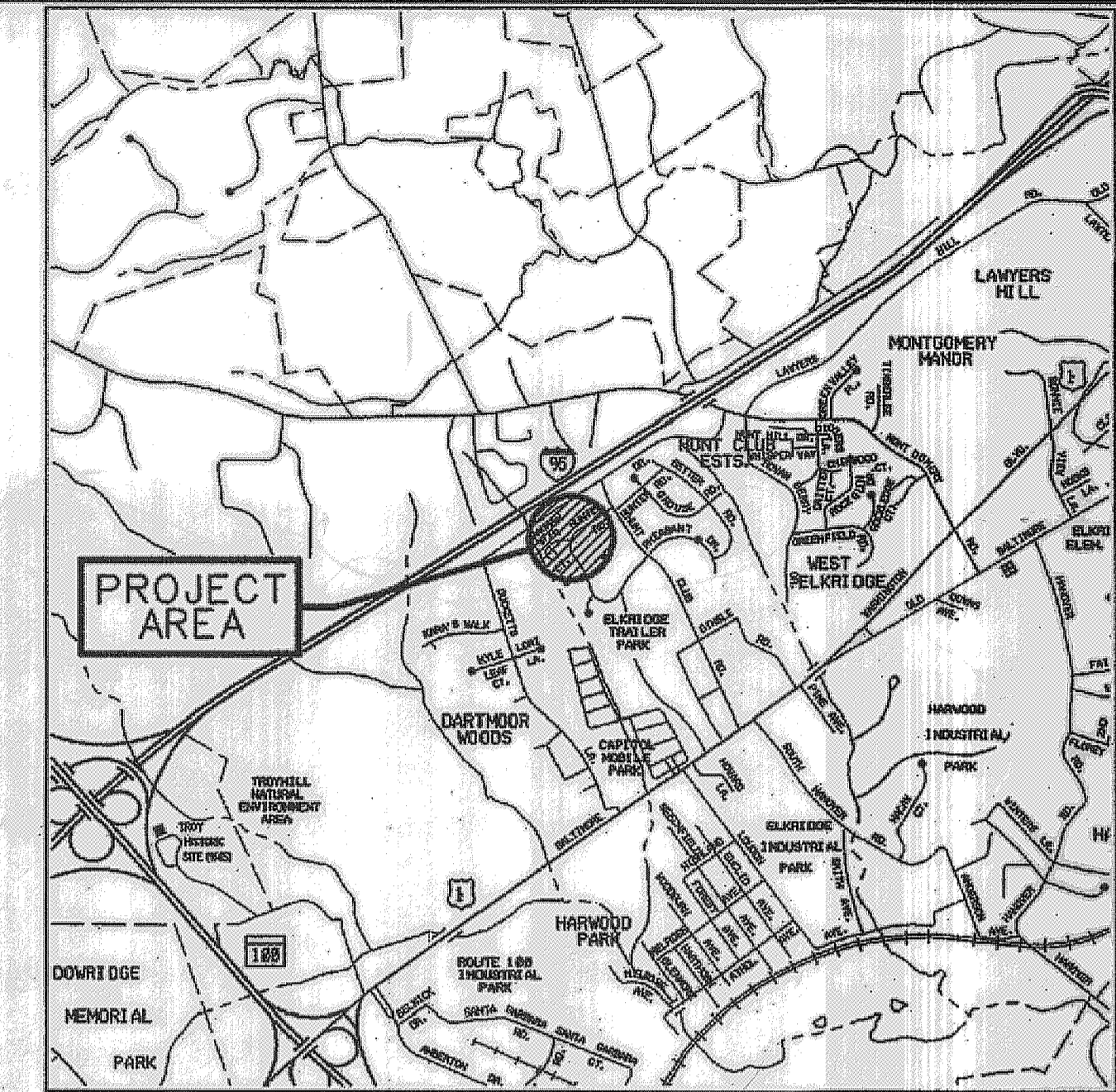


# STIPA COURT DRAINAGE IMPROVEMENTS

## HOWARD COUNTY, MARYLAND STORMWATER MANAGEMENT DIVISION CAPITAL PROJECT D-1118



VICINITY MAP  
SCALE: 1" = 2,000'

### LEGEND

— LOD —	LIMIT OF DISTURBANCE
— OSF —	ORANGE SAFETY FENCE
— SD —	STORM DRAIN PIPE
	SOIL STABILIZATION MATTING
	TREE PROTECTION FENCE
	NON-TIDAL WETLAND
	EXISTING TREE LINE
— S —	EXISTING SEWER LINE
	STABILIZED CONSTRUCTION ENTRANCE
— — — — —	PROPERTY LINE
— SD —	EXISTING STORM DRAIN
	EX. TREES
— 180 —	EXIST. MAJOR CONTOUR
— 183 —	EXIST. MINOR CONTOUR
— 346 —	PROP. CONTOURS
⊗ PST	PORTABLE SEDIMENT TANK
	STANDARD INLET PROTECTION
— WB —	WETLAND BUFFER
— TEL/ELEC —	EXISTING TELEPHONE/ELECTRIC
— G —	EXISTING GAS
— CATV —	EXISTING CABLE

### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STORM DRAIN PLAN
3	PROFILE & DETAILS
4	EROSION & SEDIMENT CONTROL PLAN SHEET
5	EROSION & SEDIMENT CONTROL NOTES & DETAILS

### SITE ANALYSIS DATA CHART

- TOTAL PROJECT AREA: 0.11 ACRES.
- DISTURBED AREA: 0.11 ACRES (4,981 SF).
- PROPOSED USE FOR THE SITE: DRAINAGE IMPROVEMENTS
- APPLICABLE DPZ FILE REFERENCES: F-87-042/PLAT NO. 7749, F-88-183.

### GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS, BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 5 DAYS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- THE COORDINATES SHOWN HEREON ARE BASED ON HOWARD COUNTY GEODETIC CONTROL, WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. BENCHMARKS SHOWN HEREON WERE PROVIDED BY HOWARD COUNTY SURVEY DIVISION AND AB CONSULTANTS.
- EXISTING UTILITIES ARE BASED ON FIELD SURVEYS AND AVAILABLE RECORD DRAWINGS.
- THE WETLAND DELINEATION FOR THIS PROJECT WAS PERFORMED BY HOWARD COUNTY DPW.
- TOPOGRAPHIC SURVEY OF THE SITE WAS PERFORMED BY AB CONSULTANTS, INC. IN NOVEMBER 2011.
- A JOINT PERMIT HAS BEEN ISSUED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR THIS PROJECT. (12-NI-0119/201260507)
- NO TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT.
- OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND KCI TECHNOLOGIES, INC. DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY SUCH INFORMATION TO HIS OWN SATISFACTION.
- SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCIES BETWEEN THE PLANS AND THE FIELD CONDITIONS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY.
- EXISTING GROUND, FENCE LINE, PLAYGROUND EQUIPMENT, AND/OR VEGETATION DISTURBED BY THE PROPOSED WORK SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER BY CONCLUSION OF THE PROJECT.
- THE PROPOSED PROJECT IS LOCATED OFF OF STIPA COURT AND IS ADJACENT TO HUNTER ROAD.



PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20903, EXPIRATION DATE: JULY 18, 2013

DEPARTMENT OF PUBLIC WORKS, HOWARD COUNTY, MD

*Joseph H. Saltzman* 6/12/12  
DIRECTOR OF PUBLIC WORKS DATE

*Howard E. Saltzman* 6/12/12  
CHIEF, BUREAU OF ENVIRONMENTAL SERVICES DATE

*Howard E. Saltzman* 6/12/12  
CHIEF, STORMWATER MANAGEMENT DIVISION DATE

AS - BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE FACILITY SHOWN ON THIS PLAN WAS CONSTRUCTED AS SHOWN ON THE "AS-BUILT" PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS.

