



190 / 98  
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 SUZANNE L.S. TAYLOR  
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 2882 / 130

190 / 104  
 DONNDA COTTAGE TRUST  
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 305 PATTERSON STREET, APT. 204  
 HILLSDALE, NJ 07642  
 3167 / 874

190 / 108  
 TOWN OF WOLFEBORO  
 P.O. Box 629  
 WOLFEBORO, NH 03894  
 223 / 210

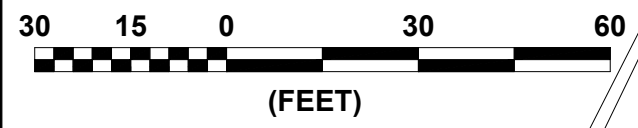
204 / 19  
 COTTON VALLEY RAIL TRAIL  
 NH DEPT. OF NATURAL &  
 CULTURAL RESOURCES  
 172 PEMBROKE RD  
 CONCORD, NH 03301

190 / 108  
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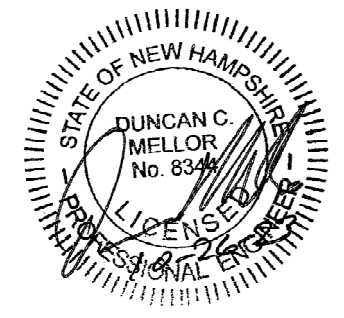
190 / 115  
 JOEL P. NELSON  
 JOYCE S. NELSON  
 37 BLACKBERRY LANE  
 WOLFEBORO, NH 03894  
 3171 / 268

DOCK CRESCENT LAKE

IMAGE: GOOGLE EARTH PRO



REFERENCE NOTES:  
 1.) RETRACEMENT SURVEY OF LAND FOR TOWN OF WOLFEBORO,  
 SILVER STREET WOLFEBORO CARROLL COUNTY NEW HAMPSHIRE.  
 SCALE: 1" = 20'; DATED JANUARY 12, 1999; BY LINDON DESIGN  
 ASSOCIATES. RECORDED C.C.R.D. PLAN 171-10



PROJECT NO. : 20015G  
 DATE: 10-23-23 APPROVED BY:  
 SCALE: SHOWN  
 DRAWN BY: DCM FILE:  
 DESIGN BY: DCM

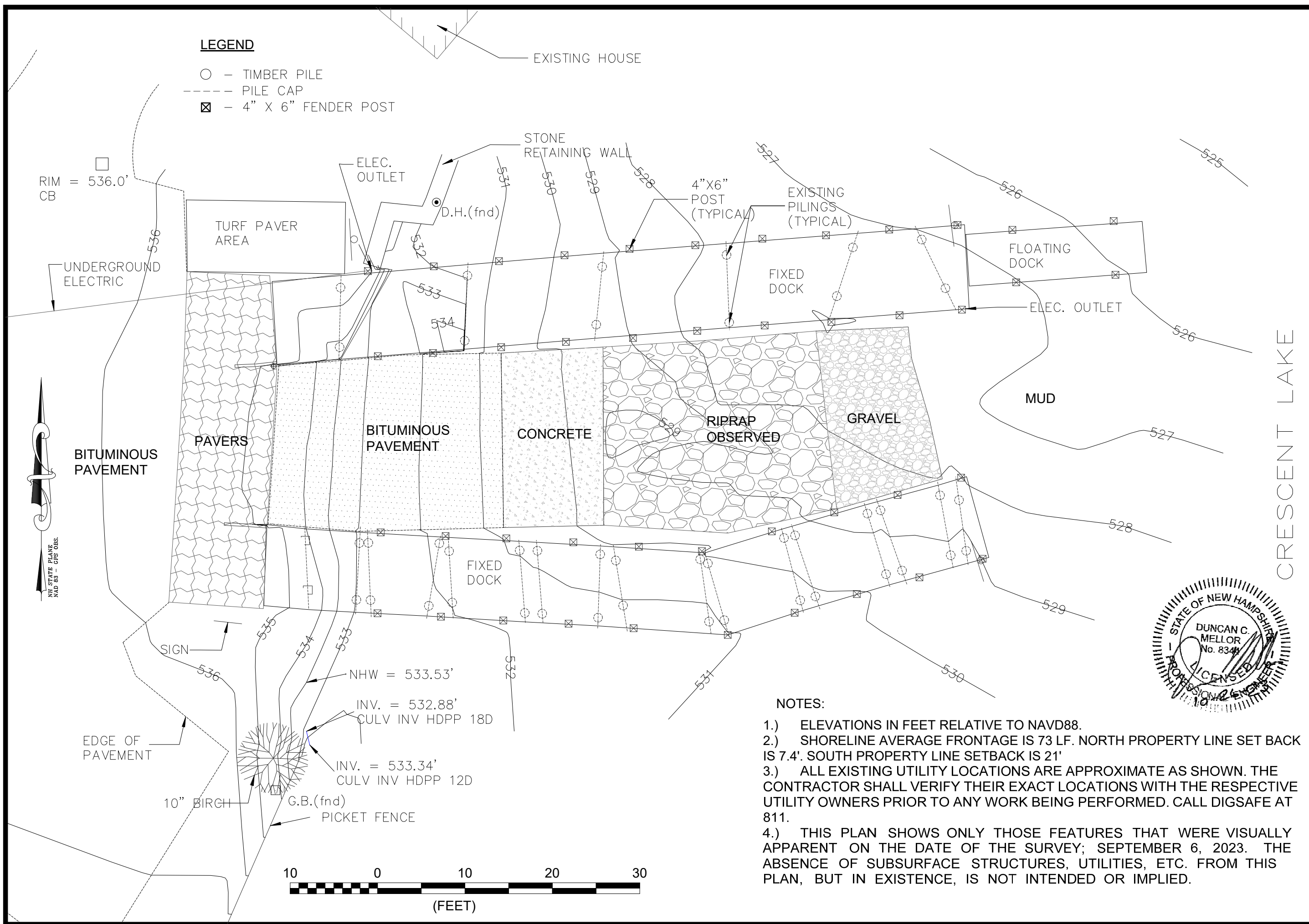
TOWN OF WOLFEBORO  
 84 SOUTH MAIN ST.  
 WOLFEBORO, NH

