"SAFE ROUTES TO SCHOOL"

PROJECT #15991 FEDERAL PROJECT #X-A001(065)
GRANITE STREET SIDEWALK CONSTRUCTION
FROM RITE AID TO PARKWOOD DRIVE
Allenstown, New Hampshire, Merrimack County

OCTOBER 7, 2014

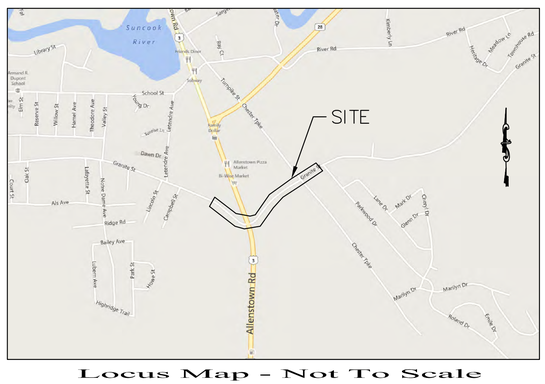
REVISED: DECEMBER 1, 2014

REVISED: JANUARY 26, 2015

Client: Town of Allenstown
16 School Street
Allenstown, NH 03275

Civil Engineer: Haight Engineering, PLLC
181 Watson Road
P.O. Box 1166
Dover, NH 03820

Surveyor: David Vincent Land Surveying Services
181 Watson Road
Dover, NH 03820



Locus Map - Not To Scale

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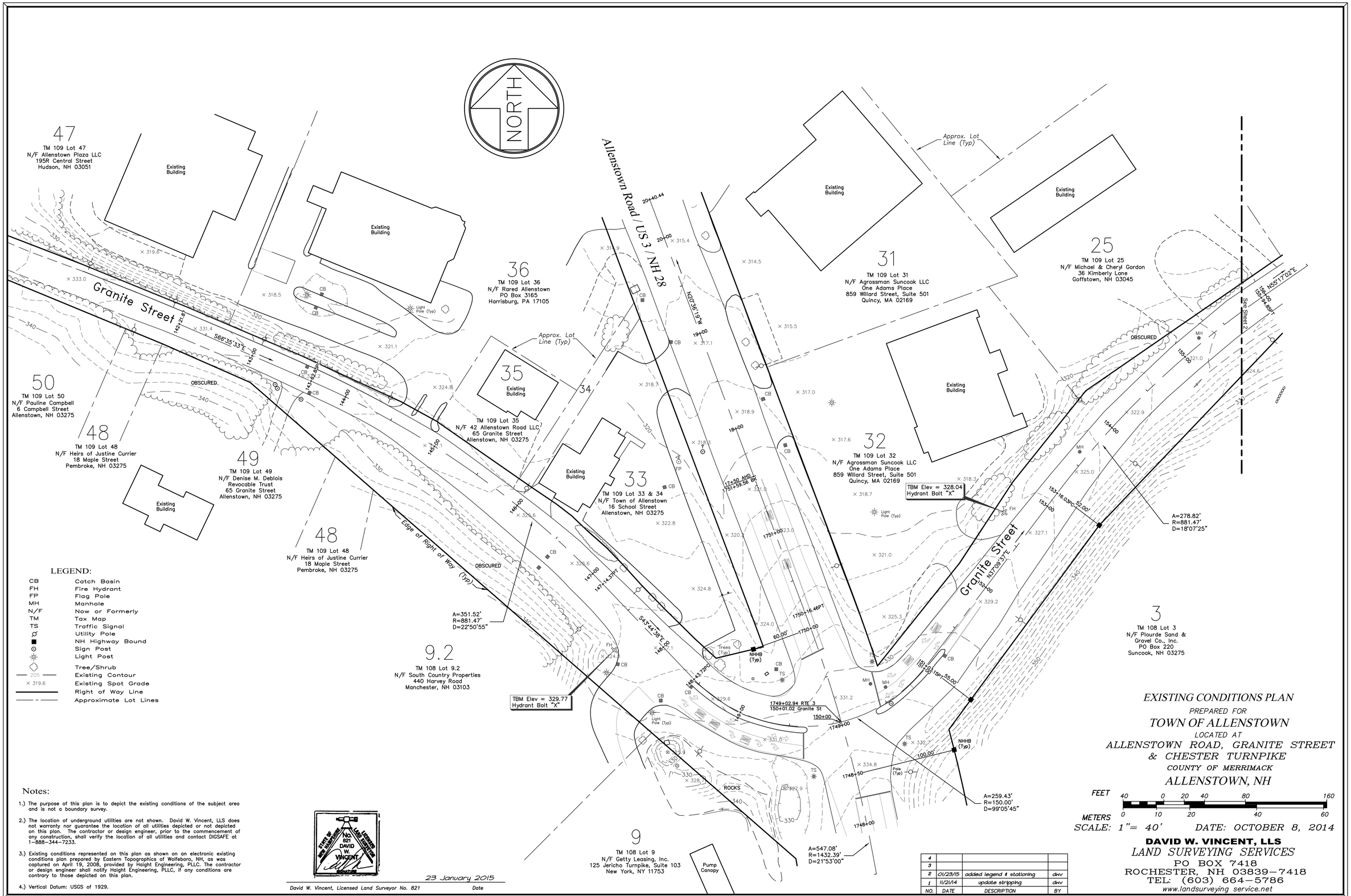
0928-SITE.DWG



Notes:

1.) The purpose of this plan is to depict the existing conditions of the subject area and is not a boundary survey.

2.) The location of underground utilities are not shown. David W. Vincent, LLS does not warranty nor guarantee the location of all utilities depicted or not depicted on this plan. The contractor or design engineer, prior to the commencement of any construction, shall verify the location of all utilities and contact DIGSAFE at 1-888-344-7233.

3.) Existing conditions represented on this plan as shown on an electronic existing conditions plan prepared by Eastern Topographics of Wolfeboro, NH, as was captured on April 19, 2008, provided by Haight Engineering, PLLC. The contractor or design engineer shall notify Haight Engineering, PLLC, if any conditions are contrary to those depicted on this plan.

4.) Vertical Datum: USGS of 1929.

STATE OF NEW HAMPSHIRE No. 821 DAVID W. VINCENT LICENSED LAND SURVEYOR SIGNATURE

23 January 2015

David W. Vincent, Licensed Land Surveyor No. 821 — Date

NO.	DATE	DESCRIPTION	BY
4			
3			
2	01/23/15	added legend & stationing	dwv
1	11/21/14	update stripping	dwv

EXISTING CONDITIONS PLAN
PREPARED FOR
TOWN OF ALLENSTOWN
LOCATED AT
ALLENSTOWN ROAD, GRANITE STREET & CHESTER TURNPIKE
COUNTY OF MERRIMACK
ALLENSTOWN, NH

FEET 40 0 20 40 80 160
METERS 0 10 20 40 60

SCALE: 1"= 40' DATE: OCTOBER 8, 2014

DAVID W. VINCENT, LLS
LAND SURVEYING SERVICES
PO BOX 7418
ROCHESTER, NH 03839-7418
TEL: (603) 664-5786
www.landsurveying service.net

DWG NAME: 028xcon2014_1 | FB: DC

LEGEND:

CB	Catch Basin
FH	Fire Hydrant
FP	Flag Pole
MH	Manhole
N/F	Now or Formerly
TM	Tax Map
TS	Traffic Signal
	Utility Pole
	NH Highway Bound
	Sewer Manhole
	Water Gate
	Tree/Shrub
205	Existing Contour
× 319.6	Existing Spot Grade
	Right of Way Line
	Approximate Lot Lines

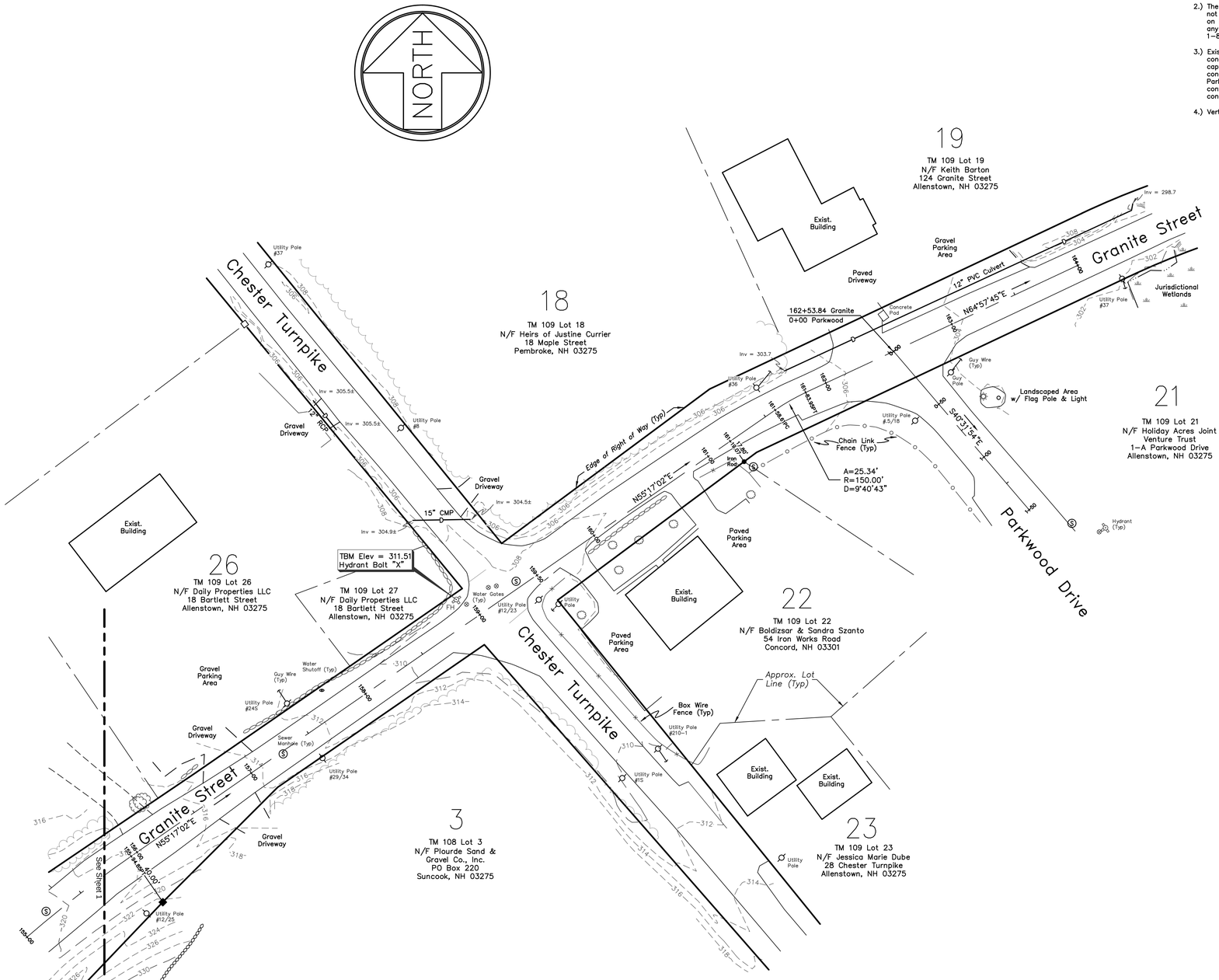
Notes:

1.) The purpose of this plan is to depict the existing conditions of the subject area and is not a boundary survey.

2.) The location of underground utilities are not shown. David W. Vincent, LLS does not warranty nor guarantee the location of all utilities depicted or not depicted on this plan. The contractor or design engineer, prior to the commencement of any construction, shall verify the location of all utilities and contact DIGSAFE at 1-888-344-7233 OR DIAL 811.

3.) Existing conditions represented on this plan as shown on an electronic existing conditions plan prepared by Eastern Topographics of Wolfeboro, NH, as was captured on April 19, 2008, provided by Haight Engineering, PLLC. The existing conditions shown between the southwest corner of Lot 26 and the entrance to Parkwood Drive was field located between April 10, 2014 and June 12, 2014. The contractor or design engineer shall notify Haight Engineering, PLLC, if any conditions are contrary to those depicted on this plan.

4.) Vertical Datum: USGS of 1929.



EXISTING CONDITIONS PLAN

PREPARED FOR

TOWN OF ALLENSTOWN

LOCATED AT

ALLENSTOWN ROAD, GRANITE STREET & CHESTER TURNPIKE

COUNTY OF MERRIMACK

ALLENSTOWN, NH

FEET 40 0 20 40 80 160

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DAVID W. VINCENT, LLS

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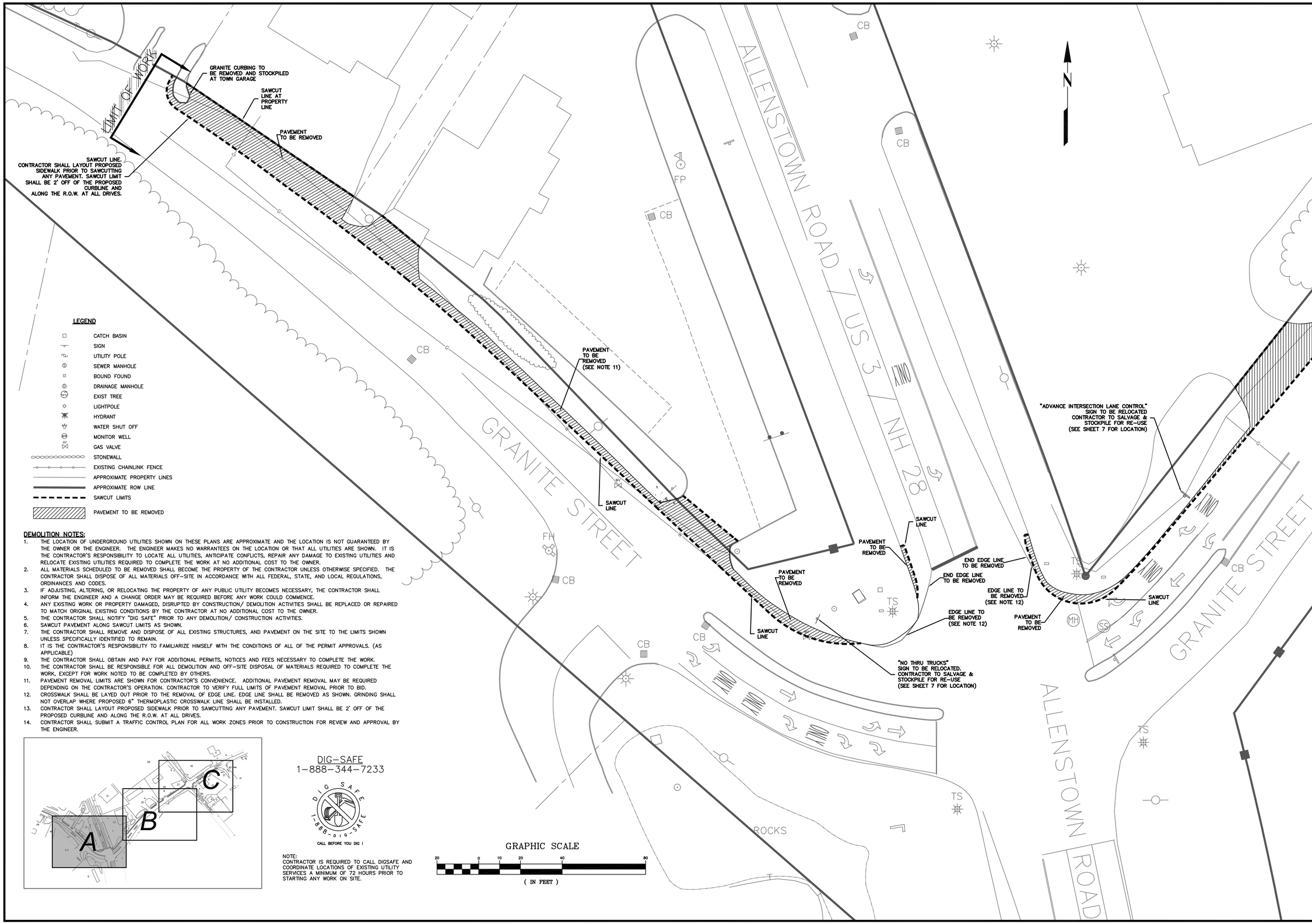
STATE OF NEW HAMPSHIRE No. 821 DAVID W. VINCENT LICENSED LAND SURVEYOR

23 January 2015

David W. Vincent, Licensed Land Surveyor No. 821 Date

NO.	DATE	DESCRIPTION	BY
4			
3			
2	01/23/15	added legend & stationing	dwv
1	11/21/14	update stripping	dwv