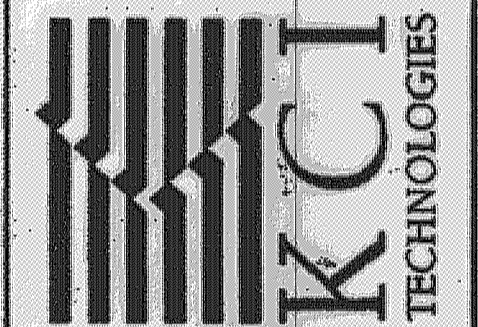
*Joseph H. Saltzman*  
SIGNATURE

20903  
PE NO.

11/7/12  
DATE

NO.	REVISIONS DESCRIPTION	DATE

936 RIDGEBROOK ROAD  
SPARKS, MARYLAND 21152  
TELEPHONE: (410) 316-7800  
FAX: (410) 316-7818  
www.kci.com



STIPA COURT  
DRAINAGE IMPROVEMENTS

HEADQUARTERS  
1000 W. BROADWAY  
COLUMBIA, MD 21046

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
STORMWATER MANAGEMENT DIVISION  
675 COLUMBIA COUNTRY DRIVE  
SPARKS, MD 21152

TITLE SHEET

SCALE: \_\_\_\_\_

DATE: APRIL 2012

PROJECT NO.: 01-081795.70

CAPITAL PROJECT NO.: D1118

PERMIT ISSUE: \_\_\_\_\_

CONSTRUCTION ISSUE: \_\_\_\_\_

SHEET NO.: 1 OF 5

PLOTTED 11:20 AM on Monday, June 04, 2012  
 BY: Amy Ebersole, Division PWS, Water Resources, BMA, Emp.  
 FILE: M:\2008\01-081795.70\Drawings\12-PP-001-1350\_Corridor.dwg



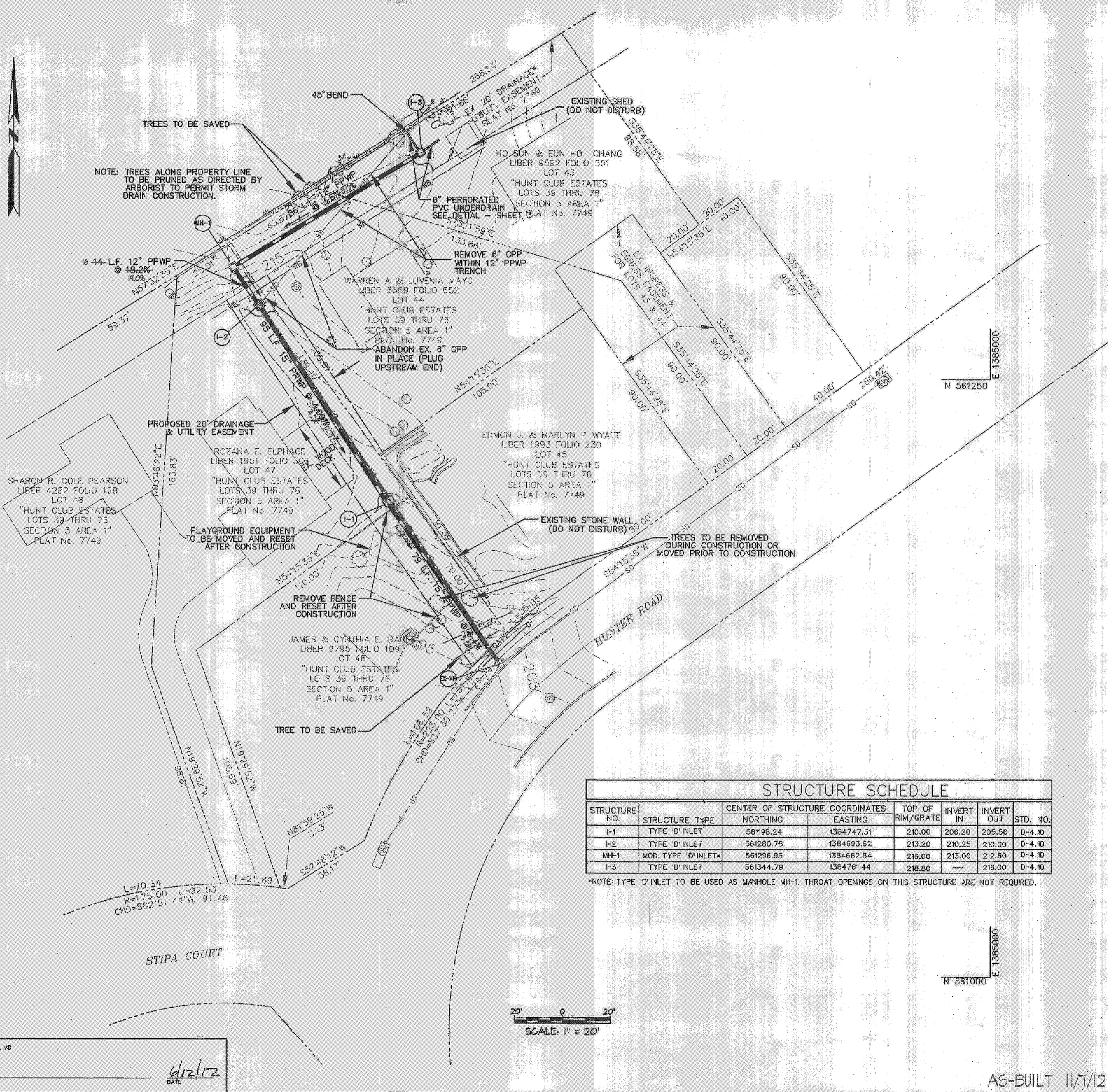
PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20903, EXPIRATION DATE: JULY 18, 2013

DEPARTMENT OF PUBLIC WORKS, HOWARD COUNTY, MD

Evelyn E. Jond  
 CHIEF, BUREAU OF ENVIRONMENTAL SERVICES

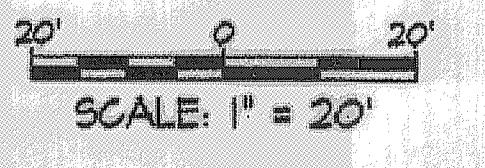
6/12/12  
 DATE

**TIME RESTRICTION NOTES:**  
 PUMPING IS NOT PERMITTED BETWEEN THE HOURS OF 7:00PM AND 7:00 AM, MONDAY THROUGH FRIDAY.  
 CONSTRUCTION EQUIPMENT SHALL NOT BE STARTED NOR RUN BETWEEN THE HOURS OF 7:00 PM AND 7:00 AM, MONDAY THROUGH FRIDAY.  
 FOR SATURDAY WORK, THE ABOVE HOURS SHALL BE 5:00 PM TO 9:00 AM, RESPECTIVELY.  
 NO WORK SHALL BE DONE ON SUNDAY.



STRUCTURE SCHEDULE							
STRUCTURE NO.	STRUCTURE TYPE	CENTER OF STRUCTURE COORDINATES		TOP OF RIM/GRATE	INVERT IN	INVERT OUT	STD. NO.
		NORTHING	EASTING				
I-1	TYPE 'D' INLET	561198.24	1384747.51	210.00	206.20	205.50	D-4.10
I-2	TYPE 'D' INLET	561280.76	1384693.62	213.20	210.25	210.00	D-4.10
MH-1	MOD. TYPE 'D' INLET	561296.95	1384682.84	216.00	213.00	212.80	D-4.10
I-3	TYPE 'D' INLET	561344.79	1384761.44	218.80	—	216.00	D-4.10

\*NOTE: TYPE 'D' INLET TO BE USED AS MANHOLE MH-1. THROAT OPENINGS ON THIS STRUCTURE ARE NOT REQUIRED.



NO.	REVISIONS DESCRIPTION	DATE

KCI TECHNOLOGIES  
 936 RIDGEBROOK ROAD  
 SPARKS, MARYLAND 21152  
 TELEPHONE: (410) 316-7800  
 FAX: (410) 316-7818  
 www.kci.com

**STIPA COURT DRAINAGE IMPROVEMENTS**

HUNT CLUB ESTATES CAPITAL PROJECT D118  
 THE MAP IS ISSUED IN ACCORDANCE WITH THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS STORMWATER MANAGEMENT DIVISION 6781 COLUMBIA GATEWAY DRIVE COLUMBIA, MD 21046

