

NOTE:
SEE SHEET NO. 4 OF 4 FOR
SEDIMENT CONTROL NOTES AND
ESTIMATED SCHEDULE OF PHASING
AND DEVELOPMENT.

UTILITY CONSTRUCTION OUTSIDE
PLANNED SEDIMENT CONTROL
DEVICE
(CONTRACTOR TO INSTALL ONLY THAT
LENGTH OF UTILITY
THAT CAN BE BACKFILLED
& STABILIZED AT THE
END OF EACH WORKING
DAY)

HOWARD SOIL CONSERVATION DISTRICT
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND PEETS TECHNICAL REQUIREMENTS.
DATE: 9-23-74
APPROVED: [Signature] DATE: 9-23-74

DEVELOPER
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.
DATE: 7/15/74

PROFESSIONAL ENGINEER
I CERTIFY THAT THIS PLAN FOR EROSION & 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.
DATE: 7/15/74

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS & ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DATE: 9/26/74

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
DATE: 10/2/74

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
DATE: 9/17/74

REVISIONS:

NO.	DATE	DESCRIPTION
1	8-13-74	AS PER HOWARD COUNTY COMMENTS
2	1-21-75	REVISED PER GENERAL LITIGATION
3	3-16-75	REVISED PER PROJECT C-0182
4	8/20/74	REVISED PER COMMENTS FROM HOWARD COUNTY HEALTH DEPARTMENT
5	5-28-75	REVISED PER COMMENTS FROM HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY OFFICE BUILDING II
F.F. 412.11

FOR REVISION #2 ONLY

FOR REVISION #3 ONLY

HOWARD COUNTY OFFICE BUILDING II
COCHRAN, STEPHENSON & DONKROVOT ARCHITECTS
INCORPORATED
225 NORTH CHARLES ST. BALTIMORE MD 21201
HENRY ADAMS, INC. MECH. - ELEC. ENGINEERS
121 WASHINGTON AVE. TOWSON MD 21286
PURDUM & JESCHKE LAND SURVEYORS - CIVIL ENGINEERS
4023 NORTH CALVERT ST. BALTIMORE, MD. 21208

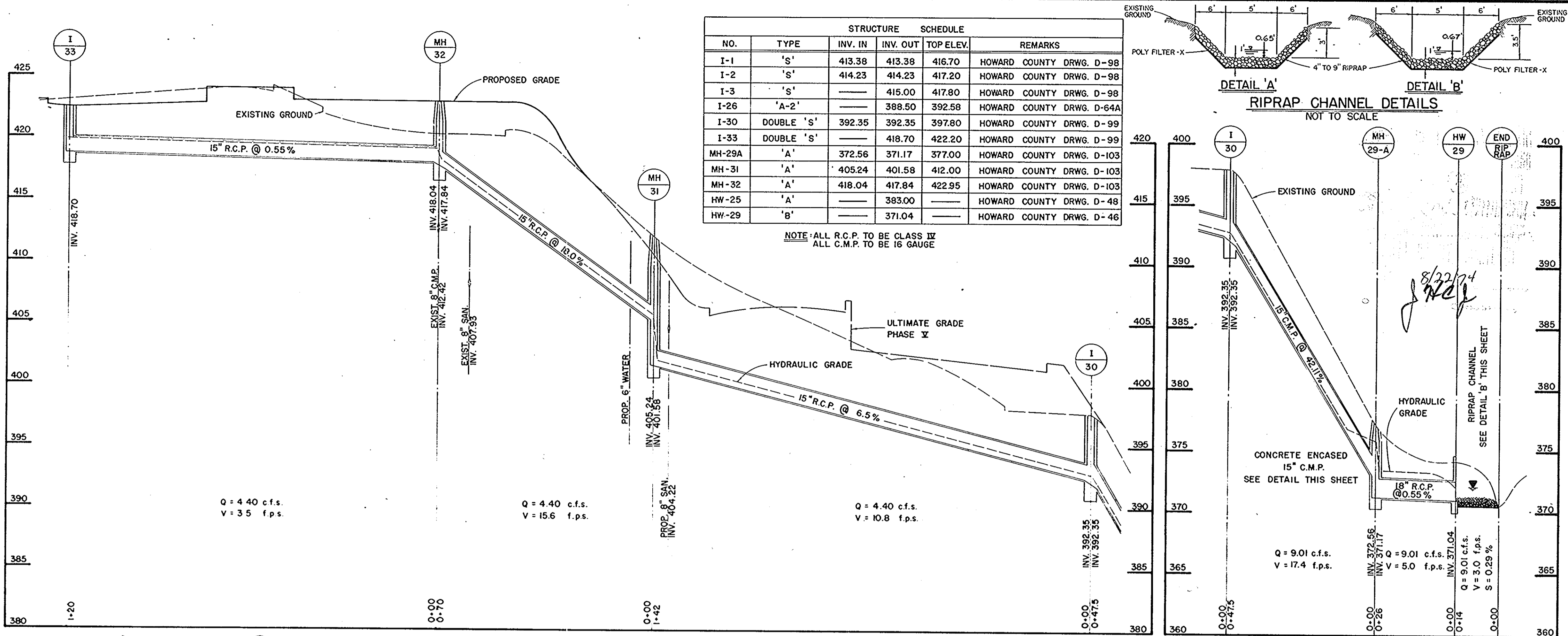
REVISED
SEDIMENT CONTROL PLAN
2nd ELECTION DISTRICT
TAX MAP 25 PARCEL 12

DRAWN: B. BURTON
DESIGN: R. BERICH
CHECK: MELMENSCHY
SCALE: 1" = 20'
DATE: JULY 15, 1974
SHEET NO. 3 OF 4

DEPARTMENT OF PUBLIC WORKS
DRAWING NUMBER
GC 0102

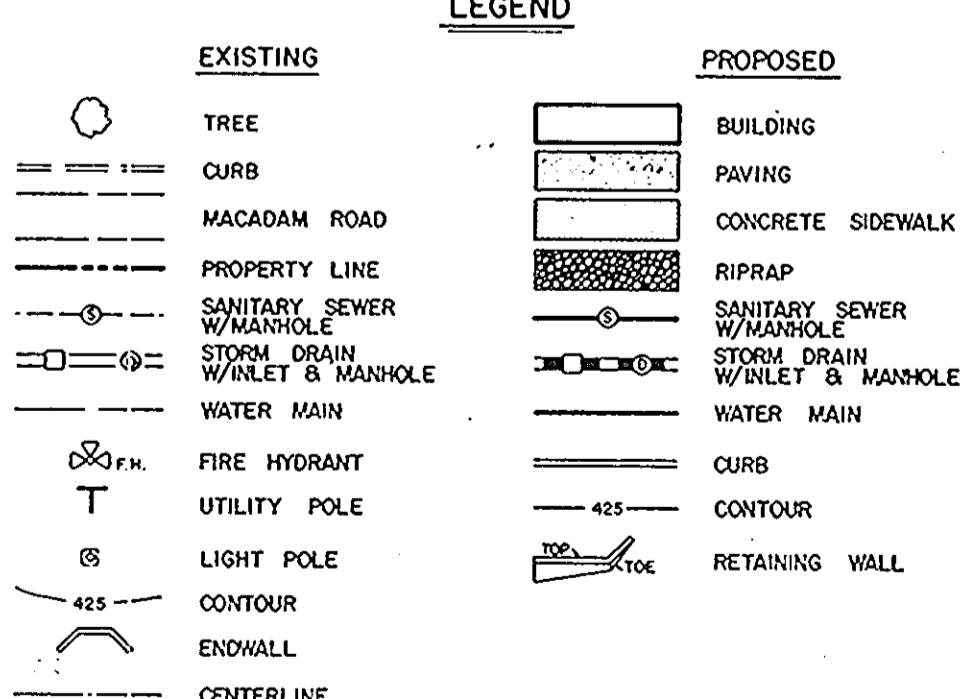
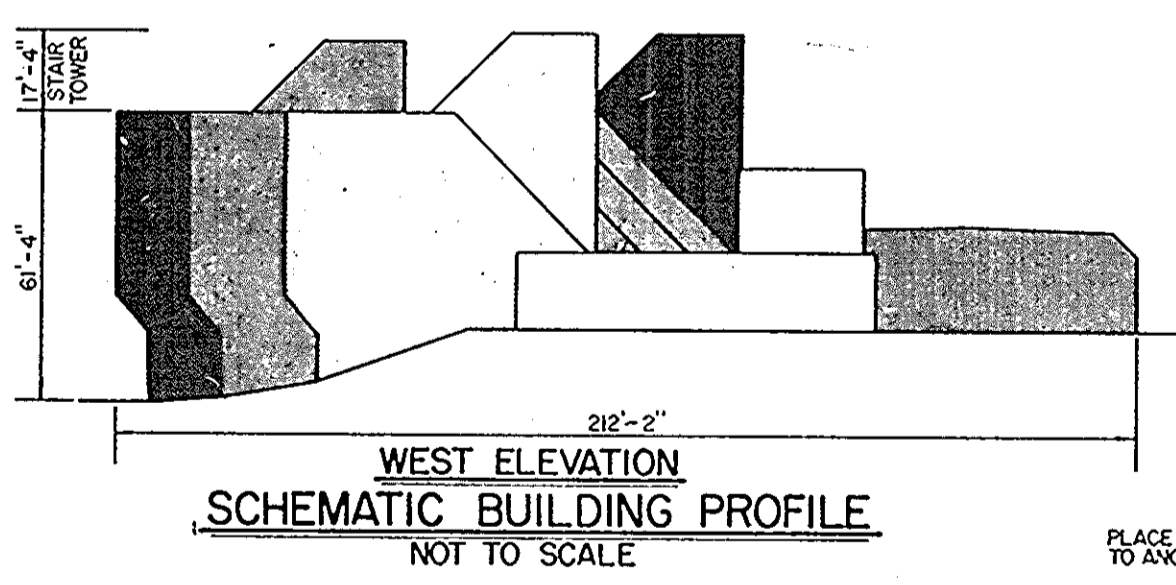
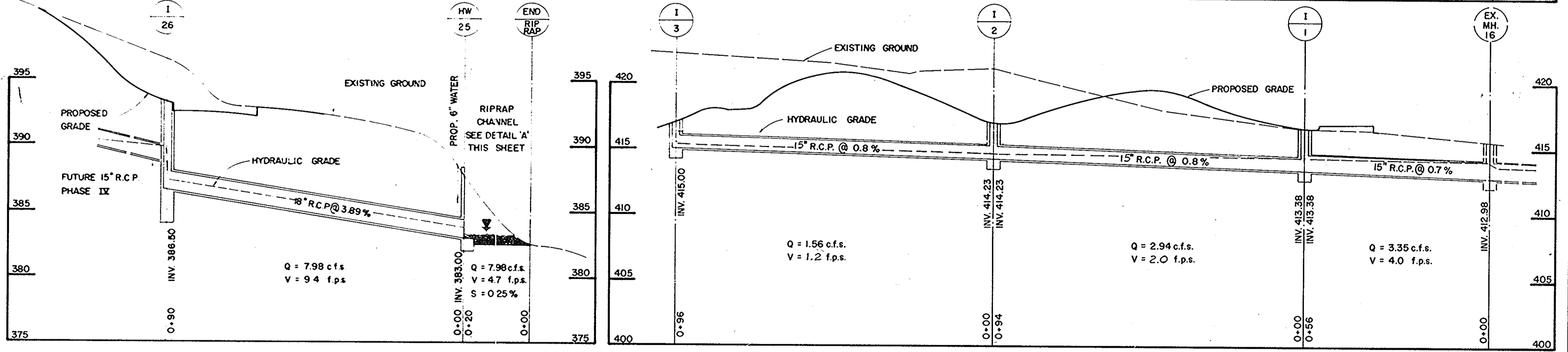
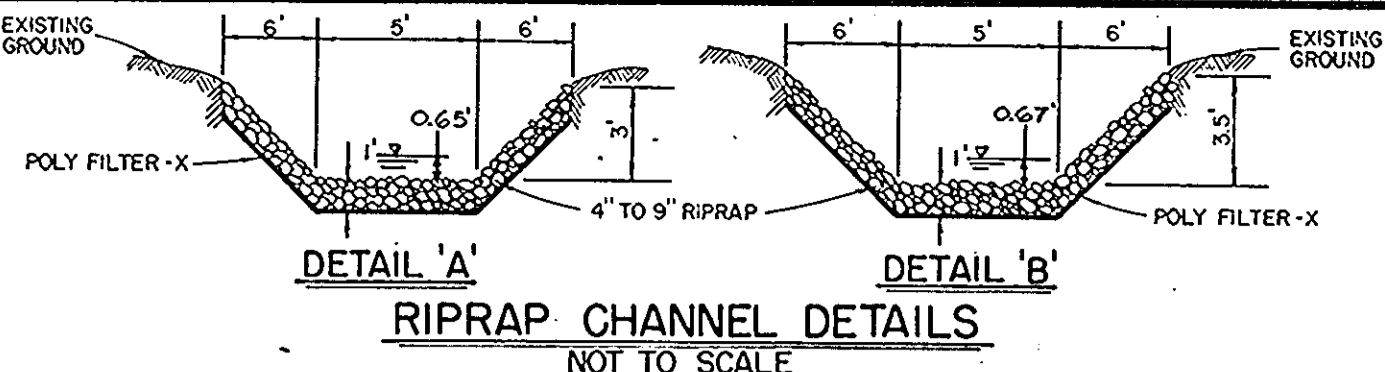
GENERAL NOTES

- PRESENT ZONING - R-20
- TOTAL AREA OF PARCEL - 30.04 AC.±
- TOTAL FLOOR SPACE - 95,850 SQ. FT.
 - GROUND LEVEL - 25,900 SQ. FT.
 - 1ST LEVEL - 34,500 SQ. FT.
 - 2ND LEVEL - 18,800 SQ. FT.
 - 3RD LEVEL - 15,150 SQ. FT.
 - PENTHOUSE - 1,500 SQ. FT.
- ALL PARKING SPACES TO BE 10' x 20'
- ALL INTERIOR ROADS SHALL BE PRIVATELY OWNED.
- PUBLIC WATER AND SEWERAGE SYSTEMS WILL BE USED.
- PROPOSED GRADES CONTOURS REPRESENT FINISHED GRADES. CONTRACTOR SHALL MAKE ALLOWANCES TO SUBGRADE FOR TOPSOIL, PAVING AND OTHER SURFACE FINISHES AS REQUIRED.
- CONTOURS AND ELEVATIONS ARE CONTROLS ONLY. ALL GRADING IS TO BE SMOOTH AND CONTINUOUS.
- ALL CONSTRUCTION MATERIALS AND DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS AND/OR ACCOMPANIED SPECIFICATIONS.
- ALL AREAS DISTURBED BY GRADING OR CONTRACTOR'S OPERATIONS, NOT BEING PAVED, SHALL BE TOPSOILED SEEDED AND MULCHED IN ACCORDANCE WITH SEDIMENT CONTROL NOTE NO. 3. SEE THIS SHEET.
- TOTAL NO OF EMPLOYEES - 861 (ALL BUILDINGS)
- PARKING REQUIREMENTS UNDER SECTION 23.018 ZONING REGULATIONS OF HOWARD COUNTY.
 - PARKING SPACES REQUIRED - 431 SPACES
 - PARKING PROVIDED - 668 (SEE PHASE I)
- NO FENCES WILL BE CONSTRUCTED ON THIS SITE.
- LOCATIONS OF EXISTING UTILITIES IS APPROXIMATE AND IS OBTAINED FROM RECORDED DRAWINGS.
- SEE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS, RETAINING WALLS, STEPS, SIDEWALKS, AND LANDSCAPE DETAILS.
- ALL PAVING SHALL CONSIST OF 7" CRUSHER RUN BASE COURSE, 2" BITUMINOUS CONCRETE BINDER AND 1" BITUMINOUS SURFACE COURSE.
- ALL CURBS TO BE HOWARD COUNTY STANDARD 7" COMBINATION CURB AND GUTTER AS PER STANDARD DETAIL NO. D-40. EXCEPT WHERE NOTED AS BITUMINOUS CURB.
- MINIMUM BUILDING SETBACK RESTRICTIONS FROM PROPERTY LINES TO 1/2" LINE OF ANY PUBLIC ROAD OR STREET TO BE IN ACCORDANCE WITH HOWARD COUNTY ZONING REGULATIONS.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES A MINIMUM OF 3 DAYS IN ADVANCE OF CONSTRUCTION OPERATIONS:
 - BELL TELEPHONE SYSTEM 393-3649
 - LONG DISTANCE CABLE DIVISION 393-3553
 - BALTIMORE GAS & ELECTRIC CO. 539-8000
 - MISS UTILITY 559-0100



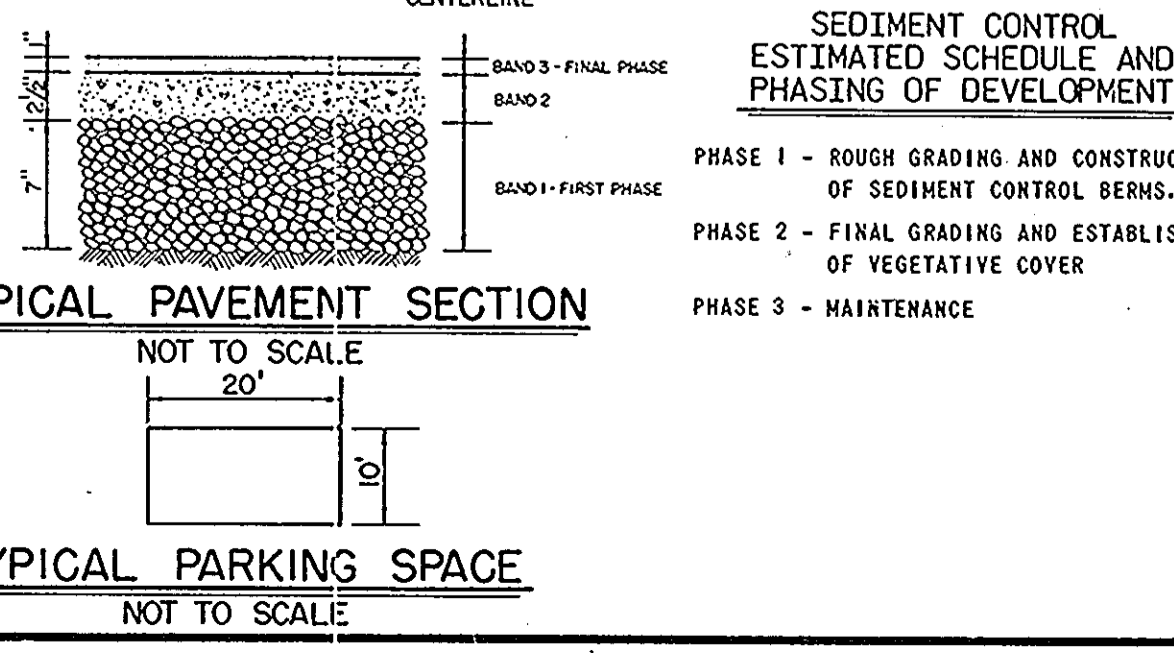
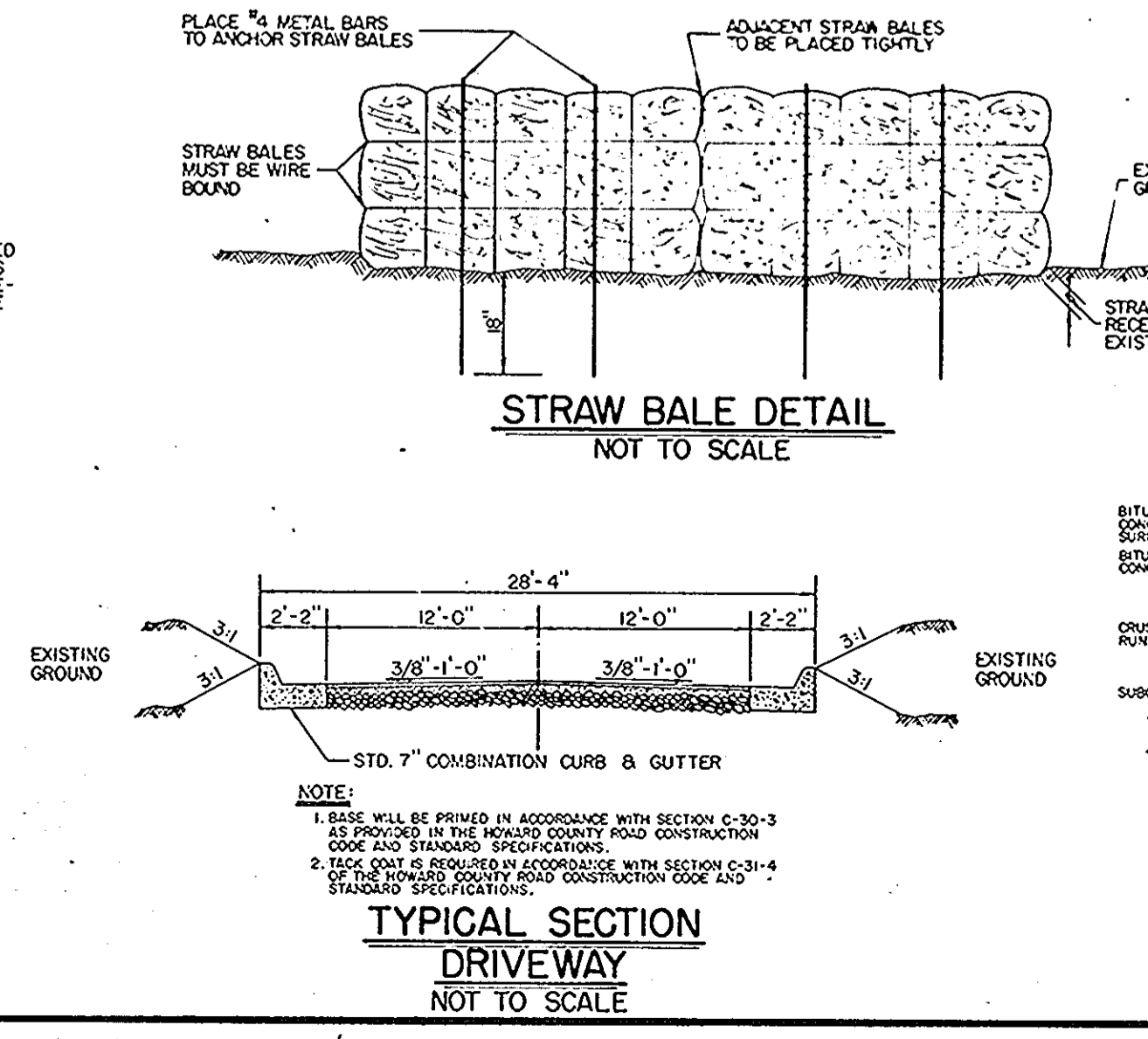
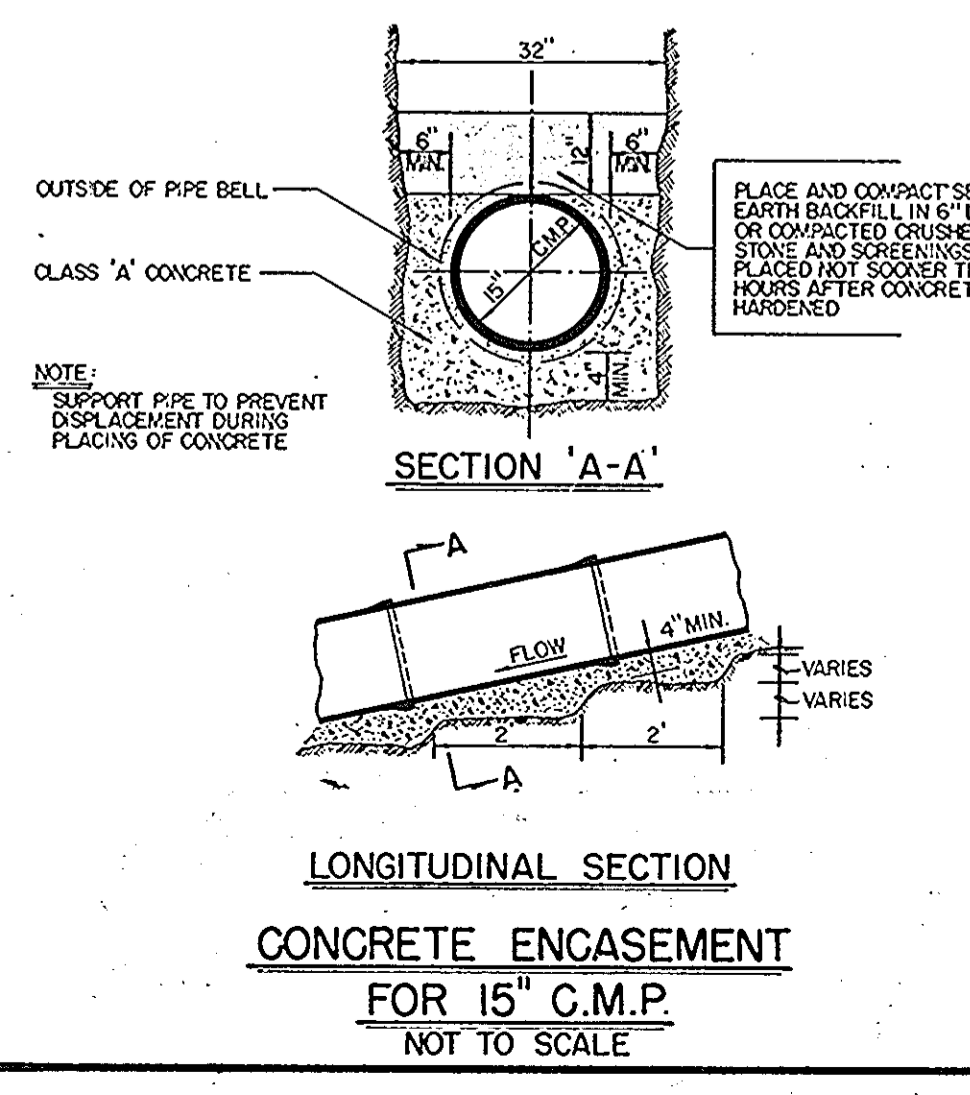
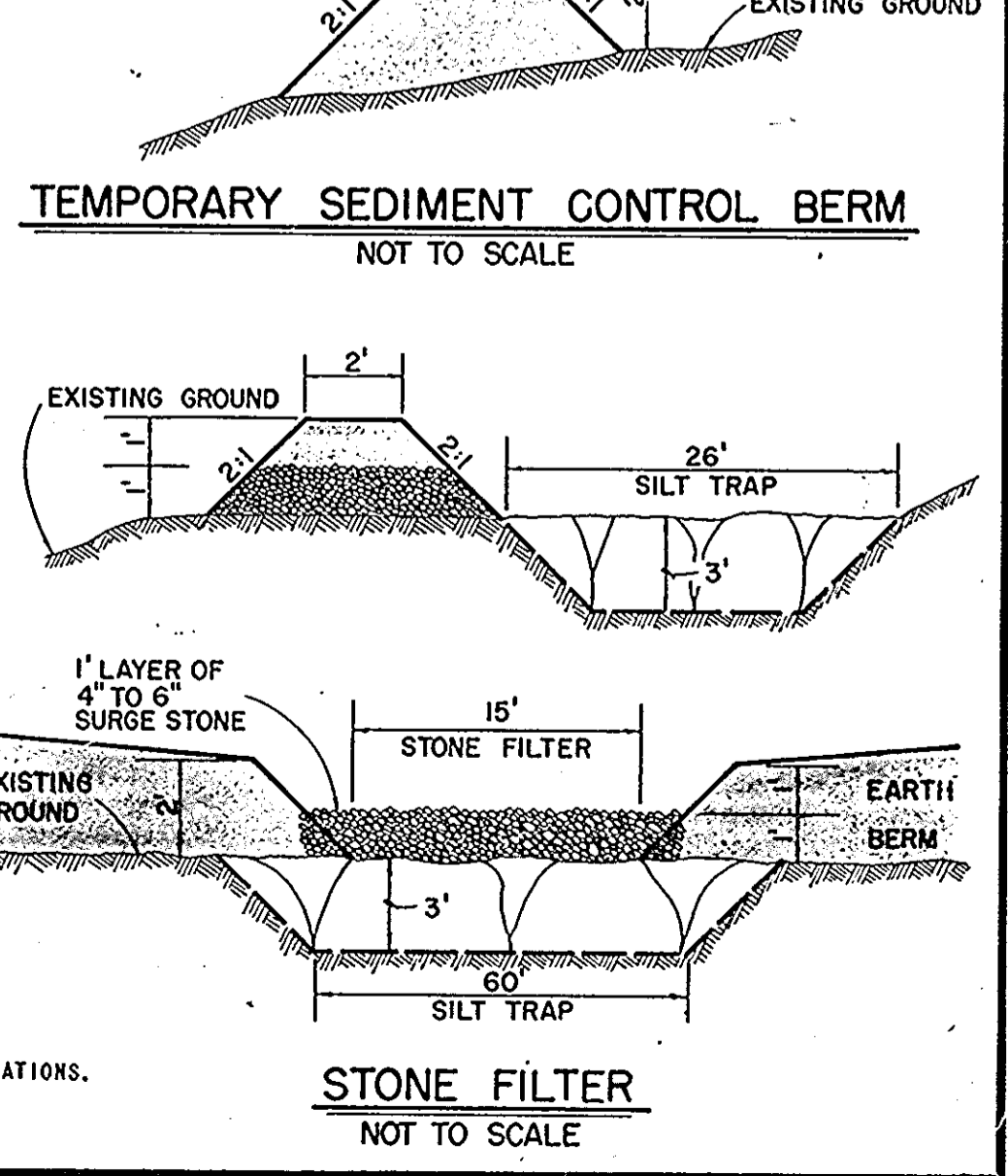
STRUCTURE SCHEDULE

NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-1	'S'	413.38	413.38	416.70	HOWARD COUNTY DRWG. D-98
I-2	'S'	414.23	414.23	417.20	HOWARD COUNTY DRWG. D-98
I-3	'S'	415.00	417.80	417.80	HOWARD COUNTY DRWG. D-98
I-26	'A-2'	388.50	392.58	---	HOWARD COUNTY DRWG. D-64A
I-30	DOUBLE 'S'	392.35	392.35	397.80	HOWARD COUNTY DRWG. D-99
I-33	DOUBLE 'S'	418.70	422.20	---	HOWARD COUNTY DRWG. D-99
MH-29A	'A'	372.56	371.17	377.00	HOWARD COUNTY DRWG. D-103
MH-31	'A'	405.24	401.58	412.00	HOWARD COUNTY DRWG. D-103
MH-32	'A'	418.04	417.84	422.95	HOWARD COUNTY DRWG. D-103
HW-25	'A'	383.00	---	---	HOWARD COUNTY DRWG. D-48
HW-29	'B'	371.04	---	---	HOWARD COUNTY DRWG. D-46



STORM DRAIN PROFILES
SCALE: HORIZONTAL 1"=20'
VERTICAL 1"=5'

- SEDIMENT CONTROL NOTES**
- THE DEVELOPER SHALL NOTIFY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION SHOWN HEREON.
 - SEDIMENT CONTROL MEASURES MUST BE INSTALLED AND STABILIZED PRIOR TO ANY GRADING OPERATIONS.
 - ALL AREAS DISTURBED BY GRADING OR CONTRACTOR'S OPERATIONS, NOT BEING PAVED SHALL BE TOPSOILED, SEEDED AND MULCHED IN ACCORDANCE WITH THE FOLLOWING:
 - PLACE 3" COMPACTED LAYER OF TOPSOIL TO FINISHED GRADE.
 - SPREAD 5-10-10 COMMERCIAL GRADE FERTILIZER AT THE RATE OF 30-40 LBS./1000 SQ. FT. AND IMMEDIATELY DISC INTO TOPSOIL TO A DEPTH OF 3".
 - SEED PREPARED AREAS AT THE RATE OF 2-3 LBS./1000 SQ. FT. USING SEED MIXTURE SPECIFIED BELOW:
 - KENTUCKY BLUEGRASS
 - 15-40% BERBER
 - 15-40% KENNELLE OR SOUTH DAKOTA (CERTIFIED)
 - 0-35% FALKING, PENNSTAR OR WINDSOR CREEPING RED FESCUE
 - 20-50% PENNLAWN OR ILLAKE
 - MULCH ALL AREAS IMMEDIATELY AFTER SEEDING WITH UNWEATHERED SMALL GRAIN STRAW OR HAY AT THE RATE OF 1.5 TONS/ACRE; SPRAY MULCH WITH ENULSIFIED ASPHALT AT THE RATE OF 0.4 GALS./SQ. YD.
 - SEDIMENT CONTROL MEASURES SHOWN ON PLAT PLAN ARE NOT TO BE REMOVED EXCEPT WITH PERMISSION OF HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 - NO SLOPES STEEPER THAN 2:1 SHALL BE CREATED.
 - STABILIZE ALL CUT AND FILL SLOPES FOR DIKES AND BASINS IMMEDIATELY AFTER CONSTRUCTION BY SEMI-PERMANENT VEGETATION AS SPECIFIED IN NOTE NO. 3 B, C, E USING KENTUCKY 31 TALL FESCUE AT THE RATE OF 1.37 LBS./1000 SQ. FT.
 - IN ALL DRAINAGE WAYS AND SMALES STEEPER THAN 3%, A LIGHT WEIGHT PLASTIC OR COTTON NETTING MUST BE STAPLED OVER MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - ALL STORM DRAINAGE INLETS TO BE TEMPORARILY CAPPED TO PREVENT ENTRY OF SEDIMENT CARRYING RUNOFF WATER.



HOWARD SOIL CONSERVATION DISTRICT
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
DATE: 9-23-74
APPROVED: [Signature] DATE: 9-23-74

DEVELOPER
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORITY PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.
DATE: 9/23/74

PROFESSIONAL ENGINEER
I CERTIFY THAT THIS PLAN FOR EROSION & 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.
DATE: 7-15-74

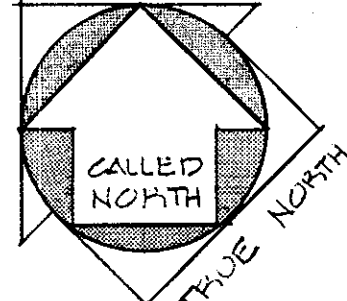
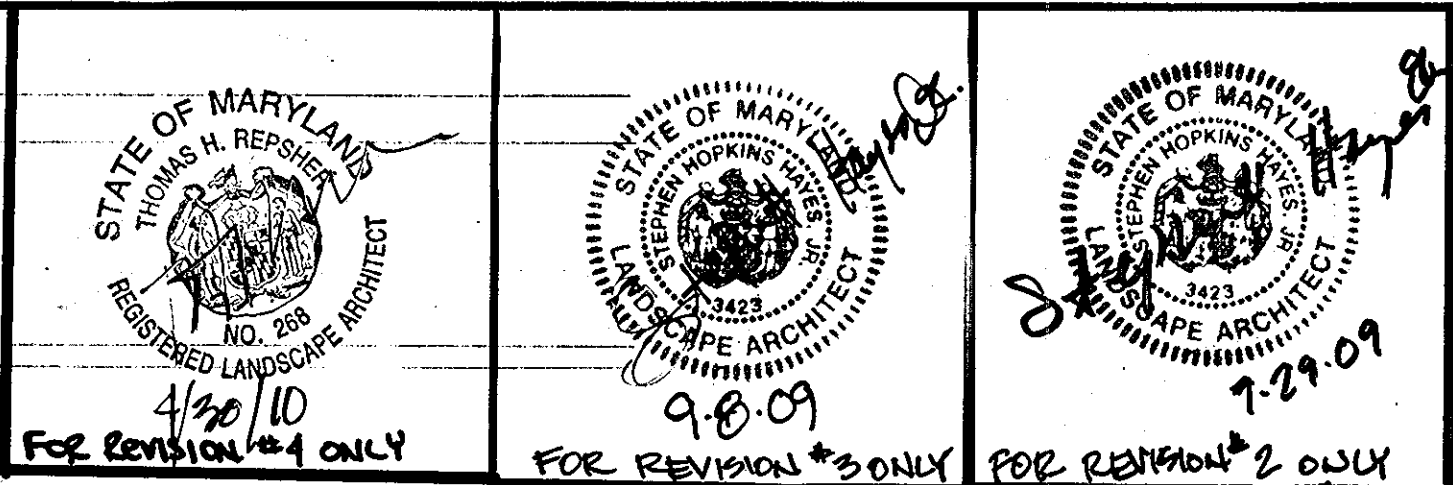
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DATE: 9/26/74
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
DATE: 10-2-74
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
DATE: 10/2/74

REVISIONS

NO.	DATE	DESCRIPTION
1	8-13-74	AS PER HOWARD COUNTY COMMENTS

[Professional Engineer Seal]
DATE: 7-15-74
REG. NO. 8182

HOWARD COUNTY OFFICE BUILDING II
COCHRAN, STEPHENSON & DONKORVOET INCORPORATED ARCHITECTS
925 NORTH CHARLES ST. BALTIMORE, MD. 21201
HENRY ADAMS, INC. MECH.-ELEC. ENGINEERS
401 WASHINGTON AVE. TOWSON, MD. 21284
PURDUM & JESCHKE LAND SURVEYORS - CIVIL ENGINEERS
1023 NORTH CALVERT ST. BALTIMORE, MD. 21202
STORM DRAIN PROFILE MISC. DETAILS AND NOTES
2nd ELECTION DISTRICT
TAX MAP 25 PARCEL 12
DRAWN: B. BURTON
DESIGN: R. BERICH
CHECK: M. JENKINS
SCALE: AS NOTED
DATE: JULY 15, 1974
SHEET NO. 4 OF 4

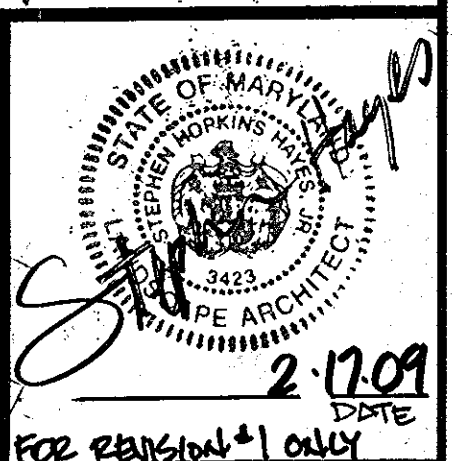


SCALE: 1" = 20.00'

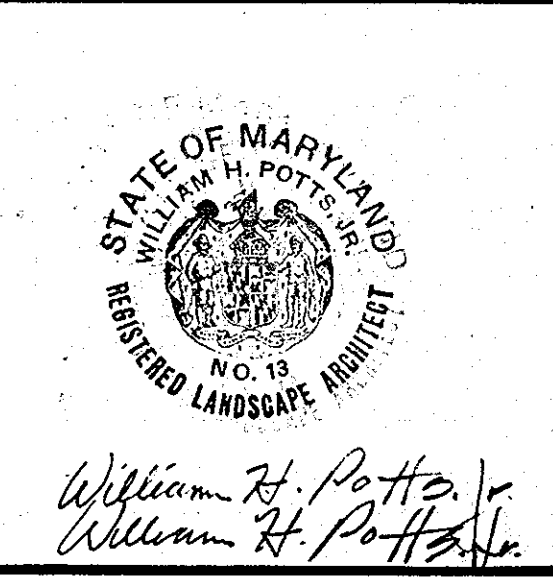
- AC = AMELANCHIER Serviceberry, 10-12' HT.
- AG = ANDROPOGON GERARDII Big Blue Stem, 3 gal
- CA = CERES CANADENSIS Eastern Redbud, 1 1/2"
- CS = HALEZIA TETRAPTERA Carolina Silverbell 2-2 1/2' cal, B&B
- HF = HYPERICUM FORRESTII St. Johnswort, 1 gal.
- M.V. = MAGNOLIA VIRGINIANA Sweetbay Magnolia 7-8' HT
- P.V. = PANICUM VEGATUM Switchgrass, 1 gal.
- T.V. = ITEA VIRGINICA Sweetspine 24"-30"

- A.R. = ACER RUBRUM Red Maple - 3"-3-1/2", B&B
- E.P. = ELAEAGNUS PUNGENS Evergreen Elaeagnus - 3'-4', B&B
- L.G. = LIRIOPE GRAMINIFOLIA Monkey Grass
- M.G. = ICTASYMIA GLYPTOSTROBOIDES Dawn Redwood - 4"-5", B&B
- P.S.P. = PRUNUS SUBHIRTELLA PENDULA Weeping Japanese Cherry - 2-1/2"-3", B&B
- S.J. = SOPHORA JAPONICA REGENT Regent Scholartree - 3-1/2"-4", B&B
- P.N. = PINUS NIGRA Austrian Pine - 5'-6", B&B
- F.S. = PINUS STROBUS White Pine - 12'-14", B&B
- P.T. = PINUS THUNBERGI Japanese Black Pine - 5'-6", B&B
- J.C.P. = JUNIPERUS CHINENSIS Pfitzer Juniper - 24"-30", B&B
- J.C. = JUNIPERUS COMPERTA Japanese Shore Juniper - 9"-12" cont.
- H.H. = HEDERA HELIX English Ivy - 3" pots
- S.B. = SALIX BABYLONICA Weeping Willow - 10'-12"
- P.T.R. = PARTHENOISSUS TRICUSPIDATA ROBUSTA Boston Ivy - 3" pots
- A.G.P. = ABELIA GRANDIFLORA PROSTRATA Prostrate Glossy Abelia - 18"-24", B&B
- J.N. = JASMINUM NUDFLORUM Winter Jasmine - 18"-24", B&B
- C.A. = OXYDENDRUM ARBOREUM Sourwood - 8'-10", B&B
- C.F. = CORNUS FLORIDA Flowering Dogwood - 6'-8", B&B
- I.A. = ILEX OPACA American Holly - 6'-8", B&B
- K.L. = KALMIA LATIFOLIA Mountain Laurel 24" B&B
- L.G. = ILEX GLABRA Inkberry Holly 8"-24" B&B

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE: 8/22/74
J.H.C.



