

**GENERAL NOTES:**

- OWNERS OF ADJOINING PROPERTIES ARE SHOWN ACCORDING TO CURRENT TOWN OF SUDBURY ASSESSORS RECORDS.
- THIS PLAN IS BASED ON AN ON-THE-GROUND SURVEY BY SULLIVAN CONNORS AND ASSOCIATES PERFORMED ON FEBRUARY 8, 2017.
- LEGAL STATUS OF EASEMENTS AND WAYS, NOT DETERMINED BY THIS SURVEY.
- WETLANDS SHOWN HEREON WERE FLAGGED BY GODDARD CONSULTING INC. AND LOCATED ON-THE-GROUND BY SULLIVAN CONNORS AND ASSOCIATES.

**ZONING**  
 ZONED: INDUSTRIAL  
 AREA = N/A sf  
 FRONTAGE = 50 feet  
 SETBACKS: FRONT = 20 feet  
               = 50 feet Boston Post Rd.  
               ROAD C = 50 feet  
               SIDE = 30 feet  
               REAR = 30 feet

APPROVED BY:  
SUDBURY PLANNING BOARD

DATE: \_\_\_\_\_

PREPARED FOR:  
 THE BUDDY DOG HUMANE SOCIETY INC.  
 151 BOSTON POST ROAD  
 SUDBURY, MA 01776

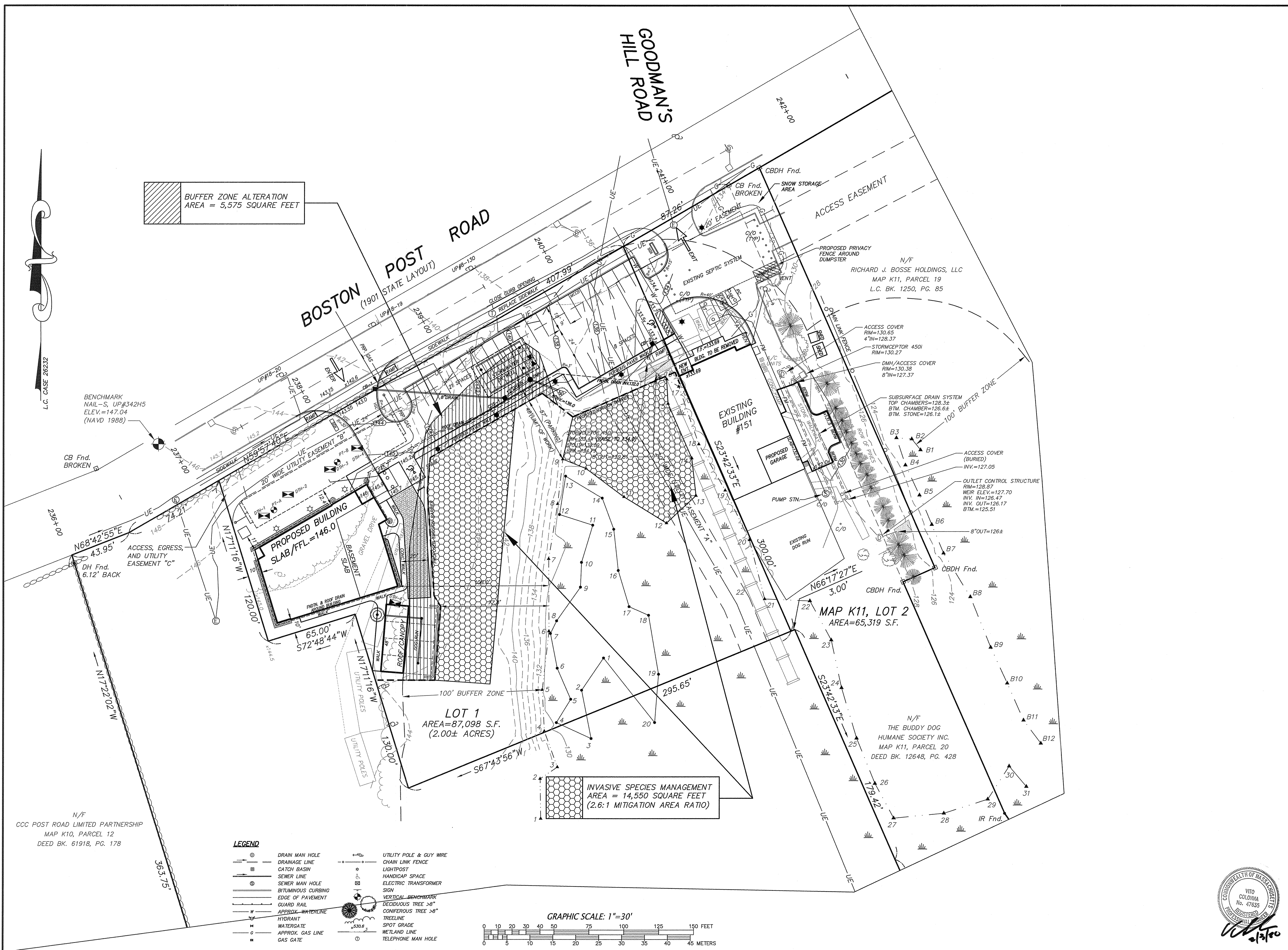
**SULLIVAN, CONNORS AND ASSOCIATES**  
 LAND SURVEYING AND CIVIL ENGINEERING  
 121 BOSTON POST ROAD  
 SUDBURY, MASSACHUSETTS 01776  
 PHONE: 978-443-9566 FAX: 978-443-8915

PROJECT:  
**PROPOSED SITE PLAN**  
 OF  
**183 BOSTON POST ROAD**  
 IN  
**SUDBURY, MASS.**

REVISED:	DESCRIPTION:
2/3/2020	REVISED SITE LAYOUT
11/5/2019	PEER REVIEW COMMENTS
10/4/2019	EDITS PER MEETING
9/30/2019	REVISED LAYOUT
8/5/2019	COORDINATION W/ ARCH DRAWINGS
DRAWN BY: REM	CHECK BY: VC
DATE: JUNE 12, 2019	

**MITIGATION PLAN**  
 SCALE: 1"=30' SHEET 1 OF 1.

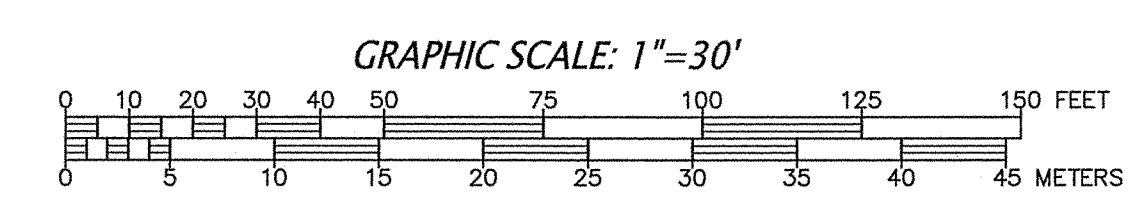




**BUFFER ZONE ALTERATION**  
AREA = 5,575 SQUARE FEET

**INVASIVE SPECIES MANAGEMENT**  
AREA = 14,550 SQUARE FEET  
(2.6:1 MITIGATION AREA RATIO)

- LEGEND**
- ⊙ DRAIN MAN HOLE
  - DRAINAGE LINE
  - ⊠ CATCH BASIN
  - SEWER LINE
  - ⊙ SEWER MAN HOLE
  - BITUMINOUS CURBING
  - EDGE OF PAVEMENT
  - GUARD RAIL
  - APPROX. WATERLINE
  - HYDRANT
  - WATERGATE
  - APPROX. GAS LINE
  - GAS GATE
  - UTILITY POLE & GUY WIRE
  - CHAIN LINK FENCE
  - LIGHTPOST
  - HANDICAP SPACE
  - ELECTRIC TRANSFORMER
  - SIGN
  - VERTICAL BENCHMARK
  - DECIDUOUS TREE >8"
  - CONIFEROUS TREE >8"
  - TREELINE
  - SPOT GRADE
  - WETLAND LINE
  - TELEPHONE MAN HOLE



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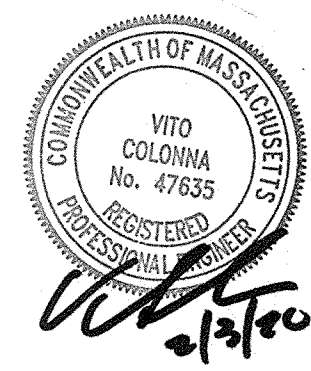
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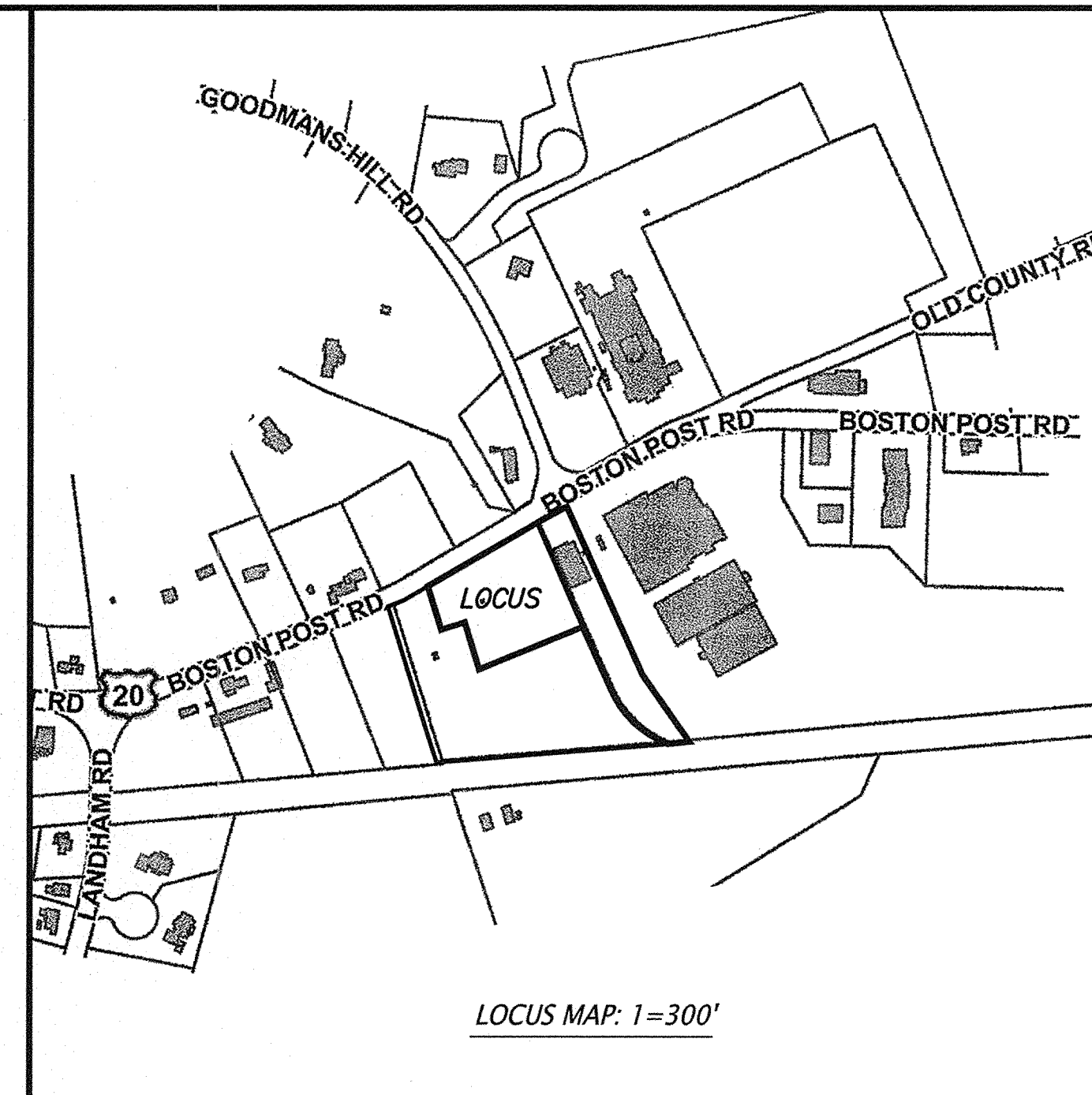
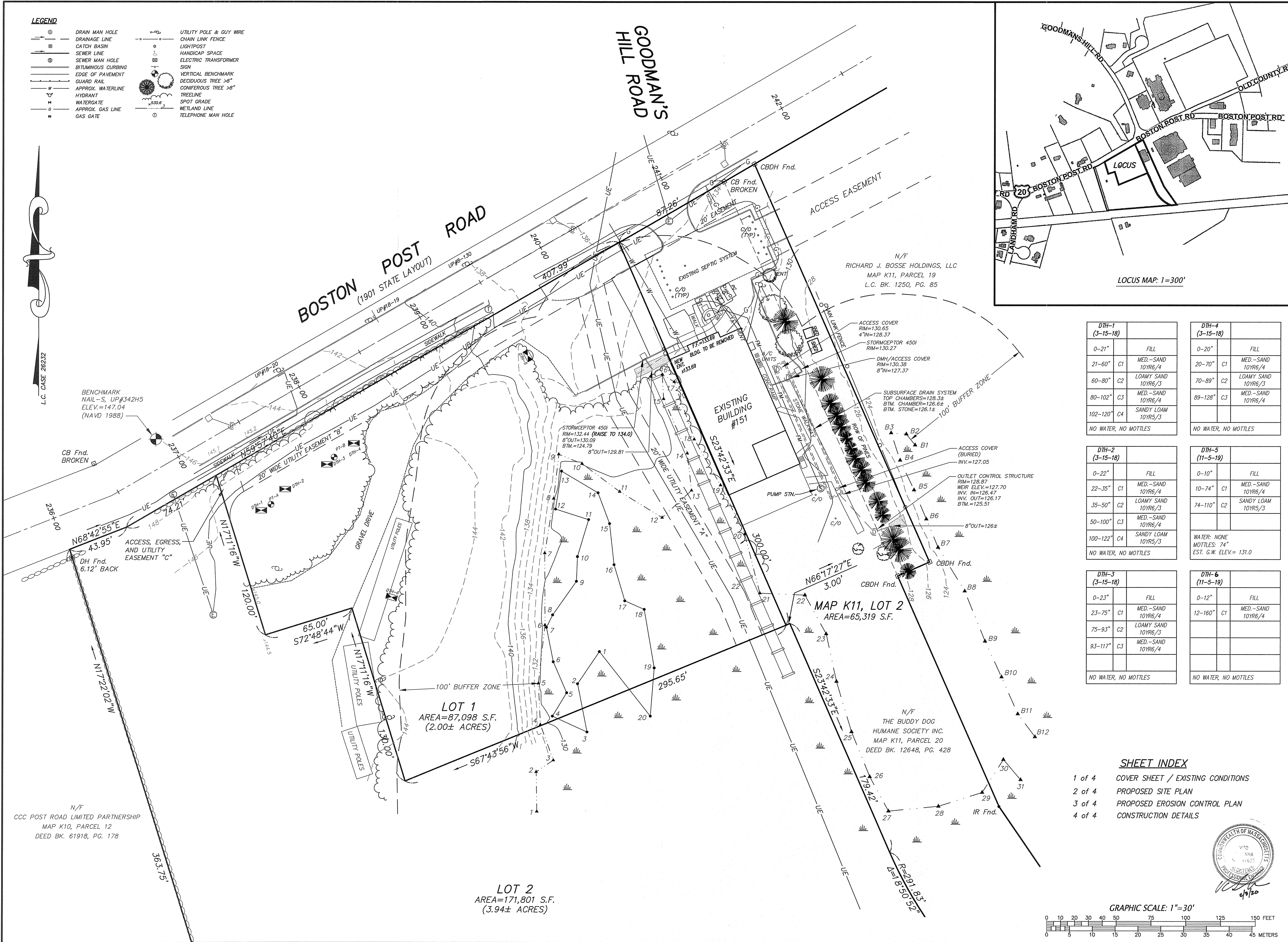
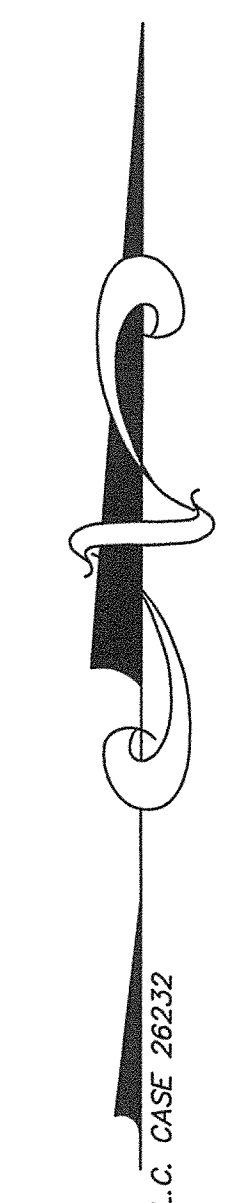
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DATE: JUNE 12, 2019	
<b>MITIGATION PLAN</b>	
SCALE: 1"=30'	SHEET 1 OF 1.



