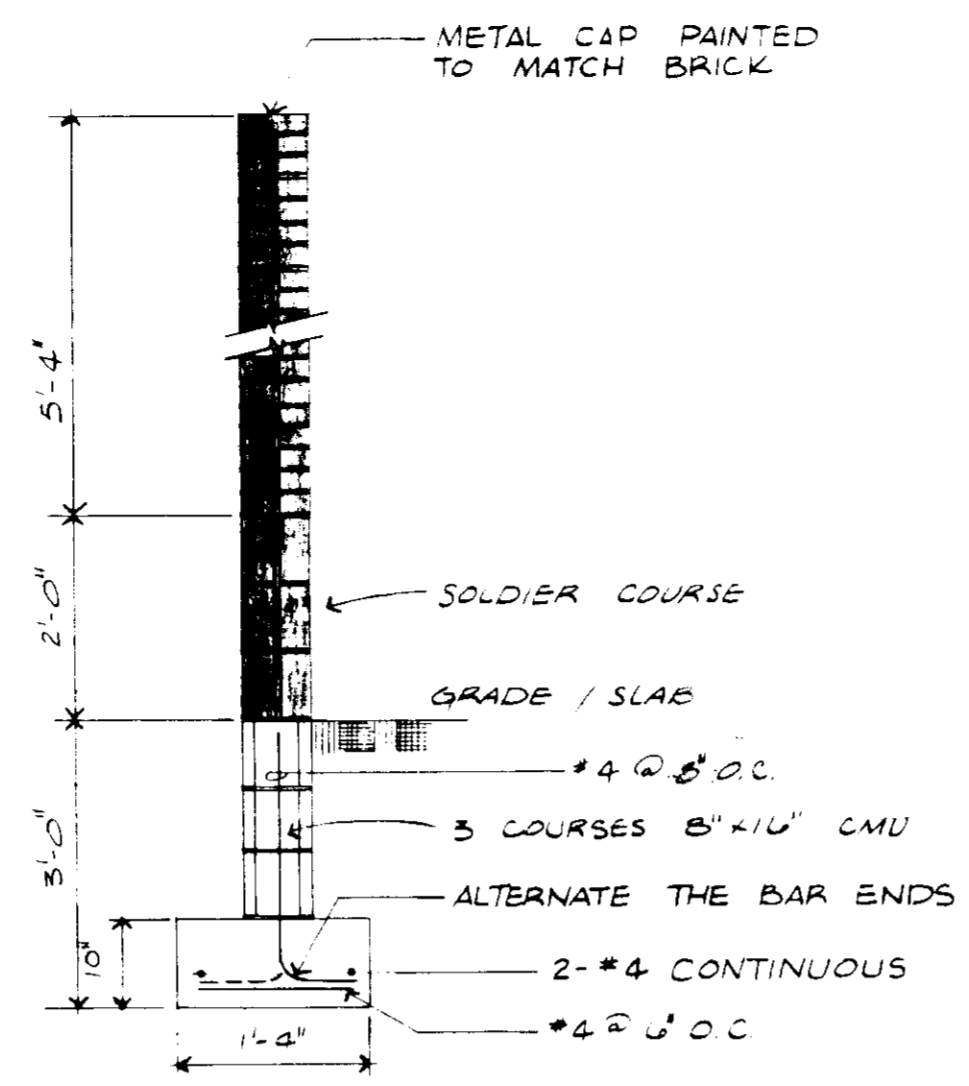
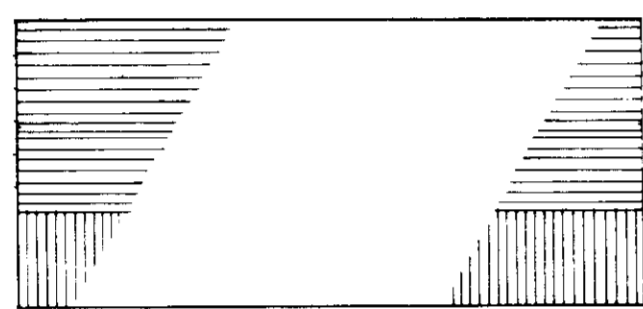


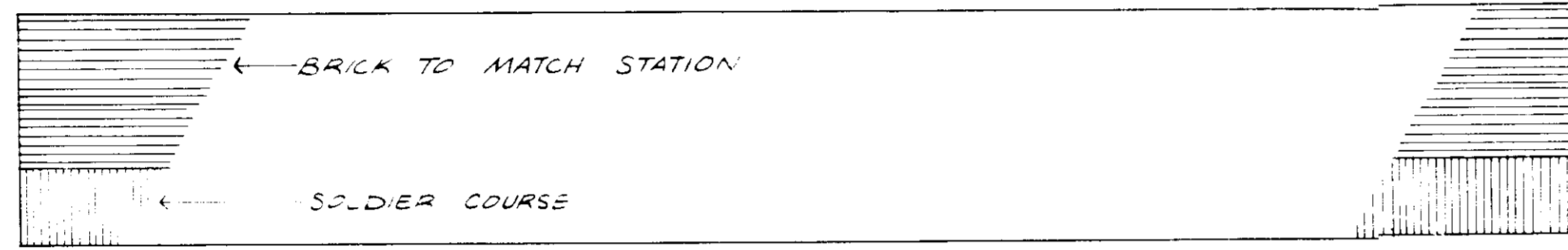
PLAN VIEW  
1/8"=1'-0"



SECTION  
1/2"=1'-0"



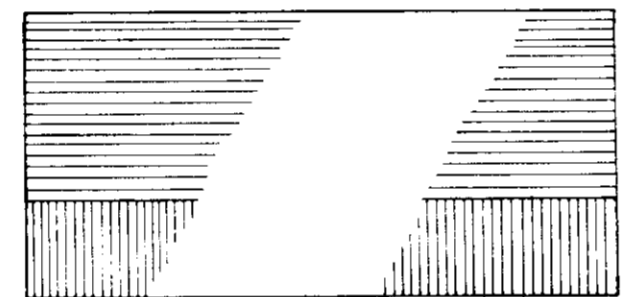
FRONT ELEVATION  
NOT TO SCALE



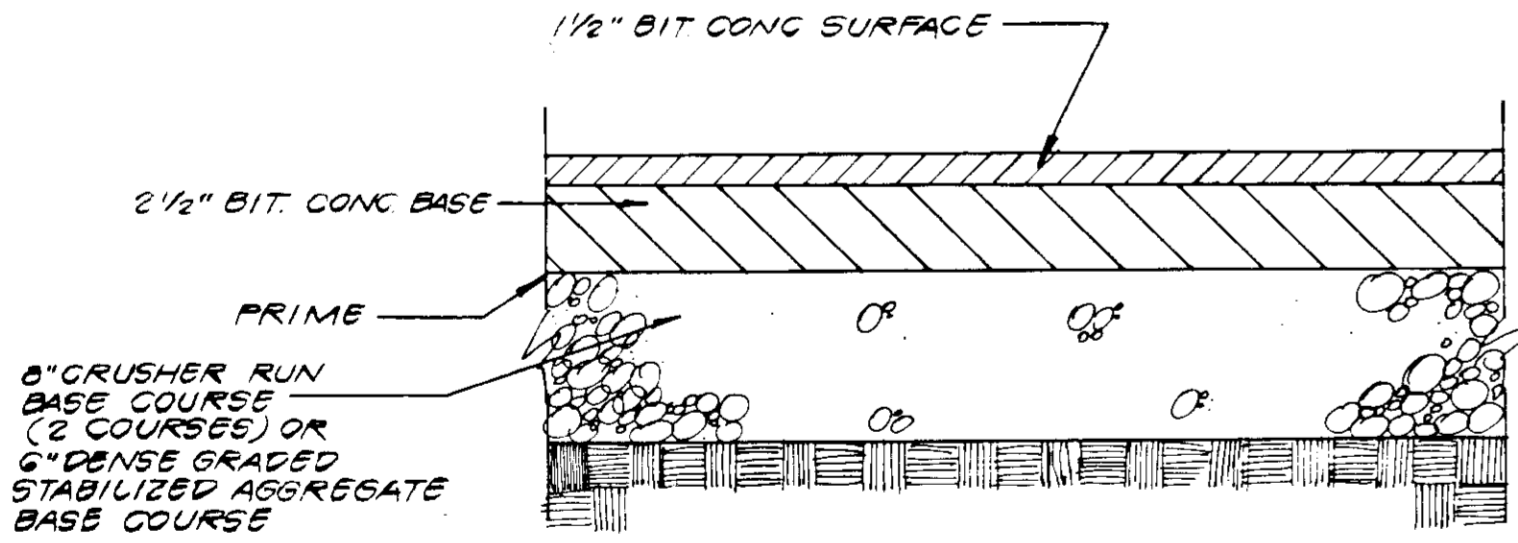
RIGHT SIDE ELEVATION  
NOT TO SCALE



LEFT SIDE ELEVATION  
NOT TO SCALE



REAR ELEVATION  
NOT TO SCALE



ON SITE BITUMINOUS  
PAVING SECTION  
(NOT TO SCALE)

**GENERAL NOTES**

E = EXCON  
B.S. = BUILDING SUPPLIER  
23.0 = NEW GRADE  
• OBSERVE BID BY G.C.  
ETR = EXISTING TO REMAIN  
MEG = MEET EXISTING GRADE

