

- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:
 - MISS UTILITY 800-257-7777
 - C&P TELEPHONE 410-725-9976
 - HOWARD COUNTY BUREAU OF UTILITIES 410-992-2366
 - AT&T CABLE LOCATION DIVISION 410-393-3553
 - BALTIMORE GAS & ELECTRIC CO. 410-531-5533
 - STATE HIGHWAY ADMINISTRATION 410-313-1880
 - HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK) 410-685-8123
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED 2/16/99 BY PURDUM AND JESCHKE.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL 02.01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHT AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR GRADING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- FOR THE EXACT LOCATION AND DEPTH OF THE EXISTING WATER AND SEWER MAINS, THE CONTRACTOR SHALL DIG TEST PITS AT THE CONTRACTOR'S EXPENSE.
- SEE SHEET 11 FOR BERGER ROAD IMPROVEMENTS.
- ALL EXTERIOR LIGHTING SHALL COMPLY WITH SECTION 134 OF THE ZONING REGULATIONS.
- SEE WATER AND SEWER PLAN 44-3784-D FOR WATER LINE CONSTRUCTION.

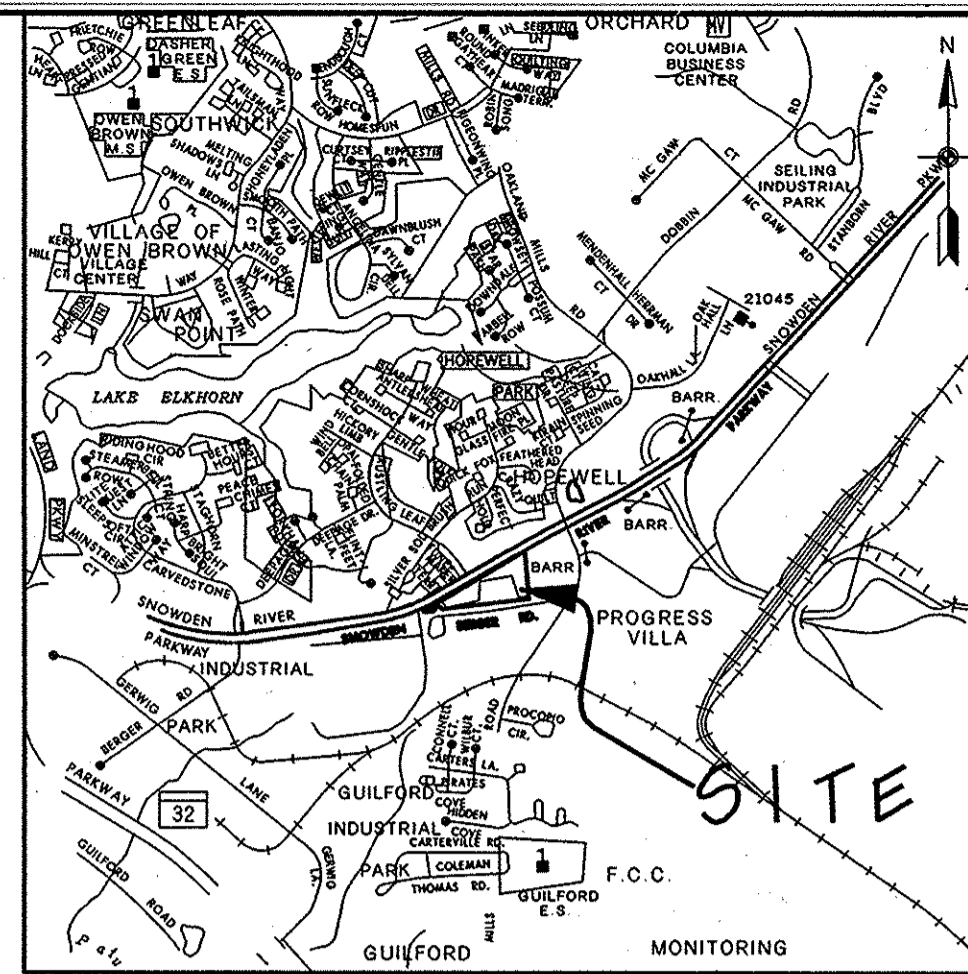
- PROPOSED USE IS PERMITTED IN FDP PHASE 118-A-1 PART 3 AS RECORDED IN PLAT #3054-A-1648, 8/14/97.
- PARKING ALONG BERGER ROAD APPROVED IN ACCORDANCE WITH FDP PHASE 118-A-1 PART 3 20' FROM BERGER ROAD.
- FOREST CONSERVATION HAS BEEN COMPLIED WITH IN ACCORDANCE WITH SECTION 16.1218(A), FEE-IN-LIEU IN THE AMOUNT OF \$ 5,227.20
- THIS SITE SDP PASSED THE ADEQUATE PUBLIC FACILITIES ORDINANCE TRAFFIC TEST ON 5/14/99.
- ANY FURTHER DEVELOPMENT WILL REQUIRE STORMWATER MANAGEMENT FOR THE IMPROVEMENT.
- STORMWATER MANAGEMENT POND IS PRIVATELY OWNED AND MAINTAINED.

SHEET INDEX :

SHEET 1	SITE PLAN.
SHEET 2	SEDIMENT CONTROL PLAN.
SHEET 3	SEDIMENT CONTROL NOTES & DETAILS.
SHEET 4	GRADING PLAN.
SHEET 5	STORMWATER MANAGEMENT AND DRAINAGE AREA PLAN.
SHEET 6	STORMWATER MANAGEMENT DETAILS.
SHEET 7	STORM, SEDIMENT AND SITE DETAILS
SHEET 8	SITE DETAILS
SHEET 9	STORMDRAIN AND SANITARY PROFILES
SHEET 10	LANDSCAPE PLAN
SHEET 11	BERGER ROAD IMPROVEMENT PLAN

VILLAGE OF OWEN BROWN
SECTION 2, AREA 3

- SITE ANALYSIS CHART**
- PROJECT AREA: 281742 SF OR 6.468 AC/-
 - LIMIT OF SUBMISSION: 6,468 AC
 - DISTURBED AREA: 277144 SF OR 6.36 AC/-
 - PRESENT ZONING: M-1 & N-1 (ECLU)
 - PROPOSED USE: OFFICE/WAREHOUSE/ADULT DAYCARE FACILITY
 - FLOOR AREA: ADULT DAYCARE FACILITY: 18,840 S.F.
OFFICE/WAREHOUSE (FLEX): 40,579 S.F.
TOTAL: 59,419 S.F.
 - PARKING REQUIRED: HYBRID OFFICE/WAREHOUSE (FLEX) LESS THAN 160' DEEP @ 2.3/1000 = 197 SPACES
 - PARKING PROVIDED: 210 SPACES (INCLUDES 9 HC)
 - OPEN SPACE: 2.32 AC OR 35.9% OF GROSS
 - APPLICABLE DPZ REF: FDP PHASE 118-A-1 PART 3
 - NO BURIAL GROUNDS OR CEMETARY IS LOCATED ON THE PROPERTY

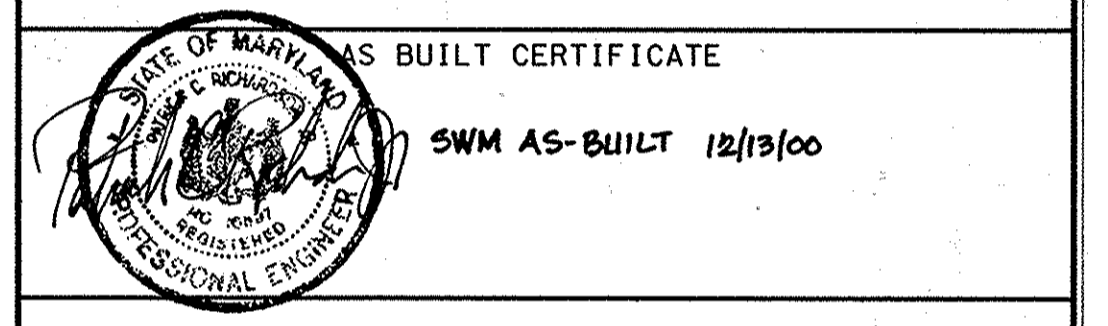
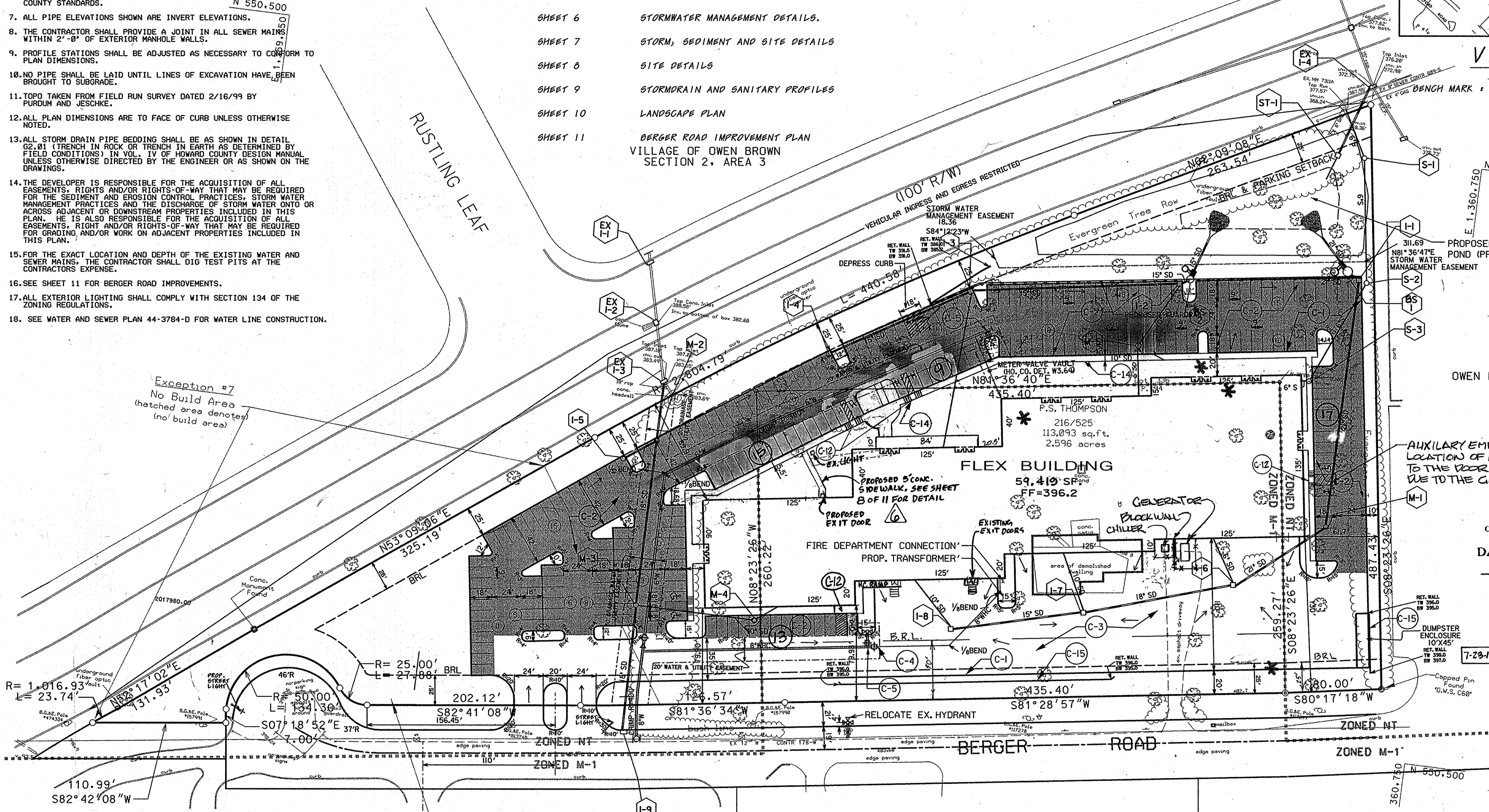


VICINITY MAP
SCALE: 1"=2000'

BENCH MARK: HOWARD COUNTY GEODETIC CONTROL

STA. 42CA NORTH 551695.723
EAST 1362506.439
ELEV. -377.147'

STA. 361B NORTH 553340.642
EAST 1364085.211
ELEV. -386.377'



APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James R. Rutter 9/23/99
DIRECTOR DATE

William J. ... 9/23/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Cindy Hamilton 9/23/99
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION
8/3/99	5	ADD HANDICAP RAMP
7/27/00	4	ADD MEZZANINE SF, REV. SITE ANALYSIS
6/12/00	3	REMOVE SIDEWALK, BLDG. ADD. # I.I.C. SPACES
6/25/99	1	
11/8/99	2	BAYSAYER

OWNER/DEVELOPER
PLATT & COMPANY, INC.
VILLAGE OF CROSS KEYS
VILLAGE SQUARE I, SUITE 156
BALTIMORE, MARYLAND 21210
Attn: DWIGHT PLATT, JR. PH 410-532-2205

PROJECT:
COLUMBIA TECH CENTER

AREA TAX MAP NO. 42 BLOCK NO. 4
PARCEL/LOT No. 194 & 401 ZONING: M-1 & NT
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

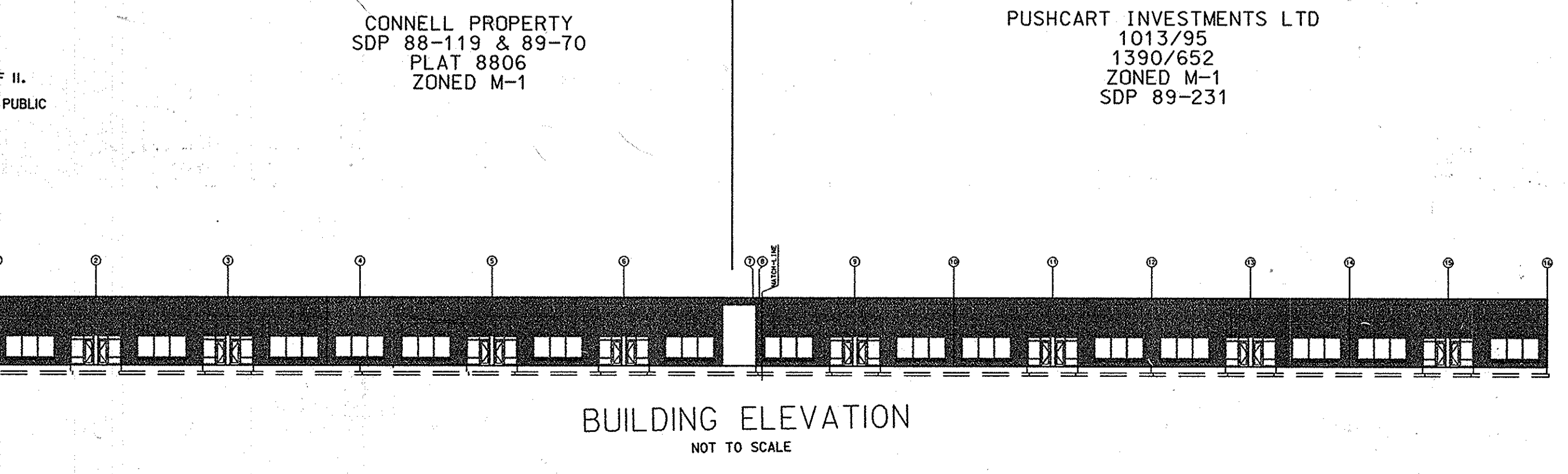
TITLE
SITE DEVELOPMENT PLAN

PURDUM and JESCHKE, LLC
Consulting Engineers and Land Surveyors Civil • Structural • Environmental
The Professional Engineering Center
8005 Harford Road - Baltimore, Maryland 21234
Phone: 410-668-8800 - Fax: 410-668-8801

9/2/99 DATE

CHECKED BY: PCR
DESIGNED BY: PCR
DRAWN BY: JLP
PROJECT NO.: 99-003
DATE: 4/19/99
SCALE: 1" = 50'
DRAWING NO. 1 OF 11

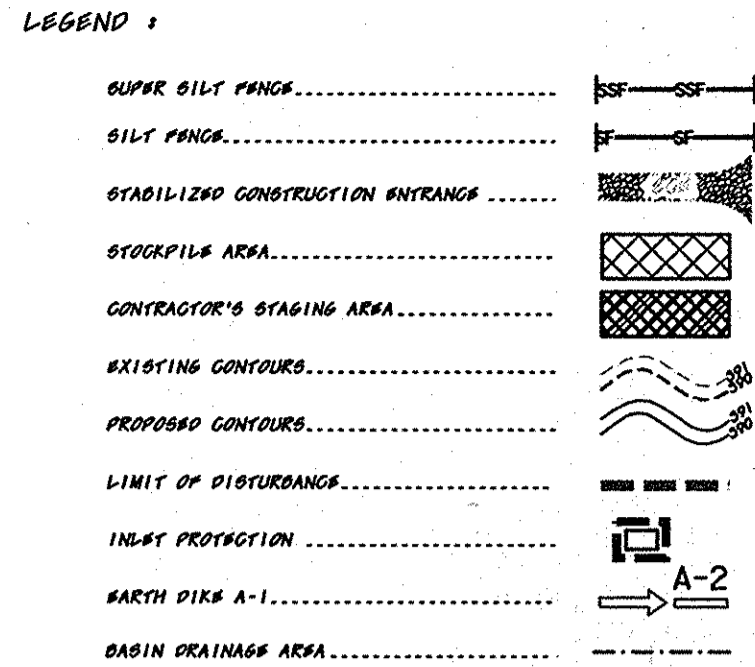
- CONSTRUCTION NOTES :**
- C-1 INSTALL NEW CONCRETE CURB, SEE DETAIL SHEET 8 OF II.
 - C-2 INSTALL NEW HEAVY DUTY P-2 BITUMINOUS PAVEMENT, SEE DETAIL SHEET 8 OF II.
 - C-3 INSTALL NEW HEAVY DUTY P-3 BITUMINOUS PAVEMENT, SEE DETAIL SHEET 8 OF II.
 - C-4 INSTALL NEW 8" DIP WATER LINE IN PUBLIC UTILITY EASEMENT, INSIDE METER - PUBLIC
 - C-5 INSTALL NEW 6" DIP, FIRE HYDRANT AND VALVE.
 - C-6 INSTALL TWO COATS OF 4" WIDE PAINT STRIPING PER PAINT MANUFACTURER'S RECOMMENDATIONS.
 - C-7 INSTALL 17"x18" CONC. DUMPSTER PAD W/ENCLOSURE. SEE DETAIL SHEET 8 OF II.
 - C-8 INSTALL SANITARY SEWER SEE PROFILE SHEET 9 OF II.
 - C-9 INSTALL RAMP TO BUILDING PER ARCHITECTURAL PLANS.
 - C-10 INSTALL STORM DRAINAGE SYSTEM, SEE SHEET 9 OF II FOR DETAIL.
 - C-11 PAINT HANDICAP PARKING SPACE, INSTALL NEW HANDICAP SIGN SEE DETAIL ON SHEET 8 OF II
 - C-12 INSTALL HANDICAP RAMP PER HOWARD COUNTY DETAIL. SEE DETAIL ON SHEET 8 OF II
 - C-13 INSTALL CONC. LOADING PAD, SEE DETAIL SHEET 7 OF 9.
 - C-14 INSTALL NEW CONCRETE SIDEWALK, SEE DETAIL SHEET 8 OF II.
 - C-15 CONSTRUCT KEYSTONE (OR EQUIVALENT) RETAINING WALL. SEE DETAILS ON SHEET 7 OF II.



ADDRESS CHART	
LOT/PARCEL*	STREET ADDRESS
338	9212 BERGER RD

PERMIT INFORMATION CHART					
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL	TAX/ZONING MAP	ELECTION DIST	CENSUS TRACT
VILLAGE OF OWEN BROWN	SECTION 2/ AREA 3	336 & 194	42	6	6067.03
PLAT * OR L/F	BLOCK *	ZONING	TAX/ZONING MAP	ELECTION DIST	CENSUS TRACT
13917	6	M-1 & NT	42	6	6067.03
WATER CODE	SEWER CODE				
8-06	5202000				

DATE PLOTTED: 9/23/99 10:58:00 AM



STANDARD SEDIMENT CONTROL NOTES :

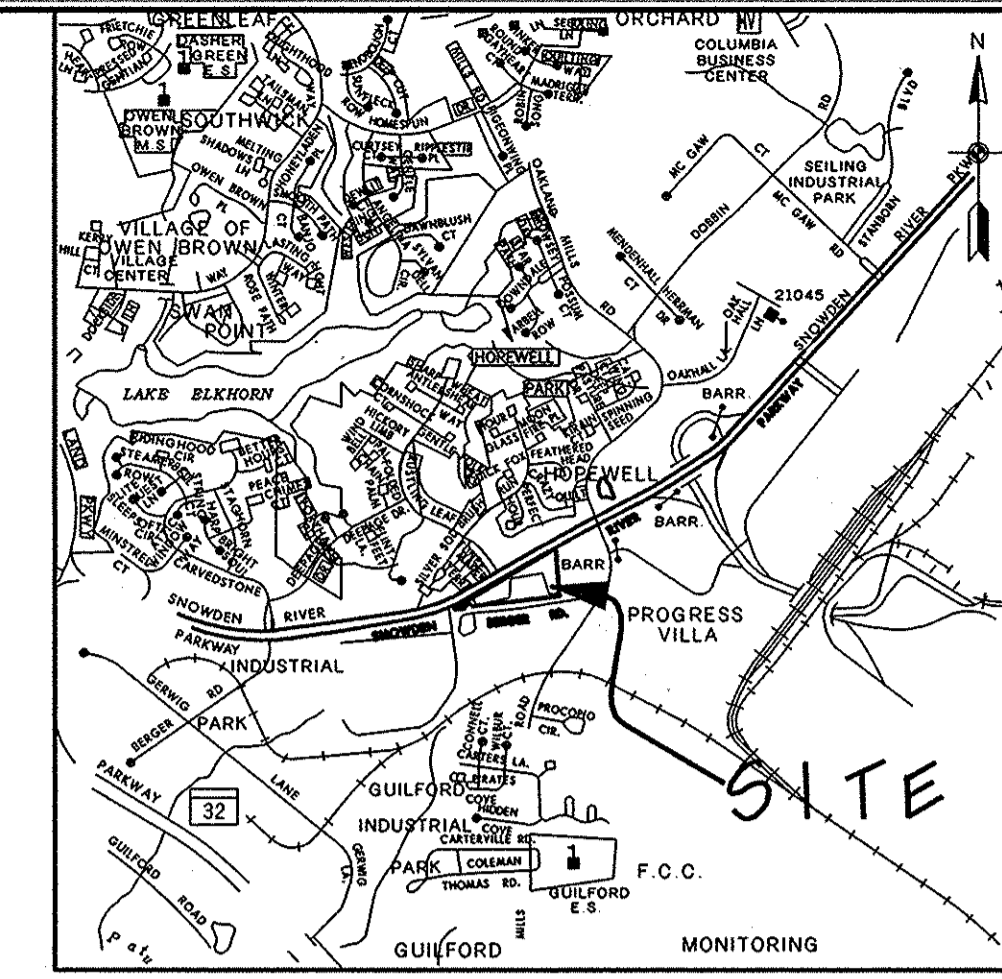
- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1055).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERE TO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT STABILIZATION SHALL BE COMPLETED WITHIN A 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, OR 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7, 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 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING, SOIL, TEMPORARY SEEDING, AND MULCHING, ETC. 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 PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE	201742 SF / 6.460 ACRES
AREA DISTURBED	277111 SF / 6.36 ACRES
AREA TO BE ROOFED OR PAVED	101937 SF / 2.17 ACRES
AREA TO BE VEGETATIVELY STABILIZED	95207 SF / 2.10 ACRES
TOTAL CUT	10725 CU. YDS
TOTAL FILL	14794 CU. YDS

 OFFSITE WASTE/BORROW AREA LOCATION - A SITE WITH A CURRENTLY ACTIVE GRADING PERMIT.
- 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 CONTROL, 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 WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

SEDIMENT BASIN NO. 1

PROPOSED D.A.	8.30 AC.
STORAGE PROVID.	24480 C.F.
WET STORAGE PROVID.	14930 C.F.
DRY STORAGE PROVID.	12240 C.F.
DRY STORAGE PROVID.	12240 C.F.
CLEAN OUT PROVID.	6120 C.F.
CLEAN OUT PROVID.	6120 C.F.
BARRIEL TYPE SIZE	15"
STORAGE DEPTH	4.85'
CLEAN OUT FLOW	137.0 (DAM TOP)
BOTTOM ELEV.	373.50
DEY STORAGE	372.00 (RISER CREST)
DEY STORAGE	371.50 (DRAW DOWN ELEV.) = BOTTOM OF PERFORMING
TRASH RACK SIZE	30"D. x 11"H.



