

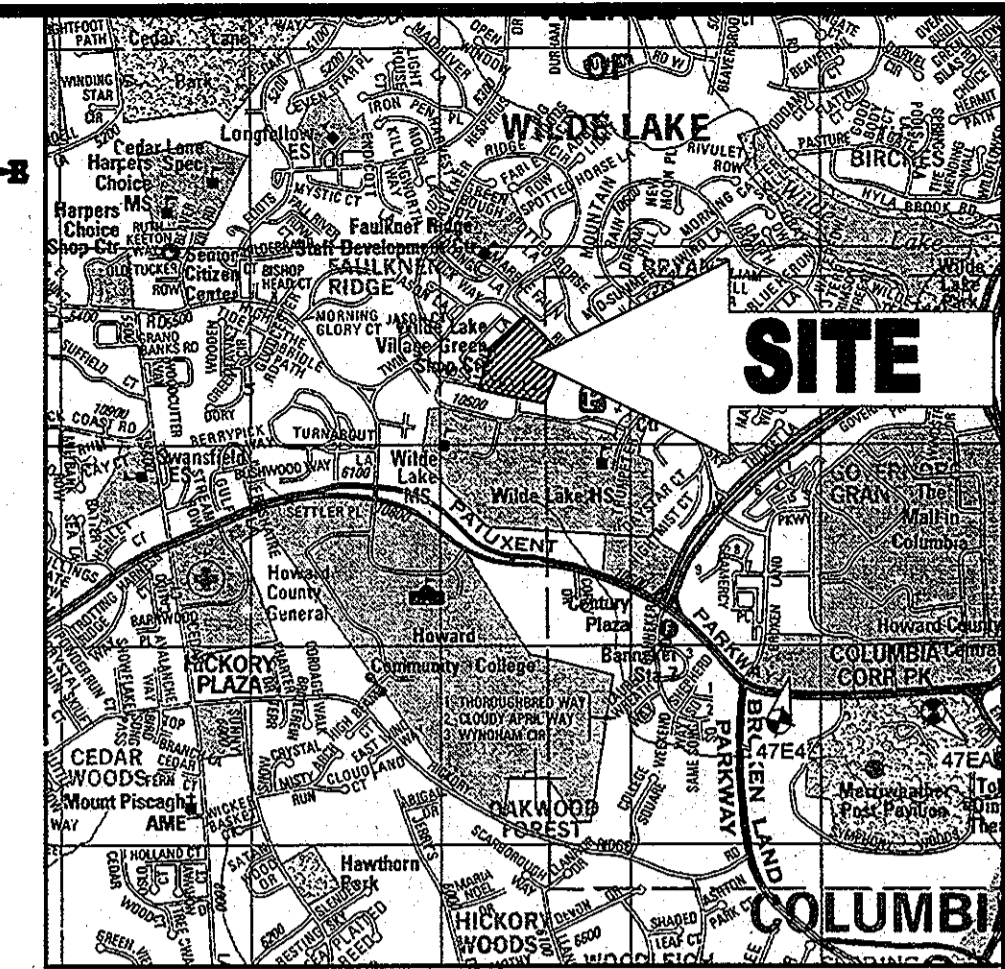
STANDARD DRAWING LEGEND FOR ENTIRE PLAN SET (NOT TO SCALE)		
EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
---	ON-SITE PROPERTY LINE / R.O.W. LINE	---
---	NEIGHBORING PROPERTY LINE / INTERIOR PARCEL LINE	---
---	EASEMENT LINE	---
---	SETBACK LINE	---
---	CONCRETE CURB & GUTTER	---
---	UTILITY POLE WITH LIGHT	---
---	POLE LIGHT	---
---	TRAFFIC LIGHT	---
---	UTILITY POLE	---
---	TYPICAL LIGHT	---
---	ACORN LIGHT	---
---	TYPICAL SIGN	---
---	CONTOUR LINE	---
---	SANITARY SEWER LATERAL	---
---	UNDERGROUND WATER LINE	---
---	UNDERGROUND ELECTRIC LINE	---
---	UNDERGROUND GAS LINE	---
---	OVERHEAD WIRE	---
---	UNDERGROUND TELEPHONE LINE	---
---	UNDERGROUND CABLE LINE	---
---	STORM SEWER	---
---	SANITARY SEWER MAIN	---
---	HYDRANT	---
---	SANITARY MANHOLE	---
---	STORM MANHOLE	---
---	WATER METER	---
---	WATER VALVE	---
---	TYPICAL END SECTION	---
---	HEADWALL OR ENDWALL	---
---	YARD INLET	---
---	CURB INLET	---
---	CLEAN OUT	---
---	ELECTRIC MANHOLE	---
---	TELEPHONE MANHOLE	---
---	ELECTRIC BOX	---
---	ELECTRIC PEDESTAL	---
---	MONITORING WELL	---
---	BENCHMARK	---
---	BORING	---
---	FLOODPLAIN	---
---	STEEP SLOPES (>25%)	---
---	IMPERVIOUS AREA	---
---	MICROBIORETENTION FACILITY NUMBER	---
---	WATER QUALITY FACILITY DRAINAGE AREA	---
---	DIVERSION DIKE	---
---	SUPER SILT FENCE	---
---	TREE PROTECTION	---
---	REFORESTATION	---