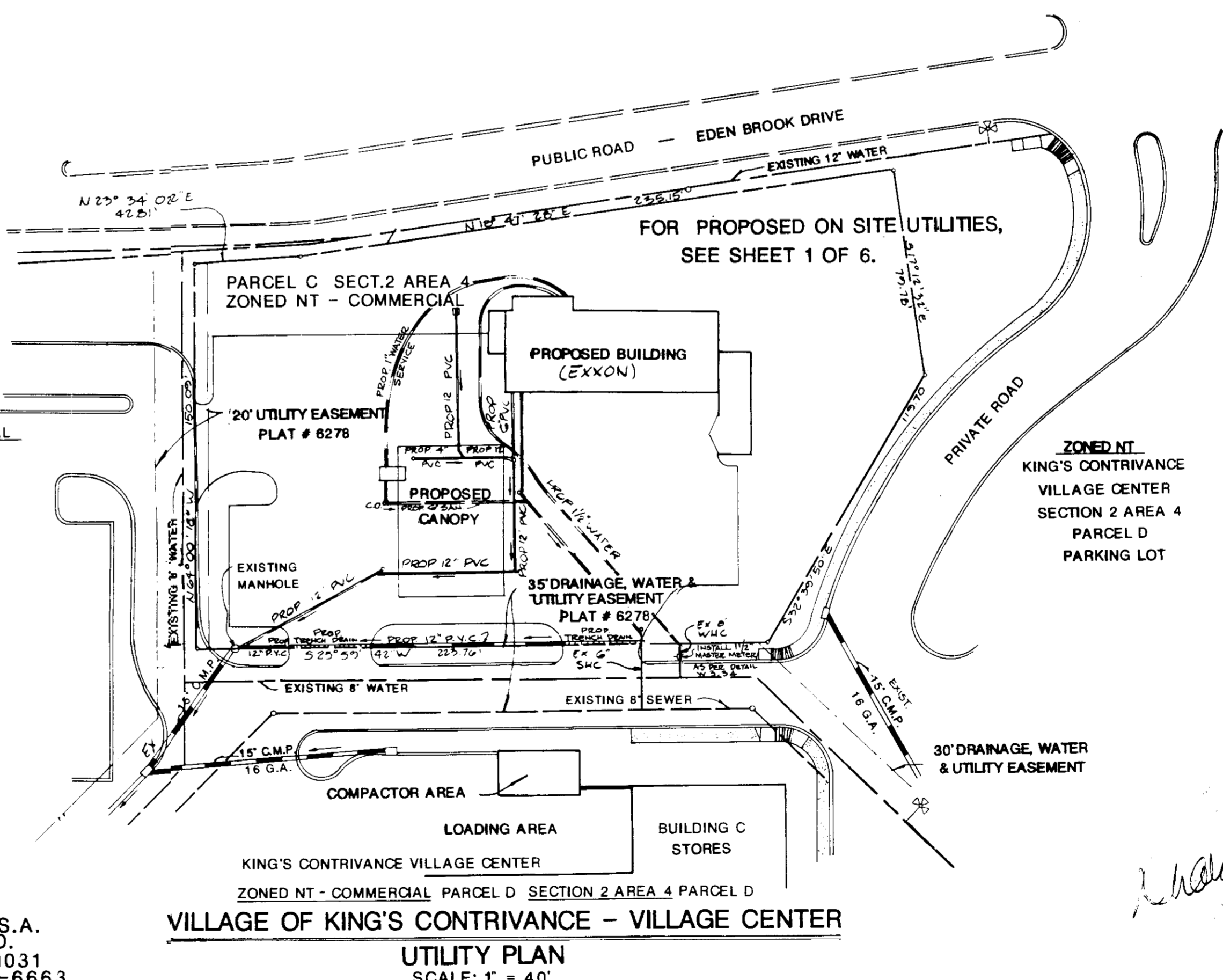
G.C. = GENERAL CONTRACTOR  
O = OTHER  
X = EXIST. GRADE  
• BUILDING ORIENTATION POINT  
• REPLACE EXISTING CURBING  
• MEET EXISTING GRADE

- EXISTING EXCON OWNED IMPROVEMENTS WHICH ARE NOT REUSED ON THIS PROJECT ARE TO BE REMOVED BY AND BECOME THE PROPERTY OF THE GENERAL CONTRACTOR EXCEPT AS FOLLOWS:
  - PROPERTY/EQUIPMENT TO BE TRANSFERRED TO EXCON STORAGE LOCATION BY G.C. (VERIFY WITH EXCON PROJECT ENGINEER);
  - PROPERTY/EQUIPMENT TO BE REMOVED BY OTHERS. (VERIFY WITH EXCON PROJECT ENGINEER);
  - G.C. TO PROVIDE CONDUIT AND WIRING TO ALL EXCON I.D. SIGNS AND CONDUIT ONLY TO PUBLIC TELEPHONE BOOTH.
  - SITE PLAN SUPERCEDES ALL WORKING DRAWINGS
  - UNLESS OTHERWISE NOTED, ALL PAINT TO BE FURNISHED BY G.C.

LEGEND	FURNISHED BY	INSTALLED BY	BUILDING	DRAWING NO.
1	BS	BS	BUILDING TYPE: BA-4FL NO OPTIONS CANOPY/ISLANDS	1155, 1-14
4	BS	BS	CANOPY TYPE: C40S-4	1163, 1-3
5	E	GC	DISPENSING EQUIPMENT (4) MFD-C (2) ELECTRONIC DIESEL DISPENSERS	1163, 1-3
6	E	GC	TRANSAC SYSTEM TCR-6	1163, 1-3
7	BS	BS	K-5 MFDSP	1197, 1-3
9	E	GC	FIBERGLASS TANKS FOR MOTOR FUEL WASTE OIL/HEATING OIL (2K) GAL. UNLEADED (10K) GAL. UNLEADED EXTRA (8K) GAL. EXCON (10K) GAL. DIESEL (1K) GAL. WASTE OIL (-K) GAL. HEATING OIL STP W/LEAK DETECTORS (3) 1/4 HP (1) 1/2 HP	1170-1,2
10	GC	GC	FIBERGLASS PRODUCT PIPING AND VENTING LINES	1170-1,2
11	GC	GC	VAPOR RECOVERY SYSTEM TYPE: - STATE 1 HARD AREA - OTHER	
12	GC	GC	ASPHALT PAVING PER EXCON SPECIFICATION - DEPTH 7" 80025-1,2	
13	GC	GC	6" CONCRETE W/66-6/6 WWF	80025-1,2
15	GC	GC	6" CURB WITH 16" GUTTER	80025-1,2
17	GC	GC	DRIVE APPROACH AND CURBING OUTSIDE PROPERTY LINE PER LOCAL CODE	

18	E	GC	18. NEW HAND LIGHT FIXTURES AND POLES: (PREP. IN PLACE)	1043
19	E	GC	AIR / WATER / LIGHT UNIT	1043
21	E	GC/E	LANDSCAPING	1169
22	GC	GC	USED TIRE STORAGE ENCLOSURE: AMFAB SERIES 600	1043
23	GC	GC	TRASH ENCLOSURE W/6" REINF. CONCRETE PAD	1043
24	E	GC	INSTALL MAJOR ID SIGN SYSTEM: PAINT BLACK (1) 15' 10" / 15' DIESEL PRICE / 15' DIESEL ANCILLARY (1) 15' PRICE / 15' SHOP (1) 15' CAR WASH HEIGHT FT. TYPE POLE	721-1
28	GC	GC	CONCRETE SIDEWALK PER LOCAL SPECIFICATIONS	
30	GC	GC	NEW INLET	
31	GC	GC	8" THICK MASONRY WALL OF SAME BRICK AS BLDG. TO SHIELD TRASH AND TIRE ENCLOSURES.	
32		GC	PHONES TO BE WALL MOUNTED - PROVIDE CONDUIT	

- SITE ANALYSIS:**
- AREA OF PARCEL: 43,560 SQ. FT. 1.000 ACRE
  - ZONING CLASSIFICATION: (NEW TOWN DISTRICT) - COMMERCIAL
  - FDP NO. 178 A, PART IV
  - PARKING REQUIRED: 4 BAYS @ 3 SPACES/BAY = 12 SPACES 4 EMPLOYEES @ 1 SPACE/EMPLOYEE = 4 SPACES 1 TOW TRUCK @ 1 SPACE = 1 SPACE 17 SPACES
  - PARKING SPACES PROVIDED = 21 SPACES
  - PROPERTY OWNER: THE HOWARD RESEARCH & DEVELOPMENT CORPORATION
  - CONTRACT PURCHASER: EXCON CORPORATION, U.S.A., 11350 MCCORMICK ROAD, HUNT VALLEY, MARYLAND, TEL. 628-6749
  - DEED REFERENCE: N/F THE HOWARD RESEARCH & DEVELOPMENT CORPORATION LIBER 406, FOLIO 506, SEPTEMBER 12, 1963
  - TAX MAP 42, PART OF PARCEL 13
  - OPEN SPACE: 21,790 SQ. FT. OR 50% OPEN SPACE
  - BUILDING COVERAGE: 4,880 SQ. FT. (INCLUDES BLDG., CANOPY) 11% COVERAGE
  - MAXIMUM NUMBER OF EMPLOYEES = 4
  - S.W.M. WAS PROVIDED UNDER F-80-96
  - EXTERIOR LIGHTING SHALL BE DIRECTED / REFLECTED AWAY FROM ADJACENT RESIDENTIALLY ZONED PROPERTIES AND PUBLIC ROAD RIGHT-OF-WAYS.



OWNER: EXXON COMPANY, U.S.A.  
11350 MCCORMICK RD.  
HUNT VALLEY, MD 21031  
c/o THOMAS SHEEHAN TEL. 628-6663

VILLAGE OF KING'S CONTRIVANCE - VILLAGE CENTER  
UTILITY PLAN  
SCALE: 1" = 40'

**APPROVED**  
PLANS  
OF HOWARD COUNTY  
DATE: 11-12-86  
M.H.N.M.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
*Thomas Duplessis* 1-13-87  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*Thomas Duplessis* 1-14-87  
DIRECTOR DATE

APPROVED: CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
*Thomas Duplessis* 1-14-87  
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Thomas Duplessis* 1-14-87  
DIRECTOR DATE

APPROVED: CHIEF BUREAU OF ENGINEERING  
*Thomas Duplessis* 1-14-87  
DATE

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
VILLAGE OF KING'S CONTRIVANCE	214	
PLAT # OR L/F	BLOCK #	ZONE
6278	7	HT COMM
TAX/ZONE MAP ELEC. DIST	CENSUS TR.	
42	6	206102
WATER CODE	SEWER CODE	
E-16	6350000	

**STV / LYON ASSOCIATES**  
Engineers Surveyors Planners  
21 Governor's Court Baltimore, Maryland 21207  
Telephone : 301-944-9112

**REVISIONS**

NO	DATE	DESCRIPTION
1	3-31-87	REVISED WATER SERVICE CONNECTIONS - INSTALL MASTER METER

**EXXON COMPANY, U.S.A.**  
PROJECT ENGINEER: THOMAS DUPLESSIS  
11350 MCCORMICK RD. HUNT VALLEY, MD. 21031  
TEL. 785-6634

**PLAN PREPARATION**

DRAWN BY	DATE
Z.R.	6/25/86
DESIGNED BY	SCALE
Z.R.	AS SHOWN
CHECKED BY	LOC. NO.
S. H.-P.	2-8165

**GENERAL NOTES & UTILITY PLAN**  
"VILLAGE OF KING'S CONTRIVANCE"  
PARCEL C, SECTION 2, AREA 4  
6TH ELECTION DIST., HOWARD CO., MD.

