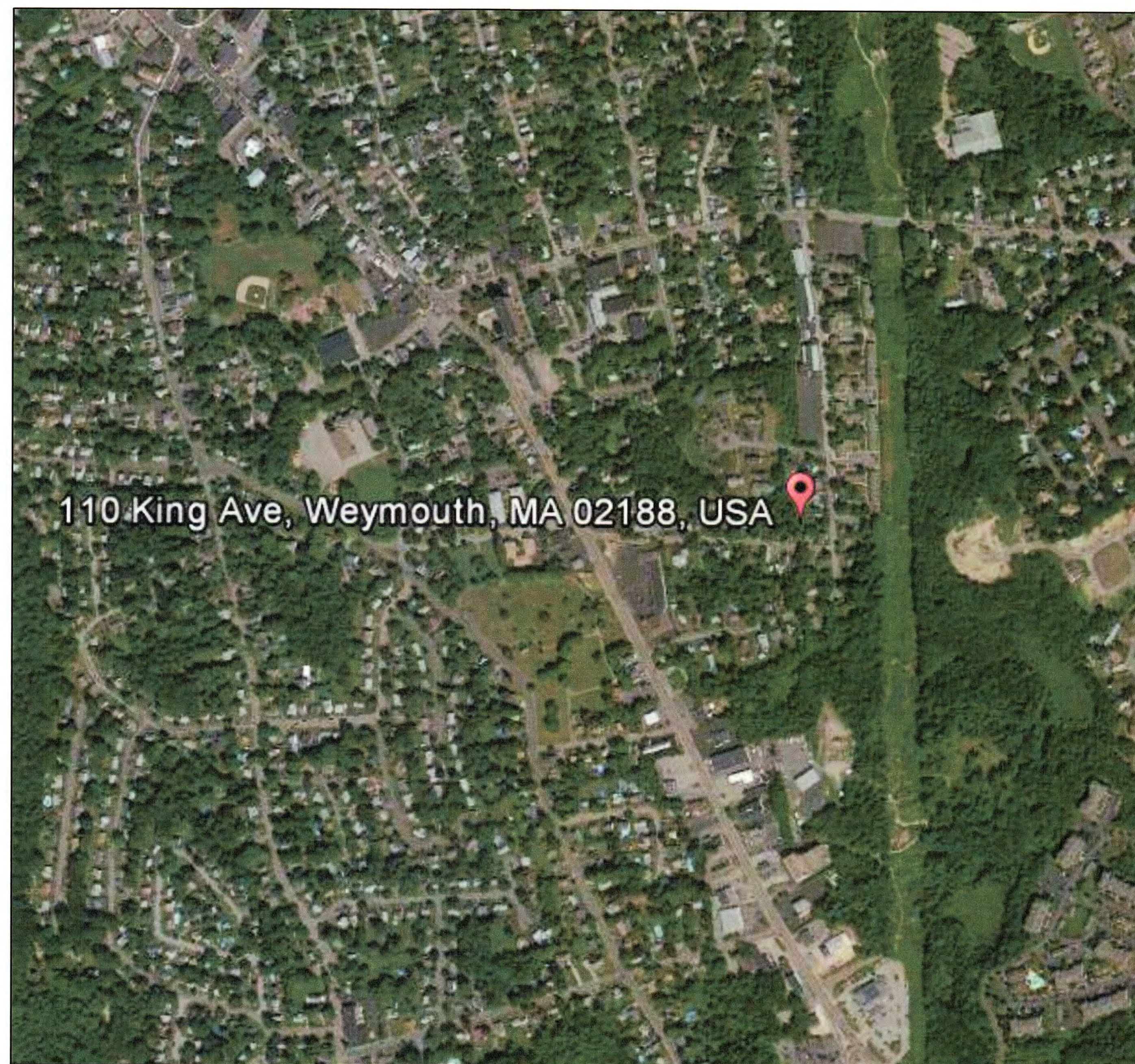
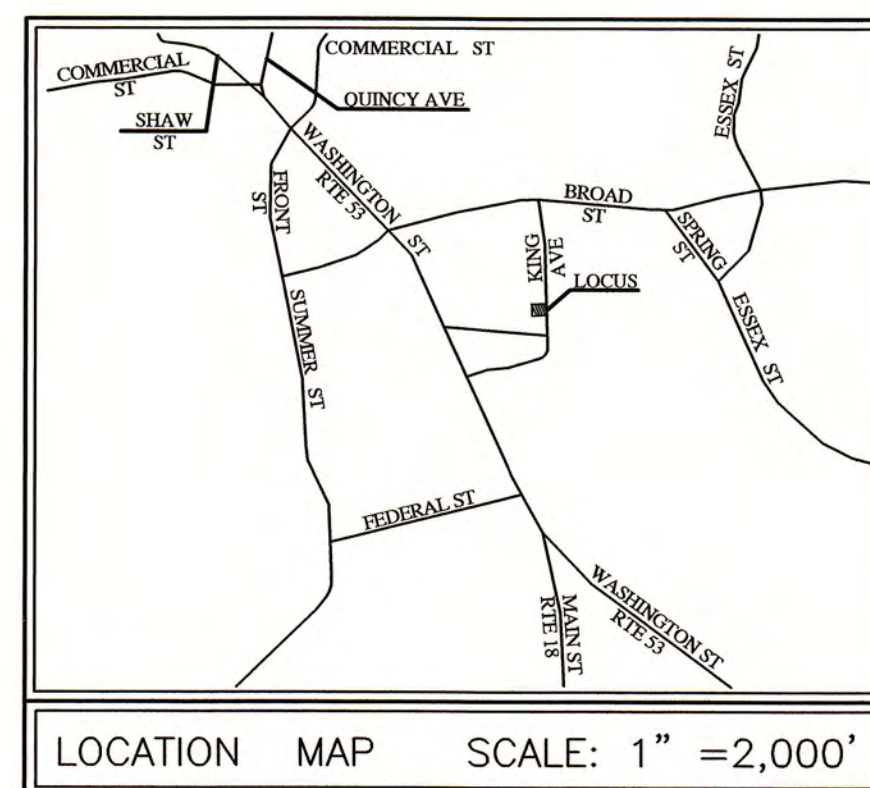
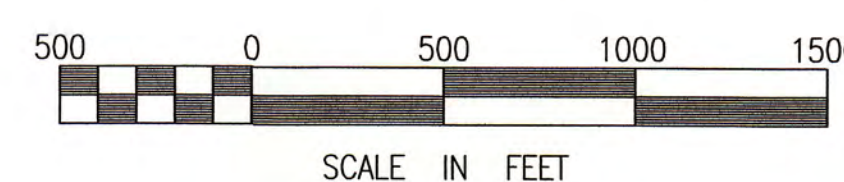


110 KING AVENUE
WEYMOUTH, MA
ASSESSORS BLOCK 282 LOT 37



— VICINITY MAP —

SCALE: 1"=500'



— I N D E X —

<u>SHEET</u>	<u>DESCRIPTION</u>
C1.1	COVER SHEET
C2.1	EXISTING CONDITIONS
C3.1	LAYOUT & ZONING
C4.1	CONSTRUCTION
C5.1	LIGHTING PLAN
L1.1	LANDSCAPING
C6.1	DETAILS
C6.2	DETAILS
C6.3	DETAILS
C6.4	DETAILS
A1—A4	ARCHITECTURAL PLANS

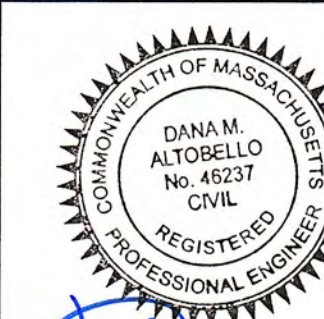
CIVIL ENGINEER: MERRILL CORPORATION

ARCHITECT: WALLY McKINNON

LANDSCAPE ARCHITECT: CARIN GOSSELIN

REVISIONS

1.	12/22/14	UNIT COUNT/PARKING



Dale 12/22/14

DRAWN BY: MC/KH

DESIGNED BY: MC/DA

CHECKED BY: TAP



Merrill

IVC Engineers and Land Surveyors
427 Columbia Road, Hanover, MA 02339
Telephone: 781-826-9200 Fax: 781-826-6665

SITE PLAN

S I L E P L A N
#110 KING AVENUE
ASSESSORS MAP 20 BLOCK 282 LOT 37
WEYMOUTH, MASSACHUSETTS

WEYMOUTH, MA
PREPARED FOR: WILLIAM HERLIHY
110 KING AVENUE
WEYMOUTH, MA 02188

AUGUST 18, 2014

SCALE: AS NOTED

JOB No. 14-073

LATEST REVISION:
DECEMBER 22, 2014

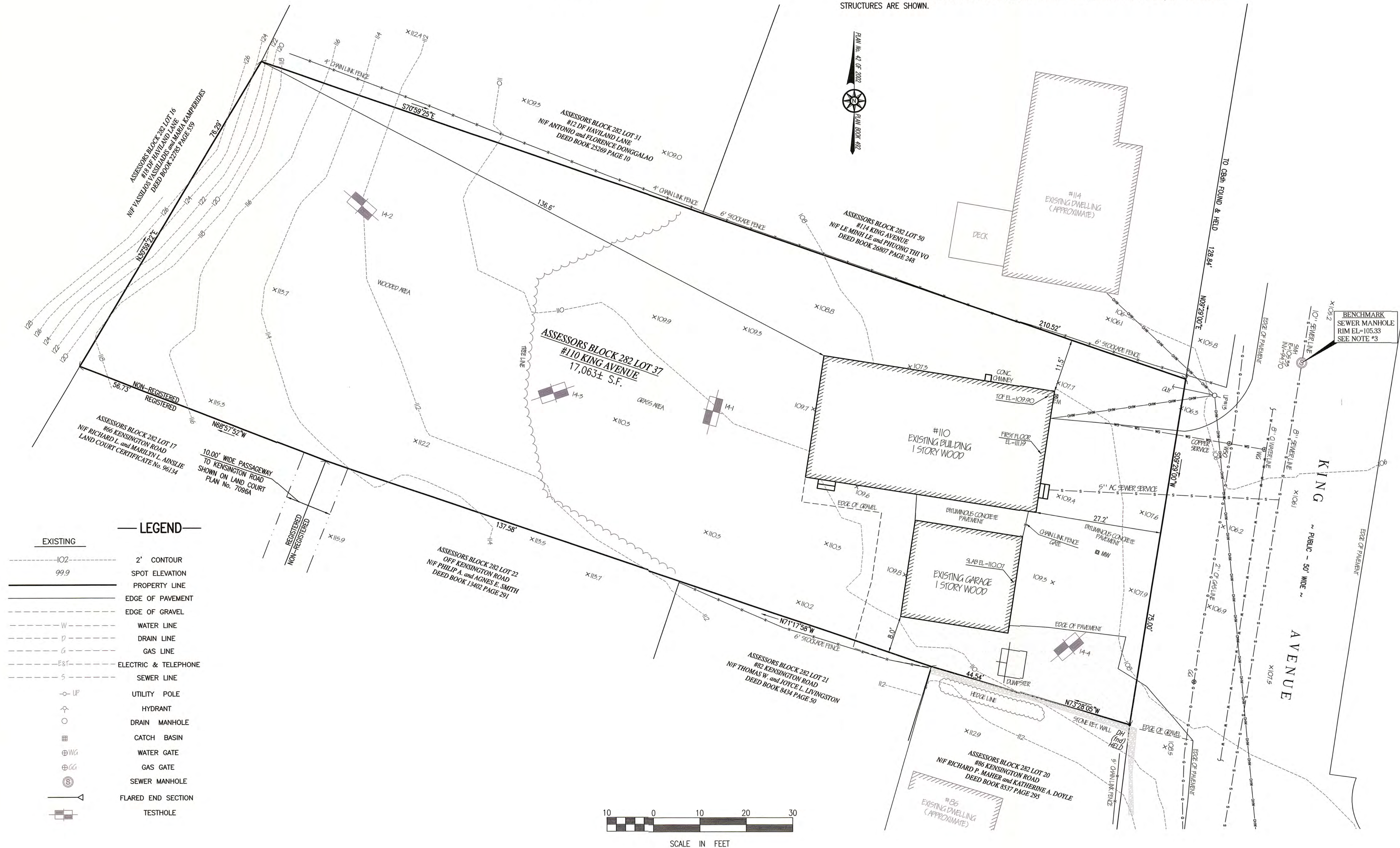
PERMIT SET
NOT FOR
CONSTRUCTION

SHEET C1.1

110 KING AVENUE REALTY TRUST
110 KING AVENUE
WEYMOUTH, MA 02188
DEED BOOK 8657 PAGE 295

FLOOD NOTE:
BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS LOCATED IN
ZONE "X" OF THE FLOOD INSURANCE RATE MAP, AS SHOWN ON
COMMUNITY PANEL NO. 250257 0229E, WHICH BEARS AN
EFFECTIVE DATE OF JULY 17, 2012, AND IS NOT IN A SPECIAL
FLOOD HAZARD AREA.

