

■ THE YARDS ■

SOUTHEAST FEDERAL CENTER

INTERIM PARKING LOTS

S.E. WASHINGTON, D.C.

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TOTAL SHEETS = 33



VICINITY MAP
SCALE: 1" = 1000'

DEVELOPER

FOREST CITY WASHINGTON
1615 L STREET, NW
SUITE 400
WASHINGTON, DC 20036
202-496-6600
FAX: 202-496-6656
CONTACT: STEVE WILLMANN

CIVIL ENGINEER

VKA INCORPORATED
8180 GREENSBORO DRIVE
SUITE 200
McLEAN, VIRGINIA 22102
(703)442-7800
FAX: 703-761-2787
CONTACT: MICHAEL BENTON

LANDSCAPE ARCHITECT

LEE & ASSOC., INC.
638 EYE ST, NW
WASHINGTON, DC 20001
202-466-6666
FAX: 202-466-4232
CONTACT: JEFF LEE

UTILITY CONSULTANT

RICHTER & ASSOC.
15864 CRABBS BRANCH WAY
ROCKVILLE, MD 20855
301-548-7476
FAX: 301-548-7478
CONTACT: STEVE RICHTER

MASTER PLANNING ARCHITECT

SHALOM BARANES ASSOC.
3299 K STREET, NW
SUITE 400
WASHINGTON, DC 20007
202-342-2200
FAX: 202-342-1569
CONTACT: MARK GILLIAND, SUSANNE CHURCHILL

FLOOD PLAIN CONSULTANT

MICHAEL BAKER INCORPORATED
3601 EISENHOWER AVENUE
ALEXANDRIA, VIRGINIA 22304
(703)317-6252
FAX: 703-960-9125
CONTACT: DAVID PREUSCH

LOW IMPACT DEVELOPMENT CONSULTANT

LOW IMPACT DEVELOPMENT CENTER, INC.
5010 SUNNYSIDE AVE.
SUITE 200
BELTSVILLE, MD 20705
301-982-5559
FAX: 301-982-1994
CONTACT: NEIL WEINSTEIN

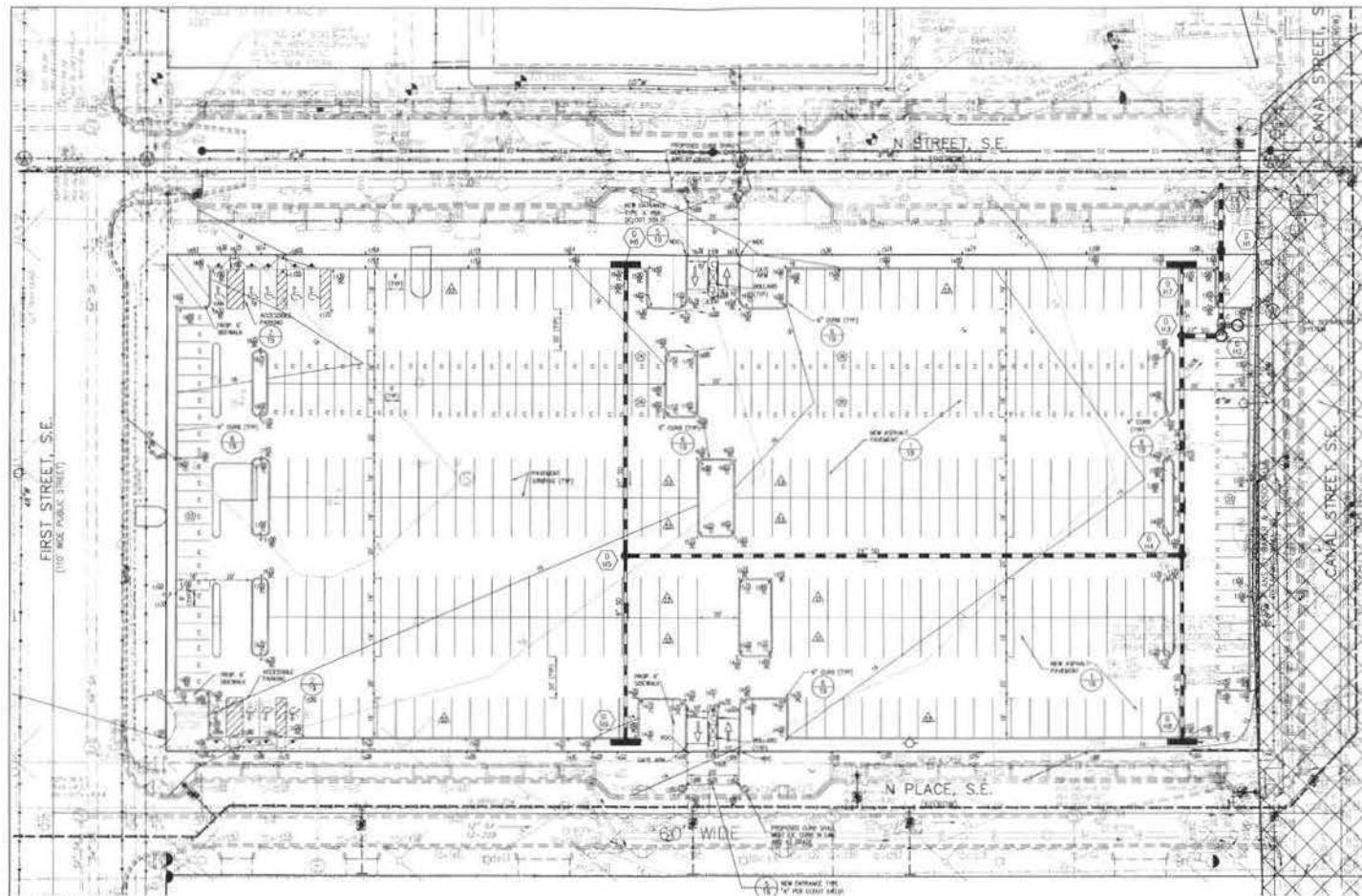
TRAFFIC CONSULTANT

GOROVE / SLADE ASSOC., INC.
1140 CONNECTICUT AVE.
SUITE 700
WASHINGTON, DC 20036
202-296-8625
FAX: 202-785-1276
CONTACT: LOU SLADE, ROB SCHIESEL

NOTE:

CONTRACTOR TO NOTIFY "MISS UTILITY" (1-800-257-7777)
FOR MARKING EXISTING UTILITIES, 48 HOURS PRIOR TO
ANY EXCAVATION OR CONSTRUCTION.

ZONING COMMISSION
District of Columbia
CASE NO.07-17
EXHIBIT NO.19



VICINITY MAP
SHEET 22.00000

AREA UNDER
STUDY/NOT FOR
CONSTRUCTION

PARKING COUNT
FULL SIZE + 270 (24.00)
COMPACT SIZE + 140 (13.10)
TOTAL = 410 SPACES

GENERAL NOTES:

1. THE BUILDING INFORMATION (CONSTRUCTION, UTILITY CONNECTION, ETC.) SHOWN ON THIS PLAN AND TAKEN FROM PLANS PREPARED BY:
ARCHITECT: _____ DATE: _____
ENGINEER: _____ DATE: _____
NOTES: _____
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE MOST CURRENT APPROVED ARCHITECT / MEP PLANS AND COORDINATE SAME WITH THIS PLAN PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
3. IF THE CONTRACTOR HAS ANY QUESTIONS AS TO THE NATURE, METHOD, OR DETAIL OF THE PERFORMANCE OF HIS WORK OR THE CONTRACT DOCUMENTS, HE SHOULD CONTACT THE ARCHITECT AT THE EARLIEST POSSIBLE TIME PRIOR TO COMMENCING WORK. THE ARCHITECT'S ACCEPTANCE OR REJECTION OF ANY ASSUMPTIONS OR INTERPRETATIONS MADE BY THE CONTRACTOR OR HIS SUBCONTRACTORS.
4. THE CONTRACTOR SHALL NOTIFY THE UTILITY FOR MARKING LOCATIONS OF EXISTING UTILITIES AT 1400-1500-1510, OR EARLIER PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
5. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF THE UTILITIES BY EXCAVATING TEST PITS BY HAND AT 10' INTERVALS ALONG THE ENTIRE LENGTH OF THE UTILITY. IF CLARIFICATIONS ARE LATER THAN SPECIFIED ON THIS PLAN OR LESS THAN 12" DEEPER THAN THE UTILITY, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNER OF THE STREET INVOLVED UTILITY BEFORE PROCEEDING WITH CONSTRUCTION.

6. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCY AND/OR ADDITIONS OF UTILITIES FOUND BY ANY CONTRACTOR EMPLOYEE IN EXCAVATION AT THIS SITE.
 7. GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE PROPER DRAINAGE.
 8. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STRUCTURES, WHEN NECESSARY, TO MEET EXISTING CONDITIONS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
 9. ALL EXISTING UTILITIES AND STRUCTURES NOT SHOWN TO BE REMOVED ARE TO REMAIN AND PROTECTED AS FUNCTIONAL.
 10. REPAIRS TO UTILITIES OR PROPERTY DAMAGED AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.
- GENERAL ROADWAY PAVING CONSTRUCTION NOTES**
1. ALL ROADWAY WORK SHALL BE PERFORMED IN ACCORDANCE WITH STREET CLOSURES AND REGULATIONS.
 2. ALL EXISTING UTILITIES WILL BE ADJUSTED TO GRADE AS NECESSARY BY THE CONTRACTOR.
 3. STABLE SUBGRADE IS DEFINED AS THAT SOIL, UNDISTURBED EXCEPT BY THE EXCAVATION OF THE UTILITY, IS CAPABLE OF SUPPORTING STREET LOADS WITHOUT DAMAGING SETTLEMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
 4. WHERE INSTANT SUBGRADE IS ENCOUNTERED, IT SHALL BE MADE STABLE BY CONTRACTOR'S REPLACEMENT, AS REQUIRED.
 5. CONTRACTOR TO PROVIDE ROADWAY UNDERPAVING PER GEOTECHNICAL DESIGNER'S REQUIREMENTS.
 6. ALL EXISTING BLUE STONE CURB TO BE SALVAGED AND RUMED DOWN TO CURB.

TEST PIT NOTE

INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION, ELEVATION, AND SIZE OF EX. UTILITIES BY EXCAVATING TEST PITS BY HAND AT ALL POINTS OF CONNECTION AND AT EXISTING RESULTS FROM FIELD TEST PITS SHALL BE SUBMITTED TO THE ARCHITECT FOR (1) WORKING DURING THE CONSTRUCTION AND/OR (2) RECORD MATERIALS.

COORDINATION NOTES:

1. IF WORK IS NOT PROCEEDING THROUGH SCHEDULE, THE CONTRACTOR IS TO ESTABLISH AND CHECK ALL HORIZONTAL AND VERTICAL CONTROLS TO BE USED WITH THIS PROJECT. IN ADDITION, THE CONTRACTOR IS TO COMPLETE THE LAYOUT OF THE UTILITY PRIOR TO THE START OF THE UTILITY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING CONSTRUCTION AND/OR RECORD MATERIALS.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE MOST CURRENT APPROVED ARCHITECTURAL AND P.E. PLANS AND COORDINATE SAME WITH THE SITE PLAN PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF CONSTRUCTION WITH THE FOLLOWING UTILITY COMPANIES SERVING THE SITE: POWER, TELEPHONE, CABLE, GAS, WATER, AND SEWER.
4. CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH THE DISTRICT OF COLUMBIA WATER AND SEWER AGENCY (DCWSA) FOR TAPPING FEES AND DETERMINING THE EXTENT OF WORK FOR WATER CONNECTIONS TO BE ACCOMPLISHED BY DCWSA.
5. CONTRACTOR TO COORDINATE WITH THE OFFICE OF THE DC SUPERVISOR TO OBTAIN A SURVEY LICENSED BY THAT OFFICE TO PREPARE A BULLSEYE SURVEY AS REQUIRED BY THE DC CODE IN ADVANCE OF PLACING CONCRETE ASSOCIATED WITH THE FOUNDATION.