**DRAWING NO.**  
7730-53-017  
**SHEET NO.**  
2 of 8

SDP-87-23c

STORM FREQUENCY 10 YEAR, EXCEPT AS NOTED

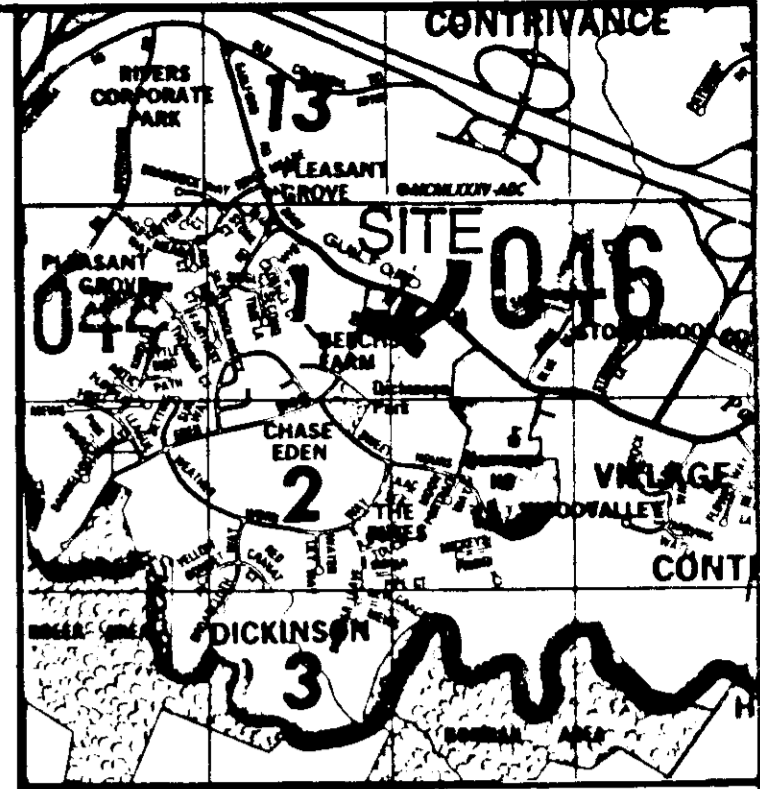
LOCATION	AREA	ACRES	COEFF. 'C'	CA	ECA	TIME CONC. MIN.	INLET	Q + CIA	PIPE n = 0.011	REMARKS				
FROM	TO	SUB. TOTAL												
I-1	Y-7	A	0.10	0.60	0.11	5.0	0.5	0.5	0.8	0.75	12" 0.00	10	50	PVC
	Y-8	B	0.014	0.95	0.015	5.0	-	8.0	7.0	0.09	4" 0.18	30	-	PVC
Y-7	Y-6	A+D	0.194	0.123	0.123	5.0	0.1	0.0	0.8	0.84	12" 0.00	1.1	0'	PVC
	Y-6	C	0.014	0.95	0.015	5.0	-	5.0	7.0	0.09	4" 0.18	30	-	PVC
Y-6	Y-5	A+B+C	0.208	0.136	0.136	5.0	0.1	0.1	0.8	0.87	12" 0.00	1.2	10'	PVC
	Y-5	D	0.014	0.95	0.015	5.0	0.0	5.0	7.0	0.09	4" 0.18	30	-	PVC
Y-5	Y-3	A+D	0.224	0.151	0.151	5.0	0.1	0.1	0.8	0.85	12" 0.00	1.3	50'	PVC
	Y-3	E	0.014	0.95	0.015	5.0	0	5.0	7.0	0.09	4" 0.18	30	-	PVC
Y-3	Y-2	A+E	0.238	0.164	0.164	5.0	0.3	7.1	6.6	1.08	12" 0.00	1.4	23'	PVC
	Y-2	F	0.014	0.95	0.015	5.0	-	7.0	7.0	0.09	4" 0.18	30	-	PVC
Y-2	EX. MH	A+F	0.252	0.177	0.177	7.1	0.8	7.9	6.45	1.14	12" 0.00	1.4	77'	PVC

STORM FREQUENCY 10 YEAR, EXCEPT AS NOTED

LOCATION	AREA	ACRES	COEFF. 'C'	CA	ECA	TIME CONC. MIN.	INLET	Q + CIA	PIPE n = 0.011	REMARKS				
FROM	TO	SUB. TOTAL												
I-2	I-1	G	0.21	0.98	0.20	5.0	1.8	6.8	6.65	1.33	12" 0.10	1.8	106'	PART TRENCH PART PVC
I-1	I-1	H	0.17	0.98	0.16	5.0	-	5.0	7.0	1.12	12" 0.10	1.8	106'	TRENCH DRAIN PART PVC
I-1	EX. MH	G+H	0.38	0.96	0.36	6.8	1.8	7.1	6.60	2.38	12" 0.10	3.0	212'	PART TRENCH PART PVC

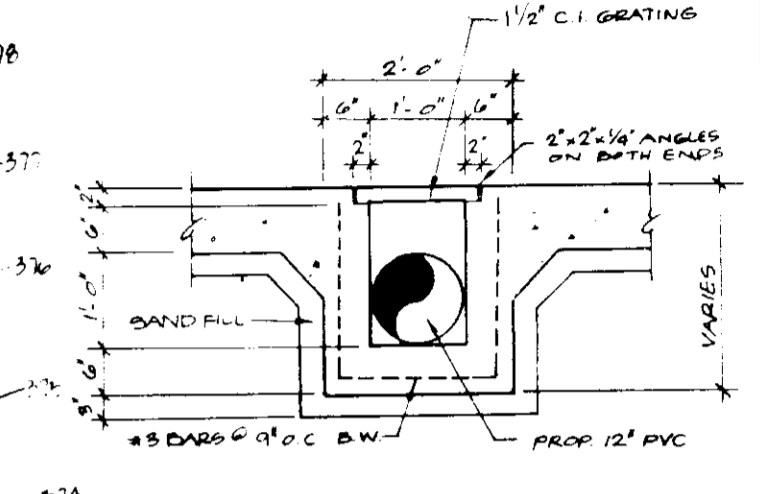
EDEN BROOK DRIVE  
VARIABLE (R/W)  
INGRESS & EGRESS IS RESTRICTED

EXISTING CONCRETE CURB & GUTTER



LOCATION MAP

1" = 2000'



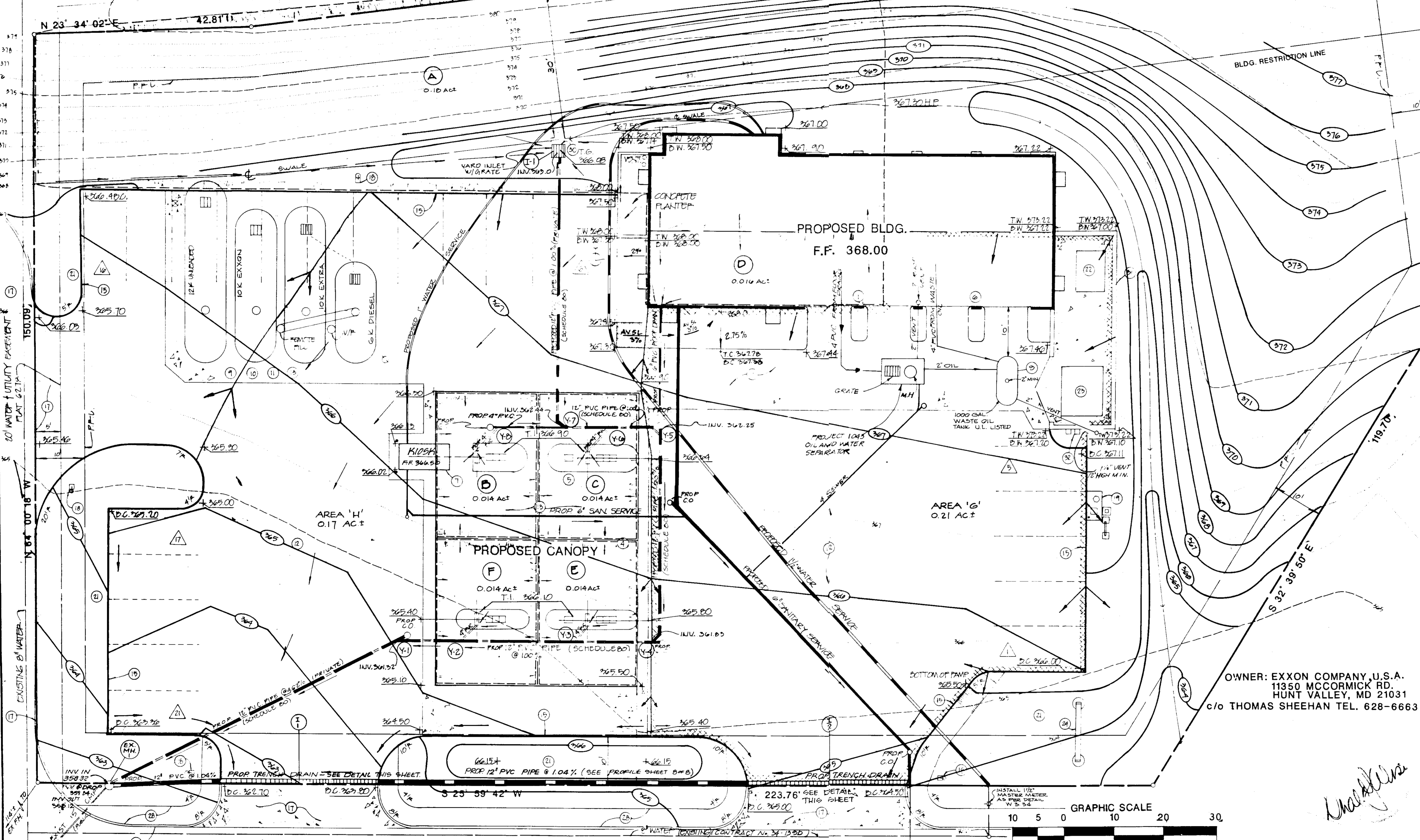
TRENCH DRAIN SECTION

NOTE:  
UTILITIES AND OTHER OBSTRUCTIONS AS SHOWN HEREON HAVE BEEN LOCATED BY ACTUAL FIELD MEASUREMENTS SUPPLEMENTED BY INFORMATION OBTAINED FROM THE VARIOUS AGENCIES INVOLVED HOWEVER WE DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF THE INFORMATION RECEIVED THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION AND MUST NOTIFY THE UTILITY COMPANIES INVOLVED PRIOR TO COMMENCING WORK.

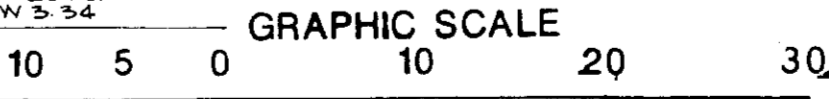
APPROVED  
PLANNING  
DATE 11-12-86  
M/JMM

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER: *John M. ...* DATE 1-13-87  
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DIRECTOR: *Thomas Duplessis* DATE 1-14-87  
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: *...* DATE 1-14-87  
CHIEF BUREAU OF ENGINEERING: *...* DATE 1-14-87

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
VILLAGE OF KING'S CONTRIVANCE	214	C
PLAT # OR L/T	BLOCK #	ZONE
6278	7	NT
WATER CODE	SEWER CODE	TAX/ZONE MAP/ELEC. DIST. CENSUS TR.
E-16	6350000	42 60 02/02



OWNER: EXXON COMPANY, U.S.A.  
11350 MCCORMICK RD.  
HUNT VALLEY, MD 21031  
c/o THOMAS SHEEHAN TEL. 628-6663



**STV / LYON ASSOCIATES**  
Engineers Surveyors Planners  
21 Governor's Court Baltimore, Maryland 21207  
Telephone : 301-944-9112

REVISIONS

NO.	DATE	DESCRIPTION
1	3-3-87	REVISED TANK FIELD AS SHOWN, WATER SERVICE CONNECTIONS, INSTALL MASTER METER.