- 1.) PROPERTY LINE, STREET LINE AND OWNER INFORMATION WAS COMPILED FROM RECORDS ON FILE AT THE NORFOLK COUNTY REGISTRY OF DEEDS AND THE TOWN OF WEYMOUTH ASSESSORS DEPARTMENT.
- 2.) TOPOGRAPHY INFORMATION SHOWN ON THIS PLAN IS BASED UPON AN ON THE GROUND SURVEY PERFORMED BY MERRILL CORPORATION ON MAY 28, 2014.
- 3.) ALL ELEVATIONS ARE BASED ON SEWER INVERT TAKEN FROM MANHOLE SHOWN AT STATION 36+42.13 ON PLAN ENTITLED "SEWER RECORD PLAN, KING AVENUE, PLAN No.69RS17" DATED NOVEMBER OF 1977, PREPARED BY THE WEYMOUTH DEPARTMENT OF PUBLIC WORKS.
- 4.) SUBJECT SITE IS IN THE "RESIDENCE DISTRICT 1" ZONE AS DEPICTED ON THE TOWN OF WEYMOUTH ZONING MAP DATED DECEMBER 1, 2012.
- 5.) EXISTING UTILITIES, WHERE SHOWN, HAVE BEEN COMPILED BASED ON OBSERVED ABOVE GROUND EVIDENCE AND AVAILABLE RECORD PLANS AND ARE TO BE CONSIDERED APPROXIMATE. MERRILL CORPORATION, DOES NOT GUARANTEE THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN OR THAT ALL EXISTING UTILITIES AND/OR SUBSURFACE STRUCTURES ARE SHOWN.



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12/22/14	UNIT COUNT/PARKING	



12/22/14

DRAWN BY: MC/KH

DESIGNED BY: MC/DA

CHECKED BY: TAP



Merrill
Engineers and Land

427 Columbia Road, Hanover, MA 02339
Telephone: 781-826-9200 Fax: 781-826-

SITE PLAN
#110 KING AVENUE
ASSESSORS MAP 20 BLOCK 282 LOT 37
WEYMOUTH, MASSACHUSETTS
PREPARED FOR: WILLIAM HERLIHY

110 KING AVENUE
WEYMOUTH, MA 02188

AUGUST 18, 2014

SCALE: 1"=10'

JOB No. 14-073

LATEST REVISION:
DECEMBER 22, 2014

EXISTING CONDITIONS

SHEET C2.1



12/22/14

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CHECKED BY: TAP



Merrill
Engineers and Land Surveyors
427 Columbia Road, Hanover, MA 02339
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SITE PLAN
#110 KING AVENUE
ASSESSORS MAP 20 BLOCK 282 LOT 37
WEYMOUTH, MASSACHUSETTS
PREPARED FOR: WILLIAM HERLIHY
110 KING AVENUE
WEYMOUTH, MA 02188

AUGUST 18, 2014

SCALE: 1"=10'

JOB No. 14-073

LATEST REVISION:
DECEMBER 22, 2014

CONSTRUCTION

SHEET C4.1

—LEGEND—

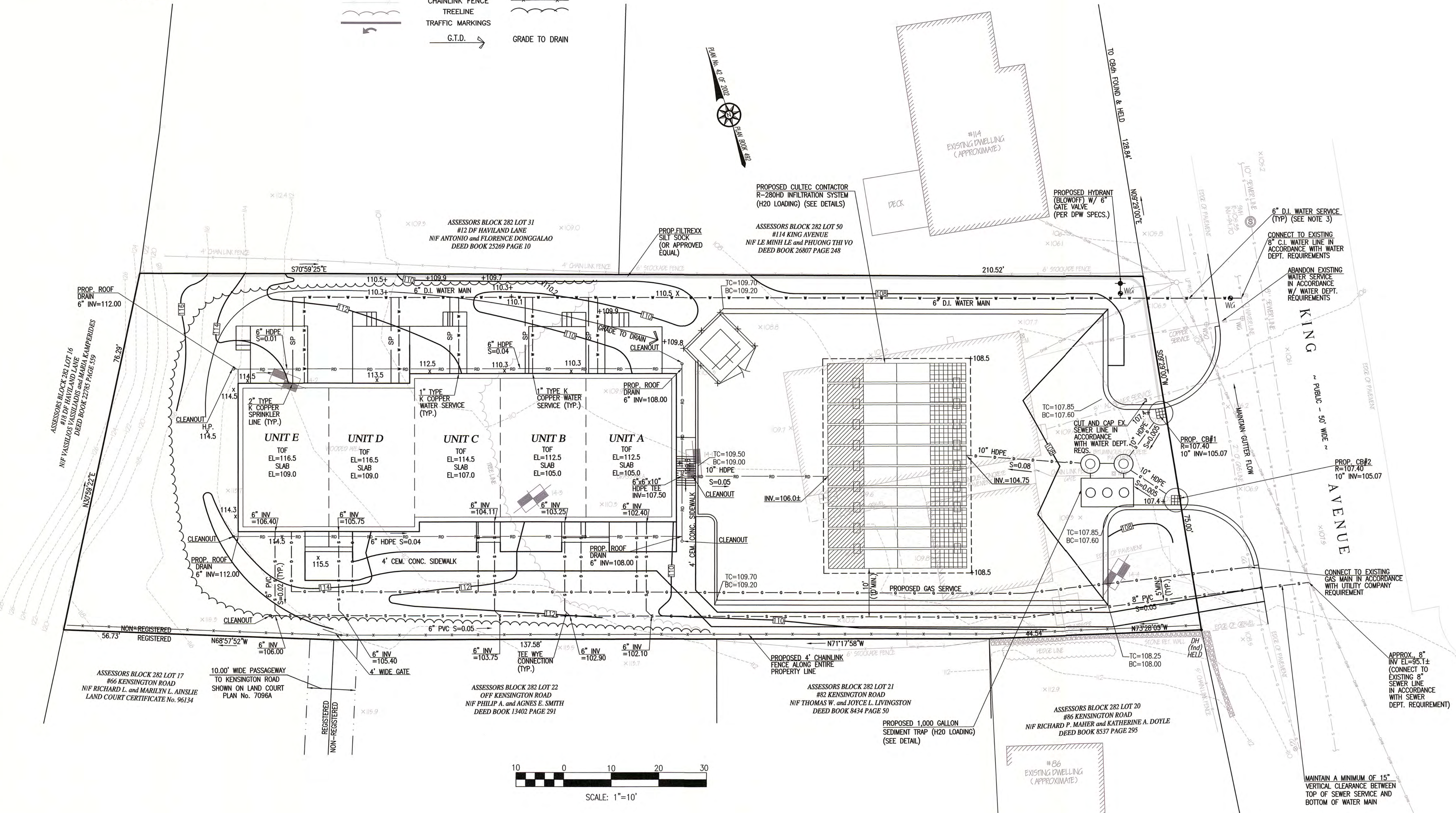
EXISTING	PROPOSED
+ 99.9	+100.50
SPOT ELEVATION	
PROPERTY LINE	
2' CONTOUR	100
EDGE OF PAVEMENT	VCC
VERTICAL CONCRETE CURB	
WATER LINE	W
SPRINKLER WATER LINE	SP
DRAIN LINE	D
GAS LINE	G
SEWER LINE	S
ELECTRIC LINE	E
ROOF DRAIN	RD
UTILITY POLE	

—LEGEND—

EXISTING	PROPOSED
HYDRANT	
DRAIN MANHOLE	
CATCH BASIN	
WATER GATE VALVE OR CURB BOX	WG
MAILBOX	
ELEC. MANHOLE	GG
GAS GATE	
CONCRETE BOUND RISERS/CLEANOUTS	
AREA LIGHT	
LOW LEVEL LIGHT	
GRADE TO DRAIN	GTD
TEST HOLE	
CHAINLINK FENCE	
TREELINE	
TRAFFIC MARKINGS	
G.T.D.	GRADE TO DRAIN

NOTES:

- CONTRACTOR SHALL INSTALL EROSION CONTROL ALONG ALL DOWN GRADIENT LIMITS OF WORK AND ALONG PROPERTY LINES AS NECESSARY.
- MERRILL CORPORATION RECOMMENDS PROPERLY DESIGNED FOUNDATION DRAINS, DESIGNED BY OTHERS, FOR EVERY STRUCTURE WITH A BASEMENT.
- CONSULT WITH WATER DEPARTMENT RELATIVE TO SIZE, MATERIAL AND INSTALLATION REQUIREMENTS.



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8. THE CONTRACTOR SHALL NOTIFY THE TOWN'S PLANNING STAFF AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY SITE WORK.

6. ALL DRAINAGE STRUCTURES IN THE PARKING AND DRIVEWAY AREAS WILL BE ABLE TO WITHSTAND AASHTO H-20 WHEEL LOADS

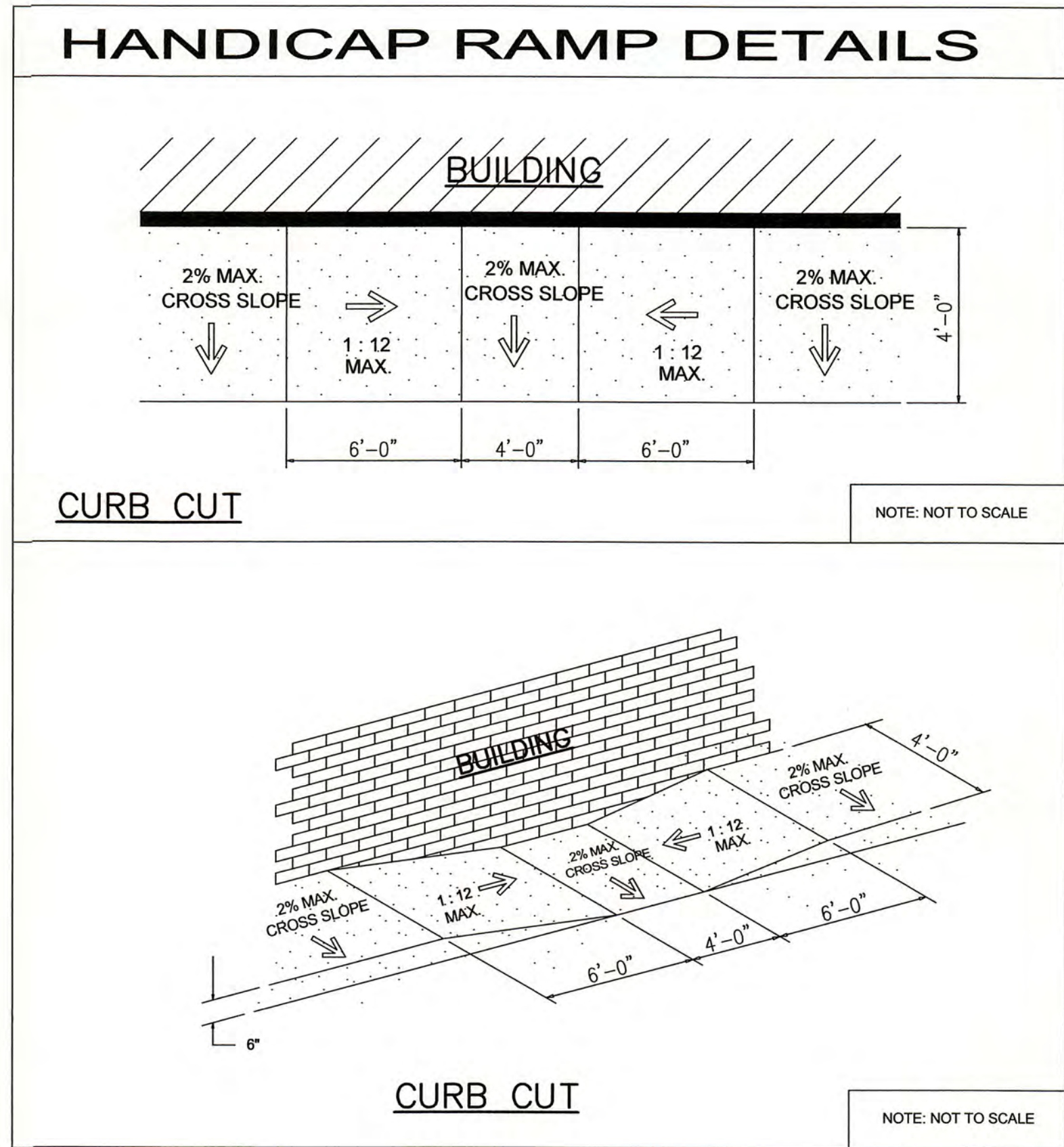
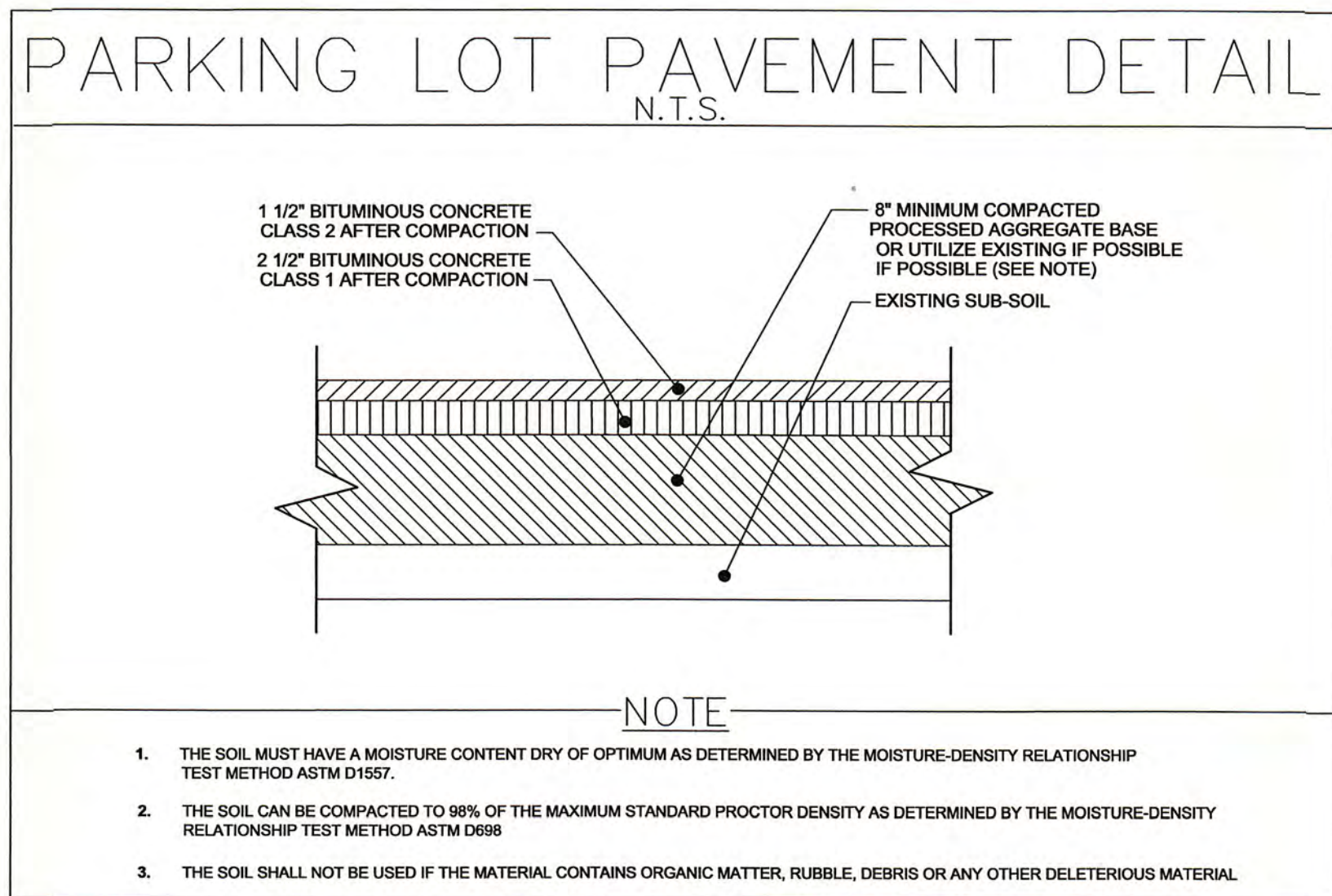
11. DUE TO THE SMALL SCALE OF THE SITE WORK DRAWINGS, EXACT LOCATION OF UTILITY STUBS FOR BUILDING CONNECTIONS SHALL BE VERIFIED WITH THE BUILDING DRAWINGS. SERVICE STUBS TO THE BUILDING SHALL BE INSTALLED TO A POINT 10 FEET FROM THE BUILDING WALL UNLESS OTHERWISE NOTED OR DETAILED.