DWG NAME: 028xcon2014_2 | FB: DC



LEGEND

- CATCH BASIN
- SIGN
- UTILITY POLE
- SEWER MANHOLE
- BOUND FOUND
- DRAINAGE MANHOLE
- EXIST TREE
- LIGHTPOLE
- HYDRANT
- WATER SHUT OFF
- MONITOR WELL
- GAS VALVE
- STONEWALL
- EXISTING CHAINLINK FENCE
- APPROXIMATE PROPERTY LINES
- APPROXIMATE ROW LINE
- SAWCUT LIMITS
- PAVEMENT TO BE REMOVED

DEMOLITION NOTES:

1. THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND THE LOCATION IS NOT GUARANTEED BY THE OWNER OR THE ENGINEER. THE ENGINEER MAKES NO WARRANTEES ON THE LOCATION OR THAT ALL UTILITIES ARE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR ANY DAMAGE TO EXISTING UTILITIES AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE OWNER.
2. ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIALS OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES AND CODES.
3. IF ADJUSTING, ALTERING, OR RELOCATING THE PROPERTY OF ANY PUBLIC UTILITY BECOMES NECESSARY, THE CONTRACTOR SHALL INFORM THE ENGINEER AND A CHANGE ORDER MAY BE REQUIRED BEFORE ANY WORK COULD COMMENCE.
4. ANY EXISTING WORK OR PROPERTY DAMAGED, DISRUPTED BY CONSTRUCTION/ DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED TO MATCH ORIGINAL EXISTING CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL NOTIFY "DIG SAFE" PRIOR TO ANY DEMOLITION/ CONSTRUCTION ACTIVITIES.
6. SAWCUT PAVEMENT ALONG SAWCUT LIMITS AS SHOWN.
7. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, AND PAVEMENT ON THE SITE TO THE LIMITS SHOWN UNLESS SPECIFICALLY IDENTIFIED TO REMAIN.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE CONDITIONS OF ALL OF THE PERMIT APPROVALS. (AS APPLICABLE)
9. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND OFF-SITE DISPOSAL OF MATERIALS REQUIRED TO COMPLETE THE WORK, EXCEPT FOR WORK NOTED TO BE COMPLETED BY OTHERS.
11. PAVEMENT REMOVAL LIMITS ARE SHOWN FOR CONTRACTOR'S CONVENIENCE. ADDITIONAL PAVEMENT REMOVAL MAY BE REQUIRED DEPENDING ON THE CONTRACTOR'S OPERATION. CONTRACTOR TO VERIFY FULL LIMITS OF PAVEMENT REMOVAL PRIOR TO BID.
12. CROSSWALK SHALL BE LAYED OUT PRIOR TO THE REMOVAL OF EDGE LINE. EDGE LINE SHALL BE REMOVED AS SHOWN. GRINDING SHALL NOT OVERLAP WHERE PROPOSED 6" THERMOPLASTIC CROSSWALK LINE SHALL BE INSTALLED.
13. CONTRACTOR SHALL LAYOUT PROPOSED SIDEWALK PRIOR TO SAWCUTTING ANY PAVEMENT. SAWCUT LIMIT SHALL BE 2' OFF OF THE PROPOSED CURBLINE AND ALONG THE R.O.W. AT ALL DRIVES.
14. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR ALL WORK ZONES PRIOR TO CONSTRUCTION FOR REVIEW AND APPROVAL BY THE ENGINEER.

DIG-SAFE
1-888-344-7233

CALL BEFORE YOU DIG !

NOTE:
CONTRACTOR IS REQUIRED TO CALL DIGSAFE AND COORDINATE LOCATIONS OF EXISTING UTILITY SERVICES A MINIMUM OF 72 HOURS PRIOR TO STARTING ANY WORK ON SITE.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

HAIGHT ENGINEERING, PLLC
CIVIL ENGINEERS
P.O. BOX 1166, 181 WATSON ROAD
DOVER, NEW HAMPSHIRE
603.750.4266. FAX 603.749.7348

NO.	REVISION	APP'D	DATE
1	NHDOT PRELIMINARY DESIGN COMMENTS	KMT	12/1/2014
2	FINAL DESIGN REVIEW	KMT	1/26/2015

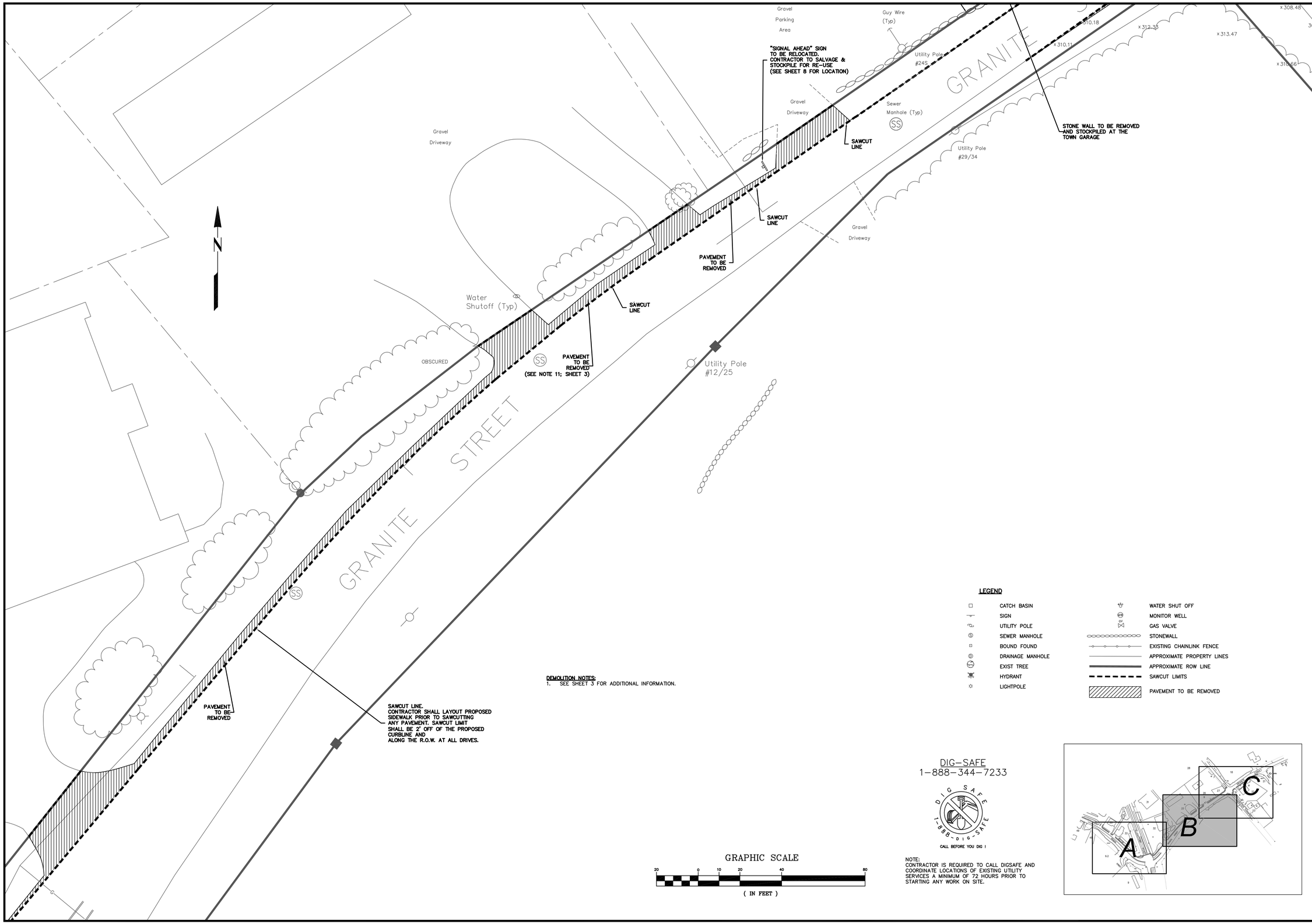
DESIGN BY: SRD
DRAWN BY: SRD
APPROVED BY: SJH
PROJECT NO: 0928
FILE: SITE.DWG
SCALE: 1"=20'
DATE: 10-7-14

STATE OF NEW HAMPSHIRE
STEPHEN J. HAIGHT
No. 7978
LICENSED
PROFESSIONAL ENGINEER
11/24/15

TOWN OF ALLENSTOWN
16 SCHOOL STREET
ALLENSTOWN, NH 03275

SRTS PROJECT #16991
FEDERAL PROJECT #X-A001(065)
GRANITE STREET SIDEWALK CONSTRUCTION
FROM RITE-AID TO PARKWOOD DRIVE
ALLENSTOWN, NH 03275
MERRIMACK COUNTY

DEMOLITION PLAN - A



DEMOLITION NOTES:
1. SEE SHEET 3 FOR ADDITIONAL INFORMATION.

LEGEND

CATCH BASIN	WATER SHUT OFF
SIGN	MONITOR WELL
UTILITY POLE	GAS VALVE
SEWER MANHOLE	STONEWALL
BOUND FOUND	EXISTING CHAINLINK FENCE
DRAINAGE MANHOLE	APPROXIMATE PROPERTY LINES
EXIST TREE	APPROXIMATE ROW LINE
HYDRANT	SAWCUT LIMITS
LIGHTPOLE	PAVEMENT TO BE REMOVED

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

DIG-SAFE
1-888-344-7233

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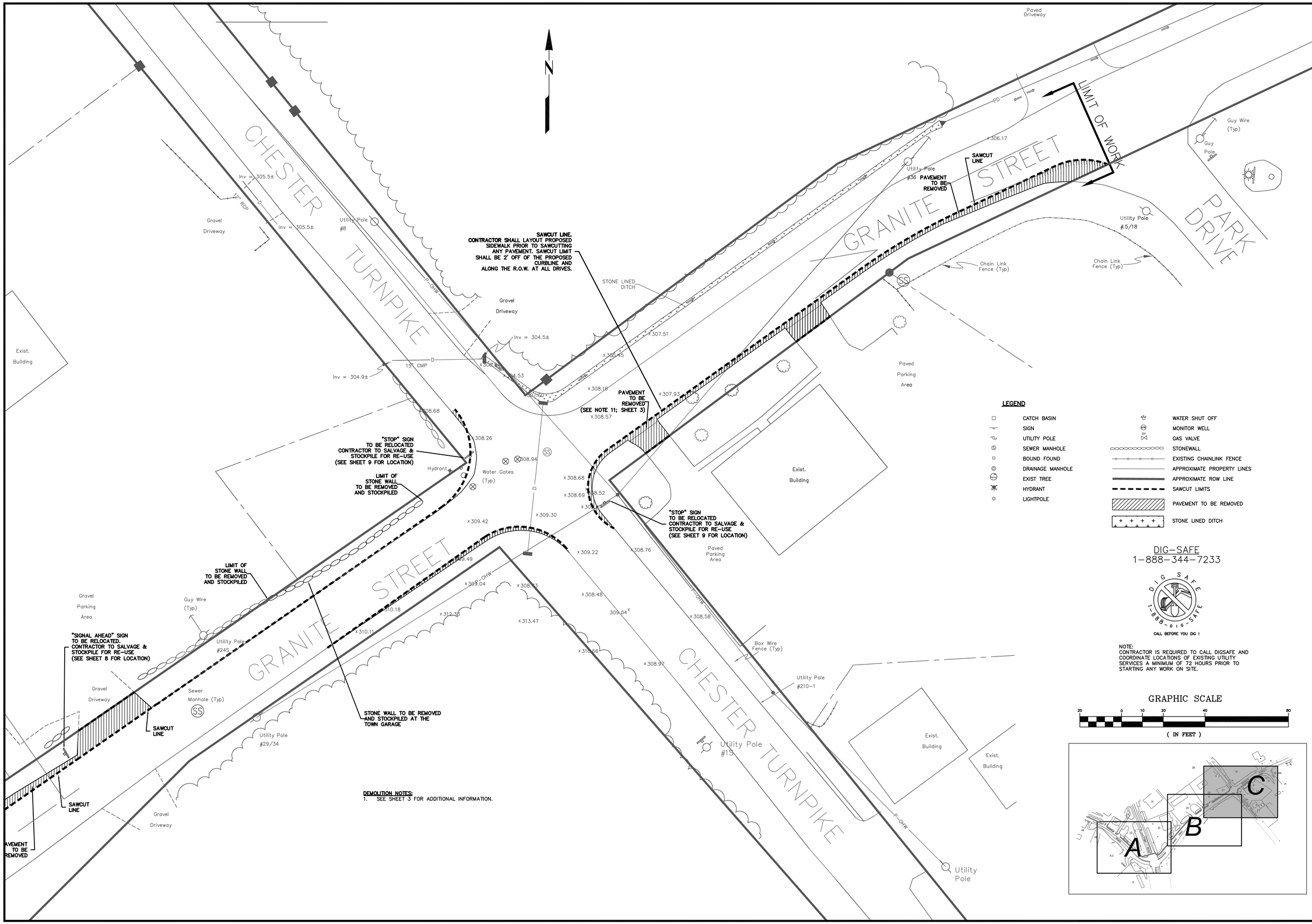
APPROVED BY: SJH
PROJECT NO: 0928
FILE: SITE.DWG
DATE: 10-7-14
SCALE: 1"=20'

STATE OF NEW HAMPSHIRE
STEPHEN J. HAIGHT
No. 7978
LICENSED PROFESSIONAL ENGINEER
1/26/15

DEMOLITION PLAN - B

TOWN OF ALLENSTOWN
16 SCHOOL STREET
ALLENSTOWN, NH 03275

SRTS PROJECT #15991
FEDERAL PROJECT #X-A001(065)
GRANITE STREET SIDEWALK CONSTRUCTION
FROM RTE-A1D TO PARKWOOD DRIVE
ALLENSTOWN, NH 03275
MERRIMACK COUNTY



DEMOLITION NOTES:
1. SEE SHEET 3 FOR ADDITIONAL INFORMATION.

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APPROVED BY: SJH
PROJECT NO: 0928
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DATE: 10-7-14
SCALE: 1"=20'

STATE OF NEW HAMPSHIRE
STEPHEN J. HAIGHT
No. 7978
LICENSED PROFESSIONAL ENGINEER
11/4/15

TOWN OF ALLENSTOWN
16 SCHOOL STREET
ALLENSTOWN, NH 03275

SRTS PROJECT #15991
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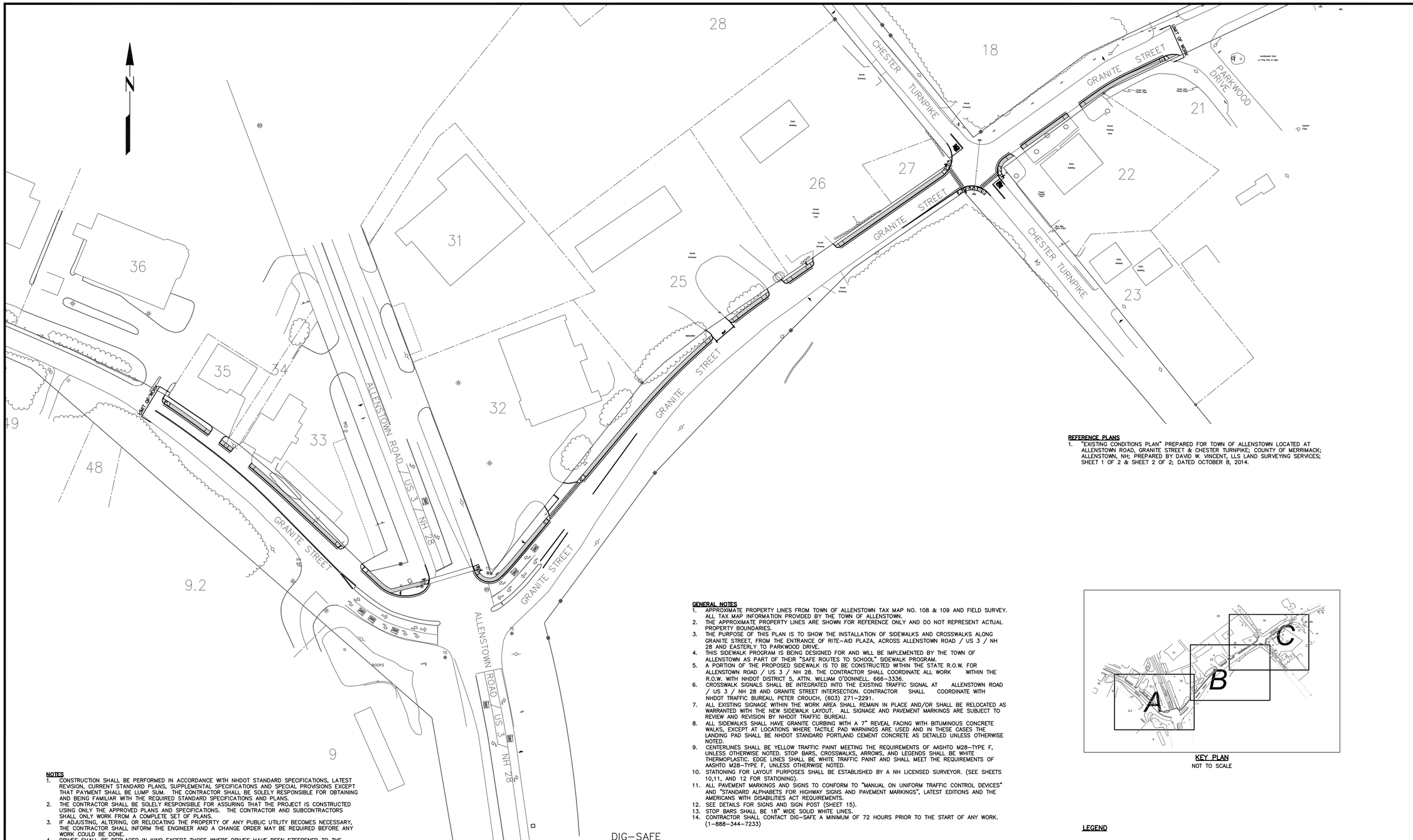
GRANITE STREET SIDEWALK CONSTRUCTION
FROM RTE-A1D TO PARKWOOD DRIVE
ALLENSTOWN, NH 03275
MERRIMACK COUNTY

DEMOLITION PLAN – C



REFERENCE PLANS

1. "EXISTING CONDITIONS PLAN" PREPARED FOR TOWN OF ALLENSTOWN LOCATED AT ALLENSTOWN ROAD, GRANITE STREET & CHESTER TURNPIKE; COUNTY OF MERRIMACK; ALLENSTOWN, NH; PREPARED BY DAVID W. VINCENT, LLS LAND SURVEYING SERVICES; SHEET 1 OF 2 & SHEET 2 OF 2; DATED OCTOBER 8, 2014.

