

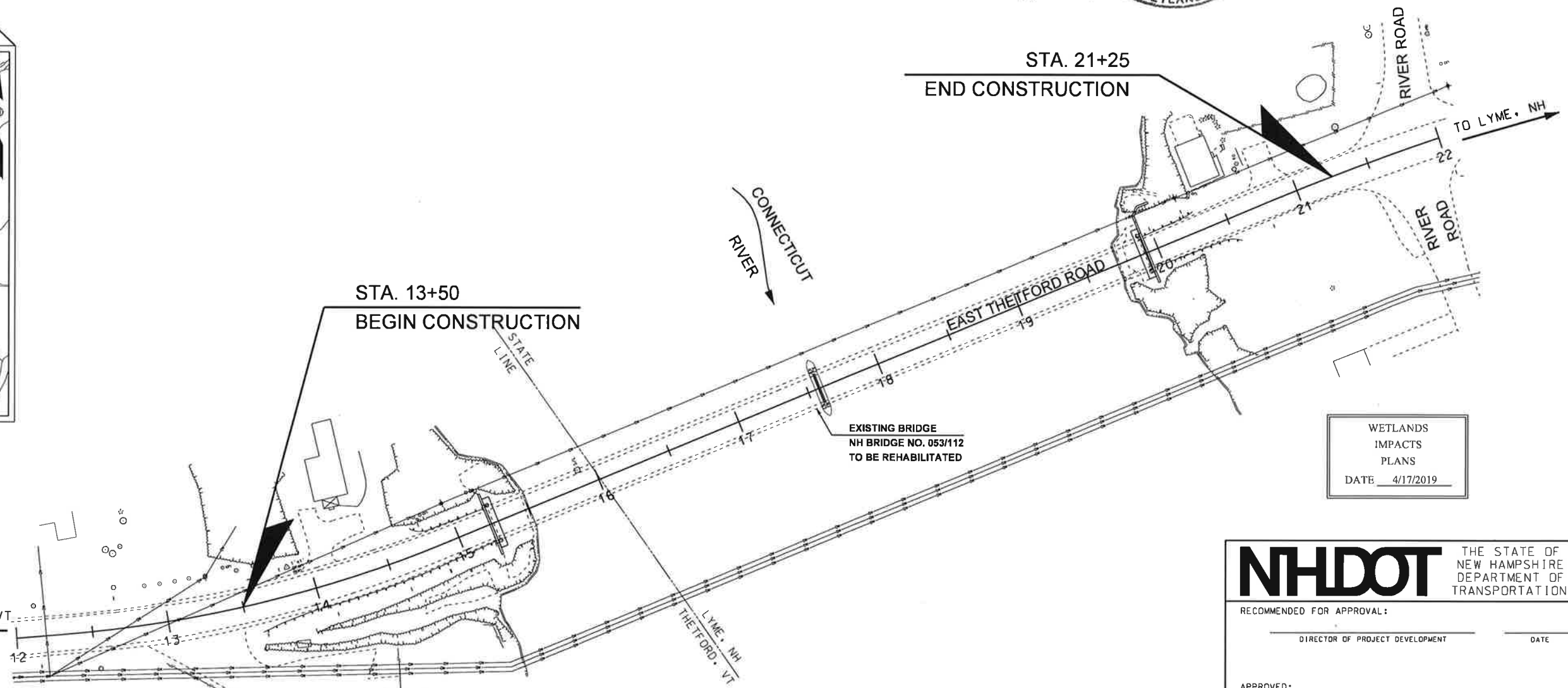
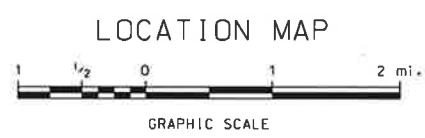
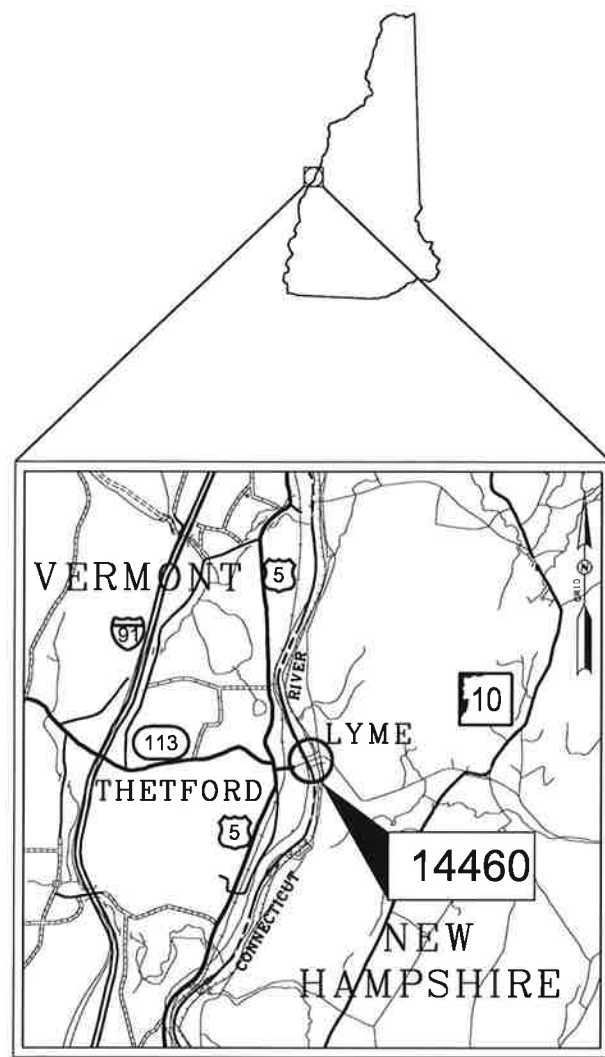
**STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION  
WETLANDS PLANS  
FEDERAL AID PROJECT**

**A000(394)  
NH PROJECT NO. 14460  
EAST THETFORD ROAD**

DESIGN DATA	
AVERAGE DAILY TRAFFIC 20_16	2200
AVERAGE DAILY TRAFFIC 20_36	2700
PERCENT OF TRUCKS	9.5%
DESIGN SPEED	40 MPH
LENGTH OF PROJECT	775 FT

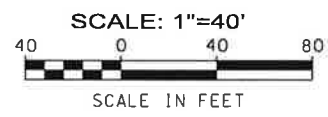


WETLANDS WERE DELINEATED BY STANTEC, INC. IN 2013 REFRESHED IN 2018. THE WETLAND DELINEATIONS WERE COMPLETED IN ACCORDANCE WITH THE CRITERIA DESCRIBED IN THE U.S. ARMY CORPS OF ENGINEERS WETLAND DELINEATION MANUAL TECHNICAL REPORT Y-87-1 (JANUARY, 1987) AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL FOR THE NORTHCENTRAL NORTHEAST REGION (VERSION 2.0, JANUARY, 2012) AND MEET THE CRITERIA FOR WETLAND DELINEATION IN ACCORDANCE WITH THE NH DES ADMINISTRATIVE RULES ENV-WT 301.01 AND ENV-WT 101.48.



WETLANDS  
IMPACTS  
PLANS  
DATE: 4/17/2019

**Lyme, NH - Thetford, VT  
COUNTIES OF GRAFTON NH - ORANGE, VT**



FOR CONSTRUCTION AND ALIGNMENT  
DETAILS SEE CONSTRUCTION PLANS

**INDEX OF SHEETS**

- 1 TITLE SHEET
- 2-3 STANDARD SYMBOLS 1-2
- 4 SITE PLAN & PROFILE
- 5 SURVEY LAYOUT AND APPROACH SECTION
- 6 EROSION CONTROL STRATEGIES AND STABILIZATION MATRIX
- 7-8 WETLAND IMPACTS PLANS 1-2
- 9-11 EROSION CONTROL PLANS 1-3
- 12-13 CONSTRUCTION SEQUENCE PLANS 1-2

DRAWN BY: XX  
CHECKED BY: XX  
DATE: XX/XX/XX

**NHDOT** THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL:

\_\_\_\_\_  
DIRECTOR OF PROJECT DEVELOPMENT      DATE

APPROVED:

\_\_\_\_\_  
ASSISTANT COMMISSIONER AND CHIEF ENGINEER      DATE

U. S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

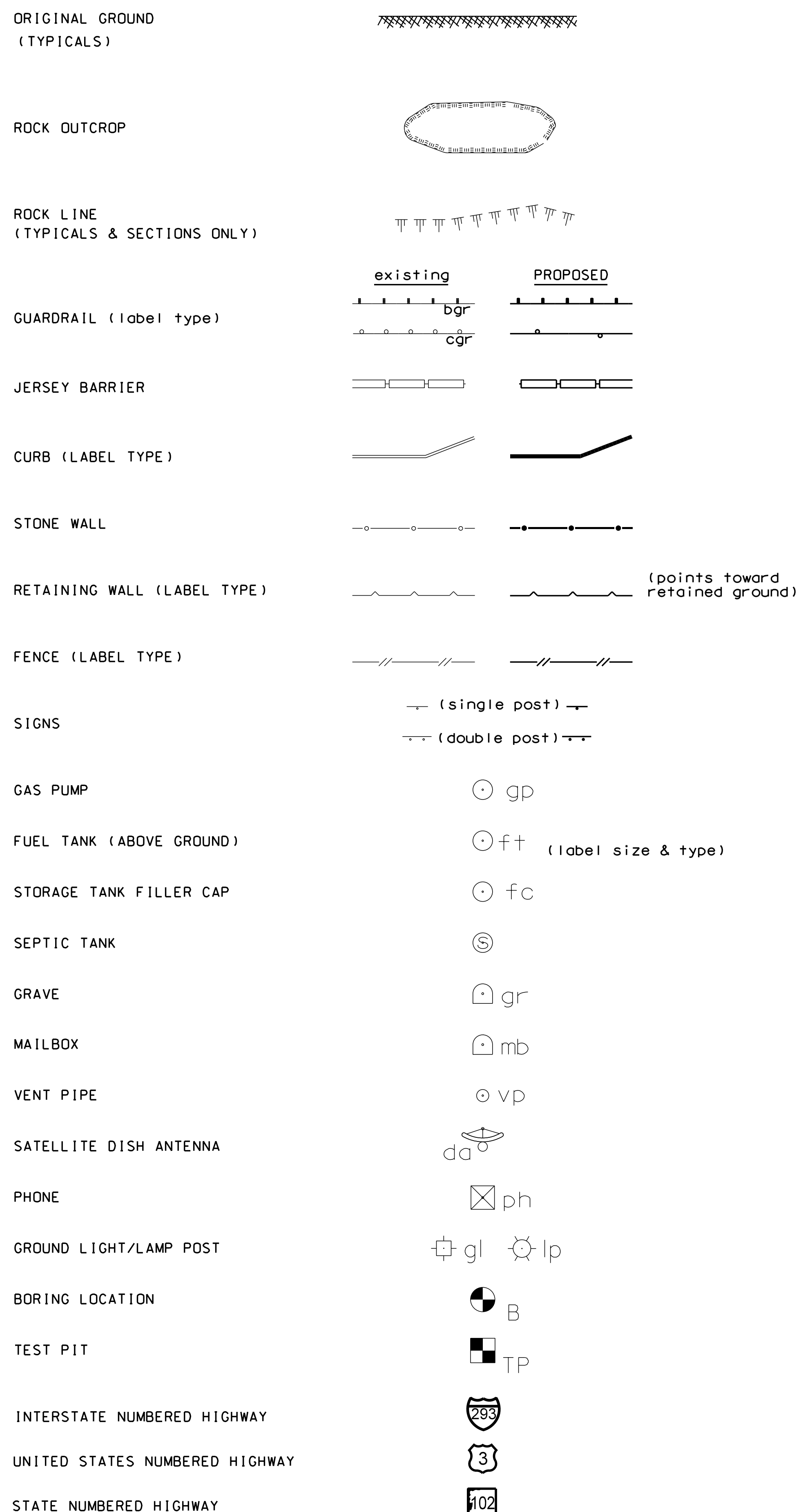
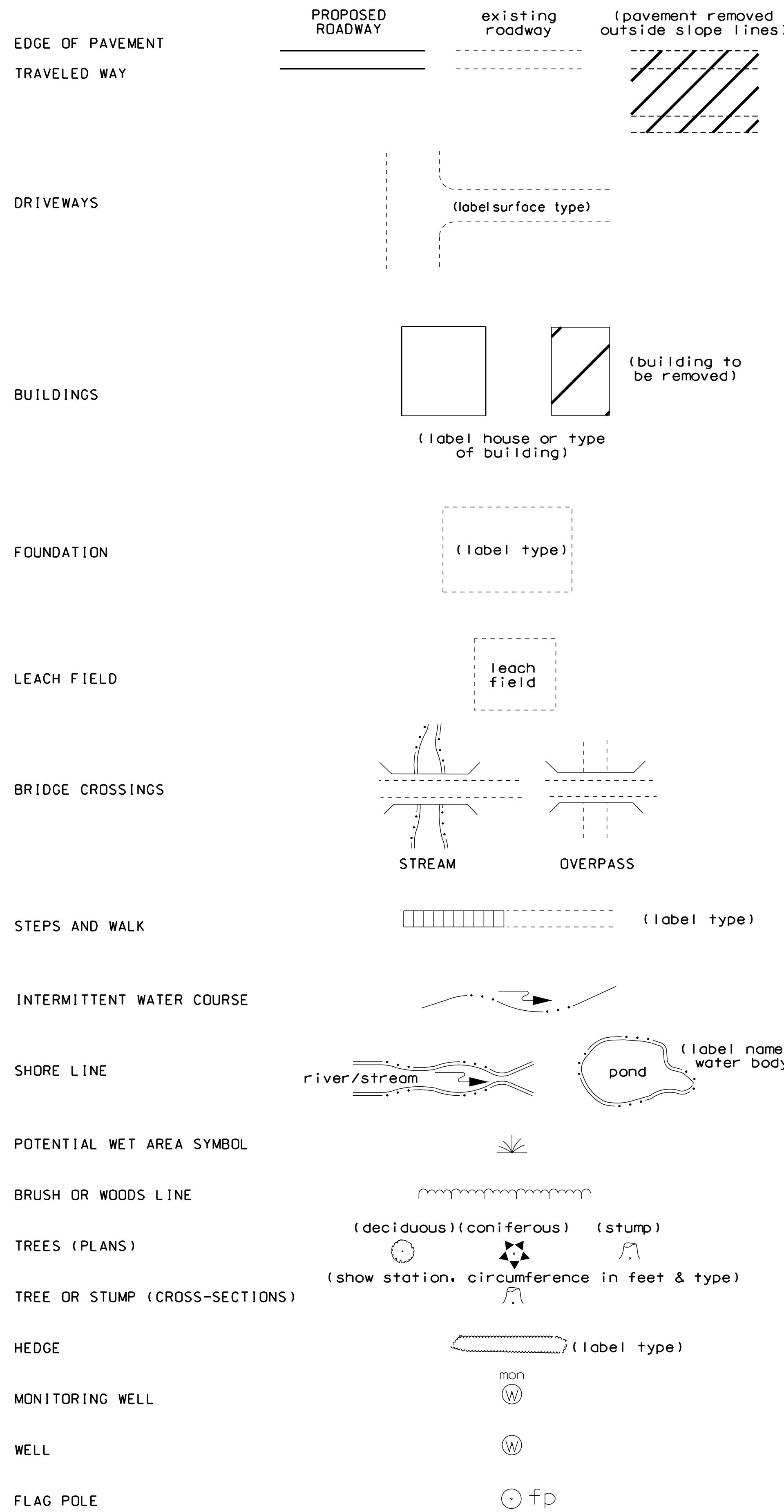
APPROVED:

\_\_\_\_\_  
DIVISION ADMINISTRATOR      DATE

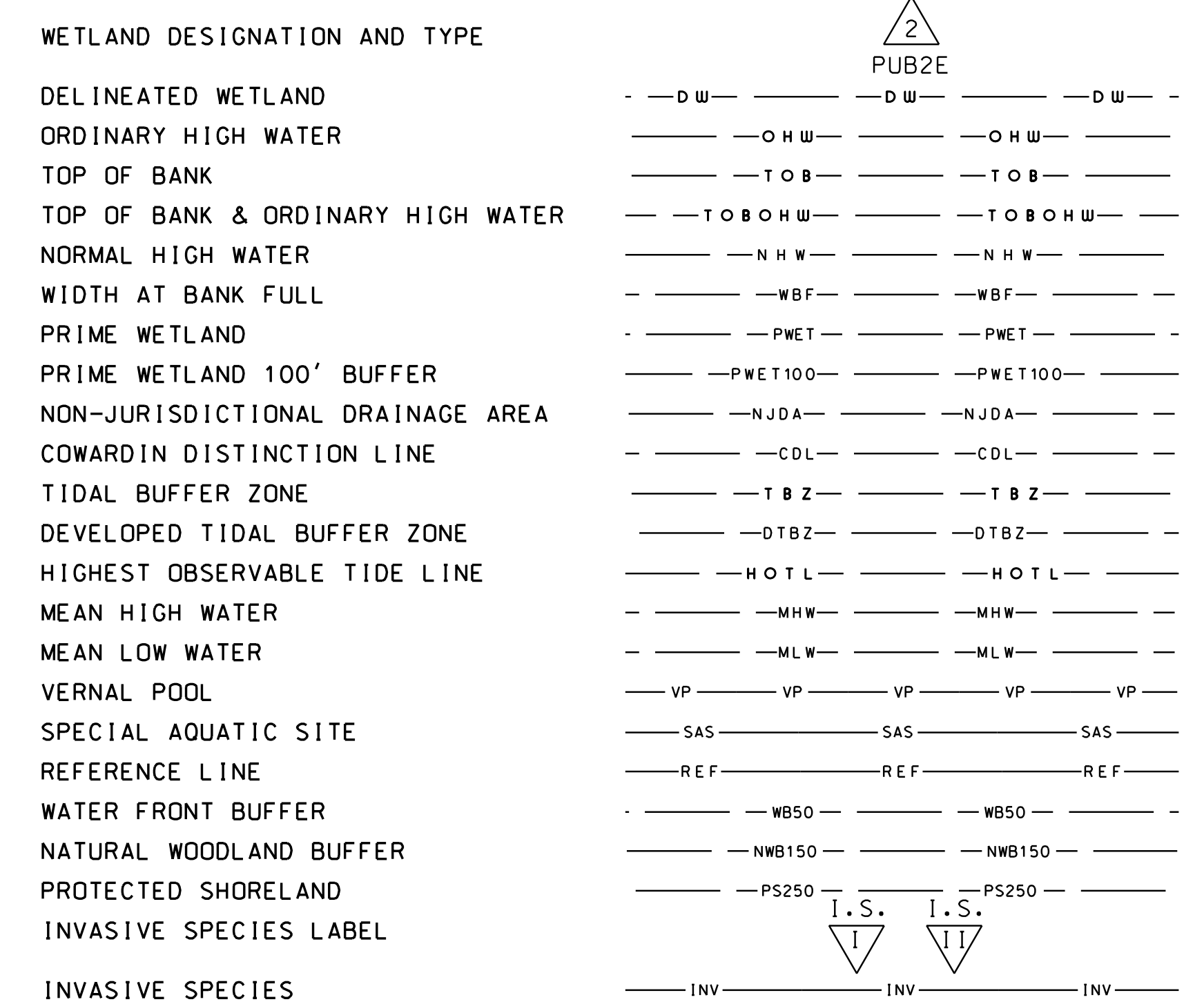
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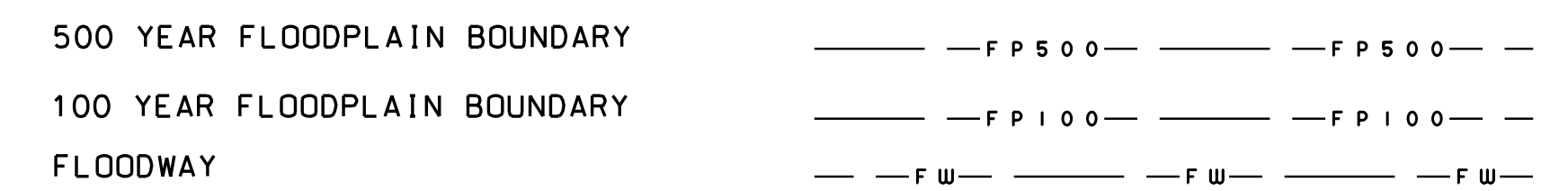
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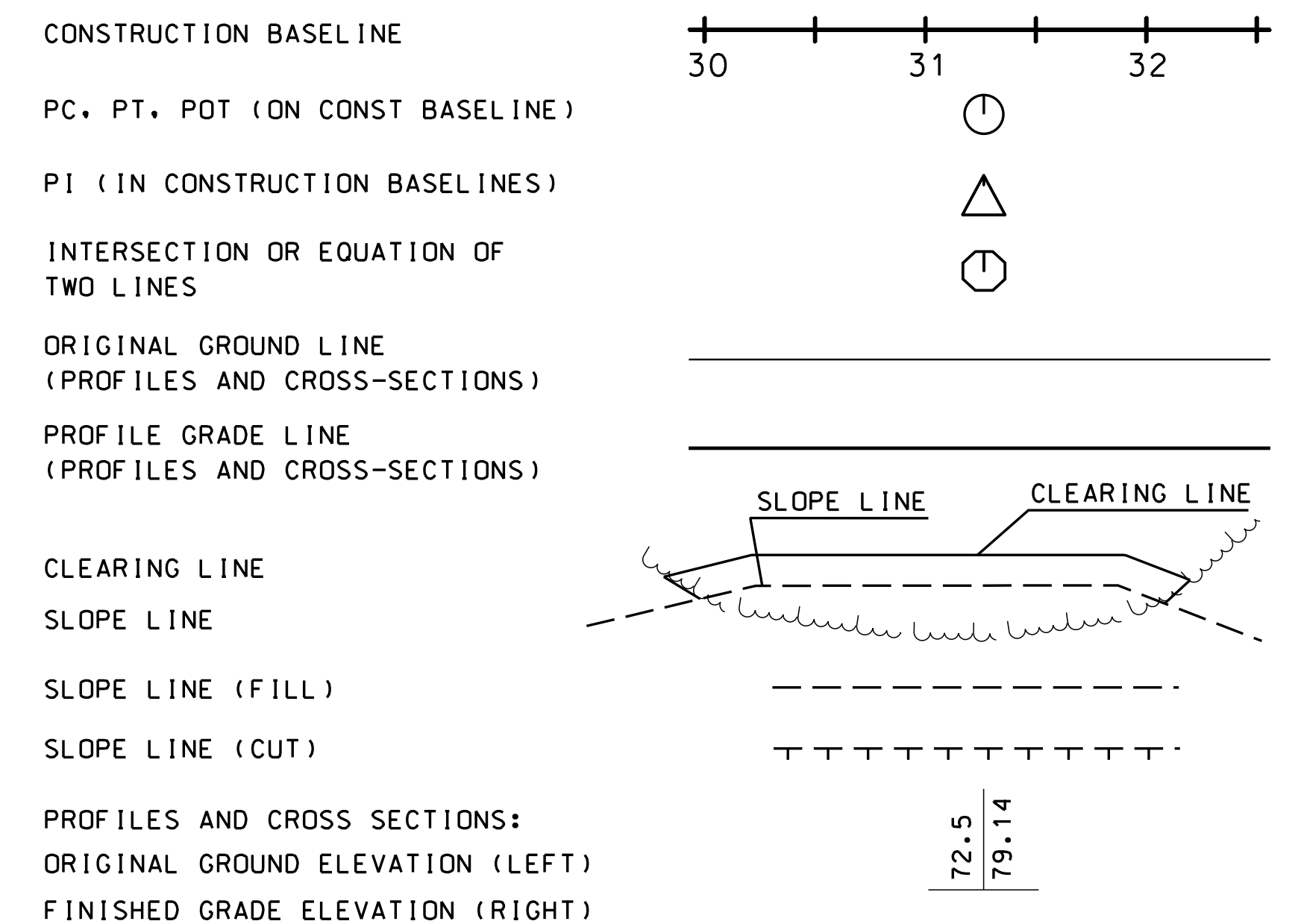
# SHORELAND - WETLAND