- LEGEND**
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  - DRAINAGE LINE
  - CATCH BASIN
  - SEWER LINE
  - SEWER MAN HOLE
  - BITUMINOUS CURBING
  - EDGE OF PAVEMENT
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TOWN ASSESSOR MAP K10, PARCEL 14  
TOWN ASSESSOR MAP K11, PARCEL 20  
DEED BOOK 7734, PAGE 426  
PLAN NUMBER 1251 OF 1949  
PLAN NUMBER 1212 OF 1998  
PLAN NUMBER 590 OF 1974  
PLAN NUMBER 453 OF 1992  
L.C. PLAN 26232-A, B  
BOSTON POST ROAD 1901 STATE LAYOUT  
BOSTON POST ROAD 1969 ALTERATION

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                    = 50 feet Boston Post Rd.  
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DATE: \_\_\_\_\_

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<b>EXISTING CONDITIONS PLAN</b>	
SCALE: 1"=30'	SHEET 1 OF 5.

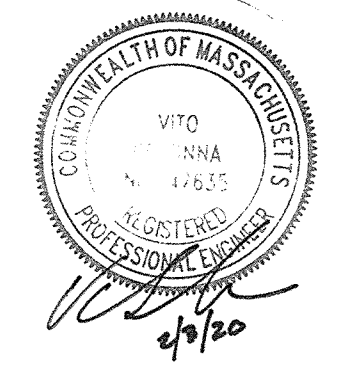
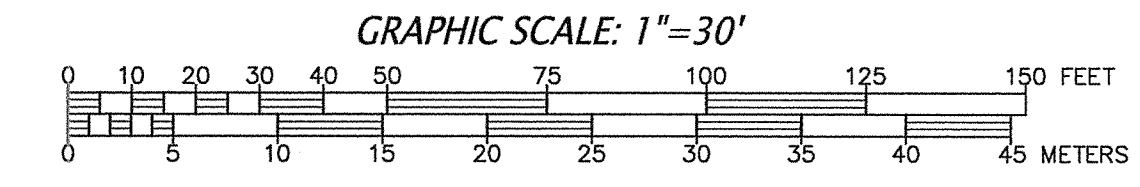
DTH-1 (3-15-18)		DTH-4 (3-15-18)	
0-21"	FILL	0-20"	FILL
21-60" C1	MED.-SAND 10YR6/4	20-70" C1	MED.-SAND 10YR6/4
60-80" C2	LOAMY SAND 10YR6/3	70-89" C2	LOAMY SAND 10YR6/3
80-102" C3	MED.-SAND 10YR6/4	89-128" C3	MED.-SAND 10YR6/4
102-120" C4	SANDY LOAM 10YR5/3		
NO WATER, NO MOTTLES		NO WATER, NO MOTTLES	

DTH-2 (3-15-18)		DTH-5 (11-5-19)	
0-22"	FILL	0-10"	FILL
22-35" C1	MED.-SAND 10YR6/4	10-74" C1	MED.-SAND 10YR6/4
35-50" C2	LOAMY SAND 10YR6/3	74-110" C2	SANDY LOAM 10YR5/3
50-100" C3	MED.-SAND 10YR6/4		
100-122" C4	SANDY LOAM 10YR5/3		
NO WATER, NO MOTTLES		WATER: NONE MOTTLES: 74" EST. G.W. ELEV.= 131.0	

DTH-3 (3-15-18)		DTH-6 (11-5-19)	
0-23"	FILL	0-12"	FILL
23-75" C1	MED.-SAND 10YR6/4	12-160" C1	MED.-SAND 10YR6/4
75-93" C2	LOAMY SAND 10YR6/3		
93-117" C3	MED.-SAND 10YR6/4		
NO WATER, NO MOTTLES		NO WATER, NO MOTTLES	

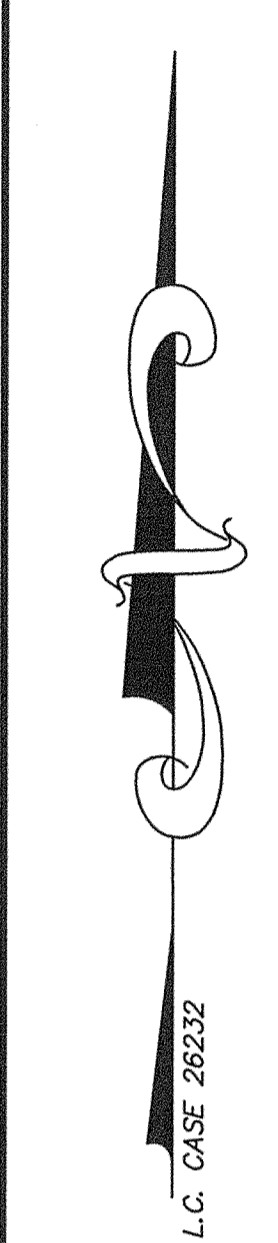
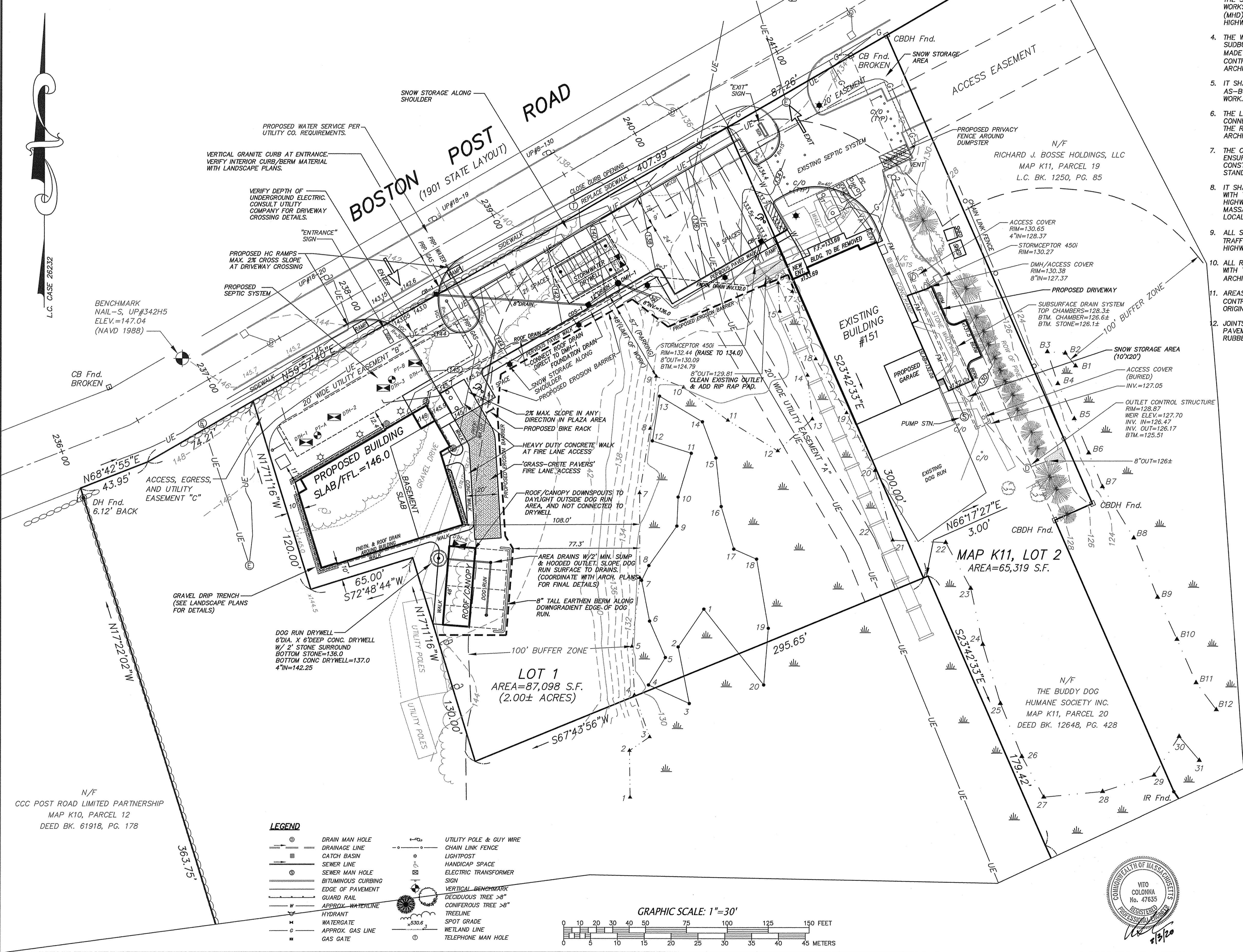
**SHEET INDEX**

- 1 of 4 COVER SHEET / EXISTING CONDITIONS
- 2 of 4 PROPOSED SITE PLAN
- 3 of 4 PROPOSED EROSION CONTROL PLAN
- 4 of 4 CONSTRUCTION DETAILS