EXXON COMPANY, U.S.A.  
PROJECT ENGINEER: THOMAS DUPLESSIS  
11350 MCCORMICK RD. HUNT VALLEY, MD. 21031  
TEL. 785-6634

PLAN PREPARATION  
DRAWN BY: Z.R. DATE: 6/4/86  
DESIGNED BY: EJM SCALE: 1" = 10'  
CHECKED BY: AWR LOC. NO. 2-8165

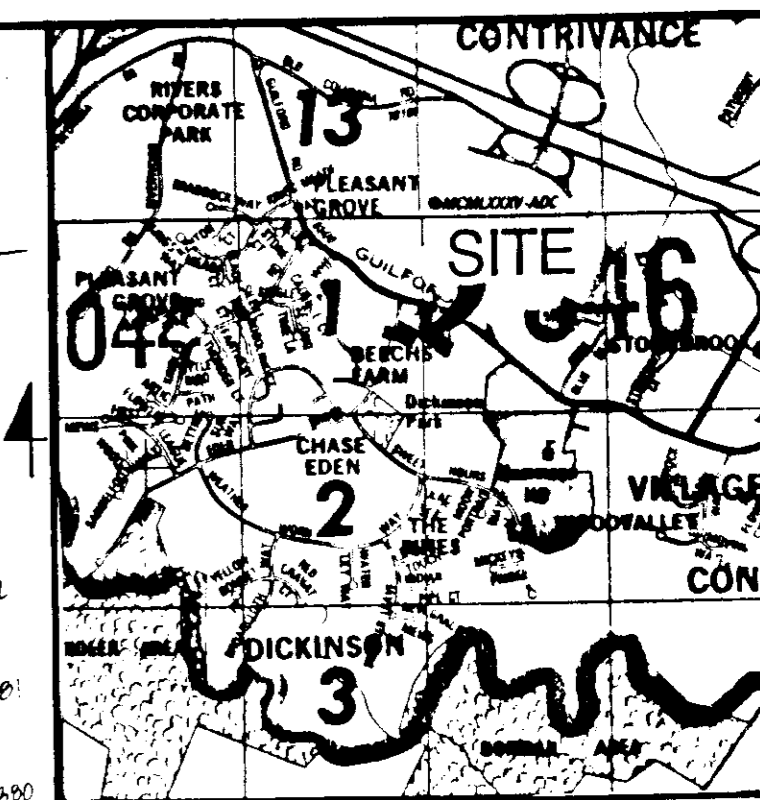
GRADING PLAN/STORM DRAINS  
"VILLAGE OF KING'S CONTRIVANCE"  
PARCEL C, SECTION 2, AREA 4  
6TH ELECTION DIST., HOWARD CO., MD.

DRAWING NO. 7730-53-017  
SHEET NO. 3 of 8

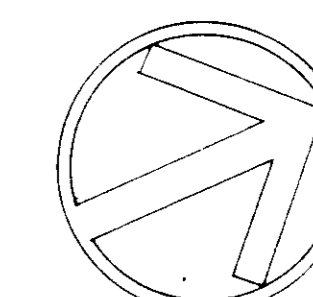
SDP-87-23c

QUAN	BOTANICAL NAME COMMON NAME	SIZE	ROOT
13	ACER SACCHARUM (SWEET) SWEET MAPLE	12'-14" HT.	D/D
6	FRAXINUS PENNSYLVANICA (WHITE) WHITE OAK	12'-14" HT.	D/D
5	QUERCUS VITIFOLIA WHITE OAK	6'-10" HT.	D/D, HEAVY
25	TSUGA CANADENSIS JAPANESE BLACK PINE	6'-8" HT.	D/D
5-1	BUONNYMUS ALATUS (COMPACT) COMPACT WINGED BUONNYMUS	30'-30" HT.	D/D OR CONTAINER
14	VICUNYUM PUGATUM (TOMENTOSUM) TOMENTOSUM VICUNYUM	5'-4" HT.	D/D OR CONTAINER

EDEN BROOK DRIVE  
VARIABLE (R/W)  
VEHICULAR INGRESS & EGRESS IS RESTRICTED  
EXISTING CONCRETE CURB & GUTTER



LOCATION MAP  
1" = 2000'



SEE SHEET NO. 6 OF 6  
FOR PLANTING DETAILS.

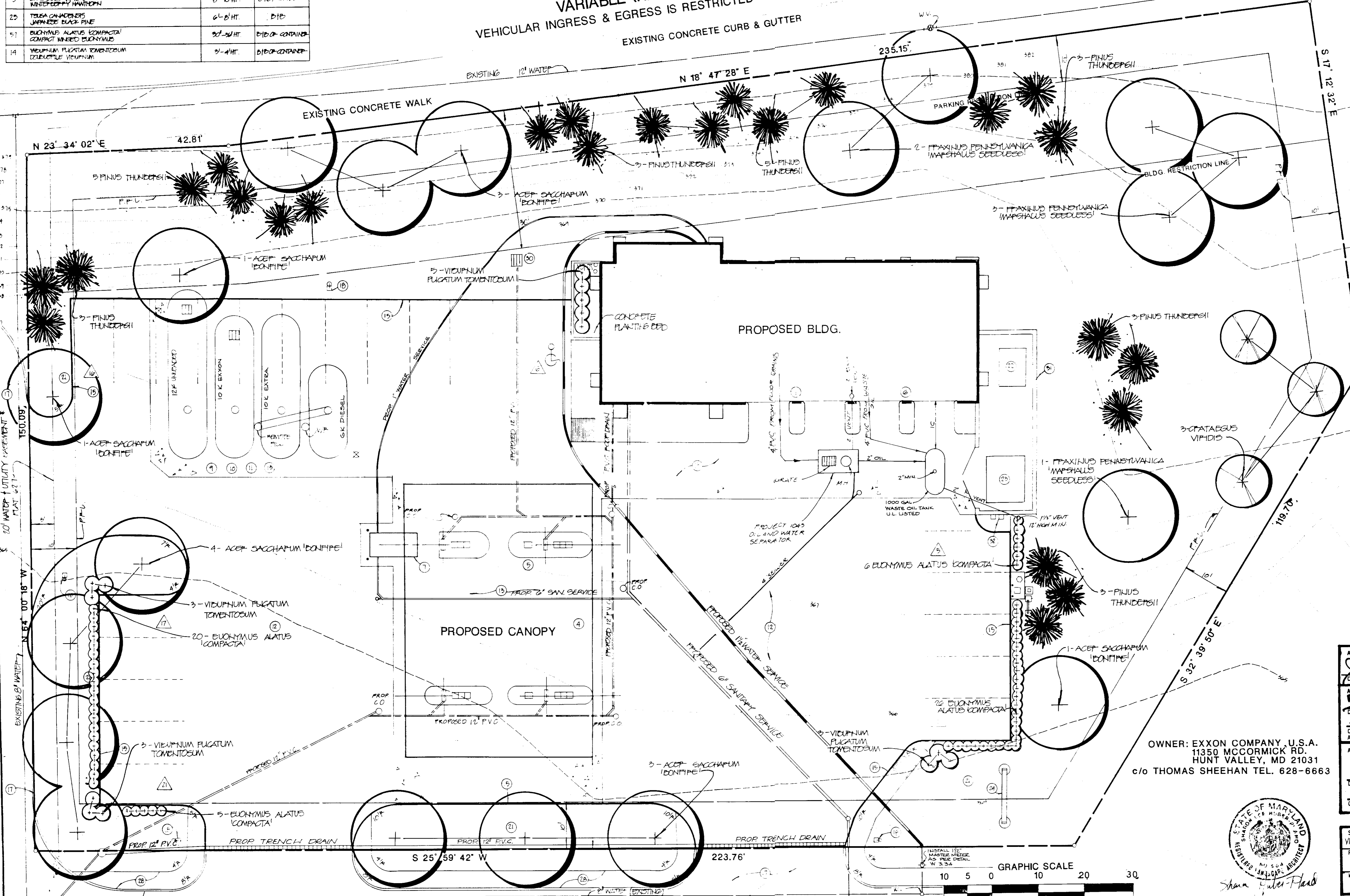
APPROVED  
PLANNING & ZONING  
DATE 11-12-86  
TH/S

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT <i>Joseph Grogan</i> 1-13-87 COUNTY HEALTH OFFICER DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING <i>Thomas Duplessis</i> 1-14-87 DIRECTOR DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>John W. Macdonald</i> 1-14-87 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>James P. Lee</i> 1-17-87 DIRECTOR DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS <i>James P. Lee</i> 1-17-87 CHIEF BUREAU OF ENGINEERING DATE

OWNER: EXXON COMPANY, U.S.A.  
11350 MCCORMICK RD.  
HUNT VALLEY, MD 21031  
c/o THOMAS SHEEHAN TEL. 628-6663



SUBDIVISION NAME VILLAGE OF KING'S CONTRIVANCE	SECT./AREA 2/4	LOT/PARCEL #
PLAT # OR L/F 6278	BLOCK # 7	ZONE NT
TAX/ZONE MAP/ELEC. DIST. 42	CENSUS TR. 6	626122
WATER CODE E-16	SEWER CODE 0350000	



**STV / LYON ASSOCIATES**  
Engineers Surveyors Planners  
21 Governor's Court Baltimore, Maryland 21207  
Telephone : 301-944-9112

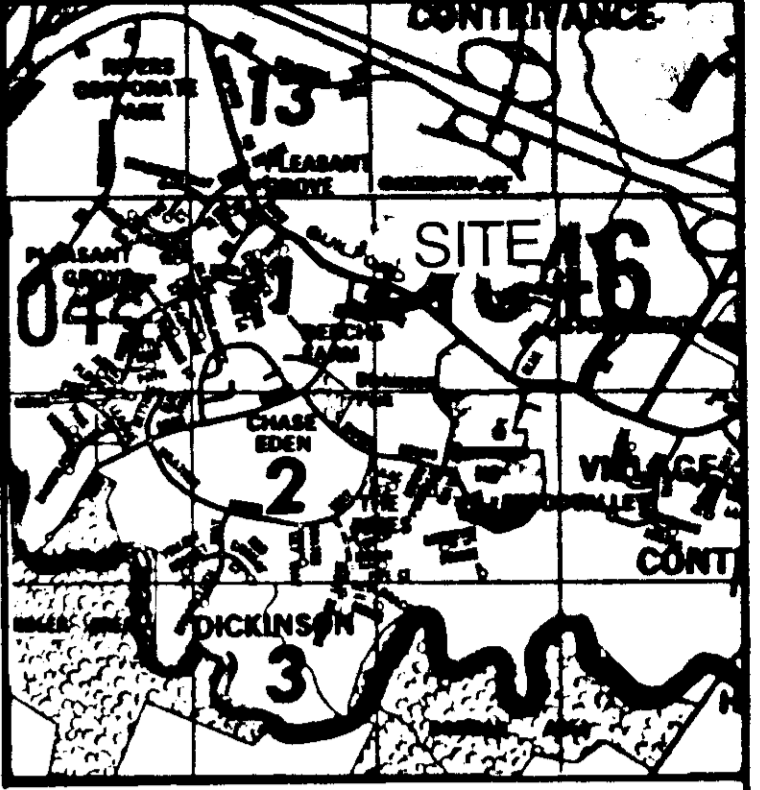
REVISIONS		
NO	DATE	DESCRIPTION
1	3-31-87	REVISED TANK FIELD AS SHOWN, WATER SERVICE CONNECTIONS, INSTALL MASTER METER.