GENERAL NOTES

1. APPROXIMATE PROPERTY LINES FROM TOWN OF ALLENSTOWN TAX MAP NO. 108 & 109 AND FIELD SURVEY. ALL TAX MAP INFORMATION PROVIDED BY THE TOWN OF ALLENSTOWN.
2. THE APPROXIMATE PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY AND DO NOT REPRESENT ACTUAL PROPERTY BOUNDARIES.
3. THE PURPOSE OF THIS PLAN IS TO SHOW THE INSTALLATION OF SIDEWALKS AND CROSSWALKS ALONG GRANITE STREET, FROM THE ENTRANCE OF RITE-AID PLAZA, ACROSS ALLENSTOWN ROAD / US 3 / NH 28 AND EASTERLY TO PARKWOOD DRIVE.
4. THIS SIDEWALK PROGRAM IS BEING DESIGNED FOR AND WILL BE IMPLEMENTED BY THE TOWN OF ALLENSTOWN AS PART OF THEIR "SAFE ROUTES TO SCHOOL" SIDEWALK PROGRAM.
5. A PORTION OF THE PROPOSED SIDEWALK IS TO BE CONSTRUCTED WITHIN THE STATE R.O.W. FOR ALLENSTOWN ROAD / US 3 / NH 28. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE R.O.W. WITH NHDOT DISTRICT 5, ATTN. WILLIAM O'DONNELL. 666-3336.
6. CROSSWALK SIGNALS SHALL BE INTEGRATED INTO THE EXISTING TRAFFIC SIGNAL AT ALLENSTOWN ROAD / US 3 / NH 28 AND GRANITE STREET INTERSECTION. CONTRACTOR SHALL COORDINATE WITH NHDOT TRAFFIC BUREAU, PETER CROUCH, (603) 271-2291.
7. ALL EXISTING SIGNAGE WITHIN THE WORK AREA SHALL REMAIN IN PLACE AND/OR SHALL BE RELOCATED AS WARRANTED WITH THE NEW SIDEWALK LAYOUT. ALL SIGNAGE AND PAVEMENT MARKINGS ARE SUBJECT TO REVIEW AND REVISION BY NHDOT TRAFFIC BUREAU.
8. ALL SIDEWALKS SHALL HAVE GRANITE CURBING WITH A 7" REVEAL FACING WITH BITUMINOUS CONCRETE WALKS, EXCEPT AT LOCATIONS WHERE TACTILE PAD WARNINGS ARE USED AND IN THESE CASES THE LANDING PAD SHALL BE NHDOT STANDARD PORTLAND CEMENT CONCRETE AS DETAILED UNLESS OTHERWISE NOTED.
9. CENTERLINES SHALL BE YELLOW TRAFFIC PAINT MEETING THE REQUIREMENTS OF AASHTO M28-TYPE F, UNLESS OTHERWISE NOTED. STOP BARS, CROSSWALKS, ARROWS, AND LEGENDS SHALL BE WHITE THERMOPLASTIC. EDGE LINES SHALL BE WHITE TRAFFIC PAINT AND SHALL MEET THE REQUIREMENTS OF AASHTO M28-TYPE F, UNLESS OTHERWISE NOTED.
10. STATIONING FOR LAYOUT PURPOSES SHALL BE ESTABLISHED BY A NH LICENSED SURVEYOR. (SEE SHEETS 10,11, AND 12 FOR STATIONING).
11. ALL PAVEMENT MARKINGS AND SIGNS TO CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS", LATEST EDITIONS AND THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS.
12. SEE DETAILS FOR SIGNS AND SIGN POST (SHEET 15).
13. STOP BARS SHALL BE 18" WIDE SOLID WHITE LINES.
14. CONTRACTOR SHALL CONTACT DIG-SAFE A MINIMUM OF 72 HOURS PRIOR TO THE START OF ANY WORK. (1-888-344-7233)

NOTES

1. CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS, LATEST REVISION, CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS EXCEPT THAT PAYMENT SHALL BE LUMP SUM. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING AND BEING FAMILIAR WITH THE REQUIRED STANDARD SPECIFICATIONS AND PLANS.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ASSURING THAT THE PROJECT IS CONSTRUCTED USING ONLY THE APPROVED PLANS AND SPECIFICATIONS. THE CONTRACTOR AND SUBCONTRACTORS SHALL ONLY WORK FROM A COMPLETE SET OF PLANS.
3. IF ADJUSTING, ALTERING, OR RELOCATING THE PROPERTY OF ANY PUBLIC UTILITY BECOMES NECESSARY, THE CONTRACTOR SHALL INFORM THE ENGINEER AND A CHANGE ORDER MAY BE REQUIRED BEFORE ANY WORK COULD BE DONE.
4. DRIVES SHALL BE REPLACED IN KIND EXCEPT THOSE WHERE DRIVES HAVE BEEN STEEPENED TO THE EXTENT THAT A MORE STABLE SURFACE IS WARRANTED. ALL GRAVEL DRIVES SHALL BE CONSTRUCTED WITH A 5' PAVED APRON ADJACENT TO THE SHOULDER.
5. THE CONTRACTOR SHALL ADJUST ALL CATCH BASINS, DROP INLETS AND FRAMES AND GRATES/COVERS AS NEEDED TO MATCH THE NEW PAVEMENT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ENGINEER TO GRADE THE SHOULDERS TO DRAIN. CURB LINE RUNOFF SHALL NOT BE ALLOWED TO PUDDLE OR RUN INTO DRIVEWAYS AND ONTO PRIVATE PROPERTY. A 2" PAVED LIP SHALL BE CONSTRUCTED ACROSS ALL DRIVES AT THE CURB LINE TO MAINTAIN RUNOFF FLOW IN THE ROADWAY.
7. ALL WORK ON THIS PROJECT UNLESS OTHERWISE SHOWN ON THE PLANS OR ORDERED BY THE TOWN SHALL BE CONSTRUCTED WITHIN THE EXISTING ROW.
8. NO EXISTING MONUMENTS, BOUNDS, BENCHMARKS OR OTHER MARKERS SHALL BE DISTURBED. RESTORATION OF DISTURBED ITEMS SHALL BE AT THE CONTRACTOR'S EXPENSE AND AT NO ADDITIONAL COST TO THE OWNER.
9. ALL PAVEMENT CUT LINES SHALL BE SAWCUT NEAT, CLEAN AND STRAIGHT. ALL VERTICAL , DIAGONAL AND/OR HORIZONTAL PAVED SURFACES SHALL RECEIVE A LIBERAL BITUMINOUS TACK COAT IMMEDIATELY BEFORE NEW HOT BITUMINOUS PAVEMENT IS PLACED.
10. ADJUST ALL CATCH BASIN FRAMES AND GRATES AND CURB BOXES ETC... TO FINISH GRADE AS REQUIRED.

DIG-SAFE
1-888-344-7233

CALL BEFORE YOU DIG !

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GRAPHIC SCALE

60 0 30 60 120 240

(IN FEET)

KEY PLAN
NOT TO SCALE

LEGEND

□	CATCH BASIN		WATER SHUT OFF
	SIGN	MW	MONITOR WELL
	UTILITY POLE		GAS VALVE
S	SEWER MANHOLE		STONEWALL
	BOUND FOUND		EXISTING CHAINLINK FENCE
D	DRAINAGE MANHOLE		APPROXIMATE PROPERTY LINES
	EXISTING TREE		
	HYDRANT		
	LIGHTPOLE		

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NO.	REVISION	APP'D	DATE
1	NHDOT PRELIMINARY DESIGN COMMENTS	KMT	12/1/2014
2	FINAL DESIGN REVIEW	KMT	1/26/2015

DESIGN BY: SRD
APPROVED BY: SJH
DRAWN BY: SRD
PROJECT NO: 0928
FILE: SITE.DWG
DATE: 10-7-14
SCALE: 1"=60'

STATE OF NEW HAMPSHIRE
STEPHEN J. HAIGHT
No. 7978
LICENSED
PROFESSIONAL ENGINEER

TOWN OF ALLENSTOWN
16 SCHOOL STREET
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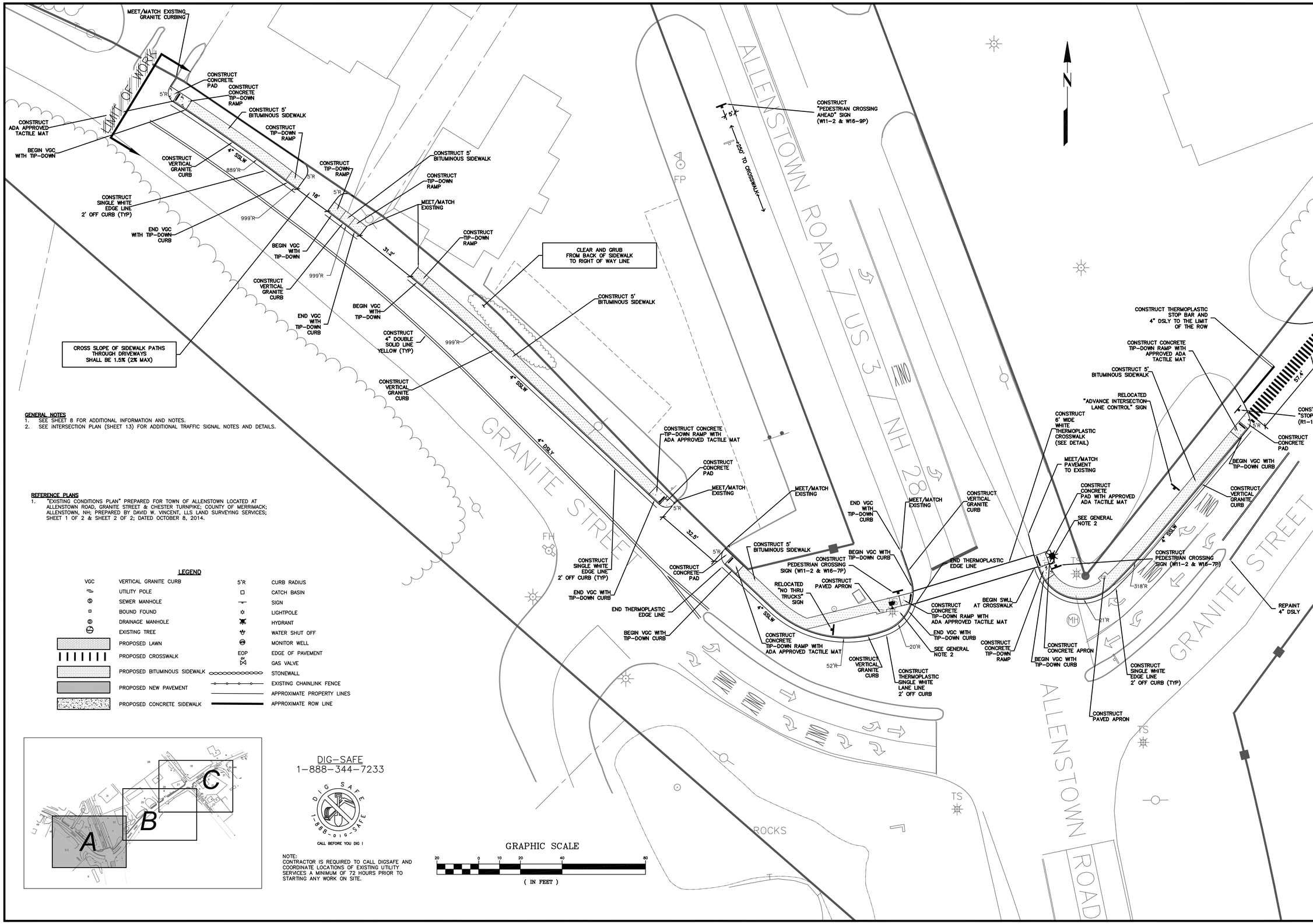
MERRIMACK COUNTY

OVERALL SITE PLAN



GENERAL NOTES

1. SEE SHEET 8 FOR ADDITIONAL INFORMATION AND NOTES.
2. SEE INTERSECTION PLAN (SHEET 13) FOR ADDITIONAL TRAFFIC SIGNAL NOTES AND DETAILS.

REFERENCE PLANS

1. "EXISTING CONDITIONS PLAN" PREPARED FOR TOWN OF ALLENSTOWN LOCATED AT ALLENSTOWN ROAD, GRANITE STREET & CHESTER TURNPIKE; COUNTY OF MERRIMACK; ALLENSTOWN, NH; PREPARED BY DAVID W. VINCENT, LLS LAND SURVEYING SERVICES; SHEET 1 OF 2 & SHEET 2 OF 2; DATED OCTOBER 8, 2014.

