

# "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

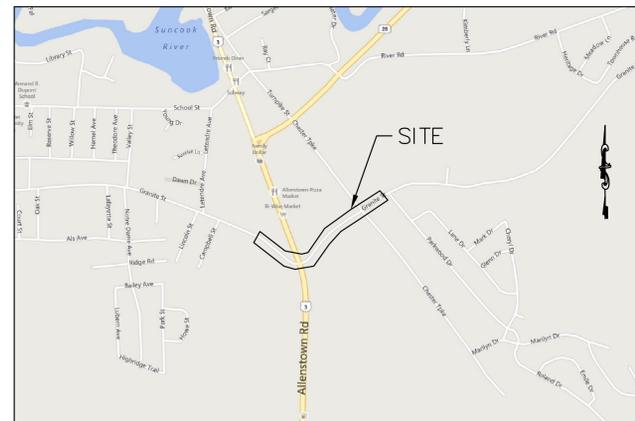
REVISED: DECEMBER 1, 2014



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



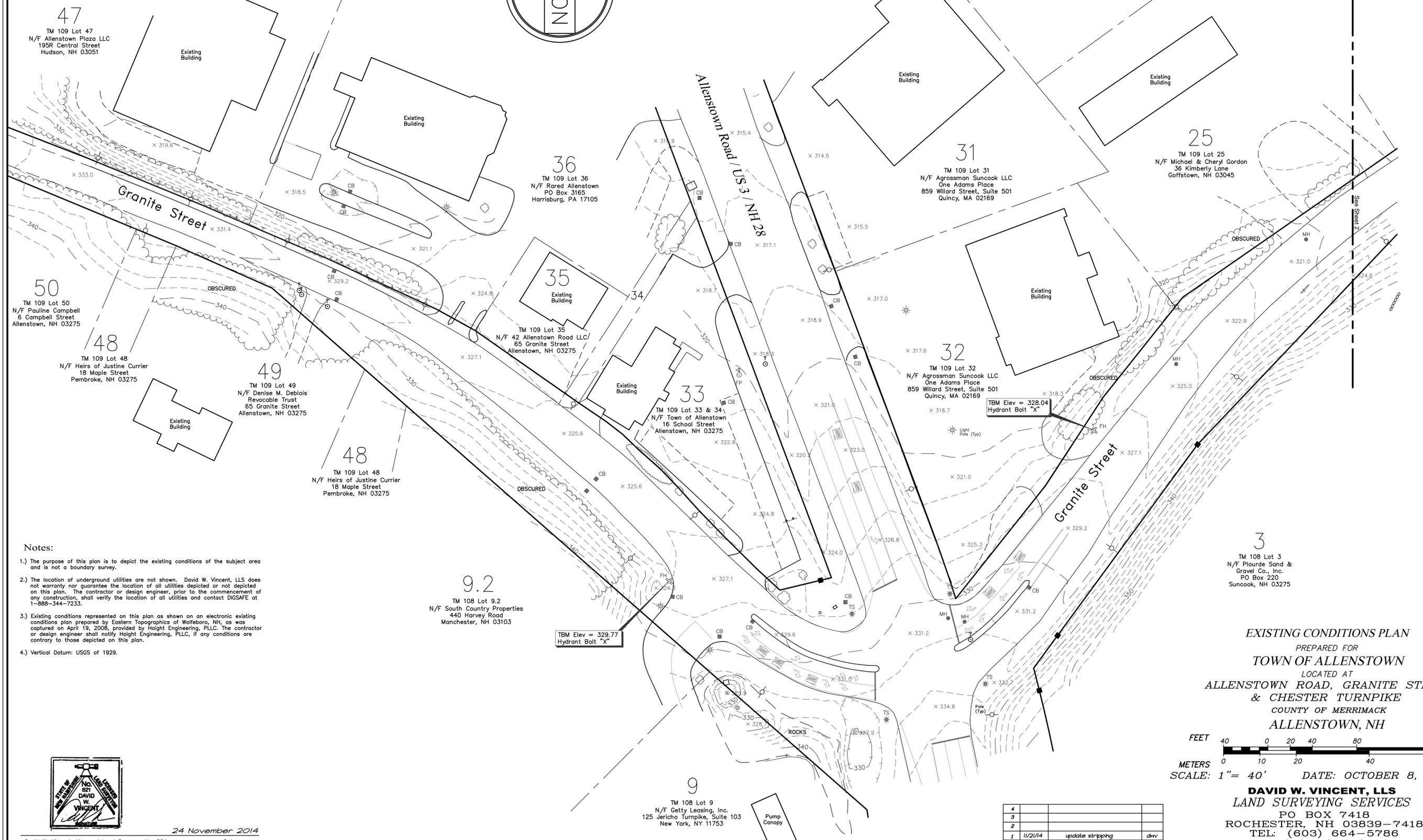
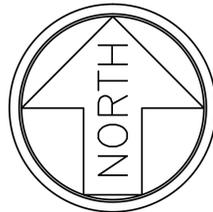
Locus Map - Not To Scale

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### SHEET NO.

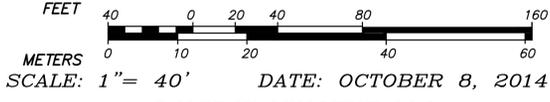
1, 2
3, 4 & 5
6
7, 8 & 9
10, 11 & 12
13
14,15
16



- 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 warrant 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.