STANDARD DRAWING LEGEND FOR ENTIRE PLAN SET (NOT TO SCALE)		
EXISTING NOTE	TYPICAL NOTE TEXT	PROPOSED NOTE
---	STABILIZED CONSTRUCTION ENTRANCE	---
---	SILT FENCE	---
---	SOILS LINE	---
---	WETLAND BUFFER	---
---	STREAM BUFFER	---
---	TREELINE	---
---	DIVERSION FENCE	---
---	ASPHALT PAVEMENT	---
---	PERVIOUS PAVERS	---
---	STAMPED CONCRETE	---
---	CONCRETE SIDEWALK	---

SOILS TABLE			
SOILS NAME	SOIL DESCRIPTION	HYDROLOGIC SOILS GROUP	HIGHLY ERODIBLE SOIL
UuB	URBAN LAND - UDOTMENTS COMPLEX, 8 TO 15 PERCENT SLOPES	B	NO

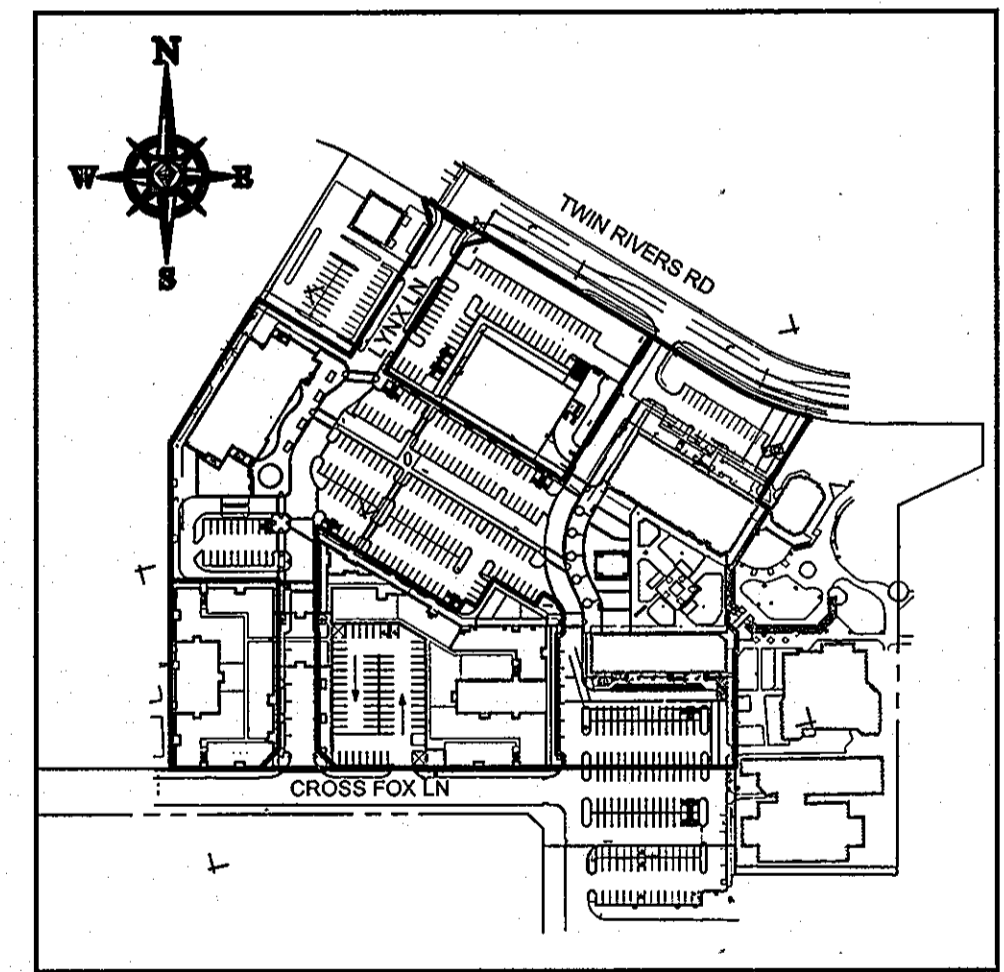
ENVIRONMENTAL CONCEPT PLAN

FOR VILLAGE OF WILDE LAKE REDEVELOPMENT



LOCATION MAP
COPYRIGHT ADC THE MAP PEOPLE
PERMIT USE NO. 20502153-5
SCALE: 1"=200'
ADC MAP COORDINATES: 4934AKS

LOCATION OF SITE
TWIN RIVERS ROAD @ LYNX LANE, COLUMBIA, MARYLAND 21042
ZONING: NT, 5TH ELECTION DISTRICT
TAX MAP 29, GRID 24, TM PARCEL 272, LOTS 3-6 AND
TAX MAP 29, GRID 24, PARCEL 132, LOTS 1-3
HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1"=250'

DESIGN NARRATIVE

