

RESIDENTIAL COMPOUND ROOSEVELT DRIVE ACTON, MA

SITE DATA

LOT AREA: 2.71± AC. (118,089± SF)
 WATER SUPPLY: MUNICIPAL
 SEWAGE DISPOSAL: INDIVIDUAL ON-SITE SEWAGE DISPOSAL SYSTEMS

GENERAL NOTES

- 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.
- UNLESS OTHERWISE SHOWN, ALL NEW UTILITIES SHALL BE UNDERGROUND.
- BURIED UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THEIR RESPECTIVE COMPANY SPECIFICATIONS.
- CONSTRUCTION LAYOUT OF BUILDING AND SITE IMPROVEMENTS SHALL BE PERFORMED BY A LICENSED PROFESSIONAL LAND SURVEYOR. LOCATIONS OF EXISTING FEATURES OR PROPOSED IMPROVEMENTS DERIVED BY SCALING DRAWINGS MAY NOT BE ACCURATE. PROPERTY LINES SHOWN HEREON ARE APPROXIMATE. SEE PLAN REFERENCE HEREON.
- SAFETY MEASURES, CONSTRUCTION METHODS, AND CONTROL OF WORK SHALL BE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY EXISTING UTILITY OR STRUCTURE DAMAGED DURING CONSTRUCTION THAT ARE NOT DESIGNATED FOR DEMOLITION AND/OR REMOVAL HEREON. DAMAGED UTILITY OR STRUCTURE SHALL BE REPAIRED TO THE SATISFACTION OF THEIR RESPECTIVE OWNERS.
- 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. CONTRACTOR SHALL NOTIFY ENGINEER UPON COMMENCEMENT OF CONSTRUCTION IN ORDER TO ENSURE THAT REQUIRED INSPECTIONS ARE PERFORMED IN A TIMELY AND EFFICIENT MANNER.
- CONTRACTOR SHALL PROMPTLY NOTIFY ENGINEER UPON DISCOVERY OF ANY UNFORESEEN SURFACE OR SUBSURFACE CONDITIONS THAT MAY IMPACT SITE CONSTRUCTION.
- FINISH RIM ELEVATIONS SHOULD MATCH PAVEMENT, GRADING OR LANDSCAPING, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- WHERE EXISTING UTILITY LINES/STRUCTURES ARE TO BE CUT/BROKEN DOWN/ABANDONED, LINES/STRUCTURES SHALL BE PLUGGED/CAPPED/FILLED IN ACCORDANCE WITH UTILITY OWNER REQUIREMENTS.
- EROSION CONTROL MEASURES, SUCH AS SILT FENCE OR STRAW BALES AS MAY BE SHOWN HEREON, SHALL BE INSTALLED BEFORE EARTH DISTURBANCE OCCURS WITHIN BUFFER ZONE, AND SHALL SERVE AS THE LIMIT OF WORK.
- WHERE THE WORD "INSTALL" IS USED HEREIN, IT IS INTENDED TO DIRECT CONTRACTOR TO "FURNISH, INSTALL, AND PLACE IN OPERATION" THE COMPONENT REFERRED TO.
- LIMITS OF WORK SHALL BE STAKED IN THE FIELD PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL STORM DRAIN PIPE TO BE SMOOTH INTERIOR HDPE PIPE, 2.0 PSI GASKETED JOINT, UNLESS OTHERWISE NOTED.
- WHERE SHOWN, CONSTRUCTION NOTES ARE INTENDED TO SUMMARIZE AND CLARIFY MAJOR ITEMS OF WORK. THESE NOTES SHOULD NOT BE CONSTRUED AS AN EXHAUSTIVE LISTING OF ALL WORK REQUIRED. CONTRACTOR SHOULD CONTACT ENGINEER WHEN FURTHER CLARIFICATION OF DEPICTED WORK IS DESIRED.
- ALL IMPROVEMENTS SHALL CONFORM TO TOWN OF ACTON REQUIREMENTS AND "STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES", COMMONWEALTH OF MASSACHUSETTS, 1995, AS AMENDED.
- WHERE DIMENSIONS INVOLVE CURB, DIMENSIONS ARE TO FACE OF CURB. WHERE SLOPED GRANITE CURB OR CAPE COD BERM SPECIFIED, FACE OF CURB IS EDGE OF FINISH PAVEMENT AT TOE OF CURB.
- NO DEBRIS, JUNK, RUBBISH OR OTHER NON-BIOGRADABLE MATERIALS, FILL CONTAINING HAZARDOUS MATERIALS OR WASTES, OR STUMPS SHALL BE BURIED ON ANY LAND ON THIS SITE, OR LEFT ON ANY LOT OR ON THE STREET RIGHT OF WAY.
- NO PAVING SHALL TAKE PLACE AFTER NOVEMBER 20 OF ANY YEAR.

CONSTRUCTION NOTES

- CONTRACTOR SHALL CONTACT DIG-SAFE FOR UNDERGROUND UTILITY MARKING AT 811 72 HOURS PRIOR TO COMMENCEMENT OF ANY WORK. CONTRACTOR SHALL GIVE TWENTY-FOUR (24)-HOUR NOTICE TO PERTINENT TOWN DEPARTMENTS BEFORE COMMENCING ANY WORK IN THE FIELD.
- CONTRACTOR SHALL COORDINATE AND OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY REGULATORY AUTHORITIES.
- CONTRACTOR SHALL BE AWARE OF ALL CONSTRUCTION REQUIREMENTS, CONDITIONS, AND LIMITATIONS IMPOSED BY PERMITS AND APPROVALS ISSUED BY REGULATORY AUTHORITIES PRIOR TO COMMENCEMENT OF ANY WORK.
- ALL WORK OUTSIDE OF BUILDING THAT IS LESS THAN 10 FEET FROM THE INSIDE FACE OF BUILDING FOUNDATION SHALL CONFORM WITH THE UNIFORM STATE PLUMBING CODE OF MASSACHUSETTS, 248 CMR 2.00.

REGULATORY NOTES

- ALL SUPPLEMENTARY DATA SUBMITTED UNDER THE RULES ARE AN INTEGRAL PART OF THE DEFINITIVE PLAN AND THAT NONCOMPLIANCE WITH THE PLAN PROFILES, UTILITIES, LAYOUTS AND RESTRICTIVE COVENANTS WILL VOID THE APPROVAL STATUS, UNLESS, A WAIVER IS SPECIFICALLY APPROVED BY THE BOARD IN WRITING.
- THE APPROVED DEFINITIVE SUBDIVISION PLAN OF A RESIDENTIAL COMPOUND SHALL CONTAIN CONDITIONS THAT THERE SHALL BE NO FURTHER DIVISION OF THE TRACT OF LOTS CONTAINED THEREIN; DEVELOPMENT OF THE LAND IS PERMITTED ONLY IN ACCORDANCE WITH THE LAND USES INDICATED THEREON.

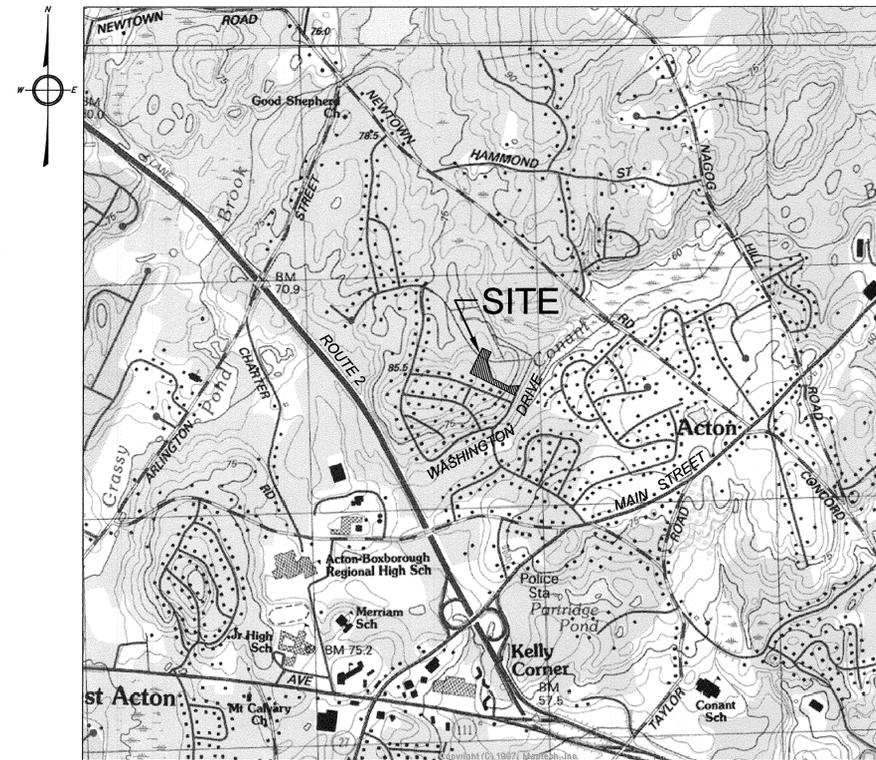
ASSESSORS REFERENCE

ASSESSORS MAP E-3, PARCELS 88 & 88-1

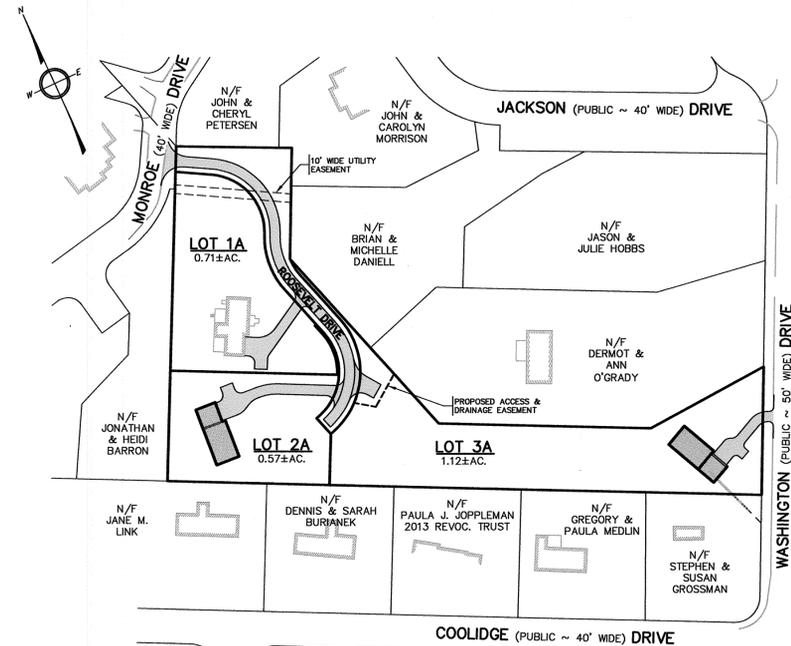
OWNER PER ASSESSOR RECORD:
 GUIDO AND HELENE GAGLIANO
 17 WASHINGTON DRIVE
 ACTON, MA 01720

PLAN REFERENCES

- "DEFINITIVE SUBDIVISION OF LAND IN ACTON, MA" PREPARED BY CHARLES A. PERKINS CO., INC., DATED SEPTEMBER 1979; PLAN 221 OF 1980.
- "SUBDIVISION PLAN OF PATRIOTS HILL (SEC III) IN ACTON, MA" PREPARED BY EVERETT M. BROOKS CO., DATED JUNE 21, 1989; PLAN 210 OF 1987.
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- "GLENBROOK RUN - DEFINITIVE PLAN OF LAND ON JACKSON DRIVE & JACKSON DRIVE EXT." PREPARED BY ACTON SURVEY & ENGINEERING, INC., DATED MARCH 2002/REV JUNE 2002; PLAN 776 OF 2002.
- "PLAN OF LAND IN ACTON, MA" PREPARED BY STAMSKI & McNARY, INC.
- "PLAN OF LOTS" BY GOLDSMITH, PREST & RINGWALL, INC., DATED JUNE 6, 2006; PLAN 1625 OF 2006.
- "EASEMENT PLAN OF LAND" BY GOLDSMITH, PREST & RINGWALL, INC., DATED FEBRUARY 26, 2014; PLAN TO BE RECORDED.