# FLOODPLAIN / FLOODWAY



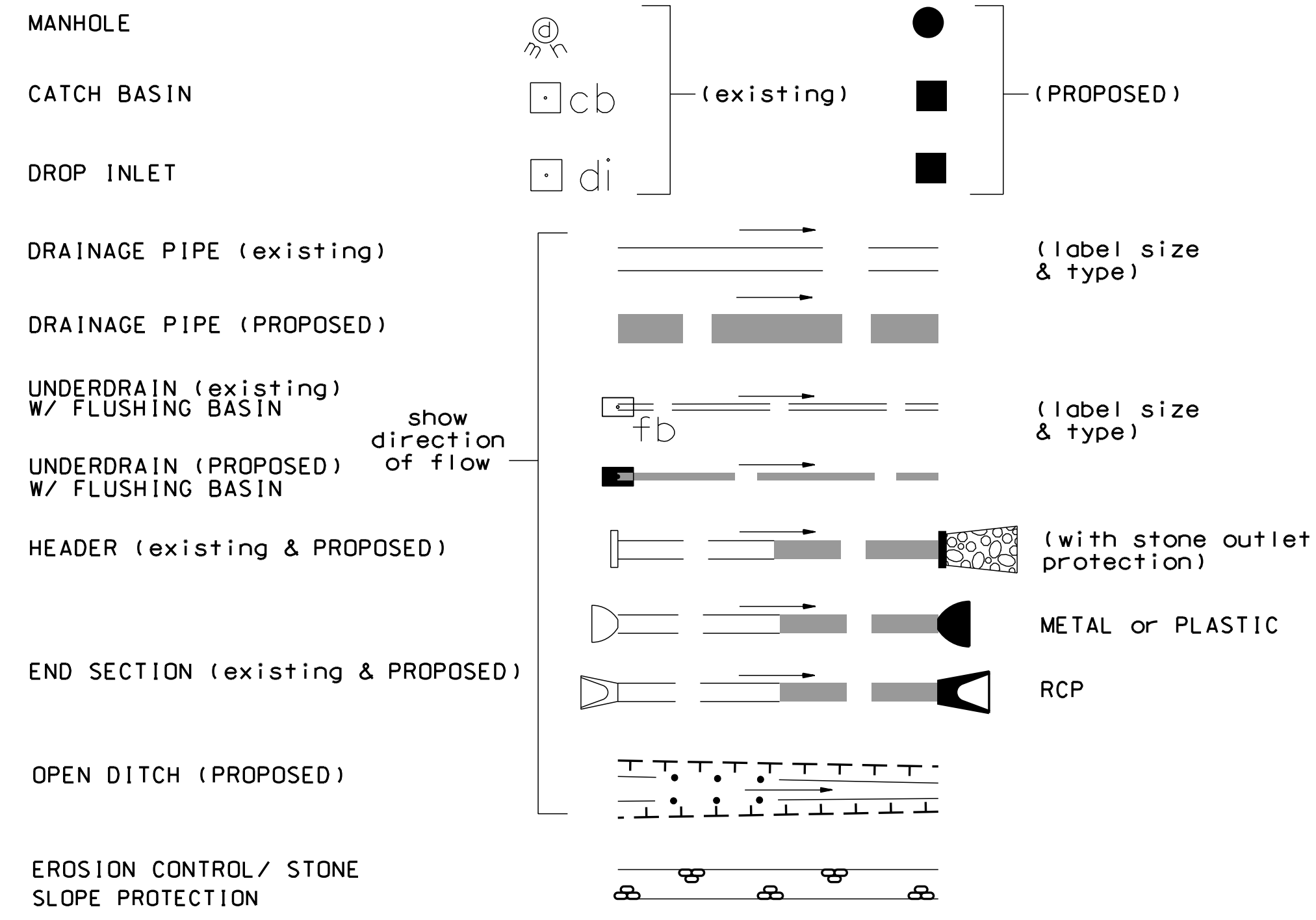
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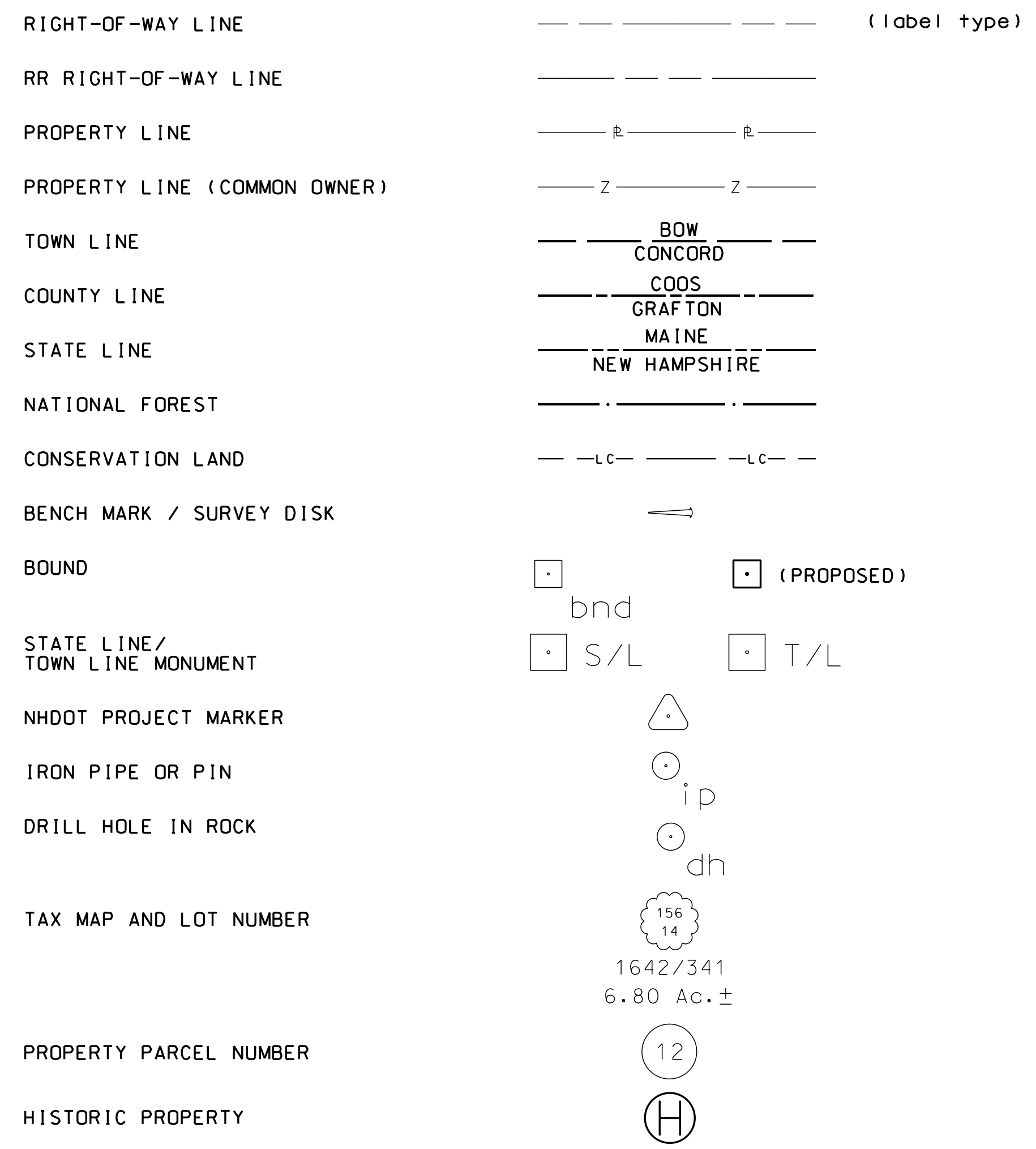
STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
<b>STANDARD SYMBOLS 1</b>			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
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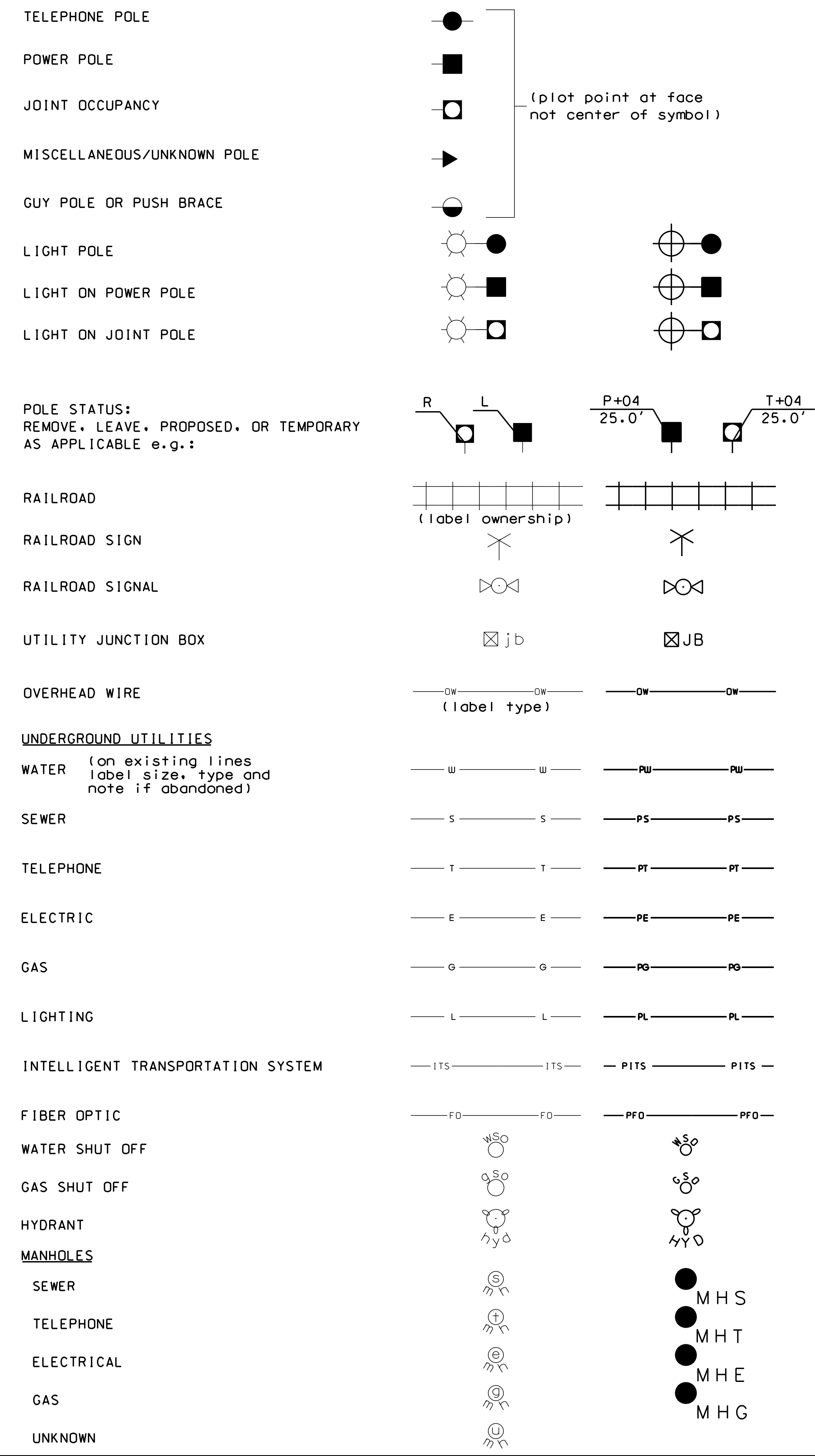
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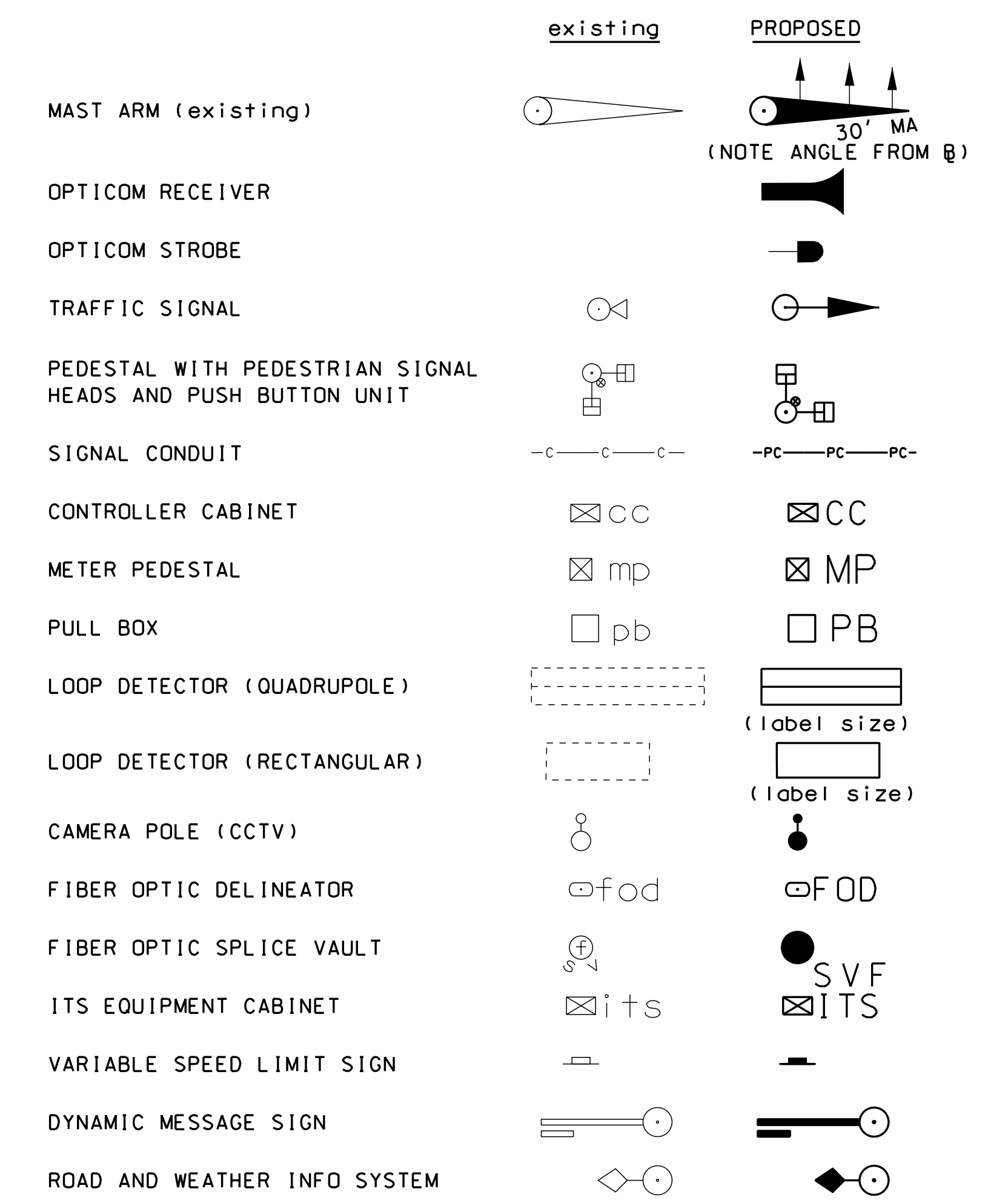
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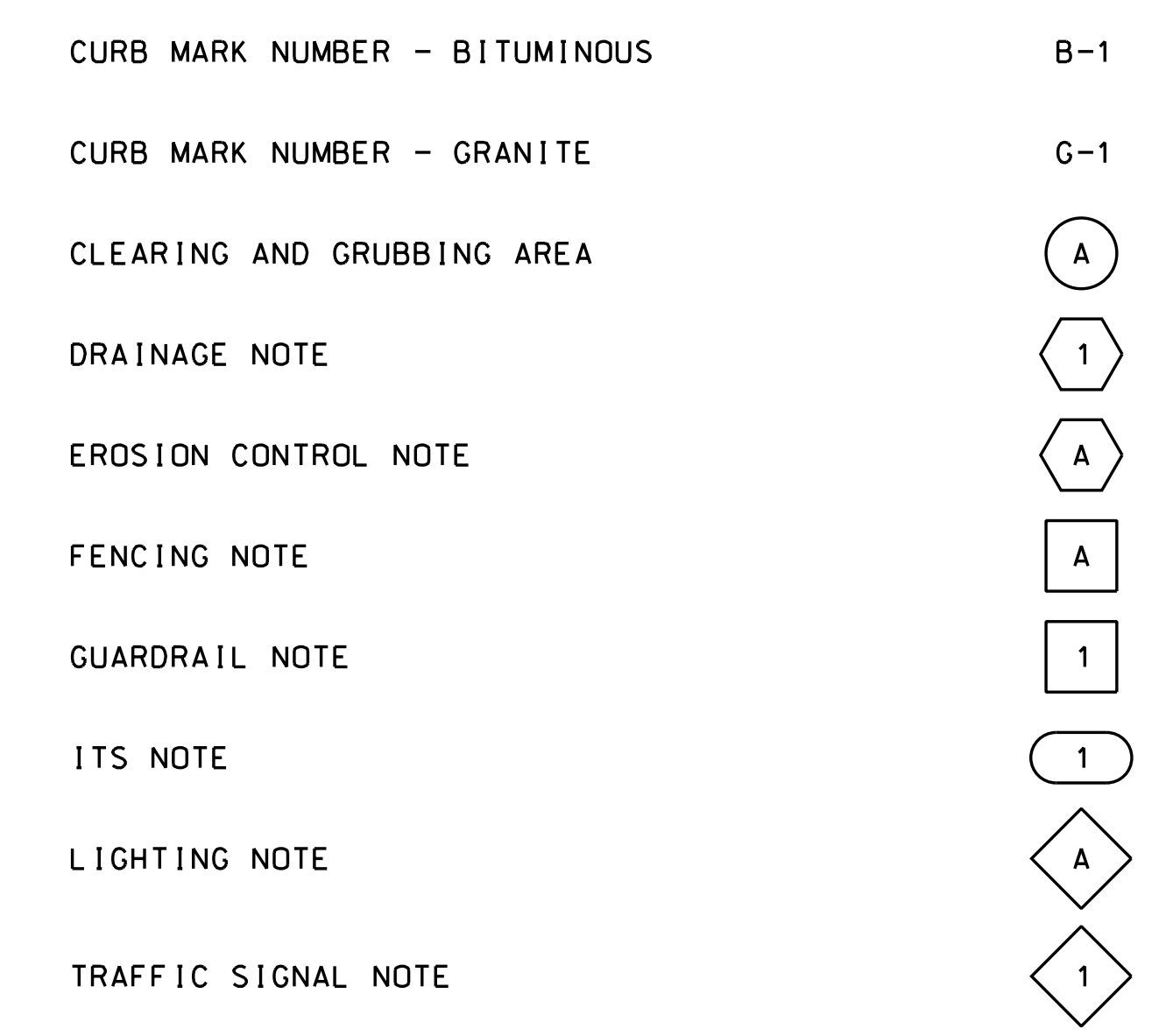
## UTILITIES



## TRAFFIC SIGNALS / ITS

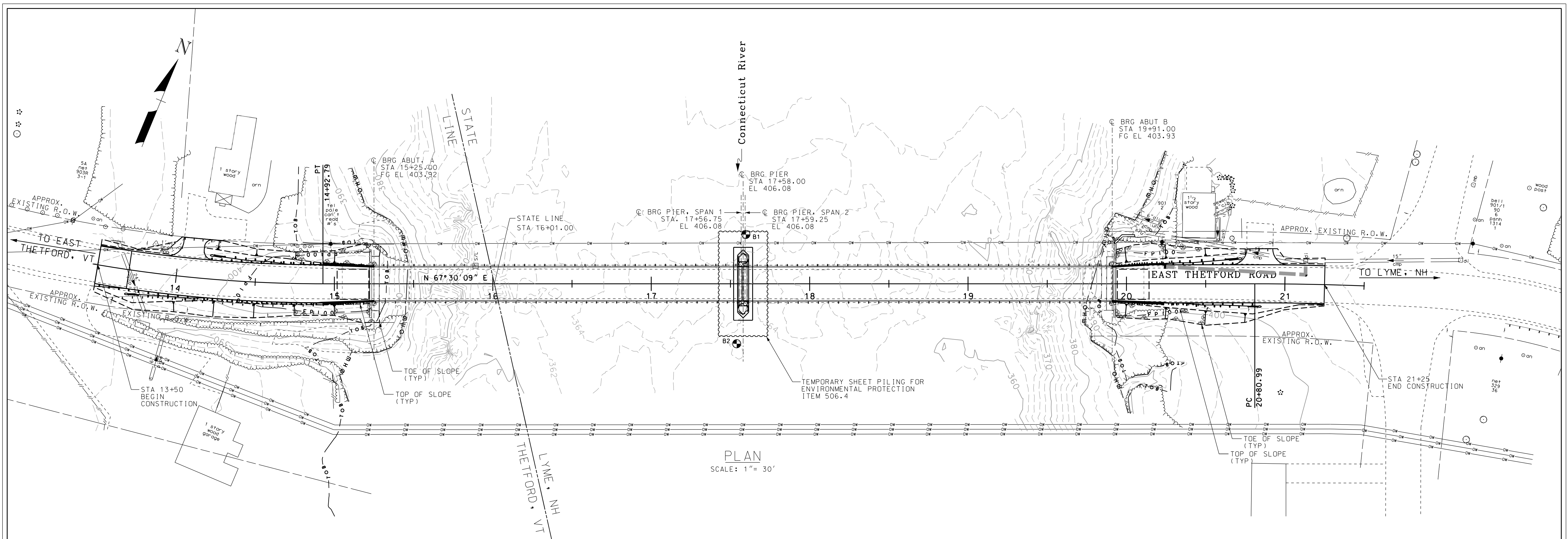


## CONSTRUCTION NOTES

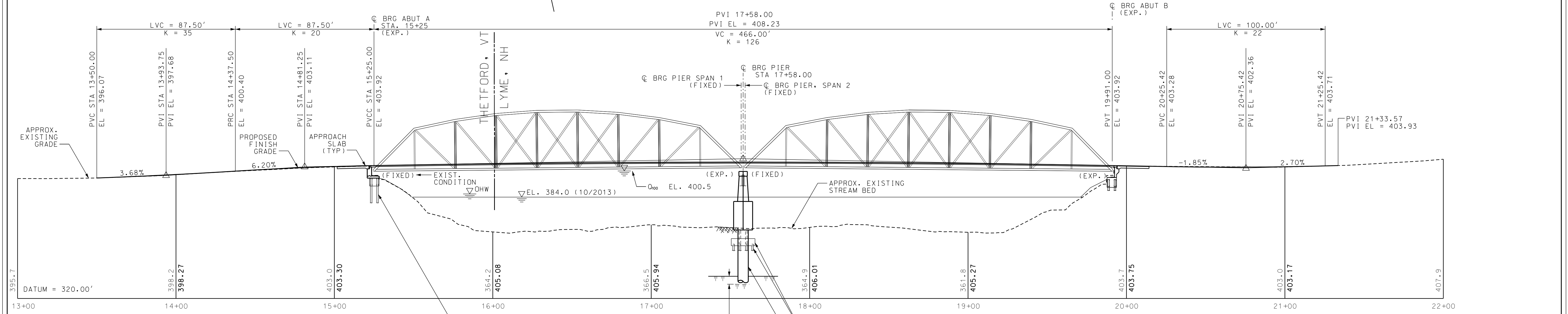


STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
<b>STANDARD SYMBOLS 2</b>			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
03_Symb2	14460	3	13





