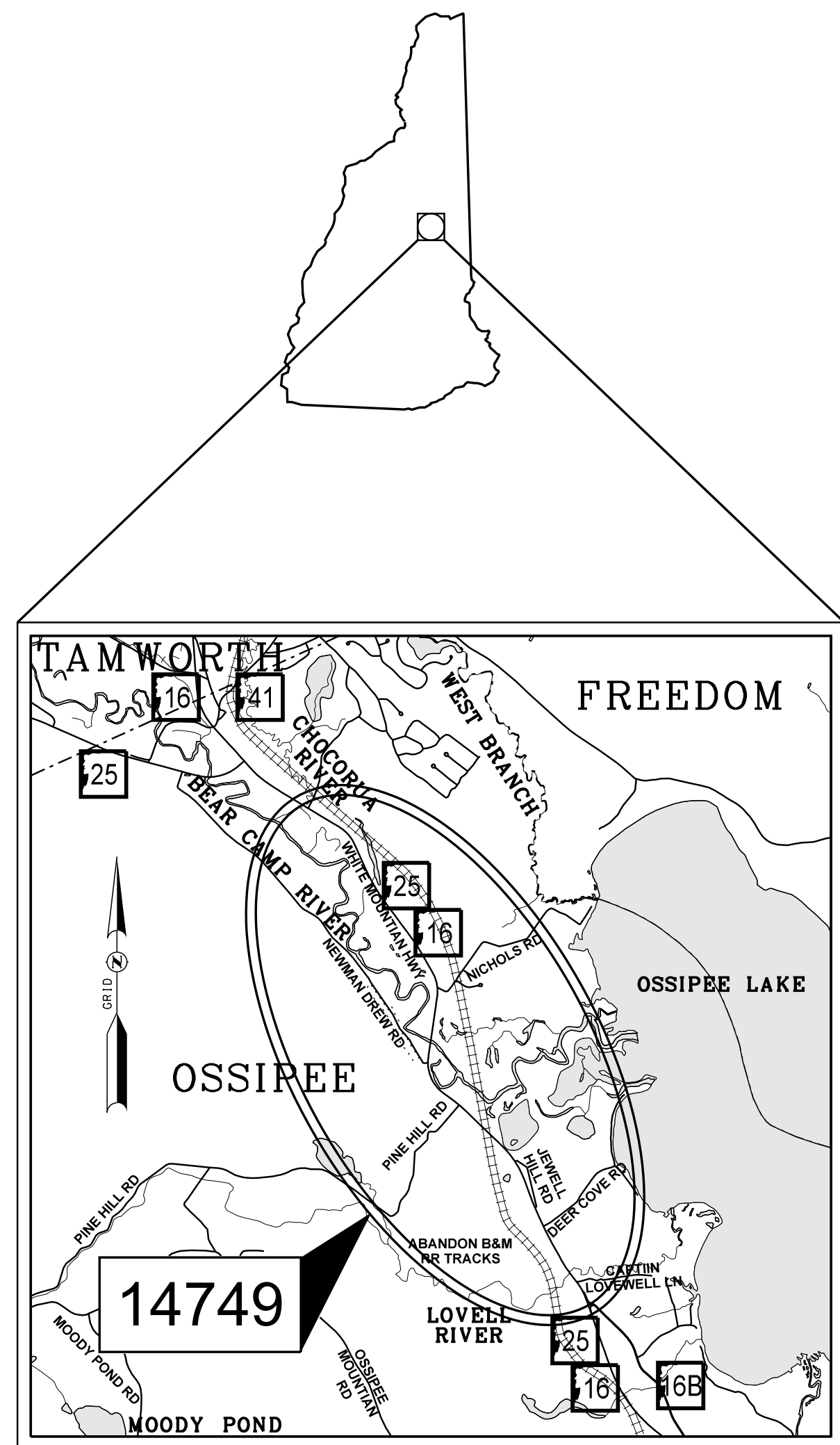


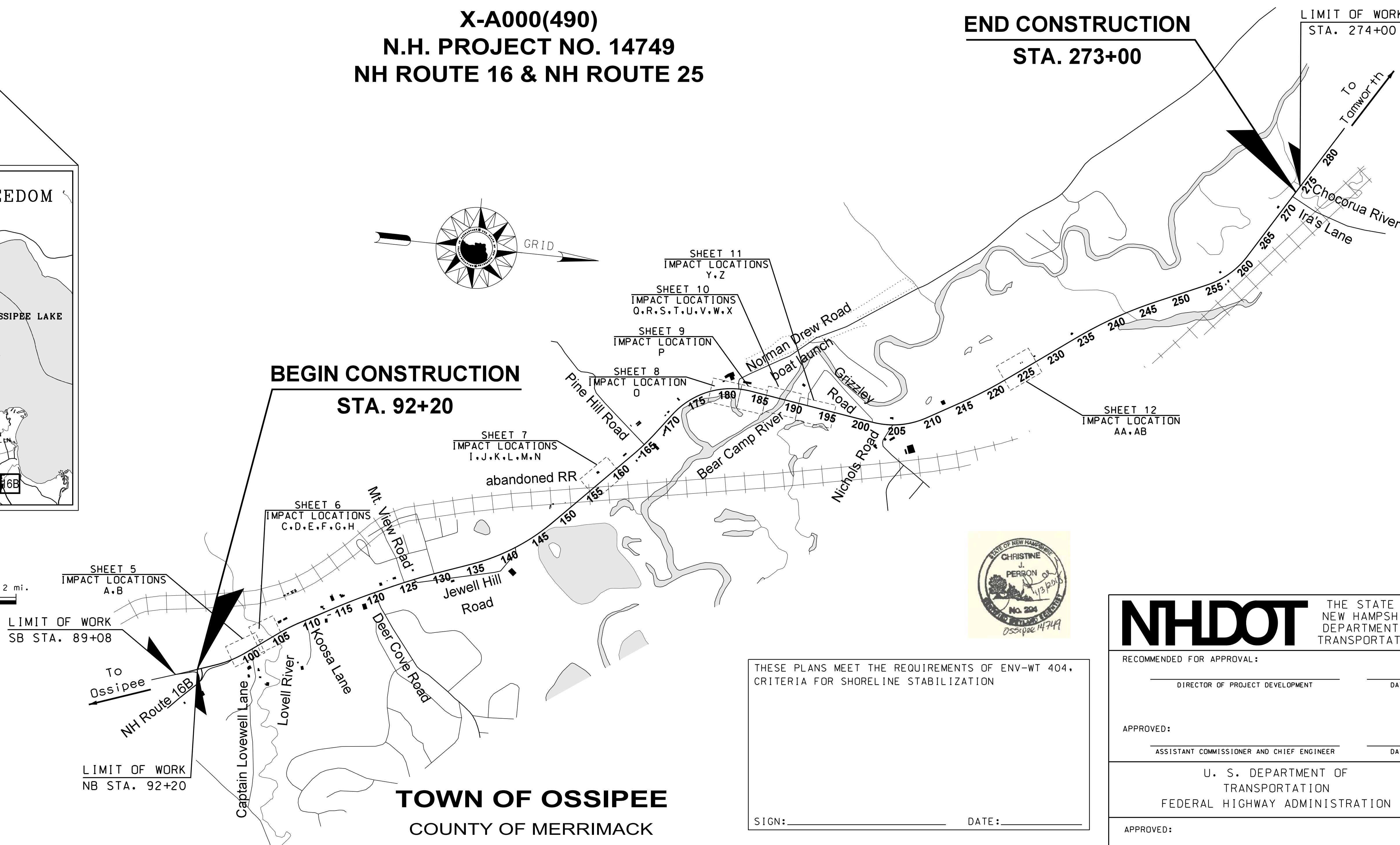
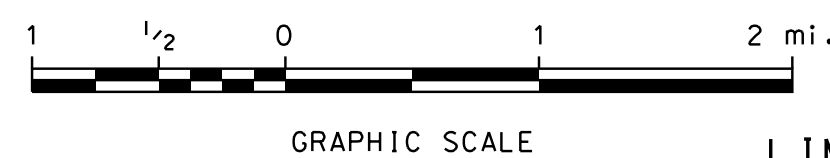
STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION  
**WETLANDS PLANS**  
**FEDERAL AID PROJECT**

