

# "VILLAGE GREEN APARTMENTS"

## 40B COMPREHENSIVE PERMIT APPLICATION

### at 15 Great Road

### Littleton, Massachusetts

NOTE:

ALL SUPPLEMENTAL DATA SUBMITTED IN CONJUNCTION WITH THIS 40B COMPREHENSIVE PERMIT APPLICATION AS REQUIRED BY THE LITTLETON ZONING BOARD OF APPEALS IS HEREBY INCORPORATED AS PART OF THE PLAN SET. THIS PLAN, ITS SUPPORTING DOCUMENTATION AND FORM WORK ARE SUBMITTED PURSUANT TO THE PROVISIONS OF THE TOWN OF LITTLETON'S ZONING BOARD OF APPEALS MODEL RULES FOR THE ISSUANCE OF A COMPREHENSIVE PERMIT AND MASSACHUSETTS GENERAL LAW, CHAPTER 40B.

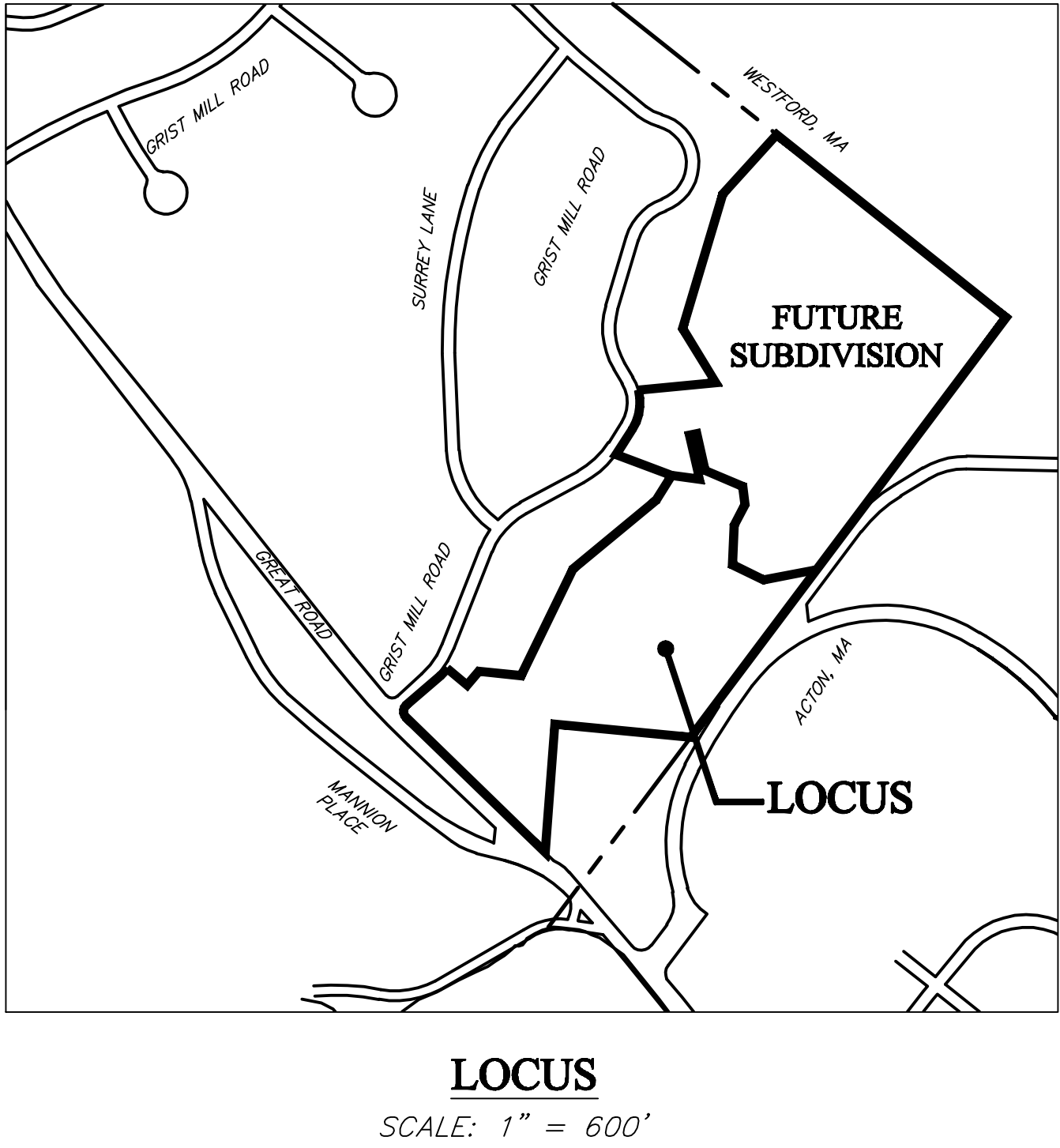
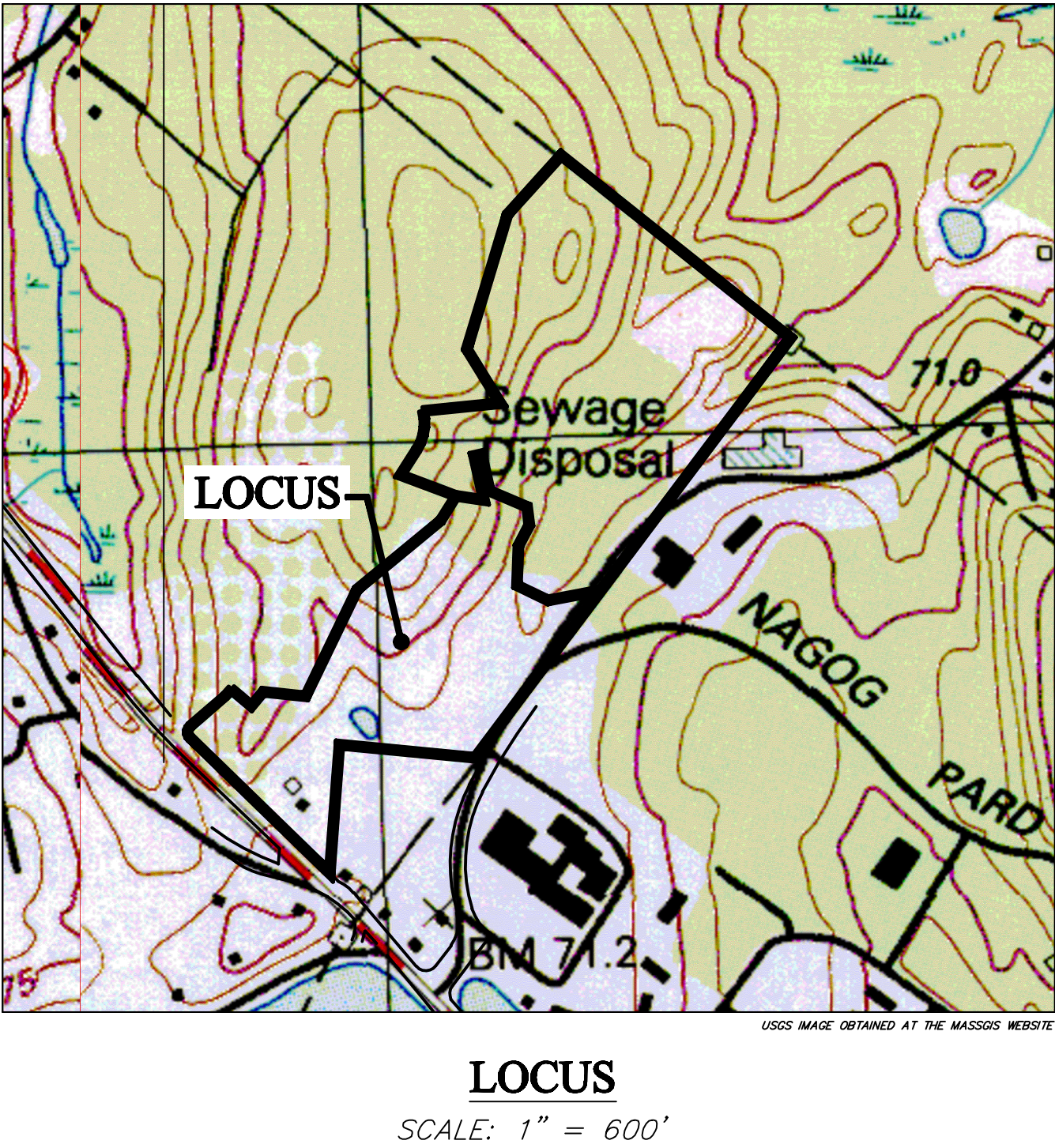
LITTLETON ASSESSOR DATA:  
MAP & PARCEL: MAP U1 PARCELS  
2-0, 6-0, 32-17, 32-18, 32-19, 32-20,  
1-27 AND 1-28.

REFERENCES:  
MIDDLESEX SOUTH REGISTRY OF DEEDS  
BK 44725 PG 484  
BK 54533 PG 583  
BK 58154 PG 123  
BK 58154 PG 126

ZONING  
R-RESIDENTIAL

SITE DOES NOT CONTAIN ANY FLOOD HAZARD  
ZONE PER FLOOD INSURANCE RATE MAP  
25017C243E PANEL 243 OF 656 EFFECTIVE  
JUNE 4, 2010.

SITE IS NOT WITHIN A LITTLETON AQUIFER OR  
WATERSHED PROTECTION OVERLAY DISTRICT.



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GENERAL REVISION NOTE:  
PREVIOUS PLAN DATES:  
MAY 2011-ORIGINAL SUBMITTAL  
FEB 16, 2012-GENERAL REVISION  
JULY 9, 2012-COMPREHENSIVE PERMIT SUBMISSION  
NOV 1, 2012-PAVEMENT REDUCTION, GENERAL REVISION  
DEC 4, 2012-MINOR REVISIONS

APPLICANT:  
Fifteen Great Road LLC  
200 Baker Avenue-Suite 303  
Concord, MA 01742

OWNERS:  
Nashoba Place Realty Trust (Parcel 2.0)  
John R. Keilty, Trustee  
Seven Dearborn Rd.  
Peabody, MA 01960

JFM Realty Trust (Parcel 6.0)  
Leslie French, Trustee  
P.O. Box 1472  
Littleton, MA 01460

Littleton Holding Realty Trust  
(Parcels 32-17, 32-18, 32-19, 32-20,  
32-27, 32-28)  
John R. Keilty, Trustee  
40 Lowell Ave.  
Peabody, MA 01960

PLANNER, LANDSCAPE ARCHITECT, CIVIL  
ENGINEER & SURVEYOR:  
Places Associates, Inc.  
510 King Street, Suite 9  
Littleton, MA 01460

ARCHITECT:  
Maugel Architects, Inc.  
200 Ayer Road  
Harvard, MA 01451

#### COVER SHEET

LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS  
PREPARED FOR:

FIFTEEN GREAT  
ROAD LLC

SCALE: AS SHOWN DATE: JULY 9, 2012

Places Associates, Inc.

Planning, Landscape Architecture,  
Civil Engineering, Surveying

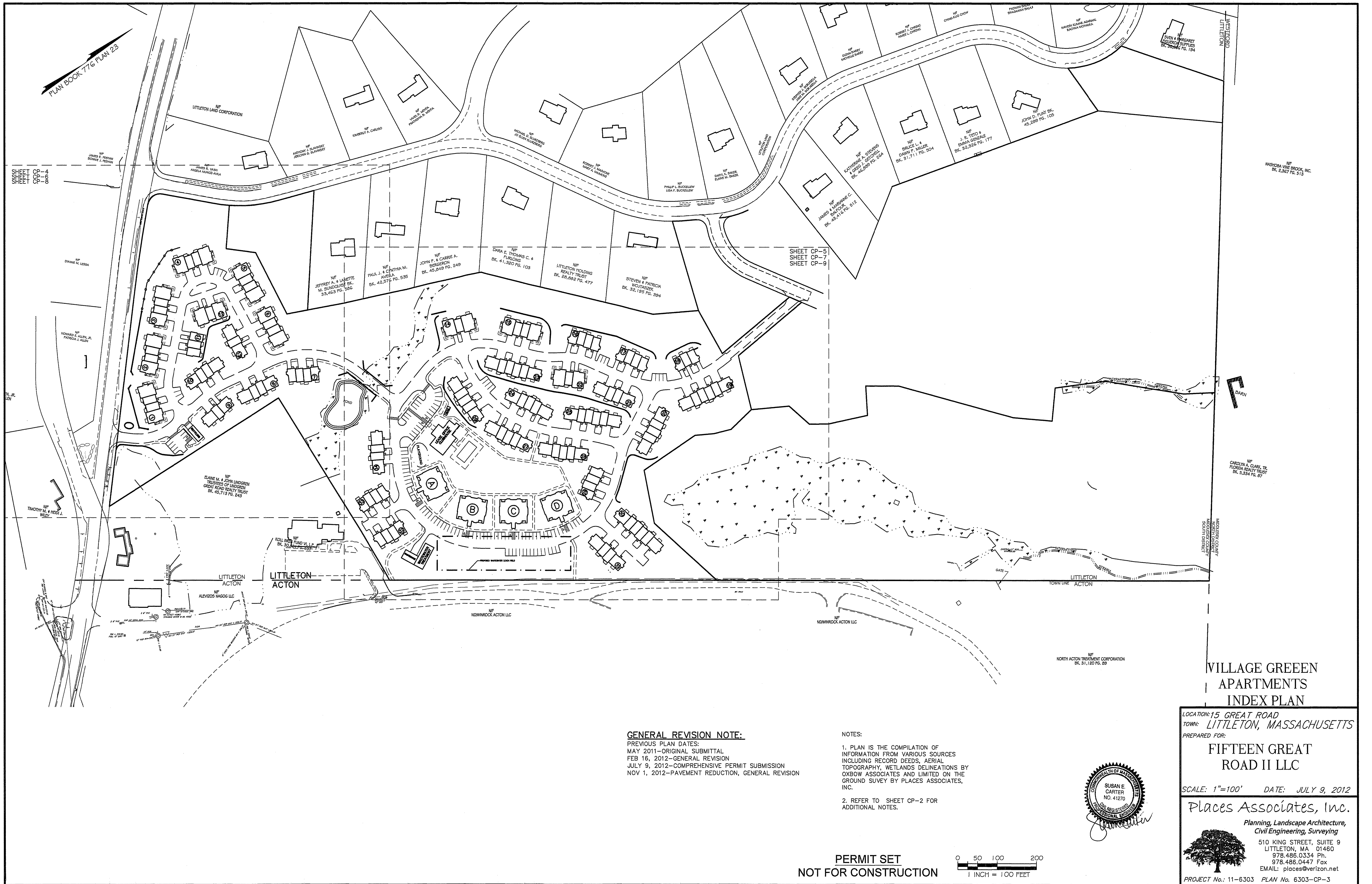


510 KING STREET, SUITE 9  
LITTLETON, MA 01460  
978.486.0334 Ph.  
978.486.0447 Fax  
places@placesassociates.com

PROJECT No.: 11-6303 PLAN No. CP-1

PERMIT SET  
NOT FOR CONSTRUCTION

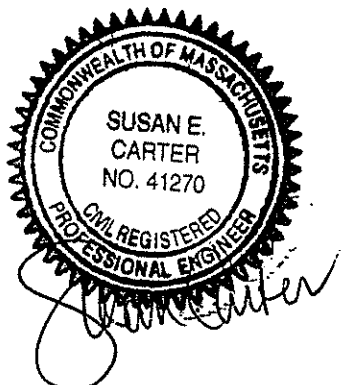
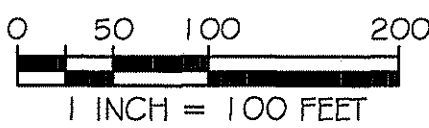




**GENERAL REVISION NOTE:**  
PREVIOUS PLAN DATES:  
MAY 2011-ORIGINAL SUBMITTAL  
FEB 16, 2012-GENERAL REVISION  
JULY 9, 2012-COMPREHENSIVE PERMIT SUBMISSION  
NOV 1, 2012-PAVEMENT REDUCTION, GENERAL REVISION

**NOTES:**  
1. PLAN IS THE COMPILATION OF INFORMATION FROM VARIOUS SOURCES INCLUDING RECORD DEEDS, AERIAL TOPOGRAPHY, WETLANDS DELINEATIONS BY OXBOW ASSOCIATES AND LIMITED ON THE GROUND SURVEY BY PLACES ASSOCIATES, INC.  
2. REFER TO SHEET CP-2 FOR ADDITIONAL NOTES.