3  
 TM 108 Lot 3  
 N/F Plourde Sand &  
 Gravel Co., Inc.  
 PO Box 220  
 Suncook, NH 03275

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



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

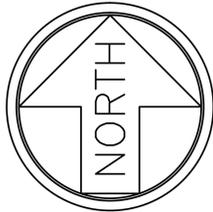
NO.	DATE	DESCRIPTION	BY
4			
3			
2			
1	11/21/14	update stripping	dvw



24 November 2014  
 Date

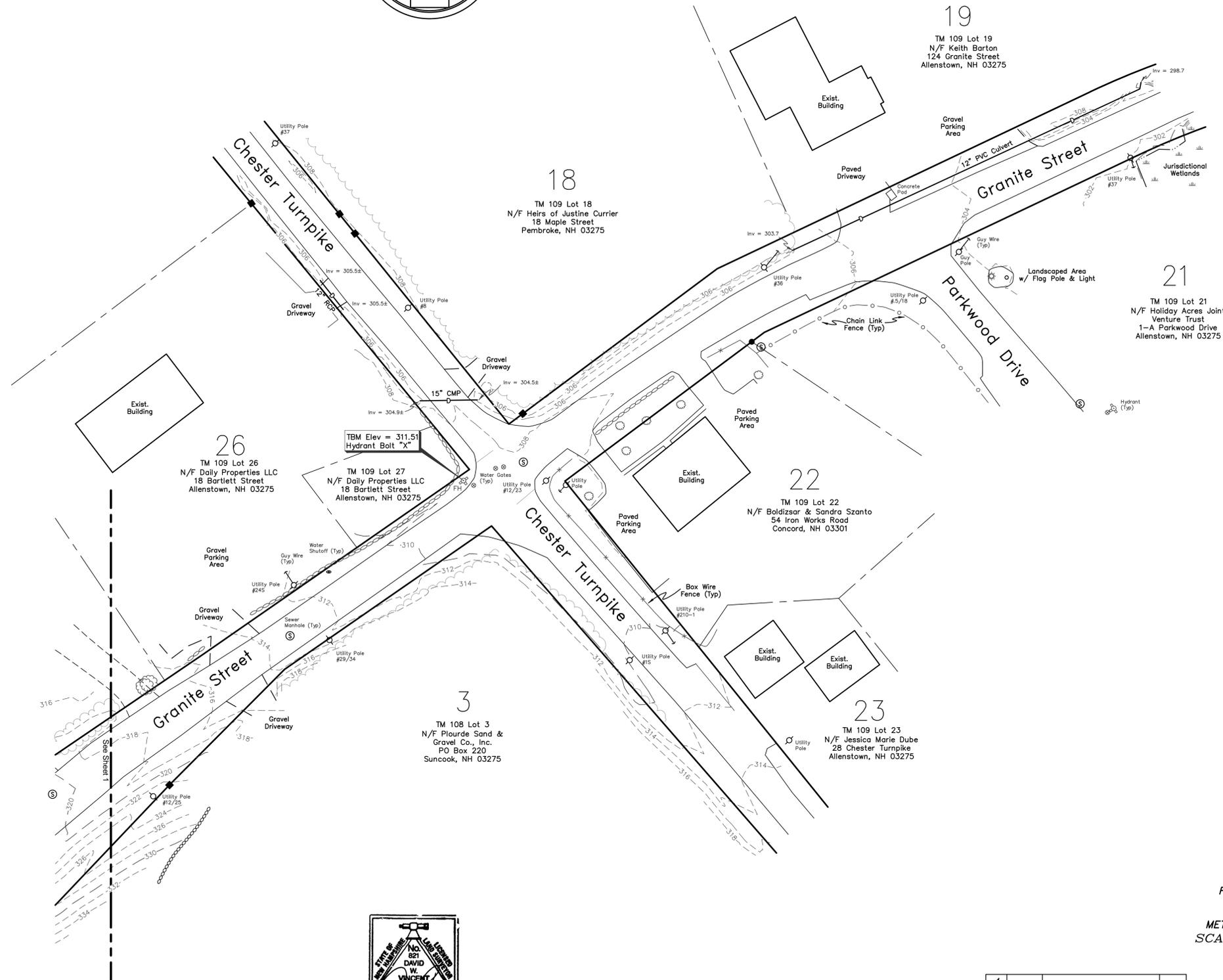
David W. Vincent, Licensed Land Surveyor No. 821

9  
 TM 108 Lot 9  
 N/F Getty Leasing, Inc.  
 125 Jericho Turnpike, Suite 103  
 New York, NY 11753

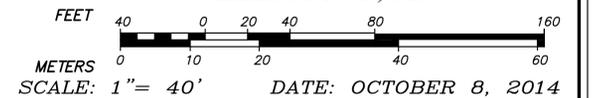


**Notes:**

- 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 warrant or 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 Hight 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 Hight 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  
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 COUNTY OF MERRIMACK  
**ALLENSTOWN, NH**



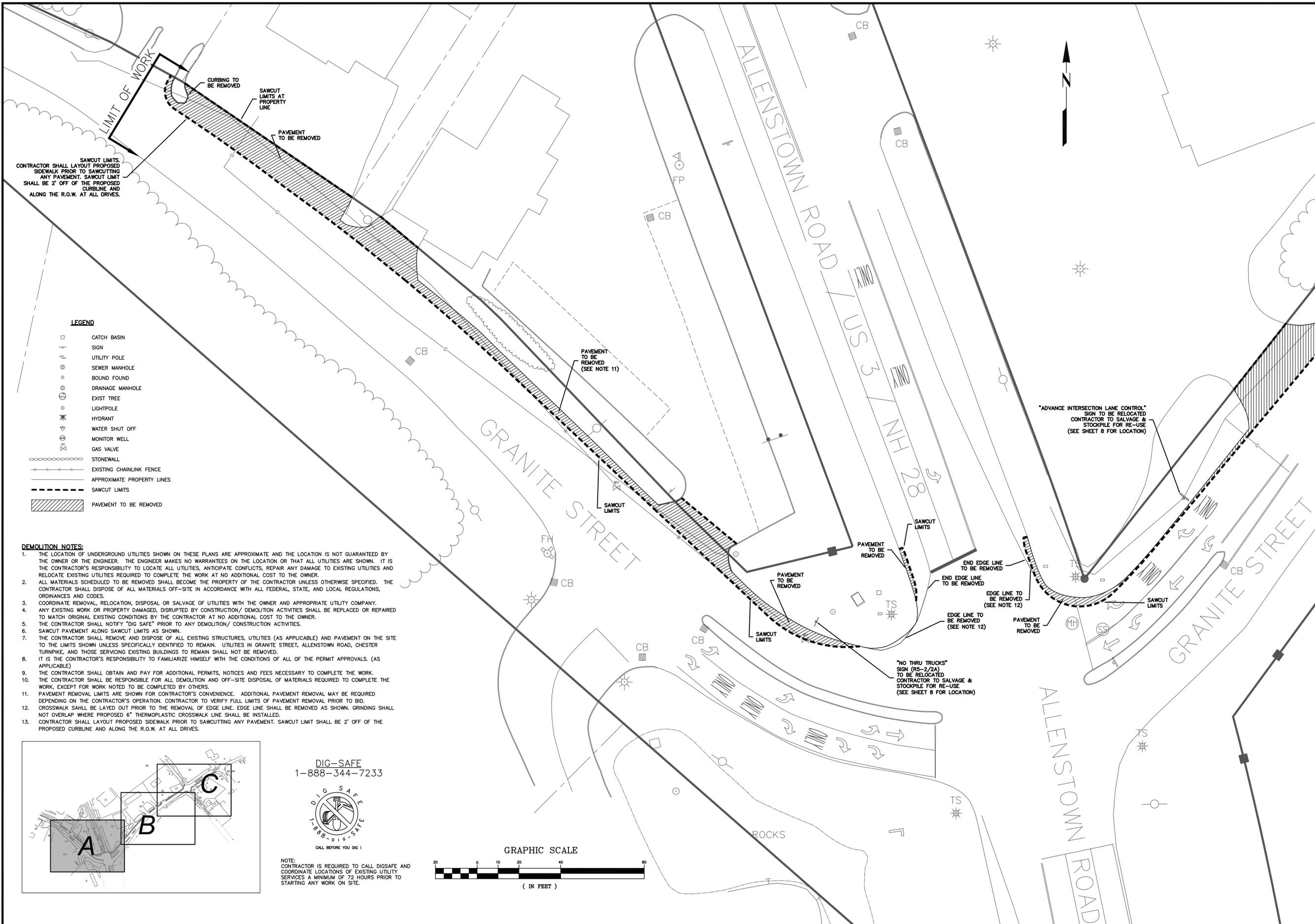
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 TEL: (603) 664-5786  
 www.landsurveying-service.net



