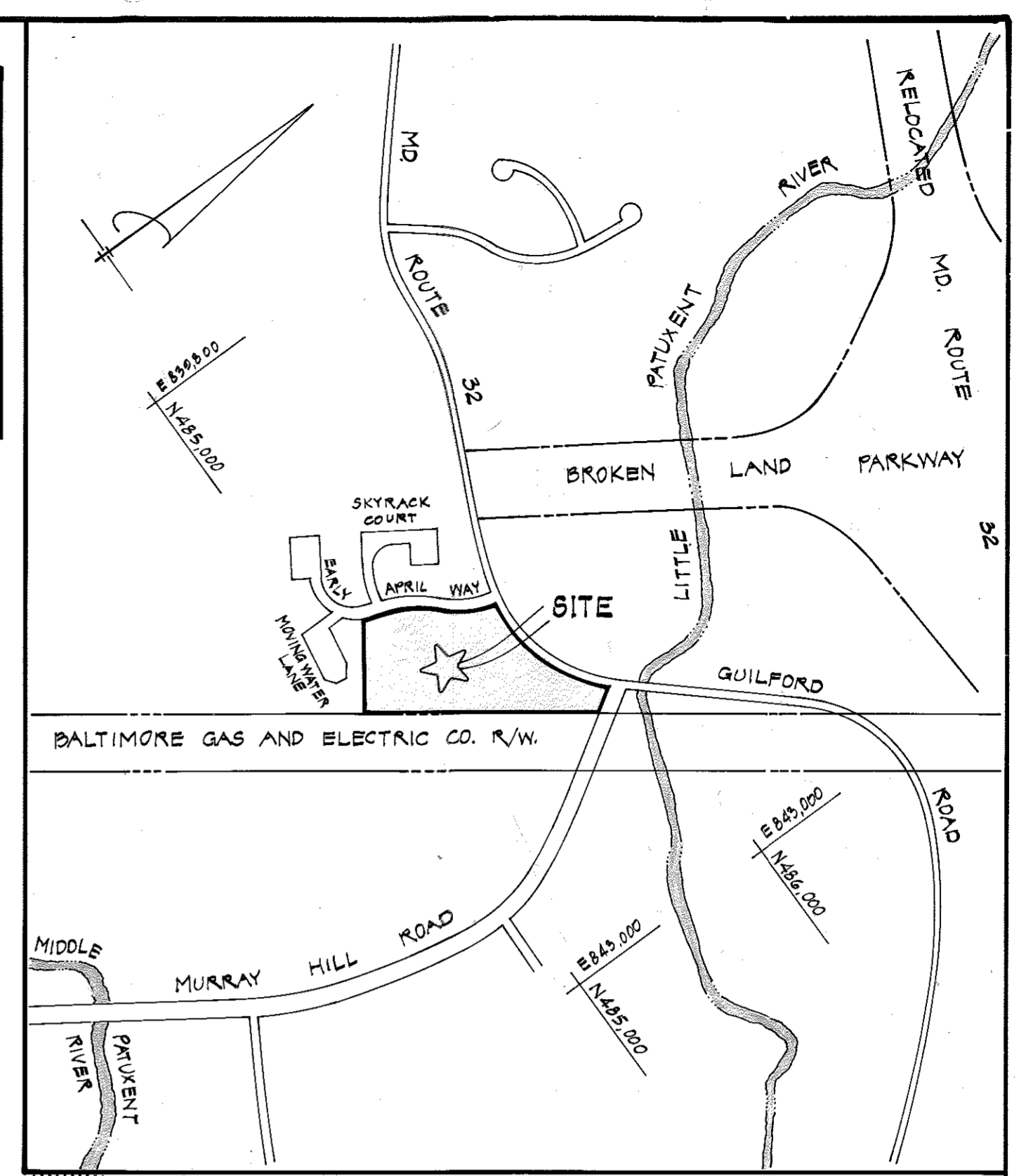


DRAWING INDEX	
NO.	DESCRIPTION
1	TITLE SHEET & PRIVATE SEWER AND STORM DRAIN
2	SITE PLAN
3	GRADING PLAN
4	LANDSCAPE PLAN
5	SEDIMENT CONTROL PLAN
6	SEWER AND STORM DRAIN PROFILES



LOCATION PLAN
SCALE: 1"=600'
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 9-21-83
8/11/83

- GENERAL NOTES**
- All sewer mains shall be C.S.P.X., V.C.P.X., A.C.P. Class 2400, or P.V.C. D.R.R.-35 unless otherwise noted.
 - The contractor shall provide a joint in all sewer main within 2'-0" of exterior manhole wall.
 - All manholes shall be 4'-0" inside diameter, unless otherwise noted.
 - Property is on Tax Map number 42, Block 15
 - Pedestrian walkways to be provided in accordance with Howard County regulations.
 - Typical parking spaces 9' x 20'
 - All Stop signs to be placed as directed by the Howard County Dept. of Public Works.
 - Fill to be compacted to 95% maximum density
 - Existing zoning NT - New Town
 - On site streets & parking areas are private.
 - All provisions of the Maryland state building code for the Handicapped are to be provided.
 - Topography is field run by Kiddie Consultants Inc., Dated Feb 1983 using Bench Mark #297 (nail in curb) as shown on drawing No. 1
 - Contractor to notify the following utilities at least five (5) days before starting work shown on this/these drawings:
C&P Telephone Company 725-0976
Howard County Bureau of Utilities 292-2366
AT&T Cable Location Division 303-3559
Baltimore Gas and Electric Company 685-0129
Howard County Construction / Inspection Survey 292-2417
Division 24 hours in advance of commencement of work. 2418
 - Storm Water Management is provided offsite under other contracts.
 - Existing tree groups to be saved are to be protected with snow fence before grading begins.
 - Borings shown on the site plan were taken by the Soil and Foundation Consultants Inc.
 - SIDEWALKS SHALL BE CONSTRUCTED AS SHOWN ON THE "SITE PLAN" SHEET 2. SIDEWALKS SHOWN ON OTHER DRAWINGS ARE SHOWN FOR APPROXIMATE LOCATION ONLY.

DESIGN DATA (10YR. STORM)

LOCATION	AREA	ACRES	COEFF. "C"	CA	EA	TIME CONC. - MIN	INTEN. "I"	R * CIA	PIPE N * 0.014				
FROM	TO	SUB. TOTAL				INLET	DRAIN	TOTAL	SIZE	SLOPE	VEL.	LGTH.	
I-2A	I-2	A	0.84	0.58	0.49	7.0	7.0	7.7	3.77	15'	0.37	3.0	70
-	I-2	B	0.08	0.65	0.64	7.0	7.0	7.7	4.93	15'	0.37	3.0	70
I-2	I-1	A-B	1.82			7.0	0.4	7.4	7.91	15'	1.7	6.3	240
-	I-1	C	1.31	0.62	0.81	7.0	7.0	7.7	6.24	15'	1.7	6.3	240
I-1	MH	A-C	3.13			7.0	0.6	7.6	13.19	18'	1.7	7.2	110
I-3	MH	D	0.78	0.62	0.48	7.0	7.0	7.7	3.70	15'	0.37	3.0	125
MH	INLET	A-D	3.91			8.0	0.3	8.3	16.21	24'	0.58	3.2	-
I-7	I-6	E	0.41	0.65	0.27	8.0	8.0	7.1	1.92	15'	0.10	1.5	114'
I-6	I-6	F	0.60	0.66	0.40	10.0	10.0	6.6	2.64	15'	0.53	3.6	92'
I-6	I-4	E-F	1.01			10.0	6.6	4.42	15'	0.53	3.6	92'	
I-5	I-4	G	0.92	0.62	0.57	10.0	10.0	6.6	3.76	15'	0.37	3.0	114'
I-4	EXIST.	E-G	2.74			10.0	6.6	6.4	11.07	15'	0.37	3.0	92'

EXISTING WALL PLAN
SCALE: 1"=50'

ADDRESS CHART

BUILDING NO.	STREET ADDRESS
6	8901 8903 8905 EARLY APRIL WAY
7	8911 8915 8919 8917
3	8921 8925
4	8931 8935 8937
5	8941 8945
2	8951 8955
1	8961 8963 EARLY APRIL WAY

SITE ANALYSIS

AREA: 9.067
ZONING: NEW TOWN, APARTMENTS, F.D.P. 100-A1 PART II

DWELLING UNITS:
PERMITTED: 166 PROPOSED: 166

BUILDING	UNITS
1	20
2	24
3	20
4	32
5	20
6	20
7	32
TOTAL	166

OTHER STRUCTURES:
CLUB-HOUSE: 3,524 SQ.FT.
MAINTENANCE BLDG.: 600 SQ.FT.
OUTSIDE STORAGE: 500 SQ.FT.
CARPORTS WITH 2 P.S. EACH: 21

PARKING:
REQUIRED: 252 (1.5 X 166)
PROPOSED: 292
42 P.S. TO BE IN CARPORTS (9'x18' WITH 2' OVERHANG)
7 P.S. TO BE FOR HANDICAPPED
40 TO BE COMPACT SPACES @ 8'x18' (SEE F.D.P. ITEM 98)

AREA ANALYSIS

ITEM	% OF TOTAL SITE
APARTMENTS	16.4%
CLUB HOUSE	0.7%
MAINT. BLDG.	0.2%
GARAGES	1.5%
TOTAL	18.8%

APARTMENT UNIT TYPES: GROSS AREA

1.1	54	680 SF BED-BATH
1.1D	24	708 SF BED-BATH-DEN
2.1V	10	897 SF 2 BED-BATH
2.1VD	12	904 SF 2 BED-BATH DELUXE
2.2	54	988 SF 2 BED-2 BATH
3.2	54	1,073 SF 3 BED-2 BATH

SDP-84-28 c

SUBDIVISION NAME	SECTION 3 AREA 2	PARCEL 2
VILLAGE OF KING'S CONTRIVANCE		
PLAT # 5407	BLOCK # 14	ZONE NT-APT
WATER CODE	TAX/ZONE MAP 42	ELECT. DIST. G
	SEWER CODE	CENSUS TR. 6062

KING'S CROSSING

VILLAGE OF KING'S CONTRIVANCE SECTION 3 AREA 2

SEAL FOR EXPANDED POOL DECK, FENCE AND RETAINING WALL EXTENSION
COLBERT NITZ ROSENFELDT, INC.
Engineers-Surveyors-Planners
2835 Smith Avenue, Suite G
Baltimore, Maryland 21209

Professional Certification
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 15104. Expiration Date: 10/11/2010

Drafting	DATE	REVISIONS	APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND ROADS	APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING AND ZONING
K.B.H.	10-27-83	EXPANDED POOL DECK	10-27-83	10-28-83
Check	10-28-83	PER H.R.D. COMMENTS	10-28-83	10-28-83
Design				
Check				

KING'S CROSSING
IN THE VILLAGE OF KING'S CONTRIVANCE
COLUMBIA, MARYLAND
THE OXFORD GROUP
4351 GARDEN CITY DRIVE
LANDOVER, MARYLAND 20785

GEORGE EVANS ASSOCIATES, INC.
STRUCTURAL ENGINEERS
130 WEST HAMILTON STREET
BALTIMORE, MARYLAND 21201

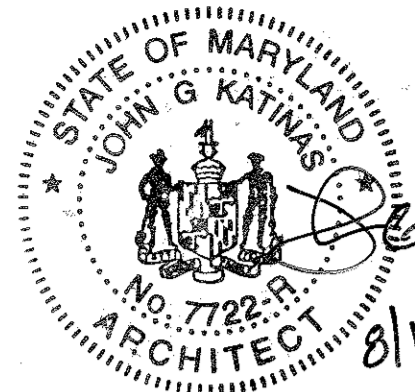
BURDETTE, KOEHLER & MURPHY
MECHANICAL/ELECTRICAL ENGINEERS
VILLAGE OF CROSS KEYS
BALTIMORE, MARYLAND 21211

KIDDE CONSULTANTS, INC.
CIVIL ENGINEERS
LANDSCAPE ARCHITECTS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

BROWNE, WORRALL & JOHNSON, INC.
ARCHITECTS
2435 North Calvert Street
Baltimore, Maryland 21218
(301) 467-3760

SDP-84-28 c

KING'S CROSSING
VILLAGE OF KING'S CONTRIVANCE
SECTION 3 AREA 2
JULY 20, 1983
PARCEL "A" TAX MAP 42
ELECTION DISTRICT G HOWARD COUNTY, MD.
RECORDED PLAT NO 5407 SHEET 1 OF 6