13. THE EROSION CONTROL MEASURES SHOWN ON THE PLANS SHALL ACT AS THE LIMITS OF DISTURBANCE AND THE LIMITS OF CONSTRUCTION.

PERFORMED BY: DANA ALTOBELLO ON 5/29/14

T.H. 14-1	T.H. 14-2	T.H. 14-3	T.H. 14-4
EL. 110.0	EL. 112.0	EL. 110.5	EL. 109.0
0" to 6" A HORIZON SANDY LOAM 10 YR 2/2	0" to 12" FILL	0" to 15" A HORIZON SANDY LOAM 10 YR 3/3	0" to 42" FILL
109.5	111.0	109.3	
6" to 16" B HORIZON LOOSE SAND 2.5 YR 3/2	12" to 28" B HORIZON SANDY LOAM 10 YR 3/4	15" to 28" B HORIZON SANDY LOAM 10 YR 3/4	
108.7	109.7	108.2	105.5
16" to 102" C LAYER GRAVELLY - COARSE SAND 2.5 YR 3/3	28" to 84" C LAYER MEDIUM - COARSE SAND 2.5 YR 4/3	28" to 70" C LAYER MEDIUM - COARSE SAND 2.5 YR 4/3	42" to 84" C LAYER MEDIUM - COARSE SAND 2.5 YR 4/3
	84+" Cr LAYER	70+" Cr LAYER	
101.5	102.0	109.5	102.0
D=8.5' WATER NOT ENCOUNTERED	D=10' WATER NOT ENCOUNTERED	D=10' WATER NOT ENCOUNTERED	D=10' WATER NOT ENCOUNTERED
NO MOTTLING ESHOW: ASSUMED EL=101.5	NO MOTTLING ESHOW: ASSUMED EL=102.0	NO MOTTLING ESHOW: ASSUMED EL=109.5	NO MOTTLING ESHOW: ASSUMED EL=102.0

12. LANDSCAPE, LOAM & SEED ALL EXPOSED AREAS.



- NOTE:**
1. ALL RAMPS TO HAVE DETECTABLE WARNINGS PER CURRENT CODE
 2. MAX RAMP SLOPE 1:12
 3. ALL HANDICAP PARKING AND ACCESS AREAS WILL FULLY COMPLY WITH ADA/AAB REGULATIONS

CHECKED BY: TAP



SITE PLAN

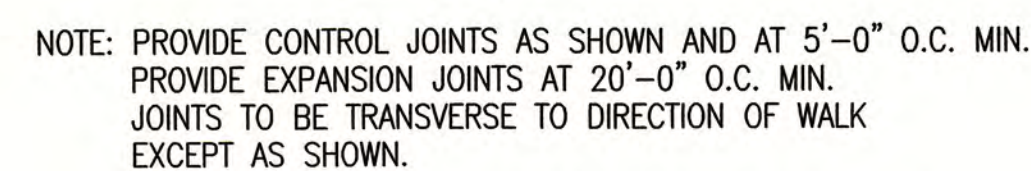
#110 KING AVENUE
ASSESSORS MAP 20 BLOCK 282 LOT 37
WEYMOUTH, MASSACHUSETTS

PREPARED FOR: WILLIAM HERLIHY
110 KING AVENUE
WEYMOUTH, MA 02188

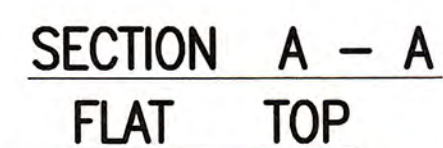
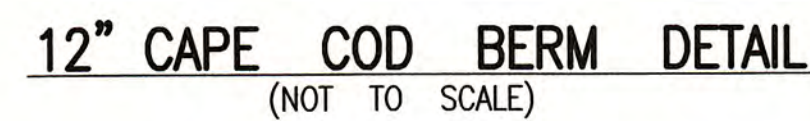
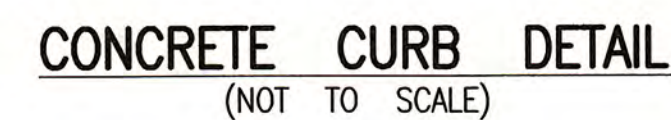
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CONSTRUCTION

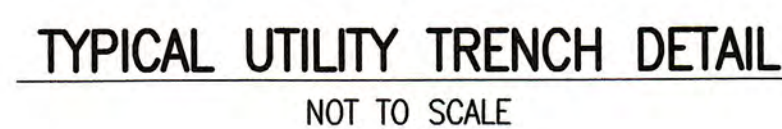
SHEET C6.1



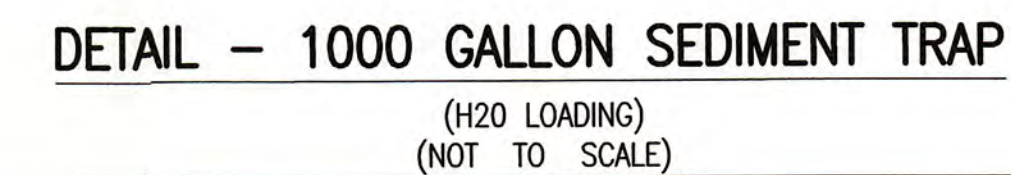
TYP. CONCRETE WALK-CURB DETAIL
NOT TO SCALE



SHALLOW GAS TRAP CATCH BASIN
(NOT TO SCALE)



NOTE:
CONSULT WITH EACH UTILITY PROVIDER FOR
UTILITY TRENCHING, MATERIALS AND INSTALLATION



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DESIGNED BY: MC/DA

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SITE PLAN
#110 KING AVENUE
ASSESSORS MAP 20 BLOCK 282 LOT 37
WEYMOUTH, MASSACHUSETTS
PREPARED FOR: WILLIAM HERLIHY
110 KING AVENUE
WEYMOUTH, MA 02188

AUGUST 18, 2014

SCALE: AS NOTED

JOB No. 14-073

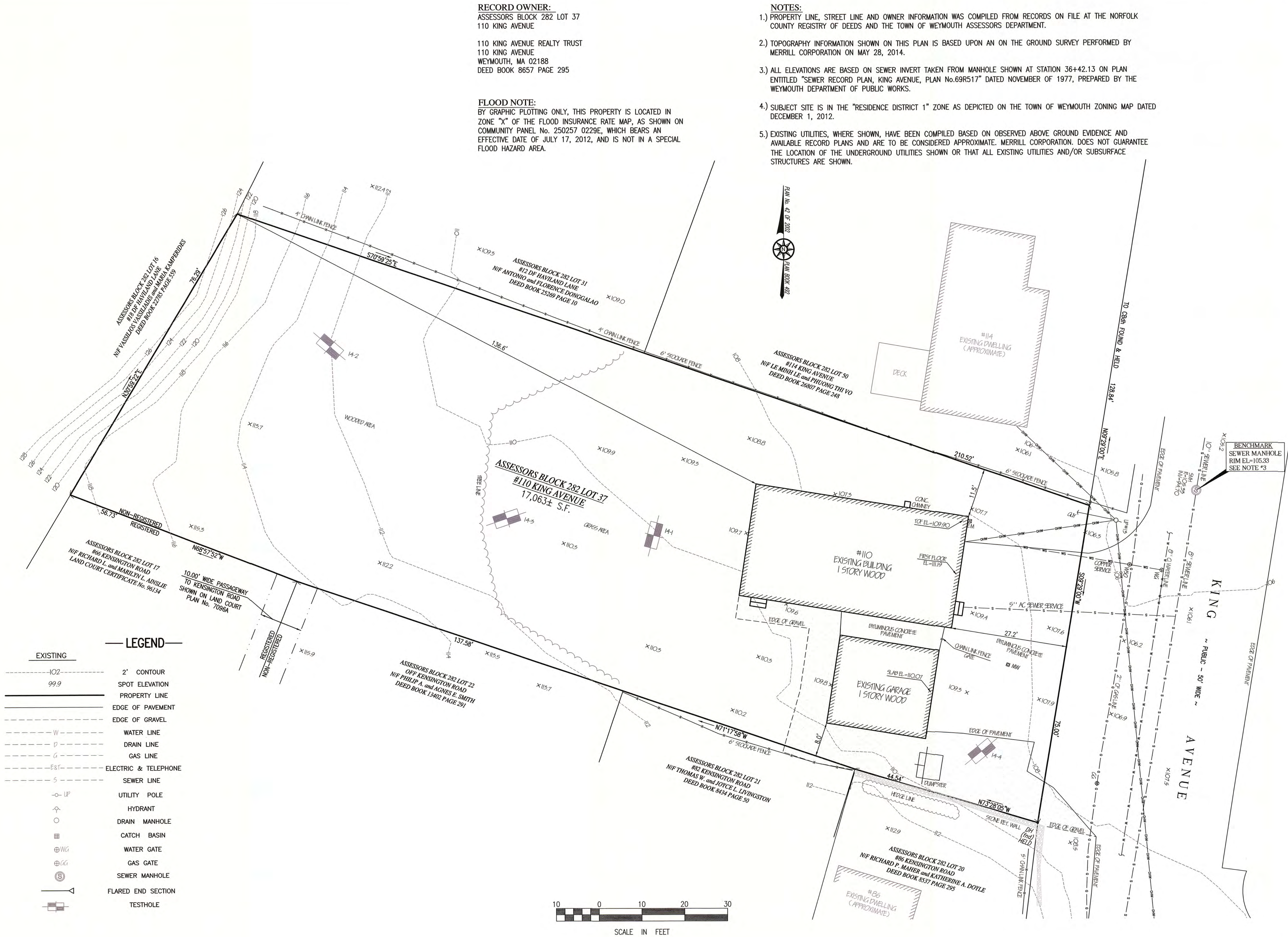
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SHEET C6.2