MAST LANDING BOAT  
 LAUNCH REPAIRS  
 CRESCENT LAKE  
 CARROLL COUNTY

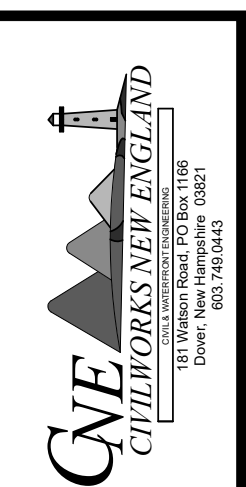
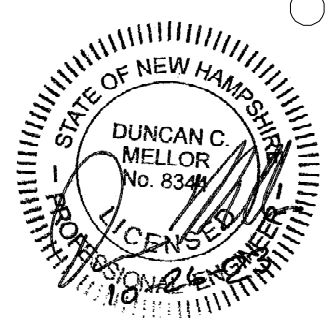


**LEGEND**

- - TIMBER PILE
- PILE CAP
- ⊠ - 4" X 6" FENDER POST



- NOTES:**
- 1.) ELEVATIONS IN FEET RELATIVE TO NAVD88.
  - 2.) SHORELINE AVERAGE FRONTAGE IS 73 LF. NORTH PROPERTY LINE SET BACK IS 7.4'. SOUTH PROPERTY LINE SETBACK IS 21'
  - 3.) ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AS SHOWN. THE CONTRACTOR SHALL VERIFY THEIR EXACT LOCATIONS WITH THE RESPECTIVE UTILITY OWNERS PRIOR TO ANY WORK BEING PERFORMED. CALL DIGSAFE AT 811.
  - 4.) THIS PLAN SHOWS ONLY THOSE FEATURES THAT WERE VISUALLY APPARENT ON THE DATE OF THE SURVEY; SEPTEMBER 6, 2023. THE ABSENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. FROM THIS PLAN, BUT IN EXISTENCE, IS NOT INTENDED OR IMPLIED.