NO.	DATE	DESCRIPTION
1	1/27/74	ISSUED & CARRIED LIAISON REVISIONS PER PERIOD 6/28/74
2	4/16/74	ISSUED & CARRIED LIAISON REVISIONS PER PERIOD 4/16/74
3	8/22/74	ISSUED & CARRIED LIAISON REVISIONS PER PERIOD 8/22/74



HOWARD COUNTY OFFICE BUILDING - II

COCHRAN, STEPHENSON & DONKERVOLT INCORPORATED ARCHITECTS
925 NORTH CHARLES ST. BALTIMORE, MD. 21201

HENRY ADAMS, INC. MECH. - ELEC. ENGINEERS
401 WASHINGTON AVE. TOWSON, MD. 21284

CARROLL ENGINEERING, INC. CONSULTING STRUCTURAL ENGINEER
800 NORTH CHARLES ST. BALTIMORE, MD. 21201

REVISIONED LANDSCAPING PLAN

PROJ. NO. 7307 DEPARTMENT OF PUBLIC WORKS
DRAWING NUMBER: **GC 0102**

DATE: AUG 13 1974
SCALE: 1" = 20.00'
DRAWN BY: REM
SHEET 1 OF 1

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
W. G. Oster - 9/20/74
DIRECTOR

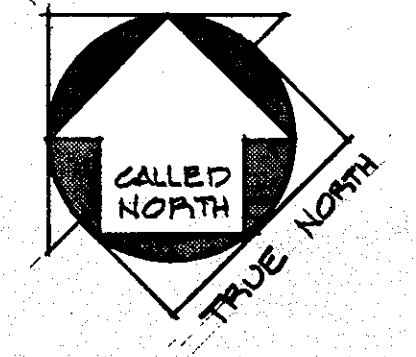
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas H. Repsher, Jr. - 10/27/74
PLANNING DIRECTOR

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
John A. Claverton - 10/16/74
COUNTY HEALTH OFFICER

COURT HOUSE DRIVE

SPECIFICATIONS - ELECTRICAL

- All work shall be in accordance with the N.E.C.
- Exact location of all lighting fixtures shall be staked out or marked and approved by Engineer prior to proceeding with the installation.
- All lighting fixtures Type C & D shall match existing; therefore, no alternative fixtures shall be considered.
- Lighting fixtures shall be as follows:
 Type A: Not used in this phase.
 Type B: Not used in this phase.
 Type C: Moldcast Cat. No. 3155-120V-CT-Dark Bronze Duranoffic with E-18, 250 watt high pressure sodium lamp. Pole height shall be 14'.
 Type D: Moldcast Cat. No. 3185-120V-RG-BT with 100 watt #23 mercury vapor lamp H30-4LL. Concrete base shall be 12" square, 2" deep and shall be flush with grade.
 Type F: recessed spotlight with prismatic lens with two 75 watt lamps, bronze face plate and 50,000 hour lamp life, Moldcast Cat. No. V-394 Bronze.
 Type G: Sealed beam floodlight with 300 watt PAR 56 medium floodlight, Moldcast Cat. No. MA-156.



SCALE: 1" = 20.00'



FOR REVISION #3 ONLY

- TYPE J: EVERGEN SE -20, SINGLE LIGHT BAR, 20 HIGH INTENSITY LIGHT EMITTING DIODES (LEDS) W/ NANO OPTIC SECONDARY OPTICS, DIRECT MOUNT FIXTURE; POLE HEIGHT SHALL BE 20'
- TYPE K: BETA LED BOLLARD, ELD-R50H-T3-NA, T-3 OPTICS BLACK 18W HIGH BRIGHTNESS, COOL WHITE, 6000K, MIN T3 CE, LONG LIFE LED SOURCES
- TYPE L: BETA LED AREA LIGHT, ELD-ARE-20-AR, BLACK POLE HEIGHT SHALL BE 20'

PROPOSED HOWARD COUNTY OFFICE BUILDING II

COUNTY OFFICE BUILDING

COUNTY OFFICE BUILDING

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 DIRECTOR: [Signature] DATE: 9/26/17
 CHIEF, BUREAU OF HIGHWAYS

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
 PLANNING DIRECTOR: [Signature] DATE: 10/1/17
 CHIEF, DIVISION OF PLANNING AND TRANSPORTATION PLANNING

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER: [Signature] DATE: 10/1/17

NOTES

- See Floor Plans for lights mounted in soffits or on building.
- Branch circuit wiring will be indicated prior to completion of final design for bidding.

7-29-07
FOR REVISION #2 ONLY

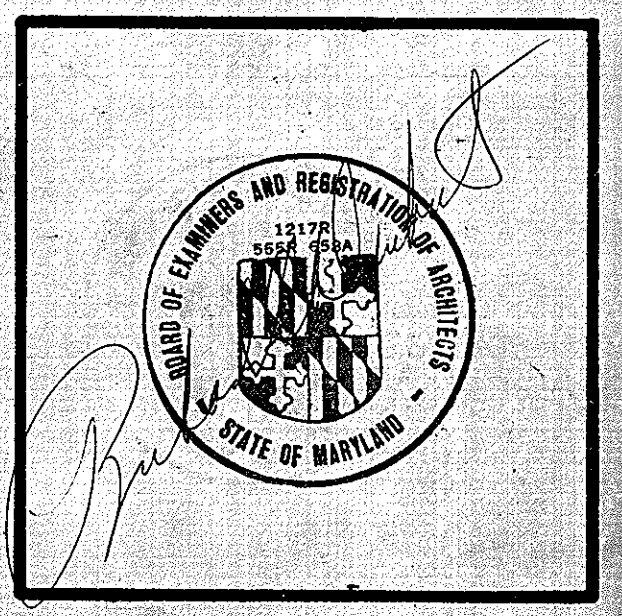
9-08-07
FOR REVISION #3 ONLY

2/17/07
DATE

FOR REVISION #1 ONLY

NO	DATE	DESCRIPTION
1	1/22/09	HOWARD & CARROLL LIGHT REVISIONS PER PROCEED CORRECTION WORK, DIMENSIONS, TAD PLANS, INTERIOR LIGHTING
2	6/14/09	REMOVED HOOKED BODIES, 5' BOLLARD
3	8/20/09	ADDED TOWER COMPOUND ADJACENT TO LEGAL BLDG.

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE: 8/22/17
 [Signature]



HOWARD COUNTY OFFICE BUILDING II

COCHRAN, STEPHENSON & DONKERVOST ARCHITECTS
 INCORPORATED
 928 NORTH CHARLES ST. BALTIMORE, MD. 21201

HENRY ADAMS, INC.
 MECH. - ELEC. ENGINEERS
 401 WASHINGTON AVE. TOWSON, MD. 21284

CARROLL ENGINEERING, INC.
 CONSULTING STRUCTURAL ENGINEER
 400 NORTH CHARLES ST. BALTIMORE, MD. 21201

REVISED SITE PLAN ELECTRICAL

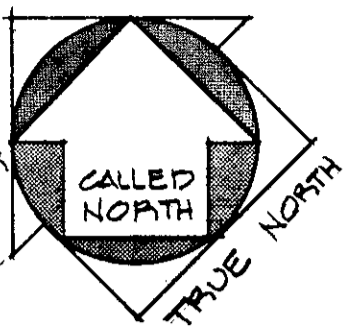
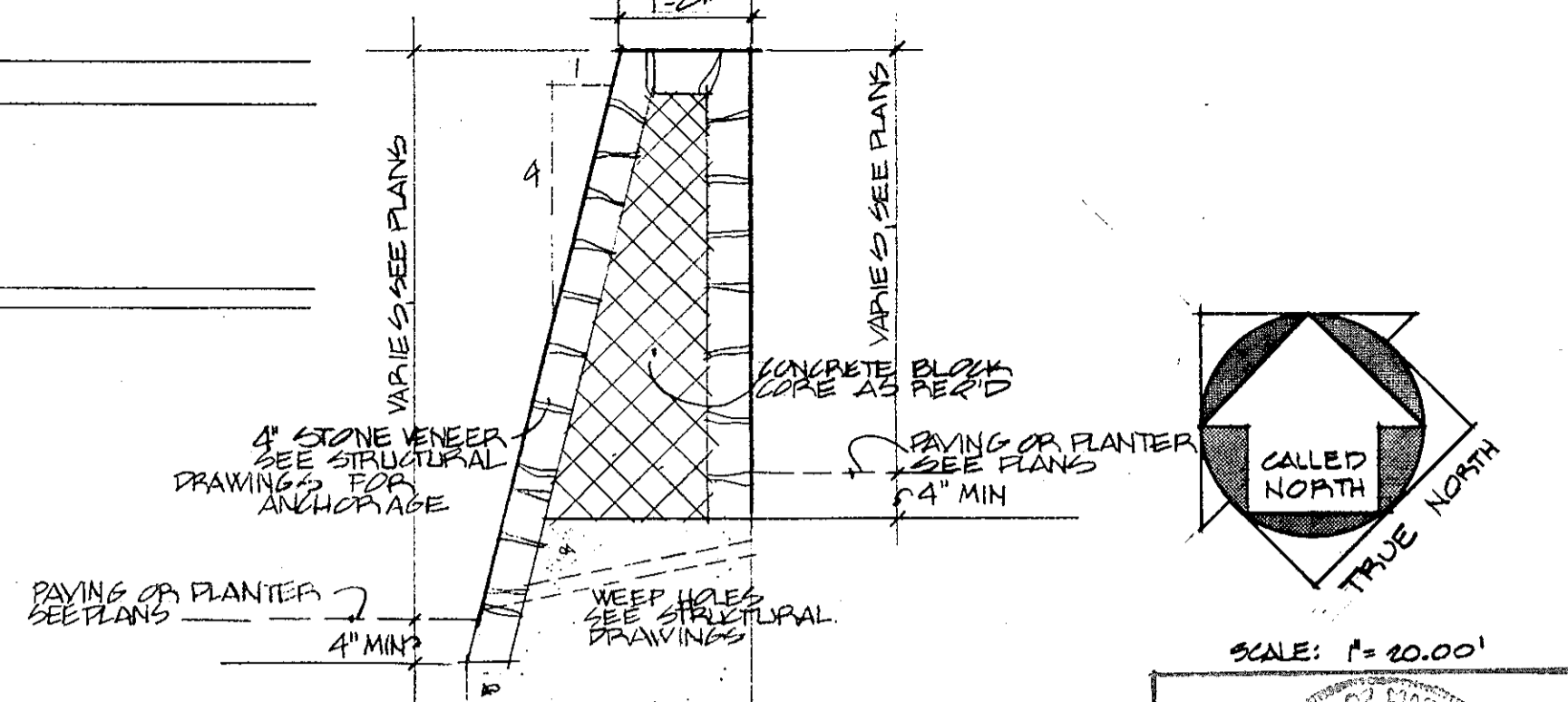
PROJ. NO. 7307
 DEPARTMENT OF PUBLIC WORKS
 DRAWING NUMBER: GC 0102
 DATE: 10/1/17
 SCALE: 21.01
 DRAWN BY: [Signature]

COURT HOUSE DRIVE

EXISTING ACCESS ROAD

HOWARD COUNTY OFFICE BUILDING II

EXISTING HOWARD COUNTY OFFICE BUILDING



SCALE: 1" = 20.00'



FOR REVISION #3 ONLY

FOR REVISION #2 ONLY

- GENERAL NOTES:
- Where new construction is indicated to abut existing conditions, the contractor shall adjust such new construction to meet similar existing conditions in a continuous manner with no abrupt changes in elevations, dimensions or directions.
 - Bearings of exterior walls and edges of paving areas follows:
 - A parallel to line "A" perpendicular to line "A"
 - B 45° east of line "A"
 - C 45° west of line "A"
 - D parallel to line "B" perpendicular to line "B"
 - E 30° west of line "B"

3. TOP OF WALL (T.W.) ELEVATIONS SHALL BE LOCATED AT POINTS OF CHANGES IN DIRECTION VERTICAL AND/OR HORIZONTAL AND AT ENDS OF WALLS. TOP EDGE OF WALL SHALL BE A STRAIGHT LINE BETWEEN ANY TWO CONSECUTIVE SUCH ELEVATIONS.

4. --- INDICATES CRITICAL ALIGNMENT OF WALLS, WALKS, PLANTER EDGES, ETC.

FOR REVISION #1 ONLY

NO.	DATE	DESCRIPTION
1	1/21/07	REVISED & CANCELLED LINES REVISIONS FOR PROPOSED CARS&S PLAZA, ENTRANCES, UNDERGROUND TUNNEL, FORWARD PROPOSED SIDEWALK, ROAD, ACCESS, GEN. PAD
2	4/14/07	ADDED POWER COMPARTMENTS ADJACENT TO UNDER TUNNEL
3	8/20/07	ADDED POWER COMPARTMENTS ADJACENT TO UNDER TUNNEL
4	3/26/08	ADDED PLAZA NOTE

8/22/04
J. Adams



HOWARD COUNTY OFFICE BUILDING II

COCHRAN, STEPHENSON & DONKERVOET INCORPORATED ARCHITECTS
925 NORTH CHARLES ST. BALTIMORE, MD. 21201

HENRY ADAMS, INC. MECH. - ELEC. ENGINEERS
401 WASHINGTON AVE. TOWSON, MD. 21284

CARROLL ENGINEERING, INC. CONSULTING STRUCTURAL ENGINEER
401 NORTH CHARLES ST. BALTIMORE, MD. 21201

REVISED SIDEWALK PLAN

HOWARD COUNTY, MARYLAND
PROJECT GC 0102
PROJ. NO. 7307
DATE: _____
SCALE: _____
DRAWN BY: _____

SDP-75-04 SHEET 1 OF 1

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
W. Adams 9/30/07
DIRECTOR DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
D. Adams 10-2-07
PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
C. Adams 10/11/07
COUNTY HEALTH OFFICER DATE

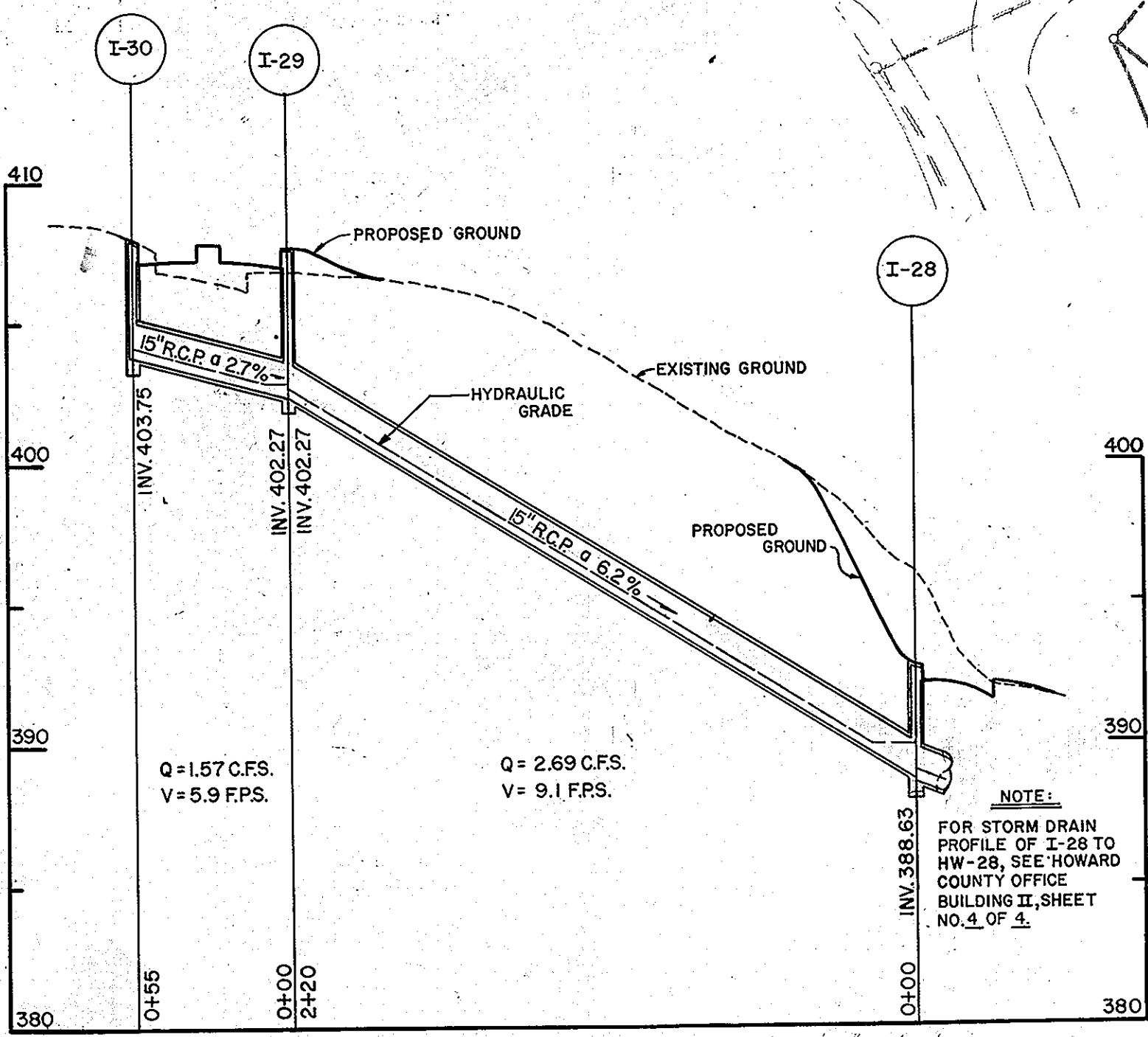
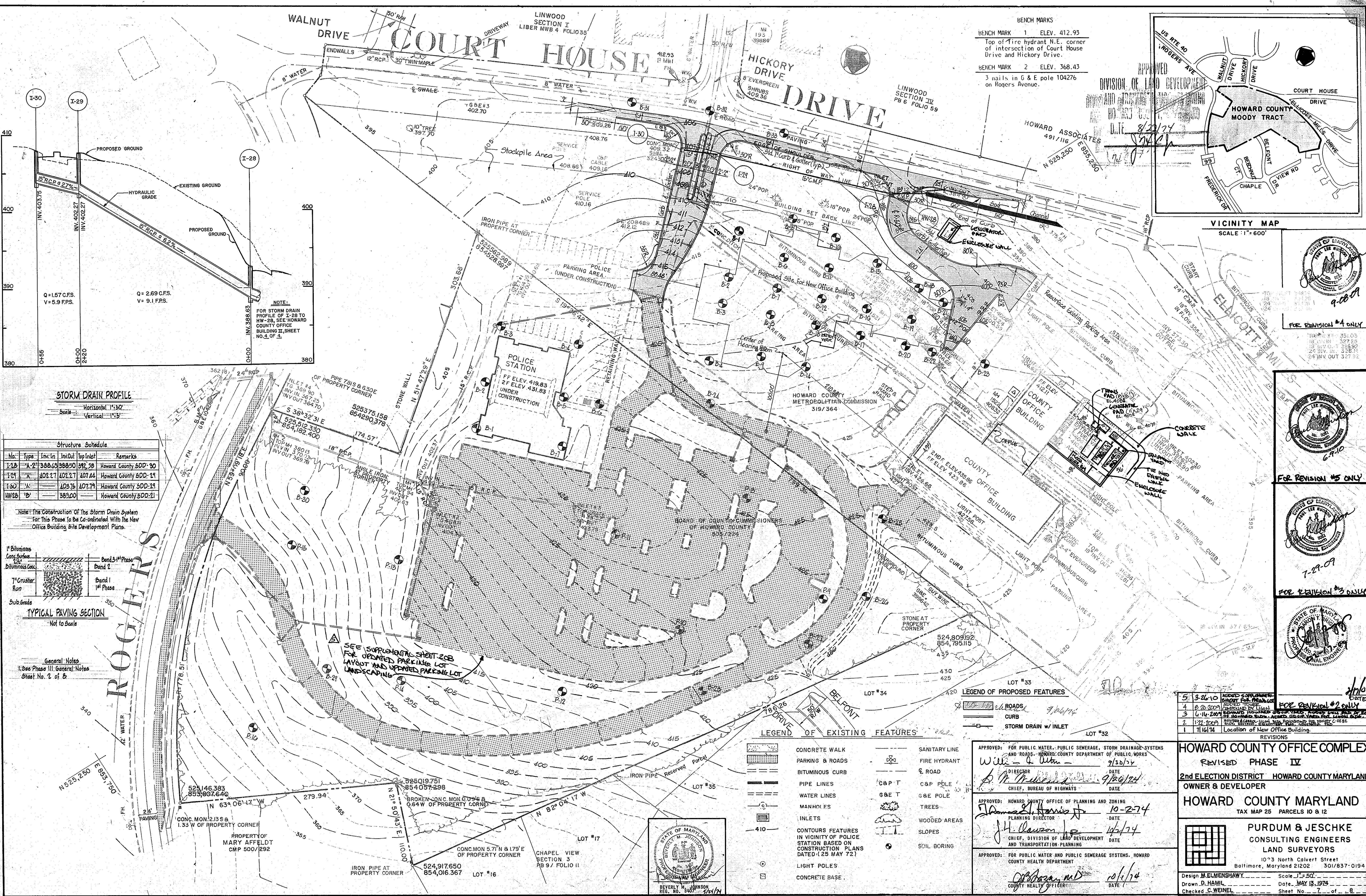
NOTE: THIS BEARING TO BE USED AS THE REFERENCE LINE FOR LOCATING EXTERIOR WALLS & PLANTER EDGES, A TRIPWIRE

NOTE: FRONT TOP EDGE LINES LIP WITH EXISTING ENTRANCE WALL

NOTE: THIS BEARING TO BE USED AS THE REFERENCE LINE FOR LOCATING EXTERIOR WALLS & PLANTER EDGES, A TRIPWIRE

EXISTING WALK
EXISTING PAVING

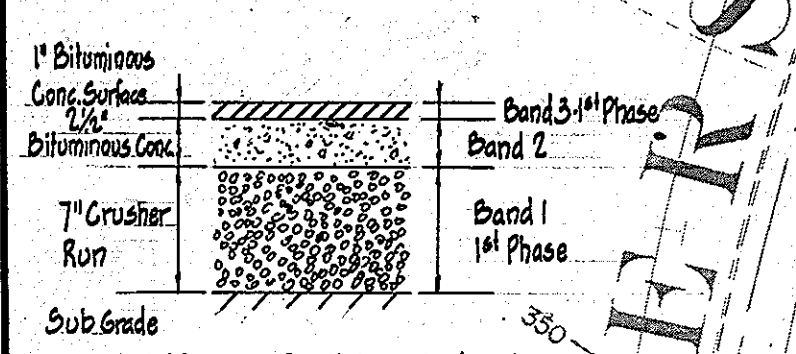
17 of 20



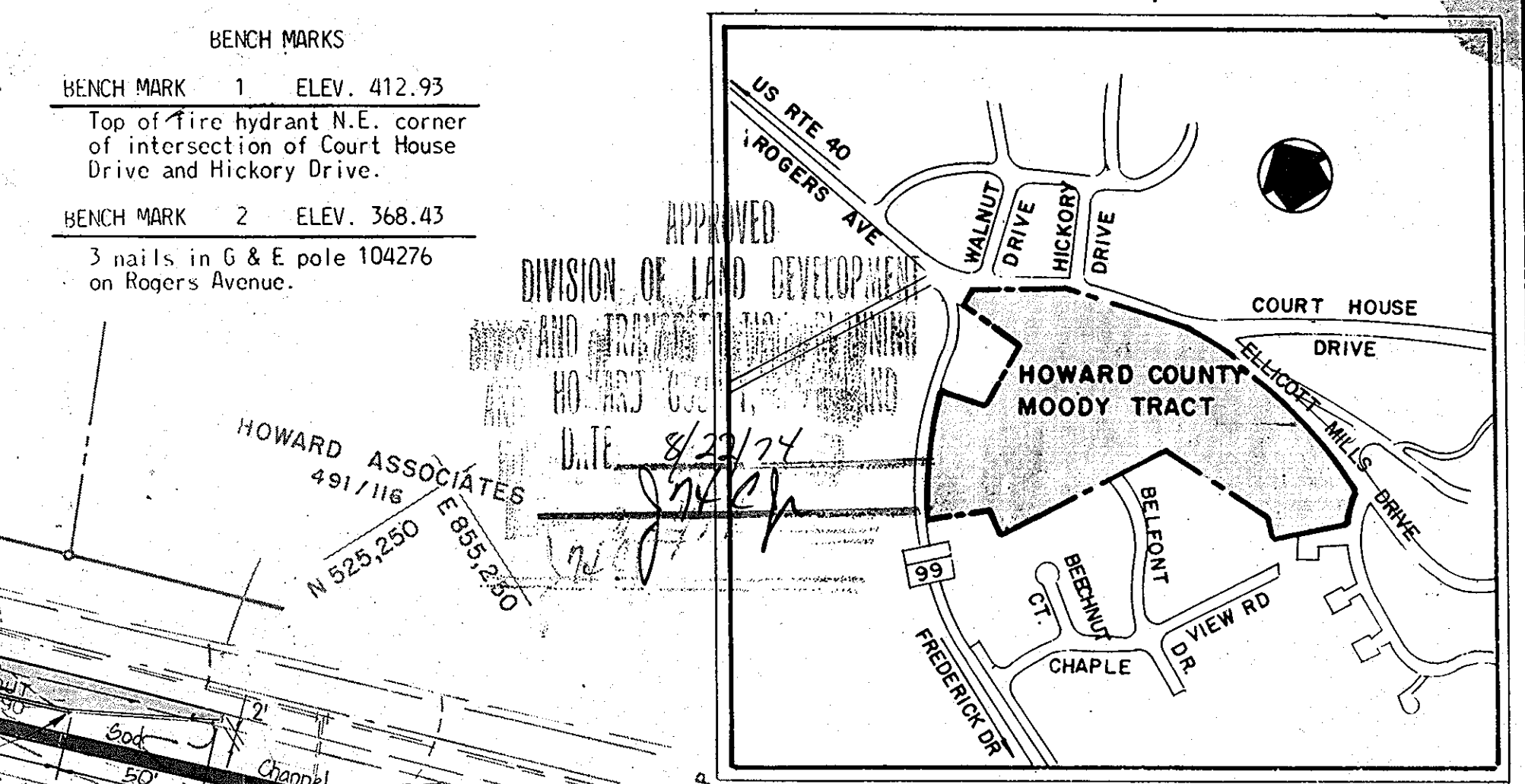
STORM DRAIN PROFILE
Horizontal: 1"=50'
Vertical: 1"=5'

No.	Type	Inv. In	Inv. Out	Top Inlet	Remarks
1-2	A-2	388.63	388.50	382.58	Howard County SDD: 20
1-4	K	402.27	402.27	407.44	Howard County SDD: 24
1-5	A	403.78	407.79		Howard County SDD: 24
HW-28	D	383.00			Howard County SDD: 21

Note: The Construction of the Storm Drain System for this Phase is to be Co-ordinated with the New Office Building Site Development Plans.



General Notes:
1. See Phase III General Notes Sheet No. 2 of 2.



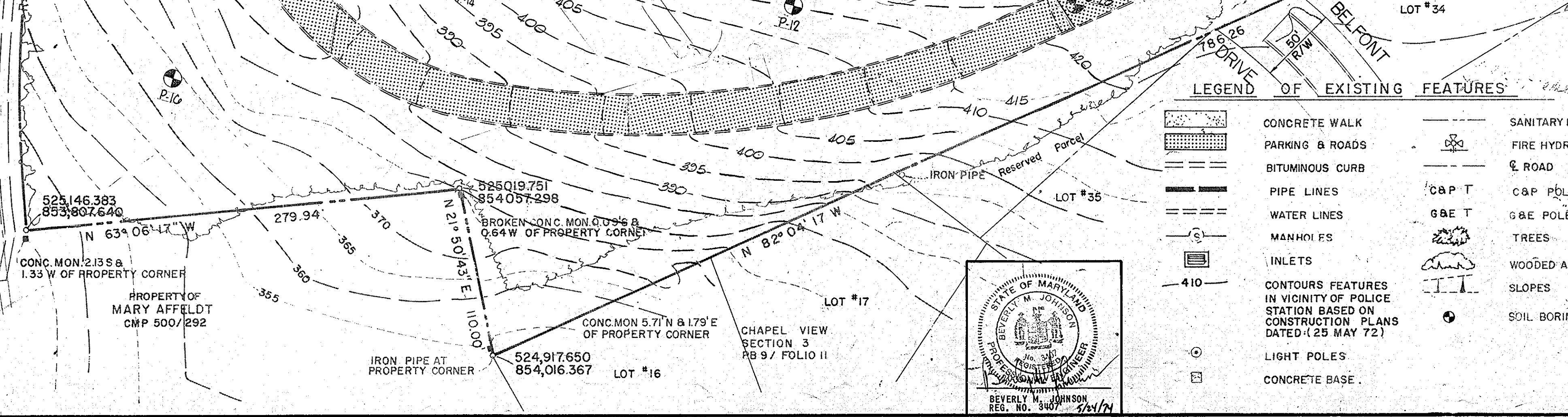
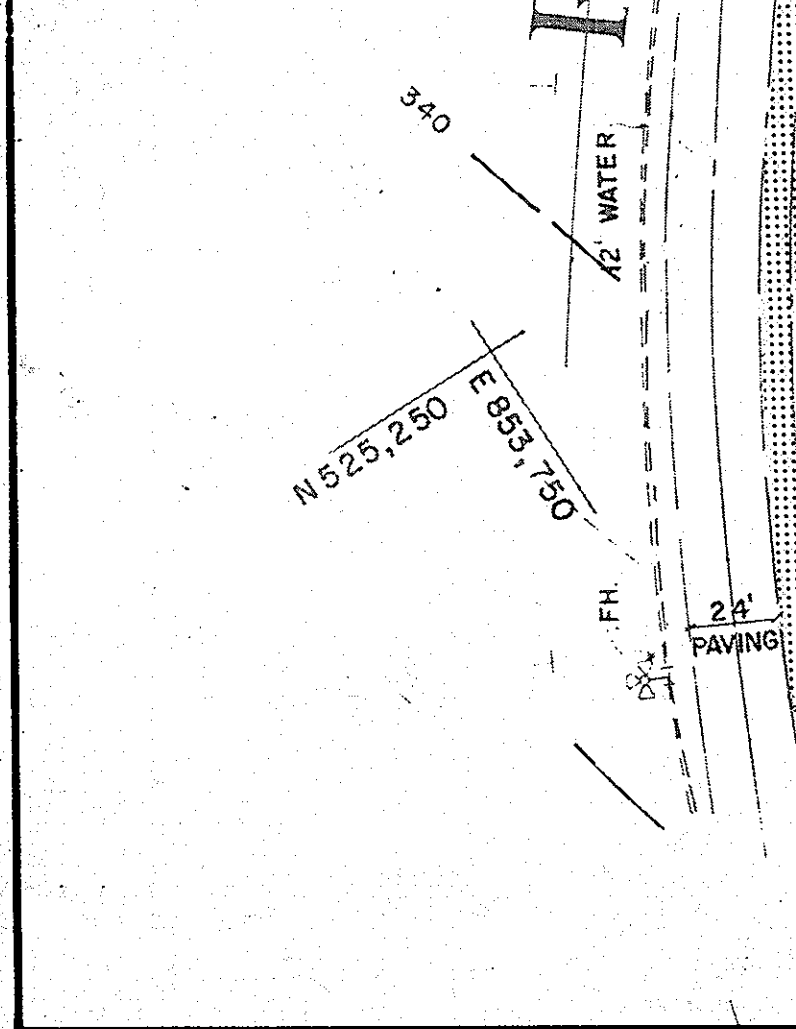
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

W. L. Wilson - 9/30/24
DIRECTOR

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR
J. H. Lawson - 10-2-24
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE: 10/1/24

FOR REVISION #4 ONLY



FOR REVISION #5 ONLY

FOR REVISION #3 ONLY

FOR REVISION #2 ONLY

REVISIONS

No.	Date	Description
5	3/26/10	ROAD SUPPLEMENTAL SHEET FOR PHASE III
4	8/20/20	REVISION #1
3	4/14/20	HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
2	1/22/10	HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
1	7/16/14	Location of New Office Building

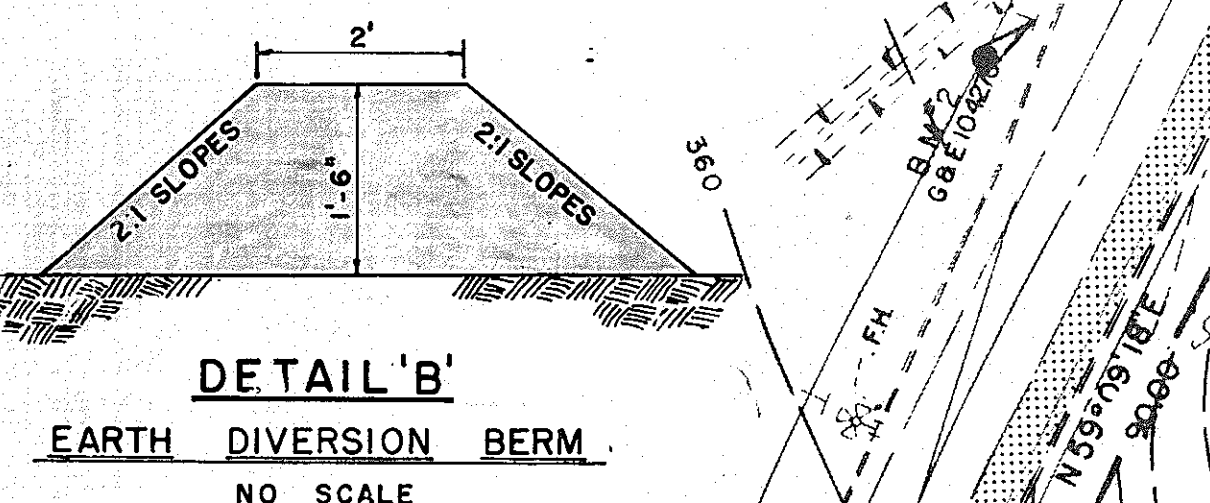
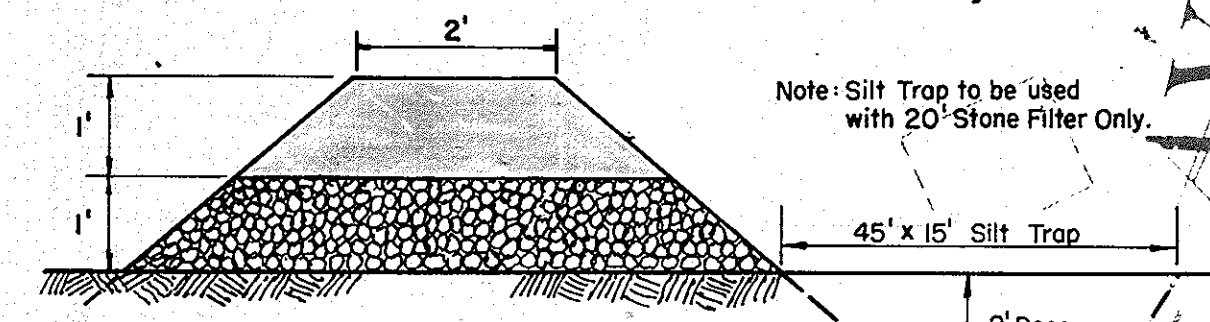
HOWARD COUNTY OFFICE COMPLEX
REVISED PHASE IV
2nd ELECTION DISTRICT HOWARD COUNTY MARYLAND
OWNER & DEVELOPER

HOWARD COUNTY MARYLAND
TAX MAP 25 PARCELS 10 & 12

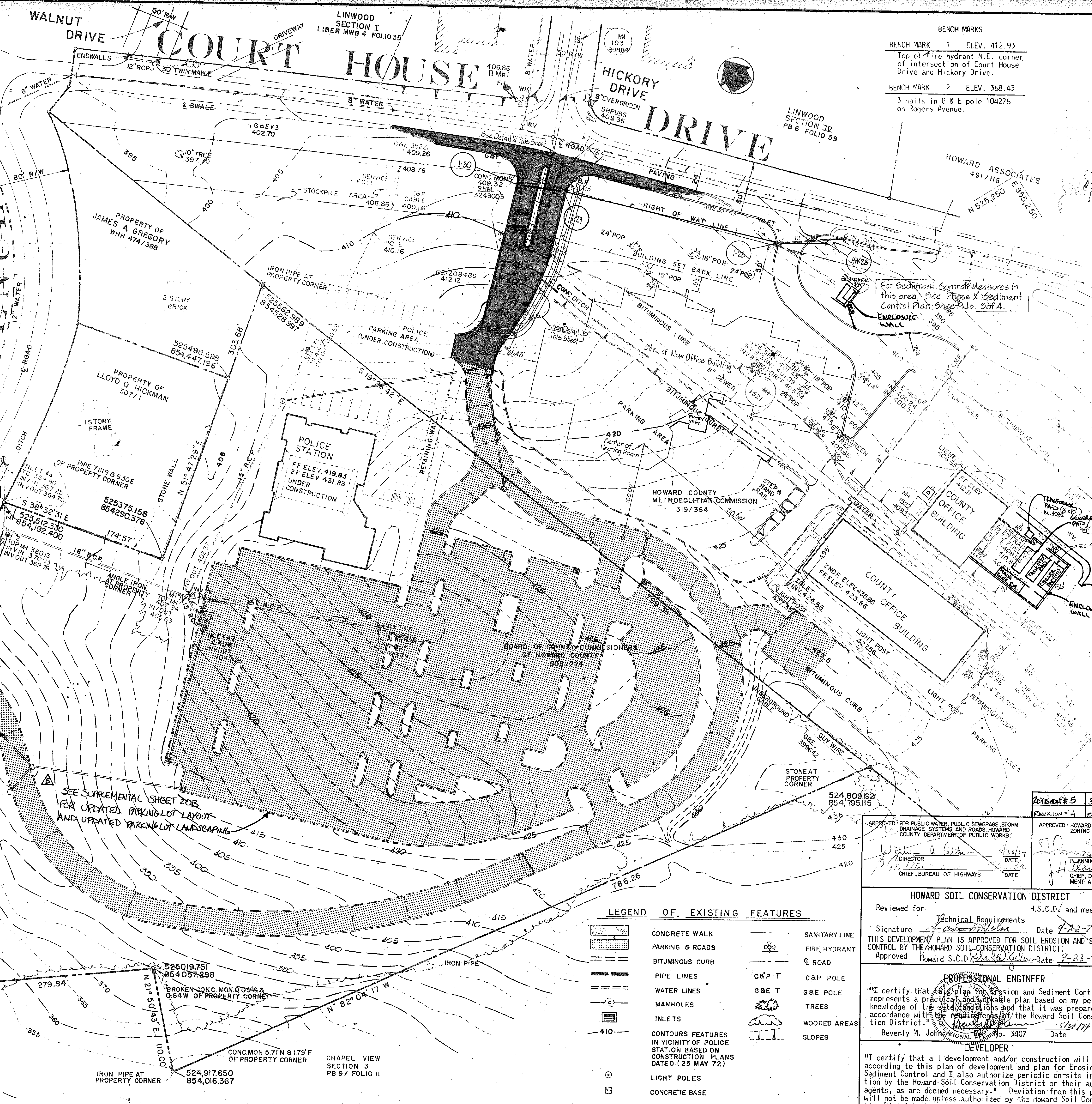
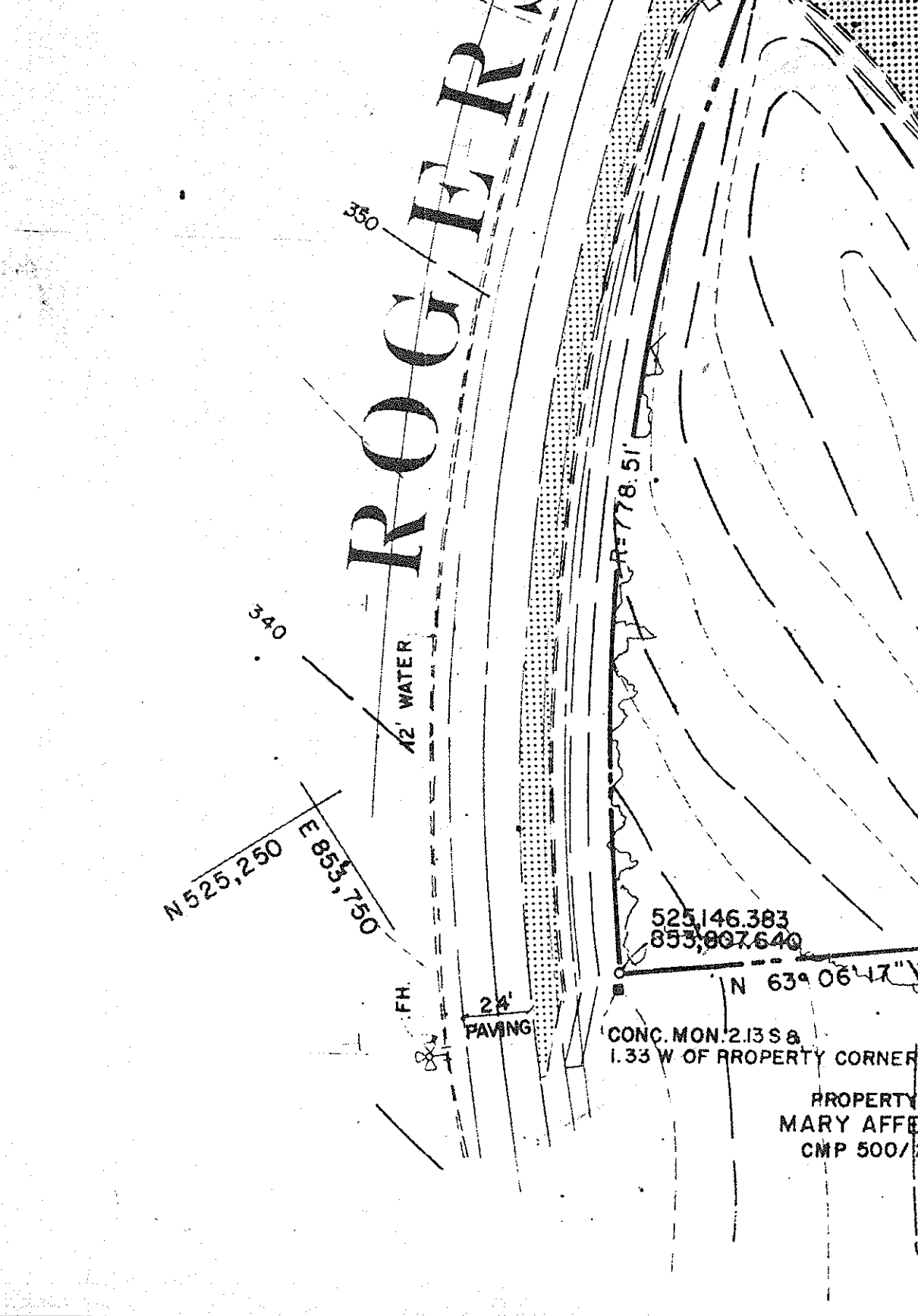
PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS
1073 North Calvert Street
Baltimore, Maryland 21202 301/837-0194

Design: M. ELMENSHAWY Scale: 1"=50'
Drawn: D. HAMIL Date: MAY 13, 1974
Checked: C. WEINEL Sheet No. 7 of 8

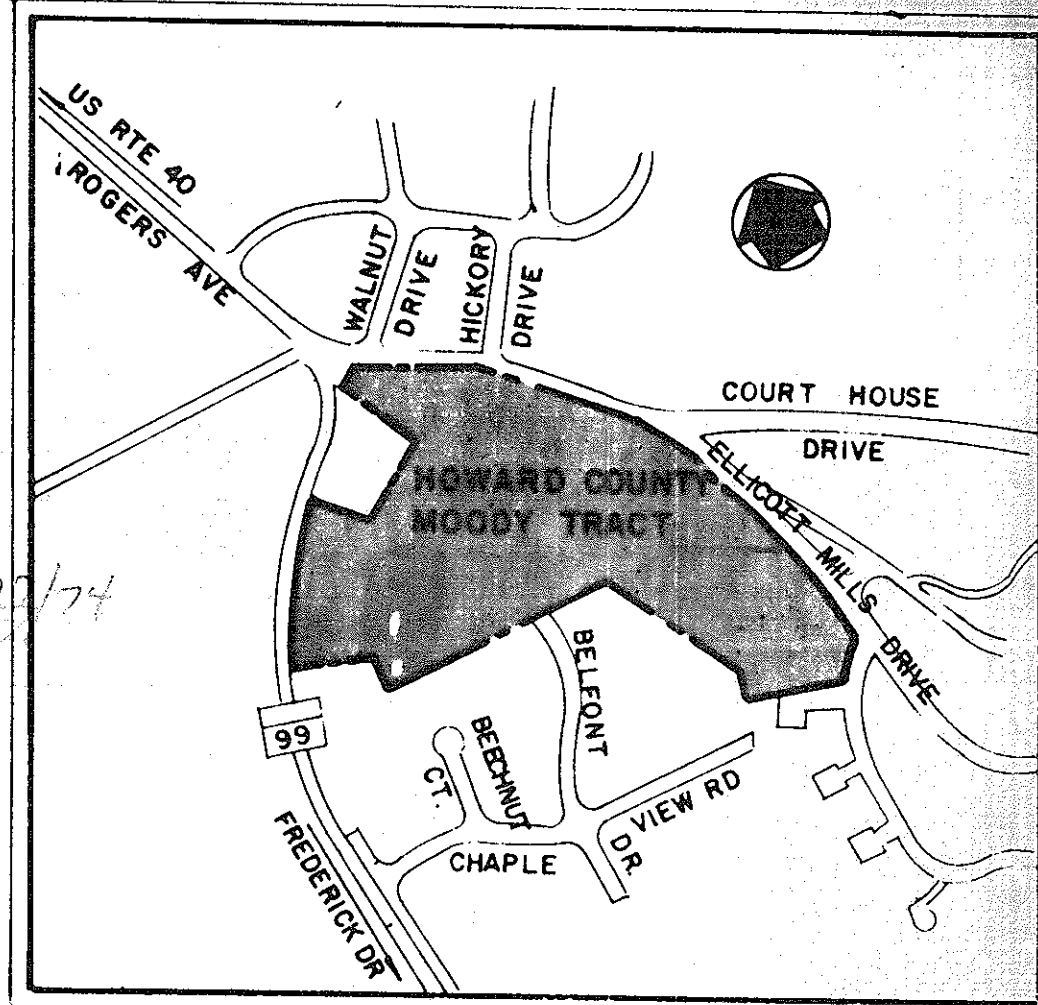
- THE DEVELOPER SHALL NOTIFY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AT LEAST 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HEREON.
- SEDIMENT CONTROL MEASURES MUST BE INSTALLED AND STABILIZED PRIOR TO ANY GRADING OPERATIONS.
- ALL AREAS DISTURBED BY GRADING OR CONTRACTOR'S OPERATIONS, NOT BEING PAVED, SHALL BE TOPSOILED, SEEDED AND MULCHED IN ACCORDANCE WITH THE FOLLOWING:
 - PLACE 3" COMPACTED LAYERS OF TOPSOIL TO FINISHED GRADE.
 - SPREAD PULVERIZED DOLOMITIC LIMESTONE AT THE RATE OF ONE TON PER ACRE.
 - SPREAD 5-10-10 COMMERCIAL GRADE FERTILIZER AT THE RATE OF 1000 LBS/ACRE AND IMMEDIATELY DISC INTO TOPSOIL TO A DEPTH OF 3".
 - SEED PREPARED AREAS AT THE RATE OF 200 LBS/ACRE USING KENTUCKY FESCUE No. 31.
 - MULCH ALL AREAS IMMEDIATELY AFTER SEEDING WITH UNWEATHERED SMALL GRAIN, STRAW OR HAY AT THE RATE OF 1.5 TONS/ACRE, SPRAY MULCH WITH EMULSIFIED ASPHALT AT THE RATE OF 0.24 GALS/50 YD.
- SEDIMENT CONTROL MEASURES SHOWN ON PLOT PLAN ARE NOT TO BE REMOVED EXCEPT WITH PERMISSION OF SOIL CONSERVATION DISTRICT.
- NO SLOPES STEEPER THAN 2:1 SHALL BE CREATED.
- STABILIZE ALL CUTS AND FILLS SLOPES AND DIKES AND BASIN IMMEDIATELY AFTER CONSTRUCTION BY SEMI-PERMANENT VEGETATION AS SPECIFIED IN NOTE 3 THIS SHEET.
- IN ALL DRAINAGE WAYS AND SWALES STEEPER THAN 3%, A LIGHT WEIGHT PLASTIC OR GUTTON NETTING MUST BE STAPLED OVER MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATION.