24 November 2014  
Date

David W. Vincent, Licensed Land Surveyor No. 821

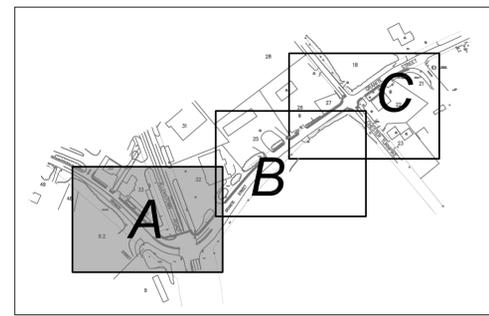
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4			
3			
2			
1	11/21/14	update stripping	div



SAWCUT LIMITS. 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.

- 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
  - SAWCUT LIMITS
  - PAVEMENT TO BE REMOVED

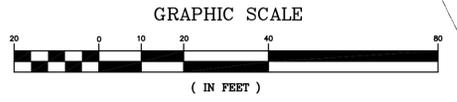
- DEMOLITION NOTES:**
- THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND THE LOCATION IS NOT GUARANTEED BY THE OWNER OR THE ENGINEER. THE ENGINEER MAKES NO WARRANTIES ON THE LOCATION OR THAT ALL UTILITIES ARE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR ANY DAMAGE TO EXISTING UTILITIES AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE OWNER.
  - 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.
  - COORDINATE REMOVAL, RELOCATION, DISPOSAL OR SALVAGE OF UTILITIES WITH THE OWNER AND APPROPRIATE UTILITY COMPANY.
  - 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.
  - THE CONTRACTOR SHALL NOTIFY "DIG SAFE" PRIOR TO ANY DEMOLITION/ CONSTRUCTION ACTIVITIES.
  - SAWCUT PAVEMENT ALONG SAWCUT LIMITS AS SHOWN.
  - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, UTILITIES (AS APPLICABLE) AND PAVEMENT ON THE SITE TO THE LIMITS SHOWN UNLESS SPECIFICALLY IDENTIFIED TO REMAIN. UTILITIES IN GRANITE STREET, ALLENSTOWN ROAD, CHESTER TURNPIKE, AND THOSE SERVICING EXISTING BUILDINGS TO REMAIN SHALL NOT BE REMOVED.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE CONDITIONS OF ALL OF THE PERMIT APPROVALS. (AS APPLICABLE)
  - THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK.
  - 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.
  - 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.
  - 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.
  - 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.