**PERMIT SET  
NOT FOR CONSTRUCTION**



**VILLAGE GREEN  
APARTMENTS  
INDEX PLAN**

LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS  
PREPARED FOR:  
**FIFTEEN GREAT  
ROAD II LLC**

SCALE: 1"=100'      DATE: JULY 9, 2012

**Places Associates, Inc.**  
Planning, Landscape Architecture,  
Civil Engineering, Surveying  
510 KING STREET, SUITE 9  
LITTLETON, MA 01460  
978.486.0334 Ph.  
978.486.0447 Fax  
EMAIL: places@verizon.net

PROJECT No.: 11-6303      PLAN No. 6303-CP-3



#### GENERAL NOTES:

1. PRIOR TO THE PREPARATION OF BIDS AND/OR THE INITIATION OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN AND CAREFULLY EXAMINE THIS PLAN SET, RELATED CONSTRUCTION PLAN SETS FROM OTHER PROFESSIONAL DISCIPLINES, CONSTRUCTION SPECIFICATIONS, MANUFACTURERS INFORMATION AND ANY APPLICABLE PERMIT REQUIREMENTS/CONDITIONS OF APPROVAL FOR THE PROJECT.
2. THE EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. DIG SAFE AND THE APPROPRIATE UTILITY COMPANIES SHALL BE CONTACTED BY THE CONTRACTOR PRIOR TO THE INITIATION OF CONSTRUCTION.
3. NOT ALL UTILITIES WERE ABLE TO BE LOCATED BY RECORD INFORMATION, SITE SURVEYS OR UTILITY LOCATOR SERVICES. THE DESIGN ENGINEER AND BASE PLAN SURVEYOR DO NOT ACCEPT ANY RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OR SUBSURFACE STRUCTURES WHICH ARE OMITTED OR INACCURATELY SHOWN. PRIOR TO THE INITIATION OF WORK, THE CONTRACTOR SHALL VERIFY THE LOCATION/ELEVATION OF EXISTING UTILITIES SHOWN ON THE PLAN.
4. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY UPON THE DISCOVERY OF ANY DISCREPANCY BETWEEN THE LOCATION/ELEVATION OF ANY EXISTING UTILITIES SHOWN ON THE PLANS AND THAT WHICH IS FOUND IN THE FIELD.
5. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A REGISTERED PROFESSIONAL LAND SURVEYOR TO PROVIDE LAYOUT & CONTROL FOR THE DEVELOPMENT OF THE SITE.
6. ALL CONSTRUCTION UNDER AREAS SUBJECT TO VEHICULAR TRAFFIC SHALL BE CONSTRUCTED TO WITHSTAND A DIRECT H20 DESIGN LOAD. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL UTILITY/SITE IMPROVEMENT AREAS UNDER LANDSCAPED/NON-TRAFFIC BEARING AREAS FROM TEMPORARY CONSTRUCTION LOADS DURING CONSTRUCTION.
7. THE CONSTRUCTION SHOWN ON THESE PLANS REQUIRES AN ORDER OF CONDITIONS BE ISSUED BY THE LITTLETON CONSERVATION COMMISSION. THE CONTRACTOR SHALL OBTAIN A COPY OF SUCH ORDERS OF CONDITIONS PRIOR TO ANY SITE-RELATED DISTURBANCES AND SHALL COMPLY WITH APPROPRIATE CONDITIONS FOR CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL ADJACENT PROPERTY FROM DAMAGE. ALL DAMAGES BY THE CONTRACTOR OR SUBCONTRACTORS SHALL BE REPAIRED AT NO COST TO THE OWNER.
9. THE CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING SURVEY MONUMENTS (BOUNDS, PINS, PIPES, DRILL HOLES, ETC.) THROUGHOUT ALL PHASES OF CONSTRUCTION. ANY DISTURBED MONUMENTS SHALL BE REPLACED BY A REGISTERED PROFESSIONAL LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
10. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY UPON THE DISCOVERY OF ANY CONTRADICTION, INCOMPLETE OR MISLABELED INFORMATION SHOWN ON THE PLANS OR PLANS PREPARED BY OTHERS. THE CONTRACTOR SHALL ALLOW FOR ADEQUATE TIME FOR THE ENGINEER TO RESPOND/PROVIDE DIRECTION FOR THE PLAN DISCREPANCY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SHOP DRAWINGS OF PRODUCTS/MATERIALS TO THE ENGINEER AND/OR THE LOCAL APPROVING AUTHORITY AS REQUIRED IN THE CONSTRUCTION DOCUMENTS OR IF REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION OVER THE PRODUCT. ADEQUATE TIME SHALL BE ALLOWED FOR THE SHOP DRAWINGS TO BE REVIEWED AND RETURNED TO THE CONTRACTOR PRIOR TO ORDERING THE SPECIFIED PRODUCTS/MATERIALS.
12. ALL SUPPLEMENTAL DATA SUBMITTED IN CONJUNCTION WITH THIS PRELIMINARY SUBDIVISION AS REQUIRED BY THE SUBDIVISION REGULATIONS IS HEREBY INCORPORATED AS PART OF THE PLAN SET.
13. ALL PERMANENT BOUNDARY AND SURVEY MONUMENTS SHALL BE INSTALLED AFTER THE COMPLETION OF ALL HEAVY SITE WORK.
14. NO DEBRIS, JUNK, RUBBISH OR OTHER WASTE MATERIALS SHALL BE BURIED, BURNED OR OTHERWISE DISPOSED OF WITHIN THE LIMITS OF THE PROJECT. ALL WASTE, TRASH AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS.
15. UNLESS OTHERWISE SPECIFIED OR SHOWN, ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE STANDARDS DESCRIBED IN THE TOWN OF LITTLETON'S SUBDIVISION CONTROL REGULATIONS. IF NOT SPECIFIED THEREIN, SUCH CONSTRUCTION SHALL THEN CONFORM TO THE REQUIREMENTS OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MDOT, FORMERLY MASSHIGHWAY) STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST VERSION.
16. THE CONTRACTOR SHALL APPLY FOR AND OBTAIN, A PERMIT FROM MASS HIGHWAY TO CONSTRUCT WITHIN A PUBLIC WAY FOR WORK WITHIN GREAT ROAD, STATE ROUTE 2A. CONTROLLED DENSITY FILL SHALL BE USED AS PAVEMENT BASE COURSE WITHIN THE STATE HIGHWAY LAYOUT.
17. WETLANDS DELINEATION PERFORMED BY OXBOW ASSOCIATES, INC. OF ACTON, MA IN APRIL 2011. LOCATIONS OF PLACES WERE FIELD-SURVEY LOCATED BY PLACES ASSOCIATES, INC. THE FINAL WETLANDS LIMITS ARE SUBJECT TO REVIEW AND APPROVAL BY THE LITTLETON CONSERVATION COMMISSION.
18. TOWN LINES DEPICTED HEREON ARE DERIVED FROM PLAN RECORD INFORMATION AND WILL BE FIELD SURVEY DETERMINED PRIOR TO SUBMITTAL OF A DEFINITIVE PLAN.

#### SITE WORK NOTES:

1. THE LIMITS OF WORK SHALL BE FIELD ESTABLISHED PRIOR TO INITIATION OF ANY CONSTRUCTION, SITE EXPLORATIONS OR EARTHEN DISTURBANCE.
2. EROSION CONTROLS SHALL BE IMPLEMENTED PRIOR TO SITE CLEARING OR DISTURBANCE. SEE EROSION AND SEDIMENTATION CONTROL PLAN.
3. EXCEPT FOR THE SETUP FOR ENTRY TO THE SITE, NO CONSTRUCTION OR CONTRACTOR'S VEHICLES SHALL BE PARKED ON GRIST MILL ROAD OR GREAT ROAD. UNLESS COORDINATED WITH ADJACENT PROPERTY OWNERS, ALL CONSTRUCTION STAGING, STOCKPILE AND PARKING AREAS SHALL BE ONSITE.
4. LOAM SHALL BE STOCKPILED FOR RE-USE ON THE SITE TO THE EXTENT PRACTICAL, SEE EROSION AND SEDIMENTATION CONTROL PLAN.
5. NO DEBRIS, JUNK, RUBBISH OR OTHER WASTE MATERIALS SHALL BE BURIED, BURNED OR OTHERWISE DISPOSED OF WITHIN THE LIMITS OF THE PROJECT. ALL WASTE, TRASH AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS. THE SITE SHALL BE KEPT IN A NEAT AND ORDERLY FASHION.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TRENCH OPERATIONS PERMIT PURSUANT TO THE REQUIREMENTS OF THE TOWN OF LITTLETON AND 520 CMR 14.00 (AKA "JACKIE'S LAW").

#### MATERIAL DEFINITIONS:

BITUMINOUS CONCRETE PAVEMENT	ALL SITE PAVING SHALL BE CLASS 1 BITUMINOUS CONCRETE. MIXTURES SHALL BE COMPOSED OF MINERAL AGGREGATE, MINERAL FILLER (IF REQUIRED) AND BITUMINOUS MATERIAL. THE MIXTURE MAY INCLUDE RECLAIMED ASPHALT PAVEMENT AT THE OPTION OF THE CONTRACTOR.	
	THE MIXTURE COMPOSITION AND TOLERANCES SHALL MEET THE SPECIFICATIONS FOR BINDER COURSE AND TOP COURSE MIXTURES AS SPECIFIED IN TABLE A OF SSHB M3.11.03. IF RECLAIMED ASPHALT PAVEMENT (RAP) IS USED IN THE MIXTURE, THE PROPORTION OF RAP TO VIRGIN AGGREGATE SHALL BE LIMITED TO A MAXIMUM OF 40% FOR DRUM MIX PLANTS AND 20% FOR MODIFIED BATCH PLANTS.	
CAST IN PLACE CONCRETE	ALL SITE CAST IN PLACE CONCRETE AND RELATED REINFORCING SHALL MEET THE REQUIREMENTS OF THE MASSACHUSETTS STATE BUILDING CODE, THE AMERICAN CONCRETE INSTITUTE (ACI) AND THE AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM) FOR PRODUCT MATERIALS, FORM WORK, PLACEMENT AND CURING. ALL SITE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI UNLESS OTHERWISE REQUIRED IN THE CONSTRUCTION DOCUMENTS.	
	CONTROL DENSITY FILL SHALL BE A FLOWABLE, SELF-CONSOLIDATING, RIGID SETTING, LOW DENSITY MATERIAL THAT CAN SUBSTITUTE FOR COMPACTED GRAVELS FOR BACKFILLS, FILLS AND STRUCTURAL FILLS. CDF SHALL BE EXCAVATED BY HAND TOOLS AND/OR SMALL EQUIPMENT WHEN PLACED AND CURED. CDF SHALL MEET THE REQUIREMENTS OF SSHB M4.0.08, TYPE 2E, AND SHALL MEET THE FOLLOWING REQUIREMENTS:  A. CDF IS TO BE BATCHED AT A READY MIX PLANT AND IS TO BE USED AT A HIGH OF "VERY HIGH SLUMP FROM 10" TO 12". IT SHALL BE FLOWABLE AND REQUIRE NO VIBRATION AFTER IT HAS BEEN PLACED.  B. CDF SHALL BE A MIXTURE OF PORTLAND CEMENT, FLYASH, SAND AND WATER DESIGNED TO MEET THE CDF REQUIREMENTS. HIGH AIR ENTRAINMENT MAY BE SUBSTITUTED FOR FLYASH WITH AN ADMIXTURES (25%) ADJUSTMENT IN SAND CONTENT.  C. CDF MUST MEET THE FOLLOWING STRENGTH REQUIREMENTS: -28 DAY COMPRESSIVE STRENGTH: 30-60 PSI -90 DAY COMPRESSIVE STRENGTH: 100 PSI MAX	
CRUSHED STONE	CRUSHED STONE SHALL BE THE SIZE AS INDICATED ON THE PLANS. THE STONE SHALL BE FROM A STONE QUARRY THAT PRODUCES HARD, ANGULAR, DURABLE WASHED STONE FREE FROM DEBRIS AND ORGANIC MATERIALS. THE STONE SHALL MEET THE REQUIREMENTS OF SSHB M2.01.0	
DENSE GRADED CRUSHED STONE	DENSE GRADED CRUSHED STONE SHALL CONSIST OF THE COMBINATION OF CRUSHER-RUN COARSE AGGREGATES (MEETING SSHB M2.01.0) AND FINE AGGREGATES OF NATURAL SAND OR STONE SCREENING UNIFORMLY PREMISED WITH A PREDETERMINED QUANTITY OF WATER. COARSE AGGREGATE SHALL CONSIST OF HARD, DURABLE PARTICLES OF FRAGMENTS OF STONE. MATERIALS THAT BREAK UP WHEN ALTERNATELY FROZEN AND THAWED OR WETTED AND DRIED SHALL NOT BE USED. FINE AGGREGATE SHALL CONSIST OF NATURAL OR CRUSHED SAND. THE GRADATION/MATERIAL SHALL COMPLY WITH THE SPECIFICATIONS OF SSHB M2.01.7	
GLACIAL TILL	A. GLACIAL TILL: NATURAL INORGANIC SOLID APPROVED BY THE ENGINEER AND MEETING THE FOLLOWING REQUIREMENTS:  A. IT SHALL BE FREE OF ORGANIC OR OTHER WEAK OR COMPRESSIBLE MATERIALS, FROZEN MATERIALS AND STONES GREATER THAN TWO INCHES IN MAXIMUM DIMENSION.  B. IT SHALL BE A SILT LOAM AS DEFINED BY THE U.S. DEPARTMENT OF AGRICULTURE SOIL TEXTURAL CLASSIFICATION.  C. THE SOIL SHALL CONSIST OF GREATER THAN 50% SILT, 12% TO 27% CLAY, OR 50% TO 80% SILT AND LESS THAN 12% CLAY.	
	GRAVEL BORROW SHALL CONSIST OF INERT MATERIAL THAT IS HARD, DURABLE STONE OR WURSE SAND, FREE FROM CLAY, SURFACE COATINGS, ORGANIC AND DELETERIOUS MATERIAL. ALL GRAVEL BORROW SHALL MEET THE REQUIREMENTS OF SSHB M1.03.0. MAXIMUM STONE SIZE SHALL BE AS FOLLOWS:  TYPE A: 6" LARGEST DIMENSION TYPE B: 3" LARGEST DIMENSION TYPE C: 2" LARGEST DIMENSION	
LOAM (BORROW)	LOAM SHALL CONSIST OF NATURAL TOPSOIL, FREE FROM SUB-SOIL, OBTAINED FROM AN AREA WHICH HAS NEVER BEEN STRIPPED. LOAM SHALL BE OF UNIFORM QUALITY, FREE FROM HARD CLUMPS, STIFF CLAY HARDPAN, SOIL, PARTIALLY DISINTEGRATED STONE, LIME, CEMENT, ASHES, SLAG, CONCRETE, TAR RESIDUE, TARRIED PAPER, BOARDS, CHIPS OR ANY OTHER UNDESIRABLE MATERIAL.  LOAM SHALL CONTAIN BETWEEN 5.5 AND 7.5 PERCENT ORGANIC MATTER AS DETERMINED BY LOSS ON IGNITION OF A MOISTURE-FREE SAMPLE DRIED IN ACCORDANCE WITH THE CURRENT METHOD OF THE ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS.  THE ACIDITY RANGE OF THE LOAM SHALL BE PH 6.5 TO PH 7.5 INCLUSIVE.  THE MECHANICAL ANALYSIS OF THE SOIL SHALL BE AS FOLLOWS:	
	U.S. SIEVE SIZE & NUMBER	PERCENT PASSING MINIMUM MAXIMUM
	1/4 INCH	100% 97%
	NO. 100 (SAND)	49% 60%
	NO. 100 (SILT & CLAY)	40% 80%
ORDINARY BORROW	ORDINARY BORROW SHALL CONSIST OF MATERIAL NOT SPECIFIED AS ANY OTHER MATERIAL. ORDINARY BORROW SHALL BE WELL GRADED, NATURAL, INORGANIC MATERIAL ACCEPTABLE TO THE ENGINEER FOR THE GENERAL FILLING TO THE SPECIFIED SUB-GRADE. THE MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS:  A. IT SHALL BE FREE OF ORGANIC OR OTHER WEAK OR COMPRESSIBLE MATERIAL, OF FROZEN MATERIALS AND OF STONES LARGER THAN 6 INCHES IN MAXIMUM DIMENSION.  B. IT SHALL BE OF SUCH NATURE & CHARACTER THAT IT CAN BE COMPACTED TO THE SPECIFIED DENSITIES IN A REASONABLE AMOUNT OF TIME.  C. IT SHALL BE FREE OF HIGHLY PLASTIC CLAYS, OF ALL MATERIALS SUBJECT TO DECAY, DECOMPOSITION, AND OF CINDERS OR OTHER MATERIALS WHICH WILL CORRODE PIPING OR OTHER BURIED MATERIALS.  D. IT SHALL HAVE A MAXIMUM DRY DENSITY OF NOT LESS THAN 100 POUNDS PER CUBIC FOOT AND LESS THAN 40 % OF THE MATERIAL SHALL PASS THE NUMBER 200 SIEVE.  E. EXCAVATED ROCK & BOULDERS SMALLER THAN ONE CUBIC YARD IN SIZE MAY BE USED IN FILL AREAS UNDER LAWN ONLY. PROVIDED THEY ARE A MINIMUM OF 24 INCHES BELOW THE SUBGRADE, PLACED AND COMPACTED IN LAYERS WITH NO VOIDS AND ALL INTERSTICES FILLED.	
	RIP-RAP STONE SHALL BE SOUND, DURABLE ROCK, ANGULAR IN SHAPE. RIP RAP SHALL BE FREE FROM DEBRIS, ORGANIC OR DELETERIOUS MATERIAL, ROUNDED STONES, BOULDERS, SANDSTONE OR SIMILAR SOFT STONE OR RELATIVELY THIN SLABS WILL NOT BE PERMITTED UNLESS SPECIFICALLY PERMITTED BY THE DESIGN ENGINEER. ALL RIP RAP MATERIALS SHALL MEET THE REQUIREMENTS OF SSHB M2.02.0.	
SAND BORROW	SAND BORROW SHALL CONSIST OF CLEAN INERT, HARD, DURABLE GRAINS OF QUARTZ OR OTHER HARD DURABLE ROCK, FREE FROM LOAM OR CLAY, SURFACE COATINGS AND DELETERIOUS MATERIALS. THE ALLOWABLE AMOUNT OF MATERIAL PASSING A #200 SIEVE AS DETERMINED BY AASHTO T 11 SHALL NOT EXCEED 10% MASS. ALL SAND BORROW SHALL MEET THE REQUIREMENTS OF SSHB M1.04.0. MAXIMUM STONE SIZE SHALL BE AS DEPICTED IN THE PLANS.	
COMPACTION TESTING	ALL EARTHEN MATERIALS SHALL BE COMPACTED TO THE DRY DENSITY INDICATED IN THE CONSTRUCTION DOCUMENTS AND/OR AS IS REQUIRED BY CODE OR REGULATION. MAXIMUM DRY DENSITY SHALL BE DETERMINED FROM A SAMPLE OF THE MATERIAL TO BE USED AND TESTED IN ACCORDANCE WITH THE MODIFIED PROCTOR DRY DENSITY TEST AS DEFINED IN ASTM D1557, METHOD C.	
	AREAS THAT WERE TESTED AND FOUND TO BE INSUFFICIENTLY COMPACTED SHALL BE RE-TESTED AFTER THE ADDITIONAL COMPACTION HAS BEEN COMPLETED.	

