

MEMORANDUM

BID NUMBER # 05-24

SHAKER ROAD AND TWIN BRIDGE ROAD

DRAINAGE

INVITATION TO BID

The Town of Northfield is inviting proposals for contract at the Town Hall, located at 21 Summer Street, Northfield, New Hampshire for Shaker Road and Twin Bridge Road Under Drainage Project.

Bidding documents may be obtained online at www.northfieldnh.org. Review of roads can be by appointment with the Public Works Director, 603-286-4490.

There will be a Q&A session held on **April 4th at 9:00am at the Northfield Town Hall, 21 Summer St, Northfield** everyone is invited to attend.

Sealed bids marked "05-24 Shaker Road and Twin Bridge Road Drainage Project" will be received at the Town Hall, located at 21 Summer Street, Northfield, NH until **April 19, 2024 at 2:00 PM**, at which time all bids shall be publicly opened and read aloud in any available office or conference room. Award will be by the Board of Selectmen at a regular Board meeting.

SHAKER ROAD AND TWIN BRIDGE ROAD SCOPE OF WORK

The Scope of Work shall include: Installing Under drain in shoulder of roadway, replace cross culverts, replace driveway culverts, shape and stone line swales, improve shoulders, install catch basins, drop inlets, grates and frames. Engineering provided and plans to be followed.

Date the road is available: June 1, 2024 (maybe earlier depending on mud season)

Date of completion: October 1, 2024

Start Location:	Intersection of Shaker Rd & Twin Bridge Rd
End Location:	Intersection of Knowles Pond Rd & South Rd
Length (estimated):	4300 ft
Width (estimated):	21 ft
Traffic Control:	Yes

	Est. Quantity	Unit		
Clean & Shape Swale:	1500	Ft		
Excavate Waste	3200	Cubic Yards		
Class C Stone	1200	Cubic Yards		
Hydroseeding	5900	Square Feet		
1 ½" Washed Crushed Stone	2140	Cubic Yards		
Gravel (NHDOT 304.3)	150	Cubic Yards		
Pavement Patch 2" Binder	40	Ton	\$	Per Ton

Materials Supplied by the Town, installed by Contractor	Est. Quantity	Unit
Catch Basins & Grates	9	CB
15" Under Drain	4600	Ft
18" Under Drain	240	Ft
Cross Culverts / Driveway Culverts	120	Ft
Filter Fabric	10,200	Sq Yards
Erosion Control Matting	720	Sq Yards

**BID NUMBER #05-24
SHAKER ROAD AND TWIN BRIDGE ROAD
DRAINAGE PROJECT
CONTRACTOR'S PROPOSAL**

To: Town of Northfield NH:

The undersigned, as a lawfully authorized agent for the below named Bidder/Contractor, has carefully examined the Proposal form of this Bid, to be known as Bid Number #05-24 Shaker Road and Twin Bridge Drainage Project, with the General Provisions, Specifications and other bid documents and binds himself/herself and his/her company on award to them by the Board of Selectmen to execute a contract agreement under this Proposal in accordance with such award, on such form and in such manner as is prescribed by the Town and to provide all necessary equipment, labor, materials and other items or services needed to perform all the requirements for the project Drainage Project, Northfield, NH for the following:

COST OF WORK PERFORMED ON SHAKER RD DRAINAGE PROJECT \$ _____

COST OF WORK PERFORMED ON TWIN BRIDGE RD DRAINAGE PROJECT \$ _____

TOTAL COST \$ _____ (must include any mobilization fees)

I acknowledge that I have read and understand the instructions and specifications of the proposed agreement, minimum specifications, and this bid sheet.

Respectively submitted,

Print Bidder/Contractor's Name

Print Representative's Name and Title

Representative's Signature

Date

Street

City

State

Zip

Telephone

Fax Number

Email

Person signing proposal must be a person in your company authorized to sign a Contract with the Town of Northfield, NH.

