



TOWN OF PUTNAM

TOWN HALL
200 SCHOOL STREET
PUTNAM, CONNECTICUT 06260

Inland Wetland Commission Special Meeting
Hybrid Meeting
December 29, 2022 6:00 P.M.
Municipal Complex Room 109 First Floor

Agenda:

1. Call to Order & Roll Call:

Continue Public Hearing on Application 2022—09 Putnam River Road, LLC & 285 River Road, LLC request for an 11 lot Subdivision and Gravel Excavation for properties located at 357 River Road, Town Assessors Map 043, Lot 010, Zoned Agricultural-2 and 285 River Road, Town Assessors Map 043 Lot 005, Zoned Agricultural-2. Development will include the excavation of gravel to create two permanent ponds. VOTE REQUIRED

Regular Meeting:

1. Correspondence:

2. Public Participation:

3. Unfinished Business: - (Review/Discussion/Action)

A. Application 2022-09 285 River Road LLC – Putnam River Road LLC - 285 River Road and 357 River Road– 11 Lot Subdivision and Gravel Excavation

4. Comments By Commissioners:

5. Adjournment.

Join Zoom Meeting

<https://us06web.zoom.us/j/84084291947?pwd=bEVQTjdvdRU13SW81ODdsZTlFOHdrQT09>

Meeting ID: 840 8429 1947

Passcode: 0qrRnn

By Phone +1 929 205 6099 US (New York)

Meeting ID: 840 8429 1947

Passcode: 140600

Find your local number: <https://us06web.zoom.us/j/kcV5v2FRnq>

Provost & Rovero, Inc.

Civil Engineering • Surveying • Site Planning • Structural • Mechanical • Architectural Engineering

P.O. Box 191
57 East Main Street
Plainfield, CT 06374

Telephone (860) 230-0856
Fax (860) 230-0860
www.prorovinc.com

December 16, 2022

Town of Putnam
Inland Wetlands Commission
Attention: Bruce Fitzback, Land Use Agent
200 School Street
Putnam, CT 06260

**RE: 285 River Road & 357 River Road – Proposed 11 Lot Resubdivision – Putnam, CT
P&R Job No. 203095**

Dear Mr. Fitzback:

Attached please find three copies of revised plans for the above referenced project. The plan revisions have been prepared to address comments and concerns raised during the November 30, 2022 public hearing about the proposed temporary bridge crossing of Carpenter Brook and are summarized as follows:

1. The “Excavation Sequence of Operations” notes on sheet 16 (note #5) have been revised to better clarify that access for installation of the temporary bridge over Carpenter Brook may be provided from both sides of the bridge for the necessary construction. Reference is also made to specific bridge construction notes on sheet 17.
2. Specific bridge construction and removal notes have been added to sheet 17 requiring the completion of construction and removal without equipment operations or other direct impacts within wetlands. Stabilization and restoration requirements following removal are also specified.
3. The proposed bridge span has been increased by 10’ to provide 40’ between abutment faces. This will provide additional construction space without potential intrusion into the wetlands. The increased span will also minimize the necessary excavation and filling for installation of the abutment blocks.
4. The longitudinal bridge section and construction and removal notes specify staked straw wattles for temporary erosion and sedimentation control during construction. Inspection opportunities and requirements for the town’s wetlands agent have also been included.

If you have any questions or need additional information, please do not hesitate to contact us at your convenience.

Sincerely,



David J. Held, P.E., L.S.
Provost & Rovero, Inc.

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December 19, 2022

Town of Putnam
Inland Wetlands Commission
Attention: Bruce Fitzback, Land Use Agent
200 School Street
Putnam, CT 06260

**RE: 285 River Road & 357 River Road – Proposed 11 Lot Resubdivision – Putnam, CT
P&R Job No. 203095**

Dear Mr. Fitzback:

Attached please find three copies of plans depicting alternate access proposals for the excavation of Phase 1. These alternate plans are being provided in response to discussion at the November 30, 2022 public hearing. A brief summary of each alternate is provided below.

Alternate Plan No. 1

Alternate Plan No. 1 depicts in red a temporary haul road from River Road through the proposed Phase 2 excavation area and contemplates an at grade crossing of Carpenter Brook utilizing timber swamp mats. This at grade crossing would be installed along the alignment of the existing woods road and at grade stream crossing. Upon consideration, this alternate design was rejected due to both the initial direct wetland impact and the possibility of additional impact caused by the on-going maintenance and eventual removal of the timber mat system.

Alternate Plan No. 2

Alternate Plans No. 2-1 and 2-2 depict in red a temporary haul road from River Road along the northerly boundary of Lot 7 adjacent to the McMorris property. This road alignment was chosen to optimize sightlines for truck traffic entering and exiting River Road. Upon consideration, this alternate design was rejected due to the potential for increased impact from truck traffic to both the McMorris property and any other traffic utilizing this section of River Road.

Alternate Plan No. 3

Alternate Plan No. 3 is the previously proposed temporary bridge crossing of Carpenter Brook as shown on the project plans revised 7/29/2022. This previously proposed temporary bridge has a clear span of 30' and accomplishes the crossing of Carpenter Brook with no direct wetland impacts. Upon consideration, this alternate design was ultimately rejected in favor of Alternate No. 4 described below because the applicant has the ability to modify the bridge to provide an increased span and therefore a greater buffer to the wetland resource.

Alternate Plan No. 4

Alternate Plan No. 4 is the current proposal to cross Carpenter Brook with a temporary bridge. This alternate was chosen as a modification of Alternate No. 3 because it provides an increased buffer to the wetland

resource with a 40' clear span. The amount of grading necessary for the bridge approaches is also reduced with this design.

If you have any questions or need additional information, please do not hesitate to contact us at your convenience.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. J. Held", with a stylized flourish at the end.

David J. Held, P.E., L.S.
Provost & Rovero, Inc.

LOT 1	Depth to restrictive layer = 31 in.
TP 1-3, 1-4, 1-5	Slope % = 11.8 %
Depth to restrictive layer = 27 in.	Number of Bedrooms = 3
Slope % = 2.8 %	Percolation rate = 6.6 min/in
Number of Bedrooms = 3	Max. depth into exist. grade = 11 in.
Percolation rate = 4.6 min/in	System Size = 495 s.f.
Max. depth into exist. grade = 0 in.	
System Size = 495 s.f.	
Hydraulic Factor = 42	Hydraulic Factor = 20
Flow Factor = 1.50	Flow Factor = 1.50
Perc Factor = 1.00	Perc Factor = 1.00
	20 x 1.50 x 1.00 = 30.0'
42 x 1.50 x 1.00 = 63.0'	
MLSS = 63.0'	MLSS = 30.0'

LOT 2
 TP 2-1, 2-2
 Depth to restrictive layer = 29 in.
 Slope % = 9.5 %
 Number of Bedrooms = 3
 Percolation rate = 2.8 min/in
 Max. depth into exist. grade = 1 in.
 System Size = 495 s.f.