LEGEND

VGC	VERTICAL GRANITE CURB	5'R	CURB RADIUS
	UTILITY POLE		CATCH BASIN
	SEWER MANHOLE		SIGN
	BOUND FOUND		LIGHTPOLE
	DRAINAGE MANHOLE		HYDRANT
	EXISTING TREE		WATER SHUT OFF
	PROPOSED LAWN		MONITOR WELL
	PROPOSED CROSSWALK	EOP	EDGE OF PAVEMENT
		GV	GAS VALVE
	PROPOSED BITUMINOUS SIDEWALK		STONEWALL
	PROPOSED NEW PAVEMENT		EXISTING CHAINLINK FENCE
			APPROXIMATE PROPERTY LINES
	PROPOSED CONCRETE SIDEWALK		APPROXIMATE ROW LINE

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GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

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DATE: 10-7-14
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DESIGN BY: SRD
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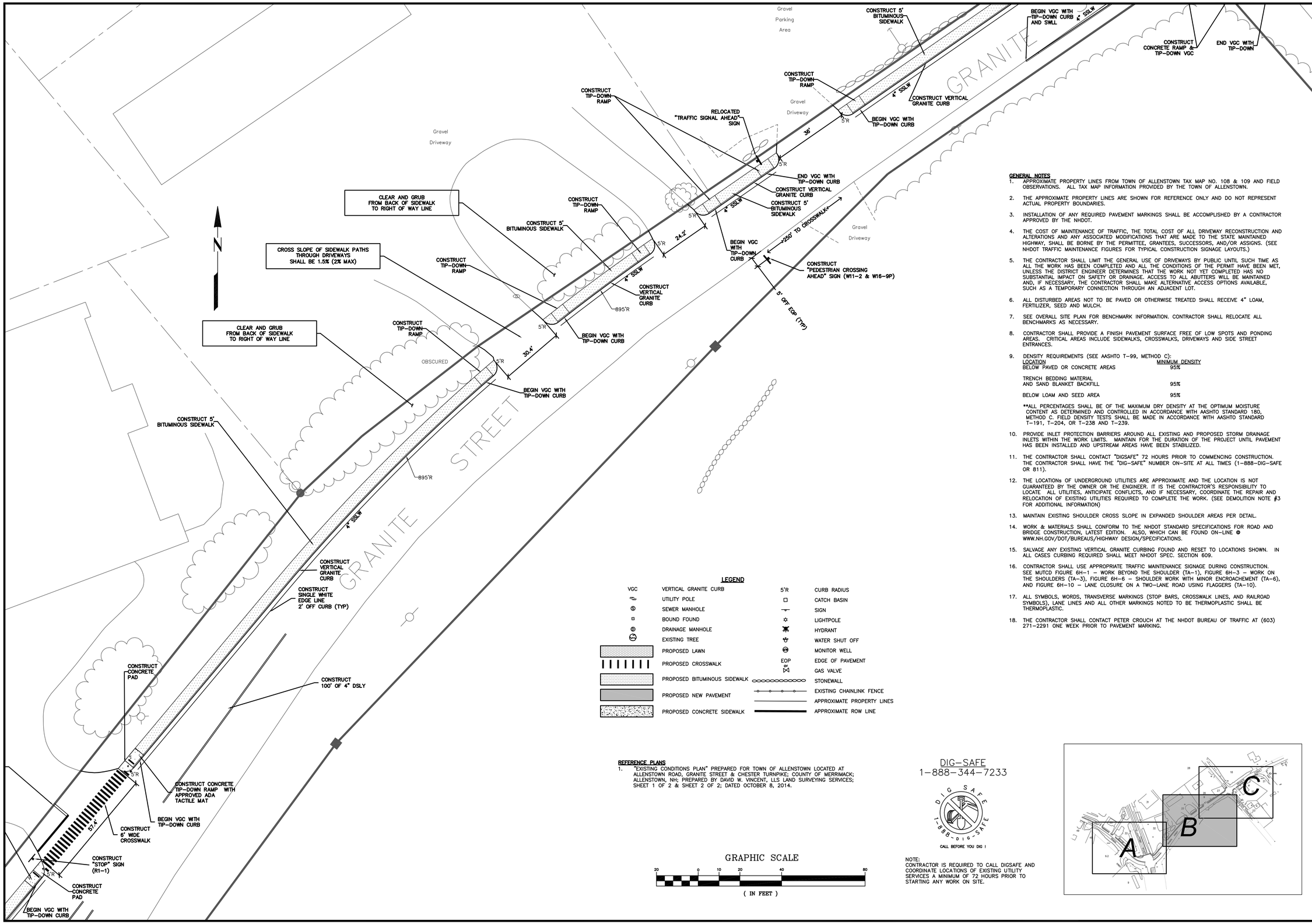
STATE OF NEW HAMPSHIRE
STEPHEN J. HAIGHT
No. 7978
LICENSED
PROFESSIONAL ENGINEER
1/26/15

TOWN OF ALLENSTOWN
16 SCHOOL STREET
ALLENSTOWN, NH 03275

SITE PLAN - A

SRTS PROJECT #15991
FEDERAL PROJECT #X-A001(065)
GRANITE STREET SIDEWALK CONSTRUCTION
FROM RITE-AID TO PARKWOOD DRIVE
ALLENSTOWN, NH 03275
MERRIMACK COUNTY



GENERAL NOTES

1. APPROXIMATE PROPERTY LINES FROM TOWN OF ALLENSTOWN TAX MAP NO. 108 & 109 AND FIELD OBSERVATIONS. ALL TAX MAP INFORMATION PROVIDED BY THE TOWN OF ALLENSTOWN.
2. THE APPROXIMATE PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY AND DO NOT REPRESENT ACTUAL PROPERTY BOUNDARIES.
3. INSTALLATION OF ANY REQUIRED PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A CONTRACTOR APPROVED BY THE NHDOT.
4. THE COST OF MAINTENANCE OF TRAFFIC, THE TOTAL COST OF ALL DRIVEWAY RECONSTRUCTION AND ALTERATIONS AND ANY ASSOCIATED MODIFICATIONS THAT ARE MADE TO THE STATE MAINTAINED HIGHWAY, SHALL BE BORNE BY THE PERMITTEE, GRANTEES, SUCCESSORS, AND/OR ASSIGNS. (SEE NHDOT TRAFFIC MAINTENANCE FIGURES FOR TYPICAL CONSTRUCTION SIGNAGE LAYOUTS.)
5. THE CONTRACTOR SHALL LIMIT THE GENERAL USE OF DRIVEWAYS BY PUBLIC UNTIL SUCH TIME AS ALL THE WORK HAS BEEN COMPLETED AND ALL THE CONDITIONS OF THE PERMIT HAVE BEEN MET, UNLESS THE DISTRICT ENGINEER DETERMINES THAT THE WORK NOT YET COMPLETED HAS NO SUBSTANTIAL IMPACT ON SAFETY OR DRAINAGE. ACCESS TO ALL ABUTTERS WILL BE MAINTAINED AND, IF NECESSARY, THE CONTRACTOR SHALL MAKE ALTERNATIVE ACCESS OPTIONS AVAILABLE, SUCH AS A TEMPORARY CONNECTION THROUGH AN ADJACENT LOT.
6. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 4" LOAM, FERTILIZER, SEED AND MULCH.
7. SEE OVERALL SITE PLAN FOR BENCHMARK INFORMATION. CONTRACTOR SHALL RELOCATE ALL BENCHMARKS AS NECESSARY.
8. CONTRACTOR SHALL PROVIDE A FINISH PAVEMENT SURFACE FREE OF LOW SPOTS AND PONDING AREAS. CRITICAL AREAS INCLUDE SIDEWALKS, CROSSWALKS, DRIVEWAYS AND SIDE STREET ENTRANCES.
9. DENSITY REQUIREMENTS (SEE AASHTO T-99, METHOD C):

LOCATION	MINIMUM DENSITY
BELOW PAVED OR CONCRETE AREAS	95%
TRENCH BEDDING MATERIAL AND SAND BLANKET BACKFILL	95%
BELOW LOAM AND SEED AREA	95%

**ALL PERCENTAGES SHALL BE OF THE MAXIMUM DRY DENSITY AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH AASHTO STANDARD 180, METHOD C. FIELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH AASHTO STANDARD T-191, T-204, OR T-238 AND T-239.

10. PROVIDE INLET PROTECTION BARRIERS AROUND ALL EXISTING AND PROPOSED STORM DRAINAGE INLETS WITHIN THE WORK LIMITS. MAINTAIN FOR THE DURATION OF THE PROJECT UNTIL PAVEMENT HAS BEEN INSTALLED AND UPSTREAM AREAS HAVE BEEN STABILIZED.
11. THE CONTRACTOR SHALL CONTACT "DIGSAFE" 72 HOURS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL HAVE THE "DIG-SAFE" NUMBER ON-SITE AT ALL TIMES (1-888-DIG-SAFE OR 811).
12. THE LOCATIONs OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATION IS NOT GUARANTEED BY THE OWNER OR THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, AND IF NECESSARY, COORDINATE THE REPAIR AND RELOCATION OF EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK. (SEE DEMOLITION NOTE #3 FOR ADDITIONAL INFORMATION)
13. MAINTAIN EXISTING SHOULDER CROSS SLOPE IN EXPANDED SHOULDER AREAS PER DETAIL.
14. WORK & MATERIALS SHALL CONFORM TO THE NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. ALSO, WHICH CAN BE FOUND ON-LINE @ WWW.NH.GOV/DOT/BUREAUS/HIGHWAY DESIGN/SPECIFICATIONS.
15. SALVAGE ANY EXISTING VERTICAL GRANITE CURBING FOUND AND RESET TO LOCATIONS SHOWN. IN ALL CASES CURBING REQUIRED SHALL MEET NHDOT SPEC. SECTION 609.
16. CONTRACTOR SHALL USE APPROPRIATE TRAFFIC MAINTENANCE SIGNAGE DURING CONSTRUCTION. SEE MUTCD FIGURE 6H-1 – WORK BEYOND THE SHOULDER (TA-1), FIGURE 6H-3 – WORK ON THE SHOULDERS (TA-3), FIGURE 6H-6 – SHOULDER WORK WITH MINOR ENCROACHEMENT (TA-6), AND FIGURE 6H-10 – LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS (TA-10).
17. ALL SYMBOLS, WORDS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES, AND RAILROAD SYMBOLS), LANE LINES AND ALL OTHER MARKINGS NOTED TO BE THERMOPLASTIC SHALL BE THERMOPLASTIC.
18. THE CONTRACTOR SHALL CONTACT PETER CROUCH AT THE NHDOT BUREAU OF TRAFFIC AT (603) 271-2291 ONE WEEK PRIOR TO PAVEMENT MARKING.

LEGEND

VGC	VERTICAL GRANITE CURB	5'R	CURB RADIUS
	UTILITY POLE		CATCH BASIN
	SEWER MANHOLE		SIGN
	BOUND FOUND		LIGHTPOLE
	DRAINAGE MANHOLE		HYDRANT
	EXISTING TREE		WATER SHUT OFF
	PROPOSED LAWN		MONITOR WELL
	PROPOSED CROSSWALK	EOP	EDGE OF PAVEMENT
		GV	GAS VALVE
	PROPOSED BITUMINOUS SIDEWALK		STONEWALL
	PROPOSED NEW PAVEMENT		EXISTING CHAINLINK FENCE
			APPROXIMATE PROPERTY LINES
	PROPOSED CONCRETE SIDEWALK		APPROXIMATE ROW LINE

REFERENCE PLANS

1. "EXISTING CONDITIONS PLAN" PREPARED FOR TOWN OF ALLENSTOWN LOCATED AT ALLENSTOWN ROAD, GRANITE STREET & CHESTER TURNPIKE; COUNTY OF MERRIMACK; ALLENSTOWN, NH; PREPARED BY DAVID W. VINCENT, LLS LAND SURVEYING SERVICES; SHEET 1 OF 2 & SHEET 2 OF 2; DATED OCTOBER 8, 2014.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

DIG-SAFE
1-888-344-7233

CALL BEFORE YOU DIG !

NOTE:
CONTRACTOR IS REQUIRED TO CALL DIGSAFE AND COORDINATE LOCATIONS OF EXISTING UTILITY SERVICES A MINIMUM OF 72 HOURS PRIOR TO STARTING ANY WORK ON SITE.

HAIGHT ENGINEERING, PLLC
CIVIL ENGINEERS
P.O. BOX 1166, 181 WATSON ROAD
DOVER, NEW HAMPSHIRE
603.750.4266: FAX 603.749.7348

NO.	REVISION	APP'D	DATE
2	FINAL DESIGN REVIEW	KMT	1/26/2015
1	NHDOT PRELIMINARY DESIGN COMMENTS	KMT	12/1/2014

DESIGN BY: SRD
DRAWN BY: SRD
APPROVED BY: SJH
PROJECT NO: 0928
FILE: SITE.DWG
DATE: 10-7-14
SCALE: 1"=20'

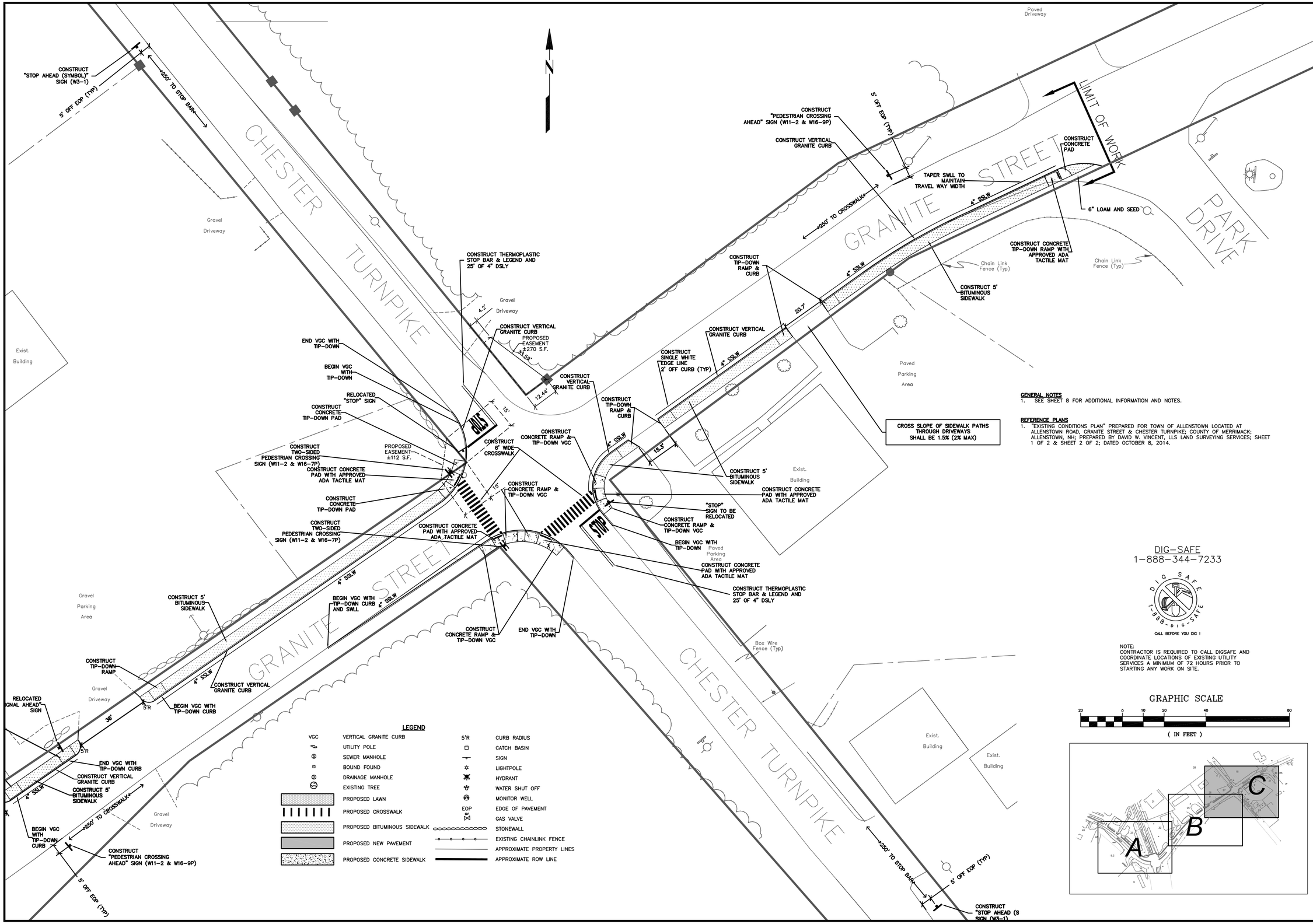
STEPHEN J. HAIGHT No. 7978 LICENSED PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE 1/26/15

TOWN OF ALLENSTOWN
16 SCHOOL STREET
ALLENSTOWN, NH 03275

SRTS PROJECT #15991
FEDERAL PROJECT #X-A001(085)
GRANITE STREET SIDEWALK CONSTRUCTION
FROM RITE-AID TO PARKWOOD DRIVE
ALLENSTOWN, NH 03275
MERRIMACK COUNTY

SITE PLAN – B

8



GENERAL NOTES

1. SEE SHEET 8 FOR ADDITIONAL INFORMATION AND NOTES.

REFERENCE PLANS

1. "EXISTING CONDITIONS PLAN" PREPARED FOR TOWN OF ALLENSTOWN LOCATED AT ALLENSTOWN ROAD, GRANITE STREET & CHESTER TURNPIKE; COUNTY OF MERRIMACK; ALLENSTOWN, NH; PREPARED BY DAVID W. VINCENT, LLS LAND SURVEYING SERVICES; SHEET 1 OF 2 & SHEET 2 OF 2; DATED OCTOBER 8, 2014.