General Provisions

1. Each bid shall be submitted in a sealed envelope clearly identified with the Bidder's name and marked "Shaker Rd and Twin Bridge Rd Drainage Project" and will be received at the Town Hall, located at 21 Summer Street, Northfield, NH until **April 19, 2024 at 2:00 pm**.
2. Bids will be publicly opened and read aloud at any available office or conference room at the Town Hall, located at 21 Summer Street, Northfield, NH, on **April 19, 2024 at 2:00 pm**. Bids when opened shall be irrevocable for a period of thirty (30) calendar days following bid-opening date. Following a review of the bids by staff, the Board of Selectmen will award the bid at a regular public meeting.
3. The Town expressly reserves the right to reject any or all bids as the Board of Selectmen may determine and to waive defects in form of minor irregularities where the best interest of the Town would be served.
4. The bid price shall not include Federal or State taxes. If such are applicable, the successful Bidder shall furnish the Town with the necessary tax-exempt forms in triplicate upon submission of the invoice.
5. The Bidder shall not, directly or indirectly, enter into any agreement, participate in any collusion, or otherwise take any action in restraint of free competitive bidding in connection with this bid.
6. The successful Bidder shall not use the name of the Town in any advertising without first obtaining written permission from the Board of Selectmen.
7. Any change to the provisions or specifications of this Bid shall be made by written addendum issued no later than four (4) working days prior to the bid opening date. Prospective Bidders shall have complete responsibility for being aware of any and all addenda.
8. The bidder's attention is drawn to the fact that they shall observe and comply with all applicable Federal and State Laws and Regulations, Town Ordinances and the Rules and Regulations of all authorities having jurisdiction over the project, and these shall apply to the contract the same as though written out herein in full, and the Contractor shall indemnify the Town and its representatives against any claim or liability arising from or based on any such law, ordinance, rules and regulation by themselves or by their employees. The successful Bidder shall notify the Town immediately if these bid documents are at variance with any laws or regulations.
9. The Town may make such investigations as it may deem necessary to determine the ability of the bidder to perform the services, and the bidder shall furnish the Town all such information for this purpose that the Town may request. The Town reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Town that such bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein.
10. The Contractor shall secure and pay for all permits and licenses for this work in accordance with the bid documents, contract and specifications required for a complete and finished job.
11. The Contractor shall be responsible for all damage to property, or injury to persons, arising out of their actions or failure to act. They shall indemnify and hold harmless the Town from any and all demands, suits or judgments arising in conjunction with or as a result of the Contractor's performance of this contract.
12. The bidder shall, in the employment of labor, comply with the laws of the State of New Hampshire, including but not limited to Chapter 275, RSA, as amended, "Hours of Labor", Chapter 279, RSA, as amended, "Minimum Wage Law".
13. The bidder shall take out and maintain at their own expense insurance against damages arising from injury to their employees in accordance with Chapter 281, RSA, as amended, "Worker's Compensation Acts" and from claims for

damages because of bodily injury including death and for all property damages, including without limitations, damage to buildings, which might arise from and during operations under this contract, whether such operations be by themselves or by any subcontractor or anyone directly or indirectly employed by either of them. The Contractor shall insure the activities of their subcontractors in their own policy, for subcontractors Public Liability and Property Damage Insurance and Vehicle Liability Insurance of the types and amounts as herein specified. Approval of insurance by the Town shall not relieve the Liability of the Contractor there under. Certificates from the insurance companies as to the amount and type of coverage, terms of the policy, etc. shall be filed with the Town Hall in single copy.

- A. **COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE.** The Contractor shall take out and maintain during the life of this Contract the statutory Worker's Compensation and Employer's Liability Insurance for all of their employees to be engaged in work on the project under this Contract and, in case any such work is sublet, the Contractor shall require the subcontractor similarly to provide Worker's Compensation and Employer's Liability Insurance for all work of the latter's employees to be engaged in such work.
- B. **BODILY INJURY LIABILITY AND PROPERTY DAMAGE LIABILITY.** The Contractor shall take out and maintain during the life of this Contract such Bodily Injury Liability and Property Damage Liability Insurance and Automobile Bodily Injury Liability and Property Damage Liability Insurance as shall protect them and any subcontractors performing work covered by the Contract from claims for damages for personal injury, including accidental death, as well as claims for Property Damage which may arise from operations under this Contract, whether such operations be by themselves or by the subcontractor or by anyone directly and/or indirectly employed by either of them, and the amount of insurance shall not be less than:
- (1) Bodily Injury Liability Insurance, in an amount not less than One Million Dollars (\$1,000,000) for injuries, including wrongful death to any one person and subject to the same limits for each person in an amount less than One Million Dollars (\$1,000,000) on account of one accident.
 - (2) Property Damage Insurance in an amount not less than One Million Dollars (\$1,000,000) for damages on account of one accident or all accidents.
- C. **TOWN OF NORTHFIELD'S PROTECTIVE LIABILITY INSURANCE.** The Contractor shall name the Town of Northfield as one of the insured on all policies required, except Worker's Compensation.
- D. All policies and certificates of insurance shall carry a 30-day notice of cancellation or change in expiration and notice of such cancellation or change in expiration shall be sent to the Board of Selectmen.
14. The bidder is to submit Proposal on the attached Bid Form of Unit Prices.
15. The successful bidder shall execute and deliver the contract within ten (10) calendar days to the Town.
16. Work on this project shall commence as soon as the Town has roads prepared and after signing of the contract and shall be completed in its entirety prior to **October 31, 2024**. The Town of Northfield will make every effort to have projects ready as soon as materials arrive. The bidder **must** notify the Town of Northfield, in writing, seven (7) days prior to the start of this project.
17. The bidder will guarantee the work and materials and the work and the materials of all subcontractors for a period of one (1) year from the date of acceptance of the work by the Town and agree to leave the work in perfect order at completion. Neither the final certificate of payment nor any provision in the Contract documents shall relieve them of responsibility for negligence, or faulty materials, or workmanship within the extent and period provided by law, and upon written notice they shall remedy any defaults due thereto, and pay all expenses for any damage to work resulting there from. It is hereby specifically agreed and understood that this guarantee shall not include any cause or causes other than defective work or materials. It is further understood that the Board of Selectmen shall be the final judge as to whether or not any defect is a defect in workmanship and/or materials, which is the bidder's responsibility.

18. The Contract Documents shall include the "Invitation to bid"; "General Provisions", "Specifications", "Proposal", any issued addenda, and the final executed "Contract Agreement".