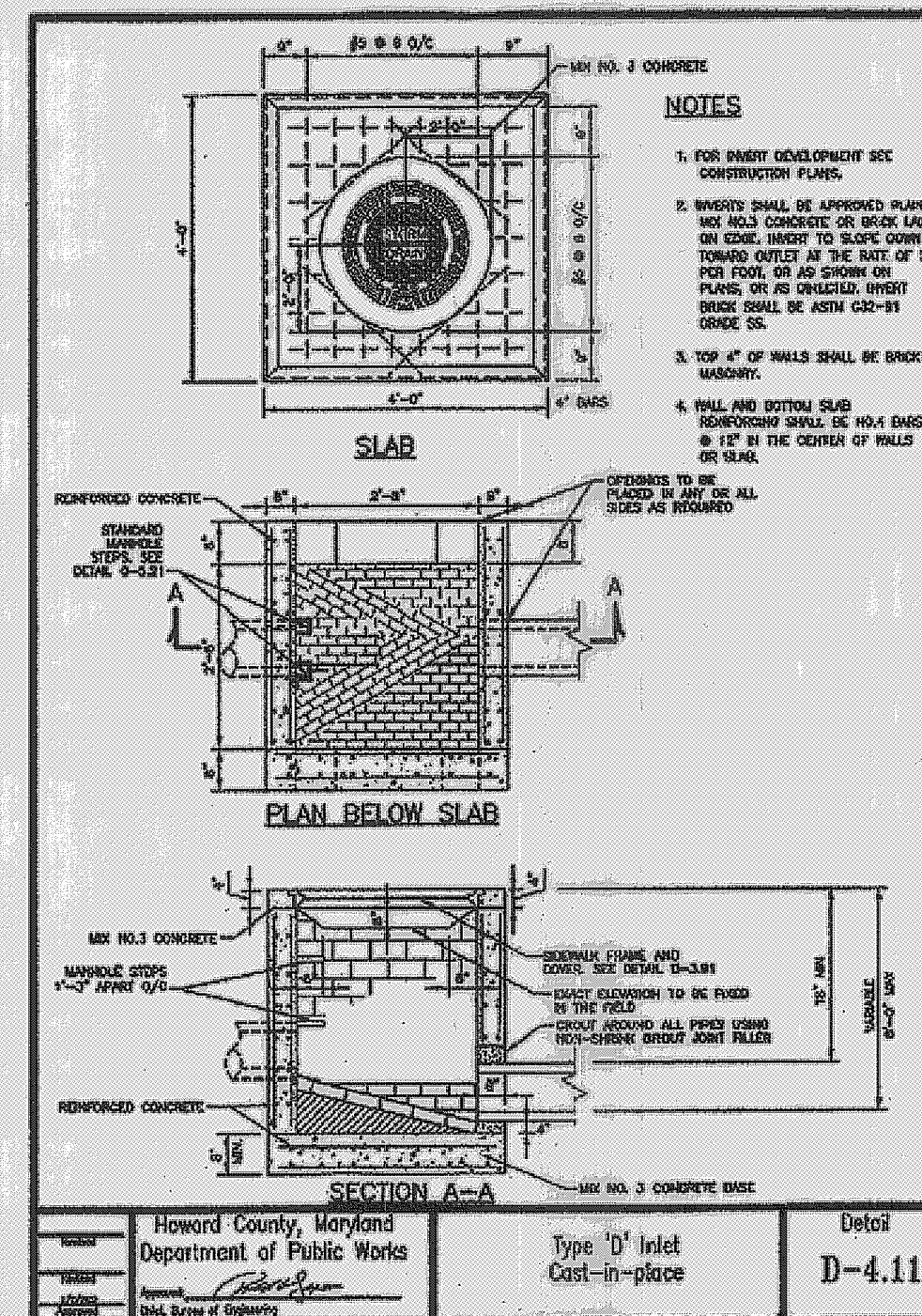
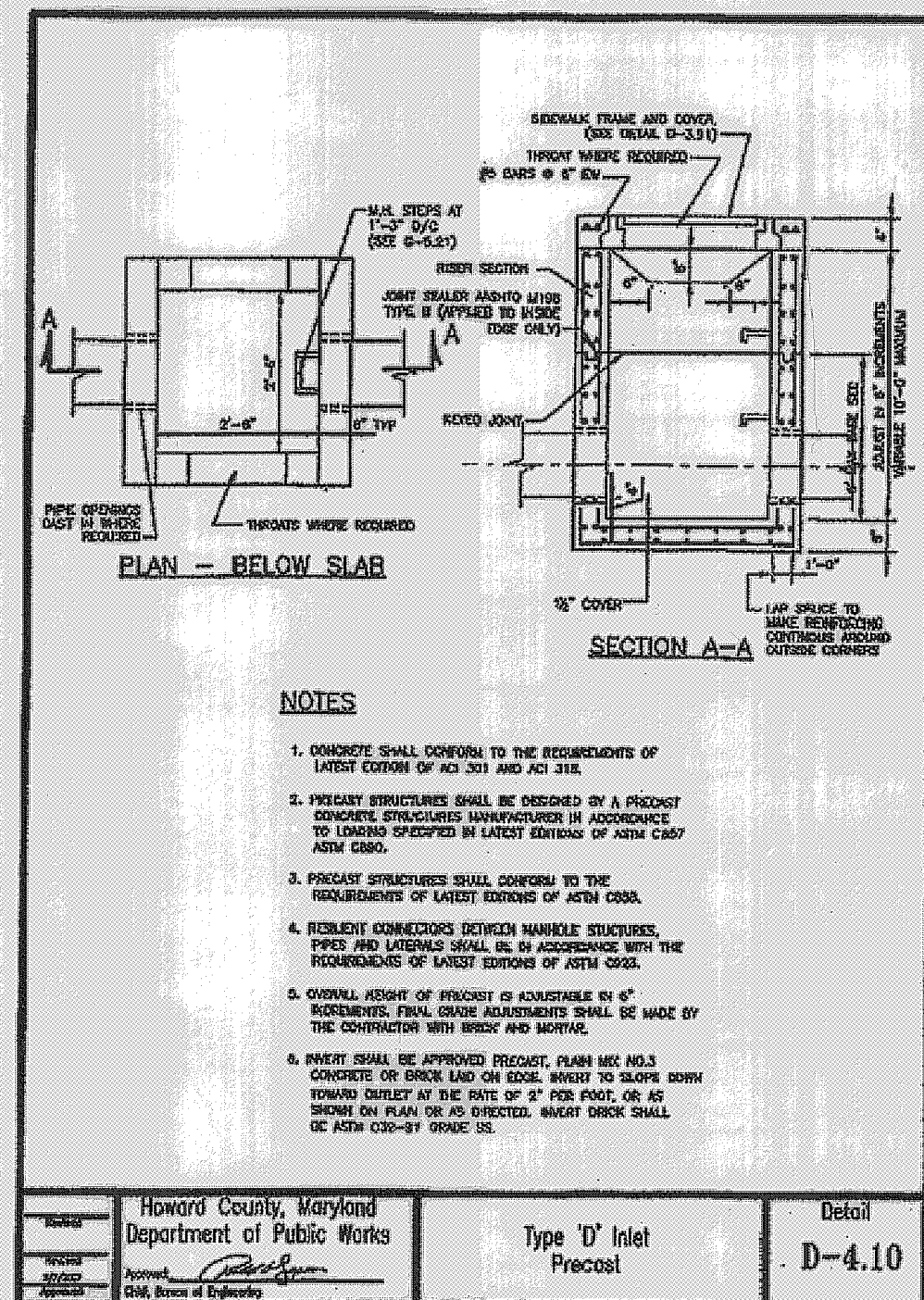
**STORM DRAIN PLAN**

SCALE: 1" = 20'  
 DATE: APRIL 2012  
 KCI JOB NO.: 01-081795.70  
 CAPITAL PROJECT NO.: D118  
 PERMIT ISSUE:  
 CONSTRUCTION ISSUE:

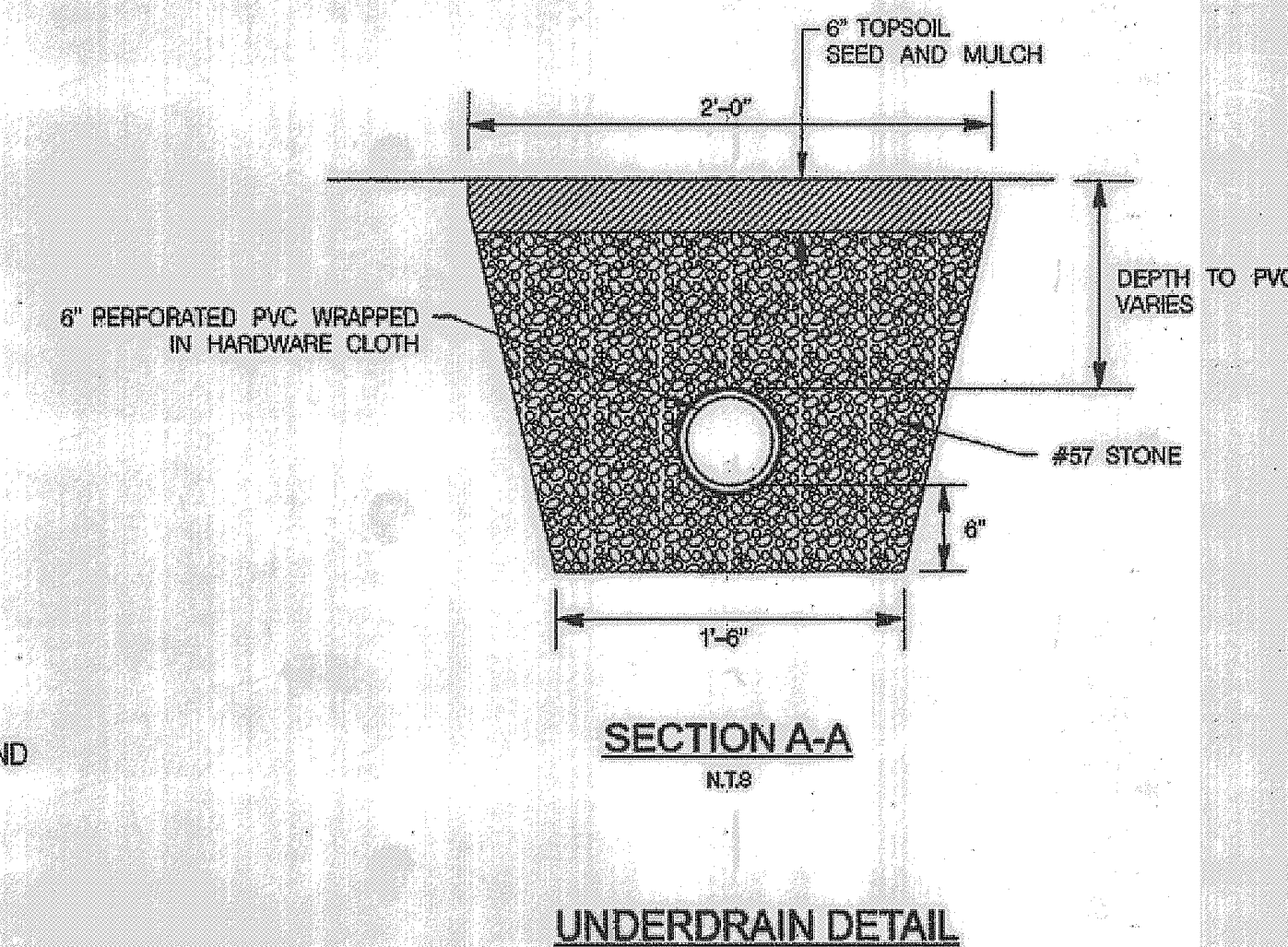
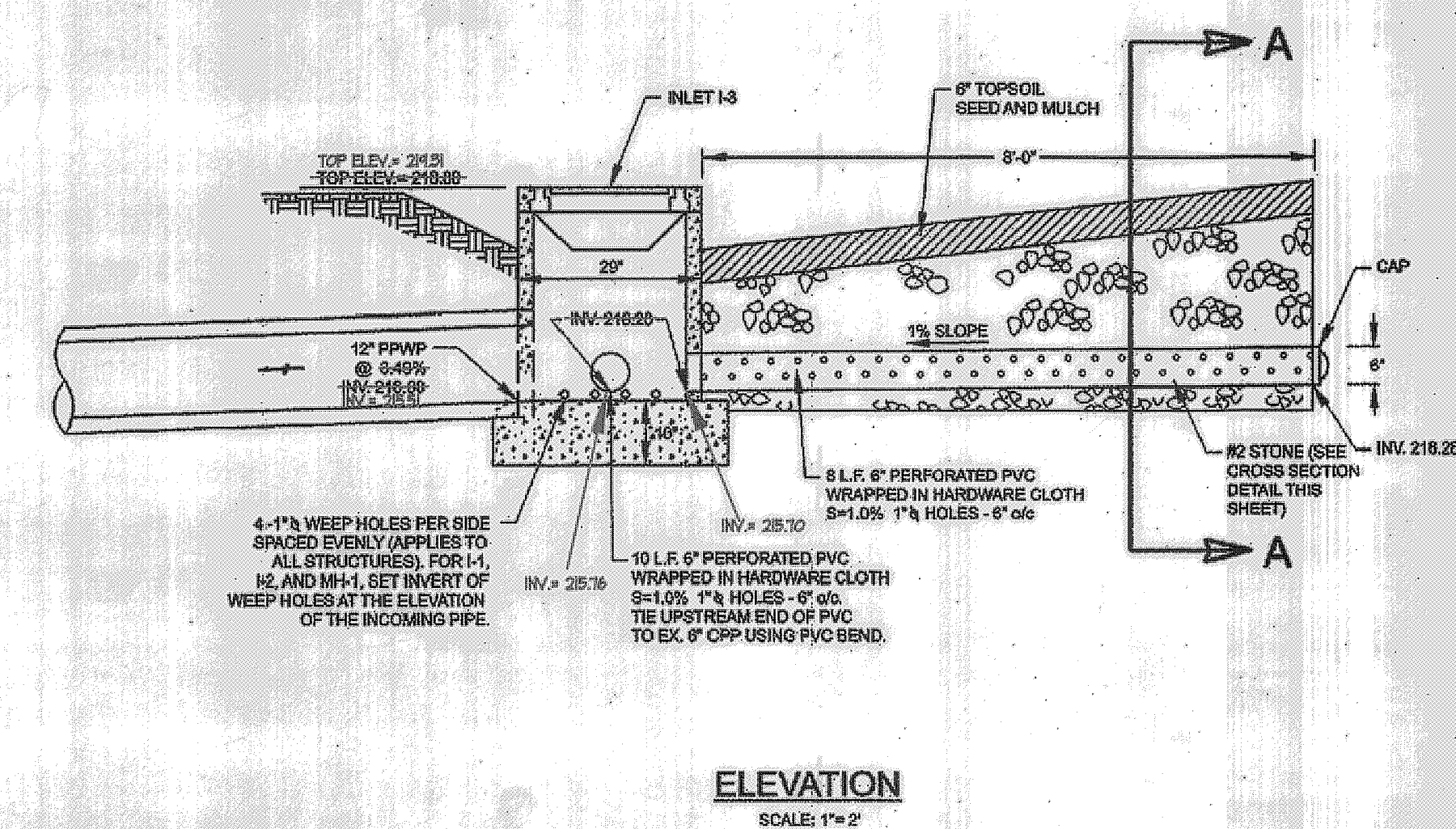
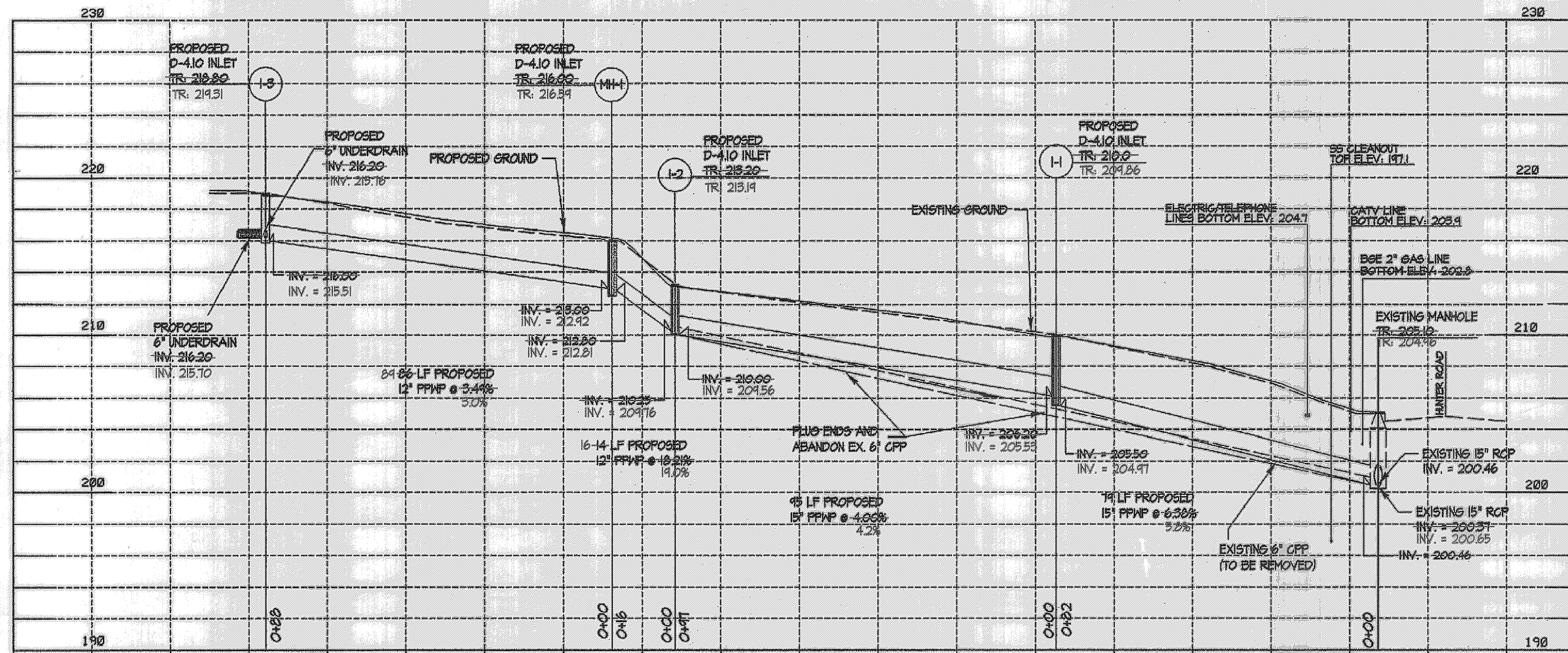
AS-BUILT 11/7/12

SHEET NO.: 2 OF 5

KCI FILE: M:\2008\01-081795.27



NOTE: PLACE 4 - 1" DIAMETER WEEP HOLES ON EACH SIDE OF I-1, I-2, I-3, AND MH-1 AS INDICATED ON THE UNDERDRAIN DETAIL, THIS SHEET. EXTEND NO. 57 STONE AROUND BOTTOM OF STRUCTURES TO PROTECT WEEP HOLES.