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REVISIONS

NO.	DATE	DESCRIPTION
1.	12/22/14	UNIT COUNT/PARKING

COMMONWEALTH OF MASSACHUSETTS

DANA M. ALTOBELLO

No. 46237

CIVIL

REGISTERED

PROFESSIONAL ENGINEER

JRD 12/22/14

DRAWN BY: MC/KH

DESIGNED BY: MC/DA

CHECKED BY: TAP

Merrill

Engineers and Land Surveyors

427 Columbia Road, Hanover, MA 02339

Telephone: 781-826-9200 Fax: 781-826-6665

SITE PLAN

#110 KING AVENUE

ASSESSORS MAP 20 BLOCK 282 LOT 37

WEYMOUTH, MASSACHUSETTS

PREPARED FOR: WILLIAM HERLIHY

110 KING AVENUE

WEYMOUTH, MA 02188

AUGUST 18, 2014

SCALE: 1"=10'

JOB No. 14-073

LATEST REVISION:
DECEMBER 22, 2014

EXISTING CONDITIONS

SHEET C2.1

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PH: (800) 4-CULTEC
FX: (203) 775-1462
tech@cultec.com

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RECHARGER 280HD HEAVY DUTY PAVED TRAFFIC APPLICATION

CULTEC RECHARGER			
PROJECT NO:	DATE:	DESIGNED BY:	TECH
CULTEC, INC.	06/06/2013	CULTEC, INC.	TECH
SCALE:	SHEET NO:	SCALE:	1 OF 1
N.T.S.		N.T.S.	

DETAILS

SHEET C6.3

SITE PLAN
#110 KING AVENUE
ASSESSORS MAP 20 BLOCK 282 LOT 37
WYOMOUTH, MASSACHUSETTS
PREPARED FOR: WILLIAM HERLIHY
110 KING AVENUE
WYOMOUTH, MA 02188

Merrill
Engineers and Land Surveyors
427 Columbia Road, Hanover, MA 02339
Telephone: 781-826-9200 Fax: 781-826-6665