PLAN  
SCALE: 1" = 30'



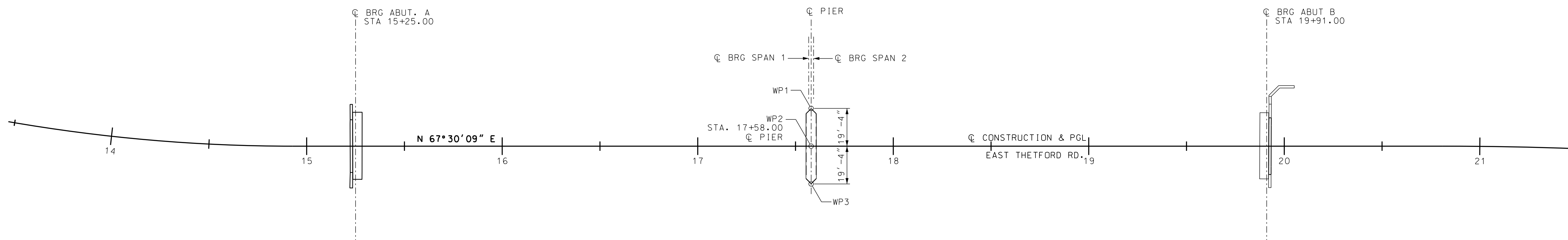
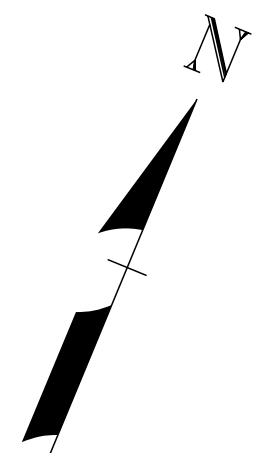
PROFILE  
SCALE: 1" = 30'

<b>STATE OF NEW HAMPSHIRE</b>					
<b>DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN</b>					
TOWN	LYME, NH-THETFORD, VT	BRIDGE NO.	053/112	STATE PROJECT	14460
LOCATION	EAST THETFORD ROAD OVER THE CONNECTICUT RIVER				
<b>SITE PLAN AND PROFILE</b>					BRIDGE SHEET
					OF
					FILE NUMBER
					1-14-2-6
					TOTAL SHEETS
					4
					13



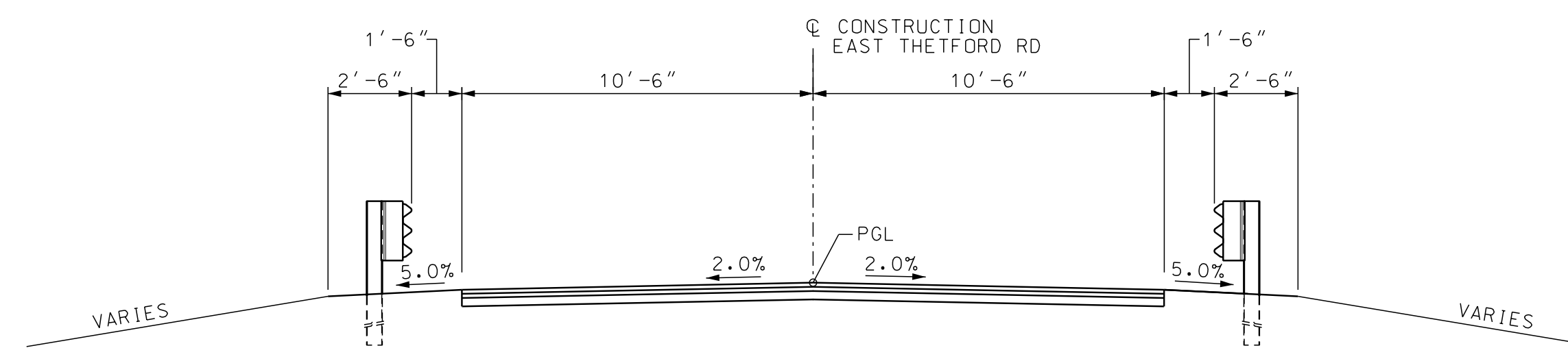
SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
BRC	04_siteplan	AS NOTED

REVISIONS AFTER PROPOSAL		BY	DATE	BY	DATE
	DESIGNED	TEK	7/2016	CHECKED	TEK
	DRAWN	JTS	7/2016	CHECKED	
QUANTITIES		CHECKED			
ISSUE DATE	FEDERAL PROJECT NO.		SHEET NO.		TOTAL SHEETS
REV. DATE	04/17/19		4		13



**SURVEY LAYOUT**  
SCALE: 1" = 30'

WORKING POINT COORDINATES		
WORKING POINT NO.	NORTHING	EASTING
WP1	478675.5147	847926.0531
WP2	478657.6527	847933.4509
WP3	478639.7907	847940.8486



**EAST THETFORD ROAD APPROACH SECTION**  
SCALE: 1/4" = 1'-0"

STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	LYME, NH-THETFORD, VT	BRIDGE NO.	053/112	STATE PROJECT	14460				
LOCATION	EAST THETFORD ROAD OVER THE CONNECTICUT RIVER								
SURVEY LAYOUT AND APPROACH SECTION								BRIDGE SHEET	
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BY	DATE	OF		
		DESIGNED	JGS	12/2018	CHECKED	XXX	FILE NUMBER		
		DRAWN	LRB	12/2018	CHECKED		1-14-2-6		
		QUANTITIES			CHECKED		TOTAL SHEETS		
		ISSUE DATE		FEDERAL PROJECT NO.	SHEET NO.		5		
		REV. DATE	04/17/19				13		



SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
BRC	07_Sv layout	AS NOTED

# EROSION CONTROL STRATEGIES

1. ENVIRONMENTAL COMMITMENTS:
  - 1.1. THESE GUIDELINES DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH ANY CONTRACT PROVISIONS, OR APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
  - 1.2. THIS PROJECT WILL BE SUBJECT TO THE US EPA'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER CONSTRUCTION GENERAL PERMIT AS ADMINISTERED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA). THIS PROJECT IS SUBJECT TO REQUIREMENTS IN THE MOST RECENT CONSTRUCTION GENERAL PERMIT (CGP).
  - 1.3. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE NHDES WETLAND PERMIT, THE US ARMY CORPS OF ENGINEERS PERMIT, WATER QUALITY CERTIFICATION AND THE SPECIAL ATTENTION ITEMS INCLUDED IN THE CONTRACT DOCUMENTS.
  - 1.4. ALL STORM WATER, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION (DECEMBER 2008) (BMP MANUAL) AVAILABLE FROM THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES (NHDES).
  - 1.5. THE CONTRACTOR SHALL COMPLY WITH RSA 485-A:17, AND ALL PUBLISHED NHDES ALTERATION OF TERRAIN ENV-WO 1500 REQUIREMENTS ([HTTP://DES.NH.GOV/ORGANIZATION/COMMISSIONER/LEGAL/RULES/INDEX.HTM](http://DES.NH.GOV/ORGANIZATION/COMMISSIONER/LEGAL/RULES/INDEX.HTM))
  - 1.6. THE CONTRACTOR IS DIRECTED TO REVIEW AND COMPLY WITH SECTION 107.1 OF THE CONTRACT AS IT REFERS TO SPILLAGE, AND ALSO WITH REGARDS TO EROSION, POLLUTION, AND TURBIDITY PRECAUTIONS.
2. STANDARD EROSION CONTROL SEQUENCING APPLICABLE TO ALL CONSTRUCTION PROJECTS:
  - 2.1. PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH DISTURBING ACTIVITIES. PERIMETER CONTROLS AND STABILIZED CONSTRUCTION EXITS SHALL BE INSTALLED AS SHOWN IN THE BMP MANUAL AND AS DIRECTED BY THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARER.
  - 2.2. EROSION, SEDIMENTATION CONTROL MEASURES AND INFILTRATION BASINS SHALL BE CLEANED, REPLACED AND AUGMENTED AS NECESSARY TO PREVENT SEDIMENTATION BEYOND PROJECT LIMITS THROUGHOUT THE PROJECT DURATION.
  - 2.3. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED IN ACCORDANCE WITH THE CONSTRUCTION GENERAL PERMIT AND SECTION 645 OF THE NHDOT SPECIFICATIONS FOR ROAD AND BRIDGES CONSTRUCTION.
  - 2.4. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
    - (A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
    - (B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
    - (C) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED;
    - (D) TEMPORARY SLOPE STABILIZATION CONFORMING TO TABLE 1 HAS BEEN PROPERLY INSTALLED
  - 2.5. ALL STOCKPILES SHALL BE CONTAINED WITH A PERIMETER CONTROL. IF THE STOCKPILE IS TO REMAIN UNDISTURBED FOR MORE THAN 14 DAYS, MULCHING WILL BE REQUIRED.
  - 2.6. A WATER TRUCK SHALL BE AVAILABLE TO CONTROL EXCESSIVE DUST AT THE DIRECTION OF THE CONTRACT ADMINISTRATOR.
  - 2.7. TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN UNTIL THE AREA HAS BEEN PERMANENTLY STABILIZED.
  - 2.8. CONSTRUCTION PERFORMED ANY TIME BETWEEN NOVEMBER 30<sup>th</sup> AND MAY 1<sup>st</sup> OF ANY YEAR SHALL BE CONSIDERED WINTER CONSTRUCTION AND SHALL CONFORM TO THE FOLLOWING REQUIREMENTS.
    - (A) ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15<sup>th</sup>, OR WHICH ARE DISTURBED AFTER OCTOBER 15<sup>th</sup>, SHALL BE STABILIZED IN ACCORDANCE WITH TABLE 1.
    - (B) ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15<sup>th</sup>, OR WHICH ARE DISTURBED AFTER OCTOBER 15<sup>th</sup>, SHALL BE STABILIZED TEMPORARILY WITH STONE OR IN ACCORDANCE WITH TABLE 1.
    - (C) AFTER NOVEMBER 30<sup>th</sup> INCOMPLETE ROAD SURFACES, WHERE WORK HAS STOPPED FOR THE SEASON, SHALL BE PROTECTED IN ACCORDANCE WITH TABLE 1.
    - (D) WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE PROJECT IS WITHOUT STABILIZATION AT ONE TIME, UNLESS A WINTER CONSTRUCTION PLAN HAS BEEN APPROVED BY NHDOT THAT MEETS THE REQUIREMENTS OF ENV-WO 1505.02 AND ENV-WO 1505.05.
    - (E) A SWPPP AMENDMENT SHALL BE SUBMITTED TO THE DEPARTMENT, FOR APPROVAL, ADDRESSING COLD WEATHER STABILIZATION (ENV-WO 1505.05) AND INCLUDING THE REQUIREMENTS OF NO LESS THAN 30 DAYS PRIOR TO THE COMMENCEMENT OF WORK SCHEDULED AFTER NOVEMBER 30<sup>th</sup>.

### GENERAL CONSTRUCTION PLANNING AND SELECTION OF STRATEGIES TO CONTROL EROSION AND SEDIMENT ON HIGHWAY CONSTRUCTION PROJECTS