For Revision No 5

EARLY COURT

SKYROCK

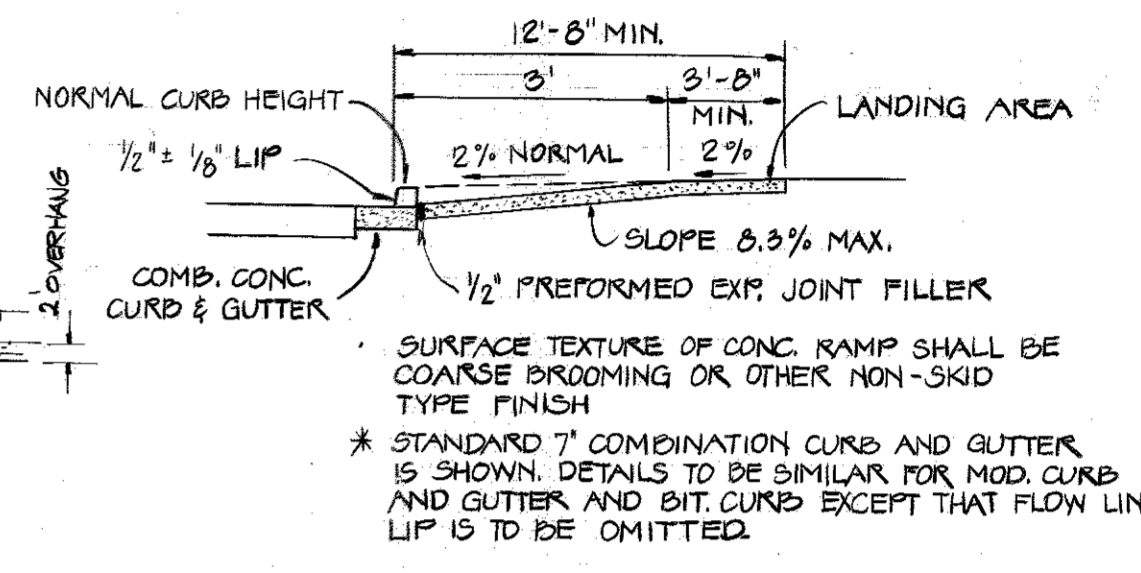
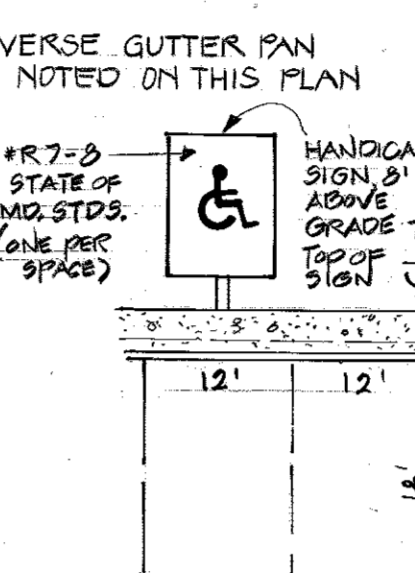
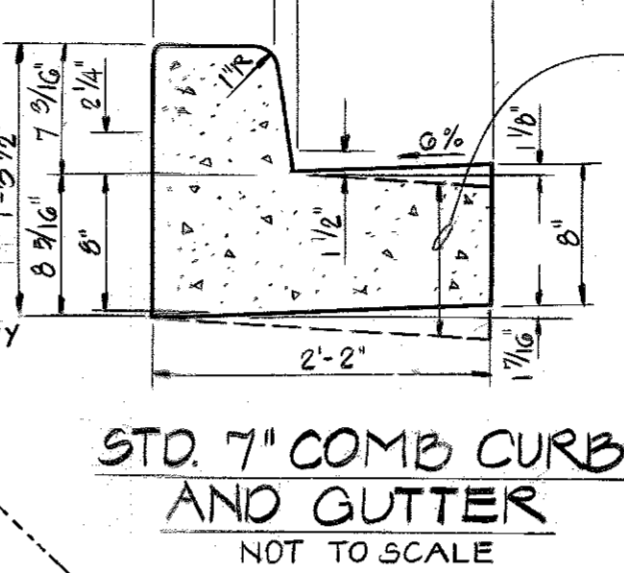
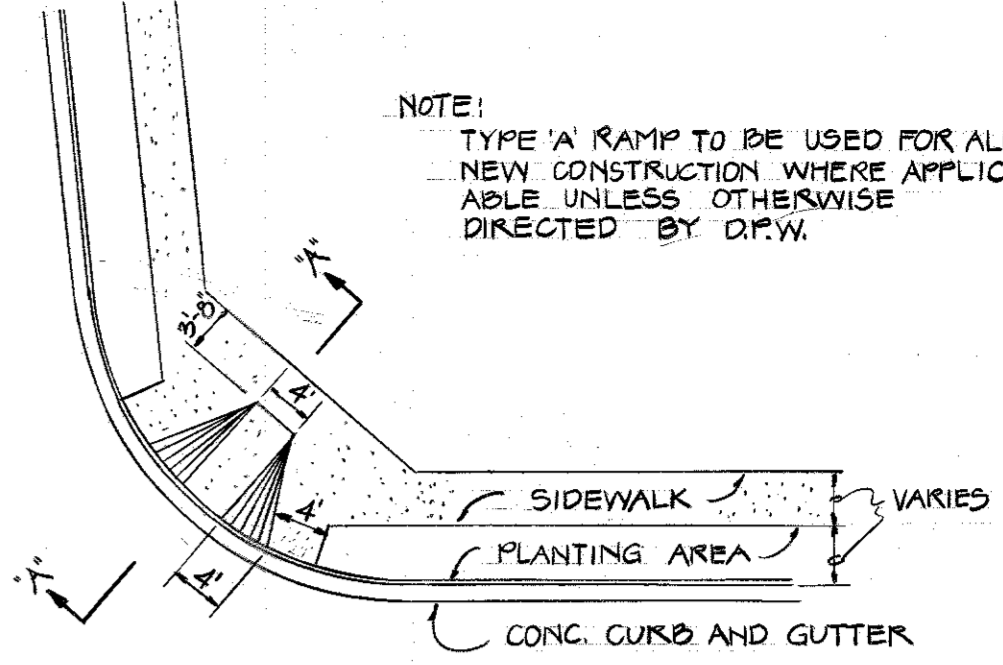
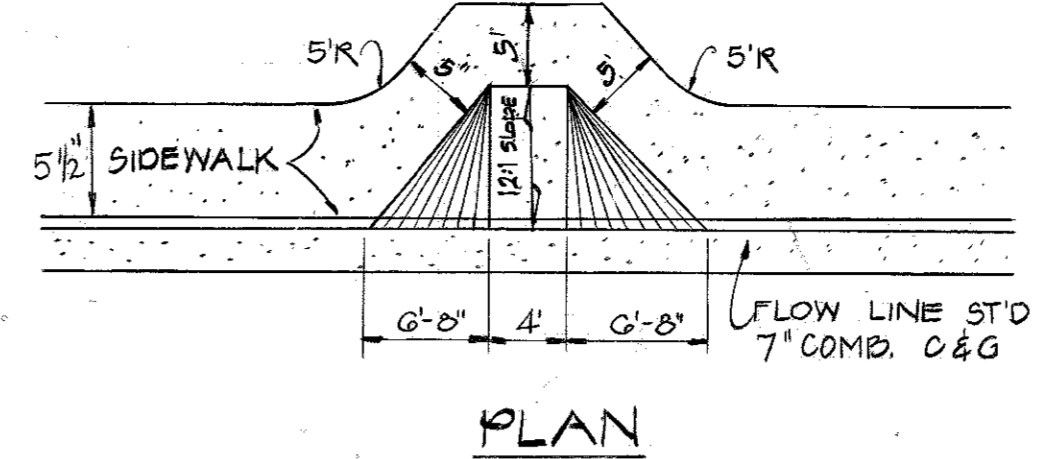
APRIL WAY

NEW PAVING

EXISTING PAVEMENT TO BE REPLACED

GULFORD WAY

MURRAY HILL ROAD

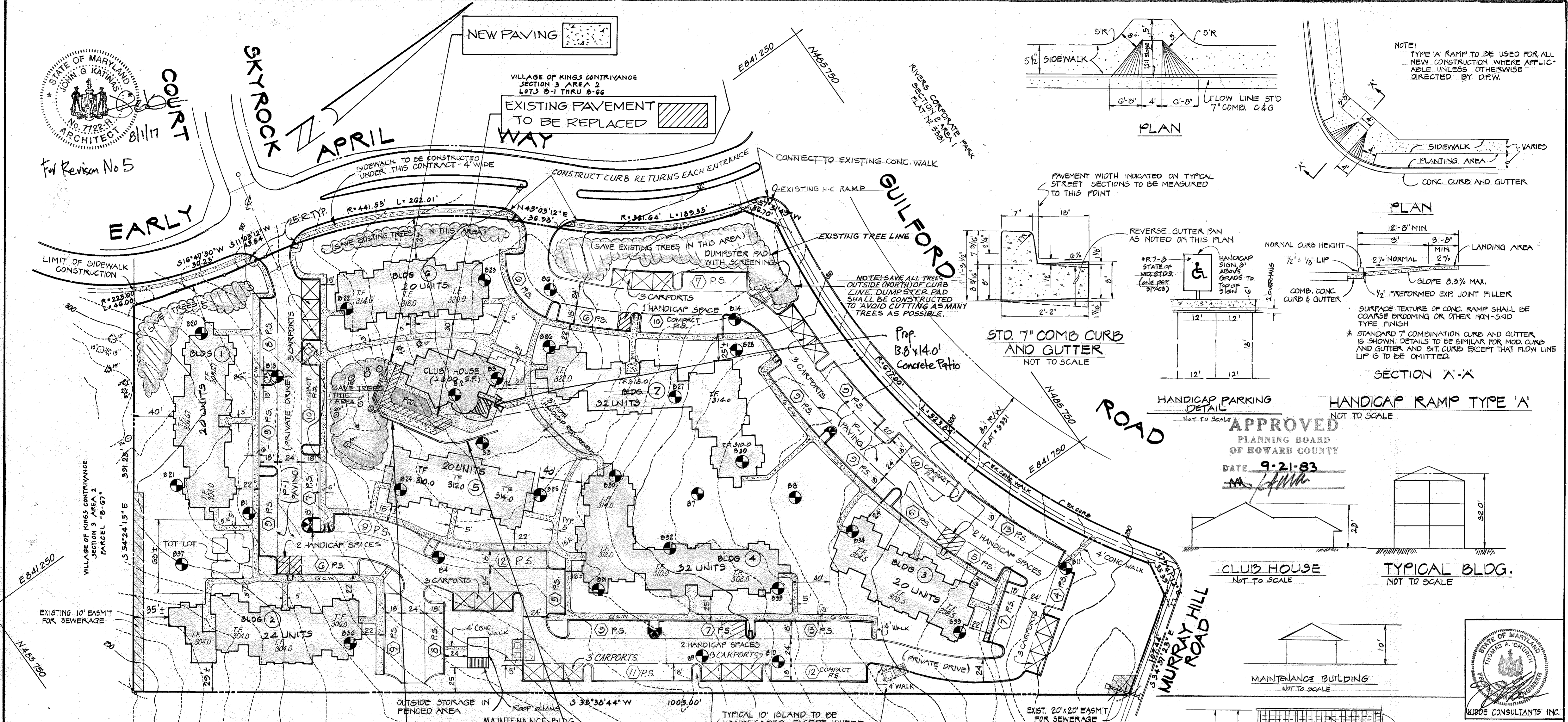
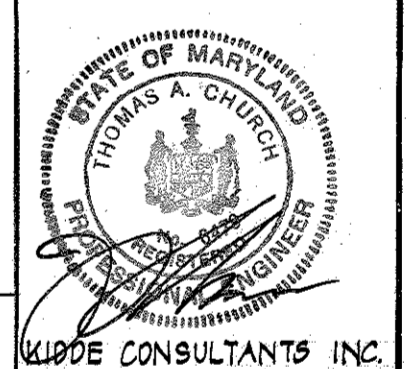


APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 9-21-83
[Signature]

