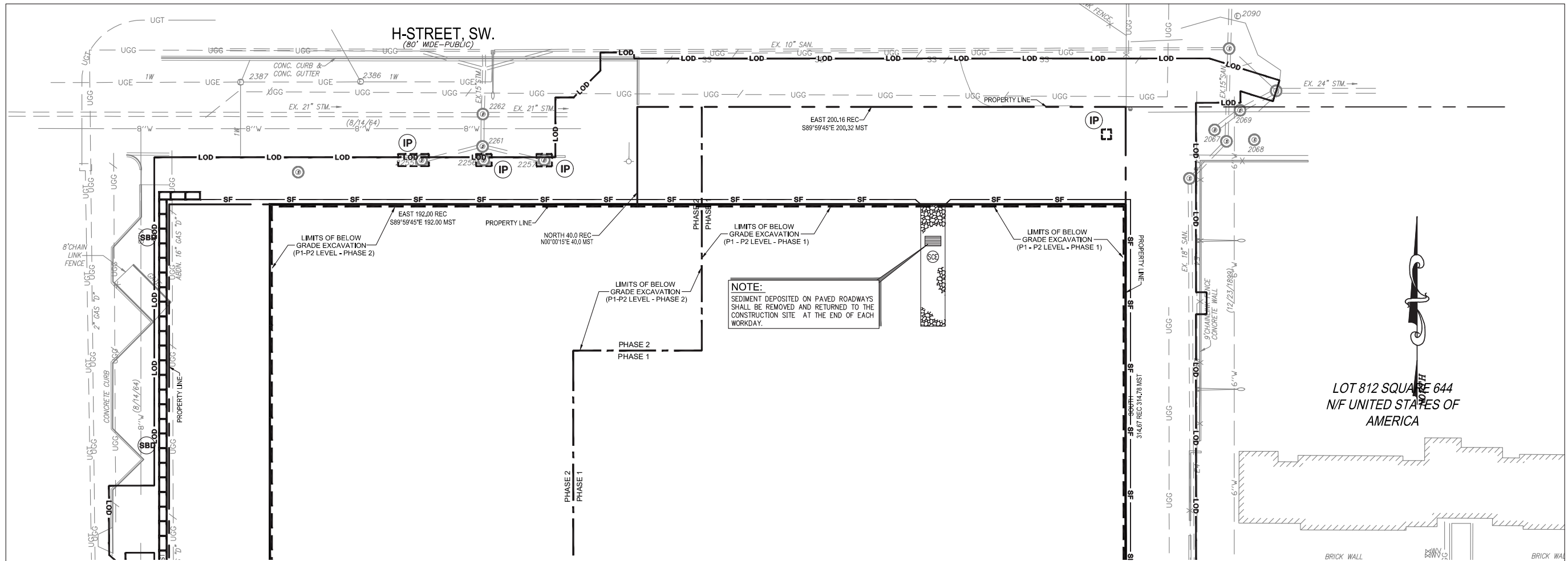
1" = 40'

TITLE: EROSION AND SEDIMENTATION CONTROL PLAN SOUTH  
NUMBER: C-03

THIS SHEET IS TO BE USED FOR SEDIMENTATION AND EROSION CONTROL PURPOSES ONLY !!!







LOT 812 SQUARE 644  
N/W UNITED STATES OF  
AMERICA

**EROSION AND SEDIMENT CONTROL NARRATIVE:**

A GREEN ROOF WILL BE CONSTRUCTED ON MULTIPLE LEVELS OF THE NEW BUILDING. ALSO, AS PART OF THE CONSTRUCTION, NEW UTILITIES WILL BE INSTALLED INCLUDING STORM SEWER, WATER AND SANITARY SEWER CONNECTING TO MAINS ALONG H STREET AND I STREET.

INLET PROTECTION IS TO BE USED ON CURB INLETS. THE SITE IS TO BE WRAPPED IN SILT FENCE. REFER TO SHEETS CIV103-01 AND CIV501 FOR EROSION AND SEDIMENT CONTROL DETAILS AND NOTES.

**DESCRIPTION OF PREDOMINANT SOIL TYPE:**

PREDOMINANT SOIL TYPES (FROM USDA-NRCS): 100% URBAN LAND (Ua)

**STANDARD EROSION AND SEDIMENT CONTROL MEASURES AND SEQUENCE:**

1. SEDIMENT TRAPS OR BASINS AND OTHER EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED NO LATER THAN THE FIRST PHASE OF LAND GRADING.
2. SEDIMENT TRAPS OR BASINS AND OTHER EROSION AND SEDIMENT CONTROLS, SHALL BE INSTALLED AS SOON AS NEW SITE-RELATED RUNOFF IS DETECTED AND EMPLOYED AT ALL TIMES, TO PROTECT INLETS OR STORM SEWERS BELOW SILT-PRODUCING AREAS.
3. NO LATER THAN THE FIRST DAY OF CONSTRUCTION, INSTALL SITE ACCESS MEASURES TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. EACH CONSTRUCTION ENTRANCE MUST BE STABILIZED AND INCLUDE EACH ADDITIONAL MEASURE, REQUIRED TO KEEP SEDIMENT FROM BEING CARRIED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES AND WASHED INTO A STORM DRAIN OR WATERWAYS.
4. REMOVE OFF-SITE ACCUMULATIONS OF SEDIMENT DAILY DURING CONSTRUCTION AND IMMEDIATELY AT THE REQUEST OF A DOEE INSPECTOR.
5. PERFORM ROUTINE MAINTENANCE TO PREVENT ANY NEW DESTABILIZED AREAS.

**DUST CONTROL NOTES:**

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS AND MAINTAIN THE PROJECT SITE AS TO MINIMIZE THE CREATION AND DISPERSION OF DUST. DUST CONTROL SHALL BE USED THROUGHOUT THE WORK AT THE SITE.
2. THE CONTRACTOR MUST PROVIDE CLEAN WATER, FREE FROM SALT, OIL AND OTHER DELETERIOUS MATERIAL TO BE USED FOR ON-SITE DUST CONTROL.
3. THE CONTRACTOR SHALL SUPPLY WATER SPRAYING EQUIPMENT CAPABLE OF ACCESSING ALL WORK AREAS.
4. THE CONTRACTOR SHALL IMPLEMENT STRICT DUST CONTROL MEASURES DURING ACTIVE CONSTRUCTION PERIODS ON-SITE. THESE CONTROL MEASURES WILL GENERALLY CONSIST OF WATER APPLICATIONS THAT SHALL BE APPLIED A MINIMUM OF ONCE PER DAY DURING DRY WEATHER OR MORE OFTEN AS REQUIRED TO PREVENT DUST EMISSIONS.
5. FOR WATER APPLICATION TO UNDISTURBED SOIL SURFACES, THE CONTRACTOR SHALL:
  - A. APPLY WATER WITH EQUIPMENT CONSISTING OF TANK, SPRAY BAR, PUMP WITH DISCHARGE PRESSURE GAUGE;
  - B. ARRANGE SPRAY BAR HEIGHT, NOZZLE SPACING AND SPRAY PATTERN TO PROVIDE COMPLETE COVERAGE OF GROUND WITH WATER;
  - C. DISPERSE WATER THROUGH NOZZLES ON SPRAY BAR AT 20 PSI (137.8 K PA) MINIMUM. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS FONDING.
6. FOR WATER APPLICATION TO SOIL SURFACES DURING DEMOLITION AND/OR EXCAVATION, THE CONTRACTOR SHALL:
  - A. APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES;
  - B. LOCATE TANK AND SPRAYING EQUIPMENT SO THAT THE ENTIRE EXCAVATION AREA CAN BE MISTED WITHOUT INTERFERING WITH DEMOLITION AND/OR EXCAVATION EQUIPMENT OR OPERATIONS. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS FONDING.
  - C. APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND SITE BOUNDARIES.
7. APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES.
8. LOCATE TANK AND SPRAYING EQUIPMENT SO THAT THE ENTIRE EXCAVATION AREA CAN BE MISTED WITHOUT INTERFERING WITH DEMOLITION AND/OR EXCAVATION EQUIPMENT OR OPERATIONS. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS FONDING.
9. APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND SITE BOUNDARIES.

**LAND DISTURBANCE ACTIVITY NOTE:**

A PERSON RESPONSIBLE FOR LAND DISTURBANCE IS TO BE PRESENT OR AVAILABLE AT ALL TIMES WHILE SITE IS IN A PHASE INVOLVING LAND DISTURBING ACTIVITY. THE RESPONSIBLE PERSON IS RESPONSIBLE FOR INSPECTION OF THE SITE EROSION & SEDIMENT CONTROL MEASURES BIWEEKLY AND AFTER RAINFALL EVENTS. AVAILABILITY TO RESPOND TO POTENTIAL EROSION PROBLEMS AS THEY OCCUR AND AVAILABILITY TO SPEAK ONSITE WITH DOEE TO REMEDY POTENTIAL PROBLEMS. THE RESPONSIBLE PERSON IS TO HAVE AVAILABLE, ONSITE PROOF OF PROFESSIONAL LICENSING OR OF SUCCESSFUL COMPLETION OF A DEPARTMENT APPROVED TRAINING PROGRAM IN COMPLIANCE OF RESPONSIBLE PERSON DESIGNATION.

