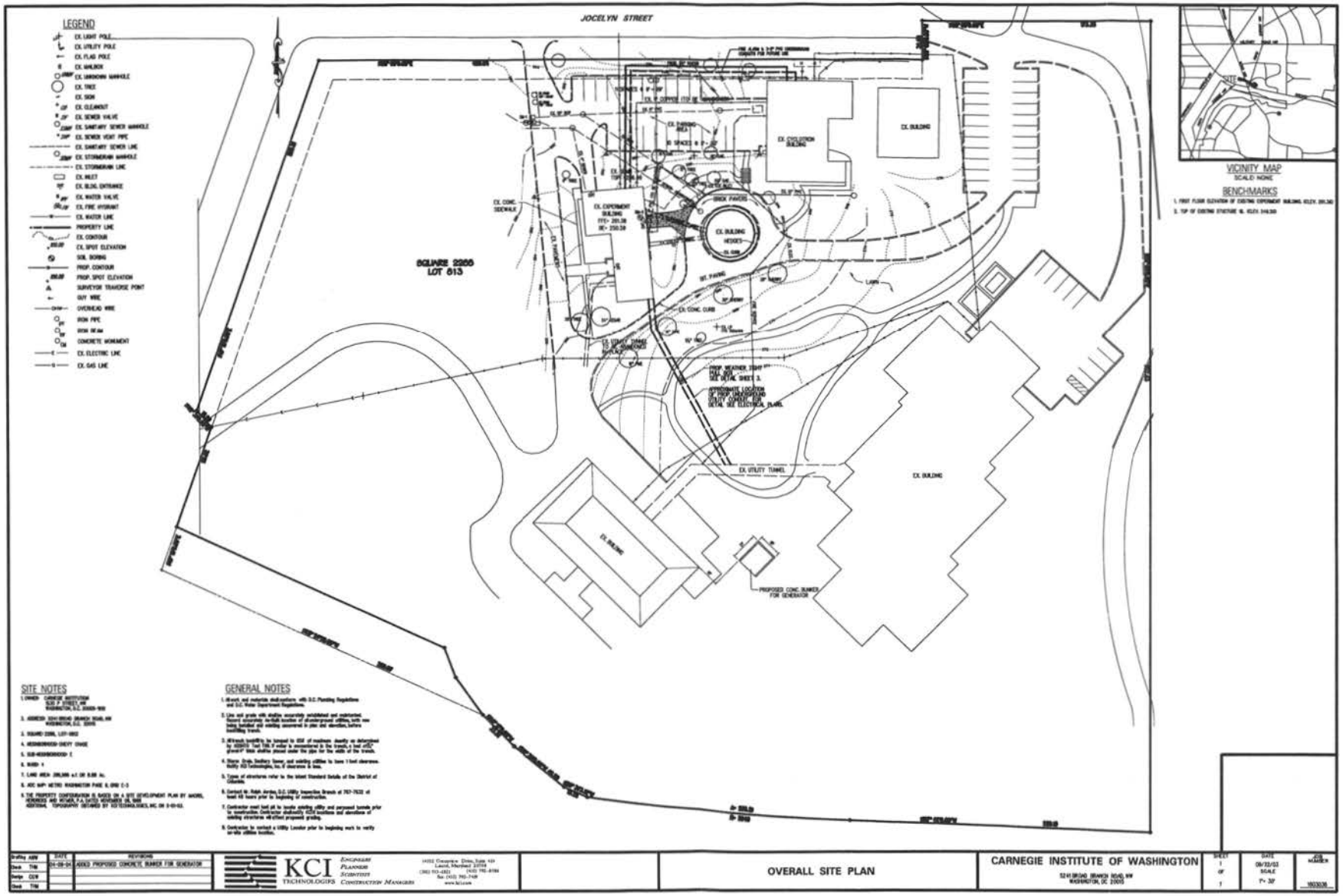
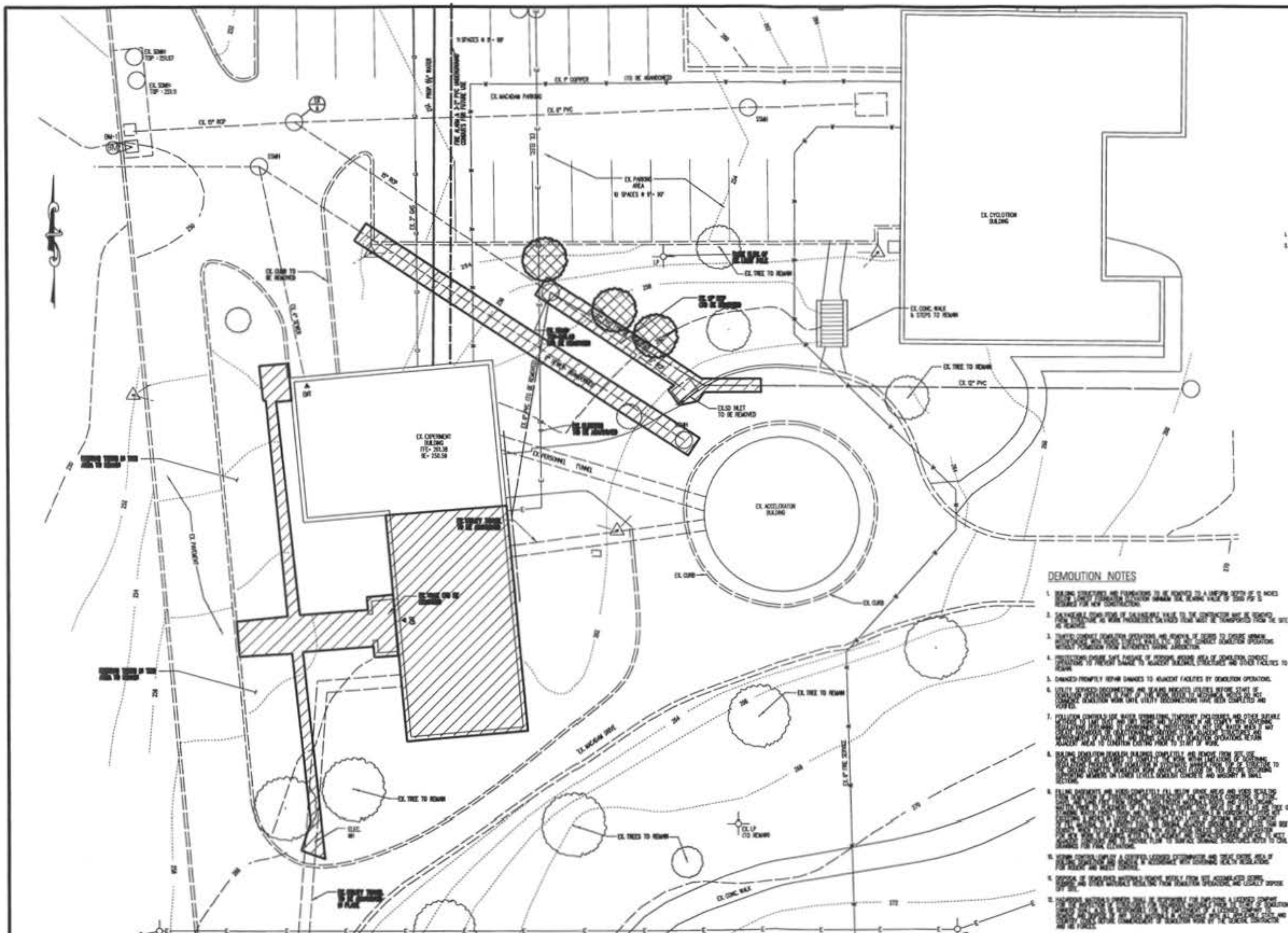