 Hydraulic Factor = 26
 Flow Factor = 1.50
 Perc Factor = 1.00

 $26 \times 1.50 \times 1.00 = 39.0'$

 MLSS = 39.0'

LOT 3
 TP 3-1, 3-2
 Depth to restrictive layer = 26 in.
 Slope % = 2.5 %
 Number of Bedrooms = 3
 Percolation rate = 3.2 min/in
 Max. depth into exist. grade = 2 in.
 System Size = 495 s.f.
 Hydraulic Factor = 48
 Flow Factor = 1.50
 Perc Factor = 1.00
 $48 \times 1.50 \times 1.00 = 72.0'$
 MLSS = 72.0'

LOT 4
 TP 4-1, 4-3
 Depth to restrictive layer = 28 in.
 Slope % = 1.1 %
 Number of Bedrooms = 3
 Percolation rate = 4.6 min/in
 Max. depth into exist. grade = 2 in.
 System Size = 495 s.f.

 Hydraulic Factor = 49
 Flow Factor = 1.50
 Perc Factor = 1.00

 $49 \times 1.50 \times 1.00 = 73.5'$

 MLSS = 73.5'

LOT 5
 TP 5-1, 5-2
 Depth to restrictive layer = 30 in.
 Slope % = 1.1 %
 Number of Bedrooms = 3
 Percolation rate = 3.0 min/in
 Max. depth into exist. grade = 1 in.
 System Size = 495 s.f.

 Hydraulic Factor = 49
 Flow Factor = 1.50
 Perc Factor = 1.00

 $49 \times 1.50 \times 1.00 = 73.5'$

 MLSS = 73.5'

LOT 6
TP 7-1, 7-3
Depth to restrictive layer = 72 in.
Slope % = 2.4 %
Number of Bedrooms = 3
Percolation rate = 5.7 min/in
Max. depth into exist. grade = 24 in.
System Size = 495 s.f.

MLSS is not applicable

LOT 7
 TP 8-1, 8-2
 Slope to restrictive layer = 30 in.
 Slope % = 1.2 %
 Number of Bedrooms = 3
 Percolation rate = 2.8 min/in
 Max. depth into exist. grade = 6 in.
 System Size = 495 s.f.

 Hydraulic Factor = 49
 Flow Factor = 1.50
 Perc Factor = 1.00

 $49 \times 1.50 \times 1.00 = 73.5'$

 MLSS = 73.5'

LOT 8
 TP 9-3, 9-4
 Depth to restrictive layer = 31 in.
 Slope % = 11.8 %
 Number of Bedrooms = 3
 Percolation rate = 6.6 min/in
 Max. depth into exist. grade = 11 in.
 System Size = 495 s.f.

 Hydraulic Factor = 20
 Flow Factor = 1.50
 Perc Factor = 1.00

 $20 \times 1.50 \times 1.00 = 30.0'$

 MLSS = 30.0'

LOT 9
 TP 10-6, 10-7, 10-8
 Depth to restrictive layer = 28 in.
 Slope % = 5.7 %
 Number of Bedrooms = 3
 Percolation rate = 9.6 min/in
 Max. depth into exist. grade = 8 in.
 System Size = 495 s.f.
 Hydraulic Factor = 30
 Flow Factor = 1.50
 Perc Factor = 1.00
 30 x 1.50 x 1.00 = 45.0'
 MLSS = 45.0'

LOT 10
 TP 11-1, 11-2
 Depth to restrictive layer = 28 in.
 Slope % = 5.3 %
 Number of Bedrooms = 3
 Percolation rate = 8.0 min/in
 Max. depth into exist. grade = 5 in.
 System Size = 495 s.f.

 Hydraulic Factor = 30
 Flow Factor = 1.50
 Perc Factor = 1.00

 $30 \times 1.50 \times 1.00 = 45.0'$

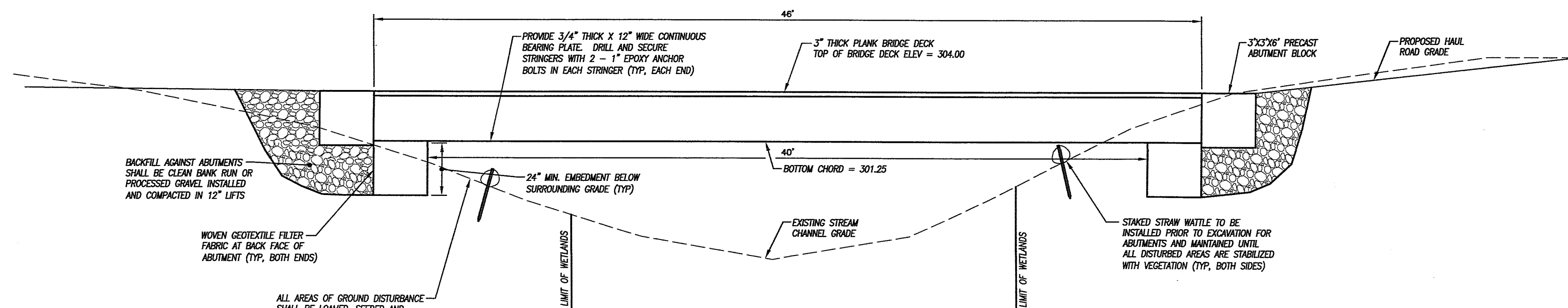
 MLSS = 45.0'

LOT 11
 TP 12-1, 12-2
 Depth to restrictive layer = 25 in.
 Slope % = 8.9 %
 Number of Bedrooms = 3
 Percolation rate = 8.0 min/in
 Max. depth into exist. grade = 6 in.
 System Size = 495 s.f.