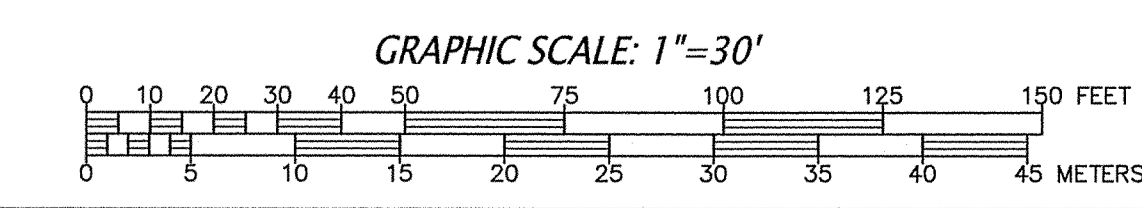
DTH-1 (3-15-18)	DTH-2 (3-15-18)	DTH-3 (3-15-18)	DTH-4 (3-15-18)	DTH-5 (11-5-19)	DTH-6 (11-5-19)
0-21" FILL	0-22" FILL	0-23" FILL	0-20" FILL	0-10" FILL	0-12" FILL
21-60" C1 MED.-SAND 10YR6/4	22-35" C1 MED.-SAND 10YR6/4	23-75" C1 MED.-SAND 10YR6/4	20-70" C1 MED.-SAND 10YR6/4	10-74" C1 MED.-SAND 10YR6/4	12-160" C1 MED.-SAND 10YR6/4
60-80" C2 LOAMY SAND 10YR6/3	35-50" C2 LOAMY SAND 10YR6/3	75-93" C2 LOAMY SAND 10YR6/3	70-89" C2 LOAMY SAND 10YR6/3	74-110" C2 SANDY LOAM 10YR5/3	
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102-120" C4 SANDY LOAM 10YR5/3	100-122" C4 SANDY LOAM 10YR5/3				
NO WATER, NO MOTTLES	NO WATER, NO MOTTLES	NO WATER, NO MOTTLES	NO WATER, NO MOTTLES	WATER: NONE MOTTLES: 74" EST. G.W. ELEV.= 131.0	NO WATER, NO MOTTLES

**GOODMAN'S HILL ROAD**



**LEGEND**

	Drain Man Hole		Utility Pole & Guy Wire
	Drainage Line		Chain Link Fence
	Catch Basin		Light Post
	Sewer Line		Handicap Space
	Sewer Man Hole		Electric Transformer
	Bituminous Curbing		Sign
	Edge of Pavement		Vertical Benchmark
	Guard Rail		Deciduous Tree >8"
	Approx. Waterline		Coniferous Tree >8"
	Hydrant		Treeline
	Watergate		Spot Grade
	Approx. Gas Line		Wetland Line
	Gas Gate		Telephone Man Hole



**CONSTRUCTION NOTES:**

- EXISTING UTILITY LINES SHOWN ON THIS DRAWING ARE FROM AVAILABLE INFORMATION AND ARE APPROXIMATE LOCATIONS. THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY OR THAT ALL UTILITIES AND SUBSURFACE STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL VERIFY SIZE, LOCATION AND INVERT ELEVATIONS OF THE UTILITIES AND STRUCTURES, AS REQUIRED PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH RECORD DATA SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL CONTACT DIG SAFE: 1-800-344-7233 (72 HOURS BEFORE DIGGING), AND TOWN DPW FOR UTILITY LOCATIONS PRIOR TO EXCAVATION. TEST PITS SHALL BE UTILIZED FOR UTILITY CONNECTIONS.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.
- ALL MATERIALS AND CONSTRUCTION PRACTICES SHALL BE IN CONFORMANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE SUBURRY DEPARTMENT OF PUBLIC WORKS, OR THE LATEST EDITION OF THE MASSACHUSETTS HIGHWAY DEPARTMENT (MHD) CONSTRUCTION STANDARDS AND THE MHD "STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES", WHICHEVER IS MORE STRINGENT.
- THE WATER SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH THE TOWN OF SUBURRY DPW WATER DIVISION RULES AND REGULATIONS. CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH APPLICABLE PERMITS (TO BE OBTAINED BY THE CONTRACTOR). CONNECTION LOCATION AND SIZE TO BE CONFIRMED WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, TO KEEP ACCURATE AS-BUILT MEASUREMENTS / RECORDS OF ALL UNDERGROUND OR CONCEALED WORK.
- THE LAYOUT AND INSTALLATION OF ELECTRIC, GAS, TELEPHONE AND CATV UTILITY CONNECTIONS AND SERVICES SHALL IN ACCORDANCE WITH THE REQUIREMENTS OF THE RESPECTIVE UTILITY. CONNECTION LOCATION AND SIZE TO BE CONFIRMED WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL UTILIZE ALL MEASURES AND MATERIALS NECESSARY TO ENSURE THE SAFETY OF ALL PERSONS AND PROPERTIES AT THE SITE DURING CONSTRUCTION. ALL EXCAVATIONS SHALL CONFORM TO CURRENT OSHA STANDARDS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK WITH THE APPROPRIATE HIGHWAY & UTILITY DEPARTMENTS. WORK WITHIN THE HIGHWAY LAYOUT SHALL CONFORM TO THE CONDITIONS OF THE PERMIT ISSUED BY MASSACHUSETTS DEPARTMENT OF TRANSPORTATION HIGHWAY DIVISION OR THE LOCAL AUTHORITY.
- ALL SIGN SIZES AND MATERIAL SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC DEVICES" (MUTCD) AND THE OFFICE OF TRAFFIC OPERATIONS, FEDERAL HIGHWAY ADMINISTRATION, U.S. DEPARTMENT OF TRANSPORTATION.
- ALL RAMP, CURB CUTS, SIDEWALKS, AND ACCESSIBLE SPACES SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT REGULATIONS AND WITH ARCHITECTURAL ACCESS BOARD REGULATIONS (521 CMR 1-47).
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT NO EXPENSE TO THE OWNER.
- JOINTS BETWEEN PROPOSED BITUMINOUS CONCRETE PAVEMENT AND EXISTING PAVEMENT TO REMAIN SHALL BE SAWCUT AND SEALED WITH HOT POURED RUBBERIZED ASPHALT SEALER.

**PARKING TABULATION:**

VETERINARY CLINIC  
SPACES PROVIDED = 29

**OPEN SPACE / BUILDING COVERAGE SUMMARY**

LOT AREA = 152,417± S.F.  
 OPEN SPACE REQUIRED = 30% (45,725 S.F.)  
 OPEN SPACE PROPOSED = 75% (114,012 S.F.)  
 MAXIMUM ALLOWED BUILDING COVERAGE = 60%  
 PROPOSED BUILDING COVERAGE = 8.8%  
 EXISTING IMPERVIOUS AREA = 27,560 S.F.  
 PROPOSED IMPERVIOUS AREA = 38,405 S.F.

**DRAINAGE TABULATION**

CB-1  
RIM=142.50  
8"OUT=139.05

CDS-1  
CDS MODEL 2015-4  
RIM=140.7  
8"IN=137.25  
12"OUT=137.0

DMH-1  
RIM=139.4  
12"IN=136.6 (CDS-1)  
8"IN=136.6 (ROOF DRAIN)  
12"OUT=135.5 (DRYWELL)  
8"OUT=136.5 (OVERFLOW)

CB-2  
RIM=133.25  
8"OUT=130.5

STC (MODIFY EXISTING)  
RIM=134.0  
8"IN=130.34 (PROPOSED)  
8"OUT=130.09 (EXISTING)

STORMWATER DRYWELL  
24 CULTEC 330XLD CHAMBERS  
8 ROWS OF 3  
W/ 42"Wx25"Lx3.5'T STONE BED  
BOTTOM STONE=134.0  
BOTTOM CHAMBERS=134.5  
12" IN=135.25

**PRE-CONSTRUCTION NOTE:**

PERFORM CONFIRMATORY TEST PIT AT PROPOSED DRYWELLS PRIOR TO THE START OF CONSTRUCTION. TESTING SHALL BE WITNESSED BY THE DESIGN ENGINEER AND TOWN OF SUBURRY STAFF.

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**COORDINATION WITH PLANS BY OTHERS:**

- SEE PROJECT LANDSCAPE PLANS FOR SITE LIGHTING, LANDSCAPING, GRAVEL DRIP TRENCH, AND RAIN GARDEN DETAILS.
- VERIFY BUILDING DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- COORDINATE BUILDING CONNECTIONS (INVERT ELEV., LOCATION, AND SIZE) WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.

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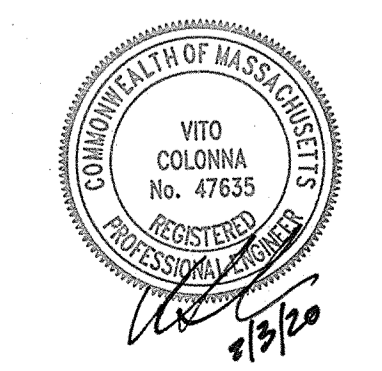
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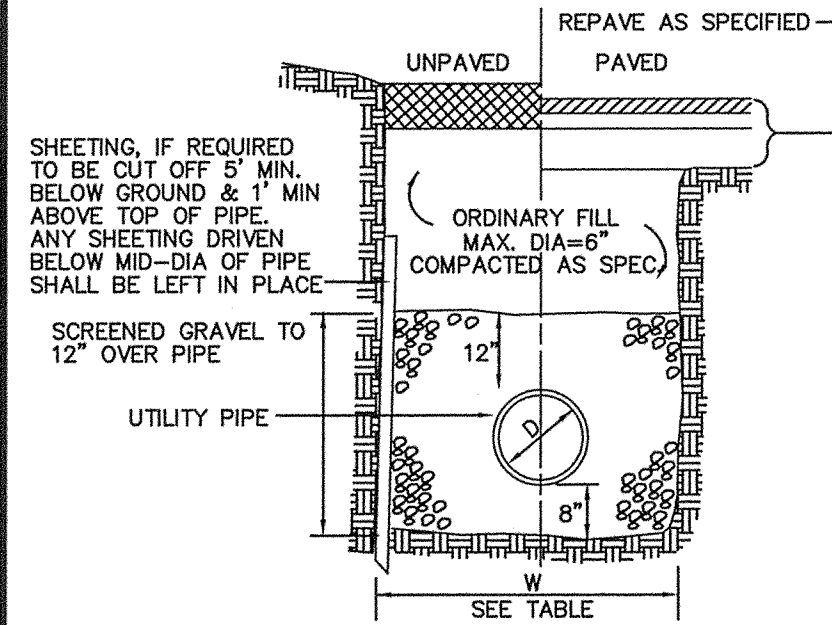
**PROPOSED SITE PLAN**  
 SCALE: 1"=30'      SHEET 2 OF 5.



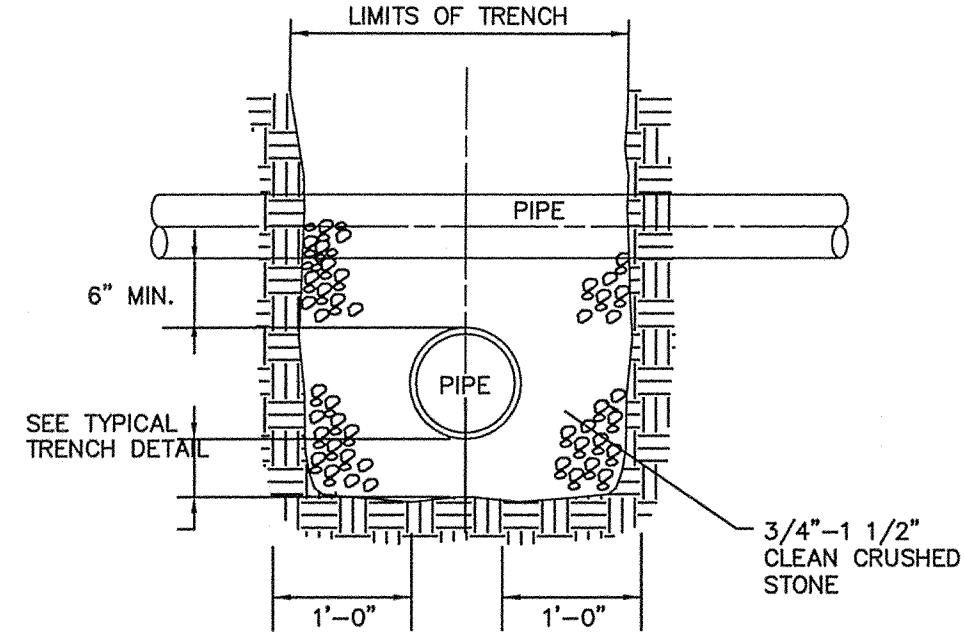


TRENCH WIDTH (W)		
D	W	W
DIAMETER OF PIPE	UNSHEETED	SHEETED
TO 12"	3'	4'
14" TO 24"	4'	5'
30" TO 36"	5'	6'

PROVIDE DETECTABLE WARNING TAPE OVER ALL SEWER LINES, FORCE MAINS, AND SEWER SERVICES.