DIG-SAFE  
1-888-344-7233

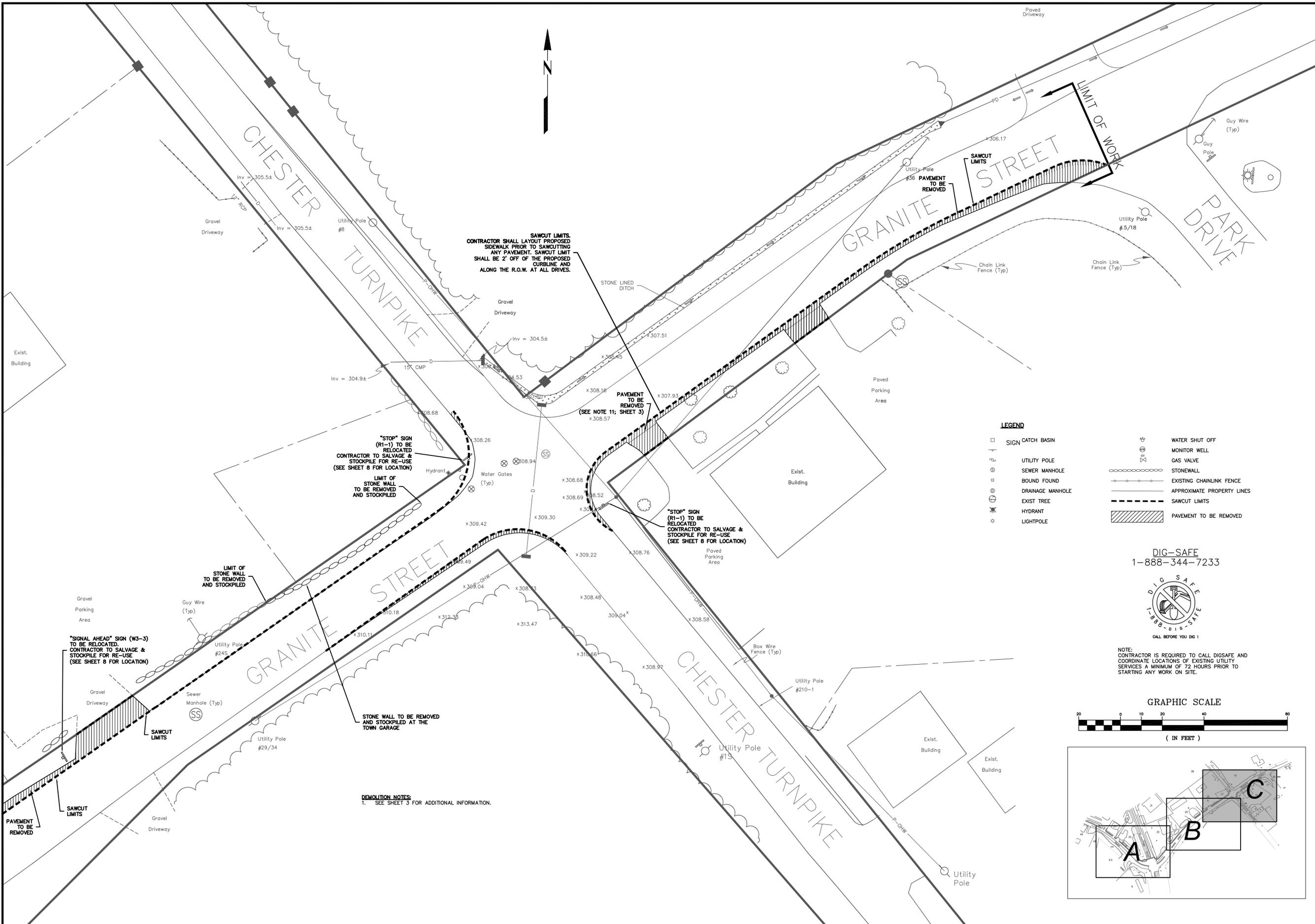


NOTE:  
CONTRACTOR IS REQUIRED TO CALL DIGSAFE AND COORDINATE LOCATIONS OF EXISTING UTILITY SERVICES A MINIMUM OF 72 HOURS PRIOR TO STARTING ANY WORK ON SITE.