**CONSTRUCTION AND STABILIZATION SEQUENCE:**

1. INSTALL SEDIMENT AND EROSION CONTROL MEASURES INCLUDING STRAW BALE DIKES, INLET PROTECTION, SUMP PIT, PORTABLE SEDIMENT TANK, STABILIZED CONSTRUCTION ENTRANCE WITH WASH RACK, TREE PROTECTION, AND SILT FENCE AS INDICATED ON SHEET CIV103 SEE SHEET CIV501 FOR EROSION AND SEDIMENT CONTROL DETAILS.
2. SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND APPROVED BY THE INSPECTOR PRIOR TO COMMENCING ANY OTHER LAND DISTURBING ACTIVITIES.
3. REMOVE ITEMS AS INDICATED ON DEMOLITION PLAN.
4. INSTALL PROPOSED UTILITIES AS INDICATED ON SHEET CIV105.
5. INSTALL SITE IMPROVEMENTS AS INDICATED ON CONSTRUCTION DOCUMENTS FOR THE PROPOSED BUILDING.
6. CONSTRUCT BMPs AS INDICATED ON SHEET CIV701.
7. AT THE COMPLETION OF CONSTRUCTION AND AFTER THE INSPECTOR'S APPROVAL, ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED.

**ENFORCEMENT OF SIGNAGE REQUIREMENT FOR PROJECTS REQUIRING EROSION AND SEDIMENT CONTROL PLANS:**

ALL CONSTRUCTION PROJECTS REQUIRING SOIL EROSION AND SEDIMENT CONTROL (ESC) PLANS MUST POST A DISTRICT-APPROVED SIGN THAT NOTIFIES THE PUBLIC TO CONTACT DOEE IN THE EVENT OF EROSION OR OTHER POLLUTION FROM THE SITE. DOEE HAS INCREASED ITS ENFORCEMENT EFFORTS FOR THIS REQUIREMENT. A LIMITED NUMBER OF PRE-PRINTED SIGNS IS AVAILABLE AT THE DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS AND WILL BE ISSUED AT NO CHARGE WITH APPROVED SOIL EROSION AND SEDIMENT CONTROL PLANS ON A FIRST COME, FIRST SERVED BASIS. AN ELECTRONIC COPY OF THE DISTRICT APPROVED SIGN IS AVAILABLE AT [HTTP://DOEE.DC.GOV/ESC](http://doee.dc.gov/esc).

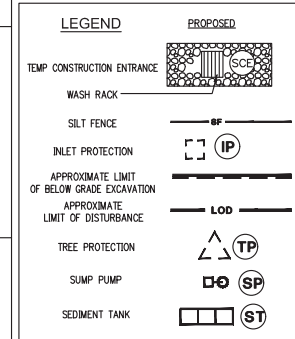
**EROSION AND SEDIMENT CONTROL NOTE:**

1. THE APPLICANT MUST NOTIFY THE DEPARTMENT OF ENERGY AND ENVIRONMENT BY PHONE (202-535-2977) AT LEAST 72 HOURS PRIOR TO THE START OF LAND DISTURBING ACTIVITY AND WITHIN (2) WEEKS AFTER COMPLETION OF PROJECT TO REQUEST INSPECTION IF THERE IS NEED TO MAKE CHANGES OR MODIFICATIONS IN THE APPROVED DESIGN, DEPARTMENT OF ENERGY AND ENVIRONMENT MUST BE NOTIFIED IMMEDIATELY.
2. REMOVAL OF ANY EROSION AND SEDIMENT CONTROL MEASURES REQUIRES APPROVAL FROM DOEE INSPECTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN OF SHEETING AND SHORING AND SUPPORT OF EXISTING UTILITIES AND ADJACENT STRUCTURES. SHORING, BRACING, AND UNDERPINNING DESIGNED BY THE CONTRACTOR'S STRUCTURAL ENGINEER LICENSED IN THE DISTRICT OF COLUMBIA SHALL BE PROVIDED AS NECESSARY TO ENSURE THEIR SUPPORT.
4. PROVIDE SILT FENCE AT PERIMETER OF EXCAVATION AREA TO REMAIN IN PLACE UNTIL BELOW GRADE EXCAVATION HAS BEGUN UNLESS OTHERWISE APPROVED BY THE INSPECTOR.
5. CONTRACTOR TO PROVIDE ON SITE APPROVED STAMPED AND SIGNED SEDIMENTATION AND EROSION CONTROL DRAWINGS BY DEPARTMENT OF ENERGY AND ENVIRONMENT, WATERSHED PROTECTION DIVISION.
6. PROVIDE A CHAIN LINK FENCE AT PERIMETER OF SITE
7. NO LATER THAN THE FIRST DAY OF CONSTRUCTION, INSTALL SITE ACCESS MEASURES TO MINIMIZE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. EACH CONSTRUCTION ENTRANCE MUST BE STABILIZED AND INCLUDE EACH ADDITIONAL MEASURES REQUIRED TO KEEP SEDIMENT FROM BEING CARRIED ONTO PUBLIC STREETS BY CONSTRUCTION VEHICLES AND WASHED INTO A STORM DRAIN OR WATERWAY
8. REMOVE OFF-SITE ACCUMULATIONS OF SEDIMENT DAILY DURING CONSTRUCTION AND IMMEDIATELY AT THE REQUEST OF DOEE INSPECTOR.
9. PERFORM ROUTINE MAINTENANCE TO PREVENT ANY NEW DE-STABILIZATION AREAS.
10. STRAW BALE DIKES WILL BE REPLACED EVERY THREE (3) MONTHS UNTIL COMMENCEMENT OF CONSTRUCTION.

**NOTE:**  
SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE AT THE END OF EACH WORKDAY.

TOTAL SITE AREA: TOTAL SITE AREA: 107,878 SF / 2.477 AC
TOTAL VOLUME OF CUT OF BELOW GRADE EXCAVATION: (P1 - PHASE 1) TOTAL AREA OF EXCAVATION: 37,368 SF / 0.8579 AC VOLUME OF CUT: (37,368) SQ.FT. (AREA) X (13.5) FEET (DEPTH) 27 VOLUME OF CUT: ( 18,684 ) cy +/-
(P1 - PHASE 2) TOTAL AREA OF EXCAVATION: 25,814 SF / 0.5926 AC VOLUME OF CUT: (25,814) SQ.FT. (AREA) X (13.5) FEET (DEPTH) 27 VOLUME OF CUT: ( 12,907 ) cy +/-
P1 TOTAL VOLUME OF CUT: ( 31,591 ) cy +/-
TOTAL VOLUME OF CUT OF BELOW GRADE EXCAVATION: (P2 - PHASE 1) TOTAL AREA OF EXCAVATION: 37,368 SF / 0.8579 AC VOLUME OF CUT: (37,368 SQ.FT. (AREA) X (9) FEET (DEPTH) 27 VOLUME OF CUT: ( 12,456 ) cy +/-
(P2 - PHASE 2) TOTAL AREA OF EXCAVATION: 25,424 SF / 0.5837 AC VOLUME OF CUT: (25,424 SQ.FT. (AREA) X (9) FEET (DEPTH) 27 VOLUME OF CUT: ( 8,475 ) cy +/-
TOTAL VOLUME OF CUT OF BELOW GRADE EXCAVATION: (EX. BASEMENT - PHASE 1) TOTAL AREA OF EXCAVATION: 3,375 SF / 0.0775 AC VOLUME OF CUT: (3,375 SQ.FT. (AREA) X (13.5) FEET (DEPTH) 27 VOLUME OF CUT: ( 1,688 ) cy +/-

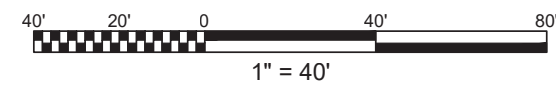
<b>TOTAL VOLUME OF CUT/FILL FOR UTILITIES:</b> TOTAL AREA OF EXCAVATION: 3,101 SF / 0.0712 AC VOLUME OF CUT: (3,101) SQ.FT. (AREA) X (7) FEET (DEPTH) 27 VOLUME OF CUT AND FILL: ( 804 ) cy +/-
<b>TOTAL AREA OF DISTURBANCE:</b> TOTAL AREA OF DISTURBANCE: 154,785 SQUARE FEET OR 3.5534 AC
<b>CONSTRUCTION DATES:</b> THE PROPOSED WORK IS ANTICIPATED TO TAKE APPROXIMATELY 24 MONTHS. EXACT BEGINNING AND END OF CONSTRUCTION IS TO BE ESTABLISHED BY THE OWNER.