DRAWN BY: MC/KH

DESIGNED BY: MC/DA

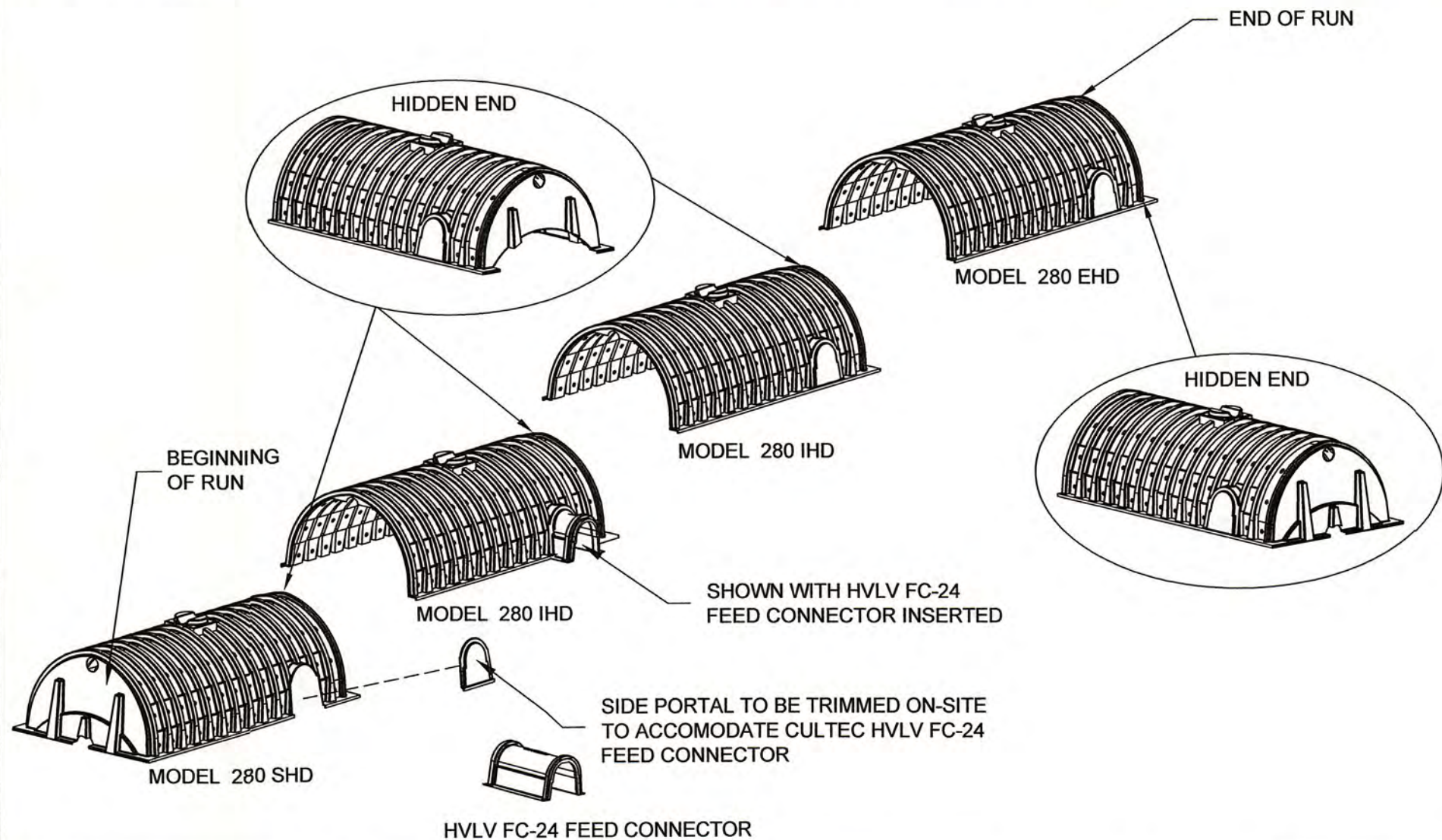
CHECKED BY: TAP

1. 12/22/14 UNIT COUNT/PARKING
DANA M. ALTOBELLO
No. 46237
CIVIL
REGISTERED PROFESSIONAL ENGINEER
12/22/14

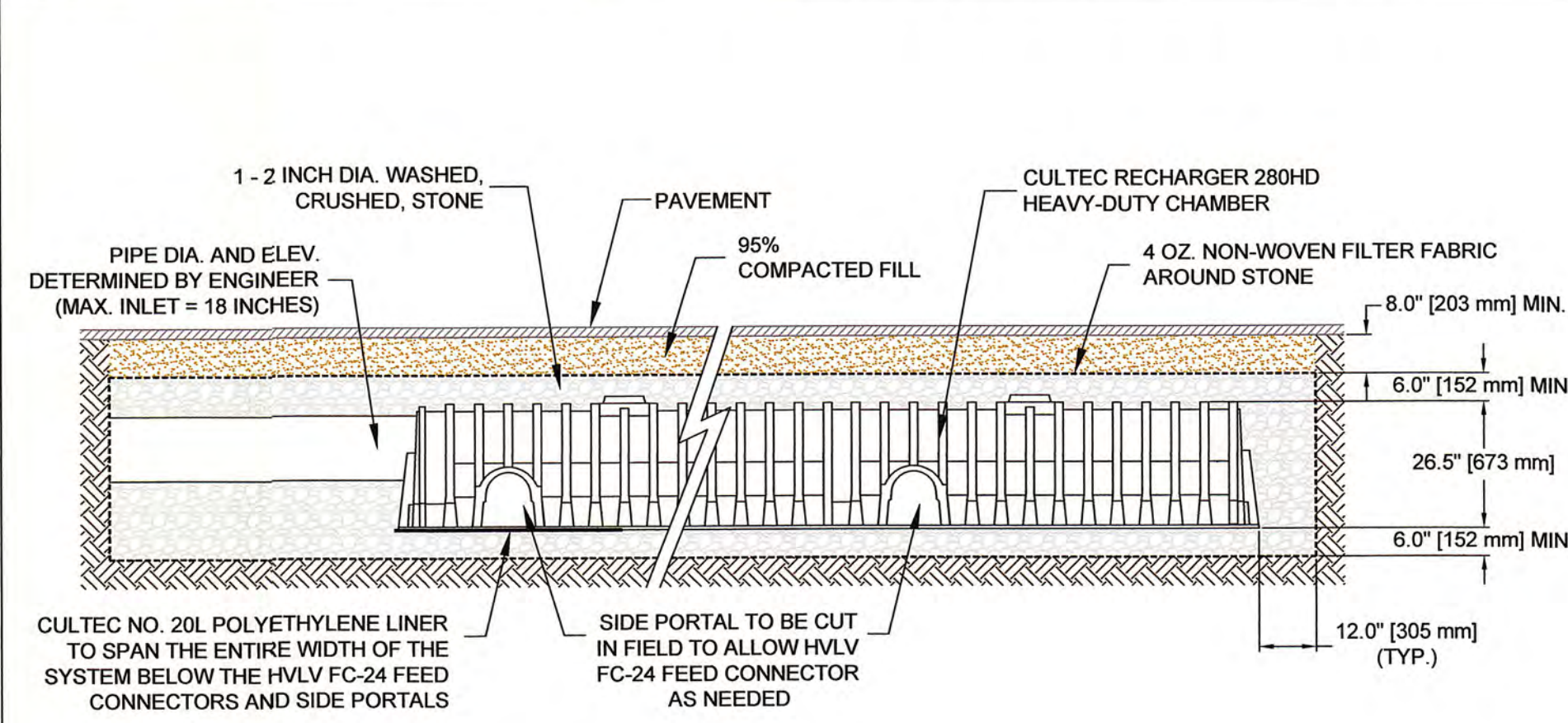
REVISIONS

NO.	DESCRIPTION	DATE

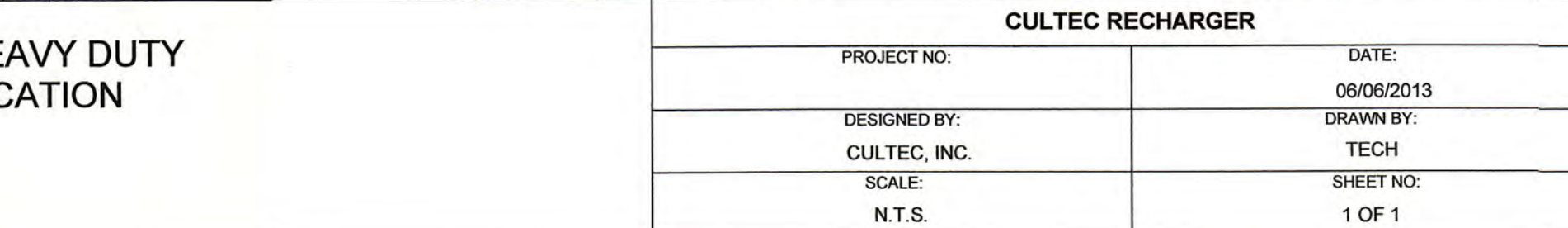
CULTEC RECHARGER 280HD HEAVY DUTY END DETAIL INFORMATION



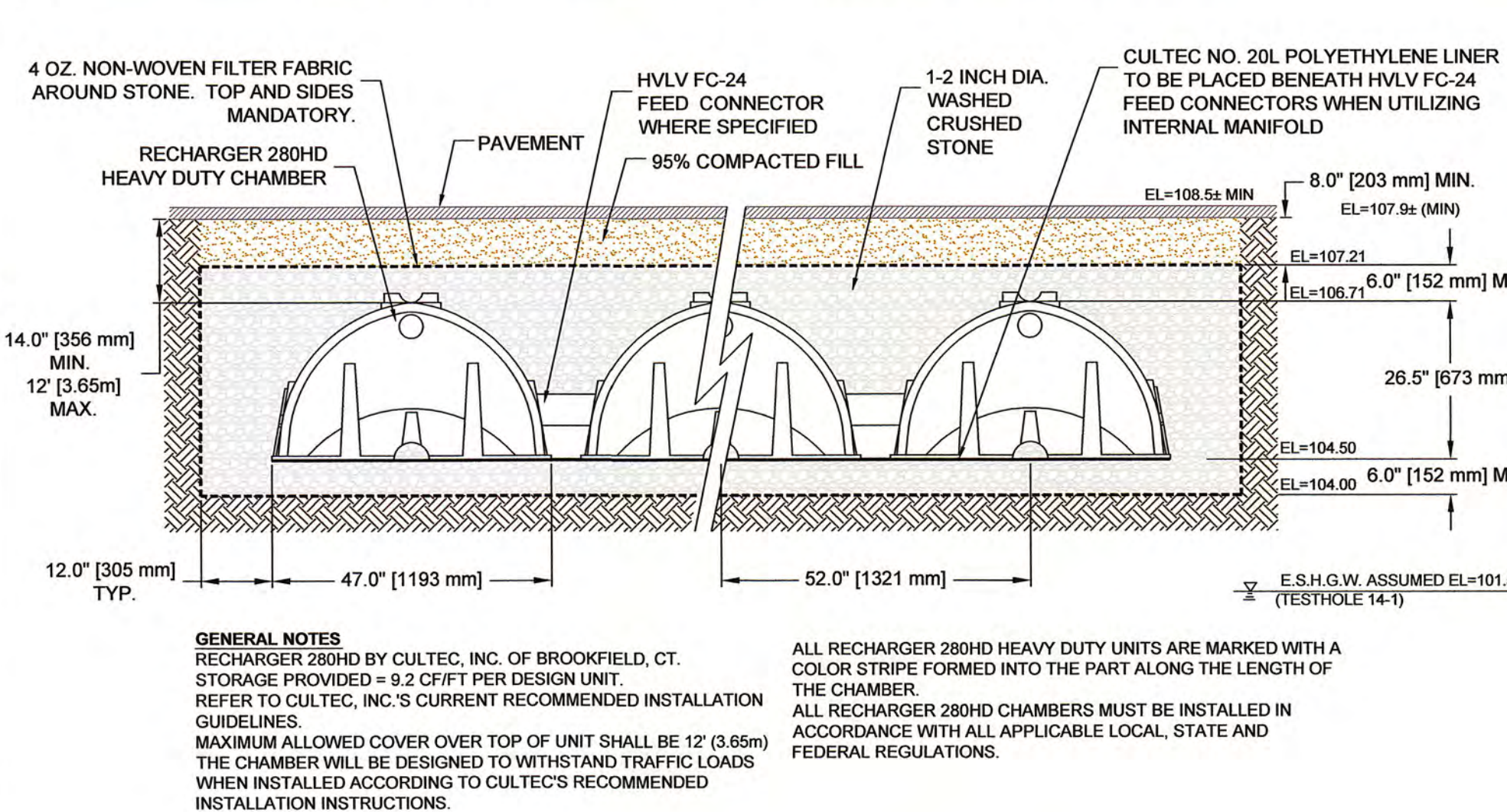
CULTEC RECHARGER 280HD HEAVY DUTY TYPICAL INTERLOCK



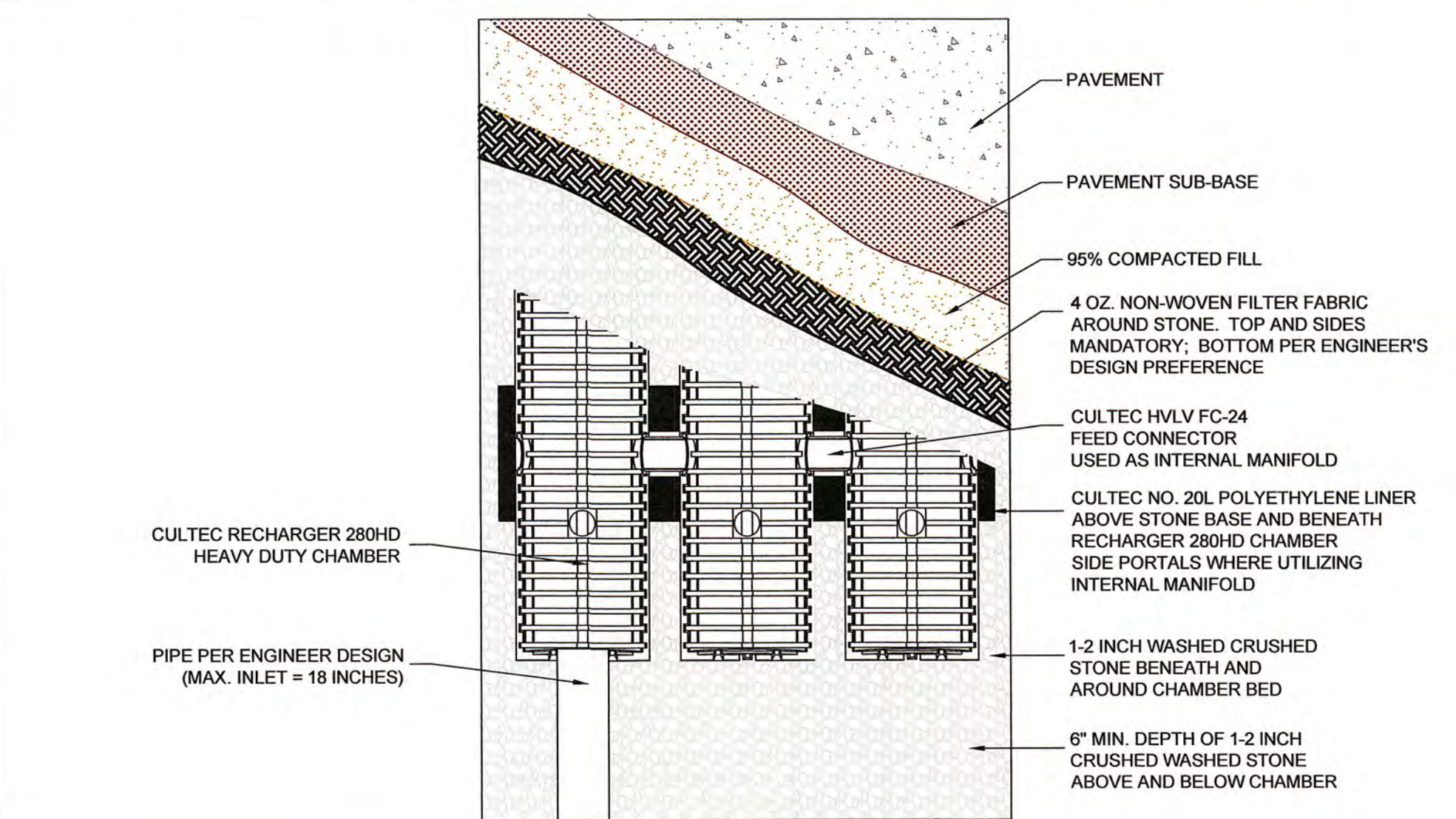
CULTEC INTERNAL MANIFOLD DETAIL



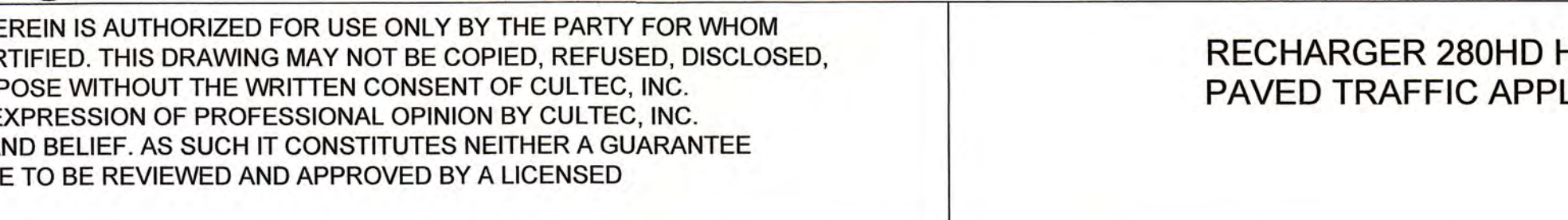
CULTEC RECHARGER 280HD HEAVY DUTY THREE VIEW



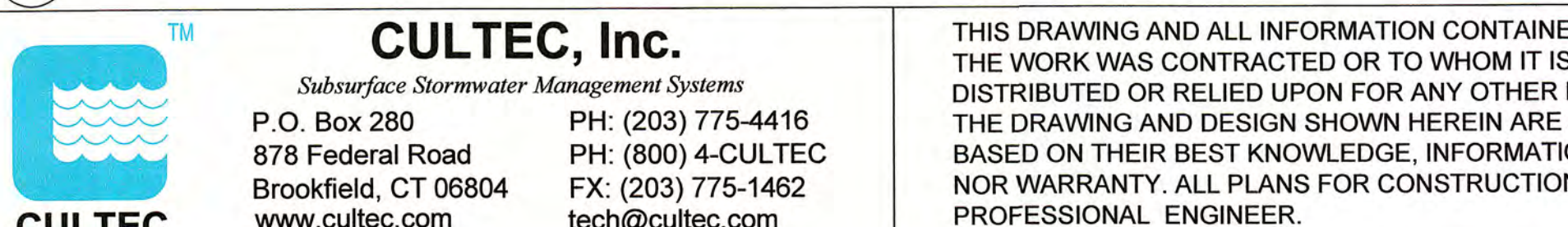
CULTEC RECHARGER 280HD HEAVY DUTY TYPICAL CROSS SECTION



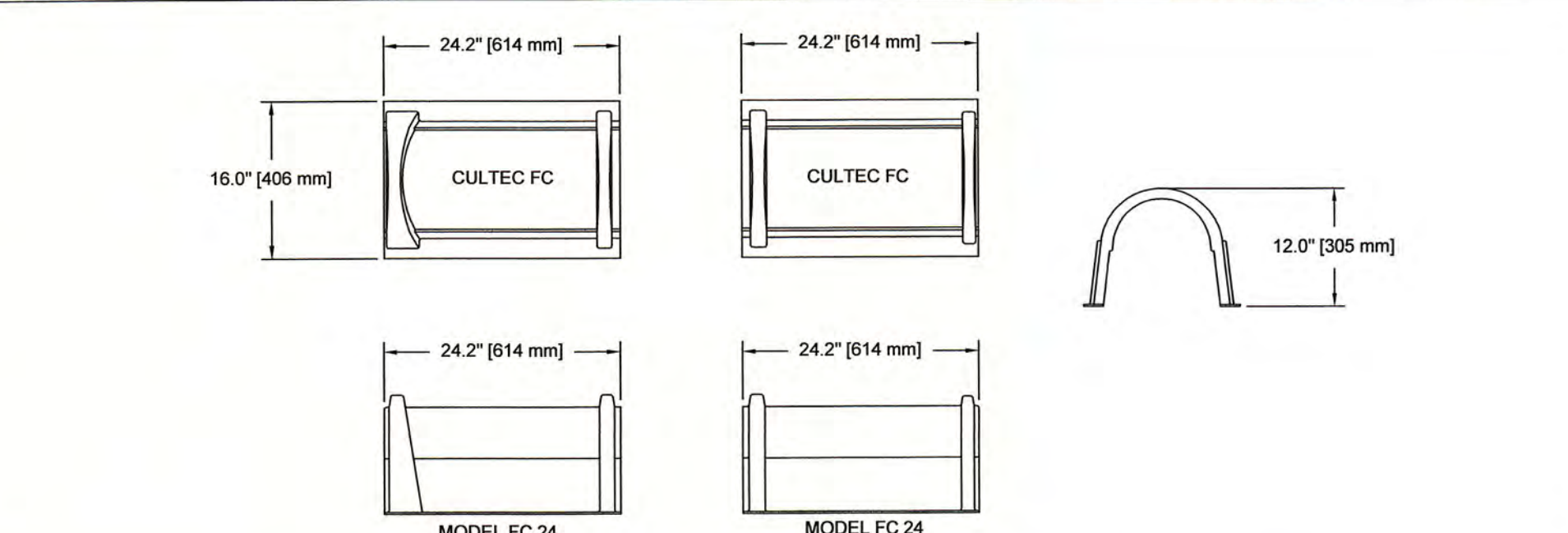
CULTEC RECHARGER 280HD HEAVY DUTY PLAN VIEW