**NOTES:**

1. TIE IN ROOF LEADERS FROM WYATT PROPERTY TO 15" PPWP.
2. TWO 6" PERFORATED PVC PIPES WRAPPED IN HARDWARE CLOTH TO BE CONNECTED TO PROPOSED INLET I-3. (SEE DETAIL, THIS SHEET)
3. USE CAUTION WHEN EXCAVATING IN VICINITY OF EXISTING UNDERGROUND UTILITIES.



PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20903, EXPIRATION DATE: JULY 18, 2013.

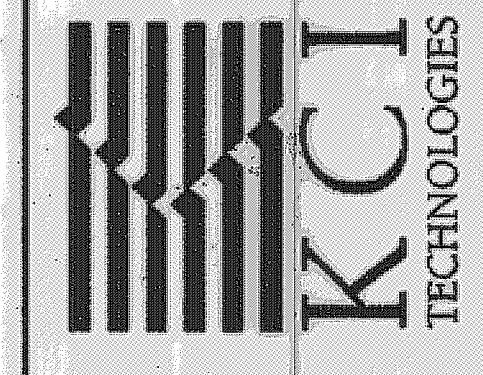
DEPARTMENT OF PUBLIC WORKS, HOWARD COUNTY, MD  
*Evelyn E. Jones*  
CHIEF, BUREAU OF ENVIRONMENTAL SERVICES

6/12/12  
DATE

AS-BUILT 11/7/2012

NO.	REVISIONS DESCRIPTION	DATE

936 RIDGEBROOK ROAD  
SPARKS, MARYLAND 21152  
TELEPHONE: (410) 316-7800  
FAX: (410) 316-7818  
www.kci.com



STIPA COURT  
DRAINAGE IMPROVEMENTS

PLANNING & DESIGN  
SECTION 2 AREA 1.0  
COLUMBIA, MARYLAND  
TWO AND A HALF BLOCKS EAST OF COLLEGE PARK  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
300 COLUMBIA GATEWAY DRIVE  
COLUMBIA, MD 21046

**PROFILE & DETAILS**

SCALE: AS SHOWN

DATE:	APRIL 2012
PROJECT NO.:	01-081795.70
CAPITAL PROJECT NO.:	01118
PERMIT ISSUE:	
CONSTRUCTION ISSUE:	

E 1384500  
N 561250

E 1385000  
N 561250

E 1385000  
N 561000

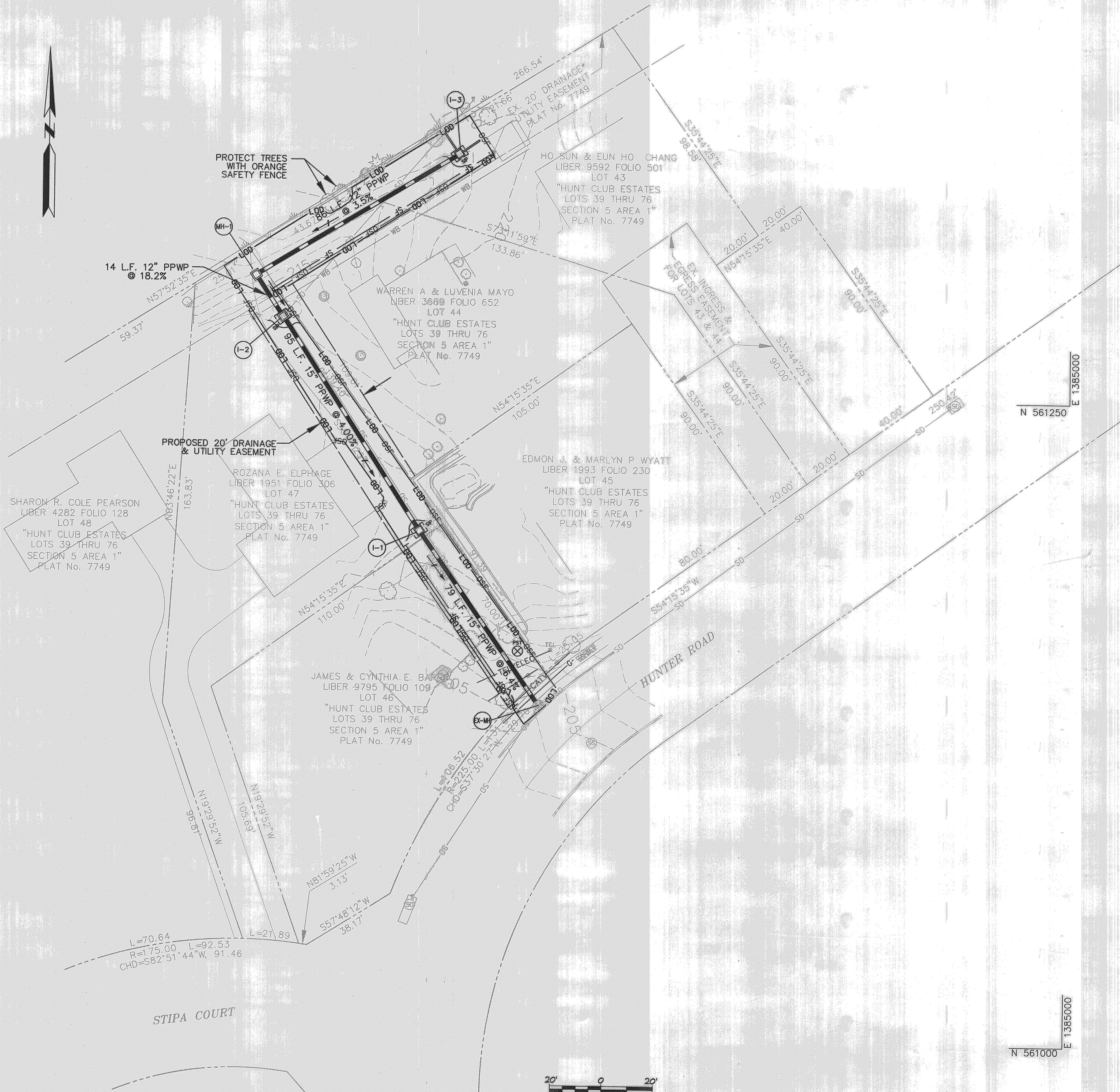
**SEQUENCE OF CONSTRUCTION**

**GENERAL**

1. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777.
2. CONTRACTOR SHALL COORDINATE AN ON-SITE PRE-CONSTRUCTION MEETING THAT SHALL INCLUDE COUNTY PROJECT MANAGER, THE CONTRACTOR, AND THE ENGINEER.
3. MARK LOD PRIOR TO PRE-CONSTRUCTION MEETING.
4. CONTRACTOR SHALL MINIMIZE THE IMPACT ON EXISTING UTILITIES AND OTHER EXISTING FEATURES, SPECIFICALLY EXISTING LANDSCAPE FEATURES ON THE WYATT PROPERTY AND THE ELPHAGE PROPERTY DECK.
5. CONTRACTOR SHALL CAUTION THE EQUIPMENT OPERATORS TO TAKE EXTRA CARE WHILE DRIVING WITHIN THE PROJECT AREA.
6. WORK AREA SHALL BE STABILIZED AT THE END OF EACH WORK DAY TO MINIMIZE SEDIMENT-LADEN RUNOFF TO EXISTING STORM DRAIN SYSTEM.
7. IF EXCAVATION FOR PIPES REQUIRES THE REMOVAL OF STANDING WATER, IT SHALL BE PUMPED TO A PST OR OTHER SUITABLE DEVICE PRIOR TO DISCHARGE INTO THE EXISTING STORM DRAIN SYSTEM.
8. AT PROJECT COMPLETION, REPLACE PLAYGROUND EQUIPMENT AND FENCE AND REMOVE ANY REMAINING SEDIMENT AND/OR DEBRIS FROM THE WORK AREA.

