

PROPOSED
MODIFICATION TO
DEFINITIVE SUBDIVISION PLAN
NORTHSIDE FARM

NEW BEDFORD, MA 02745

CITY CLERKS OFFICE
NEW BEDFORD, MA

2017 FEB 10 P 2:14

CITY CLERK

FOR REGISTRY USE ONLY

DRAWING REVISIONS

REVISION DATE DESCRIPTION

GENERAL NOTES:

1. THE SUBJECT PARCEL IS SHOWN AS MAP 130 B 117, 379-387, 392-419.
2. THE VERTICAL DATUM IS THE NEW BEDFORD CITY DATUM.
3. LOCUS LIES WITHIN ZONE "X" AS SHOWN ON FILED MAP #25005C0383G PANEL 383 OF 550 REVISED 2014.
4. BORDERING VEGETATED WETLANDS FLAGS AND 1 STREAM WERE APPROVED BY THE CITY OF NEW BEDFORD CONSERVATION COMMISSION ON 5/13/2016 WITH A DECISION, SE49-0736.

PLAN REFERENCES:

LAND COURT PLAN #23553-A
PLAN BK\PG:
146\104
133\34
130\30
128\79
121\138
121\110
96\23
85\07
62\70
18\49
BOARD OF SURVEY PLAN #S:
24, 39, 39B, 39C, 80
MASS HIGHWAY DEPT. FIELD BOOK #S:
23040 & 27586

APPROVED BY
NEW BEDFORD PLANNING BOARD

DATE: _____

SIGNED: _____

SITE SUMMARY:

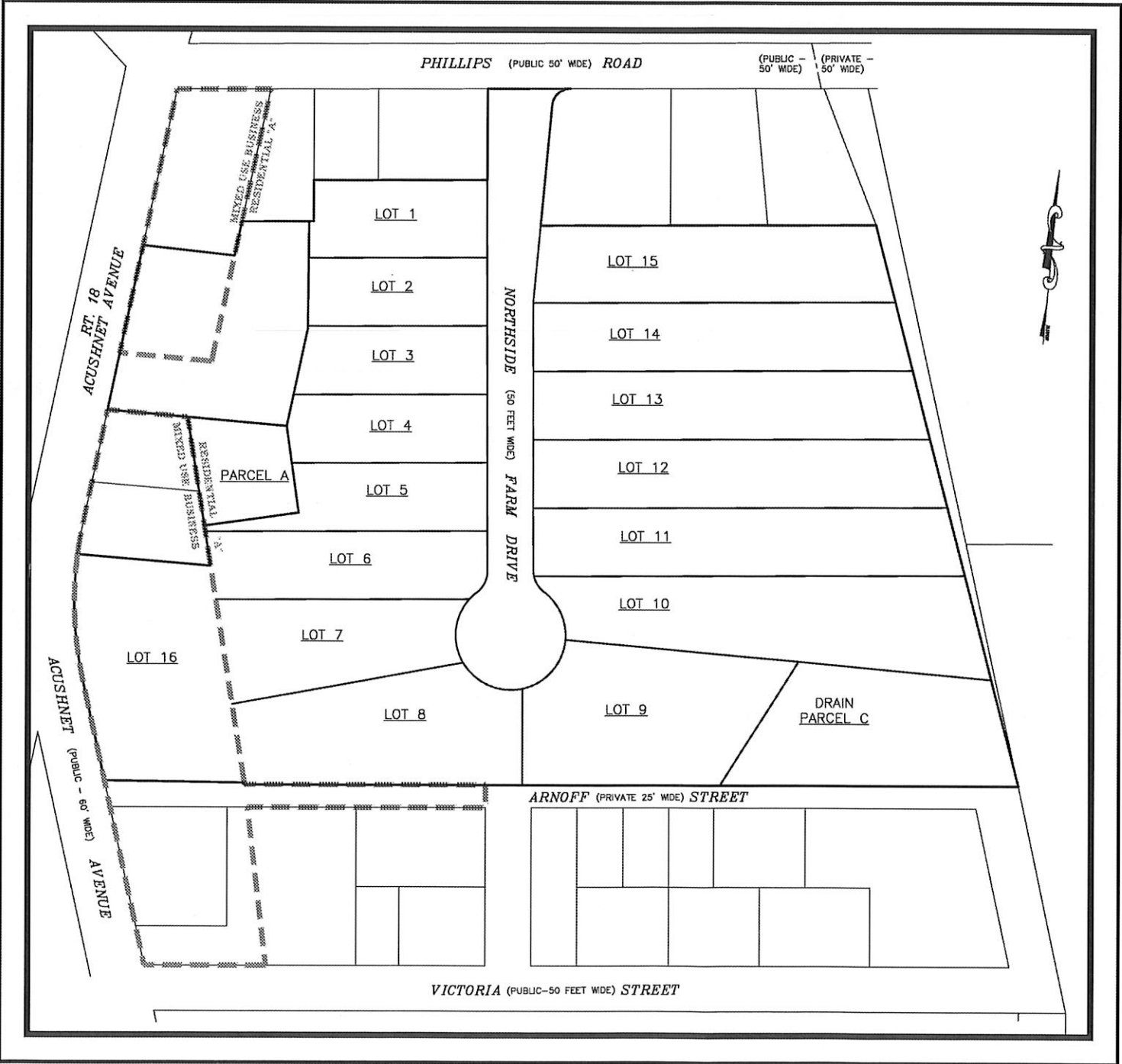
OWNER/APPLICANT: NEW BEDFORD COUSINS LLC
P.O. BOX 36
SCITUATE, MA 02066

ASSESSORS INFORMATION: MAP 130 BLOCK D LOTS
117, 379-387, 392-419

ZONING DISTRICT: RESIDENTIAL A & MIXED
USE BUSINESS

SHEET INDEX:

- TITLE SHEET - TS (SHEET 1 OF 10)
EXISTING CONDITIONS - EC (SHEET 2 OF 10)
LOT LAYOUT - LL (SHEET 3 OF 10)
GRADING & DRAINAGE - GD (SHEET 4 OF 10)
DRAINAGE LAYOUT - DL (SHEET 5 OF 10)
ROADWAY PROFILE - RP (SHEET 6 OF 10)
DETAIL SHEET I - DTI (SHEET 7 OF 10)
DETAIL SHEET II - DTII (SHEET 8 OF 10)
DETAIL SHEET III - DTIII (SHEET 9 OF 10)
STREET TREES & LIGHTING - TL (SHEET 10 OF 10)



LOCUS PLAN:

SCALE: 1" = 80'

I HEREBY CERTIFY THAT 20 DAYS HAVE ELAPSED
SINCE PLANNING BOARD APPROVAL AND THAT NO
APPEAL HAS BEEN FILED IN THIS OFFICE.

CITY OF NEW BEDFORD CLERK DATE

SEE COVENANT DATED _____
RECORDED IN BOOK _____ PAGE _____

ZONING REQUIREMENTS:

ITEM	REQUIRED	PROVIDED
LOT AREA	8,000 SF	8,000 S.F. MIN.
UPLAND (80%)	6,400 SF	> 8,000 S.F.
FRONTAGE	75 FT	75 FT MIN.
FRONT SETBACK	20 FT	20 FT
SIDE SETBACK	10 & 12 FT	10 & 12 FT
REAR SETBACK	30 FT	30 FT MIN.
MAX. BLDG. HEIGHT	45 FT	<45 FT
MAX. LOT COVERAGE	30%	<30%
MIN. GREEN SPACE	35%	>35%

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN
PREPARED IN CONFORMANCE WITH THE RULES AND
REGULATIONS OF THE REGISTERS OF DEEDS.

2/9/17
DATE BRENDAN P. SULLIVAN P.E., P.L.S.