VICINITY MAP

SCALE: 1" = 2000'

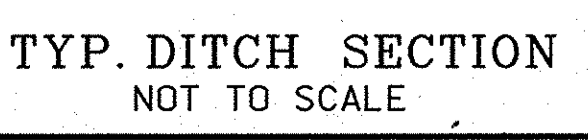
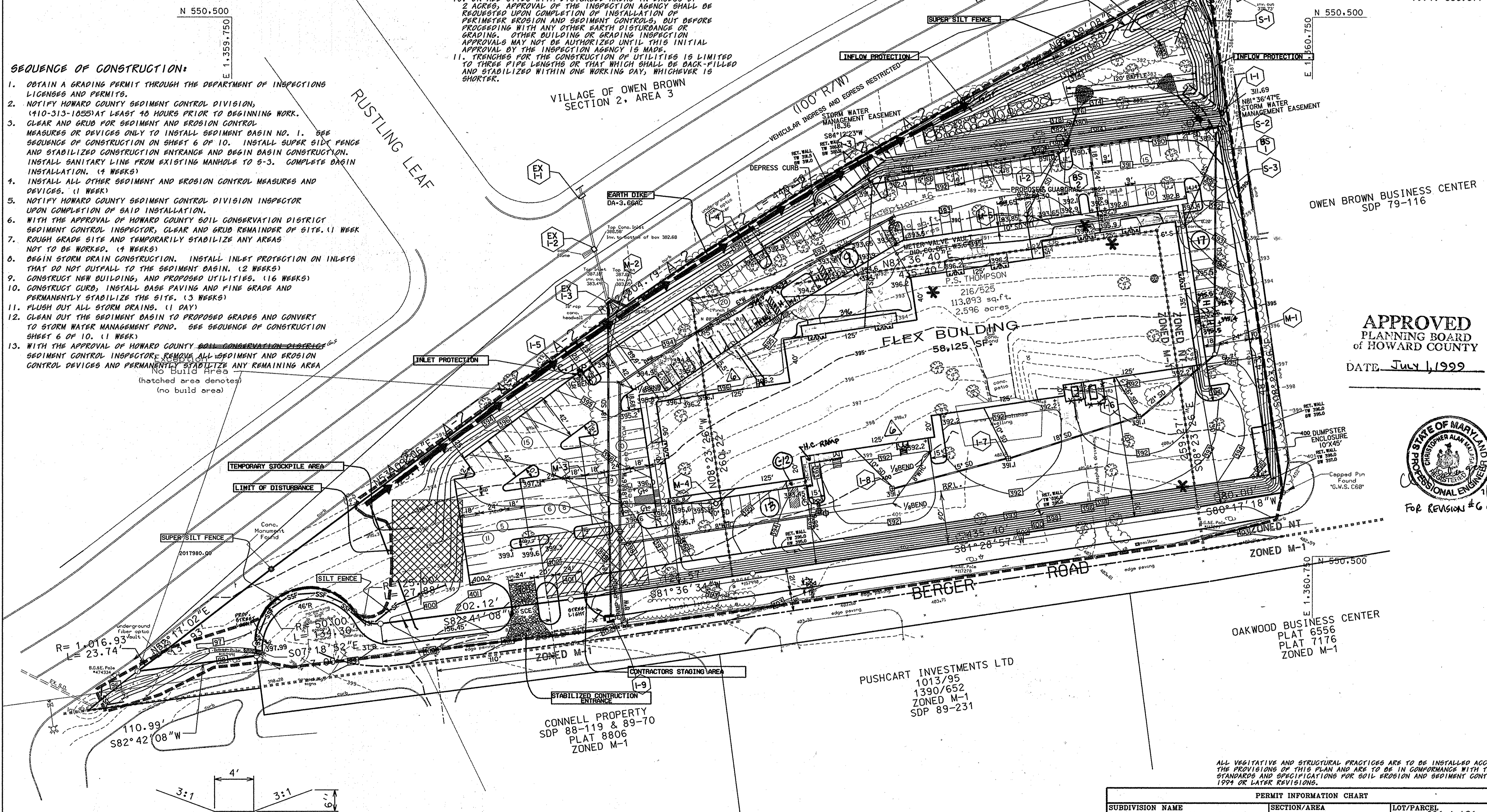
BENCH MARK : HOWARD COUNTY GEODETIC CONTROL

STA. 12CA NORTH 551695.723
EAST 1362506.439
ELEV. +377.147

STA. 361B NORTH 553340.642
EAST 1364085.211
ELEV. +306.377

SEQUENCE OF CONSTRUCTION:

- OBTAIN A GRADING PERMIT THROUGH THE DEPARTMENT OF INSPECTIONS LICENSES AND PERMITS.
- NOTIFY HOWARD COUNTY SEDIMENT CONTROL DIVISION, (410-313-1055) AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
- CLEAR AND GRUB FOR SEDIMENT AND EROSION CONTROL MEASURES OR DEVICES ONLY TO INSTALL SEDIMENT BASIN NO. 1. SEE SEQUENCE OF CONSTRUCTION ON SHEET 6 OF 10. INSTALL SUPER SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE AND BEGIN CONSTRUCTION. INSTALL SANITARY LINE FROM EXISTING MANHOLES TO 6-3. COMPLETE BASIN INSTALLATION. (4 WEEKS)
- INSTALL ALL OTHER SEDIMENT AND EROSION CONTROL MEASURES AND DEVICES. (1 WEEK)
- NOTIFY HOWARD COUNTY SEDIMENT CONTROL DIVISION INSPECTOR UPON COMPLETION OF SAID INSTALLATION.
- WITH THE APPROVAL OF HOWARD COUNTY SOIL CONSERVATION DISTRICT SEDIMENT CONTROL INSPECTOR, CLEAR AND GRUB REMAINDER OF SITE. (1 WEEK)
- ROUGH GRADE SITE AND TEMPORARILY STABILIZE ANY AREAS NOT TO BE WORKED. (4 WEEKS)
- BEGIN STORM DRAIN CONSTRUCTION. INSTALL INLET PROTECTION ON INLETS THAT DO NOT OUTFALL TO THE SEDIMENT BASIN. (2 WEEKS)
- CONSTRUCT NEW BUILDING, AND PROPOSED UTILITIES. (16 WEEKS)
- CONSTRUCT CURB, INSTALL BASE PAVING AND FINE GRADE AND PERMANENTLY STABILIZE THE SITE. (3 WEEKS)
- FLUSH OUT ALL STORM DRAINS. (1 DAY)
- CLEAN OUT THE SEDIMENT BASIN TO PROPOSED GRADES AND CONVERT TO STORM WATER MANAGEMENT POND. SEE SEQUENCE OF CONSTRUCTION SHEET 6 OF 10. (1 WEEK)
- WITH THE APPROVAL OF HOWARD COUNTY SOIL CONSERVATION DISTRICT SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT AND EROSION CONTROL DEVICES AND PERMANENTLY STABILIZE ANY REMAINING AREA (hatched area denotes no build area) (no build area)



PERMIT INFORMATION CHART

SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL
VILLAGE OF OWEN BROWN	SECTION 2/ AREA 3	336 & 194
PLAT * OR L/F	BLOCK *	ZONING
13917	6	M-1 & NT
WATER CODE	E-06	SEWER CODE
		5202000
TAX/ZONING MAP	ELECTION DIST	CENSUS TRACT
42	6	6067.03

BY THE DEVELOPER

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Sam P... 9/2/99
DEVELOPER DATE

BY THE ENGINEER:

I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Patrick C. ... 9/2/99
ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Chief ... 9/15/99
U.S. SOIL CONSERVATION SERVICE DATE

... 9/15/99
HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

... 9/23/99
DIRECTOR DATE

... 9/22/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

... 9/23/99
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION
7-29-14	6	ADD SIDE WALK, FIX DOOR LOCATIONS
8/3/09	5	ADD HANDICAP RAMPS
6/12/00	3	REMOVE SIDEWALKS, BLDG. ADD. & HC SPACES
5/25/99	1	
11/6/99	2	DAYSAVER

OWNER/DEVELOPER

PLATT & COMPANY, INC.
VILLAGE OF CROSS KEYS
VILLAGE SQUARE I, SUITE 156
BALTIMORE, MARYLAND 21210
Attn: DWIGHT PLATT, JR. PH 410-532-2205

PROJECT:

COLUMBIA TECH CENTER

AREA TAX MAP NO. 42 BLOCK NO. 4
PARCEL/LOT No. : 194 & 401 ZONING : M-1 & NT
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

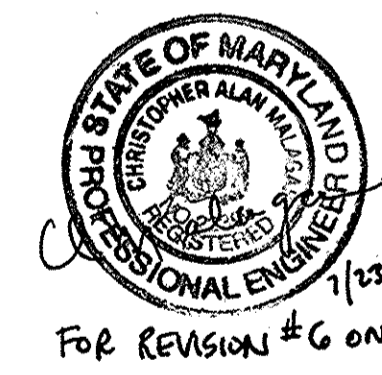
TITLE

SEDIMENT CONTROL PLAN

PURDUM and JESCHKE, LLC
Consulting Engineers and Land Surveyors Civil • Structural • Environmental
The Professional Engineering Center
805 Hartford Road - Baltimore, Maryland 21234
Phone: 410-668-8800 - Fax: 410-668-8801

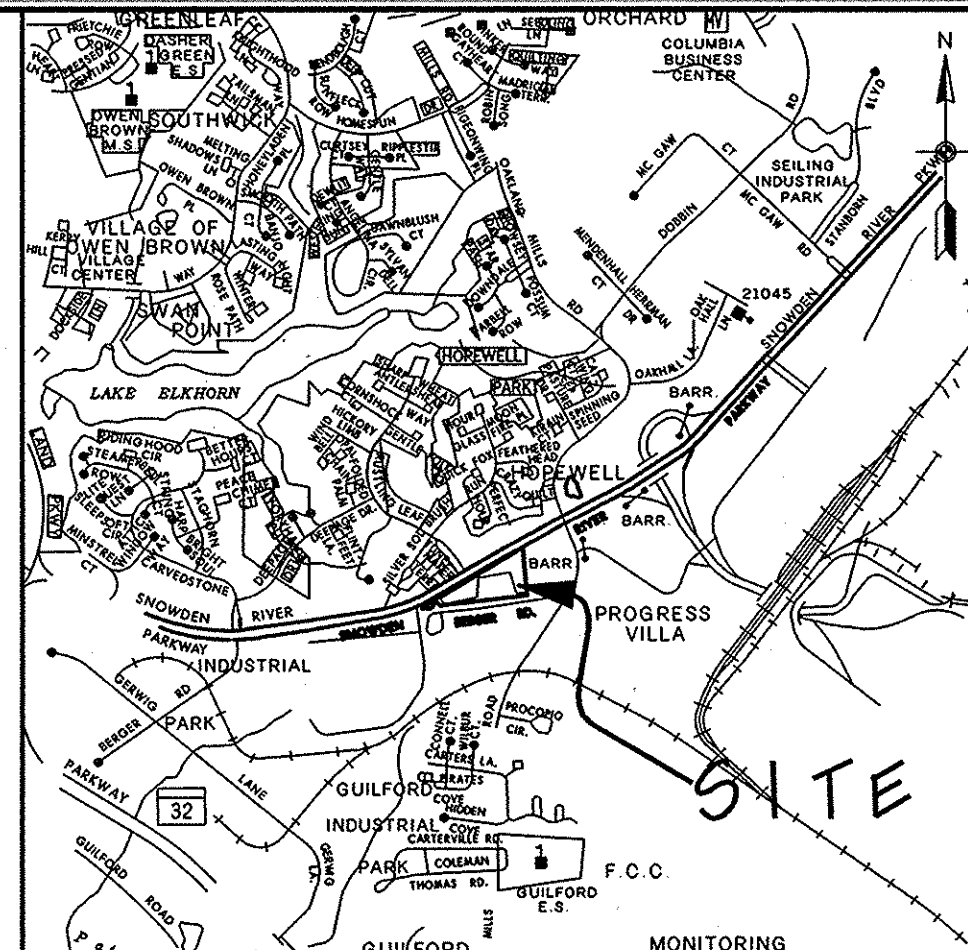
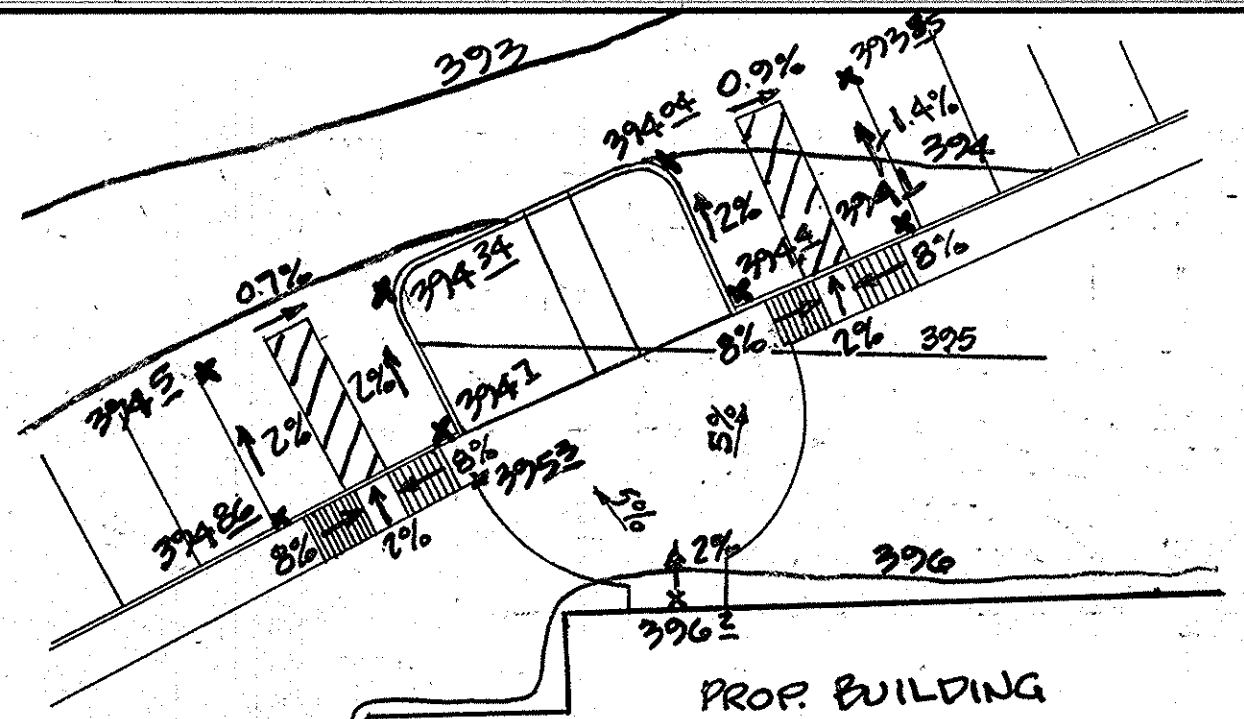
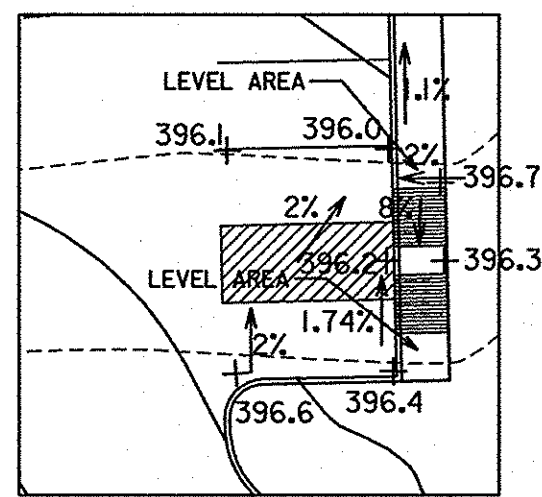
9/2/99
DATE

CHECKED BY: PCR
DESIGNED BY: PCR
DRAWN BY: JLP
PROJECT NO.: 99-003
DATE: 4/19/99
SCALE: 1" = 50'
DRAWING NO. 2 OF 11



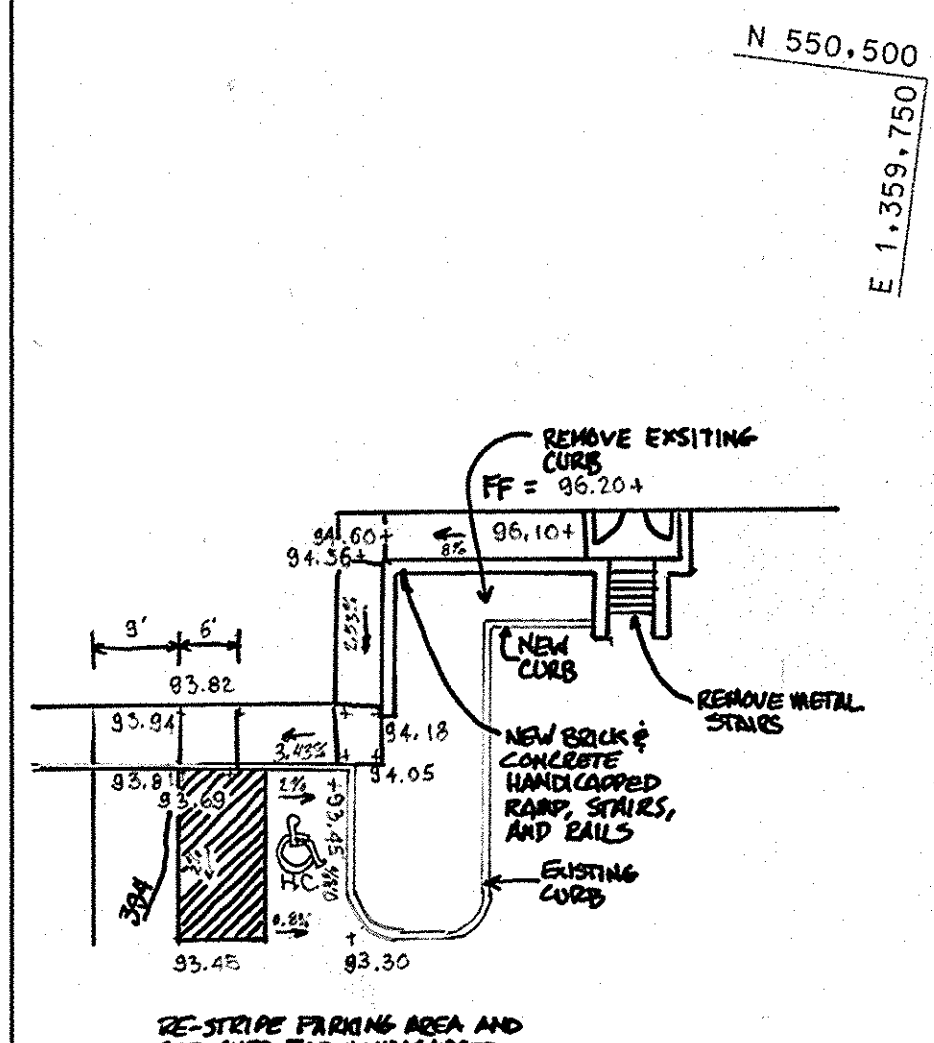
ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, DATED 1994 OR LATER REVISIONS.

PLATT & COMPANY, INC. 172714



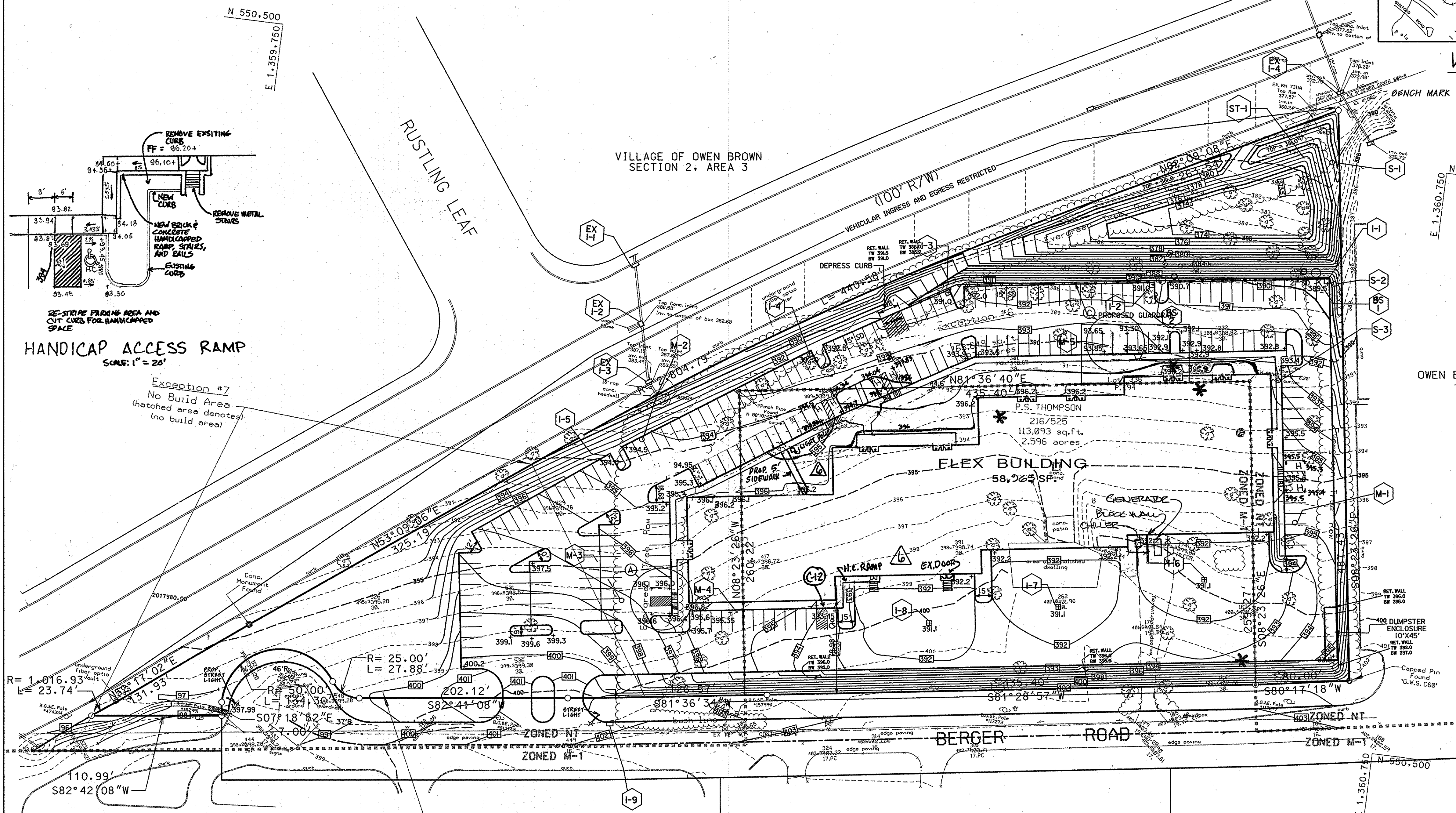
VICINITY MAP
SCALE: 1"=2000'

BENCH MARK: HOWARD COUNTY GEODETIC CONTROL
 STA. 42GA NORTH 551695.723
 EAST 1362506.439
 ELEV. +377.147'
 STA. 361B NORTH 553340.642
 EAST 1364085.211
 ELEV. +386.377'

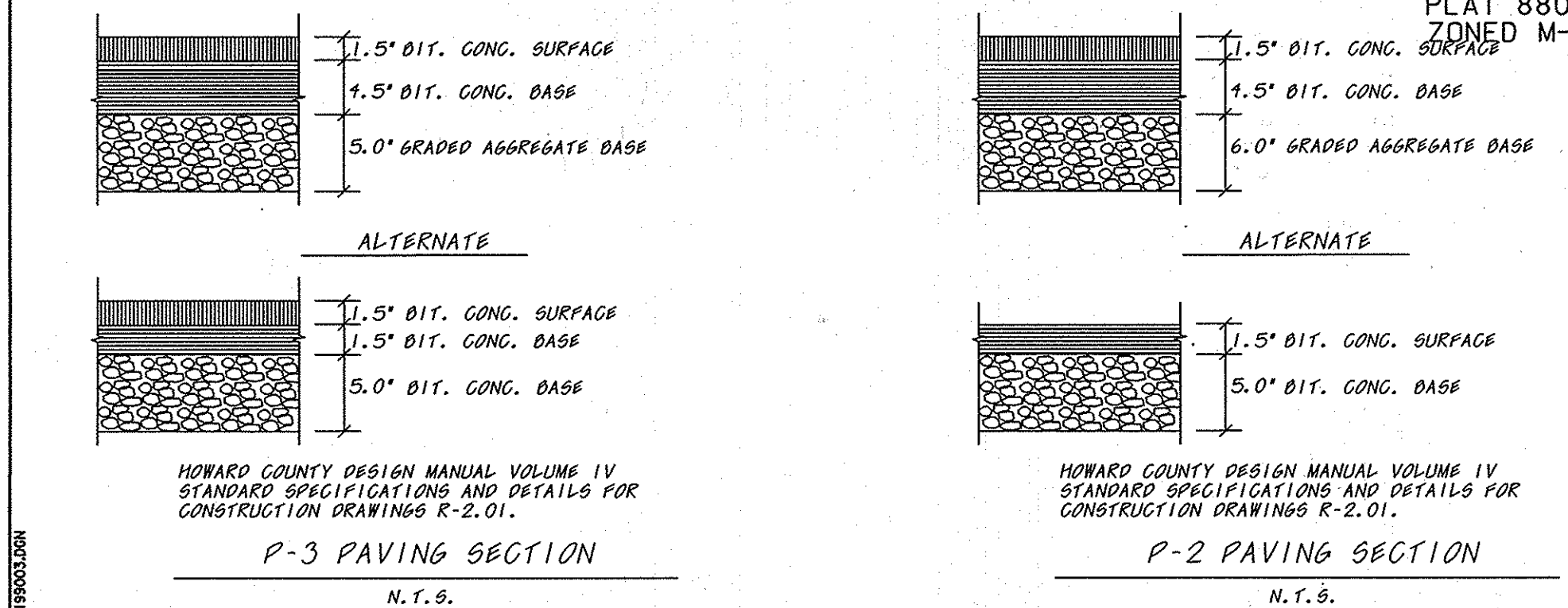
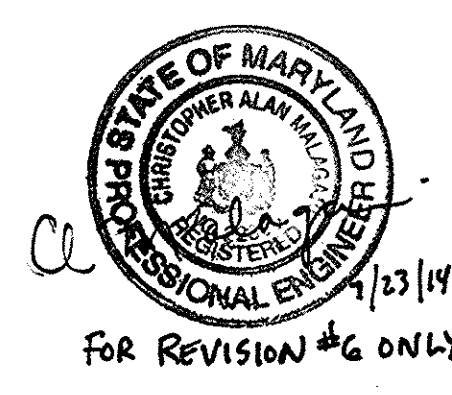


HANDICAPPED ACCESS RAMP
SCALE: 1" = 20'

Exception #7
 No Build Area
 (hatched area denotes
 no build area)



OWEN BROWN BUSINESS CENTER
SDP 79-116



HOWARD COUNTY DESIGN MANUAL VOLUME IV
 STANDARD SPECIFICATIONS AND DETAILS FOR
 CONSTRUCTION DRAWINGS R-2.01.