The intent of these documents is to include all labor, materials, appliances and services of every kind necessary for the proper execution of the work and the terms and conditions of payment thereof.

The documents are to be considered as one, and whatever is called for by any one of the documents shall be as binding as if called for by all.

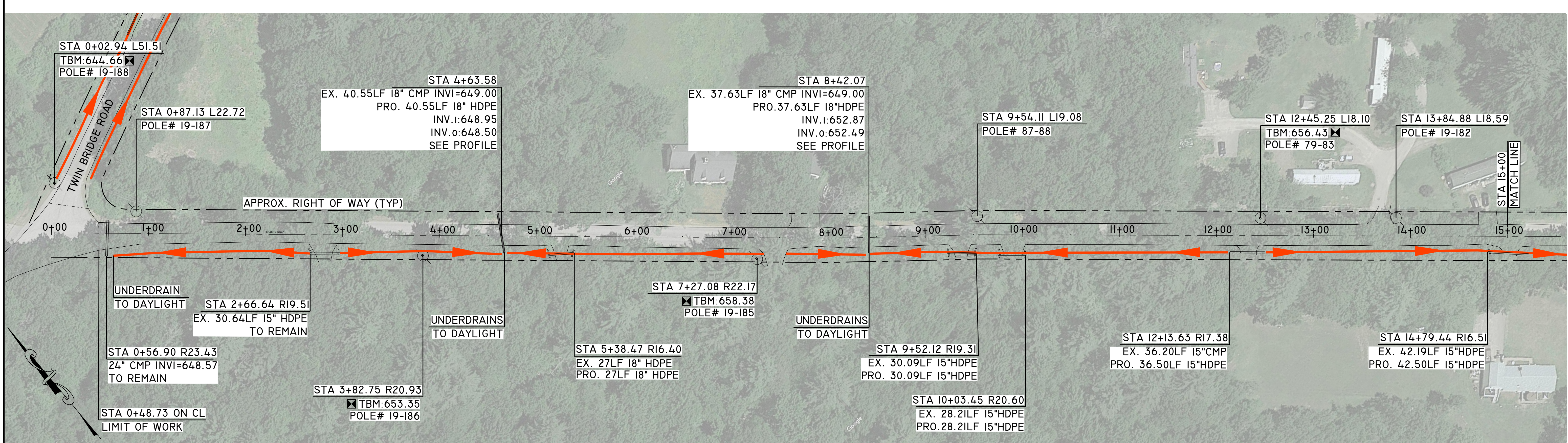
19. A complete understanding of the conditions as they exist is required by a careful personal examination of the work at the site. The Contractor also shall examine carefully the specifications and the Contract forms of the work contemplated. The Contractor shall not, at any time after the execution of the Contract, set up any claims whatsoever based upon insufficient data or incorrectly assumed conditions, nor shall it claim any misunderstanding in regard to the nature, conditions, or character of the work to be performed under this contract, and it shall assume all risks resulting from any change in the conditions which may occur during the progress of the work.
20. The Town shall make payment on account of the Contract as follows: The Contractor shall invoice the Town for the work completed. After receipt of the Contractor's invoice by the Town, the Town's agent shall inspect the premises and if the work has been completed in accordance with the Contract Documents, the Town will make payment on or within 30-days of the approved amount of the invoice. Before final payment is made to the Contractor, it shall submit evidence satisfactory to the Board of Selectmen that all payrolls, material bills, and other indebtedness connected with the work have been paid.
21. After execution of the Contract, there shall be no changes in the Bid Documents except by a written amendment executed in the same manner as the Contract or by Change Order as described below:

CHANGE ORDERS:

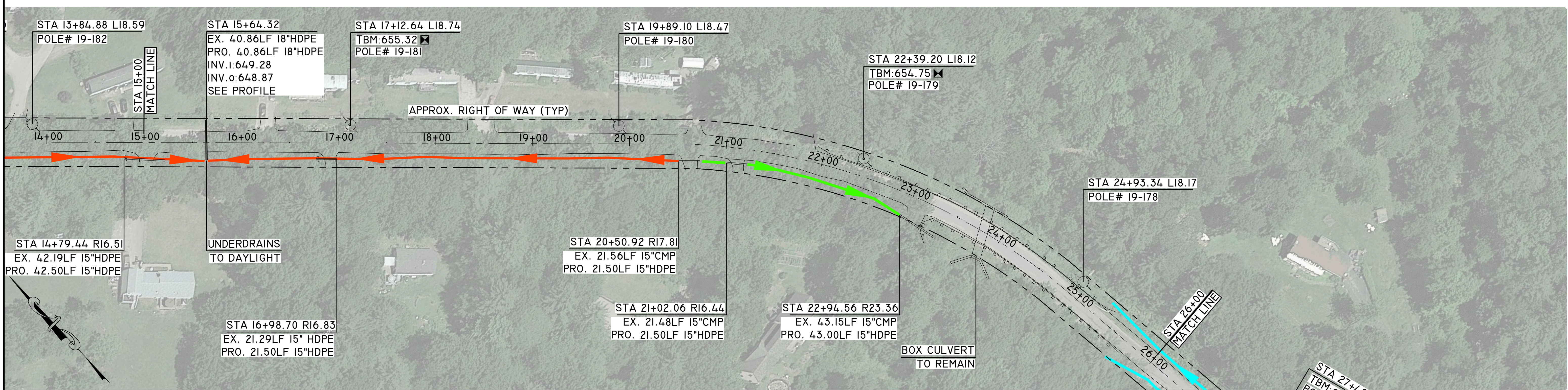
- A. The Town, without invalidating the Contract, may order changes in the work within the general scope of the Contract consisting of additions, deletions or other revisions, the Contract sum and the Contract time being adjusted accordingly. All such changes in the work shall be executed under the applicable conditions of the Contract Documents.
- B. A change order is a written order to the Contractor signed by the Board of Selectmen and the Contractor, after execution of the Contract, authorizing a change in the work and/or an adjustment in the Contract sum and/or in the Contract time.
- C. The terms of any change order shall be mutually agreed to by the Contractor and the Board of Selectmen.
22. The entire work contemplated by the Contract shall be under the supervision of the Board of Selectmen, or their agents so designated, and all questions concerning the prosecution of the work shall be referred to and decided by them.
23. **DETERMINATION AND EXTENSION OF CONTRACT TIME.** It is an essential part of the Contract that the Contractor shall perform fully, entirely and in an acceptable manner, the work under Contract within the time stated in the Contract. If the Contractor finds it impossible for reasons beyond its control to complete the work within the Contract time, it shall make a written request to the Board of Selectmen for an extension of time setting forth the reasons which it believes will justify the granting of its request. The Contractor's plea that insufficient time was specified is not a valid reason for extension of time. If the Board of Selectmen finds that the work was delayed because of conditions beyond the control and without the fault of the Contractor, including but not limited to acts of God, utility relocation's, strikes, delays in the delivery of critical materials, and work requiring specialists for whose starting time a reasonable latitude must be allowed, the Board of Selectmen may extend the time for completion in such amount as conditions justify. When extension of the Contract time is required due to delays in the delivery of critical materials, sufficient evidence must be

furnished to the Town at the time the delay occurs showing that such delay results from the materials being unavailable by reason of unusual market conditions such as an industry-wide strike, natural disaster or an area-wide shortage which arises after bids are taken and which prevents the procurement of materials within the allowable time of limitations. Delays due to slow delivery from a source of supply when the required material is available elsewhere will not be considered as justification for an extension of time.

24. **FAILURE TO COMPLETE ON TIME.** For each day that any work shall remain uncompleted after the Contract time specified for completion of the work, including extensions, the fixed daily charge specified below will be deducted from any money due the Contractor, not as a penalty, but as liquidated damages. Permitting the Contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the Town of any of its rights under the Contract. The Board of Selectmen may waive such portions of the liquidated damages as may occur after the work is in condition for safe and convenient use. The fixed, agreed liquidated damages shall be \$500.00 per day.
25. The Town may withhold any amount of money otherwise due the Contractor to offset such liquidated damage and the Contractor and its SURETY shall be liable to the Town for all additional liquidated damages as provided herein.
26. **ASSIGNMENT.** The contractor shall not assign, sublet, or transfer its interests in this agreement without written consent of the Town of Northfield.



SHAKER ROAD STA. 0+00 - 15+00



SHAKER ROAD STA. 15+00 - 26+00

LEGEND

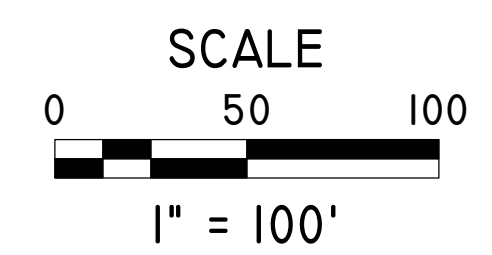
- SWALE TO BE CLEANED AND SHAPED ———
- SWALE WITH RIP-RAP ———
- SWALE WITH UNDER-DRAIN ———
- IMPROVED SHOULDER - - - - -
- EXISTING CULVERT ———
- PROPOSED NEW DRAINAGE STRUCTURE ○
- UTILITY POLE WITH TEMPORARY BENCH MARK (TBM) ⊠

PIPE TYPES

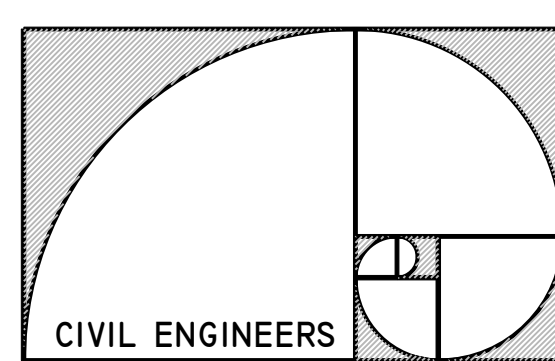
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| REINFORCED CONCRETE PIPE | RCP |
| HIGH DENSITY POLYETHYLENE PIPE | HDPE |
| CORRUGATED METAL PIPE | CMP |