Case 07-17
02/10/2017

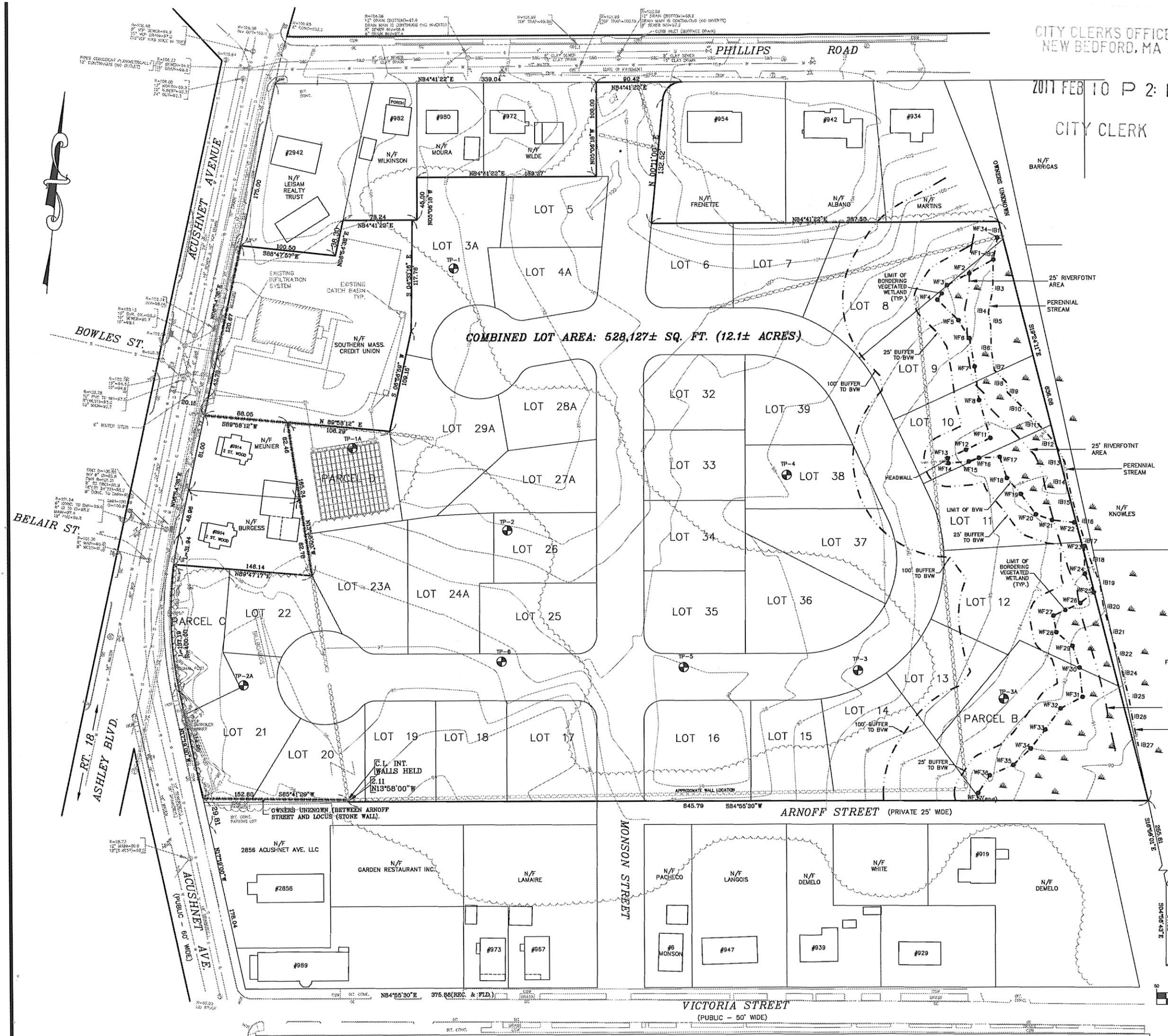
NORTHSIDE FARM
MODIFICATION

TITLE SHEET

CAVANARO CONSULTING
687 MAIN STREET
P.O. BOX 5175
NORWELL, MASSACHUSETTS 02061
PHONE: 781.659.8187
FAX: 781.659.8186

OWNER/APPLICANT:
NEW BEDFORD COUSINS LLC
P.O. BOX 36
SCITUATE, MA 02066

PROJECT NO. : 5005	DRAWING
SCALE : AS SHOWN	TS
DATE : 2/9/17	
DESIGNED BY : BPS	
DRAWN BY : BPS	SHEET NO. 1



CITY CLERKS OFFICE
NEW BEDFORD, MA
2017 FEB 10 P 2:14
CITY CLERK

Performed by: Brendan Sullivan S.E.#2705

TP-1

0	Ap	LOAM	10YR 3/6
12'	B	SANDY/LOAM	10YR 5/8
22'	C1	LAOMY/SAND	2.5Y 6/8
42'	C2	COARSE SAND	2.5Y 6/8
102'			

TP-2

0	Ap	LOAM	10YR 3/6
10'	B	LOAMY SAND	10YR 5/8
18'	C	COARSE SAND	2.5Y 6/8
96"			

TP-3

0	Ap	LOAM	10YR 3/6
10'	B	SANDY/LOAM	10YR 5/8
21'	C1	LAOMY/SAND	2.5Y 6/8
47'	C2	COARSE SAND	2.5Y 6/8
90'			

TP-4

0	Ap	LOAM	10YR 3/6
9'	B	SANDY/LOAM	10YR 5/8
29'	C1	LAOMY/SAND	2.5Y 6/8
53'	C2	COARSE SAND	2.5Y 6/8
107'			

TP-5

0	Ap	LOAM	10YR 3/6
9'	B	SANDY/LOAM	10YR 5/8
19'	C1	LAOMY/SAND	2.5Y 6/4
43'	C2	SAND	2.5Y 6/3
99'			

TP-6

0	Ap	LOAM	10YR 3/6
9'	B	SANDY/LOAM	10YR 5/8
33'	C1	LAOMY/SAND	2.5Y 6/4
72'	C2	SAND	2.5Y 6/8
89'			

Date: July 7, 2006
Performed by: Brendan Sullivan S.E.#2705

TP-1A

0	Ap	LOAM	10YR 4/2
24'	C1	MEDIUM SAND	10YR 7/4
96'	C2	COARSE SAND	10YR 6/6
120'			

TP-2A

0	Ap	LOAM	10YR 4/2
12'	B	LOAMY SAND	10YR 6/1
40'	C1	COARSE SAND	10YR 6/6
80'	C2	COARSE SAND	10YR 6/6
92.0			

TP-3A

0	Ap	LOAM	10YR 4/2
16'	B	MEDIUM SAND	10YR 6/8
24'	C1	COARSE SAND	10YR 6/6
45'	C2	COARSE SAND	10YR 6/6
90.2			

LEGEND

- CB CATCH BASIN
- CB/CATCH BASIN & CURB INLET
- EM ELECTRIC MANHOLE
- TM TELEPHONE MANHOLE
- SM SEWER MANHOLE
- WM WATER MANHOLE
- DM DRAIN MANHOLE
- WV WATER VALVE
- WS WATER SHUT OFF
- GV GAS VALVE
- LP LIGHT POLE
- UP UTILITY POLE & LIGHT POLE
- UA GUY ANCHOR
- OW OVERHEAD WIRE
- SB STONE BOUND
- SBH DRILL HOLE
- SBH/PLUG STONE BOUND WITH DRILL HOLE
- SBH/PLUG STONE BOUND WITH PLUG
- CBH CONC. BOUND WITH DRILL HOLE
- N/F NOW OR FORMERLY
 H.T.S. RECORD QUANTITY | F.L.D. FIELD MEASURED QUANTITY | CC CALC. QUANTITY | CC GRANITE CURB | CC CONCRETE CURB | CC CONCRETE SIDEWALK | CC HANDICAP RAMP | CC CALC. QUANTITY |

Case 07-17
02/10/2017

GRAPHIC SCALE

(IN FEET)
1 inch = 60 ft.

DRAWING REVISIONS

ACTION	DATE	DESCRIPTION

OWNER OF RECORD:

NEW BEDFORD COUSINS LLC
P.O. BOX 36
SCITUATE, MA 02065
DEED BOOK: 7734, PAGE: 340

GENERAL NOTES:

1. THE VERTICAL DATUM IS THE NEW BEDFORD CITY
2. UTILITIES LOCATIONS AS SHOWN RESULT FROM A FIELD SURVEY AS WELL AS COMPILED RECORD INFO
3. LOCUS LIES WITHIN ZONE "X" AS SHOWN ON FIRE INSURANCE PANEL #2500500393G PANEL 383 OF 550 REVISED JULY 16, 2014.
4. BORDERING VEGETATED WETLANDS FLAGS AND IN-TENT STREAM FLAGS WERE SET BY JOHN ZIMMER, P.E. IN NOVEMBER 2015.
5. A COMPLETE ENCROACHMENT SURVEY WAS NOT PERFORMED AT THIS TIME.

PLAN REFERENCES:

LAND COURT PLAN #23553-A

PLAN BK\PG:

146\104	128\79	96\23
133\34	121\138	85\07
130\30	121\110	82\70

BOARD OF SURVEY PLAN #S: 24, 39, 39B, 39C,
MASS HIGHWAY DEPT. FIELD BOOK #S: 23040 &

APPROVED BY
NEW BEDFORD PLANNING BOARD

DATE: _____

SIGNED: _____

**NORTHSIDE FALLS
MODIFICATION
EXISTING
CONDITIONS**

CAVANARO CONSULTING
687 MAIN STREET
P.O. BOX 5175
NORWELL, MASSACHUSETTS 02061
PHONE: 781.659.8187
FAX: 781.659.8186

OWNER/APPLICANT:

NEW BEDFORD COUSINS LLC
P.O. BOX 36
SCITUATE, MA 02065

PROJECT NO. : 5005	DRAWING NO. : 02
SCALE : AS SHOWN	
DATE : 2/9/17	
DESIGNED BY : BPS	
DRAWN BY : BPS	SHEET NO. 2
CHECKED BY : JRC	FILENAME:



***NORTHSIDE FARMS
MODIFICATION
LOT LAYOUT***

CAVANARO CONSULTING

687 MAIN STREET
P.O. BOX 5175
NORWELL, MASSACHUSETTS 02061

PHONE: 781.659.8187
FAX: 781.659.8186

OWNER/APPLICANT:

NEW BEDFORD COUSINS
P.O. BOX 36
SCITUATE, MA 02066

PROJECT NO. : 5005	
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SCALE : AS SHOWN

DATE : 2/9/17

DESIGNED BY : BPS

DRAWING

LL

SHEET NO. 3 of 3

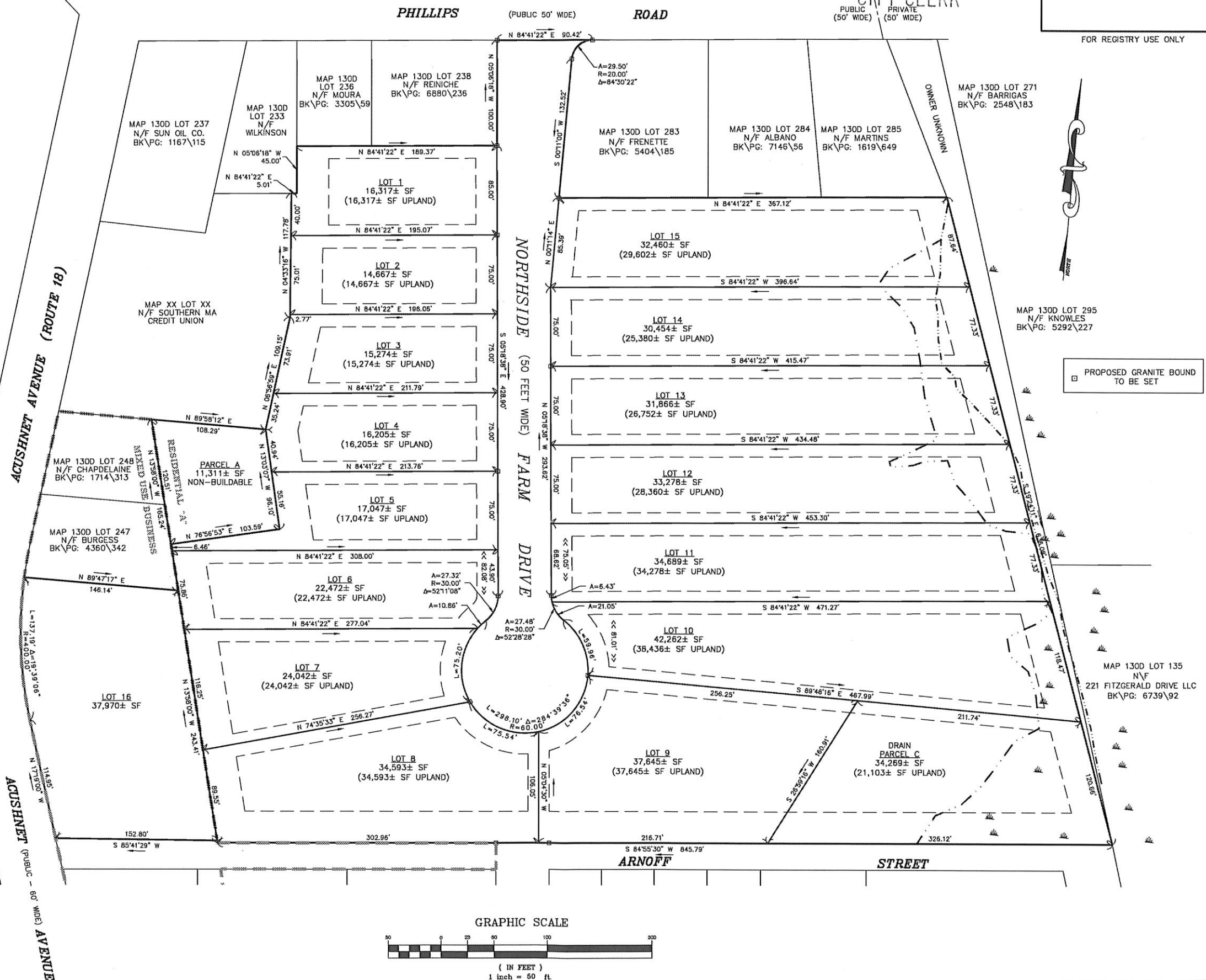
Case 07-17
02/10/2017



APPROVED BY
NEW BEDFORD PLANNING BOARD
UNDER THE SUBDIVISION
CONTROL LAW

DATE: _____

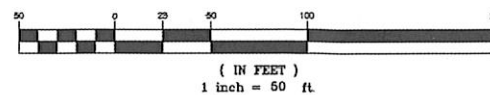
SIGNED: _____

[illegible]

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN
PREPARED IN CONFORMANCE WITH THE RULES AND
REGULATIONS OF THE REGISTERS OF DEEDS.