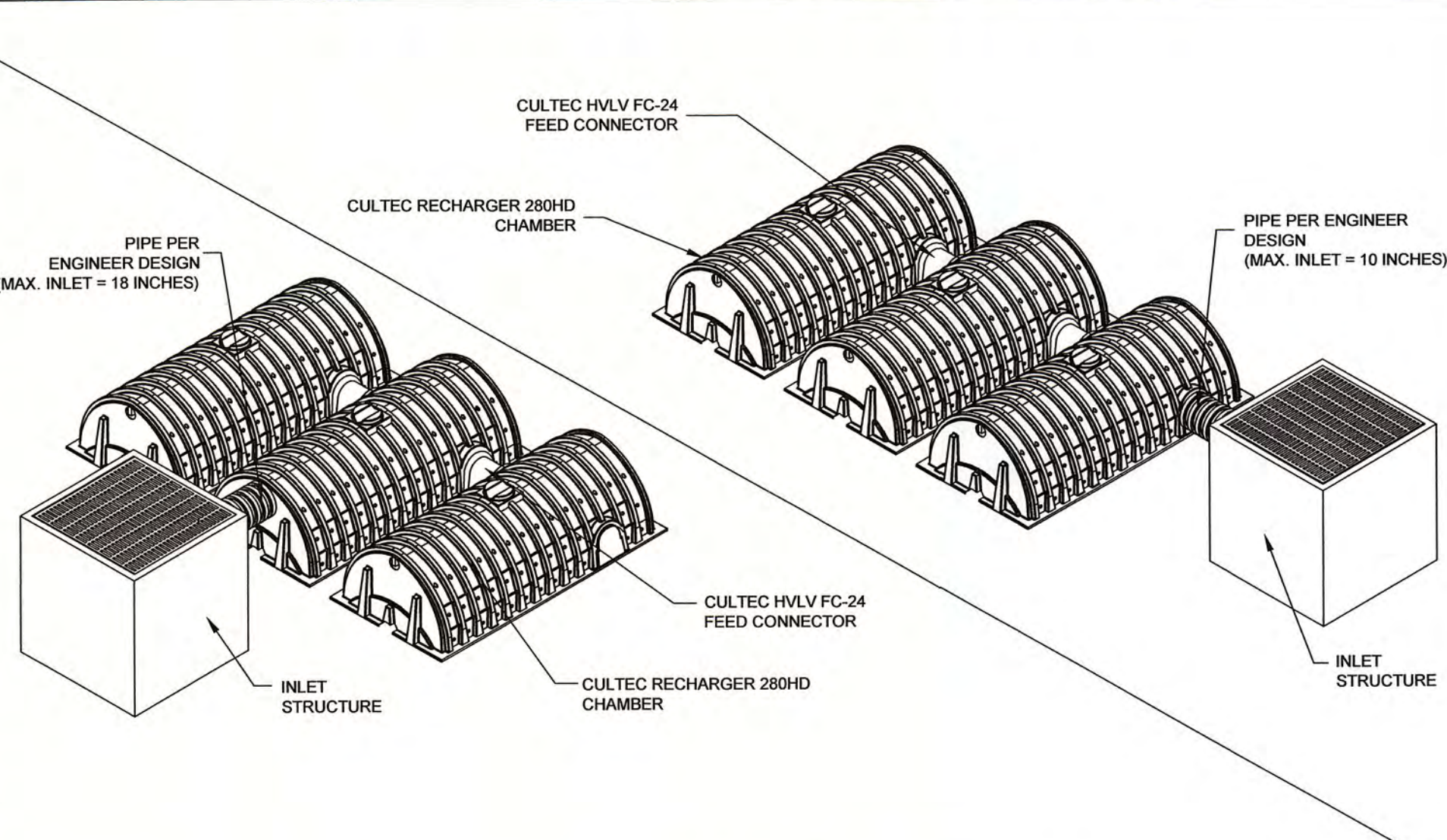
CULTEC TYPICAL INLET CONNECTIONS



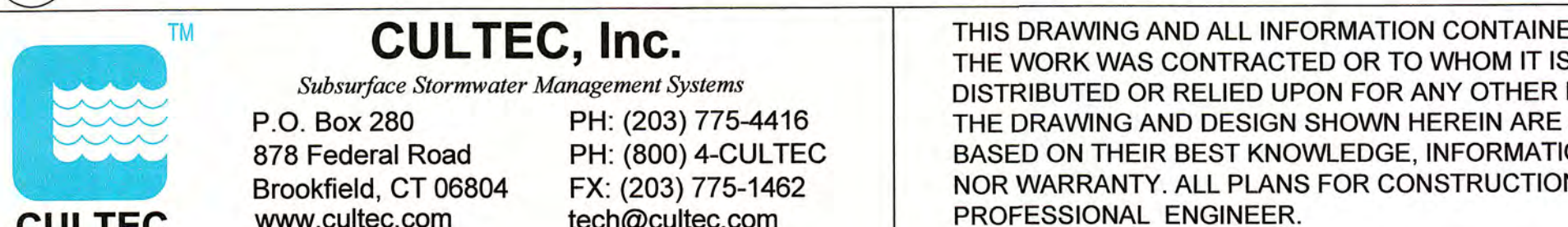
GENERAL NOTES



CULTEC HVLV FC 24 FEED CONNECTOR THREE VIEW



CULTEC RECHARGER 280HD HEAVY DUTY THREE VIEW



CULTEC RECHARGER 280 SPECIFICATIONS

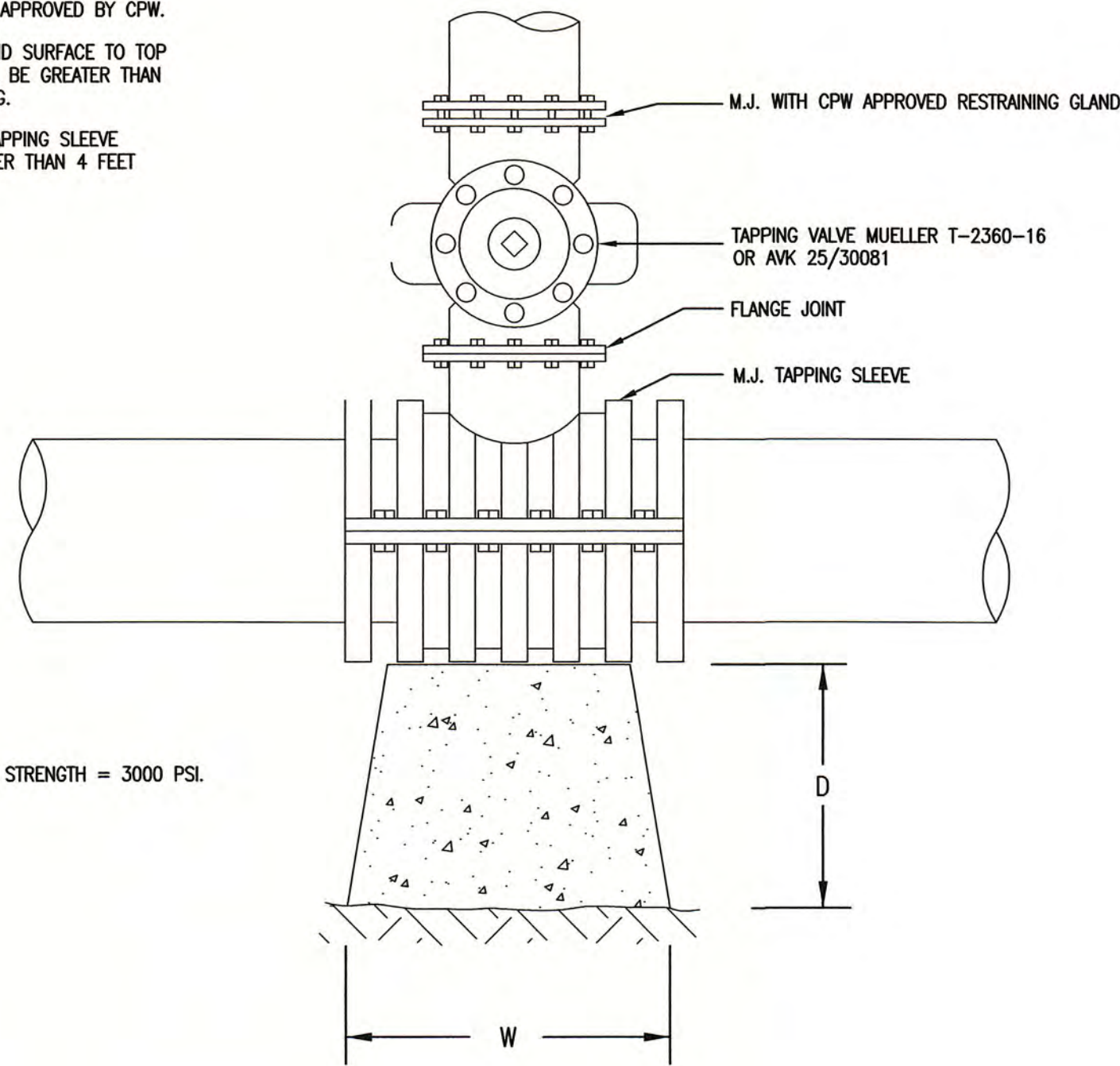
- GENERAL**
CULTEC RECHARGER 280HD CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER STORAGE AND STORAGE. THE CHAMBERS MAY BE USED FOR STORAGE OF RECHARGING, DETENTION OR CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF.
- CHAMBER PARAMETERS**
1. THE CHAMBER SHALL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
 2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HDPE).
 3. THE CHAMBER SHALL BE ANCHORED IN SHAPE.
 4. THE CHAMBER SHALL BE OPEN BOTTOMED.
 5. THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS OR SEPARATE END WALLS.
 6. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER 280HD SHALL BE 26.5 INCHES (673 MM) TALL, 47 INCHES (1193 MM) WIDE AND 9 FEET (2.74 M) LONG. THE INSTALLED LENGTH OF A JOINED RECHARGER 280HD SHALL BE FEET (2.74 M).
 7. MAXIMUM INLET OPENING ON THE CHAMBER ENDWALL IS 18 INCHES (457 MM).
 8. THE CHAMBER SHALL HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV FC-24 FEED CONNECTORS TO CREATE AN INTERNAL MANIFOLD. THE NOMINAL DIMENSIONS OF EACH SIDE PORTAL WILL BE 12 INCHES (305 MM) HIGH BY 12 INCHES (305 MM) WIDE. MAXIMUM ALLOWABLE PIPE SIZE IN THE SIDE PORTAL IS 10 INCHES (254 MM).
 9. THE NOMINAL STORAGE VOLUME OF THE CULTEC RECHARGER 280HD CHAMBER WILL BE 6.079 CF/FT (0.565 M³/M).
 10. THE NOMINAL STORAGE VOLUME OF A JOINED RECHARGER 280HD SHALL BE 6.079 CF/FT (0.565 M³/M).
 11. THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR WILL BE 0.913 FT³ (0.025 M³) WITHOUT STONE.
 12. THE RECHARGER 280HD CHAMBER WILL HAVE EIGHTY-TWO DISCHARGE HOLES BORED INTO THE SIDEWALLS OF THE CHAMBER TO PROMOTE LATERAL CONVEYANCE OF WATER.
 13. THE RECHARGER 280HD CHAMBER SHALL HAVE 15 CORRUGATIONS.
 14. THE ENDWALL OF THE CHAMBER, WHEN PRESENT, WILL BE AN INTEGRAL PART OF THE CONTINUOUSLY FORMED UNIT. SEPARATE END PLATES CANNOT BE USED WITH THIS UNIT.
 15. THE RECHARGER 280HD STAND ALONE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO FULLY FORMED INTEGRAL ENDWALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS.
 16. THE RECHARGER 280HD STARTER UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 9 INCHES (229 MM) HIGH BY 12 INCHES (305 MM) WIDE.
 17. THE RECHARGER 280HD INTERMEDIATE UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE PARTIALLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 9 INCHES (229 MM) HIGH BY 12 INCHES (305 MM) WIDE.
 18. THE RECHARGER 280HD END UNIT MUST BE FORMED AS A WHOLE CHAMBER HAVING ONE FULLY FORMED INTEGRAL ENDWALL AND ONE FULLY FORMED INTEGRAL ENDWALL WITH A LOWER TRANSFER OPENING OF 9 INCHES (229 MM) HIGH BY 12 INCHES (305 MM) WIDE.
 19. THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT WILL FIT INTO THE SIDE PORTALS OF THE RECHARGER 280HD AND ACT AS CROSS FEED CONNECTIONS.
 20. CHAMBERS MUST HAVE HORIZONTAL STIFFENING FLEX REDUCTION STEPS BETWEEN THE RIBS.
 21. HEAVY DUTY UNITS ARE DESIGNATED BY A COLORED STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
 22. THE CHAMBER WILL HAVE A RAISED INTEGRAL CAP AT THE TOP OF THE ARCH IN THE CENTER OF EACH UNIT TO BE USED AS AN OPTIONAL INSPECTION PORT OR CUTOFF POINT.
 23. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTH BY CUTTING BACK TO ANY CORRUGATION.
 24. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2008 CERTIFIED FACILITY.
 25. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S INSTALLATION INSTRUCTIONS.
 26. MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE 12' (3.66M).