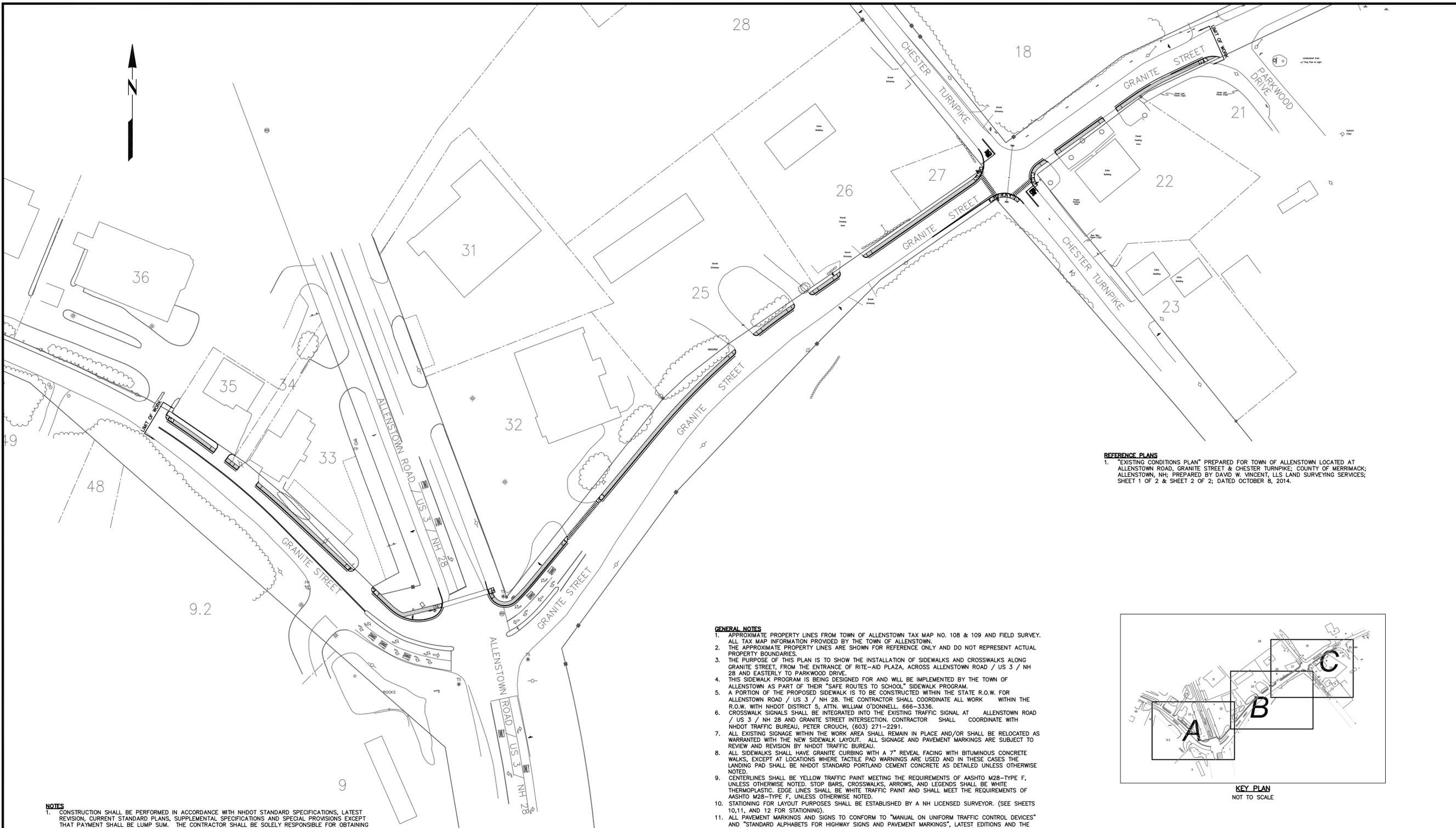


DATE: 10-7-14		NO.	
SCALE: 10' = 60'	DRAWN BY: SRD	PROJECT NO: 0928	1
DESIGN BY: SRD	APPROVED BY: SJH	FILE: SITE.DWG	
REVISION		NO.	DATE
1			12/1/2014
NHOT PRELIMINARY DESIGN COMMENTS		KMT	
HIGHT ENGINEERING, PLLC CIVIL ENGINEERS P.O. BOX 1166, 61 WATSON ROAD 603.750.4266. FAX 603.749.7348			
DEMOLITION PLAN - A		TOWN OF ALLENSTOWN 16 SCHOOL STREET ALLENSTOWN, NH 03275	
SRTS PROJECT #15891 FEDERAL PROJECT #X-4001(065) GRANITE STREET SIDEWALK CONSTRUCTION FROM RITE-AID TO PARKWOOD DRIVE ALLENSTOWN, NH 03275 MERRIMACK COUNTY		3	





DATE: 10-7-14	SCALE: 10' = 60'	DRAWN BY: SRD	DESIGN BY: SRD	APPROVED BY: SJH	PROJECT NO: 0928	FILE: SITE.DWG	NO.	1	REVISION	NO.	1	DATE	12/1/2014	APP'D	KMT	COMMENTS	PHOT PRELIMINARY DESIGN
<p><b>HAIGHT ENGINEERING, PLLC</b>  <b>CIVIL ENGINEERS</b>  <b>P.O. BOX 1166, 61 WATSON ROAD</b>  <b>ALLENSTOWN, NH 03275</b>  <b>603.750.4266 FAX 603.749.7948</b></p>																	
<p><b>TOWN OF ALLENSTOWN</b>  <b>16 SCHOOL STREET</b>  <b>ALLENSTOWN, NH 03275</b></p>																	
<p><b>DEMOLITION PLAN - C</b></p>																	
<p><b>5</b></p>																	



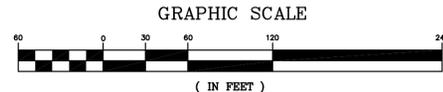
- NOTES**
- CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS, LATEST REVISION, CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS EXCEPT THAT PAYMENT SHALL BE LUMP SUM. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING AND BEING FAMILIAR WITH THE REQUIRED STANDARD SPECIFICATIONS AND PLANS.
  - 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.
  - ADJUSTING, ALTERING OR RELOCATING THE PROPERTY OF ANY PUBLIC UTILITY SHALL BE COORDINATED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITIES IN THE PERFORMANCE OF THEIR WORK.
  - 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.
  - THE CONTRACTOR SHALL ADJUST ALL CATCH BASINS, DROP INLETS AND FRAMES AND GRATES/COVERS AS NEEDED TO MATCH THE NEW PAVEMENT.
  - 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.
  - ALL WORK ON THIS PROJECT UNLESS OTHERWISE SHOWN ON THE PLANS OR ORDERED BY THE TOWN SHALL BE CONSTRUCTED WITHIN THE EXISTING ROW.
  - 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.
  - 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.
  - ADJUST ALL CATCH BASIN FRAMES AND GRATES AND CURB BOXES ETC... TO FINISH GRADE AS REQUIRED.

DIG-SAFE  
1-888-344-7233



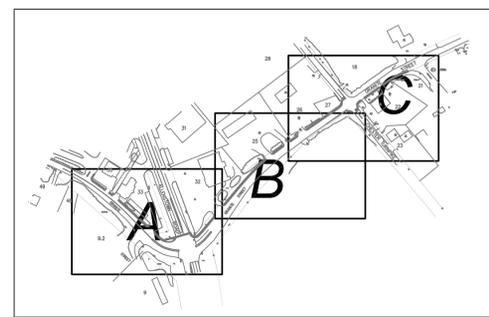
NOTE:  
CONTRACTOR IS REQUIRED TO CALL DIGSAFE AND COORDINATE LOCATIONS OF EXISTING UTILITY SERVICES A MINIMUM OF 72 HOURS PRIOR TO STARTING ANY WORK ON SITE.

- GENERAL NOTES**
- 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.
  - THE APPROXIMATE PROPERTY LINES ARE SHOWN FOR REFERENCE ONLY AND DO NOT REPRESENT ACTUAL PROPERTY BOUNDARIES.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - 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.
  - STATIONING FOR LAYOUT PURPOSES SHALL BE ESTABLISHED BY A NH LICENSED SURVEYOR. (SEE SHEETS 10,11, AND 12 FOR STATIONING).
  - 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.
  - SEE DETAILS FOR SIGNS AND SIGN POST (SHEET 15).
  - STOP BARS SHALL BE 18" WIDE SOLID WHITE LINES.
  - CONTRACTOR SHALL CONTACT DIG-SAFE A MINIMUM OF 72 HOURS PRIOR TO THE START OF ANY WORK. (1-888-344-7233)



**REFERENCE PLANS**

- "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**
- |   |                  |   |                            |
|---|------------------|---|----------------------------|
| □ | 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 |
| ⊕ | EXISTING TREE    |   |                            |
| ⊕ | HYDRANT          |   |                            |
| ⊕ | LIGHTPOLE        |   |                            |

DATE: 10-7-14	NO.	REVISION	APP'D	DATE
DRAWN BY: SRD				
DESIGN BY: SRD				
APPROVED BY: SJH				
PROJECT NO: 0928	1	NHDOT PRELIMINARY DESIGN COMMENTS	KMT	12/1/2014
FILE: SITE.DWG				