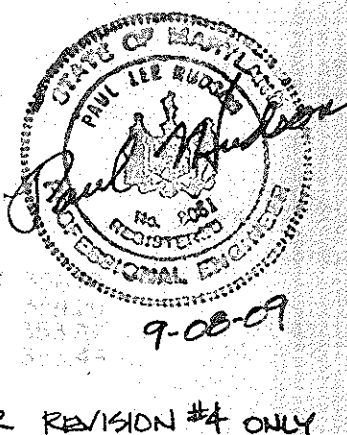
PHASES OF CONSTRUCTION
 PHASE 1 - ROUGH GRADING AND CONSTRUCTION OF SEDIMENT CONTROL BERMS.
 PHASE 2 - FINAL GRADING AND ESTABLISHMENT OF VEGETATIVE COVER.
 PHASE 3 - MAINTENANCE



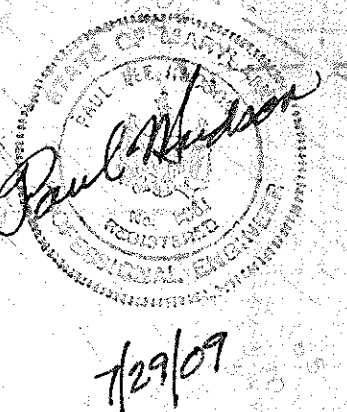
BENCH MARKS
 BENCH MARK 1 ELEV. 412.93
 Top of Fire Hydrant N.E. corner of intersection of Court House Drive and Hickory Drive.
 BENCH MARK 2 ELEV. 368.43
 3 nails in G & E pole 104276 on Rogers Avenue.



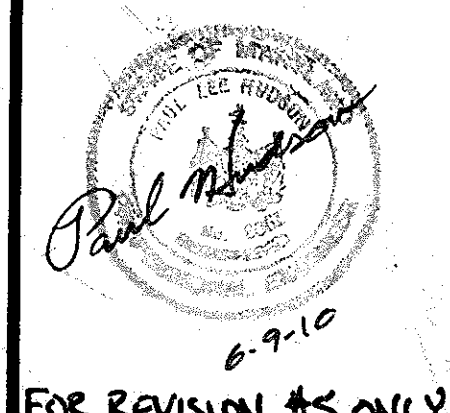
VICINITY MAP
SCALE 1" = 600'



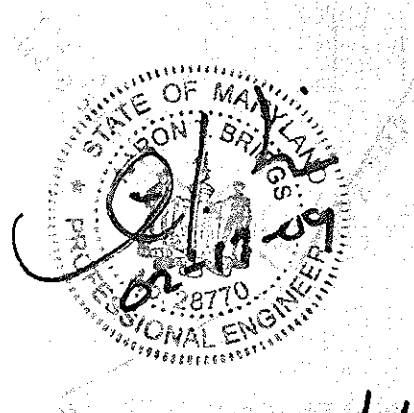
FOR REVISION #4 ONLY



FOR REVISION #3 ONLY



FOR REVISION #5 ONLY



FOR REVISION #2 ONLY

REVISION #5	3-26-10	ADDED SUPPLEMENTAL SHEET FOR PARKING LOT.
REVISION #4	2-20-2009	ADDED TOWER COMPOUND BY LEGAL.

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] DATE 9/23/09
 CHIEF, BUREAU OF HIGHWAYS

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 [Signature] DATE 10/27/09
 PLANNING DIRECTOR
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] DATE 10/15/09
 COUNTY HEALTH OFFICER

LEGEND OF EXISTING FEATURES

[Symbol]	CONCRETE WALK	[Symbol]	SANITARY LINE
[Symbol]	PARKING & ROADS	[Symbol]	FIRE HYDRANT
[Symbol]	BITUMINOUS CURB	[Symbol]	E ROAD
[Symbol]	PIPE LINES	[Symbol]	C&P T
[Symbol]	WATER LINES	[Symbol]	G&E T
[Symbol]	MANHOLES	[Symbol]	G&E POLE
[Symbol]	INLETS	[Symbol]	TREES
[Symbol]	CONTOURS FEATURES IN VICINITY OF POLICE STATION BASED ON CONSTRUCTION PLANS DATED 125 MAY 72)	[Symbol]	WOODED AREAS
[Symbol]	LIGHT POLES	[Symbol]	SLOPES
[Symbol]	CONCRETE BASE		

HOWARD SOIL CONSERVATION DISTRICT
 Reviewed for Technical Requirements H.S.C.D. and meets
 Signature [Signature] Date 9-23-09
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved Howard S.C.D. [Signature] Date 9-23-09

PROFESSIONAL ENGINEER
 [Signature] No. 3407 Date 5/24/14
 Beverly M. Johnson

DEVELOPER
 "I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary." Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
 By: [Signature] Date

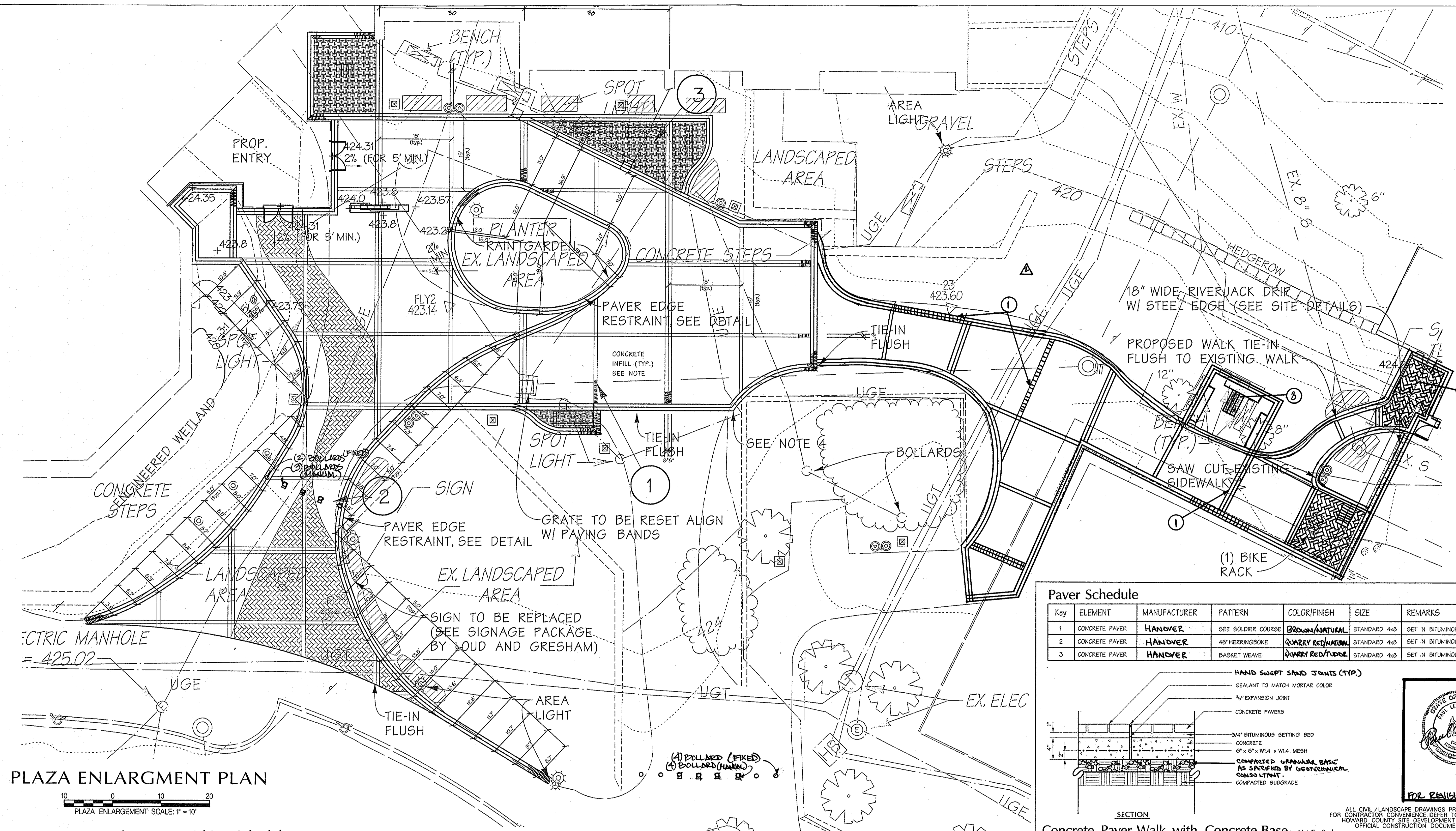
3 6-14-09 REVISIONS REQUIRED FOR THIS PROJECT
 2 1-22-2009 REVISIONS REQUIRED FOR LOCAL ORDINANCE PER PARCEL C-0282
 1 7/16/74 LOCATION OF NEW OFFICE BUILDING

HOWARD COUNTY OFFICE COMPLEX
 RENISED PHASE IV
 SEDIMENT CONTROL PLAN
 2nd ELECTION DISTRICT HOWARD COUNTY MARYLAND
 OWNER & DEVELOPER

HOWARD COUNTY MARYLAND
 TAX MAP 25 PARCELS 10 & 12

PURDUM & JESCHKE
 CONSULTING ENGINEERS
 LAND SURVEYORS
 1073 North Calvert Street
 Baltimore, Maryland 21202 301/837-0194

Design M. ELMENSHAWY Scale 1" = 50'
 Drawn D. HAMIL Date MAY 13, 1974
 Checked C. WEINEL Sheet No. 8 of 8



LEGEND

- PROPOSED BOLLARD LIGHT
- PROPOSED AREA LIGHT
- PROPOSED TRASH/ASH RECEPTACLE
- PROPOSED RECYCLING RECEPTACLE
- PROPOSED BENCH
- PROPOSED BIKE RACK
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- PROPOSED SPOT GRADES
- PROPOSED BUILDING
- PROPOSED CURB & GUTTER
- PROPOSED WALK
- TREE PROTECTION FENCING
- PROPOSED PROPERTY BOUNDARY
- ADJACENT LOT LINES
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- EXISTING STORM DRAIN
- EXISTING WATER
- EXISTING SEWER
- EXISTING FEATURES TO BE REMOVED OR DEMOLISHED

- ### NOTES:
- 1) LIGHT LOCATION ARE SHOWN FOR REFERENCE ONLY. SEE ELECTRICAL SITE PLAN BY VANDERWEIL ENGINEERS FOR LIGHT LOCATIONS, TYPE, AND DETAILS.
 - 2) SEE ARCHITECTURAL PLANS BY CMSS ARCHITECTS FOR HOWARD BUILDING EQUIPMENT YARD ENCLOSURE WALL HEIGHT AND PROPOSED ACCENT SIGN DETAILS.
 - 3) SEE PLANS BY WATER MANAGEMENT INC. FOR DETAILS REGARDING ENGINEERED WETLANDS AND RAIN GARDEN.
 - 4) PROPOSED PAVING TO TIE IN FLUSH TO EXISTING WALK.
 - 5) CONTROL JOINTS TO BE PLACED AT MID-POINT (BOTH WAYS) IN PROPOSED PLAZA AREA CONCRETE AREA CONCRETE SECTIONS.

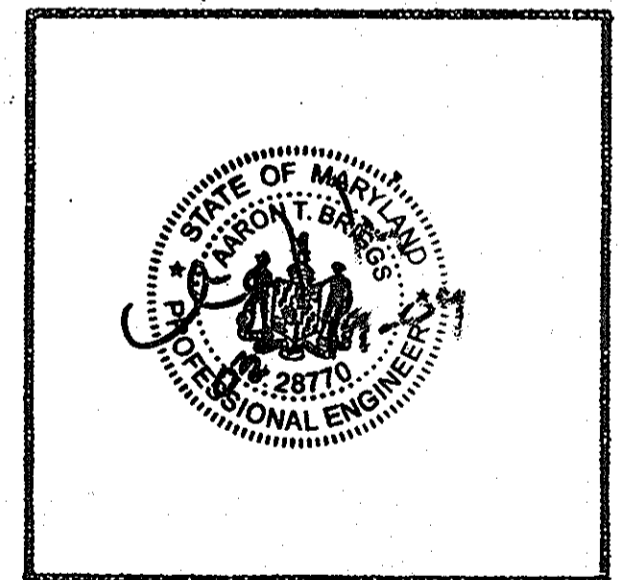
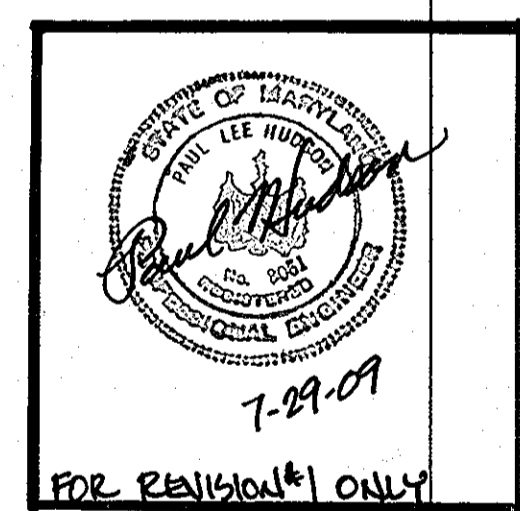
REVISIONS

NO.	DATE	DESCRIPTIONS
1	11/14/09	REVISED PAVEMENT SCHEDULE
2	11/14/09	REVISED SIGNAGE PACKAGE
3	11/14/09	REVISED PLAZA AREA

Paver Schedule

Key	ELEMENT	MANUFACTURER	PATTERN	COLOR/FINISH	SIZE	REMARKS
1	CONCRETE PAVER	HANDOVER	SEE SOLDIER COURSE	BROWN/NATURAL	STANDARD 4x8	SET IN BITUMINOUS, SEE DETAIL
2	CONCRETE PAVER	HANDOVER	45° HERRINGBONE	QUARRY RED/NATURAL	STANDARD 4x8	SET IN BITUMINOUS, SEE DETAIL
3	CONCRETE PAVER	HANDOVER	BASKET WEAVE	QUARRY RED/TUDOR	STANDARD 4x8	SET IN BITUMINOUS, SEE DETAIL

SECTION
Concrete Paver Walk with Concrete Base Not To Scale



HOWARD COUNTY OFFICE BUILDING II

COCHRAN, STEPHENSON & DONKERYOIT INCORPORATED
 1223 NORTH CHARLES ST. BALTIMORE MD 21202
 HENRY ADAMS, INC. MECH.-ELEC. ENGINEERS
 1517 WASHINGTON AVE. TOWSON, MD 21286
 CIVIL
 DAFT-McCUNE-WALKER, INC.
 200 EAST PENNSYLVANIA AVE. TOWSON, MARYLAND 21286
 PHONE: (410) 298-3333 FAX: (410) 298-4705

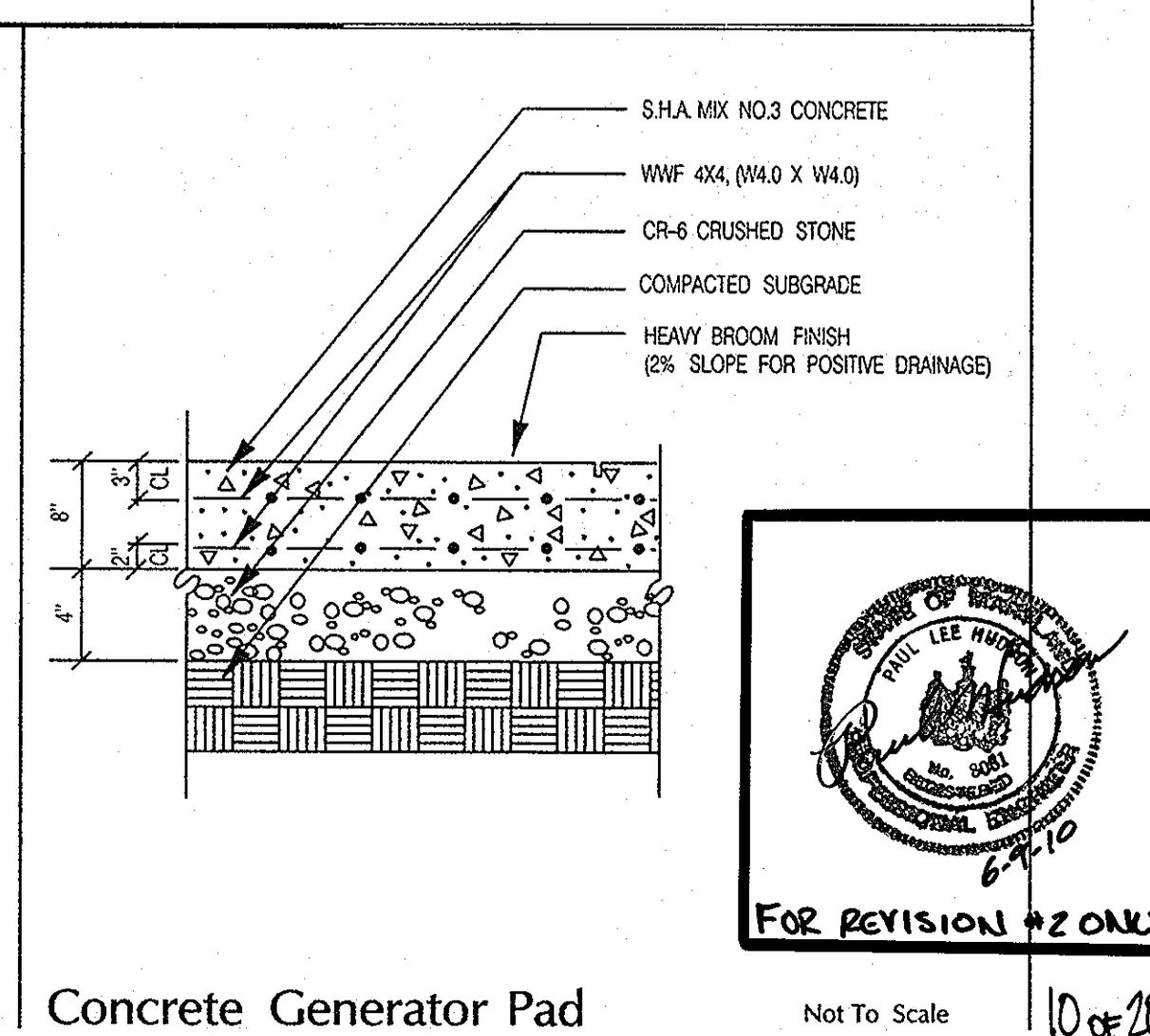
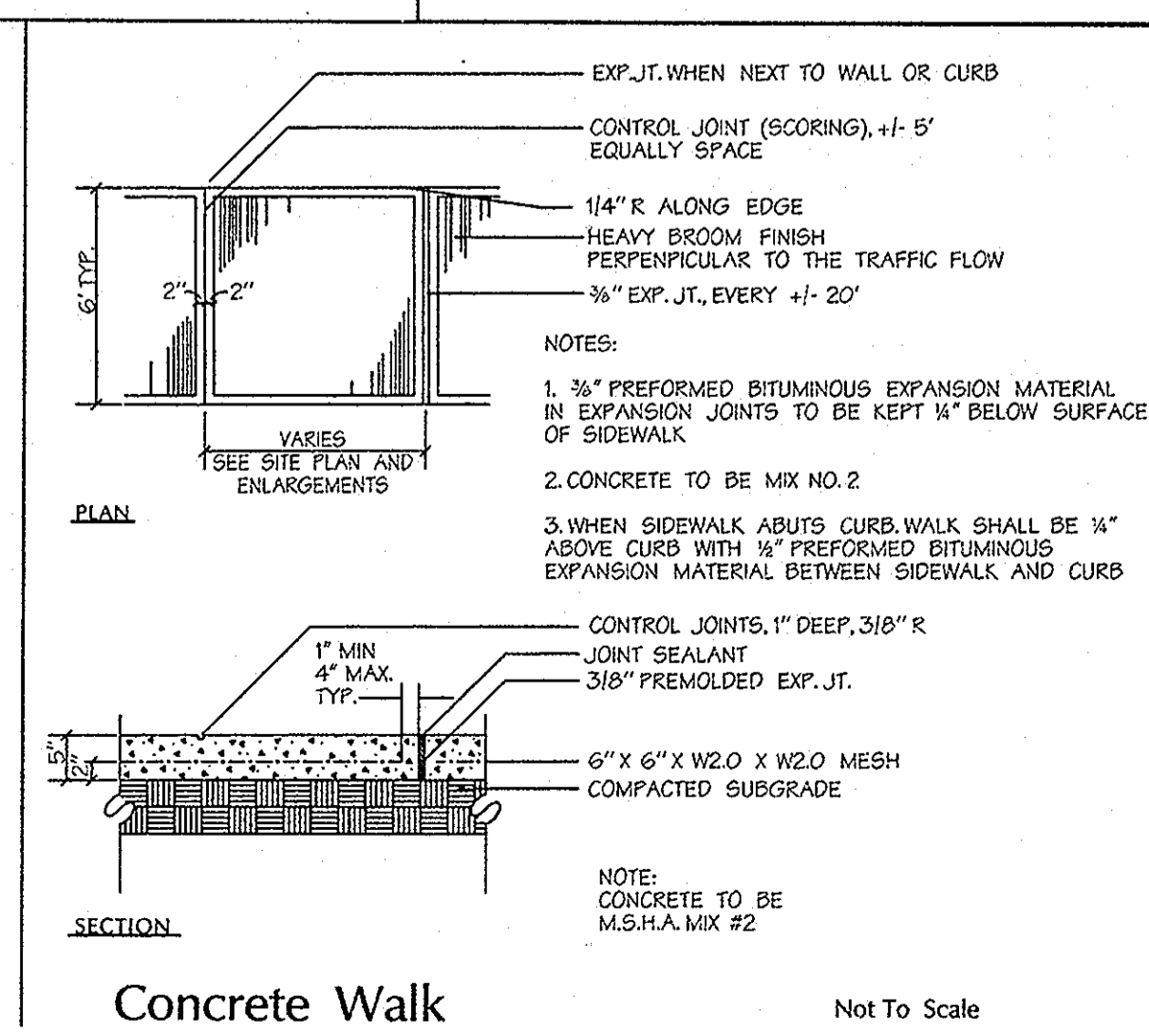
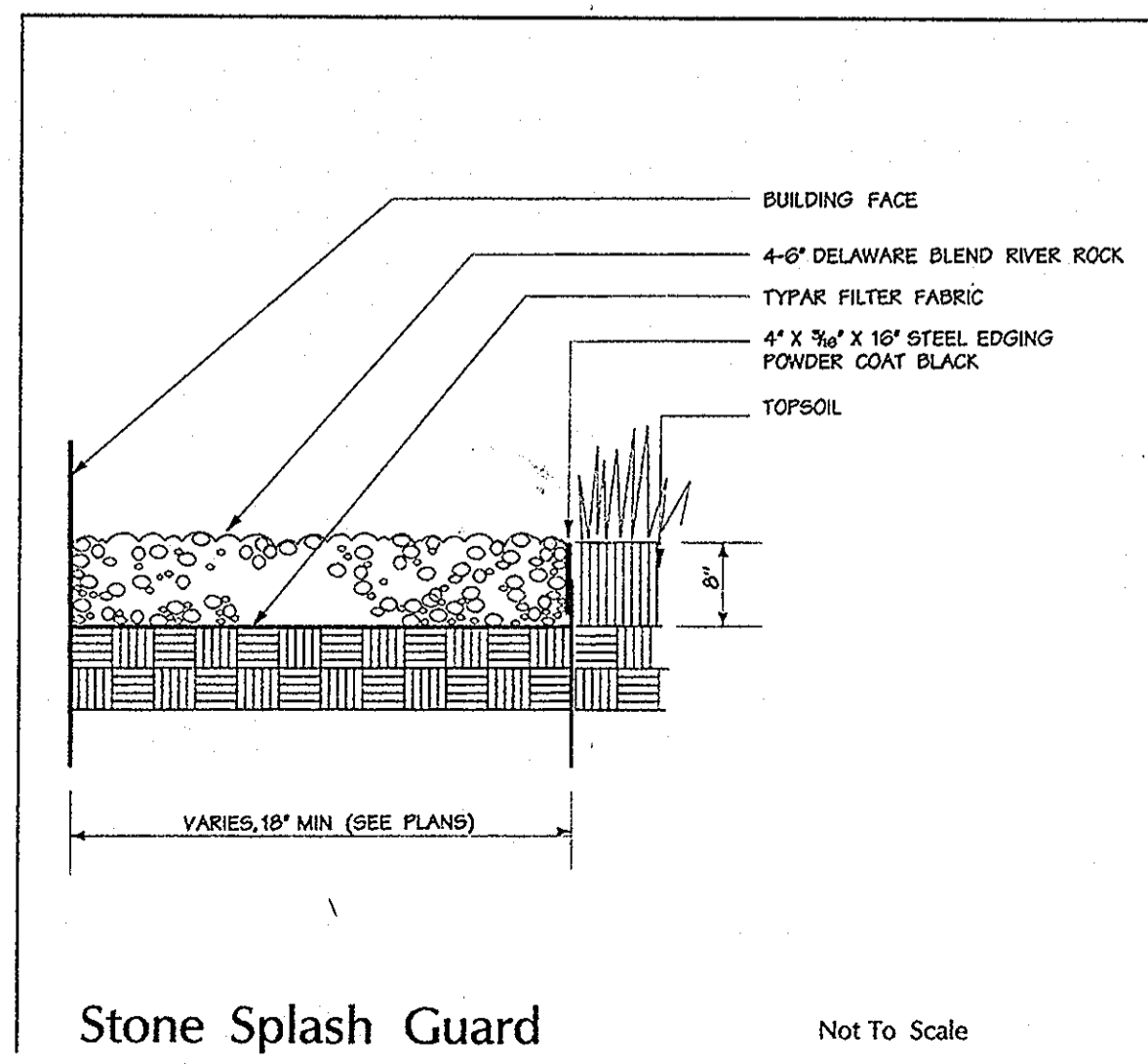
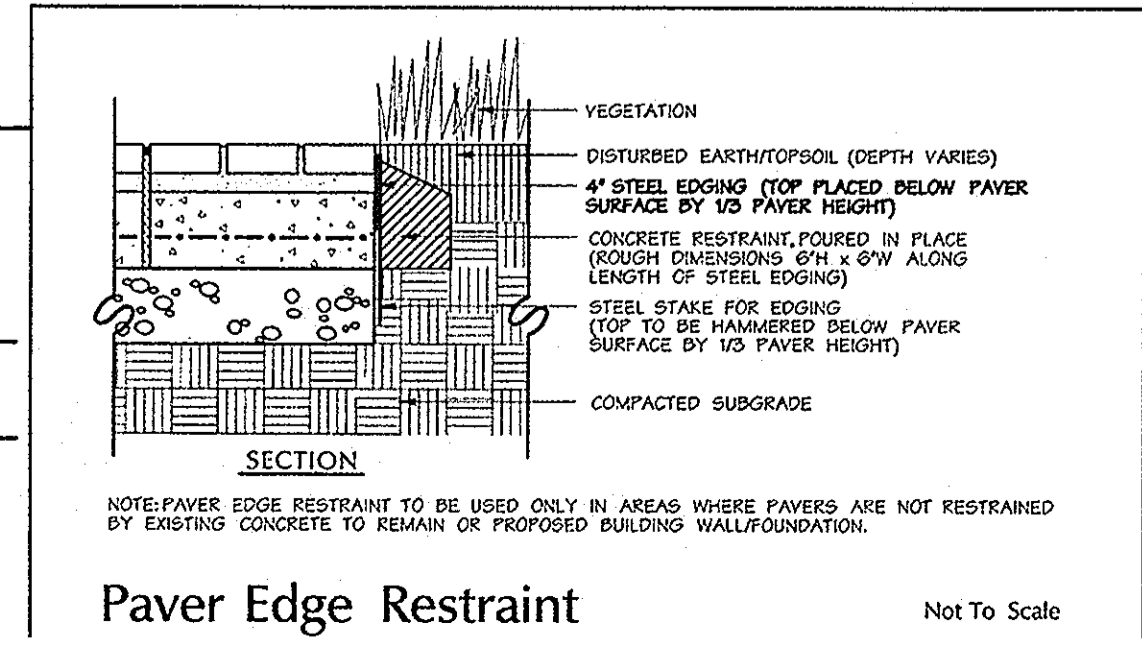
SUPPLEMENTAL SHEET
 PLAZA ENLARGEMENT & SITE DETAILS / SCHEDULES
 2nd ELECTION DISTRICT
 TAX MAP 25 PARCEL 12
 DRAWN: SHH/KAD
 DESIGN: SHH
 CHECK: SHH/ATB
 SCALE: AS SHOWN
 DATE: 11/14/09
 SHEET 10 OF 20
 DEPARTMENT OF PUBLIC WORKS
 DRAWING NUMBER
GC 0102

Element Furnishing Schedule

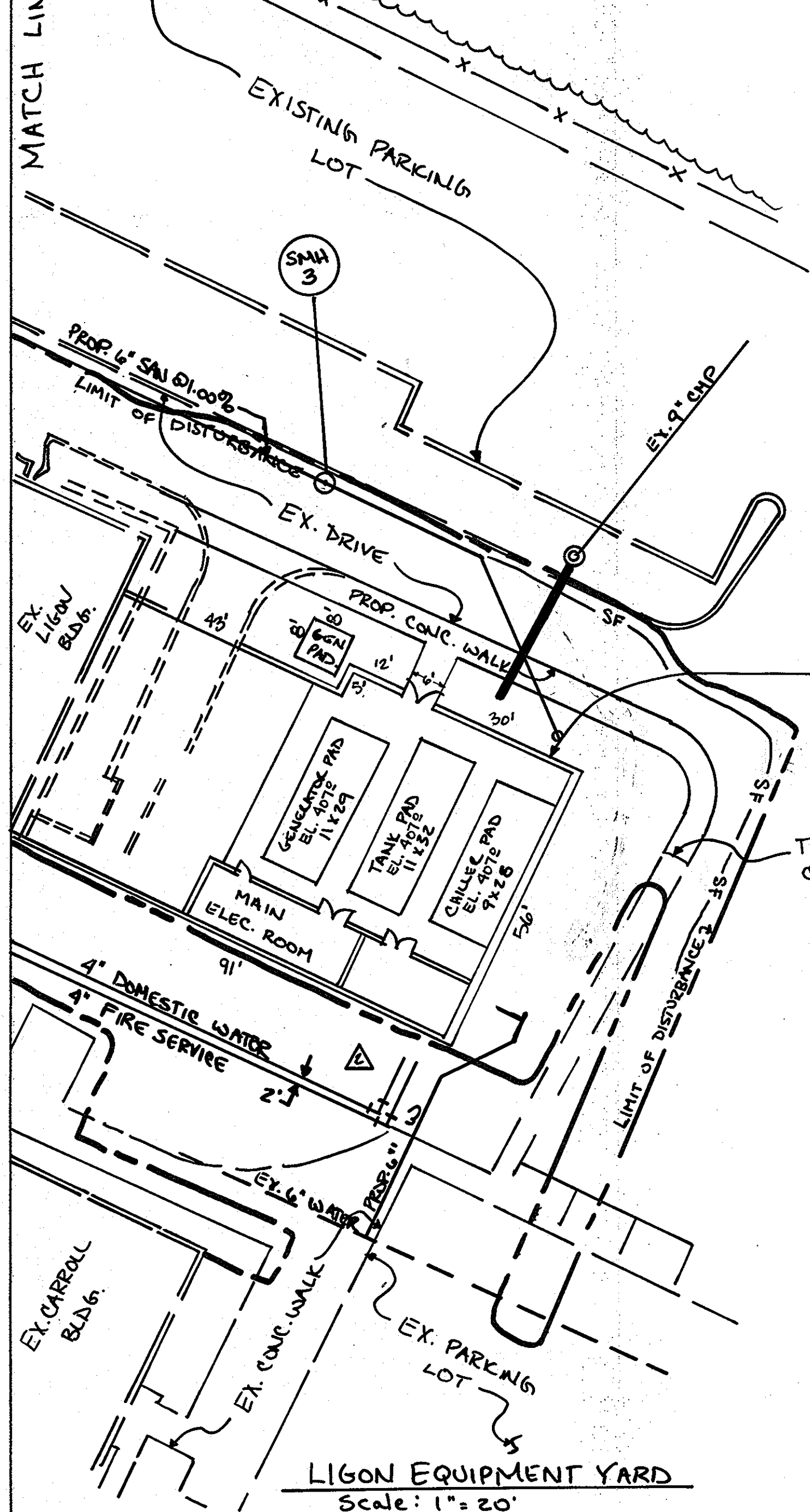
QTY	ELEMENT	MANUFACTURER	TYPE/MODEL	COLOR/FINISH	SIZE	REMARKS
4	BIKE RACK	VICTOR STANLEY	BK-4	BLACK POWDERCOAT ¹	-	SURFACE MOUNT
4	BENCH	LANDSCAPE FORMS	PLAIN WELL	IPE WOOD, BLK POWDER COAT ON METAL ²	96" LENGTH	W/ 2 INTERMEDIATE ARMS
5	TRASH RECEPTACLE	FORMS & SURFACES	SLPAS-36L	BLACK TEXTURE STANDARD POWDER COAT	36 GAL	-
4	RECYCLING RECEPTACLE	FORMS & SURFACES	SLPAS-36L	BLACK TEXTURE STANDARD POWDER COAT	36 GAL	-
5	CIGARETTE ASH RECEPTACLE	FORMS & SURFACES	SUBUT-MDM	BLACK TEXTURE STANDARD POWDER COAT	MEDIUM	-

1 HOT DIP GALVANIZED BIKE RACK PRIOR TO POWDER COATING
 2 FSC CERTIFIED WOOD CHAIN OF CUSTODY REGISTRATION CODE: SW-COC-1261

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 3/4/09
 T. Maenhart for C. Hamilton
 3-9-09
 3/9/09
 DIRECTOR



MATCH LINE (SEE SHEET 3 OF 20)