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ZONING COMMISSION
District of Columbia
CASE NO.04-12
EXHIBIT NO.7







VICINITY MAP
SCALE: NONE

BENCHMARKS

1. FIRST FLOOR ELEVATION OF EXISTING EXPERIMENT BUILDING. ELEV. 251.38
2. TOP OF EXISTING STRUCTURE 16. ELEV. 248.50

LEGEND

| | |
|---|---|
| EX. | EXISTING |
| PROP. | PROPOSED |
| | EX. LIGHT POLE |
| | PROP. LIGHT POLE |
| | PROP. WALKWAY LIGHT |
| | PROP. FLOOD LIGHT |
| | EX. UTILITY POLE |
| | EX. FLAG POLE |
| | EX. MAILBOX |
| | EX. UNKNOWN MANHOLE |
| | EX. TREE |
| | EX. SIGN |
| | EX. CLEANOUT |
| | EX. SEWER VALVE |
| | EX. SANITARY SEWER MANHOLE |
| | EX. SEWER VENT PIPE |
| | EX. SANITARY SEWER LINE |
| | EX. STORMDRAIN MANHOLE |
| | EX. STORMDRAIN LINE |
| | EX. INLET |
| | PROP. STORMDRAIN |
| | EX. WATER VALVE |
| | EX. FIRE HYDRANT |
| | EX. WATER LINE |
| | PROPERTY LINE |
| | EX. CONTOUR |
| | EX. SPOT ELEVATION |
| | SOIL BORING |
| | PROP. CONTOUR |
| | PROP. SPOT ELEVATION |
| | SURVEYOR TRAVERSE POINT |
| | GUY WIRE |
| | OVERHEAD WIRE |
| | IRON PIPE |
| | IRON BEAM |
| | CONCRETE MONUMENT |
| | EX. ELECTRIC LINE |
| | EX. GAS LINE |
| | DOWN SPOUT |
| | PROPOSED PORCH COLUMNS |
| | PROPOSED PVC ROOF DRAIN |
| | EX. UTILITIES/STRUCTURES TO BE REMOVED, CAPPED OR GROUTED IN PLACE |
| | EX. TREE(S) TO BE REMOVED |

DEMOLITION NOTES

1. [illegible]
2. [illegible]
3. [illegible]
4. [illegible]
5. DAMAGED: PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.
6. [illegible]
7. [illegible]
8. [illegible]
9. [illegible]
10. [illegible]
11. [illegible]
12. [illegible]

| | | | |
|---|---|---|---|
| Drafting ABW | DATE | REVISIONS | |
| Check THM | 04-08-04 | REV. TO SHOW REMOVAL OF SD EX. INLET | |
| Design CEW | | | |
| Check THM | | | |

