M:\BEV98\SP102cherryhillR6.dwg, 4/22/2016 11:39:48 AM, TC

CHERRY HILL DRIVE
(PUBLIC WAY)

LOT B
#102 CHERRY HILL DRIVE
254,968 S.F.
5.853 ACRES

SAM FONZO DRIVE

LIMIT OF AIRPORT APPROACH ZONE

LOCUS MAP
SCALE: 1"=800'

CHERRY HILL DR
SAM FONZO DR
COMANT ST
ROUTE 128
CABOT ST
TRASK ST
J.P HENDERSON RD
BEVERLY MUNICIPAL AIRPORT
LOCUS

Drawing No.:	EX
	SHEET 1 OF 3
Drawing Title:	EXISTING CONDITIONS PLAN HIGH RES BIOSOLUTIONS #102 CHERRY HILL DRIVE BEVERLY, MASS.
	Scale: 1"=20' 0' 10' 20' 40' Date: March 3, 2016

No.	Revision	Date
10		
9		
8		
7		
6		
5		
4		
3		
2	Outlet Control Structure	4-19-2016
1	City Comments	4-12-2016

Design By: EBL
Drawn By: EBL
Checked By: PJO
Project File: BEV-0171A
Comp. No: BE98

☐ Issued For Permit
☐ Issued For Review
☐ Issued For Bid
☐ Issued For Construction
☒ Not For Construction

Seal:

Prepared By:
Hayes Engineering, Inc.
603 Salem Street
Wakefield, MA 01880
Ph: 781.246.2800
Fax: 781.246.7596
www.hayeseng.com

Prepared For:
Applicant
CONNOLLY BROTHERS, INC.
152 CONANT STREET
BEVERLY, MA 01915-1659

Drawing No.: C1

SITE PLAN
HIGH RES BIOSOLUTIONS
#102 CHERRY HILL DRIVE
BEVERLY, MASS.

Drawing Title:

Scale: 1"=20'

0' 10' 20' 40'

Date: March 3, 2016

No.	Description	Date
1	Outlet Control Structure	4-19-2016
2	City comments	4-12-2016
3	Revision	Date
4		
5		
6		
7		
8		
9		
10		

☒ Not For Construction
☐ Issued For Construction
☐ Issued For Bid
☐ Issued For Review
☒ Issued For Permit
Comp. No.: BEV938
Project File: BEV-0172A
Checked By: PJO
Drawn By: EBL
Design By: EBL

Seal:

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BEVERLY, MA 01915-1659

ZONING TABLE

ZONE	IR (RESTRICTED INDUSTRIAL)		
DIMENSIONAL CONTROLS	REQUIRED/ALLOWED	PROPOSED	
FRONT YARD SETBACK	30 ft.	31.0± ft.	
SIDE YARD SETBACK	20 ft.	158.0± ft.	
REAR YARD SETBACK	25 ft.	364.7± ft.	
MIN. FRONTAGE	225 ft.	399.62 ft.	
MIN. LOT AREA	2 acres	5.83 acres	
MAX. BUILDING HEIGHT	60 ft.	<35 ft.	
MAX. LOT COVERAGE (bldgs.)	40%	15.8%	
MAX. LOT COVERAGE (bldgs./paving)	60%	55.5%	

PARKING CALCULATIONS

CALCULATION	REQUIRED/ALLOWED	PROPOSED
REQUIRED OFFICE: 1 space/250 GROSS SQUARE FOOTAGE (40,000 S.F.)	160 spaces	160 (9'x18')
REQUIRED MANUFACTURING: 2.5 spaces/1000 S.F. (40,000 S.F.)	100 spaces	100 (9'x18')
TOTAL SPACES	260 spaces	260 spaces

NOTES:
1) DATUM IS NGVD
2) ALL DRAIN LINES TO BE HDPE UNLESS OTHERWISE SPECIFIED.
3) EXISTING UTILITIES TAKEN FROM A PLAN ENTITLED "CONSTRUCTION SITE PLAN" BY MERIDIAN ASSOCIATES DATED SEPTEMBER 12, 2012" BY HAYES ENGINEERING, INC. PERFORMED DECEMBER 8, 2012 THROUGH DECEMBER 13, 2012.
4) EXISTING TOPOGRAPHY IS THE RESULT OF AN ACTUAL FIELD SURVEY
5) THERE ARE NO WETLANDS WITHIN 100' OF THE PROPERTY BOUNDARY.
6) STEEP SLOPES TO BE GRADED WITH A TRACK MACHINE NORMAL TO THE SLOPE.
7) STEEP SLOPES TO BE PROTECTED WITH COCO MAT.
8) SEE SITE ELECTRIC PLAN FOR SITE ELECTRICAL LAYOUT LOCATIONS.