X-A000(490)  
N.H. PROJECT NO. 14749  
NH ROUTE 16 & NH ROUTE 25

**END CONSTRUCTION**  
STA. 273+00



LOCATION MAP



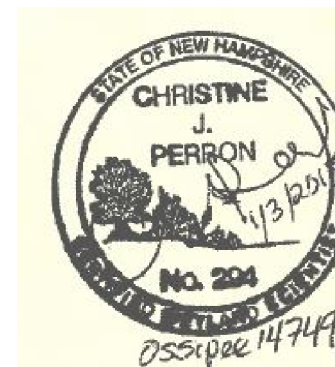
**TOWN OF OSSIPEE**  
COUNTY OF MERRIMACK

SCALE: 1" = 800'

FOR CONSTRUCTION AND ALIGNMENT DETAILS - SEE CONSTRUCTION PLANS

THESE PLANS MEET THE REQUIREMENTS OF ENV-WT 404,  
CRITERIA FOR SHORELINE STABILIZATION

SIGN: \_\_\_\_\_ DATE: \_\_\_\_\_



**INDEX OF SHEETS**

- 1 FRONT SHEET
- 2-3 STANDARD SYMBOLS SHEETS
- 4-12 WETLAND IMPACT PLANS
- 13-28 EROSION CONTROL PLANS

WETLANDS DELINEATED BY CHRISTINE PERRON  
AND STEVE HOFFMANN IN AUGUST 2016

**NH DOT** THE STATE OF  
NEW HAMPSHIRE  
DEPARTMENT OF  
TRANSPORTATION

RECOMMENDED FOR APPROVAL:  
\_\_\_\_\_  
DIRECTOR OF PROJECT DEVELOPMENT DATE

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

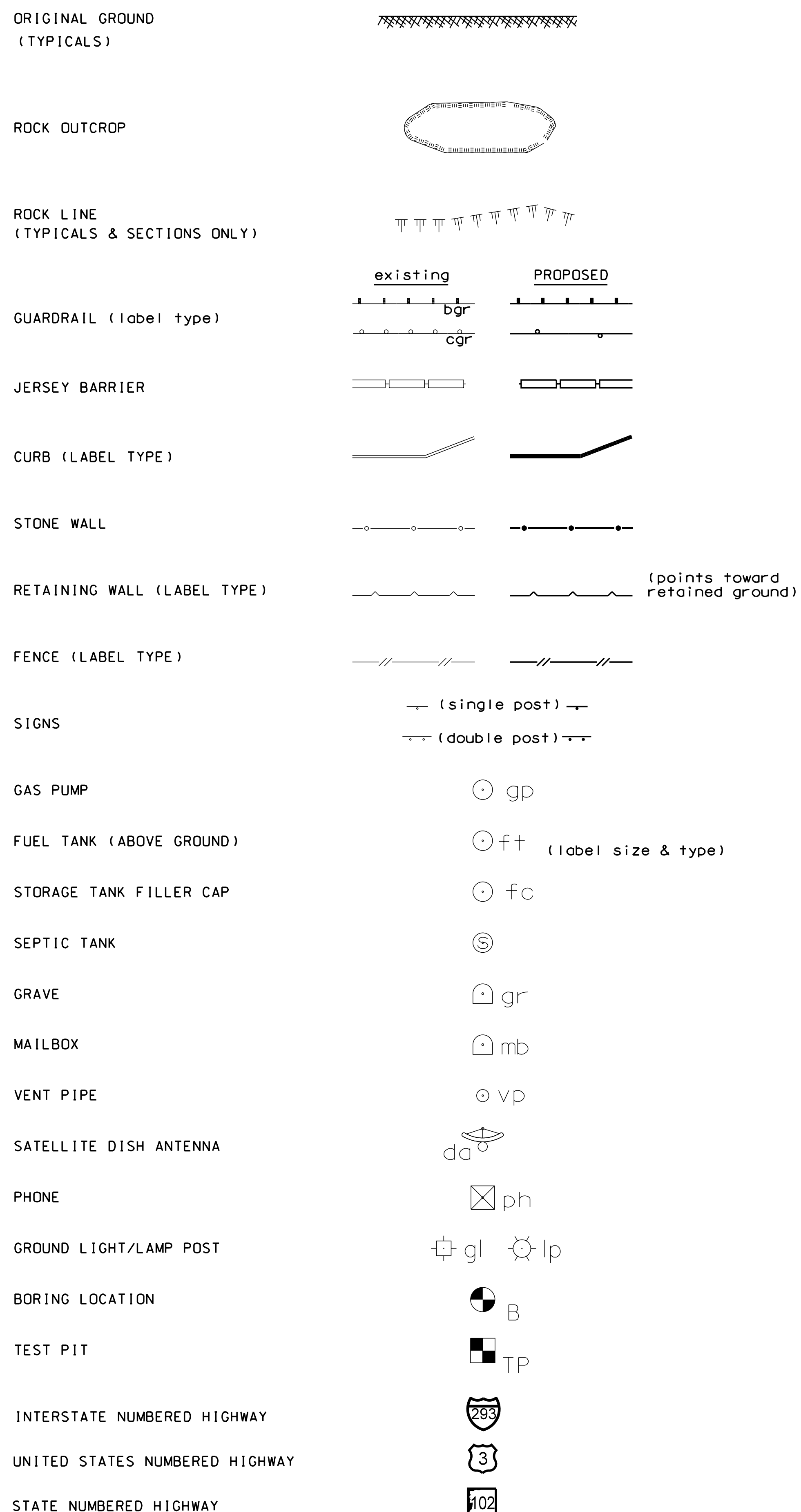
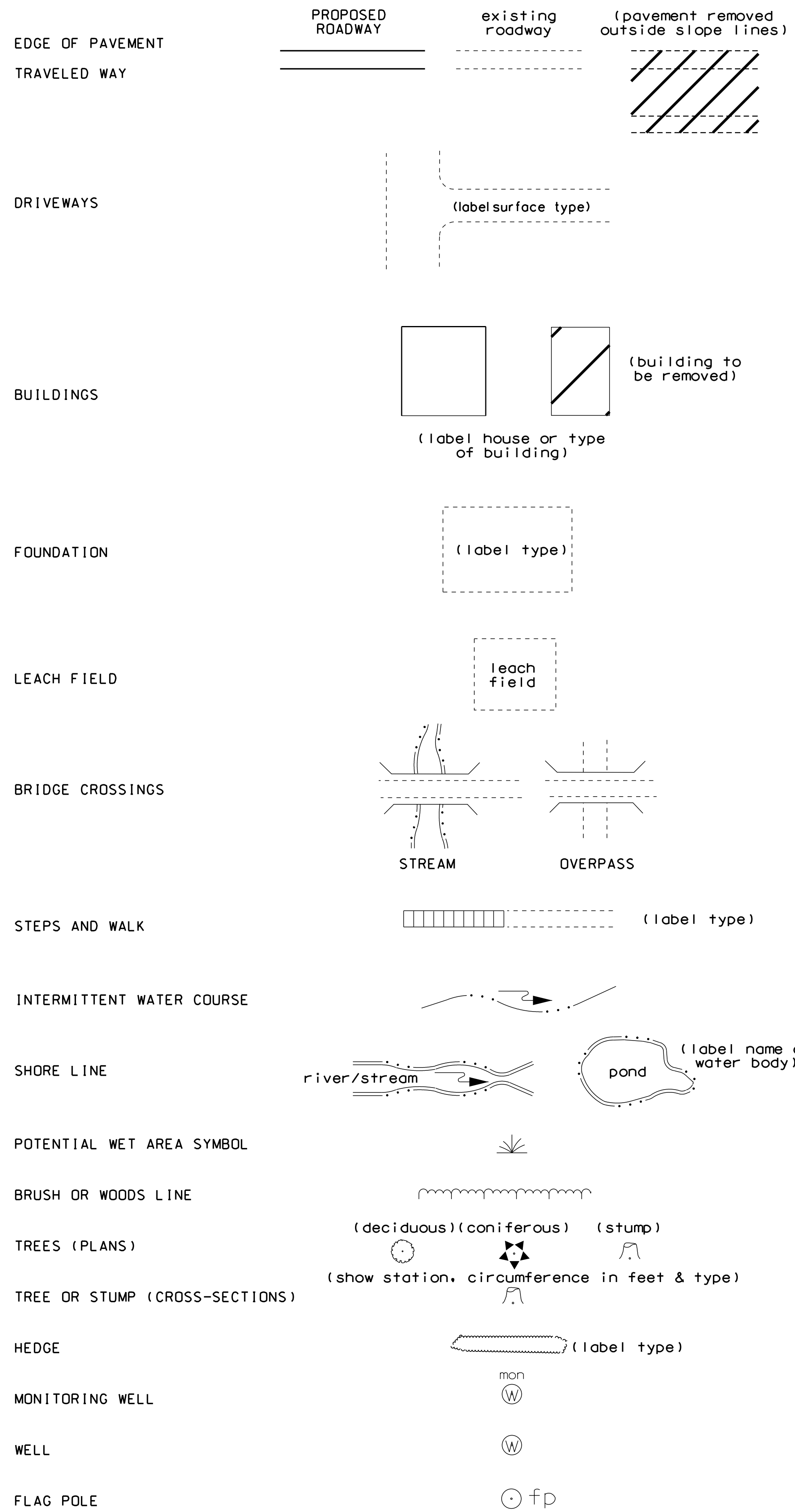
U. S. DEPARTMENT OF  
TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:  
\_\_\_\_\_  
DIVISION ADMINISTRATOR DATE