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STEPHEN J. HAIGHT No. 7979 LICENSED PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE
11/4/15

TOWN OF ALLENSTOWN
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ALLENSTOWN, NH 03275

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FEDERAL PROJECT #A-A001(065)
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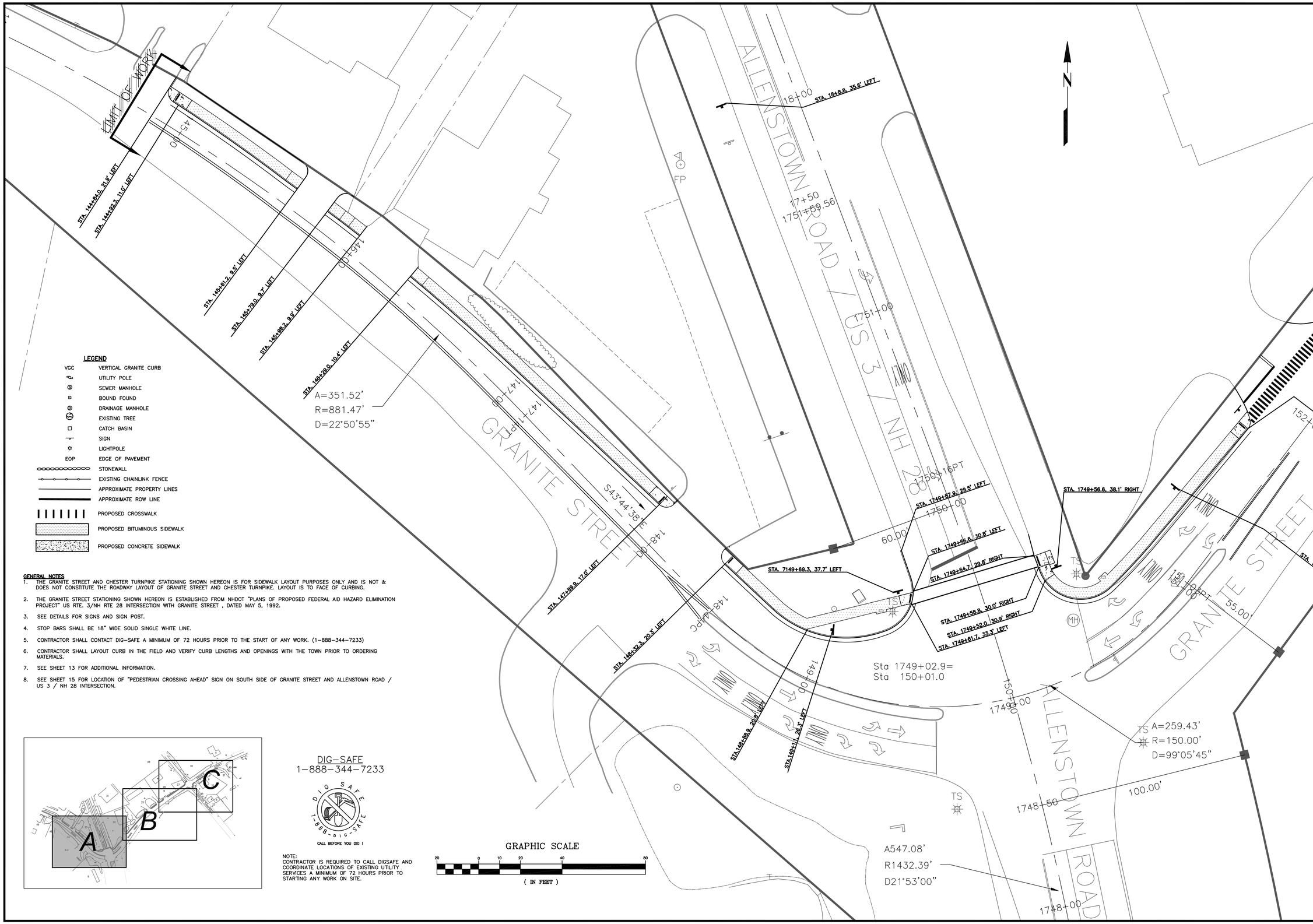
MERRIMACK COUNTY

SITE PLAN - C



LEGEND

VGC	VERTICAL GRANITE CURB
	UTILITY POLE
	SEWER MANHOLE
	BOUND FOUND
	DRAINAGE MANHOLE
	EXISTING TREE
	CATCH BASIN
	SIGN
	LIGHTPOLE
EOP	EDGE OF PAVEMENT
	STONEWALL
	EXISTING CHAINLINK FENCE
	APPROXIMATE PROPERTY LINES
	APPROXIMATE ROW LINE
	PROPOSED CROSSWALK
	PROPOSED BITUMINOUS SIDEWALK
	PROPOSED CONCRETE SIDEWALK

GENERAL NOTES

1. THE GRANITE STREET AND CHESTER TURNPIKE STATIONING SHOWN HEREON IS FOR SIDEWALK LAYOUT PURPOSES ONLY AND IS NOT & DOES NOT CONSTITUTE THE ROADWAY LAYOUT OF GRANITE STREET AND CHESTER TURNPIKE. LAYOUT IS TO FACE OF CURBING.
2. THE GRANITE STREET STATIONING SHOWN HEREON IS ESTABLISHED FROM NHDOT "PLANS OF PROPOSED FEDERAL AID HAZARD ELIMINATION PROJECT" US RTE. 3/NH RTE 28 INTERSECTION WITH GRANITE STREET , DATED MAY 5, 1992.
3. SEE DETAILS FOR SIGNS AND SIGN POST.
4. STOP BARS SHALL BE 18" WIDE SOLID SINGLE WHITE LINE.
5. CONTRACTOR SHALL CONTACT DIG-SAFE A MINIMUM OF 72 HOURS PRIOR TO THE START OF ANY WORK. (1-888-344-7233)
6. CONTRACTOR SHALL LAYOUT CURB IN THE FIELD AND VERIFY CURB LENGTHS AND OPENINGS WITH THE TOWN PRIOR TO ORDERING MATERIALS.
7. SEE SHEET 13 FOR ADDITIONAL INFORMATION.
8. SEE SHEET 15 FOR LOCATION OF "PEDESTRIAN CROSSING AHEAD" SIGN ON SOUTH SIDE OF GRANITE STREET AND ALLENSTOWN ROAD / US 3 / NH 28 INTERSECTION.

DIG-SAFE
1-888-344-7233

CALL BEFORE YOU DIG !

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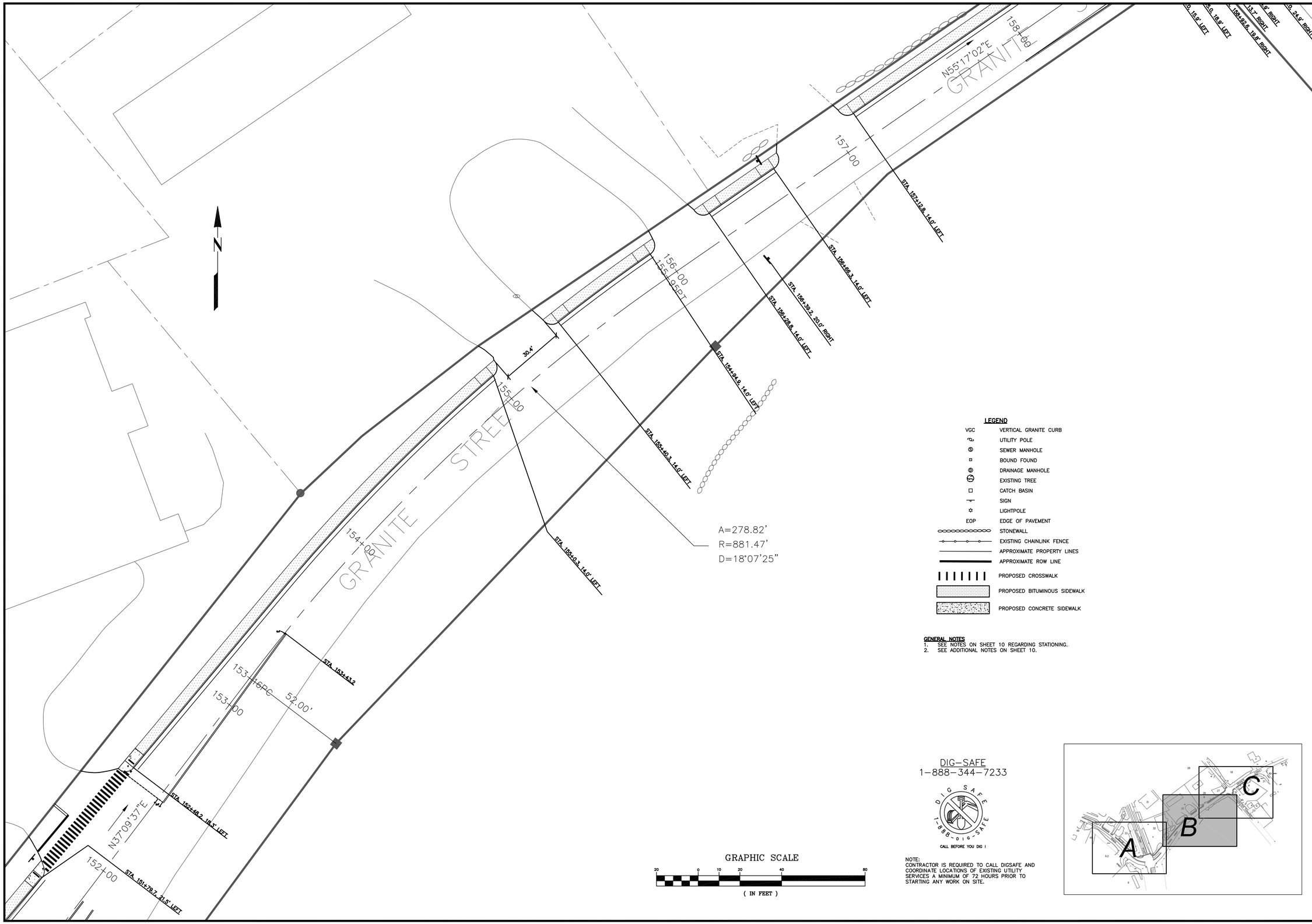
STATE OF NEW HAMPSHIRE
STEPHEN J. HAIGHT
No. 7978
LICENSED PROFESSIONAL ENGINEER
1/26/15

TOWN OF ALLENSTOWN
16 SCHOOL STREET
ALLENSTOWN, NH 03275

SRTS PROJECT #15991
FEDERAL PROJECT #A-A001(065)
GRANITE STREET SIDEWALK CONSTRUCTION
FROM RTE-AID TO PARKWOOD DRIVE
ALLENSTOWN, NH 03275
MERRIMACK COUNTY

LAYOUT PLAN - A



LEGEND

VGC	VERTICAL GRANITE CURB
	UTILITY POLE
	SEWER MANHOLE
	BOUND FOUND
	DRAINAGE MANHOLE
	EXISTING TREE
	CATCH BASIN
	SIGN
	LIGHTPOLE
EOP	EDGE OF PAVEMENT
	STONEWALL
	EXISTING CHAINLINK FENCE
	APPROXIMATE PROPERTY LINES
	APPROXIMATE ROW LINE
	PROPOSED CROSSWALK
	PROPOSED BITUMINOUS SIDEWALK
	PROPOSED CONCRETE SIDEWALK

GENERAL NOTES

1. SEE NOTES ON SHEET 10 REGARDING STATIONING.
2. SEE ADDITIONAL NOTES ON SHEET 10.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

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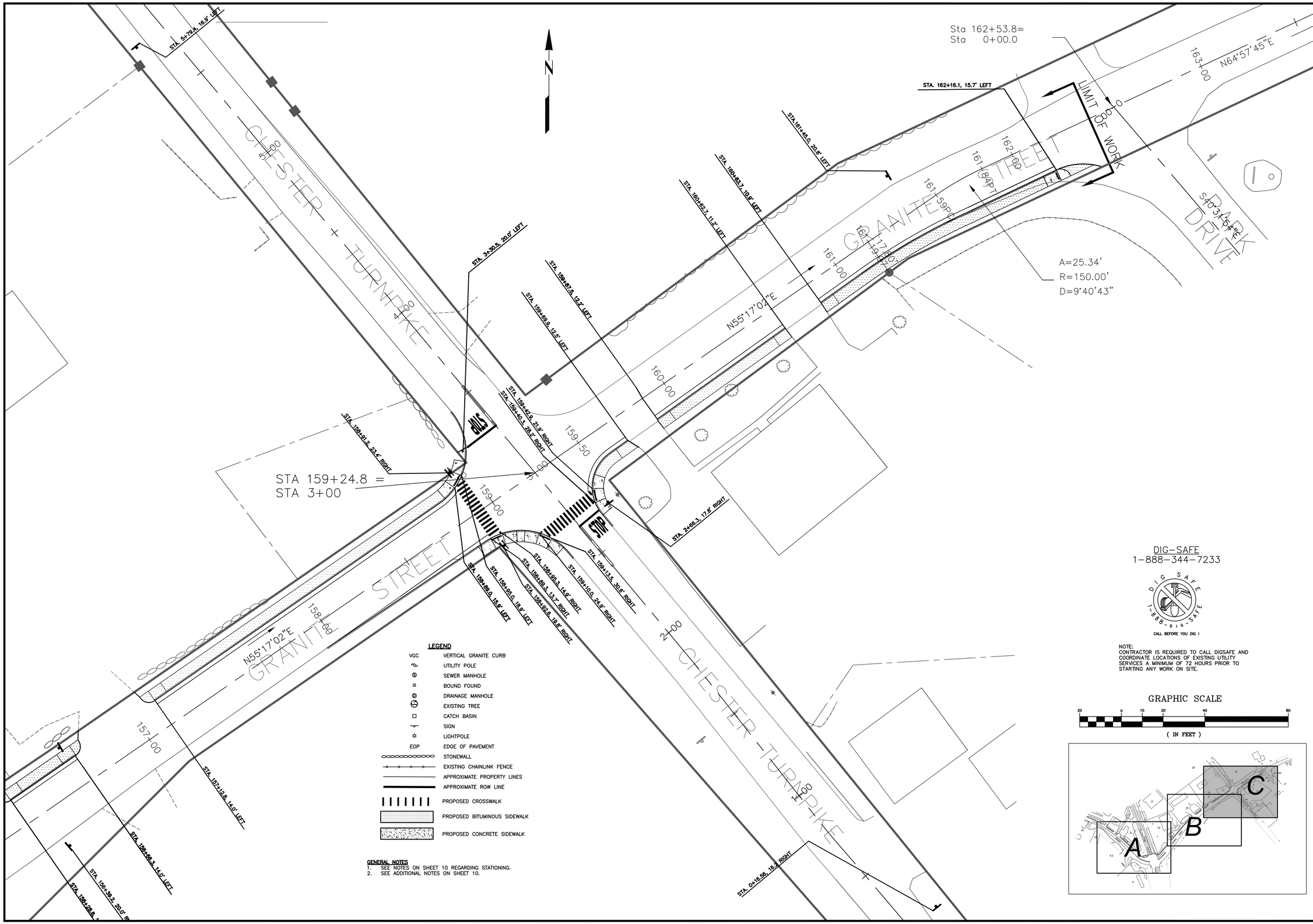
LAYOUT PLAN – B



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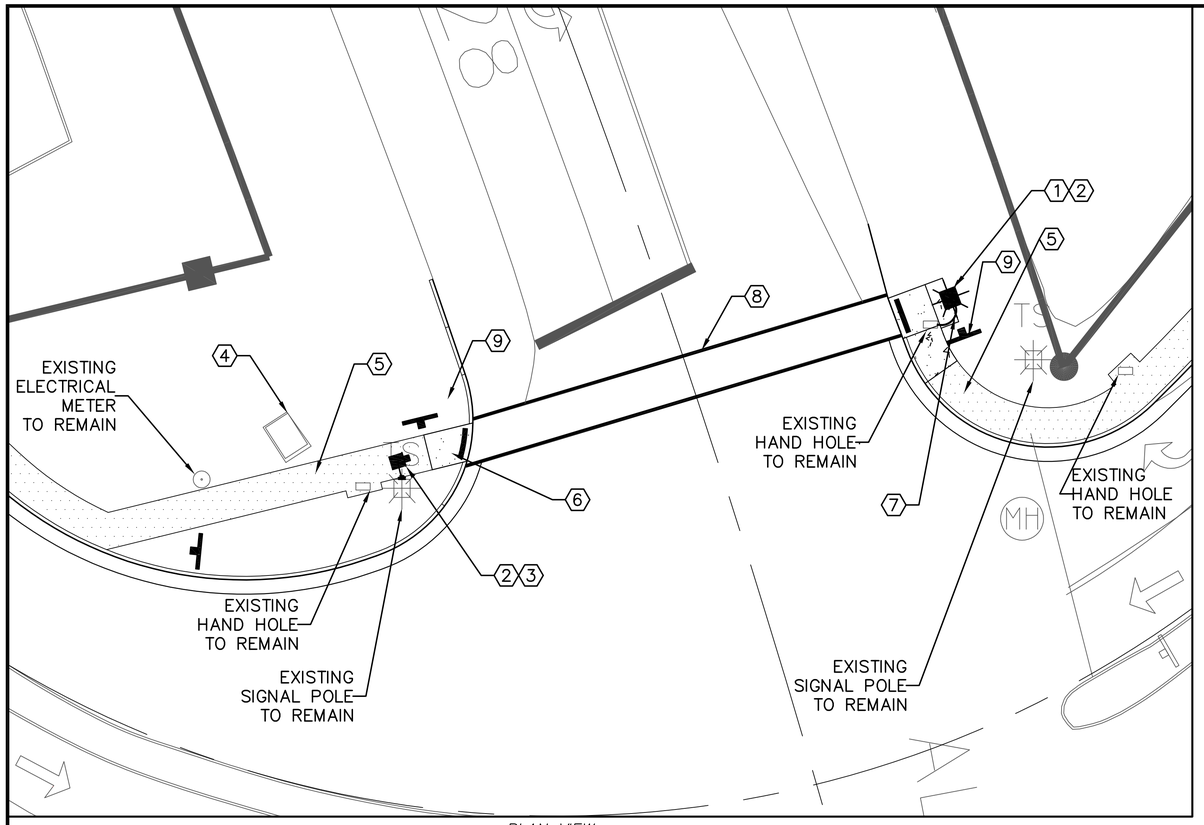
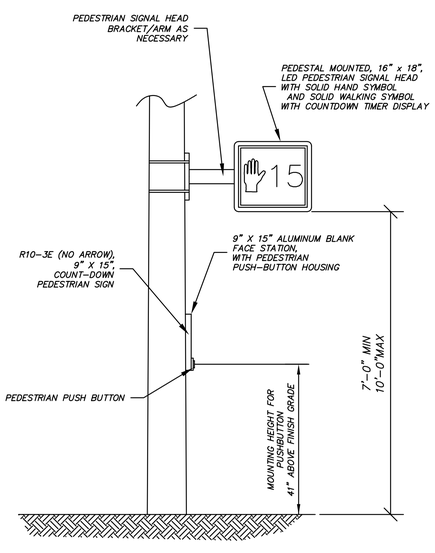


