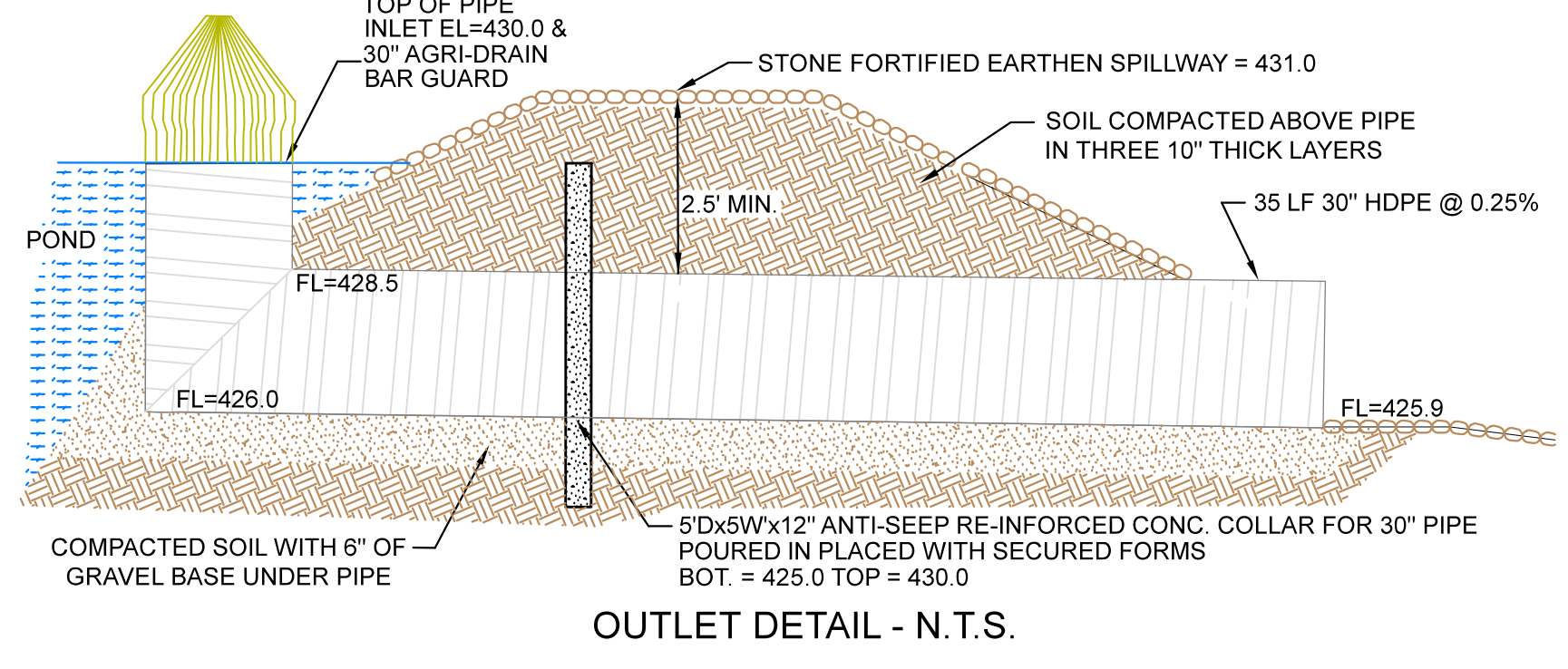
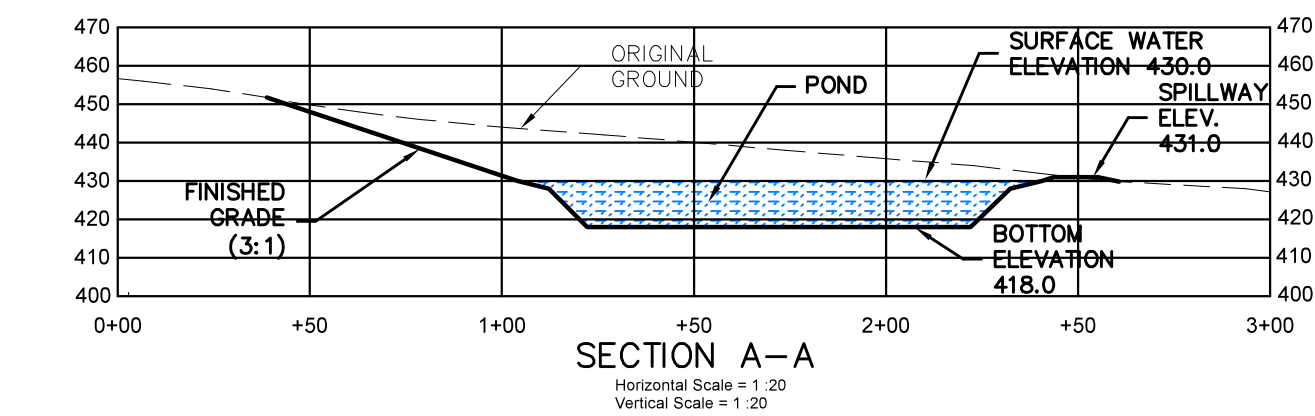


LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING ELEVATION
- EXISTING IRON PIN
- WETLAND FLAG
- GROUNDEWATER MONITORING STAND PIPE
- SILT FENCE
- STAKED HAY BALES
- PLANTED PINE

PROPOSED INSTALLATION OF A 30 INCH DIAMETER PIPE OUTLET IN THE EXISTING APPLE ORCHARD IRRIGATION POND AT 150 CHATHAM HILL ROAD IN GLASTONBURY, CT.

