

TEMPORARY TRAFFIC CONTROL NOTES

- ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL MEET OR EXCEED VTRANS STANDARD DETAILS E-100, E-100A, E-101, E-102, E-106, E-110, E-121. WHERE E - STANDARDS CONFLICT WITH THE MUTCD, THE MUTCD SHALL GOVERN.
- FOR ANY WORK WITHIN THE HIGHWAY RIGHT-OF-WAY A MINIMUM OF TWO-WAY THRU TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. CONTINUOUS TWO-WAY TRAFFIC SHALL BE MAINTAINED AT NIGHT, ON WEEKENDS AND HOLIDAYS, DURING PEAK TRAFFIC AND WHENEVER POSSIBLE. DURING CONSTRUCTION, A UNIFORMED TRAFFIC CONTROL OFFICER SHALL DIRECT TRAFFIC AT THE INTERSECTION WHENEVER CONTINUOUS TWO-WAY TRAFFIC IS NOT POSSIBLE OR WHEN DEEMED NECESSARY BY THE TOWN OR VTRANS. UTO'S MUST WEAR REQUIRED AND APPROVED REFLECTIVE GARMENTS.
- SHORT DURATION TEMPORARY TRAFFIC CONTROL SIGNING AND CHANNELIZING DEVICES SHALL BE IN ACCORDANCE WITH THE APPROPRIATE MUTCD STANDARDS (PART 6). VARIATIONS IN THE SIGNING PACKAGES MAY BE DICTATED BY UNIQUE GEOMETRY, SPECIFIC CONSTRUCTION ACTIVITIES, AND/OR TRAFFIC CONDITIONS.
- APPROACH CONSTRUCTION SIGNING SHALL REMAIN IN PLACE DURING THE ENTIRE CONSTRUCTION PERIOD. OTHER SIGNING SHALL BE REMOVED OR COVERED WHEN NOT APPLICABLE.
- THE CONTRACTOR SHALL NOT WORK WITHIN THE HIGHWAY ROW WITHOUT THE APPROPRIATE CONSTRUCTION SIGNING AND TEMPORARY TRAFFIC CONTROL DEVICES IN PLACE.
- TO FACILITATE THE FLOW OF TRAFFIC, THE TOWN WITH THE APPROVAL OF THE DISTRICT TRANSPORTATION ADMINISTRATOR, SHALL HAVE AUTHORITY TO MODIFY THE CONTRACTOR'S ONGOING OPERATIONS OR PROPOSED METHODS OF CONSTRUCTION IN AND/OR NEAR THE INTERSECTION AS DEEMED NECESSARY FOR THE SAFETY, CONVENIENCE AND WELFARE OF THE TRAVELING PUBLIC. THE CONTRACTOR SHALL COMPLY WITH TOWN & VTRANS DIRECTIVES CONCERNING THIS MATTER.
- THE MIXING OF TEMPORARY TRAFFIC CONTROL DEVICES (DRUMS, CONES, ETC.) ALONG A TANGENT HIGHWAY IS NOT ALLOWED. DRUMS SHOULD BE USED TO CHANNELIZE OR DELINEATE ROAD USER'S FLOW WHILE REFLECTORIZED CONES ARE BETTER SUITED TO DELINEATE DRIVES WITHIN THE WORK ZONE.
- REASONABLE ACCESS TO BUSINESSES AND RESIDENCES WITHIN THE PROJECT AREA SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
- PRIOR TO THE PRE-CONSTRUCTION MEETING WITH THE DISTRICT, THE CONTRACTOR SHALL SUBMIT DETAILED TRAFFIC CONTROL PLANS TO VTRANS FOR EACH PHASE OF THE PROPOSED ROAD AND SIGNAL WORK.

TEMPORARY CONSTRUCTION SIGNS

- ALL SIGN STANDS AND POST INSTALLATION SHALL BE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM 350 (NCHRP) COMPLIANT.
- AS A MINIMUM, ROLL-UP SIGN MATERIAL SHALL HAVE ASTM D 4956-01 TYPE VI FLUORESCENT ORANGE RETRO-REFLECTIVE SHEETING.
- ALL POST MOUNTED SIGNS SHALL HAVE ASTM D 4956-01 TYPE VII, TYPE VIII OR TYPE IX FLUORESCENT ORANGE RETRO-REFLECTIVE SHEETING.
- ALL TRAFFIC CONES, BARRICADES AND BARRELS SHALL BE MINIMUM ASTM TYPE III RETRO-REFLECTIVE SHEETING.
- ALL STATIONARY SIGNS SHALL BE MOUNTED ON TWO 3 LBS/FT FLANGED CHANNEL POSTS. NO SIGN POSTS SHALL EXTEND OVER THE TOP EDGE OF THE SIGN INSTALLED ON SAID POSTS.
- PRIOR TO PLACING TEMPORARY WORK ZONE SIGNS ON THE PROJECT, THE CONTRACTOR MUST FURNISH FOR THE TOWN'S APPROVAL A DETAIL FOR TEMPORARY WORK ZONE SIGNS ON STEEL POSTS SHOWING STUBS PROJECTING A MAXIMUM OF 100 MM (4 INCHES) ABOVE GROUND LEVEL AND BOLTS FOR SIGN POST ATTACHMENT SHALL BE NCHRP 350 COMPLIANT, IF IN THE CLEAR ZONE.
- NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS.

FLAGGERS AND UNIFORM TRAFFIC OFFICERS

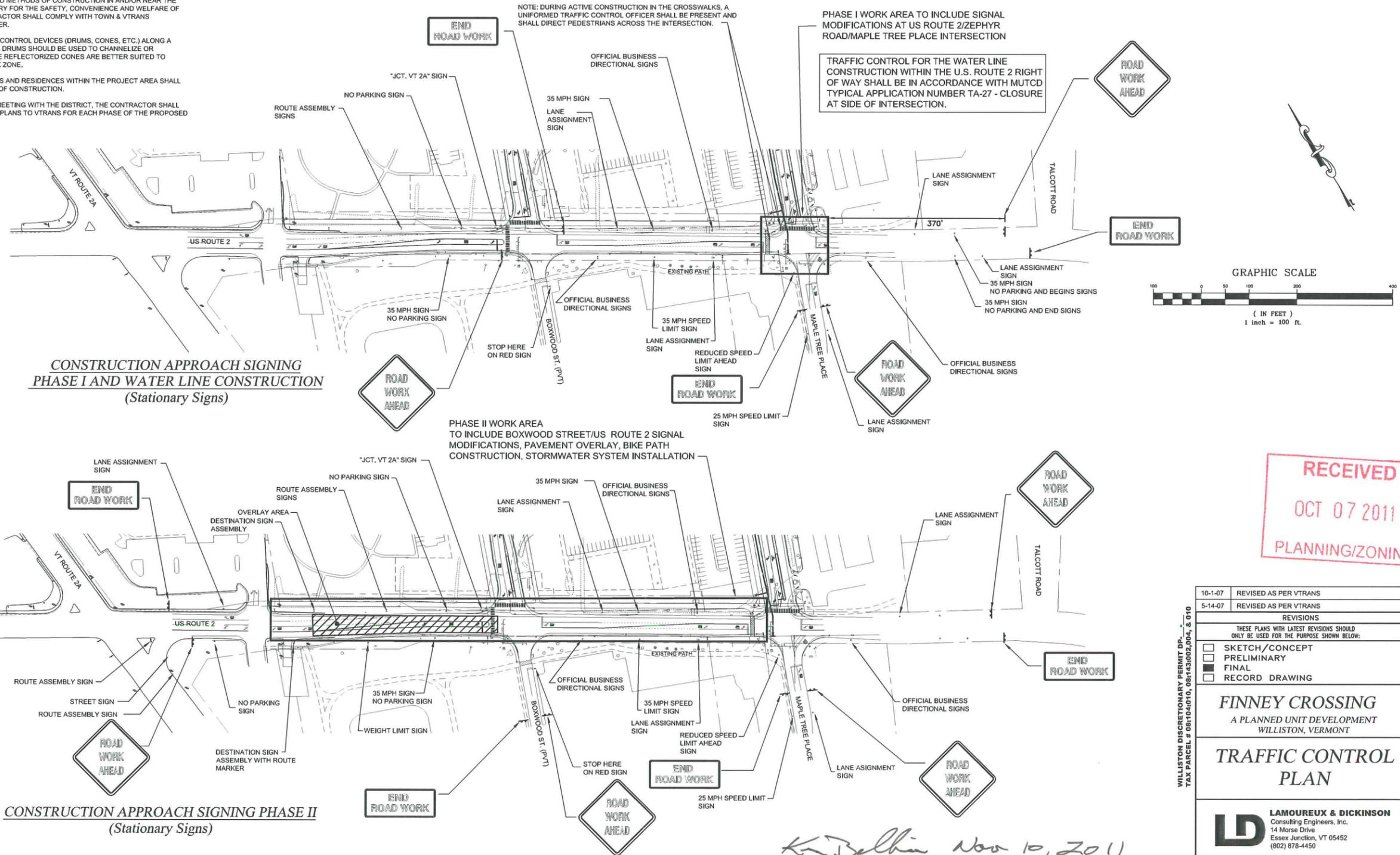
FLAGGERS SHALL BE REQUIRED TO ATTEND A 4 HOUR APPROVED TRAINING COURSE. THE CONTRACTOR SHALL PROVIDE THE TOWN WITH COPIES OF ALL DOCUMENTATION OF THE CERTIFICATION OBTAINED FOR EACH FLAGGER ON THE PROJECT.

ALL FLAGGERS OR UTO SERVING AS A TRAINED FLAGGER SHALL WEAR SAFETY APPAREL MEETING REQUIREMENTS OF ISEA "AMERICAN NATIONAL STANDARD OF HIGH-VISIBILITY APPAREL" AND LABELED AS MEETING THE ANSI 107-1999 STANDARD PERFORMANCE FOR CLASS 2 RISK EXPOSURE. INDIVIDUALS ENGAGED IN TRAFFIC CONTROL SHALL WEAR THE HIGH-VISIBILITY VEST WITH "TRAFFIC CONTROL" VISIBLE, WITHOUT EXCEPTION.

FLAGGERS SHALL BE USED TO STOP AND RELEASE TRAFFIC WITHIN THE DESIGNATED WORK ZONE OR WHERE THE ENTRANCE CONSTITUTES A HAZARD TO THE TRAVELING PUBLIC. FLAGGERS SHALL NOT BE USED TO DIRECT TRAFFIC AT INTERSECTIONS.

PLEASE NOTE THAT THE UTO, UNDER AUTHORITY GRANTED BY LAW (TITLE 23 VSA) MAY DIRECT AND CONTROL TRAFFIC. SUITABLE EXAMPLES IN WORK ZONES MIGHT INCLUDE THE DIRECTION AND CONTROLS OF TRAFFIC AT INTERSECTIONS WHERE SIGNALS ARE NOT FUNCTIONING OR ARE MALFUNCTIONING. IN THESE CASES, THE PRESENCE OF THE BLUE LIGHT MAY NOT BE SUITABLE OR NECESSARY. THE WEARING OF DEPARTMENTALLY REQUIRED AND APPROVED REFLECTIVE GARMENTS IS REQUIRED.

FLAGGERS ARE ALLOWED TO STOP AND RELEASE TRAFFIC AS INDICATED IN THE 2003 MUTCD, SECTION 6E.04 FLAGGER PROCEDURES.