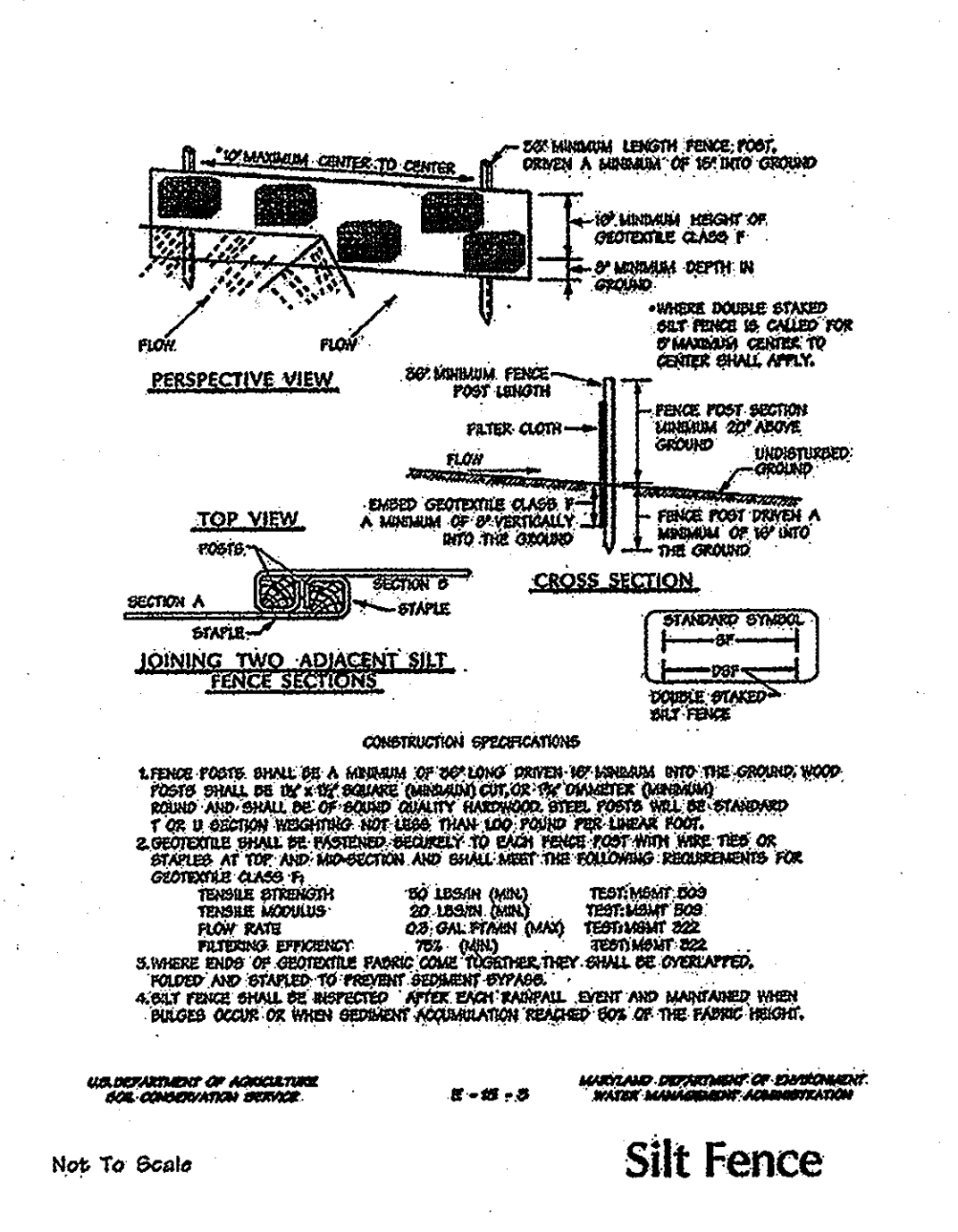
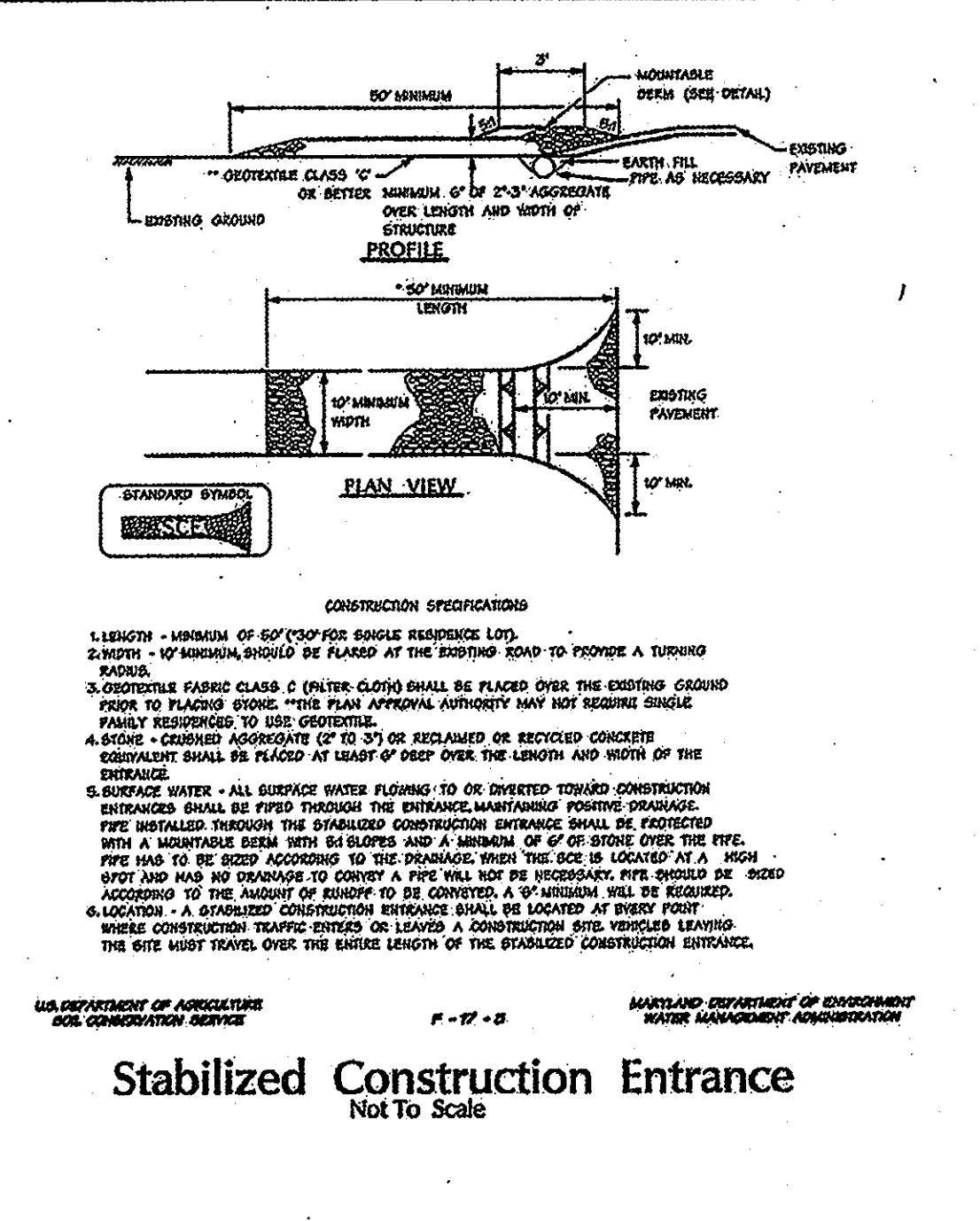
APPROVED - DEPARTMENT OF PLANNING & ZONING

CHIEF, DEVELOPMENT EXH. DIVISION DATE 3/4/09

T. Macchewit for C. Hamilton DATE 3-9-09

CHIEF DIV. LAND DEV. DATE 3/3/09

DIRECTOR DATE



Dust Control Specifications

TEMPORARY METHODS:

1. MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE COMPACTED OR TACKED TO PREVENT BLOWING.
2. VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
3. TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEEN PLANNING ON HOWARD SIDE OF SITE. OTHER-TYPE FLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
4. EROSION CONTROL - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPANNED WITH WATER UNTIL THE SURFACE IS MOIST. REFERT AS NEEDED. AT NO TIME SHOULD THE SITE BE REVEALED TO THE POINT THE RUNOFF BEGINS TO FLOW.
5. BARBERS - SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARBERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 10 FEET. THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING SOIL BLOWING.
6. CALCIUM CHLORIDE - APPLY AT A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

PERMANENT METHODS:

1. PERMANENT VEGETATION - SEE STANDARDS FOR PERMANENT VEGETATIVE COVER, AND PERMANENT STABILIZATION WITH SOO. EXISTING TREES OR LARGE SHRUBS MAY PROVIDE VALUABLE PROTECTION IF LEFT IN PLACE.
2. TOPSOILING - COVERING WITH LESS ERODIBLE SOIL MATERIALS. SEE STANDARDS FOR TOPSOILING.
3. STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

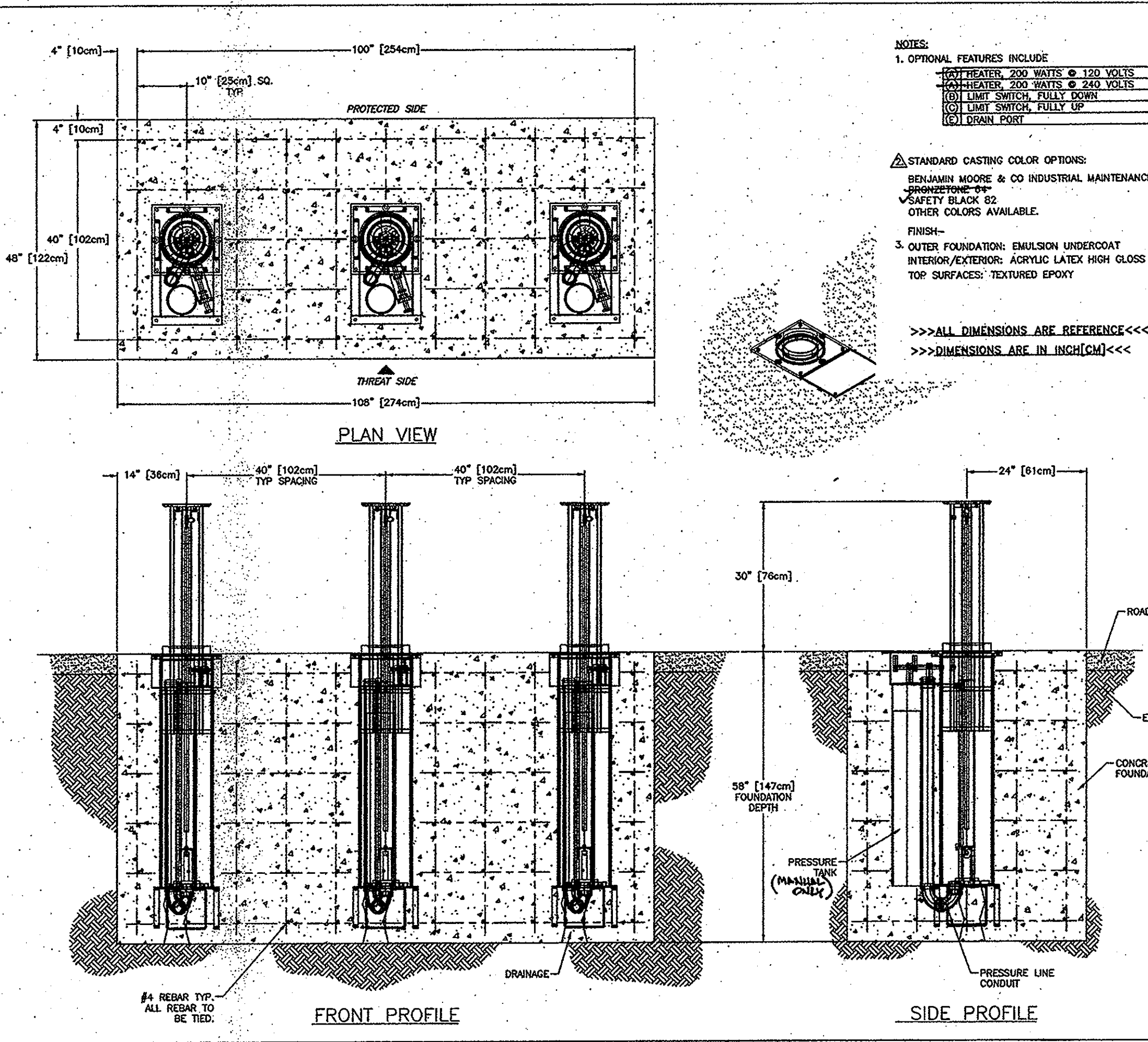
Sediment Control General Notes

1. DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE THE NECESSARY MAINTENANCE ON THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN HEREON.
2. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN (47) CALENDAR DAYS FOR ALL PERMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERMETER SLOPES AND ALL SLOPES GREATER THAN 3:1 (4) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
3. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (20-99).
4. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN COMPLIANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
5. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - A. SEVEN CALENDAR DAYS FOR ALL PERMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1.
 - B. FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
6. ALL SEDIMENT TRAP-BASKING BOWNS MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE 'HOWARD COUNTY DESIGN MANUAL', STORM DRAINAGE.
7. 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 SEEDINGS (SEC. 51), 500S (SEC. 54), TEMPORARY SEEDING (SEC. 52), AND MULCHING (SEC. 53). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
8. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
9. SITE ANALYSIS:

TOTAL AREA OF SITE AREA DISTURBED	25.6 ACRES
AREA TO BE ROOFED OR PAVED	0.44 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.22 ACRES
TOTAL CUT	1200 CUBIC YARDS*
TOTAL FILL	0 CUBIC YARDS

* OFF-SITE WASTE/BORROW AREA LOCATION

* TO BE DETERMINED BY CONTRACTOR WITH PRE-APPROVAL OF THE SEDIMENT CONTROL INSPECTOR WITH AN APPROVED AND ACTIVE GRADING PERMIT.
10. ANY DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUIRED UPON COMPLETION OF INSTALLATION OF PERMETER EROSION AND SEDIMENT CONTROL. Silt 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.
11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE FIVE LENGTHS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

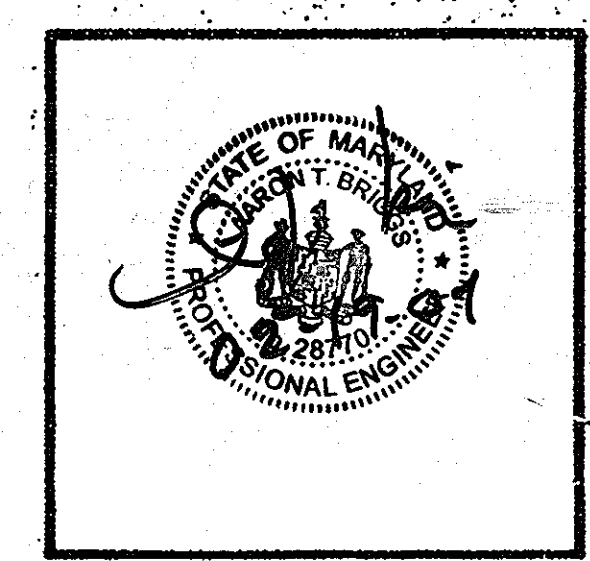


CONCRETE NOTES & RECOMMENDED SPECIFICATIONS:

1. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE.
2. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS, PROVIDED THE SIDES OF THE EXCAVATION ARE STABLE. WHERE CAVING OCCURS, PROPER SHORING, TYING AND METHOD OF SHORING SHALL BE AT CONTRACTORS OPTION.
3. THE EXCAVATION SHALL BE KEPT DRY AT ALL TIMES. GROUND WATER, IF EXISTENT, SHALL BE REMOVED FROM THE EXCAVATION.
4. CONCRETE SHALL BE LABORATORY DESIGNED, MACHINE MIXED, PRODUCING 3,000 PSI (20.68 MPa) AT 28 DAYS.
5. CEMENT SHALL BE TESTED PORTLAND CEMENT CONFORMING TO ASTM C150, TYPE I ONLY.
6. AGGREGATES SHALL CONFORM TO ASTM C33 & 8 GRADE PER STANDARD SPECIFICATIONS. MAXIMUM SIZE OF AGGREGATE SHALL BE 1-1/2 INCHES (38mm).
7. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A618, GRADE 60 (50,000 PSI OR MPa) WITH 1/2 INCHES (12.7mm) CLEARANCE.
8. HOOKS AND BENDS SHALL CONFORM TO A9 STANDARD. THE LATEST REVISION INSIDE DIAMETER OFF HOOKS AND BENDS SHALL BE AT LEAST SIX (6) BAR DIAMETERS.
9. PROVIDE SPACER BARS, CHAIRS, SPREADERS, BLOCKS, ETC. AS REQUIRED TO POSITIVELY HOLD THE STEEL IN PLACE BEFORE CONCRETE IS POURED.
10. CONCRETE SHALL BE CONVEYED FROM THE MIXER TO FINAL DEPOSIT BY METHODS THAT WILL PREVENT SEPARATION OR LOSS OF MATERIALS.
11. CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY SUITABLE MEANS DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT AND EMBEDDED FITTINGS AND CORNERS OF FORMS.
12. CONCRETE SHALL BE MAINTAINED ABOVE 50°F (10°C) AND IN A COST CONDITION FOR AT LEAST SEVEN (7) DAYS AFTER PLACEMENT. ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING CONCRETE MATERIALS AND PROTECTING CONCRETE DURING FREEZING OR NEAR FREEZING WEATHER.
13. WHERE EXTERIOR WALL FACE REQUIRES SHORING AND/OR FORMING, THE FORMS SHALL BE SUBSTANTIAL AND SUFFICIENTLY TIGHT TO PREVENT LEAKAGE. FORMS SHALL NOT BE REMOVED UNTIL THE CONCRETE IS SEVEN (7) DAYS OLD.
14. BACKFILLING SHALL BE DONE BY DEPOSITING AND TAMPING INTO PLACE CLEAN SAND OR POURING LEAN CONCRETE, TO 95% COMPACTION. WATER SETTING SHALL NOT BE ALLOWED.
15. CONDUITS AND PIPES OF ALUMINUM SHALL NOT BE ALLOWED.
16. CONSTRUCTION JOINTS NOT INDICATED ON THE DRAWINGS SHALL NOT BE ALLOWED. WHERE A CONSTRUCTION JOINT IS TO BE MADE, THE SURFACE OF THE CONCRETE SHALL BE THOROUGHLY CLEANED AND ALL LANTAGE AND STANDING WATER REMOVED.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT AREAS AGAINST DAMAGE AND SHALL REPAIR OR PATCH ALL DAMAGED AREAS TO MATCH EXISTING IMPROVEMENTS.
18. CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA CLEAN AT ALL TIMES AND AT COMPLETION OF WORK, REMOVE ALL SURPLUS MATERIALS, EQUIPMENT AND DEBRIS AND LEAVE THE PREMISES IN A CLEAN CONDITION ACCEPTABLE TO THE OWNER OR OWNER'S REPRESENTATIVE.

19. USE P.S.C. 800 DELEGATIVE

NO.	DATE	REVISIONS
1	1/22/09	ADDED LIGON EQUIP. YARD PLAN
2	2/10/09	ADDED PROPOSED UTILITIES



HOWARD COUNTY OFFICE BUILDING II

COCHRAN, STEPHENSON & DONNERVOIT ARCHITECTS INCORPORATED
225 NORTH CHARLES ST. BALTIMORE, MD 21201

MENNY ADAMS, INC.
MECH.-ELEC. ENGINEERS
131 WASHINGTON AVE. THORNTON, MD 21086

CIVIL DAFT-McCUNE-WALKER, INC.
200 EAST PENNSYLVANIA AVE. TOWSON, MARYLAND 21286
PHONE: (410) 298-3333
FAX: (410) 298-4708

SUPPLEMENTAL SHEET

SEDIMENT & EROSION NOTES & DETAILS

2nd ELECTION DISTRICT
TAX MAP-25 PARCEL 12

DRAWN: DR/MARZAN
DESIGN: DR/ATE
CHECK: ATE
SCALE: N/A
DATE: 11/10/09
SHEET 12 OF 20

GC 0102

FOR REVISION #2 ONLY

FOR REVISION #1 ONLY

12 OF 20

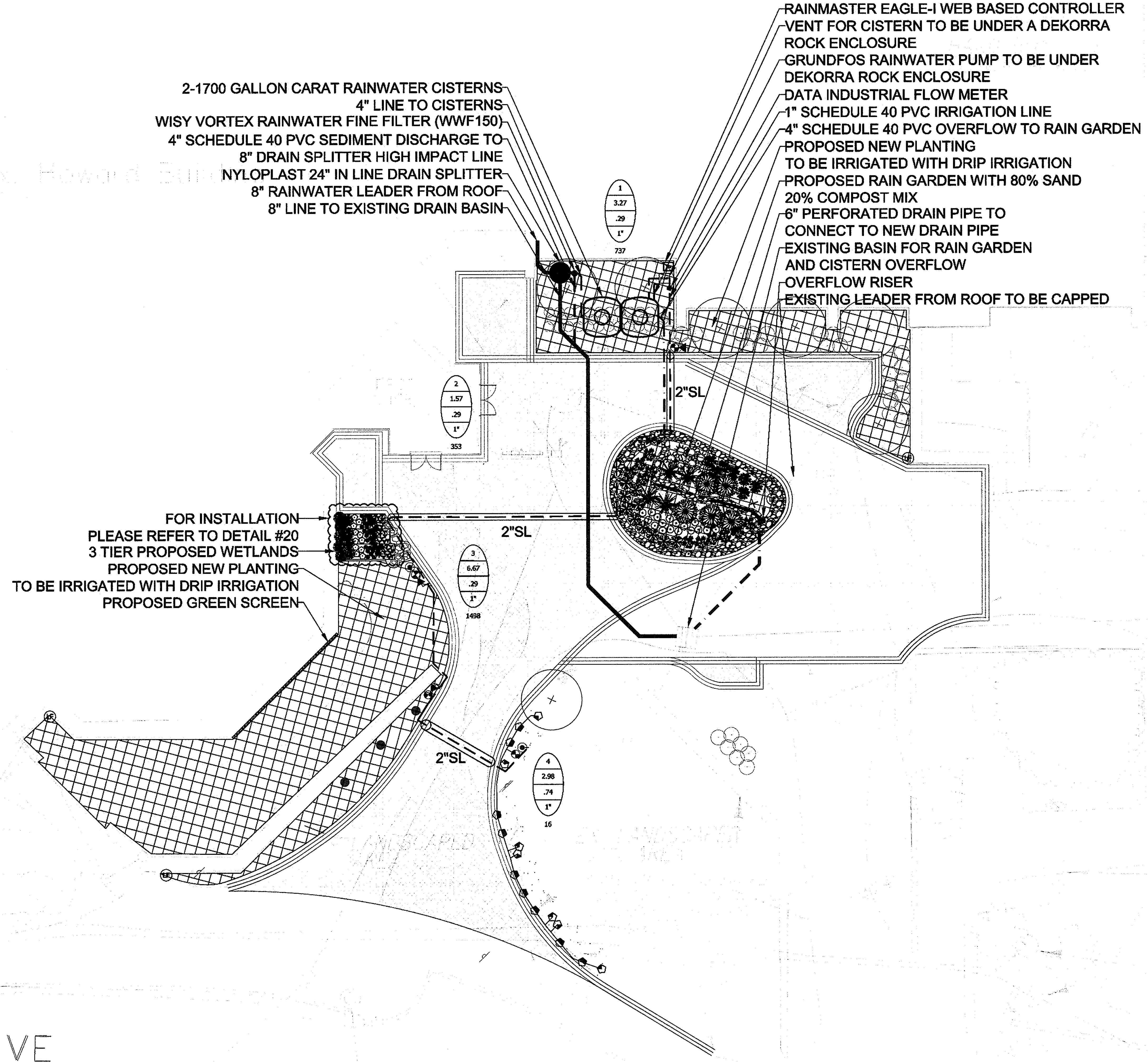
SDP-75-20-24

LEGEND

SYMBOL	COMMON NAME	LATIN NAME
	DELAWARE RIVER GRAVEL	
	SEDUM	SEDUM SIEBOLDI
	NEW PLANTING	
	VIRGIN'S BOWER	CLEMATIS VIRGINIANA
	BOLDER	
	BROOMSEDGE	ANDROPOGON VIRGINICUS
	BIG BLUESTEM	ANDROPOGON GERARDII
	SOFT RUSH	JUNCUS EFFUSUS
	CATTAIL	TYPHA LATIFOLIA
	LIZARD'S TAIL	SAURURUS CERNUUS
	SWAMP ROSE	ROSA PALUSTRIS
	BEEBALM, OSWEGO TEA	MONARDA DIDYMA
	BLACK EYED SUSAN	RUDBECKIA HIRTA
	DOLLS EYES	ACTAEA PACHYPODA
	PURPLE FALSE FOXGLOVE	AGALINIS PURPUREA
	PICKERELWEED	PONTEDERIA CORDATA
	AMERICAN WATER WILLOW	JUSTICIA AMERICANA
	RAINMASTER EAGLE-I WEB BASED IRRIGATION CONTROLLER (RME18EG-I) INCLUDES I-CARD COMMUNICATION W/ ET DATA FROM LOCAL WEATHER STATION.	
	RAINBIRD SOIL MOISTURE CONTROL IRRIGATION SYSTEM LOCATED IN THE RAIN GARDEN	
	DATA INDUSTRIAL FLOW SENSOR	
	RAINBIRD QUICK COUPLING VALVE (3RC)	
	NIBCO 1" MAINLINE ISOLATION VALVE, SCHEDULE 40 PVC	
	RAIN BIRD DRIP CONTROL ZONE (XCZ-100-B-COM)	
	RAIN BIRD PLASTIC REMOTE CONTROL VALVE (100-PEB)	
	RAIN BIRD XPCN LOW VOLUME SPRAY HEADS	
	4' RADIUS @ 30 PSI	
	NETAFIM AUTOMATIC LINE FLUSH VALVE (TL05MFV-1)	
	MAINLINE: 1" SCHEDULE 40 PVC	
	LATERAL LINE PIPE: 1" SCHEDULE 40 PVC	
	4" SCHEDULE 40 PVC	
	6" SCHEDULE 40 PVC	
	4" PERFORATED DRAIN PIPE	
	8" RAINWATER LEADER FROM ROOF	
	NETAFIM TECHLINE CV 17MM DRIPPERLINE MODEL (TLCV4-18) FLOW RATE IS .4 GPH. NETAFIM TECHLINE ROW SPACING IS 18" AND EMITTER SPACING IS 18"	
	IRRIGATION SLEEVE: 4" SCHEDULE 40 PVC	
	IRRIGATION 2-WIRE (14-2) CONTROL PATH PAIGE ELECTRIC BLUE JACKET (P7072D). ALL CONTROL WIRE IS TO BE INSTALLED IN 1" SCHEDULE 40 CONDUIT	

VALVE INDICATOR

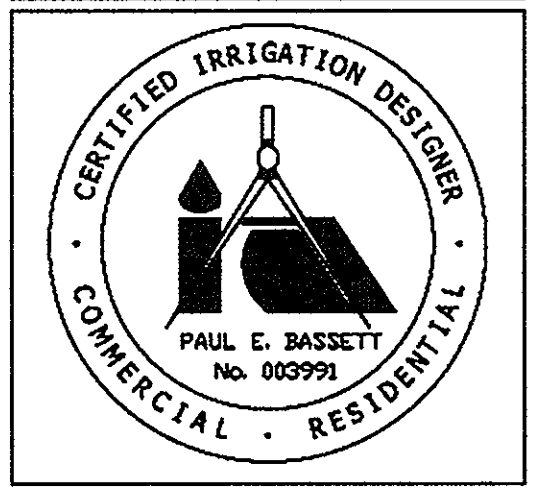
	20.0	GALLONS PER MINUTE
	20	STATION NUMBER
	.45	PRECIPITATION RATE (INCHES PER HOUR)
	1"	STATION VALVE SIZE
	36	HEAD COUNT OR DRIP TUBING LENGTH



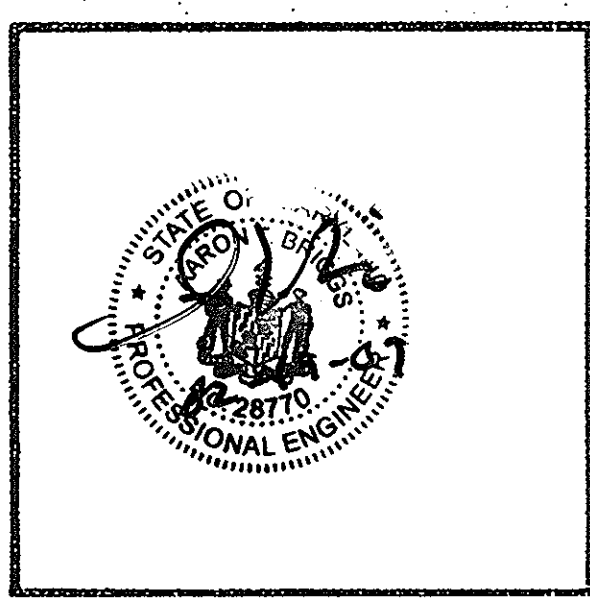
- RAINMASTER EAGLE-I WEB BASED CONTROLLER
- VENT FOR CISTERN TO BE UNDER A DEKORRA ROCK ENCLOSURE
- GRUNDFOS RAINWATER PUMP TO BE UNDER DEKORRA ROCK ENCLOSURE
- DATA INDUSTRIAL FLOW METER
- 1" SCHEDULE 40 PVC IRRIGATION LINE
- 4" SCHEDULE 40 PVC OVERFLOW TO RAIN GARDEN
- PROPOSED NEW PLANTING TO BE IRRIGATED WITH DRIP IRRIGATION
- PROPOSED RAIN GARDEN WITH 80% SAND 20% COMPOST MIX
- 6" PERFORATED DRAIN PIPE TO CONNECT TO NEW DRAIN PIPE AND CISTERN OVERFLOW OVERFLOW RISER
- EXISTING LEADER FROM ROOF TO BE CAPPED

FOR INSTALLATION PLEASE REFER TO DETAIL #20
 3 TIER PROPOSED WETLANDS
 PROPOSED NEW PLANTING
 TO BE IRRIGATED WITH DRIP IRRIGATION
 PROPOSED GREEN SCREEN

IRRIGATION CONSULTANT
WATER MANAGEMENT, INC.
 7781 WATERLOO ROAD
 JESSUP, MD 20794
 PHONE: 443-33-1232
 FAX: 443-733-1238



REVISIONS	
NO.	DESCRIPTIONS



HOWARD COUNTY OFFICE BUILDING II

COCHRAN, STEPHENSON & DONKROVET INCORPORATED ARCHITECTS
 125 NORTH CHARLES ST. BALTIMORE MD 21201
 HENRY ADAMS, INC. MECH. - ELEC. ENGINEERS
 137 WASHINGTON AVE. EIGHTON MD, 21224
 CIVIL
 DAFT-McCUNE-WALKER, INC.
 200 EAST PENNSYLVANIA AVE. TOWSON, MARYLAND 21286
 PHONE: (410) 298-3333
 FAX: (410) 298-4705

SUPPLEMENTAL SHEET
 OVERALL IRRIGATION PLAN

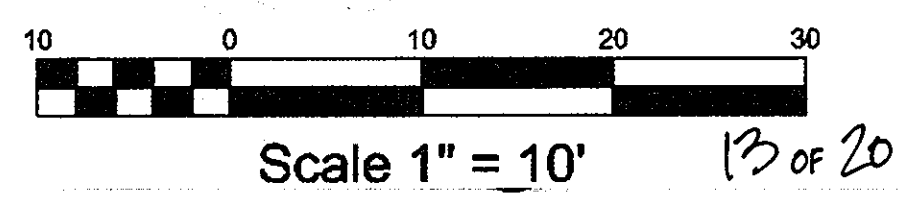
2nd ELECTION DISTRICT
 TAX MAP 25 PARCEL 12
 DRAWN: JVK/KM
 DESIGN: PB
 CHECK: PB
 SCALE: 1"=10'
 DATE: 1/16/09
 SHEET 13 of 20
 DEPARTMENT OF PUBLIC WORKS
GC 0102

APPROVED: DEPARTMENT OF PLANNING & ZONING
















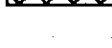
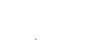
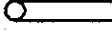

 CHIEF, DEV. BLDG. DIVISION
 DATE: 3/4/09

 CHIEF, DIV. OF LAND DEV.
 DATE: 3-9-09



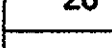
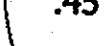
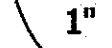
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 DATE: 3/9/09

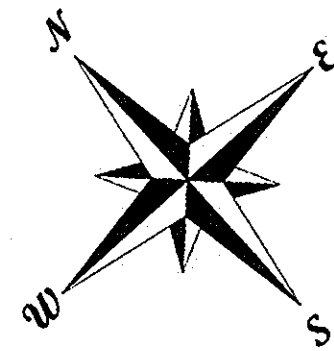
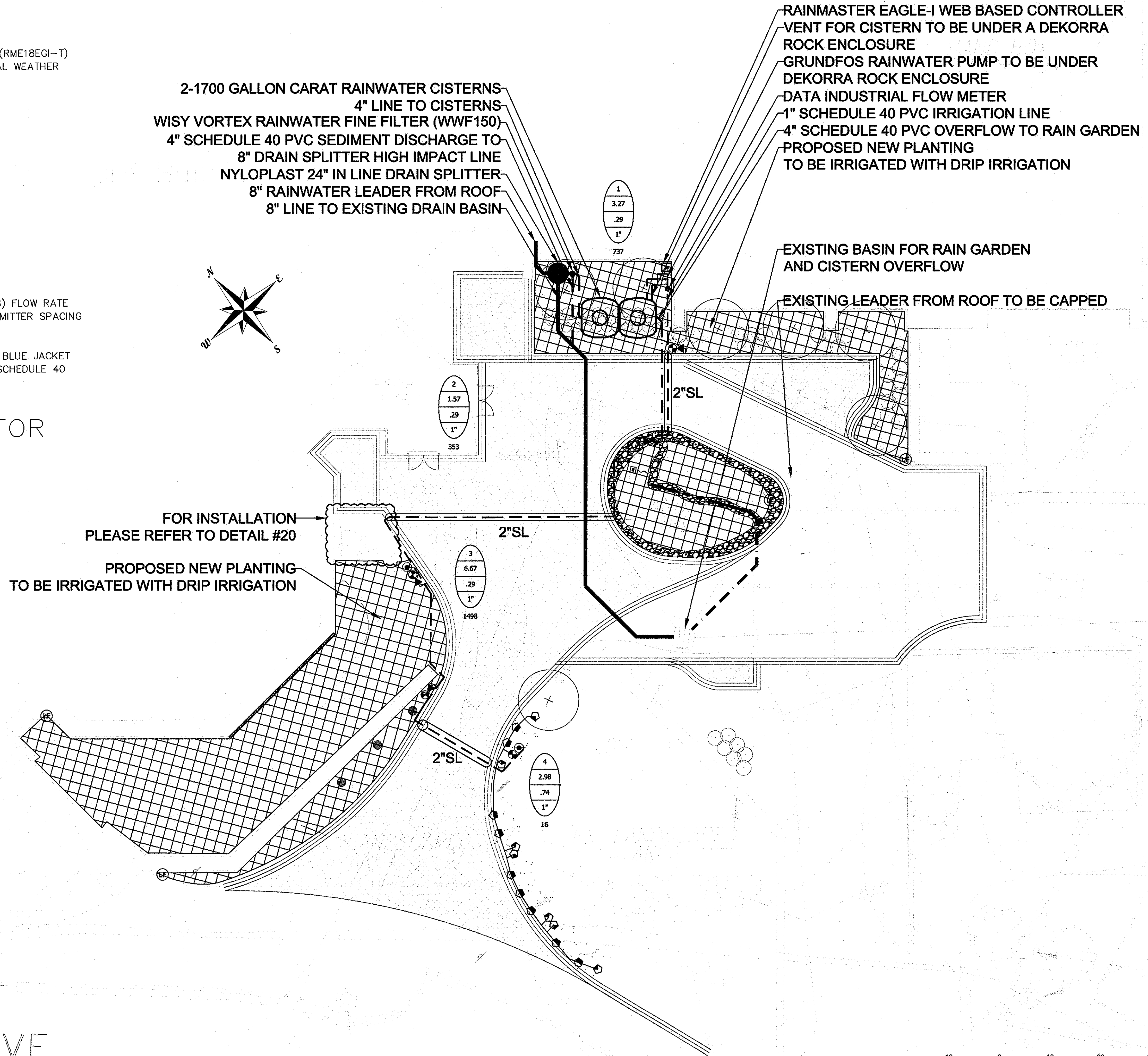


IRRIGATION LEGEND

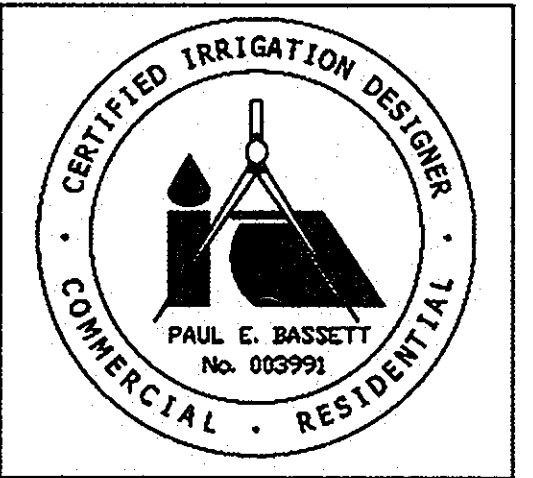
-  RAINMASTER EAGLE-I WEB BASED IRRIGATION CONTROLLER (RME18EG1-T) INCLUDES I-CARD COMMUNICATION W/ ET DATA FROM LOCAL WEATHER STATION.
-  RAINBIRD SOIL MOISTURE CONTROL IRRIGATION SYSTEM LOCATED IN THE RAIN GARDEN
-  DATA INDUSTRIAL FLOW SENSOR
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-  RAIN BIRD PLASTIC REMOTE CONTROL VALVE (100-PEB)
-  RAIN BIRD XPCN LOW VOLUME SPRAY HEADS
-  4' RADIUS @ 30 PSI
-  NETAFIM AUTOMATIC LINE FLUSH VALVE (TL05MFV-1)
-  MAINLINE: 1" SCHEDULE 40 PVC
-  LATERAL LINE PIPE: 1" SCHEDULE 40 PVC
-  4" SCHEDULE 40 PVC
-  6" SCHEDULE 40 PVC
-  4" PERFORATED DRAIN PIPE
-  8" RAINWATER LEADER FROM ROOF
-  NETAFIM TECHLINE CV 17MM DRIPPERLINE MODEL (TLCV4-18) FLOW RATE IS .4 GPH. NETAFIM TECHLINE ROW SPACING IS 18" AND EMITTER SPACING IS 18"
-  IRRIGATION SLEEVE: 4" SCHEDULE 40 PVC
-  IRRIGATION 2-WIRE (14-2) CONTROL PATH PAIGE ELECTRIC BLUE JACKET (P7072D). ALL CONTROL WIRE IS TO BE INSTALLED IN 1" SCHEDULE 40 CONDUIT

TYPICAL VALVE INDICATOR

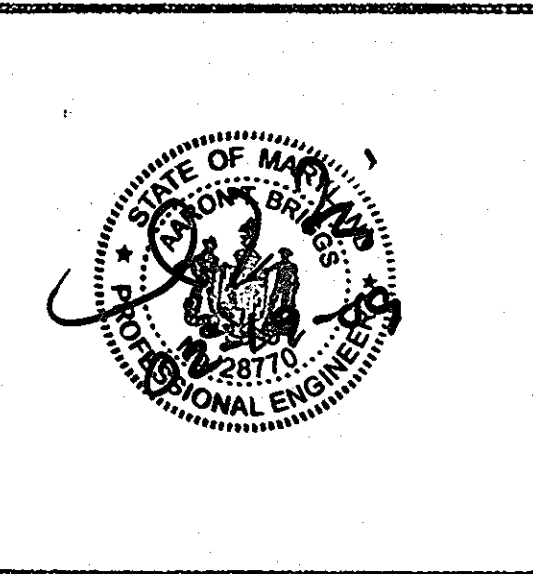
-  20.0 GALLONS PER MINUTE
-  20 STATION NUMBER
-  .45 PRECIPITATION RATE (INCHES PER HOUR)
-  1" STATION VALVE SIZE
-  36 HEAD COUNT OR DRIP TUBING LENGTH



IRRIGATION CONSULTANT
WATER MANAGEMENT, INC.
7781 WATERLOO ROAD
JESSUP, MD 20794
PHONE: 443-281222
FAX: 443-733-1238



REVISIONS	
NO.	DATE



HOWARD COUNTY OFFICE BUILDING II

COCHRAN, STEPHENSON & DONKEROVITZ
INCORPORATED ARCHITECTS
225 NORTH CHARLES ST. BALTIMORE MD 21201

HENRY ADAMS, INC.
MECH. ELEC. ENGINEERS
17 WASHINGTON AVE. TOWSON MD 21284

CIVIL
DAFT-McCUNE-WALKER, INC.
200 EAST PENNSYLVANIA AVE.
TOWSON, MARYLAND 21286
PHONE: (410) 296-3333
FAX: (410) 296-4705

SUPPLEMENTAL SHEET
IRRIGATION COVERAGE PLAN

2nd ELECTION DISTRICT
TAX MAP 25 PARCEL 12

DEPARTMENT OF PUBLIC WORKS
DRAWING NUMBER
GC 0102

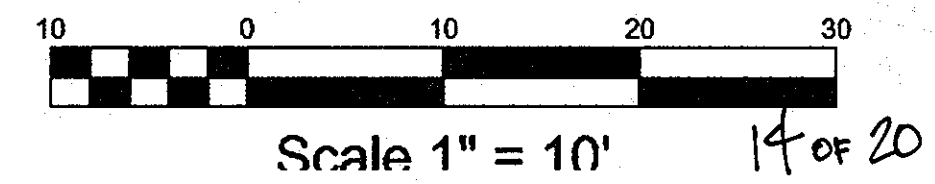
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DATE: 11/16/09
SHEET 14 of 20

