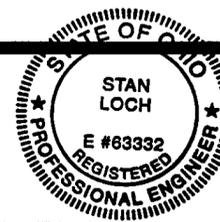


EX SAS MH
RIM 812.45
8" E INV 802.4
8" W INV 802.3

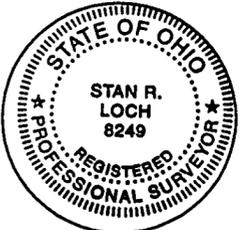
CURVE LENGTH	RADIUS	TANGENT	CHORD	BEARING	DELTA	
C1	341.77	1800.00	173.53	339.18	S82°32'45"E	24°28'39"
C2	7.96	1830.00	3.96	7.96	N85°09'25"E	0°32'56"

- ① = PROP 1" TYPE K COPPER WAT CONN
- ② = PROP 6" PVC SAS CONN @ 1% MIN
- ③ = PROP 6" PVC SDR 35 STS CONN @ 1% MIN

EX SAS MH
RIM 822.22
8" E INV 811.87
8" W INV 811.77



EX SAS MH
RIM 828.76
8" W INV 818.43



I, THE UNDERSIGNED HEREBY CERTIFY THAT THIS TOPOGRAPHY, INDICATED BY 6", 1" OR 2" CONTOURS, AND ELEVATIONS SHOWN HEREON REPRESENT AN ACTUAL FIELD SURVEY MADE BY ME ON THE 26TH DAY OF MARCH, 2007 AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE THEY EXISTED AS INDICATED HEREON.

NAME: Stan R. Loch
DATE: 5-15-07
P.S. REG. # 8249

38879 MENTOR AVENUE SUITE A
WILLOUGHBY OHIO 44094
440-602-9071



ENGINEERING and SURVEYING
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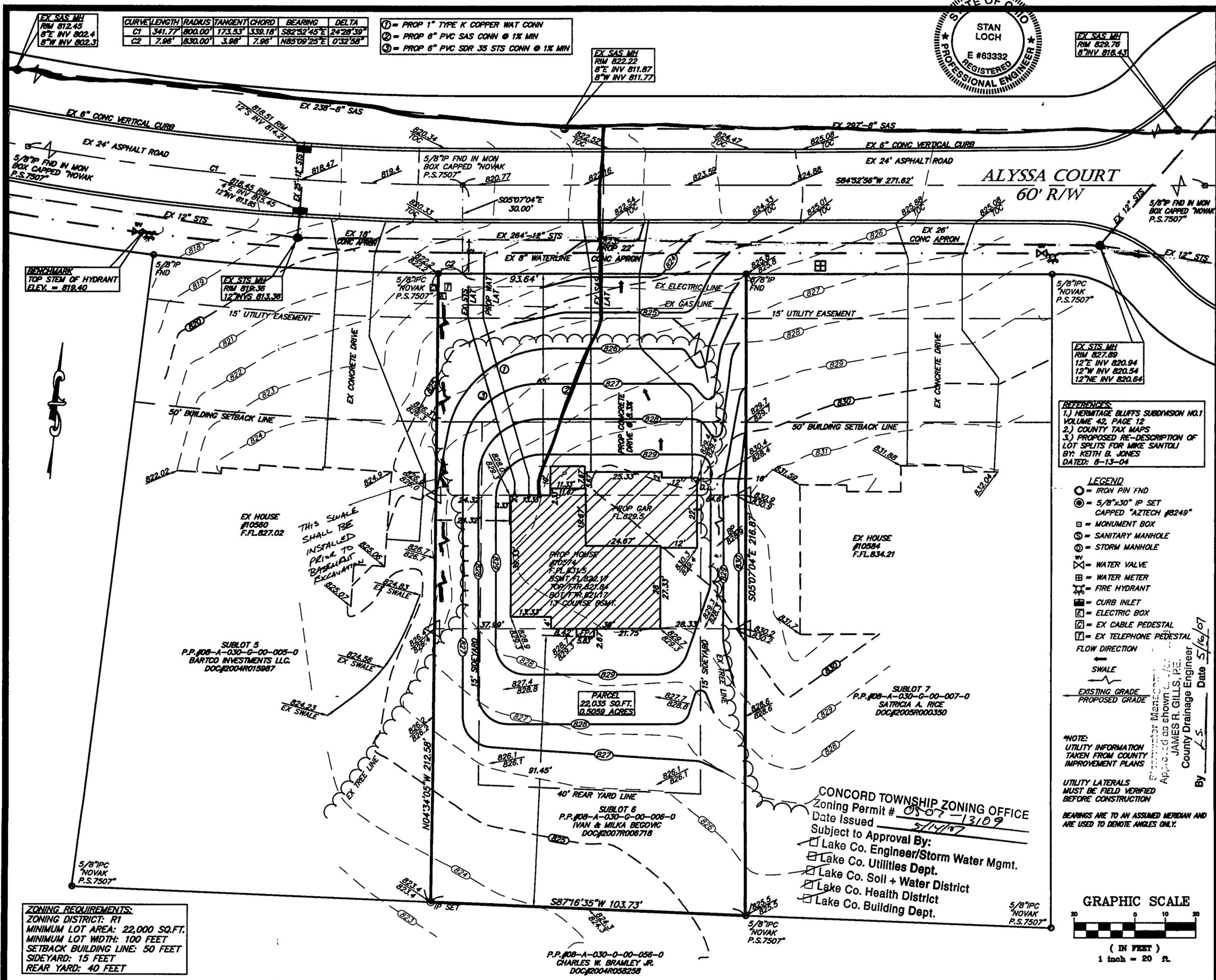
SHEET CONTENT