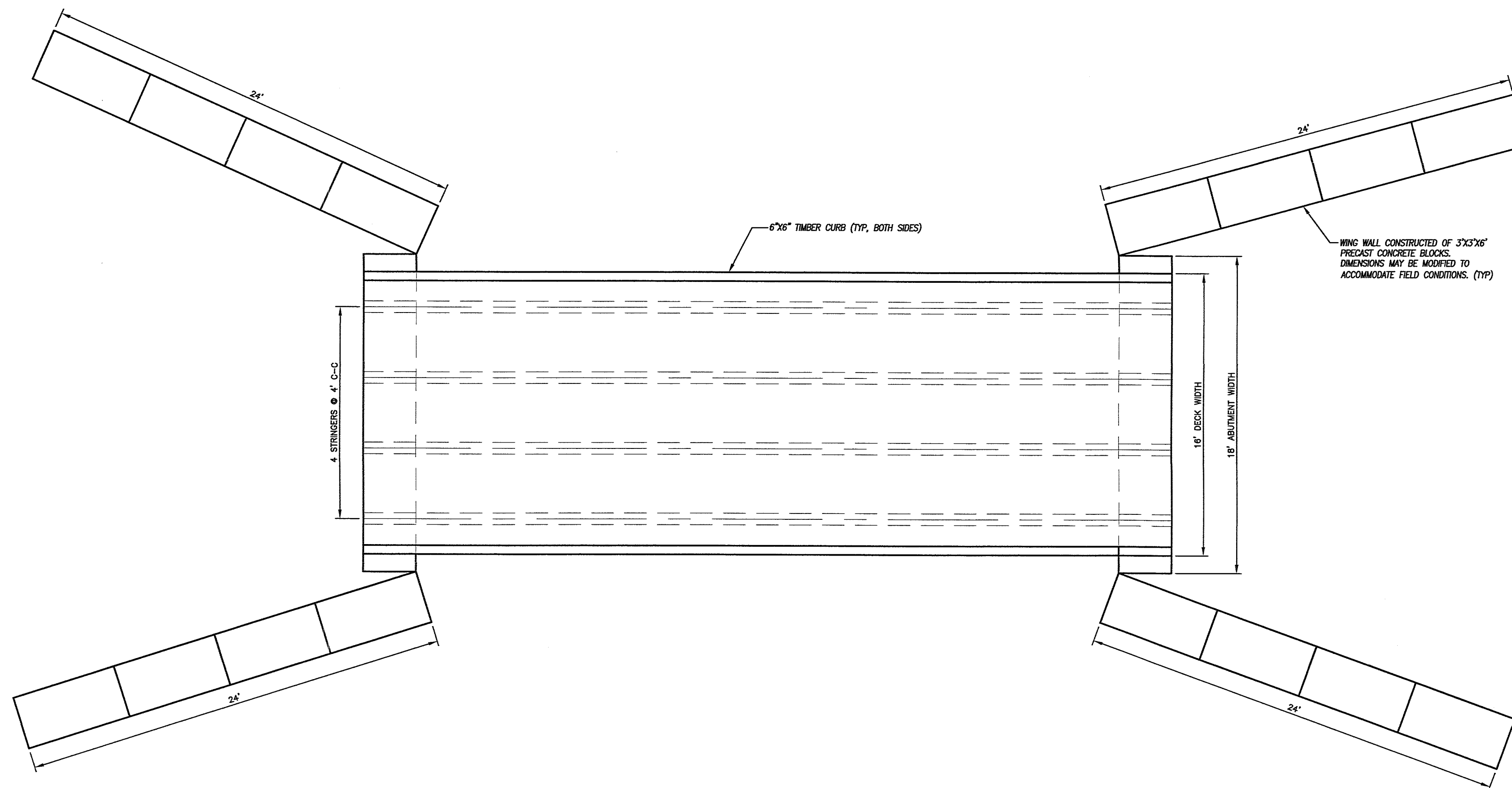
 Hydraulic Factor = 28
 Flow Factor = 1.50
 Perc Factor = 1.00

 $28 \times 1.50 \times 1.00 = 42.0'$

 MLSS = 42.0'



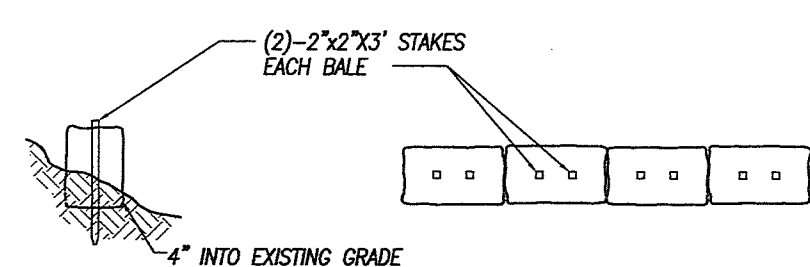
SCALE: 1" = 5'



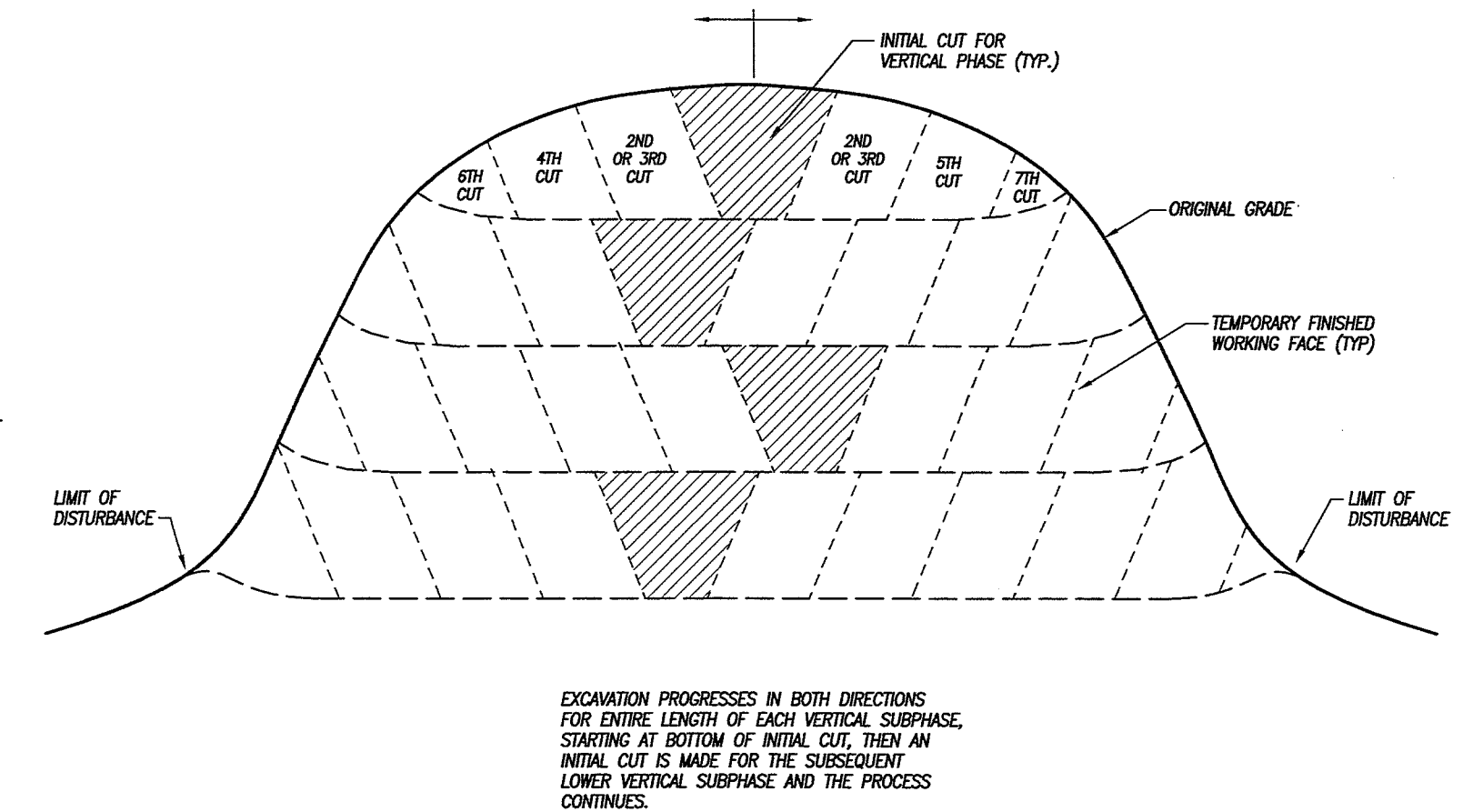
SCALE: 1" = 5'

1. The bridge shall be installed without operating equipment within wetlands or watercourses. Temporary access to the construction area shall be provided through Lots 6 and 7 if necessary to accomplish the bridge construction.
2. The bridge shall be installed during a period of low flow in Carpenter Brook.
3. All materials necessary for construction of the bridge abutments shall be staged on site to allow for expeditious completion of abutments.
4. Prior to starting bridge construction, the contractor shall verify that whether forecasts do not anticipate significant precipitation events for a one week period to allow for substantial completion of the bridge prior to a significant precipitation event.
5. Staked straw wattles shall be installed at the limits of disturbance prior to any ground disturbance. The Putnam Wetlands Agent shall be notified when wattles have been installed and shall be given 24 hours for inspection of the installation prior to any additional work on the bridge. Wattles shall be maintained until disturbed areas are stabilized with vegetation.
6. Immediately after installation of abutment blocks, all disturbed areas shall be stabilized with loam, seed, mulch and temporary erosion control blankets.

