

LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	STABILIZED CONSTRUCTION ENTRANCE (SCE)
	SILT FENCE
	LIMIT OF DISTURBANCE
	TEMPORARY SWALE

PIPE OUTLET SEDIMENT TRAP-ST 1 DATA

DISTURBED AREA = 2.35 AC.
 WET VOLUME REQUIRED = 4,230 C.F.
 DRY VOLUME REQUIRED = 4,230 C.F.
 WET VOLUME PROVIDED = 4,300 C.F.
 DRY VOLUME PROVIDED = 4,300 C.F.
 TOP OF EMBANKMENT
 ELEV @ EXISTING GROUND = 391.0
 RISER CREST EL. = 390.0

NOTE: ANY STOCKPILED MATERIAL SHALL BE WITHIN THE LIMIT OF DISTURBANCE WITH POSITIVE DRAINAGE TO THE SEDIMENT TRAP

(1) REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

Charles Simon 2-15-00
 HBDA-NATURAL RESOURCES DATE
 CONSERVATION SERVICE

(2) THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John Robertson 2-15-00
 HOWARD SCD DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Dina Nantz 3/3/00
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
William Dammann 2/10/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Cindy Hamilton 3/11/00
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE
Paul Smith 3/11/00
 DIRECTOR DATE

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR 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 COUNTY SOIL CONSERVATION DISTRICT"

D. Vir Kathuria 1/19/00
 SIGNATURE OF ENGINEER DATE
 NAME: D. VIR KATHURIA

DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT 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 EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

Louis Mangione 1/29/00
 SIGNATURE OF DEVELOPER DATE
 NAME: LOUIS MANGIONE

DESIGNED BY:		DATE		BY		DESCRIPTION	
RAS	9/6/99	4-03-01	DVK	REVISE SEDIMENT TRAP RISER & OUTLET PIPE.			
DRAWN BY:	RAS	9/6/99					
CHECKED BY:	DVK	9/6/99					
APPROVED BY:							



KCE ENGINEERING, INC.

EXECUTIVE CENTER
 3300 NORTH RIDGE ROAD, SUITE 360
 ELLICOTT CITY, MARYLAND 21043
 PHONE (410) 203-9800 FAX (410) 203-9228
 EMAIL: KCE.ENG@GOLDS.COM



OWNER/DEVELOPER
 NICHOLAS MANGIONE
 1205 YORK ROAD
 LUTHERVILLE, MARYLAND 21093

EROSION AND SEDIMENT CONTROL PLAN
HOWARD COUNTY EXECUTIVE CENTER-II
 PARCELS A-1, B-1, C-1, ELLICOTT CITY WAL-MART PARCEL C
 TAX MAP 24, PARCEL 1180, GRID 6
 PLAT NUMBER 14000
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: AS NOTED CONTRACT NO.: DATE: 1/3/2000 SHEET: 7 OF 9
 SDP-99-132

PLANTING INSTALLATION NOTES:

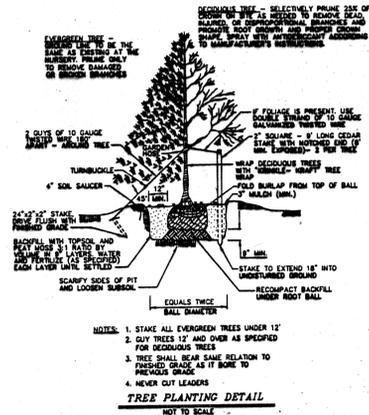
1. PLANT INSTALLATION MUST CONFORM TO THE MINIMUM STANDARDS CITED IN THE LATEST EDITION OF "LANDSCAPE SPECIFICATION GUIDELINES" PUBLISHED BY THE LANDSCAPE CONTRACTORS ASSOCIATION.
2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES IN THE FIELD AND BE RESPONSIBLE FOR ANY PROTECTION DURING PLANTING OPERATION. ADJUSTMENTS TO PLANT LOCATION AND LOCATION SHALL BE MADE AS NECESSARY TO AVOID COLLISIONS WITH UTILITIES. NEW UTILITIES SHALL BE CONTACTED PRIOR TO THE INSTALLATION OF WORK.
3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS FOR EXECUTING THE PLANTING PLAN.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING AREAS ADJACENT TO THE PLANTING AREAS DISTURBED OR DAMAGED AS A RESULT OF PLANTING OPERATION.
5. TREES AND SHRUBS SHALL BE INSTALLED IN ACCORDANCE WITH PLANTING DETAILS.
6. CONTRACTOR SHALL WARRANT THAT ALL PLANT MATERIALS WILL BE HEALTHY AND IN PLANTING CONDITION OF ACTIVE GROWTH ONE YEAR FROM DATE OF INITIAL ACCEPTANCE. THE LANDSCAPE CONTRACTOR SHALL SUBMIT A WRITTEN CERTIFICATION TO THE DEPARTMENT OF PLANNING AND ZONING THAT A ONE (1) YEAR GUARANTEE HAS BEEN RECEIVED.
7. FINAL ACCEPTANCE WILL BE GIVEN TO THE CONTRACTOR AFTER ONE YEAR FROM DATE OF INITIAL ACCEPTANCE BY THE OWNER AND APPROVAL OF THE CERTIFICATION BY THE COUNTY.

SCHEDULE A PERIMETER LANDSCAPE EDGE

LANDSCAPE TYPE	AMOUNT TO BE PROVIDED		AMOUNT TO BE PROVIDED		TOTAL
	B	C	B	C	
LINEAR FEET OF ROADWAY PER 100 FEET	500LF	40	150LF	450LF	55 LF
CURB FOR EXISTING VEGETATION	NA	NA	NA	NA	NA
CURB FOR WALL, FENCE OR IRON	NA	NA	NA	NA	NA
NUMBER OF PLANTS REQUIRED	13	0	0	1	28 TOTAL
NUMBER OF PLANTS PROVIDED	13	0	0	1	130
NUMBER OF PLANTS REQUIRED	13	0	0	1	28 TOTAL
NUMBER OF PLANTS PROVIDED	13	0	0	1	130

SCHEDULE B PARKING LOT INTERNAL LANDSCAPING

DESIGNED	2 1/2 SPACES
TOTAL	16
INTERNAL ISLANDS REQUIRED:	16
INTERNAL ISLANDS PROVIDED:	16 +
SHADE TREES REQUIRED:	16
SHADE TREES PROVIDED:	25



PLANT SCHEDULE

SYM. NO.	BOTANICAL NAME	COMMON NAME	SIZE	COND.	SPACING
AR 20	ACER RUBRUM 'AUTUMN FLAME'	AUTUMN FLAME RED MAPLE	2-2.5" CAL	B/B	30' O.C./SEE PLAN
JS 25	JUNIPERUS CHINENSIS 'SARGENT'	SARGENT JUNIPER		CONT	24" O.C.
PA 10	PICEA ABIES	NORWAY SPRUCE	6-8' HT	B/B	10-12' O.C.
PL 10Q	PRUNUS LAUROCERASUS 'OTTO LUTYKEN'	CHERRY LAUREL	24-30" HT	CONT	4' O.C.
PS 23	PINUS STROBUS	EASTERN WHITE PINE	6-8' HT	B/B	10-12' O.C.
Q 5	QUERCUS PALUSTRIS	PIN OAK	2-2.5" CAL	B/B	SEE PLAN
QP 30	QUERCUS PHELLOS	WILLOW OAK	2-2.5" CAL	B/B	SEE PLAN

KEY:
 B/B BALLED & BURLAPPED
 CAL CALIPER
 CONT CONTAINER
 HT HEIGHT
 O.C. ON-CENTER

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 3/2/10
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 [Signature] 2/17/10
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 3/1/10
 CHIEF, DIVISION OF LAND PLANNING & DEVELOPMENT DATE

[Signature] 3/21/10
 DIRECTOR DATE

REVISIONS

DATE	BY	DESCRIPTION
10-26-09	MG	PLANTING @ WESTERN EDGE OF PARKING LOT CHANGED.