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 OCT 07 2011
 PLANNING/ZONING

10-1-07	REVISED AS PER VTRANS	PLC
5-14-07	REVISED AS PER VTRANS	PLC
REVISIONS		
THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:		
<input type="checkbox"/>	SKETCH/CONCEPT	# OF SHEETS
<input type="checkbox"/>	PRELIMINARY	
<input type="checkbox"/>	FINAL	
<input type="checkbox"/>	RECORD DRAWING	
FINNEY CROSSING A PLANNED UNIT DEVELOPMENT WILLISTON, VERMONT		proj. no. 01-087 survey L&D design DJG/ABR drawn JET/BH checked DJG/ABR date 11/30/05 scale 1"=100' sht. no. 20B
TRAFFIC CONTROL PLAN		
LD LAMOUREUX & DICKINSON Consulting Engineers, Inc. 14 Morse Drive Essex Junction, VT 05452 (802) 878-4450		

K. Belbin Nov 10, 2011

FINAL PLANS

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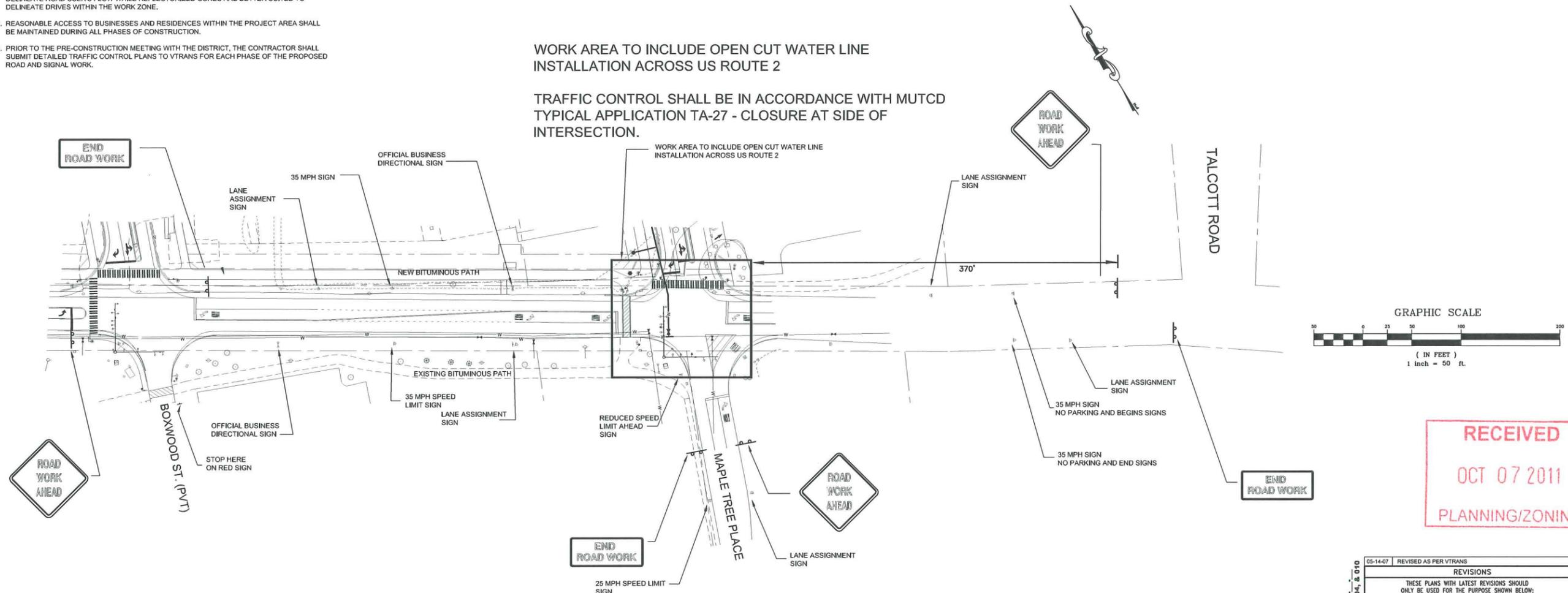
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WORK AREA TO INCLUDE OPEN CUT WATER LINE INSTALLATION ACROSS US ROUTE 2

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH MUTCD TYPICAL APPLICATION TA-27 - CLOSURE AT SIDE OF INTERSECTION.



CONSTRUCTION APPROACH SIGNING
WATER LINE
 (Stationary Signs)

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Kon Belbin Nov 10, 2011

05-14-07	REVISED AS PER VTRANS	PLC
REVISIONS		# OF SHEETS
THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:		
<input type="checkbox"/>	SKETCH/CONCEPT	
<input type="checkbox"/>	PRELIMINARY	
<input checked="" type="checkbox"/>	FINAL	
<input type="checkbox"/>	RECORD DRAWING	
FINNEY CROSSING A PLANNED UNIT DEVELOPMENT WILLISTON, VERMONT		proj. no. 01-087 survey L&D design DJG/ABR
WATER LINE TRAFFIC CONTROL PLAN		drawn JET/BH checked DJG/ABR date 11/30/05 scale 1"=100' sht. no. 20C
LANOUREUX & DICKINSON Consulting Engineers, Inc. 14 Morse Drive Essex Junction, VT 05452 (802) 878-4450		

FINAL PLANS

PLANT LIST

Key	Botanical Name	Common Name	Size	Remarks
Deciduous Trees				
AC	<i>Acer campestre</i>	Hedge Maple	2 1/2" to 3" Cal.	B&B, 6 foot branching height
AF	<i>Acer x freemanii</i>	Freeman Maple	2 1/2" to 3" Cal.	B&B, 6 foot branching height, use 'Autumn Blaze' and 'Celzart' cultivars
AM	<i>Acer x freemanii 'Armstrong'</i>	Armstrong Maple	2 1/2" to 3" Cal.	B&B, 6 foot branching height
AE	<i>Aesculus x carnea 'Britoni'</i>	Ruby Red Horsechestnut	2 1/2" to 3" Cal.	B&B, 6 foot branching height
AL	<i>Amelanchier laevis</i>	Allegheny Serviceberry	1 1/2" to 1 3/4" Cal.	B&B, 6 foot branching height
BN	<i>Betula nigra 'Heritage'</i>	Heritage River Birch	1 1/2" to 1 3/4" Cal.	B&B, 6 foot branching height
CB	<i>Carpinus betulus 'Fastigiata'</i>	Upright European Hornbeam	1 1/2" to 1 3/4" Cal.	B&B, 6 foot branching height
CC	<i>Carpinus caroliniana</i>	American Hornbeam	1 1/2" to 1 3/4" Cal.	B&B, 6 foot branching height
CE	<i>Celtis laevigata 'All Seasons'</i>	Sugar Hackberry	2 1/2" to 3" Cal.	B&B, 6 foot branching height
CA	<i>Cladonia kentuckia</i>	Yellowwood	2 1/2" to 3" Cal.	B&B, 6 foot branching height
CK	<i>Cornus alternifolia</i>	Pagoda Dogwood	1 1/2" to 1 3/4" Cal.	B&B, 6 foot branching height
CT	<i>Corylus colurna</i>	Turkish Filbert	2 1/2" to 3" Cal.	B&B, 6 foot branching height
CR	<i>Cornus crux-galli var. internis</i>	Thornless Cockspur Hawthorn	1 1/2" to 1 3/4" Cal.	B&B, 6 foot branching height
GP	<i>Ginkgo biloba 'Autumn Gold'</i>	Autumn Gold Ginkgo	2 1/2" to 3" Cal.	B&B, 6 foot branching height, male cultivar only
GB	<i>Ginkgo biloba 'Princeton Sentry'</i>	Sentry Ginkgo	2 1/2" to 3" Cal.	B&B, 6 foot branching height, male cultivar only
GT	<i>Gleditsia triacanthos</i>	Honeylocust	2 1/2" to 3" Cal.	B&B, 6 foot branching height, use 'Halka' and 'Shademaster' cultivars
GD	<i>Gymnocladia dioica 'Stately Manor'</i>	Kentucky Coffeetree	2 1/2" to 3" Cal.	B&B, 6 foot branching height
MA	<i>Molus spp.</i>	Crabapple	1 1/2" to 1 3/4" Cal.	B&B, 6 foot branching height, use 'Adirondack', 'Centurion' and 'Lisee' cultivars
NS	<i>Nyssa sylvatica</i>	Black Tupelo	2 1/2" to 3" Cal.	B&B, 6 foot branching height
OV	<i>Ostrya virginiana</i>	American Hopbloom	2 1/2" to 3" Cal.	B&B, 6 foot branching height
PS	<i>Prunus sargentii</i>	Sargent Cherry	1 1/2" to 1 3/4" Cal.	B&B, 6 foot branching height
PV	<i>Prunus virginiana 'Canada Red'</i>	Canada Red Chokecherry	2 1/2" to 3" Cal.	B&B, 6 foot branching height
PB	<i>Prunus calleryana 'Autumn Blaze'</i>	Autumn Blaze Callery Pear	2 1/2" to 3" Cal.	B&B, 6 foot branching height
PC	<i>Prunus calleryana 'Chanticleer'</i>	Chanticleer Callery Pear	2 1/2" to 3" Cal.	B&B, 6 foot branching height
SA	<i>Sorbus aucuparia</i>	European Mountain Ash	1 1/2" to 1 3/4" Cal.	B&B, 6 foot branching height
SR	<i>Syringa reticulata 'Troyi SR'</i>	Japanese Tree Lilac	1 1/2" to 1 3/4" Cal.	B&B, 6 foot branching height
TE	<i>Tilia x euclora</i>	Crimesan Linden	2 1/2" to 3" Cal.	B&B, 6 foot branching height
Evergreen Trees				
PA	<i>Picea abies</i>	Norway Spruce	6' to 7' Height	B&B
PN	<i>Pinus nigra</i>	Austrian Pine	6' to 7' Height	B&B

PLANT LIST (CONT.)

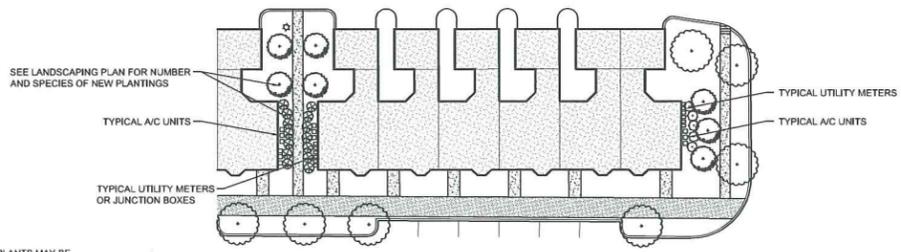
Key	Botanical Name	Common Name	Size	Remarks
Deciduous Shrubs				
AA	<i>Aronia arbutifolia 'Brilliantissima'</i>	Red Chokeberry	18" to 24" Height	B&B
CL	<i>Clethra alnifolia</i>	Summersweet	18" to 24" Height	B&B
CO	<i>Cornus alba 'Sibirica'</i>	Siberian Dogwood	18" to 24" Height	B&B
HA	<i>Hydrangea arborescens 'Annabelle'</i>	Annabelle Hydrangea	18" to 24" Height	B&B
IV	<i>Ilex verticillata</i>	Winterberry	18" to 24" Height	B&B
PR	<i>Prunus maritima</i>	Beach Plum	18" to 24" Height	B&B
RP	<i>Rhododendron x 'PJM'</i>	PJM Rhododendron	18" to 24" Height	B&B, use 'Aglo', 'Olga Mazur' and 'Roscum Elegans' cultivars
RA	<i>Rhus aromatica 'Tiro-Low'</i>	Fragrant Sumac	18" to 24" Height	B&B
SB	<i>Spiraea x bunaldii 'Anthony Waterer'</i>	Anthony Waterer Spirea	18" to 24" Height	B&B
SC	<i>Syringa x chinensis</i>	Chinese Lilac	18" to 24" Height	B&B
SP	<i>Syringa x prestoniae</i>	Preston Hybrid Lilac	18" to 24" Height	B&B
Evergreen Shrubs				
JC	<i>Juniperus chinensis var. Sargentii</i>	Sargent Juniper	18" to 24" Height	B&B
JH	<i>Juniperus horizontalis</i>	Creeping Juniper	18" to 24" Height	B&B
PM	<i>Pinus mugo var. Mugho</i>	Dwarf Mugo Pine	18" to 24" Height	B&B
TC	<i>Taxus cuspidata</i>	Japanese Yew	18" to 24" Height	D&B
TO	<i>Thuja occidentalis</i>	Globe Arborvitae	18" to 24" Height	B&B
Perennials				
AR	<i>Achillea filipendulina</i>	Yarrow	#1 Container (1 gal)	Use Yellow and Red Varieties in Groups of 5 plants
AR	<i>Artemisia</i>	Wormwood	#1 Container (1 gal)	
CS	<i>Chrysanthemum x superbum</i>	Shasta Daisy	#1 Container (1 gal)	
HE	<i>Hemerocallis spp.</i>	Daylily	#SPS Container	1 or 2 Fan Division, Heavy Root System, Use 'Stella d'Oro' and Red Varieties
SE	<i>Sedum x 'Autumn Joy'</i>	Autumn Joy Sedum	#1 Container (1 gal)	



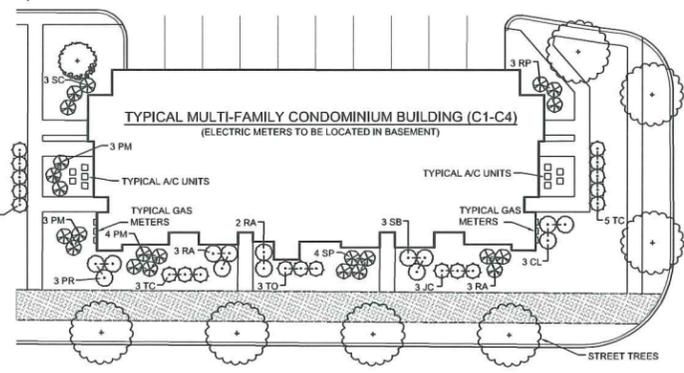
THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.

