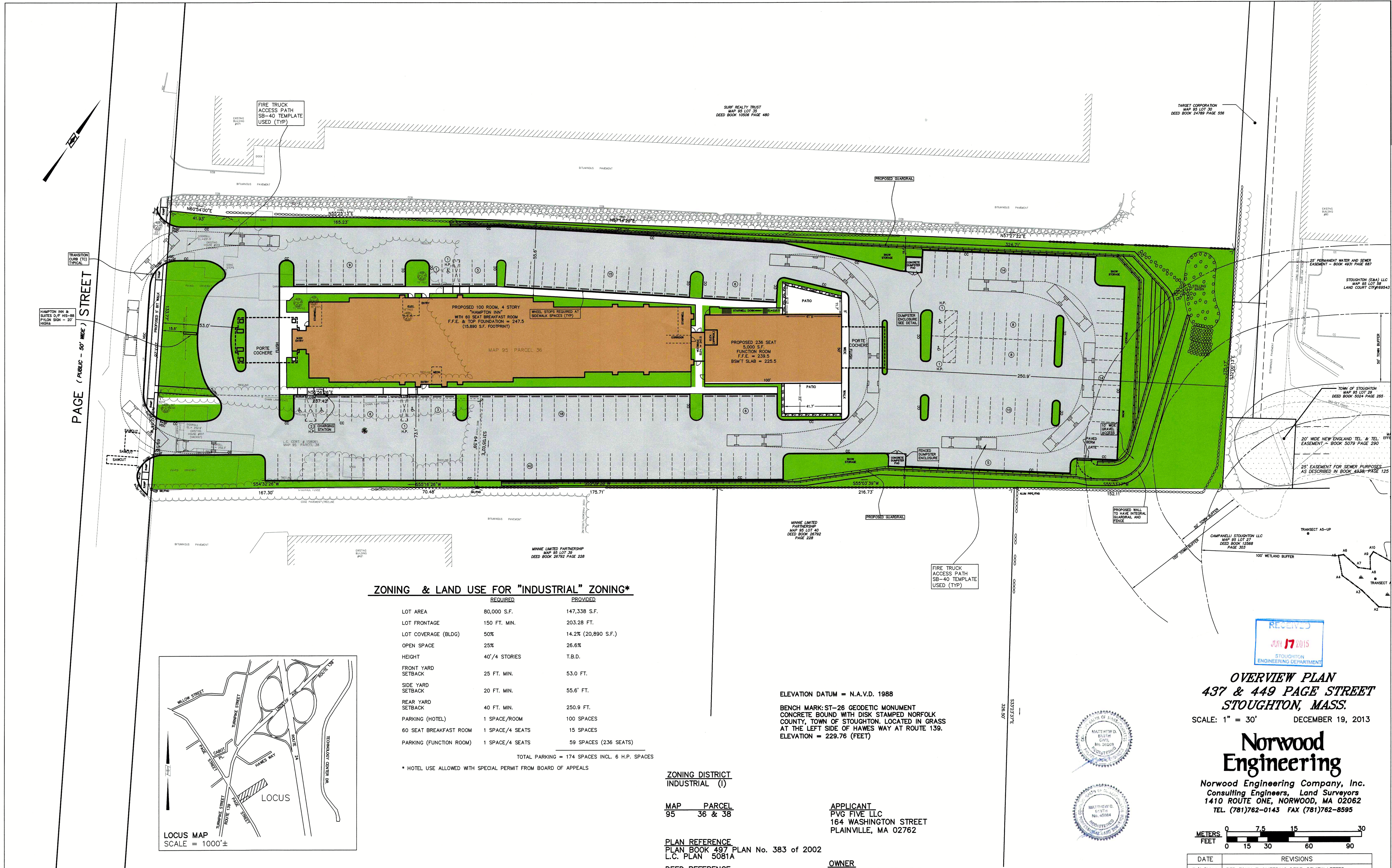




ZONING & LAND USE FOR "INDUSTRIAL" ZONING*

	REQUIRED	PROVIDED
LOT AREA	80,000 S.F.	147,338 S.F.
LOT FRONTAGE	150 FT. MIN.	203.28 FT.
LOT COVERAGE (BLDG)	50%	14.2% (20,890 S.F.)
OPEN SPACE	25%	26.6%
HEIGHT	40'/4 STORIES	T.B.D.
FRONT YARD SETBACK	25 FT. MIN.	53.0 FT.
SIDE YARD SETBACK	20 FT. MIN.	55.6' FT.
REAR YARD SETBACK	40 FT. MIN.	250.9 FT.
PARKING (HOTEL)	1 SPACE/ROOM	100 SPACES
60 SEAT BREAKFAST ROOM	1 SPACE/4 SEATS	15 SPACES
PARKING (FUNCTION ROOM)	1 SPACE/4 SEATS	59 SPACES (236 SEATS)

TOTAL PARKING = 174 SPACES INCL. 6 H.P. SPACES

* HOTEL USE ALLOWED WITH SPECIAL PERMIT FROM BOARD OF APPEALS

ZONING DISTRICT
INDUSTRIAL (I)

MAP 95
PARCEL 36 & 38

PLAN REFERENCE
PLAN BOOK 497 PLAN No. 383 of 2002
L.C. PLAN 5081A

DEED REFERENCE
DEED BOOK 15360, PAGE 565
DEED BOOK 13947, 114
LAND COURT CERT. # 158061

ELEVATION DATUM = N.A.V.D. 1988

BENCH MARK: ST-26 GEODETIC MONUMENT
CONCRETE BOUND WITH DISK STAMPED NORFOLK
COUNTY, TOWN OF STOUGHTON. LOCATED IN GRASS
AT THE LEFT SIDE OF HAWES WAY AT ROUTE 139.
ELEVATION = 229.76 (FEET)

APPLICANT
PVG FIVE LLC
164 WASHINGTON STREET
PLAINVILLE, MA 02762

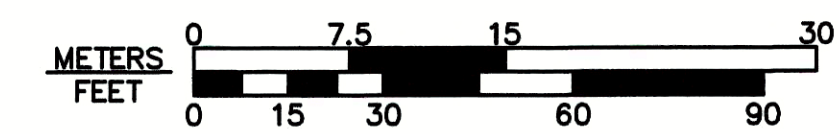
OWNER
F & M REALTY TRUST II
EDMUND J. MURPHY JR. TRUSTEE
P.O. BOX 453
MILTON, MA. 02186

OVERVIEW PLAN
437 & 449 PAGE STREET
STOUGHTON, MASS.

SCALE: 1" = 30' DECEMBER 19, 2013

Norwood Engineering

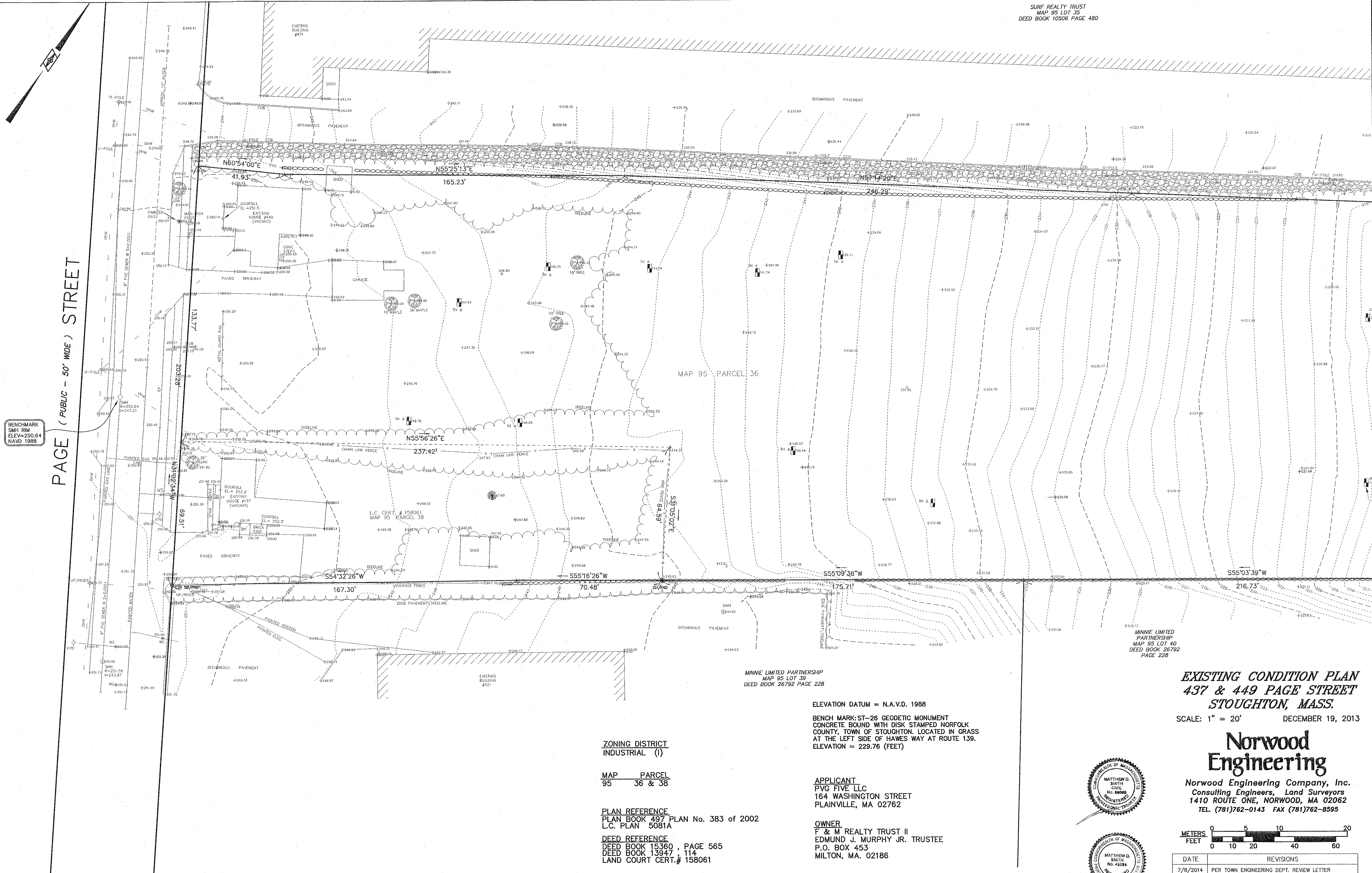
Norwood Engineering Company, Inc.
Consulting Engineers, Land Surveyors
1410 ROUTE ONE, NORWOOD, MA 02062
TEL (781)762-0143 FAX (781)762-8595



DATE	REVISIONS
7/8/2014	PER TOWN ENGINEERING DEPT. REVIEW LETTER
8/21/2014	BASE ACCESS ROAD, SITE LINES
10/1/2014	CHARGING STATION
6/8/2015	BASEMENT, SEW. PUMP STA, FDN DRAIN, DOORS

BENCHMARK
SMH RIM
ELEV=250.64
NAVD 1988

PAGE (PUBLIC - 50' WIDE) STREET



ZONING DISTRICT
INDUSTRIAL (I)

MAP 95 PARCEL 36 & 38

PLAN REFERENCE
PLAN BOOK 497 PLAN No. 383 of 2002
L.C. PLAN 5081A

DEED REFERENCE
DEED BOOK 15360 , PAGE 565
DEED BOOK 13947 , 114
LAND COURT CERT.# 158061

ELEVATION DATUM = N.A.V.D. 1988

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CONCRETE BOUND WITH DISK STAMPED NORFOLK
COUNTY, TOWN OF STOUGHTON, LOCATED IN GRASS
AT THE LEFT SIDE OF HAWES WAY AT ROUTE 139.
ELEVATION = 229.76 (FEET)

APPLICANT
PVG FIVE LLC
164 WASHINGTON STREET
PLAINVILLE, MA 02762

OWNER
F & M REALTY TRUST II
EDMUND J. MURPHY JR. TRUSTEE
P.O. BOX 453
MILTON, MA. 02186

MINNIE LIMITED PARTNERSHIP
MAP 95 LOT 39
DEED BOOK 26792 PAGE 228

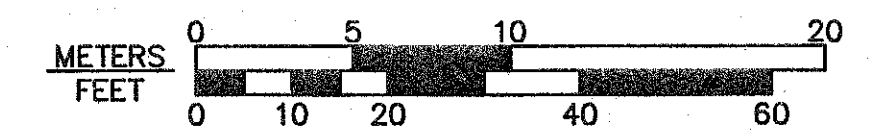
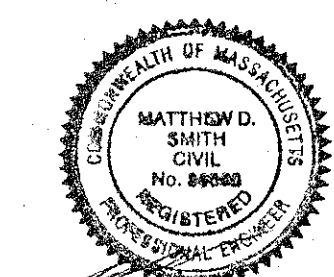
MINNIE LIMITED
PARTNERSHIP
MAP 95 LOT 40
DEED BOOK 26792
PAGE 228

EXISTING CONDITION PLAN
437 & 449 PAGE STREET
STOUGHTON, MASS.

SCALE: 1" = 20' DECEMBER 19, 2013

**Norwood
Engineering**

Norwood Engineering Company, Inc.
Consulting Engineers, Land Surveyors
1410 ROUTE ONE, NORWOOD, MA 02062
TEL (781)762-0143 FAX (781)762-8595



DATE	REVISIONS
7/8/2014	PER TOWN ENGINEERING DEPT. REVIEW LETTER
8/21/2014	BASIN ACCESS ROAD, SITE LINES
10/1/2014	CHARGING STATION
6/8/2015	BASEMENT, SEW. PUMP STA, FDN DRAIN, DOORS

SURF REALTY TRUST
MAP 95 LOT 35
DEED BOOK 10506 PAGE 480

TARGET CORPORATION
MAP 95 LOT 30
DEED BOOK 24789 PAGE 556

BENCHMARK
SPIKE "A-1"
ELEV=205.70
NAVD 1988

25' PERMANENT WATER AND SEWER
EASEMENT - BOOK 4931 PAGE 687

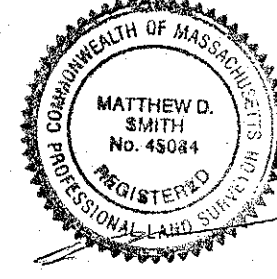
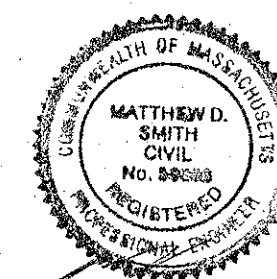
STOUGHTON (E&A) LLC
MAP 95 LOT 58
LAND COURT CTF#169543

TOWN OF STOUGHTON
MAP 95 LOT 29
DEED BOOK 5024 PAGE 255

20' WIDE NEW ENGLAND TEL. & TEL.
EASEMENT - BOOK 5079 PAGE 290

25' EASEMENT FOR SEWER PURPOSES
AS DESCRIBED IN BOOK 4931 PAGE 125

FLOOD HAZARD ZONE LINE FROM TOWN OF
STOUGHTON FLOOD HAZARD / WETLANDS /
WATERSHED MAPS
LATEST REV. 12-3-1976

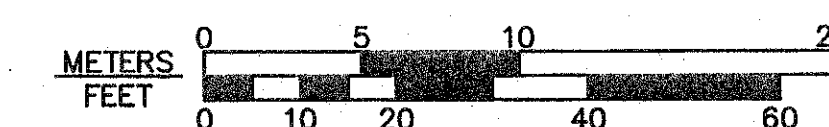


EXISTING CONDITION PLAN 437 & 449 PAGE STREET STOUGHTON, MASS.

SCALE: 1" = 20' DECEMBER 19, 2013

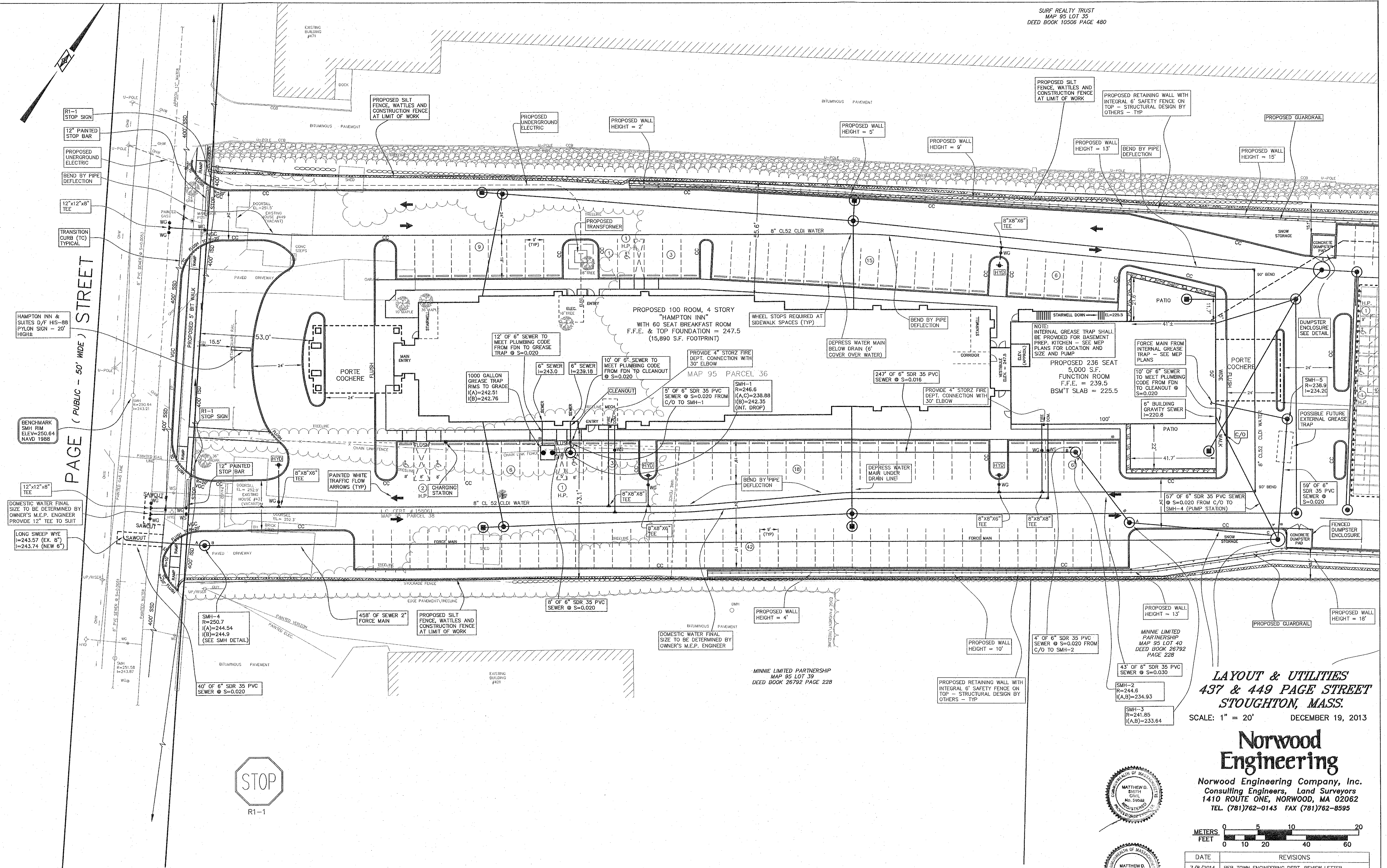
Norwood Engineering

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Consulting Engineers, Land Surveyors
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TEL. (781)762-0143 FAX (781)762-8595



DATE	REVISIONS
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6/8/2015	BASEMENT, SEW. PUMP STA, FDN DRAIN, DOORS

SURF REALTY TRUST
MAP 95 LOT 35
DEED BOOK 10506 PAGE 480



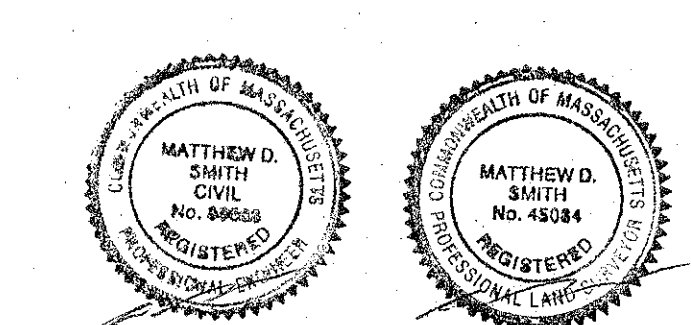
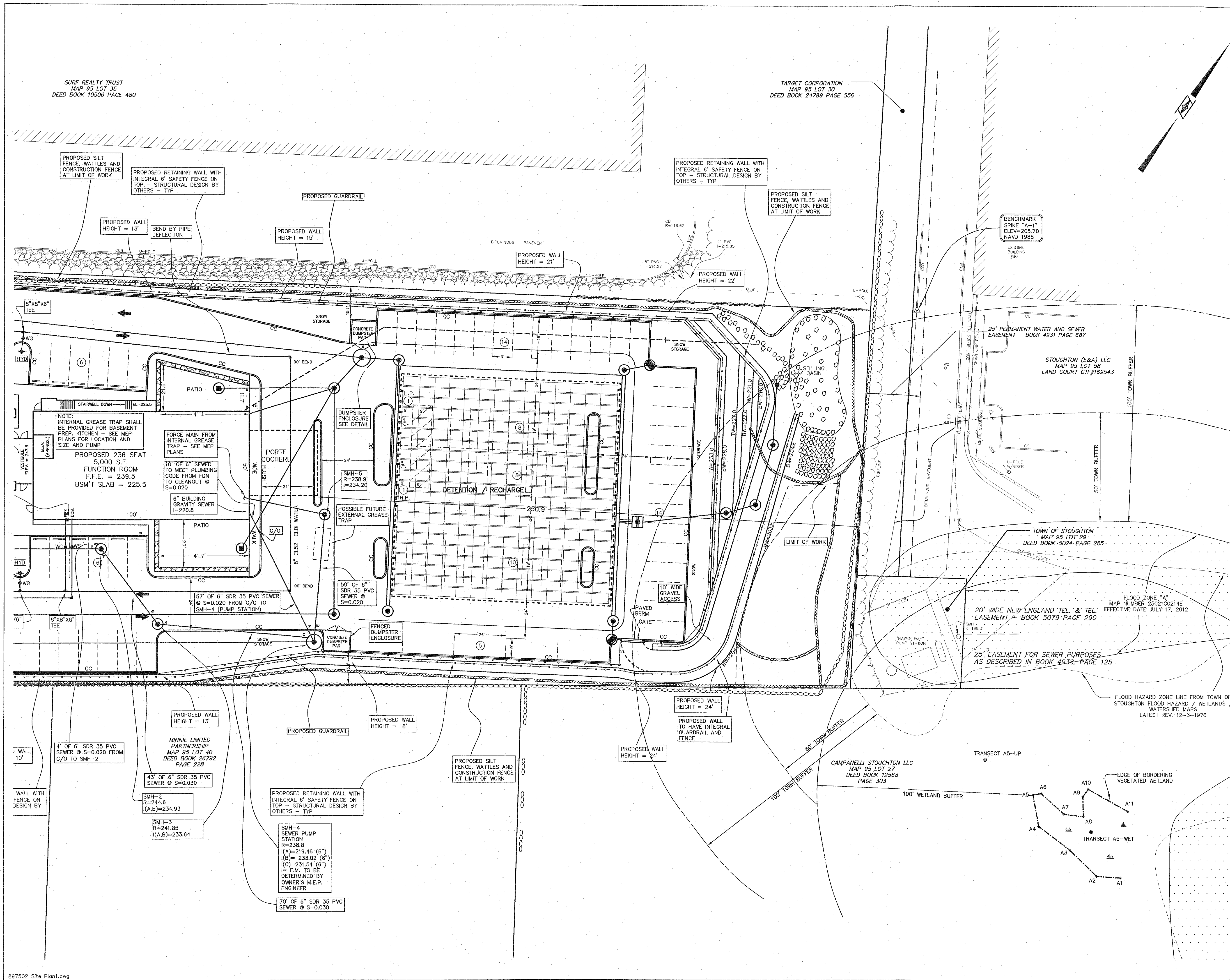
LAYOUT & UTILITIES
437 & 449 PAGE STREET
STOUGHTON, MASS.