GENERAL NOTES

- FOR SWALES TO BE CLEANED AND SHAPED SEE DET-8
- FOR SWALES TO BE SHAPED AND RIP-RAP LINED SEE DET-5
- FOR UNDER-DRAIN CROSS SECTION SEE DET-1
- FOR PROPOSED CATCH BASIN SEE DET-2
- FOR PROPOSED DROP INLET SEE DET-6
- FOR STRUCTURE RIM AND COVERS SEE DET-7

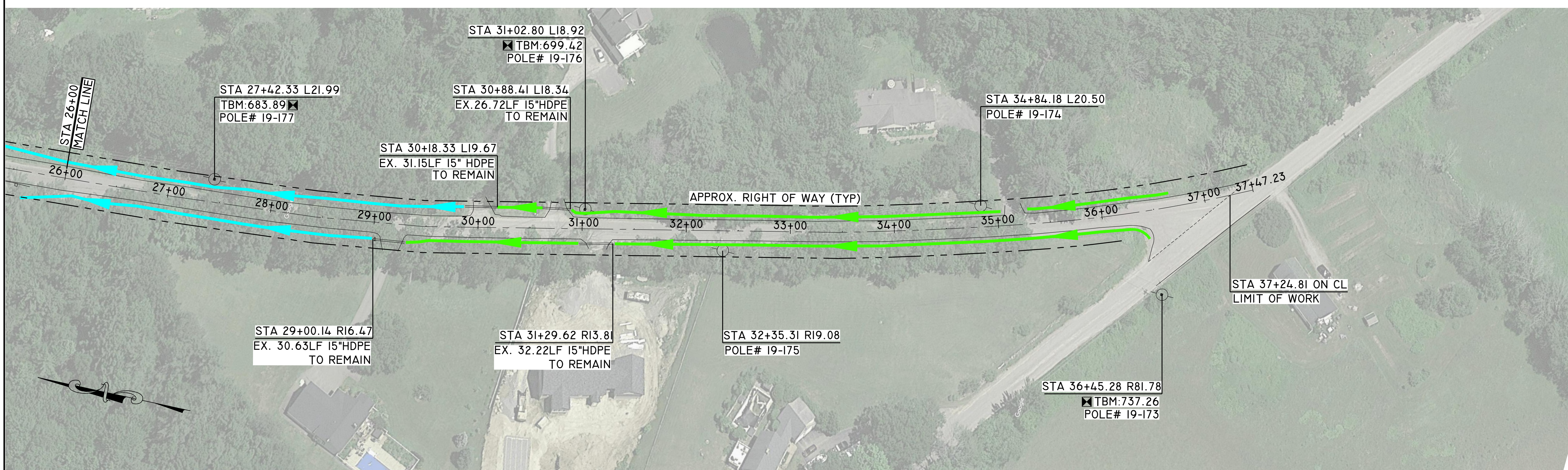


PLAN DATE: 11-30-22

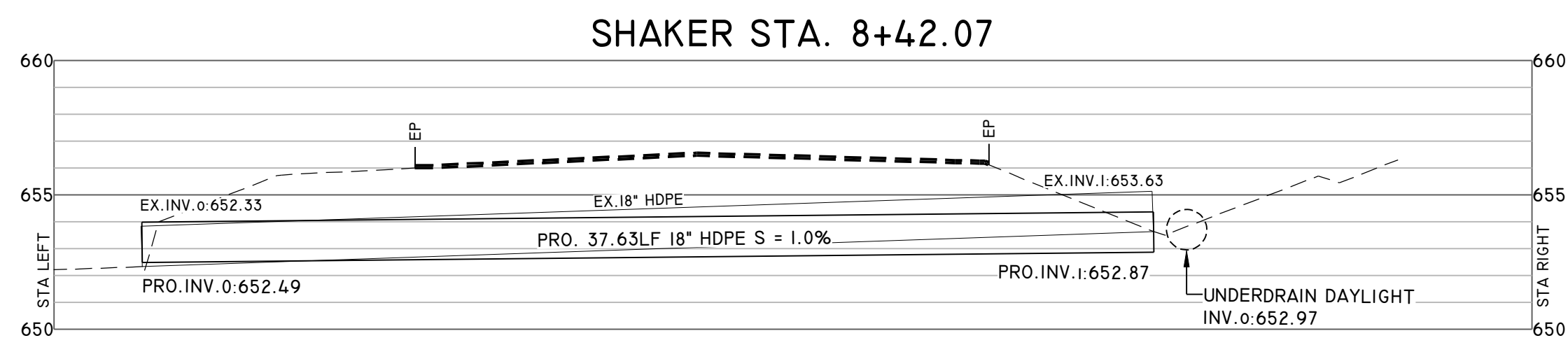
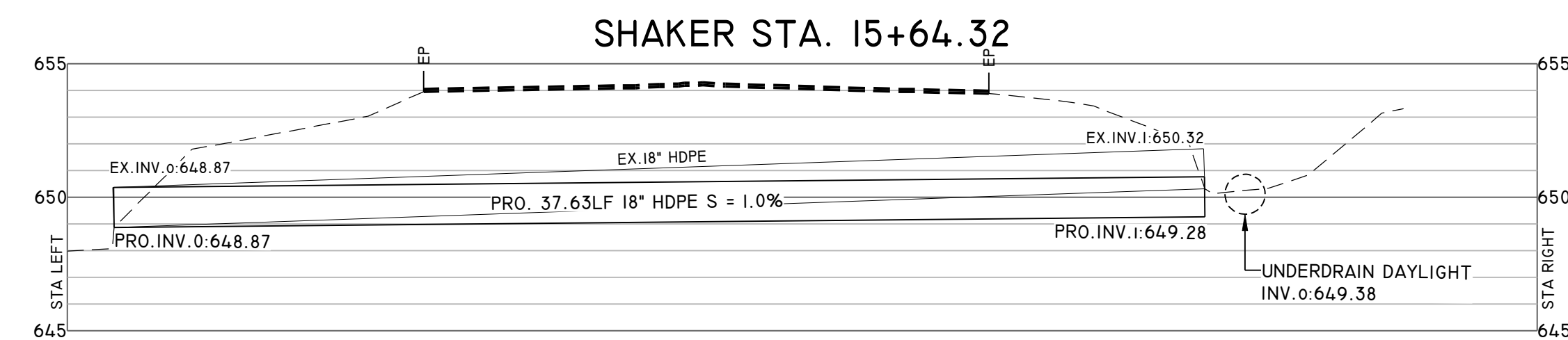
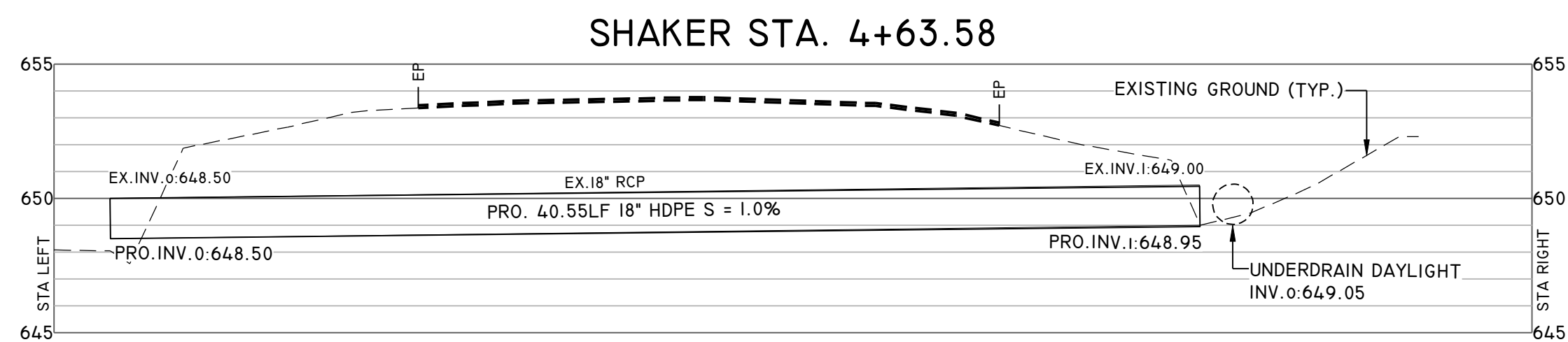


**BROWN
ENGINEERING**

63 WEST STREET - P.O. BOX 703
ASHLAND, NH 03217
TEL: (603) 744-1044
WWW.BROWNEENGINEERINGLLC.COM



SHAKER ROAD STA. 26+00 - 37+47



PROFILE SCALE

HOR. 1" = 10'
VERT. 1" = 10'

PROFILE LEGEND

- EXISTING GROUND
- EXISTING PAVEMENT