3. PLAN ACTIVITIES TO ACCOUNT FOR SENSITIVE SITE CONDITIONS:
  - 3.1. CLEARLY FLAG AREAS TO BE PROTECTED IN THE FIELD AND PROVIDE CONSTRUCTION BARRIERS TO PREVENT TRAFFICKING OUTSIDE OF WORK AREAS.
  - 3.2. CONSTRUCTION SHALL BE SEQUENCED TO LIMIT THE DURATION AND AREA OF EXPOSED SOILS.
  - 3.3. PROTECT AND MAXIMIZE EXISTING NATIVE VEGETATION AND NATURAL FOREST BUFFERS BETWEEN CONSTRUCTION ACTIVITY AND SENSITIVE AREAS.
  - 3.4. WHEN WORK IS PERFORMED IN AND NEAR WATER COURSES, STREAM FLOW DIVERSION METHODS SHALL BE IMPLEMENTED PRIOR TO ANY EXCAVATION OR FILLING.
  - 3.5. WHEN WORK IS PERFORMED WITHIN 50 FEET OF SURFACE WATERS (WETLAND, OPEN WATER OR FLOWING WATER), PERIMETER CONTROL SHALL BE ENHANCED CONSISTENT WITH SECTION 2.1.2.1. OF THE 2012 NPDES CONSTRUCTION GENERAL PERMIT.
4. MINIMIZE THE AMOUNT OF EXPOSED SOIL:
  - 4.1. CONSTRUCTION SHALL BE SEQUENCED TO LIMIT THE DURATION AND AREA OF EXPOSED SOILS. MINIMIZE THE AREA OF EXPOSED SOIL AT ANY ONE TIME. PHASING SHALL BE USED TO REDUCE THE AMOUNT AND DURATION OF SOIL EXPOSED TO THE ELEMENTS AND VEHICLE TRACKING.
  - 4.2. UTILIZE TEMPORARY MULCHING OR PROVIDE ALTERNATE TEMPORARY STABILIZATION ON EXPOSED SOILS IN ACCORDANCE WITH TABLE 1.
  - 4.3. THE MAXIMUM AMOUNT OF DISTURBED EARTH SHALL NOT EXCEED A TOTAL OF 5 ACRES FROM MAY 1<sup>st</sup> THROUGH NOVEMBER 30<sup>th</sup>, OR EXCEED ONE ACRE DURING WINTER MONTHS, UNLESS THE CONTRACTOR DEMONSTRATES TO THE DEPARTMENT THAT THE ADDITIONAL AREA OF DISTURBANCE IS NECESSARY TO MEET THE CONTRACTORS CRITICAL PATH METHOD SCHEDULE (CPM), AND THE CONTRACTOR HAS ADEQUATE RESOURCES AVAILABLE TO ENSURE THAT ENVIRONMENTAL COMMITMENTS WILL BE MET.
5. CONTROL STORMWATER FLOWING ONTO AND THROUGH THE PROJECT:
  - 5.1. DIVERT OFF SITE RUNOFF OR CLEAN WATER AWAY FROM THE CONSTRUCTION ACTIVITY TO REDUCE THE VOLUME THAT NEEDS TO BE TREATED ON SITE.
  - 5.2. DIVERT STORM RUNOFF FROM UPSLOPE DRAINAGE AREAS AWAY FROM DISTURBED AREAS, SLOPES, AND AROUND ACTIVE WORK AREAS AND TO A STABILIZED OUTLET LOCATION.
  - 5.3. CONSTRUCT IMPERMEABLE BARRIERS AS NECESSARY TO COLLECT OR DIVERT CONCENTRATED FLOWS FROM WORK OR DISTURBED AREAS.
  - 5.4. STABILIZE, TO APPROPRIATE ANTICIPATED VELOCITIES, CONVEYANCE CHANNELS OR PUMPING SYSTEMS NEEDED TO CONVEY CONSTRUCTION STORMWATER TO BASINS AND DISCHARGE LOCATIONS PRIOR TO USE.
  - 5.5. DIVERT OFF-SITE WATER THROUGH THE PROJECT IN AN APPROPRIATE MANNER SO NOT TO DISTURB THE UPSTREAM OR DOWNSTREAM SOILS, VEGETATION OR HYDROLOGY BEYOND THE PERMITTED AREA.
6. PROTECT SLOPES:
  - 6.1. INTERCEPT AND DIVERT STORM RUNOFF FROM UPSLOPE DRAINAGE AREAS AWAY FROM UNPROTECTED AND NEWLY ESTABLISHED AREAS AND SLOPES TO A STABILIZED OUTLET OR CONVEYANCE.
  - 6.2. CONSIDER HOW GROUNDWATER SEEPAGE ON CUT SLOPES MAY IMPACT SLOPE STABILITY AND INCORPORATE APPROPRIATE MEASURES TO MINIMIZE EROSION.
  - 6.3. CONVEY STORMWATER DOWN THE SLOPE IN A STABILIZED CHANNEL OR SLOPE DRAIN.
  - 6.4. THE OUTER FACE OF THE FILL SLOPE SHOULD BE IN A LOOSE RUFFLED CONDITION PRIOR TO TURF ESTABLISHMENT. TOPSOIL OR HUMUS LAYERS SHALL BE TRACKED UP AND DOWN THE SLOPE, DISKED, HARROWED, DRAGGED WITH A CHAIN OR MAT, MACHINE-RAKED, OR HAND-WORKED TO PRODUCE A RUFFLED SURFACE.
7. ESTABLISH STABILIZED CONSTRUCTION EXITS:
  - 7.1. INSTALL AND MAINTAIN CONSTRUCTION EXITS, ANYWHERE TRAFFIC LEAVES A CONSTRUCTION SITE ONTO A PUBLIC RIGHT-OF-WAY.
  - 7.2. SWEEP ALL CONSTRUCTION RELATED DEBRIS AND SOIL FROM THE ADJACENT PAVED ROADWAYS AS NECESSARY.
8. PROTECT STORM DRAIN INLETS:
  - 8.1. DIVERT SEDIMENT LADEN WATER AWAY FROM INLET STRUCTURES TO THE EXTENT POSSIBLE.
  - 8.2. INSTALL SEDIMENT BARRIERS AND SEDIMENT TRAPS AT INLETS TO PREVENT SEDIMENT FROM ENTERING THE DRAINAGE SYSTEM.
  - 8.3. CLEAN CATCH BASINS, DRAINAGE PIPES, AND CULVERTS IF SIGNIFICANT SEDIMENT IS DEPOSITED.
  - 8.4. DROP INLET SEDIMENT BARRIERS SHOULD NEVER BE USED AS THE PRIMARY MEANS OF SEDIMENT CONTROL AND SHOULD ONLY BE USED TO PROVIDE AN ADDITIONAL LEVEL OF PROTECTION TO STRUCTURES AND DOWN-GRADIENT SENSITIVE RECEPTORS.
9. SOIL STABILIZATION:
  - 9.1. WITHIN THREE DAYS OF THE LAST ACTIVITY IN AN AREA, ALL EXPOSED SOIL AREAS, WHERE CONSTRUCTION ACTIVITIES ARE COMPLETE, SHALL BE STABILIZED.
  - 9.2. IN ALL AREAS, TEMPORARY SOIL STABILIZATION MEASURES SHALL BE APPLIED IN ACCORDANCE WITH THE STABILIZATION REQUIREMENTS (SECTION 2.2) OF THE 2012 CGP. (SEE TABLE 1 FOR GUIDANCE ON THE SELECTION OF TEMPORARY SOIL STABILIZATION MEASURES.)
  - 9.3. EROSION CONTROL SEED MIX SHALL BE SOWN IN ALL INACTIVE CONSTRUCTION AREAS THAT WILL NOT BE PERMANENTLY SEEDED WITHIN TWO WEEKS OF DISTURBANCE AND PRIOR TO SEPTEMBER 15<sup>th</sup> OF ANY GIVEN YEAR, IN ORDER TO ACHIEVE VEGETATIVE STABILIZATION PRIOR TO THE END OF THE GROWING SEASON.
  - 9.4. SOIL TACKIFIERS MAY BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND REAPPLIED AS NECESSARY TO MINIMIZE SOIL AND MULCH LOSS UNTIL PERMANENT VEGETATION IS ESTABLISHED.
10. RETAIN SEDIMENT ON-SITE AND CONTROL DEWATERING PRACTICES:
  - 10.1. TEMPORARY SEDIMENT BASINS (CGP-SECTION 2.1.3.2) OR SEDIMENT TRAPS (ENV-WO 1506.10) SHALL BE SIZED TO RETAIN, ON SITE, THE VOLUME OF A 2-YEAR 24-HOUR STORM EVENT FOR ANY AREA OF DISTURBANCE OR 3,600 CUBIC FEET OF STORMWATER RUNOFF PER ACRE OF DISTURBANCE, WHICHEVER IS GREATER. TEMPORARY SEDIMENT BASINS USED TO TREAT STORMWATER RUNOFF FROM AREAS GREATER THAN 5-ACRES OF DISTURBANCE SHALL BE SIZED TO ALSO CONTROL STORMWATER RUNOFF FROM A 10-YEAR 24 HOUR STORM EVENT. ON-SITE RETENTION OF THE 10-YEAR 24-HOUR EVENT IS NOT REQUIRED.
  - 10.2. CONSTRUCT AND STABILIZE DEWATERING INFILTRATION BASINS PRIOR TO ANY EXCAVATION THAT MAY REQUIRE DEWATERING.
  - 10.3. TEMPORARY SEDIMENT BASINS OR TRAPS SHALL BE PLACED AND STABILIZED AT LOCATIONS WHERE CONCENTRATED FLOW (CHANNELS AND PIPES) DISCHARGE TO THE SURROUNDING ENVIRONMENT FROM AREAS OF UNSTABILIZED EARTH DISTURBING ACTIVITIES.

11. ADDITIONAL EROSION AND SEDIMENT CONTROL GENERAL PRACTICES:
  - 11.1. USE TEMPORARY MULCHING, PERMANENT MULCHING, TEMPORARY VEGETATIVE COVER, AND PERMANENT VEGETATIVE COVER TO REDUCE THE NEED FOR DUST CONTROL. USE MECHANICAL SWEEPERS ON PAVED SURFACES WHERE NECESSARY TO PREVENT DUST BUILDUP. APPLY WATER, OR OTHER DUST INHIBITING AGENTS OR TACKIFIERS, AS APPROVED BY THE NHDES.
  - 11.2. ALL STOCKPILES SHALL BE CONTAINED WITH TEMPORARY PERIMETER CONTROLS. INACTIVE SOIL STOCKPILES SHOULD BE PROTECTED WITH SOIL STABILIZATION MEASURES (TEMPORARY EROSION CONTROL SEED MIX AND MULCH, SOIL BINDER) OR COVERED WITH ANCHORED TARPS.
  - 11.3. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED IN ACCORDANCE WITH SECTION 645 OF NHDOT SPECIFICATIONS, WEEKLY AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.25 IN. OF RAIN PER 24-HOUR PERIOD. EROSION AND SEDIMENT CONTROL MEASURES WILL ALSO BE INSPECTED IN ACCORDANCE WITH THE GUIDANCE MEMO FROM THE NHDES CONTAINED WITHIN THE CONTRACT PROPOSAL AND THE EPA CONSTRUCTION GENERAL PERMIT.
  - 11.4. THE CONTRACTOR SHOULD UTILIZE STORM DRAIN INLET PROTECTION TO PREVENT SEDIMENT FROM ENTERING A STORM DRAINAGE SYSTEM PRIOR TO THE PERMANENT STABILIZATION OF THE CONTRIBUTING DISTURBED AREA.
  - 11.5. PERMANENT STABILIZATION MEASURES WILL BE CONSTRUCTED AND MAINTAINED IN LOCATIONS AS SHOWN ON THE CONSTRUCTION PLANS TO STABILIZE AREAS. VEGETATIVE STABILIZATION SHALL NOT BE CONSIDERED PERMANENTLY STABILIZED UNTIL VEGETATIVE GROWTH COVERS AT LEAST 85% OF THE DISTURBED AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL FOR ONE YEAR AFTER PROJECT COMPLETION.
  - 11.6. CATCH BASINS: CARE SHALL BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT ENTER ANY EXISTING CATCH BASINS DURING CONSTRUCTION. THE CONTRACTOR SHALL PLACE TEMPORARY STONE INLET PROTECTION OVER INLETS IN AREAS OF SOIL DISTURBANCE THAT ARE SUBJECT TO SEDIMENT CONTAMINATION.
  - 11.7. TEMPORARY AND PERMANENT DITCHES SHALL BE CONSTRUCTED, STABILIZED AND MAINTAINED IN A MANNER THAT WILL MINIMIZE SCOUR. TEMPORARY AND PERMANENT DITCHES SHALL BE DIRECTED TO DRAIN TO SEDIMENT BASINS OR STORM WATER COLLECTION AREAS.
  - 11.8. WINTER EXCAVATION AND EARTHWORK ACTIVITIES NEED TO BE LIMITED IN EXTENT AND DURATION, TO MINIMIZE POTENTIAL EROSION AND SEDIMENTATION IMPACTS. THE AREA OF EXPOSED SOIL SHALL BE LIMITED TO ONE ACRE, OR THAT WHICH CAN BE STABILIZED AT THE END OF EACH DAY UNLESS A WINTER CONSTRUCTION PLAN, DEVELOPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST, IS REVIEWED AND APPROVED BY THE DEPARTMENT.
  - 11.9. CHANNEL PROTECTION MEASURES SHALL BE SUPPLEMENTED WITH PERIMETER CONTROL MEASURES WHEN THE DITCH LINES OCCUR AT THE BOTTOM OF LONG FILL SLOPES. THE PERIMETER CONTROLS SHALL BE INSTALLED ON THE FILL SLOPE TO MINIMIZE THE POTENTIAL FOR FILL SLOPE SEDIMENT DEPOSITS IN THE DITCH LINE.

### BEST MANAGEMENT PRACTICES (BMP) BASED ON AMOUNT OF OPEN CONSTRUCTION AREA

12. STRATEGIES SPECIFIC TO OPEN AREAS LESS THAN 5 ACRES:
  - 12.1. THE CONTRACTOR SHALL COMPLY WITH RSA 485:A:17 AND ENV-WO 1500: ALTERATION OF TERRAIN FOR CONSTRUCTION AND USE ALL CONVENTIONAL BMP STRATEGIES.
  - 12.2. SLOPES STEEPER THAN 3:1 WILL RECEIVE TURF ESTABLISHMENT WITH MATTING.
  - 12.3. SLOPES 3:1 OR FLATTER WILL RECEIVE TURF ESTABLISHMENT ALONE.
  - 12.4. AREAS WHERE HAUL ROADS ARE CONSTRUCTED AND STORMWATER CANNOT BE TREATED THE DEPARTMENT WILL CONSIDER INFILTRATION.
  - 12.5. FOR HAUL ROADS ADJACENT TO SENSITIVE ENVIRONMENTAL AREAS OR STEEPER THAN 5%, THE DEPARTMENT WILL CONSIDER USING EROSION STONE, CRUSHED GRAVEL, OR CRUSHED STONE BASE TO HELP MINIMIZE EROSION ISSUES.
  - 12.6. ALL AREAS THAT CAN BE STABILIZED SHALL BE STABILIZED PRIOR TO OPENING UP NEW TERRITORY.
  - 12.7. DETENTION BASINS SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE A 2 YEAR STORM EVENT.
13. STRATEGIES SPECIFIC TO OPEN AREAS BETWEEN 5 AND 10 ACRES:
  - 13.1. THE CONTRACTOR SHALL COMPLY WITH RSA 485:A:17 AND ENV-WO 1500 ALTERATION OF TERRAIN AND SHALL USE CONVENTIONAL BMP STRATEGIES AND ALL TREATMENT OPTIONS USED FOR UNDER 5 ACRES WILL BE UTILIZED.
  - 13.2. DETENTION BASINS WILL BE CONSTRUCTED TO ACCOMMODATE THE 2-YEAR 24-HOUR STORM EVENT AND CONTROL A 10-YEAR 24-HOUR STORM EVENT.
  - 13.3. SLOPES STEEPER THAN A 3:1 WILL RECEIVE TURF ESTABLISHMENT WITH MATTING OR OTHER TEMPORARY SOIL STABILIZATION MEASURES DETAILED IN TABLE 1. THE CONTRACTOR MAY ALSO CONSIDER A SOIL BINDER IN ACCORDANCE WITH THE NHDES APPROVALS OR REGULATIONS. OTHER ALTERNATIVE MEASURES, SUCH AS BONDED FIBER MATRIXES (BFMS) OR FLEXIBLE GROWTH MEDIUMS (FGMS) MAY BE UTILIZED, IF MEETING THE NHDES APPROVALS AND REGULATIONS.
  - 13.4. SLOPES 3:1 OR FLATTER WILL RECEIVE TURF ESTABLISHMENT OR OTHER TEMPORARY SOIL STABILIZATION MEASURES DETAILED IN TABLE 1. THE CONTRACTOR MAY ALSO CONSIDER A SOIL BINDER IN ACCORDANCE WITH THE NHDES APPROVALS OR REGULATIONS.
14. STRATEGIES SPECIFIC TO OPEN AREAS OVER 10 ACRES:
  - 14.1. THE CONTRACTOR SHALL COMPLY WITH RSA 485:A:17 AND ENV-WO 1500 ALTERATION OF TERRAIN AND SHALL USE CONVENTIONAL BMP STRATEGIES AND ALL TREATMENT OPTIONS USED FOR UNDER 5 ACRES AND BETWEEN 5 AND 10 ACRES WILL BE UTILIZED.
  - 14.2. THE DEPARTMENT ANTICIPATES THAT SOIL BINDERS WILL BE NEEDED ON ALL SLOPES STEEPER THAN 3:1, IN ORDER TO MINIMIZE EROSION AND REDUCE THE AMOUNT OF SEDIMENT IN THE STORMWATER TREATMENT BASINS.
  - 14.3. THE CONTRACTOR WILL BE REQUIRED TO HAVE AN APPROVED DESIGN IN ACCORDANCE WITH ENV-WO 1506.12 FOR AN ACTIVE FLOCCULANT TREATMENT SYSTEM TO TREAT AND RELEASE WATER CAPTURED IN STORM WATER BASINS. THE CONTRACTOR SHALL ALSO RETAIN THE SERVICES OF AN ENVIRONMENTAL CONSULTANT WHO HAS DEMONSTRATED EXPERIENCE IN THE DESIGN OF FLOCCULANT TREATMENT SYSTEMS. THE CONSULTANT WILL ALSO BE RESPONSIBLE FOR THE IMPLEMENTATION AND MONITORING OF THE SYSTEM.