SCALE: 1" = 20' DECEMBER 19, 2013

Norwood Engineering

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6/8/2015	BASIN, SEW. PUMP STA, FDN DRAIN, DOORS

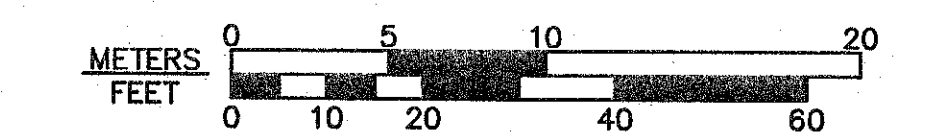


LAYOUT & UTILITIES
437 & 449 PAGE STREET
STOUGHTON, MASS.

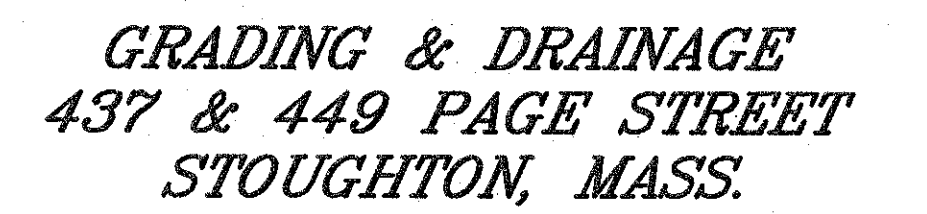
SCALE: 1" = 20' DECEMBER 19, 2013

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Norwood Engineering

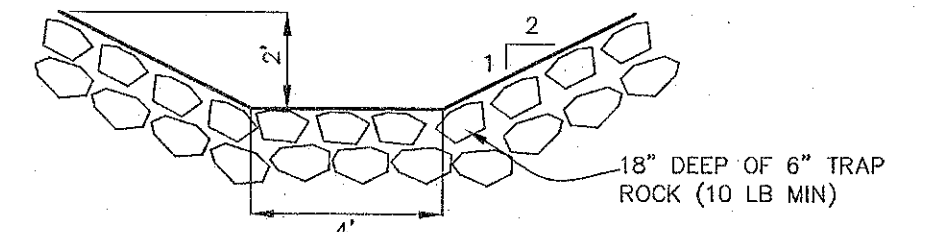
A horizontal bar model showing the conversion of 20 meters to feet. The top bar is labeled "METERS" and has segments of 0-5, 5-10, 10-15, and 15-20. The bottom bar is labeled "FEET" and has segments of 0-10, 10-20, 20-30, 30-40, 40-50, and 50-60. The 10-meter segment is shaded black and corresponds to the 30-foot segment.

SHEET 6 OF 11

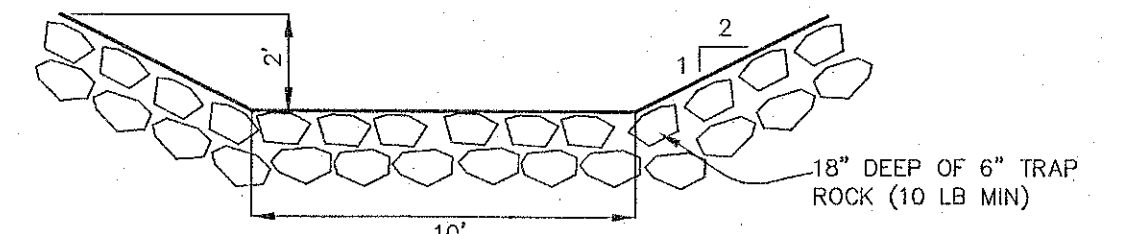
897502 Site Plan1.dwg

SURF REALTY TRUST
MAP 95 LOT 35
DEED BOOK 10506 PAGE 480

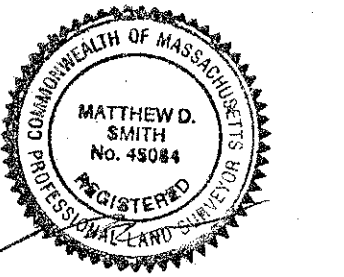
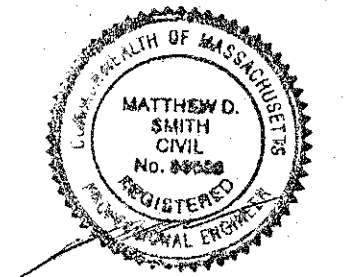
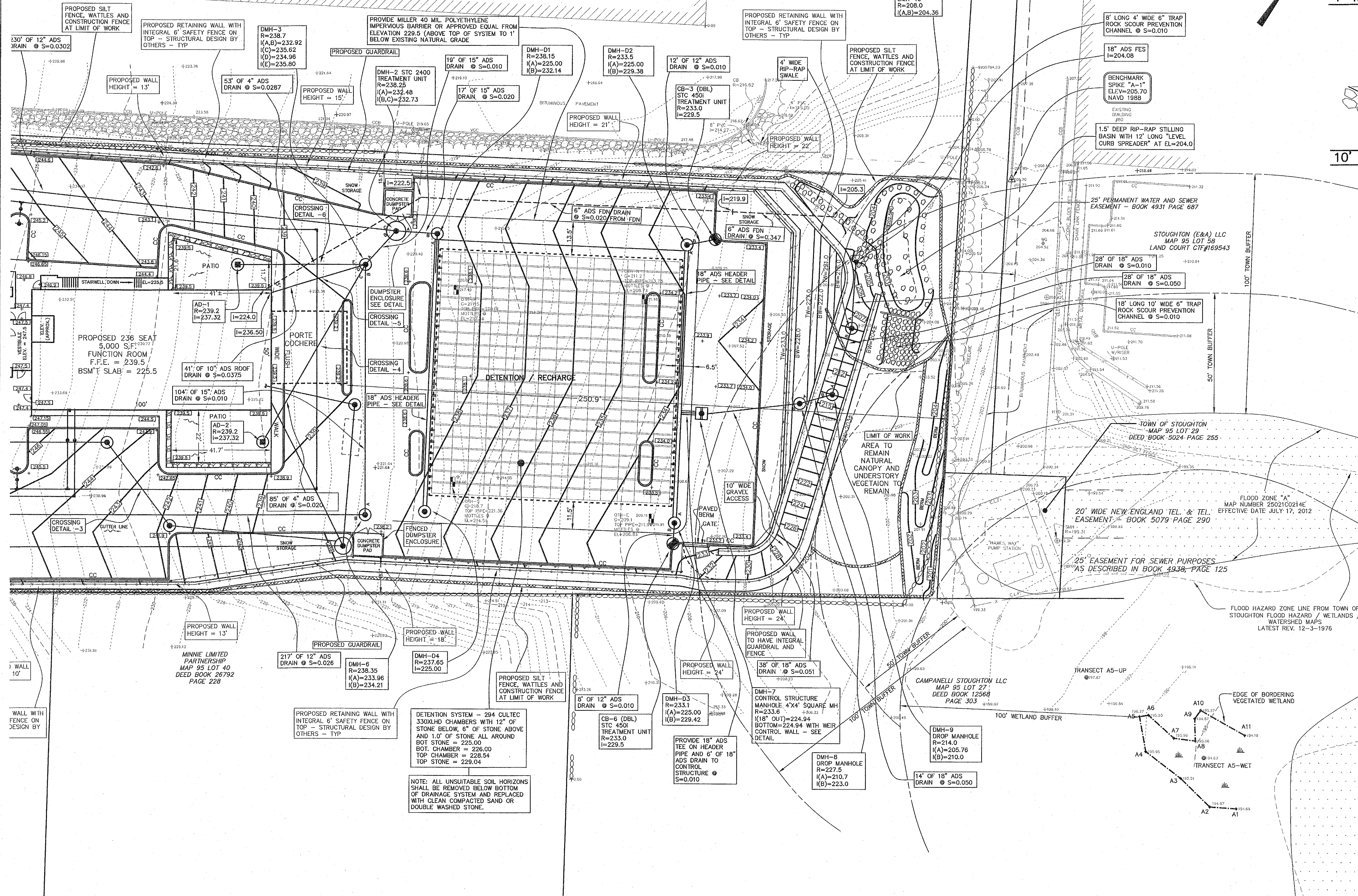
TARGET CORPORATION
MAP 95 LOT 30
DEED BOOK 24789 PAGE 556



4' WIDE SCOUR PREVENTION CHANNEL
NOT TO SCALE



10' WIDE SCOUR PREVENTION CHANNEL
NOT TO SCALE

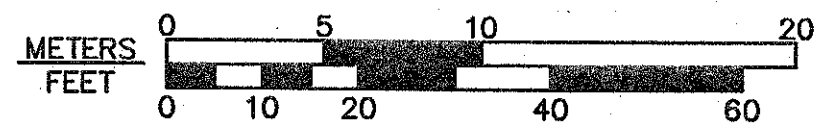


GRADING & DRAINAGE
437 & 449 PAGE STREET
STOUGHTON, MASS.

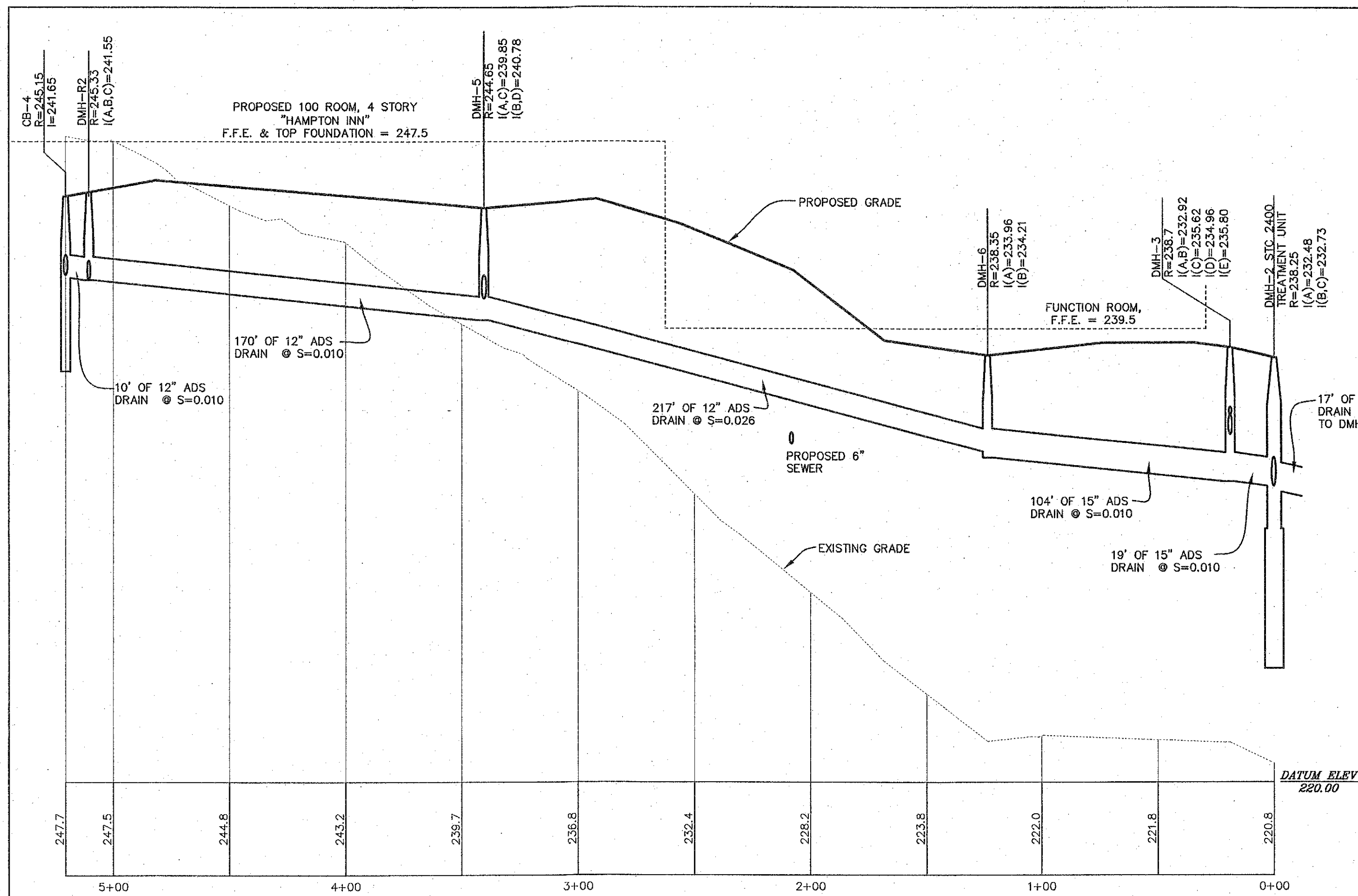
SCALE: 1" = 20' DECEMBER 19, 2013

Norwood Engineering

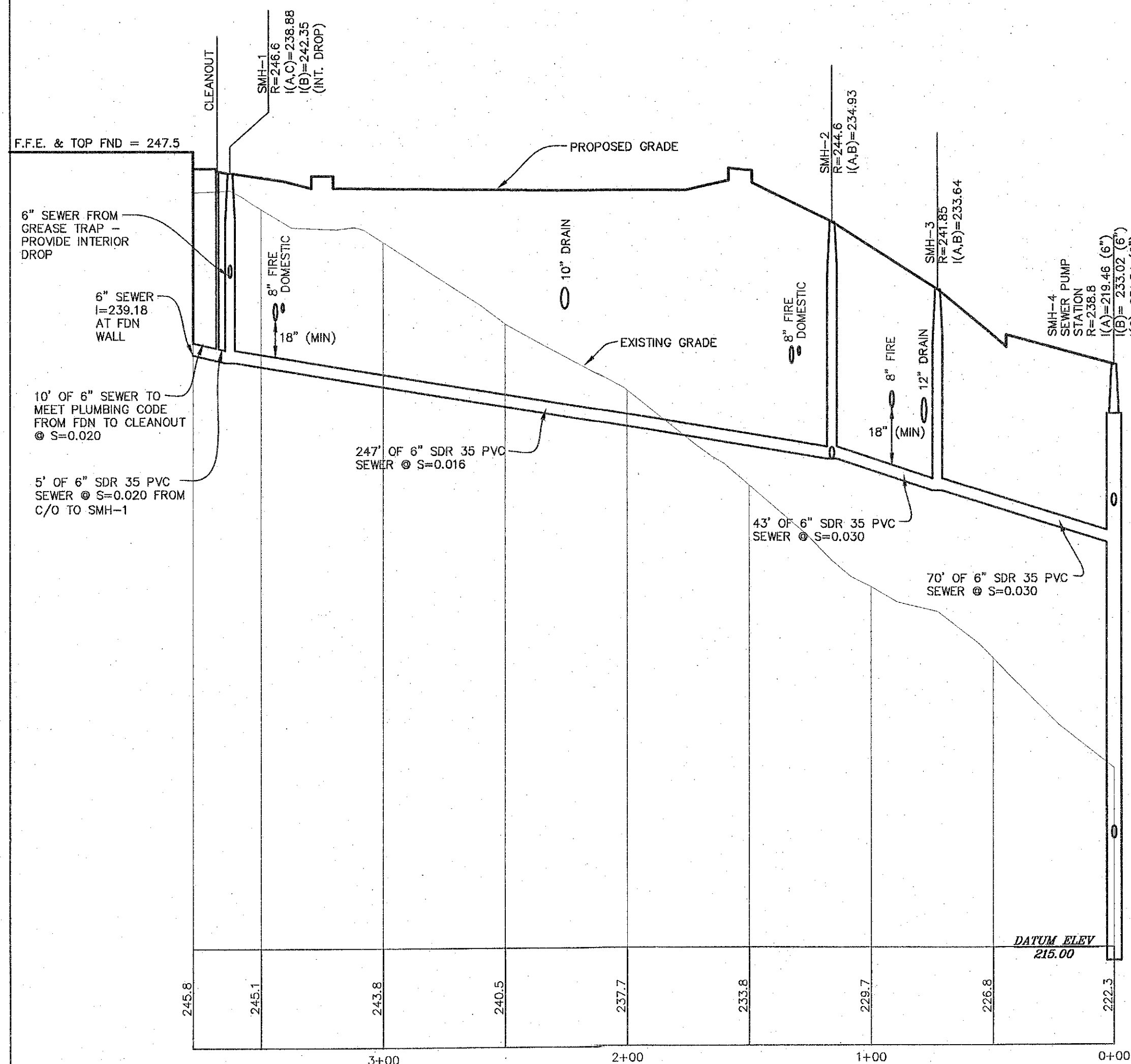
Norwood Engineering Company, Inc.
Consulting Engineers, Land Surveyors
1410 ROUTE ONE, NORWOOD, MA 02062
TEL. (781)762-0143 FAX (781)762-8595



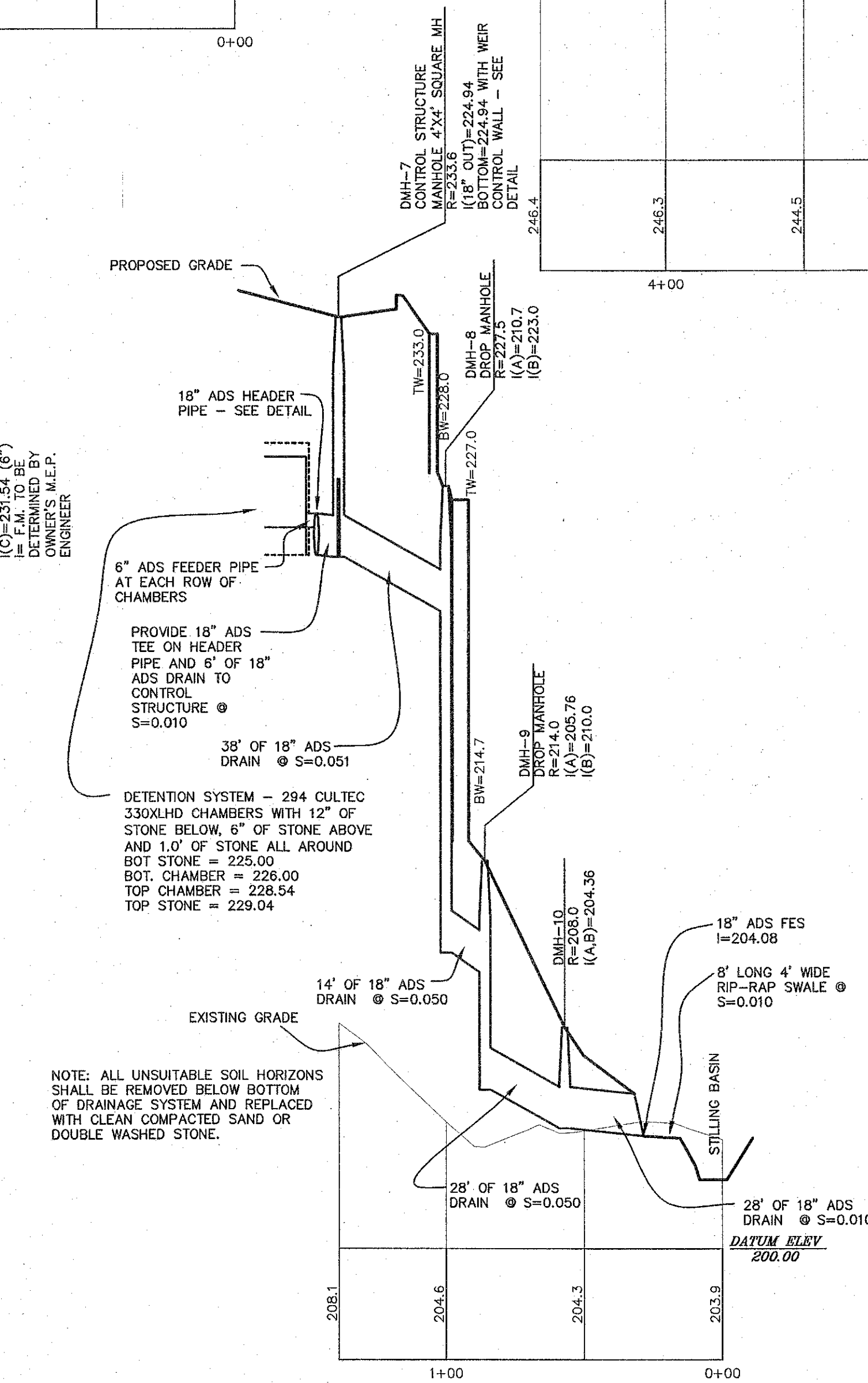
DATE	REVISIONS
7/8/2014	PER TOWN ENGINEERING DEPT. REVIEW LETTER
8/21/2014	BASIN ACCESS ROAD, SITE LINES
10/1/2014	CHARGING STATION
6/8/2015	BASEMENT, SEW. PUMP STA, FDN DRAIN, DOORS



