

1:2 2012-085214

KROSAN INTERSTATE BUSINESS PARK

ADDITION TO THE CITY OF HAMMOND, INDIANA BEING A REPLAT OF LOT 1, MERRIMAC ADDITION

2012 085214

STATE OF INDIANA LAKE COUNTY FILED FOR RECORD 2012 DEC -4 AM 10:32

AMOUNT 25 CHARGE OVERPAGE COPY NON-COM CLERK

WE, LAKE COUNTY TRUST COMPANY, AS TRUSTEE UNDER THE TERMS AND PROVISIONS OF A TRUST AGREEMENT DATED JULY 30, 2008, AND KNOWN AS TRUST NO. 5992, OWNERS OF THAT PORTION OF THE LAND SHOWN HEREON AS THAT PART OF LOT 2 LYING NORTH OF THE EXISTING FLOOD PROTECTION LEVEE EASEMENT AND LAKE COUNTY TRUST COMPANY, A CORPORATION OF INDIANA, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 20TH DAY OF OCTOBER, 2004 AND KNOWN AS TRUST NO. 5580, OWNERS OF THE BALANCE OF THE ESTATE SHOWN AND DESCRIBED HEREIN, DO CERTIFY THAT WE HAVE CAUSED SAID PROPERTY TO BE LAID OFF, PLATTED, AND SUBDIVIDED AND DESIGNATED THE SAME AS THE KROSAN INTERSTATE BUSINESS PARK ADDITION TO THE CITY OF HAMMOND.

ALL STREETS WITHIN THE PLAT ARE DEDICATED TO THE PUBLIC. BUILDING LINES ARE ESTABLISHED AS SHOWN ON THE PLAT, OR IF NOT SHOWN, ARE SUBJECT TO APPLICABLE ZONING PROVISIONS; BETWEEN SAID LINES AND PROPERTY LINES OF THE STREET, THERE SHALL BE NO BUILDINGS OR STRUCTURES ERRECTED OR MAINTAINED. THERE ARE STRIPS OF GROUND SHOWN HEREON AND MARKED "UTILITY EASEMENT" WHICH ARE RESERVED FOR THE USE OF PUBLIC UTILITIES FOR THE INSTALLATION AND MAINTENANCE OF SUB-SURFACE ELECTRIC LINES, NATURAL GAS LINES, TELECOMMUNICATION LINES, WATER MAINS, WATER DRAINAGE, AND SEWER MAINS AND SUBJECT TO THE EASEMENTS HEREIN RESERVED. NO STRUCTURES ARE TO BE MAINTAINED ON SAID STRIPS AND OWNERS OF LOTS SHALL TAKE TITLE SUBJECT TO THE RIGHTS OF THE PUBLIC UTILITIES IN SAID STRIPS OF LAND. THERE ARE STRIPS OF GROUND SHOWN HEREON AND MARKED "DRAINAGE EASEMENT" WHICH ARE RESERVED FOR THE INSTALLATION AND MAINTENANCE OF DRAINAGE FACILITIES BY PUBLIC UTILITIES. NO BUILDING MATERIAL, REFUSE, OR FILL DIRT MAY BE PLACED WITHIN SUCH EASEMENTS IN SUCH A MANNER THAT THE DRAINAGE OF SAID LOT OR OTHER LOTS IN THE SUBDIVISION IS PREVENTED AND THE OWNERS OF LOTS SHALL TAKE TITLE SUBJECT TO THE RIGHTS OF THE PUBLIC UTILITIES IN SAID STRIPS OF LAND. THERE ARE STRIPS OF LAND SHOWN HEREON LABELED AS "INGRESS/EGRESS ACCESS EASEMENT", SAID STRIPS ARE FOR THE PURPOSES OF INGRESS AND EGRESS BY THE PUBLIC AND THE OWNERS OF LOTS SHALL TAKE TITLE IN SAID STRIPS OF LAND. THERE ARE AREAS MARKED AND HATCHED SHOWN HEREON AS "BIO-FILTER EASEMENT AREAS", SAID AREAS ARE FOR THE PURPOSES OF STORM WATER BIO-FILTER DRAINAGE SYSTEMS AS DEFINED AND RESTRICTED IN THE BIO-FILTER RESTRICTIVE COVENANT AND DETAILS CONTAINED HEREON. THERE ARE AREAS OF GROUND SHOWN HEREON AND MARKED "SIGN ACCESS/MAINTENANCE EASEMENT" WHICH ARE RESERVED FOR THE CONSTRUCTION, RECONSTRUCTION, REPLACEMENT, OPERATION, MAINTENANCE AND REPAIR OF AN OVERHEAD SIGN STRUCTURE. SAID EASEMENT SHALL BE OVER UNDER, UPON AND ACROSS THE "SIGN ACCESS/MAINTENANCE AREA", AND SHALL FURTHER INCLUDE THE RIGHT OF REASONABLE ACCESS OVER, UNDER, UPON AND ACROSS THE LOT IN WHICH SAID EASEMENT IS LOCATED TO INSTALL, REPLACE, MAINTAIN, REPAIR AND OPERATE THE SIGN STRUCTURE AND A UTILITY LINE, IN ORDER TO PROVIDE SUCH SIGN STRUCTURE AND ALL SIGNS THEREON WITH POWER TO ILLUMINATE THE SAME, PARKING, LANDSCAPING, AND OTHER IMPROVEMENTS ARE ALLOWED WITHIN SAID EASEMENT AREAS BUT SHALL NOT IMPAIR THE ACCESSIBILITY OR VISIBILITY OF THE OVERHEAD SIGN STRUCTURE FROM ADJACENT STREETS OR ROADS. THE OWNERS OF THE LOTS SHALL TAKE TITLE IN SAID AREAS OF LAND.

WITNESS MY HAND THIS 12th DAY OF NOVEMBER, 2012

Signature of Elaine U. Sievers, Trust Officer for Lake County Trust No. 5992 and Trust Officer for Lake County Trust No. 5580.

STATE OF INDIANA S.S. COUNTY OF LAKE

BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC IN AND FOR THE SAID COUNTY AND STATE PERSONALLY APPEARED ELAINE U. SIEVERS, TRUST OFFICER AS TRUSTEE FOR LAKE COUNTY TRUST NO. 5992, OWNERS OF THE HEREIN DESCRIBED REAL ESTATE AND ACKNOWLEDGED THE EXECUTION OF THE FOREGOING INSTRUMENT AS THEIR VOLUNTARY ACT AND DEED, FOR THE PURPOSES HEREIN EXPRESSED.

WITNESS MY HAND AND NOTARY SEAL THIS 12th DAY OF NOVEMBER, 2012

Notary Public: Heata Smith, Printed Name: HEATA SMITH

RESIDENT OF: LAKE COUNTY, INDIANA

MY COMMISSION EXPIRES: 10-11-15

STATE OF INDIANA S.S. COUNTY OF LAKE

BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC IN AND FOR THE SAID COUNTY AND STATE PERSONALLY APPEARED ELAINE U. SIEVERS, TRUST OFFICER AS TRUSTEE FOR LAKE COUNTY TRUST NO. 5580, OWNERS OF THE HEREIN DESCRIBED REAL ESTATE AND ACKNOWLEDGED THE EXECUTION OF THE FOREGOING INSTRUMENT AS THEIR VOLUNTARY ACT AND DEED, FOR THE PURPOSES HEREIN EXPRESSED.

WITNESS MY HAND AND NOTARY SEAL THIS 12th DAY OF NOVEMBER, 2012

Notary Public: Heata Smith, Printed Name: HEATA SMITH

RESIDENT OF: LAKE COUNTY, INDIANA

MY COMMISSION EXPIRES: 10-11-15

STATE OF INDIANA S.S. COUNTY OF LAKE

UNDER THE AUTHORITY PROVIDED BY IC 36-7-4-700, ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF INDIANA, AND ALL ACTS AMENDATORY THERETO ADOPTED BY THE COMMON COUNCIL OF THE CITY OF HAMMOND, LAKE COUNTY, INDIANA, THIS PLAT WAS GIVEN FINAL APPROVAL BY A MAJORITY OF THE MEMBERS OF THE CITY PLAN COMMISSION OF THE CITY OF HAMMOND, LAKE COUNTY, INDIANA AT A MEETING HELD THIS 18th DAY OF JUNE, 2012.

