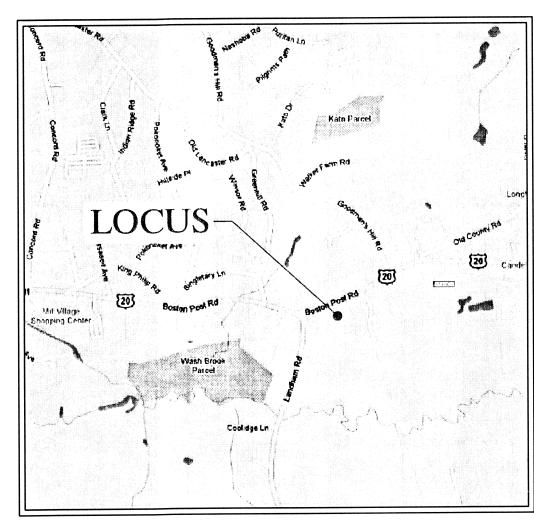
# COMPREHENSIVE PERMIT SITE PLAN THE COOLIDGE AT SUDBURY 2 187-189 BOSTON POST ROAD, SUDBURY MA

FOR

B'nai B'rith Housing New England, Inc.

A 56 UNIT SENIOR HOUSING COMMUNITY PERMITTED UNDER M.G.L. CHAPTER 40B



VICINITY MAP

N.TS.

#### SUDBURY ZONING A-1 RESIDENTIAL

USE: RESIDENTIAL (AGE RESTRICTE	D RENTAL) 56 UNITS, I	DENSITY 18.48 UNITS PER A	CRE
	REQUIRÉD	PROPOSED	WAIVER
LOT AREA MINIMUM	40,000 SQ.FT	134,479 SQ.FT (3.09 AC.)	NO
MINIMUM LOT FRONTAGE	180'	219'	NO
FRONT YARD SETBACK	40'	106'±	NO
SIDE YARD SETBACK	20'	18'±	YES
REAR YARD SETBACK	30'	168'±	NO
MAXIMUM BUILDING HEIGHT	35' / 2.5 STORIES	47' / 3 STORIES	YES
MAXIMUM BUILDING COVERAGE	40%	13.9%	NO
PARKING			
SPACES PER UNIT	2 (112 TOTAL)	1 (56 TOTAL)	YES
STALL WIDTH	9'	9'	NO
STALL LENGTH	18.5'	18.5'	NO
AISLE WIDTH	24'	24'	NO

#### LOT USE AREAS

	AREA	% OF LOT
TOTAL LOT	3.09acres	
BUILDINGS	0.43 acres	13.9%
SIDEWALKS	0.08 acres	2.6%
PATIOS	0.06 acres	1.9%
PERMEABLE PAVEMENT FIRE LANE	0.01 acres	0.3%
PARKING LOT	0.43 acres	13.9%
LANDSCAPE AREA W/IN AREA OF DISTURBANCE	0.88 acres	28.5%
UNDISTURBED	1.2 acres	38.9%

#### **OWNER**

CCC POST ROAD LIMITED PARTNERSHIP 189 BOSTON POST ROAD SUDBURY, MA 01776

#### APPLICANT

COVENANT COMMONWEALTH CORPORATION 34 WASHINGTON STREET BRIGHTON, MA 01752

#### SHEET INDEX

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2	NOTE SHEET
3	EXISTING CONDITIONS
4	PRELIMINARY SUBDIVISION PLAN
5	PRELIMINARY LAYOUT PLAN
6	PRELIMINARY GRADING AND UTILITY PLA
7	PRELIMINARY LANDSCAPE PLAN
8	DETAILS
9	DETAILS

#### **PROJECT TEAM**

#### SPONSOR:

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## LANDSCAPE ARCHITECT:

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Revision:			

## THE COOLIDGE AT SUDBURY 2

187-189 BOSTON POST RD SUDBURY, MA

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TITLE SHEET

Project Number: 1	5526
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Project Name:

Issue Date:
JUNE 29, 2016
Revision Date:
JANUARY 17, 2016
Sheet Number:

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#### **NOTES**

- 1. THESE PLANS ARE ISSUED FOR APPROVAL OF A SITE PLAN IN ACCORDANCE WITH M.G.L. CHAPTER 40B AND PROCEDURES OF THE TOWN OF SUDBURY. THE PLANS ARE NOT INTENDED FOR CONSTRUCTION.
- 2. ADDITIONAL INFORMATION IS CONTAINED IN A REPORT TO ACCOMPANY THE APPLICATION TO THE SUDBURY ZONING BOARD OF APPEALS.
- 3. WATER MAINS SHALL BE CLASS 52 D.I.P. PER AWWA. STORM DRAINS SHALL BE ADS N-12 DRAIN PIPE OR EQUAL.
- 4. SIGNS AND LIGHTING SHALL COMPLY WITH THE ZONING BYLAW UNLESS OTHERWISE NOTED
- . EXISTING CONDITIONS INFORMATION COMPILED FROM INDEPENDENT SURVEY DONE BY SCHOFIELD BROTHERS INC. OF NEW ENGLAN, AND HANCOCK SURVEY

#### CONSTRUCTION NOTES

- 1. CONTRACTOR SHALL CONTACT DIG-SAFE FOR UNDERGROUND UTILITY MARKING AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
- 2. CONTRACTOR SHALL MAKE HIMSELF AWARE OF ALL CONSTRUCTION REQUIREMENTS, CONDITIONS, AND LIMITATIONS IMPOSED BY PERMITS AND APPROVALS ISSUED BY REGULATORY AUTHORITIES PRIOR TO COMMENCEMENT OF ANY WORK. CONTRACTOR SHALL COORDINATE AND OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY REGULATORY AUTHORITIES.
- 3. ALL WORK OUTSIDE OF BUILDING THAT IS LESS THAN 10 FEET FROM THE INSIDE FACE OF BUILDING FOUNDATIONS SHALL CONFORM WITH THE UNIFORM STATE PLUMBING CODE OF MASSACHUSETTS, 248 CMR 2.00.

#### GENERAL NOTES

1. LOCATIONS OF EXISTING UNDERGROUND UTILITIES/OBSTRUCTIONS/SYSTEMS SHOWN HEREON ARE APPROXIMATE ONLY. ALL UTILITIES/OBSTRUCTIONS/SYSTEMS MAY NOT BE SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES/OBSTRUCTIONS/SYSTEMS, WHETHER OR NOT SHOWN HEREON.

2. UNLESS OTHERWISE SHOWN, ALL NEW UTILITIES SHALL BE UNDERGROUND.

3. CONTRACTOR SHALL FURNISH CONSTRUCTION LAYOUT OF BUILDING AND SITE IMPROVEMENTS. THIS WORK SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR.

4. SAFETY MEASURES, CONSTRUCTION METHODS AND CONTROL OF WORK SHALL BE RESPONSIBILITY OF THE

5. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION THAT ARE NOT DESIGNATED FOR DEMOLITION AND / OR REMOVAL HEREON. DAMAGED IMPROVEMENTS SHALL BE REPAIRED TO THE SATISFACTION OF THEIR RESPECTIVE OWNERS.

6. THIS PLAN IS NOT INTENDED TO SHOW AN ENGINEERED BUILDING FOUNDATION DESIGN, WHICH WOULD INCLUDE DETAILS AND FINAL ELEVATIONS OF FOOTINGS, WALLS AND SUBSURFACE DRAINAGE TO PREVENT INTERIOR FLOODING. SEE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS.