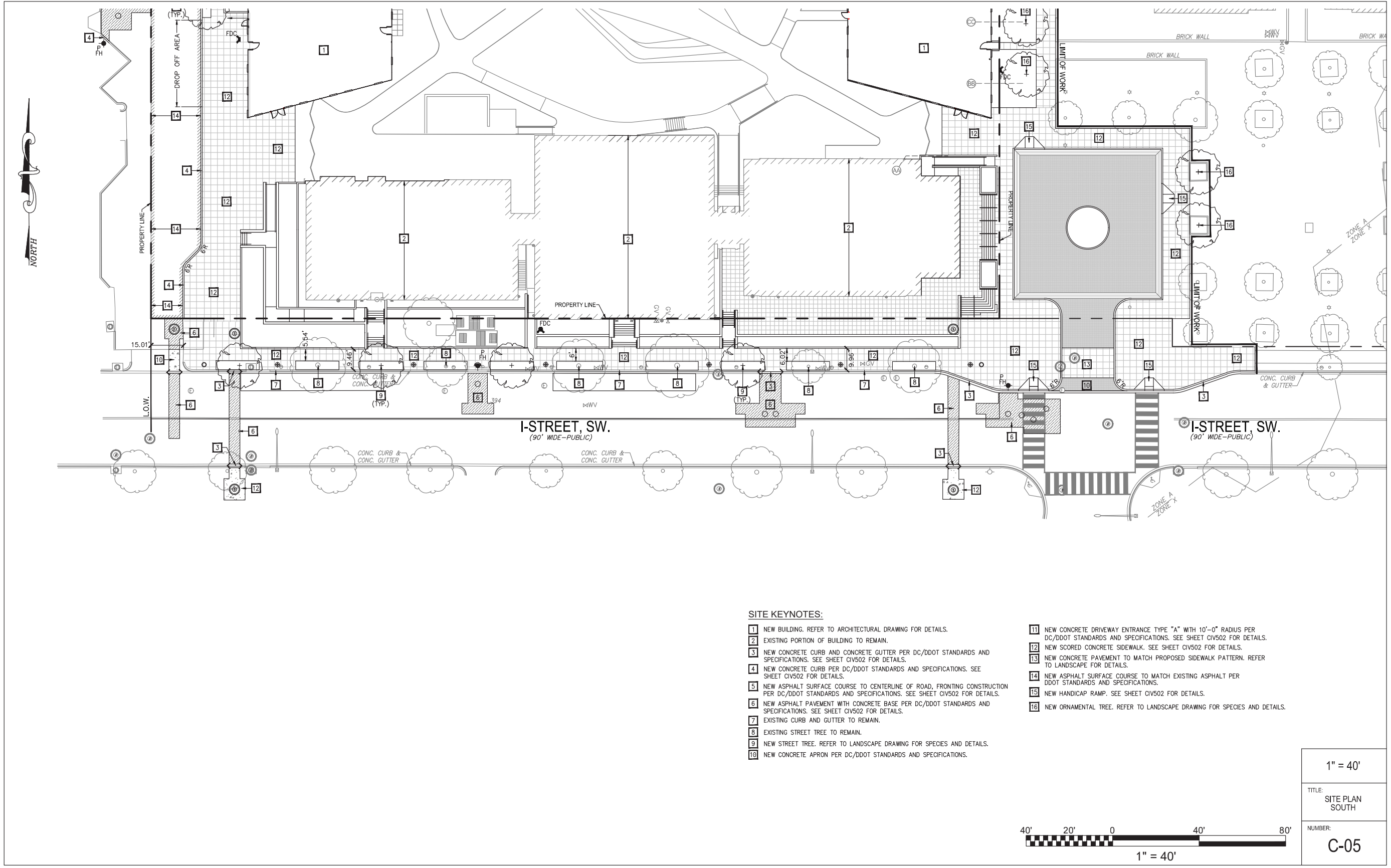
1" = 40'

TITLE: EROSION AND SEDIMENTATION CONTROL PLAN NORTH

NUMBER: C-04



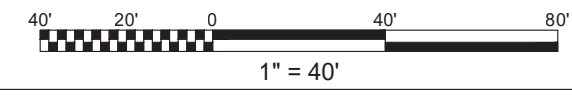
**THIS SHEET IS TO BE USED FOR SEDIMENTATION AND EROSION CONTROL PURPOSES ONLY !!!**

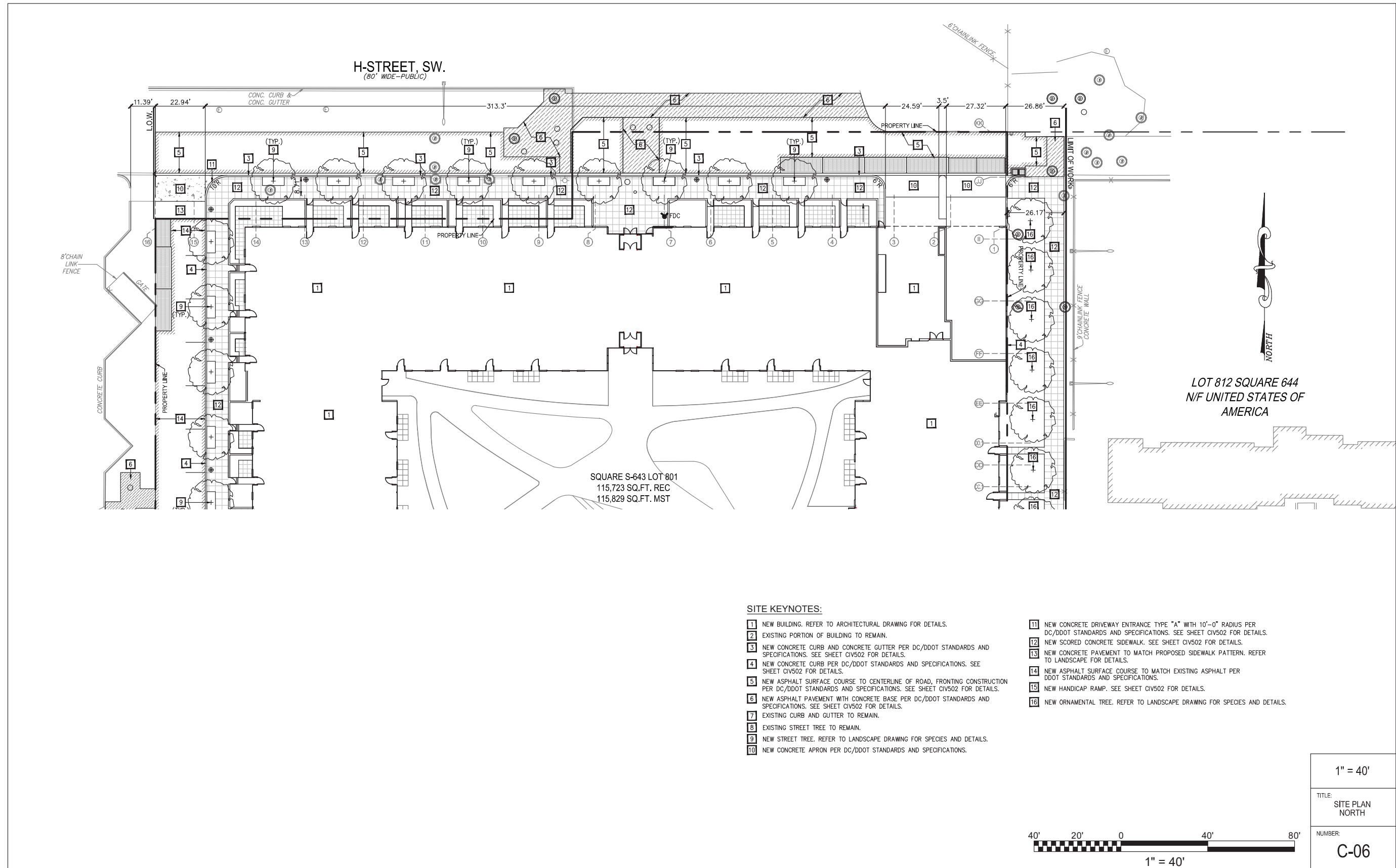


**SITE KEYNOTES:**

- 1 NEW BUILDING. REFER TO ARCHITECTURAL DRAWING FOR DETAILS.
- 2 EXISTING PORTION OF BUILDING TO REMAIN.
- 3 NEW CONCRETE CURB AND CONCRETE GUTTER PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE SHEET CIV502 FOR DETAILS.
- 4 NEW CONCRETE CURB PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE SHEET CIV502 FOR DETAILS.
- 5 NEW ASPHALT SURFACE COURSE TO CENTERLINE OF ROAD, FRONTING CONSTRUCTION PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE SHEET CIV502 FOR DETAILS.
- 6 NEW ASPHALT PAVEMENT WITH CONCRETE BASE PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE SHEET CIV502 FOR DETAILS.
- 7 EXISTING CURB AND GUTTER TO REMAIN.
- 8 EXISTING STREET TREE TO REMAIN.
- 9 NEW STREET TREE. REFER TO LANDSCAPE DRAWING FOR SPECIES AND DETAILS.
- 10 NEW CONCRETE APRON PER DC/DDOT STANDARDS AND SPECIFICATIONS.
- 11 NEW CONCRETE DRIVEWAY ENTRANCE TYPE "A" WITH 10'-0" RADIUS PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE SHEET CIV502 FOR DETAILS.
- 12 NEW SCORED CONCRETE SIDEWALK. SEE SHEET CIV502 FOR DETAILS.
- 13 NEW CONCRETE PAVEMENT TO MATCH PROPOSED SIDEWALK PATTERN. REFER TO LANDSCAPE FOR DETAILS.
- 14 NEW ASPHALT SURFACE COURSE TO MATCH EXISTING ASPHALT PER DC/DDOT STANDARDS AND SPECIFICATIONS.
- 15 NEW HANDICAP RAMP. SEE SHEET CIV502 FOR DETAILS.
- 16 NEW ORNAMENTAL TREE. REFER TO LANDSCAPE DRAWING FOR SPECIES AND DETAILS.