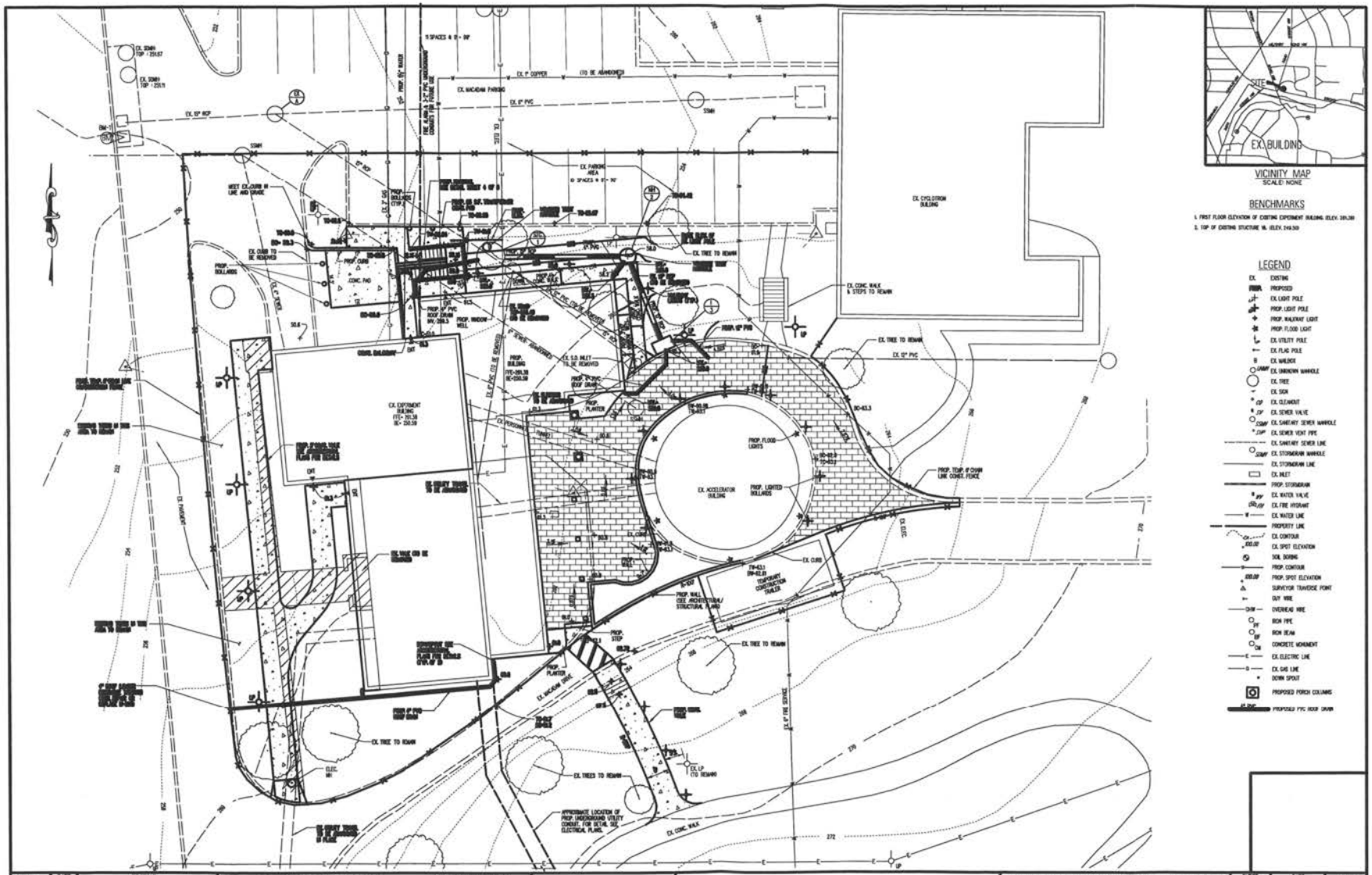
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**DEMOLITION PLAN**

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WASHINGTON, DC 20015

SHEET 2 OF 7 | DATE 09/22/03 | SCALE 1"= 10' | JOB NUMBER 1603036

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| Drafting | AMW |
|---|---|
| Check | TRM |
| Design | DEW |
| Check | TRM |

| DATE | REVISIONS |
|---|---|
| 4-07-04 | REMOVED CONC. WALL ALONG PARKING LOT, REV. TO CONC. STEPS AND CONC. WALK, ADDED WINDOW WELL |

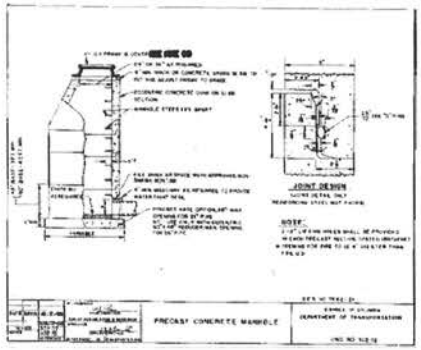
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14502 Greenview Drive, Suite 404, Laurel, Maryland 20708
(301) 953-4821 (410) 792-8104 Fax (410) 792-7449 www.kci.com

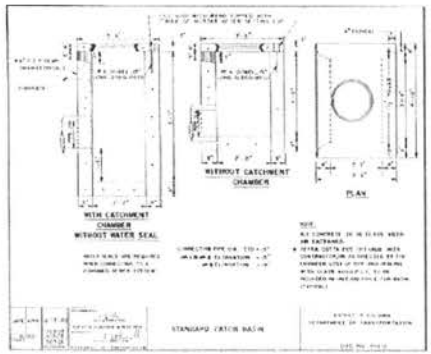
**PROPOSED SITE PLAN**

**CARNEGIE INSTITUTE OF WASHINGTON**
3241 BRIGHAM BRANCH ROAD, NW
WASHINGTON, DC 20015

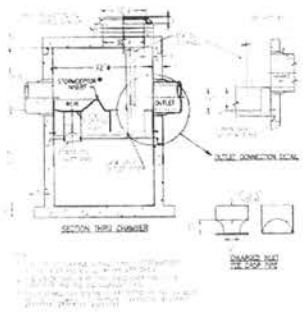
| SHEET | DATE | JOB NUMBER |
|---|---|---|
| 3 OF 7 | 09/22/03 SCALE 1" = 10' | 1603036 |

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**NEC 1200 Precast Concrete Stormceptor®**
**1200 US Gallon Capacity**




## Concrete Stormceptor® Order Request Form*

Contractor Information

Name
Address
City
State
Zip Code
Contact
Phone
Fax

Owner Information

Name
Phone
Fax

Stormceptor® Model

| | |
|---|---|
| 900 ☐ | 3600 ☐ |
| 1200 ☐ | 4800 ☐ |
| 1800 ☐ | 6000 ☐ |
| 2400 ☐ | 7200 ☐ |

Inlet Size

| | |
|---|---|
| DI(s): | |
| 12" ☐ | |
| 15" ☐ | |
| 18" ☐ | |
| Circular ☐ | |