**STORM DRAIN SYSTEM**

1. PLACE ORANGE CONSTRUCTION FENCE ALONG LOD. PLACE SILT FENCE AS SHOWN.
2. EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF PIPE EXCAVATION TRENCH. CONNECT TO EX-MH AT HUNTER ROAD DURING A DRY WEATHER FORECAST. STABILIZE DISTURBED AREAS ADJACENT TO PIPE TRENCH AT THE END OF EACH WORK DAY.
3. DEWATER PIPE TRENCHES, AS REQUIRED, BY PUMPING STANDING WATER TO PST PRIOR TO DISCHARGING TO EX-MH AT HUNTER ROAD.
4. ONCE AN INLET IS CONSTRUCTED, PLACE INLET PROTECTION AT THE INLET.
5. PROVIDE PERMANENT STABILIZATION WITHIN WORK AREA. CONSTRUCT CONCRETE SIDE WALK PAVEMENT PATCH.
6. WHEN THE PROJECT AREA IS FULLY STABILIZED, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE ANY AREAS DISTURBED BY THIS PROCESS.

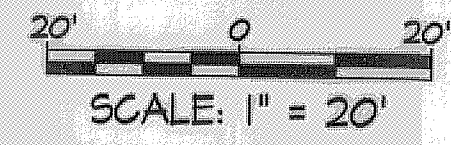


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DEPARTMENT OF PUBLIC WORKS, HOWARD COUNTY, MD

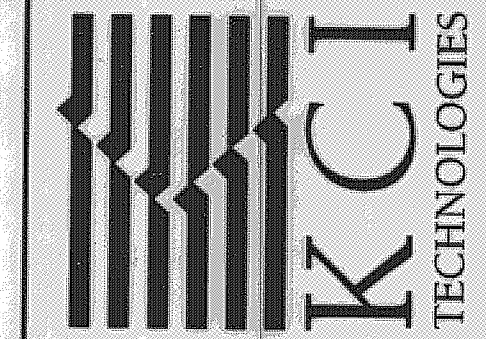
*W. Lynn E. Jones*  
CHIEF, BUREAU OF ENVIRONMENTAL SERVICES

