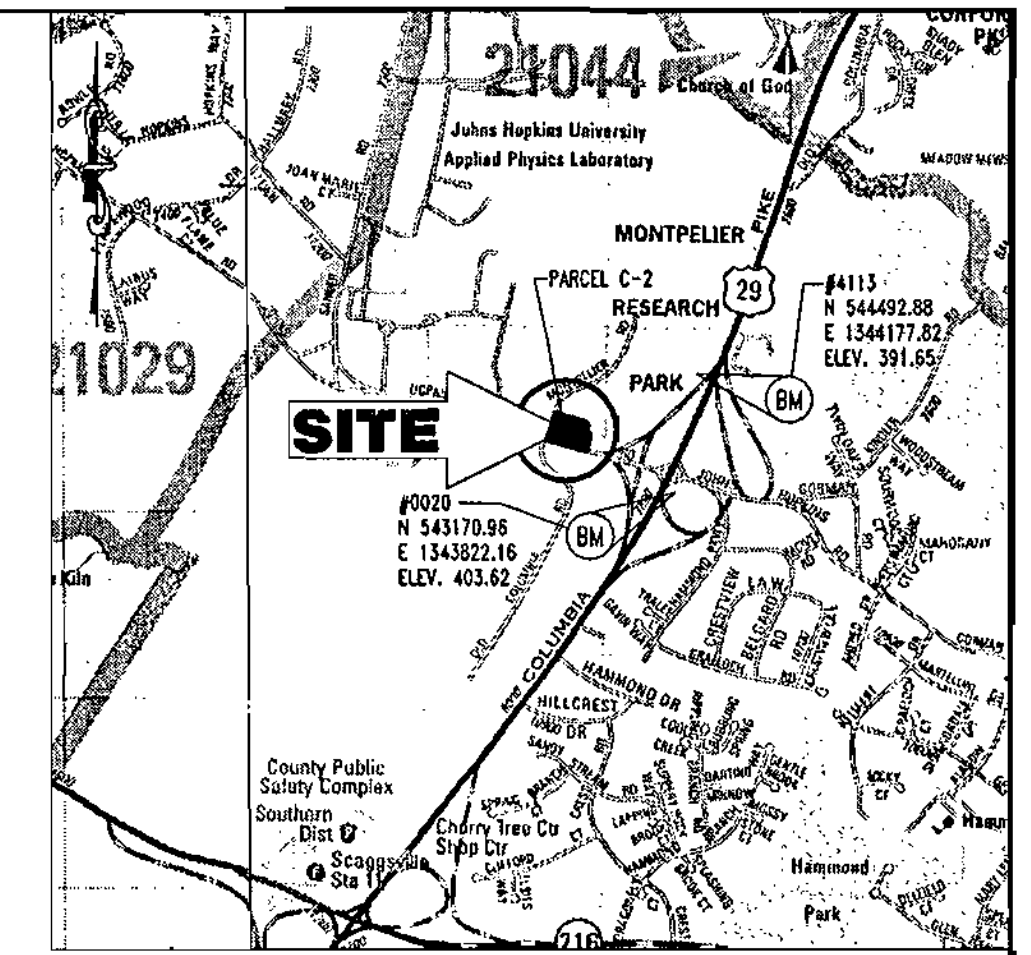


EXXON MOBIL CORPORATION

MONTPELIER RESEARCH CENTER

Howard County, Maryland

SITE DEVELOPMENT PLAN SET



LOCATION MAP
 COPYRIGHT ADC THE MAP PEOPLE
 PERMIT USE NO. 20694276
 SCALE: 1"=2000'

BENCHMARK INFORMATION

HOWARD COUNTY BENCHMARK NO. 0020 ELEVATION: 403.62 N 543170.96 E 1343822.16	HOWARD COUNTY BENCHMARK NO. 4113 ELEVATION: 391.65 N 544492.88 E 1344177.82
--	--

LEGEND

EXISTING	PROPOSED
ON-SITE PROPERTY LINE / R.O.W. LINE	ON-SITE PROPERTY LINE / R.O.W. LINE
NEIGHBORING PROPERTY LINE / INTERIOR PARCEL LINE	NEIGHBORING PROPERTY LINE / INTERIOR PARCEL LINE
EASEMENT LINE	EASEMENT LINE
BUILDING/PARKING SETBACK LINE	BUILDING/PARKING SETBACK LINE
R.O.W. CENTERLINE	R.O.W. CENTERLINE
SANITARY SEWER MAIN	SANITARY SEWER MAIN
SANITARY SEWER LATERAL	SANITARY SEWER LATERAL
STORM SEWER	STORM SEWER
WATER LINE	WATER LINE
GAS LINE	GAS LINE
UG ELECTRIC LINE	UG ELECTRIC LINE
UG TELEPHONE LINE	UG TELEPHONE LINE
OH WIRE	OH WIRE
UG CABLE LINE	UG CABLE LINE
LIGHTING ISOLUX LINE	LIGHTING ISOLUX LINE
EDGE OF PAVEMENT	EDGE OF PAVEMENT
CONCRETE CURB & GUTTER	CONCRETE CURB & GUTTER
BUILDING LINE	BUILDING LINE
STORM/SANITARY SEWER FLOW ARROW	STORM/SANITARY SEWER FLOW ARROW
SURFACE DRAINAGE FLOW ARROW	SURFACE DRAINAGE FLOW ARROW
TC PATH	TC PATH
DRAINAGE DIVIDE	DRAINAGE DIVIDE
INDEX CONTOUR LINE	INDEX CONTOUR LINE
INTERMEDIATE CONTOUR LINE	INTERMEDIATE CONTOUR LINE
SPOT ELEVATION	SPOT ELEVATION
RIP RAP	RIP RAP
HANDICAP RAMP	HANDICAP RAMP
FLARED END SECTION	FLARED END SECTION
HEADWALL OR END WALL	HEADWALL OR END WALL
IRON ROD / PIPE	IRON ROD / PIPE
R.O.W. MONUMENT	R.O.W. MONUMENT
BENCHMARK	BENCHMARK
MANHOLE	MANHOLE
YARD INLET	YARD INLET
CURB INLET	CURB INLET
GRATE INLET	GRATE INLET
STORM STRUCTURE NO. LABEL	STORM STRUCTURE NO. LABEL
DECORATIVE AREA LIGHT	DECORATIVE AREA LIGHT
AREA / YARD LIGHT	AREA / YARD LIGHT
CLEAN OUT	CLEAN OUT
HYDRANT	HYDRANT
WATER METER	WATER METER
WATER VALVE	WATER VALVE
GAS VALVE	GAS VALVE
UTILITY POLE	UTILITY POLE
TRAFFIC SIGNAL	TRAFFIC SIGNAL
SIGN	SIGN
TYPICAL NOTE TEXT	TYPICAL NOTE TEXT

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION LATEST EDITION" AND MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE LOCATION AND ELEVATIONS OF THE EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF EXISTING UTILITIES IN THE WORK AREA AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING BOHLER ENGINEERING, P.C. AT (410) 821-7900 IN THE EVENT OF ANY DISCREPANCIES ON THE PLAN OR IN THE RELATIONSHIP OF EXISTING GRADES WITH PROPOSED GRADES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL NOTE THAT IN THE CASE OF A DISCREPANCY BETWEEN A SCALED DIMENSION AND A FIGURED DIMENSION SHOWN ON THE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT THE FAILURE TO MENTION SPECIFIC WORK THAT WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT, SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS PRIOR TO BEGINNING WORK:
 - HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION (410) 313-1880
 - MISS UTILITY (800) 257-7777
 - C&P TELEPHONE CO. (410) 725-9976
 - HOWARD COUNTY BUREAU OF UTILITIES (410) 313-2366
 - AT&T CABLE LOCATION DIVISION (410) 393-3553
 - BC&E (410) 685-0123
 - NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION AT LEAST 48 HOURS PRIOR TO THE START OF WORK (410) 313-1855.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS, UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE PURPOSE OF THIS SITE DEVELOPMENT PLAN IS TO CONSTRUCT A GASOLINE SERVICE STATION WITH ACCESSORY USE CONVENIENCE STORE, CARRY-OUT RESTAURANT, AND CARWASH.
- SECTION 404 OF THE MD DEPARTMENT OF NATURAL RESOURCES DOES NOT APPLY TO NOR ARE ANY WETLANDS PERMITS REQUIRED FOR THIS PROJECT.
- ALL WASTE MATERIAL WHICH HAS BEEN GENERATED AS A RESULT OF THE CONVENIENCE/RESTAURANT STORE SHALL BE EITHER STORED ON SITE AND LATER SHIPPED FOR RECYCLING OR PROPERLY DISPOSED OF AT A COUNTY APPROVED LANDFILL.
- PUBLIC WATER AND SEWER WILL BE UTILIZED. AN OUTSIDE WATER METER SHALL BE LOCATED WITHIN THE UTILITY EASEMENT AND WILL MEET ALL HOWARD COUNTY STANDARDS.
- EXISTING WATER IS SHOWN PER CONTRACT NO. 44-1160 AND 34-3654-D. EXISTING SEWER IS SHOWN PER CONTRACT NO. 54-3654-D.
- 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. 0020 AND 4113 WERE USED FOR THIS PROJECT.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM A FIELD RUN SURVEY WITH ONE FOOT CONTOUR INTERVALS PREPARED BY CONTROL POINT ASSOCIATES DATED 05/08/03.
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL LIGHTING MUST BE DIRECTED AWAY FROM ADJACENT PUBLIC RIGHT OF WAY AND THE ADJACENT RESIDENTIAL PROPERTIES AND COMPLY WITH THE REQUIREMENTS OF ZONING SECTION 134.

SITE ANALYSIS DATA CHART	
PROJECT AREA:	65,723 S.F. OR 1.509 AC.
LIMIT OF DISTURBED AREA:	68,441 S.F. OR 1.57 AC.
PRESENT ZONING:	PEC (PLANNED EMPLOYMENT CENTER)
PROPOSED USE:	GASOLINE SERVICE STATION WITH ACCESSORY USE CONVENIENCE STORE, CARRY-OUT RESTAURANT (591 S.F. MAX. AND NO ON-SITE SEATING) AND CARWASH
FLOOR SPACE:	CONVENIENCE STORE = 3,406 S.F. CARRY-OUT RESTAURANT = 591 S.F. CARWASH = 1,152 S.F. TOTAL = 5,149 S.F.
MAXIMUM NUMBER OF EMPLOYEES:	4
PARKING SPACES REQUIRED:	GASOLINE SERVICE STATION = 4 SPACES CARRY-OUT RESTAURANT @ 14 SPACES/1,000 S.F. = 9 SPACES CONVENIENCE STORE @ 2 SPACES/1,000 S.F. = 7 SPACES TOTAL REQUIRED = 20 SPACES
PARKING SPACES PROVIDED:	30 INCLUDING 2 HANDICAP SPACES
STACKING SPACES REQUIRED:	15
STACKING SPACES PROVIDED:	15
OPEN SPACE ON SITE:	0.48 AC. OR 32% OF GROSS AREA
BUILDING COVERAGE ON SITE:	0.116 AC. OR 7.2% OF GROSS AREA

SHEET INDEX

COVER SHEET	1 OF 17
EXISTING CONDITIONS/DEMOLITION PLAN	2 OF 17
SITE PLAN	3 OF 17
DIMENSIONED SITE PLAN	4 OF 17
GRADING PLAN	5 OF 17
SITE DETAILS	6 OF 17
UTILITY PLAN	7 OF 17
UTILITY PROFILES	8 OF 17
DRAINAGE/SOILS AREA MAP	9 OF 17
SOIL EROSION & SEDIMENT CONTROL PLAN	10 OF 17
SOIL EROSION & SEDIMENT CONTROL NOTES	11 OF 17
LANDSCAPE PLAN	12 OF 17
LANDSCAPE DETAILS	13 OF 17
LIGHTING PLAN	14 OF 17
BUILDING ELEVATIONS AND SIGNAGE PLAN	15 OF 17
ALTA/ASCM LAND TITLE SURVEY	16 OF 17
SOIL BORINGS	17 OF 17

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.

MISS UTILITY



BEFORE YOU DIG CALL
 1-800-257-7777
 PROTECT YOURSELF, GIVE TWO
 WORKING DAYS NOTICE

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 REGULATIONS THEREOF APPROPRIATE.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION (BLOCK)	ZONING	TAX MAP NO.	ELECT. DISTR.
16832	17	PEC	5
WATER CODE	SEWER CODE	CENSUS TRACT	
E21	6440000	8051.02	

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 10/21/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION DATE

APPROVED: DIVISION OF LAND DEVELOPMENT
 [Signature] 10/22/04
 CHIEF-DIVISION & LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 [Signature] 10/18/04
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT 580

NO.	DATE	REVISION DESCRIPTION
1		DEVELOPER
2		EXXON MOBIL CORPORATION
3		C/O TRAMMEL CROW COMPANY
4		3225 GALLOWAY ROAD, ROOM 5W218
5		FAIRFAX, VA 22037

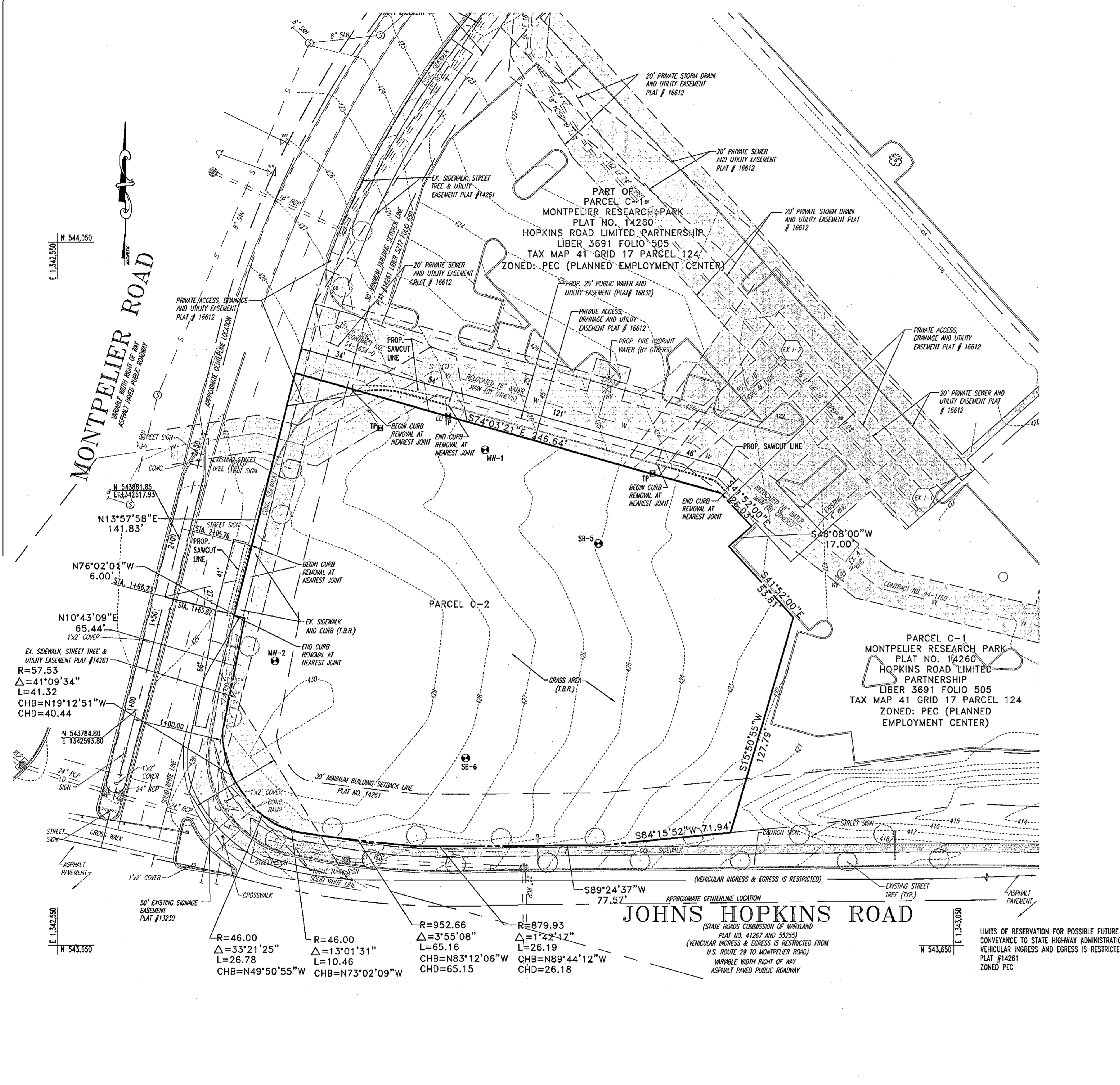
PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION

AREA TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE: COVER SHEET

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 8110 CRYSTALLEX COURT, SUITE 300, TOWSON, MD 21286
 (410) 821-7900 FAX (410) 821-7927 | www.bohler.com

DESIGNED BY: J.J.I.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE: 1"=100'
 SHEET NO. 1 OF 17



- DEMOLITION NOTES:**
- ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.
 - DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS.
 - BREAK UP CONCRETE SLABS-ON-GRADE, UNLESS OTHERWISE DIRECTED BY THE CLIENT.
 - CONDUCT DEMOLITION SERVICES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS AND OTHER OCCUPIED FACILITIES WITHOUT PRIOR WRITTEN PERMISSION OF THE CLIENT AND ANY APPLICABLE GOVERNMENTAL AUTHORITIES. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRED BY APPLICABLE GOVERNMENTAL REGULATION.
 - USE WATERING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS, AS NECESSARY TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND SCATTERING IN THE AIR. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. RETURN ALL ADJACENT AREAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK.
 - DEMOLITION IS TO BE PERFORMED IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME.
 - COMPLETELY FILL BELOW GRADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. STONES USED WILL NOT BE LARGER THAN 6 INCHES IN DIMENSION. MATERIAL FROM DEMOLITION MAY NOT BE USED AS FILL. PRIOR TO PLACEMENT OF FILL MATERIALS, UNDERTAKE ALL NECESSARY ACTION IN ORDER TO INSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROST, FROZEN MATERIAL, TRASH, DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 6 INCHES IN LOOSE DEPTH AND COMPACT EACH LAYER AT PLACEMENT TO 95% OPTIMUM DENSITY. GRADE THE SURFACE TO MEET ADJACENT CONTOURS AND TO PROVIDE SURFACE DRAINAGE.
 - REMOVE FROM THE DESIGNATED SITE, AT THE EARLIEST POSSIBLE TIME, ALL DEBRIS, RUBBISH, SALVAGEABLE ITEMS, HAZARDOUS AND COMBUSTIBLE SERVICES. REMOVED MATERIALS MAY NOT BE STORED, SOLD OR BURNED ON THE SITE. REMOVAL OF HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROCEDURES AS AUTHORIZED BY THE FIRE DEPARTMENT OR OTHER APPROPRIATE REGULATORY AGENCIES AND AUTHORITIES.
 - SHUT OFF, DISCONNECT AND SEAL IN CONCRETE ALL UTILITIES SERVING THE STRUCTURE(S) TO BE DEMOLISHED BEFORE THE COMMENCEMENT OF THE DESIGNATED DEMOLITION. MARK FOR POSITION ALL UTILITY DRAINAGE AND SANITARY LINES AND PROTECT ALL ACTIVE LINES. CLEARLY IDENTIFY, BEFORE THE COMMENCEMENT OF DEMOLITION, SERVICES THAT REQUIRE INTERRUPTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PARTIES, AND NOTIFY ALL APPLICABLE UTILITY COMPANIES TO INSURE THE CONTINUATION OF SERVICE.
 - PRIOR TO THE ONSET OF DEMOLITION, THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES ON SITE AND COORDINATE REMOVAL OF SAID UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
 - PRIOR TO THE ONSET OF DEMOLITION THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AS REQUIRED BY HOWARD COUNTY, THE STATE OF MARYLAND AND ANY APPLICABLE FEDERAL AGENCIES.
 - T.B.R.=TO BE REMOVED.
 - ALL EXISTING SHRUBBERY WITH IN THE LIMITS OF DISTURBANCE IS TO BE REMOVED UNLESS OTHERWISE NOTED.
 - ALL EXISTING GRAVEL ON THE SUBJECT SITE IS TO BE REMOVED.
 - ANY OTHER FEATURES NOT SHOWN ON THIS SURVEY, BUT NOT SITE SPECIFIC TO THE SUBJECT SITE ARE TO BE REMOVED, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FENCES, AND SIGNS.
 - THE CONTRACTOR IS RESPONSIBLE FOR SAFETY ON THE SITE AT ALL TIMES DURING THE DEMOLITION PROCESS.
 - LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. ALL LOCATIONS ARE 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 AS-BUILT PLANS AND UTILITY MARKOUTS DO NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANY.
 - ELEVATIONS SHOWN HEREON REFERENCE THE NATIONAL GEODETIC VERTICAL DATUM (NVD29) WITH LOCAL REFERENCE TO HOWARD COUNTY SURVEY CONTROL STATION NO. 0020 WITH ELEV. 403.02 AND NO. 4115 WITH ELEV. 491.55.
 - THE PROPERTY IS LOCATED IN FLOOD HAZARD ZONE C (AREAS OF MINIMAL FLOODING) PER MAP ENTITLED "FIRM, FLOOD INSURANCE RATE MAP, HOWARD COUNTY, MARYLAND, PANEL 38 OF 45, COMMUNITY-PANEL NUMBER 240044 0038 B, EFFECTIVE DATE DECEMBER 4, 1986.
 - EXISTING ITEMS TO BE REMOVED ARE DEPICTED WITH DASHED LINETYPES.
 - GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS RELATIVE TO DEMOLITION.
 - REFERENCE HOWARD COUNTY SITE DEVELOPMENT PLAN SDP-98-11, APPROVED 10/29/97.
 - ABANDONMENT OF ON-SITE MONITORING WELLS MUST BE APPROVED BY THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO THE COMMENCEMENT OF GRADING.

LEGEND:
 TP# TEST PIT LOCATION
 SB-5 BORING LOCATION

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/23/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 10/22/04
 CHIEF-DIVISION OF LAND DEVELOPMENT DATE

[Signature] 10/24/04
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/26/04
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT 560

NO.	DATE	REVISION DESCRIPTION
OWNER		DEVELOPER
HOPKINS ROAD LIMITED PARTNERSHIP		EXXON MOBIL CORPORATION
9030 RED BRANCH ROAD		C/O TRANEL CROW COMPANY
SUITE 200		3225 GALLOWAY ROAD, ROOM 5W218
COLUMBIA, MD 21045-2055		FAIRFAX, VA 22037
PROJECT	EXXON MOBIL PROPOSED EXXON GAS STATION	
AREA	TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND	
TITLE	EXISTING CONDITIONS PLAN	

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 #1010 GLENMANSION COUNTY CENTER ROAD, TOWSON, MD 21286
 #410 881-7900 FAX #410 881-7987 | www.bohlereng.com

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: M0034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 2 OF 17



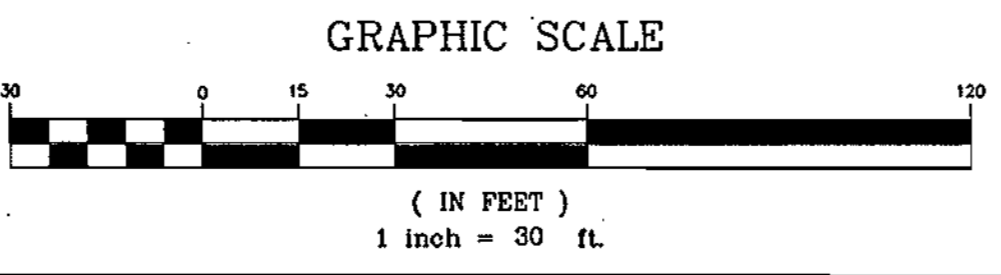
BEFORE YOU DIG CALL
 1-800-282-7771
 PROTECT YOURSELF. GIVE TWO WORKING DAYS NOTICE

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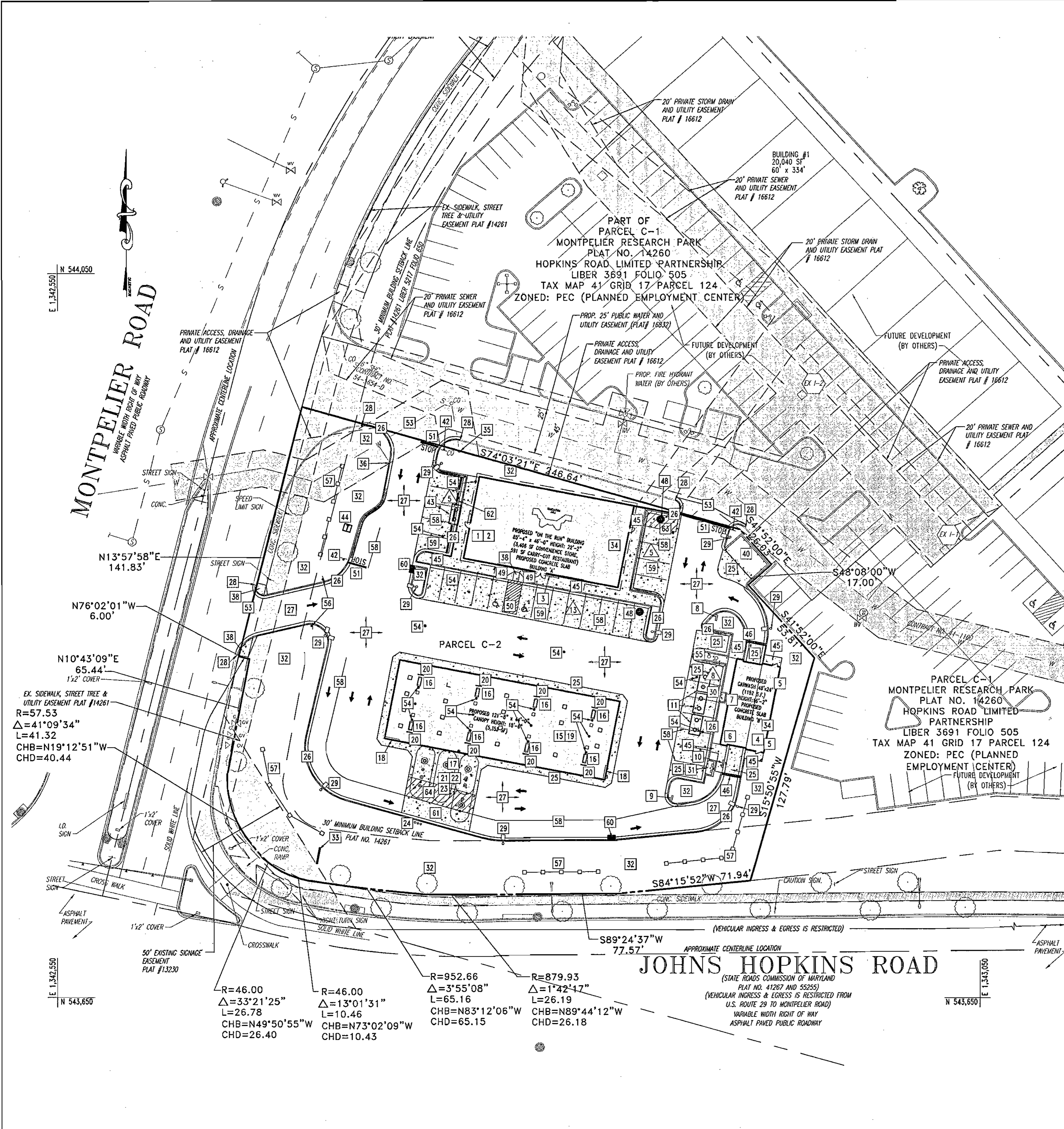
THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	TAX MAP NO.	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	41	C2/124
PLAT RECORDATION	BLOCK#	ZONING	ELECT. DIST.
16832	17	PEC	5
WATER CODE		SEWER CODE	
E21		6440000	



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

- CW - CARWASH SUPPLIER
- CS - CANOPY SUPPLIER
- GC - GENERAL CONTRACTOR
- XOM - EXXONMOBIL
- O - OTHER
- 12 - IMPROVEMENT ITEM
- 9 - PARKING SPACES
- NEW ASPHALT PAVING (ON PLAN)
- NEW CONCRETE (ON PLAN)
- ETR - EXISTING TO REMAIN
- INDICATES TRAFFIC FLOW ONLY. (DOES NOT REFLECT PAINTED TRAFFIC CONTROLS.)
- FIRE HYDRANT

- ALL UTILITY CONNECTIONS ARE TO BE AS PER LOCAL CODE BY G.C.
- G.C. TO PROVIDE CONDUIT & WIRING TO ALL EXXONMOBIL I.D. SIGNS & CONDUIT ONLY TO PUBLIC TELEPHONE BOOTH.
- SITE PLAN SUPERSEDES ALL WORKING DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL PAINT TO BE FINISHED BY G.C.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND CONSTRUCTION AS SHOWN ON PLANS UNLESS OTHERWISE NOTED.

ITEM NUMBER	FURNISHED BY	INSTALLED BY	DESCRIPTION	REFERENCE
1	GC	GC	BUILDINGS TYPE (85'-4" x 46'-0") "ON THE RUN" (BY GC FURNISHED/INSTALLED)	SEE ARCH. DWGS.
2	GC	GC	BUILDINGS DOWNSPOUT DRAINS <input checked="" type="checkbox"/> UNDERGROUND <input type="checkbox"/> ABOVEGROUND	SHEET 7
3	XOM	GC	BUILDINGS SIGNS	SHEET 15
4	GC	GC	CARWASH (48'-0" x 24'-0")	SEE ARCH. DWGS.
5	GC	GC	CARWASH DOWNSPOUT DRAINS <input checked="" type="checkbox"/> UNDERGROUND <input checked="" type="checkbox"/> ABOVEGROUND	SHEET 7
6	XOM	GC	CARWASH EQUIPMENT	SEE ARCH. DWGS.
7	XOM	GC	CARWASH "WASH 'N' RUN" SIGN	SEE ARCH. DWGS.
8	XOM	GC	CARWASH "EXIT" SIGN	SEE ARCH. DWGS.
9	XOM	GC	CARWASH "ENTER" SIGN	SEE ARCH. DWGS.
10	XOM	GC	COIN BOX FOR CARWASH	SEE ARCH. DWGS.
11	XOM	GC	CARWASH RECLAIM CANOPY/ISLANDS	SEE ARCH. DWGS.
15	CS	CS	CANOPY TYPE (121'-8" x 44'-0")	SEE CANOPY DWGS.
16	XOM	GC	DISPENSING EQUIPMENT - 8 MPD'S W/ CRIND & VAPOR VAC (ENCORE)	
17	XOM	GC	G-SITE SYSTEM (2) REQUIRED	
18	XOM	GC	CANOPY FASCIA SIGNS	SHEET 15
19	GC	GC	CANOPY DOWNSPOUT DRAINS <input checked="" type="checkbox"/> UNDERGROUND <input type="checkbox"/> ABOVEGROUND	
20	XOM	GC	BOLLARDS (2 EA.)	SHEET 6
21	XOM	GC	TANKS FOR MOTOR FUEL (1) 15K SUPREME (1) 15K REGULAR (1) 20K (12K SUPREME) (8K DIESEL) STP W/LEAK DETECTORS (3) 1 1/2 HP	XOM PUMP & TANK DWGS.
22	XOM	GC	GED FLEX D PRODUCT PIPING	
23	GC	GC	VAPOR RECOVERY SYSTEM (STAGE I & STAGE II) W/ VENT PIPES	
24	GC	GC	VENT PIPES	
25	GC	GC	6" CONCRETE W/ #3 REBAR AT 18" O.C. EACH WAY	1090D DWGS.
26	GC	GC	6" REINFORCED CONCRETE CURB W/ 16" GUTTER	SHEET 6; 1090D DWGS.
27	GC	GC	ASPHALT PAVING PER XOM SPECIFICATIONS & PER XOM ENGINEER	SHEET 6
28	GC	GC	MATCH EXISTING CURB & GUTTER (IN KIND)	
29	GC	GC	NEW YARD LIGHTS (16' HIGH), FIXTURES & POLES (PREFINISHED)	1090D DWGS.
30	GC	GC	AIR/WATER W/INFORMATION SIGN	1090D DWGS.
31	GC	GC	3'-6" REINFORCED CONCRETE MAT W/CONDUIT FOR PUBLIC TELEPHONES	1090D DWGS.
32	XOM	GC	LANDSCAPING AREA	SHEET 12
33	TCC	GC	MAJOR I.D. SIGN	SHEET 15
34	GC	GC	BUILDING ELECTRICAL, TELEPHONE, AND GAS SERVICE ROUTED UNDERGROUND PER TCC FIELD ENGINEER & LOCAL COUNTY CODES	SHEET 7
35	GC	GC	SANITARY SEWER SERVICE - TIE INTO EXISTING SANITARY SEWER STUBOUT PER TCC FIELD ENGINEER & LOCAL COUNTY CODES	SHEET 7
36	GC	GC	WATER SERVICE - TIE INTO EXISTING WATER SERVICE LATERAL PER TCC FIELD ENGINEER & LOCAL COUNTY CODES	SHEET 7
38	GC	GC	HANDICAP RAMP PER LOCAL, FED. & ADA CODES	SHEET 6
40	GC	GC	MASONRY TRASH ENCLOSURE	SHEET 15
42	GC	GC	STOP SIGN	SHEET 6
43	GC	GC	1000 GALLON GREASE TRAP	BGE SPEC.
44	GC	GC	ELECTRIC TRANSFORMER	SHEET 6
45	GC	GC	SIDEWALK	SHEET 6
46	GC	GC	TRENCH DRAIN	SHEET 7
47	GC	GC	NOT USED	
48	GC	GC	MANHOLE	SHEET 6
49	GC	GC	HANDICAP PARKING SIGN WALL MOUNTED	SHEET 6
50	GC	GC	HANDICAP PAINT STRIPING	SHEET 6
51	GC	GC	STOP BAR	SHEET 6
52	GC	GC	NOT USED	
53	GC	GC	MEET EXISTING PAVEMENT	
54	GC	GC	CLEAN OUT	SHEET 6
55	GC	GC	VACUUM ISLAND	SHEET 6
56	GC	GC	"DO NOT ENTER" SIGN	SHEET 6
57	GC	GC	LANDSCAPE FENCE	SHEET 12
58	GC	GC	4" PAINT STRIPE	SHEET 6
59	GC	GC	8" BLACK CONCRETE W/ #3 REBAR @ 12" O.C. EACH WAY PER EXXON MOBIL STANDARD	1090D DWGS.
60	GC	GC	STANDARD HOWARD COUNTY TYPE "S" INLET	SHEET 7
61	GC	GC	8" CONCRETE W/ #3 REBAR AT 18" O.C. EACH WAY	1090D DWGS.
62	GC	GC	CONCRETE WHEEL STOPS (TYP OF 5)	SHEET 7
63	GC	GC	PANEL TRUCK DELIVERY AREA	
64	GC	GC	FUEL TRUCK DELIVERY AREA	

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/13/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
[Signature] 10/20/04
 CHIEF-DIVISION & LAND DEVELOPMENT
[Signature] 10/20/04
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/20/04
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
OWNER	DEVELOPER	
HOPKINS ROAD LIMITED PARTNERSHIP	EXXON MOBIL CORPORATION	
9030 RED BRANCH ROAD	C/O TRAMMEL CROW COMPANY	
SUITE 200	3225 GALLOWAY ROAD, ROOM 5W218	
COLUMBIA, MD 21045-2055	FAIRFAX, VA 22037	

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE: SITE PLAN
BOHLER ENGINEERING, P.C.
 *PROFESSIONAL ENGINEERING SERVICES
 #10 GLENBOROUGH COURT, SUITE 300, TOWSON, MD 21286
 #410 821-7900 FAX #410 821-7901

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: W0034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 3 OF 17

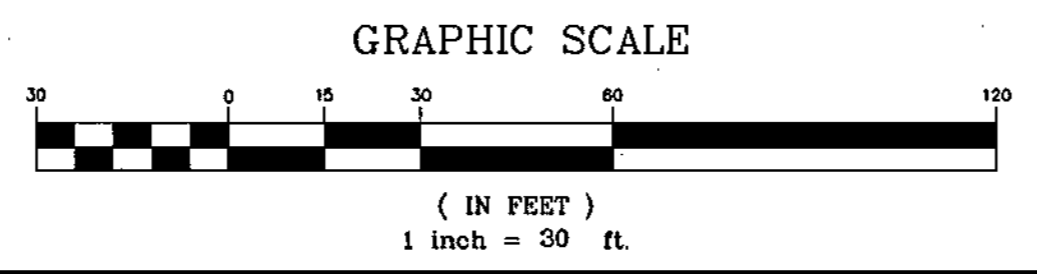


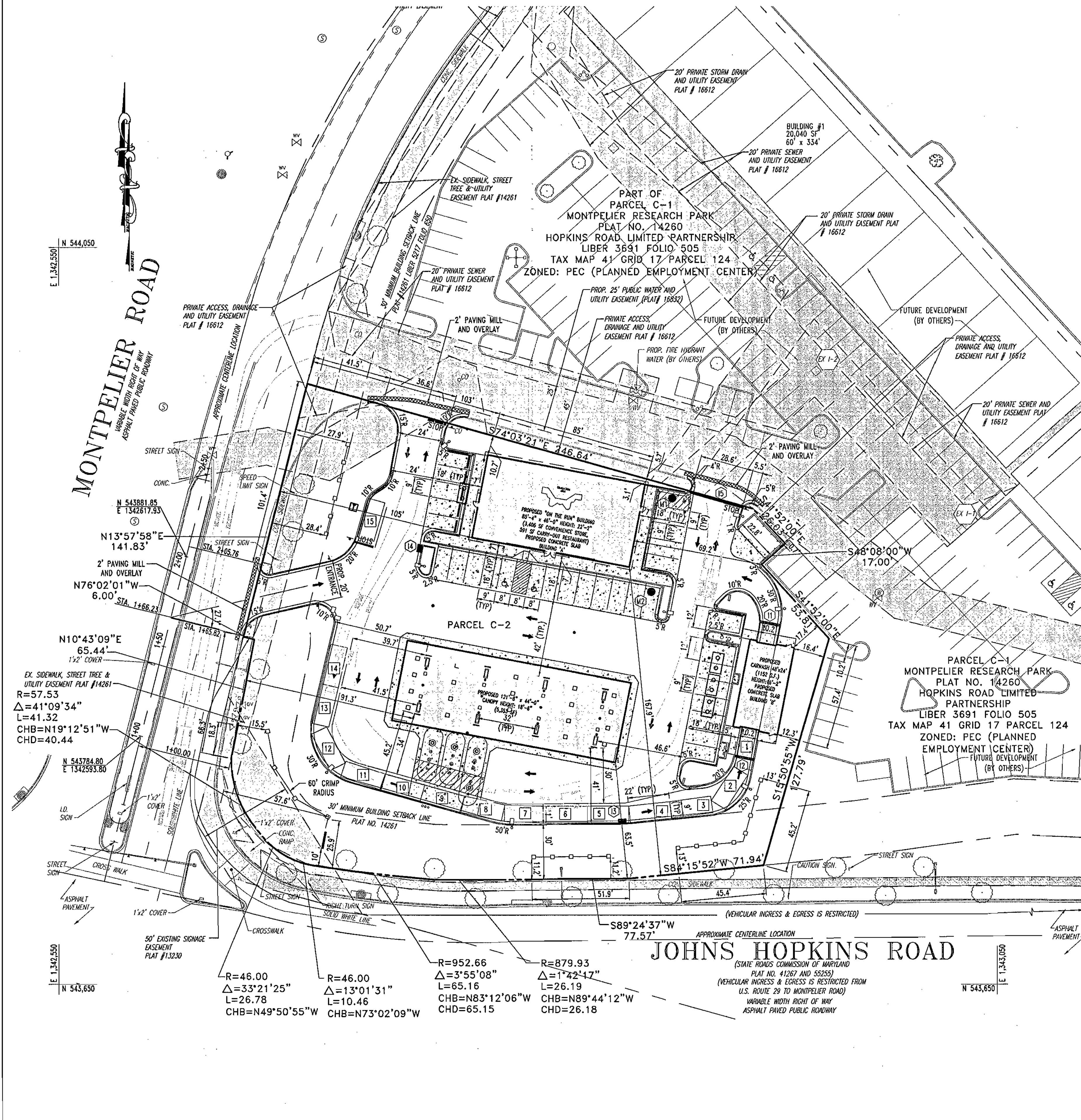
THIS DRAWING DOES NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THEREO APPROPRIATE.
 THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION #	BLOCK #	ZONING	TAX MAP NO.
18832	17	PEC	41
WATER CODE	SEWER CODE	ELECT. DIST.	CENSUS TRACT
E21		5	6051.02
			6440000

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:

- UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST HOWARD COUNTY PLUMBING CODE AND DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND DETAILS. IN CASE OF CONFLICT OR DISCREPANCY, THE PLUMBING CODE SHALL APPLY.
- EXISTING SITE FEATURES AND UTILITIES SHOWN HAVE BEEN BASED UPON SURVEYS AND OTHER SOURCES BELIEVED TO BE RELIABLE. THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 A MINIMUM OF THREE WORKING DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN, REPAIR, AND/OR REPLACE ANY EXISTING SEDIMENT CONTROL DEVICES ENCOUNTERED AND DISTURBED DURING THE COURSE OF CONSTRUCTION. AT THE END OF EACH DAY, ALL MEASURES AND DEVICES SHALL BE REPAIRED OR REPLACED BEFORE LEAVING THE WORK SITE.
- CONSTRUCTION SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION ON THE APPROVED EROSION AND SEDIMENT CONTROL DRAWING.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES.
- NUMERICALLY WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- UNLESS OTHERWISE NOTED, DIMENSIONS FROM CURB ARE MEASURED AT FACE OF CURB.
- REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.
- ALL GRADING AND EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S REPORT PREPARED BY GEO-TECHNOLOGY ASSOCIATES, INC. DATED 06/18/2003. AND INSPECTED BY A GEOTECHNICAL ENGINEER.
- FINISHED GRADES SHALL FALL AWAY FROM EXISTING AND PROPOSED BUILDINGS AT A MINIMUM OF 1/4 INCH PER FOOT FOR VEGETATED AREAS AND A MINIMUM OF 1/8 INCH PER FOOT FOR PAVED AREAS UNLESS OTHERWISE INDICATED.
- CONSTRUCTION OF SUBGRADE, UNDERDRAINS, AND PAVING SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES, AS NECESSARY. REPORT ANY DISCREPANCIES FROM THE PLANS TO BOHLER ENGINEERING, P.C. ALL UTILITIES SHALL BE RETAINED UNLESS LABELED OTHERWISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST AND WORK REQUIRED TO ADJUST EXISTING AND PROPOSED UTILITIES AND APPURTENANCES TO FINISH GRADES WITHIN THE LIMITS OF WORK. DAMAGE TO EXISTING CONDITIONS AND UTILITIES SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL HAVE ALL PRIVATE UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.
- EXISTING UTILITIES WHICH ARE NOT TO BE REMOVED OR ABANDONED SHALL REMAIN OPERATIONAL AT ALL TIMES. APPROPRIATE EXISTING UTILITIES SHALL REMAIN IN SERVICE UNTIL REPLACEMENT/RELOCATED UTILITIES ARE OPERATIONAL. IF ANY INTERRUPTION OF A UTILITY SERVICE IS ANTICIPATED, NOTIFY AFFECTED ACCOUNT HOLDERS IN ACCORDANCE WITH THE GUIDELINES OF THE RESPECTIVE UTILITY COMPANY.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL UTILITIES TO AVOID CONSTRUCTION PROBLEMS/CONFLICTS WITH EROSION AND SEDIMENT CONTROL MEASURES. SEE APPROVED SEDIMENT CONTROL PLAN.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WATER, SEWER, AND DRAIN HOUSE CONNECTIONS WITH THE MECHANICAL DRAWINGS.
- THE CONTRACTOR SHALL MAINTAIN 2.0 FEET MINIMUM COVER OVER ALL UTILITIES DURING CONSTRUCTION.
- ELECTRIC, TELEPHONE, GAS, CABLE, LIGHTING, AND RETAINING WALLS TO BE DESIGNED BY OTHERS. WHERE THOSE FACILITIES ARE SHOWN, THEY ARE FOR COORDINATION PURPOSES ONLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK NOT SPECIFICALLY MENTIONED ON THE PLANS WHICH NORMALLY WOULD BE REQUIRED TO COMPLETE THE PROJECT.
- ALL UTILITY CONNECTIONS ARE TO BE AS PER LOCAL CODE BY GENERAL CONTRACTOR
- GENERAL CONTRACTOR TO PROVIDE CONDUIT & WIRING TO ALL I.D. SIGNS
- UNLESS OTHERWISE NOTED, ALL PAINT TO BE FURNISHED BY GENERAL CONTRACTOR
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND CONSTRUCTION AS SHOWN ON PLANS UNLESS OTHERWISE NOTED.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/18/04 DATE
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
[Signature] 10/22/04 DATE
 CHIEF-DIVISION & LAND DEVELOPMENT
[Signature] 10/20/04 DATE
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/18/04 DATE
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
OWNER		DEVELOPER
HOPKINS ROAD LIMITED PARTNERSHIP		EXXON MOBIL CORPORATION
9030 RED BRANCH ROAD		C/O TRAMMEL CROW COMPANY
SUITE 200		3225 CALLOWS ROAD, ROOM 5W218
COLUMBIA, MD 21045-2055		FAIRFAX, VA 22037

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE: DIMENSIONED SITE PLAN

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 8110 GLENKENSLEY COURT, SUITE 300, TOWSON, MD 21286
 4100 661-7000 FAX: 410-661-7091 WWW.BOHLENERG.COM

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 4 OF 17

MISS UTILITY



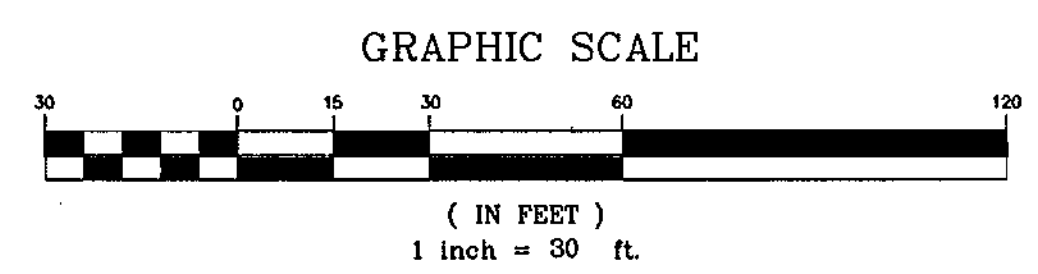
BEFORE YOU DIG CALL 1-800-257-7777 PROJECT YOURSELF ONE TWO WORKING DAYS NOTICE

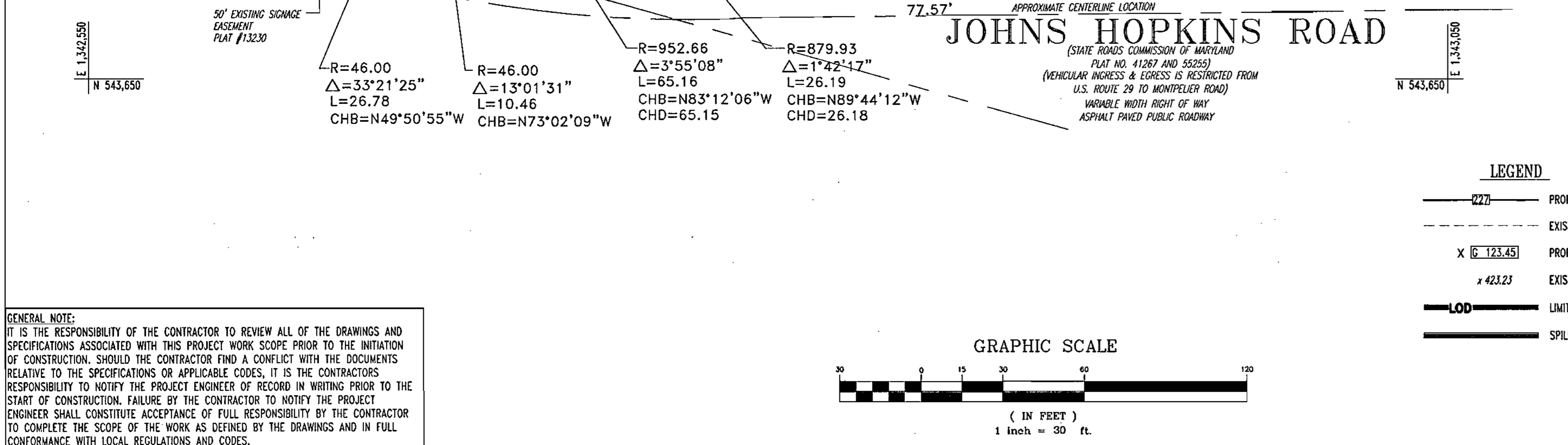
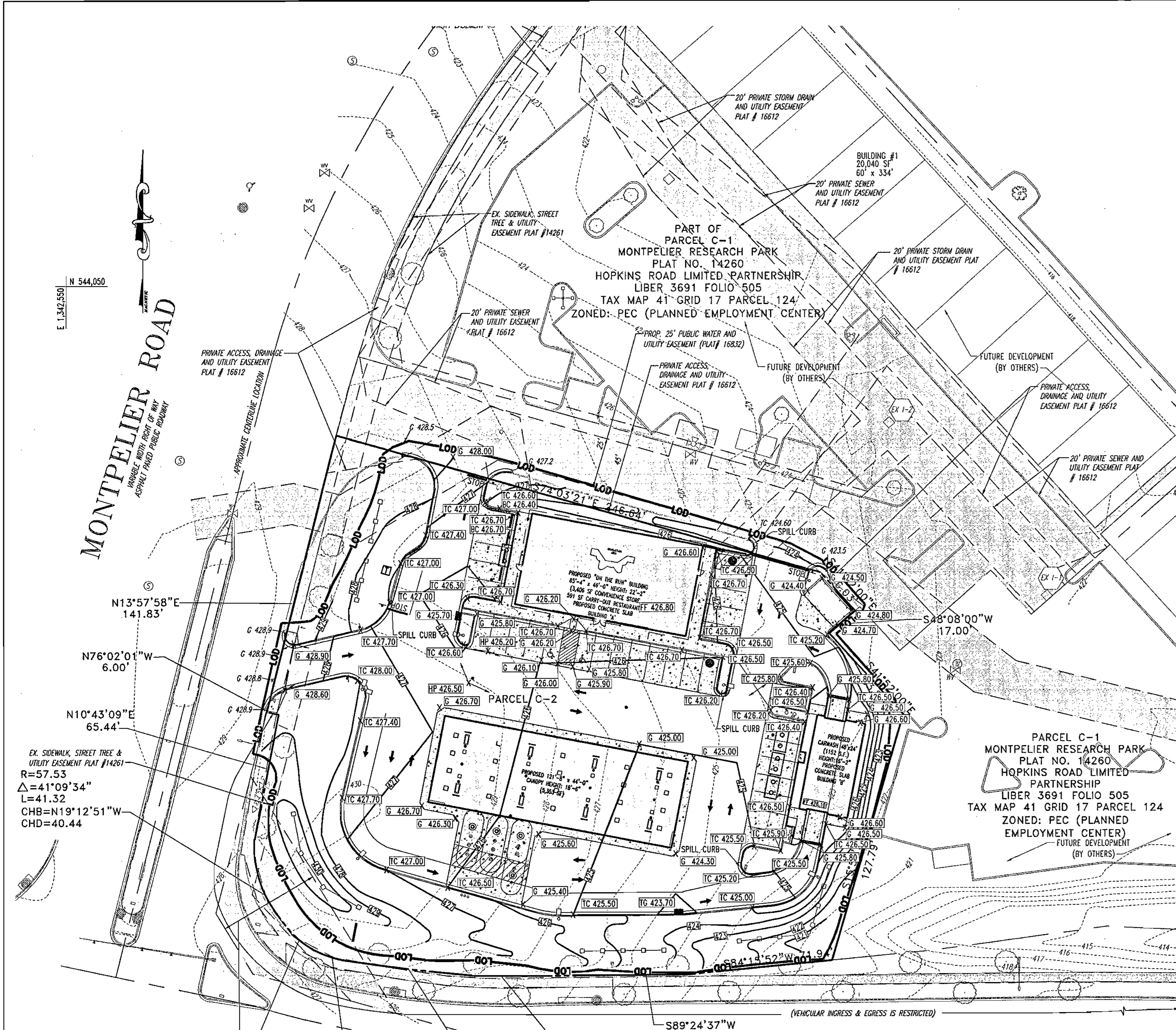
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 THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

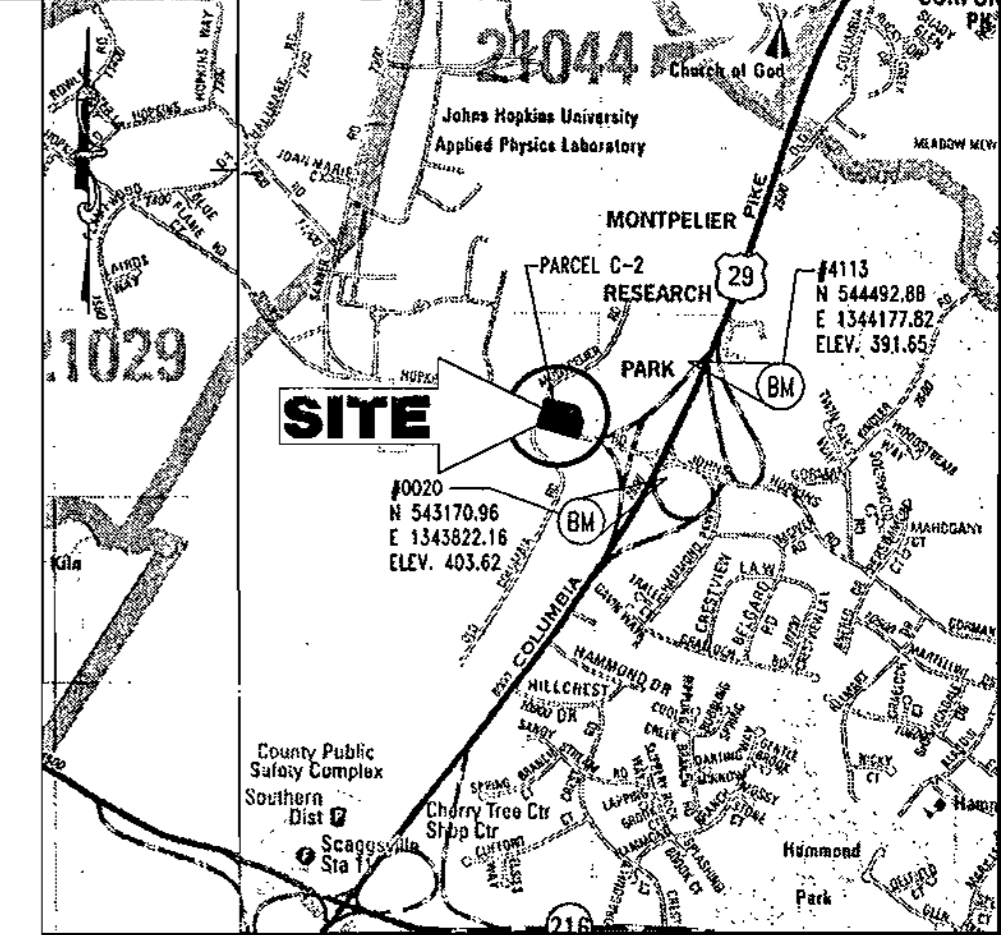
PERMIT INFORMATION CHART			
PROJECT NAME	SECTOR/AREA	TAX MAP NO.	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	41	C2/124
PLAT RECORDATION	BLOCK#	ZONING	CENSUS TRACT
16832	17	PEC	8051.02
WATER CODE	SEWER CODE		
E21	6440000		

GENERAL NOTE:
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- GRADING NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHY AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 0.75% MIN. SLOPE AGAINST ALL GUTTERS TO PREVENT PONDING. ANY DISCREPANCIES SHALL BE PROVIDED TO THE ENGINEER IN WRITING IMMEDIATELY.
 - SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED TO 95% OPTIMUM DENSITY (AS DETERMINED BY MODIFIED PROCTOR METHOD).
 - SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND STANDARDS OF THE LOCAL AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER A.S.T.M. TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED, LICENSED, SOILS ENGINEER, CERTIFYING THAT THE SUBBASE WITHIN THE AREAS TO BE PAVED HAS BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS.
 - 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 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 WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
 - LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICES CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST POINTS. CROSSINGS WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - ALL SPOT SHOTS ON PROPOSED CURBS ARE TAKEN FROM TOP OF CURB AND ARE TO BE 6" TO BOTTOM OF CURB UNLESS OTHERWISE NOTED.
 - SITE AREA: 1.50 AC.
 - DISTURBED AREA: 1.57 AC.
 - OWNER: HOPKINS ROAD LIMITED PARTNERSHIP
9030 RED BRANCH ROAD, SUITE 200
COLUMBIA, MD 21045-2055
 - THESE PLANS ARE BASED ON THE MARYLAND COORDINATE SYSTEM (MCS) AND THE NORTH VERTICAL DATUM OF 1988 (NAV88S).
 - STORMWATER MANAGEMENT IS PROVIDED VIA A REGIONAL FACILITY CONSTRUCTED FOR THE MONTPELIER RESEARCH PARK.

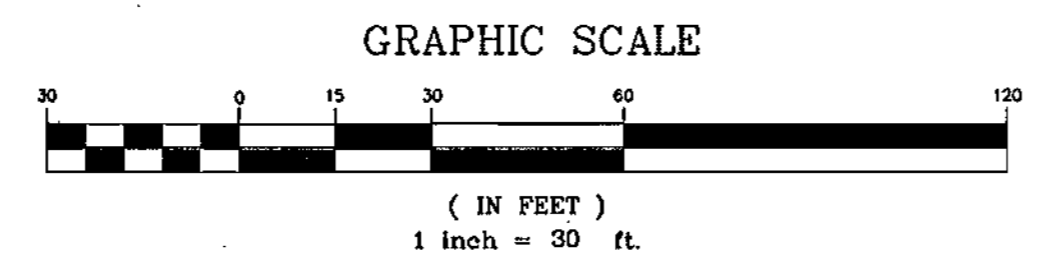


LOCATION MAP
 COPYRIGHT ADC THE MAP PEOPLE
 PERMIT USE NO. 20694276
 SCALE: 1"=2000'

BENCHMARK INFORMATION

HOWARD COUNTY BENCHMARK NO. 0020 ELEVATION: 403.62 N 545170.96 E 1343822.16	HOWARD COUNTY BENCHMARK NO. 4115 ELEVATION: 391.65 N 544492.88 E 1344177.82
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GENERAL NOTE:
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LEGEND

	PROPOSED GRADE
	EXISTING GRADE
	PROPOSED SPOT
	EXISTING SPOT
	LIMIT OF DISTURBANCE
	SPILL CURB

MISS UTILITY



BEFORE YOU DIG CALL
 1-800-393-7777
 PROTECT YOURSELF. ONE TWO WORKING DAYS NOTICE

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THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION	BLOCK#	ZONING	TAX MAP NO.
16832	17	PEC	41
WATER CODE		ELECT. DISTR	CENSUS TRACT
E21		5	6051.02
		SEWER CODE	
			6440000

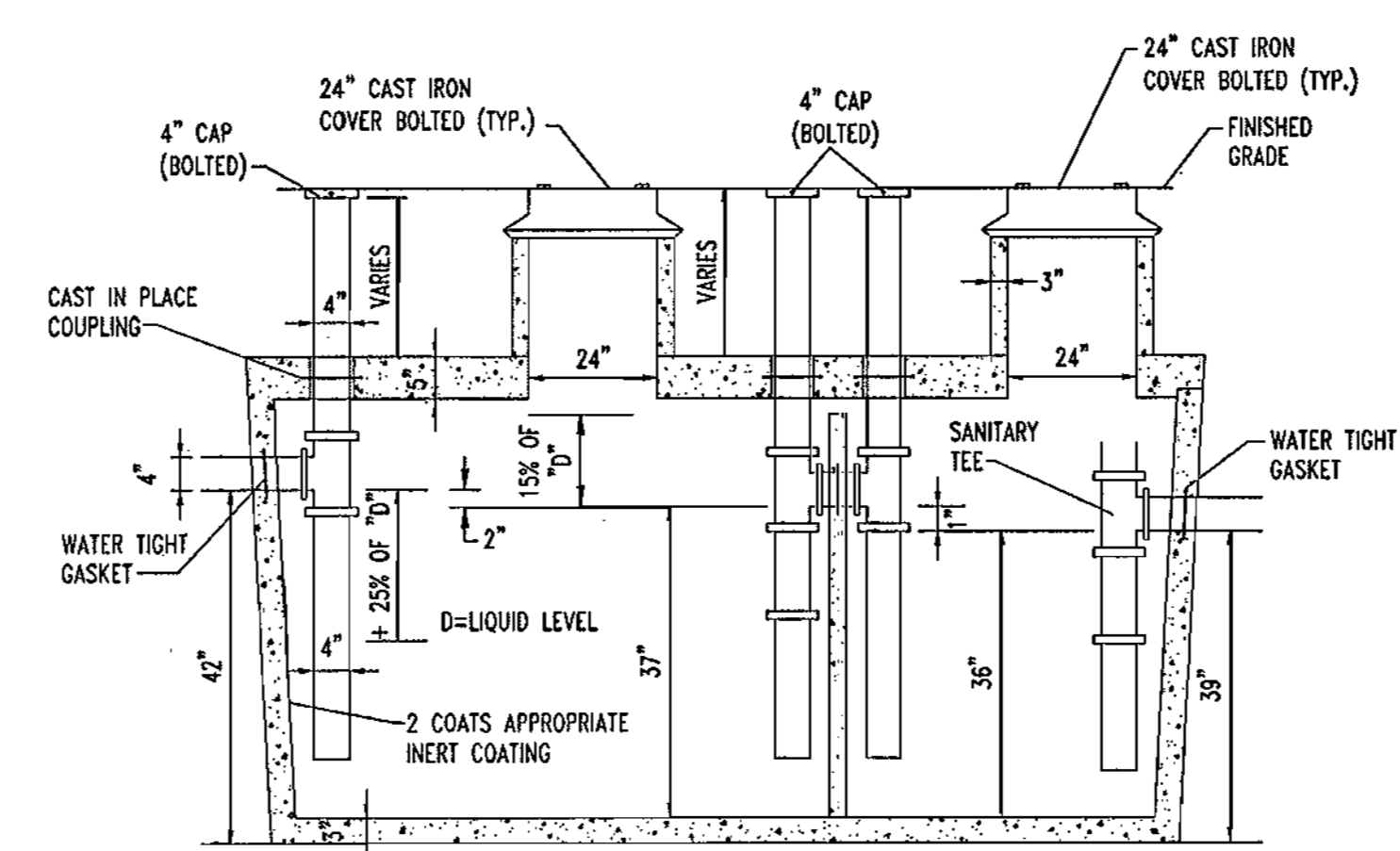
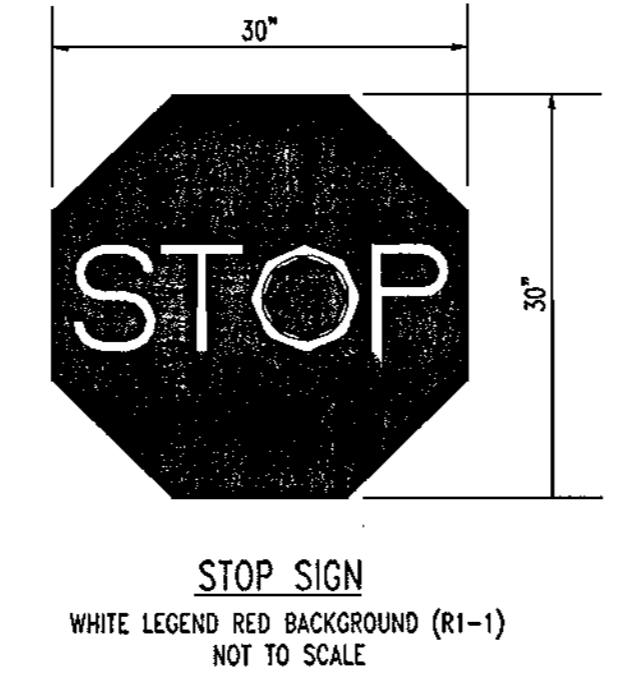
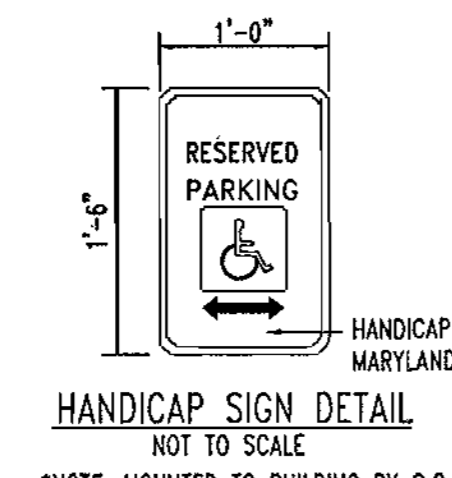
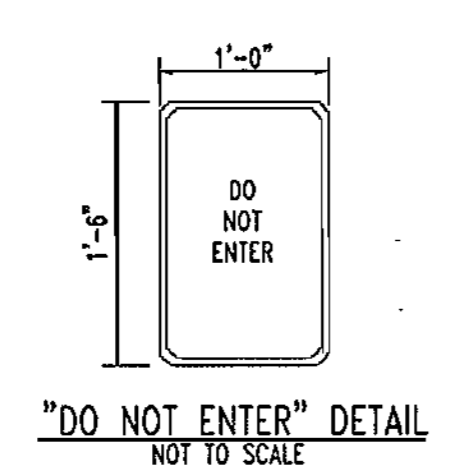
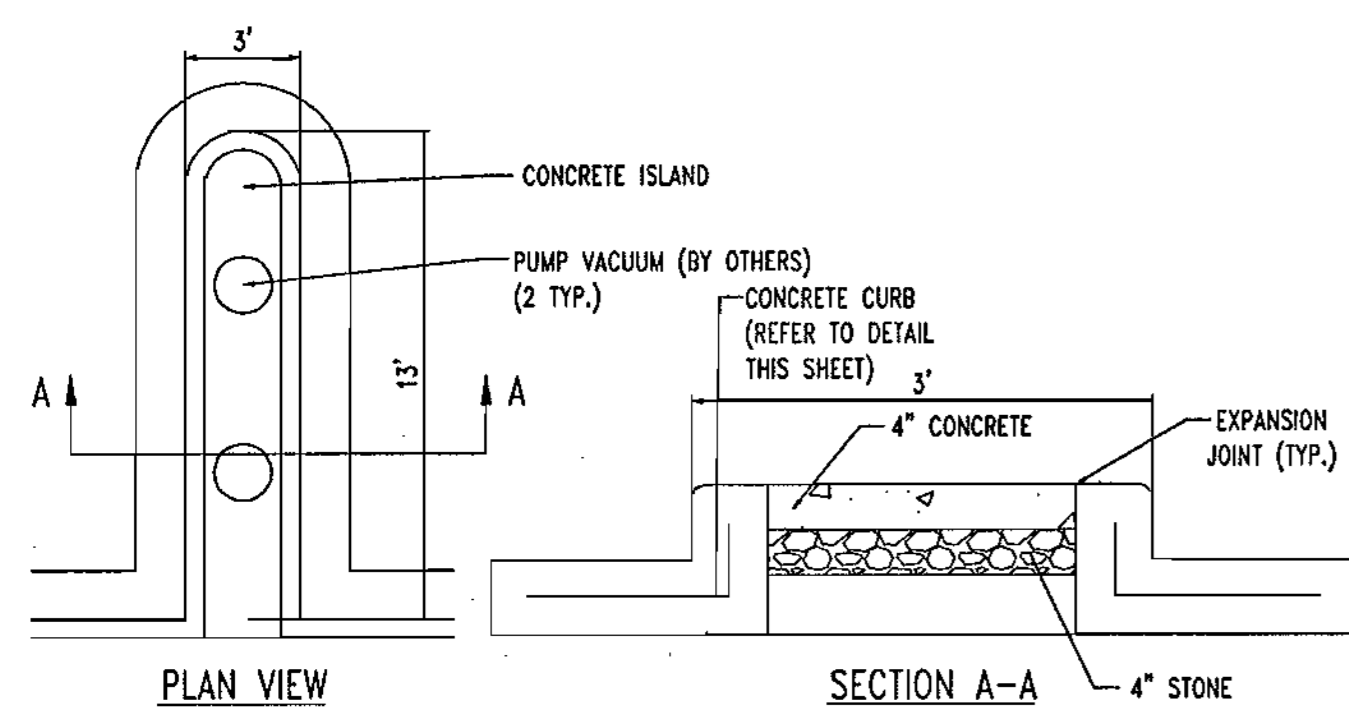
APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/13/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
[Signature] 10/20/04
 CHIEF-DIVISION & LAND DEVELOPMENT
[Signature] 10/20/04
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/13/04
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
OWNER	DEVELOPER	
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037	
PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION		
AREA: TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND		
TITLE: GRADING PLAN		

BOHLER ENGINEERING, P.C.
 *PROFESSIONAL ENGINEERING SERVICES
 #210 GLENHARBOR COUNTY CENTER SUITE 300, TOWSON, MD 21286*
 410 821-7000 FAX (410) 821-7987 | WWW.bohlereng.com

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 5 OF 17



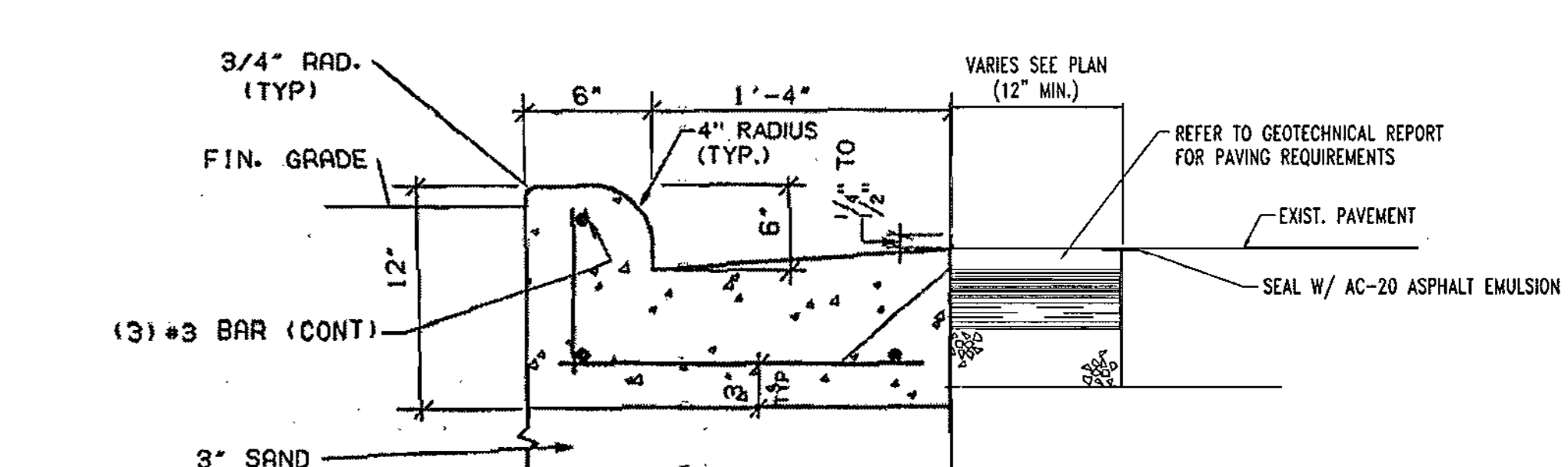
ALL INLET AND OUTLET PIPES SHALL BE INSTALLED NO MORE THAN 12" FROM THE BOTTOM OF THE GREASE TRAP.

TANK TAPERS TOP TO BOTTOM AND IS TRAPEZOIDAL IN CROSS SECTION.

TANK IS 4000 PSI CONCRETE-STEEL REINFORCED CONCRETE CONFORMS TO ACI 318-16-4.5.1 AND 318-16-4.5.2

-DIMENSION: 11'0" x 5'6" x 52" D (EXTERNAL DIMENSIONS)

-NOTE: WHEN LOCATED IN DRIVEWAYS OR PAVED AREAS, GREASE TRAP TO BE DESIGNED FOR APPROPRIATE LOAD BEARING CONDITIONS.



TRANSVERSE JOINTS 3/4" WIDE SHALL BE INSTALLED IN THE CURB 20" APART AND SHALL BE FILLED WITH CELLULAR COMPRESSION MATERIAL AS SPECIFIED RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB.

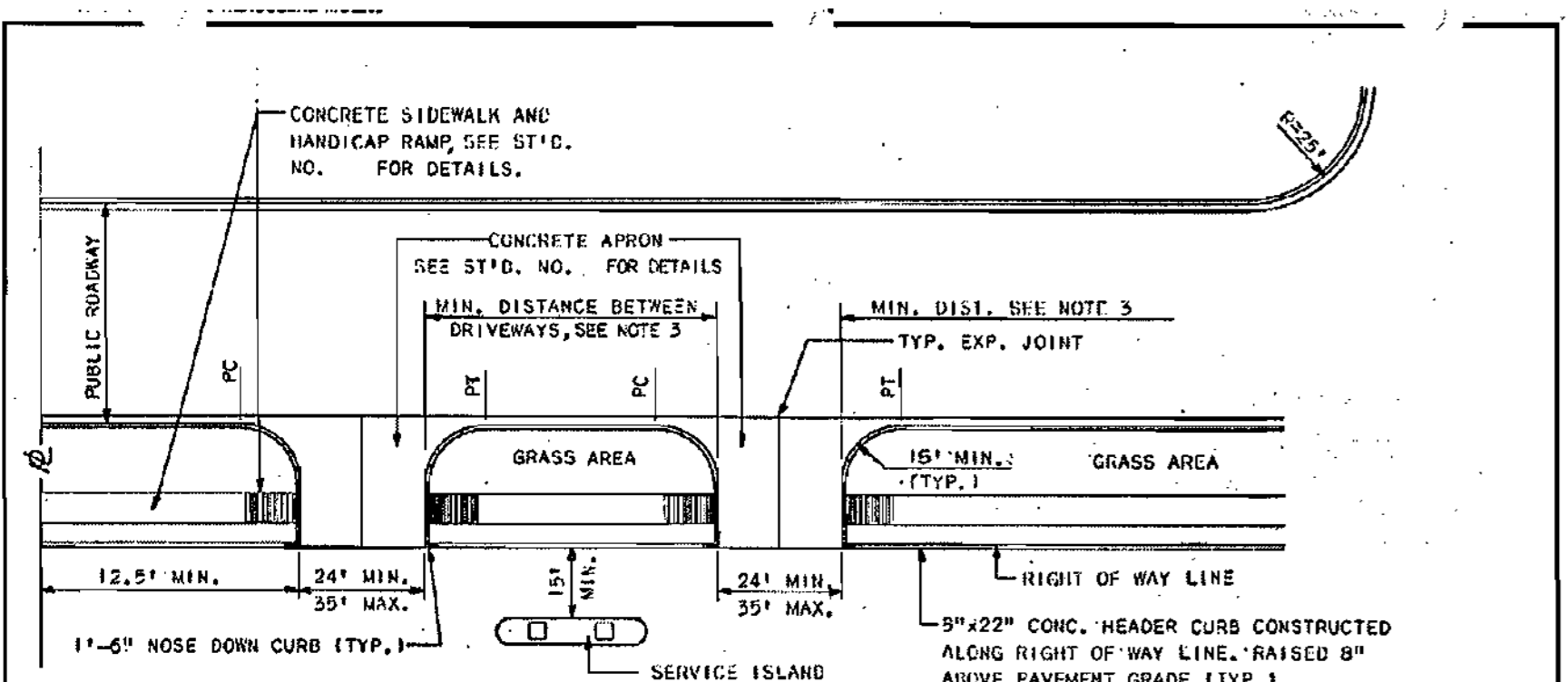
VACUUM ISLAND DETAIL NOT TO SCALE

HANDICAP SIGN DETAIL NOT TO SCALE

STOP SIGN WHITE LEGEND RED BACKGROUND (R1-1) NOT TO SCALE

GREASE TRAP NOT TO SCALE

CONCRETE CURB DETAIL NOT TO SCALE



NOTES:

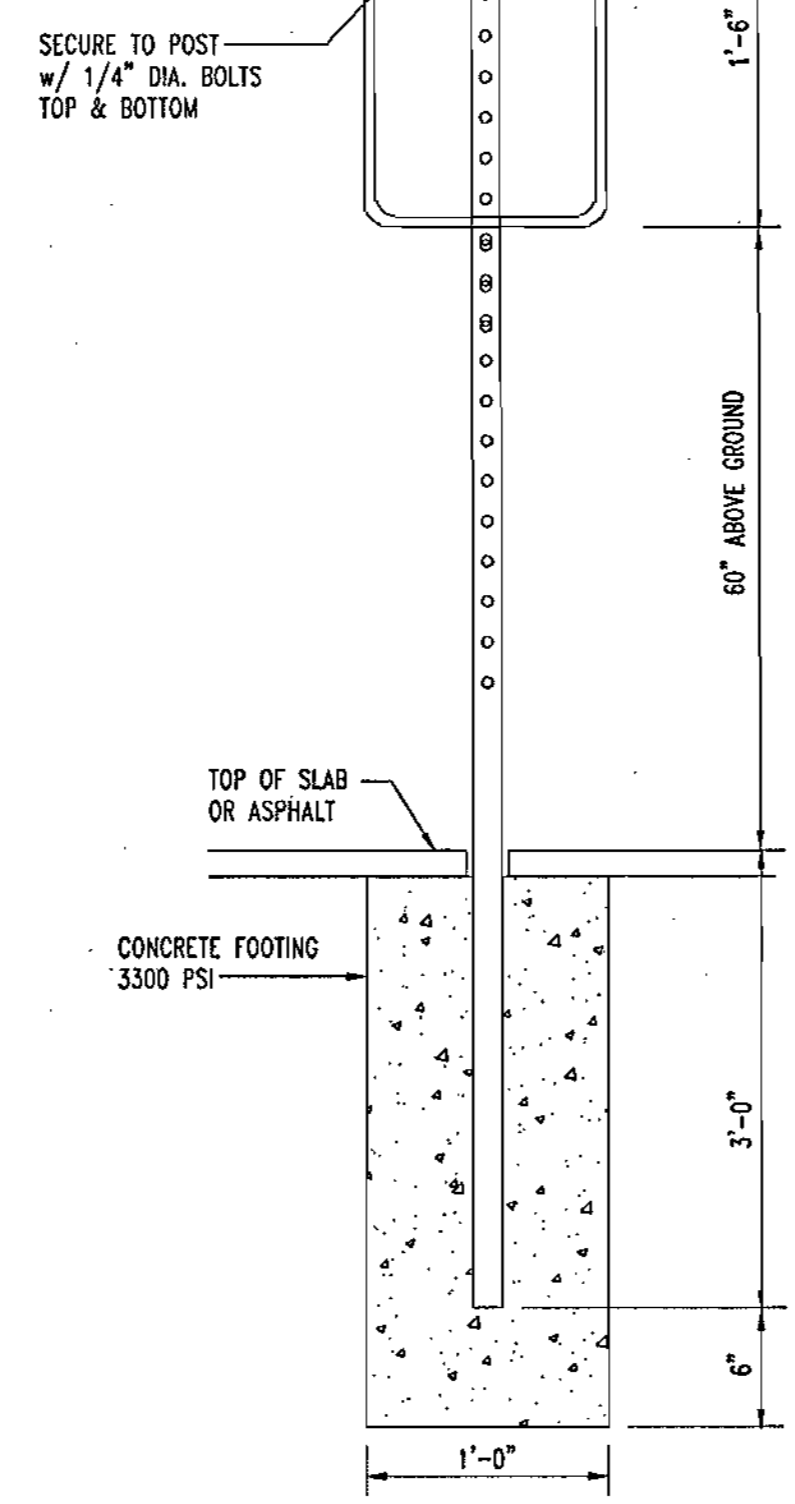
- ANGLE OF INTERSECTION SHALL BE 90° UNLESS OTHERWISE APPROVED BY D.P.W.
- AT AN INTERSECTION OF TRAFFIC WAYS, THE PUBLIC RIGHT OF WAY LINES SHALL BE TRUNCATED BY STRAIGHT LINES JOINING THE POINTS ON THE RIGHT OF WAY LINE. SEE SECTION 16-113, PARAGRAPHS OF SUB-DIVISION REGULATIONS. ALL PERMANENT SIGN AND LIGHT FIXTURES SHALL BE CONFINED WITHIN THE PROPERTY LINE.
- SEE SECTION 2.6.4 OF THE DESIGN MANUAL FOR MINIMUM CORNER CLEARANCE AND DRIVEWAY SPACING.
- ALTERNATE TYPE CONCRETE APRON AS SHOWN ON STD. NO. MAY BE USED IN LIEU OF ARRANGEMENT SHOWN HEREON.

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: *[Signature]* 1-12-21
Chief-Dir. of Engr. Date

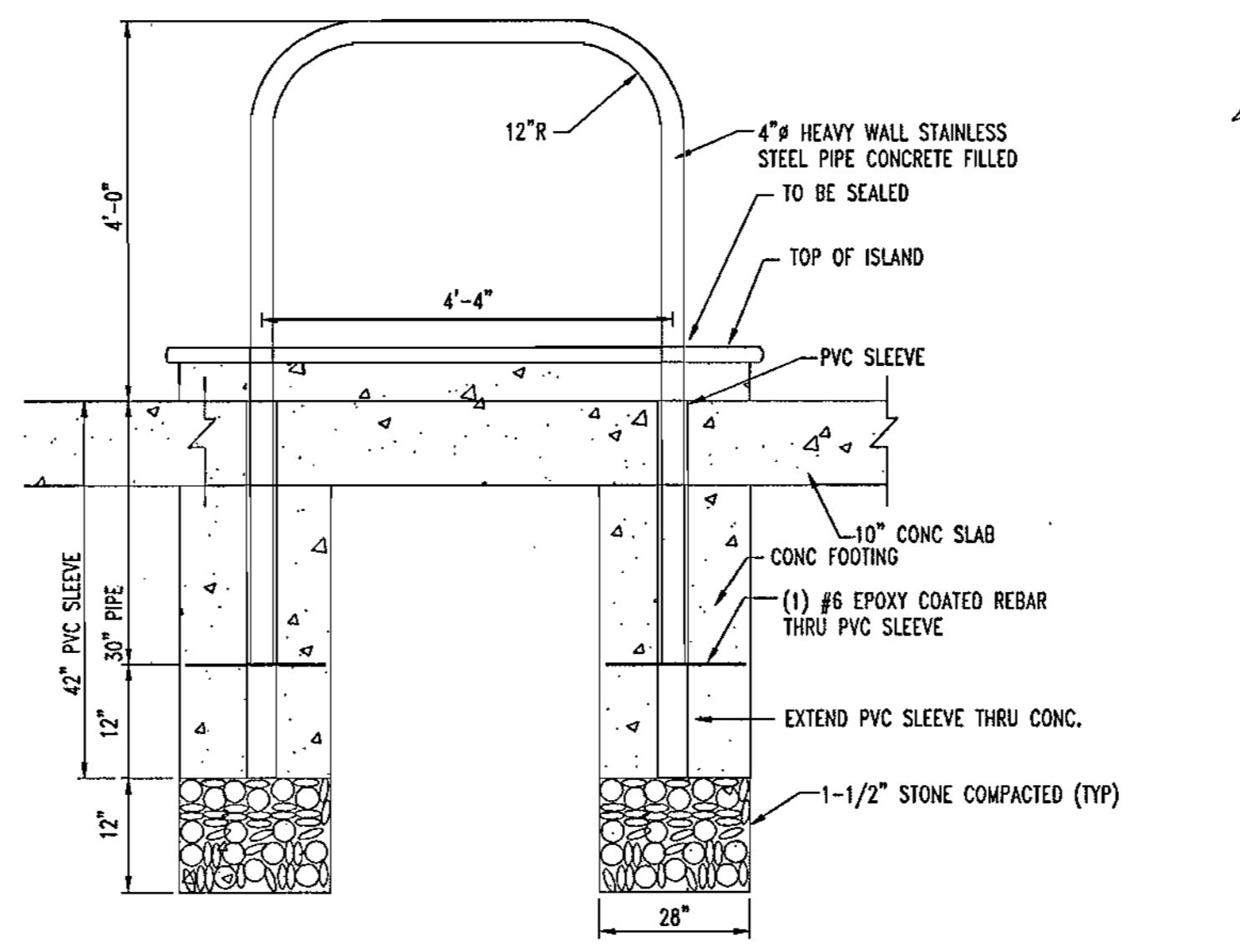
SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		FULL DEPTH BIT. CONC. ALTERNATE	GRANULAR BASE ALTERNATES
P-1	PARKING BAYS APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	1" BIT. CONC. SURFACE 4" BIT. CONC. BASE	1" BIT. CONC. SURFACE 2" BIT. CONC. BASE 4" GRADED AGGREGATE BASE (GAB)
P-2	RESIDENTIAL ZONES LOCAL CUL-DE-SAC STS. ALLEYS AND PRIVATE ROADS SERVING INDIVIDUAL LOTS	1 1/2" BIT. CONC. SURFACE 5" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 2 1/2" BIT. CONC. BASE 6" GRADED AGGREGATE BASE (GAB)
P-3	RESIDENTIAL ZONES MINOR AND MAJOR COLLECTORS COMMERCIAL-INDUSTRIAL ZONES LOCAL AND CUL-DE-SAC STREETS ALLEYS	1 1/2" BIT. CONC. SURFACE 1 1/2" BIT. CONC. BASE 5" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 1 1/2" BIT. CONC. BASE 4 1/2" BIT. CONC. BASE 5" GRADED AGGREGATE BASE (GAB)
P-4	COMMERCIAL-INDUSTRIAL ZONES MINOR COLLECTOR	1 1/2" BIT. CONC. SURFACE 3 1/2" BIT. CONC. BASE 5" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 1 1/2" BIT. CONC. BASE 5" BIT. CONC. BASE 4" GRADED AGGREGATE BASE (GAB)

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: *[Signature]* 1-12-21
Chief-Dir. of Engr. Date

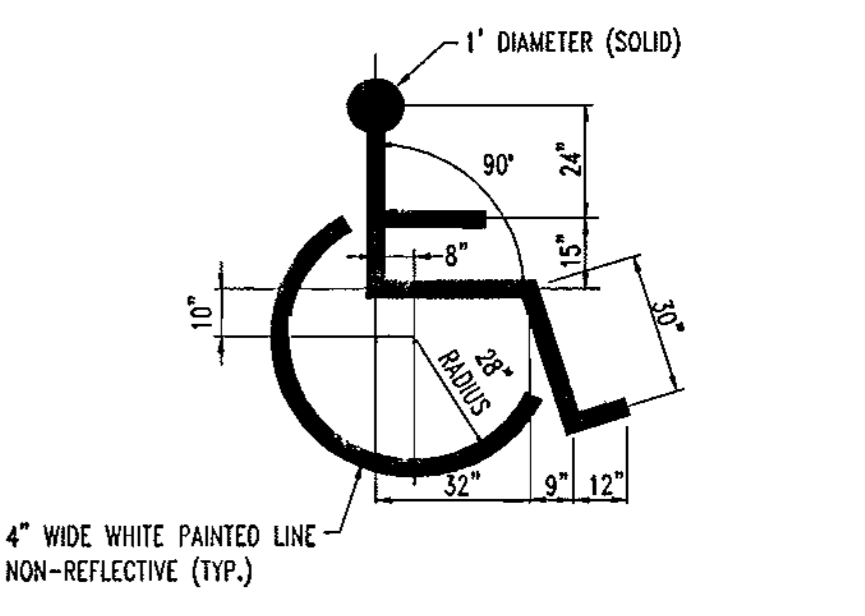
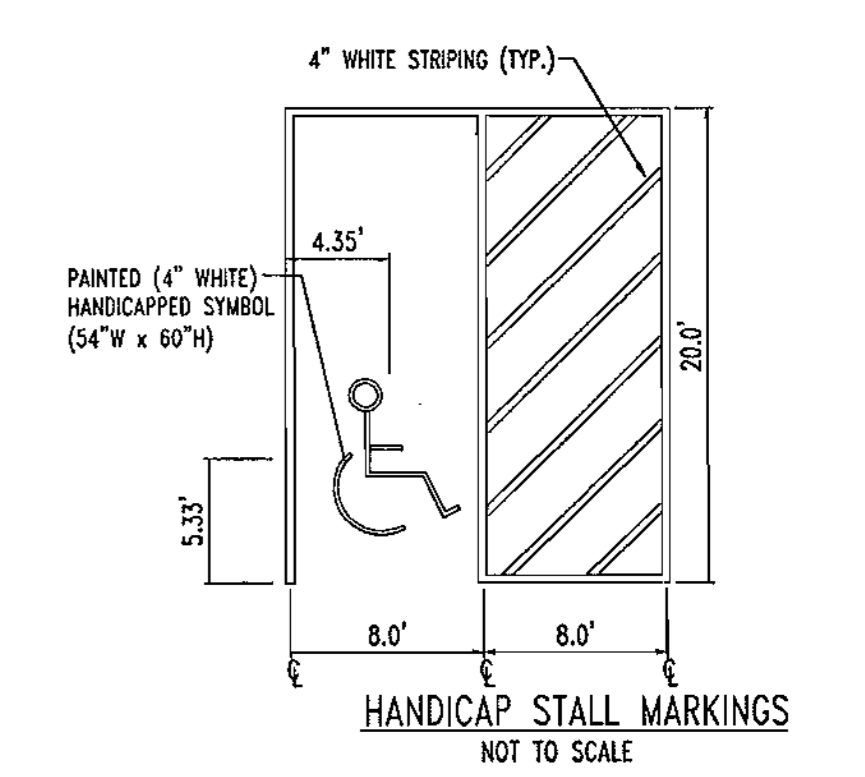
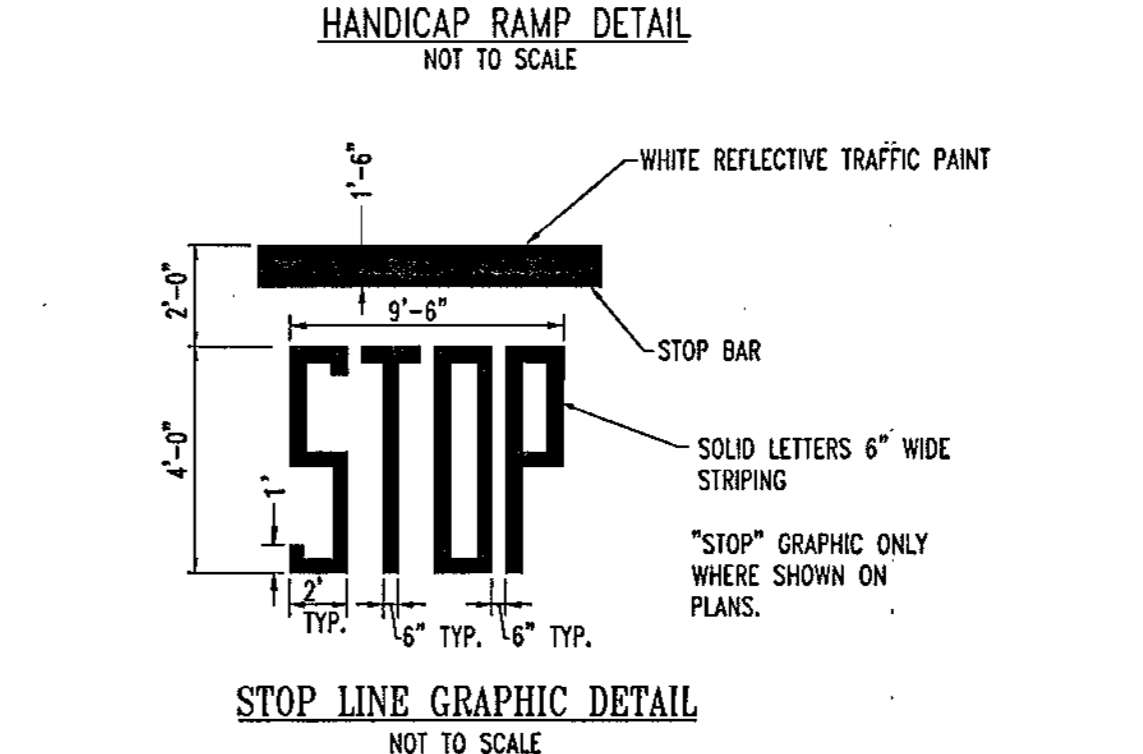
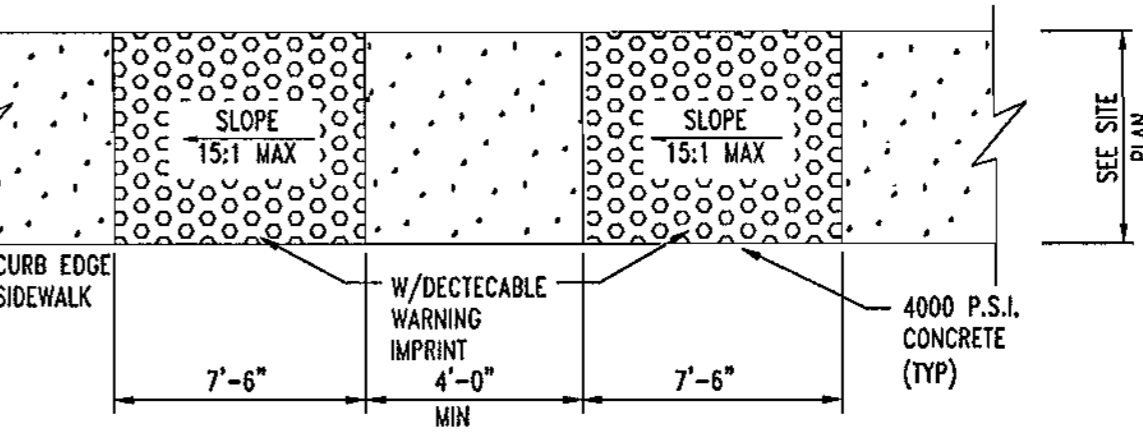
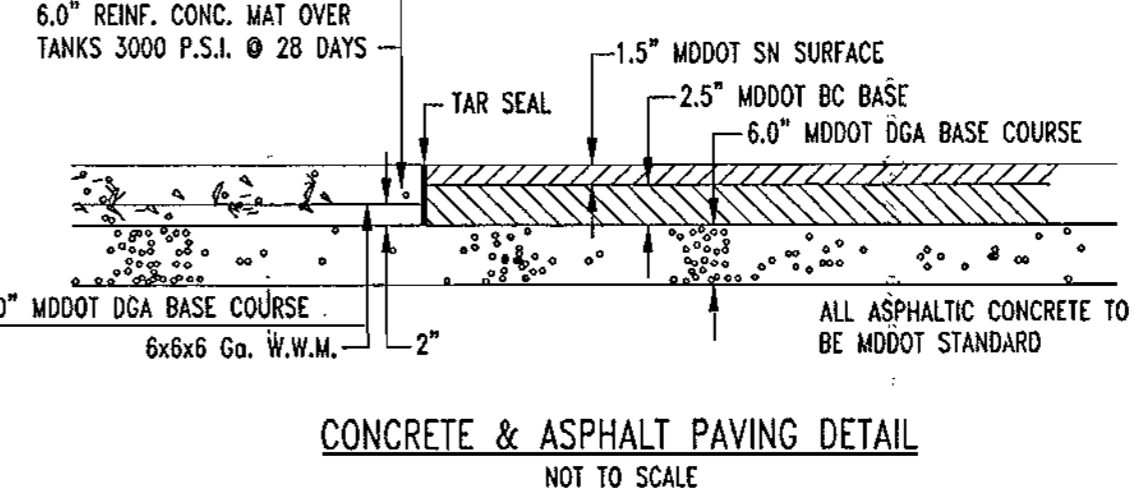
GENERAL NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS THE CONTRACTORS 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.