1" = 40'
TITLE: SITE PLAN SOUTH
NUMBER: C-05

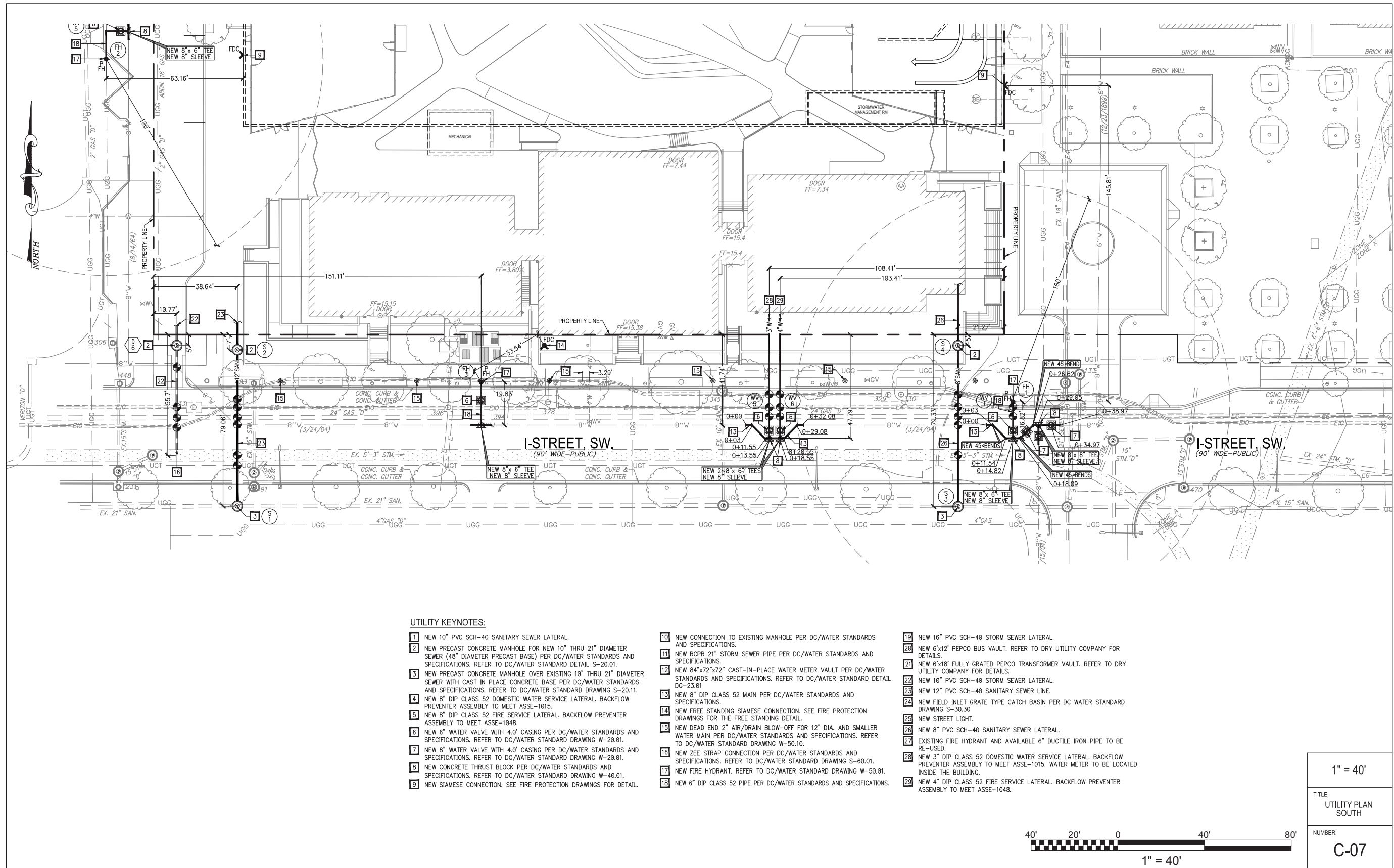




**SITE KEYNOTES:**

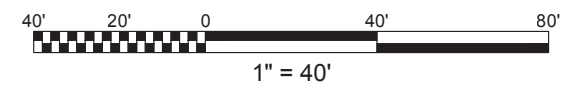
- 1 NEW BUILDING. REFER TO ARCHITECTURAL DRAWING FOR DETAILS.
- 2 EXISTING PORTION OF BUILDING TO REMAIN.
- 3 NEW CONCRETE CURB AND CONCRETE GUTTER PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE SHEET CIV502 FOR DETAILS.
- 4 NEW CONCRETE CURB PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE SHEET CIV502 FOR DETAILS.
- 5 NEW ASPHALT SURFACE COURSE TO CENTERLINE OF ROAD, FRONTING CONSTRUCTION PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE SHEET CIV502 FOR DETAILS.
- 6 NEW ASPHALT PAVEMENT WITH CONCRETE BASE PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE SHEET CIV502 FOR DETAILS.
- 7 EXISTING CURB AND GUTTER TO REMAIN.
- 8 EXISTING STREET TREE TO REMAIN.
- 9 NEW STREET TREE. REFER TO LANDSCAPE DRAWING FOR SPECIES AND DETAILS.
- 10 NEW CONCRETE APRON PER DC/DDOT STANDARDS AND SPECIFICATIONS.
- 11 NEW CONCRETE DRIVEWAY ENTRANCE TYPE "A" WITH 10'-0" RADIUS PER DC/DDOT STANDARDS AND SPECIFICATIONS. SEE SHEET CIV502 FOR DETAILS.
- 12 NEW SCORED CONCRETE SIDEWALK. SEE SHEET CIV502 FOR DETAILS.
- 13 NEW CONCRETE PAVEMENT TO MATCH PROPOSED SIDEWALK PATTERN. REFER TO LANDSCAPE FOR DETAILS.
- 14 NEW ASPHALT SURFACE COURSE TO MATCH EXISTING ASPHALT PER DDOT STANDARDS AND SPECIFICATIONS.
- 15 NEW HANDICAP RAMP. SEE SHEET CIV502 FOR DETAILS.
- 16 NEW ORNAMENTAL TREE. REFER TO LANDSCAPE DRAWING FOR SPECIES AND DETAILS.