NOTES:

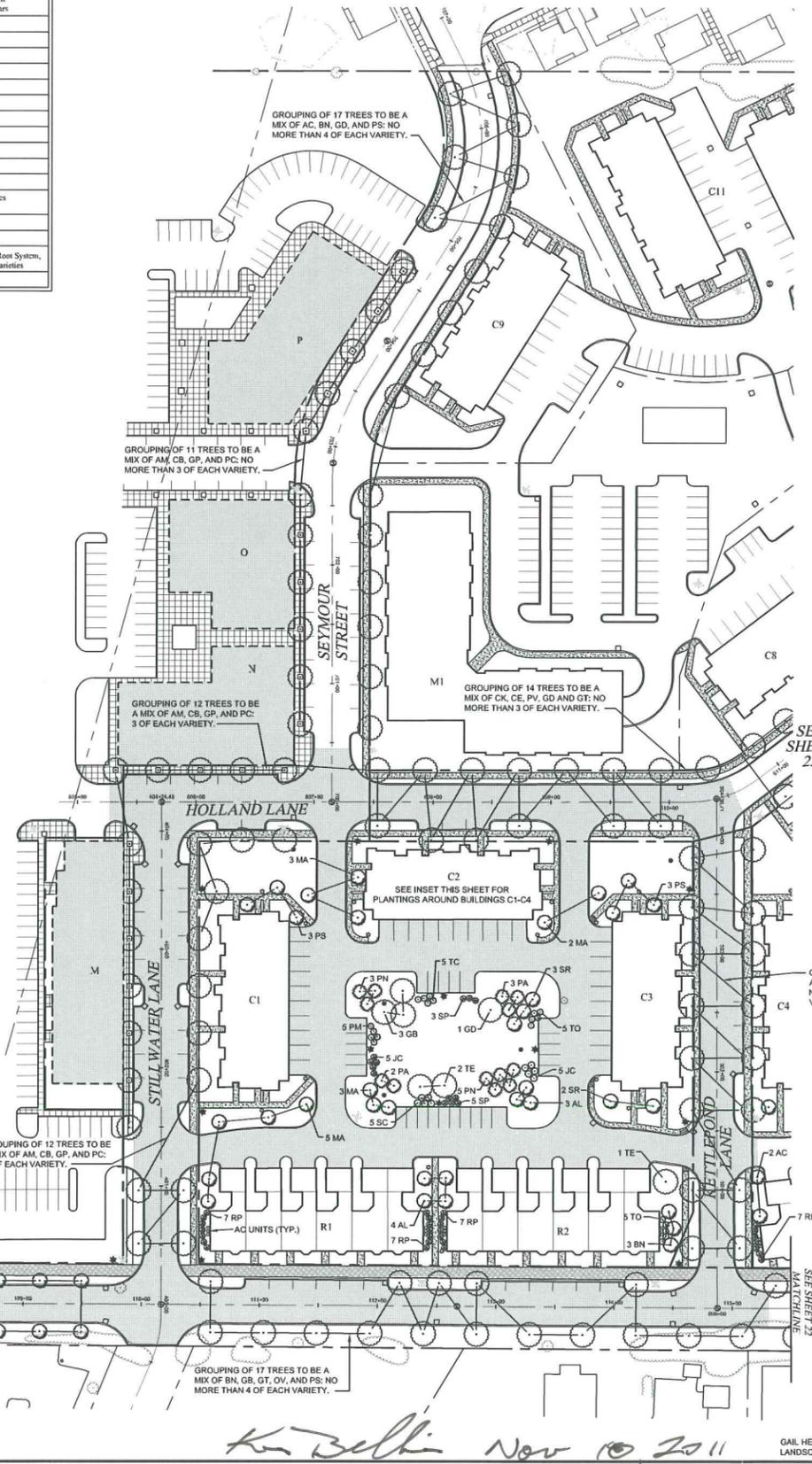
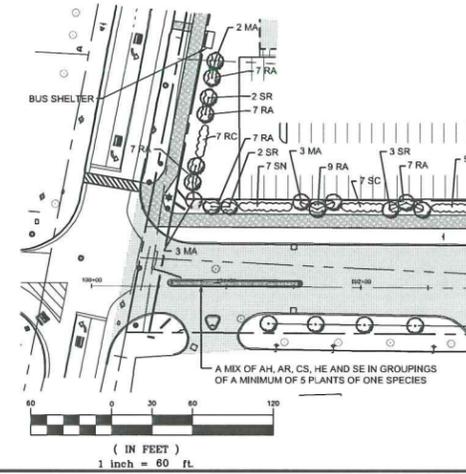
- STREET TREE PLANTINGS BORDERING COMMERCIAL/MIXED USE BUILDINGS ARE SUBJECT TO CHANGE AS FINAL SITE PLANS DEVELOP.
- STREET TREE GROUPINGS SHALL BE PLANTED ALTERNATING ONE (1) OF EACH SELECTED VARIETY.
- STREET TREE PLANTINGS BORDERING PRIVATE ROADS MAY BE RELOCATED FOR UTILITY AND DRIVEWAY LAYOUT AS FINAL PLANS DEVELOP.



TYPICAL PLANTING PLAN FOR ROW MULTI-FAMILY BUILDINGS (R1-R14)
NOT TO SCALE



TYPICAL PLANTING PLAN FOR MULTI-FAMILY CONDOMINIUM BUILDINGS (C1-C4)
NOT TO SCALE

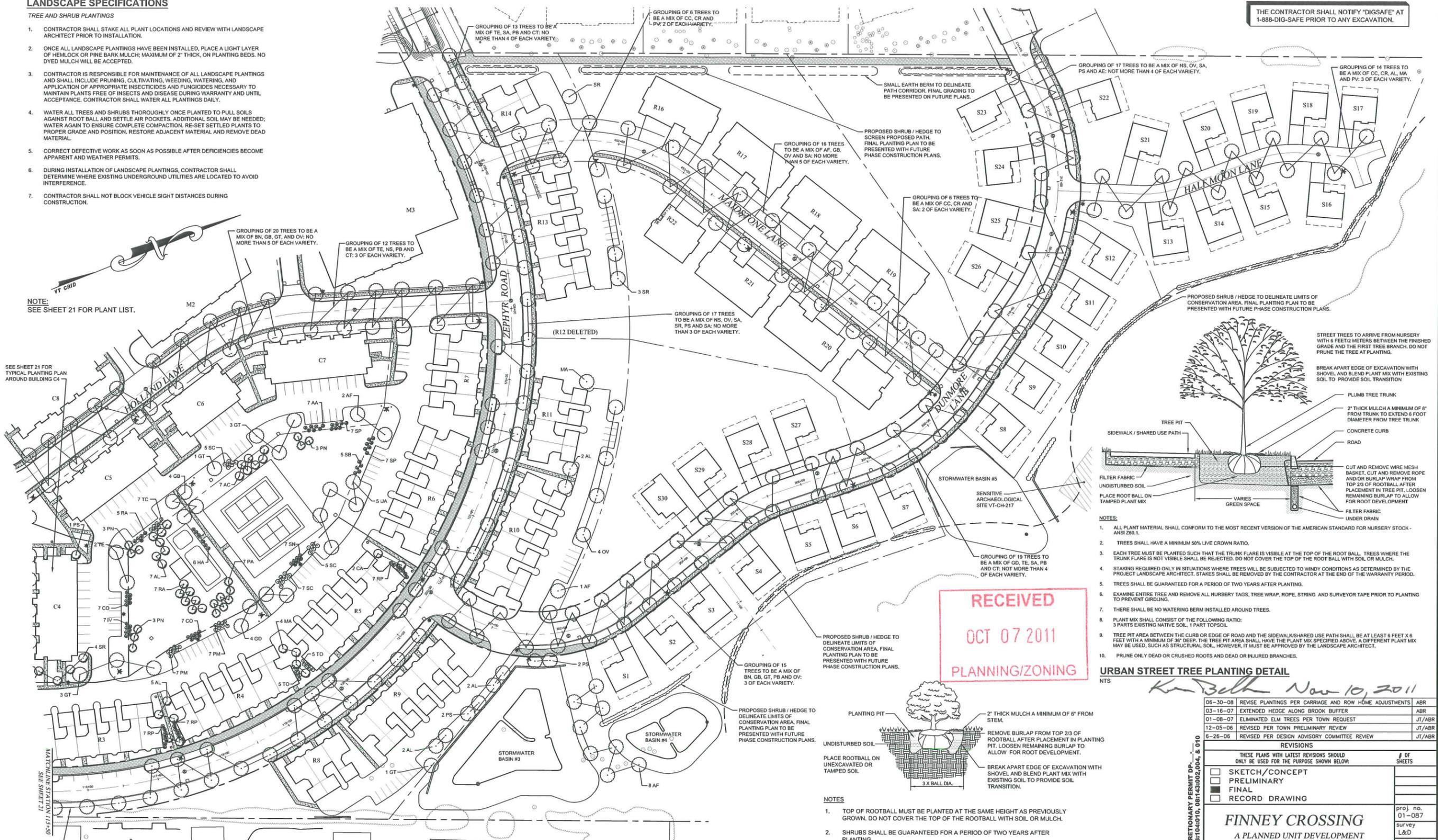


LANDSCAPE SPECIFICATIONS

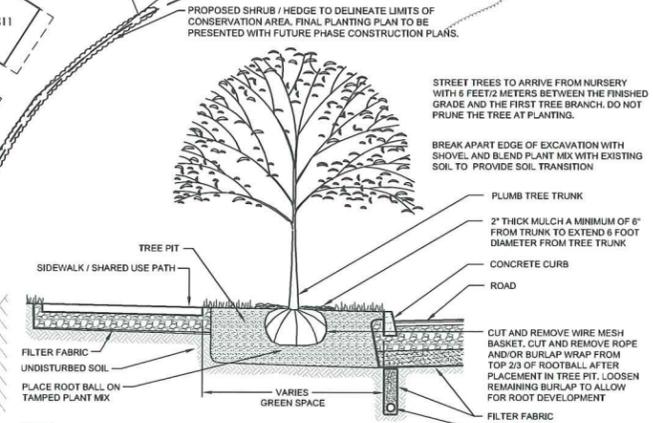
TREE AND SHRUB PLANTINGS

- CONTRACTOR SHALL STAKE ALL PLANT LOCATIONS AND REVIEW WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ONCE ALL LANDSCAPE PLANTINGS HAVE BEEN INSTALLED, PLACE A LIGHT LAYER OF HEMLOCK OR PINE BARK MULCH; MAXIMUM OF 2" THICK, ON PLANTING BEDS. NO DYED MULCH WILL BE ACCEPTED.
- CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL LANDSCAPE PLANTINGS AND SHALL INCLUDE PRUNING, CULTIVATING, WEEDING, WATERING, AND APPLICATION OF APPROPRIATE INSECTICIDES AND FUNGICIDES NECESSARY TO MAINTAIN PLANTS FREE OF INSECTS AND DISEASE DURING WARRANTY AND UNTIL ACCEPTANCE. CONTRACTOR SHALL WATER ALL PLANTINGS DAILY.
- WATER ALL TREES AND SHRUBS THOROUGHLY ONCE PLANTED TO PULL SOILS AGAINST ROOT BALL AND SETTLE AIR POCKETS. ADDITIONAL SOIL MAY BE NEEDED; WATER AGAIN TO ENSURE COMPLETE COMPACTION. RE-SET SETTLED PLANTS TO PROPER GRADE AND POSITION. RESTORE ADJACENT MATERIAL AND REMOVE DEAD MATERIAL.
- CORRECT DEFECTIVE WORK AS SOON AS POSSIBLE AFTER DEFICIENCIES BECOME APPARENT AND WEATHER PERMITS.
- DURING INSTALLATION OF LANDSCAPE PLANTINGS, CONTRACTOR SHALL DETERMINE WHERE EXISTING UNDERGROUND UTILITIES ARE LOCATED TO AVOID INTERFERENCE.
- CONTRACTOR SHALL NOT BLOCK VEHICLE SIGHT DISTANCES DURING CONSTRUCTION.

