COLUMBIA 100 OFFICE RESEARCH PARK PARCEL P-2: PROVIDENT OVERTON & ASSOCIATES SECTION 1, AREA 2 PROPOSED TAX MAP 30, GRID 12, PARCEL 406 PROPOSED NOTE HOWARD COUNTY, MARYLAND SETBACK LINE -----CURB AND GUTTER

LEGEND FOR ENTIRE PLAN SET

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(NOT TO SCALE)

EXISTING

EXISTING NOTE

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TC 516.4

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516.4

TYPICAL NOTE TEXT ONSITE PROPERTY LINE / R.O.W. LINE GHBORING PROPERTY LINE / INTERIOR PARCE EASEMENT LINE

CONCRETE CURB & GUTTER

TYPICAL LIGHT

TYPICAL DOUBLE LIGHT

TYPICAL SIGN PARKING COUNTS

CONTOUR LINE

SPOT ELEVATIONS

STORM LABEL SANITARY SEWER LATERAL UNDERGROUND WATER LINE UNDERGROUND ELECTRIC LINE UNDERGROUND GAS LINE UNDERGROUND TELEPHONE LINE STORM SEWER HYDRANT SANITARY MANHOLE STORM MANHOLE

> WATER METER WATER VALVE GAS VALVE CURB INLET CLEAN OUT TEST PIT

> > BENCHMARK

L CURB TRANSITION CUR DEPRESSED CURB AND GUTTER

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X 0R

TC 516.00 8C 515.55 -----T------

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	SHEET INDEX
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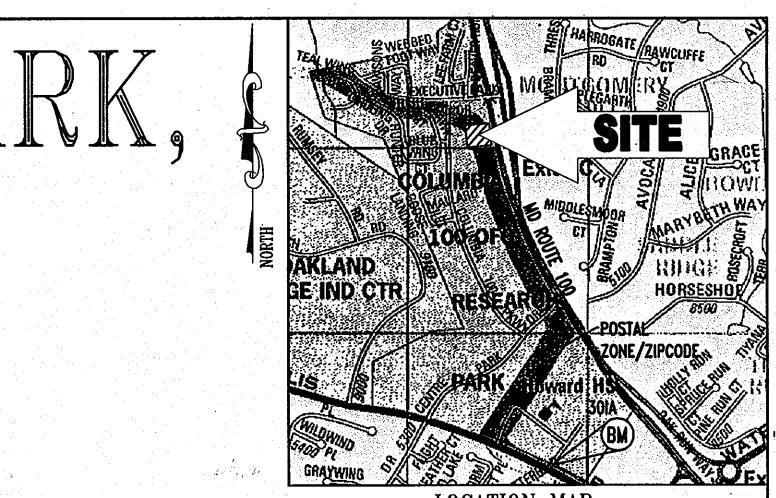
SITE ANALYSIS DATA CHART

GENERAL NOTE: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF THE WORK AS DEFINED BY THE DRAWINGS AND IN FULL CONFORMANCE WITH LOCAL REGULATIONS AND CODES.

	GENERAL NOTES:	11. LIGHTING SHALL BE SHIELDED AND DIRECTED SO THAT IT DOES NOT SHINE DIRECTLY ONTO ANY ADJACENT PROPERTIES, IT SHALL NOT ILLUMINATE RESIDENTIAL PROPERTIES
SHEET INDEX	1. THIS PLAN IS BASED ON A SURVEY BY BOHLER ENGINEERING, P.C.: 22630 DAVIS DRIVE, SUITE 200	AND SHALL NOT PRODUCE GLARE WHICH WOULD CAUSE A HAZARD FOR MOTOR VEHICLE OPERATIONS IN THE VICINITY OF THE SITE. LIGHTING SHALL COMPLY WITH SECTION
SHEET	STERLING, VIRGINIA 20164	134 OF THE ZONING REGULATIONS.
COVER SHEET	ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY OVERTON & ASSOCIATES, PART OF LOT P COLUMBIA 100 OFFICE RESEARCH PARK,	12. UTILITIES: WATER, PUBLIC - EXISTING 12" WATER LINE (CONTRACT# 24-1588-D) IS
GENERAL NOTES	PLAT NUMBER 7526, COLUMBIA, 2ND ELECTION DISTRICT, HOWARD	LOCATED IN EXECUTIVE PARK DRIVE. A NEW SERVICE CONNECTION WILL BE
EXISTING CONDITIONS AND DEMOLITION PLAN SITE PLAN	COUNTY, MARYLAND"	REQUIRED. AN A.D.O. WAS TAKEN THROUGH DPW FOR THIS EXTENSION.
GRADING PLAN	DATED 07/06/07 REVISED 11/13/08 PROJECT NO.: S075623.SR	SEWER, PUBLIC - A 6" SANITARY SEWER LINE (CONTRACT# 24-1588-D) IS
UTILITY PLAN		LOCATED IN AN ACCESS DRIVE TO THE WEST OF THE SITE.
10 UTILITY PROFILES	2. THE EXISTING TOPOGRAPHY IS TAKEN FROM A FIELD RUN SURVEY WITH ONE FOOT	STORM DRAIN - A 21" RCP IS LOCATED AT THE NORTHEAST CORNER OF THE
1 EROSION AND SEDIMENT CONTROL PLAN	CONTOUR INTERVALS PREPARED BY BOHLER ENGINEERING, P.C. DATED 07/06/07.	PROPERTY.
13 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	3. EXISTING UTILITIES ARE BASED ON A SURVEY BY BOHLER ENGINEERING, P.C.	13. ALL HOWARD COUNTY STORM WATER MANAGEMENT REQUIREMENTS HAVE
4 EROSION AND SEDIMENT DRAINAGE AREA MAPS 5 STORMDRAIN DRAINAGE AREA MAPS	DATED 07/06/07.	BEEN MET UNDER F-87-82. THE REGIONAL STORM WATER MANAGEMENT FACILITY IS Located within a stormwater management and utility easement on parcel s.
17 SITE DETAILS	4. THE TRAFFIC STUDY FOR THIS PROJECT WAS PREPARED BY TRAFFIC CONCEPTS INC. ENTITLED "TRAFFIC IMPACT STUDY, PROVIDENT BANK, EXECUTIVE PARK DRIVE,	14. ELECTION DISTRICT: 2
B LANDSCAPE PLAN	DRIVE-IN BANK, HOWARD COUNTY, MARYLAND," DATED AUGUST 2006, REVISED	그는 것은 것은 것은 것은 것은 것은 것은 것은 것을 가지 않는 것을 가지 않는 것이 없는 것이 없다.
9 LANDSCAPE NOTES AND DETAILS	NOVEMBER 2007 AND HAS NOT BEEN APPROVED.	15. DEED REFERENCE:
D LIGHTING PLAN	5. THE SUBJECT PROPERTY IS ZONED "B-1" IN ACCORDANCE WITH THE 2/2/04	PARCEL P-2
1 LIGHTING DETAILS	COMPREHENSIVE ZONING PLAN AND THE "COMP LITE" ZONING AMENDMENTS DATED	COLUMBIA 100 OFFICE RESEARCH PARK
2 ARCHITECTURAL ELEVATIONS	7/28/06.	PLAT # 7526 Liber 4262, Folio 620
	6. EXISTING USE: VACANT	경험 수 있는 것은 것은 것을 하는 것 같은 것을 다니며 가지 않는 것은 것을 가지 않는 것을 하는 것을 하는 것을 했다.
	PROPOSED USE: BANK WITH DRIVE THRU	16. TAX MAP: 30, GRID: 12, PARCEL: 406
	7. BUILDING HEIGHT: 22.38	17. PROPERTY IS LOCATED IN COLUMBIA.
	MAXIMUM HEIGHT ALLOWED: 40'-0"	18. THERE IS NO 100-YEAR FLOOD PLAIN LOCATED ON SITE PER
	8. PARKING:	FEMA FIRM MAP 240044 0028 C DATED 04/02/97. SITE LOCATED IN ZONE X - AREAS DETERMINED TO BE OUTSIDE 500 YEAR FLOODPLAIN.
	REQUIRED – BANK:	
	FIVE SPACES/1,000 SF OF FLOOR AREA	19. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND
	$5 \times (3,259/1,000) = 17$ SPACES	SPECIFICATIONS OF HOWARD COUNTY AND MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
SITE ANALYSIS DATA CHART	TOTAL PARKING REQUIRED = 17 SPACES TOTAL PARKING PROVIDED = 35 SPACES (INCLUDING 2 HANDICAP SPACES)	うい かいしゃ ふしゅう 死亡 うちな 行き ふかか かいしょう かかい みやいせい
PROJECT AREA: PARCEL P-2 = 1.6026 ACRES = 69,808 S.F.	101AL FARRING FROMIDED - 35 SFACES (INCLUDING Z HANDICH STACLS)	20. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST
LIMIT OF DISTURBED AREA: 73,635 S.F. (1.69 AC.)	9. REFUSE SHALL BE DISPOSED OF DAILY IN INDOOR TRASH RECEPTACLES.	FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
PRESENT ZONING: B-1 (BUSINESS LOCAL)	TRASH REMOVAL WILL BE PRIVATELY CONTRACTED.	21. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48
PROPOSED USE: BANK WITH DRIVE-THRU	10. SETBACKS: <u>REQUIRED</u> <u>PROPOSED</u>	HOURS PRIOR TO ANY EXCAVATION WORK.
	MD ROUTE 100 (WEST): USE & STRUCTURE SETBACK 30' 121. 25 '	
FLOOR AREA: TOTAL FLOOR AREA: 3,259S.F.	PARKING SETBACK 10' 31.72'	22. TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
MAXIMUM NUMBER OF EMPLOYEES: 10		ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT
PARKING SPACES REQUIRED: 17 (SEE GENERAL NOTE 8 OF THIS SHEET)		OF ANY ASPHALT.
PARKING SPACES REQUIRED: 17 (SEE GENERAL ROLE & GI THIS SHEET) PARKING SPACES PROVIDED: 35 (INCLUDING 2 HANDICAP SPACES)	PREPARED BY:	23. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
BUILDING COVERAGE OF SITE: 0.08 ACRES (6.05% OF GROSS AREA)		
APPLICABLE DPZ FILE REFERENCES: SDP-00-30, SDP-89-64, GP-86-57,		
F-07-204, F-87-82, F-87-87, BA99-13EV, BA99-035, BA-05-005S		
	BOHL	
	E N G I N E E	K I N G
	810 GLENEAGLES COU	IDT
	OTU GLENEAGLES CUU	
	SUITE 300	
	JUIL JUV	
	TOWSON, MARYLAND 2	21286 · · · · · · · · · · · · · · · · · · ·
	IUTJUN, WANTLAND Z	
	PH: (410) 821-790	
	EV. (110) 001 700	27
	FX: (410) 821–798	

www.bohlerengineering.com

CONTACT: ADAM J. VOLANTH, P.E.



SCALE: 1"=1000'

For Aeusion 2011

LICENSE NO. 21342, EXPIRATION DATE: 9/14/08

PROFESSIONAL CERTIFICATION

, ADAM J. VOLANTH, HEREBY CERTIFY THAT THESE DOCUMENTS WERE

PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND

APPROVED: DEPARTMENT OF PLANNING AND ZONING

PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED

MISS UTILITY

DRAWING DOES NOT INCLUDE NECES MPONENTS FOR CONSTRUCTION SAFETY. I

CONSTRUCTION MUST BE DONE IN

OMPLIANCE WITH THE OCCUPATIONAL SAFE AND HEALTH ACT OF 1970 AND ALL RULE

AND REGULATIONS THERETO APPURTENANT

THE CONTRACTOR TO CALL MISS UTILITY TO

HAVE ALL EXISTING UTILITIES MARKED 48

SDP 08.24

HOURS PRIOR TO ANY CONSTRUCTION.

COUNTY CONTROL INFORMATION STATION 30FA

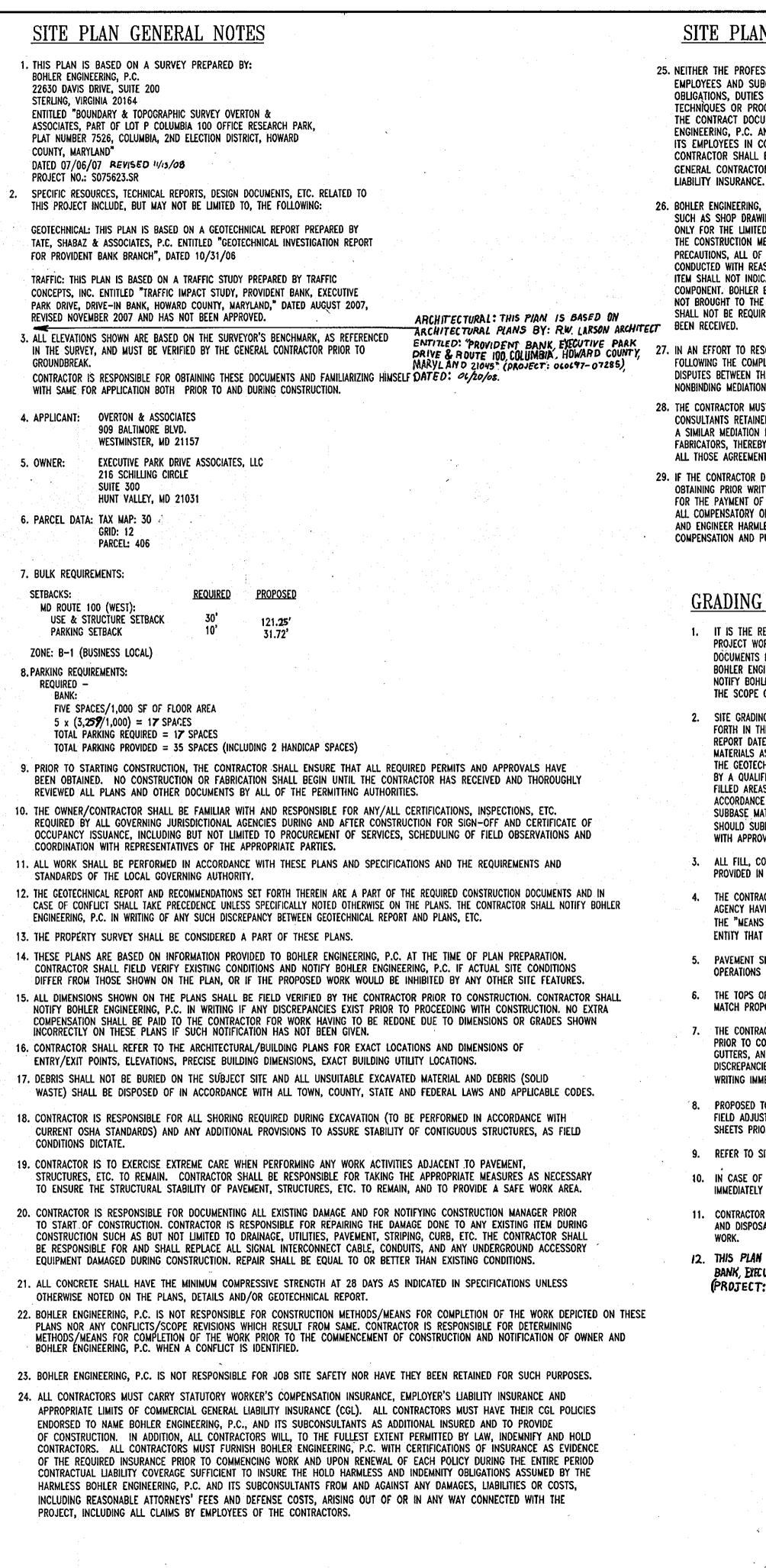
HOWARD COUNTY ALUMINUM DISK SET ON A CONCRETE MONUMENT ON THE SOUTHEAST CORNER OF MD ROUTE 108 AND SUMMER HOLLOW LANE. ELEV. = 440.959

STATION 30IA

HOWARD COUNTY ALUMINUM DISK SET ON A CONCRETE MONUMENT ON THE NORTHWEST CORNER OF MD ROUTE 108 AND THE EXIT FROM HOWARD HIGH SCHOOL. ELEV. = 499.153

- 24. THERE ARE NO KNOWN BURIAL GROUNDS LOCATED ON-SITE. 25. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLAN COORDINATE SYSTEM.
- HOWARD COUNTY MONUMENT NOS. 301A AND 30FA WERE USED FOR THIS PROJECT. 26. THERE ARE NO WETLANDS ON THIS SITE.
- 27. THIS PLAN IS SUBJECT TO THE AMENDED 5TH EDITION OF THE SUBDIVISION REGULATIONS AND THE 07/28/06 ZONING REGULATIONS.
- 28. RELATED FILE APPLICATIONS: SDP-00-30, SDP-89-64, F-07-204, F-87-82, F-87-87, BA99-13E&V, BA99-035, BA-05-005S, GP-86-57
- 29. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$7,800 FOR 20 SHADE TREES AND 12 EVERGREEN TREES.
- 30. NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED WETLANDS, STREAMS For Revision 1 OR THEIR BUFFERS, FOREST CONSERVATION EASEMENT AREAS AND 100 YEAR FLOODPLAIN
- 31. THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16-124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- 32. THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1202 (b)(1)(iii) OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION AND MASS GRADING BECAUSE THIS SITE HAS PRELIMINARY SUBDIVISION PLAN APPROVAL PRIOR TO DECEMBER 31, 1992.
- 33. A KNOX BOX (FIRE DEPARTMENT ACCESS BOX) IS REQUIRED TO BE PLACED ON THE FRONT OF THE BUILDING. IT SHALL BE PLACED TO THE RIGHT OF THE MAIN ENTRANCE AT A RANGE OF 4-5' IN HEIGHT AND NO MORE THAN 6' LATERALLY FROM THE DOOR. THE BOX SHALL BE

	G02		5647400		PRUTESSIUNAL ENGINEER NU. 213	42 DRAWING NO. 1 CF 22
19776 WATER CODE	12 B-1	30 SEWER CODE	2nd	6023.02	ADAN J. VOLANTH PROFESSIONAL ENGINEER NO. 213	SCALE: N.T.S.
PLAT RECORDATION	GRID# ZONING	TAX MAP NO.	ELECT. DISTR	CENSUS TRACT		DATE: 4/17/08
SUBDIVISION NAME COLUMBIA 100 O	FFICE RESEARCH PARK	SECTION/AREA SECTION	1; AREA 2	LOT/PARCEL NO. 406, PARCEL P-2	111/11	PROJECT NO.: ND062057
	PERM	WIT INFORMATION	CHART			DRAWN BY: R.F.G.
				·	DATE	DESIGNED BY: A.G.S.
				· · · ·	4125108	
PARCEL P-2/PARC	LL 400 4915 E	ALCUTIVE PARK DRIVE	, CULUMBIA HUWAK	D COUNTY, MD 21045		ngineering.com
) 821-7900) 821-7987
LOT/PARCEL		ADDRESS CHART	REET ADDRESS	<u></u>	TOWSON, M	ARYLAND 21286
	<u> </u>					AGLES COURT TE 300
· · ·	ELLICOTT CITY, M PHONE: (410) 31		ELLICOTT CITY, PHONE: (410) 3			
· .	3430 COURTHOUS	se drive	3430 COURTHOU	JSE DRIVE	II S S B C	H L E K N E E R I N G
	HOWARD COUNTY AND ZONING DEP	PLANNING	HOWARD COUNT AND ZONING DE	Y PLANNING		
	STORMWATER MA	ANAGEMENT	PLANNING AND			
	PHONE: (410) 22	24-5286	ELLICOTT CITY, PHONE: (410) 3			SHEET
	7133 RUTHERFOR BALTIMORE, MD		3430 COURTHOU	ISE DRIVE	2ND ELECTION DISTRICT, HO	WARD COUNTY, MARYLAND
	VERIZON		DEPARTMENT OF LICENSES & PEI	INSPECTIONS,	PARCEL 406, PARCEL P	-2 L. 4262, F. 620
	TELEPHONE			SEDIMENT CONTROL	AREA 1.6026 AC. TAX MAP 30	RD COUNTY, MARYLAND SRID 12 ZONED B-1
	PHONE: (410) 85	9-9383	COLUMBIA, MD PHONE: (410) 3	21045	4915 EXEC	C ASSOCIATES/PROVIDENT BANK UTIVE PARK DRIVE PD COUNTY MARYLAND
	7317 PARKWAY D SOUTH HANOVER,		OF UTILITIES 8250 OLD MONT	· · · ·	PROJECT COLUMBIA 100 OF	FICE RESEARCH PARK
	BALTIMORE GAS A	IND ELECTRIC	WATER AND SAI HOWARD COUNTY	<u>NITARY SEWER</u> (PUBLIC WORKS BUREAU	HUNT VALLEY, ND 21031 PHONE: 410-628-6000	WESTMINSTER, MD 21157 PHONE: 410-386-1600
	UTILITI NATURAL GAS AN				EXECUTIVE PARK DRIVE ASSOC., LLC 216 SCHILLING CIRCLE SUITE 300	OVERTON & ASSOCIATES 909 BALTIMORE BLVD.
		CONTACT	' INFORM	ΙΛΤΙΟΝ·	OWNERS:	DEVELOPER:
	· · · · · · · · · · · · · · · · · · ·				1 08/11/08 REVISED	PER ABCHITECTURALS EVISION DESCRIPTION
					2 11/18/08 REVISE	PER PUBLIC PLANS
					DIRECTOR	DATE
					Rend holes	le 4/2/0+
I. APPROVAL OF THIS	SITE DEVELOPMENT PL/	AN IS CONTINGENT	ON THE APPROVAL	. OF F-07-204	CHIEF-DIVISION OF LAND DEVELOPME	NETTYLE DATE
•	HE FIRE ALARM SYSTEM	and the second second			CHIEF-DEVELOPMENT ENGINEERING DI	VISION DATE
ELECTRONICALLY SUP	PERVISED TO NOTIFY A		E DOOR. THE BOX BEING ACCESSED		Mullen Mul	1 5/2/08



SITE PLAN GENERAL NOTES CONTINUED

- BEEN RECEIVED.
- ALL THOSE AGREEMENTS.

GRADING NOTES

- SHEETS PRIOR TO INSTALLATION.
- 9. REFER TO SITE PLAN FOR ADDITIONAL NOTES.