APPROVED: DEPARTMENT OF PLANNING & ZONING

[Signature] 3/4/09
CHIEF, DEV. ENGINEER DIVISION DATE CC

T. Marchant for C. Hamilton 3-9-09
CHIEF DIV. OF LAND DEV. DATE KS

[Signature] 3/9/09
DIRECTOR DATE



RAIN GARDEN LEGEND

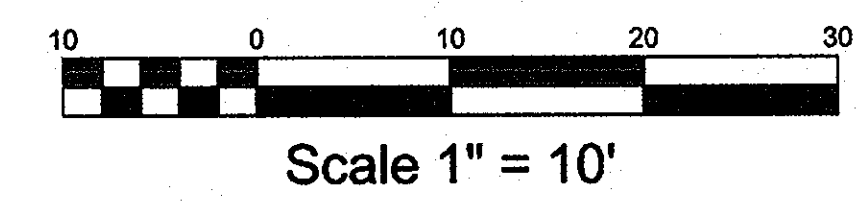
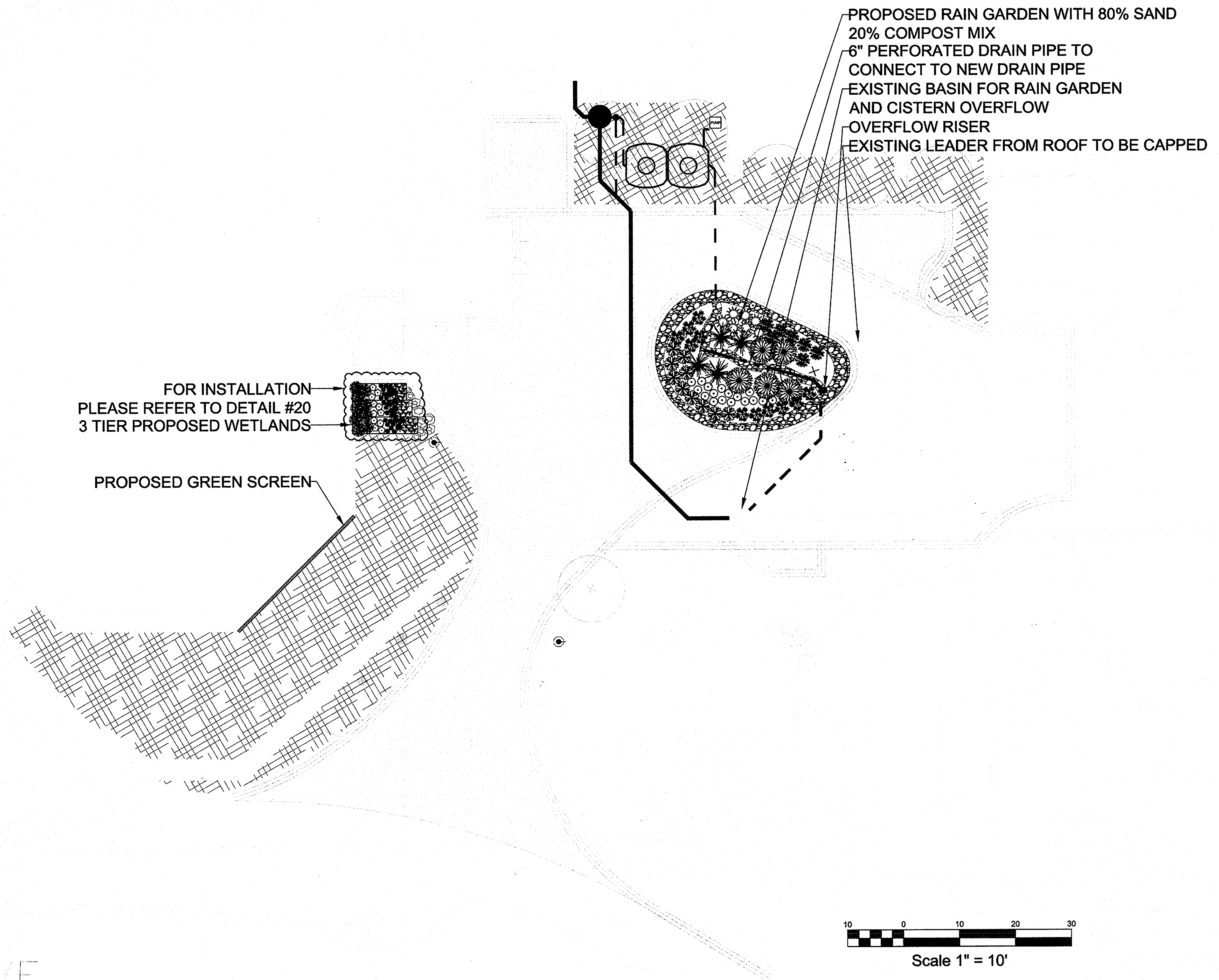
SYMBOL	COMMON NAME	LATIN NAME
	DELAWARE RIVER GRAVEL	
	SEDUM	SEDUM SIEBOLDI
	BROOMSEDGE	ANDROPOGON VIRGINICUS
	BIG BLUESTEM	ANDROPOGON GERARDII
	SWAMP ROSE	ROSA PALUSTRIS
	BEEBALM, OSWEGO TEA	MONARDA DIDYMA
	BLACK EYED SUSAN	RUDBECKIA HIRTA
	DOLLS EYES	ACTAEA PACHYPODA
	PURPLE FALSE FOXGLOVE	AGALINIS PURPUREA

WETLAND LEGEND

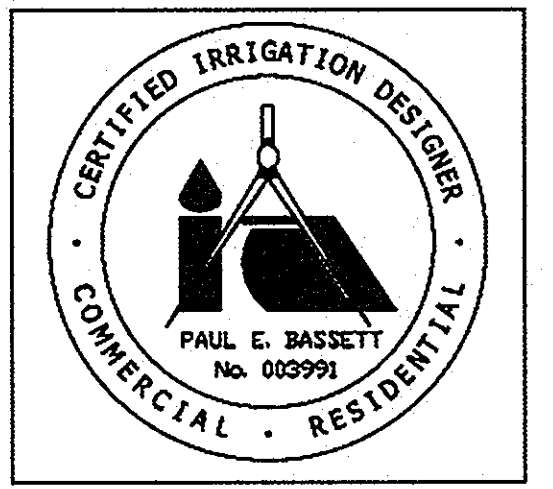
SYMBOL	COMMON NAME	LATIN NAME
	BOLDER	
	DELAWARE RIVER GRAVEL	
	SOFT RUSH	JUNCUS EFFUSUS
	CATTAIL	TYPHA LATIFOLIA
	LIZARD'S TAIL	SAURURUS CERNUUS
	PICKERELWEED	PONTERDERIA CORDATA
	AMERICAN WATER WILLOW	JUSTICIA AMERICANA
	NEW PLANTINGS	

GREEN SCREEN TRELLIS

SYMBOL	COMMON NAME	LATIN NAME
	VIRGIN'S BOWER	CLEMATIS VIRGINIANA



IRRIGATION CONSULTANT
WATER MANAGEMENT, INC.
7781 WATERLOO ROAD
JESSUP, MD 20794
PHONE: 443-53-1232
FAX: 443-733-1238



REVISIONS		
NO.	DATE	DESCRIPTIONS



**HOWARD COUNTY
OFFICE BUILDING II**

COCHRAN, STEPHENSON & DONKEROVIT
INCORPORATED ARCHITECTS
225 NORTH CHARLES ST. BALTIMORE, MD 21201

HENRY ADAMS, INC.
MECH.-ELEC. ENGINEERS
101 WASHINGTON AVE. EDYVON, MD. 21224

CIVIL
DAFT-McCUNE-WALKER, INC.
200 EAST PENNSYLVANIA AVE.
TOWSON, MARYLAND 21286
PHONE: (410) 286-3333
FAX: (410) 286-4705

SUPPLEMENTAL SHEET
RAIN GARDEN & WETLANDS
PLAN

2nd ELECTION DISTRICT
TAX MAP 25 PARCEL 12

DEPARTMENT OF PUBLIC WORKS
DRAWING NUMBER
GC 0102

DRAWN: JL/VH
CHECK: PB
SCALE: 1"=10'
DATE: 1/16/09
SHEET 15 OF 20

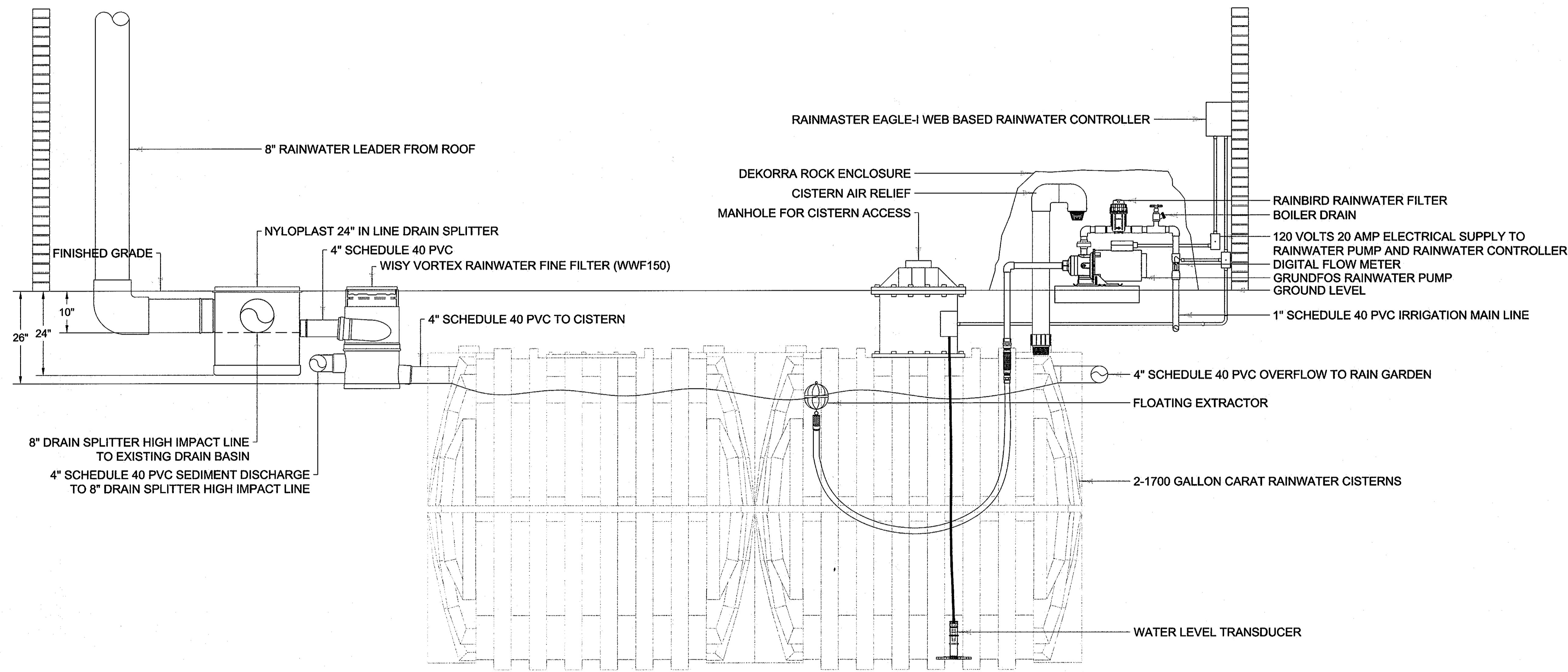
APPROVED DEPARTMENT OF PUBLIC WORKS

[Signature] 3/24/09
DATE CE

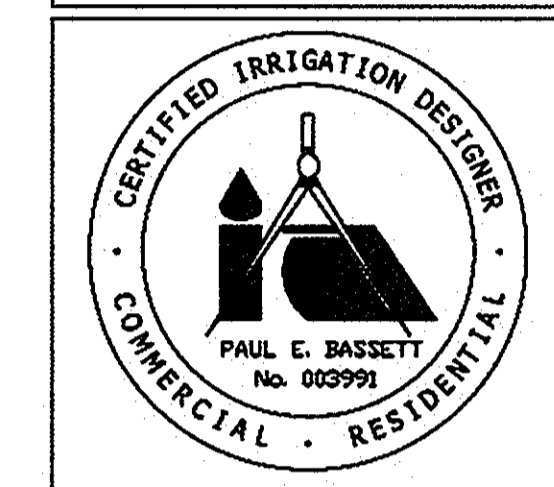
T. M. ... for C. Hamilton
DATE 3-9-09

[Signature] 3/9/09
DATE

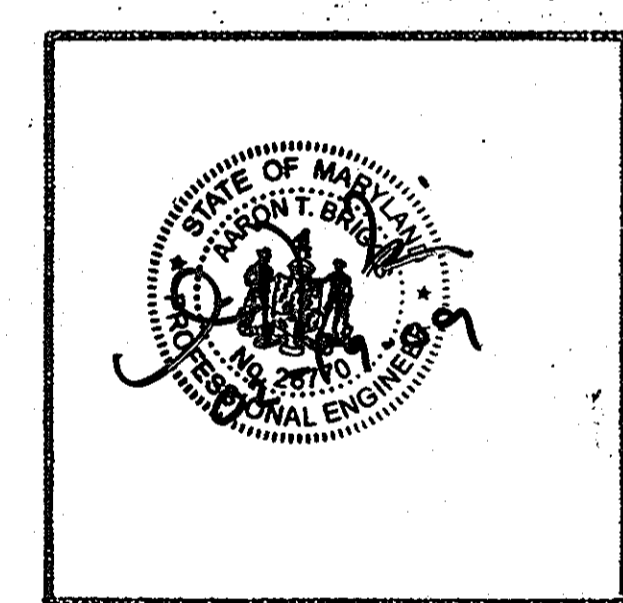
15 OF 20 SDP 75-04



IRRIGATION CONSULTANT
WATER MANAGEMENT, INC.
 7781 WATERLOO ROAD
 JESSUP, MD 20794
 PHONE: 443-364-1232
 FAX: 443-733-1238



REVISIONS	
NO.	DESCRIPTIONS



HOWARD COUNTY OFFICE BUILDING II

COCHRAN, STEPHENSON & DONKEROVITZ
 INCORPORATED ARCHITECTS
 925 NORTH CHARLES ST. BALTIMORE MD 21206

HENRY ADAMS, INC.
 MECH.-ELEC. ENGINEERS
 121 WASHINGTON AVE. TOWSON MD 21204

CIVIL
DAFT-McCUNE-WALKER, INC.
 200 EAST PENNSYLVANIA AVE.
 TOWSON, MARYLAND 21286
 PHONE: (410) 296-3333
 FAX: (410) 296-4705

SUPPLEMENTAL SHEET
 RAINWATER HARVESTING
 ELEVATION PLAN

2nd ELECTION DISTRICT
 TAX MAP 25 PARCEL 12

DRAWN: JCL/KM
 DESIGN: PB
 CHECK: PB
 SCALE: 3/4" = 1'
 DATE: 1/16/09
 SHEET 16 of 20

DEPARTMENT OF PUBLIC WORKS
 DRAWING NUMBER
GC 0102

APPROVED: DEPARTMENT OF PLANNING & ZONING

[Signature]
 CHIEF DEW DIVISION
 DATE: 3/4/09

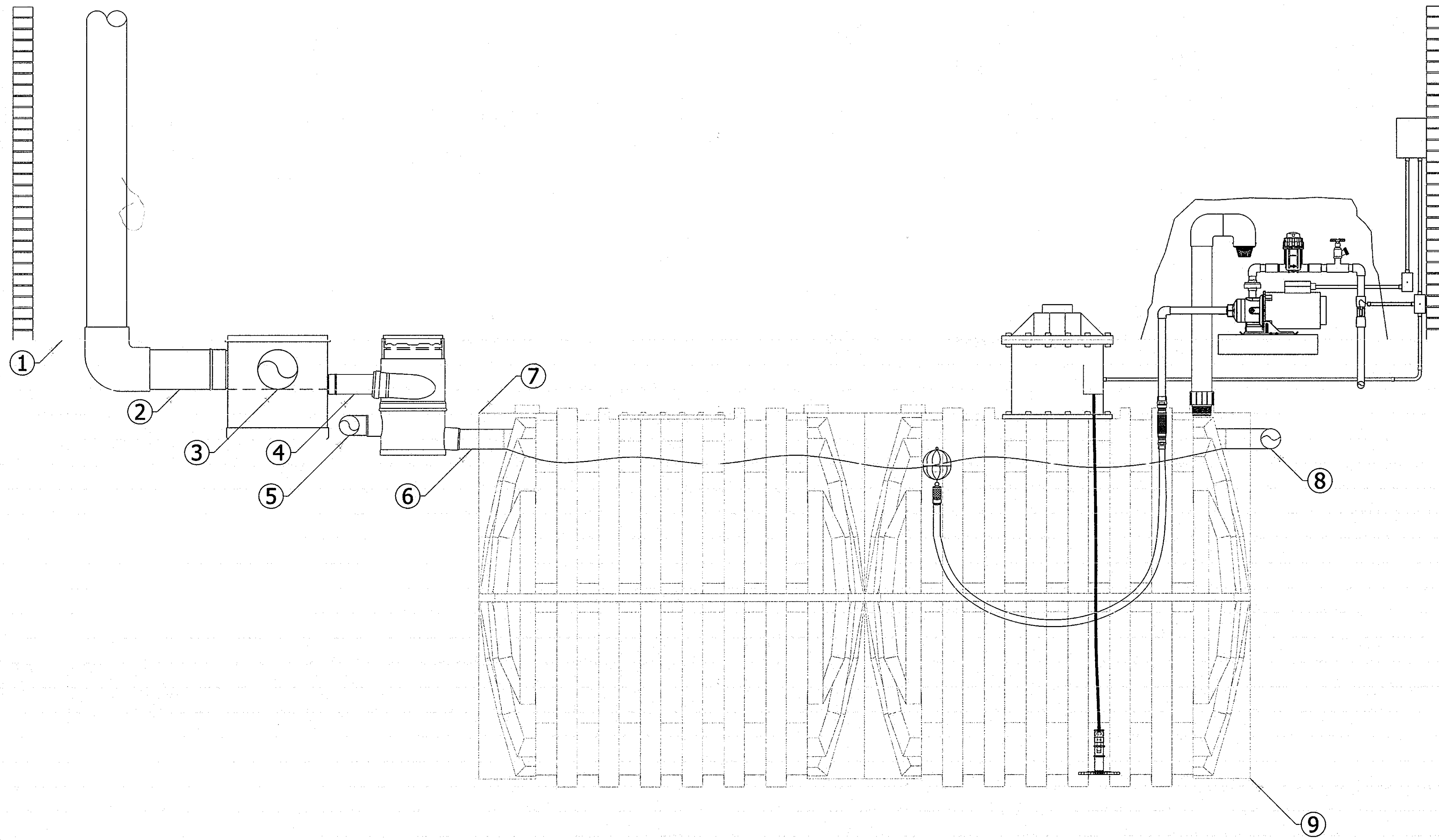
[Signature] for C. Hamilton
 CHIEF DIVISION OF LAND DEV
 DATE: 3-9-09

[Signature]
 DIRECTOR
 DATE: 3/9/09

16 of 20

SCP 73-04

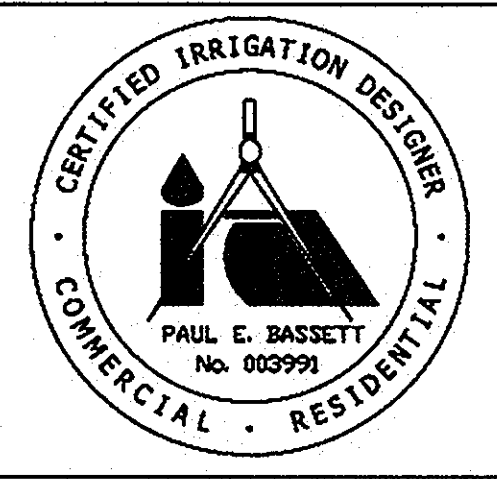
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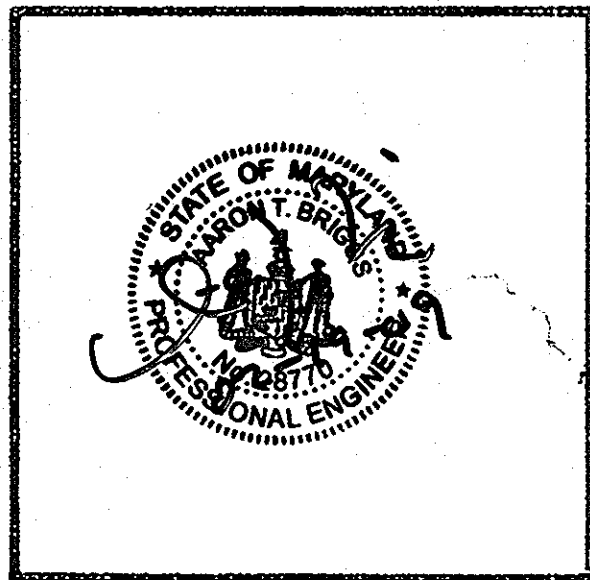
424
423
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418
417
416
415
414

POINT	TYPE	INVERTS/ELEVATIONS
①	8" LEADER FROM ROOF	424
②	8" LEADER FROM ROOF	423.01
③	8" TO EXISTING BASIN	423.01
④	4" TO RAINWATER FILTER	422.91
⑤	4" SEDIMENT DISCHARGE	422.08
⑥	4" RAINWATER IN	421.80
⑦	TOP OF CISTERN	422.62
⑧	4" OVERFLOW	421.80
⑨	BOTTOM OF CISTERN	415.15

IRRIGATION CONSULTANT
WATER MANAGEMENT, INC.
7781 WATERLOO ROAD
JESSUP, MD 20794
PHONE: 443-334222
FAX: 443-733-1238



REVISIONS	
NO.	DESCRIPTIONS



HOWARD COUNTY OFFICE BUILDING II

COCHRAN, STEPHENSON & DONKEROVIT ARCHITECTS
INCORPORATED
925 NORTH CHARLES ST. BALTIMORE MD 21202

HENRY ADAMS, INC.
MECH. - ELEC. ENGINEERS
121 WASHINGTON AVE. TOWSON MD, 21284

CIVIL
DAFT-McCUNE-WALKER, INC.
200 EAST PENNSYLVANIA AVE.
TOWSON, MARYLAND 21286
PHONE: (410) 296-3333
FAX: (410) 296-4705

SUPPLEMENTAL SHEET
RAINWATER HARVESTING
INVERT / ELEVATION
CALLOUTS

2nd ELECTION DISTRICT
TAX MAP 25 PARCEL 12

DRAWN: SK/VH
DESIGN: RB
CHECK: FB
SCALE: 3/4" = 1'
DATE: 11/6/09
SHEET 17 of 20

DEPARTMENT OF PUBLIC WORKS
DRAWING NUMBER
GC 0102

APPROVED DEPARTMENT OF PLANNING & ZONING

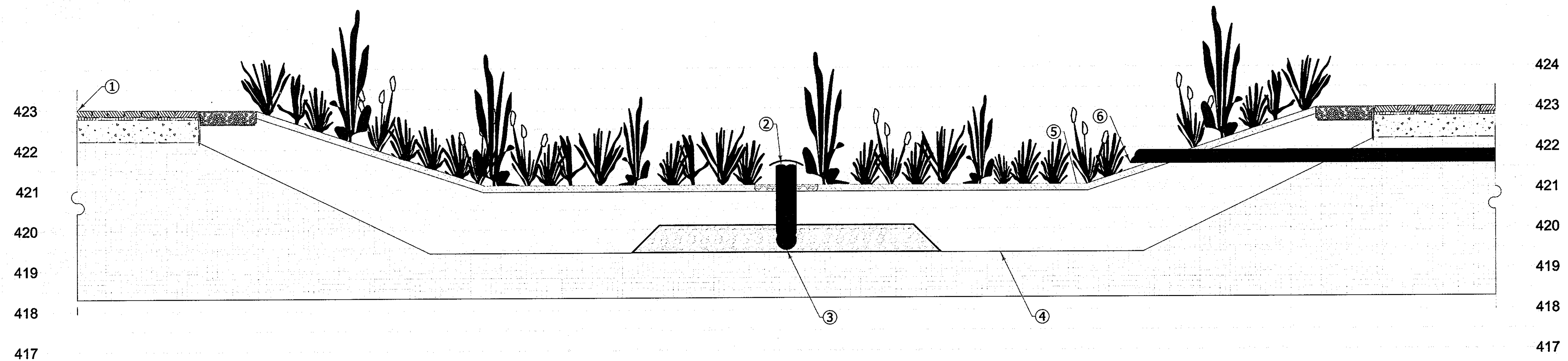
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DATE 6

CHIEF DEV. GRN. DIVISION

T. Manakonda for C. Hamilton 3-9-09
DATE 13

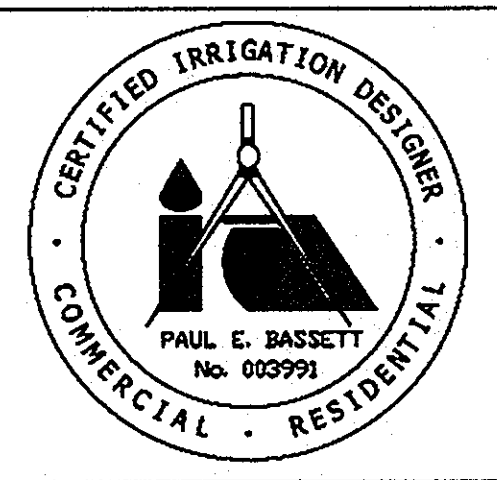
CHIEF PW. OF LAND. DEV.
[Signature] 3/5/09
DATE

DIRECTOR



POINT	TYPE	INVERTS/ELEVATIONS
①	FINISH GRADE	423
②	OVERFLOW RISER	421.60
③	6" PERFORATED PIPE	419.48
④	RAIN GARDEN BASE	419.42
⑤	TOP OF MULCH/STONE	421.10
⑥	4" OVERFLOW	421.60

IRRIGATION CONSULTANT
WATER MANAGEMENT, INC.
 7781 WATERLOO ROAD
 JESSUP, MD 20794
 PHONE: 443-33-1232
 FAX: 443-733-1238



REVISIONS		
NO.	DATE	DESCRIPTIONS



**HOWARD COUNTY
 OFFICE BUILDING II**

COCHRAN, STEPHENSON & DONKEROVIT
 INCORPORATED ARCHITECTS
 225 NORTH CHARLES ST. BALTIMORE MD 21201

HENRY ADAMS, INC.
 MECH. - ELEC. ENGINEERS
 127 WASHINGTON AVE. EDYVON, MD 21024

CIVIL
DAFT-McCUNE-WALKER, INC.
 200 EAST PENNSYLVANIA AVE.
 TOWSON, MARYLAND 21286
 PHONE: (410) 286-3333
 FAX: (410) 286-4705

SUPPLEMENTAL SHEET
 RAINWATER HARVESTING
 INVERT / ELEVATION
 CALLOUTS

2nd ELECTION DISTRICT
 TAX MAP 25 PARCEL 12

DRAWN: JK/VCH
 DESIGN: PB
 CHECK: PB
 SCALE: N.T.S.
 DATE: 1/16/09
 SHEET: 18 of 20
 DEPARTMENT OF PUBLIC WORKS
 DRAWING NUMBER
GC 0102

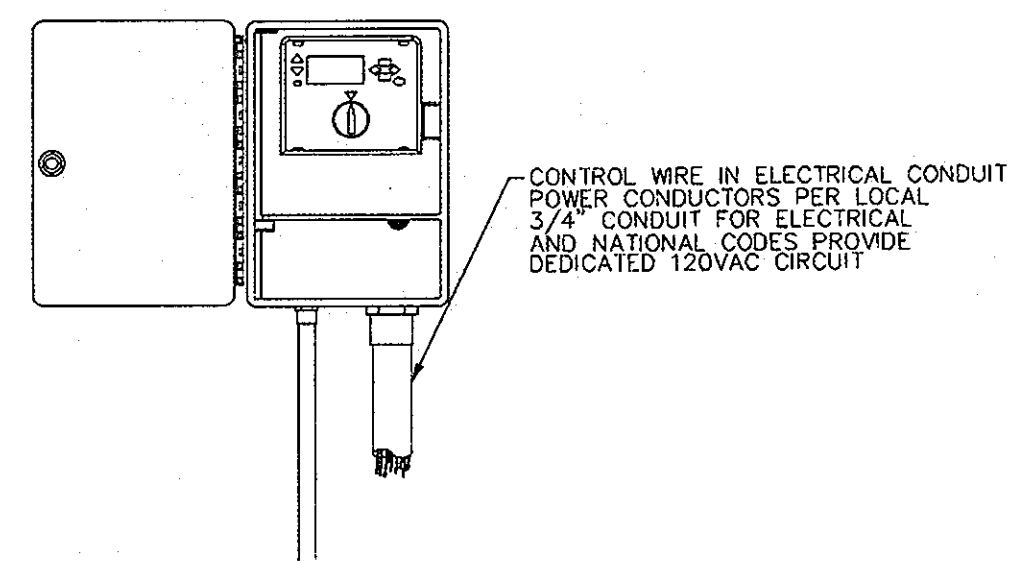
APPROVED: DEPARTMENT OF PLANNING & ZONING

 CHIEF, DEV. ENG. DIVISION
 DATE: 3/4/09
 CE

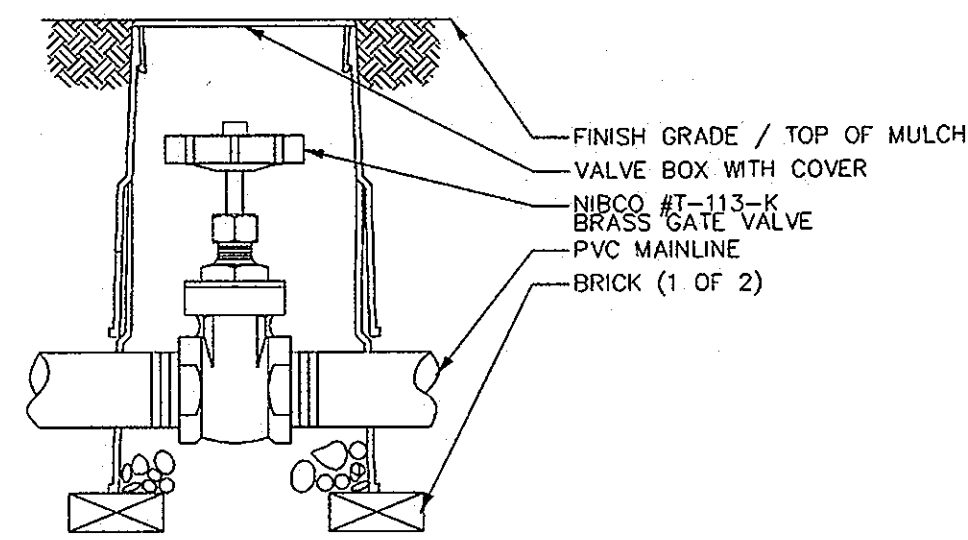
J. M. ... for C. Hamilton
 CHIEF, DIV. OF LAND DEV.
 DATE: 3-9-09
 VS

PAUL L. ...
 DIRECTOR
 DATE: 3/5/09

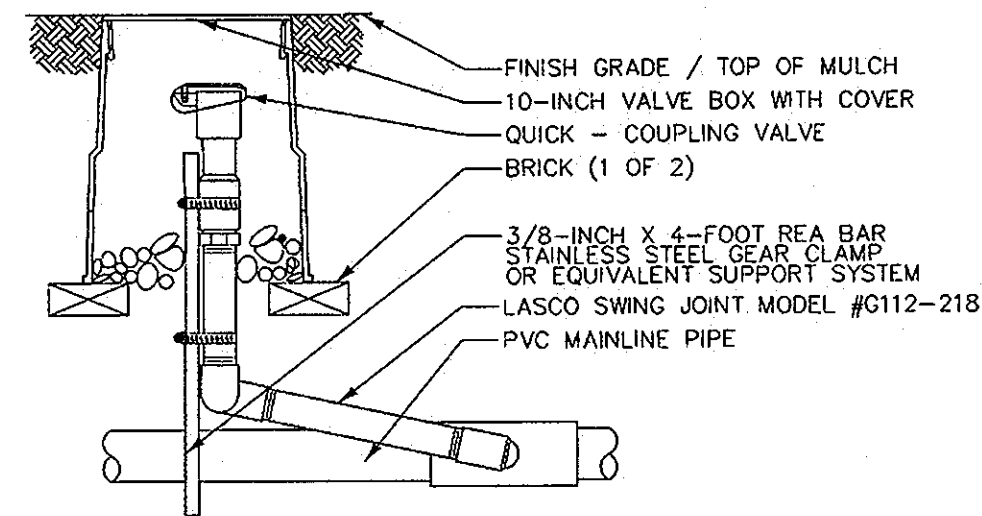
18 of 20
 SDP 75-04



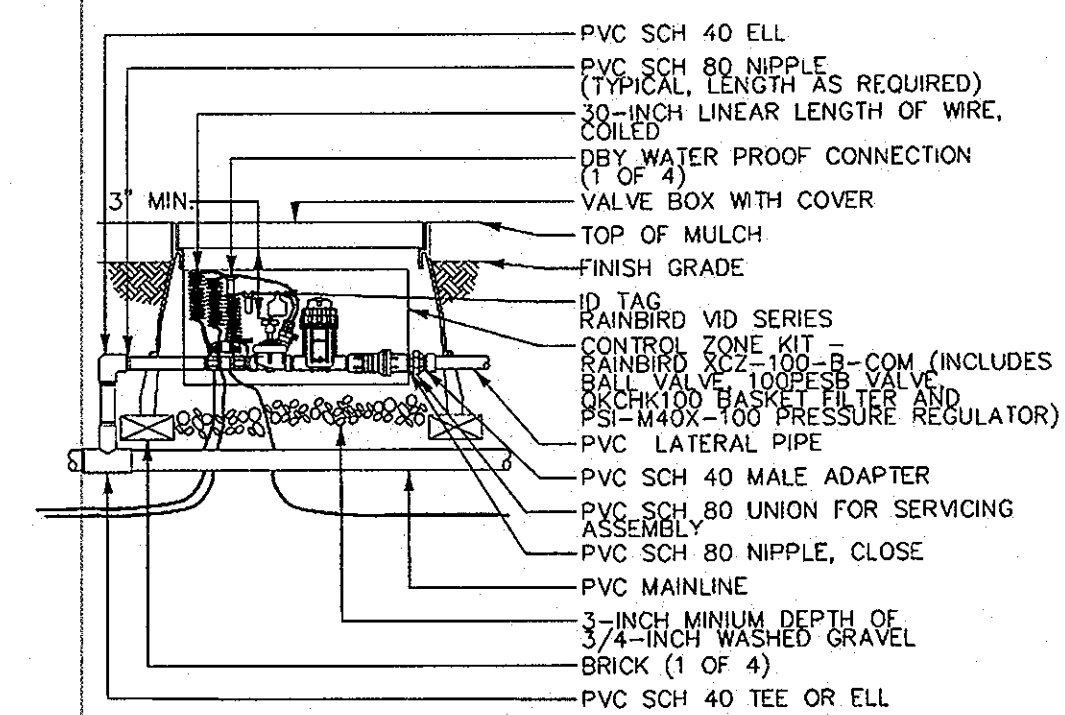
1 RAINWATER CONTROLLER
RAINWATER CONTROLLER



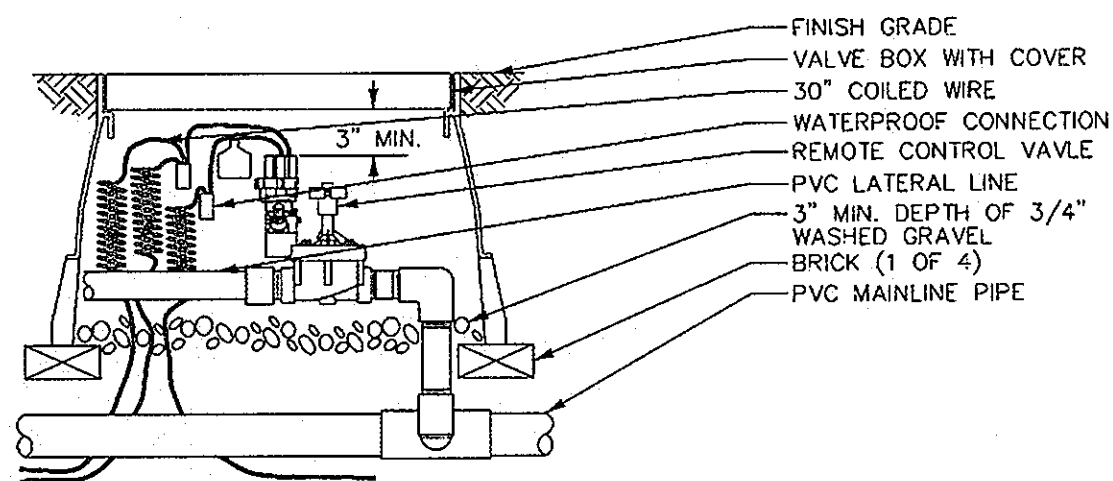
2 MAINLINE GATE VALVE
NOT TO SCALE



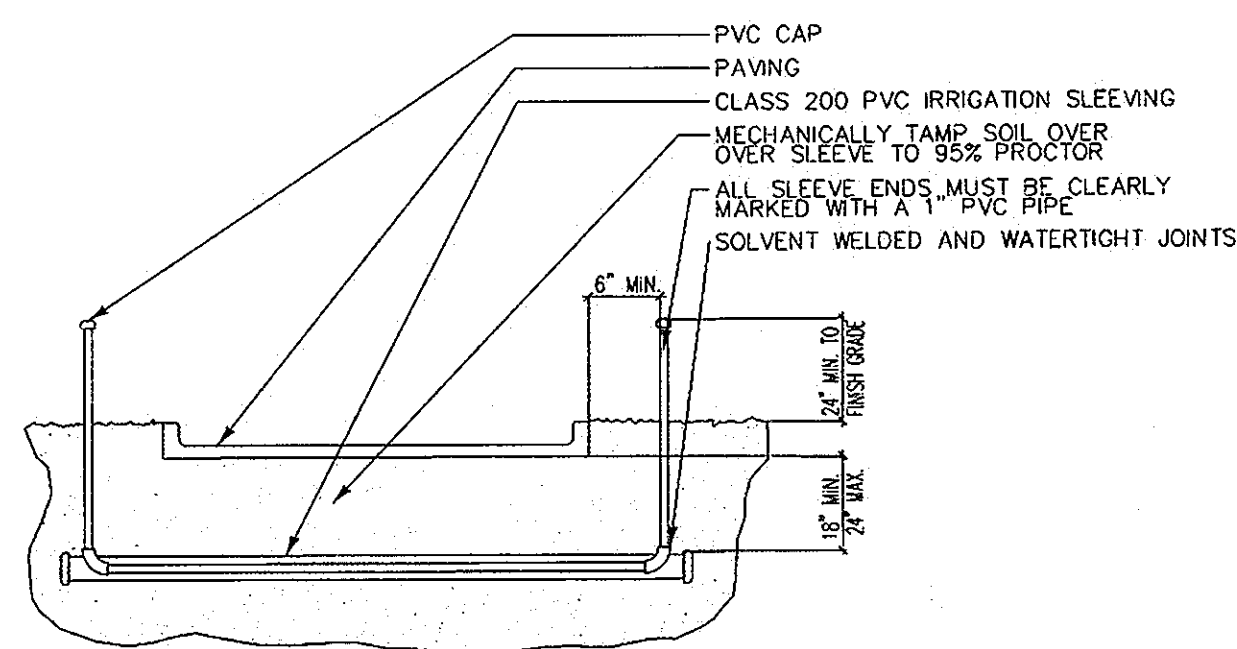
3 QUICK COUPLING VALVE
NOT TO SCALE



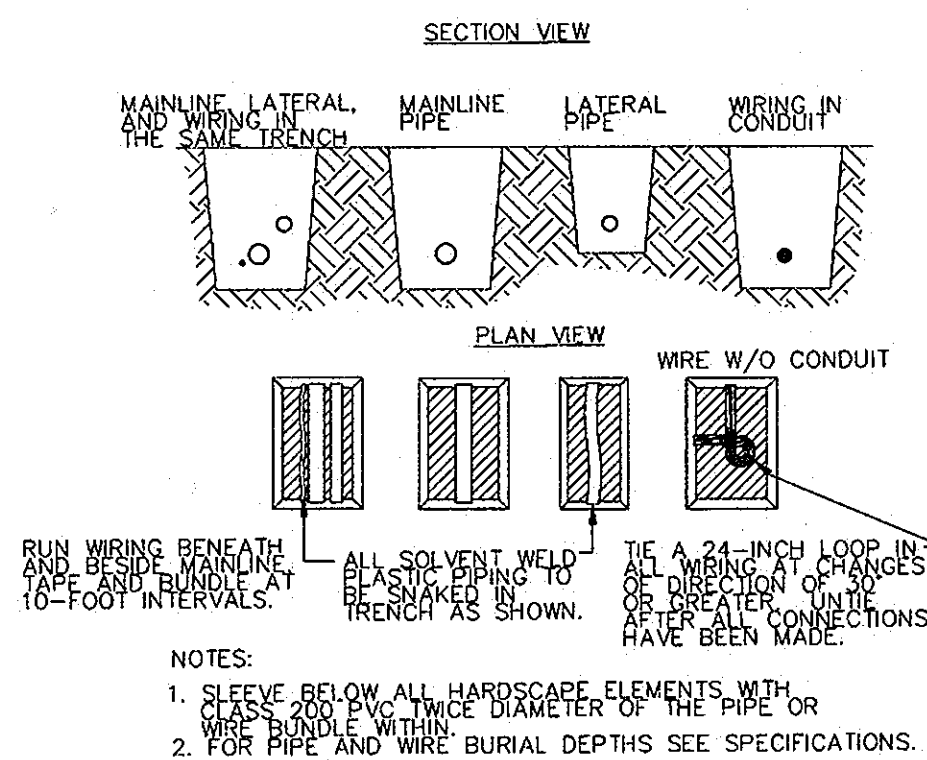
4 1" COMMERCIAL CONTROL ZONE KIT
WITH BASKET FILTER