DATE _____ BRENDAN P. SULLIVAN P.E.,P.L.S.

GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft

CITY CLERKS OFFICE
NEW BEDFORD, MA

2017 FEB 10 P 2:14

CITY CLERK

APPROVED BY
NEW BEDFORD PLANNING BOARD
UNDER THE SUBDIVISION
CONTROL LAW

DATE: _____

SIGNED: _____

GENERAL NOTES:

1. PROPERTY LINE INFORMATION SHOWN ON THIS PLAN IS BASED ON AN INSTRUMENT SURVEY PERFORMED BY AN ASSESSOR'S MAPS AND RECORDED DEED INFORMATION.
2. EXISTING UNDERGROUND UTILITIES SHOWN ARE A CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO REMOVAL.
3. PROPOSED GAS SERVICE CONNECTION SHALL BE BY THE LOCAL GAS SERVICE PROVIDER. CONSTRUCTION OF THE GAS CONNECTION ARE AVAILABLE AT THE

LEGEND

—	PROPERTY LINE
—	PROP. TELEPHONE, ELECTRIC
—	EX GAS LINE
—	PROPOSED GAS LINE
—	EX WATER LINE
—	PROPOSED WATER LINE
—	EXISTING SEWER LINE
—	PROPOSED SEWER LINE
—	EXISTING DRAIN LINE
—	PROPOSED DRAIN LINE
—	EXISTING HYDRANT
—	PROPOSED HYDRANT
—	EXISTING WATER VALVE
—	PROPOSED WATER VALVE
—	EXISTING CATCH BASIN
—	PROPOSED CATCH BASIN
—	EXISTING DRAIN MANHOLE
—	PROPOSED DRAIN MANHOLE
—	TREE LINE
—	TYP. TYPICAL
—	CLDI CEMENT LINED DUCTILE IRON
—	TBA TO BE ABANDONED
—	PROPOSED THRUST BLOCK

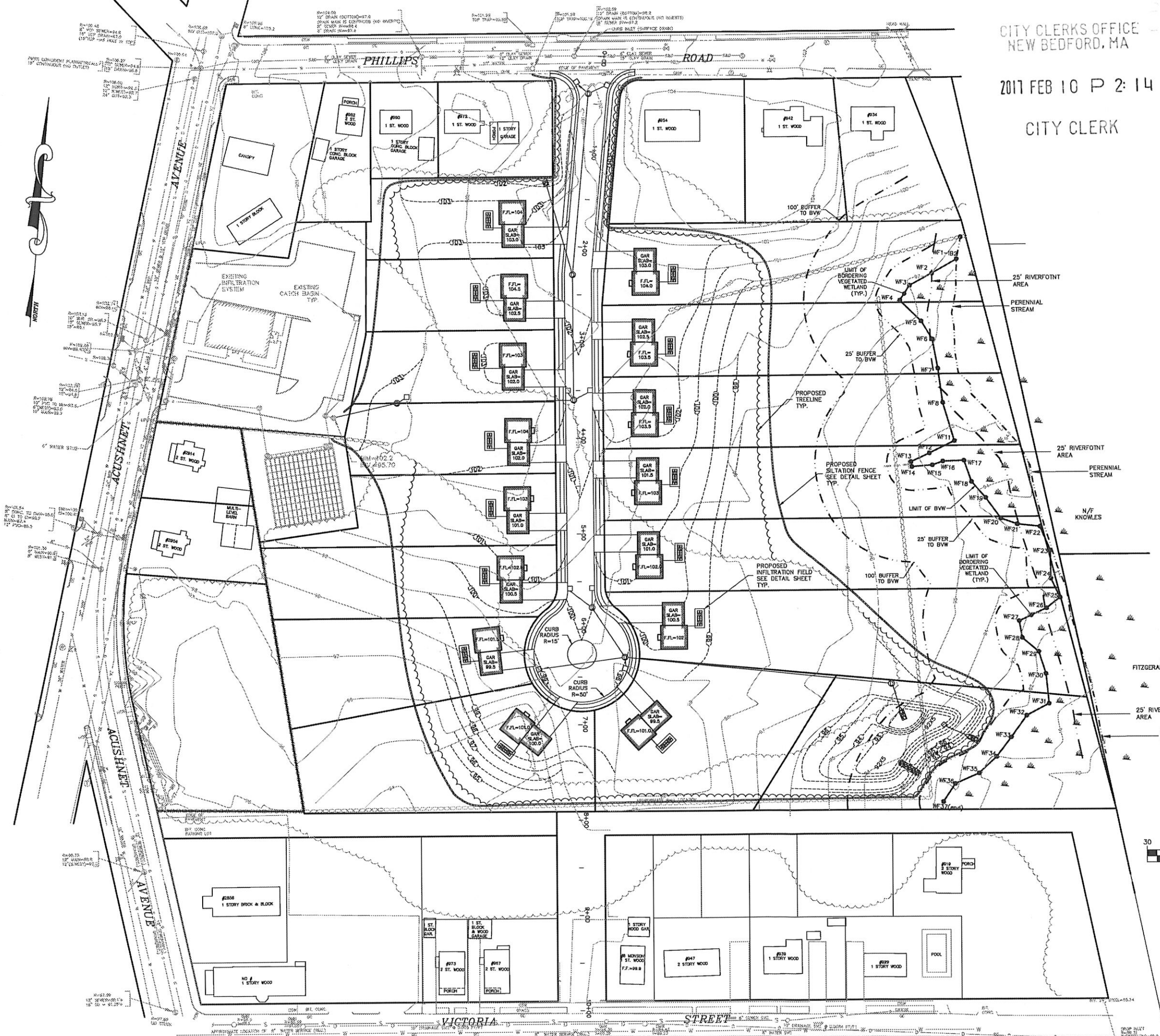
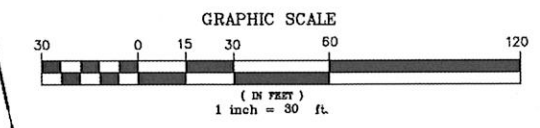


**NORTHSIDE FALLS
MODIFICATION
GRADING &
DRAINAGE**

CAVANARO CONSULT
687 MAIN STREET
P.O. BOX 5175
NORWELL, MASSACHUSETTS 02061
PHONE: 781.659.8187
FAX: 781.659.8186

OWNER/APPLICANT:
NEW BEDFORD COUNTRY CLUB
P.O. BOX 36
SCITUATE, MA 02026

PROJECT NO. : 5005	DRAWING NO. : 1
SCALE : AS SHOWN	
DATE : 2/9/17	
DESIGNED BY : BPS	
DRAWN BY : BPS	SHEET NO. : 4
CHECKED BY : BPS	FILENAME :

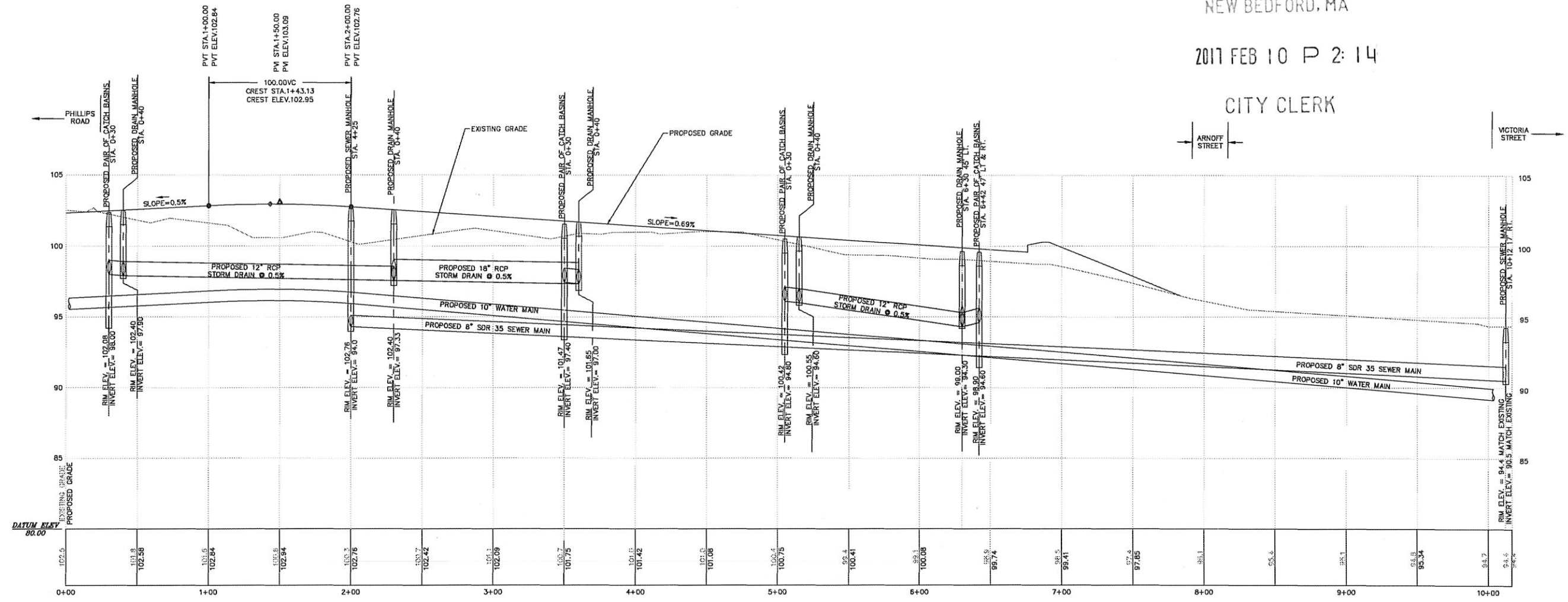


Case 07-17
02/10/2017

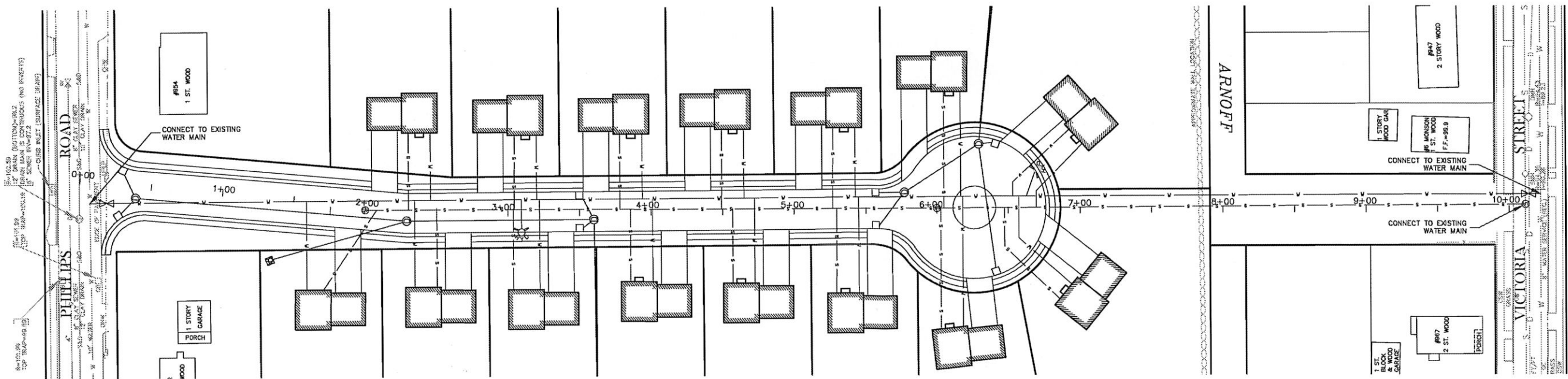
CITY CLERKS OFFICE
NEW BEDFORD, MA

2017 FEB 10 P 2:14

CITY CLERK



PROFILE - NORTHSIDE FARM DRIVE
SCALE
HORIZONTAL 1" = 40'
VERTICAL 1" = 4'



