

19 Tall Pines Drive
Stormwater Design comparisons

Table 1. Existing vs Approved vs Proposed Peak Flows

Return Period (years)	Existing Peak Flow Rate (cfs)	Approved * Peak Flow Rate (cfs)	Proposed ** Peak Flow Rate (cfs)	Change Pr – Ap (cfs)	Percent Change (%)
1	0.83	0.71	0.65	-0.06	-8.5%
2	1.48	1.35	1.19	-0.16	-11.9%
5	2.73	2.60	2.68	0.08	3.1%
10	3.88	3.87	3.81	-0.06	-1.6%
25	5.59	5.52	5.45	-0.07	-1.3%
50	6.90	6.78	6.69	-0.09	-1.3%
100	8.36	8.18	8.02	-0.16	-2.0%

*Approved rates per Drainage Report dated 11/09/2022

**Proposed rates per Drainage report revised 2/17/2023

Approved Infiltration Design:

- Nine Cultec R-330 + Four Cultec R-180 (two system)
- Total storage volume = 1,063 CF

Proposed Infiltration Design:

- Twelve Cultec R330 (one system)
- Total storage volume = 1,115 CF

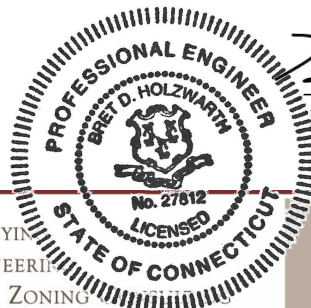
Approved total pipe length = 307'

Proposed total pipe length = 177'

Approved points of discharge: two (one of which is close to the property line)

Proposed point of discharge: one (central to the site)

Based on the above, and with proper implementation of the design drawings, construction of this proposed development will not result in adverse hydraulic or hydrologic impacts on adjacent or downstream properties or drainage facilities.



Bret Holzwarth

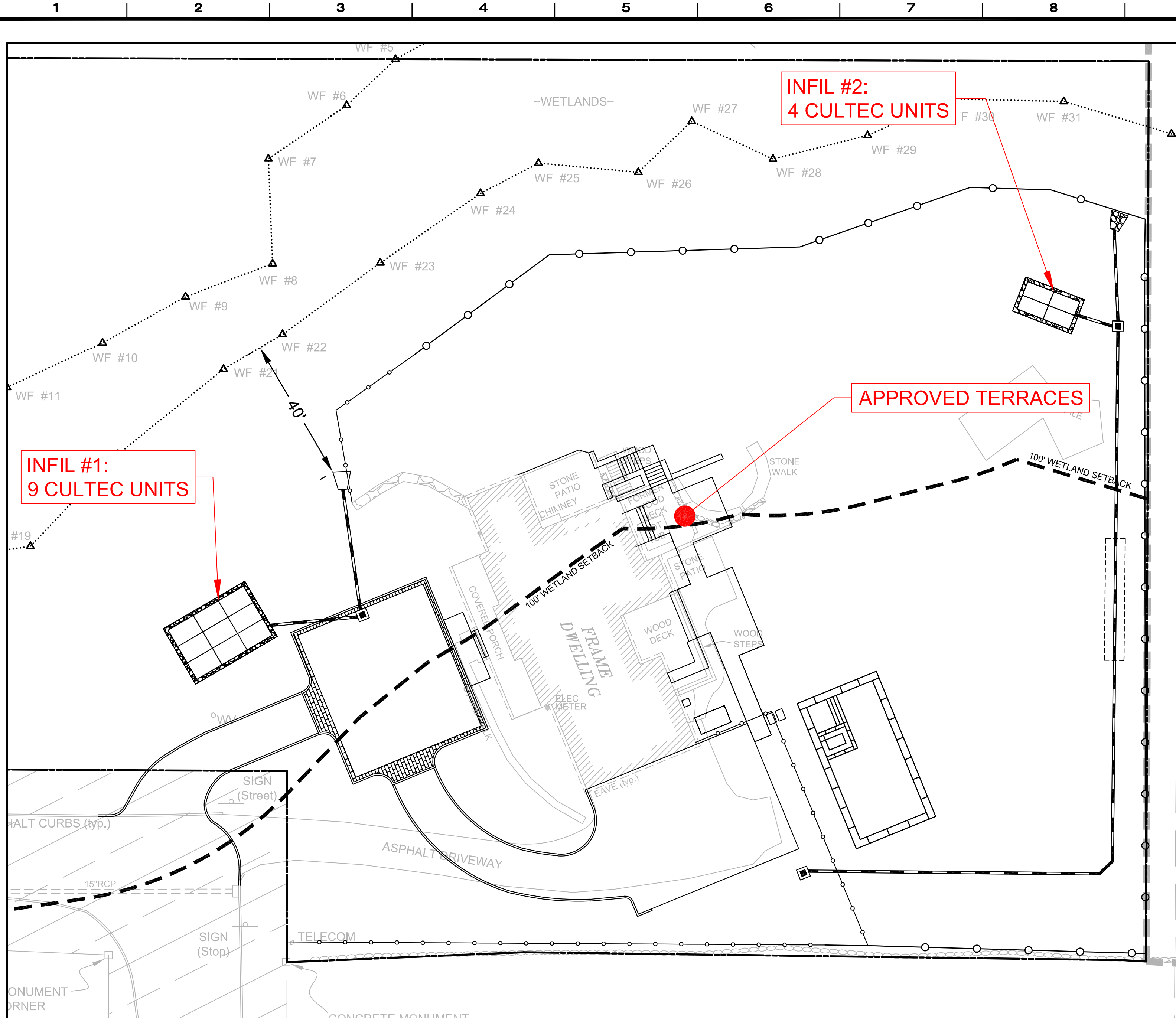
Bret Holzwarth, P.E.