25. NEITHER THE PROFESSIONAL ACTIVITIES OF BOHLER ENGINEERING, P.C., NOR THE PRESENCE OF BOHLER ENGINEERING, P.C. OR ITS EMPLOYEES AND SUBCONSULTANTS AT A CONSTRUCTION/PROJECT SITE, SHALL RELIEVE THE GENERAL CONTRACTOR OF ITS OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING. BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING AND COORDINATING THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. BOHLER ENGINEERING, P.C. AND ITS PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PROGRAMS OR PROCEDURES. THE GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOBSITE SAFETY. BOHLER ENGINEERING, P.C. SHALL BE INDEMNIFIED BY THE GENERAL CONTRACTOR AND SHALL BE MADE ADDITIONAL INSURED UNDER THE GENERAL CONTRACTOR'S POLICIES OF GENERAL

26. BOHLER ENGINEERING, P.C. SHALL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE ACTION ON THE CONTRACTOR SUBMITTALS, SUCH AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND OTHER DATA, WHICH THE CONTRACTOR IS REQUIRED TO SUBMIT, BUT ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN IN THE CONSTRUCTION MEANS OR METHODS, COORDINATION OF THE WORK WITH OTHER TRADES, OR CONSTRUCTION SAFETY PRECAUTIONS. ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. BOHLER ENGINEERING'S REVIEW SHALL BE CONDUCTED WITH REASONABLE PROMPTNESS WHILE ALLOWING SUFFICIENT TIME TO PERMIT ADEQUATE REVIEW. REVIEW OF A SPECIFIC ITEM SHALL NOT INDICATE THAT BOHLER ENGINEERING, P.C. HAS REVIEWED THE ENTIRE ASSEMBLY OF WHICH THE ITEM IS A COMPONENT. BOHLER ENGINEERING, P.C. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS NOT BROUGHT TO THE ATTENTION OF BOHLER ENGINEERING, P.C. IN WRITING BY THE CONTRACTOR. BOHLER ENGINEERING, P.C. SHALL NOT BE REQUIRED TO REVIEW PARTIAL SUBMISSIONS OR THOSE FOR WHICH SUBMISSIONS OF CORRELATED ITEMS HAVE NOT

. IN AN EFFORT TO RESOLVE ANY CONFLICTS THAT ARISE DURING THE DESIGN AND CONSTRUCTION OF THE PROJECT OR FOLLOWING THE COMPLETION OF THE PROJECT, BOHLER ENGINEERING, P.C. AND THE CONTRACTOR MUST AGREE THAT ALL DISPUTES BETWEEN THEM ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE PROJECT SHALL BE SUBMITTED TO NONBINDING MEDIATION UNLESS THE PARTIES MUTUALLY AGREE OTHERWISE.

28. THE CONTRACTOR MUST INCLUDE A MEDIATION PROVISION IN ALL AGREEMENTS WITH INDEPENDENT SUBCONTRACTORS AND CONSULTANTS RETAINED FOR THE PROJECT AND TO REQUIRE ALL INDEPENDENT CONTRACTORS AND CONSULTANTS ALSO TO INCLUDE A SIMILAR MEDIATION PROVISION IN ALL AGREEMENTS WITH THEIR SUBCONTRACTORS. SUBCONSULTANTS. SUPPLIERS AND FABRICATORS. THEREBY PROVIDING FOR MEDIATION AS THE PRIMARY METHOD FOR DISPUTE RESOLUTION BETWEEN THE PARTIES TO

29. IF THE CONTRACTOR DEVIATES FROM THE PLANS AND SPECIFICATIONS, INCLUDING THE NOTES CONTAINED THEREON, WITHOUT FIRST OBTAINING PRIOR WRITTEN AUTHORIZATION FOR SUCH DEVIATIONS FROM THE OWNER AND ENGINEER, IT SHALL BE RESPONSIBLE FOR THE PAYMENT OF ALL COSTS TO CORRECT ANY WORK DONE, ALL FINES OR PENALTIES ASSESSED WITH RESPECT THERETO AND ALL COMPENSATORY OR PUNITIVE DAMAGES RESULTING THEREFROM. THE CONTRACTOR SHALL INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ALL SUCH COSTS TO CORRECT ANY SUCH WORK AND FROM ALL SUCH FINES AND PENALTIES. COMPENSATION AND PUNITIVE DAMAGES AND COSTS OF ANY NATURE RESULTING THEREFROM.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY BOHLER ENGINEERING, P.C. OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY BOHLER ENGINEERING, P.C. SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY 'THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.

2. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT COMPLETED BY TATE, SHABAZ & ASSOCIATES, P.C., TITLED GEOTECHNICAL INVESTIGATION REPORT DATED OCTOBER 31, 2006. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED AS OUTLINED IN THE GEOTECHNICAL REPORT. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL BE SUBMITTED IN COMPACTION REPORT PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER, REGISTERED WITH THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT. SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE BY OWNER OR OWNER'S REPRESENTATIVE. SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED AS DIRECTED BY THE GEOTECHNICAL REPORT.

3. ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATION SHALL BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND SHALL BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS.

4. THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.

5. PAVEMENT SHALL BE SAW CUT IN STRAIGHT LINES TO THE FULL DEPTH OF THE EXISTING PAVEMENT. ALL DEBRIS FROM REMOVAL OPERATIONS SHALL BE REMOVED FROM THE SITE AT THE TIME OF EXCAVATION. STOCKPILING OF DEBRIS WILL NOT BE PERMITTED.

6. THE TOPS OF EXISTING MANHOLES, INLET STRUCTURES, AND SANITARY CLEANOUT TOPS SHALL BE ADJUSTED, IF REQUIRED, TO MATCH PROPOSED GRADES IN ACCORDANCE WITH ALL APPLICABLE STANDARDS.

7. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHIC INFORMATION AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION, CONTRACTOR TO ENSURE 0.75% MINIMUM SLOPE AGAINST ALL ISLANDS, GUTTERS, AND CURBS; 1.0% ON ALL CONCRETE SURFACES; AND 1.5% MINIMUM ON ASPHALT, TO PREVENT PONDING. ANY DISCREPANCIES THAT MAY AFFECT THE PUBLIC SAFETY OR PROJECT COST MUST BE IDENTIFIED TO BOHLER ENGINEERING, P.C. IN WRITING IMMEDIATELY. PROCEEDING WITH CONSTRUCTION WITHOUT NOTIFICATION IS DONE SO AT THE CONTRACTOR'S OWN RISK.

8. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 6" ABOVE EXISTING LOCAL ASPHALT GRADE UNLESS OTHERWISE NOTED. FIELD ADJUST TO CREATE A MINIMUM OF 0.75% GUTTER GRADE ALONG CURB FACE. ENGINEER TO APPROVE FINAL CURBING CUT

10. IN CASE OF DISCREPANCIES BETWEEN PLANS OR RELATIVE TO OTHER PLANS, THE SITE PLAN WILL TAKE PRECEDENCE. IMMEDIATELY NOTIFY BOHLER ENGINEERING, P.C. IN WRITING OF ANY CONFLICTS.

11. CONTRACTOR SHALL BE REQUIRED TO SECURE ALL NECESSARY PERMITS AND APPROVALS FOR ALL OFF-SITE MATERIAL SOURCES AND DISPOSAL FACILITIES. CONTRACTOR SHALL SUPPLY A COPY OF APPROVALS TO ENGINEER AND OWNER PRIOR TO INITIATING

12. THIS PLAN IS BASED ON ARCHITECTURAL PLANS BY R.W. LARSON ARCHITECT. ENTITLED: "PROVIDENT BANK, EXECUTIVE PARK DRIVE & ROUTE 100, COLUMBIA, HOWARD COUNTY MARYLAND 21045 (PROJECT: 060697-07285), DATED: 06/20/08

DEMOLITION NOTES

1. THIS PLAN IS BASED ON DOCUMENTS AND INFORMATION BY:

BOHLER ENGINEERING, P.C. 22630 DAVIS DRIVE, SUITE 200

STERLING, VIRGINIA 20164

ENTITLED "BOUNDARY & TOPOGRAPHIC SURVEY OVERTON & ASSOCIATES, PART OF LOT P COLUMBIA 100 OFFICE RESEARCH PARK, PLAT NUMBER 7526, COLUMBIA, 2ND ELECTION DISTRICT, HOWARD

COUNTY, MARYLAND"

DATED 07/06/07 PROJECT NO.: S075623.SR

2. BOHLER ENGINEERING, P.C. IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION.

3. ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AS

THE CONTRACTOR TO BOHLER ENGINEERING, P.C. IN WRITING FOR RESOLUTION PRIOR TO INITIATION OF SITE ACTIVITY.

4. PRIOR TO STARTING ANY DEMOLITION CONTRACTOR IS RESPONSIBLE FOR/TO:

AVAILABLE FOR REVIEW.

B. INSTALLING THE REQUIRED SOIL EROSION AND SEDIMENT CONTROL AND/OR TREE PROTECTION MEASURES PRIOR TO SITE DISTURBANCE.

C. LOCATING (VERTICALLY AND HORIZONTALLY) ALL UTILITIES AND SERVICES. INCLUDING, BUT NOT LIMITED TO GAS. WATER, ELECTRIC, SANITARY AND STORM SEWER, TELEPHONE, CABLE, FIBER OPTIC CABLE, ETC, WITHIN THE LIMITS OF DISTURBANCE. THE CONTRACTOR SHALL USE AND COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY NOTIFICATION SYSTEM TO LOCATE ALL THE UNDERGROUND UTILITIES.

D. PROTECTING AND MAINTAINING IN OPERATION, ALL ACTIVE SYSTEM THAT ARE NOT BEING REMOVED DURING ALL DEMOLITION ACTIVITIES.

E. FAMILIARIZING THEMSELVES WITH THE APPLICABLE UTILITY SERVICE PROVIDER AND IS RESPONSIBLE FOR ALL COORDINATION REGARDING UTILITY DEMOLITION REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE OWNER WRITTEN NOTIFICATION THAT THE EXISTING UTILITIES AND SERVICES HAVE BEEN TERMINATED AND ABANDONED IN ACCORDANCE WITH JURISDICTION AND UTILITY COMPANY REQUIREMENTS.

F. COORDINATION WITH UTILITY COMPANIES REGARDING WORKING "OFF-PEAK" HOURS OR ON WEEKENDS AS MAY BE REQUIRED TO MINIMIZE THE IMPACT ON THE AFFECTED PARTIES.

G. A COMPLETE INSPECTION FOR CONTAMINANTS BY A LICENSED ENVIRONMENTAL TESTING AGENCY. OF ALL BUILDINGS AND/OR STRUCTURES TO BE REMOVED. SAME SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL ENVIRONMENTAL REGULATIONS. ANY/ALL CONTAMINANTS SHALL BE REMOVED AND DISPOSED OF BY A FEDERALLY LICENSED CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. ALL ENVIRONMENTAL WORK INCLUDING HAZARDOUS MATERIAL, SOILS, ASBESTOS, OR OTHER REFERENCED OR IMPLIED HEREIN IS THE SOLE RESPONSIBILITY OF THE OWNER'S ENVIRONMENTAL CONSULTANT.

5. BOHLER ENGINEERING, P.C. IS NOT RESPONSIBLE FOR JOB SITE SAFETY OR SUPERVISION. CONTRACTOR IS TO PROCEED WITH THE DEMOLITION IN A SYSTEMATIC AND SAFE MANNER, FOLLOWING ALL THE OSHA REQUIREMENTS, TO ENSURE PUBLIC AND CONTRACTOR SAFETY.

6. THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF EXISTING STRUCTURES, AND ANY OTHER IMPROVEMENTS THAT ARE REMAINING ON OR OFF SITE. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS OF DAMAGE TO ALL ITEMS THAT ARE TO REMAIN AS A RESULT OF HIS ACTIVITIES. ALL REPAIRS SHALL USE NEW MATERIAL. THE REPAIRS SHALL RESTORE THE ITEM TO THE PRE-DEMOLITION CONDITION.

7. IN THE ABSENCE OF SPECIFICATIONS, THE CONTRACTOR SHALL PERFORM EARTH MOVEMENT ACTIVITIES, DEMOLITION AND REMOVAL OF ALL FOUNDATION WALLS, FOOTINGS, AND OTHER MATERIALS WITHIN THE LIMITS OF DISTURBANCE IN ACCORDANCE WITH DIRECTION BY OWNER'S STRUCTURAL OR GEOTECHNICAL ENGINEER.

8. EXPLOSIVES SHALL NOT BE USED WITHOUT PRIOR WRITTEN CONSENT OF BOTH THE OWNER AND APPLICABLE GOVERNMENTAL AUTHORITIES. ALL THE REQUIRED PERMITS AND EXPLOSIVE CONTROL MEASURES THAT ARE REQUIRED BY THE FEDERAL, STATE, AND LOCAL GOVERNMENTS SHALL BE IN PLACE PRIOR TO STARTING AN EXPLOSIVE PROGRAM. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL INSPECTION AND SEISMIC VIBRATION TESTING THAT IS REQUIRED TO MONITOR THE EFFECTS ON ALL LOCAL STRUCTURES.

9. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL AND GENERALLY ACCEPTED SAFE PRACTICES IN CONFORMANCE WITH: THE "MANUAL ON UNIFORM TRAFFIC CONTROL," AS WELL AS FEDERAL, STATE, AND LOCAL REGULATIONS WHEN DEMOLITION RELATED ACTIVITIES IMPACT ROADWAYS OR ROADWAY RIGHTS - OF - WAY.

10. CONDUCT DEMOLITION ACTIVITIES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS. STREETS. SIDEWALKS, WALKWAYS, AND OTHER ADJACENT FACILITIES. STREET CLOSURE PERMITS MUST BE RECEIVED FROM THE APPROPRIATE GOVERNMENTAL AUTHORITY.

11. DEMOLITION ACTIVITIES AND EQUIPMENT SHALL NOT USE AREAS OUTSIDE THE DEFINED PROPERTY LINE WITHOUT WRITTEN PERMISSION OF THE APPLICABLE PROPERTY OWNER, AND/OR APPROPRIATE GOVERNMENT AGENCY. 12. USE DUST CONTROL MEASURES TO LIMIT AIRBORNE DUST AND DIRT RISING AND SCATTERING IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE, AND/OR LOCAL STANDARDS. AFTER THE DEMOLITION IS COMPLETE, ADJACENT STRUCTURES AND IMPROVEMENTS SHALL BE CLEANED OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. 13. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL ADJACENT AREAS TO THEIR "PRE-DEMOLITION" CONDITION. CONTRACTOR IS RESPONSIBLE TO SAFEGUARD SITE AS NECESSARY TO PERFORM THE DEMOLITION IN SUCH A MANNER

AS TO PREVENT THE ENTRY OF UNAUTHORIZED PERSONS AT ANY TIME.

14. THIS DEMOLITION PLAN IS INTENDED TO IDENTIFY THOSE EXISTING ITEMS/CONDITIONS WHICH ARE TO BE REMOVED. IT IS NOT INTENDED TO PROVIDE DIRECTION OTHER THAN THAT ALL METHODS AND MEANS ARE TO BE IN ACCORDANCE WITH STATE, FEDERAL, LOCAL, AND JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OSHA AND OTHER SAFETY PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK SITE.

15. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL DEMOLITION WASTES AND DEBRIS (SOLID WASTE) SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL TOWN, COUNTY, STATE, AND FEDERAL LAWS AND APPLICABLE CODES.

16. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. ALL LOCATIONS AND SIZES ARE BASED ON UTILITY MARK OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE AND ACCESSIBLE IN THE FIELD AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARK OUTS DO NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATIONS ARE TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATIONS, SIZE AND TYPE BY THE PROPER UTILITY COMPANY AND OR CONTRACTOR.

17. ELEVATIONS ARE BASED UPON NAVD 88, REF. HOWARD COUNTY CONTROL STATIONS 30IA AND 30FA. MARYLAND STATE PLANE GRID NORTH REFERENCES HOWARD COUNTY SURVEY CONTROL STATIONS 30IA AND 30FA, NAD27.

18. PROPERTY IS LOCATED IN FLOOD HAZARD ZONE 'C' (AREA OF MINIMAL FLOODING PER MAP ENTITLED "NATIONAL FLOODING INSURANCE PROGRAM" FIRM-FLOOD INSURANCE RATE MAP, HOWARD COUNTY, MARYLAND, PANEL 28 OF 45", COMMUNITY-PANEL NUMBER 240044 0028 C. MAP REVISED 4-2-97.

SURVEY REFERENCES

1. THE MARYLAND DEPARTMENT OF ASSESSMENTS AND TAXATION RECORDS FOR HOWARD COUNTY, MAP NUMBER 30.

2. MAP ENTITLED "FIRM, FLOOD INSURANCE RATE MAP, HOWARD COUNTY. MARYLAND (UNINCORPORATED AREAS), PANEL 28 OF 45", COMMUNITY-PANEL NUMBER 240044 0028 C, MAP REVISED EFFECTIVE DATE APRIL 2, 1997.

3. MAP ENTITLED "BOUNDARY AND TOPOGRAPHICAL SURVEY, CHICK-FIL-A, INC., MD. ROUTE #100 AND EXECUTIVE PARK DRIVE, 2-ND ELECTION DISTRICT, HOWARD COUNTY, MD", DATED AUGUST 20, 1998 AND LAST REVISED ON JUNE 24, 1999 AND PREPARED BY APR ASSOCIATES, INC., BALTIMORE, MARYLAND.

4. MAP ENTITLED "RIGHT OF WAY PROJECT: MARYLAND ROUTE 100 FROM U.S. ROUTE 29 TO INTERSTATE 95. RIGHT OF WAY PROJECT NO. H0-661-301-770, PLAT NO. 54575", DATED FEBRUARY 19, 1997 AND PREPARED BY THE STATE OF MARYLAND, DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION, STATE ROADS COMMISSION.

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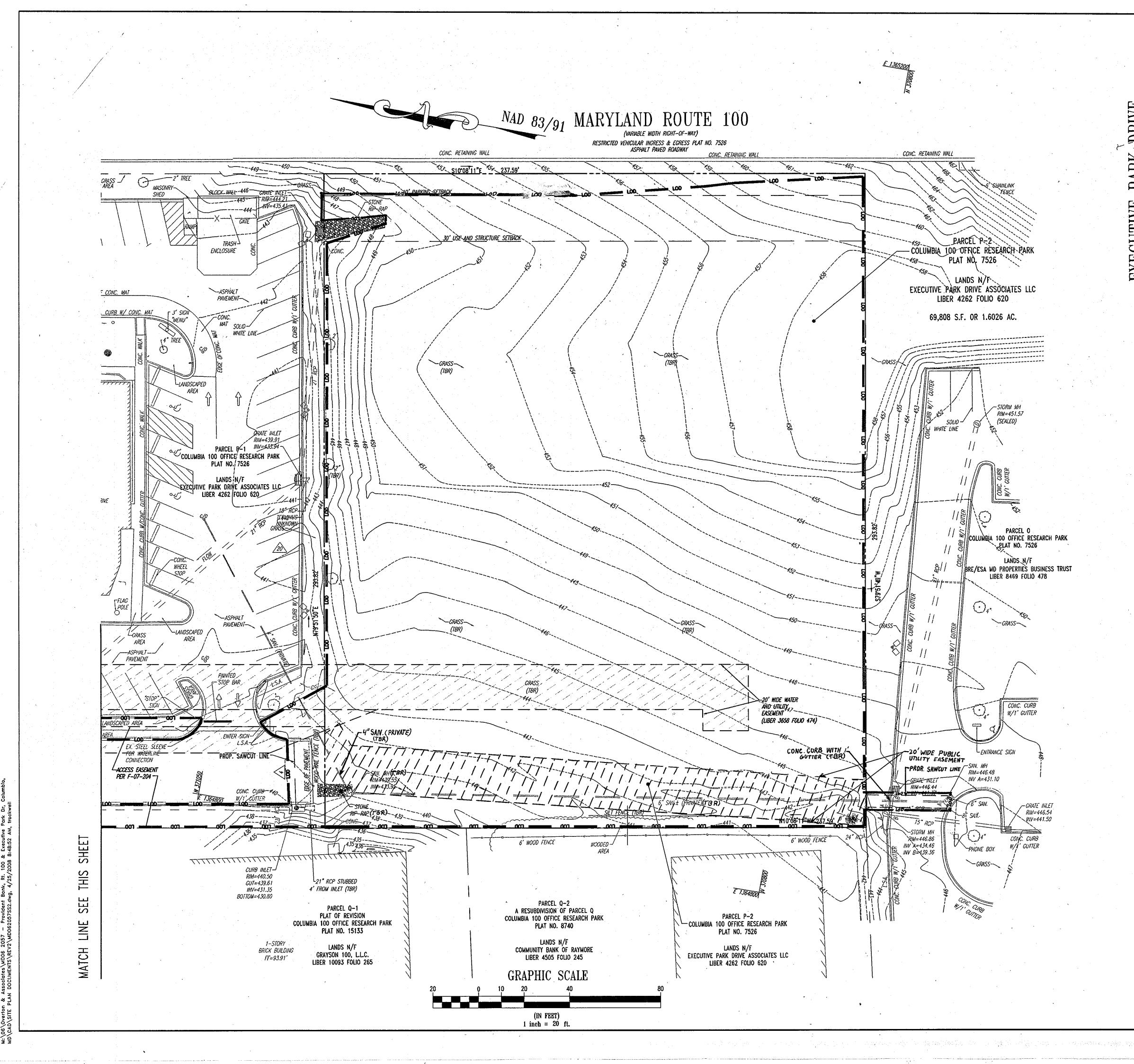
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WELL AS ALL FEDERAL, STATE AND LOCAL REGULATIONS. ANY DISCREPANCIES OR DEVIATIONS SHALL BE IDENTIFIED BY