SITE PLAN FOR
IVAN & MILKA BEGOVIC
10574 ALYSSA COURT
BEING KNOWN AS
SUBLOT 6
IN THE
HERMITAGE BLUFFS
SUBDIVISION NO.1
AS RECORDED IN
VOLUME 42, PAGE 12
PART OF ORIGINAL
CONCORD TOWNSHIP
LOT NOS. 24 & 30,
TRACT NO.4
SITUATED IN THE
TOWNSHIP OF CONCORD
COUNTY OF LAKE
STATE OF OHIO

REVISIONS

NO.	DATE	DESCRIPTION	BY

HORIZ. SCALE	VERT. SCALE
1" = 20'	
DRAWN BY	DATE
REG	5-15-2007
CHECKED BY	DRAWING NO.
SRL	171966
JOB NO.	SHEET
171966	1 OF 2



BENCHMARK
TOP STEM OF HYDRANT
ELEV. = 818.40

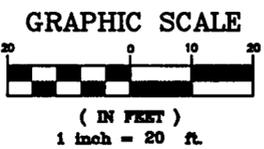
EX STS MH
RIM 819.36
12" WYS 813.38

EX STS MH
RIM 827.89
12" E INV 820.94
12" W INV 820.54
12" NE INV 820.64

- REFERENCES:
- HERMITAGE BLUFFS SUBDIVISION NO.1 VOLUME 42, PAGE 12
 - COUNTY TAX MAPS
 - PROPOSED RE-DESCRIPTION OF LOT SPLITS FOR MIKE SANTOLI BY: KEITH B. JONES DATED: 8-13-04

- LEGEND
- = IRON PIN FND
 - ⊙ = 5/8"x30" IP SET CAPPED "AZTECH #8249"
 - = MONUMENT BOX
 - ⊕ = SANITARY MANHOLE
 - ⊙ = STORM MANHOLE
 - ⊕ = WATER VALVE
 - ⊕ = WATER METER
 - ⊕ = FIRE HYDRANT
 - ⊕ = CURB INLET
 - ⊕ = ELECTRIC BOX
 - ⊕ = EX CABLE PEDESTAL
 - ⊕ = EX TELEPHONE PEDESTAL
 - = FLOW DIRECTION
 - = SWALE
 - = EXISTING GRADE
 - = PROPOSED GRADE

NOTE:
UTILITY INFORMATION TAKEN FROM COUNTY IMPROVEMENT PLANS
UTILITY LATERALS MUST BE FIELD VERIFIED BEFORE CONSTRUCTION
BEARINGS ARE TO AN ASSUMED MERIDIAN AND ARE USED TO DENOTE ANGLES ONLY.