LEGEND

- 1. CURB & GUTTER TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- 2. WATER LINE TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- 3. SANITARY SEWER TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- 4. STORM DRAIN TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- 5. FULL SIZE PARKING SPACE (20'x10')
- 6. COMPACT PARKING SPACE (8'x10')
- 7. PROPOSED SPOT GRASS FROM INFRASTRUCTURE PLANS



VIA

CONSTRUCTION & ARCHITECTURE • 1000 15th St. N.W. • Washington, D.C. 20005

PHONE: (202) 462-1000 • FAX: (202) 462-1001 • WWW.VIA-DC.COM

SOUTHEAST FEDERAL CENTER
INTERIM PARKING LOTS
"PARCELS H/I, L, O"
1314 FIRST STREET, S.E.
WASHINGTON, D.C. 20003

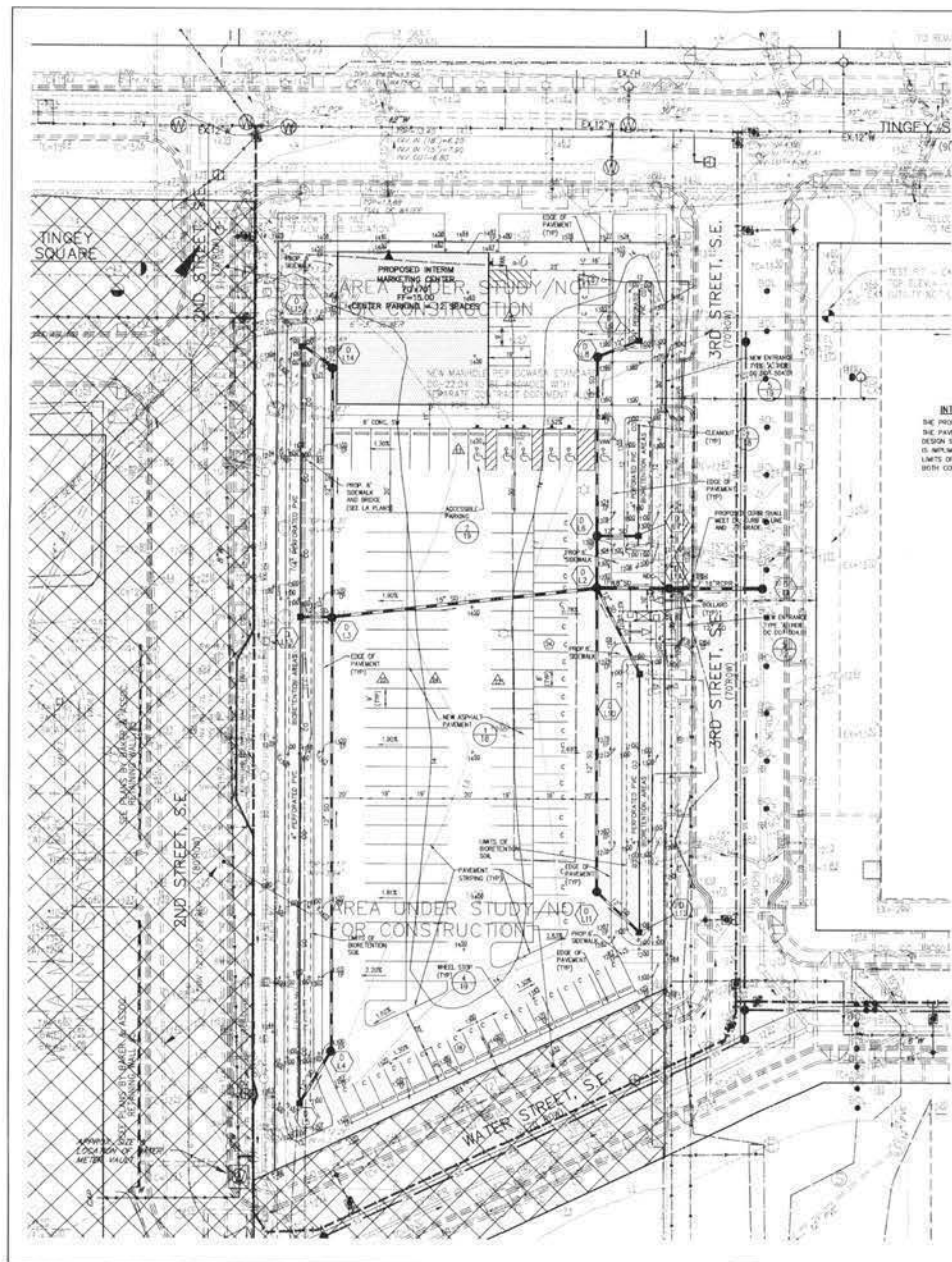
PARCEL "H/I"
SITE GRADING AND
UTILITY PLAN

VIA REVISIONS

NO.	DATE	DESCRIPTION
1	06/15/2007	ISSUED FOR PERMIT

DATE: 06/15/2007
DES: [Signature]
CHK: [Signature]
APP: [Signature]
PROJECT: 06-01
SHEET NO: C-08

10. doi:10.1371/journal.pone.0172140.g001



LEGEND

- 1. STORM DRAIN
- 2. TEST PIT
- 3. PROPOSED CONTOUR LINE
- 4. PROPOSED SPOT GRADE
- 5. BUILDING ENTRANCE
- 6. PROPOSED CONTOUR LINE FROM INFRASTRUCTURE PLANS
- 7. PROPOSED SPOT GRADE FROM INFRASTRUCTURE PLANS
- 8. CURB & GUTTER TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- 9. WATERLINE TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- 10. SANITARY SEWER TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- 11. STORM DRAIN TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- 12. FULL SIZE PARKING SPACE (5'x10')
- 13. COMPACT PARKING SPACE (5'x7')



VICINITY MAP
NOT TO SCALE



TEST PIT NOTE:

INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION, ELEVATIONS, AND DEPTHS OF EX. UTILITIES BY DIGGING TEST PITS BY HAND AT ALL POINTS OF CONNECTION AND AT DISCREET INTERVALS FROM THESE TEST PITS SHALL BE SUBMITTED TO THE ARCHITECT FIVE (5) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION AND/OR GROUNDING MATERIALS.

GENERAL NOTES:

- THE BUILDING INFORMATION (DIMENSIONS, UTILITY CONNECTIONS, ETC.) SHOWN ON THIS PLAN WAS TAKEN FROM PLANS PREPARED BY:

ARCHITECT	N/A	DATE	N/A
DATE	N/A	DATE	N/A
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE MOST CURRENT APPROVED ARCHITECT / MEP PLANS AND COORDINATE SAME WITH SITE PLAN PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
- THE CONTRACTOR IS TO VERIFY THAT THE RELOCATION OF ANY UTILITY IN CONFLICT WITH PROPOSED WORK HAS BEEN COMPLETED, INCLUDING UTILITY PROTES AND GUY WIRES.
- IF THE CONTRACTOR HAS ANY QUESTIONS AS TO THE NATURE, METHOD, OR DETAIL OF THE PERFORMANCE OF HIS WORK OR THE CONTRACT DOCUMENTS, HE SHOULD CONTACT VIA AND / OR 753-442-7700 PRIOR TO COMMENCING WORK. VPKA INC. ACCEPTS NO LIABILITY OR ASSUMPTION ON INTERPRETATIONS MADE BY THE CONTRACTOR OR HIS SUBCONTRACTORS.
- THE CONTRACTOR SHALL NOTIFY "VIA UTILITY" FOR MARKING LOCATIONS OF EXISTING UTILITIES AT 1-800-257-7777, 48 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATIONS OF THE UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF THE UTILITIES ARE LESS THAN SPECIFIED ON THIS PLAN, OR DEPTHS LESS THAN 12 INCHES WHEN NOT SPECIFIED, CONTACT THE ENGINEER, AND THE OWNER OR THE OTHER INVOLVED UTILITY BEFORE PROCEEDING WITH CONSTRUCTION.
- IT IS THE USER'S RESPONSIBILITY TO NOTIFY VIA IN A P.C. IMMEDIATELY OF ANY CHANGES AND/OR ADDITIONS OF UTILITIES FOUND BY ANY CONTRACTOR ENGAGED IN EXCAVATION AT THIS SITE.
- GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
- THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STRUCTURES WHEN NECESSARY TO MEET EXISTING CONDITIONS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- ALL EXISTING UTILITIES AND STRUCTURES NOT SHOWN TO BE REMOVED ARE TO REMAIN AND PRESERVED AS FUNCTIONAL.
- REPAIRS TO UTILITIES OR PROPERTY DAMAGES AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.

GENERAL ROADWAY PAVING CONSTRUCTION NOTES

- ALL ROADWAY WORK WILL BE PERFORMED IN ACCORDANCE WITH SDOT STANDARDS AND SPECIFICATIONS.
- ALL EXISTING UTILITIES WILL BE ADJUSTED TO GRADE AS NECESSARY BY THE CONTRACTOR.
- STABLE SUBGRADE IS DEFINED AS THAT SOIL, UNDISTURBED EARTH CAPABLE OF SUPPORTING STREET LOADING WITHOUT CHANGING SETTLEMENT AS DETERMINED BY THE GEOLOGICAL ENGINEER.
- WHERE UNSTABLE SUBGRADE IS ENCOUNTERED, IT SHALL BE MADE STABLE BY COMPACTION OR REPLACEMENT, AS REQUIRED.
- CONTRACTOR TO PROVIDE ROADWAY UNDERDRAINAGE PER GEOTECHNICAL DIRECTION IF REQUIRED.
- ALL EXISTING BLUE STRIP CURBS TO BE SALVAGED AND TURNED OVER TO GDOT.

COORDINATION NOTES:

- IF VPKA IS NOT PROVIDING STAKEOUT SERVICE, THE CONTRACTOR IS TO ESTABLISH AND CHECK ALL HORIZONTAL AND VERTICAL CONTROLS TO BE USED WITH THIS PROJECT. IN ADDITION, THE CONTRACTOR IS TO COMPUTE THE LAYOUT OF THE ENTIRE PLAN IN ADVANCE OF BEGINNING ANY WORK ASSOCIATED WITH THE SUBJECT PLANS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE MOST CURRENT APPROVED ARCHITECTURAL, ME/P, PLANS AND COORDINATE SAME WITH THE SITE PLAN, PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF CONSTRUCTION WITH THE FOLLOWING UTILITY COMPANIES SERVING THE SITE: PEOPLES, METRO, WASHINGTON GAS, DISTRICT CABLE, WISDM.
- CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH THE DISTRICT OF COLUMBIA WATER AND SEWER ADMIN. (DCWSA) FOR TAPPING FEES AND DETERMINING THE EXTENT OF WORK FOR WATER CONNECTING TO BE ACCOMPLISHED BY DCWSA.
- CONTRACTOR TO COORDINATE WITH THE OFFICE OF THE DC SURVEYOR TO ENGAGE A SURVEYOR LICENSED BY THAT OFFICE TO PREPARE A WALLCHECK SURVEY AS REQUIRED BY THE DC CODE IN ADVANCE OF PLACING CONCRETE ASSOCIATED WITH THE FOUNDATION.