EXXON COMPANY, U.S.A.  
PROJECT ENGINEER: THOMAS DUPLESSIS  
11350 MCCORMICK RD. HUNT VALLEY, MD. 21031  
TEL. 785-6634

PLAN PREPARATION	
DRAWN BY: Z. R.	DATE: 6/4/86
DESIGNED BY: S. H.-P.	SCALE: 1" = 10'
CHECKED BY:	LOC. NO. 2-8165

**LANDSCAPE PLAN**  
DRAWING NO. 7730-53-017  
"VILLAGE OF KING'S CONTRIVANCE"  
PARCEL C, SECTION 2, AREA 4  
6TH ELECTION DIST., HOWARD CO., MD.  
SHEET NO. 4 of 8  
SDP-87-23c

EDEN BROOK DRIVE  
 VARIABLE (R/W)  
 VEHICULAR INGRESS & EGRESS IS RESTRICTED  
 EXISTING CONCRETE CURB & GUTTER



LOCATION MAP  
 1" = 2000'

NOTE: 1. SEE SHEET 6 OF 6 FOR ALL NOTES & DETAILS.  
 2. OWNER: N/F THE HOWARD RESEARCH & DEVELOPMENT CORPORATION LIBER 406, FOLIO 506 PARCEL C.  
 3. CONTRACT PURCHASER: EXXON COMPANY, U.S.A. 11350 McCORMICK RD. HUNT VALLEY, MD. 21031  
 4. AREA: 1.0 ACRES +

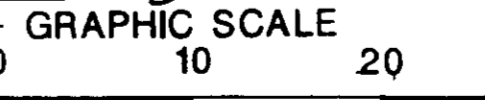
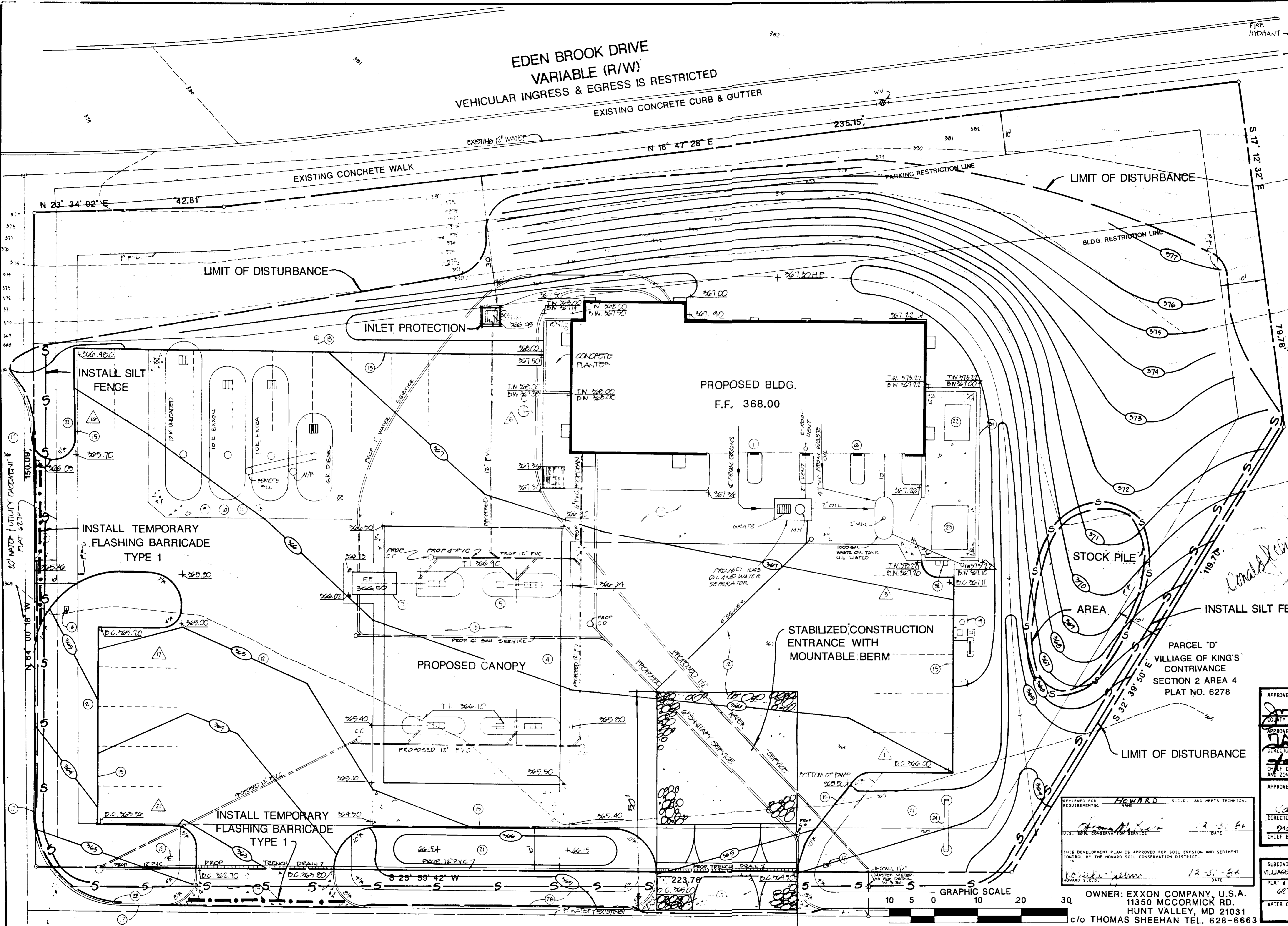
**APPROVED**  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE 11-12-86  
*M. J. JAMES*

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER *Joseph P. Rogers* DATE 1-13-87  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 DIRECTOR *Thomas M. Harris* DATE 1-14-87  
 CHIEF OF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR *James M. Shaw* DATE 1-17-87  
 CHIEF BUREAU OF ENGINEERING *Thomas H. J.* DATE 1-17-87

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
VILLAGE OF KING'S CONTRIVANCE	214	C
PLAT # OR L/F	BLOCK #	ZONE
6270	7	42
TAX/ZONE MAP/ELEC. DIST.	CENSUS TR.	
6	001/02	
WATER CODE	SEWER CODE	
E-16	635000	

REVIEWED FOR REQUIREMENTS: HOWARD S.C.D. AND MEETS TECHNICAL  
 NAME: *Howard* DATE: 1-2-86  
 U.S. SOIL CONSERVATION SERVICE  
 DATE: 1-2-86  
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

OWNER: EXXON COMPANY, U.S.A.  
 11350 MCCORMICK RD.  
 HUNT VALLEY, MD 21031  
 c/o THOMAS SHEEHAN TEL. 628-6663



**STV / LYON ASSOCIATES**  
 Engineers Surveyors Planners  
 21 Governor's Court Baltimore, Maryland 21207  
 Telephone : 301-944-9112