CITY PLAN COMMISSION OF THE CITY OF HAMMOND, LAKE COUNTY, INDIANA. Stanley Dogtani, President; Shannon Morris, Secretary to the Plan Commission.

STATE OF INDIANA S.S. COUNTY OF LAKE

THIS IS TO CERTIFY THAT THE BOARD OF PUBLIC WORKS AND SAFETY OF THE CITY OF HAMMOND, LAKE COUNTY, INDIANA HAS THIS 20th DAY OF NOVEMBER, 2012, AT A REGULAR MEETING OF SAID BOARD, ACCEPTED THE PLAT HEREIN DRAWN.

BOARD OF PUBLIC WORKS AND SAFETY OF THE CITY OF HAMMOND. William Joseph O'Connor, President; Stanley Dogtani, Vice President; Robert Lendi, Attest; Stan Lavette.

STATE OF INDIANA S.S. COUNTY OF LAKE

I, GEOFFREY L. GRANT, STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF THIS SUBDIVISION, OR THAT IF SUCH WATER DRAINAGE WILL BE CHANGED, REASONABLE PROVISION HAS BEEN MADE FOR THE COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREA OR DRAINS WHICH THE SUBDIVIDERS HAS RIGHT TO USE AND THAT SUCH SURFACE WATERS WILL BE PLANNED FOR IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES SO AS TO REDUCE THE LIKELIHOOD OF DAMAGE TO THE ADJOINING PROPERTY BECAUSE OF THE CONSTRUCTION OF THIS SUBDIVISION.

WITNESS MY HAND AND SEAL THIS 8TH DAY OF NOVEMBER, 2012.

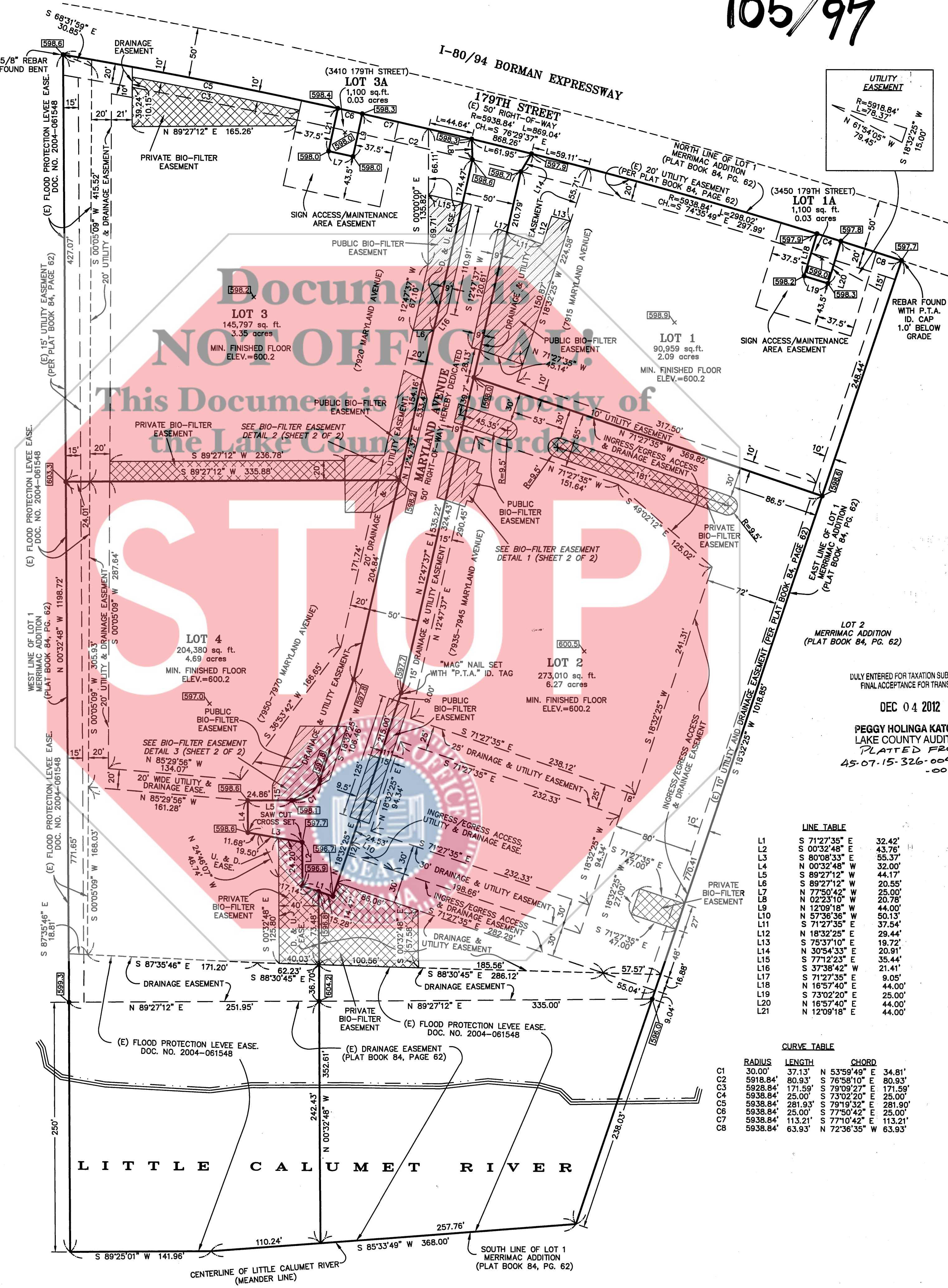
PLUMB, TUCKETT & ASSOCIATES, INC. Geoffrey L. Grant, Registered Indiana Professional Engineer No. 18341.

STATE OF INDIANA S.S. COUNTY OF LAKE

I, GLEN E. BOREN, HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF INDIANA; THAT I HAVE MADE A SURVEY OF THE LAND SHOWN AND DESCRIBED HEREIN AND SUBDIVIDED SAME AS SHOWN ON THE PLAT HEREON DRAWN; THAT THIS PLAT IS CORRECTLY SHOWN AND THAT ALL MONUMENTS OR MARKERS SHOWN THEREON ACTUALLY EXIST AND THEIR LOCATION, SIZE, TYPE AND DESCRIPTION ARE ACCURATELY SHOWN.

WITNESS MY HAND AND SEAL THIS 8TH DAY OF NOVEMBER, 2012.

PLUMB, TUCKETT & ASSOCIATES, INC. Glen E. Boren, Registered Indiana Land Surveyor No. LS20000006.



105/97

LEGAL DESCRIPTION: LOT 1 IN MERRIMAC ADDITION TO THE CITY OF HAMMOND, LAKE COUNTY, INDIANA, AS SHOWN IN PLAT BOOK 84, PAGE 62 IN THE OFFICE OF THE RECORDER OF LAKE COUNTY, INDIANA.

PRIVATE BIO-FILTER EASEMENT AREA PUBLIC BIO-FILTER EASEMENT AREA

BIO-FILTER RESTRICTIVE COVENANT:

EACH LOT IS HEREBY ENCUMBERED WITH A COVENANT FOR THE MAINTENANCE AND REPAIR OF AN STORM WATER DRAINAGE SYSTEM PRIVATE AND PUBLIC BIO-FILTERS LOCATED ON SUCH LOTS BY, AND AT THE COST AND EXPENSE OF THE RESPECTIVE OWNER(S) OF EACH SUCH LOT; PROVIDED, HOWEVER THAT THE CITY OF HAMMOND SHALL HAVE THE RIGHT AND LICENSE TO ENTER UPON EACH LOT TO PERFORM SUCH MAINTENANCE AND REPAIR ON AND WITHIN THE PUBLIC BIO-FILTERS FOR WHICH SUCH DISREPAIR OR LACK OF MAINTENANCE BY THE PROPERTY OWNER(S) IS HAVING A DIRECT ADVERSE EFFECT ON THE DRAINAGE WITHIN MARYLAND AVENUE IN THE EVENT THAT THE OWNER(S) THEREOF DO NOT DO SO AFTER THIRTY (30) DAYS PRIOR WRITTEN NOTICE FROM THE CITY OF HAMMOND. THE CITY OF HAMMOND RESERVES THE RIGHT TO SEEK RECOMPENSE FROM THE PROPERTY OWNER(S) (INDIVIDUALLY OR IN TOTAL) FOR THE TOTAL OR PROPORTIONATE SHARE OF THE COST TO REPAIR OR MAINTAIN THE PUBLIC BIO-FILTERS. THE PUBLIC BIO-FILTERS ARE THOSE THAT ARE LOCATED PARTIALLY WITHIN THE MARYLAND AVENUE RIGHT-OF-WAY. THE PRIVATE BIO-FILTERS ARE THOSE THAT ARE LOCATED ENTIRELY WITHIN THE INDIVIDUAL LOT.