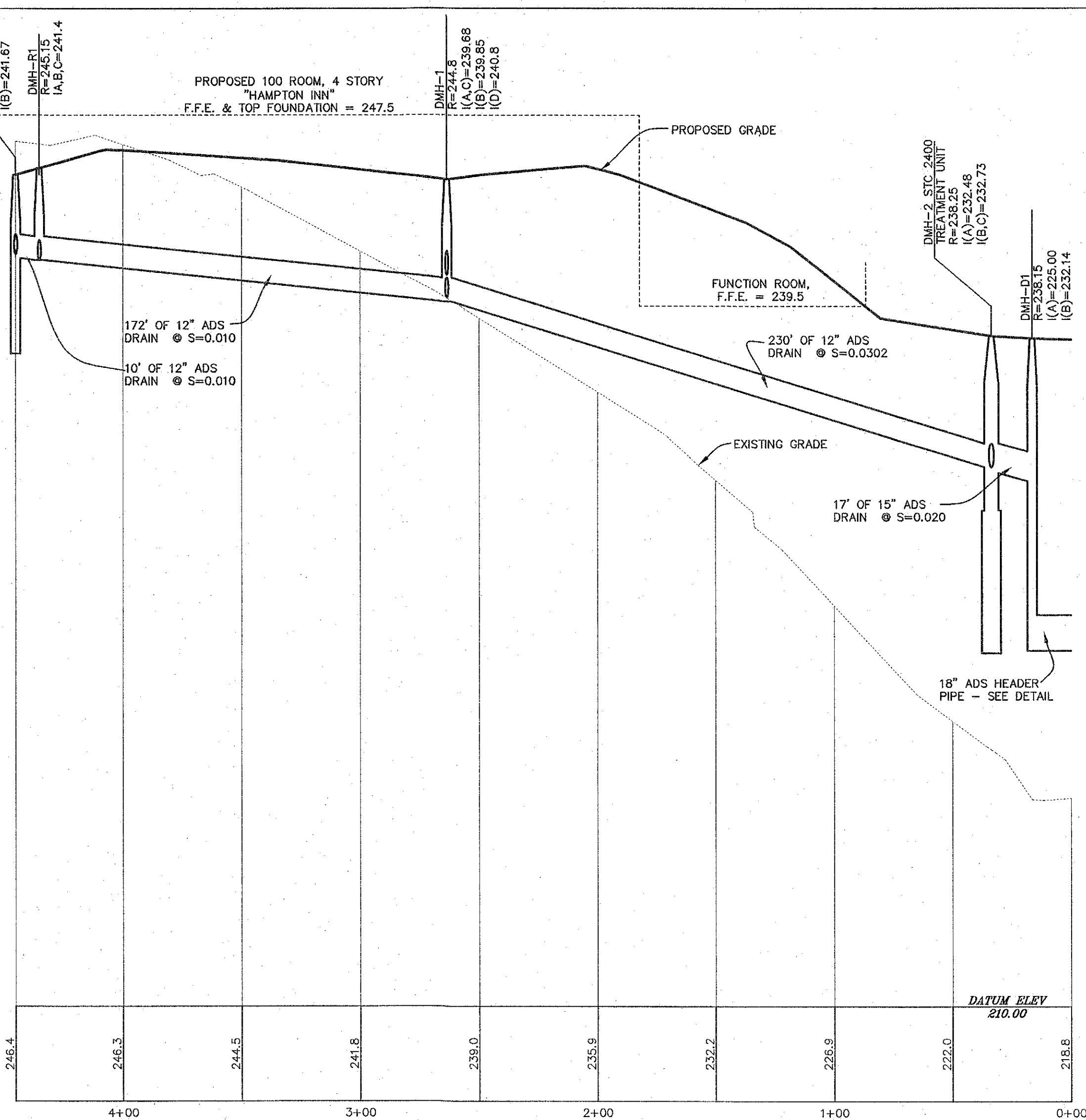
DRAIN PROFILE #1
SCALE: 1" = 40' (HORIZ.)
1" = 4' (VERT.)



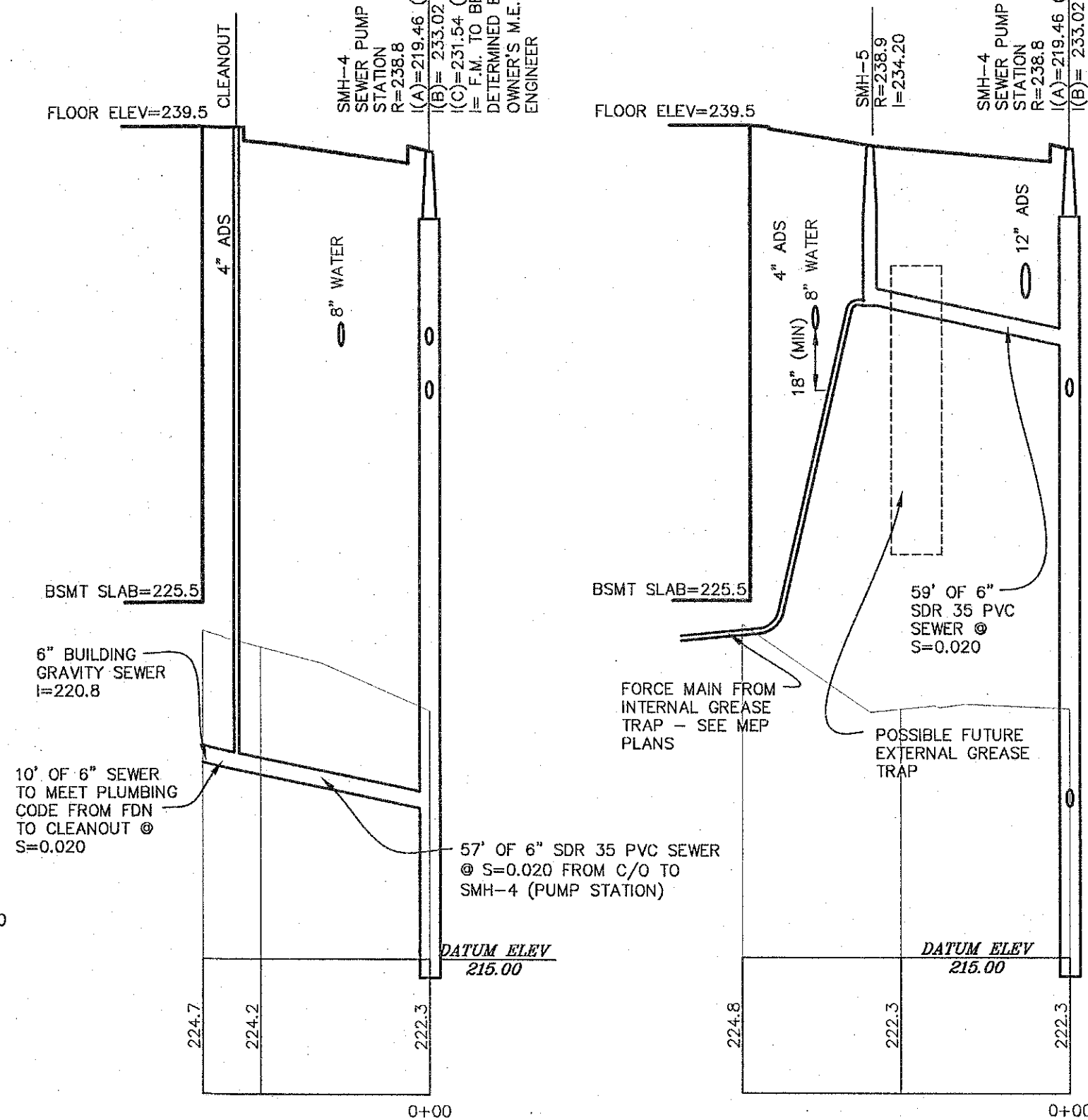
SEWER PROFILE #1
SCALE: 1" = 40' (HORIZ.)
1" = 4' (VERT.)



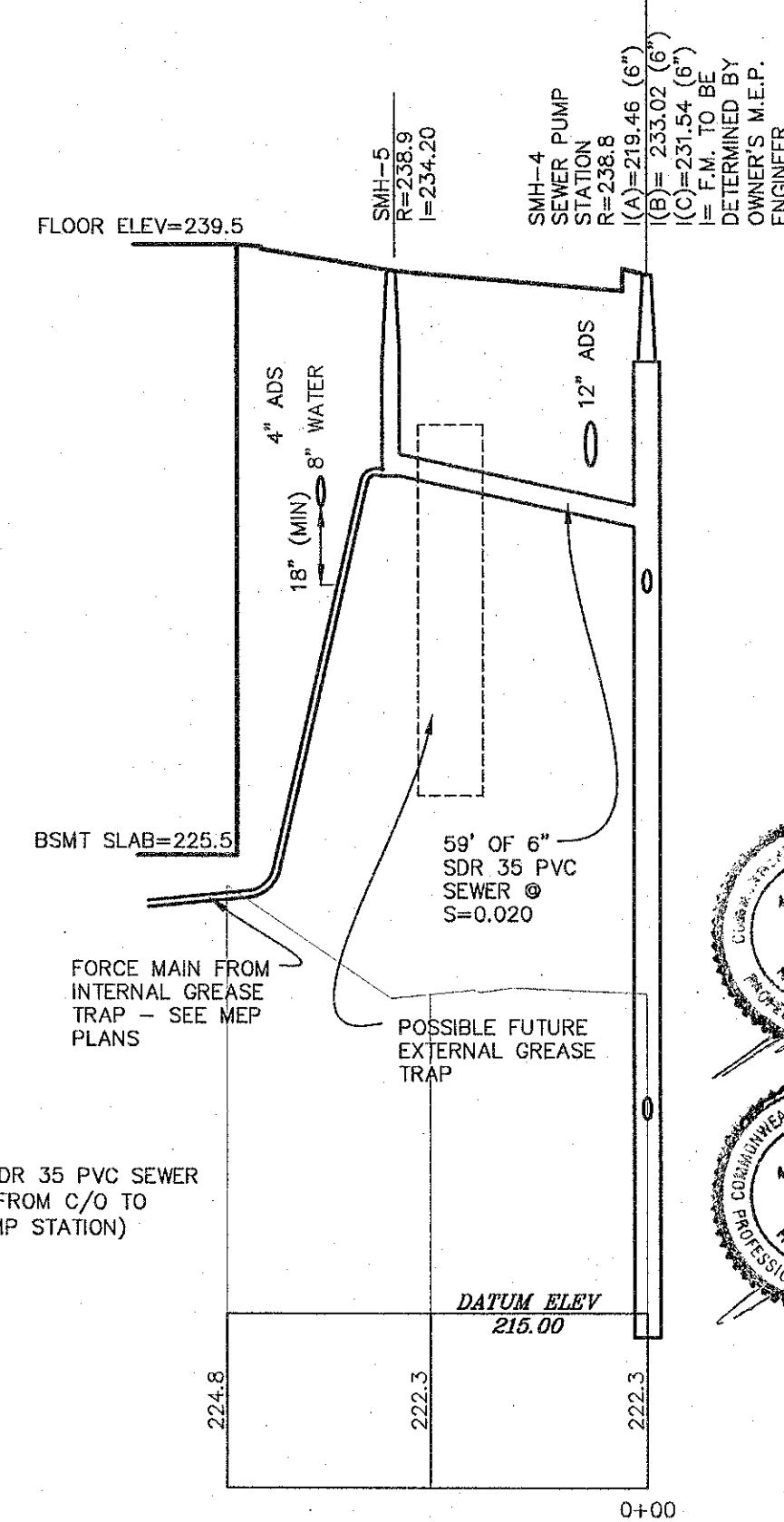
DRAIN PROFILE #3
SCALE: 1" = 40' (HORIZ.)
1" = 4' (VERT.)



DRAIN PROFILE #2
SCALE: 1" = 40' (HORIZ.)
1" = 4' (VERT.)

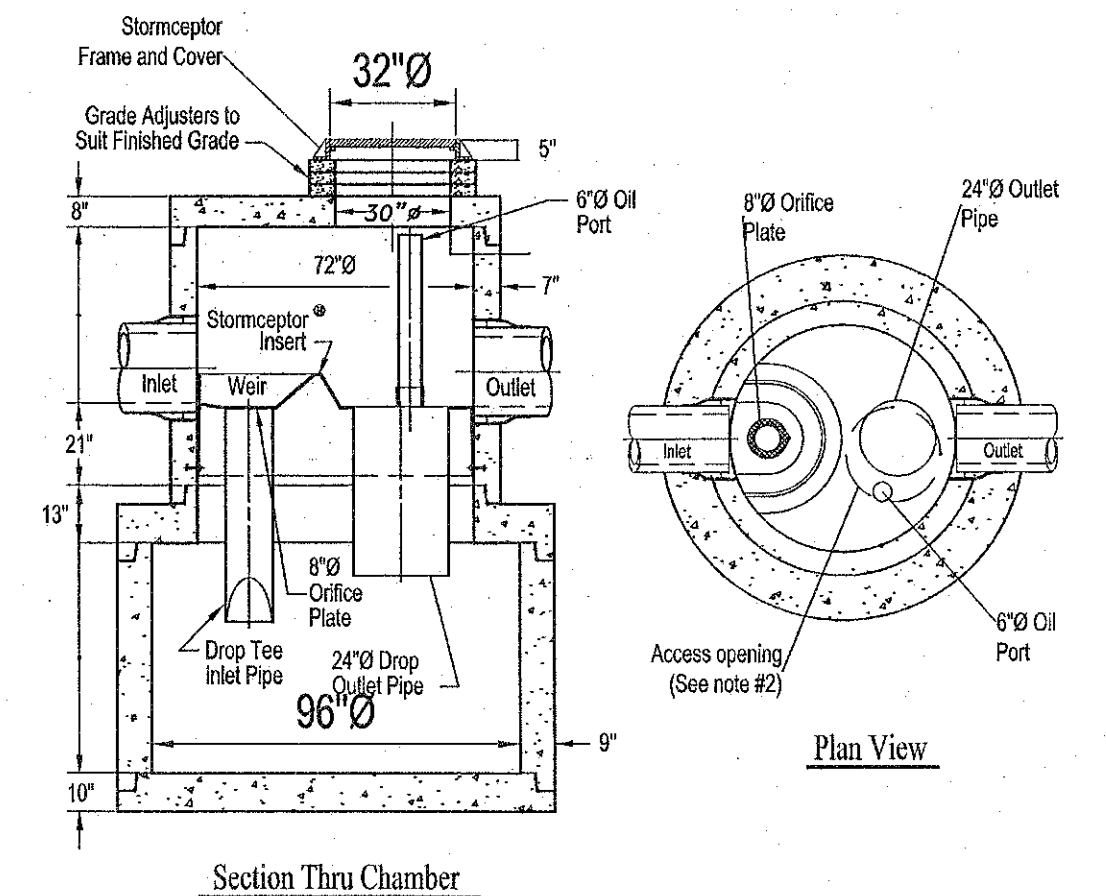


SEWER PROFILE #3
SCALE: 1" = 40' (HORIZ.)
1" = 4' (VERT.)



SEWER PROFILE #2
SCALE: 1" = 40' (HORIZ.)
1" = 4' (VERT.)

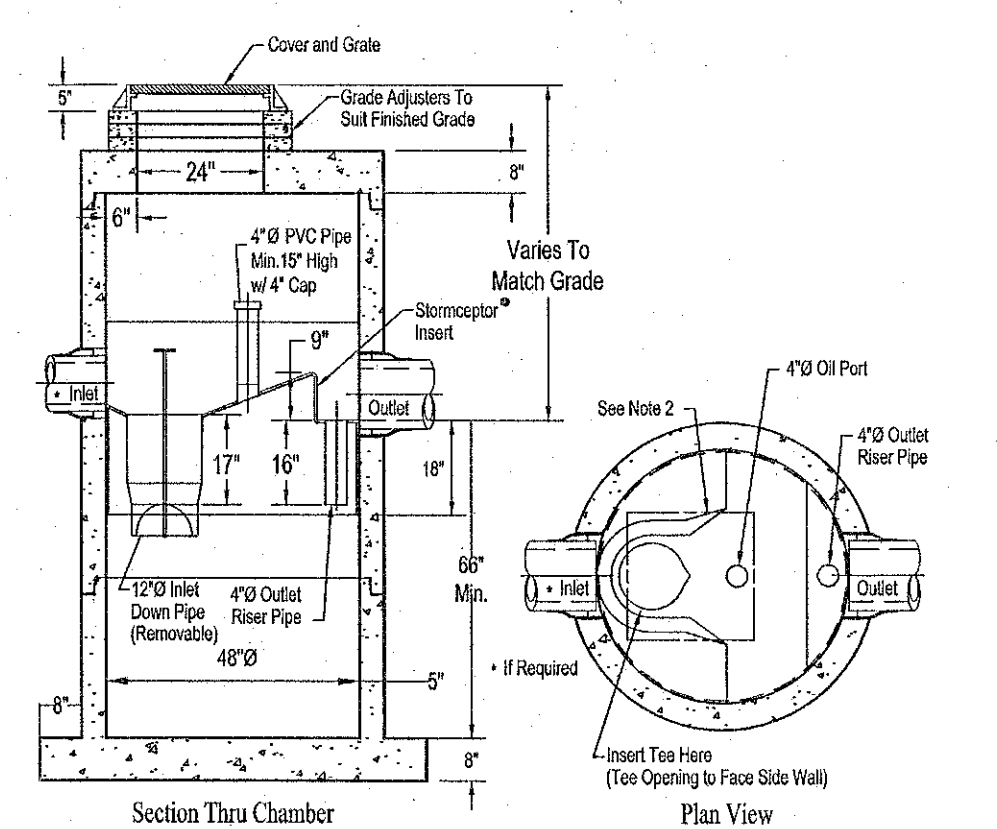
STC 2400 Precast Concrete Stormceptor®
(2400 U.S. Gallon Capacity)



- Notes:
1. The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
 2. The Cover Should be Positioned Over The Outlet Drop Pipe and The Oil Port.
 3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
 4. Contact a Concrete Pipe Division representative for further details not listed on this drawing.

Rinker 031

STC 4500 Precast Concrete Stormceptor®
(4500 U.S. Gallon Capacity)



- Notes:
1. The Use Of Flexible Connection is Recommended at The Inlet and Outlet Where Applicable.
 2. The Cover Should be Positioned Over The Inlet Drop Pipe and The Oil Port.
 3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115, #5849181, #6068765, #6371690.
 4. Contact a Concrete Pipe Division representative for further details not listed on this drawing.

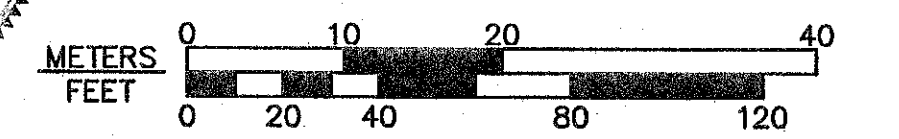
Rinker 027

PROFILES
437 & 449 PAGE STREET
STOUGHTON, MASS.