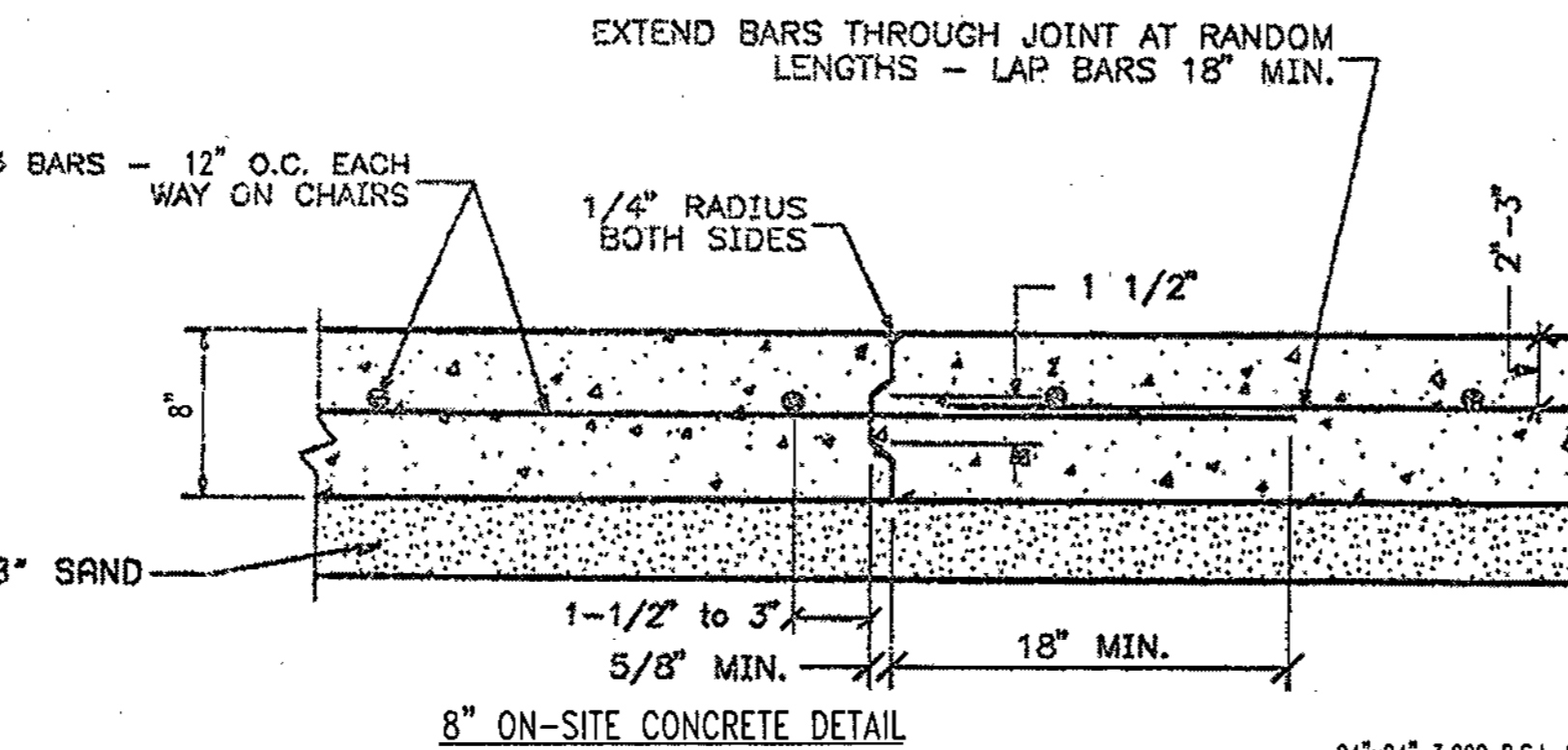
POLE MOUNTED SIGN DETAIL FOR DIRECTIONAL SIGNS ONLY ADVERTISING IS NOT PERMITTED NOT TO SCALE



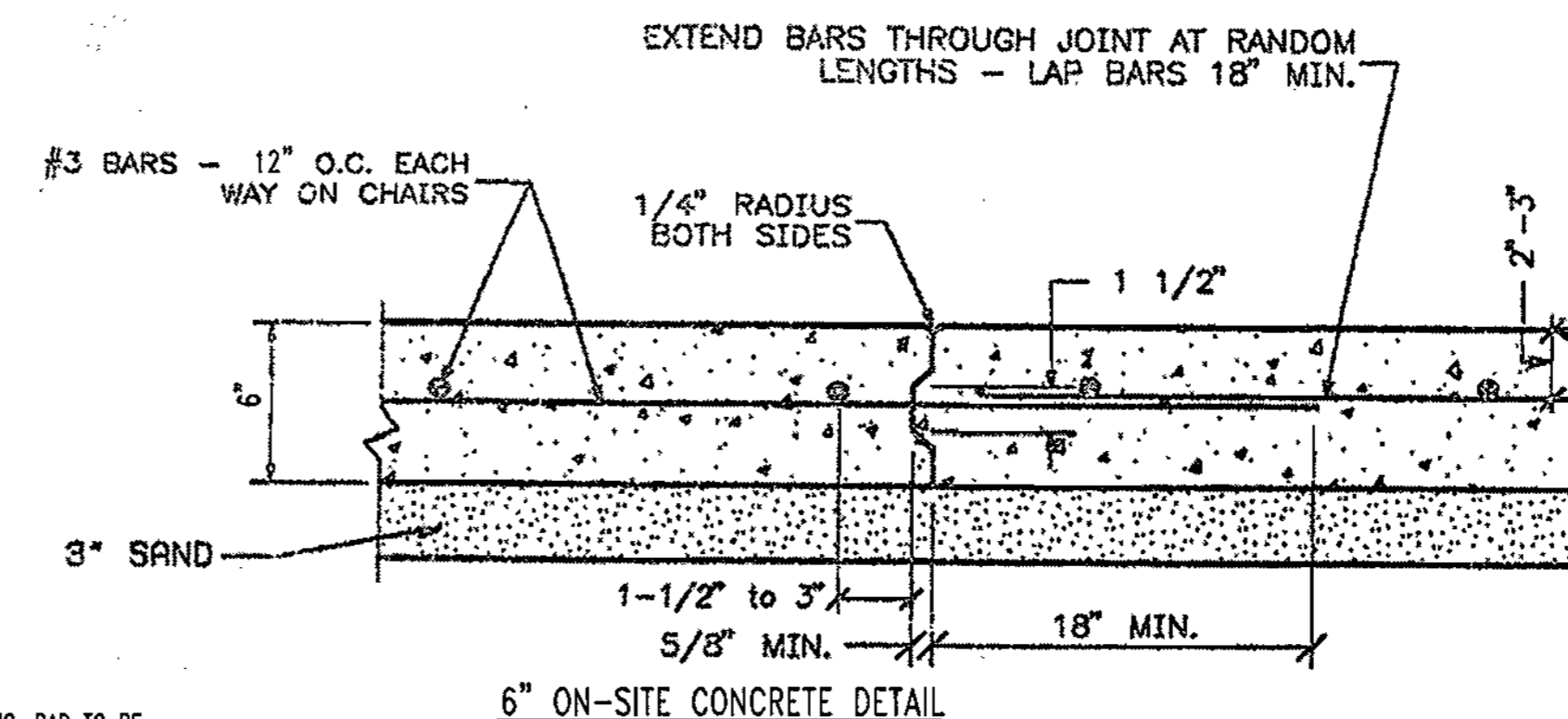
ARCHED PIPE BOLLARD DETAIL NOT TO SCALE



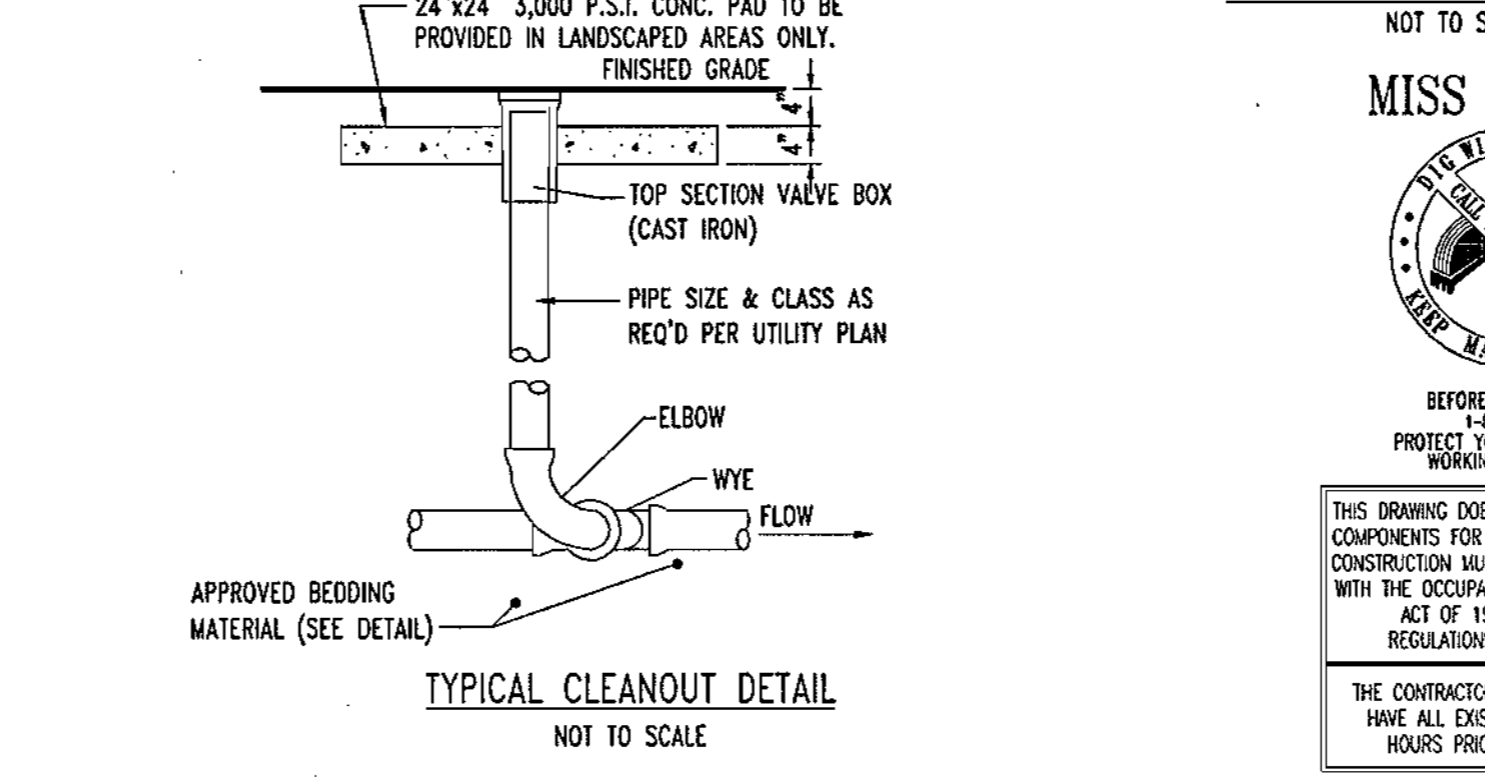
HANDICAP SYMBOL DETAIL NOT TO SCALE



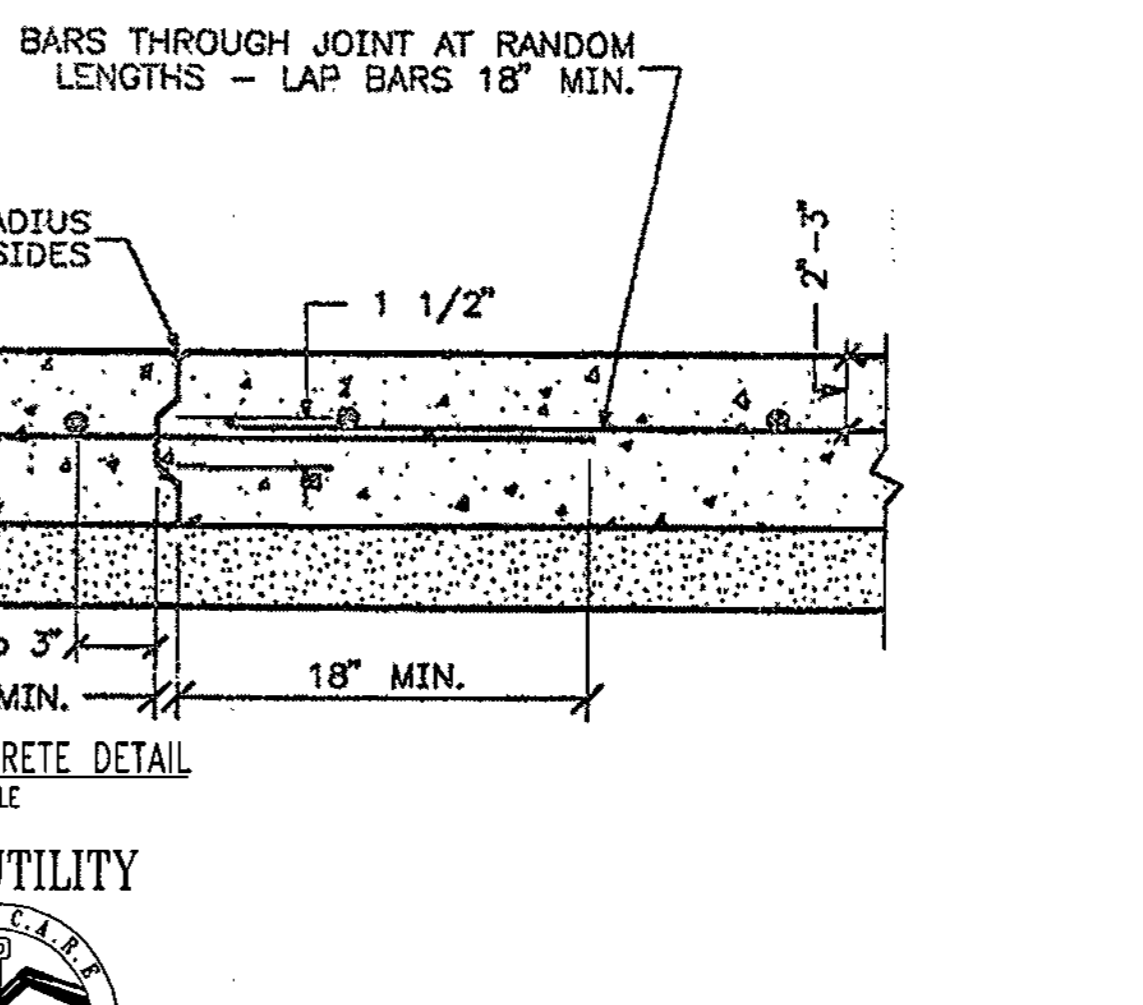
8" ON-SITE CONCRETE DETAIL NOT TO SCALE



6" ON-SITE CONCRETE DETAIL NOT TO SCALE



TYPICAL CLEANOUT DETAIL NOT TO SCALE



MISS UTILITY NOT TO SCALE

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	DATE
EXXON MOBIL GAS STATION	N/A	C2/124	2/17/24
PLAT REGISTRATION	BLOCK #	ZONING	TAX MAP NO.
18832	17	PEC	41
WATER CODE	ELECT. DISTR.	CENSUS TRACT	SEWER CODE
E21	5	6051.02	6440000

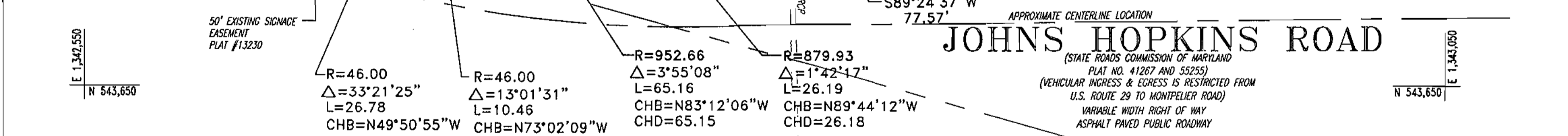
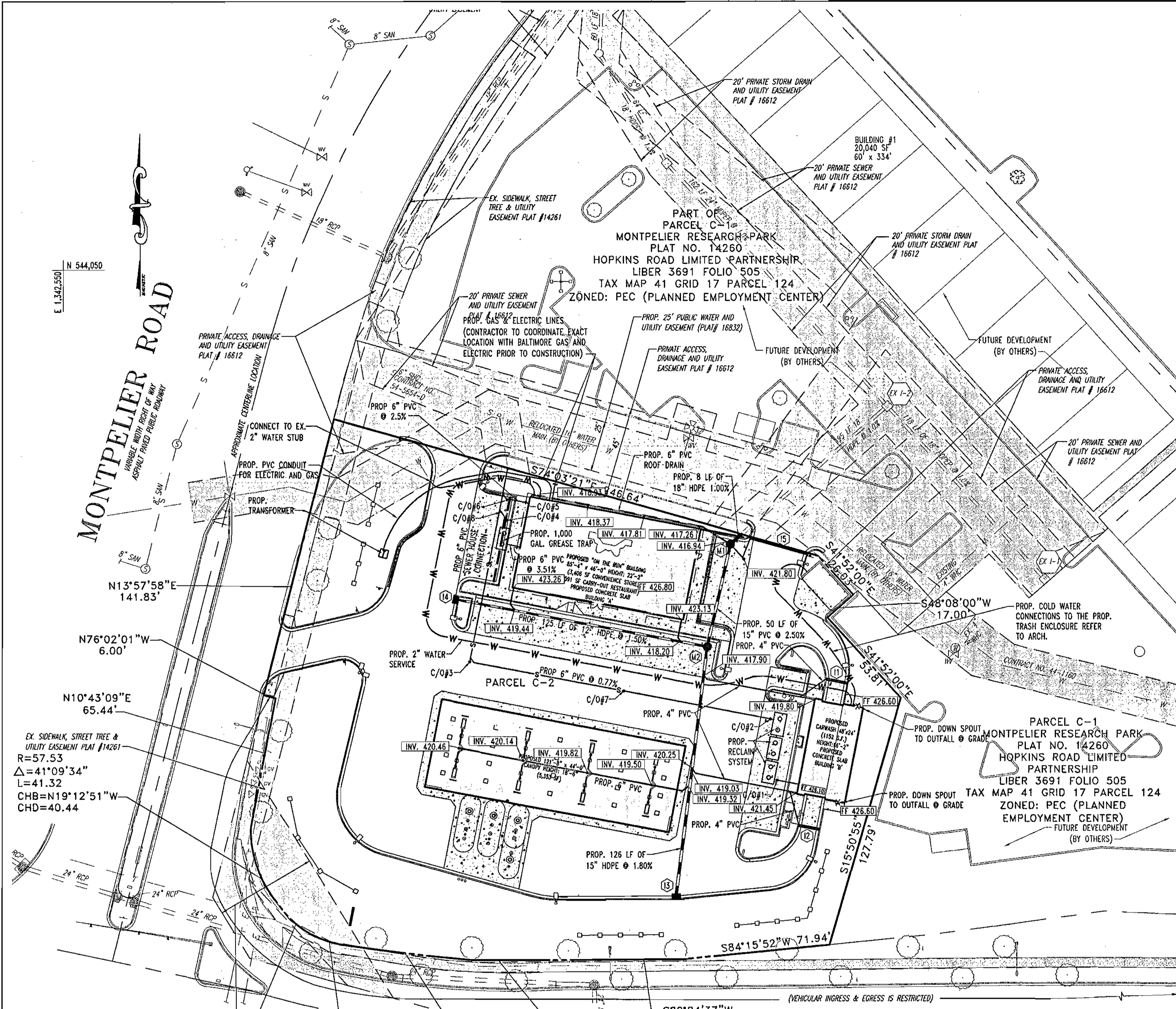
APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF-DEVELOPMENT ENGINEERING DIVISION
[Signature] 10/12/24
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
COUNTY HEALTH OFFICER
[Signature] 10/15/24
DATE

NO.	DATE	REVISION DESCRIPTION
OWNER	DEVELOPER	
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037	
PROJECT	EXXON MOBIL PROPOSED EXXON GAS STATION	
AREA	TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND	
TITLE	SITE DETAILS	

Bohler ENGINEERING, P.C.
PROFESSIONAL ENGINEERING SERVICES
8110 GLENMABLES COURT, SUITE 300, TOWSON, MD 21286
(410) 251-7000 FAX (410) 251-7001

DESIGNED BY: J.J.U.
DRAWN BY: R.L.B.
PROJECT NO.: MD034006
DATE: 2/17/24
SCALE:
DRAWING NO. 6 OF 17

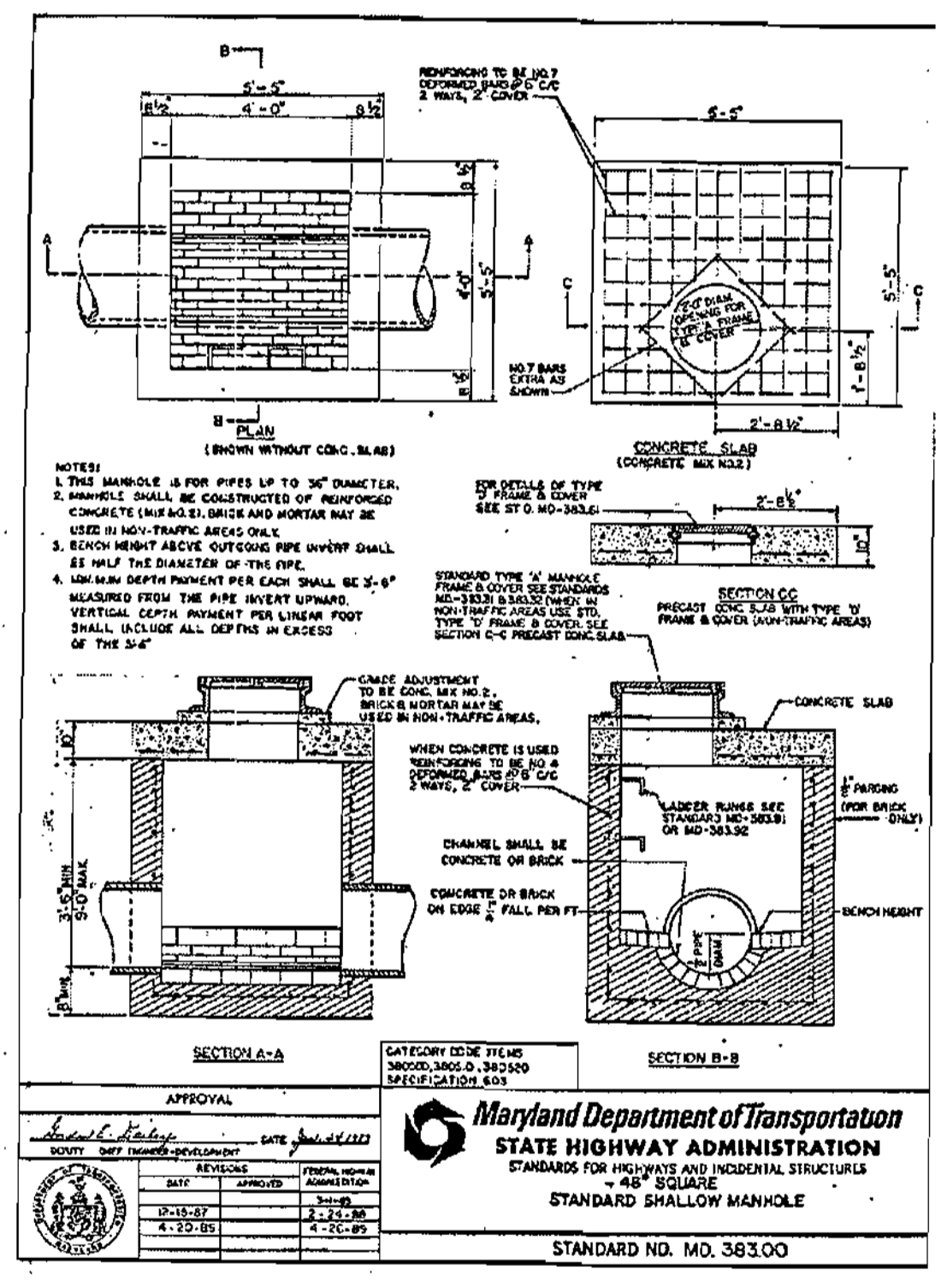
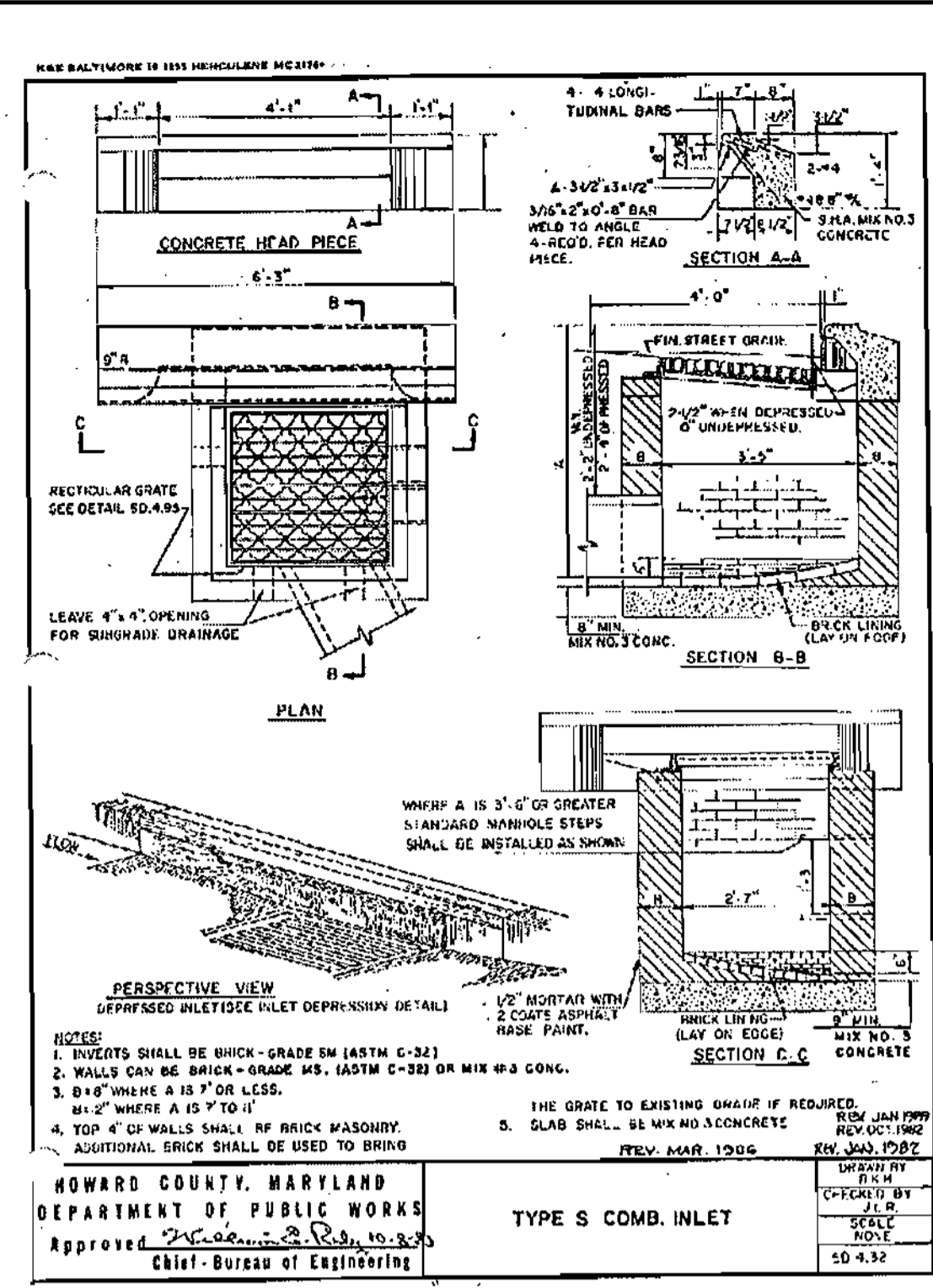


JOHNS HOPKINS ROAD
 (STATE ROADS COMMISSION OF MARYLAND
 PLAT NO. 41267 AND 55255)
 (VEHICULAR INGRESS & EGRESS IS RESTRICTED FROM
 U.S. ROUTE 29 TO MONTPELIER ROAD)
 VARIABLE WIDTH RIGHT OF WAY
 ASPHALT PAVED PUBLIC ROADWAY

STRUCTURE SCHEDULE

STRUCTURE NO.	DESCRIPTION	INV. IN	INV. IN	INV. IN	INV. OUT	TOP ELEV.
I1	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	424.30	425.80
I2	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	424.00	425.80
I3	HOWARD COUNTY STD. S04.32	-	-	-	419.55	423.70
I4	HOWARD COUNTY STD. S04.32	-	-	-	419.51	425.70
M1	MARYLAND STATE HIGHWAY STD. S83.00	15"	6"	6"	415.94	425.50
		416.04	416.94	421.50		
M2	MARYLAND STATE HIGHWAY STD. S83.00	15"	12"	-	417.29	426.00
		417.39	417.64			
I5	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	422.00	VARIES

GRAPHIC SCALE
 (IN FEET)
 1 inch = 30 ft.



- UTILITY NOTES:**
- LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICES CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST POINTS. CROSSINGS WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - A MINIMUM VERTICAL SEPARATION OF 12" SHALL BE MAINTAINED BETWEEN SANITARY SEWER LINES AND STORM LINES OR WATER LINES. IF THIS MINIMUM CLEARANCE CANNOT BE MAINTAINED, A CONCRETE ENCASEMENT SHALL BE PROVIDED.
 - EXISTING UTILITIES HAVE BEEN SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND ALLOW FOR THEIR LOCATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE DONE DUE TO HIS NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT HIS EXPENSE.
 - ALL EXCAVATIONS THAT ARE DEEPER THAN 5 FEET SHOULD BE PROPERLY SLOPED OR OTHERWISE STRUCTURALLY RETAINED TO PROVIDED STABLE AND SAFE WORKING CONDITIONS. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS CALL FOR MINIMUM SLOPES OF 1H:1V. OSHA REQUIREMENTS MUST BE FOLLOWED AND ADEQUATE PROTECTION PROVIDED FOR WORKERS.
 - ANY SEDIMENT CONTROL MEASURES REMOVED FOR THE PURPOSE OF UTILITY CONSTRUCTION SHALL BE REPLACED AT THE END OF THE DAY BY THE UTILITY CONTRACTOR.
 - ALL STORM DRAIN, WATER, SEWER AND PRODUCT PIPING UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS FOR UTILITY CONSTRUCTION, AND CLIENT SPECIFICATIONS.
 - SANITARY CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE IDENTIFIED AS SANITARY CLEANOUTS, THREADED, AND CONTAIN COUNTERSUNK PLUGS.
 - WATER SERVICES SHALL HAVE A MINIMUM 3.5 FOOT COVER OVER CROWN OF PIPE.
 - WATER SERVICE SHALL BE TYPE "K" COPPER TUBING. SANITARY SEWER PIPE SHALL BE SDR 35 PVC. CERTAIN SECTIONS OF THE SERVICES REQUIRE SPECIAL PIPE TYPES WHICH ARE NOTED ON THE PLAN.
 - WATER AND SEWER SERVICES SHALL BE COORDINATED WITH THE BUILDING CONTRACTOR FOR HORIZONTAL AND VERTICAL ALIGNMENT AND CONNECTIONS.
 - PROPOSED 2" WATER METER SHALL BE LOCATED INSIDE THE BUILDING.

CLEANOUT SCHEDULE

C/O NO.	TYPE	INV.	TOP ELEV.
1	SANITARY	422.75	425.40
2	SANITARY	422.89	425.40
3	SANITARY	421.54	426.50
4	SANITARY	421.16	426.28
5	SANITARY	421.42	426.79
6	SANITARY	420.81	426.25
7	SANITARY	422.11	425.50
8	SANITARY	420.95	426.30

PIPE SCHEDULE

SIZE	DESCRIPTION	LENGTH
2"	COPPER TYPE "K"	494 LF
4"	SCHEDULE 40 PVC	176 LF
6"	SCHEDULE 40 PVC	633 LF
12"	HDPE	125 LF
15"	HDPE	170 LF
18"	HDPE	8 LF

NOTE: GREASE TRAP TO SERVE KITCHEN ONLY

CONTRACTOR TO TEST PIT LOCATIONS FOR VERIFICATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

MISS UTILITY



BEFORE YOU DIG CALL 1-800-393-7777 PROTECT YOURSELF. DIG TWO WORKING DAYS NOTICE

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.		
EXXONMOBIL GAS STATION	N/A	C2/124		
PLAT RECORDATION BLOCK #	ZONING	TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
18832	17	PEC	41	5
WATER CODE	SEWER CODE			
E21	6440000			

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERS DIVISION
 10/13/04
 10/22/04
 10/24/04

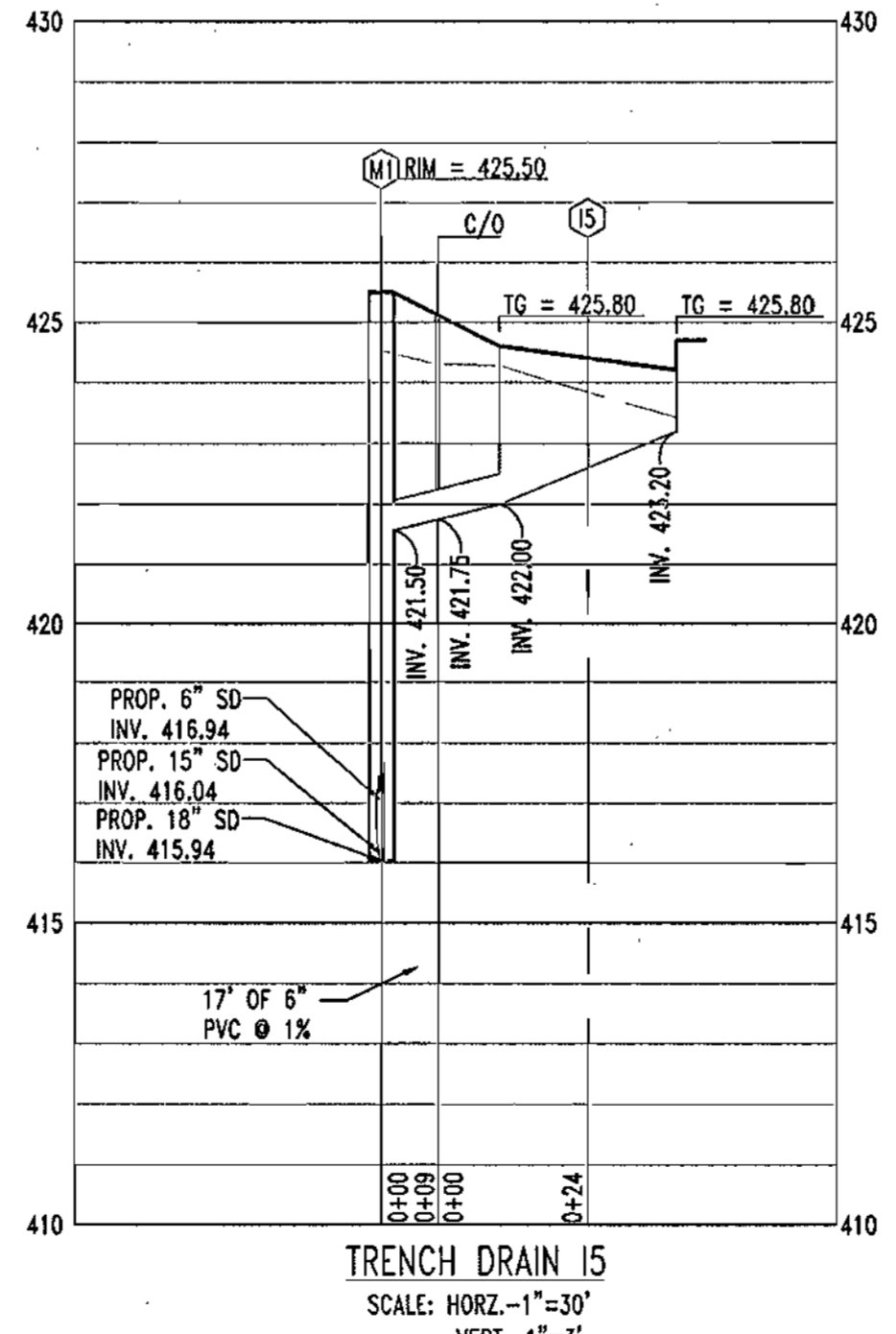
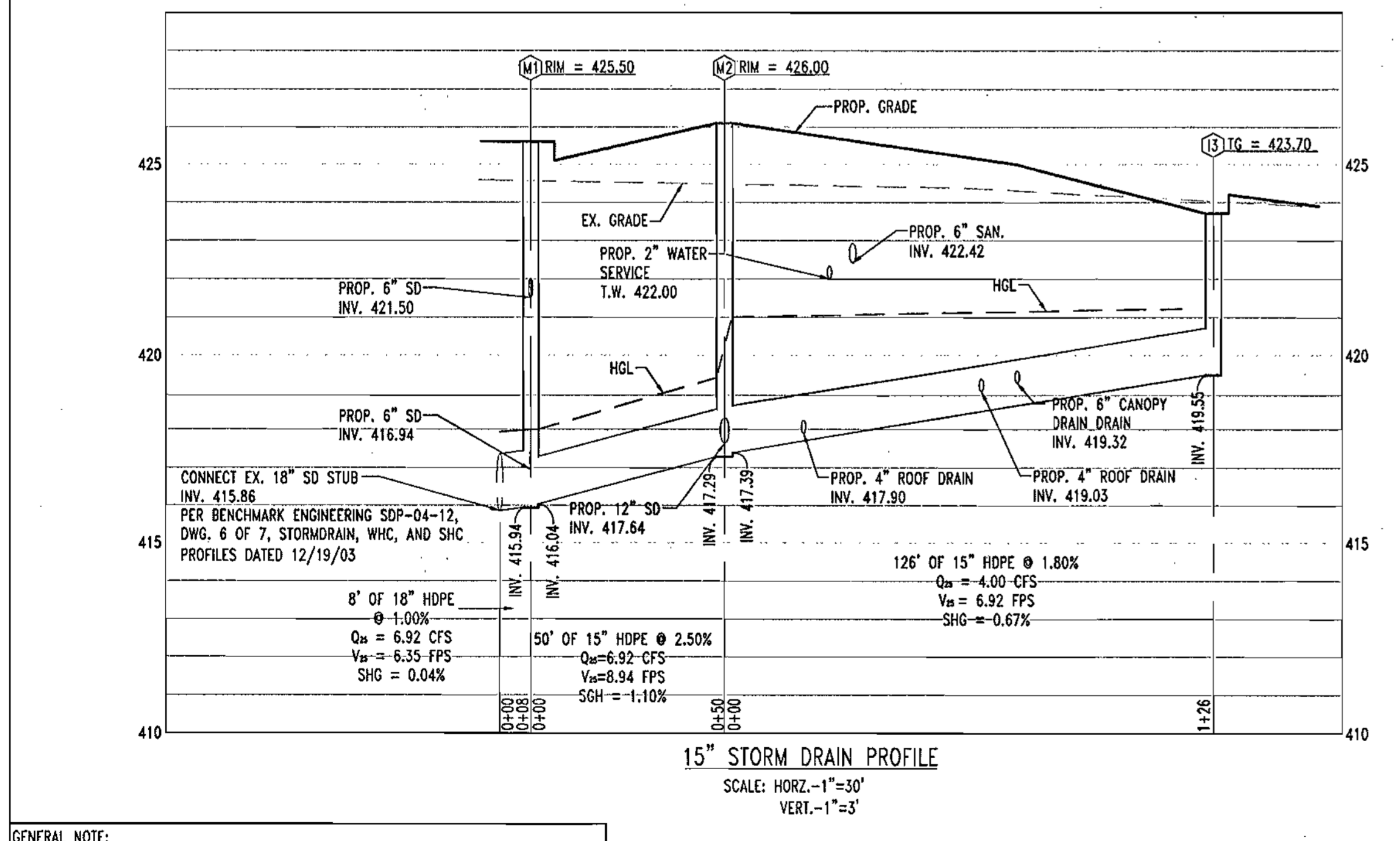
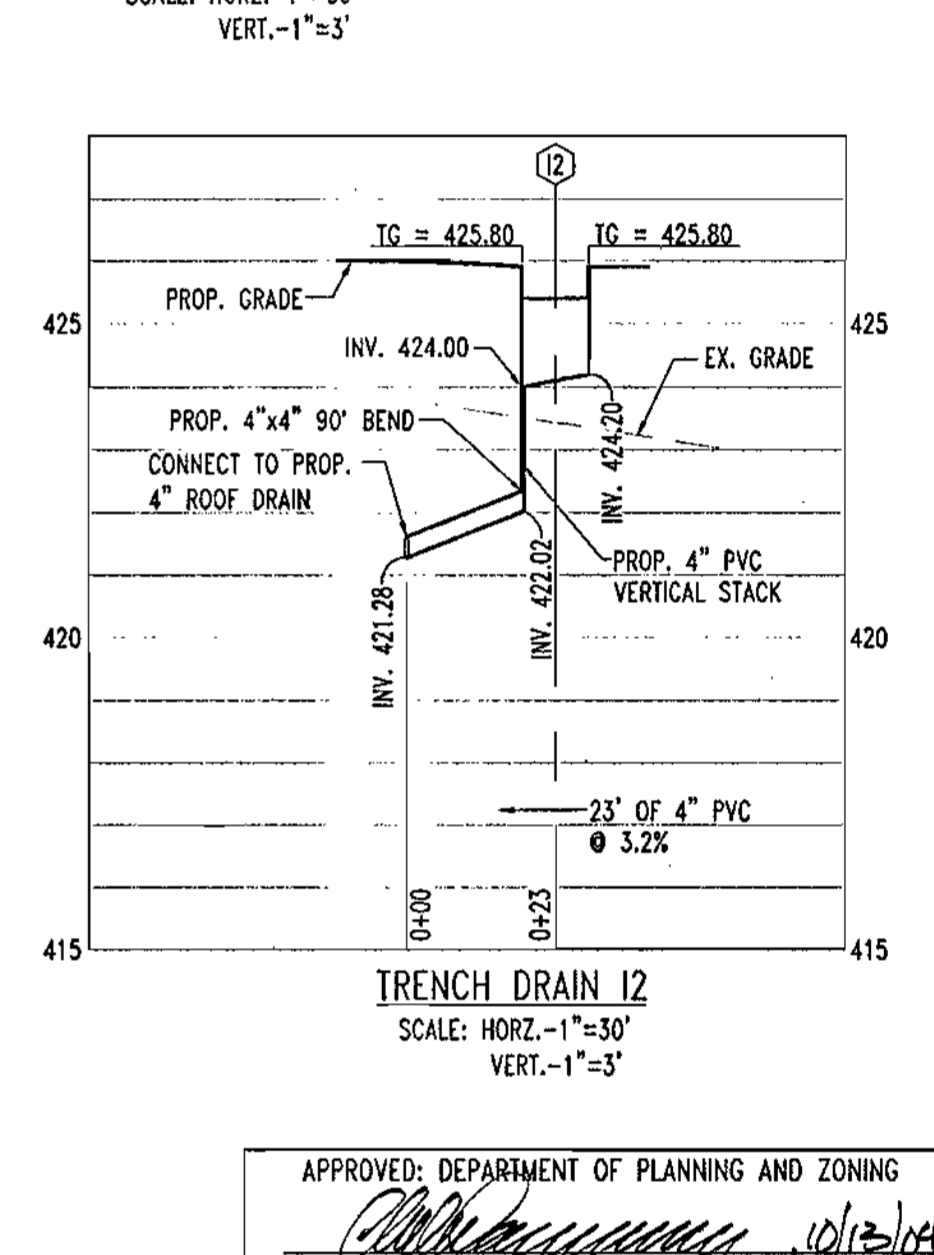
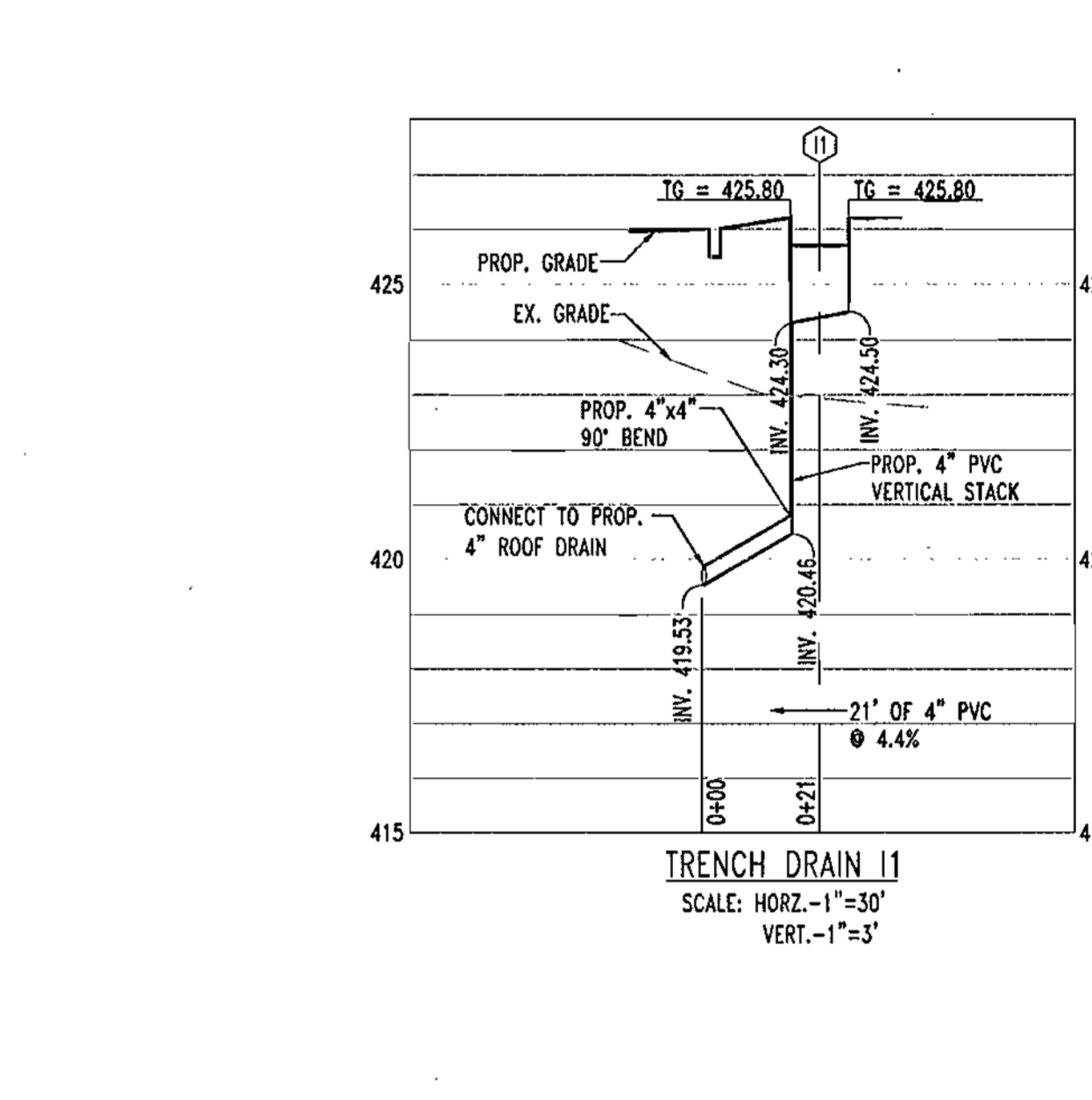
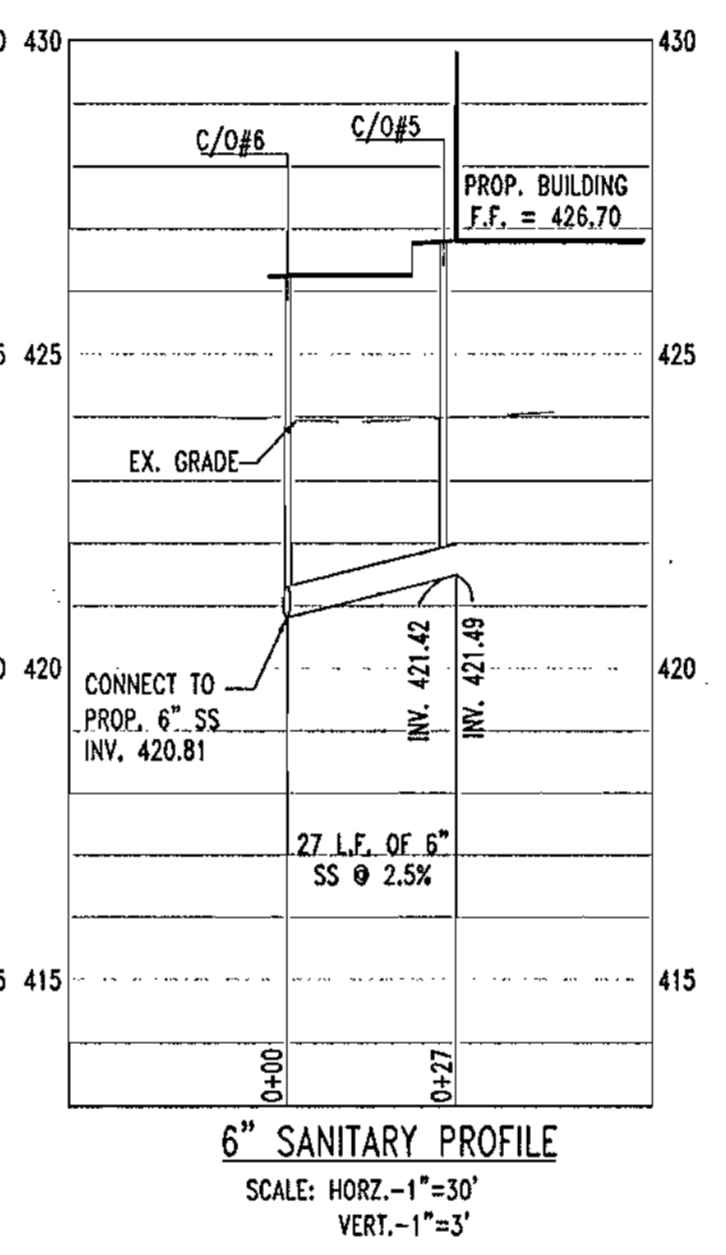
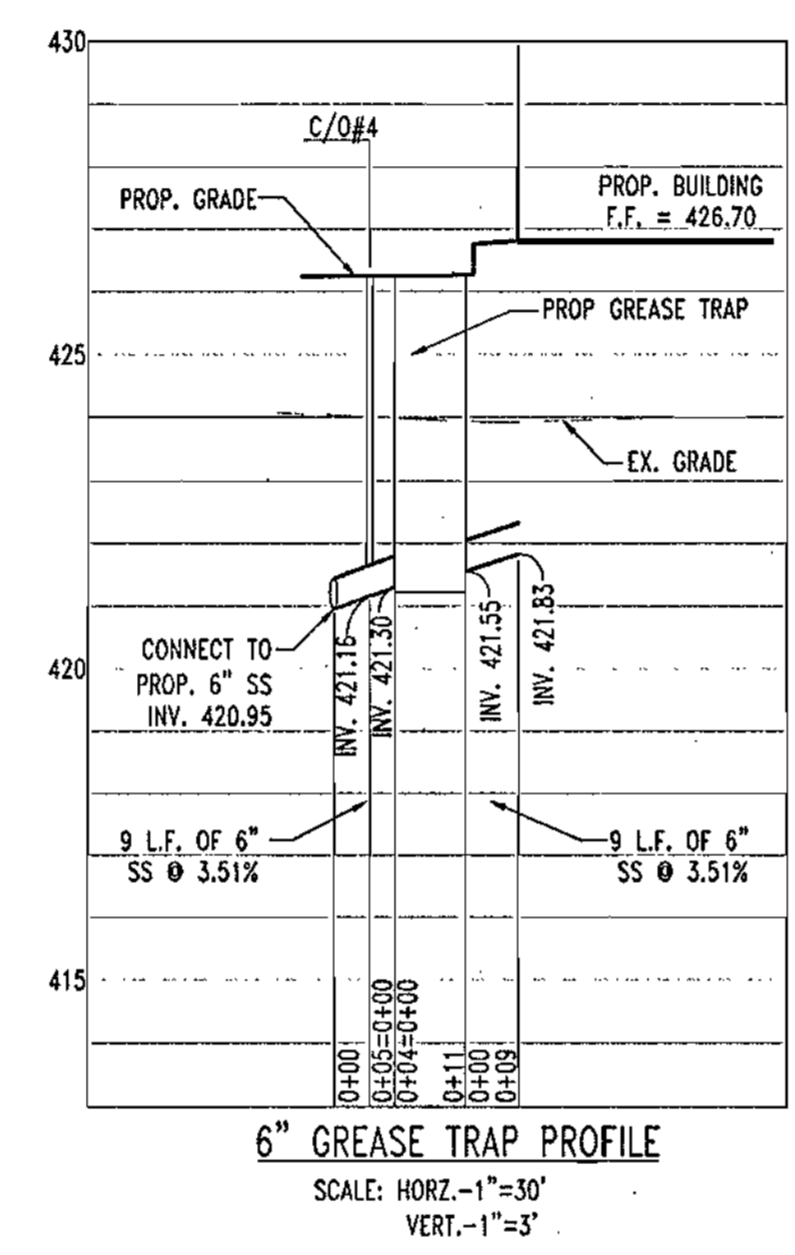
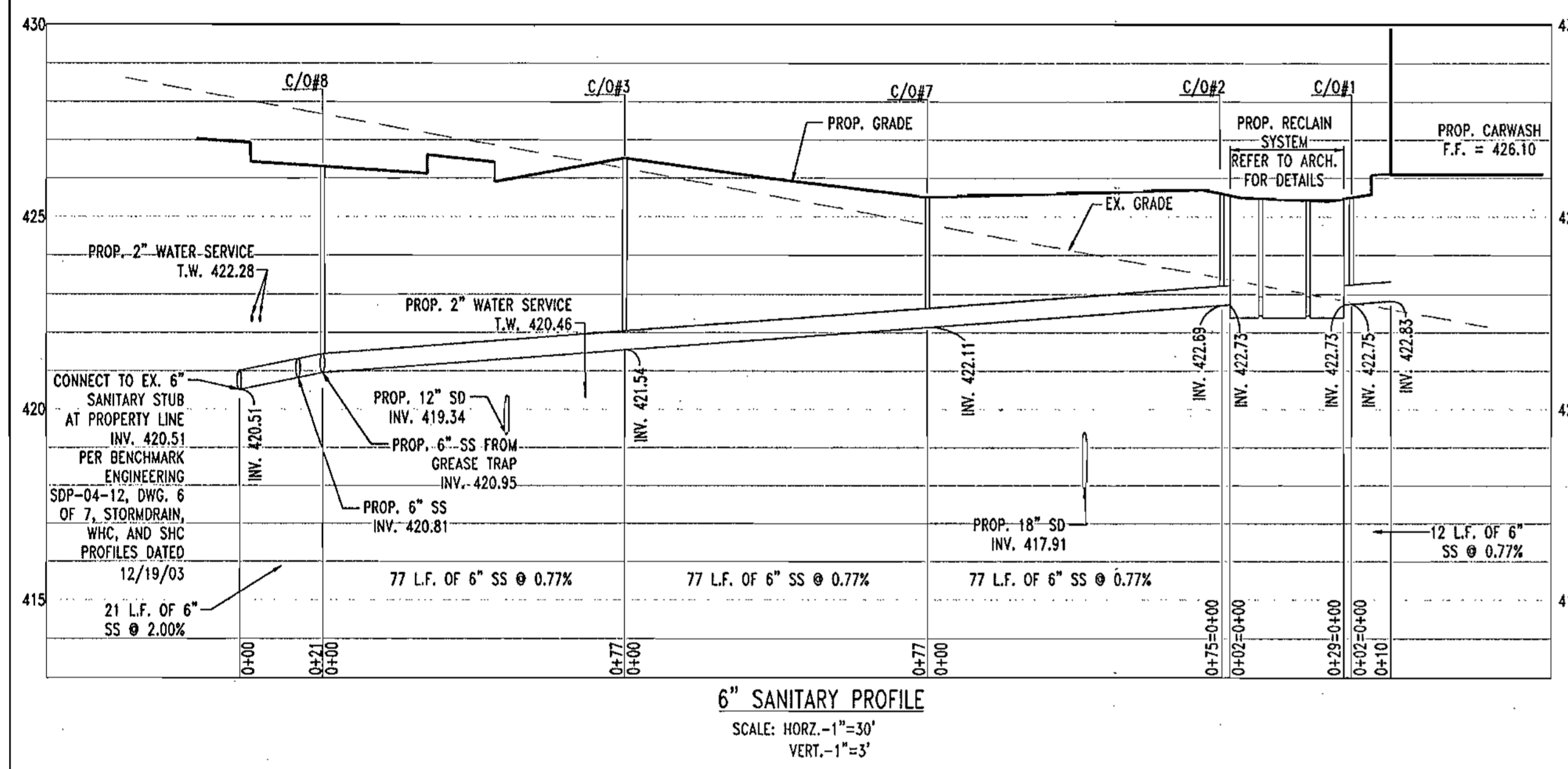
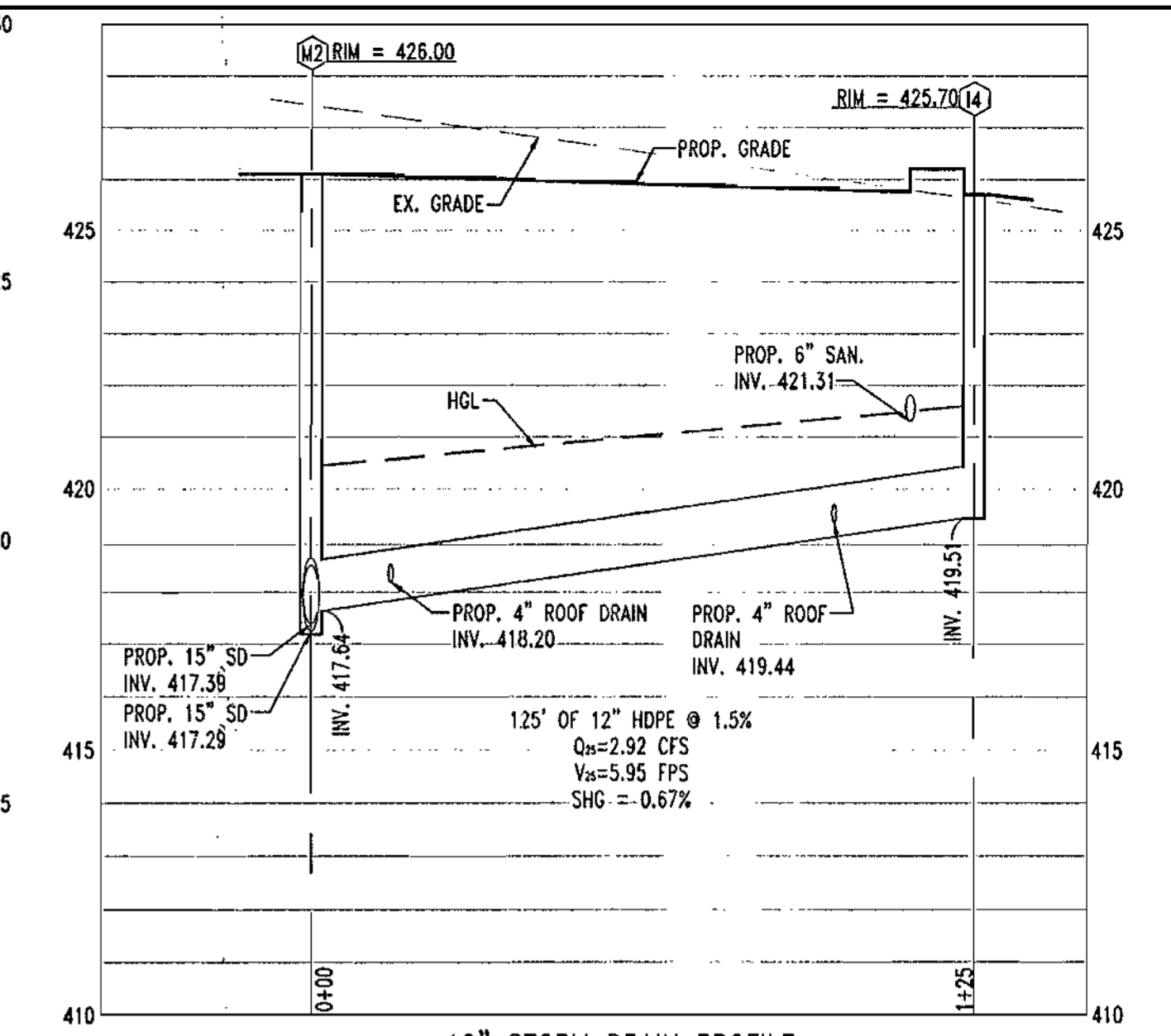
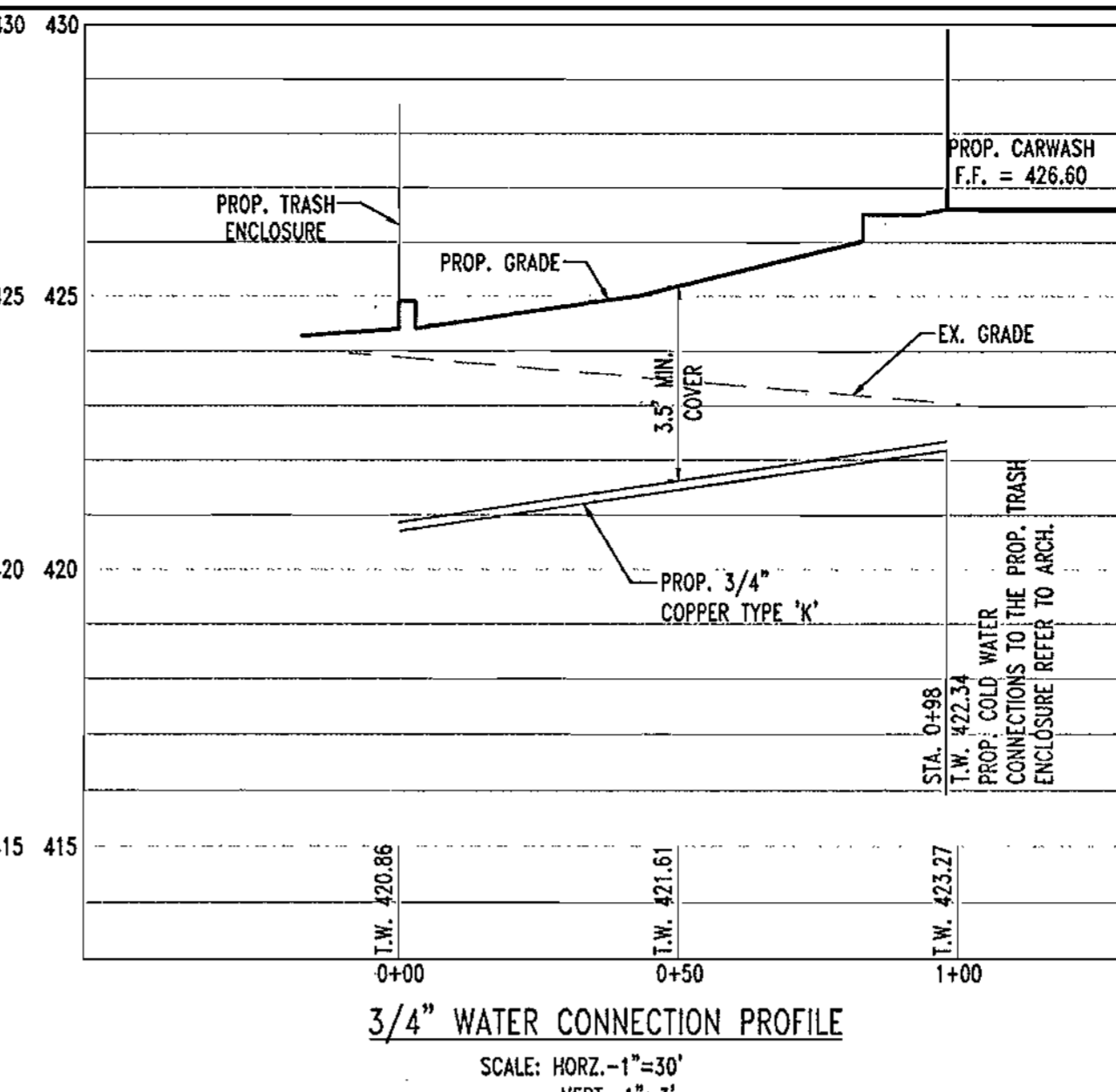
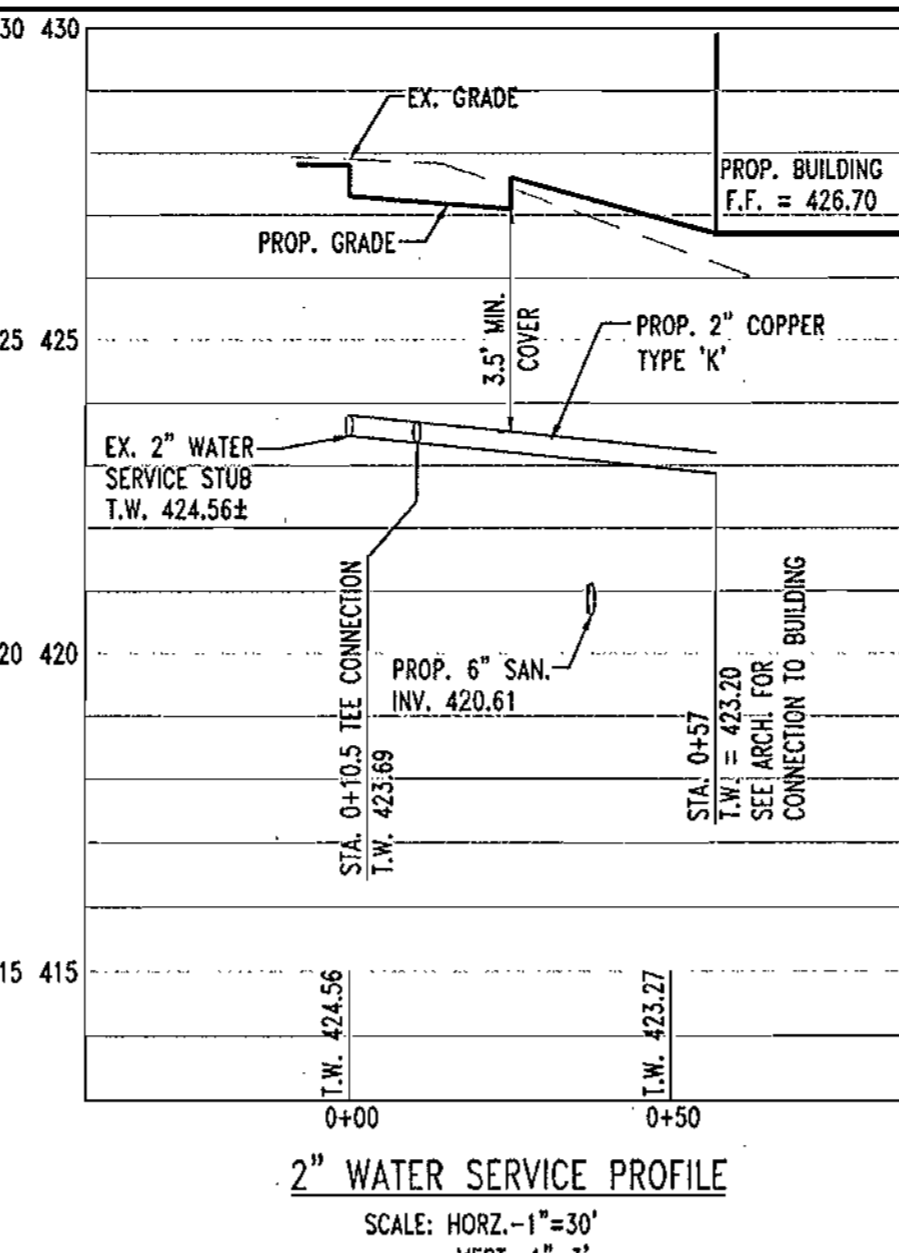
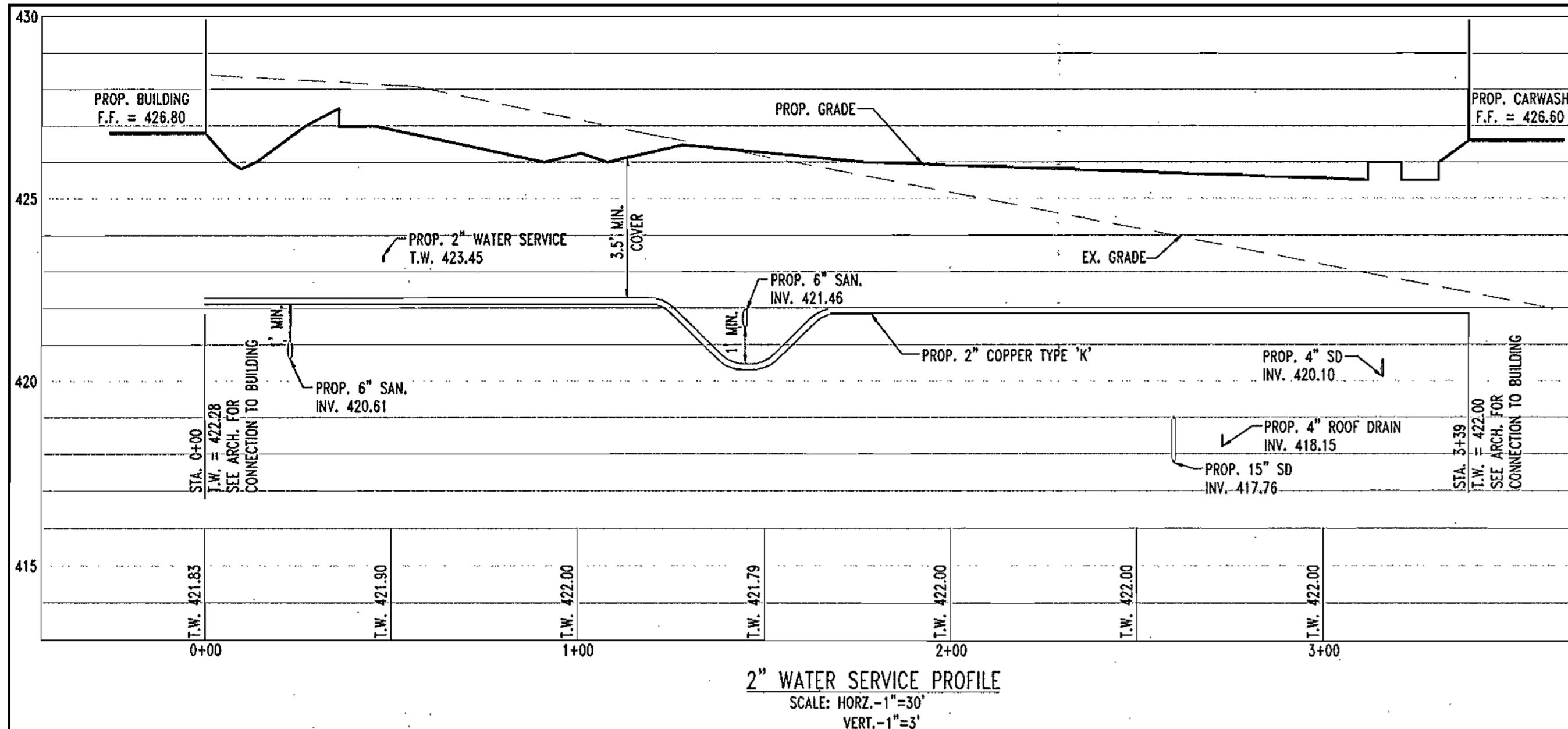
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO. DATE REVISION DESCRIPTION

NO.	DATE	REVISION DESCRIPTION
OWNER	DEVELOPER	
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037	
PROJECT	EXXON MOBIL PROPOSED EXXON GAS STATION	
AREA	TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND	
TITLE	UTILITY PLAN	

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 810 GLENMOUNTS COURT, SUITE 300, TOWSON, MD 21286
 4100 BELTWAY PARK PLACE, SUITE 100, BELTSVILLE, MD 21115

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: M0054006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 7 OF 17



GENERAL NOTE:
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BEFORE YOU DIG CALL
1-800-50-7777
PROTECT YOURSELF - GIVE TWO WORKING DAYS NOTICE

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION	BLOCK#	ZONING	TAX MAP NO.
16832	17	PEC	41
WATER CODE		ELECT. DISTRICT	CENSUS TRACT
E21		5	6051.02
		SEWER CODE	
			6440000

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/23/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
[Signature] 10/23/04
 CHIEF-DIVISION & LAND DEVELOPMENT
[Signature] 10/23/04
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/23/04
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 810 GLENDALES COURT, SUITE 300, TOWSON, MD 21286
 (410) 551-7000 FAX (410) 551-7001

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE: DRAWING NO. 8 OF 17

MONTPELIER ROAD
 APPROXIMATE CENTERLINE LOCATION
 VARIABLE WIDTH RIGHT OF WAY
 ASPHALT PAVED PUBLIC ROADWAY

N 544,050
 E 1,342,550

N13°57'58"E
 141.83'

N76°02'01"W
 6.00'

N10°43'09"E
 65.44'

EX. SIDEWALK, STREET TREE & UTILITY EASEMENT PLAT #14261
 R=57.53
 $\Delta=41'09''34''$
 L=41.32
 CHB=N19°12'51"W
 CHD=40.44

N 543,650
 E 1,342,550

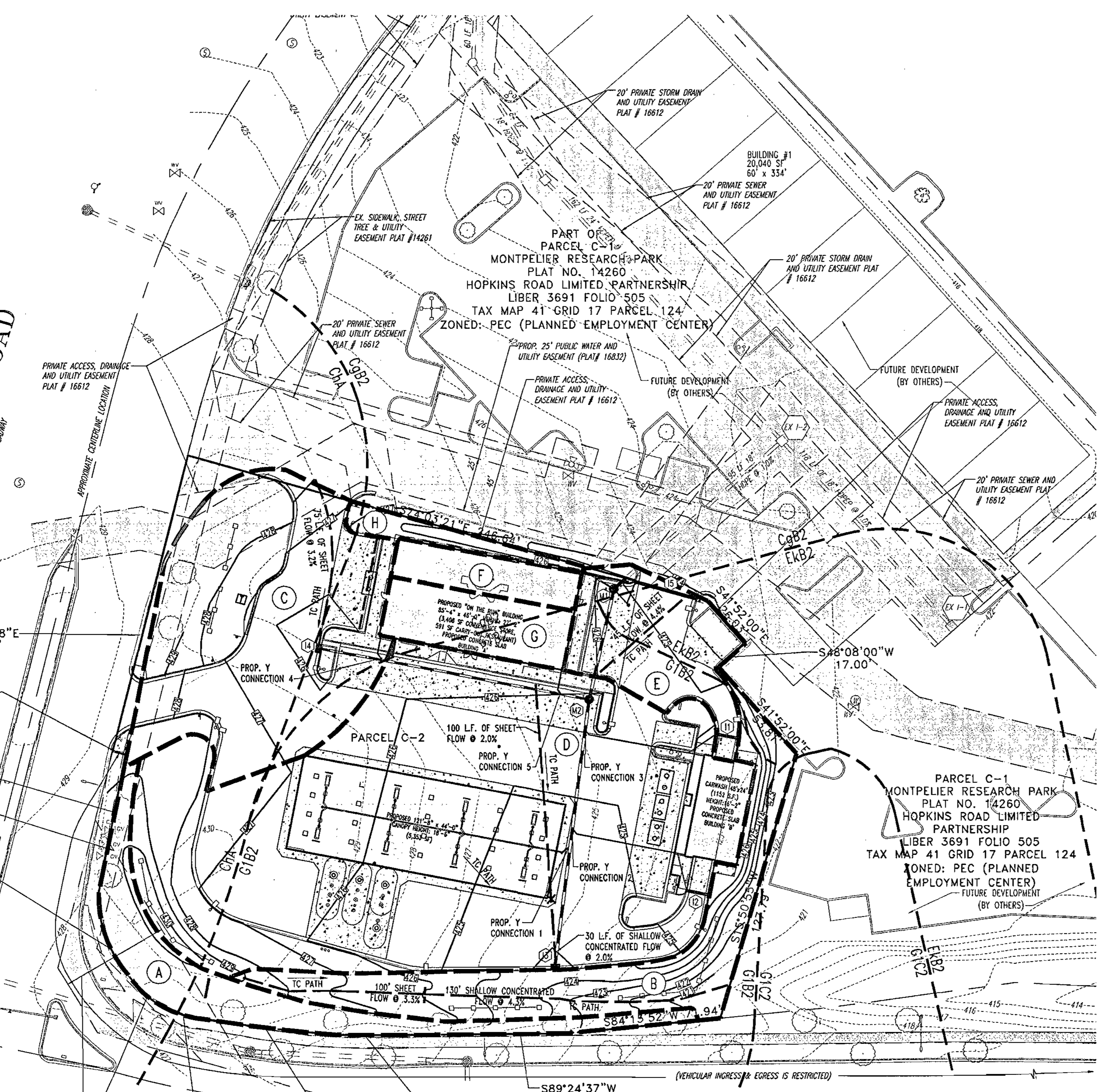
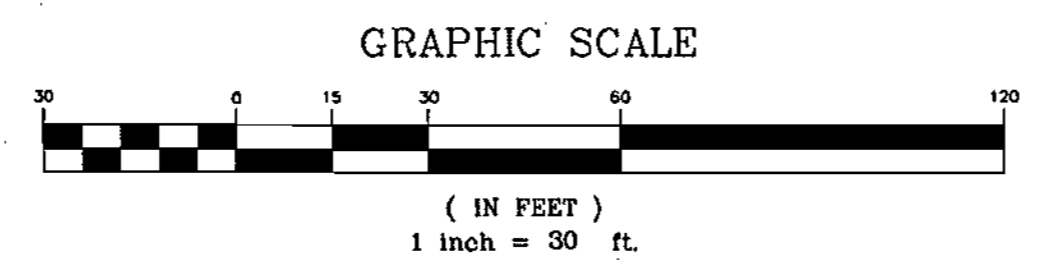
R=46.00
 $\Delta=33'21''25''$
 L=26.78
 CHB=N49°50'55"W
 CHD=26.40

R=46.00
 $\Delta=13'01''31''$
 L=10.46
 CHB=N73°02'09"W
 CHD=10.43

R=952.66
 $\Delta=3'55''08''$
 L=65.16
 CHB=N83°12'06"W
 CHD=65.15

R=879.93
 $\Delta=1'42''47''$
 L=26.19
 CHB=N89°44'12"W
 CHD=26.18

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DRAINAGE AREA 'A'
 TOTAL BYPASS AREA: 3,472 S.F. OR 0.079 AC.
 C PERVIOUS = 0.21
 ZONE: PEC
 Tc= 5.0min. = .083hrs.
 100% PERVIOUS SOIL
 2 YEAR PEAK DISCHARGE = 0.13cfs
 10 YEAR PEAK DISCHARGE = 0.31cfs

DRAINAGE AREA 'B'
 TOTAL BYPASS AREA: 6,904 S.F. OR 0.158 AC.
 C PERVIOUS = 0.21
 ZONE: PEC
 Tc= 11.63min. = 0.19hrs.
 100% PERVIOUS SOIL
 2 YEAR PEAK DISCHARGE = 0.20cfs
 10 YEAR PEAK DISCHARGE = 0.49cfs

DRAINAGE AREA 'C' (DA TO I4)
 TOTAL AREA: 11,988 S.F. OR 0.27 AC.
 TOTAL PERVIOUS AREA: 5,232 OR 0.12 AC.
 TOTAL IMPERVIOUS AREA: 6,756 S.F. OR 0.15 AC.
 C PERVIOUS = 0.20
 C IMPERVIOUS = 0.86
 WETTED 'C' FACTOR = 0.56
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 56% IMPERVIOUS SURFACE
 44% PERVIOUS SOIL
 REFER TO SD COMPS

DRAINAGE AREA 'D' (DA TO I3)
 TOTAL AREA: 23,908 S.F. OR 0.55 AC.
 TOTAL PERVIOUS AREA: 3,736 OR 0.086 AC.
 TOTAL IMPERVIOUS AREA: 20,172 S.F. OR 0.463 AC.
 C PERVIOUS = 0.20
 C IMPERVIOUS = 0.86
 WETTED 'C' FACTOR = 0.75
 ZONE: PEC
 Tc= 5.11min. = 0.085hrs.
 84% IMPERVIOUS SURFACE
 16% PERVIOUS SOIL
 REFER TO SD COMPS

DRAINAGE AREA 'E'
 TOTAL AREA: 3,692 S.F. OR 0.084 AC.
 TOTAL IMPERVIOUS AREA = 3,692 S.F. OR 0.084 AC.
 C IMPERVIOUS = 0.85
 WETTED 'C' FACTOR = 0.85
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% IMPERVIOUS SURFACE
 REFER TO SD COMPS

DRAINAGE AREA 'F' (DA TO M1)
 TOTAL AREA: 1,530 S.F. OR 0.035 AC.
 TOTAL IMPERVIOUS AREA: 1,530 S.F. OR 0.035 AC.
 C PERVIOUS = 0.86
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% IMPERVIOUS SURFACE
 REFER TO SD COMPS

DRAINAGE AREA 'G' (DA TO M2)
 TOTAL AREA: 2,125 S.F. OR 0.048 AC.
 TOTAL IMPERVIOUS AREA = 2,125 S.F. OR 0.048 AC.
 C IMPERVIOUS = 0.85
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% IMPERVIOUS SURFACE
 REFER TO STORMDRAIN COMPS

DRAINAGE AREA 'H'
 TOTAL AREA: 1,950 S.F. OR 0.04 AC.
 TOTAL PERVIOUS AREA = 1,950 S.F. OR 0.04 AC.
 C PERVIOUS = 0.20
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% PERVIOUS SURFACE
 REFER TO SD COMPS

SOILS LEGEND
 ChA - CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES
 CgB2 - CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 G1B2 - GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 G1C2 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED

LEGEND
 --- SOIL BOUNDARY
 - - - DRAINAGE DIVIDE
 - - - TC PATH

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/23/04
 CHIEF - DEVELOPMENT ENGINEERING DIVISION
[Signature] 10/23/04
 CHIEF - DIVISION & LAND DEVELOPMENT
[Signature] 10/23/04
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/23/04
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
OWNER	HOPKINS ROAD LIMITED PARTNERSHIP	EXXON MOBIL CORPORATION
DEVELOPER	9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037
PROJECT	EXXON MOBIL PROPOSED EXXON GAS STATION	
AREA	TAX MAP 41 BLOCK 17 ZONED PEC	MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND
TITLE	DRAINAGE AREA MAPS	

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 4810 GLENASCROSS COURT, SUITE 300, TOWSON, MD 21286
 (410) 841-7900 FAX (410) 841-7901 WWW.BOHLENG.COM

DESIGNED BY: J.L.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: M0034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 9 OF 17

MISS UTILITY

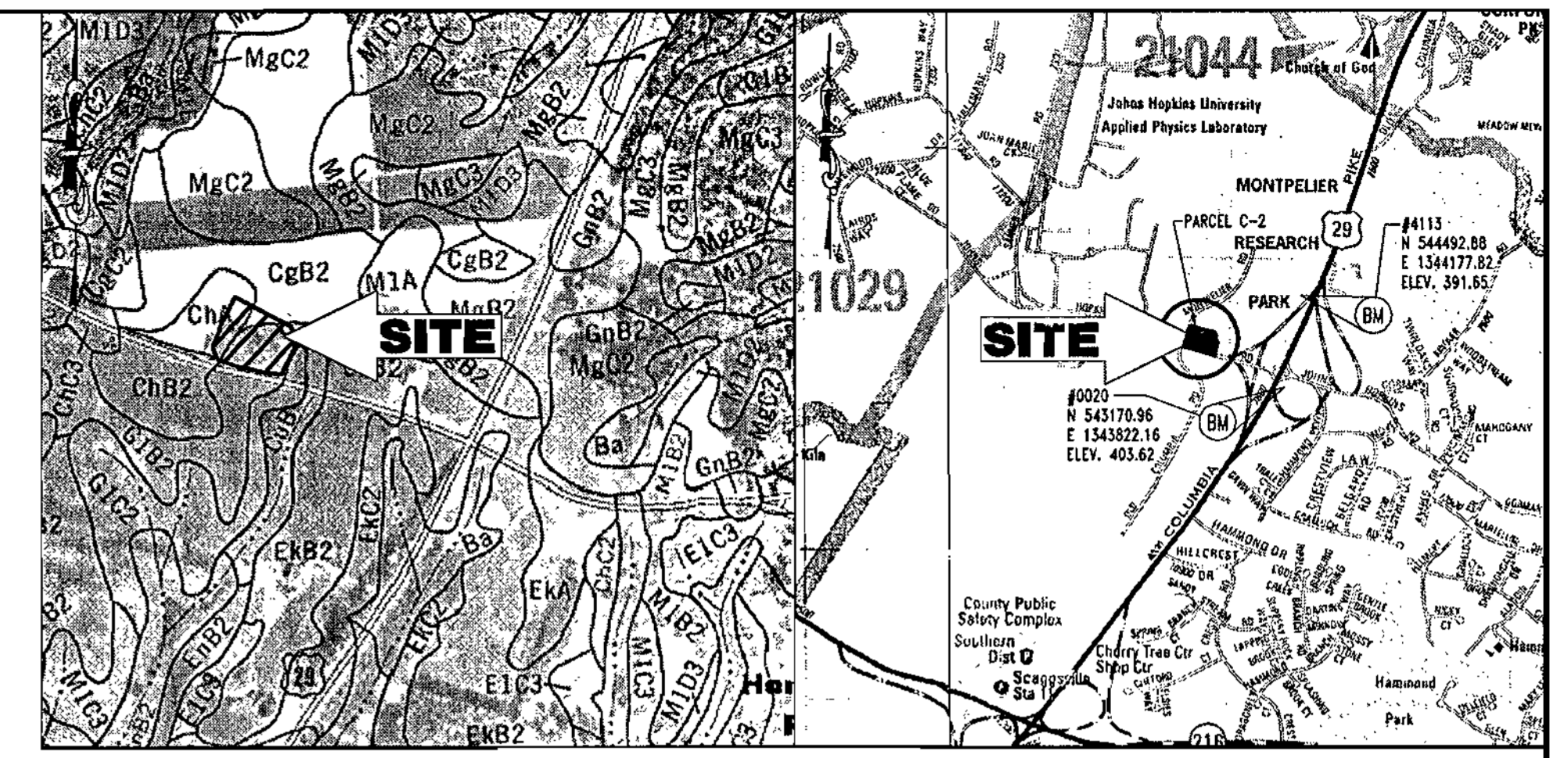
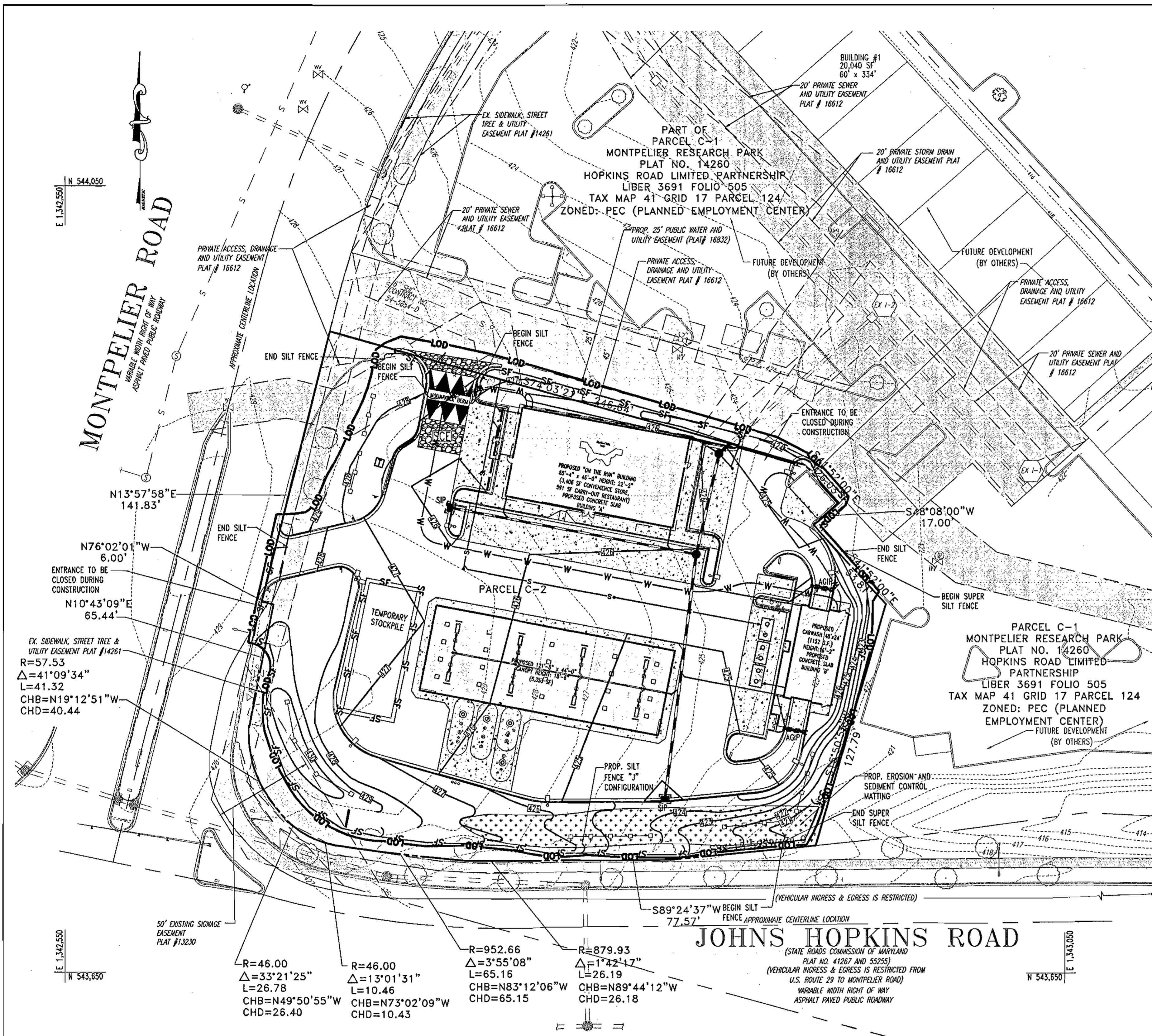


BEFORE YOU DIG CALL 1-800-735-7777 PROTECT YOURSELF - DIG TWO WORKING DAYS NOTICE

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 REGULATIONS THEREOF APPLICABLE.
 THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	EXXONMOBIL GAS STATION	SECTION/AREA	N/A
LOT/PARCEL NO.	C2/124	TAX MAP NO.	41
PLAT RECORDDATION	16832	ZONING	PEC
WATER CODE	E21	ELECT. DISTR.	5
		CENSUS TRACT	6051.02
		SEWER CODE	6440000



SOILS MAP
SCALE: 1"=500'
SOIL NOTES

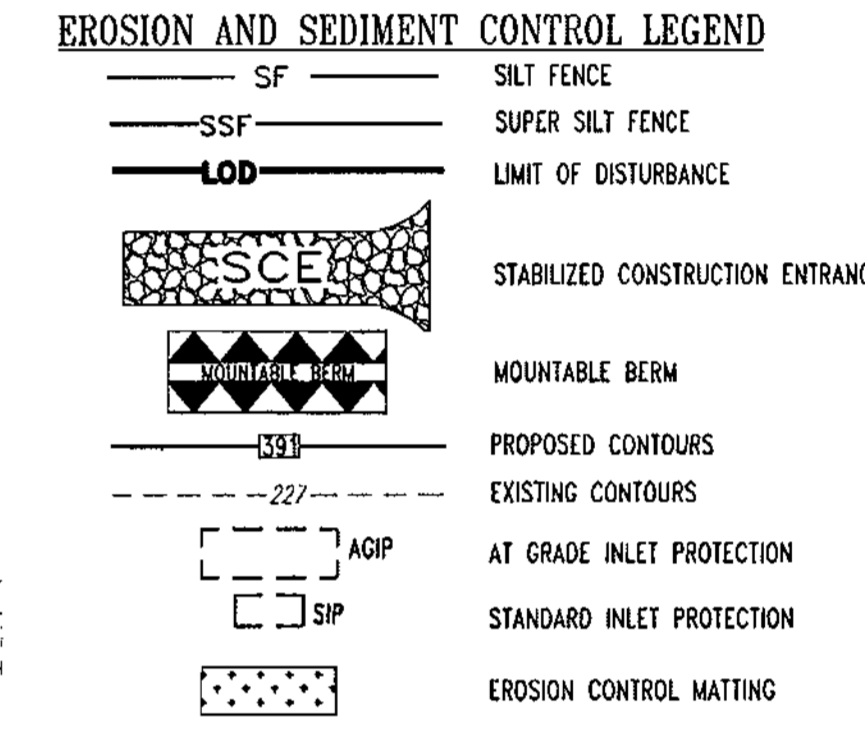
CHA - CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES
 CGB2 - CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 G1B2 - GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 G1C2 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED

LOCATION MAP
COPYRIGHT ADC THE MAP PEOPLE
PERMIT USE NO. 20694276
SCALE: 1"=2000'

BENCHMARK INFORMATION

HOWARD COUNTY BENCHMARK NO. 0020 ELEVATION: 403.62 N 543170.96 E 1343822.16	HOWARD COUNTY BENCHMARK NO. 4113 ELEVATION: 391.85 N 544492.88 E 1344177.82
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- SEQUENCE OF CONSTRUCTION**
- OBTAIN HOWARD COUNTY GRADING PERMIT.
 - NOTIFY HOWARD COUNTY SEDIMENT CONTROL INSPECTOR PRIOR TO ANY LAND DISTURBANCE AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION.
 - INSTALL ALL SILT FENCE AND SUPER SILT FENCE AS INDICATED ON PLANS.(1 WEEK)
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM.(1 DAY)
 - ROUGH GRADE SITE.(1 WEEK)
 - COMPLETE INSTALLATION OF ROOF STORM DRAIN SYSTEM AND ON SITE UTILITIES, INCLUDING UNDERGROUND FUEL STORAGE TANKS.(2 WEEKS)
 - INSTALL CURB AND GUTTER.(3 WEEKS)
 - CONSTRUCT CONVENIENCE STORE, PUMP ISLANDS, AND CANOPY.(8 WEEKS)
 - INSTALL PAVING BASE COURSE.(2 WEEKS)
 - INSTALL PAVING SURFACE COURSE.(1 WEEK)
 - FINE GRADE AND STABILIZE REMAINING SITE.(2 WEEKS)(SEE NOTE)
 - INSTALL LANDSCAPING.(2 WEEKS)
 - REMOVE ALL SEDIMENT CONTROL MEASURES AFTER RECEIVING APPROVAL FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.(1 WEEK)



ESTIMATE OF SEDIMENT CONTROL QUANTITIES

SILT FENCE: 834 L.F.
 SUPER SILT FENCE: 150 L.F.
 AT GRADE INLET PROTECTION: 2 EA.
 STANDARD INLET PROTECTION: 2 EA.
 STABILIZED CONSTRUCTION ENTRANCE: 1 EA.

NOTE: THESE QUANTITIES ARE FOR SEDIMENT CONTROL USE ONLY. CONTRACTOR SHALL NOT RELY ON THESE QUANTITIES FOR ESTIMATING AND BIDDING PURPOSES.

SITE ANALYSIS DATA

- TOTAL SITE AREA: 1.509 AC. OR 65,723 S.F.
- TOTAL DISTURBED AREA: 1.57 AC. OR 68,441 S.F.
- TOTAL IMPERVIOUS AREA: 0.96 AC. OR 41,834 S.F.
- AREA TO VEGETATIVELY STABILIZED: 0.49 AC. OR 21,106 S.F.
- EARTHWORK: (TO SUBGRADE)
 CUT: - 2,500 C.Y.
 FILL: - 990 C.Y.

NOTE: THESE QUANTITIES ARE FOR SEDIMENT CONTROL USE ONLY. CONTRACTOR SHALL NOT RELY ON THESE QUANTITIES FOR ESTIMATING AND BIDDING PURPOSES.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 CHIEF-DIVISION & LAND DEVELOPMENT
 DIRECTOR

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

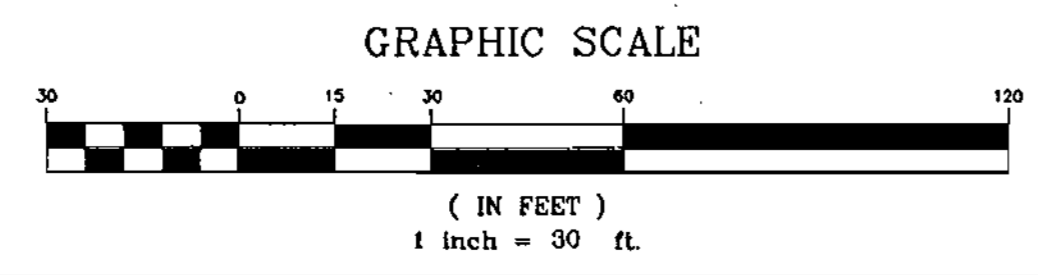
NO.	DATE	REVISION DESCRIPTION
OWNER	HOPKINS ROAD LIMITED PARTNERSHIP 8050 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	DEVELOPER EXXON MOBIL CORPORATION C/O TRAMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND
 TITLE: EROSION & SEDIMENT CONTROL PLAN

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 4810 GLENMOUNTS COURT, SUITE 200, TOWSON, MD 21286
 (410) 841-7900 FAX: (410) 841-7987 | BOHLERENG.COM

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 10 OF 17

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.



Reviewed for: **HOWARD S.C.D.**
 Name
 and meets Technical Requirements
 Date 10-7-04
 Signature
 NSDA, NATURAL RESOURCES CONSV. SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved: **John Hall** 10-7-04
 Howard S.C.D. Date

ENGINEER'S CERTIFICATE
 "I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."
 SIGNATURE OF ENGINEER: **Adam Volant** 9/3/04
 ADAM VOLANT P.E. DATE

DEVELOPER'S CERTIFICATE
 "I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT 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 SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZED PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."
 SIGNATURE OF DEVELOPER: **WPK** 9-8-04
 DATE

MISS UTILITY

BEFORE YOU DIG CALL 1-800-367-7777 PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE.