THE AREA OF THIS SUBMISSION IS APPROXIMATELY 9.85 ACRES. THE SITE IS A FULLY DEVELOPED VILLAGE CENTER (WILDE LAKE VILLAGE CENTER). THE SITE CURRENTLY IS SPLIT INTO THREE (3) DRAINAGE AREAS. A PORTION OF THE SITE FLOWS INTO EXISTING ON-SITE UNDERGROUND STORM DRAIN SYSTEM AND IS THEN CONVEYED TO THE EXISTING STORM DRAIN SYSTEM LOCATED IN TWIN RIVERS ROAD. ANOTHER PORTION OF THE SITE FLOWS INTO THE EXISTING ON-SITE STORM DRAIN SYSTEM AND IS THEN CONVEYED TO THE EXISTING STORM DRAIN SYSTEM LOCATED IN CROSS FOX LANE. THE REMAINING WESTERN PORTION OF THE SITE FLOWS INTO AN EXISTING ON-SITE STORM DRAIN SYSTEM AND IS THEN CONVEYED INTO SEPARATE STORM DRAIN SYSTEMS LOCATED ALONG THE WESTERN PROPERTY LINE.

THE PROPOSED DEVELOPMENT SHALL REMOVE THE EXISTING STRUCTURES, PARKING AREAS AND ASSOCIATED UTILITIES. REDEVELOPMENT OF THE WILDE LAKE VILLAGE CENTER WILL CONSIST OF VARIOUS RETAIL BUILDINGS, RESTAURANT BUILDINGS, OFFICE BUILDING AND RESIDENTIAL APARTMENTS. OTHER IMPROVEMENTS INCLUDE THE CONSTRUCTION OF PARKING LOTS, PEDESTRIAN SIDEWALKS, CONCRETE CURB, LANDSCAPE AREAS, STORMWATER MANAGEMENT QUALITY MEASURES, SITE UTILITIES, AND OTHER ASSOCIATED IMPROVEMENTS.