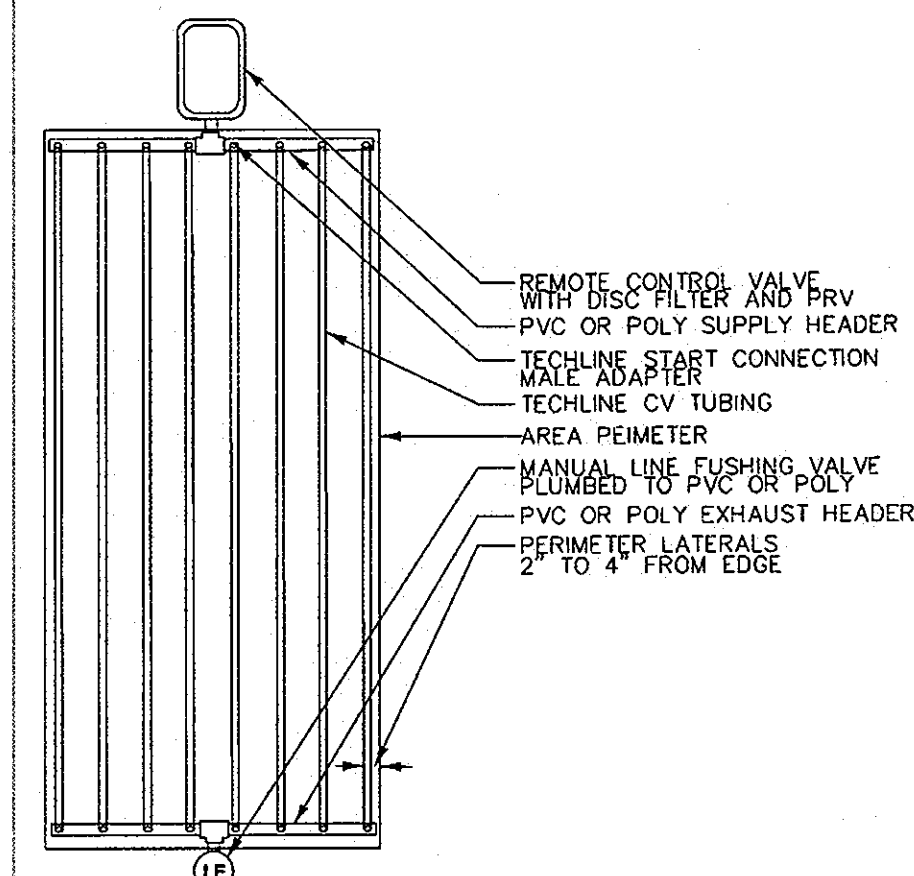
5 CONTROL VALVE
NOT TO SCALE



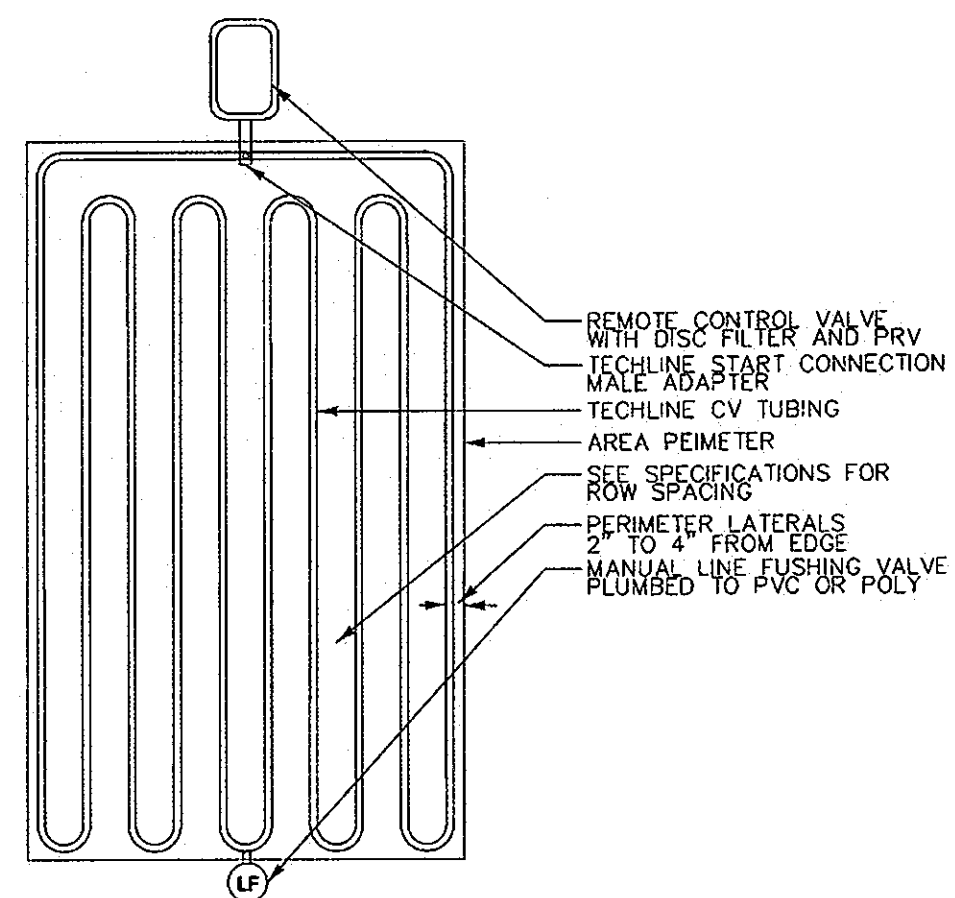
6 SLEEVING
NOT TO SCALE



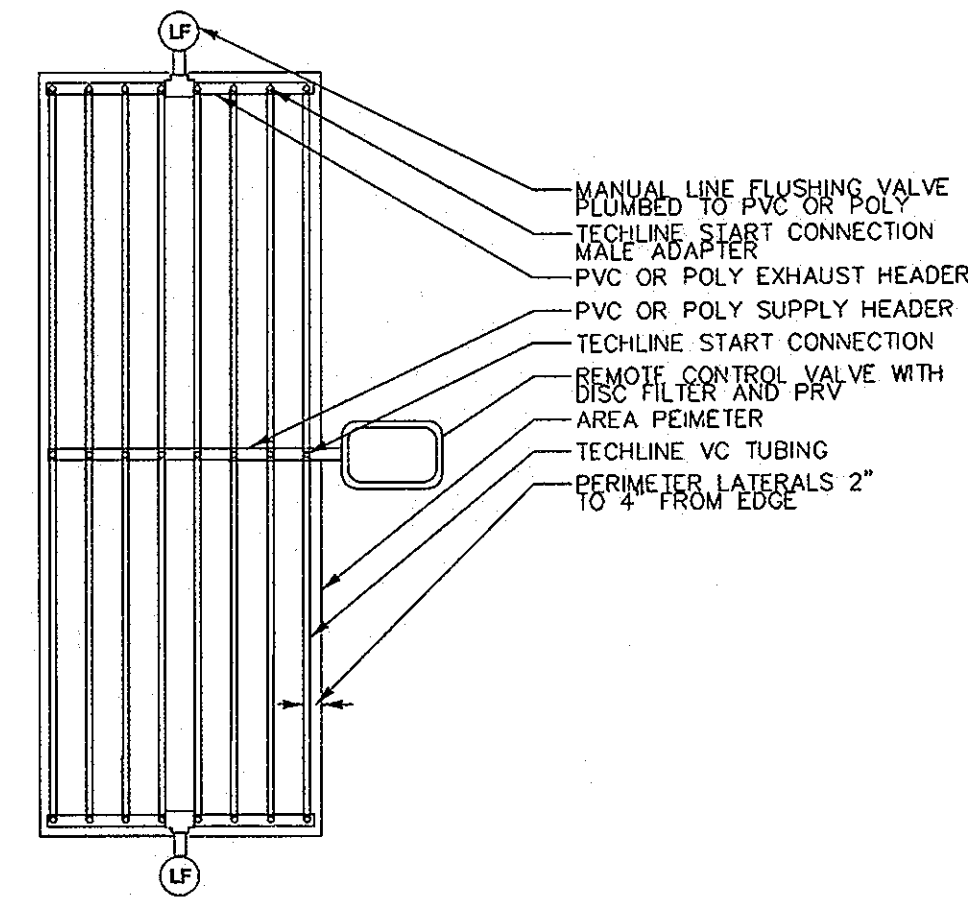
7 TRENCHING
NOT TO SCALE



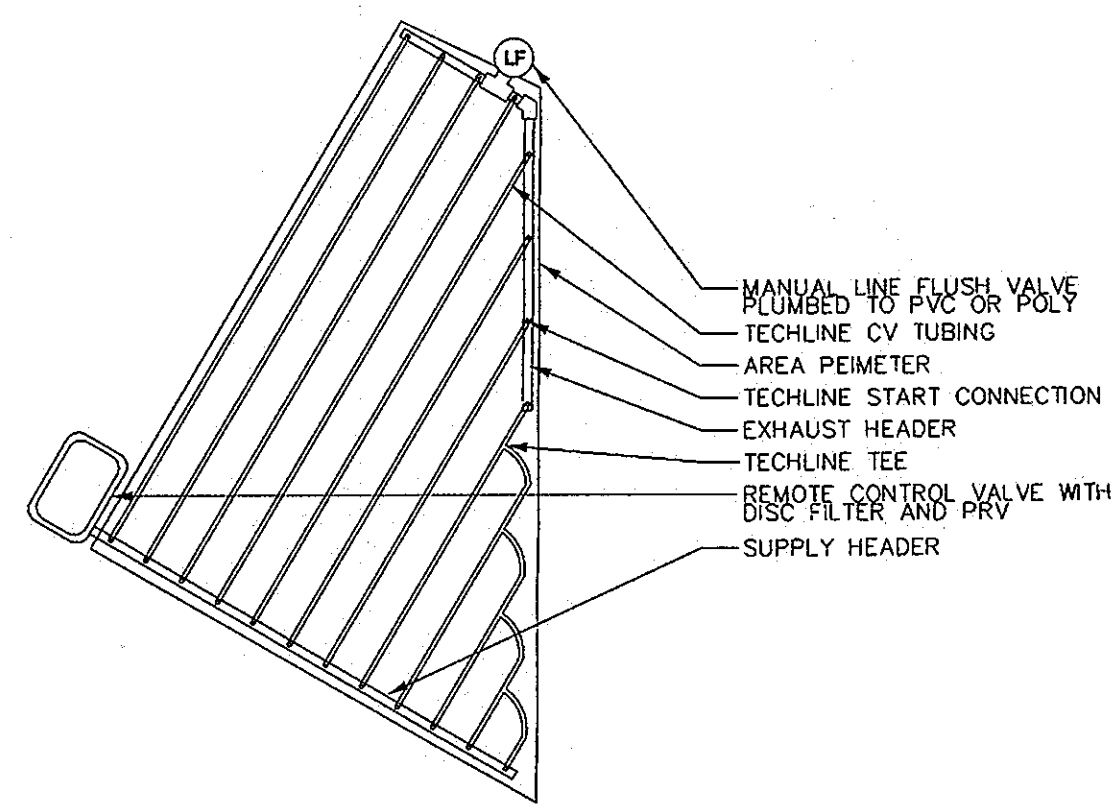
8 TECHLINE CV END FEED LAYOUT
NOT TO SCALE



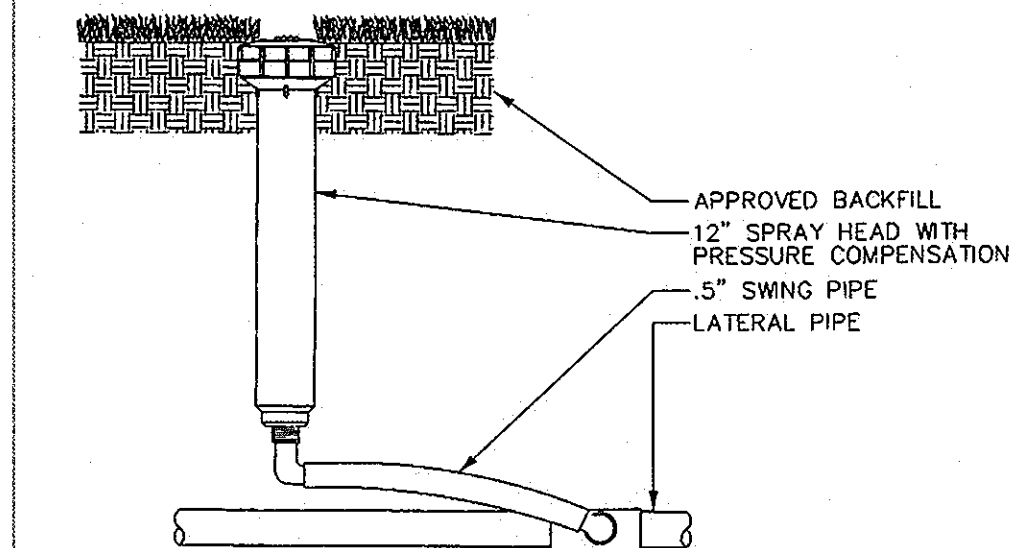
9 TECHLINE CV LITE END FEED LAYOUT
NOT TO SCALE



10 TECHLINE CV CENTER FEED LAYOUT
NOT TO SCALE

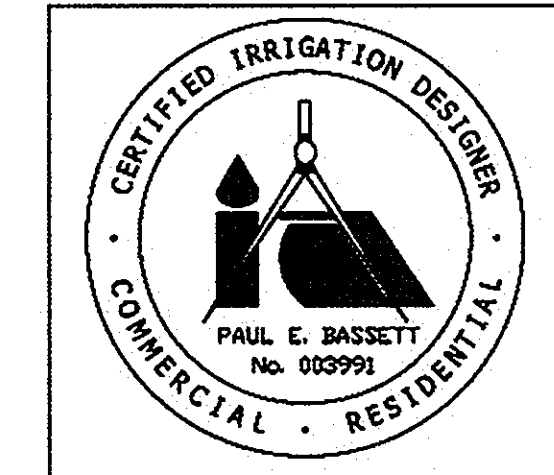


11 IRREGULAR AREAS: TRIANGULAR
NOT TO SCALE

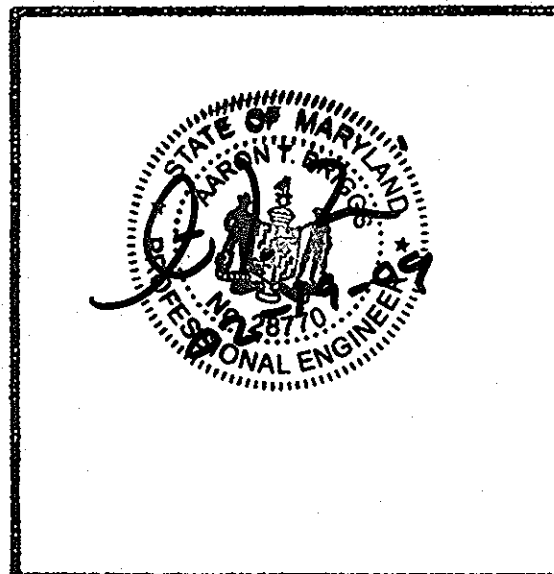


12 TURF SPRAY
NOT TO SCALE

IRRIGATION CONSULTANT
WATER MANAGEMENT, INC.
7781 WATERLOO ROAD
JESSUP, MD 20794
PHONE: 443-33-1222
FAX: 443-733-1238



REVISIONS		
NO.	DATE	DESCRIPTIONS

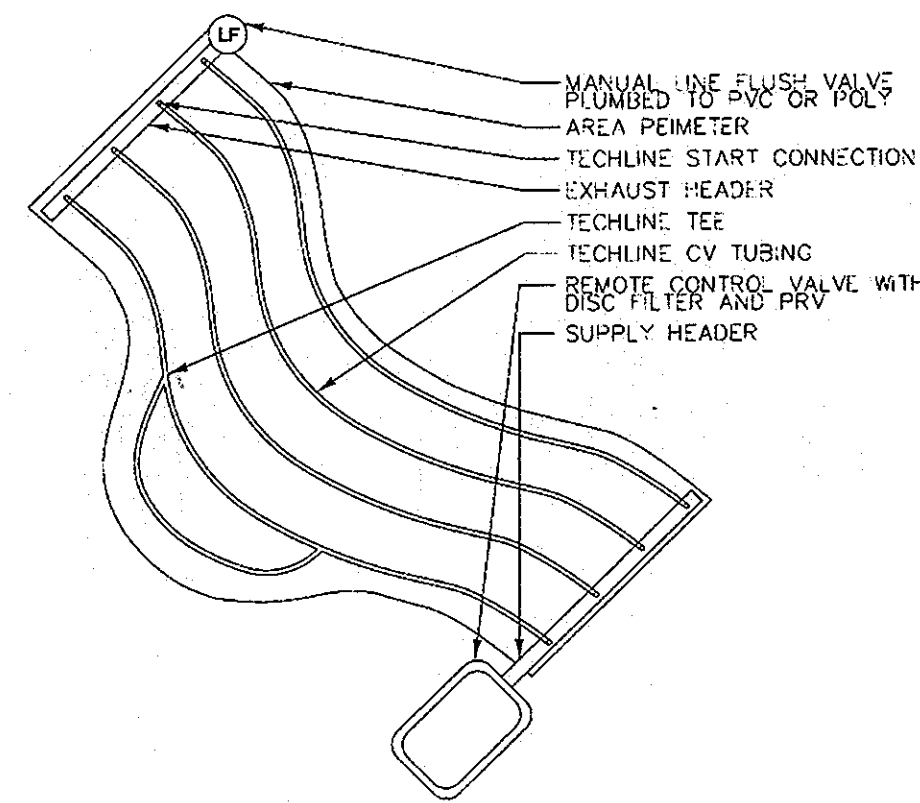


HOWARD COUNTY OFFICE BUILDING II
COCHRAN, STEPHENSON & DONKROVOIT ARCHITECTS
225 NORTH CHARLES ST. BALTIMORE, MD 21201
HENRY ADAMS, INC. MECH.-ELEC. ENGINEERS
133 WASHINGTON AVE. EOWSON, MD 21286
CIVIL
DAFT-McCUNE-WALKER, INC.
200 EAST PENNSYLVANIA AVE. TOWSON, MARYLAND 21286
PHONE: (410) 296-3323
FAX: (410) 296-4705

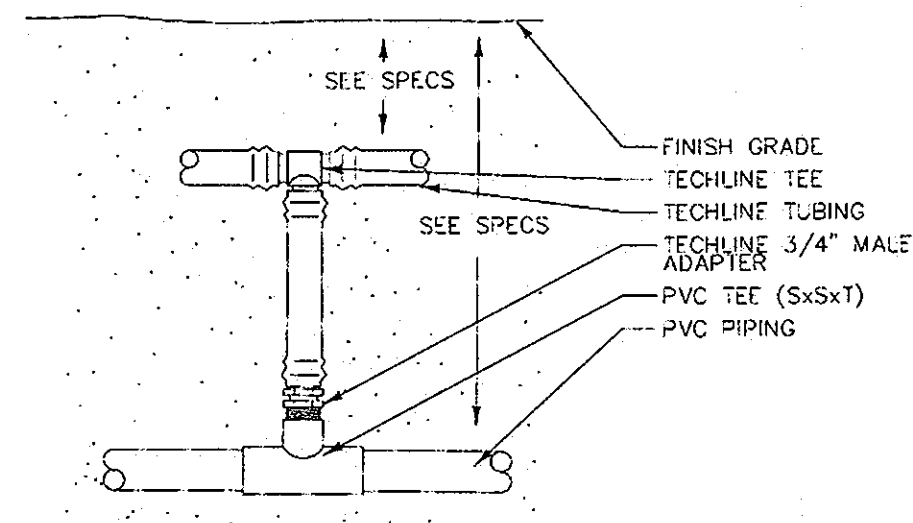
SUPPLEMENTAL SHEET
IRRIGATION / RAIN GARDEN
DETAILS

2nd ELECTION DISTRICT
TAX MAP 25 PARCEL 12
DRAWN: SL/KH
DESIGN: PB
CHECK: PB
DATE: 1/16/09
SHEET 19 of 20
DEPARTMENT OF PUBLIC WORKS
DRAWING NUMBER
GC 0102

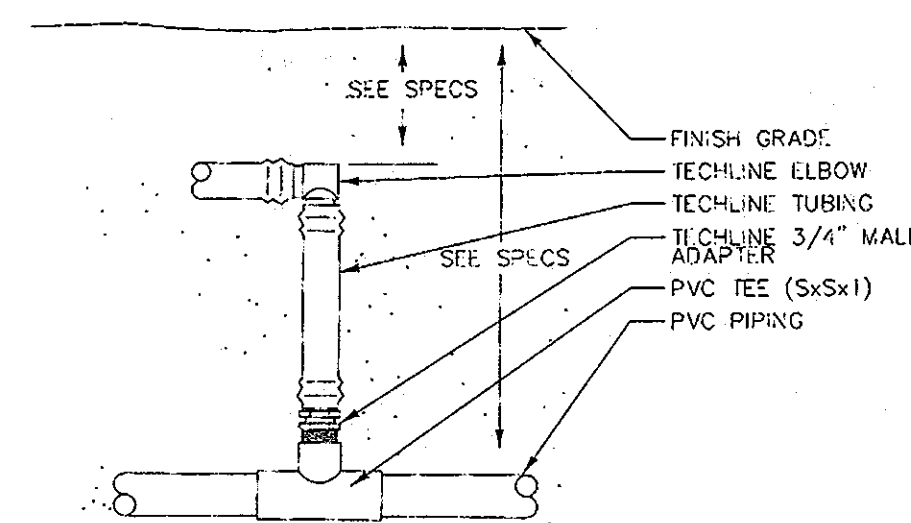
APPROVED: DEPARTMENT OF PLANNING & ZONING
[Signature] 3/4/09
CHIEF, DEV. ENG. DIV. DATE
[Signature] 3-9-09
CHIEF, DIV. OF LAND DEV. DATE
[Signature] 3/5/09
DIRECTOR DATE



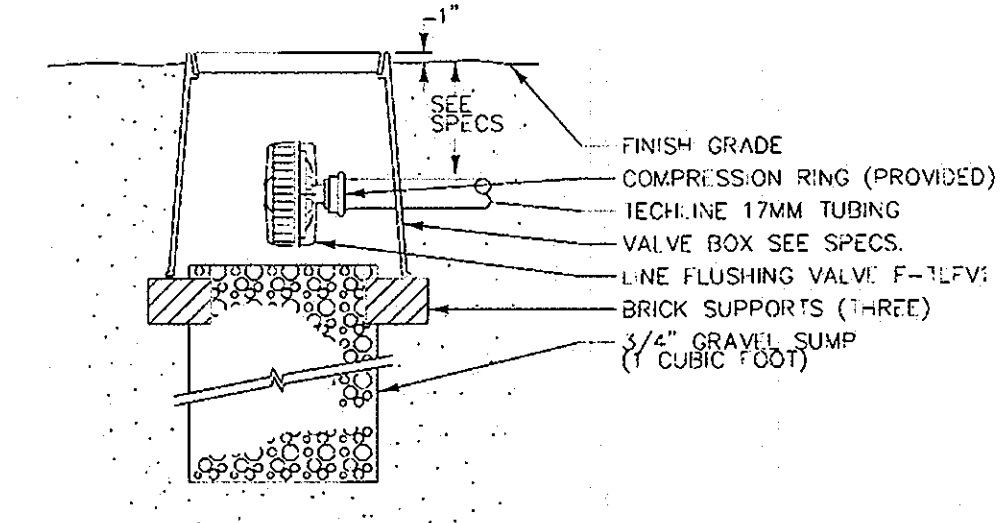
13 IRREGULAR AREAS: ODD CURVES
NOT TO SCALE



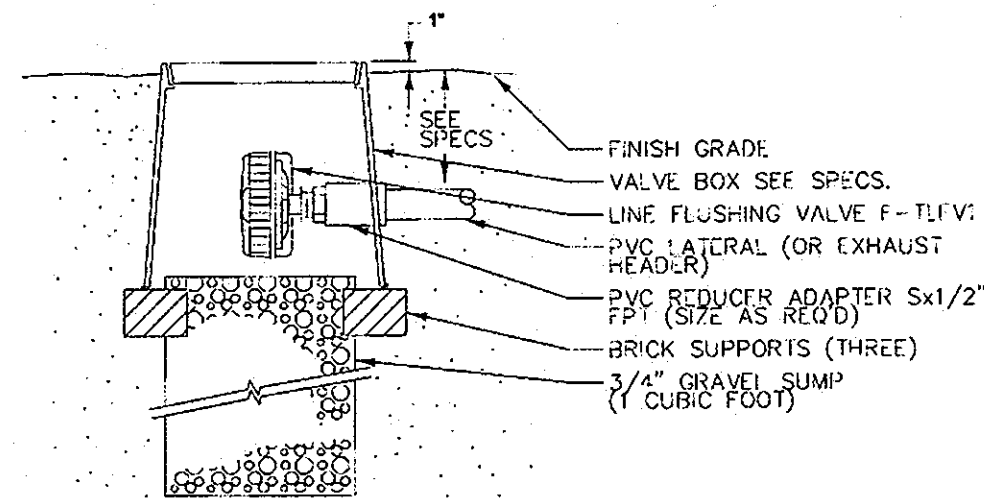
14 TECHLINE START CONNECTION
PVC TO TEE



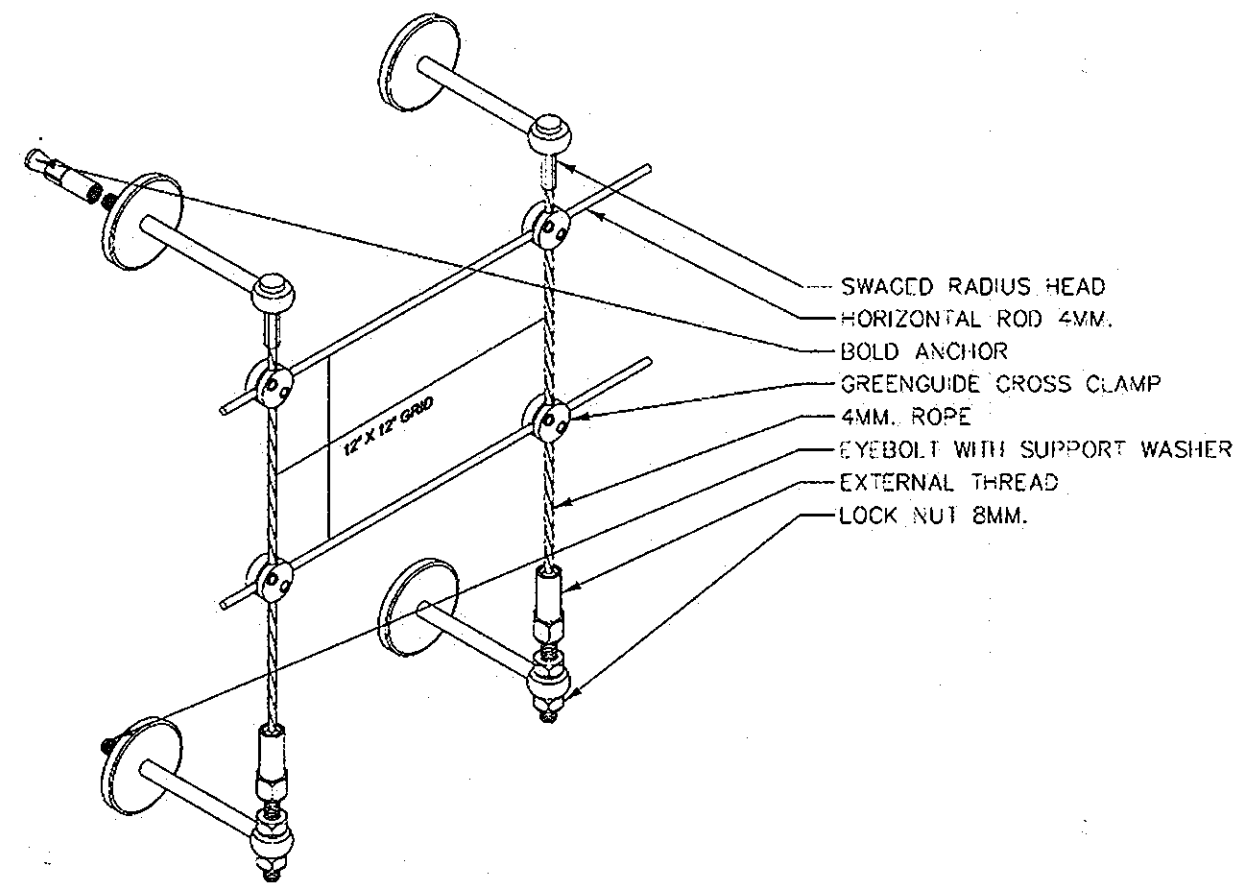
15 TECHLINE START CONNECTION
PVC TO ELBOW



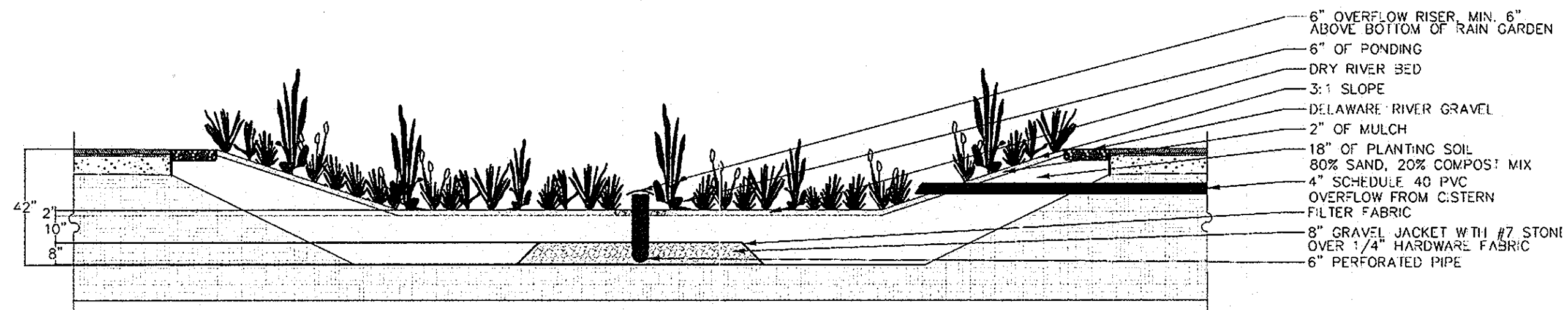
16 TECHLINE LINE FLUSHING VALVE
PLUMBED TO TECHLINE



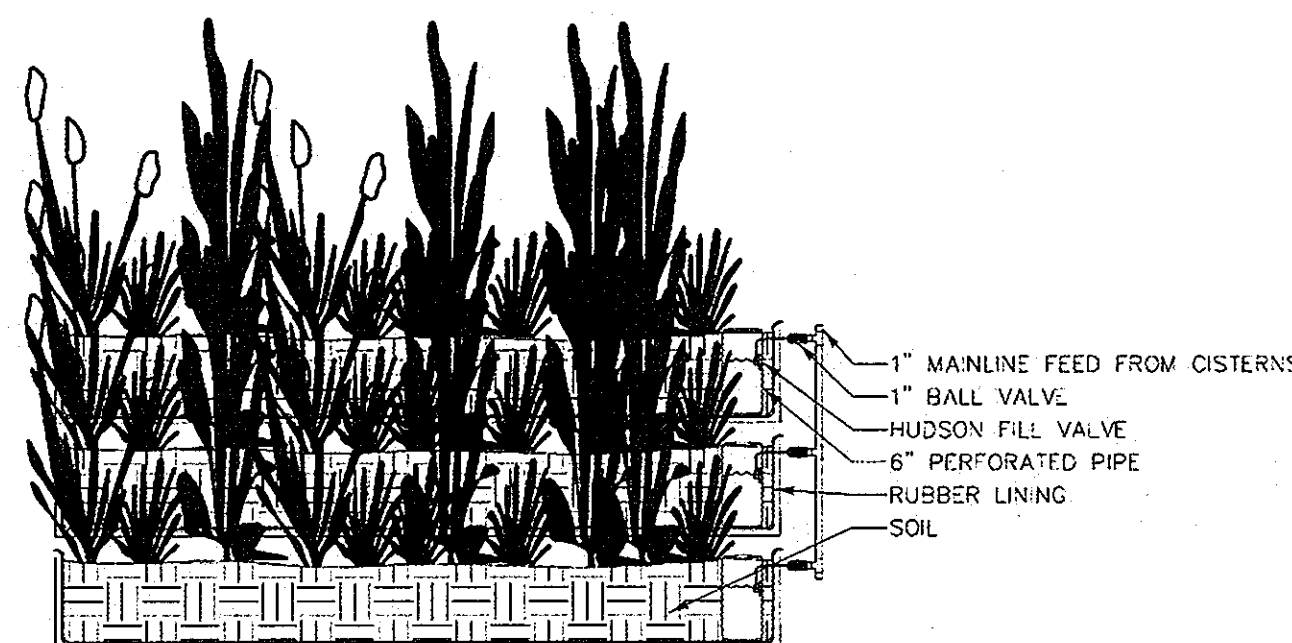
17 TECHLINE LINE FLUSHING VALVE
PLUMBED TO PVC



18 JAKOB INOX TRELIS
NOT TO SCALE



19 RAIN GARDEN
NOT TO SCALE

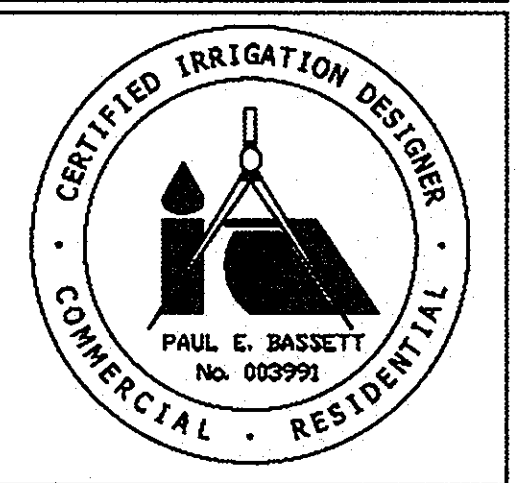


20 WETLAND TIERS
NOT TO SCALE

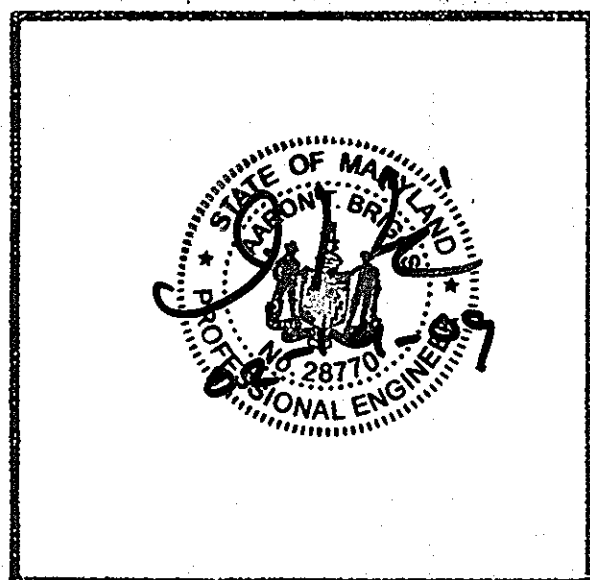
APPROVED: DEPARTMENT OF PLANNING & ZONING

<i>[Signature]</i>	5/4/07	
CHIEF, DES. ENG. DIV.	DATE	CE
T. Maunhardt for C. Hamilton	3-9-09	
CHIEF, DIV. OF LAND DEVELOPMENT	DATE	MS
<i>[Signature]</i>	5/9/09	
DIRECTOR	DATE	

IRRIGATION CONSULTANT
WATER MANAGEMENT, INC.
7781 WATERLOO ROAD
JESSUP, MD 20794
PHONE: 443-334-1232
FAX: 443-733-1238



REVISIONS	
NO.	DESCRIPTIONS



**HOWARD COUNTY
OFFICE BUILDING II**

COCHRAN, STEPHENSON & DONKEROUIT
INCORPORATED ARCHITECTS
935 NORTH CHARLES ST. BALTIMORE, MD 21206

HENRY ADAMS, INC.
MECH. - ELEC. ENGINEERS
1227 WASHINGTON AVE. TOWSON, MD 21284

CIVIL
DAFT-McCUNE-WALKER, INC.

200 EAST PENNSYLVANIA AVE.
TOWSON, MARYLAND 21286
PHONE: (410) 296-3333
FAX: (410) 296-4705

SUPPLEMENTAL SHEET
IRRIGATION / RAIN GARDEN
DETAILS CONTINUED

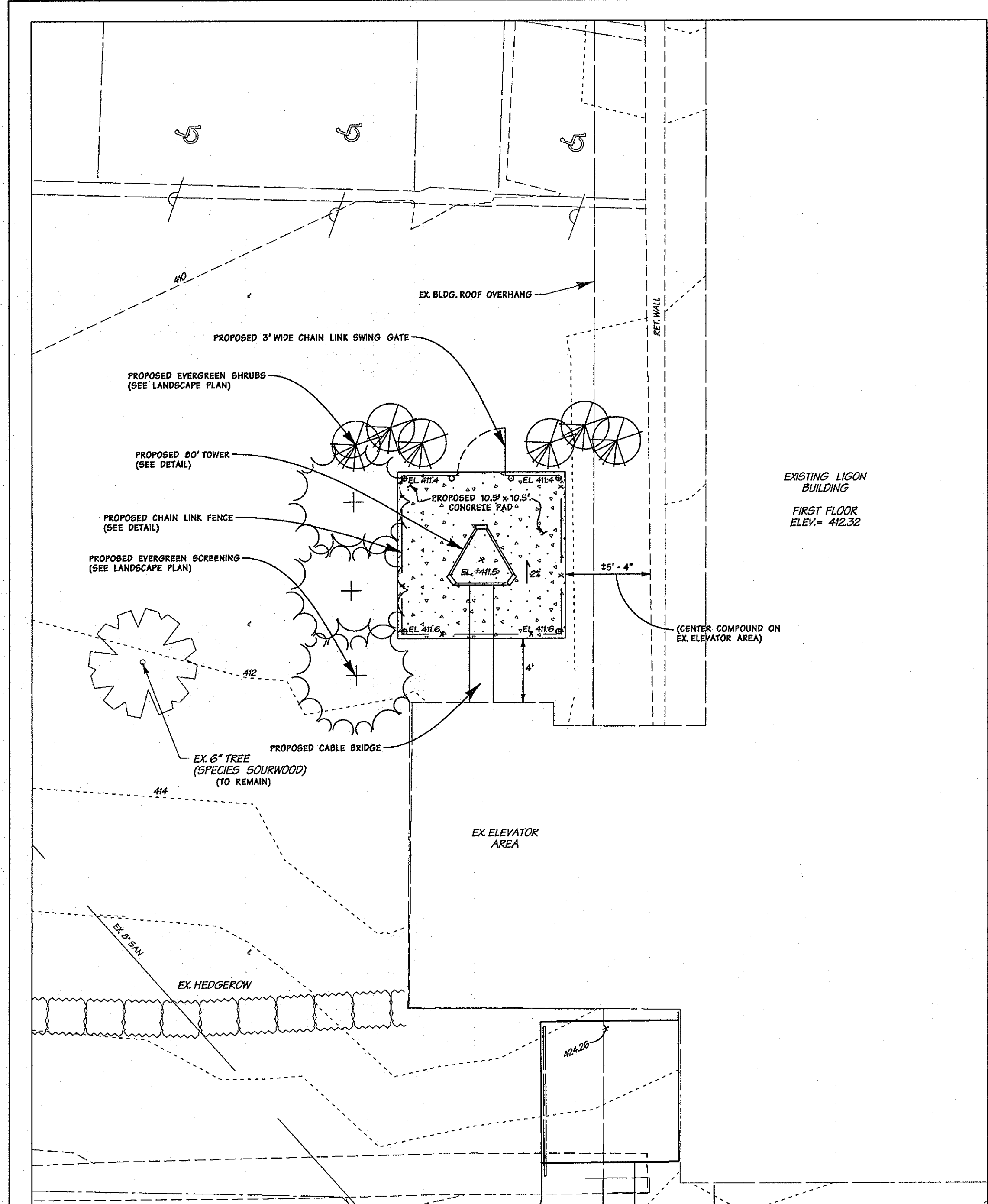
2nd ELECTION DISTRICT
TAX MAP 25 PARCEL 12

DRAWN: JKL/KH
DESIGN: PB
CHECK: PB
SCALE: N.T.S.
DATE: 1/16/09
SHEET 20 OF 20

DEPARTMENT OF PUBLIC WORKS
DRAWING NUMBER
GC 0102

20 of 20

SDP 79-04



TOWER COMPOUND DETAIL

LEGEND

- 140 --- EXISTING CONTOURS
- 142 --- EXISTING ROAD
- EXISTING ROAD
- EXISTING SIGN
- EXISTING TREE
- x --- PROPOSED CHAIN LINK FENCE
- PROPOSED TREE
- PROPOSED SHRUB

SCALE: 1"=5'

DATA SOURCES

ON-SITE TOPOGRAPHIC AND EXISTING FEATURES SHOWN HEREON REFLECTS THE RESULTS OF A FLOWN SURVEY BY VIRGINIA RESOURCE MAPPING (FEB. 9th, 2006).

ON-SITE TOPOGRAPHIC INFORMATION SHOWN HEREON SUPPLEMENTED WITH FIELD RUN TOPOGRAPHIC SURVEY COMPLETED BY DMW, INC ON 12/18/06, 10/12/07, 8/12/08, AND 4/16/09.

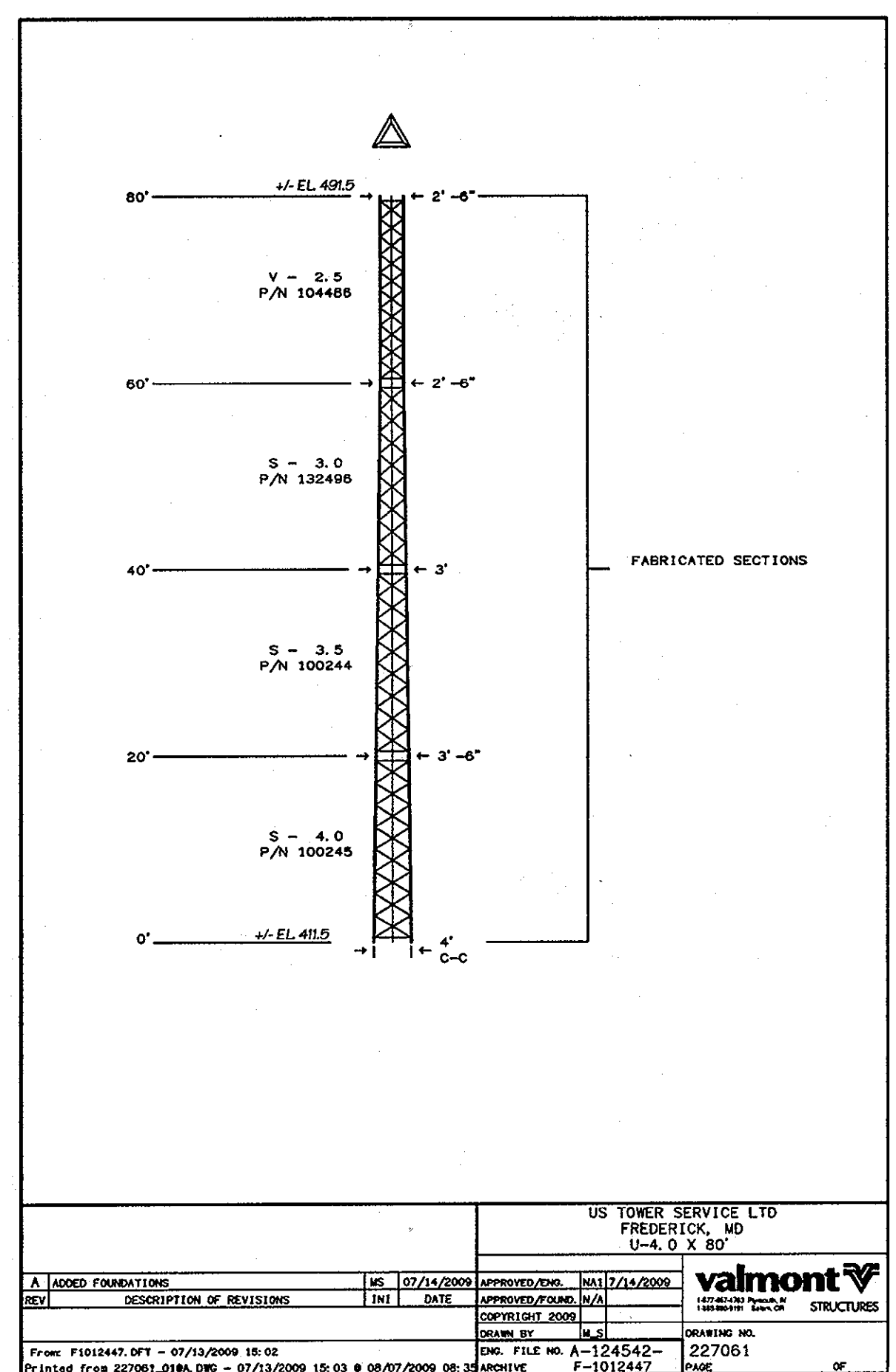
LOCATION OF UNDERGROUND UTILITIES IN VICINITY OF HOWARD BUILDING LOCATED BY INFRAMAP INC. (OCT 2006).