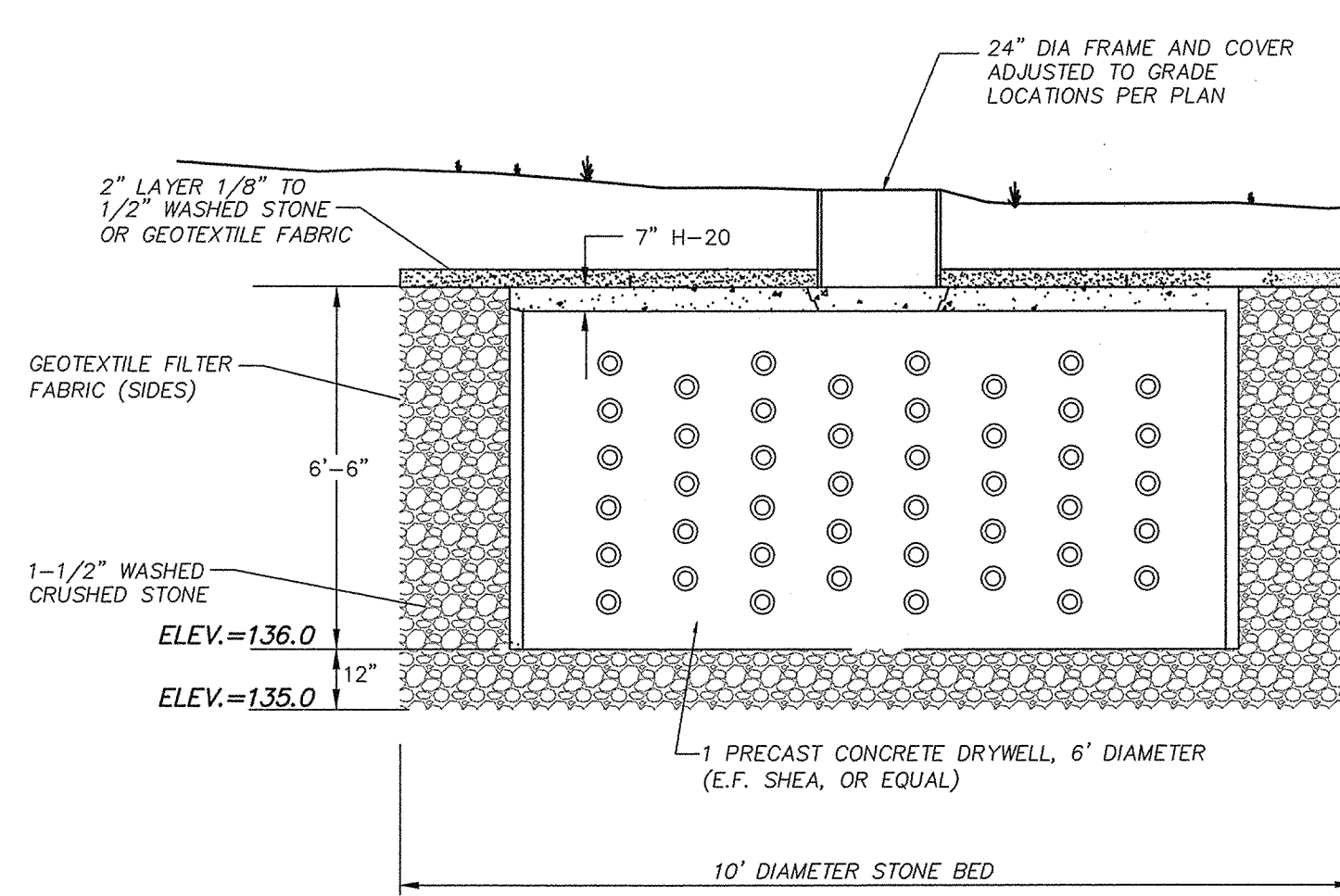


**TYPICAL TRENCH DETAIL**  
NOT TO SCALE

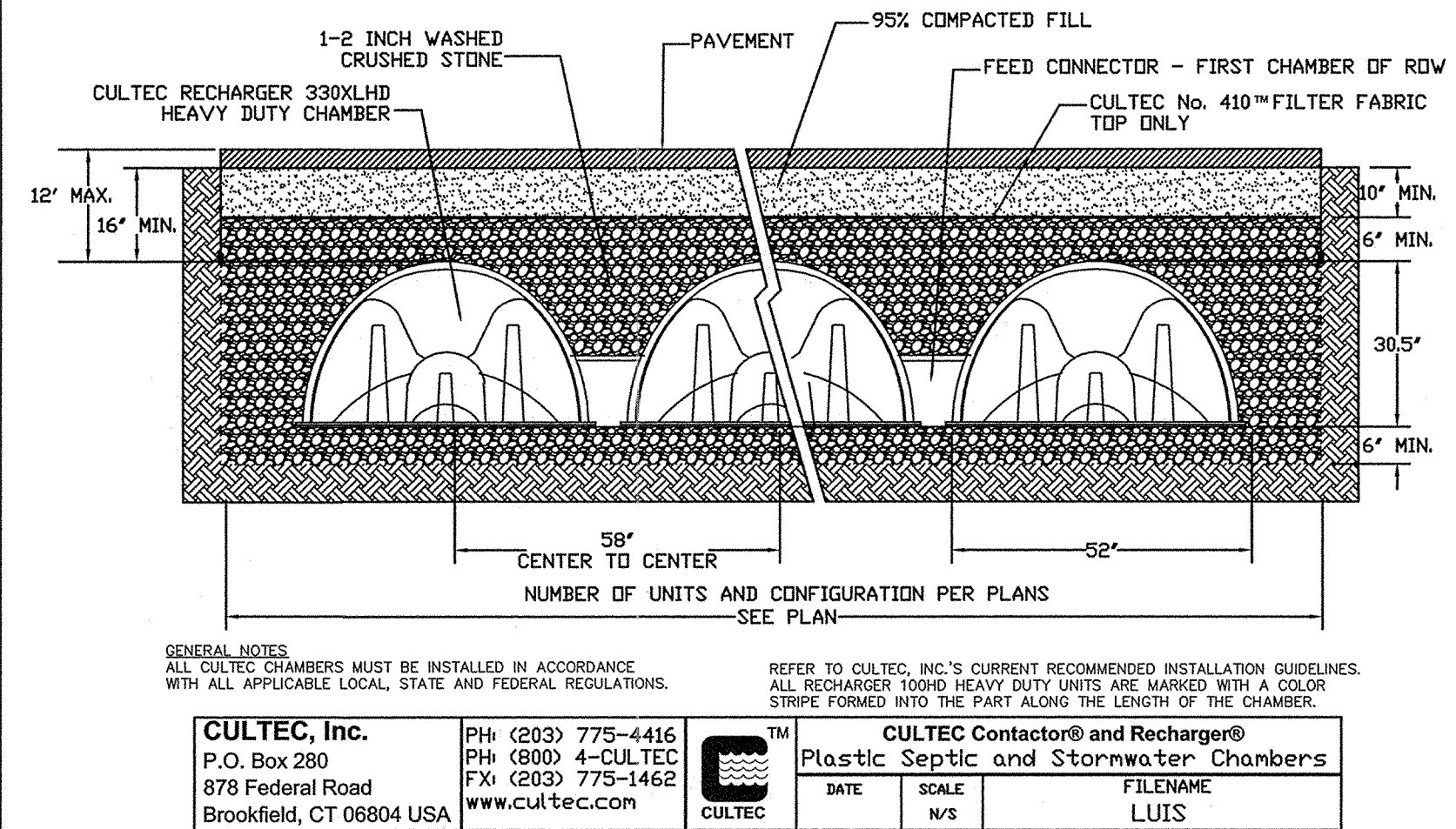


NOTE: FOR WATER AND SEWER CROSSINGS MAINTAIN 18 INCHES OF SEPARATION BETWEEN PIPES. LAY PIPES SUCH THAT CONNECTION JOINTS ARE 10 FEET EITHER SIDE OF THE CROSSING. ALL WATER PIPES LAID OVER SEWER PIPES. SEWER PIPE SHALL BE CLASS 150 PRESSURE PIPE.

**UTILITY CROSSING DETAIL**  
NOT TO SCALE



**DRYWELL DETAIL**  
NOT TO SCALE



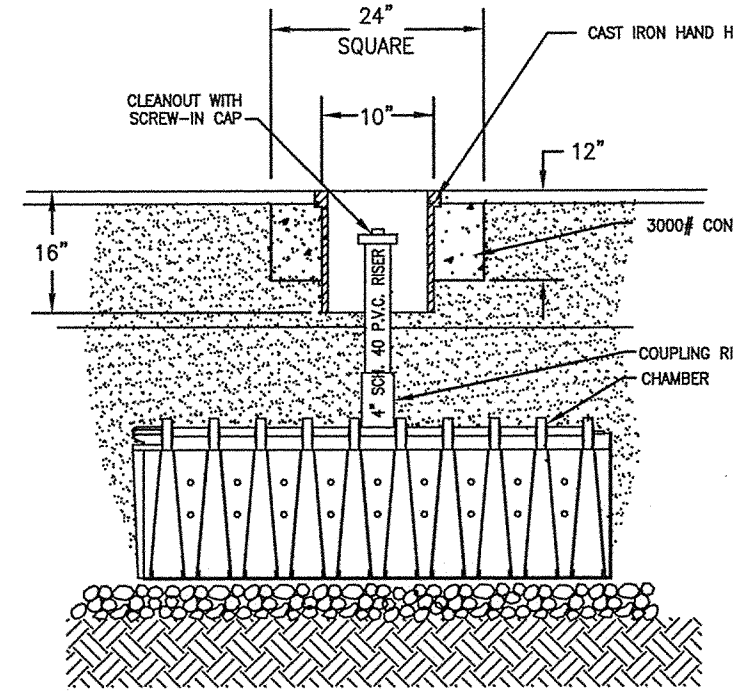
GENERAL NOTES:  
ALL CULTREC CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.  
REFER TO CULTREC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES. ALL RECHARGER 1000HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.

CULTREC, Inc.  
P.O. Box 280  
878 Federal Road  
Brookfield, CT 06804 USA

PH: (203) 775-4416  
FX: (203) 775-1462  
www.cultrec.com

CULTREC Contactor® and Recharger®  
Plastic Septic and Stormwater Chambers

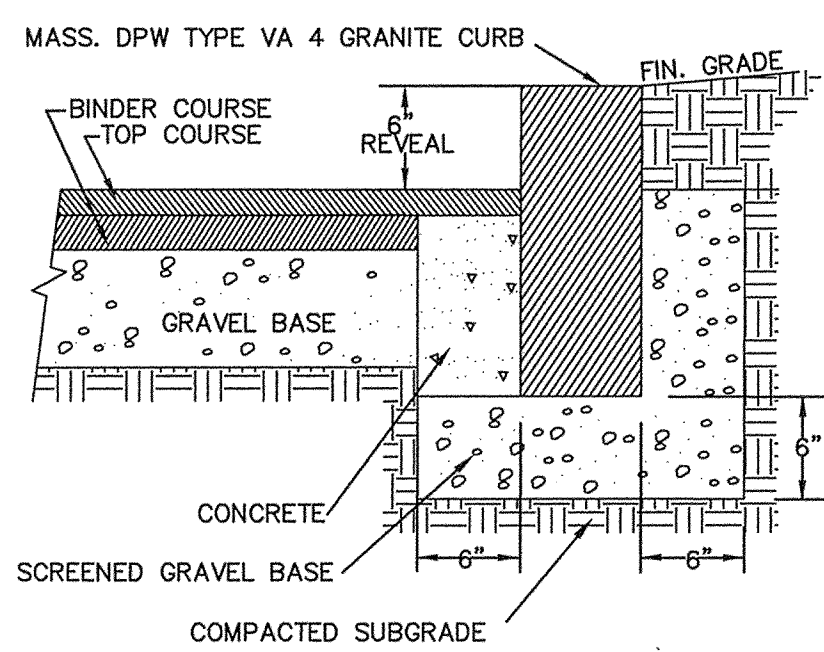
DATE: \_\_\_\_\_ SCALE: \_\_\_\_\_  
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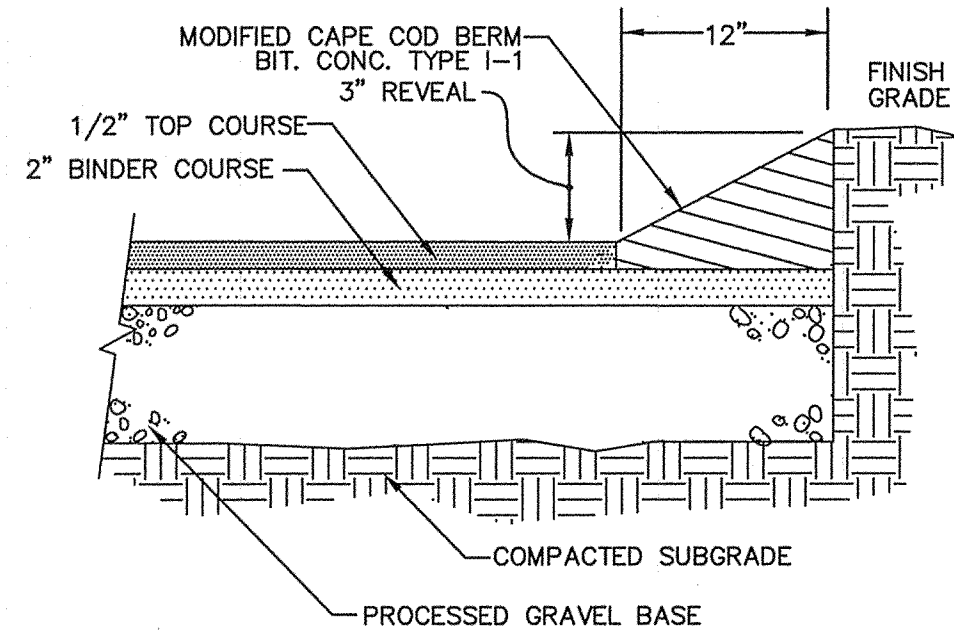
**INSPECTION PORT DETAIL**  
NOT TO SCALE