#### ABBREVIATIONS

ABBREVIATION	DEFINITION
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ABR	ABBREVIATION
AR-1	ACCESSIBLE RAMP - TYPE 1
AR-2	ACCESSIBLE RAMP - TYPE 2
AR-3	ACCESSIBLE RAMP - TYPE 3
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
B&B	BALL & BURLAP
BC	BOTTOM CURB ELEVATION
BIT. CONC.	BITUMINOUS CONCRETE
BLDG	BUILDING
BM	BENCHMARK
BR	BOTTOM RAMP ELEVATION
CAL	CALIPER
CB	CONCRETE BOUND
CF	CUBIC FOOT
CI	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
CTB	CATCH BASIN
CY	CUBIC YARD
DH	DRILL HOLE
DI	DUCTILE IRON PIPE
DIA	DIAMETER
DMH	DRAIN MANHOLE
ELEV	ELEVATION
EMH	ELECTRIC MANHOLE
EX	EXISTING
EXT.	EXTERIOR
FDN	FOUNDATION
FES	FLARED END SECTION
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FND	FOUND
FSSB	FIELD STONE BOUND
FT	FEET - LINEAR MEASURE
GAL	GALLON
GPW	GALLONS PER MINUTE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
HT	HEIGHT
I. PIN	IRON PIN
I. PIPE	IRON PIPE
ID	INSIDE DIAMETER
INV.	PIPE INVERT ELEVATION
LP	LOW POINT
MAX	MAXIMUM
MHB	MASS HIGHWAY BOUND
MIN	MINIMUM
MUTC	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
OC	ON CENTER
OD	OUTSIDE DIAMETER
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P&P	PLUG & PIN
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE PIPE
RCP	ROUND CONCRETE PIPE
R & S	REMOVE & STOCKPILE ITEM
REQ'D	REQUIRED
SB	STONE BOUND
SMH	SEWER MANHOLE
SPR	SPREAD
S&S	STAKE & STONE
SSHB	STANDARD SPECIFICATIONS OF HIGHWAYS & BRIDGES, THE COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS
STV	SLOPED TO VERTICAL CURB TRANSITION SEGMENT
TBM	TEMPORARY BENCH MARK
TC	TOP OF CURB ELEVATION
TMH	TELEPHONE MANHOLE
TOC	TOP OF CONCRETE FOUNDATION ELEVATION
TR	TOP OF RAMP ELEVATION
TYP	TYPICAL FOR ALL ITEMS SHOWN
UP	UTILITY POLE
VGCS	VERTICAL GRANITE CURB TRANSITION SEGMENT

#### LEGEND

	EXISTING	PROPOSED
INDEX CONTOUR	-100	100
INTERMEDIATE CONTOUR	-99	99
SPOT GRADE	X 100.52	X 100.52
STONE WALL		
EDGE OF WOODS		
EDGE OF WATER BODY		
100' YEAR FLOOD LINE		
EDGE OF WETLAND		
25' BUFFER		
50' BUFFER		
75' BUFFER		
100' BUFFER		
WETLAND		
WETLAND FLAG		
RIVERFRONT		
100' RIVER BUFFER		
200' RIVER BUFFER		
SILTATION BARRIER		
BUILDING SETBACK LINE		
WELL		
TREE		
FLAGPOLE		
BOUND		
DRILL HOLE		
IRON PIN		
BENCHMARK		
PERC TEST		
TEST PIT		
SOIL BORING		
EDGE OF GRAVEL		
EDGE OF WALK		
EXPANSION JOINT		
CONSTRUCTION JOINT		
EDGE OF PAVEMENT		
CAPE COD BERM		
BIT CONC. (TYPE 3)		
CONCRETE CURB		
VERT. GRANITE CURB		
SLOPED GRANITE CURB		
STOCKADE FENCE		
CHAIN LINK FENCE		
FENCE - OTHER		
FENCE GATE		
GUARD RAIL		
WOOD GUIDE RAIL		
ROOT BARRIER		
SIGN POST		
FOUNDATION DRAIN		
ROOF DRAIN		
DRAIN LINE		
DRAIN MANHOLE		
CATCHBASIN		
FLARED END IN/OUT		
CLEANOUT		
IRRIGATION LINE		
FIRE PROTECTION LINE		
WATER LINE		
WATER VALVE		
FIRE HYDRANT		
WATER SHUTOFF		
OVERHEAD WIRES		
UNDERGROUND WIRES		
GUY POLE		
UTILITY POLE		
GUY ANCHOR		
UTILITY BOX		
STREETLIGHT		
LAMP POST		
ELECTRIC MANHOLE		
TELEPHONE MANHOLE		
SEWER LINE		
SEWER FORCE MAIN		
LOW PRESSURE SEWER		
SEWER MANHOLE		
GAS LINE		
GAS VALVE		

## VILLAGE GREEN APARTMENTS NOTES AND LEGEND

LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS  
PREPARED FOR:

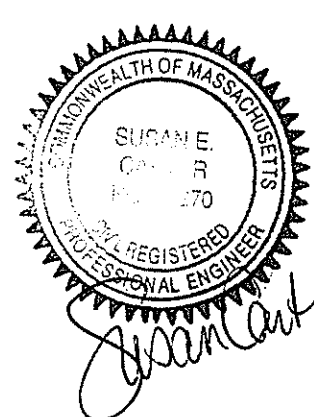
## FIFTEEN GREAT ROAD LLC

SCALE: AS NOTED DATE: JULY 9, 2012

Places Associates, Inc.

Planning, Landscape Architecture,  
Civil Engineering, Surveying  
510 KING STREET, SUITE 9  
LITTLETON, MA 01460  
978.486.0334  
978.486.0447 Fax  
EMAIL: places@verizon.net

PROJECT No.: 11-6303 PLAN No. 6303-CP-2



PERMIT SET  
NOT FOR CONSTRUCTION

NOTE: ALL SUPPLEMENTAL DATA SUBMITTED IN CONJUNCTION WITH THIS PRELIMINARY SUBDIVISION AS REQUIRED BY THE SUBDIVISION REGULATIONS IS HEREBY INCORPORATED AS PART OF THE PLAN SET. THIS PLAN, ITS SUPPORTING DOCUMENTATION AND FORM-WORK ARE SUBMITTED PURSUANT TO THE PROVISIONS OF THE TOWN OF LITTLETON'S SUBDIVISION REGULATIONS AND MASSACHUSETTS GENERAL LAW, CHAPTER 81 AND PURPOSEFULLY OBTAINS THE PROTECTIONS PROVIDED THEREIN.

#### GENERAL REVISION NOTE:

PREVIOUS PLAN DATES:  
MAY 2011--ORIGINAL SUBMITTAL  
FEB 16, 2012--GENERAL REVISION  
JULY 9, 2012--COMPREHENSIVE PERMIT SUBMISSION  
NOV 1, 2012--PAVEMENT REDUCTION, GENERAL REVISION













PLAN BOOK 776 PLAN 23

- NOTES:
1. PLAN IS THE COMPILATION OF INFORMATION FROM VARIOUS SOURCES INCLUDING RECORD DEEDS, AERIAL TOPOGRAPHY AND WETLANDS DELINEATIONS BY OTHERS AND IS NOT NECESSARILY THE RESULT OF AN ON THE GROUND SURVEY BY PLACES SITE CONSULTANTS, INC.
  2. SOIL TESTING TO DEMONSTRATE FEASIBILITY OF ON-SITE SUBSURFACE SEWAGE DISPOSAL SYSTEMS IS INCLUDED WITH THE PRELIMINARY SUBDIVISION APPLICATION PACKAGE.
  3. REFER TO SHEET CP-2 FOR ADDITIONAL NOTES.

PERMIT SET  
NOT FOR CONSTRUCTION

VILLAGE GREEN  
APARTMENTS  
GRADING PLAN 1 OF 2

GENERAL REVISION NOTE:  
PREVIOUS PLAN DATES:  
MAY 2011-ORIGINAL SUBMITTAL  
FEB 16, 2012-GENERAL REVISION  
JULY 9, 2012-COMPREHENSIVE PERMIT SUBMISSION  
NOV 1, 2012-PAVEMENT REDUCTION, GENERAL REVISION

LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS  
PREPARED FOR:  
FIFTEEN GREAT  
ROAD II LLC

SCALE: 1"=40' DATE: JULY 9, 2012

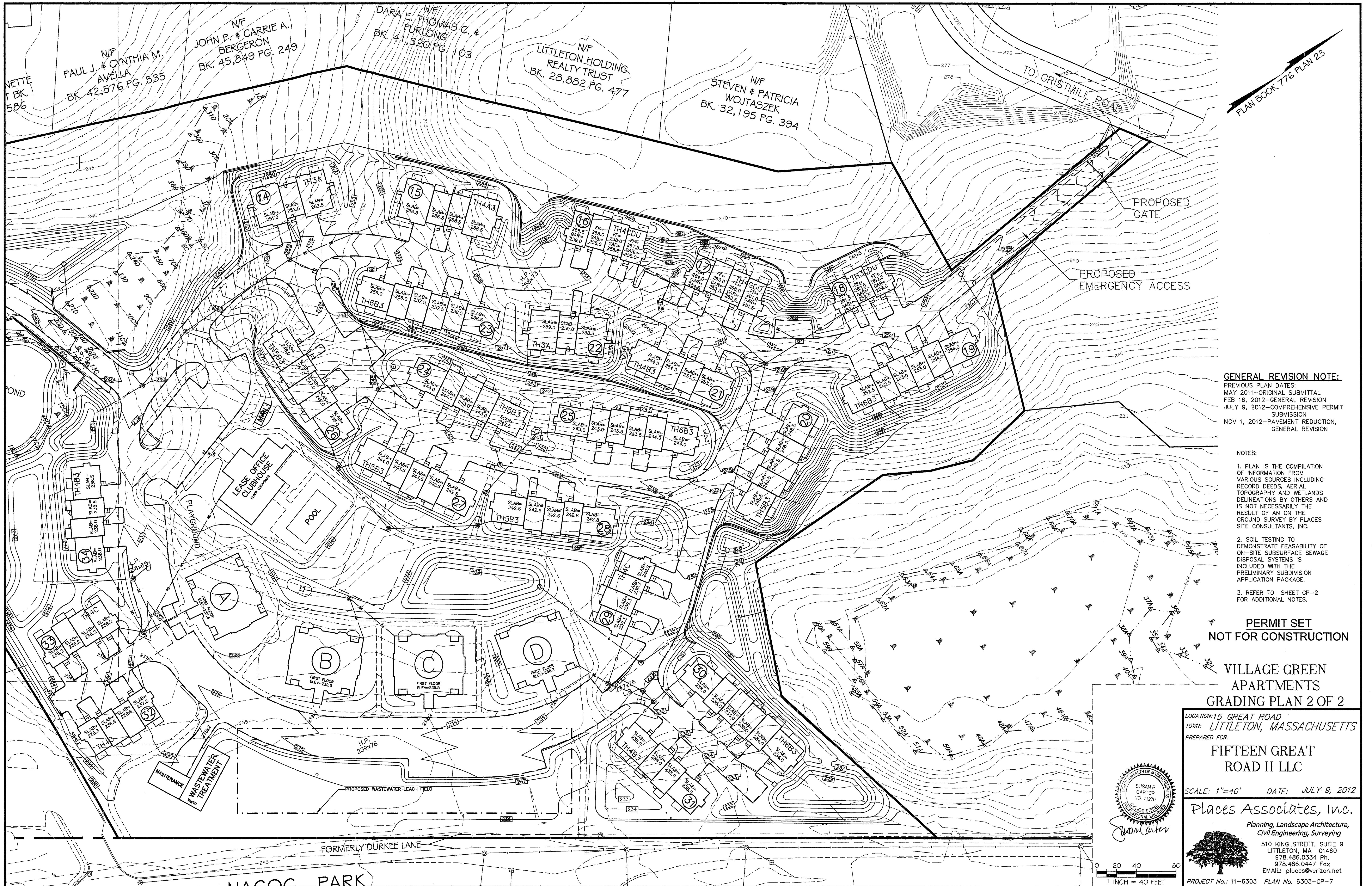
Places Associates, Inc.

Planning, Landscape Architecture,  
Civil Engineering, Surveying  
510 KING STREET, SUITE 9  
LITTLETON, MA 01460  
978.486.0334 Ph.  
978.486.0447 Fax  
EMAIL: places@verizon.net

PROJECT No.: 11-6303 PLAN No. 6303-CP-6







**GENERAL REVISION NOTE:**  
PREVIOUS PLAN DATES:  
MAY 2011-ORIGINAL SUBMITTAL  
FEB 16, 2012-GENERAL REVISION  
JULY 9, 2012-COMPREHENSIVE PERMIT SUBMISSION  
NOV 1, 2012-PAVEMENT REDUCTION, GENERAL REVISION

- NOTES:
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**PERMIT SET  
NOT FOR CONSTRUCTION**

**VILLAGE GREEN  
APARTMENTS  
GRADING PLAN 2 OF 2**

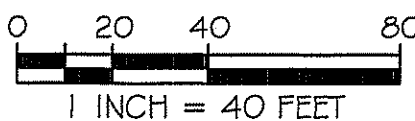
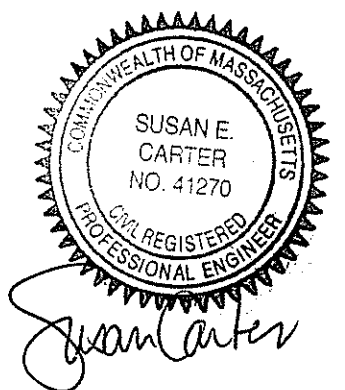
LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS  
PREPARED FOR:

**FIFTEEN GREAT  
ROAD II LLC**

SCALE: 1"=40' DATE: JULY 9, 2012

**Places Associates, Inc.**

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EMAIL: places@verizon.net  
PROJECT No.: 11-6303 PLAN No. 6303-CP-7





GREAT ROAD (ROUTE 2A & 119)

MANNION PLACE

N/F  
DIANNE M. LESSA

N/F  
HOWARD E. ALLEN, JR.  
PATRICIA J. ALLEN

N/F  
JAMES R. VASH  
ANGELA MUNOZ-AVILA

N/F  
JEFFREY A. & LANETTE  
M. SUNDQUIST BK.  
33,463 PG. 586

N/F  
PAUL J. & CYN  
AVELLA  
BK. 42,576

N/F  
ELAINE M. & JOHN LINDGREN  
TRUSTEES OF LINDGREN  
GREAT ROAD REALTY TRUST  
BK. 45,713 PG. 243

N/F  
JIMMY M. & HEIDI J.  
WILSON

PLAN BOOK 776 PLAN 23

NOTES:  
1. PLAN IS THE COMPILATION  
OF INFORMATION FROM  
VARIOUS SOURCES INCLUDING  
RECORD DEEDS, AERIAL  
TOPOGRAPHY AND WETLANDS  
DELINEATIONS BY OTHERS AND  
IS NOT NECESSARILY THE  
RESULT OF AN ON THE  
GROUND SURVEY BY PLACES  
SITE CONSULTANTS, INC.