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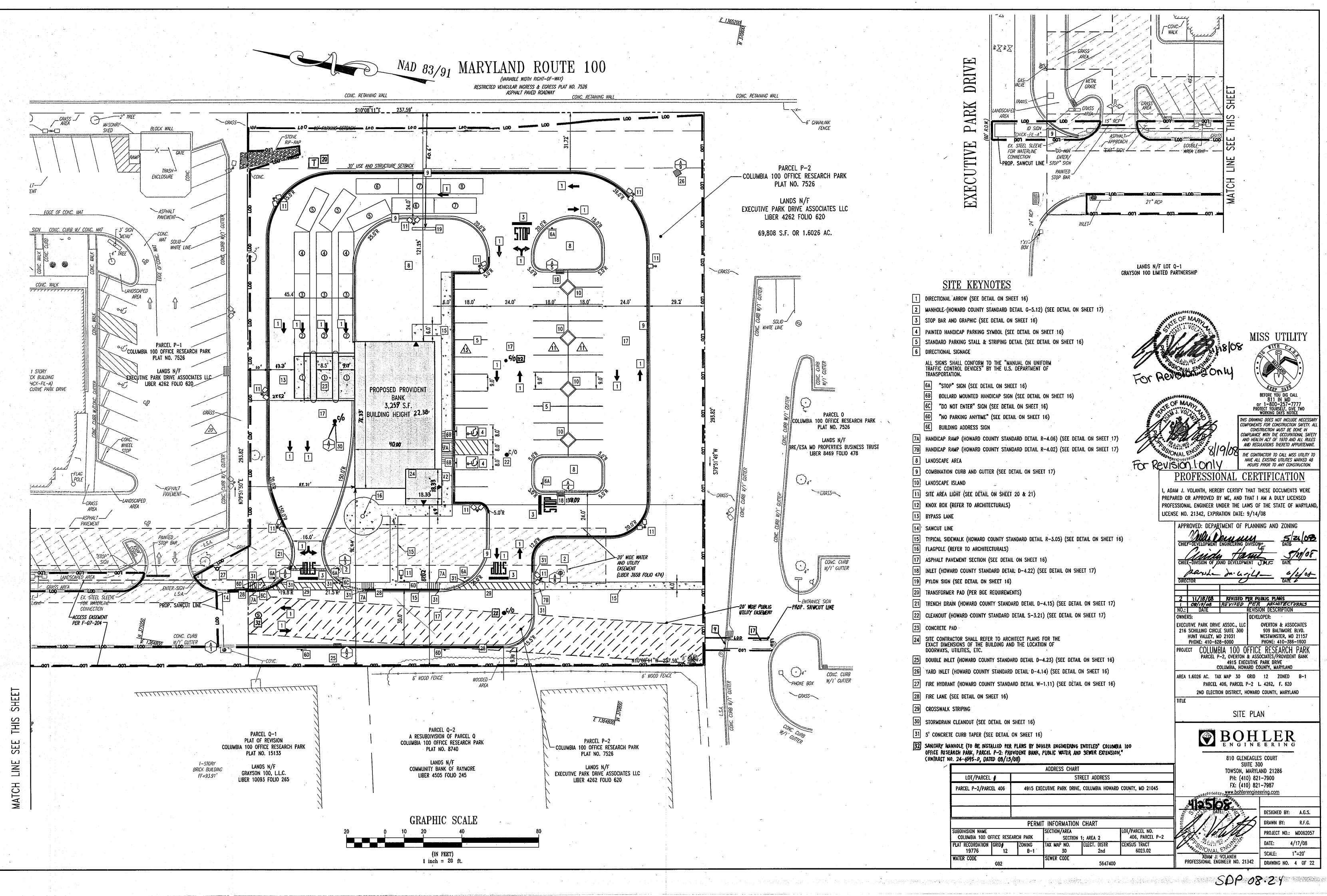
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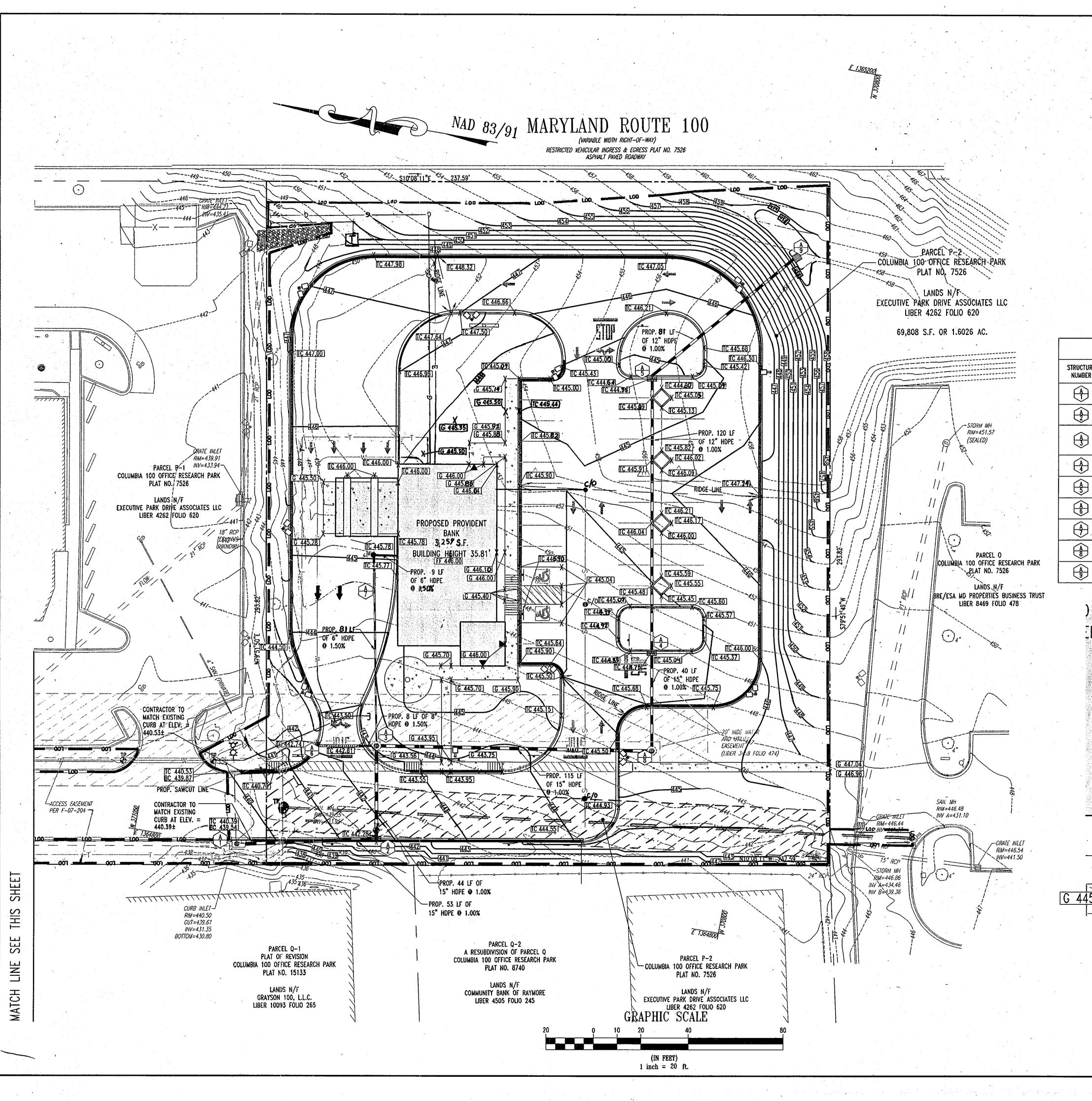
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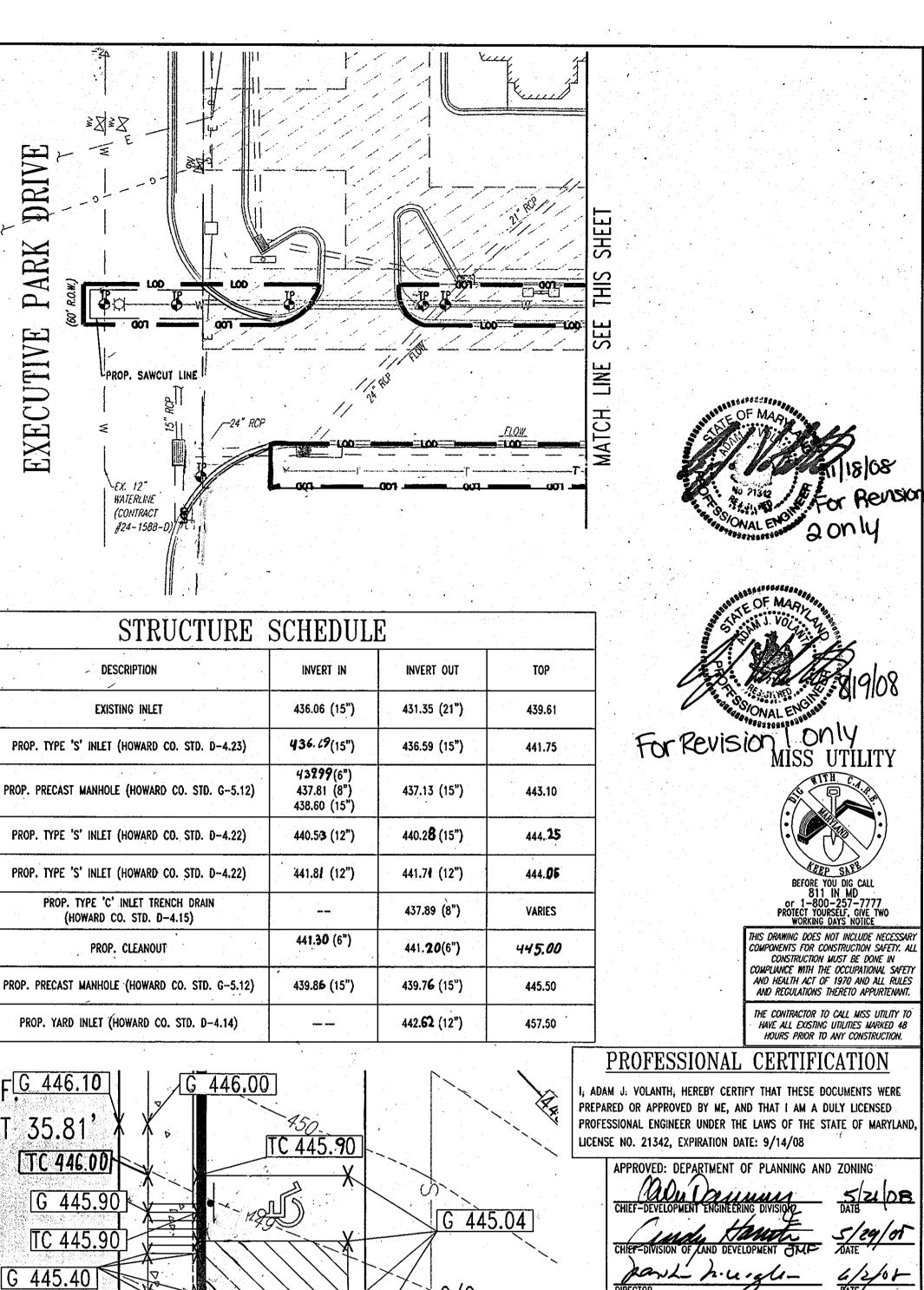
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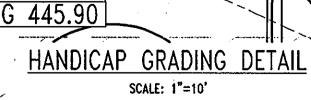
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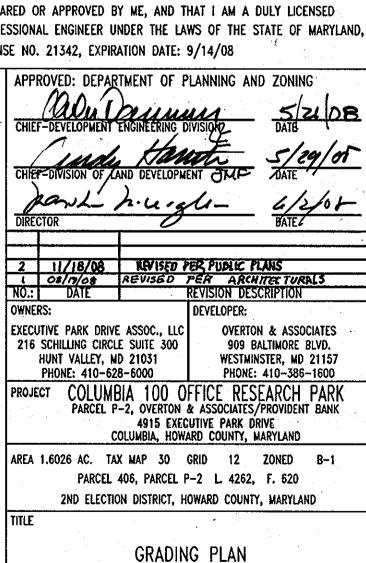
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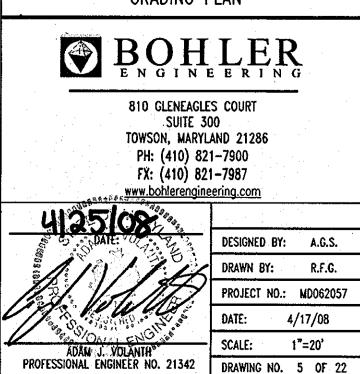
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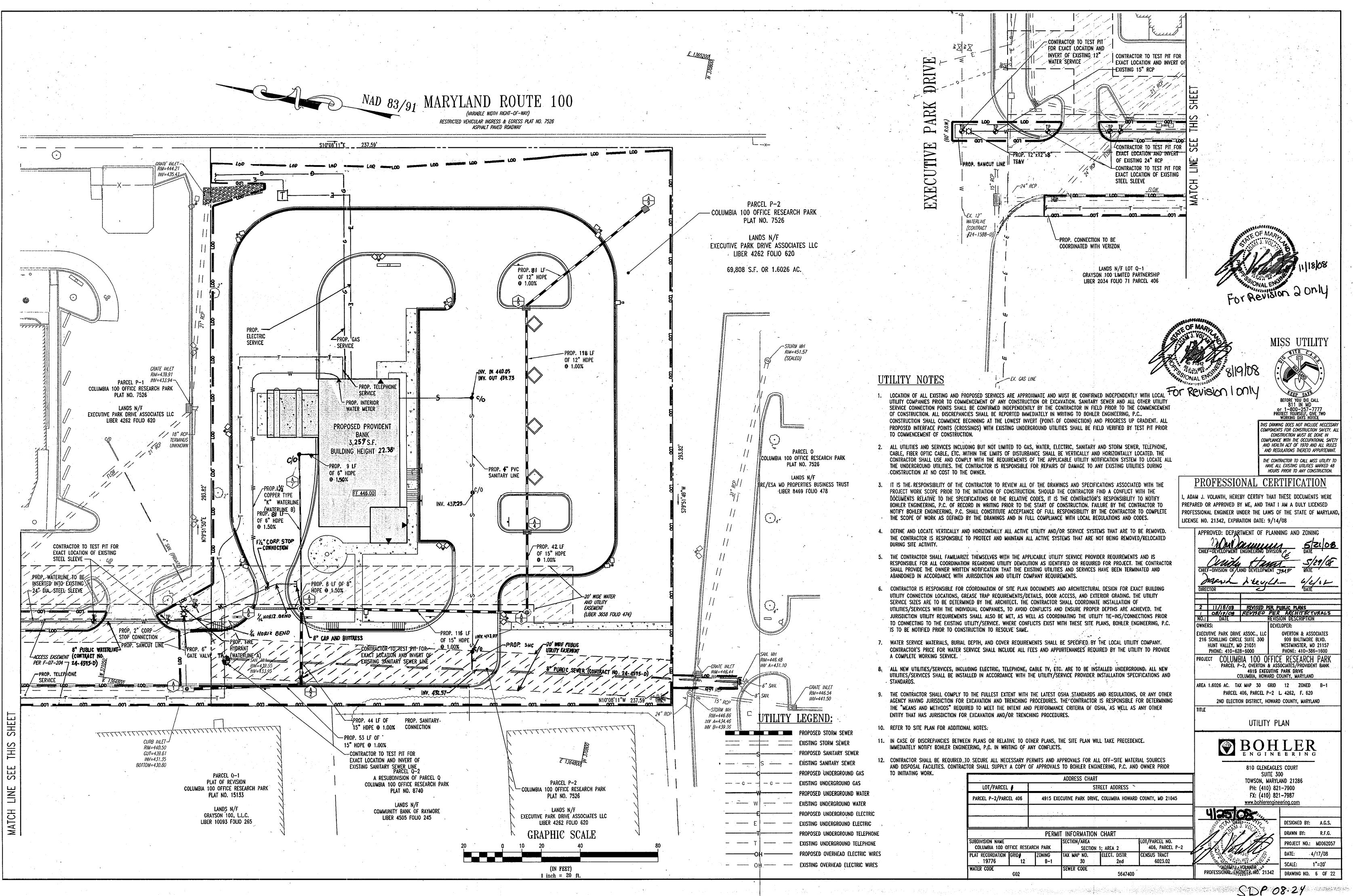
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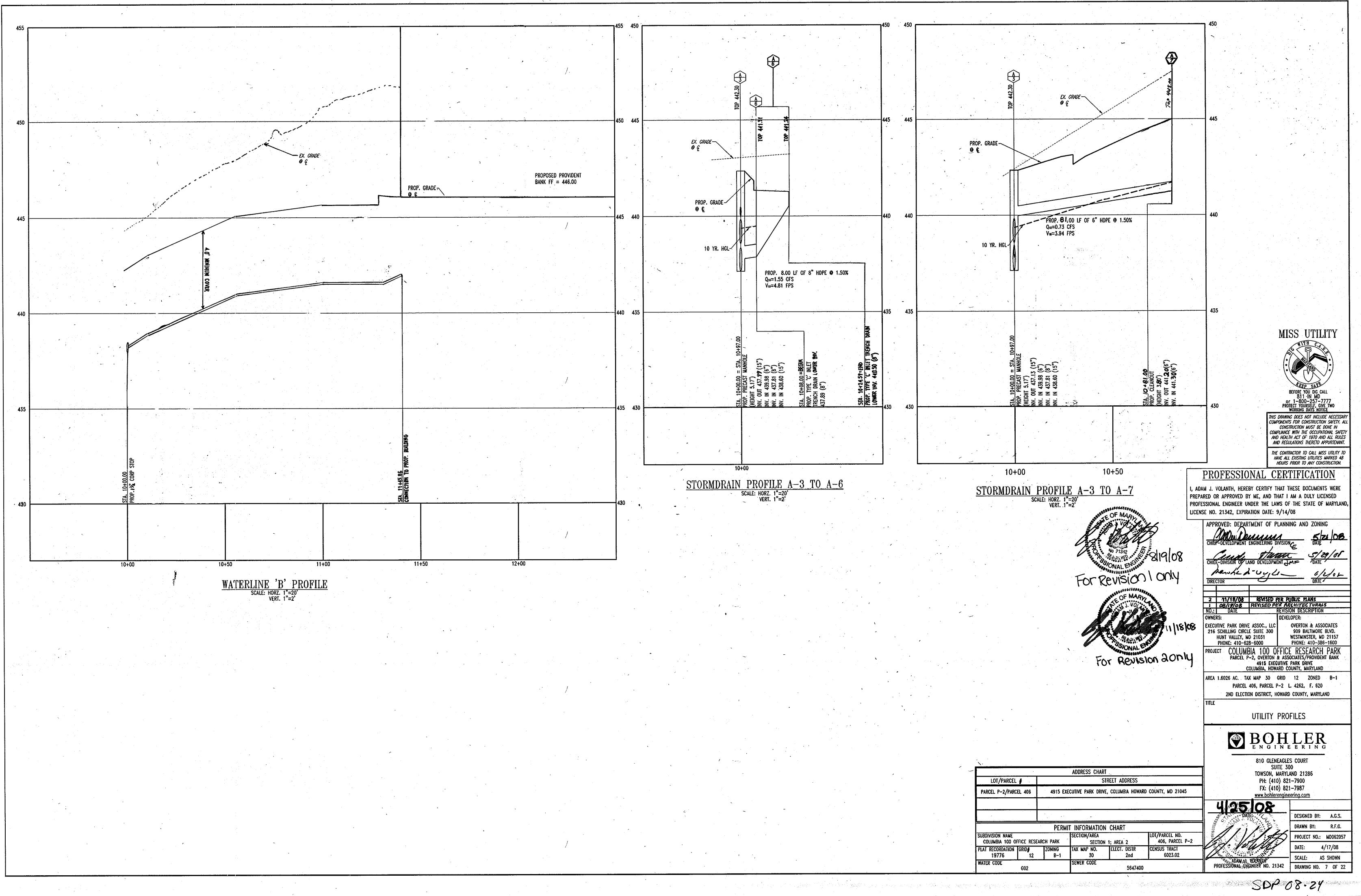




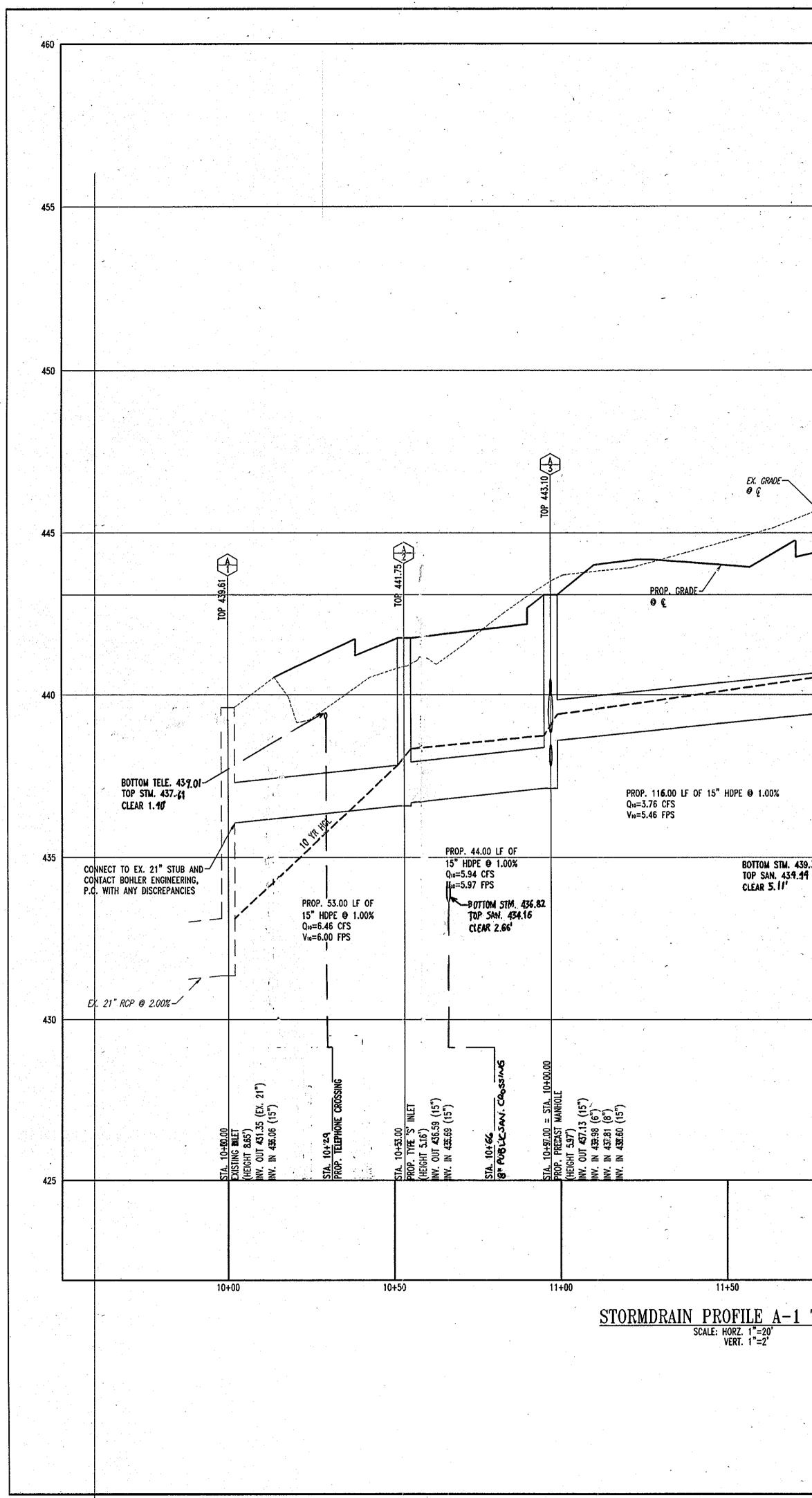


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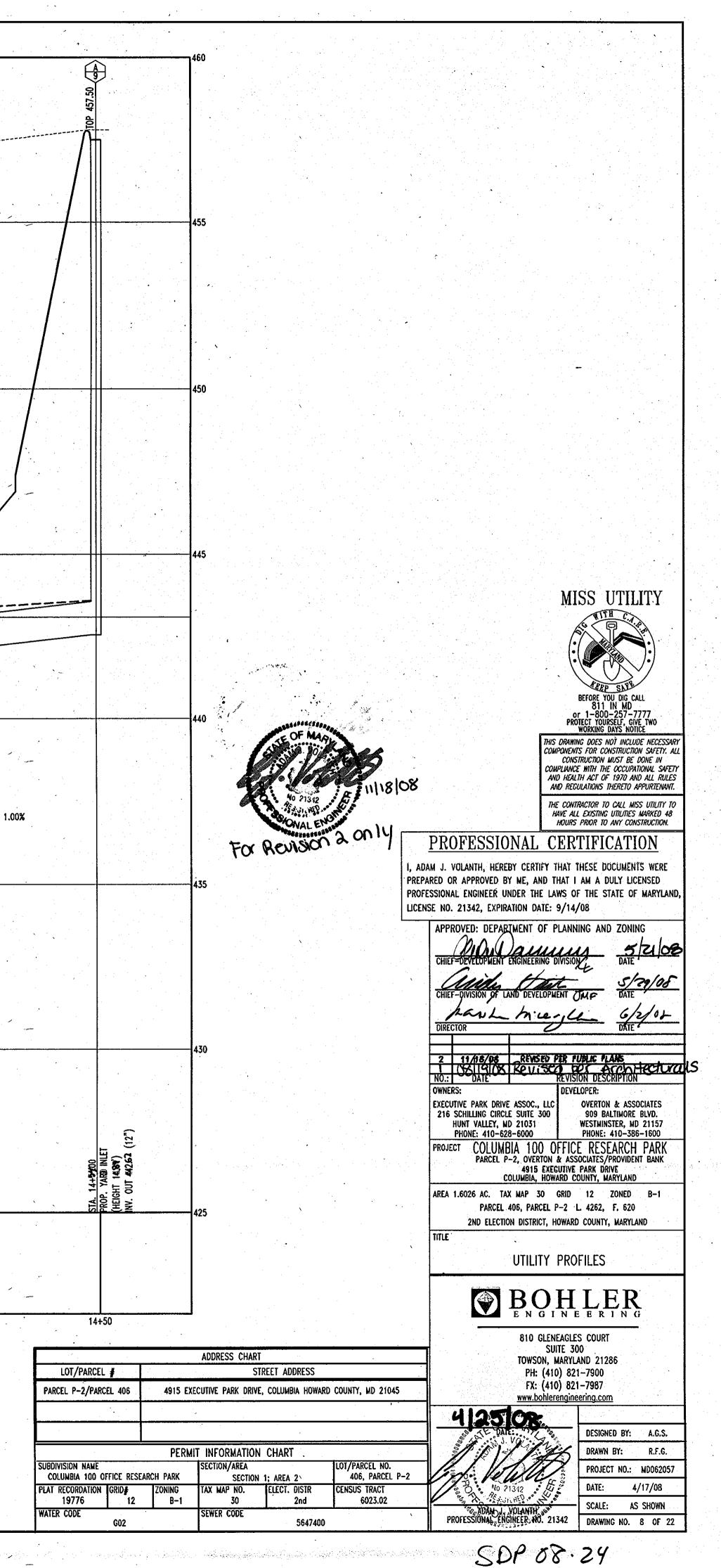