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chief Charles 9-11-9
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Cindy Hamilton 9-15-09
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Wanda Ingle 9-16-09
DIRECTOR DATE

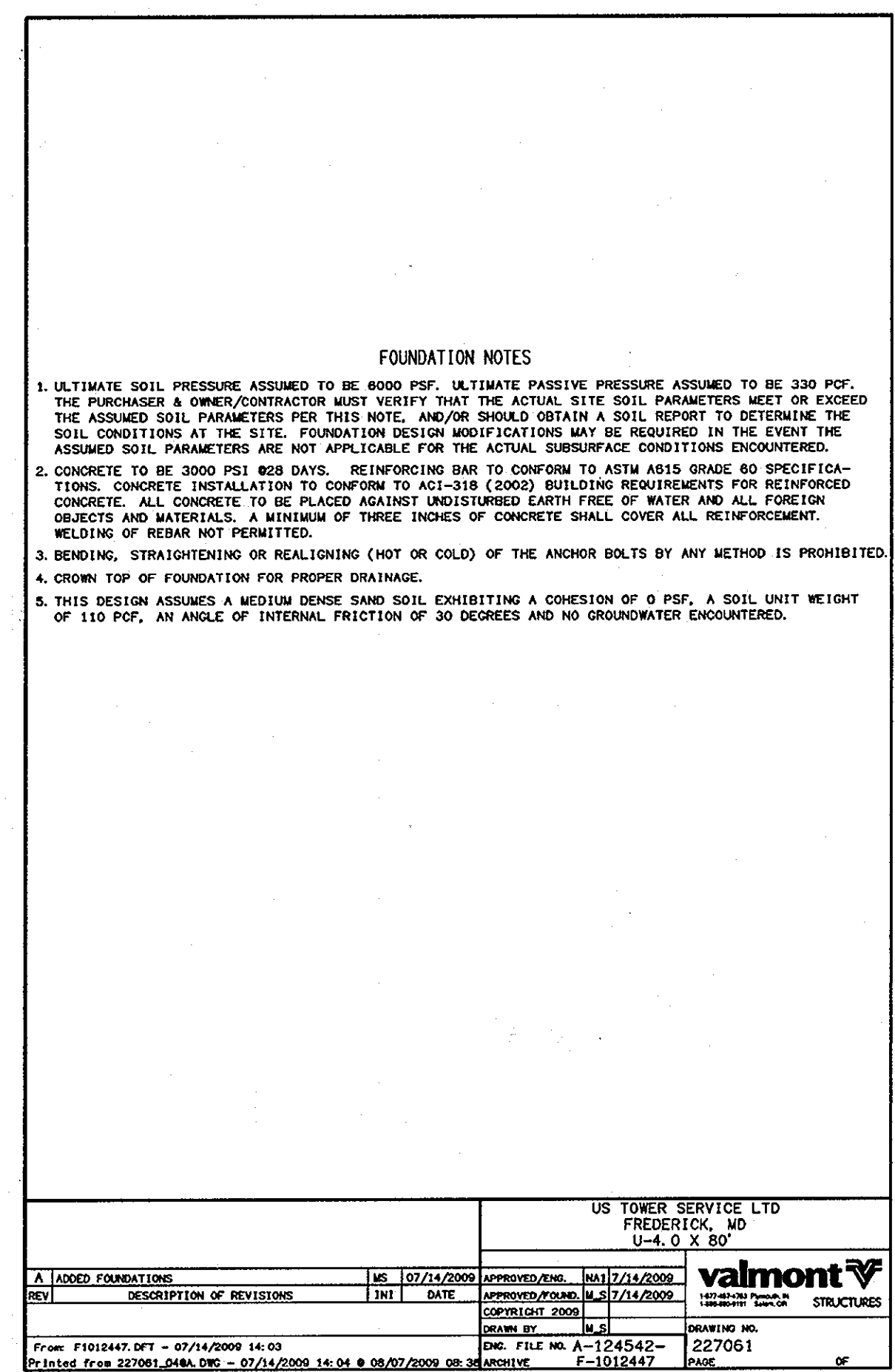


US TOWER SERVICE LTD
FREDERICK, MD
U-4, 0 X 80'

valmont
STRUCTURES

APPROVED/DATE	INTI	DATE	APPROVED/DATE	INTI	DATE
MS 07/14/2009	MS	07/14/2009	MS 07/14/2009	MS	07/14/2009

From: F1012447.DFT - 07/14/2009 14:03
Printed from 227061-048A.DWG - 07/13/2009 15:03 @ 08/07/2009 08:34

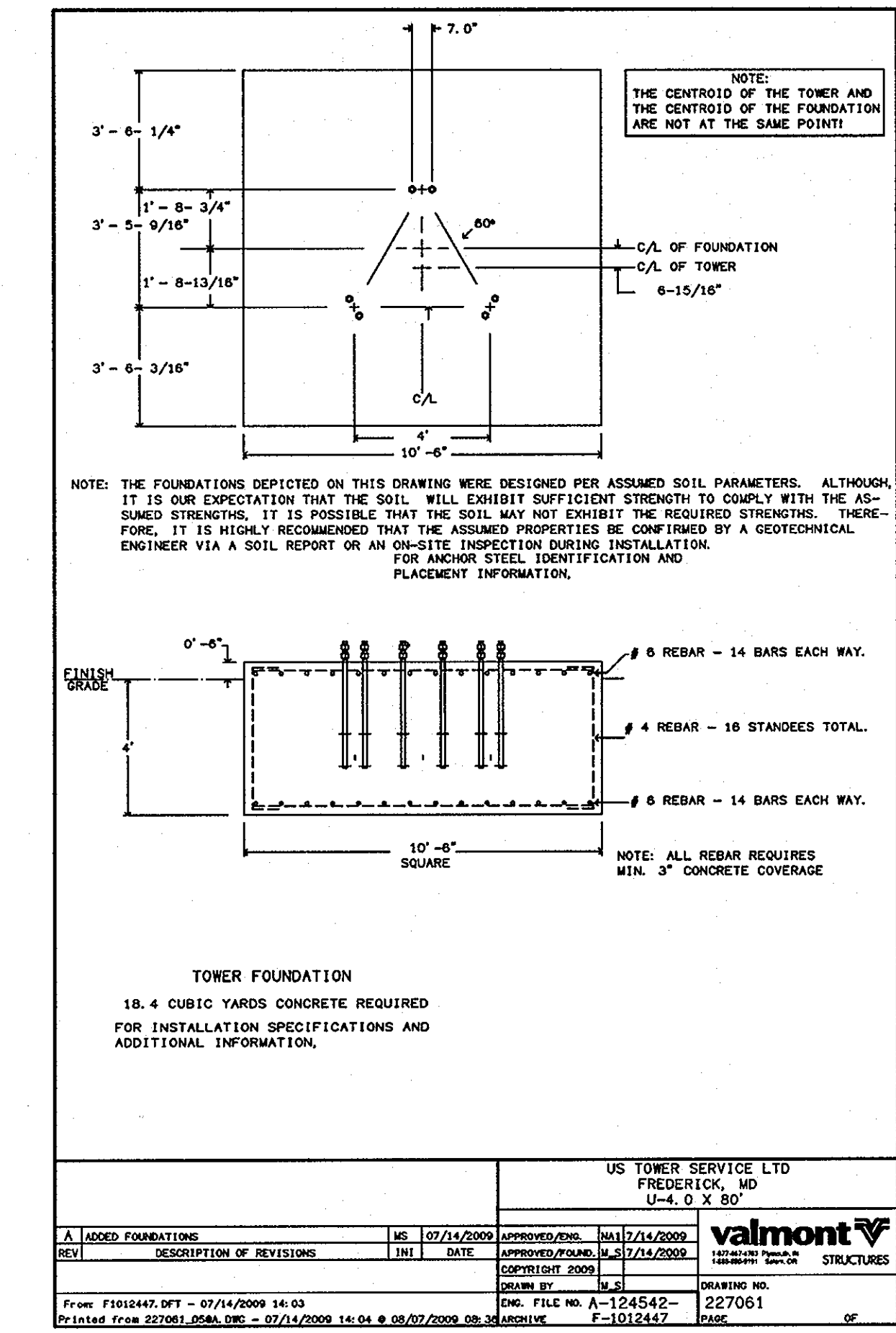


US TOWER SERVICE LTD
FREDERICK, MD
U-4, 0 X 80'

valmont
STRUCTURES

APPROVED/DATE	INTI	DATE	APPROVED/DATE	INTI	DATE
MS 07/14/2009	MS	07/14/2009	MS 07/14/2009	MS	07/14/2009

From: F1012447.DFT - 07/14/2009 14:03
Printed from 227061-048A.DWG - 07/13/2009 15:03 @ 08/07/2009 08:34

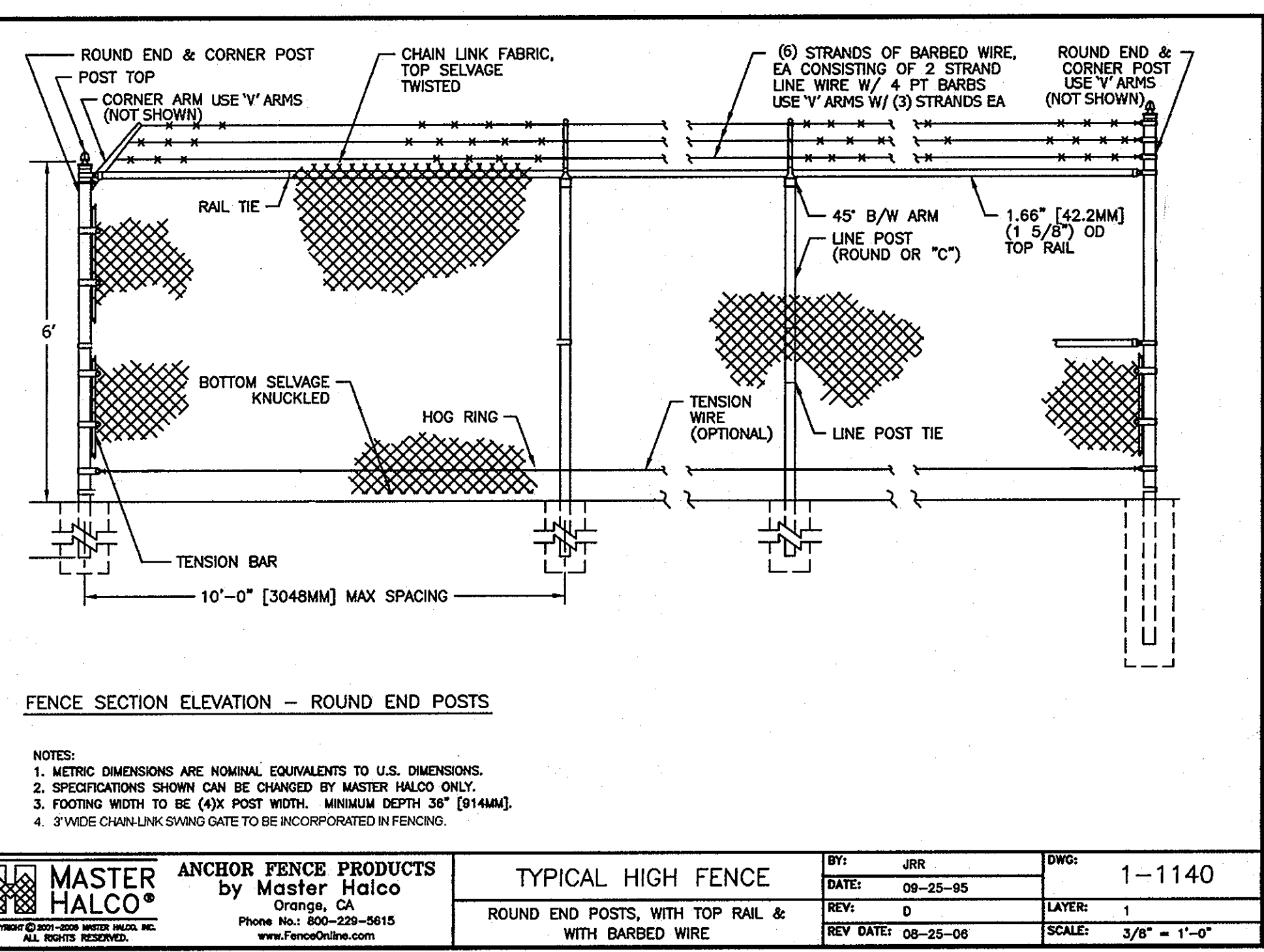


US TOWER SERVICE LTD
FREDERICK, MD
U-4, 0 X 80'

valmont
STRUCTURES

APPROVED/DATE	INTI	DATE	APPROVED/DATE	INTI	DATE
MS 07/14/2009	MS	07/14/2009	MS 07/14/2009	MS	07/14/2009

From: F1012447.DFT - 07/14/2009 14:03
Printed from 227061-048A.DWG - 07/13/2009 15:03 @ 08/07/2009 08:34



ANCHOR FENCE PRODUCTS
by Master Halco

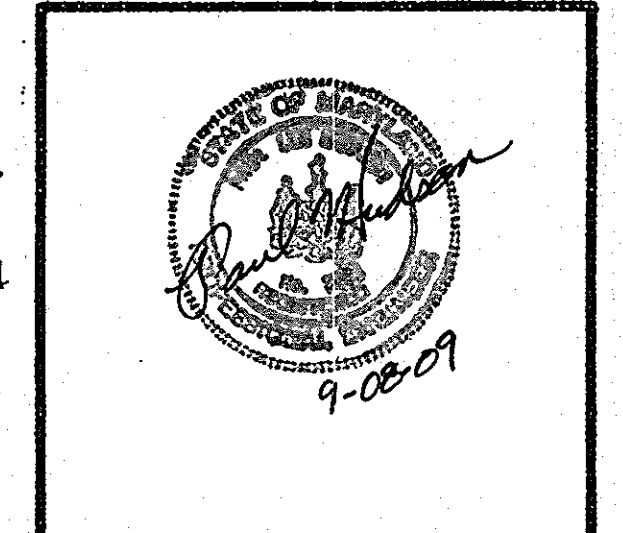
MASTER HALCO

Phone No: 800-239-5615
www.FenceOnline.com

BY: JRR
DATE: 08-25-05
REV: 0
REV DATE: 08-25-08

DWG: 1-1140
LAYER: 1
SCALE: 3/8" = 1'-0"

REVISIONS	
NO.	DESCRIPTIONS



PURPOSE STATEMENT:
THE PURPOSE OF THIS ADDITIONAL SHEET IS TO DOCUMENT THE SITE PLAN MODIFICATIONS ASSOCIATED WITH A PROPOSED 80 FT. SELF SUPPORT TOWER ADJACENT TO THE LIGON BUILDING.

HOWARD COUNTY OFFICE BUILDING II

COCHRAN, STEPHENSON & DONKREVOJT INCORPORATED ARCHITECTS
823 NORTH CHARLES ST. EAST GREEK, MD 21028

HENRY ADAMS, INC. MECH. - ELEC. ENGINEERS
137 WASHINGTON AVE. TOWSON, MD 21284

CIVIL
DAFT-McCUNE-WALKER, INC.
200 EAST PENNSYLVANIA AVE. TOWSON, MARYLAND 21286
PHONE: (410) 296-3333
FAX: (410) 296-4705

SUPPLEMENTAL SHEET
REVISED SITE DEVELOPMENT PLAN
TOWER COMPOUND ENLARGEMENT & DETAILS

2nd ELECTION DISTRICT
TAX MAP: 25 PARCEL 12

DRAWN: SHH
DESIGN: SHH
CHECK: MGM
SCALE: AS SHOWN
DATE: 8/20/2009
SHEET 20A OF 20

DEPARTMENT OF PUBLIC WORKS
DRAWING NUMBER
GC 0102

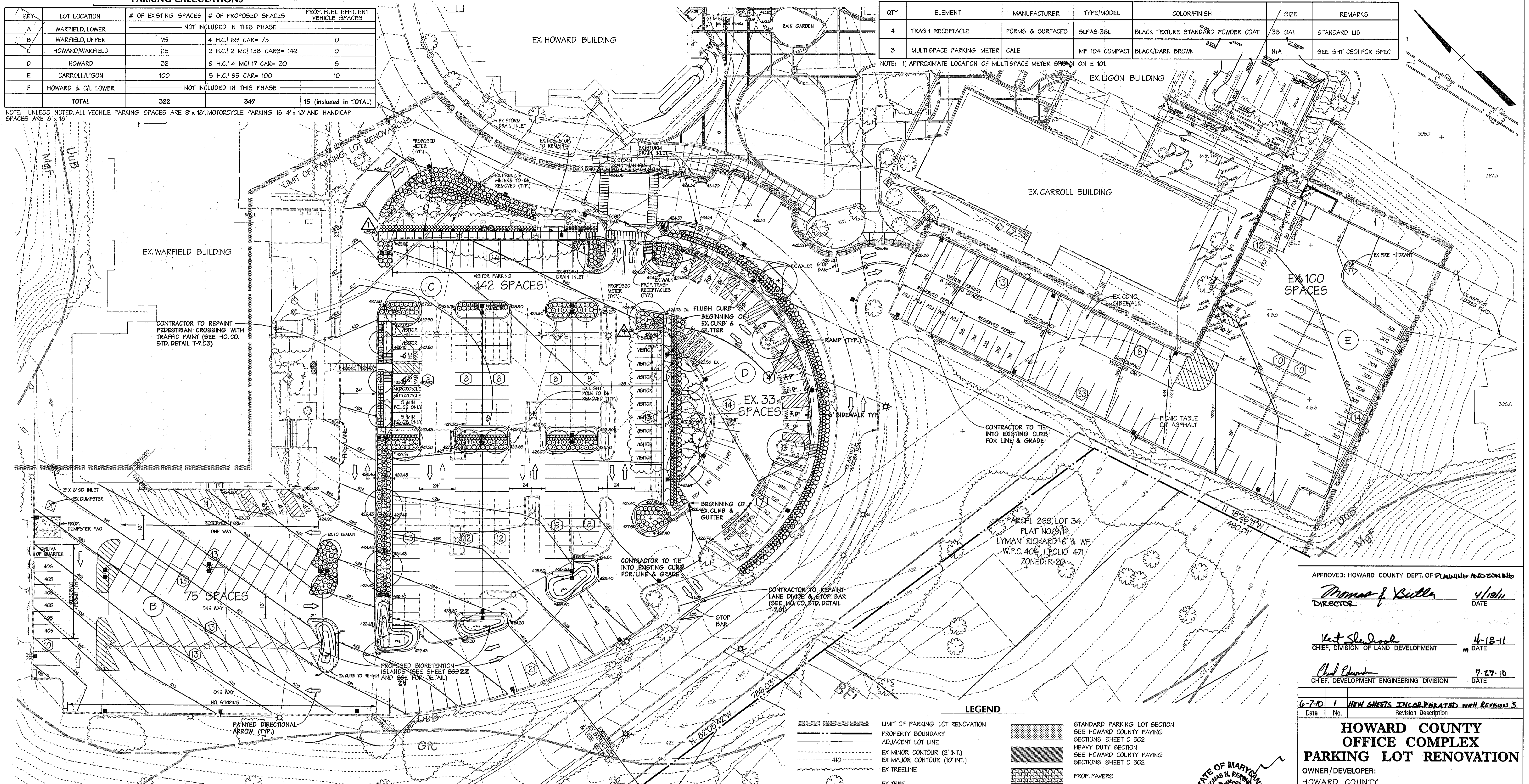
PARKING CALCULATIONS

KEY	LOT LOCATION	# OF EXISTING SPACES	# OF PROPOSED SPACES	PROP. FUEL EFFICIENT VEHICLE SPACES
A	WARFIELD, LOWER	NOT INCLUDED IN THIS PHASE		
B	WARFIELD, UPPER	75	4 H.C./ 69 CAR= 73	0
C	HOWARD/WARFIELD	115	2 H.C./ 2 MC/ 138 CARS= 142	0
D	HOWARD	32	9 H.C./ 4 MC/ 17 CAR= 30	5
E	CARROLL/LIGON	100	5 H.C./ 95 CAR= 100	10
F	HOWARD & CIL LOWER	NOT INCLUDED IN THIS PHASE		
TOTAL		322	347	15 (Included in TOTAL)

NOTE: UNLESS NOTED, ALL VEHICLE PARKING SPACES ARE 9'x18', MOTORCYCLE PARKING IS 4'x18' AND HANDICAP SPACES ARE 9'x18'

QTY	ELEMENT	MANUFACTURER	TYPE/MODEL	COLOR/FINISH	SIZE	REMARKS
4	TRASH RECEPTACLE	FORMS & SURFACES	SLPA9-36L	BLACK TEXTURE STANDARD POWDER COAT	36 GAL	STANDARD LID
3	MULTISPACE PARKING METER	CALE	MP 104 COMPACT	BLACK/DARK BROWN	N/A	SEE SH1 0501 FOR SPEC

NOTE: 1) APPROXIMATE LOCATION OF MULTISPACE METER SHOWN ON E 101.



CONTRACTOR TO REPAINT PEDESTRIAN CROSSING WITH TRAFFIC PAINT (SEE HO. CO. STD. DETAIL T-7.03)

CONTRACTOR TO TIE INTO EXISTING CURB FOR LINE & GRADE

CONTRACTOR TO REPAINT LANE DIVIDE & STOP BAR (SEE HO. CO. STD. DETAIL T-7.01)

PARCEL 269, LOT 34
PLAT NO. 2918
LYMAN RICHARD 'C' & W.F.
W.P.C. 404, J. POLIO 471
ZONED: R-20

LEGEND

- LIMIT OF PARKING LOT RENOVATION
- PROPERTY BOUNDARY
- ADJACENT LOT LINE
- EX. MINOR CONTOUR (2' INT.)
- EX. MAJOR CONTOUR (10' INT.)
- EX. TREELINE
- EX. TREE
- SOIL TYPE DELINEATION LINE
- ZONING
- EX. CURB & GUTTER
- EX. FIRE LANE
- EX. FENCE
- EX. STRUCTURE
- EX. WATER
- EX. FIRE HYDRANT
- EX. SEWER
- EX. STORM DRAIN
- EX. MANHOLES (I.E. SAN, SEW, ELECT, TEL, STRM DRN)
- EX. UNDERGROUND UTILITIES (I.E. EX. UG, UGE, UGT, & GAS)
- EX. LIGHT POLE
- EX. BOLLARD LIGHT
- EX. SIGNS
- EX. PARKING METERS
- STANDARD PARKING LOT SECTION SEE HOWARD COUNTY PAVING SECTIONS SHEET C 502
- HEAVY DUTY SECTION SEE HOWARD COUNTY PAVING SECTIONS SHEET C 502
- PROP. PAVERS
- PROP. STREET LIGHTS
- PROP. LIGHT FIXTURE
- FUEL EFFICIENT VEHICLE (HYBRID PARKING)
- PROP. TRASH RECEPTACLES
- PROP. MULTIMETERS
- PROP. DUMPSTER PAD
- SHADE TREES, EVERGREEN TREES AND SHRUBS

DATA SOURCES

OFF-SITE TOPOGRAPHIC INFORMATION, OFF-SITE EXISTING FEATURES, SOILS AND ZONING, SHOWN HEREON PROVIDED BY THE HOWARD COUNTY OFFICE OF INFORMATION TECHNOLOGY GEOGRAPHIC INFORMATION SYSTEMS (GIS), DATED 10/09/07

ON-SITE TOPOGRAPHIC AND EXISTING FEATURES SHOWN HEREON REFLECTS THE RESULTS OF A FLOWN SURVEY BY VIRGINIA RESOURCE MAPPING (FEB. 9th, 2006).

ON-SITE TOPOGRAPHIC INFORMATION SHOWN HEREON SUPPLEMENTED WITH FIELD RUN TOPOGRAPHIC SURVEY COMPLETED BY DMW, INC ON 12/18/06, 10/21/07, 8/12/08 AND 11/20/08.

LOCATION OF UNDERGROUND UTILITIES IN VICINITY OF HOWARD BUILDING LOCATED BY INFRAMAP INC. (OCT 2006).

EXISTING INVERT ELEVATIONS OF UTILITIES OBTAINED FROM COUNTY PLANS.

TEST HOLE INFORMATION FOR UTILITY CROSSINGS RECEIVED FROM SO-DEEP, INC., DATED 10/28/08.

Master Plant List

Quantity	Code	Genus/Species	Common Name	Size	Condition	Remarks
SHADE/MAJOR DECIDUOUS TREES						
3	AC	Acer campestre	Hedge Maple	2-2 1/2" Cal.	B & B	Full Crown
11	QR	Quercus rubra	Red Oak	2-2 1/2" Cal.	B & B	Full Crown
MINOR DECIDUOUS TREES						
11	MY	Magnolia virginiana	Sweet Bay Magnolia	8' Ht.	B & B	Clump, Min 3 trunks
EVERGREEN TREES						
4	IO	Ilex opaca 'Miss Helen'	'Miss Helen' American Holly	7'-8' Height	B & B	Full, Heavy
SHRUBS						
454	JC	Juniperus conferta 'Blue Pacific'	'Blue Pacific' Shore Juniper	#3	#Cont.	
17	MP	Myrica pensylvanica	Northern Bayberry	#7	#Cont.	
PERENNIALS/GRASSES						
149	PV	Panicum virgatum 'Shenandoah'	'Shenandoah' Switch Grass	3' - 4' Ht.		36" O.C.
842	PO	Pennisetum orientale 'Karley Rose'	'Karley Rose' Oriental Fountain Grass	2' - 3' Ht., 2' Sp.		24" O.C.
MULCH						
All planting beds to be mulched with 4" depth cedar bark mulch.						

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

Mona J. Butler 4/18/11
DIRECTOR DATE

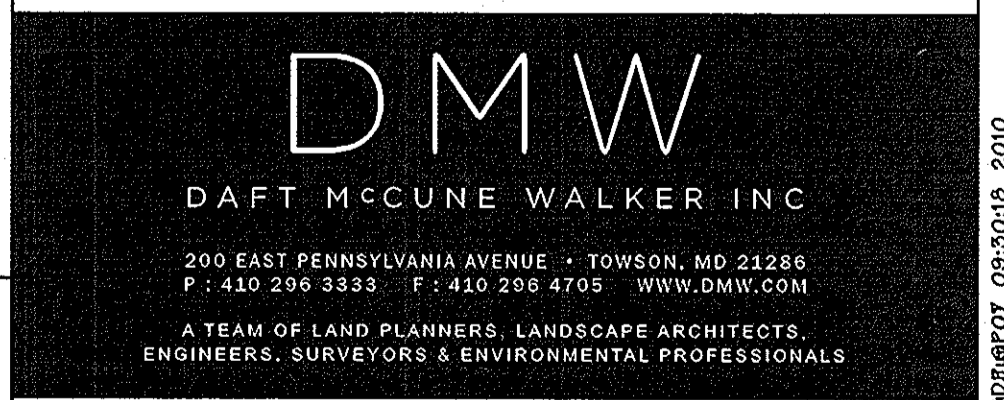
Keith S. DeLoach 4-18-11
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Paul Plummer 7.27.10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

6-7-10 1 NEW SHEETS INCORPORATED WITH REVISION 5
Date No. Revision Description

HOWARD COUNTY OFFICE COMPLEX PARKING LOT RENOVATION

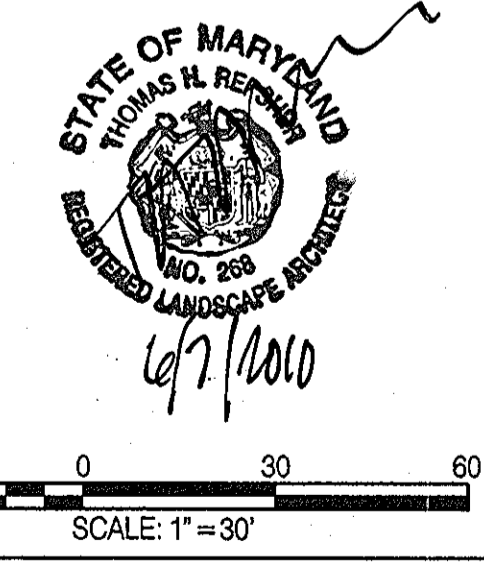
OWNER/DEVELOPER:
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3430 COURT HOUSE DRIVE
ELLICOTT CITY, MARYLAND 21043



AREA
ELLICOTT CITY
TAX MAP 25 PARCEL 10 & 12
2ND ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

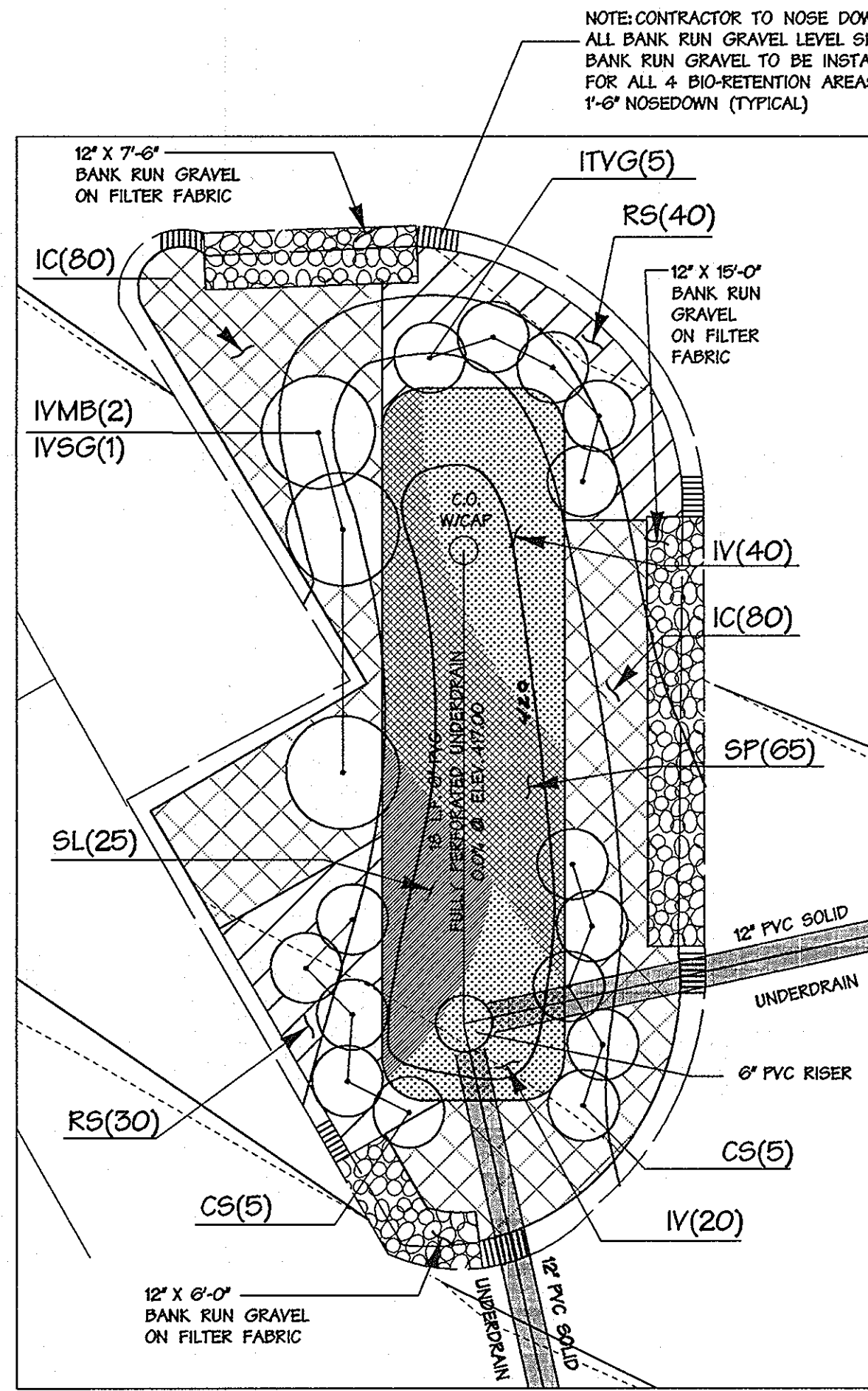
PARKING LOT AND LANDSCAPE SITE PLAN

Des. By	THR	Scale	1"=30'	Proj. No.	01001.K1
Dim. By	JSS	Date	3/26/10		
Chk. By	Approved			21 of 27	

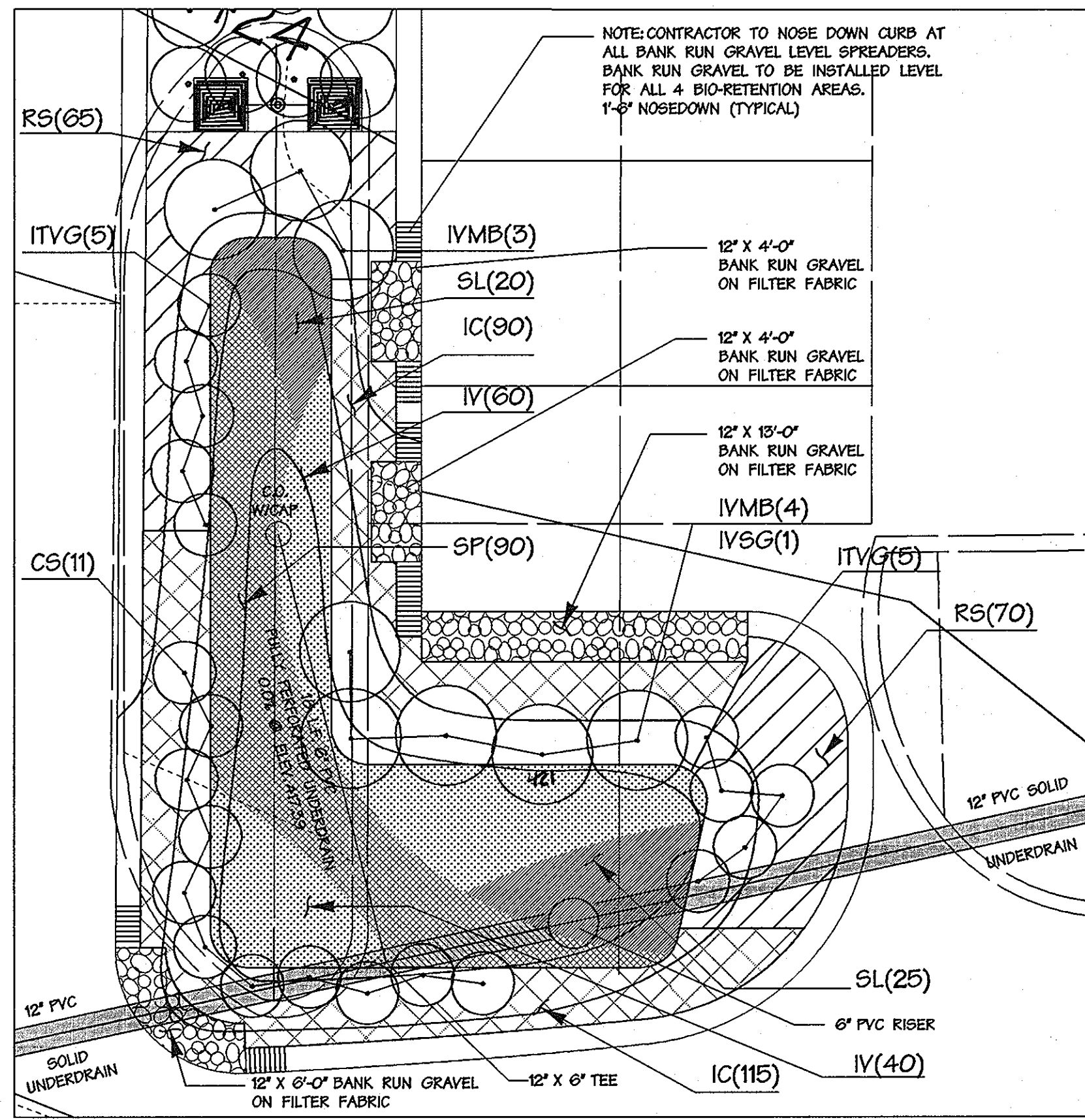


PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 8061, EXPIRATION DATE: 8-16-11.

6-7-10
Date
Professional Engr. No. 8061



PLANTING DETAIL "A"
SCALE: 1"=5'



PLANTING DETAIL "B"
SCALE: 1"=5'

DETAIL "A" PLANT LIST

Quantity	Code	Genus/Species	Common Name	Size	Condition	Remarks
SHRUBS						
1	IVSG	Ilex verticillata 'Southern Gentleman'	'Southern Gentleman' Winterberry	#5	CONT.	As Shown
2	IVMB	Ilex verticillata 'Maryland Beauty'	'Maryland Beauty' Winterberry	#5	CONT.	As Shown
5	ITVG	Itea virginica 'Henry's Garnet'	Virginia Sweetpire	#5	CONT.	As Shown
ORNAMENTAL GRASSES						
10	CS	Carex stricta	Tussock Sedge	1 Quart	CONT.	As Shown
UPLAND PERENNIALS						
160	IC	Imperata cylindrica 'Red Baron'	'Red Baron' Japanese Blood Grass	1 Quart	CONT.	12" O.C.
70	RS	Rudbeckia speciosa 'Vietta's Little Suzy'	'Vietta's Little Suzy' Black-eyed Susan	1 Quart	CONT.	12" O.C.
WETLAND PERENNIALS						
60	IV	Iris versicolor	Blue Flag Iris	1 Quart	CONT.	12" O.C.
25	SL	Sagittaria latifolia	Duck Potato	1 Quart	CONT.	12" O.C.
65	SP	Scirpus pungens	Three-Square	1 Quart	CONT.	12" O.C.
MULCH						
All planting beds to be mulched with 4" depth cedar bark mulch.						

DETAIL "B" PLANT LIST

Quantity	Code	Genus/Species	Common Name	Size	Condition	Remarks
SHRUBS						
1	IVSG	Ilex verticillata 'Southern Gentleman'	'Southern Gentleman' Winterberry	#5	CONT.	As Shown
7	IVMB	Ilex verticillata 'Maryland Beauty'	'Maryland Beauty' Winterberry	#5	CONT.	As Shown
10	ITVG	Itea virginica 'Henry's Garnet'	Virginia Sweetpire	#5	CONT.	As Shown
ORNAMENTAL GRASSES						
11	CS	Carex stricta	Tussock Sedge	1 Quart	CONT.	As Shown
UPLAND PERENNIALS						
205	IC	Imperata cylindrica 'Red Baron'	'Red Baron' Japanese Blood Grass	1 Quart	CONT.	12" O.C.
135	RS	Rudbeckia speciosa 'Vietta's Little Suzy'	'Vietta's Little Suzy' Black-eyed Susan	1 Quart	CONT.	12" O.C.
WETLAND PERENNIALS						
100	IV	Iris versicolor	Blue Flag Iris	1 Quart	CONT.	12" O.C.
45	SL	Sagittaria latifolia	Duck Potato	1 Quart	CONT.	12" O.C.
90	SP	Scirpus pungens	Three-Square	1 Quart	CONT.	12" O.C.
MULCH						
All planting beds to be mulched with 4" depth cedar bark mulch.						

BIORETENTION FACILITIES

STANDARDS AND SPECIFICATIONS FOR BIORETENTION PLANTING

1. Plant Material Selection

- A. Sound, healthy, vigorous, free from plant diseases, insect pests or their eggs.
- B. Plants cut back from larger sizes or pruned prior to delivery will not be accepted.
- C. It is anticipated that these plants will need to be obtained from a nursery source. These plants species are normally unavailable from standard landscape nursery sources. The contractor shall obtain these plants from an approved nursery within 150 miles of the project site.
- D. Shape and Form: Plant materials shall be symmetrical and typical for the variety and species.
- F. Container: The soil/root masses shall be thoroughly moist upon delivery to the job site. Any dry and light weight plants shall be rejected. If not planted immediately after being delivered to the job site, the plants shall be stored out of direct exposure to the sun and wind and their root masses maintained moist, through periodic watering, until the time of planting.

Until the removal of the plants from the containers, the soil/root masses shall be the size of the specified container size. If the soil/root masses are substantially smaller than the specified container size and loose soil exists on the bottom of the containers, the plants will be rejected since they have not been grown sufficiently long in the containers to root into the soils contained therein.

The plants shall appear healthy with no leaf spots, leaf damage, leaf discolorations, leaf wilting, or evidence of insects on the leaves.

The container size shall be at least as large as indicated in the specifications or shown in the plant tables/lists. Plants shall not be rejected if supplied in containers larger than specified.

- G. Fiber or Peat Pot: If not planted immediately after being delivered to the job site, the plants shall be stored out of direct exposure to the sun and wind and their pots and associated root masses maintained moist, through periodic watering, until the time of planting.

The plants shall be well-rooted through the sides and bottoms of the pots and firmly contained therein.

Should the plants be removed from the pots by holding them from their tops and gently pulling on the pots, the plants shall be rejected.

If growing, the plants shall appear healthy with no foliar spots, discolorations, wilting, or other evidence of the presence of disease or insects.

The pot size shall be at least as large as indicated in the specifications or shown in the plant tables/lists. Plants shall not be rejected if supplied in pots larger than specified.

The number of plants, stems, or culms per pot as specified or shown in the plant tables/lists at least shall be present, on the average, or the plants shall be rejected.

Planting stock less than 1" caliper should meet the following standards:

Seedlings/whips:
Hardwoods - 3/4" to 1" caliper with roots not less than 8" long

2. Planting Site Preparation

Apply approved herbicide to planting area if necessary. If the planting area is bare or competition from other species is unlikely, herbicide may not be necessary. If herbicide is applied, wait two weeks for herbicide to take effect before installing plant material.