NO ENVIRONMENTALLY SENSITIVE AREAS (I.E. 100-YEAR FLOODPLAIN, WETLANDS, STREAMS, THEIR BUFFERS) EXIST ON-SITE.

EXISTING FLOW PATTERNS SHALL BE PRESERVED IN THAT ALL PROPOSED PRACTICES SHALL DISCHARGE ON TO THE EXISTING DISCHARGE POINTS LOCATED ON-SITE. THE PRACTICES ARE GENERALLY DISPERSED THROUGHOUT THE SITE AND SHALL DISCHARGE TO THE UNDERGROUND STORM DRAIN SYSTEMS LOCATED THROUGHOUT THE SITE.

SEDIMENT AND EROSION CONTROL SHALL COMPLY WITH THE LATEST EDITION OF THE MDE STANDARDS AND SPECIFICATIONS FOR SEDIMENT CONTROL AS SHOWN ON THE ACCOMPANYING ECP AND SUBSEQUENT SITE DEVELOPMENT PLAN.

IT IS CONCLUDED THAT ALL ESD TO THE MEP REQUIREMENTS AS DEFINED IN THE STORMWATER MANAGEMENT ACT OF 2007 HAVE BEEN MET FOR THE PROPOSED DEVELOPMENT. THE WATER QUALITY HAS BEEN PROVIDED BY THE IMPLEMENTATION OF MICRO-BIORETENTION (M-B) FACILITIES, IMPERVIOUS REDUCTION AND PERMEABLE PAVEMENT (A-2), RECHARGE VOLUME, Qp, AND OF ARE NOT REQUIRED FOR THIS REDEVELOPMENT PROJECT.

SITE ANALYSIS DATA SHEET

GROSS AREA	10.21 AC
FLOODPLAIN AND FLOODPLAIN BUFFER	0.00 AC
STEEP SLOPES 15% OR GREATER	0.00 AC
NET AREA	10.21 AC
WETLANDS AND WETLAND BUFFER	0.00 AC
STREAM BUFFER	0.00 AC
FORESTED AREA (PER FSD)	0.00 AC
ERODIBLE SOILS	0.00 AC
LIMIT OF DISTURBANCE	11.95 AC
PROPOSED IMPERVIOUS AREA	7.73 AC
GREEN OPEN AREA	2.48 AC
TOTAL AREA OF LOTS	10.21 AC