7. ANY INTENDED REVISION OF THE HORIZONTAL AND/OR VERTICAL LOCATION OF IMPROVEMENTS TO BE CONSTRUCTED AS SHOWN HEREON SHALL BE REVIEWED AND APPROVED BY ENGINEER PRIOR TO IMPLEMENTATION.

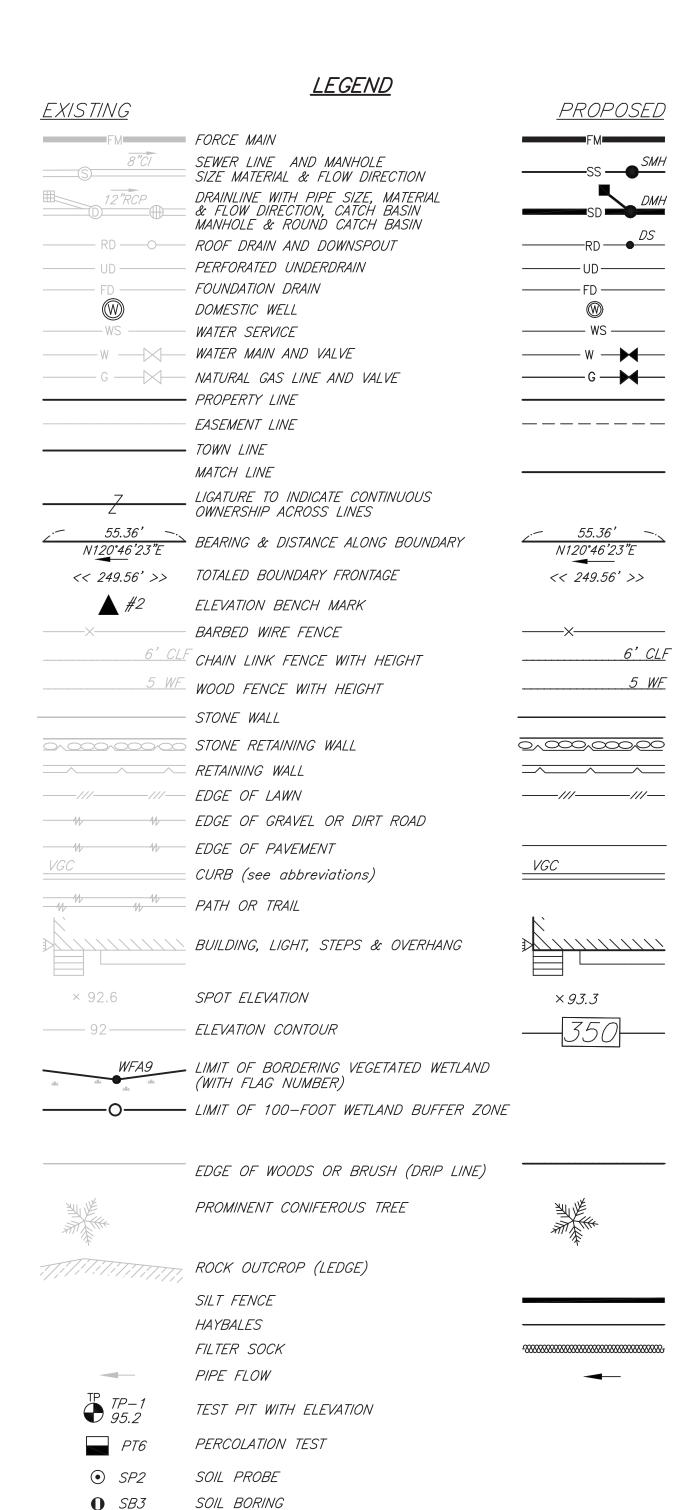
8. RIM ELEVATIONS SHOWN FOR NEW STRUCTURES ARE APPROXIMATE AND ARE PROVIDED TO ASSIST CONTRACTOR WITH MATERIAL TAKEOFFS. FINISH RIM ELEVATIONS SHOULD MATCH PAVEMENT, GRADING OR LANDSCAPING, UNLESS SPECIFICALLY INDICATED OTHERWISE.

9. WHERE EXISTING UTILITY LINES/STRUCTURES ARE TO BE CUT/BROKEN DOWN/ ABANDONED, LINES/STRUCTURES SHALL BE PLUGGED/CAPPED/FILLED IN ACCORDANCE WITH OWNER REQUIREMENTS.

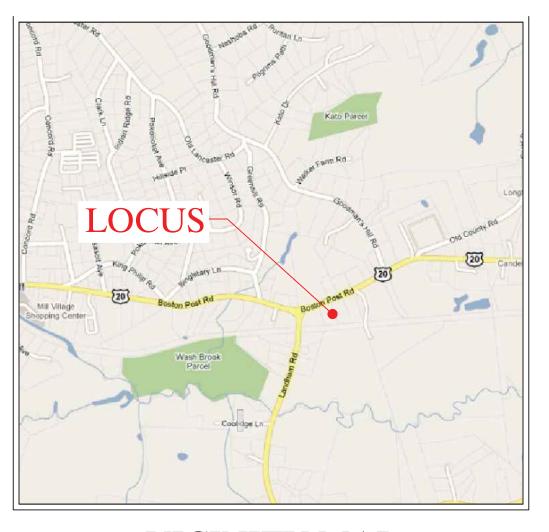
10. THE CONTRACTOR SHALL VERIFY THE LOCATION AND RELATIVE ELEVATION OF BENCH MARKS PRIOR TO

11. PROPOSED BUILDING FOUNDATION CONFIGURATION AND LOCATION ON THE LOT AS SHOWN ARE CONCEPTUAL AND SHALL BE VERIFIED AS TO CONFORMANCE WITH FINAL ARCHITECTURAL PLANS, COMPREHENSIVE PERMIT AND ZONING ORDINANCES (AS APPLICABLE) PRIOR TO CONSTRUCTION.

COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.



GROUNDWATER MONITORING WELL



VICINITY MAP



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## THE COOLIDGE AT SUDBURY 2

#### 187-189 BOSTON POST RD SUDBURY, MA

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NOTES

Project Number: 15526

Project Name:

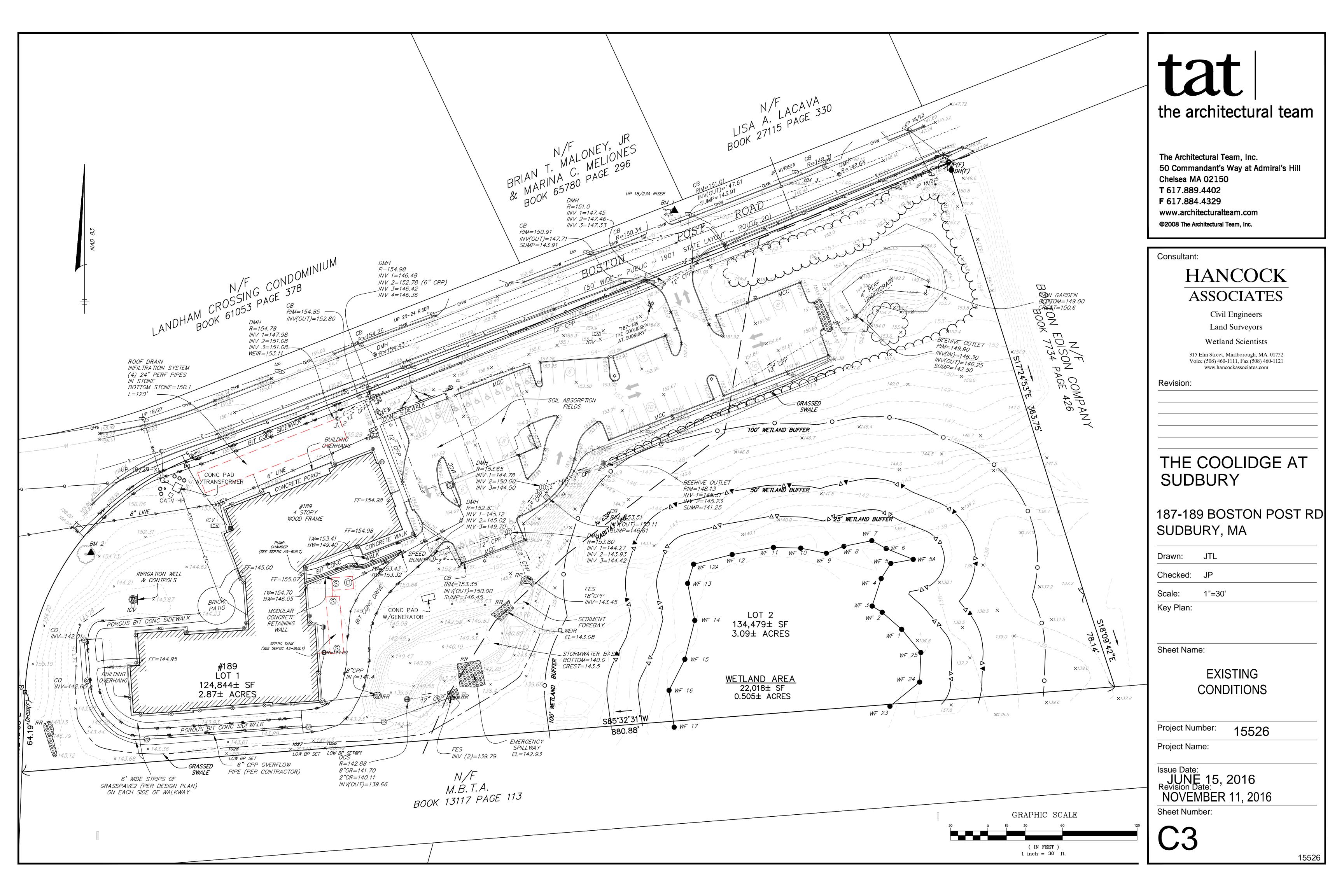
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Revision Date:

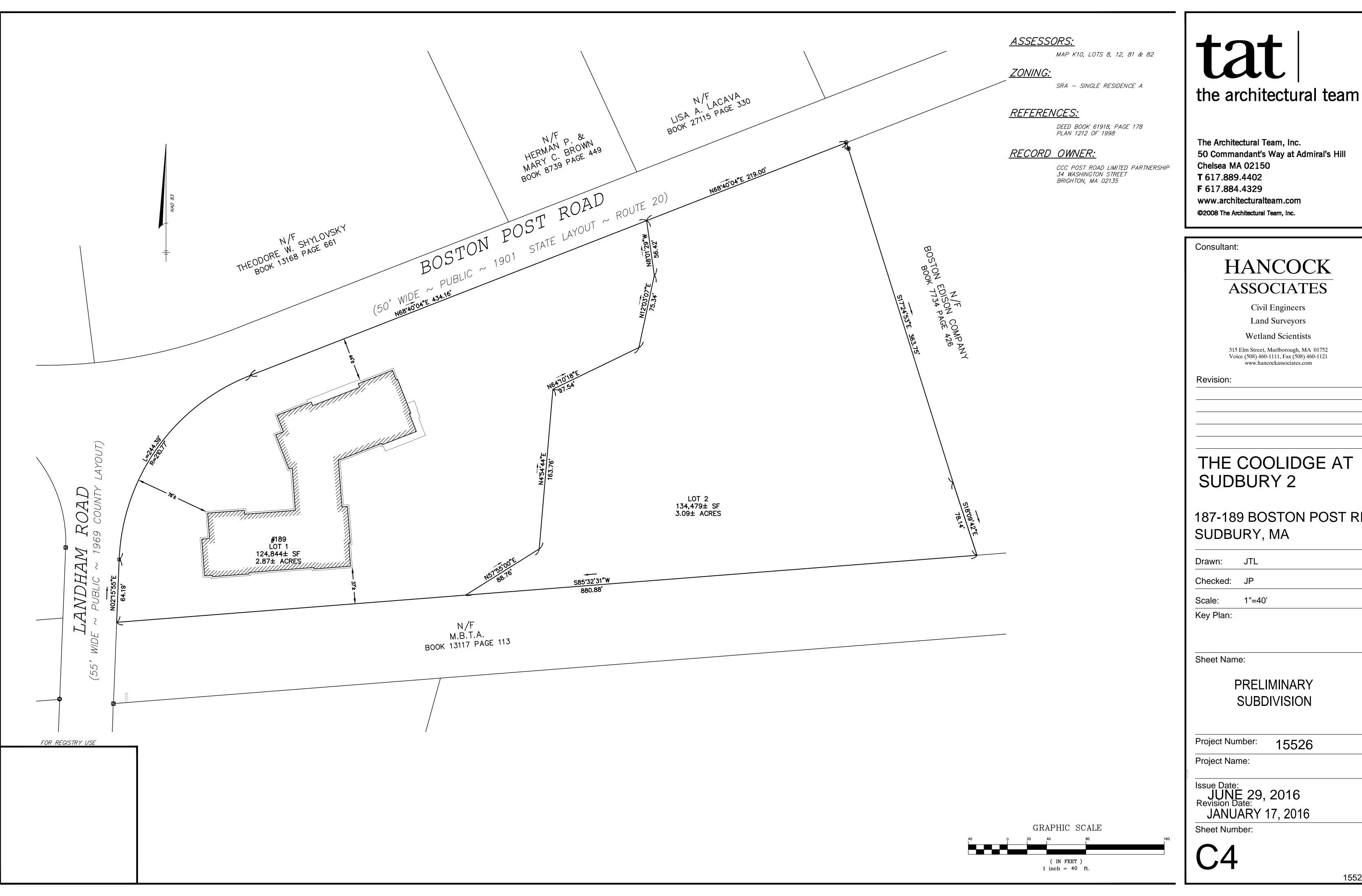
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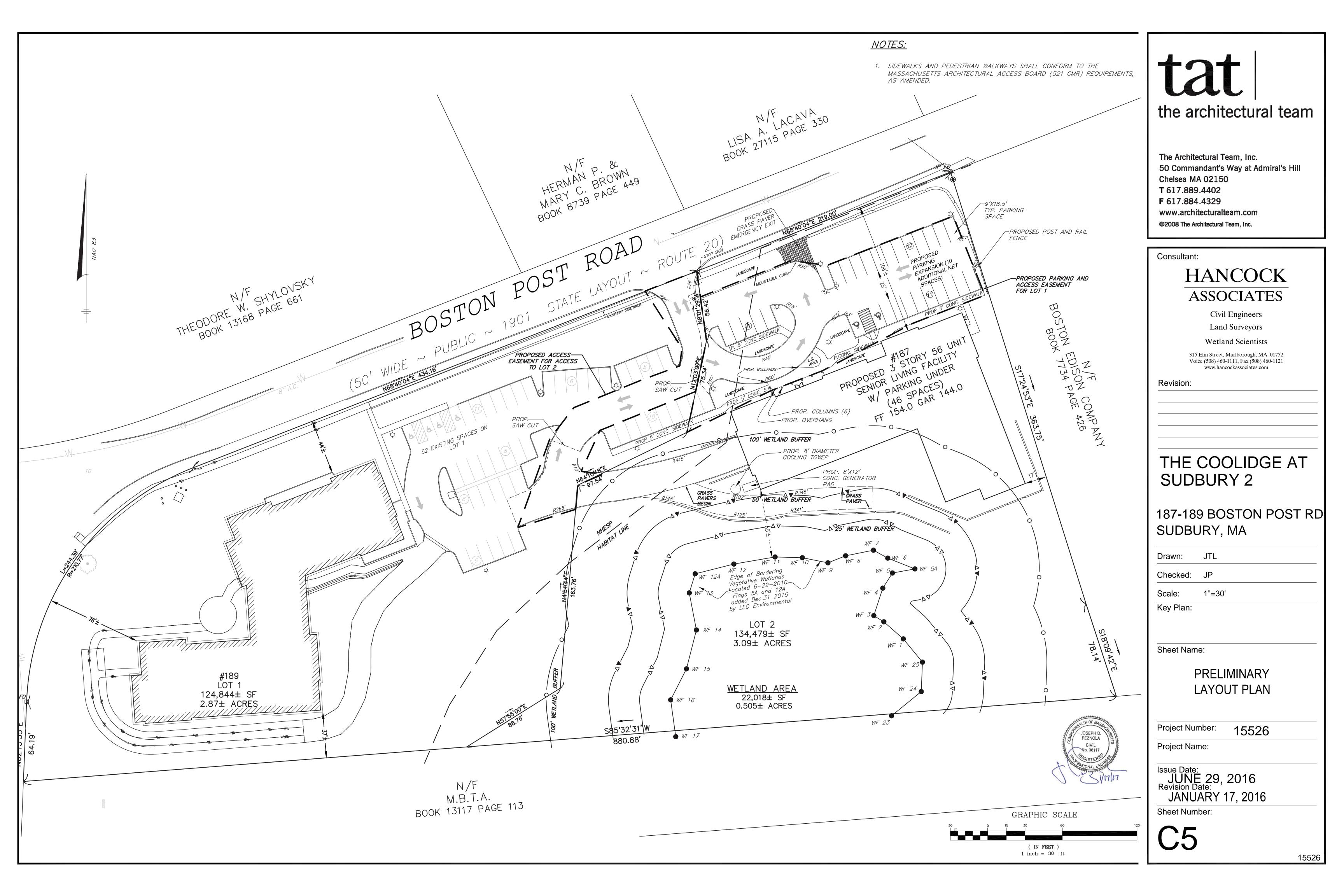