EACH BIO-FILTER AREA SHALL BE DEFINED AS A "NO BUILD" ZONE IN WHICH NO STRUCTURE, PAVEMENT, HARD SURFACE, ETC. SHALL BE ALLOWED EXCEPT THOSE STRUCTURE(S), PLANTING(S), FEATURE(S), ETC. THAT ARE SPECIFICALLY SHOWN ON THE ENGINEERING DESIGN ATTACHED HERETO. EACH BIO-FILTER AREA SHALL BE MAINTAINED BY KEEPING IT: A) PLANTED WITH GRASSES OF THE CAREX SPECIES OR COMMONLY KNOWN AS SEDGE WHICH ARE SUITED FOR THE NORTHWEST INDIANA REGION CLIMATE AND WITH GROWTH OF TWO TO THREE FEET IN HEIGHT, B) CLEAN AND FREE OF DEBRIS, TREES, PLANT VEGETATION EXCEPT THOSE AS OUTLINED IN SECTION "A" HEREOF, AND C) PROPERLY ERODED CURBS OR PARKING BLOCKS TO PREVENT VEHICULAR ACCESS INTO THE PLANTED BIO-FILTER AREAS.

IN THE EVENT THAT THE BIO-FILTER IS DAMAGED, ALTERED, OR OTHERWISE AFFECTED BY AN INTERVENING EFFECT, THE BIO-FILTER SHALL BE RESTORED WITHIN THIRTY (30) DAYS TO ITS ORIGINAL CONDITION IN ACCORDANCE WITH THE ENGINEERING DESIGN (AS SHOWN ON THE BIO-FILTER DETAIL SHEET ATTACHED HERETO) INCLUDING, BUT NOT LIMITED TO, SOIL TYPES, PLANT TYPES, SLOPE, ETC. THE PROPERTY OWNER(S) ARE RESPONSIBLE FOR THE COSTS AND ANY APPLICABLE LOCAL OR STATE PERMITS.

THE OWNER(S) SHALL INSPECT THE BIO-FILTERS LOCATED ON THEIR PROPERTY ON AN ANNUAL BASIS AS A MINIMUM AND THE ACCUMULATED DEBRIS SHALL BE REMOVED AND PROPERLY DISPOSED.

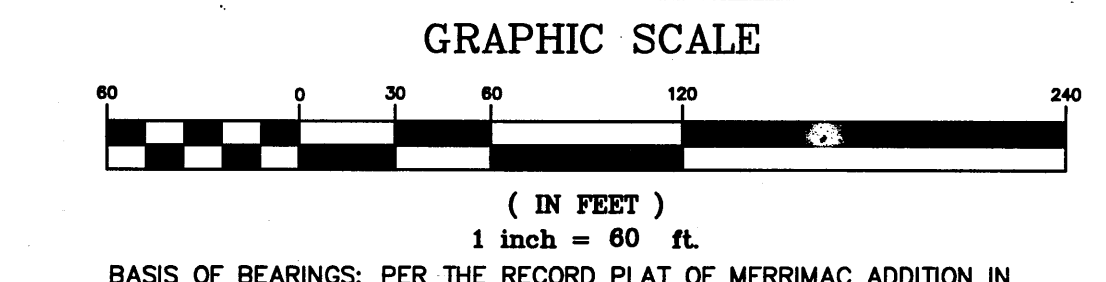
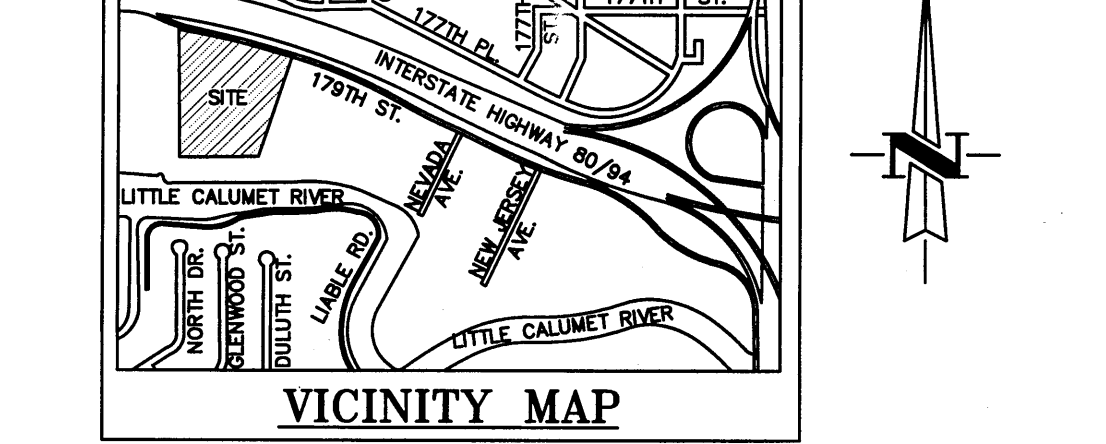
IN THE EVENT THAT THERE ARE ADVANCEMENTS IN THE DESIGN AND TECHNOLOGY OF THE BIO-FILTER SYSTEM, THE PROPERTY OWNERS MAY PETITION THE HAMMOND CITY PLAN COMMISSION (OR ITS SUCCESSORS OR ASSIGNS) IN ACCORDANCE WITH APPLICABLE RULES OF THE HAMMOND CITY PLAN COMMISSION FOR A MODIFICATION TO ENGINEERING DESIGN DRAWING AND/OR PLAT. THE DECISION TO ACCEPT A MODIFICATION TO THE BIO-FILTER SYSTEM BY HAMMOND CITY PLAN COMMISSION (OR ITS SUCCESSORS OR ASSIGNS) SHALL BE SUBJECT TO APPROVAL BY THE HAMMOND CITY ENGINEER OR THE HAMMOND SANITARY DISTRICT OR ANY SUCCESSORS OR ASSIGNS. THE PROPERTY OWNER(S) ARE RESPONSIBLE FOR THE COSTS AND ANY APPLICABLE LOCAL OR STATE PERMITS.

LEGEND: (E) - EXISTING; DOC. - DOCUMENT; NO. - NUMBER; ID. - IDENTIFICATION; P.T.A. - PLUMB, TUCKETT & ASSOCIATES INC. D. & U. EASE. - DRAINAGE & UTILITY EASEMENT; 5/8" REBAR SET WITH P.T.A. ID. CAP UNLESS OTHERWISE NOTED; EXISTING GRADE ELEVATION. ELEVATIONS SHOWN HEREON ARE PER CITY OF HAMMOND'S REQUIREMENTS AND ARE BASED ON NAVD29 DATUM. NOTE: LOT 2 ADDRESS WAS PREVIOUSLY 3420 179TH STREET.

DEC 04 2012 PEGGY HOLINGA KATONA LAKE COUNTY AUDITOR PLATTED FROM 45-07-15-326-004-000-023-005

LINE TABLE with columns L1-L21, S, N, E, W, and values.

