



LEBANON PEDESTRIAN & BICYCLIST ADVISORY COMMITTEE

MAY 7, 2024 - 7:00 PM

COUNCIL CHAMBERS, CITY HALL OR
REMOTE VIA VIRTUAL PLATFORM
LEBANONNH.GOV/LIVE

1. Call to Order

- A. To participate in this meeting, please [join live via Microsoft Teams](#) or call 929-229-5356 (access code: 743 622 780#). If you have trouble accessing this meeting, please [email catheryn.hembree@lebanonnh.gov](mailto:catheryn.hembree@lebanonnh.gov).

2. Approval of Minutes

- A. April 2, 2024

3. Study Items

- A. Guest from Department of Public Works - Tad Montgomery/Ebike Chargers
- B. Guest from Department of Public Works - Rod Finley/Repaving, Striping Projects
- C. Review Complete Streets Policy
- D. Updates from Other Boards
- Planning & Development
 - Planning Board
 - City Council
 - Police Reports
 - Mascoma River Greenway Coalition
 - Class VI Roads
 - Friends of the Northern Rail Trail
 - Communications Plan

4. Open to the Public

5. Other Business

6. Future Agenda Items

7. Adjournment

The order of agenda items is subject to change.

Meetings are open for in-person and remote attendance. Members of the public that wish to attend remotely may do so by going to [LebanonNH.gov/Live](https://lebanonnh.gov/Live) where you will find instructions on how to enter the meeting. Members of the public will be able to participate and ask questions through the City's virtual platform or by phone. Please note: Should technical difficulties occur during the meeting that disrupts virtual or phone connection(s), the meeting will continue without remote access capabilities.

DRAFT

**PEDESTRIAN & BICYCLIST ADVISORY COMMITTEE
REGULAR MEETING MINUTES
COUNCIL CHAMBERS– CITY HALL &
REMOTE VIA VIRTUAL PLATFORM LebanonNH.gov/LIVE
7:00 PM, APRIL 2, 2024**

MEMBERS PRESENT: Colin Smith (Chair); Marie McCormick; Sean Dittrich; Erling Heistad (City Council)

MEMBERS ABSENT: George Sykes (City Council, Alt); Clifton Below (Alt); Jared Toon (Alt); Haynes Bunn; Tim Gilbert; Amy Chan (Friends of the Northern Rail Trail representative)

STAFF PRESENT: Catheryn Hembree (Associate Planner), Paul Coats (Director of Lebanon Parks & Rec)

1) CALL TO ORDER:

Chair Smith called the meeting to order at 7:00 PM.

2) APPROVAL OF MINUTES

A. March 5, 2024

A MOTION was made by Mr. Heistad to approve the meeting minutes of March 5, 2024, as presented.

Seconded by Mr. Dittrich.

**The vote on the MOTION was approved (4-0-0).*

3) OPEN TO THE PUBLIC:

None at this time.

4) STUDY ITEMS

A. Guest from Police Department, Captain Alan Lowe

Deputy Police Chief Matthew Isham and Captain Alan Lowe addressed the Committee. They explained that, from a law enforcement perspective, the Department would like to have a traffic enforcement officer position at some point. Many multimodal events are dependent on staffing. Another challenge includes education in the community.

There was discussion regarding e-bikes and pedestrians. Deputy Police Chief Isham stated that he believes there are a small number of repeat violators creating most of the issues.

There was discussion regarding the detail of the crash reports that the Committee reviews.

B. Vote on asking City Council to make Friends of the Northern Rail Trail seat a citizen at large seat

A MOTION was made by Mr. Dittrich to make the Friends of the Northern Rail Trail seat a general seat on the Committee. Seconded by Ms. McCormick.

**The vote on the MOTION was approved (4-0-0).*

C. Review Complete Streets Policy

The Committee reviewed the draft Complete Streets Policy. There was agreement to continue to work through the sections at future meetings.

4) UPDATES FROM OTHER BOARDS

A. Updates from Other Boards

- Planning & Development

No updates at this time.

- Planning Board

No updates at this time.

- City Council

Mr. Heistad stated that the Council discussed a zoning topic regarding allowing auto sales and service in the area near the Fort/Armory. A new Health Officer position was authorized, and this person will also be the head Building Inspector.

- Police Reports

No updates at this time.

- Mascoma River Greenway Coalition

Mr. Coats reviewed that Mr. Dittrich, Chair Smith, Ms. Chan, and Ms. Bunn were interested in serving on the citizens coalition team for this project. The first meeting for the group will be announced later this week and will then likely meet once a month. The project will hopefully start this November when the CMAQ grant opens. The design and permitting MEPA phase will likely take at least a year to complete. Bidding and construction may occur in 2026.

Ms. Hembree stated that Staff received good feedback from the State regarding connecting the Boston Lot and the Mascoma River Greenway.

- Class VI Roads

No updates at this time.

- Friends of the Northern Rail Trail

No updates at this time.

- Communications Plan

Ms. McCormick explained that planning has started for Curb the Car Day. The intention is to hold the event on May 17th. She noted that the Committee has sent out a safety alert at this time of year for pedestrian and cyclist safety.

5) OTHER BUSINESS

None at this time.

6) FUTURE AGENDA ITEMS

It was noted that DPW Staff would be joining the Committee at its next meeting to hold a discussion on relevant topics, including upcoming striping projects.

7) ADJOURMENT:

A MOTION was made by Mr. Heistad to adjourn the meeting. Seconded by Mr. Dittrich.

**The vote on the MOTION was approved (4-0-0).*

The meeting was adjourned at 8:36 PM.

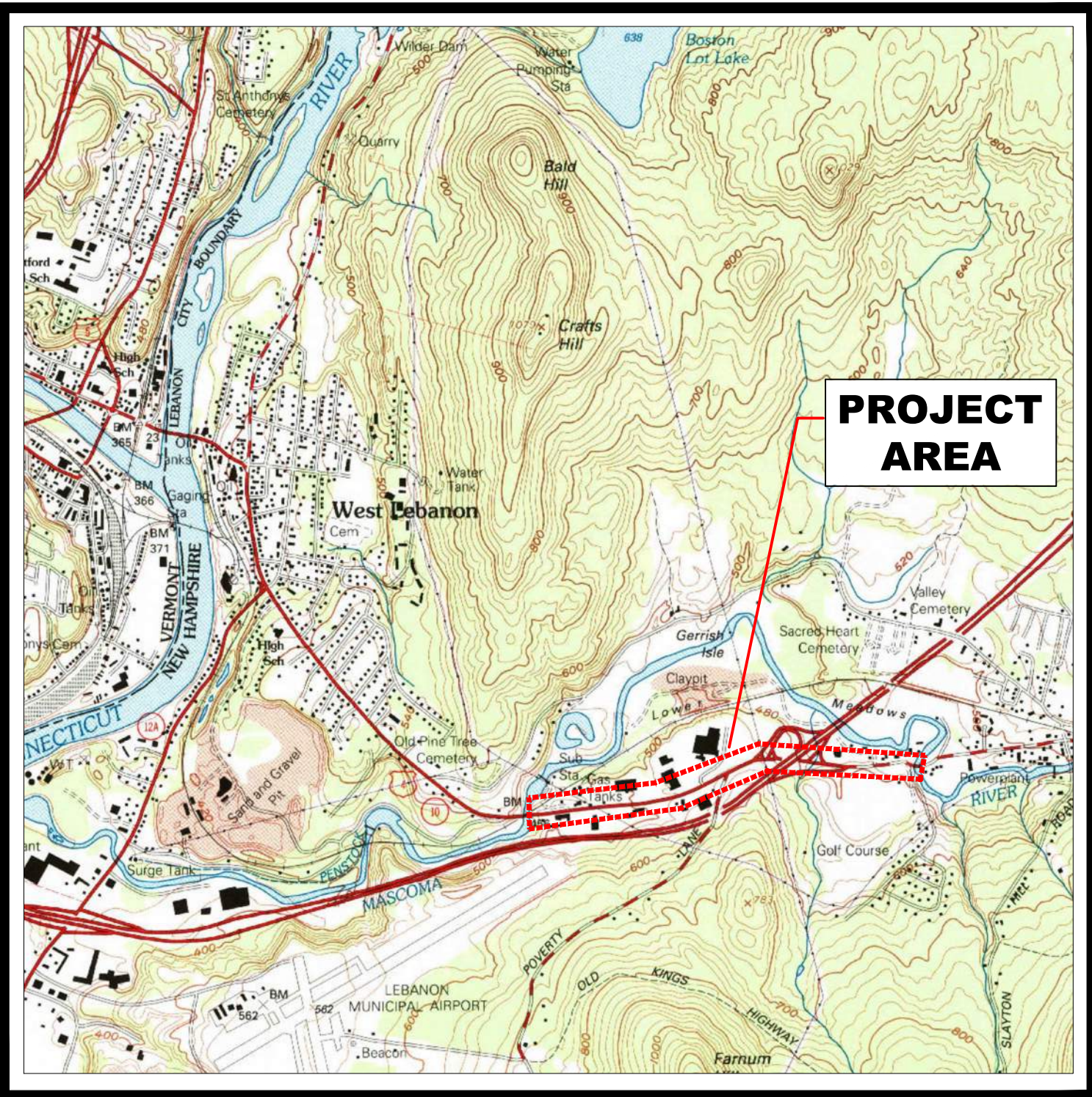
Respectfully submitted,
Kristan Patenaude, Recording Secretary

CITY OF LEBANON NEW HAMPSHIRE

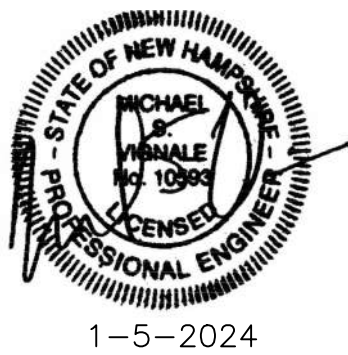
MIRACLE MILE PAVING PROJECT

DARTMOUTH COLLEGE HIGHWAY (US ROUTE 4 AND NH ROUTE 10)

<u>SHEET NO.</u>	<u>SHEET TITLE</u>
1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3-7	CONSTRUCTION PLANS



Locus Map
Not to Scale



KVPartners LLC

P.O. Box 432
New Boston, NH 03070
(603) 413-6650

JANUARY 2024

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROVED DRAWINGS, SPECIFICATIONS, AND ANY ISSUED ADDENDA.
2. THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY PRIOR TO PROCEEDING WITH WORK.
3. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND SPECIFICATION, THE CITY SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
4. BASE MAP INFORMATION IS THE 2021 AERIAL PHOTOGRAPHS AND NOT GUARANTEED FOR ACCURACY.
5. THE CONTRACTOR SHALL VERIFY ALL RELEVANT ANGLES, LENGTHS, ELEVATIONS, AND INVERTS PRIOR TO CONSTRUCTION.
6. THE LOCATION OF EXISTING UTILITIES AND SUBSURFACE STRUCTURES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND APPROPRIATE UTILITY AUTHORITY OF ANY DISCREPANCY WITH THE DRAWINGS. NEITHER THE ENGINEER NOR THE OWNER WARRANTS OR GUARANTEES THE CONDITIONS SHOWN ON THE DRAWINGS.
7. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SUBSURFACE STRUCTURES AND UTILITIES THROUGH THE APPROPRIATE AGENCY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL CALL THE DIG-SAFE CENTER (1-888-344-7233) AT LEAST 72 BUSINESS HOURS PRIOR TO ANY EXCAVATION.
8. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITY WITH THE VARIOUS AFFECTED UTILITY AUTHORITIES TO PREVENT UNNECESSARY DELAY OF WORK OR INTERRUPTION OF SERVICES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND SUPPORTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING SUCH ACTIVITY WITH THE APPROPRIATE UTILITY AUTHORITY. UTILITIES DESTROYED OR DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE UTILITY AUTHORITY AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN A SAFE MANNER AT ALL TIMES DURING CONSTRUCTION AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND AS REQUIRED BY THE NHDOT. IT IS UNDERSTOOD THAT NO ROADWAYS WILL BE CLOSED AND NO DETOURS WILL BE PERMITTED TO ACCOMMODATE CONSTRUCTION AND THE CONTRACTOR SHALL PLAN THE CONSTRUCTION ACTIVITIES ACCORDINGLY.
11. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ACCESS TO ALL ABUTTING PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES, UNLESS OTHERWISE APPROVED BY THE OWNER.
12. THE CONTRACTOR SHALL CONFINE ALL OPERATIONS AND ACTIVITIES FOR CONSTRUCTION PURPOSES TO THE CITY'S RIGHT-OF-WAY OR IN STAGING/STOCKPILE AREAS APPROVED BY THE CITY. THE CONTRACTOR SHALL LOCATE STAGING AREAS THROUGH AGREEMENTS WITH AFFECTED PROPERTY OWNERS, OR PROVIDE ALTERNATE MEANS TO STORE MATERIAL AT THE WORK AREA AS REQUIRED.
13. DURING NON-WORKING HOURS, THE CONTRACTOR SHALL SECURE ALL EQUIPMENT AND MATERIALS WITHIN THE LIMITS OF WORK.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PAVEMENT, ROADWAYS, SIGNS, CURBS, SIDEWALKS, DRIVEWAYS, MAILBOXES, FENCES, PLANTINGS OR OTHER PHYSICAL FEATURES CAUSED BY THE CONTRACTOR'S ACTIVITIES AND SHALL REPAIR THEM AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS BEYOND THE LIMITS OF CONSTRUCTION WHICH ARE DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
15. THE CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO MINIMIZE THE AMOUNT OF DEBRIS THAT COLLECTS IN CATCH BASINS, CULVERTS AND MANHOLES. THE CONTRACTOR SHALL CLEAN ALL CATCH BASINS, CULVERTS AND MANHOLES AFFECTED BY CONSTRUCTION IN ORDER TO MAINTAIN AN OPERATING SYSTEM.
16. ALL EXISTING CURB, SIGNS, DRAINAGE STRUCTURES, UTILITIES AND ANY OTHER MATERIALS WITHIN THE RIGHT OF WAY THAT ARE REMOVED BY THE CONTRACTOR MAY BE INSPECTED BY THE OWNER. THE OWNER RESERVES THE RIGHT TO RETAIN OWNERSHIP AND MAY DIRECT THE CONTRACTOR TO SALVAGE AND STOCKPILE ANY SUCH EXISTING MATERIALS AT NO ADDITIONAL COST TO THE OWNER. ANY EXISTING MATERIALS THE OWNER CHOOSES NOT TO SALVAGE AND STOCKPILE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
17. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FROM APPLICABLE GOVERNMENTAL AGENCIES, INCLUDING THE OWNER, PRIOR TO THE START OF ANY CONSTRUCTION.
18. THE CONTRACTOR IS REQUIRED TO PROVIDE ADEQUATE SHORING FOR THE SOIL CONDITIONS AND DEPTHS ENCOUNTERED DURING CONSTRUCTION.
19. IN THE EVENT THE CONTRACTOR ENCOUNTERS EXISTING MATERIAL REASONABLY BELIEVED TO BE HAZARDOUS WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND REPORT THE CONDITION TO THE OWNER AND ENGINEER. WORK IN THE AFFECTED AREA SHALL NOT RESUME UNTIL WRITTEN VERIFICATION BY THE OWNER THAT THE MATERIAL HAS BEEN REMOVED OR OTHERWISE BEEN RENDERED HARMLESS.
20. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE CONTRACT DOCUMENTS. ALL DRAWINGS OF ANY PARTICULAR TRADE SHALL BE USED IN CONJUNCTION WITH DRAWINGS OF ALL OTHER TRADES TO COORDINATE THE CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED WORK. ANY PROPOSED CHANGES, VARIATIONS, OR SUBSTITUTIONS MUST BE REVIEWED AND ACCEPTED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
21. ALL PROPOSED WORK WILL BE COMPLETED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS AND DETAILS (LATEST VERSION AND ALL AMENDMENTS) UNLESS OTHERWISE NOTED ON THESE PLANS OR SPECIFIED IN THE CONTRACT DOCUMENTS.
22. ALL WATER GATES, MANHOLES AND CATCH BASINS WITHIN THE PROJECT LIMITS WILL BE ADJUSTED TO GRADE BY THE CONTRACTOR. GAS GATES AND TELEPHONE MANHOLES WILL BE ADJUSTED BY THE EFFECTED UTILITY COMPANY. THE CONTRACTOR WILL COORDINATE ALL UTILITY RELOCATIONS (BY OTHERS) WITH THE APPROPRIATE UTILITY COMPANY.
23. IF THE CONTRACTOR ANTICIPATES AN OVERAGE IN MATERIAL QUANTITIES INCLUDED IN THE CONTRACT, THE CONTRACTOR MUST NOTIFY THE CITY IMMEDIATELY PRIOR TO PROCEEDING.
24. ANY SURFACE OR SUBSURFACE FEATURES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY, WERE FOUND IMMEDIATELY PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE RESTORATION SHALL BE AT THE CONTRACTORS SOLE EXPENSE.
25. THE CITY ASSUMES NO RESPONSIBILITY FOR WORK COMPLETED BY THE CONTRACTOR.
26. ALL PAVEMENT MARKINGS WILL BE THERMOPLASTIC IN ACCORDANCE WITH NHDOT SPECIFICATIONS.