6/12/12  
DATE



NO.	REVISIONS DESCRIPTION	DATE

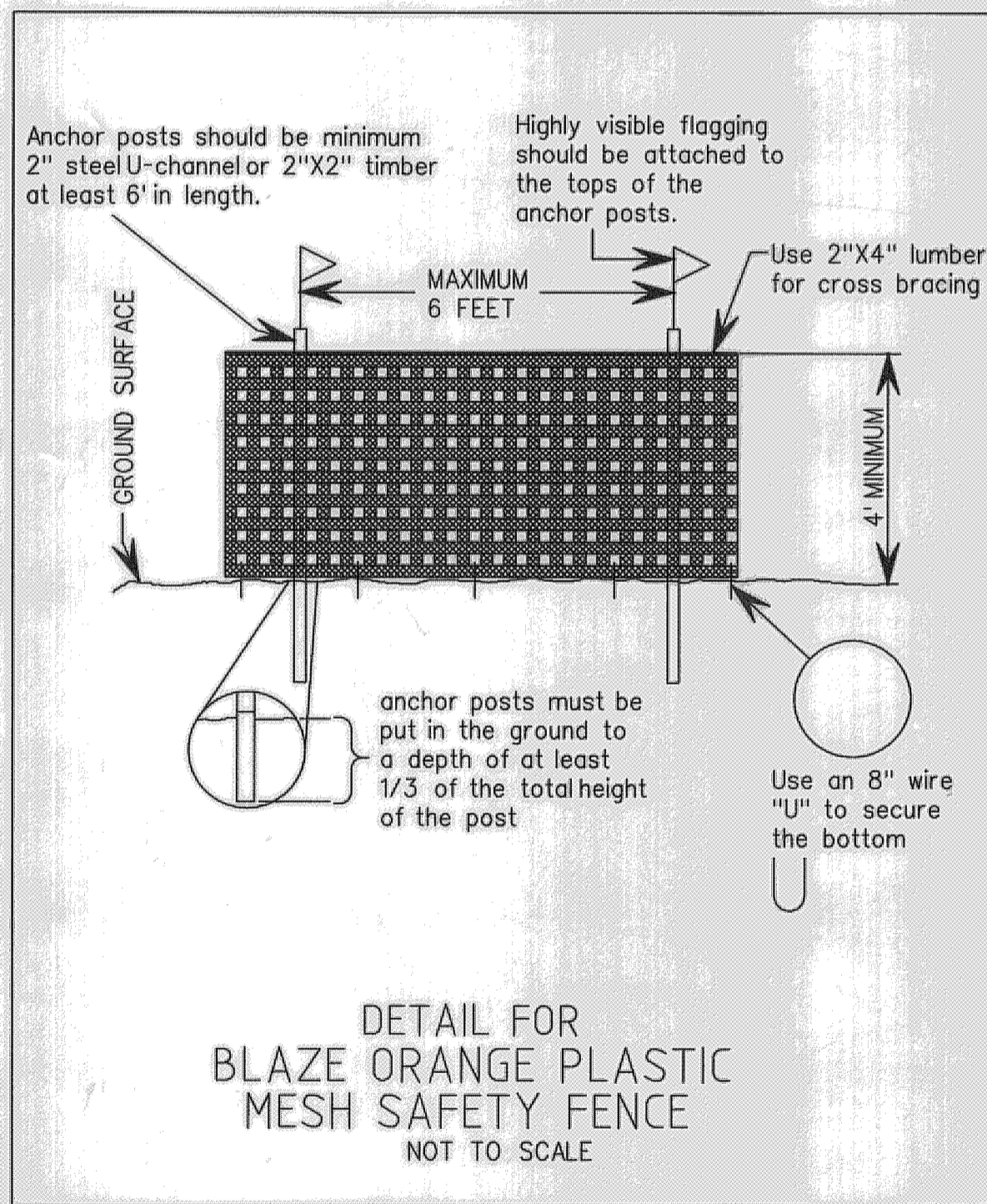
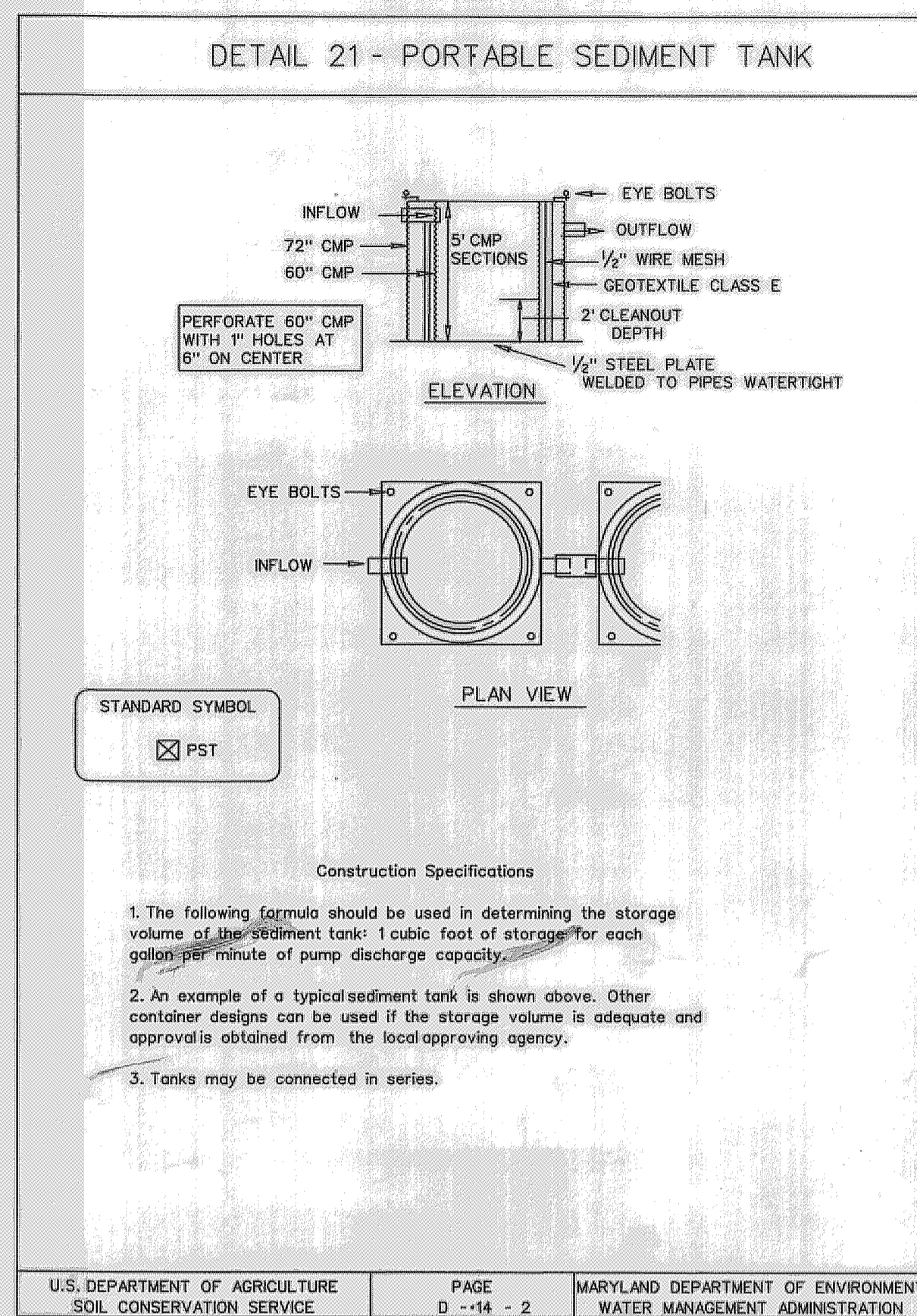
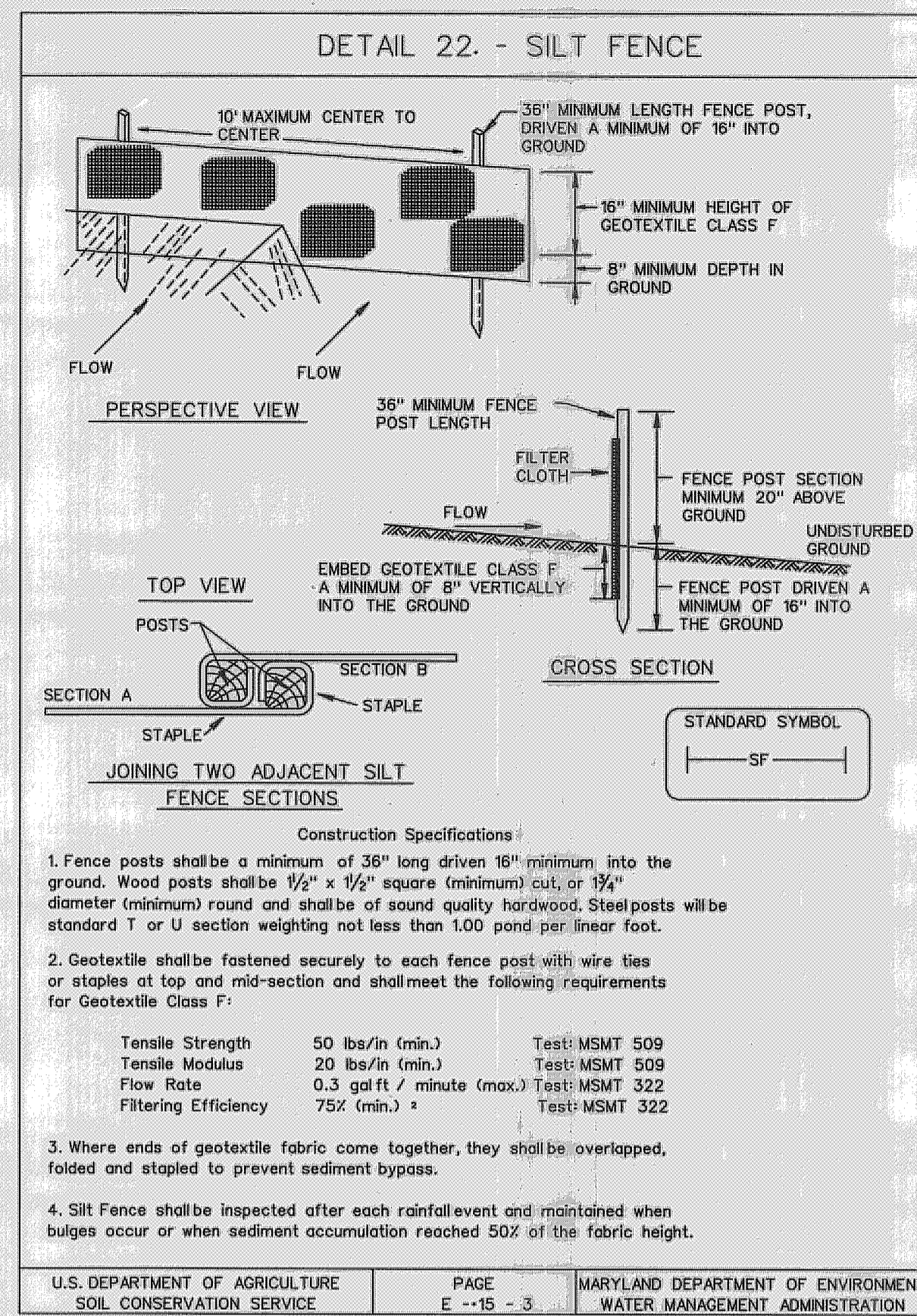
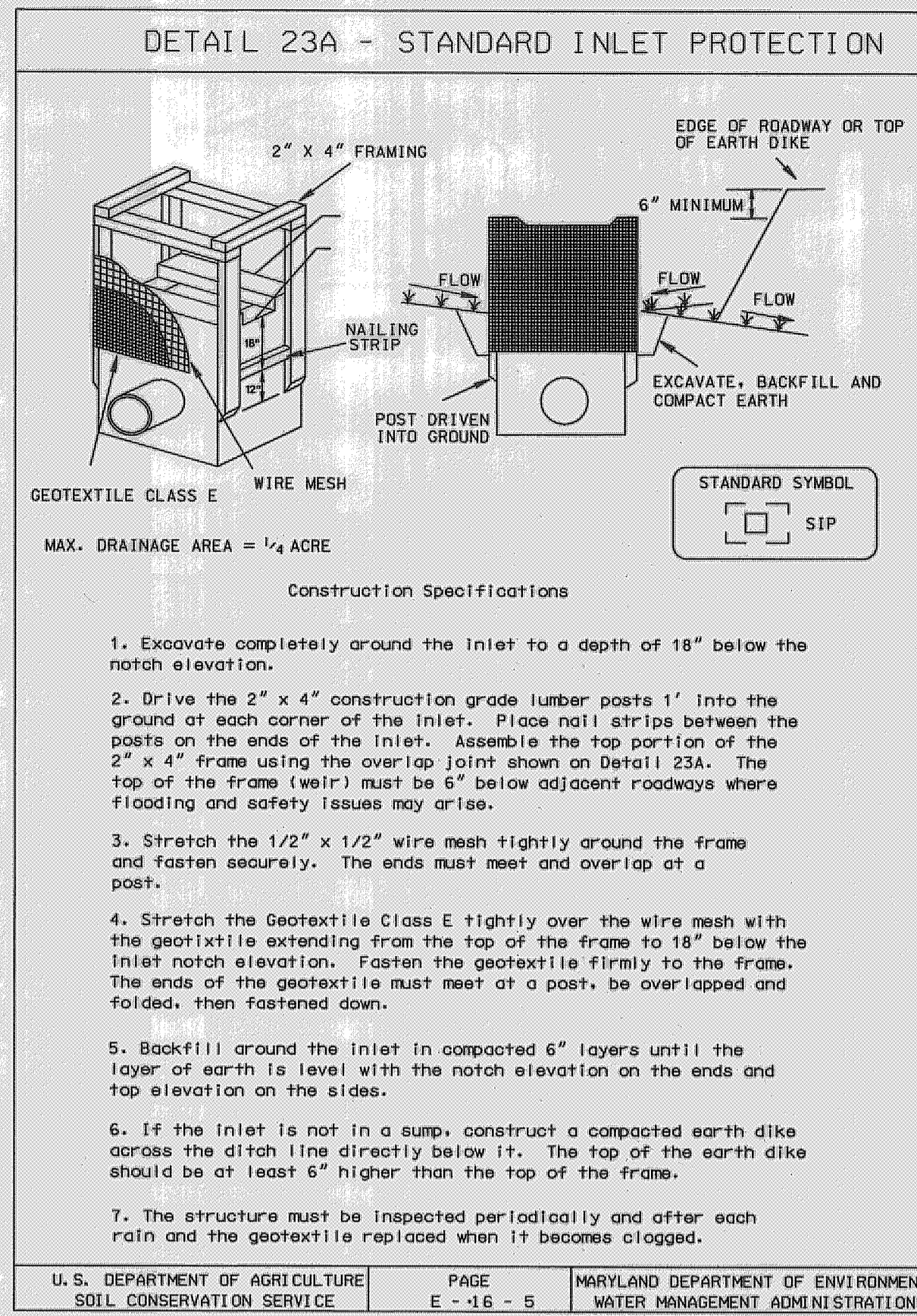
936 RIDGEBROOK ROAD  
SPARKS, MARYLAND 21152  
TELEPHONE: (410) 316-7800  
Fax: (410) 316-7818  
www.kci.com