REFERENCE SURVEYS: 1.) A.L.T./A.G.S.M. LAND TITLE SURVEY OF LOT 1 IN MERRIMAC ADDITION (SUBJECT PARCEL) BY P.T.A., DATED JULY 27, 1998, JOB NO. 988699. 2.) PLAT OF SUBDIVISION BY P.T.A. OF MERRIMAC ADDITION, RECORDED IN PLAT BOOK 84, PAGE 62. 3.) BOUNDARY SURVEY OF PARENT PARCEL FOR MERRIMAC ADDITION BY P.T.A., RECORDED IN SURVEY BOOK 5, PAGE 28, DOC. NO. 98011321.



BASIS OF BEARINGS: PER THE RECORD PLAT OF MERRIMAC ADDITION IN PLAT BOOK 84, PAGE 62.

Vertical sidebar containing: DRAWN BY: ALM; DATE: 12/15/08; CHECKED BY: CB; DATE: 12/15/08; RECORDED: MICHELE PALMAN; REVISIONS table; FINAL PLAT; KROSAN INTERSTATE BUSINESS PARK; ADDITION TO THE CITY OF HAMMOND, INDIANA; FOR: KROSAN DEVELOPMENT, LLC; PLUMB, TUCKETT & ASSOCIATES logo; SURVEYORS' ENGINEERS; PLOT SCALE: 1"=60'; DRAWING NUMBER: 1; SHEET: 1 OF 2; JOB NO. 507024; SECTION: 15-36-9; FILE: /024-KROSAN/FINAL PLAT RT7.DWG