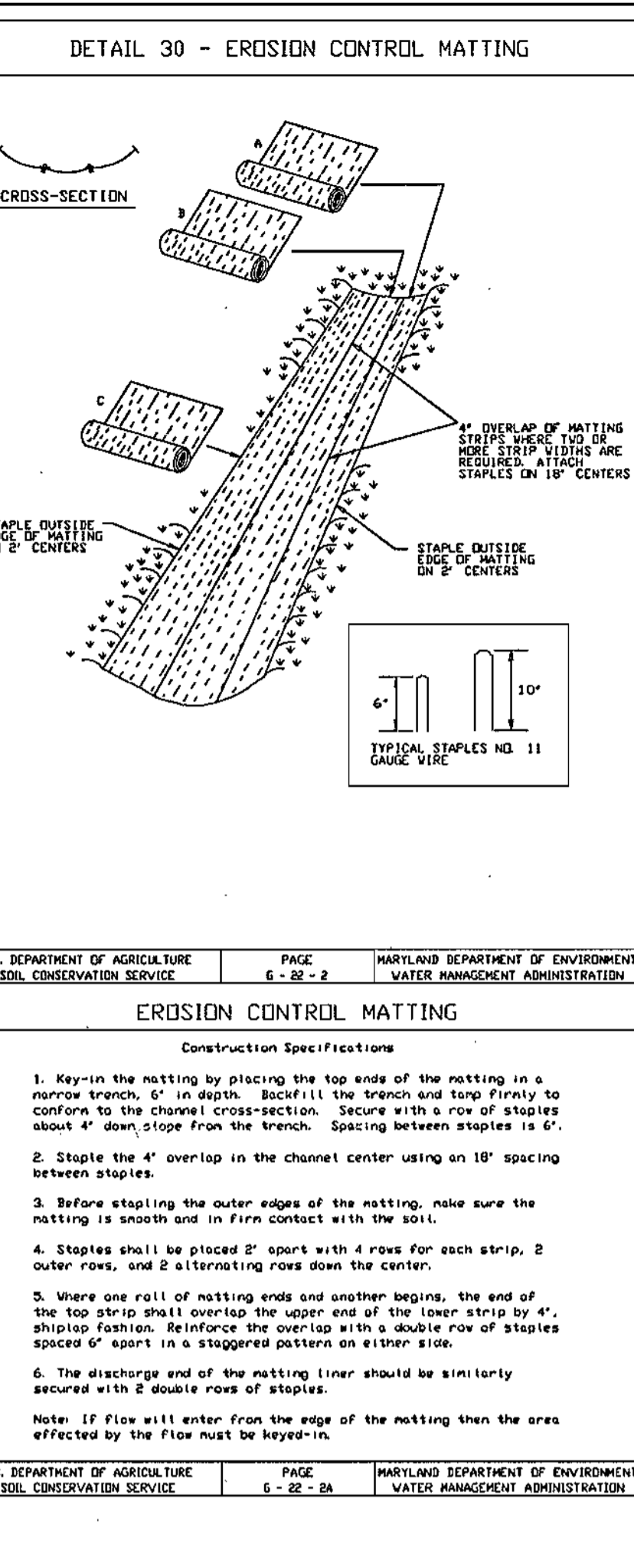
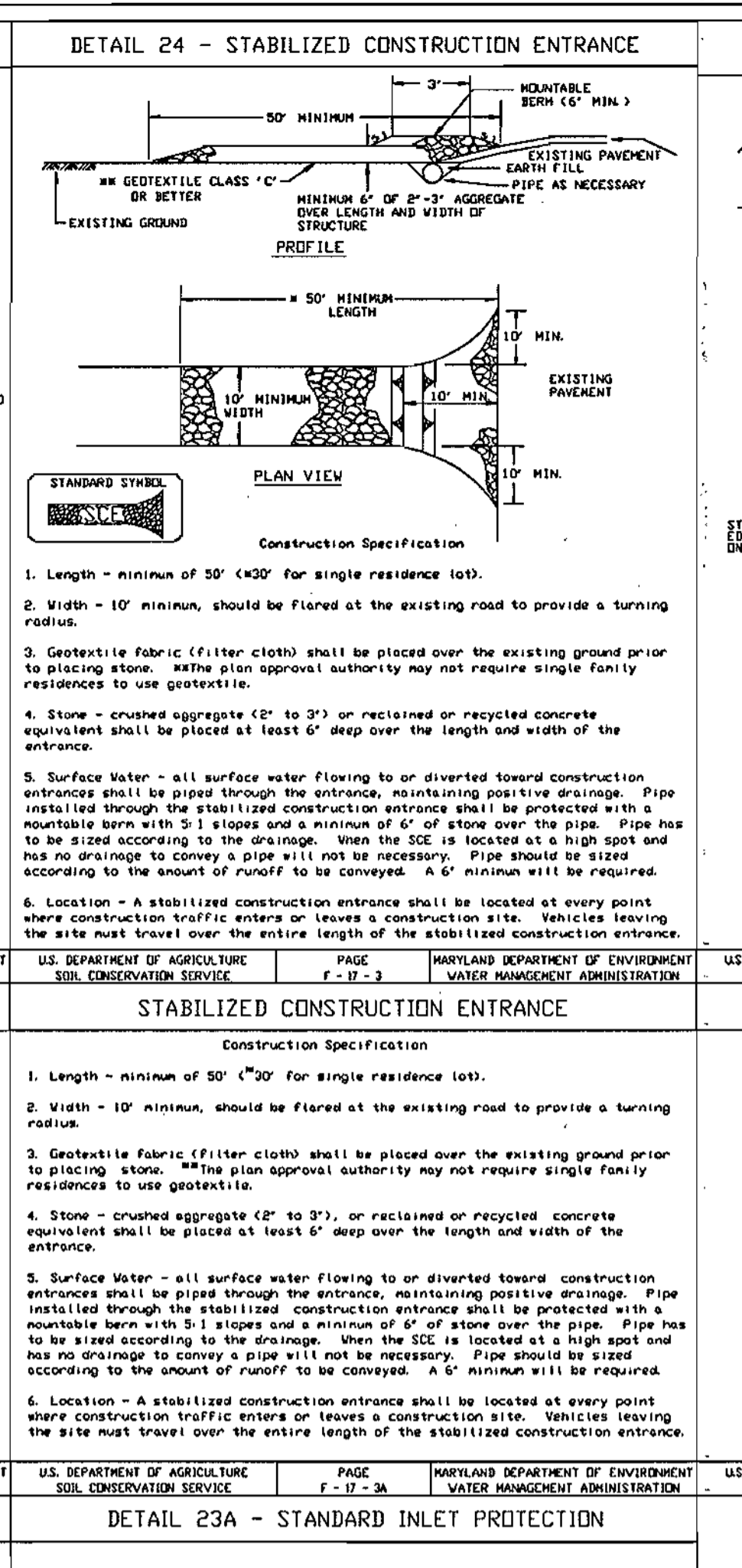
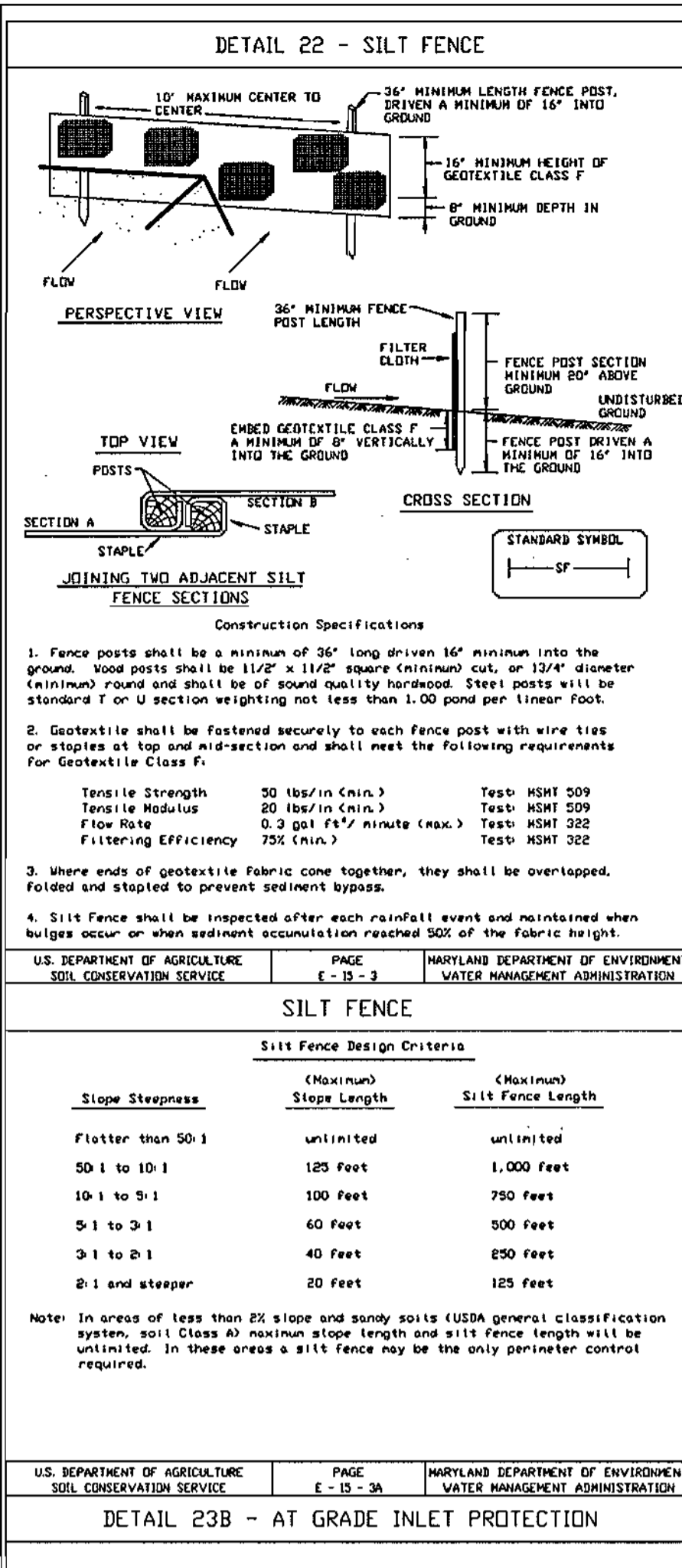
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 THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	C2/124
PLAT RECORDATION 16832	BLOCK 17	ZONING PEC
TAX MAP NO. 41	ELECT. DIST. 5	CENSUS TRACT 6051.02
WATER CODE E21	SEWER CODE	6440000



HOWARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION, PRIOR TO THE START OF ANY CONSTRUCTION. (313-1855)
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND REVISIONS THEREOF.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7 OF "HOWARD COUNTY DESIGN MANUAL", STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. C) TEMPORARY STABILIZATION WITH MULCH ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 - TOTAL SITE AREA: 1,509 AC. OR 65,723 S.F.
 - TOTAL DISTURBED AREA: 1,57 AC. OR 68,441 S.F.
 - TOTAL IMPERVIOUS AREA: 0.96 AC. OR 41,834 S.F.
 - AREA TO BE VEGETATIVELY STABILIZED: 0.49 AC. OR 21,106 S.F.
 - EARTHWORK:
 - CUT: - 2,500 C.Y.
 - FILL: - 990 C.Y.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

TOPSOIL CONSTRUCTION AND MATERIAL SPECIFICATIONS

- 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.
- TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
 - TOPSOIL SHALL BE 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 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.
 - TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSON GRASS, NETTLEGRASS, PERISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
 - WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS PER ACRE (200-400 LBS./1000 SQ. FT.) PRIOR TO PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.
- FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
 - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
 - TOPSOIL APPLICATION
 - 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.
 - GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBERT 4" - 8" HIGHER IN ELEVATION.
 - 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. IT IS STILL THE INTENTION TO FOLLOW THE REFERENCED 1994 EROSION AND SEDIMENT CONTROLS STANDARDS IN THEIR ENTIRETY.

STANDARD AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION WITH SOD

SPECIFICATIONS:

- CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SOD.
- SOD SHALL BE MACHINE CUT TO A UNIFORM SOIL THICKNESS OF 3/4 INCH PLUS OR MINUS 1/4 INCH. AT THE TIME OF CUTTING, MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
- 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.
- INDIVIDUAL PIECES OF SOD SHALL BE CUT TO THE SUPPLIER'S WIDTH AND LENGTH. MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTHS SHALL BE 5 PERCENT. BROKEN PADS AND TORN OR UNEVEN EDGES WILL NOT BE ACCEPTABLE.
- SOD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
- SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPORTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO INSTALLATION.

SITE PREPARATION:

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

- PRIOR TO SODDING, THE SURFACE SHALL BE 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.
- WHERE THE SOIL IS ACID OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE 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 LIME.
- ALL AREAS RECEIVING SOD SHALL BE UNIFORMLY FINE GRADED. HARD PACKED EARTH SHALL BE SCARIFIED PRIOR TO PLACEMENT OF SOD.

SOD INSTALLATION:

- DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE THE SOD SHALL BE LIGHTLY IRRIGATED IMMEDIATELY PRIOR TO LAYING SOD.
- THE FIRST ROW OF SOD SHALL BE LAID IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND TIGHTLYwedGED AGAINST EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. INSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH COULD CAUSE AIR DRYING OF THE ROOTS.
- ON SLOPING AREAS WHERE EROSION MAY BE A PROBLEM, SOD SHALL BE LAID WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERED JOINTS. SECURE THE SOD BY TAMPING AND PEGGING OR OTHER APPROVED METHODS.
- 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 ROLLING AND TAMPING UNTIL THE UNDERSIDE OF THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD AREA THOROUGHLY WET. THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD SHALL BE COMPLETED WITHIN EIGHT HOURS.

SOD MAINTENANCE:

- 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 DEPTH OF 4 INCHES. WATERING SHOULD BE DONE DURING THE HEAT OF THE DAY TO PREVENT WILTING.
- AFTER THE FIRST WEEK, SOD SHALL BE WATERED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE AND INSURE ESTABLISHMENT.
- 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.
- MAINTENANCE OF ESTABLISHED SOD SHOULD FOLLOW SPECIFICATIONS OUTLINED IN TABLE 54-1.

TEMPORARY SEEDING NOTES

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

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

SOILS 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 SQ. 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 15 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 IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GALS./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES, 8 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 GALS./1000 SQ. FT.) FOR ANCHORING.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE 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).

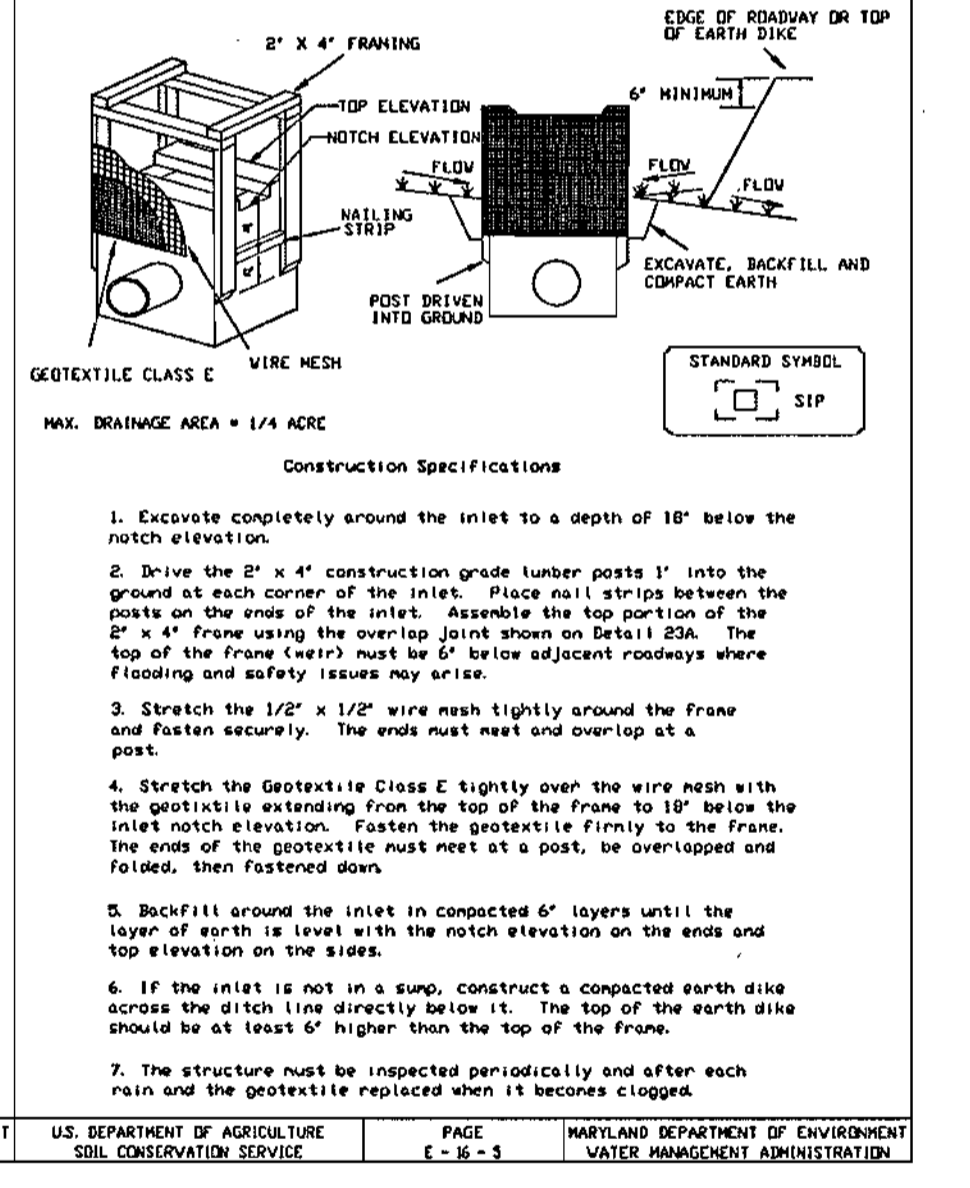
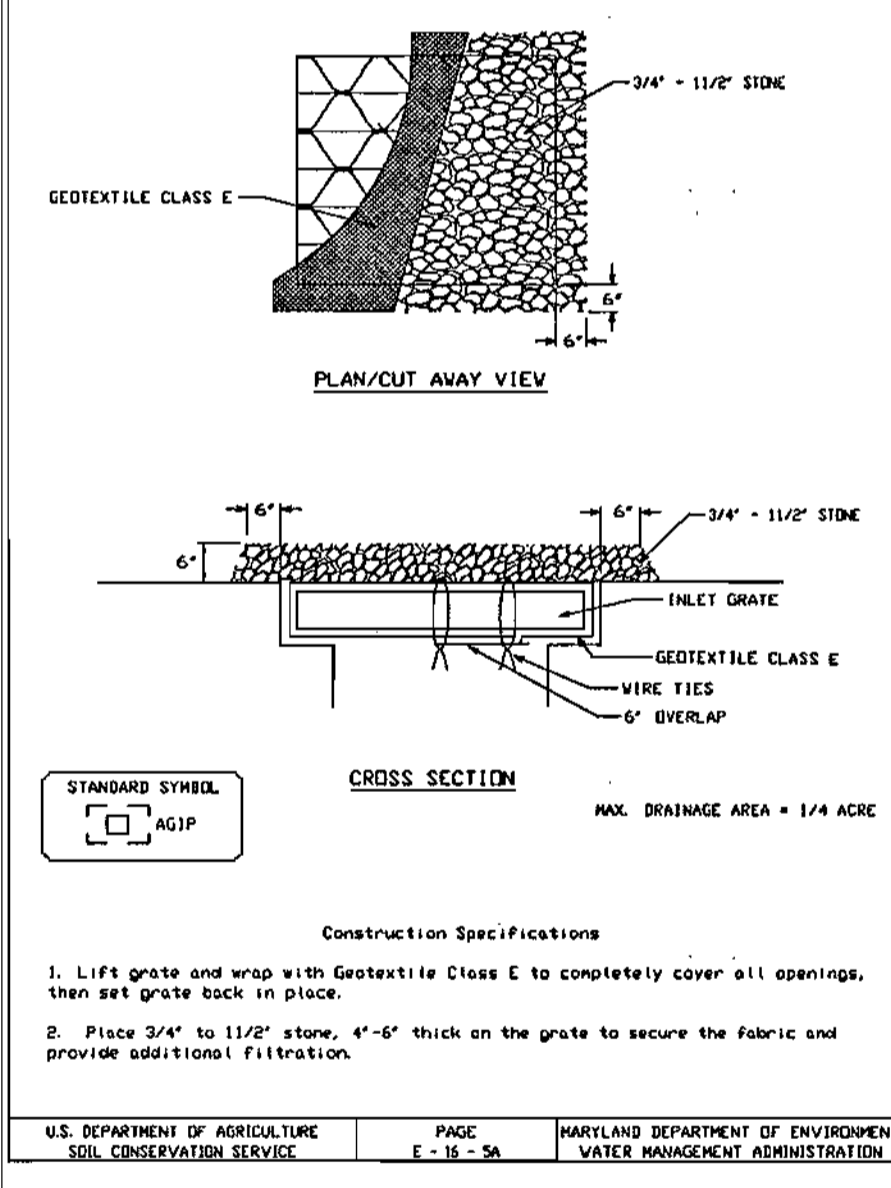
SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 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, APPLY 400 LBS. PER ACRE 30-0-0 AREAFORM FERTILIZER (9 LBS./1000 SQ. FT.)
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ. FT.) AND 1,000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS./1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS. 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 UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GALS./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GALS./1000 SQ. FT.) FOR ANCHORING.

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



DUST CONTROL

Controlling dust blowing and movement on construction sites and roads.

To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.

Conditions Where Practice Applies

Temporary Methods

- Mulches - See standards for vegetative stabilization with mulches only. Mulch should be crimped or tacked to prevent blowing.
- Vegetative Cover - See standards for temporary vegetative cover.
- Tillage - To roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12' apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.
- Irrigation - This is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. Keynot as needed. At no time should the site be irrigated to the point that runoff begins to flow.
- Barriers - Solid board fences, silt fences, snow fences, burlap fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 10 times their height are effective in controlling soil blowing.
- Calcium Chlorides - Apply at rates that will keep surface moist. May need re-treatment.

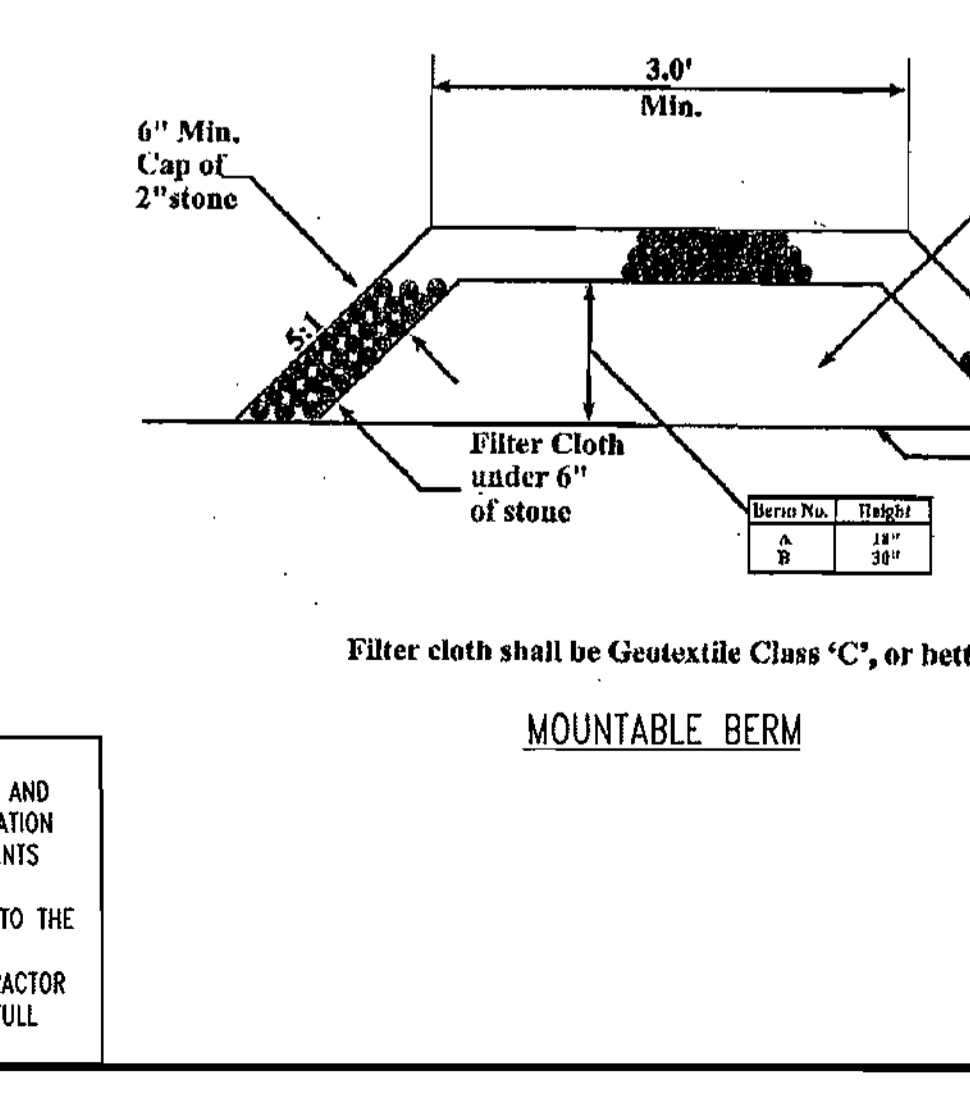
Permanent Methods

- Permanent Vegetation - See standards for permanent vegetative cover, and permanent stabilization with sod. Existing trees or large shrubs may afford valuable protection if left in place.
- Topsoiling - Covering with less erosive soil materials. See standards for topsoiling.
- Stone - Cover surface with crushed stone or coarse gravel.

References:

- Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
- Agriculture Information Bulletin 354. How to Control Wind Erosion, USDA-ARS, H-30-1.

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.



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

Approved: *[Signature]* Date: 10-7-04
Howard S.C.D.

Reviewed for: *[Signature]* Date: 10-7-04
and meets Technical Requirements
S.N. 41
NATURAL RESOURCES DIVISION, SERVICE

11. TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

12. DUST CONTROL.

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

Signature of Engineer: *[Signature]* Date: 9/3/04

DEVELOPER'S CERTIFICATE
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT 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 SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Signature of Developer: *[Signature]* Date: 9-8-04

MISS UTILITY

BEFORE YOU DIG CALL 1-800-251-7777. PROJECT YOURSELF, ONE TWO WORKING DAYS NOTICE.

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 REGULATIONS THEREOF APPURTENANT.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

SOD SHALL BE UTILIZED FOR STABILIZATION WHERE APPLICABLE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF-DEVELOPMENT ENGINEERING DIVISION
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
CZ/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	CZ/124

PLAT RECORDATION	BLOCK	ZONING	TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
16832	17	PEC	41	5	8051.02

WATER CODE	SEWER CODE
E21	6440000

OWNER: HOPKINS ROAD LIMITED PARTNERSHIP, 9030 RED BRANCH ROAD, SUITE 200, COLUMBIA, MD 21045-2055

DEVELOPER: EXXON MOBIL CORPORATION, C/O TRAMMEL CROW COMPANY, 3225 GALLOWAY ROAD, ROOM 5W218, FAIRFAX, VA 22037

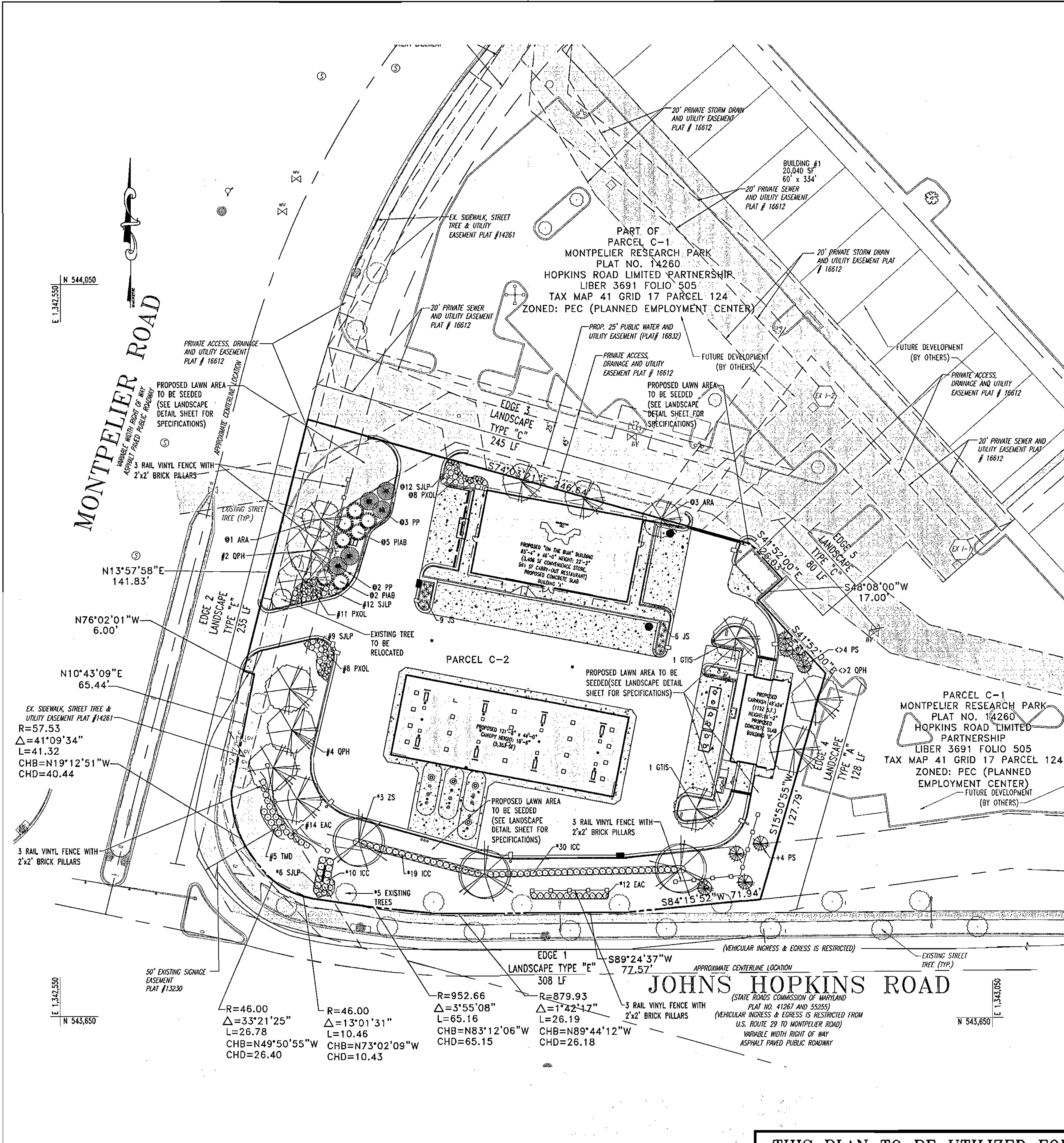
PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION

AREA: TAX MAP 41, BLOCK 17, ZONED PEC, MONTPELIER RESEARCH PARK PARCEL 124, ELECTION DISTRICT 5, HOWARD COUNTY, MARYLAND

TITLE: EROSION & SEDIMENT CONTROL DETAILS

BOHLER ENGINEERING, P.C.
Professional Engineering Services
8110 GLENACRES COURT, SUITE 300, TOWSON, MD 21286
(410) 811-7800 / (410) 811-7897 | www.bohlereng.com

DESIGNED BY: J.J.U.
DRAWN BY: R.L.B.
PROJECT NO.: M034006
DATE: 2/17/04
SCALE:
DRAWING NO. 11 OF 17



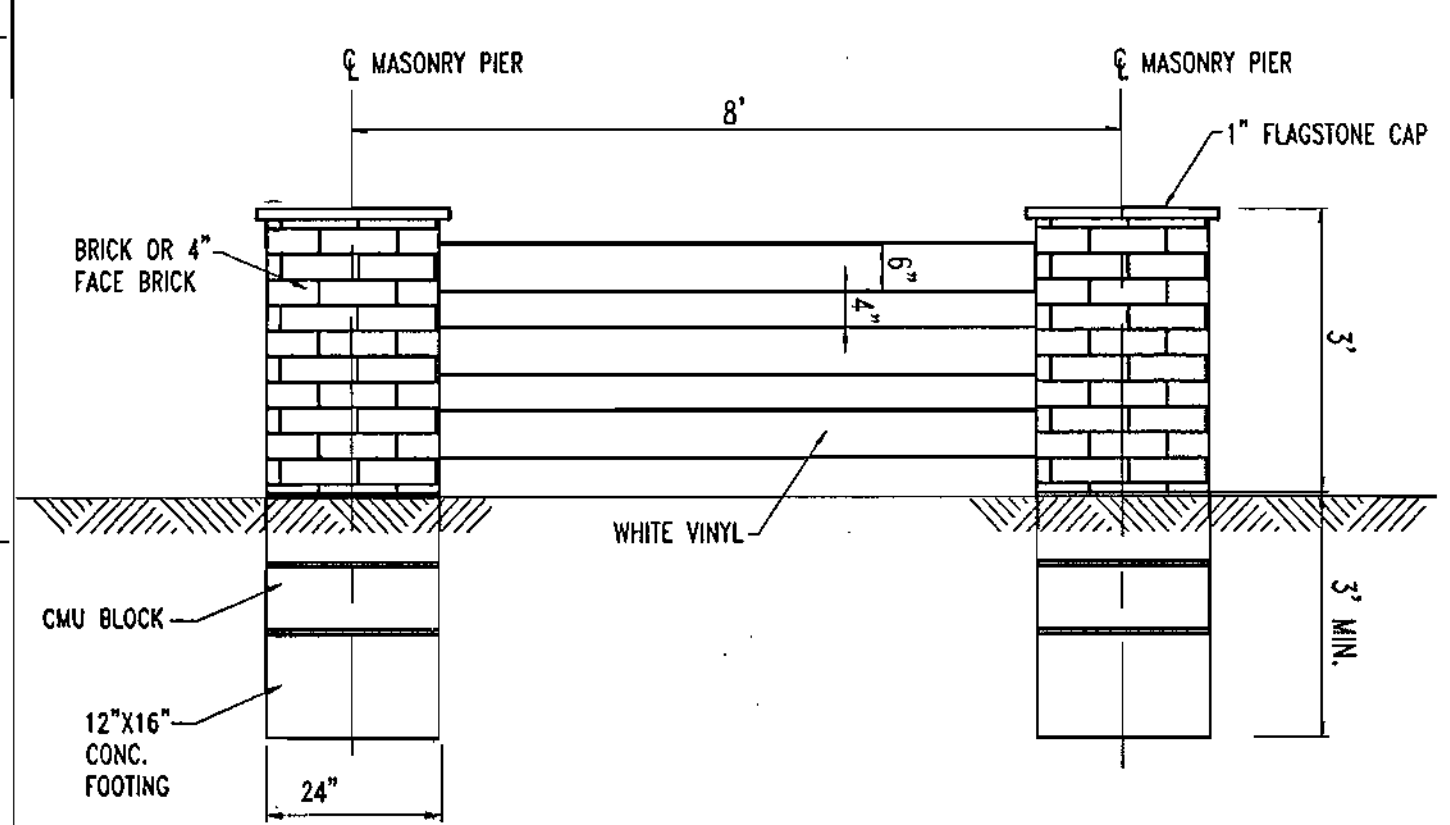
SCHEDULE A
PERIMETER LANDSCAPE EDGE

PERIMETER	LANDSCAPE TYPE	PERIMETERS LESS CREDIT	LANDSCAPE CALCULATIONS
EDGE 1	TYPE "E"	308 LF	1:40 SHADE TREES 1:4 SHRUBS REQUIRED: 308/40= 7.7 OR 8 TREES 308/4= 77 SHRUBS PROPOSED: 5 EXISTING SHADE TREES 3 ZS, 59 ICC, 6 SJLP, AND 12 EAC. * INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 2	TYPE "E"	235 LF	1:40 SHADE TREES 1:4 SHRUBS REQUIRED: 235/40= 5.8 OR 6 SHADE TREES 235/4= 58.75 OR 59 SHRUBS PROPOSED: 6 QPH, 19 PXOL, 21 SJLP, 14 EAC, AND 5 TMD # INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 3	TYPE "C"	245 LF	1:40 SHADE TREES 1:20 EVERGREEN TREES REQUIRED: 245/40= 6.1 OR 6 SHADE TREES 245/20= 12.25 OR 12 EVERGREEN TREES PROPOSED: 4 ARA, 7 PIAB, 5 PP, 12 SJLP, AND 8 PXOL (IN SUBSTITUTION FOR 2 SHADE TREES) # INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 4	TYPE "A"	128 LF	1:60 SHADE TREES REQUIRED: 128/60= 2.1 OR 2 TREES PROPOSED: 4 ARA, 7 PIAB, 5 PP, 12 SJLP, AND 8 PXOL (IN SUBSTITUTION FOR 2 SHADE TREES) # INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 5	TYPE "C"	80 LF	1:40 SHADE TREES 1:20 EVERGREEN TREES REQUIRED: 80/40= 2 SHADE TREES 80/20= 4 EVERGREEN TREES PROPOSED: 2 QPH AND 4 PS # INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT

LANDSCAPE SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREES(S)					
ARA	4	ACER RUBRUM 'ARISTONIA'	ARISTONIA RED MAPLE	2 1/2" CAL. MIN.	B+B
GTS	2	GLEHNSIA TRICANTHOS VAR. INTERMIXA 'SHADEMASTER'	SHADEMASTER HONOLULU	2 1/2" CAL. MIN.	B+B
OPH	8	QUERCUS PHELLOS	WILLOW OAK	2 1/2" CAL. MIN.	B+B
ZS	3	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	2 1/2" CAL. MIN.	B+B
EVERGREEN TREES(S)					
PIAB	7	PICEA ABIES	NORWAY SPRUCE	6-8" MIN.	B+B
PP	5	PICEA PLUMBENS	COLORADO SPRUCE	6-8" MIN.	B+B
PS	8	PINUS STROBUS	EASTERN WHITE PINE	6-8" MIN.	B+B
EVERGREEN SHRUB(S)					
ICC	59	ILEX CRENATA 'COMPACTA'	COMPACT JAPANESE HOLLY	24-30"	#5 CAN
PXOL	27	PRUNUS LAUROCEARUS 'OTTO LUTKEN'	OTTO LUTKEN CHERRY LAUREL	24-30" MIN.	#5 CAN
TMD	5	TAXUS X MEDIA 'DENSIFORMIS'	DENSIFORMIS YEW	24-30" MIN.	B+B
DECIDUOUS SHRUB(S)					
EAC	26	EUONYMUS ALATUS 'COMPACTUS'	DWARF WINGED EUONYMUS	30-36" MIN.	B+B
SJLP	39	SPREA JAPONICA 'LITTLE PRINCESS'	LITTLE PRINCESS SPREA	24-30" MIN.	#5 CAN
GROUND COVER					
JS	15	JUNPERUS CHINENSIS VAR. SARGENTII	SARGENT JUNIPER	15-18" SPRD.	#3 CAN

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.



SURETY IN THE AMOUNT OF \$15,530.00 FOR 17 SHADE TREES, 20 EVERGREEN TREES, 171 SHRUBS AND 230 L.F. OF LANDSCAPE FENCING IS TO BE POSTED WITH THE DEVELOPER'S AGREEMENT

SCHEDULE B
PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	31
NUMBER OF TREES REQUIRED:	31/20 SPACES = 1.5 OR 2
NUMBER OF LANDSCAPED ISLANDS REQUIRED:	31/20 SPACES = 1.5 OR 2
NUMBER OF TREES PROVIDED:	
SHADE TREES	2
LANDSCAPED ISLANDS	2

TRANSPLANTING NOTES

CONTRACTOR TO ENSURE THAT THE ROOT MASS OF ALL TRANSPLANTS ARE INTACT. THE ROOT BALL OF ALL TREES AND SHRUBS SHALL BE BALLED AND BURLAPED UPON REMOVAL FROM PRESENT LOCATION. CONTRACTOR TO STOCKPILE AND PROTECT ALL TRANSPLANT MATERIAL UNTIL IT IS TIME TO REPLANT. PLANTS SHALL BE MAINTAINED BY WATERING, FERTILIZING, PRUNING AND ANY OTHER METHODS TO KEEP PLANTS IN HEALTHY CONDITION. ALL TRANSPLANTS ARE GUARANTEED FOR A PERIOD OF ONE YEAR FROM FINAL COMPLETION. ANY TRANSPLANTS THAT DIE DURING THAT PERIOD WILL BE REPLACED TO THE CORRECT SIZE AND SPECIES AT THE CONTRACTORS EXPENSE.

DEVELOPER'S/BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

OWNER: *WPH* DATE: **9-8-04**

PREPARED BY: *[Signature]* DATE: **9/3/04**

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] DATE: **10/23/04**
 CHIEF DEVELOPMENT ENGINEERING DIVISION

[Signature] DATE: **10/22/04**
 CHIEF DIVISION & LAND DEVELOPMENT

[Signature] DATE: **10/24/04**
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.

[Signature] DATE: **10/18/04**
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
OWNER	DEVELOPER	
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037	
PROJECT	EXXON MOBIL PROPOSED EXXON GAS STATION	
AREA	TAX MAP 41 BLOCK 17 ZONED PEC MONTEPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND	
TITLE	LANDSCAPE PLAN	

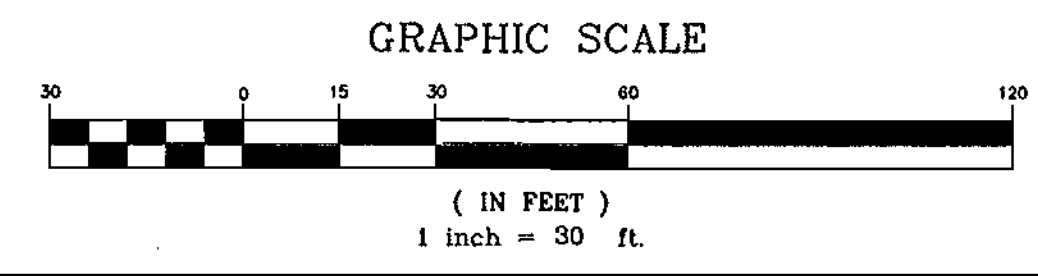
BOHLER ENGINEERING, P.C.

PROFESSIONAL ENGINEERING SERVICES
 #119 GLENDALE COURT, SUITE 300, TOWSON, MD 21286
 (410) 651-7900 FAX (410) 651-7901

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 12 OF 17

PROFESSIONAL ENGINEER NO. 21342

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.



THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

REFERENCE DETAIL SHEET FOR LANDSCAPE NOTES AND SPECIFICATIONS



BEFORE YOU DIG CALL
 PROTECT YOURSELF - DIAL 811
 WORKING DAYS NOTICE

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 REGULATIONS THEREOF APPROPRIATE.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTEPELIER ROAD

PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.			
EXXONMOBIL GAS STATION	N/A	C2/124			
PLAT RECORDATION	BLOCK#	ZONING	TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
16832	17	PEC	41	5	6051.02
WATER CODE	SEWER CODE				
E21	6440000				

PLANTING NOTES:

- PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED; INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
- CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISION SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE YEAR FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- INsofar AS IT IS PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD WILL BE REJECTED.
- QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI 260 (REV. 1996) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERMEN, INC.
- ALL PLANTS SHALL BE PLANTED IN AMENDED TOP SOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES. PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. LARGE PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS.
- PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAYED WITH "WILT-PRUF" OR EQUAL AS PER MANUFACTURER'S INSTRUCTIONS.
- NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
- SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.
- ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING UTILIZING CLEAN, SHARP TOOLS. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3 OF THE GROWTH OF LARGE TREES (2" CALIPER AND OVER) BY THE REMOVAL OF SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARALLEL, ETC. MAIN LEADER OF TREES WILL NOT BE CUT BACK. LONG SIDE BRANCHES, HOWEVER, MUST BE SHORTENED.
- EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
- ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES AS A RESULT OF CONSTRUCTION OPERATIONS. ALL EXISTING TREES SHALL BE FERTILIZED WITH A REGULAR GARDEN FERTILIZER (5-10-5) UPON COMPLETION OF WORK. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE TRUNK. CONTRACTOR TO ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH SHARP TOOLS AND FILLED AROUND WITH TOPSOIL. COMPLETELY SATURATE THESE AREAS WITH WATER. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR IS TO PROTECT ALL EXISTING TREES TO REMAIN BY ERECTING TREE PROTECTION FENCE AT THE DRIP LINE. THIS WILL ENSURE NO COMPACTION OF THE ROOT MASS.
- ALL PLANTING BEDS SHALL BE MULCHED WITH 3" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
- NEW PLANTING AREAS AND SOD SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND LAWN.
- PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE AS SHOWN ON THE APPROVED LANDSCAPE PLAN MUST BE INSTALLED, INSPECTED AND APPROVED BY THE CITY LANDSCAPE ARCHITECT. THE CITY ENGINEER AND LANDSCAPE ARCHITECT SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER AS REQUIRED BY OR ASSOCIATED WITH A SUBDIVISION OR SITE PLAN APPROVAL BY THE PLANNING BOARD OR ZONING BOARD OF ADJUSTMENT SHALL BE INSTALLED DURING THE FOLLOWING PLANTING SEASONS:

TYPE	DATES
PLANTS	3/15 TO 12/15
LAWN	3/15 TO 6/15 9/15 TO 12/1

- FURTHERMORE, THE FOLLOWING TREE VARIETIES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE HAZARDS ASSOCIATED WITH PLANTING THESE TREES IN THIS SEASON.
- | | |
|--------------------------|-------------------------|
| ACER RUBRUM | POPULUS VARIETIES |
| BETULA VARIETIES | PRUNUS VARIETIES |
| CARPINUS VARIETIES | PYRUS VARIETIES |
| CRATEGUS VARIETIES | QUERCUS VARIETIES |
| KOELREUTERIA | SALIX WEEPING VARIETIES |
| LIQUID AMBER STYRACIFLUA | TILIA TOMENTOSA |
| LIRIODENDRON TULIPIFERA | ZELKOVA VARIETIES |
| PLATANUS ACERIFOLIA | |
- ANY PLANTINGS INSTALLED IN CONFLICT WITH THIS REQUIREMENT MUST RECEIVE THE WRITTEN APPROVAL OF THE CITY ENGINEER OR LANDSCAPE ARCHITECT, PRIOR TO PLANTING. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR SODDING OR PLANTINGS SPECIFICALLY FOR SOIL STABILIZATION PURPOSES. THE PLANTING ASSOCIATED WITH ANY LOT GIVEN A CERTIFICATE OF OCCUPANCY OUTSIDE THESE PERIODS SHALL BE PROVIDED DURING THE PREVIOUS OR NEXT APPROPRIATE SEASON.
- ALL DISTURBED AREAS TO BE TREATED WITH 4" TOP SOIL & SEEDED IN ACCORDANCE WITH PERMANENT STABILIZATION METHODS INDICATED WITHIN THE SEEDING SPECIFICATIONS.

PLANTING SPECIFICATIONS:

- SCOPE OF WORK
 - THIS WORK SHALL CONSIST OF PERFORMING, CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.
 - MATERIALS
 - GENERAL - ALL MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE NJDOT MANUAL OF ROADWAY AND BRIDGE CONSTRUCTION (1998) OR APPROVED EQUAL.
 - PLANTS - ALL PLANTS SHALL BE HEALTHY OR NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS.
 - TOPSOIL - LOAMY SILT, HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, pH RANGE BETWEEN 4.5 - 7, BE FREE OF DEBRIS, ROCKS LARGER THAN TWO INCHES (2"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLOS.
 - MULCH - DOUBLE SHREDDED HARDWOOD BARK MULCH.
 - FERTILIZER AND SOIL CONDITIONER
 - ORGANIC FERTILIZER - SHALL BE PROCESSED SEWER SLUDGE WITH MINIMAL CONTENT OF 1% NITROGEN AND 2% PHOSPHORIC ACID, EQUAL TO "NITROHUMIS".
 - ORGANIC FERTILIZER AND SOIL CONDITIONER - SHALL BE "GRO-POWER" AND ORGANIC BASE MATERIALS COMPRISED OF DECOMPOSED ANIMAL AND VEGETABLE MATTER AND COMPOSTED TO SUPPORT BACTERIAL CULTURES, CONTAINING NO POULTRY, ANIMAL OR HUMAN WASTE. GUARANTEED ANALYSIS (5-3-1) NITROGEN 5%, PHOSPHATE 3%, POTASH 1%, 50% HUMUS AND 15% HUMIC ACIDS.
 - GENERAL WORK PROCEDURES
 - LANDSCAPE WORK SHALL COMMENCE AS SOON AS THOSE PORTIONS OF THE SITE ARE AVAILABLE. CONTRACTOR TO UTILIZE WORKMANLIKE STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH DAYS WORK. ALL DEBRIS, MATERIALS, AND TOOLS SHALL BE PROPERLY STOCKPILED OR DISPOSED OF. ALL PAVED SURFACES SHALL BE SWEEPED CLEAN AT THE END OF EACH DAYS WORK.
 - WEEDING
 - BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
 - TOPSOILING
 - CONTRACTOR TO PROVIDE FOUR INCHES (4") MINIMUM THICK TOPSOIL LAYER IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO PRODUCE A FOUR INCH (4") COMPACTED THICKNESS. TOPSOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED. CONTRACTOR TO FURNISH AN ANALYSIS OF ON-SITE TOPSOIL LEVELS IN ALL PLANTING AREAS. ADJUST pH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE GROWING MEDIUM.
 - SOIL CONDITIONING
 - CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. SPREAD EVENLY IN ALL PLANTING AREAS AND TILL (2 DIRECTIONS) INTO TOP 4" WITH THE FOLLOWING PER 1,000 SQ. FT.:
150 POUNDS 'GRO-POWER'
100 POUNDS AGRICULTURAL GYPSUM
20 POUNDS NITROFORM (COURSE) 38-0-0 BLUE CHIP
- SOIL MODIFICATIONS:**
- THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. USE COMPOSTED BARK, RECYCLED YARD WASTE, PEAT MOSS, OR MUNICIPAL PROCESSED SEWAGE SLUDGE. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. RECYCLED MATERIAL BY THE SUPPLIER. AVOID MATERIAL WITH A pH HIGHER THAN 7.5.
- MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. IMPROVE DRAINAGE IN HEAVY SOILS BY PLANTING ON RAISED MOUNDS OR BEDS INCLUDING SUBSURFACE DRAINAGE LINES.
- MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.

GENERAL RANGE OF SOIL MODIFICATIONS & VOLUMES FOR VARIOUS SOIL CONDITIONS

POST-CONSTRUCTION SOIL CONDITION	MIN./WIDTH PREPARED SOIL FOR TREES (X)	TYPE OF PREPARATION
GOOD SOIL (NOT PREVIOUSLY GRADED OR COMPACTED, TOPSOIL LAYER INTACT)	6 FT. OR TWICE THE WIDTH OF THE ROOT BALL, WHICHEVER IS GREATER	LOOSEN THE EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN IN DETAILS ABOVE.
COMPACTED SOIL (NOT PREVIOUSLY GRADED, TOPSOIL LAYER DISTURBED BUT NOT ELIMINATED)	15 FT.	LOOSEN THE EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN IN DETAILS ABOVE; ADD COMPOSTED ORGANIC CONTENT UP TO 5% DRY WEIGHT.
GRADED SUBSOILS AND CLEAN FILLS WITH CLAY CONTENT BETWEEN 5 & 35%	20 FT.	MINIMUM TREATMENT: LOOSEN EXISTING SOIL TO WIDTHS AND DEPTHS SHOWN, ADD COMPOSTED ORGANIC MATTER TO BRING ORGANIC CONTENT UP TO 5% DRY WEIGHT. OPTIMUM TREATMENT: REMOVE TOP 8-10 IN. OR THE EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN, ADD 8-10 IN. OF LOAM TOPSOIL.
POOR QUALITY FILLS, HEAVY CLAY SOILS, SOILS CONTAMINATED WITH RUBBLE OR TOXIC MATERIAL	20 FT.	REMOVE EXISTING SOILS TO THE WIDTHS AND DEPTHS CONTAMINATED WITH RUBBLE OR TOXIC MATERIAL

REFERENCE: ARCHITECTURAL GRAPHIC STANDARDS 1998 CUMULATIVE SUPPLEMENT.

- NOTES:
- NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
 - PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.

MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS. TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY WITH HERBICIDE AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.

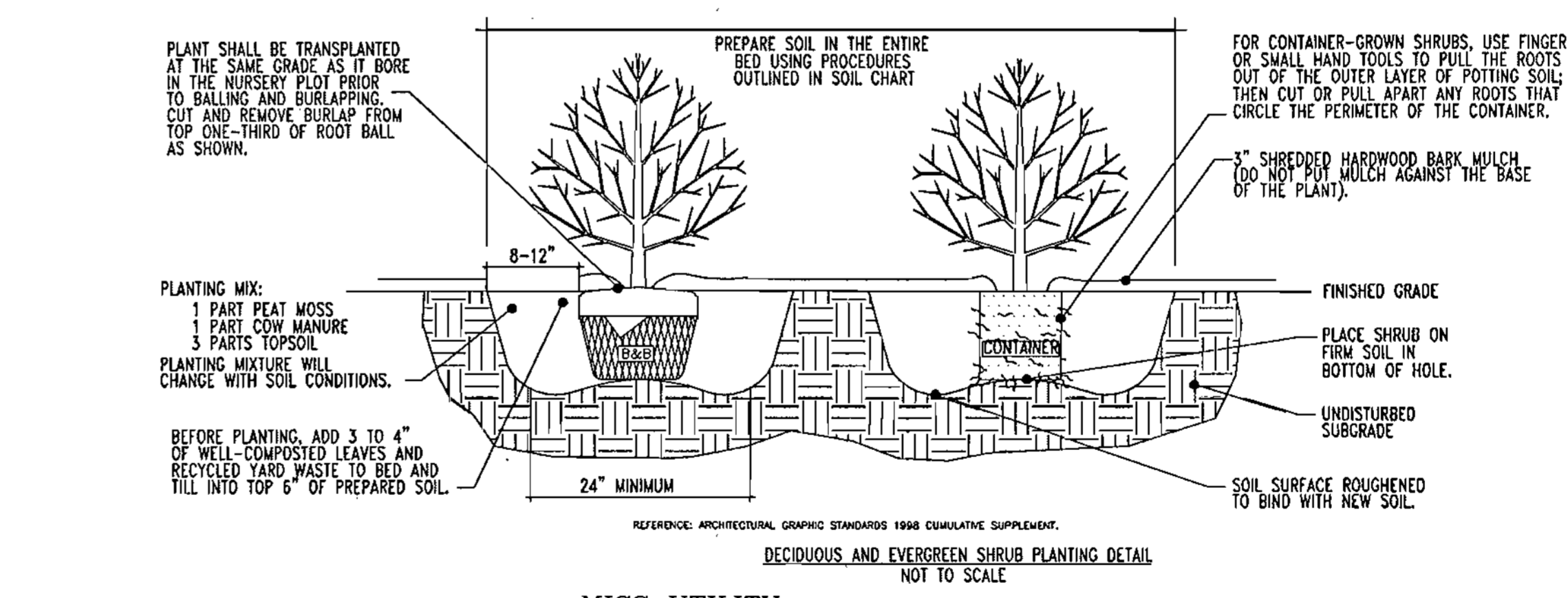
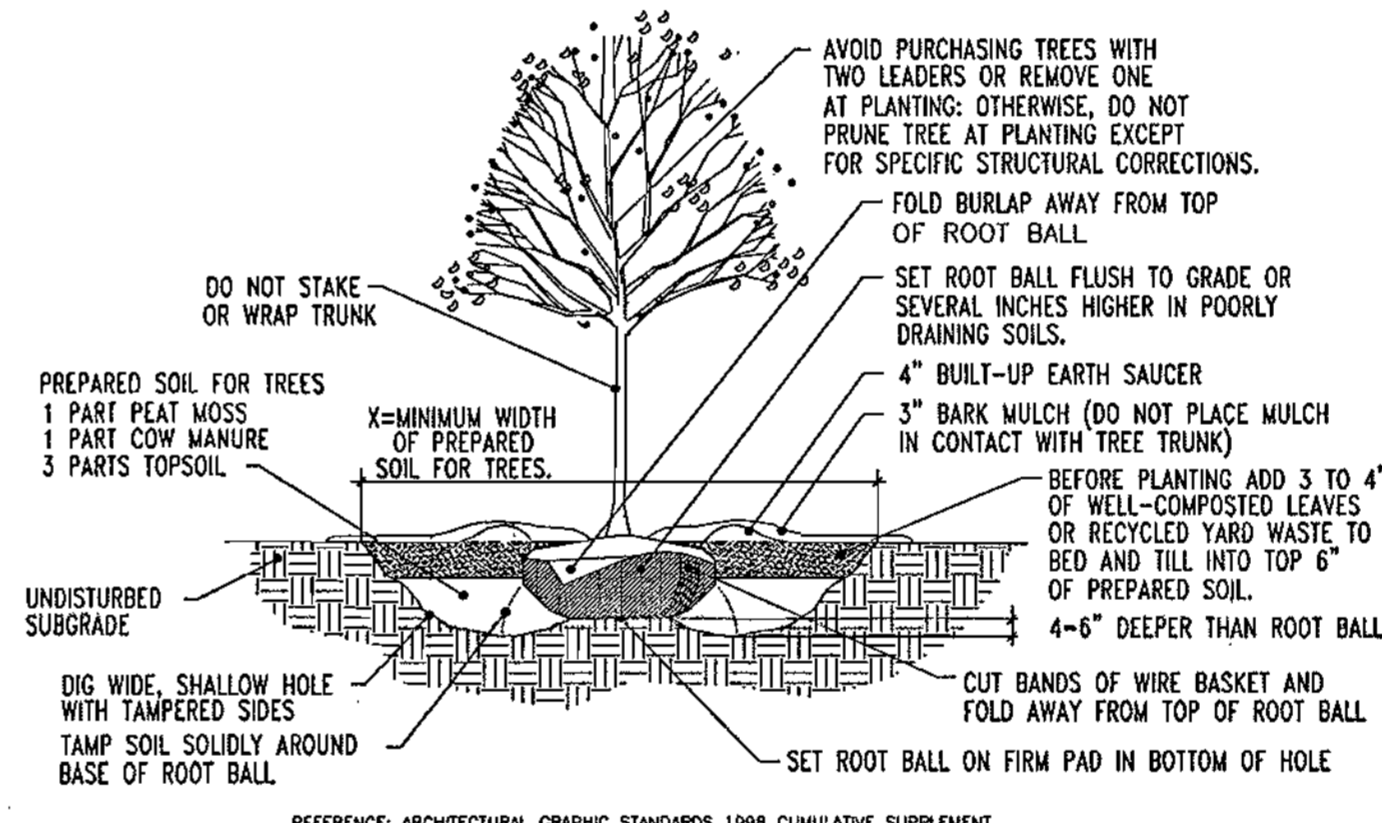
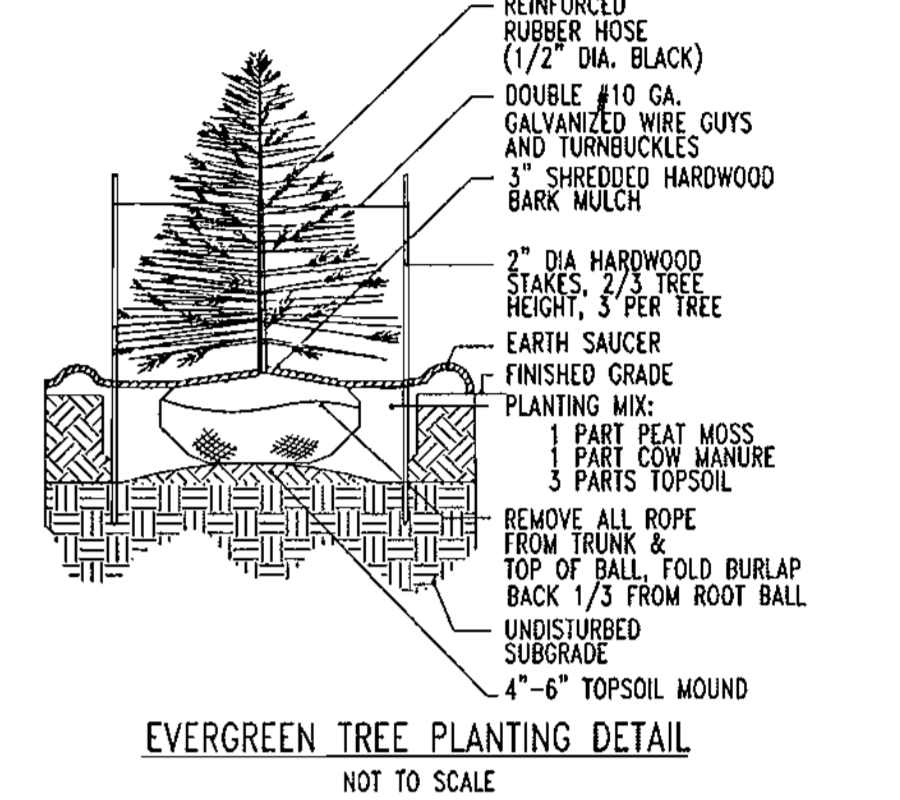
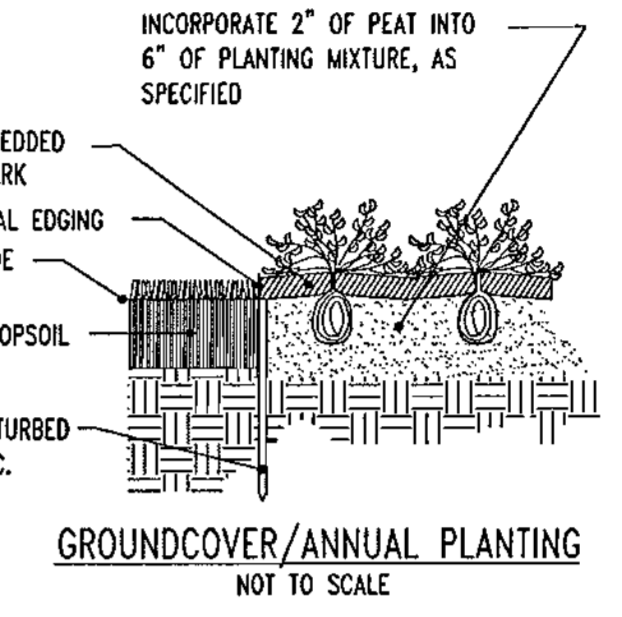
MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.

13. MAINTENANCE (ALTERNATE BID)
COST PER MONTH AFTER INITIAL 90-DAY MAINTENANCE PERIOD.

SEEDING SPECIFICATIONS

- PRIOR TO SEEDING, AREA IS TO BE TOPSOILED, FINE GRADED, AND RAKED OF ALL DEBRIS LARGER THAN 2" DIAMETER.
 - PRIOR TO SEEDING, CONSULT MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
- SEEDING RATES:
- | | |
|-----------------------|-------------------|
| PERENNIAL RYEGRASS | 1/2 LB/1000 SQ FT |
| KENTUCKY BLUEGRASS | 1 LB/1000 SQ FT |
| RED FESCUE | 1/2 LB/1000 SQ FT |
| SPREADING FESCUE | 1/2 LB/1000 SQ FT |
| FERTILIZER (20-10-10) | 2 LB/1000 SQ FT |
| MULCH | 90 LB/1000 SQ FT |
- GERMINATION RATES WILL VARY AS TO TIME OF YEAR FOR SOWING. CONTRACTOR TO IRRIGATE SEEDED AREA UNTIL AN ACCEPTABLE STAND OF COVER IS ESTABLISHED BY OWNER.

- NOTES:
- NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
 - REMOVE ALL ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK 1/3 FROM ROOT BALL.
 - PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY.
 - THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
 - THE BOTTOM OF PLANTING PIT EXCAVATIONS SHOULD BE ROUGH TO AVOID MATING OF SOIL LAYERS AS NEW SOIL IS ADDED. IT IS PREFERABLE TO TILL THE FIRST LIFT (2 TO 3 IN.) OF PLANTING SOIL INTO THE SUBSOIL.



SOD TO BE USED FOR PERMANENT STABILIZATION WHENEVER POSSIBLE

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 10/13/04 DATE
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 [Signature] 10/22/04 DATE
 CHIEF-DIVISION & LAND DEVELOPMENT
 [Signature] 10/24/04 DATE
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 [Signature] 10/18/04 DATE
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
OWNER	DEVELOPER	
HOPKINS ROAD LIMITED PARTNERSHIP	EXXON MOBIL CORPORATION	
9030 RED BRANCH ROAD	C/O TRAMEL CROW COMPANY	
SUITE 200	3225 GALLOWAY ROAD, ROOM 5W218	
COLUMBIA, MD 21045-2055	FAIRFAX, VA 22037	

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 #10 GARDNERVILLE COURT, SUITE 500, TOWSON, MD 21286
 (410) 821-7500 FAX: (410) 821-7501 | bollereng.com

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE: DRAWING NO. 13 OF 17

MISS UTILITY



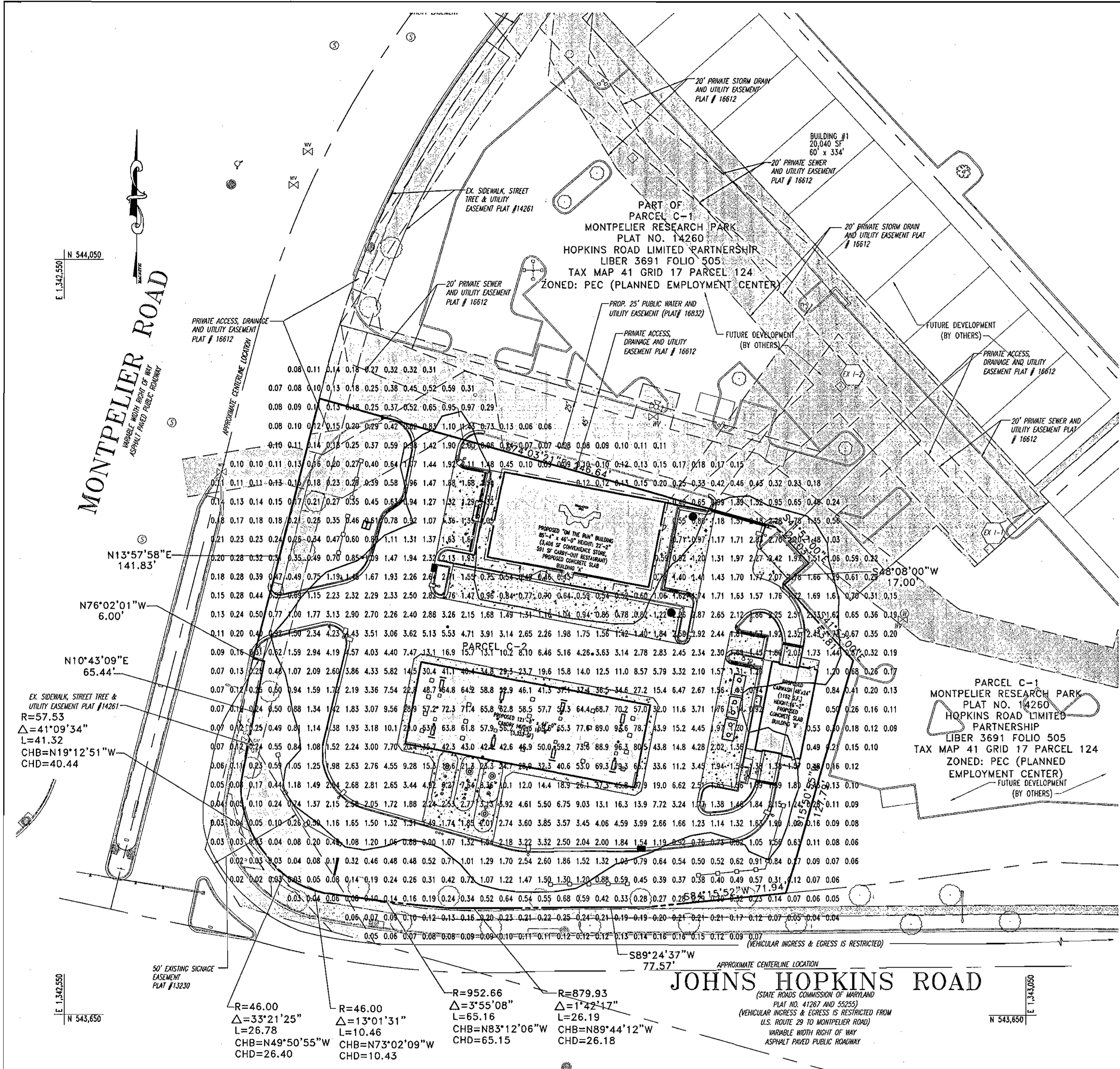
BEFORE YOU DIG CALL 800-855-7777
 PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

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 REGULATIONS THEREO APPURTENANT.
 THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

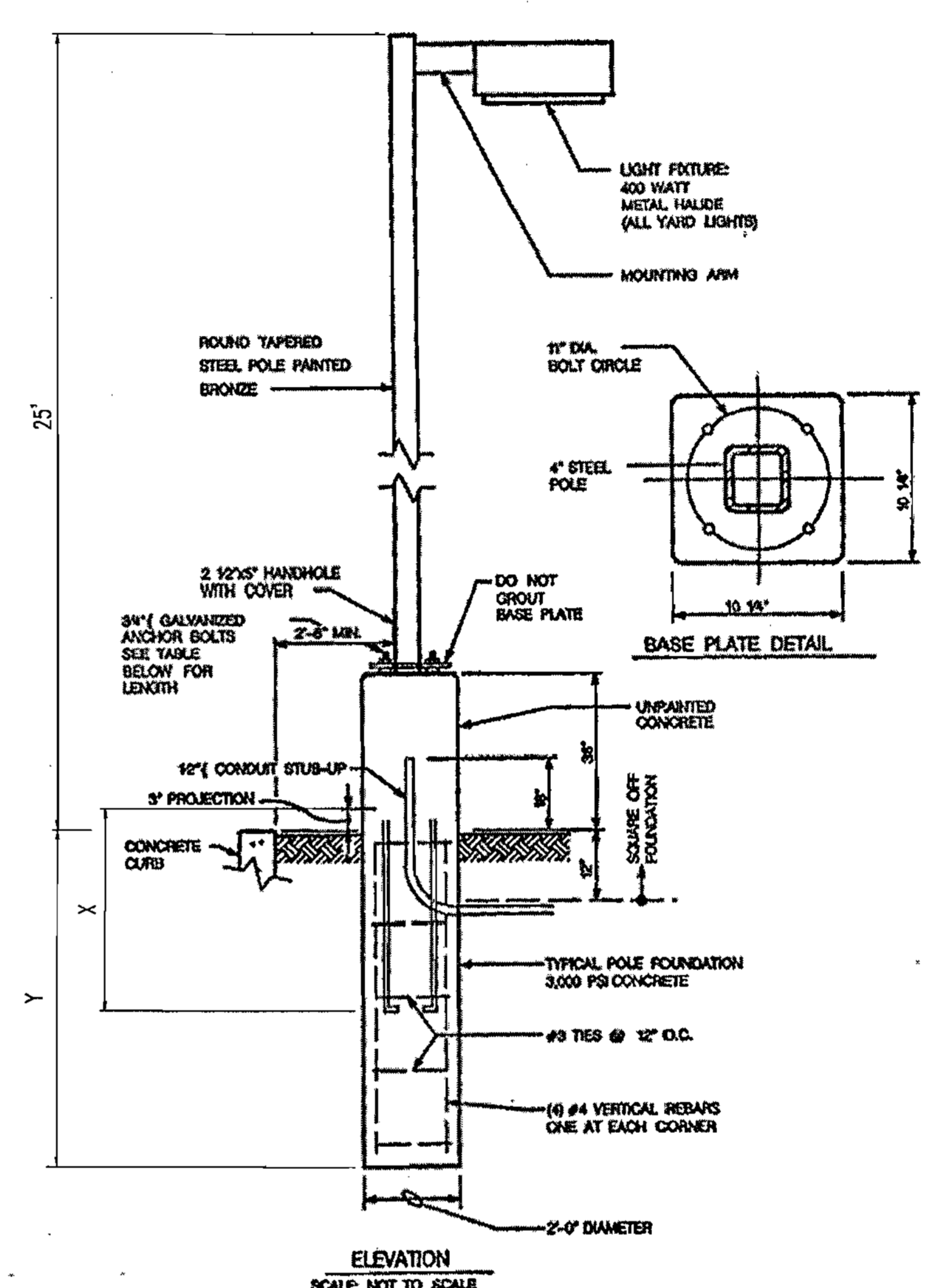
ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION	BLOCK#	ZONING	TAX MAP NO.
16832	17	PEC	41
WATER CODE	ELECT. DISTR.	CENSUS TRACT	
E21	5	6051.02	
SEWER CODE			
			6440000

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 CONTRACTORS 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.



- EC-A-18-1-3H-400MH-120-BRP
400W MH
MOUNTING HEIGHT = 25'
FROM POLE TO PHOTOMETRIC CENTER = 2'
INITIAL LUMENS PER LAMP = 40000
LIGHT LOSS FACTOR (LLF) = 0.8
NUMBER POLES THIS TYPE = 8
- EC-A-18-2-3H-400MH-120-BRP
400W MH
MOUNTING HEIGHT = 25'
FROM POLE TO PHOTOMETRIC CENTER = 2'
INITIAL LUMENS PER LAMP = 40000
LIGHT LOSS FACTOR (LLF) = 0.8
NUMBER POLES THIS TYPE = 1
- (20) SCOTTSDALE LIGHT FIXTURES
#SC-S-320-SMV-PG-WT-WHT-NO



POLE HEIGHT
 < 15' > 15'
 X 15" 30"
 Y 4'-6" 5'-0"

TYPICAL YARD LIGHT DETAIL - ECOLUME BY EMCO OR APPROVED EQUAL
 FURNISHED AND INSTALLED BY GENERAL CONTRACTOR

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 10/23/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 [Signature] 10/23/04
 CHIEF-DIVISION & LAND DEVELOPMENT
 [Signature] 10/23/04
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 [Signature] 10/23/04
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
OWNER	HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	DEVELOPER EXXON MOBIL CORPORATION C/O TRAMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037
PROJECT	EXXON MOBIL PROPOSED EXXON GAS STATION	
AREA	TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND	
TITLE	LIGHTING PLAN	

BOHLER ENGINEERING, P.C.
 *PROFESSIONAL ENGINEERING SERVICES
 #1510 GLENDALES COURT, SUITE 300, TOWSON, MD 21286
 #410 81-700 FAX (410) 521-7001 #410 521-7002

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MDC34006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 14 OF 17



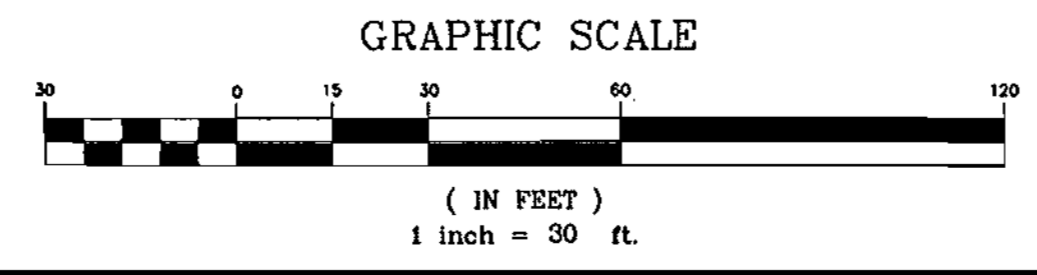
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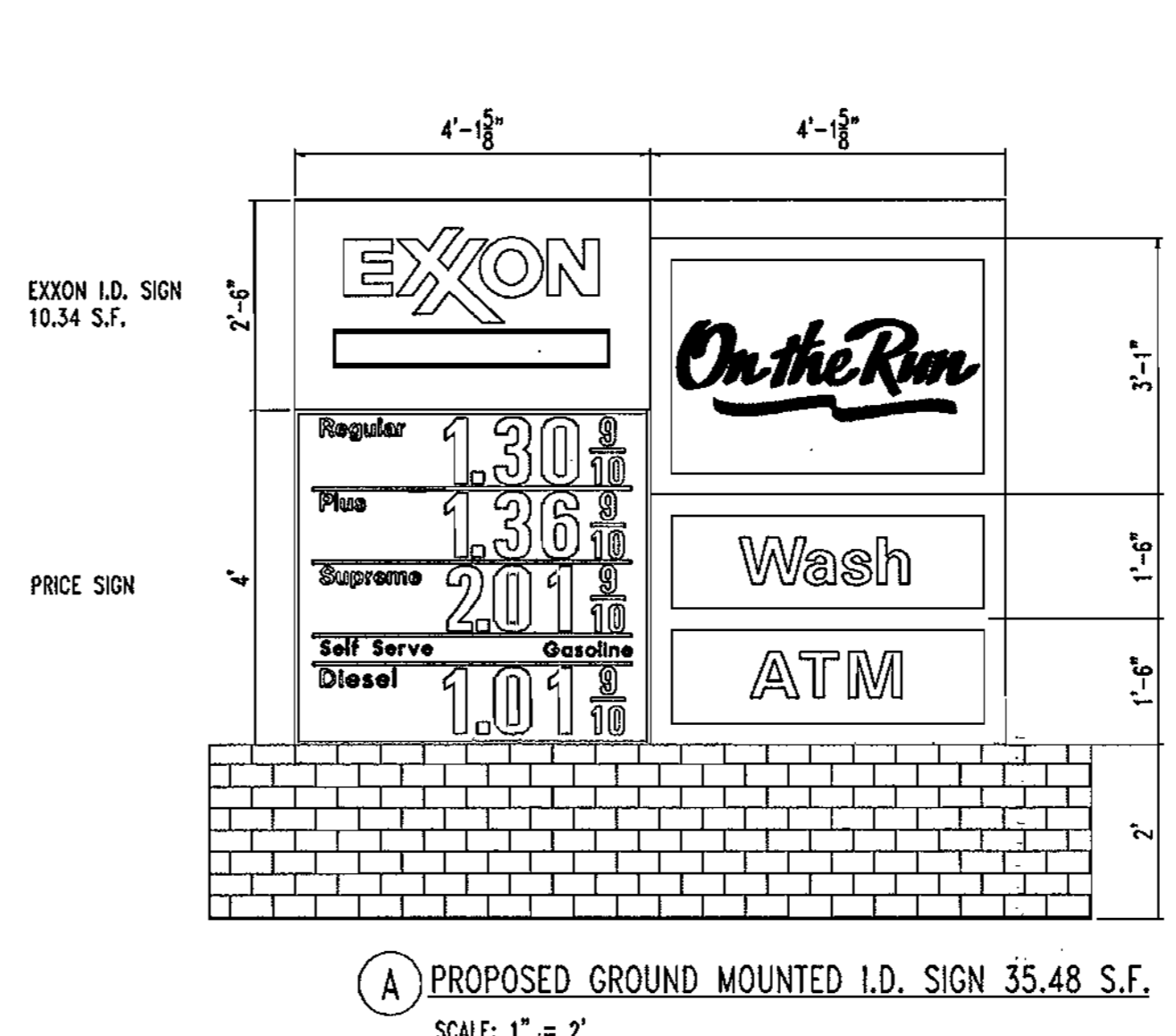
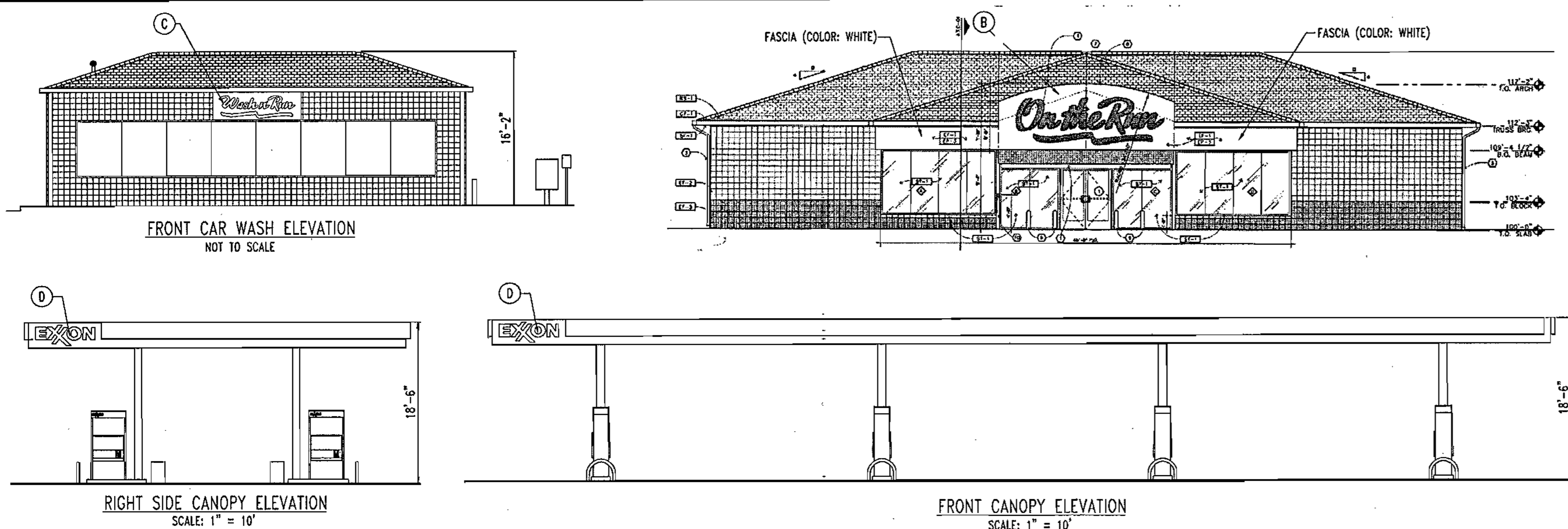
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ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION	BLOCK	ZONING	ELECT. DISTR.
16832	17	PEC	5
WATER CODE		SEWER CODE	6440000

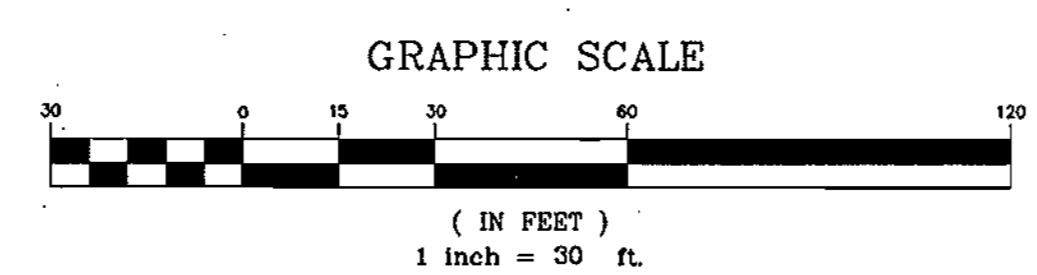
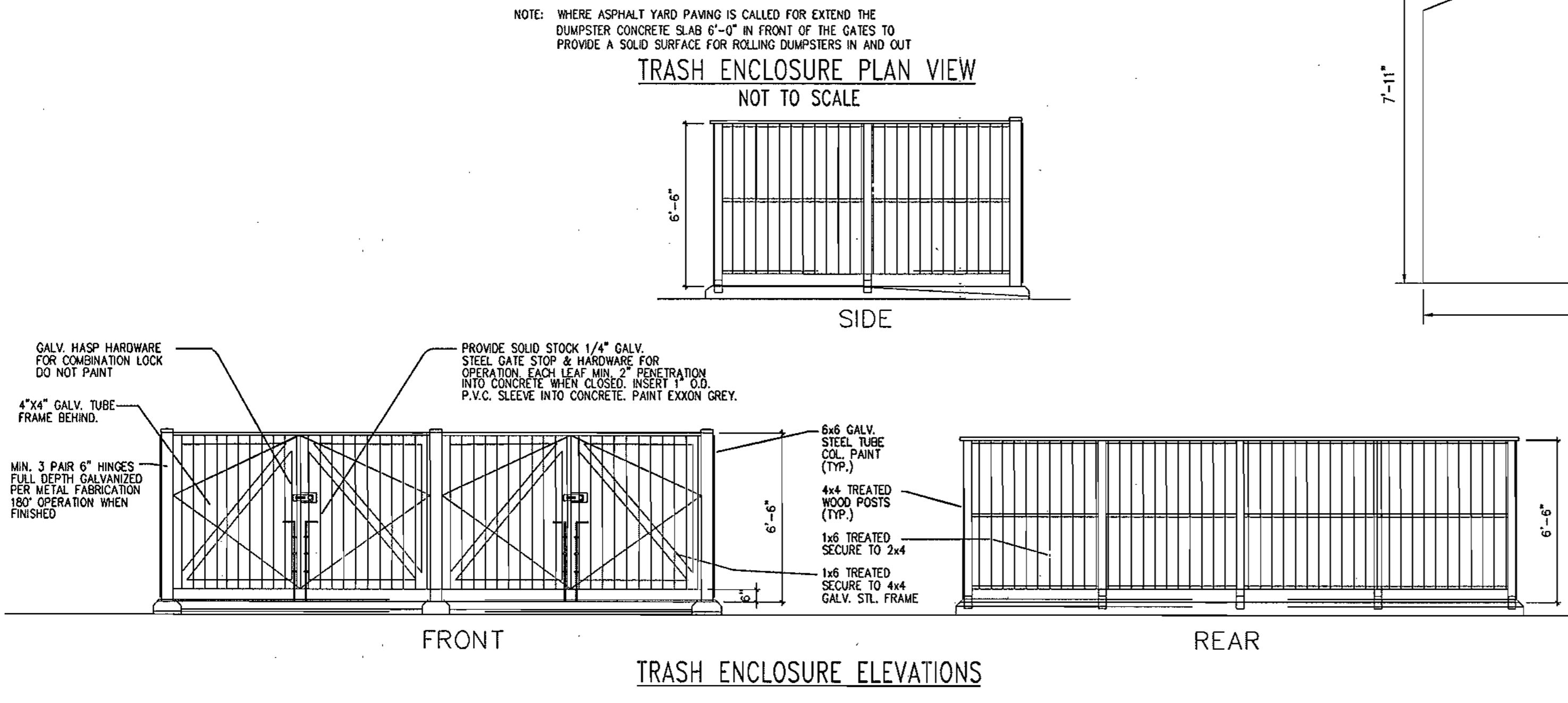
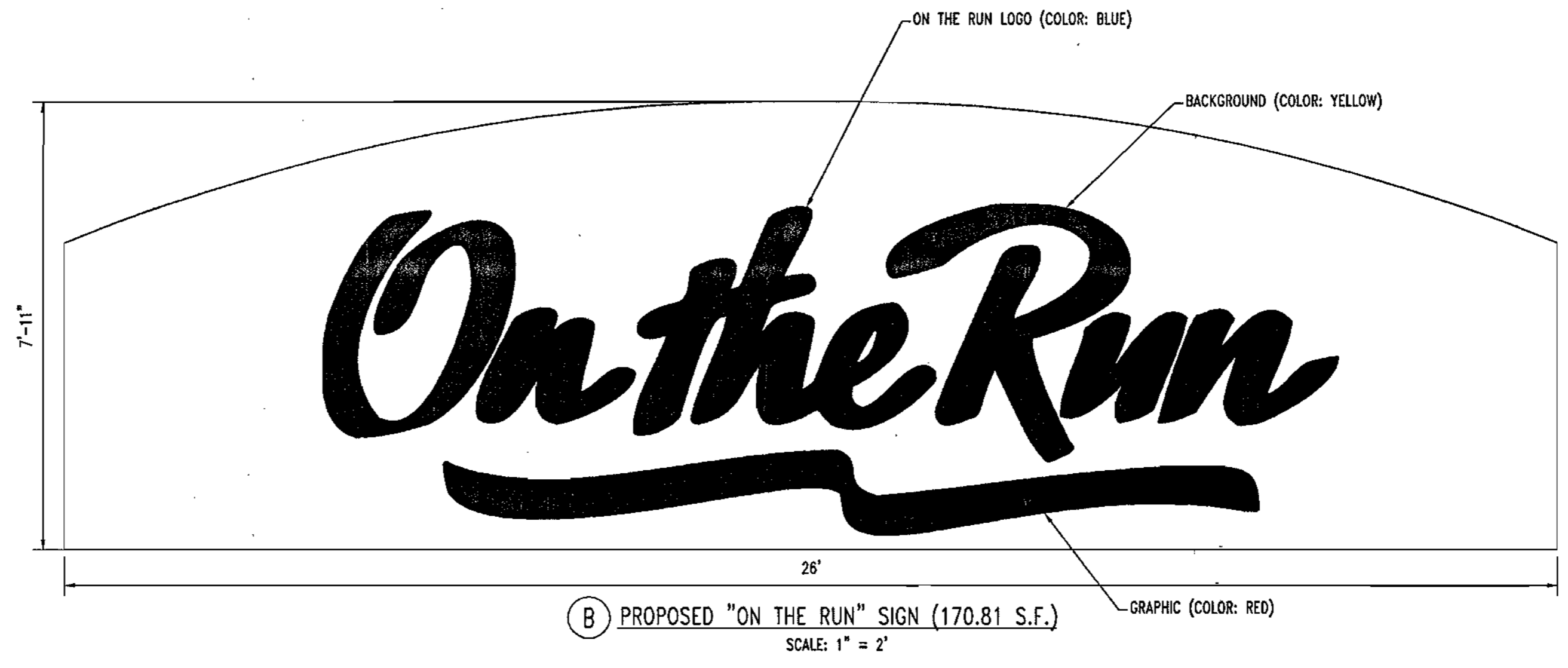
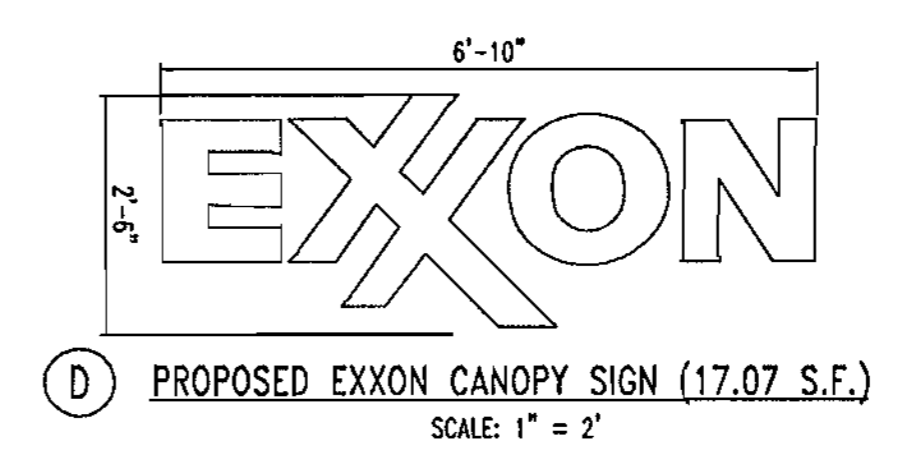
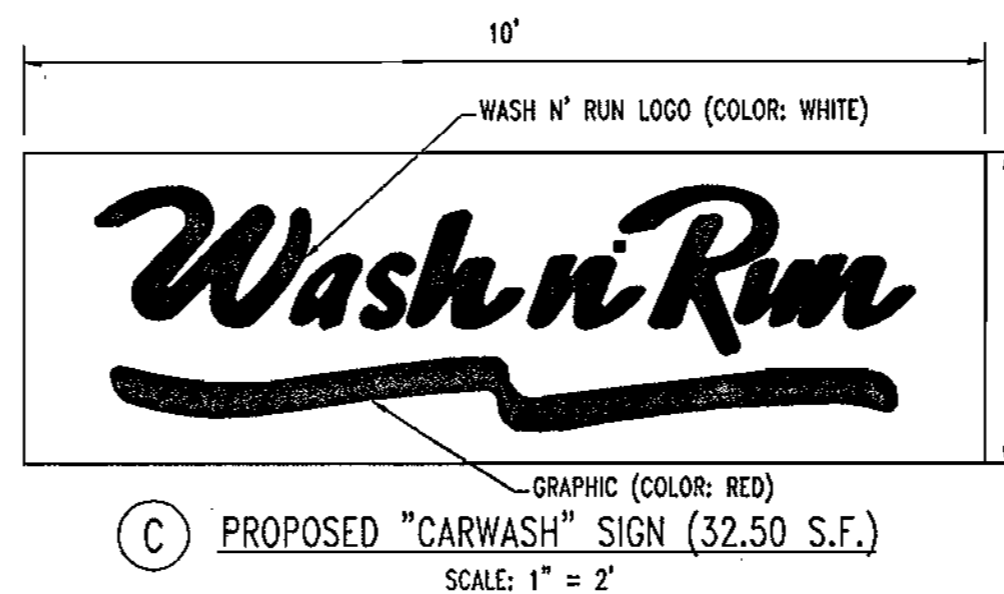
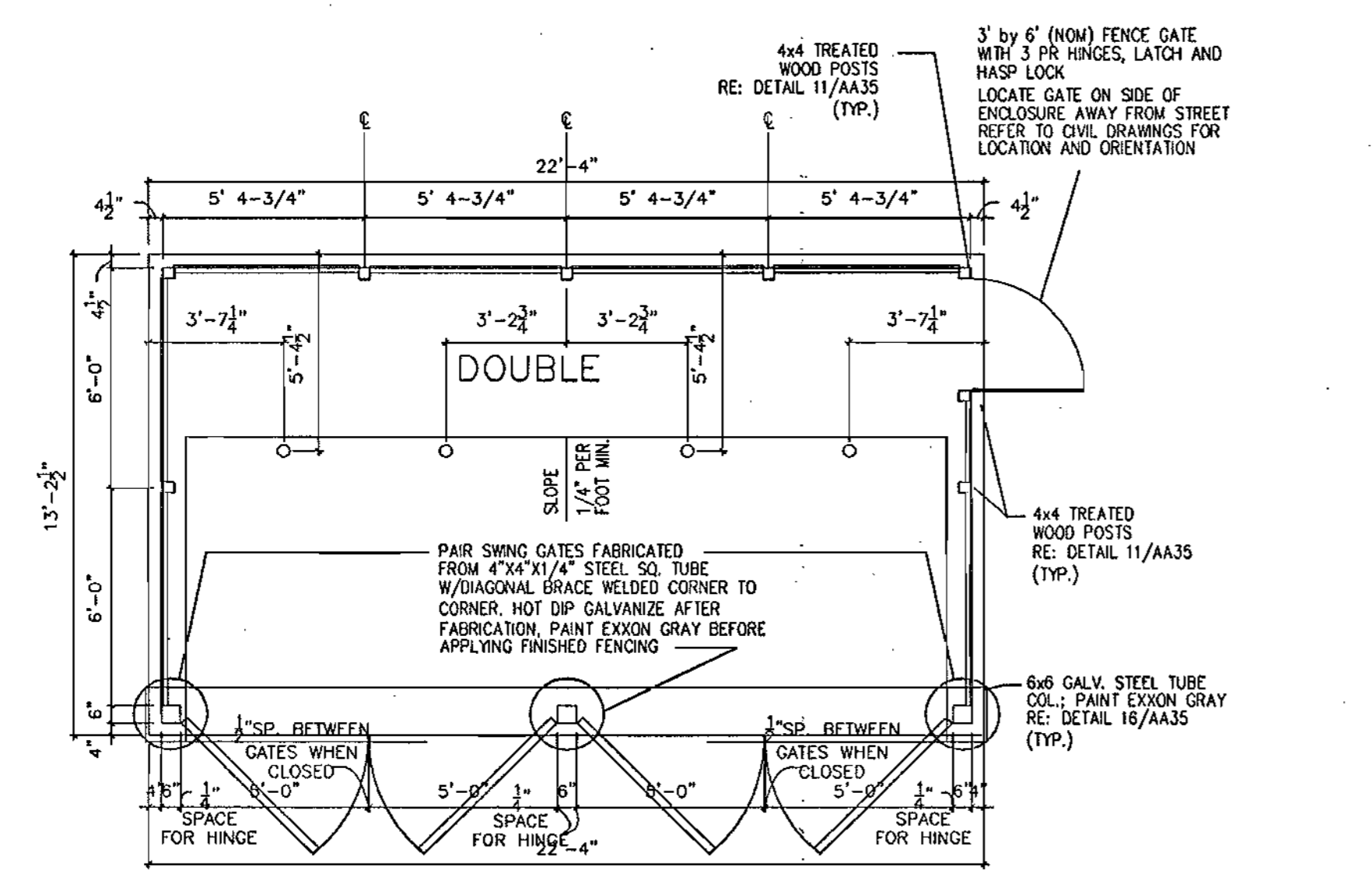
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SIGNAGE CALCULATIONS

SYM.	TYPE	AREA (S.F.)	QUANTITY	TOTAL (S.F.)
A.	GROUND MOUNTED ID SIGN (JOHNS HOPKINS ROAD) (HT.=8'-6") COMMERCIAL ID	35.48	1	35.48
3.	"ON THE RUN" SIGN	170.81	1	170.81
4.	CARWASH SIGN	32.50	1	32.50
5.	CANOPY SIGN	17.07	2	34.14
TOTAL PROPOSED SIGNAGE = 258.79 S.F. (NOT INCLUDING 32.00 S.F. OF PRICE SIGNAGE)				
TOTAL PERMITTED JOHNS HOPKINS ROAD SIGNAGE 2 S.F./L.F. OF PRIMARY FRONTAGE 2 S.F./L.F. x (85.33 L.F. + 24 L.F.) = 218.66 S.F. 170.81 S.F. ("ON THE RUN" SIGN) + 17.07 (SIGN) = 187.88 S.F. TOTAL PROPOSED JOHNS HOPKINS ROAD SIGNAGE = 187.88 S.F.				
TOTAL PERMITTED MONTPELIER ROAD SIGNAGE 1 S.F./L.F. OF SECONDARY FRONTAGE 1 S.F./L.F. x (46 L.F. + 48 L.F.) = 94.00 S.F. 35.48 (GROUND MOUNTED COMMERCIAL) + 17.07 (CANOPY SIGN) + 32.50 ("CAR WASH" SIGN) = 85.05 S.F. TOTAL PROPOSED MONTPELIER ROAD SIGNAGE = 85.05 S.F.				
FREESTANDING SIGNAGE PERMITTED (JOHNS HOPKINS ROAD): 1 S.F./L.F. SETBACK FROM RIGHT OF WAY: 1 S.F. x 10 L.F. = 10 S.F. PROPOSED: 35.48 S.F.*				
MAXIMUM FREESTANDING HEIGHT PERMITTED (JOHNS HOPKINS ROAD): 1 L.F./2 L.F. SETBACK FROM RIGHT OF WAY: 1 L.F./2 L.F. x 10 L.F. = 5' PROPOSED: 8.5'*				
MAXIMUM PRICE SIGN AREA (JOHNS HOPKINS ROAD): PROPOSED: 16.54 S.F.				