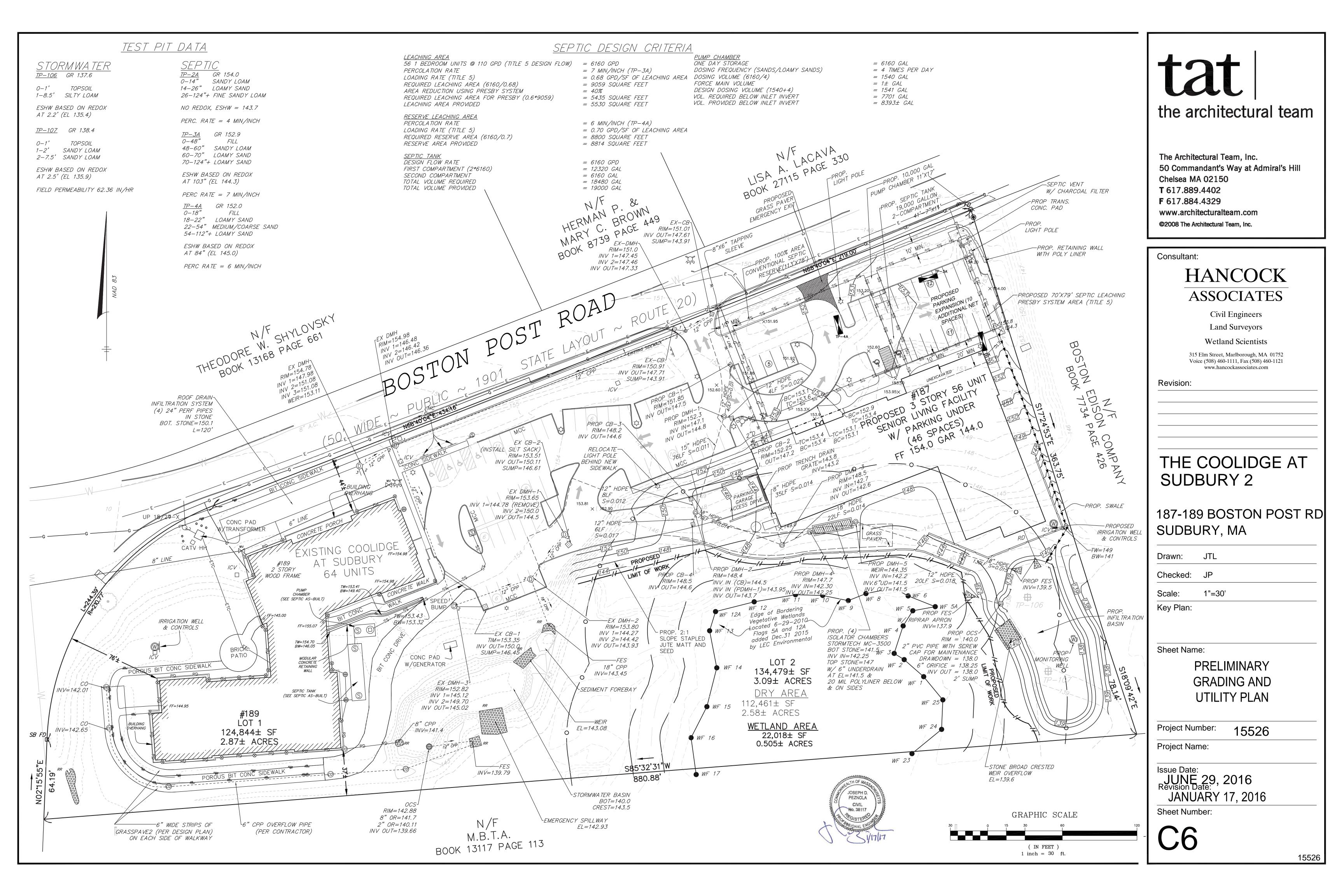
50 Commandant's Way at Admiral's Hill

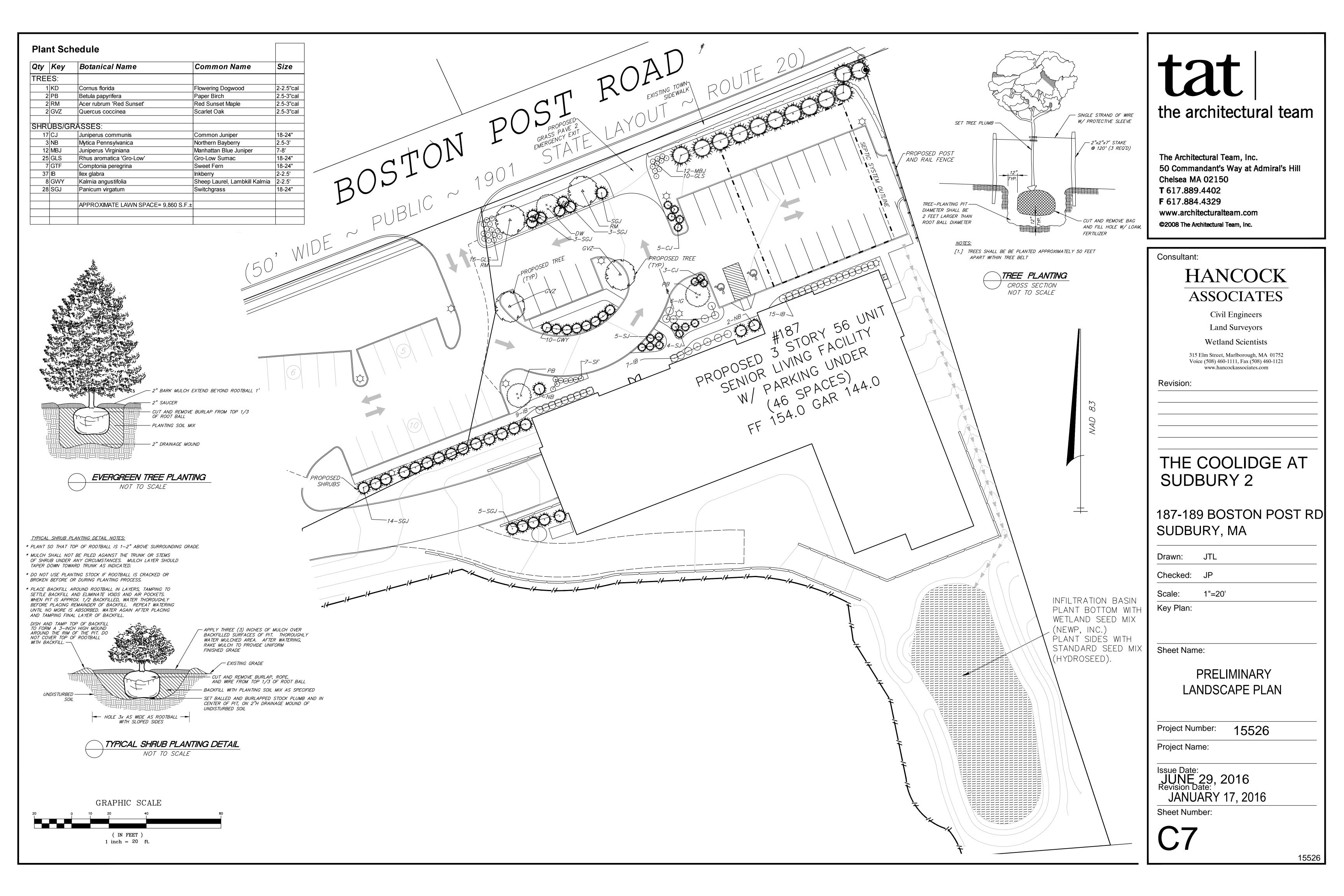
## HANCOCK

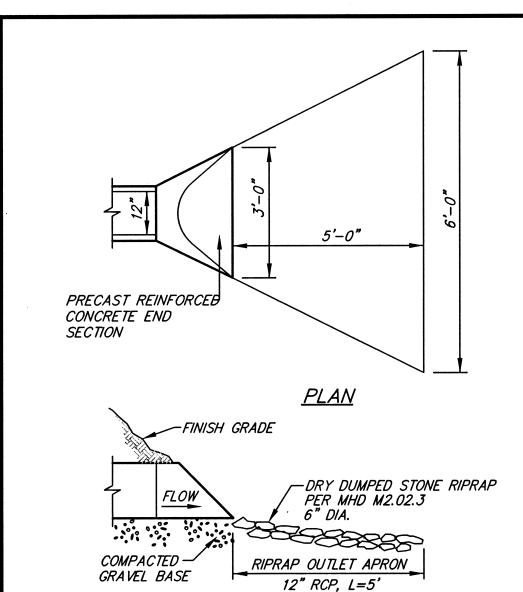
## THE COOLIDGE AT

## 187-189 BOSTON POST RD









<u>SECTION</u>

DRAIN OUTLET AND APRON

TYPICAL CROSS SECTION

NOT TO SCALE

FRAME TO BE SET IN— FULL BED OF MORTAR