CULTEC HVLV FC-24 FEED CONNECTOR PRODUCT SPECIFICATIONS

- GENERAL**
CULTEC HVLV FC-24 FEED CONNECTORS ARE DESIGNED TO CREATE AN INTERNAL MANIFOLD FOR CULTEC RECHARGER MODEL 280HD, 280HD STARTER AND 280HD INTERMEDIATE CHAMBERS.
- CHAMBER PARAMETERS**
1. THE CHAMBERS WILL BE MANUFACTURED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
 2. THE CHAMBER SHALL BE VACUUM THERMOFORMED OF BLACK HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HDPE).
 3. THE CHAMBER SHALL BE ANCHORED IN SHAPE.
 4. THE CHAMBER SHALL BE OPEN BOTTOMED.
 5. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV FC-24 FEED CONNECTOR SHALL BE 12 INCHES (305 MM) TALL, 12 INCHES (305 MM) WIDE AND 24 INCHES (609.6 MM) LONG.
 6. THE NOMINAL STORAGE VOLUME OF THE HVLV FC-24 FEED CONNECTOR WILL BE 0.913 FT³ (0.025 M³) WITHOUT STONE.
 7. THE HVLV FC-24 FEED CONNECTOR CHAMBER SHALL HAVE 2 CORRUGATIONS.
 8. THE HVLV FC-24 FEED CONNECTOR MUST BE FORMED AS A WHOLE CHAMBER HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT WILL FIT INTO THE SIDE PORTALS OF THE CULTEC RECHARGER 280HD CHAMBER AND ACT AS CROSS FEED CONNECTIONS CREATING AN INTERNAL MANIFOLD.
 9. THE CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
 10. THE CHAMBER SHALL BE MANUFACTURED IN AN ISO 9001:2008 CERTIFIED FACILITY.
- CULTEC NO. 20L POLYETHYLENE LINER**
- GENERAL**
CULTEC NO. 20L POLYETHYLENE LINER IS DESIGNED AS AN IMPERMEABLE UNDERLAYMENT TO PREVENT SCOURING CAUSED BY WATER MOVEMENT WITHIN THE CULTEC CHAMBERS AND FEED CONNECTORS UTILIZING THE CULTEC MANIFOLD FEATURE.
- LINER PARAMETERS**
1. THE LINER WILL BE PROVIDED BY CULTEC, INC. OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
 2. THE LINER WILL BE BLACK IN APPEARANCE.
 3. THE LINER WILL HAVE A NOMINAL THICKNESS OF 20 MIL (0.51 MM).
 4. THE LINER WILL HAVE A HEIGHT OF 83 LB/MSF (433 G/M²).
 5. THE LINER WILL HAVE A TENSILE STRENGTH @ BREAK OF 11 LBF (49 N) PER ASTM D6953 TESTING METHOD.
 6. THE LINER WILL HAVE AN ELONGATION AT BREAK OF 800% PER ASTM D6953 TESTING METHOD.
 7. THE LINER WILL HAVE A TENSILE STRENGTH @ BREAK OF 11 LBF (49 N) PER ASTM D6953 TESTING METHOD.
 8. THE LINER WILL HAVE A HYDROSTATIC RESISTANCE OF 100 PSI (689 KPA) PER ASTM D711 TESTING METHOD.
 9. THE LINER WILL HAVE A PUNCTURE RESISTANCE OF 30 LBF (133 N) PER ASTM D433 TESTING METHOD.
 10. THE LINER WILL HAVE A VOLATILE LOSS OF <1% PER ASTM D1583 TESTING METHOD.
 11. THE LINER WILL HAVE A DIMENSIONAL STABILITY OF <4% PER ASTM D1583 TESTING METHOD.
 12. THE LINER WILL HAVE A MAXIMUM USE TEMPERATURE OF 180°F (82°C).
 13. THE LINER WILL HAVE A MINIMUM USE TEMPERATURE OF -100°F (-178°C).
 14. THE LINER WILL HAVE A PERM RATING OF 0.01 U.S. PERMS (0.027 METRIC PERMS) PER ASTM D56 METHOD A.
 15. THE LINER WILL CONSIST OF A BLENDED LINER POLYETHYLENE.
 16. THE LINER WILL NOT CONTAIN PLASTICIZERS.

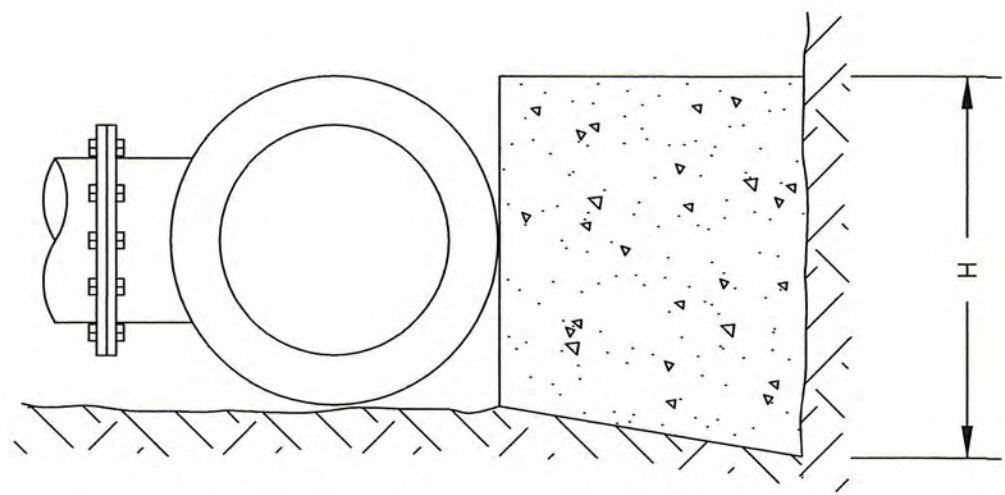
NOTES:

1. TAPPING SADDLES ARE NOT ALLOWED FOR MAIN-ON-MAIN TAPS.
2. USE MUELLER OR AMERICAN DARLING DUCTILE IRON OR 316 STAINLESS STEEL TAPPING SLEEVES FOR TAP SIZES 4" - 24".
3. USE 316 STAINLESS STEEL TAPPING SLEEVES BY DRESSER OR CASCADE FOR TAPS ON MAINS 30" AND GREATER.
4. BOLTS AND NUTS FOR ALL TAPPING SLEEVES SHALL BE 316 SS.
5. USE THRUST BLOCKING ONLY FOR WET TAPS UNLESS OTHERWISE APPROVED BY CPW.
6. DEPTH FROM GROUND SURFACE TO TOP OF BLOCKING SHALL BE GREATER THAN HEIGHT OF BLOCKING.
7. THE END OF THE TAPPING SLEEVE SHALL BE NO CLOSER THAN 4 FEET TO A JOINT.

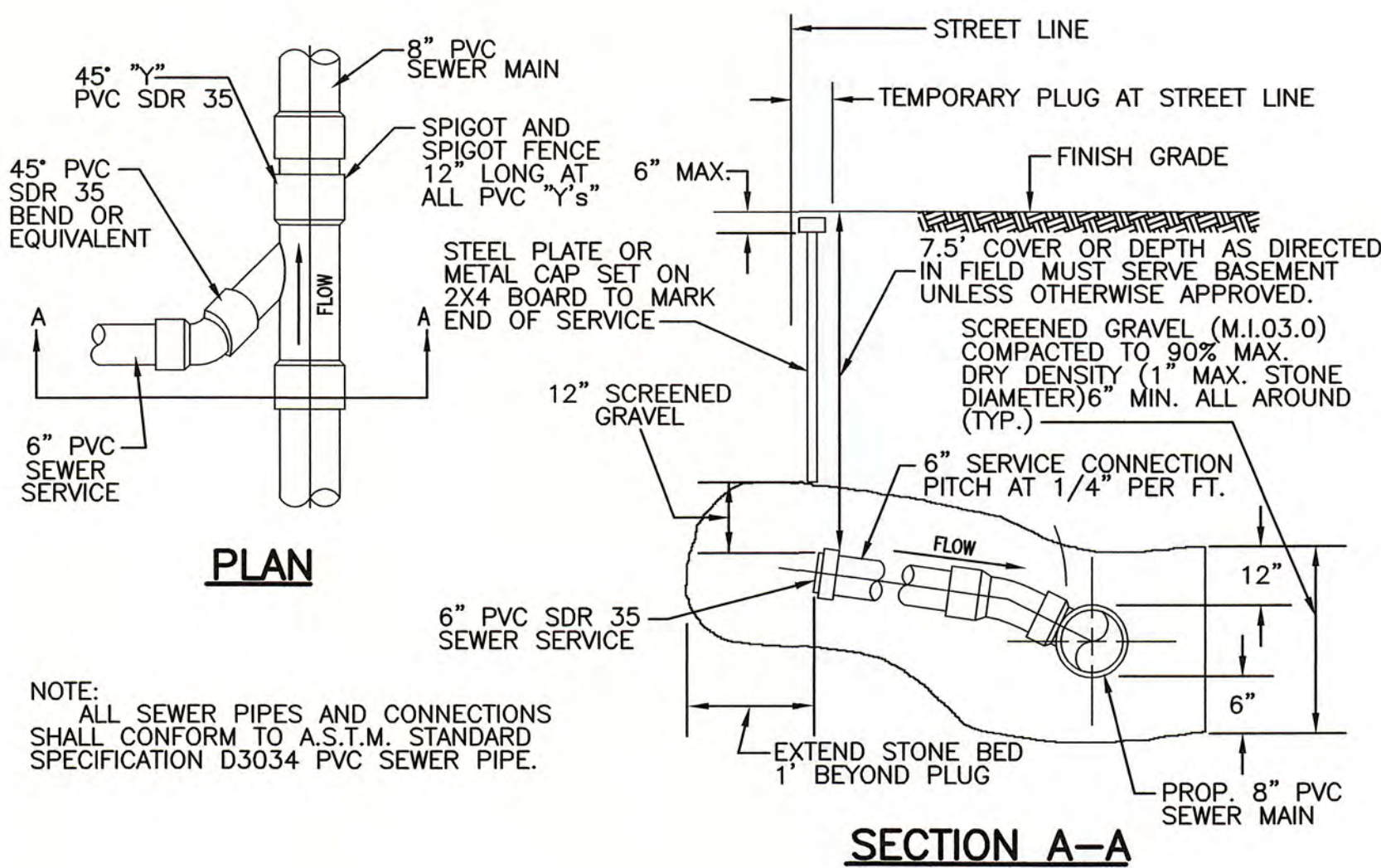


TYPICAL TAPPING SLEEVE
NOT TO SCALE

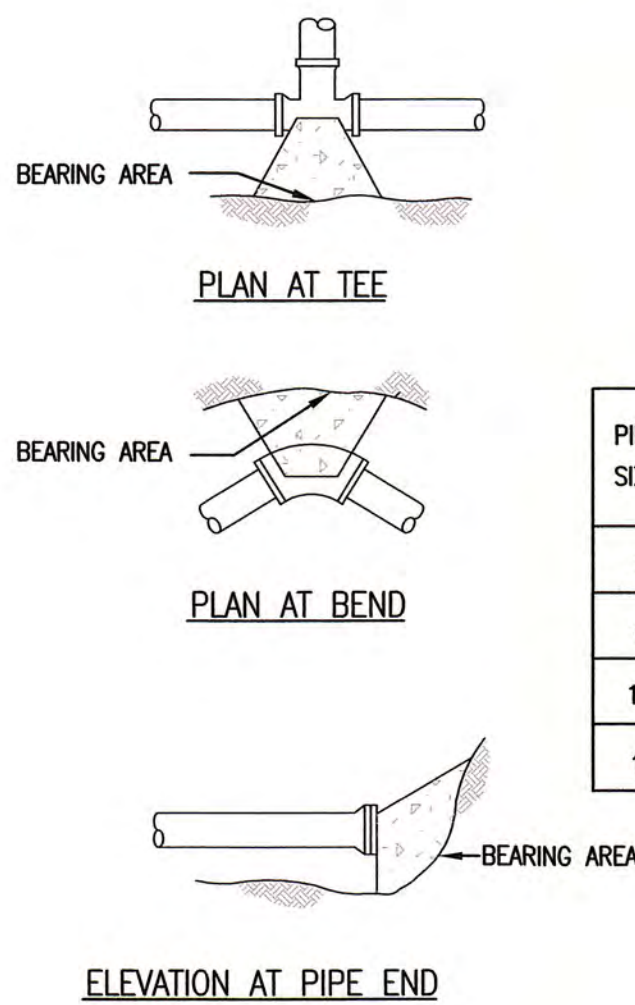
TAP SIZE	DIMENSIONS IN FEET		
	W	H	D
4" & 6"	2.0	1.4	1.0
8"	3.5	2.0	1.4
10"	4.0	2.5	1.8
12"	5.0	3.0	2.5



MINIMUM CONCRETE STRENGTH = 3000 PSI.