SIGNAGE IS NOT REVIEWED AS PART OF THIS APPLICATION

MISS UTILITY



BEFORE YOU DIG CALL
1-800-251-7777
PROTECT YOURSELF, ONE TWO WORKING DAYS NOTICE

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THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	TAX MAP NO.	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	41	C2/124
PLAT RECORDATION	BLOCK#	ZONING	ELECT. DISTRICT
16832	17	PEC	5
WATER CODE	SEWER CODE	CENSUS TRACT	
E21	6440000	6051.02	

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 CHIEF-DIVISION OF LAND DEVELOPMENT
 DIRECTOR

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

NO.	DATE	REVISION DESCRIPTION
OWNER	DEVELOPER	
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037	

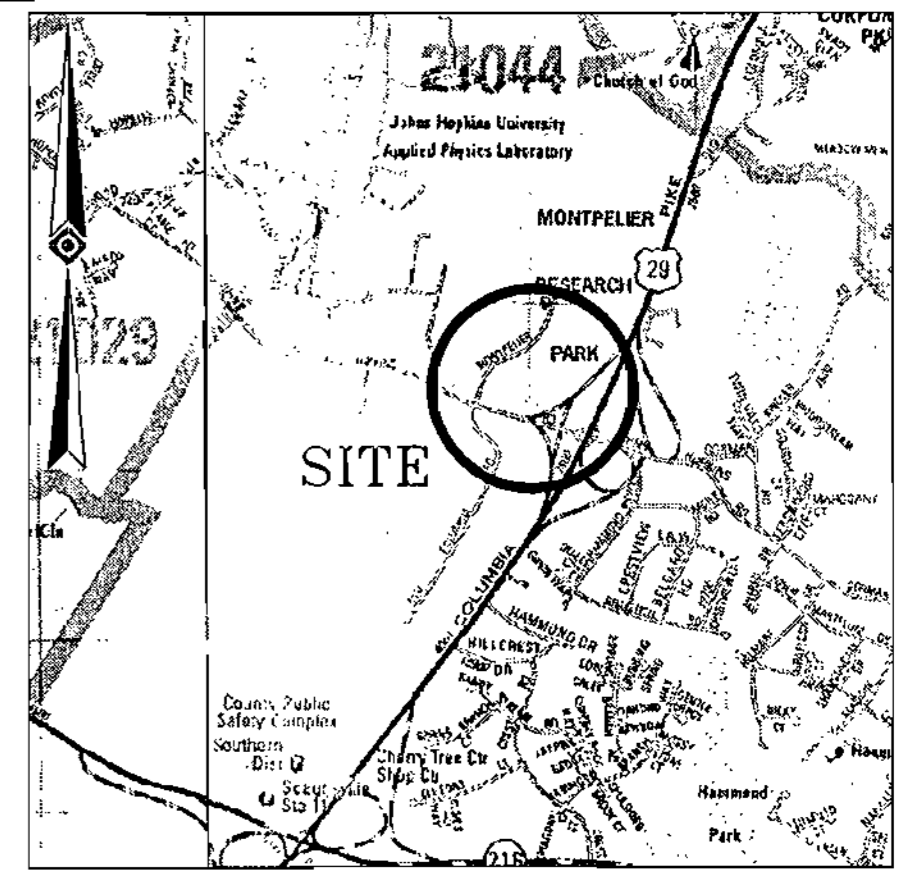
PROJECT EXXON MOBIL PROPOSED EXXON GAS STATION
AREA TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE SIGNAGE PLAN

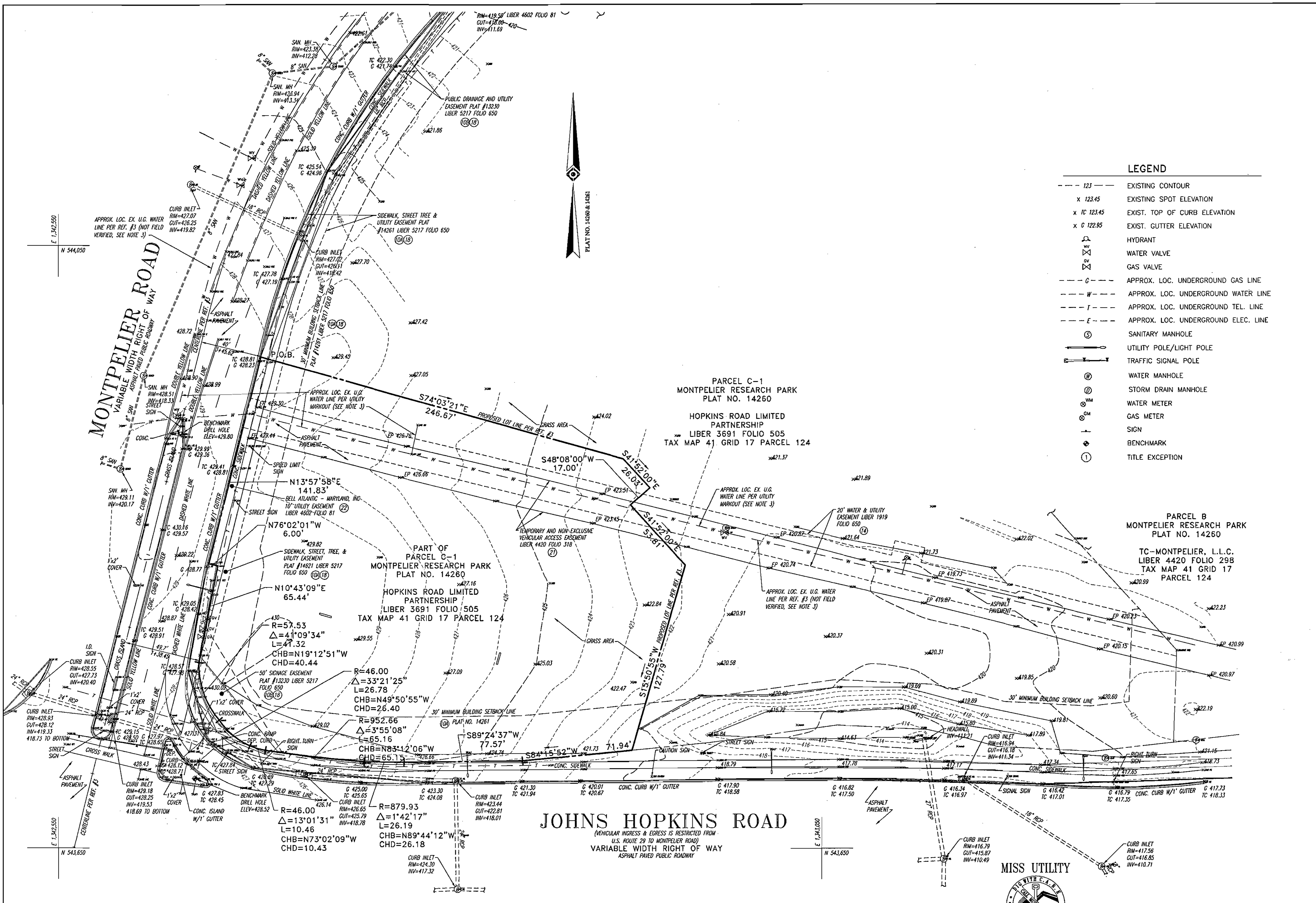
BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 8110 CLINGMAN'S COUNTRY, SUITE 300, TOWSON, MD 21286
 (410) 621-7900 FAX: (410) 621-7987 | www.bohlereng.com

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 15 OF 17

GENERAL NOTE:
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VICINITY MAP
A.D.C. THE MAP PEOPLE
PERMIT USE NO. 20598572



- LEGEND**
- 123 --- EXISTING CONTOUR
 - x 123.45 EXISTING SPOT ELEVATION
 - x TC 123.45 EXIST. TOP OF CURB ELEVATION
 - x G 122.85 EXIST. GUTTER ELEVATION
 - ⊕ HYDRANT
 - ⊕ WATER VALVE
 - ⊕ GAS VALVE
 - G --- APPROX. LOC. UNDERGROUND GAS LINE
 - W --- APPROX. LOC. UNDERGROUND WATER LINE
 - T --- APPROX. LOC. UNDERGROUND TEL. LINE
 - E --- APPROX. LOC. UNDERGROUND ELEC. LINE
 - ⊕ SANITARY MANHOLE
 - ⊕ UTILITY POLE/LIGHT POLE
 - ⊕ TRAFFIC SIGNAL POLE
 - ⊕ WATER MANHOLE
 - ⊕ STORM DRAIN MANHOLE
 - ⊕ WATER METER
 - ⊕ GAS METER
 - ⊕ SIGN
 - ⊕ BENCHMARK
 - ⊕ TITLE EXCEPTION

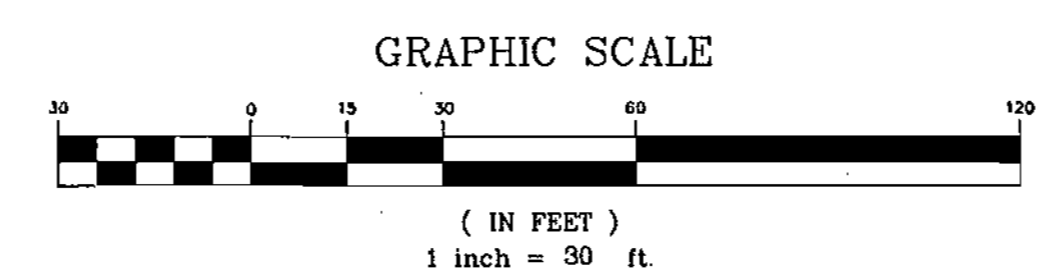
PARCEL C-1
MONTPELIER RESEARCH PARK
PLAT NO. 14260

HOPKINS ROAD LIMITED
PARTNERSHIP
LIBER 3691 FOLIO 505
TAX MAP 41 GRID 17 PARCEL 124

PARCEL B
MONTPELIER RESEARCH PARK
PLAT NO. 14260

TC-MONTPELIER, L.L.C.
LIBER 4420 FOLIO 298
TAX MAP 41 GRID 17
PARCEL 124

JOHNS HOPKINS ROAD
(VEHICULAR INGRESS & EGRESS IS RESTRICTED FROM
U.S. ROUTE 29 TO MONTPELIER ROAD)
VARIABLE WIDTH RIGHT OF WAY
ASPHALT PAVED PUBLIC ROADWAY



ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART				
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.		
EXXONMOBIL GAS STATION	N/A	C2/124		
PLAT RECORDATION BLOCK#	ZONING	TAX MAP NO.	ELECT. DISTR.	CENSUS TRACT
16832	17	41	5	6051.02
WATER CODE	SEWER CODE			
E21	8440000			

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/12/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION & DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/20/04
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT DATE

NO.	DATE	REVISION DESCRIPTION

OWNER: HOPKINS ROAD LIMITED PARTNERSHIP
 903C RED BRANCH ROAD SUITE 200
 COLLEGE PARK, MD 20746-2055

DEVELOPER: EXXON MOBIL CORPORATION
 C/O TRAMEL CROW COMPANY
 3225 GALLOWAY ROAD, ROOM 5W218
 FAIRFAX, VA 22037

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION

AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE: ALTA/ASCM LAND TITLE SURVEY

BOHLER ENGINEERING, P.C.
 1114 GREENGLASS COURT, SUITE 300, TOWSON, MD 21286
 (410) 521-7900 FAX: (410) 521-7977 | www.bohlereng.com

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 16 OF 17

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.

SDP-04-117

LOG OF BORING NO. MW-1

Sheet 1 of 1

PROJECT: Johns Hopkins Exxon
 PROJECT NO: 030438
 PROJECT LOCATION: Howard County, Maryland
 DATE STARTED: May 20, 2003
 DATE COMPLETED: May 20, 2003
 DRILLING CONTRACTOR: B. L. Meyers
 DRILLER: Client
 DRILLING METHOD: HSA
 SAMPLING METHOD: Discrete Sampling

WATER LEVEL: $\frac{3}{4}$ $\frac{3}{4}$
 DATE: _____
 CAVED (R): _____
 GROUND SURFACE ELEVATION: _____
 DATUM: Assumed Topo
 EQUIPMENT: Schramm T-450
 LOGGED BY: Client
 CHECKED BY: P. Fanara

SAMPLE NUMBER	SAMPLE DEPTH (ft)	SAMPLE RECOVERY (%)	SAMPLE BLOWLOG INCHES	N (blows)	ELEVATION (ft)	USCS	DESCRIPTION	REMARKS
1	0.0				0	CH	Dark brown, Sandy Fat CLAY with trace of Mica.	Trace of topsoil at surface.
2	2.0				5	ML SM	AASHTO: A-7-6 (Possible Fill to 4.0 feet)	Water encountered at 41.5 feet.
3	6.0	17	14-18-18-20		10	ML SM	Reddish brown, brown, and olive brown, moist, dense to very dense or stiff to hard, Silty SILT and Silty SAND with Mica.	
4	8.0	12	14-10-14-23		15	ML SM	AASHTO: A-2-5	
5	16.0	3	33-60*		17.0		Bottom of Hole at 17.0 Feet.	

NOTES:
 GEO-TECHNOLOGY ASSOCIATES, INC.
 9090 Junction Drive
 Annapolis Junction, Maryland 20701
 LOG OF BORING NO. MW-1

LOG OF BORING NO. MW-2

Sheet 1 of 1

PROJECT: Johns Hopkins Exxon
 PROJECT NO: 030438
 PROJECT LOCATION: Howard County, Maryland
 DATE STARTED: May 20, 2003
 DATE COMPLETED: May 20, 2003
 DRILLING CONTRACTOR: B. L. Meyers
 DRILLER: Client
 DRILLING METHOD: HSA
 SAMPLING METHOD: Discrete Sampling

WATER LEVEL: $\frac{3}{4}$ $\frac{3}{4}$
 DATE: _____
 CAVED (R): _____
 GROUND SURFACE ELEVATION: _____
 DATUM: Assumed Topo
 EQUIPMENT: Schramm T-460
 LOGGED BY: Client
 CHECKED BY: P. Fanara

SAMPLE NUMBER	SAMPLE DEPTH (ft)	SAMPLE RECOVERY (%)	SAMPLE BLOWLOG INCHES	N (blows)	ELEVATION (ft)	USCS	DESCRIPTION	REMARKS
1	0.0				0	CH	Brown, moist, Sandy Fat CLAY with trace Mica.	Topsoil: 1 in.
2	2.0				5	ML SM	AASHTO: A-7-6 (Possible Fill to 4.0 feet)	Water encountered at 41.5 feet.
3	4.0	14	8-7-9-10	15	10	ML SM	Reddish brown, brown, moist, medium dense to dense or stiff to very stiff, Silty SAND and Silty CLAY.	
4	8.0	18	8-19-11-13	21	15	ML SM	Reddish brown, brown, moist, medium dense to dense or stiff to very stiff, Silty SAND and Silty SAND, with trace Clay.	
5	8.0	10	12-12-14-19	28	15	ML SM		
6	16.0	12	14-25-18-16	43	17.0		Bottom of Hole at 17.0 Feet.	

NOTES:
 GEO-TECHNOLOGY ASSOCIATES, INC.
 9090 Junction Drive
 Annapolis Junction, Maryland 20701
 LOG OF BORING NO. MW-2

LOG OF BORING NO. SB-5

Sheet 1 of 1

PROJECT: Johns Hopkins Exxon
 PROJECT NO: 030439
 PROJECT LOCATION: Howard County, Maryland
 DATE STARTED: May 20, 2003
 DATE COMPLETED: May 20, 2003
 DRILLING CONTRACTOR: B. L. Meyers
 DRILLER: Client
 DRILLING METHOD: HSA
 SAMPLING METHOD: Discrete Sampling

WATER LEVEL: $\frac{3}{4}$ $\frac{3}{4}$
 DATE: _____
 CAVED (R): _____
 GROUND SURFACE ELEVATION: _____
 DATUM: Assumed Topo
 EQUIPMENT: Schramm T-450
 LOGGED BY: Client
 CHECKED BY: P. Fanara

SAMPLE NUMBER	SAMPLE DEPTH (ft)	SAMPLE RECOVERY (%)	SAMPLE BLOWLOG INCHES	N (blows)	ELEVATION (ft)	USCS	DESCRIPTION	REMARKS
1	0.0				0	CH	Reddish brown and brown, moist to very moist, firm to stiff, Sandy Fat CLAY with trace Mica, Cobble and Gravel.	Topsoil: 2 in.
2	2.0				5	ML SM	AASHTO: A-7-6 (Possible Fill to 4.0 Feet)	
3	4.0	12	2-4-4-13	13	10	ML SM	Reddish brown, moist, firm to very stiff or medium dense to dense, Silty SAND and Silty SAND.	
4	6.0	10	6-6-6-12	12	10	ML SM		
5	8.0	14	8-5-8-7	11	10	ML SM		
6	15.0	14	8-14-15-18	23	15		Bottom of Hole at 17.0 Feet.	

NOTES:
 GEO-TECHNOLOGY ASSOCIATES, INC.
 9090 Junction Drive
 Annapolis Junction, Maryland 20701
 LOG OF BORING NO. SB-5

LOG OF BORING NO. SB-6

Sheet 1 of 1

PROJECT: Johns Hopkins Exxon
 PROJECT NO: 030438
 PROJECT LOCATION: Howard County, Maryland
 DATE STARTED: May 20, 2003
 DATE COMPLETED: May 20, 2003
 DRILLING CONTRACTOR: B. L. Meyers
 DRILLER: Client
 DRILLING METHOD: HSA
 SAMPLING METHOD: Discrete Sampling

WATER LEVEL: $\frac{3}{4}$ $\frac{3}{4}$
 DATE: _____
 CAVED (R): _____
 GROUND SURFACE ELEVATION: _____
 DATUM: Assumed Topo
 EQUIPMENT: Schramm T-450
 LOGGED BY: Client
 CHECKED BY: P. Fanara

SAMPLE NUMBER	SAMPLE DEPTH (ft)	SAMPLE RECOVERY (%)	SAMPLE BLOWLOG INCHES	N (blows)	ELEVATION (ft)	USCS	DESCRIPTION	REMARKS
1	0.0				0	CH	Reddish brown and brown, moist, stiff to hard, Sandy Fat CLAY with trace Mica, small Gravel.	Topsoil: 1 in.
2	2.0				5	ML SM	AASHTO: A-7-6 (Possible Fill to 4.0 feet)	Groundwater encountered at 41.5 feet.
3	4.0	12	7-10-17-17	27	10	ML SM	Reddish brown, moist, stiff to hard, dense to very dense, gray, olive brown, Silty SAND and Silty SAND with mica, trace Gravel grading downward to a Saprolitic material between 28.0 to 42.0 feet.	
4	6.0	12	10-15-24-19	33	10	ML SM		
5	8.0	12	20-22-22-27	44	10	ML SM	AASHTO: A-2-5	
6	15.0	12	18-27-34-38	81	15			
7	20.0	14	23-29-37-42	62	20			
8	26.0	7	60*	65*	26			
9	30.0	18	28-28-28-33	62	30			
10	35.0	12	33-60*	50*	35			
11	40.0	14	30-40-42-50	82	40			
					42.0		Bottom of Hole at 42.0 Feet.	

NOTES:
 GEO-TECHNOLOGY ASSOCIATES, INC.
 9090 Junction Drive
 Annapolis Junction, Maryland 20701
 LOG OF BORING NO. SB-6

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.

MISS UTILITY
 BEFORE YOU DIG CALL
 1-800-287-2777
 PROTECT YOURSELF, DIG TWO WORKING DAYS AHEAD

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	EXXON MOBIL GAS STATION	SECTION/AREA	N/A
LOT/PARCEL NO.	C2/124		
PLAT RECORDATION	BLOCK# 17	ZONING	FEZ
TAX MAP NO.	41	ELECT. DISTR	5
CENSUS TRACT	8051.02		
WATER CODE	E21	SEWER CODE	6440000

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 CHIEF-DIVISION & LAND DEVELOPMENT
 DIRECTOR

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

NO.	DATE	REVISION DESCRIPTION
OWNER	DEVELOPER	
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037	

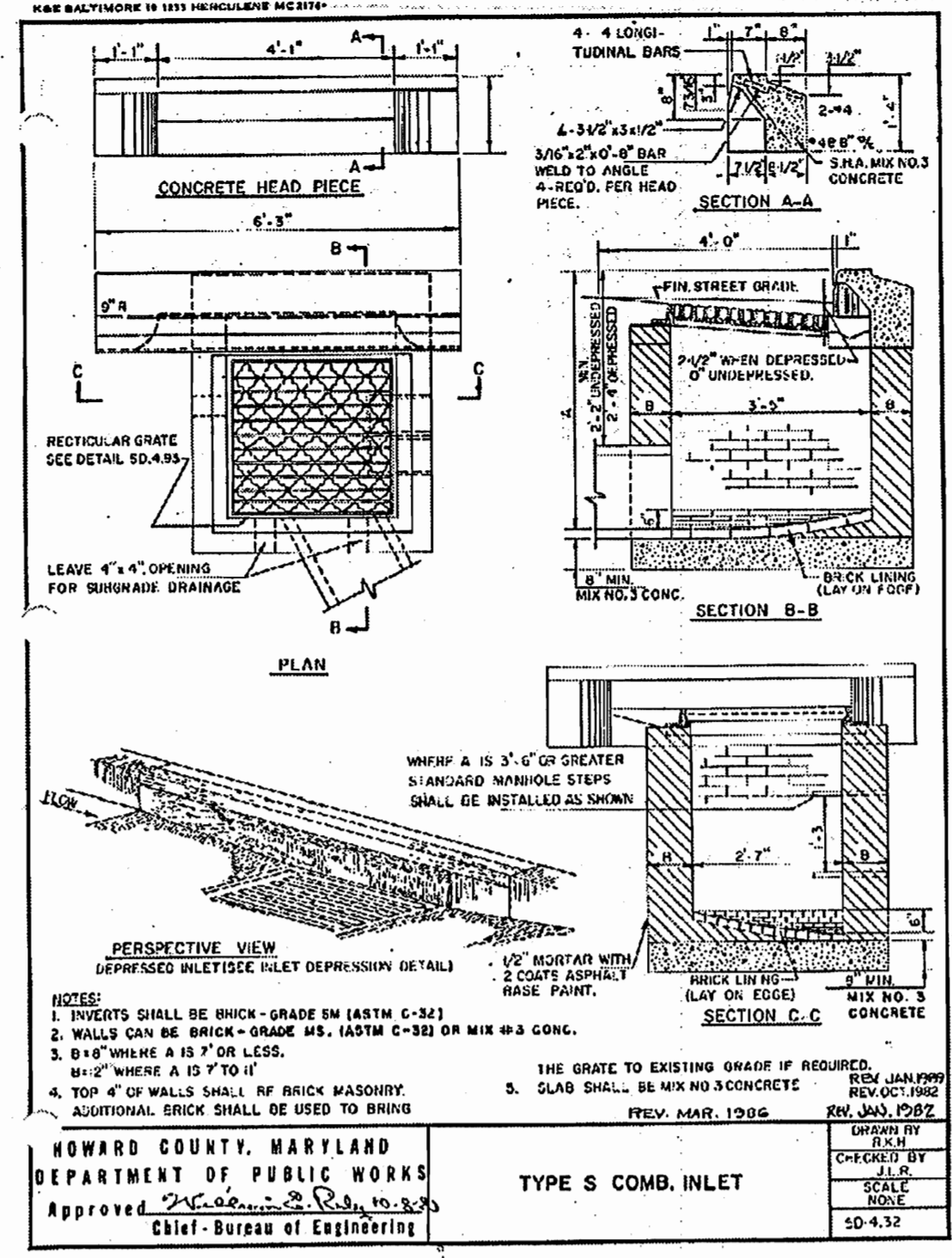
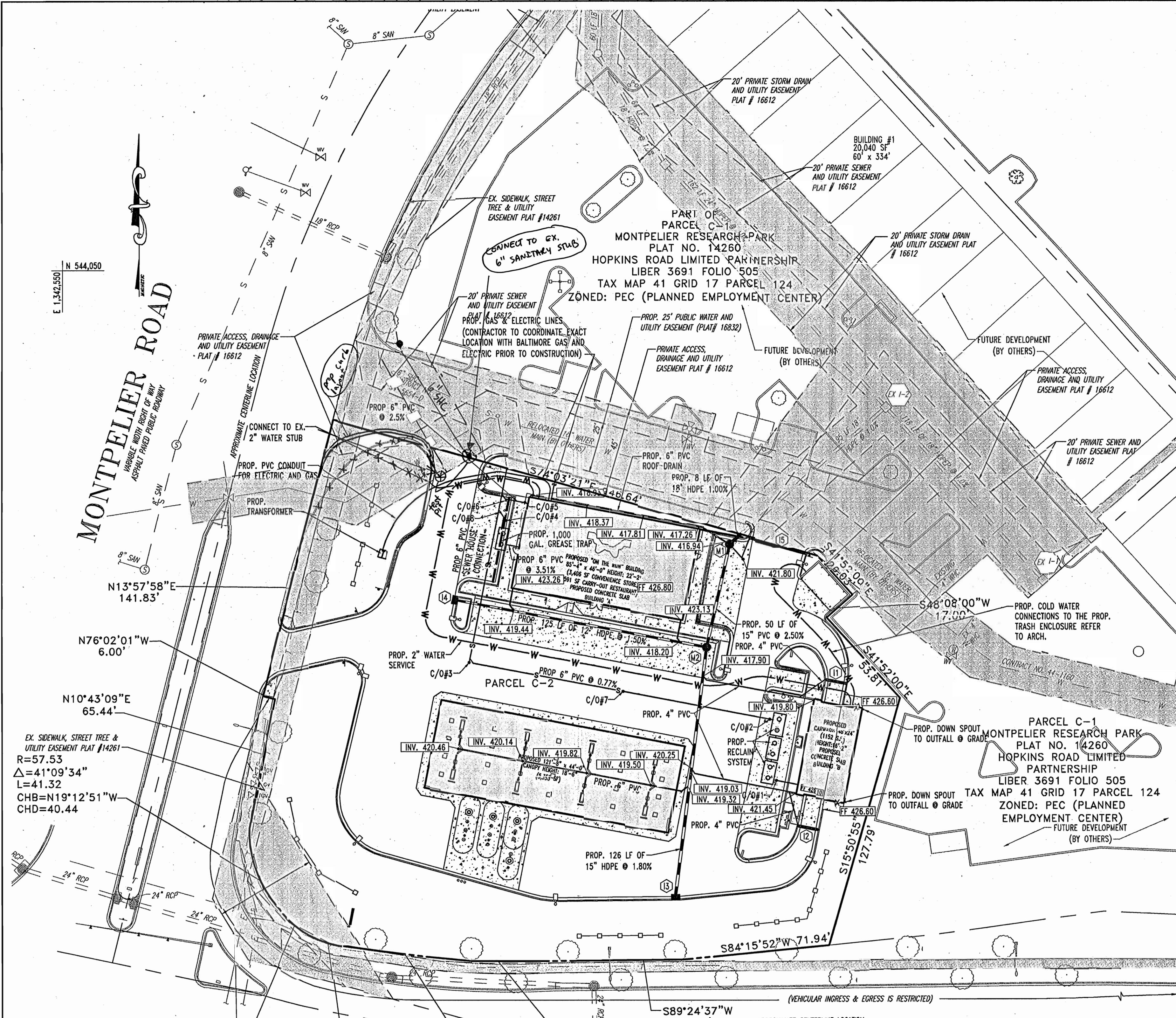
PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED FEZ
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE: SOIL BORINGS

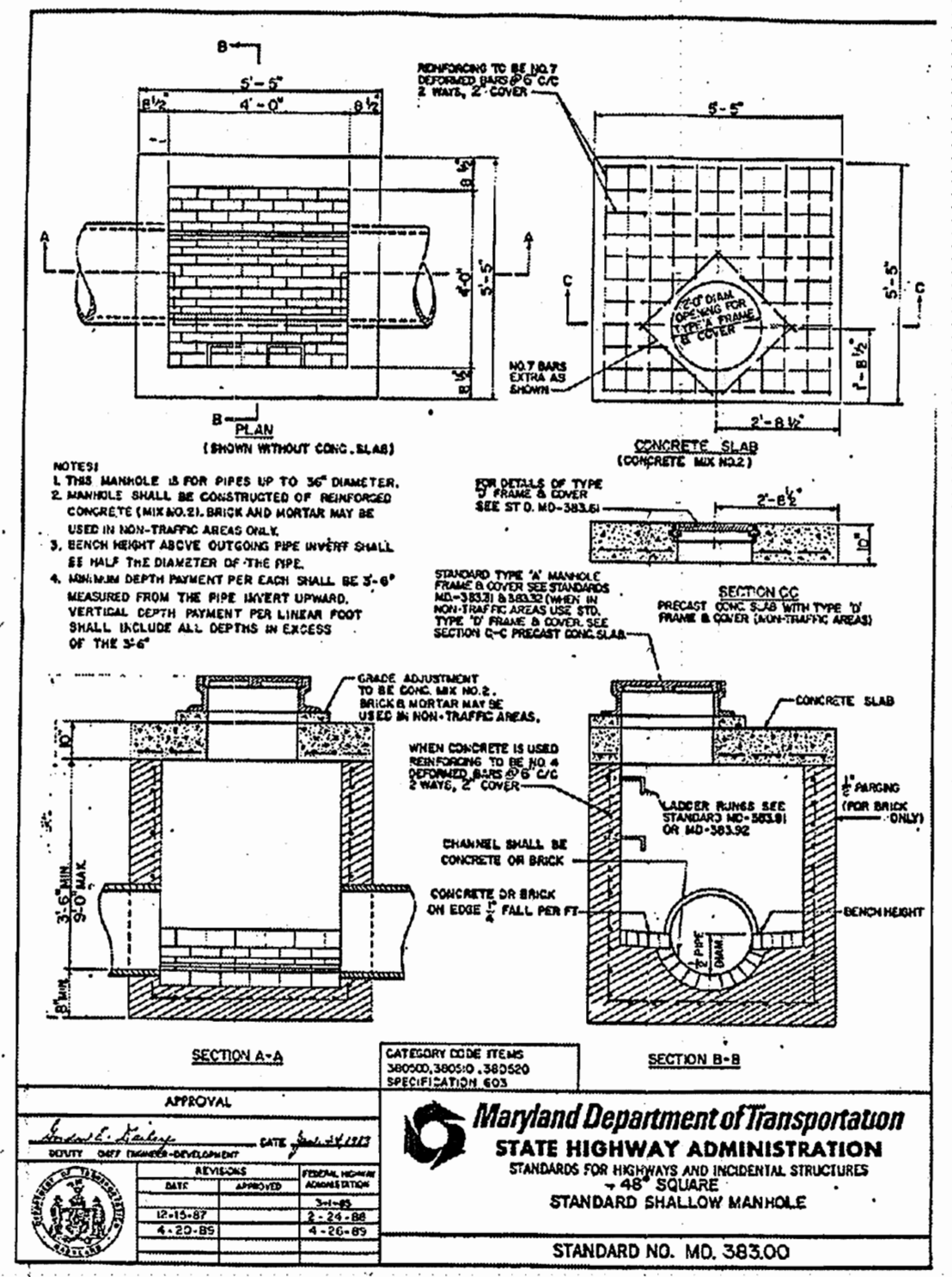
BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SURVEYOR
 6110 GLENDALES COURT, SUITE 300, TOWSON, MD 21286
 (410) 821-7002 FAX (410) 821-7007 1800bohler.com

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 17 OF 17

SDP-04-117



- UTILITY NOTES:**
- LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICES CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE AT THE LOWEST POINTS. CROSSINGS WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - A MINIMUM VERTICAL SEPARATION OF 12" SHALL BE MAINTAINED BETWEEN SANITARY SEWER LINES AND STORM LINES OR WATER LINES. IF THIS MINIMUM CLEARANCE CANNOT BE MAINTAINED, A CONCRETE ENCASMENT SHALL BE PROVIDED.
 - EXISTING UTILITIES HAVE BEEN SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND ALLOW FOR THEIR LOCATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE DONE DUE TO HIS NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT HIS EXPENSE.
 - ALL EXCAVATIONS THAT ARE DEEPER THAN 5 FEET SHOULD BE PROPERLY SLOPED OR OTHERWISE STRUCTURALLY RETAINED TO PROVIDED STABLE AND SAFE WORKING CONDITIONS. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS CALL FOR MINIMUM SLOPES OF 1H:1V. OSHA REQUIREMENTS MUST BE FOLLOWED AND ADEQUATE PROTECTION PROVIDED FOR WORKERS.
 - ANY SEDIMENT CONTROL MEASURES REMOVED FOR THE PURPOSE OF UTILITY CONSTRUCTION SHALL BE REPLACED AT THE END OF THE DAY BY THE UTILITY CONTRACTOR.
 - ALL STORM DRAIN, WATER, SEWER AND PRODUCT PIPING UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS FOR UTILITY CONSTRUCTION, AND CLIENT SPECIFICATIONS.
 - SANITARY CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE IDENTIFIED AS SANITARY CLEANOUTS, THREADED, AND CONTAIN COUNTERSUNK PLUGS.
 - WATER SERVICES SHALL HAVE A MINIMUM 3.5 FOOT COVER OVER CROWN OF PIPE.
 - WATER SERVICE SHALL BE TYPE "K" COPPER TUBING. SANITARY SEWER PIPE SHALL BE SDR 35 PVC. CERTAIN SECTIONS OF THE SERVICES REQUIRE SPECIAL PIPE TYPES WHICH ARE NOTED ON THE PLAN.
 - WATER AND SEWER SERVICES SHALL BE COORDINATED WITH THE BUILDING CONTRACTOR FOR HORIZONTAL AND VERTICAL ALIGNMENT AND CONNECTIONS.
 - PROPOSED 2" WATER METER SHALL BE LOCATED INSIDE THE BUILDING.



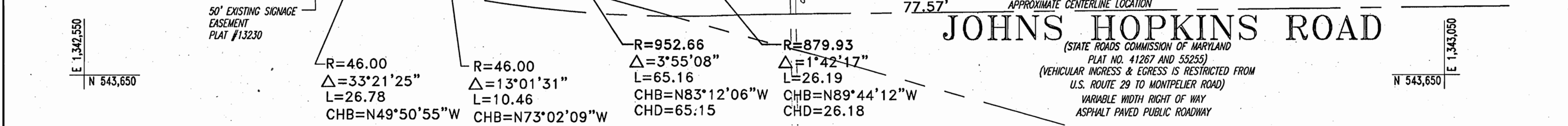
CLEANOUT SCHEDULE

C/O NO.	TYPE	INV.	TOP ELEV.
1	SANITARY	422.75	425.40
2	SANITARY	422.69	425.40
3	SANITARY	421.54	426.50
4	SANITARY	421.16	426.28
5	SANITARY	421.42	426.79
6	SANITARY	420.81	426.25
7	SANITARY	422.11	425.50
8	SANITARY	420.95	426.30

PIPE SCHEDULE

SIZE	DESCRIPTION	LENGTH
2"	COPPER TYPE "K"	494 LF
4"	SCHEDULE 40 PVC	176 LF
6"	SCHEDULE 40 PVC	633 LF
12"	HDPE	125 LF
15"	HDPE	170 LF
18"	HDPE	8 LF

NOTE: GREASE TRAP TO SERVE KITCHEN ONLY



STRUCTURE SCHEDULE

STRUCTURE NO.	DESCRIPTION	INV. IN	INV. IN	INV. IN	INV. OUT	TOP ELEV.
11	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	424.30	425.80
12	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	424.00	425.80
13	HOWARD COUNTY STD. S04.32	-	-	-	419.55	423.70
14	HOWARD COUNTY STD. S04.32	-	-	-	419.51	425.70
M1	MARYLAND STATE HIGHWAY STD. 383.00	15"	416.04	6"	421.50	425.50
M2	MARYLAND STATE HIGHWAY STD. 383.00	15"	417.39	12"	417.29	426.00
15	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	422.00	VARIES

CONTRACTOR TO TEST PIT LOCATIONS FOR VERIFICATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION



BEFORE YOU DIG CALL 800-251-7777 PROTECT YOURSELF - GIVE TWO WORKING DAYS NOTICE

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 REGULATIONS THEREOF.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTEPELIER ROAD

PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.
EXXON MOBIL GAS STATION	N/A	C2/124

PLAY RECORDATION	BLOCK #	ZONING	TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
16832	17	PEC	41	5	6051.02

WATER CODE	SEWER CODE
E21	6440000

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 DATE 10/22/04

APPROVED: DIVISION & LAND DEVELOPMENT
 DATE 10/22/04

APPROVED: DIRECTOR
 DATE 10/24/04

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE 10/18/04

NO.: _____ **DATE:** _____ **REVISION DESCRIPTION:** _____

OWNER	DEVELOPER
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION

AREA: TAX MAP 41 BLOCK 17 ZONED PEC RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND

TITLE: UTILITY PLAN

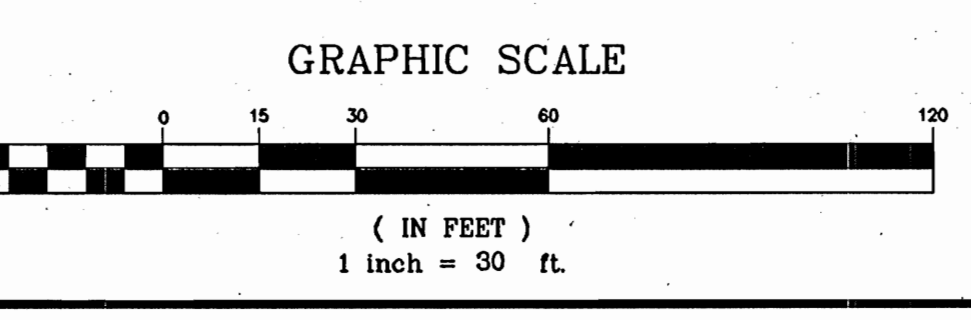
BOHLER ENGINEERING, P.C.

PROFESSIONAL ENGINEERING SERVICES
 #10 CLEVERAGES COURT, SUITE 300, TOWSON, MD 21286
 (410) 821-7000 FAX (410) 821-7001

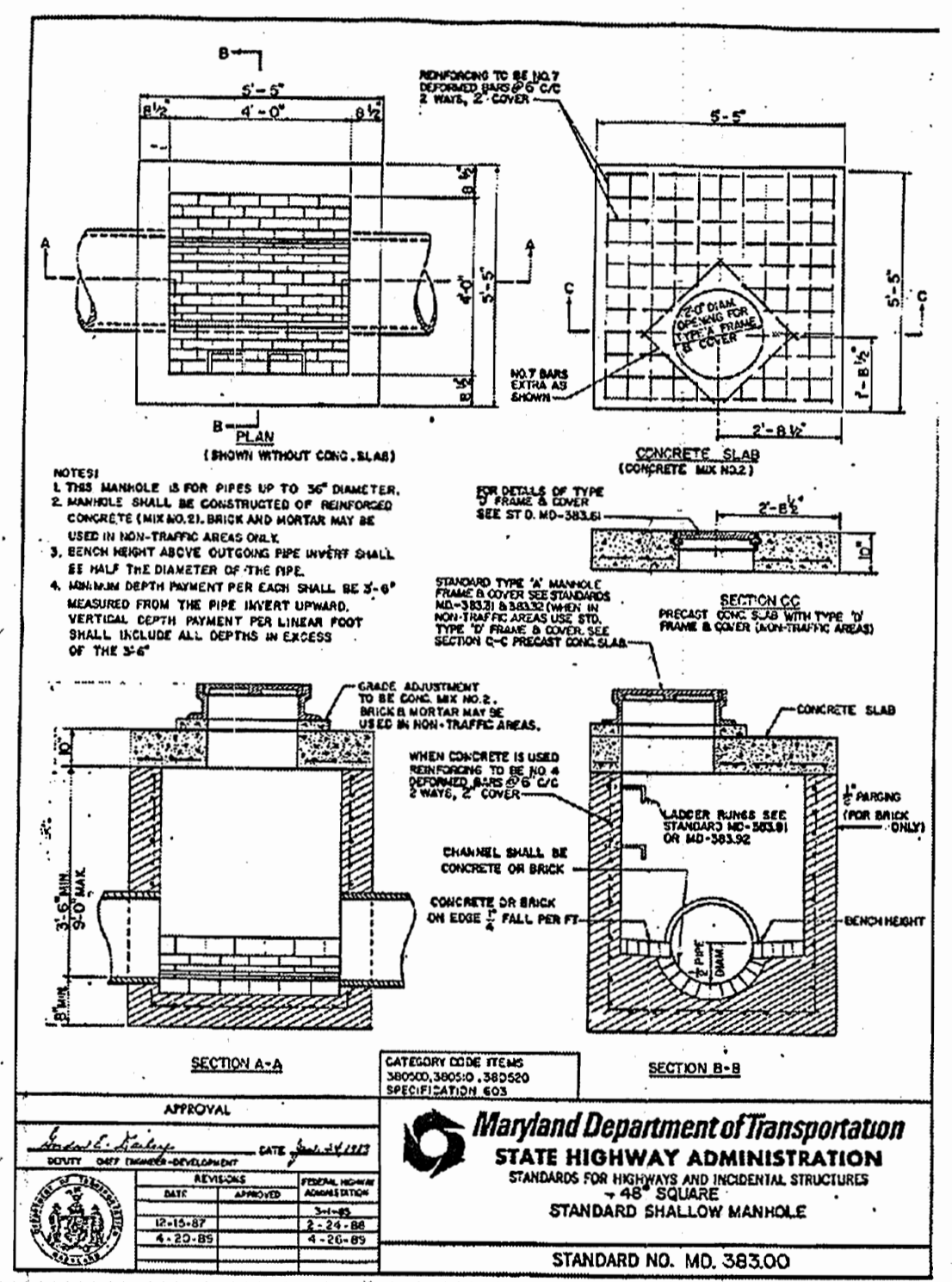
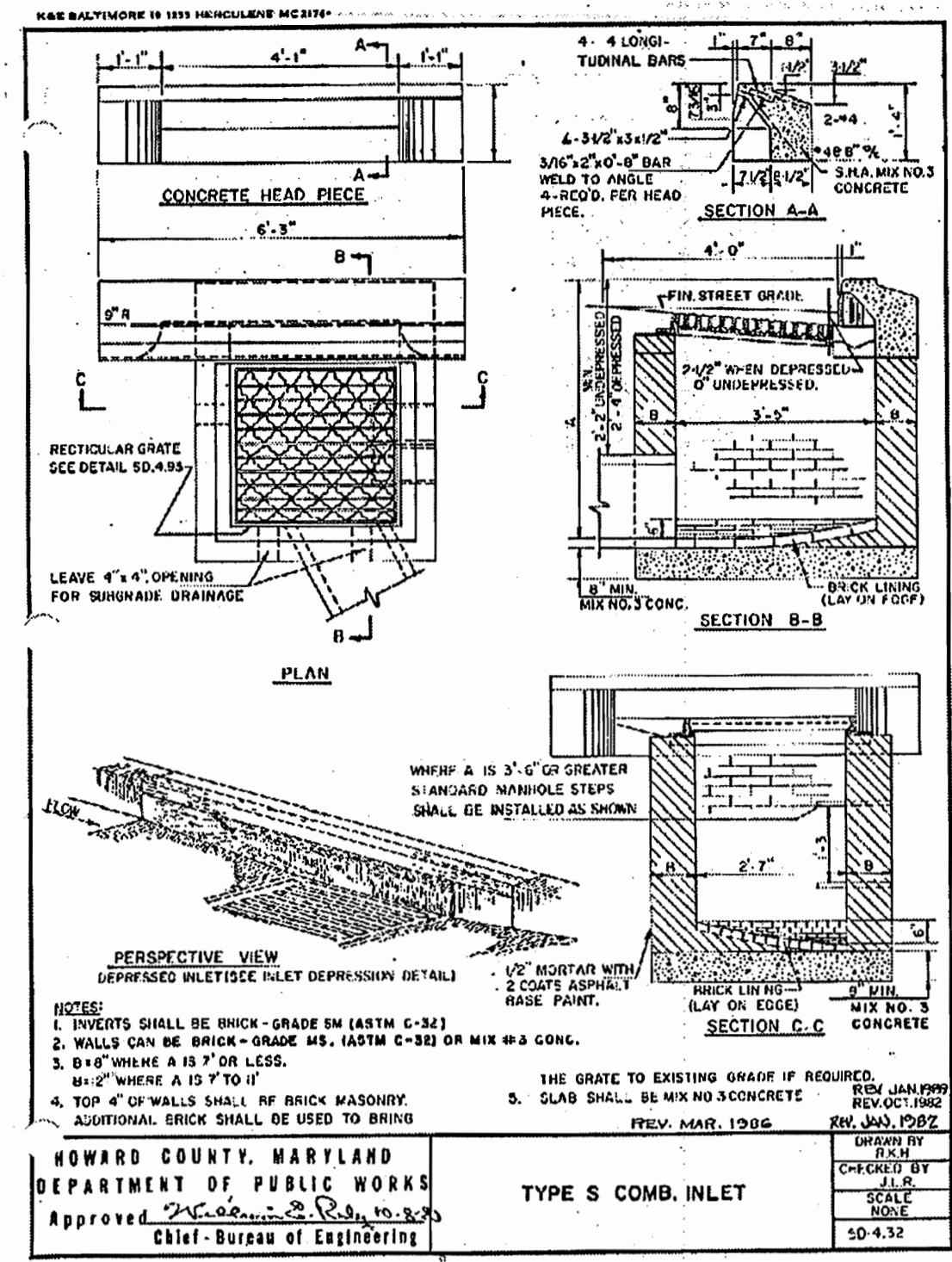
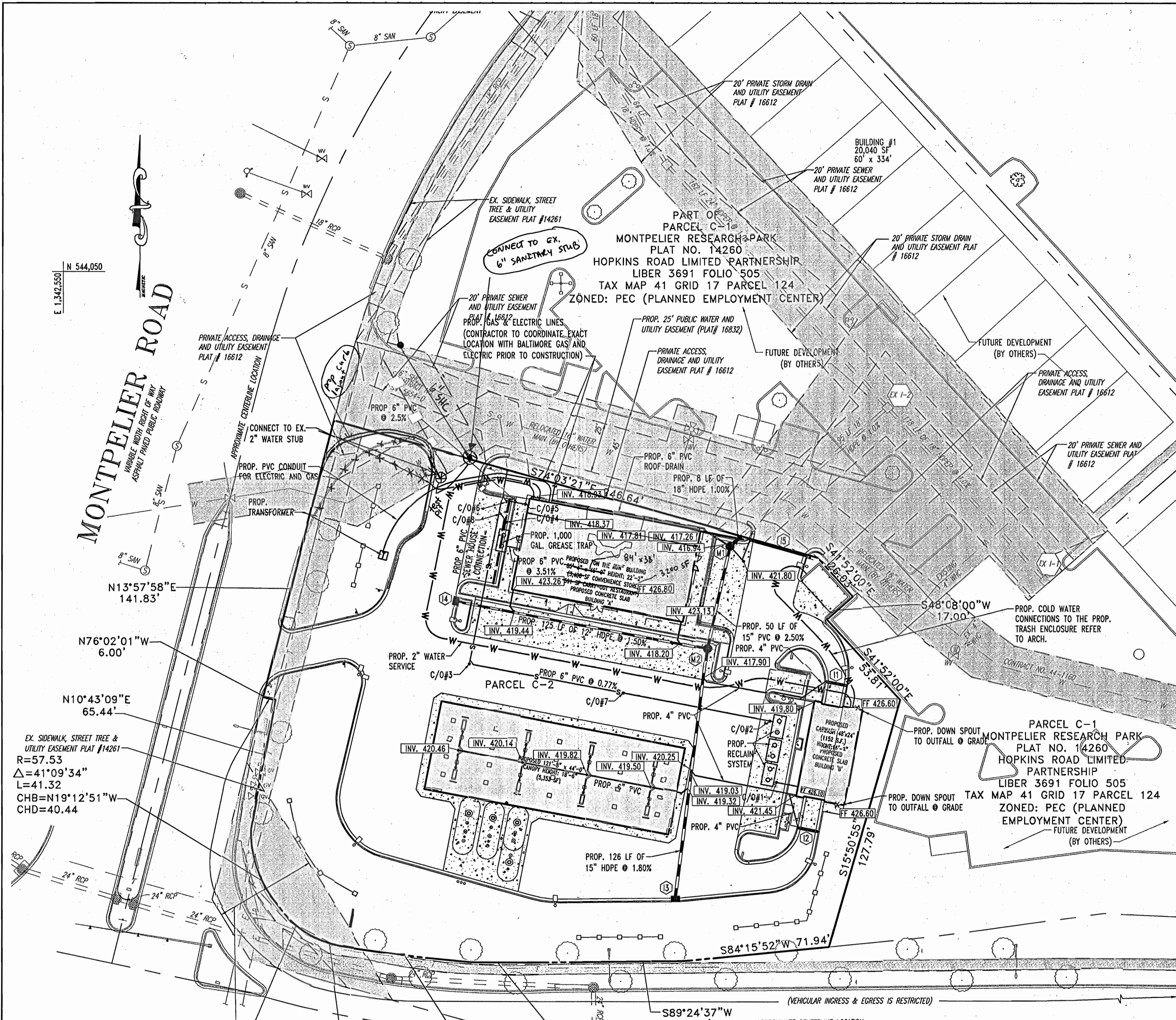
DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: W034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 7 OF 17

REDLINE REVISION #1
 REVISION INCLUDES SHIFTING 2" WATER CONNECTION STUB APPROX 5' N-E, SHIFTING THE SANITARY SEWER STUB APPROX 20' S-W AND REVISIONING THE ENTRANCE CURB LAYOUT AS SHOWN.

3-3-05 FOR REDLINE REV #1



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.



UTILITY NOTES:

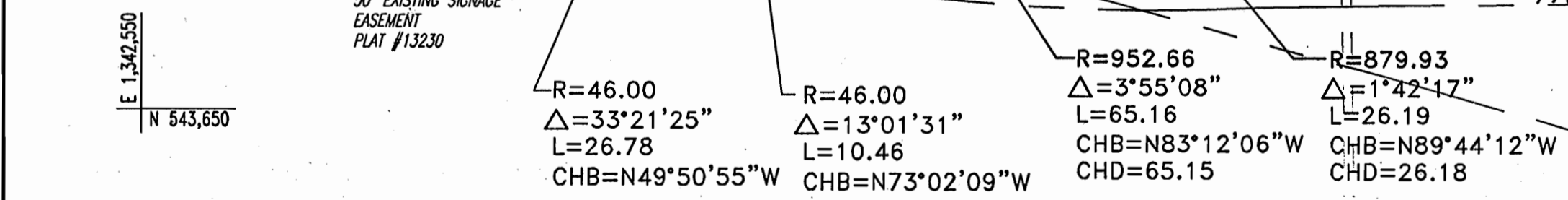
1. LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICES CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST POINTS. CROSSINGS WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. A MINIMUM VERTICAL SEPARATION OF 12" SHALL BE MAINTAINED BETWEEN SANITARY SEWER LINES AND STORM LINES OR WATER LINES. IF THIS MINIMUM CLEARANCE CANNOT BE MAINTAINED, A CONCRETE ENCASUREMENT SHALL BE PROVIDED.
3. EXISTING UTILITIES HAVE BEEN SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND ALLOW FOR THEIR LOCATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE DONE DUE TO HIS NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT HIS EXPENSE.
4. ALL EXCAVATIONS THAT ARE DEEPER THAN 5 FEET SHOULD BE PROPERLY SLOPED OR OTHERWISE STRUCTURALLY RETAINED TO PROVIDED STABLE AND SAFE WORKING CONDITIONS. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS CALL FOR MINIMUM SLOPES OF 1H:1V. OSHA REQUIREMENTS MUST BE FOLLOWED AND ADEQUATE PROTECTION PROVIDED FOR WORKERS.
5. ANY SEDIMENT CONTROL MEASURES REMOVED FOR THE PURPOSE OF UTILITY CONSTRUCTION SHALL BE REPLACED AT THE END OF THE DAY BY THE UTILITY CONTRACTOR.
6. ALL STORM DRAIN, WATER, SEWER AND PRODUCT PIPING UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS FOR UTILITY CONSTRUCTION, AND CLIENT SPECIFICATIONS.
7. SANITARY CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-SITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE IDENTIFIED AS SANITARY CLEANOUTS, THREADED, AND CONTAIN COUNTERSUNK PLUGS.
8. WATER SERVICES SHALL HAVE A MINIMUM 3.5 FOOT COVER OVER CROWN OF PIPE.
9. WATER SERVICE SHALL BE TYPE "K" COPPER TUBING. SANITARY SEWER PIPE SHALL BE SDR 35 PVC. CERTAIN SECTIONS OF THE SERVICES REQUIRE SPECIAL PIPE TYPES WHICH ARE NOTED ON THE PLAN.
10. WATER AND SEWER SERVICES SHALL BE COORDINATED WITH THE BUILDING CONTRACTOR FOR HORIZONTAL AND VERTICAL ALIGNMENT AND CONNECTIONS.
11. PROPOSED 2" WATER METER SHALL BE LOCATED INSIDE THE BUILDING.

CLEANOUT SCHEDULE			
C/O NO.	TYPE	INV.	TOP ELEV.
1	SANITARY	422.75	425.40
2	SANITARY	422.69	425.40
3	SANITARY	421.54	426.50
4	SANITARY	421.16	426.28
5	SANITARY	421.42	426.79
6	SANITARY	420.81	426.25
7	SANITARY	422.11	425.50
8	SANITARY	420.95	426.30

PIPE SCHEDULE		
SIZE	DESCRIPTION	LENGTH
2"	COPPER TYPE "K"	494 LF
4"	SCHEDULE 40 PVC	176 LF
6"	SCHEDULE 40 PVC	633 LF
12"	HDPE	125 LF
15"	HDPE	170 LF
18"	HDPE	8 LF

NOTE: GREASE TRAP TO SERVE KITCHEN ONLY

Redline Revision #2
 Revise the convenience store/quick serve restaurant from 3,997 SF to a 3,200 SF convenience store with no quick serve restaurant.



JOHNS HOPKINS ROAD

(STATE ROADS COMMISSION OF MARYLAND PLAT NO. 41287 AND 52525)
 (VEHICULAR INGRESS & EGRESS IS RESTRICTED FROM U.S. ROUTE 29 TO MONTPELIER ROAD)
 VARIABLE WIDTH RIGHT OF WAY ASPHALT PAVED PUBLIC ROADWAY

STRUCTURE SCHEDULE					
STRUCTURE NO.	DESCRIPTION	INV. IN	INV. IN	INV. IN	TOP ELEV.
I1	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	424.30
I2	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	424.00
I3	HOWARD COUNTY STD. SD4.32	-	-	-	419.55
I4	HOWARD COUNTY STD. SD4.32	-	-	-	419.51
M1	MARYLAND STATE HIGHWAY STD. 383.00	15" 416.04	6" 416.94	6" 421.50	425.50
M2	MARYLAND STATE HIGHWAY STD. 383.00	15" 417.39	12" 417.64	-	417.29
I5	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	422.00

CONTRACTOR TO TEST PIT LOCATIONS FOR VERIFICATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

MISS UTILITY

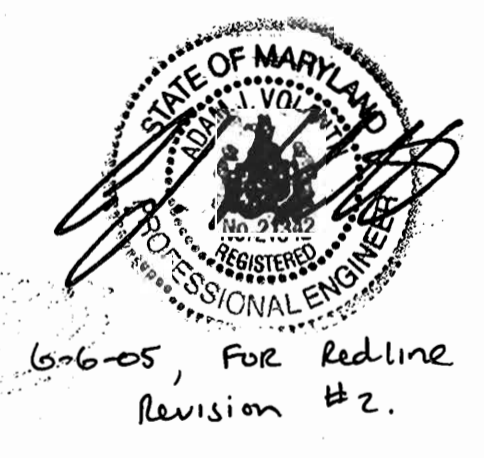


BEFORE YOU DIG CALL 1-800-33-7777 PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

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 REGULATIONS THEREOF APPROPRIATE.

ADDRESS CHART			
LOT/PARCEL #	STREET ADDRESS		
C2/124	7500 MONTPELIER ROAD		

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION BLOCK#	ZONING	TAX MAP NO.	ELECT. DIST.
16832	17	41	5
WATER CODE	SEWER CODE	CENSUS TRACT	
E21	6440000	6051.02	



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 10/22/04
 CHIEF-DIVISION & LAND DEVELOPMENT
 10/24/04
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.

COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT
 10/18/04

NO.	DATE	REVISION DESCRIPTION
1	2-3-05	WATER/SANITARY CONNECTIONS
2	6-6-05	Revised to a 3,200 SF STORE

OWNER	DEVELOPER
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037

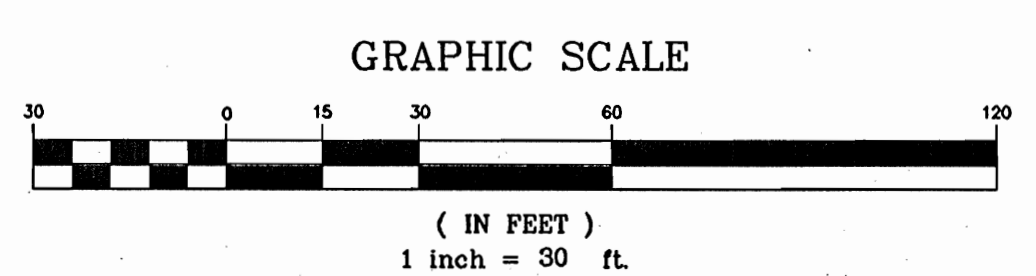
PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND

TITLE: UTILITY PLAN
BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 #110 CLEMENSCHES COURT, SUITE 300, TOWSON, MD 21286
 (410) 821-7900 FAX: (410) 821-7907 | www.bohlereng.com

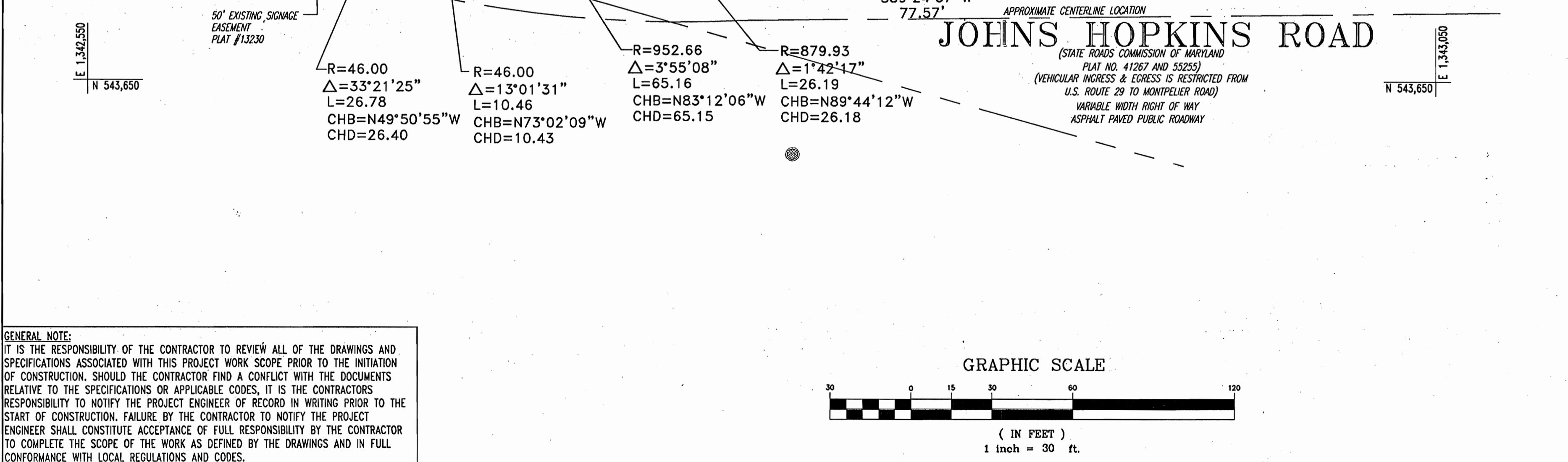
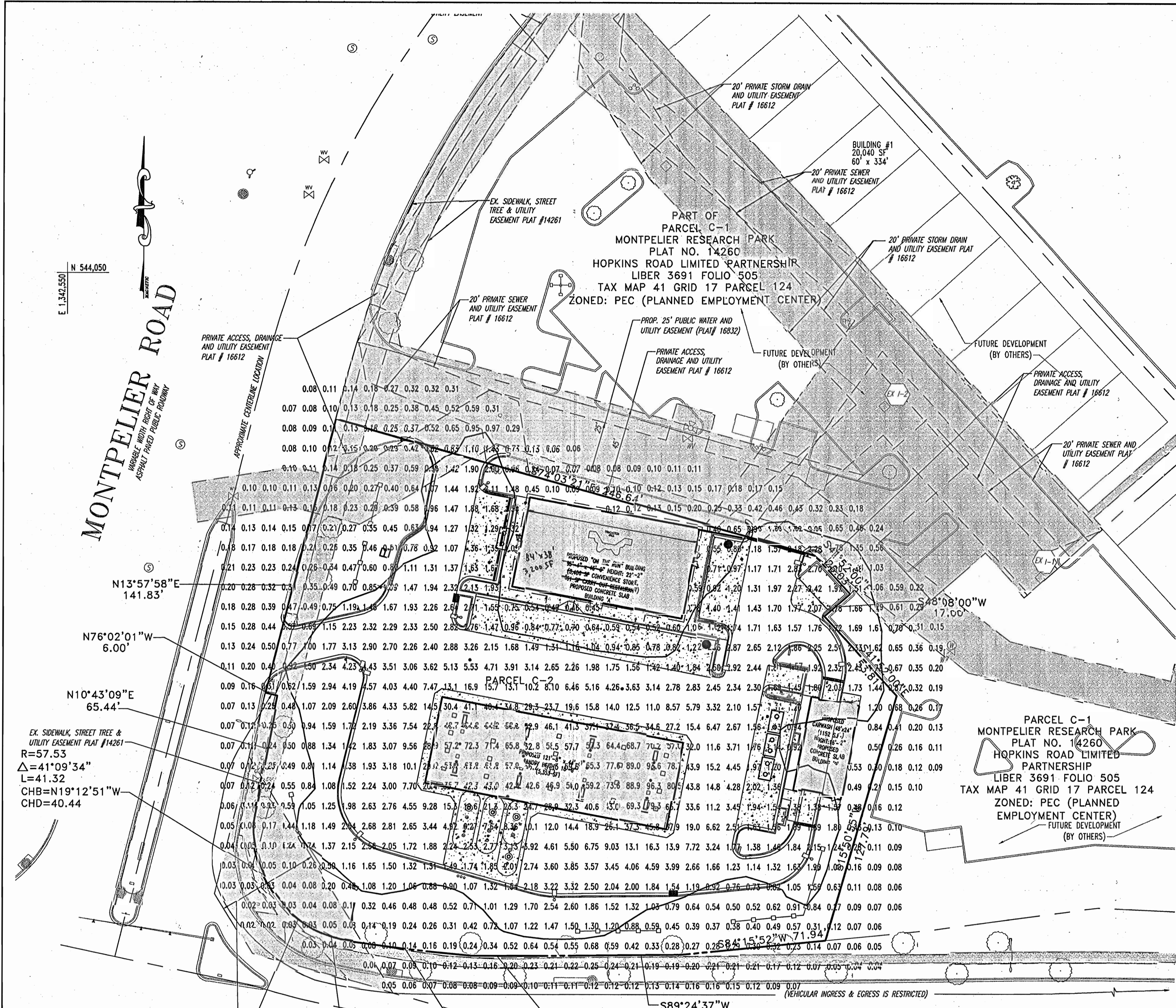
DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 7 OF 17

REVISION #1
 REVISION INCLUDES SHIFTING 2" WATER CONNECTION STUB APPROX. 5' N-E, SHIFTING THE SANITARY SEWER STUB APPROX. 20' S-W, AND REVISIONING THE ENTRANCE CURB LAYOUT AS SHOWN.

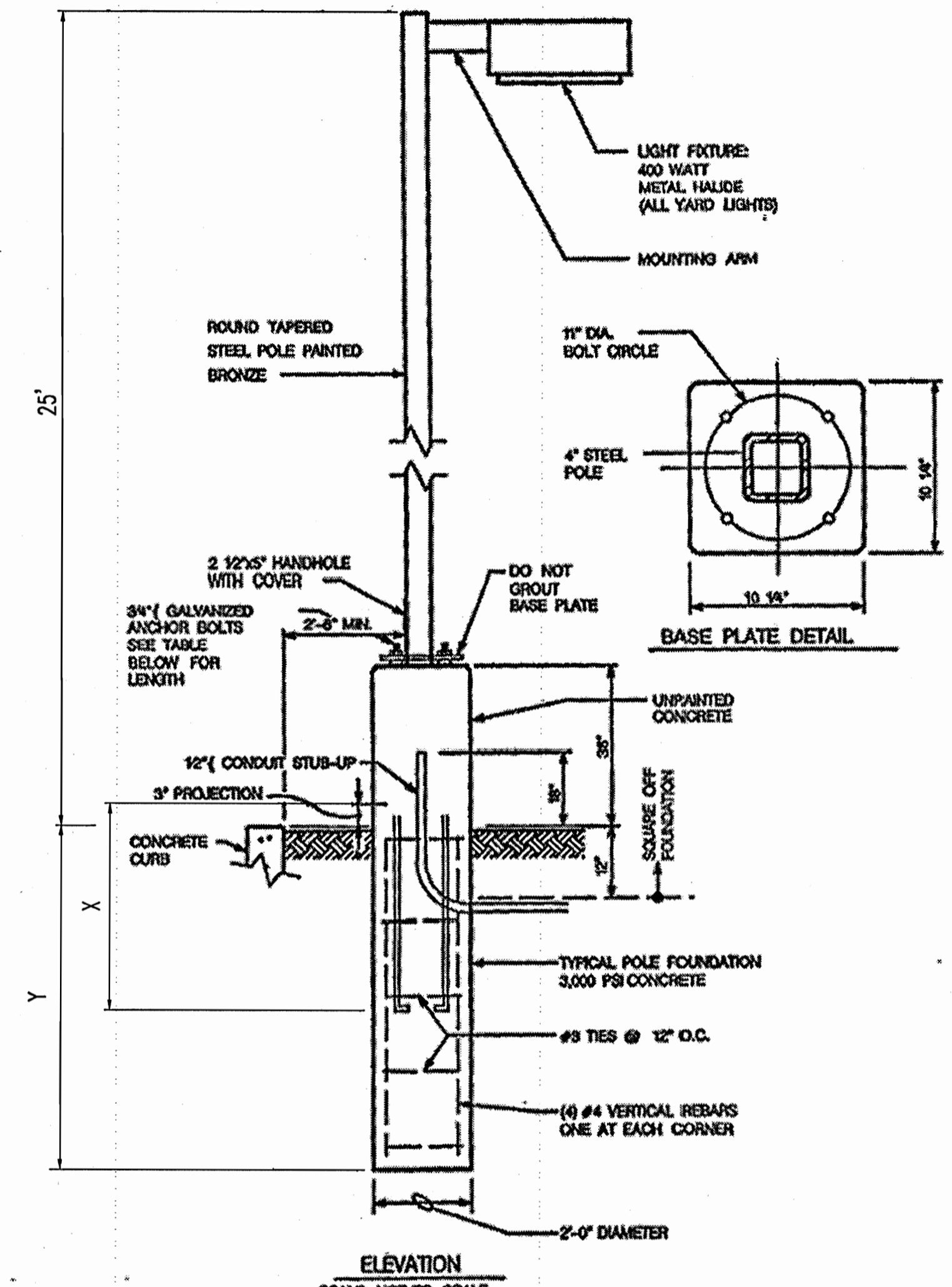
3-3-05
 FOR REDLINE REV #1



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.



- EC-A-18-1-3H-400MH-120-BRP
400W MH
MOUNTING HEIGHT = 25'
FROM POLE TO PHOTOMETRIC CENTER = 2'
INITIAL LUMENS PER LAMP = 40000
LIGHT LOSS FACTOR (LLF) = 0.8
NUMBER POLES THIS TYPE = 8
- EC-A-18-2-3H-400MH-120-BRP
400W MH
MOUNTING HEIGHT = 25'
FROM POLE TO PHOTOMETRIC CENTER = 2'
INITIAL LUMENS PER LAMP = 40000
LIGHT LOSS FACTOR (LLF) = 0.8
NUMBER POLES THIS TYPE = 1
- (20) SCOTTSDALE LIGHT FIXTURES
#SC-S-320-SMV-PG-MT-WHT-NO



POLE HEIGHT
 <= 15' > 15'
 X 15" 30"
 Y 4'-6" 5'-0"

TYPICAL YARD LIGHT DETAIL - ECOLUME BY EMCO OR APPROVED EQUAL
 FURNISHED AND INSTALLED BY GENERAL CONTRACTOR

Redline Revision #2
 Revise the convenience store/quick serve restaurant from 3,997 SF to a 3,200 SF convenience store, with no quick serve restaurant.

6-6-05, For Redline Revision #2.



ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDBOOK	BLOCK #	ZONING	TAX MAP NO.
16832	17	PEC	41
WATER CODE	ELECT. DIST.	CENSUS TRACT	
E21	5	6051.02	
	SEWER CODE		
	644000		

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Michael... 10/2/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 DATE

Wally... 10/23/04
 CHIEF-DIVISION OF LAND DEVELOPMENT
 DATE

... 10/28/04
 DIRECTOR
 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
... 10/18/04
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE

2	6-6-05	Revised to a 3,200 SF store
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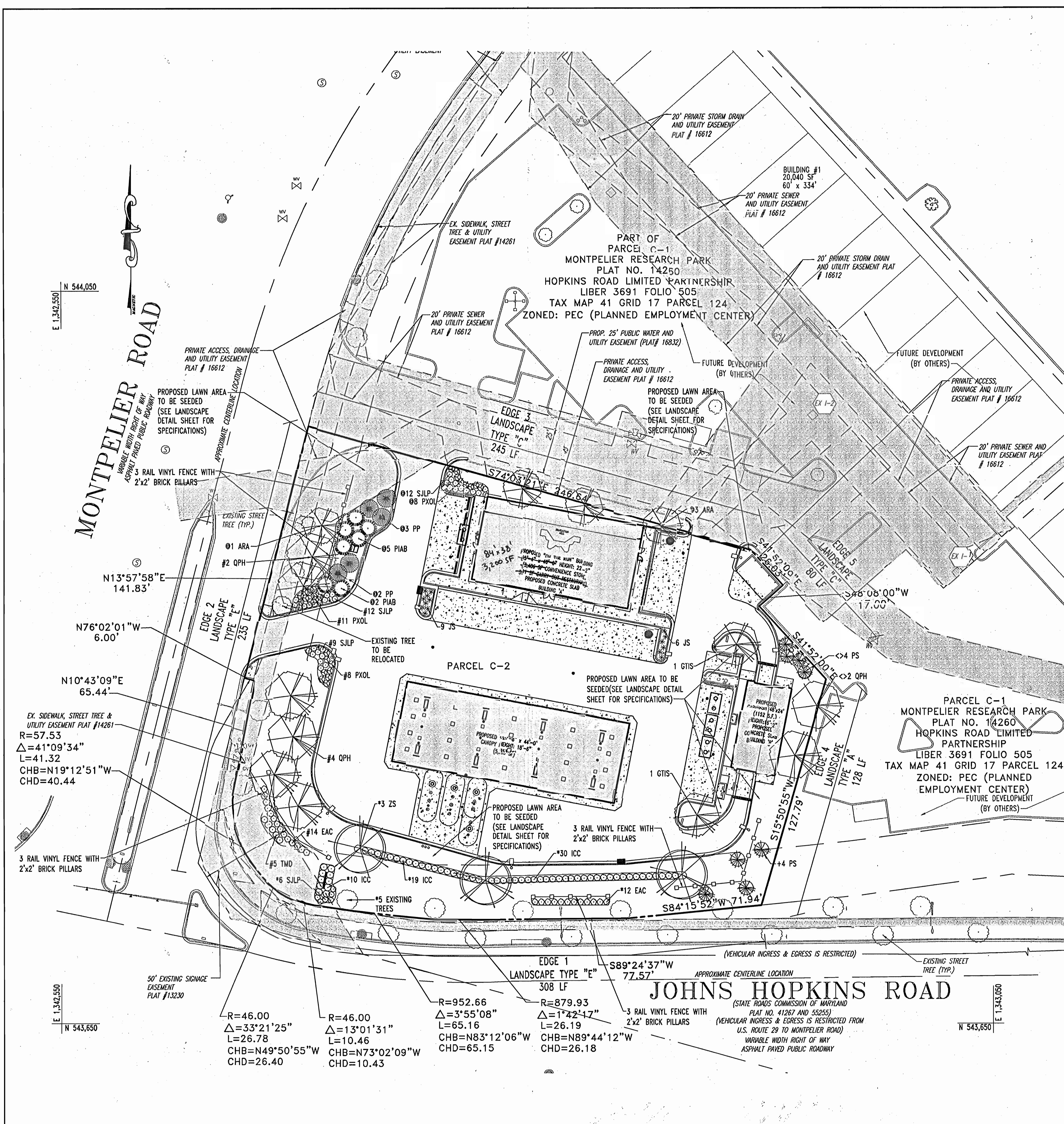
NO.	DATE	REVISION DESCRIPTION
OWNER	HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	DEVELOPER EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037

PROJECT	EXXON MOBIL PROPOSED EXXON GAS STATION
AREA	TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND
TITLE	LIGHTING PLAN

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 #B10 GLENAGLES COURT, SUITE 300, TOWSON, MD 21286
 #4101 ELLIOTT ROAD, FAIRFAX, VA 22031

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 14 OF 17

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.



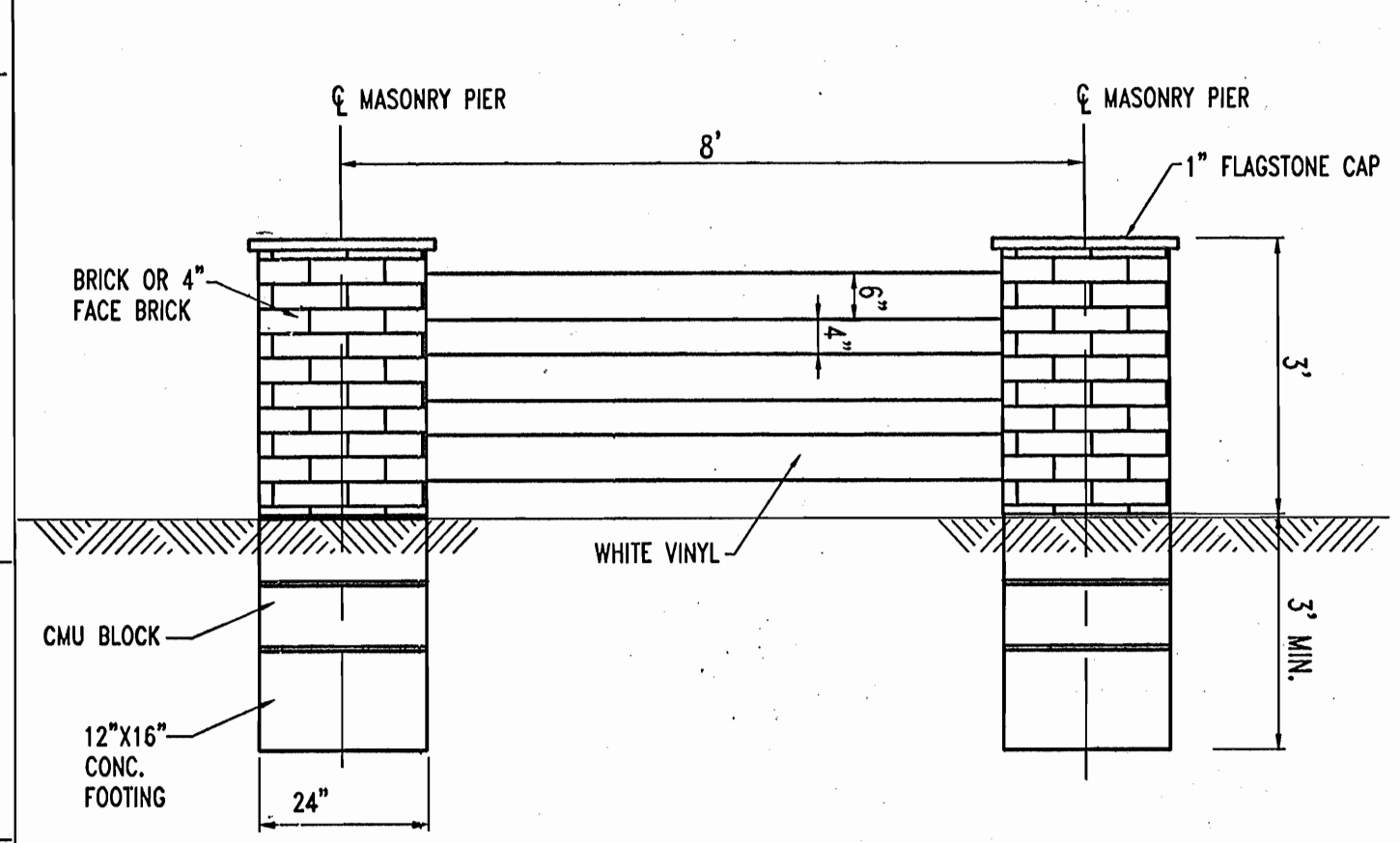
SCHEDULE A PERIMETER LANDSCAPE EDGE

PERIMETER	LANDSCAPE TYPE	PERIMETERS LESS CREDIT	LANDSCAPE CALCULATIONS
EDGE 1	TYPE "e"	308 LF	1:40 SHADE TREES 1:4 SHRUBS REQUIRED: 308/40= 7.7 OR 8 TREES 308/4= 77 SHRUBS PROPOSED: 5 EXISTING SHADE TREES 3 ZS, 59 ICC, 6 SJLP, AND 12 EAC. * INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 2	TYPE "e"	235 LF	1:40 SHADE TREES 1:4 SHRUBS REQUIRED: 235/40= 5.8 OR 6 SHADE TREES 235/4= 58.75 OR 59 SHRUBS PROPOSED: 6 QPH, 19 PXOL, 21 SJLP, 14 EAC, AND 5 TMD # INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 3	TYPE "c"	245 LF	1:40 SHADE TREES 1:20 EVERGREEN TREES REQUIRED: 245/40= 6.1 OR 6 SHADE TREES 245/20= 12.25 OR 12 EVERGREEN TREES PROPOSED: 4 ARA, 7 PIAB, 5 PP, 12 SJLP, AND 8 PXOL (IN SUBSTITUTION FOR 2 SHADE TREES) # INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 4	TYPE "a"	128 LF	1:60 SHADE TREES REQUIRED: 128/60= 2.1 OR 2 TREES PROPOSED: 4 PS IN PLACE OF 2 SHADE TREES + INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 5	TYPE "c"	80 LF	1:40 SHADE TREES 1:20 EVERGREEN TREES REQUIRED: 80/40= 2 SHADE TREES 80/20= 4 EVERGREEN TREES PROPOSED: 2 QPH AND 4 PS <> INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT

LANDSCAPE SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREES(S)					
ARA	4	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG RED MAPLE	2 1/2" CAL. MIN.	B+B
GTIS	2	GLENTSIA TRICANTHOS VAR. INTERMIS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	2 1/2" CAL. MIN.	B+B
OPH	8	QUERCUS PHELLOS	WILLOW OAK	2 1/2" CAL. MIN.	B+B
ZS	3	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	2 1/2" CAL. MIN.	B+B
EVERGREEN TREES(S)					
PIAB	7	PICEA ABIES	NORWAY SPRUCE	6-8' MIN.	B+B
PP	5	PICEA PUNGENS	COLORADO SPRUCE	6-8' MIN.	B+B
PS	8	PINUS STROBUS	EASTERN WHITE PINE	6-8' MIN.	B+B
EVERGREEN SHRUB(S)					
ICC	59	ILEX CREMATA 'COMPACTA'	COMPACT JAPANESE HOLLY	24-30"	#5 CAN
PXOL	27	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN CHERRY LAUREL	24-30" MIN.	#5 CAN
TMD	5	TAXUS MEDIA 'DENSIFORMIS'	DENSIFIED NORWAY SPRUCE	24-30" MIN.	B+B
DECIDUOUS SHRUB(S)					
EAC	26	EUONYMUS ALATUS 'COMPACTUS'	DWARF WINGED EUONYMUS	30-36" MIN.	B+B
SJLP	39	SPIREA JAPONICA 'LITTLE PRINCESS'	LITTLE PRINCESS SPIREA	24-30" MIN.	#5 CAN
GROUND COVER					
JS	15	JUNIPERUS CHINENSIS VAR. SARGENTII	SARGENT JUMPER	15-18" SPRD.	#5 CAN

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.



VINYL FENCE W/ BRICK PIERS DETAIL
SCALE: 1"=2'
NOTE: FINAL DESIGN TO BE PROVIDED BY STRUCTURAL ENGINEER.

SURETY IN THE AMOUNT OF \$15,530.00 FOR 17 SHADE TREES, 20 EVERGREEN TREES, 171 SHRUBS AND 230 L.F. OF LANDSCAPE FENCING IS TO BE POSTED WITH THE DEVELOPER'S AGREEMENT

SCHEDULE B PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	31
NUMBER OF TREES REQUIRED:	31/20 SPACES = 1.5 OR 2
NUMBER OF LANDSCAPED ISLANDS REQUIRED:	31/20 SPACES = 1.5 OR 2
NUMBER OF TREES PROVIDED:	2
SHADE TREES	2
LANDSCAPED ISLANDS	2

Redline Revision #2
Revise the convenience store/quick serve restaurant from 3,997 SF to a 3,200 SF convenience store with no quick serve restaurant.

6-6-05, for Redline Revision #2.

TRANSPLANTING NOTES
CONTRACTOR TO ENSURE THAT THE ROOT MASS OF ALL TRANSPLANTS ARE INTACT. THE ROOT BALL OF ALL TREES AND SHRUBS SHALL BE BALLED AND BURLAPED UPON REMOVAL FROM PRESENT LOCATION. CONTRACTOR TO STOCKPILE AND PROTECT ALL TRANSPLANT MATERIAL UNTIL IT IS TIME TO REPLANT. PLANTS SHALL BE MAINTAINED BY WATERING, FERTILIZING, PRUNING AND ANY OTHER METHODS TO KEEP PLANTS IN HEALTHY CONDITION. ALL TRANSPLANTS ARE GUARANTEED FOR A PERIOD OF ONE YEAR FROM FINAL COMPLETION. ANY TRANSPLANTS THAT DIE DURING THAT PERIOD WILL BE REPLACED TO THE CORRECT SIZE AND SPECIES AT THE CONTRACTOR'S EXPENSE.

DEVELOPER'S/BUILDER'S CERTIFICATE
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

DATE: 9-8-04
DATE: 9/3/04

APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF-DEVELOPMENT ENGINEERING DIVISION
Gina Hanania 10/28/04
CHIEF-DIVISION & LAND DEVELOPMENT
Derek H. Coyle 11/24/04
DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
Howard County Health Department

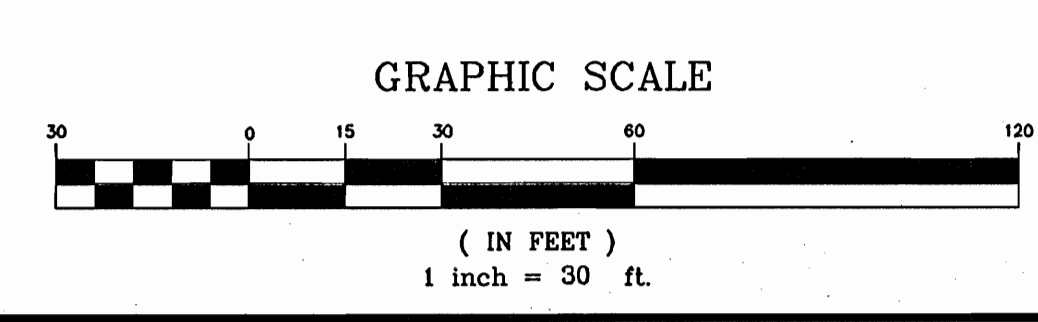
EXXON MOBIL
PROPOSED EXXON GAS STATION

AREA TAX MAP 41 BLOCK 17 ZONED PEC
MONTPELIER RESEARCH PARK PARCEL 124
ELECTION DISTRICT 5
HOWARD COUNTY, MARYLAND

TITLE LANDSCAPE PLAN

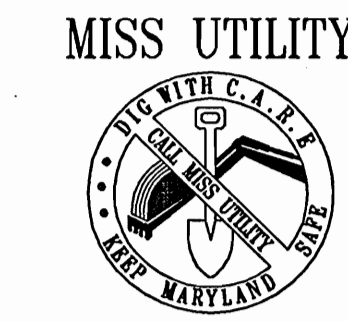
BOHLER ENGINEERING, P.C.
DESIGNED BY: J.J.J.
DRAWN BY: R.L.B.
PROJECT NO.: MD034006
DATE: 2/17/04
SCALE: 1"=30'
DRAWING NO. 12 OF 17

GENERAL NOTE:
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THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

REFERENCE DETAIL SHEET FOR LANDSCAPE NOTES AND SPECIFICATIONS



BEFORE YOU DIG CALL 1-800-393-7777
PROJECT TOGGLE: 1-800-393-7777
WORKING DAYS NOTICE

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 REGULATIONS THEREOF APPLICABLE.

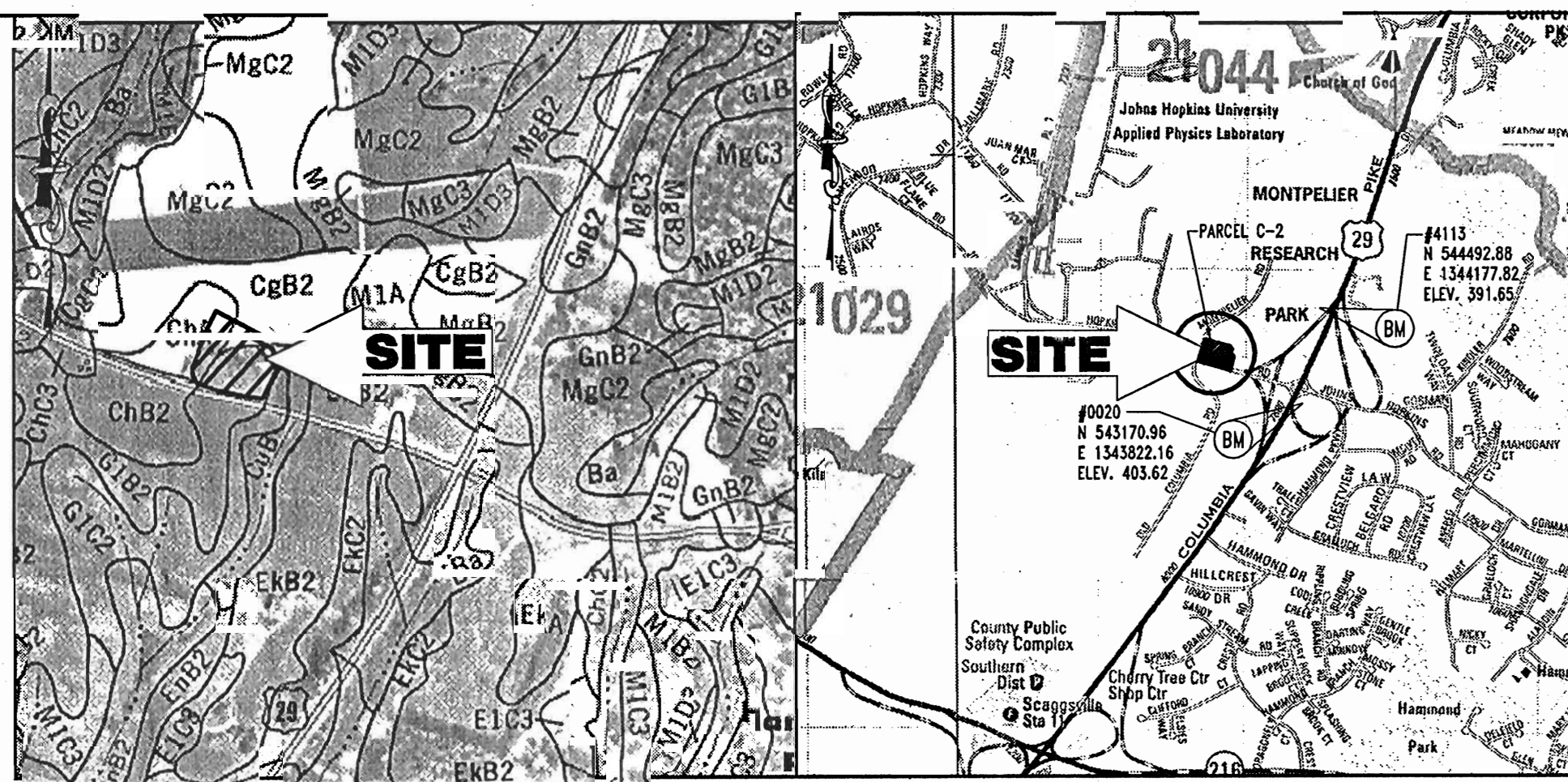
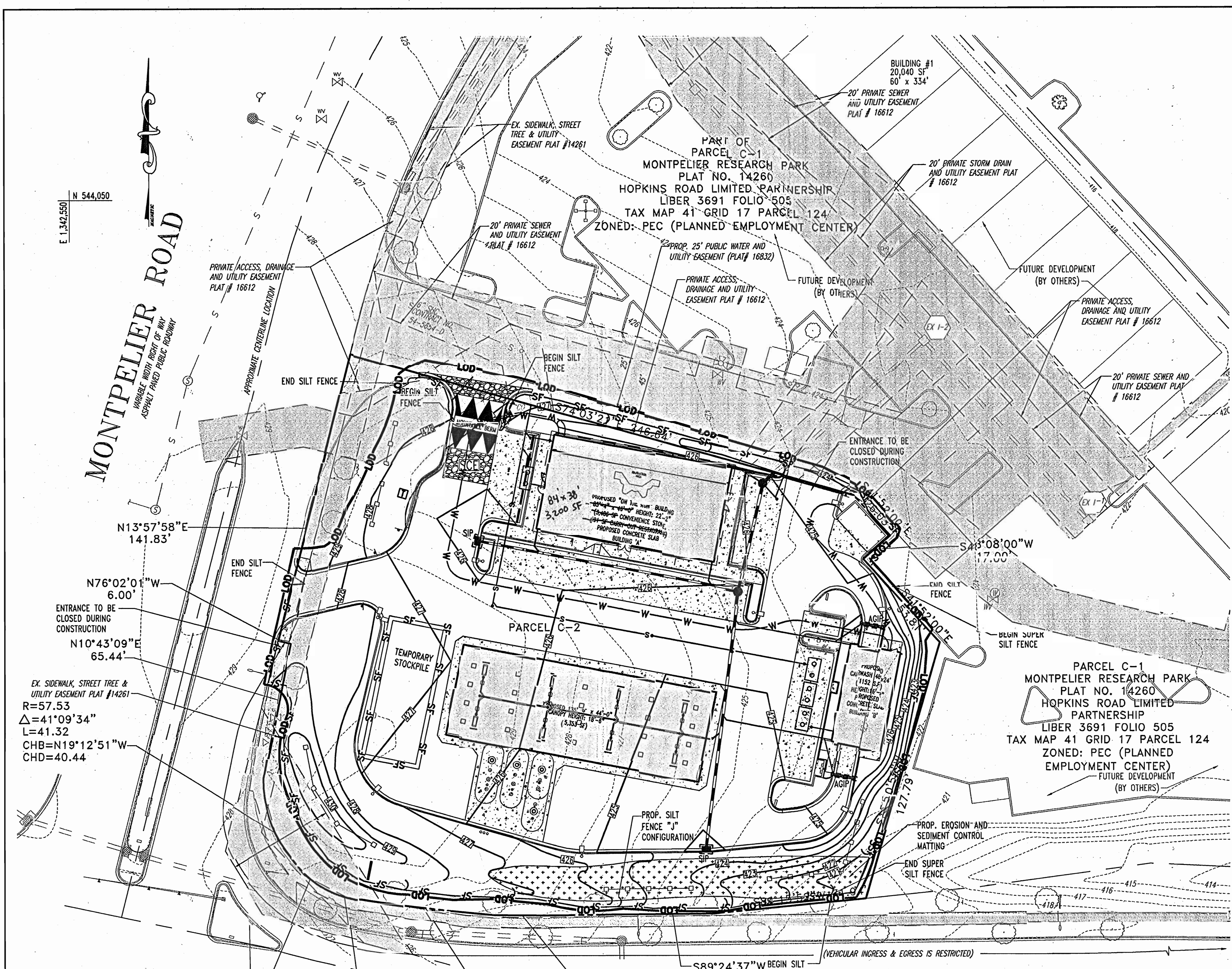
THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT-INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.
EXXON MOBIL GAS STATION	N/A	C2/124
PLAT RECORDED/ BLOCK#	ZONING	TAX MAP NO.
16852	17	41
WATER CODE	ELECT. DISTR	CENSUS TRACT
E21	5	6051.02
SEWER CODE		
	6440000	



SOILS MAP
SCALE: 1"=500'
SOIL NOTES
CHA - CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES
CGB2 - CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
G1B2 - GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
G1C2 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED

LOCATION MAP
COPYRIGHT ADC THE MAP PEOPLE
PERMIT USE NO. 20694276
SCALE: 1"=2000'

BENCHMARK INFORMATION
HOWARD COUNTY BENCHMARK NO. 0020 ELEVATION: 403.62
HOWARD COUNTY BENCHMARK NO. 4113 ELEVATION: 391.65
HOWARD COUNTY BENCHMARK NO. 543170.96 ELEVATION: 403.62
HOWARD COUNTY BENCHMARK NO. 1343822.16 ELEVATION: 403.62

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN HOWARD COUNTY GRADING PERMIT.
 2. NOTIFY HOWARD COUNTY SEDIMENT CONTROL INSPECTOR PRIOR TO ANY LAND DISTURBANCE AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION.
 3. INSTALL ALL SILT FENCE AND SUPER SILT FENCE AS INDICATED ON PLANS.(1 WEEK)
 4. INSTALL STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM.(1 DAY)
 5. ROUGH GRADE SITE.(1 WEEK)
 6. COMPLETE INSTALLATION OF ROOF STORM DRAIN SYSTEM AND ON SITE UTILITIES, INCLUDING UNDERGROUND FUEL STORAGE TANKS.(2 WEEKS)
 7. INSTALL CURB AND GUTTER.(3 WEEKS)
 8. CONSTRUCT CONVENIENCE STORE, PUMP ISLANDS, AND CANOPY.(8 WEEKS)
 9. INSTALL PAVING BASE COURSE.(2 WEEKS)
 10. INSTALL PAVING SURFACE COURSE.(1 WEEK)
 11. FINE GRADE AND STABILIZE REMAINING SITE.(2 WEEKS)(SEE NOTE)
 12. INSTALL LANDSCAPING.(2 WEEKS)
 13. REMOVE ALL SEDIMENT CONTROL MEASURES AFTER RECEIVING APPROVAL FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.(1 WEEK)

EROSION AND SEDIMENT CONTROL LEGEND

SF	SILT FENCE
SSF	SUPER SILT FENCE
LOD	LIMIT OF DISTURBANCE
SCE	STABILIZED CONSTRUCTION ENTRANCE
MOUNTABLE BERM	MOUNTABLE BERM
PROPOSED CONTOURS	PROPOSED CONTOURS
EXISTING CONTOURS	EXISTING CONTOURS
AGIP	AT GRADE INLET PROTECTION
SIP	STANDARD INLET PROTECTION
EROSION CONTROL MATTING	EROSION CONTROL MATTING

ESTIMATE OF SEDIMENT CONTROL QUANTITIES

SILT FENCE: 834 L.F.
SUPER SILT FENCE: 150 L.F.
AT GRADE INLET PROTECTION: 2 EA.
STANDARD INLET PROTECTION: 2 EA.
STABILIZED CONSTRUCTION ENTRANCE: 1 EA.

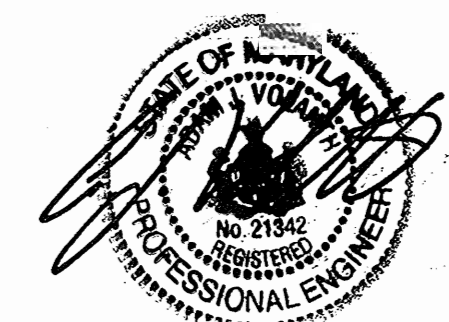
NOTE: THESE QUANTITIES ARE FOR SEDIMENT CONTROL USE ONLY. CONTRACTOR SHALL NOT RELY ON THESE QUANTITIES FOR ESTIMATING AND BIDDING PURPOSES.

SITE ANALYSIS DATA

1. TOTAL SITE AREA: 1.509 AC. OR 65,723 S.F.
2. TOTAL DISTURBED AREA: 1.57 AC. OR 68,441 S.F.
3. TOTAL IMPERVIOUS AREA: 0.96 AC. OR 41,834 S.F.
4. AREA TO VEGETATIVELY STABILIZED: 0.49 AC. OR 21,106 S.F.
5. EARTHWORK: (10 SUBGRADE)
CUT: - 2,500 C.Y.
FILL: - 990 C.Y.

NOTE: THESE QUANTITIES ARE FOR SEDIMENT CONTROL USE ONLY. CONTRACTOR SHALL NOT RELY ON THESE QUANTITIES FOR ESTIMATING AND BIDDING PURPOSES.