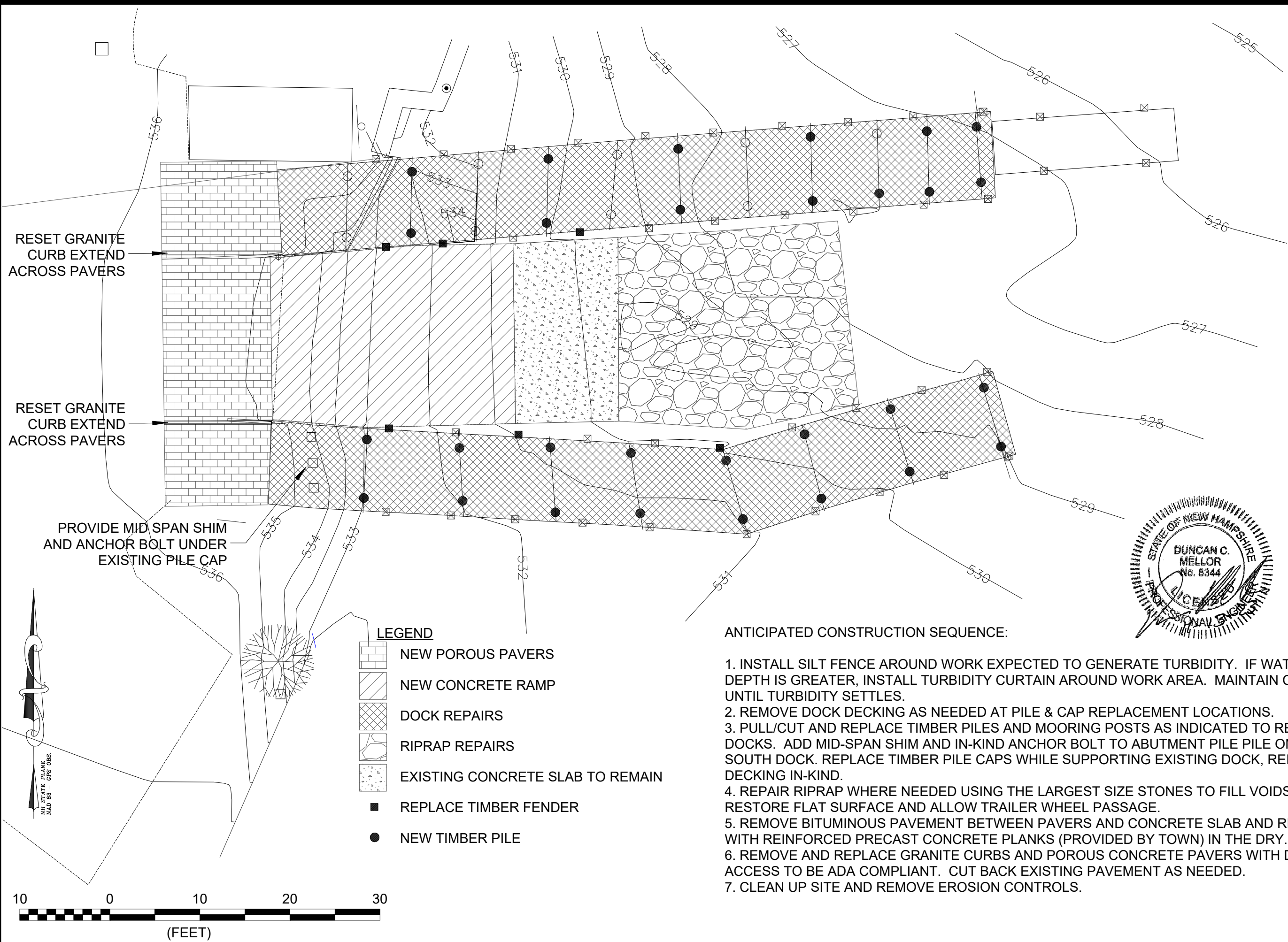


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DESIGN BY: DCM	

**TOWN OF WOLFBORO**  
84 SOUTH MAIN ST.  
WOLFEBORO, NH

**EXISTING CONDITIONS PLAN**

MAST LANDING BOAT  
LAUNCH REPAIRS  
CRESCENT LAKE  
CARROL COUNTY



CRESCENT LAKE



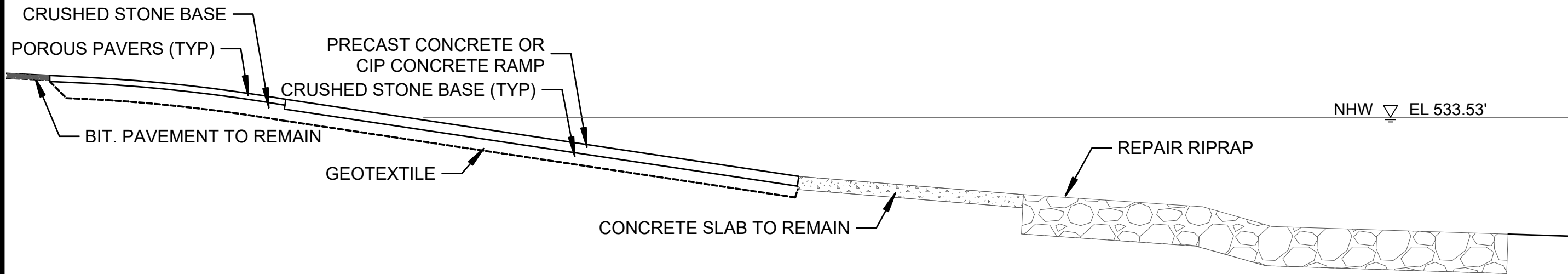
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TOWN OF WOLFBORO  
 84 SOUTH MAIN ST.  
 WOLFEBORO, NH