CLUB HOUSE
NOT TO SCALE

TYPICAL BLDG.
NOT TO SCALE

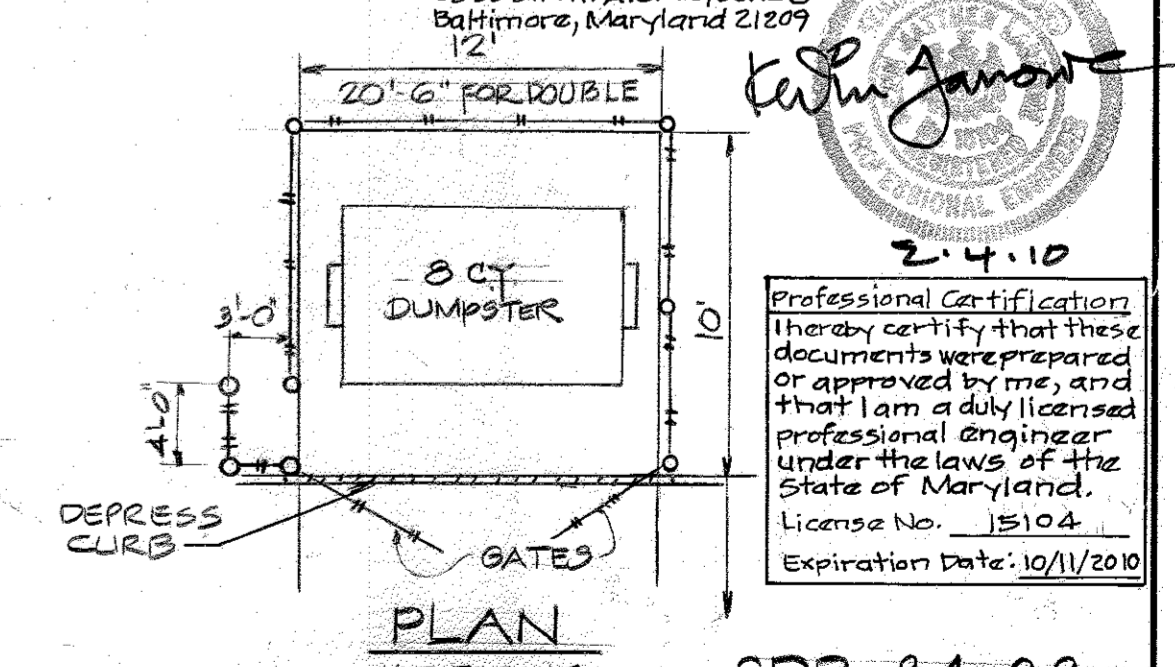
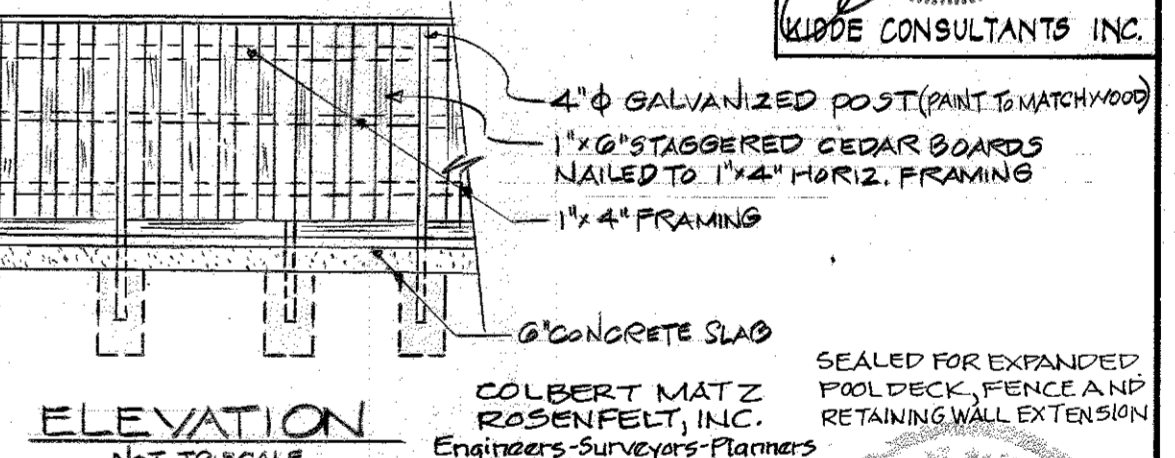
MAINTENANCE BUILDING
NOT TO SCALE



PLAN
SCALE: 1"=50'

BITUMINOUS CONC. SURFACE	BITUMINOUS CONC. SURFACE	1 1/2"
BITUMINOUS CONC. BASE	BITUMINOUS CONC. BASE	2 1/2"
4" CRUSHER RUN BASE COURSE OR 1" DENSE GRADED AGGR. GATE BASE COURSE	* BROWSE RUN BASE COURSE (2 COURSES) OR G DENSE GRADED STAG AGGREGATE BASE CO.	*
(ALTERNATE)	(ALTERNATE)	
BITUMINOUS CONC. SURFACE	BITUMINOUS CONC. SURFACE	1 1/2"
BITUMINOUS CONC. BASE	BITUMINOUS CONC. BASE	2 1/2"
5" PAVING (P. 1)	6 1/2" PAVING (P. 2)	5"
PRIVATE PAVING	PUBLIC PAVING	

- DUMPSTER NOTES**
1. SITE SHALL HAVE 5-8 CY. CONTAINERS
 2. DUMPSTER ENCLOSURES SHALL HAVE DOUBLE GATES, 12' WIDE.
 3. DOUBLE CONTAINERS SHALL BE PROVIDED NEAR MAINTENANCE BLDG.
 4. SEE HOWARD CO. STANDARDS FOR DUMPSTERS.
 5. SEE ARCHITECTURAL PLAN A-45 FOR ADDITIONAL DETAILS.



Professional Certification
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 15104
Expiration Date: 10/11/2010
[Signature]

KING'S CROSSING
VILLAGE OF KING'S CONTRIVANCE
SECTION 3 AREA 2
JULY 20, 1983
PARCEL "A" TAX MAP 42
ELECTION DISTRICT G HOWARD COUNTY, MD.
RECORDED PLAT NO 5407 SHEET 2 OF 6

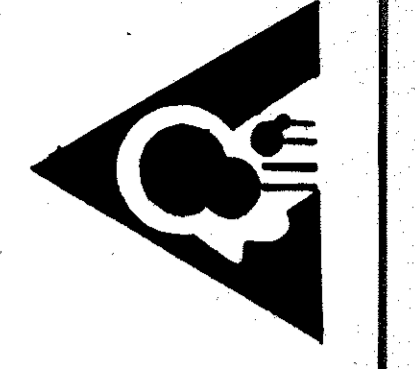
Drafting	K.B.H.	DATE	REVISIONS
Check	R.G.B.	12-7-09	EXPANDED POOL DECK
Design	M.R.S.	10-6-83	PER. H.R.D. COMMENTS
Check	R.G.B.	9-26-83	PER. H.R.D. COMMENTS

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAIN SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature]
DATE 10-25-83
CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT
[Signature]
DATE 10-27-83
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
[Signature]
DATE 10-28-83
PLANNING DIRECTOR
[Signature]
DATE 10-28-83
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

SITE PLAN
PARKING, MISCELLANEOUS DETAILS & DIMENSIONS
SEE PDR PHASE 160 A-1 PART II PLAT # 3054 A 563, 564 and 565



KING'S CROSSING
IN THE VILLAGE OF KING'S CONTRIVANCE
COLUMBIA, MARYLAND
THE OXFORD GROUP
4351 GARDEN CITY DRIVE
LANDOVER, MARYLAND 20785

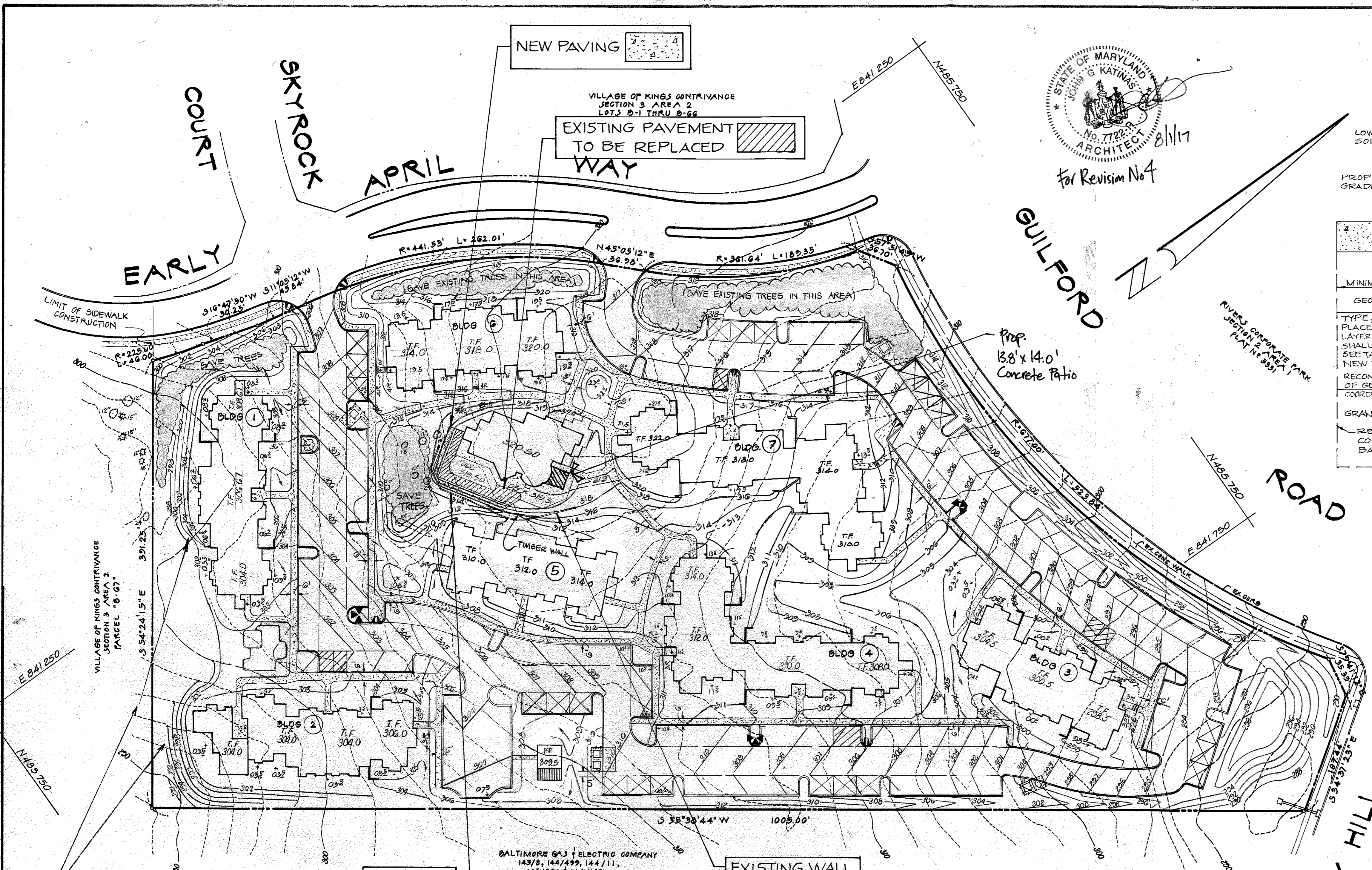
BURDETTE, KOEHLER & MURPHY
MECHANICAL/ELECTRICAL ENGINEERS
VILLAGE OF CROSS KEYS
BALTIMORE, MARYLAND 21211

GEORGE EVANS ASSOCIATES, INC.
STRUCTURAL ENGINEERS
130 WEST HAMILTON STREET
BALTIMORE, MARYLAND 21201
KIDDE CONSULTANTS, INC.
CIVIL ENGINEERS
LANDSCAPE ARCHITECTS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