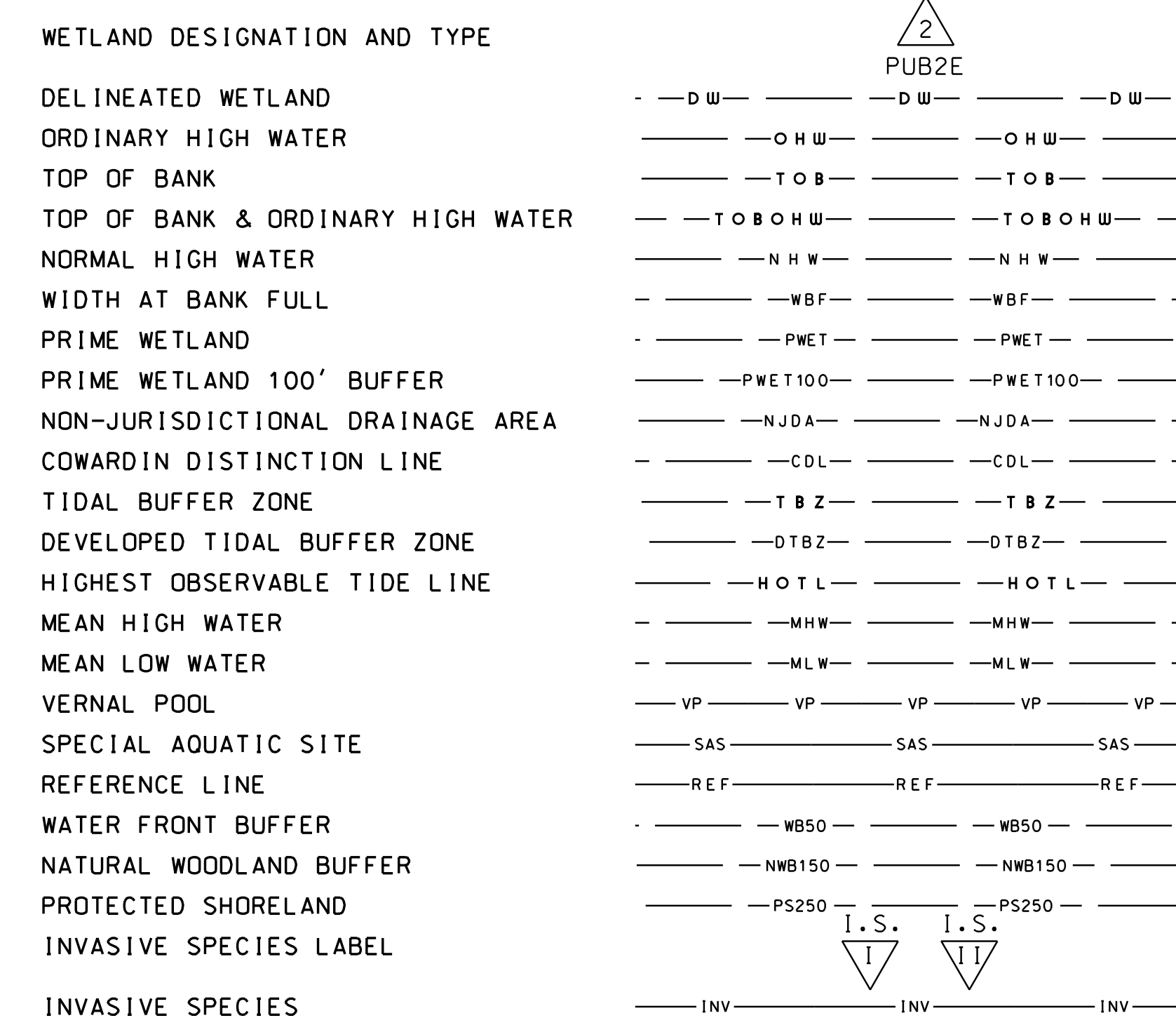
FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
X-A000(490)	14749	1	28