VICINITY MAP
 SCALE: 1" = 1,200'



PLOT PLAN
 SCALE: 1" = 100'

SHEET INDEX

- C1.1 TITLE SHEET
- C2.1 PLAN OF LOTS
- C3.1 EXISTING CONDITIONS & DEMOLITION PLAN
- C4.1 SITE LAYOUT & UTILITIES PLAN
- C5.1 GRADING, DRAINAGE & PAVING PLAN
- C6.1 PLAN & PROFILE AND CONSTRUCTION DETAILS
- C6.2 SIGHT DISTANCE AND CONSTRUCTION DETAILS
- C7.1 EROSION & SEDIMENT CONTROL PLAN
- C8.1 NEIGHBORHOOD SIDEWALK IMPROVEMENT PLAN

ZONING

Parameter	Section [1]	Requirement	Remarks
Zoning District	2.1	R-2	Residence 2
Overlay District	4.3.2.3	GPD 4	Groundwater Protection District, Zone 4
Proposed Use	3.3.1	Allowed	Single Family Dwellings
Lot Area	5.2.1	20,000 SF	
Frontage	5.2.2	150 FT	See Note [2] & [3] Below
Lot Width	5.2.3	50 FT	
Yard			
Front	5.2.4	30 FT	
Side	5.2.5	10 FT	
Rear	5.2.5	10 FT	
Building Height	5.2.7	36 FT	
Floor Area Ratio	5 (Table)	No Req't	
Open Space	5 (Table)	No Req't	
Parking	6.3.1.1	2 Spaces per Dwelling	
Wetlands Setback	Local Bylaw		None On-Site
MDEP Riverfront Area			None On-Site
FEMA Floodplain			None On-Site
ACEC			None On-Site
Zone 1 Protective Radius			None On-Site
Mapped Zone 2			None On-Site
IWPA			None On-Site

NOTES:

- [1] Reference to section of Zoning Bylaw, where applicable.
- [2] Section 5.2.2.2 - "If a lot has frontage on more than one street, the frontage on one street only may be used to satisfy the minimum lot frontage."
- [3] Section 5.3.3 - "...the minimum lot frontage may be reduced by 50 feet per lot provided that the minimum lot area required for each such lot is doubled."

ABBREVIATIONS:

SF=square feet; CF=cubic feet; FT=feet; GFA=gross floor area; AC=acres; PB=Planning Board; ZBA=Zoning Board of Appeals; IWPA=interim wellhead protection area; ACEC=Area of Critical Environmental Concern; FIRM=Flood Insurance Rate Map; MDEP=Massachusetts Dept of Environmental Protection

WAIVERS REQUESTED

THE FOLLOWING WAIVERS ARE REQUESTED FROM THE TOWN OF ACTON PLANNING BOARD SUBDIVISION RULES AND REGULATIONS, ADOPTED AUGUST 9, 1985; LAST AMENDED DECEMBER 6, 2011. WAIVERS ARE TO ALLOW FOR AN OPTIONAL RESIDENTIAL COMPOUND PLAN, AS OUTLINED IN SECTION 10 OF THE SUBDIVISION RULES AND REGULATIONS.

SECTION 8:

REQUIREMENT: STREETS SHALL BE DESIGNED IN ACCORDANCE WITH THE DESIGN STANDARDS OF THIS SECTION.
 REQUESTED: WAIVE COMPLIANCE FROM THE DESIGN STANDARDS OF THIS SECTION FOR A RESIDENTIAL COMPOUND WAY. PROPOSED WAY TO MEET THE REQUIREMENTS SET FORTH IN THE RULES AND REGULATIONS FOR COMMON DRIVEWAY SPECIAL PERMITS PER SECTION 10.1.3.

SECTION 9:

REQUIREMENT: STREET IMPROVEMENTS SHALL BE TO THE STANDARDS SET FORTH IN THIS SECTION.
 REQUESTED: WAIVE COMPLIANCE FROM THIS SECTION FOR A RESIDENTIAL COMPOUND WAY.

APPROVED BY THE
 ACTON PLANNING BOARD

 CHAIR
 _____ APPLICATION FILED _____
 _____ HEARING DATE _____
 _____ PLAN APPROVED _____

DRAWING ISSUED FOR:

- CONCEPT CONSTRUCTION
 PERMIT CONSTRUCTION RECORD

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NO.	DATE	BY	APP.	REVISION DESCRIPTION

GPR Engineering Solutions
 for Land & Structures

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 39 MAIN STREET, SUITE 301, AYER, MA 01432
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RESIDENTIAL COMPOUND

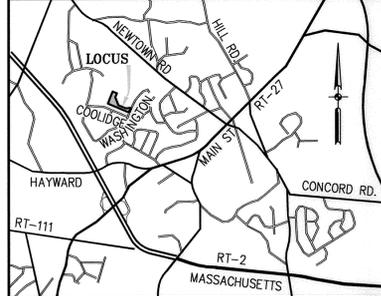
TITLE SHEET

ROOSEVELT DRIVE
 ACTON, MA

PREPARED FOR:
 GUIDO GAGLIANO
 17 WASHINGTON DRIVE
 ACTON, MA 01720

DES. BY: MKB DATE: MARCH 2014 JOB 00159A C1.1
 CHK. BY: DEM

FOR REGISTRY USE ONLY



LOCUS MAP ~ NOT TO SCALE
APPROVAL IS REQUIRED UNDER THE
SUBDIVISION CONTROL LAW
ACTON PLANNING BOARD

BEING A MAJORITY
DATE APPROVED: _____
DATE ENDORSED: _____

I, _____, CLERK OF THE TOWN
OF ACTON, HEREBY CERTIFY THAT THE
NOTICE OF THE APPROVAL OF THIS PLAN BY
THE PLANNING BOARD HAS BEEN RECEIVED
AND RECORDED BY THIS OFFICE AND NO
APPEAL WAS RECEIVED DURING THE 20 DAYS
NEXT AFTER RECEIPT AND RECORDING OF
SAID NOTICE.

ACTON TOWN CLERK _____ DATE _____

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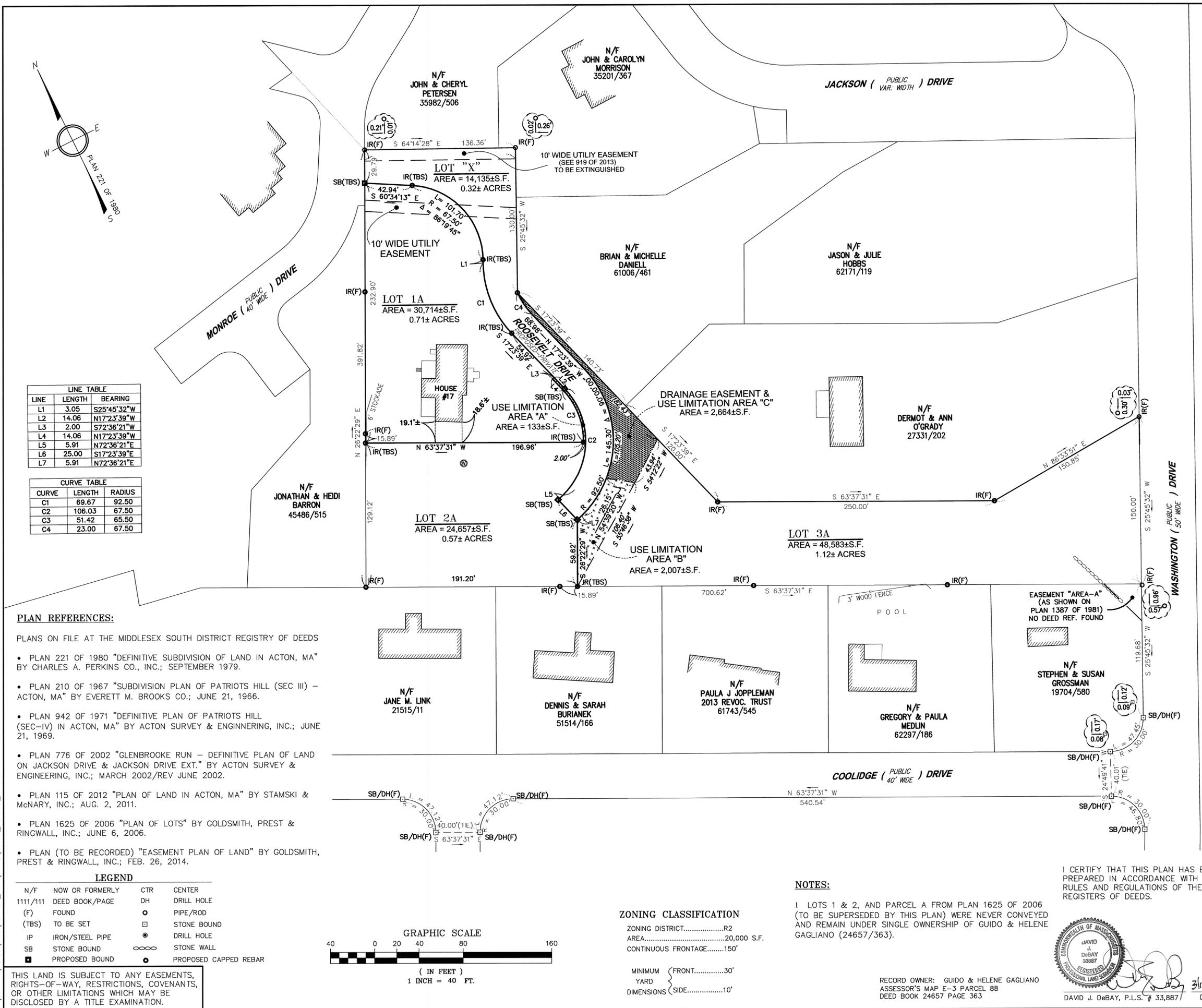
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RESIDENTIAL COMPOUND
PLAN OF LOTS

17 WASHINGTON DRIVE
ACTON, MA

OWNER/APPLICANT: GUIDO & HELENE GAGLIANO

DES. BY: DSB	DATE: MAR. 17, 2014	JOB 00.159	C2
CHK. BY: DJD			



LINE TABLE

LINE	LENGTH	BEARING
L1	3.05	S25°45'32"W
L2	14.06	N17°23'39"W
L3	2.00	S72°36'21"W
L4	14.06	N17°23'39"W
L5	5.91	N72°36'21"E
L6	25.00	S17°23'39"E
L7	5.91	N72°36'21"E

CURVE TABLE

CURVE	LENGTH	RADIUS
C1	69.67	92.50
C2	106.03	67.50
C3	51.42	65.50
C4	23.00	67.50

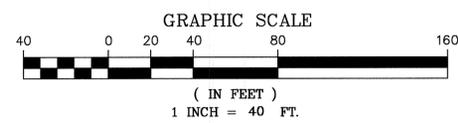
PLAN REFERENCES:

- PLANS ON FILE AT THE MIDDLESEX SOUTH DISTRICT REGISTRY OF DEEDS
- PLAN 221 OF 1980 "DEFINITIVE SUBDIVISION OF LAND IN ACTON, MA" BY CHARLES A. PERKINS CO., INC.; SEPTEMBER 1979.
 - PLAN 210 OF 1967 "SUBDIVISION PLAN OF PATRIOTS HILL (SEC III) - ACTON, MA" BY EVERETT M. BROOKS CO.; JUNE 21, 1966.
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 - PLAN 115 OF 2012 "PLAN OF LAND IN ACTON, MA" BY STAMSKI & McNARY, INC.; AUG. 2, 2011.
 - PLAN 1625 OF 2006 "PLAN OF LOTS" BY GOLDSMITH, PREST & RINGWALL, INC.; JUNE 6, 2006.
 - PLAN (TO BE RECORDED) "EASEMENT PLAN OF LAND" BY GOLDSMITH, PREST & RINGWALL, INC.; FEB. 26, 2014.

LEGEND

N/F	NOW OR FORMERLY	CTR	CENTER
1111/111	DEED BOOK/PAGE	DH	DRILL HOLE
(F)	FOUND	○	PIPE/ROD
(TBS)	TO BE SET	□	STONE BOUND
IP	IRON/STEEL PIPE	●	DRILL HOLE
SB	STONE BOUND	∞	STONE WALL
■	PROPOSED BOUND	○	PROPOSED CAPPED REBAR

THIS LAND IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, COVENANTS, OR OTHER LIMITATIONS WHICH MAY BE DISCLOSED BY A TITLE EXAMINATION.