CONSTRUCTION SEQUENCE/REQUIREMENTS:

1. ONCE THE CONTRACT IS SIGNED, THE PRIME CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DETAILED CONSTRUCTION SCHEDULE TO THE CITY FOR REVIEW PRIOR TO THE PRE-CONSTRUCTION MEETINGS.
2. THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING FOR THE PROJECT WITH THE CITY, AND OTHER PROJECT PARTIES PRIOR TO MOBILIZING TO THE SITE AND STARTING CONSTRUCTION. THE PRIME CONTRACTOR'S MAJOR SUBCONTRACTORS ON THE PROJECT MUST ATTEND THE PRE-CONSTRUCTION MEETING.
3. THE CONTRACTOR SHALL SUBMIT ALL MATERIAL SUBMITTALS AND SHOP DRAWINGS TO THE CITY FOR APPROVAL PRIOR TO ANY MATERIALS BEING DELIVERED TO THE PROJECT SITE.
4. THE CONTRACTOR SHALL COMPLETE A PRE-CONSTRUCTION PHOTOGRAPHIC SURVEY OF THE ENTIRE PROJECT SITE, INCLUSIVE OF BUT NOT LIMITED TO, ALL DRIVEWAYS, ADJACENT ACCESS ROADS, STONE OR CONCRETE WALLS, AND OFF-SITE STAGING AREAS PRIOR TO THE START OF CONSTRUCTION. THE PURPOSE OF THIS SURVEY IS TO RECORD EXISTING CONDITIONS FOR THE PURPOSE OF DISPUTE RESOLUTION OF COMPLAINTS AND REPORTED DAMAGES DURING AND FOLLOWING CONSTRUCTION. ONE THUMB DRIVE CONTAINING ALL PHOTOS SHALL BE PROVIDED TO THE CITY PRIOR TO CONSTRUCTION. ALL PHOTOGRAPHS SHALL BE DATE STAMPED.
5. THE PRIME CONTRACTOR SHALL ATTEND WEEKLY MEETINGS TO BE HELD AT THE CITY OF LEBANON DEPARTMENT OF PUBLIC WORKS. THE CONTRACTOR AND MAJOR SUBCONTRACTOR'S ARE REQUIRED TO ATTEND ALL MEETINGS TO PROVIDE UPDATES AND DISCUSS OUTSTANDING ITEMS. THE CITY WILL BE RESPONSIBLE FOR MEETING AGENDAS AND RECORD MEETING MINUTES AS NEEDED.
6. REQUIRED EROSION CONTROL BEST MANAGEMENT PRACTICES MUST BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION. INLET PROTECTION DEVICES MUST BE INSTALLED IN ALL STRUCTURES WITH SURROUNDING EARTH DISTURBANCES OR ADJACENT TO CONSTRUCTION TRACKING ON-SITE.
7. ALL STAGING AND LAYDOWN AREAS MUST BE RESTORED TO ORIGINAL CONDITION OR BETTER PRIOR TO FINAL COMPLETION ON THE PROJECT.
8. ALL TEMPORARY EROSION CONTROL COMPONENTS (I.E. SILT SOXX) MUST BE REMOVED AND DISPOSED OF OFF SITE FOLLOWING PERMANENT STABILIZATION AS DETERMINED BY THE ENGINEER.

EXISTING UTILITY NOTES

1. UTILITY INFORMATION SHOWN HEREON WAS OBTAINED FROM THE BEST AVAILABLE SOURCE AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, SHOWN OR NOT SHOWN HEREON. CONTRACTOR SHALL CONNECT OR RECONNECT ALL UTILITIES TO THE NEAREST SOURCE THROUGH COORDINATION WITH THE UTILITY OWNER. EXPLORATORY EXCAVATION SHALL BE REQUIRED TO VERIFY LOCATION AND SIZE OF EXISTING UTILITIES AND APPURTENANCES.
2. THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING UTILITY SERVICE (PRIVATE OR PUBLIC) WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER.
3. SUBSURFACE FEATURES SUCH AS ELECTRIC AND TELEPHONE LINES, WATER LINES, SEWER LINES, STORM DRAIN AND CULVERTS, ETC., ENCOUNTERED IN THE CONSTRUCTION OF THE PROJECT SHALL BE PROTECTED, SUPPORTED, OR REMOVED AND REPLACED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT UNLESS PAYMENT IS SPECIFICALLY NOTED AS A SEPARATE PAY ITEM. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES AND/OR HIGHWAY DEPARTMENTS WHEN THE WORK INVOLVES THEIR RESPECTIVE FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO START OF ANY CONSTRUCTION. THE CITY SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION AGREED TO BY THE CITY BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING "DIG-SAFE" (886-DIG-SAFE) AT LEAST 72 HOURS PRIOR TO DIGGING.
4. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES OWNING UTILITIES, EITHER OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL COORDINATE MATERIALS AND INSTALLATION SPECIFICATIONS WITH THE INDIVIDUAL UTILITY AGENCIES/COMPANIES, AND ARRANGE FOR ALL INSPECTIONS.

UTILITY CONTACTS AS FOLLOWS:

ELECTRIC: LIBERTY UTILITIES
MEL EMERSON, 407 MIRACLE MILE #2, LEBANON, NH 03766, 603-306-8215

TELEPHONE: CONSOLIDATED COMMUNICATIONS
JOHN POMEROY, 119 GATES STREET, WRJ, VT 05001, 802-295-8187 AND 802-735-7029

CABLE TELEVISION: COMCAST
DAN DEZAFRA, 166 HANOVER STREET, LEBANON, NH 03766, 603-678-8271

WATER DRAINAGE: CITY OF LEBANON
JAY CAIRELLI, ASSISTANT PUBLIC WORKS DIRECTOR 603-448-3112

FIRE DEPARTMENT: LEBANON FIRE DEPARTMENT
JEFFREY LIBBY, 802-448-8810

PAVEMENT NOTES

PROPOSED PAVEMENT STRUCTURE WILL CONSIST OF THE FOLLOWING:

ROADWAYS
1 1/2" COLD PLANE
TACK COAT (NHDOT STANDARD APPLICATION RATES)
1 1/2" BIT. CONC. SURFACE COURSE

STAMPED CONCRETE SURFACES
4" CEM. CONC. SURFACE
6" FINE CRUSHED STONE BASE COURSE

NOTES:

1. ALL PAVING SHALL CONFORM TO THE REQUIREMENTS OF THE NHDOT STANDARDS AND SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, AS WELL AS APPLICABLE TOWN STANDARDS.
2. A PRE-PAVING MEETING MUST BE SCHEDULED PRIOR TO ALL PAVING OPERATIONS ON THE PROJECT. CONTRACTOR TO REQUEST MEETING TO REVIEW THE WORK WITH THE CITY, AND PAVING CONTRACTOR ONE WEEK PRIOR TO PAVING OPERATIONS.
3. PAVEMENT CORE TESTING WILL BE COMPLETED BY THE CITY'S THIRD-PARTY TESTING AGENCY. CORE SAMPLES ARE TO BE COLLECTED AT LOCATIONS DETERMINED BY THE ENGINEER. COMPACTION AND THICKNESS MUST COMPLY WITH THE DESIGN DRAWINGS AND NHDOT STANDARD SPECIFICATIONS. FAILURE TO MEET THE STANDARDS MAY RESULT IN REJECTION OF WORK OR REQUIRED ADJUSTMENTS TO PAYMENT AS DETERMINED BY THE CITY ENGINEER.

UTILITY ADJUSTMENT NOTES

1. ALL CATCH BASINS AND SEWER MANHOLES WITHIN THE PAVING AREA WILL BE ADJUSTED TO GRADE AND RECONSTRUCTED FROM THE FRAME TO THE CONCRETE STRUCTURE BELOW WITH NEW BRICK AND MORTAR IN ACCORDANCE WITH CITY STANDARDS.
2. WATER GATES/BOXES AND CURB STOPS WILL BE ADJUSTED TO GRADE IN ACCORDANCE WITH CITY STANDARDS.

PORTABLE MESSAGE BOARD NOTE

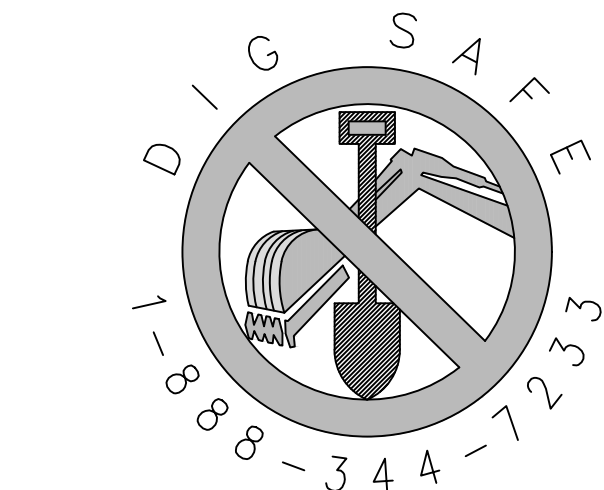
VARIABLE MESSAGE BOARDS ARE REQUIRED AT EACH END OF THE PROJECT AND MUST BE INSTALLED AT LEAST TWO WEEKS PRIOR TO ANY CONSTRUCTION. THE PORTABLE MESSAGE BOARDS WILL BE MAINTAINED THROUGHOUT THE PROJECT DURATION TO KEEP THE PUBLIC INFORMED. THE CITY WILL DETERMINE THE APPROPRIATE MESSAGE FOR THE MESSAGE BOARDS.

SIGN LEGEND

SIGN DESIGNATION	TEXT	TEXT COLOR	BACKGROUND COLOR	SIZE	NUMBER	SQUARE FEET
R1-1	STOP	WHITE	RED	36" x 36"	1	9.0
R2-1	SPEED LIMIT 30 MPH	BLACK	WHITE	24" x 30"	4	20.0
R2-1	SPEED LIMIT 30 MPH	BLACK	WHITE	30" x 36"	6	45.0
R3-5/R3-5a	LEFT AND THRU LANE	BLACK	WHITE	36" x36"	2	18.0
R3-9b	CENTER MEDIAN SIGN	BLACK	WHITE	24" x36"	3	18.0
R4-7	KEEP RIGHT SYMBOL	BLACK	WHITE	24" x 30"	8	40.0
R5-1	DO NOT ENTER	WHITE	RED	36" x 36"	4	36.0
R6-1	ONE WAY	BLACK	WHITE	54" x 18"	1	6.8
W3-3	SIGNAL AHEAD (SYMBOL)	BLACK	YELLOW	30" x 30"	2	12.5
W4-2	LANE ENDS (SYMBOL)	BLACK	YELLOW	36" X 36"	1	9.0
W5-1	ROAD NARROWS	BLACK	YELLOW	36" x 36"	1	9.0
W11-2	PEDESTRIAN AHEAD	BLACK	GREEN	30" x 30"	2	12.5
W16-9p	PLAQUE (250')	BLACK	GREEN	24" x 18"	2	6.0
OM1-1	OBJECT MARKER	NONE	YELLOW	18" x 18"	8	18.0
CITY SPECIFIC SIGN ASSEMBLY	SEE IMAGE BELOW	VARIES	VARIES	24" x 30" (2) 30" X 30" (1)	1	16.3
TOTAL:						276.0

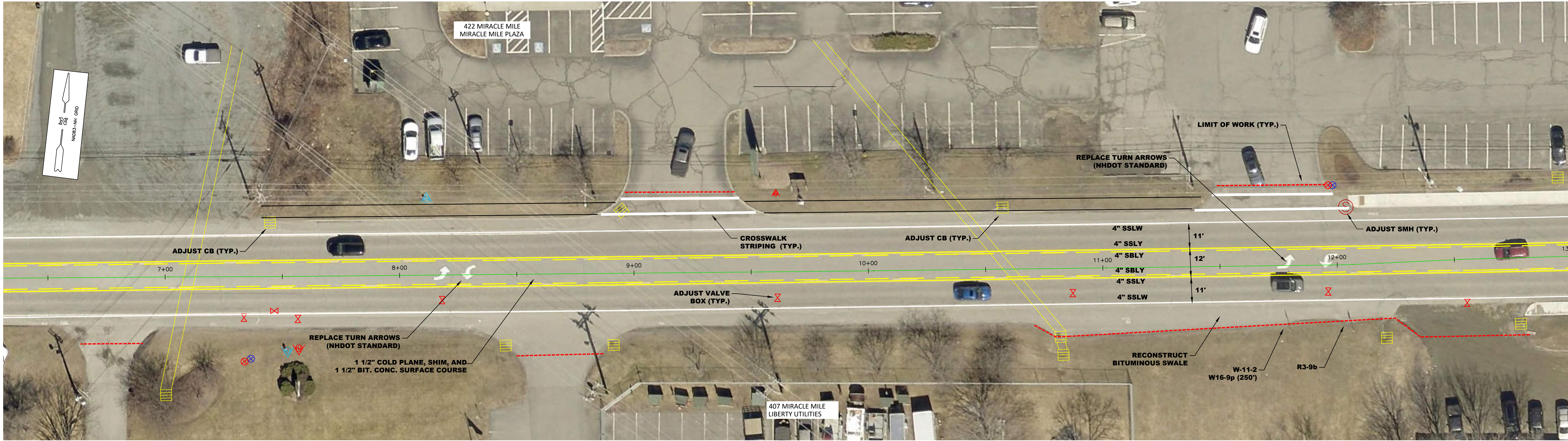
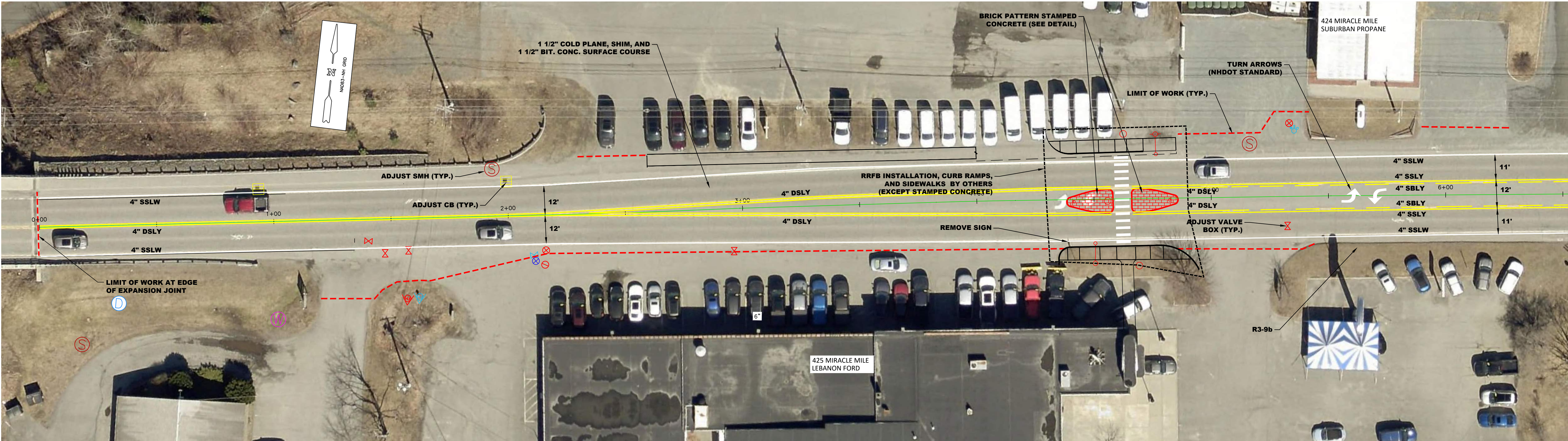
ABBREVIATIONS

ABAN.	ABANDON
ADJ.	ADJUST
EXIST.	EXISTING
PROP.	PROPOSED
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
R.C.P.	REINFORCED CONCRETE PIPE (CLASS III UNLESS NOTED)
CB	CATCH BASIN
MH	MANHOLE
WG	WATER GATE
GG	GAS GATE
BIT.	BITUMINOUS
CEM.	CEMENT
PVMT.	PAVEMENT
CONC.	CONCRETE
GRAN.	GRANITE
INV.	INVERT
EL.	ELEVATION
DWY.	DRIVEWAY
SDWK.	SIDEWALK
WCR	WHEELCHAIR RAMP



72 HOURS PRIOR TO ANY EXCAVATION ON SITE, THE CONTRACTOR SHALL CONTACT DIG-SAFE AT 1-888-DIG-SAFE.

REVISIONS				KVPPartners LLC P.O. Box 432 New Boston, NH 03070 (603) 413-6650	NO SCALE	MIRACLE MILE PAVING PROJECT LEBANON, NEW HAMPSHIRE	SHEET NO. 2
NUMBER	DATE	BY	DESCRIPTION				
						GENERAL NOTES AND LEGEND	JANUARY 2024