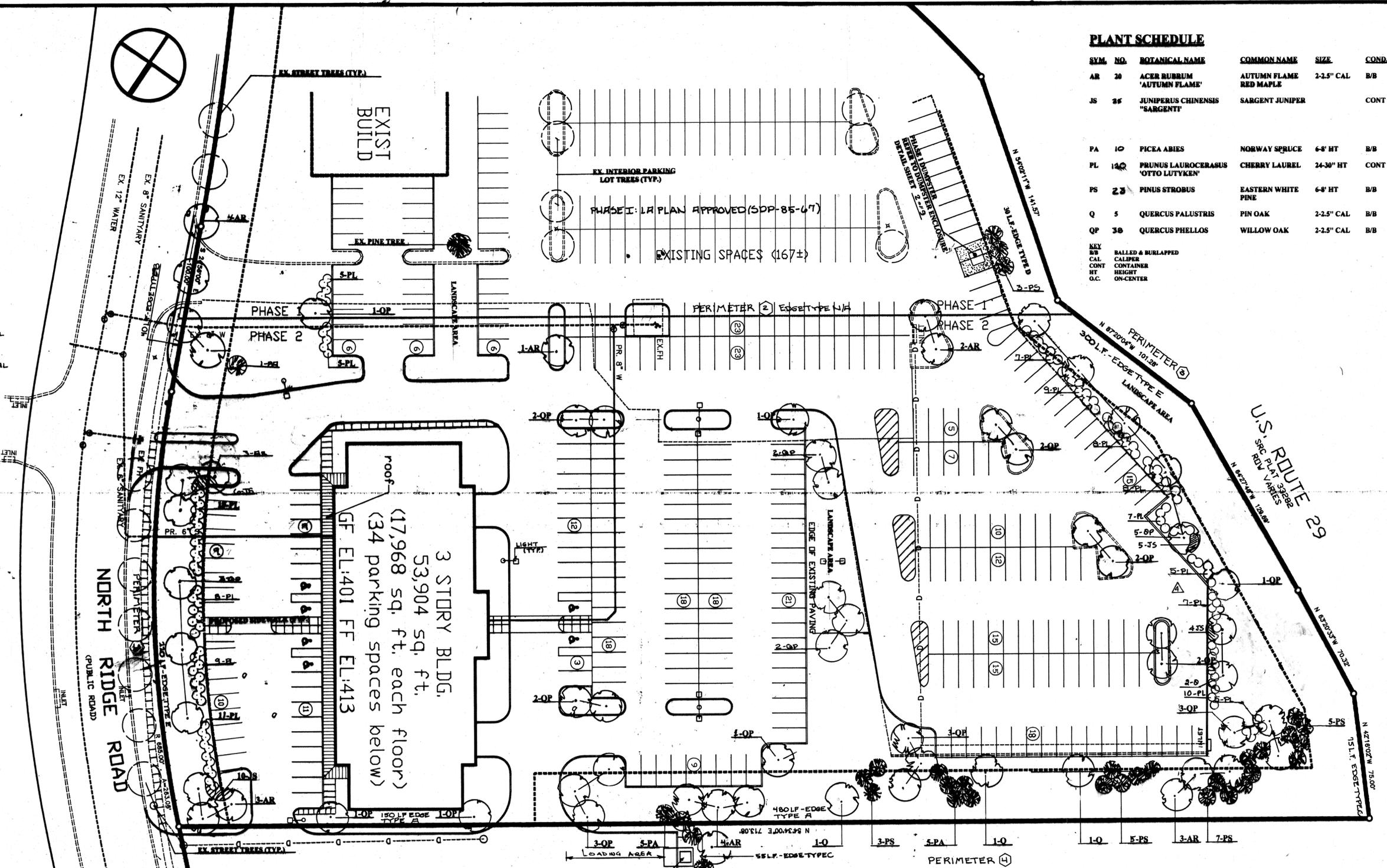


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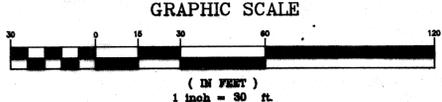
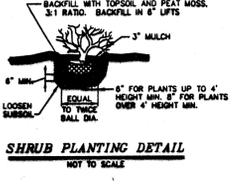


OWNER/DEVELOPER
 NICHOLAS MANGIONE
 1205 YORK ROAD
 LUTHERVILLE, MARYLAND 21093

LANDSCAPE PLAN
HOWARD COUNTY EXECUTIVE CENTER-II
 PARCELS A-1, B-1, C-1, ELLICOTT CITY WAL-MART PARCEL C
 TAX MAP 24, PARCEL 1180 GRID G
 PLAT NUMBER 14000
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"=30' CONTRACT NO.: DATE: 4/9/1999 SHEET: 9 OF 9
 SDP-99-132



LANDSCAPE PLAN NOTES:
 1) THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
 2) FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$115,000.
 3) THE REQUIRED PHASE 1 LANDSCAPING SHOWN ON APPROVED SDP-95-67 SHALL BE INSTALLED CONCURRENT WITH THE PHASE 2 LANDSCAPING.



THIS PLAN SHALL BE USED FOR LANDSCAPING ONLY

HOWARD COUNTY EXECUTIVE CENTER-II

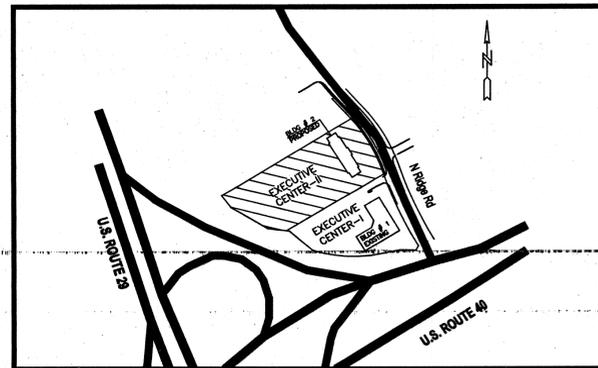
NORTH RIDGE ROAD

HOWARD COUNTY, MARYLAND

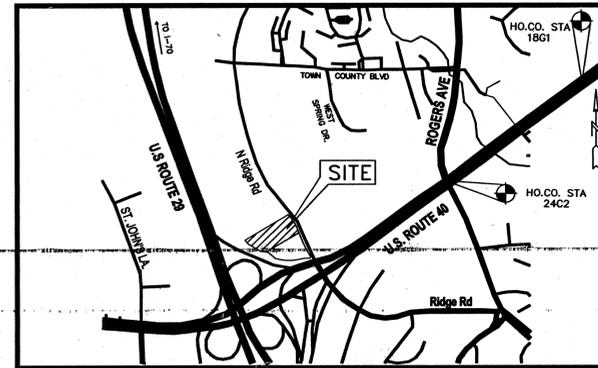
PREVIOUS APPROVAL NO. SDP-87-223

GENERAL NOTES

- TAX MAP: 24, PARCEL 1180
- DEED REFERENCE: 2051/0415, PLAT REFERENCE: 14000
- EXISTING ZONING: P.O.R AND B-2
- PROPOSED SITE USE: OFFICE AND RETAIL
- TOTAL AREA OF SITE: 7.76 AC
PHASE 1 (EXISTING) = 3.04 AC
PHASE 2 (PROPOSED) = 4.72 AC
- TOTAL NO OF LOTS: TWO (2) AND TWO (2) OPEN SPACE LOTS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- WATER AND SEWER ARE PUBLIC, CONTRACT # 14-1309-D, DRAINAGE AREA IS PATAPSCO.
- ALL ON SITE DRIVEWAYS AND PARKING AREAS ARE PRIVATE.
- NORTH RIDGE ROAD, U.S. ROUTE 40, AND U.S. ROUTE 29 ARE EXISTING PUBLIC ROADS.
- ANY DAMAGE TO THE COUNTY OR STATE OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- CONTRACTOR TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- 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 THE START OF WORK.
- STORMWATER MANAGEMENT FACILITY EXTENDED DETENTION POND PREVIOUSLY APPROVED UNDER SDP-96-01. THE FACILITY WAS DESIGNED TO INCLUDE DISCHARGE BASED ON ULTIMATE DEVELOPMENT OF THIS PROPERTY. A PRIVATELY OWNED AND MAINTAINED BAYSAYER-3K SYSTEM SHALL BE USED FOR ON-SITE WATER QUALITY REQUIRED FOR THIS SITE. THE EXISTING FACILITY HAS EXTENDED DETENTION FOR RESIDENTIAL PORTION ONLY.
- TRAFFIC CONTROL DEVICES, MARKING, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY KCE ENGINEERING, INC., DATED JANUARY 1999.
- COORDINATES BASED ON NAD83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NOS. 1861 AND 24C2.
STATION NO. 1861 N 589,984.950
E 1,367,750.240
STATION NO. 24C2 N 588,648.319
E 2,366,038.130
- ALL OUTDOOR LIGHTING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ZONING SECTION 134.
- THERE IS NO FLOOD PLAIN ON THIS SITE.
- THERE ARE NO WETLANDS ON THIS SITE.
- EXISTING UTILITIES ARE BASED ON WATER AND SEWER AS-BUILT DRAWINGS CONTRACT # 14-1309-D.
- TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY THE TRAFFIC GROUP DATED MAY 26, 1998.
- OTHER RELATED DEPARTMENT OF PLANNING & ZONING FILE NUMBERS ARE VP-84-58, P-85-02, F-85-57, S-95-01, P-95-21, ZB-941, F-96-01, F-96-09, SDP-96-01, F-98-91, F-00-44, WP-01-105
- THE FOREST CONSERVATION OBLIGATIONS FOR PARCEL C WERE SATISFIED UNDER ELLICOTT CITY WAL-MART MASS GRADING SDP-96-01 AND F-96-01. PARCELS A-1, B-1, AND C-1 ARE EXEMPT FROM THE REQUIREMENT FOR FOREST CONSERVATION PLAN, IN ACCORDANCE WITH SUBTITLE 12, SECTION 16.1202(b)(6) OF THE SUBDIVISION REGULATIONS.
- THIS PLAN IS SUBJECT TO WAIVER PETITION WP-01-105 APPROVED ON 6-21-01. FOR SECTION 16-156 (a)(1) & (2) WHICH REQUIRE THE DEVELOPER TO FILE FOR PERMIT APPLICATIONS WITHIN 1 YEAR OF SIGNATURE APPROVAL OF AN SDP OR THE PLAN WILL BE VOIDED AND A NEW SDP REQUIRED. APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS: THE OWNER/DEVELOPER SHALL APPLY FOR ALL NECESSARY PERMITS FOR THE IMPROVEMENTS SHOWN ON THE SDP WITHIN 1 YEAR OF THE DATE OF APPROVAL OF THIS WAIVER BY (6-21-02). IF PERMIT APPLICATIONS ARE NOT SUBMITTED IN THAT TIME FRAME, THE SDP (SDP-97-132) WILL BECOME VOID.