PLAN - NORTHSIDE FARM DRIVE
SCALE
1" = 40'

DRAWING REVISIONS

ACTION	DATE	DESCRIPTION

GENERAL NOTES:

- PROPERTY LINE INFORMATION SHOWN ON THIS PLAN IS BASED ON AN INSTRUMENT SURVEY PERFORMED BY THE LOCAL ASSESSOR'S MAPS AND RECORDED DEED INFORMATION.
- EXISTING UNDERGROUND UTILITIES SHOWN ARE A CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO REMOVAL.
- PROPOSED GAS SERVICE CONNECTION SHALL BE BY THE LOCAL GAS SERVICE PROVIDER. CONSTRUCTION OF THE GAS CONNECTION ARE AVAILABLE AT THE ()
- PROPOSED ELECTRICAL SERVICE CONNECTION FROM NEAREST UTILITY POLE SHALL BE INSTALLED BY THE ELECTRIC SERVICE PROVIDER.
- PROPOSED WATER SERVICE CONNECTION SHALL BE NEAREST MAIN LINE BRANCH IN ACCORDANCE WITH NEW BEDFORD WATER DEPARTMENT STANDARDS.
- ALL SANITARY SEWER CONNECTIONS SHALL BE APPROVED BY THE CITY OF NEW BEDFORD ENGINEER DEPARTMENT PRIOR TO CONSTRUCTION.

LEGEND

—	PROPERTY LINE
—	TEC — PROP. TELEPHONE, ELECTRIC
—	EX GAS LINE
—	G — PROPOSED GAS LINE
—	W — EX WATER LINE
—	S — PROPOSED WATER LINE
—	S — EXISTING SEWER LINE
—	S — PROPOSED SEWER LINE
—	D — EXISTING DRAIN LINE
—	D — PROPOSED DRAIN LINE
—	EXISTING HYDRANT
—	PROPOSED HYDRANT
—	EXISTING WATER VALVE
—	PROPOSED WATER VALVE
—	EXISTING CATCH BASIN
—	PROPOSED CATCH BASIN
—	EXISTING DRAIN MANHOLE
—	PROPOSED DRAIN MANHOLE
—	TREE LINE
—	TYP. — TYPICAL
—	CLDI — CEMENT LINED DUCTILE IRON
—	TBA — TO BE ABANDONED
—	— PROPOSED THRUST BLOCK

BRENDAN P. SULLIVAN
No. 40922
REGISTERED PROFESSIONAL LAND SURVEYOR

BRENDAN P. SULLIVAN
CIVIL
No. 41358
REGISTERED PROFESSIONAL ENGINEER

NORTHSIDE FARM DRIVE
MODIFICATION
ROADWAY
PROFILE

CAVANARO CONSULTING
687 MAIN STREET
P.O. BOX 5175
NORWELL, MASSACHUSETTS 02061
PHONE: 781.659.8187
FAX: 781.659.8186

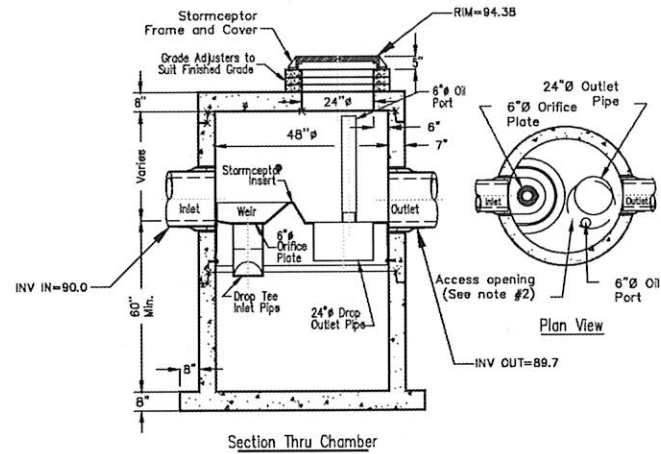
OWNER/APPLICANT:
NEW BEDFORD COUNCIL
P.O. BOX 36
SCITUATE, MA 020

PROJECT NO. : 5005
SCALE : AS SHOWN
DATE : 2/9/17
DESIGNED BY : BPS
DRAWN BY : BPS

DRAWING NO. : 6
SHEET NO. : 6

Case 07-17
02/10/2017

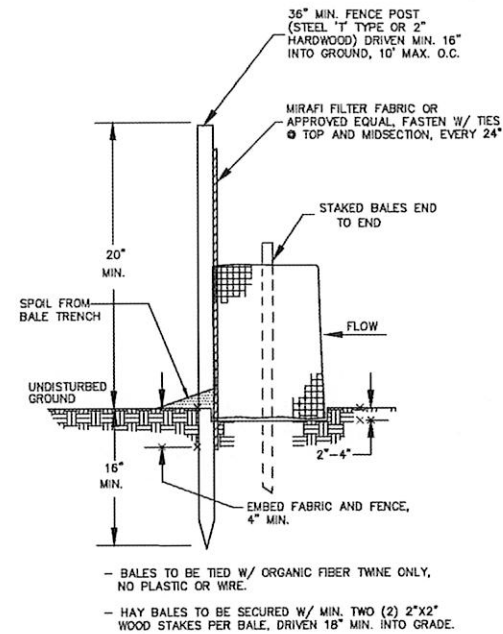
STC 450I Precast Concrete Stormceptor
(450 U.S. Gallon Capacity)



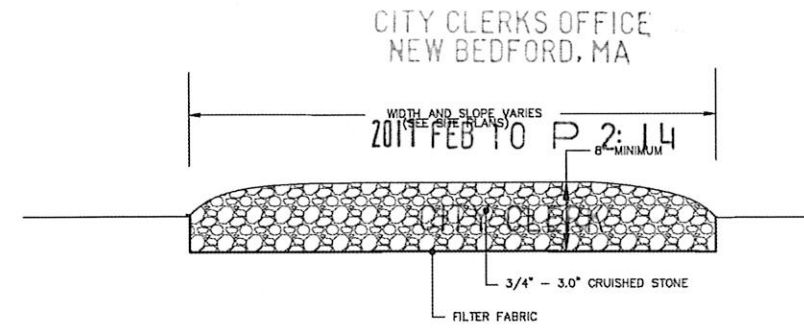
- Notes:
1. The Use Of Flexible Connection Is Recommended At The Inlet And Outlet Where Applicable.
 2. The Cover Should Be Positioned Over The Outlet Drop Pipe And The Oil Port.
 3. The Stormceptor System is protected by one or more of the following U.S. Patents: #4985148, #5498331, #5725760, #5753115,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

Rinker 029

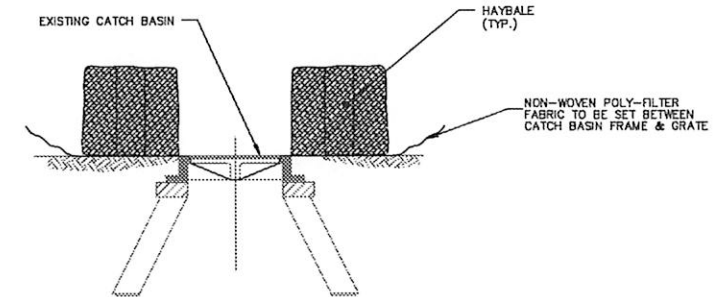
STORMCEPTOR DETAIL
NOT TO SCALE



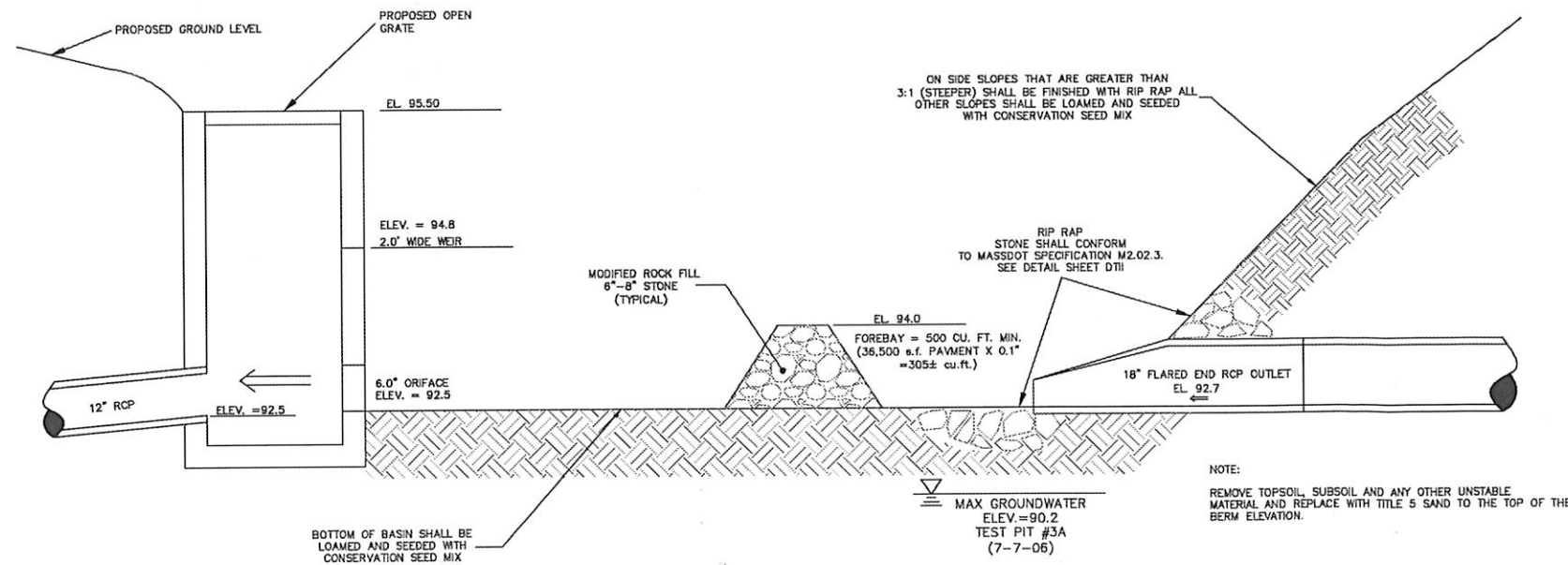
HAYBALE WITH SILT FENCE
NOT TO SCALE



CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

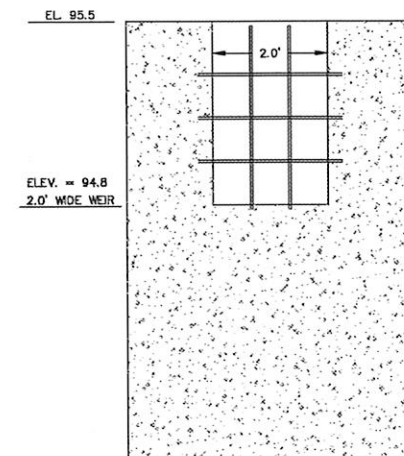


STRAWBALE EROSION CHECK
NOT TO SCALE



INFILTRATION POND - CROSS SECTION
NOT TO SCALE

INFILTRATION POND DETAILS



DRAINAGE STRUCTURE - FRONT VIEW
NOT TO SCALE

DRAWING REVISIONS		
ACTION	DATE	DESCRIPTION

GENERAL NOTES:

1. PROPERTY LINE INFORMATION SHOWN ON THIS PLAN IS BASED ON AN INSTRUMENT SURVEY PERFORMED BY A CONSULTING ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO CONSTRUCTION.
2. EXISTING UNDERGROUND UTILITIES SHOWN ARE A CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO CONSTRUCTION.
3. PROPOSED GAS SERVICE CONNECTION SHALL BE BY THE LOCAL GAS SERVICE PROVIDER. CONSTRUCTION OF THE GAS CONNECTION ARE AVAILABLE AT THE TIME OF CONSTRUCTION.
4. PROPOSED ELECTRICAL SERVICE CONNECTION FROM NEAREST UTILITY POLE SHALL BE INSTALLED BY THE ELECTRIC SERVICE PROVIDER.
5. PROPOSED WATER SERVICE CONNECTION SHALL BE BY THE LOCAL WATER SERVICE PROVIDER. CONSTRUCTION OF THE WATER CONNECTION ARE AVAILABLE AT THE TIME OF CONSTRUCTION.
6. ALL SANITARY SEWER CONNECTIONS SHALL BE APPROVED BY THE CITY OF NEW BEDFORD ENGINEER DEPARTMENT PRIOR TO CONSTRUCTION.

LEGEND

PROPERTY LINE	
TEC	PROP. TELEPHONE, ELECTRIC
EX	EX. GAS LINE
G	PROPOSED GAS LINE
W	EX. WATER LINE
W	PROPOSED WATER LINE
S	EXISTING SEWER LINE
S	PROPOSED SEWER LINE
D	EXISTING DRAIN LINE
D	PROPOSED DRAIN LINE
H	EXISTING HYDRANT
H	PROPOSED HYDRANT
WV	EXISTING WATER VALVE
WV	PROPOSED WATER VALVE
C	EXISTING CATCH BASIN
C	PROPOSED CATCH BASIN
M	EXISTING DRAIN MANHOLE
M	PROPOSED DRAIN MANHOLE
T	TREE LINE
TYP.	TYPICAL

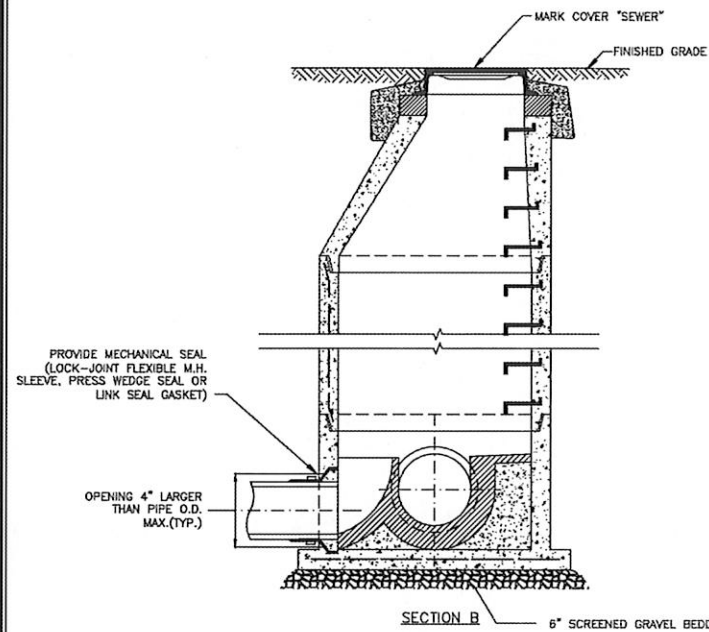
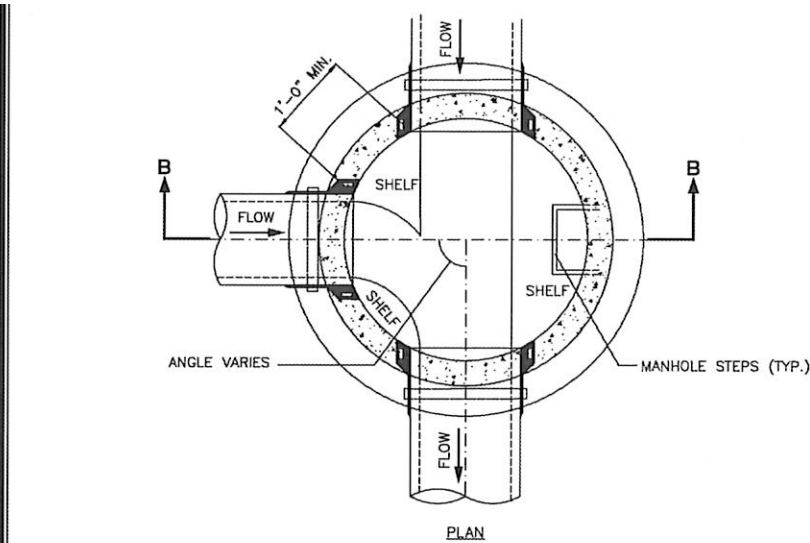


NORTHSIDE FA
MODIFICATIO
DETAIL SHEET

CAVANARO CONSULT
687 MAIN STREET
P.O. BOX 5175
NORWELL, MASSACHUSETTS 02061
PHONE: 781.659.8187
FAX: 781.659.8186

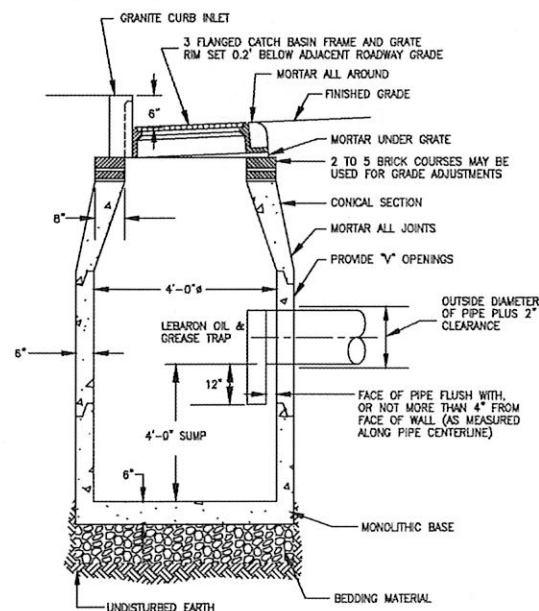
NEW BEDFORD COUN
P.O. BOX 36
SCITUATE, MA 0200

PROJECT NO. : 5005	DRAWING
SCALE : AS SHOWN	D
DATE : 2/9/17	
DESIGNED BY : BPS	
DRAWN BY : BPS	
SHEET NO. : 7	EN

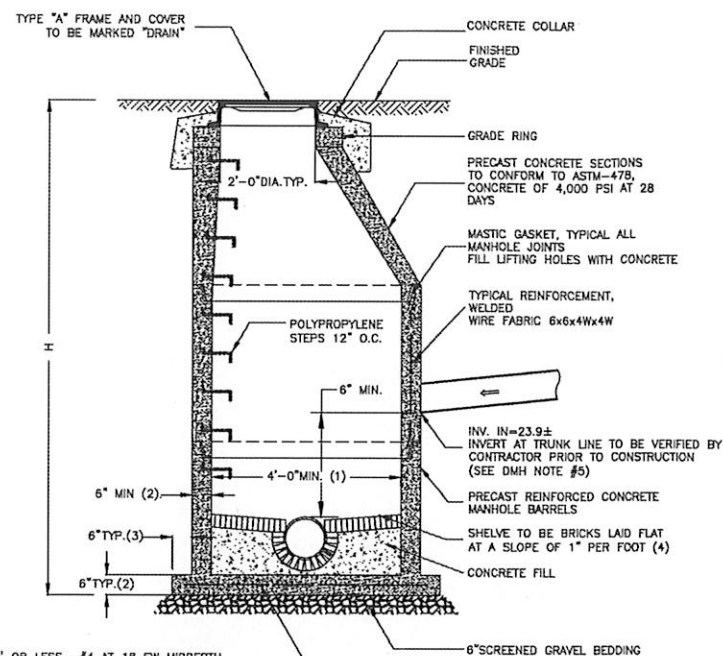


PRECAST CONCRETE SEWER MANHOLE
N.T.S.

LEBARON CAST IRON OIL AND GREASE TRAP TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.



DEEP SUMP CATCH BASIN
NOT TO SCALE

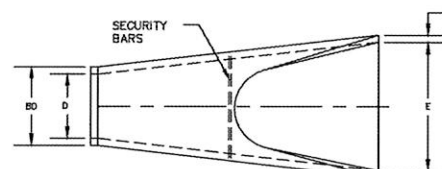
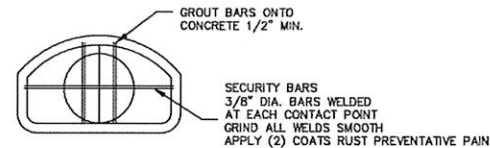


H= 10' OR LESS - #4 AT 18 EW MIDDEPTH
H= 10' TO 20' - #4 AT 12 EW MIDDEPTH
H= 20' TO 30' - #5 AT 12 EW MIDDEPTH
IN ADDITION TO WELDED WIRE FABRIC

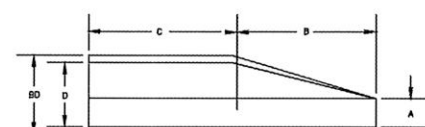
DRAINAGE MANHOLE
NOT TO SCALE

DRAINAGE MANHOLE NOTES:

- 5'-0" DIAMETER FOR ALL MANHOLE DEPTHS GREATER THAN 20 FEET OR WHEN ORDERED BY THE ENGINEER.
- 8" MIN. WALL THICKNESS AND 7 INCH MIN. BASE THICKNESS WITH 5'-0" DIAMETER MANHOLES.
- 6 INCH LIP OPTIONAL UNLESS OTHERWISE NOTED.
- CONCRETE INVERT AND SHELF MAY BE SUBSTITUTED IN STORM DRAIN MANHOLES AS DIRECTED BY THE ENGINEER.