PLAN VIEW

GRAPHIC SCALE

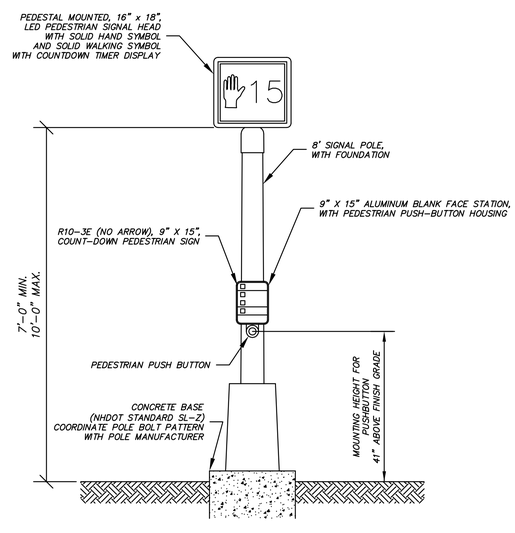
10 0 5 10 20 40

(IN FEET)



EXISTING SIGNAL POLE WITH NEW PEDESTRIAN SIGNAL

NOT TO SCALE



NEW PEDESTRIAN SIGNAL POLE

NOT TO SCALE

LEGEND

- UTILITY POLE
- SEWER MANHOLE
- BOUND FOUND
- DRAINAGE MANHOLE
- EXISTING TREE
- PROPOSED CROSSWALK
- PROPOSED BITUMINOUS SIDEWALK
- PROPOSED CONCRETE SIDEWALK
- CATCH BASIN
- SIGN
- LIGHTPOLE
- HYDRANT
- WATER SHUT OFF
- MANHOLE
- TRAFFIC SIGNAL POLE
- PROPOSED PEDESTAL POLE
- PROPOSED LIGHT EMITTING DIODE (L.E.D.) PEDESTRIAN SIGNAL
- APPROXIMATE ROW LINE
- IRON ROD FOUND
- STATE BOUNDARY FOUND
- PEDESTRIAN PUSH BUTTON

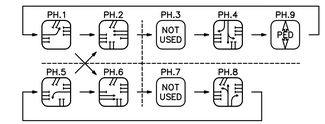
CONSTRUCTION NOTES

1. PROPOSED SIGNAL POLE WITH PEDESTAL MOUNTED LED PEDESTRIAN SIGNAL. SHALL BE NHDOT APPROVED 8' ALUMINUM PEDESTAL WITH FOUNDATION. PEDESTRIAN SIGNAL HEAD SHALL BE MOUNTED USING "POST TOP" MATERIAL. (SEE NEW PEDESTRIAN SIGNAL POLE DETAIL)
2. PROPOSED PEDESTRIAN PUSH BUTTON OPERATOR. SHALL BE MOUNTED AT A LOCATION COMPLIANT WITH NHDOT AND ADA.
3. PROPOSED L.E.D. PEDESTRIAN SIGNAL HEAD. SHALL BE INSTALLED ON THE EXISTING MAST ARM USING "SIDE OF POLE" MATERIAL.
4. INSTALL "PEDESTRIAN ISOLATION MODULE" AND ADDITIONAL LOAD SWITCH TO EXISTING CABINET ON CONCRETE PAD. ANY PROGRAMMING AND/OR TIMING CHANGES TO THE CYCLE OF THE INTERSECTION SHALL BE APPROVED BY NHDOT.
5. PROPOSED 5' WIDE BITUMINOUS CONCRETE SIDEWALK.
6. PROPOSED REINFORCED CONCRETE PAD WITH TACTILE MAT.
7. PROPOSED 2" PVC SCHEDULE 40 CONDUIT FROM EXISTING HAND HOLE TO PROPOSED SIGNAL POLE WITH PEDESTAL MOUNTED LED PEDESTRIAN SIGNAL.
8. PROPOSED 6' WIDE THERMOPLASTIC CROSSWALK.
9. CONSTRUCT PEDESTRIAN CROSSING SIGN (W11-2 & W16-7P)

GENERAL NOTES

1. SEE PLAN REF. 2 (SHEET 16 OF THIS PLAN SET) FOR ADDITIONAL INTERSECTION INFORMATION.
2. CONTRACTOR SHALL CONTACT NHDOT, PETER CROUCH, P.E., (603) 271-2291, TO REVIEW INSTALLATION OF TRAFFIC CONTROL DEVICES AND SIGNAL PHASING.
3. LED: LIGHT EMITTING DIODE
4. ALL SIGNAL WORK SHALL BE CONDUCTED IN CONFORMANCE WITH THE LATEST NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
5. BASED ON A FIELD INSPECTION OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT AT THIS INTERSECTION ON MAY 19, 2014, SPARE CABLES ARE AVAILABLE IN THE CONDUITS BETWEEN THE CONTROLLER CABINET AND THE TRAFFIC SIGNAL POLE AT STA 1749+64, LT. 43', AND THE HAND HOLE AT STA 1749+53, RT 37'.
6. THE CONDUCTIVITY OF THE SPARE CABLES WAS CONFIRMED BY HAIGHT ENGINEERING ON NOVEMBER 17, 2014.
6. THE CONTRACTOR SHALL USE THESE SPARE CABLES TO CONNECT THE NEW PEDESTRIAN SIGNAL EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL CONTROLLER, FOR THE PEDESTRIAN CROSSING US ROUTE 3 NORTH OF THE INSPECTION.
7. THE PEDESTRIAN CROSSING SHALL BE ON AN EXCLUSIVE PHASE 9 TO BE CALLED FOLLOWING THE MINOR STREET CLEARENCE, PHASES 4&8, AND/OR PRIOR TO RETURNING TO THE MAJOR STREET PHASES 2&6.
8. THE PEDESTRIAN WALK AND CLEARENCE TIME SHALL BE FULLY SERVICED ONCE THE PEDESTRIAN PHASE BEGINS.
9. PROVIDE 5 SECONDS WALK, 20 SECONDS FLASHING DON'T WALK AND A 3 SECOND ALL RED PRIOR TO ADVANCING TO ANOTHER PHASE OR SERVICING AN OPTICOM EMERGENCY PREEPTION CALL.
10. SIGNAL PHASING EQUIPMENT SHALL BE REVIEWED AND APPROVED BY NHDOT TRAFFIC BUREAU PRIOR TO MANUFACTURING AND INSTALLATION.

STANDARD 9 PHASE NEMA CONTROLLER



PROPOSED SIGNAL PHASING

	PH.1	PH.2	PH.3	PH.4	PH.5	PH.6	PH.7	PH.8	PH.9
CONTROLLER TIMING IN SECONDS			NOT USED				NOT USED		
INITIAL INTERVAL	5	10		5	5	10		5	
PASSAGE	3	3		3	3	3		3	
YELLOW	4	4		4	4	4		4	
ALL RED	2	2		2	2	2		2	3
MAXIMUM I	10	40		10	15	40		15	
MAXIMUM II	10	30		10	20	30		15	
MAXIMUM III									
MAXIMUM EXT									
RECALL		SFT				SFT			
WALK									5
FLASHING DON'T WALK									20
FLASHING YELLOW ARROW									

NHDOT – SEQUENCE AND TIMING CHART

CITY/ TOWN: ALLENSTOWN
SIGNAL ID#: S-007-01
LOCATION: US 3
INTERSECT: GRANITE STREET / GRANITE STREET EXT.
CABINET TYPE: P TYPE - 1
CONTROLLER MFG: GAMMATRONIX 80
INSTALL DATE: 10/08/1990
FIRE PREEMPT: OPTICOM

REFERENCE PLANS

1. "EXISTING CONDITIONS PLAN" PREPARED FOR TOWN OF ALLENSTOWN LOCATED AT ALLENSTOWN ROAD, GRANITE STREET & CHESTER TURNPIKE; COUNTY OF MERRIMACK; ALLENSTOWN, NH; PREPARED BY DAVID W. VINCENT, LLS LAND SURVEYING SERVICES; SHEET 1 OF 2 & SHEET 2 OF 2; DATED OCTOBER 8, 2014.
2. "SIGNALIZATION AND LIGHTING LAYOUT"; FEDERAL PROJECT NO.: F-HES-017-1(18); STATE PROJECT NO.: 10289; SHEET 23; TOTAL SHEETS 50; DATE: 7-25-89; DATE: 3-20-90; AS-BUILT DETAILS.

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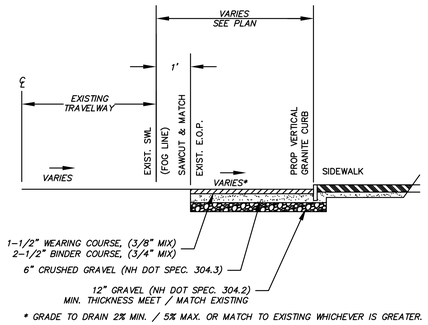
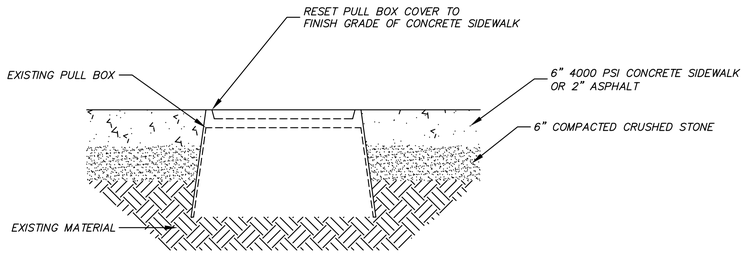
FEDERAL PROJECT #X-A001(065)
GRANITE STREET SIDEWALK CONSTRUCTION
FROM RITE-AID TO PARKWOOD DRIVE
ALLENSTOWN, NH 03275
MERRIMACK COUNTY

INTERSECTION PLAN



TYPICAL PAVED SHOULDER

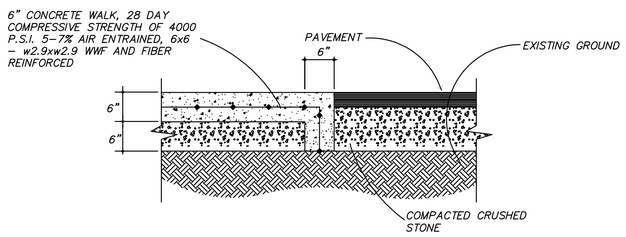


TRAFFIC SIGNAL PULL BOX

NOT TO SCALE

NOTES

1. SEE SITE PLAN FOR LOCATION AND FINISH MATERIAL



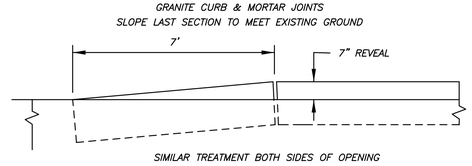
(SEE SITE PLAN FOR LOCATION)

CONCRETE PAD DETAIL

NOT TO SCALE

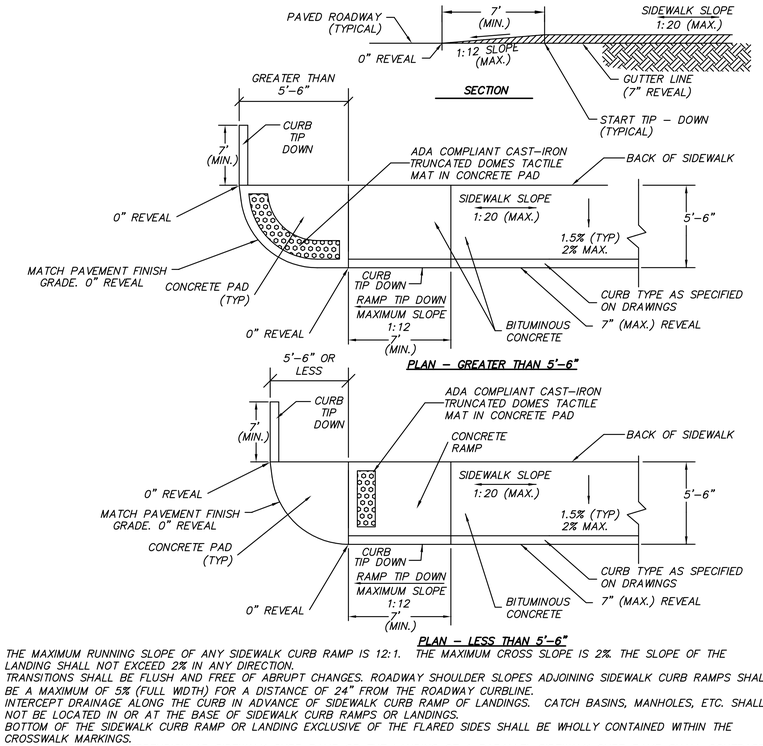
NOTES

1. WIRE FABRIC SHOULD BE PLACED ON "CHAIRS" TO MAINTAIN 3" CLEARENCE FROM EARTHEN MATERIAL



"TIP-DOWN" CURB DETAIL

NOT TO SCALE

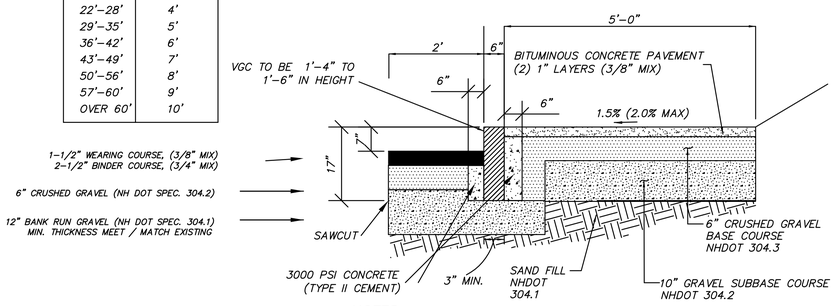


1. THE MAXIMUM RUNNING SLOPE OF ANY SIDEWALK CURB RAMP IS 12:1. THE MAXIMUM CROSS SLOPE IS 2%. THE SLOPE OF THE LANDING SHALL NOT EXCEED 2% IN ANY DIRECTION.
2. TRANSITIONS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES. ROADWAY SHOULDER SLOPES ADJOINING SIDEWALK CURB RAMPS SHALL BE A MAXIMUM OF 5% (FULL WIDTH) FOR A DISTANCE OF 24" FROM THE ROADWAY CURBLINE.
3. INTERCEPT DRAINAGE ALONG THE CURB IN ADVANCE OF SIDEWALK CURB RAMP OF LANDINGS. CATCH BASINS, MANHOLES, ETC. SHALL NOT BE LOCATED IN OR AT THE BASE OF SIDEWALK CURB RAMPS OR LANDINGS.
4. BOTTOM OF THE SIDEWALK CURB RAMP OR LANDING EXCLUSIVE OF THE FLARED SIDES SHALL BE WHOLLY CONTAINED WITHIN THE CROSSWALK MARKINGS.
5. THE SURFACE OF A PERPENDICULAR SIDEWALK CURB RAMP OR THE LANDING OF A PARALLEL SIDEWALK CURB RAMP SHALL CONTRAST VISUALLY WITH THE ADJOINING SIDEWALK SURFACE, EITHER ASPHALT/LIGHT-COLORED CONCRETE OR LIGHT-COLORED CONCRETE/DARK-STAINED CONCRETE. THE CONCRETE SURFACE SHALL BE SLIP RESISTANT.
6. INSTALL DETECTABLE WARNINGS TACTILE MAT (TRUNCATED DOMES) AT THE LOCATIONS SHOWN. DETECTABLE WARNINGS SHALL MEASURE 24" IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE SIDEWALK RAMP AND THE EDGE NEAREST THE CURBLINE SHALL BE LOCATED 6" - 8" FROM THE FACE OF CURBLINE.
7. PROVIDE DETECTABLE WARNING SURFACE ANYTIME THAT A CURB RAMP, BLENDED TRANSITION OR LANDING CONNECTS TO A STREET.
8. WHERE BOTH ENDS OF THE BOTTOM GRADE ARE LESS THAN 5'-6" FROM THE BACK OF THE CURB, LOCATE THE DETECTABLE WARNING PANELS ON THE RAMP SURFACE AT THE BOTTOM OF THE RAMP. WHERE EITHER END OF THE BOTTOM GRADE IS GREATER THAN 5'-6" FROM THE BACK OF THE CURB, LOCATE THE DETECTABLE WARNING AT THE BOTTOM OF THE LANDING.