LOCATION MAP
SCALE 1" = 400'



VICINITY MAP
SCALE 1" = 1200'

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
PARCEL A-1 BLDG #1	3300 N. RIDGE ROAD, ELLICOTT CITY, MARYLAND 21043
PARCEL A-1 BLDG #2	3290 N. RIDGE ROAD, ELLICOTT CITY, MARYLAND 21043

PERMIT INFORMATION CHART					
SUBDIVISION NAME:		SECTION/AREA	LOT/PARCEL #		
HOWARD COUNTY EXECUTIVE CENTER AND ELLICOTT CITY WAL-MART			PARCELS A-1, B-1, C-1, WAL-MART PARCEL C		
PLAT # OR L/F	BLOCK #	ZONING	TAX MAP	ELECT. DIST.	CENSUS TRACT
14000	6	P.O.R & B-2	24	2ND	6026
WATER CODE		SEWER CODE			
F03		1452800			

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PHASE-1/PHASE-2 COMPOSITE PLAN AND DETAILS
3	SITE DEVELOPMENT PLAN
4	DRAINAGE AREA MAP
5	BAYSAYER STANDARD DETAIL SHEET
6	PROFILES AND SITE DETAILS
7	EROSION AND SEDIMENT CONTROL PLAN
8	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
9	LANDSCAPE PLAN

3 1/2" x 3 1/2" APPROVAL BLOCK

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR 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 COUNTY SOIL CONSERVATION DISTRICT"

Signature: *D. Vir Kathuria* DATE: 1/19/00
NAME: D. VIR KATHURIA

DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT 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 EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

Signature: *Louis Mangione* DATE: 1/24/00
NAME: LOUIS MANGIONE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Signature: *James M. ...* DATE: 3/3/00
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

Signature: *...* DATE: 2/12/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *...* DATE: 3/14/00
CHIEF, DIVISION OF LAND DEVELOPMENT

Signature: *...* DATE: 3/21/00
DIRECTOR

REVISIONS			
DESIGNED BY:	DATE	BY	DESCRIPTION
RAS	9/6/99		
DRAWN BY:	DATE	BY	DESCRIPTION
RAS	9/6/99		
CHECKED BY:	DATE	BY	DESCRIPTION
DVK	9/6/99		
APPROVED BY:	DATE	BY	DESCRIPTION

KCE ENGINEERING, INC.

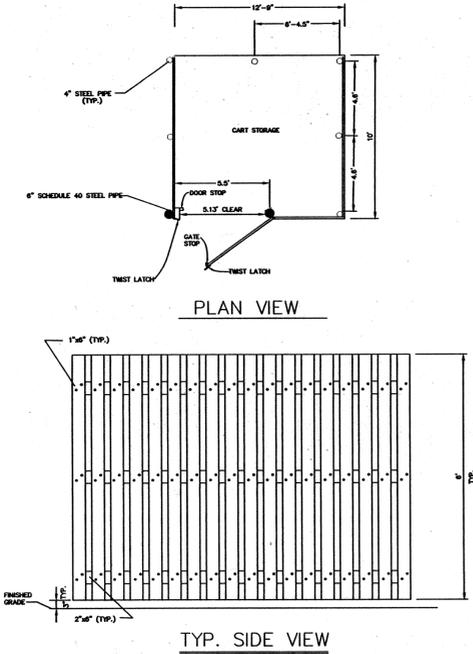
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LUTHERVILLE, MARYLAND 21093

TITLE SHEET

HOWARD COUNTY EXECUTIVE CENTER-II
PARCELS A-1, B-1, C-1, ELLICOTT CITY WAL-MART PARCEL C
TAX MAP 24, PARCEL 1180, GRID 6
PLAT NUMBER 14000
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: AS NOTED CONTRACT NO.: DATE: 1/3/2000 SHEET: 1 OF 9

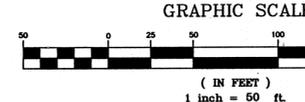
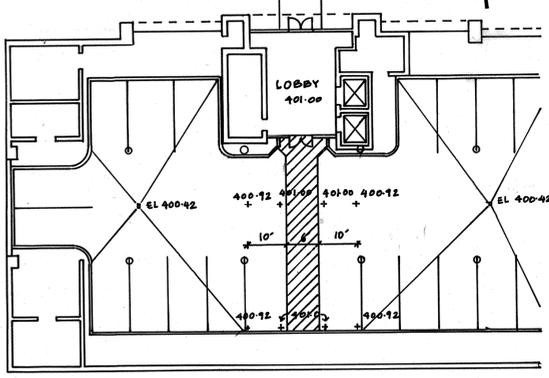
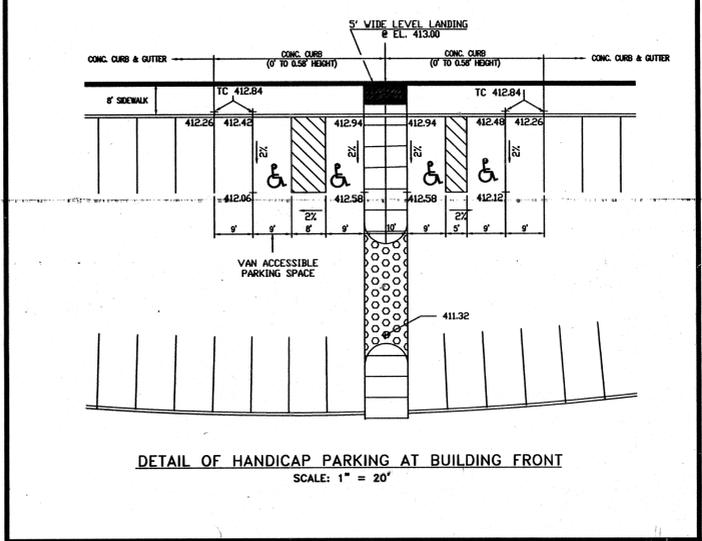
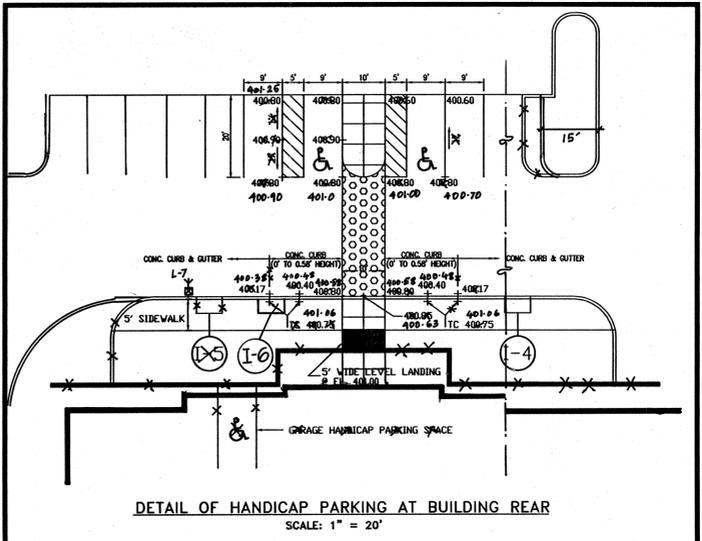
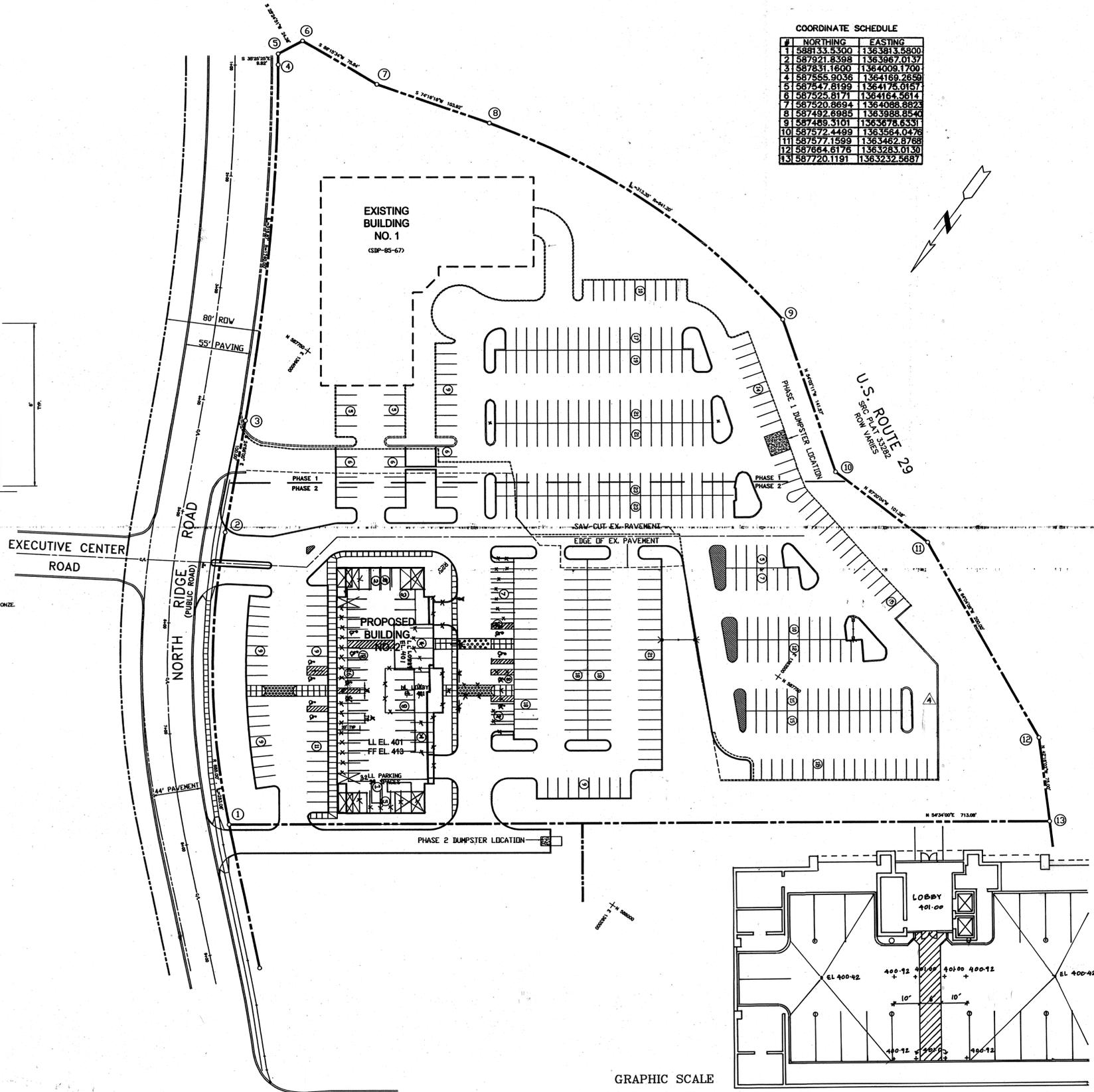