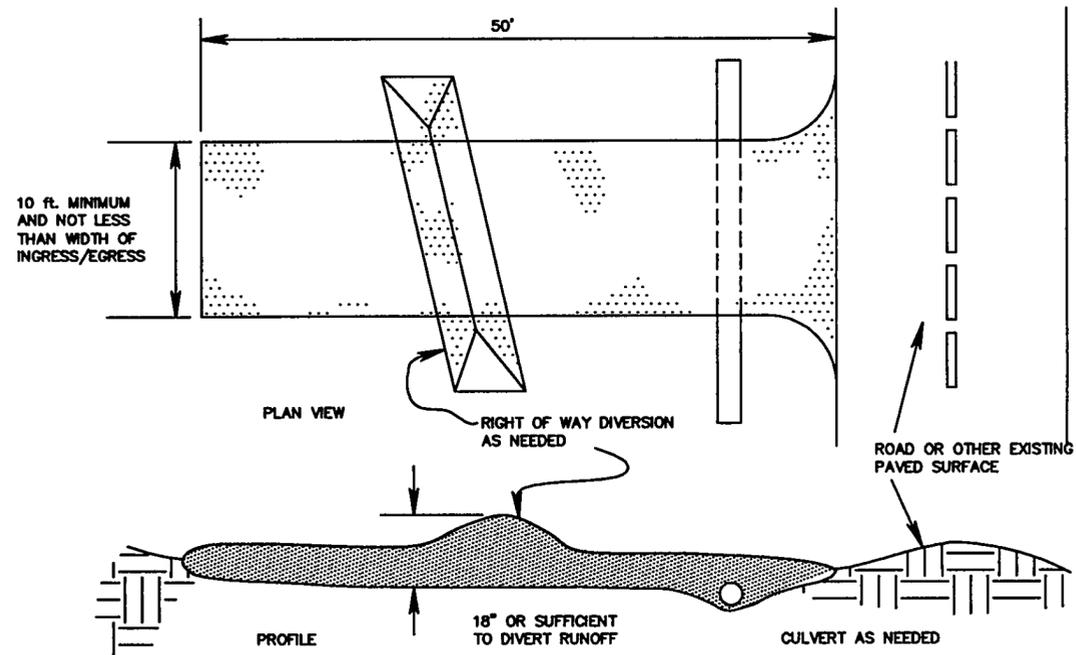


ZONING REQUIREMENTS:
ZONING DISTRICT: R1
MINIMUM LOT AREA: 22,000 SQ.FT.
MINIMUM LOT WIDTH: 100 FEET
SETBACK BUILDING LINE: 50 FEET
SIDEYARD: 15 FEET
REAR YARD: 40 FEET

CONCORD TOWNSHIP ZONING OFFICE
Zoning Permit # 0507-13109
Date Issued 5/14/07
Subject to Approval By:
 Lake Co. Engineer/Storm Water Mgmt.
 Lake Co. Utilities Dept.
 Lake Co. Soil + Water District
 Lake Co. Health District
 Lake Co. Building Dept.

P.P.#08-A-030-0-00-058-0
CHARLES W. BRAMLEY JR.
DOC#2004R058258

By: James R. Gillis, P.E.
County Drainage Engineer
Date: 5/15/07



CONSTRUCTION ENTRANCE
NOT TO SCALE

SPECIFICATIONS FOR CONSTRUCTION ENTRANCE:

1. STONE SIZE--TWO-INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH--THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 50 FT. (EXCEPT ON SINGLE RESIDENCE LOT WHERE A 30-FT. MINIMUM LENGTH APPLIES).
3. THICKNESS--THE STONE LAYER SHALL BE AT LEAST 6 IN. THICK.
4. WIDTH--THE ENTRANCE SHALL BE AT LEAST 10 FT. WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
5. BEDDING--A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL HAVE A GRAB TENSILE STRENGTH OF AT LEAST 200 LB. AND A MULLEN BURST STRENGTH OF AT LEAST 190 LB.
6. CULVERT--A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
7. WATER BAR--A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
8. MAINTENANCE--TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
9. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

CONSTRUCTION ENTRANCE

DESCRIPTION:

A CONSTRUCTION ENTRANCE IS A STABILIZED PAD OF AGGREGATE OVER A GEOTEXTILE BASE AND IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC.