Manhole Diameter
Finish Pipe Elevations (ft)
Top Slab Elevation (ft)
Inlet Pipe Invert (ft)
Outlet Pipe Invert (ft)
Pipe Type
Pipe Inside Diam. (in) (ID)
Pipe Outside Diam. (in) (OD)

Project Name: CARNEGIE INSTITUTE
Approximate Time Frame for Required Delivery (weeks)
Delivery Address - Street
City / State / Zip Code
Designer Company: KCI TECHNOLOGIES, INC.
Designer Contact: TIM MILLER Phone: 301-317-7900 Fax: 410-792-7419

*Please fax this order to Hydro Conduit c/o Camtek at (412) 795-2931*
*Attention: Andrew Vlcnick Phone (412) 795-9223*
*For Technical Assistance Please Call Stormceptor Corporation at*
*(301) 762-8361 or toll free at 1 (800) 762-4703*

INSTALLING APPARATUS TO BE PROVIDED BY THE INSTALLATION CONTRACTOR

* TO BE INCLUDED ON DESIGN PLAN BY REVIEWER

**MAINTENANCE NOTES**
**(WATER QUALITY STRUCTURE WASTE)**

Maintenance shall be per Section 5, Page 36 of the Technical Manual and these Instructions.

1. STORMCEPTOR WATER QUALITY STRUCTURE WILL REQUIRE PERIODIC CLEANING. OWNERS OF THESE FACILITIES WILL HAVE TO CLEAN THEM AS NEEDED. ANTICIPATED CLEANING SCHEDULE IS ONCE PER YEAR USING A CONVENTIONAL VACUUM TRUCK.

2. MAINTENANCE OF THESE FACILITIES WILL CONSIST OF CLEANING OUT THE STORMCEPTOR AND DISPOSAL OF THE WASTE AND REPAIR OF THE FACILITY AS NEEDED. PERIODIC INSPECTIONS OF THESE FACILITIES SHOULD BE MADE BY THE OWNER.

3. THE DISPOSAL OF THE LIQUID AND SOLID MATTER SHALL BE AS FOLLOWS:
   A. ALL LIQUID MATERIAL IN THE STORMCEPTOR SHALL BE PUMPED INTO A SUITABLE TANK TRUCK AND DISPOSED OF AT AN APPROVED SANITARY DISTRICT DISCHARGE MANHOLE OR BE TAKEN TO AN APPROVED SEWAGE TREATMENT PLANT FOR DISCHARGE.
   B. THE SOLID MATERIAL SHALL BE LANDFILLED IN AN APPROVED SANITARY LANDFILL.

4. THE INLET PIPES AND STRUCTURAL PARTS SHALL BE REPAIRED AS NEEDED.

5. STORMCEPTOR INLET AND OUTLET ASSEMBLY SHALL BE PERIODICALLY INSPECTED.

**INSTALLATION**

Installation Shall be per Section 4.0, Page 23 and Contractor Installation [illegible] 26a and 26b.

**RECOMMENDED**
**SEQUENCE OF CONSTRUCTION AND INSPECTOR'S CHECK-OFF LIST**
**FOR STORMCEPTOR INSTALLATION**

| STAGE: | DEVELOPER'S ENGINEER'S APPROVAL INITIALS/ DATE | INSPECTOR APPROVAL INITIALS/DATE |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

*MANDATORY NOTIFICATION / APPROVAL OF INSPECTOR PRIOR TO PROCEEDING WITH NEXT STAGE

**CONSTRUCTION NOTES**

1. SILT AND DEBRIS SHALL NOT BE ALLOWED TO ENTER THE STORMCEPTOR UNIT, THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED. SILT MAY BE ALLOWED TO ENTER STORMCEPTOR IF IT IS BEING USED AS A FINAL SEDIMENT CONTROL FILTERING DEVICE DURING CONSTRUCTION.

2. ALL OPENINGS TO STRUCTURES SHALL BE PROTECTED WITH THE APPROPRIATE SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.

3. THE STORMCEPTOR MUST BE PUMPED OUT AND CLEANED AT THE END OF THE CONSTRUCTION PHASE OF THE PROJECT.

**4. STORMCEPTOR AND ASSOCIATED PIPING ARE NOT TO BE UTILIZED FOR SEDIMENT CONTROL.**

**STATEMENT BY PERSON RESPONSIBLE FOR MAINTENANCE**

The undersigned agrees to maintain and operate the discharge facilities in such a manner as to comply with the provisions of Section 528 through 535 of 20MR-21, Chapter 5. Responsibility for maintenance and operation may be transferred to another entity upon written notice to the Watershed Protection Division of the Department of Health from the undersigned and the entity assuming responsibility, certifying that the transfer of responsibility for maintenance and operation in compliance with Section 528 through 535 of 20MR-21, Chapter 5 has been accepted.

Signature of the person responsible for maintenance (it may be the applicant)
Name and Title (please type)
Address
Date Phone No.

**STATEMENT BY PROFESSIONAL ENGINEER REGISTERED IN THE DISTRICT OF COLUMBIA**

This is to certify that the engineering features of this stormwater discharge facility have been designed/reviewed by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of stormwater pollutants. I further certify that the facility has been designed in accordance with the specification required under Section 528 through 535 of 20MR-21, Chapter 5. If I am/ was/ had the undersigned has furnished the applicant with a set of instructions for the maintenance and operation of the stormwater discharge facility.

Affix Seal

Name and Title (please type)
Address
Date Phone No.

**RECOMMENDED INSPECTION NOTES: PRECAST CONCRETE STORMCEPTOR**

1. PRIOR TO THE START OF INSTALLING THE STORMCEPTOR, THE OWNER, CONTRACTOR AND INSPECTOR SHALL HOLD A PRE-CONSTRUCTION MEETING.