HOWARD COUNTY DESIGN MANUAL VOLUME IV
 STANDARD SPECIFICATIONS AND DETAILS FOR
 CONSTRUCTION DRAWINGS R-2.01.

PUSHCART INVESTMENTS LTD
 1013/95
 1390/652
 ZONED M-1
 SDP 89-231

OAKWOOD BUSINESS CENTER
 PLAT 6556
 PLAT 7176
 ZONED M-1

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE JULY 1, 1999

AS BUILT CERTIFICATE

APPROVED: HOWARD COUNTY DEPARTMENT OF
 PLANNING AND ZONING.

Paul R. Smith 9/23/99
 DIRECTOR DATE

Mike Dammann 9/23/99
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Carole Hamilton 9/23/99
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION
7-23-14	6	ADD SIDEWALK, FIX DOOR LOCATIONS
8/3/09	5	ADD HANDICAP RAMP
6/12/00	2	REVISE SIDEWALK, BUILD ADD. H.C. SPACES
6/25/99	1	
11/8/99	2	REVISION

OWNER/DEVELOPER
 PLATT & COMPANY, INC.
 VILLAGE OF CROSS KEYS
 VILLAGE SQUARE I, SUITE 156
 BALTIMORE, MARYLAND 21210
 Attn: DWIGHT PLATT, JR. PH 410-532-2205

PROJECT:
COLUMBIA TECH CENTER

AREA TAX MAP No. 42 BLOCK No. 4
 PARCEL/LOT No. 1 194 & 401 ZONING M-1 & NT
 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE
GRADING PLAN

PURDUM and JESCHKE, LLC
 Consulting Engineers and Land Surveyors Civil - Structural - Environmental
 The Professional Engineering Center
 8005 Harford Road - Baltimore, Maryland 21234
 Phone: 410-668-8800 - Fax: 410-668-8801

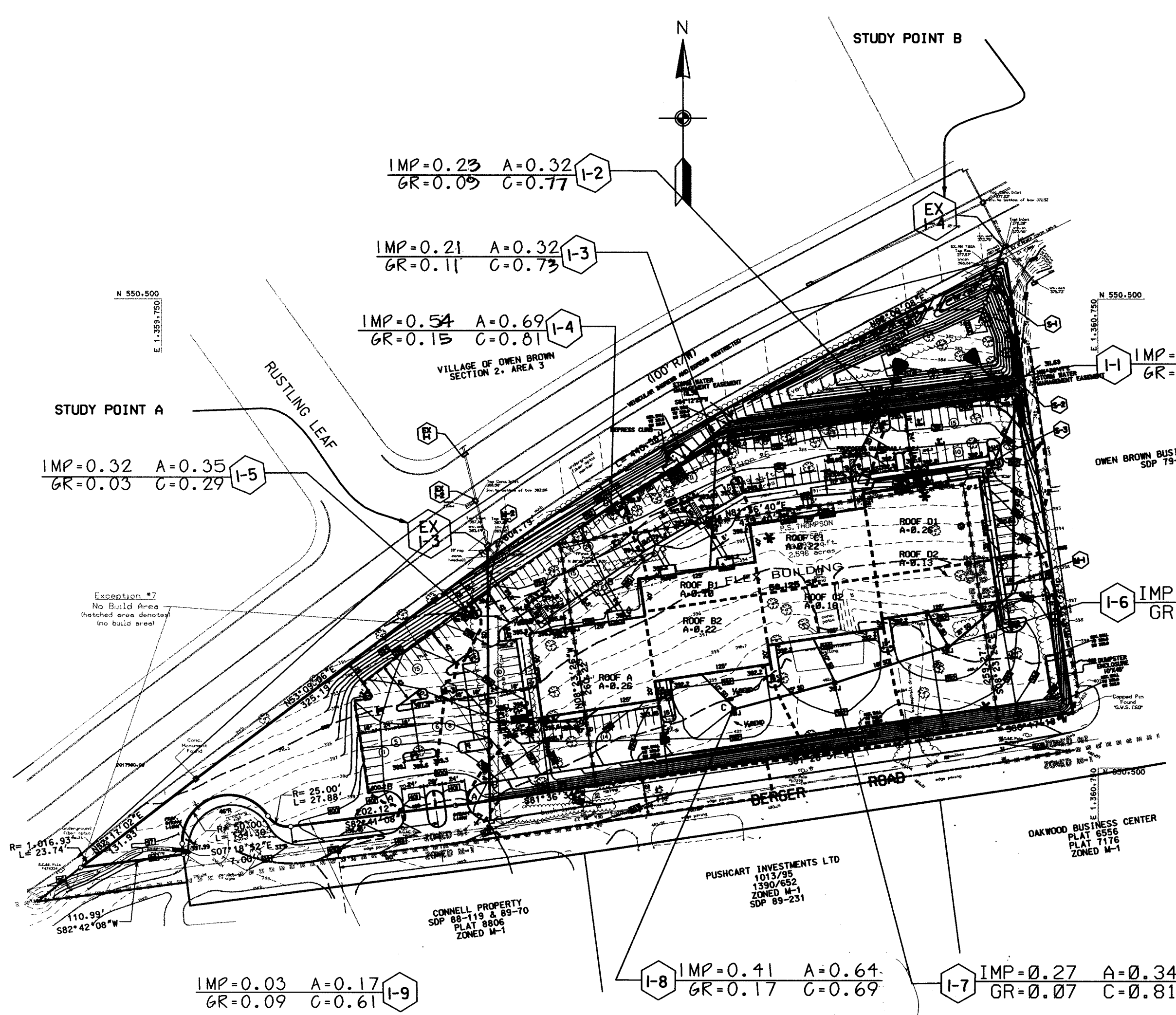
9/2/99
 DATE

CHECKED BY: PCR
 DESIGNED BY: PCR
 DRAWN BY: JLP
 PROJECT NO.: 99-003
 DATE: 4/19/99
 SCALE: 1" = 50'
 DRAWING NO. 4 OF 11

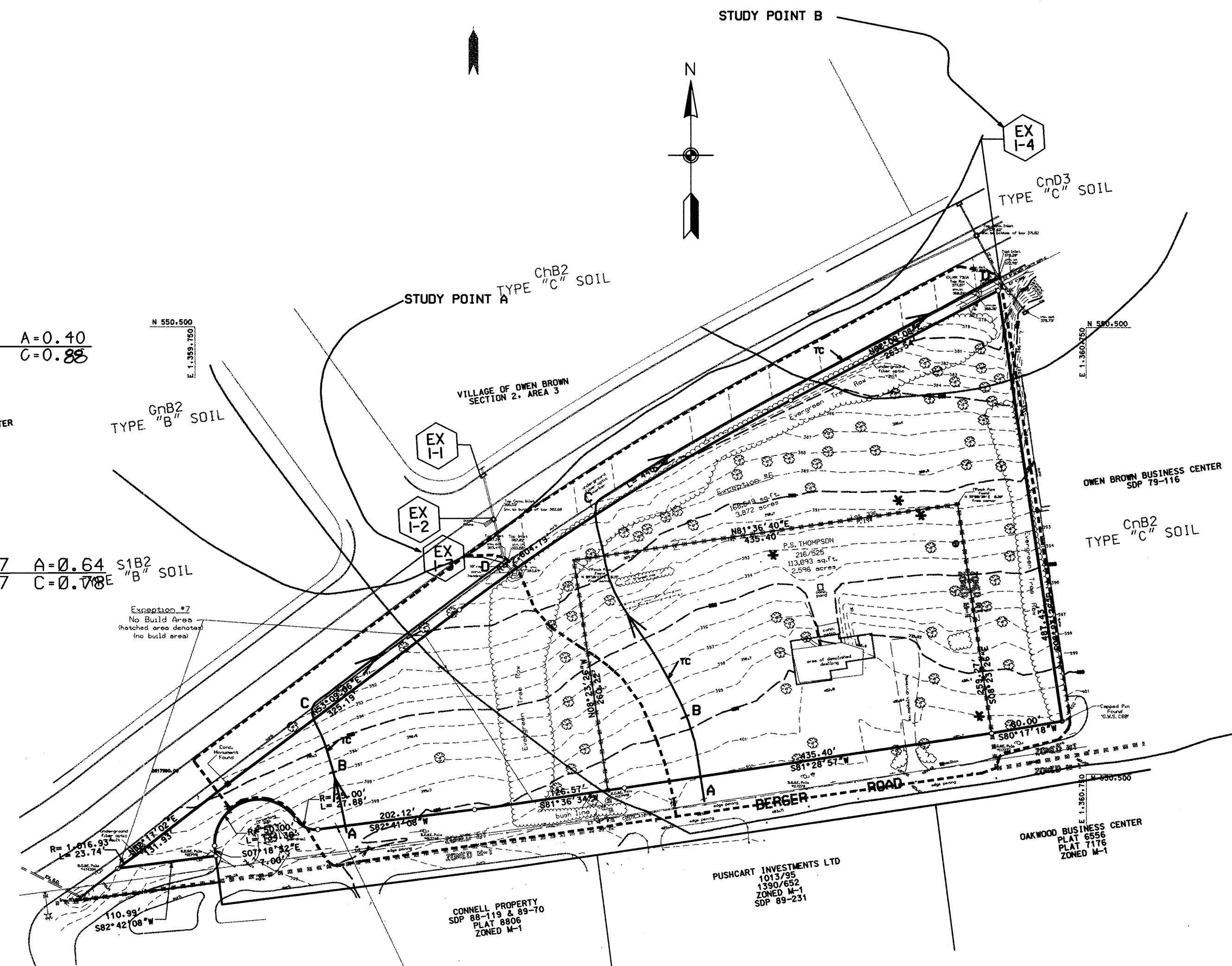
PERMIT INFORMATION CHART

SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL
VILLAGE OF OWEN BROWN	SECTION 2/ AREA 3	336 & 194
PLAT • OR L/F	BLOCK •	ZONING
13917	6	M-1 & NT
TAX/ZONING MAP	ELECTION DIST	CENSUS TRACT
42	6	6067.03
WATER CODE	SEWER CODE	
6-06	5202000	

9/23/99 10:00 AM 10/23/99 10:00 AM 10/23/99 10:00 AM 10/23/99 10:00 AM 10/23/99 10:00 AM



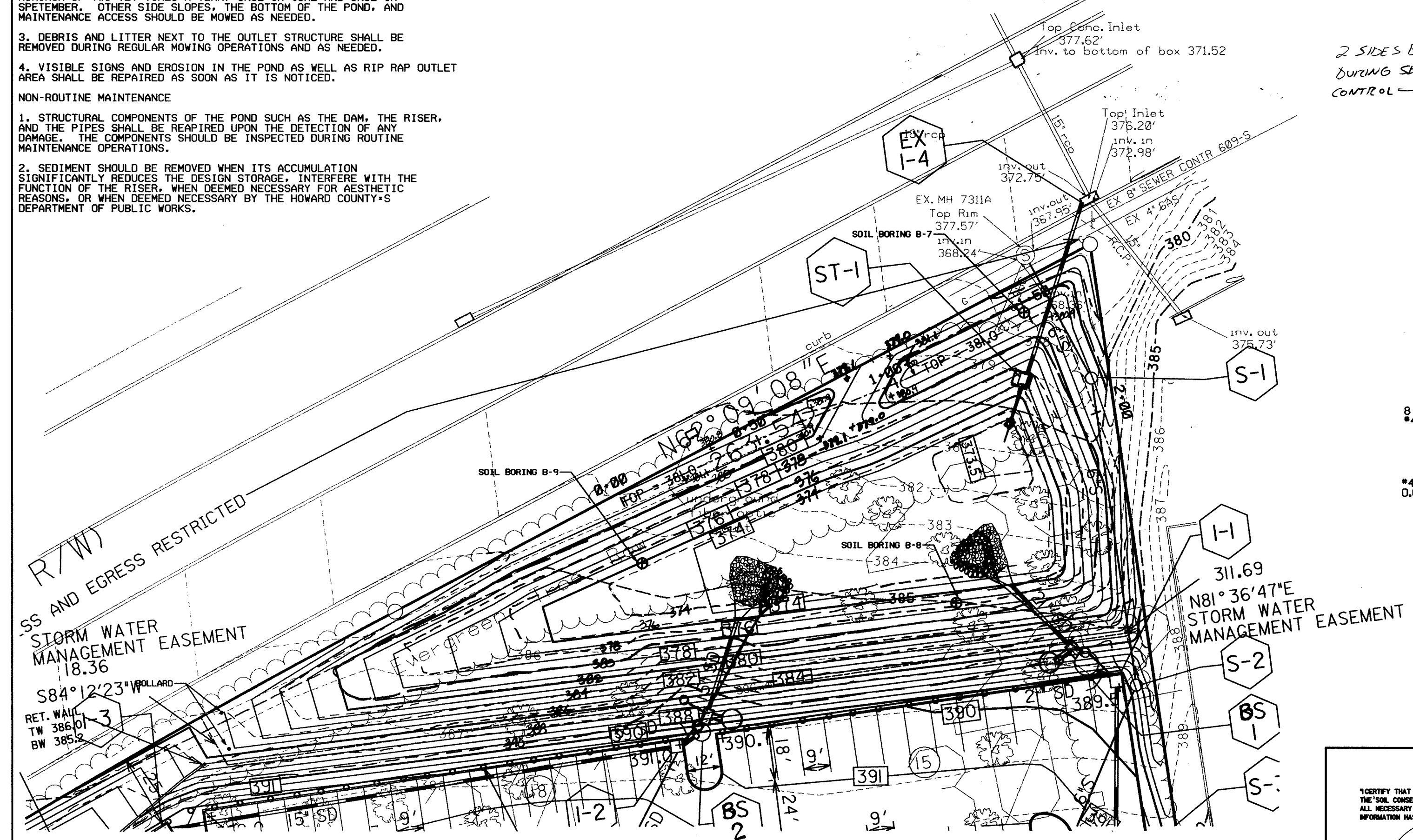
PROPOSED DRAINAGE AREA MAP
SCALE 1"=100'



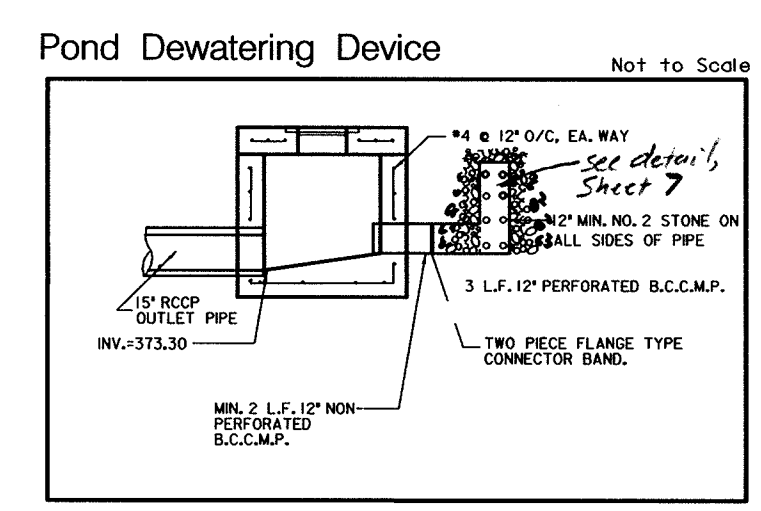
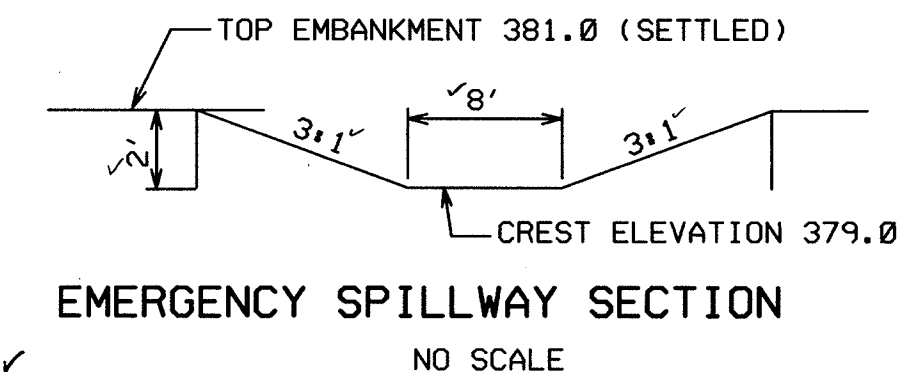
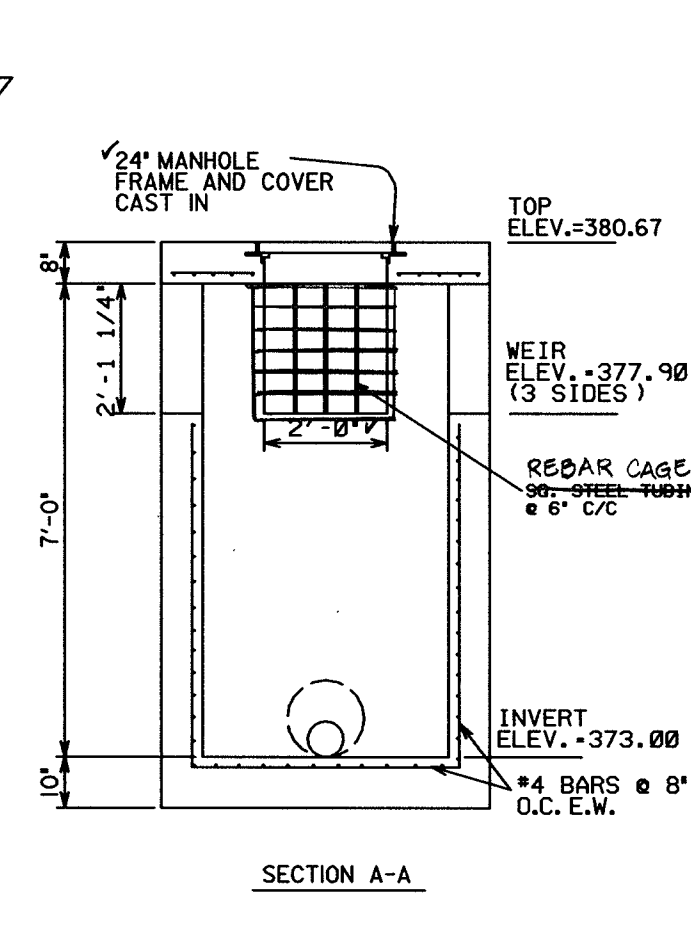
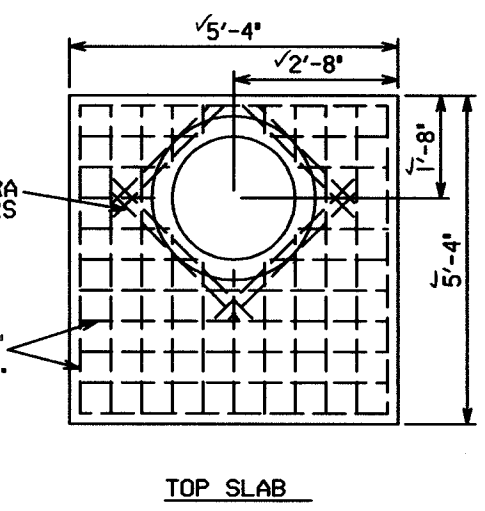
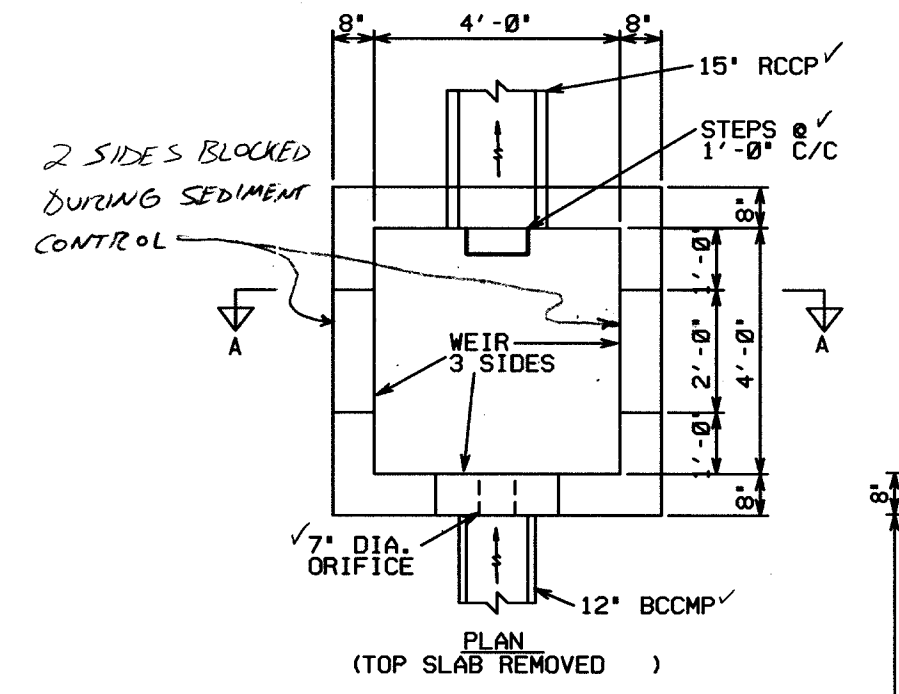
EXISTING DRAINAGE AREA MAP
SCALE 1"=100'

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: JULY 1, 1999

- ROUTINE MAINTENANCE**
- FACILITY SHALL BE INSPECTED ANNUALLY AND AFTER MAJOR STORMS. INSPECTIONS SHOULD BE PERFORMED DURING WET WEATHER TO DETERMINE IF THE POND IS FUNCTIONING PROPERLY.
 - TOP AND SIDE SLOPES OF THE EMBANKMENT SHALL BE MOVED A MINIMUM OF TWO (2) TIMES A YEAR, ONCE IN JUNE AND ONCE IN SEPTEMBER. OTHER SIDE SLOPES, THE BOTTOM OF THE POND, AND MAINTENANCE ACCESS SHOULD BE MOVED AS NEEDED.
 - DEBRIS AND LITTER NEXT TO THE OUTLET STRUCTURE SHALL BE REMOVED DURING REGULAR MAINTENANCE OPERATIONS AND AS NEEDED.
 - VISIBLE SIGNS AND EROSION IN THE POND AS WELL AS RIP RAP OUTLET AREA SHALL BE REPAIRED AS SOON AS IT IS NOTICED.
- NON-ROUTINE MAINTENANCE**
- STRUCTURAL COMPONENTS OF THE POND SUCH AS THE DAM, THE RISER, AND THE PIPES SHALL BE REPAIRED UPON THE DETECTION OF ANY DAMAGE. THE COMPONENTS SHOULD BE INSPECTED DURING ROUTINE MAINTENANCE OPERATIONS.
 - SEDIMENT SHOULD BE REMOVED WHEN ITS ACCUMULATION SIGNIFICANTLY REDUCES THE DESIGN STORAGE, INTERFERE WITH THE FUNCTION OF THE RISER, WHEN DEEMED NECESSARY FOR AESTHETIC REASONS, OR WHEN DEEMED NECESSARY BY THE HOWARD COUNTY'S DEPARTMENT OF PUBLIC WORKS.