- GENERAL NOTES**
- FRONT GATE AND FRONT CORNER POST TO BE 6" SCHEDULE 40 STEEL PIPE, PAINTED DARK BRONZE.
 - ALL OTHER FENCE POST TO BE 4" SCHEDULE 40 STEEL PIPE, PAINTED DARK BRONZE.
 - GATES ARE TO BE WELDED 1 1/2" SQUARE STEEL SCHEDULE 40, PAINTED DARK BRONZE.
 - ALL STEEL MUST BE PAINTED WITH 1 COAT OF EPOXY PRIMER AND 2 COATS OF ALL WEATHER SURFACE PAINT, DARK BRONZE COLOR.
 - FENCE HEIGHT TO BE 6'.
 - 1" x 6" BOARD ON BOARD CONSTRUCTION ON 3 - 2" x 6" PER WALL.
 - USE ONLY RING SHANK OR SCREW SHANK GALVANIZED.
 - USE ONLY PRESSURE TREATED LUMBER.
 - GATES TO HAVE HASP TYPE LATCHES WITH TWIST LATCH, STANLEY 4 1/2" LATCHING HASP, 875-5011 OR EQUAL.
 - ALL CORNER AND SIDE POSTS TO BE SET IN CONCRETE 3" IN GROUND WITH 18" DIAMETER CONCRETE FOOTINGS.
 - GATE POST TO BE FILLED WITH CONCRETE AND FENCE POST TO BE CAPPED, TOP OF POST TO BE FLUSH WITH TOP OF FENCE.
 - GATE TO CART STORAGE AREA MUST BE SAME TYPE CONSTRUCTION AS SHOWN ON THIS DRAWING. SEE SITE PLAN FOR ADDITIONAL PLAN VIEW DIMENSIONS.

DUMPSTER ENCLOSURE DETAIL
NOT TO SCALE

COORDINATE SCHEDULE

#	NORTHING	EASTING
1	588133.5300	1363813.5800
2	587921.2398	1363967.0137
3	587831.1600	1364008.1700
4	587555.9036	1364169.2659
5	587547.8199	1364175.0157
6	587525.8171	1364164.5614
7	587520.8694	1364088.8823
8	587492.6985	1363988.8540
9	587489.3101	1363578.4531
10	587572.4499	1363564.0476
11	587577.1599	1363462.8768
12	587684.6176	1363283.0130
13	587720.1191	1363232.5687



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT

Dimitrios J. ... 2/6/00
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

John ... 2/17/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Christa ... 3/14/00
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Scott ... 3/21/00
DIRECTOR DATE

3 1/2" x 3 1/2" APPROVAL BLOCK

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D. Vir Kathuria 1/19/00
SIGNATURE OF ENGINEER DATE

NAME: D. VIR KATHURIA

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Louis Mangione 1/24/00
SIGNATURE OF DEVELOPER DATE

NAME: LOUIS MANGIONE

REVISIONS

DESIGNED BY:	DATE	BY	DESCRIPTION
RAS	9/6/99		
DRAWN BY:	DATE		
RAS	9/6/99	8-20-02 M.G.	BLDG FOOTPRINT CHANGED. DEF. OF HANDICAP PARKING CHANGED.
CHECKED BY:	DATE		
DVK	9/6/99	10-26-04 MG	PARKING LOT GRADES CHANGED
APPROVED BY:	DATE		