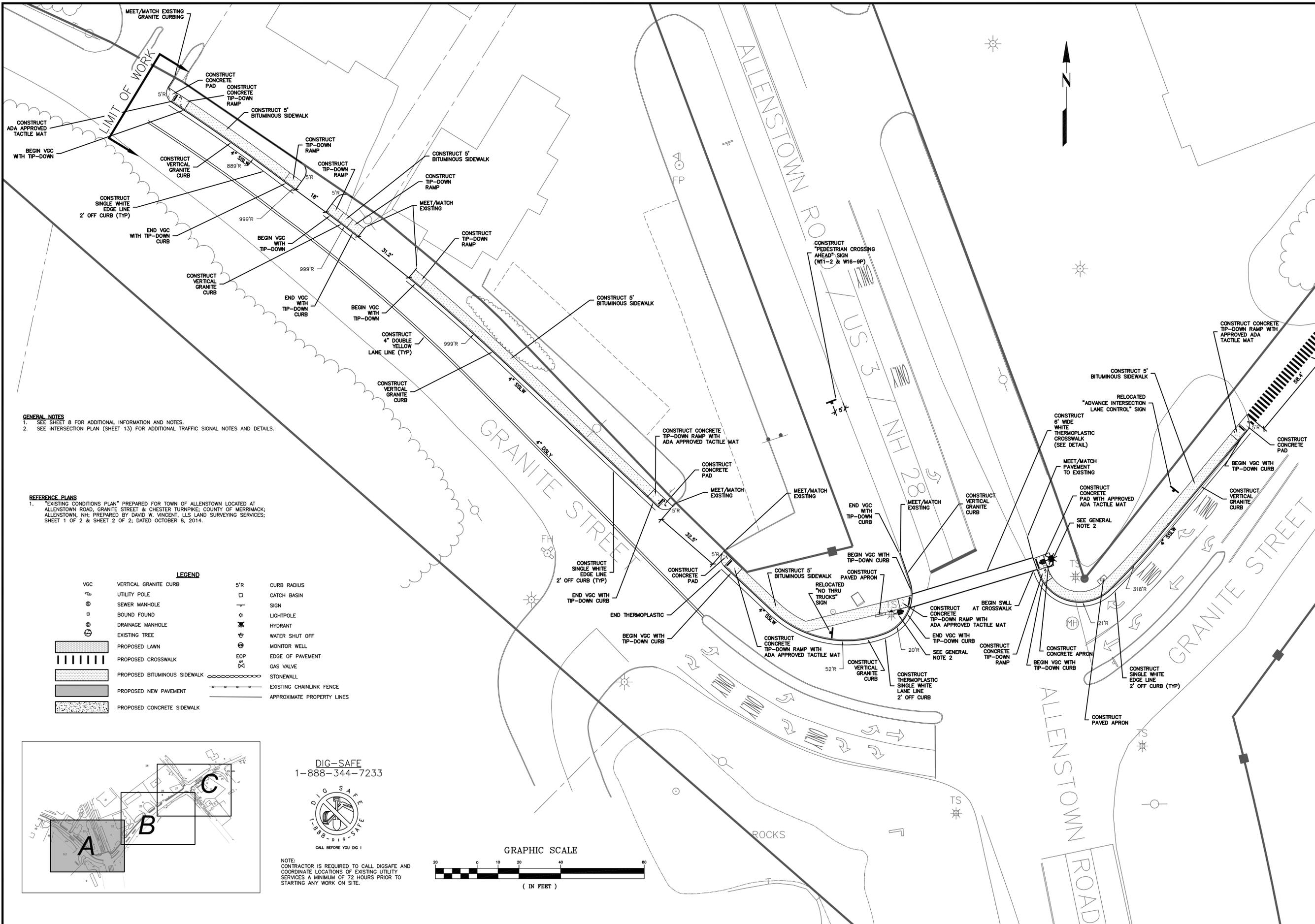
TOWN OF ALLENSTOWN  
16 SCHOOL STREET  
ALLENSTOWN, NH 03275

OVERALL SITE PLAN

SRTS PROJECT #15891  
FEDERAL PROJECT #X-1001(065)  
GRANITE STREET SIDEWALK CONSTRUCTION  
FROM RITE-AID TO PARKWOOD DRIVE  
ALLENSTOWN, NH 03275  
MERRIMACK COUNTY

6

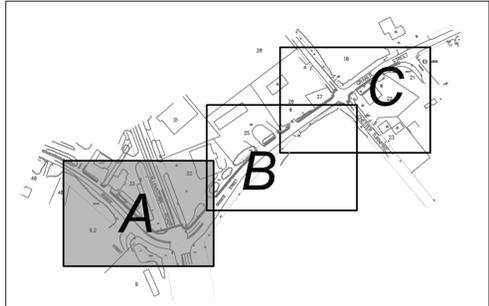
HAIGHT ENGINEERING, PLLC  
CIVIL ENGINEERS  
P.O. BOX 1166, 61 WATSON ROAD  
ALLENSTOWN, NH 03275  
603.750.4266 FAX 603.749.7348



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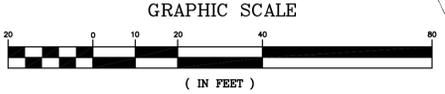
LEGEND	
VGC	VERTICAL GRANITE CURB
⊕	UTILITY POLE
⊙	SEWER MANHOLE
⊙	BOUND FOUND
⊙	DRAINAGE MANHOLE
⊙	EXISTING TREE
▨	PROPOSED LAWN
▨	PROPOSED CROSSWALK
▨	PROPOSED BITUMINOUS SIDEWALK
▨	PROPOSED NEW PAVEMENT
▨	PROPOSED CONCRETE SIDEWALK
5'R	CURB RADIUS
□	CATCH BASIN
+	SIGN
*	LIGHTPOLE
⊕	HYDRANT
⊕	WATER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



DIG-SAFE  
 1-888-344-7233



NOTE:  
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HAIGHT ENGINEERING, PLLC CIVIL ENGINEERS P.O. BOX 1166, 61 WATSON ROAD ALLENSTOWN, NH 03275 603.750.4266 FAX 603.749.7948	
DATE	10-7-14
SCALE	10' = 60'
DRAWN BY	SRD
DESIGN BY	SRD
APPROVED BY	SJH
PROJECT NO.	0928
FILE	SITE.DWG
NO.	1
REVISION	
APP'D	
DATE	12/1/2014

TOWN OF ALLENSTOWN  
 16 SCHOOL STREET  
 ALLENSTOWN, NH 03275

SITE PLAN - A  
 SRPS PROJECT #15891  
 FEDERAL PROJECT #X-4001(065)  
 GRANITE STREET SIDEWALK CONSTRUCTION  
 FROM RITE-AID TO PARKWOOD DRIVE  
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 MERRIMACK COUNTY