2:2

105/97

2012-085214

# KROSAN INTERSTATE BUSINESS PARK

## ADDITION TO THE CITY OF HAMMOND, INDIANA BEING A REPLAT OF LOT 1, MERRIMAC ADDITION

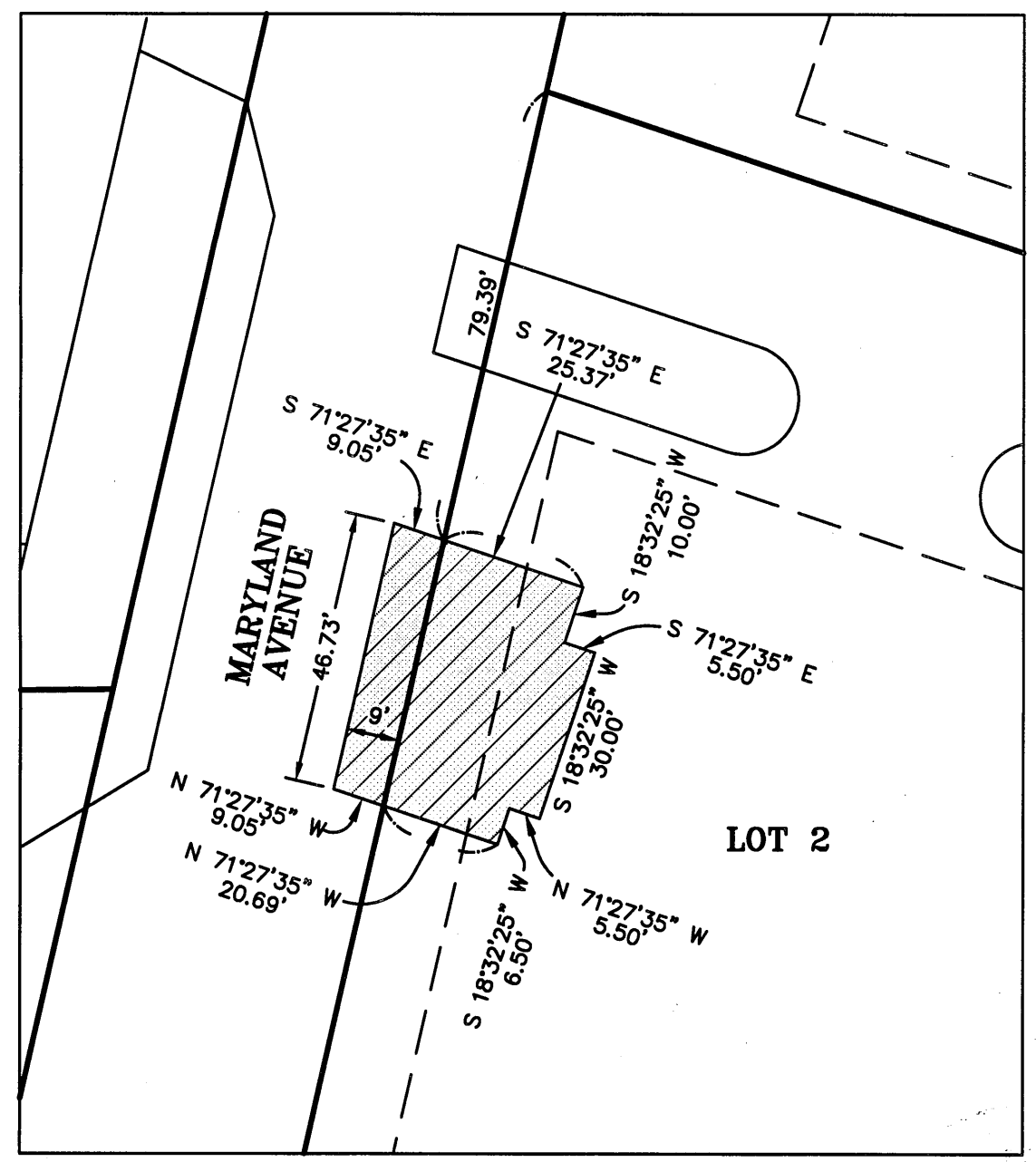
2012 085214

STATE OF INDIANA  
LAKE COUNTY  
FILED FOR RECORD

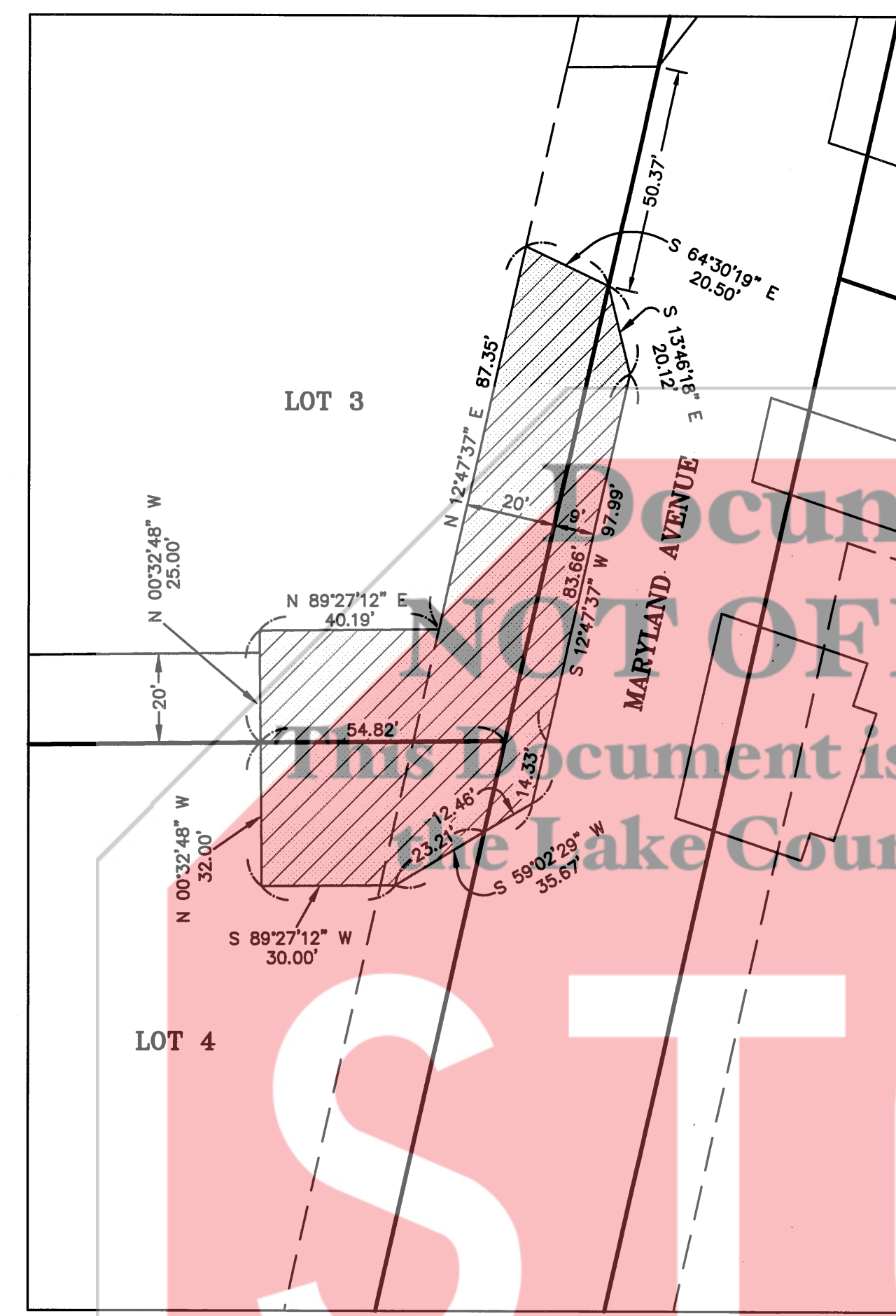
1105 97

### GENERAL NOTES:

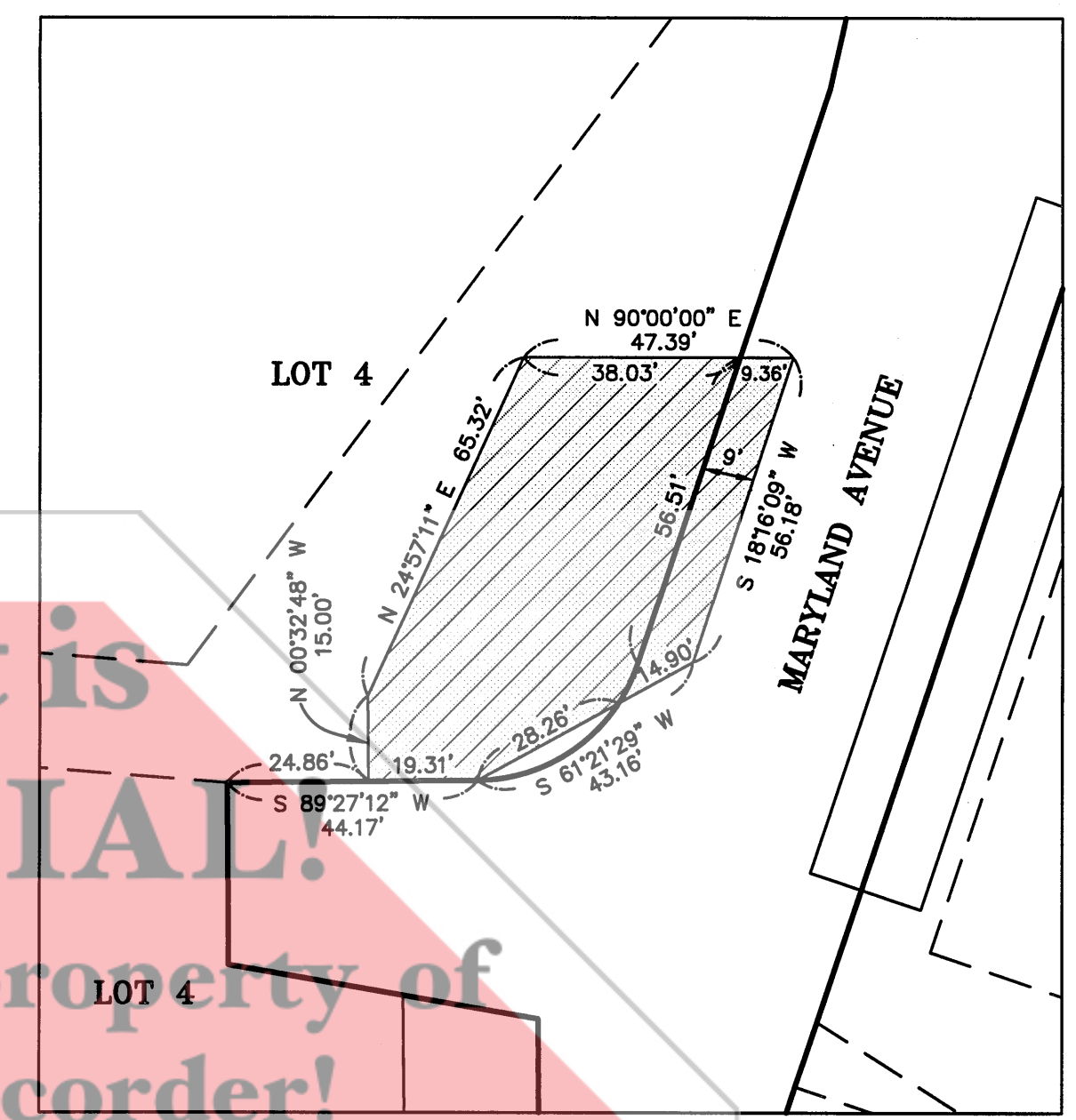
1. THE GENERAL CONTRACTOR (G.C.) SHALL COORDINATE ALL UTILITIES AND SITE SUBCONTRACTORS. THE G.C. SHALL CONSULT THE ENGINEER FOR CHANGES TO THE SCOPE AND MATERIALS FOR THE SITE AND OFF-SITE FACILITIES.
2. ALL EXISTING PAVEMENT TO BE REMOVED, ADJACENT TO THE PUBLIC ROAD, SHALL BE SAW CUT.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO MAKE SURE THAT THE EXISTING UTILITY SYSTEM IS NOT DAMAGED. ALL UTILITY DAMAGES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE CITY AND/OR TO THE OWNER.
4. ANY CHANGES TO THIS PLAN SHALL BE PRE-APPROVED BY THE ENGINEER IN WRITING IN ADVANCE TO THE ANTICIPATED CHANGE. ALL QUESTIONS, CHANGES OR ALTERATIONS ARE TO BE APPROVED BY THE RESPECTIVE AUTHORITY, THE OWNER AND THE DESIGN ENGINEER OF RECORD ON EACH RELATED PERMIT.
5. THE CONTRACTOR IS RESPONSIBLE FOR ALL DISTURBED SURFACE AND MUST RESTORE IT TO THE ORIGINAL CONDITION OR A CONDITION AGREED TO BY THE OWNER AT THE CONTRACTOR'S EXPENSE.



BIO-FILTER EASEMENT DETAIL 1  
SCALE: 1"=30'



BIO-FILTER EASEMENT DETAIL 2  
SCALE: 1"=30'



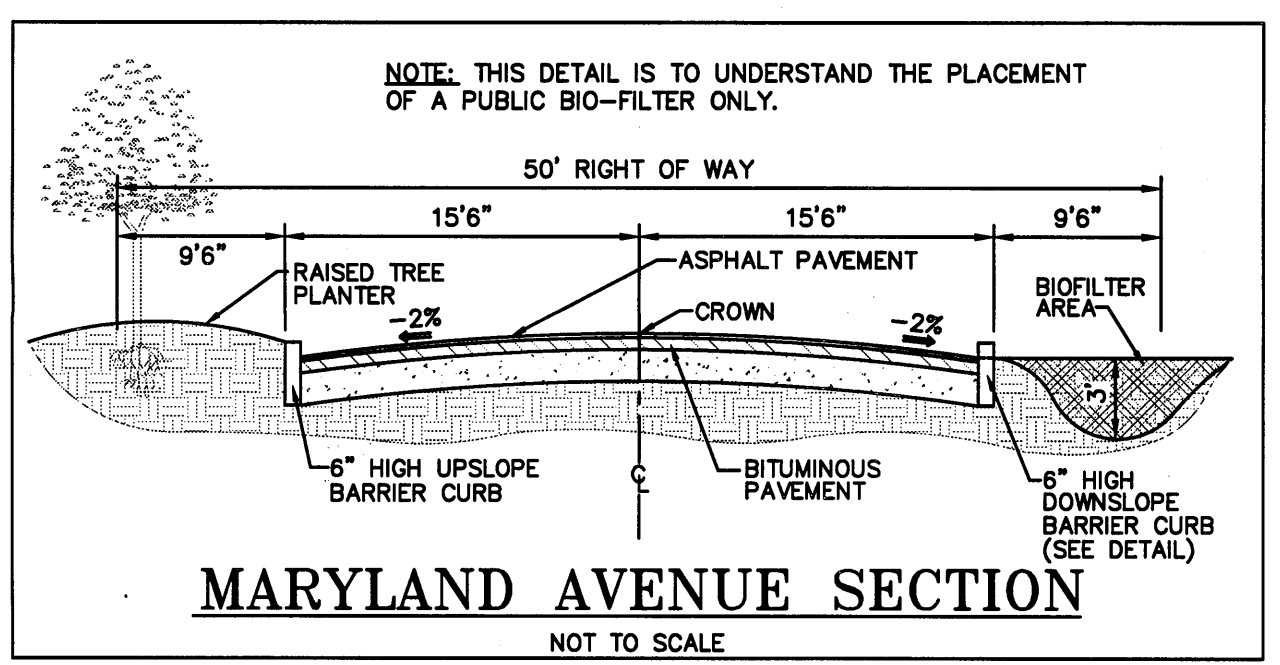
BIO-FILTER EASEMENT DETAIL 3  
SCALE: 1"=30'