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PHASE 1/PHASE 2 COMPOSITE PLAN AND DETAILS
HOWARD COUNTY EXECUTIVE CENTER-II
PARCELS A-1, B-1, C-1, ELLICOTT CITY WAL-MART PARCEL C
TAX MAP 24, PARCEL 1180, GRID 6
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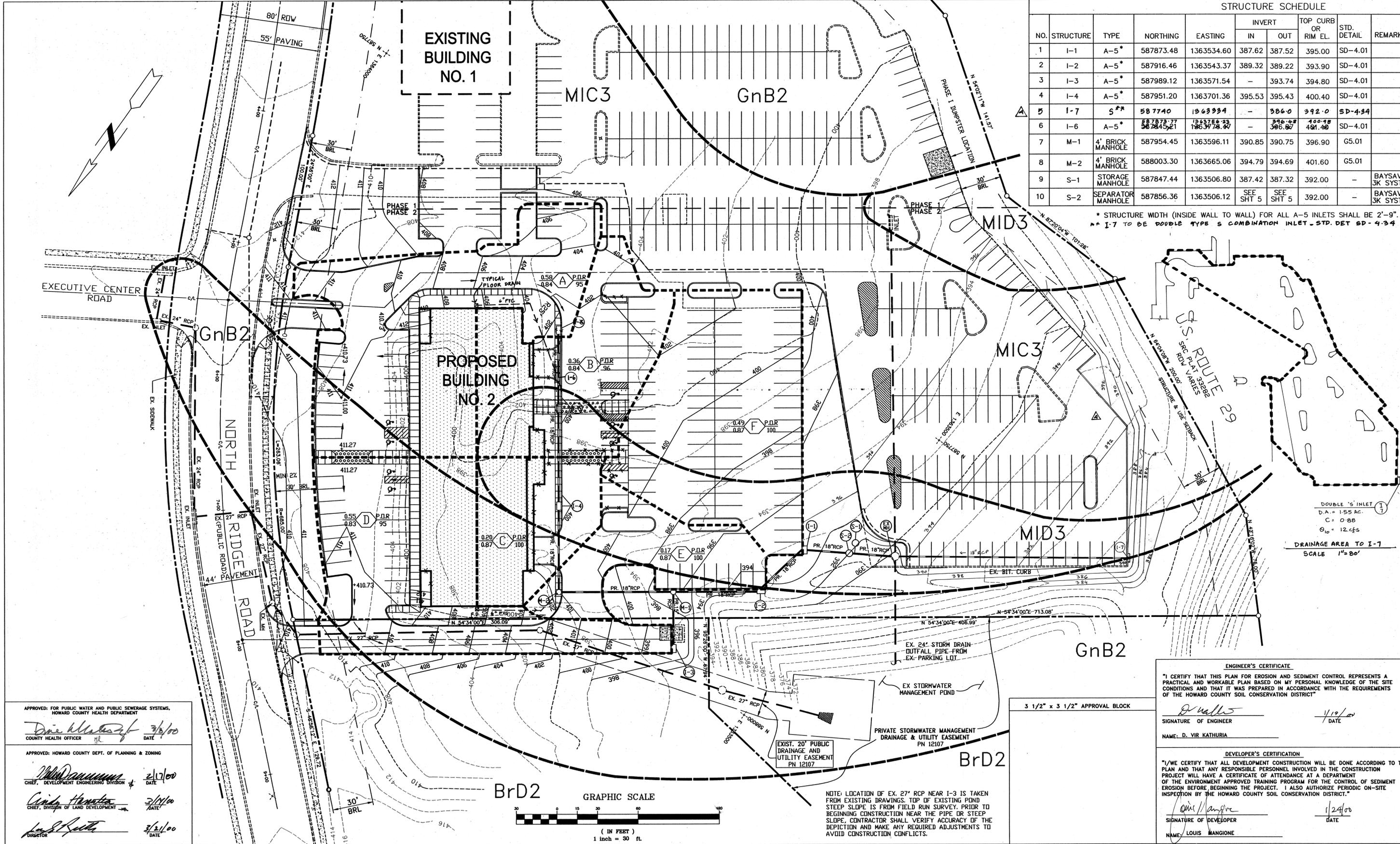
SCALE: AS NOTED CONTRACT NO.: DATE: 1/3/2000 SHEET: 2 OF 9

FILENAME

STRUCTURE SCHEDULE

NO.	STRUCTURE	TYPE	NORTHING	EASTING	INVERT		TOP CURB OR RIM EL.	STD. DETAIL	REMARKS
					IN	OUT			
1	I-1	A-5*	587873.48	1363534.60	387.62	387.52	395.00	SD-4.01	
2	I-2	A-5*	587916.46	1363543.37	389.32	389.22	393.90	SD-4.01	
3	I-3	A-5*	587989.12	1363571.54	-	393.74	394.80	SD-4.01	
4	I-4	A-5*	587951.20	1363701.36	395.53	395.43	400.40	SD-4.01	
5	I-7	S**	587740	1363934	-	386.0	392.0	SD-4.01	
6	I-6	A-5*	587873.77	1363766.23	-	396.48	400.48	SD-4.01	
7	M-1	4" BRICK MANHOLE	587954.45	1363596.11	390.85	390.75	396.90	G5.01	
8	M-2	4" BRICK MANHOLE	588003.30	1363665.06	394.79	394.69	401.60	G5.01	
9	S-1	STORAGE MANHOLE	587847.44	1363506.80	387.42	387.32	392.00	-	BAYSAYER 3K SYSTEM
10	S-2	SEPARATOR MANHOLE	587856.36	1363506.12	SEE SHT 5	SEE SHT 5	392.00	-	BAYSAYER 3K SYSTEM

* STRUCTURE WIDTH (INSIDE WALL TO WALL) FOR ALL A-5 INLETS SHALL BE 2'-9".
 ** I-7 TO BE DOUBLE TYPE S COMBINATION INLET - STD. DET SD-4.04



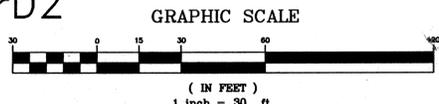
DOUBLE 'S' INLET
 D.A. = 1.55 AC.
 C = 0.88
 Q₁₀ = 12 cfs
 DRAINAGE AREA TO I-7
 SCALE 1" = 80'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
Dina M. M... 3/2/00
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
... 2/17/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Cindy ... 3/1/00
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

... 3/2/00
 DIRECTOR DATE



NOTE: LOCATION OF EX. 27" RCP NEAR I-3 IS TAKEN FROM EXISTING DRAWINGS. TOP OF EXISTING POND STEEP SLOPE IS FROM FIELD RUN SURVEY. PRIOR TO BEGINNING CONSTRUCTION NEAR THE PIPE OR STEEP SLOPE, CONTRACTOR SHALL VERIFY ACCURACY OF THE DEPICTION AND MAKE ANY REQUIRED ADJUSTMENTS TO AVOID CONSTRUCTION CONFLICTS.

ENGINEER'S CERTIFICATE
 "I CERTIFY THAT THIS PLAN FOR 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 COUNTY SOIL CONSERVATION DISTRICT"

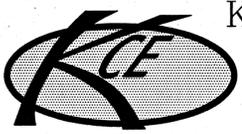
D. V. Kathuria 1/10/00
 SIGNATURE OF ENGINEER DATE
 NAME: D. VIR KATHURIA

DEVELOPER'S CERTIFICATION
 "I/WE CERTIFY THAT ALL DEVELOPMENT 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 EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

Louis Mangione 1/24/00
 SIGNATURE OF DEVELOPER DATE
 NAME: LOUIS MANGIONE

REVISIONS

DESIGNED BY:	DATE	DATE	BY	DESCRIPTION
RAS	9/6/99	8-19-2002	MG	I-5 REMOVED, I-6 CHANGED, P.D.'S ADDED
DRAWN BY:	RAS	10-26-04	MG	NEW I-7, GRADING, DRAINAGE AREA FOR W. PARKING LOT
CHECKED BY:	DVK			
APPROVED BY:				



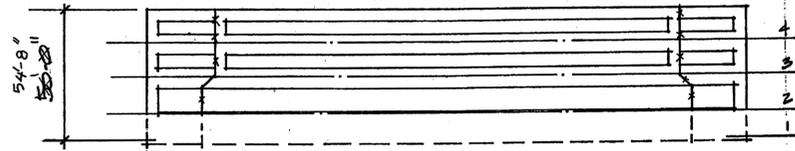
KCE ENGINEERING, INC.
 EXECUTIVE CENTER
 3300 NORTH RIDGE ROAD, SUITE 360
 ELLICOTT CITY, MARYLAND 21043
 PHONE (410) 203-9800 FAX (410) 203-9228
 EMAIL: KCE.ENG@GOLDS.COM



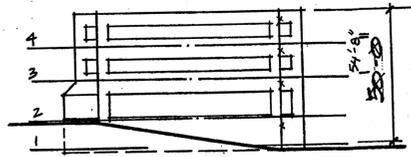
OWNER/DEVELOPER
 NICHOLAS MANGIONE
 1205 YORK ROAD
 LUTHERVILLE, MARYLAND 21093

DRAINAGE AREA MAP
HOWARD COUNTY EXECUTIVE CENTER-II
 PARCELS A-1, B-1, C-1, ELLICOTT CITY WAL-MART PARCEL C
 TAX MAP 24, PARCEL 1180, GRID 6
 PLAT NUMBER 14000
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