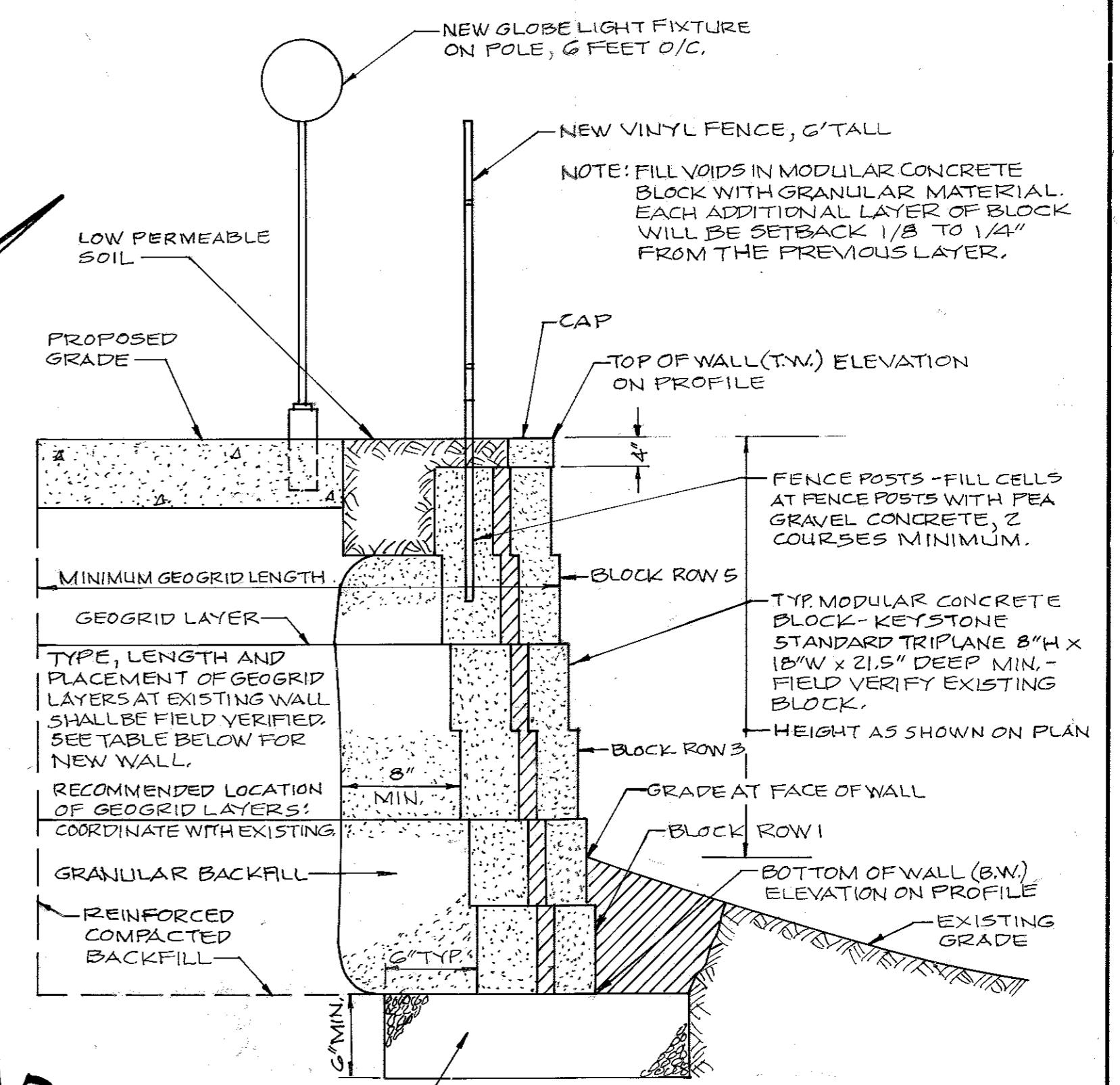
BROWNE, WORRALL & JOHNSON, INC.
ARCHITECTS
2435 North Calvert Street
Baltimore, Maryland 21218
(301) 467-3760



SDP-84-28.



STATE OF MARYLAND
JOHN S. KATINAS
ARCHITECT
No. 7122
8/1/77
For Revision No 4



NOTE: A DETAILED DESIGN AND PLANS SIGNED AND SEALED BY A MARYLAND REGISTERED PROFESSIONAL ENGINEER ARE REQUIRED PRIOR TO BEGINNING ANY RETAINING WALL CONSTRUCTION.

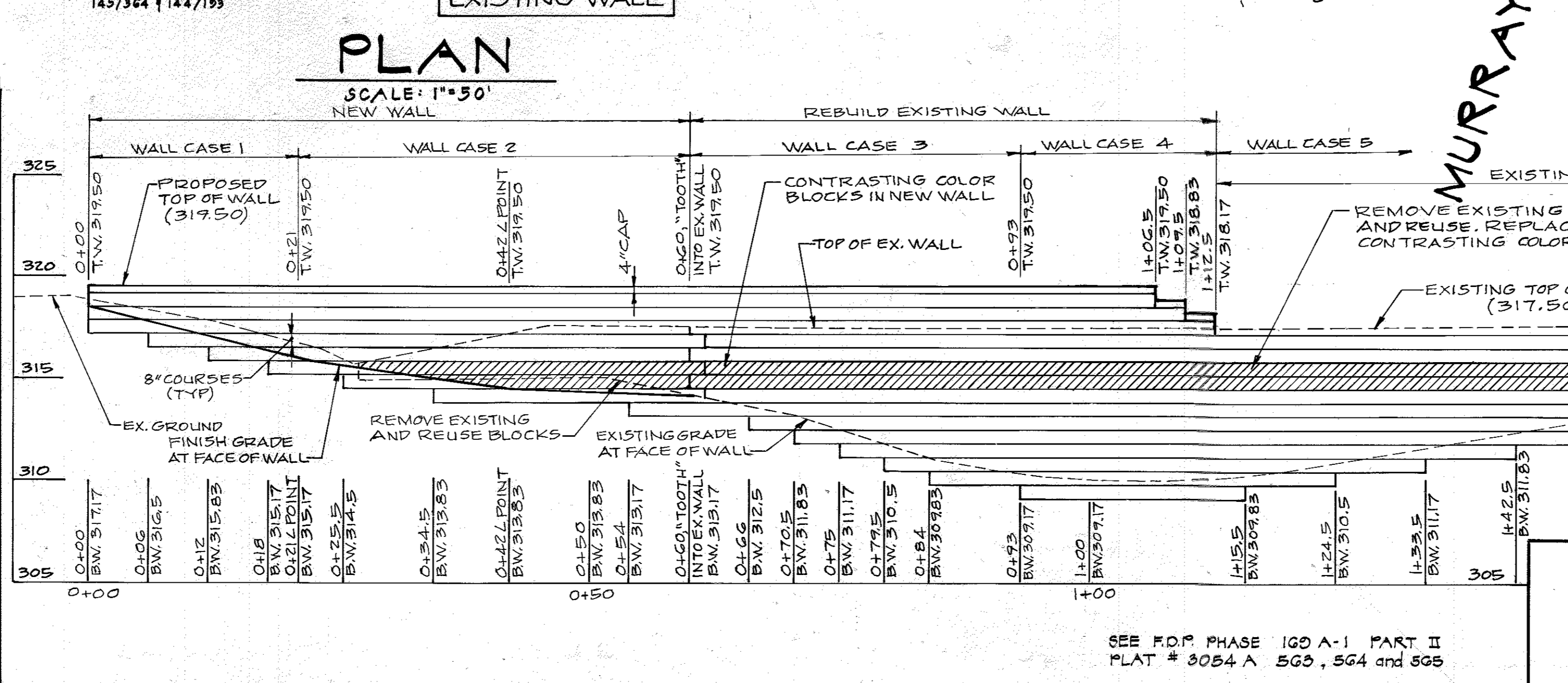
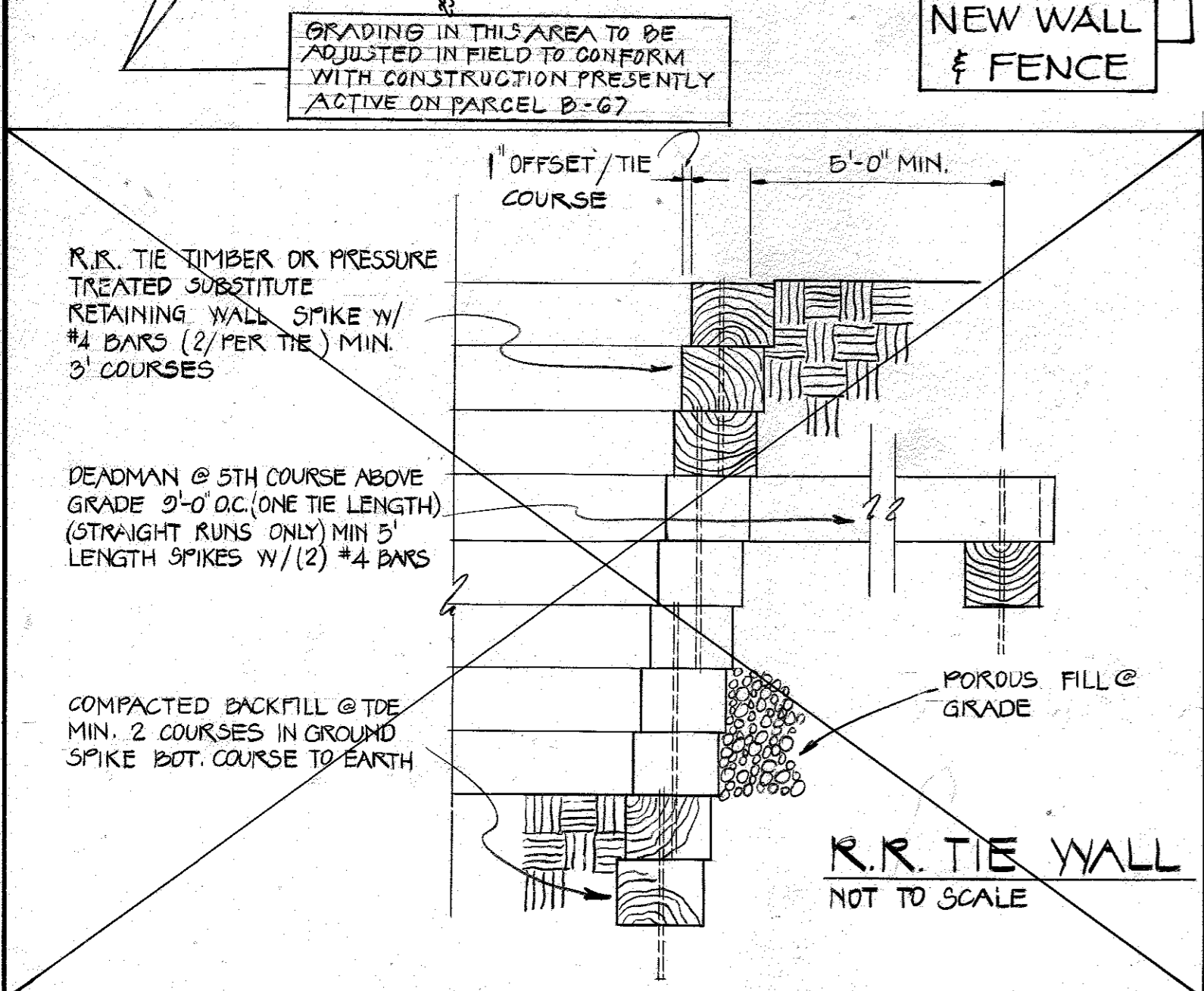
WALL STRUCTURE SCHEDULE

WALL CASE	WALL HEIGHT MAXIMUM	GEORGRID LENGTH MINIMUM	NO. OF GEORGRID LAYERS	GEORGRID LAYER LOCATION AT BLOCK ROW NOS.
1	4.33'	6.00'	1	3
2	7.00'	5.50'	2	3, 7
3	9.33'	6.00'	3	3, 7, 11
4	10.33'	6.50'	4	2, 5, 8, 12
5*	8.33'	5.00'	3	1, 5, 9

* CASE 5: EXISTING WALL

- MATERIAL NOTES:**
- TYPICAL MODULAR CONCRETE BLOCK - KEYSTONE STANDARD TRIPLANE 8"X 18"W X 21" DEEP MIN. FIELD VERIFY EXISTING BLOCK.
 - GEORGRID SHALL BE MIRAFI 3XT GEORGRID OR APPROVED EQUIVALENT.
 - REINFORCED FILL SHALL BE COMPACTED TO 75% MAXIMUM DENSITY, ASTM-D-698.