2. THE INSPECTOR SHOULD BE NOTIFIED AT EACH OF THE FOLLOWING STAGES:
   A. APPROVAL OF SUBGRADE. PREPARE A COMPACTED GRAVEL BED AT THE BOTTOM OF THE EXCAVATION (6" DEEP). ENSURE PROPER COMPACTION OF BASE.
   B. PLACE STORMCEPTOR IN EXCAVATION AT CORRECT ELEVATION AND AT CORRECT ALIGNMENT AND GRADE FOR INLET AND OUTLET STORM DRAINS. LEVEL UNIT. INSTALL BASE AND LOWER TANK, INDUCTING SLABS, MIDDLE SECTION WITH STORMCEPTOR INSERT, RISER SECTION, TOP SLAB WITH PERSONWAY, LEVELING RINGS AND MANHOLE FRAME AND COVER.
   C. BACKFILL STORMCEPTOR WITH SUITABLE NATIVE SOIL (NO ORGANIC OR TOPSOIL IS TO BE USED FOR BACKFILL). BACKFILL AND COMPACT IN 4 INCH LIFTS. BACKFILL SHOULD BE TO PROPER DENSITY.
   D. WHEN SITE IS PERMANENTLY STABILIZED AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED AND STABILIZED, THEN THE STORMCEPTOR WILL BE PUMPED OUT AND CLEANED AND PLACED IN OPERATION.
   E. FINAL INSPECTION.

AS MANUFACTURED BY CSR HYDRO CONDUIT AND STORMCEPTOR CORPORATION MODEL STC-4800 or STC-7200, PRECAST CONCRETE STORMCEPTOR UNIT
FOR TECHNICAL INFORMATION CALL STORMCEPTOR AT 301-762-8361
TO ORDER CONTACT CSR HYDRO CONDUIT REPRESENTATIVE, AT 909-277-2420 OR FAX ORDER TO 909-277-3606

**AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER**

Within 21 days after completion of construction of the stormwater discharge facility, please send this page to the Watershed Protection Division - Department of Health.

1. Stormwater discharge facility information:
   Source Name:
   Source Location Street:
   City:
   DCRA Permit No.:
   Date Issued:

2. As Built Certification

I hereby certify that stormwater discharge facility has been built substantially in accordance with the approved plans and specifications, and that any substantial deviations listed below/ attached prevent the system from functioning in compliance with the requirements of Section 528 through 535 of 20MR-21 Chapter 5 when properly maintained and operated. These determinations have been based upon on-site observation of construction, scheduled and conducted by me or by a project representative under my direct supervision. I have enclosed one set of as-built engineering drawings.

Signature of Engineer
Affix Seal
Name (Please Type) D.C. Reg. No.
Company Name
Company Address
Date Phone No.

Substantial deviations from the approved plans and specifications (attach additional sheets if required).

| Drafting: AMW | DATE | REVISIONS |
|---|---|---|
| Check: TIM | | |
| Design: CCW | | |
| Check: TIM | | |

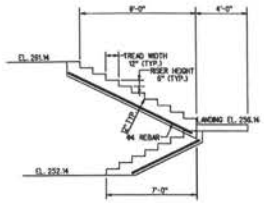
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14103 Crosswinds Drive, Suite 104, Laurel, Maryland 20708
(301) 953-1821 (410) 792-9396
Fax (410) 792-7419
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**STORM DRAIN DETAILS**

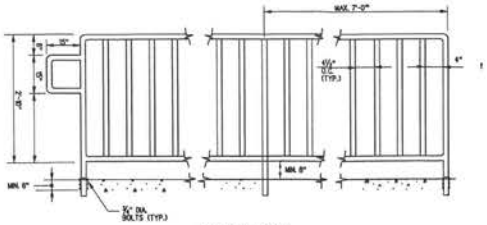
**CARNEGIE INSTITUTE OF WASHINGTON**
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WASHINGTON, DC 20015

SHEET 4 OF 7
DATE 06/22/03
SCALE NOT TO SCALE
JOB NUMBER 1603036

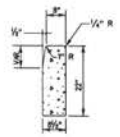
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CONCRETE STAIRWAY DETAIL
SCALE 1" = 4'-0"

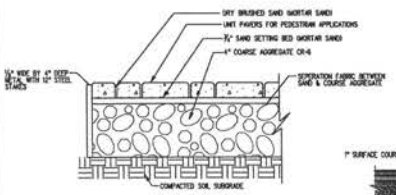



HANDRAIL DETAIL
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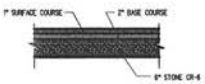

REFER TO DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION DWG. NO. 503.01

TYPE "B" CURB & GUTTER
NOT TO SCALE

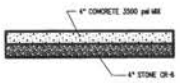



FLEXIBLE PAVEMENT OVER RIGID BASE FOR PEDESTRIAN APPLICATIONS

PAVER SETTING DETAIL
NOT TO SCALE




TYPICAL BITUMINOUS PAVING SECTION
NOT TO SCALE



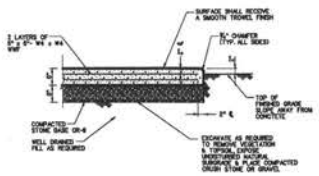

CONCRETE SIDEWALK SECTION
NOT TO SCALE

| STRUCTURE SCHEDULE | | | | | |
|---|---|---|---|---|---|
| STRUCTURE NUMBER | TYPE | TOP ELEV. | INVERT OUT | INVERT IN | REMARK |
| STO-1 | STORMCEPTOR | 260.0 | 248.31 | 248.21 | STC 1200 |
| MH-2 | MANHOLE | 258.0 | 252.10 | 248.50 | DOW.MD.302.02 |
| I-3 | INLET | 260.3 | 252.33 | ------ | DWG.MD.303.01 |

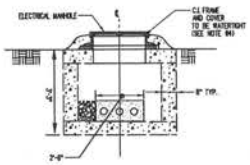
NOTE: ALL STRUCTURES TO BE PRE-CAST CONCRETE.