NOTE:
SEE SHEET 21 FOR PLANT LIST.



THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.

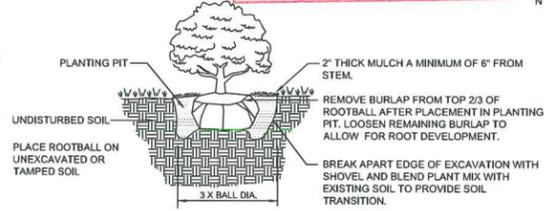


- NOTES:**
- ALL PLANT MATERIAL SHALL CONFORM TO THE MOST RECENT VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK - ANSI Z60.1.
 - TREES SHALL HAVE A MINIMUM 50% LIVE CROWN RATIO.
 - EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL OR MULCH.
 - STAKING REQUIRED ONLY IN SITUATIONS WHERE TREES WILL BE SUBJECTED TO WINDY CONDITIONS AS DETERMINED BY THE PROJECT LANDSCAPE ARCHITECT. STAKES SHALL BE REMOVED BY THE CONTRACTOR AT THE END OF THE WARRANTY PERIOD.
 - TREES SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS AFTER PLANTING.
 - EXAMINE ENTIRE TREE AND REMOVE ALL NURSERY TAGS, TREE WRAP, ROPE, STRING AND SURVEYOR TAPE PRIOR TO PLANTING TO PREVENT GIRDLING.
 - THERE SHALL BE NO WATERING BERM INSTALLED AROUND TREES.
 - PLANT MIX SHALL CONSIST OF THE FOLLOWING RATIO:
3 PARTS EXISTING NATIVE SOIL, 1 PART TOPSOIL.
 - TREE PIT AREA BETWEEN THE CURB OR EDGE OF ROAD AND THE SIDEWALK/SHARED USE PATH SHALL BE AT LEAST 6 FEET X 6 FEET WITH A MINIMUM OF 36" DEEP. THE TREE PIT AREA SHALL HAVE THE PLANT MIX SPECIFIED ABOVE. A DIFFERENT PLANT MIX MAY BE USED, SUCH AS STRUCTURAL SOIL, HOWEVER, IT MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
 - PRUNE ONLY DEAD OR CRUSHED ROOTS AND DEAD OR INJURED BRANCHES.

URBAN STREET TREE PLANTING DETAIL
NTS

Ken Belk Nov 10, 2011

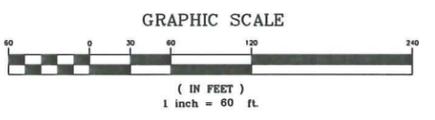
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- NOTES:**
- TOP OF ROOTBALL MUST BE PLANTED AT THE SAME HEIGHT AS PREVIOUSLY GROWN. DO NOT COVER THE TOP OF THE ROOTBALL WITH SOIL OR MULCH.
 - SHRUBS SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS AFTER PLANTING.
 - EXAMINE ENTIRE SHRUB AND REMOVE ALL NURSERY TAGS, ROPE, STRING AND SURVEYOR TAPE PRIOR TO PLANTING TO PREVENT GIRDLING.
 - THERE SHALL BE NO WATERING BERM INSTALLED AROUND SHRUBS.
 - PLANT MIX SHALL CONSIST OF THE FOLLOWING RATIO:
3 PARTS EXISTING SOIL, 1 PART TOPSOIL.
 - PLANTING PIT SHALL BE 3 TIMES AS WIDE AS ROOTBALL DIAMETER.
 - PRUNE ONLY DEAD OR CRUSHED ROOTS AND DEAD OR INJURED BRANCHES.

SHRUB PLANTING DETAIL
NTS

- NOTES:**
- STREET TREE PLANTINGS BORDERING COMMERCIAL/MIXED USE BUILDINGS ARE SUBJECT TO CHANGE AS FINAL SITE PLANS DEVELOP.
 - STREET TREE GROUPINGS SHALL BE PLANTED ALTERNATING ONE (1) OF EACH SELECTED VARIETY.
 - STREET TREE PLANTINGS BORDERING PRIVATE ROADS MAY BE RELOCATED FOR UTILITY AND DRIVEWAY LAYOUT AS FINAL PLANS DEVELOP.



DATE	REVISIONS	BY
06-30-08	REVISE PLANTINGS PER CARRIAGE AND ROW HOME ADJUSTMENTS	ABR
03-16-07	EXTENDED HEDGE ALONG BROOK BUFFER	ABR
01-08-07	ELIMINATED ELM TREES PER TOWN REQUEST	JT/ABR
12-05-06	REVISED PER TOWN PRELIMINARY REVIEW	JT/ABR
6-28-06	REVISED PER DESIGN ADVISORY COMMITTEE REVIEW	JT/ABR

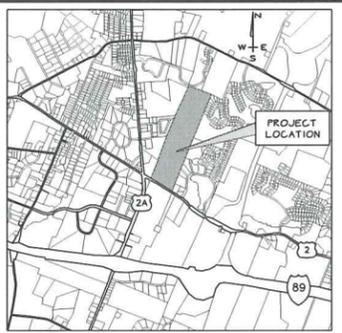
REVISIONS	# OF SHEETS
<input type="checkbox"/> SKETCH/CONCEPT <input type="checkbox"/> PRELIMINARY <input checked="" type="checkbox"/> FINAL <input type="checkbox"/> RECORD DRAWING	

proj. no. 01-087 survey L&D design DJG/ABR drawn JET/BH checked DJG/ABR date 11/30/05 scale 1" = 60' shl. no. 22

WILLISTON DISCRETIONARY PERMIT DP-AX PARCEL # 081104010, 081143002, 004, & 010

LAMOUREUX & DICKINSON
Consulting Engineers, Inc.
14 Morse Drive
Essex Junction, VT 05452
(802) 878-4450

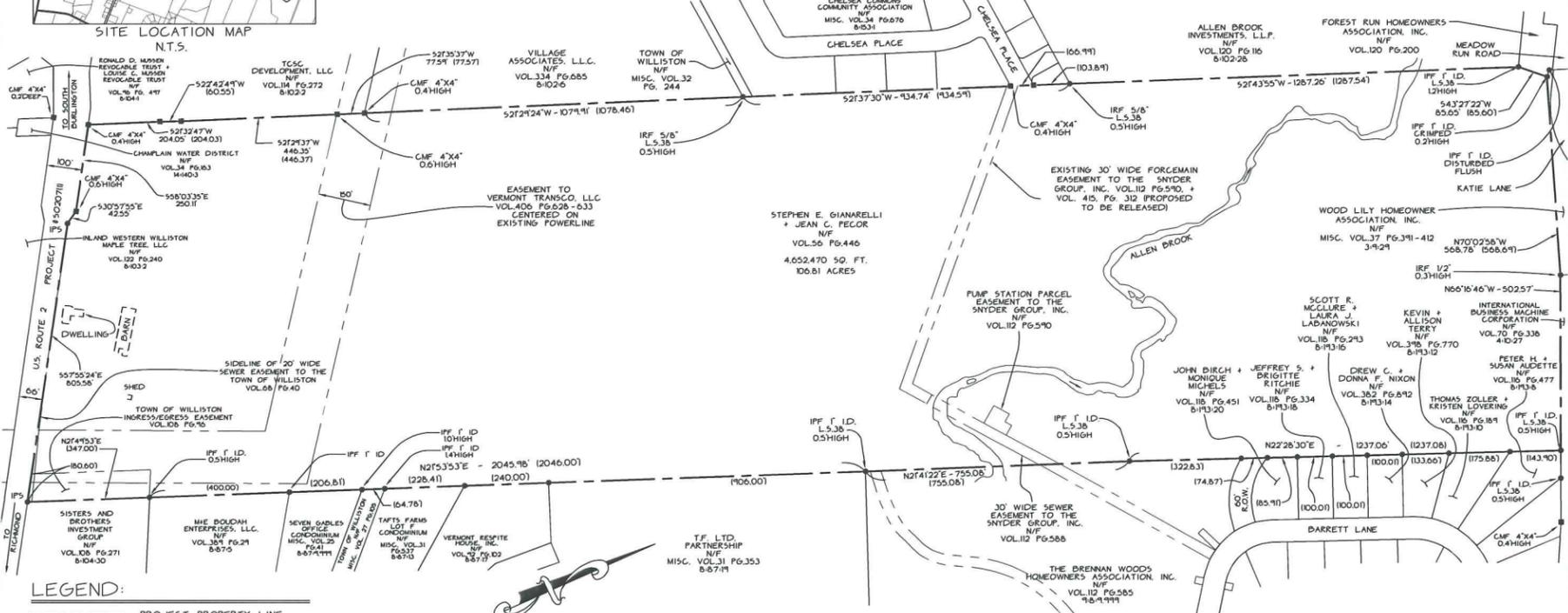
FINAL PLANS



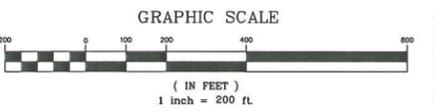
NOTES:

- THIS PLAT WAS COMPILED FROM FIELD SURVEYS AND RECORD RESEARCH INCLUDING THE USE OF THE FOLLOWING PLATS:
 TAFTS FARMS COMMERCIAL CENTER, ALLEN BROOK LANE, WILLISTON, VT. CONDOMINIUM PLAN, BY TRUDELL CONSULTING ENGINEERS, INC., LAST REVISED 5/29/97, AND RECORDED IN SLIDE 1490A.
 PROPERTY PLAT SOUTH BRENNAN WOODS, BY LAMOUREUX, STONE & O'LEARY CONSULTING ENGINEERS, INC., DATED 1/8/96, AND RECORDED IN SLIDE 1528B.
 WOOD LILY A PLANNED RESIDENTIAL DEVELOPMENT, MOUNTAIN VIEW ROAD, WILLISTON, VT. PROPERTY PLAT, BY LAMOUREUX, STONE & O'LEARY CONSULTING ENGINEERS, INC., DATED 7/14/94, AND RECORDED IN SLIDE 1508A.
 TODD & DIANA HARDIE, WILLISTON, VT. SUBDIVISION PLAN, BY TRUDELL CONSULTING ENGINEERS, INC., DATED 1/05/84, AND RECORDED IN SLIDE 1250A.
 FOREST RUN A PLANNED RESIDENTIAL DEVELOPMENT, ROUTE 2A, WILLISTON, VT. PROPERTY PLAT, BY LAMOUREUX & STONE CONSULTING ENGINEERS, INC., DATED 6/26/91, AND RECORDED IN SLIDE 1575A.
 LANDS OF ZEPHYR BEAUDRY, ROUTE 2A WILLISTON, VT. PROPERTY PLAT, BY LAMOUREUX, STONE & O'LEARY CONSULTING ENGINEERS, INC., LAST REVISED 6/25/98, AND RECORDED IN SLIDE 1532B.
 LANDS OF ZEPHYR BEAUDRY, ESSEX ROAD, WILLISTON, VT. BOUNDARY LINE ADJUSTMENT, LAMOUREUX, STONE & O'LEARY CONSULTING ENGINEERS, INC., DATED 12/6/94, AND RECORDED IN SLIDE 1435A.
 PLAT SHOWING TAFTS FARMS NORTHSHORE TAFTS FARMS LIMITED PARTNERSHIP, WILLISTON, VT., BY TRUDELL CONSULTING ENGINEERS, INC., DATED 12/20/73, AND RECORDED IN SLIDE 1241B.
 MAPLE TREE PLACE, WILLISTON, VERMONT, BOUNDARY PLAT, BY DONALD L. HAMLIN CONSULTING ENGINEERS, INC., DATED 4/29/87, AND RECORDED IN SLIDE 1505A.
 PLAN OF PROPERTY OWNED BY JUDGE DEVELOPMENT CORPORATION WILLISTON, VT., BY FOREYEN ASSOCIATES, DATED FEB. 1993, AND RECORDED IN SLIDE 1538B.
 CHELSEA COMMONS PROPOSED RESIDENTIAL DEVELOPMENT, VT. ROUTE 2A AND KNIGHT LANE, WILLISTON, VT., BY LAMOUREUX, STONE & O'LEARY CONSULTING ENGINEERS, INC., LAST REVISED 5/29/98, AND RECORDED IN SLIDE 1444B.
 FINAL PLAT CONGREGATE ELDER HOUSING, PROPERTY OF STEPHEN E. GIANNARELLI AND JEAN C. PECOR, WILLISTON, VT., BY CIVIL ENGINEERING ASSOCIATES, INC., LAST REVISED 12/91 AND RECORDED IN SLIDE 1321.
 COMPOSITE SURVEY PLAT, IBM CORPORATION, WILLISTON, VERMONT, BY PINSAM ENGINEERING ASSOCIATES, INC., DATED 12/20/91 AND RECORDED IN SLIDE 1322A.