SWM POND PLAN
SCALE 1"=30'



Design Summary

DESIGN STORM	ALLOWABLE RELEASE RATE	FACILITY INFLOW	FACILITY DISCHARGE	SITE DISCHARGE	WATER SURFACE ELEVATION	STORAGE VOLUME (AC. FT.)
2 YEAR	2.70 cfs	15.35 cfs	2,11 @96 cfs	10.60 @955 cfs	376.4 @966 ft.	0.41 @98 ac. ft.
10 YEAR	2.70 cfs	26.30 cfs	3,87 @94 cfs	19.13 @990 cfs	378.10 @990 ft.	0.74 @995 ac. ft.
100 YEAR	24.75 cfs	38.42 cfs	11,99 @97 cfs	34.92 @997 cfs	379.10 @997 ft.	1.15 @9 ac. ft.

CONSULTANT'S HAZARD CLASS CERTIFICATION
I CERTIFY THAT THIS POND MEETS ALL REQUIREMENTS FOR HAZARD CLASS A, PRESCRIBED AS STATED IN THE "SOIL CONSERVATION SERVICE - MARYLAND STANDARDS AND SPECIFICATIONS FOR POND CODE 376 NOVEMBER 1993." ALL NECESSARY INVESTIGATIONS AND COMPUTATIONS HAVE BEEN PERFORMED TO VERIFY THIS FINDING. A COPY OF SAID INFORMATION HAS BEEN SUPPLIED TO THE AGENCIES.
SIGNATURE: *Patrick C. Richardson, Jr.*
PRINT NAME: PATRICK C. RICHARDSON, JR.
LIC. NO. 18597 DATE: 9/2/99

STRUCTURE CLASSIFICATION: A
STORAGE-HEIGHT PRODUCT: (279.00-273.50)X3 = 6.215 AC-FT
WATERSHED AREA TO FACILITY (ACRES): 5.07 AC.
LEVEL OF MANAGEMENT PROVIDED BY FACILITY: 2 AND 10 YR. QUANTITY MANAGEMENT
QUALITY MANAGEMENT: STORMCEPTORS

PERMIT INFORMATION CHART

SUBDIVISION NAME VILLAGE OF OWEN BROWN	SECTION/AREA SECTION 2/ AREA 3	LOT/PARCEL 336 & 194
PLAT * OR L/F 13917	BLOCK * 6	ZONING M-1 & NT
TAX/ZONING MAP 42	ELECTION DIST 6	CENSUS TRACT 6067.03
WATER CODE E-06	SEWER CODE 5202000	

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
Howard S. Smith 9/23/99
DIRECTOR DATE
Chris Pommers 9/22/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Lucinda Hamilton 9/23/99
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION
12/18/00	4	AS-BUILT
6/12/00	3	REMOVE SIDEWALKS, BLDG ADD, & MC SPACES
5/25/99	1	
11/8/99	2	BAYS AVER

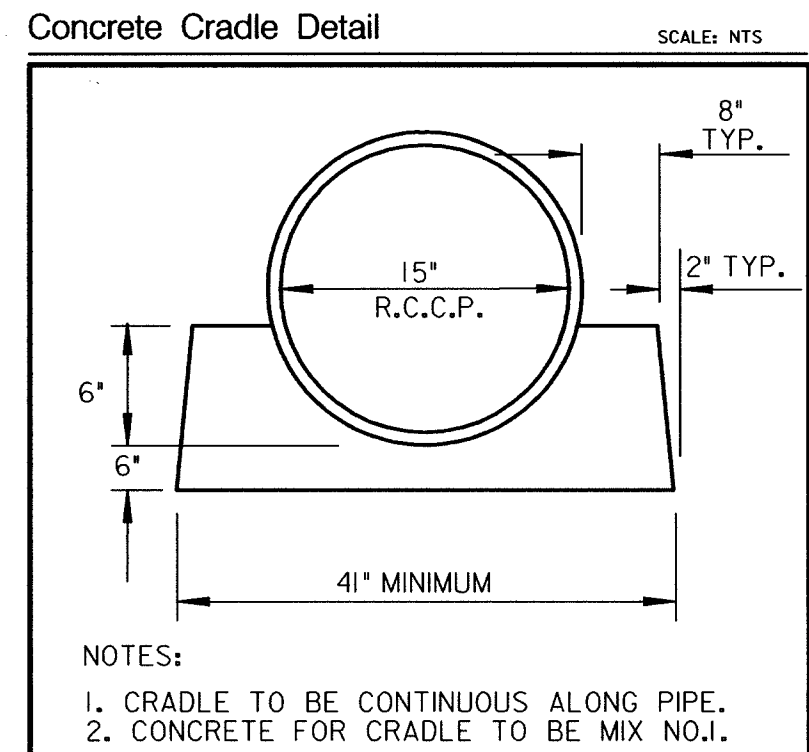
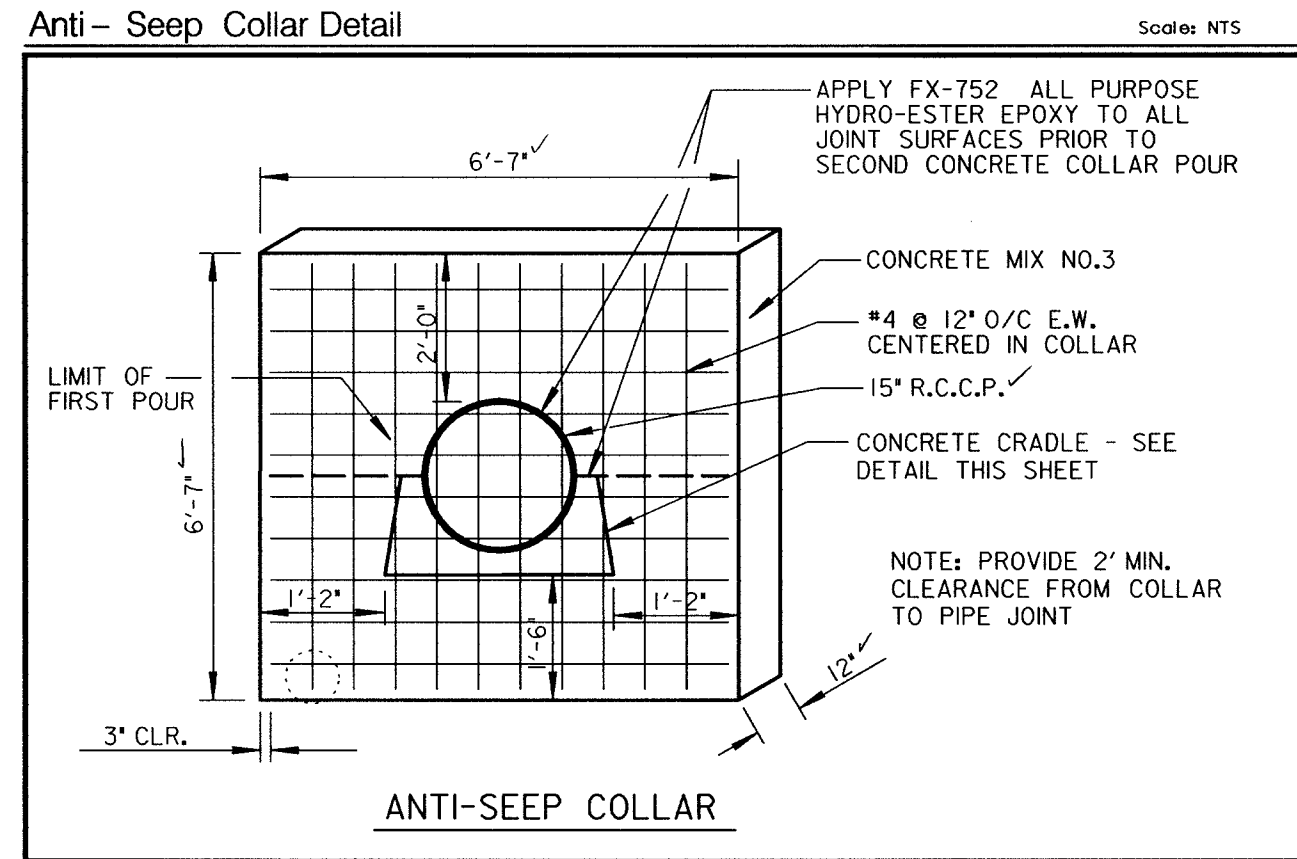
OWNER/DEVELOPER
PLATT & COMPANY, INC.
VILLAGE OF CROSS KEYS
VILLAGE SQUARE I, SUITE 156
BALTIMORE, MARYLAND 21210
Attn: DWIGHT PLATT, JR. PH 410-532-2205

PROJECT:
COLUMBIA TECH CENTER
AREA TAX MAP NO. 42 BLOCK No. 4
PARCEL/LOT No.: 194 & 401 ZONING: M-1 & NT
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE
STORMWATER MANAGEMENT AND DRAINAGE AREA PLAN

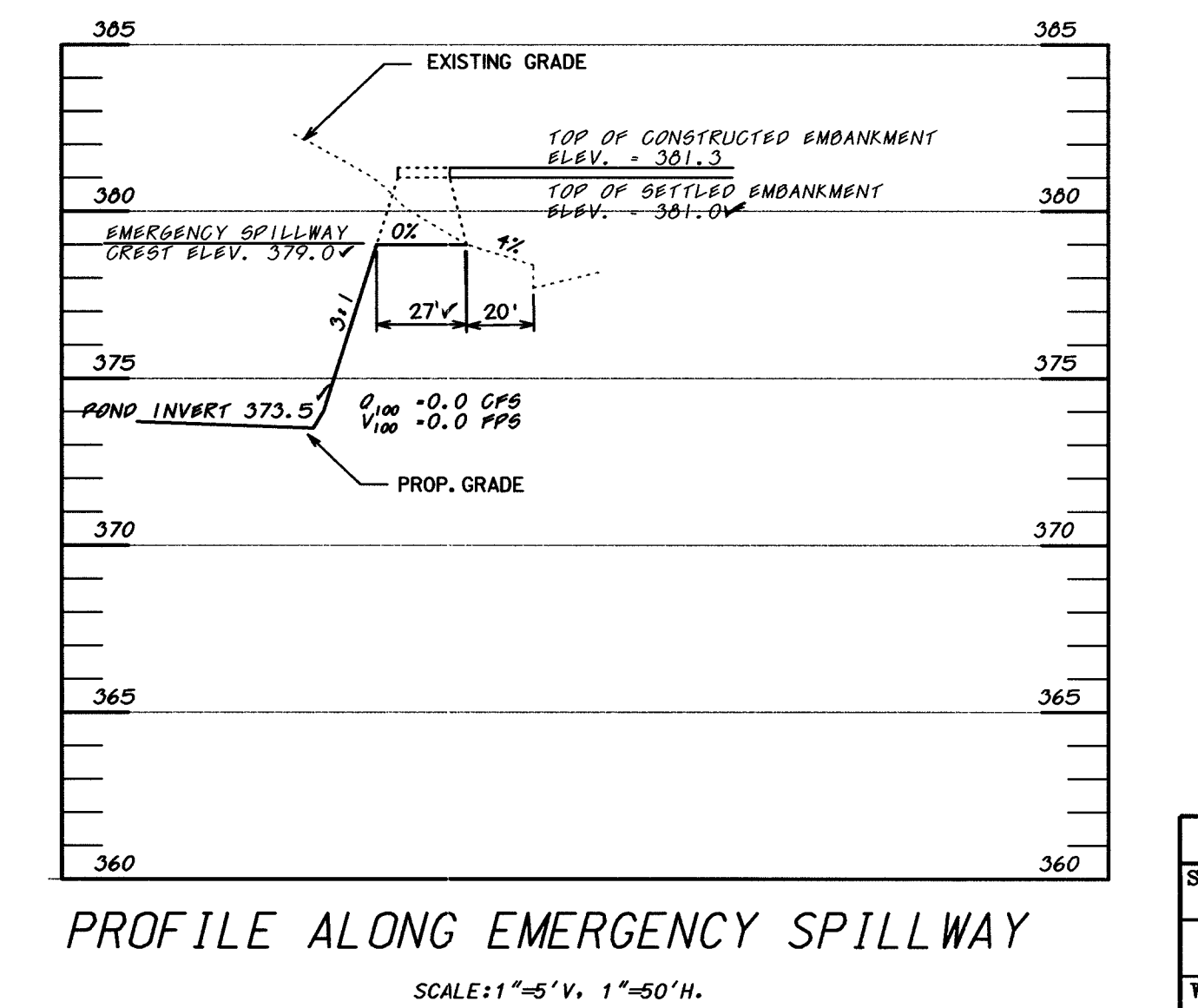
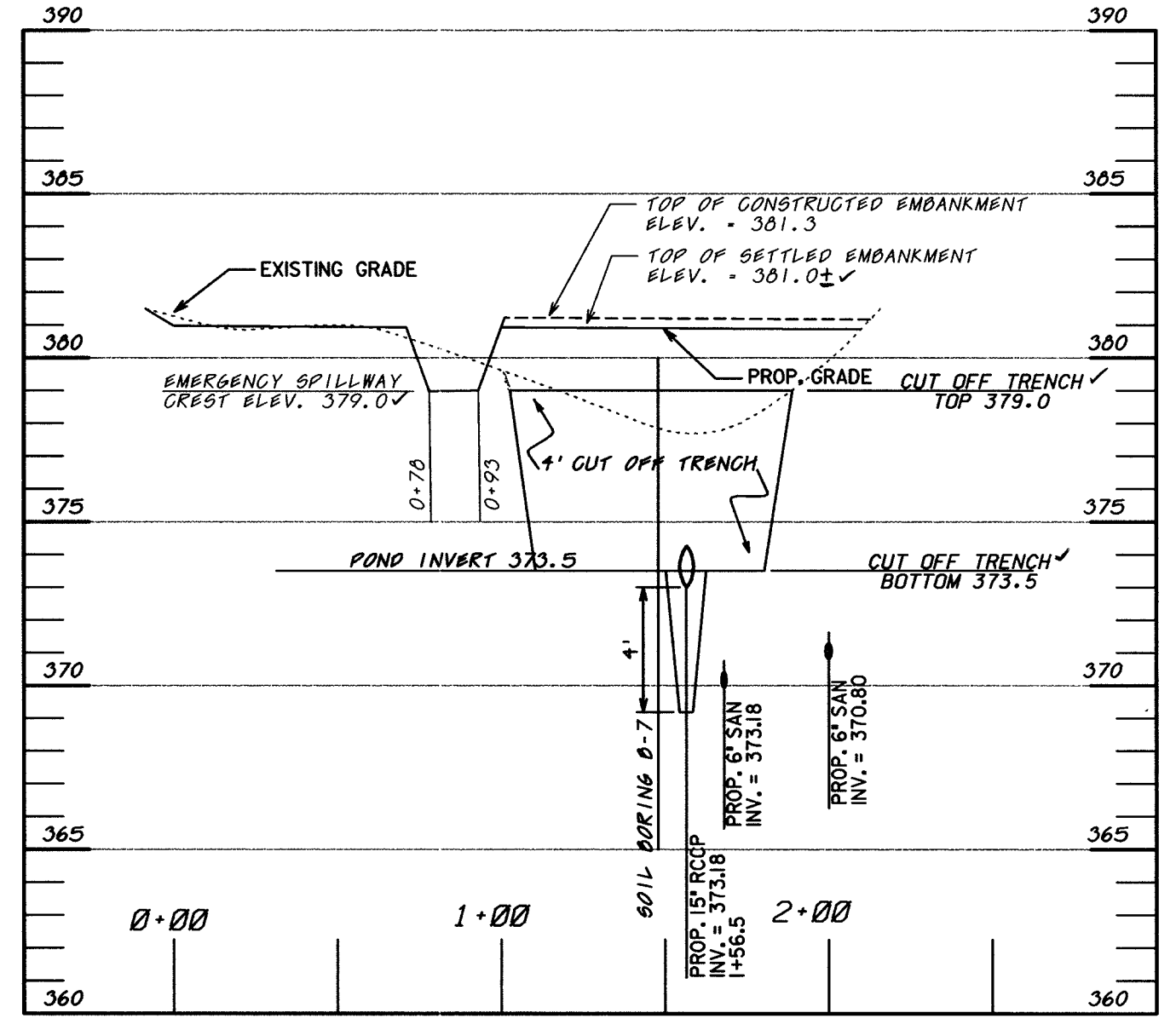
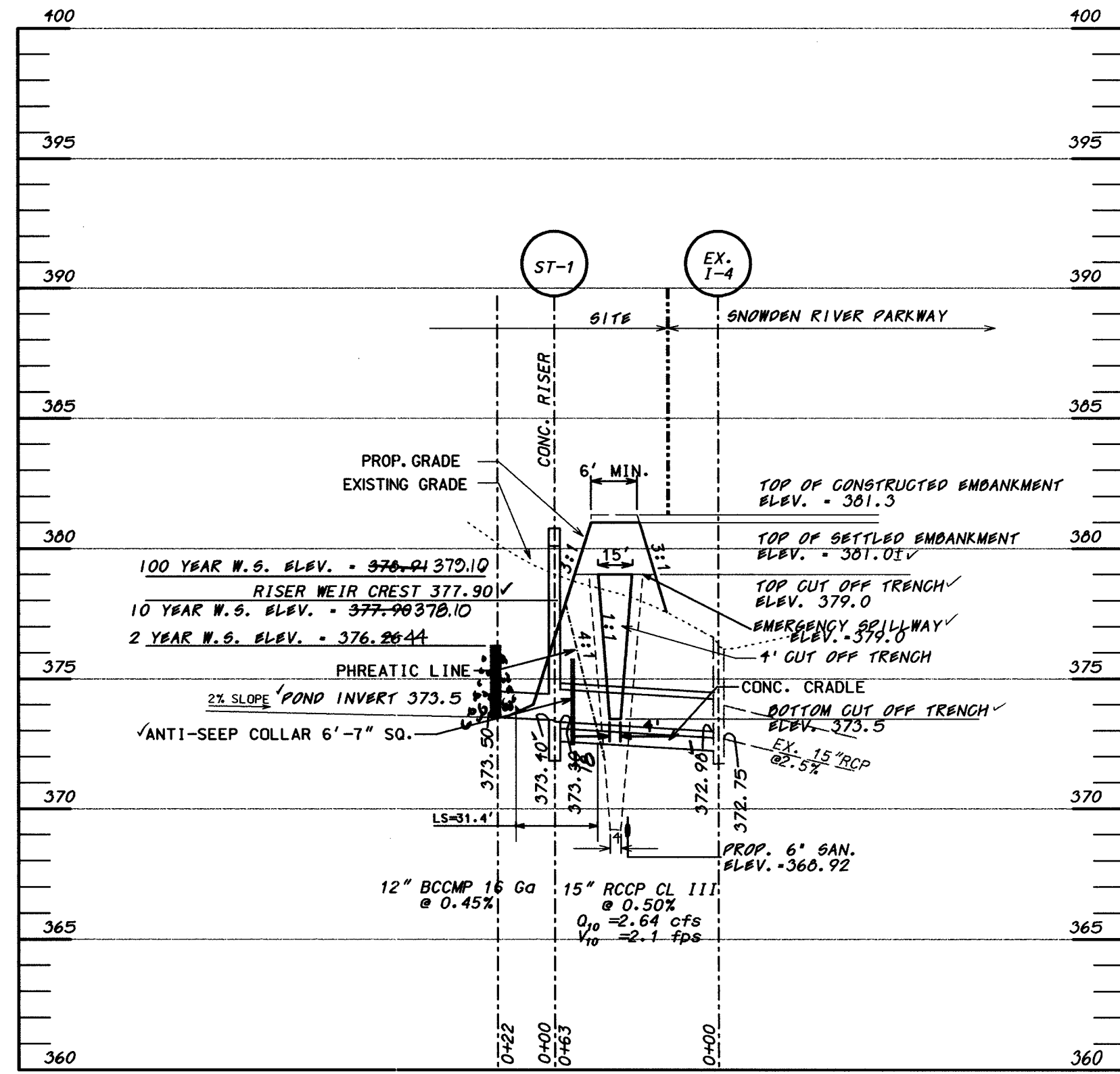
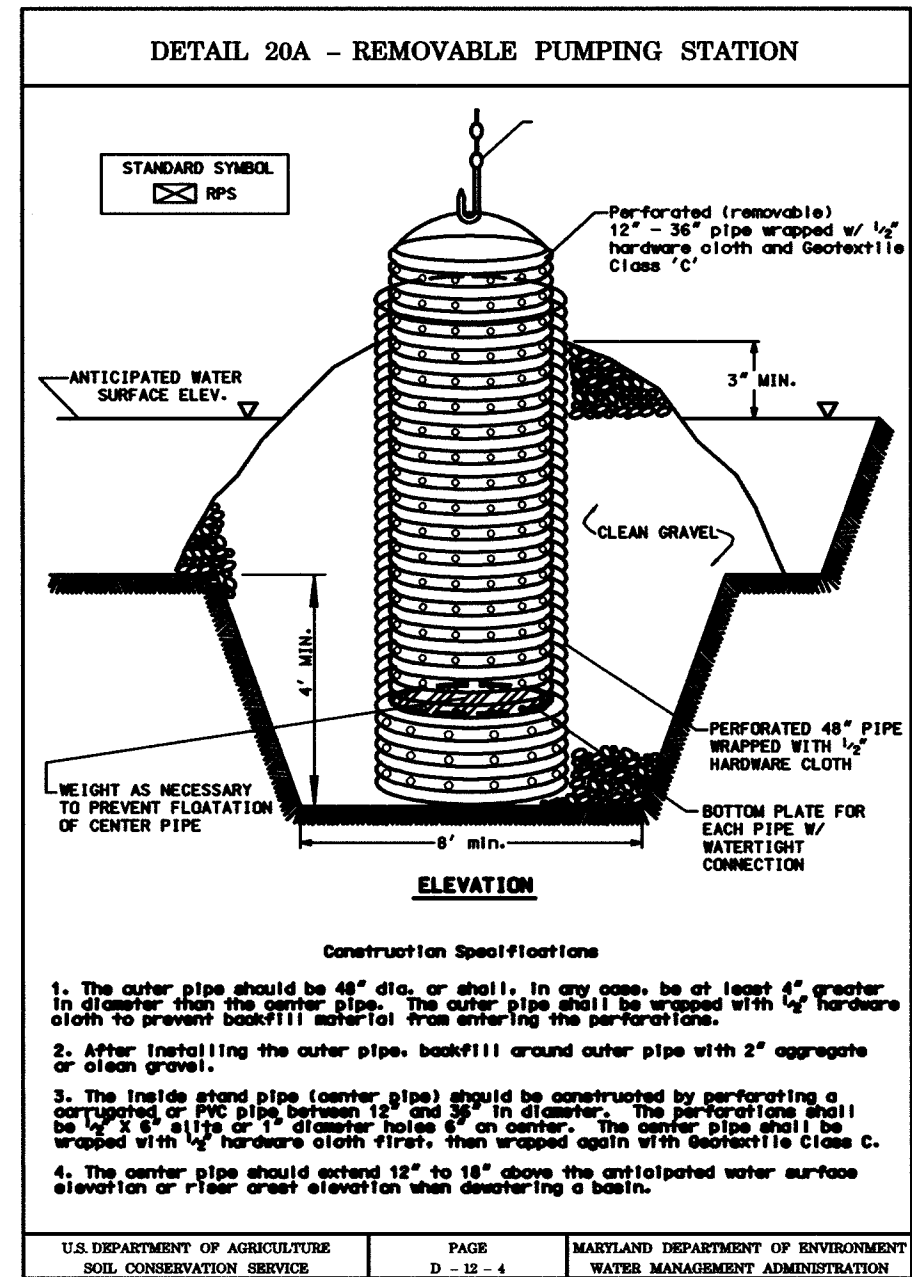
PURDUM and JESCHKE, LLC
Consulting Engineers and Land Surveyors Civil - Structural - Environmental
The Professional Engineering Center
8005 Harford Road - Baltimore, Maryland 21234
Phone: 410-668-8800 - Fax: 410-668-8801

9/2/99 DATE
CHECKED BY: PCR
DESIGNED BY: PCR
DRAWN BY: JLP
PROJECT NO.: 99-003
DATE: 4/19/99
SCALE: AS SHOWN
DRAWING NO. 5 OF 11



Sequence of Development Stormwater Management Pond

- OBTAIN ALL NECESSARY PERMITS.
- NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- INSTALL ALL NECESSARY SEDIMENT CONTROL MEASURES AS PER THE SEDIMENT AND EROSION CONTROL PLAN.
- EXCAVATE THE POND TO THE REQUIRED DIMENSIONS AND DEPTH.
- INSTALL THE CUTOFF TRENCH AND THE OUTFALL PIPE AS SHOWN. STABILIZE ALL AREAS. INSPECTION OF THE CUTOFF TRENCH IS REQUIRED FOR CERTIFICATION OF THE AS-BUILT POND.
- INSTALL THE RISER STRUCTURE, BARREL AND SEDIMENT CONTROL DRAW DOWN DEVICE. INSTALL WOOD OVER 2 WEIRS DURING USE AS A SEDIMENT BASIN.
- AFTER CONSTRUCTION IS COMPLETE AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SILT AND DISPOSE OF TO AN APPROVED LOCATION. REMOVE THE DRAW DOWN DEVICE AND INSTALL THE TRASH RACK AS SHOWN ON THE S.W.M. PLAN. REMOVE BOARDS FROM WEIRS.
- STABILIZE ALL AREAS THAT ARE DISTURBED USING PERMANENT SEEDING AND MULCHING.
- AS-BUILT THE POND WITHIN 30 DAYS AFTER COMPLETION AND SUBMIT AS-BUILT PLANS TO HOWARD COUNTY FOR APPROVAL.