LEGEND

CCB CAPE COD BERM
VGC VERTICAL GRANITE CURB
SGC SLOPED GRANITE CURB
128 EXISTING CONTOUR
PROPOSED CONTOUR
CATCH BASIN
DRAIN MANHOLE
SEWER MANHOLE
TELEPHONE MANHOLE
ELECTRIC MANHOLE
TELEPHONE MANHOLE
ELECTRIC MANHOLE
LIGHT POLE
BOLLARD
FIRE HYDRANT
WATER VALVE
EXISTING SPOT GRADE
PROPOSED SPOT GRADE
PROPOSED BOULARD LIGHT

SAM FONZO DRIVE

CHERRY HILL DRIVE (PUBLIC WAY)

LIMIT OF AIRPORT APPROACH ZONE

PROPOSED BUILDING
LOWER LEVEL = 125.0
LOBBY LEVEL = 136.0
UPPER LEVEL = 144.0
ROOF ELEV. = 157.0
TOP EQUIPMENT = 165.0
#6

PROPOSED 200' x 60' LEVELING PAD

PROPOSED 6'HT. STOCKADE FENCE

PROPOSED 6'HT. CHAIN LINK FENCE

PROPOSED RETAINING WALL

PROPOSED STOCKADE FENCE

PROPOSED GUARDRAIL

PROPOSED UNDERDRAIN

PROPOSED STORMCEPTOR

PROPOSED 40' STORM

PROPOSED 8" SEWER

PROPOSED 12" WATER

PROPOSED 4" GAS

PROPOSED 2" TELECOM

PROPOSED 2" ELECTRIC

PROPOSED 2" TELEPHONE

PROPOSED 2" DOMESTIC & 10" DUCTILE IRON FIRE SERVICE IN COMMON TRENCH

PROPOSED CAST IRON SLEEVED GATE & THRUST RESTRAINED (TYP.)