ZONING CLASSIFICATION

ZONING DISTRICT.....R2
AREA.....20,000 S.F.
CONTINUOUS FRONTAGE.....150'

MINIMUM FRONT.....30'
YARD SIDE.....10'

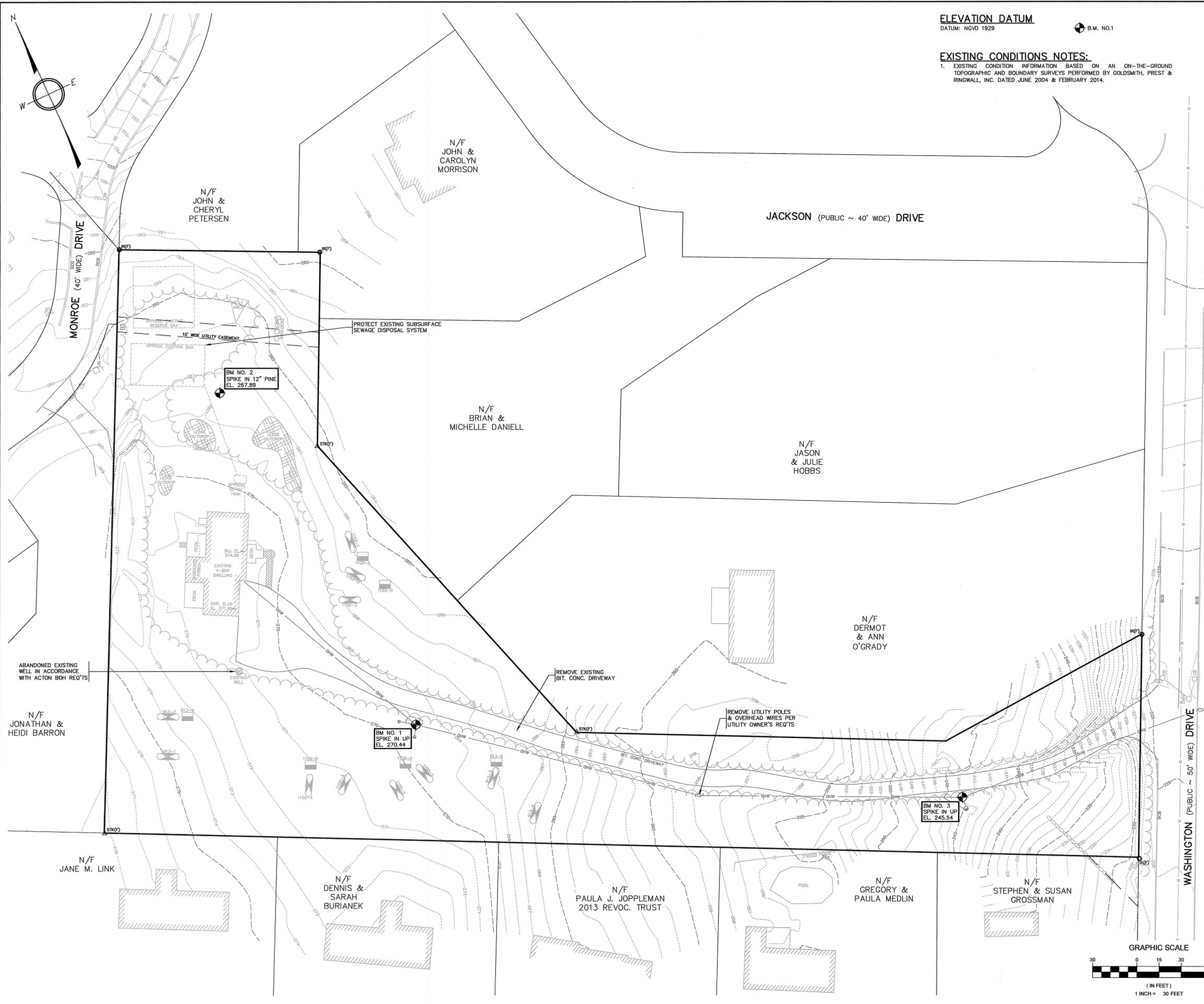
NOTES:

1 LOTS 1 & 2, AND PARCEL A FROM PLAN 1625 OF 2006 (TO BE SUPERSEDED BY THIS PLAN) WERE NEVER CONVEYED AND REMAIN UNDER SINGLE OWNERSHIP OF GUIDO & HELENE GAGLIANO (24657/363).

RECORD OWNER: GUIDO & HELENE GAGLIANO
ASSESSOR'S MAP E-3 PARCEL 88
DEED BOOK 24657 PAGE 363



DAVID J. DeBAY, P.L.S. # 33,887 DATE 3/17/14



ELEVATION DATUM
DATUM: NGVD 1929

B.M. NO.1

EXISTING CONDITIONS NOTES:
1. EXISTING CONDITION INFORMATION BASED ON AN ON-THE-GROUND TOPOGRAPHIC AND BOUNDARY SURVEYS PERFORMED BY GOLDSMITH, PREST & RINGWALL, INC. DATED JUNE 2004 & FEBRUARY 2014.

EXISTING		PROPOSED	
---100---	ELEVATION CONTOUR	---	100.0
---	SPOT GRADE	---	100.0
---	PROPERTY LINE	---	---
---	BUILDING ENVELOPE	---	---
---	EDGE OF PAVEMENT	---	---
---	STOCKADE FENCE	---	---
---	STONE WALL	---	---
---	WATER MAIN	---	---
---	WATER SERVICE	---	---
---	WATER VALVE	---	---
---	WATER SHUT-OFF VALVE	---	---
---	FORCE MAIN	---	---
---	GRAVITY SEWER LINE	---	---
---	GAS LINE	---	---
---	GAS SERVICE	---	---
---	GAS VALVE	---	---
---	BURIED POWER LINE	---	---
---	OVERHEAD POWER LINE	---	---
---	UTILITY POLE	---	---
---	GUY WIRE	---	---
---	TELEPHONE BOX	---	---
---	ELECTRIC BOX	---	---
---	STORM DRAIN	---	---
---	CATCH BASIN	---	---
---	DRAIN MANHOLE	---	---
---	DEEP SOIL OBSERVATION HOLE	---	---
---	PERCOLATION TEST	---	---
---	WELL	---	---
---	MAILBOX	---	---
---	ELEVATION BENCHMARK	---	---
---	SURFACE RUNOFF DIRECTION	---	---
---	STONE BOUND	---	---
---	DRILL HOLE	---	---
---	IRON ROD	---	---

ABBREVIATIONS

EL	ELEVATION	N/F	NOW OR FORMERLY
INV	INVERT	BCB	BITUMINOUS CONCRETE BERM
FT	FEET	PT	POINT OF TANGENCY
SF	SQUARE FEET	PC	POINT OF CURVATURE
AC	ACRES	SAA	SOIL ABSORPTION AREA
R	RADIUS	BR	BEDROOM
BOT	BOTTOM	GAR	GARAGE
BIT	BITUMINOUS	FDN	FOUNDATION
CONC	CONCRETE	BSMT	BASEMENT
BM	BENCHMARK	UP	UTILITY POLE

APPROVED BY THE
ACTON PLANNING BOARD

_____ CHAIR

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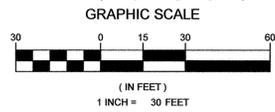
RESIDENTIAL COMPOUND

EXISTING CONDITIONS & DEMOLITION PLAN

**ROOSEVELT DRIVE
ACTON, MA**

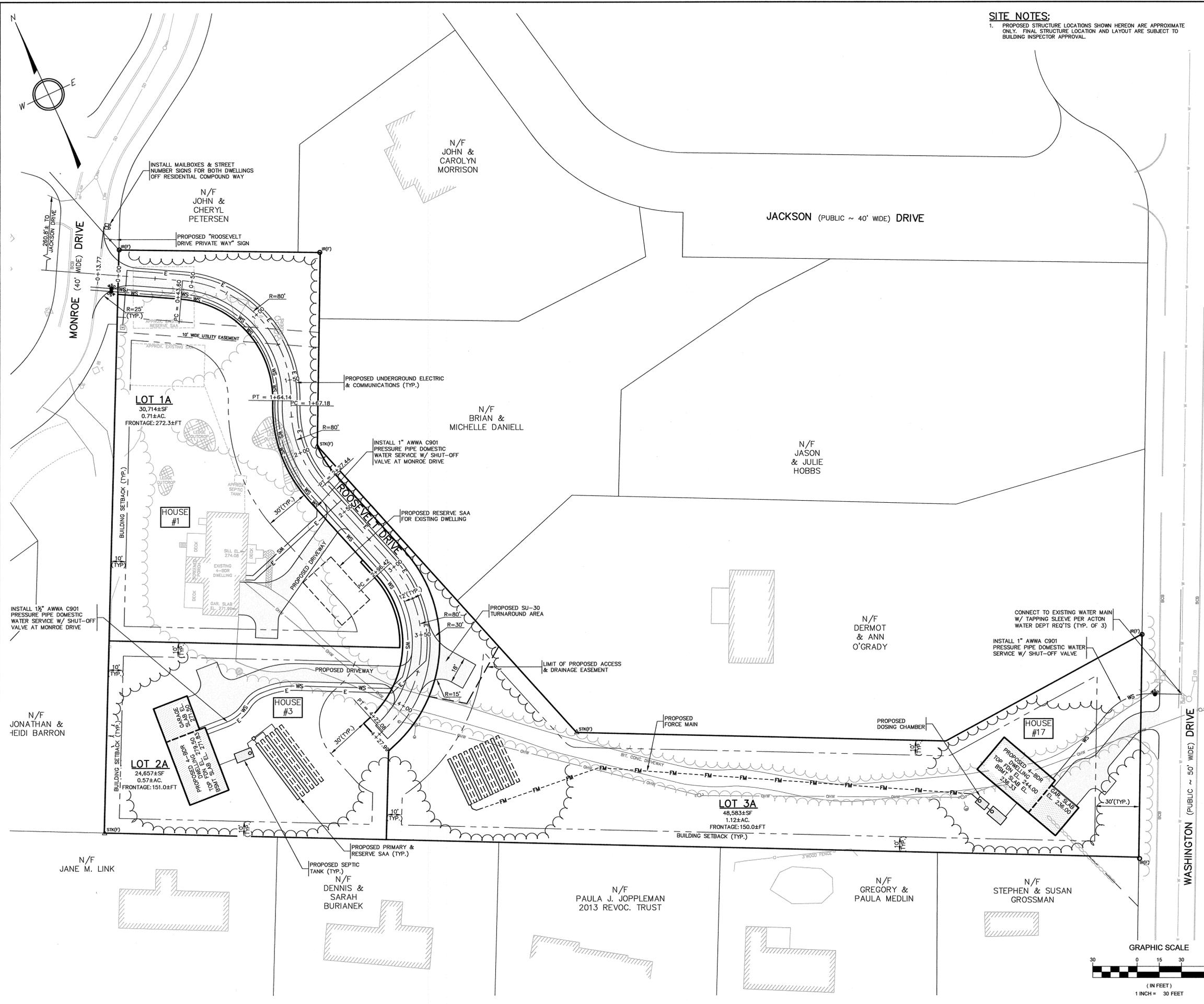
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DES. BY: MKB	DATE: MARCH 2014	JOB 00159A	C3.1
CHK. BY: DEM			



P:\00-000-00159\DWG\PERMIT\PERMIT2014.DWG 03-12-14 3:32:01 PM - LAYOUT EC

2014 © COPYRIGHT GOLDSMITH, PREST & RINGWALL, INC.



SITE NOTES:
 1. PROPOSED STRUCTURE LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. FINAL STRUCTURE LOCATION AND LAYOUT ARE SUBJECT TO BUILDING INSPECTOR APPROVAL.