TABLE 1  
GUIDANCE ON SELECTING TEMPORARY SOIL STABILIZATION MEASURES

APPLICATION AREAS	DRY MULCH METHODS				HYDRAULICALLY APPLIED MULCHES <sup>2</sup>				ROLLED EROSION CONTROL BLANKETS <sup>3</sup>			
	HMT	WC	SG	CB	HM	SMM	BFM	FRM	SNSB	DNSB	DNSCB	DNCB
SLOPES <sup>1</sup>												
STEEPER THAN 2:1	NO	NO	YES	NO	NO	NO	NO	YES	NO	NO	NO	YES
2:1 SLOPE	YES <sup>1</sup>	YES <sup>1</sup>	YES	YES	NO	NO	YES	YES	NO	YES	YES	YES
3:1 SLOPE	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES	NO
4:1 SLOPE	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	NO
WINTER STABILIZATION	4T/AC	YES	YES	YES	NO	NO	YES	YES	YES	YES	YES	YES
CHANNELS												
LOW FLOW CHANNELS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES
HIGH FLOW CHANNELS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES

ABBREV.	STABILIZATION MEASURE	ABBREV.	STABILIZATION MEASURE	ABBREV.	STABILIZATION MEASURE
HMT	HAY MULCH & TACK	HM	HYDRAULIC MULCH	SNSB	SINGLE NET STRAW BLANKET
WC	WOOD CHIPS	SMM	STABILIZED MULCH MATRIX	DNSB	DOUBLE NET STRAW BLANKET
SG	STUMP GRINDINGS	BFM	BONDED FIBER MATRIX	DNSCB	2 NET STRAW-COCONUT BLANKET
CB	COMPOST BLANKET	FRM	FIBER REINFORCED MEDIUM	DNCB	2 NET COCONUT BLANKET

- NOTES:
1. ALL SLOPE STABILIZATION OPTIONS ASSUME A SLOPE LENGTH ≤10 TIMES THE HORIZONTAL DISTANCE COMPONENT OF THE SLOPE, IN FEET.
  2. PRODUCTS CONTAINING POLYACRYLAMIDE (PAM) SHALL NOT BE APPLIED DIRECTLY TO OR WITHIN 100 FEET OF ANY SURFACE WATER WITHOUT PRIOR WRITTEN APPROVAL FROM THE NH DEPARTMENT OF ENVIRONMENTAL SERVICES.
  3. ALL EROSION CONTROL BLANKETS SHALL BE MADE WITH WILDLIFE FRIENDLY BIODEGRADABLE NETTING.

SDR PROCESSED	NEW DESIGN	SHEET CHECKED	AS BUILT DETAILS
REVISIONS AFTER PROPOSAL	STATION	DATE	NUMBER
DESCRIPTION	STATION	DATE	NUMBER
UPDATE PER NHDOT COMMENTS.	STATION	DATE	NUMBER

STATE OF NEW HAMPSHIRE

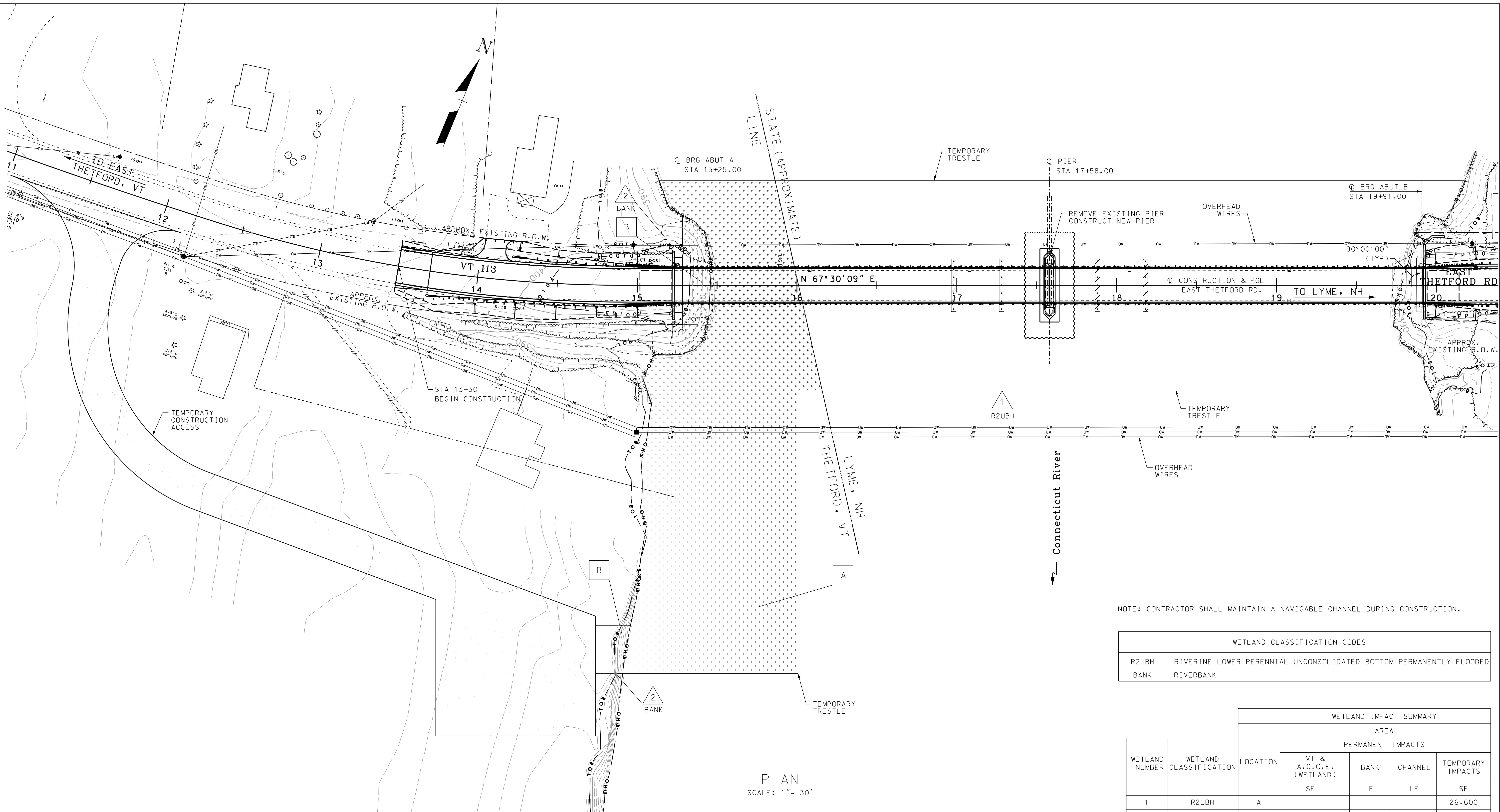
DEPARTMENT OF TRANSPORTATION • BUREAU OF BRIDGE DESIGN

## EROSION CONTROL STRATEGIES AND STABILIZATION MATRIX

REVISION DATE	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
12-21-2015	08_EroNotes	14460	6	13



SDR PROCESSED	DATE	REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NEW DESIGN	DATE	1	-	UPDATE PER NHDOT COMMENTS.
SHEET CHECKED	DATE			
AS BUILT DETAILS	DATE			



PLAN  
SCALE: 1" = 30'

**LEGEND**

TYPE OF WETLAND IMPACT	SHADING/HATCHING	#	WETLAND DESIGNATION NUMBER
VERMONT WETLANDS BUREAU & ARMY CORP OF ENGINEERS (PERMANENT WETLAND)	[Solid Grey]	#	WETLAND IMPACT LOCATION
TEMPORARY IMPACTS	[Dotted]	#	WETLAND MITIGATION AREA
	[White]		MITIGATION



NOTE: CONTRACTOR SHALL MAINTAIN A NAVIGABLE CHANNEL DURING CONSTRUCTION.

WETLAND CLASSIFICATION CODES	
R2UBH	RIVERINE LOWER PERENNIAL UNCONSOLIDATED BOTTOM PERMANENTLY FLOODED
BANK	RIVERBANK

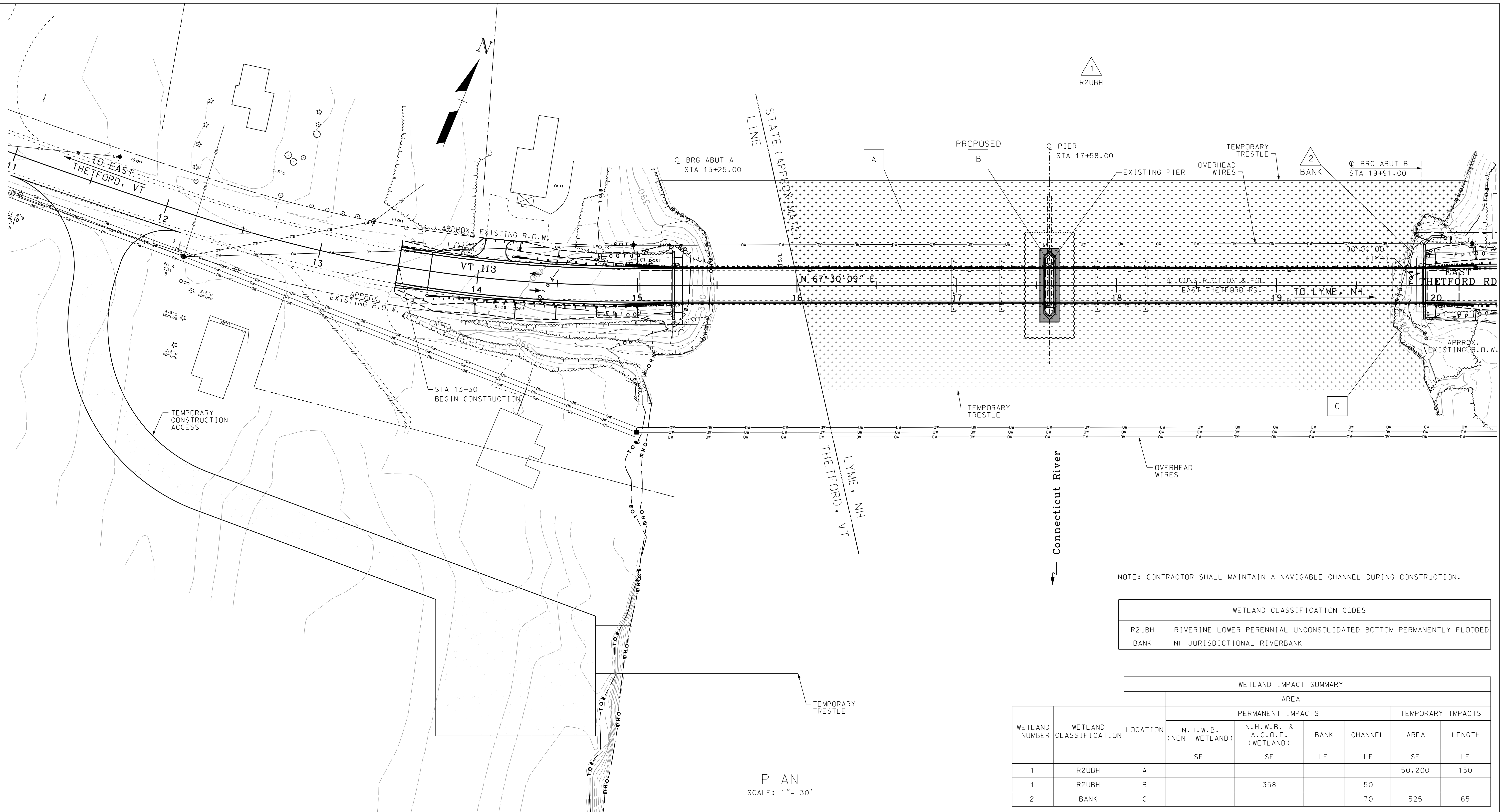
WETLAND IMPACT SUMMARY						
WETLAND NUMBER	WETLAND CLASSIFICATION	LOCATION	AREA			
			PERMANENT IMPACTS			
			VT & A.C.D.E. (WETLAND)	BANK	CHANNEL	TEMPORARY IMPACTS
1	R2UBH	A	SF	LF	LF	SF
2	BANK	B			110	1,300

NET PERMANENT (WETLAND) IMPACTS: 0  
 PERMANENT (NON-WETLAND) IMPACTS: 0  
 TEMPORARY IMPACTS: 27,900  
 TOTAL IMPACTS: 27,900

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF BRIDGE DESIGN			
<b>WETLAND IMPACT PLAN VT</b>			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
09_W Im_VT	14460	7	13



SDR PROCESSED	DATE	REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NEW DESIGN	DATE	1	-	UPDATE PER NHDOT COMMENTS.
SHEET CHECKED	DATE			
AS BUILT DETAILS	DATE			



NOTE: CONTRACTOR SHALL MAINTAIN A NAVIGABLE CHANNEL DURING CONSTRUCTION.

WETLAND CLASSIFICATION CODES	
R2UBH	RIVERINE LOWER PERENNIAL UNCONSOLIDATED BOTTOM PERMANENTLY FLOODED
BANK	NH JURISDICTIONAL RIVERBANK

WETLAND IMPACT SUMMARY								
WETLAND NUMBER	WETLAND CLASSIFICATION	LOCATION	AREA				TEMPORARY IMPACTS	
			PERMANENT IMPACTS				AREA	LENGTH
			N.H.W.B. (NON-WETLAND)	N.H.W.B. & A.C.O.E. (WETLAND)	BANK	CHANNEL		
SF	SF	LF	LF	SF	LF			
1	R2UBH	A					50,200	130
1	R2UBH	B		358		50		
2	BANK	C				70	525	65

NET PERMANENT (WETLAND) IMPACTS: 358  
 PERMANENT (NON-WETLAND) IMPACTS: 0  
 TEMPORARY IMPACTS: 50,725  
 TOTAL IMPACTS: 51,083

PLAN  
SCALE: 1" = 30'