SIDEWALK TIP DOWN AT CURBED RADIUS PAD

NOT TO SCALE

RADIUS	MAX. LENGTH
21'	3'
22'-28'	4'
29'-35'	5'
36'-42'	6'
43'-49'	7'
50'-56'	8'
57'-60'	9'
OVER 60'	10'

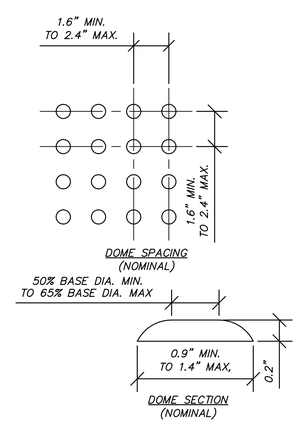


NOTES

1. SEE SITE PLAN FOR LIMITS OF CURBING.
2. ADJOINING STONES SHALL HAVE THE SAME OR APPROXIMATELY THE SAME LENGTH.
3. MINIMUM LENGTH OF CURB STONES = 3'
4. MAXIMUM LENGTH OF CURB STONES = 10'
5. MAXIMUM LENGTH OF STRAIGHT CURB STONES LAID ON CURVES (SEE CHART)
6. ALL RADII 20 FEET AND SMALLER TO BE CONSTRUCTED USING CURVED SECTIONS.
7. TAPER ASPHALT AT END OF DAY; TO CONTINUE PAVING ADD TACK AND BEGIN OVERLAY AT TAPER

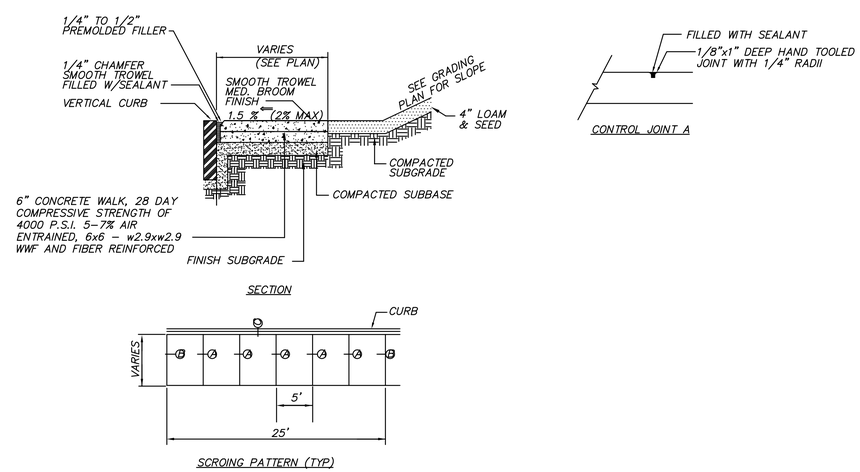
BITUMINOUS CONCRETE SIDEWALK WITH VERTICAL GRANITE CURB

NOT TO SCALE



TACTILE DOME DETAIL

NOT TO SCALE



CONCRETE SIDEWALK

NOT TO SCALE

NH SRTS PROJECT
FEDERAL PROJECT # ____

HAIGHT ENGINEERING, PLLC
CIVIL ENGINEERS
P.O. BOX 1166, 181 WATSON ROAD
DOVER, NEW HAMPSHIRE
603.750.4266. FAX 603.749.7348

NO.	REVISION	APP'D	DATE
2	FINAL DESIGN REVIEW	KMT	1/26/2015
1	NHDOT PRELIMINARY DESIGN COMMENTS	KMT	12/1/2014

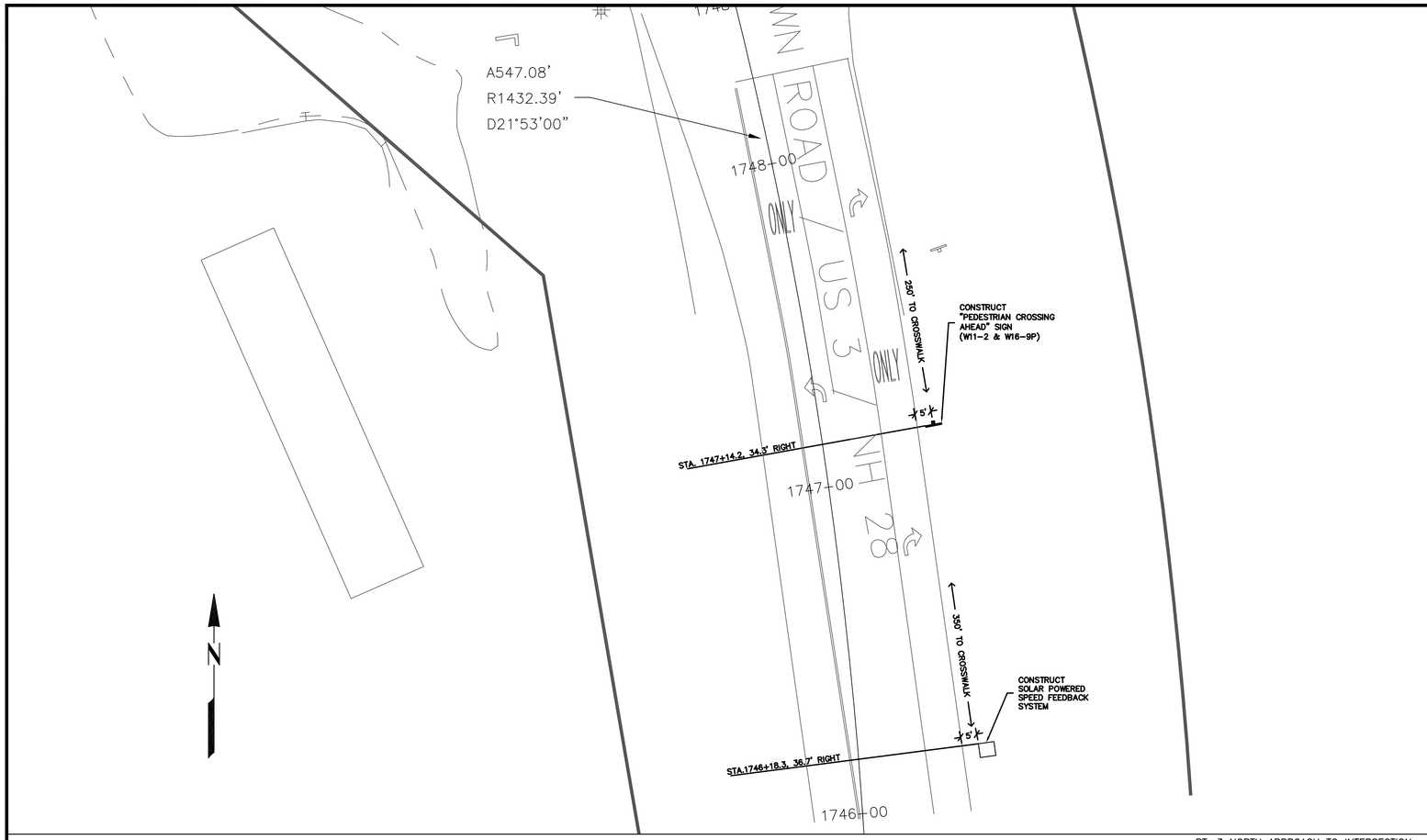
DATE: 5-10-2010
SCALE: N/A
DRAWN BY: SRD
DESIGN BY: SRD
APPROVED BY: SJH
PROJECT NO: 09005
FILE: SITE.DWG

STEPHEN J. HAIGHT No. 7978 - STATE OF NEW HAMPSHIRE - PROFESSIONAL ENGINEER - LICENSED
1/26/15

TOWN OF ALLENSTOWN
16 SCHOOL STREET
ALLENSTOWN, NH 03275

SIDEWALK CONSTRUCTION PROJECT

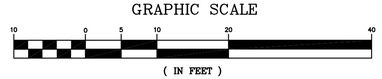
DETAIL SHEET



PLAN VIEW FOR PEDESTRIAN CROSSING SIGN AND SPEED FEEDBACK SYSTEM

RT. 3 NORTH APPROACH TO INTERSECTION

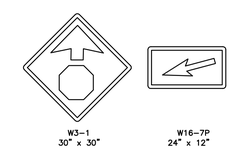
GRAPHIC SCALE



LEGEND

VGC	VERTICAL GRANITE CURB
	UTILITY POLE
	SEWER MANHOLE
	BOUND FOUND
	DRAINAGE MANHOLE
	EXISTING TREE
	CATCH BASIN
	SIGN
	LIGHTPOLE
EOP	EDGE OF PAVEMENT
	STONEWALL
	EXISTING CHAINLINK FENCE
	APPROXIMATE PROPERTY LINES
	PROPOSED CROSSWALK
	PROPOSED BITUMINOUS SIDEWALK
	PROPOSED CONCRETE SIDEWALK

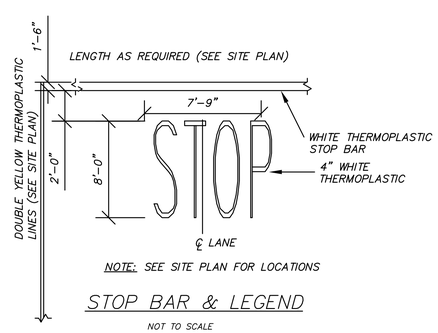
NOTES:
1. CONSTRUCT "PEDESTRIAN CROSSING AHEAD" SIGNS (W11-2 & W16-9P) AT STA. 1747+14.2, 34.3' RIGHT AND STA. 18+8.8, 35.6' LEFT
2. CONSTRUCT SOLAR POWERED SPEED FEED BACK SYSTEM AT STA. 1746+18.3, 36.7' RIGHT (TO BE APPROVED BY NHDOT)



NOTE:
1. CROSSWALK SHALL BE WHITE THERMOPLASTIC. THERMOPLASTIC SHALL BE APPLIED AS SPECIFIED BY MANUFACTURER.
2. CROSSWALKS THAT CROSS ROUTE 3 SHALL BE NHDOT APPROVED THERMOPLASTIC.

CROSSWALK MARKING DETAIL

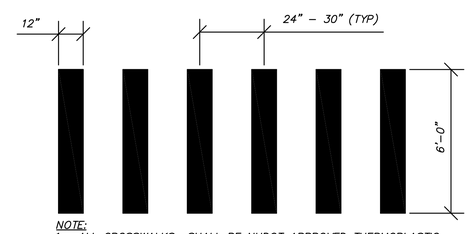
NOT TO SCALE



NOTE: SEE SITE PLAN FOR LOCATIONS

STOP BAR & LEGEND

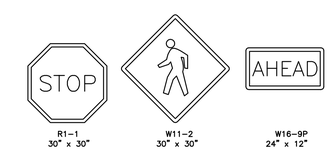
NOT TO SCALE

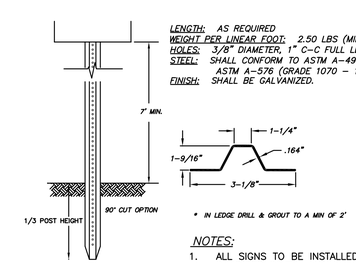


NOTE:
1. ALL CROSSWALKS SHALL BE NHDOT APPROVED THERMOPLASTIC.
2. SPACING FOR THE MARKINGS SHALL BE UNIFORM FOR EACH INDIVIDUAL CROSSWALK BUT MAY BE MODIFIED FROM ONE CROSSWALK TO THE NEXT TO ELIMINATE A CROSSWALK MARKING DIRECTLY IN A WHEELPATH.

CROSSWALK MARKING DETAIL

NOT TO SCALE





NOTES:
1. ALL SIGNS TO BE INSTALLED AND CONSTRUCTED AS INDICATED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION
2. SIGNS W11-2 AND W16-9P SHALL BE FLUORESCENT YELLOW-GREEN IN COLOR

SIGN LEGEND & SIGN POST

NOT TO SCALE

NH SRTS PROJECT
FEDERAL PROJECT # _____

HAIGHT ENGINEERING, PLLC
CIVIL ENGINEERS
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603.750.4266. FAX 603.749.7348

NO.	REVISION	DATE	APP'D
1	NHDOT PRELIMINARY DESIGN COMMENTS	12/1/2014	KMT
2	FINAL DESIGN REVIEW	1/26/2015	KMT

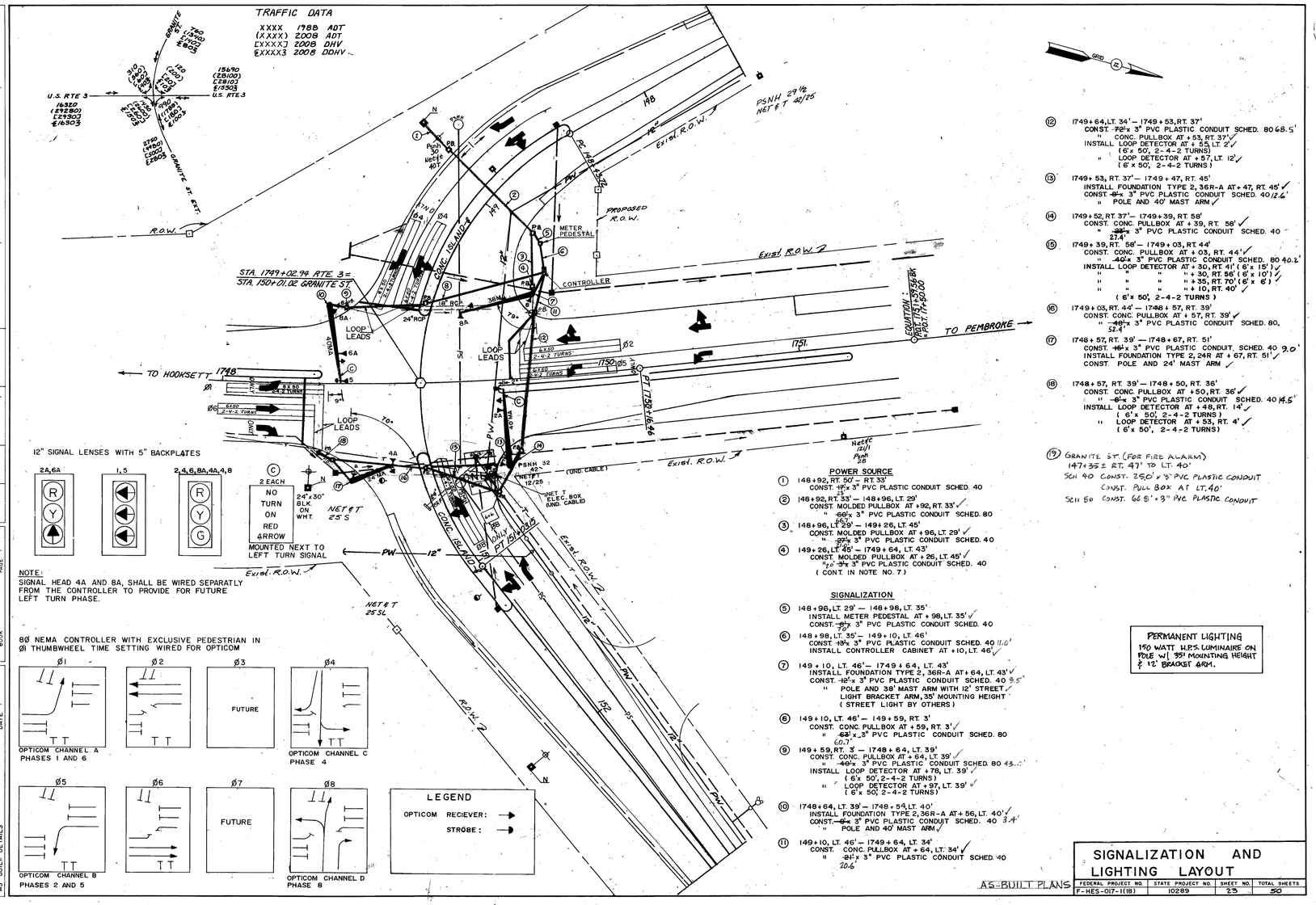
DATE: 5-10-2010
SCALE: 1"=10'
DRAWN BY: SRD
DESIGN BY: SRD
APPROVED BY: SJH
PROJECT NO: 09005
FILE: SITE.DWG