GRAPHIC SCALE

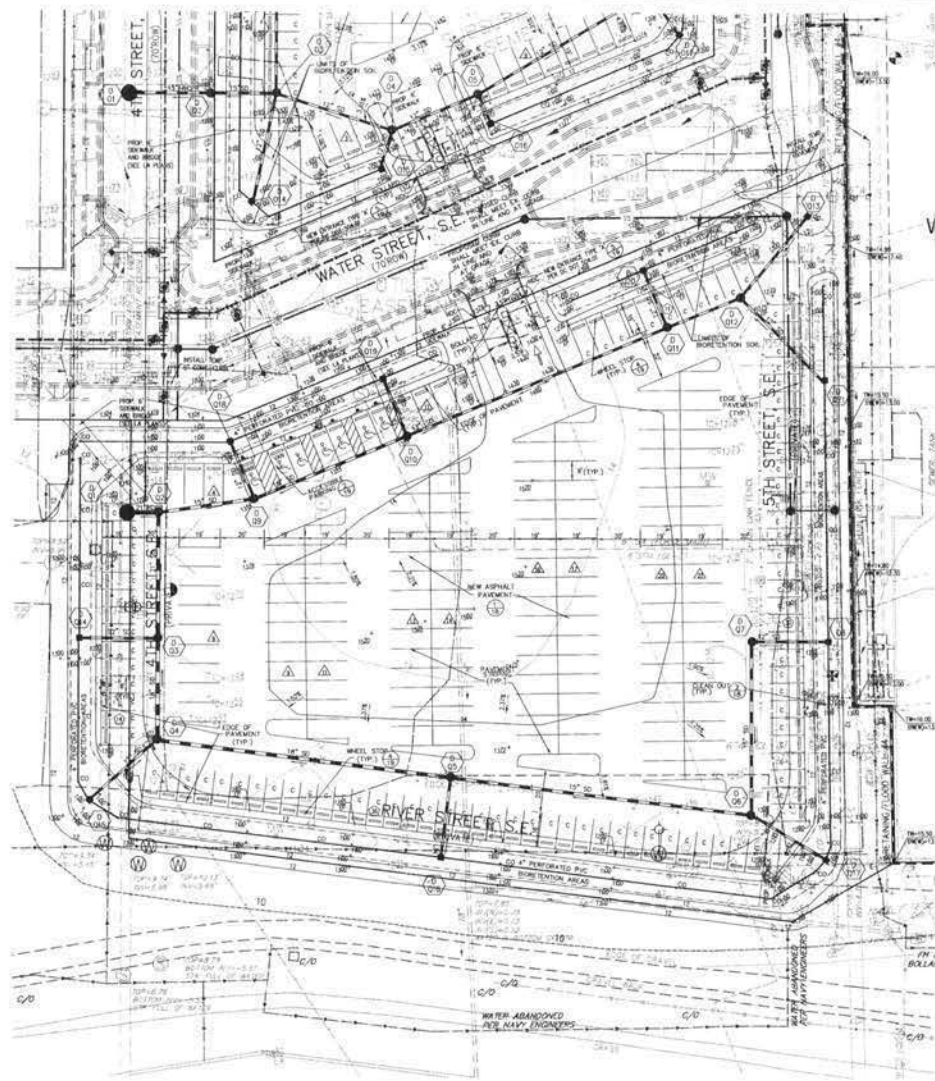


PARCEL "L",
ALTERNATE SITE GRADING
AND UTILITY PLAN

VKA REVISIONS

NO.	DATE	BY	CHK.	DESCRIPTION
1	04/15/2007	MS	LE	
2				
3				
4				
5				
6				
7				
8				
9				
10				

DATE: APR 15, 2007
 DES: MS
 CHK: LE
 SCALE: 1"=20'
 PROJECT/FILE NO: 01000
 SHEET NO: C-00A



LEGEND

- STORM DRAIN
- TEST PIT
- PROPOSED CONTOUR LINE
- PROPOSED SPOT GRADE
- BUILDING ENTRANCE
- PROPOSED CONTOUR LINE FROM INFRASTRUCTURE PLANS
- PROPOSED SPOT GRADE FROM INFRASTRUCTURE PLANS
- CURB & GUTTER TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- WATERLINE TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- SEWERY SEWER TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- STORM DRAIN TO BE INSTALLED WITH INFRASTRUCTURE PLAN
- FULL SIZE PARKING SPACE (8'x12')
- COMPACT PARKING SPACE (8'x10')
- COMPACT PARKING SPACE (8'x10')

PARKING COUNT

FULL SIZE = 144 SQ. FT.
COMPACT SIZE = 80 SQ. FT.
TOTAL = 336 SPACES



TEST PIT NOTE

INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION, DEPTHS, AND SIZES OF UTILITIES BY DIGGING TESTS PITTS BY HAND AT ALL POINTS OF CONNECTION AND AT DIGGING RESULTS FROM THESE TEST PITTS SHALL BE SUBMITTED TO THE ARCHITECT THE DAY WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION AND/OR ORDERING MATERIALS.

GENERAL NOTES

- THE BUILDING INFORMATION (DIMENSIONS, UTILITY CONNECTIONS, ETC.) SHOWN ON THIS PLAN WAS TAKEN FROM PLANS PREPARED BY:

ARCHITECT	N/A	DATE	N/A
MEP	N/A	DATE	N/A
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE MOST CURRENT APPROVED ARCHITECTURAL / MEP PLANS AND COORDINATE SAME WITH THE SITE PLAN, PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
- THE CONTRACTOR IS TO VERIFY THAT THE RELOCATION OF ANY UTILITY IN CONFLICT WITH PROPOSED WORK HAS BEEN COMPLETED, INCLUDING UTILITY POLES AND GUY WIRES.
- IF THE CONTRACTOR HAS ANY QUESTIONS AS TO THE NATURE, METHOD, OR DETAIL OF THE PERFORMANCE OF HIS WORK OR THE CONTRACT DOCUMENTS, HE SHOULD CONTACT THE ARCHITECT AT 202-442-7200 PRIOR TO COMMENCING WORK. THE ARCHITECT'S ACCESS TO SURETY OR ASSUMPTIONS OR INTERPRETATIONS MADE BY THE CONTRACTOR OR HIS SUBCONTRACTORS.
- THE CONTRACTOR SHALL NOTIFY "WIS UTILITY" FOR MARKING LOCATIONS OF EXISTING UTILITIES AT 1-800-253-7777, 48 HOURS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATIONS OF THE UTILITIES BY DIGGING TEST PITTS BY HAND AT ALL UTILITY CROSSINGS WITHIN 10' ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED ON THIS PLAN OR LESS THAN 12 INCHES, WHEN NOT SPECIFIED, CONTACT THE ENGINEER AND THE OWNER OF THE OTHER INVOLVED UTILITY BEFORE PROCEEDING WITH CONSTRUCTION.
- IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY VIA A N.E.L. IMMEDIATELY OF ANY FINDINGS AND/OR ADDITIONS OF UTILITIES FOUND BY ANY CONTRACTOR ENGAGED IN EXCAVATION AT THIS SITE.
- GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
- THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STRUCTURES, WHEN NECESSARY, TO MEET EXISTING CONDITIONS OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- ALL EXISTING UTILITIES AND STRUCTURES NOT SHOWN TO BE REMOVED ARE TO REMAIN AND PRESERVE AS FUNCTIONAL.
- REPAIRS TO UTILITIES OR PROPERTY DAMAGES AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.

GENERAL ROADWAY PAVING CONSTRUCTION NOTES

- ALL ROADWAY WORK WILL BE PERFORMED IN ACCORDANCE WITH DODOT STANDARDS AND SPECIFICATIONS.
- ALL EXISTING UTILITIES WILL BE ADJUSTED TO GRADE AS NECESSARY BY THE CONTRACTOR.
- STABLE SUBGRADE IS DEFINED AS THAT SOLID, UNDISTURBED EARTH CAPABLE OF SUPPORTING STREET LOADS WITHOUT DAMAGING SETTLEMENT AS OBTAINED BY THE GEOTECHNICAL ENGINEER.
- WHERE UNSTABLE SUBGRADE IS ENCOUNTERED, IT SHALL BE MADE STABLE BY COMPACTION OR REPLACEMENT, AS REQUIRED.
- CONTRACTOR TO PROVIDE ROADWAY UNDERDRAIN PER GEOTECHNICAL SPECIFICATION IF REQUIRED.
- ALL EXISTING BLUE STONE CURBS TO BE SALVAGED AND TURNED OVER TO DODOT.

COORDINATION NOTES

- IF WPA IS NOT PROVIDING STAKEOUT SERVICE, THE CONTRACTOR IS TO ESTABLISH AND CHECK ALL HORIZONTAL AND VERTICAL CONTROLS TO BE USED WITH THIS PROJECT. IN ADDITION, THE CONTRACTOR IS TO COMPLETE THE LAYOUT OF THE ENTIRE PLAN IN ADVANCE OF BEGINNING ANY WORK ASSOCIATED WITH THE SUBJECT PLANS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE MOST CURRENT APPROVED ARCHITECTURAL/MEP PLANS AND COORDINATE SAME WITH THE SITE PLAN, PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF CONSTRUCTION WITH THE FOLLOWING UTILITY COMPANIES SERVING THE SITE: PERIOD, KENTON, WASHINGTON, GAS, DISTRICT CABLE, WGA.
- CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH THE DISTRICT OF COLUMBIA WATER AND SEWER ADMIN. (COWASA) FOR TAPPING FEES AND DETERMINING THE EXTENT OF WORK (FOR WATER CONNECTIONS) TO BE ACCOMPLISHED BY COWASA.
- CONTRACTOR TO COORDINATE WITH THE OFFICE OF THE DC SURVEYOR TO ENGAGE A SURVEYOR LICENSED BY THAT OFFICE TO PREPARE A WALLCHECK SURVEY AS REQUIRED BY THE DC CODE IN ADVANCE OF PLACING CONCRETE ASSOCIATED WITH THE FOUNDATION.