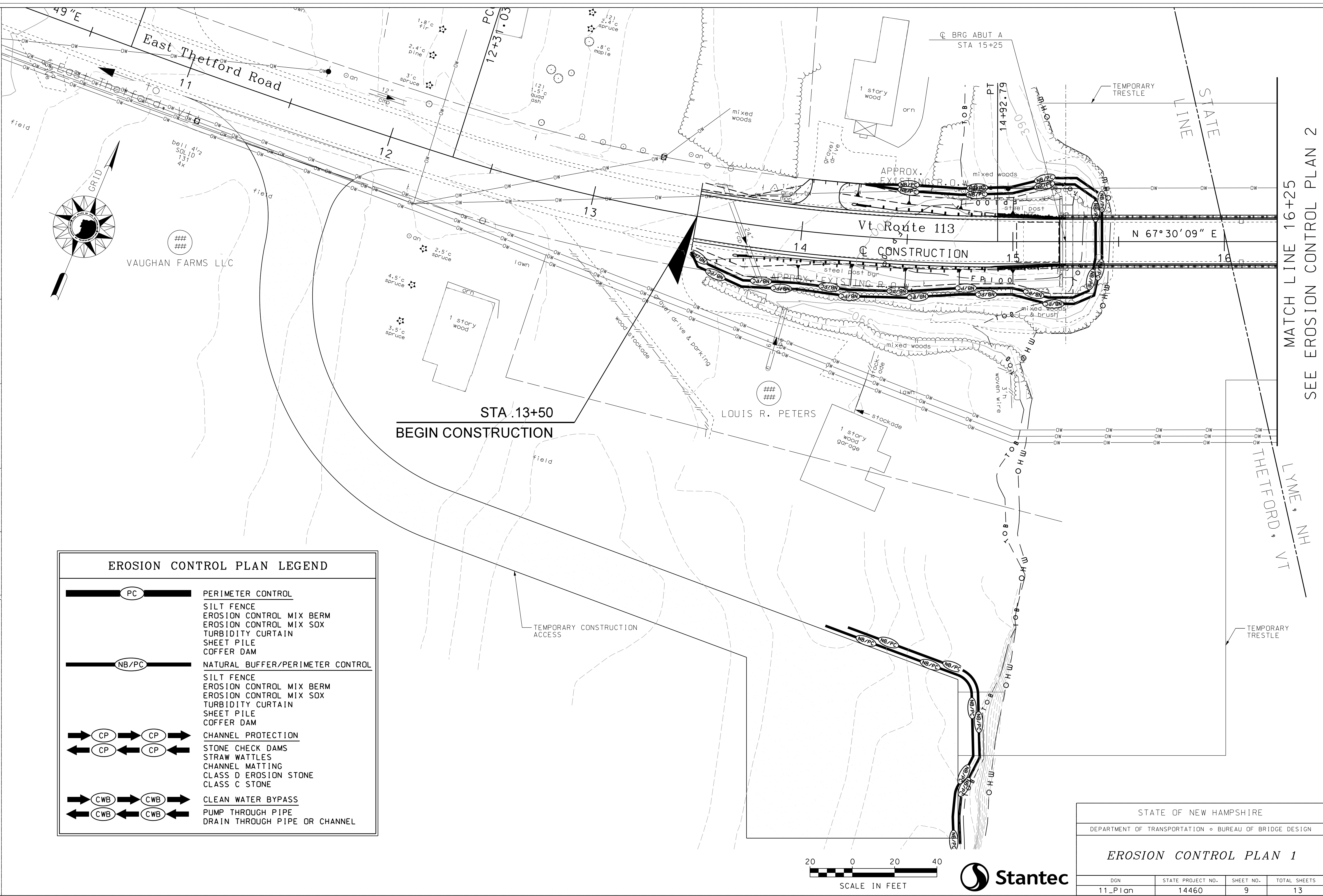
TYPE OF WETLAND IMPACT	SHADING/HATCHING	SYMBOL	DESCRIPTION
NEW HAMPSHIRE WETLANDS BUREAU (PERMANENT NON-WETLAND)	[White Box]	#	WETLAND DESIGNATION NUMBER
NEW HAMPSHIRE WETLANDS BUREAU & ARMY CORP OF ENGINEERS (PERMANENT WETLAND)	[Grey Box]	#	WETLAND IMPACT LOCATION
TEMPORARY IMPACTS	[Dotted Box]	#	WETLAND MITIGATION AREA
	[White Box]	[White Box]	MITIGATION



STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF BRIDGE DESIGN			
<b>WETLAND IMPACT PLAN N.H.</b>			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
10_W Im_NH	14460	8	13



SDR PROCESSED	DATE	REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NEW DESIGN	DATE	1	-	UPDATE PER NHDOT COMMENTS.
SHEET CHECKED	DATE	04/17/19	-	
AS BUILT DETAILS	DATE			



EROSION CONTROL PLAN LEGEND	
	<b>PERIMETER CONTROL</b> SILT FENCE EROSION CONTROL MIX BERM EROSION CONTROL MIX SOX TURBIDITY CURTAIN SHEET PILE COFFER DAM
	<b>NATURAL BUFFER/PERIMETER CONTROL</b> SILT FENCE EROSION CONTROL MIX BERM EROSION CONTROL MIX SOX TURBIDITY CURTAIN SHEET PILE COFFER DAM
	<b>CHANNEL PROTECTION</b> STONE CHECK DAMS STRAW WATTLES CHANNEL MATTING CLASS D EROSION STONE CLASS C STONE
	<b>CLEAN WATER BYPASS</b> PUMP THROUGH PIPE DRAIN THROUGH PIPE OR CHANNEL

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF BRIDGE DESIGN			
<b>EROSION CONTROL PLAN 1</b>			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
11_Plan	14460	9	13

MATCH LINE 16+25  
 SEE EROSION CONTROL PLAN 2



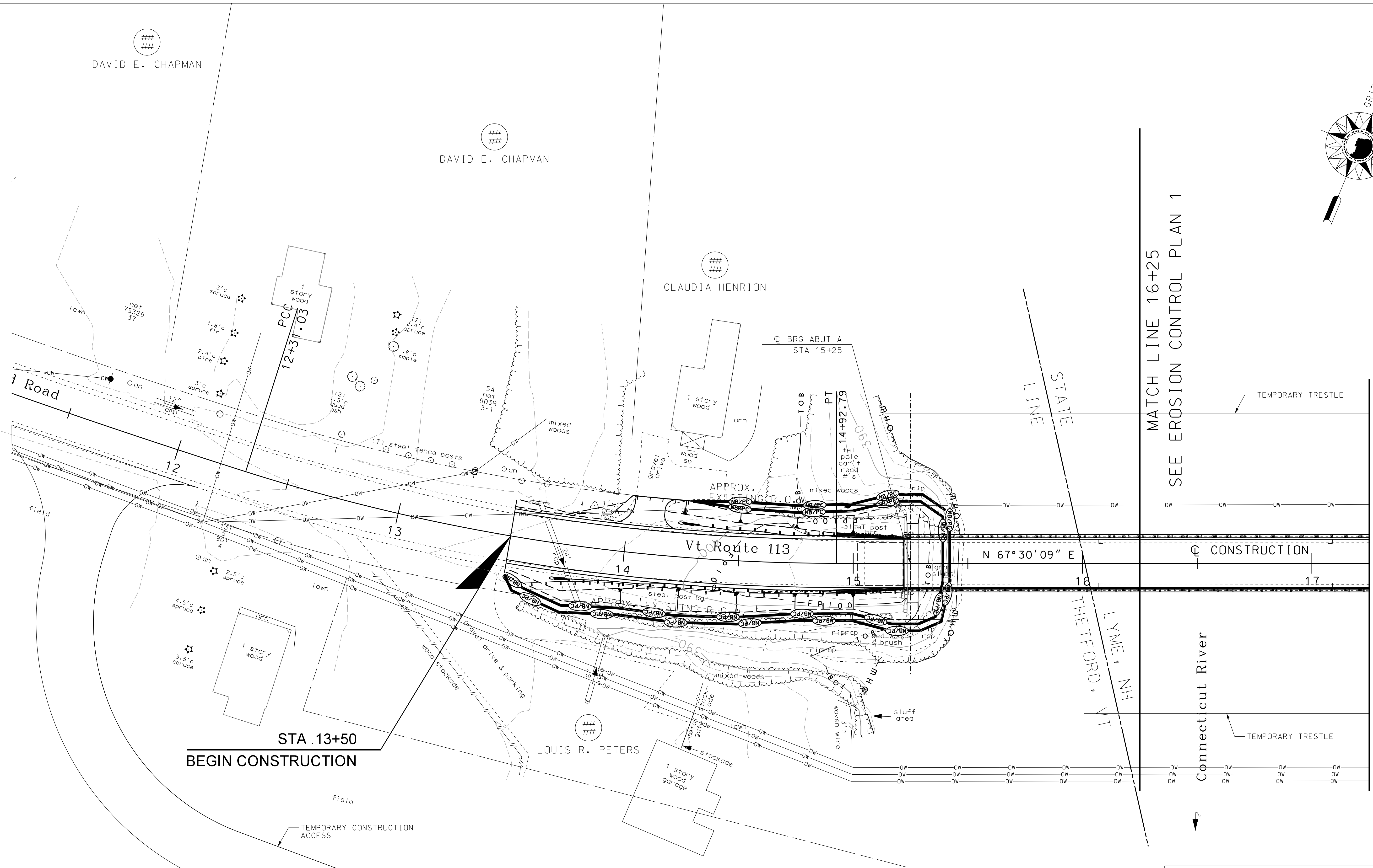
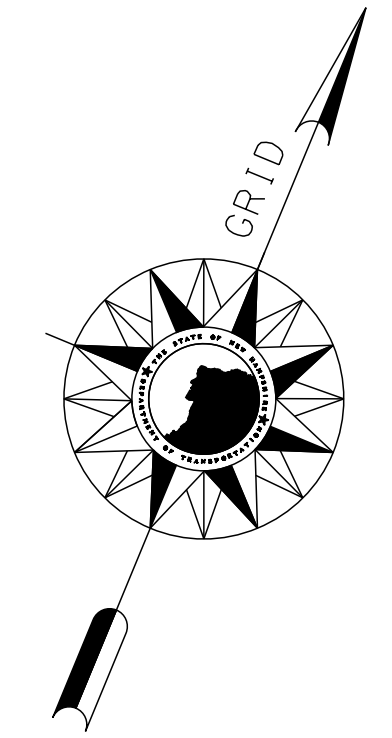
SDR PROCESSED	DATE	NUMBER	DATE	STATION	DESCRIPTION
NEW DESIGN	DATE	1	04/17/19	-	UPDATE PER NHDOT COMMENTS.
SHEET CHECKED	DATE				
AS BUILT DETAILS	DATE				

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DAVID E. CHAPMAN

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DAVID E. CHAPMAN

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CLAUDIA HENRION

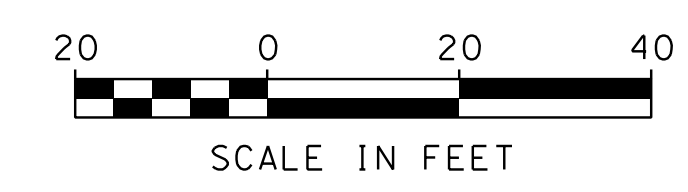
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LOUIS R. PETERS



MATCH LINE 16+25  
SEE EROSION CONTROL PLAN 1

MATCH LINE 17+25  
SEE EROSION CONTROL PLAN 3

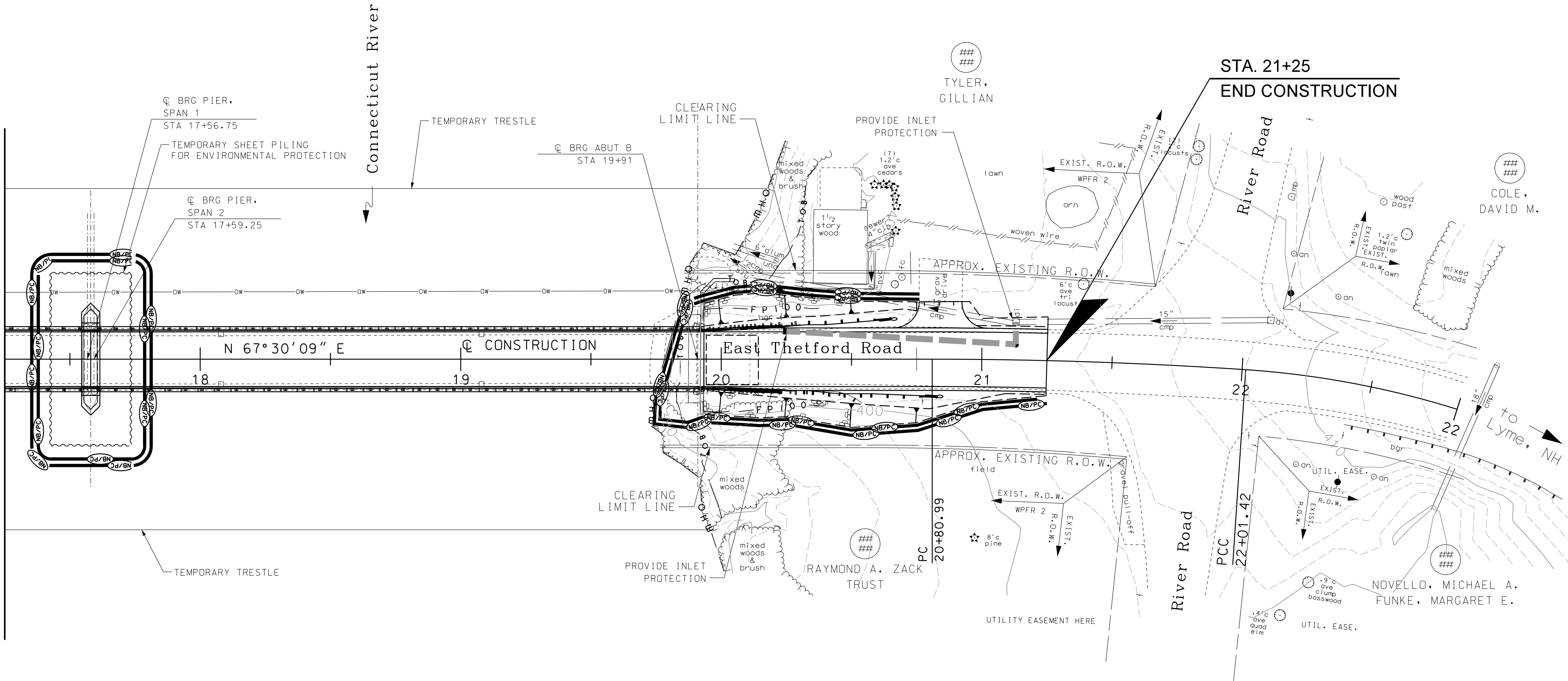
STA .13+50  
BEGIN CONSTRUCTION



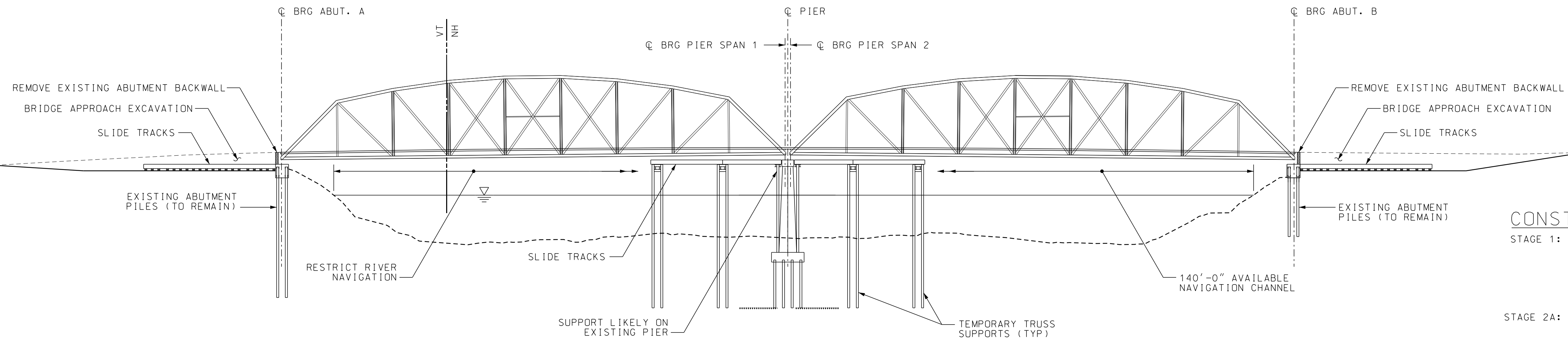
STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF BRIDGE DESIGN			
<b>EROSION CONTROL PLAN 2</b>			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
12_Plan	14460	10	13

SDR PROCESSED	DATE	REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NEW DESIGN	DATE			
SHEET CHECKED	DATE			
AS BUILT DETAILS	DATE			