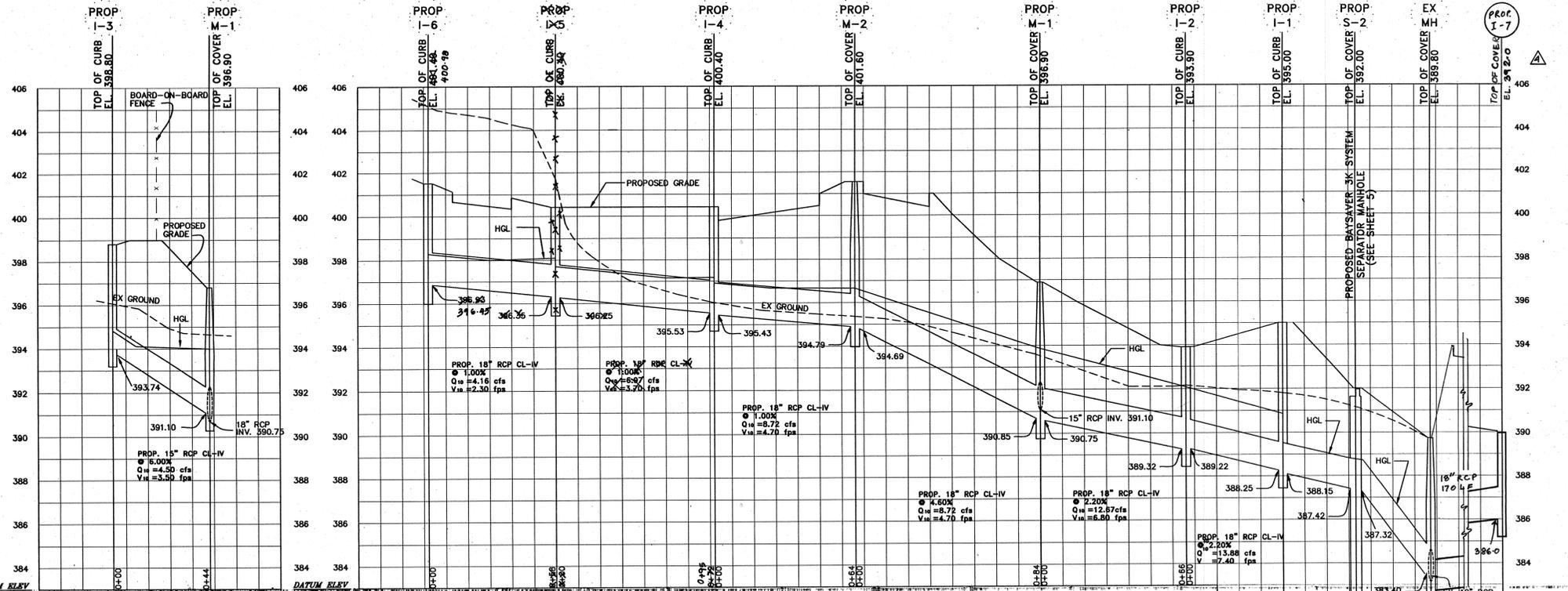
SCALE: AS NOTED CONTRACT NO.: DATE: 1/3/2000 SHEET: 4 OF 9
 SDP-99-132



FRONT ELEVATION 1" = 30'

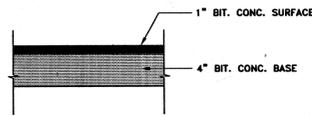


SIDE ELEV. 1" = 30'

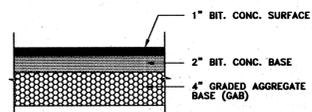


STORM DRAIN PROFILE
1" = 30' HORZ.
1" = 3' VERT.

STORM DRAIN PROFILE
1" = 30' HORZ.
1" = 3' VERT.

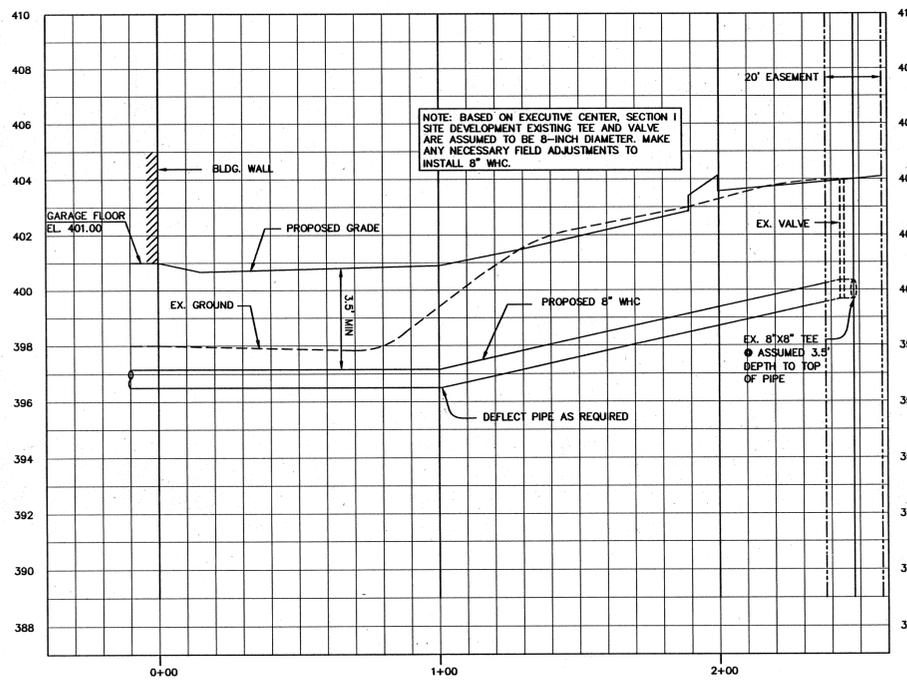


ALTERNATE-A

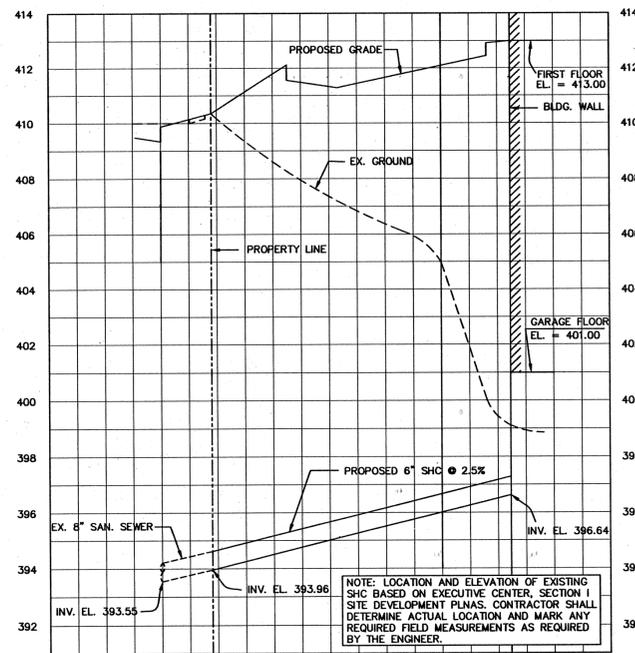


ALTERNATE-B

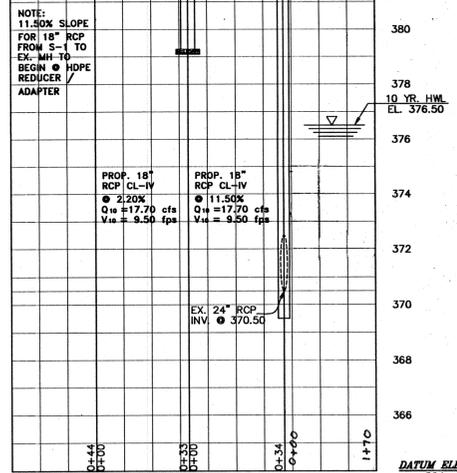
PAVING SECTION P-1
NOT TO SCALE



WATER HOUSE CONNECTION PROFILE
1" = 30' HORZ.
1" = 3' VERT.



SEWER HOUSE CONNECTION PROFILE
1" = 30' HORZ.
1" = 3' VERT.



NOTE:
11.50% SLOPE
FOR 18" RCP
FROM S-1 TO
EX. MH TO
BEGIN HDPE
REDUCER
ADAPTER

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
Dino M. [Signature] 3/6/00
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
[Signature] 2/17/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Cindy Hendon 3/14/00
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 3/21/00
DIRECTOR DATE

REVISIONS	
DATE	DESCRIPTION
8-19-2002	ELEVATIONS 1-5 ELIMINATED
10-26-04	INLET 1-7 ADDED

KCE ENGINEERING, INC.

EXECUTIVE CENTER
3300 NORTH RIDGE ROAD, SUITE 360
ELICOTT CITY, MARYLAND 21043
PHONE (410) 203-9800 FAX (410) 203-9228
EMAIL: KCE.ENG@GOLDS.COM



OWNER/DEVELOPER
NICHOLAS MANGIONE
1205 YORK ROAD
LUTHERVILLE, MARYLAND 21093

PROFILES AND SITE DETAILS
HOWARD COUNTY EXECUTIVE CENTER-II
PARCELS A-1, B-1, C-1, ELLICOTT CITY WAL-MART PARCEL C
TAX MAP 24, PARCEL 1180, GRID 6
PLAT NUMBER 14000
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: AS NOTED CONTRACT NO.: DATE: 1/3/2000 SHEET: 6 OF 9