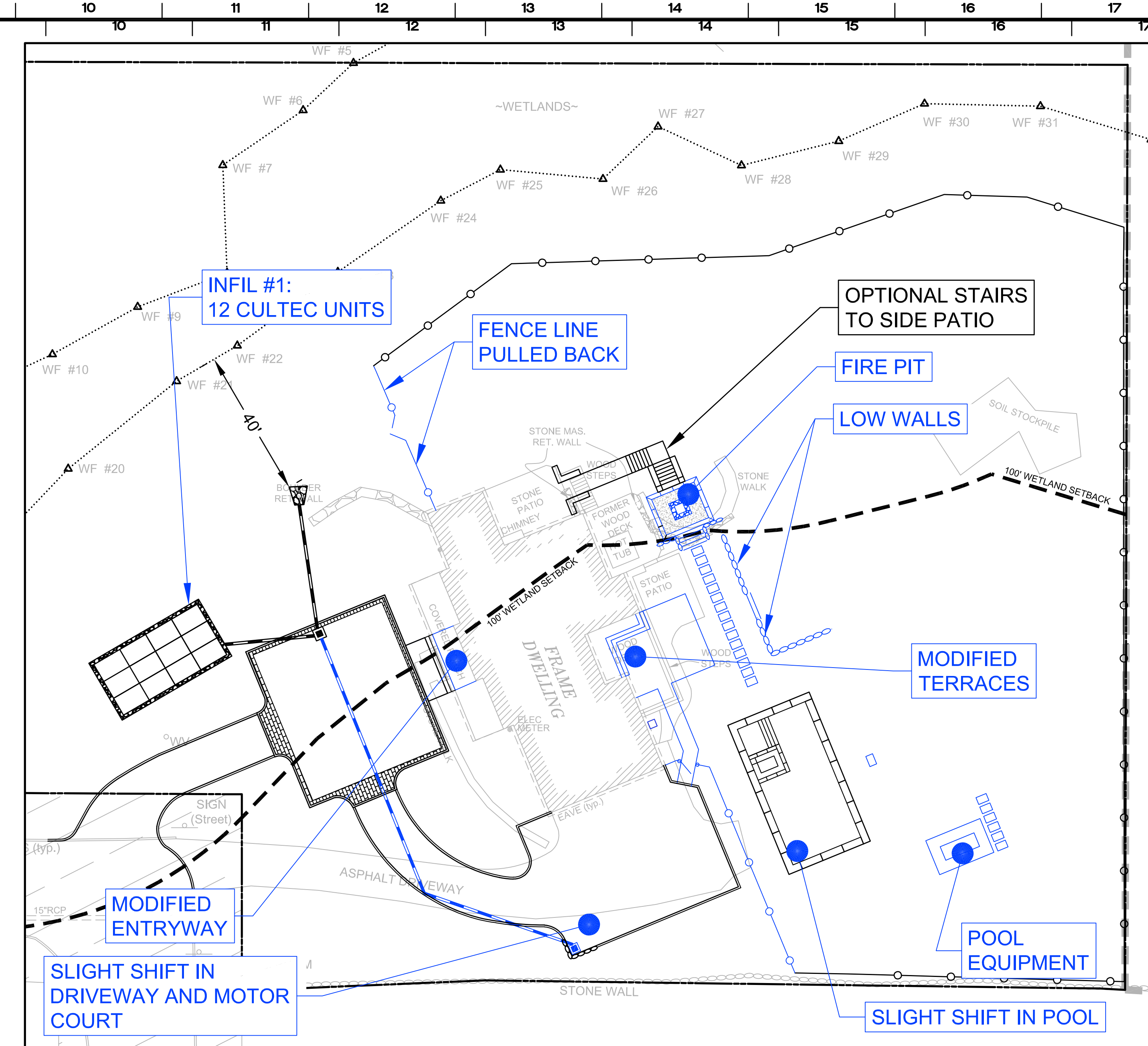
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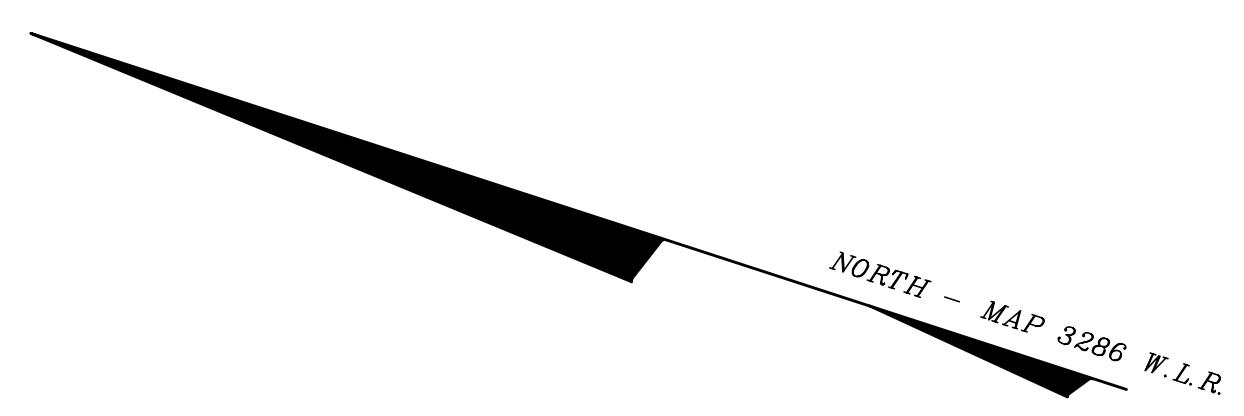