3. Planting Period

All material shall be planted within two years of site stabilization between September 15 and May 31. Material shall not be installed when ground is frozen.

4. Plant Material Storage

- A. Store plants that cannot be planted within 48 hours in a sheltered place, water and maintain as required until planted.
- B. Transport and handle plants so that foliage, roots, or balls are protected from breakage, sun and winds. Tops or roots of plants allowed to dry out or which have been damaged or crushed shall be rejected.
- C. Plants should be planted within 24 hours of delivery if possible. Plant material which are left unplanted for more than 24 hours shall be protected from direct sun and weather and kept moist. Nursery stock should not be left unplanted for more than two weeks.

5. On-site Inspection

Prior to planting, planting stock shall be inspected by the landscape architect or other qualified professional familiar with this plan. Plant material not conforming to standard nurseryman specifications for size, form, vigor, roots, trunk wounds, insects and disease should be replaced.

6. Top Soil for Planting Soil

- A. On-site material or imported from same source as topsoil used on site for finish grading.

- 1. Uniform composition, free of subsol, clay lumps, stones, stumps, roots or similar objects larger than 1 inch.
- 2. Topsoil must be free of plants or plant parts of bermudagrass, quackgrass, Johnsongrass, nuttallgrass, poison ivy, Canada thistle, or others as specified.
- 3. All topsoil shall be tested by a recognized laboratory for pH and soluble salts. A pH of 4.5 to 7.5 is required. Soluble salts shall not be higher than 500 parts per million.

7. Additive for Back Fill Mix

- A. Wood Residuals:

- 1. Source shall be well composted, not chemically treated.

2. Physical Properties - grading:

U.S. Sieve	Dry Weight	Percent Passing
3/4"	100	100
3/8"	90 - 100	100
No. 20	70 - 100	100
No. 30	0 - 30	100

- 3. Organic content by ash analysis: 90 - 100 percent dry weight

4. Chemistry:

Range		
a	Saturation Extract Conductivity (ECc)	Nil - 3.5
b	Reaction (pH)	3.0 - 5.5

- 5. Salinity: Maximum saturation extract conductivity 1.0 millimhos per cm at 25 degrees centigrade.

B. Sand

1. Physical Properties - Grading:

U.S. Sieve	Dry Weight	Percent Passing
No. 4	100	100
No. 10	95 - 100	100
No. 15	90 - 100	100
No. 30	65 - 100	100
No. 60	0 - 50	100
No. 140	0 - 20	100
No. 270	0 - 7	100

2. Chemistry:

Saturation Extract Conductivity (ECc)	Nil - 3.0
Sodium Absorption Ratio (SAR)	Nil - 6.0
Boron - ppm in saturation extract solution	Nil - 1.0
Reaction (pH)	6.0 - 7.5
Available calcium - sodium acetate extractable - ppm dry weight	Nil - 2000

- C. Treble Superphosphate: Commercial product containing 19 to 20 percent available phosphoric acid.

8. Mulch

- A. Shredded long fiber hardwood.
- B. Mulch shall have been shredded within the last six (6) months.

9. Planting Mix

- A. Planting mix shall be prepared at approved on-site staging area using approved on-site existing soil. Mix minimum quantities of 20 cubic yards or sufficient mix for entire job if less than 20 cubic yards is required.
- B. Thoroughly mixed in the following proportions for tree and shrub planting mix:
 - 5 cy Existing soil
 - 2 cy Sharp sand
 - 3 cy Wood residuals
 - 4.5 lbs. Treble superphosphate
 - 5 lbs. Dolomite limestone (eliminate for acid loving plants)

10. Layout and Excavation of Planting Areas

- A. Subsoil shall not be worked when moisture content is so great that excessive compaction will occur, nor when it is so dry that clods will not readily break. Water shall be applied, if necessary, to bring soil to an optimum moisture content before tilling and planting.
- B. Tree pits shall not be excavated more than 24 hours in advance of planting operation. Tree pits shall be excavated to the following dimensions:

Excavation for	Width	Depth
Canned or B&B Trees	Can or ball + 12 in.	Can or ball + 4 in.

11. Preparing Plant Materials for Planting

- A. Container stock shall be removed carefully after cans have been cut on two sides with approved cutter. Do not use spade to cut cans. Do not lift or handle container plants by tops, stems or trunks at any time.

- B. Do not bind or handle any plant with wire or rope at any time so as to damage bark or break branches. Lift and handle plants only from bottom of container.

12. Mixing

- A. Mix soil base, amendments and chemical additives by mechanical means.
- B. Soil and sand bases shall be completely pulverized and free of lumps or aggregated material. Moisture content of base materials shall not be such that chemical granular or pelletized additives become dissolved during the mixing process.
- C. Mix media in quantities of not less than 20 cubic yards or mix total quantity required if less than 50 cubic yards. The Contractor shall be responsible for continuity between batches.
- D. Contaminating backfill mix with unmixed soil in backfill mixing lobe shall be avoided.

13. Fertilizer

- A. Plant Fertilizer: Slow release fertilizer such as Osmocote 19-6-12, analysis (3-4 month release) or equal approved by the Landscape Architect.
- B. Slow release fertilizer shall be applied at the time of planting and at the following rate:
 - All potted woody plants - planting pit application of 1 oz. per quart container, 3 oz. per gallon container (1 additional oz. per ea. additional gallon of container size).

- C. Fertilizer shall be delivered to the site in the original unopened containers with formulas attached.

14. Installation of Containerized Plant Material

- A. Remove the plant either by cutting or inverting the container.
- B. Gently loosen roots from soils. Roots may not be cut or trimmed on site.
- C. Plant shrub or tree 1 to 2 inches above the existing grade.
- D. Apply 2 to 3 inch thick layer of shredded hardwood mulch.

15. Clean-up

- A. During planting operations, excess and waste materials shall be removed from the site on a daily basis.
- B. Repair turf areas and other existing conditions damaged during planting operations, including regrading, seed, mulch and fertilization to the satisfaction of the Owner.

16. Maintenance by the Contractor

- A. A 3-year Contractor's Maintenance and Monitoring Period shall begin at mobilization. Seventy-five percent survivorship must be guaranteed for this period. The site shall be inspected at the end of the three-year period to ascertain survivorship and provide for replacement if necessary.
- B. The Contractor's maintenance of new planting shall consist of watering, cultivating, weeding, and mulching as necessary to insure survival.

- C. Protect planting areas and plants at all times against damage of all kinds for duration of maintenance period. Maintenance includes temporary protection barriers and signs as required for protection. If any plants become damaged or injured, because sufficient protection was not provided, treat or replace as directed by Landscape Architect at no additional cost to Owner.

GUARANTEE: A MINIMUM SURVIVAL RATE OF 75% IS TO BE GUARANTEED AT THE END OF THE THREE-YEAR MAINTENANCE PERIOD.

DATA SOURCES

OFF-SITE TOPOGRAPHIC INFORMATION, OFF-SITE EXISTING FEATURES, SOILS AND ZONING, SHOWN HEREON PROVIDED BY THE HOWARD COUNTY OFFICE OF INFORMATION TECHNOLOGY GEOGRAPHIC INFORMATION SYSTEMS (GIS), DATED 10/09/07

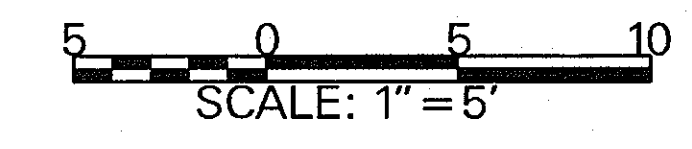
ON-SITE TOPOGRAPHIC AND EXISTING FEATURES SHOWN HEREON REFLECTS THE RESULTS OF A FLOW SURVEY BY VIRGINIA RESOURCE MAPPING (FEB. 9th, 2006).

ON-SITE TOPOGRAPHIC INFORMATION SHOWN HEREON SUPPLEMENTED WITH FIELD RUN TOPOGRAPHIC SURVEY COMPLETED BY DMW, INC ON 12/18/06, 10/21/07, 8/12/08 AND 11/20/09.

LOCATION OF UNDERGROUND UTILITIES IN VICINITY OF HOWARD BUILDING LOCATED BY INFRAMAP INC. (OCT 2006).

EXISTING INVERT ELEVATIONS OF UTILITIES OBTAINED FROM COUNTY PLANS.

TEST HOLE INFORMATION FOR UTILITY CROSSINGS RECEIVED FROM SO-DEEP, INC, DATED 10/28/08.



6-7-10
Date

Professional Engr. No. 8061

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 8061, EXPIRATION DATE: 8-26-11.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

Thomas J. Smith 4/18/11
DIRECTOR DATE

Paul Lee Hudson 4-18-11
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Paul Lee Hudson 7-27-10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

6-7-10
Date

1
No.

NEW SHEETS INCORPORATED WITH REVISION 5
Revision Description

HOWARD COUNTY OFFICE COMPLEX PARKING LOT RENOVATION

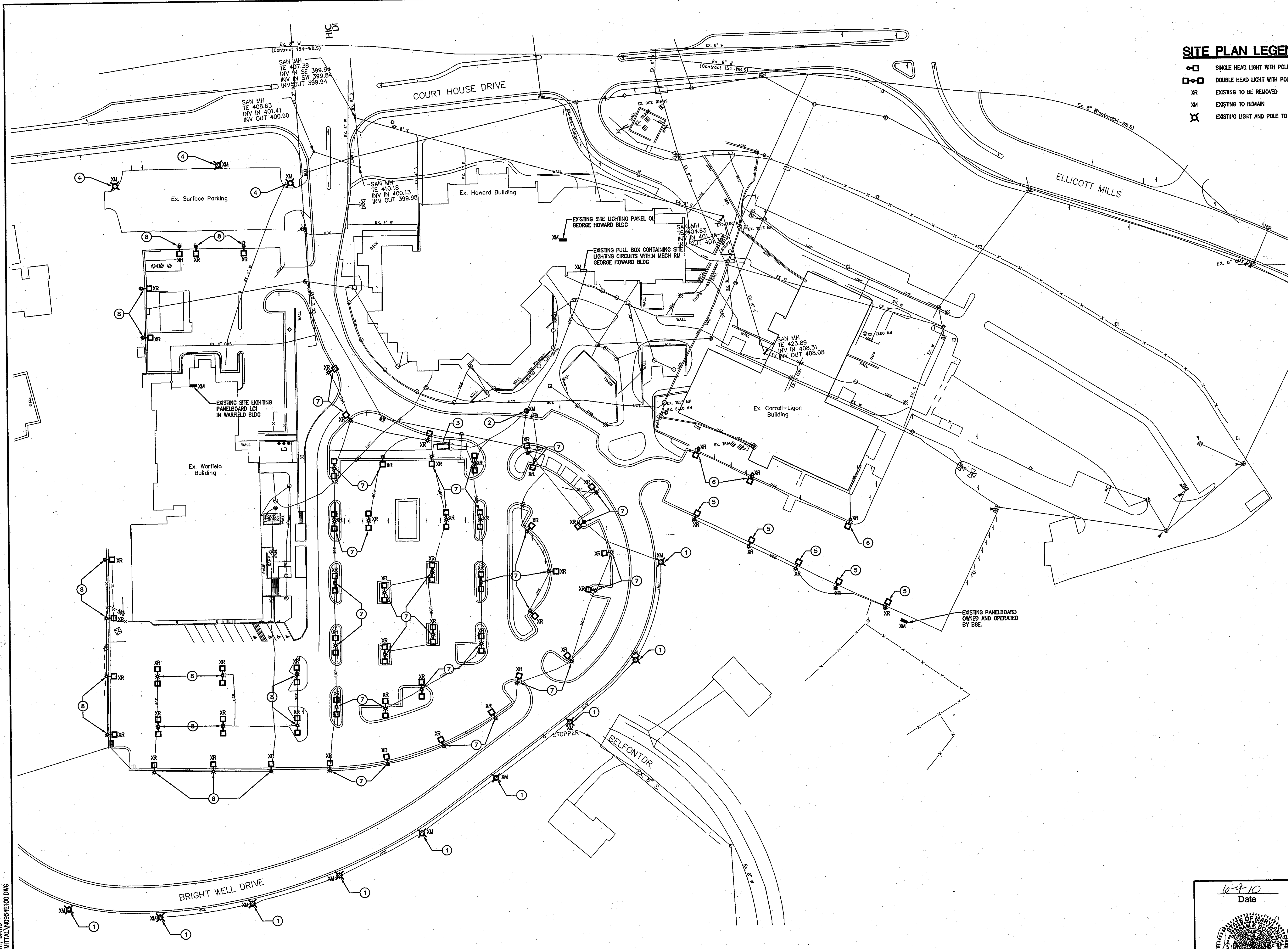
OWNER/DEVELOPER:
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3430 COURT HOUSE DRIVE
ELLCOTT CITY, MARYLAND 21043

DMW
DAFT MCCUNE WALKER INC

200 EAST PENNSYLVANIA AVENUE • TOWSON, MD 21286
P: 410 296 8339 F: 410 296 4706 WWW.DMW.COM

A TEAM OF LAND PLANNERS, LANDSCAPE ARCHITECTS, ENGINEERS, SURVEYORS & ENVIRONMENTAL PROFESSIONALS

AREA	ELLCOTT CITY	
	TAX MAP 25	PARCEL 10 & 12
	2ND ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND	
TITLE	BIO-RETENTION	
Des. By	THR	Scale AS NOTED
Proj. No.	JSS	01001.K1
Dim. By	JSS	Date 4/7/10
Chk. By	Approved	23 of 27



SITE PLAN LEGEND

- SINGLE HEAD LIGHT WITH POLE
- □ DOUBLE HEAD LIGHT WITH POLE
- XR EXISTING TO BE REMOVED
- XM EXISTING TO REMAIN
- ⊗ EXISTING LIGHT AND POLE TO REMAIN

GENERAL NOTES:

- A. REFER TO THE CIVIL ENGINEERING SITE UTILITY PLANS FOR THE EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES.
- B. PRIOR TO SUBMITTING PRICE FOR PROJECT, VISIT SITE AND IDENTIFY EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE DEMOLITION AND NEW WORK WITHIN EACH BUILDING AND WITHIN SITE WORK BOUNDARY. NO COMPENSATION WILL BE GRANTED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH THE SITE CONDITIONS THAT ARE VISIBLE OR READILY CONSTRUED BY EXPERIENCED OBSERVERS.

DRAWING NOTES:

- 1 EXISTING LIGHT AND POLE TO REMAIN ALONG BRIGHT WELL DRIVE. CLEAN AND RE-LAMP LIGHT FIXTURE. MAINTAIN CONTINUITY AND CONTROL OF EXISTING FIXTURE.
- 2 EXISTING SITE LIGHTING MANHOLE TO REMAIN. SALVAGE CONDUITS BETWEEN MANHOLE AND PULLBOX LOCATED WITHIN MECHANICAL ROOM. UTILIZE THESE CONDUITS FOR NEW SITE LIGHTING CIRCUITS.
- 3 EXISTING BUS 5" OP SHELTER TO REMAIN. CLEAN AND RE-LAMP EXISTING LIGHT FIXTURE. RE-FEED AS INDICATED ON NEW WORK SITE LIGHTING PLAN.
- 4 EXISTING LIGHT AND POLE TO REMAIN. LIGHT POWERED BY BGE.
- 5 REMOVE WIRING AND CONDUIT BACK TO BGE SOURCE.
- 6 REMOVE WIRING AND CONDUIT BACK TO CARROLL BLDG SOURCE.
- 7 REMOVE WIRING AND CONDUIT BACK TO EXISTING SITE LIGHTING MANHOLE. REMOVE WIRING BACK TO PULL BOX INSIDE GEORGE HOWARD BLDG. SALVAGE EXISTING CONDUITS BETWEEN MANHOLE AND PULLBOX FOR SITE LIGHTING CIRCUITS.
- 8 REMOVE WIRING AND CONDUIT BACK TO POINT OF ENTRY INTO WARFIELD BLDG. SALVAGE WIRING AND CONDUIT INSIDE WARFIELD BLDG FOR SPLICING OF NEW SITE LIGHTING CIRCUITS.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

Thomas E. Butler 4/10/11
DIRECTOR DATE

Victor Salovei 4-13-11
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Chad Elwood 7-27-10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

6-7-10	1	NEW SHEETS INCORPORATED WITH REVISION 5
Date	No.	Revision Description

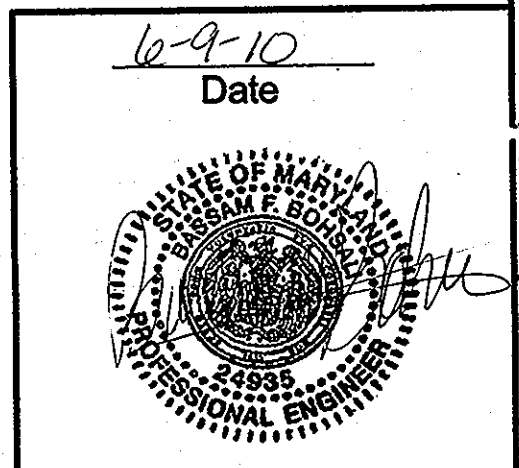
**HOWARD COUNTY
OFFICE COMPLEX
PARKING LOT RENOVATION**

OWNER / DEVELOPER:
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3430 COURT HOUSE DRIVE
ELLICOTT CITY, MARYLAND 21043

DMW
DAFT MCCUNE WALKER INC

200 EAST PENNSYLVANIA AVENUE • TOWSON, MD 21286
P: 410 286 3333 F: 410 286 4705 WWW.DMW.COM

A TEAM OF LAND PLANNERS, LANDSCAPE ARCHITECTS,
ENGINEERS, SURVEYORS & ENVIRONMENTAL PROFESSIONALS



AREA: ELLICOTT CITY
TAX MAP 25 PARCEL 10 & 12
2ND ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

TITLE: **ELECTRICAL DEMOLITION SITE PLAN**

Des. By	Scale: NOT TO SCALE	Proj. No: 01001.K1
Dm. By	Date: 06/09/10	
Chk. By	Approved	25 of 27

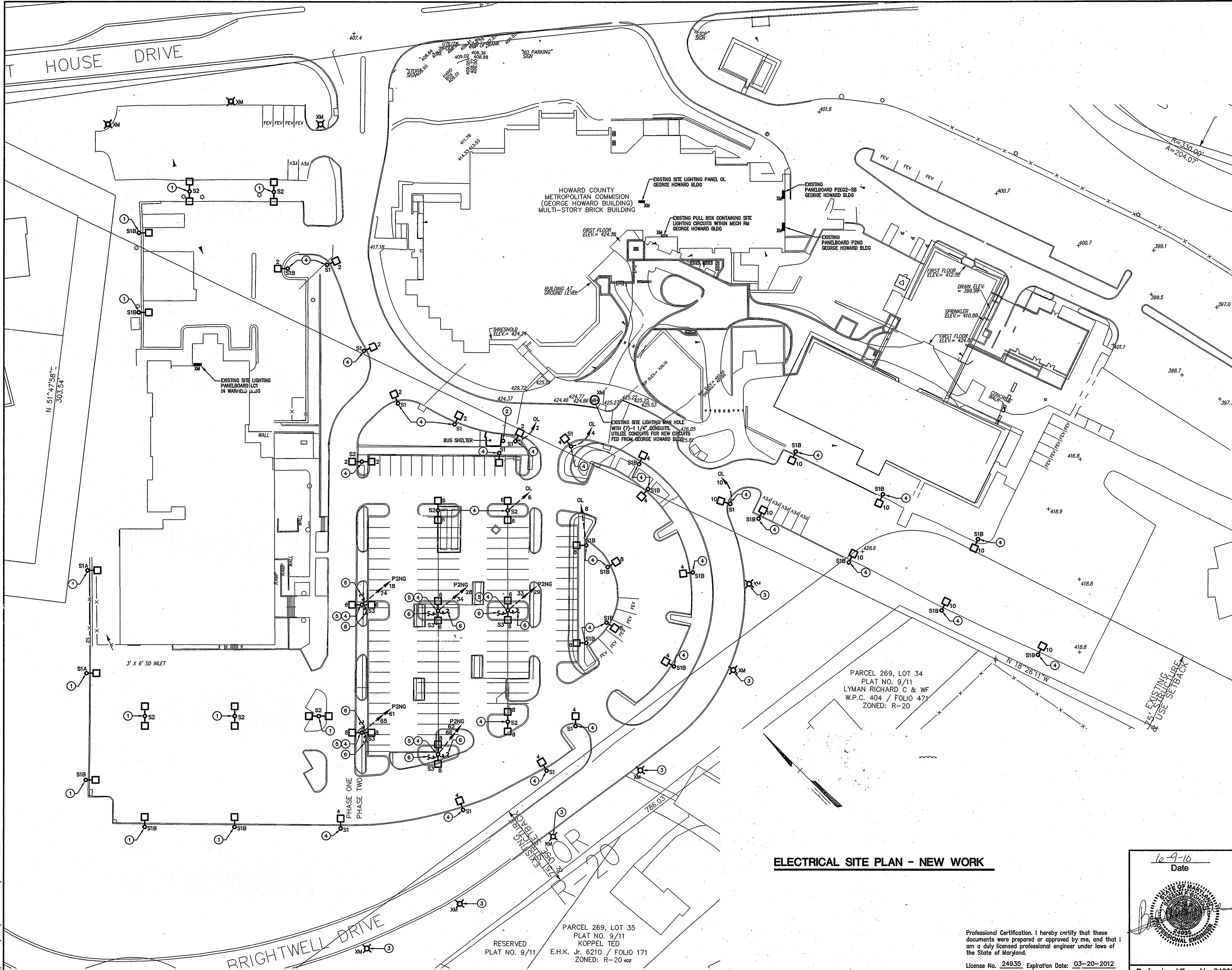
ELECTRICAL SITE PLAN - DEMOLITION

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under laws of the State of Maryland.

License No. 24935 Expiration Date: 03-20-2012

Professional Engr. No. 24935

Tuesday, June 08, 2010 10:58 AM DAVID SMITH, License No. 24935, State of Maryland



SITE LIGHTING LEGEND	
	EXISTING POLE AND LIGHT TO REMAIN
	SINGLE HEAD LIGHT AND POLE
	DOUBLE HEAD LIGHT AND POLE
	EXISTING TO REMAIN

GENERAL NOTE:

A. REFER TO THE LIGHTING FIXTURE SCHEDULE ON DRAWING E001 FOR SITE LIGHTING FIXTURE DESCRIPTIONS.

DRAWING NOTES:

1. PROVIDE NEW WIRING AND CONDUIT BACK TO EXISTING SITE LIGHTING PANEL LCI LOCATED IN WARFIELD 61' G. NEW COPPER WIRING IN NEW PVC CONDUIT SHALL MATCH EXISTING. SPARE CAPACITY MADE AVAILABLE ON EXISTING PANEL LCI DUE TO DEMOLITION OF EXISTING SITE LIGHTING.
2. PROVIDE NEW WIRING AND CONDUIT BACK TO EXISTING PANEL P2E22-SB LOCATED IN GEORGE HOWARD BLDG TO RE-FEED THE EXISTING BUS SHELTER LIGHTING. NEW COPPER WIRING IN NEW PVC CONDUIT SHALL MATCH EXISTING.
3. MAINTAIN THE CONTINUITY OF THE EXISTING CIRCUITS AND CONDUITS WHICH SERVE THE EXISTING SITE LIGHTING ALONG BRIGHTWELL DRIVE. CLEAN AND RE-LAMP ALL FIXTURES ALONG BRIGHTWELL DRIVE.
4. PROVIDE 2#6 & 1#6 GROUND IN 1-INCH PVC CONDUIT BACK TO THE EXISTING SITE LIGHTING PANEL OL LOCATED WITHIN THE GEORGE HOWARD BUILDING. UTILIZE THE EXISTING SITE LIGHTING MANHOLE AND EXISTING 1 1/4" CONDUIT ROUTED BETWEEN THE MANHOLE AND THE INDOOR PULL BOX FOR PATHWAY TO BUILDING.
5. PROVIDE 2 ADDITIONAL 208 VOLT, 30 AMP CIRCUITS TO SITE LIGHTING POLE FOR FUTURE ELECTRIC CAR CHARGING STATIONS. AN ADDITIONAL HANDHOLE (TOTAL OF 2, EACH SIDE) SHALL BE PROVIDED WITH SQUARE ALUMINUM POLE. PROVIDE 4#6 (NEUTRAL NOT RECD) & 1#6 GROUND IN 1-INCH CONDUIT BACK TO EXISTING PANEL P2NG LOCATED WITHIN THE GEORGE HOWARD BLDG. UTILIZE EXISTING SITE LIGHTING MANHOLE AND EXISTING 1 1/4" SPARE CONDUITS BETWEEN MANHOLE BUILDING FOR PATHWAY TO P2NG.
6. LEAVE 12-INCHES OF SLACK WIRING FOR FUTURE CAR CHARGING STATIONS. COIL AND LABEL WITHIN HANDHOLE.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

Thomas J. Butler 4/18/11
DIRECTOR DATE

Kurt Schloer 4-18-11
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Al Clark 7-27-10
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Date	No.	Revision Description
6-7-10	1	NEW SHEETS INCORPORATED WITH REVISION 5

HOWARD COUNTY OFFICE COMPLEX PARKING LOT RENOVATION

OWNER / DEVELOPER:
HOWARD COUNTY
DEPARTMENT OF PUBLIC WORKS
3430 COURT HOUSE DRIVE
ELLICOTT CITY, MARYLAND 21043

DMW
DAFT McCUNE WALKER INC

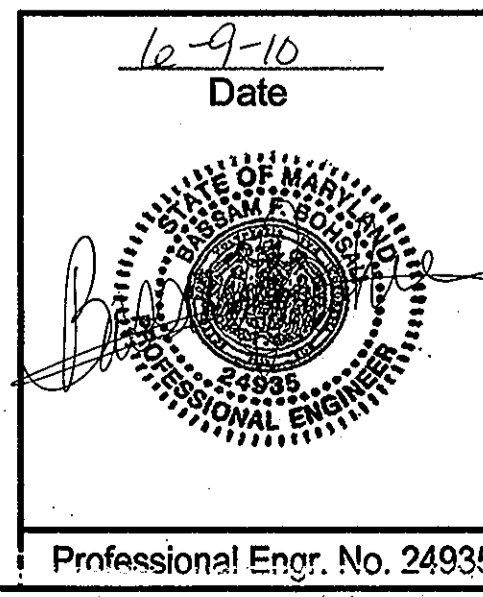
200 EAST PENNSYLVANIA AVENUE • TOWSON, MD 21286
P: 410 296 3333 • F: 410 296 4705 WWW.DMW.COM

A TEAM OF LAND PLANNERS, LANDSCAPE ARCHITECTS, ENGINEERS, SURVEYORS & ENVIRONMENTAL PROFESSIONALS

AREA: ELLICOTT CITY
TAX MAP 25 PARCEL 10 & 12
2ND ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

ELECTRICAL SITE LIGHTING PLAN

Des. By	Scale NOT TO SCALE	Proj. No. J1001.K1
Dwn. By	Date 06/09/10	
Chk. By	Approved	2009-07-27



ELECTRICAL SITE PLAN - NEW WORK

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under laws of the State of Maryland.

License No. 24935 Expiration Date: 03-20-2012

PARCEL 269, LOT 35
PLAT NO. 9/11
KOPPEL TED
E.H.K. Jr. 6210 / FOLIO 171
ZONED: R-20 402

RESERVED
PLAT NO. 9/11

Tuesday, June 08, 2010 10:58 AM
N:\V0954-01\ELEC\SDP SUBMITTAL\W0954-0101.DWG

EXISTING PANEL												
PANEL: P2NG SECTION 1												
MOUNTING: SURFACE												
MAIN: 225 MCB												
AMP: 225 VOLT: 120/208												
PHASE: 3 4 WIRE + GND												
AIC: 10K AMPS RMS SYM												
Branch Circuit Load Description	KVA Load			Trip Poles	Ckt. No.	Phase	Ckt. No.	Trip Poles	KVA Load			Branch Circuit Load Description
PANEL OL (SITE LTG)	4.03	3.85		100/3	1	A	2	20/1	0.72			REC: RESTROOMS
					3	B	4	20/1	0.36			REC: EXTERIOR
					5	C	6	20/1	1.08			REC: MECHANICAL ROOM
EF-7 (1/4HP)	0.69			20/1	7	A	8	20/1	0.18			REC: ELEV LOBBY TV
JB: TRAP PRIMERS	0.05			20/1	9	B	10	20/1	0.00			SPARE
FCU-2 COND PUMP			0.10	20/1	11	C	12	20/1		0.36		REC: LOUNGE
REC: LOCKERS	0.72			20/1	13	A	14	20/1	0.36			REC: LOUNGE
REC: FITNESS ROOM		0.54		20/1	15	B	16	20/1		0.54		REC: MAIL ROOM
REC: FITNESS ROOM			0.72	20/1	17	C	18	30/2		1.20		FUTURE CAR CHARGE
REC: FITNESS ROOM	0.72			20/1	19	A	20	20/1	1.20			REC: LOUNGE
WALL BOX SYSTEMS FURN		0.54		20/1	21	B	22	20/1		0.48		REC: LOUNGE
WALL BOX SYSTEMS FURN			0.54	20/1	23	C	24	30/2		1.20		FUTURE CAR CHARGE
WALL BOX SYSTEMS FURN	0.54			20/1	25	A	26	20/1	1.20			FUTURE CAR CHARGE
WALL BOX SYSTEMS FURN		0.54		20/1	27	B	28	30/2		1.20		FUTURE CAR CHARGE
FUTURE CAR CHARGE			1.20	30/2	29	C	30			1.20		FUTURE CAR CHARGE
FUTURE CAR CHARGE	1.20			30/2	31	A	32	20/1	0.18			REC: LOUNGE H039 TV
FUTURE CAR CHARGE			1.20	30/2	33	B	34	30/2		1.20		FUTURE CAR CHARGE
FUTURE CAR CHARGE		1.20		30/2	35	C	36			1.20		FUTURE CAR CHARGE
SPACE	0.00			1/1	37	A	38	7/1	0.00			SPACE
SPACE		0.00		1/1	39	B	40	7/1	0.00			SPACE
SPACE			0.00	1/1	41	C	42	7/1	0.00			SPACE
	7.52	6.72	6.96	<< PHASE SUB-TOTALS >>					3.84	3.78	6.24	
PHASE A	11.76 kVA			35.46 kVA TOTAL CONNECTED LOAD - SECTION 1			PROVIDE THE FOLLOWING:					
PHASE B	10.50 kVA			22.33 kVA TOTAL CONNECTED LOAD - SECTION 2			FEED THROUGH LUGS					
PHASE C	13.20 kVA			67.79 kVA TOTAL CONNECTED LOAD								
				67.66 kVA TOTAL DEMAND LOAD								

EXISTING PANEL												
PANEL: P2NG SECTION 2												
MOUNTING: SURFACE												
MAIN: MLO												
AMP: 225 VOLT: 120/208												
PHASE: 3 4 WIRE + GND												
AIC: 10K AMPS RMS SYM												
Branch Circuit Load Description	KVA Load			Trip Poles	Ckt. No.	Phase	Ckt. No.	Trip Poles	KVA Load			Branch Circuit Load Description
WALL BOX SYSTEMS FURN	0.18			20/1	43	A	44	20/1	0.72			REC: WELLNESS ROOM
WALL BOX SYSTEMS FURN		0.18		20/1	45	B	46	20/1	1.20			REC: PLOTTER
WALL BOX SYSTEMS FURN			0.18	20/1	47	C	48	20/1	1.20			REC: PLOTTER
WALL BOX SYSTEMS FURN	0.18			20/1	49	A	50	20/1	1.20			REC: PLOTTER
REC: BATHROOM		0.18		20/1	51	B	52	20/1	1.20			REC: PLOTTER
EF-6 (129W)			0.13	20/1	53	C	54	20/1		0.80		REC: WELLNESS ROOM
REC: MAIL RM PRINTER	1.20			20/1	55	A	56	20/1	0.88			UH-4 FAN (1/2 HP)
REC: MAIL RM FAX		1.20		20/1	57	B	58	20/1	0.88			UH-4 FAN (1/2 HP)
REC: MAIL MACH			0.40	20/1	59	C	60	20/1	0.88			UH-4 FAN (1/2 HP)
FUTURE CAR CHARGE	1.20			30/2	61	A	62	30/2	1.20			FUTURE CAR CHARGE
FUTURE CAR CHARGE		1.20		30/2	63	B	64		1.20			FUTURE CAR CHARGE
FUTURE CAR CHARGE			1.20	30/2	65	C	66	30/2		1.20		FUTURE CAR CHARGE
FUTURE CAR CHARGE	1.20			30/2	67	A	68		1.20			FUTURE CAR CHARGE
SPARE		0.00		20/1	69	B	70	20/1	0.00			SPARE
SPARE			0.00	20/1	71	C	72	20/1	0.00			SPARE
SPACE	0.00			1/1	73	A	74	7/1	0.00			SPACE
SPACE		0.00		1/1	75	B	76	7/1	0.00			SPACE
SPACE			0.00	1/1	77	C	78	7/1	0.00			SPACE
SPACE	0.00			1/1	79	A	80	7/1	0.00			SPACE
SPACE		0.00		1/1	81	B	82	7/1	0.00			SPACE
SPACE			0.00	1/1	83	C	84	7/1	0.00			SPACE
	3.96	2.76	1.91	<< PHASE SUB-TOTALS >>					5.18	4.46	4.06	
PHASE A	9.14 kVA			22.33 kVA TOTAL CONNECTED LOAD - SECTION 2			PROVIDE THE FOLLOWING:					
PHASE B	7.22 kVA			22.33 kVA TOTAL CONNECTED LOAD - SECTION 2								
PHASE C	5.97 kVA			22.33 kVA TOTAL DEMAND LOAD - SECTION 2								

PARKING LOT RENOVATION DRAWING LIST	
Drawing No.	Drawing Title
E001	ELECTRICAL COVER SHEET
E100	ELECTRICAL DEMOLITION SITE PLAN
E101	ELECTRICAL SITE LIGHTING PLAN

LIGHTING FIXTURE SCHEDULE						
FIXTURE TYPE	DESCRIPTION	MANUFACTURER AND CATALOG NUMBER	LAMP TYPE	BALLAST	VOLTAGE	POLE
S1	POLE LIGHT SINGLE HEAD, TYPE III DISTRIBUTION.	GARDCO: G13-1-3XL-140CPE-120-BRP-SPA WITH PHILIPS COSMOPOLIS LIGHTING SYSTEM	1 CPO-TW 140W/728 2800K	RCW 140TLS	120V	20 FT SQ. ALUMINUM POLE WITH HANDHOLE DARK BRONZE
S1A	POLE LIGHT SINGLE HEAD, TYPE II NARROW DISTRIBUTION.	GARDCO: G13-1-2XL-140CPE-120-BRP-SPA WITH PHILIPS COSMOPOLIS LIGHTING SYSTEM	1 CPO-TW 140W/728 2800K	RCW 140TLS	120V	20 FT SQ. ALUMINUM POLE WITH HANDHOLE DARK BRONZE
S1B	POLE LIGHT SINGLE HEAD, TYPE IV FORWARD THROW DISTRIBUTION.	GARDCO: G13-1-4XL-140CPE-120-BRP-SPA WITH PHILIPS COSMOPOLIS LIGHTING SYSTEM	1 CPO-TW 140W/728 2800K	RCW 140TLS	120V	20 FT SQ. ALUMINUM POLE WITH HANDHOLE DARK BRONZE
S2	POLE LIGHT DOUBLE HEAD, TYPE III DISTRIBUTION.	GARDCO: G13-2-3XL-140CPE-120-BRP-SPA WITH PHILIPS COSMOPOLIS LIGHTING SYSTEM	2 CPO-TW 140W/728 2800K	(2)RCW 140TLS	120V	20 FT SQ. ALUMINUM POLE WITH HANDHOLE DARK BRONZE
S3	SAME AS ABOVE, EXCEPT WITH 2 HANDHOLES ON EACH SIDE OF POLE.	GARDCO POLE WITH 2 HANDHOLES. SEE SITE PLAN	-	-	-	HANDHOLES REQUIRED AT 30-INCHES ABOVE POLE BASE FOR CAR CHARGING RECEPTACLES.

EXISTING PANEL												
PANEL: P2EG2-SB												
MOUNTING: SURFACE												
MAIN: 100 MCB												
AMP: 100 VOLT: 120/208												
PHASE: 3 4 WIRE + GND												
AIC: 10K AMPS RMS SYM												
Branch Circuit Load Description	KVA Load			Trip Poles	Ckt. No.	Phase	Ckt. No.	Trip Poles	KVA Load			Branch Circuit Load Description
ELEV PIT LIGHTS	0.12			20/1	1	A	2	30/2	1.70			TELECOM UPS 1ST FL EAST
REC: BANNER ELEC CL		0.18		20/1	3	B	4	*	1.70			
REC: ELEVATOR PIT			0.18	20/1	5	C	6	30/2		1.70		TELECOM UPS - 1ST FL EAST
REC: ELEVATOR PIT	0.18			20/1	7	A	8	*	1.70			TELECOM UPS 1ST FL WEST
REC: MECH & ELEC ROOMS		0.36		20/1	9	B	10	30/2		1.70		TELECOM UPS 1ST FL WEST
REC: MECH & ELEC ROOMS			0.72	20/1	11	C	12	*	1.70			TELECOM UPS 1ST FL WEST
REC: EP & MECH ROOMS	0.36			20/1	13	A	14	30/2	1.70			TELECOM UPS 1ST FL WEST
JB: HEAT TRACE		0.50		20/1	15	B	16	*	1.70			TELECOM UPS GRD FLR WES
JB: DDC PANEL			0.50	20/1	17	C	18	30/2		1.70		TELECOM UPS GRD FLR WES
FCU 5 COND PUMP		0.10		20/1	19	A	20	*	1.70			REC: BMS SERVER
REC: SUMP PUMP		0.10		20/1	21	B	22	20/1	1.00			REC: BMS SERVER
SPARE		0.00		20/1	23	C	24	20/1	0.50			REC: BMS SERVER
SPARE	0.00			20/1	25	A	26	20/1	0.50			REC: BMS SERVER
SPARE		0.00		20/1	27	B	28	20/1	0.50			REC: BMS SERVER
SPARE		0.00		20/1	29	C	30	20/1	0.00			SPARE
CU-2 @ LOW ROOF (0.5 FLA)	0.68			15/2	31	A	32	25/2	1.30			CU-4 (12.8 FLA)
		0.68			33	B	34	*	1.30			
SPACE			0.00	1/1	35	C	36	7/1	0.00			SPACE
BUS SHELTER	0.10			3/1	37	A	38	7/1	0.00			SPACE
			0.10	3/1	39	B	40	7/1	0.00			SPACE
			0.10	3/1	41	C	42	7/1	0.00			SPACE
	1.74	2.12	1.50	<< PHASE SUB-TOTALS >>					8.60	7.90	5.60	
PHASE A	10.34 kVA			27.48 kVA TOTAL CONNECTED LOAD			PROVIDE THE FOLLOWING:					
PHASE B	10.02 kVA			27.05 kVA TOTAL DEMAND LOAD								
PHASE C	7.10 kVA			27.05 kVA TOTAL DEMAND LOAD								

ELECTRICAL ABBREVIATIONS	
A	Amps
ABV	Above
ADA	Disabilities Act
AF	Above Finish
AFG	Above Finish Grade
AHJ	Authority Having Jurisdiction
AHU	Air Handling Unit
AIC	Ampere Interrupting Capacity
ANSI	American National Standards Institute
ARCH	Architect
AT	Ampere Trip
ATS	Automatic Transfer Switch
ATC	Automatic Temperature Control
AWG	American Wire Gauge
BEL	Below
BFG	Below Finish Grade
BLDG	Building
BPS	Building Pressure Switch
BMS	Building Management System
C	Conduit
CAT	Catalog
CB	Circuit Breaker
CBM	Certified Ballasts
CM	Manufacturers
CL	Centerline
CLG	Ceiling
CLF	Current Limiting Fuse
COPS	Critical Operations Power System
COTR	Contracting Officer
CT	Technical Representative
CU	Current Transformer
DWG	Drawing
EC	Empty Conduit
ECB	Enclosed Circuit Breaker
EF	Exhaust Fan
EM	Emergency
EMH	Electrical Manhole
EMT	Electrical Metallic Tubing
EPO	Emergency Power Off Button
FWC	Electric Water Cooler
F	Fuse
FA	Fire Alarm
FACP	Fire Alarm Control Panel
FPB	Fan Power Box
FLA	Full Load Amperes
FLR	Floor
FMC	Flexible Metal Conduit
FSD	Fire Smoke Damper
FT	Feet
FTC	Fire Alarm Termination Cabinet
FWR	Full Voltage Non-reversible
GND	Ground or Grounding
GIB	George Howard Building
HOA	Hand, Off, Automatic Switch
IEEE	Institute of Electrical & Electronic Engineers
IMC	Intermediate Metal Conduit
INT	Interlock
J, JB	Junction Box
KCAL	1000 Circular Mils
KVA	Kilovolt Amperes
KW	Kilowatts
LTG	Lighting
LFMC	Liquidtight Flexible Metal Conduit
NC	Not Connected
NBC	Not Circuit Breaker
MCC	Motor Control Center
MCP	Motor Circuit Protector
MISC	Miscellaneous
MLO	Main Lugs Only
MTD	Mounted
NEC	Nationally Closed National Electric Code
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
NO	Normally Open
NTS	Not to Scale
OC	Overcurrent Protection
P	Pole
PB	Push Button
PC	Photo Cell
PNL	Panel
POS	Provided under Other Sections
PVC	Polyvinyl Chloride
PWR	Power
QTY	Quantity
REQD	Required
RMC	Rigid Metal Conduit
RMS	Root Mean Squared
RNMC	Rigid Nonmetallic Conduit
RTU	Roof Top Unit
SP	Spare
ST	Shunt Trip
SQ	Square
SW	Switch
SYM	Symmetrical
TEL	Telephone
TMCB	Thermal Magnetic Circuit Breaker
TB	Telephone Terminal Board
TPC	Trap Primer Connection
TP	Typical
UF	Underfloor Duct
UG	Underground or Under Grade
USE	Underground Conduit or Ductbank
UL	Underwriters Laboratories
UL	Underwriters Laboratories
UNO	Unless Noted Otherwise
UPS	Uninterruptible Power System
V	Volt