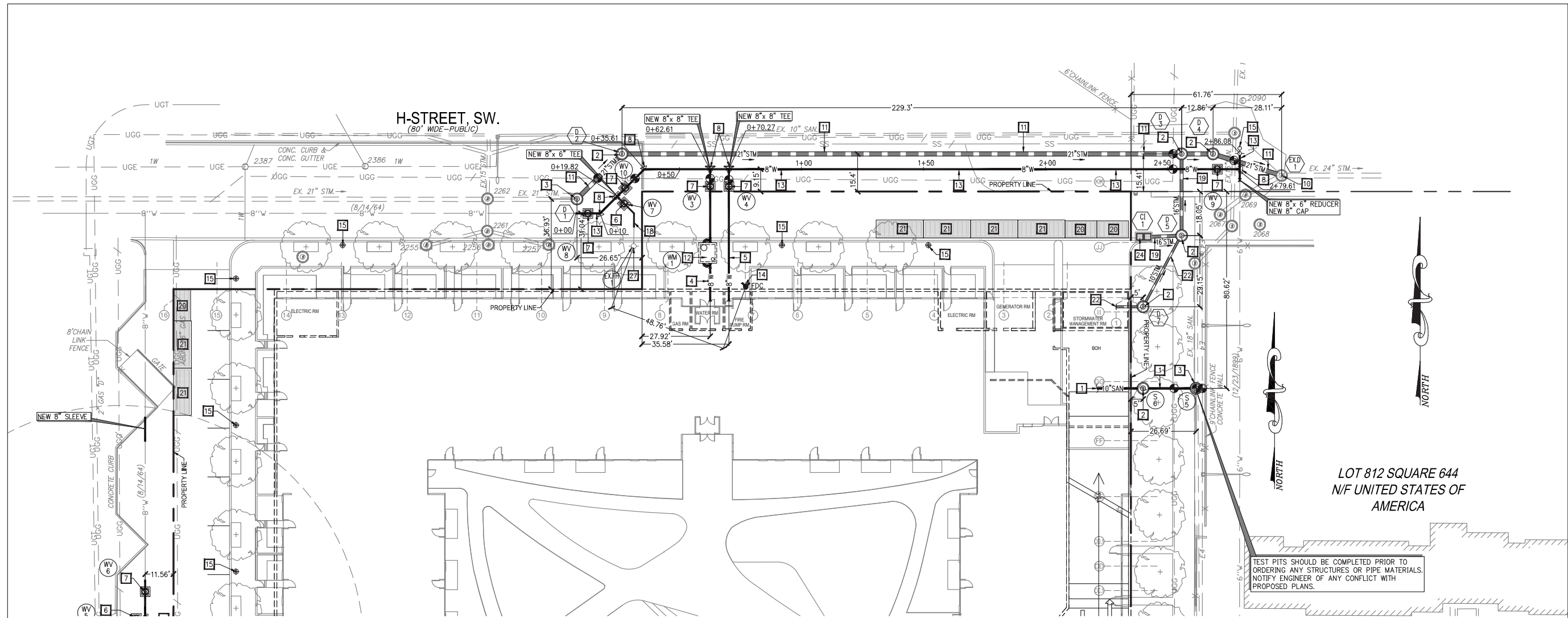


**UTILITY KEYNOTES:**

- 1 NEW 10" PVC SCH-40 SANITARY SEWER LATERAL.
- 2 NEW PRECAST CONCRETE MANHOLE FOR NEW 10" THRU 21" DIAMETER SEWER (48" DIAMETER PRECAST BASE) PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DETAIL S-20.01.
- 3 NEW PRECAST CONCRETE MANHOLE OVER EXISTING 10" THRU 21" DIAMETER SEWER WITH CAST IN PLACE CONCRETE BASE PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DETAIL S-20.11.
- 4 NEW 8" DIP CLASS 52 DOMESTIC WATER SERVICE LATERAL. BACKFLOW PREVENTER ASSEMBLY TO MEET ASSE-1015.
- 5 NEW 8" DIP CLASS 52 FIRE SERVICE LATERAL. BACKFLOW PREVENTER ASSEMBLY TO MEET ASSE-1048.
- 6 NEW 6" WATER VALVE WITH 4.0' CASING PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DRAWING W-20.01.
- 7 NEW 8" WATER VALVE WITH 4.0' CASING PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DRAWING W-20.01.
- 8 NEW CONCRETE THRUST BLOCK PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DRAWING W-40.01.
- 9 NEW SIAMENSE CONNECTION. SEE FIRE PROTECTION DRAWINGS FOR DETAIL.
- 10 NEW CONNECTION TO EXISTING MANHOLE PER DC/WATER STANDARDS AND SPECIFICATIONS.
- 11 NEW RCP 21" STORM SEWER PIPE PER DC/WATER STANDARDS AND SPECIFICATIONS.
- 12 NEW 84"x72"x72" CAST-IN-PLACE WATER METER VAULT PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DETAIL DG-23.01.
- 13 NEW 8" DIP CLASS 52 MAIN PER DC/WATER STANDARDS AND SPECIFICATIONS.
- 14 NEW FREE STANDING SIAMENSE CONNECTION. SEE FIRE PROTECTION DRAWINGS FOR THE FREE STANDING DETAIL.
- 15 NEW DEAD END 2" AIR/DRAIN BLOW-OFF FOR 12" DIA. AND SMALLER WATER MAIN PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DRAWING W-50.10.
- 16 NEW ZEE STRAP CONNECTION PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DRAWING S-60.01.
- 17 NEW FIRE HYDRANT. REFER TO DC/WATER STANDARD DRAWING W-50.01.
- 18 NEW 6" DIP CLASS 52 PIPE PER DC/WATER STANDARDS AND SPECIFICATIONS.
- 19 NEW 16" PVC SCH-40 STORM SEWER LATERAL.
- 20 NEW 6'x12' PEPCO BUS VAULT. REFER TO DRY UTILITY COMPANY FOR DETAILS.
- 21 NEW 6'x18' FULLY GRATED PEPCO TRANSFORMER VAULT. REFER TO DRY UTILITY COMPANY FOR DETAILS.
- 22 NEW 10" PVC SCH-40 STORM SEWER LATERAL.
- 23 NEW 12" PVC SCH-40 SANITARY SEWER LINE.
- 24 NEW FIELD INLET GRATE TYPE CATCH BASIN PER DC WATER STANDARD DRAWING S-30.30.
- 25 NEW STREET LIGHT.
- 26 NEW 8" PVC SCH-40 SANITARY SEWER LATERAL.
- 27 EXISTING FIRE HYDRANT AND AVAILABLE 6" DUCTILE IRON PIPE TO BE RE-USED.
- 28 NEW 3" DIP CLASS 52 DOMESTIC WATER SERVICE LATERAL. BACKFLOW PREVENTER ASSEMBLY TO MEET ASSE-1015. WATER METER TO BE LOCATED INSIDE THE BUILDING.
- 29 NEW 4" DIP CLASS 52 FIRE SERVICE LATERAL. BACKFLOW PREVENTER ASSEMBLY TO MEET ASSE-1048.



1" = 40'
TITLE: UTILITY PLAN SOUTH
NUMBER: C-07



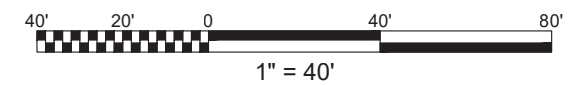
TEST PITS SHOULD BE COMPLETED PRIOR TO ORDERING ANY STRUCTURES OR PIPE MATERIALS. NOTIFY ENGINEER OF ANY CONFLICT WITH PROPOSED PLANS.

**UTILITY KEYNOTES:**

- 1 NEW 10" PVC SCH-40 SANITARY SEWER LATERAL.
- 2 NEW PRECAST CONCRETE MANHOLE FOR NEW 10" THRU 21" DIAMETER SEWER (48" DIAMETER PRECAST BASE) PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DETAIL S-20.01.
- 3 NEW PRECAST CONCRETE MANHOLE OVER EXISTING 10" THRU 21" DIAMETER SEWER WITH CAST IN PLACE CONCRETE BASE PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DETAIL S-20.11.
- 4 NEW 8" DIP CLASS 52 DOMESTIC WATER SERVICE LATERAL. BACKFLOW PREVENTER ASSEMBLY TO MEET ASSE-1015.
- 5 NEW 8" DIP CLASS 52 FIRE SERVICE LATERAL. BACKFLOW PREVENTER ASSEMBLY TO MEET ASSE-1048.
- 6 NEW 6" WATER VALVE WITH 4.0' CASING PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DRAWING W-20.01.
- 7 NEW 8" WATER VALVE WITH 4.0' CASING PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DRAWING W-20.01.
- 8 NEW CONCRETE THRUST BLOCK PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DRAWING W-40.01.
- 9 NEW SIAMESE CONNECTION. SEE FIRE PROTECTION DRAWINGS FOR DETAIL.

- 10 NEW CONNECTION TO EXISTING MANHOLE PER DC/WATER STANDARDS AND SPECIFICATIONS.
- 11 NEW RCPR 21" STORM SEWER PIPE PER DC/WATER STANDARDS AND SPECIFICATIONS.
- 12 NEW 84"x72"x72" CAST-IN-PLACE WATER METER VAULT PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DETAIL DG-23.01.
- 13 NEW 8" DIP CLASS 52 MAIN PER DC/WATER STANDARDS AND SPECIFICATIONS.
- 14 NEW FREE STANDING SIAMESE CONNECTION. SEE FIRE PROTECTION DRAWINGS FOR THE FREE STANDING DETAIL.
- 15 NEW DEAD END 2" AIR/DRAIN BLOW-OFF FOR 12" DIA. AND SMALLER WATER MAIN PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DRAWING W-50.10.
- 16 NEW ZEE STRAP CONNECTION PER DC/WATER STANDARDS AND SPECIFICATIONS. REFER TO DC/WATER STANDARD DRAWING S-60.01.
- 17 NEW FIRE HYDRANT. REFER TO DC/WATER STANDARD DRAWING W-50.01.
- 18 NEW 6" DIP CLASS 52 PIPE PER DC/WATER STANDARDS AND SPECIFICATIONS.

- 19 NEW 16" PVC SCH-40 STORM SEWER LATERAL.
- 20 NEW 6'x12' PEPCO BUS VAULT. REFER TO DRY UTILITY COMPANY FOR DETAILS.
- 21 NEW 6'x18' FULLY GRATED PEPCO TRANSFORMER VAULT. REFER TO DRY UTILITY COMPANY FOR DETAILS.
- 22 NEW 10" PVC SCH-40 STORM SEWER LATERAL.
- 23 NEW 12" PVC SCH-40 SANITARY SEWER LINE.
- 24 NEW FIELD INLET GRATE TYPE CATCH BASIN PER DC WATER STANDARD DRAWING S-30.30.
- 25 NEW STREET LIGHT.
- 26 NEW 8" PVC SCH-40 SANITARY SEWER LATERAL.
- 27 EXISTING FIRE HYDRANT AND AVAILABLE 6" DUCTILE IRON PIPE TO BE RE-USED.
- 28 NEW 3" DIP CLASS 52 DOMESTIC WATER SERVICE LATERAL. BACKFLOW PREVENTER ASSEMBLY TO MEET ASSE-1015. WATER METER TO BE LOCATED INSIDE THE BUILDING.
- 29 NEW 4" DIP CLASS 52 FIRE SERVICE LATERAL. BACKFLOW PREVENTER ASSEMBLY TO MEET ASSE-1048.