MATCH TO ABOVE

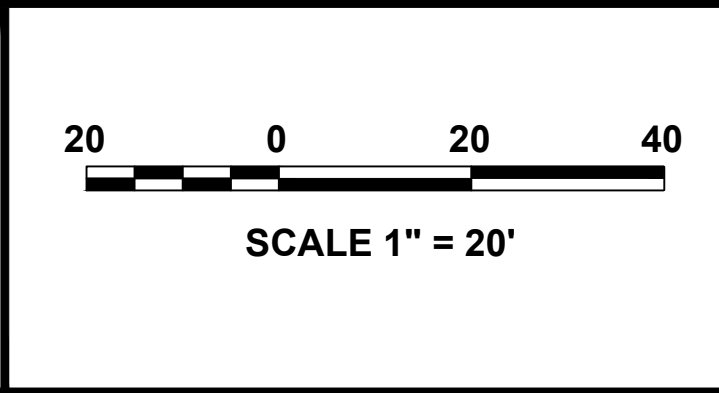
MATCH TO SHEET 4

REVISIONS				
NUMBER	DATE	BY	DESCRIPTION	



KVP*Partners* **LLC**

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New Boston, NH 03070
(603) 413-6650



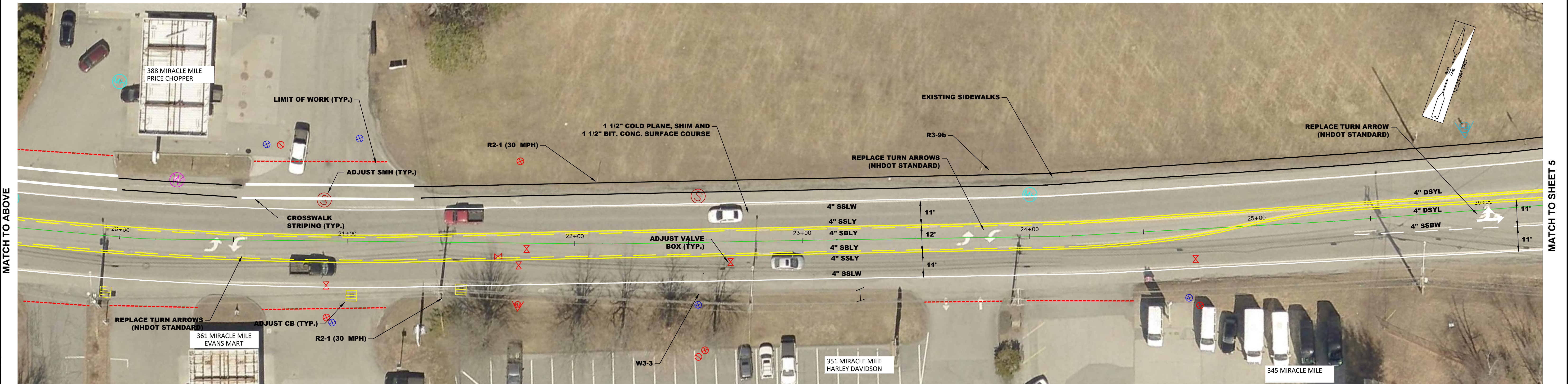
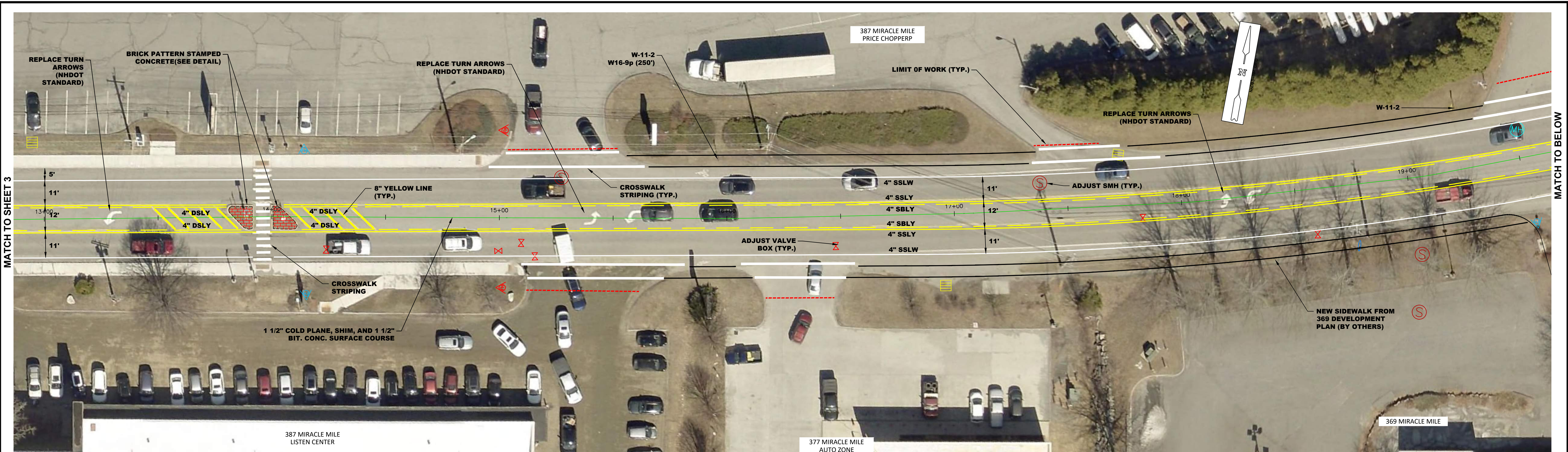
MIRACLE MILE PAVING
PROJECT

LEBANON, NEW HAMPSHIRE

CONSTRUCTION PLAN

SHEET NO.
3

JANUARY 2024



REVISIONS				
NUMBER	DATE	BY	DESCRIPTION	

KVP*Partners* **LLC**

P.O. Box 432
New Boston, NH 03070
(603) 413-6650

2002040

SCALE 1" = 20'

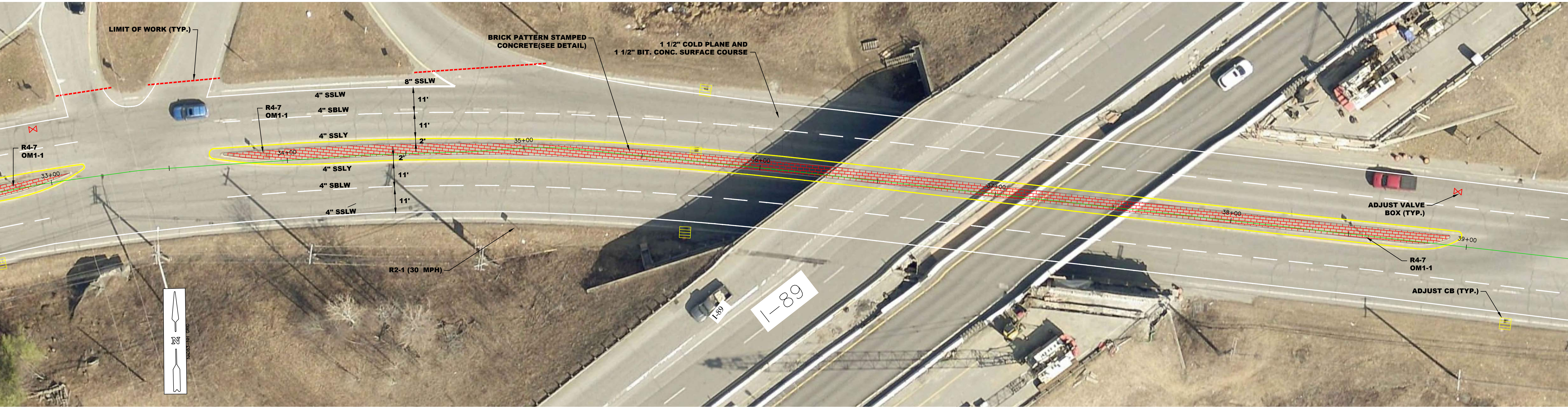
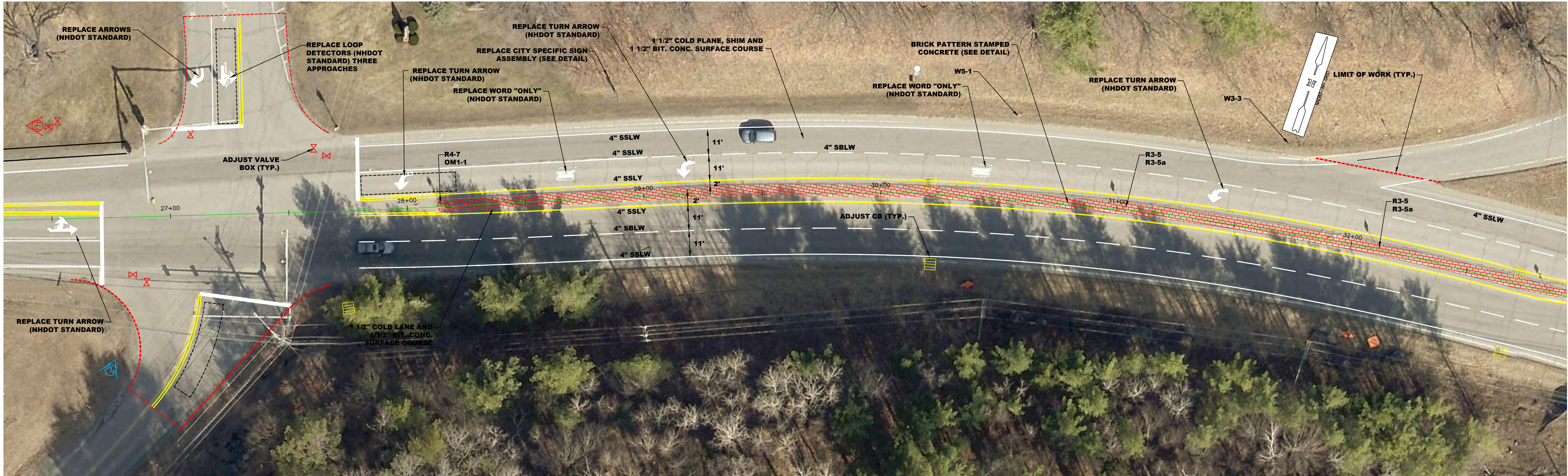
MIRACLE MILE PAVING
PROJECT