MIN. 6" THICK-

CONCRETE COLLAR

BITUMINOUS

COMPACT-

STRUCTURE

BACKFILL TO 95% PER ASTM D-1557

MANHOLE STEPS-

AT 12" O.C. FOR STRUCTURES OVER

6 FEET, RIM TO

OPENINGS WATER-

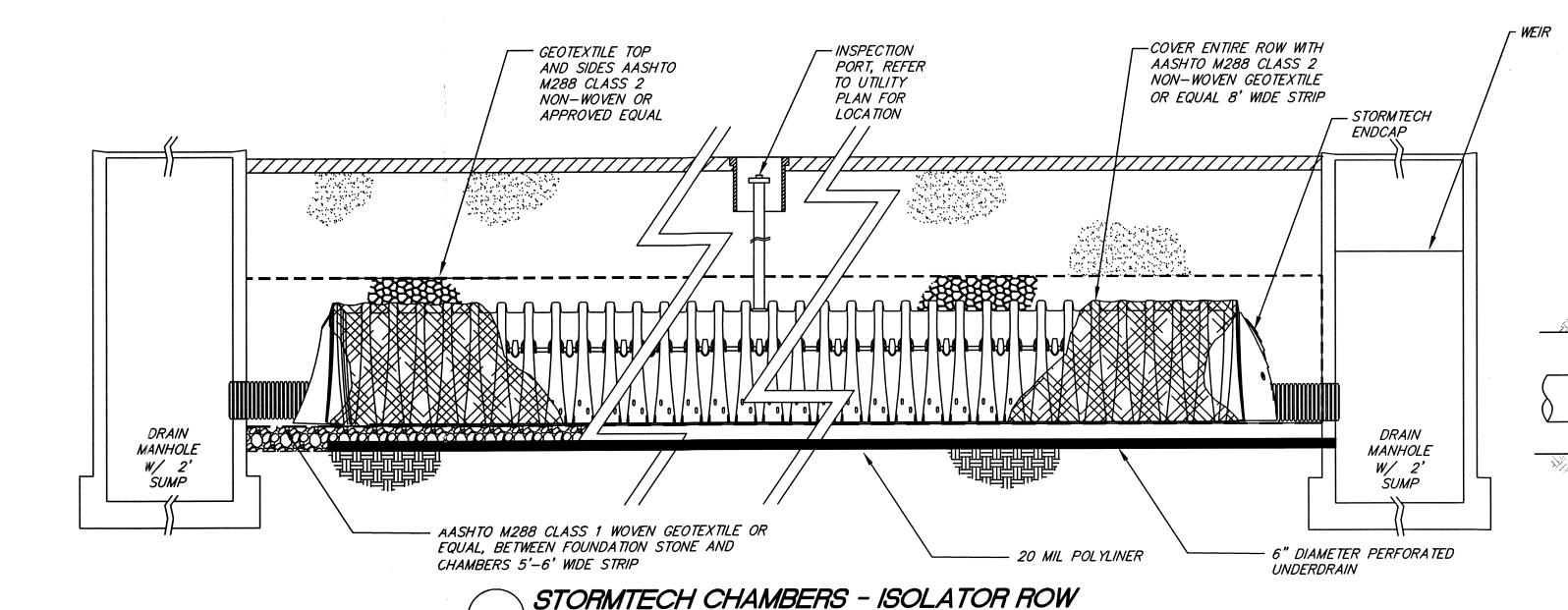
NON-SHRINK GROUT

6" DEPTH OF 2"± CRUSHED STONE-

INVERT

SEAL ALL—

TIGHT WITH



NOT TO SCALE

SIDEWALK .