EXISTING		PROPOSED	
---100---	ELEVATION CONTOUR	100	100.0
---	SPOT GRADE	100.0	PG
---	PROPERTY LINE	---	---
---	BUILDING ENVELOPE	---	---
---	EDGE OF PAVEMENT	---	---
---	STONE WALL	---	---
---	STOCKADE FENCE	---	---
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BOT	BOTTOM	GAR	GARAGE
BIT	BITUMINOUS	FDN	FOUNDATION
CONC	CONCRETE	BSMT	BASEMENT
BM	BENCHMARK	UP	UTILITY POLE

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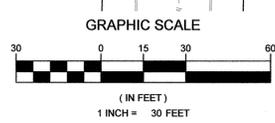
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RESIDENTIAL COMPOUND

SITE LAYOUT & UTILITIES PLAN

ROOSEVELT DRIVE
ACTON, MA

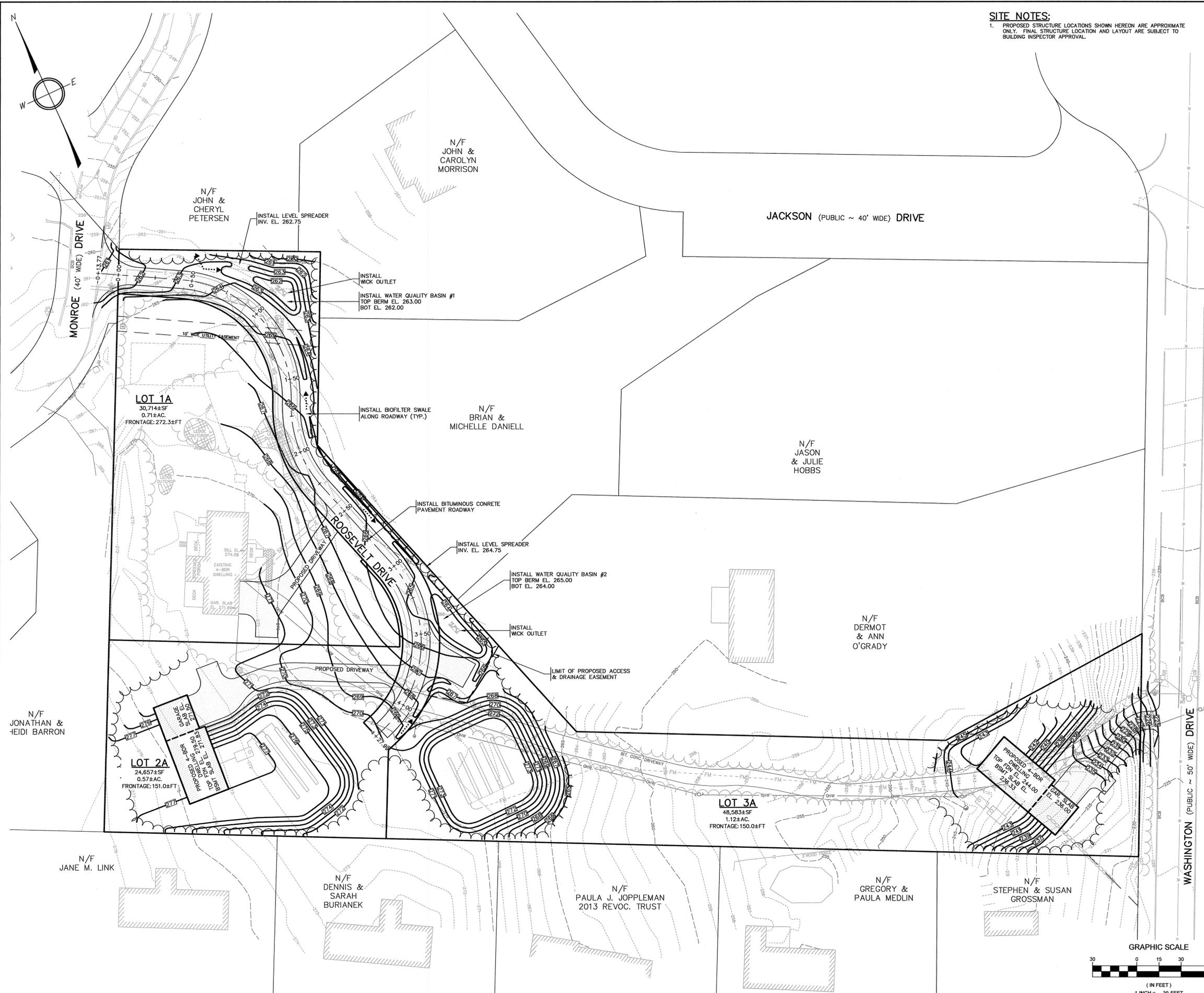
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DES. BY: MKB	DATE: MARCH 2014	JOB 00159A	C4.1
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SITE NOTES:
 1. PROPOSED STRUCTURE LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. FINAL STRUCTURE LOCATION AND LAYOUT ARE SUBJECT TO BUILDING INSPECTOR APPROVAL.

EXISTING		PROPOSED	
---100---	ELEVATION CONTOUR	---	100
.....	SPOT GRADE	---	100.0
---	PROPERTY LINE	---	FC
---	BUILDING ENVELOPE	---	
---	EDGE OF PAVEMENT	---	
---	STOCKADE FENCE	---	
---	STONE WALL	---	
---	WATER MAIN	---	W
---	WATER SERVICE	---	WS
---	WATER VALVE	---	WV
---	FORCE MAIN	---	FM
---	GRAVITY SEWER LINE	---	SS
---	GAS LINE	---	
---	GAS SERVICE	---	
---	GAS VALVE	---	
---	BURIED POWER LINE	---	
---	OVERHEAD POWER LINE	---	E
---	UTILITY POLE	---	
---	GUY WIRE	---	
---	TELEPHONE BOX	---	
---	ELECTRIC BOX	---	
---	STORM DRAIN	---	
---	CATCH BASIN	---	
---	DRAIN MANHOLE	---	
---	DEEP SOIL OBSERVATION HOLE	---	
---	PERCOLATION TEST	---	
---	WELL	---	
---	MAILBOX	---	
---	ELEVATION BENCHMARK	---	
---	SURFACE RUNOFF DIRECTION	---	
---	STONE BOUND	---	
---	DRILL HOLE	---	
---	IRON ROD	---	

ABBREVIATIONS

EL	ELEVATION	N/F	NOW OR FORMERLY
INV	INVERT	BCB	BITUMINOUS CONCRETE BERM
FT	FEET	PT	POINT OF TANGENCY
SF	SQUARE FEET	PC	POINT OF CURVATURE
AC	ACRES	SAA	SOIL ABSORPTION AREA
R	RADIUS	BR	BEDROOM
BOT	BOTTOM	GR	GARAGE
BIT	BITUMINOUS	FDN	FOUNDATION
CONC	CONCRETE	BSMT	BASEMENT
BM	BENCHMARK	UP	UTILITY POLE

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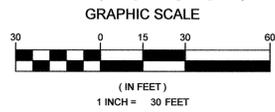
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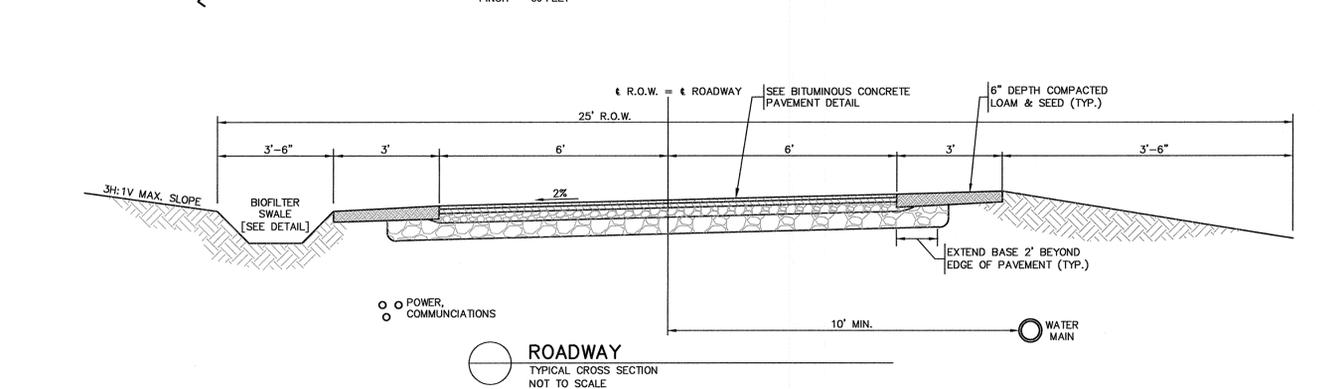
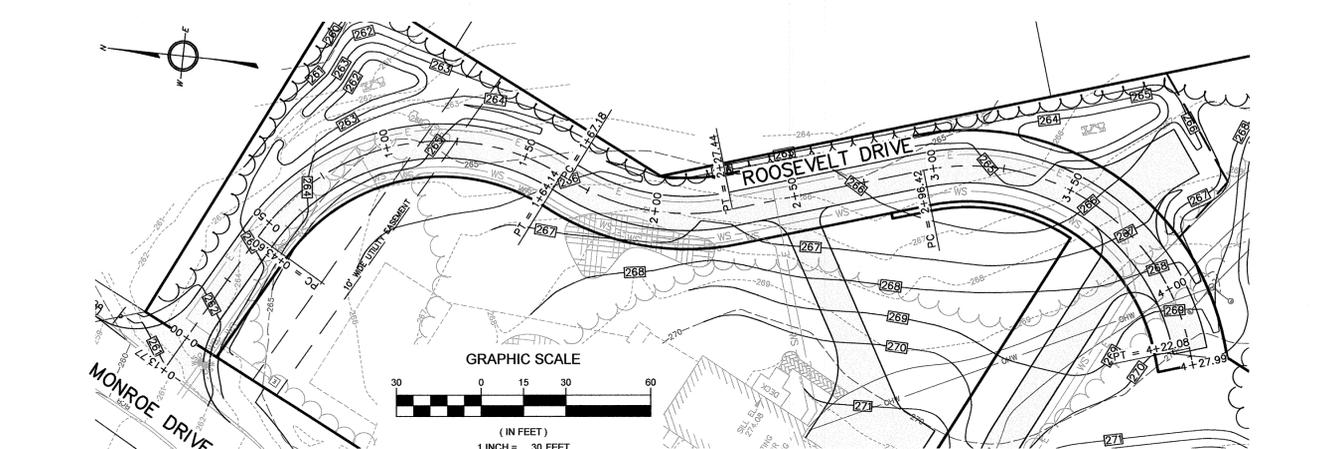
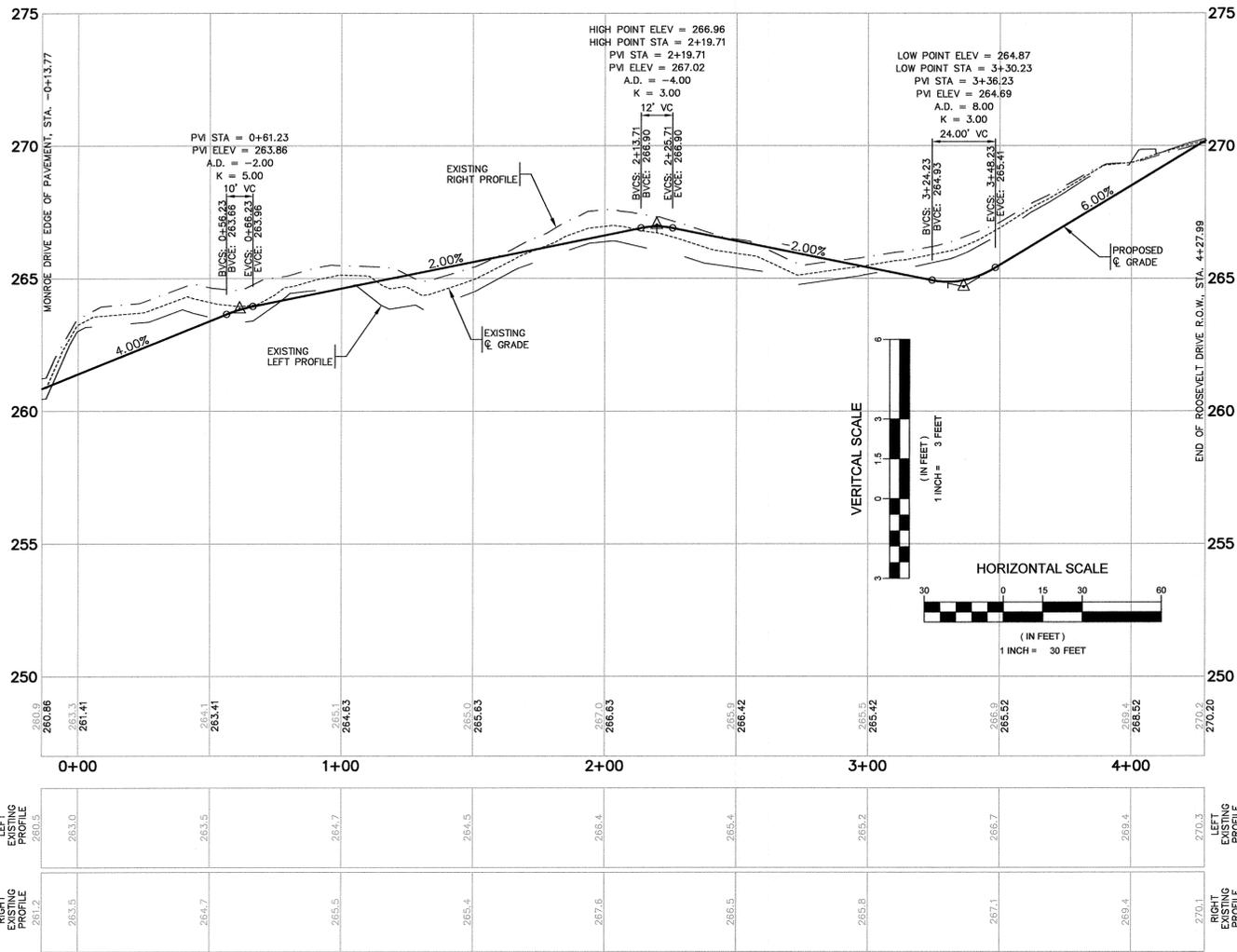
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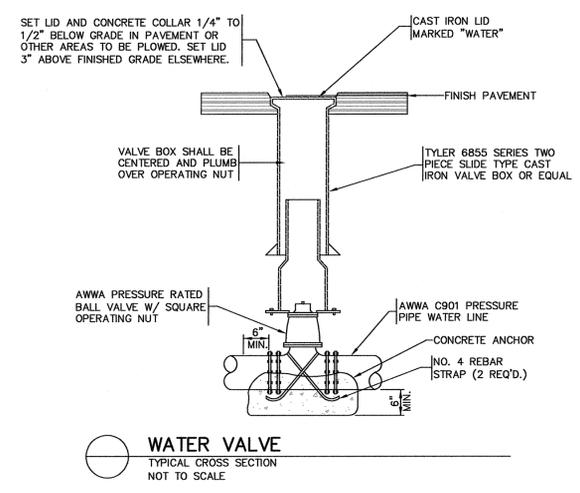
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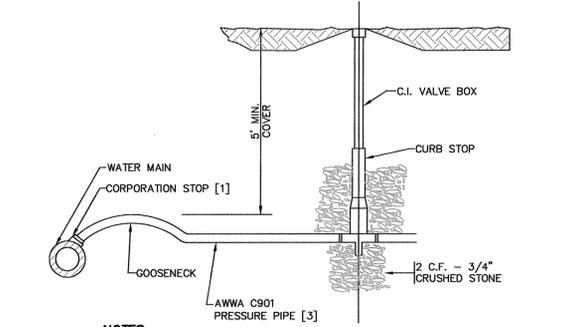
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ROADWAY
TYPICAL CROSS SECTION
NOT TO SCALE