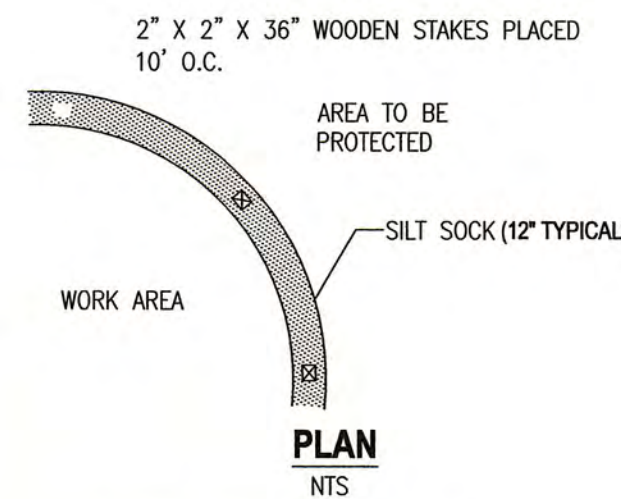
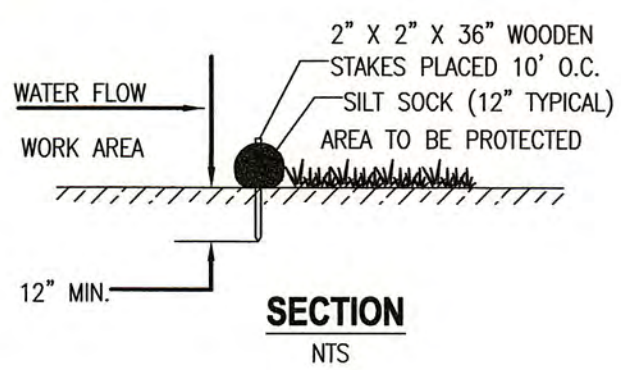


SEWER SERVICE CONNECTION
NOT TO SCALE

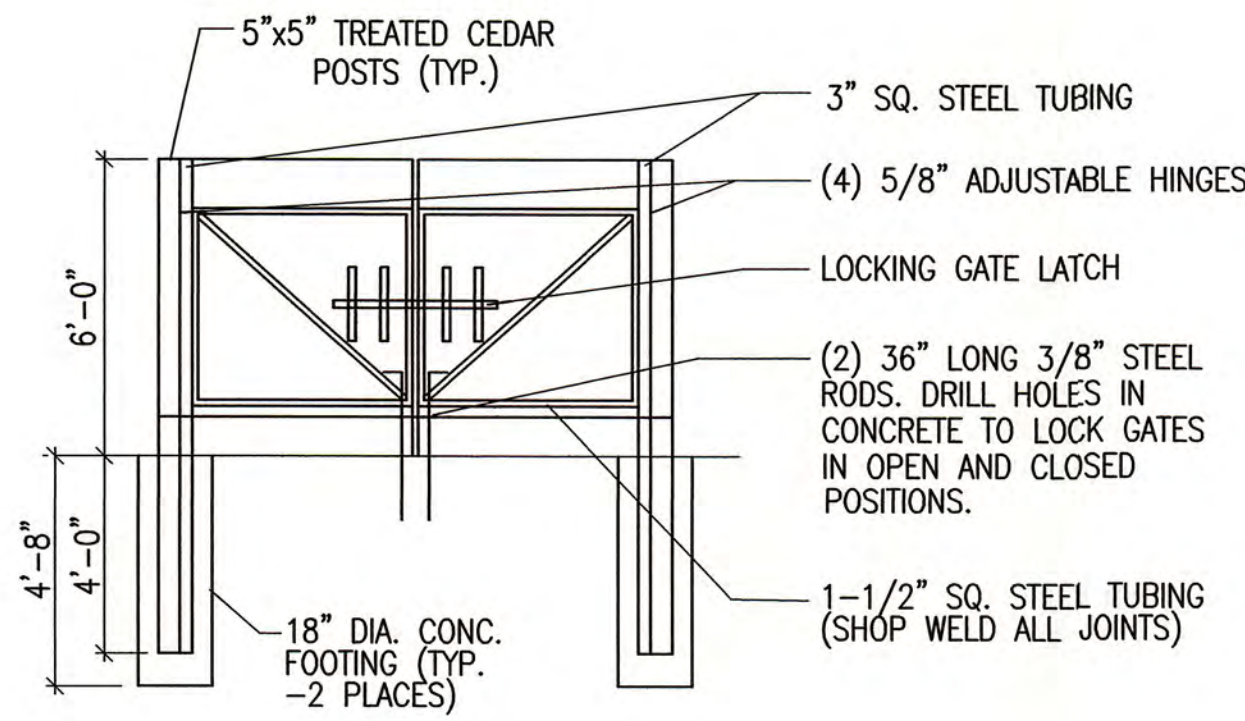


PIPE SIZE	BEARING AREA (SQ.FT.)
6"	4
8"	6
10"	8
12"	10

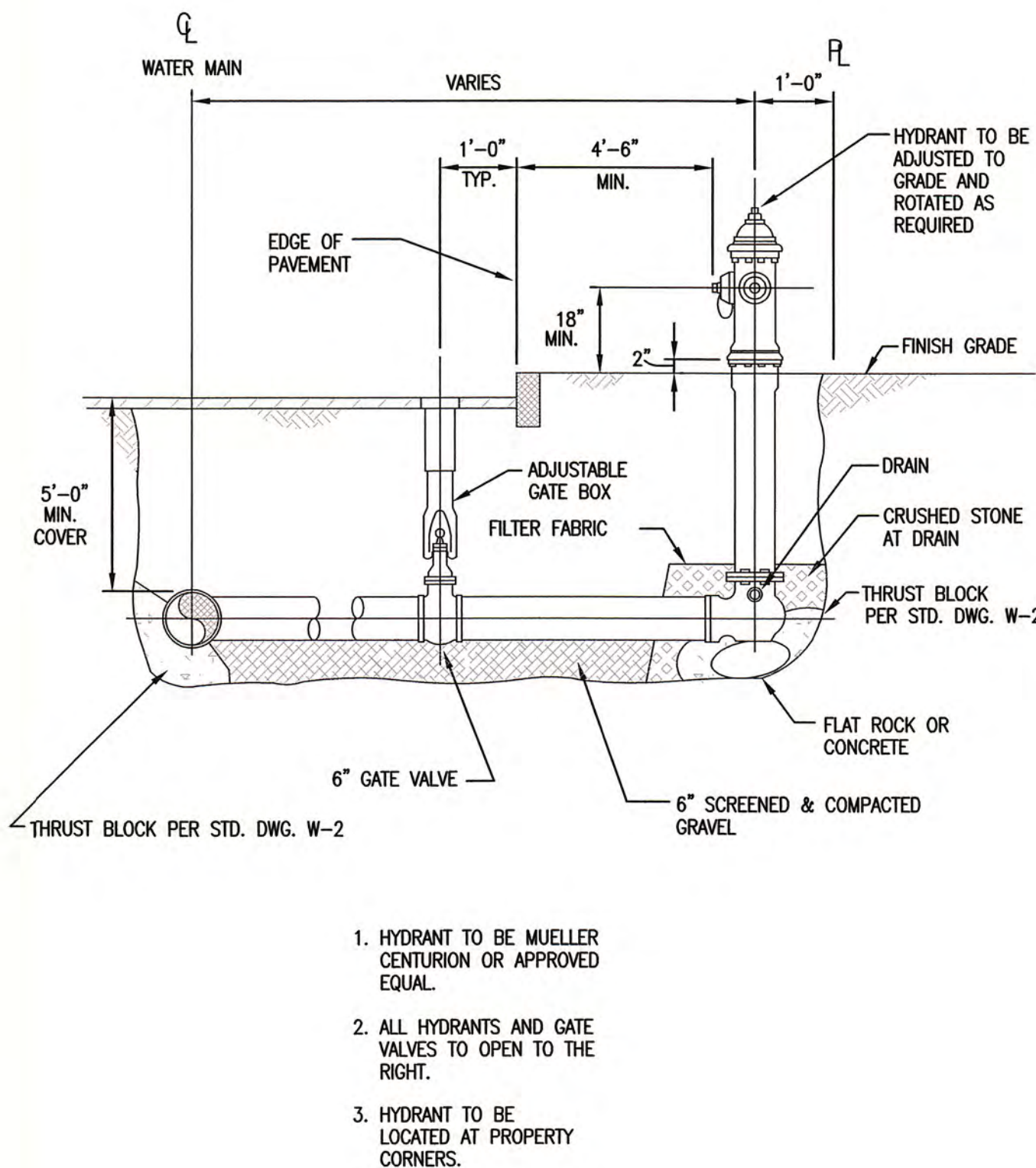
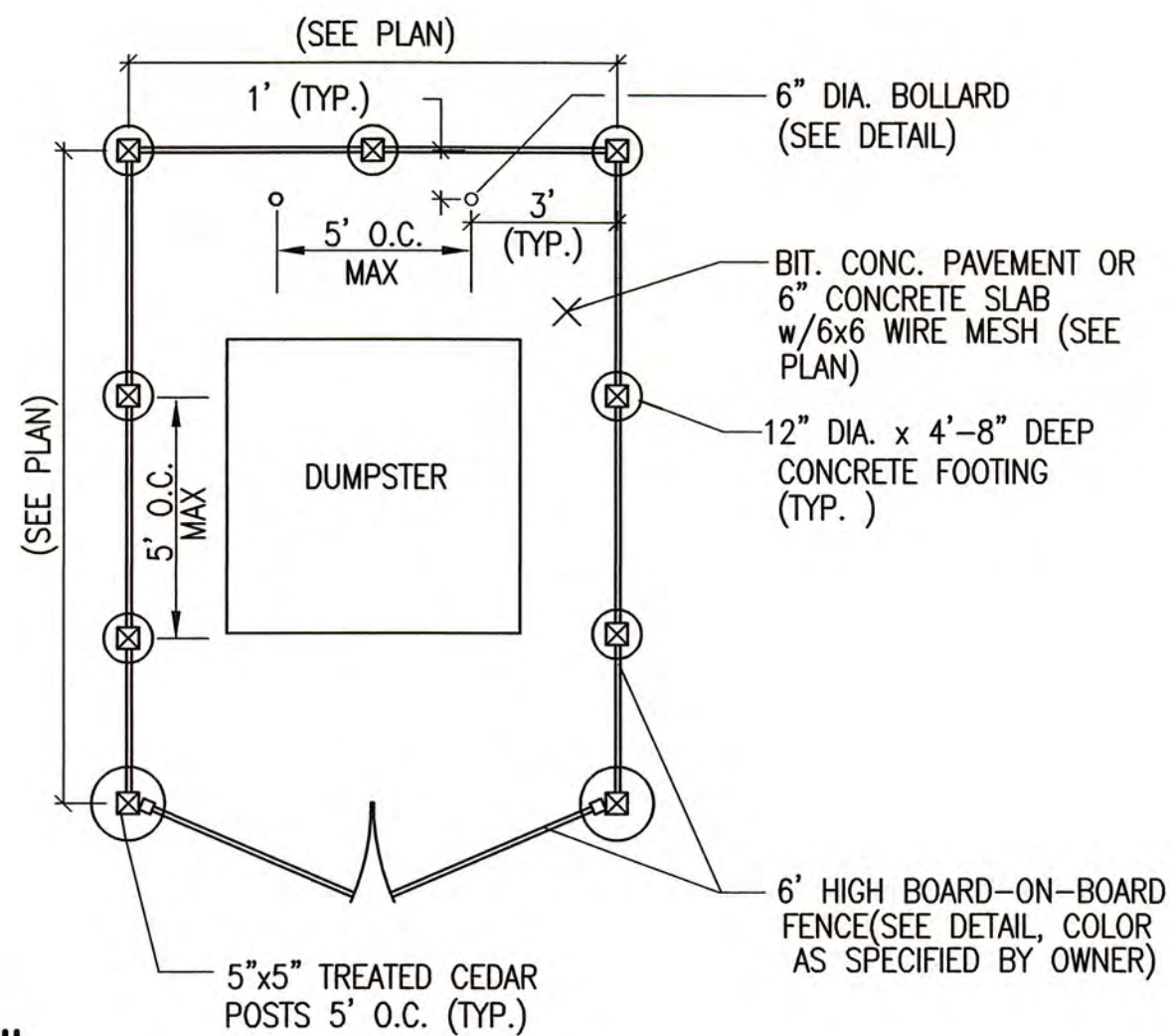
THRUST BLOCK DETAIL
NOT TO SCALE



SILT SOCK DETAIL
NOT TO SCALE



TRASH ENCLOSURE DETAIL
(NOT TO SCALE)



1. HYDRANT TO BE MUELLER CENTURION OR APPROVED EQUAL.
2. ALL HYDRANTS AND GATE VALVES TO OPEN TO THE RIGHT.
3. HYDRANT TO BE LOCATED AT PROPERTY CORNERS.

HYDRANT AND VALVE INSTALLATION DETAIL
NOT TO SCALE

REVISIONS

1. 12/22/14 UNIT COUNT/PARKING



DRAWN BY: MC/KH

DESIGNED BY: MC/DA

CHECKED BY: TAP

Merrill
Engineers and Land Surveyors
427 Columbia Road, Hanover, MA 02339
Telephone: 781-826-9200 Fax: 781-826-6665

SITE PLAN
#110 KING AVENUE
ASSESSORS MAP 20 BLOCK 282 LOT 37
WEYMOUTH, MASSACHUSETTS
PREPARED FOR: WILLIAM HERLIHY
110 KING AVENUE
WEYMOUTH, MA 02188

AUGUST 18, 2014

SCALE: AS NOTED

JOB No. 14-073

LATEST REVISION:
DECEMBER 22, 2014

PERMIT SET
NOT FOR
CONSTRUCTION

SHEET C6.4