GENERAL NOTES

- THE SUBJECT PROPERTY IS ZONED NT.
- THE PROPERTY BOUNDARY AND TOPOGRAPHY SURVEY PERFORMED BY BOHLER ENGINEERING, DATED SEPTEMBER 29, 2011.
- EXISTING UTILITIES ARE BASED ON CURRENT HOWARD COUNTY CONTRACT DRAWINGS.
WATER & SEWER - CONTRACT NO. 371
WATER & SEWER - CONTRACT NO. 171
- NO WETLANDS EXIST ON SITE BASED UPON A SITE VISIT CONDUCTED BY BOHLER ENGINEERING ON JULY 6, 2012.
- THE 100 YEAR FLOODPLAIN STUDY IS NOT REQUIRED FOR THIS PROJECT.
- NO ENVIRONMENTALLY SENSITIVE AREAS (I.E. 100-YEAR FLOODPLAIN, WETLANDS, STREAMS, THEIR BUFFERS) ARE LOCATED ON THE SUBJECT PROPERTY.
- THERE ARE NO CEMETERIES OR HISTORICAL FEATURES KNOWN ON-SITE.
- APPLICABLE DPZ FILE NUMBERS ZB 1096M, SDP-03-087, SDP-04-045, F-70-87, FDP-09-A, FDP-2-A-VIII, F-65-045, PE 12 F 43 (PLAT), SDP-70-074, SDP-72-064, SDP-73-083, SDP-77-087, SDP-85-204, SDP-87-111, ZB1096, SF-13-001
- THE APPROVAL OF THIS ENVIRONMENTAL CONCEPT PLAN DOES NOT CONSTITUTE APPROVAL OF ANY SUBSEQUENT AND ASSOCIATED SUBDIVISION PLAN, SITE DEVELOPMENT PLAN, AND/OR REDEFINE REVISION PLAN. REVIEW OF THIS PROJECT FOR COMPLIANCE WITH THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE HOWARD COUNTY ZONING REGULATIONS SHALL OCCUR AT THE APPLICABLE STAGES. THEREFORE, THE APPLICANT AND CONSULTANT SHOULD EXPECT ADDITIONAL AND MORE DETAILED REVIEW COMMENTS THAT MAY ALTER THE OVERALL SITE DESIGN AS THIS PROJECT PROGRESSES THROUGH THE PLAN REVIEW PROCESS.
- ALL DRAINAGE AREAS GREATER THAN 2.0 ACRES WILL BE REQUIRED TO PROVIDE TEMPORARY STORMWATER MANAGEMENT DURING CONSTRUCTION.
- THIS PROJECT WILL BE EXEMPT FOR FOREST CONSERVATION REQUIREMENT 3 BECAUSE IT IS WITHIN NEW TOWN (NT) PER SECTION 16.1202(b)(1)(iv) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.

SHEET INDEX	
SHEET TITLE	SHEET NUMBER
COVER SHEET	1
ENVIRONMENTAL CONCEPT PLAN	2-3
EROSION AND SEDIMENT CONTROL PLAN	4-5

OWNER: PARCEL 272, LOTS 3-6 & PARCEL 132, LOTS 1-3
WILDE LAKE BUSINESS TRUST
C/O KIMCO REALTY CORPORATION
3333 NEW HYDE PARK ROAD
NEW HYDE PARK, NY 11042
(410) 684-2000

DEVELOPER: KIMCO REALTY CORPORATION
1954 GREENSPRING DRIVE, SUITE 330
TIMONUM, MD 21093
(410) 684-2000

TAX MAP: 29 GRID: 24 ZONED: NT
PARCEL 272, LOTS 3-6 (0430 LYNX LANE)
PARCEL 132, LOTS 1-2 (10471 TWIN RIVERS ROAD)
PARCEL 132, LOT 3 (10451 TWIN RIVERS ROAD)
5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SUMMARY TABLE											
DRAINAGE AREA	MDE TYPE	TOTAL DA		IMPERVIOUS AREA		Q _p	Q ₁₀	AI		ESD ₁₀	
		REQUIRED	PROVIDED	REQUIRED	PROVIDED			24 DA	DEPTH	REQUIRED	PROVIDED
P1	A-2	65,978	80,150	23,450	30,640	0.73	0.73	0.332	0.332	0.332	0.332
M1	M-6	1,061	1,061	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M2	M-6	13,248	13,248	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M3	M-6	1,148	1,148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M4	M-6	1,148	1,148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTALS		73,423	97,705	23,450	30,640	0.73	0.73	0.332	0.332	0.332	0.332

PREPARED BY

901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
www.BohlerEngineering.com

CONTACT: ADAM J. VOLANTH, P.E.

BOHLER ENGINEERING

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OFFICES:
BOSTON, MA
TOWSON, MD
STERLING, VA
PORT LAUDERDALE, FL
TAMPA, FL
PHILADELPHIA, PA

SURVEYORS
PROJECT MANAGERS
ENVIRONMENTAL CONSULTANTS
LANDSCAPE ARCHITECTS

CIVIL & CONSULTING ENGINEERS

REVISIONS			
REV	DATE	COMMENT	BY

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EDUCATORS, DESIGNERS, OR ANY PERSON PREPARING TO SETBACK THE SURFACE ANYWHERE IN THE STATES (IN VIRGINIA, MARYLAND, AND DELAWARE 811) (NY 1-800-246-4848) (PA 1-800-246-1775) (VA 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-8555)