- PROPOSED GRADE
- EXISTING PIPE
- PROPOSED PIPE
- PROPOSED UNDERDRAIN

SHAKER ROAD PROFILES

LEGEND

- SWALE TO BE CLEANED AND SHAPED
- SWALE WITH RIP-RAP
- SWALE WITH UNDER-DRAIN
- IMPROVED SHOULDER
- EXISTING CULVERT
- PROPOSED NEW DRAINAGE STRUCTURE
- UTILITY POLE WITH TEMPORARY BENCHMARK (TBM)

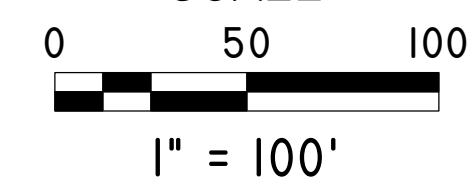
PIPE TYPES

- | | |
|--------------------------------|------|
| REINFORCED CONCRETE PIPE | RCP |
| HIGH DENSITY POLYETHYLENE PIPE | HDPE |
| CORRUGATED METAL PIPE | CMP |

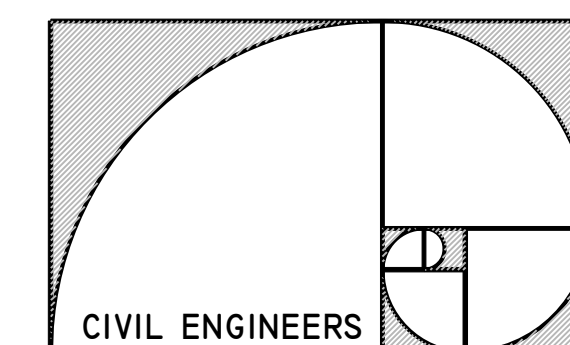
GENERAL NOTES

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- FOR PROPOSED DROP INLET SEE DET-6
- FOR STRUCTURE RIM AND COVERS SEE DET-7