LEBANON, NEW HAMPSHIRE

CONSTRUCTION PLAN

SHEET NO.
4

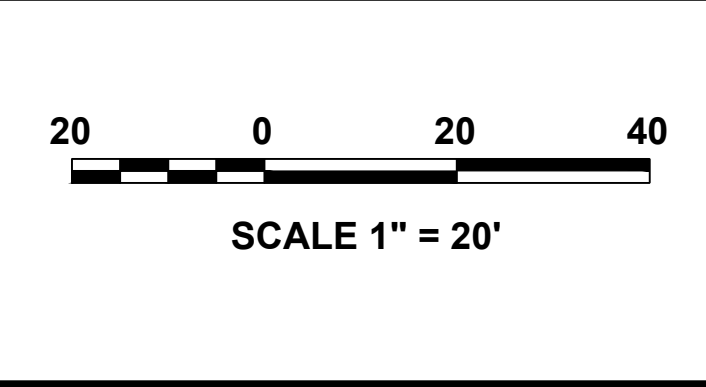
JANUARY 2024



REVISIONS				
NUMBER	DATE	BY	DESCRIPTION	

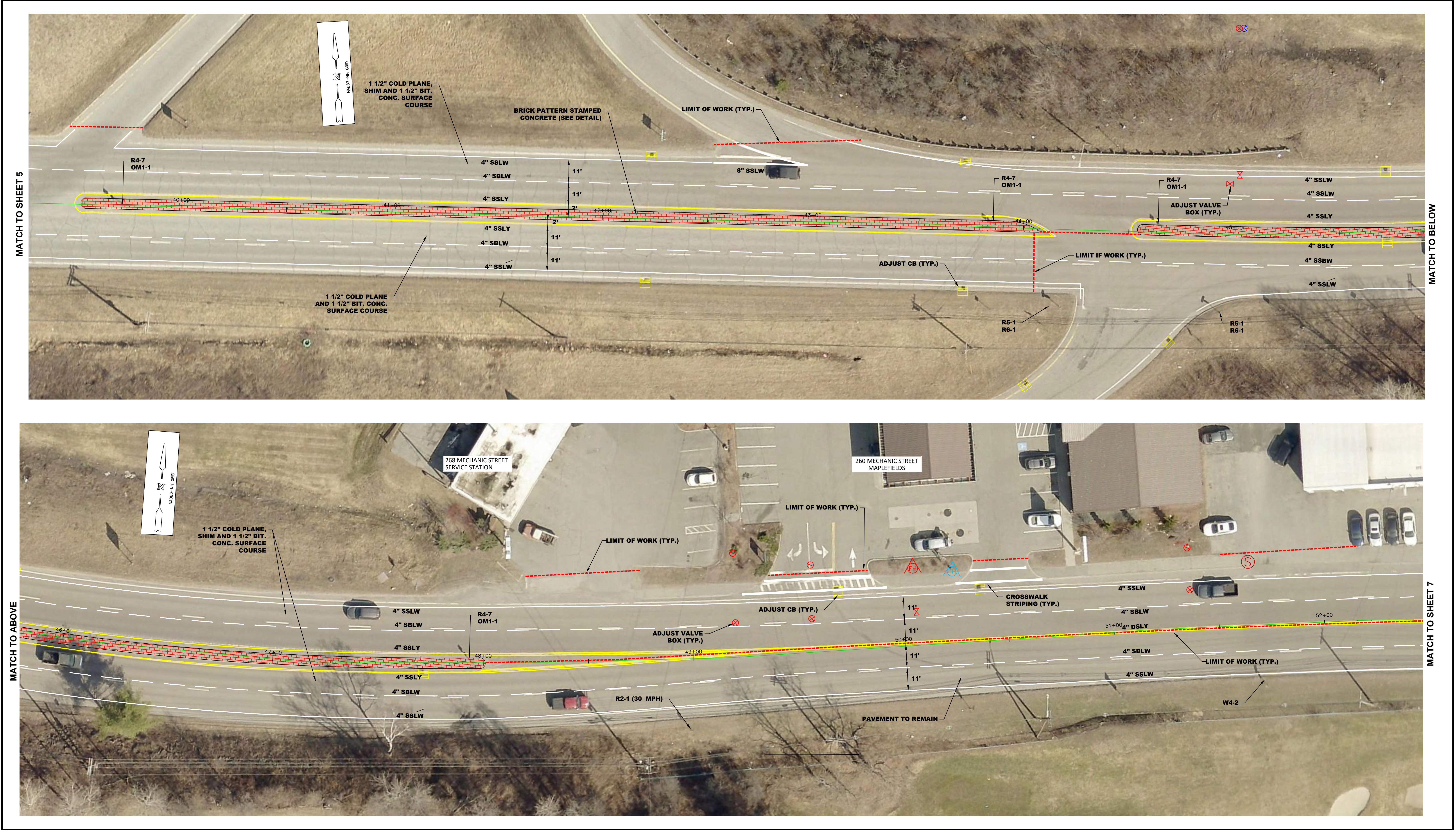
KVP*Partners LLC*

P.O. Box 432
New Boston, NH 03070
(603) 413-6650



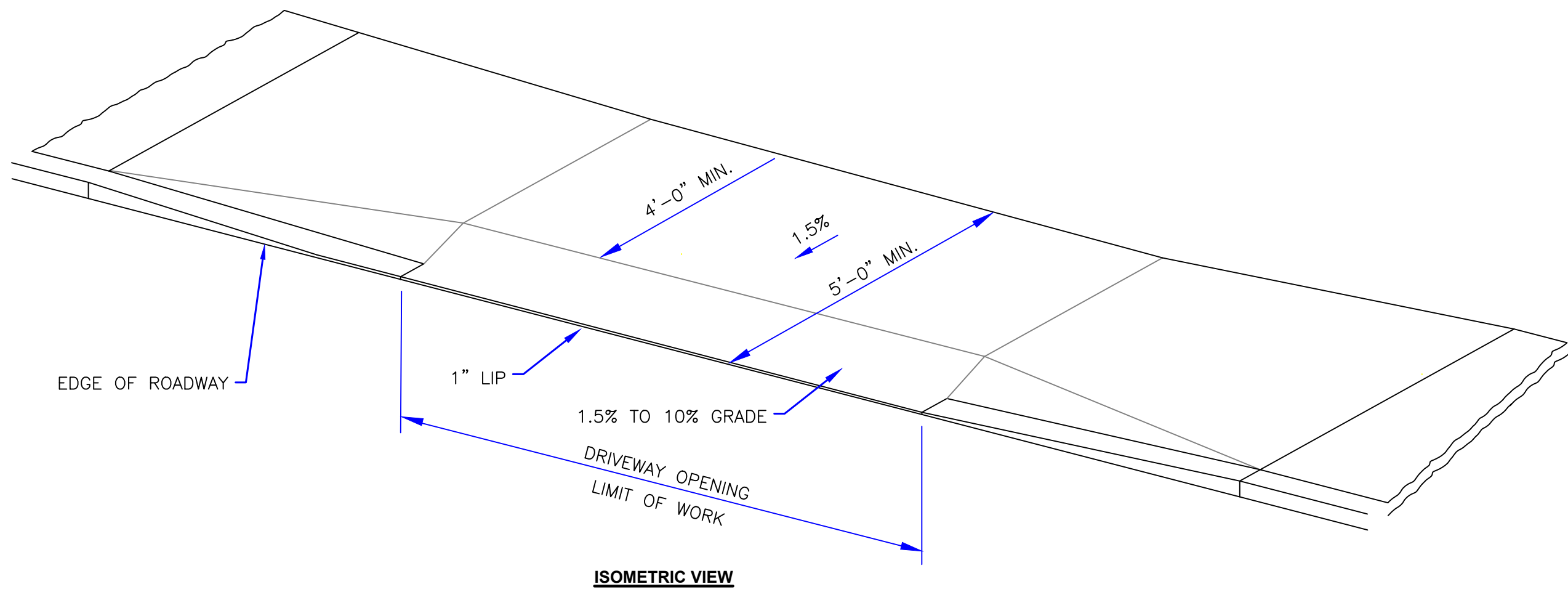
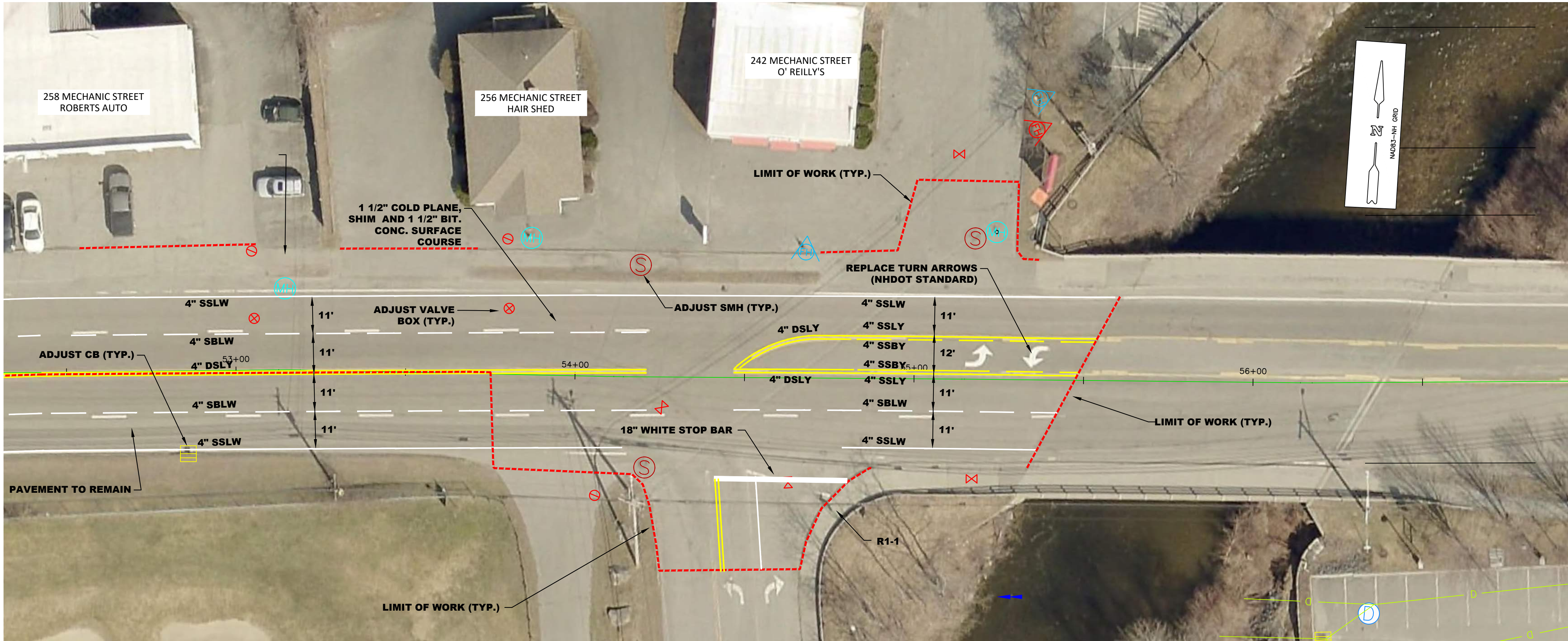
MIRACLE MILE PAVING
PROJECT
LEBANON, NEW HAMPSHIRE
CONSTRUCTION PLAN

SHEET NO.
5
JANUARY 2024

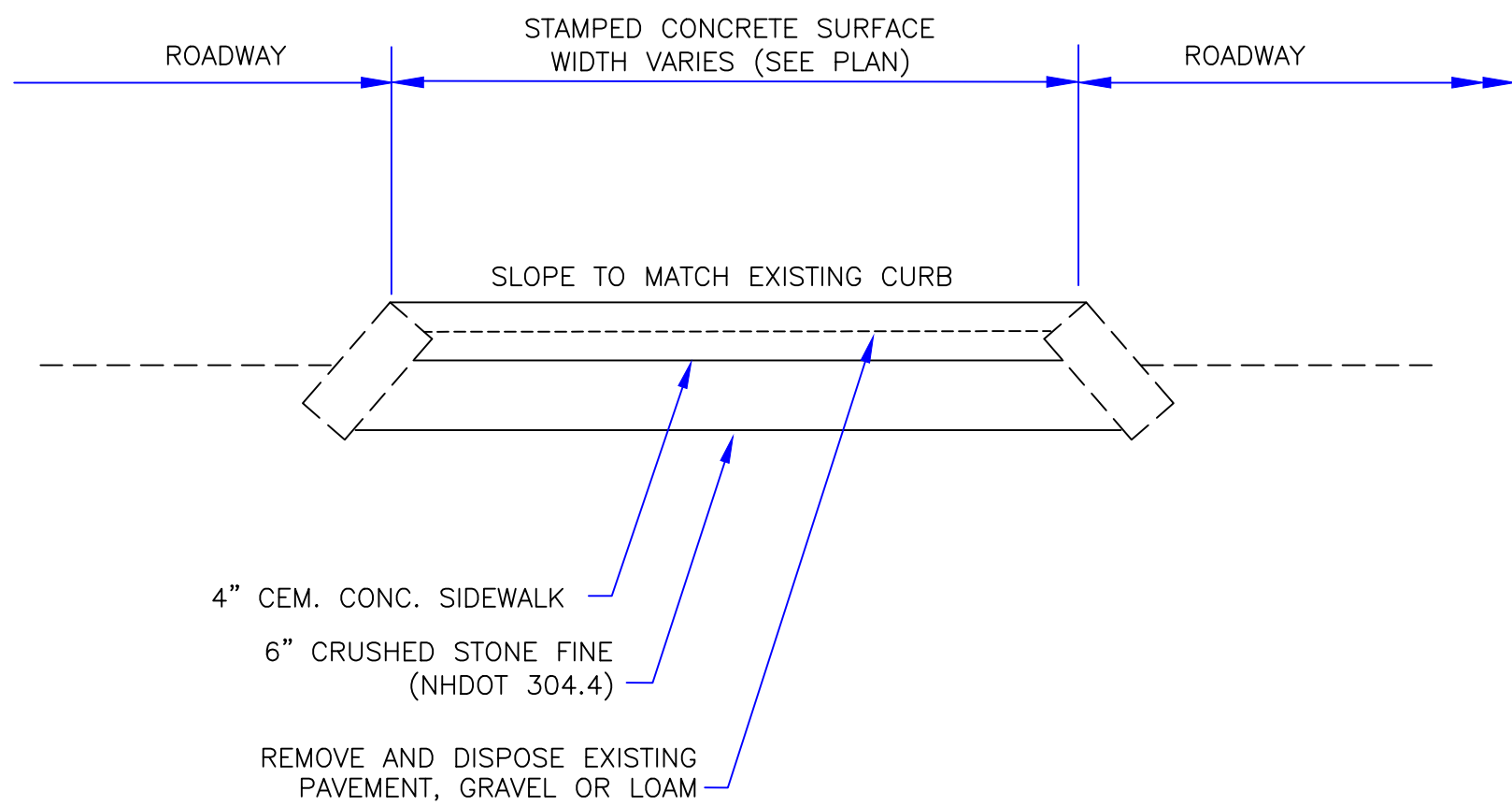


REVISIONS				KVPPartners LLC P.O. Box 432 New Boston, NH 03070 (603) 413-6650	20000040 SCALE 1" = 20'	MIRACLE MILE PAVING PROJECT LEBANON, NEW HAMPSHIRE CONSTRUCTION PLAN		SHEET NO. 6	
NUMBER	DATE	BY	DESCRIPTION					JANUARY 2024	

MATCH TO SHEET 6

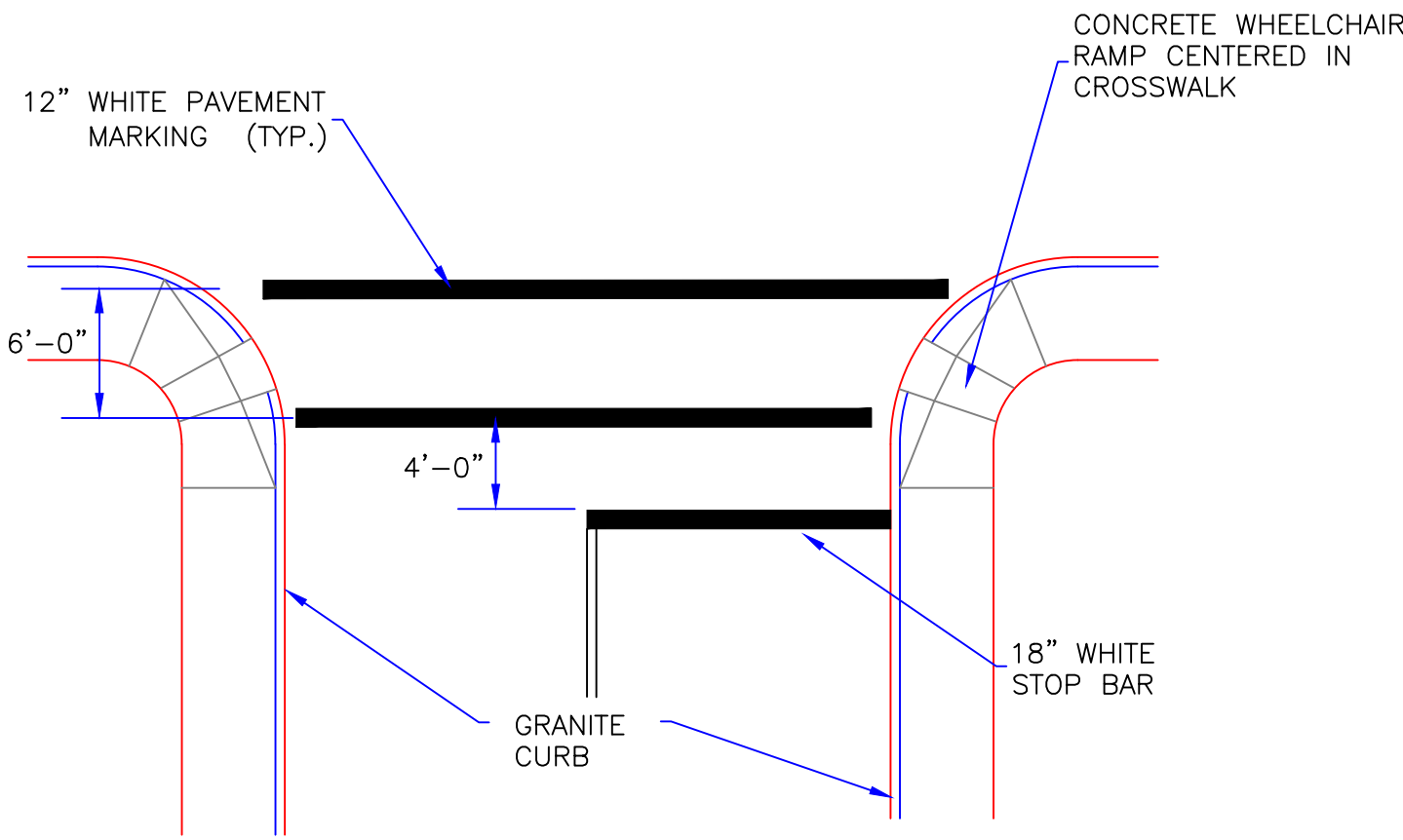


SIDEWALK GRADING THROUGH DRIVEWAY DETAIL
NOT TO SCALE



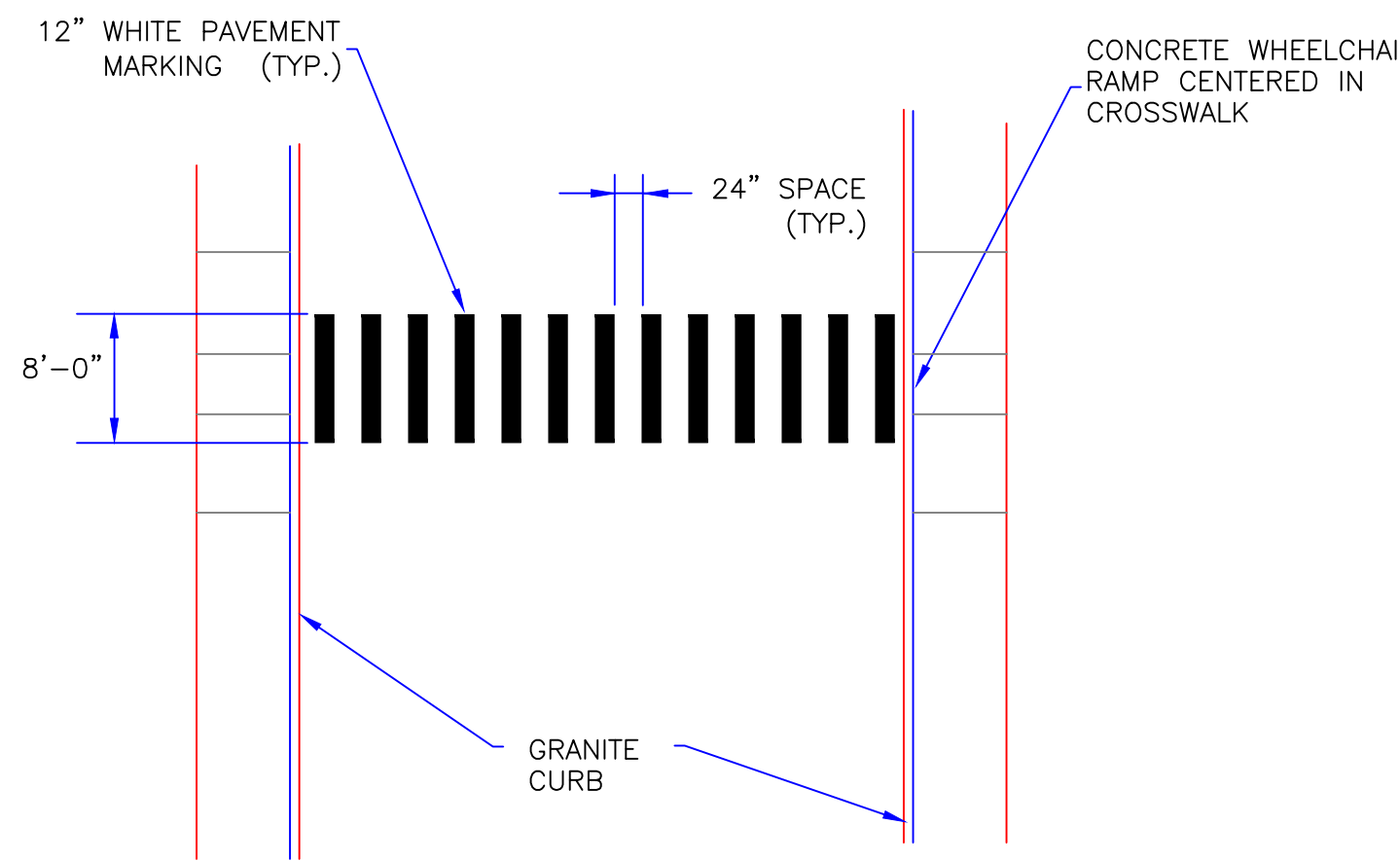
NOTES:
1. EXISTING BASE MATERIALS MAY BE USED IN PLACE OF NEW CRUSHED STONE FINE IF FOUND TO BE ACCEPTABLE BY THE CITY.

STAMPED CONCRETE ISLAND DETAIL
NOT TO SCALE



1. ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) INCLUDING ALL ADDENDA.
2. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH NHDOT STANDARDS.

**CROSSWALK STRIPING DETAIL
SIDE STREETS AND DRIVEWAYS**
NOT TO SCALE



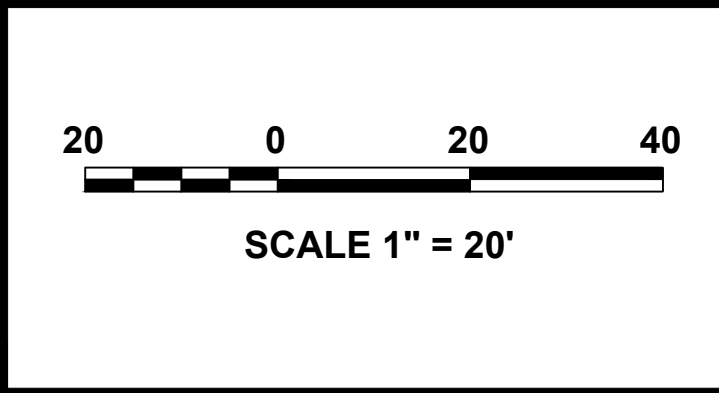
1. ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) INCLUDING ALL ADDENDA.
2. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH NHDOT STANDARDS.