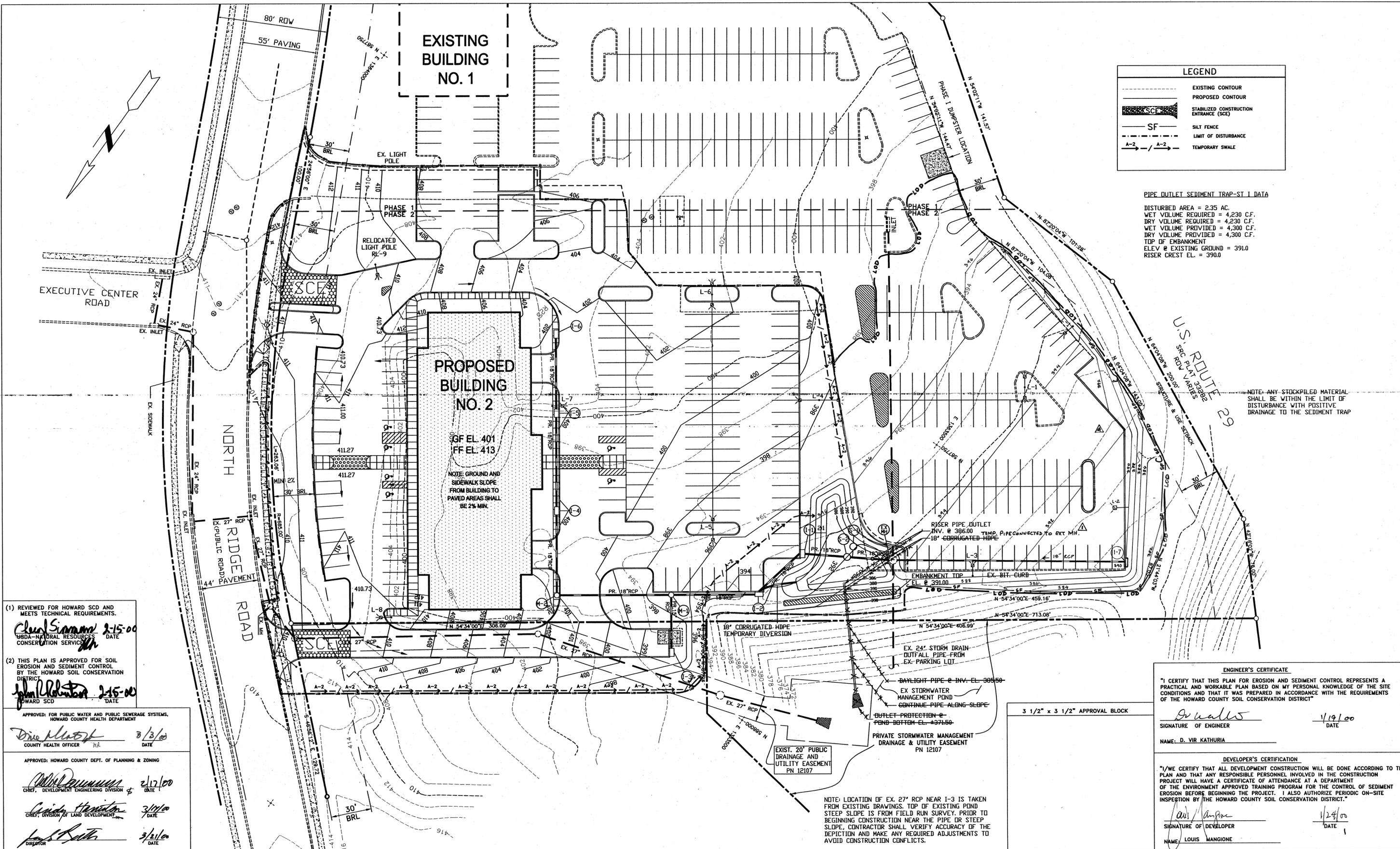
ENGINEER'S CERTIFICATE
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT"

[Signature] 1/19/00
SIGNATURE OF ENGINEER DATE
NAME: D. VIR KATHURIA

DEVELOPER'S CERTIFICATION
"I/WE CERTIFY THAT ALL DEVELOPMENT 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 EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

[Signature] 1/24/00
SIGNATURE OF DEVELOPER DATE
NAME: LOUIS MANGIONE

3 1/2" x 3 1/2" APPROVAL BLOCK



LEGEND

---	EXISTING CONTOUR
- - - -	PROPOSED CONTOUR
▨	STABILIZED CONSTRUCTION ENTRANCE (SCE)
- - - -	SILT FENCE
- - - -	LIMIT OF DISTURBANCE
A-2	TEMPORARY SWALE

PIPE OUTLET SEDIMENT TRAP-ST I DATA

DISTURBED AREA = 2.35 AC.
 WET VOLUME REQUIRED = 4,230 C.F.
 DRY VOLUME REQUIRED = 4,230 C.F.
 WET VOLUME PROVIDED = 4,300 C.F.
 DRY VOLUME PROVIDED = 4,300 C.F.
 TOP OF EMBANKMENT
 ELEV @ EXISTING GROUND = 391.0
 RISER CREST EL. = 390.0

NOTE: ANY STOCKPILED MATERIAL SHALL BE WITHIN THE LIMIT OF DISTURBANCE WITH POSITIVE DRAINAGE TO THE SEDIMENT TRAP

(1) REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.
Chad Simons 2-15-00
 USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

(2) THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John Robinson 2-15-00
 HOWARD SCD DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Dina Musty 3/3/00
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Chad Simons 2/17/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Chris Houston 3/1/00
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Paul Smith 3/2/00
 DIRECTOR DATE

REVISIONS

DATE	BY	DESCRIPTION
4-03-01	DVK	REVISE SEDIMENT TRAP RISER & OUTLET PIPE.
10-26-04	MA	PARKING LOT GRADES CHANGED



KCE ENGINEERING, INC.

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 3300 NORTH RIDGE ROAD, SUITE 360
 ELLICOTT CITY, MARYLAND 21043
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 EMAIL: KCE.ENG@GOLDS.COM



OWNER/DEVELOPER
 NICHOLAS MANGIONE
 1205 YORK ROAD
 LUTHERVILLE, MARYLAND 21093

EROSION AND SEDIMENT CONTROL PLAN
HOWARD COUNTY EXECUTIVE CENTER-II
 PARCELS A-1, B-1, C-1, ELLICOTT CITY WAL-MART PARCEL C
 TAX MAP 24, PARCEL 1180, GRID 6
 PLAT NUMBER 14000
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR 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 COUNTY SOIL CONSERVATION DISTRICT"

D. Vir Kathuria 1/19/00
 SIGNATURE OF ENGINEER DATE

NAME: D. VIR KATHURIA

DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT 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 EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

Louis Mangione 1/24/00
 SIGNATURE OF DEVELOPER DATE

NAME: LOUIS MANGIONE

3 1/2" x 3 1/2" APPROVAL BLOCK

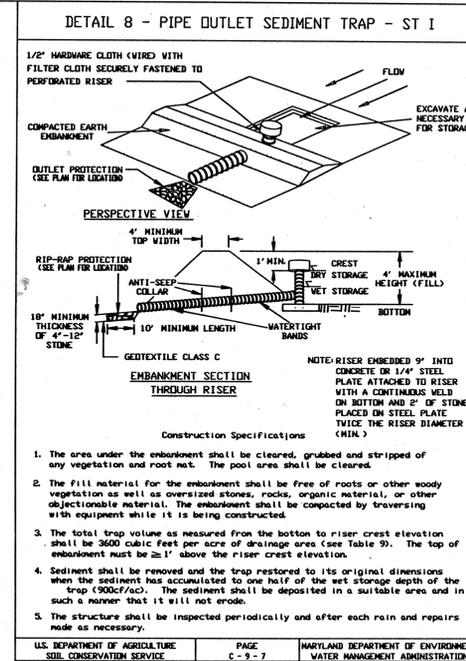
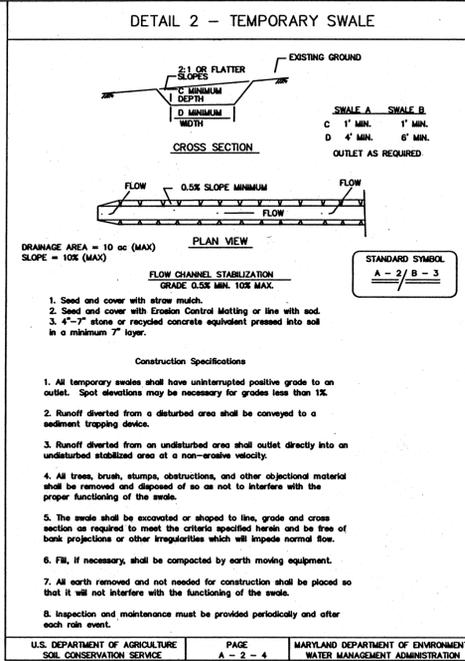
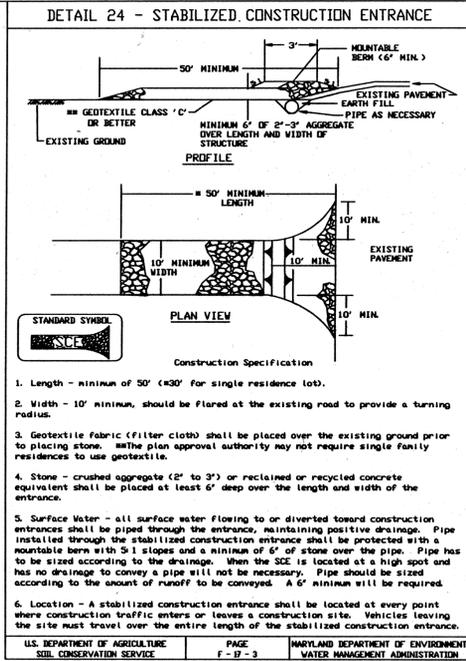
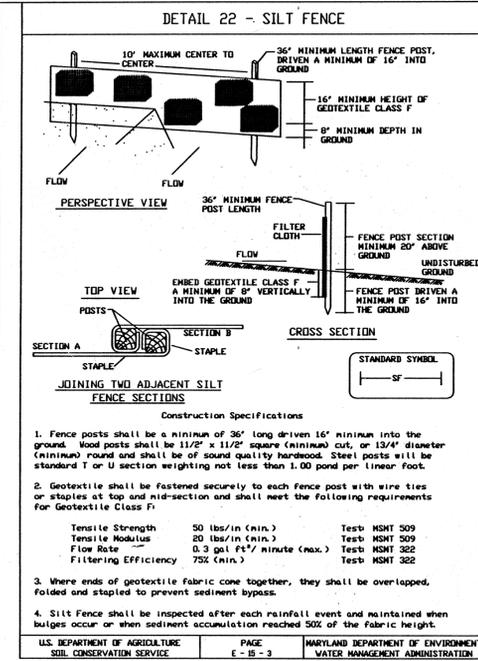
NOTE: LOCATION OF EX. 27" RCP NEAR I-3 IS TAKEN FROM EXISTING DRAWINGS. TOP OF EXISTING POND STEEP SLOPE IS FROM FIELD RUN SURVEY. PRIOR TO BEGINNING CONSTRUCTION NEAR THE PIPE OR STEEP SLOPE, CONTRACTOR SHALL VERIFY ACCURACY OF THE DEPICTION AND MAKE ANY REQUIRED ADJUSTMENTS TO AVOID CONSTRUCTION CONFLICTS.