PROPOSED 6" GAS SERVICE

PROPOSED 6" WATER SERVICE

PROPOSED HYDRANT W/GATE VALVE

PROPOSED OAK TREE TO BE SIZED BY MECHANICAL

PROPOSED 10' WARNING GATE & SLEEVED

PROPOSED 10' DOUBLE SWING GATE

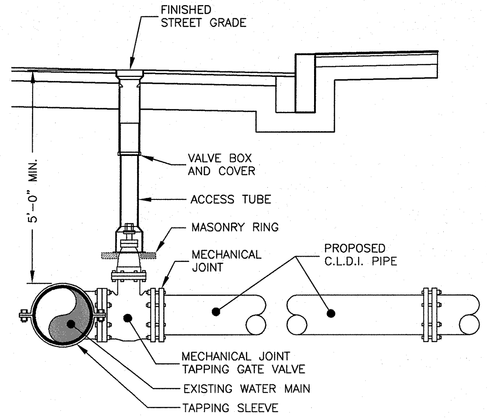
PROPOSED 10' SINGLE SWING GATE

PROPOSED 12' ROLLING GATE

PROPOSED 12' SWING GATE

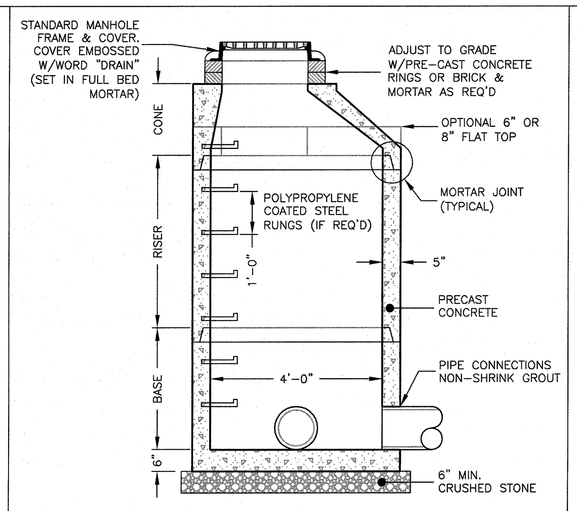
PROPOSED 12' SWING GATE

PROPOSED 12' SW



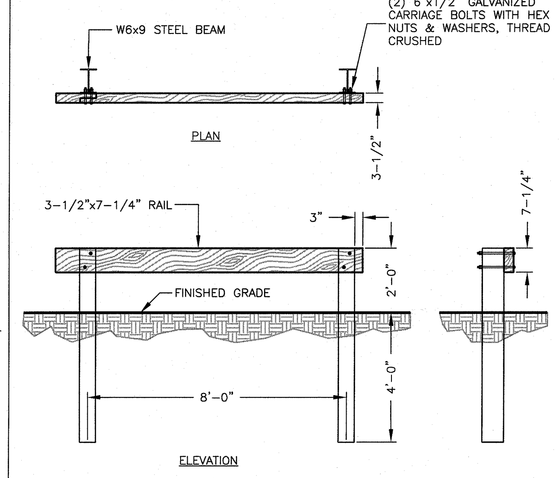
TAPPING SLEEVE & GATE
NOT TO SCALE

NOTES:
1. CONCRETE THRUST BLOCK TO BE USED ONLY WHERE IT WILL BEAR ON UNDISTURBED EARTH.
2. USE RESTRAINED JOINT FITTINGS OR TIE RODS WHERE CONCRETE THRUST BLOCK IS UNACCEPTABLE.
3. SIZE OF BLOCK OR MEGALUG TO BE DESIGNED FOR SPECIFIC CONDITIONS.



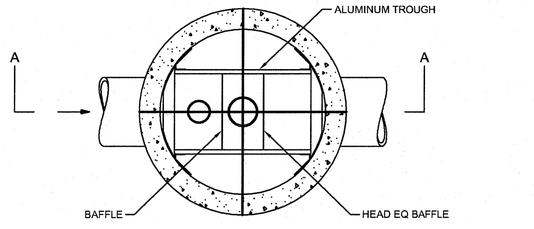
PRE-CAST DRAIN MANHOLE
NOT TO SCALE

NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM.
3. H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."

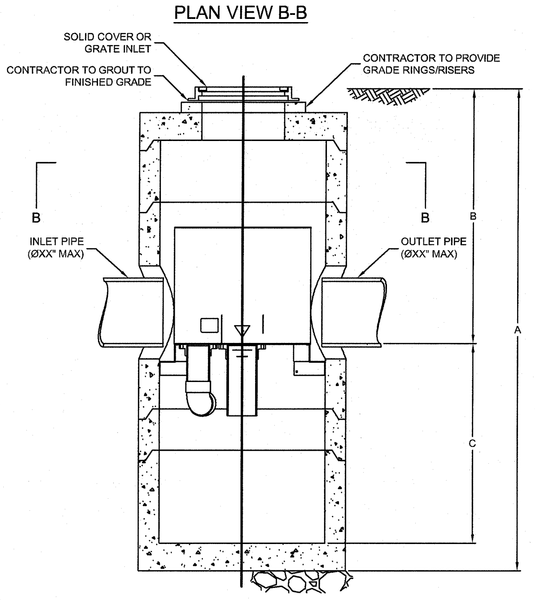


WOOD GUARDRAIL-STEEL POSTS
NOT TO SCALE

NOTE:
1. ALL SPLICES TO BE AT POSTS.
2. USE PRESSURE TREATED WOOD.