MID-BLOCK CROSSWALK STRIPING DETAIL
NOT TO SCALE

REVISIONS			
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MIRACLE MILE PAVING
PROJECT
LEBANON, NEW HAMPSHIRE
CONSTRUCTION PLAN

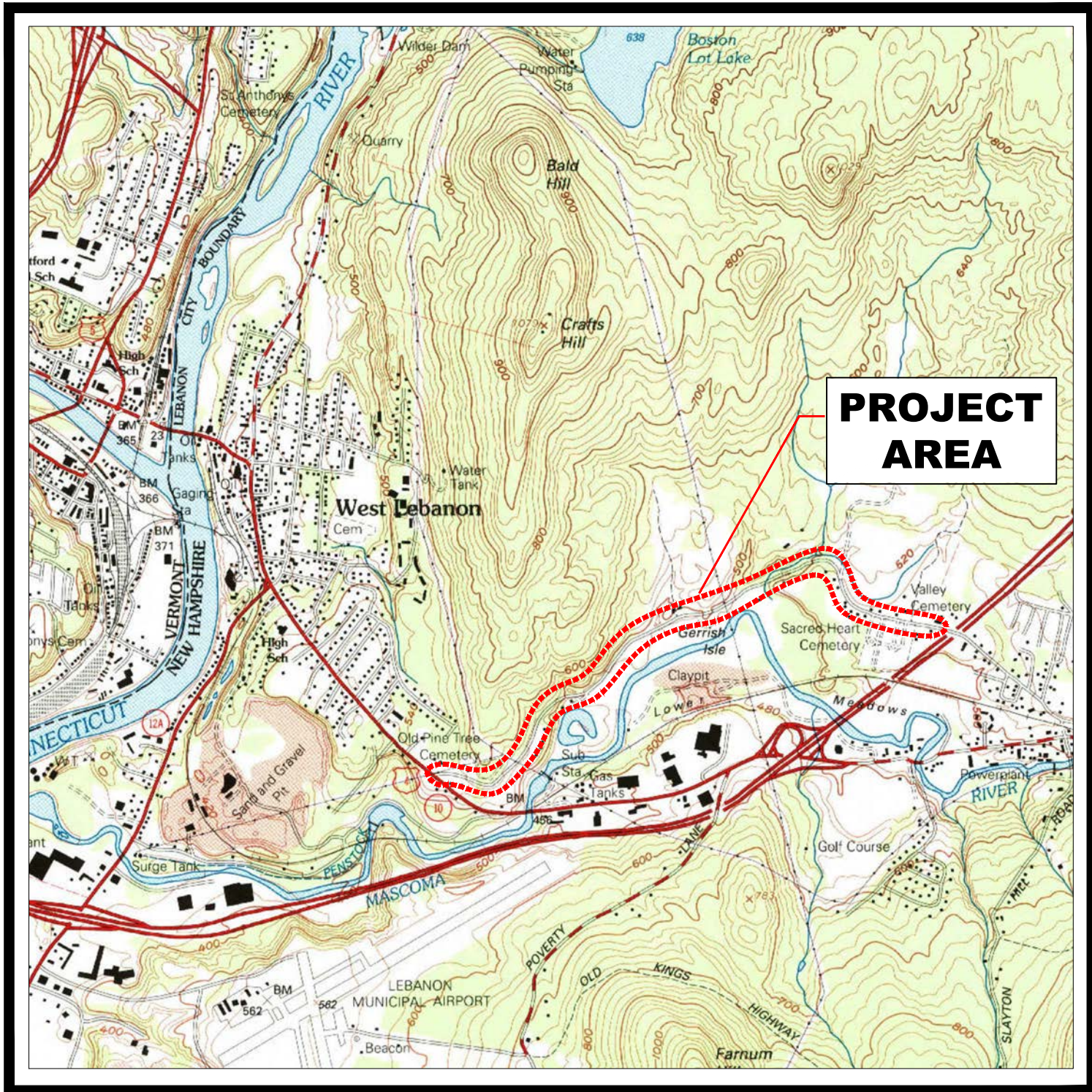
SHEET NO.
7
JANUARY 2024

CITY OF LEBANON NEW HAMPSHIRE

OLD PINE TREE CEMETERY ROAD PAVING PROJECT

SEMINARY HILL ROAD TO THE INTERSTATE 89 BRIDGE

<u>SHEET NO.</u>	<u>SHEET TITLE</u>
1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3-6	CONSTRUCTION PLANS
7	CONSTRUCTION DETAILS



Locus Map
Not to Scale



KVPPartners **LLC**

P.O. Box 432
New Boston, NH 03070
(603) 413-6650

FEBRUARY 2024

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROVED DRAWINGS, SPECIFICATIONS, AND ANY ISSUED ADDENDA.
2. THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY PRIOR TO PROCEEDING WITH WORK.
3. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS AND SPECIFICATION, THE CITY SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
4. BASE MAP INFORMATION IS THE 2021 AERIAL PHOTOGRAPHS AND NOT GUARANTEED FOR ACCURACY.
5. THE CONTRACTOR SHALL VERIFY ALL RELEVANT ANGLES, LENGTHS, ELEVATIONS, AND INVERTS PRIOR TO CONSTRUCTION.
6. THE LOCATION OF EXISTING UTILITIES AND SUBSURFACE STRUCTURES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND APPROPRIATE UTILITY AUTHORITY OF ANY DISCREPANCY WITH THE DRAWINGS. NEITHER THE ENGINEER NOR THE OWNER WARRANTS OR GUARANTEES THE CONDITIONS SHOWN ON THE DRAWINGS.
7. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SUBSURFACE STRUCTURES AND UTILITIES THROUGH THE APPROPRIATE AGENCY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL CALL THE DIG-SAFE CENTER (1-888-344-7233) AT LEAST 72 BUSINESS HOURS PRIOR TO ANY EXCAVATION.
8. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITY WITH THE VARIOUS AFFECTED UTILITY AUTHORITIES TO PREVENT UNNECESSARY DELAY OF WORK OR INTERRUPTION OF SERVICES.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND SUPPORTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING SUCH ACTIVITY WITH THE APPROPRIATE UTILITY AUTHORITY. UTILITIES DESTROYED OR DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE UTILITY AUTHORITY AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN A SAFE MANNER AT ALL TIMES DURING CONSTRUCTION AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND AS REQUIRED BY THE NHDOT. IT IS UNDERSTOOD THAT NO ROADWAYS WILL BE CLOSED AND NO DETOURS WILL BE PERMITTED TO ACCOMMODATE CONSTRUCTION AND THE CONTRACTOR SHALL PLAN THE CONSTRUCTION ACTIVITIES ACCORDINGLY.
11. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ACCESS TO ALL ABUTTING PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES, UNLESS OTHERWISE APPROVED BY THE OWNER.
12. THE CONTRACTOR SHALL CONFINE ALL OPERATIONS AND ACTIVITIES FOR CONSTRUCTION PURPOSES TO THE CITY'S RIGHT-OF-WAY OR IN STAGING/STOCKPILE AREAS APPROVED BY THE CITY. THE CONTRACTOR SHALL LOCATE STAGING AREAS THROUGH AGREEMENTS WITH AFFECTED PROPERTY OWNERS, OR PROVIDE ALTERNATE MEANS TO STORE MATERIAL AT THE WORK AREA AS REQUIRED.
13. DURING NON-WORKING HOURS, THE CONTRACTOR SHALL SECURE ALL EQUIPMENT AND MATERIALS WITHIN THE LIMITS OF WORK.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PAVEMENT, ROADWAYS, SIGNS, CURBS, SIDEWALKS, DRIVEWAYS, MAILBOXES, FENCES, PLANTINGS OR OTHER PHYSICAL FEATURES CAUSED BY THE CONTRACTOR'S ACTIVITIES AND SHALL REPAIR THEM AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS BEYOND THE LIMITS OF CONSTRUCTION WHICH ARE DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
15. THE CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO MINIMIZE THE AMOUNT OF DEBRIS THAT COLLECTS IN CATCH BASINS, CULVERTS AND MANHOLES. THE CONTRACTOR SHALL CLEAN ALL CATCH BASINS, CULVERTS AND MANHOLES AFFECTED BY CONSTRUCTION IN ORDER TO MAINTAIN AN OPERATING SYSTEM.
16. ALL EXISTING CURB, SIGNS, DRAINAGE STRUCTURES, UTILITIES AND ANY OTHER MATERIALS WITHIN THE RIGHT OF WAY THAT ARE REMOVED BY THE CONTRACTOR MAY BE INSPECTED BY THE OWNER. THE OWNER RESERVES THE RIGHT TO RETAIN OWNERSHIP AND MAY DIRECT THE CONTRACTOR TO SALVAGE AND STOCKPILE ANY SUCH EXISTING MATERIALS AT NO ADDITIONAL COST TO THE OWNER. ANY EXISTING MATERIALS THE OWNER CHOOSES NOT TO SALVAGE AND STOCKPILE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
17. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FROM APPLICABLE GOVERNMENTAL AGENCIES, INCLUDING THE OWNER, PRIOR TO THE START OF ANY CONSTRUCTION.
18. THE CONTRACTOR IS REQUIRED TO PROVIDE ADEQUATE SHORING FOR THE SOIL CONDITIONS AND DEPTHS ENCOUNTERED DURING CONSTRUCTION.
19. IN THE EVENT THE CONTRACTOR ENCOUNTERS EXISTING MATERIAL REASONABLY BELIEVED TO BE HAZARDOUS WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND REPORT THE CONDITION TO THE OWNER AND ENGINEER. WORK IN THE AFFECTED AREA SHALL NOT RESUME UNTIL WRITTEN VERIFICATION BY THE OWNER THAT THE MATERIAL HAS BEEN REMOVED OR OTHERWISE BEEN RENDERED HARMLESS.
20. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE CONTRACT DOCUMENTS. ALL DRAWINGS OF ANY PARTICULAR TRADE SHALL BE USED IN CONJUNCTION WITH DRAWINGS OF ALL OTHER TRADES TO COORDINATE THE CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED WORK. ANY PROPOSED CHANGES, VARIATIONS, OR SUBSTITUTIONS MUST BE REVIEWED AND ACCEPTED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
21. ALL PROPOSED WORK WILL BE COMPLETED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS AND DETAILS (LATEST VERSION AND ALL AMENDMENTS) UNLESS OTHERWISE NOTED ON THESE PLANS OR SPECIFIED IN THE CONTRACT DOCUMENTS.
22. ALL WATER GATES, MANHOLES AND CATCH BASINS WITHIN THE PROJECT LIMITS WILL BE ADJUSTED TO GRADE BY THE CONTRACTOR. GAS GATES AND TELEPHONE MANHOLES WILL BE ADJUSTED BY THE EFFECTED UTILITY COMPANY. THE CONTRACTOR WILL COORDINATE ALL UTILITY RELOCATIONS (BY OTHERS) WITH THE APPROPRIATE UTILITY COMPANY.
23. IF THE CONTRACTOR ANTICIPATES AN OVERAGE IN MATERIAL QUANTITIES INCLUDED IN THE CONTRACT, THE CONTRACTOR MUST NOTIFY THE CITY IMMEDIATELY PRIOR TO PROCEEDING.
24. ANY SURFACE OR SUBSURFACE FEATURES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY, WERE FOUND IMMEDIATELY PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE RESTORATION SHALL BE AT THE CONTRACTORS SOLE EXPENSE.
25. THE CITY ASSUMES NO RESPONSIBILITY FOR WORK COMPLETED BY THE CONTRACTOR.
26. ALL PAVEMENT MARKINGS WILL BE THERMOPLASTIC IN ACCORDANCE WITH NHDOT SPECIFICATIONS.

CONSTRUCTION SEQUENCE/REQUIREMENTS:

1. ONCE THE CONTRACT IS SIGNED, THE PRIME CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DETAILED CONSTRUCTION SCHEDULE TO THE CITY FOR REVIEW PRIOR TO THE PRE-CONSTRUCTION MEETING.
2. THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION MEETING FOR THE PROJECT WITH THE CITY, AND OTHER PROJECT PARTIES PRIOR TO MOBILIZING TO THE SITE AND STARTING CONSTRUCTION. THE PRIME CONTRACTOR'S MAJOR SUBCONTRACTORS ON THE PROJECT MUST ATTEND THE PRE-CONSTRUCTION MEETING.
3. THE CONTRACTOR SHALL SUBMIT ALL MATERIAL SUBMITTALS AND SHOP DRAWINGS TO THE CITY FOR APPROVAL PRIOR TO ANY MATERIALS BEING DELIVERED TO THE PROJECT SITE.
4. THE CONTRACTOR SHALL COMPLETE A PRE-CONSTRUCTION PHOTOGRAPHIC SURVEY OF THE ENTIRE PROJECT SITE, INCLUSIVE OF BUT NOT LIMITED TO, ALL DRIVEWAYS, ADJACENT ACCESS ROADS, STONE OR CONCRETE WALLS, AND OFF-SITE STAGING AREAS PRIOR TO THE START OF CONSTRUCTION. THE PURPOSE OF THIS SURVEY IS TO RECORD EXISTING CONDITIONS FOR THE PURPOSE OF DISPUTE RESOLUTION OF COMPLAINTS AND REPORTED DAMAGES DURING AND FOLLOWING CONSTRUCTION. ONE THUMB DRIVE CONTAINING ALL PHOTOS SHALL BE PROVIDED TO THE CITY PRIOR TO CONSTRUCTION. ALL PHOTOGRAPHS SHALL BE DATE STAMPED.
5. THE PRIME CONTRACTOR SHALL ATTEND WEEKLY MEETINGS TO BE HELD AT THE CITY OF LEBANON DEPARTMENT OF PUBLIC WORKS. THE CONTRACTOR AND MAJOR SUBCONTRACTOR'S ARE REQUIRED TO ATTEND ALL MEETINGS TO PROVIDE UPDATES AND DISCUSS OUTSTANDING ITEMS. THE CITY WILL BE RESPONSIBLE FOR MEETING AGENDAS AND RECORD MEETING MINUTES AS NEEDED.
6. REQUIRED EROSION CONTROL BEST MANAGEMENT PRACTICES MUST BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION. INLET PROTECTION DEVICES MUST BE INSTALLED IN ALL STRUCTURES WITH SURROUNDING EARTH DISTURBANCES OR ADJACENT TO CONSTRUCTION TRACKING ON-SITE.
7. ALL STAGING AND LAYDOWN AREAS MUST BE RESTORED TO ORIGINAL CONDITION OR BETTER PRIOR TO FINAL COMPLETION ON THE PROJECT.
8. ALL TEMPORARY EROSION CONTROL COMPONENTS (I.E. SILT SOXX) MUST BE REMOVED AND DISPOSED OF OFF SITE FOLLOWING PERMANENT STABILIZATION AS DETERMINED BY THE ENGINEER.

EXISTING UTILITY NOTES

1. UTILITY INFORMATION SHOWN HEREON WAS OBTAINED FROM THE BEST AVAILABLE SOURCE AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY, PUBLIC OR PRIVATE, SHOWN OR NOT SHOWN HEREON. CONTRACTOR SHALL CONNECT OR RECONNECT ALL UTILITIES TO THE NEAREST SOURCE THROUGH COORDINATION WITH THE UTILITY OWNER. EXPLORATORY EXCAVATION MAY BE REQUIRED TO VERIFY LOCATION AND SIZE OF EXISTING UTILITIES AND APPURTENANCES.
2. THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING UTILITY SERVICE (PRIVATE OR PUBLIC) WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER.
3. SUBSURFACE FEATURES SUCH AS ELECTRIC AND TELEPHONE LINES, WATER LINES, SEWER LINES, STORM DRAIN AND CULVERTS, ETC., ENCOUNTERED IN THE CONSTRUCTION OF THE PROJECT SHALL BE PROTECTED, SUPPORTED, OR REMOVED AND REPLACED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT UNLESS PAYMENT IS SPECIFICALLY NOTED AS A SEPARATE PAY ITEM. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES AND/OR HIGHWAY DEPARTMENTS WHEN THE WORK INVOLVES THEIR RESPECTIVE FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO START OF ANY CONSTRUCTION. THE CITY SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION AGREED TO BY THE CITY BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING "DIG-SAFE" (886-DIG-SAFE) AT LEAST 72 HOURS PRIOR TO DIGGING.
4. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES OWNING UTILITIES, EITHER OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL COORDINATE MATERIALS AND INSTALLATION SPECIFICATIONS WITH THE INDIVIDUAL UTILITY AGENCIES/COMPANIES, AND ARRANGE FOR ALL INSPECTIONS.