**APPROVED PLAN
DATED 01/04/2023**



**PROPOSED MODIFICATIONS
DATED 02/17/2023**



No.	Date	Revision
1	08/10/2023	CONSERVATION COMMISSION HEARING

**COMPARISON EXHIBIT
DEPICTING
19 TALL PINE DR
WESTON, CT
PREPARED FOR
JONATHAN SCHANZER**

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SCALE: 0 20 40
1"=20'

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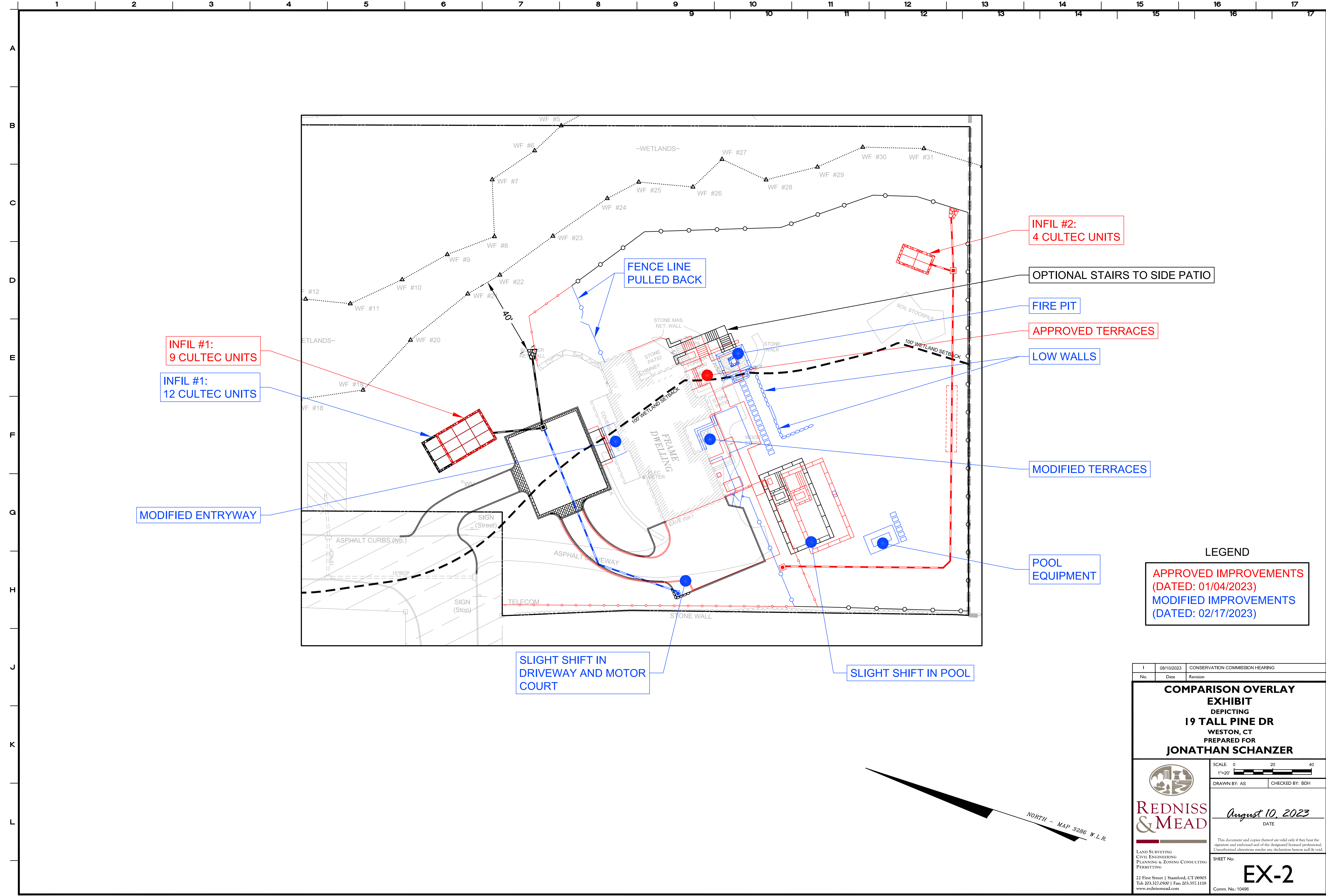
August 10, 2023
DATE

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SHEET No:
EX-1

Comm. No.: 10496

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INFIL #1:
9 CULTEC UNITS

INFIL #1:
12 CULTEC UNITS

MODIFIED ENTRYWAY