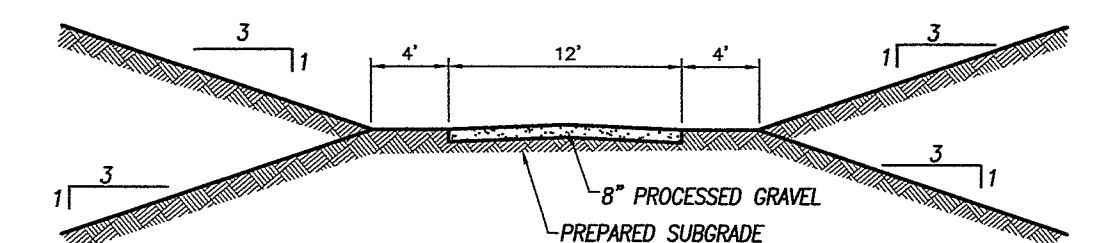
At the completion of restoration operations in the Phase 1 excavation area and cutting back from the Putnam Wetlands Agent shall be notified that no additional work is required, the bridge shall be removed. Removal work should be done during a period of low flow in Carpenter Brook. Removal work shall also be coordinated with returning seeding dates to allow for rapid establishment of permanent vegetation following seedling establishment.
8. Prior to the start of bridge removal work, staked straw wattles shall be installed at the limits of anticipated ground disturbance. Wattles shall be maintained until all disturbed areas are permanently stabilized with vegetation. The Putnam Wetlands Agent shall be notified when wattles have been installed and shall be given 24 hours for inspection of the installation prior to any additional removal work.
9. No equipment shall be operated within wetlands or watercourses for removal of the bridge.
10. After abutment blocks have been removed, the resulting voids shall be backfilled with compacted clean fill and all disturbed areas shall be stabilized with 6" of topsoil, seed and mulch. Seed Rate: 100 lbs/acre of Certified Seed mix requirements. Seeded areas shall be protected with temporary erosion control blankets.



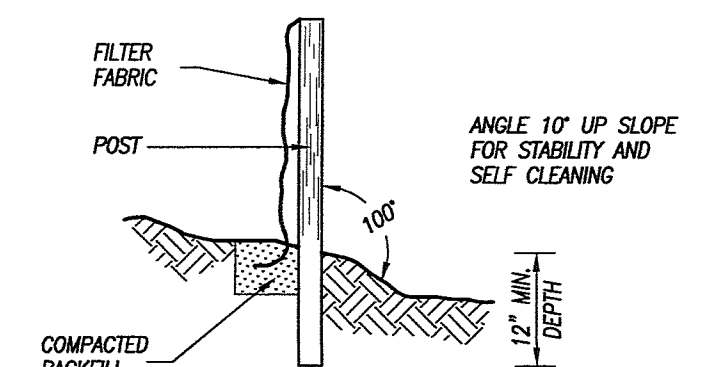
NOT TO SCALE



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

PREPARED FOR

285 RIVER ROAD, LLC &
PUTNAM RIVER ROAD, L.L.C.

RIVER ROAD & MODOCK ROAD
PUTNAM, CONNECTICUT

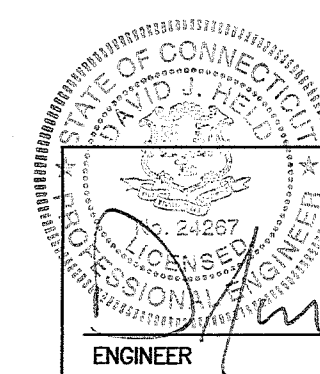
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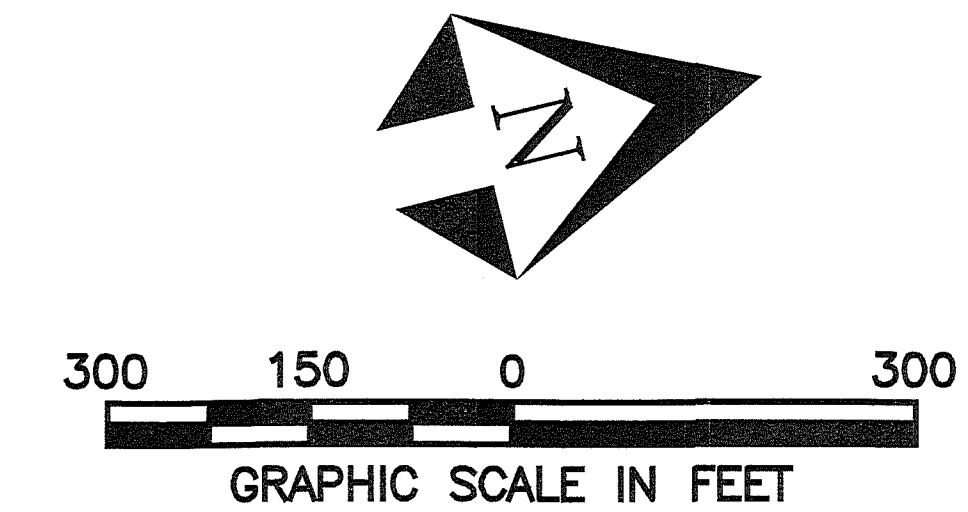
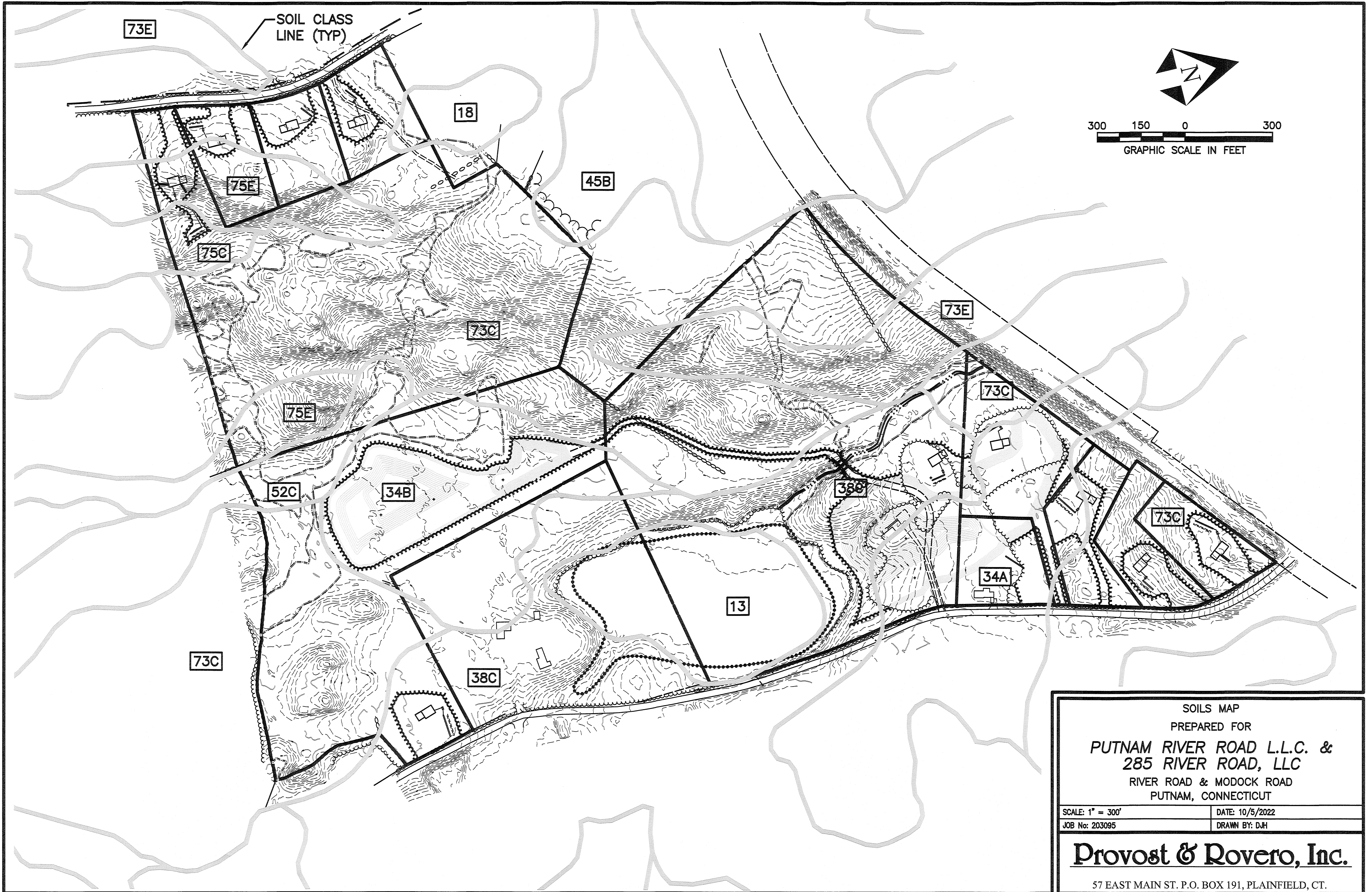
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REVISIONS	
DATE	DESCRIPTION
7/29/2022	MISC. REVISIONS
11/30/2022	CROSS SECTION A-A
12/15/2022	BRIDGE DETAILS