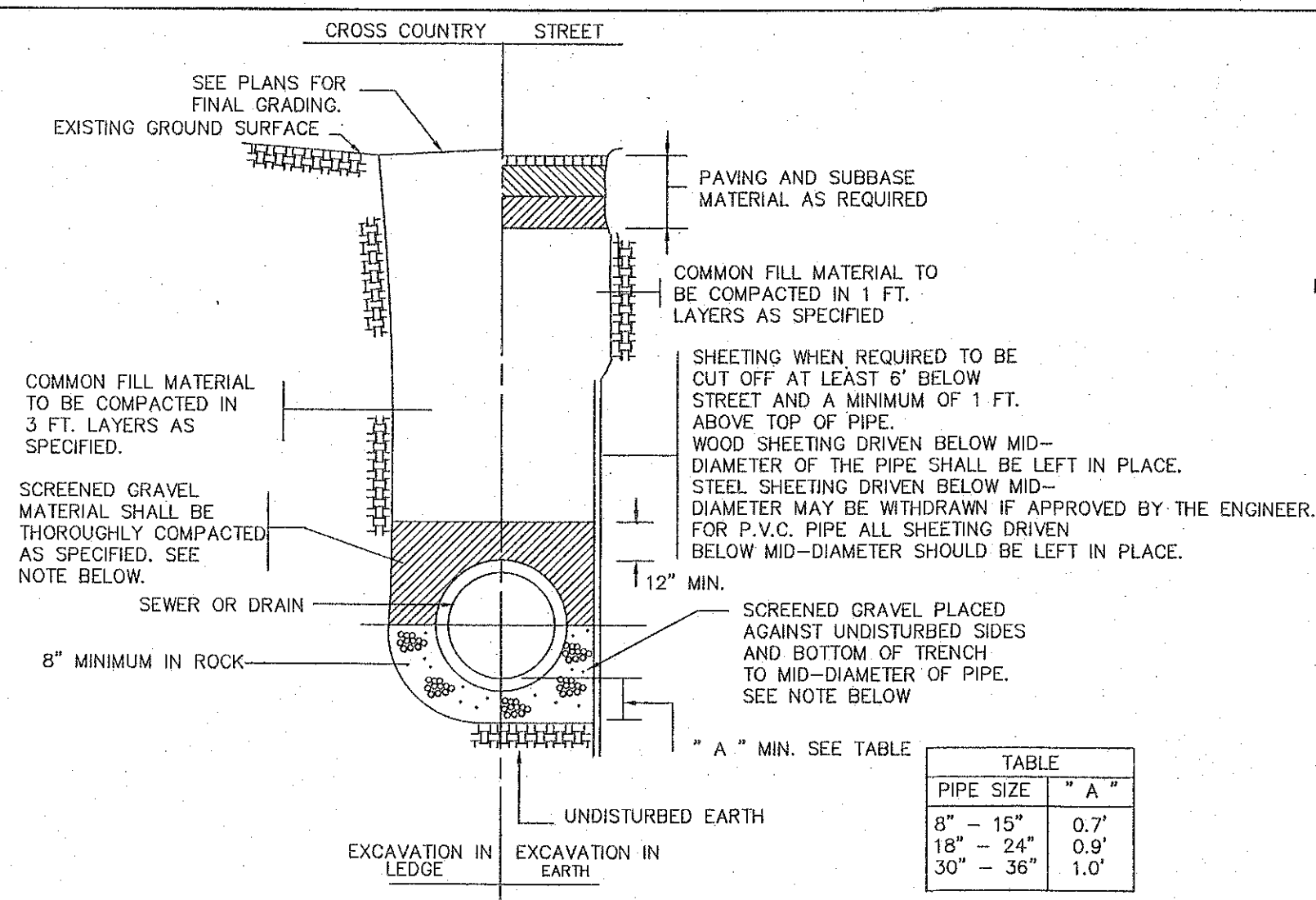
SCALE: AS NOTED DECEMBER 19, 2013

Norwood Engineering

Norwood Engineering Company, Inc.
Consulting Engineers, Land Surveyors
1410 ROUTE ONE, NORWOOD, MA 02062
TEL. (781)762-0143 FAX (781)762-8595

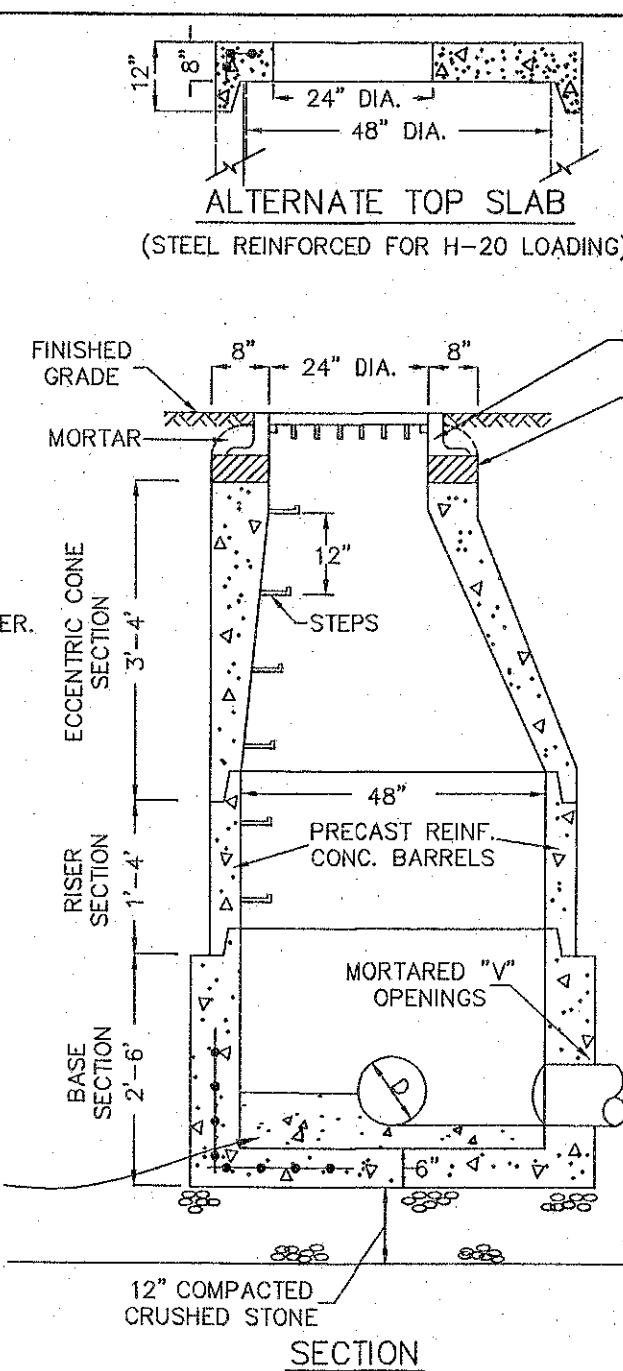


DATE	REVISIONS
7/8/2014	PER TOWN ENGINEERING DEPT. REVIEW LETTER
8/21/2014	BASIN ACCESS ROAD, SITE LINES
10/1/2014	CHARGING STATION
6/8/2015	BASEMENT, SEW. PUMP STA, FDN DRAIN, DOORS



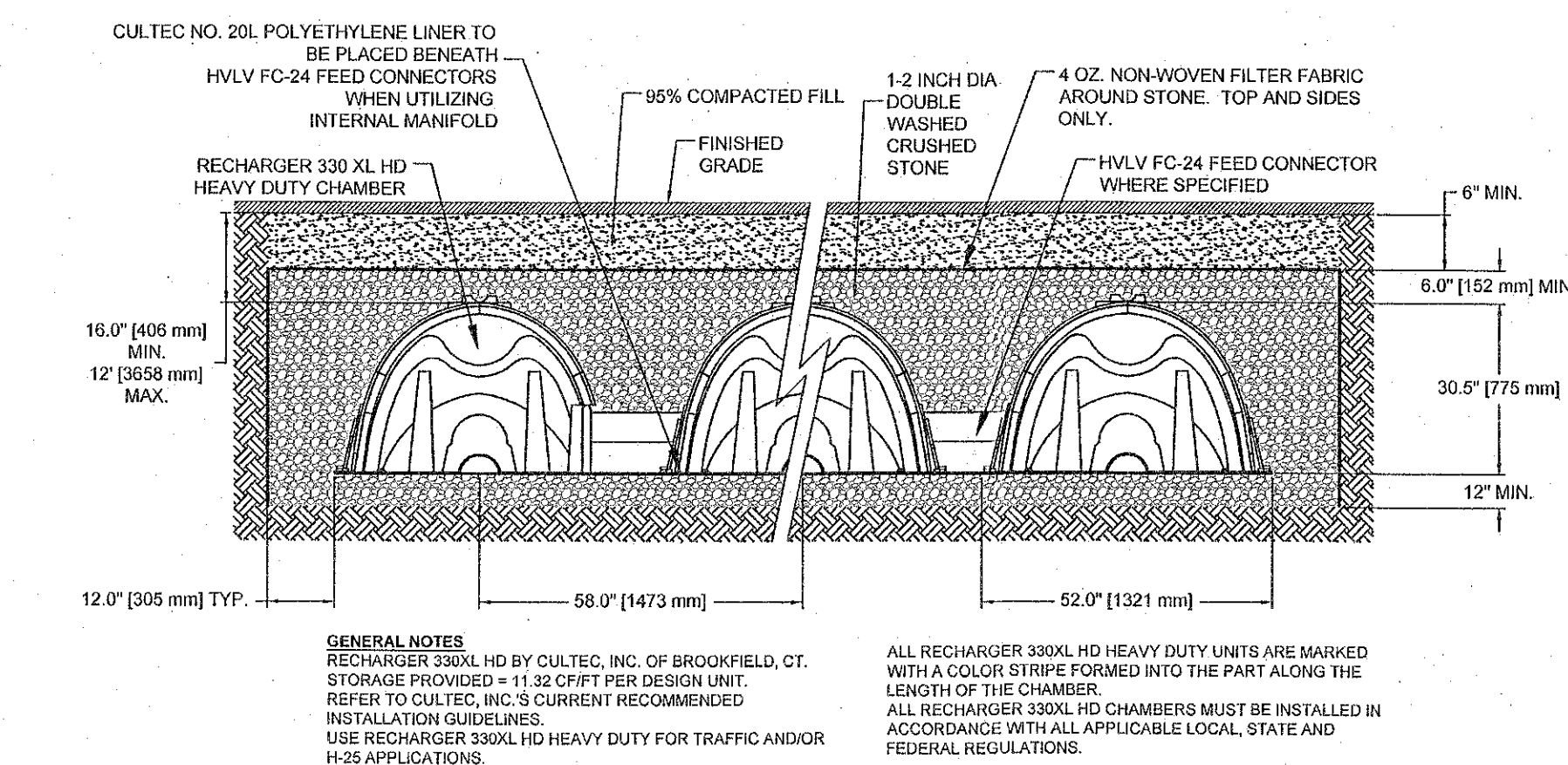
- NOTES:
- FOR P.V.C. PIPE SCREENED GRAVEL TO EXTEND TO 12" ABOVE TOP OF PIPE.
 - PROVIDE AT LEAST ONE DAM IN GRAVEL BEDDING BETWEEN EACH MANHOLE WHERE DIRECTED OR

TYPICAL TRENCH DETAIL FOR SEWER & DRAIN
NOT TO SCALE



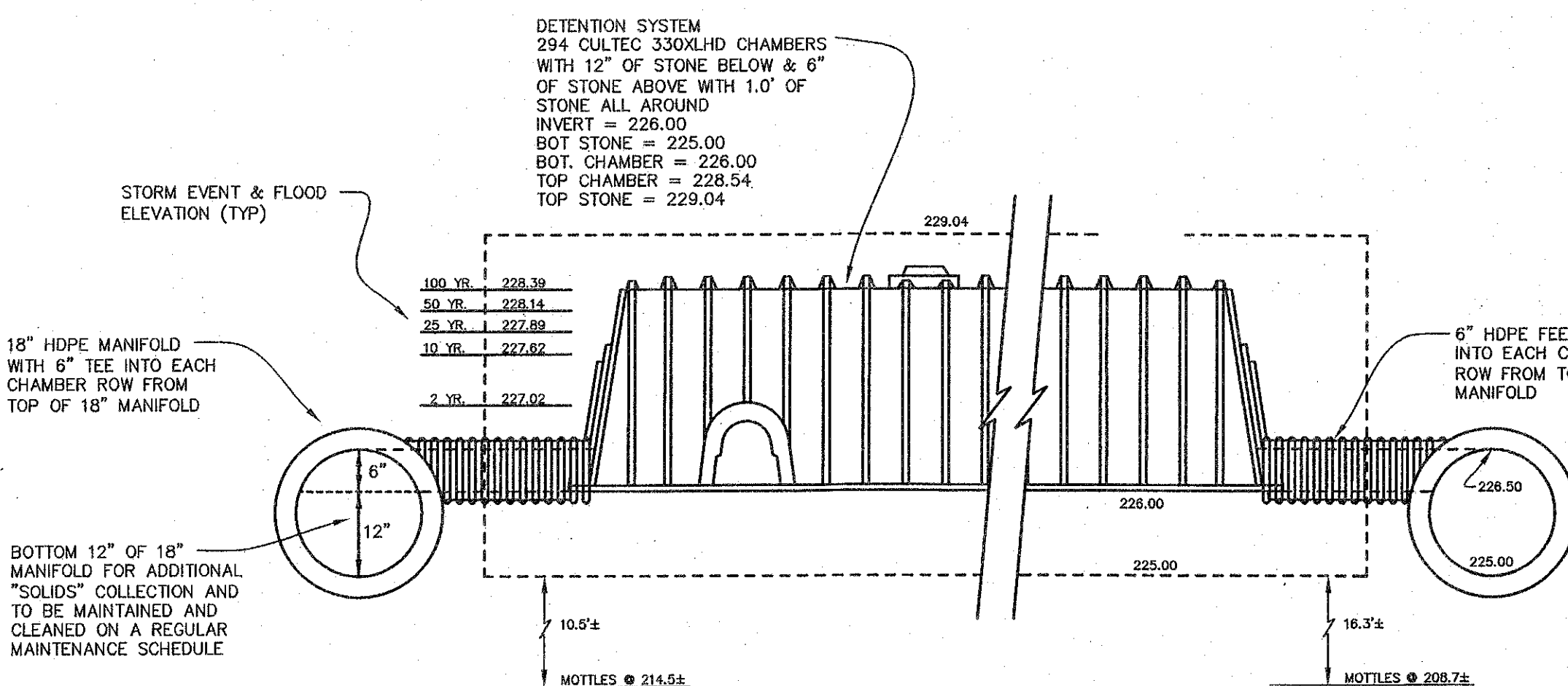
48\"/>

- CONSTRUCTION NOTE
- DRAIN MANHOLES AND CATCH BASINS MAY REQUIRE TOP SLABS IN LIEU OF CONE SECTIONS AS WELL AS 4 INCH CASTINGS IN LIEU OF 8 INCH CASTINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE PROPER PRECAST SECTIONS AND CASTINGS TO MAKE UP THE MANHOLES TO MEET THE GRADES SHOWN ON THE PLAN.

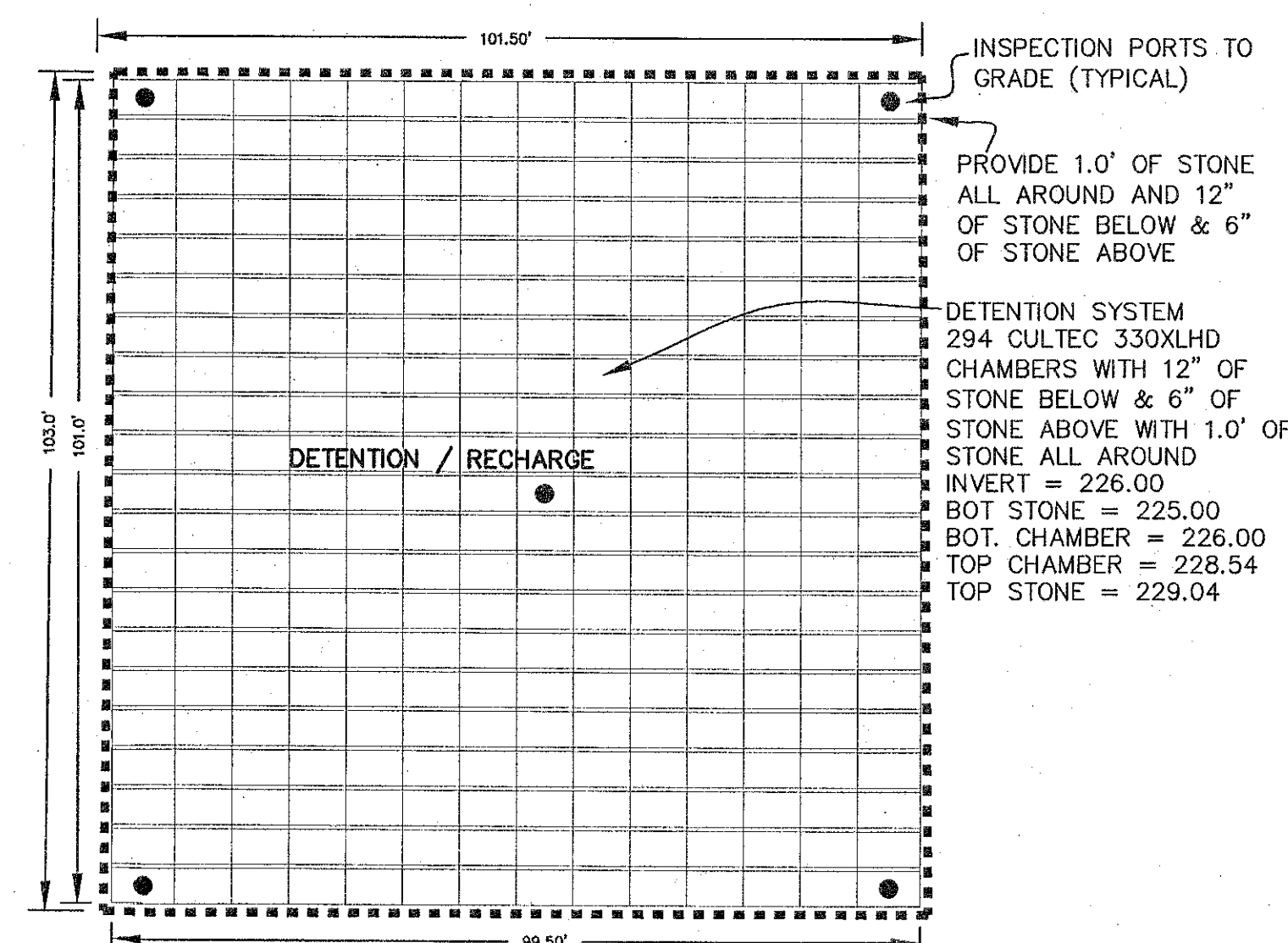


TYPICAL RECHARGE FACILITY SECTION
NOT TO SCALE

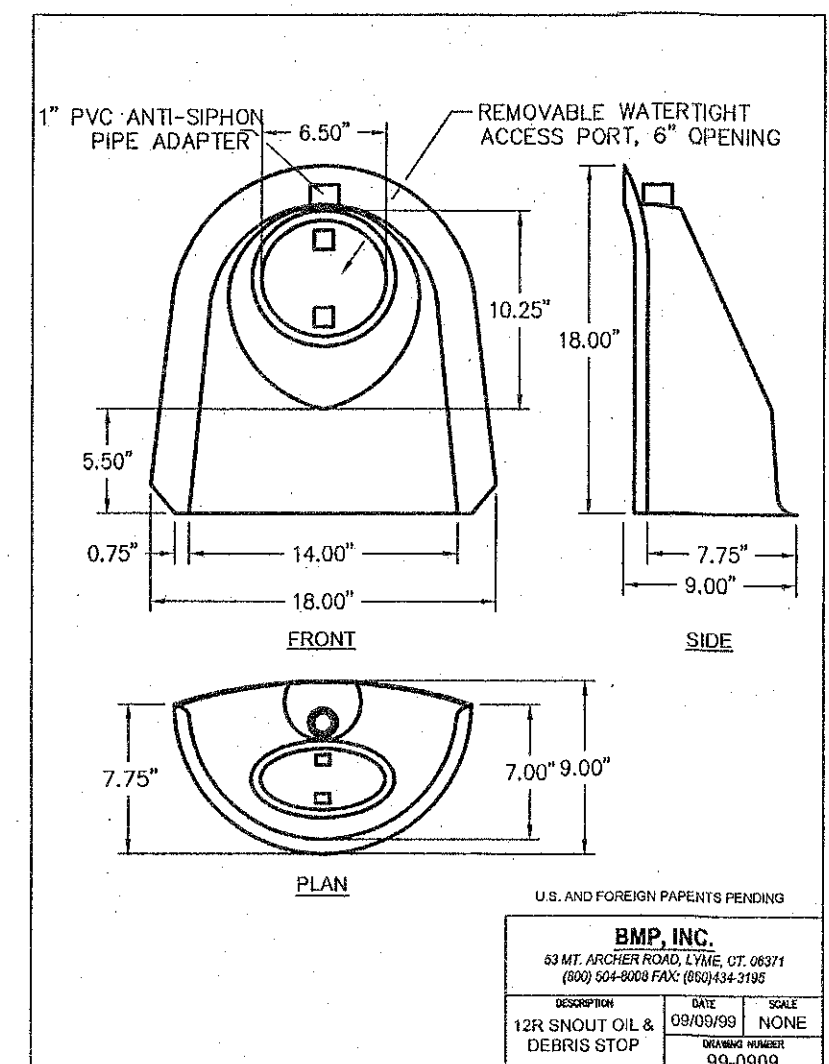
NOTE: ALL UNSUITABLE SOIL HORIZONS SHALL BE REMOVED BELOW BOTTOM OF DRAINAGE SYSTEM AND REPLACED WITH CLEAN COMPACTED SAND OR DOUBLE WASHED STONE.