| PIPE SCHEDULE | | | |
|---|---|---|---|
| FROM | TO | TYPE | LENGTH (FT) |
| EX-A | STO-1 | 15" RCP CL IV | 21 |
| STO-1 | MH-2 | 15" RCP CL IV | 28 |
| MH-2 | I-3 | 15" RCP CL IV | 21 |

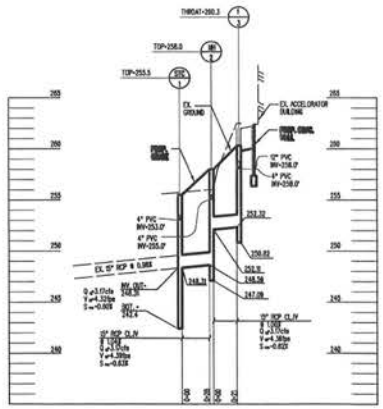
| PIPE SUMMARY TABLE | | |
|---|---|---|
| SIZE | TYPE | LENGTH |
| 15" | RCP CL IV | 49' |
| | TOTAL | 49' |




CONCRETE PAD DETAIL
NOT TO SCALE




PULL BOX DETAIL
NOT TO SCALE




STORM DRAIN PROFILE 1
SCALE: HORIZONTAL = 1"=50'
VERTICAL = 1"=5'

| Drafting | ARM | DATE | REVISIONS |
|---|---|---|---|
| Check | TNH | 6-08-04 | REVISIONS TO CONC. STEP DETAIL AND STORM DRAIN PROFILE |
| Design | CCW | | |
| Check | TNH | | |

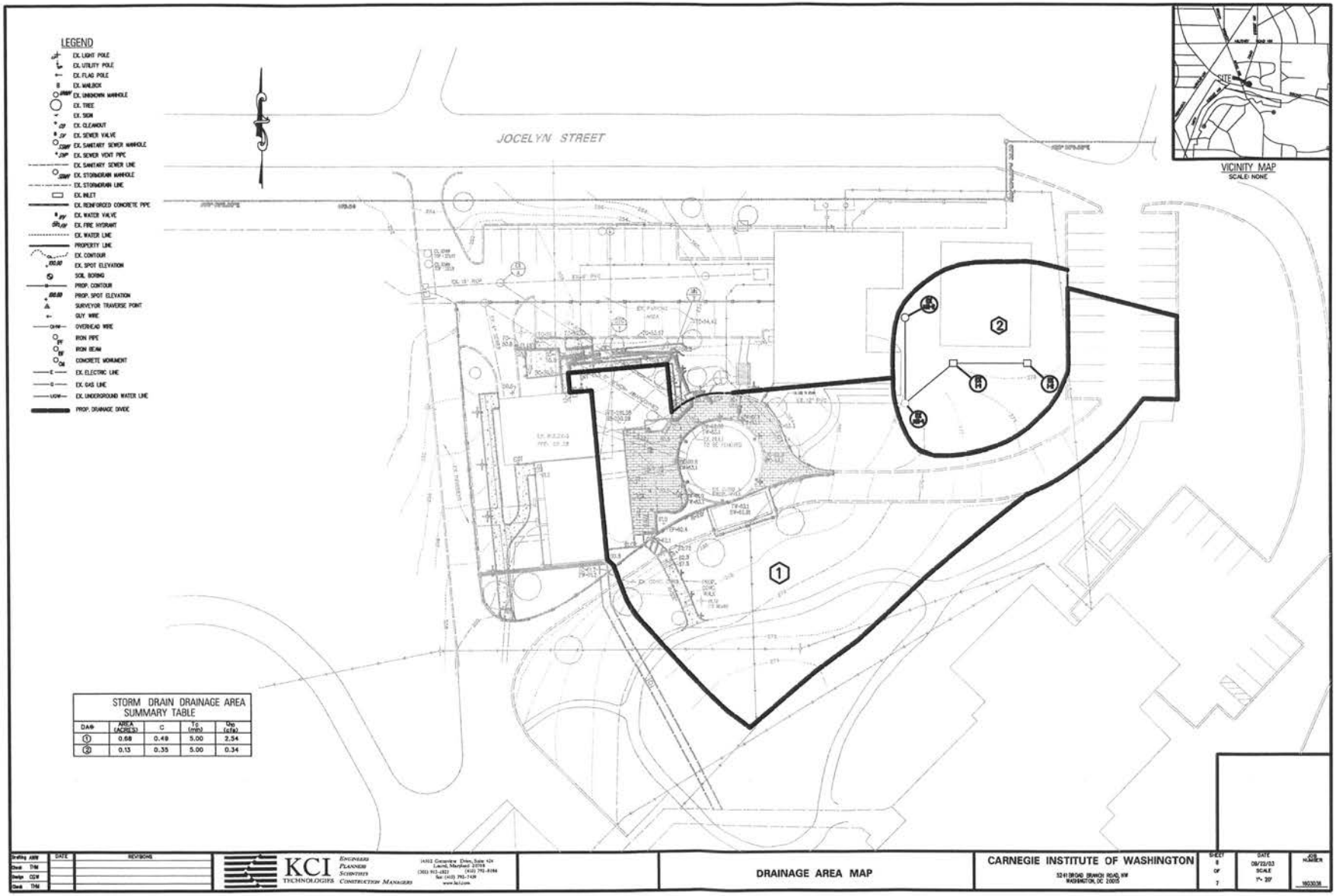
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(301) 953-4821 (410) 792-4186
Fax (410) 792-7439
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SITE DETAILS

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WASHINGTON, DC 20015

| SHEET | DATE | JOB NUMBER |
|---|---|---|
| 5 OF 7 | 09/22/03 SCALE NOT TO SCALE | 1603036 |

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STORM DRAIN DRAINAGE AREA SUMMARY TABLE

| DA® | AREA (ACRES) | C | Tc (min) | Qp (cfs) |
|---|---|---|---|---|
| ① | 0.68 | 0.49 | 5.00 | 2.54 |
| ② | 0.13 | 0.35 | 5.00 | 0.34 |

| Drafting | ABW |
|---|---|
| Check | THM |
| Design | CDW |
| Check | THM |

DATE | REVISIONS

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(301) 953-4822 (410) 792-9184
fax (410) 792-7439
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DRAINAGE AREA MAP