DATE: 6/29/2022	DRAWN: DJH
SCALE: AS SHOWN	DESIGN: DJH
SHEET: 17 OF 17	CHK BY: ----
DWG. No: Client File	JOB No: 203095



C:\Users\Dave\Desktop\JOBS\203095\Drawings\SOILS MAP.dwg Nov 30, 2022 - 12:06 PM

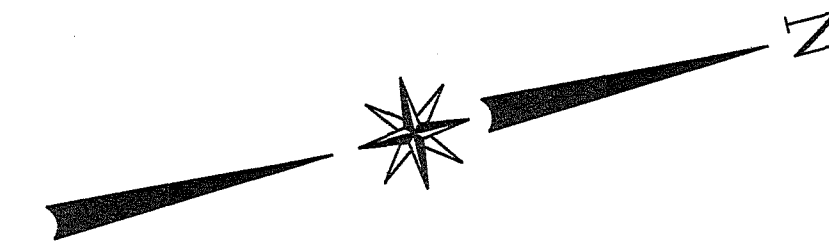


SOILS MAP
PREPARED FOR
**PUTNAM RIVER ROAD L.L.C. &
285 RIVER ROAD, LLC**
RIVER ROAD & MODOCK ROAD
PUTNAM, CONNECTICUT

SCALE: 1" = 300'	DATE: 10/5/2022
JOB No: 203095	DRAWN BY: DJH

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57 EAST MAIN ST. P.O. BOX 191, PLAINFIELD, CT.

1. Surficial material lines are taken from GIS data provided by the CT DEEP and are based on "Surficial Materials Map of Connecticut - 1992 - U.S. Geological Survey".

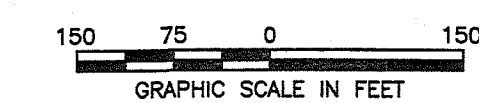


T
Till

SG
Sand and Gravel

—SURFICIAL MATERIAL
CLASS LINE (TYP)