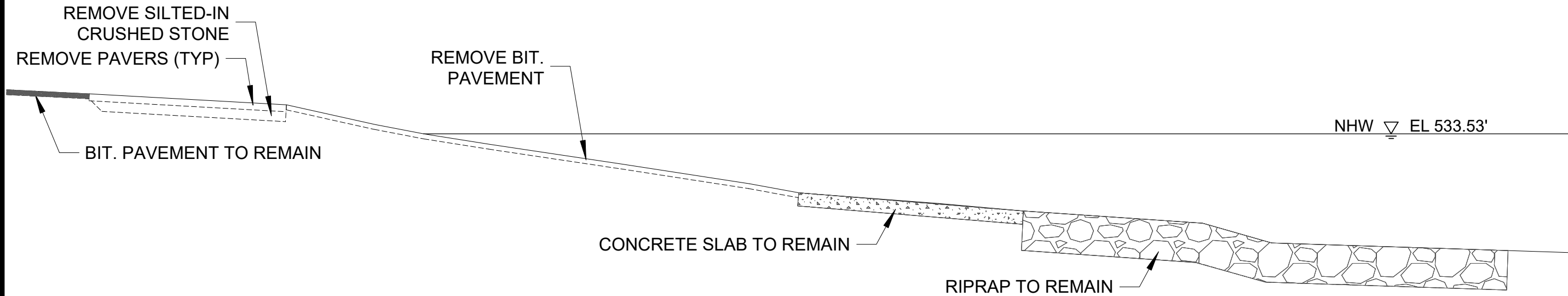
BOAT LAUNCH REPAIR PLAN

MAST LANDING BOAT  
 LAUNCH REPAIRS  
 CRESCENT LAKE  
 CARROL COUNTY

- ANTICIPATED CONSTRUCTION SEQUENCE:**
1. INSTALL SILT FENCE AROUND WORK EXPECTED TO GENERATE TURBIDITY. IF WATER DEPTH IS GREATER, INSTALL TURBIDITY CURTAIN AROUND WORK AREA. MAINTAIN CURTAIN UNTIL TURBIDITY SETTLES.
  2. REMOVE DOCK DECKING AS NEEDED AT PILE & CAP REPLACEMENT LOCATIONS.
  3. PULL/CUT AND REPLACE TIMBER PILES AND MOORING POSTS AS INDICATED TO REPAIR DOCKS. ADD MID-SPAN SHIM AND IN-KIND ANCHOR BOLT TO ABUTMENT PILE ON SOUTH DOCK. REPLACE TIMBER PILE CAPS WHILE SUPPORTING EXISTING DOCK, REINSTALL DECKING IN-KIND.
  4. REPAIR RIPRAP WHERE NEEDED USING THE LARGEST SIZE STONES TO FILL VOIDS TO RESTORE FLAT SURFACE AND ALLOW TRAILER WHEEL PASSAGE.
  5. REMOVE BITUMINOUS PAVEMENT BETWEEN PAVERS AND CONCRETE SLAB AND REPLACE WITH REINFORCED PRECAST CONCRETE PLANKS (PROVIDED BY TOWN) IN THE DRY.
  6. REMOVE AND REPLACE GRANITE CURBS AND POROUS CONCRETE PAVERS WITH DOCK ACCESS TO BE ADA COMPLIANT. CUT BACK EXISTING PAVEMENT AS NEEDED.
  7. CLEAN UP SITE AND REMOVE EROSION CONTROLS.