1" = 40'
TITLE: UTILITY PLAN NORTH
NUMBER: C-08



<p><b>DETAIL 1 - STABILIZED CONSTRUCTION ENTRANCE</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>LENGTH - MINIMUM OF 50' (30' FOR SINGLE RESIDENCE LOT)</li> <li>WIDTH - 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.</li> <li>GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE. ** THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE.</li> <li>STONE - CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.</li> <li>SURFACE WATER - ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" STONE OVER THE PIPE. WHEN THE SIZE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF WATER TO BE CONVEYED. A 6" MINIMUM WILL BE REQUIRED. THE MOUNTABLE BERM IS REQUIRED ON ALL SITES NOT LOCATED AT A HIGH SPOT.</li> <li>LOCATION - A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 4-1-3, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 4 - SILT FENCE</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>FENCE POSTS SHALL BE A MINIMUM OF 36" LONG DRIVEN 16" MINIMUM INTO THE GROUND. WOOD POSTS SHALL BE 1 1/2" x 1 1/2" SQUARE (MIN) CUT, OR 1 3/4" SQUARE (MIN) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE STANDARD 1" OR 1 1/2" DIA. SCHED. NOT LESS THAN 1.00 POUND PER LINEAR FOOT.</li> <li>GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:</li> <li>WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.</li> <li>SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BRUSHES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 30% FABRIC HEIGHT.</li> </ol> <p>TENSILE STRENGTH: 50 LBS/IN (MIN) TEST: ASTM D-6855  TENSILE MODULUS: 20 LBS/IN (MIN) TEST: ASTM D-6855  FLOW RATE: 0.5 GAL/772/MINUTE (MAX) TEST: ASTM D-5141  FILTERING EFFICIENCY: 75% (MIN) TEST: ASTM D-5141</p> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-3-3, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 6A - STANDARD INLET PROTECTION</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18" BELOW THE NOTCH ELEVATION.</li> <li>DRIVE THE 2' x 4' CONSTRUCTION GRADE LUMBER POSTS 1" INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2' x 4' FRAME USING THE OVERLAP JOINT SHOWN ON DETAIL 6A. THE TOP OF THE FRAME (MIN) MUST BE 6" BELOW ADJACENT ROADWAYS WHERE FLOODING AND SAFETY ISSUES MAY ARISE.</li> <li>STRETCH THE 1/2" x 1/2" WIRE MESH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. THE ENDS MUST MEET AND OVERLAP AT A POST.</li> <li>STRETCH THE GEOTEXTILE CLASS E TIGHTLY OVER THE WIRE MESH WITH THE GEOTEXTILE EXTENDING FROM THE TOP OF THE FRAME TO 18" BELOW THE INLET NOTCH ELEVATION. FASTEN THE GEOTEXTILE FORMAL TO THE FRAME. THE ENDS OF THE GEOTEXTILE MUST MEET AT A POST, BE OVERLAPPED AND FOLDED THEN FASTENED DOWN.</li> <li>BACKFILL AROUND THE INLET IN COMPACTING 6" LAYERS UNTIL THE LAYER OF EARTH IS LEVEL WITH THE NOTCH ELEVATION ON THE ENDS AND TOP ELEVATION ON THE SIDES.</li> <li>IF THE INLET IS NOT IN A SWAMP, CONSTRUCT A COMPACTED EARTH DIKE ACROSS THE DITCH LINE DIRECTLY BELOW IT. THE TOP OF THE EARTH DIKE SHOULD BE AT LEAST 6" HIGHER THAN THE TOP OF THE FRAME.</li> <li>THE STRUCTURE MUST BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND THE GEOTEXTILE REPLACED WHEN IT BECOMES CLOGGED.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-7-5, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 6B - AT GRADE INLET PROTECTION</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>LEFT GRATE AND WRAP WITH GEOTEXTILE CLASS E TO COMPLETELY COVER ALL OPENINGS. THEN SET GRATE BACK IN PLACE.</li> <li>PLACE 3/4" TO 1 1/2" STONE, 4"-6" THICK ON THE GRATE TO SECURE THE FABRIC AND PROVIDE ADDITIONAL FILTRATION.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-7-6, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 6C - CURB INLET PROTECTION (COG OR COS INLETS)</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>ATTACH A CONTINUOUS PIECE OF WIRE MESH (10" MINIMUM WIDTH BY THROAT LENGTH PLUS 4") TO THE 2" x 4" WER (MEASURING THROAT LENGTH PLUS 2") AS SHOWN ON THE STANDARD DRAWING.</li> <li>PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH IT TO THE 2" x 4" WER.</li> <li>SECURELY NAIL THE 2" x 4" WER TO A 6" LONG VERTICAL SPACER TO BE LOCATE BETWEEN THE WER AND THE INLET FACE (MAX. 4" APART).</li> <li>PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2" LENGTHS OF 2" x 4" TO THE TOP OF THE WER AT SPACER LOCATIONS). THESE 2" x 4" ANCHORS SHALL EXTEND ABOVE THE WER AND BE SECURELY ATTACHED TO THE 2" x 4" WER.</li> <li>THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE A MINIMUM 1" BEYOND BOTH ENDS OF THE THROAT OPENING.</li> <li>FORM THE 1/2" x 1/2" WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 3/4" x 1 1/2" STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.</li> <li>THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.</li> <li>ASSURE THAT THE STORM FLOW DOES NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR CONCRETE DIKE TO DIRECT THE FLOW TO THE INLET.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-7-7, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 6E - AT GRADE INLET GUARD</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>THE TOP MEASUREMENT OF 7-1/2" IS SET TO PROVIDE A 2" EXTENSION FOR OVERFLOW WHILE AVOIDING BLOCKAGE OF THE MANHOLE COVER.</li> <li>MAKE A WATER TIGHT CONNECTION ALONG THE SIDES AND BOTTOM OF THE INLET GUARD WITH THE STREET AND CURB.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-7-9, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>
<p><b>DETAIL 9 - EARTH DIKE</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>SEED AND COVER WITH STRAW MULCH.</li> <li>SEED AND COVER WITH SOIL STABILIZATION MATTING OR LINE WITH SOG.</li> <li>4"-7" STONE OR RECYCLED CONCRETE EQUIVALENT PRESSED INTO THE SOIL 7" MINIMUM.</li> </ol> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>ALL TEMPORARY EARTH DIKES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET. SPOT ELEVATIONS MAY BE NECESSARY FOR GRADES LESS THAN 1%.</li> <li>RUNOFF DIVERTED FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.</li> <li>RUNOFF DIVERTED FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED, STABILIZED AREA AT A NON-EROSIVE VELOCITY.</li> <li>ALL TREES, BRUSH, STAMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIKE.</li> <li>THE DIKE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS-SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPED NORMAL FLOW.</li> <li>FILL SHALL BE COMPACTED BY EARTH MOWING EQUIPMENT.</li> <li>ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIKE.</li> <li>INSPECTION AND MAINTENANCE MUST BE PROVIDED PERIODICALLY AND AFTER EACH RAIN EVENT.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-10-8, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 11 - PERIMETER DIKE / SWALE</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>ALL PERIMETER DIKE/SWALES SHALL HAVE AN UNINTERRUPTED POSITIVE GRADE TO AN OUTLET. SPOT ELEVATIONS MAY BE NECESSARY FOR GRADES LESS THAN 1%.</li> <li>RUNOFF DIVERTED FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.</li> <li>RUNOFF DIVERTED FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED, STABILIZED AREA AT A NON-EROSIVE VELOCITY.</li> <li>THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS-SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.</li> <li>FILL SHALL BE COMPACTED BY EARTH MOWING EQUIPMENT.</li> <li>STABILIZATION WITH SEED AND MULCH OR AS SPECIFIED OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE COMPLETED WITHIN 7 DAYS UPON REMOVAL.</li> <li>INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT. NOTE: THE MAXIMUM DRAINAGE FOR THIS PRACTICE IS 2 ACRES.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-10-4, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 12 - PIPE OUTLET SEDIMENT TRAP - ST I</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.</li> <li>THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.</li> <li>THE TOTAL VOLUME AS MEASURED FROM THE BOTTOM TO RISER CREST ELEVATION SHALL BE 3600 CUBIC FEET PER ACRE OF DRAINAGE AREA (SEE TABLE 11). THE TOP OF EMBANKMENT MUST BE 2" ABOVE THE RISER CREST ELEVATION.</li> <li>SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF OF THE NET STORAGE DEPTH OF THE TRAP (900 C/AC). THE SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.</li> <li>THE STRUCTURE SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND REPAIRS.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-11-1, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>PIPE OUTLET SEDIMENT TRAP - ST II</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE ABATED. ONCE CONSTRUCTED, THE TOP AND OUTSIDE FACE OF THE EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH. POINTS OF CONCENTRATED INFLOW SHALL BE PROTECTED IN ACCORDANCE WITH GRADE STABILIZATION STRUCTURE CRITERIA. THE REMAINDER OF THE INTERIOR SLOPES SHOULD BE STABILIZED (ONE TIME) WITH SEED AND MULCH UPON TRAP COMPLETION AND MONITORED AND MAINTAINED CROSSLY FREE DURING THE LIFE OF THE TRAP.</li> <li>THE STRUCTURE SHALL BE REMOVED AND AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.</li> <li>ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.</li> <li>ALL PIPE CONNECTIONS SHALL BE WATER TIGHT.</li> <li>ABOVE THE NET STORAGE ELEVATION, THE RISER SHALL BE PERFORATED WITH 1/2" WIDE BY 6" LONG SLOTS OR 1" DIAMETER HOLES SPACED 6" VERTICALLY AND HORIZONTALLY. NO PERFORATIONS WILL BE ALLOWED WITHIN 6" OF THE HORIZONTAL BARREL.</li> <li>THE RISER SHALL BE WRAPPED WITH 1/2" HARDWARE CLOTH (WIRE) THEN WRAPPED WITH GEOTEXTILE CLASS E. THE FILTER CLOTH SHALL EXTEND 6" ABOVE THE HIGHEST SULT AND 6" BELOW THE LOWEST SULT. WHERE ENDS OF FILTER CLOTH COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND FASTENED TO PREVENT BYPASS. FILTER CLOTH SHALL BE REPLACED AS NECESSARY TO PREVENT CLOGGING.</li> <li>STRAPS OR CONNECTING BANDS SHALL BE USED TO HOLD THE FILTER CLOTH AND WIRE MESH IN PLACE. THEY SHALL BE PLACED AT THE TOP AND BOTTOM OF THE CLOTH.