DRAWN BY P. BROGAN DATE 2/18  
CHECKED BY J. TREMBLAY DATE 2/18

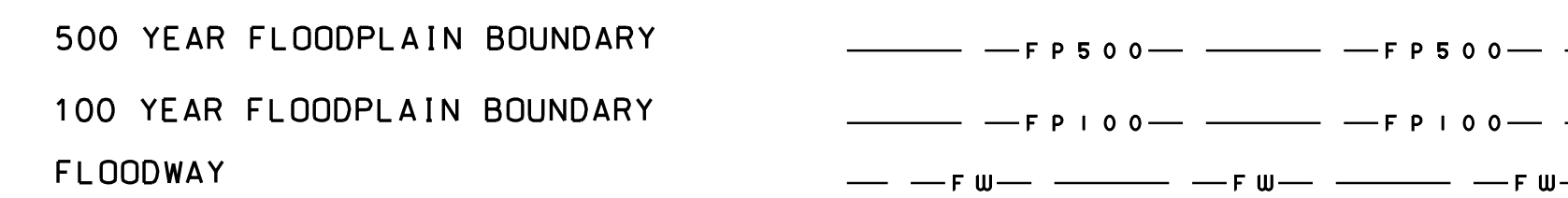
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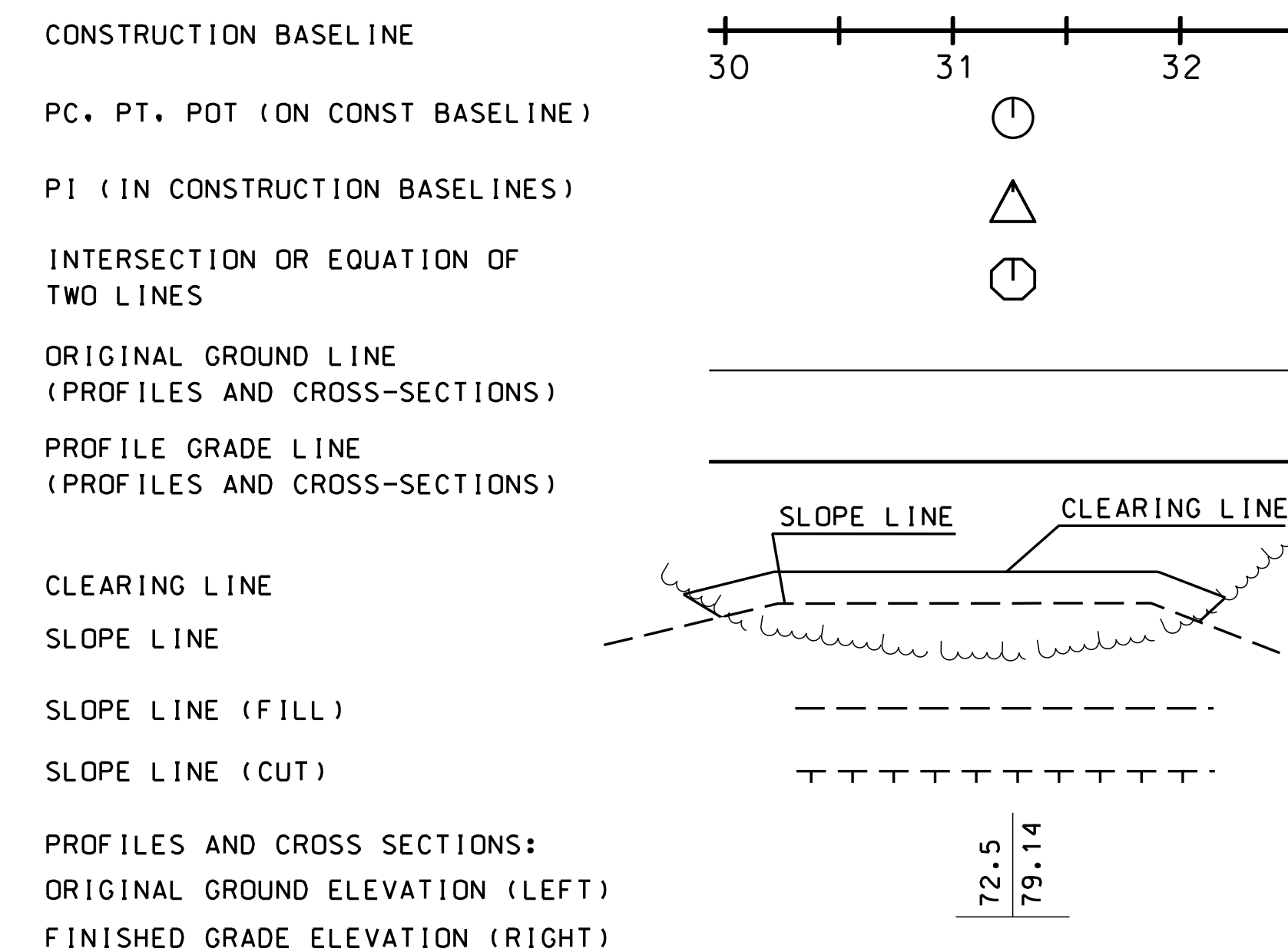
# SHORELAND - WETLAND