**CULTREC RECHARGER CHAMBER**  
**PAVED TRAFFIC APPLICATION**  
**TYPICAL CROSS SECTION DETAIL**

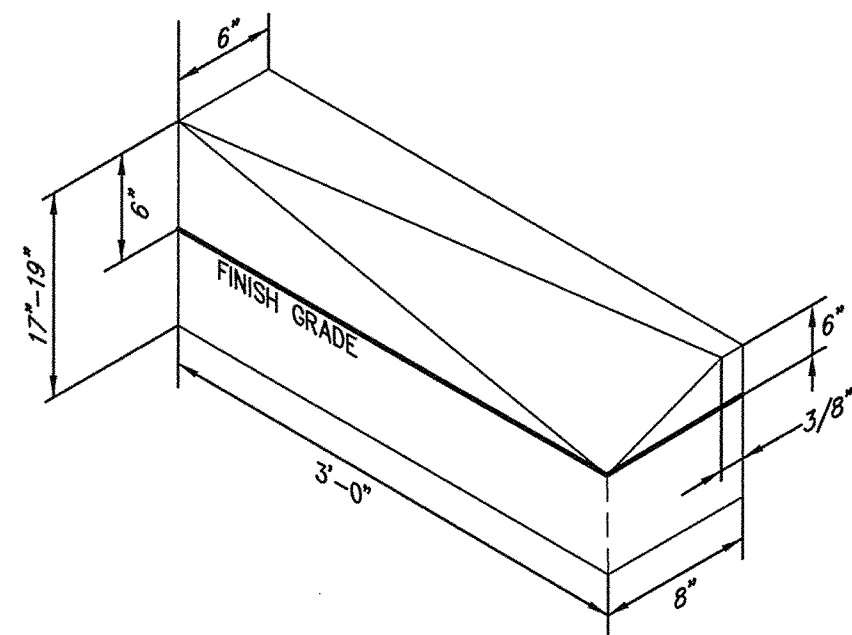
**DRYWELL NOTES\***  
1. PERFORM TEST PIT PRIOR TO CONSTRUCTION TO VERIFY SUITABLE SOIL CONDITIONS  
2. REMOVE ANY TOP/SUBSOIL WITHIN 5 FEET OF THE SYSTEM, AND UNSUITABLE MATERIALS BELOW THE SYSTEM SHALL BE REMOVED. ANY REPLACEMENT FILL REQUIRED SHALL BE CLEAN FREE DRAINING FILL WITH LESS THAN 5% PASSING THE #200 SIEVE (TITLE 5 FILL MEETS THIS REQUIREMENT)



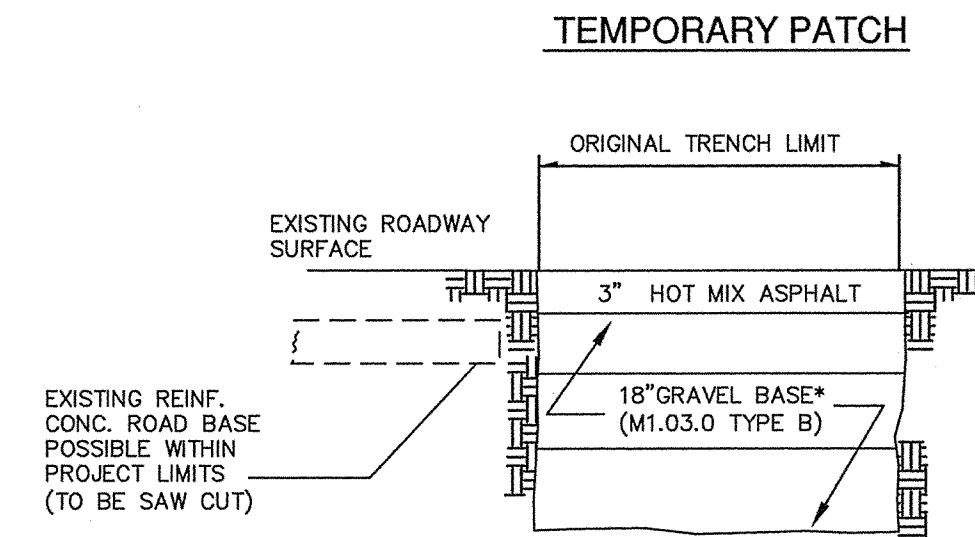
**VERTICAL GRANITE CURB**  
NOT TO SCALE



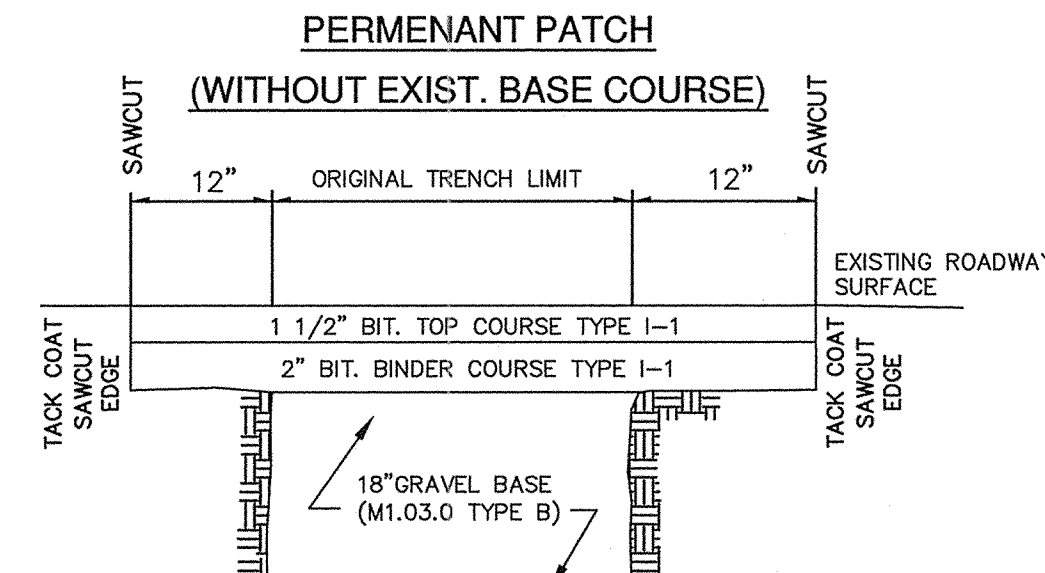
**MODIFIED CAPE COD BERM & TYPICAL PAVEMENT SECTION**  
NOT TO SCALE



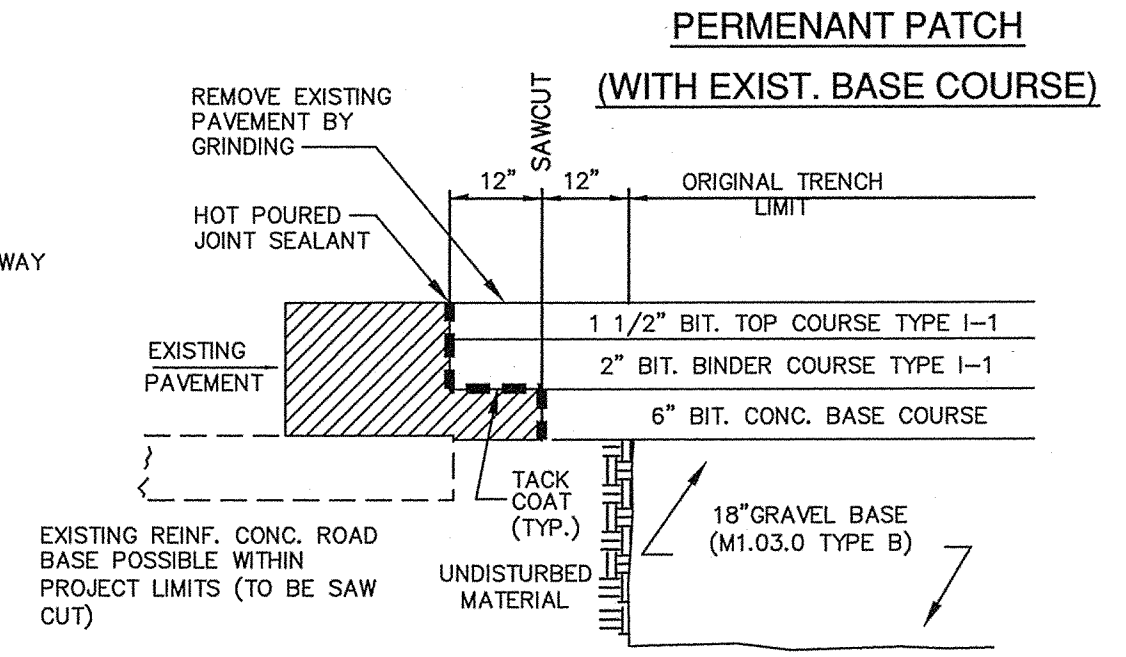
**TRANSITION STONE CURB INLET TO MODIFIED BERM**  
NOT TO SCALE



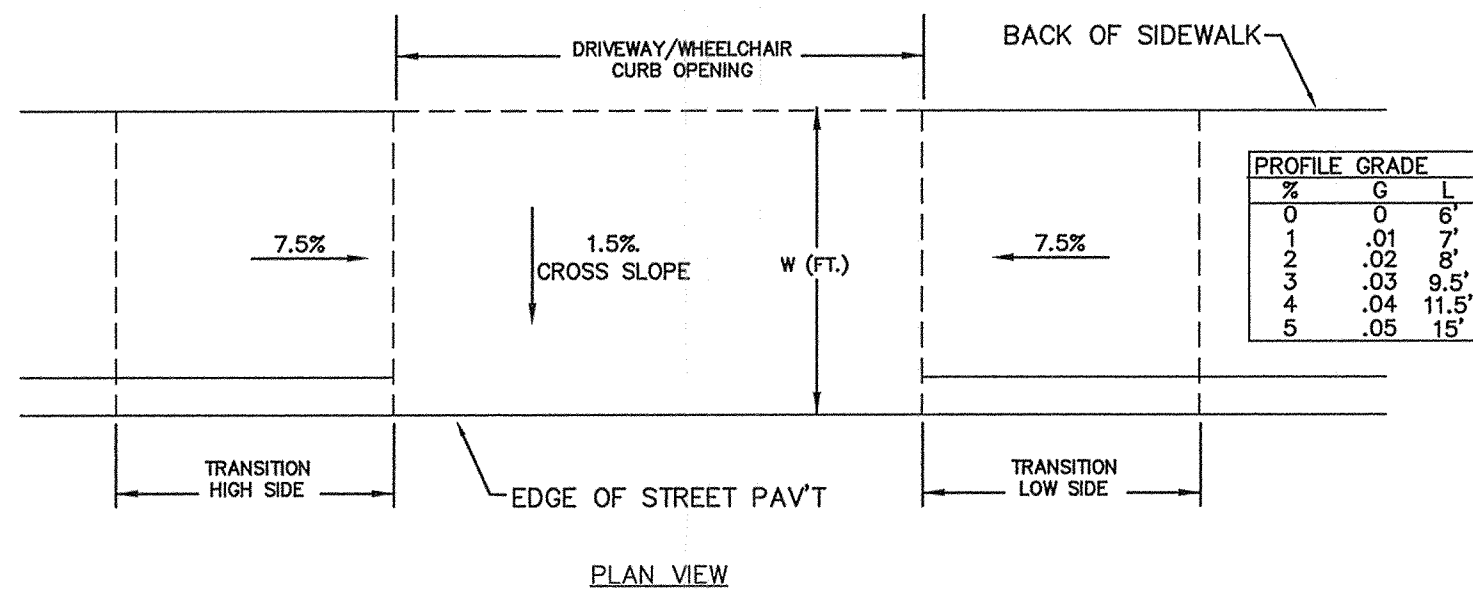
NOTES:  
1. SAW CUT LIMITS SHALL BE SEALED WITH HOT POURED JOINT SEALANT.  
2. GRAVEL COMPACTED IN 6" LIFTS WITH MECHANICAL COMPACTOR.



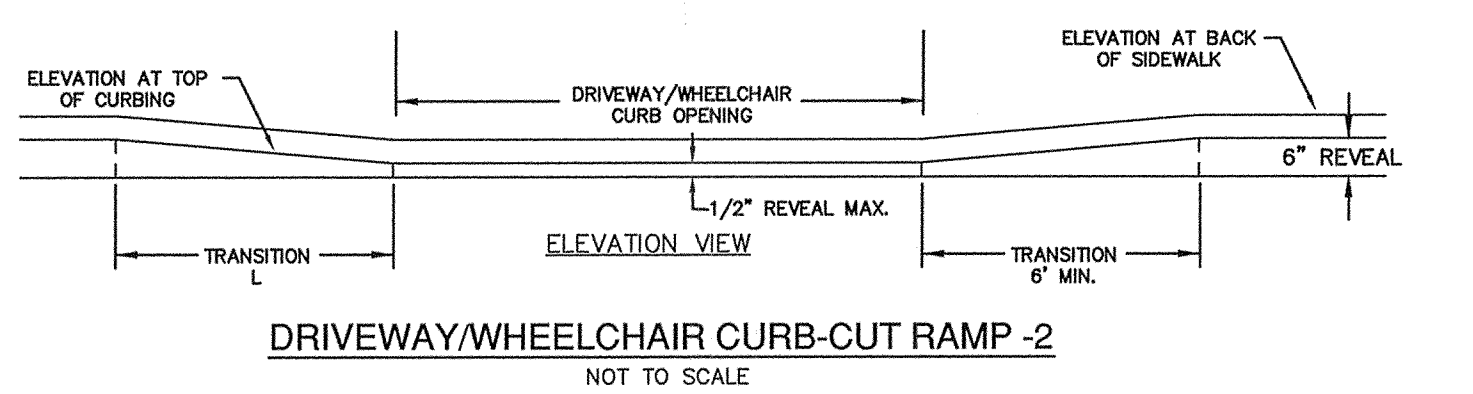
3. ALL BACKFILL TO BE COMPACTED IN ACCORDANCE WITH MDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES SECTION 150.64  
4. PAVEMENT OUTSIDE OF THE INDICATED LIMITS THAT ARE DAMAGED BY THE CONTRACTOR'S OPERATION (INCLUDING BLASTING) SHALL BE REPLACED / REPAIRED AT THE CONTRACTOR'S EXPENSE.