Redline Revision #2
Revise the convenience store/guich serve restaurant from 3,997 SF to a 3,200 SF convenience store, with no guich service restaurant.



6-6-05, For Redline Revision #2.

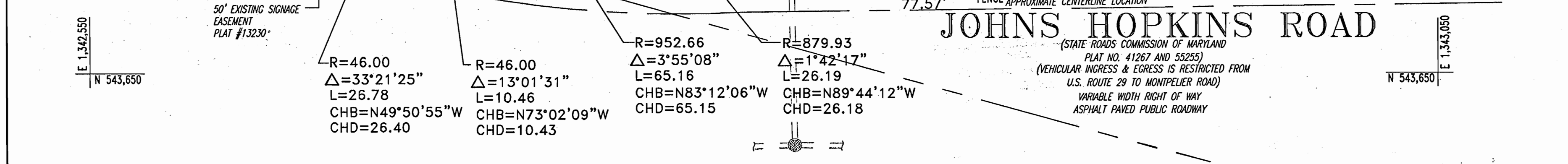
APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF-DEVELOPMENT ENGINEERING DIVISION
CHIEF-DIVISION & LAND DEVELOPMENT
DIRECTOR

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

NO.	DATE	REVISION DESCRIPTION
2	6-6-05	Revised to a 3,200 SF store

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
AREA: TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND
TITLE: EROSION & SEDIMENT CONTROL PLAN

BOHLER ENGINEERING, P.C.
DESIGNED BY: J.J.U.
DRAWN BY: R.L.B.
PROJECT NO.: MD034006
DATE: 2/17/04
SCALE: 1"=40'
DRAWING NO. 10 OF 17



Reviewed for **HOWARD** S.C.D. Name
and meets Technical Requirements Date **10-7-04**
Signature **Jim Murray**
USDA, NATURAL RESOURCES CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved **John Halder** 10-7-04 Date
Howard S.C.D. Date

ENGINEER'S CERTIFICATE
"I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."
Signature of Engineer **Adam Volanth P.E.** 9/3/04 DATE
Signature of Developer **WPH** 9-8-04 DATE

MISS UTILITY
BEFORE YOU DIG CALL 1-800-361-7777 PROTECT YOURSELF - GIVE TWO WORKING DAYS NOTICE

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	C2/124
PLAT RECORDATION BLOCK#	ZONING	TAX MAP NO.
16832	17	PEC
WATER CODE	ELECT. DIST.	CENSUS TRACT
E21	5	6051.02
SEWER CODE		6440000

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MONTPELIER ROAD
 VARIABLE WIDTH RIGHT OF WAY
 ASPHALT PAVED PUBLIC ROADWAY

N 544,050
 E 1,342,550

N13°57'58"E
 141.83'
 N76°02'01"W
 6.00'
 N10°43'09"E
 65.44'

EX. SIDEWALK, STREET TREE & UTILITY EASEMENT PLAT #14261
 R=57.53
 $\Delta=41'09''34''$
 L=41.32
 CHB=N19°12'51"W
 CHD=40.44

N 543,650
 E 1,342,550

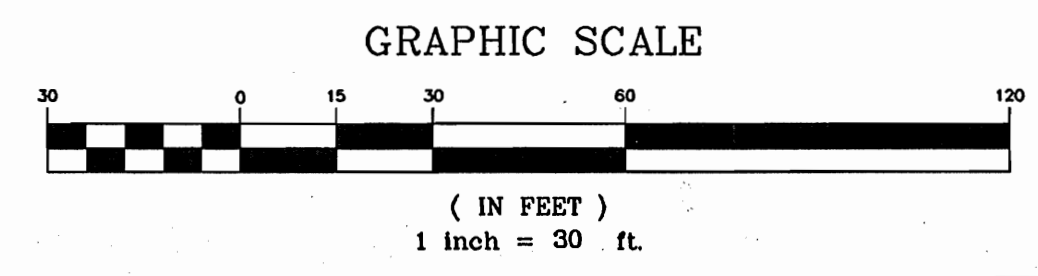
R=46.00
 $\Delta=33'21''25''$
 L=26.78
 CHB=N49°50'55"W
 CHD=26.40

R=46.00
 $\Delta=13'01''31''$
 L=10.46
 CHB=N73°02'09"W
 CHD=10.43

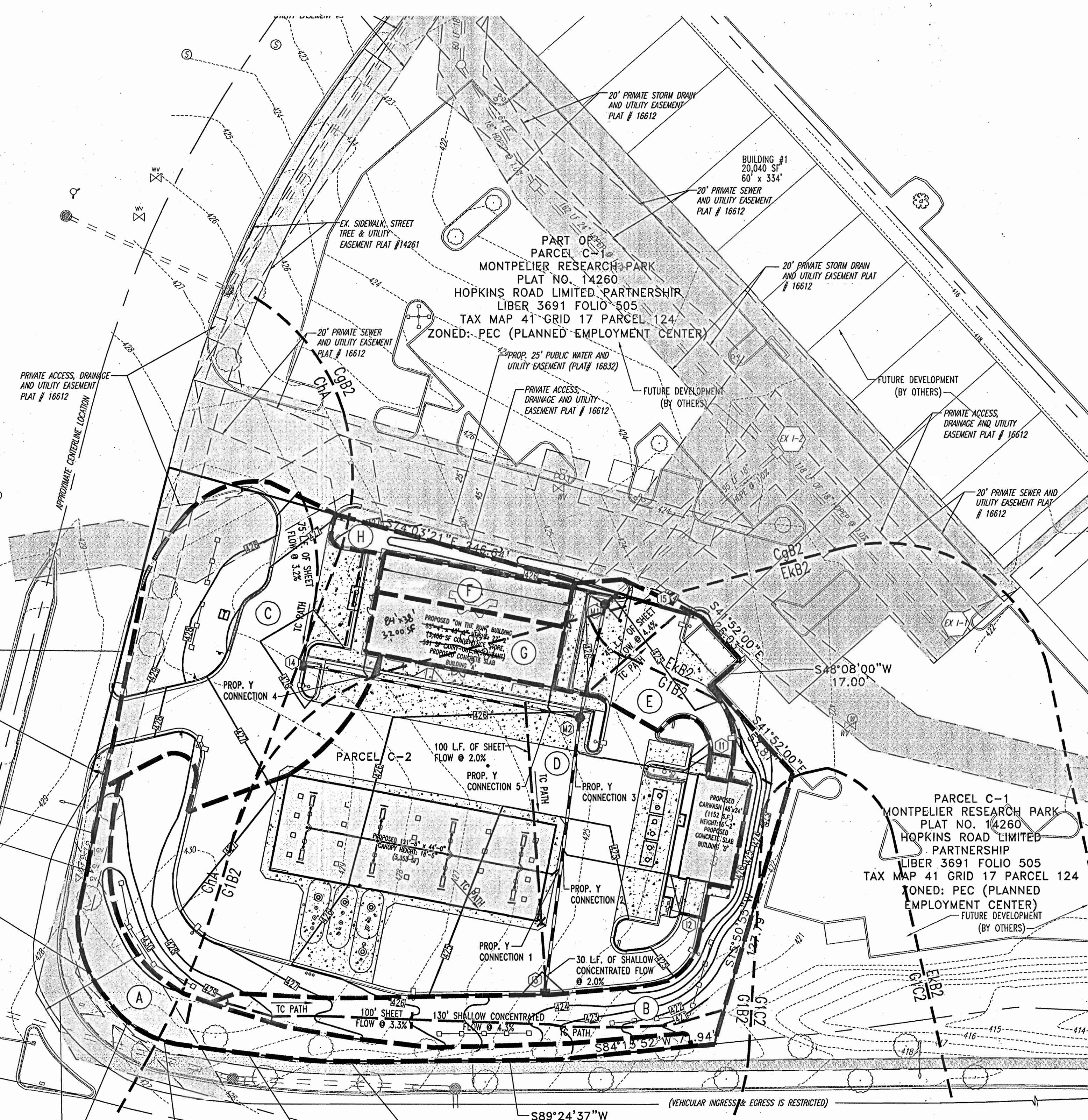
R=952.66
 $\Delta=3'55''08''$
 L=65.16
 CHB=N83°12'06"W
 CHD=65.15

R=879.93
 $\Delta=1'42''17''$
 L=26.19
 CHB=N89°44'12"W
 CHD=26.18

JOHNS HOPKINS ROAD
 (STATE ROADS COMMISSION OF MARYLAND
 PLAT NO. 41261 AND 50253)
 (VEHICULAR INGRESS & EGRESS IS RESTRICTED FROM
 U.S. ROUTE 29 TO MONTPELIER ROAD)
 VARIABLE WIDTH RIGHT OF WAY
 ASPHALT PAVED PUBLIC ROADWAY



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.



DRAINAGE AREA 'A'
 TOTAL BYPASS AREA: 3,472 S.F. OR 0.079 AC.
 C PERVIOUS = 0.21
 ZONE: PEC
 Tc= 5.0min. = .083hrs.
 100% PERVIOUS SOIL
 2 YEAR PEAK DISCHARGE = 0.13cfs
 10 YEAR PEAK DISCHARGE = 0.31cfs

DRAINAGE AREA 'B'
 TOTAL BYPASS AREA: 6,904 S.F. OR 0.158 AC.
 C PERVIOUS = 0.21
 ZONE: PEC
 Tc= 11.63min. = 0.19hrs.
 100% PERVIOUS SOIL
 2 YEAR PEAK DISCHARGE = 0.20cfs
 10 YEAR PEAK DISCHARGE = 0.49cfs

DRAINAGE AREA 'C' (DA TO 14)
 TOTAL AREA: 11,988 S.F. OR 0.27 AC.
 TOTAL PERVIOUS AREA: 5,232 OR 0.12 AC.
 TOTAL IMPERVIOUS AREA: 6,756 S.F. OR 0.15 AC.
 C PERVIOUS = 0.20
 C IMPERVIOUS = 0.86
 WETTED 'C' FACTOR = 0.56
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 56% IMPERVIOUS SURFACE
 44% PERVIOUS SOIL
 REFER TO SD COMPS

DRAINAGE AREA 'D' (DA TO 13)
 TOTAL AREA: 23,908 S.F. OR 0.55 AC.
 TOTAL PERVIOUS AREA: 3,736 OR 0.086 AC.
 TOTAL IMPERVIOUS AREA: 20,172 S.F. OR 0.463 AC.
 C PERVIOUS = 0.20
 C IMPERVIOUS = 0.86
 WETTED 'C' FACTOR = 0.75
 ZONE: PEC
 Tc= 5.11min. = 0.085hrs.
 84% IMPERVIOUS SURFACE
 16% PERVIOUS SOIL
 REFER TO SD COMPS

DRAINAGE AREA 'E'
 TOTAL AREA: 3,692 S.F. OR 0.084 AC.
 TOTAL PERVIOUS AREA: 3,692 S.F. OR 0.084 AC.
 C IMPERVIOUS = 0.85
 WETTED 'C' FACTOR = 0.85
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% IMPERVIOUS SURFACE
 REFER TO SD COMPS

DRAINAGE AREA 'F' (DA TO M1)
 TOTAL AREA: 1,530 S.F. OR 0.035 AC.
 TOTAL PERVIOUS AREA: 1,530 S.F. OR 0.035 AC.
 C PERVIOUS = 0.86
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% IMPERVIOUS SURFACE
 REFER TO SD COMPS

DRAINAGE AREA 'G' (DA TO M2)
 TOTAL AREA: 2,125 S.F. OR 0.048 AC.
 TOTAL PERVIOUS AREA = 2,125 S.F. OR 0.048 AC.
 C IMPERVIOUS = 0.86
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% IMPERVIOUS SURFACE
 REFER TO STORMDRAIN COMPS

DRAINAGE AREA 'H'
 TOTAL AREA: 1,950 S.F. OR 0.04 AC.
 TOTAL PERVIOUS AREA = 1,950 S.F. OR 0.04 AC.
 C PERVIOUS = 0.20
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% IMPERVIOUS SURFACE
 REFER TO SD COMPS

SOILS LEGEND
 CHA - CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES
 CgB2 - CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 G1G2 - GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 G1C2 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED

LEGEND
 --- SOIL BOUNDARY
 - - - DRAINAGE DIVIDE
 - - - TC PATH

Redline Revision #2
 Revise the convenience store / quick serve restaurant from 3,997 SF to a 3,200 SF convenience store with no quick serve restaurant.



6-6-05, for Redline Revision #2.

MISS UTILITY



BEFORE YOU DIG CALL
 1-800-291-7777
 PROTECT YOURSELF - DYE TWO WORKING DAYS NOTICE

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 REGULATIONS THERE TO APPURTAINANT.
 THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	TAX MAP NO.	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	41	C2/124
PLAT RECORDATION	BLOCK#	ZONING	ELECT. DISTR
16832	17	PEC	5
WATER CODE	SEWER CODE	CENSUS TRACT	
E21	6440000	6051.02	

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/23/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION DATE
[Signature] 10/22/04
 CHIEF-DIVISION & LAND DEVELOPMENT DATE
[Signature] 10/20/04
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/15/04
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT

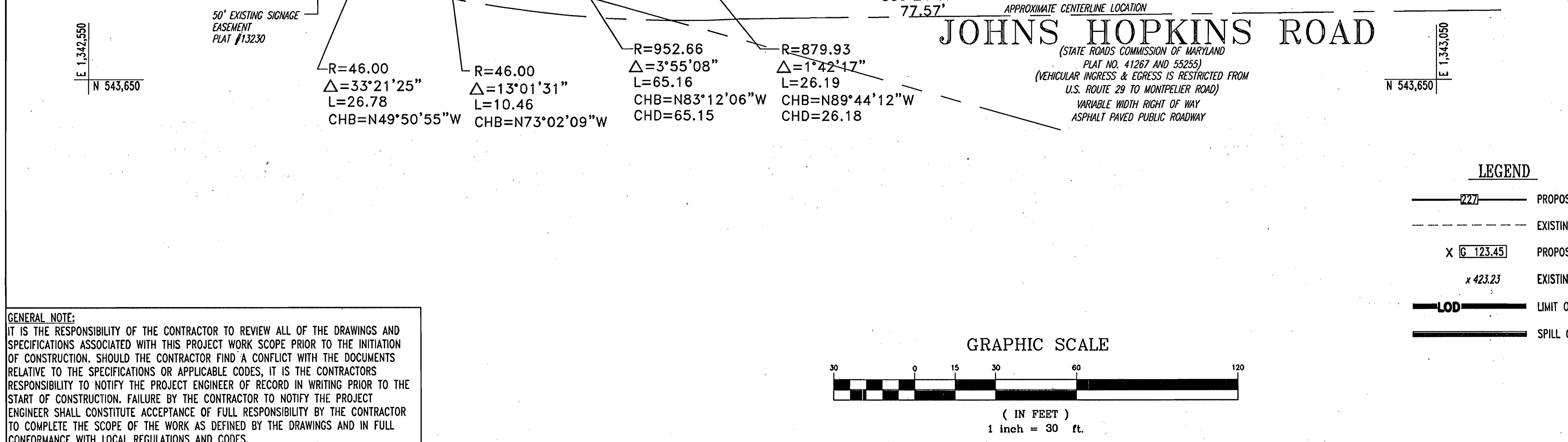
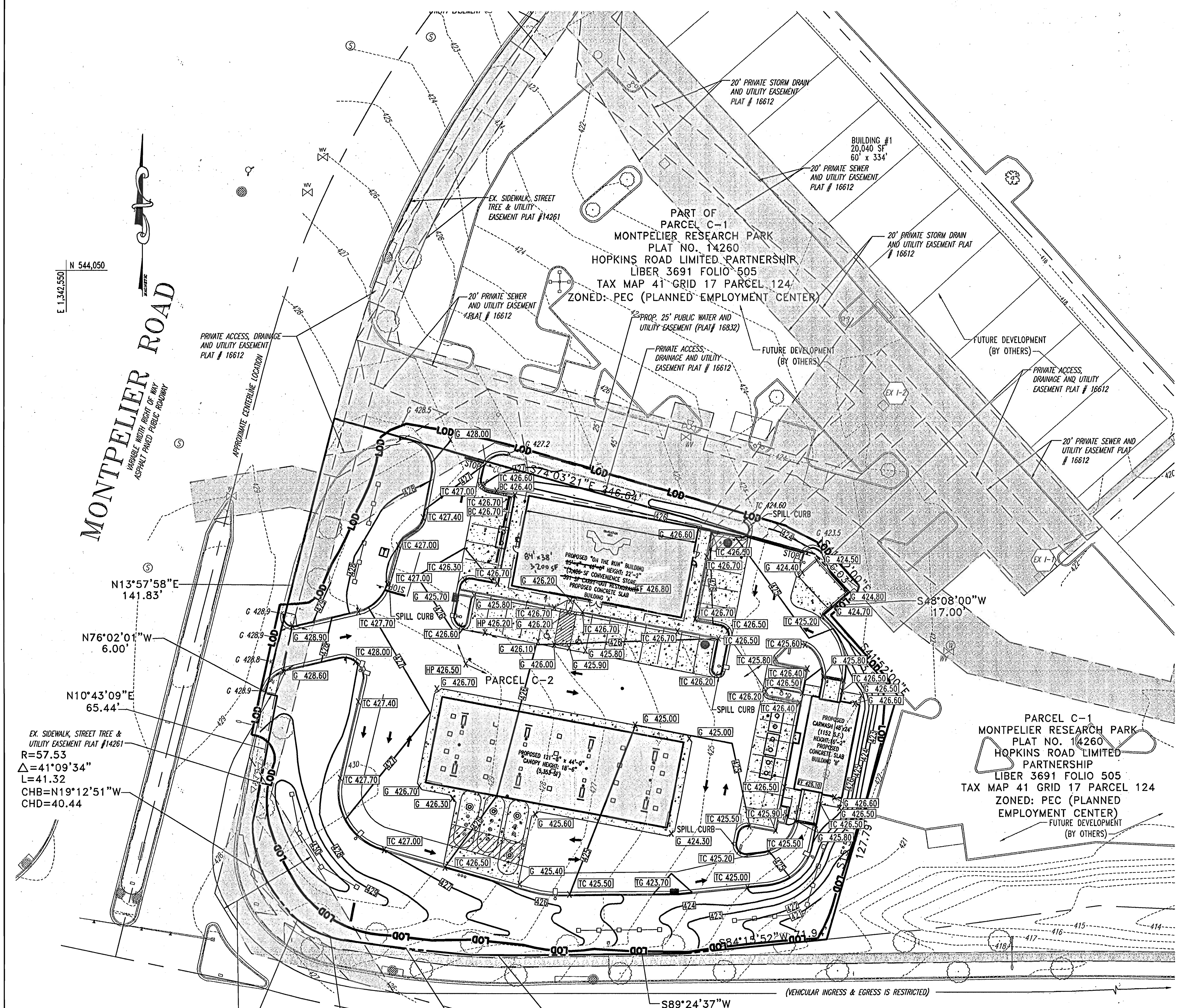
2	6-6-05	Revised to a 3,200 SF store.
NO.	DATE	REVISION DESCRIPTION
OWNER	DEVELOPER	
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037	

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

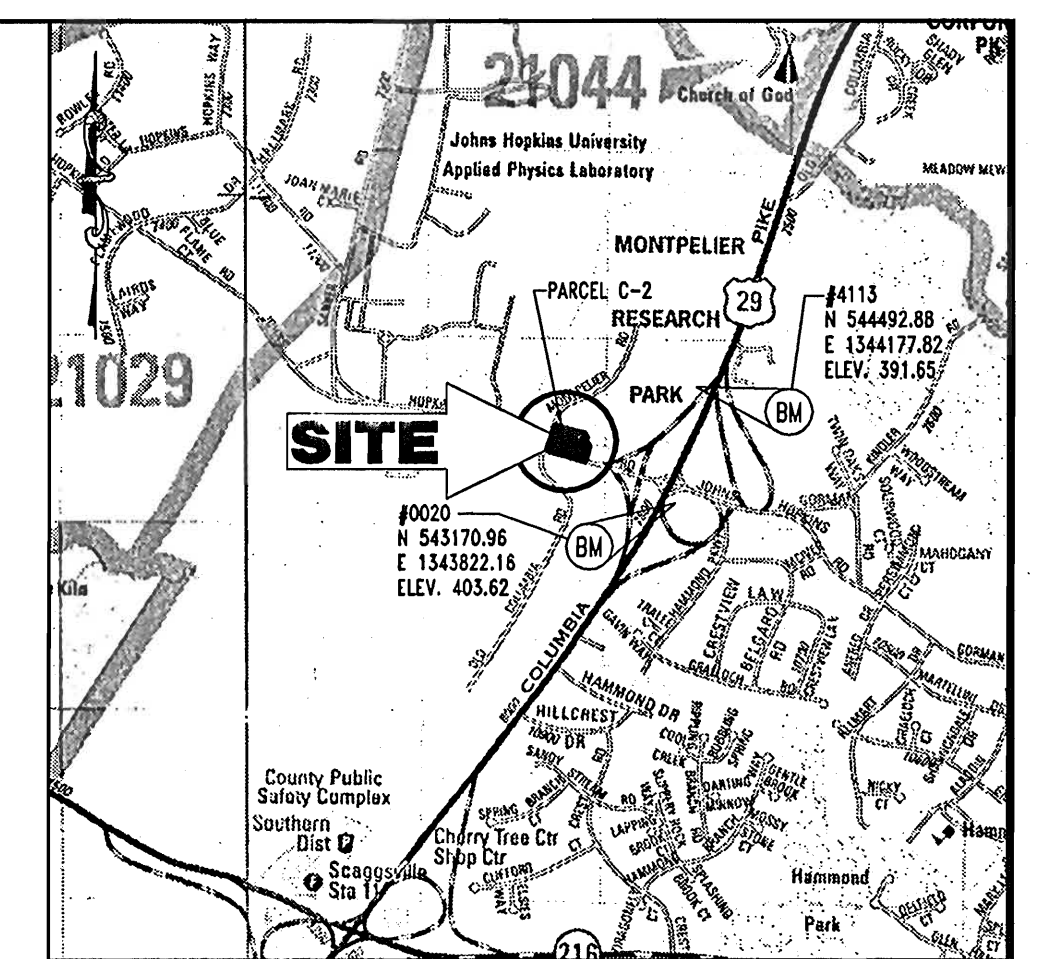
TITLE: DRAINAGE AREA MAPS

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 4810 GLENELG COURT, SUITE 300, TOWSON, MD 21286
 (410) 651-7900 FAX (410) 651-7901 | www.bohlereng.com

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: M0034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 9 OF 17



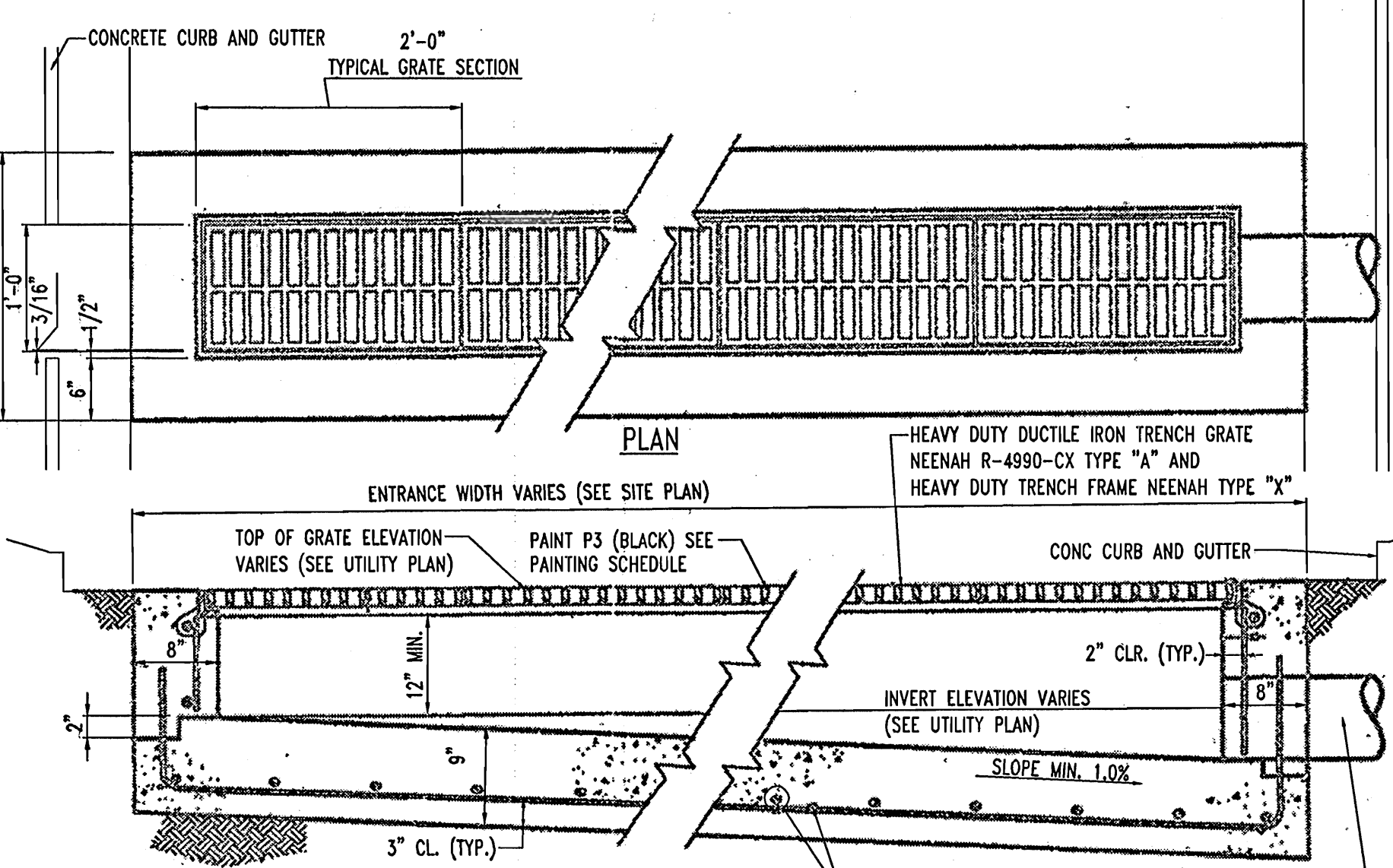
- GRADING NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHY AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 0.75% MIN. SLOPE AGAINST ALL GUTTERS TO PREVENT PONDING. ANY DISCREPANCIES SHALL BE PROVIDED TO THE ENGINEER IN WRITING IMMEDIATELY.
 - SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED TO 95% OPTIMUM DENSITY (AS DETERMINED BY MODIFIED PROCTOR METHOD).
 - SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND STANDARDS OF THE LOCAL AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER A.S.T.M. TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED, LICENSED, SOILS ENGINEER, CERTIFYING THAT THE SUBBASE WITHIN THE AREAS TO BE PAVED HAS BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS.
 - 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 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 WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
 - LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICES CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST POINTS. CROSSINGS WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - ALL SPOT SHOTS ON PROPOSED CURBS ARE TAKEN FROM TOP OF CURB AND ARE TO BE 6" TO BOTTOM OF CURB UNLESS OTHERWISE NOTED.
 - SITE AREA: 1.50 AC.
 - DISTURBED AREA: 1.57 AC.
 - OWNER: HOPKINS ROAD LIMITED PARTNERSHIP
9030 RED BRANCH ROAD, SUITE 200
COLUMBIA, MD 21045-2055
 - THESE PLANS ARE BASED ON THE MARYLAND COORDINATE SYSTEM (MCS) AND TIE NORTH VERTICAL DATUM OF 1988 (NAVDBS).
 - STORMWATER MANAGEMENT IS PROVIDED VIA A REGIONAL FACILITY CONSTRUCTED FOR THE MONTPELIER RESEARCH PARK.



LOCATION MAP
 COPYRIGHT ADC THE MAP PEOPLE
 PERMIT USE NO. 20694276
 SCALE: 1"=2000'

BENCHMARK INFORMATION

HOWARD COUNTY BENCHMARK NO. 0020 ELEVATION: 403.62 N 543170.96 E 1343822.16	HOWARD COUNTY BENCHMARK NO. 4113 ELEVATION: 391.65 N 544492.88 E 1344177.82
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TYPICAL TRENCH DRAIN DETAIL AND ELEVATION
 FINISH GRADE (REFER TO GRADING PLAN)
 #4 @ 12" O.C.E.W. (TYP.) RCP/PVC (SEE UTILITY PLAN)
 SLOPE MIN. 1.0%

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION 10/13/04
 CHIEF-DIVISION & LAND DEVELOPMENT 10/20/04
 DIRECTOR 10/20/04

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 COUNTY HEALTH OFFICER 10/18/04
 HOWARD COUNTY HEALTH DEPARTMENT

2	6-6-05	Revised to a 3200 SF store
NO.:	DATE	REVISION DESCRIPTION
OWNER	HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	DEVELOPER EXXON MOBIL CORPORATION C/O TRANMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND
 TITLE: GRADING PLAN

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 4310 GLENMOUNTS COURT, SUITE 300, TOWSON, MD 21286
 (410) 841-9900 FAX: (410) 841-0781

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: WD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 5 OF 17

MISS UTILITY



BEFORE YOU DIG CALL 1-800-351-7777
 PROTECT YOURSELF. GIVE TWO WORKING DAYS NOTICE

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THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTPELIER ROAD

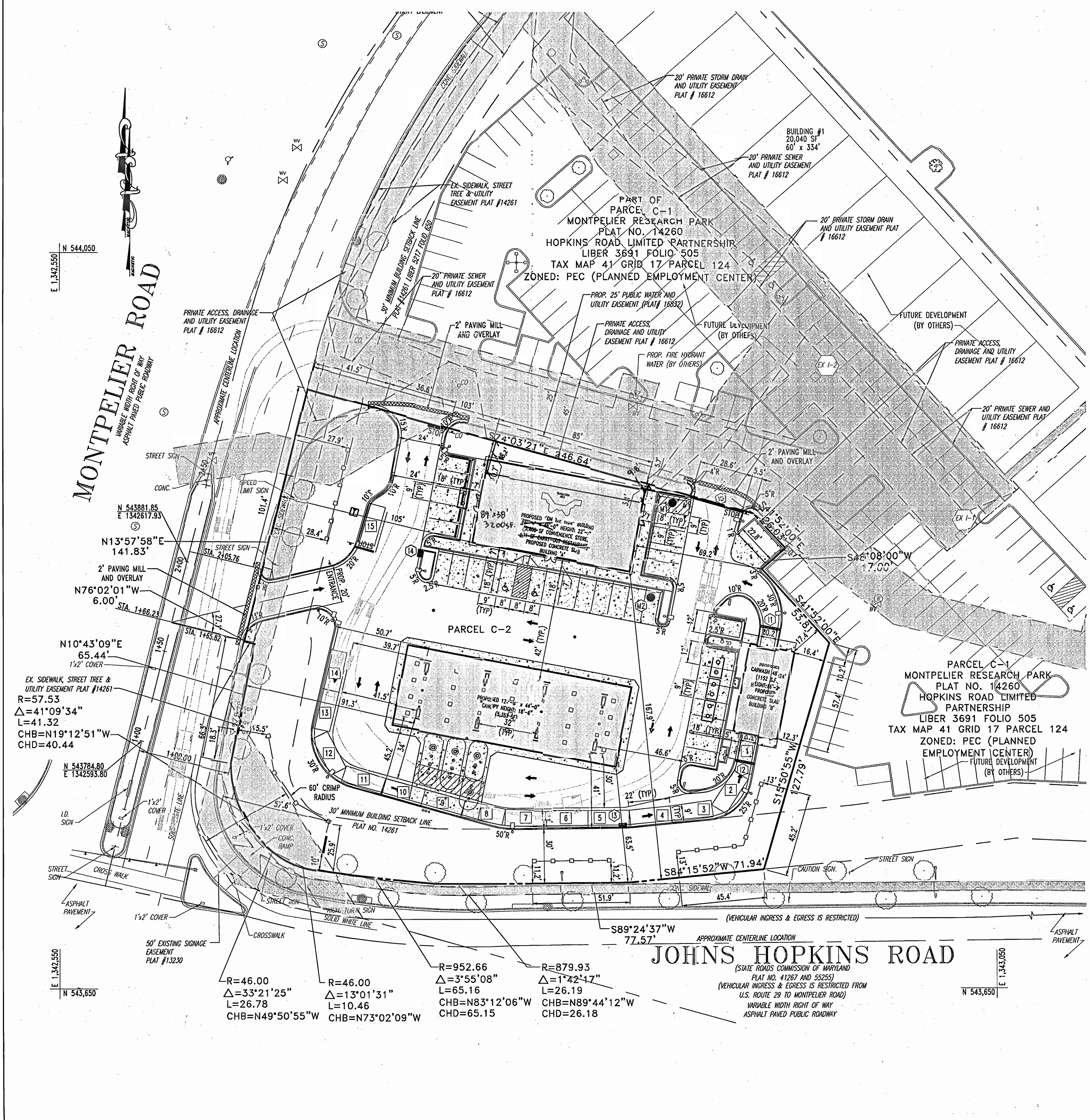
PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	TAX MAP NO.	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	41	C2/124
PLAT RECORDATION BLOCK#	ZONING	ELECT. DIST.	CENSUS TRACT
16832	17	5	6051.02
WATER CODE	E21	SEWER CODE	6440000

Redline Revision #2
 Revise the convenience store/guich serve restaurant from 3997 SF to a 3,200 SF convenience store, with no guich serve restaurant.



6-6-05, For Redline Revision #2

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 WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.



GENERAL NOTES:

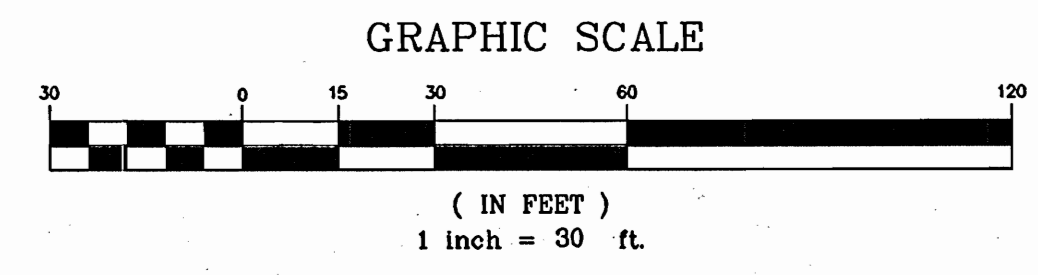
- UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST HOWARD COUNTY PLUMBING CODE AND DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND DETAILS. IN CASE OF CONFLICT OR DISCREPANCY, THE PLUMBING CODE SHALL APPLY.
- EXISTING SITE FEATURES AND UTILITIES SHOWN HAVE BEEN BASED UPON SURVEYS AND OTHER SOURCES BELIEVED TO BE RELIABLE. THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 A MINIMUM OF THREE WORKING DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN, REPAIR, AND/OR REPLACE ANY EXISTING SEDIMENT CONTROL DEVICES ENCOUNTERED AND DISTURBED DURING THE COURSE OF CONSTRUCTION. AT THE END OF EACH DAY, ALL MEASURES AND DEVICES SHALL BE REPAIRED OR REPLACED BEFORE LEAVING THE WORK SITE.
- CONSTRUCTION SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION ON THE APPROVED EROSION AND SEDIMENT CONTROL DRAWING.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES.
- NUMERICALLY WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- UNLESS OTHERWISE NOTED, DIMENSIONS FROM CURB ARE MEASURED AT FACE OF CURB.
- REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.
- ALL GRADING AND EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S REPORT PREPARED BY GEO-TECHNOLOGY ASSOCIATES, INC. DATED 06/18/2003, AND INSPECTED BY A GEOTECHNICAL ENGINEER.
- FINISHED GRADES SHALL FALL AWAY FROM EXISTING AND PROPOSED BUILDINGS AT A MINIMUM OF 1/4 INCH PER FOOT FOR VEGETATED AREAS AND A MINIMUM OF 1/8 INCH PER FOOT FOR PAVED AREAS UNLESS OTHERWISE INDICATED.
- CONSTRUCTION OF SUBGRADE, UNDERDRAINS, AND PAVING SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES. AS NECESSARY, REPORT ANY DISCREPANCIES FROM THE PLANS TO BOHLER ENGINEERING, P.C. ALL UTILITIES SHALL BE RETAINED UNLESS LABELED OTHERWISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST AND WORK REQUIRED TO ADJUST EXISTING AND PROPOSED UTILITIES AND APPURTENANCES TO FINISH GRADES WITHIN THE LIMITS OF WORK. DAMAGE TO EXISTING CONDITIONS AND UTILITIES SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL HAVE ALL PRIVATE UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.
- EXISTING UTILITIES WHICH ARE NOT TO BE REMOVED OR ABANDONED SHALL REMAIN OPERATIONAL AT ALL TIMES. APPROPRIATE EXISTING UTILITIES SHALL REMAIN IN SERVICE UNTIL REPLACEMENT/RELOCATED UTILITIES ARE OPERATIONAL. IF ANY INTERRUPTION OF A UTILITY SERVICE IS ANTICIPATED, NOTIFY AFFECTED ACCOUNT HOLDERS IN ACCORDANCE WITH THE GUIDELINES OF THE RESPECTIVE UTILITY COMPANY.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL UTILITIES TO AVOID CONSTRUCTION PROBLEMS/CONFLICTS WITH EROSION AND SEDIMENT CONTROL MEASURES. SEE APPROVED SEDIMENT CONTROL PLAN.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WATER, SEWER, AND DRAIN HOUSE CONNECTIONS WITH THE MECHANICAL DRAWINGS.
- THE CONTRACTOR SHALL MAINTAIN 2.0 FEET MINIMUM COVER OVER ALL UTILITIES DURING CONSTRUCTION.
- ELECTRIC, TELEPHONE, GAS, CABLE, LIGHTING, AND RETAINING WALLS TO BE DESIGNED BY OTHERS. WHERE THOSE FACILITIES ARE SHOWN, THEY ARE FOR COORDINATION PURPOSES ONLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK NOT SPECIFICALLY MENTIONED ON THE PLANS WHICH NORMALLY WOULD BE REQUIRED TO COMPLETE THE PROJECT.
- ALL UTILITY CONNECTIONS ARE TO BE AS PER LOCAL CODE BY GENERAL CONTRACTOR
- GENERAL CONTRACTOR TO PROVIDE CONDUIT & WIRING TO ALL I.D. SIGNS
- UNLESS OTHERWISE NOTED, ALL PAINT TO BE FURNISHED BY GENERAL CONTRACTOR
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND CONSTRUCTION AS SHOWN ON PLANS UNLESS OTHERWISE NOTED.



6-6-05, For Redline Revision #2

Redline Revision #2
Revise the convenience store/guich serve restaurant from 3,997 SF to a 3,200 SF convenience store, with no quick serve restaurant.

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.



MISS UTILITY



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 REGULATIONS THEREOF APPROPRIATE.
THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART			
LOT/PARCEL #	STREET ADDRESS		
C2/124	7500 MONTPELIER ROAD		

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	TAX MAP NO.	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	41	C2/124
PLAT RECORDATION	BLOCK#	ZONING	ELECT. DISTR
16832	17	PEC	5
WATER CODE	E21	SEWER CODE	6440000

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/13/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
[Signature] 10/20/04
 CHIEF-DIVISION & LAND DEVELOPMENT
[Signature] 11/20/04
 DIRECTOR

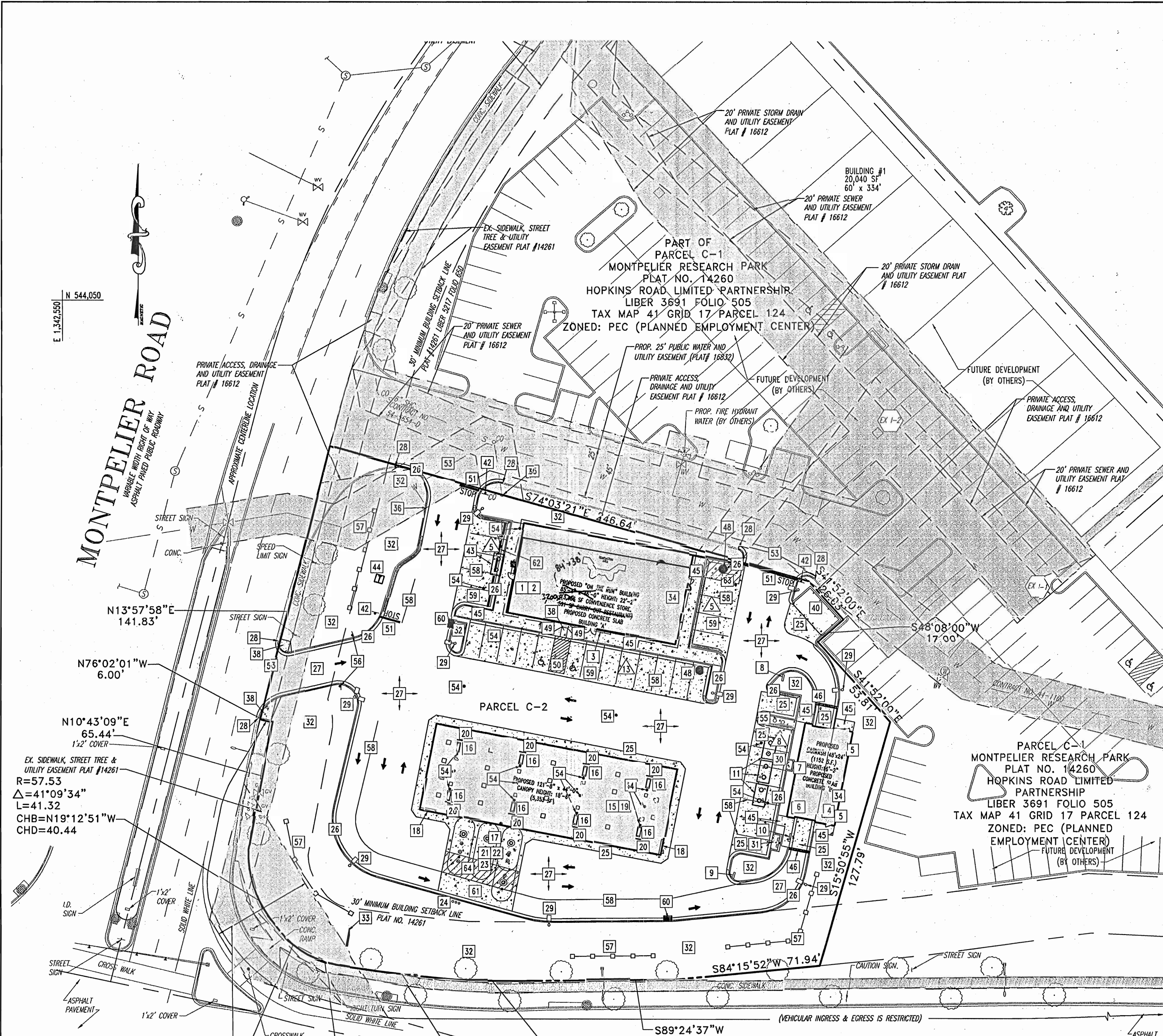
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/18/04
 COUNTY HEALTH OFFICER
 HOWARD COUNTY DEPARTMENT

NO.:	DATE	REVISION DESCRIPTION
2	6-6-05	Revised to a 3,200 SF store
OWNER	DEVELOPER	
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037	

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

BOHLER ENGINEERING, P.C.

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 4 OF 17

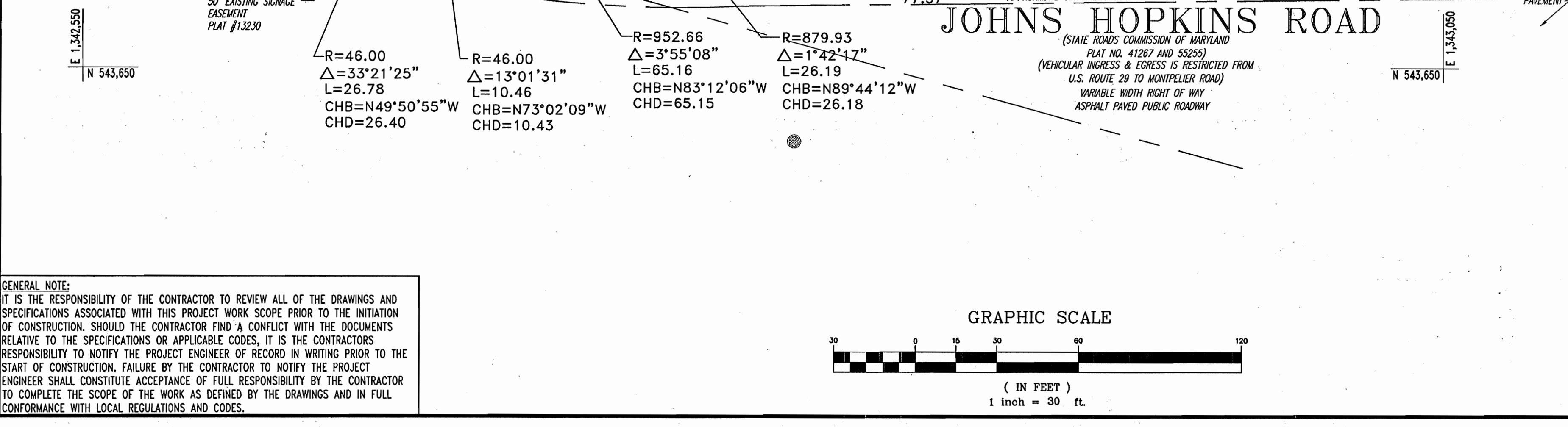


GENERAL NOTES

- CW - CARWASH SUPPLIER
- CS - CANOPY SUPPLIER
- GC - GENERAL CONTRACTOR
- XOM - EXXONMOBIL
- O - OTHER
- 12 - IMPROVEMENT ITEM
- 9 - PARKING SPACES
- NEW ASPHALT PAVING (ON PLAN)
- NEW CONCRETE (ON PLAN)
- ETR - EXISTING TO REMAIN
- INDICATES TRAFFIC FLOW ONLY. (DOES NOT REFLECT PAINTED TRAFFIC CONTROLS.)
- FIRE HYDRANT

- ALL UTILITY CONNECTIONS ARE TO BE AS PER LOCAL CODE BY G.C.
- G.C. TO PROVIDE CONDUIT & WIRING TO ALL EXXONMOBIL I.D. SIGNS & CONDUIT ONLY TO PUBLIC TELEPHONE BOOTH.
- SITE PLAN SUPERSEDES ALL WORKING DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL PAINT TO BE FINISHED BY G.C.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND CONSTRUCTION AS SHOWN ON PLANS UNLESS OTHERWISE NOTED.

ITEM NUMBER	FURNISHED BY	INSTALLED BY	DESCRIPTION	DRAWING NO.
1	GC	GC	BUILDINGS	SEE ARCH. DWGS.
2	GC	GC	BUILDINGS TYPE (85'-4" x 46'-0") *ON THE RUN* (BY GC FURNISHED/INSTALLED)	SHEET 7
3	XOM	GC	BUILDINGS DOWNSPOUT DRAINS <input checked="" type="checkbox"/> UNDERGROUND <input type="checkbox"/> ABOVEGROUND	SHEET 15
4	GC	GC	BUILDINGS SIGNS	SEE ARCH. DWGS.
5	GC	GC	CARWASH (48'-0" x 24'-0")	SHEET 7
6	GC	GC	CARWASH DOWNSPOUT DRAINS <input checked="" type="checkbox"/> UNDERGROUND <input checked="" type="checkbox"/> ABOVEGROUND	SEE ARCH. DWGS.
7	XOM	GC	CARWASH EQUIPMENT	SEE ARCH. DWGS.
8	XOM	GC	CARWASH "WASH N' RUN" SIGN	SEE ARCH. DWGS.
9	XOM	GC	CARWASH "EXIT" SIGN	SEE ARCH. DWGS.
10	XOM	GC	CARWASH "ENTER" SIGN	SEE ARCH. DWGS.
11	XOM	GC	COIN BOX FOR CARWASH	SEE ARCH. DWGS.
12	XOM	GC	CARWASH BELCAIN	SEE ARCH. DWGS.
15	CS	CS	CANOPY/ISLANDS	SEE CANOPY DWGS.
16	XOM	GC	CANOPY TYPE (121'-8" x 44'-0")	SEE CANOPY DWGS.
17	XOM	GC	DISPENSING EQUIPMENT - 8 MPD'S W/ CRIND & VAPOR VAC (ENCORE)	SHEET 15
18	XOM	GC	G-SITE SYSTEM (2) REQUIRED	SHEET 15
19	XOM	GC	CANOPY FASICA SIGNS	SHEET 6
20	XOM	GC	CANOPY DOWNSPOUT DRAINS <input checked="" type="checkbox"/> UNDERGROUND <input type="checkbox"/> ABOVEGROUND	SHEET 6
21	XOM	GC	BOLLARDS (8 EA.)	SEE ARCH. DWGS.
22	XOM	GC	YARD AREA-TANKS	SEE ARCH. DWGS.
23	XOM	GC	TANKS FOR MOTOR FUEL (1) 15K SUPREME (1) 12K REGULAR (1) 20K (12K SUPREME) (8K DEISEL)	SEE ARCH. DWGS.
24	XOM	GC	STP W/LEAK DETECTORS (S) 1 1/2 HP	SEE ARCH. DWGS.
25	XOM	GC	GEO FLEX D PRODUCT PIPING	SEE ARCH. DWGS.
26	XOM	GC	VAPOR RECOVERY SYSTEM (STAGE I & STAGE II) W/ VENT PIPES	SEE ARCH. DWGS.
27	XOM	GC	VENT PIPES	SEE ARCH. DWGS.
28	XOM	GC	YARD AREA - OTHER	SEE ARCH. DWGS.
29	XOM	GC	6" CONCRETE W/ #5 REBAR AT 18" O.C. EACH WAY	1090D DWGS.
30	XOM	GC	6" REINFORCED CONCRETE CURB W/ 16" GUTTER	SHEET 6; 1090D DWGS.
31	XOM	GC	ASPHALT PAVING PER XOM SPECIFICATIONS & PER XOM ENGINEER	SHEET 6
32	XOM	GC	MATCH EXISTING CURB & GUTTER (IN KIND)	1090D DWGS.
33	XOM	GC	NEW YARD LIGHTS (16" HIGH), FIXTURES & POLES (PREFINISHED)	1090D DWGS.
34	XOM	GC	AIR/WATER W/INFORMATION SIGN	1090D DWGS.
35	XOM	GC	3'x6'x4" REINFORCED CONCRETE MAT W/CONDUIT FOR PUBLIC TELEPHONES	1090D DWGS.
36	XOM	GC	LANDSCAPING AREA	SHEET 12
37	XOM	GC	MAJOR I.D. SIGN	SHEET 15
38	XOM	GC	BUILDING ELECTRICAL, TELEPHONE, AND GAS SERVICE ROUTED UNDERGROUND PER TCC FIELD ENGINEER & LOCAL COUNTY CODES	SHEET 7
39	XOM	GC	SANITARY SEWER SERVICE - TIE INTO EXISTING SANITARY SEWER STUBOUT PER TCC FIELD ENGINEER & LOCAL COUNTY CODES	SHEET 7
40	XOM	GC	WATER SERVICE - TIE INTO EXISTING WATER SERVICE LATERAL PER TCC FIELD ENGINEER & LOCAL COUNTY CODES	SHEET 7
41	XOM	GC	HANDICAP RAMP PER LOCAL, FED. & ADA CODES	SHEET 6
42	XOM	GC	MASONRY TRASH ENCLOSURE	SHEET 15
43	XOM	GC	STOP SIGN	SHEET 6
44	XOM	GC	1000 GALLON GREASE TRAP	BGE SPEC.
45	XOM	GC	ELECTRIC TRANSFORMER	SHEET 6
46	XOM	GC	SIDEWALK	SHEET 7
47	XOM	GC	TRENCH DRAIN	SHEET 7
48	XOM	GC	NOT USED	SHEET 6
49	XOM	GC	MANHOLE	SHEET 6
50	XOM	GC	HANDICAP PARKING SIGN WALL MOUNTED	SHEET 6
51	XOM	GC	HANDICAP PAINT STRIPING	SHEET 6
52	XOM	GC	STOP BAR	SHEET 6
53	XOM	GC	NOT USED	SHEET 6
54	XOM	GC	MEET EXISTING PAVEMENT	SHEET 6
55	XOM	GC	CLEAN OUT	SHEET 6
56	XOM	GC	VACUUM ISLAND	SHEET 6
57	XOM	GC	"DO NOT ENTER" SIGN	SHEET 6
58	XOM	GC	LANDSCAPE FENCE	SHEET 12
59	XOM	GC	4" PAINT STRIPE	SHEET 6
60	XOM	GC	6" BLACK CONCRETE W/ #3 REBAR @ 12" O.C. EACH WAY PER EXXON MOBIL STANDARD	1090D DWGS.
61	XOM	GC	STANDARD HOWARD COUNTY TYPE "S" INLET	SHEET 7
62	XOM	GC	8" CONCRETE W/ #3 REBAR AT 18" O.C. EACH WAY	1090D DWGS.
63	XOM	GC	CONCRETE WHEEL STOPS (TYP OF 5)	SHEET 7
64	XOM	GC	PANEL TRUCK DELIVERY AREA	SEE ARCH. DWGS.



MISS UTILITY

BEFORE YOU DIG CALL 888-999-7777
PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

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 REGULATIONS THERETO APPURTENANT.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7500 MONTEPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	DRAWING NO.
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION BLOCK#	ZONING	TAX MAP NO.	ELECT. DIST.
16832	17	41	5
WATER CODE	SEWER CODE	CENSUS TRACT	
E21	6440000	6051.02	

APPROVED: DEPARTMENT OF PLANNING AND ZONING

CHIEF-DEVELOPMENT ENGINEERING DIVISION *[Signature]* 10/23/04 DATE

CHIEF-DIVISION & LAND DEVELOPMENT *[Signature]* 10/22/04 DATE

DIRECTOR *[Signature]* 10/20/04 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.

COUNTY HEALTH OFFICER *[Signature]* 10/20/04 DATE

HOWARD COUNTY HEALTH DEPARTMENT 580

6-6-05 Revised to a 3200 SF STORE

NO.: DATE REVISION DESCRIPTION

OWNER: HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055

DEVELOPER: EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION

AREA: TAX MAP 41 BLOCK 17 ZONED PEC MONTEPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND

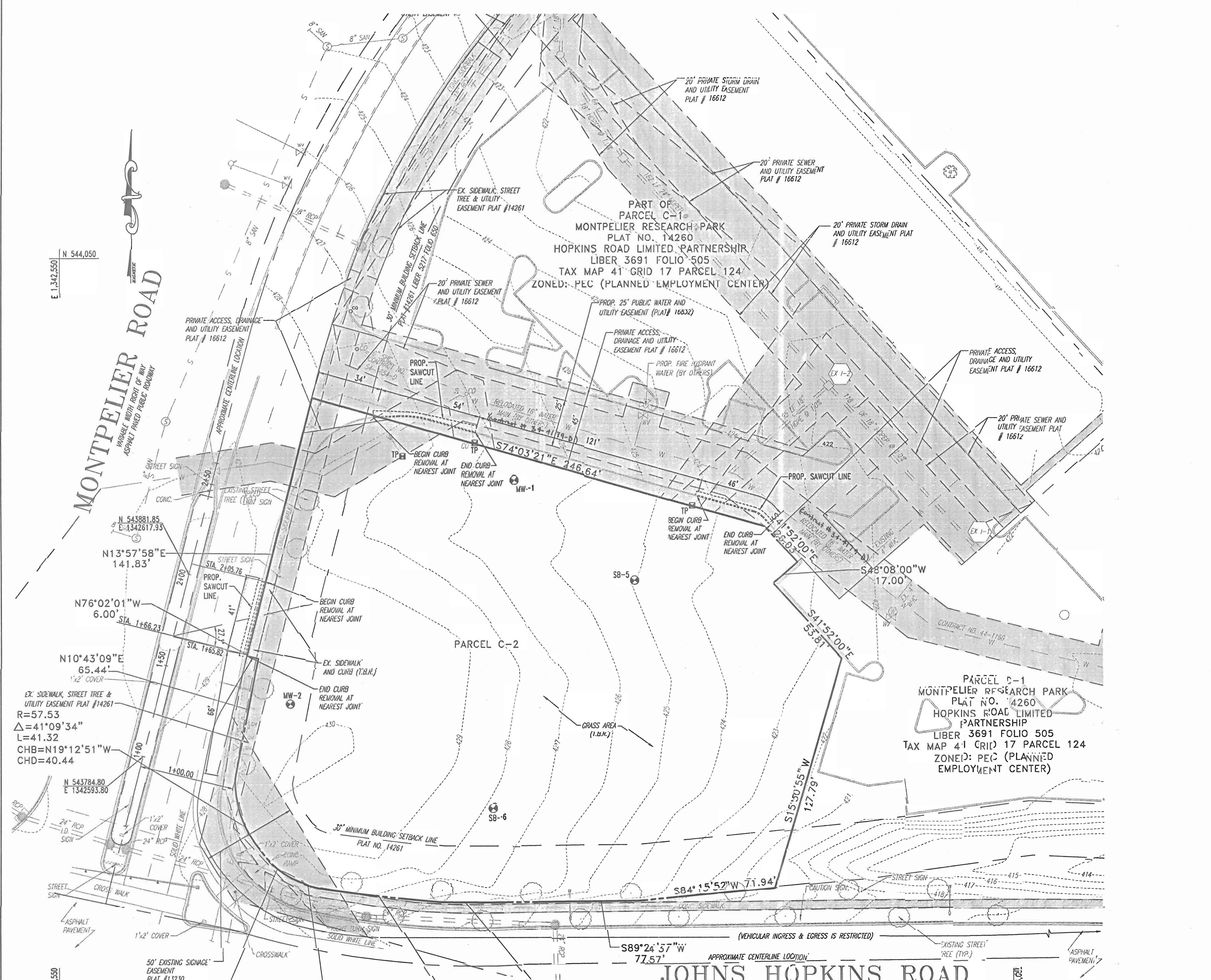
TITLE: SITE PLAN

BOHLER ENGINEERING, P.C.

PROFESSIONAL ENGINEERING SERVICES
#1810 GLENDALES COUNTY SUITE 300 TOWSON, MD 21286#
(410) 821-7800 FAX: (410) 821-7807 www.bohlereng.com

DESIGNED BY: J.J.U.
DRAWN BY: R.L.B.
PROJECT NO.: M0034006
DATE: 2/17/04
SCALE:
DRAWING NO. 3 OF 17

PROFESSIONAL ENGINEER NUMBER NO. 21342



- ### DEMOLITION NOTES:
- ALL DEMOLITION ACTIVITIES ARE TO BE PERFORMED IN STRICT ADHERENCE TO FEDERAL, STATE AND LOCAL REGULATIONS.
 - DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS.
 - BREAK UP CONCRETE SLABS-ON-GRADE, UNLESS OTHERWISE DIRECTED BY THE CLIENT.
 - CONDUCT DEMOLITION SERVICES IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS AND OTHER OCCUPIED FACILITIES WITHOUT PRIOR WRITTEN PERMISSION OF THE CLIENT AND ANY APPLICABLE GOVERNMENTAL AUTHORITIES. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRED BY APPLICABLE GOVERNMENTAL REGULATION.
 - USE WATERING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS, AS NECESSARY TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND SETTLING IN THE AIR. CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF ALL DUST AND DEBRIS CAUSED BY THE DEMOLITION OPERATIONS. RETURN ALL ADJACENT AREAS TO THE CONDITIONS EXISTING PRIOR TO THE START OF WORK.
 - DEMOLITION IS TO BE PERFORMED IN SUCH A MANNER AS TO PREVENT THE UNAUTHORIZED ENTRY OF PERSONS AT ANY TIME.
 - COMPLETELY FILL BELOW GRADE AREAS AND VOIDS RESULTING FROM THE DEMOLITION OF STRUCTURES AND FOUNDATIONS WITH SOIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER. STONES USED WILL NOT BE LARGER THAN 6 INCHES IN DIMENSION. MATERIAL FROM DEMOLITION MAY NOT BE USED AS FILL. PRIOR TO PLACEMENT OF FILL MATERIALS, UNDERTAKE ALL NECESSARY ACTION IN ORDER TO INSURE THAT AREAS TO BE FILLED ARE FREE OF STANDING WATER, FROST, FROZEN MATERIAL, TRASH, DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 6 INCHES IN LOOSE DEPTH AND COMPACT EACH LAYER AT PLACEMENT TO 95% OPTIMUM DENSITY. GRADE THE SURFACE TO MEET ADJACENT CONTOURS AND TO PROVIDE SURFACE DRAINAGE.
 - REMOVE FROM THE DESIGNATED SITE, AT THE EARLIEST POSSIBLE TIME, ALL DEBRIS, RUBBISH, SALVAGEABLE ITEMS, HAZARDOUS AND COMBUSTIBLE SERVICES. REMOVED MATERIALS MAY NOT BE STORED, SOLD OR BURNED ON THE SITE. REMOVAL OF HAZARDOUS AND COMBUSTIBLE MATERIALS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROCEDURES AS AUTHORIZED BY THE FIRE DEPARTMENT OR OTHER APPROPRIATE REGULATORY AGENCIES AND AUTHORITIES.
 - CUT OFF, DISCONNECT AND SEAL IN CONCRETE ALL UTILITIES SERVING THE STRUCTURE(S) TO BE DEMOLISHED BEFORE THE COMMENCEMENT OF THE DEMOLITION. MARK FOR POSITION ALL UTILITY DRAINAGE AND SANITARY LINES AND PROTECT ALL ACTIVE LINES. CLEARLY IDENTIFY BEFORE THE COMMENCEMENT OF DEMOLITION, SERVICES THAT REQUIRE INTERRUPTION OF ACTIVE SYSTEMS THAT MAY AFFECT OTHER PARTS, AND NOTIFY ALL APPLICABLE UTILITY COMPANIES TO INSURE THE CONTINUATION OF SERVICE.
 - PRIOR TO THE ONSET OF DEMOLITION, THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES ON SITE AND COORDINATE REMOVAL OF SAID UTILITIES WITH THE RESPECTIVE UTILITY COMPANY.
 - PRIOR TO THE ONSET OF DEMOLITION THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AS REQUIRED BY HOWARD COUNTY, THE STATE OF MARYLAND AND ANY APPLICABLE FEDERAL AGENCIES.
 - T.B.R.-TO BE REMOVED.
 - ALL EXISTING SHRUBBERY WITH IN THE LIMITS OF DISTURBANCE IS TO BE REMOVED UNLESS OTHERWISE NOTED.
 - ALL EXISTING GRAVEL ON THE SUBJECT SITE IS TO BE REMOVED.
 - ANY OTHER FEATURES NOT SHOWN ON THIS SURVEY, BUT NOT SITE SPECIFIC TO THE SUBJECT SITE ARE TO BE REMOVED, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FENCES, AND SIGNS.
 - THE CONTRACTOR IS RESPONSIBLE FOR SAFETY ON THE SITE AT ALL TIMES DURING THE DEMOLITION PROCESS.
 - LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. ALL LOCATIONS ARE 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 AS-BUILT PLANS AND UTILITY MARKOUTS DO NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANY.
 - ELEVATIONS SHOWN HEREON REFERENCE THE NATIONAL GEODETIC VERTICAL DATUM (NGVD29) WITH LOCAL REFERENCE TO HOWARD COUNTY SURVEY CONTROL STATION NO. 0020 WITH ELEV. 403.02 AND NO. 4113 WITH ELEV. 491.55.
 - THE PROPERTY IS LOCATED IN FLOOD HAZARD ZONE C (AREAS OF MINIMAL FLOODING) PER MAP ENTITLED "FIRM, FLOOD INSURANCE RATE MAP, HOWARD COUNTY, MARYLAND, PANEL 38 OF 45, COMMUNITY-PANEL NUMBER 240044 0038 B, EFFECTIVE DATE DECEMBER 4, 1986.
 - EXISTING ITEMS TO BE REMOVED ARE DEPICTED WITH DASHED LINES/TYPES.
 - GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS RELATIVE TO DEMOLITION.
 - REFERENCE HOWARD COUNTY SITE DEVELOPMENT PLAN SDP-92-11, APPROVED 10/29/97.
 - ABANDONMENT OF ON-SITE MONITORING WELLS MUST BE APPROVED BY THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO THE COMMENCEMENT OF GRADING.

LEGEND:
 TP TEST PIT LOCATION
 SB-5 BORING LOCATION

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION *[Signature]* DATE 10/23/04
 CHIEF-DIVISION & LAND DEVELOPMENT *[Signature]* DATE 10/22/04
 DIRECTOR *[Signature]* DATE 10/22/04
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 COUNTY HEALTH OFFICER *[Signature]* DATE 10/26/04
 HOWARD COUNTY HEALTH DEPARTMENT 560

NO.	DATE	REVISION DESCRIPTION
3	8/18/05	Revised Address & Added Utility #3

PROJECT: EXXON MOBIL-PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTEPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND
 TITLE: EXISTING CONDITIONS PLAN

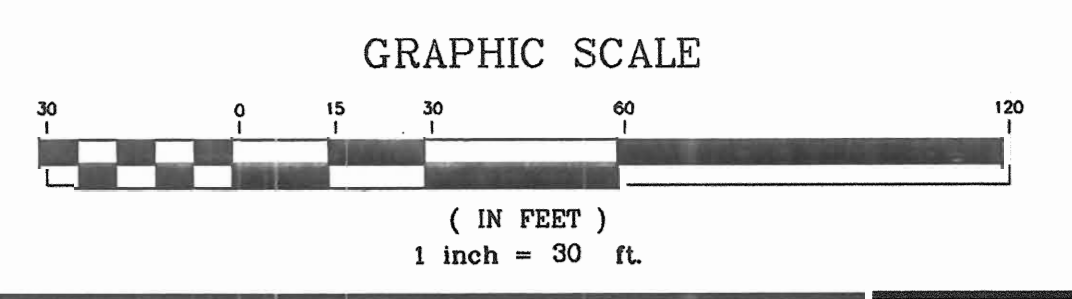
BÖHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 1110 GREENLEAFS CONCRETE SUITE 200, TOWSON, MD 21286
 (410) 821-7900 FAX: (410) 821-7987 | www.boehlereng.com
 DATE: 2/17/04
 DRAWING NO. 2 OF 17

MISS UTILITY
 BEFORE YOU DIG CALL 811
 1-800-251-7777
 PROJECT NUMBER: 1543000
 THIS DRAWING DOES NOT INCLUDE NECESSARY COMMENTS FOR CONSTRUCTION. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL RULES AND REGULATIONS THEREAFTER.
 THE CONTRACTOR SHALL HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7570 MONTEPELIER ROAD

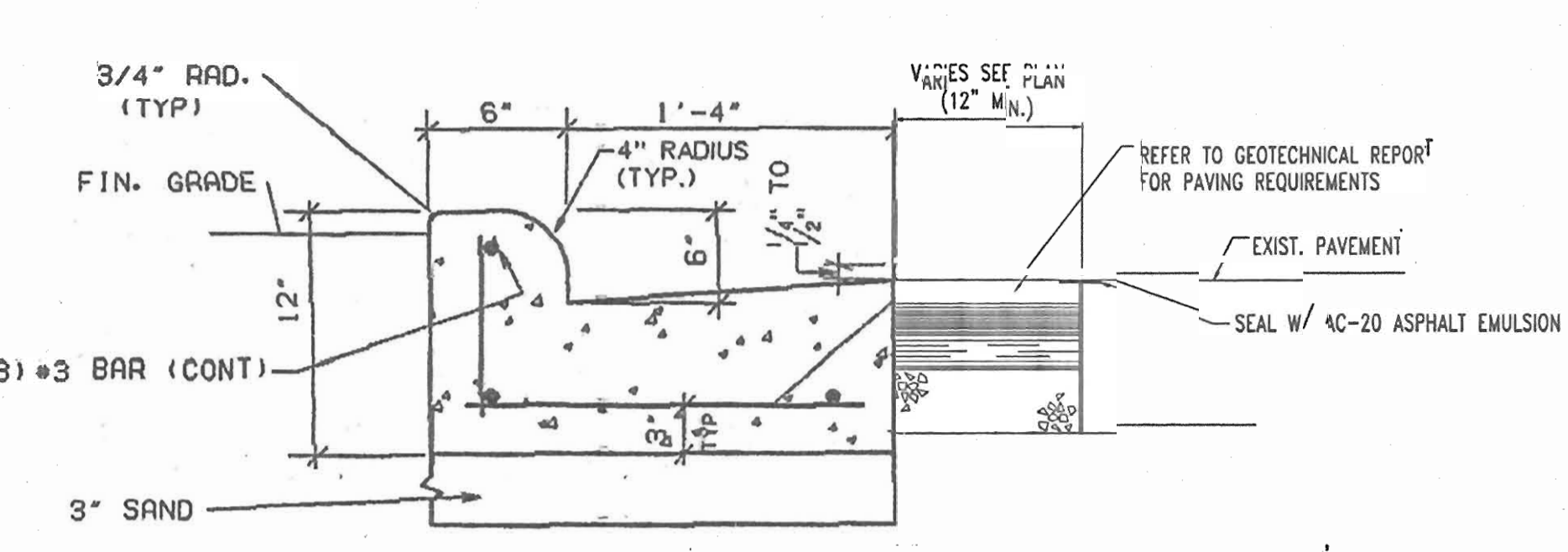
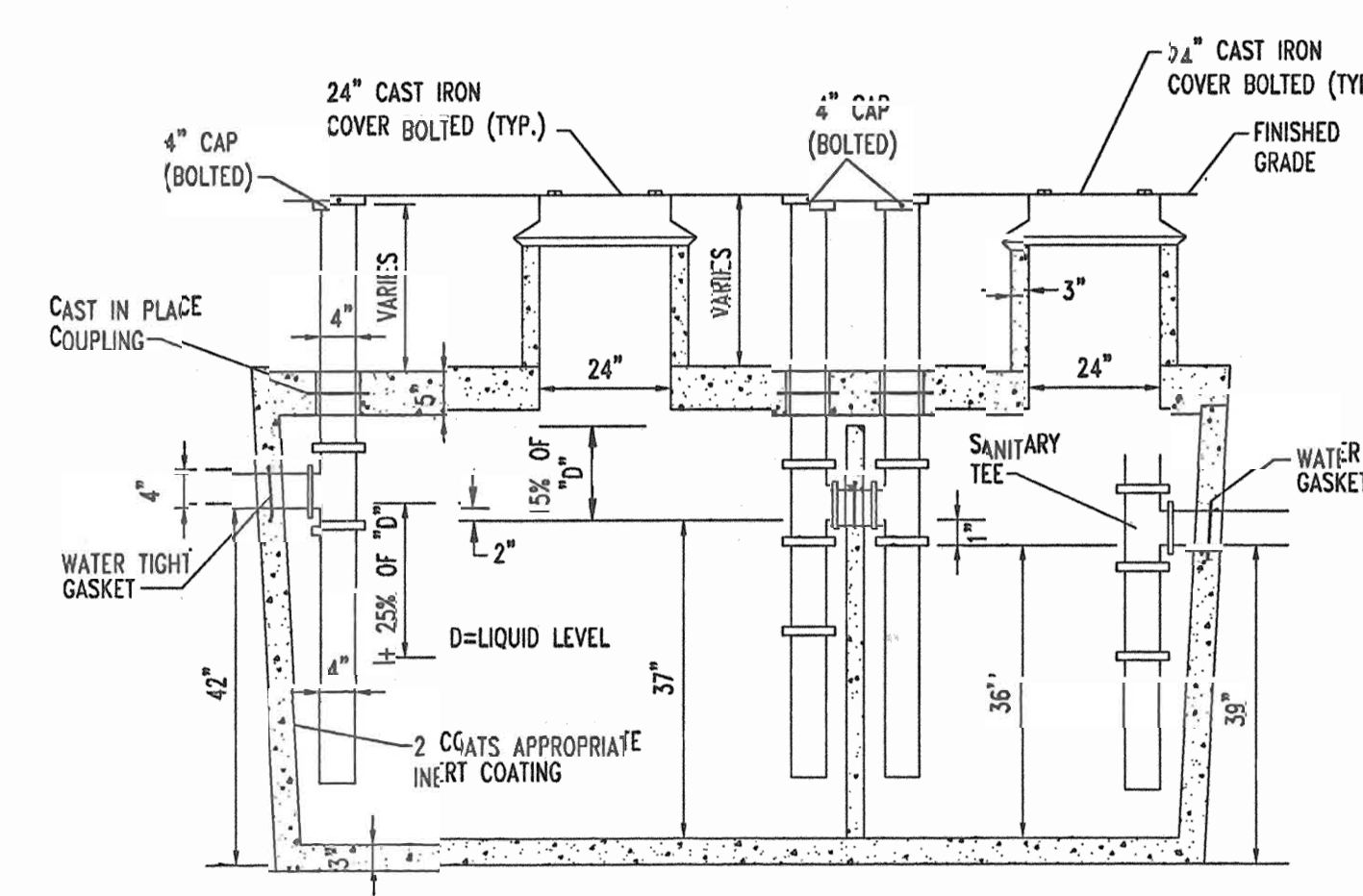
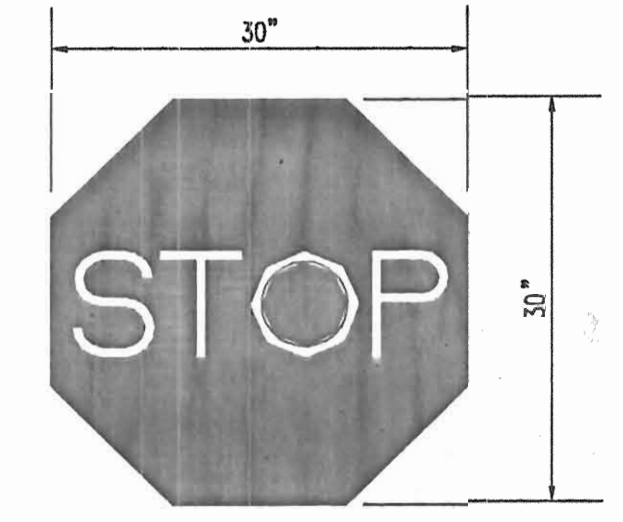
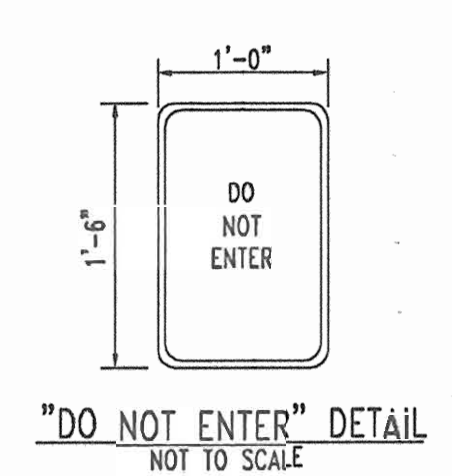
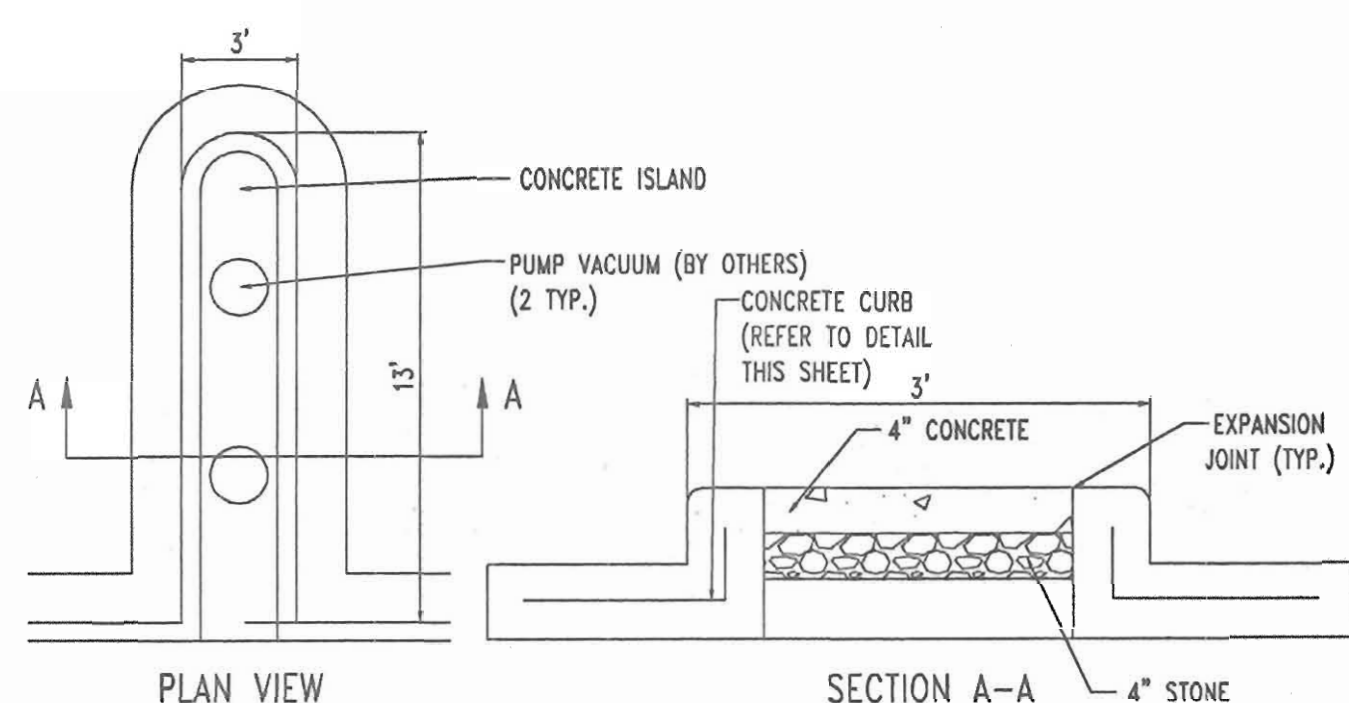
PERMIT INFORMATION CHART					
PROJECT NAME	SECTION	LOT/PARCEL NO.	TAX MAP NO.	ELECT. JURIS.	DENSUS TRAJ.
EXXON MOBIL GAS STATION	N/A	C2/124	17	5	6051.02
PLAT RECORDATION #	16832	ZONING	PEC	SEWER	6440000
WATER CODE	E21				

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.



LIMITS OF RESERVATION FOR POSSIBLE FUTURE CONVEYANCE TO STATE HIGHWAY ADMINISTRATION (VEHICULAR INGRESS AND EGRESS IS RESTRICTED)
 PLAT #14261
 ZONED PEC

Redline Revision #3
 Revision Includes Adding Contract Numbers to Ex. Water and Sewer Lines and Changed Address as shown.
 8/18/05
 For Redline Revision #3



VACUUM ISLAND DETAIL
NOT TO SCALE

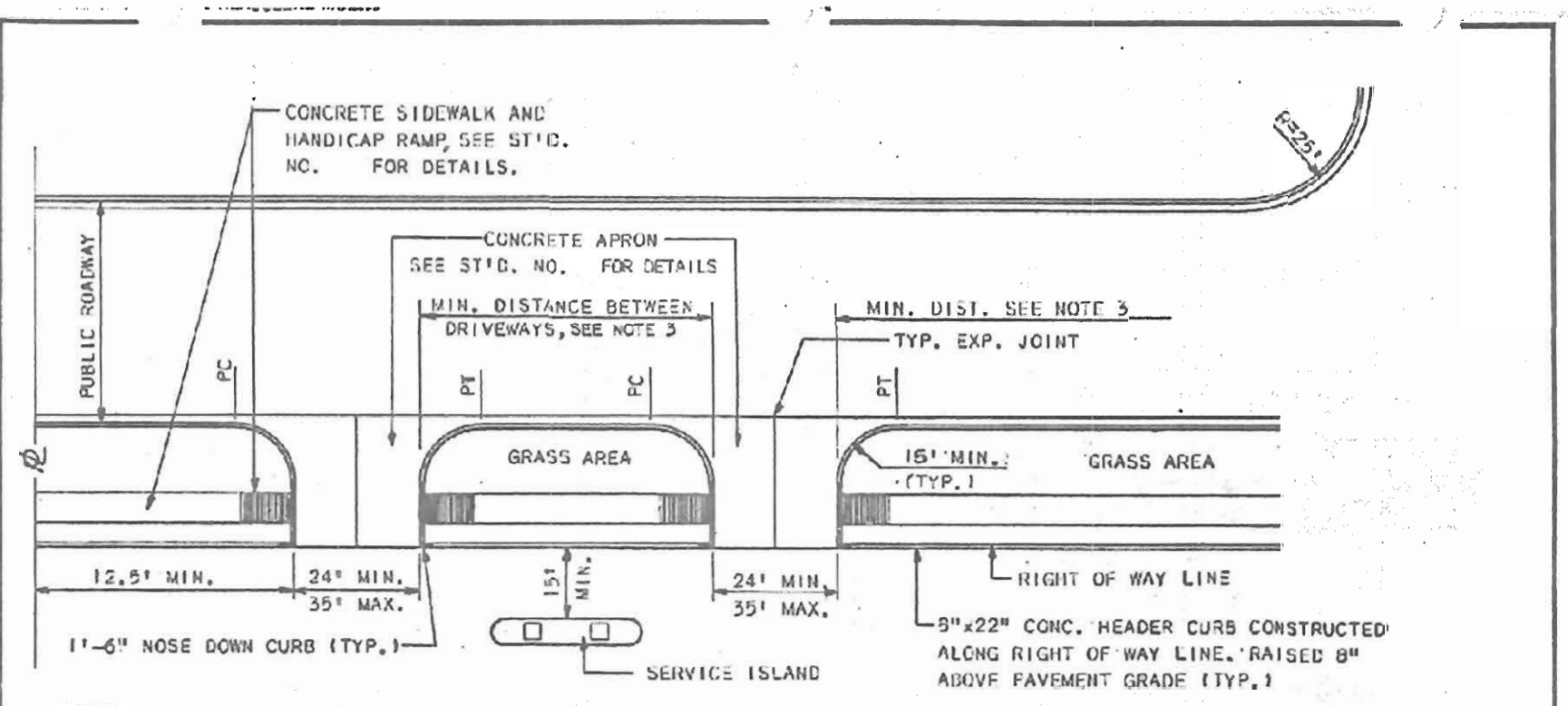
"DO NOT ENTER" DETAIL
NOT TO SCALE

HANDICAP SIGN DETAIL
NOT TO SCALE

STOP SIGN
WHITE LEGEND RED BACKGROUND (R1-1)
NOT TO SCALE

ALL INLET AND OUTLET PIPES SHALL BE INSTALLED NO MORE THAN 12" FROM THE BOTTOM OF THE GREASE TRAP.

TRANSVERSE JOINTS 3/4" WIDE SHALL BE INSTALLED IN THE CURB 20" APART AND SHALL BE FILLED WITH CELLULAR COMPRESSION MATERIAL AS SPECIFIED RECESSED 1/4" IN FROM FRONT FACE AND TOP OF CURB.



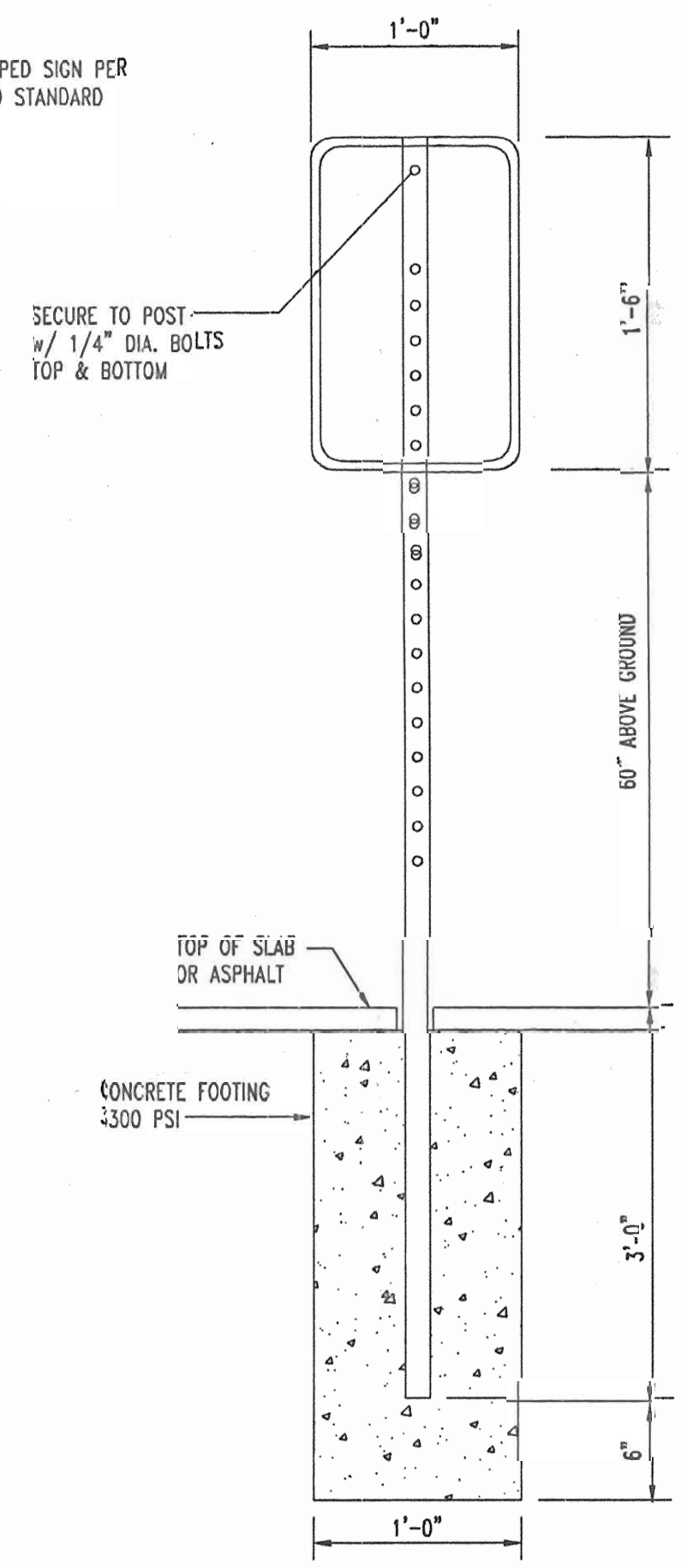
NOTES:
1. ANGLE OF INTERSECTION SHALL BE 90° UNLESS OTHERWISE APPROVED BY D.P.W.
2. AT AN INTERSECTION OF TRAFFIC WAYS, THE PUBLIC RIGHT OF WAY LINES SHALL BE TRUNCATED BY STRAIGHT LINES JOINING THE POINTS ON THE RIGHT OF WAY LINE. SEE SECTION 16-113, PARAGRAPHS OF SUB-DIVISION REGULATIONS. ALL PERMANENT SIGN AND LIGHT FIXTURES SHALL BE CONFINED WITHIN THE PROPERTY LINE.
3. SEE SECTION 2.6.4 OF THE DESIGN MANUAL FOR MINIMUM CORNER CLEARANCE AND DRIVEWAY SPACING.
4. ALTERNATE TYPE CONCRETE APRON AS SHOWN ON STIC. NO. MAY BE USED IN LIEU OF ARRANGEMENT SHOWN HEREON.

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: *[Signature]* Date: 1-12-01
Chief-Dir. of Engr.

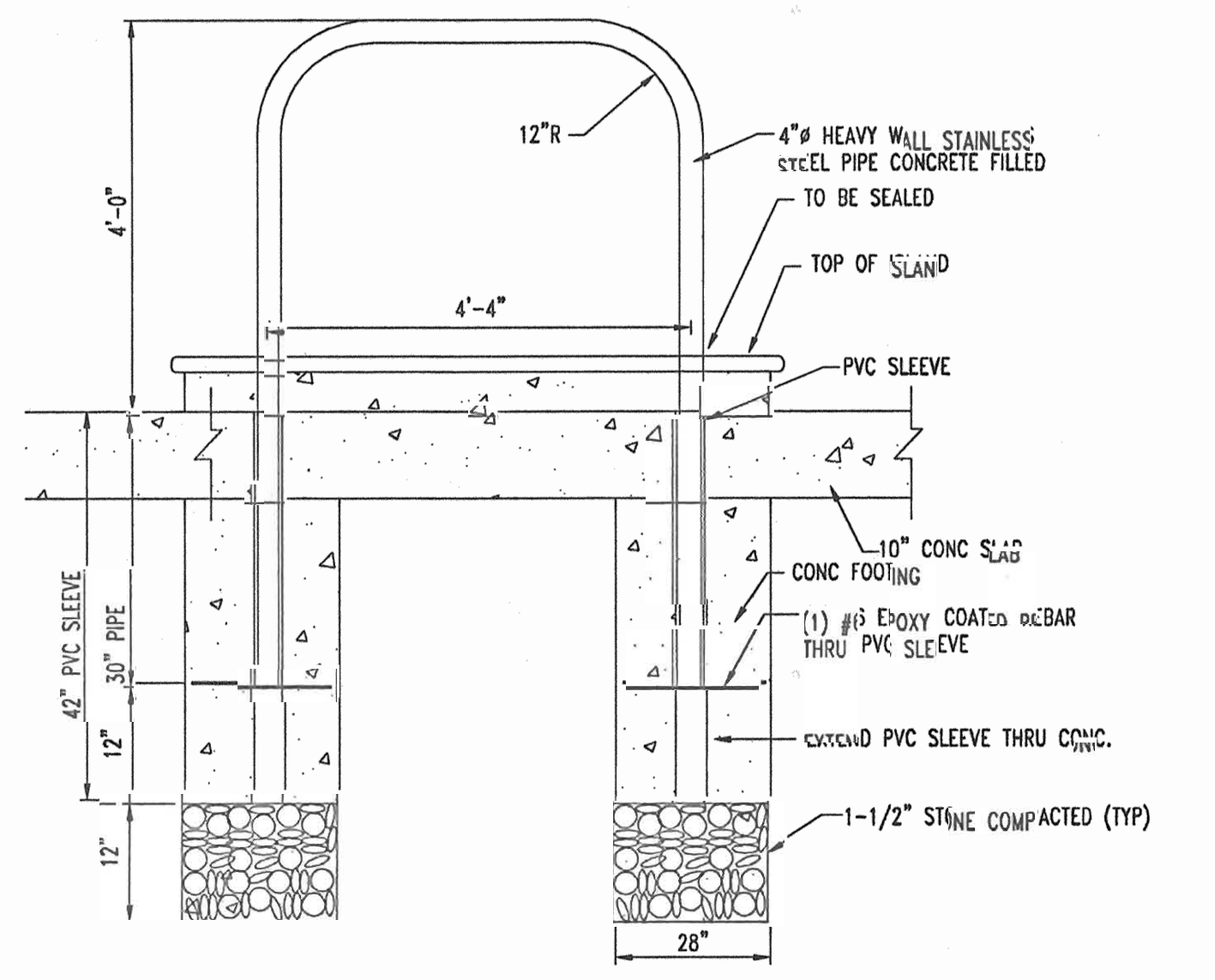
SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		FULL DEPTH BIT. CONC. ALTERNATE	GRANULAR BASE ALTERNATES
P-1	PARKING BAYS APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	1" BIT. CONC. SURFACE 4" BIT. CONC. BASE	1" BIT. CONC. SURFACE 2" BIT. CONC. BASE 4" GRADED AGGREGATE BASE (GAB)
P-2	TRAVELWAYS FOR APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	1 1/2" BIT. CONC. SURFACE 5" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 2 1/2" BIT. CONC. BASE 6" GRADED AGGREGATE BASE (GAB)
P-3	RESIDENTIAL ZONES LOCAL, CUL-DE-SAC STS. ALLEYS AND PRIVATE ROADS SERVING INDIVIDUAL LOTS	1 1/2" BIT. CONC. SURFACE 5" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 4 1/2" BIT. CONC. BASE 5" GRADED AGGREGATE BASE (GAB)
P-4	RESIDENTIAL ZONES MINOR AND MAJOR COLLECTORS COMMERCIAL-INDUSTRIAL ZONES LOCAL AND CUL-DE-SAC STREETS ALLEYS TRAVELWAYS FOR APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH MORE	1 1/2" BIT. CONC. SURFACE 3 1/2" BIT. CONC. BASE 3" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 1 1/2" BIT. CONC. BASE 5" BIT. CONC. BASE 4" GRADED AGGREGATE BASE (GAB)

PAVING SECTIONS
P-1 THROUGH P-4

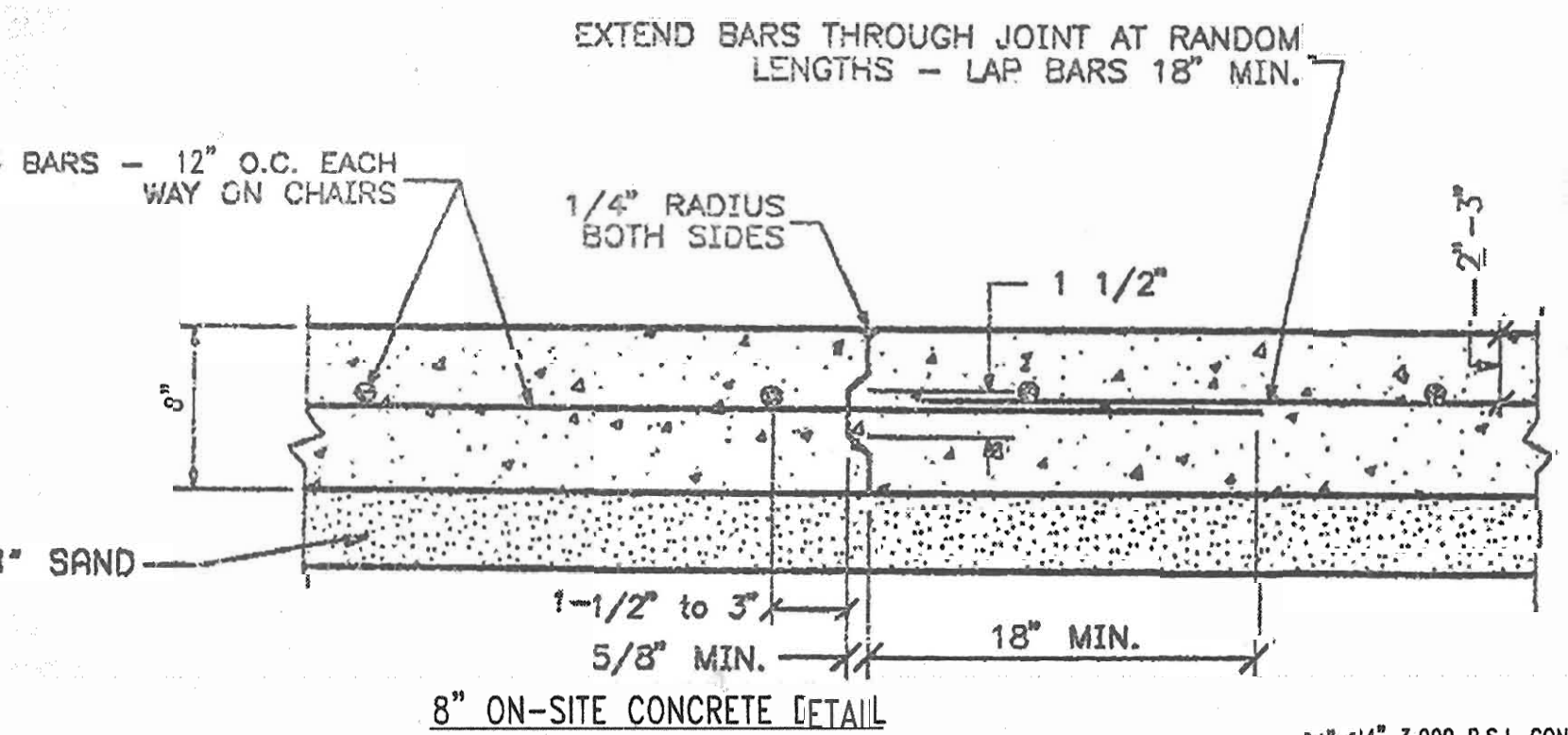
GENERAL NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS 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.