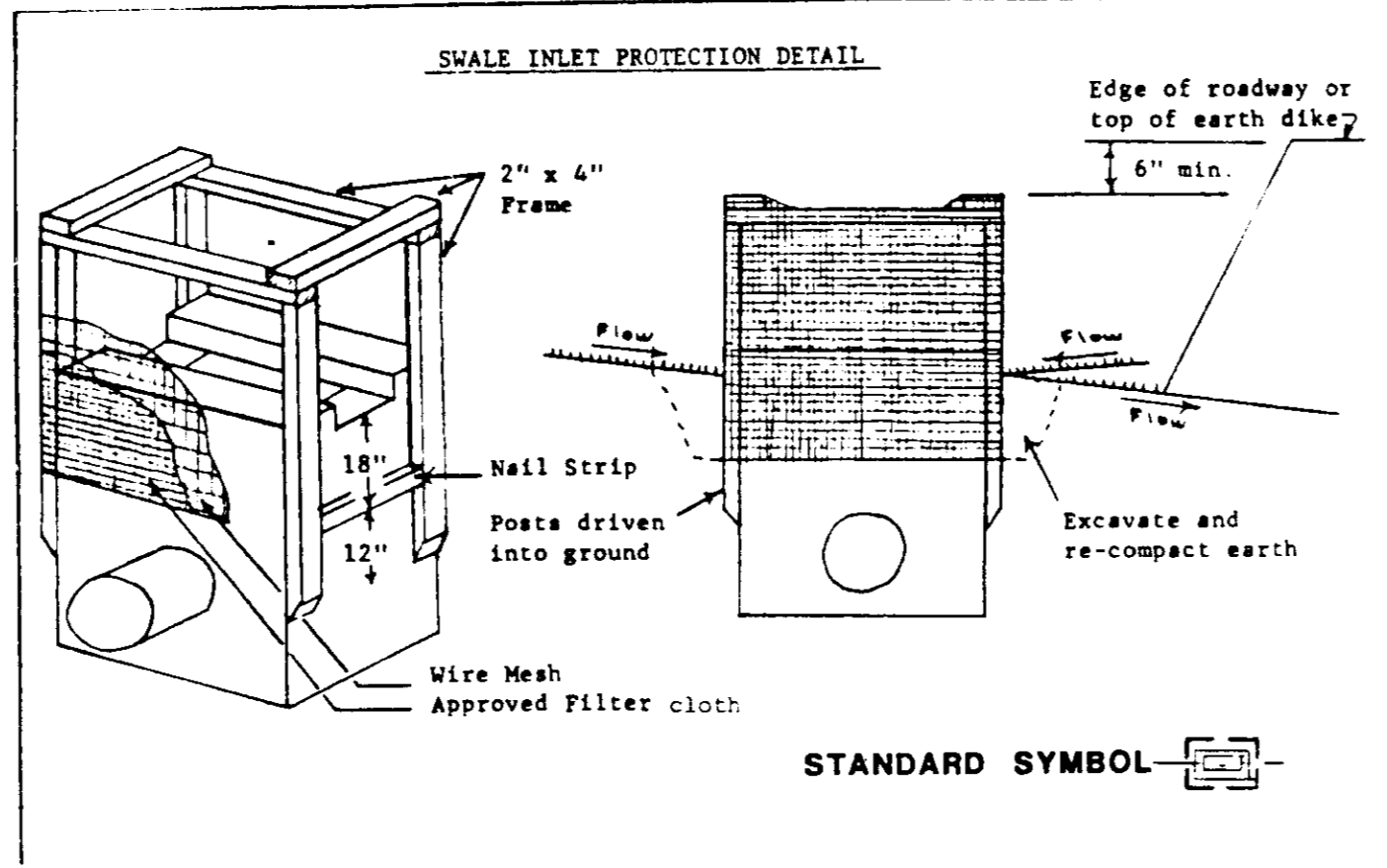
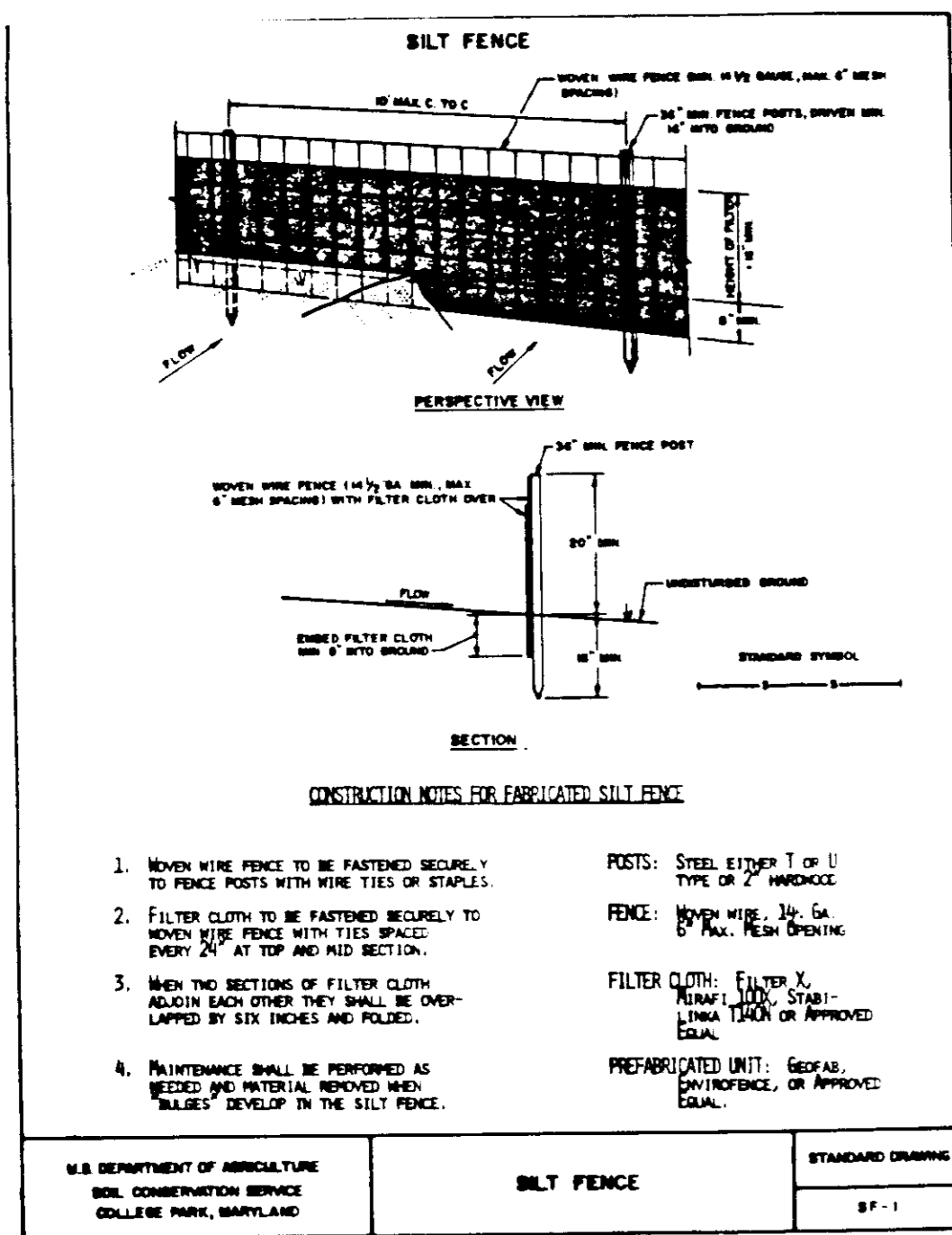
REVISIONS		
NO	DATE	DESCRIPTION
1	3-31-87	REVISED TANK FIELD AS SHOWN, WATER SERVICE CONNECTIONS, INSTALL MASTER METER.

**EXXON COMPANY, U.S.A.**  
 PROJECT ENGINEER: THOMAS DUPLESSIS  
 11350 MCCORMICK RD. HUNT VALLEY, MD. 21031  
 TEL. 785-6634

**PLAN PREPARATION**  
 DRAWN BY: Z. R. DATE: 6/4/86  
 DESIGNED BY: S. H.-P. SCALE: 1" = 10'  
 CHECKED BY: S. H.-P. LOC. NO. 2-8165

**SEDIMENT & EROSION CONTROL PLAN**  
 "VILLAGE OF KING'S CONTRIVANCE"  
 PARCEL C, SECTION 2, AREA 4  
 6TH ELECTION DIST., HOWARD CO., MD.

**DRAWING NO.**  
 7730-53-017  
**SHEET NO.**  
 5 of 8



**SEDIMENT CONTROL NOTES**

- 1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
- 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) 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 GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- 5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 7) SITE ANALYSIS:
 

TOTAL AREA OF SITE	110 ACRES
AREA DISTURBED	50 ACRES
AREA TO BE ROOFED OR PAVED	50 ACRES
AREA TO BE VEGETATIVELY STABILIZED	10 ACRES
TOTAL CUT	1,170 CU.YD
TOTAL FILL	219 CU.YD
OFFSITE WASTE/BORROW AREA LOCATION	
- 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9) ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY, BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.

BY THE DEVELOPER:

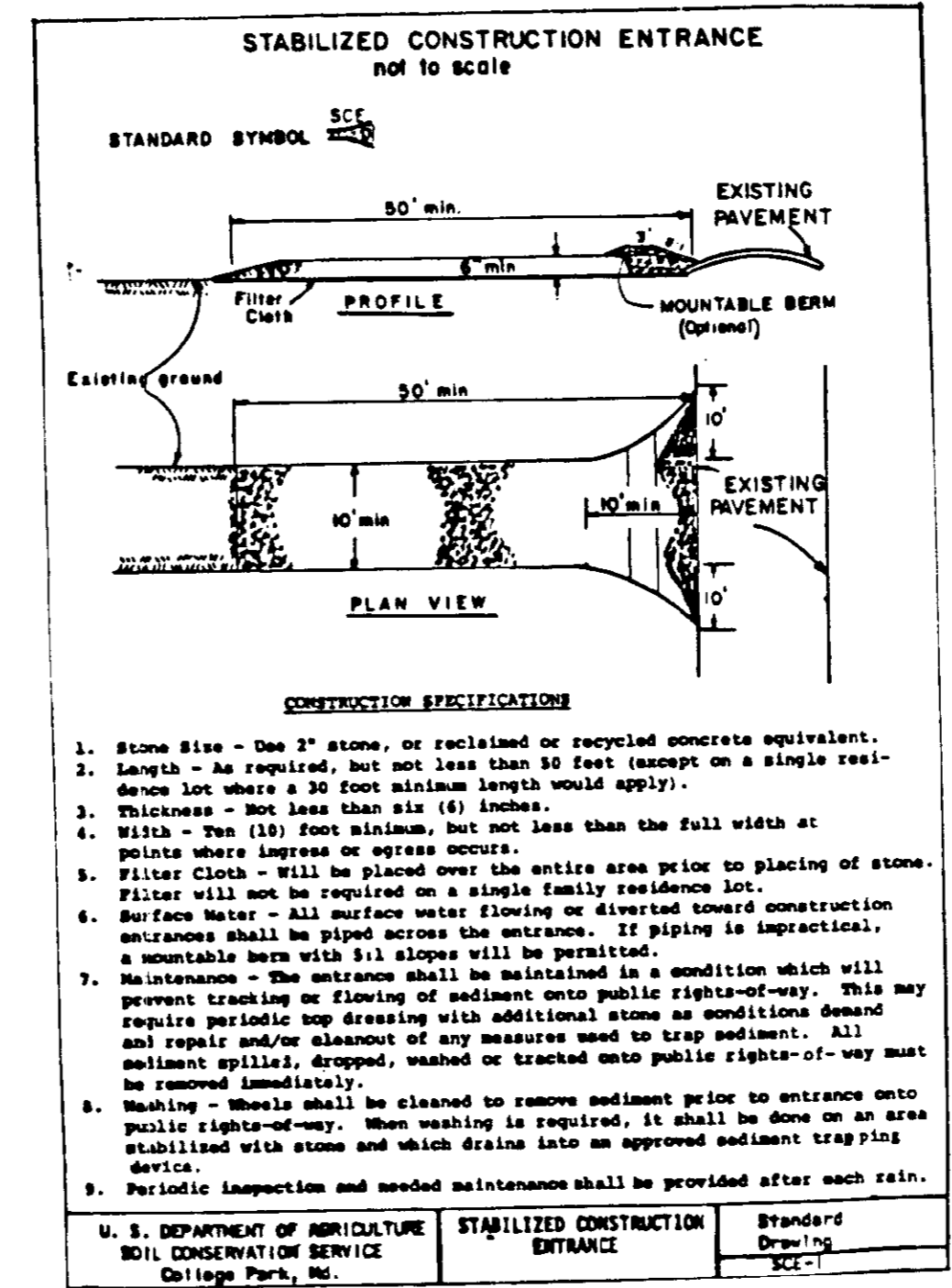
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

*Thomas P. Sheehan* 12/23/86  
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