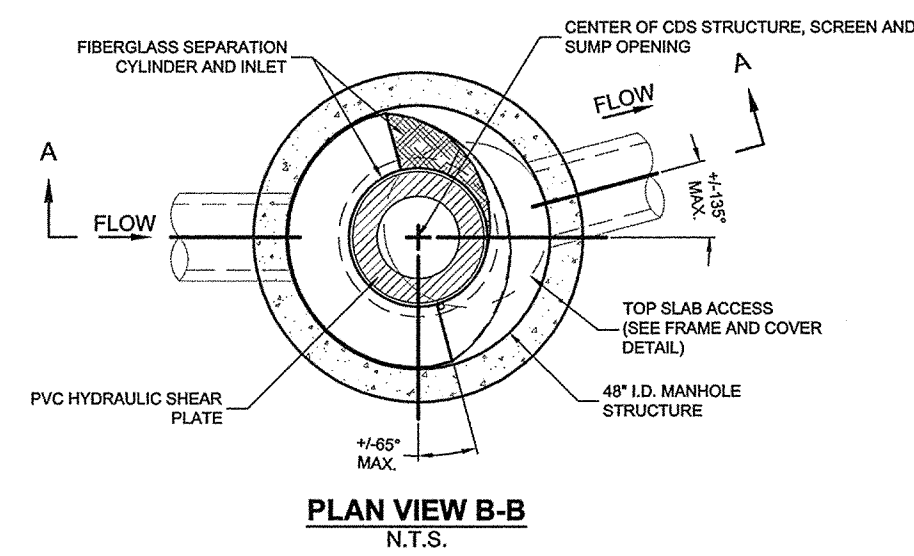
**TYPICAL TEMPORARY / PERMANENT PATCH DETAIL**  
NOT TO SCALE



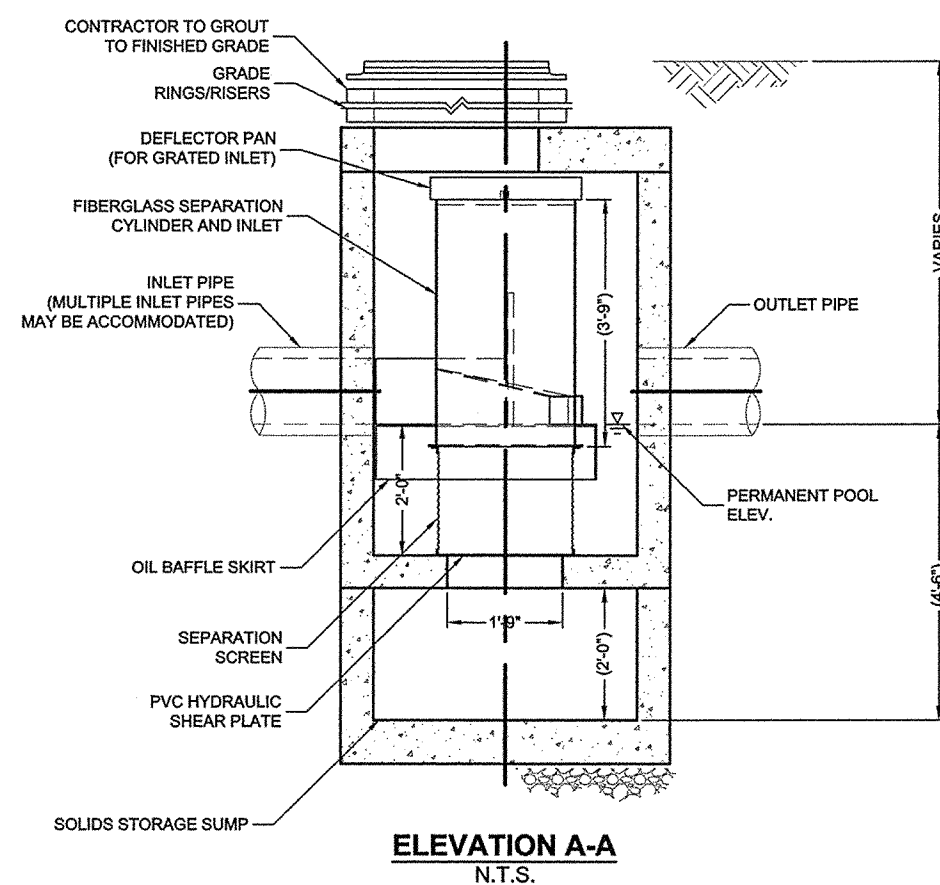
PROFILE GRADE	%	G	L
0	0	6"	
1	.01	7"	
2	.02	8"	
3	.03	9.5"	
4	.04	11.5"	
5	.05	15"	



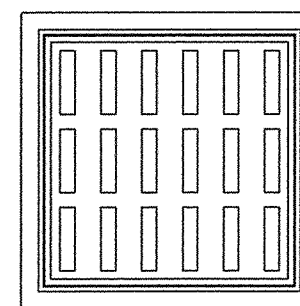
**DRIVEWAY/WHEELCHAIR CURB-CUT RAMP -2**  
NOT TO SCALE



**PLAN VIEW B-B**  
N.T.S.



**ELEVATION A-A**  
N.T.S.



**FRAME AND GRATE**  
(24" SQUARE)  
N.T.S.

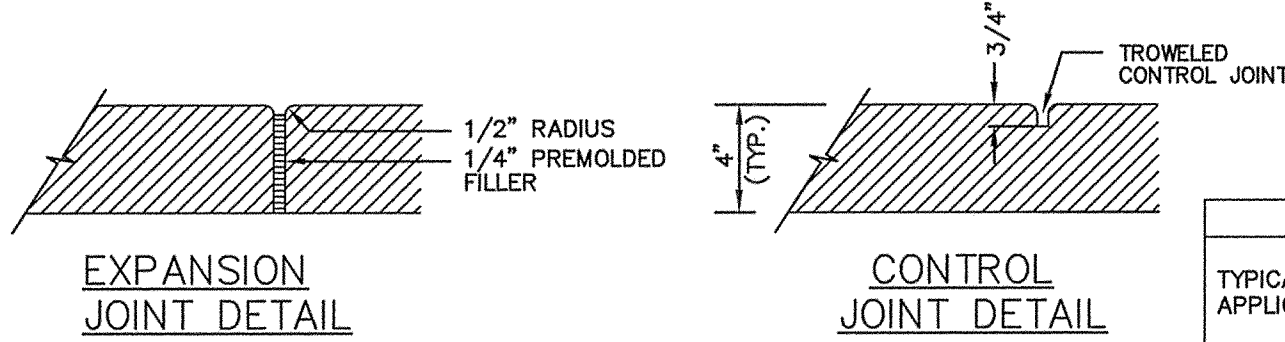
GENERAL NOTES:  
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.  
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.  
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH CONSTRUCTION PRODUCTS REPRESENTATIVE. www.contech-cpi.com  
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.  
5. STRUCTURE SHALL MEET AASHTO H20 AND CASTINGS SHALL MEET AASHTO M306 LOAD RATING. ASSUMING GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.  
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES:  
1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.  
2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).  
3. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.  
4. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.  
5. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

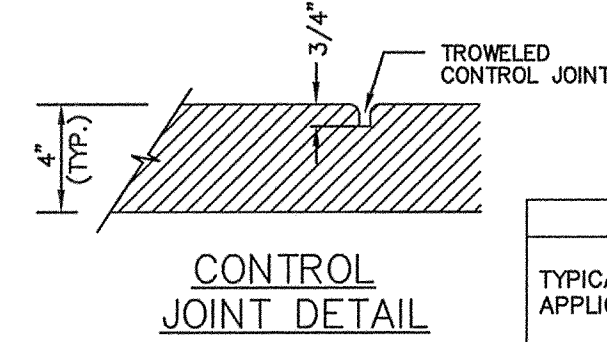
**CONTECH**  
CONSTRUCTION PRODUCTS  
INC.  
8225 Center Pointe Dr., Suite 400, West Chester, OH 45389  
600-338-1122 513-645-7000 513-645-7993 FAX

**GDS**  
Geotechnical Design Services  
INC.  
1000 North Main Street, Suite 100, West Chester, OH 45389  
600-338-1122 513-645-7000 513-645-7993 FAX

**'CDS' TREATMENT STRUCTURE DETAIL**  
NOT TO SCALE



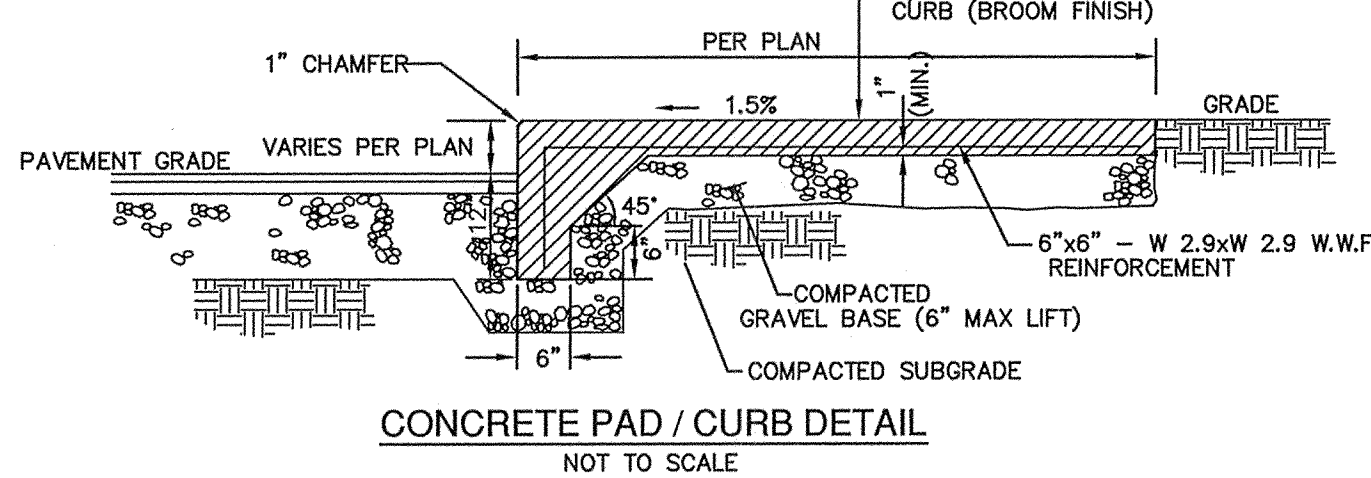
**EXPANSION JOINT DETAIL**



**CONTROL JOINT DETAIL**

THICKNESS CHART	SLAB GRAVEL BASE	
	4"	6"
TYPICAL APPLICATION	6"	12"
HEAVY DUTY AT FIRE LANE	6"	12"

NOTES:  
1. EXPANSION JOINTS AT 20'-0" OR EVERY 400 SQ. FT. OF PAD - PERPENDICULAR TO LENGTH OF PAD  
2. CONSTRUCTION CONTROL JOINTS AT 5'-0" PERPENDICULAR TO LENGTH OF PAD.