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WASHINGTON, DC 20015

SHEET 6 OF 7

DATE 09/22/03

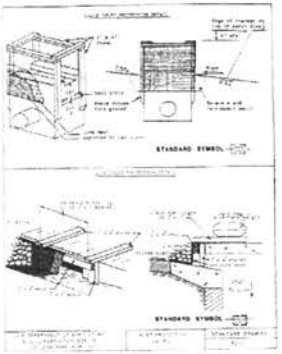
SCALE 1"= 20'

JOB NUMBER 1603036

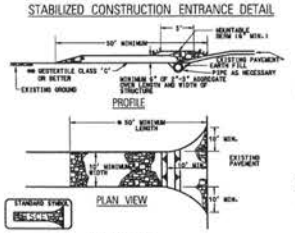
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## CONSTRUCTION SPECIFICATIONS

1. Material:
   A. Wooden frame is to be constructed of 3" x 4" construction grade lumber.
   B. Wire mesh must be of sufficient strength to support filter fabric and stake for work intake, with water fully impounded against it.
   C. Filter cloth must be of a type approved for this purpose resistant to sunlight with sieve size, ASTM. D2-45, to allow sufficient passage of water removal of sediment.
   D. Stone is to be 2" in size and clean, since fines would clog the cloth.




## STABILIZED CONSTRUCTION ENTRANCE DETAIL




GENERAL NOTE

TOTAL DISTURBED AREA = 15,710 S.F.
VOLUME OF CUT IN CUBIC YARDS = 1695
VOLUME OF FILL IN CUBIC YARDS = 2800

## CONSTRUCTION SPECIFICATIONS

1. Length - minimum of 50' (*30' may be allowed for single residence lot).
2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. Define over-all approval dusted by may not require single family residences to use geotextile.
4. Stone - crushed aggregate (2" to 3") or recycled or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
5. Surface Water - all surface water flowing to or directed 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" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to upkeep a pipe will not be required. Pipe should be sized according to the amount of runoff to be conveyed. 7.0' minimum will be required.
6. 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.

## EROSION CONTROL NOTES

1. A sediment and erosion control method shall be installed before the start of any excavation and/or construction as per standards and specifications for soil erosion and sediment control for the District of Columbia. If on on-site inspection reveals further erosion control measures are necessary, the same shall be provided.
2. All debris is to be removed from site.
3. Alley and/or streets/sidewalks shall be swept clean at all times during excavation and construction.
4. All catch basins and drain areas shall be protected during excavation and construction.
5. If any catch basins and drain become clogged as a result of excavation or construction the contractor shall be responsible for its cleaning.
6. When sediment trap/sediment tank has reached 67 % capacity, clean out of same is required.
7. Any stockpiling, regardless of location shall be stabilized and covered with plastic or canvas, after 21's establishment and for duration of the project.
8. After raze or demolition, there is the need for ground cover to prevent erosion and sediment runoff from occurring. Such as seed, sod, pave, bricklay or mulch, etc.
9. Total disturbed area 15,800 s.f.

## CONSTRUCTION SEQUENCE

Meet with inspector for pre-construction meeting..... 1 Day

Install sediment control measures..... 1 Week

With inspectors approval grade site within the limit of disturbance, grade as much as the building pad as portible without the retaining wall..... 2 Weeks

Install underground gas, electric, water north of the proposed building..... 2 Weeks

Install concrete and brick walls north of building and 4 accelerator buildings..... 8 Weeks

Bring grade up to finished grade. Remove abandoned 6" sewer and straw drain from ex-manhole 6 to 1-3 as shown on plan. Install storm drain..... 3 Weeks

Construct buildings..... 2 Months

Install remaining underground utilities..... 2 Weeks

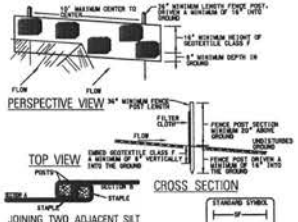
Install paving and sidewalk..... 3 Days

Install lighting..... 2 Days

Stabilize all disturbed areas..... 1 Week

With inspectors approval remove sediment control measures..... 1 Week

## SILT FENCE DETAIL




## CONSTRUCTION SPECIFICATIONS

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1½" x 1½" square (minimum) cut, or 1½" (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pond per linear foot.
2. 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:

| | | |
|---|---|---|
| Tensile Strength | 50 lbs/in (min.) | Test: MSMT 509 |
| Tensile Modulus | 20 lbs/in (min.) | Test: MSMT 509 |
| Flow Rate | 0.3 Gal Ft / minute (max.) | Test: MSMT 322 |
| Filtering Efficiency | 75% (min.) | Test: MSMT 322 |