UTILITY CONTACTS AS FOLLOWS:

LIBERTY UTILITIES RICK HUNTLEY, 603-304-6997 (CELL), Richard.Huntley@libertyutilities.com	LEBANON PUBLIC WORKS ROD FINLEY, P.E., City Engineer, 603-558-7123, Rod.Finley@lebanonnh.gov
FAIRPOINT COMMUNICATIONS ERNE KANGAS, 603-528-7354, ernest.kangas@fairopint.com	LEBANON FIRE DEPARTMENT JEFF LIBBY (Assistant Chief, 603-448-8810, Jeffrey.Libbey@lebanonnh.gov

COMCAST
RICK LANDOFF (CONSTRUCTION SUPER.), 603-348-0839, Richard.Landoff@cable.comcast.com

PAVEMENT NOTES

PROPOSED PAVEMENT STRUCTURE WILL CONSIST OF THE FOLLOWING:

ROADWAYS RECLAIM 12" MINIMUM DEPTH ADDITIONAL 9" OF CRUSHED STONE FINE (AS NOTED) 1 1/2" BIT. CONC. SURFACE COURSE 2 1/2" BIT. CONC. BASE COURSE	DRIVEWAYS RECLAIM 8" MINIMUM DEPTH OR 6" CRUSHED STONE FINE 1" BIT. CONC. SURFACE COURSE 2" BIT. CONC. BASE COURSE
--	---

- NOTES:
1. ALL PAVING SHALL CONFORM TO THE REQUIREMENTS OF THE NHDOT STANDARDS AND SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, AS WELL AS APPLICABLE CITY STANDARDS.
2. A PRE-PAVING MEETING MUST BE SCHEDULED PRIOR TO ALL PAVING OPERATIONS ON THE PROJECT. CONTRACTOR TO REQUEST MEETING TO REVIEW THE WORK WITH THE CITY, AND PAVING CONTRACTOR ONE WEEK PRIOR TO PAVING OPERATIONS.
3. PAVEMENT CORE TESTING WILL BE COMPLETED BY THE CITY'S THIRD-PARTY TESTING AGENCY. CORE SAMPLES ARE TO BE COLLECTED AT LOCATIONS DETERMINED BY THE ENGINEER. COMPACTION AND THICKNESS MUST COMPLY WITH THE DESIGN DRAWINGS AND NHDOT STANDARD SPECIFICATIONS. FAILURE TO MEET THE STANDARDS MAY RESULT IN REJECTION OF WORK OR REQUIRED ADJUSTMENTS TO PAYMENT AS DETERMINED BY THE CITY ENGINEER.
4. ADDITIONAL CRUSHED STONE FINES WILL BE MIXED INTO THE RECLAIMED BASE COURSE TO CREATE A UNIFORM BASE COURSE MIX. THIS MAY REQUIRE ADDITIONAL PASSES WITH THE RECLAIMING EQUIPMENT DEPENDING ON HOW THE CONTRACTOR ELECTS TO SEQUENCE THE WORK.. PAYMENT FOR THIS WORK (ADDITIONAL PASSES) IS INCLUDED IN THE CUBIC YARD PRICE OF THE CRUSHED STONE FINE ITEM,

UTILITY ADJUSTMENT NOTES

1. ALL CATCH BASINS AND SEWER MANHOLES WITHIN THE PAVING AREA (OR AS NOTED) WILL BE ADJUSTED TO GRADE AND RECONSTRUCTED FROM THE FRAME TO THE CONCRETE STRUCTURE BELOW WITH NEW BRICK AND MORTAR IN ACCORDANCE WITH CITY STANDARDS.
2. WATER GATES/BOXES AND CURB STOPS WILL BE ADJUSTED TO GRADE IN ACCORDANCE WITH CITY STANDARDS.

DUST CONTROL ROADWAY SURFACE NOTES

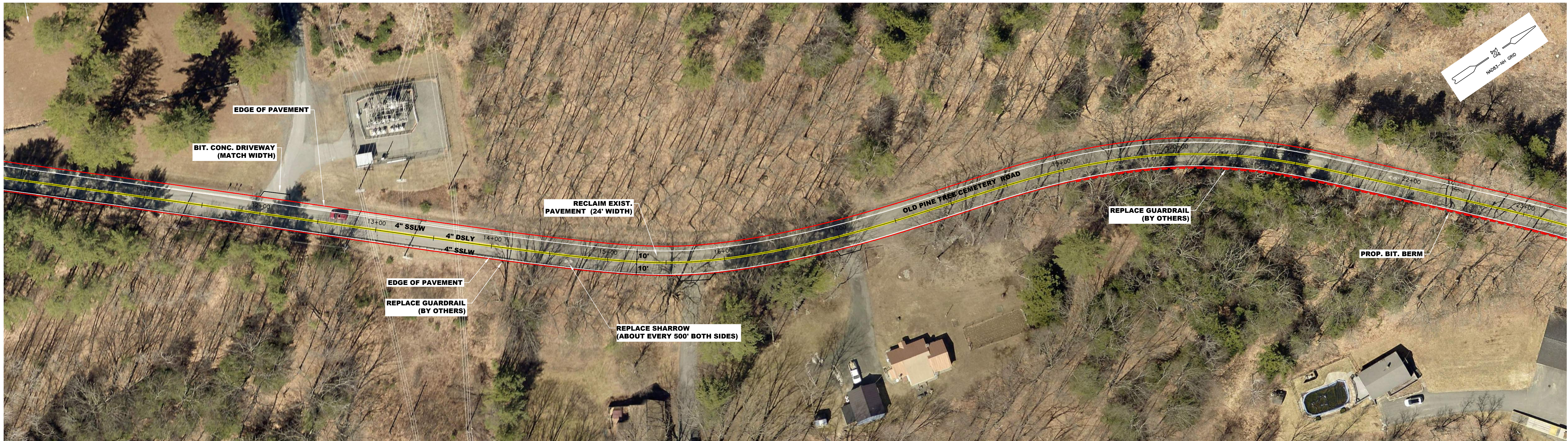
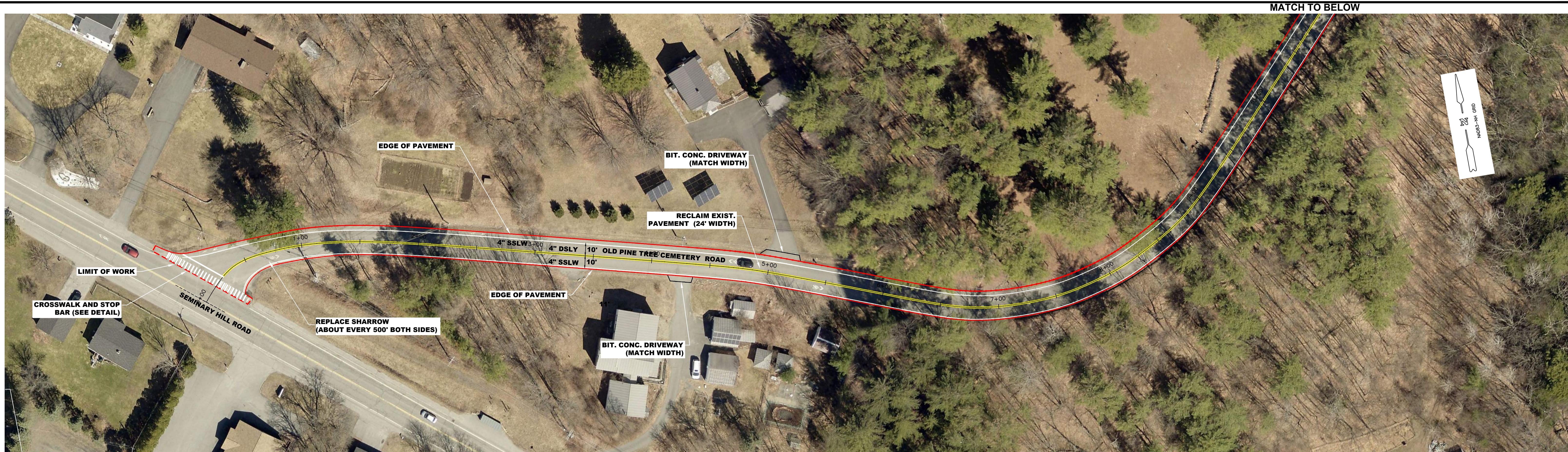
1. ONCE THE ROADWAY HAS BEEN RECLAIMED THE CONTRACTOR SHALL MAINTAIN THE ROADWAY SURFACE SUCH THAT EXCESSIVE DUST WILL NOT BE CREATED BY TRAFFIC. THIS MAY INCLUDE WATER, CALCIUM CHLORIDE OR OTHER MEASURES IF APPROVED BY THE CITY.
2. ONCE THE ROADWAY IS RECLAIMED AND PRIOR TO PAVING THE ROADWAY SURFACE WILL BE MAINTAINED BY THE CONTRACTOR. ANY ROUGH SURFACES WILL BE REGRADED AS NEEDED TO CONSTANTLY MAINTAIN A SMOOTH ROADWAY SURFACE.
3. THE PERIOD OF TIME BETWEEN RECLAIMING AND PAVING SHALL NOT EXCEED TWO WEEKS WITHOUT APPROVAL BY THE CITY.

ABBREVIATIONS

ABAN.	ABANDON
ADJ.	ADJUST
EXIST.	EXISTING
PROP.	PROPOSED
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
R.C.P.	REINFORCED CONCRETE PIPE (CLASS III UNLESS NOTED)
CB	CATCH BASIN
MH	MANHOLE
WG	WATER GATE
GG	GAS GATE
BIT.	BITUMINOUS
CEM.	CEMENT
PVMT.	PAVEMENT
CONC.	CONCRETE
GRAN.	GRANITE
INV.	INVERT
EL.	ELEVATION
DWY.	DRIVEWAY
SDWK.	SIDEWALK
WCR	WHEELCHAIR RAMP



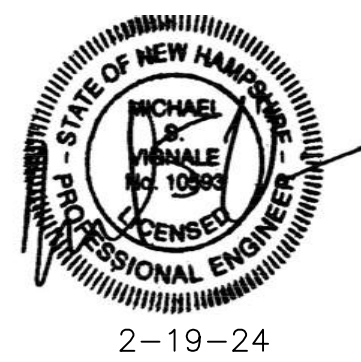
REVISIONS				 2-19-24	KVP Partners LLC P.O. Box 432 New Boston, NH 03070 (603) 413-6650	NO SCALE	OLD PINE TREE CEMETERY ROAD PAVING PROJECT LEBANON, NEW HAMPSHIRE		SHEET NO. 2
NUMBER	DATE	BY	DESCRIPTION				GENERAL NOTES AND LEGEND		FEBRUARY 2024



MATCH TO ABOVE

MATCH TO SHEET 4

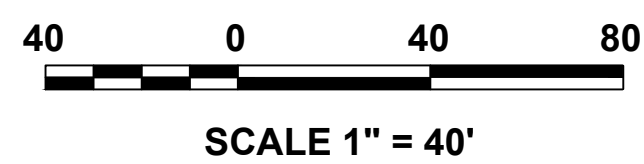
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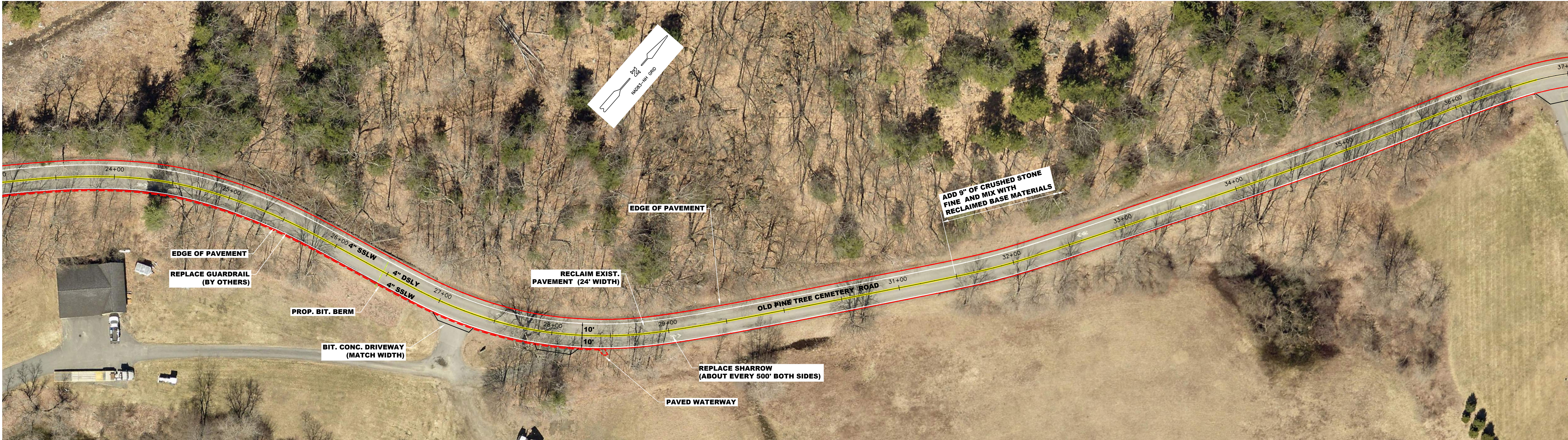
OLD PINE TREE CEMETERY
ROAD PAVING PROJECT
LEBANON, NEW HAMPSHIRE
CONSTRUCTION PLAN

SHEET NO.

3

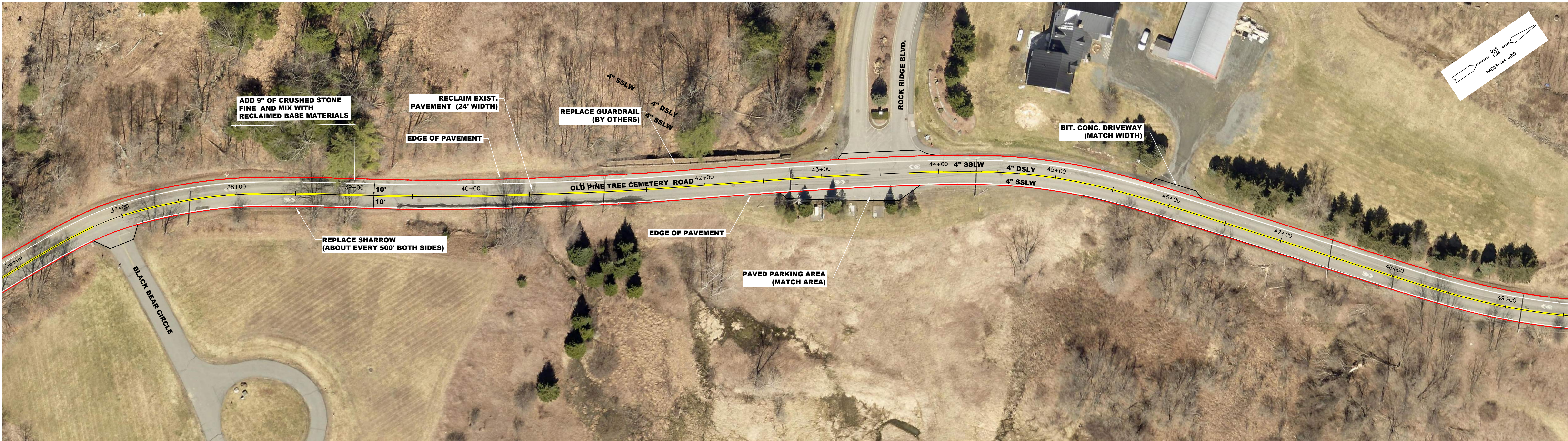
FEBRUARY 2024

MATCH TO SHEET 3



MATCH TO BELOW

MATCH TO ABOVE



MATCH TO SHEET 5

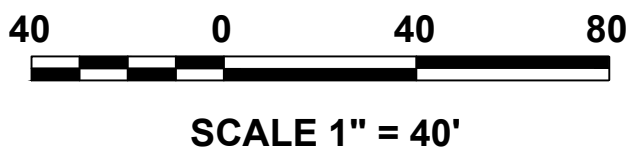
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2-19-24

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OLD PINE TREE CEMETERY
ROAD PAVING PROJECT

LEBANON, NEW HAMPSHIRE

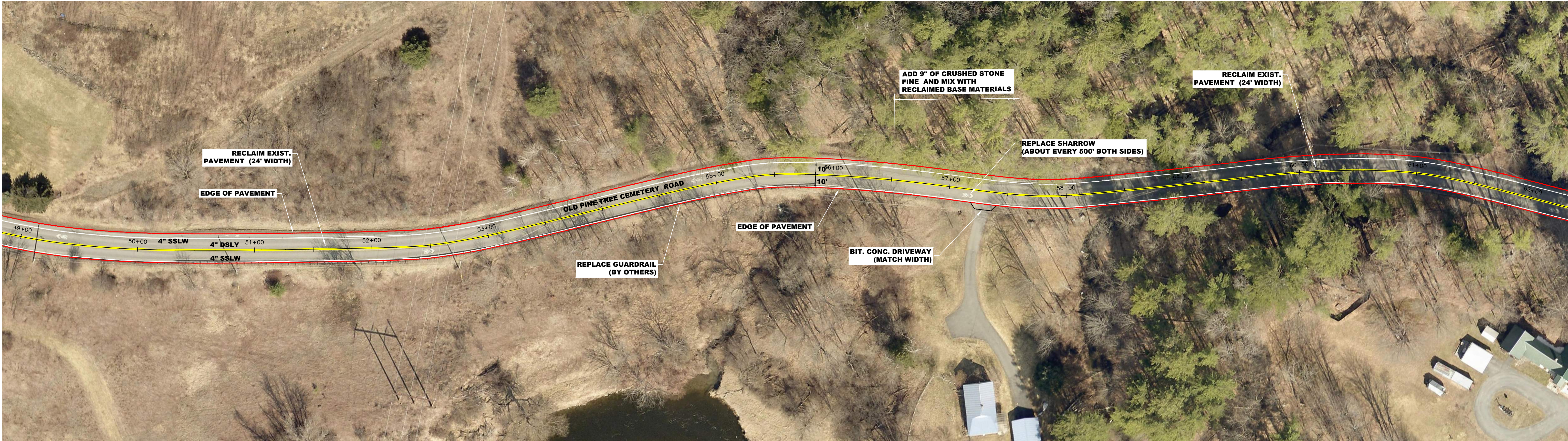
CONSTRUCTION PLAN

SHEET NO.