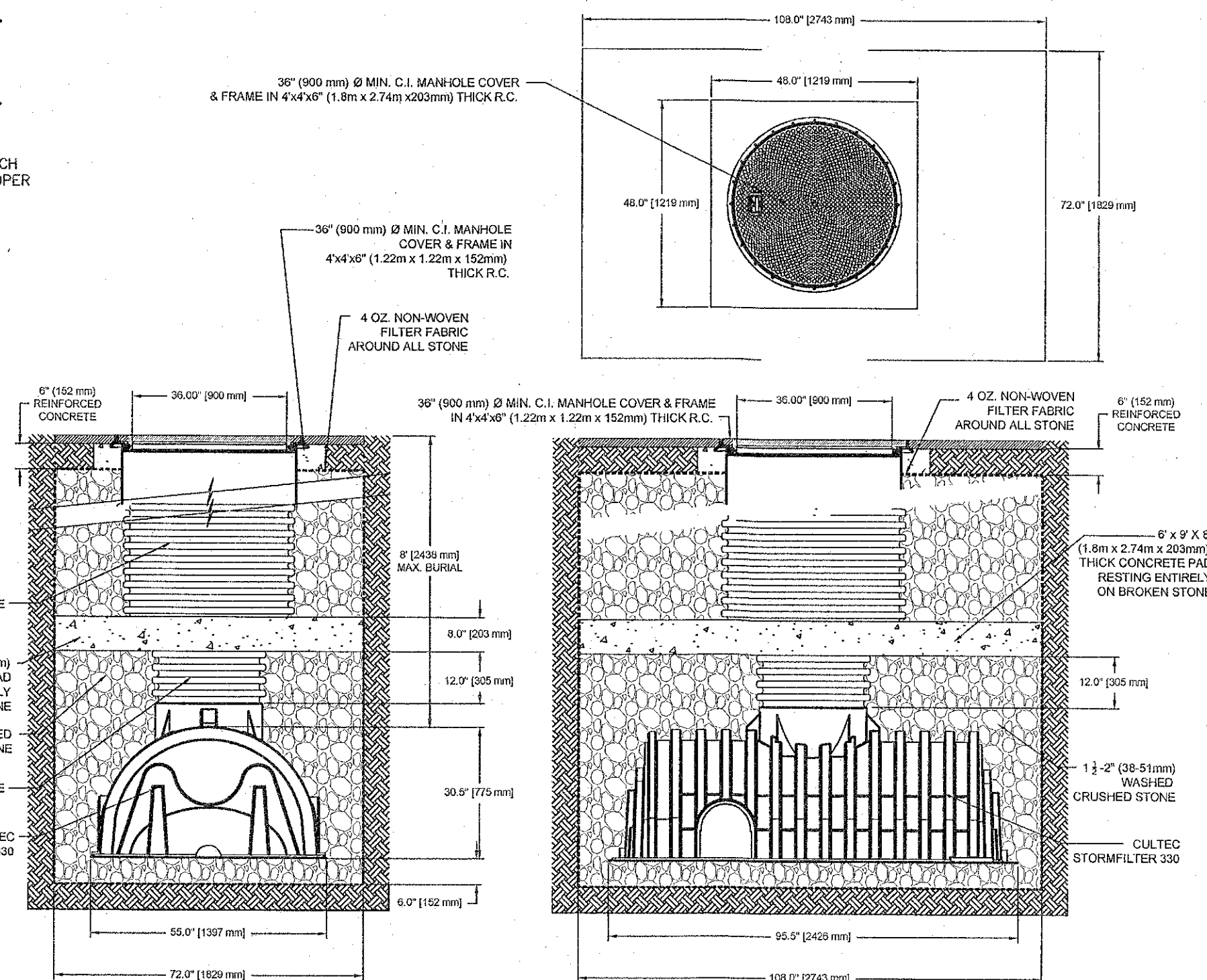
RECHARGE CHAMBERS SCHEMATIC SECTION WITH MANIFOLD
NOT TO SCALE



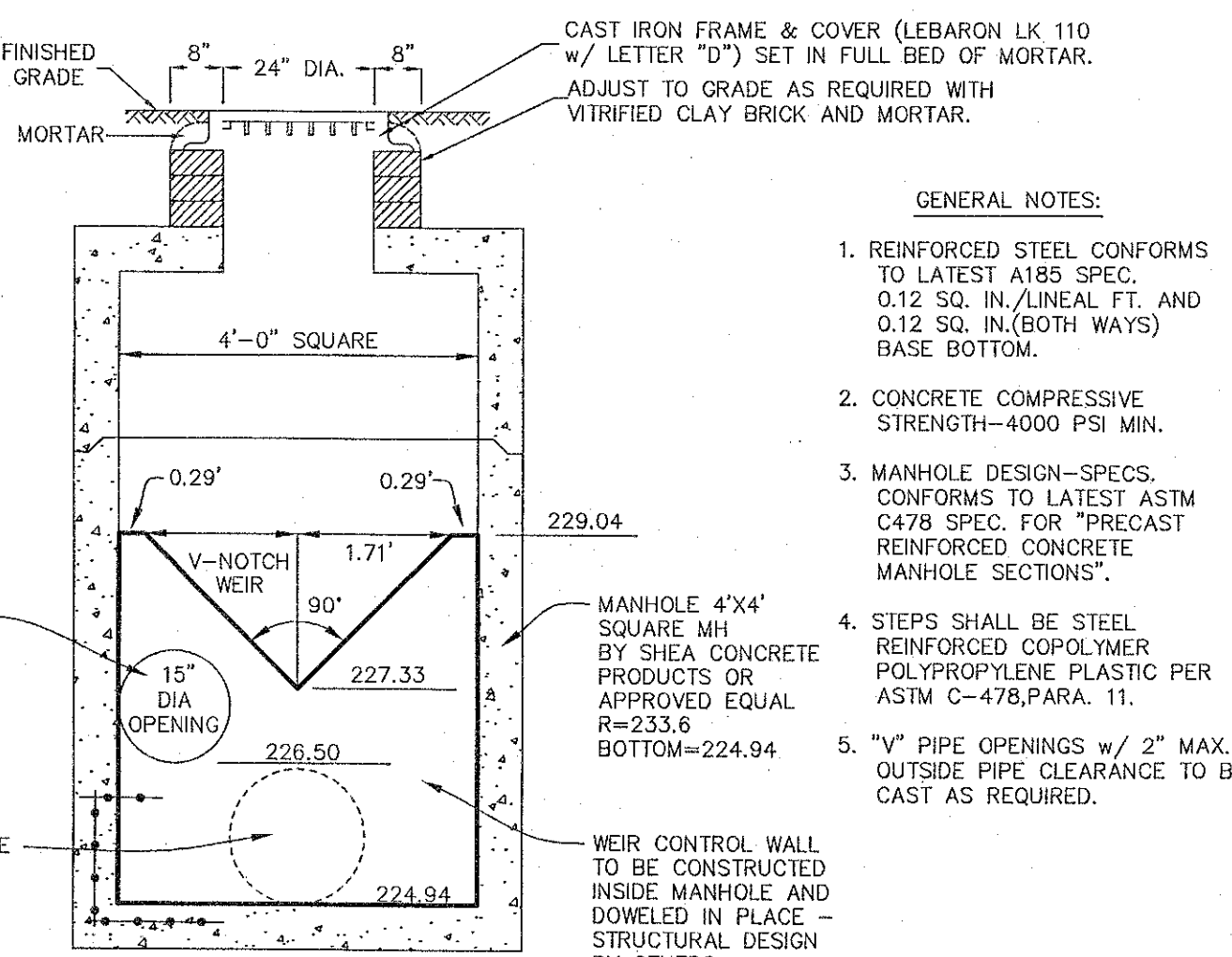
294 RECHARGE CHAMBERS (21 ROWS OF 14)
NOT TO SCALE



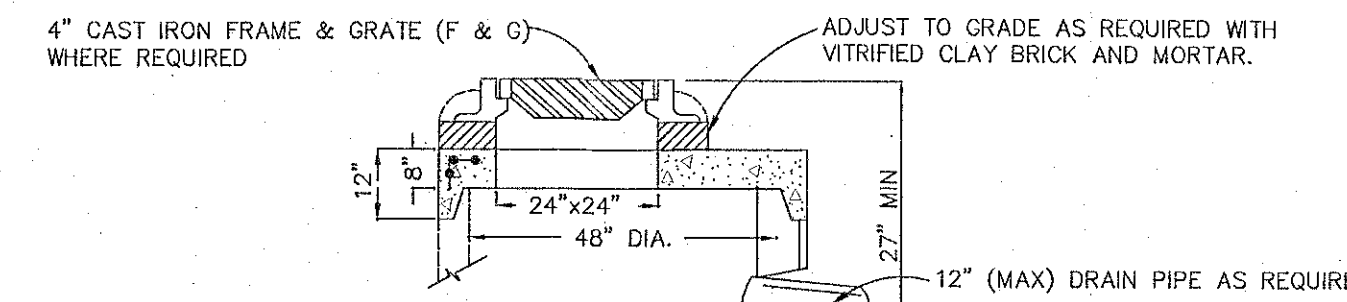
NOTE: INSTALL SNUOTS ON ALL CATCH BASINS EXISTING AND PROPOSED.



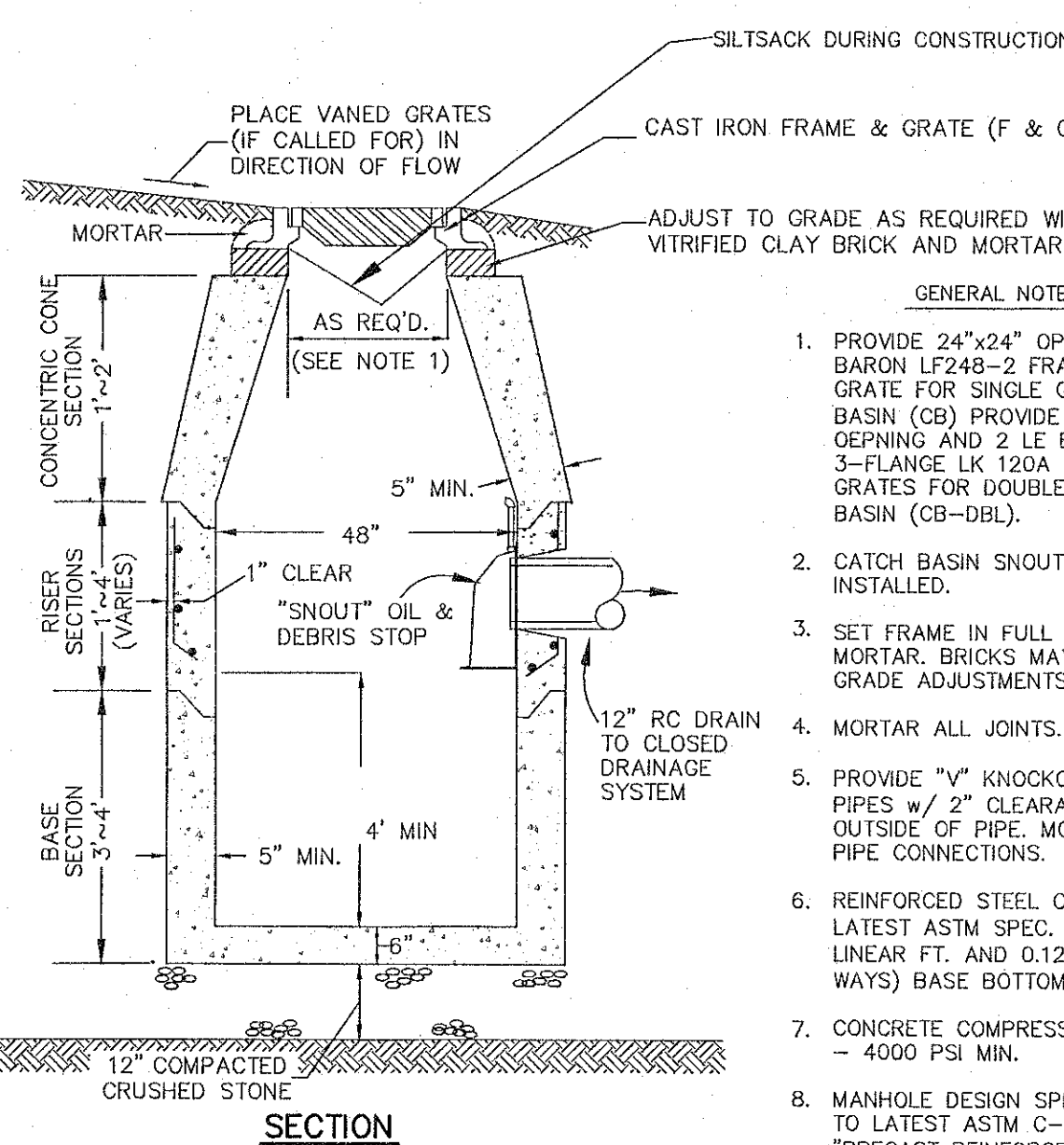
CULTEC STORMFILTER 330 PAVED TRAFFIC DETAIL
NOT TO SCALE



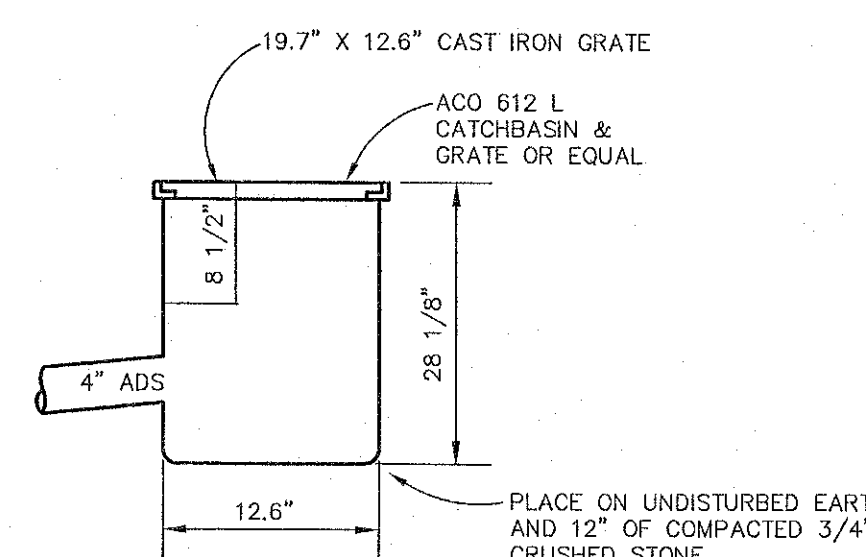
WEIR CONTROL WALL DETAIL
NOT TO SCALE



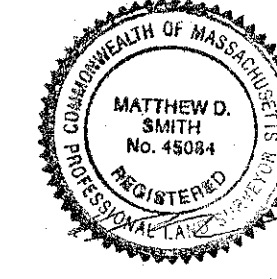
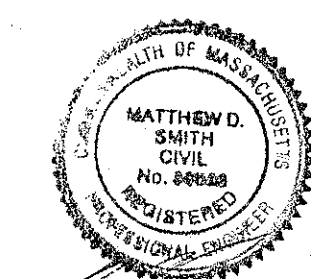
ALTERNATE TOP SLAB FOR SHALLOW INVERTS
(STEEL REINFORCED FOR H-20 LOADING)



CATCH BASIN (CB) & DOUBLE GRATE CATCH BASIN (CB-DBL)
NOT TO SCALE



AREA DRAIN (AD)
NOT TO SCALE



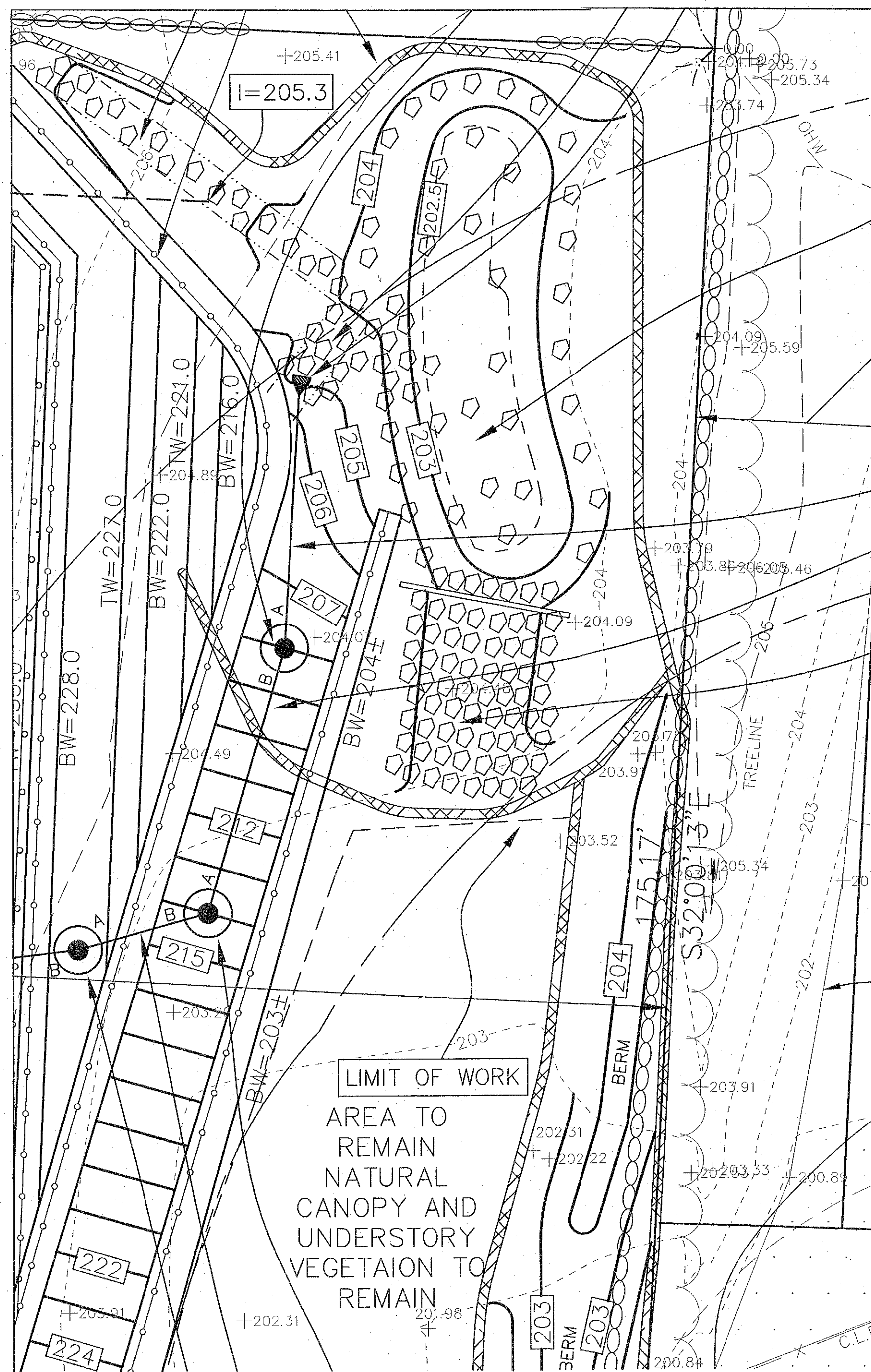
DETAILS
437 & 449 PAGE STREET
STOUGHTON, MASS.