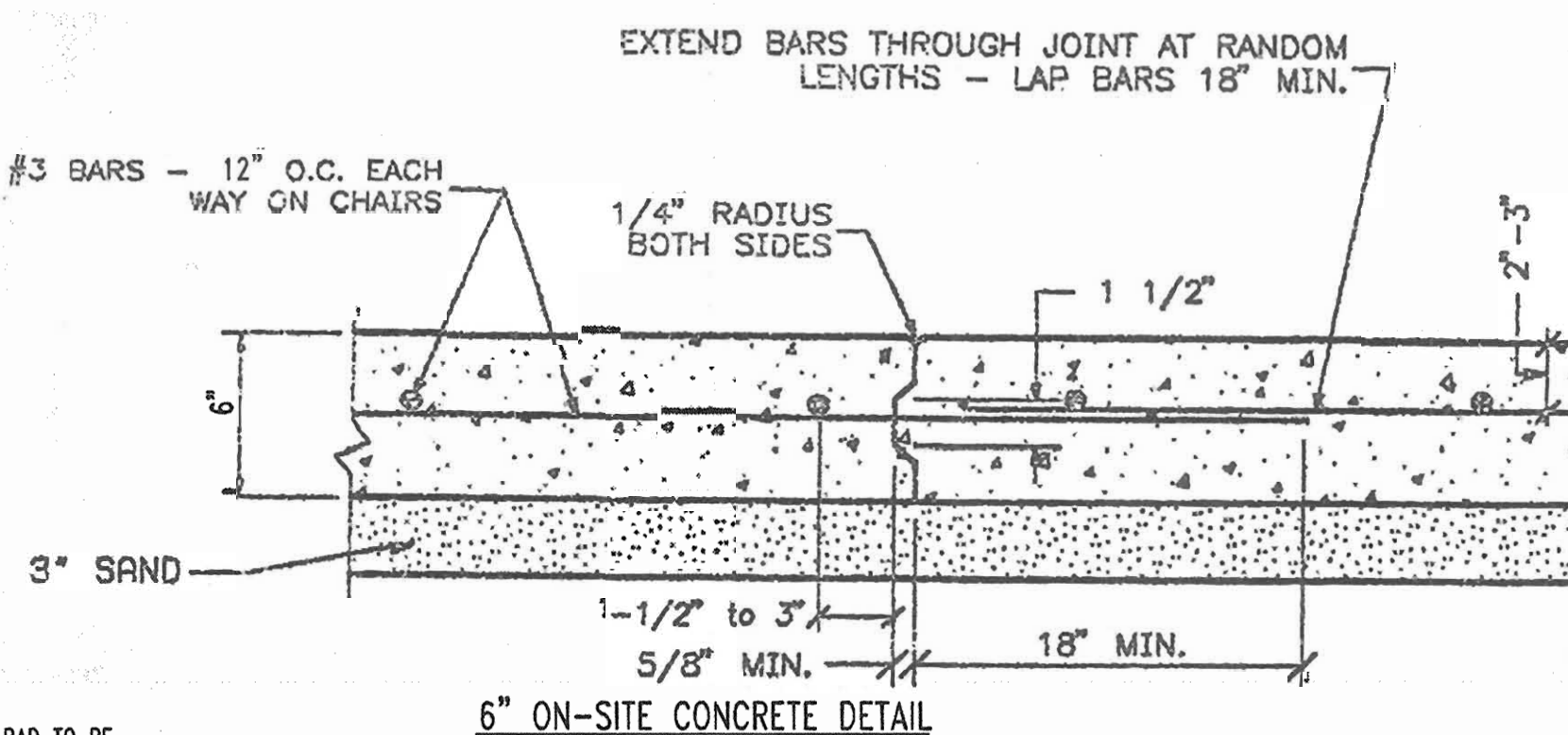
POLE MOUNTED SIGN DETAIL
FOR DIRECTIONAL SIGNS ONLY ADVERTISING IS NOT PERMITTED
NOT TO SCALE



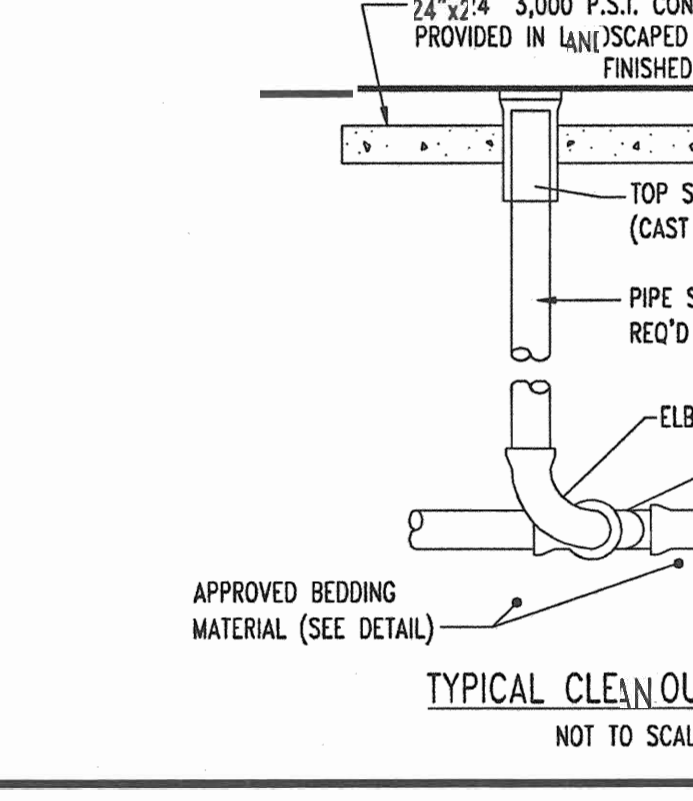
ARCHED PIPE BOLLARD DETAIL
NOT TO SCALE



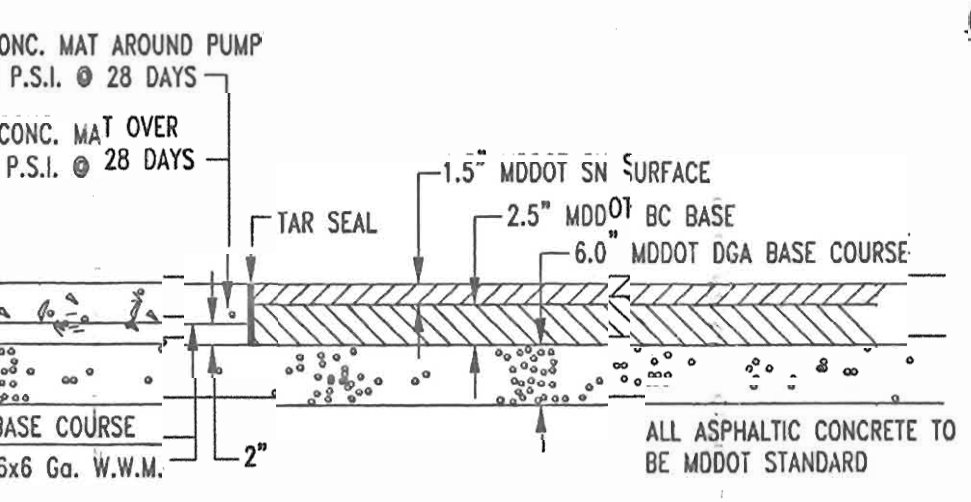
8" ON-SITE CONCRETE DETAIL
NOT TO SCALE



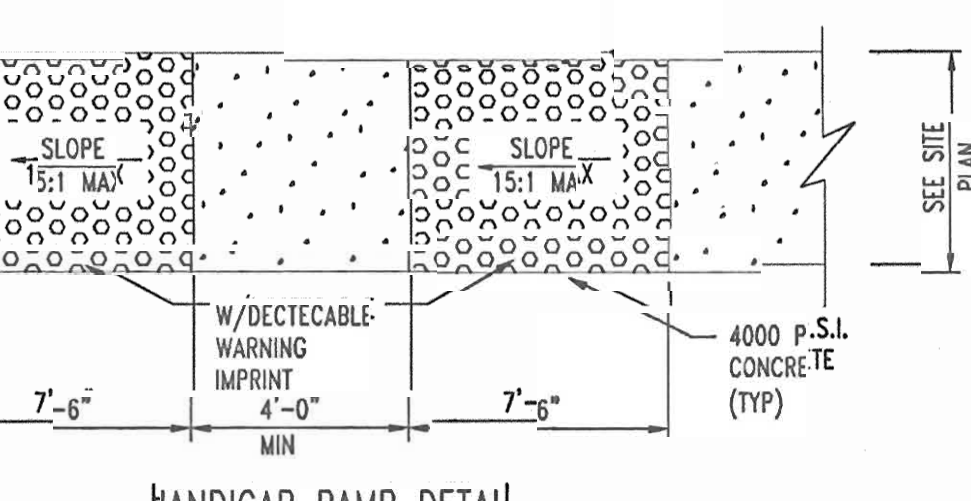
6" ON-SITE CONCRETE DETAIL
NOT TO SCALE



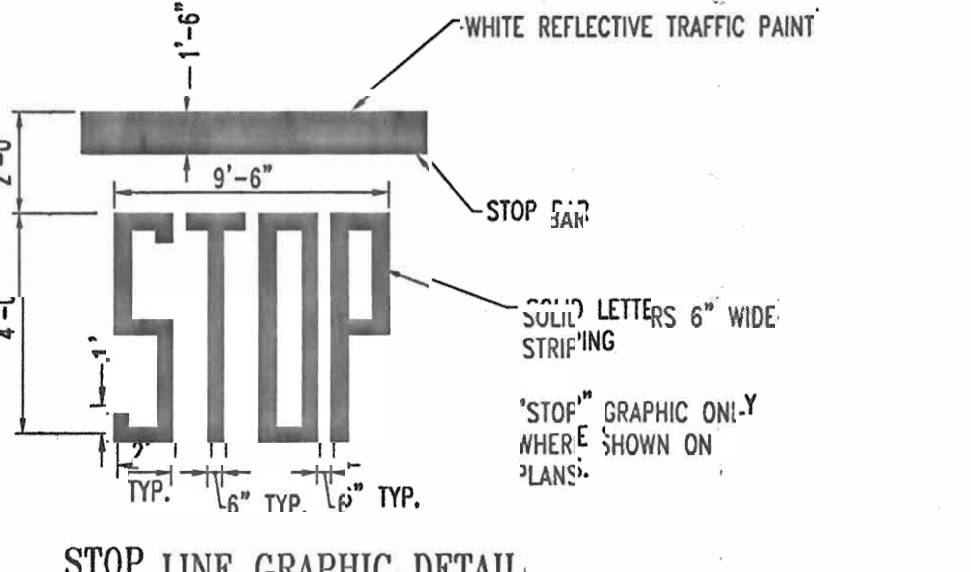
TYPICAL CLEAN-OUT DETAIL
NOT TO SCALE



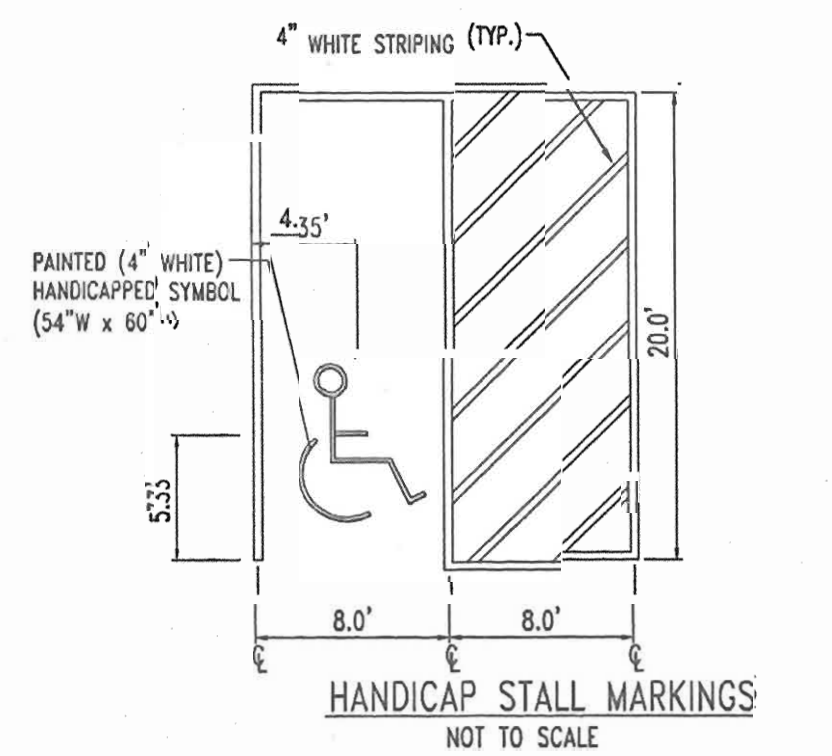
CONCRETE & ASPHALT PAVING DETAIL
NOT TO SCALE



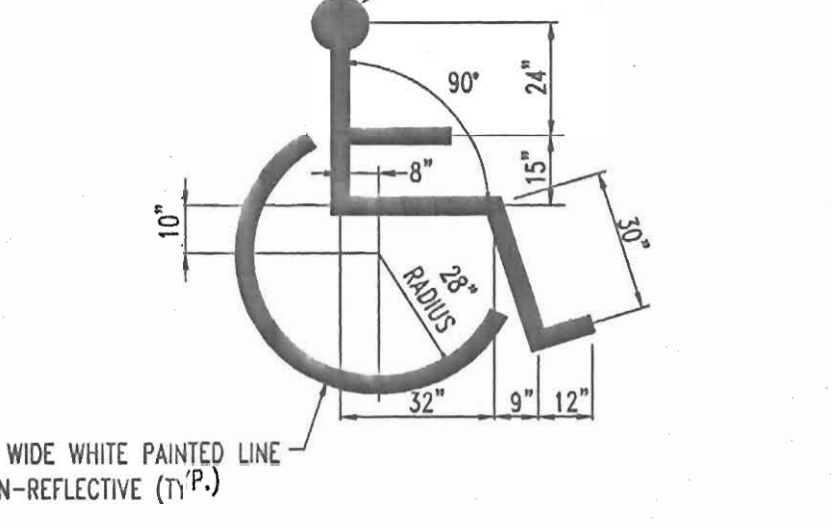
HANDICAP RAMP DETAIL
NOT TO SCALE



STOP LINE GRAPHIC DETAIL
NOT TO SCALE



HANDICAP STALL MARKINGS
NOT TO SCALE



HANDICAP SYMBOL DETAIL
NOT TO SCALE



BEFORE YOU DIG CALL
1-800-251-7777
WORKING DAY NOTICE

LOT/PARCEL #	ADDRESS CHART
C2/124	1570 2966 MONTPELIER ROAD

PERMITS INFORMATION CHART
PROJECT NAME: EXHON MOBIL GAS STATION
SECTION/AREA: N/A
LOT/PARCEL NO.: C2/124
PLAT REGISTRATION BLOCK#: 18832
ZONING: PFC
TAX MAP NO. 41
ELECT. STR: 5
CENSUS TRACT: 905102
WATER CODE: E21
R/W/EX CODE: 3440000

APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF-DEVELOPMENT ENGINEERING DIVISION
Cinda Hamstra, 10/22/01
CHIEF-DIVISION & LAND DEVELOPMENT
David Dwyer, 11/26/01

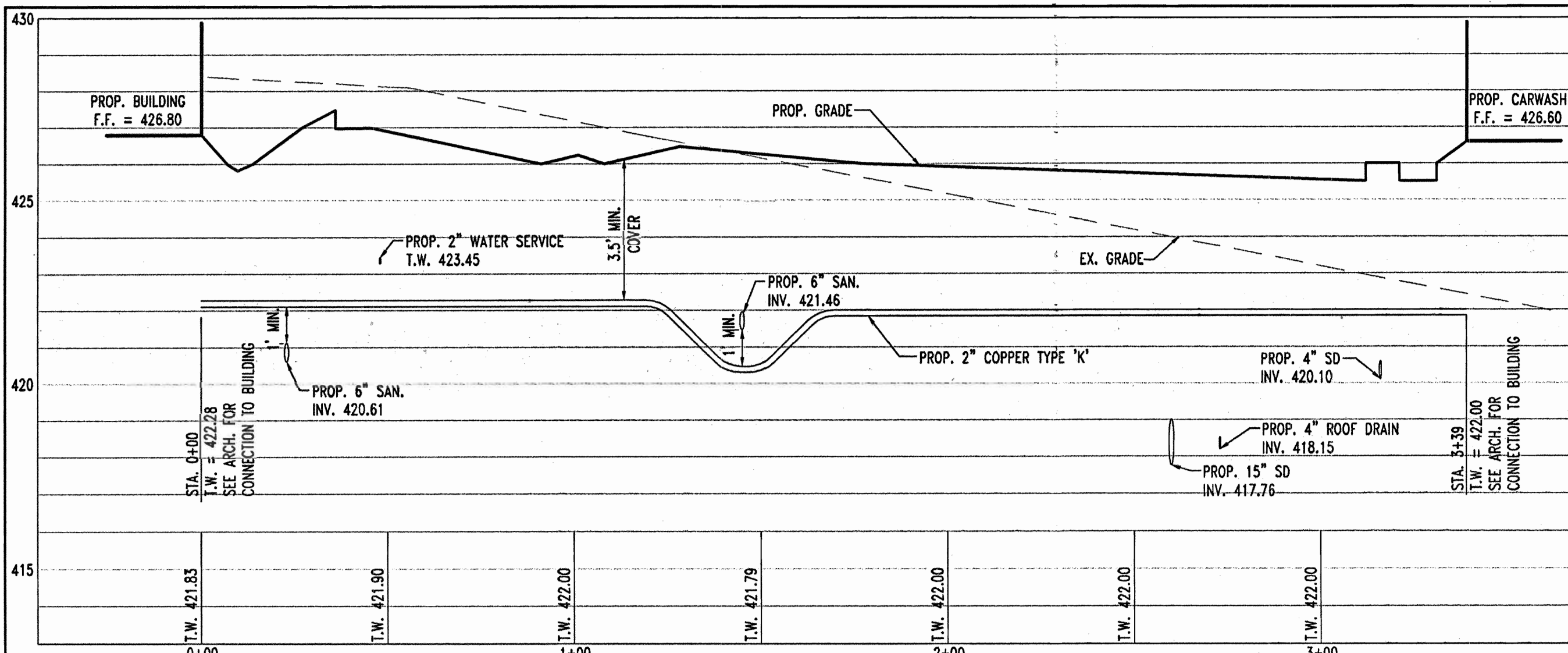
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

NO. DATE REVISION DESCRIPTION
HOPKINS ROAD LIMITED PARTNERSHIP DEVELOPER
9030 RED BRANCH ROAD EXHON MOBIL CORPORATION
SUITE 200 C/O TRAMMEL CROW COMPANY
COLUMBIA, MD 21045-2055 3225 GALLOWAY ROAD, ROOM 5W218
FAIRFAX, VA 22037

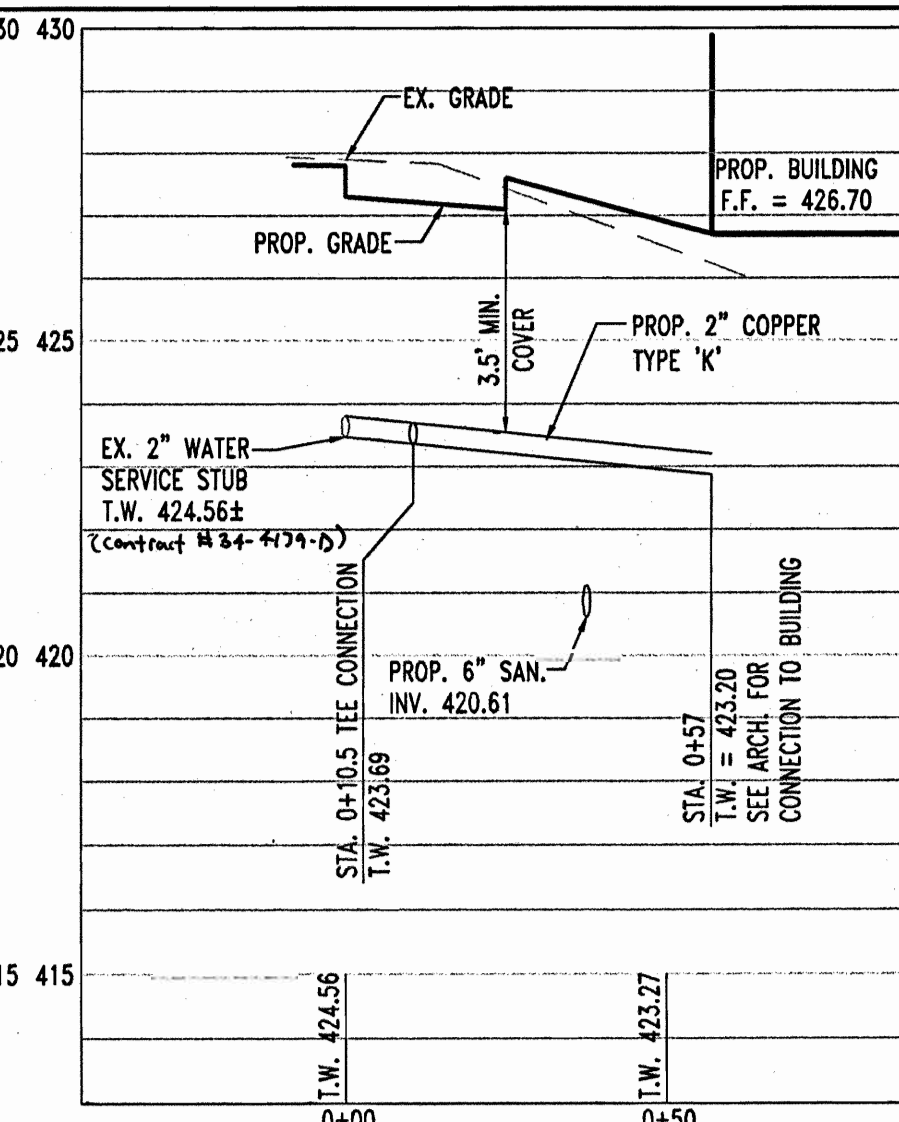
PROJECT: EXHON MOBIL PROPOSED EXHON GAS STATION
AREA TAX MAP: 41 BLOCK 17 ZONED: PFC
MONTPELIER RESEARCH PARK PARCEL 124
ELECTION DISTRICT 5
HOWARD COUNTY, MARYLAND.

BOHLER ENGINEERING, P.C.
PROFESSIONAL ENGINEERING SERVICES
#110 GLENAGLES COURT, SUITE 300, TOWSON, MD 21286
(410) 251-7800 FAX: (410) 251-7992 | www.bohlereng.com

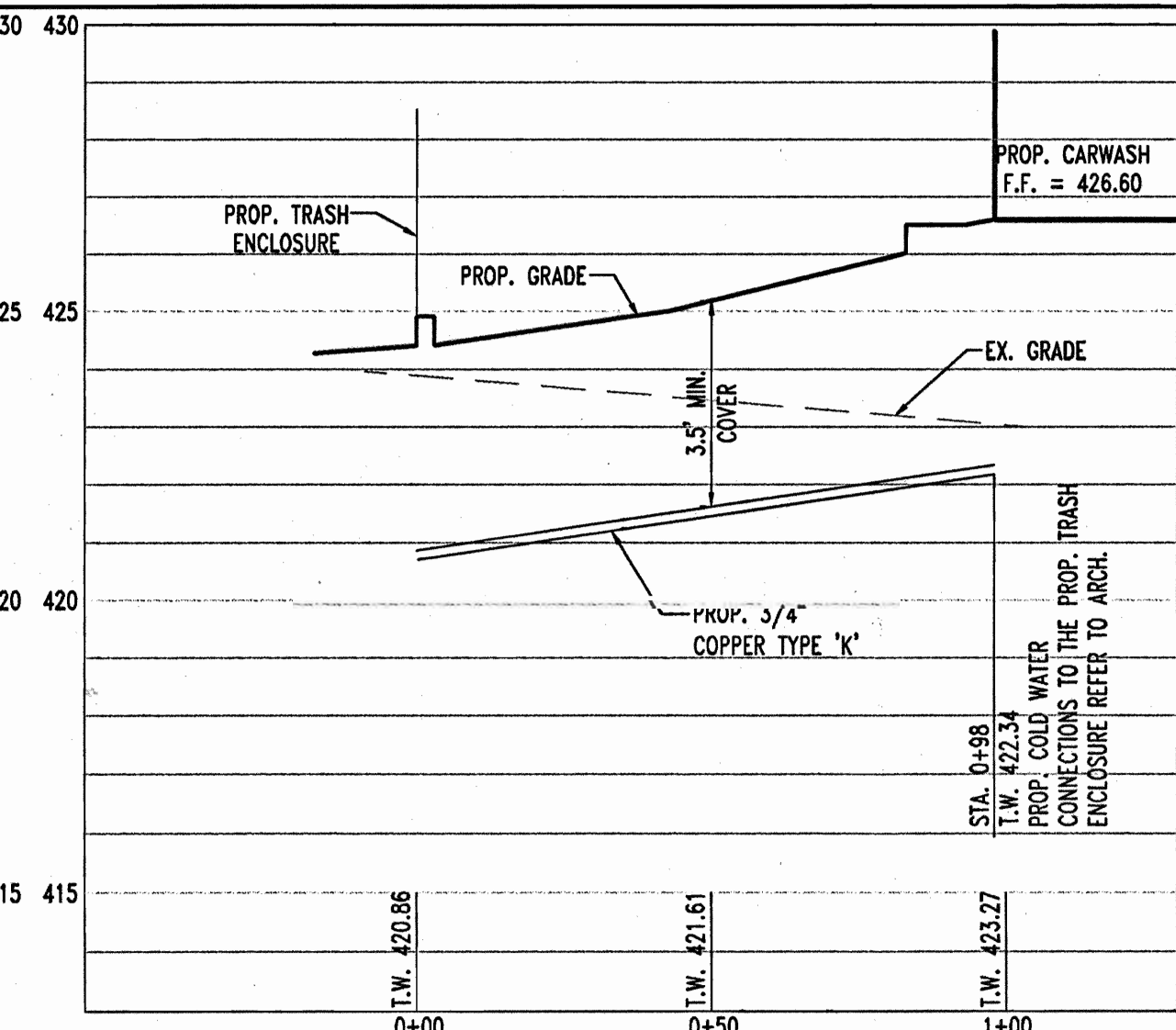
DESIGNED BY: J.J.U.
DRAWN BY: R.L.B.
PROJECT NO.: M034006
DATE: 2/17/04
SCALE:
DRAWING NO. 6 OF 17



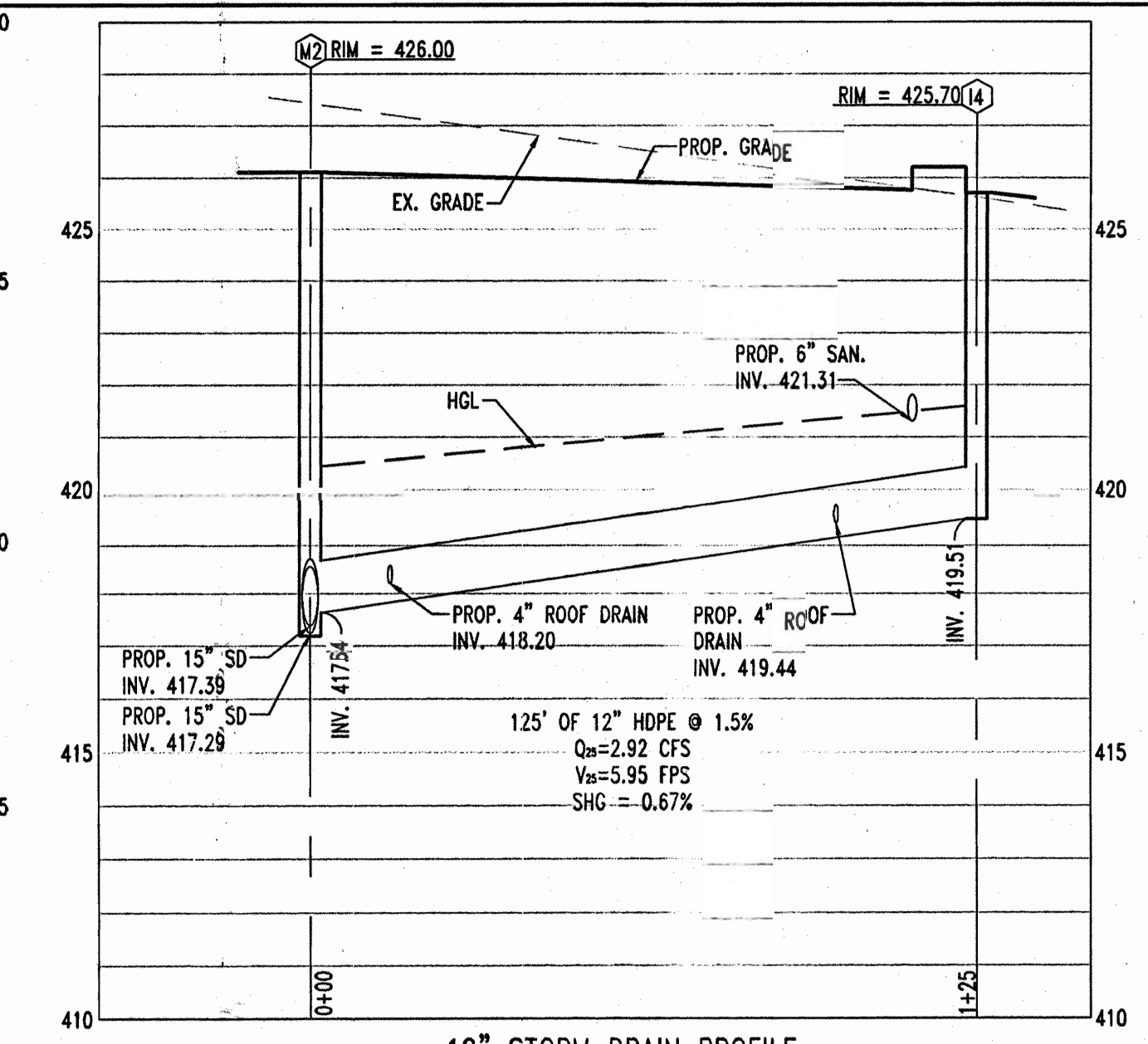
2" WATER SERVICE PROFILE
SCALE: HORIZ.-1"=30'
VERT.-1"=3'



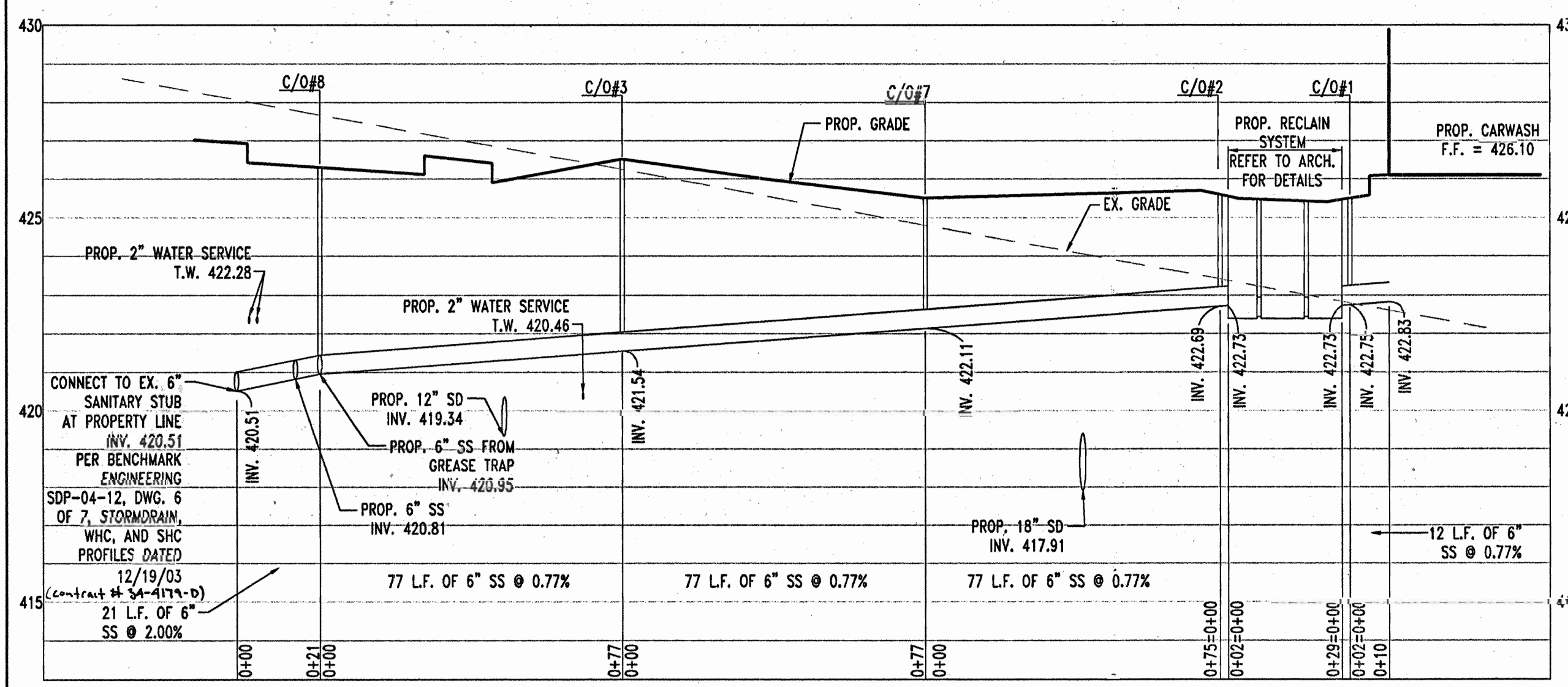
2" WATER SERVICE PROFILE
SCALE: HORIZ.-1"=30'
VERT.-1"=3'



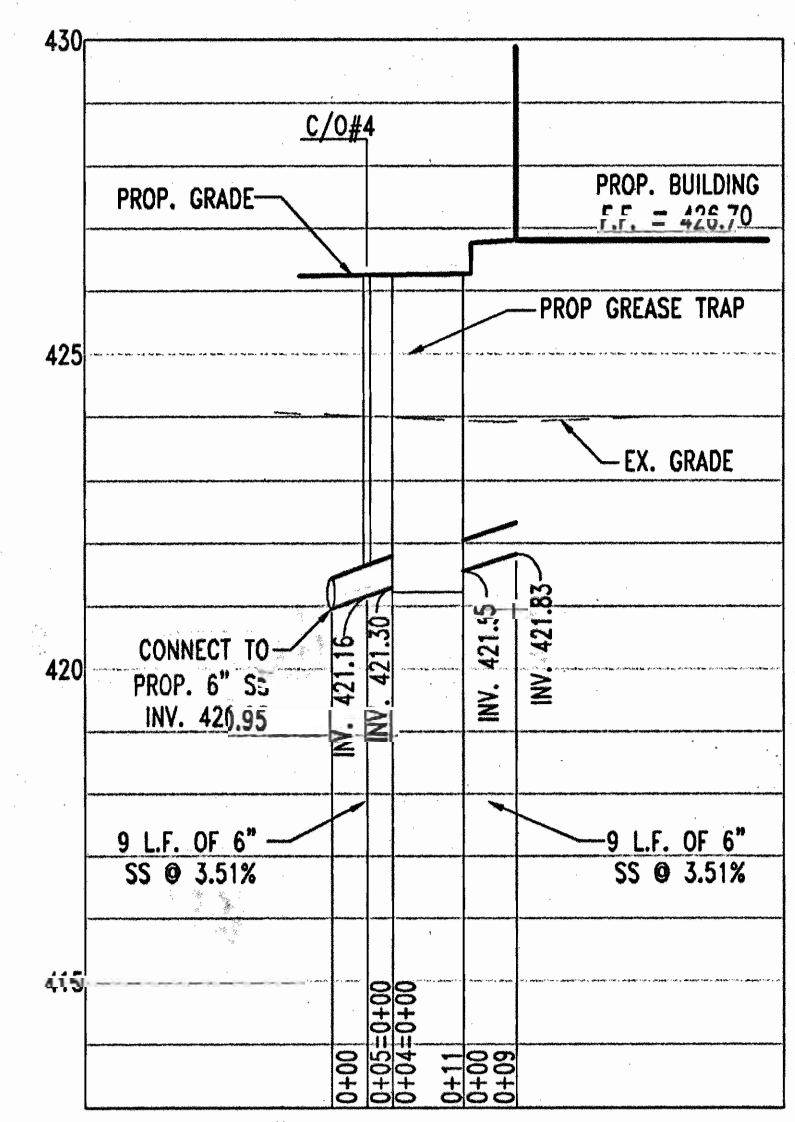
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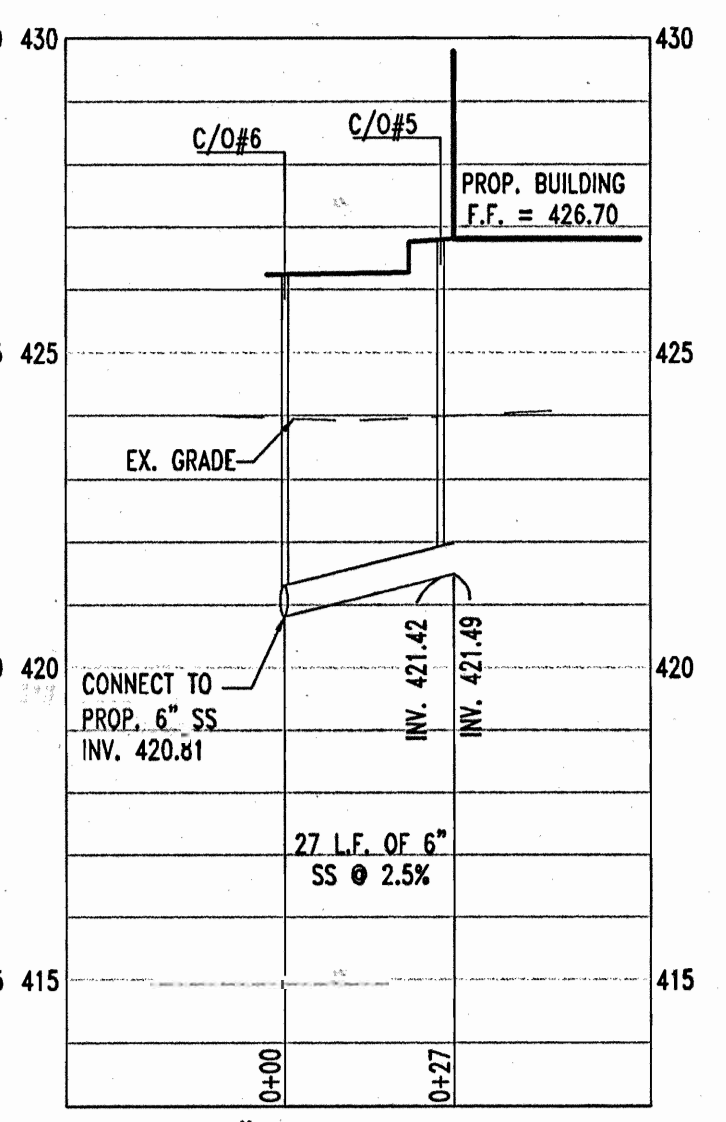
12" STORM DRAIN PROFILE
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VERT.-1"=3'



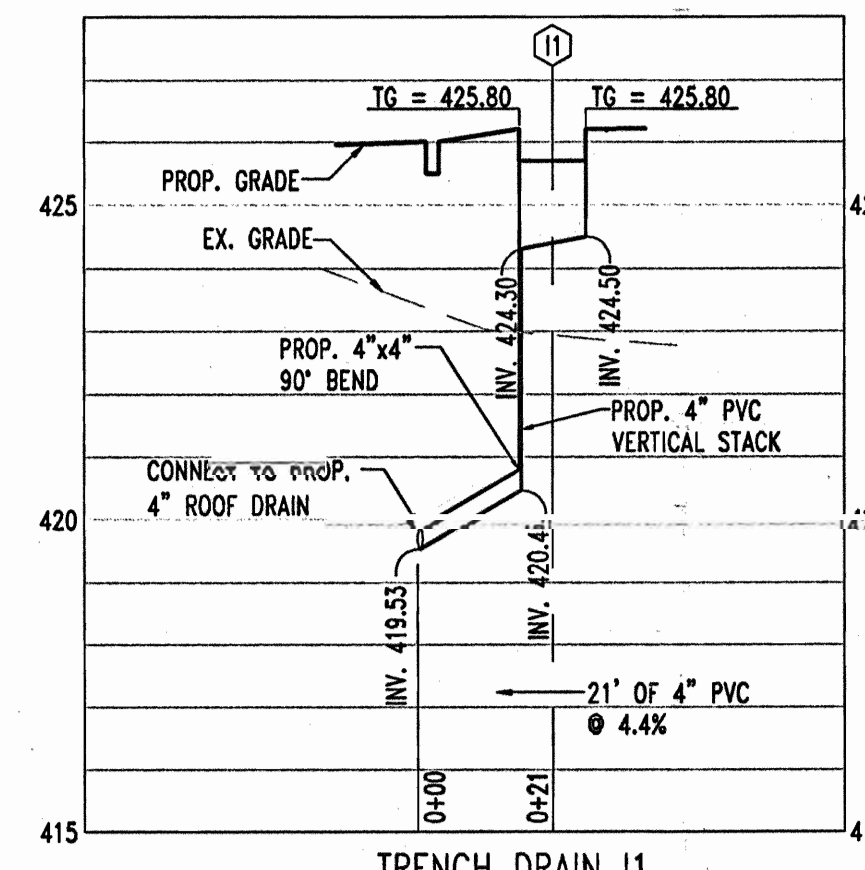
6" SANITARY PROFILE
SCALE: HORIZ.-1"=30'
VERT.-1"=3'



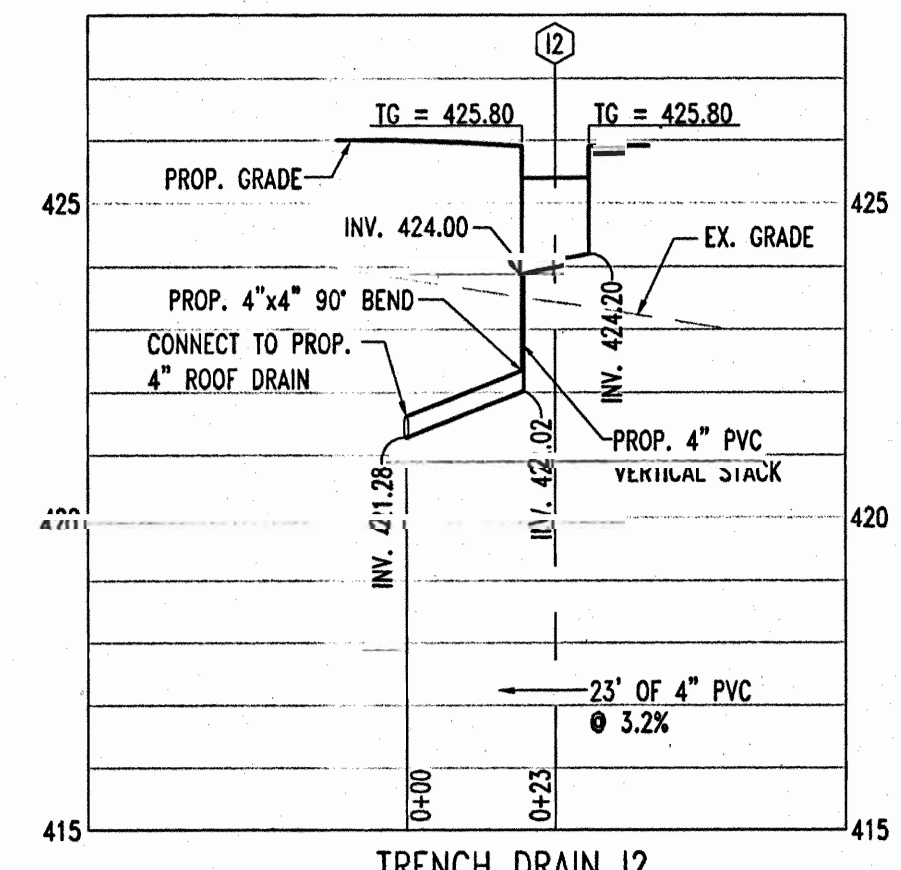
6" GREASE TRAP PROFILE
SCALE: HORIZ.-1"=30'
VERT.-1"=3'



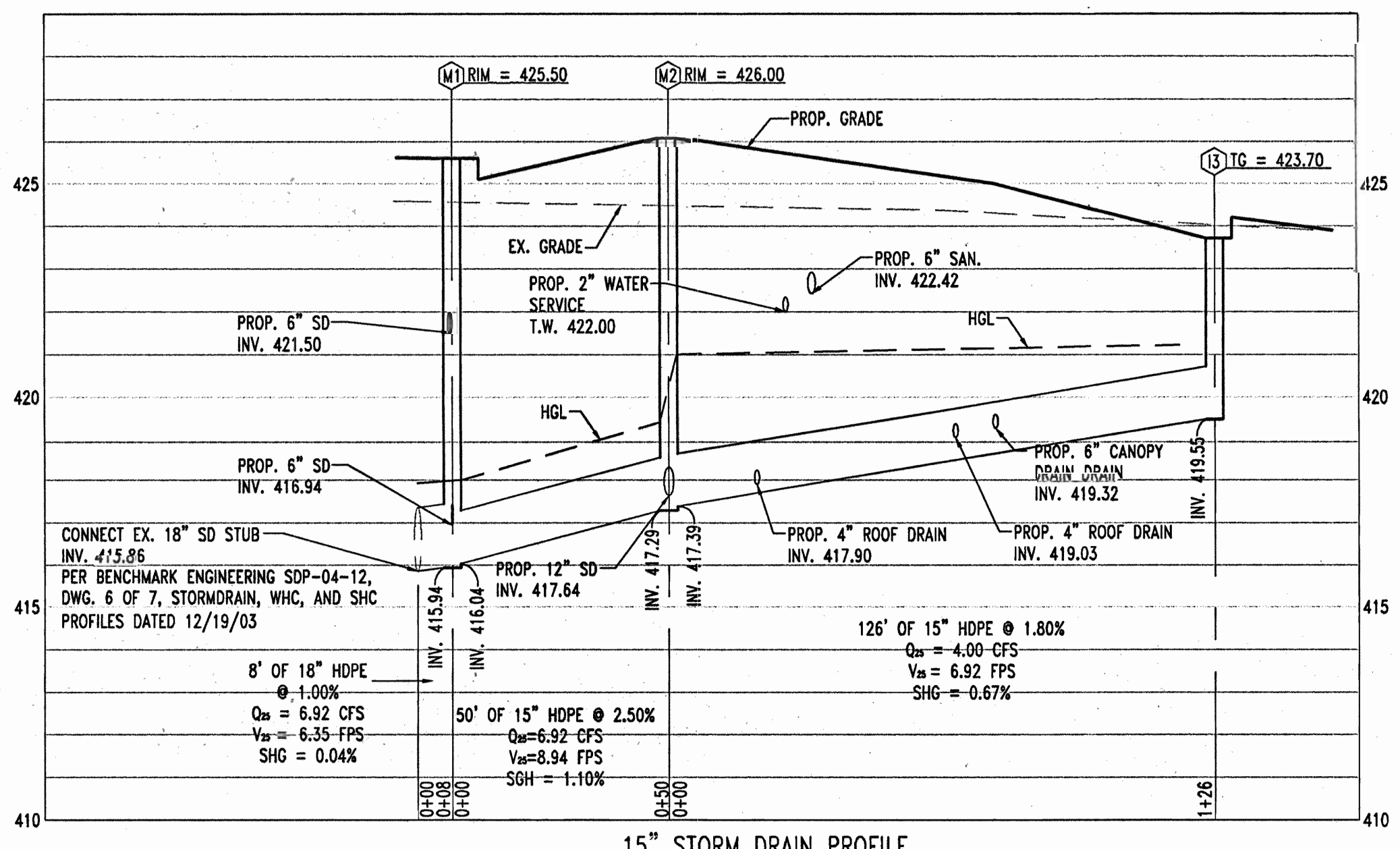
6" SANITARY PROFILE
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VERT.-1"=3'



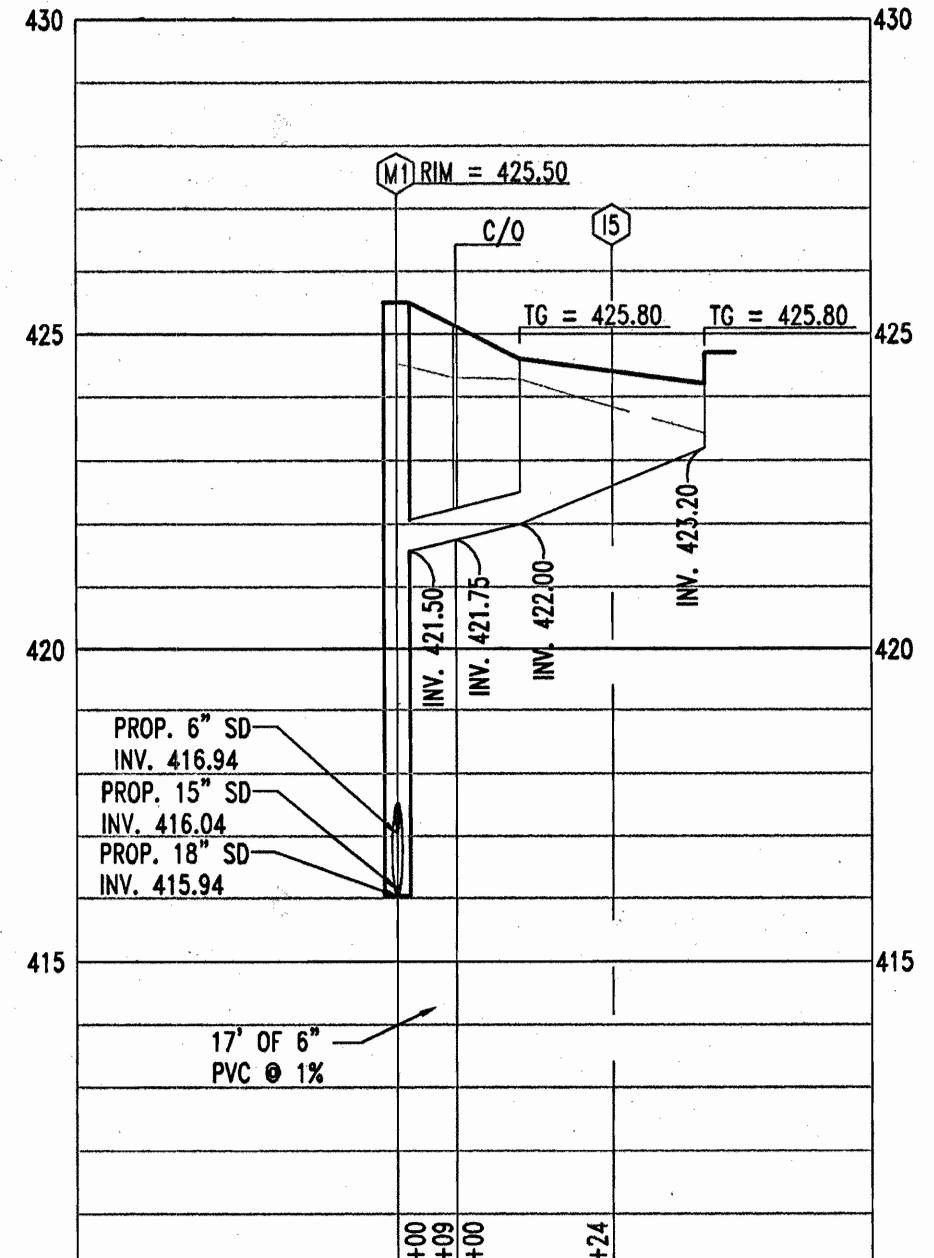
TRENCH DRAIN 11
SCALE: HORIZ.-1"=30'
VERT.-1"=3'



TRENCH DRAIN 12
SCALE: HORIZ.-1"=30'
VERT.-1"=3'



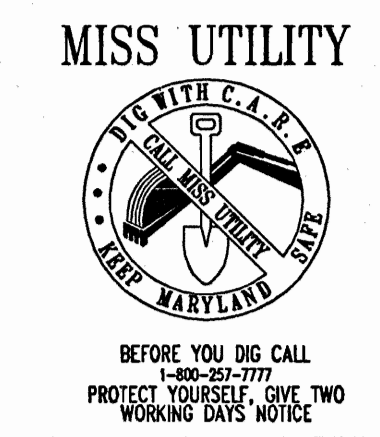
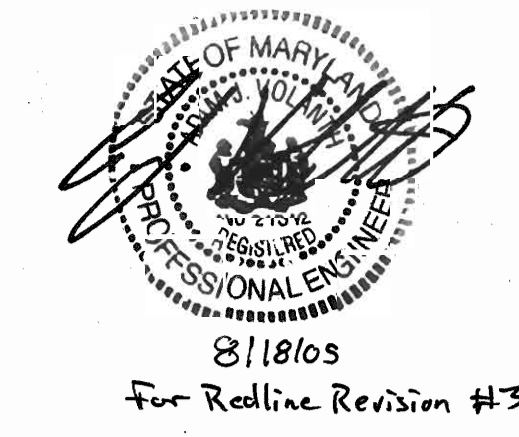
15" STORM DRAIN PROFILE
SCALE: HORIZ.-1"=30'
VERT.-1"=3'



TRENCH DRAIN 15
SCALE: HORIZ.-1"=30'
VERT.-1"=3'

GENERAL NOTE:
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Redline Revision #3
Revision Includes Adding Contract Numbers to Ex. Water & Sewer Lines and Changed Address as shown.



ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2800 MONTEPELLER ROAD

PERMIT INFORMATION CHART		
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	C2/124
PLAT RECORDATION BLOCK#	ZONING	TAX MAP NO.
16832	17	41
WATER CODE	SEWER CODE	CENSUS TRACT
E21	6440000	6051.02

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/23/04
 CHIEF ENGINEER
[Signature] 10/23/04
 CHIEF ENGINEER & CIVIL DEVELOPMENT
[Signature] 10/23/04
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/23/04
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
5	8/18/05	Revised Address & Changed Utility Cont. #'s

OWNER: HOPKINS ROAD LIMITED PARTNERSHIP
 9030 RED BRANCH ROAD SUITE 200
 COLUMBIA, MD 21045-2055

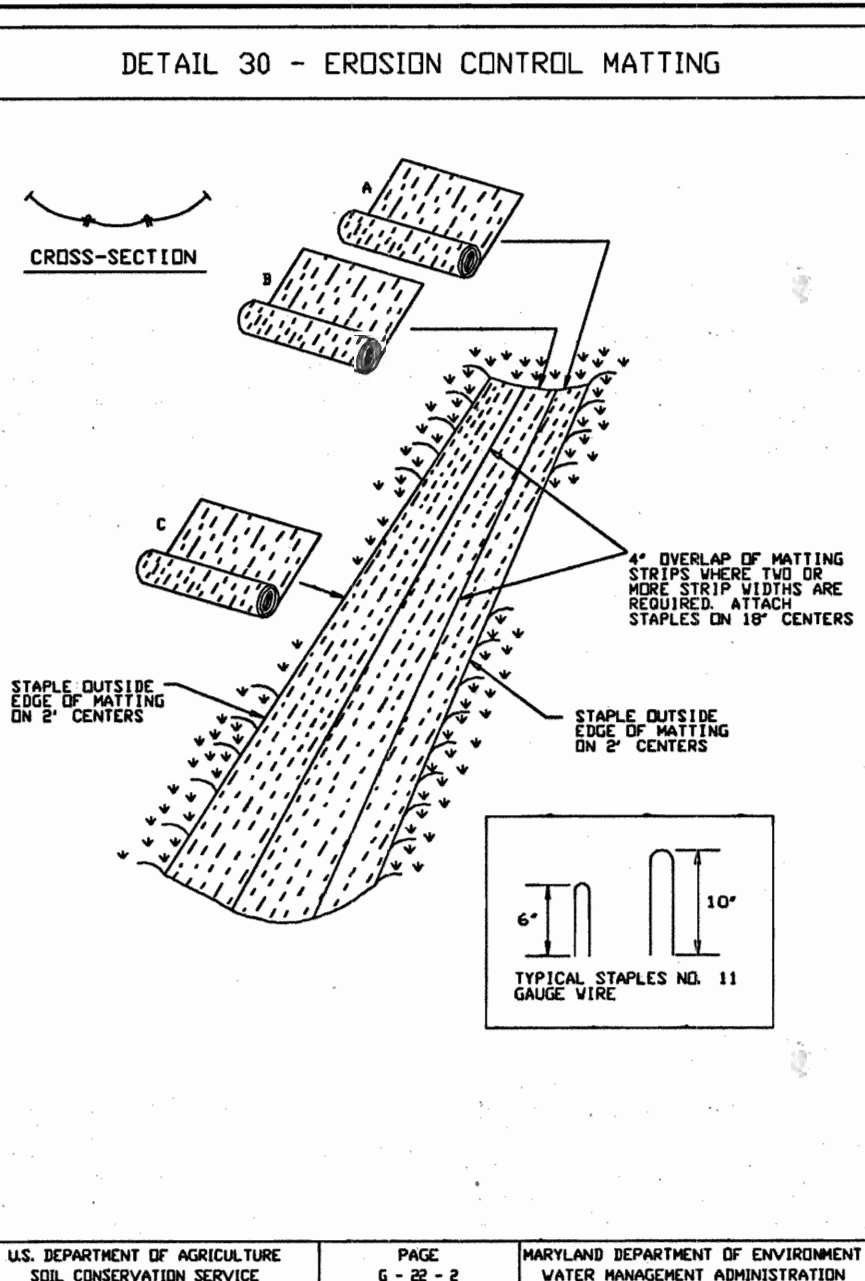
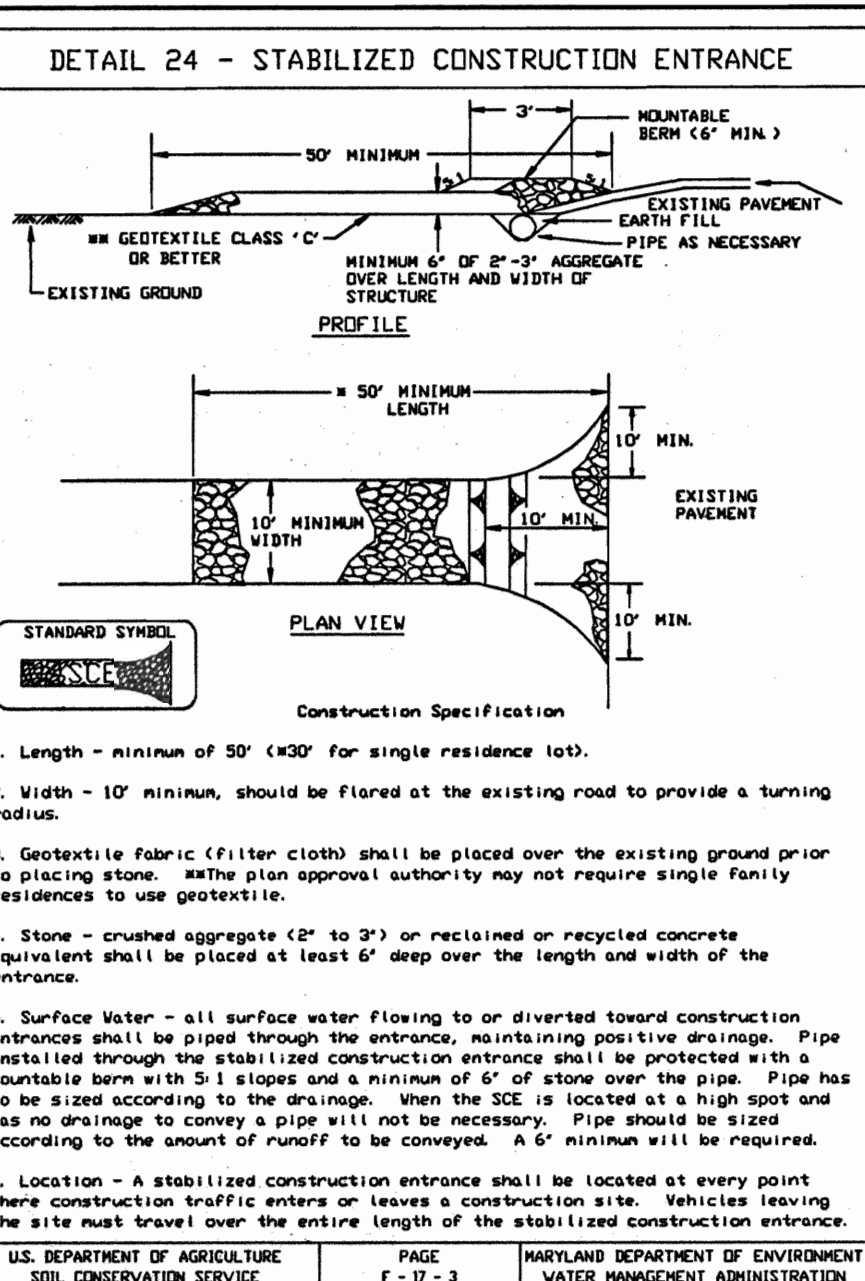
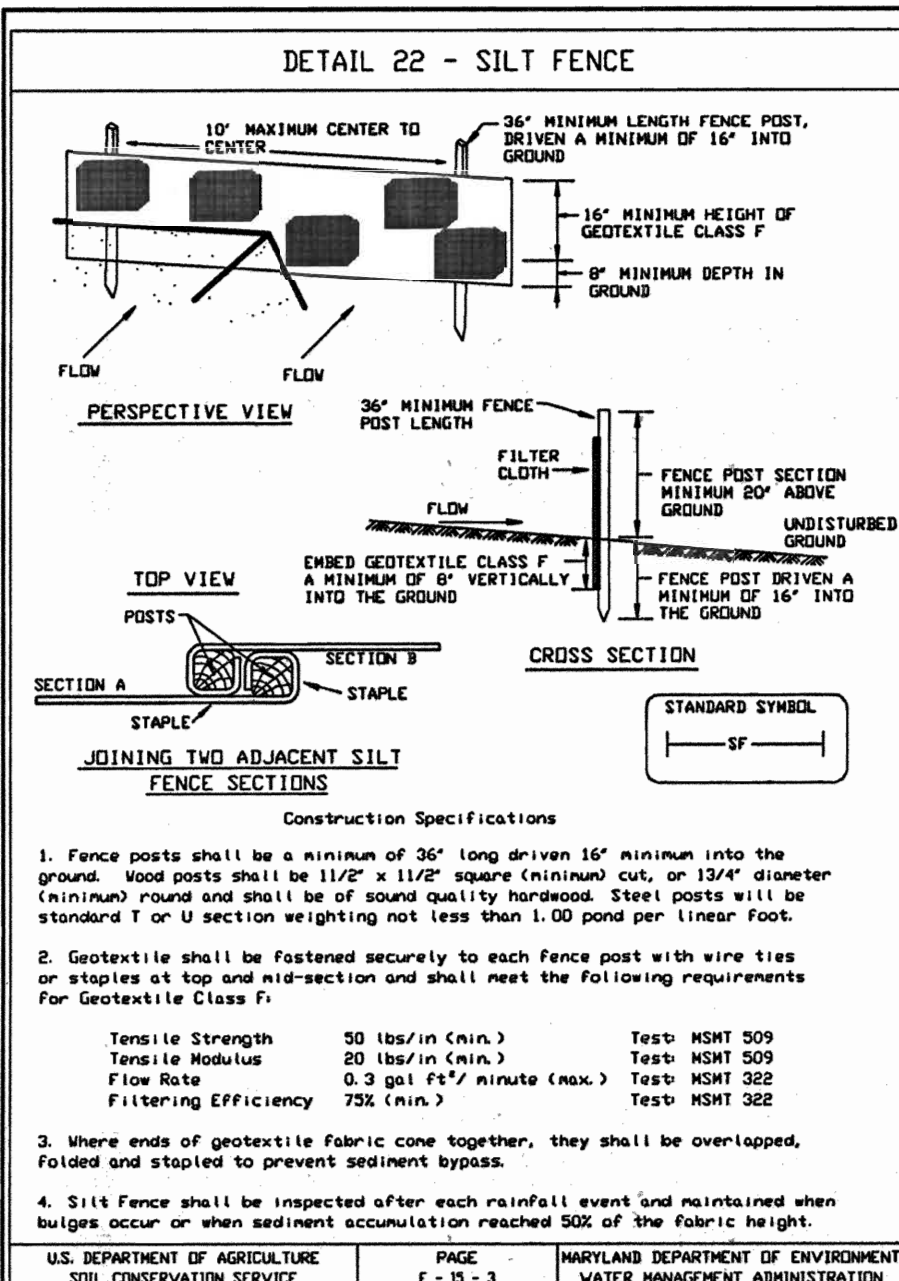
DEVELOPER: EXXON MOBIL CORPORATION
 C/O TRAMEL CROW COMPANY
 3225 GALLOWAY ROAD, ROOM 5W218
 FAIRFAX, VA 22037

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTEPELLER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND

TITLE: UTILITY PROFILES

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 4910 GLENMARGES COURT, SUITE 300, TOWSON, MD 21286
 (410) 821-7600 FAX: (410) 821-7887 | www.bohlereng.com

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: WD034006
 DATE: 2/17/04
 SCALE: 1"=30'
 DRAWING NO. 8 OF 17



SILT FENCE

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 5:1	unlimited	unlimited
5:1 to 10:1	125 feet	1,000 feet
10:1 to 1:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and sandy soils USDA general classification soil, Class A or B maximum slope length and silt fence length will be unlimited. In these areas a silt fence will be the only perimeter control required.

STABILIZED CONSTRUCTION ENTRANCE

Construction Specification

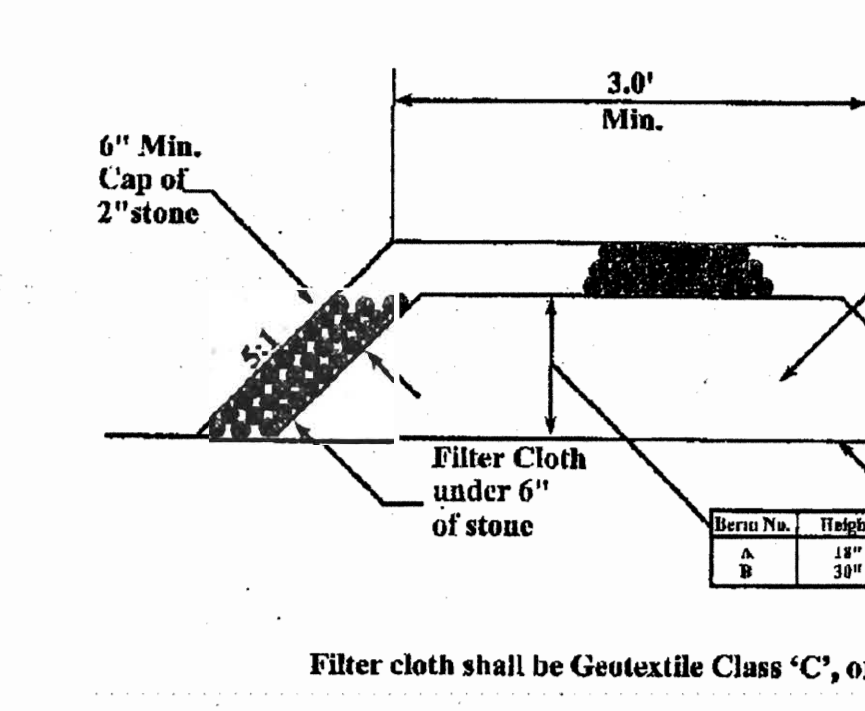
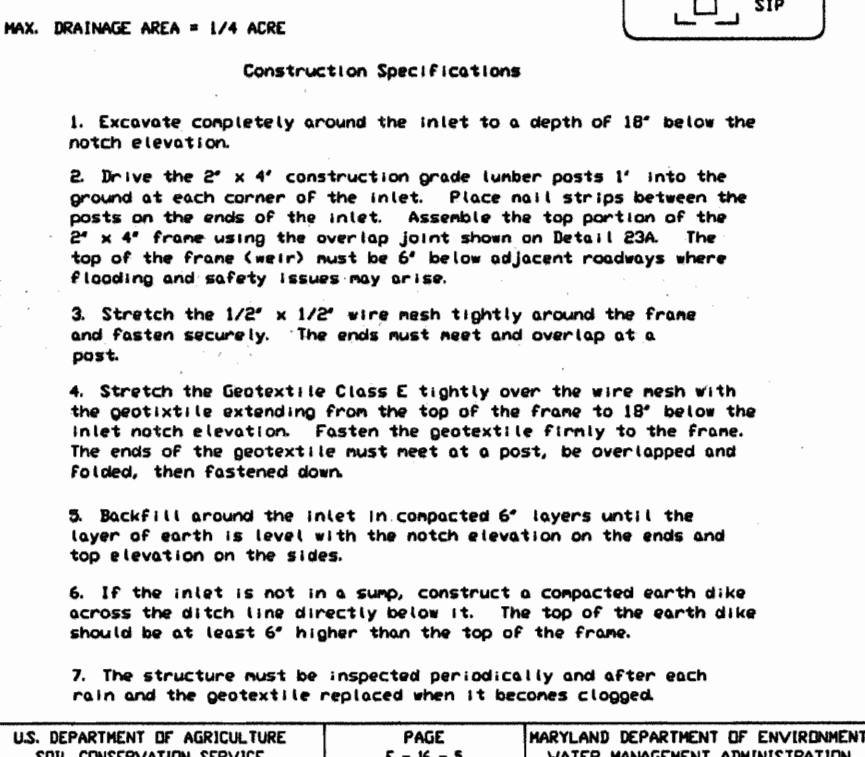
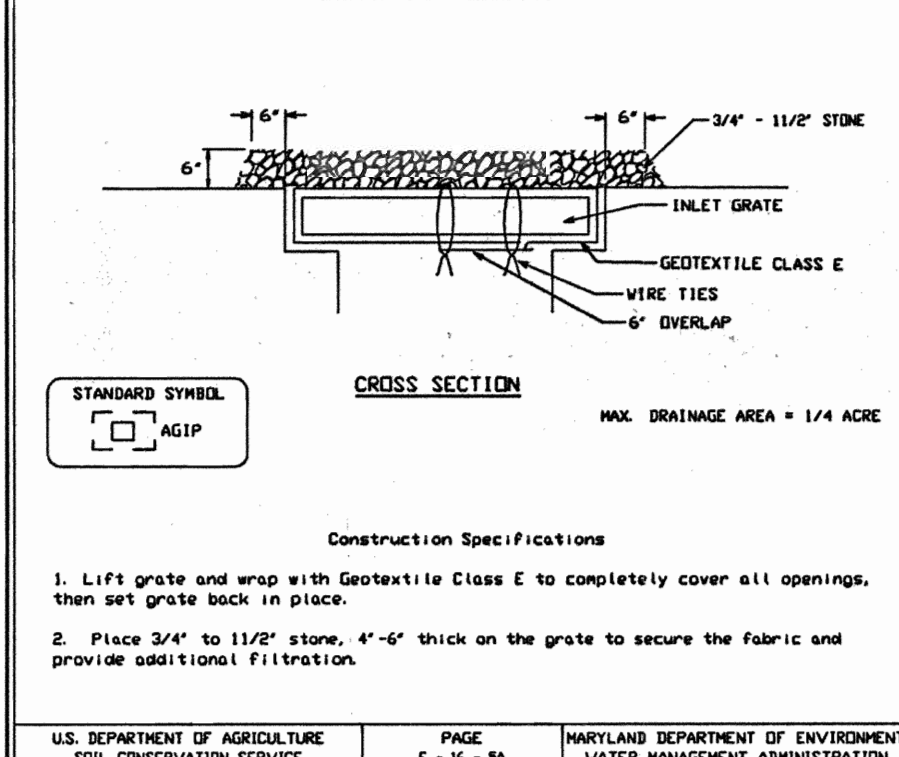
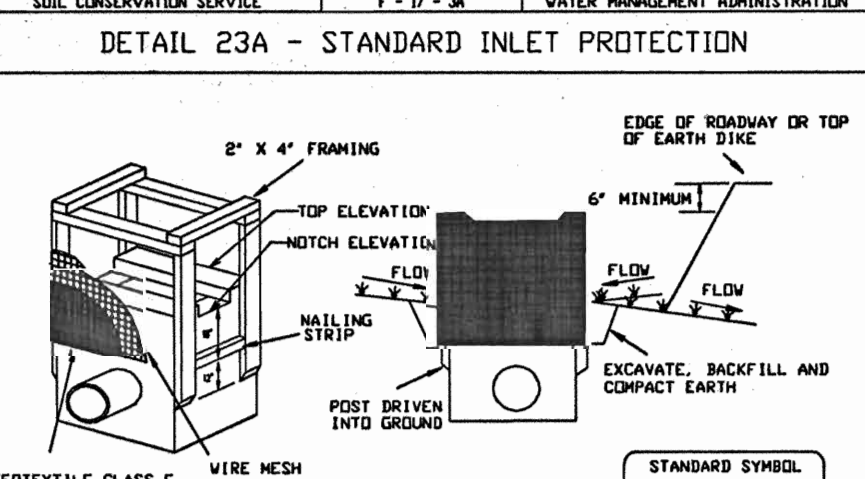
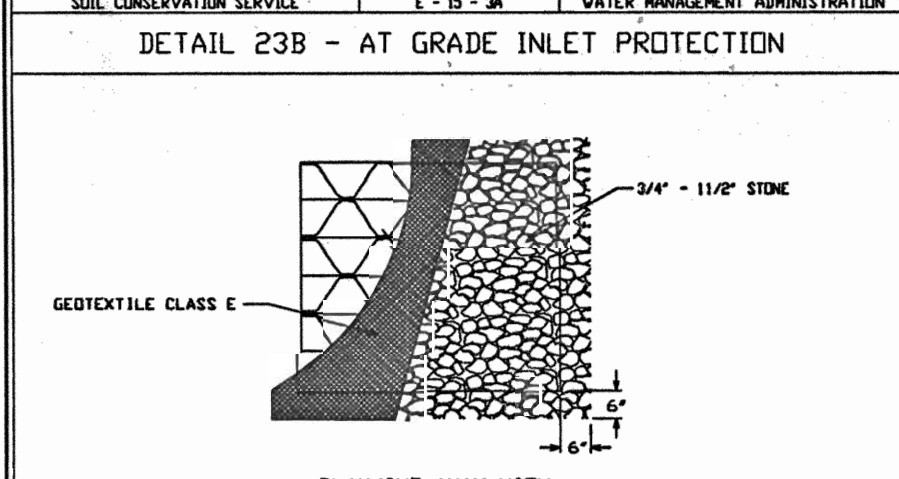
- Length - minimum of 50' (x20' for single residence lot).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. *The plan approval authority may not require single family residences to use geotextile.
- Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mounded berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage, then the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
- Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

EROSION CONTROL MATTING

Construction Specifications

- Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and tape firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".
- Staple the 4" overlap in the channel center using an 18" spacing between staples.
- Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
- Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
- Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", shingle fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
- The discharge end of the matting liner should be similarly secured with 2 double rows of staples.

Note: If flow will enter from the edge of the matting then the area affected by the flow must be keyed-in.

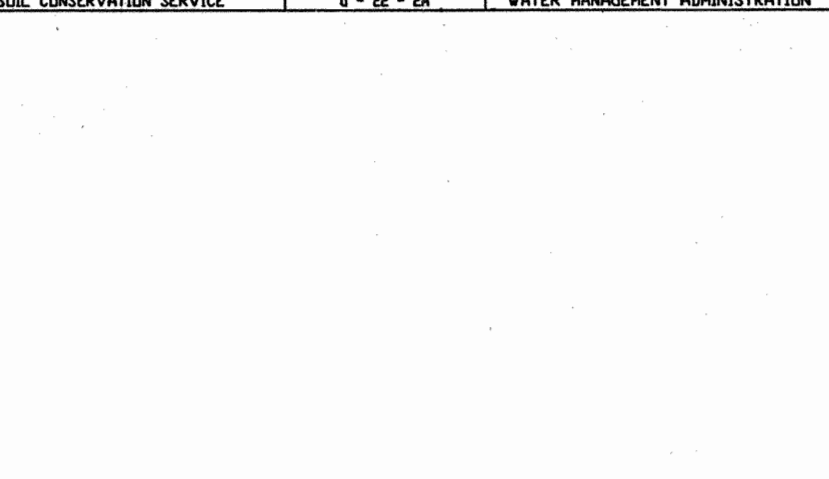


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CONSTRUCTION SPECIFICATIONS
1. Length - minimum of 50' (x20' for single residence lot).
2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.
3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. *The plan approval authority may not require single family residences to use geotextile.
4. Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mounded berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage, then the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

HOWARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION, PRIOR TO THE START OF ANY CONSTRUCTION. (313-1855)
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND REGULATIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 7 OF "HOWARD COUNTY DESIGN MANUAL", STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR PERMANENT SEEDING, SOD, TEMPORARY SEEDING, AND MULCHING (SEC. G) TEMPORARY STABILIZATION WITH MULCH ALLOW ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:**
A. TOTAL SITE AREA: 1,509 AC. OR 65,723 S.F.
B. TOTAL DISTURBED AREA: 1,57 AC. OR 68,441 S.F.
C. TOTAL IMPERVIOUS AREA: 0.86 AC. OR 41,834 S.F.
D. AREA TO VEGETATIVELY STABILIZED: 0.49 AC. OR 21,106 S.F.
E. EARTHWORK:
CUT: - 2,500 C.Y.
FILL: - 990 C.Y.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE APPLIED UNTIL INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH SHALL BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.



30.0 DUST CONTROL

Definition
Controlling dust blowing and movement on construction sites and roads.

Purpose
To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.

Conditions Where Practice Applies
This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.

Specifications

Temporary Methods

- Mulches - See standards for vegetative stabilization with mulches only. Mulch should be clipped or tacked to prevent blowing.
- Vegetative Cover - See standards for temporary vegetative cover.
- Tillage - To roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12' apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.
- Irrigation - This is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. Repeat as needed. At no time should the water be irrigated to the point that runoff begins to flow.
- Barriers - Solid board fences, silt fences, snow fences, hurling fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 10 times their height are effective in controlling soil blowing.
- Calcium Chloride - Apply at rates that will keep surface moist. May need reapplication.

Permanent Methods

- Permanent Vegetation - See standards for permanent vegetative cover, and permanent stabilization with sod. Existing trees or large shrubs may afford valuable protection if left in place.
- Topsoiling - Covering with less erodible soil materials. See standards for topsoiling.
- Stone - Cover surface with crushed stone or coarse gravel.

References

- Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
- Agriculture Information Bulletin 354. How to Control Wind Erosion, USDA-ARS. 10-30-1

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/21/04
CHIEF, PLANNING AND ZONING DIVISION

APPROVED: DEPARTMENT OF PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/21/04
COUNTY HEALTH OFFICER
HOWARD COUNTY DEPARTMENT

APPROVED: DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES SERVICE
[Signature] 10-7-04
Name: Howard S.C.D. Date: 10-7-04

REVIEWED FOR: HOWARD S.C.D.
Name: _____
and meets Technical Requirements
Signature: _____ Date: 10-7-04
HOWARD COUNTY DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES SERVICE

ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR SEDIMENT AND EROSION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
SIGNATURE OF ENGINEER: *[Signature]* DATE: 9/3/04
ADAM J. BOLANTH P.E.

DEVELOPER'S CERTIFICATE
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT 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 SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.
SIGNATURE OF DEVELOPER: *[Signature]* DATE: 9-8-04

TOPSOIL CONSTRUCTION AND MATERIAL SPECIFICATIONS

- 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 OF THE SOIL SURVEY PUBLISHED BY USDA-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
- 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 MAY 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 CINDEES, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROCKS, 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, PEONIA WY, THISTLE, OR OTHERS AS SPECIFIED.
III. WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIME SHALL BE SPREAD AT THE RATE OF 4-8 TONS PER ACRE (200-400 LBS./1000 SQ. FT.) PRIOR TO PLACEMENT OF TOPSOIL. LIME SHALL BE DISTURBED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.
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 MAINTAINED, ALBERT 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. IT IS STILL THE INTENTION TO FOLLOW THE REFERENCED 1994 EROSION AND SEDIMENT CONTROL STANDARDS IN THEIR ENTIRETY.

STANDARD AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION WITH SOD

SPECIFICATIONS:

- CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SOD.
- SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 INCH PLUS OR MINUS 1/4 INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
- 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.
- 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 PAIDS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
- SOD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
- 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:

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

FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

- PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 2.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:

- 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.
- GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBERT 4" - 8" HIGHER IN ELEVATION.
- 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. IT IS STILL THE INTENTION TO FOLLOW THE REFERENCED 1994 EROSION AND SEDIMENT CONTROL STANDARDS IN THEIR ENTIRETY.

TEMPORARY SEEDING NOTES
APPLY TO GRADED OR CLEARED AREA LIKELY TO REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED).
SOILS 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 LB. PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ. 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 16 THROUGH FEBRUARY 28. PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS 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 GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GALS./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 GALS./1000 SQ. FT.) FOR ANCHORING.

PERMANENT SEEDING NOTES
APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-TERM VEGETATIVE COVER IS NEEDED.
SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED).
SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
1. 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, APPLY 400 LBS. PER ACRE 30-0-0 AREAFORM FERTILIZER (9 LBS./1000 SQ. FT.)
2. ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC 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 SOIL.
SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS./1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELLS ANCHORED STRAW.
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GALS./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREA. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GALS./1000 SQ. FT.) FOR ANCHORING.
MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

MISS UTILITY
BEFORE YOU DIG CALL 800-955-7777
PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2600 MONTPELIER ROAD

PROJECT NAME EXXONMOBIL GAS STATION
SECTION/AREA N/A
LOT/PARCEL NO. C2/124
PLAT RECORDATION BLOCK # 17
ZONING PEC
TAX MAP NO. 41
ELECT. DISTR. 5
CENSUS TRACT 6051.02
SEWER CODE E21
SEWER CODE 6440000

EXXON MOBIL GAS STATION PROPOSED EXXON GAS STATION

DESIGNED BY: J.J.U.
DRAWN BY: R.L.B.
PROJECT NO.: MD034006
DATE: 2/17/04
SCALE:
DRAWING NO.: 11 OF 17

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/21/04
CHIEF, PLANNING AND ZONING DIVISION

APPROVED: DEPARTMENT OF PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/21/04
COUNTY HEALTH OFFICER
HOWARD COUNTY DEPARTMENT

APPROVED: DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES SERVICE
[Signature] 10-7-04
Name: Howard S.C.D. Date: 10-7-04

30.0 DUST CONTROL

Definition
Controlling dust blowing and movement on construction sites and roads.

Purpose
To prevent blowing and movement of dust from exposed soil surfaces, reduce on and off-site damage, health hazards, and improve traffic safety.

Conditions Where Practice Applies
This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.

Specifications

Temporary Methods

- Mulches - See standards for vegetative stabilization with mulches only. Mulch should be clipped or tacked to prevent blowing.
- Vegetative Cover - See standards for temporary vegetative cover.
- Tillage - To roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12' apart, spring-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.
- Irrigation - This is generally done as an emergency treatment. Site is sprinkled with water until the surface is moist. Repeat as needed. At no time should the water be irrigated to the point that runoff begins to flow.
- Barriers - Solid board fences, silt fences, snow fences, hurling fences, straw bales, and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 10 times their height are effective in controlling soil blowing.
- Calcium Chloride - Apply at rates that will keep surface moist. May need reapplication.

Permanent Methods

- Permanent Vegetation - See standards for permanent vegetative cover, and permanent stabilization with sod. Existing trees or large shrubs may afford valuable protection if left in place.
- Topsoiling - Covering with less erodible soil materials. See standards for topsoiling.
- Stone - Cover surface with crushed stone or coarse gravel.

References

- Agriculture Handbook 346. Wind Erosion Forces in the United States and Their Use in Predicting Soil Loss.
- Agriculture Information Bulletin 354. How to Control Wind Erosion, USDA-ARS. 10-30-1

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/21/04
CHIEF, PLANNING AND ZONING DIVISION

APPROVED: DEPARTMENT OF PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/21/04
COUNTY HEALTH OFFICER
HOWARD COUNTY DEPARTMENT

APPROVED: DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES SERVICE
[Signature] 10-7-04
Name: Howard S.C.D. Date: 10-7-04

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ADDRESS CHART

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CENSUS TRACT 6051.02
SEWER CODE E21
SEWER CODE 6440000

EXXON MOBIL GAS STATION PROPOSED EXXON GAS STATION

DESIGNED BY: J.J.U.
DRAWN BY: R.L.B.
PROJECT NO.: MD034006
DATE: 2/17/04
SCALE:
DRAWING NO.: 11 OF 17

PLANTING NOTES:

- PLANT MATERIAL SHALL BE FURNISHED AND INSTALLED AS INDICATED; INCLUDING ALL LABOR, MATERIALS, PLANTS, EQUIPMENT, INCIDENTALS, AND CLEAN-UP.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLANTING AT CORRECT GRADES AND ALIGNMENT. LAYOUT TO BE APPROVED BY OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
- PLANTS SHALL BE TYPICAL OF THEIR SPECIES AND VARIETY; HAVE NORMAL GROWTH HABITS; WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE FROM DEFECTS AND INJURIES.
- CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL.
- ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN VIGOROUS GROWING CONDITION. PROVISION SHALL BE MADE FOR A GROWTH GUARANTEE OF AT LEAST ONE YEAR FROM THE DATE OF ACCEPTANCE FOR TREES AND SHRUBS. REPLACEMENTS SHALL BE MADE AT THE BEGINNING OF THE FIRST SUCCEEDING PLANTING SEASON. ALL REPLACEMENTS SHALL HAVE A GUARANTEE EQUAL TO THAT STATED ABOVE.
- INsofar as it is PRACTICABLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THIS IS NOT POSSIBLE, THE CONTRACTOR SHALL PROTECT STOCK NOT PLANTED. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. ANY PLANTS NOT INSTALLED DURING THIS PERIOD WILL BE REJECTED.
- QUALITY AND SIZE OF PLANTS, PERIOD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH ANSI Z60 (REV. 1996) "AMERICAN STANDARD FOR NURSERY STOCK" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- ALL PLANTS SHALL BE PLANTED IN AMENDED TOP SOIL THAT IS THOROUGHLY WATERED AND TAMPED AS BACK FILLING PROGRESSES. PLANTING MIX TO BE AS SHOWN ON PLANTING DETAILS. LARGE PLANTING AREAS TO INCORPORATE FERTILIZER AND SOIL CONDITIONERS AS STATED IN PLANTING SPECIFICATIONS.
- PLANTS SHALL NOT BE BOUND WITH WIRE OR ROPE AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES. PLANTS SHALL BE HANDLED FROM THE BOTTOM OF THE BALL ONLY.
- PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION. ALL PLANT MATERIAL SHALL BE SPRAYED WITH "WILT-PRUF" OR EQUAL AS PER MANUFACTURER'S INSTRUCTIONS.
- NO PLANT, EXCEPT GROUND COVERS, SHALL BE PLANTED LESS THAN TWO FEET FROM EXISTING STRUCTURES AND SIDEWALKS.
- SET ALL PLANTS PLUMB AND STRAIGHT. SET AT SUCH LEVEL THAT, A NORMAL OR NATURAL RELATIONSHIP TO THE CROWN OF THE PLANT WITH THE GROUND SURFACE WILL BE ESTABLISHED. LOCATE PLANT IN THE CENTER OF THE PIT.
- ALL INJURED ROOTS SHALL BE PRUNED TO MAKE CLEAN ENDS BEFORE PLANTING UTILIZING CLEAN, SHARP TOOLS. IT IS ADVISABLE TO PRUNE APPROXIMATELY 1/3 OF THE GROWTH OF LARGE TREES (2" CALIPER AND OVER) BY THE REMOVAL OF SUPERFLUOUS BRANCHES, THOSE WHICH CROSS, THOSE WHICH RUN PARALLEL, ETC. MAIN LEADER OF TREES WILL NOT BE CUT BACK. LONG SIDE BRANCHES, HOWEVER, MUST BE SHORTENED.
- EACH TREE AND SHRUB SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
- ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES AS A RESULT OF CONSTRUCTION OPERATIONS. ALL EXISTING TREES SHALL BE FERTILIZED WITH A REGULAR GARDEN FERTILIZER (5-10-5) UPON COMPLETION OF WORK. THE ENTIRE LAMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE TRUNK. CONTRACTOR TO ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH SHARP TOOLS AND FILLED AROUND WITH TOPSOIL. COMPLETELY SATURATE THESE AREAS WITH WATER. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR IS TO PROTECT ALL EXISTING TREES TO REMAIN BY ERECTING TREE PROTECTION FENCE AT THE DRIP LINE. THIS WILL ENSURE NO COMPACTION OF THE ROOT MASS.
- ALL PLANTING BEDS SHALL BE MULCHED WITH 3" LAYER OF DOUBLE SHREDDED HARDWOOD BARK MULCH.
- NEW PLANTING AREAS AND SOD SHALL BE ADEQUATELY IRRIGATED OR WATERED TO ESTABLISH THE PROPOSED PLANTS AND LAWN.
- PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE AS SHOWN ON THE APPROVED LANDSCAPE PLAN MUST BE INSTALLED, INSPECTED AND APPROVED BY THE CITY LANDSCAPE ARCHITECT. THE CITY ENGINEER AND LANDSCAPE ARCHITECT SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS: THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER AS REQUIRED BY OR ASSOCIATED WITH A SUBDIVISION OR SITE PLAN APPROVAL BY THE PLANNING BOARD OR ZONING BOARD OF ADJUSTMENT SHALL BE INSTALLED DURING THE FOLLOWING PLANTING SEASONS:

TYPE	DATES
PLANTS	3/15 TO 12/15
LAWN	3/15 TO 6/15 9/15 TO 12/1

FURTHERMORE, THE FOLLOWING TREE VARIETIES SHALL NOT BE PLANTED DURING THE FALL PLANTING SEASON DUE TO THE HAZARDS ASSOCIATED WITH PLANTING THESE TREES IN THIS SEASON.

ACER RUBRUM	POPULUS VARIETIES
BETULA VARIETIES	PRUNUS VARIETIES
CARPINUS VARIETIES	PYRUS VARIETIES
CRATEGEUS VARIETIES	QUERCUS VARIETIES
KOELREUTERIA	SALIX WEEPING VARIETIES
LIQUID AMBER STYRACIFLUA	TILIA TOMENTOSA
LIRIODENDRON TULIPIFERA	ZELKOVA VARIETIES
PLATANUS ACERIFOLIA	

ANY PLANTINGS INSTALLED IN CONFLICT WITH THIS REQUIREMENT MUST RECEIVE THE WRITTEN APPROVAL OF THE CITY ENGINEER OR LANDSCAPE ARCHITECT, PRIOR TO PLANTING. FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL REQUIRE THE REMOVAL OF THE PLANTING IN QUESTION. THIS REQUIREMENT DOES NOT APPLY TO SEEDING OR SODDING OR PLANTINGS SPECIFICALLY FOR SOIL STABILIZATION PURPOSES. THE PLANTING ASSOCIATED WITH ANY LOT GIVEN A CERTIFICATE OF OCCUPANCY OUTSIDE THESE PERIODS SHALL BE PROVIDED DURING THE PREVIOUS OR NEXT APPROPRIATE SEASON.

- ALL DISTURBED AREAS TO BE TREATED WITH 4" TOP SOIL & SEEDING IN ACCORDANCE WITH PERMANENT STABILIZATION METHODS INDICATED WITHIN THE SEEDING SPECIFICATIONS.

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.

PLANTING SPECIFICATIONS:

- SCOPE OF WORK**
 - THIS WORK SHALL CONSIST OF PERFORMING, CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.
- MATERIALS**
 - GENERAL - ALL MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE NADOT MANUAL OF ROADWAY AND BRIDGE CONSTRUCTION (1998) OR APPROVED EQUAL.
 - PLANTS - ALL PLANTS SHALL BE HEALTHY OR NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS.
 - TOPSOIL - LOAMY SILT, HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, PH RANGE BETWEEN 4.5 - 7, BE FREE OF DEBRIS, ROCKS LARGER THAN TWO INCHES (2"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.
 - MULCH - DOUBLE SHREDDED HARDWOOD BARK MULCH.
- FERTILIZER AND SOIL CONDITIONER**
 - ORGANIC FERTILIZER - SHALL BE PROCESSED SEWER SLUDGE WITH MINIMAL CONTENT OF 1% NITROGEN AND 2% PHOSPHORIC ACID, EQUAL TO "NITROHUMUS".
 - ORGANIC FERTILIZER AND SOIL CONDITIONER - SHALL BE "GRO-POWER" AND ORGANIC BASE MATERIALS COMPRISED OF DECOMPOSED ANIMAL AND VEGETABLE MATTER AND COMPOSTED TO SUPPORT BACTERIAL CULTURES, CONTAINING NO POULTRY, ANIMAL OR HUMAN WASTE. GUARANTEED ANALYSIS (5-3-1) NITROGEN 5%, PHOSPHATE 3%, POTASH 1%. 50% HUMUS AND 15% HUMIC ACIDS.
- GENERAL WORK PROCEDURES**
 - LANDSCAPE WORK SHALL COMMENCE AS SOON AS THOSE PORTIONS OF THE SITE ARE AVAILABLE. CONTRACTOR TO UTILIZE WORKMANLIKE STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH DAYS WORK. ALL DEBRIS, MATERIALS, AND TOOLS SHALL BE PROPERLY STOCKPILED OR DISPOSED OF. ALL PAVED SURFACES SHALL BE SWEEPED CLEAN AT THE END OF EACH DAYS WORK.
- WEEDING**
 - BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
- TOPSOILING**
 - CONTRACTOR TO PROVIDE FOUR INCHES (4") MINIMUM THICK TOPSOIL LAYER IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO PRODUCE A FOUR INCH (4") COMPACTED THICKNESS. TOPSOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED. CONTRACTOR TO FURNISH AN ANALYSIS OF ON-SITE TOPSOIL UTILIZED IN ALL PLANTING AREAS. ADJUST PH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE GROWING MEDIUM.
- SOIL CONDITIONING**
 - CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. SPREAD EVENLY IN ALL PLANTING AREAS AND TILL (2 DIRECTIONS) INTO TOP 4" WITH THE FOLLOWING PER 1,000 SQ. FT.:
150 POUNDS "GRO-POWER"
100 POUNDS AGRICULTURAL GYPSUM
20 POUNDS NITROFORM (COURSE) 38-0-0 BLUE CHIP
- SOIL MODIFICATIONS:**
THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. USE COMPOSTED BARK, RECYCLED YARD WASTE, PEAT MOSS, OR MUNICIPAL PROCESSED SEWAGE SLUDGE. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. RECYCLED MATERIAL BY THE SUPPLIER. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.
MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. IMPROVE DRAINAGE IN HEAVY SOILS BY PLANTING ON RAISED MOUNDS OR BEDS AND INCLUDING SUBSURFACE DRAINAGE LINES.
MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.

- PLANTING**
POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
 - PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH TWICE THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT PIT SHALL BE BACK FILLED WITH THE FOLLOWING PREPARED SOIL MIXED THOROUGHLY:
1 PART PEATMOSS
1 PART COW MANURE BY VOLUME
3 PARTS TOPSOIL BY VOLUME
21 GRAM "AGRIFORM" PLANTING TABLETS AS FOLLOWS:
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" DIAM. OF TRUNK CALIPER

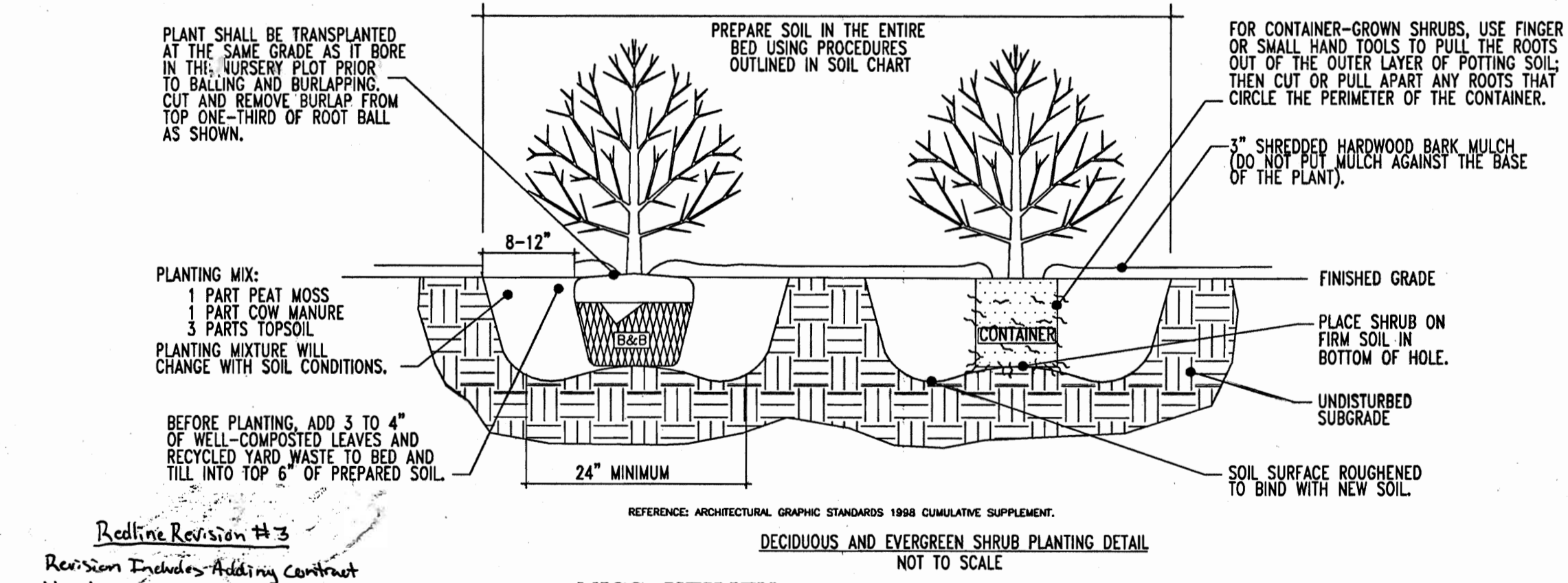
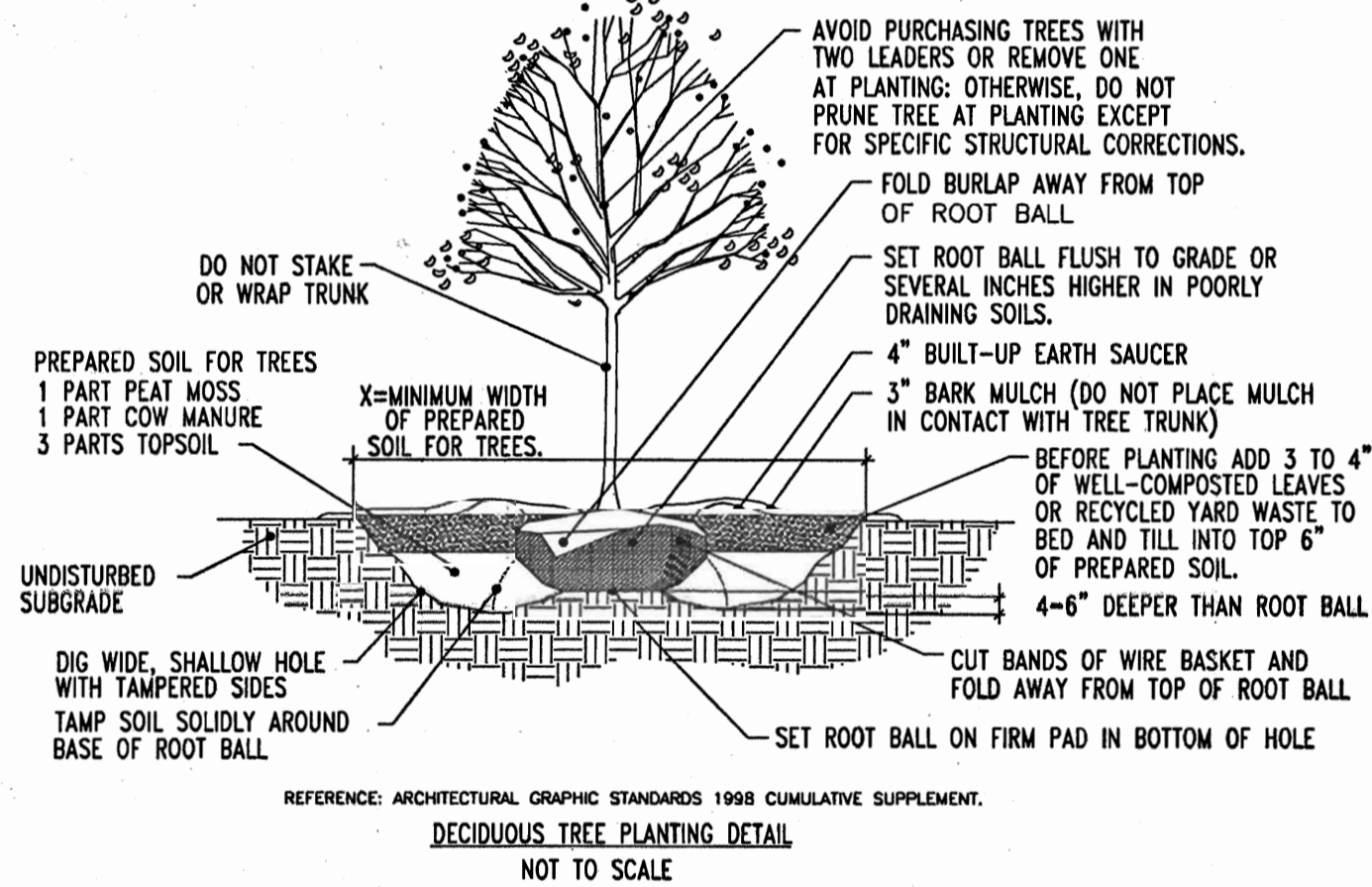
MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS, TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY WITH HERBICIDE AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.
MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.