# FLOODPLAIN / FLOODWAY

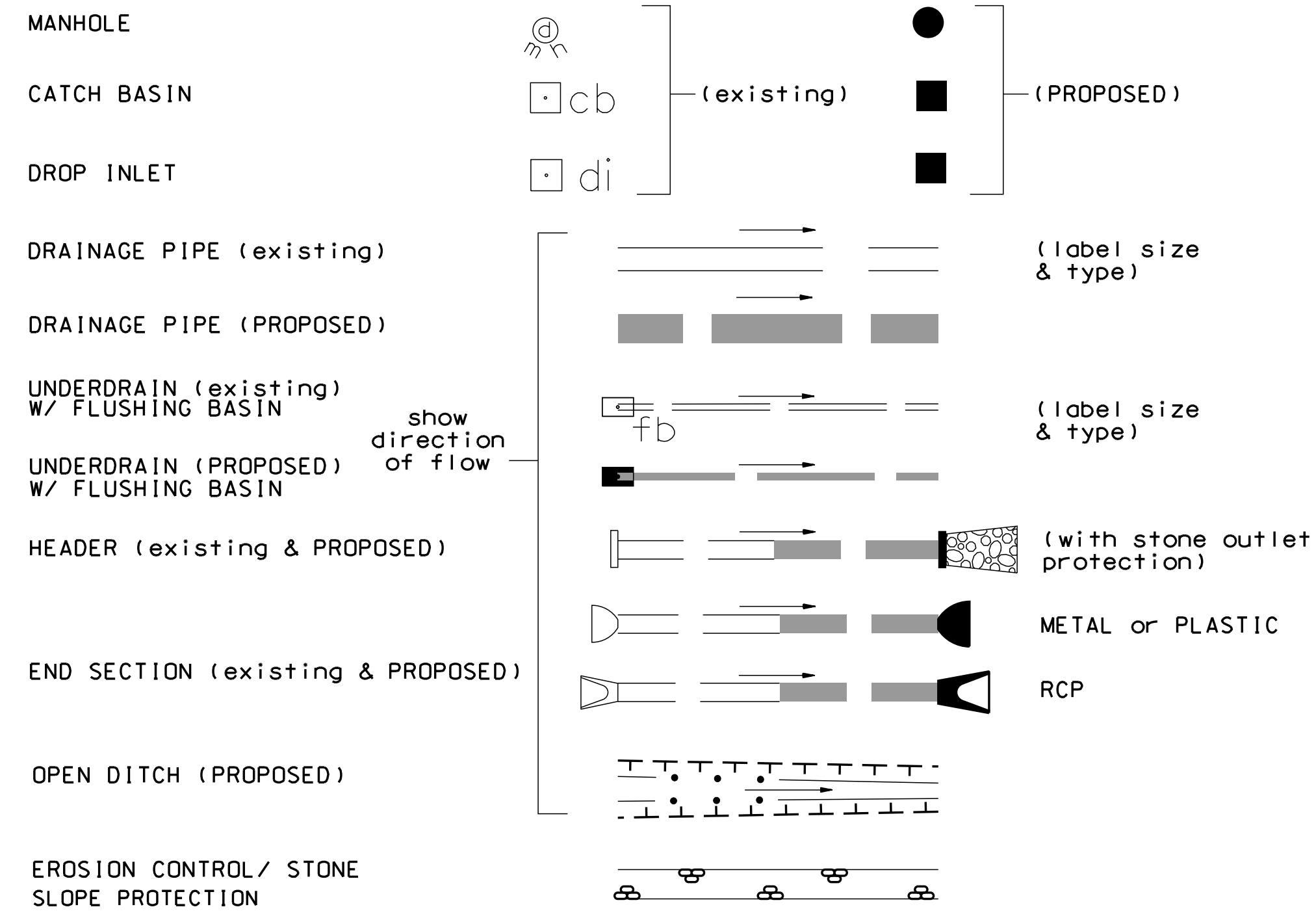


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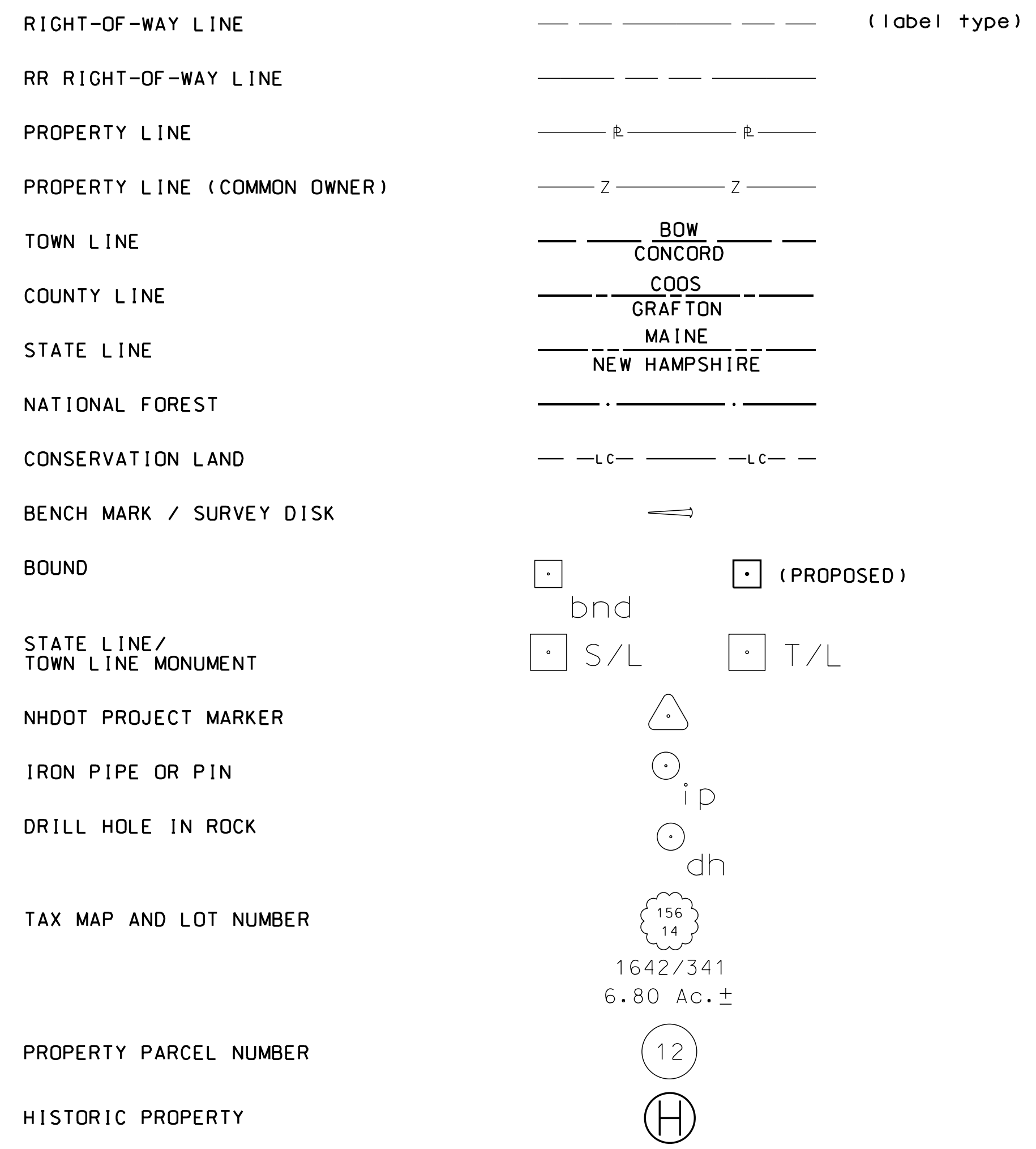


REVISION DATE	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
11-21-2014	14749s+dsymb	14749	2	28

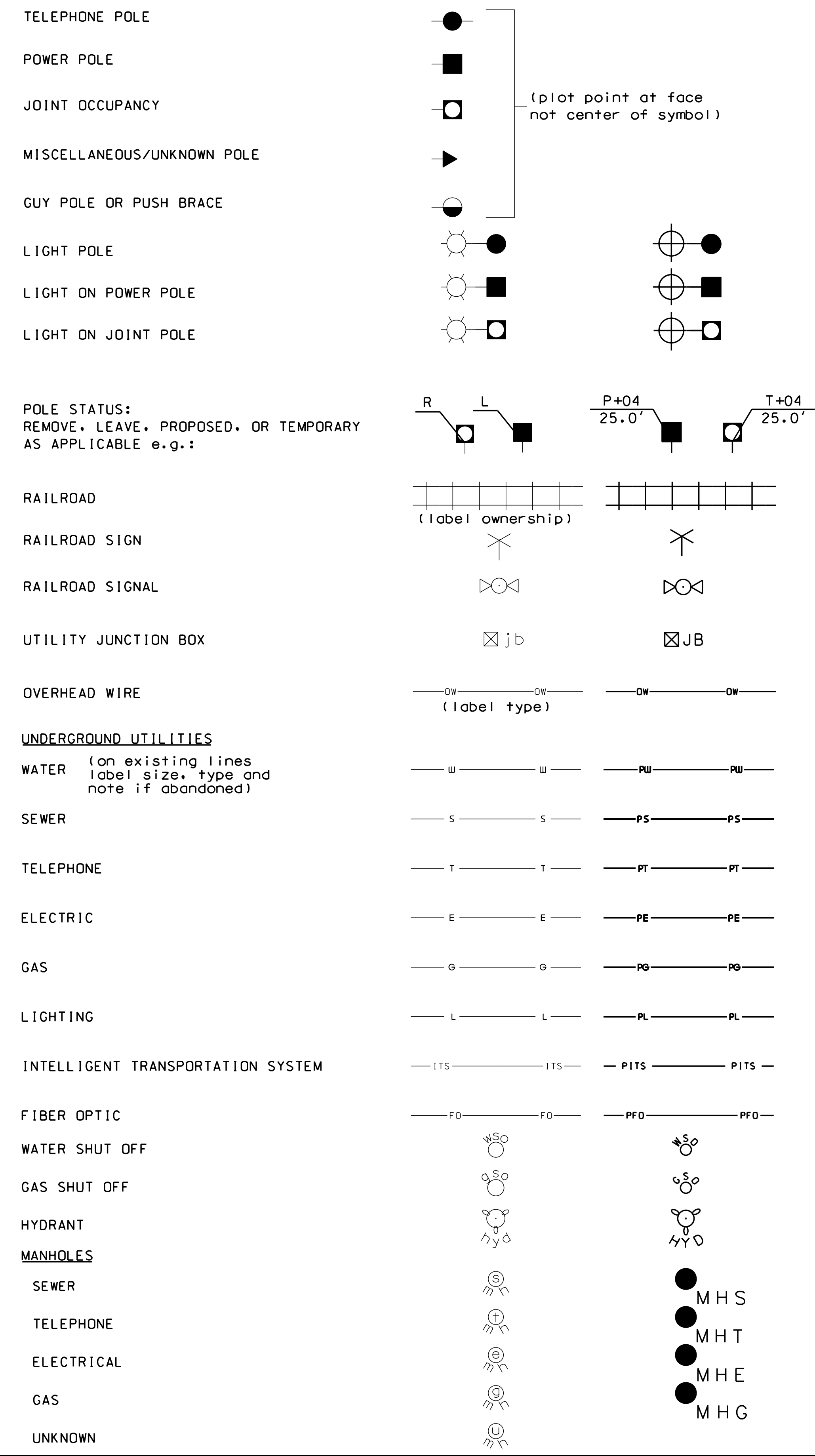
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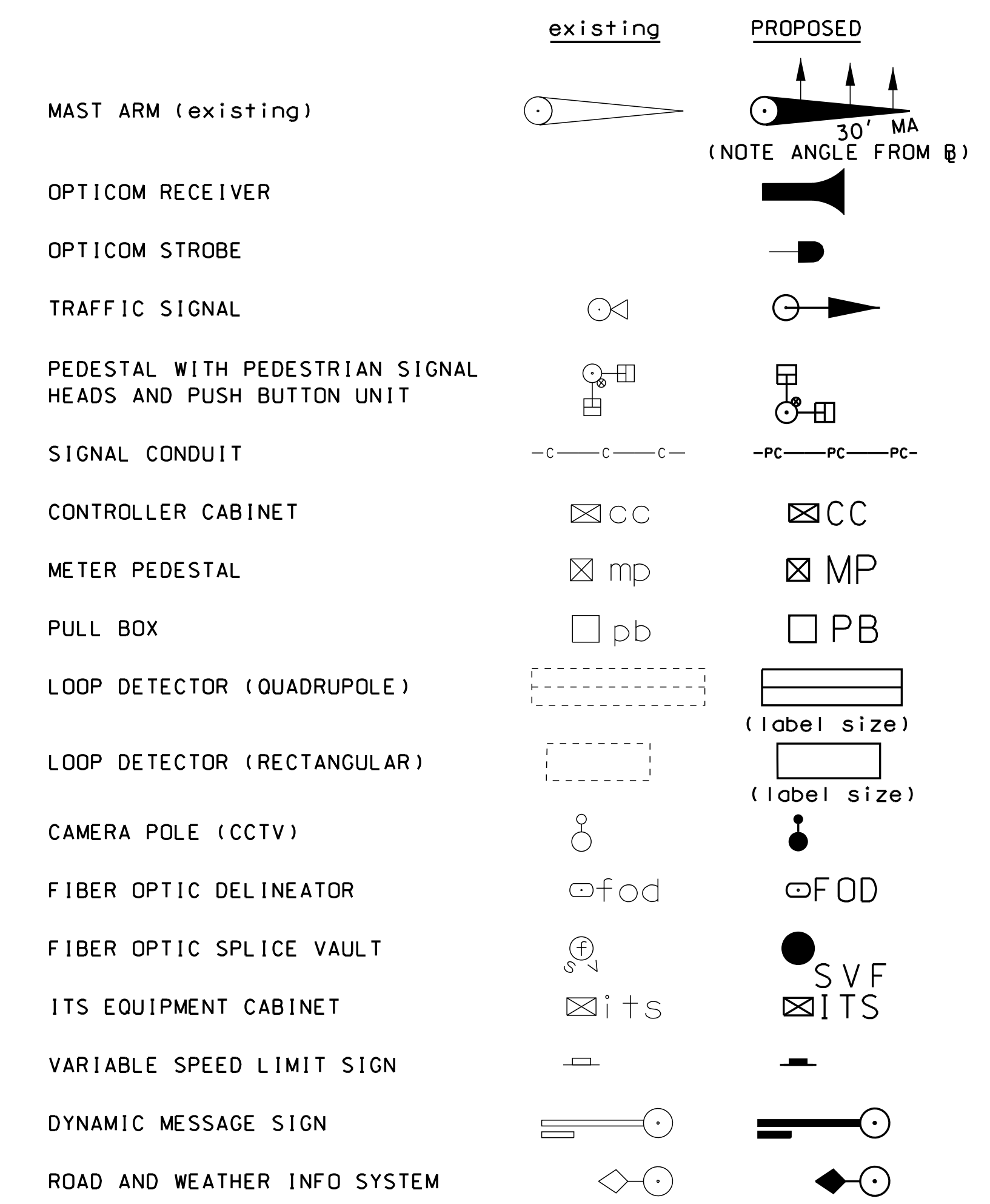
### BOUNDARIES / RIGHT-OF-WAY