GRAPHIC SCALE

1" = 20'
1" = 30'

VHA
VIRGINIA HISTORICAL ARCHITECTURE

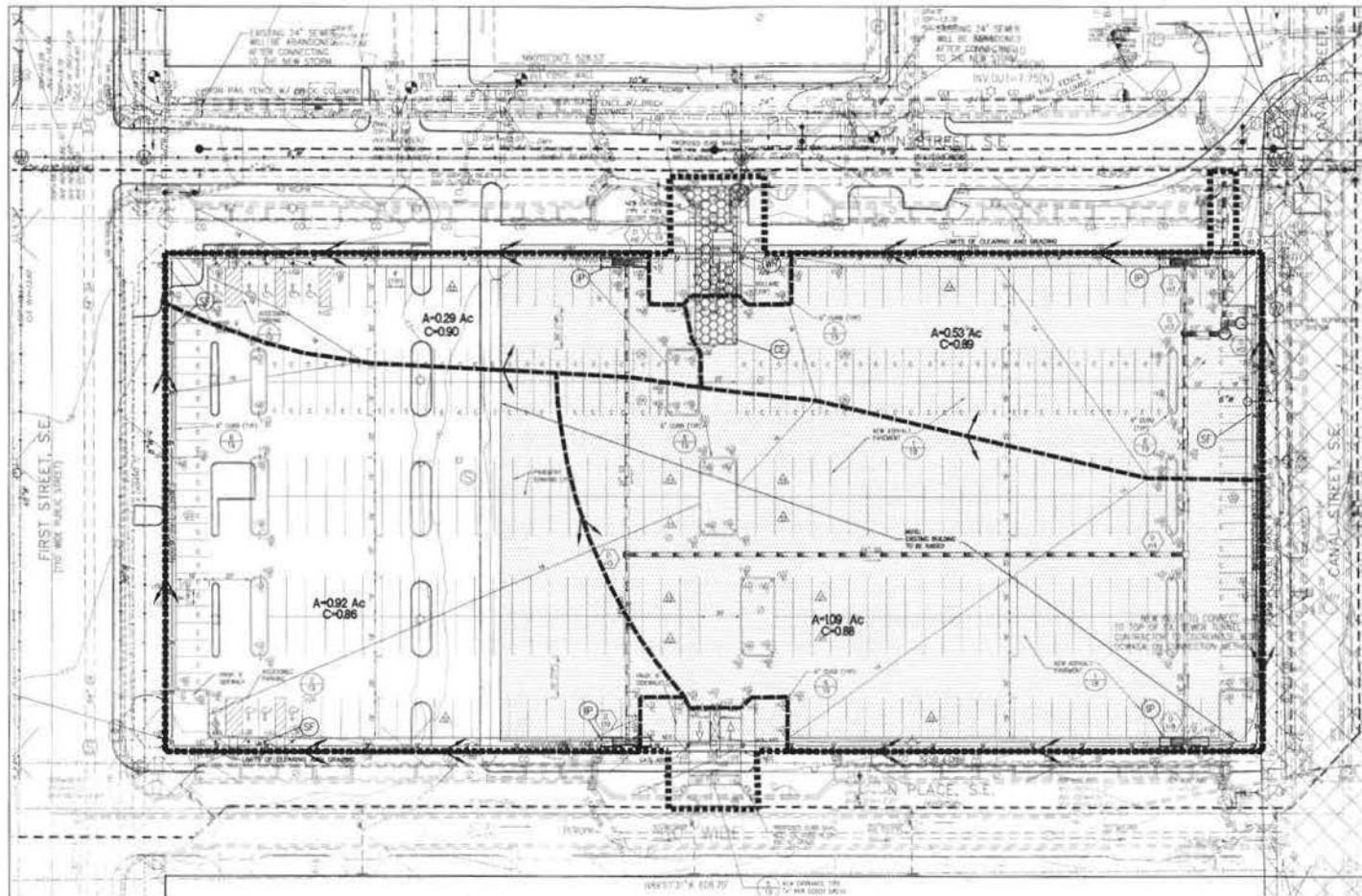
SOUTHEAST FEDERAL CENTER
INTERIM PARKING LOTS
"PARCELS H", "I", "O", "Q"
1314 FIRST STREET
S.E.
WASHINGTON, D.C.

PARCEL "Q" SITE GRADING AND UTILITY PLAN

VHA REVISIONS

NO.	DATE	DESCRIPTION
1	06/15/2007	1314-01-001
2	06/15/2007	1314-01-002
3	06/15/2007	1314-01-003
4	06/15/2007	1314-01-004
5	06/15/2007	1314-01-005
6	06/15/2007	1314-01-006
7	06/15/2007	1314-01-007
8	06/15/2007	1314-01-008
9	06/15/2007	1314-01-009
10	06/15/2007	1314-01-010

DATE: 06/15/2007
SHEET NO.: 1314-01-001
PROJECT: SITE GRADING AND UTILITY PLAN
SCALE: 1" = 20'
PROJECT: SITE GRADING AND UTILITY PLAN
SHEET NO.: 1314-01-001
C-11



AREA UNDER
STUDY/NOT FOR
CONSTRUCTION

- LEGEND**
- SET POINT
 - CONSTRUCTION ENTRANCE
 - WASH RACK
 - INLET PROTECTION
 - LIMITS OF CLEARING & GRADING
 - DRAINAGE DITCH



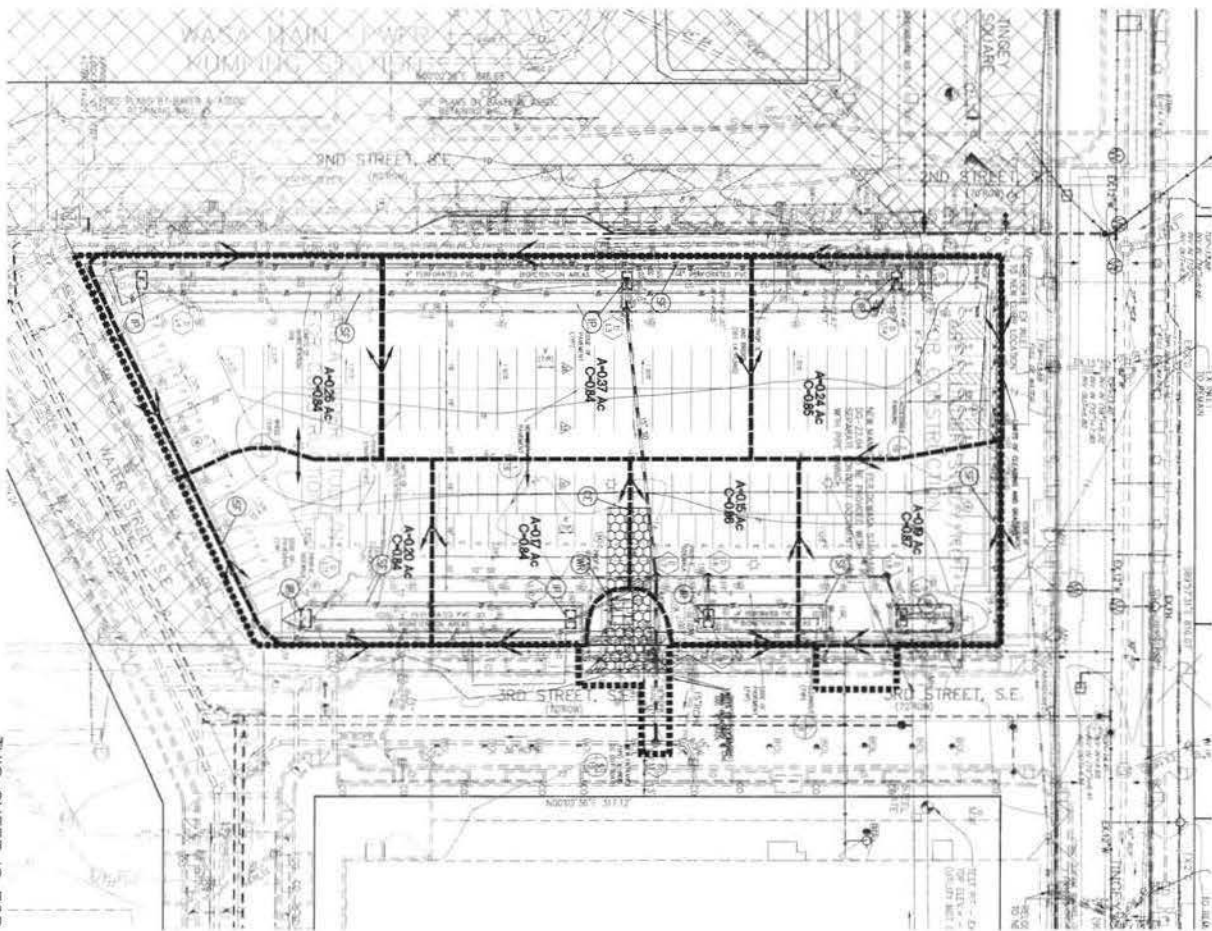
THIS SHEET IS FOR SEDIMENT AND EROSION CONTROL ONLY!

SOUTHEAST FEDERAL CENTER
INTERIM PARKING LOTS
"PARCELS H/1, L, O, Q"

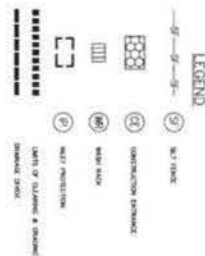
PARCEL "H/1"
SEDIMENT AND EROSION
CONTROL PLAN

DATE: JUNE 15, 2017
DES: [blank]
SCALE: 1"=50'
PROJECT/REV: [blank]
SHEET NO: C-12

1214 FIRST STREET
S.E. WASHINGTON, D.C.



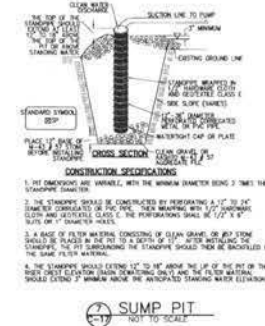
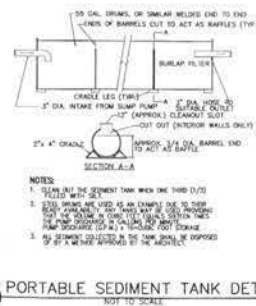
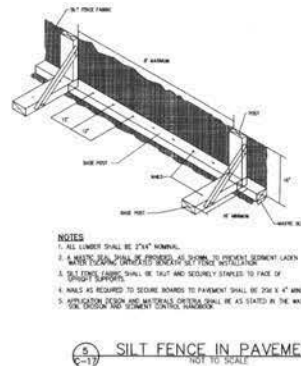
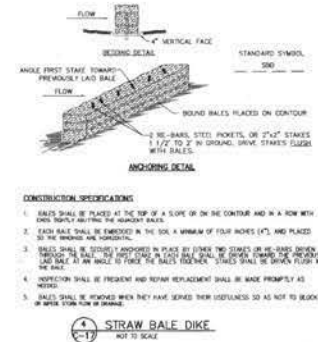
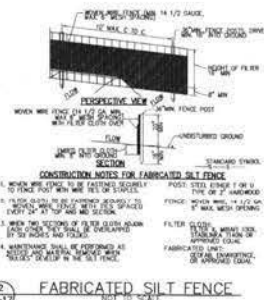
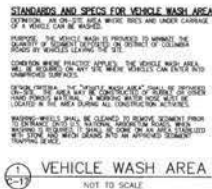
THIS SHEET IS FOR SEDIMENT AND EROSION CONTROL ONLY.



PARCEL "L" SEDIMENT AND EROSION CONTROL PLAN

SOUTHEAST FEDERAL CENTER
INTERIM PARKING LOTS
"PARCELS H/I, L, O, Q"
1314 FIRST STREET
S.E. WASHINGTON, D.C.