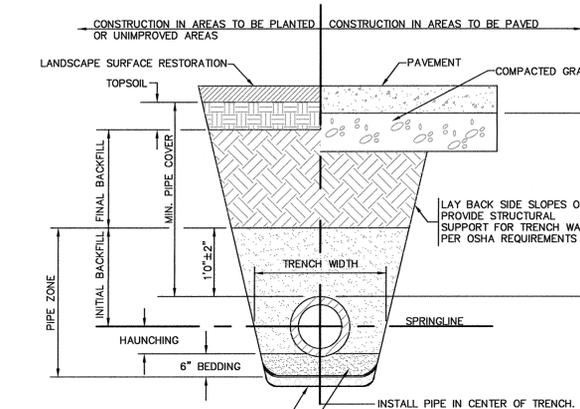


WATER VALVE
TYPICAL CROSS SECTION
NOT TO SCALE



WATER SERVICE
TYPICAL CROSS SECTION
NOT TO SCALE

WATER SERVICE
TYPICAL CROSS SECTION
NOT TO SCALE



PIPE TRENCH
TYPICAL CROSS SECTION
NOT TO SCALE

FOUNDATION STABILIZATION WHEN REQUIRED BY ENGINEER OTHERWISE, PLACE BEDDING ON UNDISTURBED NATURAL SOIL.

SHAPE BEDDING BY HAND TO FIT BOTTOM OF PIPE. INSTALL PIPE ON STABLE BEDDING WITH UNIFORM BEARING UNDER FULL LENGTH OF PIPE BARREL.

TRENCH WIDTH:
[1] MINIMUM WIDTH OF TRENCH MEASURED AT SPRINGLINE OF PIPE, INCLUDING ANY NECESSARY SHEATHING.

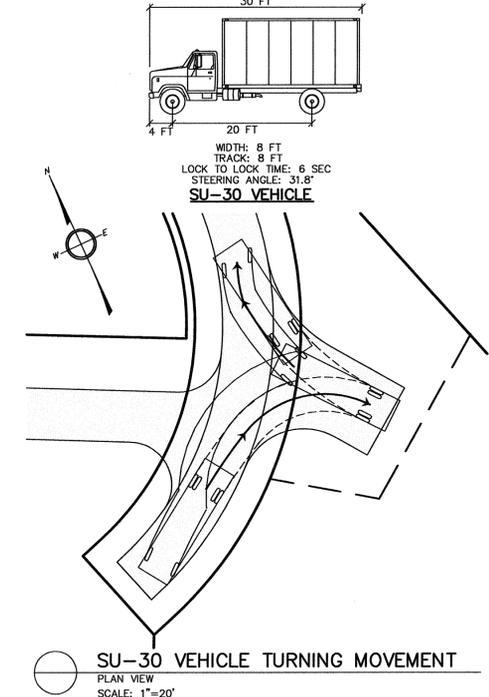
PIPE I.D.	WIDTH
LESS THAN 21"	O.D. + 12"
21" TO 42"	O.D. + 24"
GREATER THAN 42"	O.D. + 30"

MINIMUM PIPE COVER:
[1] MINIMUM SOIL COVER OVER TOP OF PIPE.

PIPE MATERIAL	HDPE, PVC	RC, DI
WATER	5' - 0"	5' - 0"
SEWER	4' - 0"	4' - 0"
DRAIN	2' - 0"	1' - 0"

MATERIAL KEY NOTES (SEE TABLE BELOW):
[1] PLACE 2" MINUS CRUSHED STONE.
[2] PLACE 1/2" MINUS SAND BORROW (MHD M1.04-1), AT OPTIMUM MOISTURE IN HORIZONTAL 8" DEEP LOOSE LAYERS, COMPACT TO 95% PER ASTM D-1557 MODIFIED PROCTOR METHOD.
[3] IN PLANTED OR UNIMPROVED AREAS, USE 2-INCH MINUS ON-SITE EXCAVATED MATERIAL, COMPACT TO 95% PER ASTM D-1557, IN PAVED AREAS, OBTAIN ENGINEER APPROVAL OF 2-INCH MINUS ON-SITE EXCAVATED MATERIALS.

FOUNDATION, BEDDING AND BACKFILL MATERIALS		
PIPE MATERIAL	HDPE, PVC	RC, DI
FOUNDATION STABILIZATION	[NOTE 1]	[NOTE 1]
BEDDING	[NOTE 2]	[NOTE 2]
HAUNCHING	[NOTE 2]	[NOTE 2]
INITIAL BACKFILL	[NOTE 2]	[NOTE 2]
FINAL BACKFILL	[NOTE 3]	[NOTE 3]



SU-30 VEHICLE TURNING MOVEMENT
PLAN VIEW
SCALE: 1"=20'

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DOUGLAS E. MILLER
CIVIL ENGINEER
No. 33965
REG/STATE

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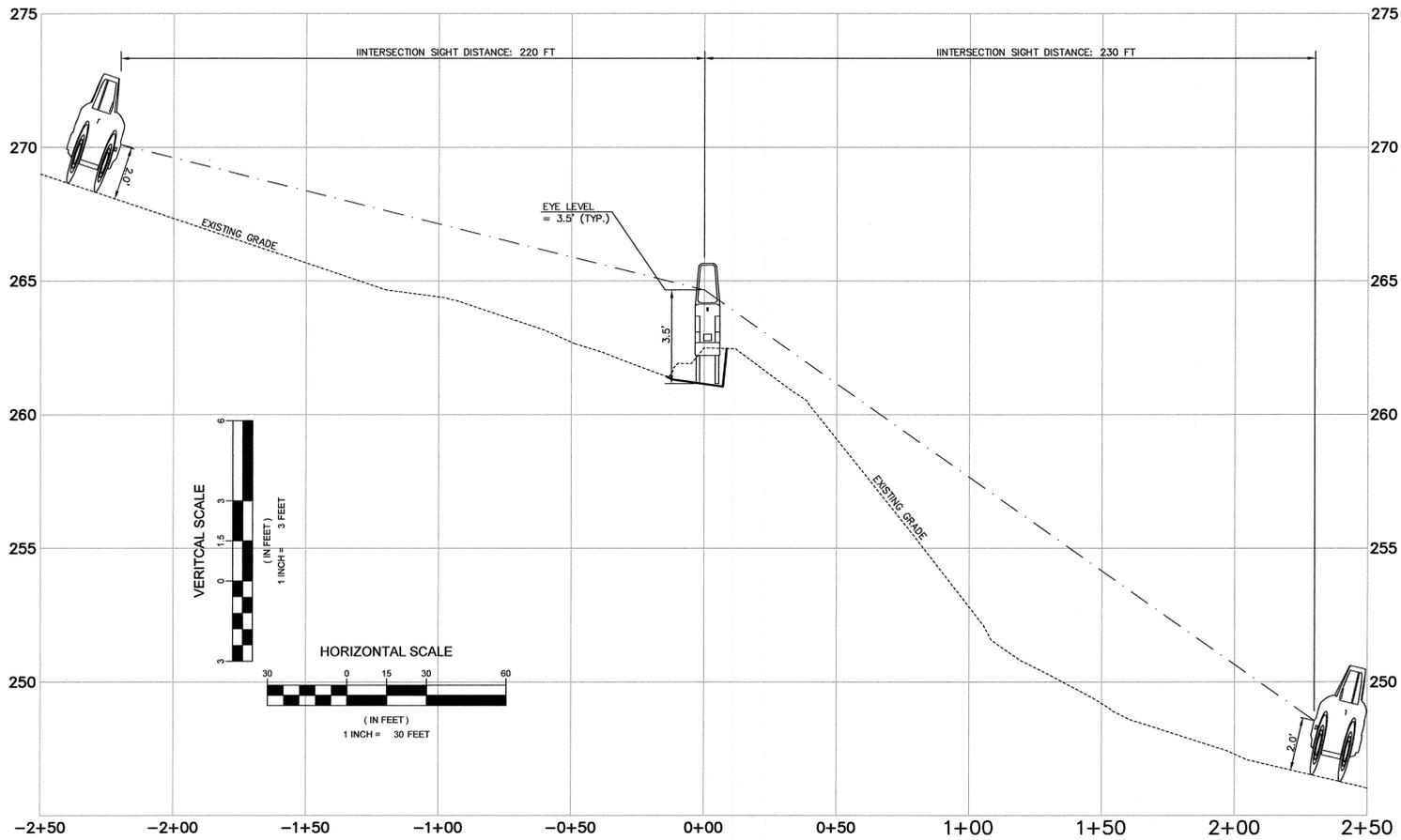
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PLAN & PROFILE AND CONSTRUCTION DETAILS