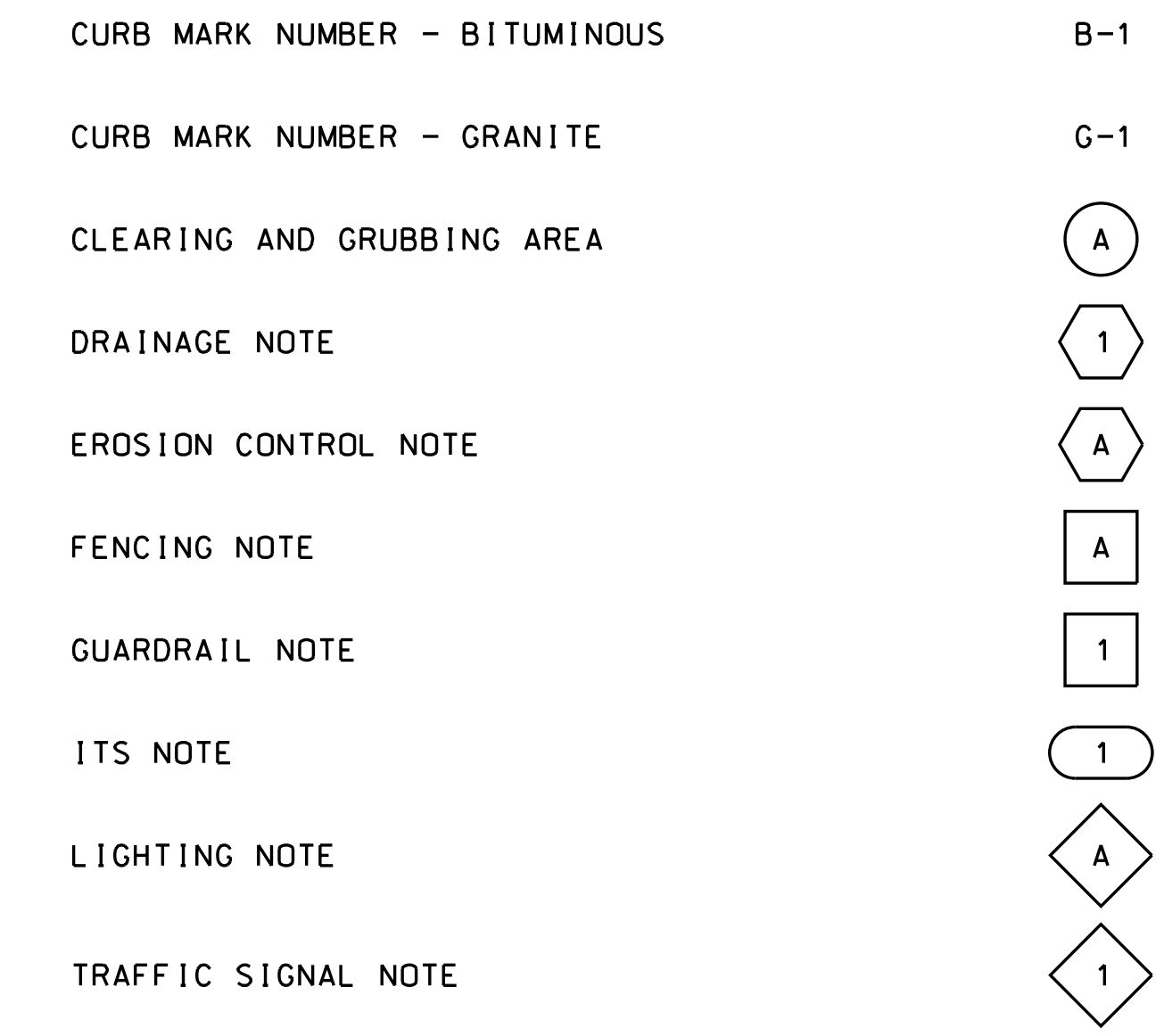
### UTILITIES



### TRAFFIC SIGNALS / ITS



### CONSTRUCTION NOTES



SHEET 2 OF 2

STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>STANDARD SYMBOLS</b>				
REVISION DATE	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
9-1-2016	14749s+dsymb	14749	3	28