MATCH LINE 17+25  
SEE EROSION CONTROL PLAN 2



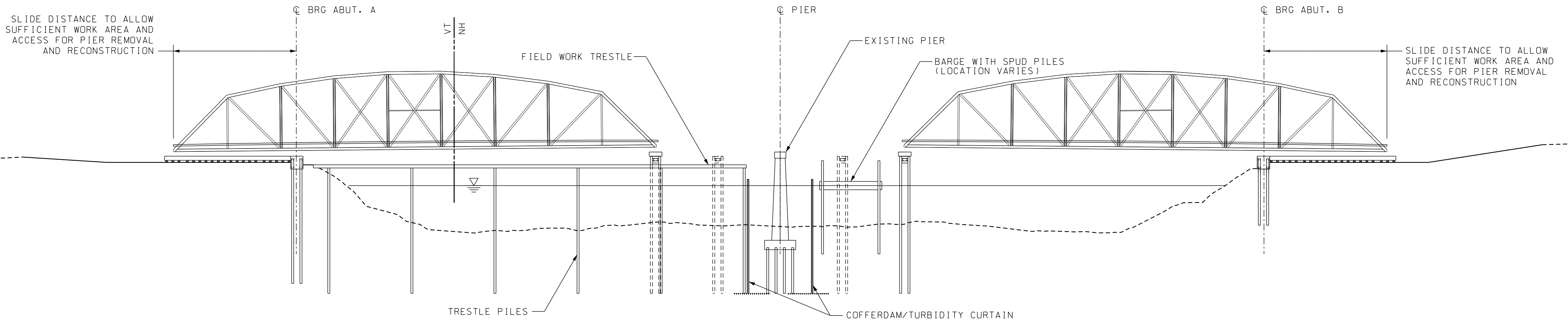
STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF BRIDGE DESIGN			
<b>EROSION CONTROL PLAN 3</b>			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
13_Plan	14460	11	13



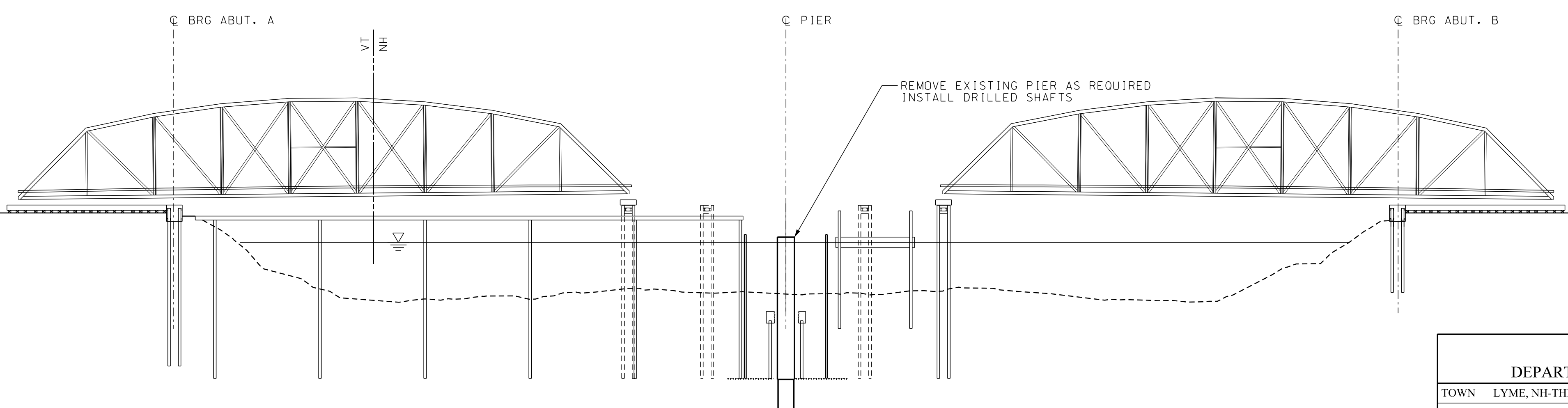
**STAGE 1**  
SCALE: 1" = 30'

**CONSTRUCTION SEQUENCE**

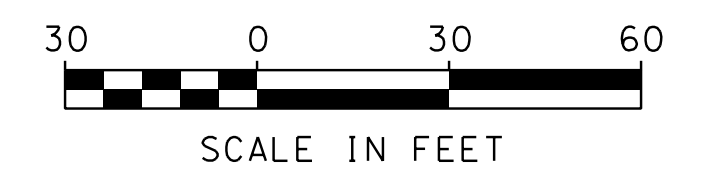
- STAGE 1: 1. DETOUR TRAFFIC AND CLOSE BRIDGE.  
 2. BUILD ACCESS ROAD AND STAGING AREA.  
 3. BEGIN TRESTLE CONSTRUCTION AND LAUNCH BARGE.  
 4. CONSTRUCT TEMPORARY TRUSS SUPPORT BENTS.  
 5. EXCAVATE BRIDGE APPROACHES.  
 6. CONSTRUCT SLIDE TRACKS OVER WATER FROM BARGE.  
 7. CONSTRUCT SLIDE TRACKS BEHIND EXISTING ABUTMENTS.
- STAGE 2A: 1. SLIDE TRUSSES TO TEMPORARY LOCATIONS.  
 2. COMPLETE TRESTLE.  
 3. REMOVE INTERMEDIATE SLIDE TRACK SUPPORTS OVER WATER AS REQUIRED FROM BARGE OR TRESTLE.  
 4. INSTALL COFFERDAM/TURBIDITY CURTAIN AROUND EXISTING PIER FROM BARGE OR TRESTLE.  
 5. REMOVE EXISTING BRIDGE DECK.
- STAGE 2B: 1. REMOVE EXISTING PIER FROM BARGE OR TRESTLE.  
 2. INSTALL DRILLED SHAFTS.  
 3. REPLACE STRUCTURAL STEEL TRUSS MEMBERS.



**STAGE 2A**  
SCALE: 1" = 30'



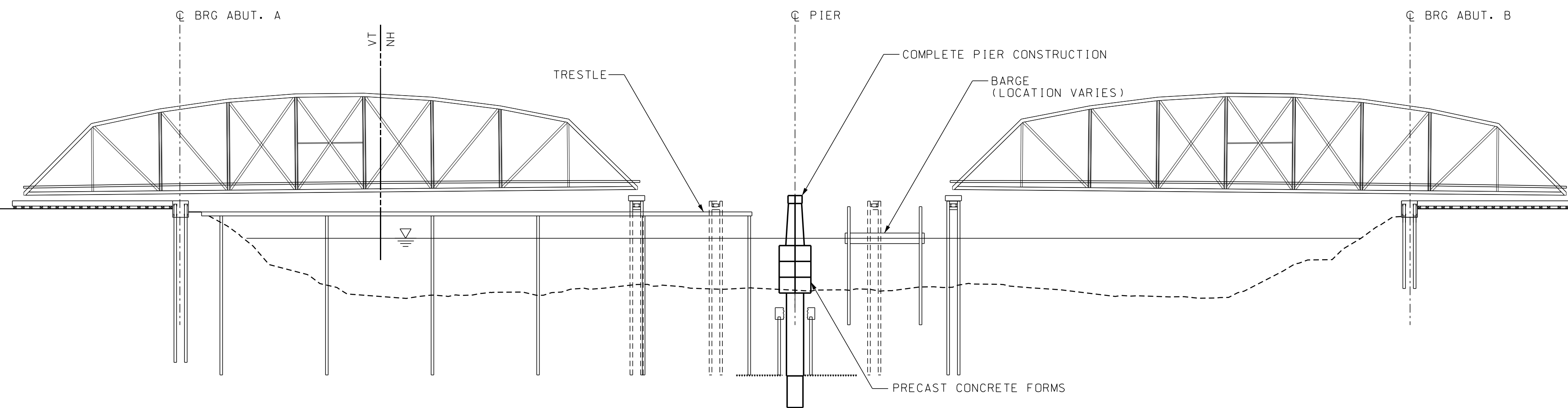
**STAGE 2B**  
SCALE: 1" = 30'



<b>STATE OF NEW HAMPSHIRE</b>									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	LYME, NH-THETFORD, VT	BRIDGE NO.	053/112	STATE PROJECT	14460				
LOCATION	EAST THETFORD ROAD OVER THE CONNECTICUT RIVER								
<b>CONSTRUCTION SEQUENCE 1</b>									
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BY	DATE	BRIDGE SHEET		
		DESIGNED	JGS	1/2019	CHECKED		OF		
		DRAWN	LRB	1/2019	CHECKED		FILE NUMBER		
		QUANTITIES			CHECKED		1-14-2-6		
		ISSUE DATE			FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS		
		REV. DATE	04/17/19			12	13		



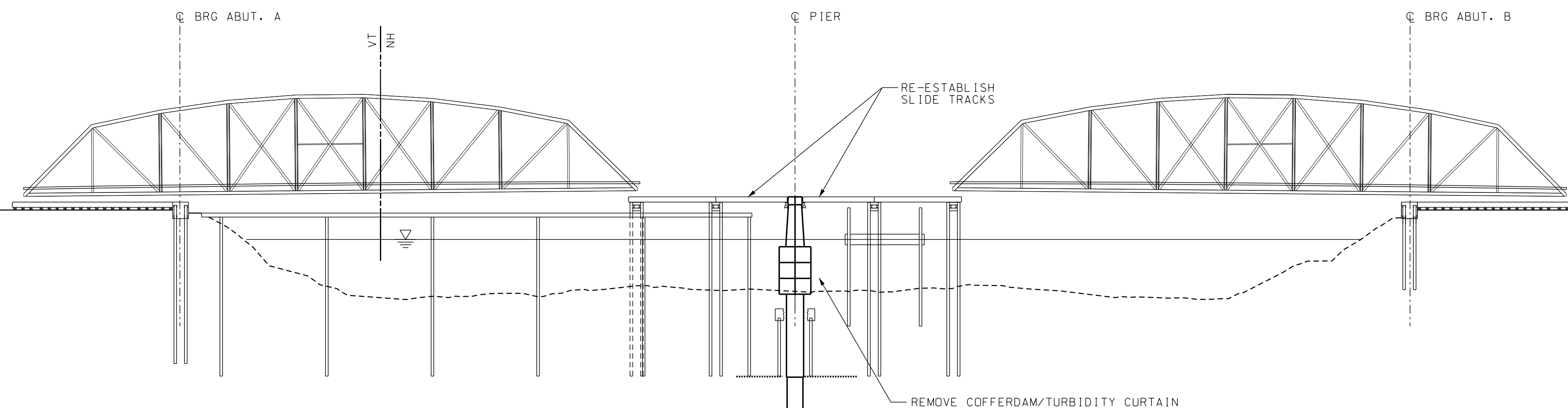
SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
BRC	11_const_seq	AS NOTED



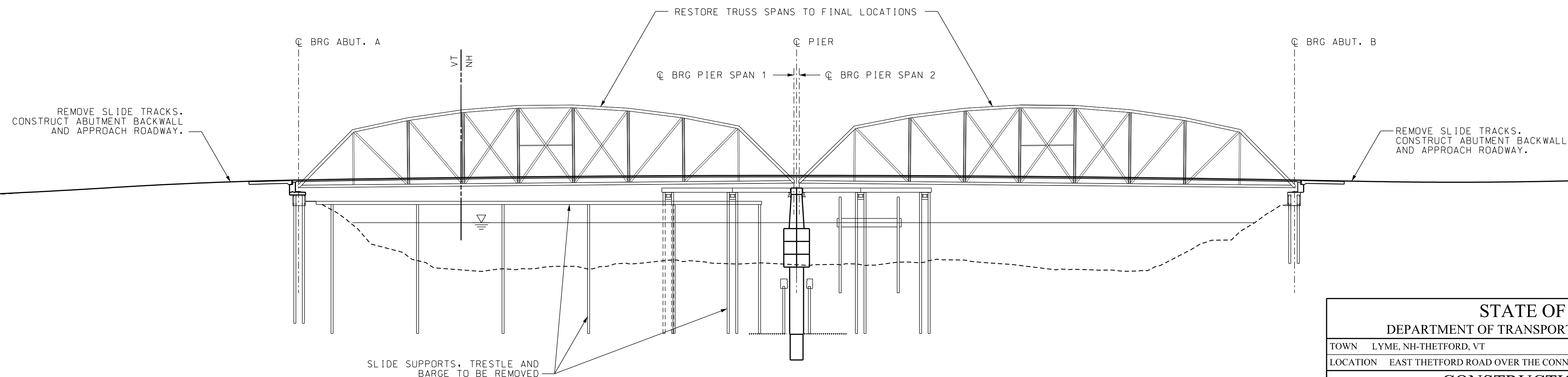
STAGE 2C  
SCALE: 1" = 30'

CONSTRUCTION SEQUENCE (CONTINUED)

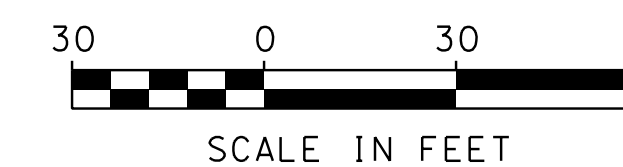
- STAGE 2C: 1. INSTALL PRECAST CONCRETE FOOTING FORMS.  
2. CONSTRUCT PROPOSED PIER.  
3. CONSTRUCT PROPOSED BRIDGE DECK.
- STAGE 2D: 1. REMOVE COFFERDAM/TURBIDITY CURTAIN FROM BARGE OR TRESTLE.  
2. REMOVE PORTIONS OF TRESTLE AS REQUIRED.  
3. RESTORE INTERMEDIATE SLIDE TRACK SUPPORTS OVER WATER AS REQUIRED FROM BARGE OR TRESTLE.  
4. CONSTRUCT PROPOSED ABUTMENT BEAM SEATS.
- STAGE 3: 1. SLIDE TRUSSES TO FINAL LOCATIONS.  
2. REMOVE SLIDE TRACKS OVER WATER FROM BARGE.  
3. REMOVE SLIDE TRACKS BEHIND ABUTMENTS.  
4. CONSTRUCT ABUTMENT BACKWALLS.  
5. COMPLETE BRIDGE DECK CONSTRUCTION.  
6. BACKFILL BRIDGE APPROACHES.  
7. REMOVE TRESTLE AND BARGE.  
8. COMPLETE BRIDGE AND APPROACH CONSTRUCTION.  
9. RESTORE TRAFFIC OVER BRIDGE PRIOR TO WINTER SHUTDOWN.
- STAGE 4: 1. DETOUR TRAFFIC AND CLOSE BRIDGE.  
2. BRIDGE PAINTING OPERATIONS TO BE PERFORMED FROM BRIDGE SUPERSTRUCTURE.  
3. RESTORE TRAFFIC OVER BRIDGE.



STAGE 2D  
SCALE: 1" = 30'



STAGE 3  
SCALE: 1" = 30'



STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	LYME, NH-THETFORD, VT	BRIDGE NO.	053/112	STATE PROJECT	14460	BRIDGE SHEET			
LOCATION	EAST THETFORD ROAD OVER THE CONNECTICUT RIVER								
CONSTRUCTION SEQUENCE 2									
REVISIONS AFTER PROPOSAL	BY	DATE	CHECKED	BY	DATE	OF			
	JGS	1/2019	CHECKED			FILE NUMBER			
	LRB	1/2019	CHECKED			1-14-2-6			
			CHECKED			TOTAL SHEETS			
ISSUE DATE		FEDERAL PROJECT NO.		SHEET NO.		13			
REV. DATE	04/17/19					13			



SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
BRC	12_const_seq	AS NOTED