SG/S/F
Sand and Gravel overlying Sand overlying Fines



REVISIONS	
DATE	DESCRIPTION

DATE: 10/5/2022	DRAWN: DJH
SCALE: 1" = 150'	DESIGN: ---
SHEET: 1 OF 1	CHK BY: ---
DWG. No: Client File	JOB No: 203095

SURFICIAL MATERIALS MAP

PREPARED FOR

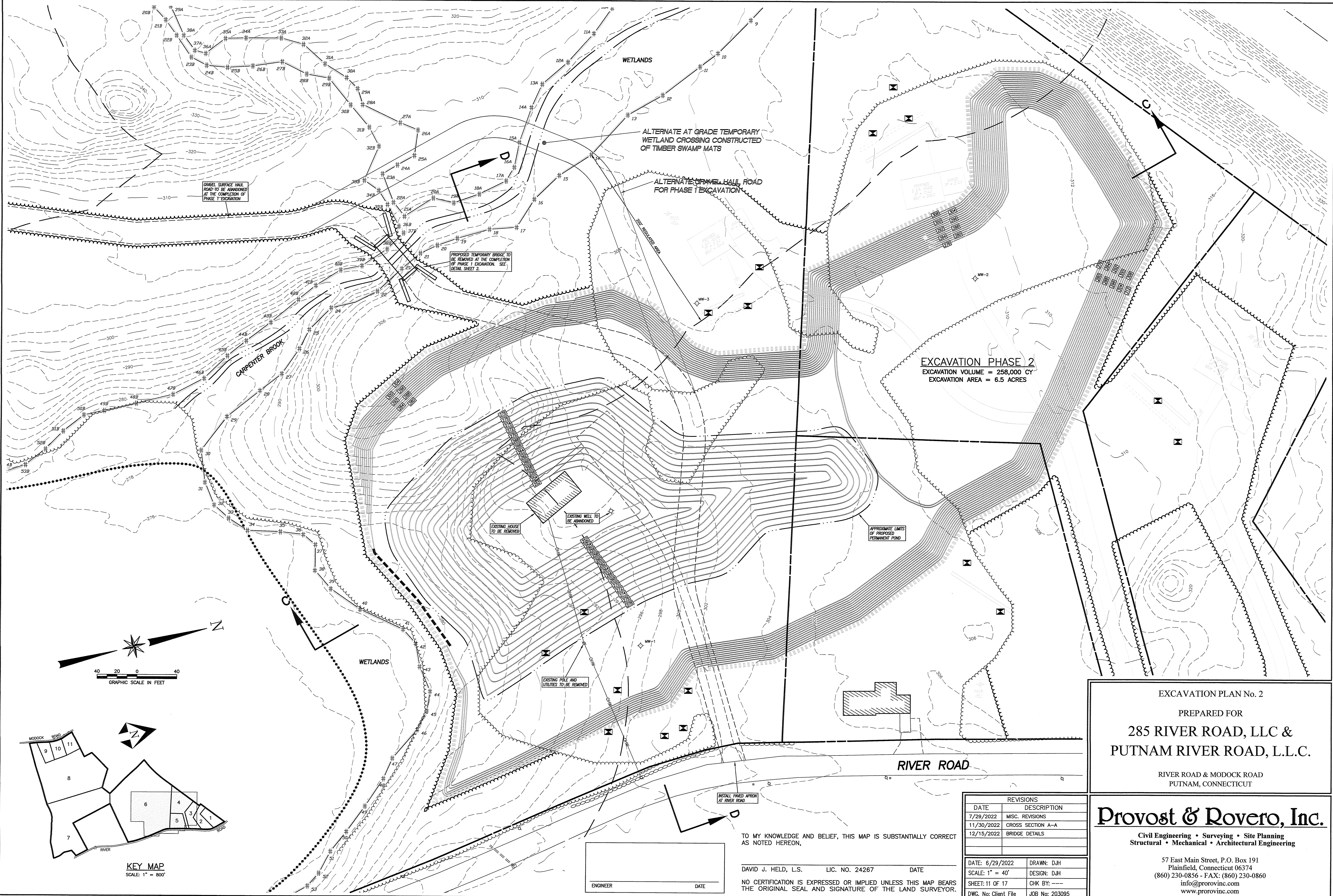
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PUTNAM RIVER ROAD, L.L.C.

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EXCAVATION PLAN No. 2

PREPARED FOR

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PUTNAM RIVER ROAD, L.L.C.