FENCE LINE
PULLED BACK

SLIGHT SHIFT IN
DRIVEWAY AND MOTOR
COURT

SLIGHT SHIFT IN POOL

INFIL #2:
4 CULTEC UNITS

OPTIONAL STAIRS TO SIDE PATIO

FIRE PIT

APPROVED TERRACES

LOW WALLS

MODIFIED TERRACES

POOL
EQUIPMENT

LEGEND

- APPROVED IMPROVEMENTS
(DATED: 01/04/2023)
- MODIFIED IMPROVEMENTS
(DATED: 02/17/2023)

No.	Date	Revision
1	08/10/2023	CONSERVATION COMMISSION HEARING

**COMPARISON OVERLAY
EXHIBIT**
DEPICTING
19 TALL PINE DR
WESTON, CT
PREPARED FOR
JONATHAN SCHANZER

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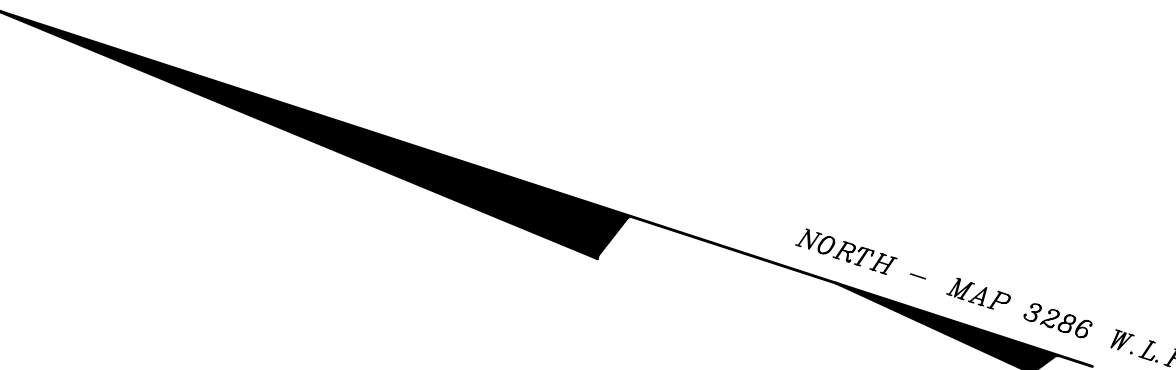
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