CONDITIONS WHERE PRACTICE APPLIES:

A CONSTRUCTION ENTRANCE SHOULD BE USED:

- WHERE CONSTRUCTION VEHICLES LEAVE ACTIVE CONSTRUCTION AREAS ONTO SURFACES WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS;
- AT ALL POINTS OF EGRESS TO PUBLIC ROADS;
- WHERE FREQUENT VEHICLES AND EQUIPMENT INGRESS/EGRESS IS EXPECTED SUCH AS AT THE ENTRANCE OF INDIVIDUAL BUILDING LOTS;

PLANNING CONSIDERATIONS:

THIS PRACTICE SHOULD NOT BE RELIED ON TO REMOVE MUD FROM CONSTRUCTION TRAFFIC. MOST MUD IS FLUNG FROM TIRES AS VEHICLES REACH SPEEDS HIGHER THAN IS REACHED ON SITE. THE BEST APPROACH TO PREVENTING OFF-SITE TRACKING IS TO KEEP VEHICLES THAT FREQUENTLY ENTER AND LEAVE A SITE, AWAY FROM MUDDY AREAS IN THE FIRST PLACE. VEHICLES SHOULD BE RESTRICTED TO STABILIZED AREAS TO THE EXTENT PRACTICAL, AND AREAS WHERE FREQUENT INGRESS/EGRESS IS EXPECTED SHOULD BE STABILIZED.

TEMPORARY SEEDING

SEEDING DATES	SPECIES	Lb./1,000 S.F.	PER ACRE
MARCH 1 - AUGUST 15	OATS	3	4 BUSHEL
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
AUGUST 16 - NOVEMBER 1	PERENNIAL RYEGRASS	1	40 LB.
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
NOVEMBER 1 - SPRING	RYE	3	2 BUSHEL
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
AUGUST 16 - NOVEMBER 1	WHEAT	3	2 BUSHEL
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
NOVEMBER 1 - SPRING	PERENNIAL RYEGRASS	1	40 LB.
	TALL FESCUE	1	40 LB.
	ANNUAL RYEGRASS	1	40 LB.
NOVEMBER 1 - SPRING USE MULCH ONLY, SODDING PRACTICES OR DORMANT SEEDING.			

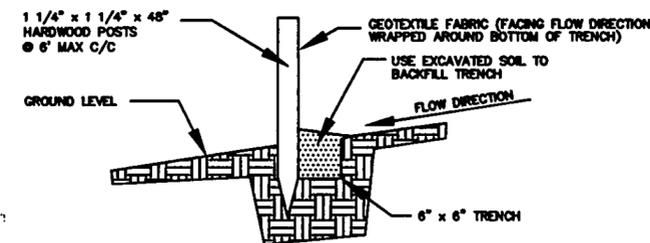
MULCHING:

APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING.

STRAW: IF STRAW IS USED, IT SHALL BE UNROTTED SMALL-GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/ACRE OR 90 LBS. /1,000 S.F. (TWO TO THREE BALES). THE MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 S.F. SECTIONS AND SPREAD TWO 45-LB BALES OF STRAW IN EACH SECTION.

HYDROSEEDERS: IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2,000 LBS./ACRE OR 46 LB./1,000 S.F.

OTHER: OTHER ACCEPTABLE MULCHES INCLUDE MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TONS/ACRE.



TYPICAL CROSS SECTION

SILT FENCE DETAIL
(NOT TO SCALE)