- MAINTENANCE (ALTERNATE BID)
COST PER MONTH AFTER INITIAL 90-DAY MAINTENANCE PERIOD.

SEEDING SPECIFICATIONS

- PRIOR TO SEEDING, AREA IS TO BE TOPSOILED, FINE GRADED, AND RAKED OF ALL DEBRIS LARGER THAN 2" DIAMETER.
- PRIOR TO SEEDING, CONSULT MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
- SEEDING RATES:
PERENNIAL RYEGRASS 1/2 LB/1000 SQ FT
KENTUCKY BLUEGRASS 1 LB/1000 SQ FT
RED FESCUE 1/2 LB/1000 SQ FT
SPREADING FESCUE 1/2 LB/1000 SQ FT
FERTILIZER (20-10-10) 2 LB/1000 SQ FT
MULCH 90 LB/1000 SQ FT
- GERMINATION RATES WILL VARY AS TO TIME OF YEAR FOR SOWING. CONTRACTOR TO IRRIGATE SEEDED AREA UNTIL AN ACCEPTABLE STAND OF COVER IS ESTABLISHED BY OWNER.

- NOTES:**
- NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
 - REMOVE ALL ROPE FROM TRUNK & TOP OF ROOT BALL. FOLD BURLAP BACK 1/3 FROM ROOT BALL.
 - PLANTING DEPTH SHALL BE THE SAME AS GROWN IN NURSERY.
 - THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
 - THE BOTTOM OF PLANTING PIT EXCAVATIONS SHOULD BE ROUGH TO AVOID MATTING OF SOIL LAYERS AS NEW SOIL IS ADDED. IT IS PREFERABLE TO TILL THE FIRST LIFT (2 TO 3 IN.) OF PLANTING SOIL INTO THE SUBSOIL.



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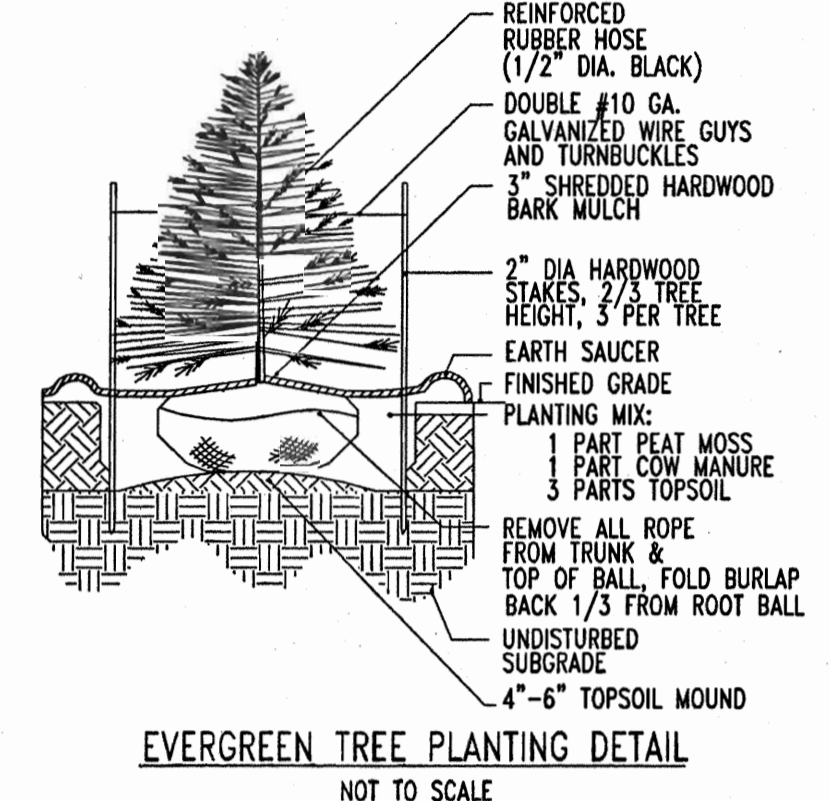
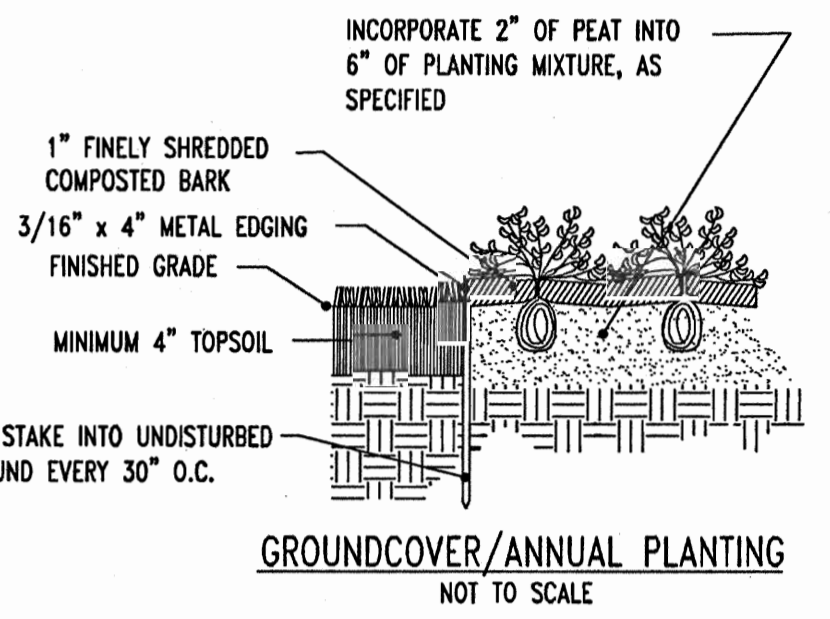
811805 for Redline Revision #3
Revision Includes Adding Contract Number to Ex. Water & Sewer Lines And Changing Address As Shown.

GENERAL RANGE OF SOIL MODIFICATIONS & VOLUMES FOR VARIOUS SOIL CONDITIONS

POST-CONSTRUCTION SOIL CONDITION	MIN. / WIDTH PREPARED SOIL FOR TREES (X)	TYPE OF PREPARATION
GOOD SOIL (NOT PREVIOUSLY GRADED OR COMPACTED, TOPSOIL LAYER INTACT)	6 FT. OR TWICE THE WIDTH OF THE ROOT BALL, WHICHEVER IS GREATER	LOOSEN THE EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN IN DETAILS ABOVE.
COMPACTED SOIL (NOT PREVIOUSLY GRADED, TOPSOIL LAYER DISTURBED BUT NOT ELIMINATED)	15 FT.	LOOSEN THE EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN IN DETAILS ABOVE; ADD COMPOSTED ORGANIC CONTENT UP TO 5% DRY WEIGHT.
GRADED SUBSOILS AND CLEAN FILLS WITH CLAY CONTENT BETWEEN 5 & 35%	20 FT.	MINIMUM TREATMENT: LOOSEN EXISTING SOIL TO WIDTHS AND DEPTHS SHOWN, ADD COMPOSTED ORGANIC MATTER TO BRING ORGANIC CONTENT UP TO 5% DRY WEIGHT. OPTIMUM TREATMENT: REMOVE TOP 8-10 IN. OR THE EXISTING SOILS TO THE WIDTHS AND DEPTHS SHOWN, ADD 8-10 IN. OF LOAM TOPSOIL.
POOR QUALITY FILLS, HEAVY CLAY SOILS, SOILS CONTAMINATED WITH RUBBLE OR TOXIC MATERIAL	20 FT.	REMOVE EXISTING SOILS TO THE WIDTHS AND DEPTHS CONTAMINATED WITH RUBBLE OR TOXIC MATERIAL.

REFERENCE: ARCHITECTURAL GRAPHIC STANDARDS 1998 CUMULATIVE SUPPLEMENT.

- NOTES:**
- NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
 - PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.



SOD TO BE USED FOR PERMANENT STABILIZATION WHENEVER POSSIBLE

THIS PLAN TO BE UTILIZED FOR LANDSCAPE PURPOSES ONLY

APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF DEVELOPMENT ENGINEERING DIVISION
Cindy Hanania 10/23/09 DATE
DIRECTOR

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

NO.	DATE	REVISION DESCRIPTION
3	8/18/05	Revised Address to include Utility Comp. P.S.

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION

AREA TAX MAP 41 BLOCK 17 ZONED PEC
MONTPELER RESEARCH PARK PARCEL 124
ELECTION DISTRICT 5
HOWARD COUNTY, MARYLAND

TITLE: LANDSCAPE DETAILS

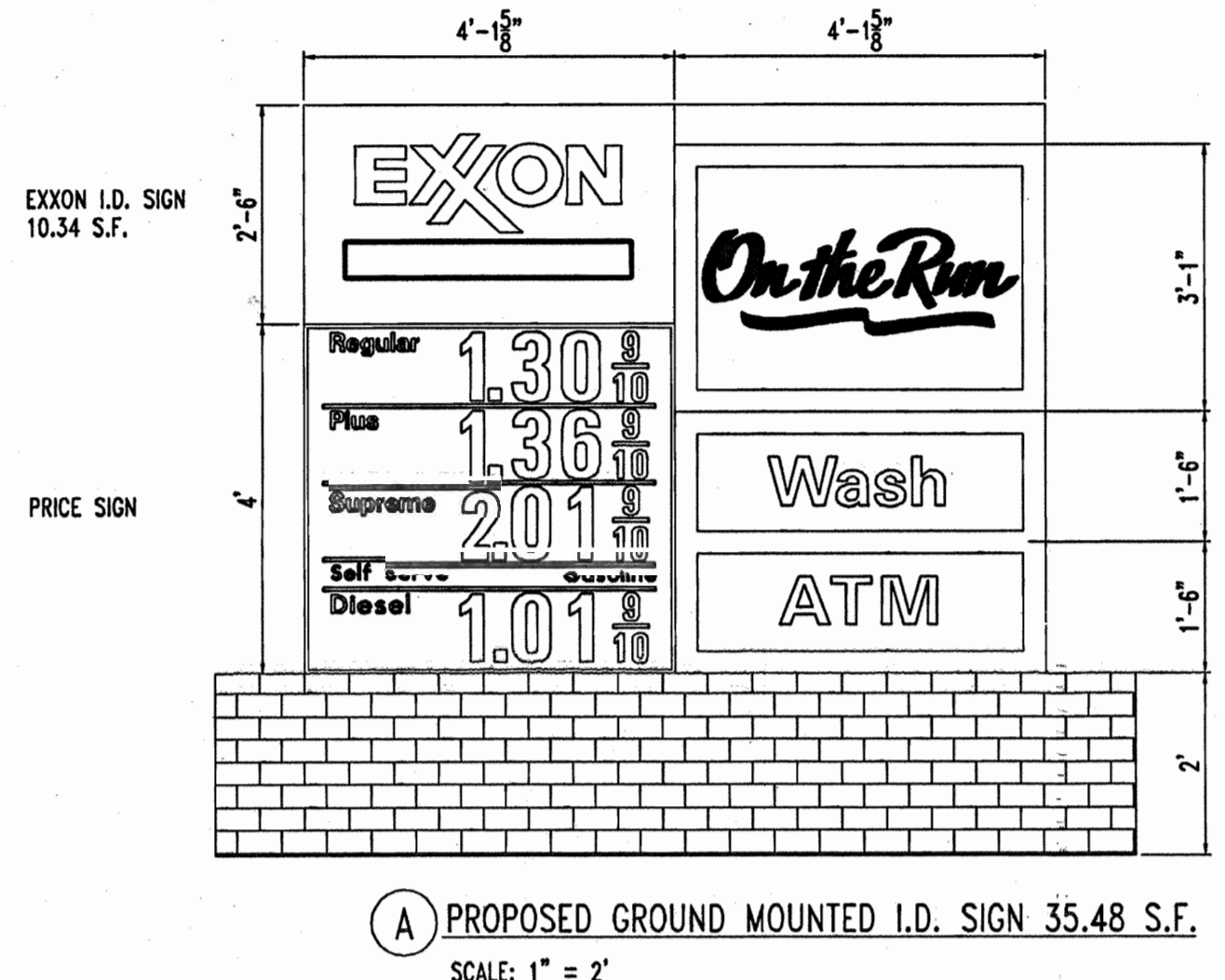
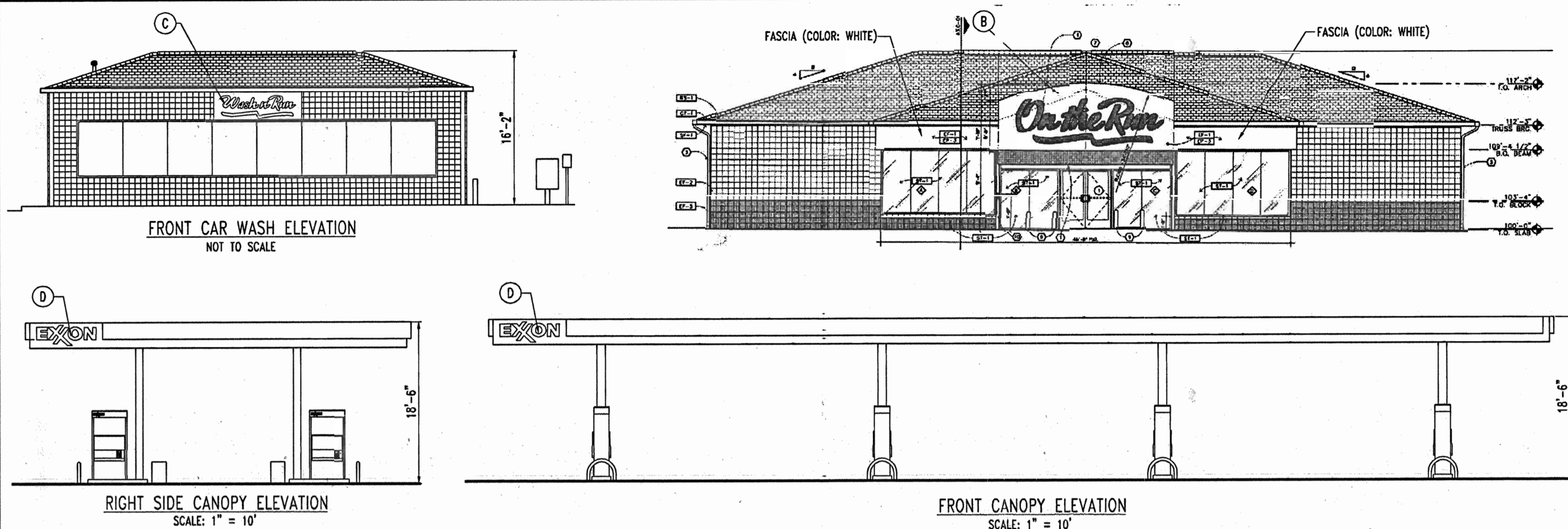
BOHLER ENGINEERING, P.C.
DESIGNED BY: J.J.U.
DRAWN BY: R.L.B.
PROJECT NO.: MDS04006
DATE: 2/17/04
SCALE:
DRAWING NO. 13 OF 17

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2540 MONTPELER ROAD

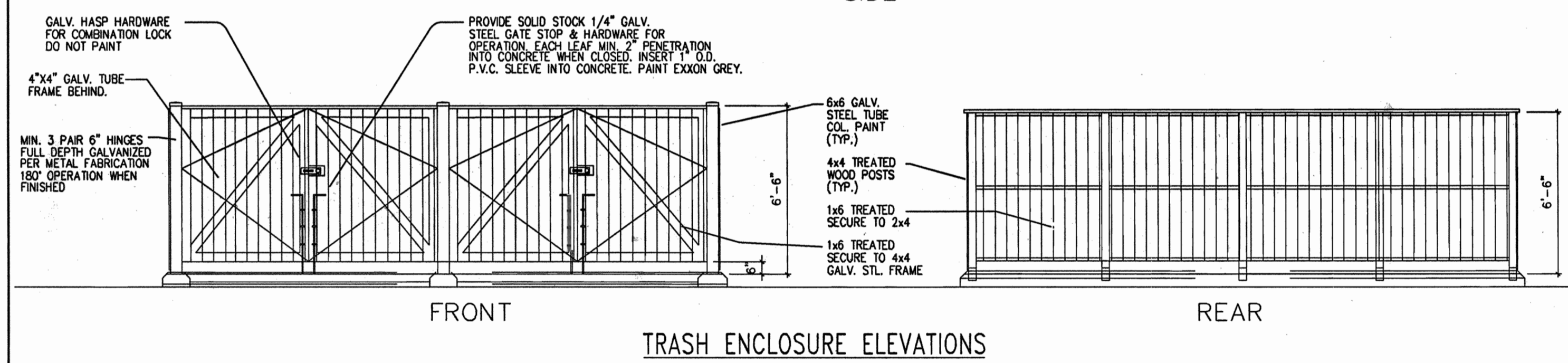
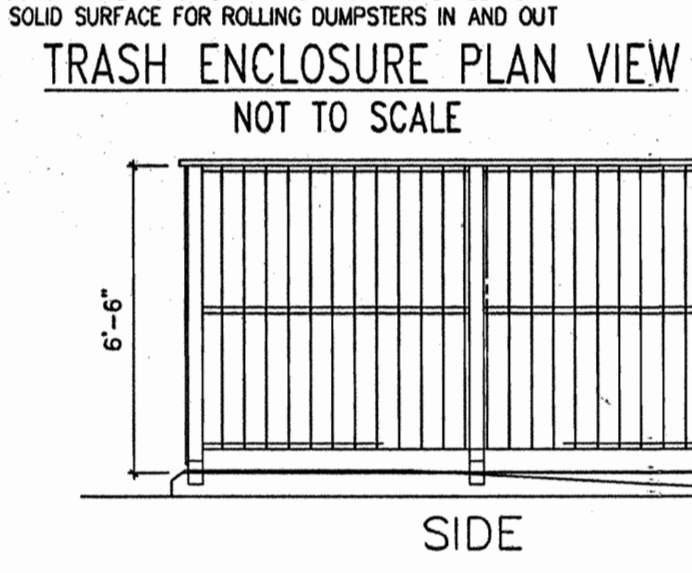
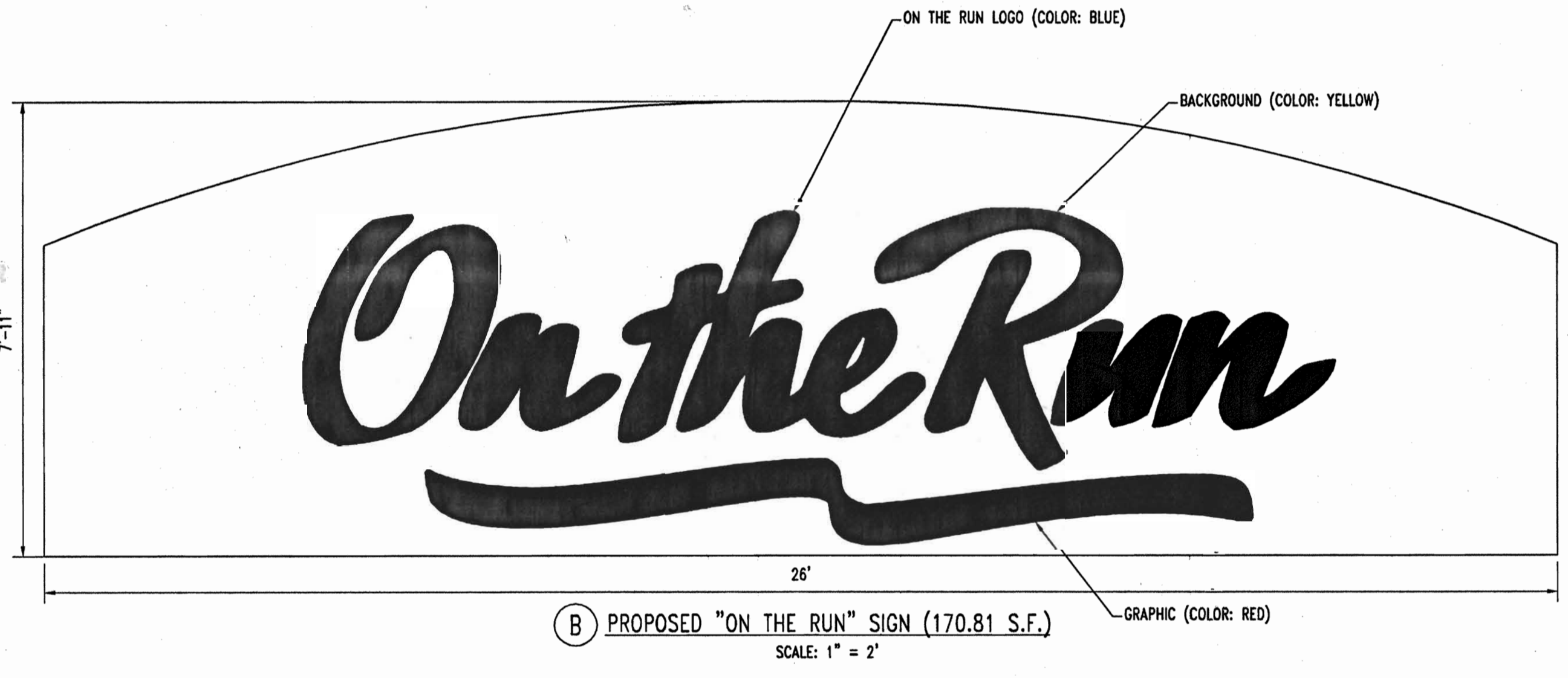
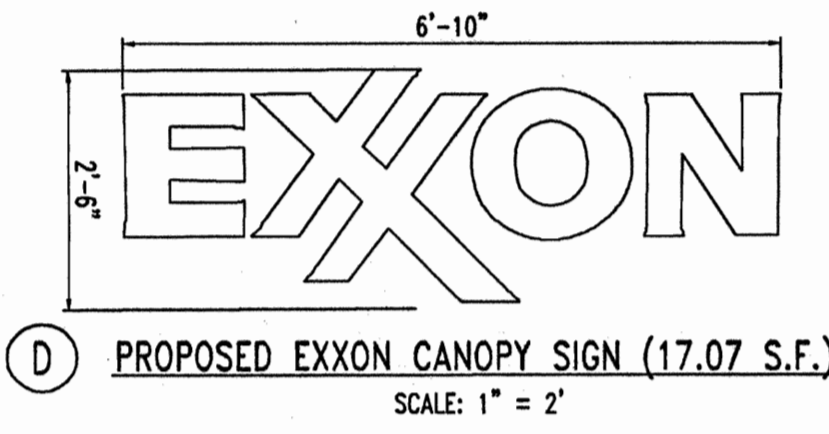
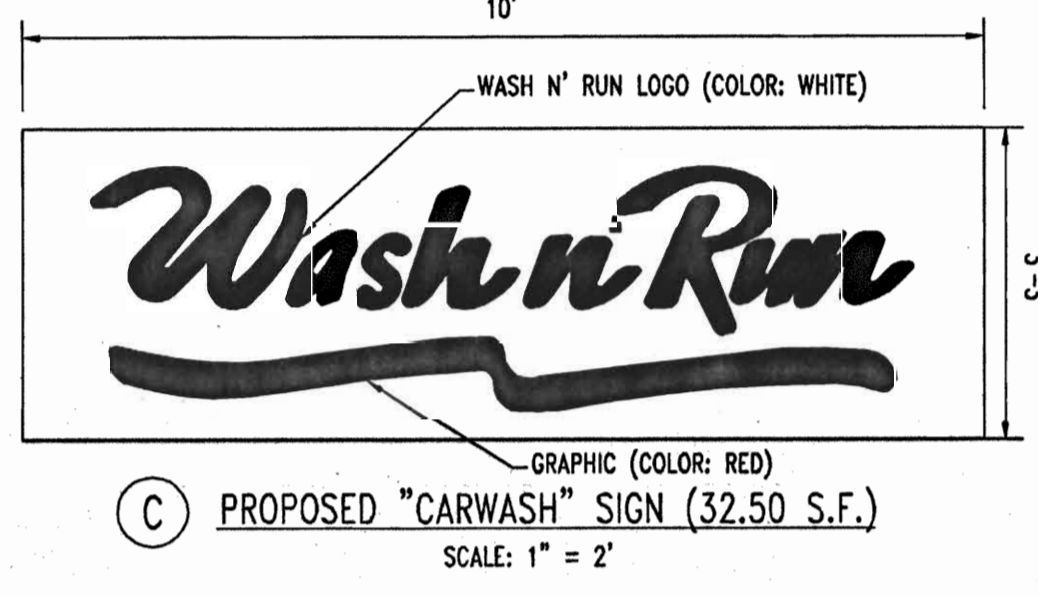
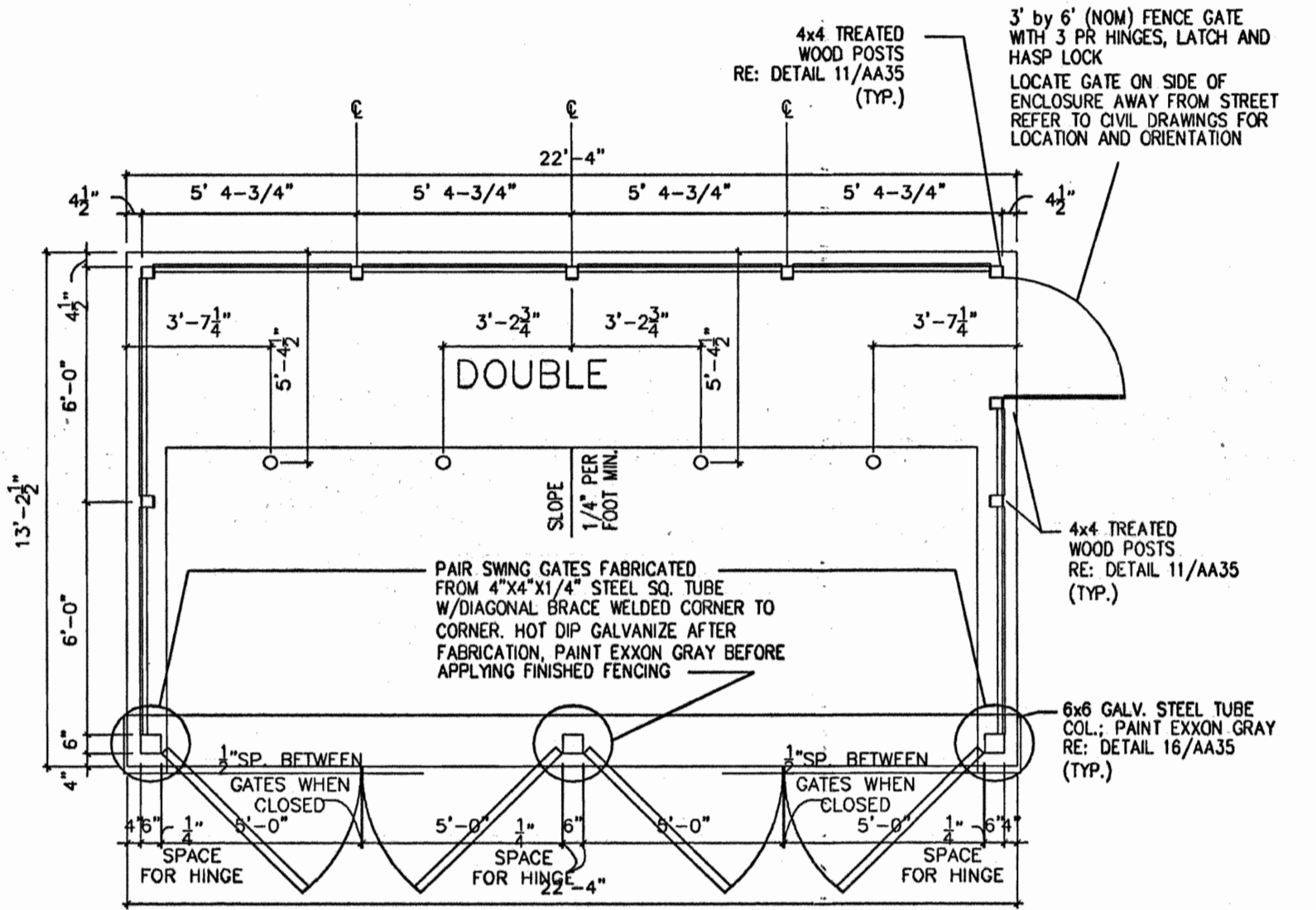
PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.
EXXONMOBIL GAS STATION	N/A	C2/124
PLAT RECORDATION	BLOCK #	ZONING
16832	17	PEC
TAX MAP NO.	ELECT. DIST.	CENSUS TRACT
41	5	6051.02
WATER CODE	SEWER CODE	
E21	6440000	

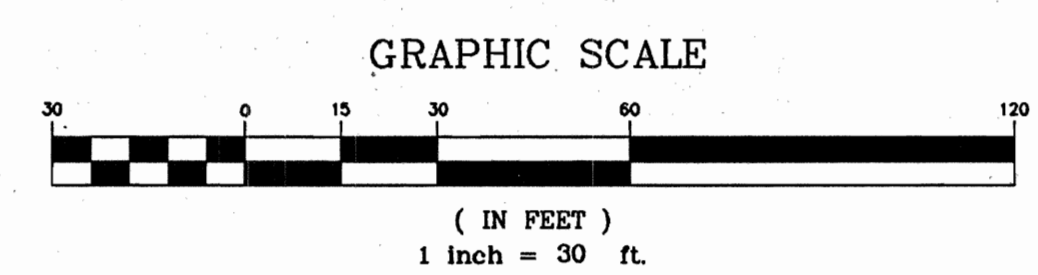


SIGNAGE CALCULATIONS

SYM.	TYPE	AREA (S.F.)	QUANTITY	TOTAL (S.F.)
A.	GROUND MOUNTED ID SIGN (JOHNS HOPKINS ROAD) (HT.=8'-6")	35.48	1	35.48
	COMMERCIAL ID	16.54 - 32 S.F. PERMITTED BY LAW		
3.	"ON THE RUN" SIGN	170.81	1	170.81
4.	CARWASH SIGN	32.50	1	32.50
5.	CANOPY SIGN	17.07	2	34.14
TOTAL PROPOSED SIGNAGE = 258.79 S.F. (NOT INCLUDING 32.00 S.F. OF PRICE SIGNAGE)				
TOTAL PERMITTED JOHNS HOPKINS ROAD SIGNAGE				
2 S.F./L.F. OF PRIMARY FRONTAGE				
2 S.F./L.F. x (85.33 L.F. + 24 L.F.) = 218.66 S.F.				
170.81 S.F. ("ON THE RUN" SIGN) + 17.07 (SIGN) = 187.88 S.F.				
TOTAL PROPOSED JOHNS HOPKINS ROAD SIGNAGE = 187.88 S.F.				
TOTAL PERMITTED MONTPELIER ROAD SIGNAGE				
1 S.F./L.F. OF SECONDARY FRONTAGE				
1 S.F./L.F. x (46 L.F. + 48 L.F.) = 94.00 S.F.				
35.48 (GROUND MOUNTED COMMERCIAL) + 17.07 (CANOPY SIGN) + 32.50 ("CAR WASH" SIGN) = 85.05 S.F.				
TOTAL PROPOSED MONTPELIER ROAD SIGNAGE = 85.05 S.F.				
FREESTANDING SIGNAGE PERMITTED (JOHNS HOPKINS ROAD):				
1 S.F./L.F. SETBACK FROM RIGHT OF WAY:				
1 S.F. x 10 L.F. = 10 S.F.				
PROPOSED: 35.48 S.F.*				
MAXIMUM FREESTANDING HEIGHT PERMITTED (JOHNS HOPKINS ROAD):				
1 L.F./2 L.F. SETBACK FROM RIGHT OF WAY:				
1 L.F./2 L.F. x 10 L.F. = 5'				
PROPOSED: 8.5'*				
MAXIMUM FREESTANDING HEIGHT PERMITTED (MONTPELIER ROAD):				
1 L.F./2 L.F. SETBACK FROM RIGHT OF WAY:				
1 L.F./2 L.F. x 10 L.F. = 5'				
PROPOSED: 8.5'*				



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.



Redline Revision #3
Revision Includes Adding contract Numbers to Ex. Water & Sewer lines and changed Address As shown.

9/16/05, for Redline Revision #3

SIGNAGE IS NOT REVIEWED AS PART OF THIS APPLICATION



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 REGULATIONS THERE TO APPURTENANT.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2500' MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION	BLOCK#	ZONING	TAX MAP NO.
16832	17	PEC	41
WATER CODE	ELECT. DISTR.	CENSUS TRACT	SEWER CODE
E21	5	6051.02	6440000

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief Development Engineering Division
 Chief - Division of Land Review & Appeal
 Director

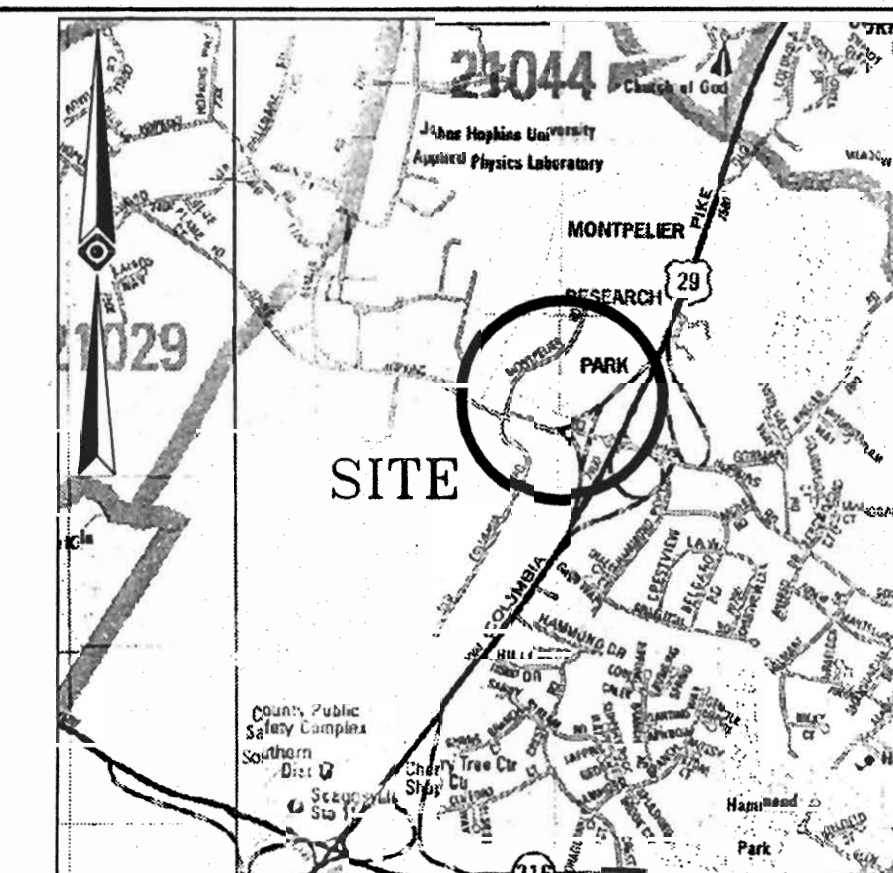
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 County Health Officer
 Howard County Health Department

NO.	DATE	REVISION DESCRIPTION
3	8/18/05	Revised Address & Added utility cont. #3

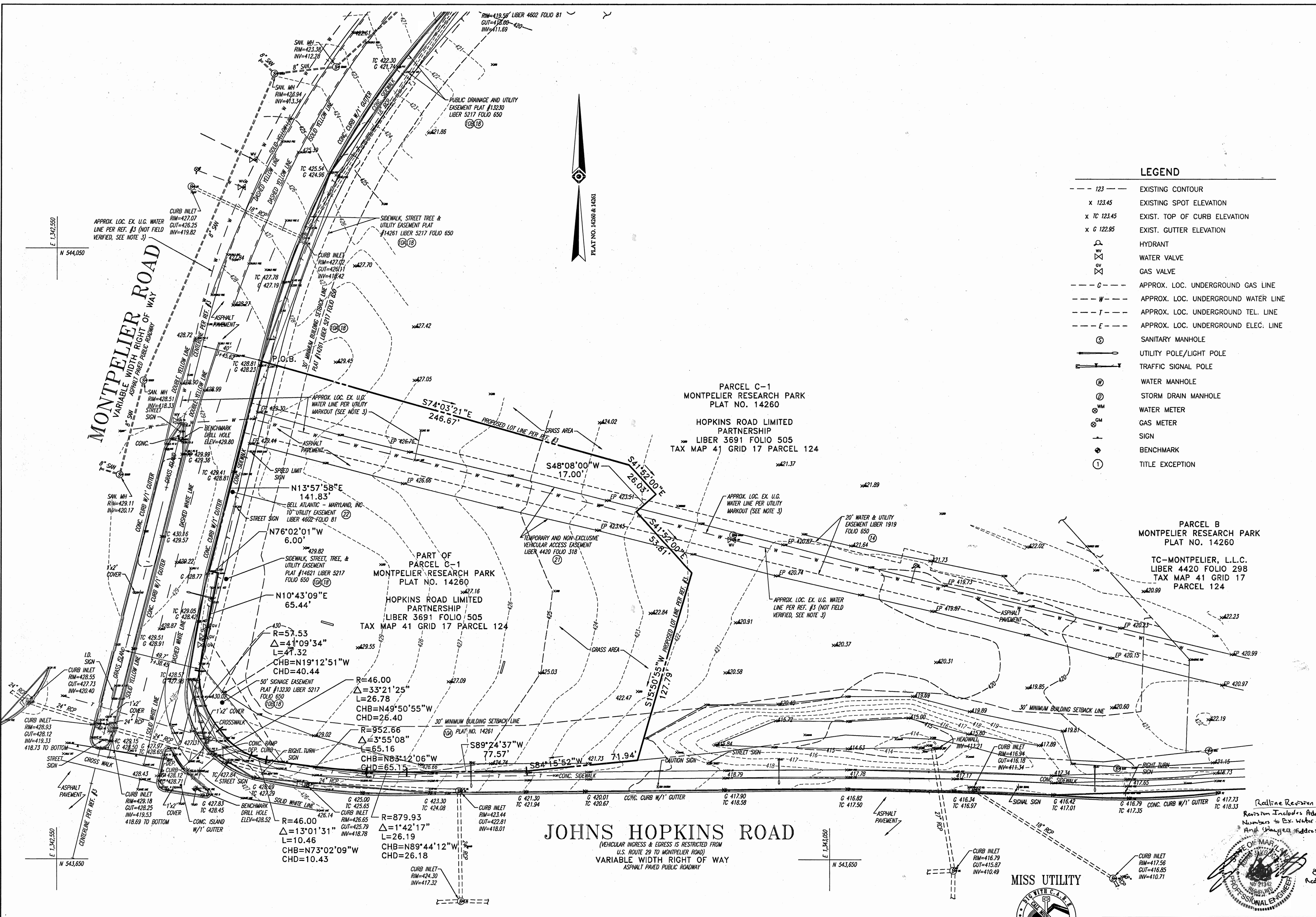
PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE: SIGNAGE PLAN
BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 #110 GLENVIEWES COURT, SUITE 300, TOWSON, MD 21286
 (410) 821-7900 FAX: (410) 821-7907 | www.bohlereng.com

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 15 OF 17



VICINITY MAP
ADD THE MAP PEOPLE
PERMIT USE NO. 20598572



LEGEND

- 123 --- EXISTING CONTOUR
- x 123.45 EXISTING SPOT ELEVATION
- x TC 123.45 EXIST. TOP OF CURB ELEVATION
- x G 122.95 EXIST. GUTTER ELEVATION
- ⊕ HYDRANT
- ⊕ WATER VALVE
- ⊕ GAS VALVE
- C --- APPROX. LOC. UNDERGROUND GAS LINE
- W --- APPROX. LOC. UNDERGROUND WATER LINE
- T --- APPROX. LOC. UNDERGROUND TEL. LINE
- E --- APPROX. LOC. UNDERGROUND ELEC. LINE
- ⊕ SANITARY MANHOLE
- ⊕ UTILITY POLE/LIGHT POLE
- ⊕ TRAFFIC SIGNAL POLE
- ⊕ WATER MANHOLE
- ⊕ STORM DRAIN MANHOLE
- ⊕ WATER METER
- ⊕ GAS METER
- ⊕ SIGN
- ⊕ BENCHMARK
- ⊕ TITLE EXCEPTION

PARCEL C-1
MONTPELIER RESEARCH PARK
PLAT NO. 14260

HOPKINS ROAD LIMITED
PARTNERSHIP
LIBER 3691 FOLIO 505
TAX MAP 41 GRID 17 PARCEL 124

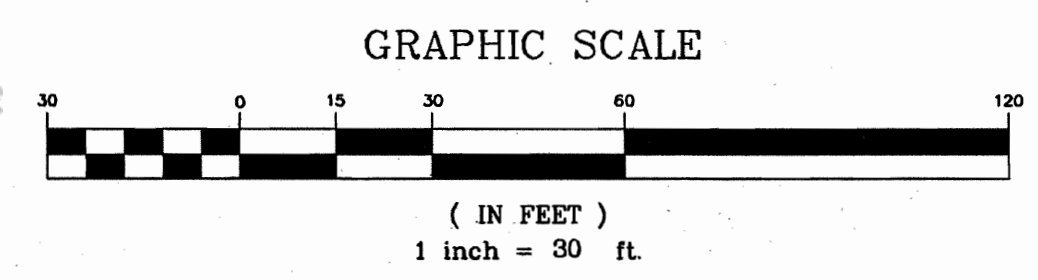
PARCEL B
MONTPELIER RESEARCH PARK
PLAT NO. 14260

TC-MONTPELIER, L.L.C.
LIBER 4420 FOLIO 298
TAX MAP 41 GRID 17
PARCEL 124

PART OF
PARCEL C-1
MONTPELIER RESEARCH PARK
PLAT NO. 14260

HOPKINS ROAD LIMITED
PARTNERSHIP
LIBER 3691 FOLIO 505
TAX MAP 41 GRID 17 PARCEL 124

JOHNS HOPKINS ROAD
(VEHICULAR INGRESS & EGRESS IS RESTRICTED FROM
U.S. ROUTE 29 TO MONTPELIER ROAD)
VARIABLE WIDTH RIGHT OF WAY
ASPHALT PAVED PUBLIC ROADWAY



APPROVED: DEPARTMENT OF PLANNING AND ZONING
10/23/04
CHIEF-DEVELOPMENT ENGINEERING DIVISION
10/22/04
CHIEF-DIVISION & LAND DEVELOPMENT
10/22/04
DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC
SEWERAGE SYSTEMS.
10/26/04
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

3 8/11/05 Revised Address & Added Utility Cont. P&S

NO.	DATE	REVISION DESCRIPTION
1		OWNER
2		DEVELOPER

PROJECT	EXXON MOBIL PROPOSED EXXON GAS STATION
AREA	TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND
TITLE	ALTA/ASCM LAND TITLE SURVEY

BOHLER ENGINEERING, P.C.
PROFESSIONAL ENGINEERING SURVEYORS
8110 GLENACRES COURT, SUITE 300, TOWSON, MD 21286
(410) 851-7999 FAX (410) 851-7997

DESIGNED BY:	J.J.I.
DRAWN BY:	R.L.B.
PROJECT NO.:	MD034006
DATE:	2/17/04
SCALE:	
DRAWING NO. 16 OF 17	

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2806 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION	BLOCK#	ZONING	TAX MAP NO.
16832	17	PEC	41
WATER CODE	SEWER CODE	ELECT. DISTR	CENSUS TRACT
E21	6440000	5	6051.02



BEFORE YOU DIG CALL
1-800-277-7777
PROTECT YOURSELF, ONE TWO
WORKING DAYS AHEAD

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
REGULATIONS THEREOF APPROPRIATE.

THE CONTRACTOR TO CALL MISS UTILITY TO
HAVE ALL EXISTING UTILITIES MARKED 48
HOURS PRIOR TO ANY CONSTRUCTION.

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 CONTRACTORS
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.

SDP04-117

LOG OF BORING NO. MW-1

Sheet 1 of 1

PROJECT: Johns Hopkins Exxon
 PROJECT NO: 030438
 PROJECT LOCATION: Howard County, Maryland
 DATE STARTED: May 20, 2003
 DATE COMPLETED: May 20, 2003
 DRILLING CONTRACTOR: B L Meyers
 DRILLER: Client
 DRILLING METHOD: HSA
 SAMPLING METHOD: Discrete Sampling
 WATER LEVEL:
 DATE: _____
 CAVED (ft): _____
 GROUND SURFACE ELEVATION: _____
 DATUM: Assumed Topo
 EQUIPMENT: Schramm T-450
 LOGGED BY: Client
 CHECKED BY: P. Fanara

SAMPLE NUMBER	SAMPLE DEPTH (ft)	SAMPLE RECOVERY (%)	USCS	DESCRIPTION	REMARKS
1	0.0	Hand Auger	CH	Dark brown, Sandy Fat CLAY with trace of Mica.	Trace of topsoil at surface.
2	2.0	Hand Auger	ML SM	AASHTO: A-7-6	
3	6.0	14-18-18-26	ML SM	(Possible Fill to 4.0 feet)	
4	8.0	14-18-14-20	ML SM	Reddish brown, brown, and olive brown, moist, dense to very dense or stiff to hard, Sandy SILT and Silty SAND with Mica.	Water encountered at 41.5 feet.
5	16.0	33-68*	ML SM	AASHTO: A-2-5	
Bottom of Hole at 17.0 Feet.					

NOTES:
 GTA GEO-TECHNOLOGY ASSOCIATES, INC.
 9090 Junction Drive
 Annapolis Junction, Maryland 20701
 LOG OF BORING NO. MW-1

LOG OF BORING NO. MW-2

Sheet 1 of 1

PROJECT: Johns Hopkins Exxon
 PROJECT NO: 030438
 PROJECT LOCATION: Howard County, Maryland
 DATE STARTED: May 20, 2003
 DATE COMPLETED: May 20, 2003
 DRILLING CONTRACTOR: B L Meyers
 DRILLER: Client
 DRILLING METHOD: HSA
 SAMPLING METHOD: Discrete Sampling
 WATER LEVEL:
 DATE: _____
 CAVED (ft): _____
 GROUND SURFACE ELEVATION: _____
 DATUM: Assumed Topo
 EQUIPMENT: Schramm T-450
 LOGGED BY: Client
 CHECKED BY: P. Fanara

SAMPLE NUMBER	SAMPLE DEPTH (ft)	SAMPLE RECOVERY (%)	USCS	DESCRIPTION	REMARKS
1	0.0	Hand Auger	CH	Brown, moist, Sandy Fat CLAY with trace Mica.	Topsoil 1 in.
2	2.0	Hand Auger	ML SM	AASHTO: A-7-6	
3	4.0	67-9-10 15	ML SM	(Possible Fill to 4.0 feet)	
4	6.0	8-10-11-13 21	ML SM	Reddish brown, brown, moist, medium dense to dense or stiff to very stiff, Sandy SILT and Silty SAND, with trace Clay.	Water encountered at 41.5 feet.
5	8.0	12-12-14-18 28	ML SM		
6	16.0	14-25-34-48 83	ML SM		
Bottom of Hole at 17.0 Feet.					

NOTES:
 GTA GEO-TECHNOLOGY ASSOCIATES, INC.
 9090 Junction Drive
 Annapolis Junction, Maryland 20701
 LOG OF BORING NO. MW-2

LOG OF BORING NO. SB-5

Sheet 1 of 1

PROJECT: Johns Hopkins Exxon
 PROJECT NO: 030438
 PROJECT LOCATION: Howard County, Maryland
 DATE STARTED: May 20, 2003
 DATE COMPLETED: May 20, 2003
 DRILLING CONTRACTOR: B L Meyers
 DRILLER: Client
 DRILLING METHOD: HSA
 SAMPLING METHOD: Discrete Sampling
 WATER LEVEL:
 DATE: _____
 CAVED (ft): _____
 GROUND SURFACE ELEVATION: _____
 DATUM: Assumed Topo
 EQUIPMENT: Schramm T-450
 LOGGED BY: Client
 CHECKED BY: P. Fanara

SAMPLE NUMBER	SAMPLE DEPTH (ft)	SAMPLE RECOVERY (%)	USCS	DESCRIPTION	REMARKS
1	0.0	Hand Auger	CH	Reddish brown and brown, moist to very moist, firm to stiff, Sandy Fat CLAY with trace Mica, Cobble and Gravel.	Topsoil 2 in.
2	2.0	Hand Auger	ML SM	AASHTO: A-7-6	
3	4.0	2-2-8-8 13	ML SM	(Possible Fill to 4.0 feet)	
4	6.0	8-8-8-8 12	ML SM	Reddish brown, moist, firm to very stiff or medium dense to dense, Sandy SILT and Silty SAND.	
5	8.0	8-8-8-7 11	ML SM	AASHTO: A-2-5	
6	15.0	8-14-15-16 29	ML SM		
Bottom of Hole at 17.0 Feet.					

NOTES:
 GTA GEO-TECHNOLOGY ASSOCIATES, INC.
 9090 Junction Drive
 Annapolis Junction, Maryland 20701
 LOG OF BORING NO. SB-5

LOG OF BORING NO. SB-6

Sheet 1 of 1

PROJECT: Johns Hopkins Exxon
 PROJECT NO: 030438
 PROJECT LOCATION: Howard County, Maryland
 DATE STARTED: May 20, 2003
 DATE COMPLETED: May 20, 2003
 DRILLING CONTRACTOR: B L Meyers
 DRILLER: Client
 DRILLING METHOD: HSA
 SAMPLING METHOD: Discrete Sampling
 WATER LEVEL:
 DATE: _____
 CAVED (ft): _____
 GROUND SURFACE ELEVATION: _____
 DATUM: Assumed Topo
 EQUIPMENT: Schramm T-450
 LOGGED BY: Client
 CHECKED BY: P. Fanara

SAMPLE NUMBER	SAMPLE DEPTH (ft)	SAMPLE RECOVERY (%)	USCS	DESCRIPTION	REMARKS
1	0.0	Hand Auger	CH	Reddish brown and brown, moist, stiff to hard, Sandy Fat CLAY with trace Mica, small Gravel.	Topsoil 1 in.
2	2.0	Hand Auger	ML SM	AASHTO: A-7-6	
3	4.0	7-10-17-17 27	ML SM	(Possible Fill to 4.0 feet)	
4	6.0	10-15-24-18 38	ML SM	Reddish brown, moist, stiff to hard, dense to very dense, gray, olive brown, Sandy SILT and Silty SAND with mica, trace Gravel grading downward to a Sapropelic material between 28.0 to 42.0 feet.	Groundwater encountered at 41.5 feet.
5	8.0	20-22-22-27 44	ML SM	AASHTO: A-2-5	
6	15.0	18-27-34-39 81	ML SM		
7	20.0	23-30-37-43 82	ML SM		
8	25.0	26-33-33-33 82	ML SM		
9	30.0	28-28-28-33 82	ML SM		
10	35.0	22-40-40 80*	ML SM		
11	40.0	36-46-43-50 82	ML SM		
Bottom of Hole at 42.0 Feet.					

NOTES:
 GTA GEO-TECHNOLOGY ASSOCIATES, INC.
 9090 Junction Drive
 Annapolis Junction, Maryland 20701
 LOG OF BORING NO. SB-6

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 CONTRACTORS 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.



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 REGULATIONS THERETO APPURTENANT.
 THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

Redline Revision #3
 Revision Includes Adding Contract Number to Ex. Water & Sewer Lines and changed Address As Shown.



ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7570 3600 MONTELEUR ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION BLOCK#	ZONING	TAX MAP NO.	ELECT. DISTR
16832	17	41	5
		CENSUS TRACT	
		6051.02	
WATER CODE	SEWER CODE		
E21	6440000		

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 CHIEF-DIVISION & LAND DEVELOPMENT
 DIRECTOR

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

NO.	DATE	REVISION DESCRIPTION
3	8/10/05	Revised Address & Added Utility Cont. #3

OWNER: HOPKINS ROAD LIMITED PARTNERSHIP
 DEVELOPER: EXXON MOBIL CORPORATION

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION

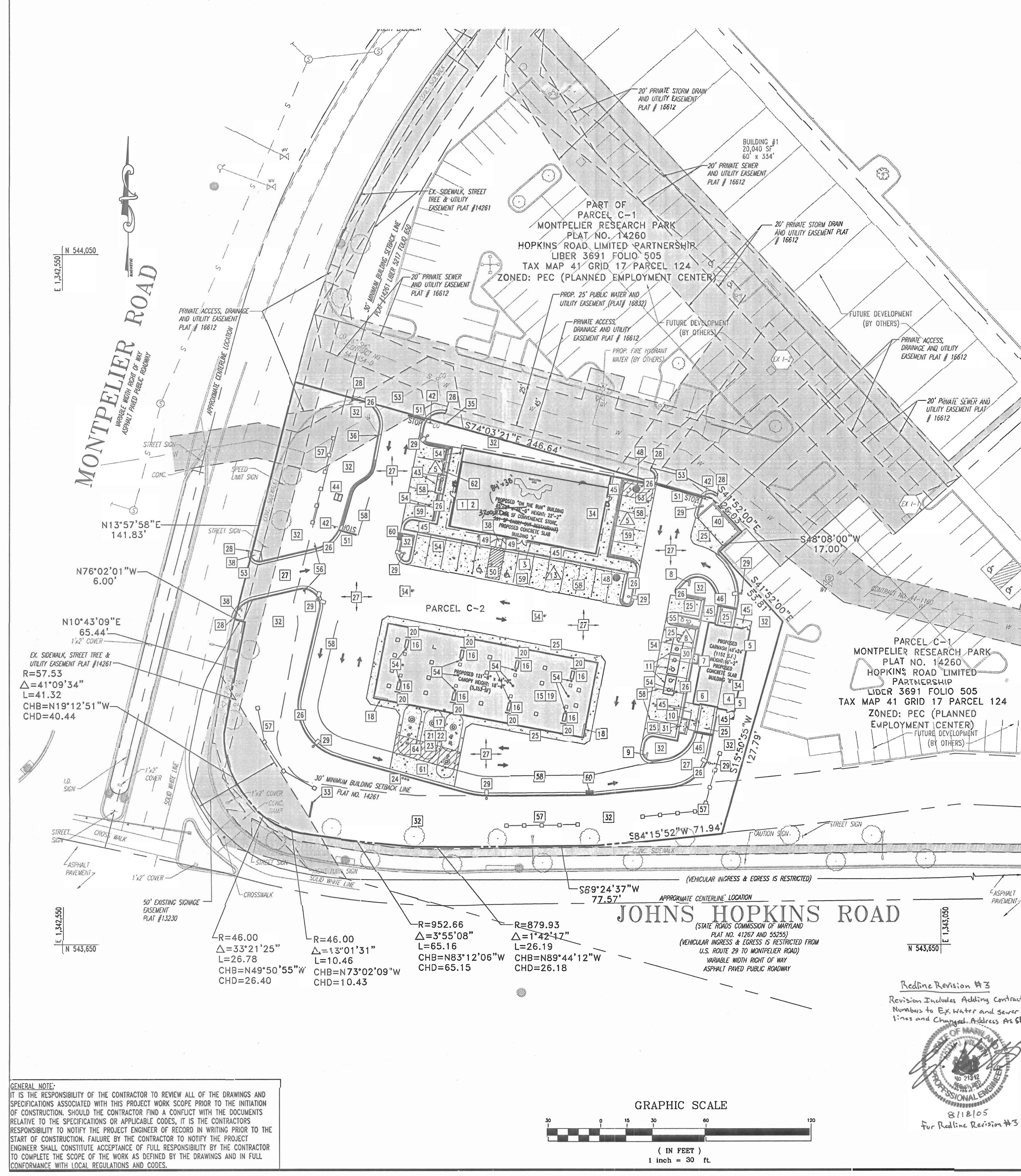
AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTELEUR RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE: SOIL BORINGS

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 810 GLENDALES COURT, SUITE 300, TOWSON, MD 21286

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 17 OF 17

SDP-04-117

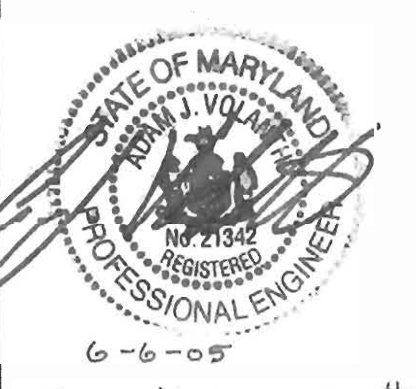


GENERAL NOTES

- CW - CARWASH SUPPLIER
- CS - CANOPY SUPPLIER
- CC - GENERAL CONTRACTOR
- XOM - EXXONMOBIL
- O - OTHER
- 12 - IMPROVEMENT ITEM
- △ - PARKING SPACES
- NEW ASPHALT PAVING (ON PLAN)
- NEW CONCRETE (ON PLAN)
- EXISTING TO REMAIN
- INDICATES TRAFFIC FLOW ONLY. (DOES NOT REFLECT PAINTED TRAFFIC CONTROL(S).)
- FIRE HYDRANT

- ALL UTILITY CONNECTIONS ARE TO BE AS PER LOCAL CODE BY G.C.
- G.C. TO PROVIDE CONDUIT & WIRING TO ALL EXXONMOBIL I.D. SIGNS & CONDUIT ONLY TO PUBLIC TELEPHONE BOOTH.
- SITE PLAN SUPERSEDES ALL WORKING DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL PAINT TO BE FINISHED BY G.C.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND CONSTRUCTION AS SHOWN ON PLANS UNLESS OTHERWISE NOTED.

ITEM NUMBER	FURNISHED BY	INSTALLED BY	DRAWING NO.
1	GC	OC	BUILDINGS
2	GC	OC	BUILDINGS TYPE (85'-4" x 46'-0") "ON THE RUN" (BY GC FURNISHED/INSTALLED)
3	XOM	GC	BUILDINGS DOWNSPOUT BRAINS <input checked="" type="checkbox"/> UNDERGROUND <input type="checkbox"/> ABOVEGROUND
4	GC	OC	BUILDINGS SIGNS
5	GC	OC	CARWASH (48'-0" x 24'-0")
6	GC	OC	CARWASH DOWNSPOUT DRAINS <input checked="" type="checkbox"/> UNDERGROUND <input checked="" type="checkbox"/> ABOVEGROUND
7	GC	OC	CARWASH EQUIPMENT
8	GC	OC	CARWASH "WASH" "ON THE RUN" SIGN
9	GC	OC	CARWASH "EXIT" SIGN
10	GC	OC	CARWASH "ENTER" SIGN
11	GC	OC	FOIN BOX FOR CARWASH
12	GC	OC	CARWASH RELIANT CANOPY/ISLANDS
15	CS	CS	CANOPY TYPE (121'-8" x 44'-0")
16	XOM	GC	DISPENSING EQUIPMENT - 8 MPD'S W/ CRIND & VAPOR VAC (ENCORE)
17	XOM	GC	G-SITE SYSTEM (2) REQUIRED
18	XOM	GC	CANOPY FASICA SIGNS
19	GC	OC	CANOPY DOWNSPOUT DRAINS <input checked="" type="checkbox"/> UNDERGROUND <input type="checkbox"/> ABOVEGROUND
20	XOM	GC	BOLLARDS (8 EA.)
21	XOM	GC	YARD AREA TANKS FOR MOTOR FUEL (1) 15K SUPREME (1) 15K REGULAR (1) 20K (12K SUPREME) (EX DEISEL) STP W/LEAK DETECTORS (3) 1 1/2 HP YUM PUMP & TANK DWGS.
22	XOM	GC	GED FLEX D PRODUCT PIPING
23	GC	OC	VAPOR RECOVERY SYSTEM (STAGE I & STAGE II) W/ VENT PIPES
24	GC	OC	VENT PIPES
25	GC	OC	YARD AREA - OTHER 6" CONCRETE W/ #3 REBAR AT 18" O.C. EACH WAY
26	GC	OC	6" REINFORCED CONCRETE CURB W/ 16" GUTTER
27	GC	OC	ASPHALT PAVING PER XOM SPECIFICATIONS & PER XOM ENGINEER
28	GC	OC	WATCH EXISTING CURB & GUTTER (IN KIND)
29	GC	OC	NEW YARD LIGHTS (16' HIGH), FIXTURES & POLES (PRE-FINISHED)
30	GC	OC	AIR/WATER W/INFORMATION SIGN
31	GC	OC	3"x6"x4" REINFORCED CONCRETE MAT W/ CONDUIT FOR PUBLIC TELEPHONES
32	XOM	GC	LANDSCAPING AREA
33	GC	OC	MAJOR LD. SIGN
34	GC	OC	BUILDING ELECTRICAL, TELEPHONE, AND GAS SERVICE ROUTED UNDERGROUND PER TCC FIELD ENGINEER & LOCAL COUNTY CODES
35	GC	OC	SANITARY SEWER SERVICE - TIE INTO EXISTING SANITARY SEWER STUBOUT PER TCC FIELD ENGINEER & LOCAL COUNTY CODES
36	GC	OC	WATER SERVICE - TIE INTO EXISTING WATER SERVICE LATERAL PER TCC FIELD ENGINEER & LOCAL COUNTY CODES
38	GC	OC	HANDICAP RAMP PER LOCAL, FED. & ADA CODES
40	GC	OC	MASONRY TRASH ENCLOSURE
42	GC	OC	STOP SIGN
43	GC	OC	1000 GALLON GREASE TRAP
44	GC	OC	ELECTRIC TRANSFORMER
45	GC	OC	SIDEWALK
46	GC	OC	TRENCH DRAIN
47	GC	OC	NOT USED
48	GC	OC	HANDICAP
49	GC	OC	HANDICAP PARKING SIGN WALL MOUNTED
50	GC	OC	HANDICAP PAINT STRIPING
51	GC	OC	STOP BAR
52	GC	OC	NOT USED
53	GC	OC	MEET EXISTING PAVEMENT
54	GC	OC	CLEAN OUT
55	GC	OC	VACUUM ISLAND
56	GC	OC	"DO NOT ENTER" SIGN
57	GC	OC	LANDSCAPE FENCE
58	GC	OC	4" PAINT STRIPE
59	GC	OC	6" BLACK CONCRETE W/ #3 REBAR @ 12" O.C. EACH WAY PER EXXON MOBIL STANDARD
60	GC	OC	STANDARD HOWARD COUNTY TYPE "S" INLET
61	GC	OC	8" CONCRETE W/ #3 REBAR AT 18" O.C. EACH WAY
62	GC	OC	CONCRETE WHEEL STOPS (TYP OF 5)
63	GC	OC	PANEL TRUCK DELIVERY AREA
64	GC	OC	FUEL TRUCK DELIVERY AREA



APPROVED: DEPARTMENT OF PLANNING AND ZONING

CHIEF-DEVELOPMENT ENGINEERING DIVISION

CHIEF-DIVISION & LAND DEVELOPMENT

DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.

COUNTY HEALTH OFFICER

HOWARD COUNTY HEALTH DEPARTMENT

OWNER: HOPKINS ROAD LIMITED PARTNERSHIP

DEVELOPER: EXXON MOBIL CORPORATION

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION

AREA: TAX MAP 41 BLOCK 17 ZONED PEC

TITLE: SITE PLAN

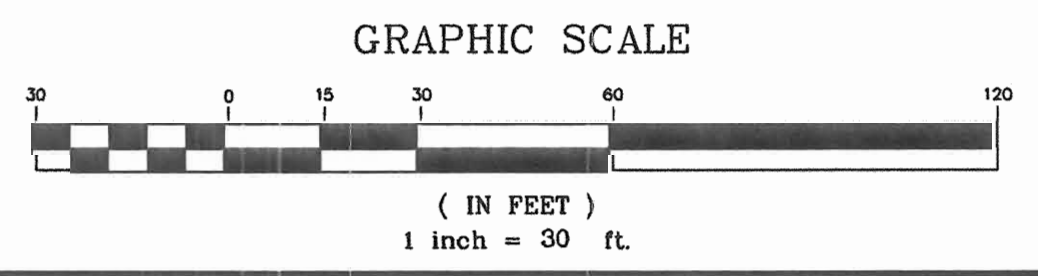
MISS UTILITY



BEFORE YOU DIG CALL 811

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2800 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXON MOBIL GAS STATION	N/A	C2/124	
PLAT REGISTRATION	BLOCK #	ZONING	TAX MAP NO.
16832	1	PEC	41
WATER CODE	SEWER CODE	ELECT. DISTR.	CENSUS TRAIL
E21		5	6051.02



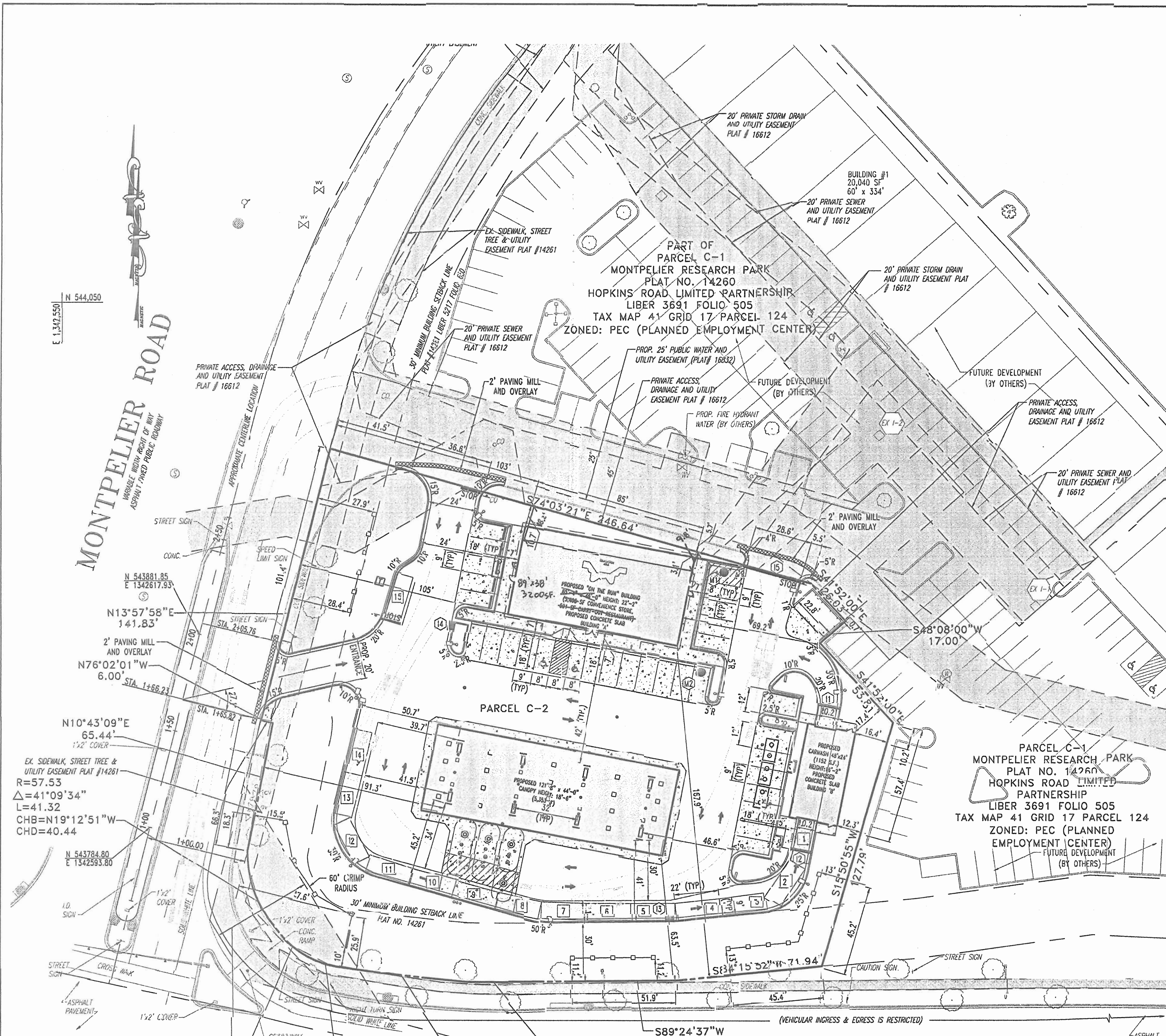
GENERAL NOTE:
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS 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.

Redline Revision #3
Revision Includes Adding Contract Numbers to Ex. Water and sewer lines and Changed Address As Shown.



8/18/05
for Redline Revision #3

Redline Revision #2
Revise the convenience store/grocery serve restaurant from 3,997 SF to a 3,200 SF convenience store, with no grocery serve restaurant.



GENERAL NOTES:

- UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST HOWARD COUNTY PLUMBING CODE AND DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND DETAILS. IN CASE OF CONFLICT OR DISCREPANCY, THE PLUMBING CODE SHALL APPLY.
- EXISTING SITE FEATURES AND UTILITIES SHOWN HAVE BEEN BASED UPON SURVEYS AND OTHER SOURCES BELIEVED TO BE RELIABLE. THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 A MINIMUM OF THREE WORKING DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN, REPAIR, AND/OR REPLACE ANY EXISTING SEDIMENT CONTROL DEVICES ENCOUNTERED AND DISTURBED DURING THE COURSE OF CONSTRUCTION. AT THE END OF EACH DAY, ALL MEASURES AND DEVICES SHALL BE REPAIRED OR REPLACED BEFORE LEAVING THE WORK SITE.
- CONSTRUCTION SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION ON THE APPROVED EROSION AND SEDIMENT CONTROL DRAWING.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES.
- NUMERICALLY WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- UNLESS OTHERWISE NOTED, DIMENSIONS FROM CURB ARE MEASURED AT FACE OF CURB.
- REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.
- ALL GRADING AND EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S REPORT PREPARED BY GEO-TECHNOLOGY ASSOCIATES, INC. DATED 06/18/2003, AND INSPECTED BY A GEOTECHNICAL ENGINEER.
- FINISHED GRADES SHALL FALL AWAY FROM EXISTING AND PROPOSED BUILDINGS AT A MINIMUM OF 1/4 INCH PER FOOT FOR VEGETATED AREAS AND A MINIMUM OF 1/8 INCH PER FOOT FOR PAVED AREAS UNLESS OTHERWISE INDICATED.
- CONSTRUCTION OF SUBGRADE, UNDERDRAINS, AND PAVING SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES, AS NECESSARY. REPORT ANY DISCREPANCIES FROM THE PLANS TO BOHLER ENGINEERING, P.C. ALL UTILITIES SHALL BE RETAINED UNLESS LABELED OTHERWISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST AND WORK REQUIRED TO ADJUST EXISTING AND PROPOSED UTILITIES AND APPURTENANCES TO FINISH GRADES WITHIN THE LIMITS OF WORK. DAMAGE TO EXISTING CONDITIONS AND UTILITIES SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL HAVE ALL PRIVATE UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.
- EXISTING UTILITIES WHICH ARE NOT TO BE REMOVED OR ABANDONED SHALL REMAIN OPERATIONAL AT ALL TIMES. APPROPRIATE EXISTING UTILITIES SHALL REMAIN IN SERVICE UNTIL REPLACEMENT/RELOCATED UTILITIES ARE OPERATIONAL. IF ANY INTERRUPTION OF A UTILITY SERVICE IS ANTICIPATED, NOTIFY AFFECTED ACCOUNT HOLDERS IN ACCORDANCE WITH THE GUIDELINES OF THE RESPECTIVE UTILITY COMPANY.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL UTILITIES TO AVOID CONSTRUCTION PROBLEMS/CONFLICTS WITH EROSION AND SEDIMENT CONTROL MEASURES. SEE APPROVED SEDIMENT CONTROL PLAN.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WATER, SEWER, AND DRAIN HOUSE CONNECTIONS WITH THE MECHANICAL DRAWINGS.
- THE CONTRACTOR SHALL MAINTAIN 2.0 FEET MINIMUM COVER OVER ALL UTILITIES DURING CONSTRUCTION.
- ELECTRIC, TELEPHONE, GAS, CABLE, LIGHTING, AND RETAINING WALLS TO BE DESIGNED BY OTHERS. WHERE THOSE FACILITIES ARE SHOWN, THEY ARE FOR COORDINATION PURPOSES ONLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK NOT SPECIFICALLY MENTIONED ON THE PLANS WHICH NORMALLY WOULD BE REQUIRED TO COMPLETE THE PROJECT.
- ALL UTILITY CONNECTIONS ARE TO BE AS PER LOCAL CODE BY GENERAL CONTRACTOR
- GENERAL CONTRACTOR TO PROVIDE CONDUIT & WIRING TO ALL I.D. SIGNS
- UNLESS OTHERWISE NOTED, ALL PAINT TO BE FURNISHED BY GENERAL CONTRACTOR
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND CONSTRUCTION AS SHOWN ON PLANS UNLESS OTHERWISE NOTED.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/13/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION DATE
[Signature] 10/22/04
 CHIEF-DIVISION & LAND DEVELOPMENT DATE
[Signature] 10/28/04
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
[Signature] 10/15/04
 COUNTY HEALTH OFFICER DATE
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
2	6-16-05	Revised to a 3,200 SF store
3	7/18/05	Revised to address address at 12:15, cont. 15

OWNER: HOPKINS ROAD LIMITED PARTNERSHIP
 9030 RED BRUSH ROAD SUITE 200 COLUMBIA, MD 21045-2055

DEVELOPER: EXXON MOBIL CORPORATION
 c/o TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, 5th FLOOR FAIRFAX, VA 22037

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION

AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE: DIMENSIONED SITE PLAN

Bohler ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 1111 GUNNERS QUAY, SUITE 300, WILSON, MD 21886
 4100 1st FLOOR, 1111 GUNNERS QUAY, WILSON, MD 21886

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MDD3400E
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 4 OF 17



5-6-05 For Redline Revision #2

Redline Revision #3
 Revision Includes Mending Contract Number to Ex. Water & Sewer Lines And Changed Address As shown



8/18/05 For Redline Revision #3

Redline Revision #2
 Revise the convenience store/quick serve restaurant from 3,997 SF to a 3,200 SF convenience store with no quick serve restaurant.

MISS UTILITY



BEFORE YOU DIG CALL 1-800-257-7777 PROTECT YOURSELF THE TWO WORKING DAYS NOTICE

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 REGULATIONS THEREOF APPLICABLE.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

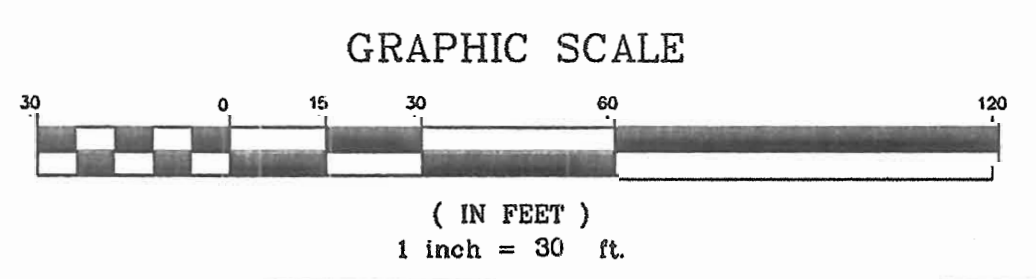
ADDRESS CHART

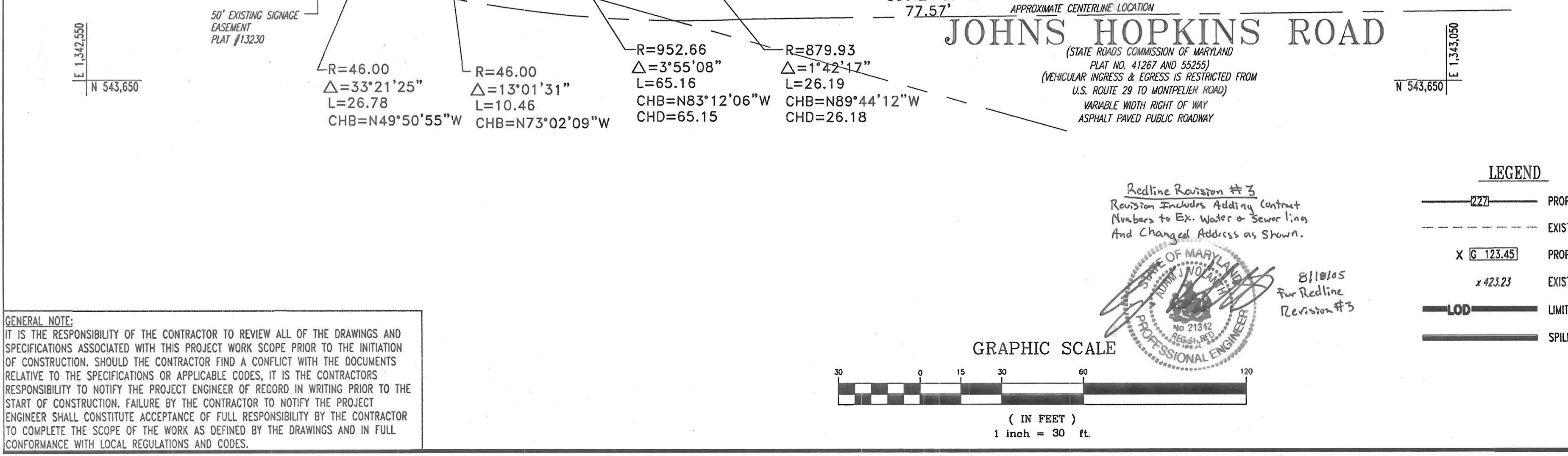
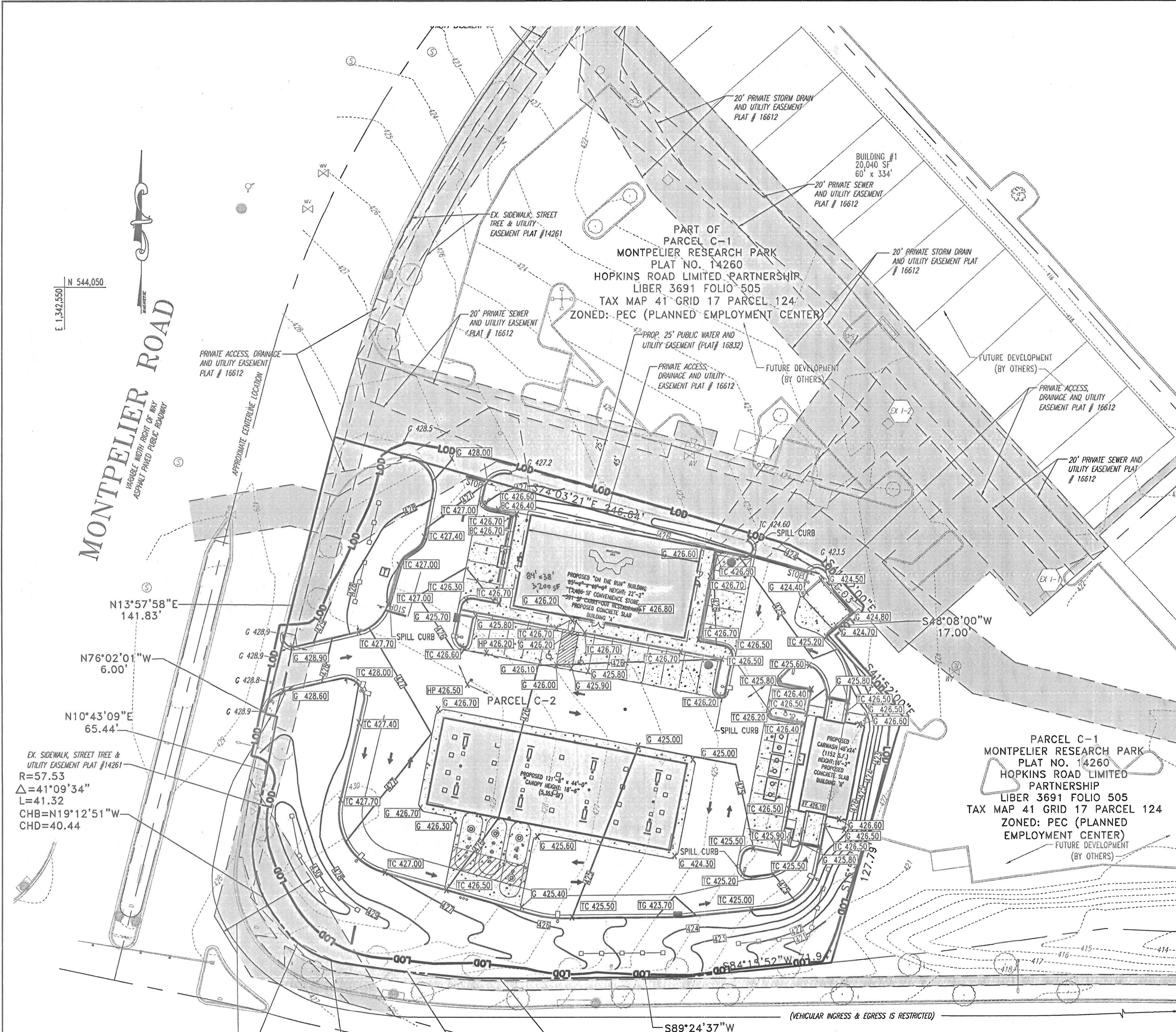
LOT/PARCEL #	STREET ADDRESS
C2/124	7570 MONTPELIER ROAD

PERMIT INFORMATION CHART

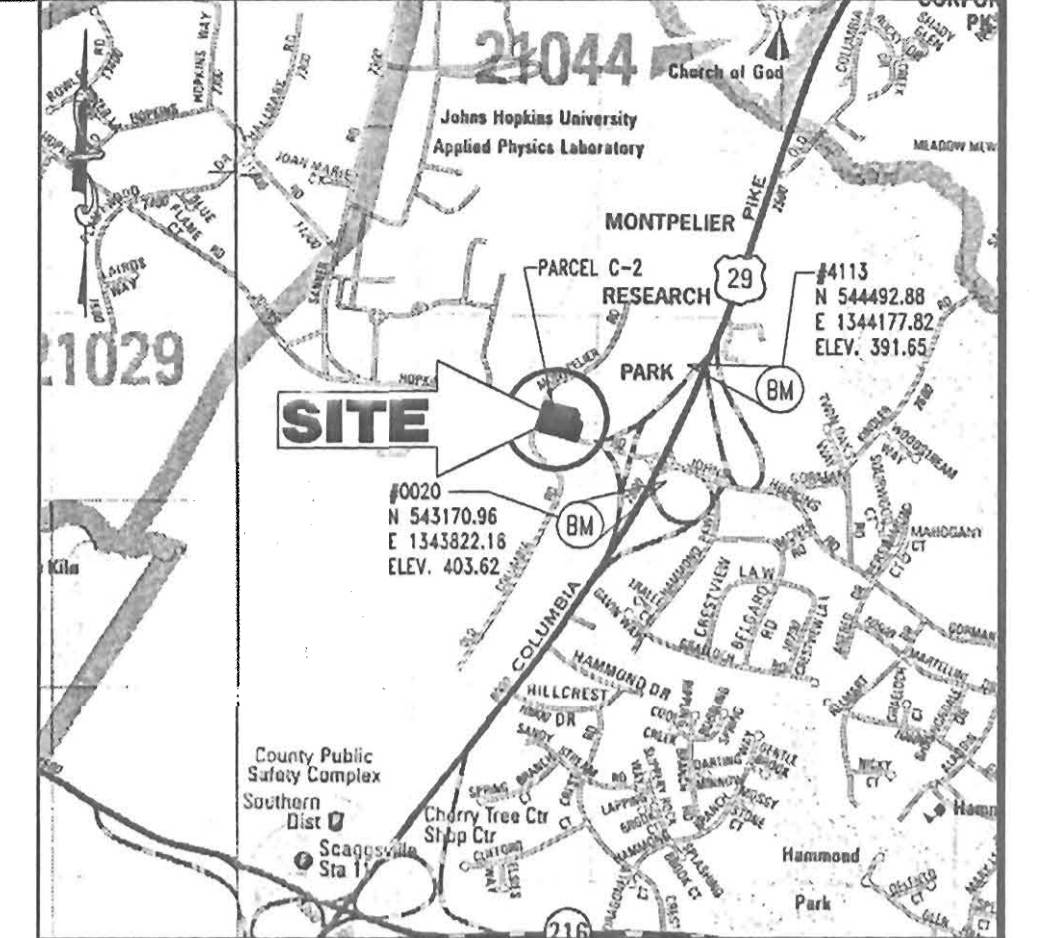
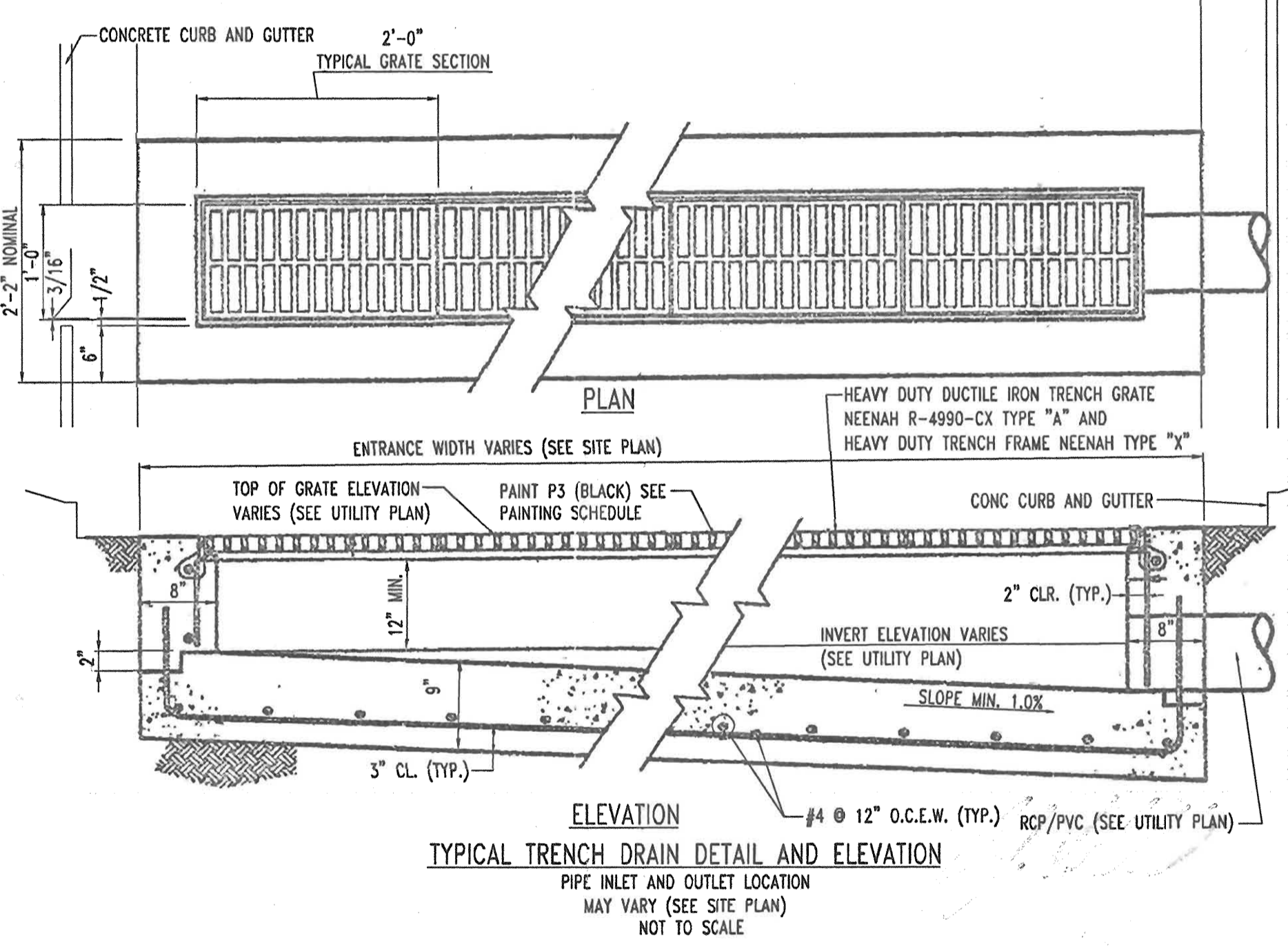
PROJECT NAME	EXXON MOBIL GAS STATION	SECTION/AREA	N/A	LOT/PARCEL NO.	C2/124
PLAT RECORDATION	16832	BLOCK#	17	ZONING	PEC
TAX MAP NO.	41	ELECT. DIST.	5	CENSUS TRACT	6051.02
WATER CODE	E21	SEWER CODE	6440000		

GENERAL NOTE:
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- GRADING NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHY AND UTILITY INVERT ELEVATIONS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO ENSURE 0.75% MIN. SLOPE AGAINST ALL GUTTERS TO PREVENT PONDING. ANY DISCREPANCIES SHALL BE PROVIDED TO THE ENGINEER IN WRITING IMMEDIATELY.
 - SUBBASE MATERIAL FOR SIDEWALKS, CURB, OR ASPHALT SHALL BE FREE OF ORGANICS AND OTHER UNSUITABLE MATERIALS. SHOULD SUBBASE BE DEEMED UNSUITABLE, SUBBASE IS TO BE REMOVED AND FILLED WITH APPROVED FILL MATERIAL COMPACTED TO 95% OPTIMUM DENSITY (AS DETERMINED BY MODIFIED PROCTOR METHOD).
 - SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND STANDARDS OF THE LOCAL AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER A.S.T.M. TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED, LICENSED, SOILS ENGINEER, CERTIFYING THAT THE SUBBASE WITHIN THE AREAS TO BE PAVED HAS BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS.
 - 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 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 WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
 - LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICES CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST POINTS. CROSSINGS WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - ALL SPOT SHOTS ON PROPOSED CURBS ARE TAKEN FROM TOP OF CURB AND ARE TO BE 6" TO BOTTOM OF CURB UNLESS OTHERWISE NOTED.
 - SITE AREA: 1.50 AC.
 - DISTURBED AREA: 1.57 AC.
 - OWNER: HOPKINS ROAD LIMITED PARTNERSHIP
9030 RED BRANCH ROAD, SUITE 200
COLUMBIA, MD 21045-2055
 - THESE PLANS ARE BASED ON THE MARYLAND COORDINATE SYSTEM (MCS) AND THE NORTH VERTICAL DATUM OF 1988 (NAV88).
 - STORMWATER MANAGEMENT IS PROVIDED VIA A REGIONAL FACILITY CONSTRUCTED FOR THE MONTEPELLIER RESEARCH PARK.



LOCATION MAP
 COPYRIGHT ADC THE MAP PEOPLE
 PERMIT USE NO. 20694276
 SCALE: 1"=2000'

BENCHMARK INFORMATION

HOWARD COUNTY BENCHMARK NO. 0020 ELEVATION: 403.62 N 543170.96 E 1343822.16	HOWARD COUNTY BENCHMARK NO. 4113 ELEVATION: 391.65 N 544492.88 E 1344177.82
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APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/12/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION DATE

APPROVED: DIVISION & LAND DEVELOPMENT
[Signature] 10/22/04
 CHIEF-DIVISION & LAND DEVELOPMENT DATE

APPROVED: DIRECTOR
[Signature] 10/20/04
 DIRECTOR DATE

APPROVED: COUNTY HEALTH OFFICER
[Signature] 10/18/04
 HOWARD COUNTY HEALTH DEPARTMENT DATE

NO.	DATE	REVISION DESCRIPTION
2	6-6-05	Revised to a 3200 SF Store
3	8/18/08	Revised Address & Added Utility Cont. W's

OWNER: HOPKINS ROAD LIMITED PARTNERSHIP
9030 RED BRANCH ROAD, SUITE 200, COLUMBIA, MD 21045-2055

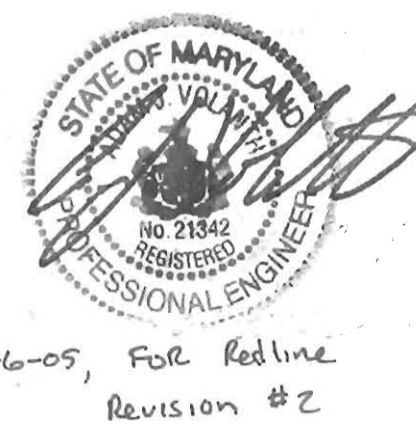
DEVELOPER: EXXON MOBIL CORPORATION
C/O TRAMMEL CROW COMPANY
3225 GALLOWAY ROAD, ROOM 5W218, FAIRFAX, VA 22037

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION

AREA: TAX MAP 41 BLOCK 17 ZONED PEC
MONTEPELLIER RESEARCH PARK PARCEL 124
ELECTION DISTRICT 5
HOWARD COUNTY, MARYLAND

TITLE: GRADING PLAN

Redline Revision #2
 Revise the convenience store/guich serve restaurant from 3997 SF to a 3,200 SF convenience store, with no guich serve restaurant.



- LEGEND**
- 227 — PROPOSED GRADE
 - - - - - EXISTING GRADE
 - X 6 123.45 PROPOSED SPOT
 - x 423.23 EXISTING SPOT
 - LOD — LIMIT OF DISTURBANCE
 - — — — — SPILL CURB

MISS UTILITY

BEFORE YOU DIG CALL
 1-800-357-7777
 PROTECT YOURSELF. DIG TWO WORKING DAYS NOTICE

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 REGULATIONS THERE TO APPURTENANT.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2866 MONTEPELLIER ROAD

PERMIT INFORMATION CHART

PROJECT NAME	EXXONMOBIL GAS STATION	SECTION/AREA	N/A	LOT/PARCEL NO.	C2/124
PLAT RECORDATION	16832	BLOCK#	17	ZONING	PEC
TAX MAP NO.	41	ELECT. DIST.	5	CENSUS TRACT	6051.02
WATER CODE	E21	SEWER CODE	6440000		

BOHLER ENGINEERING, P.C.

PROFESSIONAL ENGINEER NO. 21342

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: M034008
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 5 OF 17

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 WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.