**CONCRETE PAD / CURB DETAIL**  
NOT TO SCALE



PREPARED FOR:  
**THE BUDDY DOG HUMANE SOCIETY INC.**  
151 BOSTON POST ROAD  
SUDBURY, MA 01776

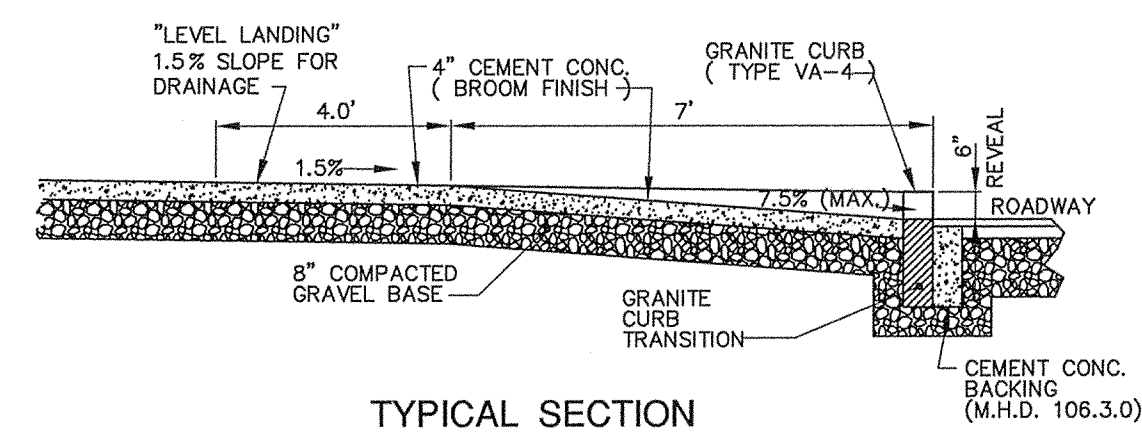
**SULLIVAN, CONNORS AND ASSOCIATES**  
LAND SURVEYING AND CIVIL ENGINEERING  
121 BOSTON POST ROAD  
SUDBURY, MASSACHUSETTS 01776  
PHONE: 978-443-9566 FAX: 978-443-8915

**CONSTRUCTION DETAILS OF**  
**183 BOSTON POST ROAD**  
**IN**  
**SUDBURY, MA**

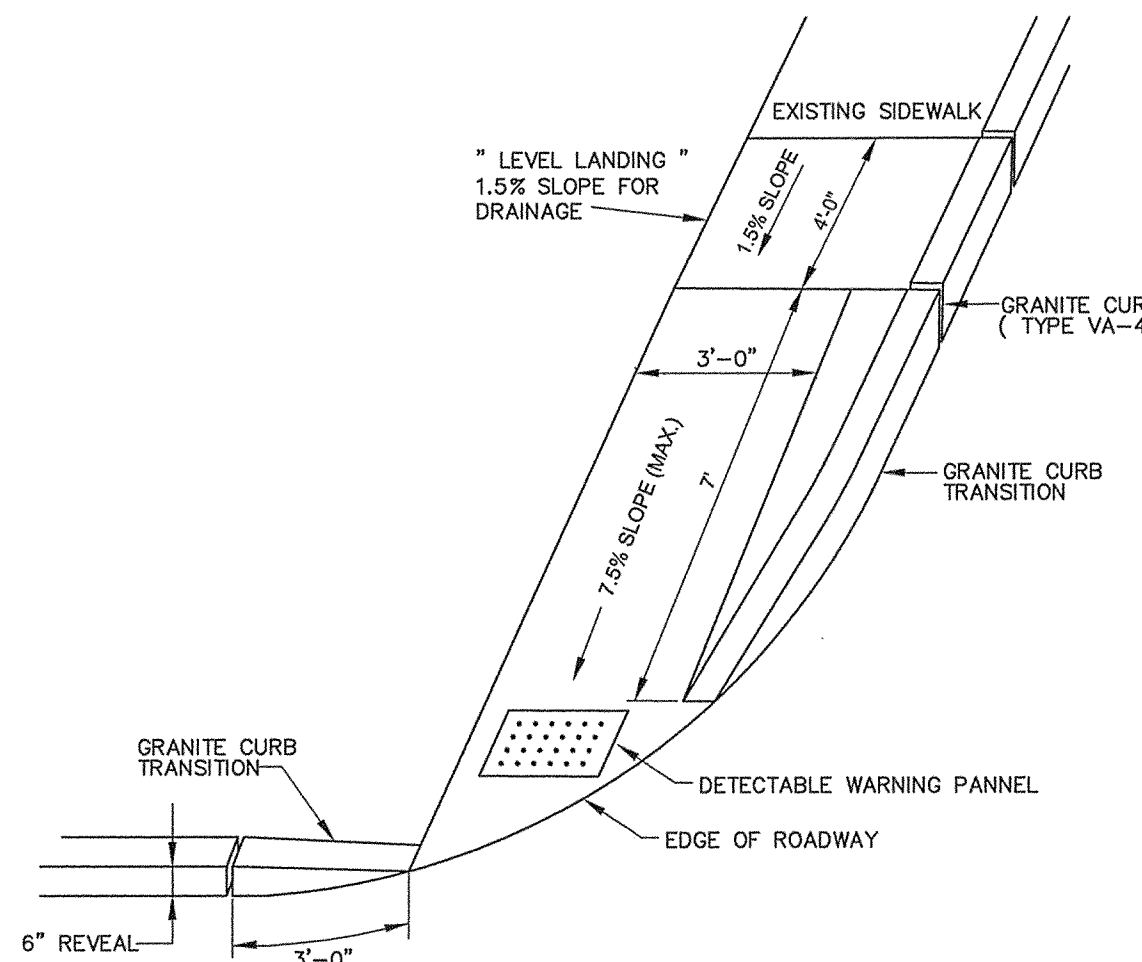
APPROVED BY:  
**SUDBURY PLANNING BOARD**

DATE: \_\_\_\_\_

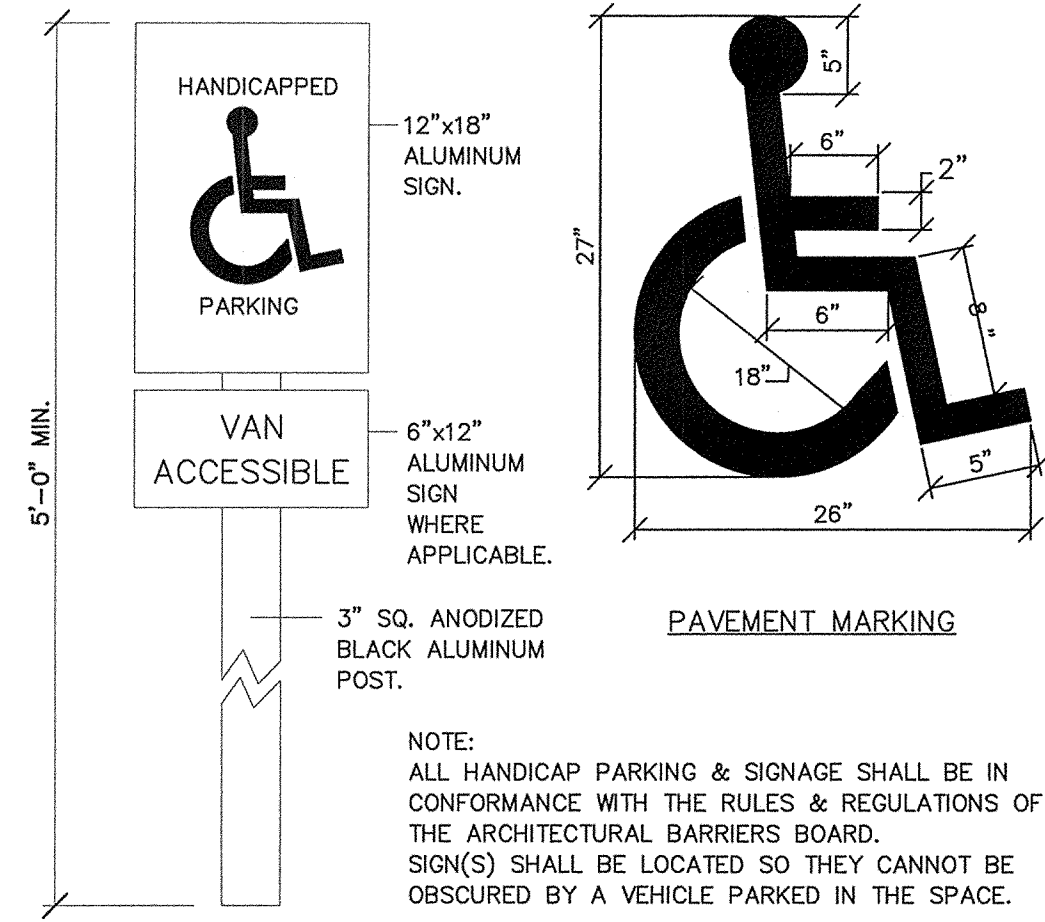
2/3/2020	REVISED SITE LAYOUT
11/5/2019	PEER REVIEW COMMENTS
10/4/2019	FINALIZE REVISED LAYOUT
9/30/2019	FINALIZE REVISED LAYOUT
8/5/2019	COORDINATION W/ ARCH DRAWINGS
REVISED:	DESCRIPTION:
DRAWN BY: REM	CHECK BY: VC
DATE: JUNE 12, 2019	
SCALE: NONE	SHEET 4 OF 5.



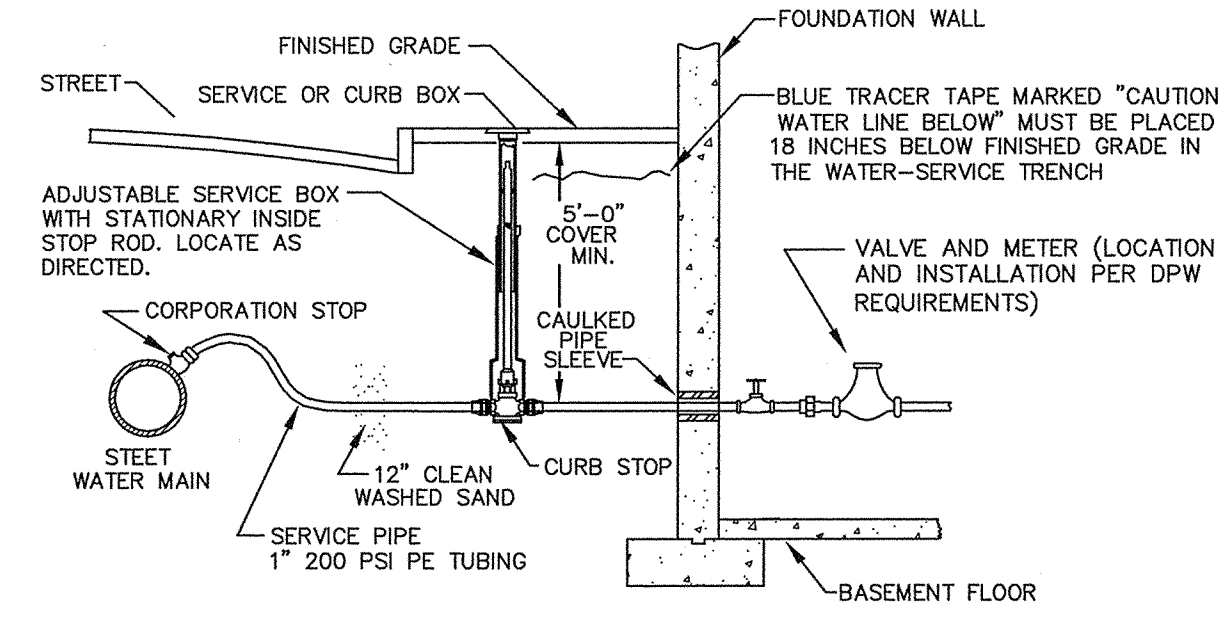
TYPICAL SECTION



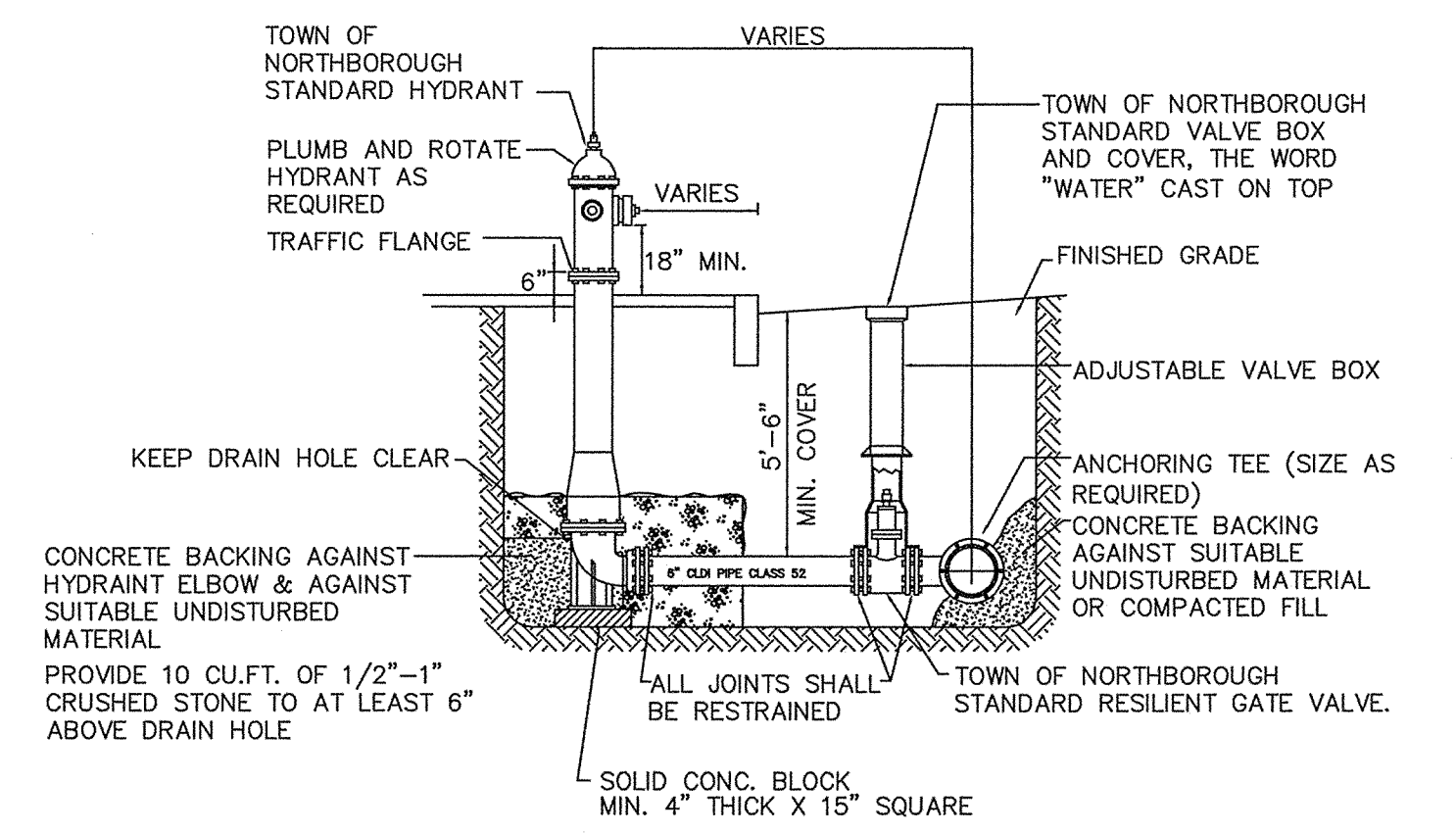
CONCRETE WHEELCHAIR CURB-CUT RAMP -1  
NOT TO SCALE