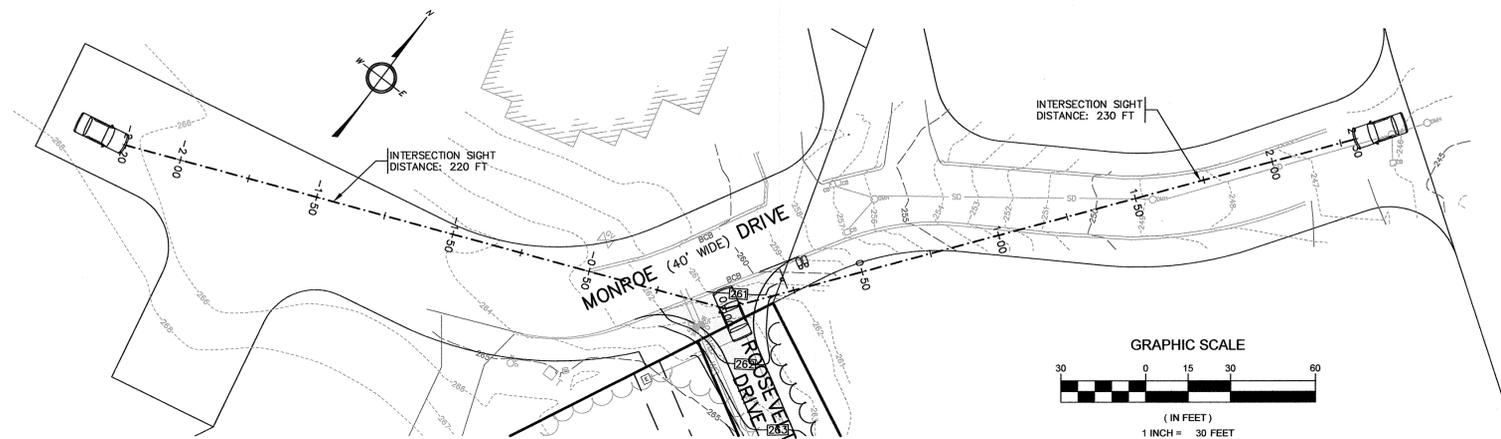
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ACTON, MA**

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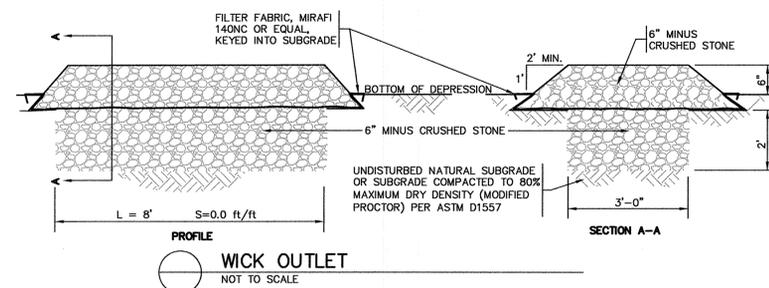
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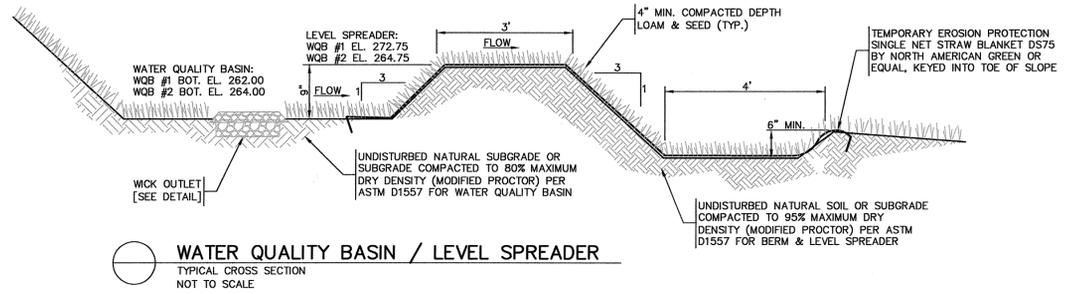
SIGHT DISTANCE: PROFILE



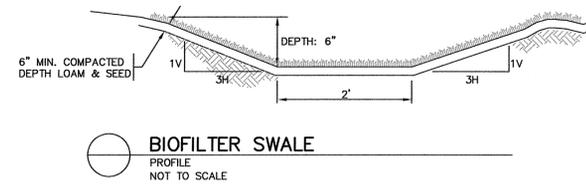
SIGHT DISTANCE: PLAN VIEW



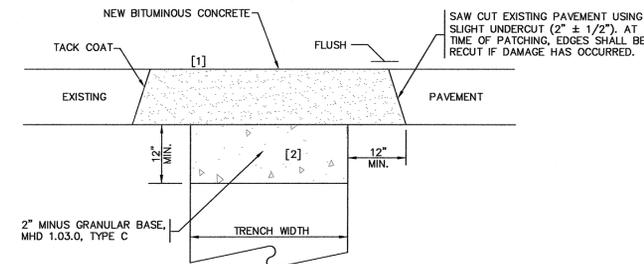
WICK OUTLET
TYPICAL CROSS SECTION
NOT TO SCALE



WATER QUALITY BASIN / LEVEL SPREADER
TYPICAL CROSS SECTION
NOT TO SCALE

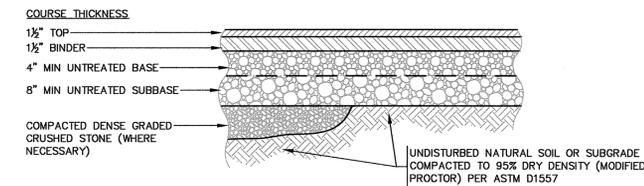


BIOFILTER SWALE
PROFILE
NOT TO SCALE



NOTES:
[1] GRANULAR BASE COMPACTION: 95% PER ASTM D-1557 MODIFIED PROCTOR METHOD
[2] BIT. CONCRETE COMPACTION: 95%

TRENCH PATCH
TYPICAL CROSS SECTION
NOT TO SCALE



COURSE	MATERIAL	SPECIFICATION PER MASS HIGHWAY DEPARTMENT (MHD)	MAX AGG. SIZE (INCH)	COMPACTION REQUIREMENTS	TEST DESIGNATION
TOP	BITUMINOUS CONCRETE	M.3.11.03 CLASS I, TYPE 1-1	1/2	[NOTE 1]	AASHTO-T166
BINDER	BITUMINOUS CONCRETE	M.3.11.03 CLASS I, TYPE 1-1	3/4	[NOTE 1]	AASHTO-T166
BASE	GRAVEL BORROW	M1.03.0 TYPE C	2	95% [NOTE 3]	ASTM D1557/AASHTO-T99
SUBBASE	GRAVEL BORROW	M1.03.0 TYPE B	3	95% [NOTE 3]	ASTM D1557/AASHTO-T99
SUBGRADE	ORDINARY BORROW	M1.01.0 [SEE NOTE 2]	8	95% [NOTE 3]	ASTM D1557/AASHTO-T99

NOTES:
[1] COMPACT TO TEST AVERAGE OF 95%; TEST SHALL NOT BE LOWER THAN 93%.
[2] UNSUITABLE MATERIAL IN THE SUBGRADE SHALL BE REMOVED AND REPLACED WITH AN ACCEPTABLE SUBSTITUTE MATERIAL: 3/4" MINUS DENSE GRADED CRUSHED STONE.
[3] MATERIAL SHALL BE SPREAD AND COMPACTED IN LAYERS NOT EXCEEDING 8-INCHES IN DEPTH, COMPACTED MEASUREMENT; LAST LAYER OF MATERIAL SHALL NOT EXCEED 4-INCHES IN DEPTH, COMPACTED MEASUREMENT.

BITUMINOUS CONCRETE PAVEMENT
TYPICAL CROSS SECTION
NOT TO SCALE

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EROSION AND SEDIMENT CONTROL REQUIREMENTS

PART 1 - GENERAL

1.01 SUMMARY

A. FURNISH, INSTALL, AND MAINTAIN TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS, BUT NOT NECESSARILY LIMITED TO, STRAW BALE AND SILT FENCE BARRIERS, RIPRAP, VEHICLE TRACKING PADS, DIVERSION CHANNELS AND BERMS, CHECK DAMS, STRATEGICALLY LOCATED STOCKPILES, SEDIMENT BASINS, MULCH, AND SEED MIX (HEREINAFTER "CONTROL MEASURES") ADEQUATE TO PREVENT THE CONVEYANCE OF EROSION PRODUCTS (E.G. SOIL, MULCH, SOD) OFF SITE, OR INTO ENVIRONMENTALLY SENSITIVE AREAS, OR INTO AREAS WHERE WORK WILL BE ADVERSELY IMPACTED. ENVIRONMENTALLY SENSITIVE AREAS INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, WETLANDS, TRIBUTARIES TO WETLANDS, WETLAND BUFFER ZONES, INTERMITTENT AND PERENNIAL STREAMS / RIVERS, AND THEIR ATTENDANT BUFFER ZONES.

ALL METHODS AND MATERIALS USED FOR EROSION CONTROL SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN "EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS A GUIDE FOR PLANNERS, DESIGNERS, AND MUNICIPAL OFFICIALS" AS PUBLISHED BY THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF RESOURCE PROTECTION, UNLESS OTHERWISE APPROVED IN WRITING.

1. REFER TO DRAWINGS FOR LOCATION AND DETAILS OF LIMITS OF DISTURBANCE AND CONTROL MEASURES REQUIRED TO COMMENCE WORK. LIMITS OF DISTURBANCE SHALL BE MARKED WITH TAPE, SIGNS, OR ORANGE CONSTRUCTION FENCE PRIOR TO COMMENCING ANY LAND DISTURBANCE ACTIVITIES. CONTROL MEASURES WILL BE ADEQUATE ONLY FOR VEGETATION CLEARING. THE DRAWINGS ARE NOT INTENDED TO GRAPHICALLY DEPICT ALL CONTROL MEASURES THAT WILL BE REQUIRED TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A.
2. DEVISE AND EMPLOY CONTROL MEASURES THROUGHOUT THE DURATION OF PROJECT, OVER ALL AREAS DISTURBED OR UNDISTURBED BY CONSTRUCTION, AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A.
3. DEVISE AND EMPLOY TEMPORARY CONTROL MEASURES AS NECESSARY TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A, WHILE ALLOWING WORK TO PROCEED IN AN EFFICIENT, COST EFFECTIVE MANNER.
4. DEVISE, EMPLOY AND MAINTAIN CONTROL MEASURES UNTIL SUCH TIME AS THE ENTIRE SITE IS PERMANENTLY STABILIZED BY ESTABLISHED VEGETATION, FINISH LANDSCAPE MATERIALS, PAVED SURFACES, AND/OR ROOF AREA.
5. ONCE THE SITE IS PERMANENTLY STABILIZED AND CERTIFIED AS SUCH BY ENGINEER, REMOVE TEMPORARY CONTROL MEASURES WHILE PROTECTING STABILIZED SURFACES.

1.02 SUBMITTALS

- A. SUBMIT PRODUCT DATA, WARRANTY, AND TEST REPORTS AS INDICATED ON THE DRAWINGS.
- B. SUBMIT SKETCH SHOWING LOCATIONS OF PROPOSED STOCKPILE AREAS, CONSTRUCTION ENTRANCES AND EROSION CONTROLS IF NOT SHOWN ON THE SITE PLAN OR DIFFERENT FROM THOSE LOCATIONS SHOWN ON THE SITE PLAN.
- C. A SITE SPECIFIC SEQUENCE OF CONSTRUCTION FOR EACH PORTION OF THE SITE. NO PORTION OF THE SITE SHALL EXCEED FIVE (5) ACRES.