RIVER ROAD & MODOCK ROAD
PUTNAM, CONNECTICUT

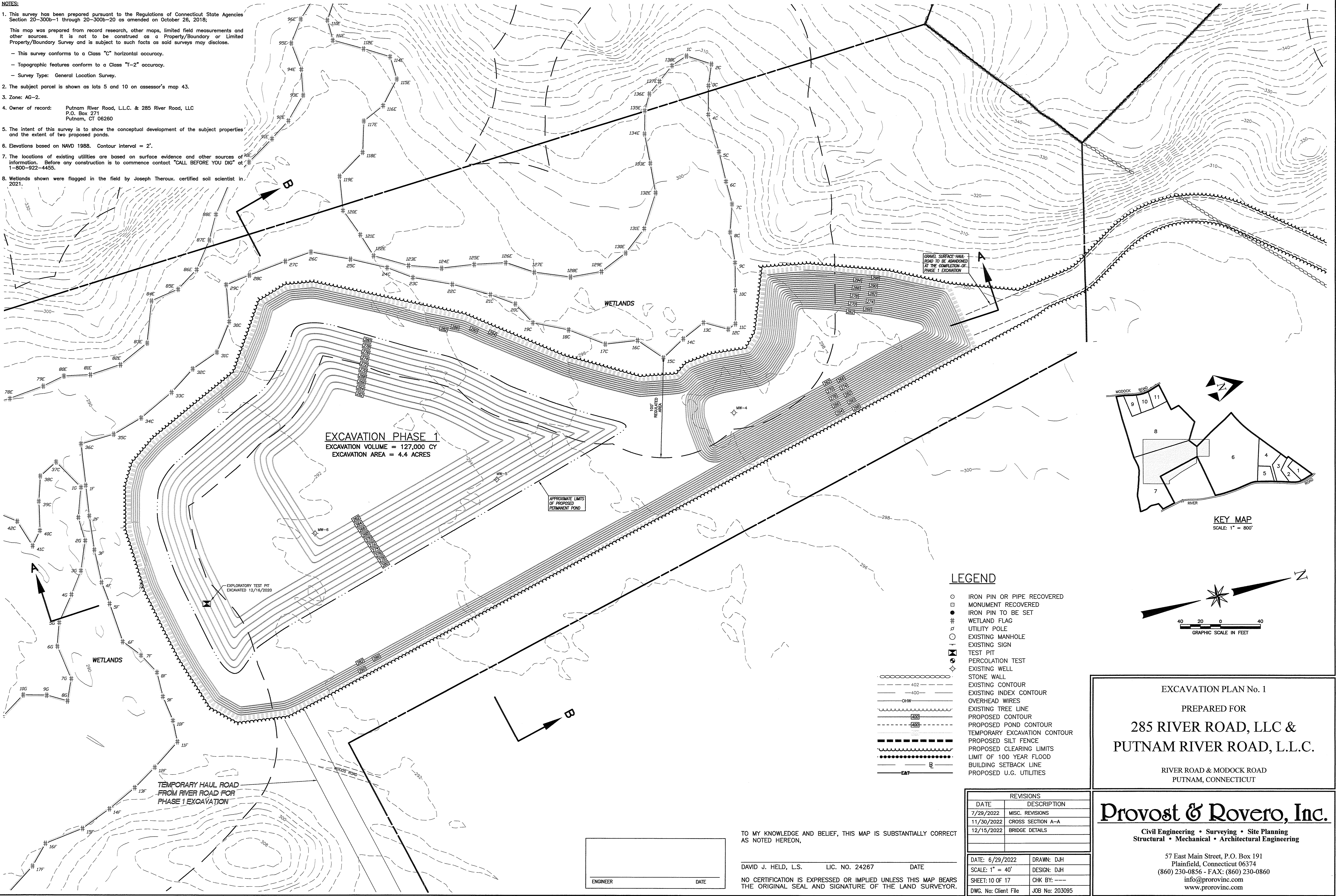
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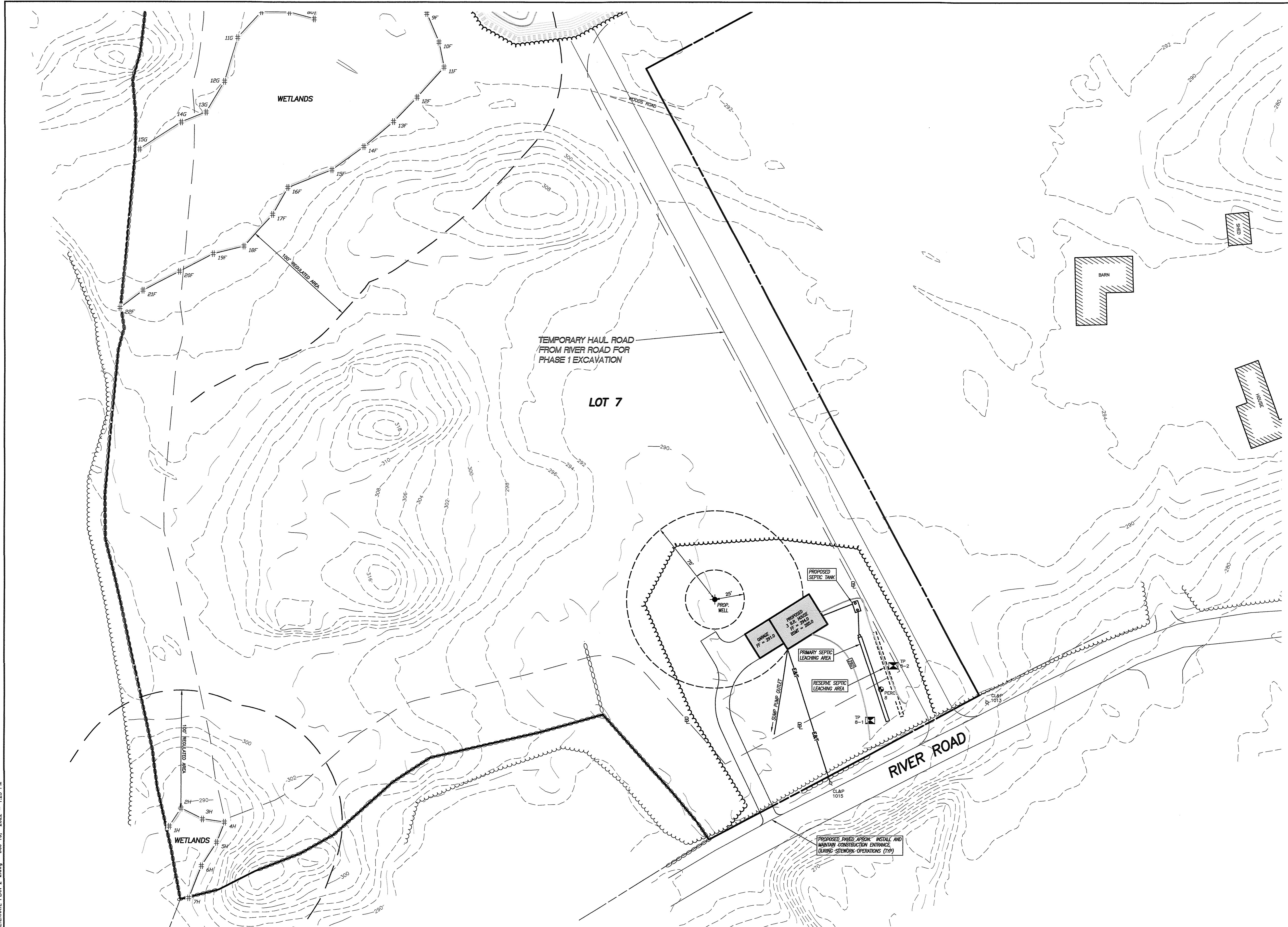
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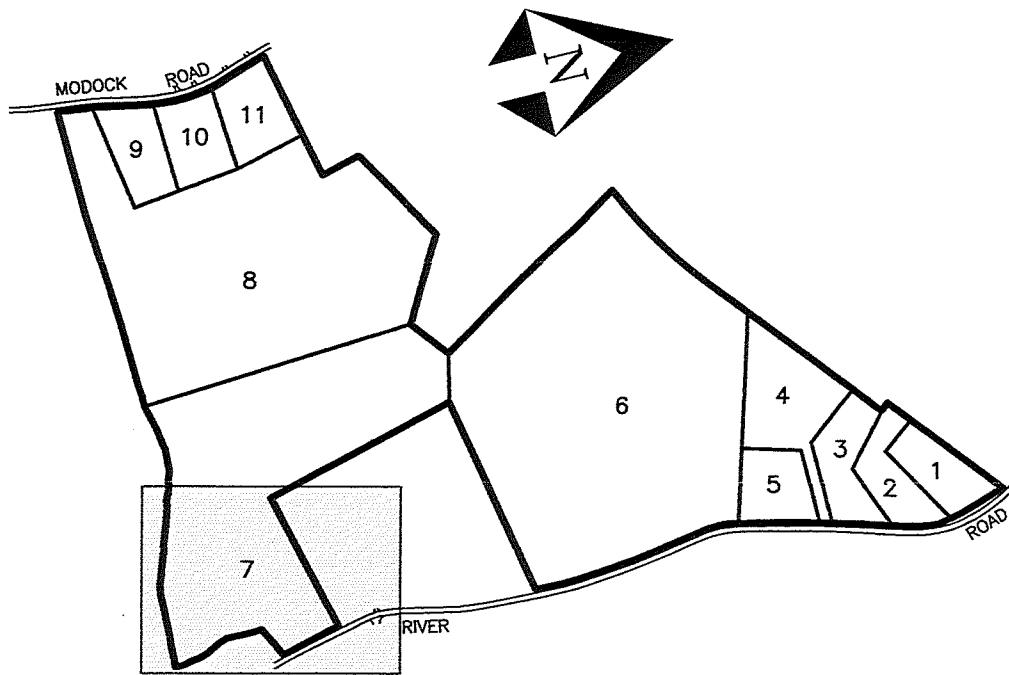
NOTES:

- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-1 through 20-300b-20 as amended on October 26, 2018;
This map was prepared from record research, other maps, limited field measurements and other sources. It is not to be construed as a Property/Boundary or Limited Property/Boundary Survey and is subject to such facts as said surveys may disclose.
- This survey conforms to a Class "C" horizontal accuracy.
- Topographic features conform to a Class "T-2" accuracy.
- Survey Type: General Location Survey.
- The subject parcel is shown as lots 5 and 10 on assessor's map 43.
- Zone: AG-2.
- Owner of record: Putnam River Road, L.L.C. & 285 River Road, LLC
P.O. Box 271
Putnam, CT 06260
- The intent of this survey is to show the conceptual development of the subject properties and the extent of two proposed ponds.
- Elevations based on NAVD 1988. Contour interval = 2'.
- The locations of existing utilities are based on surface evidence and other sources of information. Before any construction is to commence contact "CALL BEFORE YOU DIG" at 1-800-922-4455.
- Wetlands shown were flagged in the field by Joseph Theroux, certified soil scientist in 2021.

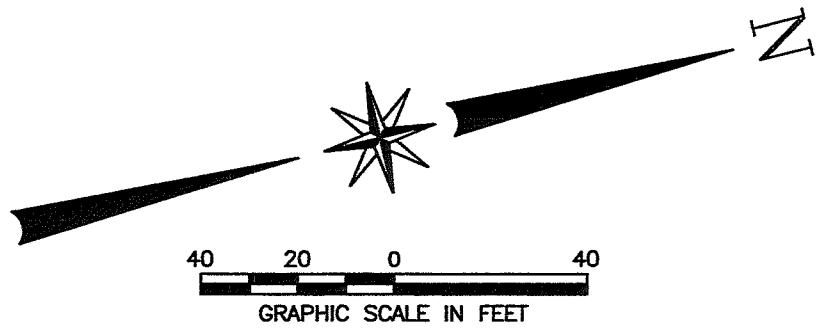




- NOTES:
- This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Section 20-300b-1 through 20-300b-20 as amended on October 26, 2018;
This map was prepared from record research, other maps, limited field measurements and other sources. It is not to be construed as a Property/Boundary or Limited Property/Boundary Survey and is subject to such facts as said surveys may disclose.
- This survey conforms to a Class "C" horizontal accuracy.
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- Survey Type: General Location Survey.
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 - Wetlands shown were flagged in the field by Joseph Theroux, certified soil scientist in 2021.