GENERAL REVISION NOTE:  
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NOV 1, 2012-PAVEMENT REDUCTION, GENERAL REVISION

PERMIT SET  
NOT FOR CONSTRUCTION

VILLAGE GREEN  
APARTMENTS  
DRAINAGE PLAN 1 OF 2

LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS

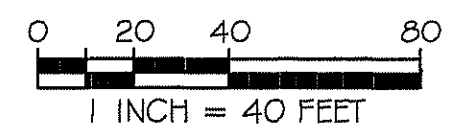
PREPARED FOR:  
FIFTEEN GREAT  
ROAD II LLC

SCALE: 1"=40' DATE: JULY 9, 2012

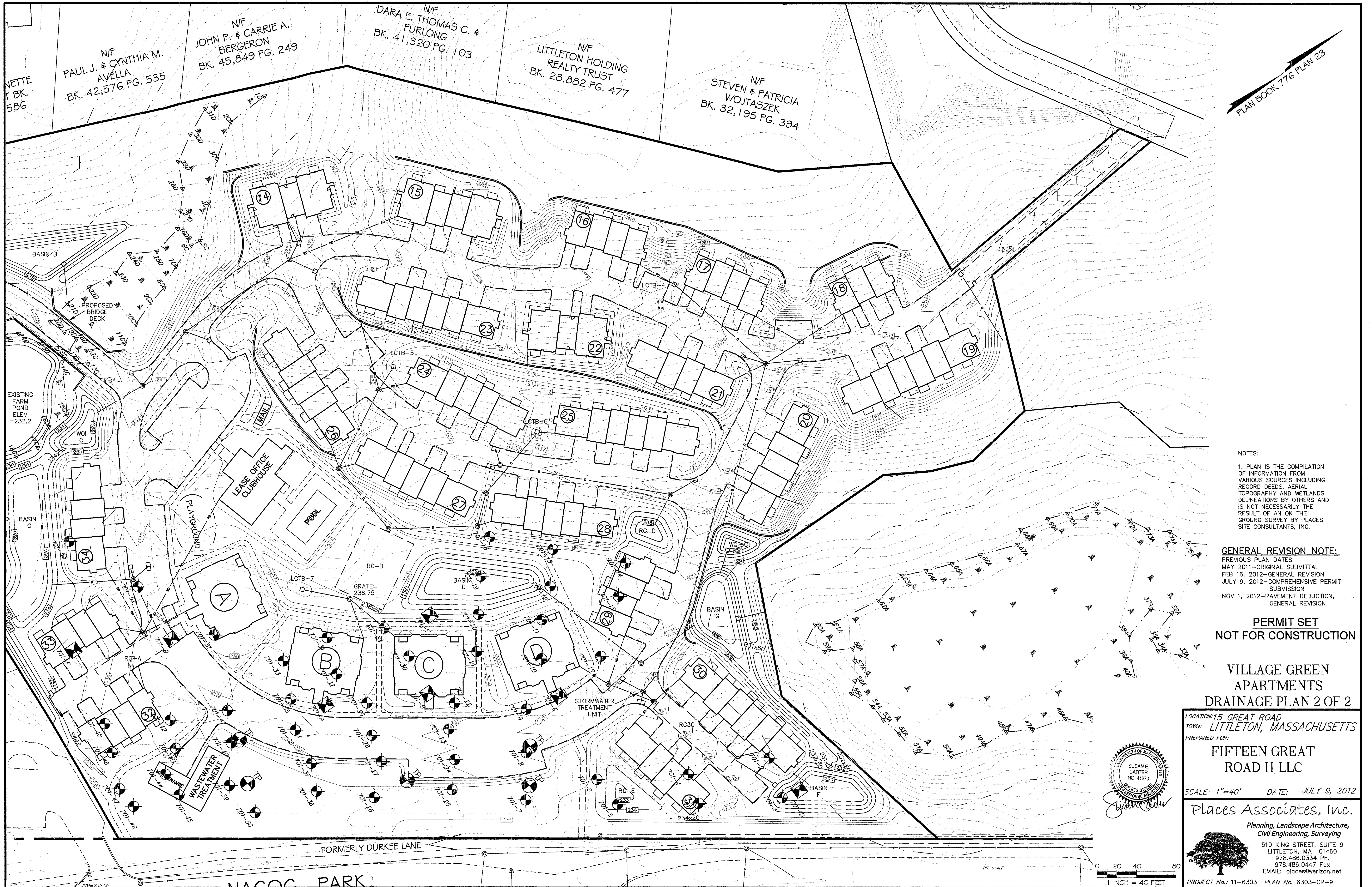
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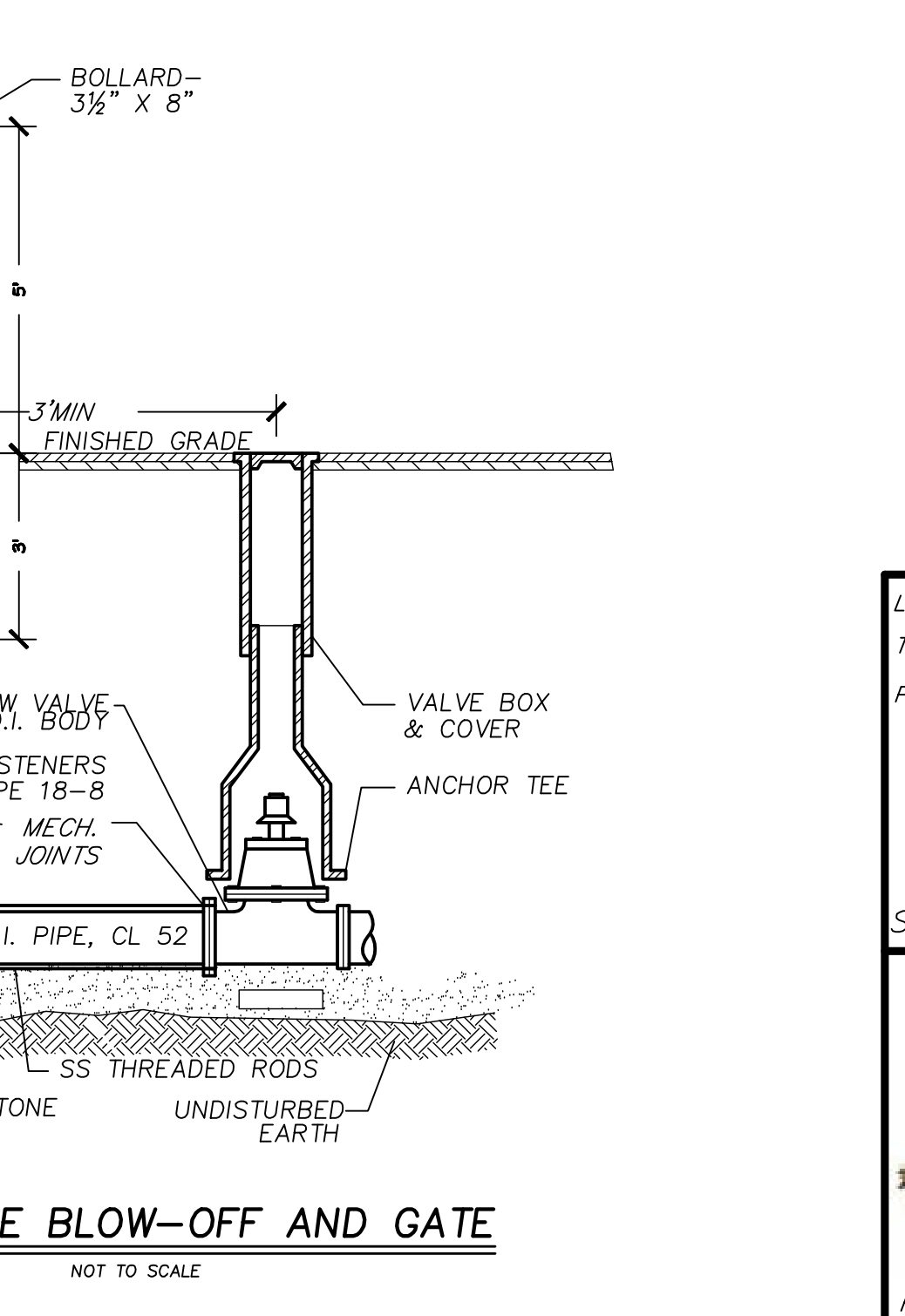