COLBERT MATZ
ROSENFELD, INC.
Engineers-Surveyors-Planners
2835 Smith Avenue, Suite G
Baltimore, Maryland 21209
SCALED FOR EXPANDED
POOL DECK FENCE AND
RETAINING WALL EXTENSION



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 9-21-83
[Signature]

Professional Certification
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 15104
Expiration Date: 10/11/2010

2-4-10
KIDDE CONSULTANTS, INC.
CIVIL ENGINEERS
LANDSCAPE ARCHITECTS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

Drafting M.E.S.	DATE	REVISIONS
Check R.G.B.	12-7-09	EXPANDED POOL DECK
Design D.A.	10-6-83	PER H.R.D. COMMENTS
Check R.G.B.	9-26-83	PER H.R.D. COMMENTS

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAIN SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR
DATE 10-25-83

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
DATE 10-25-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR
DATE 10-28-83

GRADING PLAN

KING'S CROSSING
VILLAGE OF KING'S CONTRIVANCE
SECTION 3 AREA 2
JULY 20, 1983
PARCEL "A" TAX MAP 42
ELECTION DISTRICT G HOWARD COUNTY, MD.
RECORDED PLAT NO 5407 SHEET 3 OF 6

KING'S CROSSING
IN THE VILLAGE OF KING'S CONTRIVANCE
COLUMBIA, MARYLAND
THE OXFORD GROUP
4351 GARDEN CITY DRIVE
LANDOVER, MARYLAND 20785

GEORGE EVANS ASSOCIATES, INC.
STRUCTURAL ENGINEERS
130 WEST HAMILTON STREET
BALTIMORE, MARYLAND 21201
BURDETTE, KOEHLER & MURPHY
MECHANICAL/ELECTRICAL ENGINEERS
VILLAGE OF CROSS KEYS
BALTIMORE, MARYLAND 21211
KIDDE CONSULTANTS, INC.
CIVIL ENGINEERS
LANDSCAPE ARCHITECTS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

BROWNE, WORRALL & JOHNSON, INC.
ARCHITECTS
2435 North Calvert Street
Baltimore, Maryland 21218
(301) 467-3760

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 9-21-83
M. J. JAMES



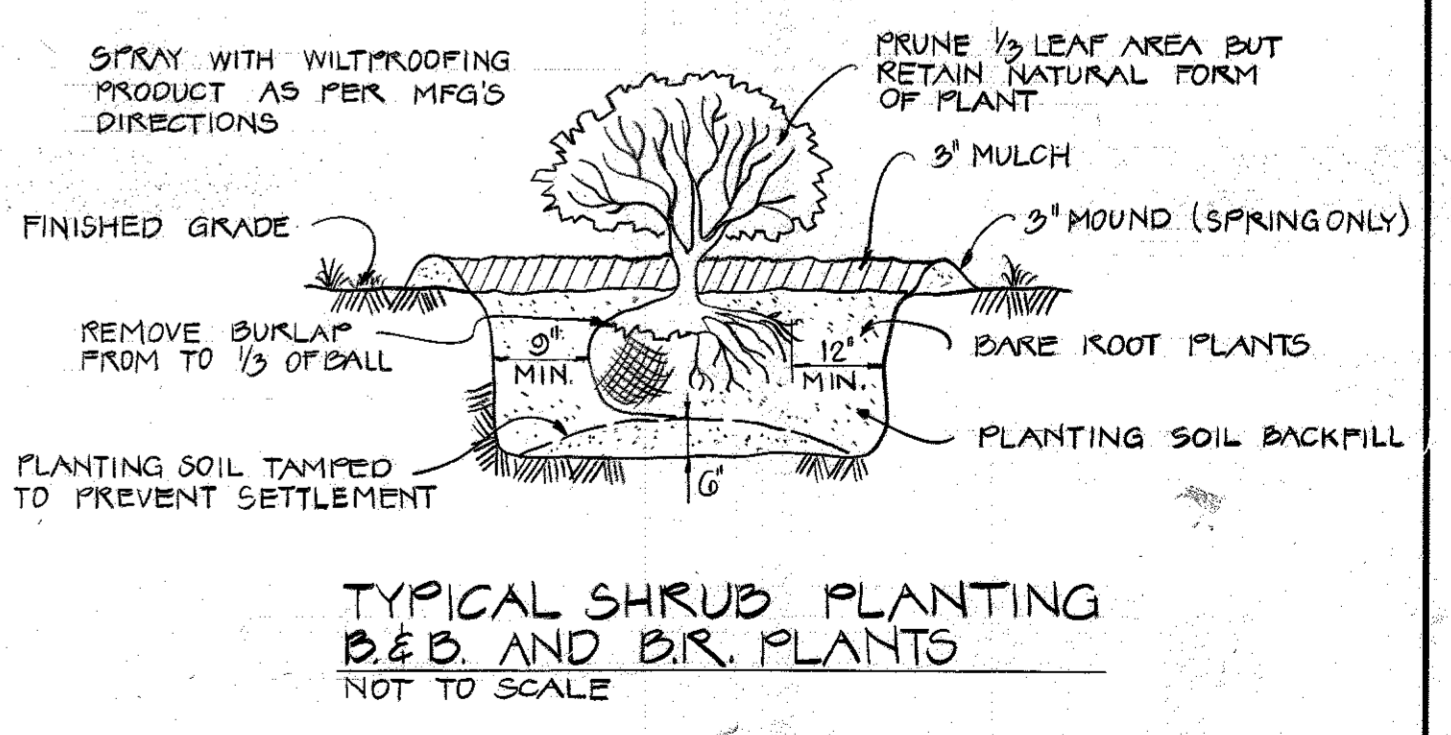
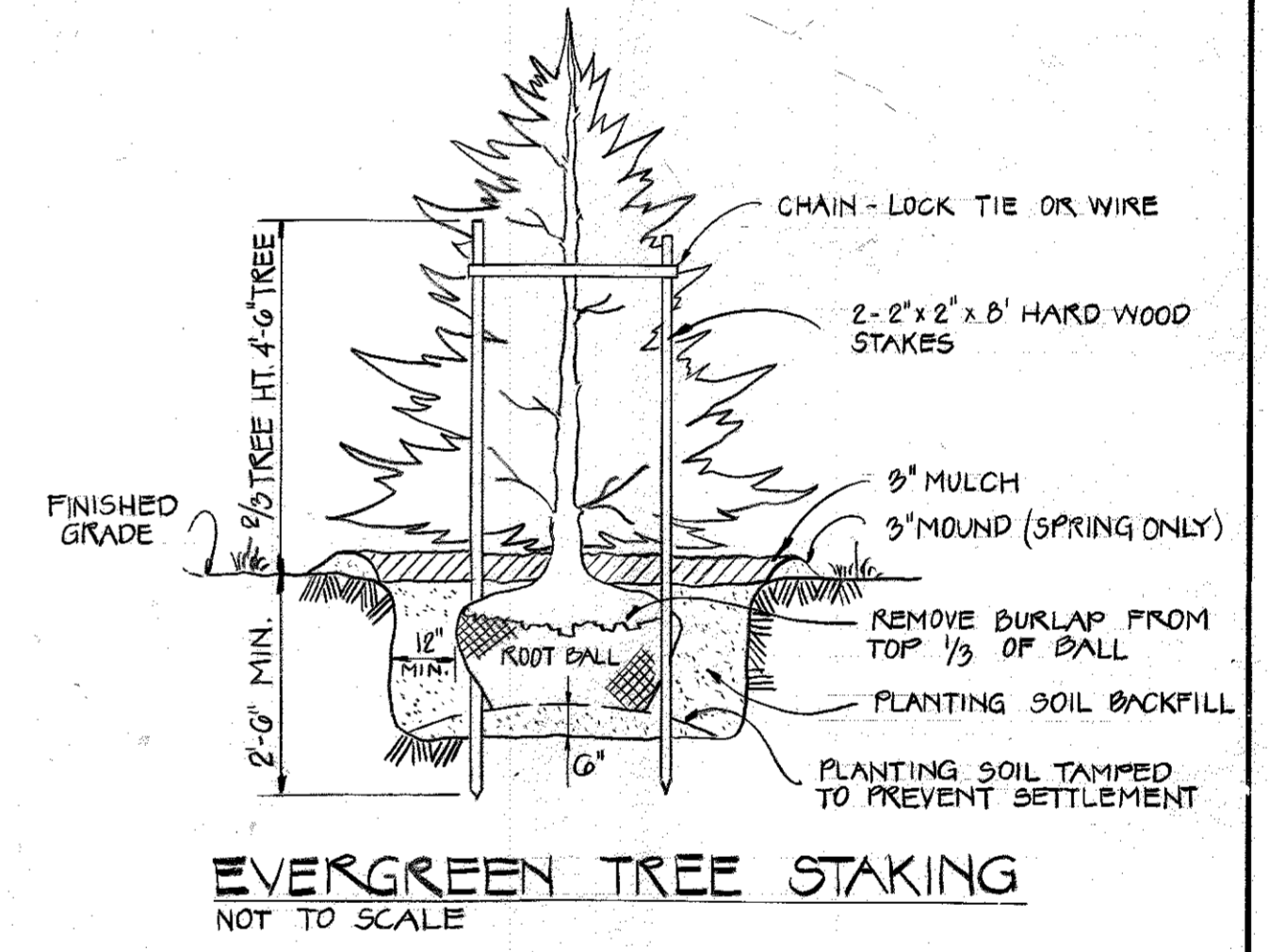
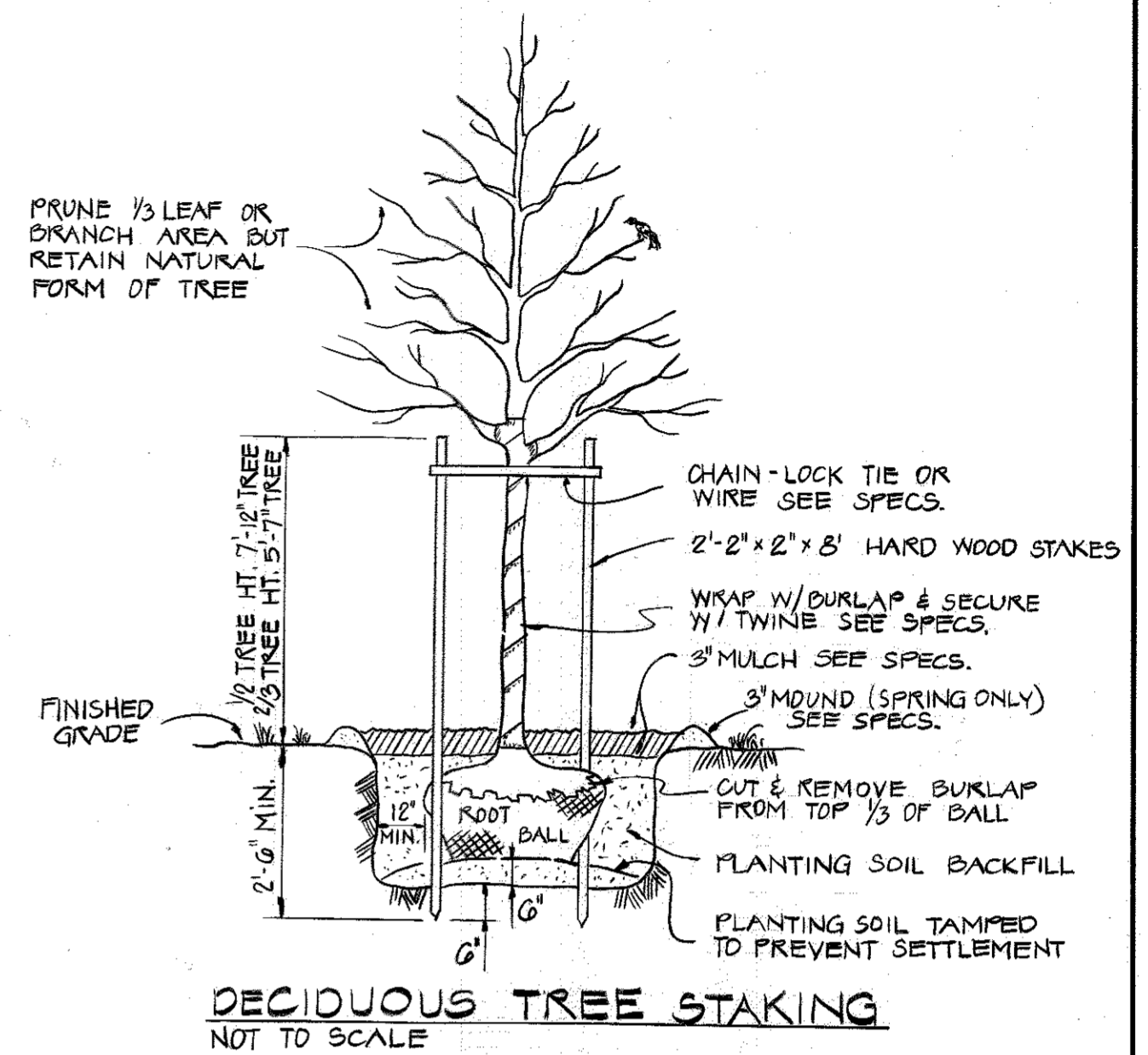
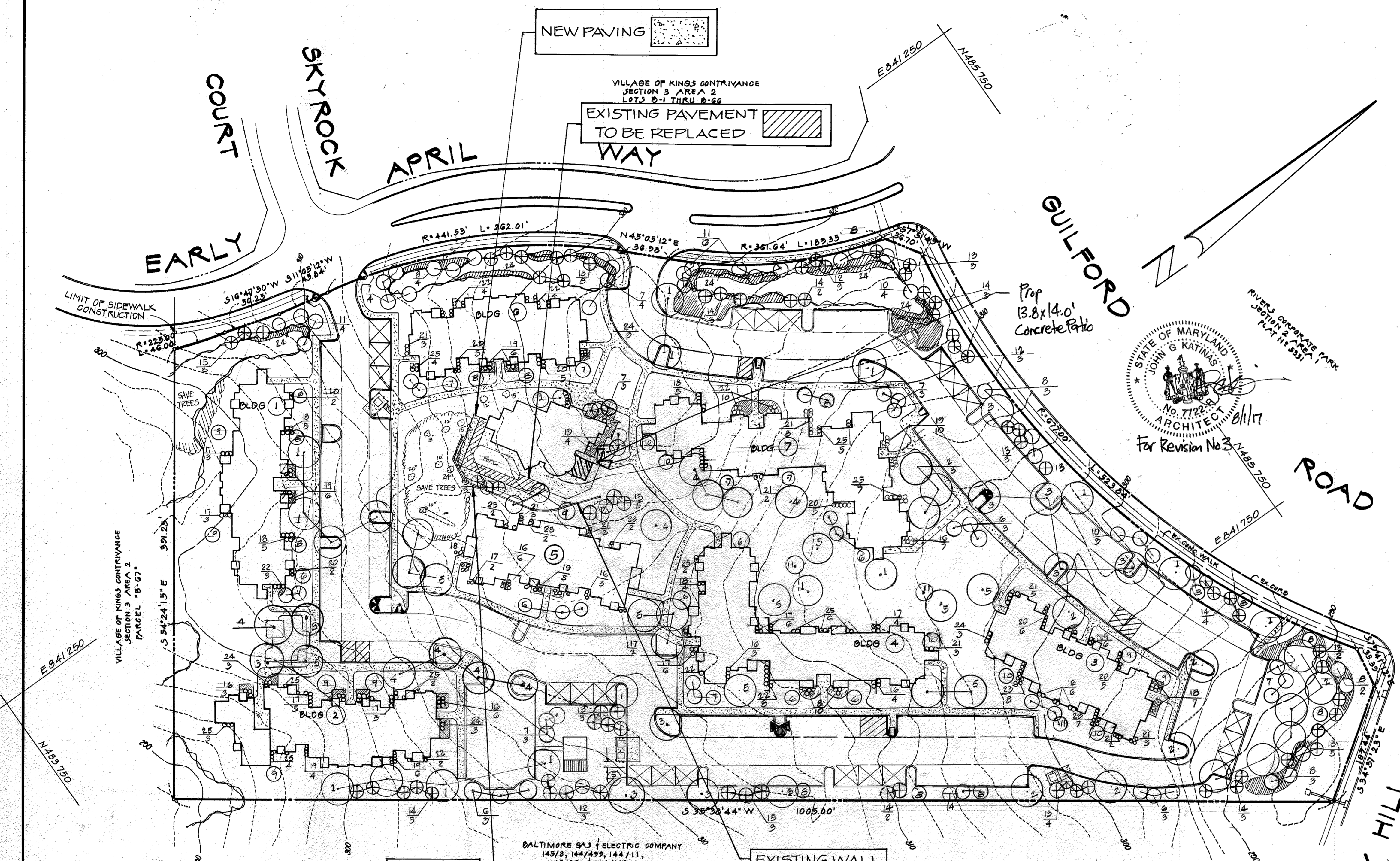
KING'S CROSSING
IN THE VILLAGE OF KING'S CONTRIVANCE
COLUMBIA, MARYLAND
THE OXFORD GROUP
4351 GARDEN CITY DRIVE
LANDOVER, MARYLAND 20785