WETLAND CLASSIFICATION CODES	
PEM/SS1E	PALUSTRINE EMERGENT/SCRUB-SHRUB BROAD-LEAVED DECIDUOUS SEASONALLY FLOODED/SATURATED
BANK	BANK
R2UB2H	RIVERINE LOWER PERENNIAL UNCONSOLIDATED BOTTOM SAND PERMANENTLY FLOODED
PSS/FD1E	PALUSTRINE SCRUB-SHRUB/FORESTED BROAD-LEAVED DECIDUOUS SEASONALLY FLOODED/SATURATED
R3UB3H	RIVERINE UPPER PERENNIAL UNCONSOLIDATED BOTTOM MUD PERMANENTLY FLOODED
PEM1E	PALUSTRINE EMERGENT PERSISTENT SEASONALLY FLOODED/SATURATED
PUBH	PALUSTRINE UNCONSOLIDATED BOTTOM PERMANENTLY FLOODED
PFD1E	PALUSTRINE FORESTED BROAD-LEAVED DECIDUOUS SEASONALLY FLOODED/SATURATED
PSS1E	PALUSTRINE SCRUB/SHRUB BROAD-LEAVED DECIDUOUS SEASONALLY FLOODED/SATURATED

LEGEND

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

WETLAND IMPACT SUMMARY											
WETLAND NUMBER	WETLAND CLASSIFICATION	LOCATION	AREA IMPACTS						LINEAR STREAM IMPACTS FOR MITIGATION		
			PERMANENT				TEMPORARY		PERMANENT		
			N.H.W.B. (NON-WETLAND)		N.H.W.B. & A.C.O.E. (WETLAND)		SF	LF	BANK LEFT	BANK RIGHT	CHANNEL
			SF	LF	SF	LF	SF	LF	LF	LF	LF
1	PEM/SS1E	A	-	-	-	-	74	-	-	-	-
1	PEM/SS1E	B	-	-	3459	-	-	-	-	-	-
3/6	BANK	C	299	5	-	-	-	-	5	-	-
3/6	BANK	D	-	-	-	-	2718	-	-	-	-
2	R2UB2H	E	-	-	-	-	7197	-	-	-	-
4/5	BANK	F	-	-	-	-	2167	-	-	-	-
4/5	BANK	G	140	14	-	-	-	-	14	-	-
4	BANK	H	53	16	-	-	-	-	16	-	-
21	PSS/FD1E	I	-	-	-	-	304	-	-	-	-
20	R3UB3H	J	-	-	-	-	111	-	-	-	-
20A	PEM1E	K	-	-	-	-	480	-	-	-	-
19	PEM1E	L	-	-	-	-	120	-	-	-	-
18	R3UB3H	M	-	-	-	-	65	-	-	-	-
19	PEM1E	N	-	-	-	-	39	-	-	-	-
22	PUBH	O	-	-	-	-	13749	-	-	-	-
23	PFD1E	P	-	-	-	-	21191	-	-	-	-
24	BANK	Q	-	-	-	-	889	-	-	-	-
26	R2UB2H	R	-	-	525	61	-	-	-	-	61
24	BANK	S	430	87	-	-	-	-	87	-	-
26	R2UB2H	T	-	-	145	36	-	-	-	-	36*
24	BANK	U	-	-	-	-	837	-	-	-	-
26	R2UB2H	V	-	-	-	-	27761	-	-	-	-
25	BANK	W	-	-	-	-	1067	-	-	-	-
26	R2UB2H	X	-	-	145	36	-	-	-	-	36*
48	PFD1E	Y	-	-	-	-	6161	-	-	-	-
28	PFD1E	Z	-	-	-	-	1965	-	-	-	-
32	PSS/FD1E	AA	-	-	-	-	126	-	-	-	-
31	PSS1E	AB	-	-	-	-	85	-	-	-	-
TOTAL			922	122	4274	61	87106	-	30	92	61

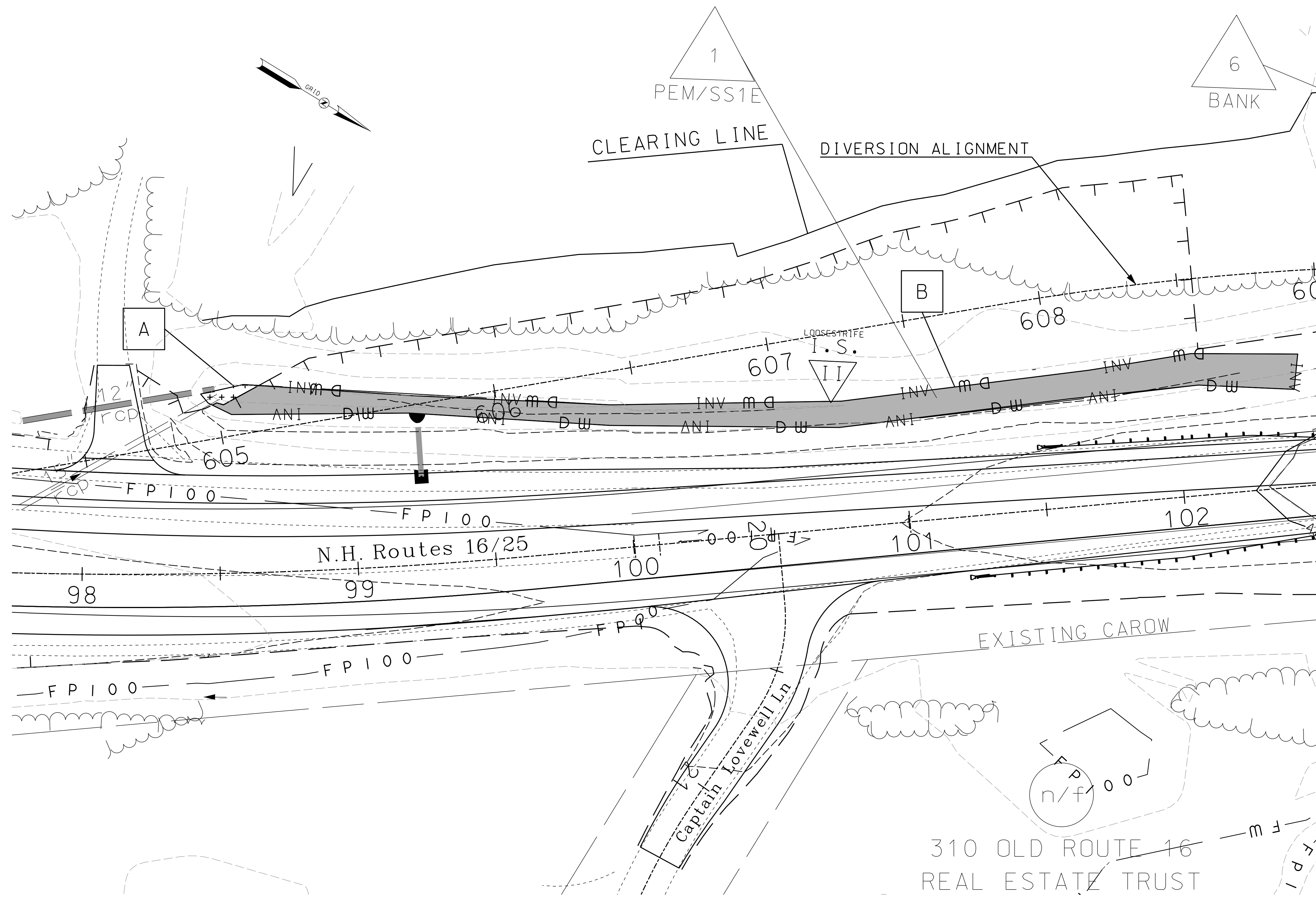
PERMANENT IMPACTS: 5196 SF  
 TEMPORARY IMPACTS: 87106 SF  
 TOTAL IMPACTS: 92302 SF