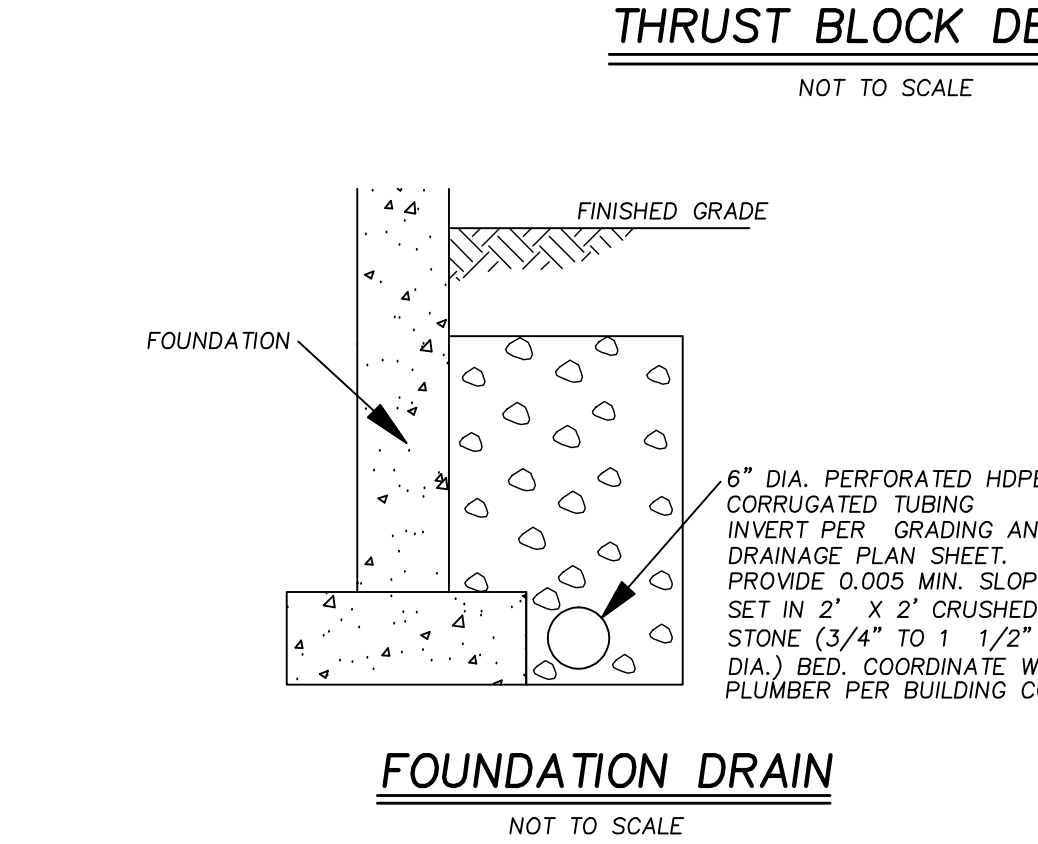
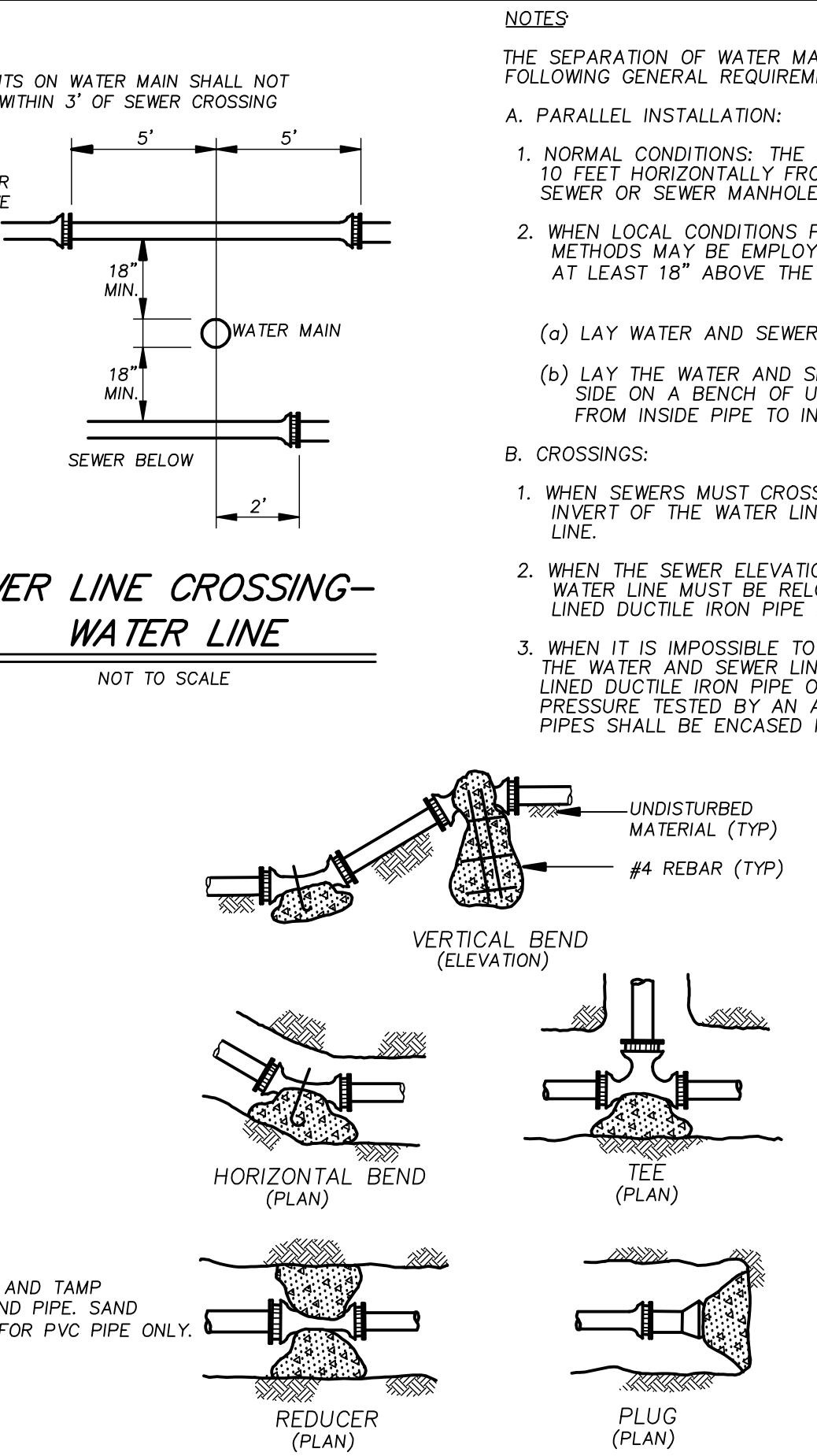
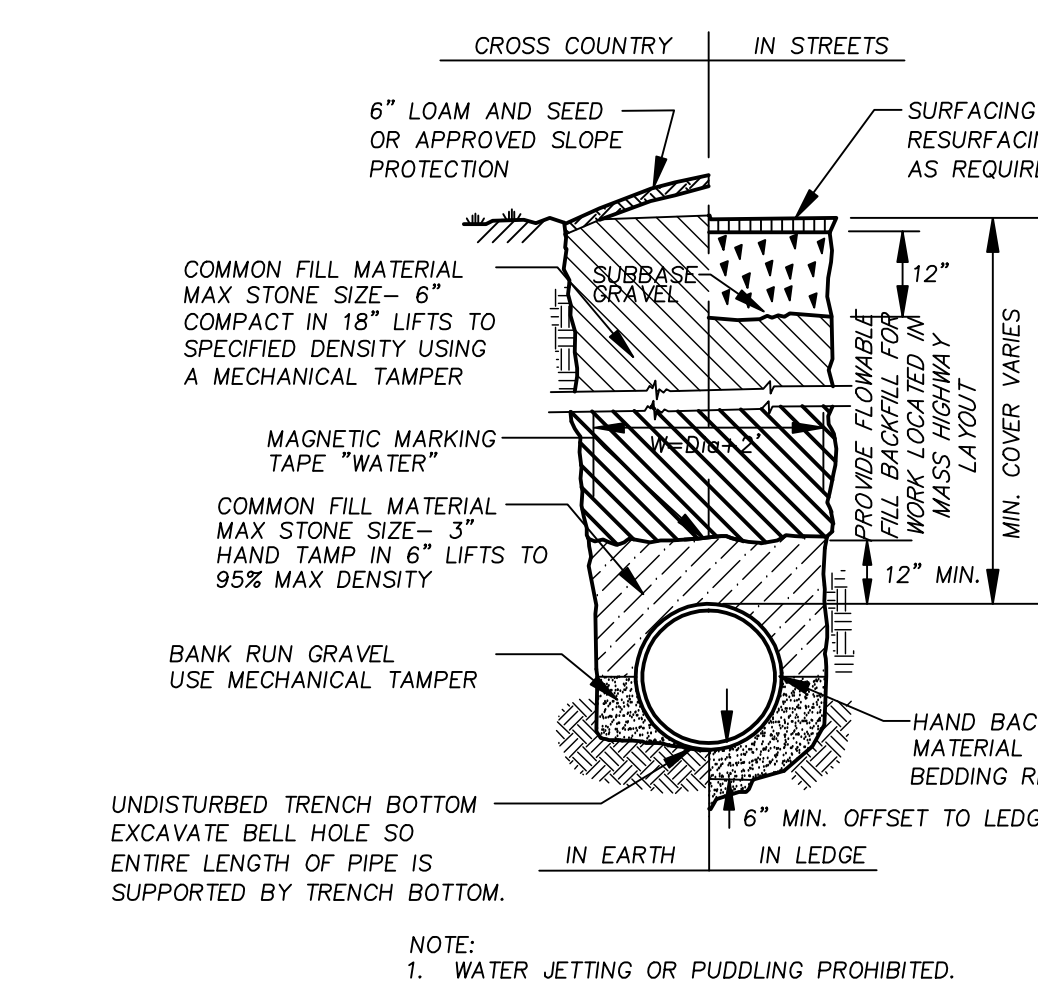
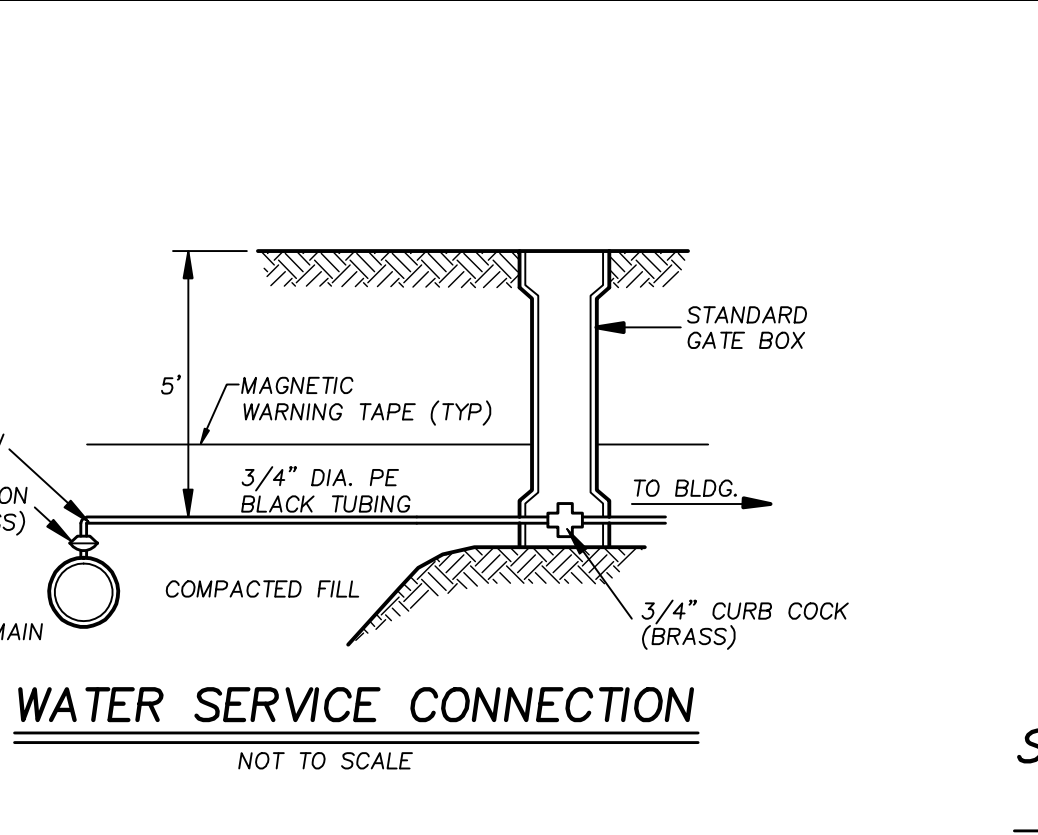
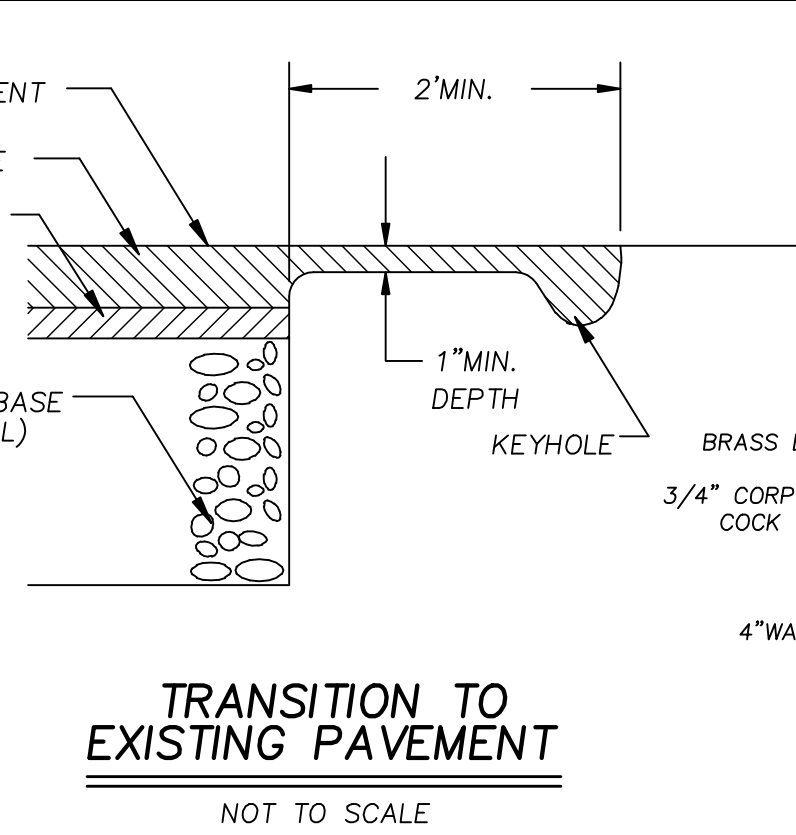
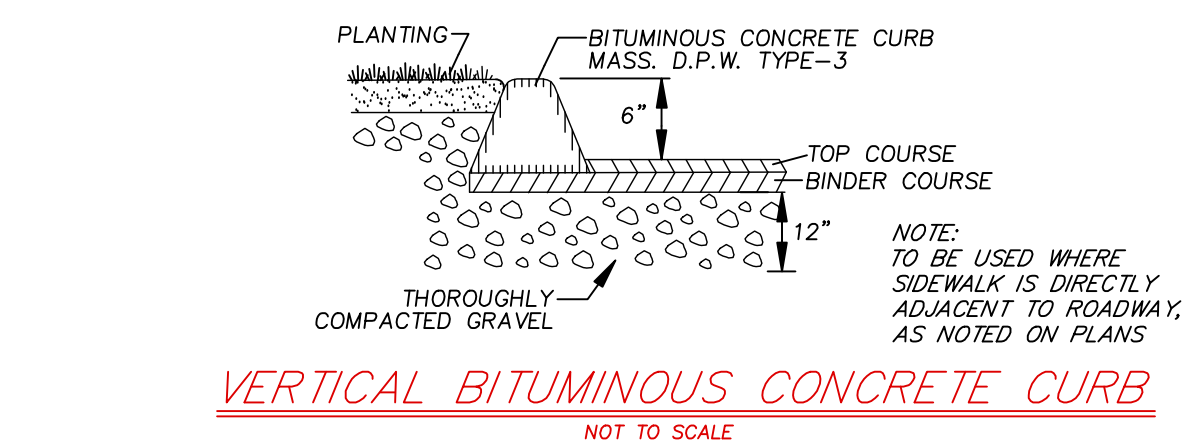
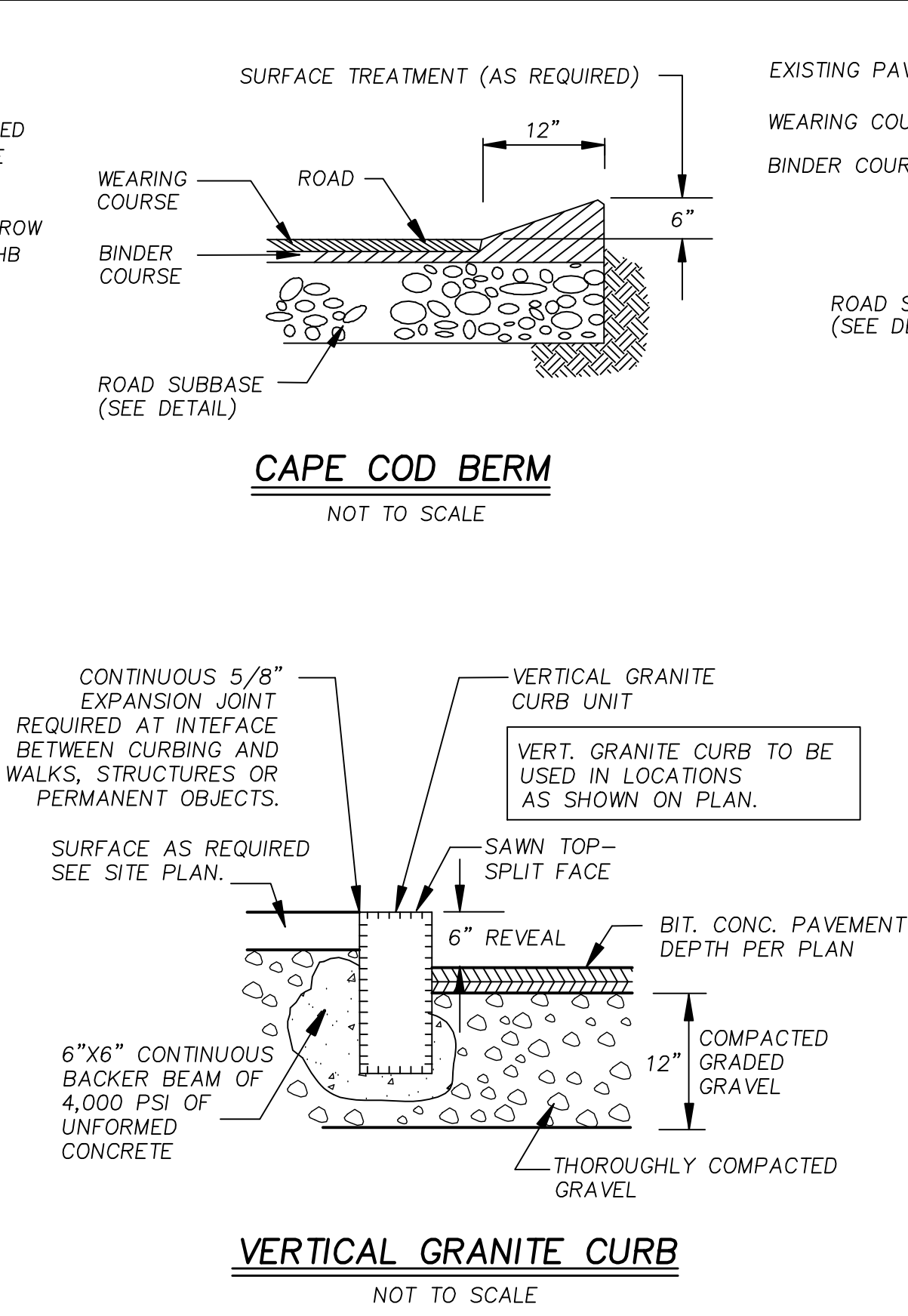
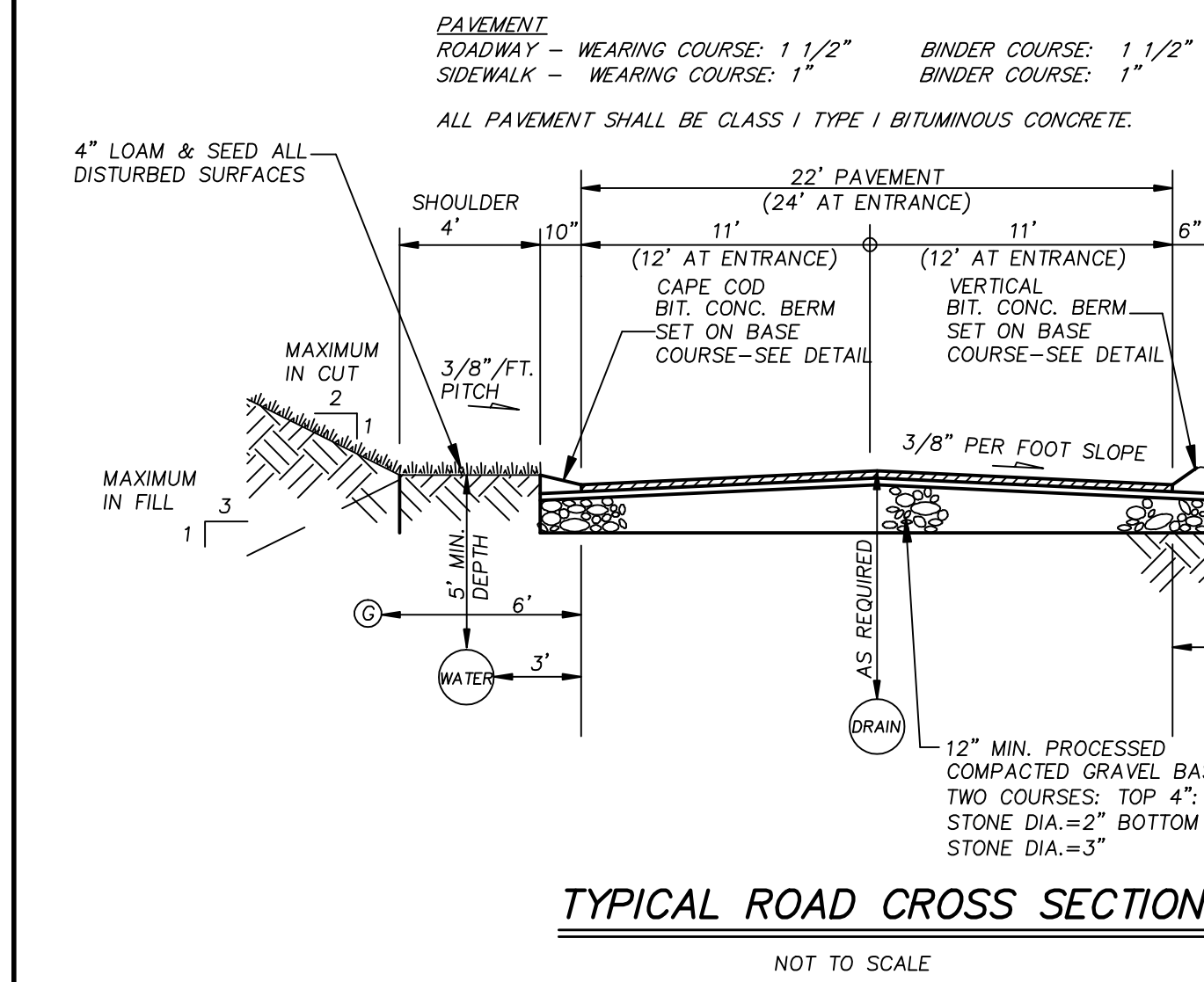
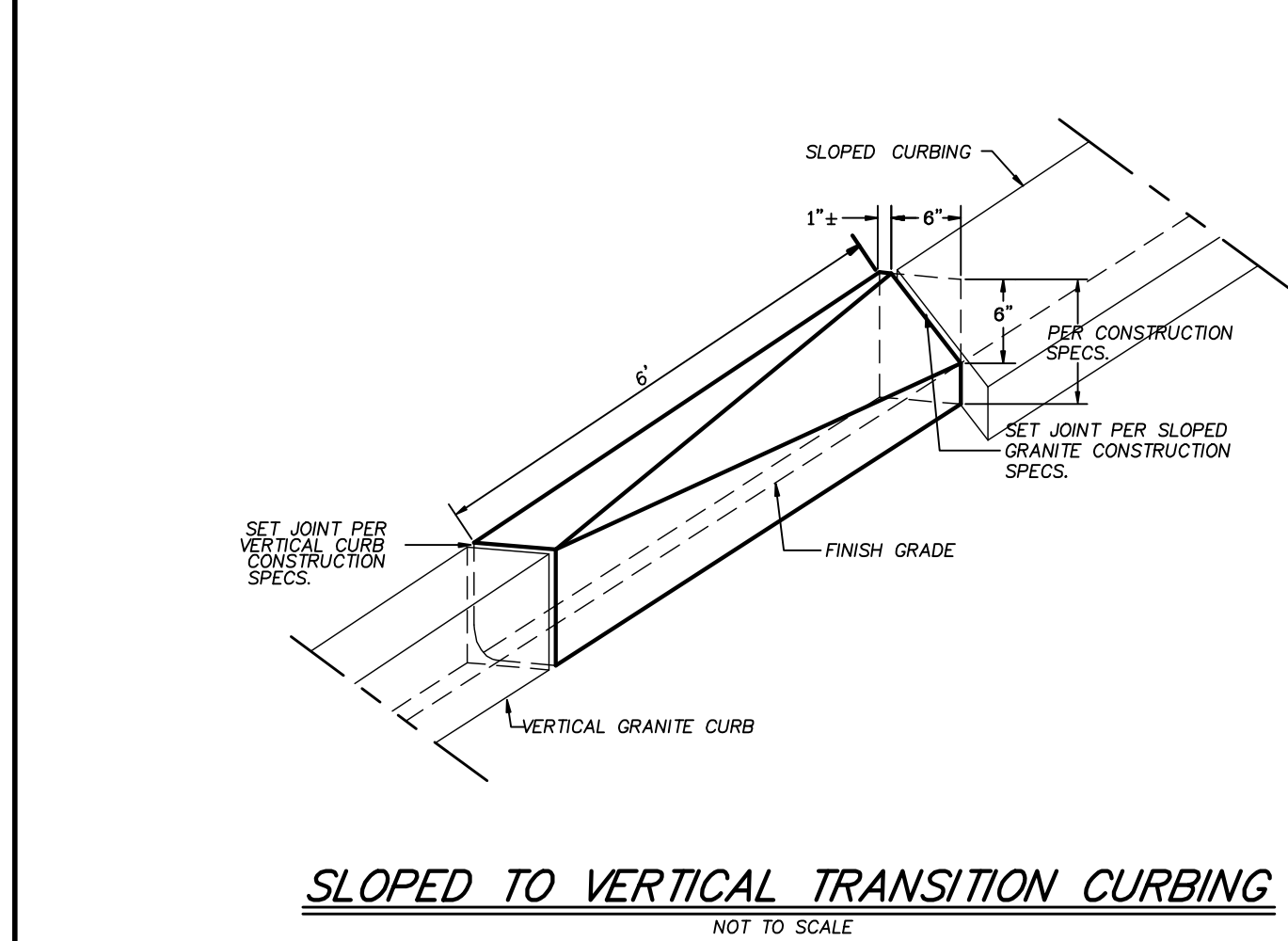
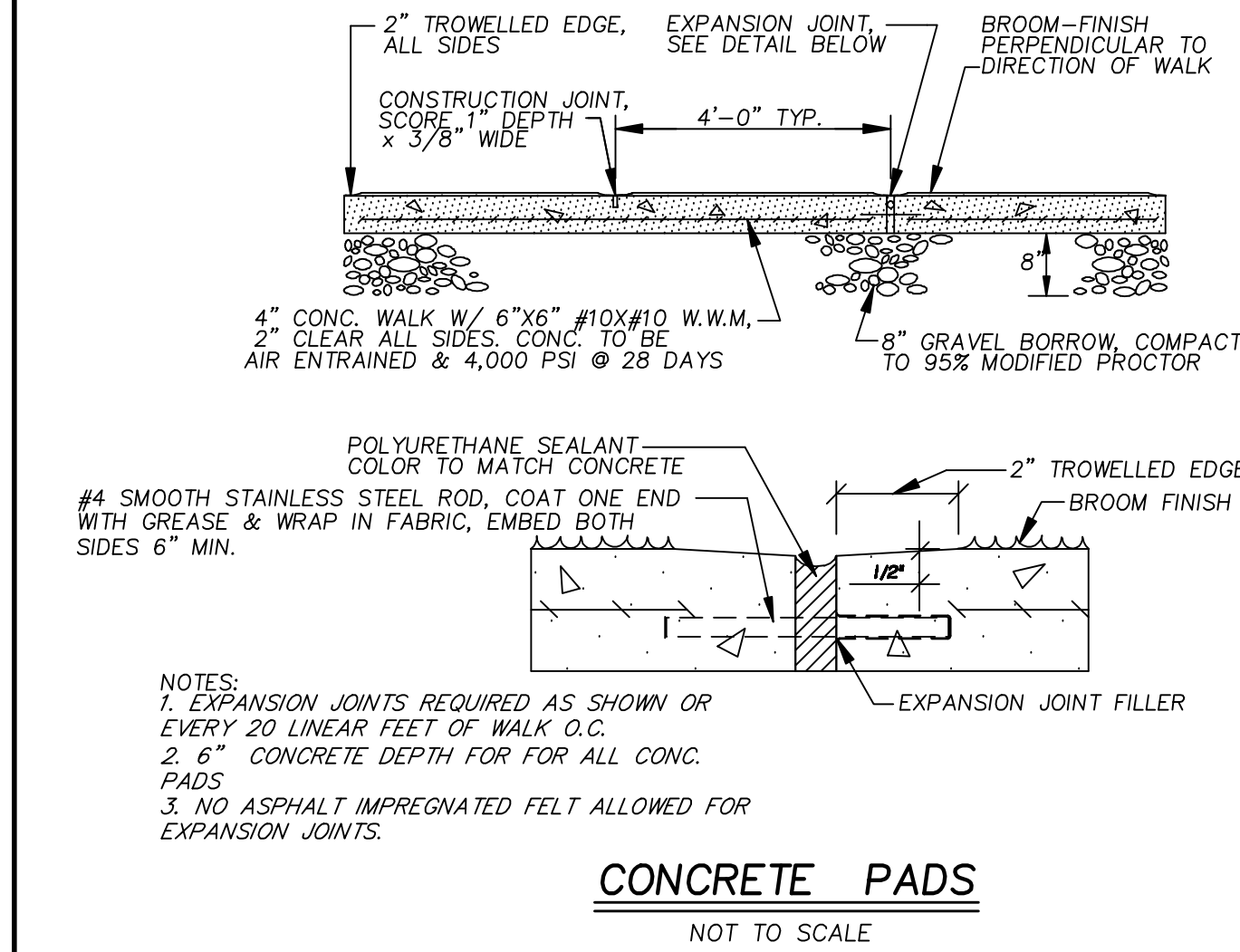
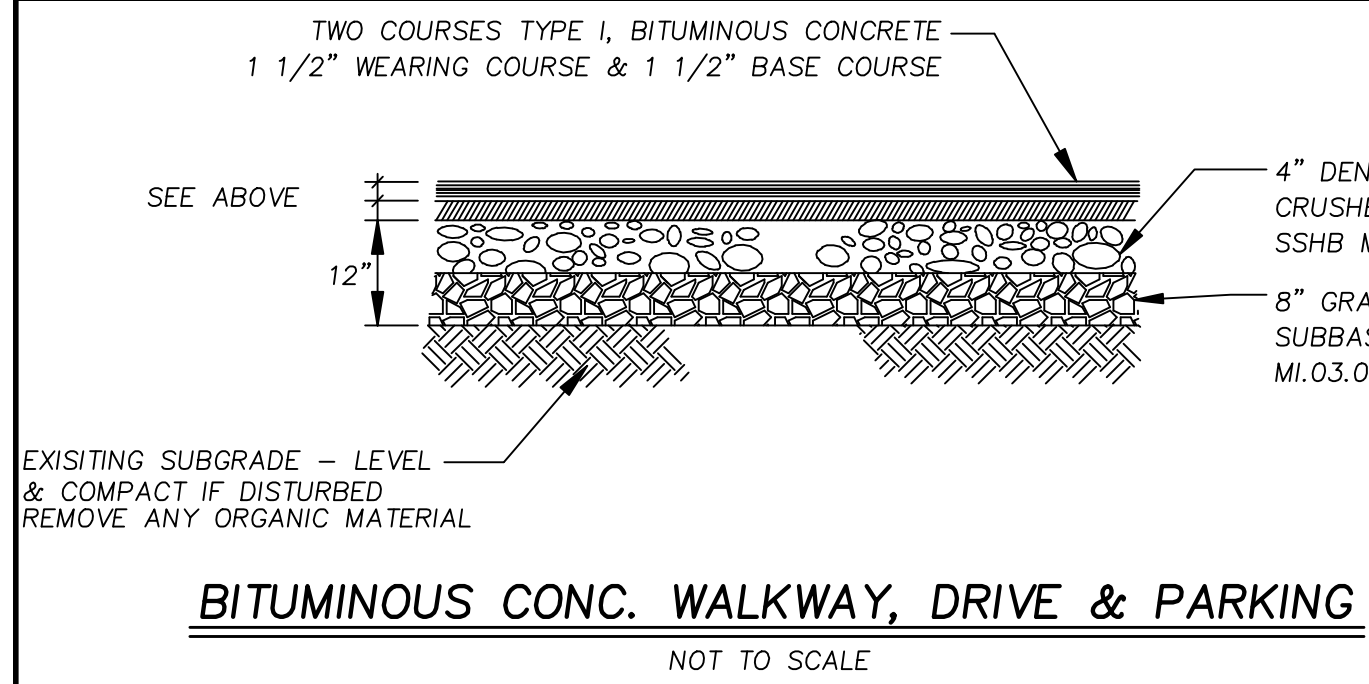
PROJECT No.: 11-6303 PLAN No. 6303-CP-8