MONTPELIER ROAD
 VARIABLE WIDTH RIGHT OF WAY
 ASPHALT PAVED PUBLIC ROADWAY

N 544.050
 E 1,342.550

N13°57'58"E
 141.83'
 N76°02'01"W
 6.00'
 N10°43'09"E
 65.44'

EX. SIDEWALK, STREET TREE &
 UTILITY EASEMENT PLAT #14261
 R=57.53
 $\Delta=41'09'34"$
 L=41.32
 CHB=N19°12'51"W
 CHD=40.44

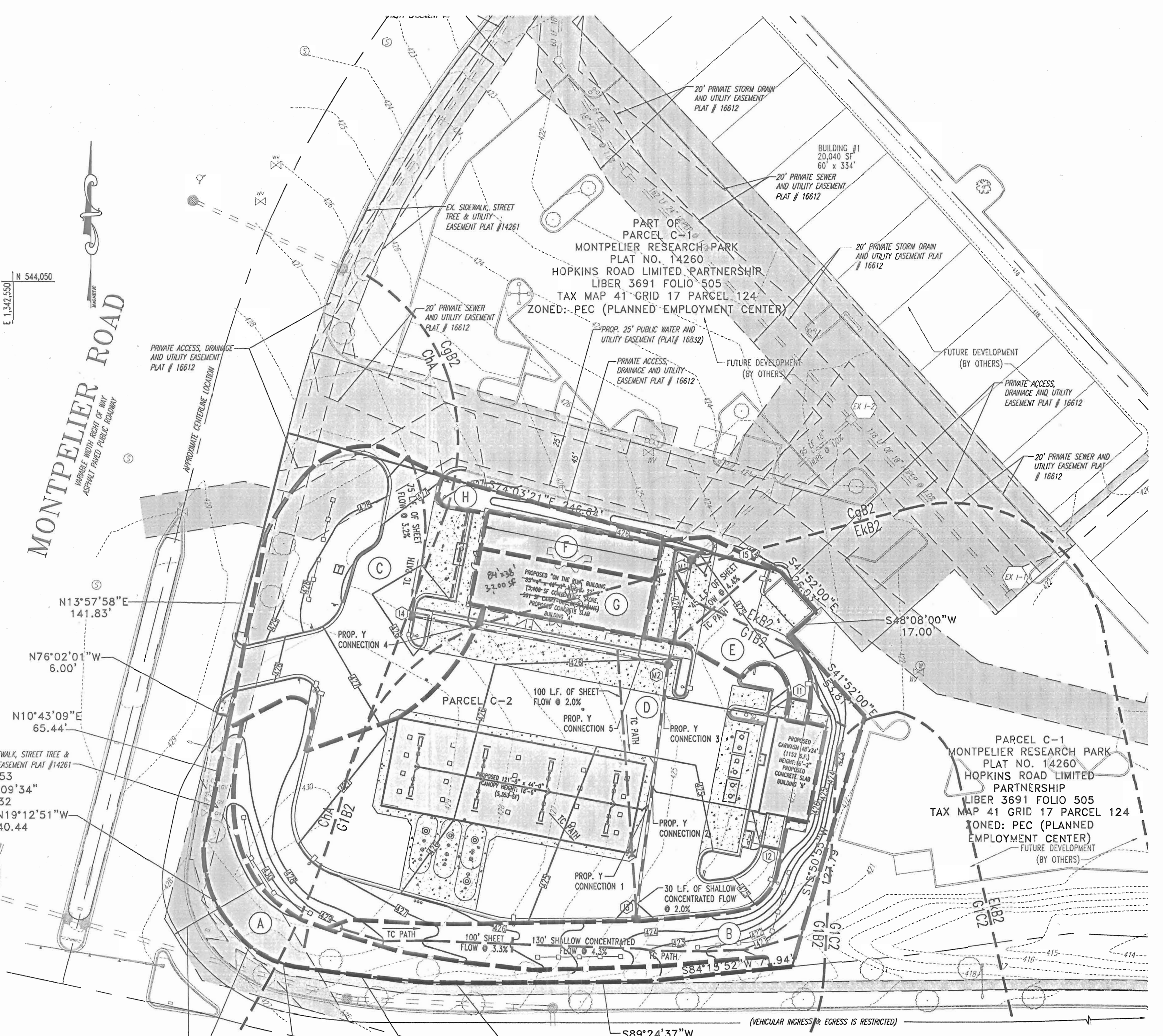
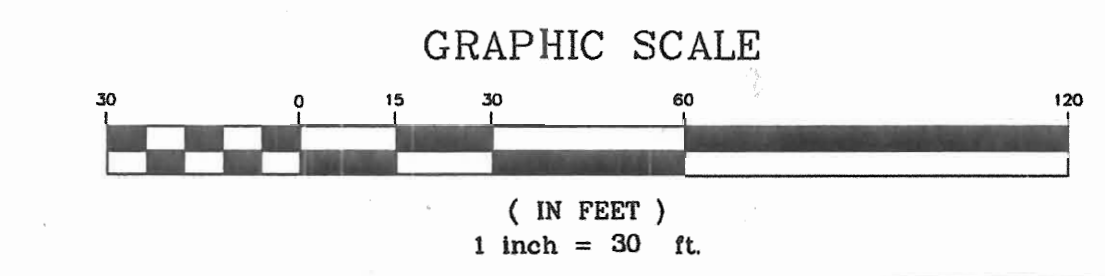
E 1,342.550
 N 543.650

R=46.00
 $\Delta=33'21'25"$
 L=26.78
 CHB=N49°50'55"W
 CHD=26.40

R=46.00
 $\Delta=13'01'31"$
 L=10.46
 CHB=N73°02'09"W
 CHD=10.43

R=952.66
 $\Delta=3'55'08"$
 L=65.16
 CHB=N83°12'06"W
 CHD=65.15

R=879.93
 $\Delta=1'42'47"$
 L=26.19
 CHB=N89°44'12"W
 CHD=26.18



DRAINAGE AREA 'A'
 TOTAL BYPASS AREA: 3,472 S.F. OR 0.079 AC.
 C PERVIOUS = 0.21
 ZONE: PEC
 Tc= 5.0min. = .083hrs.
 100% PERVIOUS SOIL
 2 YEAR PEAK DISCHARGE = 0.13cfs
 10 YEAR PEAK DISCHARGE = 0.31cfs

DRAINAGE AREA 'B'
 TOTAL BYPASS AREA: 6,904 S.F. OR 0.158 AC.
 C PERVIOUS = 0.21
 ZONE: PEC
 Tc= 11.63min. = 0.19hrs.
 100% PERVIOUS SOIL
 2 YEAR PEAK DISCHARGE = 0.20cfs
 10 YEAR PEAK DISCHARGE = 0.49cfs

DRAINAGE AREA 'C' (DA TO I4)
 TOTAL AREA: 11,988 S.F. OR 0.27 AC.
 TOTAL PERVIOUS AREA: 5,232 OR 0.12 AC.
 TOTAL IMPERVIOUS AREA: 6,756 S.F. OR 0.15 AC.
 C PERVIOUS = 0.20
 C IMPERVIOUS = 0.86
 WETTED 'C' FACTOR = 0.56
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 56% IMPERVIOUS SURFACE
 44% PERVIOUS SOIL
 REFER TO SD COMPS

DRAINAGE AREA 'D' (DA TO I3)
 TOTAL AREA: 23,908 S.F. OR 0.55 AC.
 TOTAL PERVIOUS AREA: 3,736 OR 0.086 AC.
 TOTAL IMPERVIOUS AREA: 20,172 S.F. OR 0.463 AC.
 C PERVIOUS = 0.20
 C IMPERVIOUS = 0.86
 WETTED 'C' FACTOR = 0.75
 ZONE: PEC
 Tc= 5.11min. = 0.085hrs.
 84% IMPERVIOUS SURFACE
 16% PERVIOUS SOIL
 REFER TO SD COMPS

DRAINAGE AREA 'E'
 TOTAL AREA: 3,692 S.F. OR 0.084 AC.
 TOTAL IMPERVIOUS AREA = 3,692 S.F. OR 0.084 AC.
 C PERVIOUS = 0.85
 WETTED 'C' FACTOR = 0.85
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% IMPERVIOUS SURFACE

DRAINAGE AREA 'F' (DA TO M1)
 TOTAL AREA: 1,530 S.F. OR 0.035 AC.
 TOTAL PERVIOUS AREA: 1,530 S.F. OR 0.035 AC.
 C PERVIOUS = 0.86
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% IMPERVIOUS SURFACE
 REFER TO SD COMPS

DRAINAGE AREA 'G' (DA TO M2)
 TOTAL AREA: 2,125 S.F. OR 0.048 AC.
 TOTAL IMPERVIOUS AREA = 2,125 S.F. OR 0.048 AC.
 C PERVIOUS = 0.86
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% IMPERVIOUS SURFACE
 REFER TO STORMDRAIN COMPS

DRAINAGE AREA 'H'
 TOTAL AREA: 1,950 S.F. OR 0.04 AC.
 TOTAL PERVIOUS AREA = 1,950 S.F. OR 0.04 AC.
 C PERVIOUS = 0.20
 ZONE: PEC
 Tc= 5.0min. = 0.083hrs.
 100% PERVIOUS SURFACE
 REFER TO SD COMPS

SOILS LEGEND
 ChA - CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES
 CgB2 - CHESTER GRAVELLY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 G1B2 - GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 G1C2 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED

LEGEND
 --- SOIL BOUNDARY
 --- DRAINAGE DIVIDE
 --- TC PATH

Redline Revision #2
 Revise the convenience store / quick serve restaurant from 3,997 SF to a 3,200 SF convenience store, with no quick serve restaurant.



6-6-05, for Redline Revision #2.

Redline Revision #3
 Revision Duplicates Adding Contract Numbers to E.Y. Water & Sewer Lines And Changed Address as shown.



8/18/05
 For Redline Revision #3

MISS UTILITY



BEFORE YOU DIG CALL
 1-800-251-7771
 PROTECT YOURSELF, SAVE TIME, AND AVOID COSTLY MISTAKES.

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 REGULATIONS THEREOF APPROPRIATE.
 THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 CHIEF-DIVISION & LAND DEVELOPMENT
 DIRECTOR

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

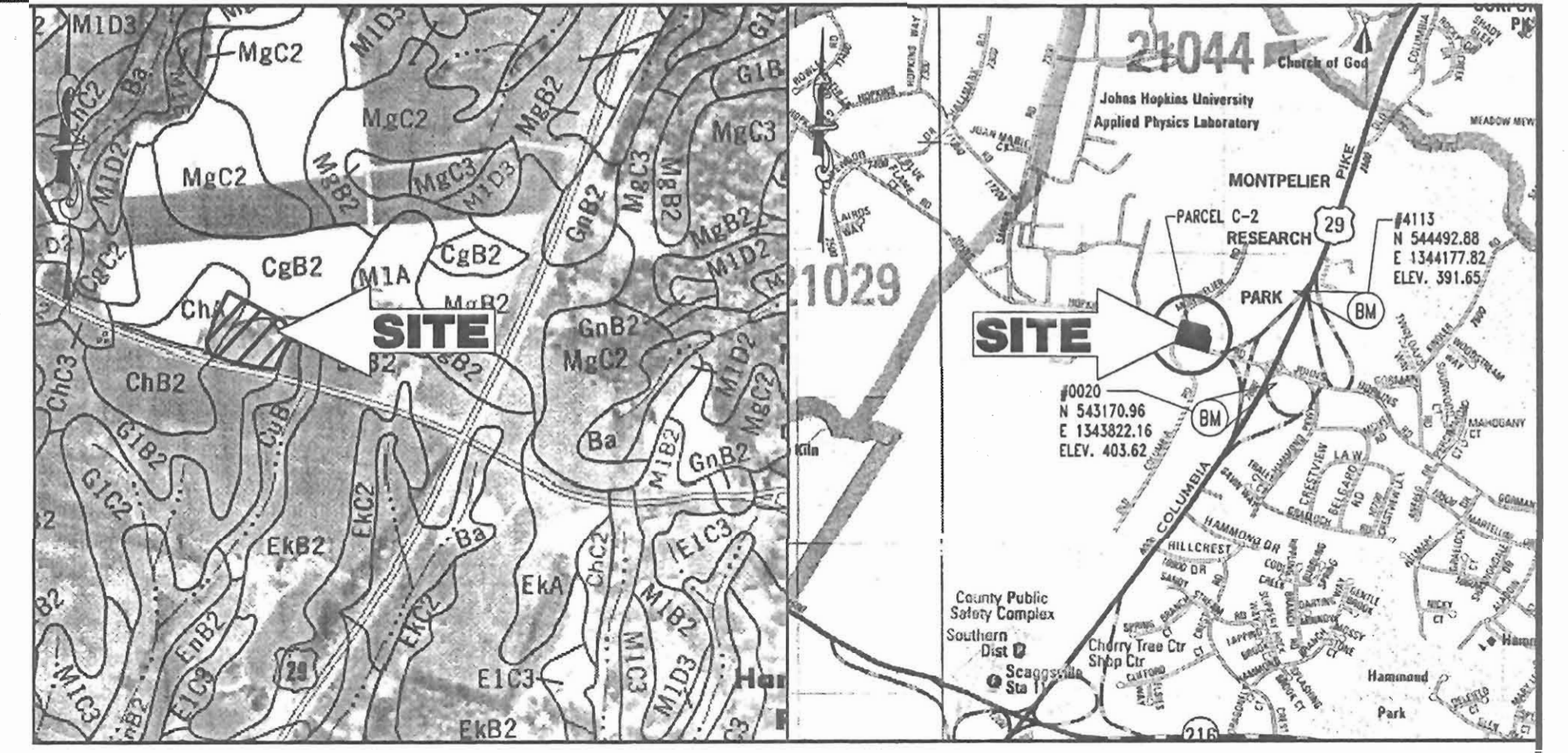
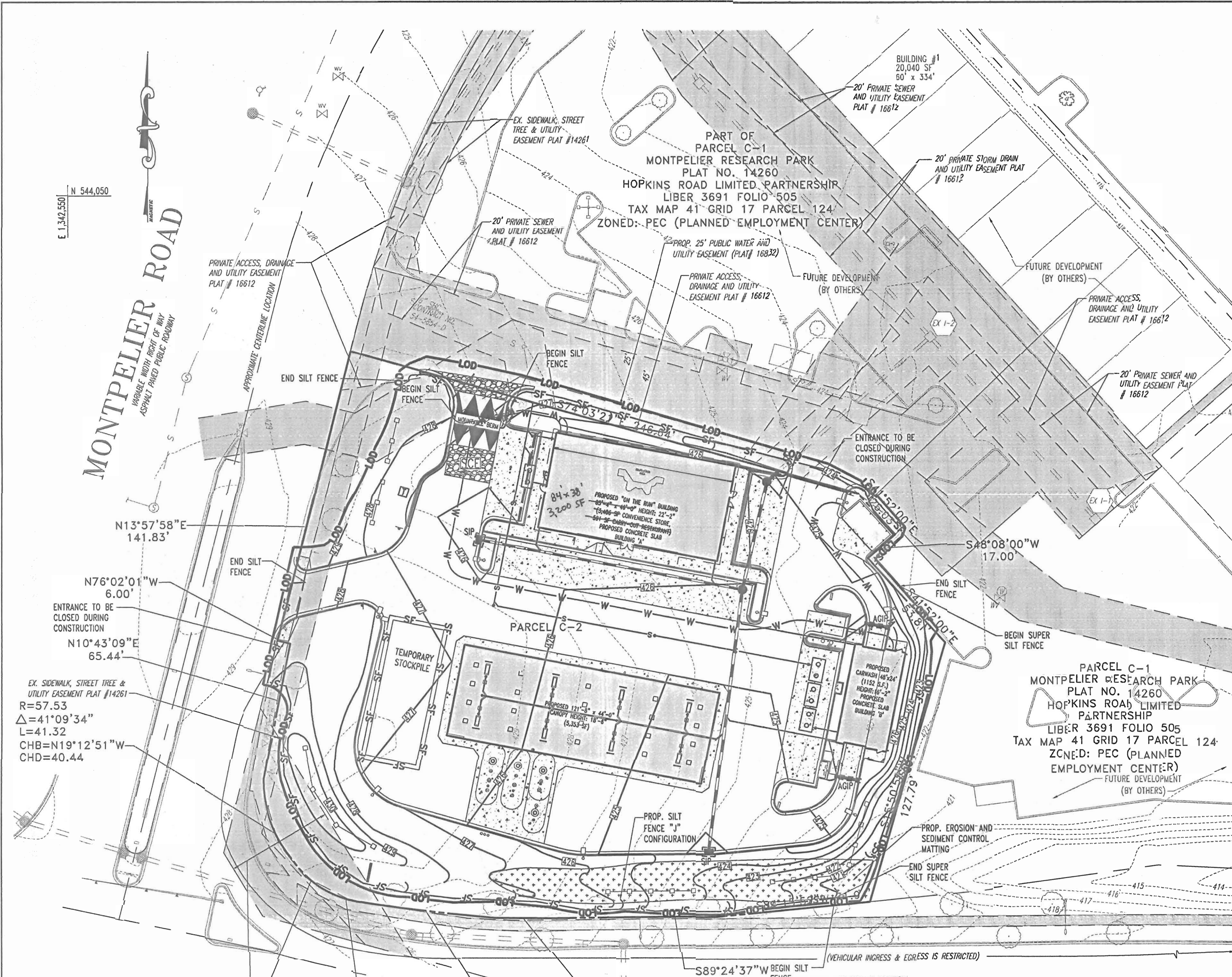
NO.	DATE	REVISION DESCRIPTION
2	6/6/05	Revised to a 3,200 SF STORE.
3	8/18/05	Revised Address & Added Utility Cont. #'s

OWNER	HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	DEVELOPER	EXXON MOBIL CORPORATION C/O TRAMEL CROW COMPANY 3225 CALLOWS ROAD, ROOM 5W218 FAIRFAX, VA 22037
PROJECT	EXXON MOBIL PROPOSED EXXON GAS STATION		
AREA	TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND	TITLE DRAINAGE AREA MAPS	

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 #610 GLENELGES COURT, SUITE 300, TOWSON, MD 21286
 (410) 251-7800 FAX (410) 251-7801

DESIGNED BY:	J.J.U.
DRAWN BY:	R.L.R.
PROJECT NO.:	MD034006
DATE:	2/17/04
SCALE:	
DRAWING NO.:	9 OF 17

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. 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.



SOILS MAP
SCALE: 1"=500'
SOIL NOTES
C114 - CHESTER SILT LOAM, 0 TO 3 PERCENT SLOPES
C992 - CHESTER GRAY/BLACK SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
C192 - GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
C12 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED

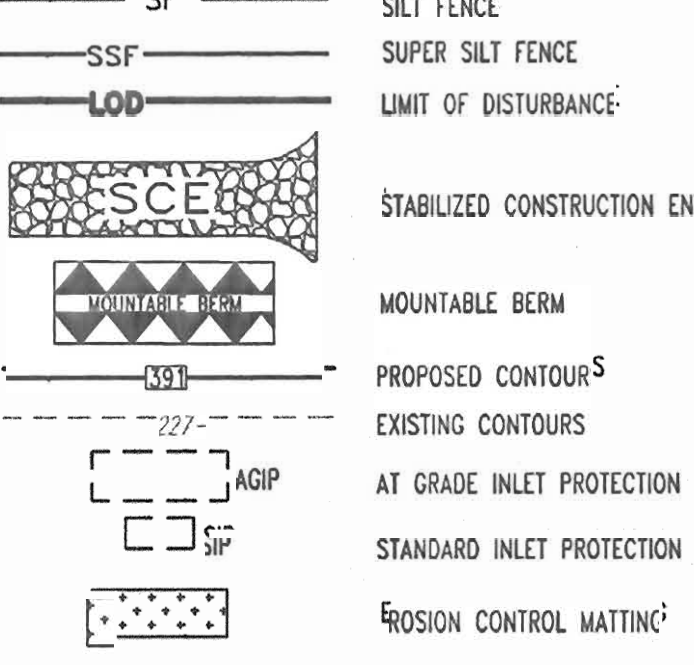
LOCATION MAP
COPYRIGHT ADD THE MAP PEOPLE
PERMIT USE NO. 20694276
SCALE: 1"=2000'

BENCHMARK INFORMATION!
HOWARD COUNTY BENCHMARK NO. 0020 ELEVATION: 403.62 N 343170.36 E 343822.16
HOWARD COUNTY BENCHMARK NO. 4113 ELEVATION: 391.62 N 344492.88 E 344177.82

SEQUENCE OF CONSTRUCTION

- OBTAIN HOWARD COUNTY GRADING PERMIT.
- NOTIFY HOWARD COUNTY SEDIMENT CONTROL INSPECTOR PRIOR TO ANY LAND DISTURBANCE AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION.
- INSTALL ALL SILT FENCE AND SUPER SILT FENCE AS INDICATED ON PLANS (1 WEEK)
- INSTALL STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM (1 DAY)
- ROUGH GRADE SITE (1 WEEK)
- COMPLETE INSTALLATION OF ROOF STORM DRAIN SYSTEM AND ON SITE UTILITIES, INCLUDING UNDERGROUND FUEL STORAGE TANKS (2 WEEKS)
- INSTALL CURB AND GUTTER (3 WEEKS)
- CONSTRUCT CONVENIENCE STORE, PUMP ISLANDS, AND CANOPY (8 WEEKS)
- INSTALL PAVING BASE COURSE (2 WEEKS)
- INSTALL PAVING SURFACE COURSE (1 WEEK)
- FINE GRADE AND STABILIZE REMAINING SITE (2 WEEKS) (SEE NOTE)
- INSTALL LANDSCAPING (2 WEEKS)
- REMOVE ALL SEDIMENT CONTROL MEASURES AFTER RECEIVING APPROVAL FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR (1 WEEK)

EROSION AND SEDIMENT CONTROL LEGEND



ESTIMATE OF SEDIMENT CONTROL QUANTITIES!

SILT FENCE: 834 LF
SUPER SILT FENCE: 150 LF
AT GRADE INLET PROTECTION: 2 EA
STANDARD INLET PROTECTION: 2 EA
STABILIZED CONSTRUCTION ENTRANCE: 1 EA

NOTE: THESE QUANTITIES ARE FOR SEDIMENT CONTROL USE ONLY. CONTRACTOR SHALL NOT RELY ON THESE QUANTITIES FOR ESTIMATING AND BIDDING PURPOSES.

SITE ANALYSIS DATA

- TOTAL SITE AREA: 1.509 AC. OR 65,723 S.F.
- TOTAL DISTURBED AREA: 1.57 AC. OR 68,441 S.F.
- TOTAL IMPERVIOUS AREA: 0.96 AC. OR 41,834 S.F.
- AREA TO VEGETATIVELY STABILIZED: 0.49 AC. OR 21,106 S.F.
- EARTHWORK: (TO SUBGRADE)
CUT - 2,500 C.Y.
FILL - 990 C.Y.

NOTE: THESE QUANTITIES ARE FOR SEDIMENT CONTROL USE ONLY. CONTRACTOR SHALL NOT RELY ON THESE QUANTITIES FOR ESTIMATING AND BIDDING PURPOSES.

Redline Revision #2
Revise the convenience store/grocery serve restaurant from 3,997 SF to a 3,200 SF convenience store, with a no quick service restaurant.



6-6-05, For Redline Revision #2.

JOHNS HOPKINS ROAD
(STATE ROADS COMMISSION OF MARYLAND PLAT NO. 41267 AND 55255)
(VEHICULAR INGRESS & EGRESS IS RESTRICTED FROM U.S. ROUTE 29 TO MONTPELIER ROAD)
WHOLE WITH RIGHT OF WAY ASPHALT PAVED PUBLIC ROADWAY

Redline Revision #3
Revision Includes Adding Contract Numbers to Ex. Water & Sewer Lines And Changed Address As Shown.

Reviewed for **HOWARD** S.C.D. Name and meets Technical Requirements Date **10-7-04** Signature **Jim Meyer** USDA, NATURAL RESOURCES CONSERVATION SERVICE

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

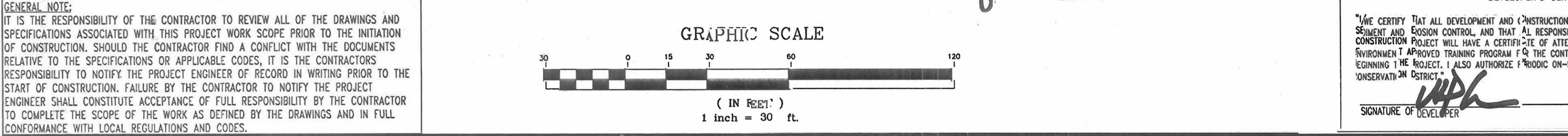
Approved **Johnathan 10-7-04** Howard S.C.D. Date

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

Signature of Engineer: **Adam J. Volant** P.E. Date: **9/3/04**

DEVELOPER'S CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT 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 SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PRODUCTION ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature of Developer: **WPK** Date: **9-8-04**



GENERAL NOTE:
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MISS UTILITY



BEFORE YOU DIG CALL 1-800-287-7777
PROG. YOURSELF, ONE TWO HOURING DATES NOW!

THIS DRAWING DOES NOT INCLUDE NECESSARY COMMENTS FOR CONSTRUCTION SAFETY. ALL CONSTRUCTION MUST BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND ALL LOCAL AND FEDERAL REGULATIONS THEREOF APPLICABLE.

THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2ND MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXON MOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION	BOOK #	ZONING	ELECT. DIST.
16832	17	PEC	5
WATER CODE		SWER CODE	
E21		5440000	

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Johnathan 10/7/04 DATE
CHIEF-DEVELOPMENT ENGINEERING DIVISION
Chris Harman 10/22/04 DATE
CHIEF-DIVISION & LAND DEVELOPMENT
David Kuyler 10/26/04 DATE
DIRECTOR

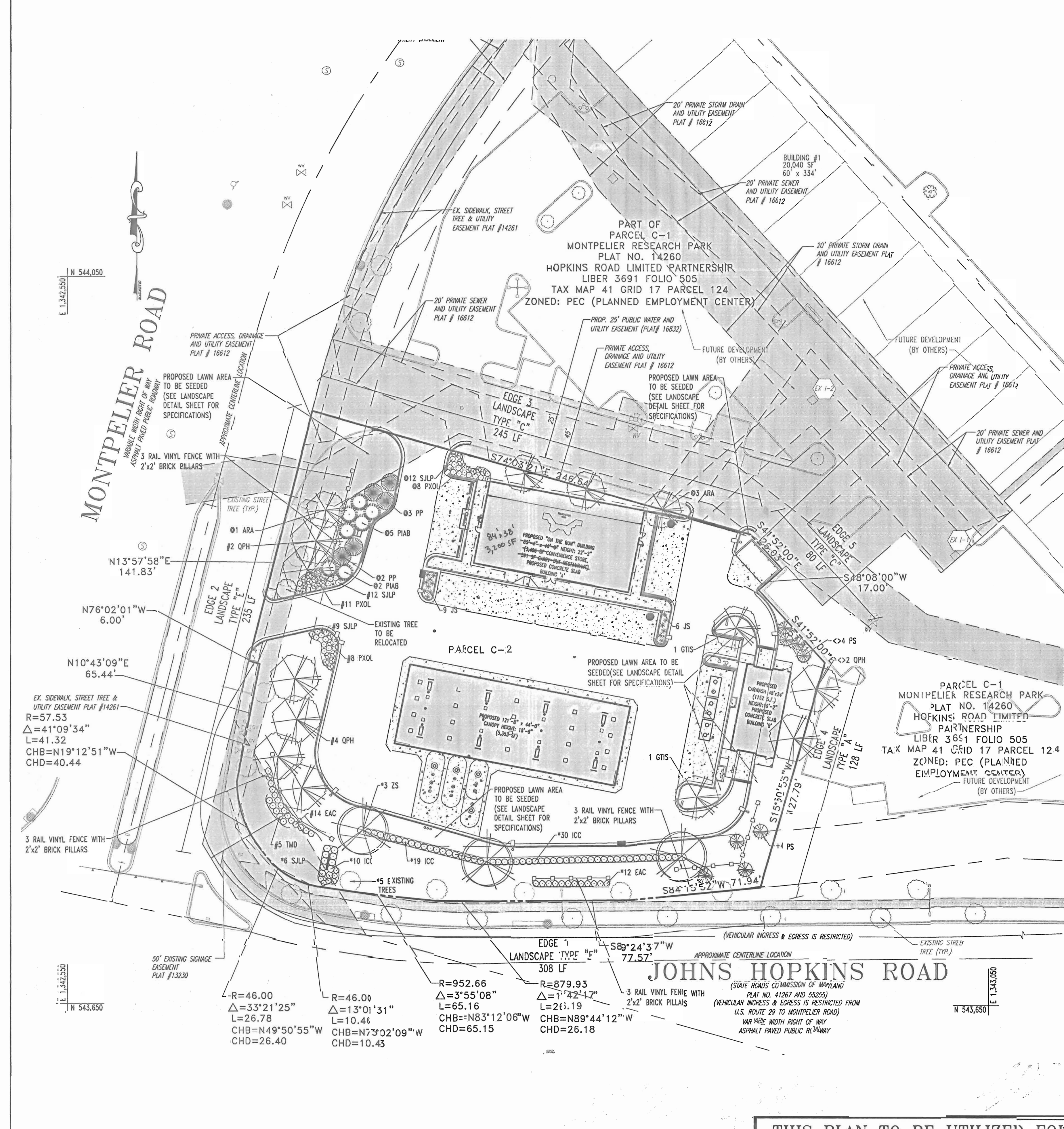
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
Johnathan 10/7/04 DATE
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
1	6-6-05	Revised to a 3,200 SF store
2	8/11/05	Revised Address to Added Util. to Cont. #1's

OWNER	DEVELOPER
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037

BOHLER ENGINEERING, P.C.
Professional Engineering Services
8110 GLENAGLES COURT, SUITE 300, TOWSON, MD 21286
(410) 851-7800 FAX (410) 851-7881 | info@bohlere.com

DESIGNED BY: J.J.U.
DRAWN BY: R.L.B.
PROJECT NO.: MD034006
DATE: 2/17/04
SCALE:
DRAWING NO. 10 OF 17



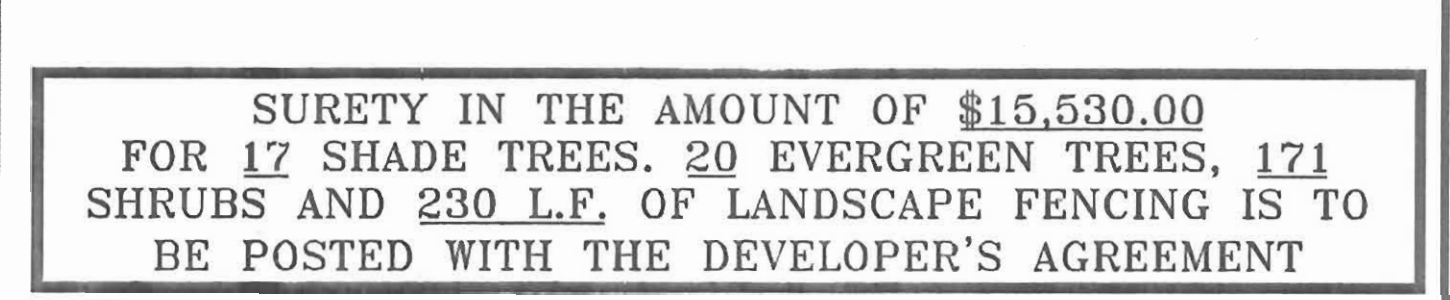
**SCHEDULE A
PERIMETER LANDSCAPE EDGE**

PERIMETER	LANDSCAPE TYPE	PERIMETERS LESS CREDIT	LANDSCAPE CALCULATIONS
EDGE 1	TYPE "E"	308 LF	1:40 SHADE TREES 1:4 SHRUBS REQUIRED: 308/40= 7.7 OR 8 TREES 308/4= 77 SHRUBS PROPOSED: 5 EXISTING SHADE TREES 3 ZS, 59 ICC, 6 SLP, AND 12 EAC. * INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 2	TYPE "E"	235 LF	1:40 SHADE TREES 1:4 SHRUBS REQUIRED: 235/40= 5.8 OR 6 SHADE TREES 235/4= 58.75 OR 59 SHRUBS PROPOSED: 6 QPH, 19 PXOL, 21 SLP, 14 EAC, AND 5 TWD # INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 3	TYPE "C"	245 LF	1:40 SHADE TREES 1:20 EVERGREEN TREES REQUIRED: 245/40= 6.1 OR 6 SHADE TREES 245/20= 12.25 OR 12 EVERGREEN TREES PROPOSED: 4 ARA, 7 PIAB, 5 PP, 12 SLP, AND 8 PXOL (IN SUBSTITUTION FOR 2 SHADE TREES) # INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 4	TYPE "A"	128 LF	1:80 SHADE TREES REQUIRED: 128/ 60= 2.1 OR 2 TREES PROPOSED: 4 PS IN PLACE OF 2 SHADE TREES + INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT
EDGE 5	TYPE "C"	80 LF	1:40 SHADE TREES 1:20 EVERGREEN TREES REQUIRED: 80/ 40= 2 SHADE TREES 80/ 20= 4 EVERGREEN TREES PROPOSED: 2 QPH AND 4 PS # INDICATES PLANT MATERIAL UTILIZED TO MEET THIS REQUIREMENT

LANDSCAPE SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREE(S)	4	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG COLUMNAR RED MAPLE	2 1/2" CAL. MIN.	B+B
ARA	4	OLEA FRAXINIFOLIA 'VIRENS'	SHADEMASTER HONOLULU	2 1/2" CAL. MIN.	B+B
QPH	8	QUERCUS PHAEOLUS	WILLOW OAK	2 1/2" CAL. MIN.	B+B
ZS	3	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	2 1/2" CAL. MIN.	B+B
EVERGREEN TREE(S)	7	PICEA ABIES	NORWAY SPRUCE	6-8" MIN.	B+B
PIAB	27	PICEA PUNGENS	COLORADO SPRUCE	6-8" MIN.	B+B
PP	5	PRUNUS STROBUS	STERN WHITE PINE	6-8" MIN.	B+B
EVERGREEN SHRUB(S)	59	ILEX CRENATA 'COMPACT'	COMPACT JAPANESE HOLLY	24-30"	#5 CAN
PRUNUS LAUROCEASUS 'VITO LUTKEN'	5	OTTO LUTKEN CHERRY LAUREL	24-30" MIN.	#5 CAN	
TAXUS X MEDIA 'DENSIFORMIS'	31	DENSIFORMIS YEW	24-30" MIN.	B+B	
DECIDUOUS SHRUB(S)	26	EVONYMUS ALATUS 'COMPACTUS'	DIWAR WINGED LUNANTHUS	30-38" MIN.	#5 CAN
SPIREA JAPONICA 'LITTLE PRINCESS'	39	LITTLE PRINCESS SPIREA	24-30" MIN.	B+B	
ROUND COVER	15	JUNIPERUS CHINENSIS VAR. SARGENTII	SARGENT JUMPER	15-18" SPDR.	#3 CAN

NOTE: IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.



**SURETY IN THE AMOUNT OF \$15,530.00
FOR 17 SHADE TREES, 20 EVERGREEN TREES, 171
SHRUBS AND 230 L.F. OF LANDSCAPE FENCING IS TO
BE POSTED WITH THE DEVELOPER'S AGREEMENT**

**SCHEDULE B
PARKING LOT INTERNAL LANDSCAPING**

NUMBER OF PARKING SPACES	31
NUMBER OF TREES REQUIRED	31/20 SPACES = 1.5 OR 2
NUMBER OF LANDSCAPED ISLANDS REQUIRED	31/20 SPACES = 1.5 OR 2
NUMBER OF TREES PROVIDED: SHADE TREES	2
LANDSCAPED ISLANDS	2

TRANSPLANTING NOTES

CONTRACTOR TO ENSURE THAT THE ROOT MASS OF ALL TRANSPLANTS ARE INTACT. THE ROOT BALL OF ALL TREES AND SHRUBS SHALL BE BALLED AND RIPLAPPED UPON REMOVAL FROM PRESENT LOCATION. CONTRACTOR TO STOCKPILE AND PROTECT ALL TRANSPLANT MATERIAL UNTIL IT IS TIME TO REPLANT. PLANTS SHALL BE MAINTAINED BY WATERING, FERTILIZING, PRUNING AND ANY OTHER METHODS TO KEEP PLANTS IN HEALTHY CONDITION. ALL TRANSPLANTS ARE GUARANTEED FOR A PERIOD OF ONE YEAR FROM FINAL COMPLETION. ANY TRANSPLANTS THAT DIE DURING THAT PERIOD WILL BE REPLACED TO THE CORRECT SIZE AND SPECIES AT THE CONTRACTOR'S EXPENSE.

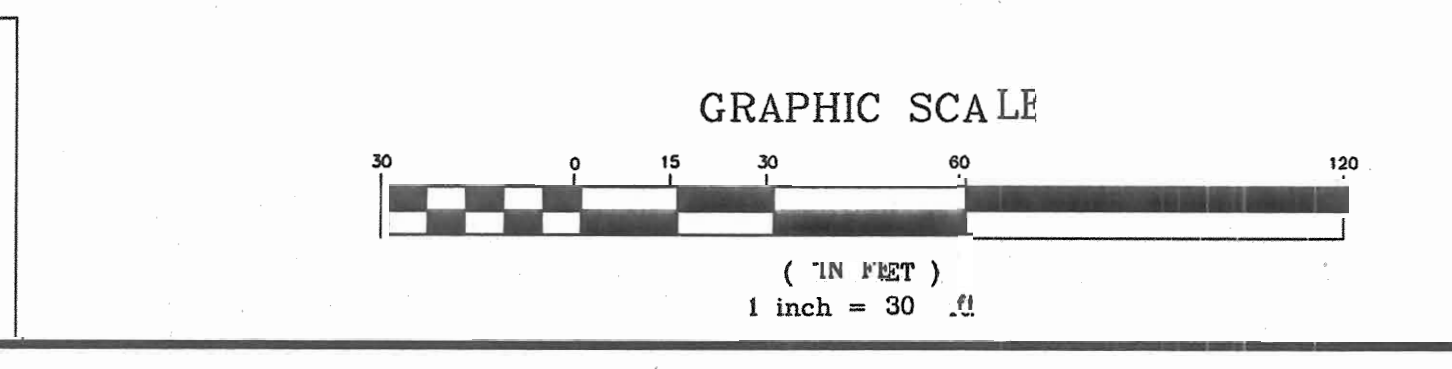
Redline Revision #2
Revise the convenience store/quick serve restaurant from 3,997 SF to a 3,200 SF convenience store with no quick serve restaurant.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF-DEVELOPMENT ENGINEERING DIVISION
10/22/04
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
10/18/04

DEVELOPER'S/BUILDER'S CERTIFICATE
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
DATE: 9-8-04
DATE: 9/3/04

EXXON MOBIL
PROPOSED EXXON GAS STATION
TAX MAP 41 BLOCK 17 ZONED PEC
MONTPELIER RESEARCH PARK PARCEL 124
ELECTION DISTRICT 5
HOWARD COUNTY, MARYLAND
LANDSCAPE PLAN

GENERAL NOTE:
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**THIS PLAN TO BE UTILIZED FOR
LANDSCAPE PURPOSES ONLY**

**REFERENCE DETAIL SHEET FOR
LANDSCAPE NOTES AND SPECIFICATIONS**

MISS UTILITY
BE ONE YOU DIG CALL 1-800-997-7777
PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

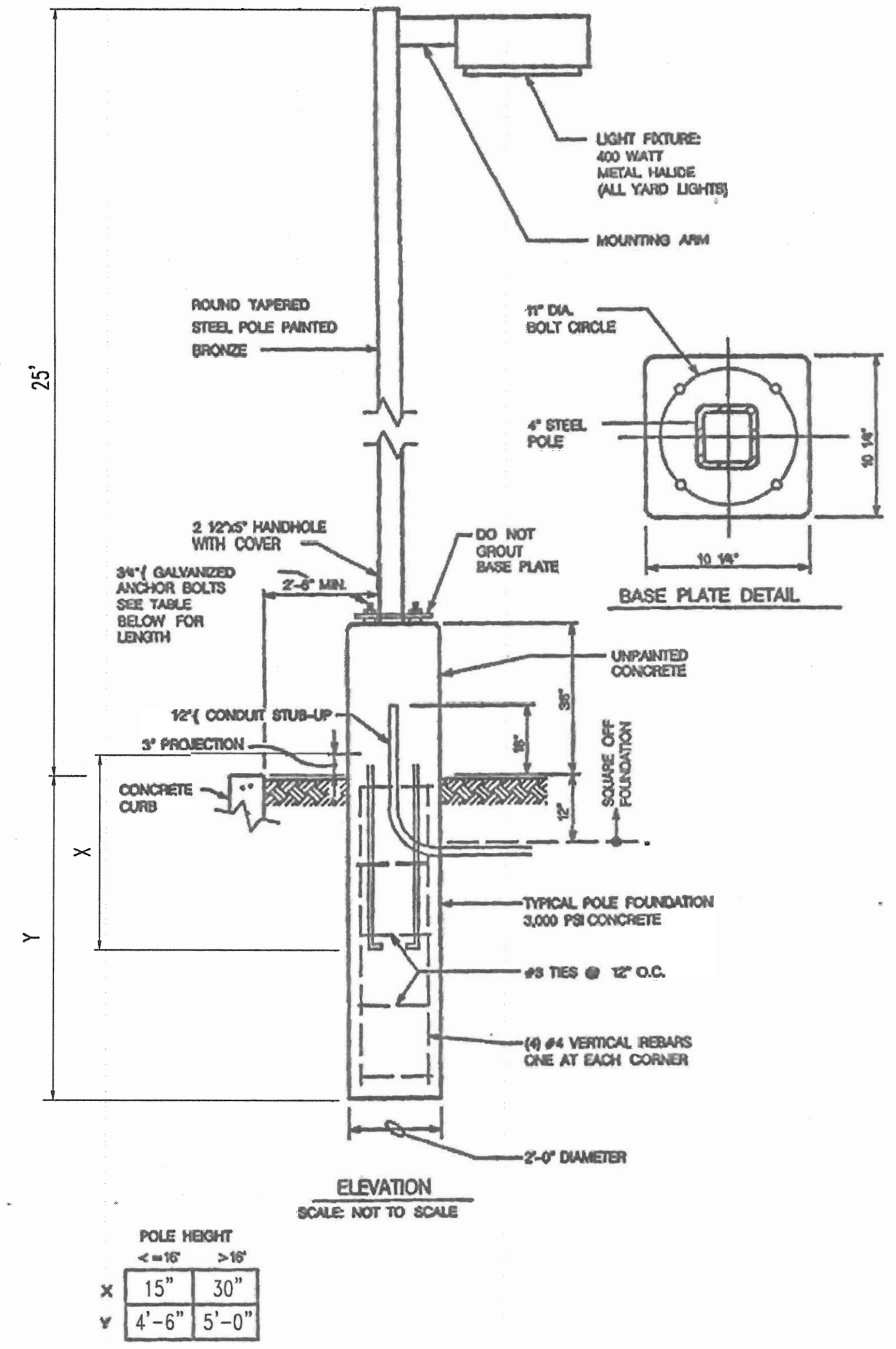
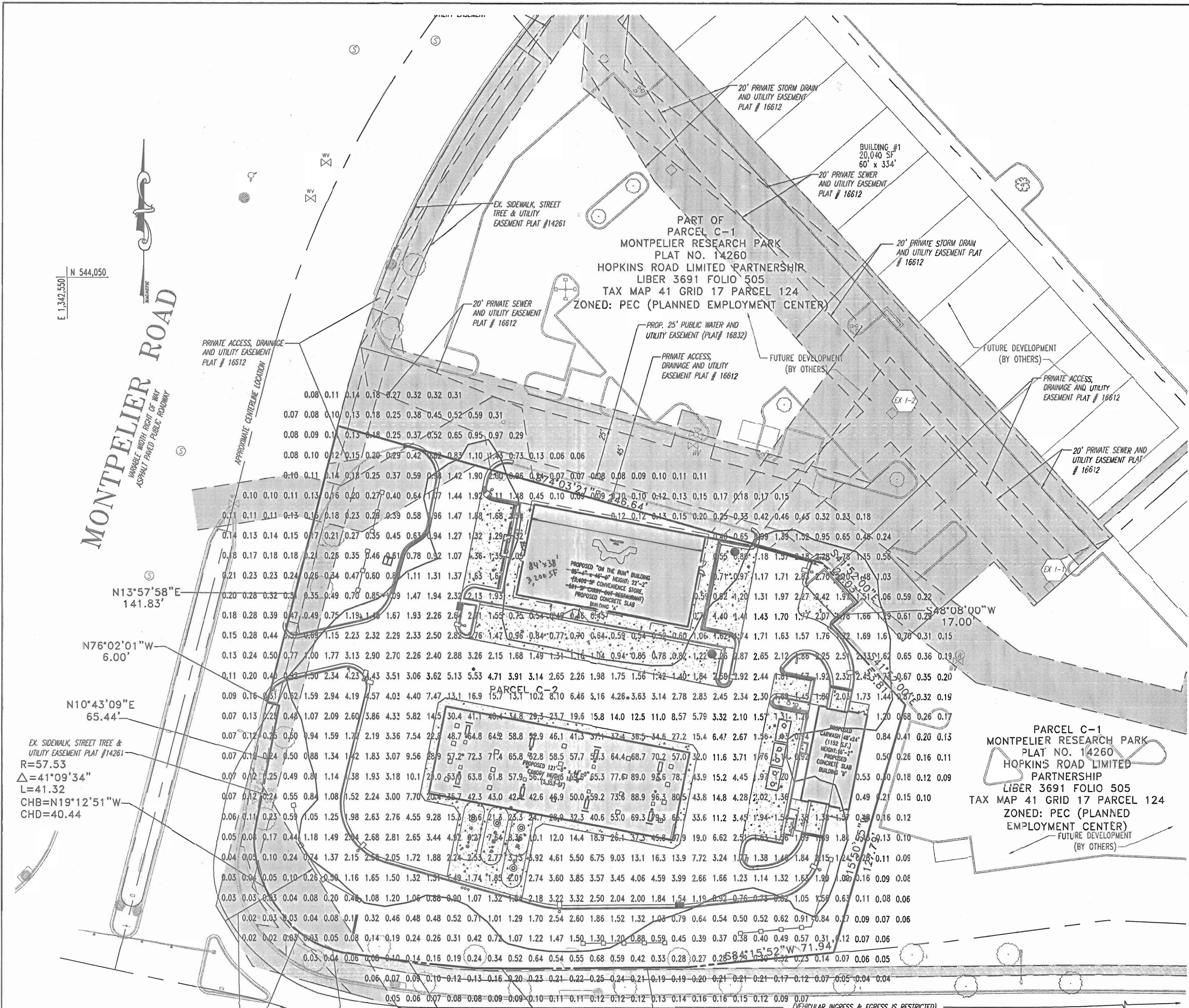
ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7,570 3660 MONTPELIER ROAD

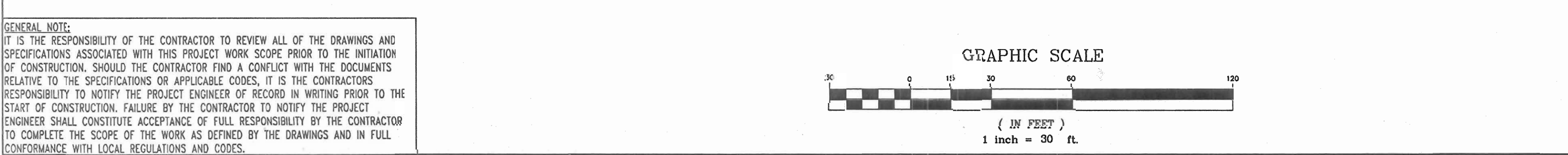
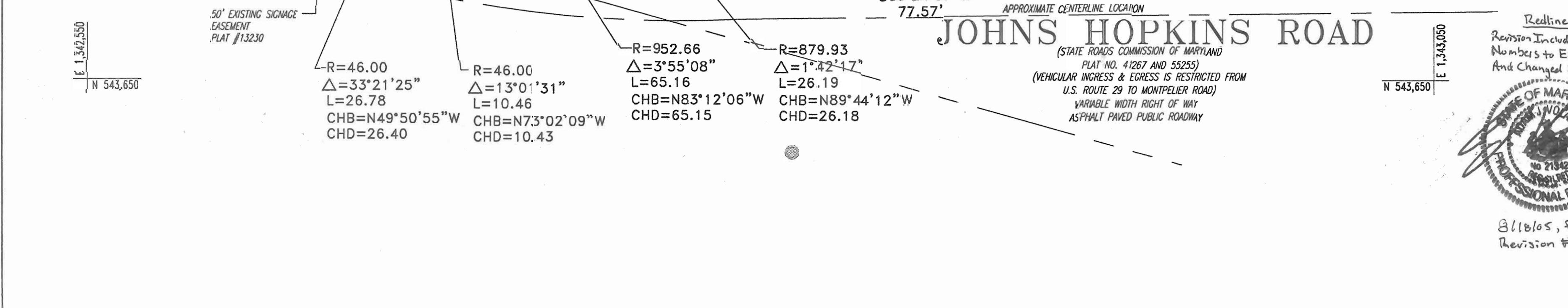
PERMIT INFORMATION CHART

PROJECT NAME	ECTION/AREA	LOT/PARCEL #
EXXON MOBIL GAS STATION	N/A	C2/124
PLAT RECORDATION (BLOCK/P)	ZONING	TAX MAP NO.
1682	17	PEC
WATER CODE	41	ELT. DIST.
		5
		CE/PLAT TRAC
		6051.02
		SEWER CODE
		8440000

BOHLER ENGINEERING, P.C.
DESIGNED BY: J.J.U.
DRAWN BY: R.L.B.
PROJECT NO.: M034006
DATE: 2/17/04
SCALE:
DRAWING NO. 12 OF 17



TYPICAL YARD LIGHT DETAIL - ECOLUME BY EMCO OR APPROVED EQUAL
FURNISHED AND INSTALLED BY GENERAL CONTRACTOR



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.

Redline Revision #3
 Revision Includes Adding Contract Numbers to Ex. Water & Sewer Lines And Changed Address As Shown.

8/1/05, for Redline Revision #3

Redline Revision #2
 Revise the convenience store/quick serve restaurant from 3,997 SF to a 3,200 SF convenience store, with no quick serve restaurant.

6-6-05, for Redline Revision #2



BEFORE YOU DIG CALL
 1-800-955-7777
 PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2906 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLA RECORDATION BLOCK#	ZONING	TAX MAP NO.	ELECT. DISTR.
1682	17	41	5
WATER CODE	SEWER CODE		
			644000

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature]
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 DATE: 10/23/04

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 [Signature]
 CHIEF-DIVISION & LAND DEVELOPMENT
 DATE: 10/28/04

APPROVED: COUNTY HEALTH OFFICER
 [Signature]
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 10/28/04

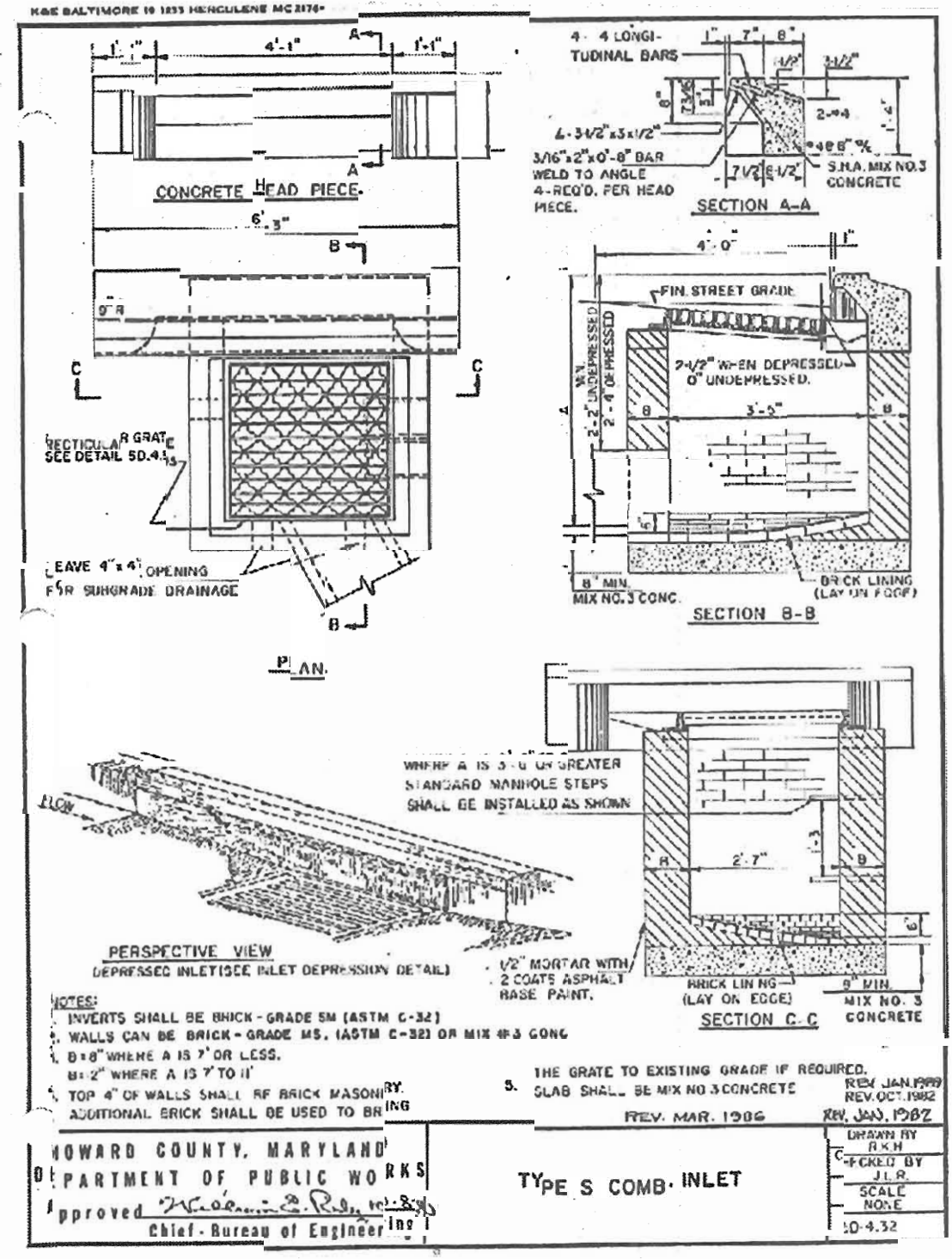
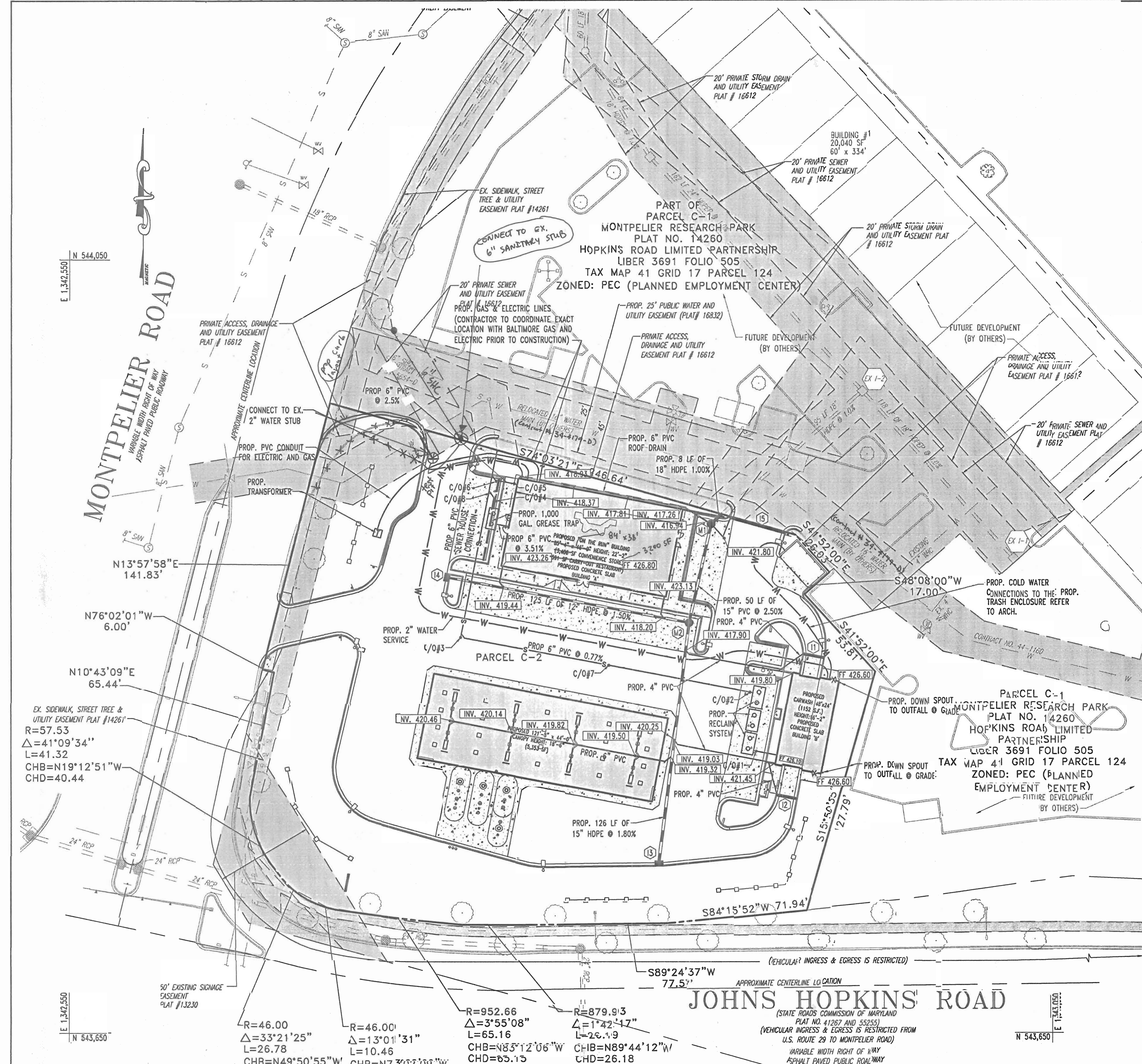
NO.	DATE	REVISION DESCRIPTION
2	6-1-05	Revised to a 3,200 SF store
3	8/1/05	Revised Address & Added utility cont. #3

OWNER	DEVELOPER
HOPKINS ROAD LIMITED PARTNERSHIP 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055	EXXON MOBIL CORPORATION C/O TRAMMEL CROW COMPANY 3225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037

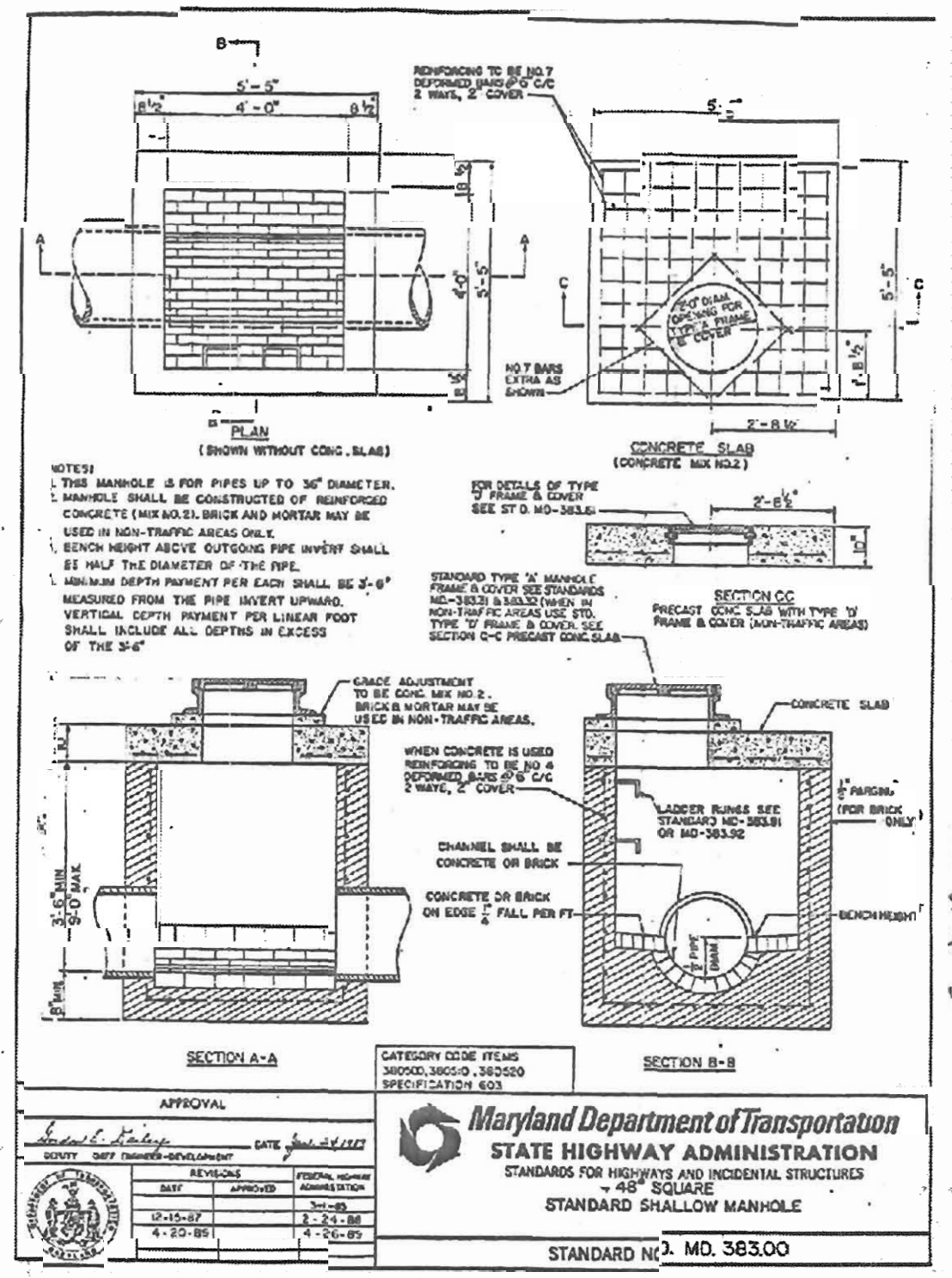
PROJECT	EXXON MOBIL PROPOSED EXXON GAS STATION
AREA	TAX MAP 41 BLOCK 17 ZONING PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 4110 CHENNESTER COURT, SUITE 300, TOWSON, MD 21286
 (410) 821-7900 FAX (410) 821-7907 | www.bohlereng.com

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 14 OF 17



- UTILITY NOTES:**
1. LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICES CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST POINTS. CROSSINGS WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 2. A MINIMUM VERTICAL SEPARATION OF 12" SHALL BE MAINTAINED BETWEEN SANITARY SEWER LINES AND STORM LINES OR WATER LINES. IF THIS MINIMUM CLEARANCE CANNOT BE MAINTAINED, A CONCRETE ENCASUREMENT SHALL BE PROVIDED.
 3. EXISTING UTILITIES HAVE BEEN SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND ALLOW FOR THEIR LOCATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE DONE DUE TO HIS NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED AT HIS EXPENSE.
 4. ALL EXCAVATIONS THAT ARE DEEPER THAN 5 FEET SHOULD BE PROPERLY SLOPED OR OTHERWISE STRUCTURALLY RETAINED TO PROVIDE STABLE AND SAFE WORKING CONDITIONS. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS CALL FOR MINIMUM SLOPES OF 1H:1V. OSHA REQUIREMENTS MUST BE FOLLOWED AND ADEQUATE PROTECTION PROVIDED FOR WORKERS.
 5. ANY SEDIMENT CONTROL MEASURES REMOVED FOR THE PURPOSE OF UTILITY CONSTRUCTION SHALL BE REPLACED AT THE END OF THE DAY BY THE UTILITY CONTRACTOR.
 6. ALL STORM DRAIN, WATER, SEWER AND PRODUCT PIPING UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS FOR UTILITY CONSTRUCTION, AND CLIENT SPECIFICATIONS.
 7. SANITARY CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE IDENTIFIED AS SANITARY CLEANOUTS, THREADED, AND CONTAIN COUNTERSINK PLUGS.
 8. WATER SERVICES SHALL HAVE A MINIMUM 3.5 FOOT COVER OVER CROWN OF PIPE.
 9. WATER SERVICE SHALL BE TYPE "K" COPPER TUBING. SANITARY SEWER PIPE SHALL BE SDR 35 PVC. CERTAIN SECTIONS OF THE SERVICES REQUIRE SPECIAL PIPE TYPES WHICH ARE NOTED ON THE PLAN.
 10. WATER AND SEWER SERVICES SHALL BE COORDINATED WITH THE BUILDING CONTRACTOR FOR HORIZONTAL AND VERTICAL ALIGNMENT AND CONNECTIONS.
 11. PROPOSED 2" WATER METER SHALL BE LOCATED INSIDE THE BUILDING.



CLEANOUT SCHEDULE

C/O NO.	TYPE	INV.	TOP ELEV.
1	SANITARY	422.75	425.40
2	SANITARY	422.69	425.40
3	SANITARY	421.54	426.50
4	SANITARY	421.16	426.28
5	SANITARY	421.42	426.79
6	SANITARY	420.81	426.25
7	SANITARY	422.11	425.50
8	SANITARY	420.95	426.30

PIPE SCHEDULE

SIZE	DESCRIPTION	LENGTH
2"	COPPER TYPE K	494 LF
4"	SCHEDULE 40 PVC	176 LF
6"	SCHEDULE 40 PVC	533 LF
12"	HDPE	125 LF
15"	HDPE	170 LF
18"	HDPE	8 LF

NOTE: GREASE TRAP TO SERVE KITCHEN ONLY

Redline Revision #2
 Revise the convenience store/quick serve restaurant from 3,997 SF to a 3,200 SF convenience store with no quick serve restaurant.



JOHNS HOPKINS ROAD

(STATE ROADS COMMISSION OF MARYLAND PLAT NO. 14267 AND 55255)
 (VEHICULAR INGRESS & EGRESS IS RESTRICTED FROM U.S. ROUTE 29 TO MONTEPELIER ROAD)
 VARIABLE WIDTH RIGHT OF WAY ASPHALT PAVED PUBLIC ROADWAY

STRUCTURE SCHEDULE

STRUCTURE NO.	DESCRIPTION	INV. IN	INV. IN	INV. IN	INV. OUT	TOP ELEV.
I1	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	424.30	425.90
I2	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	424.00	425.80
I3	HOWARD COUNTY STD. SD4.32	-	-	-	419.55	423.70
I4	HOWARD COUNTY STD. SD4.32	-	-	-	419.51	425.70
M 1	MARYLAND STATE HIGHWAY STD. 383.00	15" 416.04	6" 416.94	6" 421.50	415.94	425.50
M 2	MARYLAND STATE HIGHWAY STD. 383.00	15" 417.39	12" 417.64	-	417.29	426.00
I5	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	422.00	VARIABLE

CONTRACTOR TO TEST PIT LOCATIONS FOR VERIFICATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION



BEFORE YOU DIG CALL 800-357-7777
 PROTECT YOURSELF, GIVE TWO WEEKS NOTICE

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2600 MONTEPELIER ROAD

PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.
EXXON MOBIL GAS STATION	N/A	C2/124

PLAT REVISION: 1683; 2
 BLOCK: 1
 ZONING: PEC
 TAX MAP NO. 41
 ELECT. DIST. 3
 CENSUS TRACT 0051.02
 WATER CODE E21
 S.W.E.R. CODE 640.3000

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 CHIEF-DIVISION & LAND DEVELOPMENT
 DIRECTOR

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

PROJECT
 EXXON MOBIL
 PROPOSED EXXON GAS STATION

AREA
 TAX MAP 41 BLOCK 17 ZONED PEC
 MONTEPELIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE
 UTILITY PLAN

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 #110 CLARENCE COURT, SUITE 300, TOWSON, MD 21286
 (410) 821-7800 FAX (410) 821-7807 | boller@boller.com

DESIGNED BY: J.W.
 DRAWN BY: L.B.
 PROJECT NO.: M0334006
 DATE: 2/17/04
 SCALE:
 PROFESSIONAL ENGINEER NO. 21342
 DRAWING NO. 7 OF 17

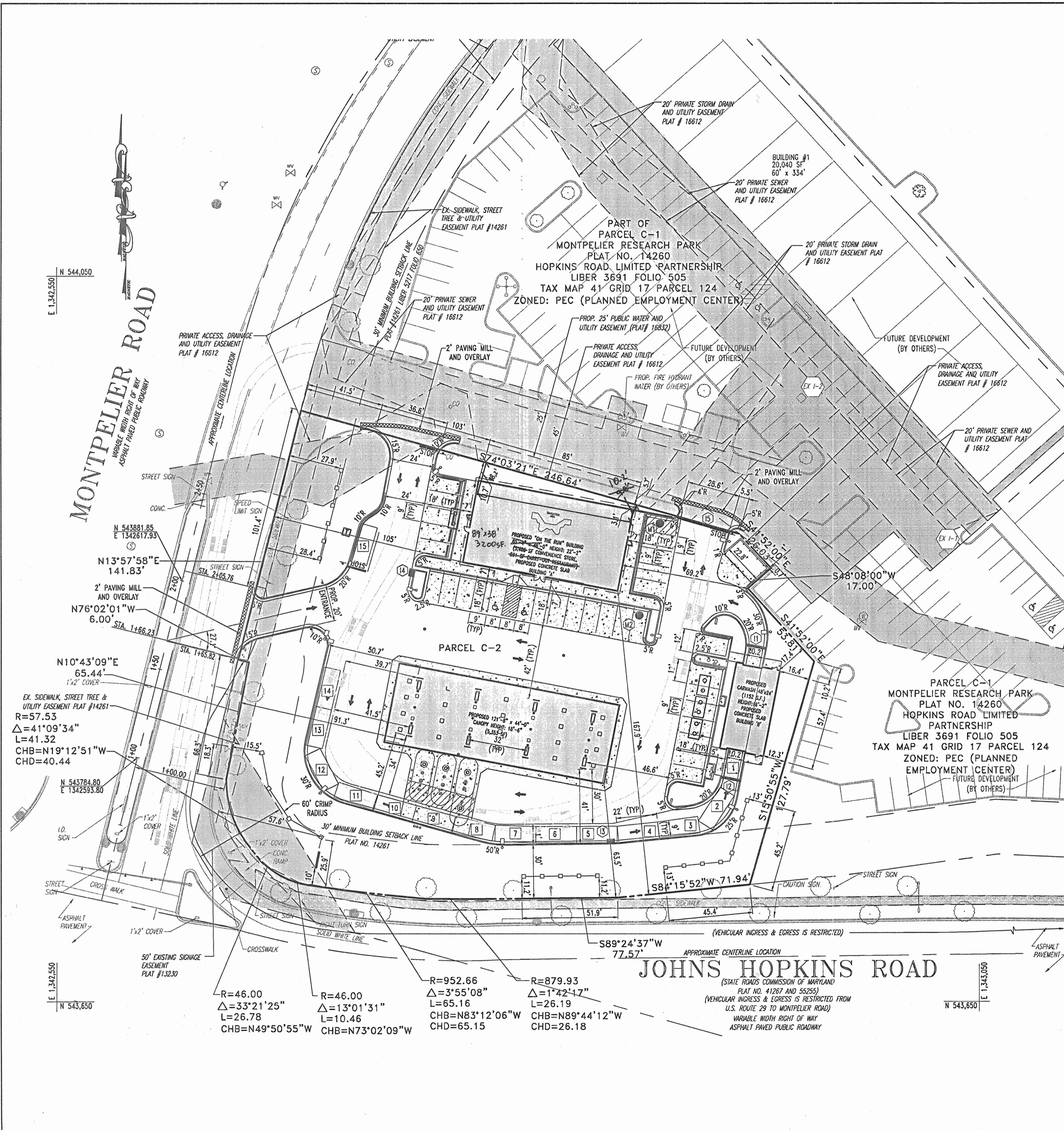
GENERAL NOTE:
 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THIS PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR APPLICABLE CODES, IT IS 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.

Redline Revision #1
 REVISION INCLUDES SHIFTING 2" WATER CONNECTION STUB APPROX 5' N-E, SHIFTING THE SANITARY SEWER STUB APPROX. 20' S-W, AND REVISIONING THE ENTRANCE CURB LAYOUT AS SHOWN.

Redline Revision #2
 Revision Includes Adding Contract Numbers to Ex. Water & Sewer Lines, And Changed Address as Shown.

Redline Revision #3
 Revision Includes Adding Contract Numbers to Ex. Water & Sewer Lines, And Changed Address as Shown.

GRAPHIC SCALE
 (IN FEET)
 1 inch = 30 feet



GENERAL NOTES:

- UNLESS OTHERWISE NOTED, ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST HOWARD COUNTY PLUMBING CODE AND DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND DETAILS. IN CASE OF CONFLICT OR DISCREPANCY, THE PLUMBING CODE SHALL APPLY.
- EXISTING SITE FEATURES AND UTILITIES SHOWN HAVE BEEN BASED UPON SURVEYS AND OTHER SOURCES BELIEVED TO BE RELIABLE. THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION SHOWN IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 A MINIMUM OF THREE WORKING DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN, REPAIR, AND/OR REPLACE ANY EXISTING SEDIMENT CONTROL DEVICES ENCOUNTERED AND DISTURBED DURING THE COURSE OF CONSTRUCTION. AT THE END OF EACH DAY, ALL MEASURES AND DEVICES SHALL BE REPAIRED OR REPLACED BEFORE LEAVING THE WORK SITE.
- CONSTRUCTION SHALL FOLLOW THE SEQUENCE OF CONSTRUCTION ON THE APPROVED EROSION AND SEDIMENT CONTROL DRAWING.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS.
- THE CONTRACTOR SHALL MAINTAIN TRAFFIC AT ALL TIMES.
- NUMERICALLY WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- UNLESS OTHERWISE NOTED, DIMENSIONS FROM CURB ARE MEASURED AT FACE OF CURB.
- REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.
- ALL GRADING AND EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S REPORT PREPARED BY GEO-TECHNOLOGY ASSOCIATES, INC. DATED 06/18/2003. AND INSPECTED BY A GEOTECHNICAL ENGINEER.
- FINISHED GRADES SHALL FALL AWAY FROM EXISTING AND PROPOSED BUILDINGS AT A MINIMUM OF 1/4 INCH PER FOOT FOR VEGETATED AREAS AND A MINIMUM OF 1/8 INCH PER FOOT FOR PAVED AREAS UNLESS OTHERWISE INDICATED.
- CONSTRUCTION OF SUBGRADE, UNDERDRAINS, AND PAVING SHALL BE INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
- THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES. AS NECESSARY, REPORT ANY DISCREPANCIES FROM THE PLANS TO BOHLER ENGINEERING, P.C. ALL UTILITIES SHALL BE RETAINED UNLESS LABELED OTHERWISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST AND WORK REQUIRED TO ADJUST EXISTING AND PROPOSED UTILITIES AND APPURTENANCES TO FINISH GRADES WITHIN THE LIMITS OF WORK. DAMAGE TO EXISTING CONDITIONS AND UTILITIES SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL HAVE ALL PRIVATE UTILITIES LOCATED PRIOR TO ANY CONSTRUCTION.
- EXISTING UTILITIES WHICH ARE NOT TO BE REMOVED OR ABANDONED SHALL REMAIN OPERATIONAL AT ALL TIMES. APPROPRIATE EXISTING UTILITIES SHALL REMAIN IN SERVICE UNTIL REPLACEMENT/RELOCATED UTILITIES ARE OPERATIONAL. IF ANY INTERRUPTION OF A UTILITY SERVICE IS ANTICIPATED, NOTIFY AFFECTED ACCOUNT HOLDERS IN ACCORDANCE WITH THE GUIDELINES OF THE RESPECTIVE UTILITY COMPANY.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL UTILITIES TO AVOID CONSTRUCTION PROBLEMS/CONFLICTS WITH EROSION AND SEDIMENT CONTROL MEASURES. SEE APPROVED SEDIMENT CONTROL PLAN.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WATER, SEWER, AND DRAIN HOUSE CONNECTIONS WITH THE MECHANICAL DRAWINGS.
- THE CONTRACTOR SHALL MAINTAIN 2.0 FEET MINIMUM COVER OVER ALL UTILITIES DURING CONSTRUCTION.
- ELECTRIC, TELEPHONE, GAS, CABLE, LIGHTING, AND RETAINING WALLS TO BE DESIGNED BY OTHERS. WHERE THOSE FACILITIES ARE SHOWN, THEY ARE FOR COORDINATION PURPOSES ONLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK NOT SPECIFICALLY MENTIONED ON THE PLANS WHICH NORMALLY WOULD BE REQUIRED TO COMPLETE THE PROJECT.
- ALL UTILITY CONNECTIONS ARE TO BE AS PER LOCAL CODE BY GENERAL CONTRACTOR
- GENERAL CONTRACTOR TO PROVIDE CONDUIT & WIRING TO ALL I.D. SIGNS
- UNLESS OTHERWISE NOTED, ALL PAINT TO BE FURNISHED BY GENERAL CONTRACTOR
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND CONSTRUCTION AS SHOWN ON PLANS UNLESS OTHERWISE NOTED.

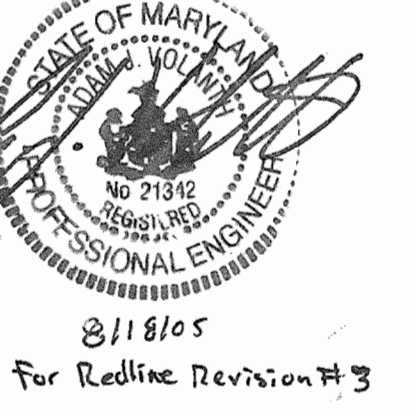
REDLINE REVISION #4
 REVISED THE DIMENSION FROM THE BUILDING TO THE PROPERTY LINE FROM 9.8' TO 10.2'. AS SHOWN

Redline Revision #3
 Revision Includes Adding Contact Number to Ex. Water & Sewer Lines And Changed Address As Shown

Redline Revision #2
 Revise the convenience store/quick serve restaurant from 3,997 SF to a 3,200 SF convenience store, with no quick serve restaurant.



6-6-05, For Redline Revision #2

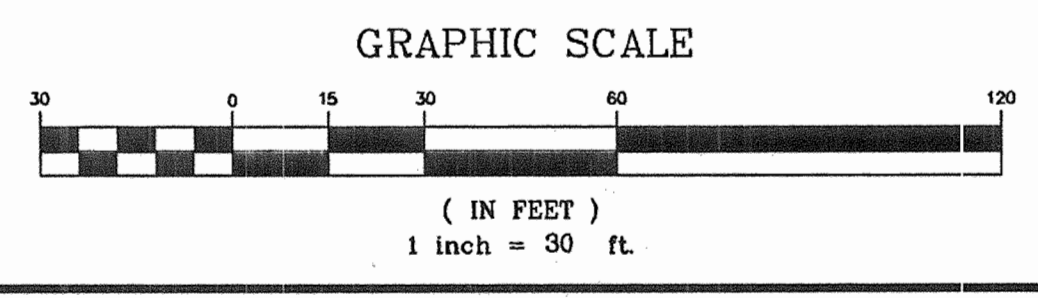


3/1/05 For Redline Revision #3



BEFORE YOU DIG CALL 1-800-257-7777 PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE

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.



APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] 10/13/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
[Signature] 10/22/04
 CHIEF-DIVISION & LAND DEVELOPMENT DATE

APPROVED: COUNTY HEALTH OFFICER
[Signature] 10/20/04
 HOWARD COUNTY HEALTH DEPARTMENT DATE

NO.: DATE REVISION DESCRIPTION
 2 6-6-05 Revised to a 3,200 SF store
 3 8/18/05 Revised Address & Added Utility Cont. #s

OWNER: HOPKINS ROAD LIMITED PARTNERSHIP
 9030 RED BRANCH ROAD SUITE 200 COLUMBIA, MD 21045-2055

DEVELOPER: EXXON MOBIL CORPORATION
 C/O TRAMEL CROW COMPANY 5225 GALLOWAY ROAD, ROOM 5W218 FAIRFAX, VA 22037

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC MONTPELIER RESEARCH PARK PARCEL 124 ELECTION DISTRICT 5 HOWARD COUNTY, MARYLAND

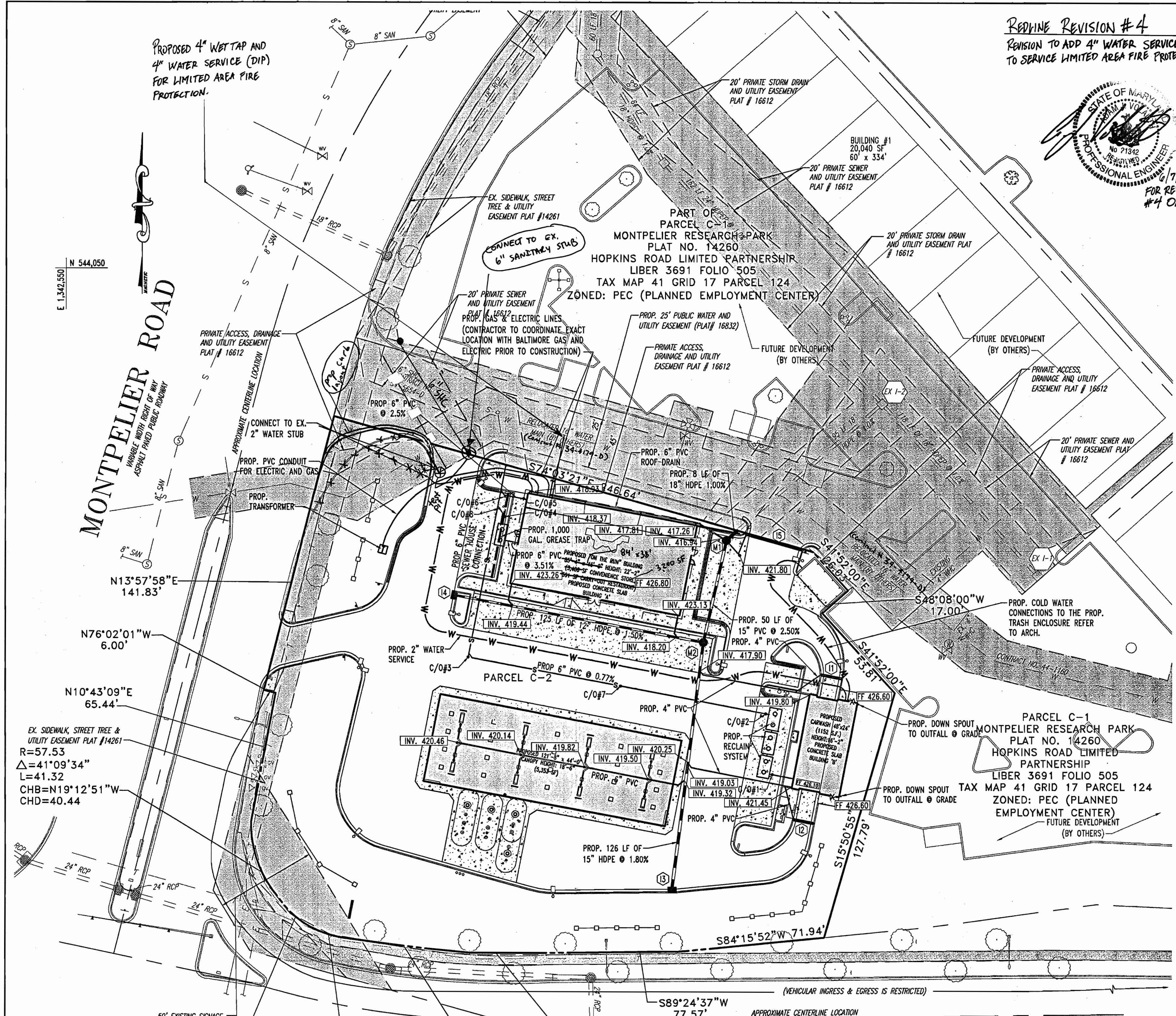
TITLE: DIMENSIONED SITE PLAN

BOHLER ENGINEERING, P.C.
 PROFESSIONAL ENGINEERING SERVICES
 #110 GLENDALES COURT, SUITE 300, TOWSON, MD 21286
 (410) 851-7900 FAX (410) 851-7907

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: MD034006
 DATE: 2/17/04
 SCALE:
 DRAWING NO. 4 OF 17

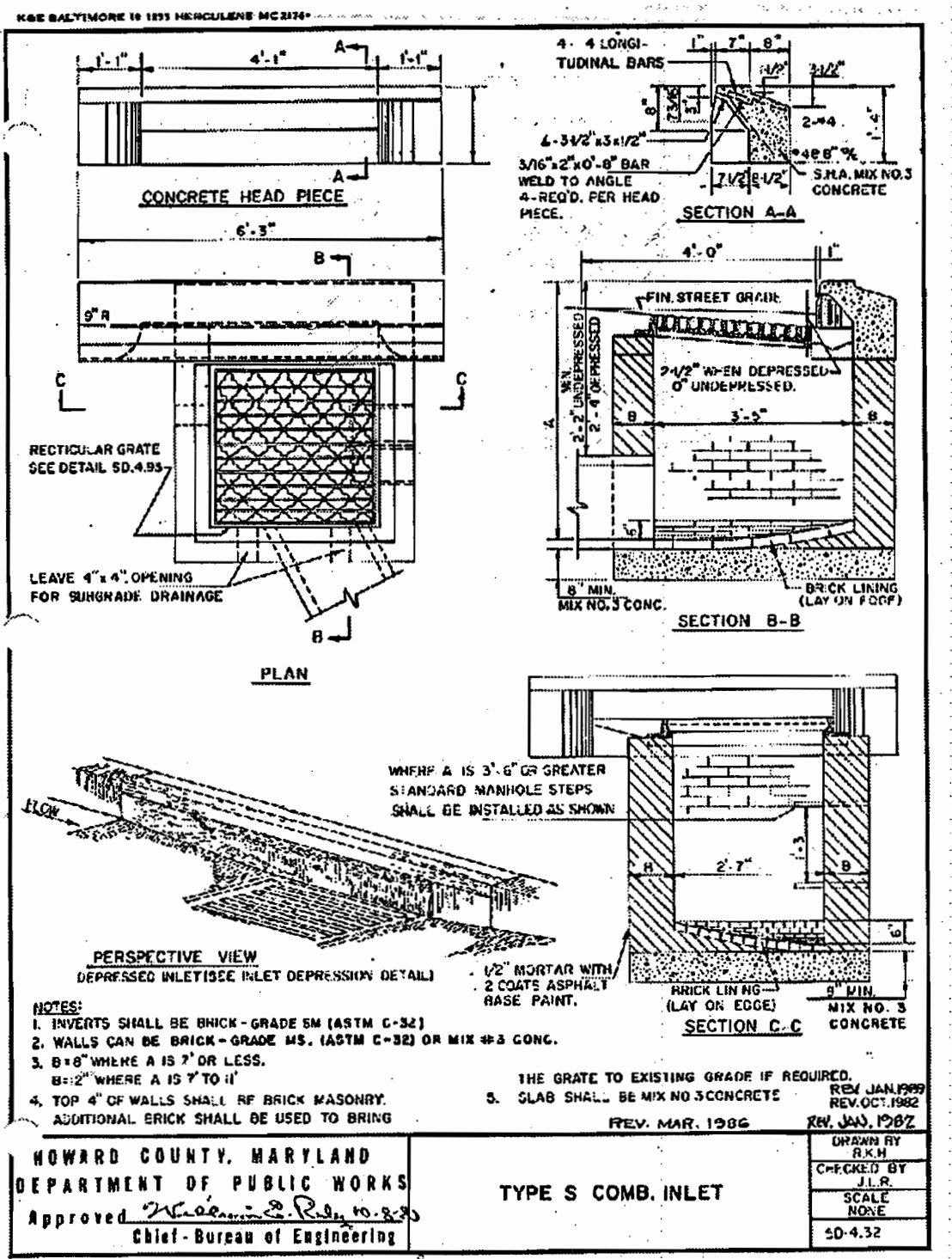
ADDRESS CHART	
LOT/PARCEL #	STREET ADDRESS
C2/124	7570 2500 MONTPELIER ROAD

PERMIT INFORMATION CHART			
PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.	
EXXONMOBIL GAS STATION	N/A	C2/124	
PLAT RECORDATION 16832	BLOCK# 17 ZONING PEC	TAX MAP NO. 41 ELECT. DISTR. 5	CENSUS TRACT 6051.02
WATER CODE E21		SEWER CODE	6440000

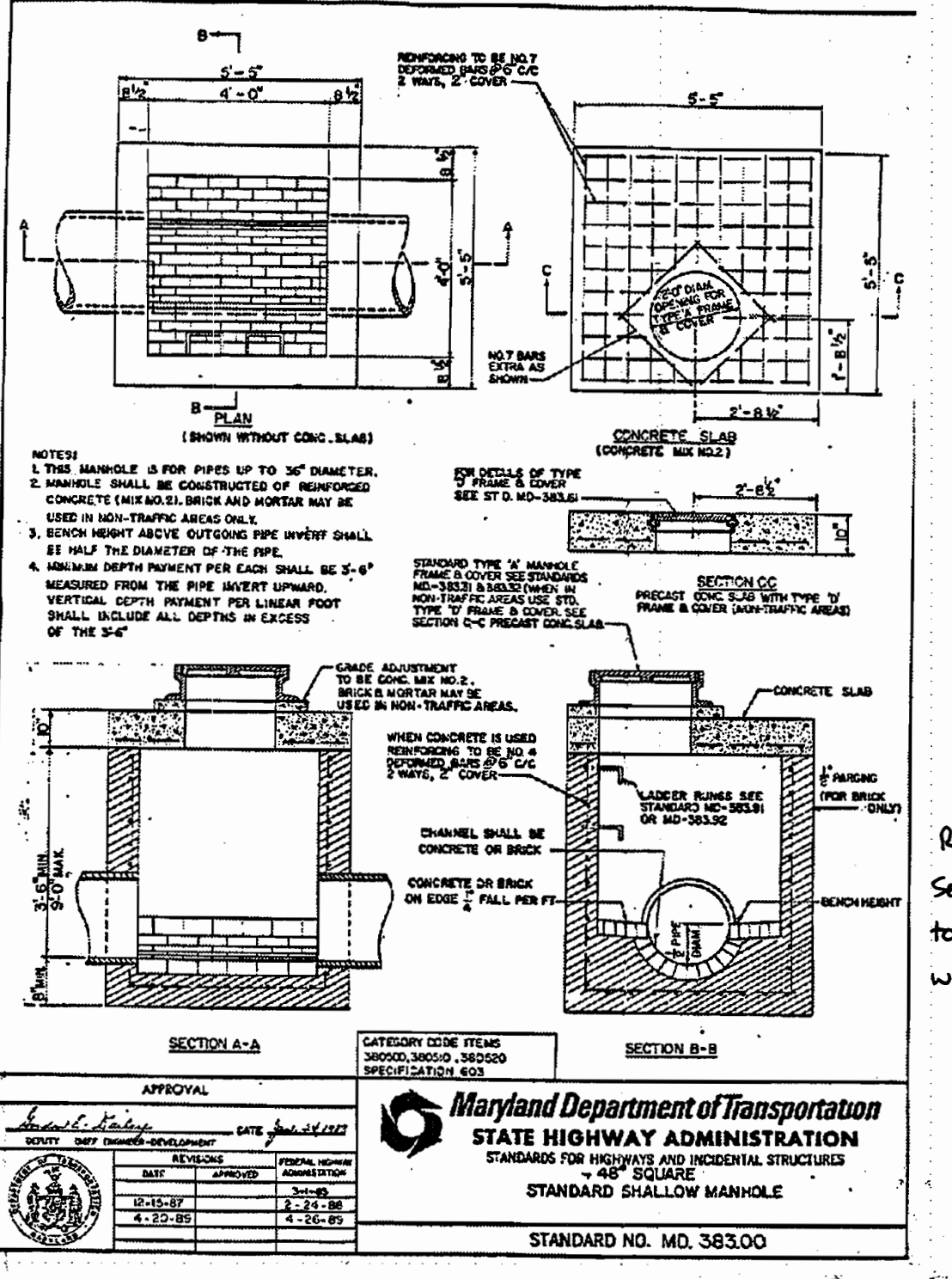


REDLINE REVISION #4
 REVISION TO ADD 4" WATER SERVICE
 TO SERVICE LIMITED AREA FIRE PROTECTION

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 No. 21842
 1/17/06
 FOR REVISION #4 ONLY



- UTILITY NOTES:**
1. LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION. SANITARY SEWER AND ALL OTHER UTILITY SERVICES CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL DISCREPANCIES SHALL BE REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER. CONSTRUCTION SHALL COMMENCE BEGINNING AT THE LOWEST POINTS. CROSSINGS WITH EXISTING UNDERGROUND INSTALLATIONS SHALL BE FIELD VERIFIED BY TEST PIT PRIOR TO COMMENCEMENT OF CONSTRUCTION.
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 4. ALL EXCAVATIONS THAT ARE DEEPER THAN 5 FEET SHOULD BE PROPERLY SLOPED OR OTHERWISE STRUCTURALLY RETAINED TO PROVIDED STABLE AND SAFE WORKING CONDITIONS. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS CALL FOR MINIMUM SLOPES OF 1H:1V. OSHA REQUIREMENTS MUST BE FOLLOWED AND ADEQUATE PROTECTION PROVIDED FOR WORKERS.
 5. ANY SEDIMENT CONTROL MEASURES REMOVED FOR THE PURPOSE OF UTILITY CONSTRUCTION SHALL BE REPLACED AT THE END OF THE DAY BY THE UTILITY CONTRACTOR.
 6. ALL STORM DRAIN, WATER, SEWER AND PRODUCT PIPING UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS FOR UTILITY CONSTRUCTION, AND CLIENT SPECIFICATIONS.
 7. SANITARY CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE IDENTIFIED AS SANITARY CLEANOUTS, THREADED, AND CONTAIN COUNTERSUNK PLUGS.
 8. WATER SERVICES SHALL HAVE A MINIMUM 3.5 FOOT COVER OVER CROWN OF PIPE.
 9. WATER SERVICE SHALL BE TYPE "K" COPPER TUBING. SANITARY SEWER PIPE SHALL BE SDR 35 PVC. CERTAIN SECTIONS OF THE SERVICES REQUIRE SPECIAL PIPE TYPES WHICH ARE NOTED ON THE PLAN.
 10. WATER AND SEWER SERVICES SHALL BE COORDINATED WITH THE BUILDING CONTRACTOR FOR HORIZONTAL AND VERTICAL ALIGNMENT AND CONNECTIONS.
 11. PROPOSED 2" WATER METER SHALL BE LOCATED INSIDE THE BUILDING.



CLEANOUT SCHEDULE

C/O NO.	TYPE	INV.	TOP ELEV.
1	SANITARY	422.75	425.40
2	SANITARY	422.69	425.40
3	SANITARY	421.54	426.50
4	SANITARY	421.16	426.28
5	SANITARY	421.42	426.79
6	SANITARY	420.81	426.25
7	SANITARY	422.11	425.50
8	SANITARY	420.95	426.30

PIPE SCHEDULE

SIZE	DESCRIPTION	LENGTH
2"	COPPER TYPE "K"	494 LF
4"	SCHEDULE 40 PVC	176 LF
6"	SCHEDULE 40 PVC	633 LF
12"	HOPE	125 LF
15"	HOPE	170 LF
18"	HOPE	8 LF

NOTE: GREASE TRAP TO SERVE KITCHEN ONLY

Redline Revision #2
 Revise the convenience store/quick serve restaurant from 3,997 SF to a 3,200 SF convenience store with no quick serve restaurant.

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 No. 21842
 6-6-05, For Redline Revision #2.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 10/21/04
 CHIEF-DEVELOPMENT ENGINEERING DIVISION
 [Signature] 10/22/04
 CHIEF-DIVISION & LAND DEVELOPMENT
 [Signature] 10/20/04
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 [Signature] 10/18/04
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT

NO.	DATE	REVISION DESCRIPTION
1	2-3-05	WATER/SANITARY LOCATIONS
2	6-6-05	Revise Area to 3,200 SF. SDR 35 PVC
3	8/17/05	Revised Address to Adkins Ln. Cont. #3

PROJECT: EXXON MOBIL PROPOSED EXXON GAS STATION
 AREA: TAX MAP 41 BLOCK 17 ZONED PEC
 MONTEPELLIER RESEARCH PARK PARCEL 124
 ELECTION DISTRICT 5
 HOWARD COUNTY, MARYLAND

TITLE: UTILITY PLAN
Bohler Engineering, P.C.
 Professional Engineering Services
 810 GREENGLADES COURT, SUITE 300, TOWSON, MD 21286
 (410) 61-7900 FAX (410) 61-7961

DESIGNED BY: J.J.U.
 DRAWN BY: R.L.B.
 PROJECT NO.: M0334006
 DATE: 2/17/04
 SCALE: DRAWING NO. 7 OF 17
 PROFESSIONAL ENGINEER NO. 21342

JOHNS HOPKINS ROAD

(STATE ROADS COMMISSION OF MARYLAND
 PLAT NO. 41267 AND 55255)
 (VEHICULAR INGRESS & EGRESS IS RESTRICTED FROM
 U.S. ROUTE 29 TO MONTEPELLIER ROAD)
 VARIABLE WIDTH RIGHT OF WAY
 ASPHALT PAVED PUBLIC ROADWAY

STRUCTURE SCHEDULE

STRUCTURE NO.	DESCRIPTION	INV. IN	INV. IN	INV. IN	INV. OUT	TOP ELEV.
I1	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	424.30	425.80
I2	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	424.00	425.80
I3	HOWARD COUNTY STD. SD4.32	-	-	-	419.55	423.70
I4	HOWARD COUNTY STD. SD4.32	-	-	-	419.51	425.70
M1	MARYLAND STATE HIGHWAY STD. 383.00	15" 416.04	6" 416.94	6" 421.50	415.94	425.50
M2	MARYLAND STATE HIGHWAY STD. 383.00	15" 417.39	12" 417.64	-	417.29	426.00
I5	TRENCH DRAIN (REFER TO DETAIL)	-	-	-	422.00	VARIES

CONTRACTOR TO TEST PIT LOCATIONS FOR VERIFICATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION



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 REGULATIONS THEREOF APPLICABLE.
 THE CONTRACTOR TO CALL MISS UTILITY TO HAVE ALL EXISTING UTILITIES MARKED 48 HOURS PRIOR TO ANY CONSTRUCTION.

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
C2/124	7510 2840 MONTEPELLIER ROAD

PERMIT INFORMATION CHART

PROJECT NAME	SECTION/AREA	LOT/PARCEL NO.
EXXON/MOBIL GAS STATION	N/A	C2/124
PLAT RECORDATION	BLOCK 17	ZONING PEC
TAX MAP NO.	41	ELECT. DIST. 5
CENSUS TRACT	6051.02	
WATER CODE	E21	SEWER CODE 6440000

Redline Revision #1
 REVISION INCLUDES SHIFTING 2" WATER CONNECTION STUB APPROX. 5' N-E, SHIFTING THE SANITARY SEWER STUB APPROX. 20' S-W, AND REVERSING THE ENTRANCE CURB LAYOUT AS SHOWN.

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 No. 21842
 3-3-05
 FOR REDLINE REV #1

Redline Revision #3
 REVISION INCLUDES ADDING CONTRACT NUMBERS TO EX WATER & SEWER LINES AND CHANGED ADDRESS AS SHOWN.

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 No. 21842
 8/18/05
 FOR REDLINE REVISION #3

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.