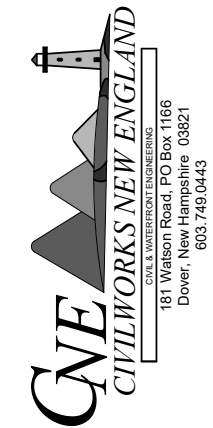
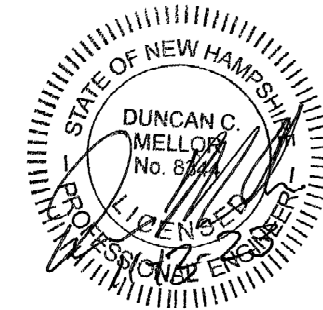
REPAIR LONGITUDINAL SECTION



EXISTING LONGITUDINAL SECTION

NOTES:

1. WORK ANTICIPATED FOR LARGE LAKE DRAW-DOWN THIS WINTER.
2. REMOVE BITUMINOUS PAVEMENT FROM SITE WITH RECYCLING.
3. REMOVE EXISTING PAVERS.
4. EXCAVATE AND GRADE RAMP BASE TO ALLOW FOR MIN. 8" OF CRUSHED STONE BASE NHDOT 304.4.
5. NEW RAMP CONCRETE PLANKS SHALL BE FLUSH WITH TOP OF EXISTING SLAB AND BE SET AT 15% SLOPE. DOWEL NEW CONCRETE PLANKS TO EXISTING CONCRETE WITH (4) #5 REBAR EQ SPACES, EPOXY RESIN 6" DEEP.
6. SET VEHICLE RATED PAVERS WITH DRY JOINTS ON MIN, 10" OF CRUSHED STONE BASE NHDOT 304.4 TO A VERTICAL CURVE L=10', G1=5.57%, G2=15%.
7. PROVIDE GRANITE CURBS TO SEPARATE ADA DOCK APPROACHES FROM RAMP VERTICAL CURVE PAVERS.



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MAST LANDING BOAT  
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**TIMBERWORK NOTES:**

1. PROVIDE WORK SITE PROTECTIONS INCLUDING CONSTRUCTION FENCE TO CLOSE THE WORK AREA TO THE PUBLIC. MOTORIZED EQUIPMENT SUBJECT TO THE NHDES WETLANDS PERMIT SHALL CONTAIN SPILL KITS AS REQUIRED IN PERMIT CONDITIONS.
2. REPAIR INTENT ON SOUTH DOCK IS FULL PILE AND PILE CAP REPLACEMENTS IN THE ORIGINAL DESIGN LOCATIONS UNDER STRINGER SPLICE LOCATIONS. CONFIRM EXISTING STRINGER SPLICE LOCATIONS PRIOR TO DRIVING PILES.
3. REPAIR INTENT ON NORTH DOCK IS PILE AND PILE CAP REPLACEMENTS IN THE ORIGINAL AS SHOWN WITH EVERY OTHER PILE CAP UNDER STRINGER SPLICE LOCATIONS. PILE REPLACEMENTS ARE INTENDED TO ADDRESS MIS-LOCATED PILES AND TO PROVIDE MID-SPAN PILE BENTS TO REDUCE SPAN LENGTH AND IMPROVE LIVE LOAD CAPACITY. CONFIRM EXISTING STRINGER SPLICE LOCATIONS PRIOR TO DRIVING PILES.
4. PILES SHALL BE ASTM D25, 8" TIP, NATURAL TAPER, TREATED TO UC4C, DRIVEN TO 2.75 TON CAPACITY.
5. PILE CAPS SHALL BE SYP NO.2, 10X10 TREATED TO UC4B. FASTEN PILE CAP TO EACH PILE WITH A 1" DIA. X 22"L DRIFT PIN, DRIVE FIT.
6. FENDER TIMBERS SHALL BE SYP NO.2, 4X6 TREATED TO UC4A OR B, FASTEN IN-KIND, ROUTER EDGES ABOVE DECK LEVEL TO ROUND OVER EDGES.
7. ALL TIMBERS WHERE DAMAGED OR CUT FOR FITTING, OR DURING HANDLING, TREATED TIMBER SHALL BE GIVEN TWO BRUSH COATS (AT LEAST 15 MINUTES APART) OF COPPER NAPHTHENATE SOLUTION (MIN. 1% METALLIC COPPER) AT THE TIME OF CUTOFF OR DRILLING.
8. FASTEN EXISTING EDGE STRINGERS TO NEW PILE CAPS WITH VERTICAL 3/8" X 12" RSS STRUCTURAL SCREW INTENDED FOR USE IN TREATED LUMBER AND EXTERIOR WEATHER EXPOSURE.
9. PROVIDE 8X8 TIMBER RUNNERS WITH 4X8 SPLICE PLATES TO FORM TWO CONTINUOUS TIMBER BEAMS EMBEDDED IN THE CRUSHED STONE BASE, TWO PER ROW OF PLANKS, SET TO CORRECT SLOPE AND ELEVATIONS. TIMBER SHALL BE SYP NO.2, 8X8 AND 4X8 TREATED TO UC4B. FASTEN SPLICE PLATES WITH (8) EACH 3/8" X 7.25" RSS STRUCTURAL SCREW INTENDED FOR USE IN TREATED LUMBER AND EXTERIOR WEATHER EXPOSURE.
10. EXISTING FLOAT MAY BE TEMPORARILY DISCONNECTED AND MOVED. REPAIR FLOAT HINGE TO FULLY INSERT PIPE THRU EYE BOLTS, PROVIDE RETAINING BOLTS AT BOTH ENDS.
11. COORDINATE A PUNCHLIST WALK-THRU WITH OWNER AND ENGINEER, ADDRESS ALL ITEMS.