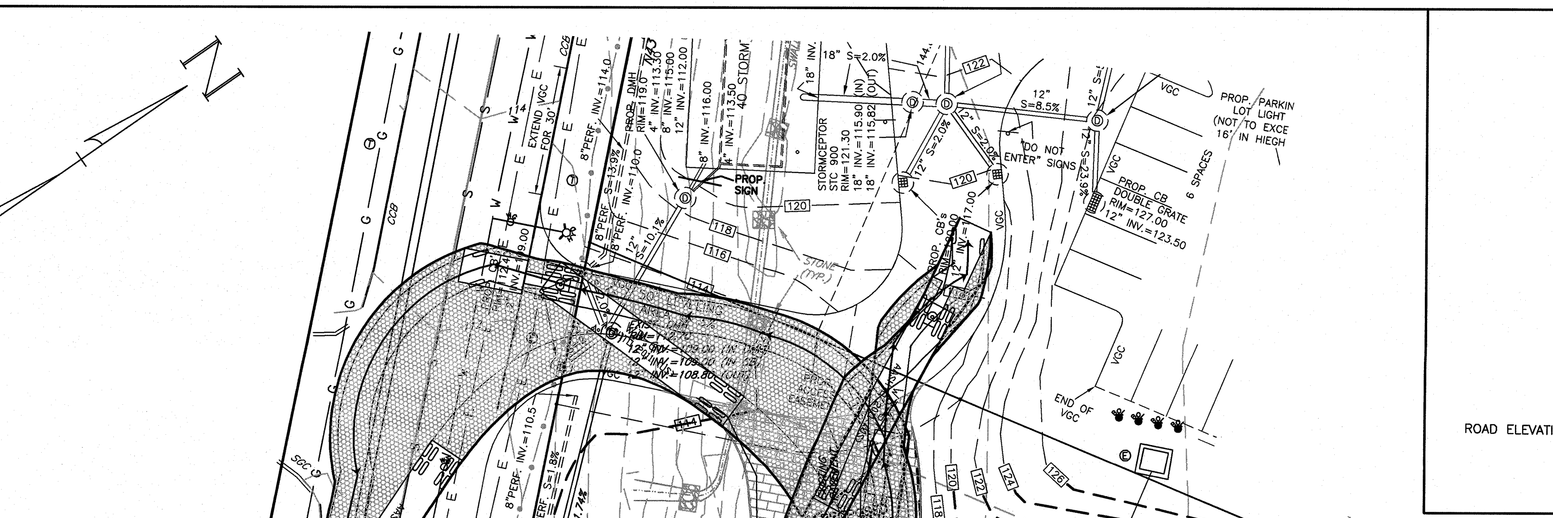
PLAN VIEW B-B



SECTION A-A

VortSentry®

THIS PRODUCT AND THE SPECIFICATIONS CONTAINED HEREIN ARE PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 6,511,595; 6,649,048; 6,676,830; 6,702,948; 6,736,969; 6,746,599; 6,758,968; 6,790,351; 6,830,687; 6,911,140; 6,924,215; 7,186,333; 7,296,692; 7,297,266; 7,470,366; 7,563,363; 7,615,153; 7,708,884; 7,905,365; 7,918,349; 8,057,675; 8,167,143; 8,172,081; 8,182,687; 8,287,728; 8,318,014; 8,318,015; 8,334,075; 8,349,173; 8,357,292; 8,431,008; 8,470,173; 8,475,654; 8,475,655; 8,506,806; 8,512,560; 8,524,079; 8,524,080; 8,535,529; 8,540,873; 8,540,874; 8,551,326; 8,557,110; 8,562,824; 8,562,825; 8,568,597; 8,580,114; 8,585,892; 8,585,893; 8,585,894; 8,591,729; 8,596,466; 8,597,504; 8,603,330; 8,608,951; 8,613,847; 8,623,199; 8,623,200; 8,623,201; 8,628,663; 8,641,902; 8,647,507; 8,652,324; 8,657,130; 8,663,466; 8,673,151; 8,679,333; 8,685,240; 8,685,241; 8,696,908; 8,702,966; 8,702,967; 8,715,496; 8,721,882; 8,721,883; 8,721,884; 8,728,316; 8,728,317; 8,734,648; 8,734,649; 8,741,148; 8,741,149; 8,747,662; 8,753,509; 8,758,615; 8,758,616; 8,758,617; 8,758,618; 8,764,978; 8,771,506; 8,771,507; 8,771,508; 8,778,181; 8,778,182; 8,778,183; 8,778,184; 8,778,185; 8,778,186; 8,778,187; 8,778,188; 8,778,189; 8,778,190; 8,778,191; 8,778,192; 8,778,193; 8,778,194; 8,778,195; 8,778,196; 8,778,197; 8,778,198; 8,778,199; 8,778,200; 8,778,201; 8,778,202; 8,778,203; 8,778,204; 8,778,205; 8,778,206; 8,778,207; 8,778,208; 8,778,209; 8,778,210; 8,778,211; 8,778,212; 8,778,213; 8,778,214; 8,778,215; 8,778,216; 8,778,217; 8,778,218; 8,778,219; 8,778,220;



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Seal:

PETER J. CORIN REGISTERED PROFESSIONAL ENGINEER

Design By:	EBL
Drawn By:	EBL
Checked By:	PJO
Project File:	BEV–0171A
Comp. No:	BEV98

- [x] Issued For Permit
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No.	Description	Date
1	Outlet Control Structure	4–19–2016
2	Revision	
3		
4		
5		
6		
7		
8		
9		
10		

Scale: 1"=20'
0' 10' 20' 40'
Date: April 12, 2016

Drawing Title:

ACCESS PLAN
HIGH RES BIOSOLUTIONS
#102 CHERRY HILL DRIVE
BEVERLY, MASS.

Drawing No.:

AC

M:\BEV98\SP\102cherryhill\RE.dwg, 4/22/2016 11:41:09 AM, TC

Existing Watershed Plan in BEVERLY, MASS.

Hayes Engineering, Inc.
Civil Engineers & Land Surveyors
603 Salem Street
Wakefield, MA 01880

Telephone: 781.246.2800
Facsimile: 781.246.7596
www.hayeseng.com

Scale: 1" = 40'

0' 20' 40' 80' 120'

February 12, 2016
Rev: 4-12-2016

#102 Cherry Hill Drive

CHERRY HILL DRIVE
(PUBLIC WAY)

SAM FONZO DRIVE

LOT B
#102 CHERRY HILL DRIVE
254,968 S.F.
5.853 ACRES

LIMIT OF AIRPORT APPROACH ZONE

Tc

ES

EW

EE

EN

#1 #2 #3 #5 #6

191' TO WETLAND

228' TO WETLAND

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