SPECIFICATIONS

These specifications are appropriate to all ponds within the scope of the Standard for practice M.E.R. All references to ASTM and AASHTO specifications apply to the most recent version.

Site Preparation

Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and stripped of topsoil. All trees, brush, stumps, roots and other objectionable material shall be removed. Channel banks and sharp breaks shall be sloped to no steeper than 1:1.

Areas to be covered by the reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable material unless otherwise designated on the plans. Trees and stumps shall be cut approximately level with the ground surface. For dry stormwater management ponds.

A minimum of 3" of topsoil shall be placed over the cleared areas.

All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative, when specified, sufficient quantity of material shall be stockpiled in a suitable location for use on the embankment and other designated areas.

Earth Fill

Material - The fill material shall be taken from approved designated borrow areas. It shall be free of roots, stumps, wood, rubbish, stones greater than 2", trash or other objectionable materials. Fill material for the center of the embankment and cut off trench shall conform to Unified Soil Classification No. SC, CL or CL consideration may be given to the use of other materials in the embankment if design and construction are supervised by a geotechnical engineer.

Placement - Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in maximum 8 inch thick (before compaction) layers which are to be continuous over the entire length of the fill. The most permeable borrow material shall be placed in the downstream portions of the embankment. The principal spillway must be installed concurrently with fill placement and not excavated into the embankment.

Compaction - The movement of the hauling and spreading equipment over the fill shall be controlled so that the surface of each compacted layer shall be free of ruts or other track marks of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot roller or equivalent. The material shall be compacted to contain sufficient moisture such that the required degree of compaction will be obtained with the equipment used. The fill material shall contain sufficient moisture so that if formed into a ball it will not crumble yet not be so wet that water can be squeezed out. The minimum required density shall not be less than 95% of the maximum dry density of a moisture content within +/- 2% of the optimum. Each layer of fill shall be compacted as necessary to obtain that density, and is to be certified by the engineer at the time of construction. All compaction is to be determined by AASHTO Method T-99.

Cut Off Trench - The cutoff trench shall be excavated into impervious material along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be governed by the equipment used for excavation, with the minimum being four feet. The depth shall be at least four feet below existing grade or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill shall be compacted with construction equipment, rollers, or hand tampers to assure maximum density and minimum permeability.

Structure Backfill

Backfill adjacent to pipes or structures shall be of the type and quality specified for the structure. The backfill shall be placed in layers not to exceed four inches in thickness and compacted by hand tampers or other manually directed compaction equipment. The material shall be placed at spaces under and adjacent to the pipe. At no time during the backfilling operation shall equipment be allowed to operate closer than necessary horizontally to any part of a structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe, unless there is a compacted fill of 24" or greater over the structure or pipe.

Pipe Conduits

All pipes shall be circular in cross section.

Corrugated Metal Pipe - All of the following criteria shall apply for corrugated metal pipes:

- Materials - (Steel Pipe) - This pipe and its appurtenances shall be galvanized and fully bituminous coated and shall conform to the requirements of AASHTO Specification M-190 Type A with watertight coupling bands. Any bituminous coating damaged or otherwise removed shall be replaced with cold applied bituminous coating compound. Steel pipes and polymeric coatings shall have a minimum coating thickness of 0.01 inch on both sides of the pipe. The following coatings or an approved equal may be used: Nexon, Plast-Cote, Bitulastic, and Berr-Coat. Coated corrugated steel pipe shall meet the requirements of AASHTO M-245 and M-246.
- Materials - (Aluminum Pipe) - This pipe and its appurtenances shall conform to the requirements of AASHTO Specification M-190 or M-211 with watertight coupling bands or flanges. Aluminum surfaces that are to be in contact with concrete shall be primed with one coat of zinc chromate primer. Hot dip galvanized bolts may be used for connections. The pH of the surrounding soils shall be between 4 and 5.
- Coupling bands, anti-seep collars, and sections, etc., must be composed of the same material as the pipe. Metals must be insulated from dissimilar materials with use of rubber or plastic insulating materials of least 24 mils thickness.
- Connections - All connections with pipes must be completely watertight. The drain pipe or barrel connection to the riser shall be welded or caulked when the pipe and riser are metal. Anti-seep collars shall be connected to the pipe in such a manner as to be completely watertight. Gasket bands are not considered to be watertight.

All connections shall use a rubber or neoprene gasket when joining pipe sections. The end of each pipe shall be encased in adequate number or corrugations to accommodate the band width. The following type connections are acceptable for pipes less than 24" in diameter: flanges on both ends of the pipe, a 12" wide standard top type band with 12" wide by 3/4" thick closed cell circular neoprene gasket and a 12" wide rubber type band with O-ring gaskets having a minimum diameter of 1/2" greater than the corrugation depth. Pipes 24" in diameter and larger shall be connected by a long corrugated band using rods and lugs. A 1/2" wide by 3/4" thick closed cell circular neoprene gasket will be installed on the end of pipe for a total of 2" of gasket.

Helically corrugated pipe shall have either continuously welded seams or have lock seams with internal caulking or a neoprene bead.

- Bedding - The pipe shall be firmly and uniformly bedded throughout its entire length. Where rock or soft, spongy or other unstable material is encountered, all such material shall be removed and replaced with suitable earth compacted to provide adequate support.
- Backfilling shall conform to "Structure Backfill."
- Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

Reinforced Concrete Pipe - All of the following criteria shall apply for reinforced concrete pipe:

- Materials - Reinforced concrete pipe shall have bell and spigot joints with rubber gaskets and shall equal or exceed ASTM Designation C-75.
- Bedding - All reinforced concrete pipe conduits shall be laid in a concrete bedding for the entire length. The bedding shall consist of high slump concrete placed under the pipe and up the sides of the pipe at least 12" outside diameter with a minimum thickness of 3 inches, or as shown on the drawings.
- Laying pipe - Bell and spigot pipe shall be placed with the bell end upstream. Joints shall be made in accordance with recommendations of the manufacturer of the material. After the joints are sealed for the entire length, the bedding shall be placed so that all spaces under the pipe are filled. Care shall be exercised to prevent any deviation from the original line and grade of the pipe. The first joint shall be located within 2 feet from the riser.
- Backfilling shall conform to "Structure Backfill."
- Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

BY THE DEVELOPER

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Sax PK 9/2/99
DEVELOPER DATE

BY THE ENGINEER:

I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Paul C. Ruppel Jr. 9/2/99
ENGINEER DATE

APPROVED
PLANNING BOARD
OF HOWARD COUNTY

DATE JULY 4, 1999

AS BUILT CERTIFICATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James S. Scott 9/23/99
DIRECTOR DATE

Mike Swannum 9/22/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION, DATE

Cindy Hamilton 9/23/99
CHIEF, DIVISION OF LAND DEVELOPMENT, DATE

12/19/00 4 AS-BUILT

5/25/99	1	
DATE	NO.	REVISION

OWNER/DEVELOPER

PLATT & COMPANY, INC.
VILLAGE OF CROSS KEYS
VILLAGE SQUARE I, SUITE 156
BALTIMORE, MARYLAND 21210
Attn: DWIGHT PLATT, JR. PH 410-532-2205

PROJECT:

COLUMBIA TECH CENTER

AREA TAX MAP NO. 42 BLOCK NO. 4
PARCEL/LOT NO. 194 & 401 ZONING: M-1 & NT
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

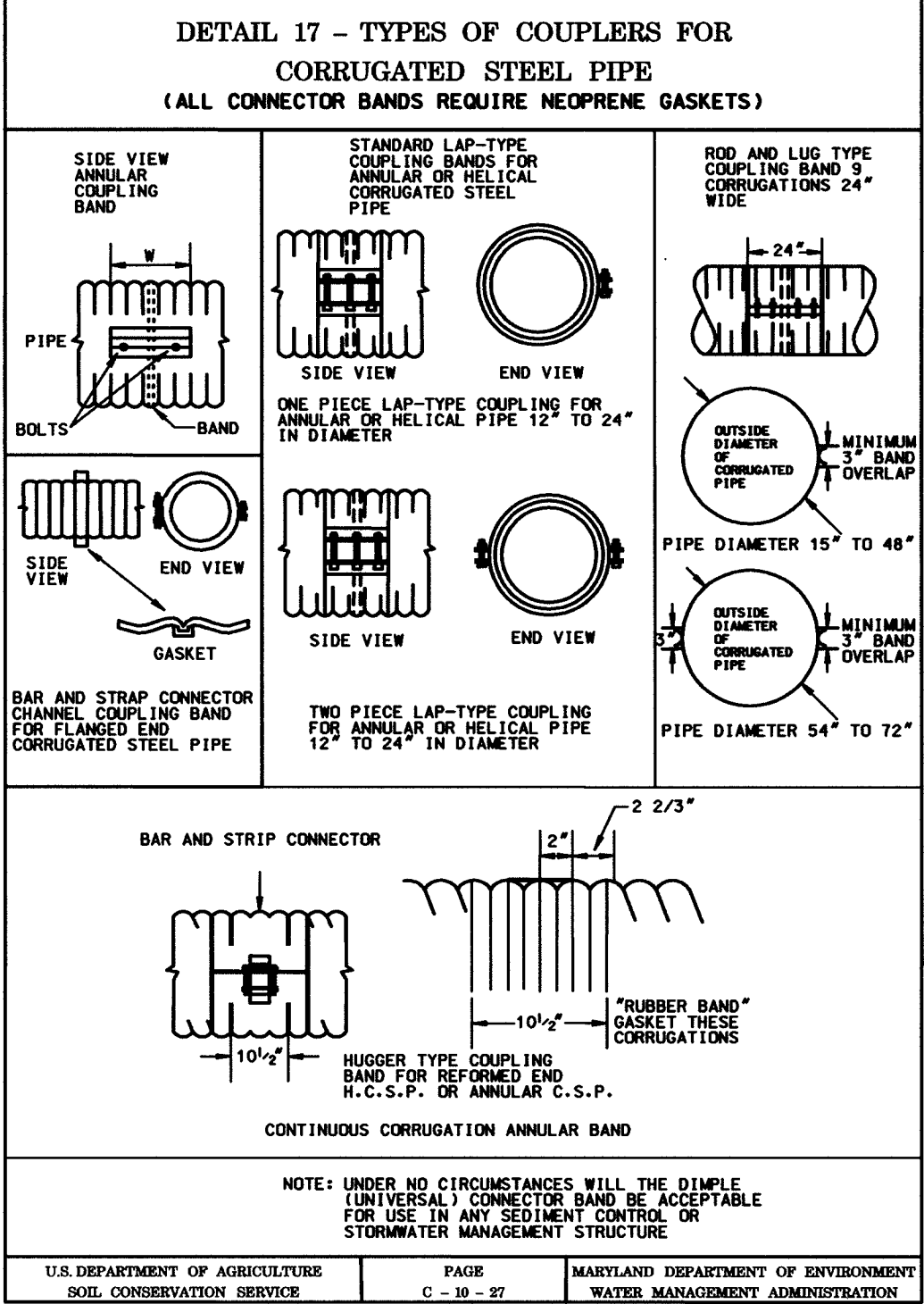
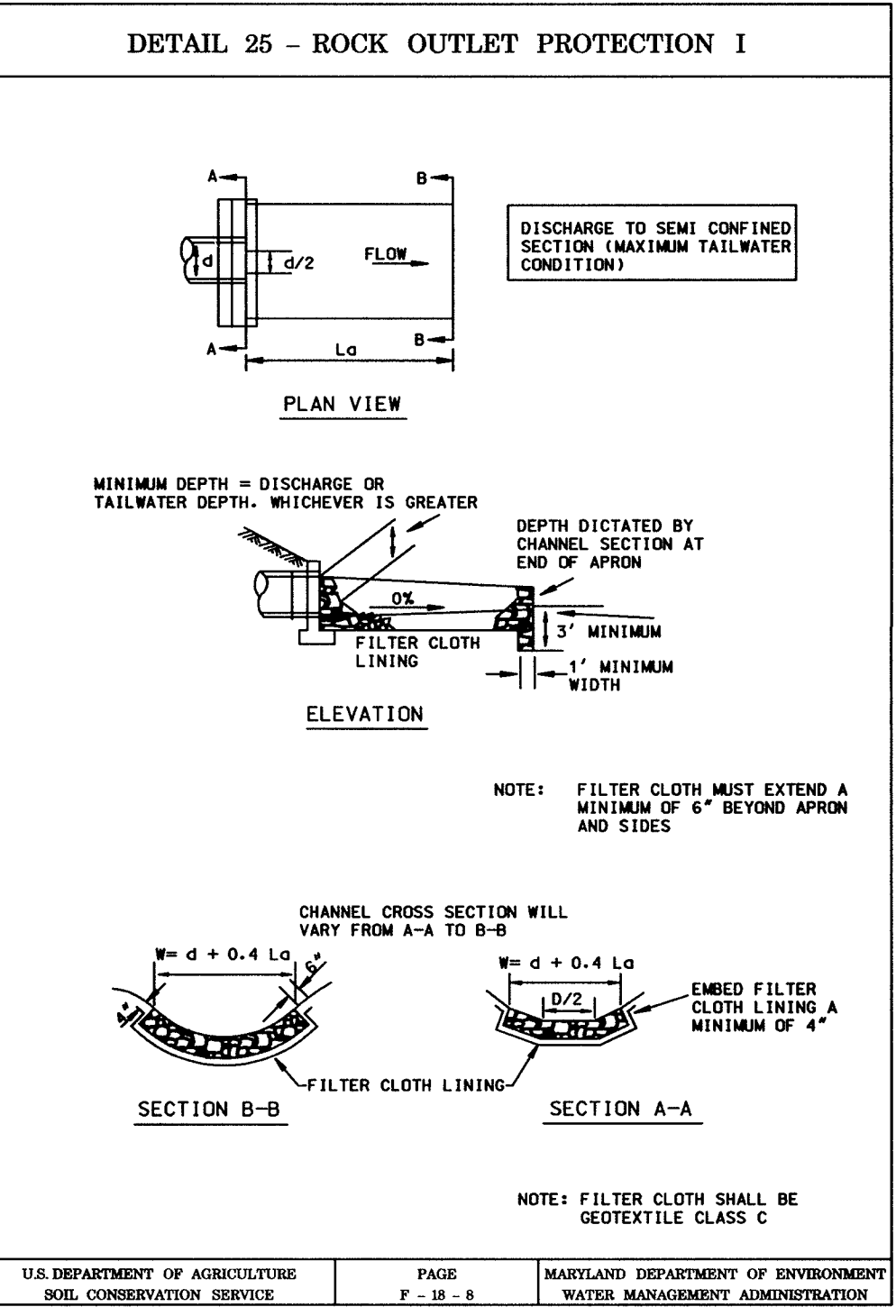
TITLE

STORMWATER MANAGEMENT DETAILS

Purdum and Jeschke, LLC
Consulting Engineers and Land Surveyors Civil/Structural/Environmental
The Professional Engineering Center
8005 Harford Road - Baltimore, Maryland 21234
Phone: 410-668-8800 - Fax: 410-668-8801

9/2/99
DATE

CHECKED BY: PCR
DESIGNED BY: PCR
DRAWN BY: JLP
PROJECT NO.: 99-003
DATE: 4/19/99
SCALE: AS SHOWN
DRAWING NO. 6 OF 11



PERMITS INFORMATION CHART

SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL
VILLAGE OF OWEN DROWN	SECTION 2/ AREA 3	336 & 194
PLAT OR L/F	BLOCK	ZONING
139/17	6	M-1 & NT
TAX/ZONING MAP	ELECTION DIST	CENSUS TRACT
6	6	6067.03
WATER CODE	SEWER CODE	
B-06	5202000	

4.0 Installation Procedures

4.1 Concrete Stormceptor Installation

The installation of the concrete Stormceptor should conform to the specifications of the manufacturer. The construction details are summarized in the following sections.

Excavation
Excavation for the installation of the Stormceptor should be done in accordance with the specifications of the manufacturer. The excavation should be done in a rectangular area and should be deep enough to allow for the installation of the Stormceptor and for the placement of the base slab.

The Stormceptor should not be installed on frozen ground. Excavation should extend to a depth of 12 inches below the base of the Stormceptor. The bottom of the excavation and the sides should be smooth and free of any obstructions. The maximum depth of excavation should not exceed 4 feet.

In areas with a high water table, continuous dewatering should be used to ensure that the excavation is stable and free of water.

Backfill material should be a granular type, approved for use in contact with the Stormceptor. Backfill material should be placed in layers, each layer should be compacted to 95% of the maximum dry density.

Stormceptor Construction Sequence
The concrete Stormceptor is installed in sections in the following sequence:

1. base slab
2. treatment chamber section(s)
3. riser pipe
4. inlet pipe
5. manhole
6. outlet pipe
7. frame and access cover

The precast base should be placed level at the specified grade. The entire base should be in contact with the backfill. The concrete Stormceptor should be installed in accordance with the process of the concrete manufacturer.

Adjustment of the Stormceptor can be performed by lifting the cover sections of the excavated area. Leveling and grading of the area should be done after the Stormceptor has been constructed. The inlet holes should be plugged with mortar.

Down Pipe and Riser Pipe
Once the by-pass section has been attached to the treatment chamber, the down pipe and riser pipe should be installed in accordance with the specifications of the manufacturer.

The inlet pipe (pipe with the tee at the end) is installed by PVC cement and pushing the pipe into the coupling. The outlet pipe is installed by pushing the pipe into the coupling. The inlet and outlet pipes should be secured to the Stormceptor.

The outlet riser pipe (straight pipe without the tee) is installed in a similar fashion using the by-pass section near the downstream pipe.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