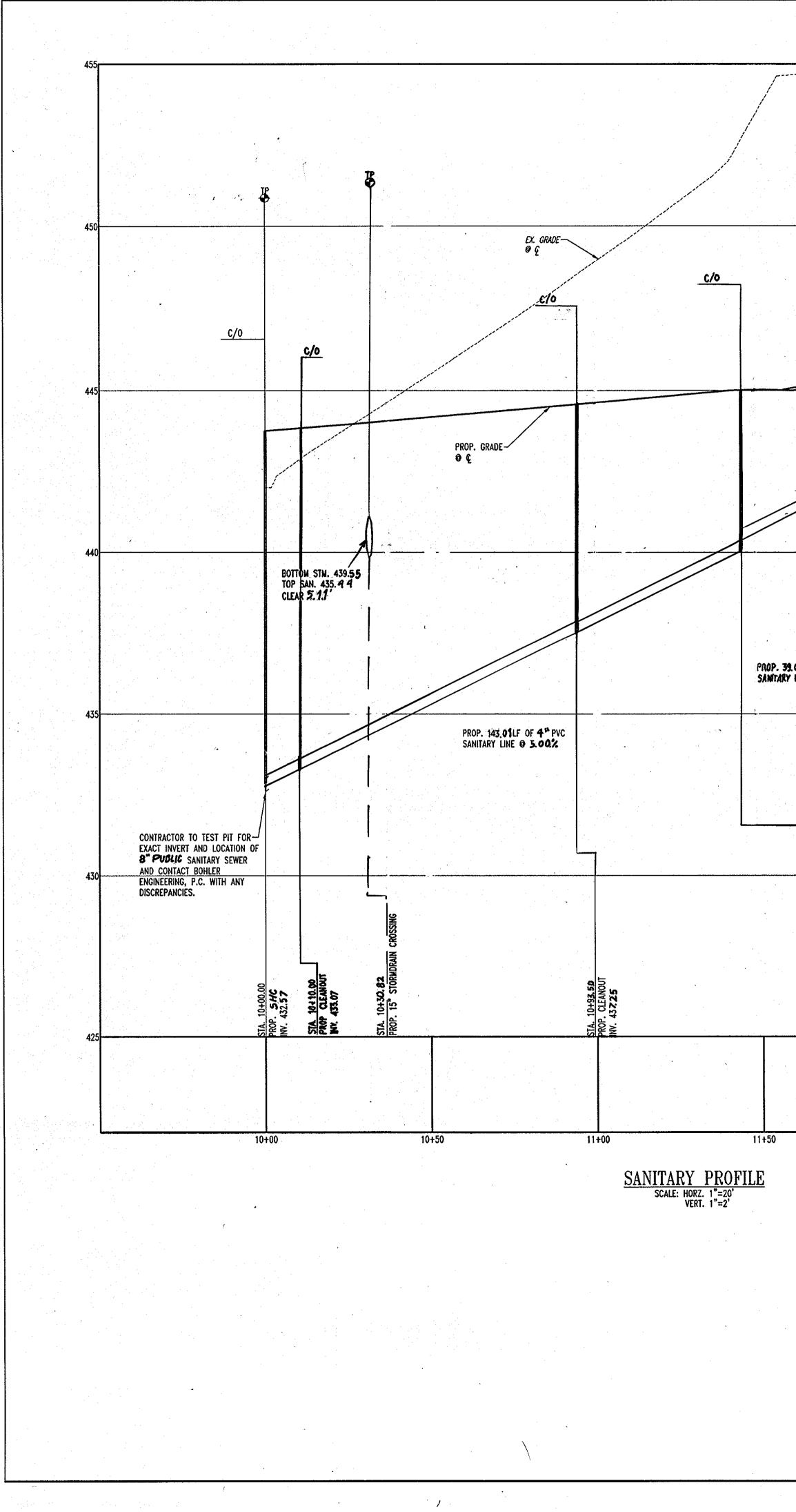
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139.55	PROP. 42.00 LF OF 15" HDPE ● 1.00% Qto=3.79 CFS Vto=5.47 FPS	PROP. 118.00 LF OF 12" HDPE @ 1.00% Qu=2.17 CFS Vu=4.76 FPS Vu=2.41 FPS	12" HDPE • 1.
139.55	PROP. 42.00 LF OF 15" HDPE @ 1.00% Q10=3.79 CFS V10=5.47 FPS	PROP. 118.00 LF OF 12" HDPE \oplus 1.00% Q ₁₀ =2.17 CFS V ₁₀ =4.76 FPS V=2.41 FPS	12" HDPE @ 1.
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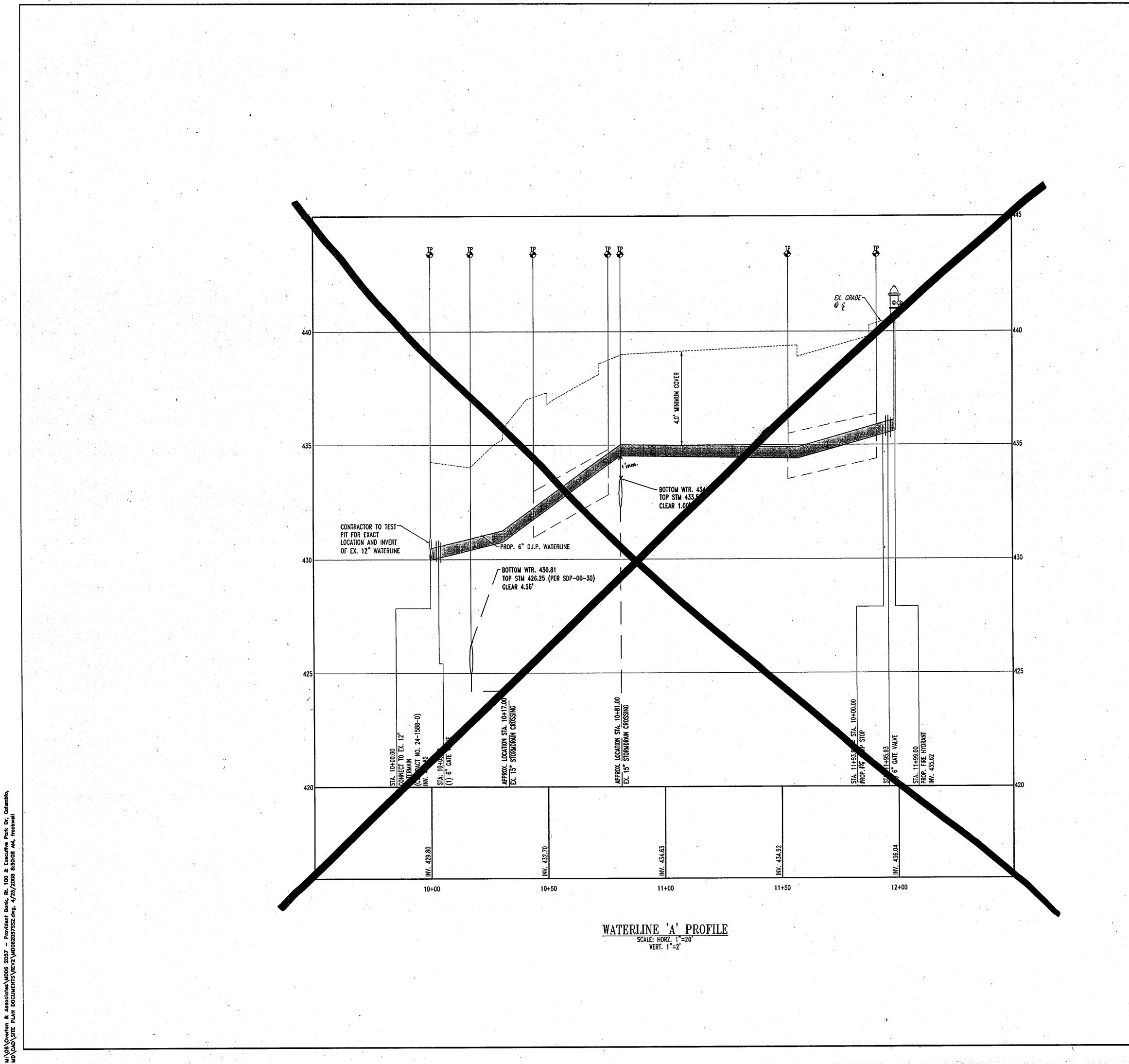




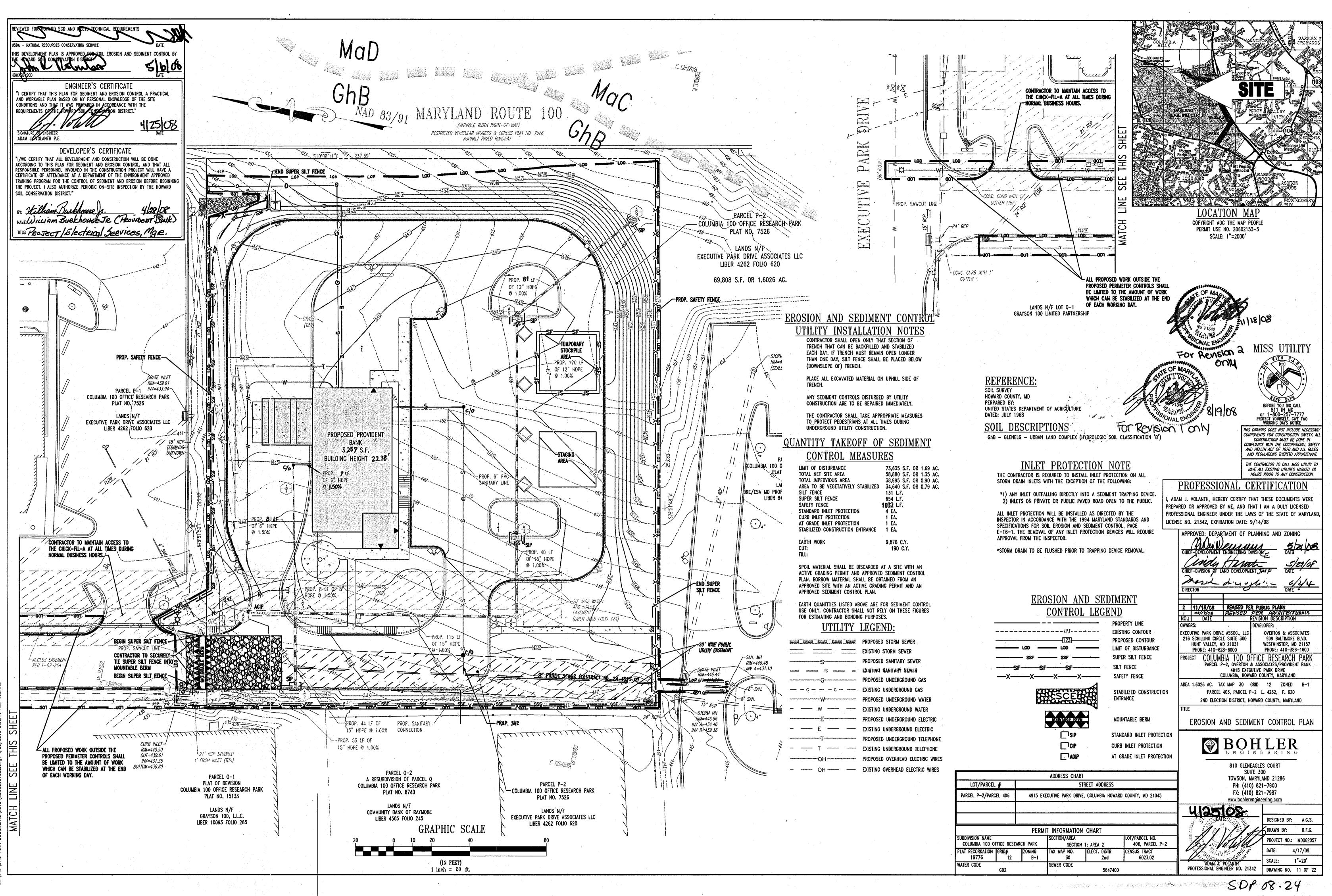
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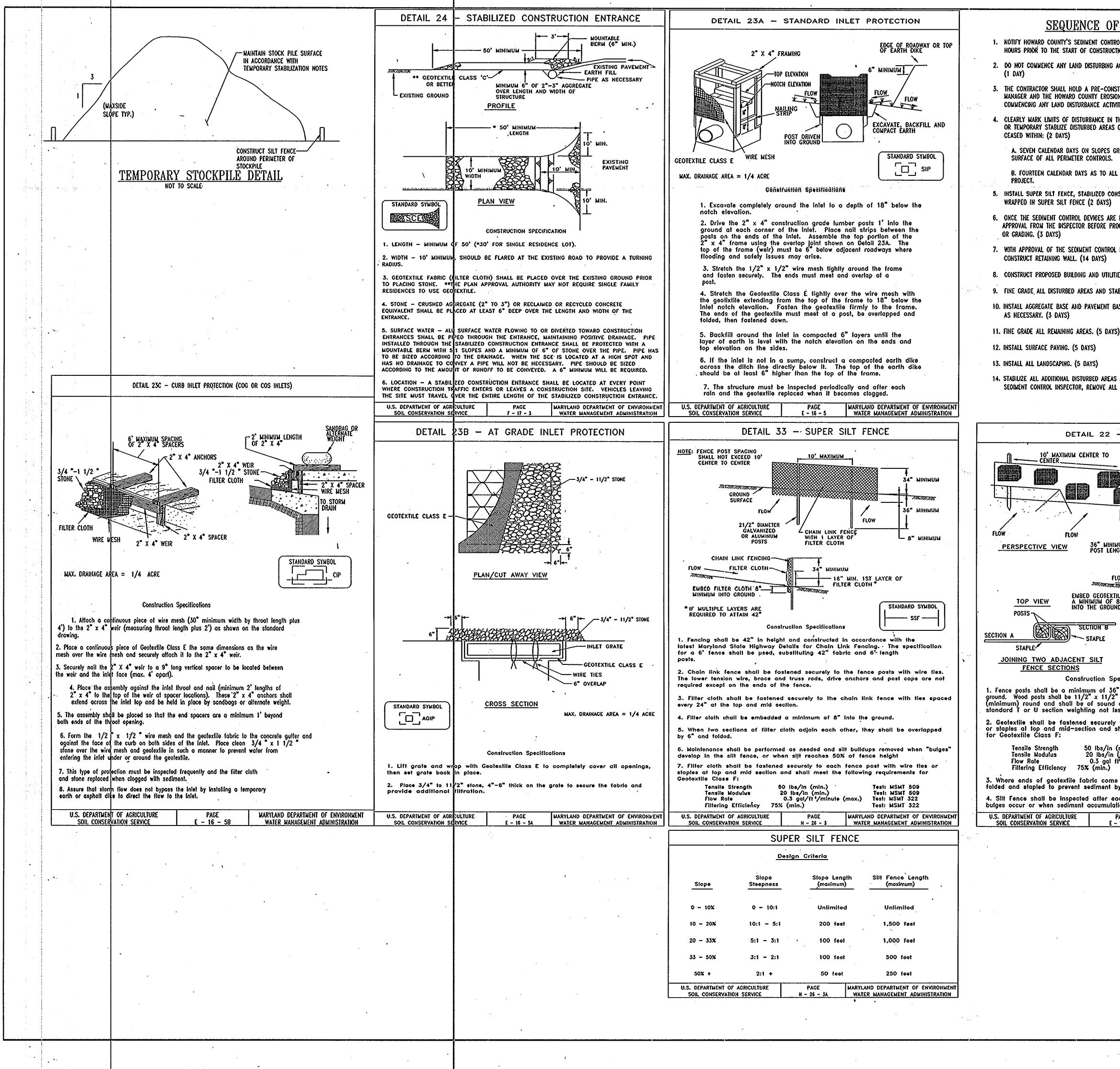
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MISS UTILITY 11808 For Revision 2 only THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND RECULATIONS THERETO APPURTENANT. THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION. For Revision PROFESSIONAL CERTIFICATION I, ADAM J. VOLANTH, 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. 21342, EXPIRATION DATE: 9/14/08 APPROVED: DEPARTMENT OF PLANNING AND ZONING CHIEF-DEVELOPMENT ENGINEERING DIVISION 5 2108 DATE CHIEF-DIVISION OF LAND DEVELOPMENT THE DATE sand pilesple 6/2/0+ DIRFCTOR 2 11/18/08 REVISED PER PUBLIC PLANS 1 08/19/08 REVISED PER ARCHITECTORALS NO.: DATE REVISION DESCRIPTION OWNERS: **DEVELOPER:** EXECUTIVE PARK DRIVE ASSOC., LLC 216 SCHILLING CIRCLE SUITE 300 HUNT VALLEY, ND 21031 PHONE: 410-628-6000 OVERTON & ASSOCIATES 909 BALTIMORE BLVD. WESTMINSTER, MD 21157 PHONE: 410-386-1600 PROJECT COLUMBIA 100 OFFICE RESEARCH PARK PARCEL P-2, OVERTON & ASSOCIATES/PROVIDENT BANK 4915 EXECUTIVE PARK DRIVE COLUMBIA, HOWARD COUNTY, MARYLAND AREA 1.6026 AC. TAX MAP 30 GRID 12 ZONED B-1 PARCEL 406, PARCEL P-2 L. 4262, F. 620 2ND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND UTILITY PROFILES BOHLER ENGINEERING 810 GLENEAGLES COURT SUITE 300 TOWSON, MARYLAND 21286 ADDRESS CHART LOT/PARCEL # STREET ADDRESS 4915 EXECUTIVE PARK DRIVE, COLUMBIA HOWARD COUNTY, MD 21045 PARCEL P-2/PARCEL 406 412508 DESIGNED BY: A.G.S. DRAWN BY: R.F.C. PERMIT INFORMATION CHART SECTION/AREA SECTION 1; AREA 2 ELECT LOT/PARCEL NO. 406, PARCEL P-2 SUBDIVISION NAME Colundia 100 office research park · VI Wille PROJECT NO .: ND062057 DATE: 4/17/08 CENSUS TRACT 6023.02 ZONING B-1 PLAT RECORDATION GRID 19776 12 TAX MAP NO. ELECT. DISTR 30 2nd SCALE: AS SHOWN ADAM J.* VOLANTH PROFESSIONAL ENGINEER NO. 21342 DRAWING NO. 10 OF 22 WATER CODE SEWER CODE 5647400 G02 SDP 08-24



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STANDARD AND SPECIFICATIONS FOR **VEGETATIVE STABILIZATION WITH SOD** SPECIFICATIONS:

- 1. CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SOD.
- 2, SOD SHALL BE NACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 INCH PLUS OR MINUS 1/4 INCH., AT THE TIME OF CUTTING. NEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH
- 3. STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION
- 4. INDIVIDUAL PIECES OF SOD SHALL BE CUT TO THE SUPPLIERS WIDTH AND LENGTH. MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTHS SHALL BE 5 PERCENT. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
- 5. SOD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN NOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL
- 6. SOD SHALL BE HARVESTED. DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO INSTALLATION.

SITE PREPARATION:

- 3-8

FERTILIZER AND LINE APPLICATION RATES SHALL BE DETERMINED BY SOIL TEST. UNDER UNUSUAL CIRCUMSTANCES WHERE THERE IS INSUFFICIENT TIME FOR A COMPLETE SOIL TEST. FERTILIZER AND LINE MATERIALS WAY BE APPLIED IN AMOUNTS SHOWN UNDER B, BELOW.

- A. PRIOR TO SODDING, THE SURFACE SHALLBE CLEARED OF ALL TRASH, DEBRIS AND OF ALL ROOTS, BRUSH, WIRE, GRADE STAKES AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING. FERTILIZING OR MAINTENANCE OPERATIONS.
- B. WHERE THE SOIL IS ACID OR COMPOSED OF HEAVY CLAYS, GROUND LINESTONE SHALL BE SPREAD AT THE RATE OF 2 TONS PER ACRE (100 LBS./1000 SQ. FT.) IN ALL SOILS 1,000 POUNDS PER ACRE OR 25 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 FERTILIZER OR EQUIVALENT SHALL BE UNIFORMLY APPLIED AND MIXED INTO THE TOP 3 INCHES OF SOIL WITH THE REQUIRED LINE.
- C. ALL AREAS RECEIVING SOD SHALL BE UNIFORMLY FINE GRADED. HARD PACKED EARTH SHALL BE SCARIFIED PRIOR TO PLACEMENT OF SOD. SOD INSTALLATION:
- A. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE THE SOIL SHALL BE LIGHTLY IRRIGATED INNEDIATELY PRIOR TO LAYING
- B. THE TIRST ROW OF SOD SHALL BE LAID IN A STRAIGHT LINE WITH
- EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. INSURE THAT SOD IS NOT ORDER TO PREVENT VOIDS WHICH COULD CAUSE AIR DRYING OF
- THE ROOTS. LAID WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH
- STAGGERED JOINTS. SECURE THE SOD BY TAMPING AND PEGGING OR OTHER APPROVED METHODS.
- D. AS SODDING IS COMPLETED IN ANY ONE SECTION. THE ENTIRE AREA SHALL BE ROLLED OR TAMPED TO INSURE SOLID CONTACT OF ROOTS WITH THE SOIL SURFACE, SOD SHALL BE WATERED IMMEDIATELY AFTER OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD SHALL BE COMPLETED WITHIN EIGHT HOURS.