</li> <li>FILL MATERIAL AROUND THE PIPE SPILLWAY SHALL BE HAND COMPACTED IN 4" LAYERS. A MINIMUM OF 2" OF HAND-COMPACTED BACKFILL SHALL BE PLACED OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.</li> <li>THE RISER SHALL BE ANCHORED WITH EITHER A CONCRETE BASE OR STEEL PLATE BASE TO PREVENT FLOTATION. CONCRETE BASES SHALL BE AT LEAST TWICE THE RISER DIAMETER. 1/4" MINIMUM THICKNESS AND ATTACHED TO THE BOTTOM OF THE RISER BY A CONCRETE WELD TO FORM A WATER TIGHT CONNECTION. THEN PLACE 2" OF STONE, GRAVEL OR TAMPED EARTH ON THE PLATE.</li> <li>ANTI SEEP COLLARS SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLANS (REF. TABLE 18 AND DETAILS 17 AND 18).</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-11-6, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 13 - STONE OUTLET SEDIMENT TRAP - ST II</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.</li> <li>THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.</li> <li>ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.</li> <li>THE STONE USED IN THE OUTLET SHALL BE SMALL RIP-RAP 4" TO 7" IN SIZE WITH A 1" THICK LAYER OF 3/4" TO 1 1/2" WASHED AGGREGATE PLACED ON THE UPSTREAM FACE OF THE OUTLET. STONE FACING SHALL BE AS NECESSARY TO PREVENT CLOGGING. GEOTEXTILE CLASS E MAY BE SUBSTITUTED FOR THE STONE FACING BY PLACING IT ON THE INSIDE FACE OF THE STONE OUTLET.</li> <li>SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF OF THE NET STORAGE DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-11-12, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>STONE OUTLET SEDIMENT TRAP - ST II</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>CONSTRUCTION OF TRAPS SHALL BE CARRIED OUT IN SUCH A MANNER THAT SEDIMENT POLLUTION IS ABATED. ONCE CONSTRUCTED, THE TOP AND OUTSIDE FACE OF THE EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH. POINTS OF CONCENTRATED INFLOW SHALL BE PROTECTED IN ACCORDANCE WITH GRADE STABILIZATION STRUCTURE CRITERIA. THE REMAINDER OF THE INTERIOR SLOPES SHOULD BE STABILIZED (ONE TIME) WITH SEED AND MULCH UPON TRAP COMPLETION AND MONITORED AND MAINTAINED CROSSLY FREE DURING THE LIFE OF THE TRAP.</li> <li>THE STRUCTURE SHALL BE DEMATERED BY APPROVED METHODS, REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.</li> <li>REFER TO SECTION G FOR SPECIFICATIONS CONCERNING TRAP DEMATERING.</li> <li>MINIMUM TRAP DEPTH SHALL BE MEASURED FROM THE WER ELEVATION.</li> <li>THE ELEVATION OF THE TOP OF ANY DIKE DIRECTING WATER INTO THE TRAP MUST EQUAL OR EXCEED THE ELEVATION OF THE TRAP EMBANKMENT.</li> <li>GEOTEXTILE CLASS E SHALL BE PLACED OVER THE BOTTOM AND SIDES OF THE OUTLET CHANNEL PRIOR TO THE PLACEMENT OF STONE. SECTIONS OF FILTER CLOTH MUST OVERLAP AT LEAST 1" WITH THE SECTION NEAREST THE ENTRANCE PLACED ON TOP. THE FILTER CLOTH SHALL BE EMBEDDED AT LEAST 6" INTO EXISTING GROUND AT THE ENTRANCE OF THE OUTLET CHANNEL.</li> <li>AN OUTLET SHALL BE PROVIDED, INCLUDING A MEANS OF CONVEYING THE DISCHARGE IN AN EROSION FREE MANNER TO AN EXISTING STABLE CHANNEL.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-11-12, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>
<p><b>DETAIL 14 - RIP-RAP OUTLET SEDIMENT TRAP - ST III</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>THE AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.</li> <li>THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED. MAXIMUM HEIGHT OF EMBANKMENT SHALL BE 4', MEASURED AT CENTERLINE OF EMBANKMENT.</li> <li>ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.</li> <li>ELEVATION OF THE TOP OF ANY DIKE DIRECTING WATER INTO TRAP MUST EQUAL OR EXCEED THE HEIGHT OF TRAP EMBANKMENT.</li> <li>STORAGE AREA PROVIDED SHALL BE FIGURED BY COMPUTING THE VOLUME MEASURED FROM TOP OF EXCAVATION. (FOR STORAGE REQUIREMENTS SEE TABLE 12).</li> <li>GEOTEXTILE CLASS E SHALL BE PLACED OVER THE BOTTOM AND SIDES OF THE OUTLET CHANNEL PRIOR TO PLACEMENT OF STONE. SECTION OF FABRIC MUST OVERLAP AT LEAST 1" WITH SECTION NEAREST THE ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST 6" INTO EXISTING GROUND AT ENTRANCE OF OUTLET CHANNEL.</li> <li>STONE USED IN THE OUTLET CHANNEL SHALL BE 4" - 12" PLACED 18" THICK.</li> <li>OUTLET - AN OUTLET SHALL BE PROVIDED, WHICH INCLUDES A MEANS OF CONVEYING THE DISCHARGE IN AN EROSION FREE MANNER TO AN EXISTING STABLE CHANNEL. PROTECTION AGAINST SCOUR AT THE DISCHARGE END SHALL BE PROVIDED AS NECESSARY.</li> <li>OUTLET CHANNEL MUST HAVE POSITIVE DRAINAGE FROM THE TRAP.</li> <li>SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/4 OF THE NET STORAGE DEPTH OF THE TRAP (1350 C/AC). REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.</li> <li>THE STRUCTURE SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND REPAIRED AS NEEDED.</li> <li>CONSTRUCTION OF TRAPS SHALL BE CARRIED OUT IN SUCH A MANNER THAT SEDIMENT POLLUTION IS ABATED. ONCE CONSTRUCTED, THE TOP AND OUTSIDE FACE OF THE EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH. POINTS OF CONCENTRATED INFLOW SHALL BE PROTECTED IN ACCORDANCE WITH GRADE STABILIZATION STRUCTURE CRITERIA. THE REMAINDER OF THE INTERIOR SLOPES SHOULD BE STABILIZED (ONE TIME) WITH SEED AND MULCH UPON TRAP COMPLETION AND MONITORED AND MAINTAINED CROSSLY FREE DURING THE LIFE OF THE TRAP.</li> <li>THE STRUCTURE SHALL BE DEMATERED BY APPROVED METHODS, REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-14-15, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>RIP-RAP OUTLET SEDIMENT TRAP - ST III</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>THE AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.</li> <li>THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.</li> <li>ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.</li> <li>ELEVATION OF THE TOP OF ANY DIKE DIRECTING WATER INTO TRAP MUST EQUAL OR EXCEED THE HEIGHT OF TRAP EMBANKMENT.</li> <li>STORAGE AREA PROVIDED SHALL BE FIGURED BY COMPUTING THE VOLUME MEASURED FROM TOP OF EXCAVATION. (FOR STORAGE REQUIREMENTS SEE TABLE 12).</li> <li>GEOTEXTILE CLASS E SHALL BE PLACED OVER THE BOTTOM AND SIDES OF THE OUTLET CHANNEL PRIOR TO PLACEMENT OF STONE. SECTION OF FABRIC MUST OVERLAP AT LEAST 1" WITH SECTION NEAREST THE ENTRANCE PLACED ON TOP. FABRIC SHALL BE EMBEDDED AT LEAST 6" INTO EXISTING GROUND AT ENTRANCE OF OUTLET CHANNEL.</li> <li>STONE USED IN THE OUTLET CHANNEL SHALL BE 4" - 12" PLACED 18" THICK.</li> <li>OUTLET - AN OUTLET SHALL BE PROVIDED, WHICH INCLUDES A MEANS OF CONVEYING THE DISCHARGE IN AN EROSION FREE MANNER TO AN EXISTING STABLE CHANNEL. PROTECTION AGAINST SCOUR AT THE DISCHARGE END SHALL BE PROVIDED AS NECESSARY.</li> <li>OUTLET CHANNEL MUST HAVE POSITIVE DRAINAGE FROM THE TRAP.</li> <li>SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/4 OF THE NET STORAGE DEPTH OF THE TRAP (1350 C/AC). REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.</li> <li>THE STRUCTURE SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND REPAIRED AS NEEDED.</li> <li>CONSTRUCTION OF TRAPS SHALL BE CARRIED OUT IN SUCH A MANNER THAT SEDIMENT POLLUTION IS ABATED. ONCE CONSTRUCTED, THE TOP AND OUTSIDE FACE OF THE EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH. POINTS OF CONCENTRATED INFLOW SHALL BE PROTECTED IN ACCORDANCE WITH GRADE STABILIZATION STRUCTURE CRITERIA. THE REMAINDER OF THE INTERIOR SLOPES SHOULD BE STABILIZED (ONE TIME) WITH SEED AND MULCH UPON TRAP COMPLETION AND MONITORED AND MAINTAINED CROSSLY FREE DURING THE LIFE OF THE TRAP.</li> <li>THE STRUCTURE SHALL BE DEMATERED BY APPROVED METHODS, REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-14-16, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 22 - SEDIMENT BASIN/TRAP BAFFLES</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>CONSTRUCTION OF TRAPS SHALL BE CARRIED OUT IN SUCH A MANNER THAT SEDIMENT POLLUTION IS ABATED. ONCE CONSTRUCTED, THE TOP AND OUTSIDE FACE OF THE EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH. POINTS OF CONCENTRATED INFLOW SHALL BE PROTECTED IN ACCORDANCE WITH GRADE STABILIZATION STRUCTURE CRITERIA. THE REMAINDER OF THE INTERIOR SLOPES SHOULD BE STABILIZED (ONE TIME) WITH SEED AND MULCH UPON TRAP COMPLETION AND MONITORED AND MAINTAINED CROSSLY FREE DURING THE LIFE OF THE TRAP.</li> <li>THE STRUCTURE SHALL BE DEMATERED BY APPROVED METHODS, REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-21-32, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 34 - PORTABLE SEDIMENT TANK (HORIZONTAL)</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>THE FOLLOWING FORMULA SHOULD BE USED IN DETERMINING THE STORAGE VOLUME OF THE SEDIMENT TANK. 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP DISCHARGE CAPACITY.</li> <li>AN EXAMPLE OF A TYPICAL SEDIMENT TANK IS SHOWN ABOVE. OTHER CONTAINER DESIGNS CAN BE USED IF THE STORAGE VOLUME IS ADEQUATE AND APPROVAL IS OBTAINED FROM THE LOCAL APPROVING AGENCY.</li> <li>TANKS MAY BE CONNECTED IN SERIES.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-26-3, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 35 - PORTABLE SEDIMENT TANK (VERTICAL)</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>THE FOLLOWING FORMULA SHOULD BE USED IN DETERMINING THE STORAGE VOLUME OF THE SEDIMENT TANK. 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP DISCHARGE CAPACITY.</li> <li>AN EXAMPLE OF A TYPICAL SEDIMENT TANK IS SHOWN ABOVE. OTHER CONTAINER DESIGNS CAN BE USED IF THE STORAGE VOLUME IS ADEQUATE AND APPROVAL IS OBTAINED FROM THE LOCAL APPROVING AGENCY.</li> <li>TANKS MAY BE CONNECTED IN SERIES.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-26-4, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>	<p><b>DETAIL 74 - TREE PROTECTION</b></p> <p><b>CONSTRUCTION SPECIFICATIONS</b></p> <ol style="list-style-type: none"> <li>ALL PROTECTIVE FENCING SHALL EXTEND BEYOND THE TREE DRIFLINE.</li> <li>ALL PROTECTIVE FENCING SHALL EXTEND BEYOND THE TREE DRIFLINE.</li> <li>FINAL GRADE SHALL BE MAINTAINED.</li> <li>EXCESSIVE CUT AND FILL WILL KILL THIS TREE.</li> <li>PROPER PROCEDURE.</li> </ol> <p>U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCE CONSERVATION SERVICE, PAGE 8-42-3, WATERSHED PROTECTION DIVISION, DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH</p>