- ALTA/ACSM LAND TITLE SURVEY FOR JUDGE DEVELOPMENT CORP. AND GRIDLOCK, INC., BY VERMONT SURVEY AND ENGINEERING, INC., DATED 9/09/98, AND RECORDED IN SLIDE 1539B.
- BEARINGS ARE BASED ON SURVEY GRADE GPS OBSERVATIONS AT THE TIME OF THIS SURVEY, JUNE, 2003.
- THIS PROPERTY MAY BE SUBJECT TO OTHER EASEMENTS AND/OR RIGHTS-OF-WAY.
- THIS PROPERTY IS SHOWN ON THE TOWN OF WILLISTON'S PROPERTY MAP 18, AS PARCELS 810410, 81432, 81433, AND 814310.
- ALL IRON PIPES SET ARE 1" INSIDE DIAMETER AND ALL REDARS SET WILL BE 5/8" MONUMENTATION FOUND IS AS NOTED ON PLAN.
- THE RIGHT OF WAY WIDTH FOR U.S. ROUTE 2 OF FOUR RODS 165 FEET WIDE, UNLESS OTHERWISE NOTED IS BASED ON PHYSICAL EVIDENCE AND RIGHT OF WAY PLANS PROVIDED BY THE VERMONT AGENCY OF TRANSPORTATION.
- A CLOSED TRAVERSE SURVEY WAS COMPLETED ON 7/17/03, USING A COMBINATION OF EDM AND GPS STATIC BASELINES. THE METHODS AND THE RESULTING ERROR OF CLOSURE MEET OR EXCEED THE MINIMUM PRECISION REQUIREMENTS FOR SUBURBAN SURVEYS.



- LEGEND:**
- PROJECT PROPERTY LINE
 - ADJUTING PROPERTY LINE
 - SIDELINE OF EXISTING EASEMENT
 - N/F TOWN OR FORMERLY
 - IRON PIPE OR REDBAR SHOWN ON PREVIOUS SURVEY
 - CONCRETE MONUMENT SHOWN ON PREVIOUS SURVEY
 - IRF IRON REDBAR FOUND
 - IPF IRON PIPE FOUND
 - IPS IRON PIPE SET
 - IRS IRON REDBAR SET
 - CMF CONCRETE MONUMENT FOUND
 - N35°25'45"E 124.54' BEARINGS + DISTANCES DETERMINED BY SURVEY
 - △ POINT NOT DETERMINED BY SURVEY
 - 1124.54' RECORD DISTANCE



TOWN CLERK'S OFFICE
 TOWN OF WILLISTON, VT. _____, 2008
 RECEIVED FOR RECORD AT _____ O'CLOCK
 _____ M. AND RECORDED IN VOL. _____ OF _____
 ATTEST _____ ON PAGE _____ TOWN CLERK

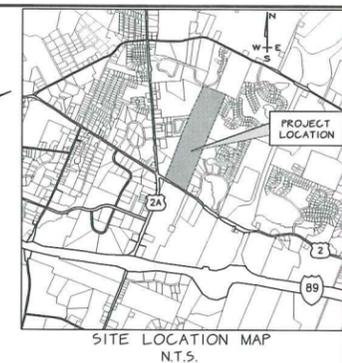
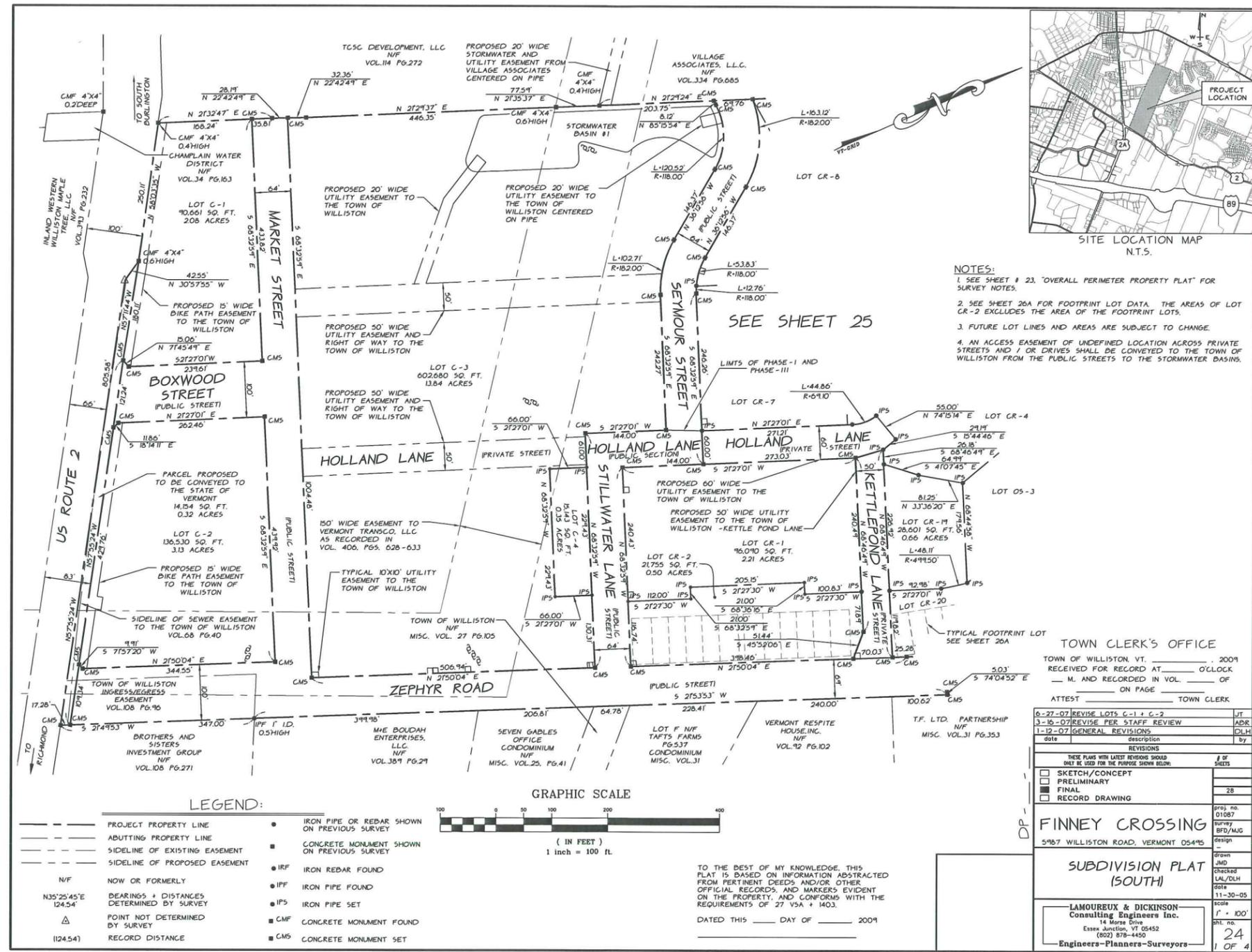
TO THE BEST OF MY KNOWLEDGE THIS PLAT IS BASED ON INFORMATION ABSTRACTED FROM PERTINENT DEEDS AND/OR OTHER OFFICIAL RECORDS, AND MARKERS EVIDENT ON THE PROPERTY, AND CONFORMS WITH THE REQUIREMENTS OF 27 VSA + 1403.
 DATED THIS _____ DAY OF _____, 2008

6-30-08	UPDATE ADJUTERS, ADD DFN	ADR												
11-12-07	GENERAL REVISIONS	ADR												
<table border="1"> <thead> <tr> <th>REVISIONS</th> <th># OF SHEETS</th> </tr> </thead> <tbody> <tr> <td>THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSES SHOWN BELOW.</td> <td></td> </tr> <tr> <td>SKETCH/CONCEPT</td> <td>28</td> </tr> <tr> <td>PRELIMINARY</td> <td></td> </tr> <tr> <td>FINAL</td> <td></td> </tr> <tr> <td>RECORD DRAWING</td> <td></td> </tr> </tbody> </table>			REVISIONS	# OF SHEETS	THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSES SHOWN BELOW.		SKETCH/CONCEPT	28	PRELIMINARY		FINAL		RECORD DRAWING	
REVISIONS	# OF SHEETS													
THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSES SHOWN BELOW.														
SKETCH/CONCEPT	28													
PRELIMINARY														
FINAL														
RECORD DRAWING														
FINNEY CROSSING 5187 WILLISTON ROAD, VERMONT 05415 OVERALL PERIMETER PROPERTY PLAT LAMOUREUX & DICKINSON Consulting Engineers Inc. 14 Marae Drive Essex Junction, VT 05452 (802) 878-4450 Engineers-Planners-Surveyors														
23														

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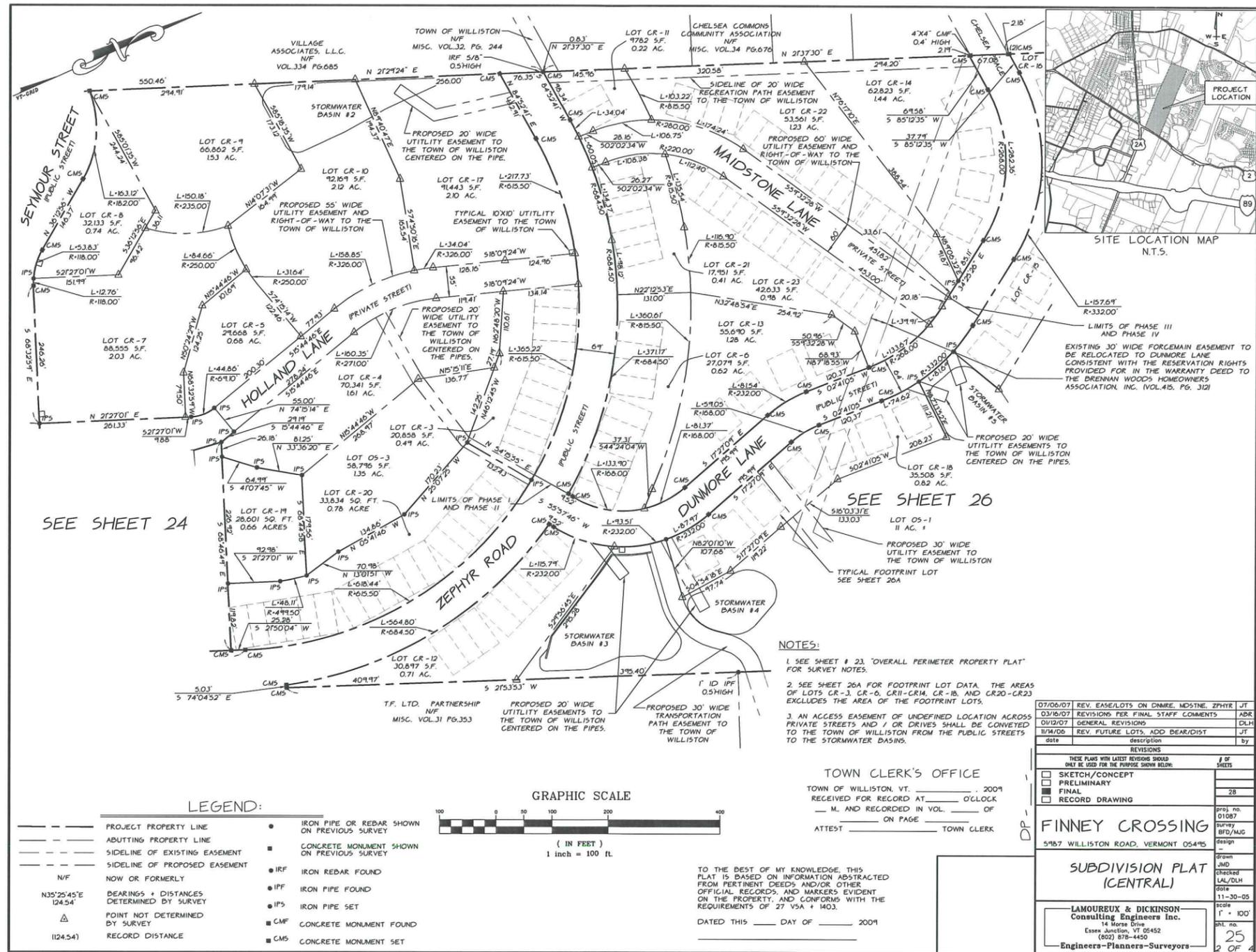
FINAL PLANS