1.03 QUALITY ASSURANCE

- A. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS FROM ACCEPTABLE MANUFACTURERS. USE EXPERIENCED INSTALLERS. DELIVER, HANDLE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. CONFORM TO CONDITIONS OF APPROVAL ISSUED BY REGULATORY AGENCIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, LOCAL PLANNING BOARD, CONSERVATION COMMISSION, CITY COUNCIL, BOARD OF HEALTH, PUBLIC WORKS / HIGHWAY DEPARTMENT, STATE ENVIRONMENTAL PROTECTION DEPARTMENT, AND U.S. GOVERNMENT, ENVIRONMENTAL PROTECTION AGENCY. WHERE CONDITIONS OF REGULATORY APPROVAL DIFFER FROM REQUIREMENTS CONTAINED HEREIN OR ON THE DRAWINGS, COMPLY WITH THE MORE STRINGENT REQUIREMENT.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. STRAW BALES: WEED FREE DRY GRASS OR STRAW, MACHINE BOUND WITH JUTE OR WIRE, APPROXIMATE SIZE EACH BALE 42" X 16" X 16". EACH BALE SHALL BE STAKED WITH A MINIMUM OF TWO 24" LONG HARDWOOD STAKES. NOTE: HAY SHALL NOT BE USED.
- B. SILT FENCE: NON-WOVEN, UV-RESISTANT, POLYPROPYLENE FABRIC, FLOW RATED AT 10 GPM/SF MINIMUM, GRAB TENSILE RATED AT 124 POUNDS MINIMUM, WITH INTEGRAL STAKE LOOPS, AND HARDWOOD STAKES. USE NO. 2130 BY AMOCO FABRICS & FIBERS, OR APPROVED EQUAL.
- C. MULCH: ORGANICS INCLUDING STRAW, PROCESSED PINE / HEMLOCK TWIGS AND NEEDLES.
- D. SEED MIXES: SHALL MEET THE REQUIREMENTS OF MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION SECTION 6.03.0 OR 6.03.1 AS APPROPRIATE.
- E. EXCELSIOR BLANKET: CURLED WOOD FIBER ON PHOTODEGRADABLE EXTRUDED PLASTIC MATRIX, 80% OF FIBERS 6-INCHES LONG OR LONGER, WEIGHT 0.975 POUNDS / SY, CONTAINING NO CHEMICAL ADDITIVES. USE CURLEX I BLANKET BY AMERICAN EXCELSIOR COMPANY, OR APPROVED EQUAL.
- F. ROCK RIPRAP: SOUND, ANGULAR, 6-INCH MINUS PROCESSED ROCK, BLAST ROCK, OR TAILINGS.
- G. CRUSHED STONE: SOUND, ANGULAR, 2-INCH MINUS PROCESSED CRUSHED STONE

PART 3 - EXECUTION

3.01 THROUGHOUT CONSTRUCTION

- A. DEVISE WORK SEQUENCE SO AS TO LIMIT DRAINAGE AREA THAT IS TRIBUTARY TO DISTURBED AREAS. DEVISE, EMPLOY, AND MAINTAIN CONTROL MEASURES SUCH AS DIVERSION CHANNELS AND BERMS, STRATEGICALLY LOCATED STOCKPILES, AND SEDIMENT BASINS TO SUBDIVIDE DRAINAGE AREAS INTO SMALL, MANAGEABLE SUBAREAS, THEREBY MINIMIZING RUNOFF AND THE POTENTIAL FOR EROSION.
- B. MAINTAIN BARRIER AT LIMIT OF WORK AND PROTECT EXISTING VEGETATION / FACILITIES OUTSIDE OF LIMIT OF WORK.
- C. MAINTAIN SPARE MATERIAL STOCKPILES FOR IMMEDIATE EMPLOYMENT / REPAIR / EXPANSION OF CONTROL MEASURES. AT A MINIMUM, SUCH MATERIALS SHALL INCLUDE HAY BALES, SILT FENCE AND STAKES, AND CRUSHED STONE.
- D. INSPECT AND MAINTAIN EFFECTIVENESS OF CONTROL MEASURES BY REPAIRING AS NECESSARY TO ENSURE INTENDED FUNCTION; BY SUPPLEMENTING AS NECESSARY FOR ADEQUATE EXTENT; BY REMOVING TRAPPED PRODUCTS OF EROSION AS NECESSARY TO MAINTAIN EFFECTIVE TRAP VOLUME.
- E. LIMIT EXTENT OF WORK AREA SO THAT ALL DISTURBED AREAS CAN BE STABILIZED WITH CONTROL MEASURES WITHIN A 24-HOUR PERIOD.
- F. INSTALL CONTROL MEASURES AS SOON AS PRACTICABLE AFTER EACH MANAGEABLE PORTION OF EARTHWORK IS COMPLETE. EMPLOY TEMPORARY MEASURES AS NECESSARY TO STABILIZE DISTURBED AREAS, EVEN WHERE SUBSEQUENT CONSTRUCTION OPERATIONS MAY REQUIRE RE-DISTURBANCE.
- G. WHEN INTENSE RAINFALL IS EXPECTED, CONSIDER, DEVISE, AND EMPLOY REINFORCING CONTROL MEASURES PRIOR TO THE RAINFALL EVENT TO MEET THE REQUIREMENTS DESCRIBED IN 1.01.A. IF NECESSARY, EMPLOY TEMPORARY CONTROL MEASURES ON MATERIAL STOCKPILES TO COUNTERACT POTENTIAL SEDIMENT TRANSPORT DURING INTENSE RAINFALL.
- H. WHEN VEHICLE REFUELING IS REQUIRED ON SITE, CONDUCT REFUELING OPERATIONS OUTSIDE OF ENVIRONMENTALLY SENSITIVE AREAS.
- I. PROPERLY DISPOSE OF DEBRIS, SOLID WASTE, TRASH, AND CONSTRUCTION WASTE / BYPRODUCTS OFF SITE.
- J. SWEEP ON-SITE PAVED AREAS AND OFF-SITE STREETS AS NECESSARY TO PREVENT SILT AND DEBRIS ORIGINATING ON SITE FROM ENTERING CLOSED DRAINAGE SYSTEMS AND / OR ENVIRONMENTALLY SENSITIVE AREAS. WHEN NECESSARY UTILIZE WATER SPRAYING, SURFACE ROUGHENING AND/OR APPLY POLYMERS, SPRAY-ON TACKIFIERS, CHLORIDES AND BARRIERS FOR DUST CONTROL.
- K. INSPECT EROSION CONTROLS DAILY THROUGHOUT CONSTRUCTION REPAIR DAMAGED CONTROLS IMMEDIATELY.

3.02 SITE PREPARATION AND ACCESS

- A. WALK SITE AND IDENTIFY LOCATIONS OF LIMIT OF WORK AND ENVIRONMENTALLY SENSITIVE AREAS. ESTABLISH CONSTRUCTION STAGING AREA, LOCATED BEYOND ENVIRONMENTALLY SENSITIVE AREAS.
- B. INSTALL CONTROL MEASURES AS SHOWN ON THE DRAWINGS, INCLUDING THOSE DEFINING THE LIMIT OF WORK.
- C. LIMIT VEHICULAR TRAFFIC TO AND FROM SITE TO MINIMIZE TRANSPORT OF SEDIMENT.

3.03 CLEARING, GRUBBING, AND STRIPPING

- A. SCHEDULE GRUBBING AND STRIPPING TO OCCUR IMMEDIATELY PRIOR TO EARTH DISTURBANCE. DEPENDING ON SITE AREA, CONSIDER MULTIPLE GRUBBING PHASES, SEQUENCED TO TAKE ADVANTAGE OF THE EROSION PREVENTION POTENTIAL OF EXISTING VEGETATIVE COVER.
- B. MINIMIZE THE AREA OF EXISTING VEGETATION REMOVED WHEREVER POSSIBLE. NO GREATER THAN FIVE (5) ACRES SHALL BE UNSTABLE AT ANY TIME.
- C. LOCATE AND SIZE STOCKPILES TO MINIMIZE EROSION POTENTIAL, TAKING ADVANTAGE OF TERRAIN SLOPE AND ASPECT, WHERE APPROPRIATE.
- D. PROTECT VEGETATION, INCLUDING ROOT SYSTEMS, BEYOND LIMIT OF CLEARING.
- E. PROCESS TIMBER, STUMPS, SLASH, AND BRUSH SO AS TO PROTECT ENVIRONMENTALLY SENSITIVE AREAS AND INSTALLED CONTROL MEASURES. PROPERLY DISPOSE OF EXCESS OFF SITE. BURIAL OF STUMPS ON SITE IS PROHIBITED.

3.04 EXCAVATION FOR BUILDING FOUNDATIONS AND UTILITIES

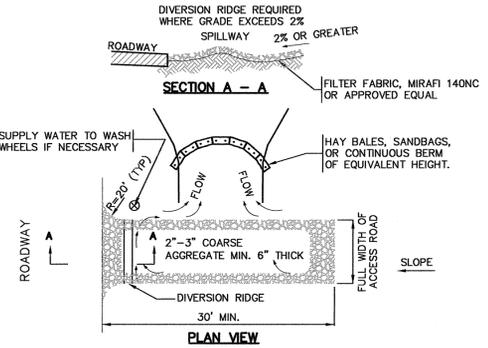
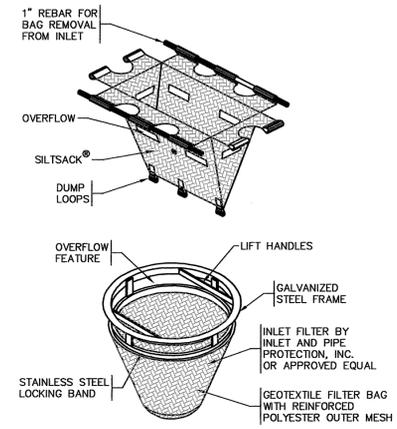
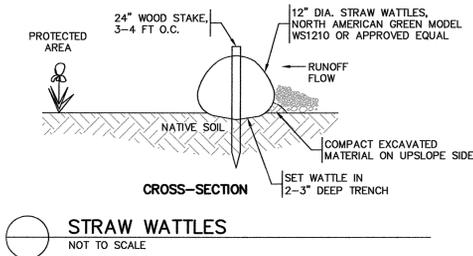
- A. DEVISE AND INSTALL CONTROL MEASURES ADEQUATE TO HANDLE DISCHARGES AND TRAP SEDIMENT FROM FOOTING SUMP AND WELL POINT PUMPS PRIOR TO EXCAVATION.
- B. ARMOR SUMP PUMP DISCHARGE LOCATIONS TO PREVENT EROSION AT POINT OF DISCHARGE AND AREAS DOWNSTREAM.
- C. IF FOUNDATION EXCAVATIONS GRADE TO DAYLIGHT ON THE LOW SIDE, DEVISE AND INSTALL CONTROL MEASURES TO HANDLE SURFACE AND GROUNDWATER FLOW FROM EXCAVATION LOW POINT.
- D. STOCKPILE EXCAVATED MATERIALS TO BAFFLE OVERLAND RUNOFF, AVOIDING THE CREATION OF LENGTHY PATHS OF CONCENTRATED RUNOFF. STOCKPILE SLOPES SHALL NOT EXCEED 2:1.
- E. BACKFILL UTILITY TRENCHES AS SOON AS PRACTICABLE TO PREVENT FLOODING, SLOUGHING, POTENTIAL OVERFLOW, AND REPETITIVE EARTH DISTURBANCE.

3.05 SITE GRADING

- A. WHERE APPLICABLE, FOLLOW EXCAVATION AND FILL PRACTICES SHOWN ON DRAWINGS TO LOCALIZE AND MINIMIZE EROSION.
- B. MONITOR SEDIMENT VOLUME IN TEMPORARY SEDIMENT BASINS AND AT DIVERSION BERMS AND CHECK DAMS. IN ALL AREAS EXCEPT THOSE THAT DO NOT PRESENT POTENTIAL PROBLEMS WITH REGARD TO FUTURE SOIL STABILITY, DRAINAGE, OR BEARING CAPACITY, REMOVE AND PROPERLY DISPOSE OF TRAPPED SEDIMENT BEFORE BRINGING SITE TO FINAL SUBGRADE.
- C. EXPOSED SOILS SHALL BE PERMANENTLY STABILIZED WITHIN FIVE (5) BUSINESS DAYS OF COMPLETION OF CONSTRUCTION OF A GIVEN AREA. EXPOSED AREAS WHERE NO WORK HAS OCCURRED FOR FOURTEEN (14) DAYS SHALL BE TEMPORARILY STABILIZED WITH HYDROSEED OR OTHER APPROVED METHOD.
- D. SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED IMMEDIATELY AFTER COMPLETION.