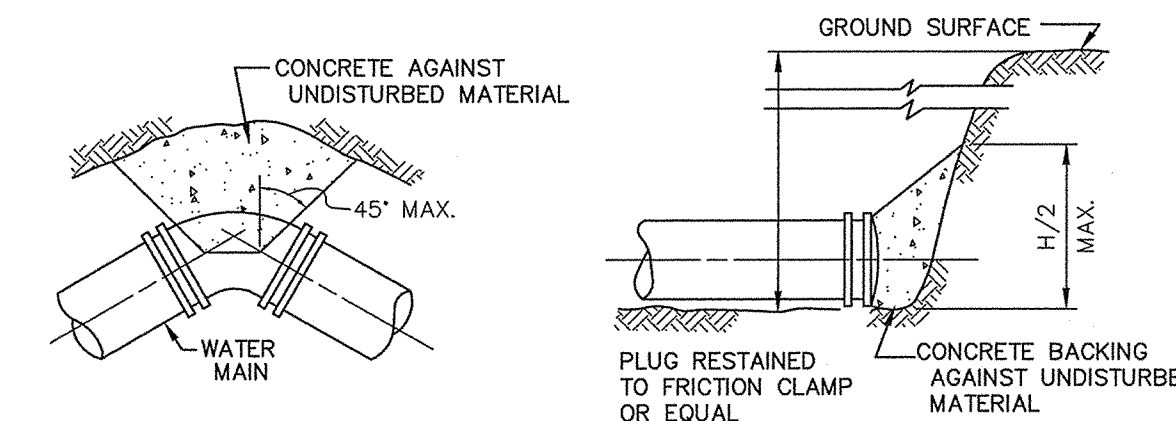
HANDICAP SIGN & PAVEMENT MARKING DETAIL  
NOT TO SCALE



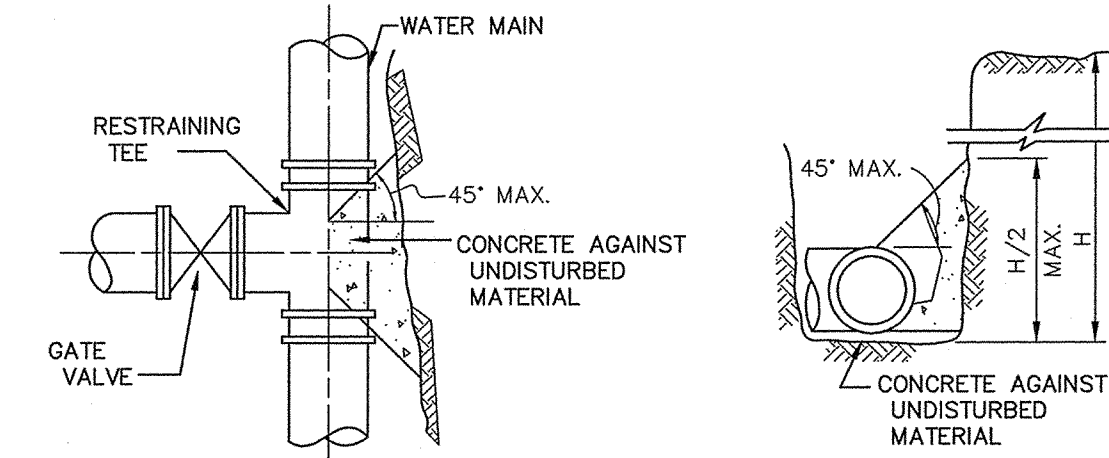
TYPICAL WATER SERVICE CONNECTION  
NOT TO SCALE



TYPICAL HYDRANT & VALVE DETAIL  
NOT TO SCALE



TYPICAL BEND TYPICAL PLUG

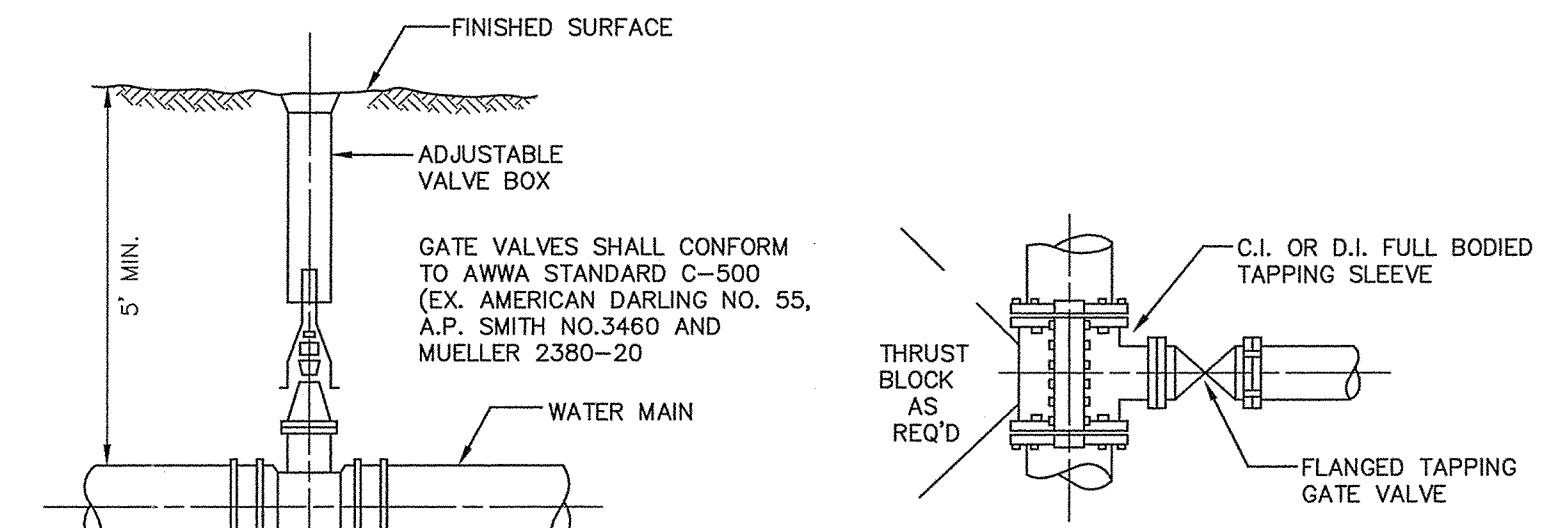


TYPICAL TEE & VALVE TYPICAL SECTION

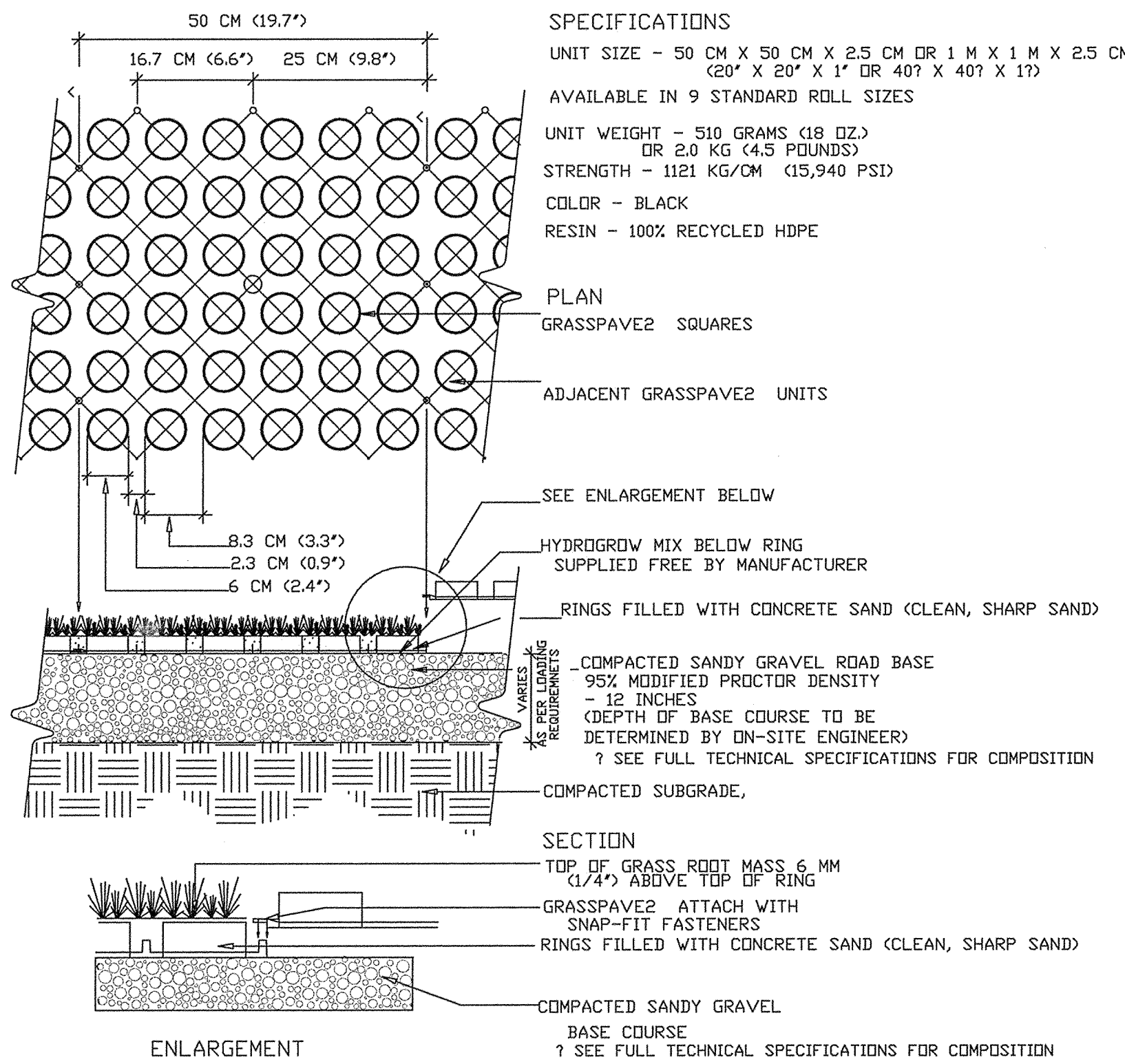
NOTE: CONCRETE FOR THRUST BLOCKS SHALL BE NO LONGER THAN THE RATIO OF 2 1/2 : 5 1/2 AND SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 2000 PSI (SO THAT FLANGES AND BOLTS ARE ACCESSIBLE)

BEARING AREAS OF THRUST BLOCKS (BEARING AREA IN SQUARE FT.)				
PIPE SIZE INCHES	1/4 BEND	1/8 BEND	1/16 BEND OR LESS	PLUG TEES
6 AND 8	8	8	8	8
10 AND 12	22	13	8	16

TYPICAL THRUST BLOCK DETAIL  
NOT TO SCALE



TYPICAL GATE VALVE TAPPING SLEEVE AND VALVE DETAILS  
NOT TO SCALE



TYPICAL GRASSPAVE2 DETAIL

NOT TO SCALE CHOOSE THIS PRODUCT FOR REINFORCING GRASS WEARING SURFACES  
Invisible Structures, Inc. GPRET18.DWG

16265 E. 33RD DR., SUITE 20  
AURORA, COLORADO 80011  
800-233-1510 OR 303-233-8383  
FAX 800-233-1522 OR  
303-233-8988  
www.invisiblestructures.com  
rev. 1/18

APPROVED BY:  
SUDBURY PLANNING BOARD

DATE: \_\_\_\_\_

PREPARED FOR:  
THE BUDDY DOG HUMANE SOCIETY INC.  
151 BOSTON POST ROAD  
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CONSTRUCTION DETAILS  
OF  
183 BOSTON POST ROAD  
IN  
SUDBURY, MA

DATE	DESCRIPTION
2/3/2020	REVISED SITE LAYOUT
11/5/2019	PEER REVIEW COMMENTS
10/4/2019	FINALIZE REVISED LAYOUT
9/30/2019	FINALIZE REVISED LAYOUT
8/5/2019	COORDINATION W/ ARCH DRAWINGS
DRAWN BY: REM	CHECK BY: VC
DATE: JUNE 12, 2019	
SCALE: NONE	SHEET 5 OF 5.