**RIPRAP NOTES:**

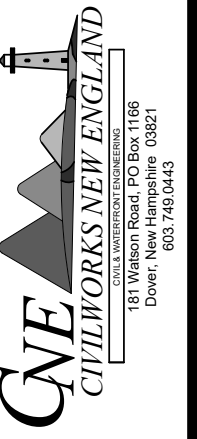
1. THE PRECAST CONCRETE BOAT RAMP PLANKS WILL BE PROVIDED BY THE OWNER. PLANKS WILL BE 6"X14"X 9' OR 10' LONG TO SUIT TOTAL RAMP WIDTH CHANGES.
2. PLANKS WILL HAVE ONE HOLE EACH END
3. THE INTENT IS TO HAVE THE TOP SURFACE OF ALL RIPRAP REASONABLY FLAT AND SUITABLE FOR PASSAGE OF TRAILER WHEELS.

**PLANK NOTES:**

1. THE PRECAST CONCRETE BOAT RAMP PLANKS WILL BE PROVIDED BY THE OWNER. PLANKS WILL BE 6"X14"X 9' OR 10' LONG TO SUIT TOTAL RAMP WIDTH CHANGES.
2. PLANKS WILL HAVE ONE VERTICAL BOLT HOLE EACH END FOR LAG BOLT FASTENING TO THE TIMBER RUNNERS BELOW. ANTICIPATE THE PRECAST BOLT HOLES WILL NEED REAMING WITH A DRILL TO FIT 3/4"X10" LAG BOLTS AND SHALLOW DRILLING THE TOP SURFACE TO FORM A COUNTER SINK FOR THE BOLT HEAD AND WASHER. LAG BOLTS TO BE HDG AND PROVIDE EACH WITH A STAINLESS STEEL WASHER (TYP). DRILL A LAG BOLT LEAD HOLE INTO THE TIMBER RUNNER AT EACH LOCATION FOR SNUG FIT.
3. THE INTENT IS TO HAVE THE TOP SURFACE OF THE PLANKS AND ADJACENT EDGE RIPRAP REASONABLY FLAT AND SUITABLE FOR PASSAGE OF TRAILER WHEELS.

**PAVER & CURB NOTES:**

1. PROVIDE GRANITE CURBS TO SEPARATE DOCK ACCESS PAVERS FROM RAMP PAVERS AND PROVIDE CONCRETE BACKING TO LOWER CURB BELOW PAVER DEPTH.
2. PROVIDE POROUS PAVERS TECO-BLOC BLU 80 OR APPROVED EQUAL RATED FOR TRAFFIC LOADING AND FREEZE-THAW RESISTANCE, COLOR TO BE SELECTED BY OWNER.
3. PAVERS TO BE DRY SET IN HERRINGBONE PATTERN ALIGNED WITH PLANKS ON COMPACTED CRUSHED STONE BASE WITH MINIMUM NECESSARY NO. 8 SAND BEDDING. CUT EXISTING PAVEMENT TO END PAVERS WITH FULL BLOCKS. UNIFORMLY COMPACT PAVERS INTO BEDDING ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS, AVOID SCUFFS. FILL JOINTS WITH NO. 8 SAND. FIRST ROW OF PAVERS ABUTTING DOCKS AND PLANKS TO BE SET ON 4" OF CONCRETE.
4. THE INTENT IS TO HAVE THE SURFACE OF THE DOCK ACCESS PAVERS TO BE ADA COMPLIANT WITH MAXIMUM CROSS SLOPE OF 2% MAX, MAX LIP STEP OF 0.25". PAVER SURFACE TO BE FLUSH WITH DOCKS, PLANKS AND EXISTING PAVEMENT AFTER COMPACTION.



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**REPAIR NOTES**