### DRAWING SCHEDULE

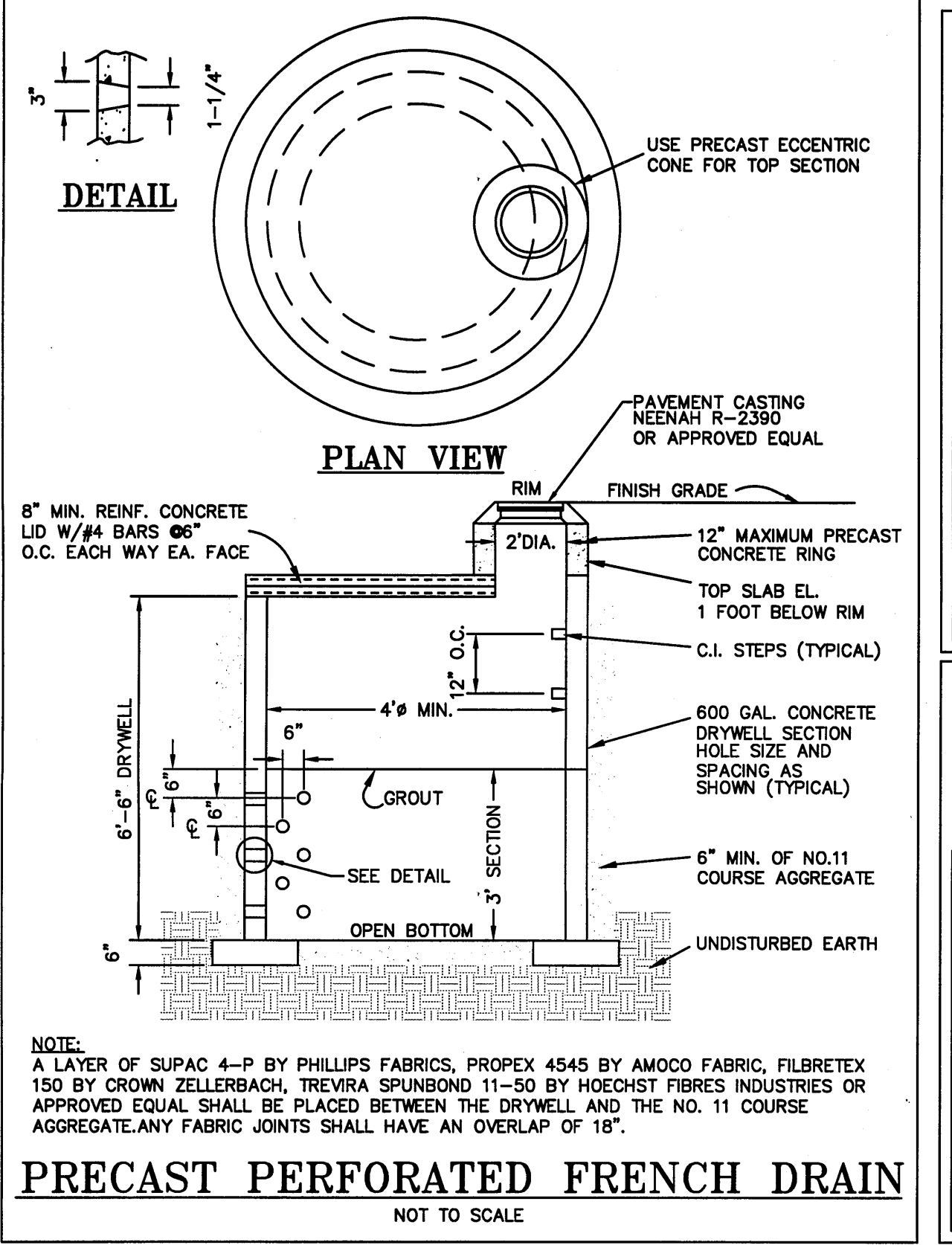
SHEET NO.	NAME
1 OF 2	1 FINAL PLAT
2 OF 2	2 BIO-FILTER DETAILS

IF, FOR ANY REASON, THE PLAN DOES NOT HAVE ALL OF THE ABOVE SHEETS ATTACHED AS A SET, THE PLAN IS VOID AND PLUMB, TUCKETT & ASSOCIATES, INC. DOES NOT ACCEPT ANY LIABILITY FOR ANY OF THE ENGINEERING.

THE DRAWINGS AND SPECIFICATIONS FROM ALL DISCIPLINES WORK TOGETHER AS A WHOLE AND ARE NOT TO BE SEPARATED. NO DISCIPLINE'S DOCUMENTS CONTAIN ALL OF THE REQUIRED INFORMATION FOR ANY ONE TRADE. ALL CONTRACTORS AND SUPPLIERS WILL NEED TO CROSS REFERENCE THE DOCUMENTS OF VARIOUS DISCIPLINES TO GAIN A COMPLETE UNDERSTANDING OF ALL WORK REQUIRED FOR THE PROJECT.



MARYLAND AVENUE SECTION  
NOT TO SCALE



PRECAST PERFORATED FRENCH DRAIN  
NOT TO SCALE

### MAINTENANCE ACTIVITIES BIO-FILTER AREAS

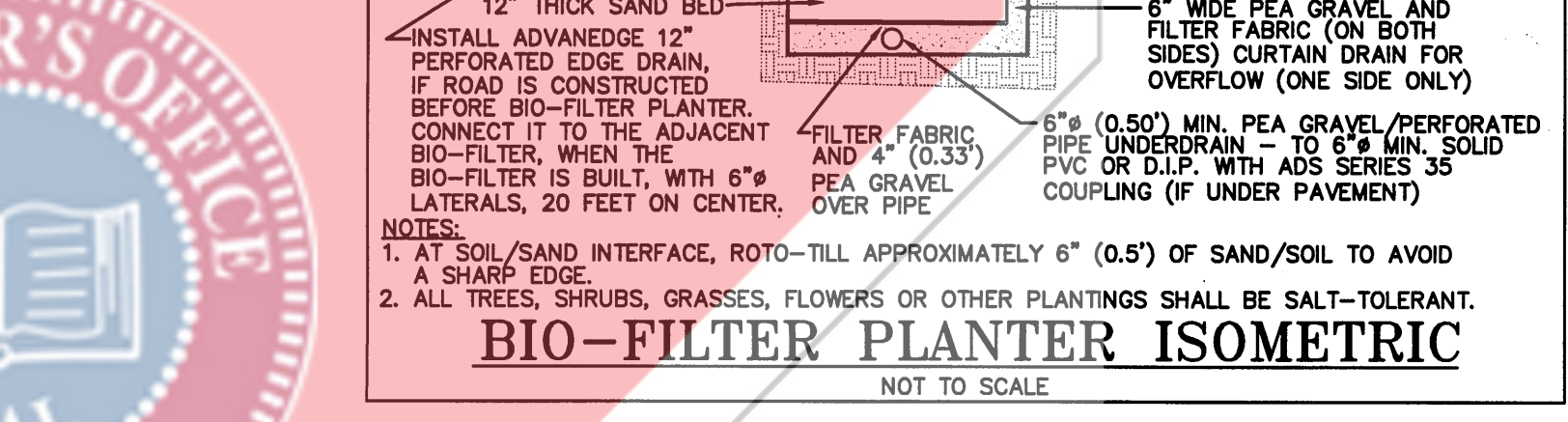
BIO-FILTER SYSTEMS REQUIRE REGULAR MAINTENANCE TO BE AN EFFECTIVE SYSTEM. MAINTENANCE REQUIREMENTS ARE INITIALLY MORE INTENSE UNTIL THE PLANTS ARE FIRMLY ESTABLISHED.