GRADE LEVEL

FLUSH WITH PAVEMENT

5' MIN

CONCRETE HANDICAP RAMP AT CROSSWALK

NOT TO SCALE

7.5% MAX.

DETECTABLE -

(LOW SIDE

TRANSITION)

WARNING PANEL

RAMP

△7.5% MAX.

(HIGH SIDE

6" PLAIN CEMENT CONCRETE DOWNGRADE

-PAVED-

(0.006 FT/FT)

SIDEWALK

- VERTICAL

#### TEE PLUGGED <u>BEND</u> DIMENSION FOR THRUST BLOCKING 45° BENDS & "Y's" 22 1/2° BENDS SIZES 1'-6" | 1'-6" | 1'-6" | 1'-9" | 1'-3" | 0'-6" | 2'-0" 2'-0" 1'-0" 2'-0" | 1'-6" | 2'-3" | 2'-3" | 1'-8" | 1'-8" 2'-6" | 2'-3" | 2'-9" *3'-6"*

3/4" EXTERIOR PLY. 12" SQUARE

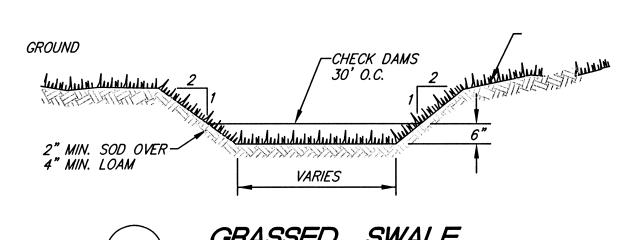
MIN. FOR 12" & SMALLER. (MUST BE GREATER THAN OR EQUAL TO

PIPE DIAMETER.)

- THIS TABLE IS BASED ON 200 P.S.I. MAIN PRESSURE AND 2000 P.S.F. SOIL-BEARING PRESSURE. ADJUST BEARING AREAS IN ACCORDANCE WITH SOIL CONDITIONS AND PRESSURES ENCOUNTERED.
- 2. USE VISQUEEN BARRIER BETWEEN PIPE AND CONCRETE AS SHOWN IN DETAIL ABOVE.
  3. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.
  4. BLOCKING SIZE/FREQUENCY SHALL BE INCREASED IF REQUIRED BY ENGINEER.

THRUST BLOCK SCHEDULE

NOT TO SCALE

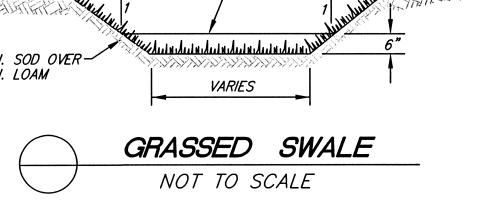


FOR TEE PROVIDE THRUST BLOCKING

FOR BRANCH SIZE.

-UNDISTURBED EARTH-

VISQUEEN BARRIER — BETWEEN PIPE & CONC.



NOTE: CONICAL TOP MAY ALSO BE USED

OMPACTED TO 95% PER ASTM D-1557

- FRAME & COVER S/E LEBARON LK 110 WITH 3" LETTERS "DRAIN"

-MIN. 2 COURSES OF

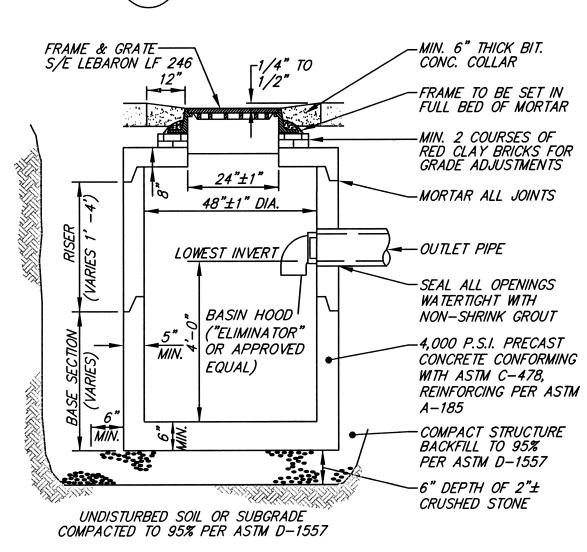
RED CLAY BRICKS
TO BE USED FOR
GRADE ADJUSTMENTS

NON-SHRINK GROUT

-4,000 P.S.I. PRECAST

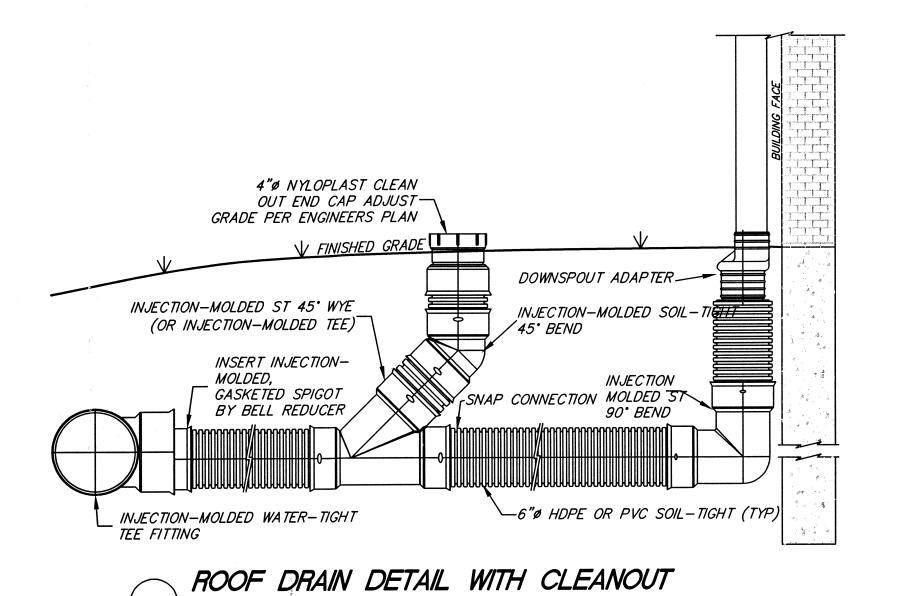
CONCRETE
CONFORMING WITH
ASTM C-478,
REINFORCING PER
ASTM A-185



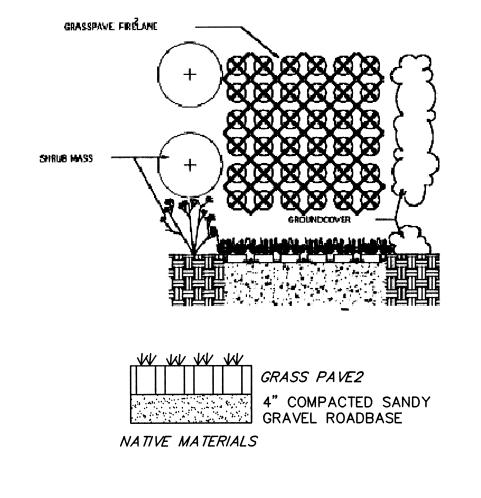


NOTE: CONICAL TOP MAY ALSO BE USED.