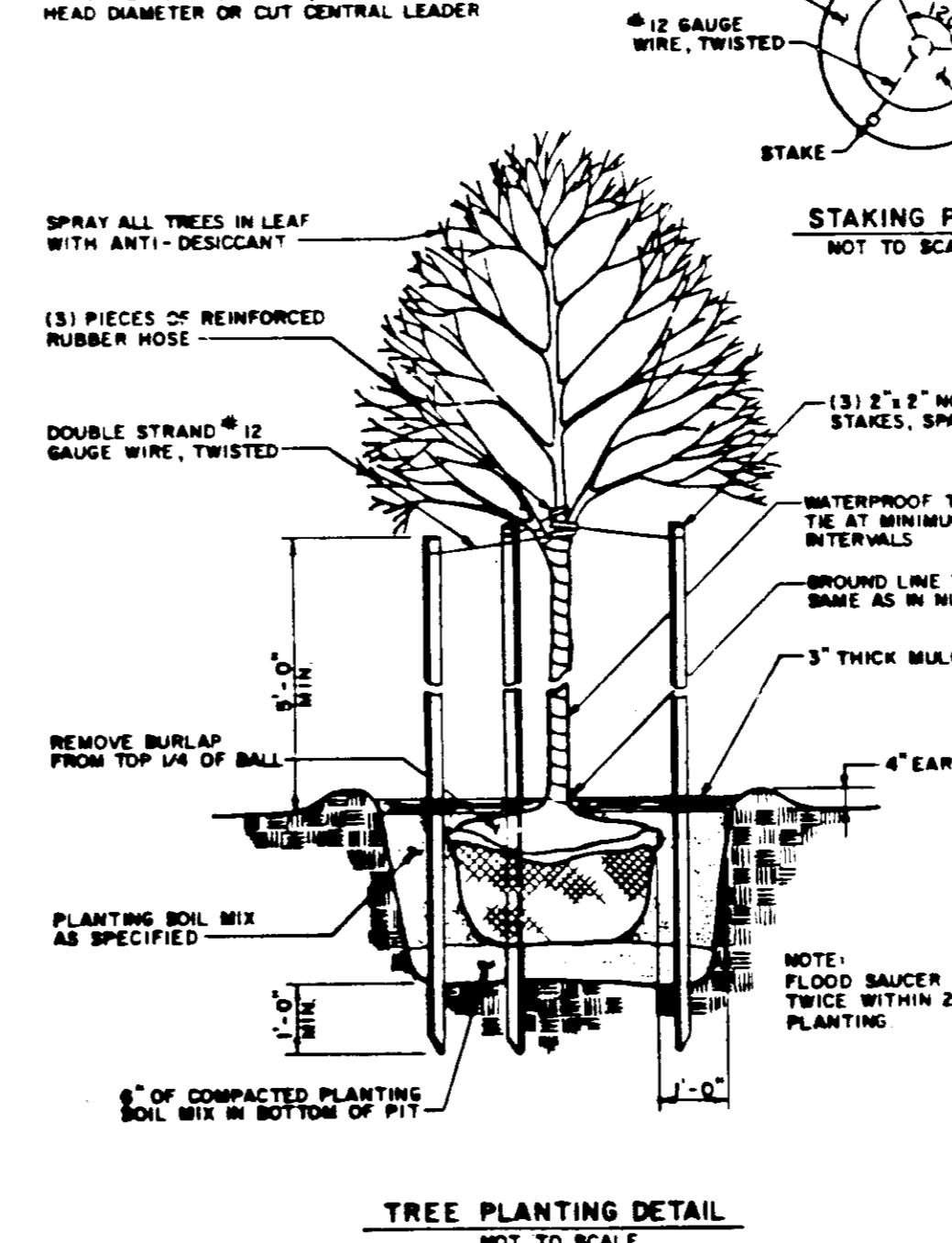
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

*Thomas P. Sheehan* 12/23/86  
 SIGNATURE OF ENGINEER DATE

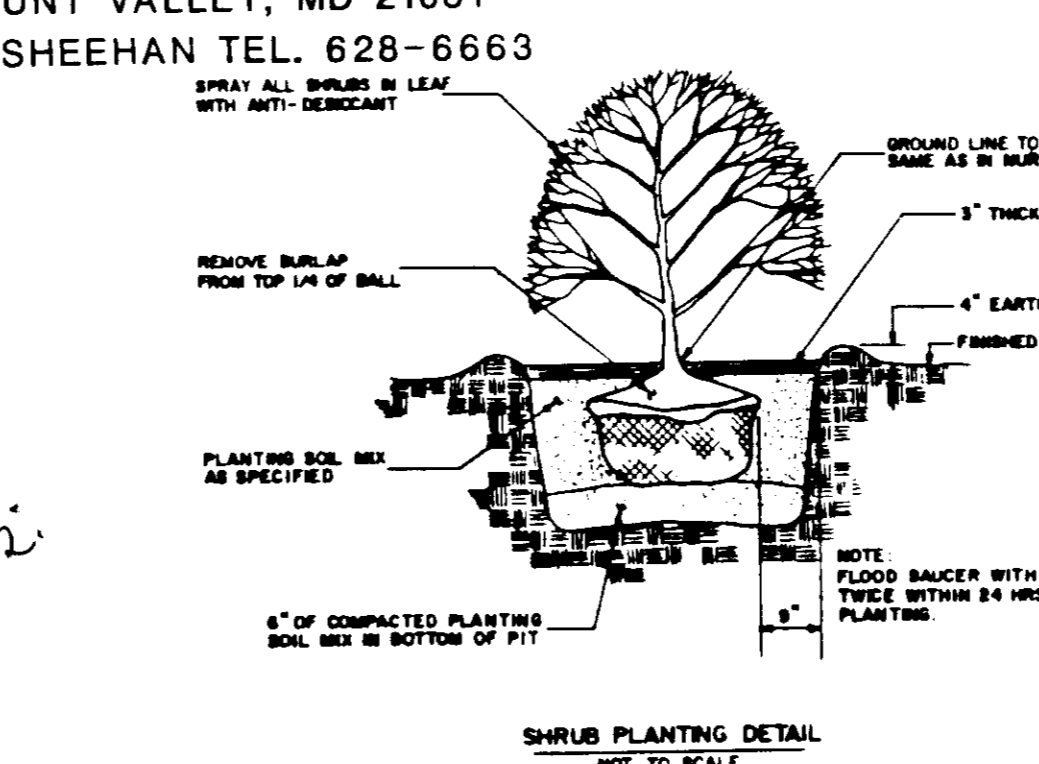


NOTE: PRUNE 1/3 OF LEAF AREA, RETAINING NATURAL FORM OF TREE. DO NOT BEAR HEAD DIAMETER OR CUT CENTRAL LEADER

PLANTING SOIL MIXTURE  
 #12 GAUGE WIRE, TWISTED



OWNER: EXXON COMPANY, U.S.A.  
 11350 MCCORMICK RD.  
 HUNT VALLEY, MD 21031  
 c/o THOMAS SHEEHAN TEL. 628-6663



**TEMPORARY SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE DISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

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

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 THRU NOVEMBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ FT). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS OF WEEPING LOVEGRASS (.07 LBS/1000 SQ FT). FOR THE PERIOD NOVEMBER 16 THRU 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 TO 90 LBS/1000 SQ FT) OR UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

**PERMANENT SEEDING NOTES**

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

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

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 UREAFORM FERTILIZER (9 LBS/1000 SQ FT).
- 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE 992 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 THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ FT) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU 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) OR UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

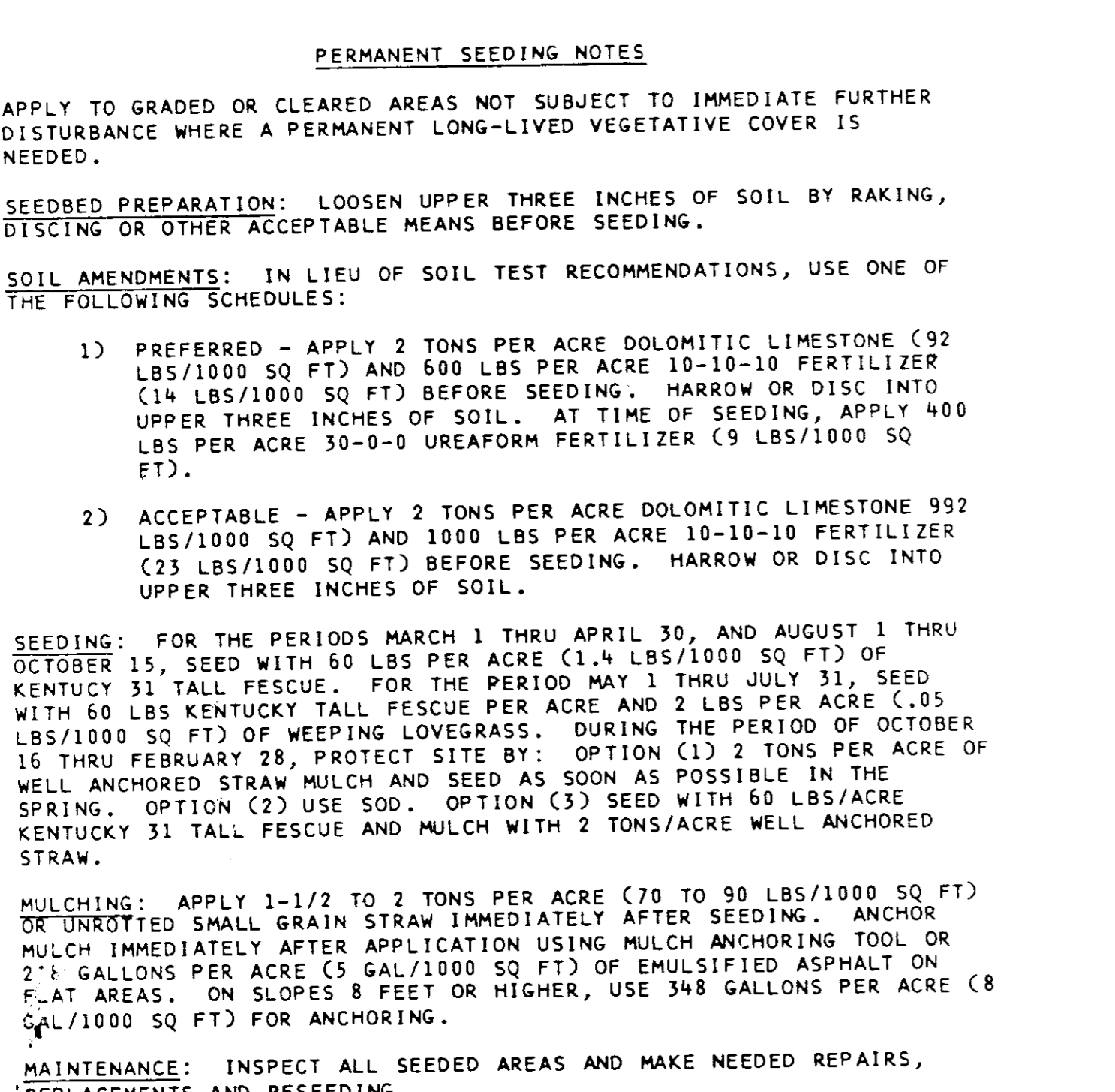
*Thomas P. Sheehan* 12/23/86  
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:

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

*Thomas P. Sheehan* 12/23/86  
 SIGNATURE OF ENGINEER DATE

OWNER: EXXON COMPANY, U.S.A.  
 11350 MCCORMICK RD.  
 HUNT VALLEY, MD 21031  
 c/o THOMAS SHEEHAN TEL. 628-6663



**STV / LYON ASSOCIATES**  
 Engineers Surveyors Planners  
 21 Governor's Court Baltimore, Maryland 21207  
 Telephone : 301-944-9112