SCALE: 1" = 20' DECEMBER 19, 2013

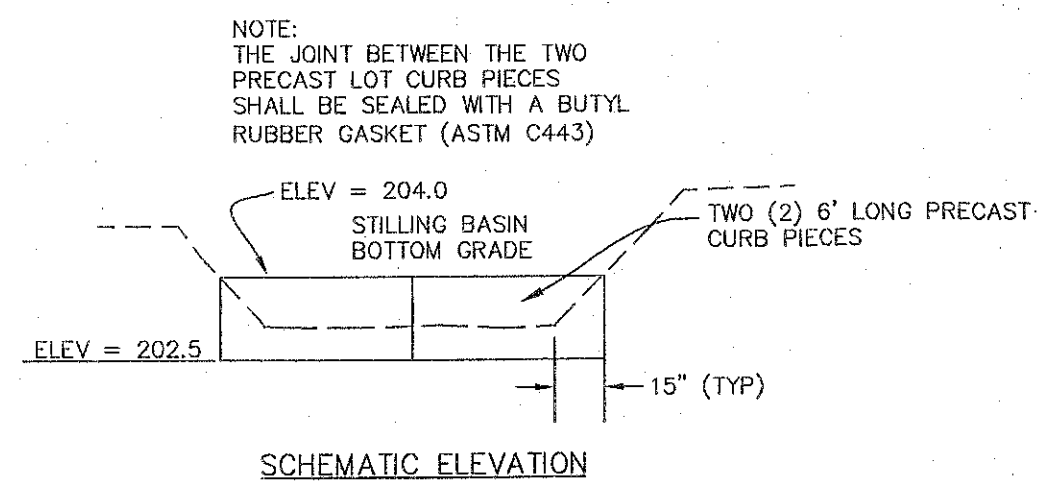
Norwood Engineering

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Consulting Engineers, Land Surveyors
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TEL. (781)762-0143 FAX (781)762-8595

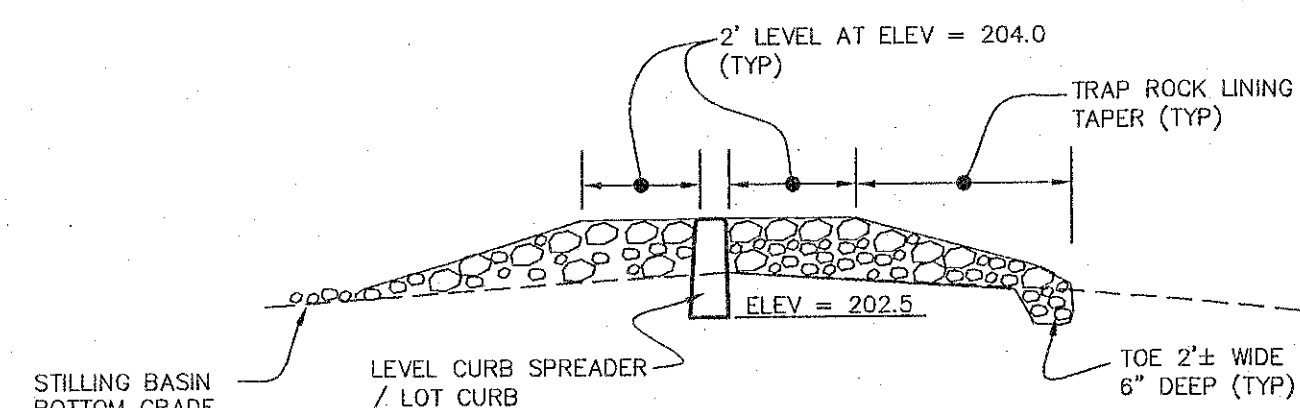
DATE	REVISIONS
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10/1/2014	CHARGING STATION
6/8/2015	BASEMENT, SEW. PUMP STA, FDN DRAIN, DOORS



STILLING BASIN ENLARGEMENT PLAN
SCALE 1" = 10'



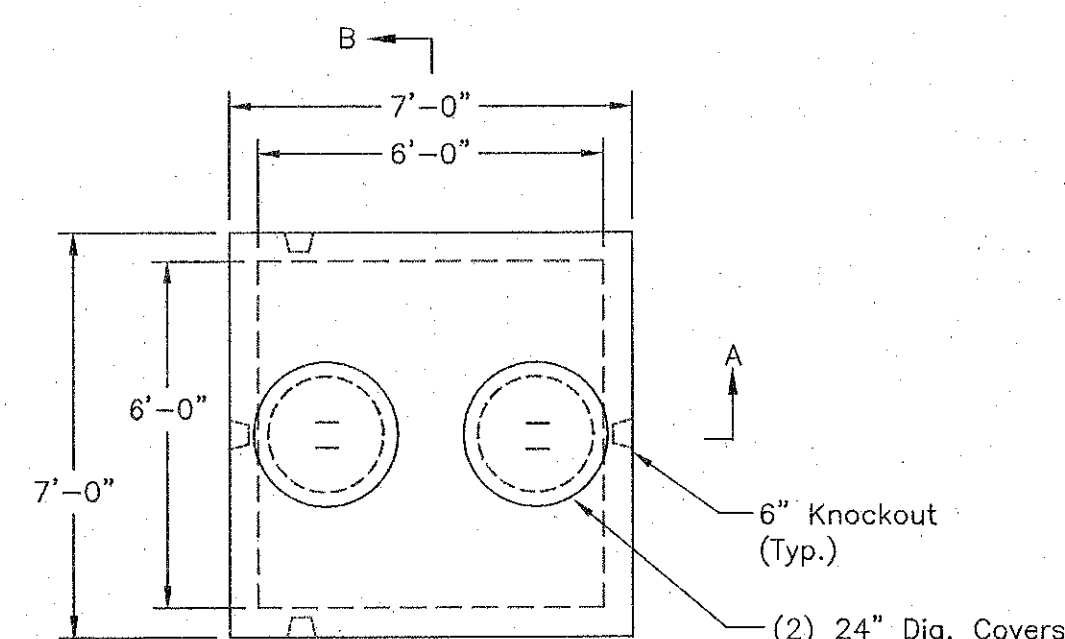
SCHEMATIC ELEVATION



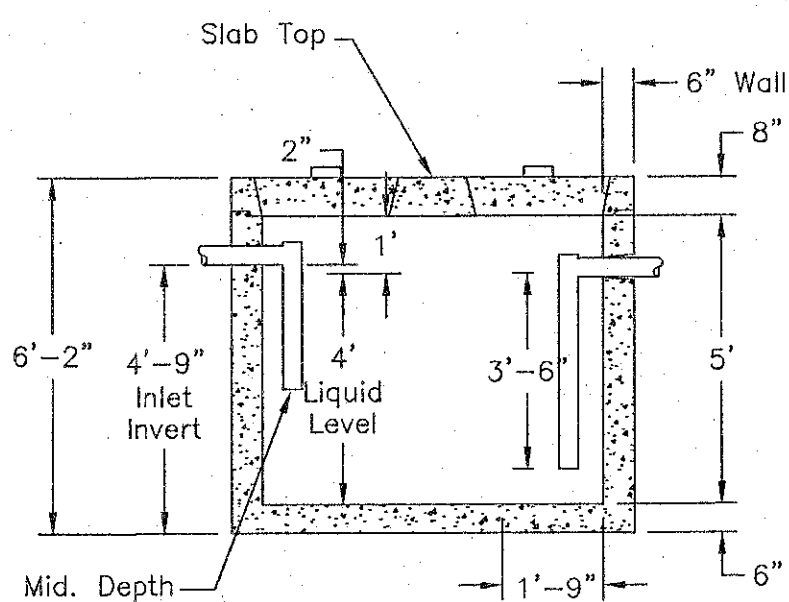
SCHEMATIC SECTION

LEVEL CURB SPREADER SCHEMATIC DETAIL

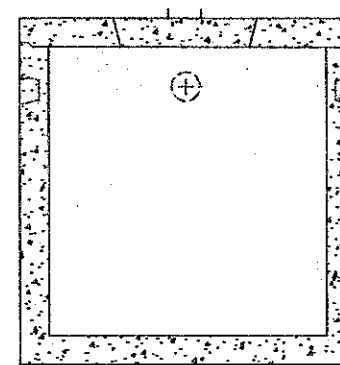
NOT TO SCALE



PLAN VIEW



SECTION A-A

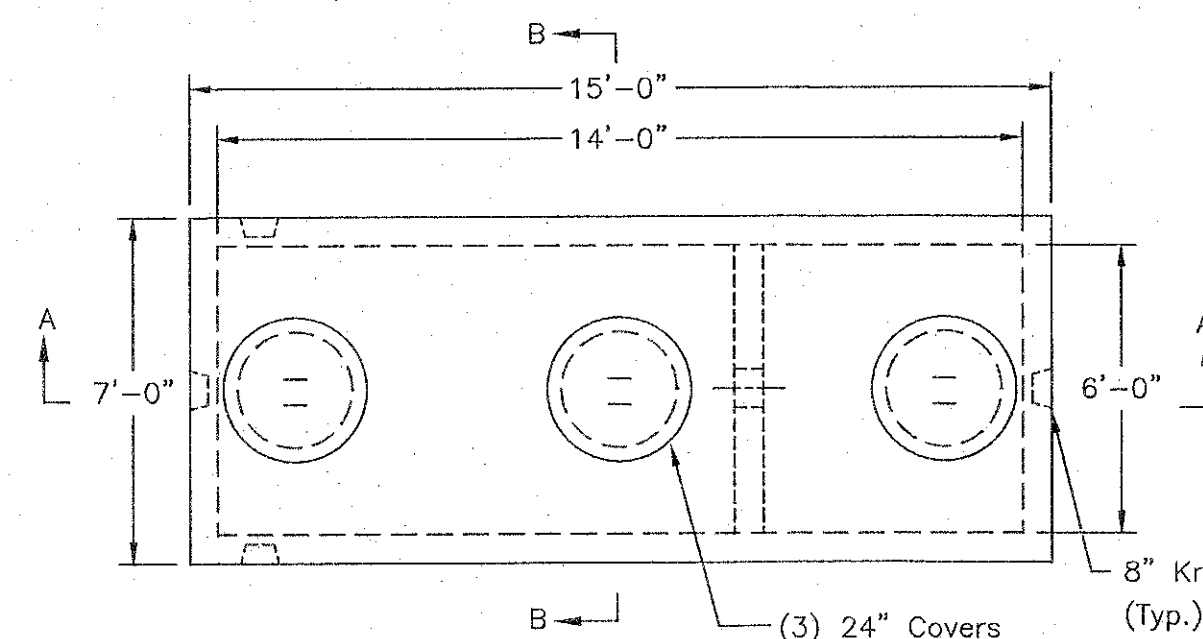


SECTION B-B

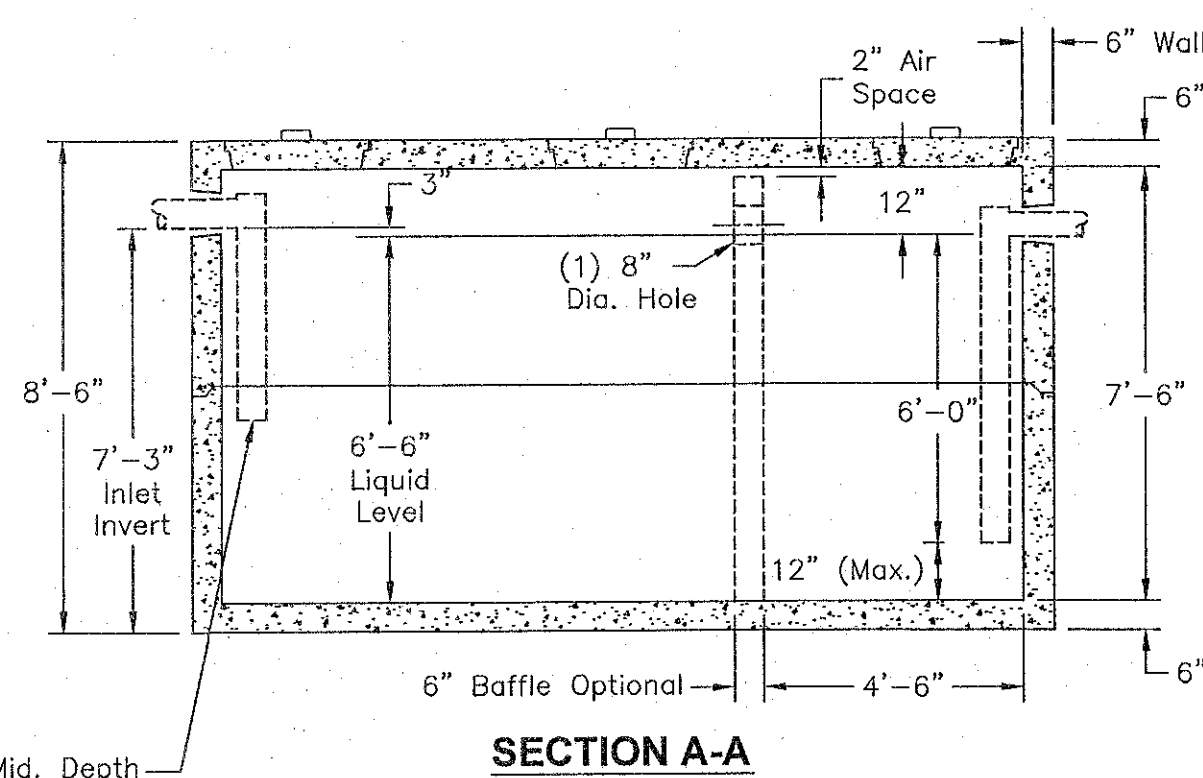
OLDCASTLE 1000 GALLON GREASE INTERCEPTOR
(OR APPROVED EQUAL)

1,000 GALLON GREASE TRAP

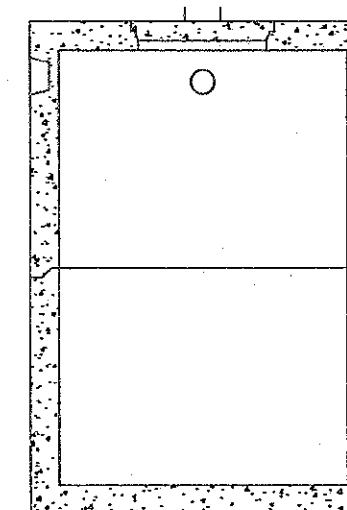
NOT TO SCALE



PLAN VIEW



SECTION A-A



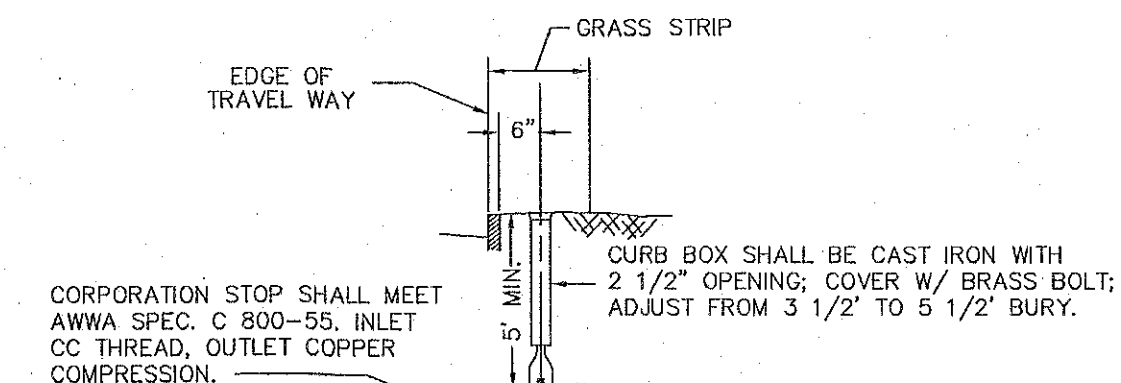
SECTION B-B

OLDCASTLE 4000 GALLON GREASE INTERCEPTOR
(OR APPROVED EQUAL)

4,000 GALLON GREASE TRAP (FUTURE)

NOT TO SCALE

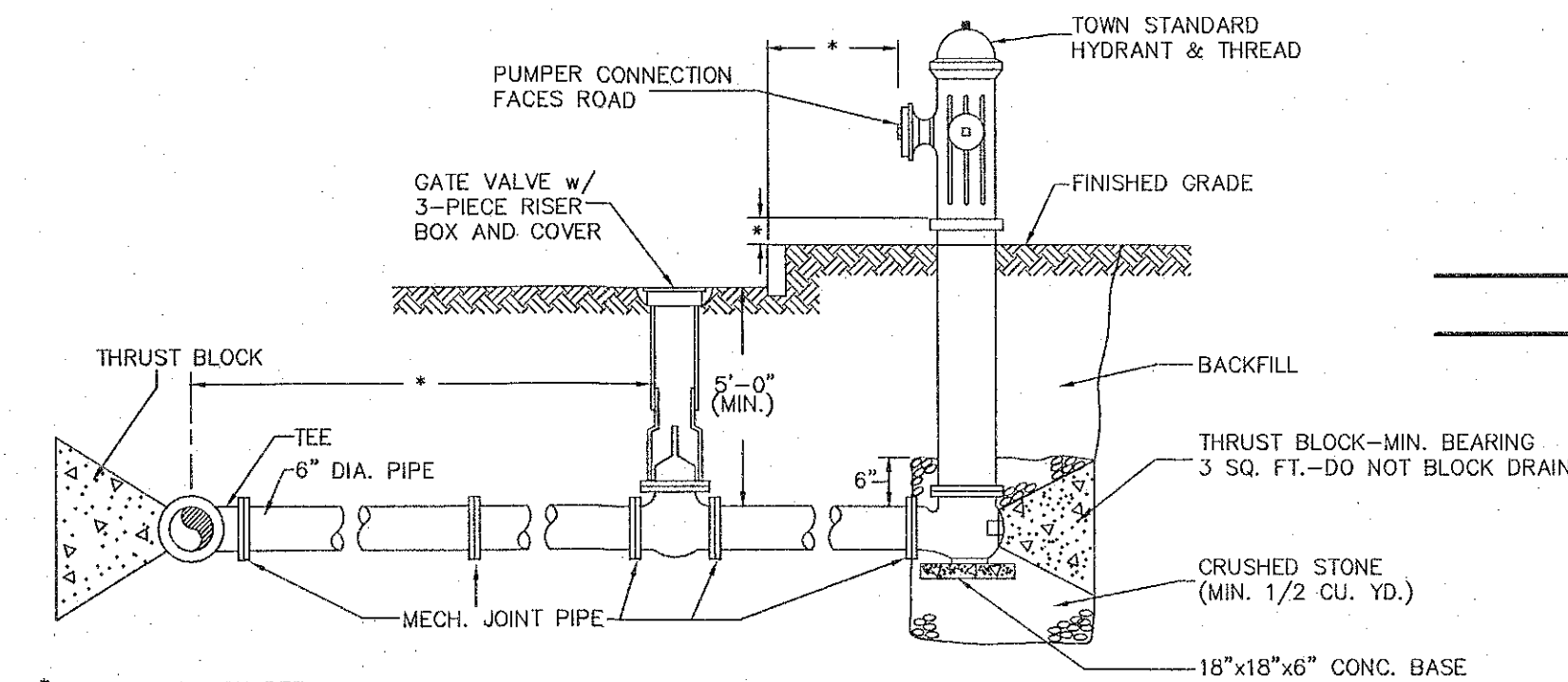
- GENERAL NOTES:**
- Concrete: 28 Day Compressive Strength $f'_c = 5,000$ psi
 - Steel Reinforcement: ASTM A-615, Grade 60
 - Cover to Steel-1" Minimum
 - Vaults are Designed to Meet ASTM C858 and ACI 318 with Aashto HS-20 Loading
 - Earth Cover-0 to 5 Feet Max.
 - Construction Joint Sealed with 1" Dia. Butyl Rubber or Equivalent
 - Approx. Wt. Slab Top = 2.5 Tons
Approx. Wt. Bottom Section = 6.7 Tons



- NOTES:**
- COPPER TUBING SHALL MEET AWWA SPEC. 75-CR TYPE K OR FEDERAL SPEC. WWT-799 TYPE K.
 - 1 1/2" AND LARGER SERVICE ARE REQUIRED TO HAVE A SADDLE.

WATER SERVICE CONNECTION

NOT TO SCALE

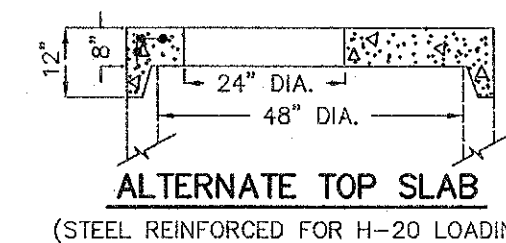


HYDRANT CONNECTION

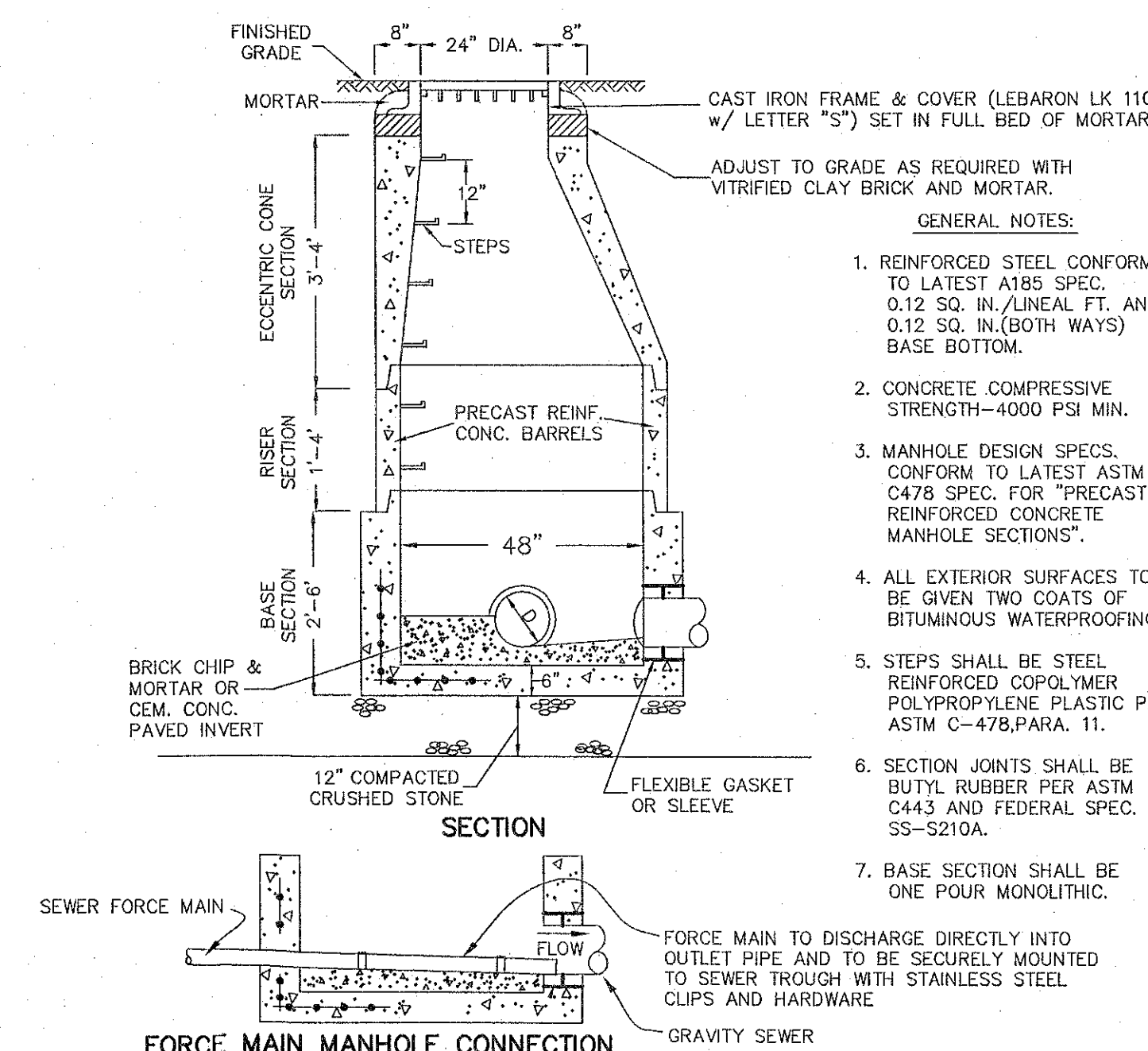
NOT TO SCALE

WATER SUPPLY PROTECTION NOTES

- ALL SEWERS SHALL BE INSTALLED A MINIMUM OF AT LEAST 10 FEET HORIZONTALLY AND 18 VERTICALLY (MIN) FROM PROPOSED WATER MAINS.
- WHERE SEWERS CROSS UNDER WATER MAINS, THE SEWER SHALL BE INSTALLED SUCH THAT THE TOP OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. IF THE 18 INCHES SEPARATION CANNOT BE PROVIDED THE WATER MAIN SHALL BE CONSTRUCTED WITH MECHANICAL JOINT PIPE FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE SEWER. A FULL LENGTH OF WATER MAIN SHALL BE CENTERED OVER THE SEWER TO PROVIDE MAXIMUM JOINT SEPARATION FROM THE SEWER.