SOD MAINTENANCE

- A. IN THE ABSENCE OF ADEQUATE RAINFALL, WATERING SHALL BE PERFORMED DAILY OR AS OFTEN AS NECESSARY DURING THE FIRST week and in sufficient quantities to maintain moist soil to a THE DAY TO PREVENT WILTING.
- B. AFTER THE FIRST WEEK, SOD SHALL BE WATERED AS NECESSARY TO MAINTAIN ADEQUATE KOISTURE AND INSURE ESTABLISHMENT.
- C; FIRST MOWING SHOULD NOT BE ATTEMPTED UNTIL SOD IS FIRMLY ROOTED. NO MORE THAN 1/3 OF THE GRASS LEAF SHALL BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS
- OTHERWISE SPECIFIED. D. MAINTENANCE OF ESTABLISHED SOD SHOULD FOLLOW SPECIFICATIONS OUTLINED IN TABLE 54-1.

- TOPSOIL CONSTRUCTION AND MATERIAL SPECIFICATIONS
- I. TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATIONS. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SOIL TYPE CAN BE FOUND IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
- II, TOPSOIL SPECIFICATIONS SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
 - i. TOPSOIL SHALL BE LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS WAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS. TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2' IN DIAMETER.
- ii. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSON GRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
- III, WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LINESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS PER ACRE (200-400 LBS./1000 SQ. FT.) PRIOR TO PLACEMENT OF TOPSOIL, LINE SHALL BE DISTURBED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.
- III. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
- i. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I -VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- IV. TOPSOIL APPLICATION
- i. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS. GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.
- II. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE NAINTAINED, ALBEIT 4" - 8" HIGHER IN ELEVATION.
- iii. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
- V. THESE TOPSOIL SPECIFICATIONS HAVE BEEN EDITED FROM THE 1994 EROSION AND SEDIMENT CONTROL STANDARDS TO FIT THIS PROJECT. I IS STILL THE INTENTION TO FOLLOW THE REFERENCED 1994 EROSION AND SEDIMENT CONTROLS STANDARDS IN THEIR ENTIRETY.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO INMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING. DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED).

- FOLLOWING SCHEDULES: PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ. FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL, AT TIME OF SEEDING,
- LBS./1000 SQ. FT.) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOWITIC LIMESTONE (92 LBS./1000 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR disc into upper three inches of soils.

SEEDING: FOR THE PERIODS WARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS./1000 SQ. FT.) OF KINTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ. FIT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHDRED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD, OPTION (3) SEED WITH 60 LOS, ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ. FT.) OF UTROTTED SMALL GRAIN STRAW INMEDIATELY AFTER SEEDING. ANCHOR MULCH INVEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GALS./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FALT AREA. ON SLOPES 8 FEET OR UIGHER, USE 348 GALLONS PER ACRE (8 GALS./1000 SQ. FT.) FOR ANCHORING

MAINTENANCE: INSPECT ALL SEEDED AREAS AND WAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREA LIKELY TO REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

EDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED).

SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS. (1000 SQ. FT.)

SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/3 BU. PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SO. FT.). FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (.07 LBS./1000 SQ. FT.) FOR THE PERIOD NOVEMBER 10 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND seed as soon as possible in the spring, or use sod.

MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70-90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH INNEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GALS./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON LAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 GALS./1000 SQ. FT.) FOR ANCHORING.

NATURAL GAS AND ELECTRIC BALTIMORE GAS AND ELECTRIC 7317 PARKWAY DRIVE SOUTH HANOVER, MD 21076 PHONE: (410) 859-9383 TELEPHONE

> VERIZON 7183 RUTHERFORD ROAD BALTINORE, MD 21244 PHONE: (410) 224-5286

STORMWATER MANAGEMENT HOWARD COUNTY PLANNING AND ZONING DEPARTMENT 3430 COURTHOUSE DRIVE ELLICOTT CITY, MD 21043 PHONE: (410) 313-2350

WATER AND SANITARY SEWER HOWARD COUNTY PUBLIC WORKS BUREAU OF UTILITIES 8250 OLD MONTGONERY ROAD COLUMBIA, ND 21045 PHONE: (410) 313-4910

UTILITY CONTACTS:

EROSION AND SEDIMENT CONTROL DEPARTMENT OF INSPECTIONS, LICENSES & PERMITS 3430 COURTHOUSE DRIVE ELLICOTT CITY, MD 21043 PHONE: (410) 313-2455

<u> Planning and Zoning</u> HOWARD COUNTY PLANNING AND ZONING DEPARTMENT 3430 COURTHOUSE DRIVE ELUCOTT CITY, KD 21043 PHONE: (410) 313-2350

SOIL MENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE

APPLY 400 LBS. PER ACRE 30-0-0 AREAFORM FERTILIZER (9

STANDARD AND SPECIFICATIONS FOR TOPSOIL

DEFINITION

PLACEMENT OF TOPSON, OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION, PURPOSE PURPOSE

TO PROVIDE A SUITABLE SOIL NEDIUM FOR VEGETATION GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT. LOW NUTRIENT LEVELS, LOW PH. MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

CONDITIONS WHERE PRACTICE APPLIES

- 1. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
- A. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH. B. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS. C. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH. D. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LINESTONE IS NOT FEASIBLE.

2. FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

CONSTRUCTION AND MATERIAL SPECIFICATIONS

- 1. TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SPECIFIED. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED FOR A GIVEN SET FORTH IN THE REPRESENTATIVE SOIL PROFILE SECTION IN THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
- 2. TOPSOIL SPECIFICATIONS- SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
- A. TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A WIXTURE OF CONTRASTING TEXTURED SUBSOIL'S AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
- B. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERNUDA GRASS, JOHNSON GRASS, NUT SEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
- C. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LINE SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.
- 3. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES.

A. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL ANENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION SECTION I-VEGEATIVE STABILIZATION METHODS AND MATERIALS

- 4. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:
- A. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:
- A.1. PH FOR TOPSOIL SHALL BE. BETWEEN 6.0 THAN 7.5. IF THE TESTED SOIL DEMONSTRATES A PH OF LESS THAN 6.0, SUFFICIENT LINE SHALL BE PRESCRIBED TO RAISE THE PH TO 6.5 OR HIGHER.
- A.2. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.
- A.3. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.
- A.4. NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS NIN.) TO
- PERMIT DISSIPATION OF PHYTO-TOXIC WATERIALS NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL TOPSOIL
- B. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

5. TOPSOIL APPLICATION

- A. WHEN TOP SOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS. GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.
- B. GRADES ON THE AREAS TO BE TOP SOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4" - 8" HIGHER IN ELEVATION
- C. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4"-8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE RESULTING FROM SURFACE TOP SOLUNG OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER
- TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS. D. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

6. ALTERNATIVE FOR PERMANENT SEEDING - INSTEAD OF APPLYING THE FULL AMOUNTS OF LINE AND COMMERCIAL FERTILIZER. COMPOSTED SLUDGE AND AMENDMENTS CONNERCIAL BELOW:

- A. COMPOSTED SLUDGE MATERIAL FOR USE AS A SOIL CONDITIONER FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES SHALL BE TESTED TO PRESCRIBE AMENDMENTS AND FOR SITES HAVING DISTURBED
- AREAS UNDER 5 ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS: A.1. COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR PERSONS THAT ARE PERMITTED (AT THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT
- OF THE ENVIRONMENT UNDER COMAR 26.04.06, A.2. COMPOSIED SLUDGE SHALL CONTAIN AT LEAST 1 PERCENT NITROGEN, 1.5 PERCENT PHOSPHORUS, AND
 - 0.2 PERCENT POTASSIUM AND HAVE A PH OF 7.0 TO 8.0. IF COMPOST DOES NOT MEET THESE REQUIREMENTS, THE APPROPRIATE CONSTITUENTS MUST BE ADDED TO MEET THE REQUIREMENTS PRIOR TO USE.
 - A.3. COMPOSTED SLUDGE SHALL BE APPLIED AT, A RATE OF 1 TON/1,000 SQUARE FEET.
 - B. CONPOSTED SLUDGE SHALL BE AMENDED WITH A POTASSIUM FERTILIZER APPLIED AT THE RATE OF 4LB/1,000 SQUARE FEET, AND 1/3 THE NORMAL LINE APPLICATION RATE.

REFERENCES: GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SODDING. MD-VA, PUB. #1, COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MARYLAND AND VIRGINIA POLYTECHNIC INSTITUTE. REVISED 1973.

HOWARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

- 1. A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERIAITS. SEDIMENT CONTROL DIVISION, PRIOR TO THE START OF ANY CONSTRUCTION. (313-1855)
- 2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND REVISIONS THERETO.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: 1.) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, 13) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1. CHAPTER 7 OF "HOWARD COUNTY DESIGN MANUAL", STORI DRAINAGE.
- 5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR PERMANENT SEEDING, SOD, TENPORARY SEEDING, AND MULCHING (SEC. G) TEMPORARY STABILIZATION WITH MULCH ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO INT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSIS.
- 6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

7. SITE ANALYSIS:

PARCEL AREA - 58,880 S.F. OR 1.35 AC. AREA DISTURBED - 73,635 S.F. OR 1.69 J.C. TOTAL CUT - 9,870 YDS. TOTAL FILL - 190 YDS.

OFFSITE WASTE/BORROW LOCATION - ALL OFFSITE BORROW SHALL COME FROM A SITE WITH IN APPROVED GRADING PERMIT.

- 8. ANY SEDWENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DIEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10. ON ALL SITES WITH DISTURBED AREAS EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERINETER EROSION AND SEDIMENT CONTROLS. BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- 11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK FILLED AID STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

STANDARDS SEDIMENT CONTROL PLAN NOTES FOR UTILITIES

- EXCAVATED TRENCH MATERIALS SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.
- INNEDIATELY FOLLOWING PIPE INSTALLATION, THE TRENCH SHALL BE BACKFILLED, COMPACTED AND STABILIZED AT THE END OF EACH WORKING DAY
- FULL TRENCH COMPACTION IS REQUIRED.
- MULCHING TO HOWARD SCD SPECIFICATIONS OF ALL INSTURBED AREAS AND DAILY ON BACKFILL WILL BE REQUIRED.
- SUPER SILT FENCE OR STRAW BALE DIKES SHALL BE INSTALLED TEMPORARILY INNEDIATELY DOWNSTREAM OF ANY DISTURBED AREA NTENDED TO REMAIN DISTURBED LONGER THAN ONE (1) WORKING DAY.
- STAGING AREAS FOR EQUIPMENT AND SUPPLIES SHALL BE PROTECTED WITH SILT FENCE.
- ANY SEDIMENT CONTROL PRACTICES WHICH ARE DISTURBED DURING UTILITY CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE END OF EACH WORKING DAY.
- ANY DITCHES OR DRAINAGE WAYS DISTURBED DURING CONSTRUCTION WILL RESTORED TO ORIGINAL CONDITION

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PERMANENT SEEDING SUMMARY

	SEED M	IXTURE (HARDNESS (FROM TABLE 25		· · ·		FERTILIZER RATE (10-10-10)		LINE RATE
NO.	SPECIES	APPLICATION RATE (LBS./AC.)	SEEDING DATES	SEEDING DEPTHS	N	P205	K2O .	
1	85% TALL FESCUE 10% PER. RYEGRASS 5% KENT. BLUEGRASS	125 15 10	3/1-5/15 5/16-8/14 8/15-11/15					
2	83% TALL FESCUE 2% WEEPING LOVEGRASS 15% SERECIA LESPEDEZA	110 3 20	3/1-5/15 5/16-8/14 8/15-11/15		90 LBS./AC. (2.0 LBS./ 1,000 S.F.)	175 LBS./AC. (4.0 LBS./ 1,000 S.F.)	175 LBS./AC. (4.0 LBS./ 1,000 S.F.)	2 TONS/AC. (100 LBS./ 1,000 S.F.)
3	17% WEEPING LOVEGRASS 83% SERICIA LESPEPEDEZA		3/1-5/15 5/16-8/14					

ONLY ENOUGH TRENCH WILL BE EXCAVATED THAT CAN BE BACKFILLED DAILY

TEMPORARY SEEDING SUMMARY

SEED W	D.TURE (HARDNESS (FROM TABLE 26		<u>6b</u>)			ERTILIZER	RATE	LIKE RAT		
ŅĘS	APPLICATION IZATE (LBS./AC.)	SEEDIN	G DATES	SEEDING DEPTHS		(10-10-1	0)			
BARLEY	150	YEAR	ROUND	1"		600 L8S./	AC.	2 TONS/	.	
OVEGRASS	4	5/1	-8/14	1/4*=1/	′2 •	(15 LB.,		(100 L8.		
RYGRASS	50	8/15	-11/15	1/4"=1/	2	1,000 S.I		1,000 S.F		
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			<u> </u>		ADDR	ESS CHART			_	
	LOT/PAR	CEL 🖡				SI	REET A	DDRESS		تغمير معيدي
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			l	PERMIT	r info	ORMATION	CHAR	T		
	SUBDIVISION NAM COLUMBIA 10		RESEARCH) M/AREA SECTION				URCEL NO. 6, PARCEL P
	PLAT RECORDATI 19776	ON GRID	# Z	IONING B-1	TAX N	UAP NO. 30	ELECT	. DISTR 2nd	CENSU	S TRACT 6023.02
	WATER CODE	60	2		SEWEI	R CODE		5847400		
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GENERAL NOTES THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL REQUIRED

EASEMENTS, RIGHT AND/OR RIGHTS-OF-WAY PURSUANT TO THE DISCHARGE FROM THE SEDIMENT AND EROSION CONTROL PRACTICES. STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO, OR ACROSS AND GRADING OR OTHER WORK TO BE PERFORMED ON ADJACENT OR DOWNSTREAM PROPERTIES AFFECTED BY THIS PLAN.

FOLLOWING INITIAL SOIL DISTURBANCES OR REDISTURBANCE, PERMANENT OR TENPORARY STABILIZATION SHALL BE COMPLETED WITHIN:

- SEVEN (7) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) AND 8) 14 DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE, THE IN-PLACE SEDIMENT CONTROL MEASURES WILL BE MAINTAINED ON A CONTINUING BASIS UNTIL THE SITE IS PERMANENTLY STABILIZED AND ALL PERMIT REQUIREMENTS ARE MET.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF TWO (2) ACRES, APPROVAL OF THE INSPECTION AGENCY IS REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCES OR GRADING. OTHER GUIDING OR GRADING INSPECTION APPROVALS WILL NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- APPROVAL SHALL BE REQUESTED UPON FINAL STABILIZATION OF ALL SITES WITH DISTURBED AREAS IN EXCESS OF TWO (2) ACRES BEFORE REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES.

2// REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL BEQUTEMENTS USDA - NATURAL RESOURCES CONSERVATION SERVICE PWENT PLAN IS APPROVED. THE POWAE SOL POWERVATION OF THE

ENGINEER'S CERTIFICATE I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL A PRACTICAL AND WORKABLE PLAN BASED ON HAT PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED DI ACCORDANCE WITH THE REQUIREMENTS OF THE HOW NO SOL CONSERVATION DISTRICT."

1125128

SIGNATURE OF ENGINEER ADAM J. YOLANTH P.E.

DEVELOPER'S CERTIFICATE "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDUNENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SECUMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT." alliam Burkhouse 4

WHE WILLIAM Duekhousette. (Peovident Bank) THE PEODECT/Electercal Services Mare

M Cen V DATE 1 CSX 19/08 Revised per Arch Hecture LE NO.: BATE REVISION DESCRIPTION EVELOPER: OWNERS: EXECUTIVE PARK DRIVE ASSOC., LLC OVERTON & ASSOCIATES 909 BALTINORE BLVD. 216 SCHILLING CIRCLE SUITE 300 WESTMINSTER, ND 21157 HUNT VALLEY, ND 21031 PHONE: 410-386-1600 PHONE: 410-628-6000 PROJECT COLUMBIA 100 OFFICE RESEARCH PARK PARCEL P-2, OVERTON & ASSOCIATES/PROVIDENT BANK 4915 EXECUTIVE PARK DRIVE COLUMBIA, HOWARD COUNTY, MARYLAND AREA 1.6026 AC. TAX MAP 30 GRID 12 ZONED PARCEL 406, PARCEL P-2 L 4262, F. 620 2ND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND EROSION AND SEDIMENT CONTROL

PROFESSIONAL CERTIFICATION

, ADAM J. VOLANTH, HEREBY CERTIFY THAT THESE DOCUMENTS WERE

PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND

PPROVED: DEPARTMENT OF PLANNING AND ZONIN

PREPARED OR APPROVED BY WE, AND THAT I AM A DULY LICENSED

LICENSE NO. 21342, EXPIRATION DATE: 9/14/08

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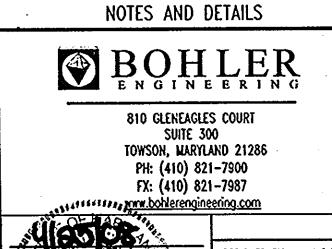
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CONSTRUCTION MUST BE DONE IN

or 1-800-257-7777 ROTECT YOURSELF, GAVE TWO WORKING DAYS NOTICE

THE C.A. P.A.



DESIGNED BY: A.G.S.

R.F.G,

4/17/08

N.T.S.

DRAWN BY:

PROJECT NO.: ND062057 ONAL E SCALE: ADAM' 3. YOLANTH PROFESSIONAL ENGINEER NO. 21342 DRAWING NO. 13 OF 22

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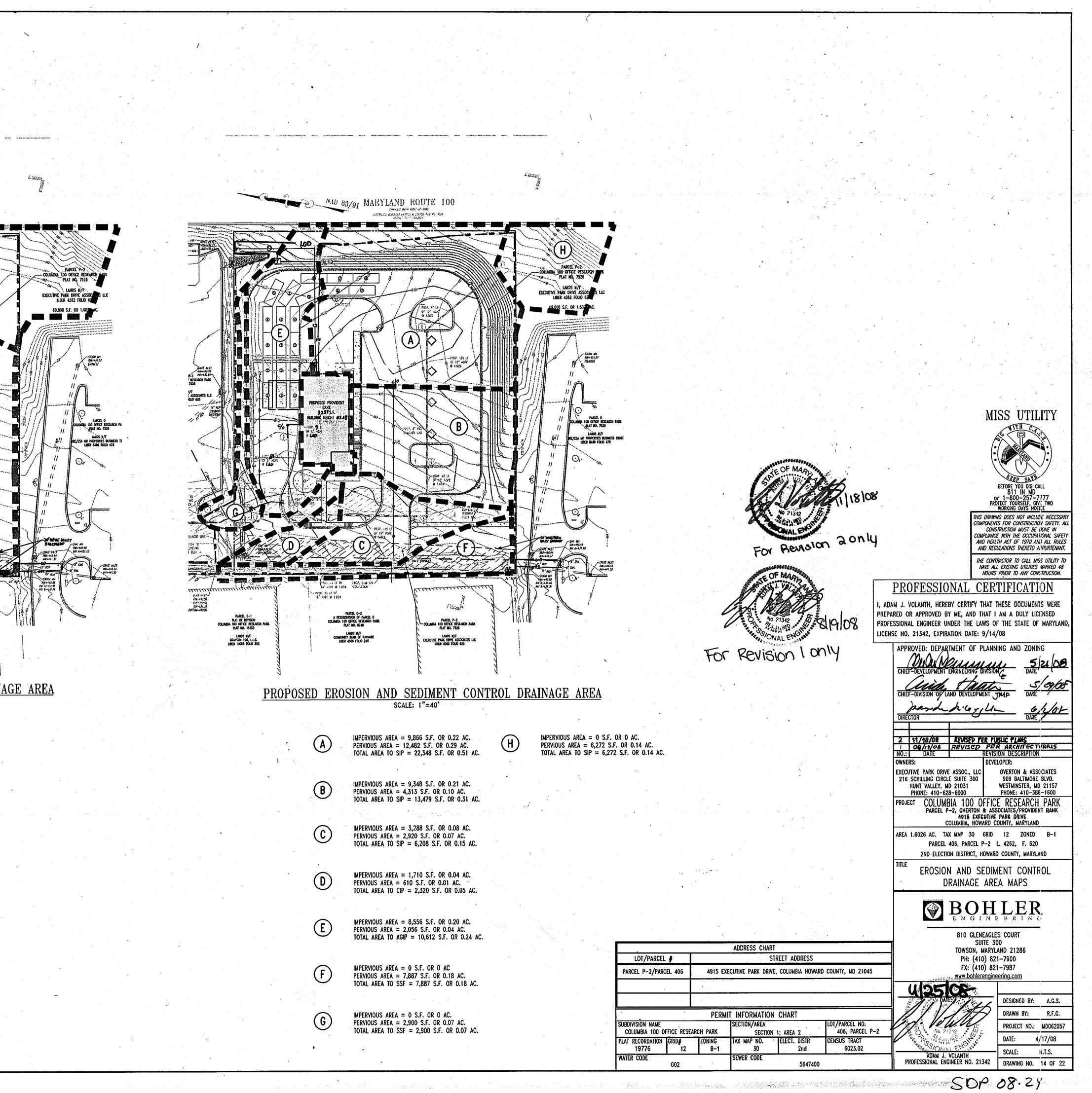
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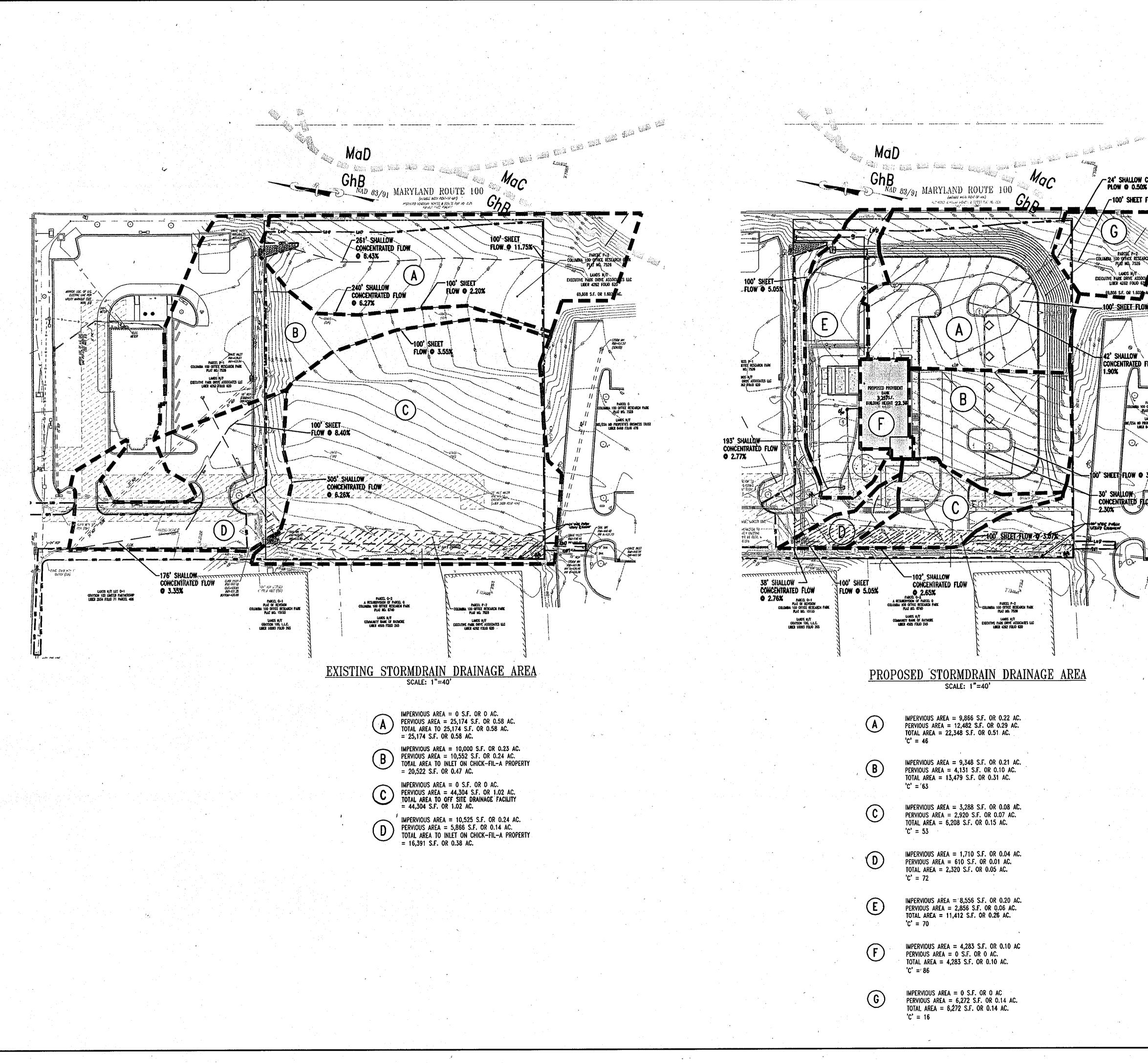
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EXISTING EROSION AND SEDIMENT CONTROL DRAINAGE AREA SCALE: 1"=40'