DESIGNED BY: RAS 9/6/99
 DATE

DRAWN BY: RAS 9/6/99
 DATE

CHECKED BY: DVK 9/6/99
 DATE

APPROVED BY: _____
 DATE



- ### PIPE OUTLET SEDIMENT TRAP - ST I
- Construction operations shall be carried out in such a manner that erosion and water pollution are abated. Once constructed, the top and outside face of the embankment shall be stabilized in accordance with Grade Stabilization Structure criteria. The remainder of the interior slopes should be stabilized (one time) with seed and mulch upon trap completion and monitored and maintained erosion free during the life of the trap.
 - The structure shall be removed and area stabilized when the drainage area has been properly stabilized.
 - All cut and fill slopes shall be 2:1 or flatter.
 - All pipe connections shall be watertight.
 - Above the wet storage elevation, the riser shall be perforated with 1/2" wide by 6" long slits or 1" diameter holes spaced 6" vertically and horizontally. No perforations will be allowed within 6" of the horizontal barrel.
 - The riser shall be wrapped with 1/2" hardware cloth (wire) then wrapped with Geotextile Class E. The filter cloth shall extend 6" above the highest slit and 6" below the lowest slit, where ends of filter cloth come together, they shall be overlapped, folded and fastened to prevent bypass. Filter cloth shall be replaced as necessary to prevent clogging.
 - Straps or connecting bands shall be used to hold the filter cloth and wire fabric in place. They shall be placed at the top and bottom of the cloth.
 - Fill material around the pipe spillway shall be hand compacted in 4" layers. A minimum of 2" of hand-compacted backfill shall be placed over the pipe spillway before crossing it with construction equipment.
 - The riser shall be anchored with either a concrete base or steel plate base to prevent flotation. Concrete bases shall be at least twice the riser diameter and 12" deep with the riser embedded 9". Steel plate bases shall be at least twice the riser diameter, 1/4" minimum thickness and attached to the bottom of the riser by a continuous weld to form a watertight connection. Then place 2" of stone, gravel or tamped earth on the plate.
 - Anti seep collars shall be constructed in accordance with plans (ref. table 16 and Details 13 and 14).
 - Concentric trash rack and anti-vortex device design details are on Detail 16.
 - Refer to Section 3 for dewatering requirements of sediment traps.
 - Outlet - An outlet shall be provided, which includes a means of conveying the discharge in an erosion free manner to an existing stable channel.
 - Where discharge occurs at the property line, local ordinances and drainage easement requirements shall be met.
- U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE PAGE C-9-7A MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT 1 DAY
- CLEAR AND GRUB MINIMUM AREA REQUIRED TO INSTALL SEDIMENT CONTROL MEASURES 1 DAY
- INSTALL ALL SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN INCLUDING STONE CONSTRUCTION ENTRANCE 2 DAYS
- DETERMINE LOCATION AND ELEVATION OF EXISTING 6" SHC. CLEAR AND GRUB THE REMAINING AREA WITHIN LIMITS OF DISTURBANCE AND GRADE THE SITE AS SHOWN ON PLAN 2 WEEKS
- CONSTRUCT PARKING LOT, SIDEWALKS, AND STORM DRAIN SYSTEM TO 1-2. ELEVATE THE TEMPORARY SWALE OVER THE PIPE FROM M-1 TO 1-2 IF REQUIRED FOR CLEARANCE. MAINTAIN SWALE POSITIVE DRAINAGE TO THE SEDIMENT TRAP. INSTALL THE TEMPORARY DIVERSION PIPE FROM 1-2 TO THE SEDIMENT TRAP. INSTALL RISER PIPE OUTLET AND TEMP. PIPE CONNECTED TO EXT. M.H. 6 MONTHS
- CONSTRUCT BUILDING AND OTHER STRUCTURES 6 MONTHS
- FINE GRADE THE SITE AND STABILIZE ALL DISTURBED AREA WITH PERMANENT VEGETATION 2 DAYS
- REMOVE THE TEMPORARY DIVERSION PIPE, INSTALL S-1, S-2, AND STORM DRAIN PIPE S2-EXT. M.H. BACKFILL THE SEDIMENT TRAP TO THE EXTENT REQUIRED, INSTALL THE REMAINDER OF THE STORM DRAIN SYSTEM. INSTALL ANY REMAINING PAVEMENT, CURB AND GUTTER IN THE AREA NEAR THE TRAP. 2 DAYS
- BACKFILL THE REMAINDER OF THE TRAP AND FILL THE BURIED PORTION OF THE TEMPORARY PIPE WITH GROUT. REMOVE ANY REMAINING SEDIMENT CONTROL MEASURES UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR. STABILIZE THE AFFECTED AREA WITH PERMANENT VEGETATION 1 DAY
- INSTALL SILT FENCE AROUND THE PARKING AREA TO BE REGRADED AS SHOWN ON THE DRAWING 2 DAYS
- REMOVE 2 EX INLETS AND 18" DIA. STORM DRAIN PIPE CONNECTED TO EXISTING MANHOLE. 1 DAY
- GRADE PARKING LOT TO THE PROPOSED GRADES. 2 WEEKS
- INSTALL NEW INLET & NEW 18" SD. CONSTRUCT NEW CURB & GUTTER, PAVE THE PARKING LOT. 4 WEEKS

(1) REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.
Cheryl Simms 2-15-00
 USDA-NATURAL RESOURCES DATE CONSERVATION SERVICE

(2) THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John P. Robertson 2-15-00
 HOWARD SCD DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Doree M. Winters 3/2/00
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Chris P. Williams 2/17/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Andy Hamilton 2/14/00
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

James S. Bates 3/2/00
 DIRECTOR DATE

DESIGNED BY:	DATE
RAS	9/6/99
DRAWN BY:	DATE
RAS	9/6/99
CHECKED BY:	DATE
DVK	9/6/99
APPROVED BY:	DATE

REVISIONS		
DATE	BY	DESCRIPTION
4-02-01	DVK	REVISE SEQUENCE OF CONSTRUCTION.
10-26-04	M.G.	REVISE SEQUENCE OF CONSTRUCTION



KCE ENGINEERING, INC.

EXECUTIVE CENTER
 3300 NORTH RIDGE ROAD, SUITE 360
 ELLICOTT CITY, MARYLAND 21043
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 EMAIL: KCE.ENG@GOLDS.COM



OWNER/DEVELOPER
 NICHOLAS MANGIONE
 1205 YORK ROAD
 LUTHERVILLE, MARYLAND 21093

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
HOWARD COUNTY EXECUTIVE CENTER-II
 PARCELS A-1, B-1, C-1, ELLICOTT CITY WAL-MART PARCEL C
 TAX MAP 24, PARCEL 1180, GRID 6
 PLAT NUMBER 14000
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: AS NOTED CONTRACT NO.: DATE: 1/3/2000 SHEET: 8 OF 9
 SDP-99-132