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FINAL PLANS

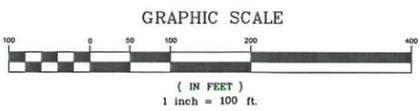


SEE SHEET 24

SEE SHEET 26

LEGEND:

---	PROJECT PROPERTY LINE	●	IRON PIPE OR REDAR SHOWN ON PREVIOUS SURVEY
---	ADJUTING PROPERTY LINE	■	CONCRETE MONUMENT SHOWN ON PREVIOUS SURVEY
---	SIDELINE OF EXISTING EASEMENT	■	IRON REDAR FOUND
---	SIDELINE OF PROPOSED EASEMENT	■	IRON PIPE FOUND
N/F	NOW OR FORMERLY	■	IRON PIPE SET
N35°25'45"E 124.54'	BEARINGS + DISTANCES DETERMINED BY SURVEY	■	CONCRETE MONUMENT FOUND
△	POINT NOT DETERMINED BY SURVEY	■	CONCRETE MONUMENT SET
124.54'	RECORD DISTANCE		



- NOTES:**
- SEE SHEET # 23 "OVERALL PERIMETER PROPERTY PLAT" FOR SURVEY NOTES.
 - SEE SHEET 26A FOR FOOTPRINT LOT DATA. THE AREAS OF LOTS CR-3, CR-6, CR11-CR14, CR-18, AND CR20-CR23 EXCLUDES THE AREA OF THE FOOTPRINT LOTS.
 - AN ACCESS EASEMENT OF UNDEFINED LOCATION ACROSS PRIVATE STREETS AND / OR DRIVES SHALL BE CONVEYED TO THE TOWN OF WILLISTON FROM THE PUBLIC STREETS TO THE STORMWATER BASINS.

TOWN CLERK'S OFFICE
TOWN OF WILLISTON, VT. _____, 2009
RECEIVED FOR RECORD AT _____ O'CLOCK
_____ M. AND RECORDED IN VOL. _____ OF _____
ATTEST _____ ON PAGE _____ TOWN CLERK

DATE	REVISIONS	BY
07/06/07	REV. EASE/LOTS ON DUNMRE, MDSTONE, ZEPHYR	JT
03/16/07	REVISIONS PER FINAL STAFF COMMENTS	ADR
09/12/07	GENERAL REVISIONS	DLH
10/16/06	REV. FUTURE LOTS, ADD DEAR/DIST	JT

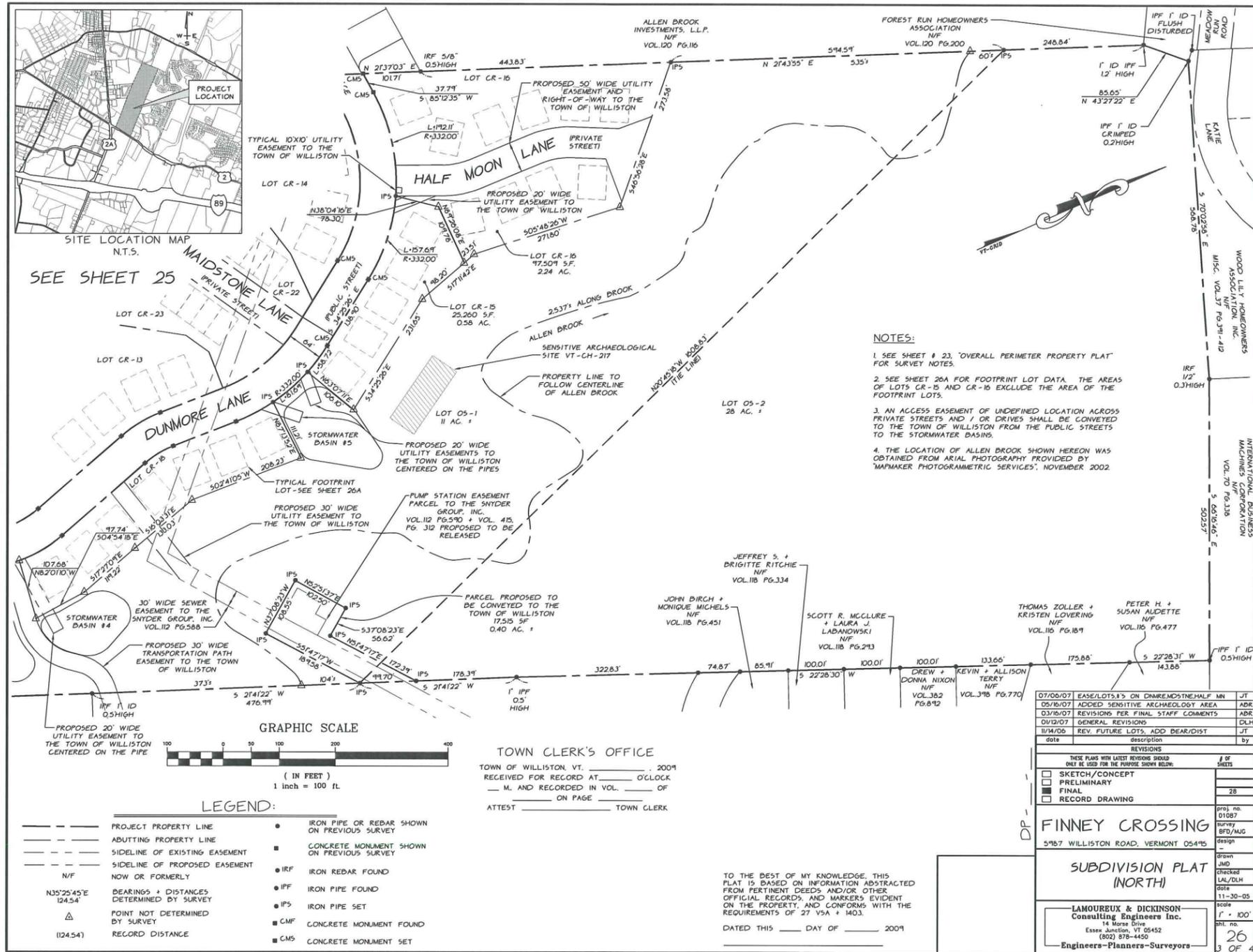
REVISIONS	# OF SHEETS
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proj. no. 01087
survey, BFD/JAC
drawn by
checked LAL/DLH
date 11-30-05
scale 1" = 100'
sheet no. 25
2 OF 4

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NOTES:

- SEE SHEET # 23, "OVERALL PERIMETER PROPERTY PLAT" FOR SURVEY NOTES.
- SEE SHEET 26A FOR FOOTPRINT LOT DATA. THE AREAS OF LOTS CR-15 AND CR-16 EXCLUDE THE AREA OF THE FOOTPRINT LOTS.
- AN ACCESS EASEMENT OF UNDEFINED LOCATION ACROSS PRIVATE STREETS AND / OR DRIVES SHALL BE CONVEYED TO THE TOWN OF WILLISTON FROM THE PUBLIC STREETS TO THE STORMWATER BASINS.
- THE LOCATION OF ALLEN BROOK SHOWN HEREON WAS OBTAINED FROM ARIAL PHOTOGRAPHY PROVIDED BY "MAPMAKER PHOTOGRAMMETRIC SERVICES", NOVEMBER 2002.

TOWN CLERK'S OFFICE
TOWN OF WILLISTON, VT. _____, 2009
RECEIVED FOR RECORD AT _____ O'CLOCK
M. AND RECORDED IN VOL. _____ OF _____
ON PAGE _____
ATTEST _____ TOWN CLERK

TO THE BEST OF MY KNOWLEDGE THIS PLAT IS BASED ON INFORMATION ABSTRACTED FROM PERTINENT DEEDS AND/OR OTHER OFFICIAL RECORDS, AND MARKERS EVIDENT ON THE PROPERTY, AND CONFORMS WITH THE REQUIREMENTS OF 27 V.S.A. + 1403.
DATED THIS _____ DAY OF _____, 2009

07/00/07	EASE/LOTS 13'S ON DUNMORE/STONE/HALF MOON	JT
05/16/07	ADDED SENSITIVE ARCHAEOLOGY AREA	ADR
03/16/07	REVISIONS PER FINAL STAFF COMMENTS	ADR
01/12/07	GENERAL REVISIONS	DLH
11/14/05	REV. FUTURE LOTS, ADD BEAR/DIST	JT
DATE	DESCRIPTION	BY
REVISIONS		
THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:		
<input type="checkbox"/>	SKETCH/CONCEPT	# OF SHEETS
<input type="checkbox"/>	PRELIMINARY	
<input checked="" type="checkbox"/>	FINAL	28
<input type="checkbox"/>	RECORD DRAWING	
FINNEY CROSSING 5987 WILLISTON ROAD, VERMONT 05445		
SUBDIVISION PLAT (NORTH)		
LAMOUREUX & DICKINSON Consulting Engineers Inc. 14 Morse Drive Essex Junction, VT 05452 (802) 878-4450		
Engineers-Planners-Surveyors		
Proj. no.	01087	
Survey	BFD/MAG	
Drawn		
Checked	LAL/DLH	
Date	11-30-05	
Scale	1" = 100'	
Shl. no.	26	
	3 OF 4	

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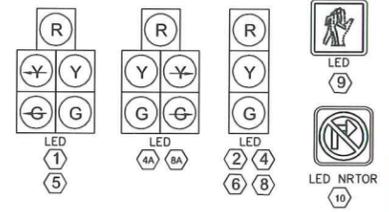
FINAL PLANS

THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.

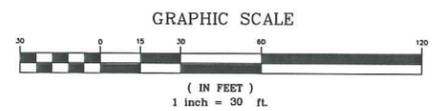
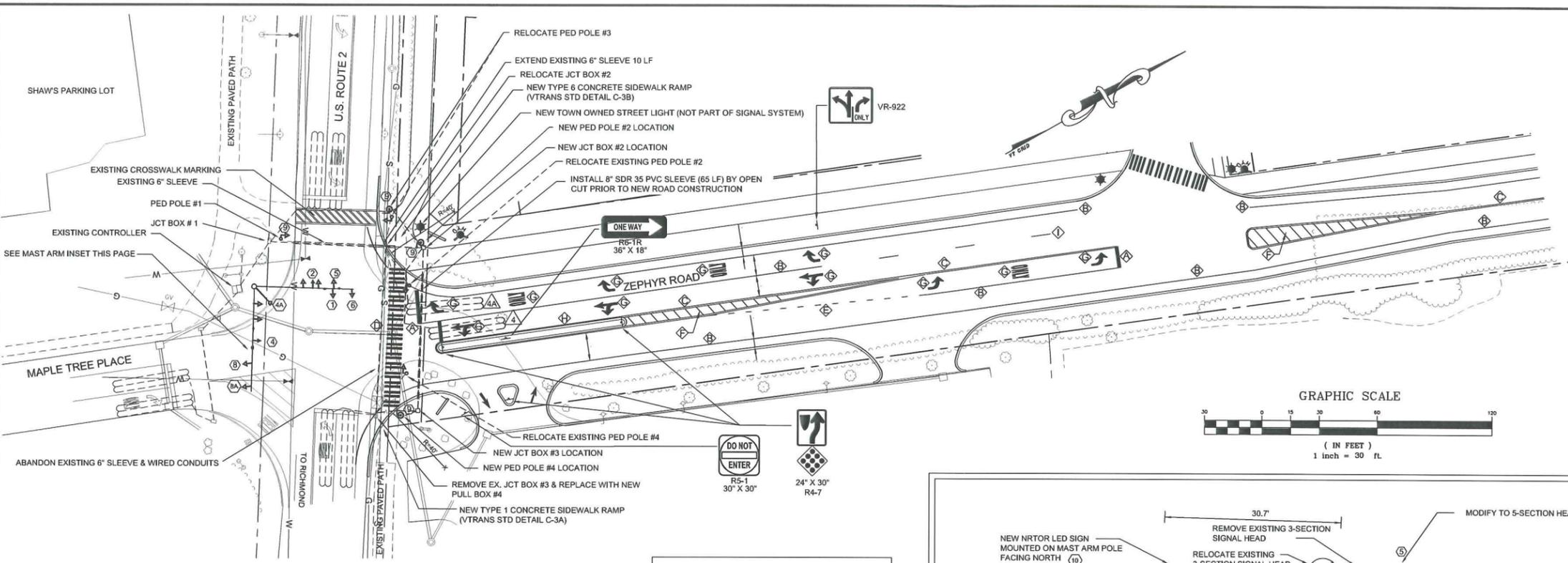
PAVEMENT MARKING LEGEND