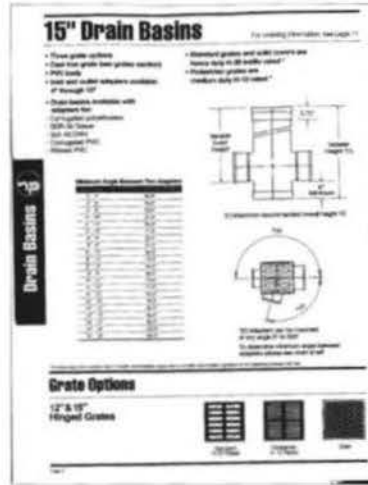
VIFA
VIRGINIA INFRASTRUCTURE ASSOCIATION
MEMBERSHIP: PLANNERS • LANDSCAPE ARCHITECTS • SURVEYORS • GPS SERVICES
VIFA INCORPORATED
4000 GREENWOOD DRIVE, SUITE 100 • FALLS CHURCH, VIRGINIA 22042
(703) 441-1000 • FAX (703) 441-1001
FALLS CHURCH, VA • CHANTILLY, VA • LEBANON, VA



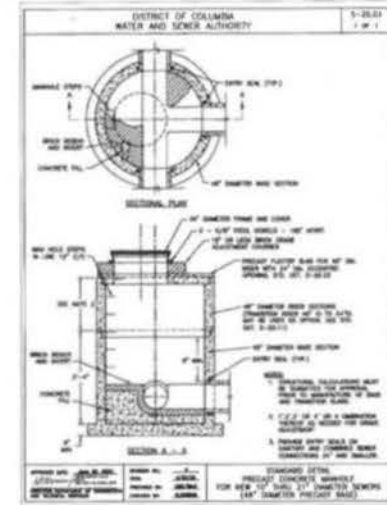


NOTE: ALL SLOPES SHALL BE PROVIDED FOR THE LABORATORY ON THE BASIS OF THE 1% SLOPE. IF THE 1% SLOPE IS NOT FEASIBLE, THE 1% SLOPE SHALL BE INCREASED TO 2% OR GREATER. NO SURFACE INCREASE IS REQUIRED.

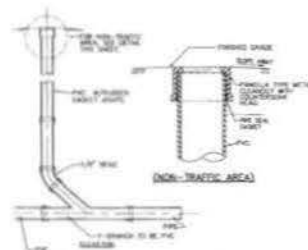
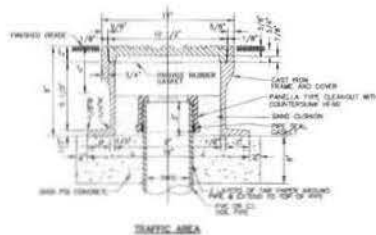
PRIVATE ON-SITE BITUMINOUS CONCRETE PAVING
NOT TO SCALE



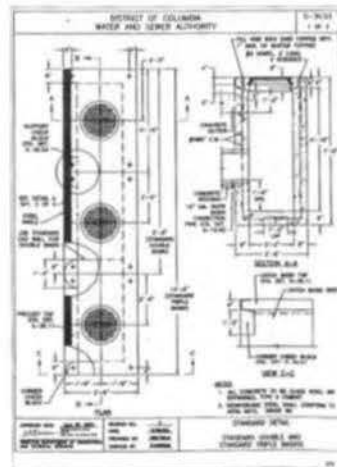
PROVIDE 1/4" MINIMUM SLUMP BELOW INVERT BUT PROVIDE STANDARD GRADE
STRUCTURE TO BE PROVIDED BY HYDRAPLAST AMERICA, INC. (OR APPROVED EQUAL)
AREA DRAIN DETAIL
NOT TO SCALE



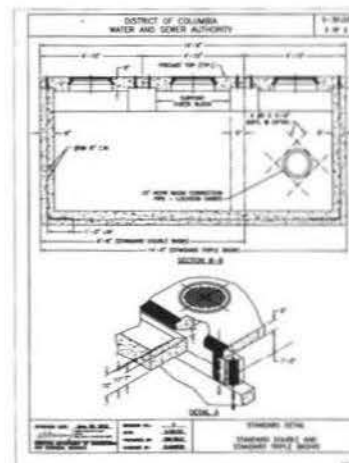
PRECAST MANHOLE FOR 10"-21" SEWERS
NOT TO SCALE



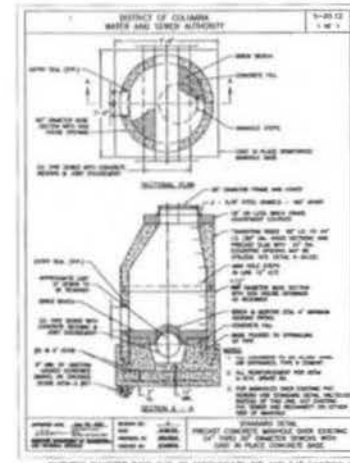
STANDARD CLEANOUT
NOT TO SCALE



STANDARD DOUBLE AND TRIPLE BASINS
NOT TO SCALE



PRECAST MANHOLE OVER EXISTING 36" AND 54" DIAMETER SEWERS
NOT TO SCALE



PRECAST MANHOLE OVER EXISTING 36" AND 54" DIAMETER SEWERS
NOT TO SCALE

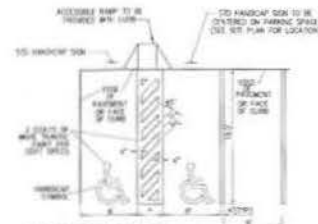
[illegible]

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DATE 08-16-2011 BY 60322 UCBAW/BJS

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[illegible]

NOTE:
CONTRACTOR TO VERIFY EXISTING
UNDERGROUND AND SURFACE
UTILITIES OF ALL TRENCH UTILITIES
BEFORE TO EXCAVATE AND PROTECT
THEM FOR REMOVAL OR REPAIR.
IF THERE ARE ANY UNRECORDED
UTILITY LOCATIONS, NOTIFY THE
CITY OF SAN ANTONIO.



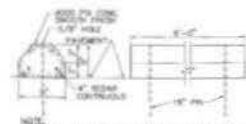
2 ACCESSIBLE PARKING STALL LAYOUT
NOT TO SCALE



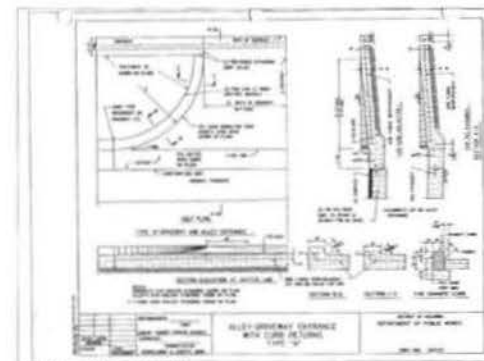
3
C-19

HANDICAP ACCESS STENCIL LAYOUT

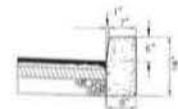
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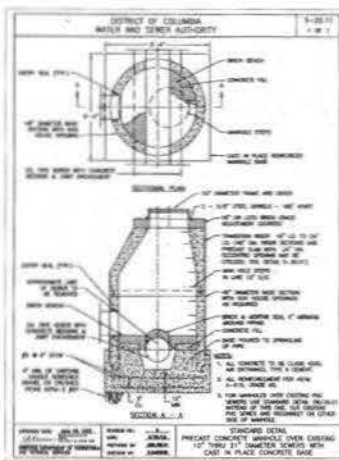
4 CONCRETE WHEEL STOP
NOT TO SCALE



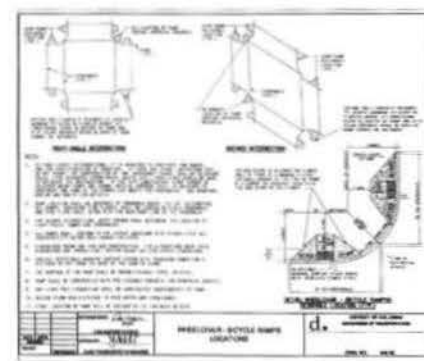
5 DRIVEWAY ENTRANCE TYPE 'A'



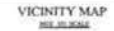
6 PRIVATE ON-SITE CURB
C-19 NOT TO SCALE