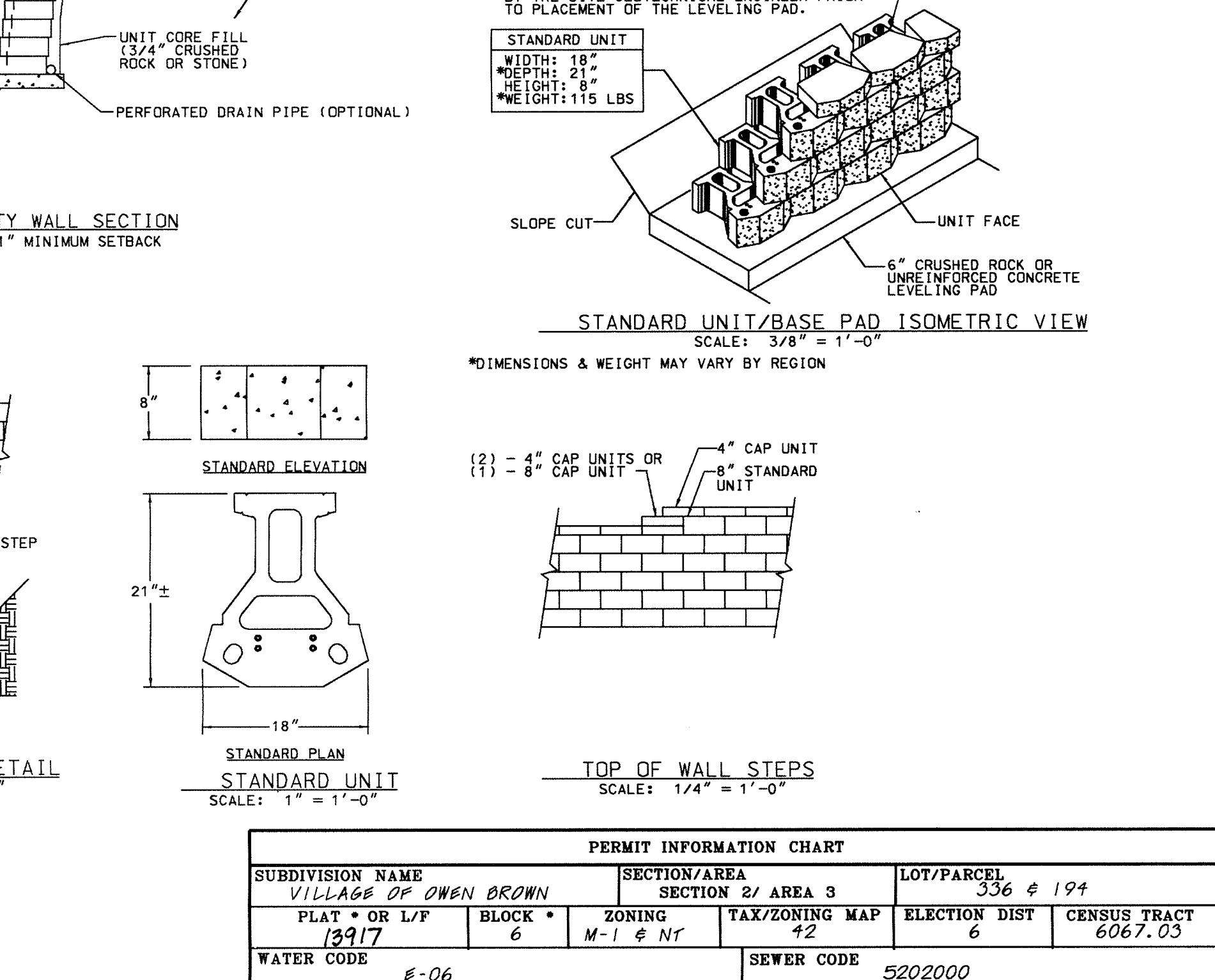
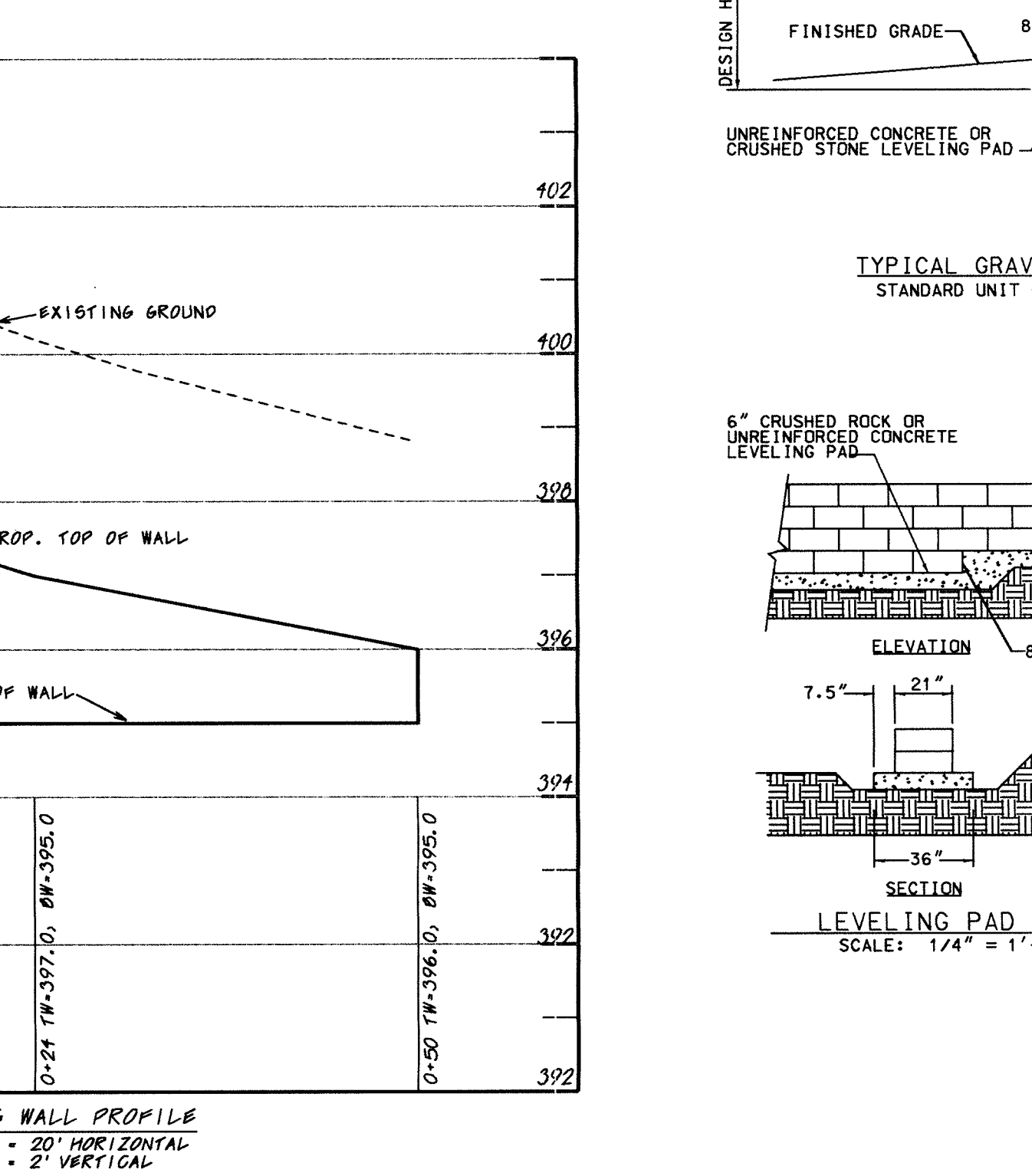
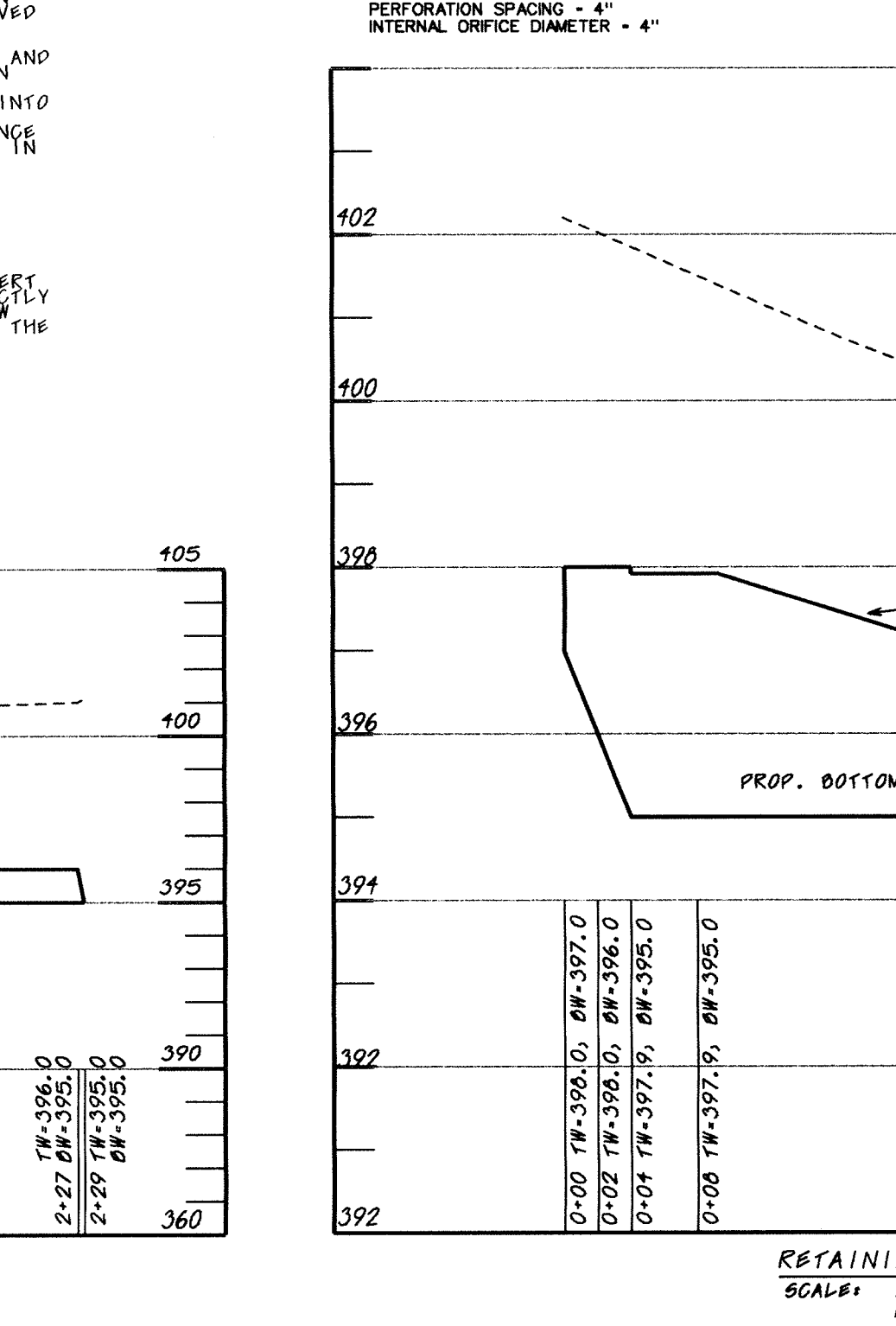
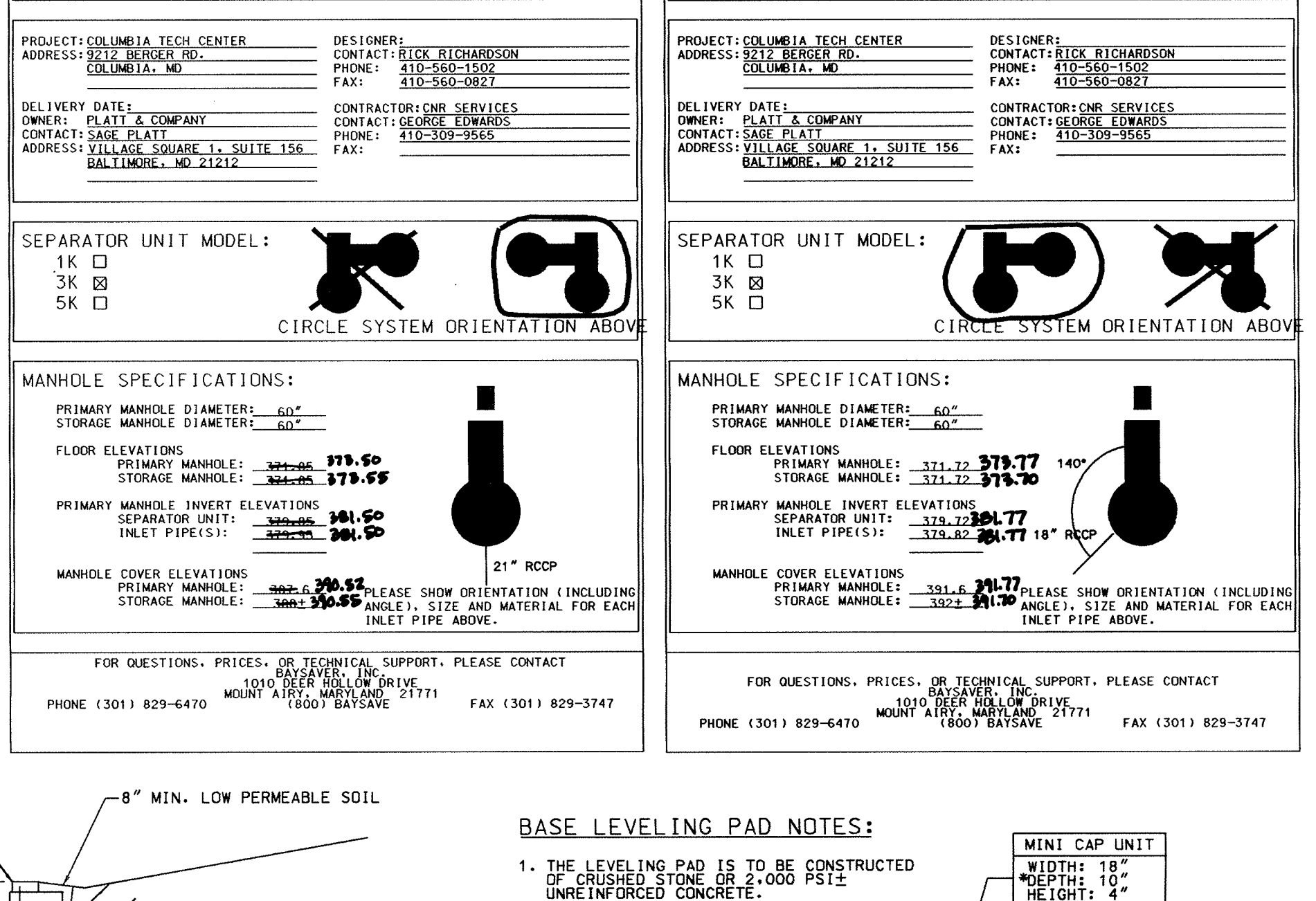
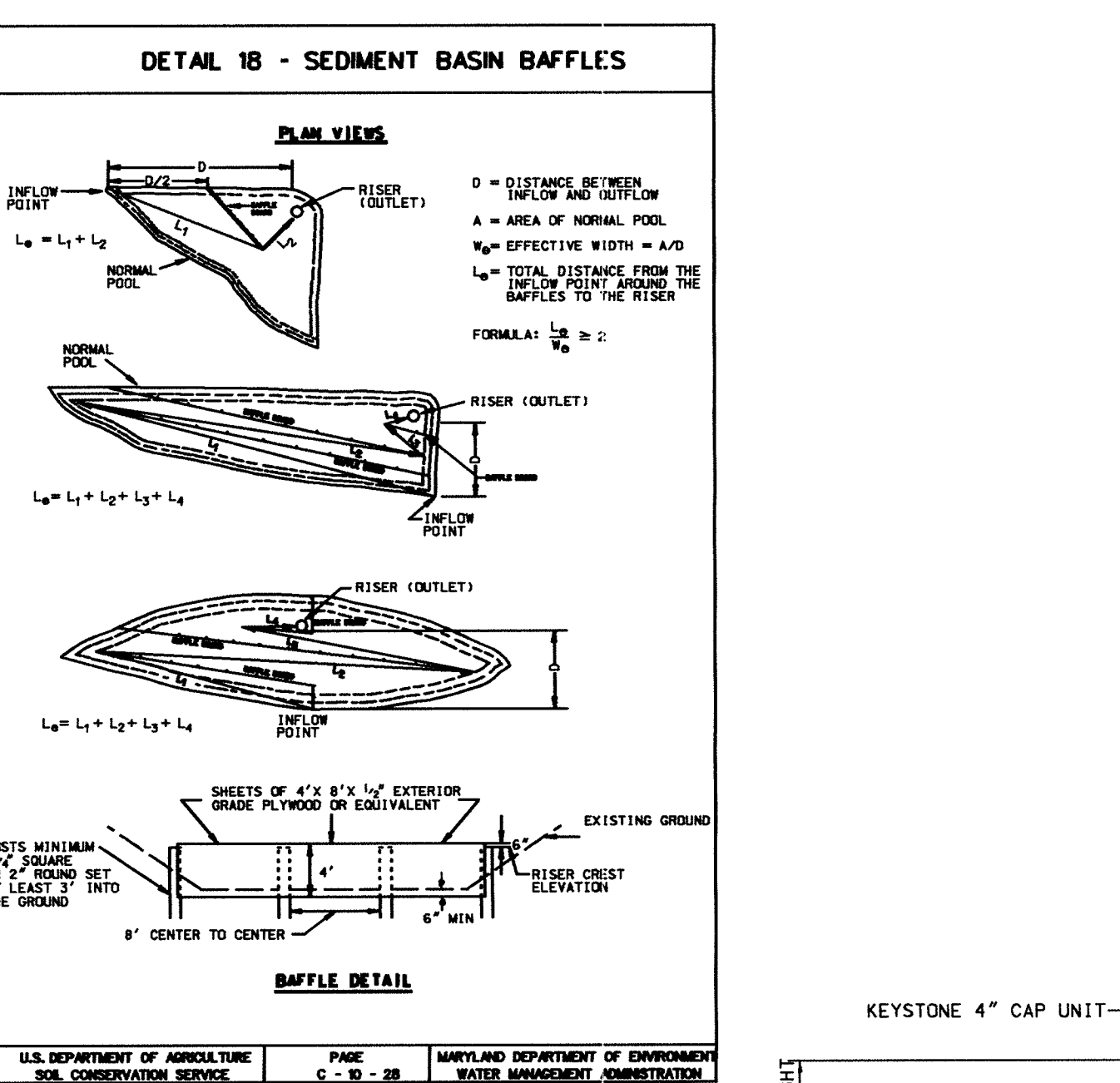
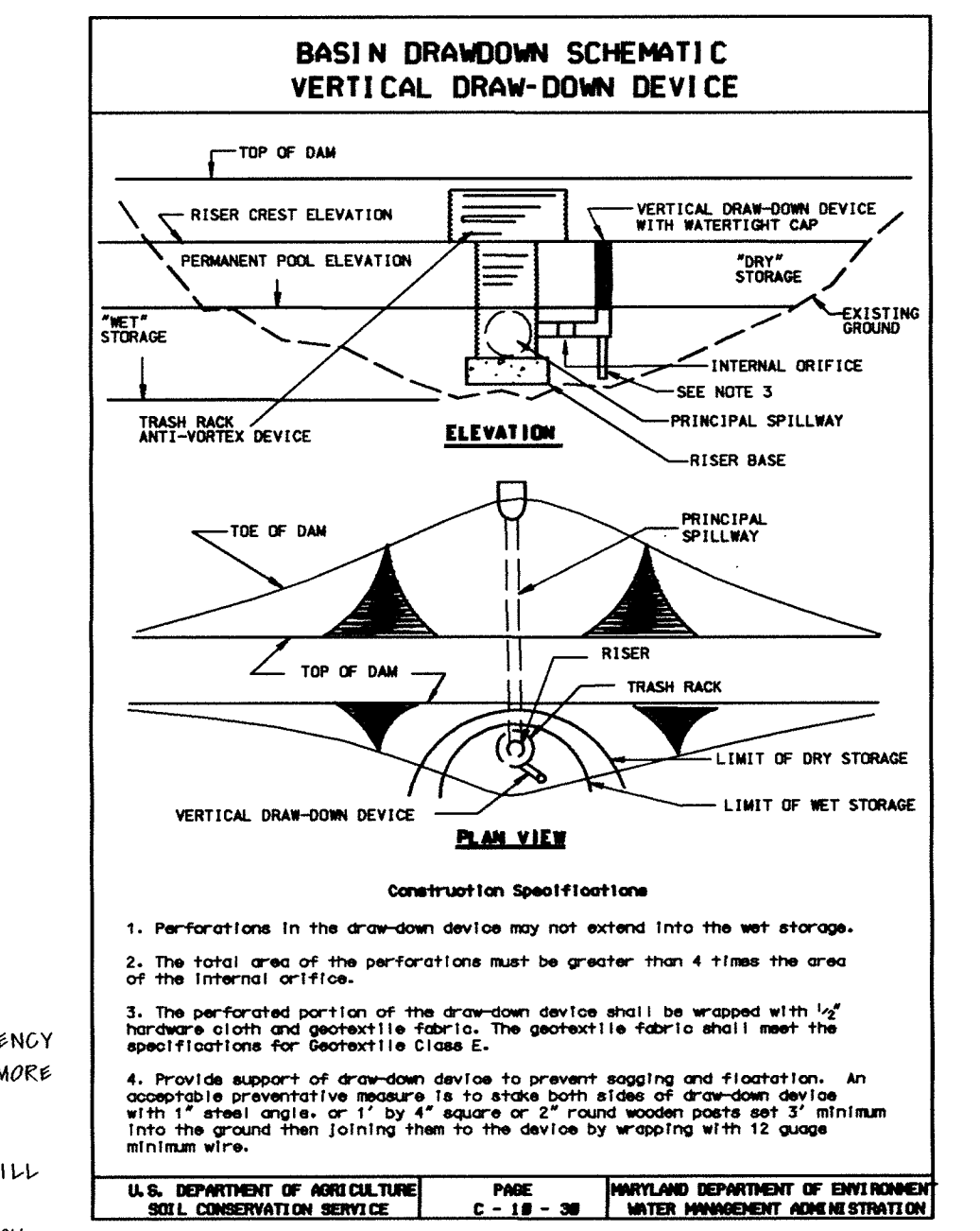
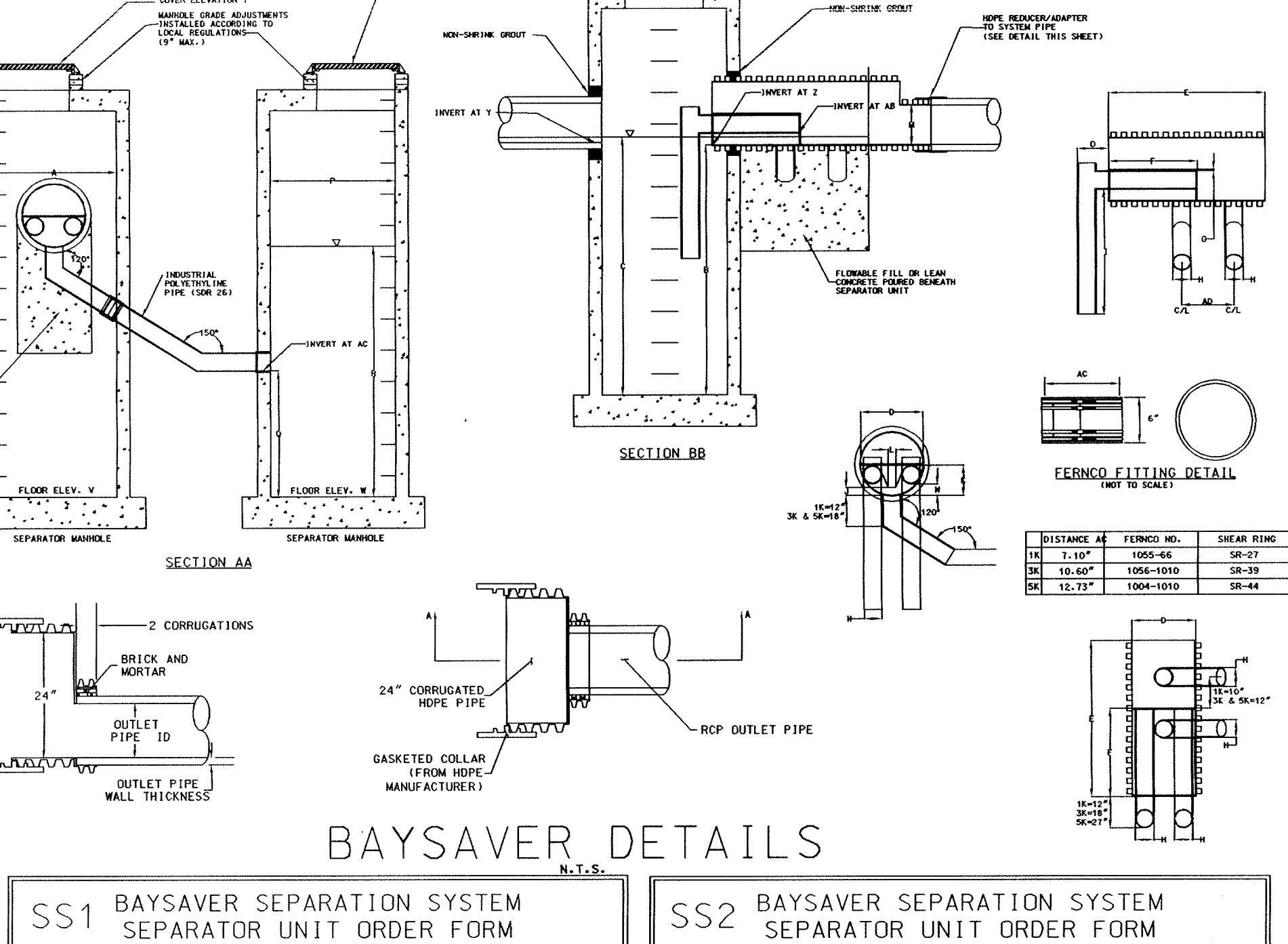
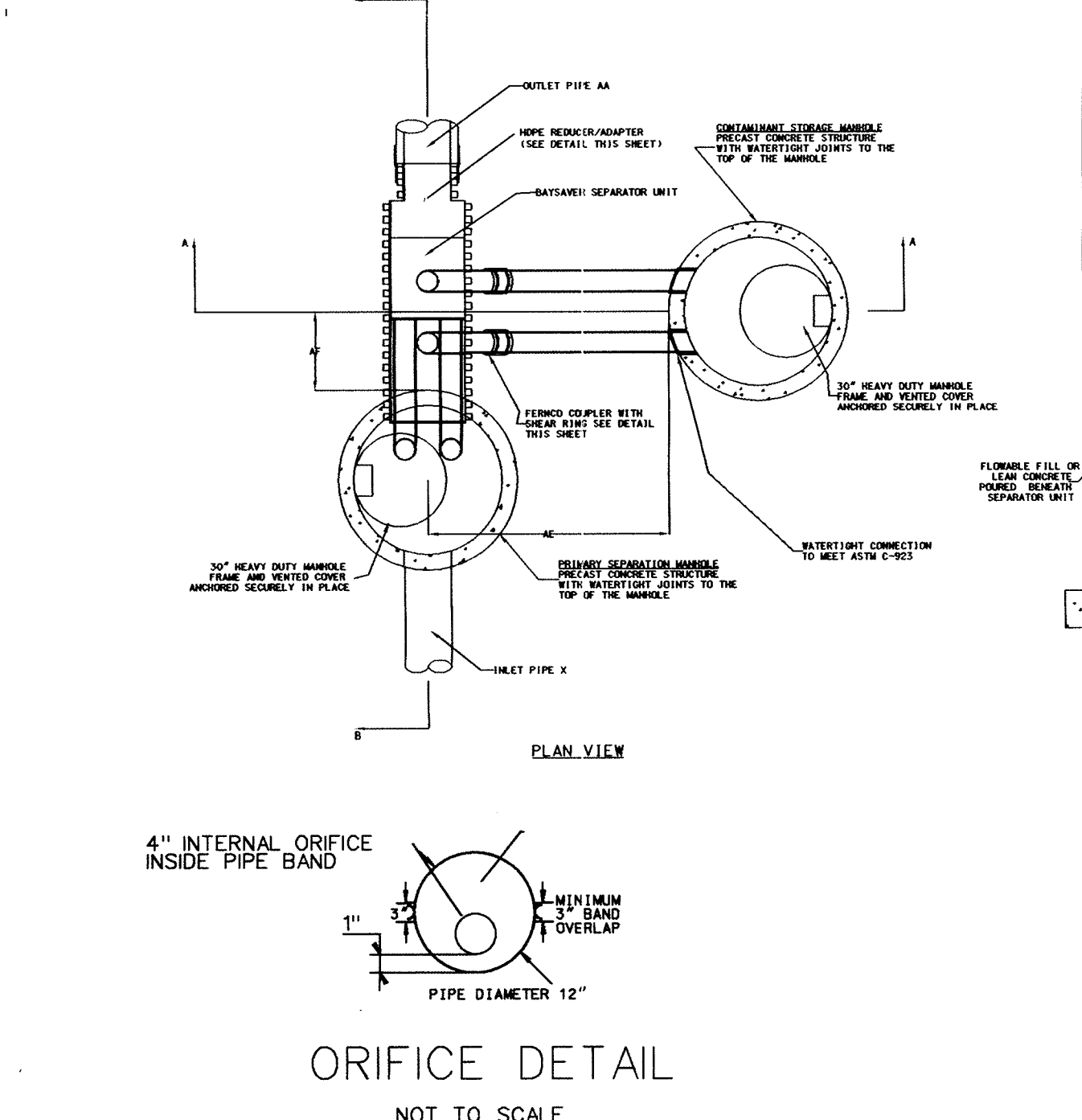
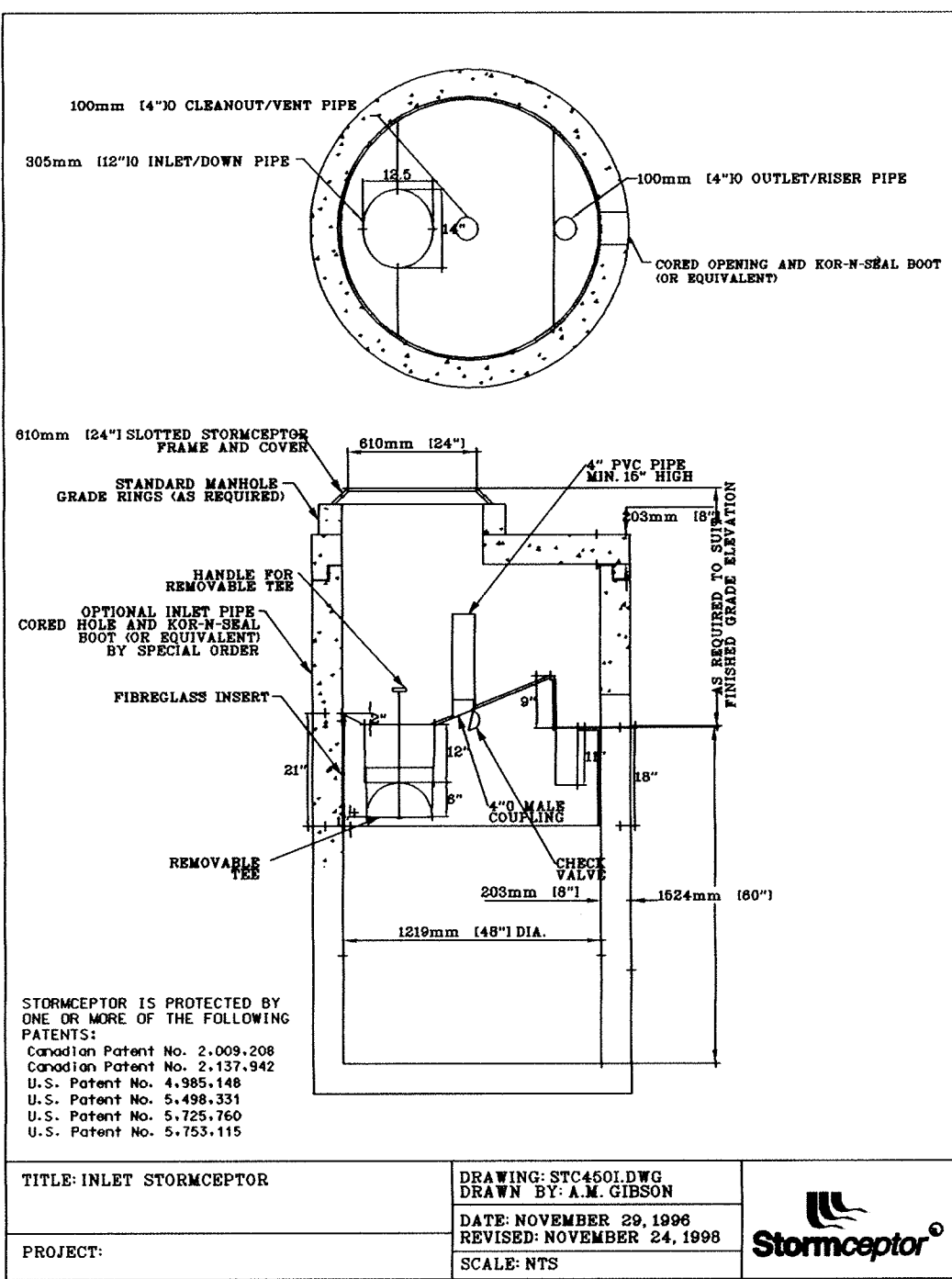
The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.