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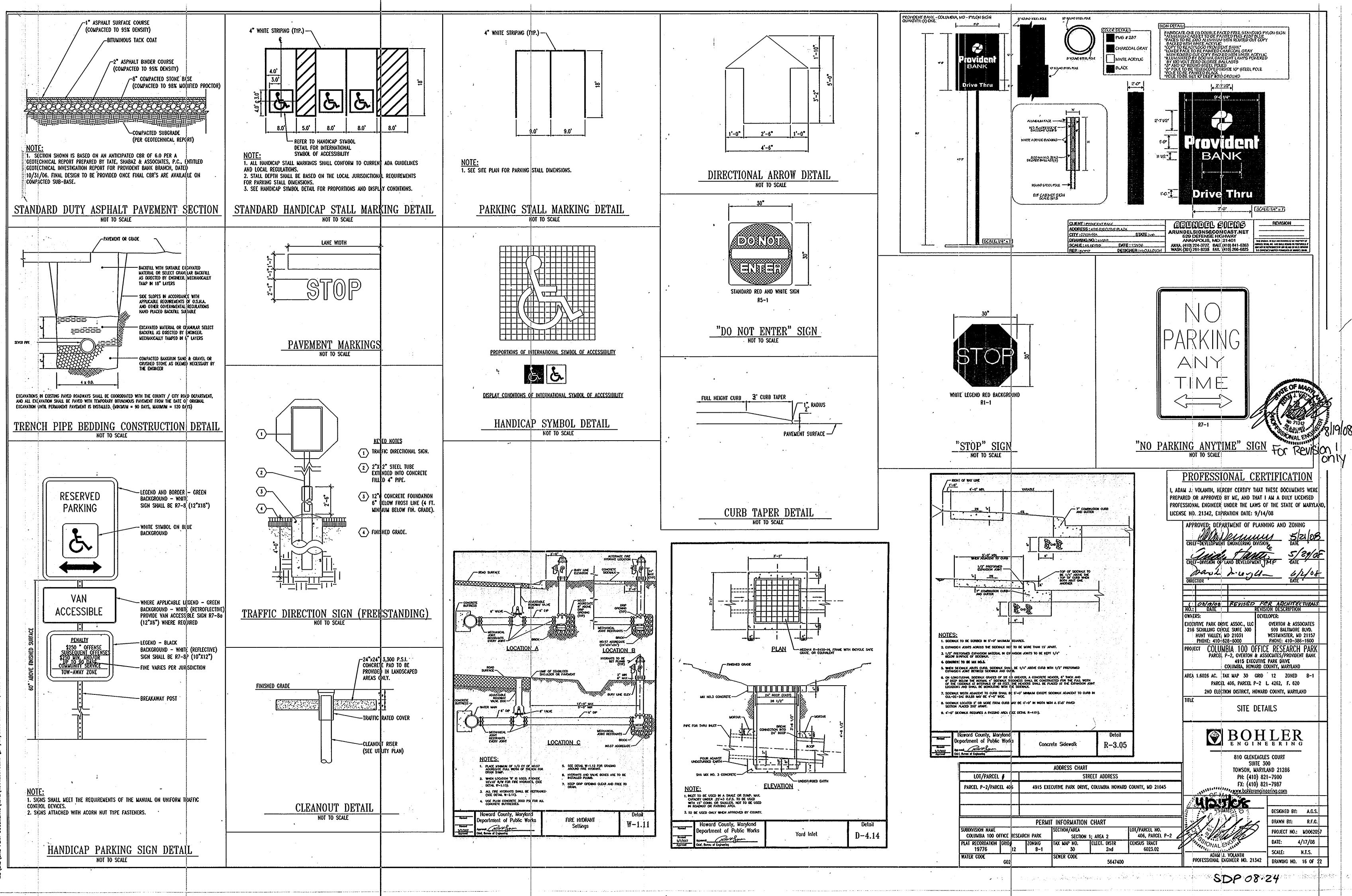
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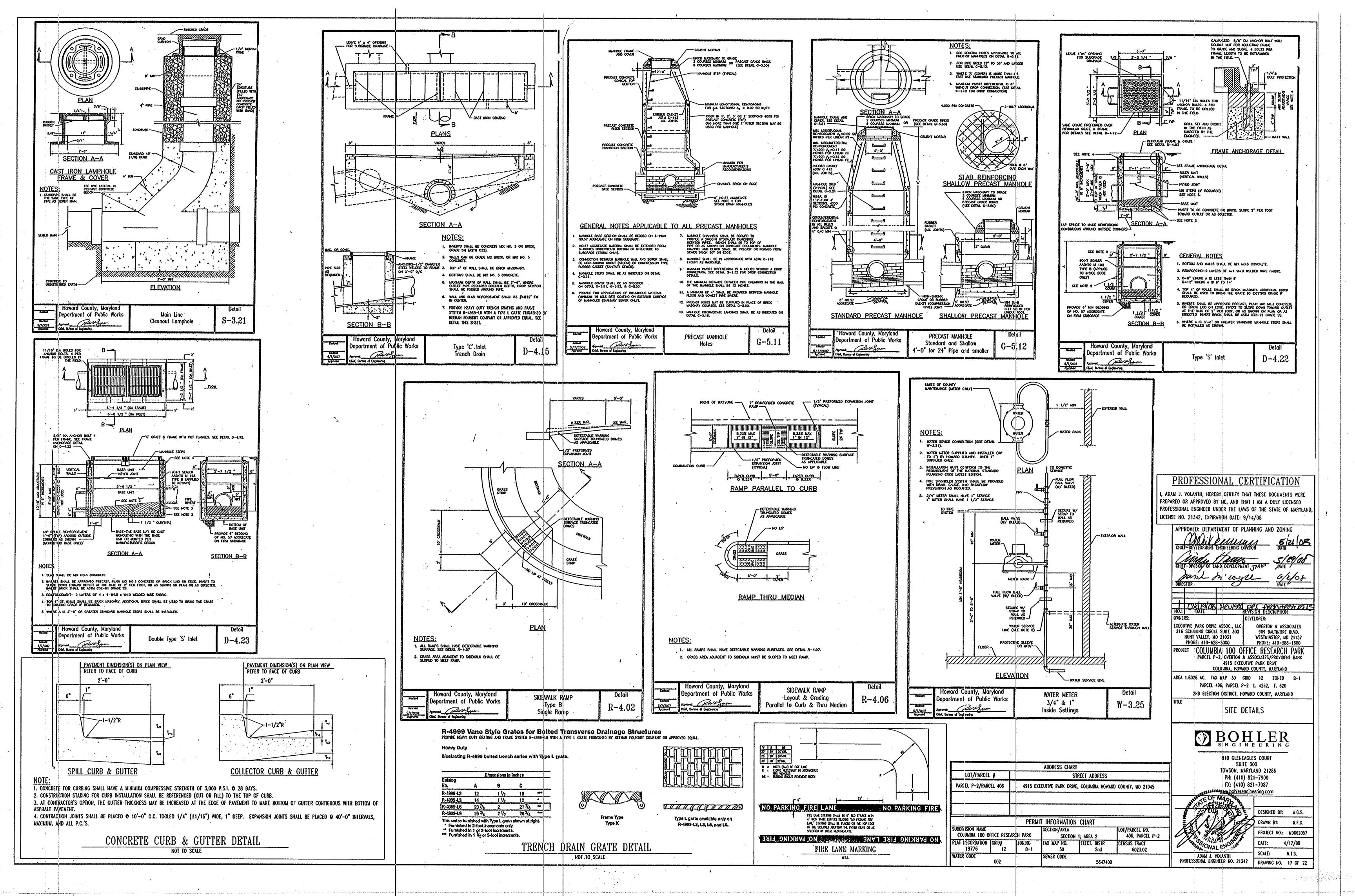


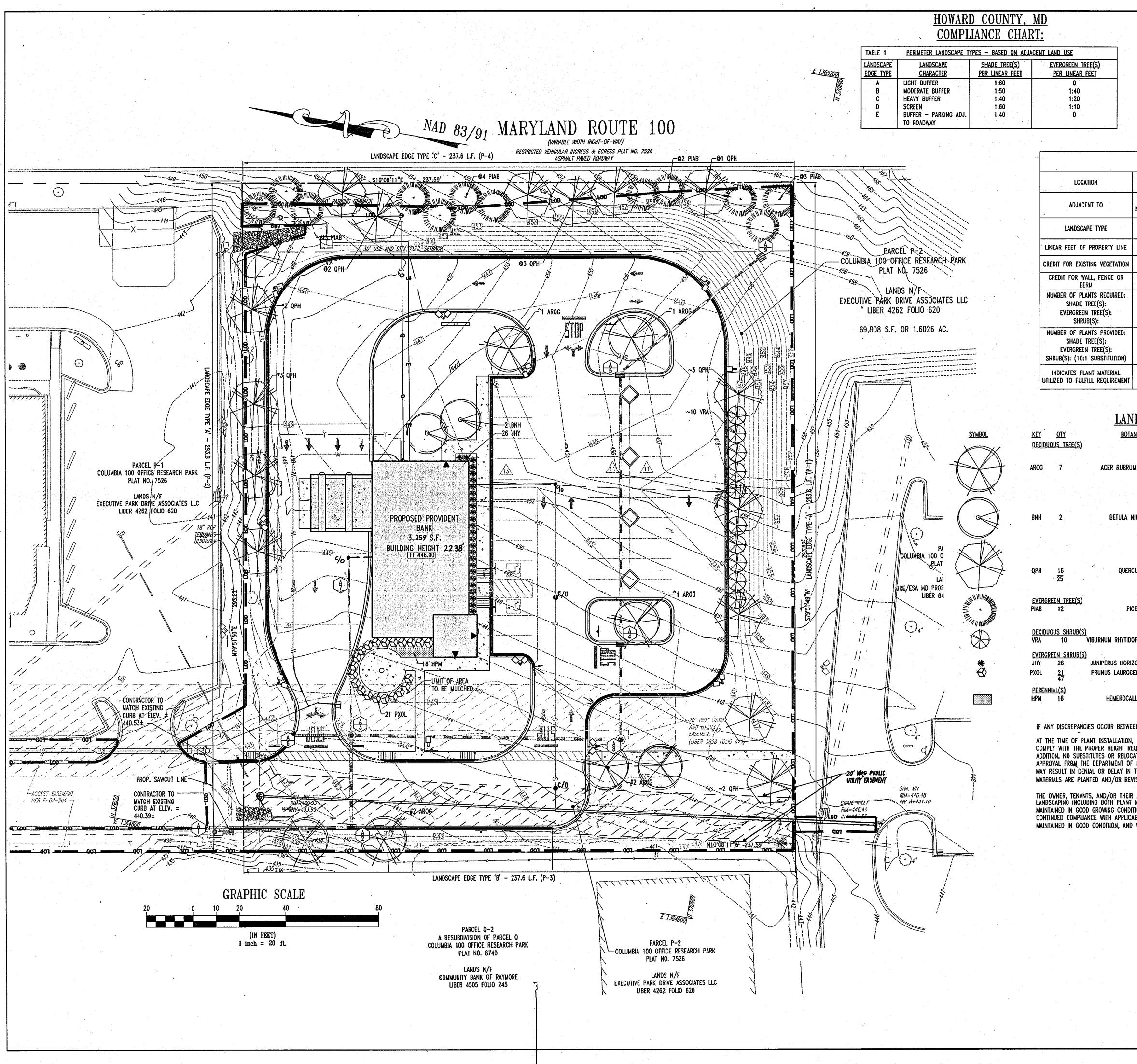
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	•	l		21342	8/19/08	PREPARED OR	APPROVED BY ME,	AND THAT I AM		
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						CHIEF-D	IVISION OF EAND DEV	ELOPMENT JMF	DATE / 00	- -
						DIRECTO	R	0	BATE	
			•				1/18/08 REVISE	ED PER ARC	HITECTURALS	
			• • •			NO.: OWNERS: EXECUTIV	DATE	DEVELOPE	RTON & ASSOCIATES	
				· ·		216 SC HU	HILLING CIRCLE SUITE T VALLEY, ND 21031 ONE: 410-628-6000	300 90 WES	9 BALTIMORE BLVD. IMINSTER, MD 21157 NE: 410-386-1600	
			. •	en e		PROJECT	COLUMBIA 10)O OFFICE R	ESEARCH PARK res/provident bank c drive	
		· · · ·		.	•	ARFA 1.6	491 Columbia 026 AC. TAX MAP	, HOWARD COUNT	Y, MARYLAND	-
								RCEL P-2 L. 42	62, F. 620	
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			ADDRESS CHAR		et e		TOWS	SUITE 300 Son, Maryland	21286	
LOT/PARCI PARCEL P-2/PA		4915 E)		TREET ADDRESS 16, columbia howari	D COUNTY, MD 210	45	FX	: (410) 821–79 : (410) 821–79 bohlerengineering	87	
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		PERM	IT INFORMATIO	N CHART		29 29 29 29 29 29 29 29 29 29 29 29 29 2	DATE: 1	r. —	SIGNED BY: A.G.S AWN BY: R.F.G	
SUBDIVISION NAME COLUMBIA 100	OFFICE RESEA	ARCH PARK	SECTION/AREA SECTION	N 1; AREA 2	LOT/PARCEL NO. 406, PARCEL	Р-2			OJECT NO.: MD0620 NTE: 4/17/08	
PLAT RECORDATION 19776	N GRID# 12	ZONING B-1	TAX MAP NO. 30 SEWER CODE	ELECT. DISTR 2nd	CENSUS TRACT 6023.02		ADAN J. VOLANT	H SC	ALE: 4/1//08	
WATER CODE	G02			5647400			ESSIONAL ENGINEER I		AWING NO. 15 OF	00



&\Overton & Associates\MDO6 2057 - Provident Bank, Rt. 100 & Executive Park Dr, C 2.40\SITE PLAN_DOCUMENTS\REV2\MDO62057SS2.dwg. 4/25/2008 9:11:23 AM. trockwell





& Ex 8:51 100 2008 R.

TABLE 1	PERIMETER LANDSCAPE T	<u>YPES – BASED ON ADJA</u>	<u>CENT_LAND_USE</u>	
ANDSCAPE DGE TYPE	LANDSCAPE Character	<u>SHADE_TREE(S)</u> <u>PER_LINEAR_FEET</u>	EVERGREEN TREE(S) PER LINEAR FEET	
A B C D E	LIGHT BUFFER MODERATE BUFFER HEAVY BUFFER SCREEN BUFFER - PARKING ADJ. TO ROADWAY	1:60 1:50 1:40 1:60 1:40	0 1:40 1:20 1:10 0	

NUMBER OF PARKING SPACES: NUMBER OF TREES REQUIRED:	1/20 SPACES	49 SPACES 3 SHADE TREE
NUMBER OF TREES PROVIDED:	· · · · · · · · · · · · · · · · · · ·	
SHADE TREE(S):		3 SHADE TREE

SCHEDIU	E A: PERIMETER LAN	INSCAPE ENCE	
SOITEDUL	NORTH PROPERTY LINE (P-2)	WEST PROPERTY LINE (P-3)	EAST PROPERTY LINE (P-4)
PERIMETER PROPERTIES NON-RESIDENTIAL TO NON-RESIDENTIAL	PERIMETER PROPERTIES NON-RESIDENTIAL TO NON-RESIDENTIAL	PERIMETER PROPERTIES NON-RESIDENTIAL TO NON-RESIDENTIAL	ROADWAYS NON-RESIDENTIAL TO MARYLAND RT. 100
TYPE A	түре а	ΤΥΡΕ Α	TYPE C
293.8 L.F.	293.8 L.F.	237.6 L.F.	237.6 L.F.
NO	NO	NO	NO
NO	NO	NO	NO
5 SHADE TREE(S) O EVERGREEN TREE(S) O SHRUB(S)	5 SHADE TREE(S) O EVERGREEN TREE(S) O SHRUB(S)	4 SHADE TREE(S) O EVERGREEN TREE(S) O SHRUB(S)	6 SHADE TREE(S) 12 EVERGREEN TREE(S) 0 SHRUB(S)
5 SHADE TREE(S) O EVERGREEN TREE(S) 10 SHRUB(S)	5 SHADE TREE(S) 0 EVERGREEN TREE(S) 0 SHRUB(S)	4 SHADE TREE(S) O EVERGREEN TREE(S) O SHRUB(S)	6 SHADE TREE(S) 12 EVERGREEN TREE(S) ,0 SHRUB(S)
₽ ~ 1	**************************************	₩ <u>H</u> 32 ₩	"@ "

MISS UTILITY LANDSCAPE SCHEDULE BOTANICAL NAME 2 1/2-3" CAL. ACER RUBRUM 'OCTOBER GLOR B+B OCTOBER GLORY RED MAPLE THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL BETULA NIGRA 'HERITAGE 2 1/2-3" CAL. B+B HERITAGE RIVER BIRCH Construction must be done in COMPLIANCE MITH THE OCCUPATIONAL SAFET AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERETO APPURTENANT. THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION. QUERCUS PHELLOS WILLOW OAK 2 1/2-3" CAL. B+B PROFESSIONAL CERTIFICATION I, ADAM J. VOLANTH, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED 6-7 PICEA ABIES NORWAY SPRUCE 8+B PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21342, EXPIRATION DATE: 9/14/08 APPROVED: DEPARTMENT OF PLANNING AND ZONING VIBURNUM RHYTIDOPHYLLOIDES 'ALLEGHANY ALLEGHANY VIBURNUM B+B 5/21/08 AK DIMANNA ENGINEERING DIVISION JUNIPERUS HORIZONTALIS 'YOUNGSTOWN' 18-24" SPRD #3 CAN ANDORRA JUNIPER 24-30" CONTAINER PRUNUS LAUROCERASUS 'OTTO LUYKEN' OTTO LUYKEN CHERRY LAUREL DEVELOPMENT, TMP 6/4/01 DATE r'cer, l. 1 GAL. CONTAINER HEMEROCALLIS 'PARDON ME' PARDON ME DAYLILY 2 11/18/08 REVISED PER PUBLIC PLANS 1 08/19/08 REVISED PER ARCHITECTURALS IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. REVISION DESCRIPTION NO.: DATE AT THE TIME OF PLANT INSTALLATION, ALL SHRUBS AND TREES LISTED AND APPROVED ON THE LANDSCAPE PLAN, SHALL OWNERS: DEVELOPER: COMPLY WITH THE PROPER HEIGHT REQUIREMENT IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN EXECUTIVE PARK DRIVE ASSOC., LLC 216 SCHILLING CIRCLE SUITE 300 OVERTON & ASSOCIATES ADDITION, NO SUBSTITUTES OR RELOCATIONS OF THE REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND 909 BALTIMORE BLVD. APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THE APPROVED LANDSCAPE PLAN HUNT VALLEY, MD 21031 WESTMINSTER, MD 21157 MAY RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED PHONE: 410-628-6000 PHONE: 410-386-1600 MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO THE APPLICABLE PLANS. PROJECT COLUMBIA 100 OFFICE RESEARCH PARK PARCEL P-2, OVERTON & ASSOCIATES/PROVIDENT BANK THE OWNER, TENANTS, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING INCLUDING BOTH PLANT MATERIALS AND BERMS, FENCES, AND WALLS. ALL PLANT MATERIALS SHALL BE 4915 EXECUTIVE PARK DRIVE COLUMBIA, HOWARD COUNTY, MARYLAND MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE REA 1.6026 AC. TAX MAP 30 GRID 12 ZONED B-1 CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED. PARCEL 406, PARCEL P-2 L. 4262, F. 620 2ND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND LANDSCAPE PLAN 111808 BOHLER ENGINEERING For Revision 2 only 810 GLENEAGLES COURT SUITE 300 ADDRESS CHART TOWSON, MARYLAND 21286 LOT/PARCEL # STREET ADDRESS PH: (410) 821-7900 FX: (410) 821-7987 4915 EXECUTIVE PARK DRIVE, COLUMBIA HOWARD COUNTY, MD 21045 PARCEL P-2/PARCEL 406 www.bohlerengineering.com 4125 08 DESIGNED BY: A.G.S. DRAWN BY: R.F.G. PERMIT INFORMATION CHART SUBDIVISION NAME OT/PARCEL NO. [ION/ARE/ PROJECT NO .: MD062057 COLUMBIA 100 OFFICE RESEARCH PARK 406, PARCEL P-2 SECTION 1; AREA 2 DATE: 4/17/08 CENSUS TRACT PLAT RECORDATION ONING TAX MAP NO. ELECT. DISTR