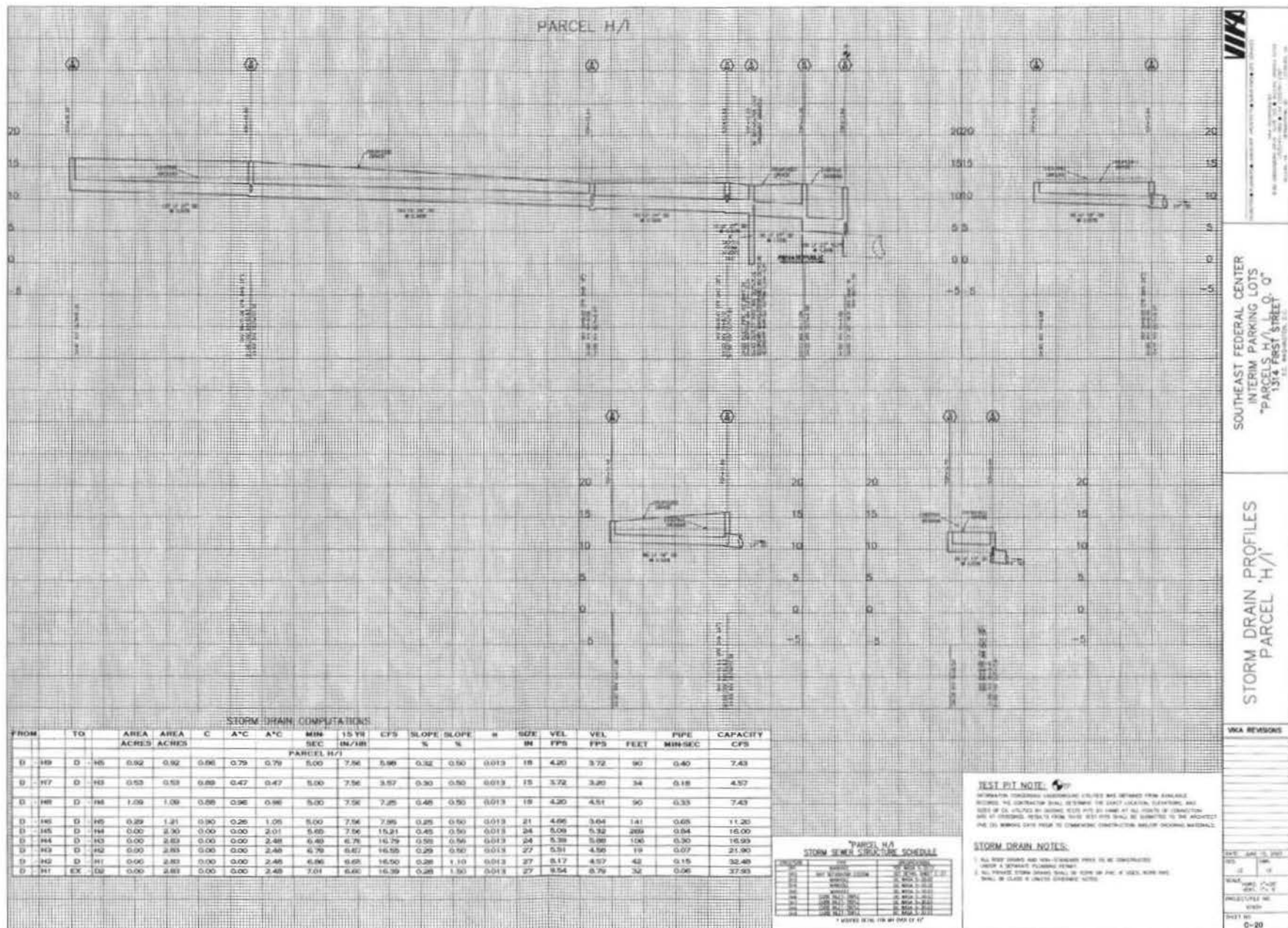


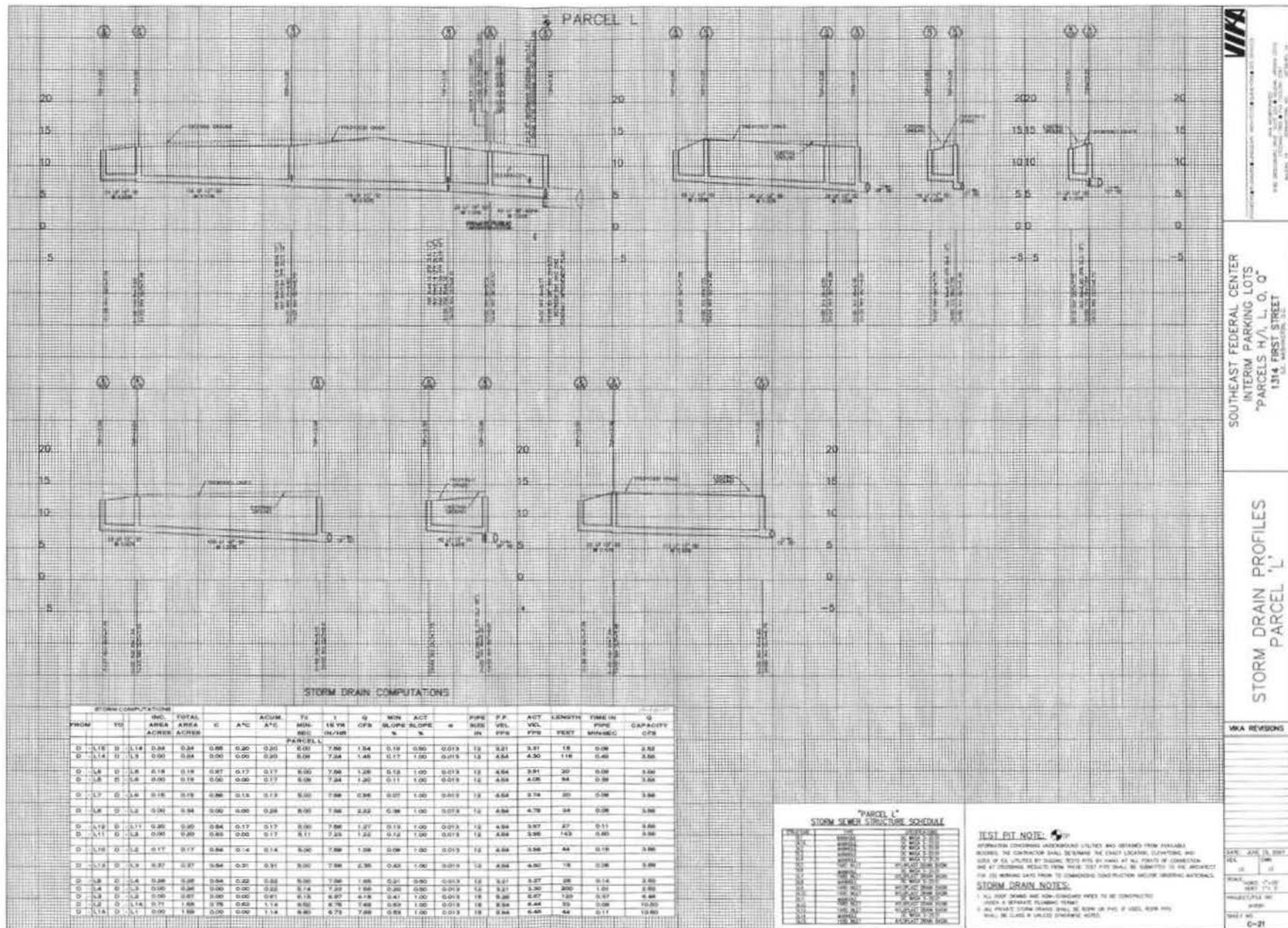
PRECAST MANHOLE OVER EXISTING 10"-21"
DIAMETER SEWERS

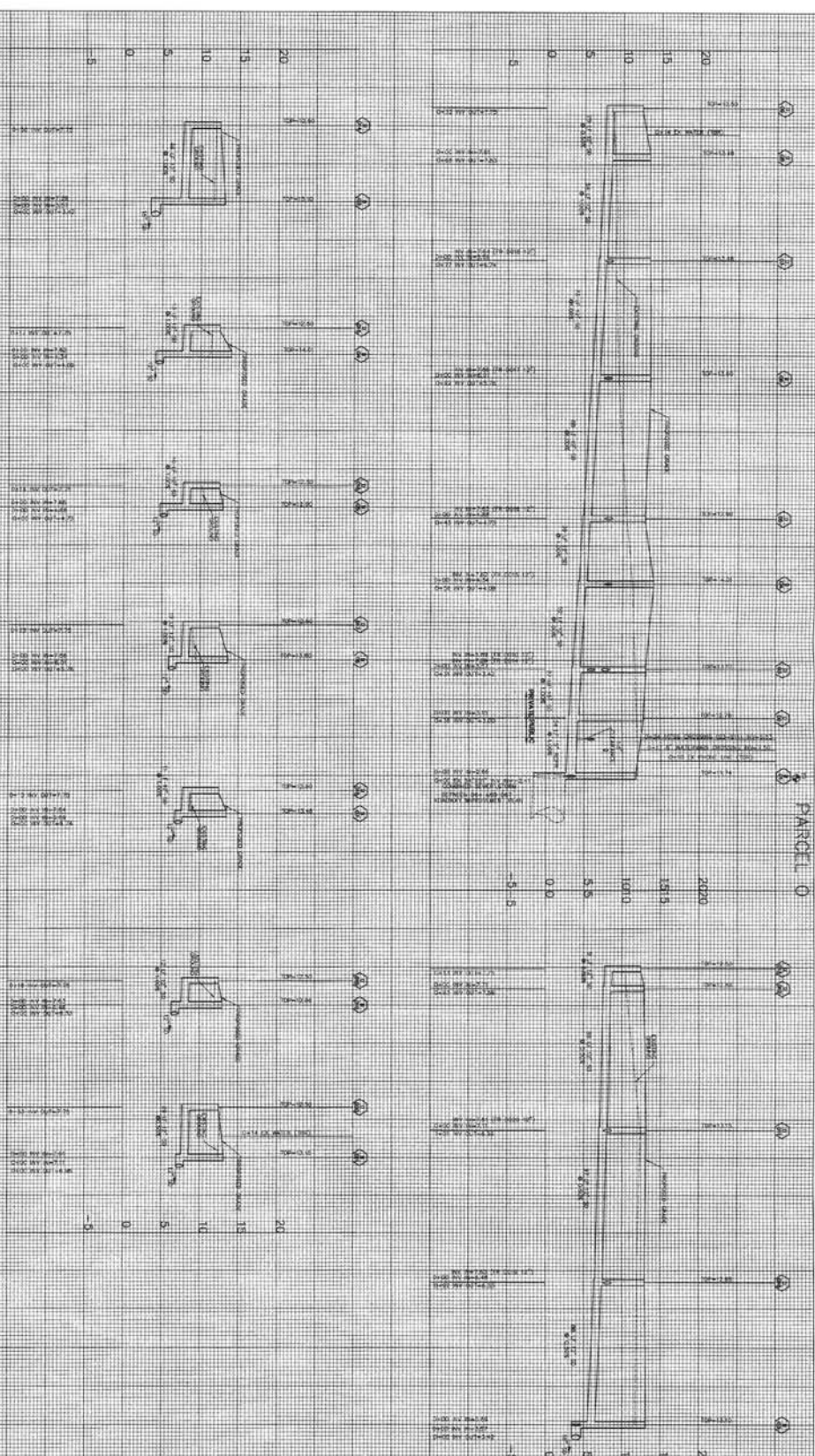


 **HANDICAP RAMP DETAIL**
NOT TO SCALE







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PARCEL OF STORM SCAR STRUCTURE SCHEDULE		DATE	
NO.	DESCRIPTION	DATE	AMOUNT
1	STORM SCAR STRUCTURE SCHEDULE	1/1/19	100.00
2		2/1/19	100.00
3		3/1/19	100.00
4		4/1/19	100.00
5		5/1/19	100.00
6		6/1/19	100.00
7		7/1/19	100.00
8		8/1/19	100.00
9		9/1/19	100.00
10		10/1/19	100.00
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91		7/1/26	100.00

TEST PIT NOTE: INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONSTRUCTION SHALL BE PERFORMED IN EXACT LOCATION, ELEVATIONS, AND SIZES OF EX. UTILITIES BY EXISTING TESTS PIT BE MARKED AT ALL POINTS OF CONNECTION AND DISCHARGE. RECORD FROM EXISTING TEST PIT SHALL BE SUBMITTED TO THE ARCHITECT. THE (1) WORKMAN SHALL PRIOR TO CONDUIT/CONSTRUCTION AND/OR DRAINAGE MATERIALS.

STORM DRAIN NOTES:



8180 GREENBORG DRIVE, SUITE 200 ■ NALFAM, VIRGINIA 22089
(703) 442-1860 ■ FAX (703) 761-2787

STORM DRAIN PROFILES
PARCEL 'Q'

STORM DRAIN NOTES:
ALL ROOF DRAIN SLOPE STANDARD 1/2% TO BE CONSTRUCTED UNDER A SPREADER (TYPICAL) PERMIT
ALL EXISTING STORM DRAIN SHALL BE REPAIRED PER CITY CODES. REPAIR PER SHALL BE 1/2% TO BE CONSTRUCTED PER CITY CODES.

STORM DRAIN NOTES:

1. ALL WORK SHOWN AND NOT CONSTRUCTED TO BE CONSTRUCTED UNDER A SEPARATE PLUMBING PERMIT.
2. ALL FINISHES (TILES, GROUT, ETC.) TO BE DONE BY SUBS. OWNER SHALL BE RESPONSIBLE FOR FINISHES CONTRACTOR WORK.

PARCEL OF
STORM WATER STRUCTURAL SCHEDULE

[illegible]

C-2

Placement
The shell is placed in 1/10 of V. The soil shall be returned after each 10 cent value from the collection. Any sediment below about 10 cent from the collection shall be placed or returned from the water surface. No equipment will be allowed to be driven over the soil area.