KEY MAP
SCALE: 1" = 800'



LEGEND

- IRON PIN OR PIPE RECOVERED
- ◻ MONUMENT RECOVERED
- IRON PIN TO BE SET
- # WETLAND FLAG
- U UTILITY POLE
- EXISTING MANHOLE
- EXISTING SIGN
- ⊗ TEST PIT
- ⊙ PERCOLATION TEST
- ⊕ EXISTING WELL
- STONE WALL
- EXISTING CONTOUR
- EXISTING INDEX CONTOUR
- OHW— OVERHEAD WIRES
- EXISTING TREE LINE
- PROPOSED CONTOUR
- PROPOSED POND CONTOUR
- TEMPORARY EXCAVATION CONTOUR
- PROPOSED SILT FENCE
- PROPOSED CLEARING LIMITS
- LIMIT OF 100 YEAR FLOOD
- BUILDING SETBACK LINE
- PROPOSED U.G. UTILITIES

SITE PLAN No. 5

PREPARED FOR

285 RIVER ROAD, LLC &
PUTNAM RIVER ROAD, L.L.C.

RIVER ROAD & MODOCK ROAD
PUTNAM, CONNECTICUT

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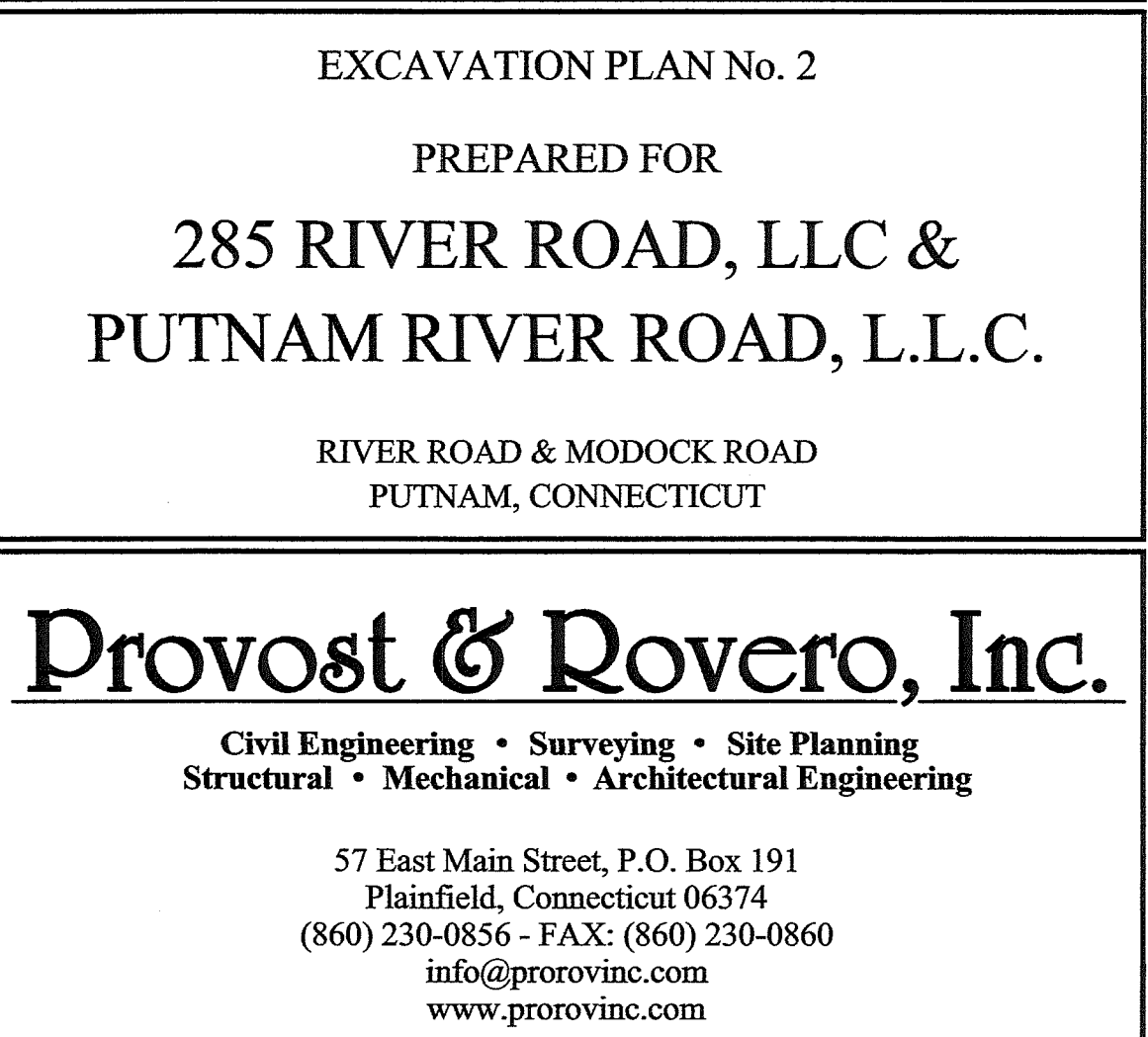
REVISIONS	
DATE	DESCRIPTION
7/29/2022	MISC. REVISIONS
11/30/2022	CROSS SECTION A-A
12/15/2022	BRIDGE DETAILS
DATE: 6/29/2022	DRAWN: DJH
SCALE: 1" = 40'	DESIGN: DJH
SHEET: 8 OF 17	CHK BY: ---
DWG. No: Client File	JOB No: 203095

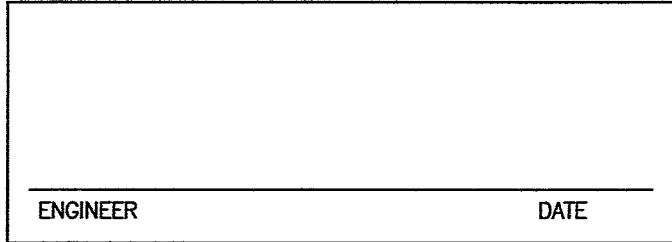
TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT
AS NOTED HEREON,

DAVID J. HELD, L.S. LIC. NO. 24267 DATE

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS
THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

ENGINEER	DATE
----------	------





NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS
THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

REVISIONS	
DATE	DESCRIPTION
7/29/2022	MISC. REVISIONS
11/30/2022	CROSS SECTION A-A
12/15/2022	BRIDGE DETAILS

DATE: 6/29/2022	DRAWN: DJH
SCALE: 1" = 40'	DESIGN: DJH
SHEET: 11 OF 17	CHK BY: ---
DWG. No: Client File	JOB No: 203095

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