SCALE

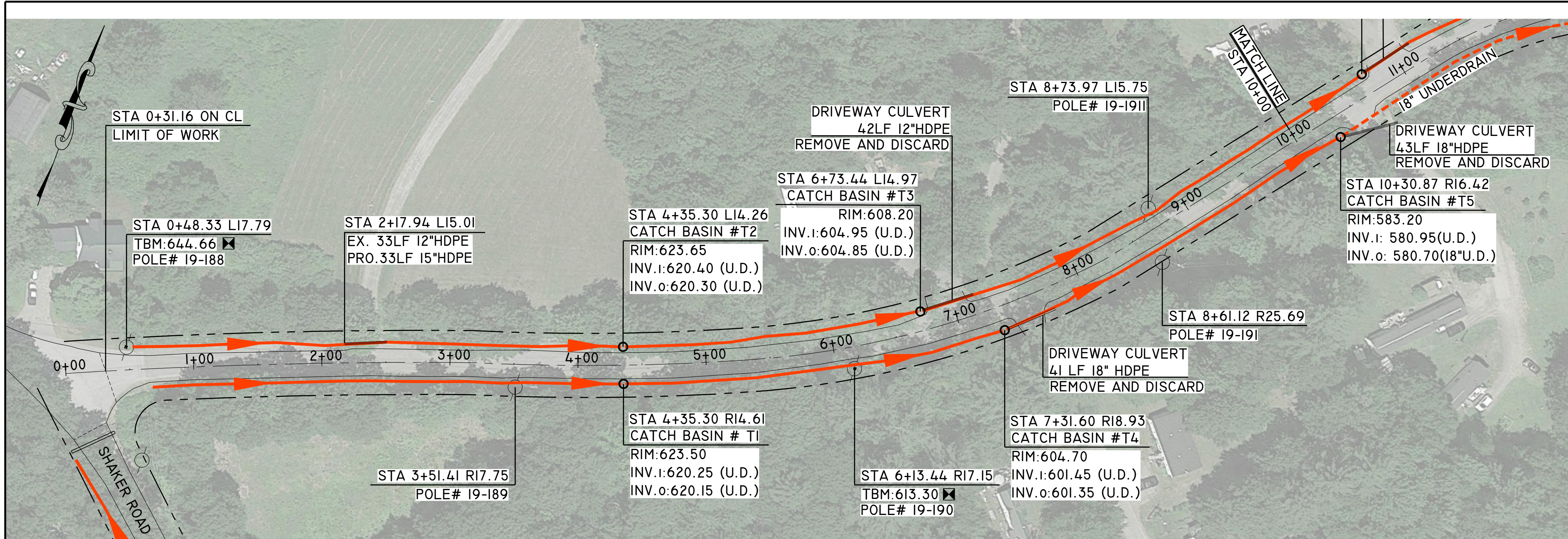


PLAN DATE: 11-30-22

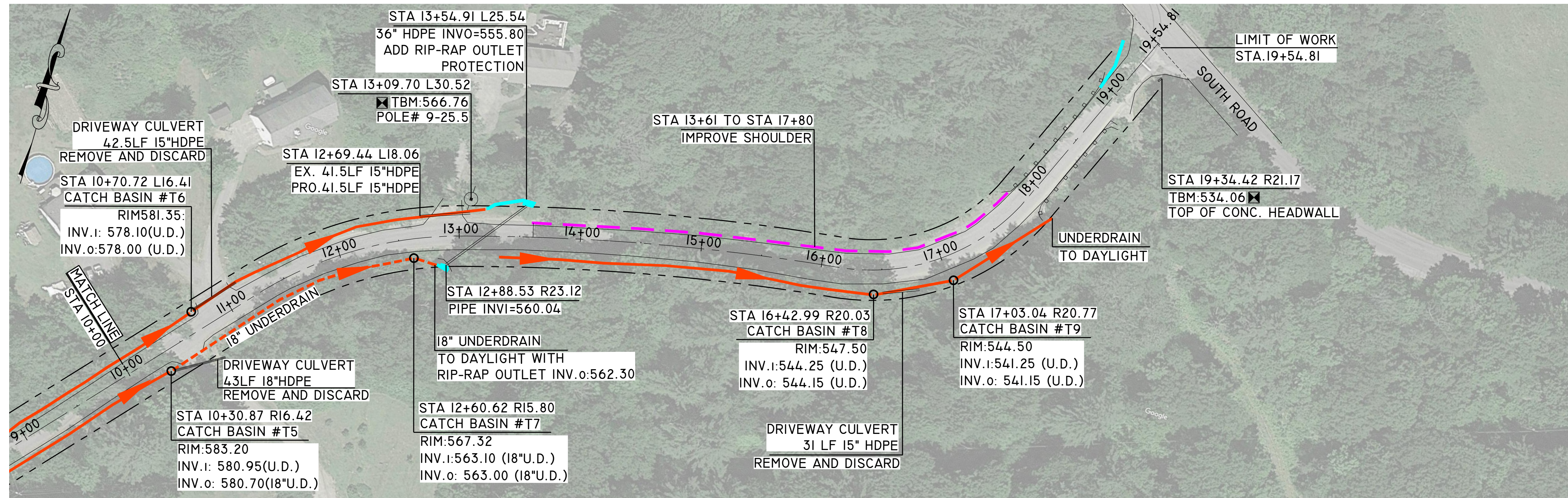


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TWIN BRIDGE ROAD STA. 0+00 - 10+00