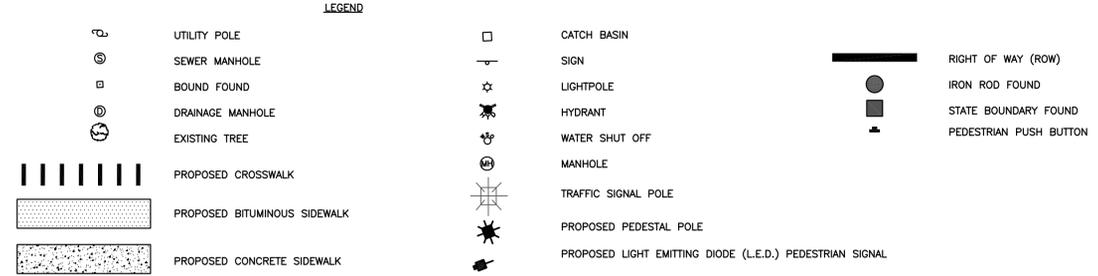
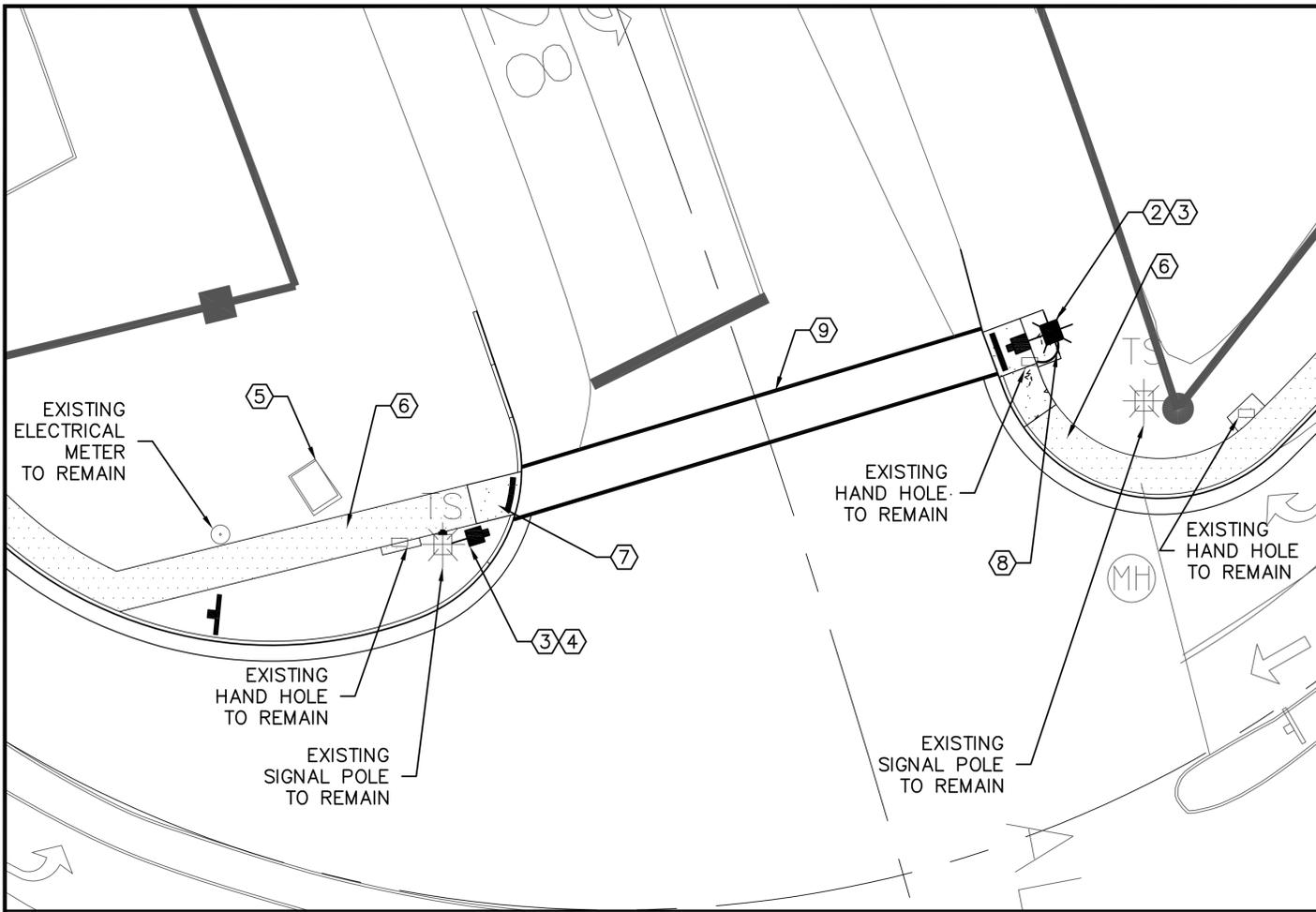






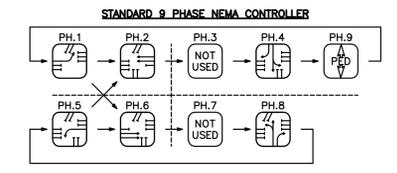






- CONSTRUCTION NOTES**
- PROPOSED SIGNAL POLE WITH PEDESTAL MOUNTED LED PEDESTRIAN SIGNAL SHALL BE NHDOT APPROVED 8' ALUMINUM PEDESTAL WITH FOUNDATION. PEDESTRIAN SIGNAL HEAD SHALL BE MOUNTED USING "POST TOP" MATERIAL. (SEE NEW PEDESTRIAN SIGNAL POLE DETAIL)
  - PROPOSED PEDESTRIAN PUSH BUTTON OPERATOR. SHALL BE MOUNTED AT A LOCATION COMPLIANT WITH NHDOT AND ADA.
  - PROPOSED L.E.D. PEDESTRIAN SIGNAL HEAD. SHALL BE INSTALLED ON THE EXISTING MAST ARM USING "SIDE OF POLE" MATERIAL.
  - 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.
  - PROPOSED 5' WIDE BITUMINOUS CONCRETE SIDEWALK.
  - PROPOSED REINFORCED CONCRETE PAD WITH TACTILE MAT.
  - PROPOSED 2" PVC SCHEDULE 40 CONDUIT FROM EXISTING HAND HOLE TO PROPOSED SIGNAL POLE WITH PEDESTAL MOUNTED LED PEDESTRIAN SIGNAL.
  - PROPOSED 6' WIDE THERMO-PLASTIC CROSSWALK.