**NOTES**

THE SEPARATION OF WATER MAINS AND SEWERS SHALL COMPLY WITH THE FOLLOWING GENERAL REQUIREMENTS.

A. PARALLEL INSTALLATION:

1. NORMAL CONDITIONS: THE INSIDE EDGE OF A WATER MAIN SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM THE INSIDE EDGE OF ANY SANITARY SEWER, STORM SEWER OR SEWER MANHOLE.
2. WHEN LOCAL CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, ONE OF TWO METHODS MAY BE EMPLOYED. IN BOTH CASES THE INVERT OF THE WATER LINE MUST BE AT LEAST 18" ABOVE THE CROWN OF THE SEWER LINE.

(a) LAY WATER AND SEWER IN SEPARATE TRENCHES

(b) LAY THE WATER AND SEWER IN THE SAME TRENCH WITH THE WATER MAIN AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH WITH A MINIMUM HORIZONTAL SEPARATION FROM INSIDE PIPE TO INSIDE PIPE OF 36"

B. CROSSINGS:

1. WHEN SEWERS MUST CROSS UNDER WATER MAINS, THE SEWER LAID SUCH THAT THE INVERT OF THE WATER LINE IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER LINE.
2. WHEN THE SEWER ELEVATION CANNOT BE VARIED TO MEET THE REQUIREMENT, THE WATER LINE MUST BE RELOCATED OR RECONSTRUCTED WITH MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10 FT ON EACH SIDE OF THE SEWER.
3. WHEN IT IS IMPOSSIBLE TO OBTAIN EITHER OR BOTH OF THE ABOVE REQUIREMENTS, BOTH THE WATER AND SEWER LINES SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE OR OTHER EQUIVALENT MATERIAL. BOTH PIPES SHALL BE PRESSURE TESTED BY AN APPROVED METHOD TO ASSURE WATER TIGHTNESS OR BOTH PIPES SHALL BE ENCASED IN CONCRETE.

AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS IN SQUARE FEET BASED ON 250 P.S.I. & 1.5 TONS/S.F. ALLOWABLE SOIL BEARING CAPACITY					
PIPE SIZE (M.)	1/4 BEND	1/8 BEND	1/16 BEND	PLUG & TEES	
4,6,8	6.0	2.9	2.3	4.5	
10	9.6	5.2	2.3	6.7	
12	13.3	6.7	3.7	9.6	
16	24.0	11.8	3.7	17.0	

BEARING AREA - SQ. FT.					
NORMAL FITTING DIAMETER	FITTING				
	90° BEND	45° BEND	BETWEEN 10°-45°	BRANCH OF TEE	DEAD END
6"	4	2	2	4	4
8"	7	4	3	5	5

1. ALL BENDS, TEES, WYES, HYDRANTS AND DEAD ENDS SHALL BE BRACED WITH CONCRETE THRUST BLOCKS.

2. BEARING AREA (H X L) IS AREA OF CONE IN CONTACT WITH WALL OF TRENCH.

3. HEIGHT (H) & LENGTH (L) AS REQUIRED TO OBTAIN BEARING AREA IN TABLE.

4. BOULDERS ARE NOT TO BE USED AS THRUST BLOCKS.

**GENERAL REVISION NOTE:**

PREVIOUS PLAN DATES:

MAY 2011-ORIGINAL SUBMITTAL

FEB 16, 2012-GENERAL REVISION

JULY 9, 2012-COMPREHENSIVE PERMIT SUBMISSION

NOV 1, 2012-PAVEMENT REDUCTION, GENERAL REVISION

DEC 4, 2012-MINOR REVISIONS

**VILLAGE GREEN APARTMENTS CONSTRUCTION DETAILS**

LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS

PREPARED FOR:

**FIFTEEN GREAT ROAD II LLC**

SCALE: AS NOTED DATE: JULY 9, 2012

**Places Associates, Inc.**

Planning, Landscape Architecture, Civil Engineering, Surveying

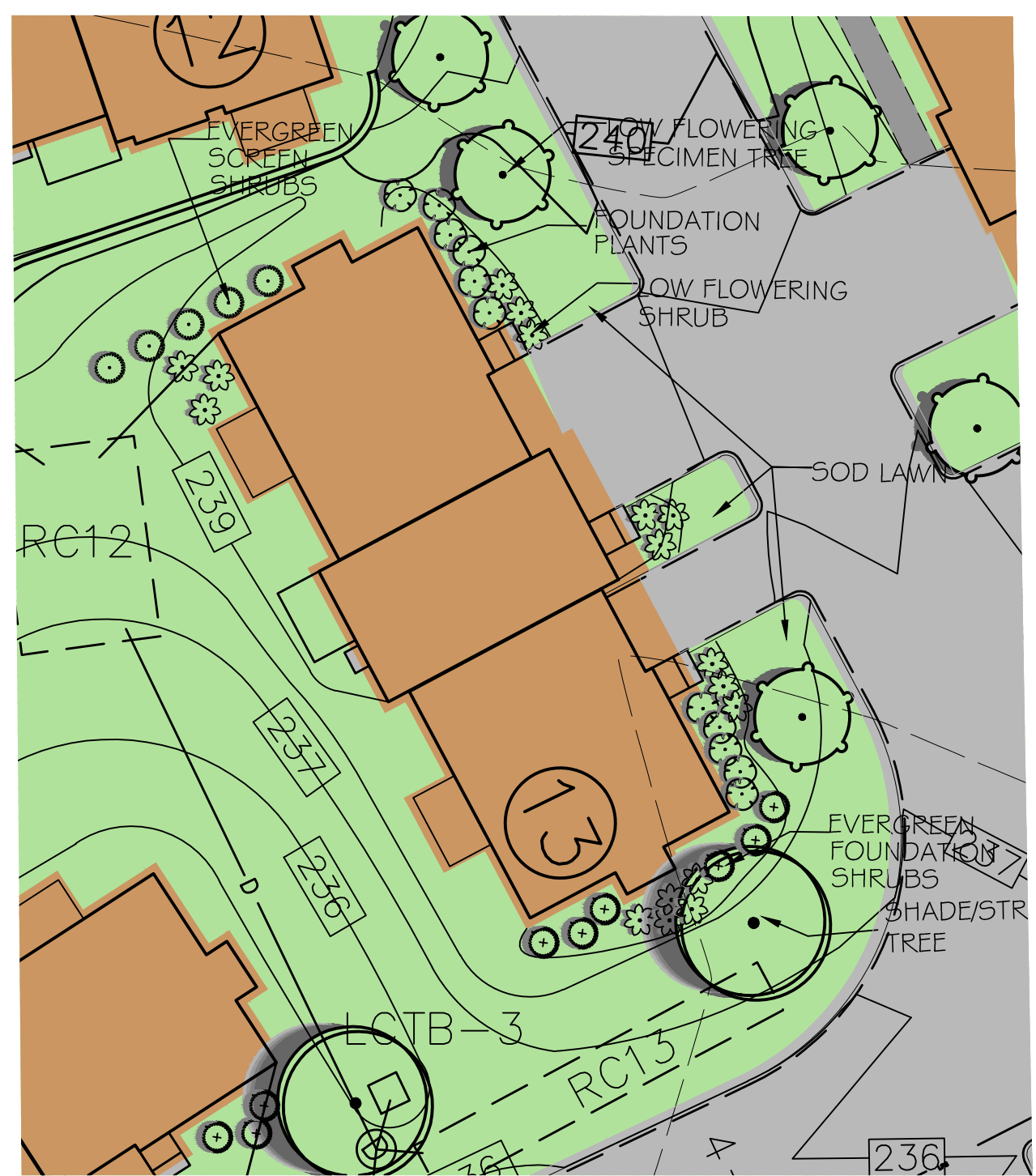
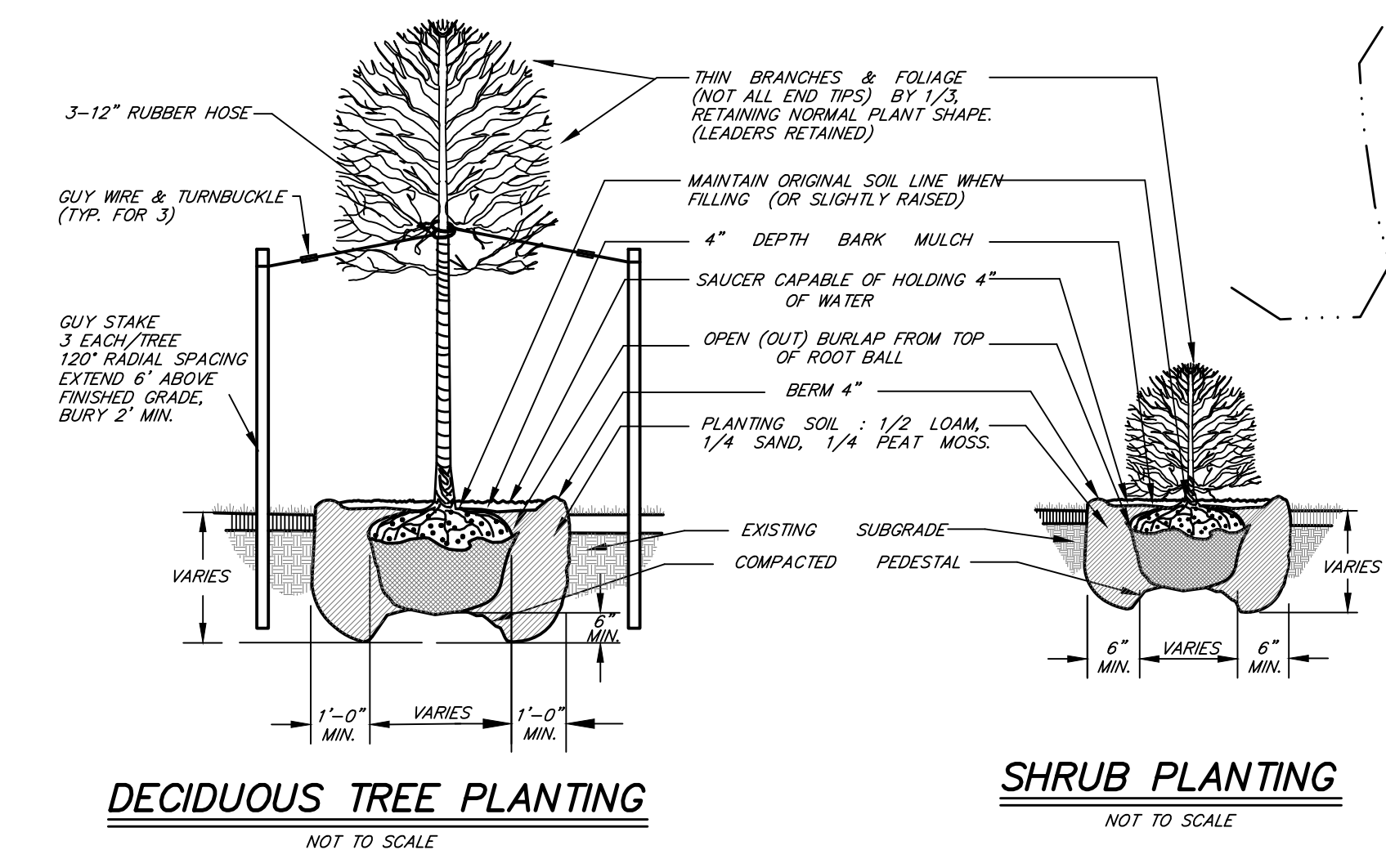
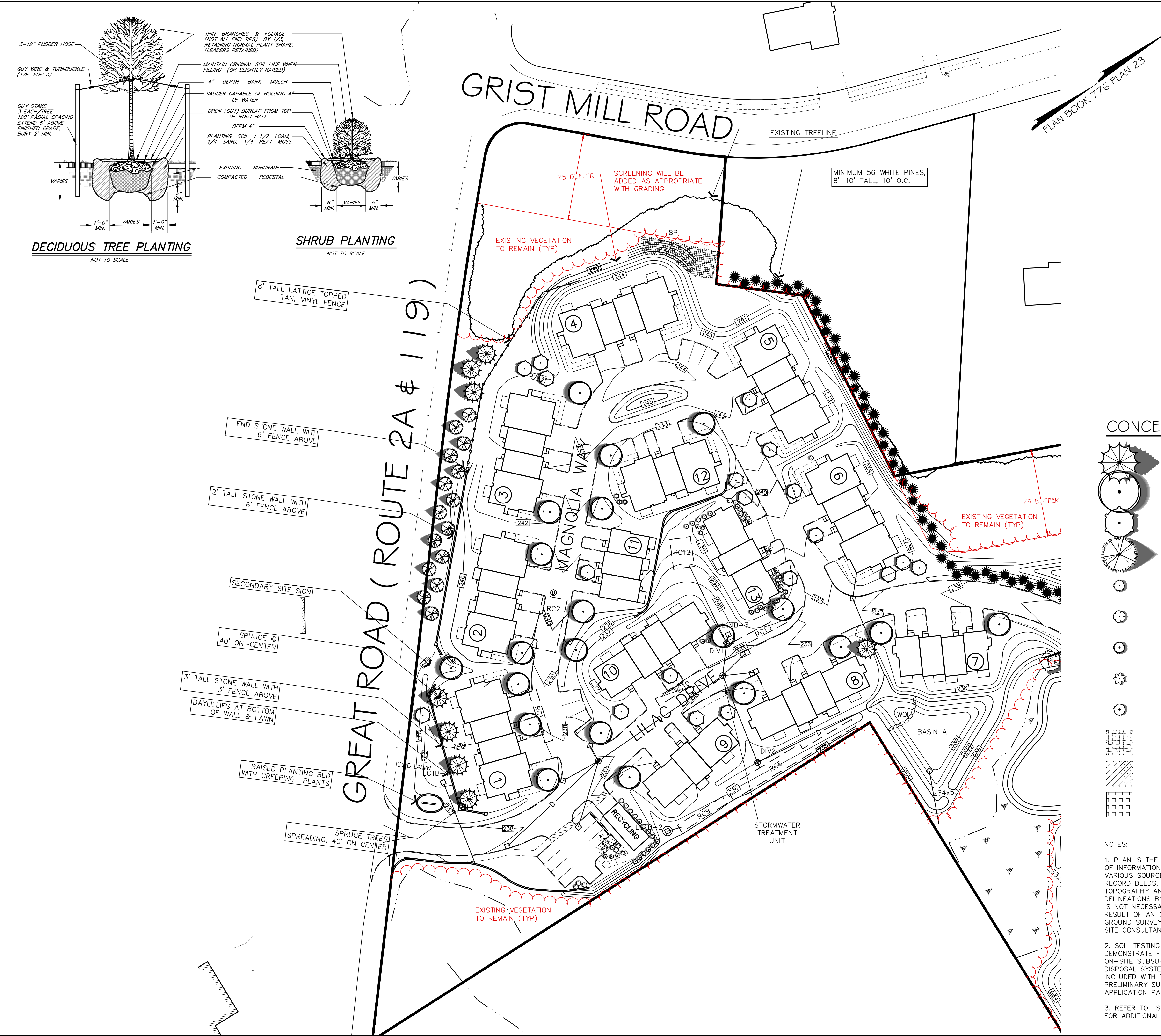
510 KING STREET, SUITE 9  
LITTLETON, MA 01460  
978.486.0334 Ph.  
978.486.0447 Fax  
places@placesassociates.com

PROJECT No.: 11-6303 PLAN No. 6306-CP-10









TYPICAL FOUNDATION PLANTING

DETAIL: 1" = 20'

CONCEPT PLANT SCHEDULE

	PINE <i>Picea abies</i> / Norway Spruce
	SHADE SPECIMEN
	FLOWERING SPECIMEN
	WHITE PINE <i>Pinus strobus</i> / White Pine
	EVERGREEN SCREEN
	FOUNDATION/SPECIMEN
	EVERGREEN SPECIMEN
	SMALL FLOWERING
	NATURALIZED SHRUB
	MASSSED SHRUB
	NATURALIZED
	PERENNIAL

NOTES:

1. THIS PLAN DEPICTS GENERAL SITE LANDSCAPING. TREES AND FOUNDATION PLANTINGS ARE DIAGRAMMATICAL. THE LANDSCAPE DESIGN WILL INCORPORATE INDIGENOUS AND OTHER ADAPTIVE PLANT SPECIES WHICH REQUIRE LOW MAINTENANCE AND WATER. PLANT SPECIES WILL BE A COMBINATION OF EVERGREENS AND DECIDUOUS PLANTS TO PROVIDE YEAR-ROUND COLOR AND TEXTURE VARIATIONS.
2. SCREENING PLANTS ARE INTENDED TO BE EVERGREENS, PRINCIPALLY EASTERN WHITE PINE, NORWAY MAPLES AND SIMILAR PLANTS. EVERGREENS ARE TO BE A MINIMUM OF 8'-10' HEIGHT WHEN PLANTED.
3. THE SITE WILL HAVE A WELL WATER SUPPLIED IRRIGATION SYSTEM FOR LAWN AND FOUNDATION PLANTINGS.
4. FRONT LAWN AREAS WILL BE SODDED, OTHER AREAS WILL BE SEEDED. ALL AREAS WHICH ARE DISTURBED WILL EITHER BE PLANTED OR HAVE A DURABLE LANDSCAPE TREATMENT. SLOPES 3:1 (HORIZ: VERT) WILL HAVE SLOPE STABILIZATION FABRIC WHICH WILL ALLOW PLANTS TO GROW THROUGH, WHILE MAINTAINING SOILS IN PLACE.
5. AREAS NOTED FOR NATURALIZED LANDSCAPE ARE INTENDED TO BE NON-MAINTAINED, STABILIZED SLOPES OR OPEN AREAS.
6. DRAINAGE BASINS WILL BE PLANTED WITH A WETLANDS SEED MIXTURE.
7. ALL PLANTS ARE TO MEET THE MOST CURRENT STANDARDS OF THE AMERICAN NURSERYMEN'S ASSOCIATION STANDARDS FOR PLANT MATERIAL AND SHALL BE WARRANTED BY THE SUPPLIER FOR ONE YEAR AFTER INSTALLATION.
8. REFER TO THE SITE PLANS FOR UTILITIES AND OTHER CONSTRUCTION INFORMATION.

GENERAL REVISION NOTE:

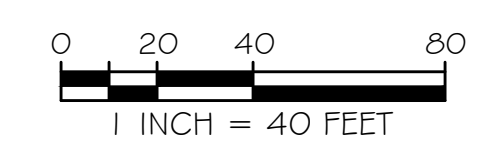
PREVIOUS PLAN DATES:  
MAY 2011-ORIGINAL SUBMITTAL  
FEB 16, 2012-GENERAL REVISION  
JULY 9, 2012-COMPREHENSIVE PERMIT SUBMISSION  
NOV 1, 2012-PAVEMENT REDUCTION, GENERAL REVISION  
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2. SOIL TESTING TO DEMONSTRATE FEASIBILITY OF ON-SITE SUBSURFACE SEWAGE DISPOSAL SYSTEMS IS INCLUDED WITH THE PRELIMINARY SUBDIVISION APPLICATION PACKAGE.

3. REFER TO SHEET CP-2 FOR ADDITIONAL NOTES.



VILLAGE GREEN APARTMENTS  
LANDSCAPE PLAN 1 OF 2

LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS

PREPARED FOR:  
FIFTEEN GREAT  
ROAD II LLC

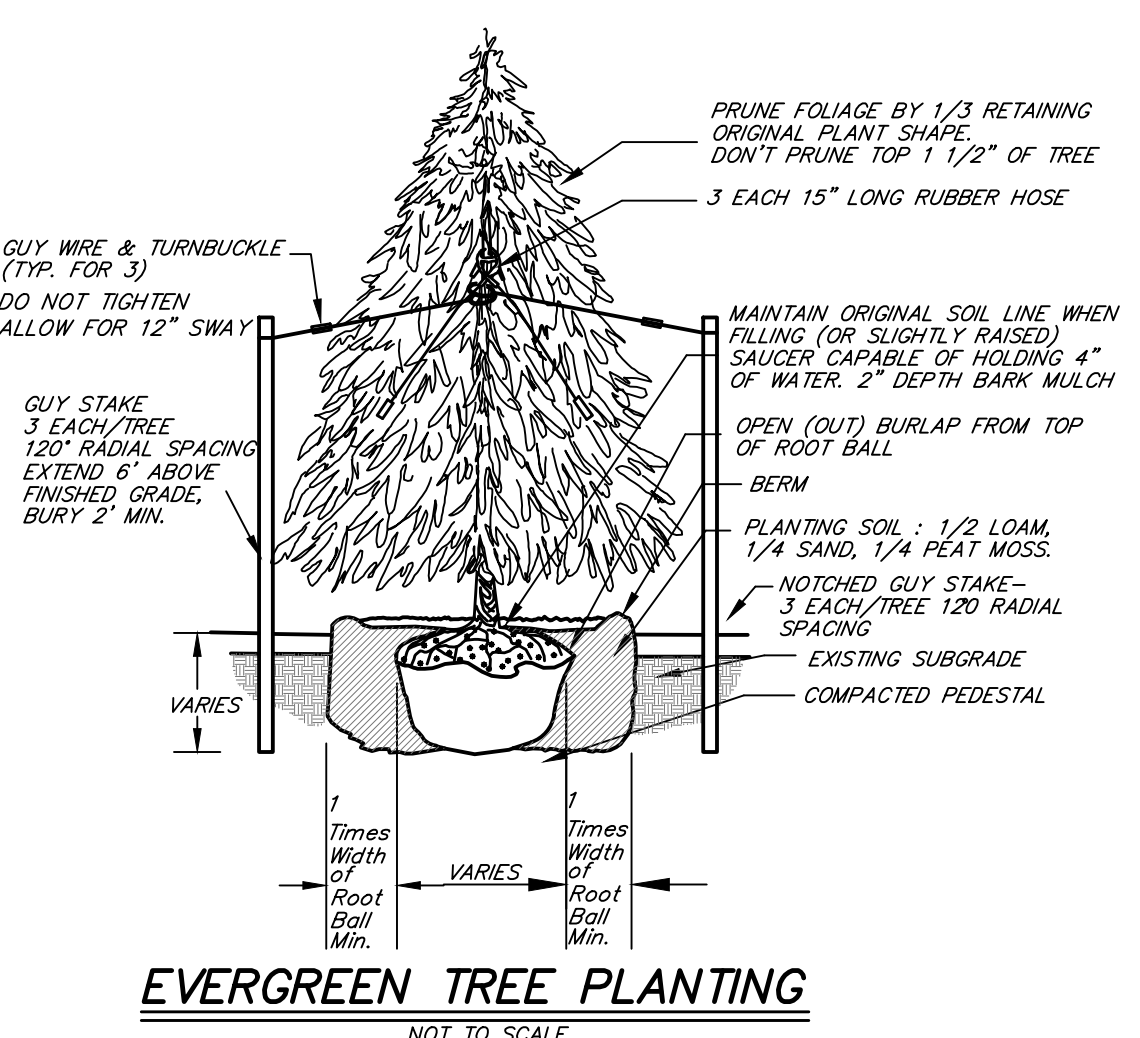
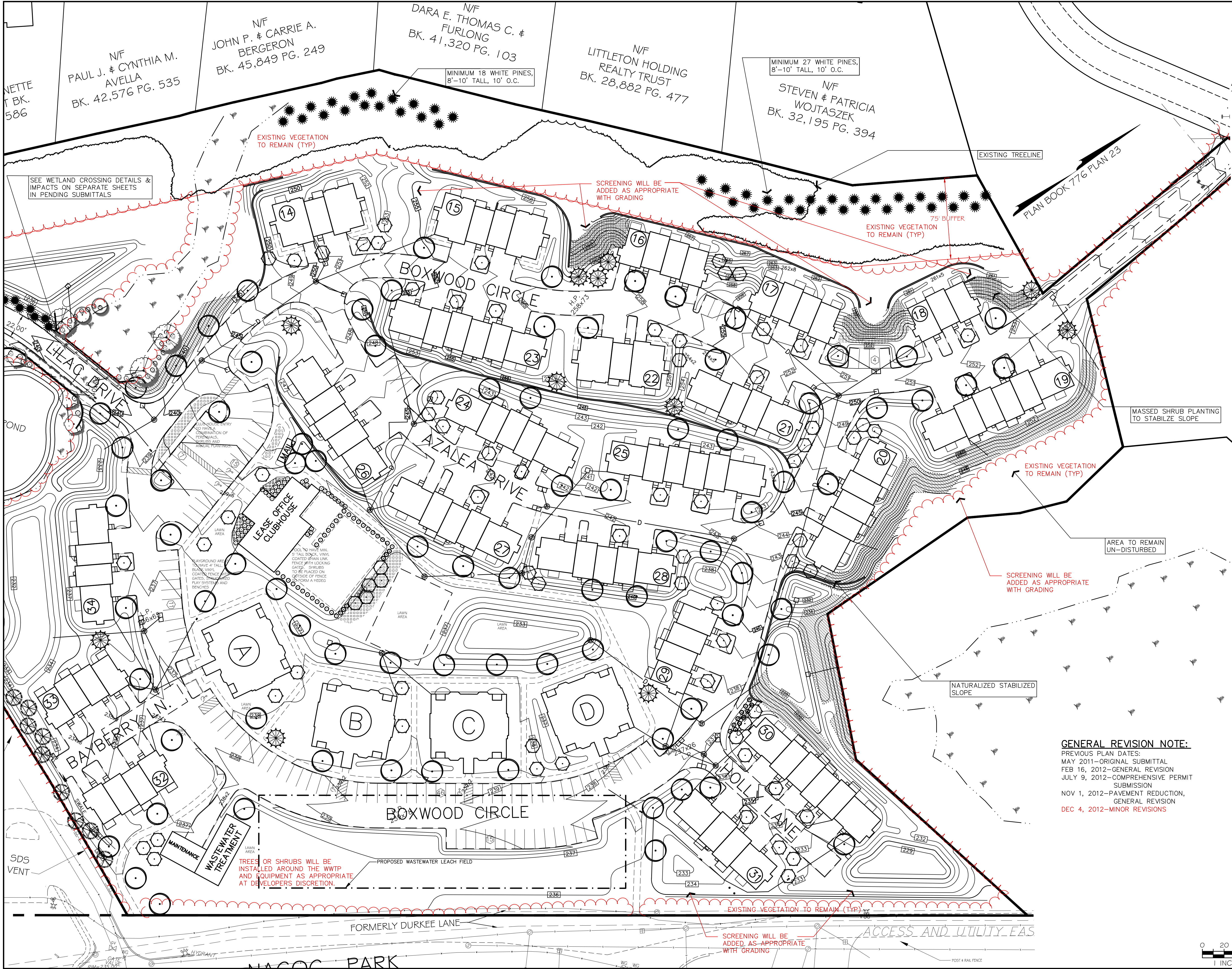
SCALE: 1"=40' DATE: NOV. 1, 2012