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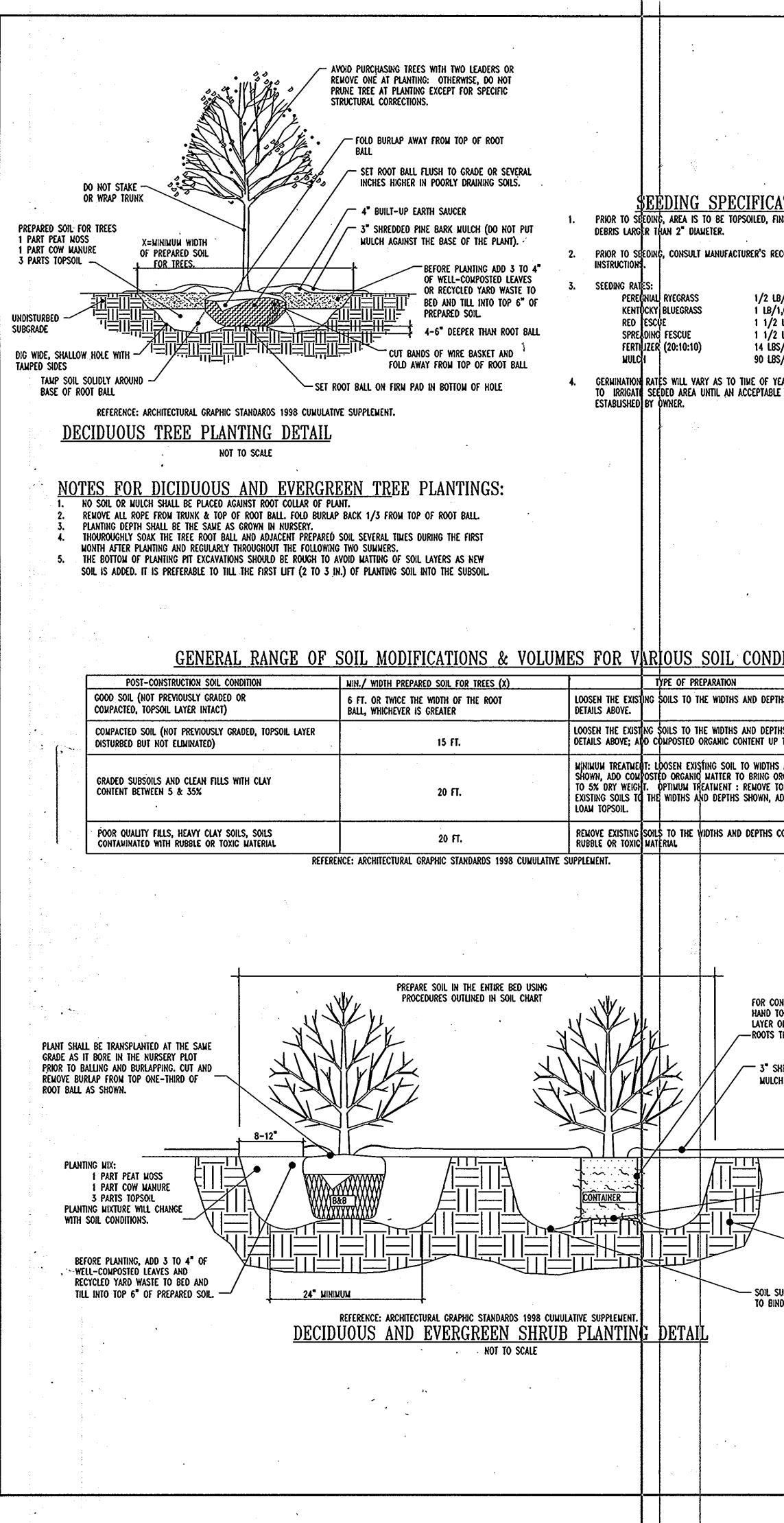
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SCALE:

ADAM J. VOLANTH SUALE: 1 -20 PROFESSIONAL ENGINEER NO. 21342 DRAWING NO. 18 OF 22

SDP 08 .24

1"=20'



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R.F.

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	1.	PLANT MATERIAL SHALL BE FURNISHED AND INSTA	LLED AS INDICATED; INCLUDING	PLANTI
	2.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR PL ALIGNMENT. LAYOUT TO BE APPROVED BY OWNER	ANTING AT CORRECT GRADES AND	1. SCOPE OF WORK A. THIS WORK SHALL CONSIST OF PERFORMING, CLEARING AND S PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INC
• . •	3.	PLANTS SHALL BE TYPICAL OF THEIR SPECIES AN GROWTH HABITS; WELL DEVELOPED BRANCHES, DE	NSELY FOLIATED, VIGOROUS ROOT	I ABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPO NECESSARY FOR THE COMPLETION OF THIS PROJECT. 2. WATERIALS
	4.	CONTRACTOR SHALL REPORT ANY SOIL OR DRAINA	ge conditions considered	A. GENERAL – ALL MATERIALS SHALL MEET OR EXCEED SPECIFIC OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION (D OF ROADWAY AND BRIDGE CONSTRUCTION (LATEST EDITION) O
·	5.	ALL PLANT MATERIAL SHALL BE GUARANTEED BY VIGOROUS GROWING CONDITION. PROVISION SHALL GUARANTEE OF AT LEAST <u>ONE YEAR</u> FROM THE D AND SHRUBS. REPLACEMENTS SHALL BE MADE A SUCCEEDING PLANTING SEASON. ALL REPLACEMENT	THE CONTRACTOR TO BE IN L BE MADE FOR A GROWTH . ATE OF ACCEPTANCE FOR TREES F THE BEGINNING OF THE FIRST	 EQUAL. B. PLANTS - ALL PLANTS SHALL BE HEALTHY OR NORMAL GROW ROOTED, FREE FROM DISEASE AND INSECTS. C. TOPSOIL - LOAMY SILT, HAVING AN ORGANIC CONTENT NOT I pH RANGE BETWEEN 4.5 - 7, BE FREE OF DEBRIS, ROCKS L IWO INCHES (2"), WOOD, ROOTS, VEGETABLE MATTER AND CL IAULCH - DOUBLE SHREDJED HARDWOOD BARK MULCH.
	δ.	INSOFAR AS IT IS PRACTICABLE, PLANT MATERIAL OF DELIVERY. IN THE EVENT THIS IS NOT POSSI PROTECT STOCK NOT PLANTED. PLANTS SHALL N	BLE, THE CONTRACTOR SHALL OT REMAIN UNPLANTED FOR	 FERTILIZER AND SOIL CONDITIONER - PLANTED AREAS A. ORGANIC FERTILIZER - SHALL BE PROCESSED SEWER SLUDGE CONTENT OF 1% NITROGEN AND 2% PHOSPHORIC ACID, EQUAL 'NITROHUMIS'. B. ORGANIC FERTILIZER AND SOIL CONDITIONER - SHALL BE 'GR
	7.	QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS IN ACCORDANCE WITH ANSI Z60.1 (REV. 2001) "A NURSERY STOCK" AS PUBLISHED BY THE AMERICA	S, AND SIZE OF BALLS SHALL BE WERICAN STANDARD FOR	AND ORGANIC BASE MATERIALS COMPRISED OF DECOMPOSED A VEGETABLE MATTER AND COMPOSTED TO SUPPORT BACTERIAL CONTAINING NO POULTRY OR HUMAN WASTE. GUARANTEED A (5-3-1): NITROGEN 5%. PHOSPHATE 3%, POTASH 1%. 50 15% HUMIC ACIDS.
· .	8.	ALL PLANTS SHALL BE PLANTED IN AMENDED TOF WATERED AND TAMPED AS BACK FILLING PROGRES SHOWN ON PLANTING DETAILS. LARGE PLANTING A	SES. PLANTING WIX TO BE AS REAS TO INCORPORATE	4. GENERAL WORK PROCEDURES A. LANDSCAPE WORK SHALL COMMENCE AS SOON AS THOSE PO SITE ARE AVAILABLE. CONTRACTOR TO UTILIZE WORKMANLIKE PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO A CLEAN STATE AT THE I'ND OF EACH DAYS WORK. ALL DE
	9.			HATERIALS, AND TOOLS SHALL BE PROPERLY STOCKPILED OR ALL PAVED SURFACES SHALL BE SWEPT CLEAN AT THE END WORK.
	10.	PLANTING OPERATIONS SHALL BE PERFORMED DUR PLANTING SEASON WHEN WEATHER AND SOIL CON ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CO SHALL BE SPRAYED WITH 'WILT-PRUF' OR EQUAL	DITIONS ARE SUITABLE AND IN PLANTS SHALL NOT BE INSTALLED RDITION. ALL PLANT MATERIAL	 5. WEEDING A. BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRAD WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AN OF AT THE CONTRACTOR'S EXPENSE. 6. TOPSOILING
	11.		LANTED LESS THAN TWO FEET	A. CONTRACTOR TO PROVIDE FOUR INCHES (4") MINIMUM THICK LAYER IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD PREPARED SURFACE IN A UNIFORM LAYER TO PRODUCE A FOR
•.	12.	OR NATURAL RELATIONSHIP TO THE CROWN OF TH	E PLANT WITH THE GROUND	COMPACTED THICKNESS. TOPSOIL PRESENT AT THE SITE, IF A USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED. CONTRACTOR AN ANALYSIS OF ON-SITE TOPSOIL UTILIZED IN ALL PLANTING ADJUST PH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE
-	13.	ALL INJURED ROOTS SHALL BE PRUNED TO WAKE UTILIZING CLEAN, SHARP TOOLS. IT IS ADVISABLE OF THE GROWTH OF LARGE TREES (2" CALIPER A SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, ETC. MAIN LEADER OF TREES WILL NOT BE CUT	CLEAN ENDS BEFORE PLANTING TO PRUNE APPROXIMATELY 1/3 ND OVER) BY THE REMOVAL OF HOSE WHICH RUN PARALLEL,	 ACCEPTABLE GROWING MEDIUM. SOIL CONDITIONING A. CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". A EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISF (THE CONTRACTOR'S EXPENSE. SPREAD EVENLY IN ALL PLANT AND TILL (2 DIRECTIONS) INTO TOP
	14.	EACH TREE AND SHRUB SHALL BE PRUNED IN AC HORTICULTURAL PRACTICE TO PRESERVE NATURAL	CHARACTER OF PLANT. PRUNING	4" WITH THE FOLLOWING PER 1,000 SQ. FT.: 20 POUNDS 'GRO-POWER' 100 POUNDS AGRICULTURAL GYPSUM
		SHALL BE PRUNED TO REMOVE ANY DAWAGED BR CONSTRUCTION OPERATIONS. ALL EXISTING TREES SHALL BE FERTILIZED WITH / (5-10-5) UPON COMPLETION OF WORK. THE ENT BRANCH SHALL BE CUT OFF AT THE TRUNK. CON ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHARP TOOLS AND FILLED AROUND WITH TOPSOIL AREAS WITH WATER. ROOTS SHALL NOT BE LEFT (1) DAY. CONTRACTOR IS TO PROTECT ALL EXISTI ERECTING TREE PROTECTION FENCE AT THE DRIP COMPACTION OF THE ROOT WASS.	NCHES AS A RESULT OF REGULAR GARDEN FERTILIZER RE LINB OF ANY DAMAGED RACTOR TO ENSURE THAT CUTS S SHALL BE CUT BACK WITH COMPLETELY SATURATE THESE EXPOSED FOR MORE THAN ONE NG TREES TO REMAIN BY LINE. THIS WILL ENSURE NO	20 POUNDS NITROFORM (COURSE) 38-0-0 BLUE CHIP SOIL MODIFICATIONS: THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6 TO 12 I PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN NUTRIENTS. USE COMPOSIED BARK, RECYCLED YARD WASTE MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK OF IREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTUM MATERIAL WITH A PH HIGHER THAN 7.5. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SIL COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR GF COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING CONTENT TO NORE THAN 60% OF THE TOTAL MIX. IMPROVE F
		HARDWOOD BARK MULCH.	•,	HEAVY SOILS BY PLANTING ON RAISED NOUNDS OR BEDS AND SUBSURFACE DRAINAGE LINES. MODIFY EXTREMELY SANDY SOILS (NORE THAN 85% SAND) BY
F THE OUTER ULL APART ANY	•	ESTABLISH THE PROPOSED PLANTS AND LAWN. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF LANDSCAPE AS SHOWN ON THE APPROVED LANDS INSPECTED AND APPROVED BY THE <u>HOWARD COUNT HOWARD COUNTY</u> ENGINEER AND LANDSCAPE ARC ACCOUNT SEASONAL CONSIDERATIONS IN THIS REE PLANTING OF TREES, SHRUBS, VINES OR GROUND ASSOCIATED WITH A SUBDIVISION OR SITE PLAN	OCCUPANCY, THE PROPOSED CAPE PLAN NUST BE INSTALLED, ITY LANDSCAPE ARCHITECT. THE HTECT SHALL TAKE INTO GARD AS FOLLOWS. THE COVER AS REQUIRED BY OR PPROVAL BY THE PLANNING	 MODIFT EXTREMENT SANDT SOLLS (MORE THAN 05% SAND) BI ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO TOTAL MIX. PLANTING POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT I EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED. A. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH T TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACK FILL
		TYPE PLANTS LAWN	DATES 3/15 TO 12/15 3/15 TO 6/15 9/15 TO 12/1	FOLLOWING PREPARED SOL MIXED THOROUGHLY: 1 PART PEAT MOSS 1 PART COW MANURE BY VOLUME 3 PARTS TOPSOIL BY VOLUME 21 GRAM 'AGRIFORN' PLANTING TABLETS AS FOLLOWS:
Í				2 TABLETS PER 1 GAL. PLANT 3 TABLETS PER 5 GAL. PLANT 4 TABLETS PER 15 GAL. PLANT LARGER PLANTS (2) TWO TABLETS PER 1/2" [
•	·	BETULA VARIETIESPRUNUS VARICARPINUS VARIETIESPYRUS VARIETCRATEGUS VARIETIESQUERCUS VARKOELREUTERIASALIX WEEPINLIQUID AMBER STYRACIFLUATILLA TOMENT	ETIES TIES RETIES G VARIETIES DSA	OF TRUNK CALIPER
•		ANY PLANTINGS INSTALLED IN CONFLICT WITH THE THE WRITTEN APPROVAL OF THE HOWARD COUNT ARCHITECT, PRIOR TO PLANTING. FAILURE TO, CO WILL REQUIRE THE REMOVAL OF THE PLANTING IN DOES NOT APPLY TO SEEDING OR SODDING OR P STABILIZATION PURPOSES. THE PLANTING ASSOC	ENGINEER OR LANDSCAPE MPLY WITH THESE REQUIREMENTS QUESTION. THIS REQUIREMENT ANTINGS SPECIFICALLY FOR SOIL ATED WITH ANY LOT GIVEN A	
,	19.	ALL DISTURBED AREAS TO BE TREATED WITH 4" ACCORDANCE WITH PERMANENT STABILIZATION ME		
	20.	THE CONTRACTOR IS TO PROVIDE AN IRRIGATION AREAS. DESIGN IS TO BE SUBNITTED TO THE PR FOR REVIEW AND APPROVAL. THE CONTRACTOR (OJECT LANDSCAPE ARCHITECT S TO VERIFY STATIC PRESSURE SPONSIBLE FOR ANY PRESSURE	
	KGER OR SMALL F THE OJTER ULL APART ANY THE CONTAINER. KOT PUT NT).	3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. KGER OH SMALL F THE OJTER ULL APART ANY THE CONTAINER. 15. 16. 17. 18. 19.	 PLANT WATERIAL SHULL BE FURNERED AND INST ALL LEASE, MATERIALS, PLANTS, EQUIPACIAL, INC. THE CONTRACTOR SULL BE EXPONSIBLE COX MISSIALIDAR. PLANTS SHULL BE TYPICAL OF THEIR SCHOLES AN GROWTH INSTS, TRULL DEVELOPED BEARDERS, DE STREMA AND BE FRAE FRAM WISCID, DO REAM DETENDENTS. TO BE FRAE FRAM WISCID. DO REAM DETENDENTS. TO THE CROWTH OF PLANT MATERIAL CONTRACTOR SHALL BEFORT ANY SOL DO REAM DETENDENTS. TO THE CROWTH OF PLANT MATERIAL CONTRACTOR SHALL BEFORT ANY SOL DO REAM DETENDENTS. THE PLANT MATERIAL CONTRACTOR SHALL BEFORT ANY SOL DO REAM DETENDENT. IN THE CASH THAT MATERIAL CONTRACTOR SHALL BEFORT ANY SOL DO REAM DETENDENT. IN THE CASH THAT MATERIAL CONTRACTOR SHALL BEFORT ANY SOL DO REAM DETENDENT. IN THE CASH THAT MATERIAL CONTRACTOR SHALL BEFORT ANY SOL DO REAM DETENDENT. IN SPACIAL AND FORM PLANT AND SPEC OF FAUTS. SPEED OF ROOT IN ACCORDANCE WITH ANSI ZOAL (REFL 2001) * IN STALED DORING THIS FRAMOWILL BE RELETED TO DELARCY. IN THE EVANT THIS IS NOT POSSI PROTOR STOCK 'AS PUBLISHED DT IN ALEMADED TO WATERD AND TANED AS BACK THURD PROCESS SHOWN ON THE PLANT SHALL BE FUNNIED IN ALEMADED TO WATERD AND TANED AS BACK THURD PROCESS SHOWN ON THE REAM CONTROL MARKERS. THUS DATACE THE CRAW OF REAM STALES OF PLANT BOTTOM OF THE BALL DOLL. PLANTING CONTROL SHALL BE FUNDING DI MALE STALE DATACE WITH ACCEPTION AND SHALL BE FUNDING DI MALE PLANTING STANDARD AND SHALL BE FUNDING DI MALE MATERD AND TANED AND SHALL BE FUNDING DI MALE PLANTING STANDARD AND SHALL BE ADDITION DATACE THE ADDITION OF WARE. THE ADDITION SHALE TO CARACTERS AND ADDITION TO MARK THE PLANTING STANDARD AND SHALL BE ADDITION OF WARE. THE DATACE SHALL PLANTING STALE AND AND SHALL BE ADDITION SHALE TO CARACTERS AND ADDITION AND ADDITION AND SHALE TO ADDITION OF WARE. THE ADDITION AND ACCEMPANT AND STALE AND ADDITION AND ADDITION	ALLENGEN, LUNCH TO ES APPROVED BY OWNERS REPRESENTANCE PROBE TO STRUELARM. A. PLANTS SHALL BE TYPE-LL OF THERE STRUES AND WAITTY, HAVE MORAL STRUELARM AND BE EREE FROM ENTERS AND RAUGES. CONTINUES AND BE FREE FROM ENTERS AND RAUGES. ALLENGT CONTINUES AND REPORTANT STALE CONTINUES CONSIDERED ALLENGT CONTINUES AND REPORTANT STALE CONTINUES CONSIDERED STRUES AND REFERE FROM ENTERS AND RAUGES. ALLENGT CONTINUES CONSIDERED STRUES AND REFERE FROM ENTERS AND RAUGES. ALLENGT CONTINUES CONTINUES AND REPORTS STRUES AND REFERE FROM ENTERS AND RAUGES. NUESCAR STATE AREA CONTINUES. STRUES AND REFERE FROM ENTERS AND RAUGES. NUESCAR STATE AREA CONTINUES AND REPORTS STRUES AND REFERE FROM ENTERS AND RAUGES. NUESCAR STATE AREA CONTINUES AND REPORTS STRUES AND REFERE AND AND REPORTS STRUES AND REFERE AND AND REPORTS STRUES AND REFERE A