[illegible]

MAINTENANCE SCHEDULE FOR BIORETENTION AREAS & AREA PLANT SPECIFICATIONS



THE



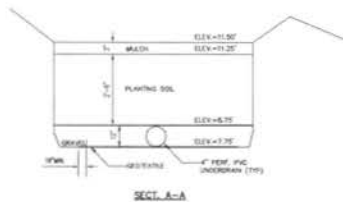
2. SEE LANDSCAPE PLANS FOR BIORETENTION AREAS PLANTING PLANS
(SEE SHEETS L100-104)

Date: Telephone No. (703) 444-

Date issued: _____

PARCEL L

DESIGN OF SUBSTATION		DATE: 12/22/2011
WATER QUALITY SECTION		PRINTED: 01/11/2012
PROJECT	SHEET NUMBER: 1	
STORM DRAINAGE = 13 acres		
STORM DRAINAGE = 24.00 acres		
10% RAIN COMPACTION = 0.25 x 1.0 = 0.25		
RAINFALL INTENSITY: 1" = 7.34 IN/HR		
1. DRAINAGE AREA		
10% AREA	0.625 acres	
10% IMPERVIOUS AREA	0.438	
10% PAVED CATCHMENT	0.0	
10% PAVED PARKWAY	0.142 acres	
2. ESTIMATED WATER QUALITY DRAINAGE RUN: 1.00 mi @ 45 ft		
3. DRAINAGE		
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C-25

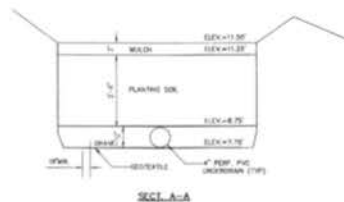
DETAIL BIORETENTION BMP FACILITY

1"=10'

NOTE

THE INFORMATION FILM RFP SYSTEM IS TO BE PRIVATELY OWNED AND MAINTAINED.

PARCEL 0

[illegible]

2 DETAIL BIORETENTION BMP FACILITY
C-25 1"=10'

NOTE

THE INFORMATION FILTERING SYSTEM IS TO BE PROVIDED, OWNED AND MAINTAINED.

PARCEL Q

DESIGN OF RAIN STATION DATE: 1/22/2019
PRINTED: 1/23/2019

WATER QUALITY SYSTEM PROJECT: STFC PARKING 2

STORM FREQUENCY = 15 years

STORM DURATION = 24 hours

TIME OF CONCENTRATION = 3.0 min

RAINFALL INTENSITY $I = 1.14 \text{ in/hr}$

1. DRAINAGE AREA

SITE AREA	8.10 acres
IMPERVIOUS AREA	8.10
RUNOFF COEFFICIENT "C"	0.14
FIRST LAYER STORAGE	0.1 inches

2. REQUIRED WATER QUALITY POLYMER $WQ = F \times P \times A \times I$

WHERE:

F = RAINFALL INTENSITY, RAINFALL DURATION	1.14
P = 15 MIN DUTY	1
A = DRAINAGE AREA, SITE AREA	8.10

WQ = 1440.36 cu. ft.

3. DISCONTINUATION MUST HOLD 1/2 OF THE WQ PRIOR TO FILTRATION THROUGH POROUS FILTER, 1.00"

TOPSOIL STORAGE = 720.18 cu. ft.

4. DISCONTINUATION SIZE

PERCENT POROSITY RECOMMENDED	
GRAVEL FILTER, 20% - 30%	60%
SPRICK LAYER, 2" - 3"	2"

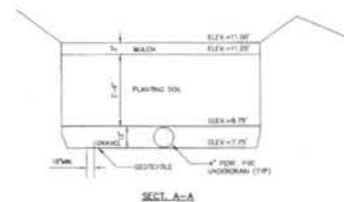
5. FILTER BED AREA, $A = WQ / (C \times A \times (R \times I) \times (P \times I))$

A = SURFACE OF FILTER, SF	
WQ = WATER QUALITY POLYMER, CF	= 1440.36
R = FILTER BED PORE %	= 1.50%
C = COEFF. OF PERMEABILITY	= 1.00"
P = PORE % OF WATER ABOVE FILTER BED	= 1.50%
I = DISCONT. FILTER BED, INCH THICK	= 2.00"
SI = CF	= 5.10%
	4671.56

6. FACILITY SIZE

TOP SOIL - TOPSOIL STORAGE	= 12.30 cu. ft.
TOP SOIL - 2" SPRICK LAYER	= 13.30 cu. ft.
TOP SOIL - 3" THICK LAYER	= 12.30 cu. ft.
DISCONT. OF STORAGE	= 0.75 cu. ft.
INVERT OF 4" DISCONTINUATION	= 12.50 cu. ft.
TOP OF STAGING, 18"	= 12.50 cu. ft.
INVERT OF TOP OF STAGING, 18"	= 12.50 cu. ft.
AREA PROVIDED TO TOP OF STAGING	= 1135.50 SQ. FT.
AREA PROVIDED 9 TOP OF STORAGE	= 1440.36 SQ. FT.

VOLUME REQUIRED 1135.50 cu. ft.



3
C-25

DETAIL BIORETENTION BMP FACILITY

1" = 10'

NOTE

THIS BREATHATION FILTER SWP SYSTEM IS TO BE PRIVATELY OWNED AND MAINTAINED.

BAYSAYER SEPARATOR SYSTEM PARCEL H/I

THIS SEPARATOR SYSTEM IS BASED ON THE PEAK FLOW RATE
OF THE SITE AS SHOWN BELOW.

Depth of First Flood:	Roofs and Sidewalks	0.32 MPH
Peak Intensity:	Parking Lots and Roadways	0.53 MPH
Run Intensity:		
1 Year		5.20 MPH
15 Year		7.50 MPH
C Factor:	Impervious	0.9
	Permeous	0.35
Enter Site Details (Post Developed Values):		
Impervious Area	7,000 Yards and Sidewalks	
Permeous Area	2,000 Parking Lots and Roadways	
Total Site Area	9,000	
Determine Site Impervious Factor:		
On	0.64	
Determine Flow Rates for C2250 and C2500:		
C2250	5.27 MPH	
C2500	7.50 MPH	

Using BaySaver® Separation Systems

The best way to size the BaySaver Separator Unit is to calculate the flow rate that will be conveyed through the system. In this way, it can be determined which separator unit best meets site specific design, capacities and local regulations. The flow difference rates of separator unit have the hydraulic capacities on cubic feet per second (cfs) shown in Table 1.

BaySaver® Separator Unit	Maximum Treatment Flow Rate (cfs)	Peak Design Flow Rate (cfs)	Head Loss (Feet)
1K	1.1	4.0	4.1
2K	2.2	8.0	8.2
3K	3.3	12.0	12.3
4K	4.4	16.0	16.4
5K	5.5	20.0	20.5
6K	6.6	24.0	24.6
7K	7.7	28.0	28.7
8K	8.8	32.0	32.8
9K	9.9	36.0	36.9
10K	11.0	40.0	41.0

The BaySaver Separator Unit can also be used for impervious storage if the flow rate generated over an area takes into account regional differences and local regulations for your area. For example, Table 2 shows recommended design guidelines based on impervious storage and in Mount Key, Maryland. The site specific conditions in your area may be different, and BaySaver Technologies is available to help adjust calculations to your local conditions.

Impervious Drainage Area (acres)	Separator Unit Size	Primary Manhole Minimum Diameter (inches)	Storage Manhole Minimum Diameter (inches)
<0.5	1K	48	48
<1.0	2K	60	60
<1.5	3K	72	72
<2.0	4K	84	84
<2.5	5K	96	96
<3.0	6K	108	108

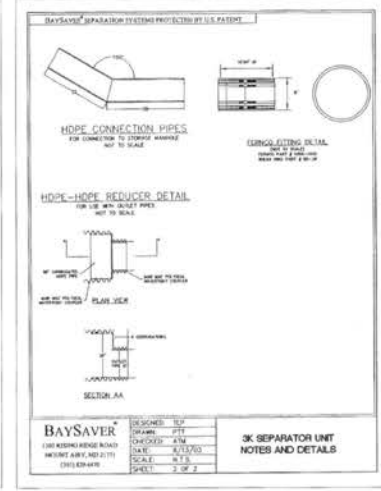
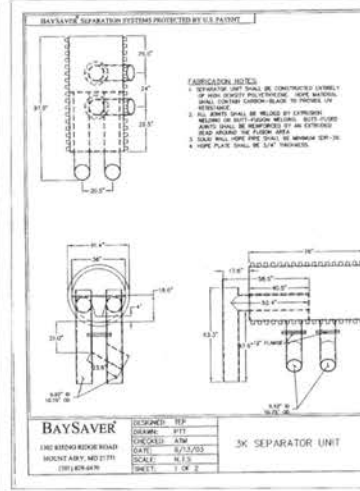
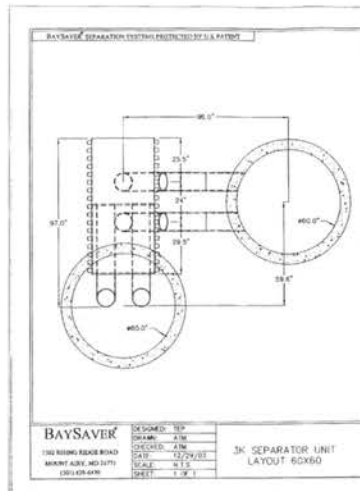
Storage Capacities

BaySaver® Separator Systems retain the trapped pollutants in the two pre-set manholes. Maintenance is required when the accumulated sediments in either manhole reach a height of two feet from the floor. The maintenance interval for a typical installation is determined by the sediment buildup, on-site site, and BaySaver will not accumulate at the same rate as the solids.