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places@placesassociates.com

PROJECT No.: 11-6303 PLAN No. 6303-L-1





CONCEPT PLANT SCHEDULE

- PINE  
Picea abies / Norway Spruce
- SHADE SPECIMEN
- FLOWERING SPECIMEN
- WHITE PINE  
Pinus strobus / White Pine
- EVERGREEN SCREEN
- FOUNDATIONSPECIMEN
- EVERGREEN SPECIMEN
- SMALL FLOWERING
- NATURALIZED SHRUB
- MASSSED SHRUB
- NATURALIZED
- PERENNIAL

PERMIT SET  
NOT FOR CONSTRUCTION

VILLAGE GREEN APARTMENTS  
LANDSCAPE PLAN 2 OF 2

LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS  
PREPARED FOR:

FIFTEEN GREAT  
ROAD II LLC

SCALE: 1"=40' DATE: NOV. 1, 2012

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PROJECT No.: 11-6303 PLAN No. 6303-L-2



Littleton Planning Board      Acton Planning Board

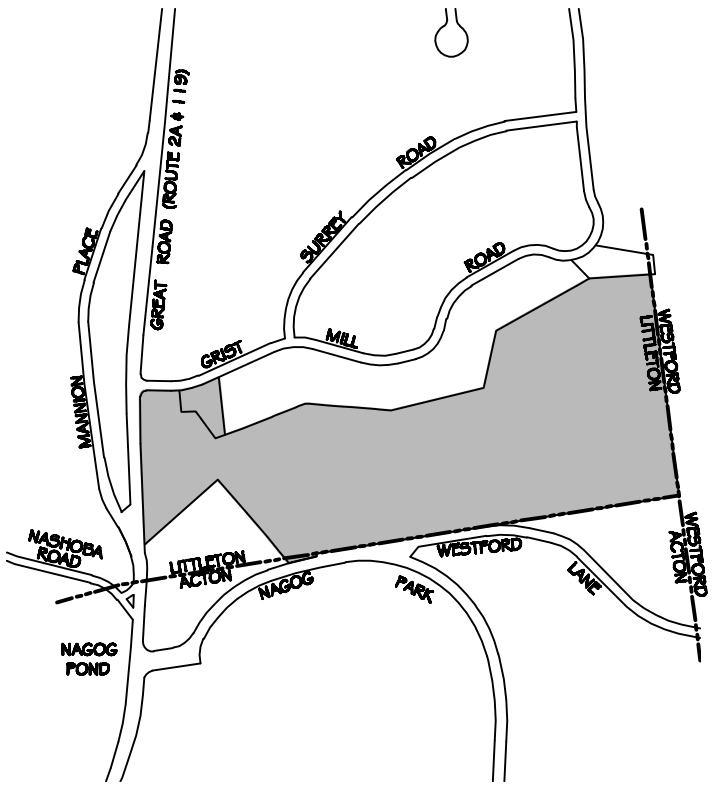
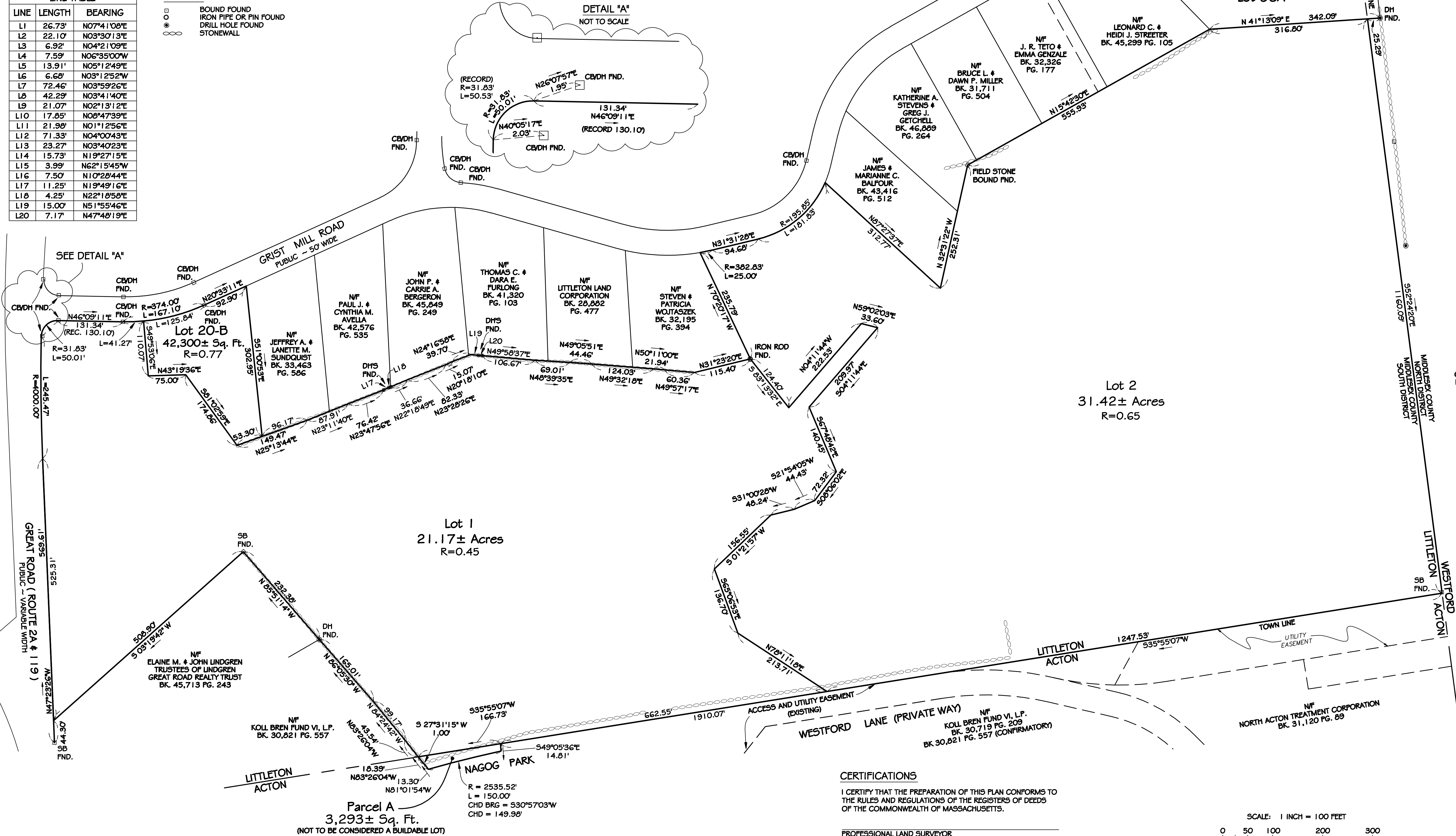
APPROVAL UNDER THE SUBDIVISION CONTROL LAW NOT REQUIRED	APPROVAL UNDER THE SUBDIVISION CONTROL LAW NOT REQUIRED
DATE OF APPROVAL:	DATE OF APPROVAL:
DATE OF ENDORSEMENT:	DATE OF ENDORSEMENT:

FOR REGISTRY USE ONLY

NO DETERMINATION AS TO THE COMPLIANCE WITH ZONING  
OR LAND USE REGULATIONS IS HEREBY MADE OR INTENDED.

LINE TABLE		
LINE	LENGTH	BEARING
L1	26.73'	N07°41'08"E
L2	22.10'	N03°30'13"E
L3	6.92'	N04°21'09"E
L4	7.59'	N06°35'00"W
L5	13.91'	N05°12'49"E
L6	6.66'	N03°12'52"W
L7	72.46'	N03°59'26"E
L8	42.29'	N03°41'40"E
L9	21.07'	N02°13'12"E
L10	17.85'	N08°47'39"E
L11	21.98'	N01°12'56"E
L12	71.33'	N04°00'43"E
L13	23.27'	N03°40'23"E
L14	15.73'	N19°27'15"E
L15	3.99'	N62°15'45"W
L16	7.50'	N10°28'44"E
L17	11.25'	N19°49'16"E
L18	4.25'	N22°18'58"E
L19	15.00'	N51°55'46"E
L20	7.17'	N47°48'19"E

LEGEND:  
○ BOUND FOUND  
□ IRON PIPE OR PIN FOUND  
● DRILL HOLE FOUND  
--- STONEWALL



LOCUS MAP  
SCALE: 1"=1000'

OWNERS:  
NASHOBA REALTY TRUST  
BOOK 58154, PAGE 123  
JFM REALTY TRUST  
BOOK 44725, PAGE 484  
LITTLETON HOLDING REALTY TRUST  
BOOK 54533, PAGE 583  
LITTLETON ASSESSOR'S DATA:  
MAP: U01  
PARCELS: 2-0,6-0,1-27,1-28,1-56,32-17,  
32-18, 32-19,32-20  
ZONING:  
R-RESIDENTIAL

PLAN OF LAND  
LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS  
PREPARED FOR:

FIFTEEN GREAT  
ROAD LLC

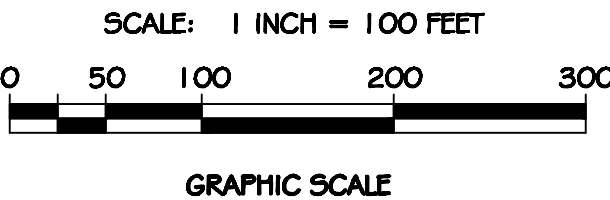
SCALE: 1"=100' DATE: DECEMBER, 2, 2012

Places Associates, Inc.

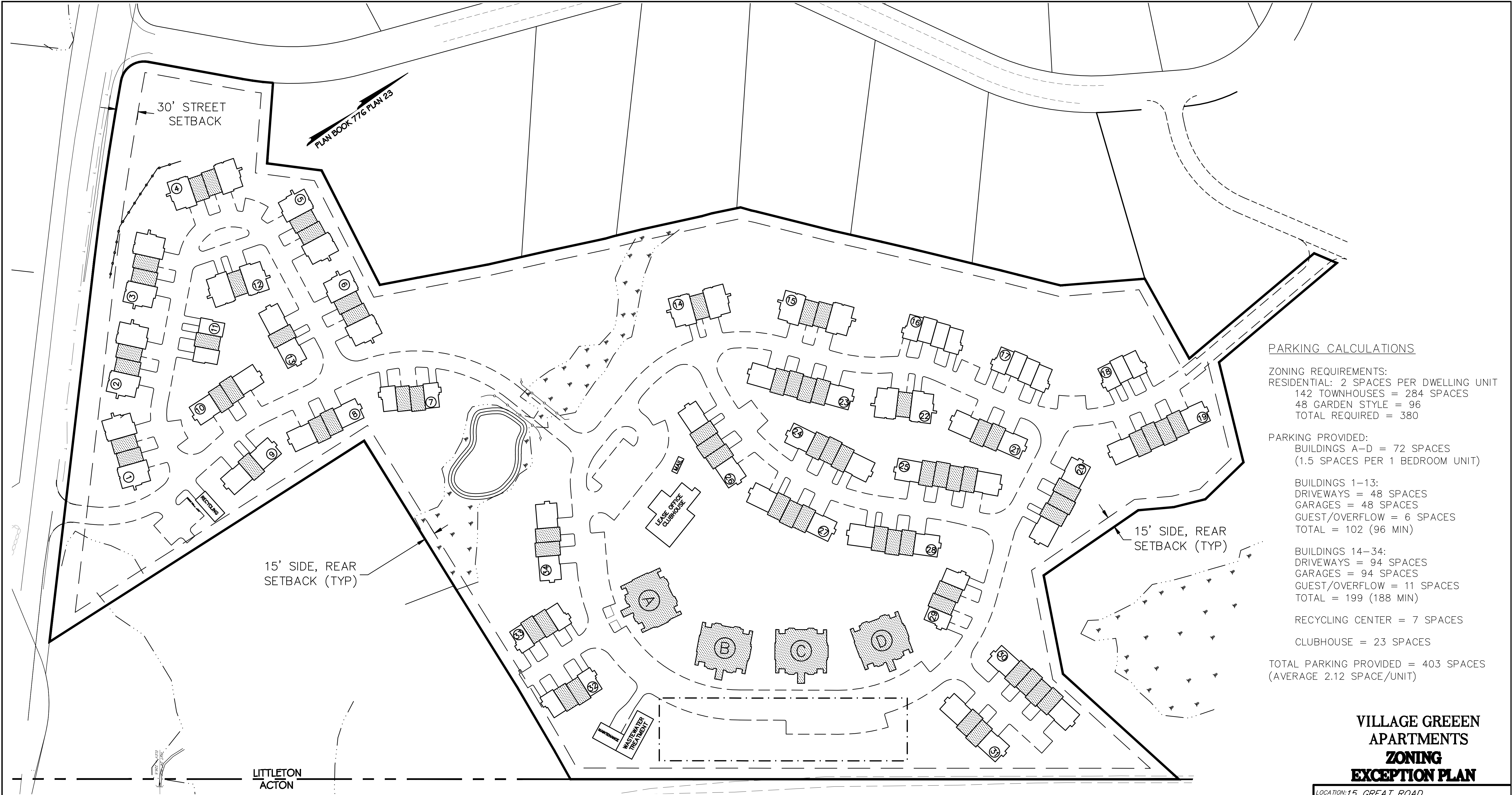
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978.486.0334 Ph.  
978.486.0447 Fax  
EMAIL: places@verizon.net

PROJECT No.: 11-6303 PLAN No. 6303-ANR-1

CERTIFICATIONS  
I CERTIFY THAT THE PREPARATION OF THIS PLAN CONFORMS TO  
THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS  
OF THE COMMONWEALTH OF MASSACHUSETTS.  
PROFESSIONAL LAND SURVEYOR  
DATE:







**PARKING CALCULATIONS**

ZONING REQUIREMENTS:  
RESIDENTIAL: 2 SPACES PER DWELLING UNIT  
142 TOWNHOUSES = 284 SPACES  
48 GARDEN STYLE = 96  
TOTAL REQUIRED = 380

PARKING PROVIDED:  
BUILDINGS A-D = 72 SPACES  
(1.5 SPACES PER 1 BEDROOM UNIT)

BUILDINGS 1-13:  
DRIVEWAYS = 48 SPACES  
GARAGES = 48 SPACES  
GUEST/OVERFLOW = 6 SPACES  
TOTAL = 102 (96 MIN)

BUILDINGS 14-34:  
DRIVEWAYS = 94 SPACES  
GARAGES = 94 SPACES  
GUEST/OVERFLOW = 11 SPACES  
TOTAL = 199 (188 MIN)

RECYCLING CENTER = 7 SPACES

CLUBHOUSE = 23 SPACES

TOTAL PARKING PROVIDED = 403 SPACES  
(AVERAGE 2.12 SPACE/UNIT)

**VILLAGE GREEN  
APARTMENTS  
ZONING  
EXCEPTION PLAN**

LOCATION: 15 GREAT ROAD  
TOWN: LITTLETON, MASSACHUSETTS  
PREPARED FOR:

**FIFTEEN GREAT  
ROAD II LLC**

SCALE: 1"=100' DATE: JULY 9, 2012

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places@placesassociates.com

PROJECT No.: 11-6303 PLAN No. 6303-ZEP

BUILDING STYLE	BUILDING NO.	SIZE	1 BED	2 BED	3 BED
TH3A3	12,14,22	5456	0	1	2
TH3B3	9, 13	5520	0	1	2
TH4A3	1,2,3,4,5,6,15	7284	0	2	2
TH4B3	8,10,21,31,34	7348	0	2	2
TH5B3	20,24,26,27,28	9174	0	3	2
TH6B3	19,23,25,30	11,000	0	3	3
TH3C2	11	5612	0	3	0
TH3C2DU	18	5612	0	3	0
TH4C3	7,29,32,33	7440	0	2	2
TH4C2DU	16, 17	7440	0	4	0
GARDEN	A,B,C,D	15,065	12	0	0

**LAND USE SUMMARY**

TOTAL LOT AREA = 21.17 Ac.  
TOTAL ROOF AREAS(\*) = 3.68 Ac.  
TOTAL ROADWAY/PARKING AREAS = 3.92 Ac.  
TOTAL WETLANDS = 0.94 Ac.  
OPEN AREAS = 12.63 Ac.

\* INCLUDES OVERHANGS AND COVERED PATIOS

**GENERAL REVISION NOTE:**  
DEC. 4, 2012-MINOR REVISIONS, PAVEMENT  
WIDTH CHANGE FROM 24' TO 22'.

**NOTES:**

HATCHED/SHADED BUILDINGS REQUIRE  
HEIGHT EXCEPTION. (35 TOTAL)