38879 MENTOR AVENUE SUITE A
WILLOUGHBY OHIO 44094
440-602-9071



ENGINEERING and SURVEYING

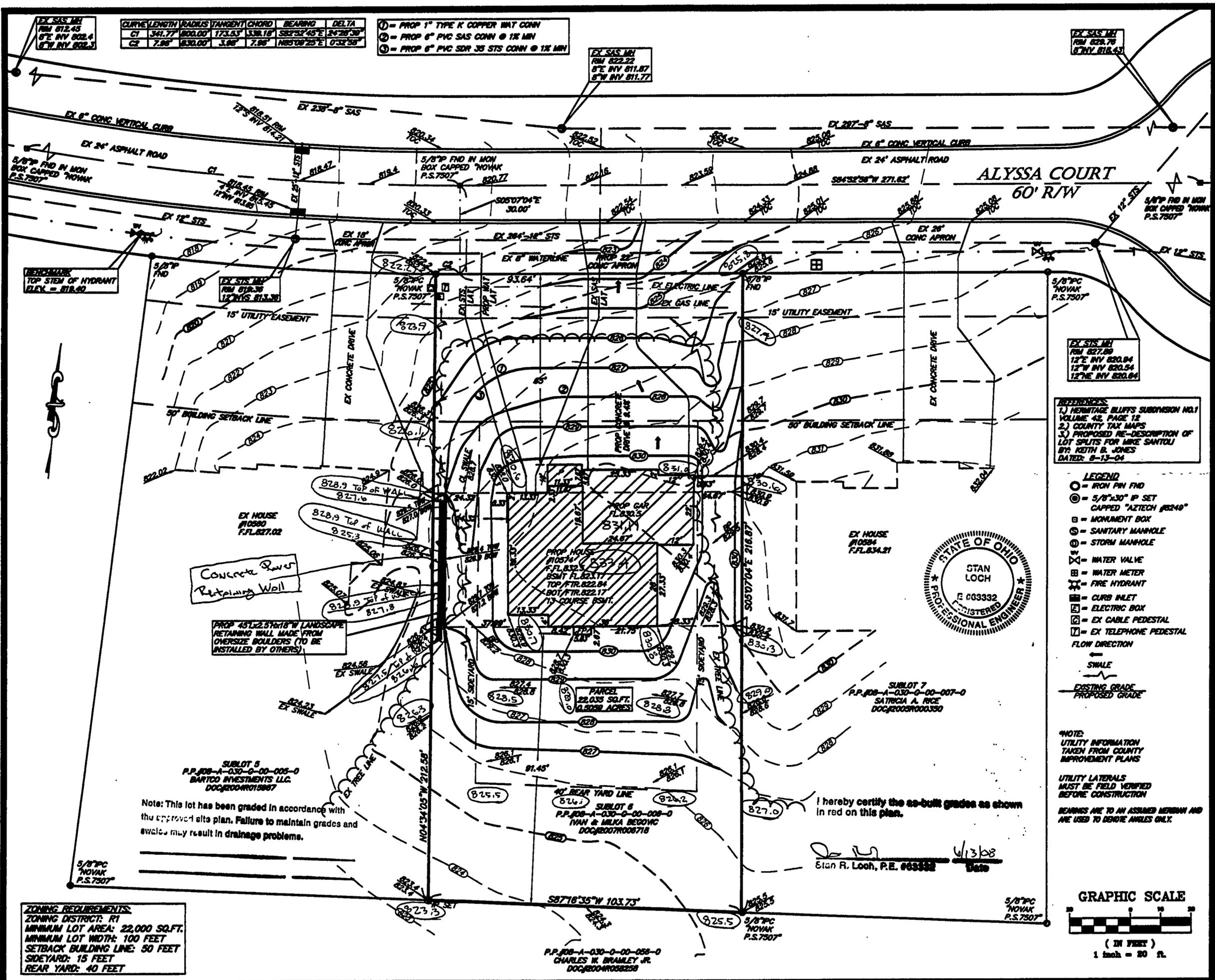
CM Engineering - Land Surveying

SHEET CONTENT

SITE DETAILS FOR
IVAN & MIEKA BEGOVIC
BEING KNOWN AS
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STATE OF OHIO

REVISIONS			
NO.	DATE	DESCRIPTION	BY

HORIZ. SCALE 1" = 20'	VERT. SCALE
DRAWN BY KEG	DATE 5-7-2007
CHECKED BY SRL	DRAWING NO. 171966
JOB NO. 171966	SHEET 2 OF 2



STATE OF OHIO
 STAN R. LOCH
 8249
 REGISTERED PROFESSIONAL SURVEYOR

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS TOPOGRAPHY, INDICATED BY 6", 0" OR 2" CONTOURS, AND ELEVATIONS SHOWN HEREON REPRESENT AN ACTUAL FIELD SURVEY MADE BY ME ON THE 28th DAY OF MARCH, 2007 AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE THEY EXISTED AS INDICATED HEREON.

DATE 6-23-07
NAME H.S. REED/8249

8879 MENTOR AVENUE SUITE A
 WILLOUGHBY OHIO 44094
 440-602-9071

AZTECH
 FAX 602-9401

ENGINEERING and SURVEYING
 Civil Engineering - Land Surveying

SHEET CONTENT

SITE PLAN FOR
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COUNTY OF LAKE
STATE OF OHIO

REVISIONS

NO.	DATE	DESCRIPTION	BY
1	8-22-07	REV PER HOMEOWNER	KEG

DATE 4/13/08
DATE

SCALE
 1" = 20'
 DATE 5-15-2007
 17966
 17966
 1 OF 2