NOT APPROVED FOR CONSTRUCTION

PROJECT No.: MD069002
DRAWN BY: RMS
CHECKED BY: MUG
DATE: 8/29/12
SCALE: AS NOTED
CAD ID: ECP1

ENVIRONMENTAL CONCEPT PLAN

FOR

KIMCO REALTY CORPORATION

LOCATION OF SITE
RESUBDIVISION OF
VILLAGE OF WILDE LAKE
COLUMBIA, MD

BOHLER ENGINEERING

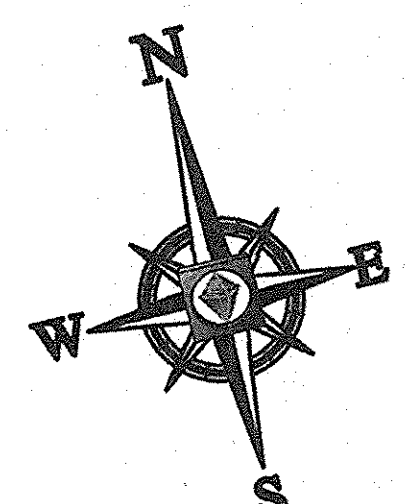
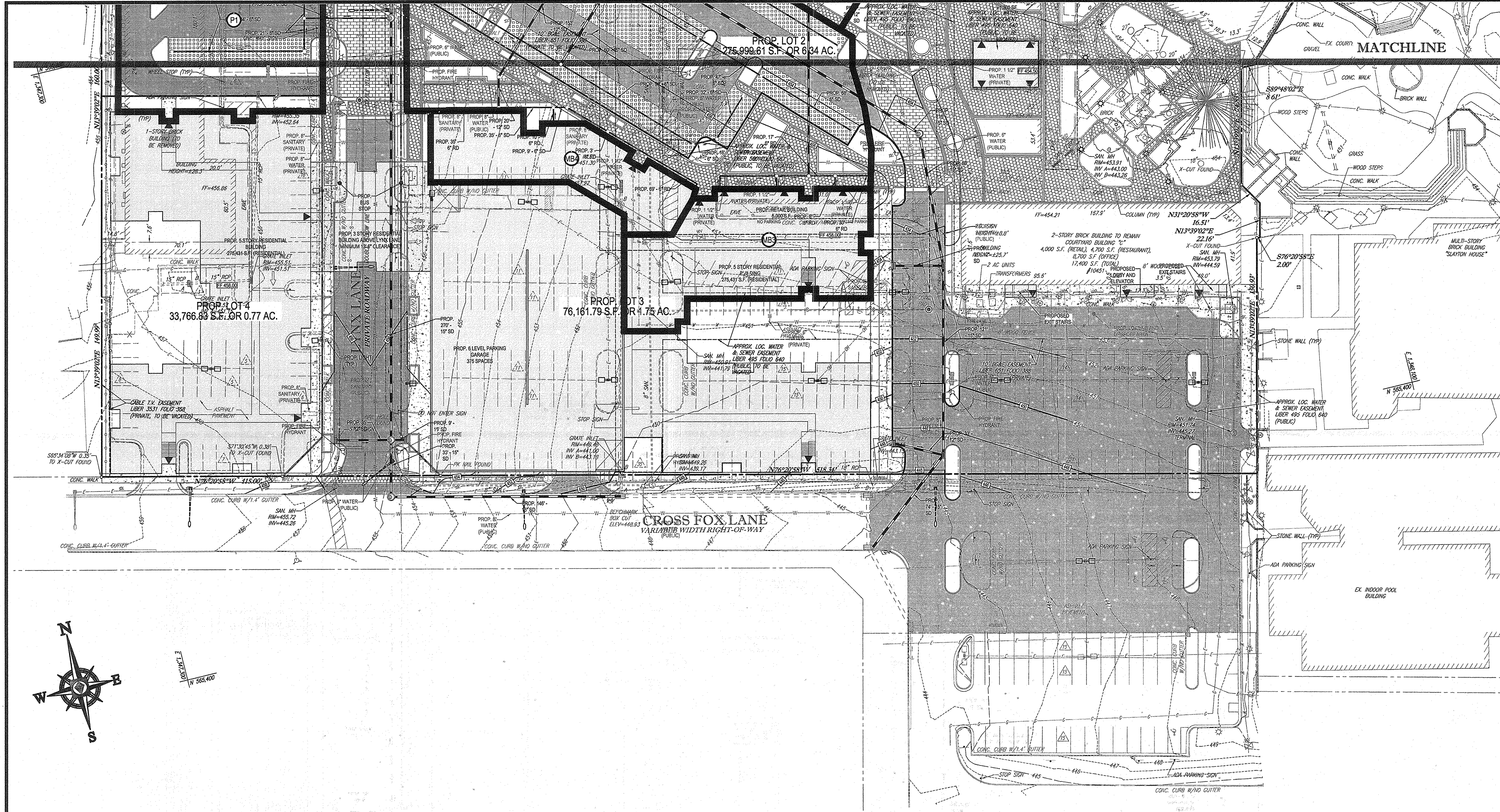
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A.J. VOLANTH