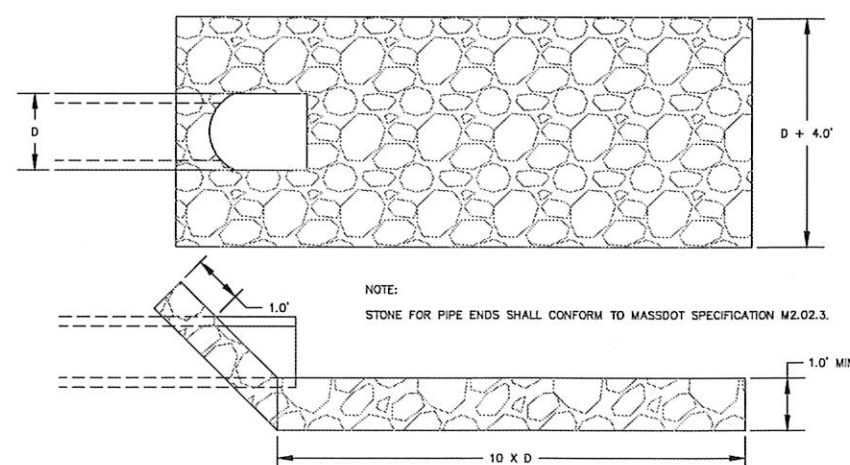
PLAN - OUTLET
NOT TO SCALE



PLAN - OUTLET
NOT TO SCALE

FLARED END DIMENSIONS						
DIAMETER	A	B	BD	C	D	E
12"	4"	2'	1.7'	4'	4.5'	2.0'
18"	9.5"	3.6'	3.0'	2.5'	3.0'	4.0'

PRECAST CONCRETE FLARED END DETAIL
NOT TO SCALE



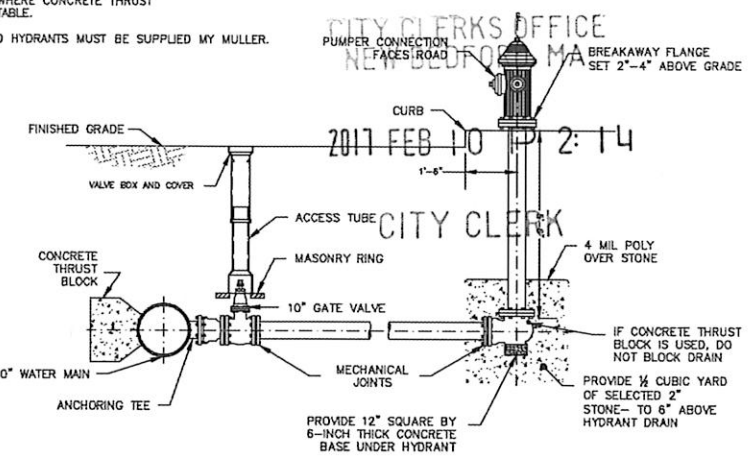
NOTE:
STONE FOR PIPE ENDS SHALL CONFORM TO MASSDOT SPECIFICATION M2.02.3.

RIP RAP END DETAIL
NOT TO SCALE

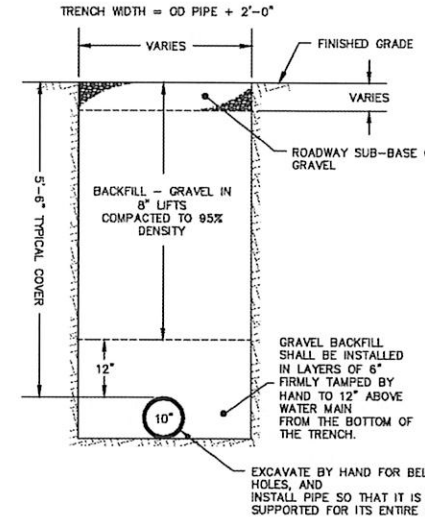
SEWER AND DRAINAGE DETAILS

HYDRANT NOTES:

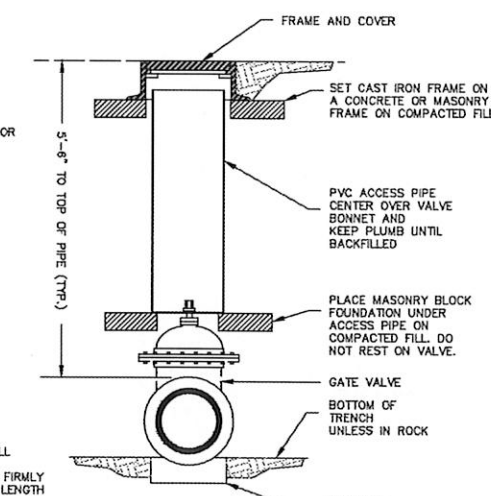
- CONCRETE THRUST BLOCK TO BE USED ONLY WHERE IT WILL BEAR ON UNDISTURBED EARTH.
- USE RESTRAINED JOINT FITTINGS (MEGALUG OR APPROVED EQUAL) WHERE CONCRETE THRUST BLOCK IS UNACCEPTABLE.
- ALL FITTINGS AND HYDRANTS MUST BE SUPPLIED BY MULLER.



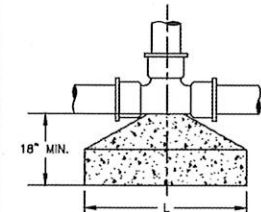
TYPICAL HYDRANT BRANCH ASSEMBLY
NOT TO SCALE



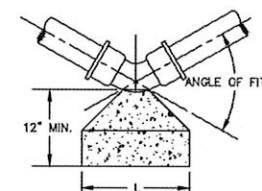
TYPICAL WATER MAIN TRENCH DETAIL
NOT TO SCALE



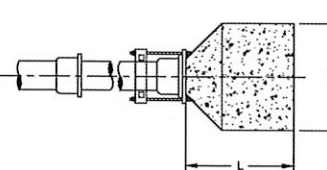
TYPICAL WATER GATE VALVE
NOT TO SCALE



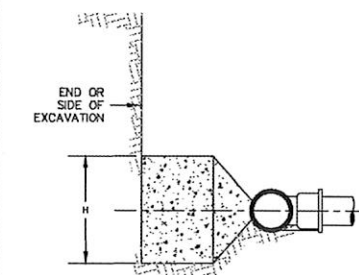
PLAN - TEE



PLAN - BEND



PLAN - DEAD END



TYPICAL SECTION
(FOR TEES, BENDS & DEAD ENDS)

THRUST BLOCK DIMENSIONS									
DIAMETER	TEE	1/4 BEND	1/8 BEND	1/16 BEND	DEAD END	TEE	1/4 BEND	1/8 BEND	1/16 BEND
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
8"	1'-2"	1'-2"	1'-3"	1'-3"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
10"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"	1'-6"

THRUST BLOCK NOTES:

- CONCRETE SHALL BE 3,000 PSI
- THRUST BLOCKS SHALL BEAR ON UNDISTURBED EARTH.
- PIPE JOINTS SHALL NOT BE BLOCKED BY CEMENT.
- DIMENSIONS SHOWN ARE MINIMUM DISTANCES.
- GATE VALVES SHALL BE SET ON CONCRETE OR BLOCKING APPROVED BY ENGINEER.

CONCRETE THRUST BLOCKS
NOT TO SCALE

WATER LINE DETAILS

GENERAL NOTES:

- PROPERTY LINE INFORMATION SHOWN ON THIS BASED ON AN INSTRUMENT SURVEY PERFORMED CONSULTING USING INFORMATION COMPILED FROM ASSESSOR'S MAPS AND RECORDED DEED INFORMATION.
- EXISTING UNDERGROUND UTILITIES SHOWN ARE CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR REMOVAL.
- PROPOSED GAS SERVICE CONNECTION SHALL BE BY THE LOCAL GAS SERVICE PROVIDER. CONSTRUCTION OF THE GAS CONNECTION ARE AVAILABLE AT THE
- PROPOSED ELECTRICAL SERVICE CONNECTION F NEAREST UTILITY POLE SHALL BE INSTALLED BY A ELECTRIC SERVICE PROVIDER.
- PROPOSED WATER SERVICE CONNECTION SHALL, NEAREST MAIN LINE BRANCH IN ACCORDANCE WITH NEW BEDFORD WATER DEPARTMENT STANDARDS.
- ALL SANITARY SEWER CONNECTIONS SHALL BE APPROVED BY THE CITY OF NEW BEDFORD ENGINE DEPARTMENT PRIOR TO CONSTRUCTION.

LEGEND

—	PROPERTY LINE
—	PROP. TELEPHONE, ELECT
—	EX GAS LINE
—	PROPOSED GAS LINE
—	EX WATER LINE
—	PROPOSED WATER LINE
—	EXISTING SEWER LINE
—	PROPOSED SEWER LINE
—	EXISTING DRAIN LINE
—	PROPOSED DRAIN LINE
—	EXISTING HYDRANT
—	PROPOSED HYDRANT
—	EXISTING WATER VALVE
—	PROPOSED WATER VALVE
—	EXISTING CATCH BASIN
—	PROPOSED CATCH BASIN
—	EXISTING DRAIN MANHOLE
—	PROPOSED DRAIN MANHOLE
—	TREE LINE
—	TYP.



**NORTHSIDE FA
MODIFICATIO
DETAIL SHEET**

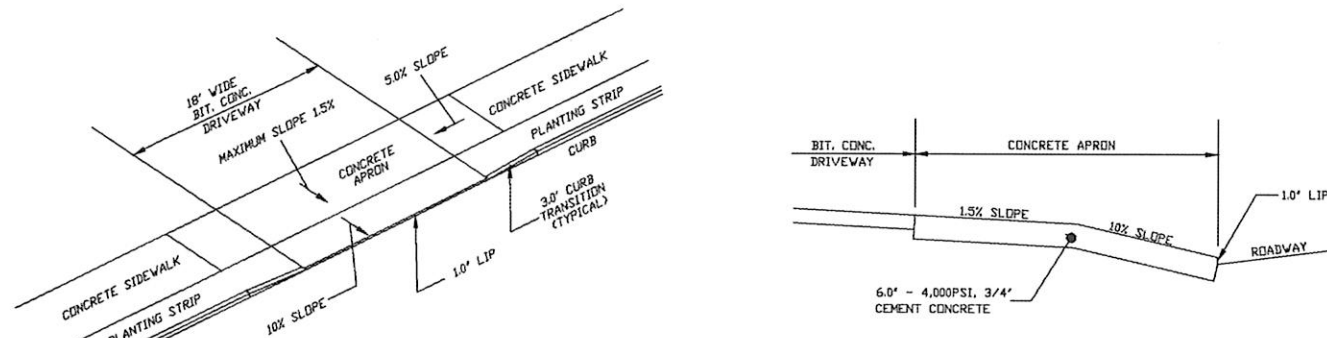
CAVANARO CONSULT
687 MAIN STREET
P.O. BOX 5175
NORWELL, MASSACHUSETTS 02061
PHONE: 781.659.8187
FAX: 781.659.8186