3.06 LANDSCAPING

- A. COMPLETE LANDSCAPING AS SOON AS POSSIBLE AFTER COMPLETION OF FINAL SUBGRADE.
- B. IMMEDIATELY AFTER PLACEMENT OF TOPSOIL, STABILIZE WITH CONTROL MEASURES INCLUDING, BUT NOT NECESSARILY LIMITED TO, SEED MIX, MULCH, AND / OR BLANKET.
- C. PERMANENT SEEDING MAY BE PERFORMED IN THE SPRING PRIOR TO JULY 1 AND IN BETWEEN AUGUST 1 AND OCTOBER 15. PERMANENT SEEDING AT OTHER TIMES SHALL BE APPROVED AND SHALL ONLY BE ALLOWED WITH AN APPROVED MULCHING AND IRRIGATION PROGRAM.



- NOTES:**
- [1] THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - [2] WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 - [3] WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
 - [4] USE SANDBAGS, HAY BALES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED.



APPROVED BY THE
ACTON PLANNING BOARD

_____ CHAIR

_____ APPLICATION FILED _____

_____ HEARING DATE _____

_____ PLAN APPROVED _____

DRAWING ISSUED FOR:

CONCEPT CONSTRUCTION

PERMIT CONSTRUCTION RECORD

THIS DRAWING MAY NOT SHOW CONSTRUCTION DETAILS AND SPECIFICATIONS FOR ALL PROPOSED IMPROVEMENTS, AND MAY NOT IDENTIFY ALL CONSTRUCTION WORK ITEMS/AREAS OF CONTRACTOR JURISDICTION.

PER 250 CMR 5.03(13), THE FOLLOWING ARE EXCLUDED FROM THE PROFESSIONAL ENGINEER'S RESPONSIBILITY: ALL BOUNDARY INFORMATION; LOCATION OF EXISTING STRUCTURES, TREES, UTILITIES, TOPOGRAPHY OR SIMILAR FEATURES; DESIGN OF RETAINING WALLS HIGHER THAN 4 FEET ABOVE GRADE, PROPRIETARY EQUIPMENT. SEE EXISTING CONDITION NOTES ON SHEET C3.1.

DOUGLAS E. MILLER
CIVIL ENGINEER
No. 33965
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	APP.	REVISION DESCRIPTION

GPR Engineering Solutions for Land & Structures

GOLDSMITH, PREST & RINGWALL, INC.
39 MAIN STREET, SUITE 301, ACTON, MA 01432
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING
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RESIDENTIAL COMPOUND

EROSION & SEDIMENT CONTROL PLAN

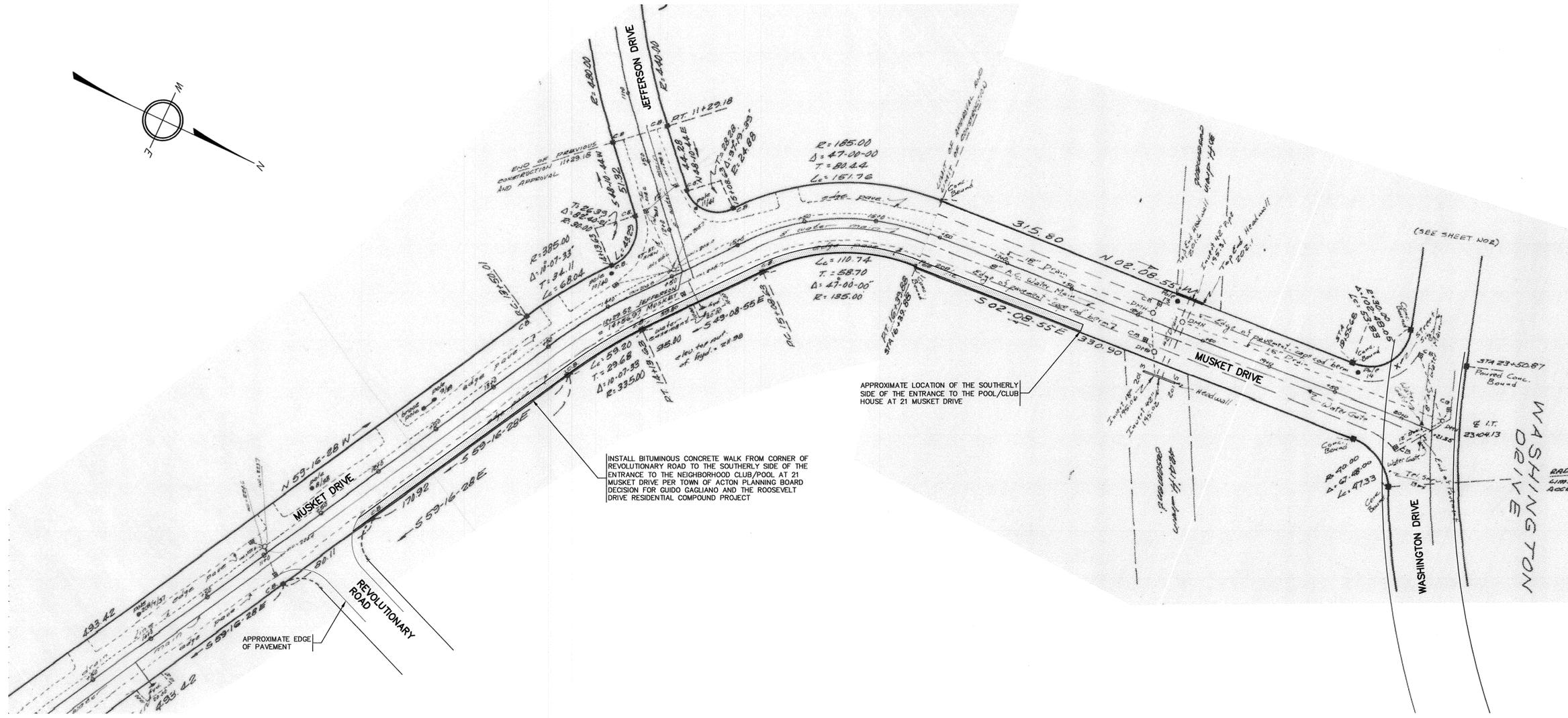
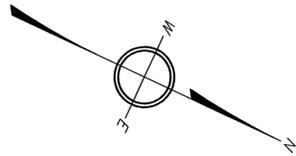
**ROOSEVELT DRIVE
ACTON, MA**

PREPARED FOR:
GUIDO & HELENE GAGLIANO
17 WASHINGTON DRIVE
ACTON, MA 01720

DES. BY: MKB	DATE: MARCH 2014	JOB 00159A	C7.1
CHK. BY: DEM			

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INSTALL BITUMINOUS CONCRETE WALK FROM CORNER OF REVOLUTIONARY ROAD TO THE SOUTHERLY SIDE OF THE ENTRANCE TO THE NEIGHBORHOOD CLUB/POOL AT 21 MUSKET DRIVE PER TOWN OF ACTON PLANNING BOARD DECISION FOR GUIDO GAGLIANO AND THE ROOSEVELT DRIVE RESIDENTIAL COMPOUND PROJECT

APPROXIMATE LOCATION OF THE SOUTHERLY SIDE OF THE ENTRANCE TO THE POOL/CLUBHOUSE AT 21 MUSKET DRIVE

APPROXIMATE EDGE OF PAVEMENT

APPROVED BY THE
ACTON PLANNING BOARD

CHAIR _____
APPLICATION FILED _____
HEARING DATE _____
PLAN APPROVED _____

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RESIDENTIAL COMPOUND

NEIGHBORHOOD SIDEWALK IMPROVEMENT PLAN

ROOSEVELT DRIVE ACTON, MA

PREPARED FOR:
GUIDO GAGLIANO
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ACTON, MA 01720

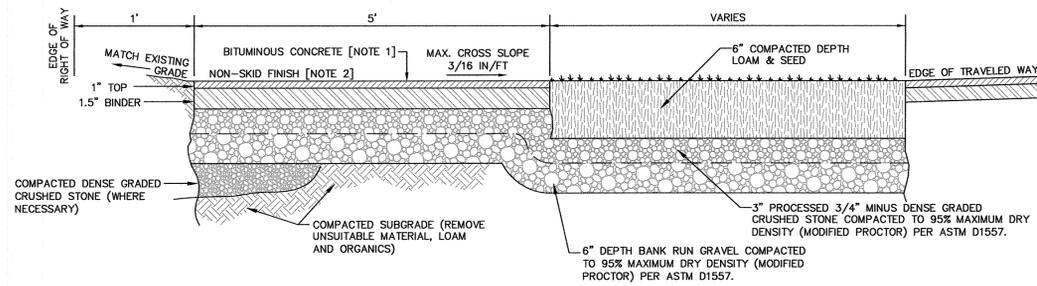
DES. BY: MKB	DATE: MARCH 2014	JOB 00159A	C8.1
CHK. BY: DEM			

PLAN NOTES:

- CONTRACTOR TO INSTALL SIDEWALK IN MANNER NOT TO OBSTRUCT EXISTING DRAINAGE PATTERNS AND IN ACCORDANCE WITH SECTION 9.6 OF THE TOWN OF ACTON SUBDIVISION RULES AND REGULATIONS.
- NOT ALL EXISTING FEATURES MAY BE SHOWN HEREON. CONTRACTOR TO CONTACT TOWN ENGINEER IF ANY OBSTRUCTIVE OBJECTS PREVENT THE CONSTRUCTION OF THE PROPOSED SIDEWALK.
- CONTRACTOR TO FIELD LOCATE ALL EXISTING ROADWAY BOUNDS PRIOR TO CONSTRUCTION AND PRESERVED DURING CONSTRUCTION. ANY DAMAGED BOUND IS TO BE REPLACED AND/OR RESET AND CERTIFIED BY A REGISTERED LAND SURVEYOR.
- MATCH PROPOSED SIDEWALK BITUMINOUS CONCRETE WALK WITH EXISTING PAVEMENT OF ANY EXISTING DRIVEWAYS.
- CONTRACTOR TO INSTALL ACCESS RAMPS, COMPLIANT WITH ADA AND MAAB REGULATIONS AT ALL SIDEWALK INTERSECTIONS WITH EXISTING DRIVEWAYS AND STREETS.

PLAN REFERENCES:

- "AS-BUILT - PLAN AND PROFILES FOR PATRIOTS HILL (SECTION III), ACTON, MASS." OWNED BY: PORTER G. JENKS, DEVELOPED BY: JENKS REALTY CORP. PLAN BY: EVERETT M. BROOKS CO., DATED SEPT. 26, 1967. ENDORSED BY TOWN OF ACTON PLANNING BOARD NOV. 3, 1967.
- "AS-BUILT PLAN - PLAN AND PROFILE FOR MUSKET DRIVE, JEFFERSON DRIVE, ACTON, MASS." PLAN BY: EVERETT M. BROOKS CO., DATED SEPTEMBER 28, 1966. ENDORSED BY TOWN OF ACTON PLANNING BOARD NOV. 21, 1966.
- "AS-BUILT PLAN - PLAN AND PROFILE OF MUSKET DRIVE IN ACTON, MASS. (BETWEEN STA. 0+00 AND STA. 8+56.50), ISAAC DAVIS PARK SUBDIVISION" PLAN BY: EVERETT M. BROOKS CO., DATED DECEMBER 20, 1966. ENDORSED BY THE TOWN OF ACTON PLANNING BOARD NOV. 3, 1967.
- "MUSKET DRIVE SIDEWALK AS-BUILT PLAN, ACTON, MASS." FOR PATRIOT CONSERVATION TRUST BY STAMSKI AND McNARY, INC. DATED OCTOBER 3, 2005.



NOTES:

[1] MHD M3.11.03 CLASS I, TYPE 1-1 BITUMINOUS CONCRETE. 1/2" MAXIMUM AGGREGATE OR PARTICLE SIZE. COMPACT TO TEST AVERAGE OF 95% NO TEST LOWER THAN 93%

[2] MAXIMUM 5% SLOPE