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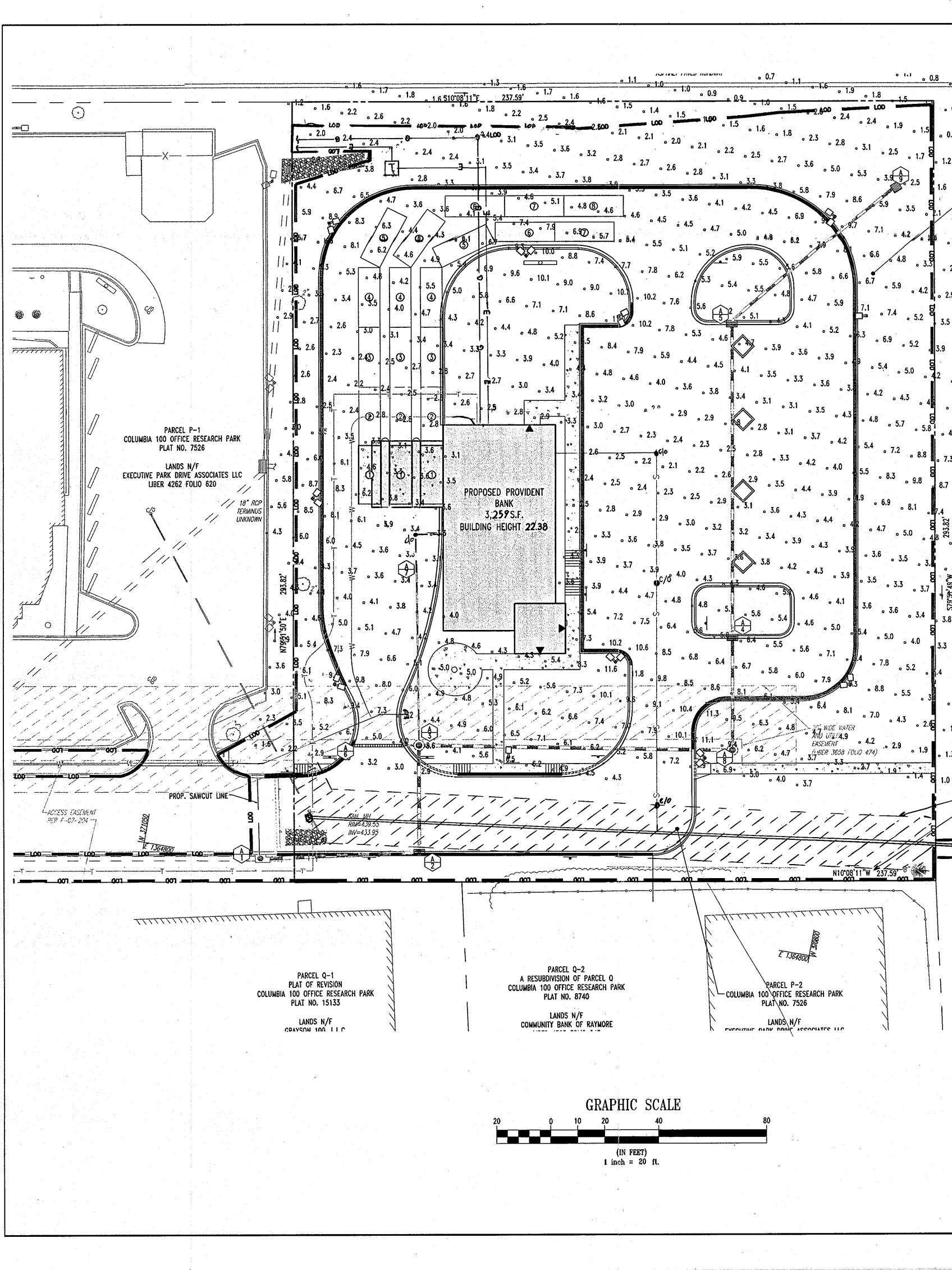
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D SOIL NCLUDING ALL		B. 1	PREPARED SOIL SHA REPARED SOIL ARO	LL BE TAMPED FIRMLY AT BOTTON UND BALL OF PLANT 1/2 WAY, A E BACK FILL AND WATER THOROUG	ND INSERT PLANT			•			
PURTENANCE		C. /	VLL PLANTS SHALL I	BE SET SO THAT, THEY BEAR THE E AS THEY BORE TO THE NATURA	SAME RELATION TO						
CIFICATIONS A	S	E	EING TRANSPLANTED	D.			· ·				
(D.O.T.) MAN		D. I	PREPARE RAISED EAD	RTH BASIN AS WIDE AS PLANTING	HOLE OF EACH TREE	Ξ.		•			
owth, well		ו ו	REE AND SHRUB IN	AFTER PLANTING. WATER SHALL I SUCH MANNER AS NOT TO DISTU T ALL MATERIALS IN THE PLANTIN	JRB BACK FILL AND	1					
T LESS THAN LARGER THA CLAY CLODS.	N	F. 1		ED TREES DIRECTLY ADJACENT TO	WALKWAYS TO A NIN	ł.					
ge with Mihii Ual to	9. Inal	F	ALL GROUND COVER	AREAS SHALL RECEIVE A 1/4" L P 1" OF PREPARED SOIL PRIOR TO				· · · · · · · · · · · · · · · · · · ·	·		
GRO-POWER' D ANIMAL ANI AL CULTURES;		B	COVER. 	TY OF GROUND COVER SHALL BE	as shown on			• • • •		•	
analysis 50% humus		C. I		PLANTING GROUND COVER, CONTR GROUND COVER.	ACTOR SHALL					,	,
PORTIONS OF E STANDARDS TO BE LEFT	S IN	8 \	EFORE FINAL LANDS	AREAS SHALL BE TREATED WITH SCAPE INSPECTION. GROUND COV IPPLYING PRE-EMERGENT. PRE-E NUFACTURER'S RECONMENDATION.	ER AREAS SHALL BE						-
DEBRIS,)R DISPOSED D OF EACH C	of. 10.		ALL AREAS WILL BE	RECEIVED BY THE CONTRACTOR A	AT SUBSTANTIALLY		• .				
ading, all and dispose	D	B	ALL LAWN AND PLAP AND UNIFORM PLANE DTHERWISE DIRECTED	T OF FINISH GRADE. NTING AREAS SHALL BE GRADED T E WITH NO ABRUPT CHANGE OF S D BY LANDSCAPE ARCHITECT. SOI	URFACE, UNLESS						
		C.	 all planting areas	SHALL SLOPE AWAY. S SHALL BE GRADED AND WAINTAI	NED TO ALLOW FREE			· ; ;		•	
K TOPSOIL EAD OVER A	11	GUARAN	LOW OF SURFACE N	MAILK.							
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K COLOR AND IURE. AVOID) BE			WATERING, FERTILIZING, WEEDING]	PROFESS	IONAL (CERTIFI	CATION	
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ALL REST ON ILLED WITH 'N		·					NO.: DATE	is Revise	REVISION DES	cription	
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WS:		1						akcel Sone 300 Y, ND 21031)-628-6000	WESTMIN	ALTIMORE BLVD ISTER, ND 21157 410-386-1600	
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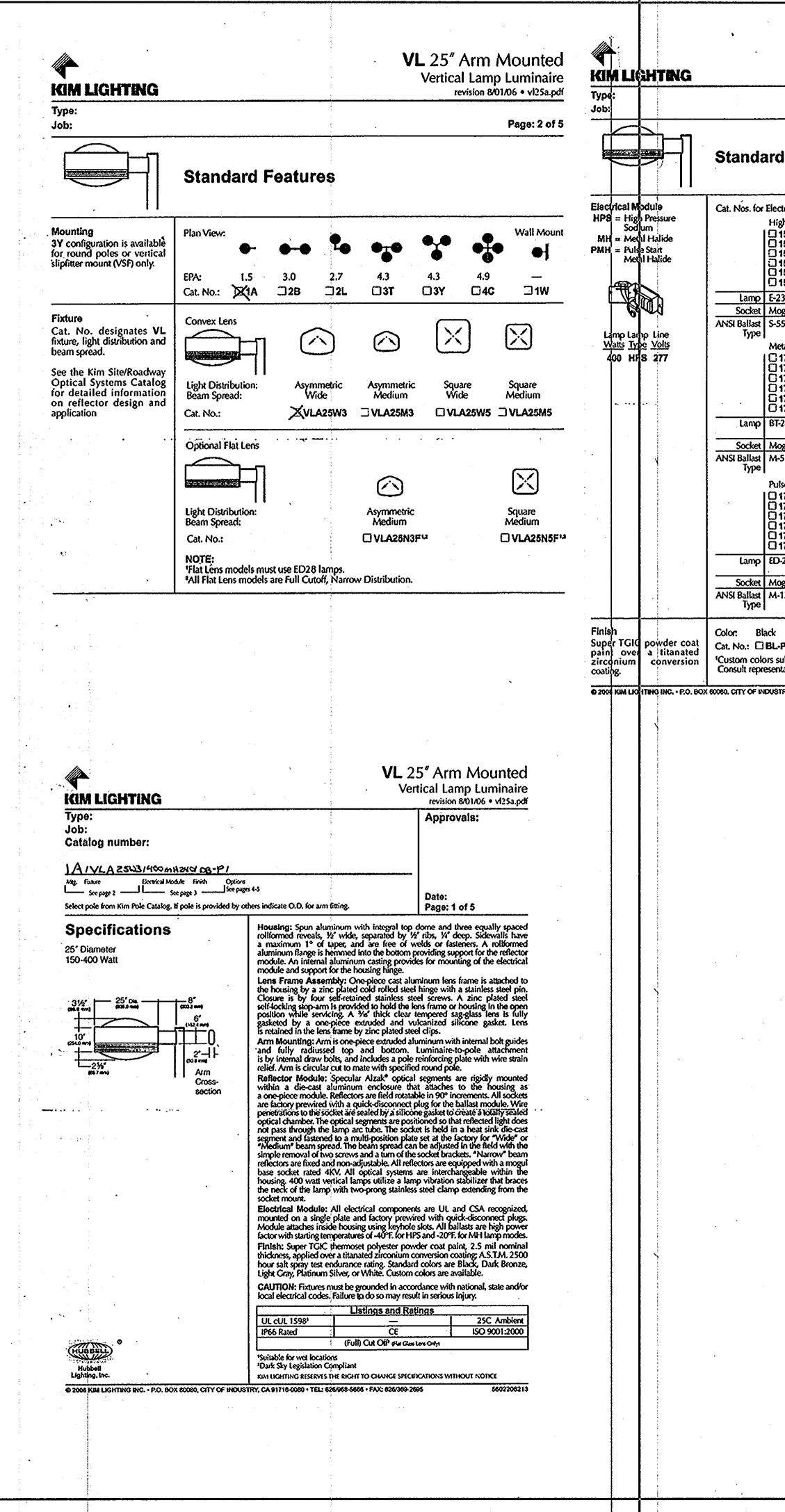
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⊢ 6″	
FACE DOWNWARD	
QUARE STEEL POLE	
in the second	
ACH COPPER BOLT INSIDE POLE EINFORCING ER FASTENERS)	
PPER WIRE, HANDHOLE W/ COVER UG AND CLAMP	
IED TO CONDUIT 2'-0" MIN.	
ER (WITH POLE)	
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BE CERTIFIED BY	JGHT
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PROP. 4 MOUNTING DESCRIPTION FIXTURES HEIGHT 22 20' WIDE-LITE 400W MODEL	
#1A-VLA25W3-400MH240-DB-P	NO 21312 STIPLES SILVER BEFORE YOU DIG CALL
	OVAL ENGRAPSION AND AND AND AND AND AND AND AND AND AN
For	REVISION I ONLY THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN
IONIA LIGHTING	COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THERETO APPURTEMANT.
	THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48
r staminum housing with 0.17 nominal well Dickness. Die cast door tempered, glass tens that is fully gastered with one piece tubular Soft Square Centroff Lighting	HOURS PRIOR TO ANY CONSTRUCTION. PROFESSIONAL CERTIFICATION
CE TOUGH palyes CE ponder Timesty, white other an cherechard tokers	I, ADAM J. VOLANTH, HEREBY CERTIFY THAT THESE DOCUMENTS WERE
ormad reflectors: IES 'ull cutoff distributions R2 (asymmetric), R3 browt net R55 (squaref are interchangeette, high-paoformanca neth reflectors: IES fail cutoff distributions SR2 resymmetric), SR3 forward innow, sheep cutoff). Segmentad reflectors attach with cruticitie and instructingeable.	PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND,
the power factor for 70-150W. Constant wattage autoransformer 70W-4500W 150W and below are standard with push-start goater tachnology. <u>Specifications</u> 20' to 35' Mounting 20' to 35' Mounting	LICENSE NO. 21342, EXPIRATION DATE: 9/14/08 APPROVED: DEPARTMENT OF PLANNING AND ZONING
iactory sessed EPA: 1.2 fz ² Weight: 55:3 fbs 176.28 kg1 7-1/8" with cooper alloy, nickel-plated screw shell and comer contact Length: 17-1/2" (44.5 cm) (18.1 cm)	CHIEF-DEVELOPMENT ENGINEERING DIVISION DATE
Width: 17-1/2" (44.5 cm) Ceruined (see Options): UL fosted for ZFTC emblem: and wort Depth: 7-1/2" (18.7 cm) cordence with standard IEC 529 "Maight: es configured in (10.2 cm) (44.5 cm) change without notice.	airly stant s/eg/15
For electest level times, configure product using standard entires (shown in build). Example: KAD 400M R3 TB SPD04 LPI	CHIEF-DIVISION OF LAND DEVELOPMENT JAFE DATE
Vottage Maunting Ballast Options Lamp''	DIRECTOR DATE DATE
h 120 Iypa Lanath ^{11,4} (blank) Magnetic <u>Shinpad installed in foture</u> LPI Lamp 120 XPD_ Square Of 4° erm ballisst ∓ SF Single fuse 128, 277, 347V ¹⁴ inclusiond 1240 ¹ 240 ¹ pole 05 6° erm CiVI Constant DF Double fuse 288, 240, 480 ¹⁴ L/LP Less 1240 ¹ 8PD_ Round ≪05 5° erm wattage PD Power tray ¹⁵ lamp	1 13/12/02 REVISED PER PUBLIC PLANS (08/17/08 REVISED PER ARCHITECTURALS
S 347 W80 Wall 2 12 am Alexandr Mark Avid Act / actor / actor 5 480' bracket photocontroll Actor / actor 5 * TB ¹ WWD Wood SCWA Super BRS Quartz restrike system ¹⁰ broaze	NO.: DATE REVISION DESCRIPTION OWNERS: DEVELOPER: EXECUTIVE PARK DRIVE ASSOC., LLC OVERTON & ASSOCIATES
230504/2 ¹² wall publice 37 165 House and a bible 15 DBR Black. BAD12P Degree srm. sterr 7 165 House and a bible DWB Medium (pole) ¹² ballsst ESA Darbied DWB Medium brouze	216 SCHILLING CIRCLE SUITE 300 909 BALTIMORE BLVD. HUNT VALLEY, ND 21031 WESTMINSTER, ND 21157
DAUTZYS Degrue ann PE1 NEMA buist-lock PE (120) DMA Natural 13 WBA Decorative wait PE3 NEMA buist-lock PE (120) aluminum 13 WBA Decorative wait PE3 NEMA buist-lock PE (3/7V) aluminum nametric ⁴ PE4 NEMA buist-lock PE (4/7V) PE4 NEMA buist-lock PE (4/7V)	PHONE: 410–628–6000 PROJECT COLUMBIA 100 OFFICE RESEARCH PARK PARCEL P-2, OVERTON & ASSOCIATES/PROVIDENT BANK
ymmetric ⁶ KMA Mast arm PE7 NEMA swist-lock PE (277V) external liter SC Shontaning cap for PER trina meunong bar VG Vandal guerd	4915 EXECUTIVE PARK DRIVE COLUMBIA, HOWARD COUNTY, MARYLAND
9 Optional first-tep ballest (120, 208, 240, WG Wire guard 277,450V). Womset: Sactory for analistic mattages memotics 11 g° arm is required when two or more weard throws tumnises are oriented on a 30°	AREA 1.6026 AC. TAX MAP 30 GRID 12 ZONED B-1 PARCEL 406, PARCEL P-2 L. 4262, F. 620
Ording pattern. Accessories Accessories Accessories Accessories Available with SPDB. Available with SPDB. Tanan Mounting Stipiliter Xumber of ficures Xumber of ficures	2ND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND TITLE
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ALI 1120, 208, 19 Mobile specified. KADVG Vendal guerd 20, 277, 347Vi. 20 Mustice RFD00 KADWG Vice guard Sheet #: KAD-M-S A1-370	BOHIER
	BOHLER ENGINEERING
ADDRESS CHART	810 GLENEAGLES COURT SUITE 300 TOWSON MARYLAND 21286
LOT/PARCEL # STREET ADDRESS	TOWSON, MARYLAND 21286 PH: (410) 821–7900 FX: (410) 821–7987
PARCEL P-2/PARCEL 406 4915 EXECUTIVE PARK DRIVE, COLUMBIA HOWARD COUNTY, MD	21045
	DATE: DESIGNED BY: A.G.S.
PERMIT INFORMATION CHART SUBDIVISION NAME SECTION/AREA LOT/PARCEL	
COLUNBIA 100 OFFICE RESEARCH PARK SECTION 1; AREA 2 406, PAR PLAT RECORDATION GRID# ZONING TAX MAP NO. ELECT. DISTR CENSUS TRAC	CEL P-2 T DATE: 4/17/08.
19776 12 B-1 30 2nd 6023.0 WATER CODE 602 5647400 5647400	ADAN-U, VOLANIHO PROFESSIONAL ENGINEER NO. 21342 DRAWING NO. 20 OF 22
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	VI. 25" Arm Mounted Vertical Lamp Luminaire revision 8/01/06 • vl25a.pdf	KIM LIGHTING		ire pdf Type:	VL 25" Arm Mounted Vertical Lamp Luminaire revision 8/01/06 • v125a.pdf Page: 5 of 5
d Features	Page: 3 of 5	Job:	Page: 4		Optional Features
ectrical Modules available: ligh Pressure Sodium 150HPS120 250HPS12 150HPS208 250HPS20 150HPS240 250HPS24 150HPS277 250HPS24 150HPS347 250HPS34 150HPS348 250HPS34	0 C 400HPS240	Wall Mounting Cat. No. 1W Select from Mounting page 2.	on Wall mounting (for poured concrete walls only). Modified support arm with a side access hole for field splicing. Zinc electro-plated steel embedment bracket for casting around a junction box, cover plate for junction box, finished to match fixture. 8'L x 6'H x 2'W. U-box (by others)		Allows standard fixture and arm to be mounted to steel poles having a 2° pipe-size steel tenon (2% O.D. x 4½ min. length). 4° round cast aluminum with flush cap, secured by four % stainless steel set point allen screws. Pole tenon must be field drilled at one set screw location to insure against fixture rotation. Finished to match fixture.
-23½ ClearED-18 or ET-18Aogul BaseMogul Base-55S-50	7 1 400HPS347 0 1 400HPS480	Photocell Cat. No. (See chart on right) C No Option	Factory installed photocell inside housing with a fully gasketed sensor on the side wall. For all multiple fixture mountings, one fixture is supplied with a photocell A-30 2A-31 208V DA-31 2A-31 208V	For existing pole installation or for use with poles provided by others.	NOTE: 3Y only available on round slipfitter. Pole with 2' pipe-size tenon (by others) Cat. No. Mounting Configuration UVSF-1A Stainless UVSF-2B Steel set set screws UVSF-3T Steel set screws UVSF-3Y Steel set screws
Actal Halide 175MH120 250MH120 175MH208 250MH208 175MH240 250MH240 175MH247 250MH247 175MH347 250MH347 175MH347 250MH347 250MH347	☐ 400MH120 ☐ 400MH208 ≤ 400MH240 ☐ 400MH277 ☐ 400MH347 ☐ 400MH347 ☐ 400MH347 ☐ 400MH380	•	Allowable wattage per fixture: 2A-30 through 2A-35.) Mounting (see page 2) * Fixture with photocell receptacke 8 slave unit(s) Allowable wattage per fixture: 150-400W 150-250W 400	Cat. No. UHSF	Image: Standard mounting arm with a slipfitter which allows VL Arm Mount model to be mounted to a horizontal pole davit-arm with 2' pipe-size mounting end (2%' O.D.). Cast aluminum clamp-type slipfitter with set screw anti-rotation lock. Bolts to housing from Horizontal Slipfitter Mount
T-28 or ED-28 Clear BT-28 or ED-28 Aogul Base Mogul Base A-57 M-58 ulse Start Metal Halide] 175PMH120 □ 250PMH12	ED-37 or BT-37 Clear Mogul Base M-59 0 0 0 400PMH120	Polycarbonate Lens Cat. No. 🛛 L25 🗋 No Option	Clear UV stabilized convex polycarbonate replaces standard tempered glass lens, gasketed and integral with lens frame. 250 watt maximum. 400 watt HPS is allowable in locations where ambient air temperature during fixture operation will not exceed 85°F during operation. CAUTION: Use only when vandalism is anticipated to be high. Useful life is limited by UV discoloration from	Accent Reveals Cat. No. (Sue right)	inside the electrical compartment using mounting holes for the standard support arm. Davit-arm must be field drilled at a set screw location to insure against fixture rotation. Finished to match fixture and arm. Three aluminum bands riveted inside the housing reveals. Available in five standard Kim powder coat finishes. Custom colors available. Super TGIC thermoset
175PMH208 250PMH20 175PMH240 250PMH240 175PMH247 250PMH240 175PMH247 250PMH240 175PMH247 250PMH240 175PMH347 250PMH347 175PMH480 250PMH3480 D-28 or BT-28 Clear ED-28 or BT-28 Aogul Base Mogul Base	0 0 400PMH240 7 0 400PMH277 7 0 400PMH347 0 0 400PMH480	Houseside Shleid Cat. No. INo Option	Fixtures with the standard convex glass lens or polycarbonate lens are available with a formed aluminum shield that passes streetside light and blocks houseside light, and a black anodized panel added to the reflector to reduce houseside reflections.	□No Option	polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating: A.S.T.M. 2500 hour salt spray test endurance rating. Accent Reveals Color: Black Dark Bronze Light Gray Platinum Silver White Custom Colors' Cat. No.: BL-REV DB-REV DB-REV DB-REV WH-REV CC-REV 'Custom colors subject to additional charges, minimum quantities and extended lead times. Consult representative. Custom color description:
A-137 M-138 k Dark Bronze Light Gray I L-P XOB-P CLG-P C	M-135 Platinum Silver White Custom Colors ¹ PS-P WH-P CC-P nimum quantities and extended lead times.	• . •	 Fixtures with the optional flat glass lens are available with stamped aluminum louvers that pass streetside light and block houseside light, and a blackened panel added to the reflector to reduce houseside reflections. Note: Recommended for use with clear lamps only. Cat. No. Cat. No. HS for fixtures with option! flat glass lens. For use with asymmetric distribution only. HSC For use with standard convex glass lens or optional polycarbonate lens. 		
STRY, CA 91716-0080 • TEL: 626/968-5668 •		© 2006 KIM LIGHTING INC. + P.	optional polycarbonate lens. O. BOX 60060, CITY OF UNDUSTRY, CA 91718-0060 • TEL: 626/968-5666 • FAX: 626/369-2695 56022	2006 KINI LIGHTING INC. • P.O. BOX	E 60080, CITY OF INDUSTRY, CA 91718-0080 + TEL: 626/968-5668 + FAX: 626/369-2695 5602206213 811 IN ND or 1-800-257-7777 PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE 7745 ORUMING DOES NOT INCLUDE NECESSARY
					COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE MITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND RECULATIONS THERETO APPURTED AND RECULATIONS THERETO APPURTED AND RECULATIONS THERETO APPURTED AND RECULATIONS TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PROR TO ANY CONSTRUCTION.
		•			PROFESSIONAL CERTIFICATION I, ADAM J. VOLANTH, 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. 21342, EXPIRATION DATE: 9/14/08
	• •				APPROVED: DEPARIMENT OF PLANNING AND ZONING DOULDENING CHIEF-DEVELOPMENT ENGINEERING DIVISION E DATE CHIEF-DEVELOPMENT ENGINEERING DIVISION E DATE CHIEF-DEVELOPMENT ENGINEERING DIVISION E CHIEF-DEVELOPMENT E CHI
	•	•	· · · · · · · · · · · · · · · · · · ·		DIRECTOR DIRECTOR 1 08119/08 REUNSED DEC ANON HECTORULS
					NO.: DATE REVISION DESCRIPTION OWNERS: DEVELOPER: EXECUTIVE PARK DRIVE ASSOC., LLC OVERTON & ASSOCIATES 216 SCHILLING CIRCLE SUITE 300 HUNT VALLEY, NO 21031 PHONE: 410-628-6000 PROJECT COLUMBIA 100 OFFICE RESEARCH PARK PARCEL P-2, OVERTON & ASSOCIATES/PROVIDENT BANK
					4915 EXECUTIVE PARK DRIVE COLUMBIA, HOWARD COUNTY, MARYLAND AREA 1.6026 AC. TAX MAP 30 GRID 12 ZONED B-1 PARCEL 406, PARCEL P-2 L 4262, F. 620 2ND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND TITLE LIGHTING DETAILS
		•	•		BOHLER ENGINEERING
				LOT/PAR PARCEL P-2/F	ADDRESS CHART CEL # STREET ADDRESS
		•		PLAT RECORDATI 19776	0 OFFICE RESEARCH PARK SECTION 1; AREA 2 406, PARCEL P-2 KN GRUDA ZONING TAX MAP NO. ELECT. DISTR CENSUS TRACT 12 B-1 30 2nd 6023.02
				WATER CODE	SEWER CODE SEWER CODE GG2 SEWER CODE SEWER CODE 5647400 PROFESSIONAL: ENGINEER NO. 21342 DRAWING NO. 21 OF 22 SCOPOS:ZY