TWIN BRIDGE ROAD STA. 10+00 - 19+54

LEGEND

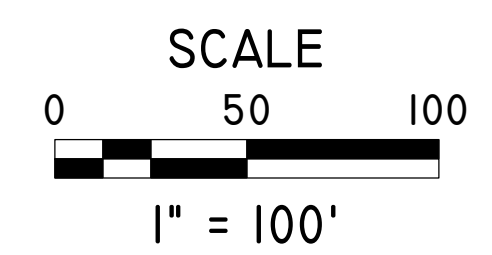
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PIPE TYPES

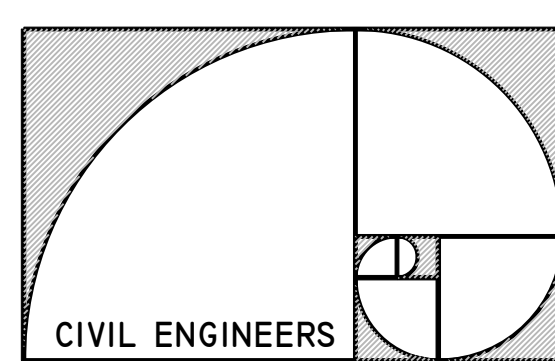
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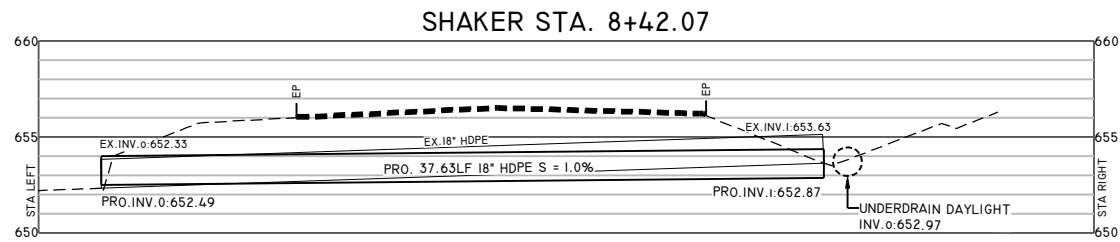
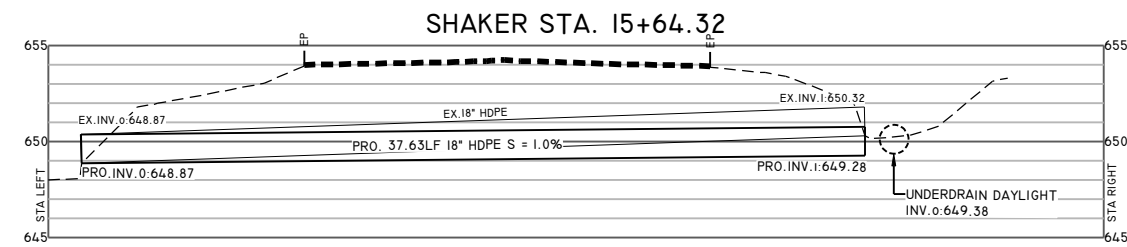
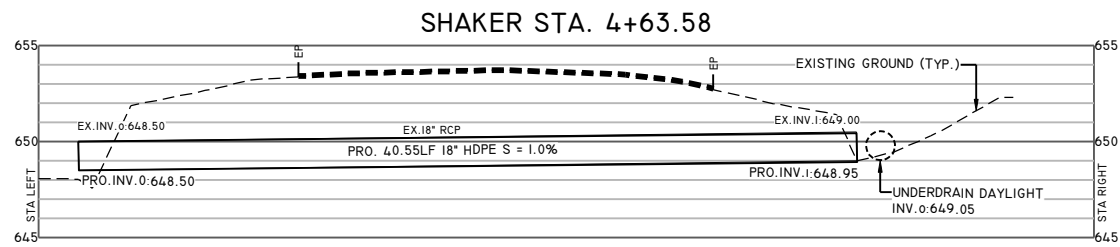


PLAN DATE: 11-30-22



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PROFILE LEGEND

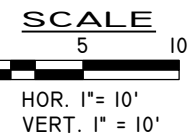
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PIPE TYPES

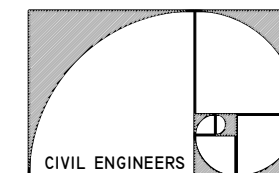
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| REINFORCED CONCRETE PIPE | RCP |
| HIGH DENSITY POLYETHYLENE PIPE | HDPE |
| CORRUGATED METAL PIPE | CMP |

GENERAL NOTES

- ALL PROFILES ARE CUT FROM STATION LEFT TO STATION RIGHT



PLAN DATE: 10-24-22



BROWN

ENGINEERING

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SHAKER & TWIN BRIDGE PROFILES