The inlet riser pipe (straight pipe with the tee at the end) is installed by pushing the pipe into the coupling. The inlet riser pipe should be secured to the Stormceptor.



BY THE DEVELOPER
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

San Pts 11/24/99
DEVELOPER DATE

BY THE ENGINEER:
I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Paul C. Richards 11/24/99
ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Cheryl Simms/As 12/2/99
U.S. SOIL CONSERVATION SERVICE DATE
Paul C. Richards 11/24/99
HOWARD SOIL CONSERVATION DISTRICT DATE

AS BUILT CERTIFICATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Paul C. Richards 12/13/99
DIRECTOR DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Cheryl Simms/As 12/16/99
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

12/19/00	4	AS-BUILT
11/8/99	3	BAYSAYER SUBSTITUTED FOR STORMCEPTOR
5/25/99	1	
6/25/99	2	
DATE	NO.	REVISION

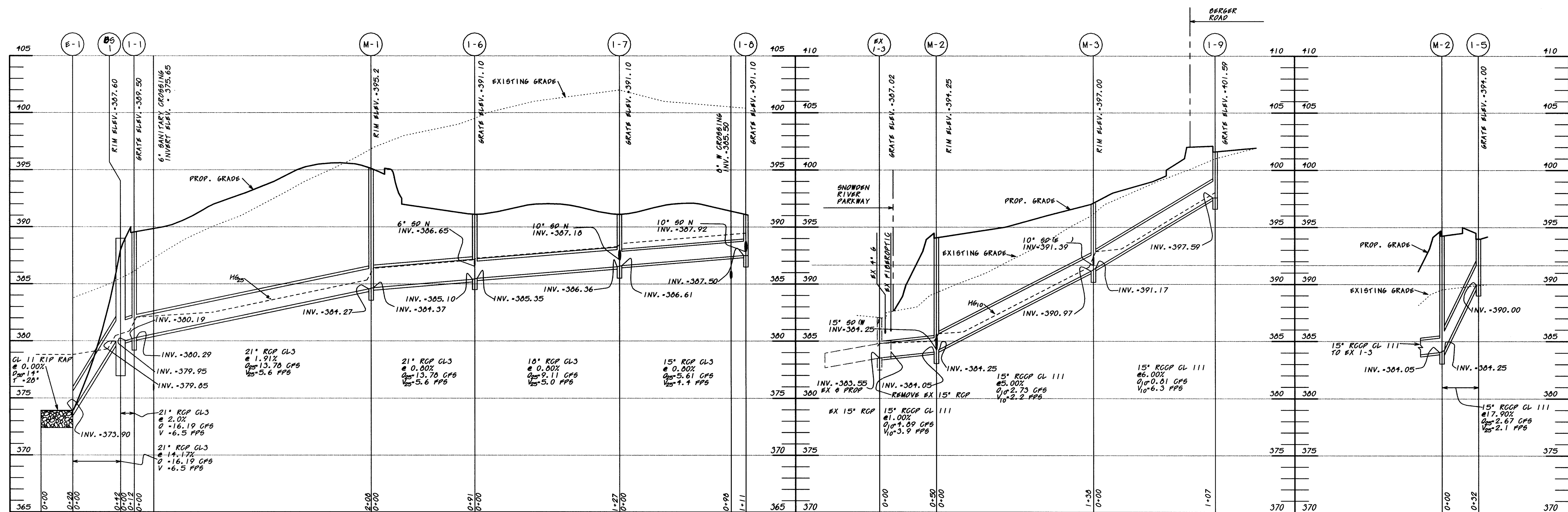
OWNER/DEVELOPER
PLATT & COMPANY, INC.
VILLAGE OF CROSS KEYS
VILLAGE SQUARE 1, SUITE 156
BALTIMORE, MARYLAND 21210
Attn: DWIGHT PLATT, JR. PH 410-532-2205

PROJECT: AMENDED SITE DEVELOPMENT PLAN (AS OF 11/23/99)
COLUMBIA TECH CENTER

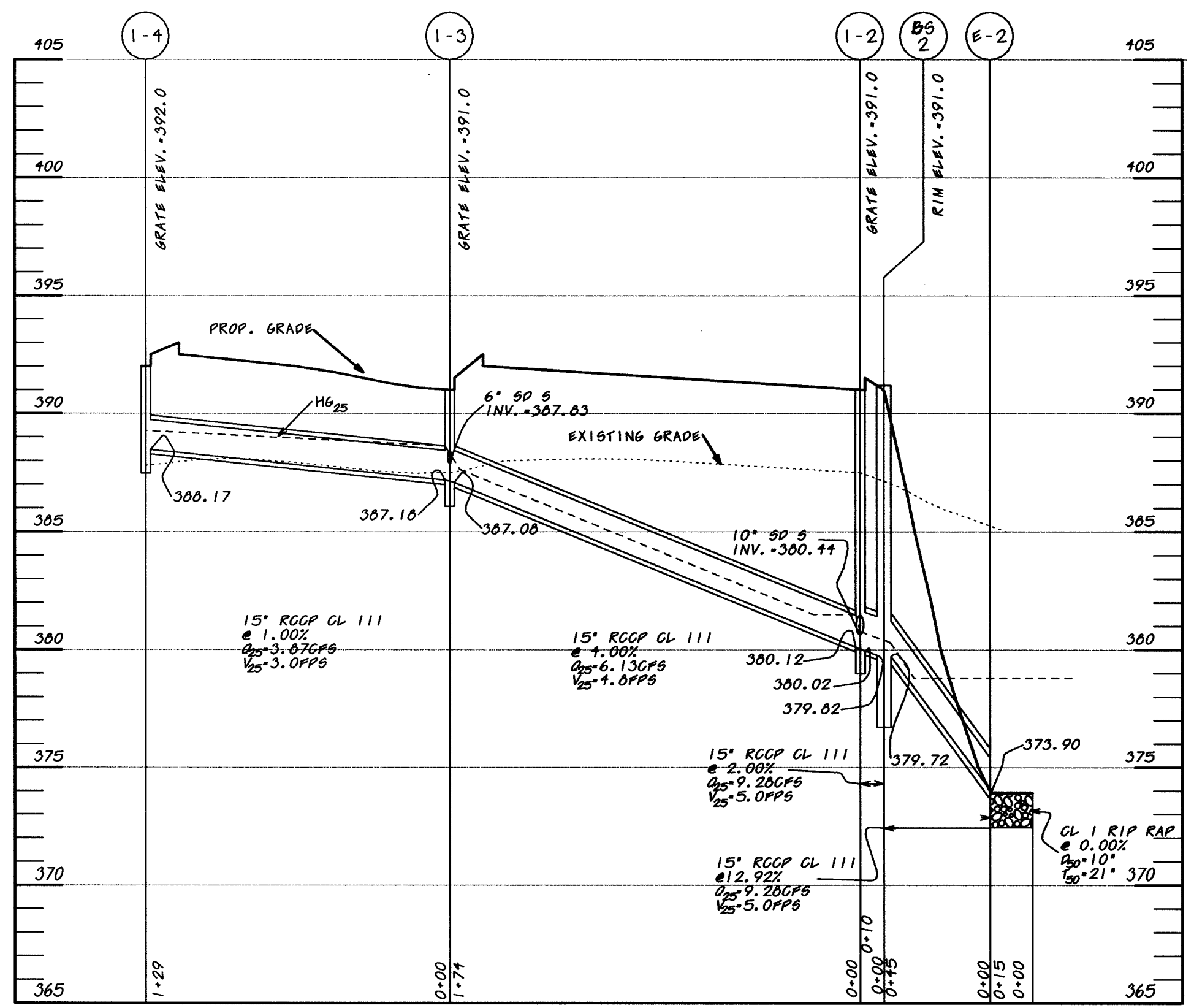
TITLE (THIS SHEET SUPERCEDES PREVIOUS PLAN SHEET)
STORM, SEDIMENT AND SITE DETAILS

PURDUM and JESCHKE, LLC
Consulting Engineers and Land Surveyors Civil Structural Environmental
The Professional Engineering Center
8005 Harford Road - Baltimore, Maryland 21284
Phone: 410-668-8800 - Fax: 410-668-8801

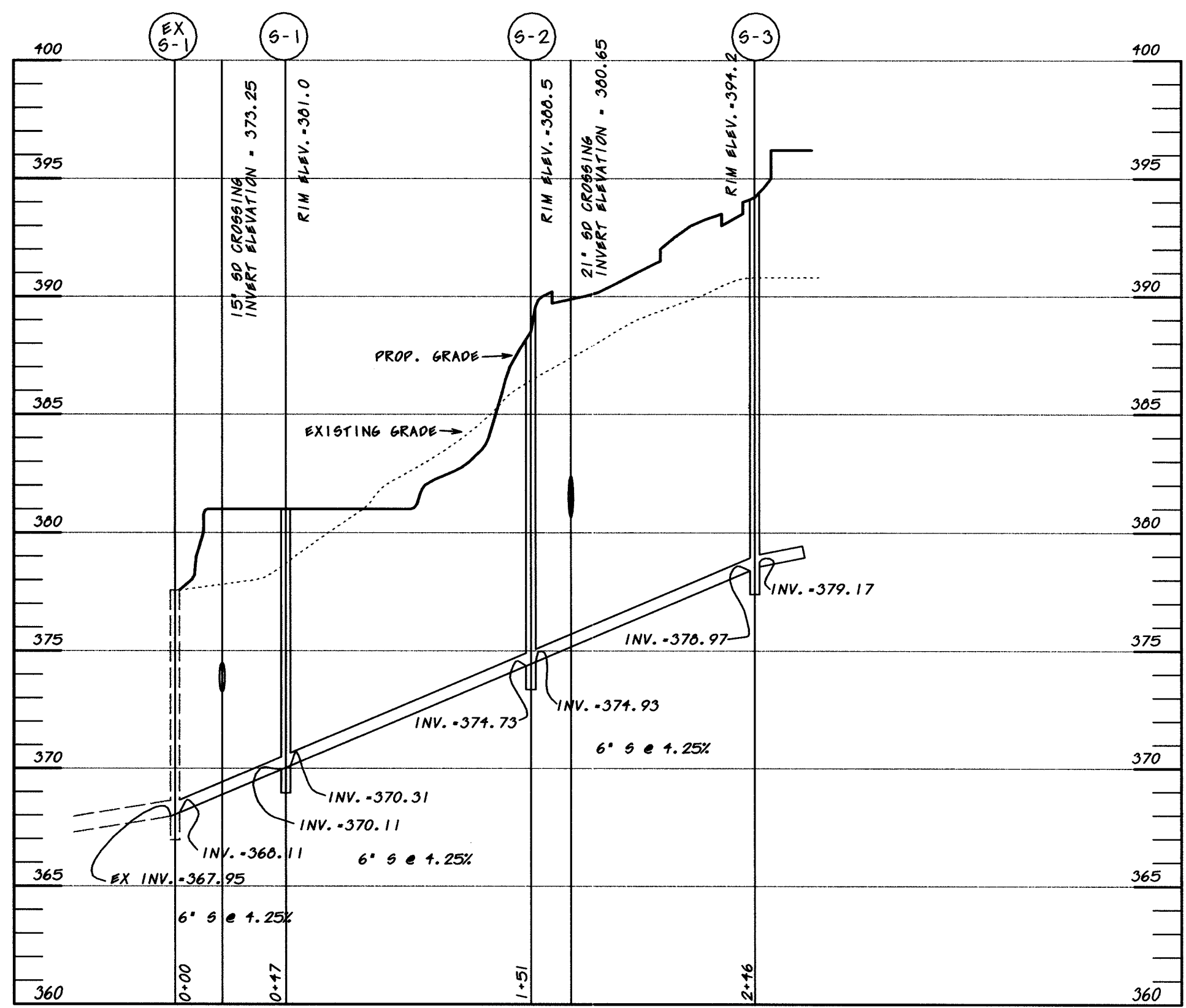
11/24/99 DATE
CHECKED BY: PCR
DESIGNED BY: PCR
DRAWN BY: JLP
PROJECT NO.: 99-003
DATE: 4/19/99
SCALE: AS SHOWN
DRAWING NO. 7 OF 11



STORM DRAIN PROFILES
SCALE: 1" = 50' H
1" = 5' V



STORM DRAIN PROFILE
SCALE: 1" = 50' H
1" = 5' V



SANITARY SEWER PROFILE
SCALE: 1" = 50' H
1" = 5' V

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE July 1, 1999

STORM DRAIN STRUCTURAL SCHEDULE					
NO.	INV. IN	INV. OUT	TOP ELEV.	DESCRIPTION	DETAIL NO.'S
I-1	380.29	380.19	389.50	PRECAST WR INLET	SD 4.38
I-2	380.12	380.02	391.00	PRECAST WR INLET	SD 4.38
I-3	387.18	387.08	391.00	PRECAST WR INLET	SD 4.38
I-4	—	388.17	392.00	PRECAST WR INLET	SD 4.38
I-5	—	390.00	394.00	INLET STORMCEPTOR	STC 4501
I-6	386.65 (16") 385.35 (21")	385.10	391.10	DBL 'S' INLET	SD 4.23
I-7	387.18 (18") 386.61 (18")	386.36	391.10	DBL 'S' INLET	SD 4.23
I-8	387.92 (18")	387.50	391.10	DBL 'S' INLET	SD 4.23
I-9	—	397.59	401.59	PRECAST WR INLET	SD 4.38
M-1	384.37	384.27	395.20	48" MH	G 5.12
M-2	384.25 (15") 384.25 (15")	384.05	394.25	48" MH	G 5.12
M-3	391.17 (15") 391.39 (18")	390.97	397.00	48" MH	G 5.12
M-4	392.10	392.00	395.30	SHALLOW MH	G 5.05
M-5	386.20	386.00	393.90	48" MH	G 5.12
BS-1	379.95	379.85	387.60	BAYSAYER	3K SEPARATOR
BS-2	379.82	379.72	391.00	BAYSAYER	3K SEPARATOR
E-1	—	373.50	—	END SECTION	SD 5.51
E-2	—	373.50	—	END SECTION	SD 5.51

SANITARY SEWER STRUCTURAL SCHEDULE					
NO.	INV. IN	INV. OUT	TOP ELEV.	DESCRIPTION	NO. CO. STD. DETAIL NO.'S
S-1	370.21	370.11	381.0	48" MH	G 5.11
S-2	374.73	374.93	386.5	48" MH	G 5.11
S-3	376.97	379.17	394.2	48" MH	G 5.11

PERMIT INFORMATION CHART					
SUBDIVISION NAME VILLAGE OF OWEN BROWN		SECTION/AREA SECTION 2/ AREA 3		LOT/PARCEL 336 & 194	
PLAT OR L/F 13917	BLOCK 6	ZONING M-1 & NT	TAX/ZONING MAP 42	ELECTION DIST 6	CENSUS TRACT 6067.03
WATER CODE E-06			SEWER CODE 5202000		

BY THE DEVELOPER
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.
San PHS 9/2/99
DEVELOPER DATE

BY THE ENGINEER:
I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
Paul C. Kelly 9/2/99
ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
Cheryl Simms / cas 9/15/99
U.S. SOIL CONSERVATION SERVICE DATE
NATURAL RESOURCES
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Shelley M. Kelly 9/15/99
HOWARD SOIL CONSERVATION DISTRICT DATE
AS BUILT CERTIFICATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
David R. Smith 9/23/99
DIRECTOR DATE
John J. Simms 9/22/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Carole Hamilton 9/23/99
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION
5/25/99	1	
11/8/99	2	BAYSAYER

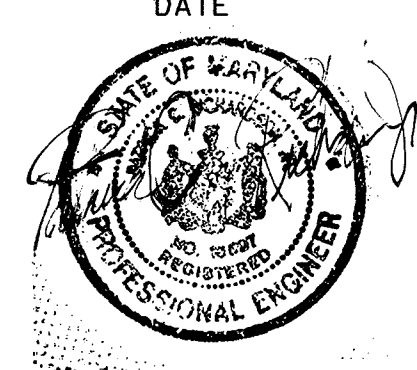
OWNER/DEVELOPER
PLATT & COMPANY, INC.
VILLAGE OF CROSS KEYS
VILLAGE SQUARE, SUITE 156
BALTIMORE, MARYLAND 21210
Attn: DWIGHT PLATT, JR. PH 410-532-2205

PROJECT:
COLUMBIA TECH CENTER
AREA TAX MAP NO. 42 BLOCK NO. 4
PARCEL/LOT NO.: 194 & 401 ZONING: M-1 & NT
6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE
STORM DRAIN & SANITARY PROFILES

PURDUM and JESCHKE, LLC
Consulting Engineers and Land Surveyors Civil • Structural • Environmental
The Professional Engineering Center
8005 Hartford Road - Baltimore, Maryland 21234
Phone: 410-668-8800 - Fax: 410-668-8801

9/2/99
DATE
CHECKED BY: PCR
DESIGNED BY: PCR
DRAWN BY: JLP
PROJECT NO.: 99-003
DATE: 4/19/99
SCALE: AS SHOWN
DRAWING NO. 9 OF 11



**SCHEDULE A
PERIMETER LANDSCAPE EDGE**

CATEGORY	ADJACENT TO ROADWAYS	
	E	D
LANDSCAPE TYPE		
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	1213'	415'
CREDIT FOR EXISTING VEGETATION (YES NO, LINEAR FEET)	0	0
CREDIT FOR WALL FENCE OR BERM (YES NO, LINEAR FEET)	0	0
NUMBER OF PLANTS REQUIRED	31	7
SHADE TREES	0	42
EVERGREEN TREES	304	0
SHRUBS		
NUMBER OF PLANTS PROVIDED	35	17
SHADE TREES		
EVERGREEN TREES	9	17
OTHER TREES (2:1 SUBSTITUTION)	206	50
SHRUBS (10:1 SUBSTITUTION)		

**SCHEDULE D
STORMWATER MANAGEMENT AREA LANDSCAPING**

LINEAR FEET OF PERIMETER	754'
NUMBER OF TREES REQUIRED	16
SHADE TREES	19
OTHER TREES (2:1 SUBSTITUTION)	
CREDIT FOR EXISTING VEGETATION (NO, YES %)	0
CREDIT FOR OTHER LANDSCAPING (NO, YES %)	0
NUMBER OF PLANTS PROVIDED	16
SHADE TREES	19
EVERGREEN TREES	
OTHER TREES (2:1 SUBSTITUTION)	0

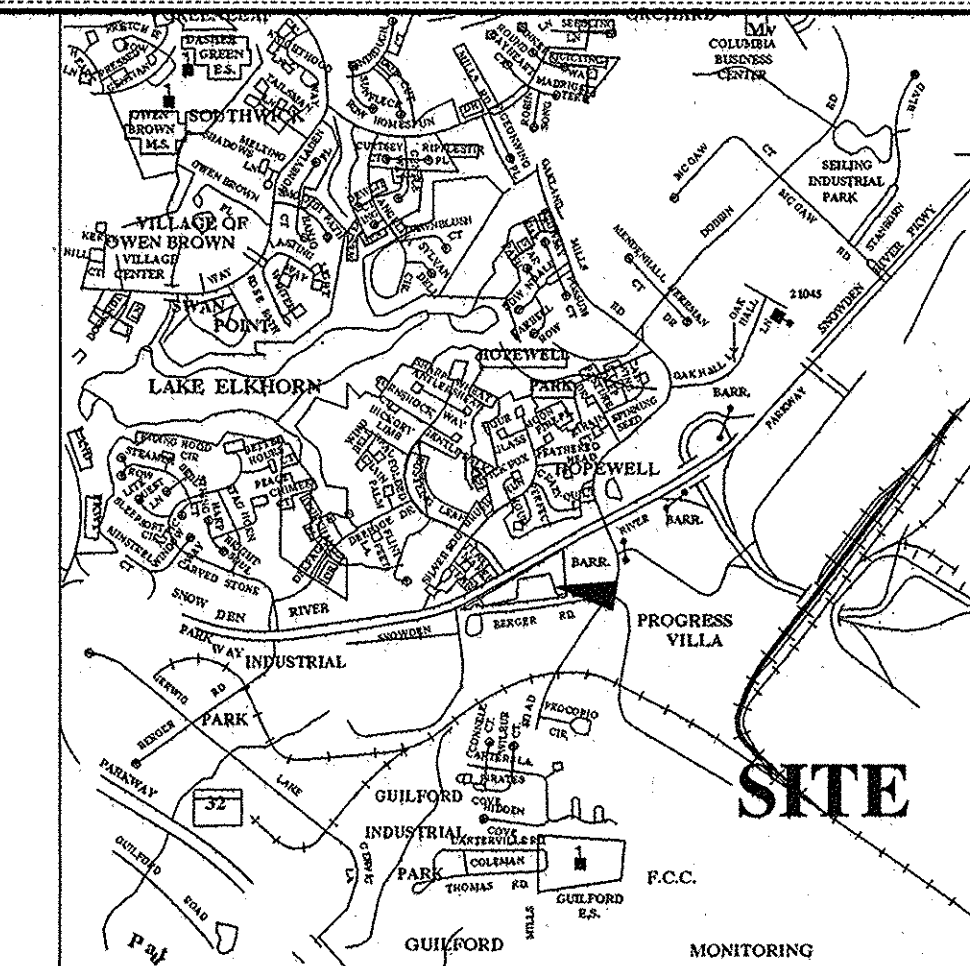
* SWM perimeter area includes required 20 foot setback area

Plant List for Buffer Plantings

Quan	Trees				
56	OGM	Acer rubrum 'October Glory'	Common Red Maple	2 1/2 - 3" Cal., 12-14' Hgt.	B&B
36	QPA	Quercus palustris	Pin Oak	2 1/2 - 3" Cal., 12-14' Hgt.	B&B
32	WP	Pinus strobus	White Pine	6-7' Hgt.	B&B
13	NS	Picea abies	Norway Spruce	6-8' Hgt. (not sheared)	B&B
Shrubs					
53	EAC	Euonymus Alatus Compacta	Dwarf Winged Euonymus	24-30" Hgt., (3' oc/ #3 cont.)	Full
124	INK-C	Ilex Glabra 'Compacta'	Compact Inkberry	24-30" Hgt., (3' oc/ #3 cont.)	Full
75	AB	Abelia grandiflora	Glossy Abelia	24-30" Hgt., (3' oc/ #3 cont.)	Full
4	VC	Viburnum carlesii	Koreanspice Viburnum	30-36" Hgt., (3' oc/ #3 cont.)	Full

Plant List for Ornamental Plantings

Quan	Trees				
7	LL	Tilia cordata 'Green Spire'	Greenspire Littleleaf Linden	2 1/2 - 3" Cal., 12-14' Hgt.	B&B
26	AMC	Amelanchier canadensis	Downy Shadblow	8-10' Hgt., multi-stemmed (3-5)	B&B
Shrubs					
14	JCS	Juniperus chinensis 'Sargentii'	Sargent's Juniper	18-24" Spd., (3' oc/ #3 cont.)	Full
8	AZG	Rhododendron 'gabel hybrids'	Girards Rose Azalea	18-24" Spd., (3' oc/ #3 cont.)	Full
9	VRA	Viburnum rhytidophyloids 'Allegany'	Alleghany Viburnum	42-48" Hgt., (3' oc/ #3 cont.)	Full
35	JHP	Juniperus horizontalis plumosa	Andorra Juniper	18-24" Spd., (3' oc/ #3 cont.)	Full
5	TBR	Taxus baccata repandens	Weeping English Yew	24-30" Spd., (3' oc/ #3 cont.)	Full
Perennials					
80 sq.ft		Mixed Perennials			
Groundcover					
1465	SJW	Hypericum calycinum	St. John's Wort	2 qt. cont.	