- GENERAL NOTES**
- SEE PLAN REF. 2 (SHEET 15 OF THIS PLAN SET) FOR ADDITIONAL INTERSECTION INFORMATION.
  - CONTRACTOR SHALL CONTACT NHDOT, PETER CROUCH, P.E., (603) 271-2291, TO REVIEW INSTALLATION OF TRAFFIC CONTROL DEVICES AND SIGNAL PHASING.
  - LED: LIGHT EMITTING DIODE
  - ALL SIGNAL WORK SHALL BE CONDUCTED IN CONFORMANCE WITH THE LATEST NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
  - 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'.
  - THE CONDUCTIVITY OF THE SPARE CABLES WAS CONFIRMED BY HAIGHT ENGINEERING ON NOVEMBER 17, 2014.
  - 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 INTERSECTION.
  - THE PEDESTRIAN CROSSING SHALL BE ON AN EXCLUSIVE PHASE 9 TO BE CALLED FOLLOWING THE MINOR STREET CLEARANCE, PHASES 4&8, AND/OR PRIOR TO RETURNING TO THE MAJOR STREET PHASES 2&6.
  - THE PEDESTRIAN WALK AND CLEARANCE TIME SHALL BE FULLY SERVICED ONCE THE PEDESTRIAN PHASE BEGINS.
  - 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 PRECEPTION CALL.



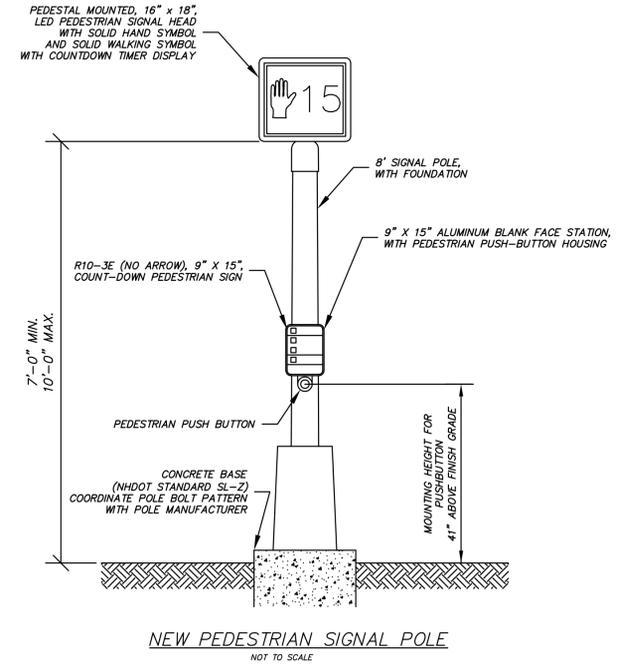
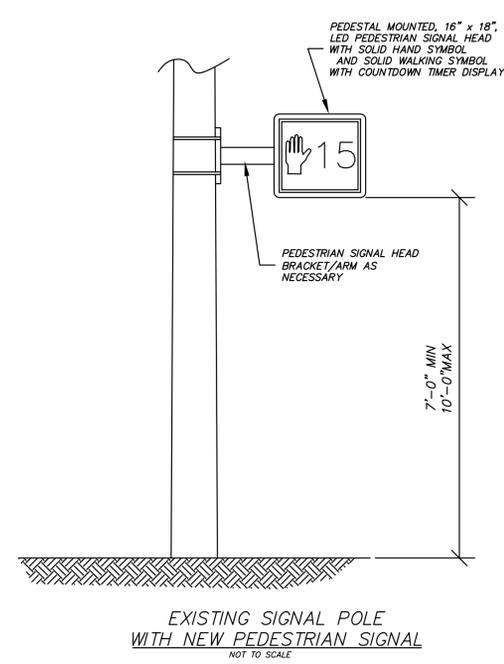
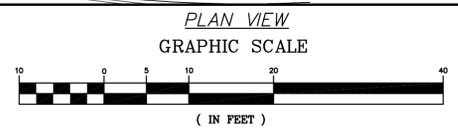
**PROPOSED SIGNAL PHASING**

	PH.1	PH.2	PH.3	PH.4	PH.5	PH.6	PH.7	PH.8	PH.9
CONTROLLER TIMING IN SECONDS	5	10	NOT USED	5	5	10	NOT USED	5	5
INITIAL INTERVAL	3	3	3	3	3	3	3	3	3
PASSAGE	4	4	4	4	4	4	4	4	4
YELLOW	2	2	2	2	2	2	2	2	3
ALL RED	10	40	10	15	40	15	10	15	15
MAXIMUM I	10	30	10	20	30	15	10	20	15
MAXIMUM II									
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**
- "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.
  - "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.



HAIGHT ENGINEERING, PLLC  
 CIVIL ENGINEERS  
 P.O. BOX 1166, 681 WATSON ROAD  
 ALLENSTOWN, NH 03275  
 603.750.4266 FAX 603.749.7348

DATE	SCALE	DRAWN BY	DESIGN BY	APPROVED BY	PROJECT NO.	NHDOT PROJECT NO.	NO.	REVISION
10-7-14	10' = 60'	SRD	SRD	SJH	NO.0928	12/1/2014	1	

**TOWN OF ALLENSTOWN  
 16 SCHOOL STREET  
 ALLENSTOWN, NH 03275**

**SRTS PROJECT #15891  
 FEDERAL PROJECT #X-4001(065)  
 GRANITE STREET SIDEWALK CONSTRUCTION  
 FROM RITE-AID TO PARKWOOD DRIVE  
 ALLENSTOWN, NH 03275  
 MERRIMACK COUNTY**

**INTERSECTION PLAN**

**13**

DIG-SAFE  
 1-888-344-7233



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.