- ⬢ 24" DURABLE SOLID WHITE STOP BAR
- 4" DURABLE SOLID WHITE LINE
- ⬢ 4" DURABLE DOTTED WHITE LINE, 2' LONG SPACED 4' APART
- ⬢ DURABLE CROSSWALK MARKING
- ⬢ 4" DURABLE DOTTED WHITE LINE, 2' LONG SPACED 4' APART
- ⬢ 8" DURABLE SOLID YELLOW LINE
- ⬢ DURABLE LETTER OR SYMBOL
- ⬢ 4" DURABLE DASHED WHITE LINE, 10' LONG, SPACED 30' APART
- ⬢ SINGLE 4" DURABLE SOLID YELLOW LINE

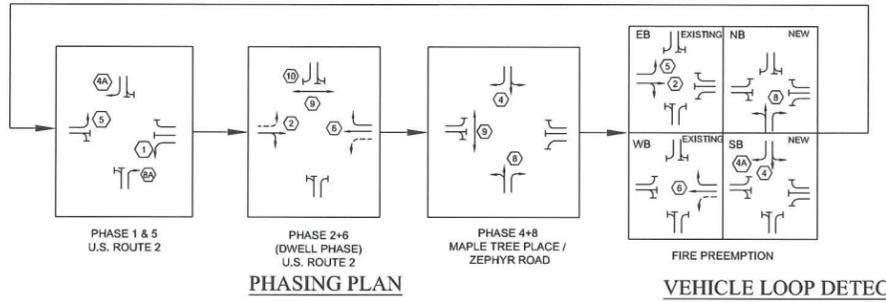
NOTE: TEMPORARY PAINT PAVEMENT MARKINGS WILL BE REQUIRED FOLLOWING BASE COURSE PAVEMENT ON ZEPHYR ROAD.



SIGNAL HEADS



NOTES:
 1. AT THE EXISTING CONTROLLER, U.S. ROUTE 2 IS CURRENTLY PROGRAMMED AS PHASE 4 & 8. AS PART OF THE INTERSECTION IMPROVEMENT WORK SHOWN ON THIS PLAN, THE SIGNAL SHALL BE REPROGRAMMED AND/OR REWIRED SO THAT U.S. ROUTE 2 IS PHASE 2 & 6.
 2. THE EXISTING FOUR PEDESTRIAN PUSH BUTTONS AND CORRESPONDING SIGNS AT THE INTERSECTION SHALL BE REMOVED AND REPLACED WITH ACCESSIBLE PEDESTRIAN SIGNAL SYSTEM BUTTONS.
 3. ON ALL RELOCATED POLES WITH AN APS BUTTON, THE TOP OF POLE FOUNDATION SHALL BE FLUSH WITH THE SIDEWALK. PROVIDE A RAMP FROM THE SIDEWALK TO THE POLE.
 4. ALL PROPOSED PERMANENT SIGN POSTS SHALL BE 3 LB/FT FLANGED CHANNEL.



PHASING PLAN

VEHICLE LOOP DETECTOR SCHEDULE

LANE	LOOP #	SIZE	TYPE	# OF TURNS	CALL PHASE	MODE	INDUCTANCE (uH)		RESISTANCE (ohms)		LEAKAGE TO GROUND (m-ohms)
							CALC.	MEAS.	CALC.	MEAS.	
ZEPHYR ROAD SB TH/LT	1	6' x 40'	LONG	2	8	PRES.	378		1.08		
ZEPHYR ROAD SB RT	2	6' x 40'	LONG	2	8	PRES.*	373		1.00		

* DELAY ON RIGHT TURN LOOPS

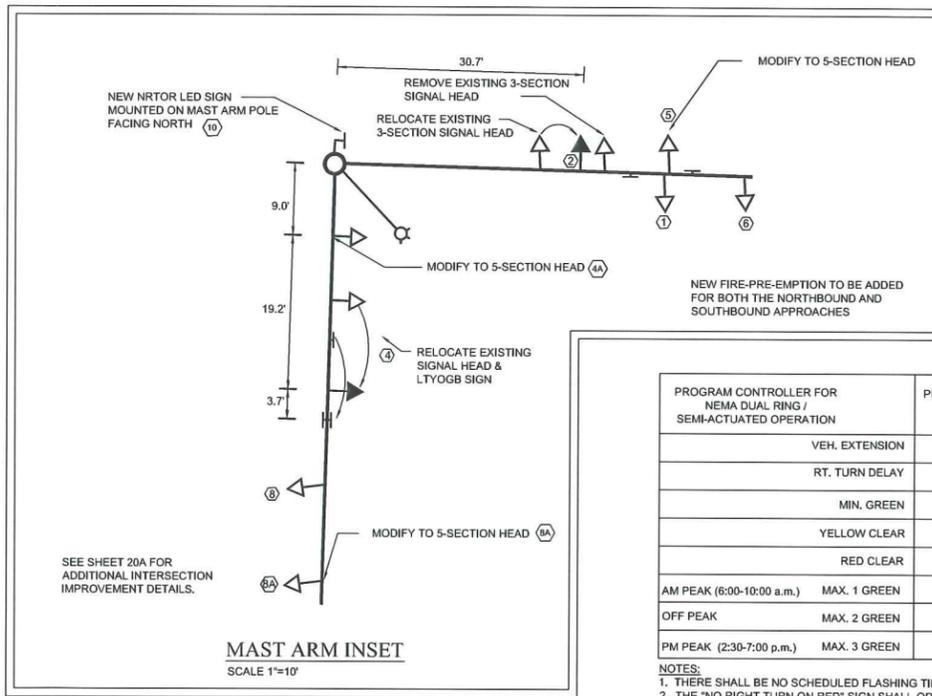
WIRED CONDUIT SCHEDULE

FROM	TO	DIAMETER		DESCRIPTION
		1 1/2"	2"	
FORMER JCT BOX #2	JCT BOX #2	20'	20'	LOOP & SIGNAL WIRING (NO SPLICES ALLOWED, REPLACE EXISTING WIRING BETWEEN JCT BOXES #1 & #2 AS REQ'D.)
JCT BOX #2	PED POLE #2	-	5'	SIGNAL WIRING
JCT BOX #2	PED POLE #3	-	30'	SIGNAL WIRING
JCT BOX #2	LOOP LEAD-INS #4 & #4A	15'		LOOP WIRING
JCT BOX #2	JCT BOX #3	85'	85'	LOOP & SIGNAL WIRING
JCT BOX #3	PED POLE #4	-	10'	SIGNAL WIRING
PULL BOX #4	JCT BOX #3	20'		LOOP WIRING (CONNECT TO EXISTING LOOP LEAD-INS)

NOTES:
 1. UNLESS OTHERWISE NOTED ABOVE, NEW WIRED CONDUITS SHALL BE INSTALLED TO NEW LOCATIONS OF LISTED JCT BOXES & PED POLES.
 2. WORK SHALL INCLUDE NEW WIRING IN EXISTING CONDUITS & MAST ARM AS REQUIRED TO MAKE A FULLY FUNCTIONAL SIGNAL.

THE FOLLOWING COORDINATION SPLITS AND OFFSETS SHALL BE UPDATED IN THE CONTROLLER

U.S. ROUTE 2 / MTP / ZEPHYR ROAD	SPLITS									OFFSET
	#1	#2	#3	#4	#5	#6	#7	#8	#9	
A.M. PEAK	21 s, 25%	39 s, 46%		24 s, 29%	21 s, 25%	39 s, 46%		24 s, 29%		12 SEC.
OFF PEAK	21 s, 24%	38 s, 43%		29 s, 33%	21 s, 24%	38 s, 43%		29 s, 33%		66 SEC.
PM PEAK	18 s, 19%	46 s, 48%		32 s, 33%	18 s, 19%	46 s, 48%		32 s, 33%		84 SEC.



MAST ARM INSET

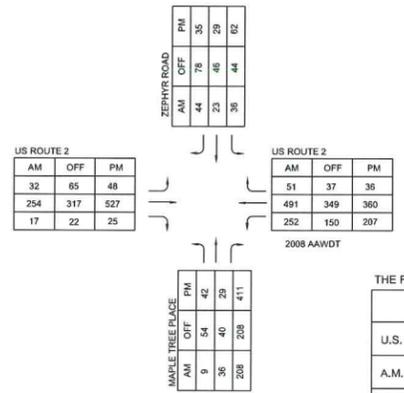
SCALE 1"=10'

LIST OF MAJOR NEW EQUIPMENT U.S. ROUTE 2 / MAPLE TREE PLACE

EQUIPMENT	QUANTITY
MODIFY EXISTING 3-SECTION SIGNAL HEADS TO 5-SECTION HEADS WITH TUNNEL VISORS AND MOUNTING HARDWARE INCLUDES BACKPLATES ON ALL SIGNAL HEADS SIGNAL HEADS (ALL LED)	2
LED HANDMAN PEDESTRIAN SIGNAL HEADS	0
JUNCTION BOX (REUSE EXISTING)	2
PULL BOX	1
LEFT TURN YIELD ON GREEN BALL SIGN	0
APS PEDESTRIAN PUSH BUTTON ASSEMBLY W/ SIGN	4
FIRE PREEMPTION DETECTOR (BIDIRECTIONAL) & CONFIRMATION STROBE	1
LED NO RIGHT-TURN RED SIGNS	1

THE QUANTITIES LISTED ABOVE ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY. MISCELLANEOUS (UNLISTED) WIRE, CABLE, HARDWARE ETC. ARE REQUIRED TO PROVIDE FOR A FUNCTIONING TRAFFIC SIGNAL SYSTEM.

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DATE	REVISIONS	BY
9-09-09	MISC. CORRECTIONS	RJD
10-1-07	REVISED AS PER VTRANS	PLC
5-14-07	REVISED AS PER VTRANS	PLC

THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:
 SKETCH/CONCEPT
 PRELIMINARY
 FINAL
 RECORD DRAWING

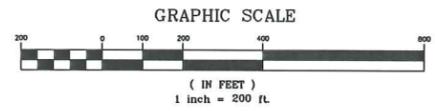
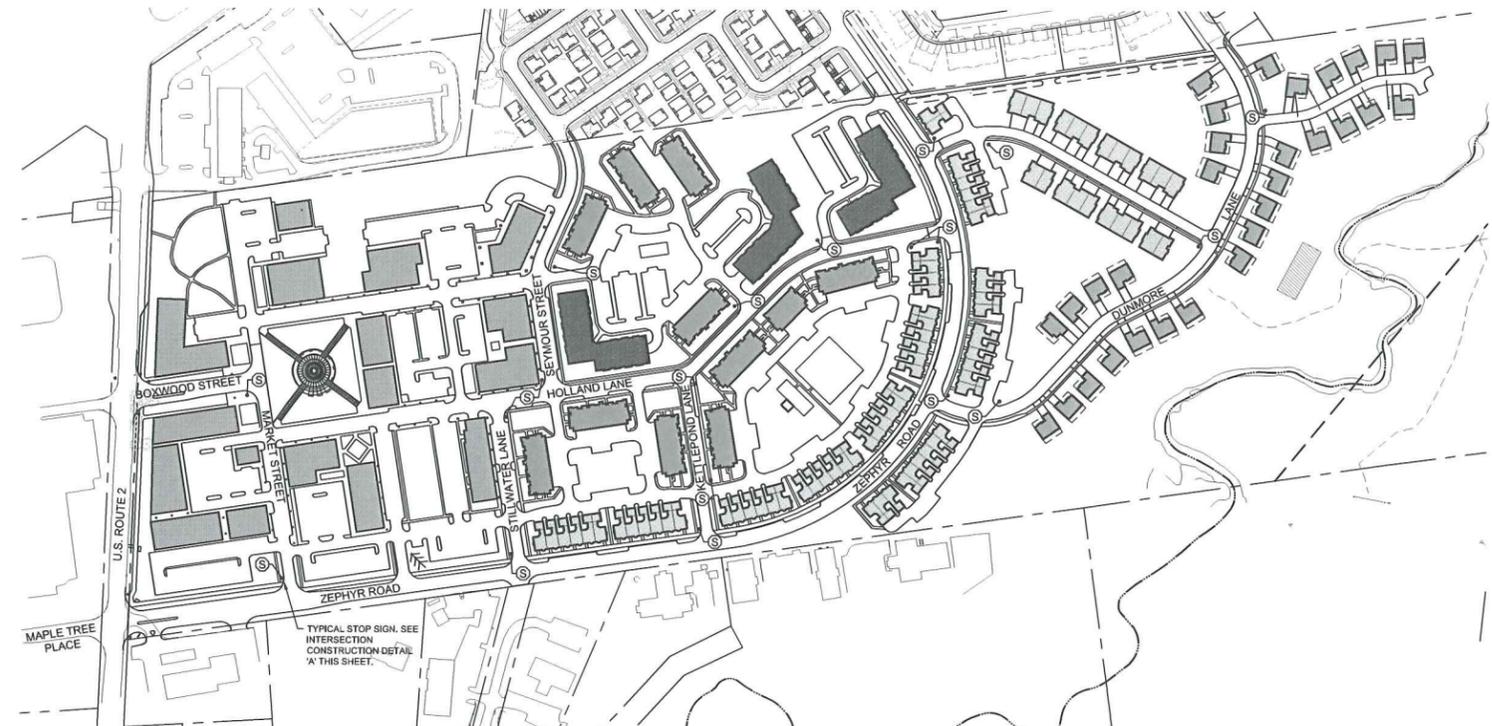
FINNEY CROSSING
 A PLANNED UNIT DEVELOPMENT
 WILLISTON, VERMONT
 U.S. ROUTE 2 / ZEPHYR ROAD
 INTERSECTION
 IMPROVEMENTS PLAN