BURDETTE, KOEHLER & MURPHY
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ARCHITECTS
2435 North Calvert Street
Baltimore, Maryland 21218
(301) 467-3760

SDP-84-28



STATE OF MARYLAND
JOHN G. KATINAS
No. 7122
ARCHITECT
6/11/77
For Revision No. 2

PLAN
SCALE: 1"=50'

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
1	20	Acer Rubrum	October Glory	3 1/2" - 4"	
2	14	Quercus Palustris	Pin Oak	3 1/2" - 4"	
3	17	Quercus Borealis	Red Oak	3 1/2" - 4"	
4	10	Tilia Cordata	Greenspire Linden	3 1/2" - 4"	
5	10	Gleditsia Triacanthos	Shademaster Locust	3 1/2" - 4"	
MINOR TREES :					
6	20	Prunus Ser. Kwanzan	Kwanzan Cherry	10' - 12'	
7	20	Cornus Kousa	Kousa Dogwood	10' - 12'	
8	20	Cornus Florida	Flowering Dogwood	10' - 12'	
9	16	Pyrus Calleryana Bradford	Bradford Pear	10' - 12'	
10	15	Malus Pink Perfection	Malus Pink Perfection	10' - 12'	
11	15	Magnolia Stellata	Star Magnolia	6' - 8'	
EVERGREEN TREES :					
12	15	Pinus Strobus	White Pine	10' - 12'	
13	20	Pinus Strobus	White Pine	8' - 10'	
14	20	Pinus Strobus	White Pine	6' - 8'	
15	12	Picea Abies	Norway Spruce	6' - 8'	

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
16	40	Azalea	Del. V. White	18" - 24"	
17	47	Azalea	Hino Pink	18" - 24"	
18	52	Abelia Grandiflora	Glossy Abelia	24" - 30"	
19	40	Ilex C. Convexa	Convex Leaf Holly	18" - 24"	
20	37	Ilex C. Rotundifolia	Jap. Holly	18" - 24"	
21	30	Ilex Opaca	Nellie Stevens	24" - 30"	
22	40	Toxus Media Browni	Brown Yew	18" - 24"	
23	20	Cotoneaster A.	Skoogholm	18" - 24"	
24	20	Kalmia Latifolia	Mt. Laurel	15" - 18"	
25	30	Pieris Jap	Jap. Andromeda	18" - 24"	
GROUND COVER :					
26		Pachysandra Ter.	Jap. Pachysandra	2 yr.	
27		Vinca Minor	Myrtle	2 yr.	

LEGEND :
10 - Key Number
5 - Quantity

SEALED FOR EXPANDED POOL DECK, FENCE AND RETAINING WALL EXTENSION
COLBERT MATE ROSENFELT, INC.
Engineers-Surveyors-Planners
2835 Smith Avenue, Suite G
Baltimore, Maryland 21207
Professional Certifications
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 15104, Expiration Date: 10/11/2010

2.4.10
SEE F.P.P. PHASE 109 A-1 PART II
PLAT # 8054 A 562, 564 and 565

KIDDE CONSULTANTS, INC.

PLANTING PLAN
DETAILS AND PLANTING SCHEDULE

KING'S CROSSING
VILLAGE OF KING'S CONTRIVANCE
SECTION 3 AREA 2
JULY 20, 1983
PARCEL "A" TAX MAP 42
ELECTION DISTRICT G HOWARD COUNTY, MD.
RECORDED PLAT NO 5407 SHEET 4 OF 6

Drafting	R.N.S.	DATE	REVISIONS
Check			
Design			
Check	RJB	10-6-83	EXPANDED POOL DECK PER H.R.D. COMMENTS

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAIN SYSTEMS AND ROADS - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
M. F. MUMFORD
DIRECTOR
10-25-83

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
John P. ...
10-27-83

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
10-28-83
PLANNING DIRECTOR
10-28-83

CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

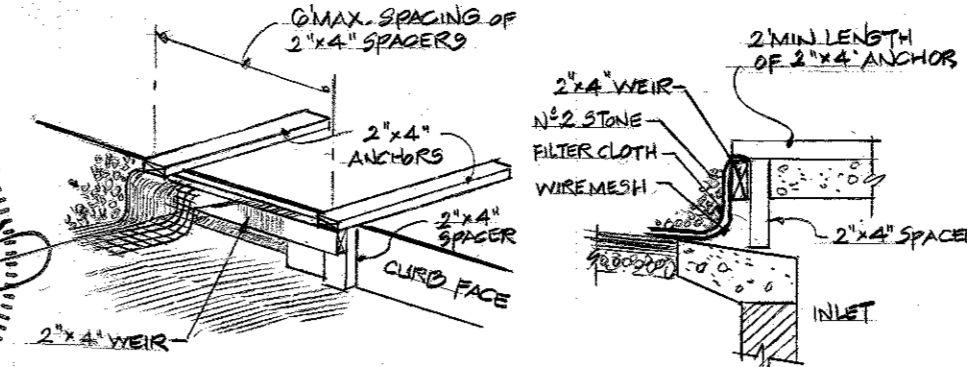
DATE 9-21-83

GENERAL NOTES

- 1) Refer to USDA - Soil Conservation Service "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas" for standard details and detailed specifications of each practice specified herein.
- 2) With the approval of the sediment control inspector, minor field adjustments can and will be made to insure the control of any sediment. Changes in sediment control practices require prior approval of the sediment control inspector and the Howard County Soil Conservation District.
- 3) At the end of each working day, all sediment control practices will be inspected and left in operational condition.
- 4) Any disturbed earth left idle for periods exceeding 30 days shall be stabilized according to temporary stabilization specifications.
- 5) Any change to the grading proposed on this plan requires re-submission to Howard County Soil Conservation District for approval.
- 6) Dust control will be provided for all disturbed areas. Refer to USDA - Soil Conservation Service "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas", pp 62.01 and 62.02 for acceptable methods and specifications for dust control.
- 7) Any variation from the sequence of operations stated on this plan requires the approval of the sediment control inspector and the Howard County Soil Conservation District prior to the initiation of the change.

SEQUENCE OF CONSTRUCTION

- 1) Notify sediment control division 48 hours prior to start of construction.
- 2) Clear and grub for sediment control measures only.
- 3) Grade for sediment control measures in designated areas (care should be taken to avoid damage to existing trees).
- 4) Install perimeter dikes, stabilized construction entrance and silt traps. (Locate dikes and traps so as not to damage existing trees).
- 5) Clear, grub and rough grade remainder of site.
- 6) Install utilities.
- 7) Building construction phase.
- 8) Bring drives and parking to subgrade. Install stone base and curb and gutter. Pave drives and parking.
- 9) Fine grade, seed and mulch all disturbed areas to be vegetatively stabilized.
- 10) Remove temporary sediment control measures after obtaining permission from S.C.D. inspector and fine grade, seed and mulch.

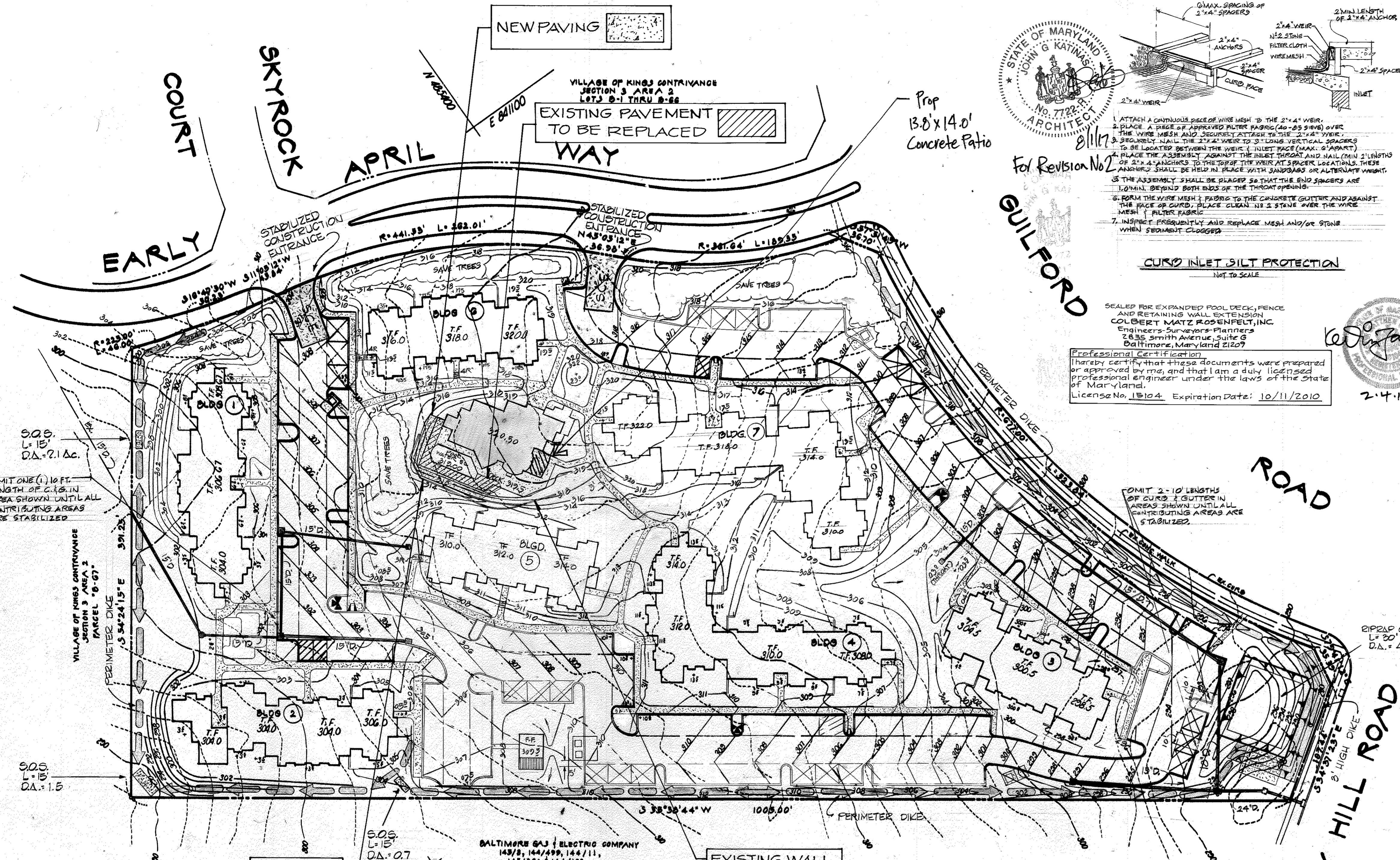
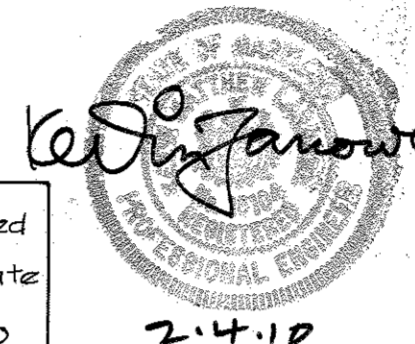