BaySaver® Separator System Size	Total System Capacity (cubic ft)	Sediment Capacity (cubic ft)	Floatability * Capacity (cubic ft)
1K 48x48	1122 (210)	1.41 (28)	187 (25)
2K 48x60	1441 (191)	1.78 (48)	239 (32)
3K 48x72	1830 (243)	2.26 (61)	307 (41)
4K 48x84	2303 (291)	2.86 (76)	377 (51)
5K 48x96	2772 (337)	3.57 (94)	459 (64)
6K 48x108	3241 (395)	4.30 (114)	551 (77)
7K 48x120	3710 (453)	5.13 (133)	656 (88)
8K 48x132	4179 (511)	6.00 (153)	774 (100)
9K 48x144	4648 (569)	6.97 (173)	892 (112)
10K 48x156	5117 (627)	7.94 (193)	1010 (124)
11K 48x168	5586 (685)	8.91 (213)	1128 (136)
12K 48x180	6055 (743)	9.88 (233)	1246 (148)
13K 48x192	6524 (801)	10.85 (253)	1364 (160)
14K 48x204	6993 (859)	11.82 (273)	1482 (172)
15K 48x216	7462 (917)	12.79 (293)	1600 (184)
16K 48x228	7931 (975)	13.76 (313)	1718 (196)
17K 48x240	8400 (1033)	14.73 (333)	1836 (208)
18K 48x252	8869 (1091)	15.70 (353)	1954 (220)
19K 48x264	9338 (1149)	16.67 (373)	2072 (232)
20K 48x276	9807 (1207)	17.64 (393)	2190 (244)
21K 48x288	10276 (1265)	18.61 (413)	2308 (256)
22K 48x300	10745 (1323)	19.58 (433)	2426 (268)
23K 48x312	11214 (1381)	20.55 (453)	2544 (280)
24K 48x324	11683 (1439)	21.52 (473)	2662 (292)
25K 48x336	12152 (1497)	22.49 (493)	2780 (304)
26K 48x348	12621 (1555)	23.46 (513)	2898 (316)
27K 48x360	13090 (1613)	24.43 (533)	3016 (328)
28K 48x372	13559 (1671)	25.40 (553)	3134 (340)
29K 48x384	14028 (1729)	26.37 (573)	3252 (352)
30K 48x396	14497 (1787)	27.34 (593)	3370 (364)
31K 48x408	14966 (1845)	28.31 (613)	3488 (376)
32K 48x420	15435 (1903)	29.28 (633)	3606 (388)
33K 48x432	15904 (1961)	30.25 (653)	3724 (400)
34K 48x444	16373 (2019)	31.22 (673)	3842 (412)
35K 48x456	16842 (2077)	32.19 (693)	3960 (424)
36K 48x468	17311 (2135)	33.16 (713)	4078 (436)
37K 48x480	17780 (2193)	34.13 (733)	4196 (448)
38K 48x492	18249 (2251)	35.10 (753)	4314 (460)
39K 48x504	18718 (2309)	36.07 (773)	4432 (472)
40K 48x516	19187 (2367)	37.04 (793)	4550 (484)
41K 48x528	19656 (2425)	38.01 (813)	4668 (496)
42K 48x540	20125 (2483)	38.98 (833)	4786 (508)
43K 48x552	20594 (2541)	39.95 (853)	4904 (520)
44K 48x564	21063 (2599)	40.92 (873)	5022 (532)
45K 48x576	21532 (2657)	41.89 (893)	5140 (544)
46K 48x588	22001 (2715)	42.86 (913)	5258 (556)
47K 48x600	22470 (2773)	43.83 (933)	5376 (568)
48K 48x612	22939 (2831)	44.80 (953)	5494 (580)
49K 48x624	23408 (2889)	45.77 (973)	5612 (592)
50K 48x636	23877 (2947)	46.74 (993)	5730 (604)
51K 48x648	24346 (3005)	47.71 (1013)	5848 (616)
52K 48x660	24815 (3063)	48.68 (1033)	5966 (628)
53K 48x672	25284 (3121)	49.65 (1053)	6084 (640)
54K 48x684	25753 (3179)	50.62 (1073)	6202 (652)
55K 48x696	26222 (3237)	51.59 (1093)	6320 (664)
56K 48x708	26691 (3295)	52.56 (1113)	6438 (676)
57K 48x720	27160 (3353)	53.53 (1133)	6556 (688)
58K 48x732	27629 (3411)	54.50 (1153)	6674 (700)
59K 48x744	28098 (3469)	55.47 (1173)	6792 (712)
60K 48x756	28567 (3527)	56.44 (1193)	6910 (724)
61K 48x768	29036 (3585)	57.41 (1213)	7028 (736)
62K 48x780	29505 (3643)	58.38 (1233)	7146 (748)
63K 48x792	29974 (3701)	59.35 (1253)	7264 (760)
64K 48x804	30443 (3759)	60.32 (1273)	7382 (772)
65K 48x816	30912 (3817)	61.29 (1293)	7500 (784)
66K 48x828	31381 (3875)	62.26 (1313)	7618 (796)
67K 48x840	31850 (3933)	63.23 (1333)	7736 (808)
68K 48x852	32319 (3991)	64.20 (1353)	7854 (820)
69K 48x864	32788 (4049)	65.17 (1373)	7972 (832)
70K 48x876	33257 (4107)	66.14 (1393)	8090 (844)
71K 48x888	33726 (4165)	67.11 (1413)	8208 (856)
72K 48x900	34195 (4223)	68.08 (1433)	8326 (868)
73K 48x912	34664 (4281)	69.05 (1453)	8444 (880)
74K 48x924	35133 (4339)	70.02 (1473)	8562 (892)
75K 48x936	35602 (4397)	70.99 (1493)	8680 (904)
76K 48x948	36071 (4455)	71.96 (1513)	8798 (916)
77K 48x960	36540 (4513)	72.93 (1533)	8916 (928)
78K 48x972	37009 (4571)	73.90 (1553)	9034 (940)
79K 48x984	37478 (4629)	74.87 (1573)	9152 (952)
80K 48x996	37947 (4687)	75.84 (1593)	9270 (964)
81K 48x1008	38416 (4745)	76.81 (1613)	9388 (976)
82K 48x1020	38885 (4803)	77.78 (1633)	9506 (988)
83K 48x1032	39354 (4861)	78.75 (1653)	9624 (1000)
84K 48x1044	39823 (4919)	79.72 (1673)	9742 (1012)
85K 48x1056	40292 (4977)	80.69 (1693)	9860 (1024)
86K 48x1068	40761 (5035)	81.66 (1713)	9978 (1036)
87K 48x1080	41230 (5093)	82.63 (1733)	10096 (1048)
88K 48x1092	41699 (5151)	83.60 (1753)	10214 (1060)
89K 48x1104	42168 (5209)	84.57 (1773)	10332 (1072)
90K 48x1116	42637 (5267)	85.54 (1793)	10450 (1084)
91K 48x1128	43106 (5325)	86.51 (1813)	10568 (1096)
92K 48x1140	43575 (5383)	87.48 (1833)	10686 (1108)
93K 48x1152	44044 (5441)	88.45 (1853)	10804 (1120)
94K 48x1164	44513 (5499)	89.42 (1873)	10922 (1132)
95K 48x1176	44982 (5557)	90.39 (1893)	11040 (1144)
96K 48x1188	45451 (5615)	91.36 (1913)	11158 (1156)
97K 48x1200	45920 (5673)	92.33 (1933)	11276 (1168)
98K 48x1212	46389 (5731)	93.30 (1953)	11394 (1180)
99K 48x1224	46858 (5789)	94.27 (1973)	11512 (1192)
100K 48x1236	47327 (5847)	95.24 (1993)	11630 (1204)

* Minimum and Maximum storage capacities given in this table reflect the recommended maintenance interval.

BASED ON THE STORMWATER CAPACITIES AND DESIGN REQUIREMENTS AS SHOWN ABOVE.
PARCEL H/I REQUIRES 3K 3000 SEPARATOR UNIT.



3K SEPARATOR UNIT

NOTE:
THIS SEPARATOR SYSTEM IS TO
BE PRIVATELY OWNED AND MAINTAINED.

3K SEPARATOR UNIT NOTES AND DETAILS

NOTE:
THIS SEPARATOR SYSTEM IS TO
BE PRIVATELY OWNED AND MAINTAINED.

BAYSAYER SEPARATOR SYSTEM MAINTENANCE REQUIREMENTS

Maintenance Instructions

- For each BaySaver System, there are 2 manholes to clean: the **primary manhole** and **storage manhole**. You may view the maintenance animation on our website.
- Storage manhole:** Use a vacuum truck or other similar equipment to remove all water, debris, oils and sediment.
- Primary manhole:** Use a high pressure hose to clean the manhole of all the remaining sediment and debris. Then, use the vacuum truck to remove the water.
- Primary manhole:** Use a submersible pump to pump the bulk of the water from the primary manhole into the clean storage manhole.
 - Keep the pump intake below the water surface.
 - Stop pumping when the water surface is one (1) foot above the accumulated sediments.
- Primary manhole:** Use a vacuum truck or other similar equipment to remove all water, debris, oils and sediment.
- Primary manhole:** Use a high pressure hose to clean the manhole of all the remaining sediment and debris. Then, use the vacuum truck to remove the water.
- Primary manhole:** Fill the cleaned primary manhole with water until you have a depth of 8 feet (or 2.44 meters).
- Storage manhole:** Top off the storage manhole with water until you have a depth of 8 feet (or 2.44 meters).
- Replace the two manhole covers.
- Dispose of the polluted water, oils, sediment and trash at an approved facility.
 - Local regulations prohibit the discharge of solid material into the sanitary system. Check with the local sewer authority for authority to discharge the liquid.
 - Many places treat the pollutants as inorganic. Check with local regulators about disposal requirements.

Important: Additional local regulations may apply to the maintenance procedure.

This procedure is intended to remove all the collected pollutants from the system while maintaining the volume of water that must be disposed. Additional local regulations may apply to the maintenance procedure. Safe and legal disposal of pollutants is the responsibility of the maintenance contractor; therefore maintenance should be performed only by a qualified contractor.

BaySaver Technologies® can assist in coordinating a maintenance contractor in the installation area, or work directly with owners who wish to perform their own maintenance. Contact BaySaver Technologies at 1-800-229-7383 (1-800-BaySaver) for more information.

EASY INSPECTION

ONE OF THE ADVANTAGES OF BAYSAYERWATER IS THAT IT'S DESIGN OFFERS UNRESTRICTED ACCESS FOR POLLUTANT INSPECTION AND REMOVAL. BY PROVIDING OTHER MANHOLE COVERS, BAYSAYERWATER CAN EASILY BE SEEN FROM THE SURFACE, MAKING CONFINED SPACE ENTRY UNNECESSARY. INSPECTION CAN BE PERFORMED WITHOUT SPECIAL EQUIPMENT AND BY MAINTAINING MINIMUM LEVELS. APPROXIMATE WHEN THE NECESSARY EQUIPMENT IS IN OTHER STRUCTURES REACH A HEIGHT OF TWO FEET FROM THE MANHOLE FLANGE. MAINTENANCE SHOULD BE PERFORMED ON THE SYSTEM.

THE MAINTENANCE CYCLE TYPICALLY FALLS INTO AN ANNUAL CYCLE WITH SEVERAL LOGGING AND SOME INSPECTION OF THE SYSTEM IS RECOMMENDED QUARTERLY FOR THE FIRST YEAR OR MORE TO DETERMINE THE APPROPRIATE CYCLE BASED ON SITE CHARACTERISTICS.

EASY MAINTENANCE

FOUR EASY STEPS TO MAINTAINING BAYSAYERWATER:
1. IT'S EASY TO USE RIGHT AFTER INSTALLATION. WE HAVE PRE-ASSEMBLED A REDUCED RATE WITH SEVERAL STORM SEWER MAINTENANCE SERVICE PROVIDERS. WE WILL ASSIST YOU IN SETTING THE BEST POSSIBLE PRICE FROM THEM AND THEN FORWARD THE CONTRACT TO YOU. ALL THAT IS LEFT FOR YOU TO DO IS PAY THE CONTRACT BACK ON MAY 15 TO BAYSAYER TECHNOLOGIES, INC.
2. BY DOING BAYSAYERWATER FROM BAYSAYER TECHNOLOGIES YOU'VE ASSURED YOURSELF OF ACQUIRING A STORMWATER TREATMENT SYSTEM THAT COMPLETES WITH EVERY MEASURE OF PHASE 1 (DESIGN) OF THE CLEAN WATER ACT. THANK YOU FOR YOUR BUSINESS AND ENJOYING YOUR COMPLIANCE.
3. THE CLEAN WATER ACT STATES THAT ANY REGULATOR ENTERING BAYSAYERWATER MUST HAVE A PLAN IN PLACE TO MAINTAIN THE SYSTEM. THIS INCLUDES MAINTAINING THE BMP TREATMENT SYSTEM TO DO OTHERWISE, EVEN IN EMERGENCY, MAY BE THE POSSIBILITY OF LARGE FLOODS AND DEATHS.
4. AS A MAJOR ADD-ON SERVICE TO OUR CUSTOMERS, BAYSAYER TECHNOLOGIES WILL KEEP A COPY OF THE INSPECTION AND MAINTENANCE RECORDS AT OUR FACILITIES. WE KEEP ALL OF YOUR MAINTENANCE DOCUMENTATION IN THE PLACE, MAKING CHECKING RECORDS AVAILABLE WHEN REGULATORY AGENCIES REQUIRE PROOF OF COMPLIANCE.