MAINTENANCE ACTIVITY	FREQUENCY
WATER PLANTS	AS NECESSARY INITIALLY AS NEEDED AFTERWARDS DURING DRY PERIODS
MULCH REPLACEMENT	AS NEEDED ADD MULCH ONCE PER YEAR ENTIRE AREA REPLACED ONCE EVERY 2 TO 3 YEARS DISPOSE OF OLD MULCH PROPERLY
TREAT DISEASED PLANTS	AS NEEDED ALL SHOULD BE INSPECTED TWICE PER YEAR FOR EVALUATION
WEEDING TO MAINTAIN APPEARANCE	AS NEEDED MONTHLY APPLY AN ALKALINE PRODUCT (E.G. LIMESTONE) 1 TO 2 TIMES PER YEAR TO COUNTERACT SOIL ACIDITY MONTHLY
REMOVE LITTER AND DEBRIS	WHEN LEVELS OF POLLUTANTS REACH TOXIC LEVELS THAT DECREASE EFFECTIVENESS OF THE SYSTEM
SOIL REPLACEMENT	WHEN LEVELS OF POLLUTANTS REACH TOXIC LEVELS THAT DECREASE EFFECTIVENESS OF THE SYSTEM

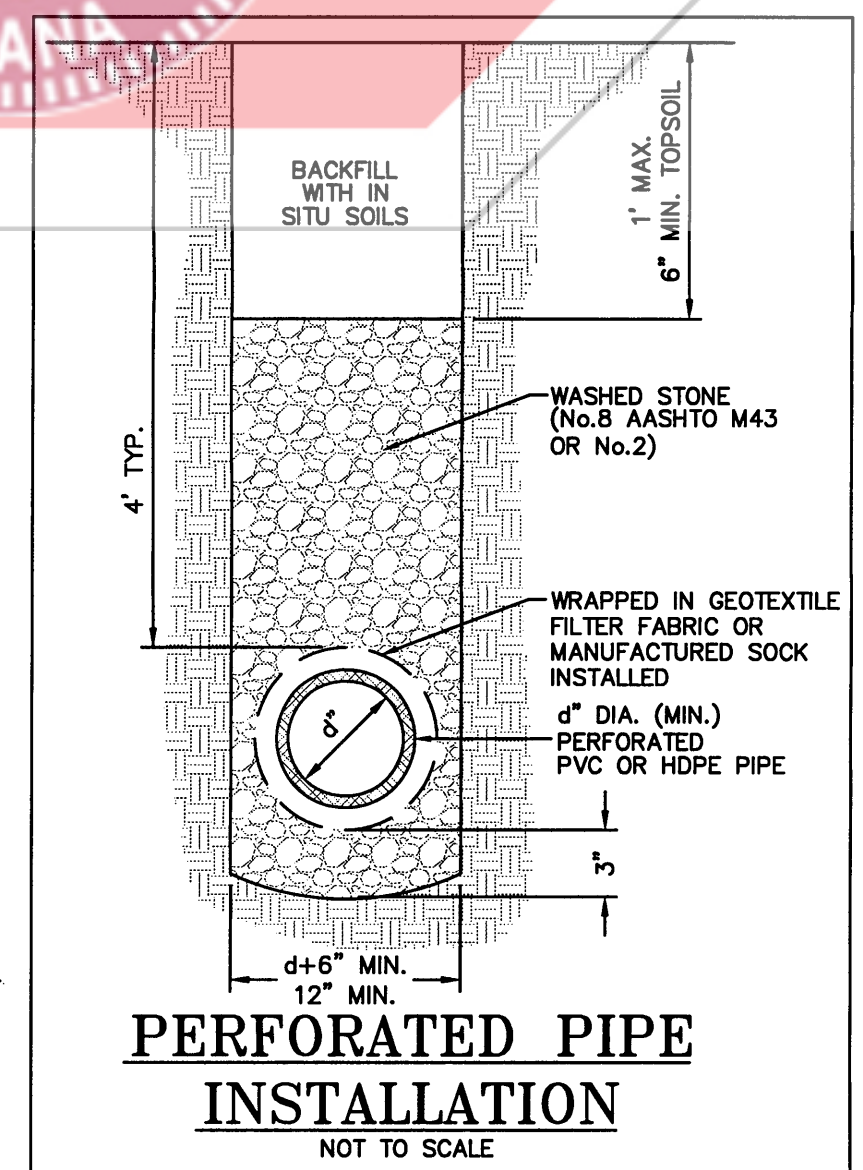
### LABORATORY AND FIELD BIO-FILTER

THE EFFECTIVENESS OF A BIO-FILTER SYSTEM IS HIGHLY DEPENDENT ON THE PROPER MAINTENANCE AND DESIGN OF THE SYSTEM.

POLLUTANT	REMOVAL RATE
TOTAL PHOSPHORUS	70% TO 83%
METALS (Cu, Zn, Pb)	93% TO 98%
TKN	68% TO 80%
TOTAL SUSPENDED SOLIDS	90%
ORGANICS	90%
HARMFUL BACTERIA	90%



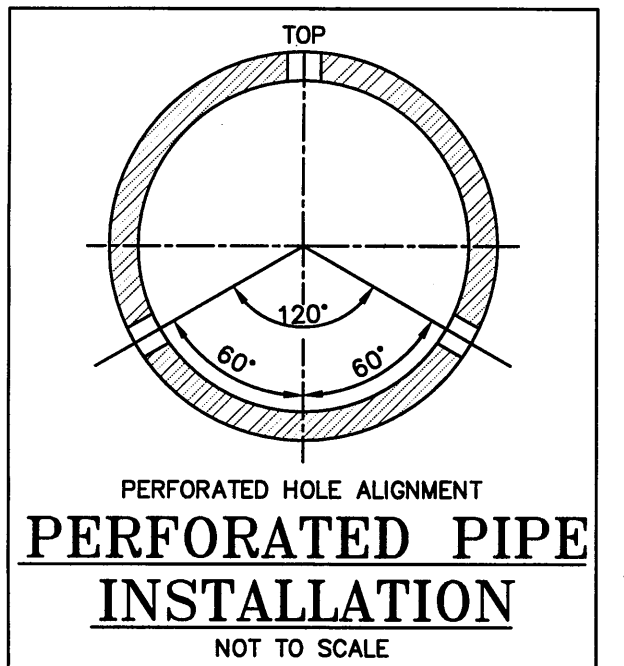
BIO-FILTER PLANTER ISOMETRIC  
NOT TO SCALE