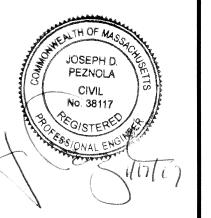
CATCH BASIN WITH HOOD TYPICAL CROSS SECTION NOT TO SCALE



NOT TO SCALE



GRASSPAVE2 FIRELANE



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THE COOLIDGE AT

SUDBURY 2

187-189 BOSTON POST RD SUDBURY, MA

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Key Plan:

**DETAILS** 

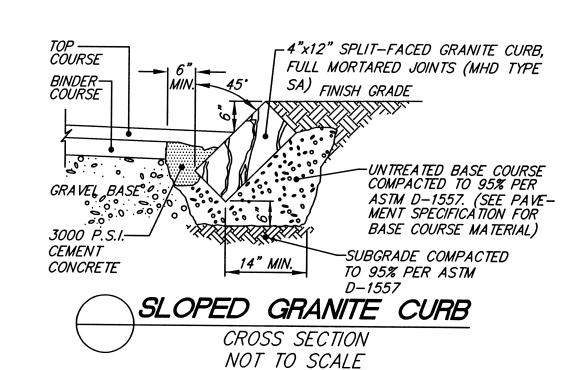
Project Number: 15526

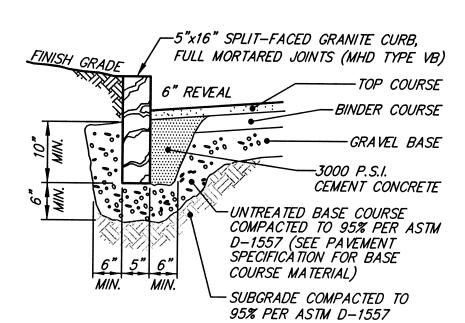
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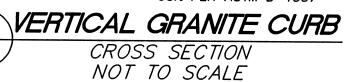
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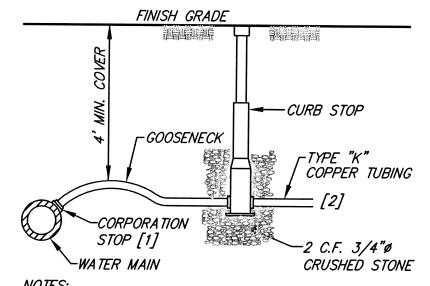
JUNE 29, 2016 Revision Date: JANUARY 17, 2016

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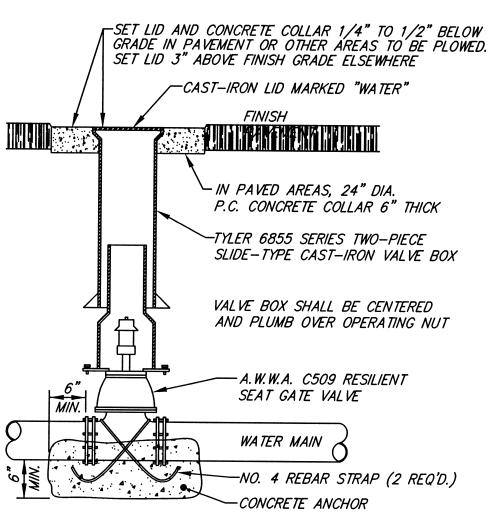


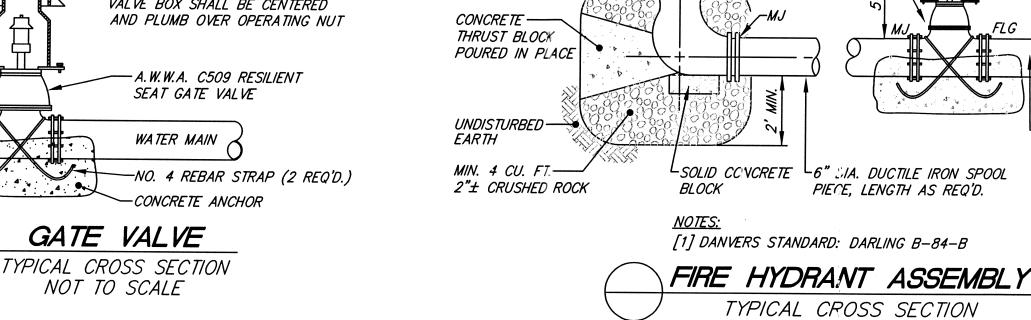


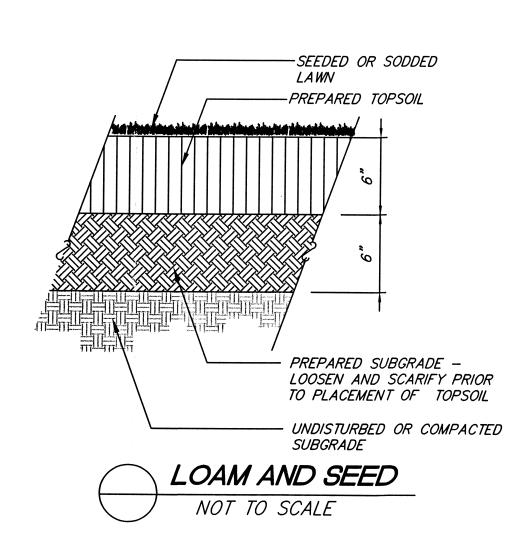


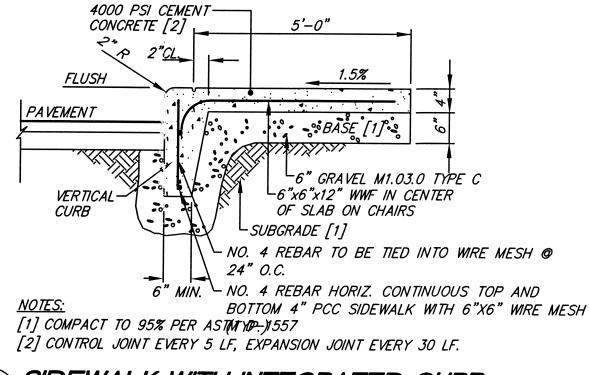
[1] WATER SERVICES LARGER THAN ONE INCH ARE TO BE
RESTRAINED TO MAIN WITH APPROVED SADDLE.
[2] COORDINATE BUILDING CONNECTION WITH PLUMBING DRAWINGS.