1. ATTACH A CONTINUOUS PIECE OF WIRE MESH TO THE 2" x 4" WEIR.
2. PLACE A PIECE OF APPROVED FILTER FABRIC (20-25 PERCENT OPENING) OVER THE WIRE MESH AND SECURELY ATTACH TO THE 2" x 4" WEIR.
3. SECURELY NAIL THE 2" x 4" WEIR TO 3" LONG VERTICAL SPACERS TO BE LOCATED BETWEEN THE WIRE (INLET FACE (MAX. 6" SPACING)).
4. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MIN. LENGTHS OF 2" x 4" ANCHORS) TO THE TOP OF THE WEIR AT 3" SPACER LOCATIONS. THESE ANCHORS SHOULD BE HELD IN PLACE WITH SANDBAGS OR ALTERNATE WEIGHT.
5. THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE 10" MIN. BEYOND BOTH ENDS OF THE THROAT OPENING.
6. FORM THE WIRE MESH FABRIC TO THE CONCRETE GUTTER AND AGAINST THE FACE OF CURB. PLACE CLEAN #2 STONE OVER THE WIRE MESH & FILTER FABRIC.
7. INSPECT FREQUENTLY AND REPLACE MESH AND/OR STONE WHEN SEDIMENT CLOGGED.

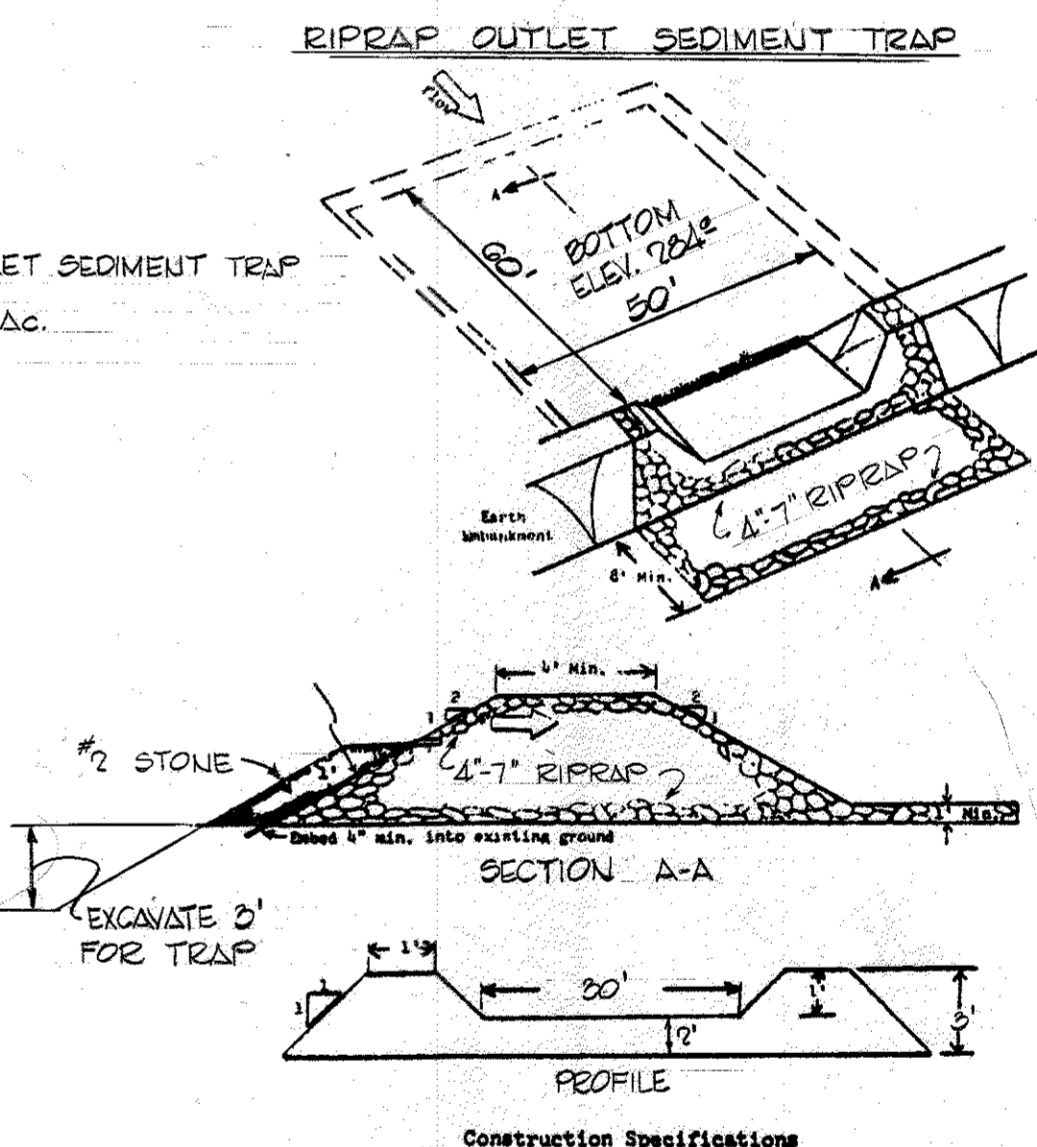
CURB INLET SILT PROTECTION

SEALED FOR EXPANDED POOL DECK, FENCE AND RETAINING WALL EXTENSION
COLBERT MATZ ROSENFELT, INC.
ENGINEERS SURVEYORS PLANNERS
2835 SMITH AVENUE, SUITE G
BALTIMORE, MARYLAND 21209

Professional Certification
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the state of Maryland.
License No. 11804. Expiration Date: 10/11/2010



PLAN
SCALE: 1"=50'



- Construction Specifications
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 2. The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
 3. All out and fill slopes shall be 2:1 or flatter.
 4. The stone used in the outlet shall be small riprap 4" - 7", with a 1" thickness of #4 crushed stone placed on the upgrade side of the small riprap.
 5. Filter cloth will be placed between riprap and #4 stone along inlet face of trap. It shall be embedded a minimum of 4" into existing ground at top of riprap and extended onto crest of exit channel.
 6. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
 7. The structure shall be inspected after each rain and repairs made as needed.
 8. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 9. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
 10. Drainage area for this practice is limited to 3 acres or less. SDR-84-280

NOTE: THIS DRAWING APPROVED IN JUNE 1983 FOR GRADING PERMIT GP-83-99

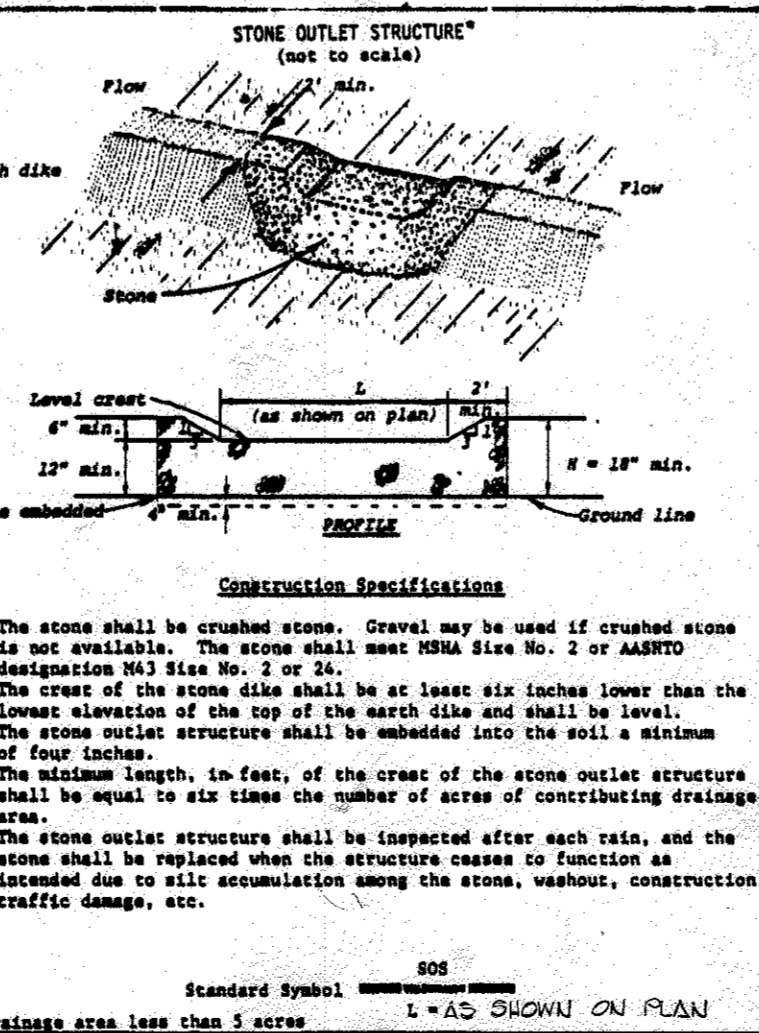
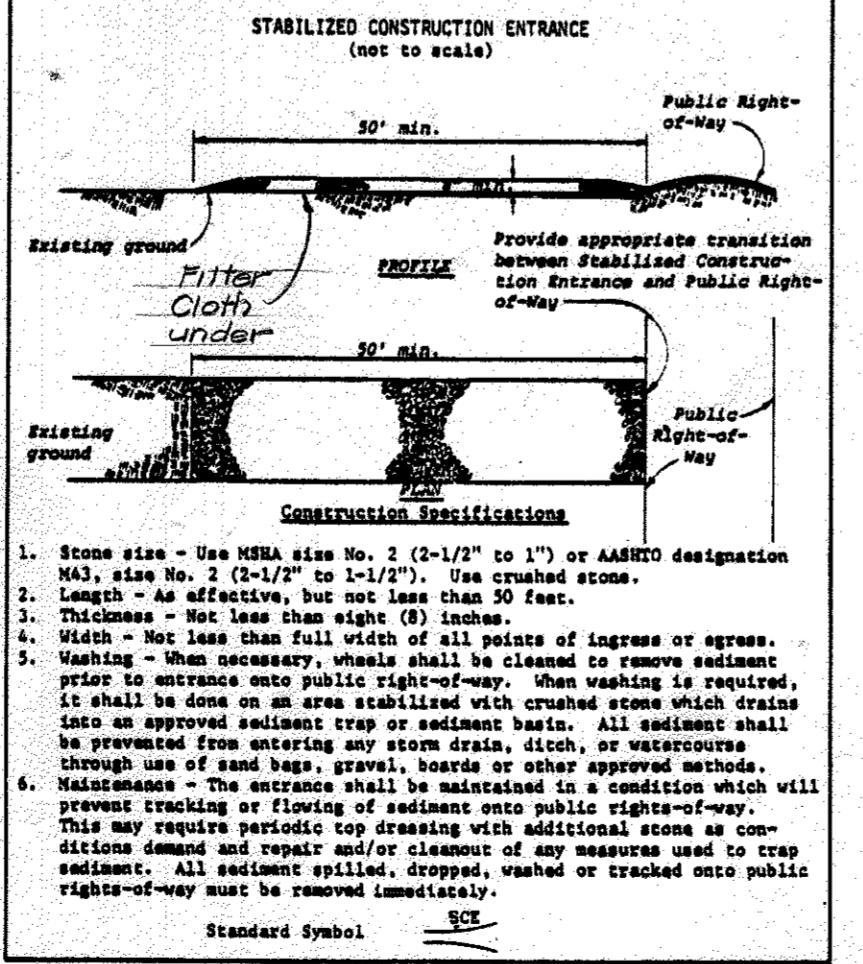
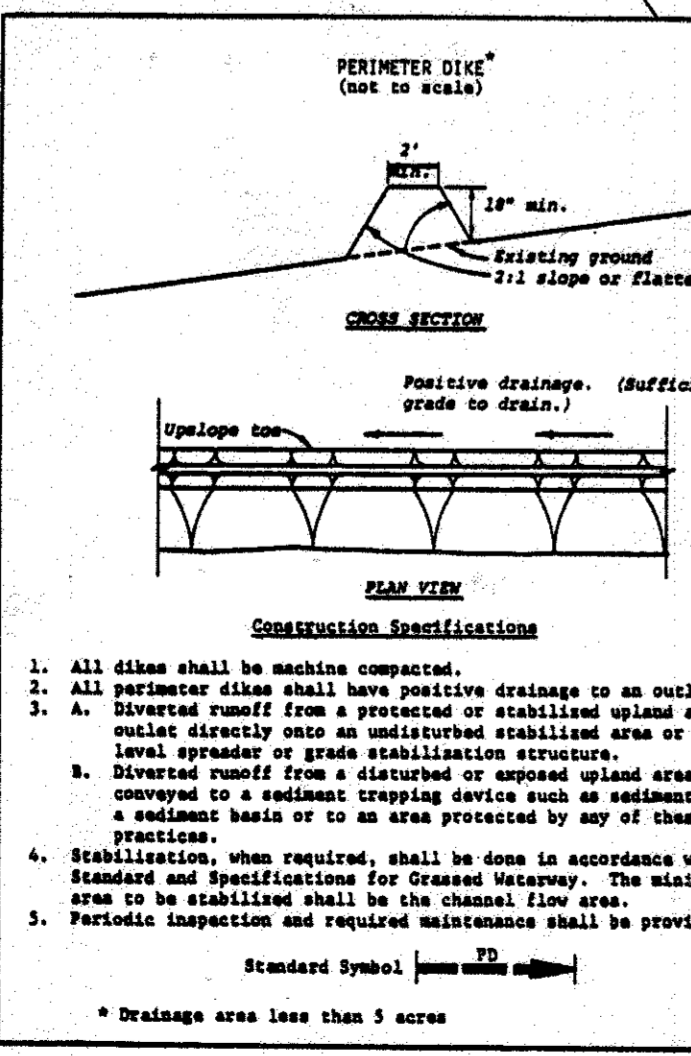
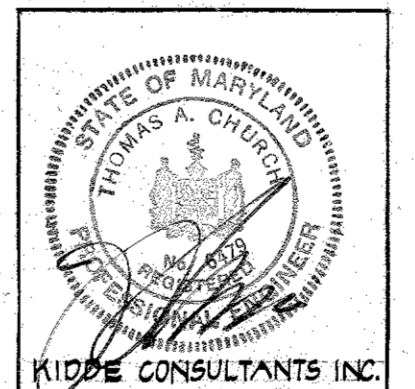
SITE ANALYSIS
AREA OF IMPERVIOUS SURFACE: 4.1 AC.
AREA TO BE REVEGETATED = 50 AC.