PROFESSIONAL ENGINEER
MARYLAND LICENSE NO. 15162
9-10-12

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
1
OF 5



N 565,400

MATCHLINE

PROP. LOT 2
275,099.61 S.F. OR 6.34 AC.

PROP. LOT 4
33,766.83 S.F. OR 0.77 AC.

PROP. LOT 3
76,161.79 S.F. OR 1.75 AC.

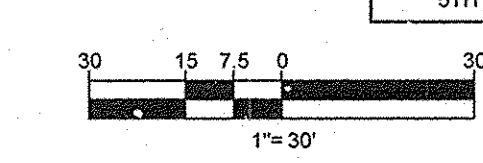
CROSS FOX LANE
VARIABLE WIDTH RIGHT-OF-WAY

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 ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND CODES.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

 CHIEF-DEVELOPMENT ENGINEERING DIVISION DATE 9/14/12

 CHIEF-DIVISION OF LAND DEVELOPMENT DATE 9/13/12



OWNER: PARCEL 272, LOTS 3-6 & PARCEL 132, LOTS 1-3
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 PARCEL 132, LOT 3 (10451 TWIN RIVERS ROAD)
 5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

PROFESSIONAL CERTIFICATION
 I, ADAM J. VOLANTH, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21342, EXPIRATION DATE: 9/14/2012

BOHLER ENGINEERING

CIVIL & CONSULTING ENGINEERS
 SURVEYORS
 PROJECT MANAGERS
 ENVIRONMENTAL CONSULTANTS
 LANDSCAPE ARCHITECTS

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OFFICES:
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 ALBANY, NY
 DAN CONNOR, VA
 CENTER VALLEY, PA
 TAMPA, FL

PHILADELPHIA, PA
 PHILADELPHIA, PA
 PHILADELPHIA, PA

REVISIONS

REV	DATE	COMMENT	BY

NOT APPROVED FOR CONSTRUCTION

PROJECT No.: MD069002
 DRAWN BY: RMS
 CHECKED BY: MAJ
 DATE: 8/29/12
 SCALE: 1"=30'
 CAD I.D.: ECP0

ENVIRONMENTAL CONCEPT PLAN

FOR

KIMCO REALTY CORPORATION

LOCATION OF SITE
 RESUBDIVISION OF
 VILLAGE OF WILDE LAKE
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A.J. VOLANTH

PROFESSIONAL ENGINEER
 MARYLAND LICENSE NO. 21342
 9-10-12

SHEET TITLE:
ENVIRONMENTAL CONCEPT PLAN

SHEET NUMBER:
3
 OF 5