THE PROPOSED PROJECT IS FOR THE INSTALLATION OF A 30-INCH DIAMETER DRAINAGE PIPE UNDER THE RIPRAP SPILLWAY ON THE EXISTING APPLE ORCHARD IRRIGATION POND. THE PURPOSE OF THE OUTLET PIPE IS SET THE WATER LEVEL IN THE POND WITHOUT DEPENDING ON THE SPILLWAY TO BE CONTROL THE WATER LEVEL. THE INLET OF THE DRAINAGE PIPE WILL BE SET AT ELEVATION 430.0 FT, WHICH WILL BE ONE (1) FOOT BELOW THE SPILLWAY, CREATING ONE FOOT OF FREEBOARD BEFORE WATER WOULD FLOW OVER THE SPILLWAY. THE ONE FOOT FREEBOARD WILL ACCOMMODATE LARGER STORM FLOWS BEFORE WATER FLOWS OVER THE SPILLWAY. OTHER ACTIVITIES PROPOSED FOR THIS PROJECT TO ENSURE THAT THE POND WATER DOES NOT COMPROMISE THE INTEGRITY OF THE POND BERM, INCLUDE INSTALLATION OF A CONCRETE RE-ENFORCED ANTI-SEEP COLLAR AROUND THE PIPE, AND SOIL COMPACTION IN 10-INCH-THICK LIFTS DURING BACKFILLING OF THE PIPE TRENCH. THE WATER ELEVATION WITHIN THE POND WILL BE LOWERED TO ELEVATION 424.0 FEET BY PLACING A PUMP IN THE NORTHEAST CORNER OF THE POND AND PUMPING THE WATER BACK INTO THE EXISTING CHANNEL IN FRONT OF THE SPILLWAY. LOWERING THE WATER ELEVATION BELOW ALL THE EXCAVATION WILL ALLOW THE WORK TO BE CONDUCTED IN THE DRY AND WILL MINIMIZE THE POTENTIAL FOR SEDIMENTATION. THE INLET OF THE PIPE WILL HAVE A METAL BAR GUARD COVER. ALL THE DETAILS OF THE PROPOSED ARE SHOWN ON THE SITE PLAN.



**IRRIGATION POND
150 CHATHAM HILL ROAD
PREPARED FOR
JAMES D. JUSKO
GLASTONBURY, CONN.**

*REV. 4-13-2023 ENGINEERED OUTLET TREATMENT
*REV. 1-28-2023 ENGINEERED OUTLET TREATMENT
*REV. 8-2-2021 PROPOSED CONS. EASE. SHOWN
*REV. 6-29-2021

CLARK LAND SURVEYING, LLC
126 TUNXIS ROAD
BRISTOL, CONN. 06010
(860)-967-8590
TODD@CLARKLS.BIZ

DATE: 5-29-2021 SCALE: 1" = 50' MAP NO. 2020-12-P

CERTIFIED SUBSTANTIALLY CORRECT:
[Signature]
GERALD E. HARDISTY, PE #15974
C.E.S. ENGINEERING
PH: 860-234-6768 EMAIL: GEHARDISTY@YAHOO.COM
NOT VALID WITHOUT EMBOSSED SEAL

WETLANDS FLAGGED BY R. RICHARD SNARSKI, MARCH 26, 2020
REFERENCE IS MADE TO A MAP TITLED:
"LOT LINE REVISION PLAN 532 MATSON HILL ROAD & PARCEL W-17
MATSON HILL ROAD PREPARED FOR JAMES D. JUSKO GLASTONBURY,
CONN. REV. 6-10-2020" BY CLARK LAND SURVEYING, LLC

TYPE OF SURVEY: ZONING LOCATION
BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY
CLASS OF ACCURACY: A-2

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS SURVEY WAS PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC., ON SEPTEMBER 26, 1996.

[Signature]
WILLIAM T. CLARK L.S. #70080
NOT VALID WITHOUT EMBOSSED SEAL

TOTAL WETLANDS FLAGGED ON PARCEL: 54,332 S.F. (INCLUDING EXISTING 10,066 S.F. POND/ASSOCIATED WETLANDS)
TOTAL WETLANDS DISTURBED (EXCLUDING FARM POND): 5,020 S.F.

*POND CREATION AND SWALE PROGRESSING AS DESIGNED, TOPOGRAPHY HAS NOT BEEN UPDATED REVISION IS FOR OUTLET TREATMENT ONLY.