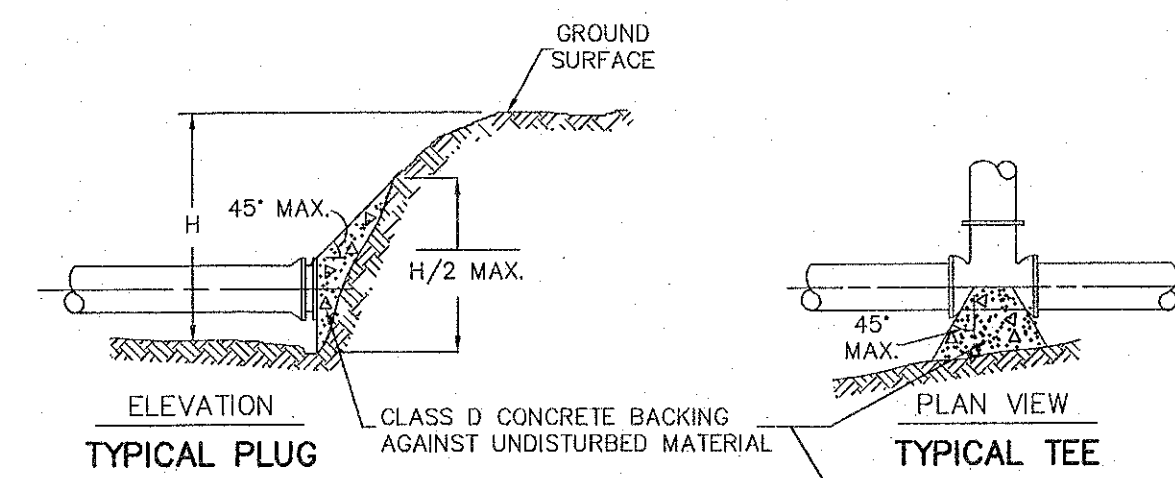


ALTERNATE TOP SLAB
(STEEL REINFORCED FOR H-20 LOADING)



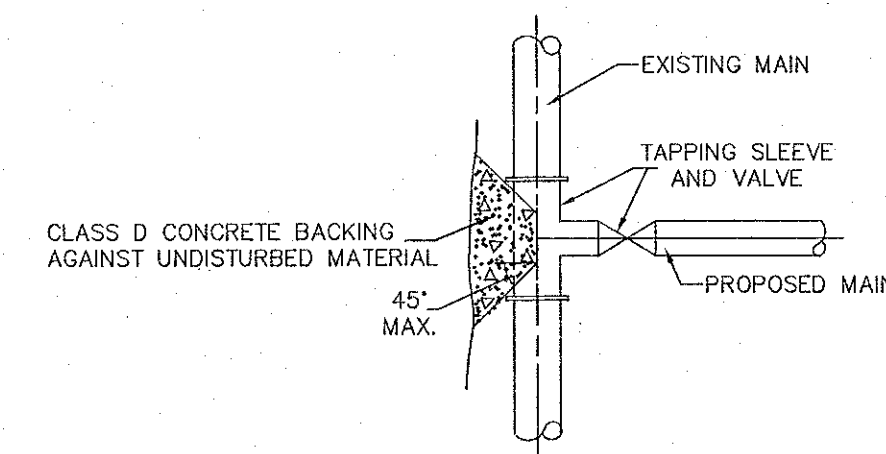
SANITARY SEWER MANHOLE (SMH)

NOT TO SCALE



TYPICAL PLUG

TYPICAL TEE

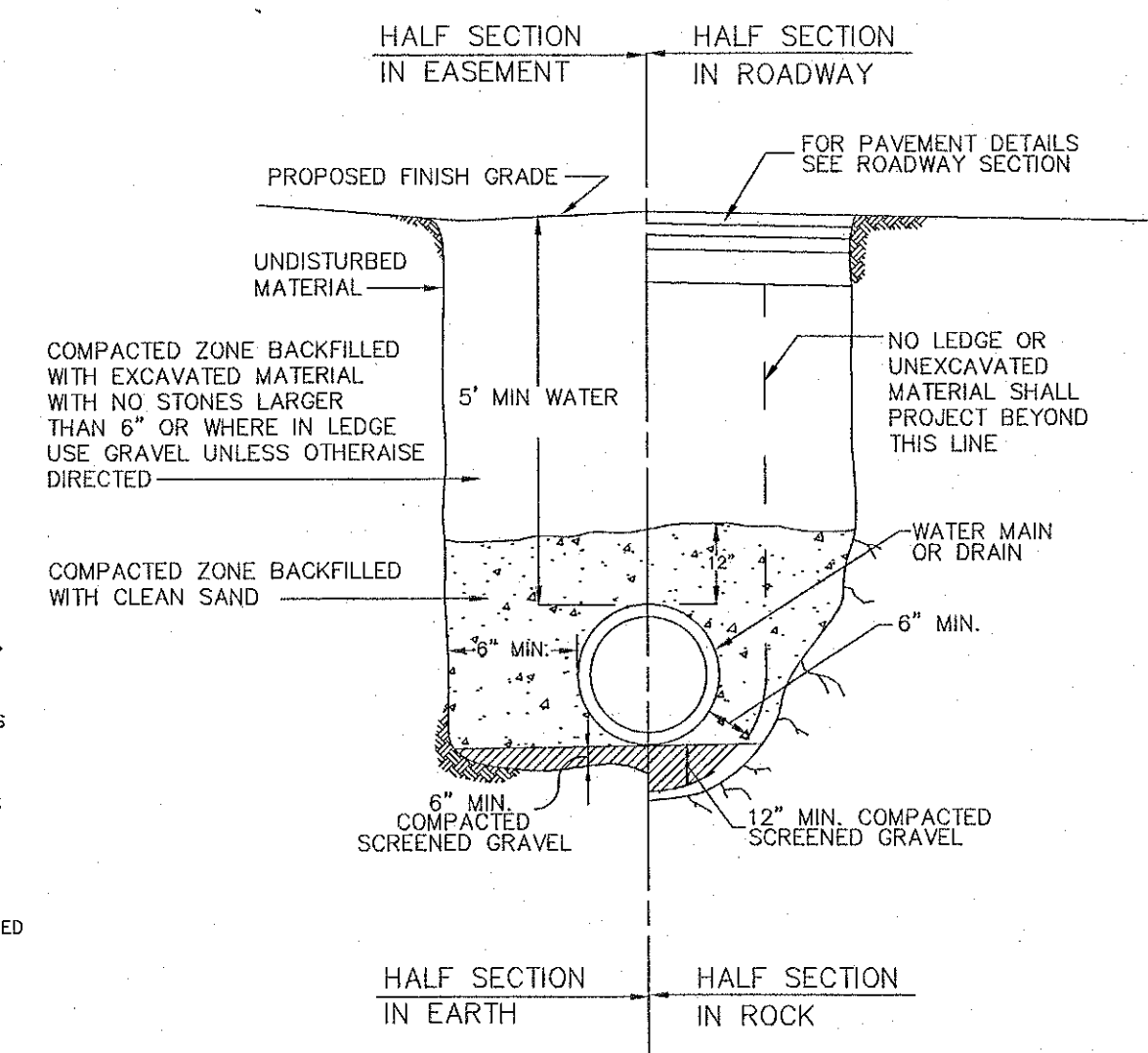


TYPICAL TAPPED CONNECTION

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

WATER MAIN THRUST BLOCK DETAILS

NOT TO SCALE



WATER MAIN TRENCH DETAILS

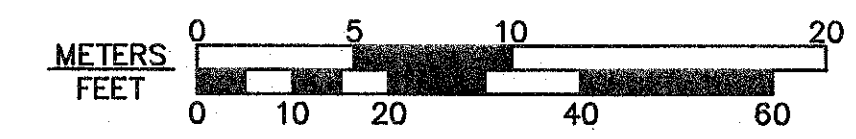
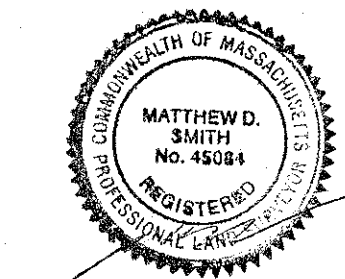
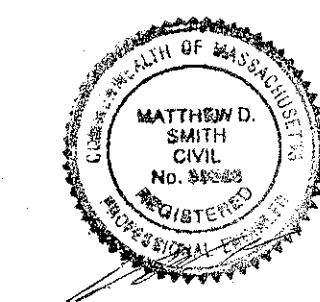
NOT TO SCALE

DETAILS
437 & 449 PAGE STREET
STOUGHTON, MASS.

SCALE: 1" = 20' DECEMBER 19, 2013

Norwood Engineering

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Consulting Engineers, Land Surveyors
1410 ROUTE ONE, NORWOOD, MA 02062
TEL. (781)762-0143 FAX (781)762-8595



DATE	REVISIONS
7/8/2014	PER TOWN ENGINEERING DEPT. REVIEW LETTER
8/21/2014	BASEIN ACCESS ROAD, SITE LINES
10/1/2014	CHARGING STATION
6/8/2015	BASEMENT, SEW. PUMP STA, FDN DRAIN, DOORS

SHEET 10 OF 11

8975-02

GENERAL NOTES

1. TOPOGRAPHIC AND PROPERTY LINE INFORMATION

* PROPERTY LINE INFORMATION TAKEN FROM "PLAN OF LAND IN STOUGHTON, MA. OWNED BY F&M REALTY TRUST II" DATED MARCH 26, 2002 BY GALLAGHER ENGINEERS / LAND SURVEYORS FILED AS PLAN NO. 353 OF 2002 IN PLAN BOOK 497.

* TOPOGRAPHIC INFORMATION SHOWN BY NORWOOD ENGINEERING CO., INC AND REFLECTS THE ON GROUND FIELD CONDITIONS AS OF DECEMBER 2013.

* BENCHMARKS: (SEE PLAN FOR LOCATION)

ELEVATION DATUM = N.A.V.D. 1988

BENCH MARK: ST-26 GEODETIC MONUMENT CONCRETE BOUND WITH DISK STAMPED NORFOLK COUNTY, TOWN OF STOUGHTON, LOCATED IN GRASS AT THE LEFT SIDE OF HANES WAY AT ROUTE 139. ELEVATION = 229.76 (FEET)

* WETLAND FLAGGING PERFORMED BY ECOTEC, INC. ON DECEMBER 11, 2013

2. UTILITIES

* THE LOCATION AND ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS WERE TAKEN FROM A COMBINATION OF FIELD SURVEY AND UTILITY PLANS, WHICH ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

* ALL CONSTRUCTION SHALL CONFORM TO THE RELEVANT PROVISIONS OF THE ZONING BYLAW AND THE "RULES AND REGULATIONS GOVERNING THE SUBDIVISION OF LAND" BY THE TOWN OF STOUGHTON PLANNING BOARD AND REGULATIONS OF THE STOUGHTON DEPARTMENT OF PUBLIC WORKS AND OTHER TOWN DEPARTMENTS.

* PRIVATE UTILITY SERVICE FINAL LOCATION, SIZE AND DEPTH ARE SUBJECT TO THE APPROVAL OF THE UTILITY COMPANY. PRIVATE UTILITIES BY OTHERS.

* EXTERIOR LIGHTING LUMINARIES AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE OF SIZE AND TYPE, AND AT LOCATIONS SPECIFIED BY THE ARCHITECT'S PLAN AND APPROVED BY BUILDING DEPARTMENT.

* FIRE ALARM CONNECTION SHALL BE PER STOUGHTON FIRE DEPARTMENT REQUIREMENTS AND SUBJECT TO THEIR APPROVAL.

* TRANSFORMER PAD SHALL BE PORTLAND CEMENT CONCRETE PAD OF DIMENSION SPECIFIED BY ARCHITECT'S ELECTRICAL SITE PLAN.

3. WATER MAIN AND APPURTENANCES

* WATER MAINS SHALL HAVE 5' MINIMUM COVER AND SHALL BE CEMENT LINED DUCTILE IRON, CLASS 52 MINIMUM, CONFORMING TO ANSI A21.50, A21.4, A21.10 AND A21.51. JOINTS AT FITTINGS, VALVES AND HYDRANT LATERALS SHALL BE MECHANICAL JOINT PER ANSI A21.11, WITH GASKETS. JOINTS AT OTHER LOCATIONS SHALL BE PUSH-ON TYPE WITH GASKETS PER ANSI A21.11. ALL FITTINGS, HYDRANTS AND CAPS SHALL BE PROVIDED WITH THRUST RESTRAINTS.

* WATER GATE VALVES SHALL CONFORM TO AWWA C500 AND STOUGHTON WATER DEPARTMENT SPECIFICATIONS.

* HYDRANTS SHALL CONFORM TO STOUGHTON DPW REQUIREMENTS AND AWWA/ANSI C502-64. HYDRANTS SHALL HAVE A 5 1/4" INCH VALVE AND SHALL OPEN LEFT. HOSE AND PUMPER SHALL HAVE NST CONNECTIONS.

* DISINFECTION AND FLUSHING OF ALL NEW DOMESTIC AND FIRE WATER MAINS SHALL BE TO AWWA C601-88. THE STOUGHTON DPW SHALL BE PROVIDED WITH 48 HOURS ADVANCE NOTICE OF THE NEED FOR FLUSHING.

* PRESSURE TESTING OF ALL NEW WATER MAINS SHALL BE DONE TO TOWN OF STOUGHTON STANDARDS. THE STOUGHTON DPW SHALL BE PROVIDED WITH 48 HOURS ADVANCE NOTICE OF THE PRESSURE TEST.

* CONCRETE THRUST BLOCKS SHALL BE REQUIRED AT ALL WATER MAIN BENDS, TEES, HYDRANTS AND FITTINGS AS SHOWN ON THE DETAIL DRAWINGS.

4. STORM DRAINAGE

* STORM DRAIN PIPING SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE) ADVANCED DRAINAGE SYSTEM (ADS) WITH STANDARD SPLIT COUPLING OR EQUAL. (H-20 LIVE LOAD REQUIRED)

* ROOF DRAINS COMPATIBLE WITH OUTLET AT BUILDING. INVERTS SHOWN ARE CONCEPTUAL. CONTRACTOR TO COORDINATE WITH ARCHITECT FOR DOWNSPOUT LOCATIONS.

* DRAIN MANHOLES AND CATCH BASINS SHALL BE REINFORCED CONCRETE PRECAST SECTIONS CONFORMING TO ASTM C478. MANHOLE STRUCTURES SHALL BE JOINTED TO BE WATERTIGHT. MANHOLES SHALL BE SUPPLIED WITH STEPS.

5. SANITARY SEWERS

* SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) PIPE SDR 35 MEETING ASTM D3034. RUBER GASKETS SHALL CONFORM TO ASTM D 3212.

* SEWER MANHOLES SHALL BE PRECAST REINFORCED CONCRETE CONFORMING TO ASTM C478. MANHOLES STRUCTURES SHALL BE JOINTED TO BE WATER-TIGHT. MANHOLES SHALL BE SUPPLIED WITH STEPS.

* COORDINATE WITH THE STOUGHTON PUBLIC WORKS DEPARTMENT FOR TESTING PROCEDURES.

* GREASE TRAP CAPACITY OF 1,000 GALLONS BASED ON A 60 SEAT RESTAURANT, KITCHEN FLOW (15 GPD / SEAT).

* GREASE TRAP CAPACITY OF 4,000 GALLONS BASED ON A 236 SEAT FUNCTION HALL, KITCHEN FLOW (15 GPD / SEAT).

6. SEDIMENTATION & EROSION CONTROL

* INSTALL SILTSACKS ON CATCH BASINS PROPOSED WITHIN SITE.

* PERFORM BUILDING AND SITE CONSTRUCTION.

* RAISE PROPOSED CATCH BASINS 3-INCHES MINIMUM ABOVE FINISHED GRADE UNTIL PAVING COMPLETED.

* LOAM AND SEED ALL AREAS DISTURBED BY CONSTRUCTION.

* CLEAN OUT CATCH BASINS AND DRAINAGE SYSTEM AND REMOVE SILTSACKS AFTER DISTURBED AREAS ARE STABILIZED.

7. LANDSCAPING

* REQUIREMENTS SHALL BE AS SHOWN ON THE SITE LANDSCAPE PLAN.

8. CURBING

* SEE PLAN AND DETAIL SHEETS FOR LOCATION AND TYPE OF CURBING.

* DIMENSIONS REFER TO FACE OF CURB AT GUTTER LINE.

9. PARKING STALLS AND STRIPING

* PARKING SPACES ARE 9.0' X 19.0' WITH A 24' AISLE (MIN).

* HANDICAP SPACES ARE 8.0' X 19.0' (MIN) WITH AN 8' LOADING AISLE FOR VANS AND A 5' LOADING AISLE ELSEWHERE.

* ALL STRIPING SHALL BE 4" REFLECTORIZED WHITE PAINT UNLESS OTHERWISE INDICATED.

* HANDICAP SIGNS SHALL BE MOUNTED ON A 4' HIGH STEEL POST EMBEDDED IN CONCRETE.

10. SITE SIDEWALKS

* SURFACE: CONCRETE WALK WITH INTEGRAL CURBING SEE PLAN & DETAIL SHEETS

* SUBBASE: 8-INCH TOTAL COMPACTED DEPTH GRAVEL BORROW FILL OVER COMMON FILL.

11. PAVEMENT

* SITE SURFACE: 3 1/2 -INCH TOTAL COMPACTED DEPTH CLASS 1, TYPE I-1, BITUMINOUS CONCRETE (1 1/2" TOP COURSE OVER 2" BASE COURSE)

* SITE SUBBASE: 12-INCH TOTAL COMPACTED DEPTH GRAVEL BORROW FILL OVER COMMON FILL.

* PAVEMENT INSTALLATION SHALL CONFORM TO THE RELEVANT PROVISIONS OF MDPW SECTIONS 420 AND 460.

* BITUMINOUS CONCRETE SHALL CONFORM TO THE RELEVANT PROVISIONS OF MDPW M 311.00.

12. RETAINING WALLS

* RETAINING WALLS TO HAVE STRUCTURAL DESIGN BY OTHERS.

13. BUILDING EARTHWORK

* MATERIAL TO BE PLACED UNDER THE BUILDING FOOTING AND SLABS SHALL CONFORM TO THE REQUIREMENTS OF OWNER'S GEOTECHNICAL ENGINEER.