REVISIONS		
NO.	DATE	DESCRIPTION

EXXON COMPANY USA  
 PROJECT ENGINEER: THOMAS DUPLESSIS  
 11350 MCCORMICK RD. HUNT VALLEY, MD. 21031  
 TEL. 785-6634

**PLAN PREPARATION**

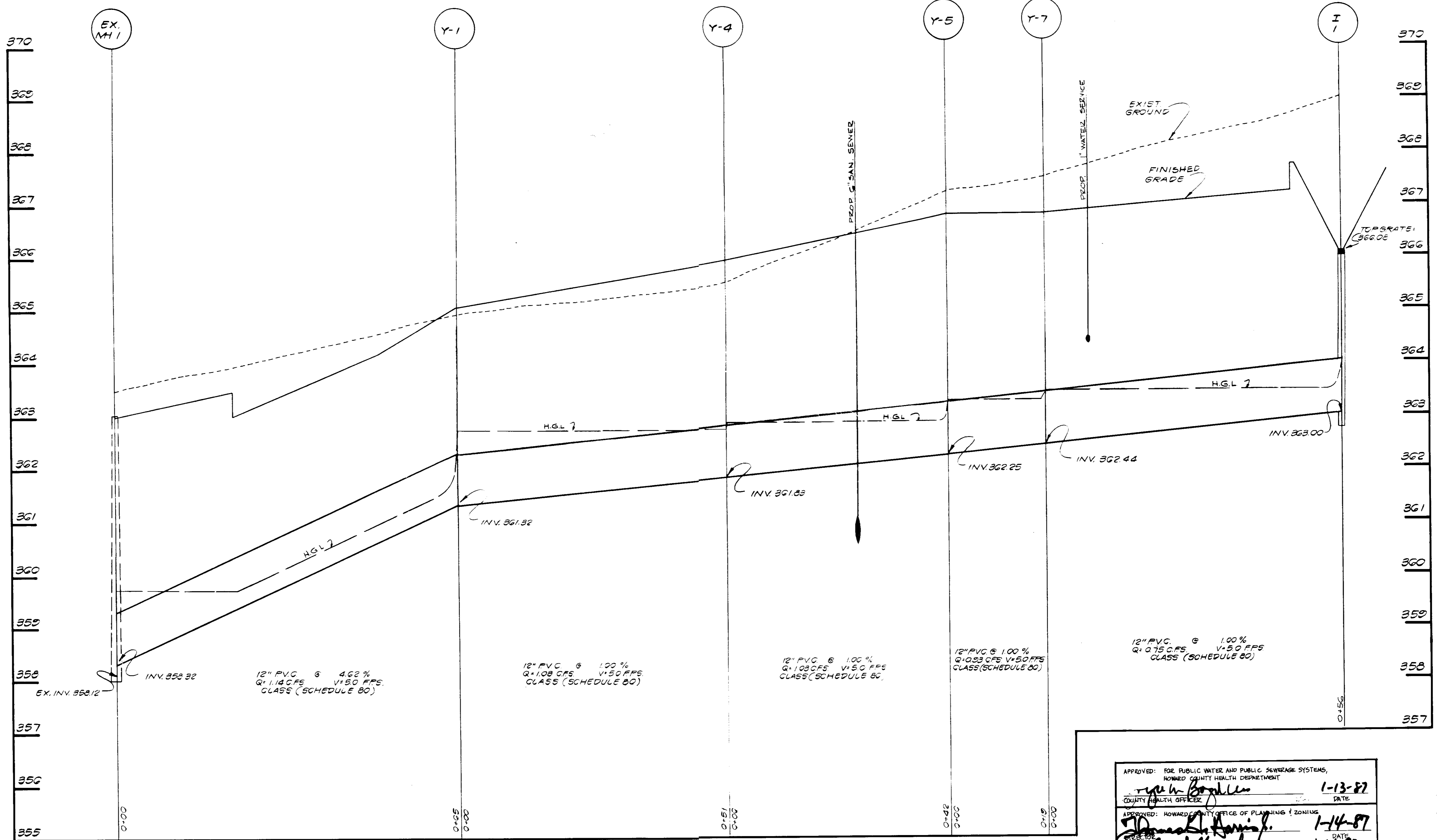
DRAWN BY: D. WITTLE DATE: JUNE 26, 1986  
 DESIGNED BY: SHARON H-P. SCALE: NOT TO SCALE  
 CHECKED BY: E.J.M.

**& LANDSCAPE DETAILS**  
 "VILLAGE OF KING'S CONTRIVANCE"  
 PARCEL C, SECTION 2, AREA 4  
 6TH ELECTION DISTRICT, HOWARD CO., MD.

**DRAWING NO.**  
 7730-53-017

**SHEET NO.**  
 6 of 8

SDP-87-23c



STORM DRAIN AND CANOPY DRAIN PROFILES

SCALE HOR 1"=10'  
VERT 1"=1'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT COUNTY HEALTH OFFICER	<i>[Signature]</i> 1-13-87 DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING DIRECTOR	<i>[Signature]</i> 1-14-87 DATE
APPROVED: CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION	<i>[Signature]</i> 1-14-87 DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR	<i>[Signature]</i> 1-7-87 DATE
CHIEF BUREAU OF ENGINEERING	<i>[Signature]</i> 1-7-87 DATE

APPROVED  
PLANNING  
OF HOWARD COUNTY  
DATE 11-12-86  
*[Signature]*

*[Signature]*

**STV / LYON ASSOCIATES**  
Engineers Surveyors Planners  
21 Governor's Court Baltimore, Maryland 21207  
Telephone : 301-944-9112

REVISIONS	
NO	DATE DESCRIPTION

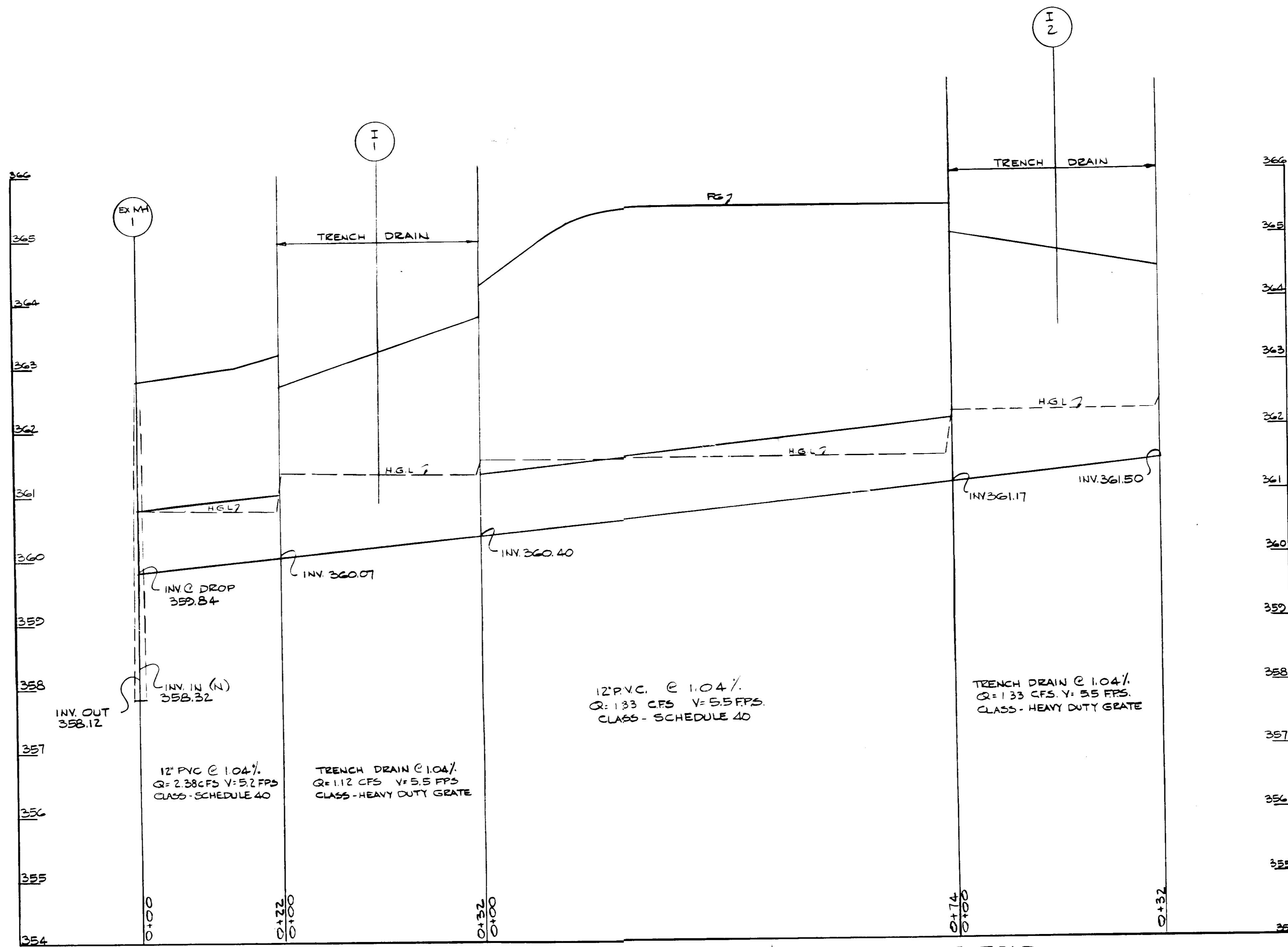
EXXON COMPANY, U.S.A.  
PROJECT ENGINEER: THOMAS DUPLESSIS  
11350 McCORMICK RD. HUNT VALLEY, MD. 21031  
TEL. 785-6634

PLAN PREPARATION	
DRAWN BY S.J.C.	DATE 11/17/86
DESIGNED BY E.J.M.	SCALE AS SHOWN
CHECKED BY ΔWR	

STORM DRAIN PROFILES  
VILLAGE OF KING'S CONTRIVANCE  
PARCEL C, SECTION 2, AREA 4  
6TH ELECTION DIST., HOWARD CO., MD.

DRAWING NO.  
7730-53-017  
SHEET NO.  
7 of 8

SDP-87-23



STORM DRAIN PROFILES ALONG WEST R/W LINE OF PRIVATE ROAD

SCALE: HOR. 1" = 10'  
VERT. 1" = 1'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
*Joseph P. ...* 1-13-87  
 COUNTY HEALTH OFFICER DATE  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*Thomas Duplessis* 1-14-87  
 DIRECTOR DATE  
*John W. ...* 1-14-87  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James ...* 1-15-87  
 DIRECTOR DATE  
*...* 1-7-87  
 CHIEF BUREAU OF ENGINEERING DATE

APPROVED  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE 11-12-86  
*...*

**STV / LYON ASSOCIATES**  
 Engineers Surveyors Planners  
 21 Governor's Court Baltimore, Maryland 21207  
 Telephone : 301-944-9112

REVISIONS		
NO.	DATE	DESCRIPTION

**EXXON COMPANY, U.S.A.**  
 PROJECT ENGINEER: THOMAS DUPLESSIS  
 11350 McCORMICK RD. HUNT VALLEY, MD. 21031  
 TEL 785-6634

PLAN PREPARATION	
DRAWN BY E.J.M.	DATE 11/22/86
DESIGNED BY E.J.M.	SCALE AS SHOWN
CHECKED BY AWR	LOC. NO. 2-8165

**STORM DRAIN PROFILES**  
 "VILLAGE OF KING'S CONTRIVANCE"  
 PARCEL C, SECTION 2, AREA 4  
 6TH ELECTION DIST., HOWARD CO., MD.

**DRAWING NO.**  
 7730-53-017  
**SHEET NO.**  
 8 of 8

SDP-87-234