## WATER SERVICE TYPICAL PROFILE NOT TO SCALE

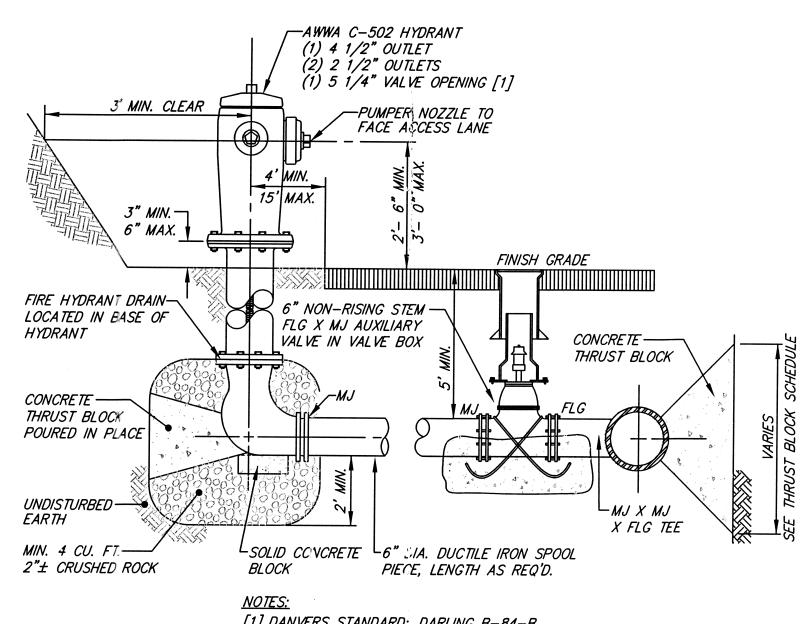


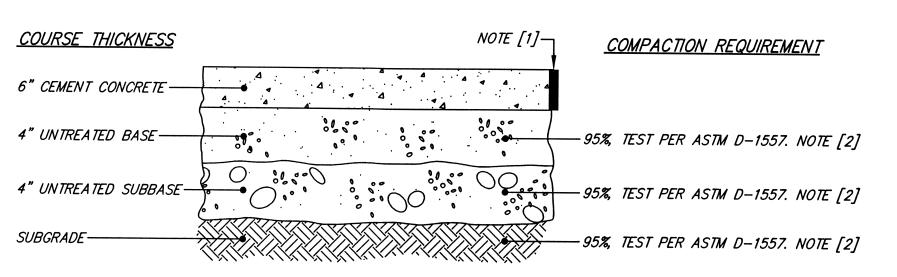






## SIDEWALK WITH INTEGRATED CURB CROSS SECTION NOT TO SCALE

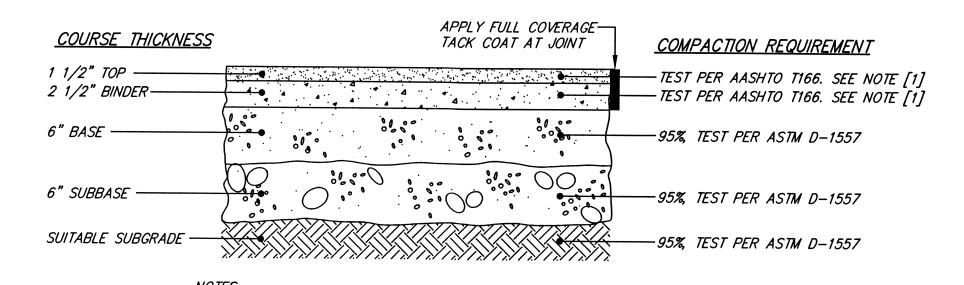




NOTES:
[1] CONTROL JOINT EVERY 10 FEET, EXPANSION JOINT EVERY 50 FEET.
[2] COMPACT TO TEST AVERAGE OF 95%, NO TEST LOWER THAN 93%

MA TERIAL	SPECIFICA TION	MAXIMUM AGGREGATE OR PARTICLE SIZE (IN.)
TOP - CEMENT CONCRETE	MHD M4.02.00 4000 PSI AT 28 DAYS	3/4
BASE - SAND BORROW	MHD M1.04.0 TYPE b	3/8
SUBBASE - GRAVEL BORROW	MHD M1.03.0 TYPE c	2
UNSUITABLE SUBGRADE - ORDINARY BORROW	MHD M1.01.0	12

## CEMENT CONCRETE PAVEMENT TYPICAL CROSS SECTION NOT TO SCALE

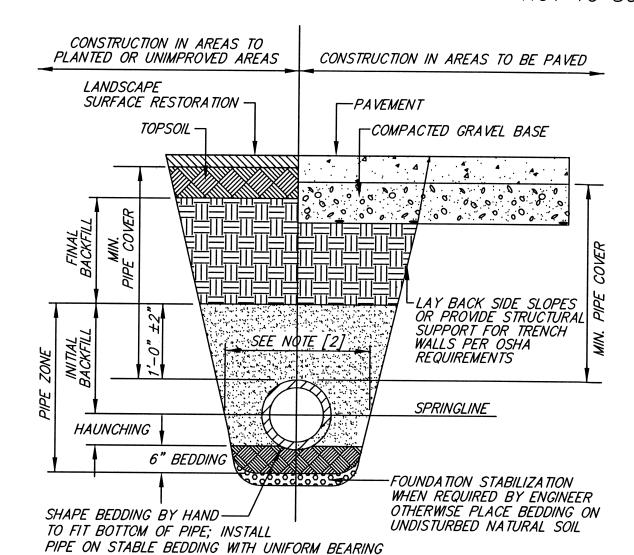


[1] COMPACT TO TEST AVERAGE OF 96%, NO TEST LOWER THAN 94%

MATERIAL	SPECIFICA TION	MAXIMUM AGGREGATE OR PARTICLE SIZE (IN.)
TOP - BITUMINOUS CONCRETE	MHD M3.11.03 CLASS I, TYPE I-1	1/2
BINDER- BITUMINOUS CONCRETE	MHD M3.11.03 CLASS I, TYPE I-1	1
BASE - DENSE GRADED CRUSHED STONE	MHD M2.01.7	1 1/2
SUBBASE - GRAVEL BORROW	MHD M1.03.0 TYPE C	2

### BITUMINOUS CONCRETE PAVEMENT

TYPICAL CROSS SECTION
NOT TO SCALE



UNDER FULL LENGTH OF PIPE BARREL

			¬ NOTES:	
FOUNDATION, BEDDII	VG, & BACKFIL	LL MATERIALS		
PIPE MATERIAL	HDP, PVC	RC, DI	GRANULAR BACKFILL AT OPTIMUM MOISTURE IN	
FOUNDATION STABILIZATION	[6]	[6]	HORIZONTAL, 8"-DEEP, LOOSE LAYERS; COMPACT	
BEDDING	[1]	[1]	TO 95% PER ASTM D-1557.	
HAUNCHING	[1]	[1]	MEASURED AT THE SPRINGLINE OF THE PIPE, INCLUDING ANY	
INITIAL BACKFILL	[1]	[1]	NECESSARY SHEATHING:	E
FINAL BACKFILL	[4]	[4]	PIPE 1.D.   WIDTH	
MIN. PIPE COVER	[5]	[5]	21" TO 42" O.D. + 24" GREATER THAN 42" O.D. + 30"	

[3] INSTALL PIPE IN CENTER OF TRENCH.

[4] IN PLANTED OR UNIMPROVED AREAS, USE ON-SITE EXCAVATED MATERIAL FOR FINAL BACKFILL. COMPACT TO 95% PER ASTM D-1557. IN PAVED AREAS, OBTAIN ENGINEER APROVAL OF ON-SITE EXCAVATED MATERIALS FOR USE AS FINAL BACKFILL.

[5] MINIMUM COVER OVER TOP OF PIPE:

	OTEN TOT OF	, ,, <u>L</u> .
PIPE MATERIAL	HDP, PVC	RC, DI
WA TER	5'-0"	5'-0"
SEWER	4'-0"	4'-0"
DRAIN	1'-6"	1'-0"

[6] FOR FOUNDATION STABILIZATION, USE 2"± CRUSHED STONE.





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