LAMOUREUX & DICKINSON
 Consulting Engineers, Inc.
 14 Morse Drive
 Essex Junction, VT 05452
 (802) 878-4450

AS SHOWN
 sht. no.
20

FINAL PLANS

Kon Belbin Nov 10, 2011



GENERAL SPECIFICATIONS

- THIS PROJECT INCLUDES TRAFFIC SIGNAL MODIFICATIONS AT THE INTERSECTIONS OF U.S. ROUTE 2/BOXWOOD STREET AND U.S. ROUTE 2/MAPLE TREE PLACE/ZEPHYR ROAD.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH TOWN OF WILLISTON STANDARDS, VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THESE PLANS.
- THE CONTRACTOR SHALL CONTACT ALL UTILITIES BEFORE EXCAVATION TO VERIFY THE LOCATION OF ANY UNDERGROUND LINES. THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-344-7233 (1-888-DIG-SAFE) PRIOR TO ANY EXCAVATION.
- INTERSECTION LAYOUT AND UTILITY INFORMATION OBTAINED FROM A SURVEY PERFORMED BY LAMOUREUX & DICKINSON. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, SHOWN OR NOT SHOWN HEREON.
- ANY SURFACES, LINES, OR STRUCTURES WHICH HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO THE CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS.
- CONSTRUCTION OBSERVATION AND CERTIFICATION IS OFTEN REQUIRED BY STATE AND LOCAL PERMITS. IT IS RECOMMENDED THAT CONSTRUCTION OF THE IMPROVEMENTS DETAILED ON THESE PLANS BE OBSERVED BY LAMOUREUX & DICKINSON CONSULTING ENGINEERS, INC. (L&D) TO DETERMINE IF THE WORK IS BEING PERFORMED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. L&D WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS THAT MAY ARISE FROM FAILURE TO FOLLOW THESE PLANS AND SPECIFICATIONS AND THE DESIGN INTENT THAT THEY CONVEY, ANY CHANGES MADE IN THE PLANS AND SPECIFICATIONS OR IN THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS WITHOUT L&D'S PRIOR KNOWLEDGE AND CONSENT, AND/OR FAILURE TO SCHEDULE OBSERVATION OF THE WORK AND TESTING IN PROGRESS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF EXISTING SIGNAL EQUIPMENT STRUCTURES, VEGETATION AND PAVEMENT NECESSARY TO CONSTRUCT THE PROJECT, UNLESS OTHERWISE NOTED ON THE PLANS. THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIAL, DEBRIS AND TRASH FROM THE SITE UPON COMPLETION OF CONSTRUCTION, UNLESS OTHERWISE DIRECTED BY THE TOWN.
- TO ENSURE COMPLIANCE WITH THE PLAN(S), THE CONTRACTOR SHALL NOTIFY THE VTRANS DISTRICT TRANSPORTATION ADMINISTRATOR 24 HOURS IN ADVANCE OF STARTING ANY WORK, CUTTING THE PAVEMENT, BEGINNING THE INSTALLATION OF ANY SIGNAL EQUIPMENT, START-UP OF SIGNAL OPERATION AND FINAL INSPECTION.
- ANY EXISTING SIGN ON U.S. ROUTE 2 DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A NEW MUTCD COMPLIANT SIGN AND POST.
- THE FOLLOWING VAOT STANDARD DETAILS SHALL APPLY TO THIS PROJECT: C-3A, E-100, E-101, E-102, E-106, E-110, E-121, E-140, E-160, E-170, E-171A, E-171B, E-171C, E-172, E-173 AND E-175. COPIES OF THESE DETAILS MAY BE OBTAINED FROM VTRANS.

SIGNAL EQUIPMENT & INSTALLATION SPECIFICATIONS

- ALL NEW EQUIPMENT SHALL MEET OR EXCEED VTRANS STANDARD SPECIFICATIONS 678 & 752, NEMA STANDARDS AND IMSA OR ITS SPECIFICATIONS, WHERE APPLICABLE. INSTALLATION OF SIGNAL EQUIPMENT SHALL BE AS DETAILED ON THESE PLANS AND THE VTRANS STANDARD DETAILS REFERENCED ON THIS SHEET IN GENERAL SPECIFICATIONS.
- THE CONTRACTOR SHALL SUBMIT TO VTRANS, FOR APPROVAL, SHOP DRAWINGS FOR EACH NEW TRAFFIC SIGNAL EQUIPMENT ITEM. SHOP DRAWING SUBMITTALS SHALL CONFORM TO VTRANS STD. SPECS.
- ALL POLE MOUNTED AND MAST ARM MOUNTED SIGNAL HEADS SHALL HAVE POLYCARBONATE SECTIONS AND LENSES. THE SIGNAL HEADS SHALL HAVE FLAT BLACK HOUSINGS AND VISORS. BLACK LOUVERED BACKPLATES SHALL BE INSTALLED ON ALL HEADS UNLESS OTHERWISE NOTED. ALL NEW SIGNAL HEADS SHALL BE 12" LED.
- MINIMUM CONDUIT SIZES SHALL BE:
 - A) 2.0 INCHES FOR POWER SERVICE
 - B) 2.0 INCHES FOR SIGNAL WIRING
 - C) 2.0 INCHES FOR STREET LIGHTING
 - D) 1.5 INCHES FOR LOOP LEAD-INS
 - E) 2 INCHES FOR INTERCONNECT WIRING
- NEW PEDESTRIAN SIGNALS SHALL BE ACCESSIBLE PEDESTRIAN SIGNALS AS DEFINED IN THE VTRANS SPECIFICATIONS. PEDESTRIAN INSTRUCTION SIGNS SHALL BE INCLUDED AT ALL PEDESTRIAN PUSH BUTTON LOCATIONS (SEE DETAIL ON THIS SHEET). PEDESTRIAN HEADS SHALL HAVE BLACK HOUSINGS AND SYMBOL TYPE FACES.

LOOP NOTES:

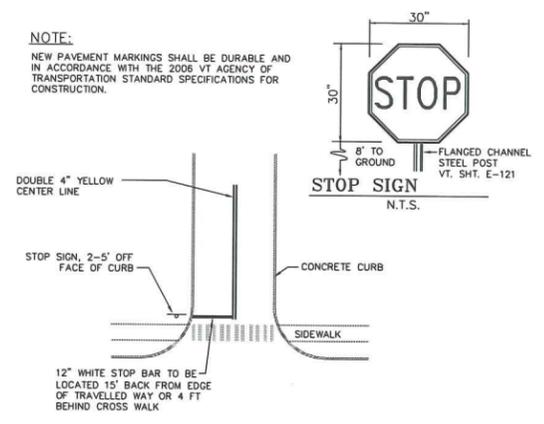
- EACH LOOP SHALL HAVE ITS OWN AMPLIFIER.
- ALL LOOPS AND LEAD IN WIRING SHALL BE #12 AWG.

FIRE PREEMPTION:

- THE EMERGENCY PREEMPTION SYSTEM SHALL BE A STROBECOM II 2140 SYSTEM, MANUFACTURED BY TOMAR ELECTRONICS, INC. OR APPROVED EQUAL, OPERATING IN THE ENCODED MODE.
- THE EMERGENCY PREEMPTION SYSTEM SHALL INCLUDE ALL NECESSARY INTERFACE BOARDS, WIRING, DETECTORS, AND CONFIRMATION LIGHTS.
- EMITTERS AND OTHER VEHICLES MOUNTED EQUIPMENT TO BE PURCHASED SEPARATELY BY THE TOWN.

THE CONTRACTOR SHALL NOTIFY "DIGSAFE" AT 1-888-DIG-SAFE PRIOR TO ANY EXCAVATION.

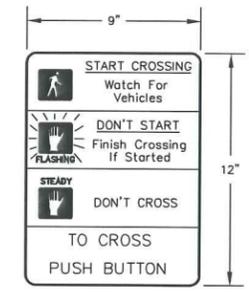
NOTE:
NEW PAVEMENT MARKINGS SHALL BE DURABLE AND IN ACCORDANCE WITH THE 2006 VT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION.



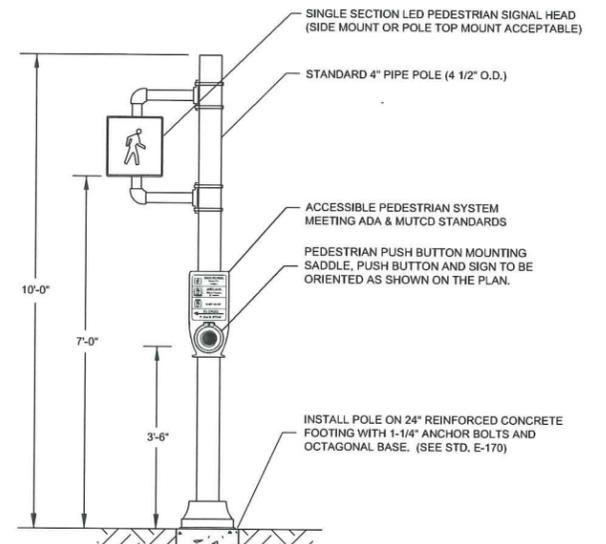
INTERSECTION CONSTRUCTION DETAIL 'A'
NTS



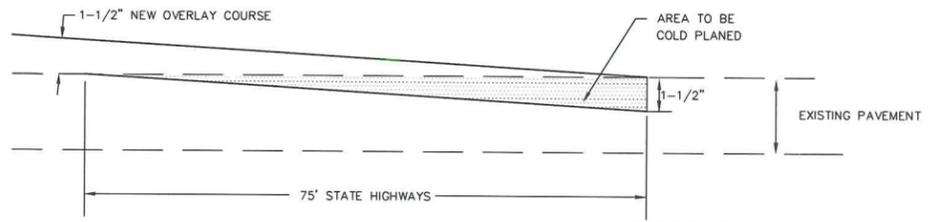
ACCESSIBLE PEDESTRIAN SIGNAL (APS) SYSTEM DETAIL
NTS



PEDESTRIAN INSTRUCTION SIGN DETAIL
NTS



PEDESTAL POLE
NTS



COLD PLANE SECTION
NTS

RECEIVED
OCT 07 2011
PLANNING/ZONING

Ken Belbin Nov 10, 2011

10-1-07	EDIT AS PER VTRANS REVIEW	PLC
REVISIONS		
THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:		# OF SHEETS
<input type="checkbox"/>	SKETCH/CONCEPT	
<input type="checkbox"/>	PRELIMINARY	
<input checked="" type="checkbox"/>	FINAL	
<input type="checkbox"/>	RECORD DRAWING	
FINNEY CROSSING A PLANNED UNIT DEVELOPMENT WILLISTON, VERMONT		proj. no. 01-087 survey L&D design PLC/RJD drawn DB/PLC checked RJD/ABR date 11/30/05 scale
STOP SIGN LOCATION PLAN INTERSECTION IMPROVEMENT DETAILS		AS SHOWN sht. no. 20A
LAMOUREUX & DICKINSON Consulting Engineers, Inc. 14 Morse Drive Essex Junction, VT 05452 (802) 878-4450		01087-phase2-20

FINAL PLANS