NTS  
TITLE: EROSION AND SEDIMENTATION CONTROL DETAILS  
NUMBER: C-09





# LEED 2009 for New Construction and Major Renovations

## Project Checklist

Randall School- Museum

November 12, 2013 - Revised PUD Submission

### 18 5 3 Sustainable Sites Possible Points: 26

Y	?	N			
Y			Prereq 1	Construction Activity Pollution Prevention	
1			Credit 1	Site Selection	1
5			Credit 2	Development Density and Community Connectivity	5
		1	Credit 3	Brownfield Redevelopment	1
6			Credit 4.1	Alternative Transportation—Public Transportation Access	6
1			Credit 4.2	Alternative Transportation—Bicycle Storage and Changing Rooms	1
2	1		Credit 4.3	Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles	3
2			Credit 4.4	Alternative Transportation—Parking Capacity	2
		1	Credit 5.1	Site Development—Protect or Restore Habitat	1
		1	Credit 5.2	Site Development—Maximize Open Space	1
	1		Credit 6.1	Stormwater Design—Quantity Control	1
1			Credit 6.2	Stormwater Design—Quality Control	1
	1		Credit 7.1	Heat Island Effect—Non-roof	1
	1		Credit 7.2	Heat Island Effect—Roof	1
	1		Credit 8	Light Pollution Reduction	1

### 4 5 1 Water Efficiency Possible Points: 10

Y	?	N			
Y			Prereq 1	Water Use Reduction—20% Reduction	
2	2		Credit 1	Water Efficient Landscaping	2 to 4
	2		Credit 2	Innovative Wastewater Technologies	2
2	1	1	Credit 3	Water Use Reduction	2 to 4

### 12 14 9 Energy and Atmosphere Possible Points: 35

Y	?	N			
Y			Prereq 1	Fundamental Commissioning of Building Energy Systems	
Y			Prereq 2	Minimum Energy Performance	
Y			Prereq 3	Fundamental Refrigerant Management	
7	12		Credit 1	Optimize Energy Performance	1 to 19
		7	Credit 2	On-Site Renewable Energy	1 to 7
2			Credit 3	Enhanced Commissioning	2
		2	Credit 4	Enhanced Refrigerant Management	2
3			Credit 5	Measurement and Verification	3
	2		Credit 6	Green Power	2

### 5 6 3 Materials and Resources Possible Points: 14

Y	?	N			
Y			Prereq 1	Storage and Collection of Recyclables	
	1	2	Credit 1.1	Building Reuse—Maintain Existing Walls, Floors, and Roof	1 to 3
		1	Credit 1.2	Building Reuse—Maintain 50% of Interior Non-Structural Elements	1
2			Credit 2	Construction Waste Management	1 to 2
1	1		Credit 3	Materials Reuse	1 to 2

### Materials and Resources, Continued

Y	?	N			
1	1		Credit 4	Recycled Content	1 to 2
1	1		Credit 5	Regional Materials	1 to 2
	1		Credit 6	Rapidly Renewable Materials	1
	1		Credit 7	Certified Wood	1

### 8 7 Indoor Environmental Quality Possible Points: 15

Y	?	N			
Y			Prereq 1	Minimum Indoor Air Quality Performance	
Y			Prereq 2	Environmental Tobacco Smoke (ETS) Control	
1			Credit 1	Outdoor Air Delivery Monitoring	1
	1		Credit 2	Increased Ventilation	1
1			Credit 3.1	Construction IAQ Management Plan—During Construction	1
1			Credit 3.2	Construction IAQ Management Plan—Before Occupancy	1
1			Credit 4.1	Low-Emitting Materials—Adhesives and Sealants	1
1			Credit 4.2	Low-Emitting Materials—Paints and Coatings	1
1			Credit 4.3	Low-Emitting Materials—Flooring Systems	1
	1		Credit 4.4	Low-Emitting Materials—Composite Wood and Agrifiber Products	1
1			Credit 5	Indoor Chemical and Pollutant Source Control	1
	1		Credit 6.1	Controllability of Systems—Lighting	1
	1		Credit 6.2	Controllability of Systems—Thermal Comfort	1
	1		Credit 7.1	Thermal Comfort—Design	1
1			Credit 7.2	Thermal Comfort—Verification	1
	1		Credit 8.1	Daylight and Views—Daylight	1
1			Credit 8.2	Daylight and Views—Views	1

### 1 1 4 Innovation and Design Process Possible Points: 6

Y	?	N			
	1		Credit 1.1	Innovation in Design: Transportation Management Plan	1
		1	Credit 1.2	Innovation in Design: Specific Title	1
		1	Credit 1.3	Innovation in Design: Specific Title	1
		1	Credit 1.4	Innovation in Design: Specific Title	1
		1	Credit 1.5	Innovation in Design: Specific Title	1
1			Credit 2	LEED Accredited Professional	1

### Regional Priority Credits Possible Points: 4

Y	?	N			
		1	Credit 1.1	WEc2 - receive added point if this credit is achieved	1
		1	Credit 1.2	SSc5.1, SSc6.1 - not possible	1
		1	Credit 1.3	EAc1, EAc2 - probably not possible	1
		1	Credit 1.4	MR1.1 - not possible - demolishing too much	1

### 48 38 24 Total Possible Points: 110

Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110