VICINITY MAP

SCALE: 1"=2000'

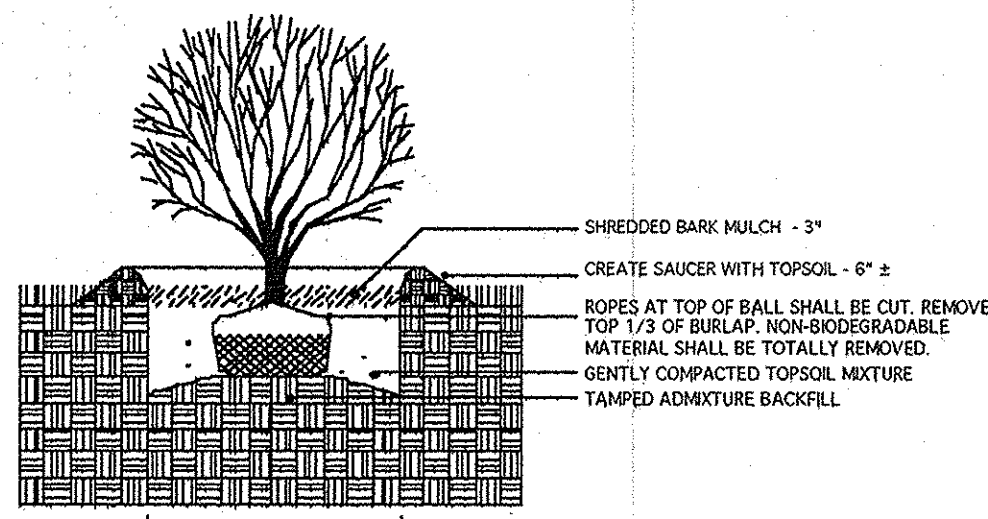
BENCH MARK: HOWARD COUNTY GEODETIC CONTROL

STA. 42CA NORTH 551695.723
EAST 1362506.439
ELEV.=377.147'
STA. 361B NORTH 553348.642
EAST 1364085.211
ELEV.=386.377'

**SCHEDULE B
PARKING LOT INTERNAL LANDSCAPING**

NUMBER OF VISITOR PARKING SPACES	226
NUMBER OF TREES REQUIRED	12
NUMBER OF TREES PROVIDED	24
SHADE TREES (2:1 SUBSTITUTION)	0

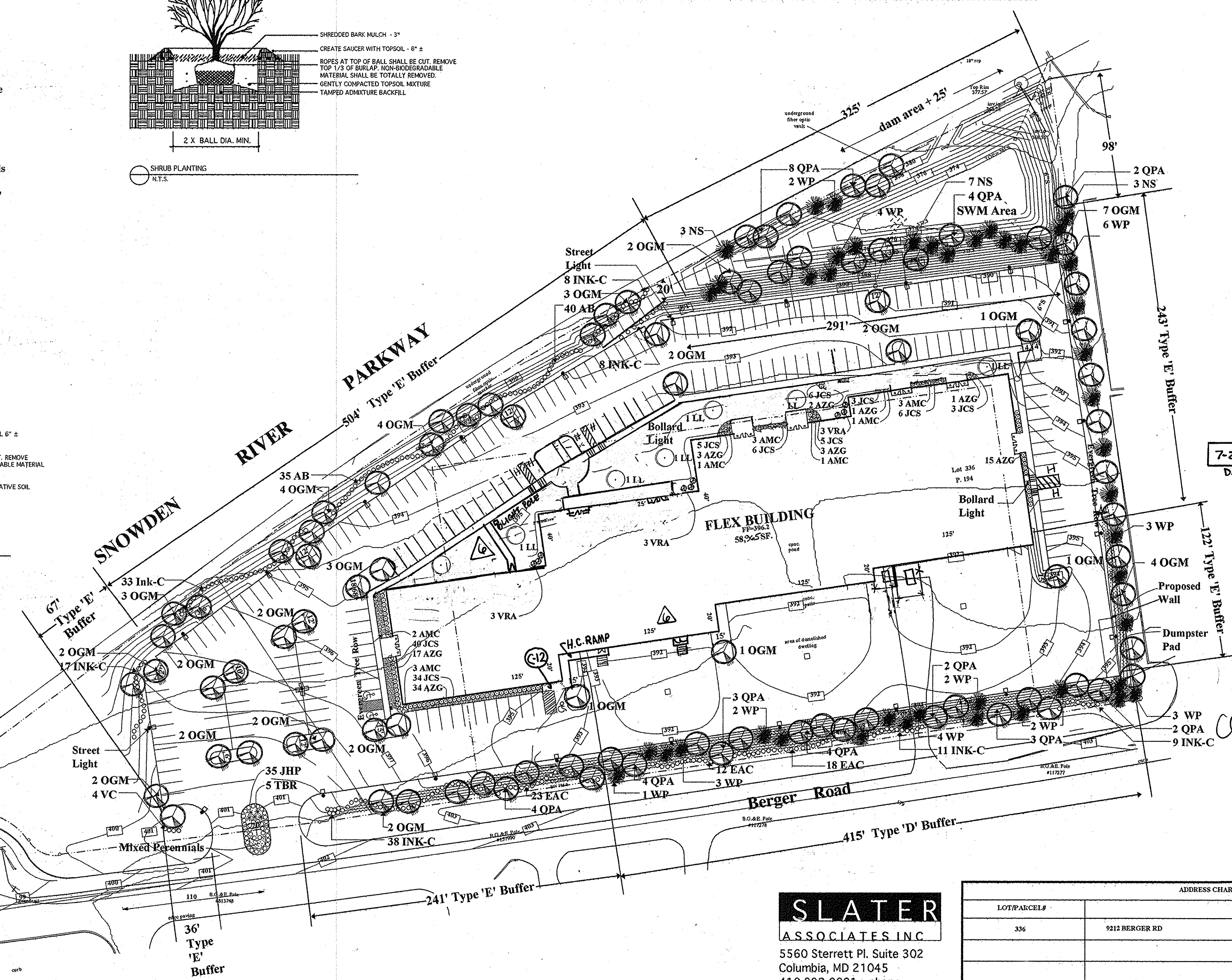
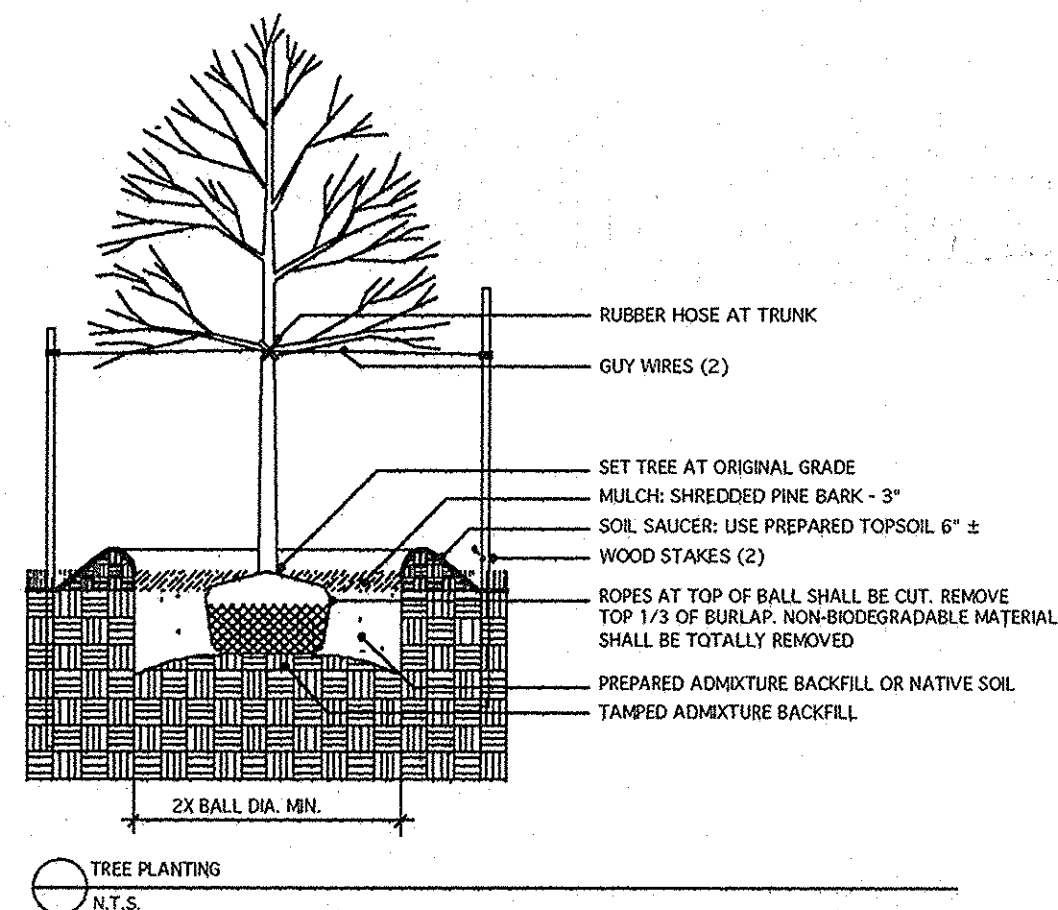
Note: All parking islands shall be a minimum 12' in width and 200 square feet in area.



This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and the Landscape Manual.

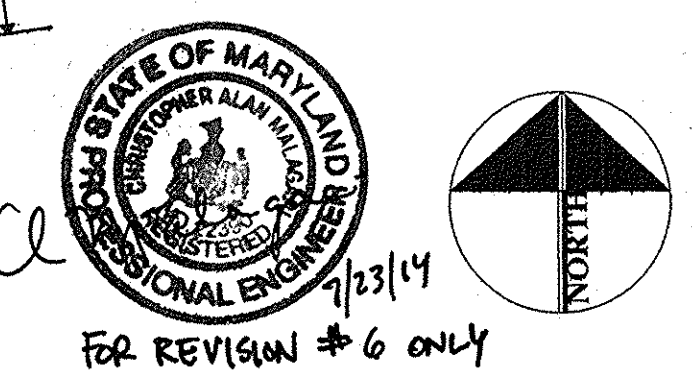
Financial surety for the required landscaping has been posted as part of the DPW Developer's Agreement in the amount of \$42,330.00. This surety is based on 93 shade trees at \$300.00 each, 45 evergreen trees at \$150.00 each and 256 shrubs at \$30.00 each.

The owner, tenant, and/or their agents shall be responsible for the maintenance of the required landscaping, including both plant materials and berms, fences and walls. All plant materials shall be maintained in good growing condition, and when necessary, replaced with new materials to ensure continued compliance with applicable regulations. All other required landscaping shall be permanently maintained in good condition, and when necessary, repaired or replaced.



7-23-14 6 ADD SIDEWALK, FIX DOOR LOCATIONS
DATE NO. REVISION

**APPROVED
PLANNING BOARD
OF HOWARD COUNTY**
DATE July 1, 1999



FOR REVISION # 6 ONLY

SCALE 1" = 50' FEET

**SLATER
ASSOCIATES INC**
5560 Sterrett Pl. Suite 302
Columbia, MD 21045
410.992.0001 - phone
410.992.0212 - fax
slaterj@erols.com

ADDRESS CHART					
LOT/PARCEL#	STREET ADDRESS				
336	9212 BERGER RD				
PERMIT INFORMATION CHART					
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL			
VILLAGE OF OWEN BROWN	SECTION 2/ AREA 3	336 & 194			
PLAT # OR L.P.	BLOCK #	ZONING	TAX/ZONING MAP	ELECTION DIST	CENSUS TRAC
216/5/5 & 642/436	6	M-1 & NT	42	6	6007.03
WATER CODE	E-06	SEWER CODE	5202000		

Developers/Builders Certificate
I/We certify that the landscaping shown on this plan will be done according to the plan, Section 16.124 of the Howard County Code and the Howard County Landscape Manual. I/We further certify that upon completion a Certification of Landscape Installation, accompanied by an executed one year guarantee of plant materials, will be submitted to the department of planning and zoning.
Name John B. Slater Date 9/2/99

AS BUILT CERTIFICATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
DIRECTOR DATE 9/23/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE 9/22/99
CHIEF, DIVISION OF LAND DEVELOPMENT DATE 9/23/99

8/3/09 5 ADD HANDICAP RAMP
6/2/00 1 REMOVE SIDEWALKS, BLDG ADD & HC SPACES
DATE NO. REVISION

OWNER/DEVELOPER
PLATT & COMPANY, INC.
VILLAGE OF CROSS KEYS
VILLAGE SQUARE I, SUITE 156
BALTIMORE, MARYLAND 21210
Attn: DWIGHT PLATT, JR. PH 410-532-2205

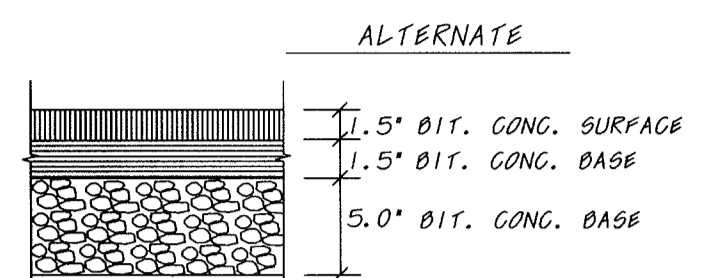
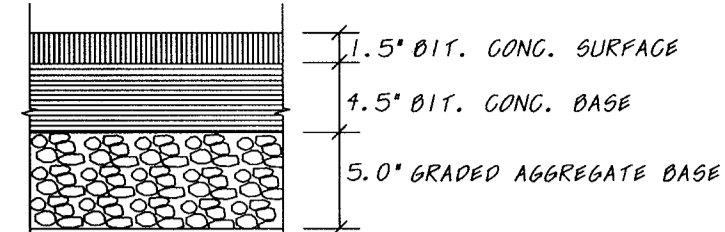
PROJECT:
COLUMBIA TECH CENTER

AREA TAX MAP NO. 47 BLOCK No. 6
PARCEL/LOT No. 590 ZONING: M-1
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE
Landscape Plan
William Monk, Inc.

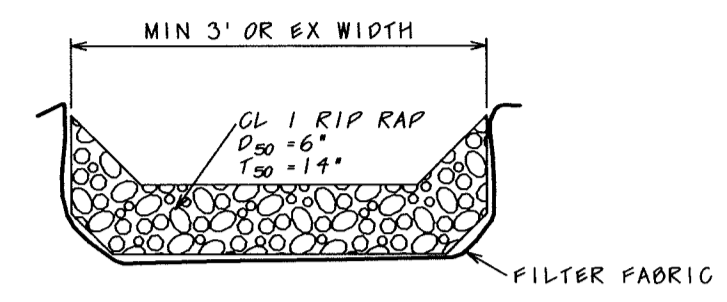
ENGINEERS - PLANNERS
Contributing Company
222 Bentley Avenue, Suite C-6
Towson, Maryland 21284
Phone: 410-494-8931 Fax: 410-494-9903

9-2-99
STATE OF MARYLAND
LANDSCAPE ARCHITECT
John B. Slater
MD Licenced Landscape Architect No 286
CHECKED BY: JBS
DESIGNED BY: MJW
DRAWN BY: MJW
PROJECT NO.: 99-003
DATE: 6-29-99
SCALE: 1" = 50'
DRAWING NO. 10 OF 11

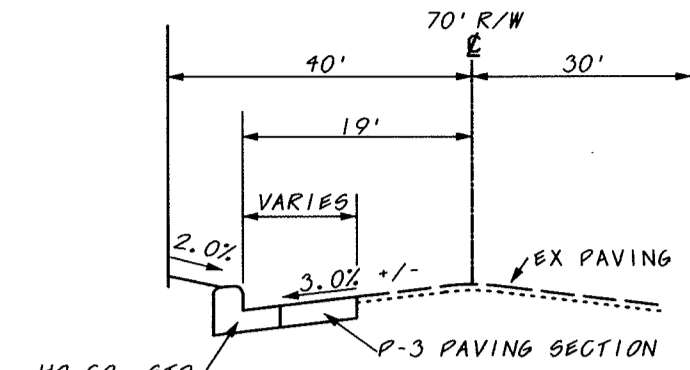


HOWARD COUNTY DESIGN MANUAL VOLUME IV
STANDARD SPECIFICATIONS AND DETAILS FOR
CONSTRUCTION DRAWINGS R-2.01.

P-3 PAVING SECTION
N.T.S.

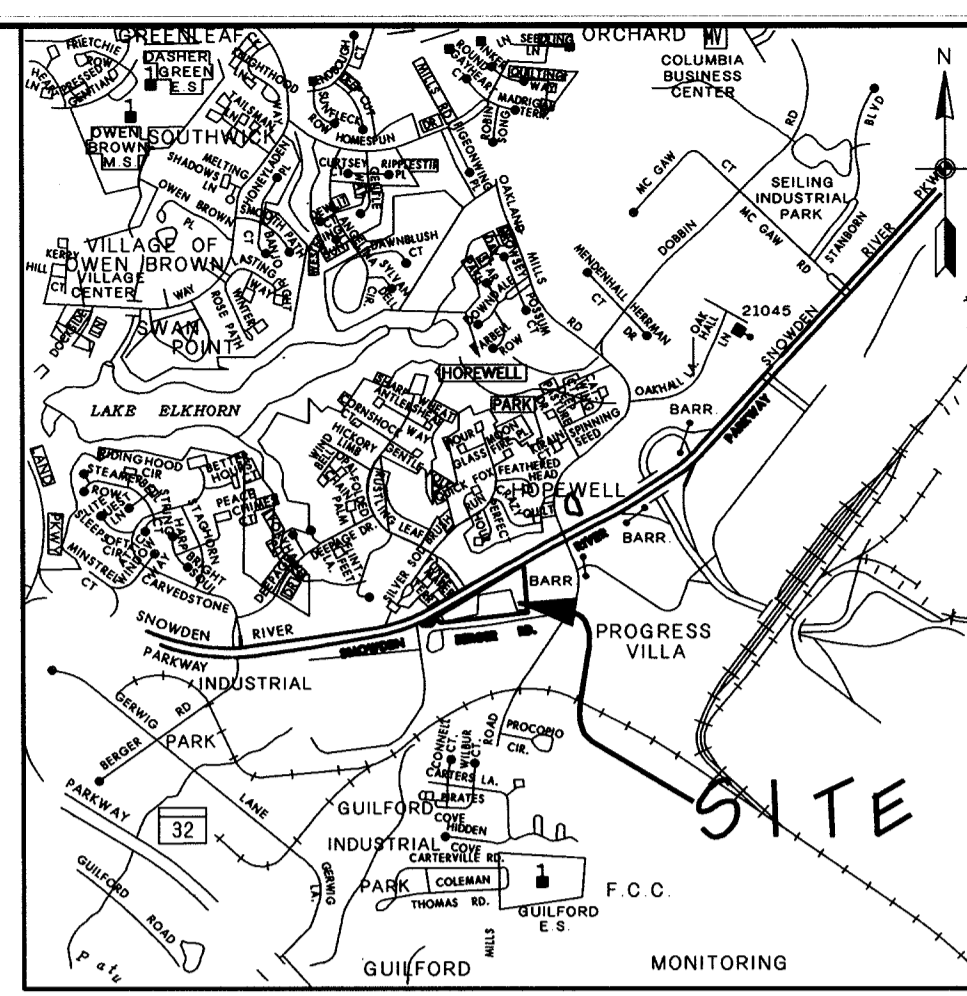


RIP RAP SECTION FOR EX DITCH
N.T.S.



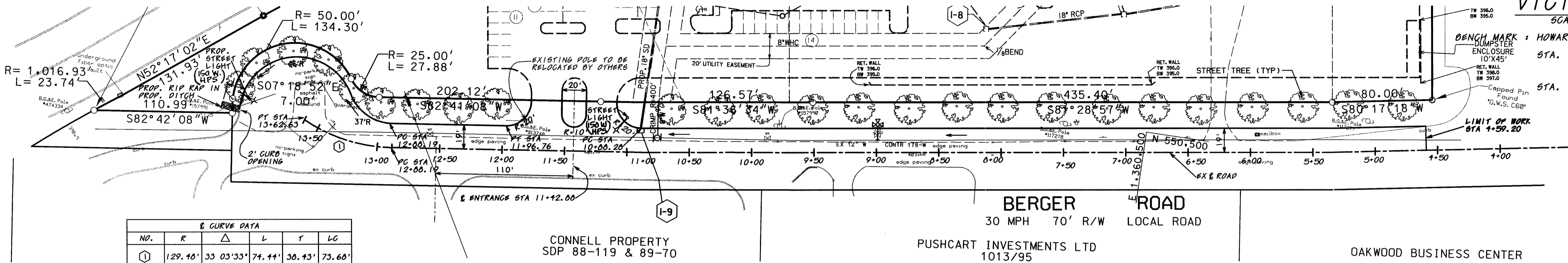
DETAIL R 1.01
TYPICAL SECTION
N.T.S.

COLUMBIA TECH CENTER
SDP 99-



VICINITY MAP
SCALE: 1"=200'

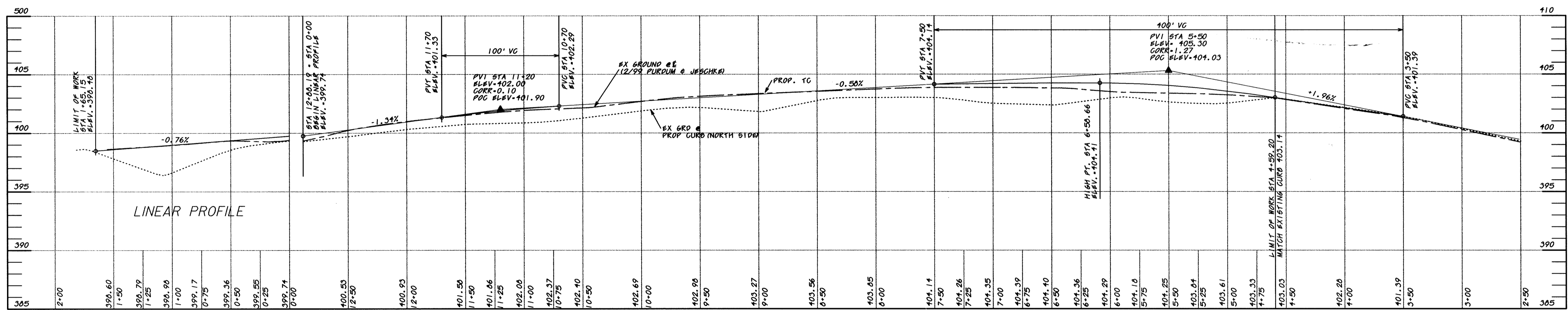
BENCH MARK: HOWARD COUNTY GEODETIC CONTROL
ENCLOSURE 10'x45'
STA. 42CA NORTH 551695.723
EAST 1362506.439
ELEV. +377.197'
STA. 361B NORTH 553340.642
EAST 1364085.211
ELEV. +366.377'



E CURVE DATA					
NO.	R	Δ	L	T	LC
1	129.40'	33°03'33"	74.44'	36.43'	73.60'

street lights: 150-watt HPS vapor pendant (cut-off)
mounted at 30' on bronze fiberglass
pole using a 12' arm

STREET TREES	
NO.	TYPE
25	Gleditsia triacanthos inermis (Shademaster Thornless Honeylocust) 2-2 1/2 cal.



APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE July 1, 1999

NOTE:
WAIVER FOR SKETCH PLAN AND PRELIMINARY PLAN PER WP-99-100.
SITE DEVELOPMENT PLAN NO. 99-139

AS BUILT CERTIFICATE

APPROVED: HOWARD COUNTY DEPARTMENT OF
PLANNING AND ZONING.

John Rutter 9/23/99
DIRECTOR DATE

Allen Summers 9/22/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION, DATE

Linda Hamilton 9/23/99
CHIEF, DIVISION OF LAND DEVELOPMENT, DATE

DATE	NO.	REVISION

OWNER/DEVELOPER
PLATT & COMPANY, INC.
VILLAGE OF CROSS KEYS
VILLAGE SQUARE 1, SUITE 156
BALTIMORE, MARYLAND 21210
Attn: DWIGHT PLATT, JR. PH 410-532-2205

PROJECT:
COLUMBIA TECH CENTER

AREA
TAX MAP NO. 42 BLOCK No. 4
PARCEL/LOT No. : 194 & 401 ZONING : M-1 & NT
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE
ROAD PLAN & PROFILE

PURDUM and JESCHKE, LLC
Consulting Engineers and Land Surveyors Civil • Structural • Environmental
The Professional Engineering Center
8005 Harford Road - Baltimore, Maryland 21234
Phone: 410-668-8800 - Fax: 410-668-8801

ADDRESS CHART					
LOT/PARCEL*	STREET ADDRESS				
336	9212 BERGER RD				

PERMIT INFORMATION CHART					
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL			
VILLAGE OF OWEN BROWN	SECTION 2/ AREA 3	336 & 194			
PLAT * OR L/P	BLOCK *	ZONING	TAX/ZONING MAP	ELECTION DIST	CENSUS TRACT
13917	6	M-1 & NT	42	6	6067.03
WATER CODE	SEWER CODE				
E-06	5202000				

9/2/99
DATE

CHECKED BY: PCR
DESIGNED BY: PCR
DRAWN BY: JLP
PROJECT NO.: 99-003
DATE: 4/19/99
SCALE: 1" = 50'
DRAWING NO. 11 OF 11