STATE OF NEW HAMPSHIRE
STEPHEN J. HAIGHT
No. 7978
LICENSED
PROFESSIONAL ENGINEER
1/26/15

TOWN OF ALLENSTOWN
16 SCHOOL STREET
ALLENSTOWN, NH 03275

SIDEWALK CONSTRUCTION PROJECT

DETAIL SHEET



GRAPHIC SCALE

30 0 15 30 60 120

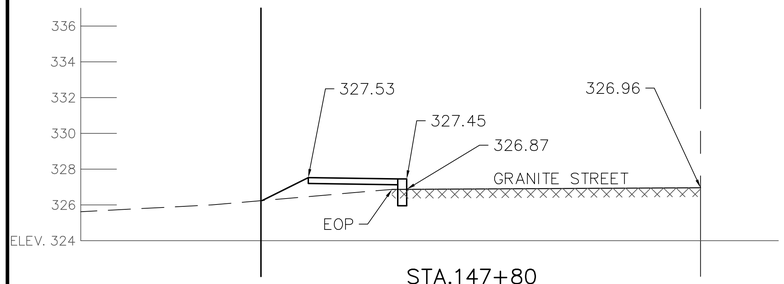
(IN FEET)

REVISIONS AFTER PROPOSAL | NUMBER | DATE | STATION | STATION | DESCRIPTION

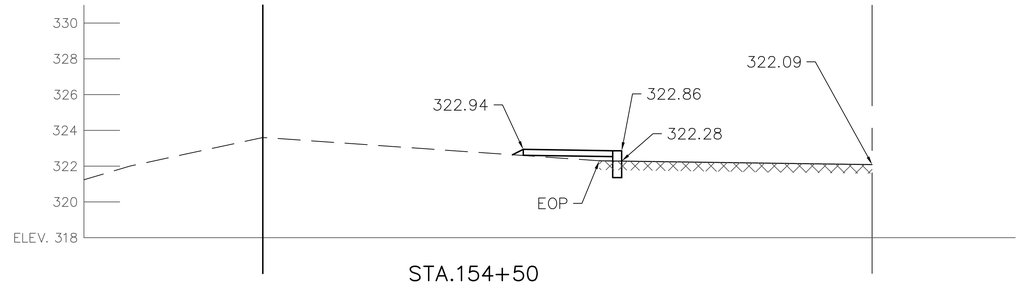
NOTEBOOKS: BOOK PAGE; BOOK PAGE; BOOK PAGE

EXISTING DETAIL | DATE
PROPOSED DESIGN SPARKS | DATE 7-25-87
SHEET CHECKED T.P. O'CONNELL | DATE 3-20-90
AS BUILT DETAILS | DATE

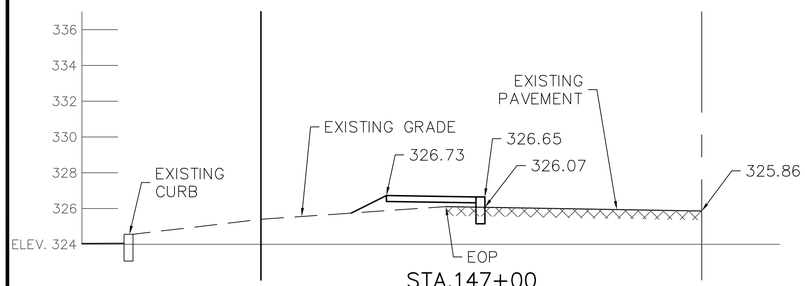
FOR INFORMATION PURPOSES ONLY.
FIELD VERIFY PRIOR TO CONSTRUCTION.



STA.147+80



STA.154+50



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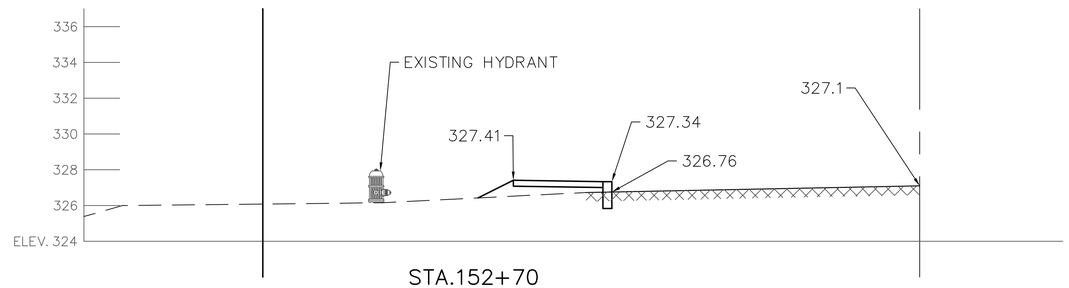
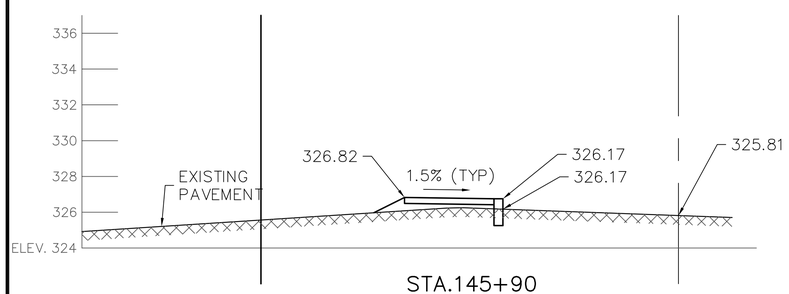


STA.152+70



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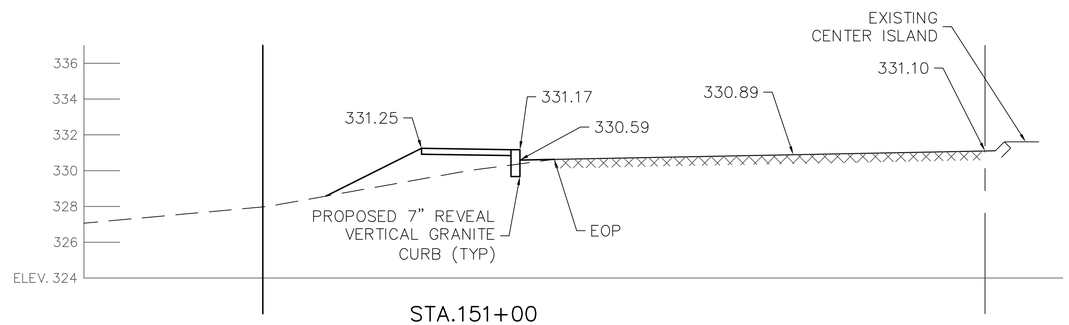
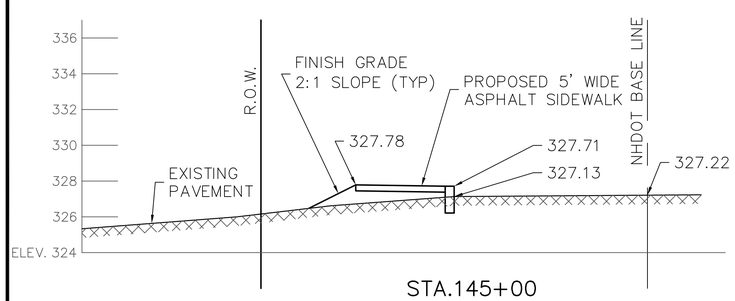


STA.151+00



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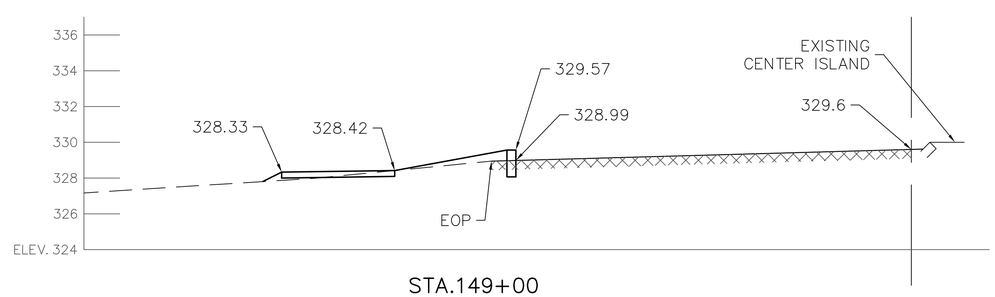

STA.149+00

GRAPHIC SCALE

(IN FEET)

HORIZONTAL SCALE: 1"=4'
VERTICAL SCALE: 1"=4'

LEGEND

EOP	EDGE OF PAVEMENT
TYP	TYPICAL
R.O.W.	RIGHT OF WAY
— — — —	EXISTING GRADE
××××××××	EXISTING PAVEMENT

NH SRTS PROJECT #
FEDERAL PROJECT #

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NO.	REVISION	APP'D	DATE
2	FINAL DESIGN REVIEW	KMT	1/26/2015

DATE: 12-18-14
SCALE: AS SHOWN
DRAWN BY: SRD
DESIGN BY: SRD
APPROVED BY: SJH
PROJECT NO: 0905
FILE: SITE.DWG

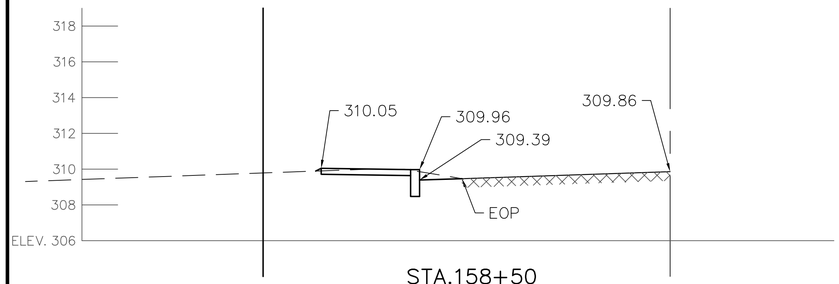
STATE OF NEW HAMPSHIRE
STEPHEN J. HAIGHT
No. 7978
LICENSED
PROFESSIONAL ENGINEER
1/14/15

TOWN OF ALLENSTOWN
16 SCHOOL STREET
ALLENSTOWN, NH 03275

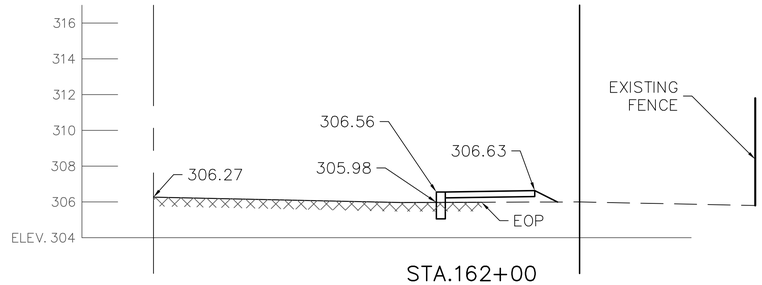
SIDEWALK CONSTRUCTION PROJECT

CROSS SECTIONS ALONG GRANITE STREET

XS-1



STA.158+50



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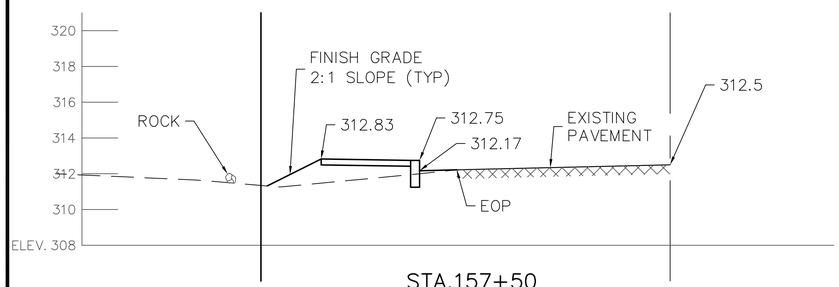

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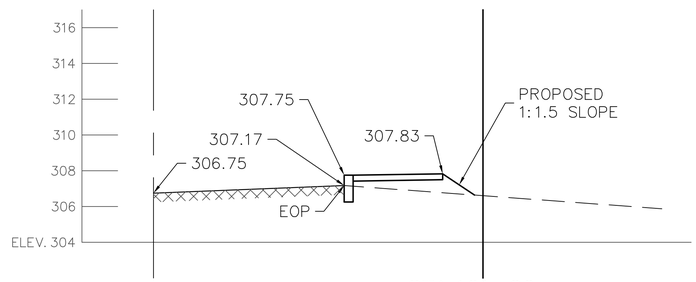
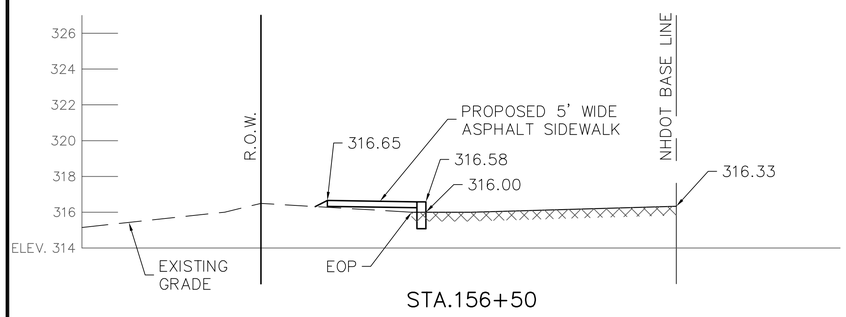


STA.161+00



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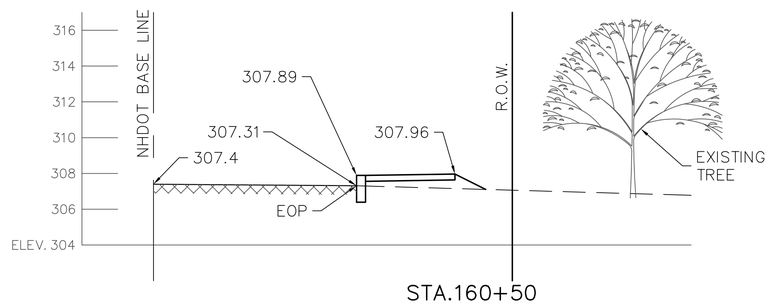

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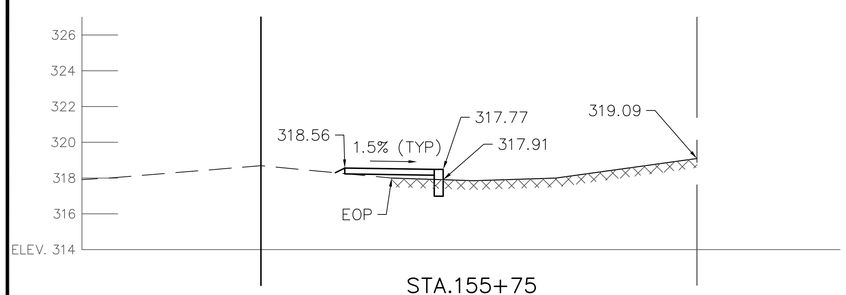
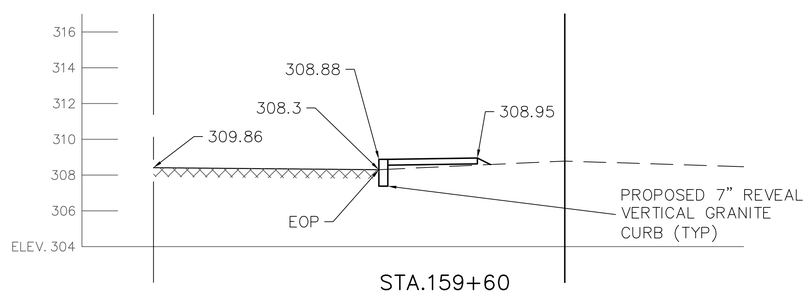


STA.155+75



STA.159+60

GRAPHIC SCALE

4 0 2 4 8 16

(IN FEET)

LEGEND

EOP	EDGE OF PAVEMENT
TYP	TYPICAL
R.O.W.	RIGHT OF WAY
— — — —	EXISTING GRADE
xxxxxxxxxx	EXISTING PAVEMENT

NH SRTS PROJECT _____
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CROSS SECTIONS ALONG GRANITE STREET

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SIDEWALK CONSTRUCTION PROJECT

XS-2