**STIPA COURT DRAINAGE IMPROVEMENTS**  
HUNT CLUB ESTATES, CAPITAL PROJECT DISTRICT  
TVA MAP #8 ZONING #12 ELECTION DISTRICT 03  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
51751 COLUMBIA GATEWAY DRIVE  
COLUMBIA, MD 21046

**EROSION & SEDIMENT CONTROL PLAN**

SCALE: 1" = 20'  
DATE: APRIL 2012  
KCI JOB NO.: 01-081795.70  
CAPITAL PROJECT NO.: D1118  
PERMIT ISSUE:  
CONSTRUCTION ISSUE:



#### TEMPORARY VEGETATIVE STABILIZATION

- SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES BY DISCING, RAKING OR OTHER ACCEPTABLE MEANS.
  - SOIL AMENDMENTS: APPLY 60 LBS PER ACRE OF 10-10-10 FERTILIZER AND TWO TONS PER ACRE OF LIME.
  - SEEDING: FOR PERIODS OF MARCH 1 TO APRIL 30 AND AUGUST 15 TO NOVEMBER 15, SEED WITH 2.5 BU PER ACRE OF CEREAL RYE PLUS 30 LBS PER ACRE OF TALL FESCUE OR 5 LBS PER ACRE OF REDTOP OR 20 LBS PER ACRE OF PERENNIAL RYEGRASS. FOR PERIOD OF MAY 1 TO AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS OR 40 LBS PER ACRE OF JARVISBEE OR FOXTAIL MILLET.
  - MULCHING SPECIFICATIONS: MULCH SHALL BE APPLIED TO ALL SEEDED AREAS IMMEDIATELY AFTER SEEDING. APPLY 2 TONS PER ACRE OF STRAW OVER ALL SEEDED AREAS. IF A MULCH ANCHORING TOOL IS TO BE USED, THE RATE SHALL BE INCREASED TO 2.5 TONS PER ACRE.\*\*
- MULCH ANCHORING SHALL BE PERFORMED IMMEDIATELY FOLLOWING MULCH APPLICATION TO MINIMIZE LOSS BY WIND AND WATER. THE TYPE OF MULCH ANCHORING USED MUST COMPLY WITH THE 1994 MARYLAND STANDARD AND SPECIFICATIONS.
- \*\* IF OTHER SEED MIXES ARE TO BE SUBSTITUTED, THEY MUST COMPLY WITH THE 1994 MARYLAND STANDARD AND SPECIFICATIONS, CHAPTER 20, TABLE 23. \*\* IF A DIFFERENT TYPE OF MULCH IS TO BE USED, IT MUST COMPLY WITH THE 1994 MARYLAND STANDARD AND SPECIFICATION, CHAPTER 20.

#### PERMANENT VEGETATIVE STABILIZATION

- SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES BY RAKING, DISCING, OR OTHER ACCEPTABLE MEANS AFTER SPREADING FOUR INCHES OF TOPSOIL.
  - SOIL AMENDMENTS: APPLY 60 LBS PER ACRE OF 10-10-10 FERTILIZER AND TWO TONS PER ACRE OF LIME.
  - SEEDING: TOTAL AREA OF SITE 0.11 ACRES. AREA DISTURBED 0.11 ACRES. AREA TO BE BODED OR PAVED 0 ACRES. AREA TO BE VEGETATIVELY STABILIZED 0.11 ACRES. TOTAL CUT 96 CU. YARDS. TOTAL FILL 96 CU. YARDS. OFFSITE WASTE/BORROW AREA LOCATION TO BE DETERMINED\*\*.
  - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
  - ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
  - TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED BY THE END OF EACH WORK DAY, WHICHEVER IS SHORTER.
- \*\*OFFSITE WASTE/BORROW SITE SHALL HAVE AN APPROVED SEDIMENT CONTROL PLAN.

#### HOWARD COUNTY CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERE TO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1. BY 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAP/BASINS SHOWN MUST BE FENCED AND WARNING SIGN POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARD AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 5), SD (SEC. 5A), TEMPORARY SEEDING (SEC. 5B) AND MULCHING (SEC. 5C). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 

TOTAL AREA OF SITE	0.11 ACRES
AREA DISTURBED	0.11 ACRES
AREA TO BE BODED OR PAVED	0 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.11 ACRES
TOTAL CUT	96 CU. YARDS
TOTAL FILL	96 CU. YARDS
OFFSITE WASTE/BORROW AREA LOCATION	TO BE DETERMINED**
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED BY THE END OF EACH WORK DAY, WHICHEVER IS SHORTER.

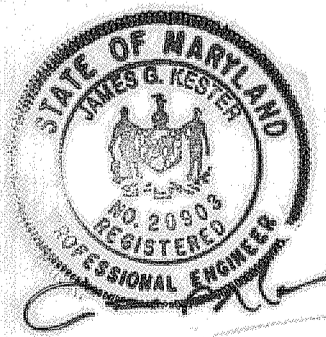
TOTAL DISTURBED AREA: 0.11 AC.

#### PERMANENT SEEDING SUMMARY

SEED MIXTURE (HARDINESS ZONE 6B) FROM TABLE 25	FERTILIZER RATE (10-20-20)			LIME
	NO.	SPECIES	APPLICATION RATE (LB/AC)	
1 PERENNIAL RYEGRASS (10%) KENTUCKY BLUEGRASS (5%)	125	3/1-5/15	1-2 INCH	90 LB/AC (2.0 LB/ 1000 SF)
	15	8/15-10/15		
	10			
2 KENTUCKY BLUEGRASS (50%) HARD FESCUE (40%) RED TOP (10%)	150	3/1-5/15	1-2 INCH	175 lb/ac (4.0 LB/ 1000 SF)
		8/15-10/15		

#### TEMPORARY SEEDING SUMMARY

SEED MIXTURE (HARDINESS ZONE 6B) FROM TABLE 26	FERTILIZER RATE (10-10-10)			LIME RATE
	NO.	SPECIES	APPLICATION RATE (LB/AC)	
1 RYE	140	3/1-4/30	1-2 INCH	600 LB/AC (15 LB/1000 SF)
		8/15-11/15		
2 RYE PLUS FOXTAIL MILLET	150	3/1-4/30	1 INCH	2 tons/ac (100 LB/ 1000 SF)
		5/1-8/14		
		8/15-11/15		

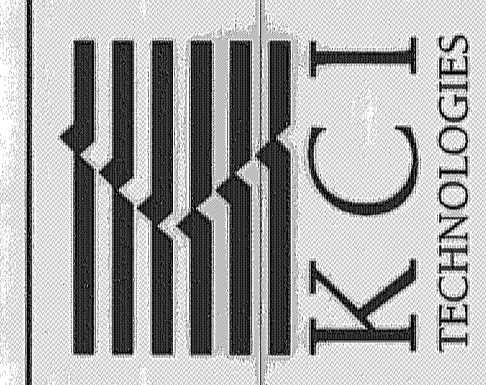


PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 20903. EXPIRATION DATE: JULY 18, 2013.

DEPARTMENT OF PUBLIC WORKS, HOWARD COUNTY, MD  
*Evelyn E. Jones*  
 CHIEF, BUREAU OF ENVIRONMENTAL SERVICES  
 DATE: 6/12/12

NO.	REVISIONS DESCRIPTION	DATE

936 RIDGEBROOK ROAD  
 SPARKS, MARYLAND 21152  
 TELEPHONE: (410) 316-7800  
 FAX: (410) 316-7818  
 www.kci.com



STIPA COURT DRAINAGE IMPROVEMENTS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 STORMWATER MANAGEMENT DIVISION  
 675 COLUMBIA MAR 2016

EROSION & SEDIMENT CONTROL NOTES & DETAILS

SCALE:	
DATE:	APRIL 2012
KCI JOB NO.:	01-081795.70
CAPITAL PROJECT NO.:	D1118
PERMIT ISSUE:	
CONSTRUCTION ISSUE:	