LEGEND

EXISTING PROPOSED

---	---	55	CONTOUR ELEVATION
+	+	236.55	SPOT GRADE
□	■		SINGLE GRATE CATCH BASIN (CB)
□	■		DOUBLE GRATE CATCH BASIN (CB-DBL)
○	●		DRAIN MANHOLE (DMH)
○	●		SEWER MANHOLE (SMH)
○	●		TELEPHONE MANHOLE (TMH)
○	●		ELECTRIC MANHOLE (EMH)
○	●		HYDRANT (HYD)
○	●		WATER GATE (WG)
○	●		WATER SERVICE (WS)
○	●		TAPPING SLEEVE, VALVE & BOX RISER (TS & G)
○	●		UTILITY POLE (UP)

EXISTING PROPOSED

☆	☆		LIGHT POLE (LP)
---	---		FLARED END SECTION (FES)
---	---		DRAIN LINE
---	---		ROOF DRAIN
---	---		UNDERDRAIN
---	---		SEWER LINE
---	---		WATER LINE
---	---		GAS LINE
---	---		TELEPHONE LINE
---	---		ELECTRIC LINE
---	---		FIRE ALARM LINE
---	---		UNDERGROUND
---	---		OVERHEAD WIRES

EXISTING PROPOSED

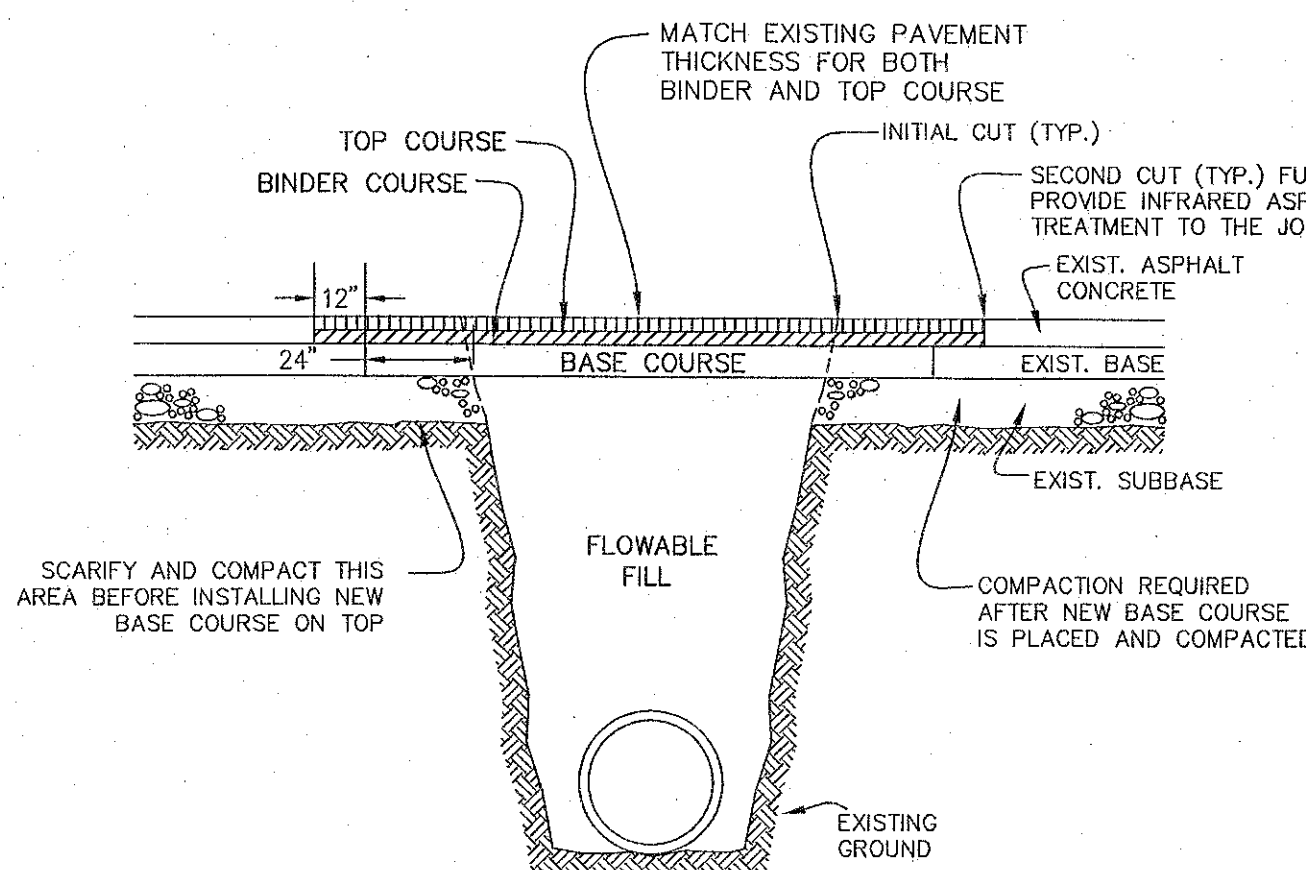
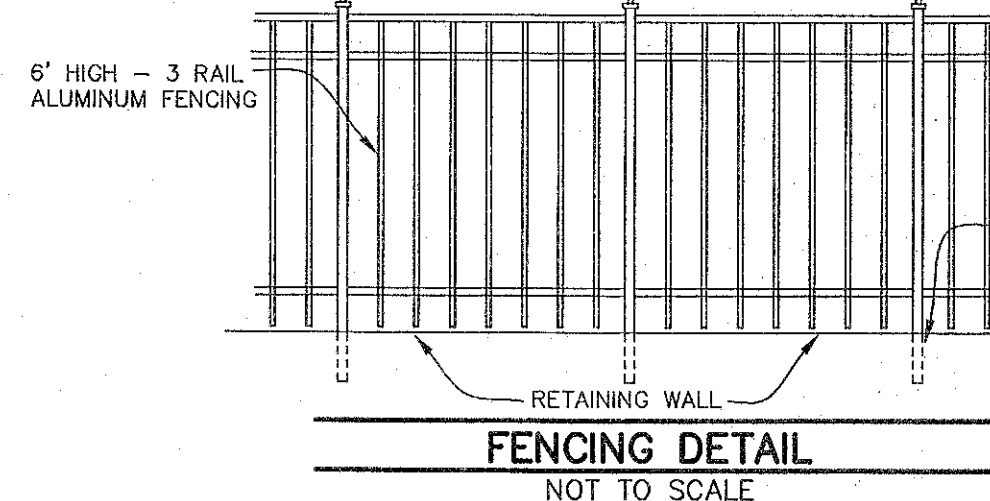
---	---		WATLES AND SILT FENCE
---	---		EDGE OF PAVEMENT (NO CURB)
---	---		VERTICAL GRANITE CURB
---	---		SLOPED GRANITE EDGING
---	---		BITUMINOUS BERM
---	---		CAPE COD BERM
---	---		CONCRETE CURB

PLAN NOTES

1. THE EXISTING UTILITIES SHOWN ARE BASED ON VISIBLE STRUCTURES, RECORD/AS-BUILT PLANS AND UTILITY COMPANY RECORDS. THEREFORE, THE LOCATIONS ARE APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM UNDERGROUND UTILITIES PRIOR TO ANY WORK. THIS MAY INCLUDE EXCAVATING TEST PITS AND USE OF UNDERGROUND PIPE DETECTORS.

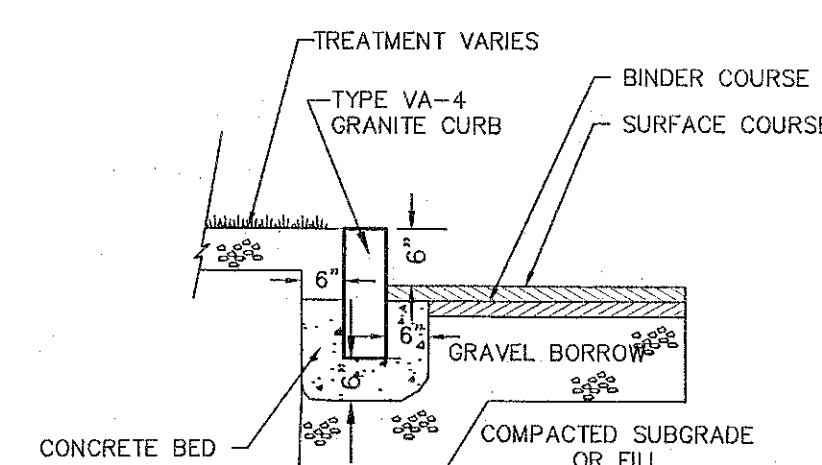
2. PRIOR TO ANY EXCAVATION WORK THE CONTRACTOR SHALL CONTACT DIG SAFE AT 1-888-344-7233. THE CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH THE DIG SAFE REGULATIONS AND ANY OTHER PERTINENT LAWS.

3. THE RIM AND GRATE GRADES SHOWN ON THE PLAN ARE FOR THE CONTRACTOR'S CONVENIENCE. THE FINAL RIM AND GRATE GRADES SHALL MEET THE FINISH PAVEMENT GRADES IN ALL CASES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS OPERATIONS TO MEET THE ABOVE REQUIREMENT.



TRENCH DETAIL FOR PAGE STREET UTILITIES

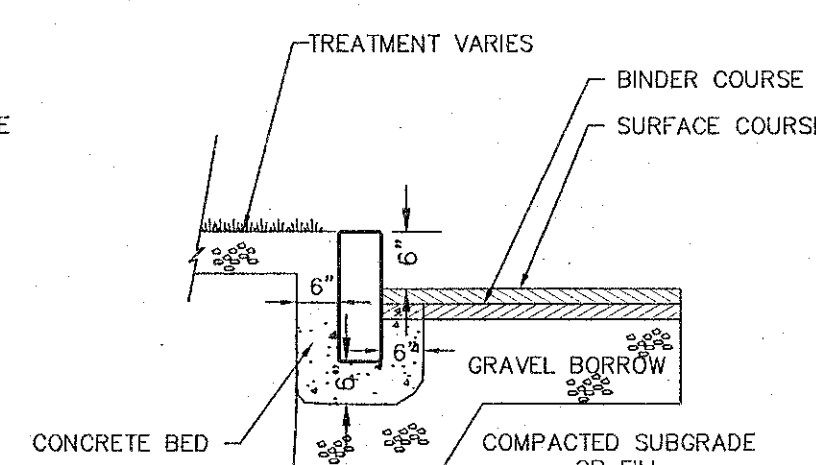
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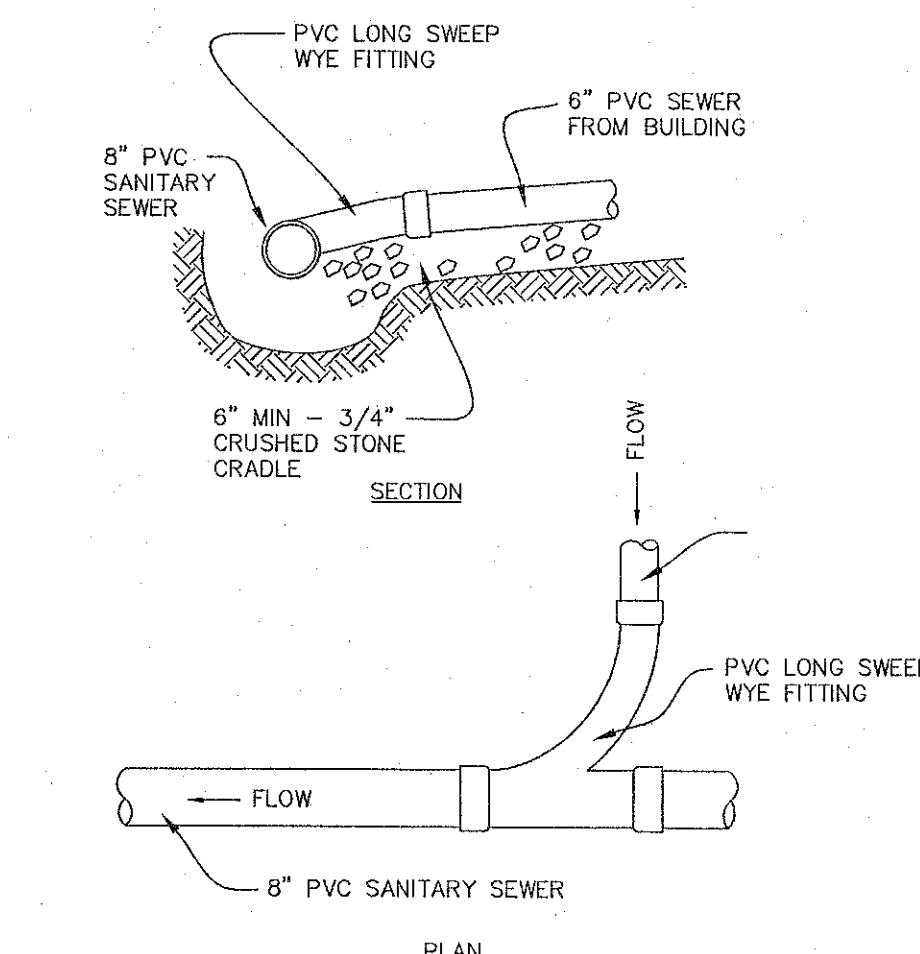
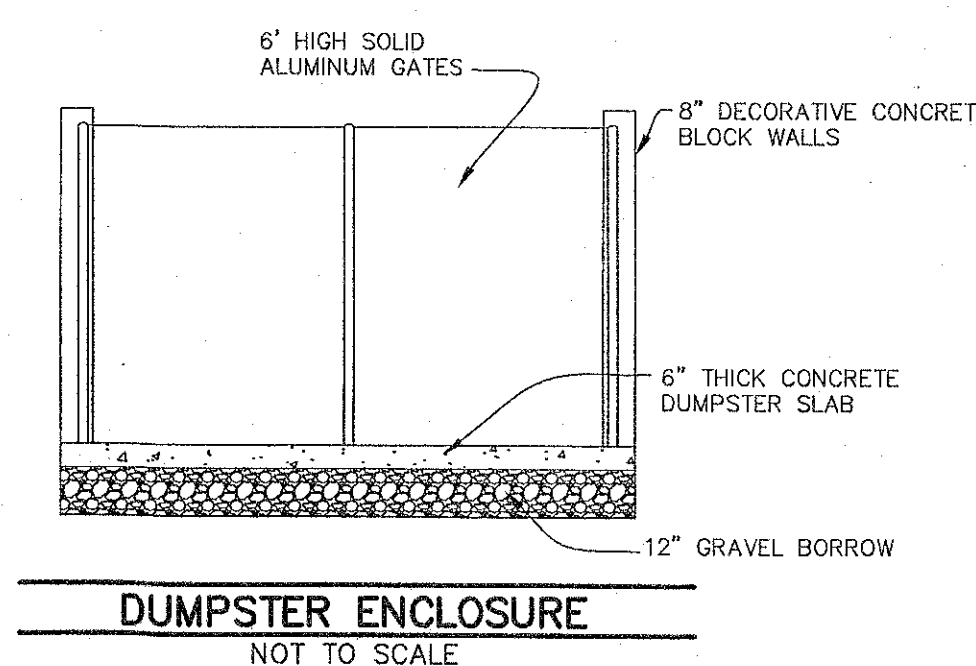
VERTICAL GRANITE CURB (VGC)

SITE CURBING

NOT TO SCALE

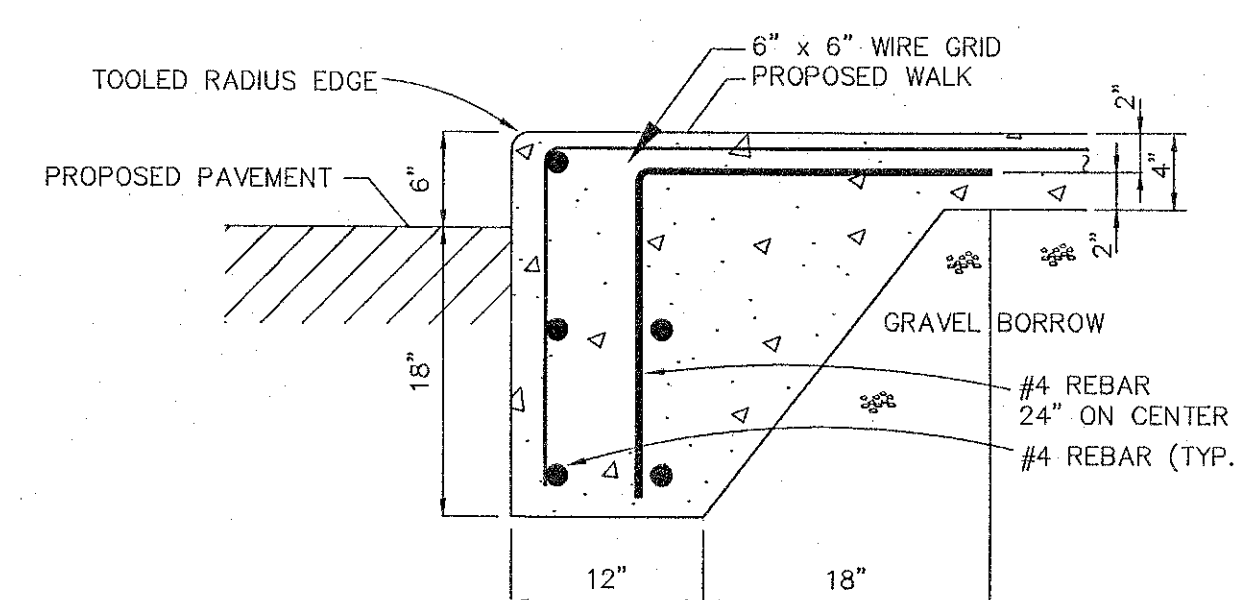


PRECAST CONCRETE CURB (CC)



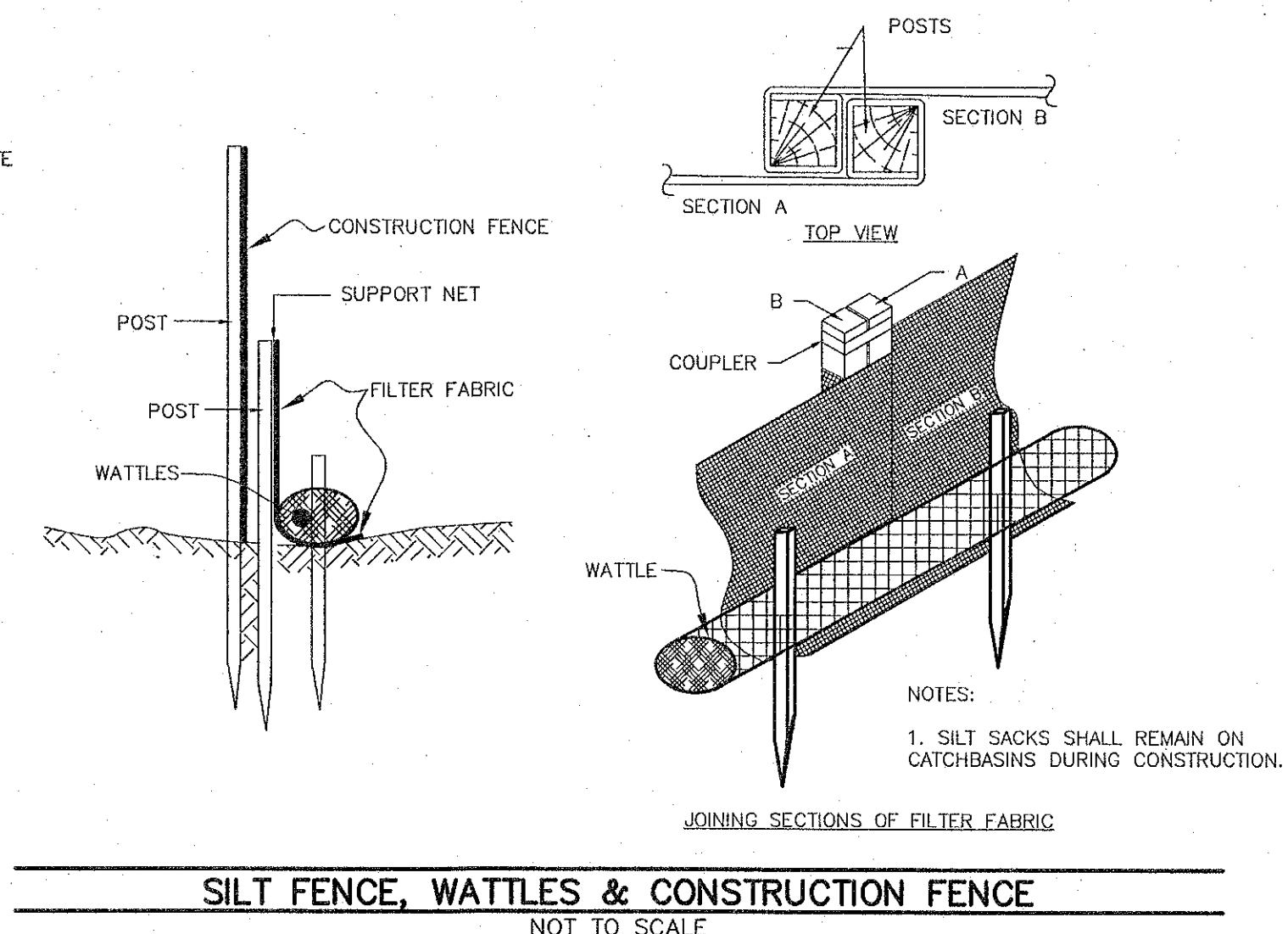
SANITARY SEWER LONG SWEEP WYE CONNECTION

NOT TO SCALE



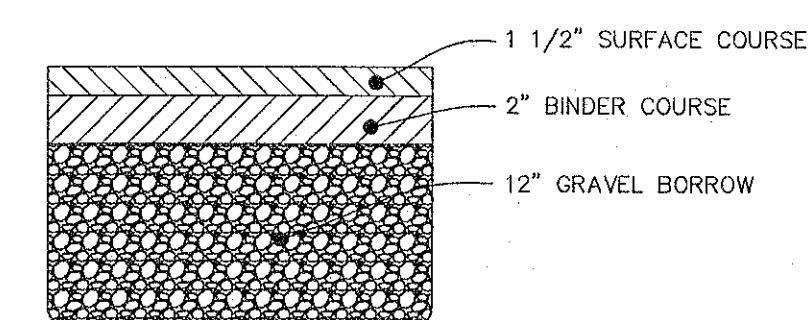
CONCRETE WALK W/ INTEGRAL CURBING

NOT TO SCALE



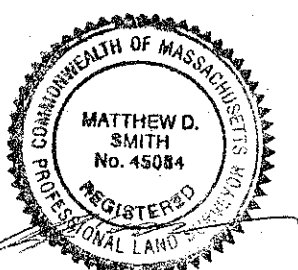
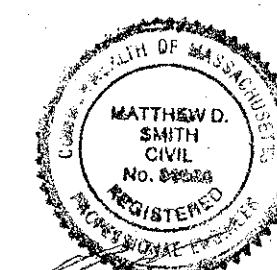
SILT FENCE, WATTLES & CONSTRUCTION FENCE

NOT TO SCALE



PAVEMENT SECTION

NOT TO SCALE



DETAILS
437 & 449 PAGE STREET
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SCALE: 1" = 20' DECEMBER 19, 2013

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