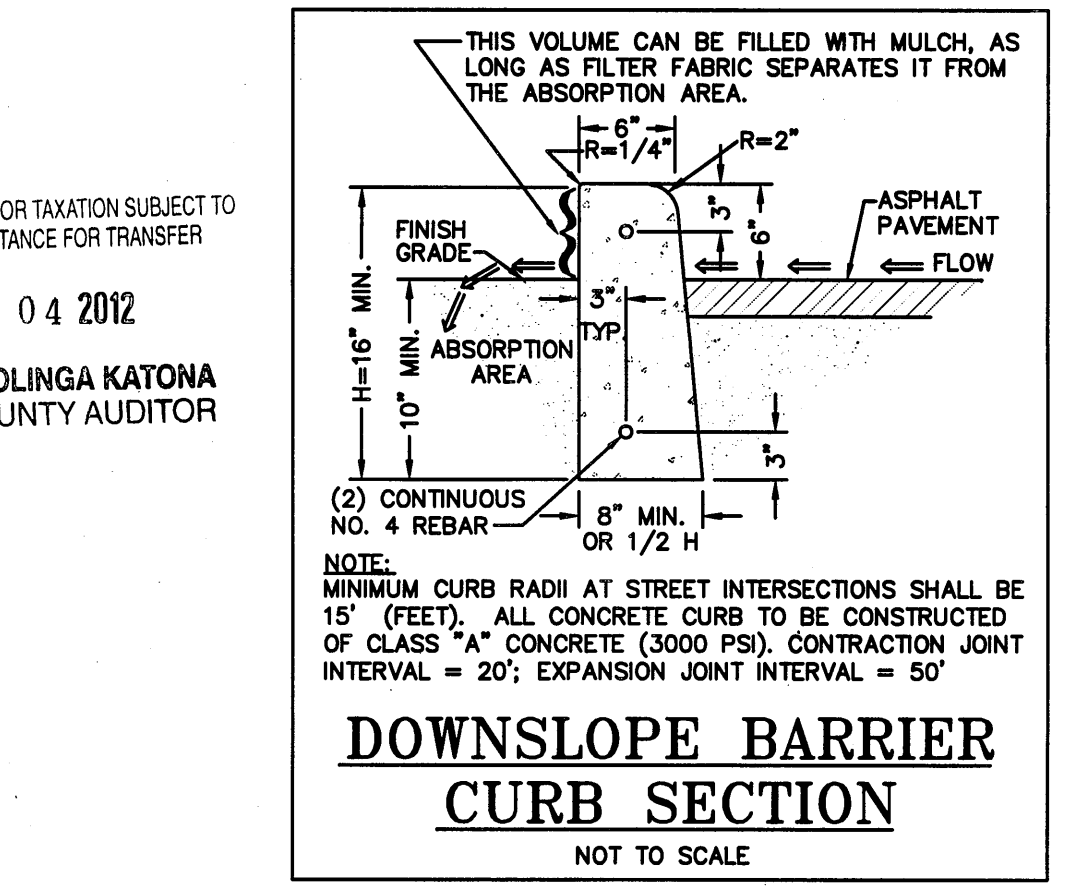
PERFORATED PIPE INSTALLATION  
NOT TO SCALE

### PERFORATED PIPE NOTES:

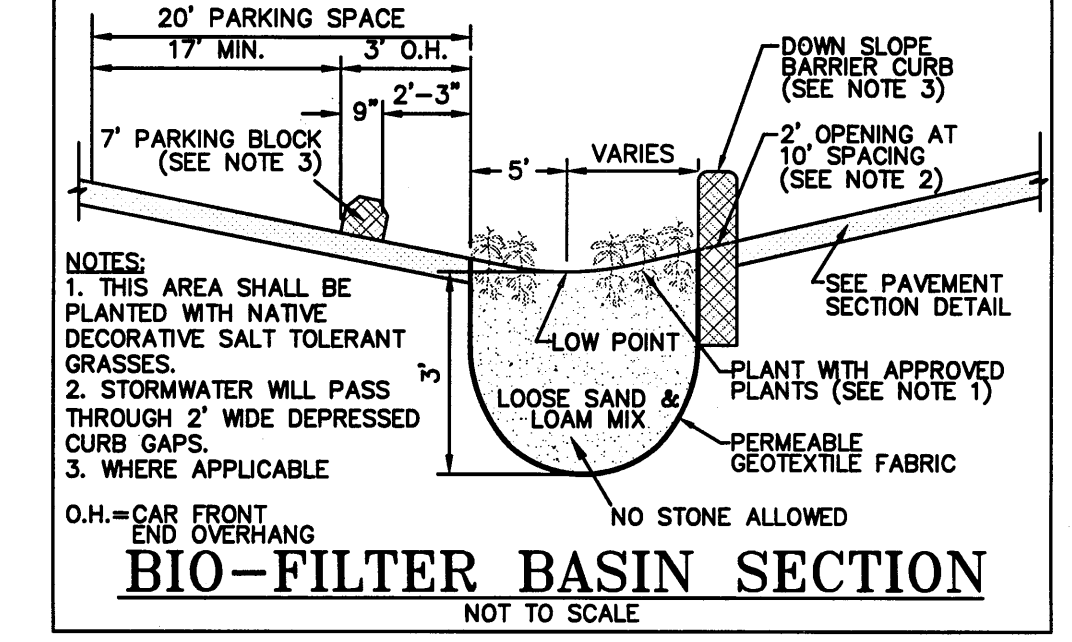
1. ALL HDPE PIPE SHALL BE HANGORE OR ADS, USING INTEGRAL BELL JOINTS. BACKFILL WITH NO. 8 STONE IN ACCORDANCE TO MANUFACTURER RECOMMENDATION.
2. ALL PERFORATED PIPE SHALL BE WRAPPED WITH A KNITTED ADS SOCK.
3. PERFORATED ADS TRIPLE WALL PIPE SHALL BE BEDDED ON NO. 8 STONE AND SHALL HAVE A MINIMUM BURIAL DEPTH OF 12 INCHES TO TOP OF PIPE.
4. CONSULT ADS REPRESENTATIVE FOR SOCK SIEVE SIZE.
5. USE NON-SHRINK WATERTIGHT GROUT IN CAST-IN OPENING GAP BETWEEN PERFORATED PIPE OR ADVANTAGE FITTINGS AND THE CATCHBASIN, MANHOLE, OR FRENCH DRAIN.
6. EACH PERFORATED ADS PIPE SHALL BE INSTALLED, SUCH THAT ONE OF THE THREE HOLES IS DIRECTLY ON TOP OF THE PIPE. (SEE DETAIL)



PERFORATED PIPE INSTALLATION  
NOT TO SCALE



DOWNSLOPE BARRIER CURB SECTION  
NOT TO SCALE



BIO-FILTER BASIN SECTION  
NOT TO SCALE

### HOLEY MOLEY SAYS "DIG SAFELY"

CALL 2 WORKING DAYS BEFORE YOU DIG  
1-800-382-5544 OR 811  
CALL TOLL FREE

PER INDIANA STATE LAW 18-1-28. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING WEEK DAYS BEFORE COMMENCING WORK.

#### COLOR CODE FOR UTILITY LOCATIONS

RED	ELECTRIC
YELLOW	GAS-OIL-STEAM
ORANGE	TELEPHONE-CATV
BLUE	WATER
GREEN	SEWER
WHITE	PROPOSED CONSTRUCTION

DRAWN BY: KLM  
DATE: 12/15/08  
CHECKED BY: GB  
DATE: 12/15/08  
PLUMB, TUCKETT & ASSOCIATES, INC.  
ALL RIGHTS RESERVED

REVISIONS

NO.	DATE	DESCRIPTION
8	5/15/12	CITY COMMENTS
9	5/16/12	CENTER OF LOT GRADES ADDED
10	6/7/12	EASEMENTS
11	6/13/12	PUB. TO PRIV. BIO-FIL. LOT 2-1
12	8/7/12	LOT 4 UTILITY EASEMENT
13	8/23/12	LOT 4 UTILITY EASE. REMOVED
14	11/19/12	END OF MARYLAND - LOT 4

FINAL PLAT  
KROSAN INTERSTATE BUSINESS PARK  
ADDITION TO THE CITY OF  
HAMMOND, INDIANA  
FOR: KROSAN DEVELOPMENT, LLC

PLUMB, TUCKETT & ASSOCIATES  
SURVEYORS-ENGINEERS  
64 West 67th Place, Merrillville, IN 46410  
(219) 736-0556 • FAX (219) 769-0178  
www.plumbtucket.com

G.L. GRANVILLE REGISTERED No. 18341 STATE OF INDIANA

PLOT SCALE: 1"=60'

KROSAN INTERSTATE BUSINESS PARK  
DRAWING NUMBER  
2  
SHEET: 2 OF 2  
JOB NO. S07024  
SECTION: 15-36-9