OWNER/APPLICANT:
NEW BEDFORD COUN
P.O. BOX 36
SCITUATE, MA 020

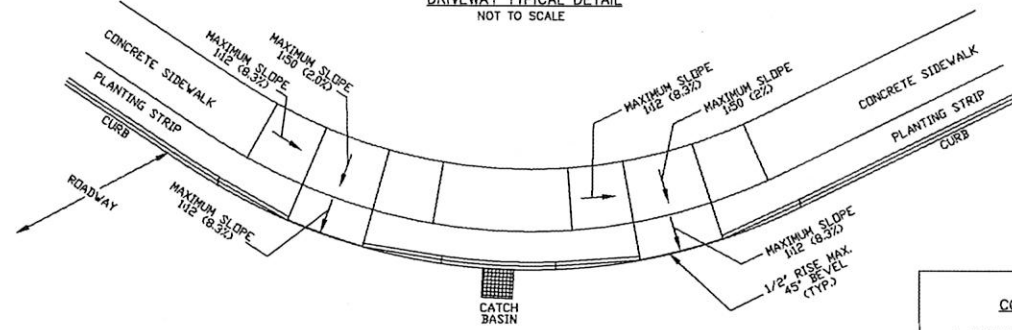
PROJECT NO. : 5005	DRAWING
SCALE : AS SHOWN	D1
DATE : 2/7/17	
DESIGNED BY : BPS	
DRAWN BY : BPS	SHEET NO. 8
CHECKED BY : JCC	FILENAME:

Case 07-17
02/10/2017

HAYBALE WITH SILTFENCE
NOT TO SCALE



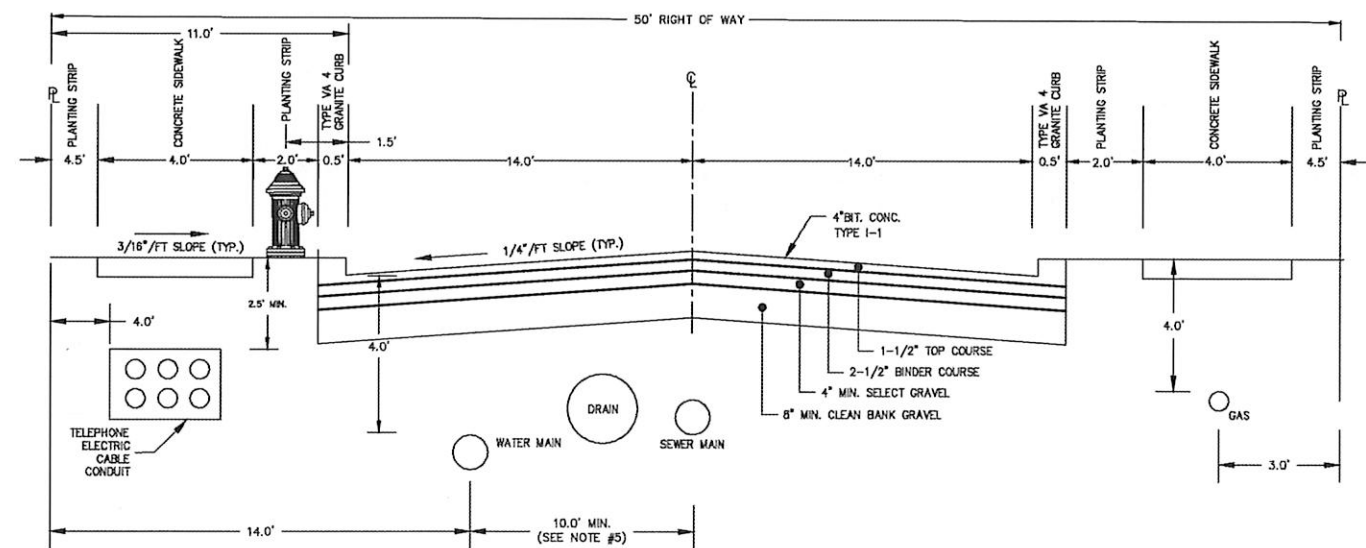
DRIVEWAY TYPICAL DETAIL
NOT TO SCALE



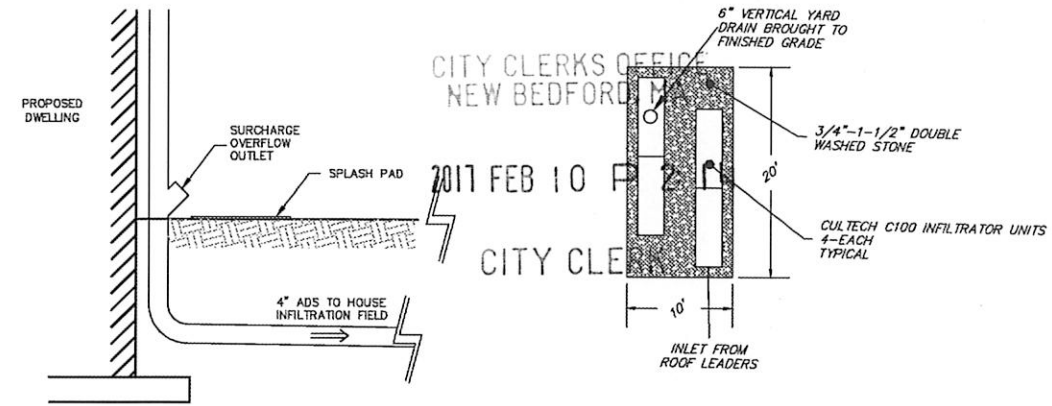
WHEELCHAIR RAMP TYPICAL DETAIL
NOT TO SCALE

CONCRETE SIDEWALK NOTES:

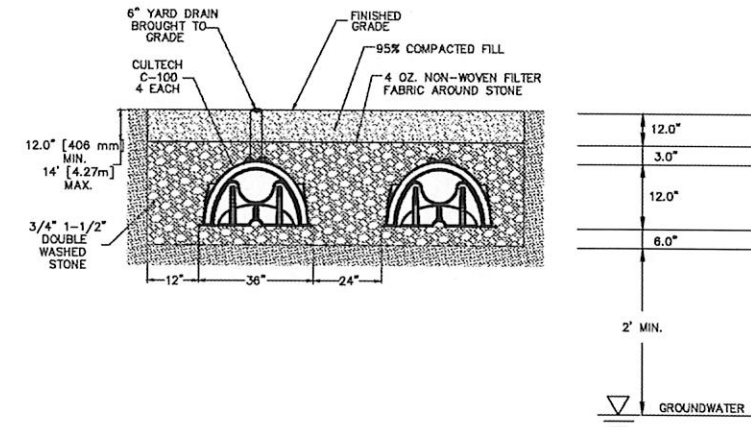
1. SIDEWALKS SHALL BE 4,000 PSI 3/4" CEMENT CONCRETE.
2. CONCRETE SHALL BE 4.0" IN DEPTH AND 6.0" IN DEPTH AT DRIVEWAY LOCATIONS.
3. THE CONCRETE SHALL BE PLACED IN ALTERNATE SLABS 30 FEET IN LENGTH AND SEPARATED BY TRANSVERSE PREFORMED EXPANSION JOINT FILLER 1/2" IN THICKNESS.
4. ALL SIDEWALKS AND WHEELCHAIR RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH A.D.A AND THE CITY OF NEW BEDFORD STANDARDS.



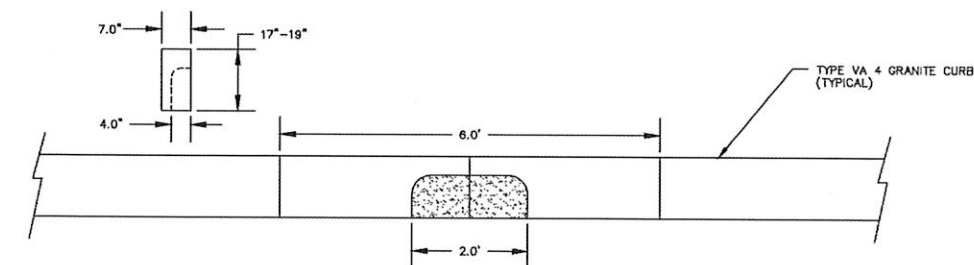
TYPICAL ROADWAY SECTION
NOT TO SCALE



TYPICAL HOUSE INFILTRATION BED-PLAN VIEW
NOT TO SCALE



TYPICAL HOUSE INFILTRATION BED - CROSS SECTION
NOT TO SCALE



GRANITE CURB INLET DETAIL
NOT TO SCALE
TO BE LOCATED AT EACH CATCH BASIN LOCATION

DRAWING REVISIONS

ACTION	DATE	DESCRIPTION

GENERAL NOTES:

1. PROPERTY LINE INFORMATION SHOWN ON THIS P. BASED ON AN INSTRUMENT SURVEY PERFORMED BY CAVANARO CONSULTING ENGINEERS, INC. CONSULTING USING INFORMATION COMPILED FROM J. ASSESSOR'S MAPS AND RECORDED DEED INFORMATION.
2. EXISTING UNDERGROUND UTILITIES SHOWN ARE A CONTRACTOR SHALL FIELD VERIFY LOCATION PRIOR TO REMOVAL.
3. PROPOSED GAS SERVICE CONNECTION SHALL BE BY THE LOCAL GAS SERVICE PROVIDER. CONSTRUCTION OF THE GAS CONNECTION ARE AVAILABLE AT THE
4. PROPOSED ELECTRICAL SERVICE CONNECTION FROM NEAREST UTILITY POLE SHALL BE INSTALLED BY THE ELECTRIC SERVICE PROVIDER.
5. PROPOSED WATER SERVICE CONNECTION SHALL BE NEAREST MAIN LINE BRANCH IN ACCORDANCE WITH NEW BEDFORD WATER DEPARTMENT STANDARDS.
6. ALL SANITARY SEWER CONNECTIONS SHALL BE APPROVED BY THE CITY OF NEW BEDFORD ENGINEER DEPARTMENT PRIOR TO CONSTRUCTION.