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

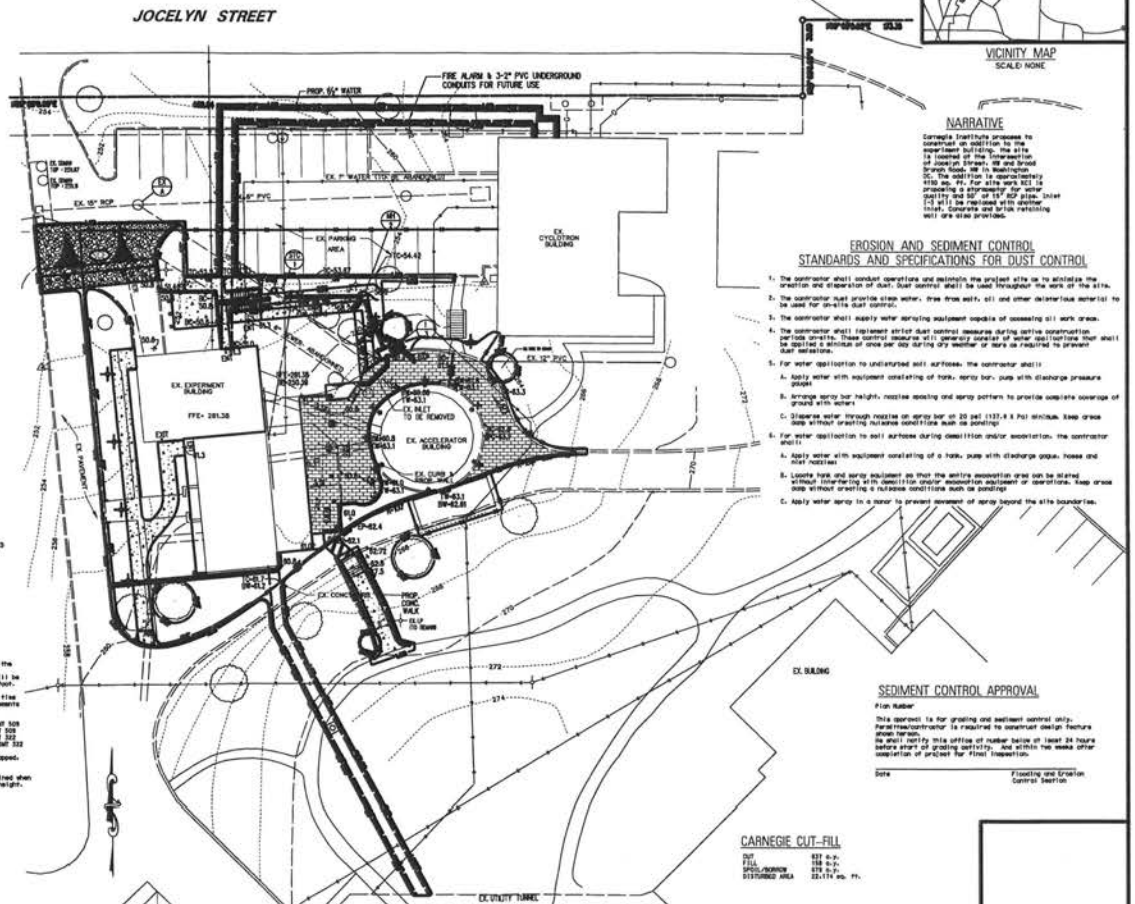
## SILT FENCE DESIGN CRITERIA

| Slope Steepness | (Maximum) Slope Length | (Maximum) Silt Fence Length |
|---|---|---|
| Flatter than 50:1 | unlimited | unlimited |
| 50:1 to 10:1 | 125 feet | 1,000 feet |
| 10:1 to 5:1 | 100 feet | 750 feet |
| 5:1 to 3:1 | 60 feet | 500 feet |
| 3:1 to 2:1 | 40 feet | 250 feet |
| 2:1 and steeper | 20 feet | 125 feet |

Notes: In areas of less than 2% slope and sandy soils (USDA general classification system, soil class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

## LEGEND

EXISTING TREE LINE
PROPOSED TREE LINE
EXISTING GRADE — 140 —
PROPOSED GRADE — 142 —
LIMIT OF DISTURBANCE
SILT FENCE
STABILIZED CONSTRUCTION ENTRANCE (SCE)
BLAZE ORANGE FENCE
SUPER SILT FENCE




## VICINITY MAP

SCALE: NONE




## NARRATIVE

Carnegie Institute proposes to construct an addition to the experiment building. the site is located at the intersection of Jocelyn Street, NW and Broad Branch Road, NW in Washington DC. The addition is approximately 4150 sq. Ft. For site work will be providing a stormwater SCE to serve the area of the site. A new inlet (#2-11) be replaced with a double inlet. Concrete and brick retaining wall are also provided.

## EROSION AND SEDIMENT CONTROL STANDARDS AND SPECIFICATIONS FOR DUST CONTROL

1. The contractor shall conduct operations and maintain the project site so to minimize the creation and dispersion of dust. Dust control shall be used throughout the work of 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 onsite. These control measures will generally consist of water applications that shall be applied a minimum of once per day during dry weather or more 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, nozzles spacing and spray pattern to provide complete coverage of ground with water.
   C. Disperse water through nozzles on spray bar at 20 psi (137.9 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 gague, hoses and inlet nozzles.
   B. Locate tank and spray equipment so that the entire excavation area can be started without interfering with demolition and/or excavation equipment or operations. Keep areas damp without creating a nuisance conditions such as ponding.
   C. Apply water spray in a manor to prevent movement of spray beyond the site boundaries.

## SEDIMENT CONTROL APPROVAL

Plan Number

This approval is for grading and sediment control only. Permit/use/contractor is required to construct design feature shown hereon.
He shall notify this office at number below at least 24 hours before start of grading activity. And within two weeks after completion of project for final inspection.

Date

Flooding and Erosion Control Section

## CARNEGIE CUT-FILL

| | |
|---|---|
| CUT | 837 c.y. |
| FILL | 158 c.y. |
| SPOIL/BORROW | 679 c.y. |
| DISTURBED AREA | 22,174 sq. ft. |

| Drafting | ABW | DATE | REVISIONS |
|---|---|---|---|
| Check | TRM | 4-08-04 | REMOVED CONC. WALL ALONG PARKING LOT, REV. TO |
| Design | CCW | | CONC. STEPS AND CONC. WALK, ADDED WINDOW WELL |
| Check | TRM | | |

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**SEDIMENT & EROSION CONTROL PLAN**

**CARNEGIE INSTITUTE OF WASHINGTON**
5241 BROAD BRANCH ROAD, NW
WASHINGTON, DC 20015

SHEET 7 OF 7 | DATE 09/23/03 | SCALE 1"= 20' | JOB NUMBER 1603036

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