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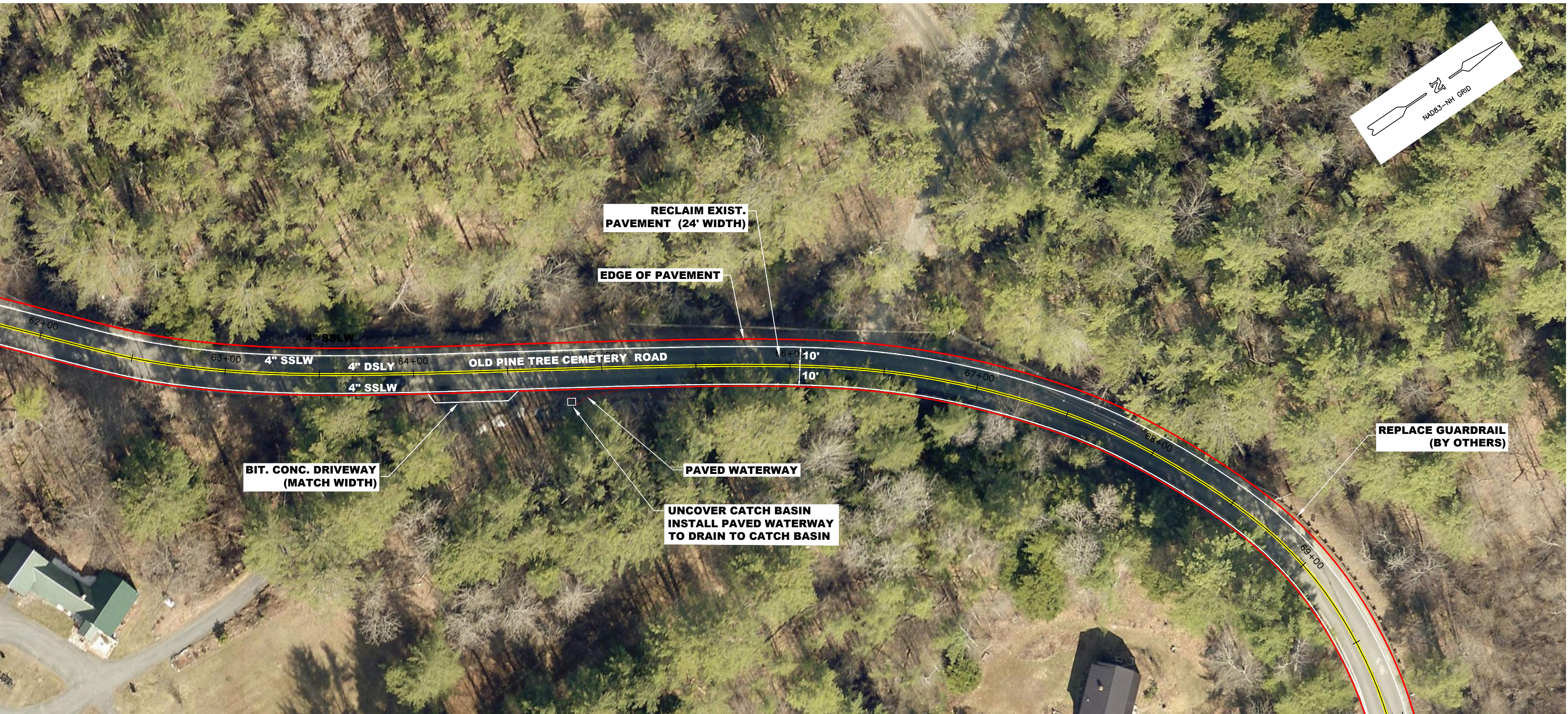
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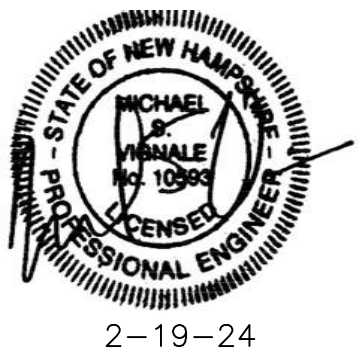
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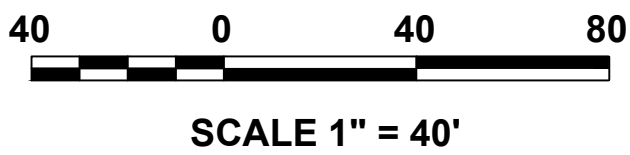
MATCH TO SHEET 6

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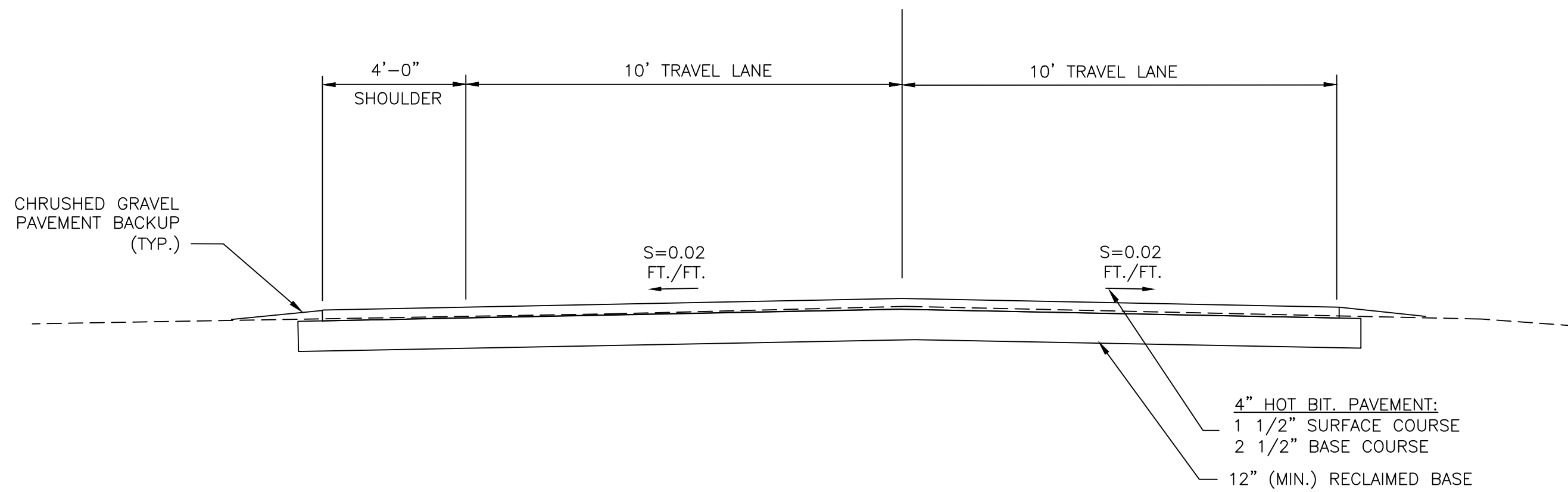


OLD PINE TREE CEMETERY
ROAD PAVING PROJECT
LEBANON, NEW HAMPSHIRE
CONSTRUCTION PLAN

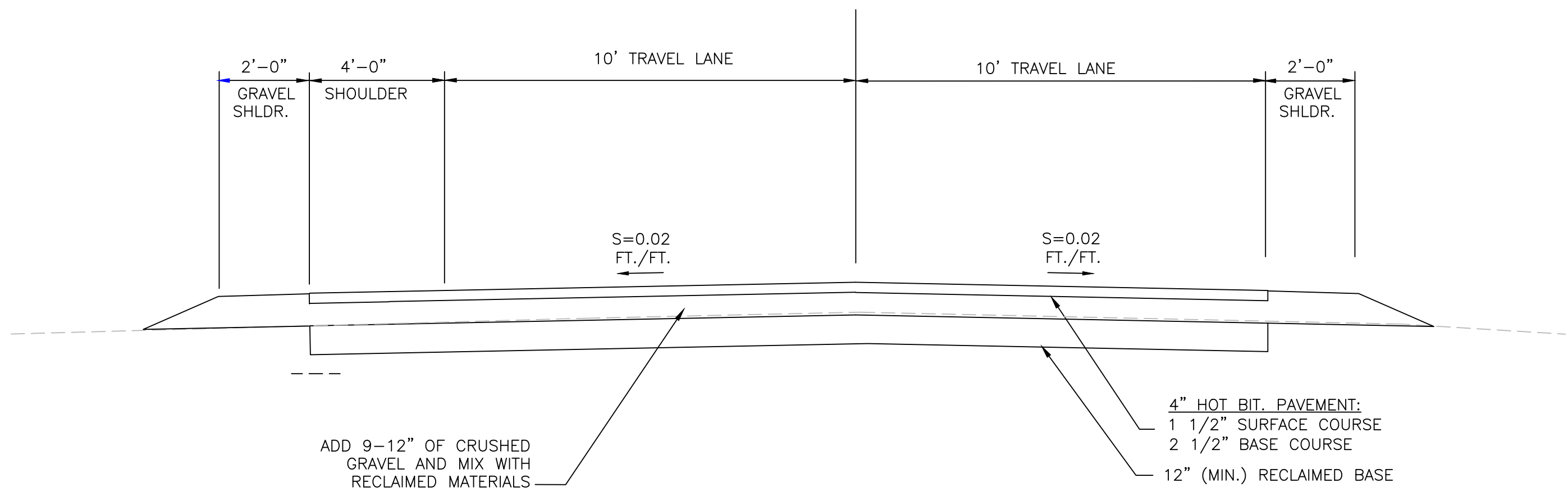
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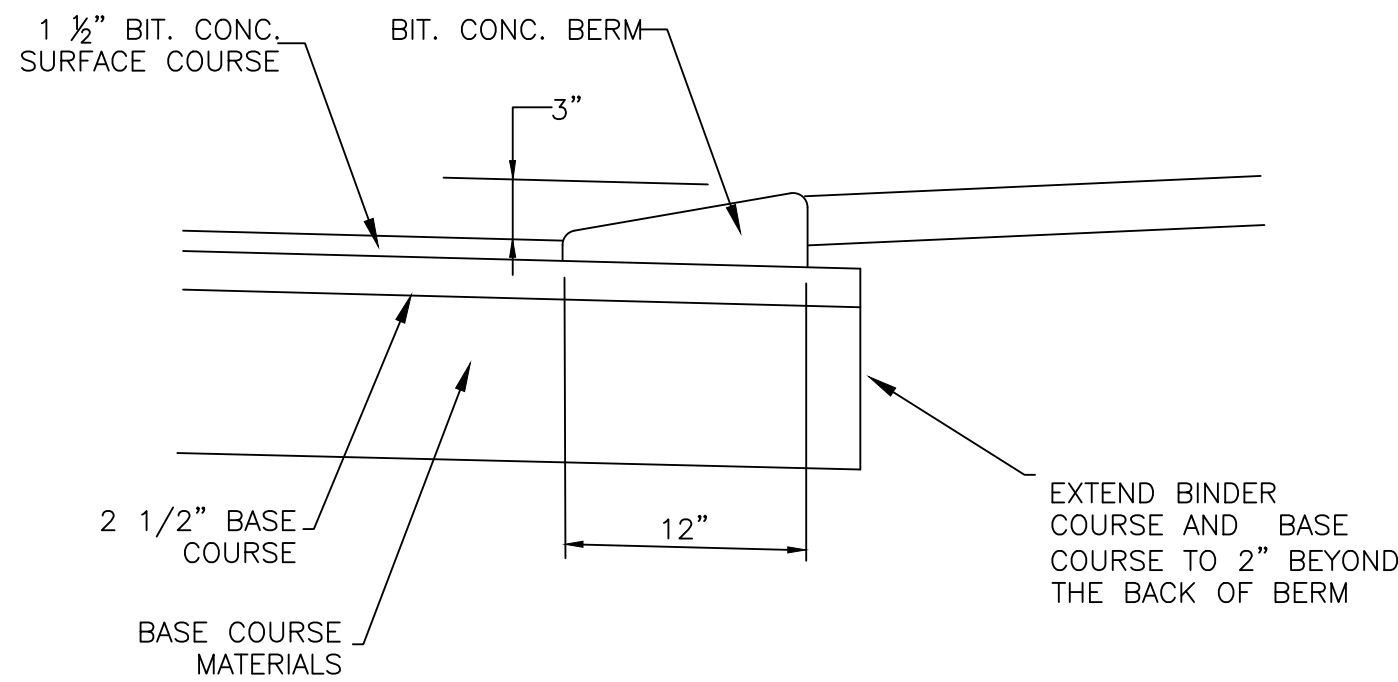
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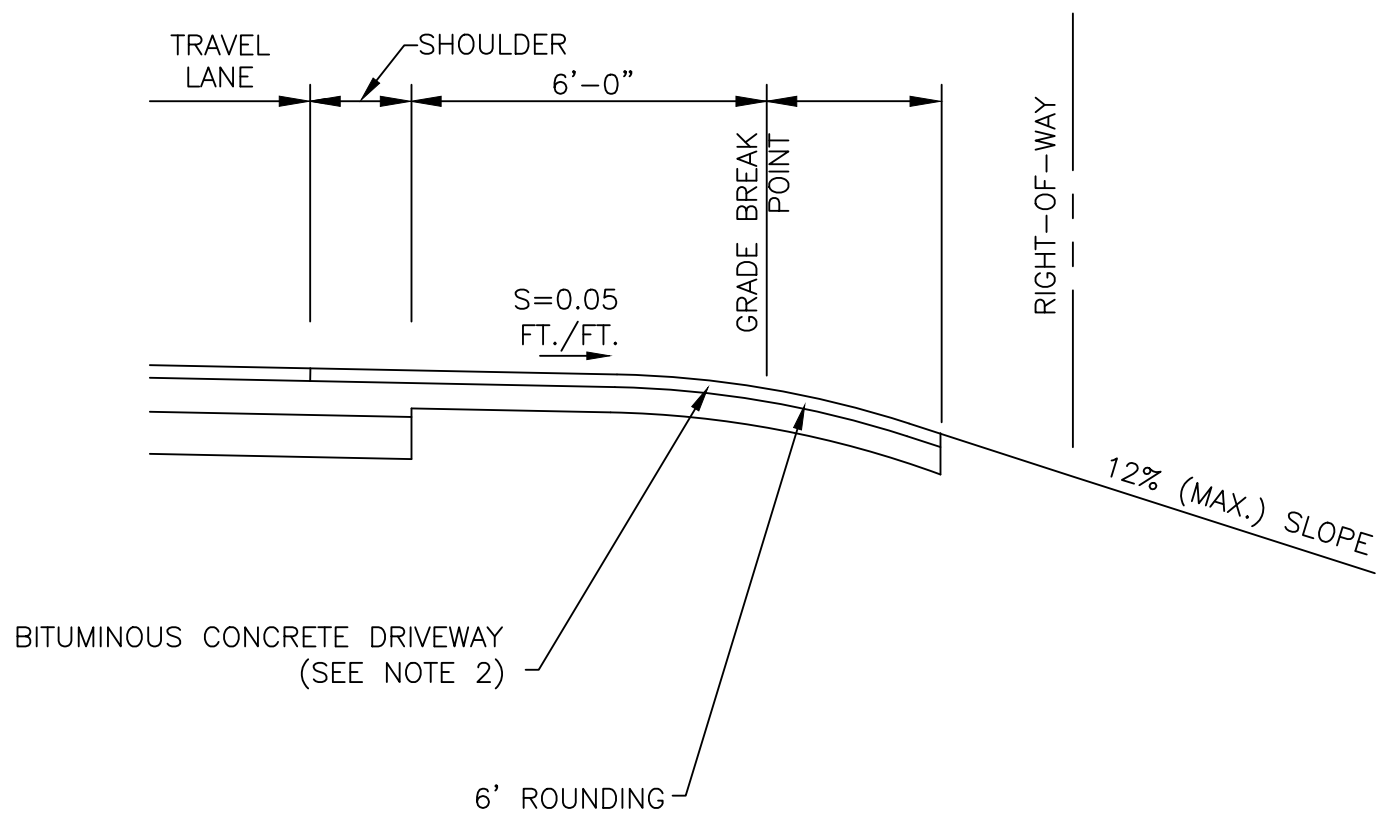
TYPICAL ROADWAY SECTION
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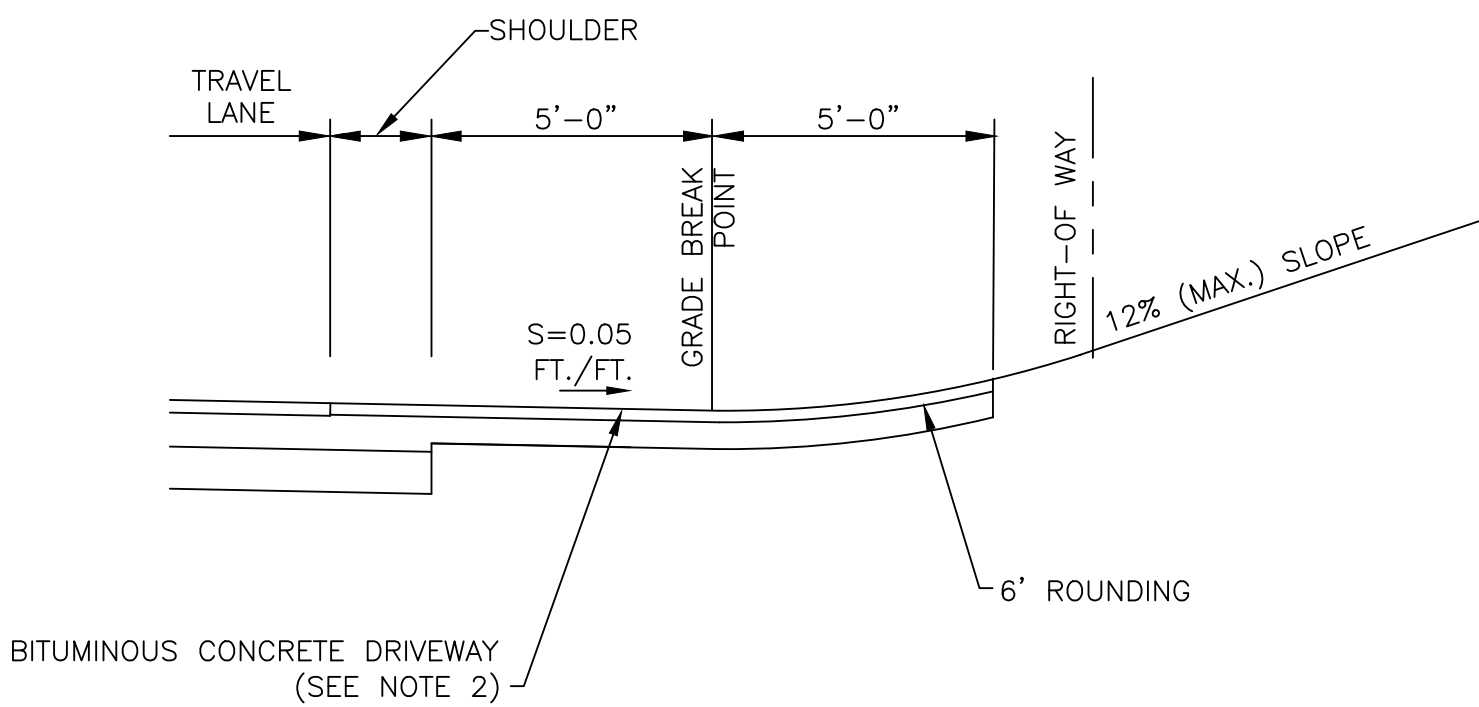
**TYPICAL ROADWAY SECTION
ADDITIONAL CHRUshed GRAVEL AREAS**
NOT TO SCALE