LEGEND

PROPERTY LINE	PROPOSED	EXISTING
TEC	PROP. TELEPHONE, ELECTRIC	
G	EX GAS LINE	
G	PROPOSED GAS LINE	
W	EX WATER LINE	
W	PROPOSED WATER LINE	
S	EXISTING SEWER LINE	
S	PROPOSED SEWER LINE	
D	EXISTING DRAIN LINE	
D	PROPOSED DRAIN LINE	
H	EXISTING HYDRANT	
H	PROPOSED HYDRANT	
WV	EXISTING WATER VALVE	
WV	PROPOSED WATER VALVE	
C	EXISTING CATCH BASIN	
C	PROPOSED CATCH BASIN	
M	EXISTING DRAIN MANHOLE	
M	PROPOSED DRAIN MANHOLE	
T	TREE LINE	
TYP.	TYPICAL	

PROFESSIONAL ENGINEER

BREVIDAN P. SULLIVAN
No. 40922
REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL LAND SURVEYOR

BREVIDAN P. SULLIVAN
No. 41358
REGISTERED PROFESSIONAL LAND SURVEYOR

**NORTHSIDE FAIR
MODIFICATION
DETAIL SHEET**

CAVANARO CONSULTING ENGINEERS, INC.
687 MAIN STREET
P.O. BOX 5175
NORWELL, MASSACHUSETTS 02061
PHONE: 781.659.8187
FAX: 781.659.8186

OWNER/APPLICANT:
NEW BEDFORD COUSIN
P.O. BOX 36
SCITUATE, MA 02006

PROJECT NO. : 5005

SCALE : AS SHOWN

DATE : 2/7/17

DESIGNED BY : BPS

DRAWN BY : BPS

DRAWING

DT

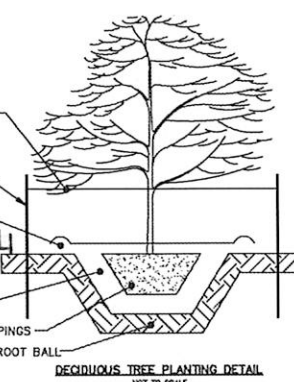
SHEET NO. 9

ACTION	DATE	DESCRIPTION

EROSION CONTROL NOTES:

1. A CONTINUOUS ROW OF HAY BALES WITH SILT FENCE BE PLACED, AS SHOWN ON THE NOTICE OF INTENT I APPROVED BY THE CITY OF NEW BEDFORD CONSERVATION COMMISSION AND ORDER OF CONDITIONS.
2. HAY BALE EROSION CHECKS SHALL BE PLACED A CATCH BASIN INLET DURING CONSTRUCTION AND SH. PLACE UP TO THE TIME OF FINAL PAVEMENT CONST. HAY BALES AND/OR SILT FENCE SHALL BE MAINTAIN CONTRACTOR AND/OR OWNER UNTIL ALL DISTURBED THE PROJECT ARE STABLE.
3. ALL DISTURBED AREAS WITHIN THE SITE, NOT PRI OTHERWISE TREATED (I.E. PAVEMENT, STONE RIP-RAP STONE, PLANTINGS, ETC.), INCLUDING THE DETENTION SLOPES AND BOTTOM, SHALL BE LOAMED AND SEED APPROPRIATE SEED MIX, AS SOON AS PRACTICABLE CONSTRUCTION, TO REDUCE SOIL EROSION.
4. THE SITE SHALL BE "ROUGH GRADED" TO THE EL CONTOURS AS SHOWN ON THE PLANS, ALLOWING FC GRADING AND LOAMING ABOVE THIS ELEVATION.
5. THE SIDE SLOPES, TREE BELT, AND ALL AREAS Y LIMITS OF THE STREET LINES, WHICH ARE NOT PAVE FILLED TO WITHIN 6" OF FINISHED GRADE WITH RAN OR EXCAVATED MATERIAL, AND THE SURFACE GRAD TO THE FINISHED SURFACE. LOAM SHALL BE SPREAD SUBGRADE IN SUFFICIENT QUANTITY TO PRODUCE, W ROLLING AND AFTER NATURAL SETTLEMENT HAS TA A STANDARD DEPTH OF 6". THE SURFACE OF THE I BE GRADED AND RAKED CLEAN OF ALL ROOTS, STO OTHER OBJECTIONABLE MATERIALS. THE SURFACE S MAINTAINED DURING A PERIOD OF SETTLING AND CC WITH LOAM BORROW. AFTER SETTLING HAS TAKEN F FERTILIZER (8-2-4 MIXTURE OR EQUIVALENT) SHAL AT A RATE OF TWENTY POUNDS PER 100 SQUARE FULL DEPTH OF LOAM SHALL BE LOOSENED AND M SATISFACTORY FOR SEEDING. SEED SHALL THEN BE RATE OF 3.6 POUNDS PER 100 SQUARE YARDS. TH BE THOROUGHLY COVERED WITH A THIN LAYER OF I RAKING AND THEN ROLLED WITH A HAND ROLLER W MORE THAN 100 POUNDS PER FOOT OF WIDTH. THE AREAS SHALL BE SPRINKLED WITH WATER ON A DA SHALL BE PROTECTED FROM DAMAGE. ALL AREAS V SHOW A UNIFORM GROWTH OF GRASS SHALL BE RE THE ENTIRE AREA IS COVERED WITH A UNIFORM GR GRASS. SEEDING AREAS SHALL BE MAINTAINED AND UNTIL THE STREET HAS BEEN ACCEPTED. LOAM SH FRIABLE, NATURAL TOPSOIL, TYPICAL OF LOCALITY. ADMIXTURE OF SUBSOIL, REFUSE, OR OTHER FOREG IT SHALL CONTAIN A NORMAL AMOUNT OF ORGANIC SHALL BE REASONABLY FREE FROM STUMPS, ROOTS HEAVY OR STIFF CLAY, STONES LARGER THAN ONE DIAMETER, COARSE SAND, LUMPS, NOXIOUS WEEDS, BRUSH OR OTHER LITTER. GRASS SEED SHALL BE F NEW CROP SEED, GERMINATE TO AT LEAST 85 PER COMPOSED PRIMARILY OF THE FOLLOWING SPECIES: BLUEGRASS, FANCY SOIL, REDTOP, DOMESTIC RYEGR CHEWING FESCUE.
6. FOR ADDITIONAL DETAILS, REFER TO DWG.'S DTI,

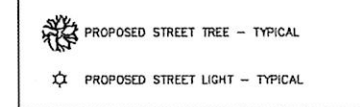
GUY WIRE (3 PER TREE)
PROVIDE TURNBUCKLES ON ALL GUY'S
INCLUDE HOSE CHAFING GUARDS AT TRUNK WRAP
CITY CLERKS OFFICE
NEW BEDFORD, MA
TIMBER STAKE (3 PER TREE) SET IN UNDISTURBED SOIL
4" MULCH COVER
(PROVIDE 3" SAUCER RIM - DO NOT COVER STEM)
12" MIN. PLANT SOIL MIXTURE ALL AROUND TREE
REMOVE ALL NON-Biodegradable WRAPPINGS
LOOSEN SUBSOIL 6" BELOW BOTTOM OF ROOT BALL



DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE

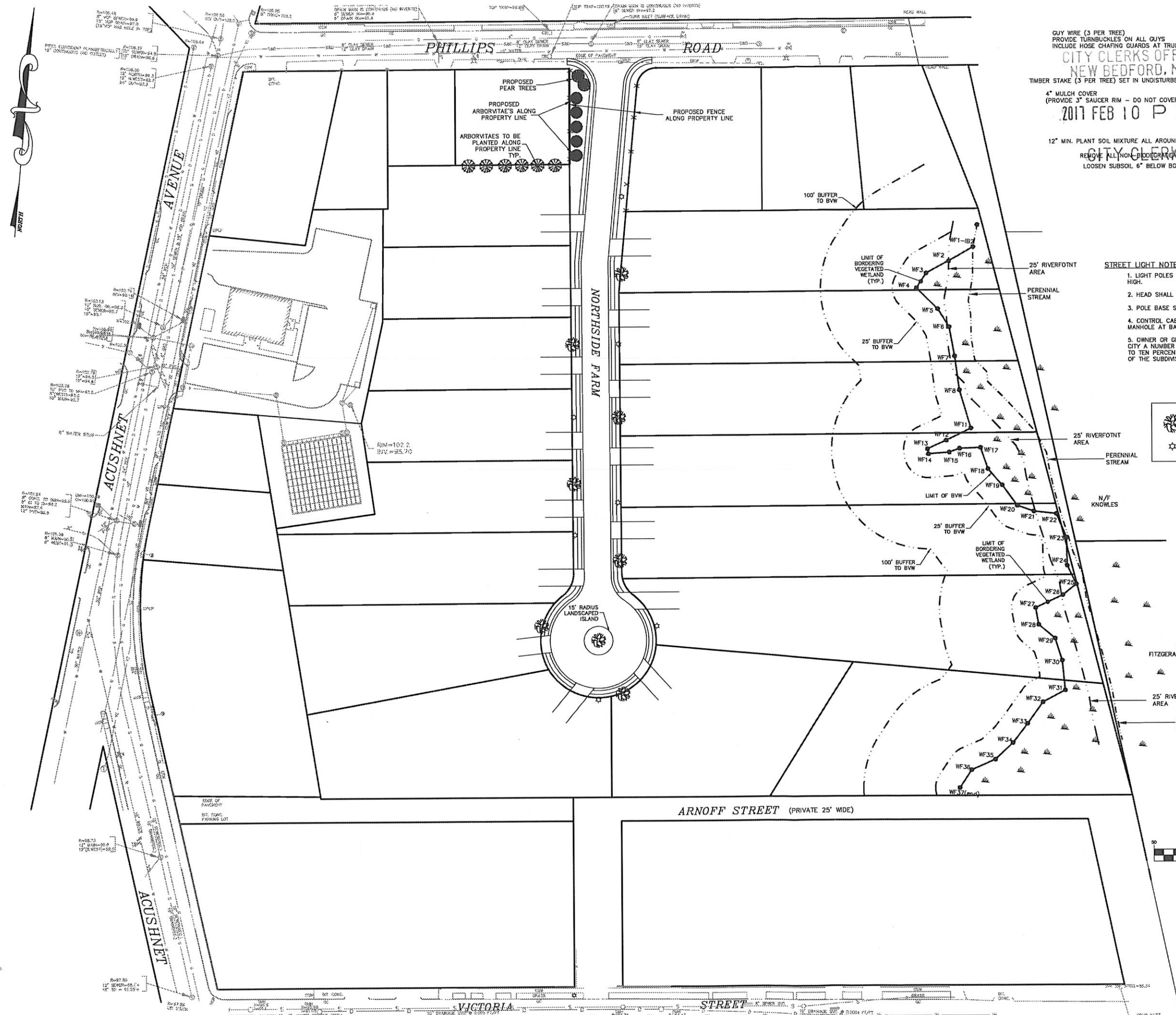
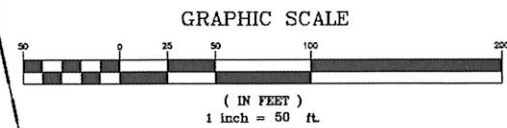
STREET LIGHT NOTES:

1. LIGHT POLES SHALL BE WASHINGTONIAN STYLE 10 FEET HIGH.
2. HEAD SHALL BE ACORN STYLE 70W HPS.
3. POLE BASE SHALL BE 17" 3-BOLT PATTERN.
4. CONTROL CABINET TO BE PLACED NEAR ELECTRIC MANHOLE AT BACK OF SIDEWALK AS DIRECTED BY NSTAR.
5. OWNER OR GENERAL CONTRACTOR SHALL PROVIDE TO THE CITY A NUMBER OF LIGHT POLES AND FIXTURES EQUIVALENT TO TEN PERCENT OF THE TOTAL NUMBER INSTALLED AS PART OF THE SUBDIVISION.



PROPOSED STREET TREE - TYPICAL

PROPOSED STREET LIGHT - TYPICAL



**NORTHSIDE FA
MODIFICATIO
STREET TREES
LIGHTING**

CAVANARO CONSULT
687 MAIN STREET
P.O. BOX 5175
NORWELL, MASSACHUSETTS 02061
PHONE: 781.659.8187
FAX: 781.659.8186

OWNER/APPLICANT:

NEW BEDFORD COUN
P.O. BOX 36
SCITUATE, MA 020

PROJECT NO. : 5005	DRAWING
SCALE : AS SHOWN	T
DATE : 2/9/17	
DESIGNED BY : BPS	
DRAWN BY : BPS	SHEET NO. 1

Case 07-17
02/10/2017