ENGINEER'S CERTIFICATION

I CERTIFY THAT THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND ALL 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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEMAND NECESSARY.

DEVELOPER'S CERTIFICATION

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEMAND NECESSARY.



PERMANENT SEEDING NOTES
All disturbed areas shall be stabilized as follows:
Seedbed Preparation: Loosen upper 3 inches of soil by raking, discing or other acceptable means before seeding.
Soil Amendments: Apply 2 tons per acre dolomitic limestone (92 lbs./1,000 sq. ft.). Narrow or disc lime and fertilizer into upper three inches of soil. At time of seeding, apply 400 lbs. per acre (9.2 lbs./1,000 sq. ft.) of 38-0-0 ureaform fertilizer and 500 lbs. per acre (11.5 lbs./1,000 sq. ft.) of 10-20-20 fertilizer.
Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 100 lbs. per acre (1.4 lbs./1,000 sq. ft.) of Kentucky 11 Tall Fescue. For the period May 1 thru July 31, seed with 1,000 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.
Mulchings: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1,000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gallons/1,000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 148 gallons per acre (8 gallons/1,000 sq. ft.) for anchoring.
Maintenance: Inspect all seeded areas and make needed repairs, replacements, and reseeding.

TEMPORARY SEEDING NOTES
Seedbed Preparation: Loosen upper 3 inches by discing, raking, or other acceptable means.
Soil Amendments: Apply 600 lbs. per acre (13 lbs./1,000 sq. ft.) of 10-20-20 fertilizer.
Seeding: For periods March 1 thru April 30, and from August 15 thru November 15, seed with 2 1/2 bushels per acre (1.2 lbs./1,000 sq. ft.) of annual ryegrass. For the period May 1 thru August 14, seed with 3 lbs./acre (0.07 lbs./1,000 sq. ft.) of weeping lovegrass.
Mulchings: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1,000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gallons/1,000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 148 gallons per acre (8 gallons/1,000 sq. ft.) for anchoring.

Drafting P.T.	DATE	REVISIONS
Check		
Design		
Check RCB	12-7-83	EXPANDED POOL DECK

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAIN SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 10-25-83

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT
DATE: 10-25-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DATE: 10-28-83

PLAN AND DETAILS
SEDIMENT CONTROL PLAN

KING'S CROSSING
VILLAGE OF KING'S CONTRIVANCE
SECTION 3 AREA 2
JUNE, 1983

PARCEL "A" TAX MAP 42
ELECTION DISTRICT G HOWARD COUNTY, MD.
RECORDED PLAT #5407, 4-19-83 SHEET 5 OF 6

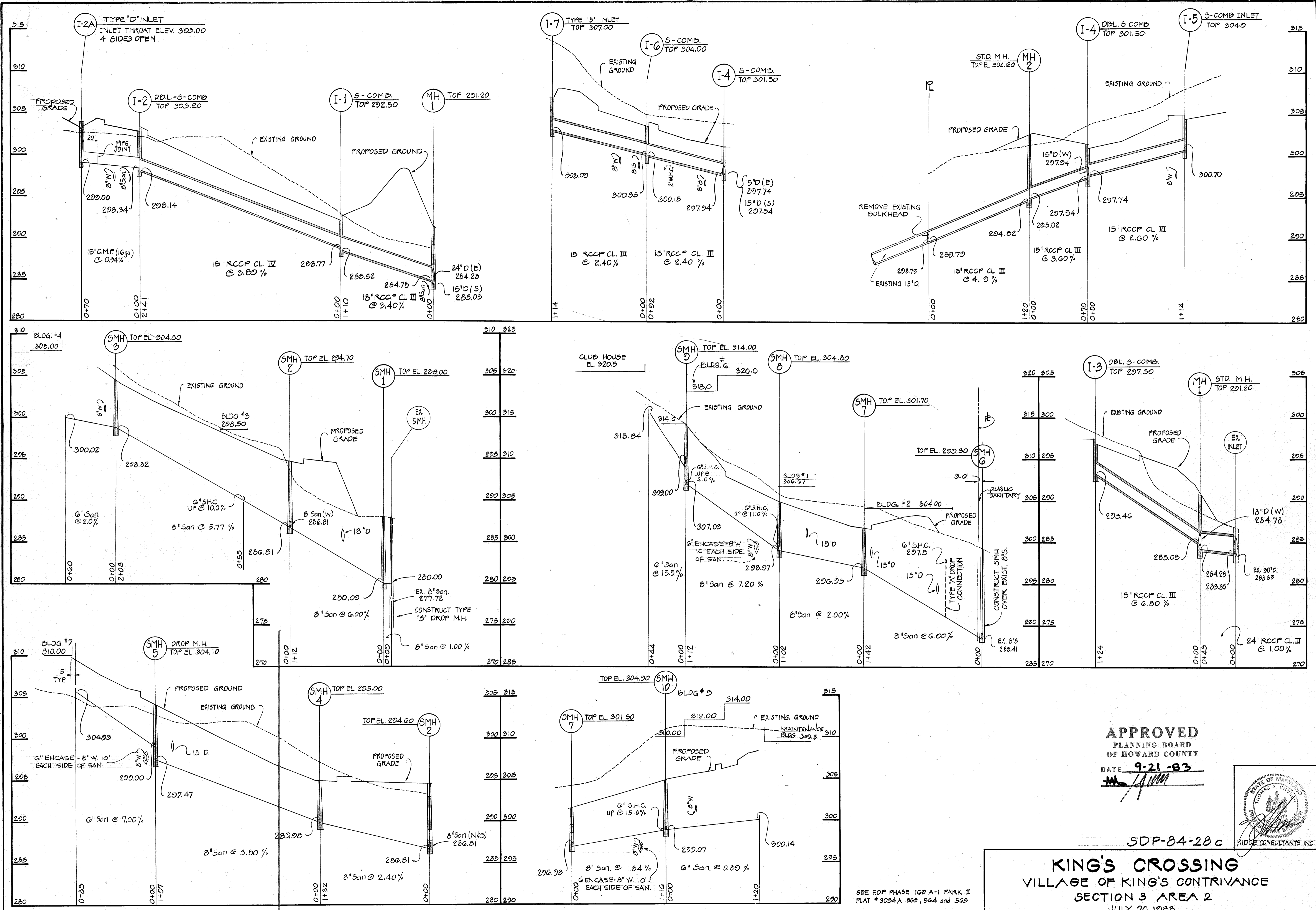
KING'S CROSSING
IN THE VILLAGE OF KING'S CONTRIVANCE
COLUMBIA, MARYLAND

THE OXFORD GROUP
4951 GARDEN CITY DRIVE
LANDOVER, MARYLAND 20785

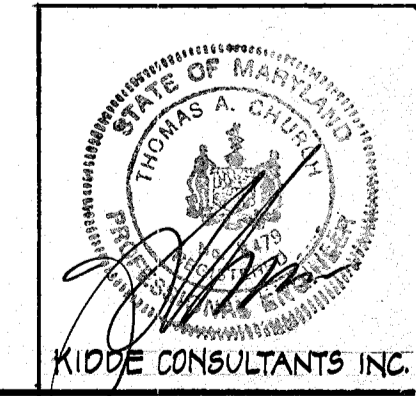
GEORGE EVANS ASSOCIATES, INC.
STRUCTURAL ENGINEERS
130 WEST HAMILTON STREET
BALTIMORE, MARYLAND 21201

KILDE CONSULTANTS, INC.
CIVIL ENGINEERS
LANDSCAPE ARCHITECTS
1020 CROWMELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204

BROWNE, WORRALL & JOHNSON, INC.
ARCHITECTS
2435 North Calvert Street
Baltimore, Maryland 21218
(301) 467-3760



APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 9-21-83
[Signature]



SDP-84-28c

KING'S CROSSING
 VILLAGE OF KING'S CONTRIVANCE
 SECTION 3 AREA 2
 JULY 20, 1983
 PARCEL "A" TAX MAP 42
 ELECTION DISTRICT 6 HOWARD COUNTY, MD.
 RECORDED PLAT NO 5407 SHEET 6 OF 6

STORM DRAIN & SEWER PROFILE

Drafting	DATE	REVISIONS	APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.	APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.	APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Check T.J.R.III	10-6-83	PER HRD COMMENTS	<i>[Signature]</i> DATE 10-25-83	<i>[Signature]</i> DATE 10-27-83	<i>[Signature]</i> DATE 10-28-83
Design T.J.R.III			<i>[Signature]</i> DATE 10-25-83	<i>[Signature]</i> DATE 10-27-83	<i>[Signature]</i> DATE 10-28-83
Check T.J.R.III			<i>[Signature]</i> DATE 10-25-83	<i>[Signature]</i> DATE 10-27-83	<i>[Signature]</i> DATE 10-28-83

KING'S CROSSING
 IN THE VILLAGE OF KING'S CONTRIVANCE
 COLUMBIA, MARYLAND
 THE OXFORD GROUP
 4351 GARDEN CITY DRIVE
 LANDOVER, MARYLAND 20785

GEORGE EVANS ASSOCIATES, INC.
 STRUCTURAL ENGINEERS
 130 WEST HAMILTON STREET
 BALTIMORE, MARYLAND 21201
 BURDETTE, KOEHLER & MURPHY
 MECHANICAL/ELECTRICAL ENGINEERS
 VILLAGE OF CROSS KEYS
 BALTIMORE, MARYLAND 21211
 KIDDE CONSULTANTS, INC.
 CIVIL ENGINEERS
 LANDSCAPE ARCHITECTS
 1020 CROMWELL BRIDGE ROAD
 BALTIMORE, MARYLAND 21204

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