BITUMINOUS BERM DETAIL
NOT TO SCALE



TYPICAL RURAL DRIVEWAY - FILL SECTION

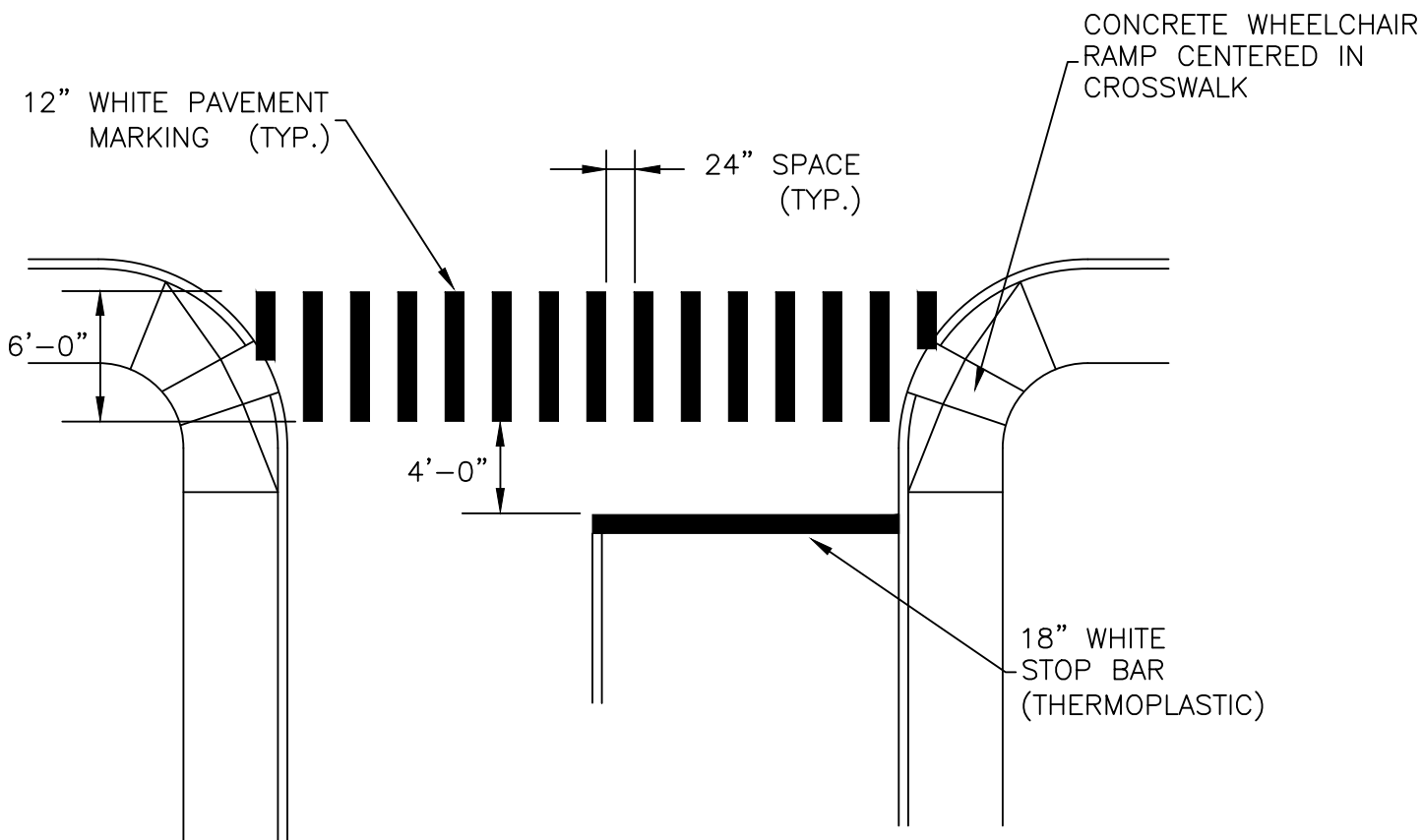


TYPICAL RURAL DRIVEWAY - CUT SECTION

NOTES:

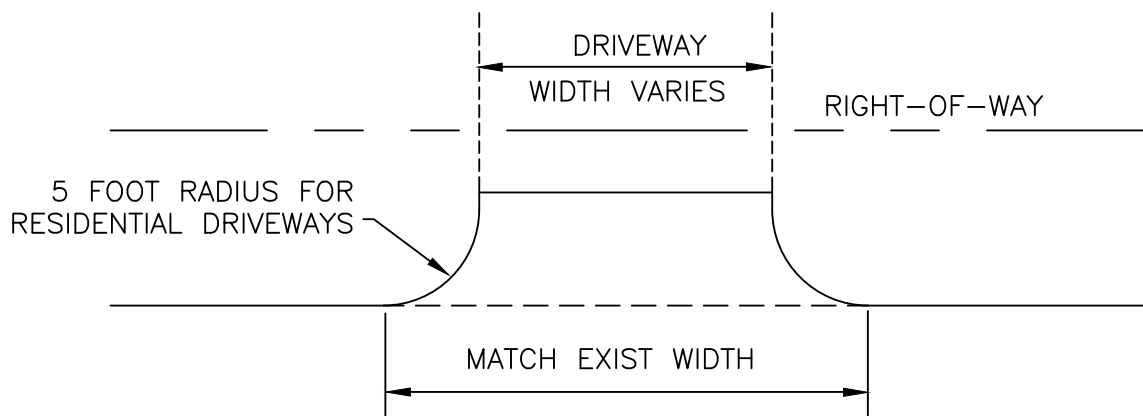
1. ALL DRIVEWAYS WILL HAVE A MINIMUM RADIUS OF 5 FEET FROM THE EDGE OF THE ROADWAY PAVEMENT TO THE DRIVEWAY PAVEMENT.
2. DRIVEWAYS WILL BE PAVED WITH BITUMINOUS CONCRETE TO 10' FROM THE ROADWAY PAVEMENT TO WITH A MINIMUM OF 1" SURFACE COURSE, 2" BASE COURSE AND 6" OF CRUSHED GRAVEL OR 8" RECLAIMED BASE.

TYPICAL DRIVEWAY DETAILS
NOT TO SCALE



1. ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) INCLUDING ALL ADDENDA.
2. PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS IN ACCORDANCE WITH NHDOT STANDARDS.

PAVEMENT PARKINGS AT INTERSECTION DETAIL
NOT TO SCALE



PLAN

1. ALL DRIVEWAYS WILL HAVE A MINIMUM RADIUS OF 5 FEET FROM THE EDGE OF THE ROADWAY PAVEMENT TO THE DRIVEWAY PAVEMENT.
2. ALL RESIDENTIAL DRIVEWAYS WILL BE PAVED WITH BITUMINOUS CONCRETE TO 10' OF THE EDGE OF THE ROADWAY PAVEMENT WITH MINIMUM OF 1" SURFACE COURSE, 2" BASE COURSE AND 6" OF CRUSHED GRAVEL OR 8" RECLAIMED BASE.

DRIVEWAY APRON - DETAIL
NOT TO SCALE

REVISIONS			
NUMBER	DATE	BY	DESCRIPTION



2-19-24

KVPPartners **LLC**

P.O. Box 432
New Boston, NH 03070
(603) 413-6650

SCALE AS NOTED

OLD PINE TREE CEMETERY
ROAD PAVING PROJECT
LEBANON, NEW HAMPSHIRE

CONSTRUCTION DETAILS

SHEET NO.

7

FEBRUARY 2024

BEST PRACTICES

Policies

The City shall utilize all adopted policies that relate to the right-of-way as appropriate, including:

[City of Lebanon Policy Statement on Design and Construction Standards for Streetscapes](#)
(Attached PDF on Email from Catheryn on 4/3)

Design Guidance and Flexibility

The City shall utilize the latest accepted or adopted design standards available, including:

1. American Association of State Highway and Transportation Officials (AASHTO)
 - o Guide for the Planning, Design and Operations of Pedestrian Facilities (2004)
 - o Guide for the Development of Bicycle Facilities (4th edition, 2012)
 - o [A Policy on Geometric Design of Highways and Streets, 6th Edition, 2011 - Table of Contents \(nacto.org\)](#)
2. American Planning Association (APA) & American Society of Civil Engineers (ASCE)
 - o U.S. Traffic Calming Manual (2009) [U.S. Traffic Calming Manual | Reid Ewing | Taylor & Francis eBooks, Re \(taylorfrancis.com\)](#)
3. Federal Highway Administration (FHWA) [Guidance - Bicycle and Pedestrian Program - Environment - FHWA \(dot.gov\)](#)
 - o Manual of Uniform Traffic Control Devices (MUTCD) [mutcd2009r1r2edition.pdf \(dot.gov\)](#)
 - o PEDSAFE: [Pedestrian Safety Guide and Countermeasure Selection System \(pedbikesafe.org\)](#)
 - Pedestrian Safety Guide
 - Countermeasures Selection System
 - o Guidance on Bicycle and Pedestrian Facility Design Flexibility
4. Institution of Transportation Engineers (ITE)
 - o Designing Walkable Urban Thoroughfares: A Context Sensitive Approach (2010)
 - o Neighborhood Street Design Guidelines (2010)
5. National Association of City Transportation Officials (NACTO)
 - o Urban Bikeway Design Guide (2nd Edition, 2012) [Urban Bikeway Design Guide | National Association of City Transportation Officials \(nacto.org\)](#)
 - o Urban Street Design Guide (2013) [Urban Street Design Guide | National Association of City Transportation Officials \(nacto.org\)](#)

6. U.S. Architectural and Transportation Barriers Compliance Board (the Access Board)

- o Accessible Rights-of-Way: A Design Guide

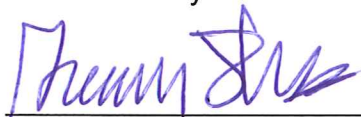
7. Active Transportation Alliance

- o Complete Streets Complete Networks: A Manual for the Design of Active Transportation
[Design Guides – Active Transportation Policy \(atpolicy.org\)](https://atpolicy.org/design-guides/)

CITY OF LEBANON POLICY STATEMENT ON DESIGN AND CONSTRUCTION STANDARDS FOR STREETSCAPES

Effective Date: June 27, 2012

Authorized By:



Greg Lewis, City Manager

Approved by City Council: June 27, 2012

POLICY STATEMENT: Streets must be designed and constructed in a manner that protects the financial interest of the community, and that preserves the character and ecology of existing neighborhoods. They must withstand long-term use by a diverse population, allowing safe travel by motorists, bicyclists, and pedestrians, and be planned with future development patterns in mind.

PURPOSE: To provide safe, cost-cautious, well-planned travel-ways that serve the best interests of the Lebanon Community now and for the foreseeable future.

1. FUNCTIONAL CLASSES OF STREETS

PLACEMAKING – Lower-speed streets with ample sidewalks and facilities for all travel modes (bikes, transit, cars, pedestrians) designed to accommodate the highest volume of traffic for the space allocated. Main Street, West Lebanon and Hanover Street, Lebanon are examples of the Placemaking class.

THRU - Higher-speed thoroughfares, often with many travel lanes and very large rights-of-way. Interstate 89 and Route 120 (North to Hanover) are examples of the Thru class.

CONNECTOR – A street that transitions travelers from a higher-speed Thru street to a lower-speed Placemaking street. Seminary Hill, West Lebanon and Bank Street, Lebanon are examples of the Connector class.

LOCAL – Smaller low-speed, low-volume residential and rural streets that can safely accommodate bicycles and pedestrians. The majority of streets in the City are considered to be in the Local class.

**CITY OF LEBANON POLICY STATEMENT ON
DESIGN AND CONSTRUCTION STANDARDS FOR STREETSCAPES
Adopted: 6/27/2012**

2. LOCAL STREET TYPOLOGIES

LOCAL LINK – Often accommodates bicycle and pedestrian traffic with sidewalks, and possible bike lanes. Street is used as a connection to higher volume streets and specific destinations.

LOCAL COLLECTOR – Creates a merger of local streets, but does not conduct significant through-traffic. Street is usually served with one sidewalk.

QUIET STREET – Locally utilized with very little through traffic. Travel way is shared by all users and street does not contain sidewalks.

3. DESIGN STANDARDS FOR STREET CLASSES AND TYPOLOGIES

A. PLACEMAKING, THRU, & CONNECTOR STREETS

The functional classes of these streets often dictate that they serve as “gateways” (in one form or another) and should therefore be designed in a manner that is inviting, highly usable, and aesthetically welcoming for residents and visitors. Construction should include concrete sidewalks, granite curbing, sufficient facilities for all forms of travel, and street trees wherever possible.

B. LOCAL (TO INCLUDE LOCAL LINK, LOCAL CONNECTOR, AND QUIET STREETS)

The functional class and typology of these streets allow for greater flexibility in design and construction. Reconstructed streetscapes should be planned to facilitate existing conditions (i.e. replacement of existing sidewalks and/or curbing) unless neighborhood input dictates change.

1. Streets deemed to be “quiet” streets shall not contain sidewalks unless neighborhood input requires reconsideration. Curbing and/or a drainage swale shall be utilized to separate private property from the street line, and to control the movement/disbursement of water.
2. Curbing materials (whether or not there is a sidewalk) shall be determined at the time of final design and should be based on the character and ecological conditions of the existing neighborhood.
3. Separated bicycle lanes should be considered on streets deemed to be “local link,” and in some cases, “local collector.”

**CITY OF LEBANON POLICY STATEMENT ON
DESIGN AND CONSTRUCTION STANDARDS FOR STREETSCAPES
Adopted: 6/27/2012**

4. PROTECTION OF EXISTING TREES

Street trees enhance the quality of life in the City, and serve an important function in traffic calming and encouraging pedestrian travel. To the greatest extent possible, existing trees shall be protected and maintained during street projects. An expert on urban tree maintenance and preservation shall be consulted during the design phase to assess all potentially affected trees, and a report shall be provided outlining options to mitigate any impact. Property owners and/or residents of the street shall be informed of the report's findings before the final street design is completed.

In the event a tree must be removed, all attempts will be made to replace the tree in the same general vicinity where the tree existed.