\* NO MITIGATION REQUIRED (PIER REMOVAL)



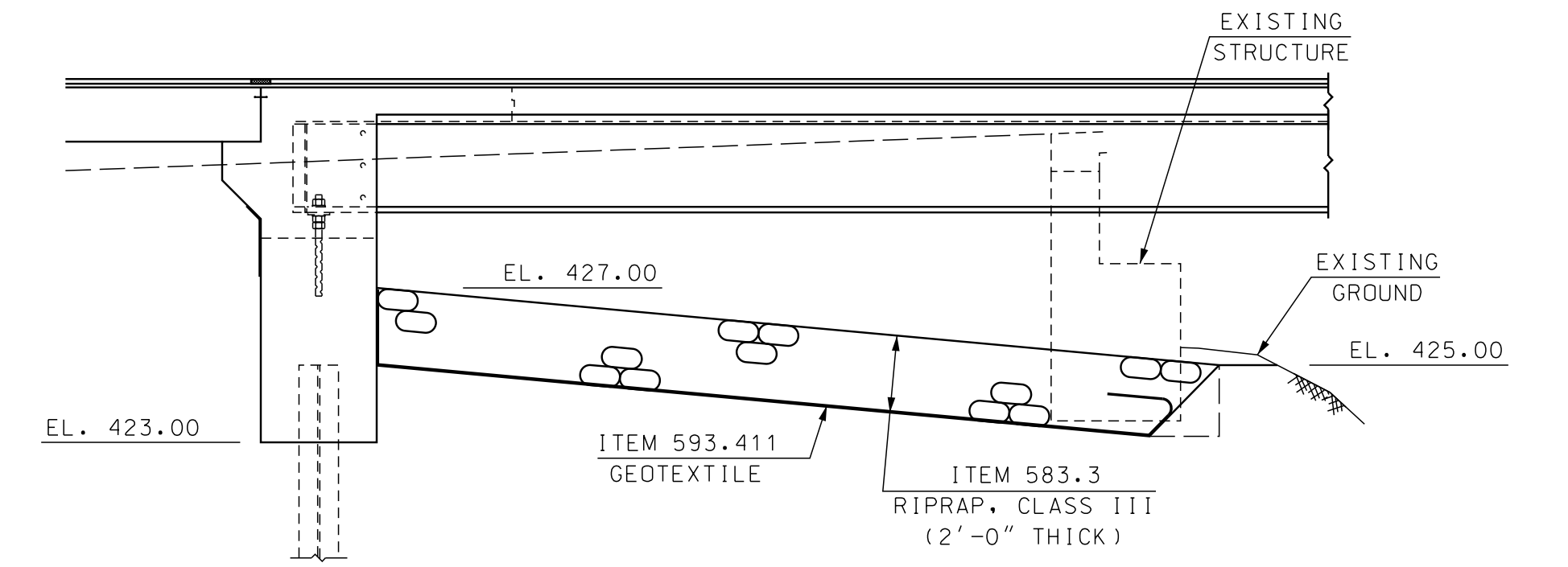
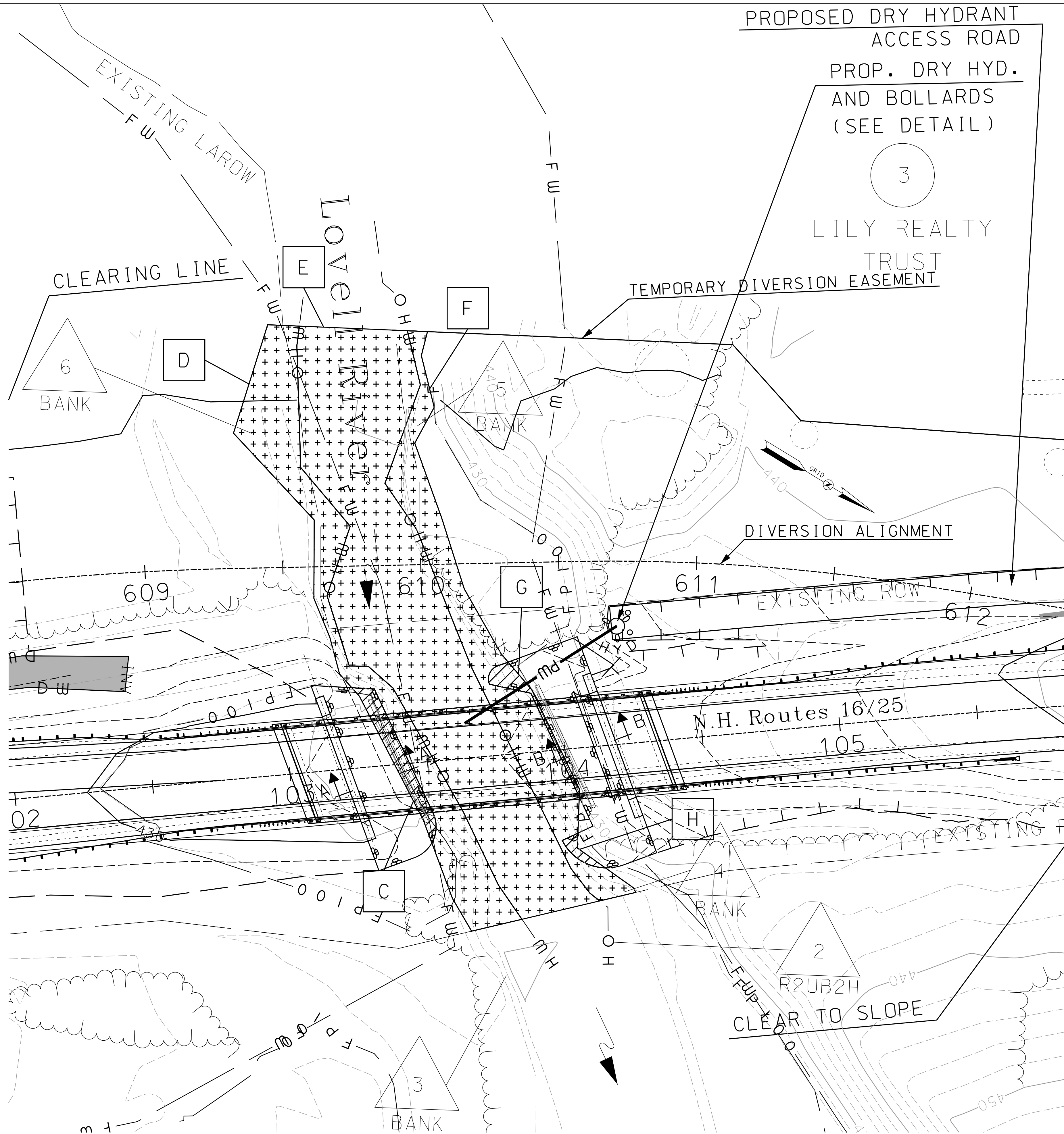
STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN										
TOWN	OSSIPEE	BRIDGE NO.			STATE PROJECT	14749				
LOCATION	NH ROUTE 16									
WETLAND IMPACT SUMMARY										
REVISIONS AFTER PROPOSAL					BY	DATE	BY	DATE	BRIDGE SHEET	--- OF ---
					DESIGNED	PAB	1/18	CHECKED	BOEnv	2/18
					DRAWN	PAB	1/18	CHECKED	JAT	1/18
					QUANTITIES	PAB	1/18	CHECKED	JAT	1/18
					ISSUE DATE	FEDERAL PROJECT NO.			SHEET NO.	TOTAL SHEETS
					REV. DATE	X-A000(490)			4	28

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
Pj	14749wetplans	AS NOTED

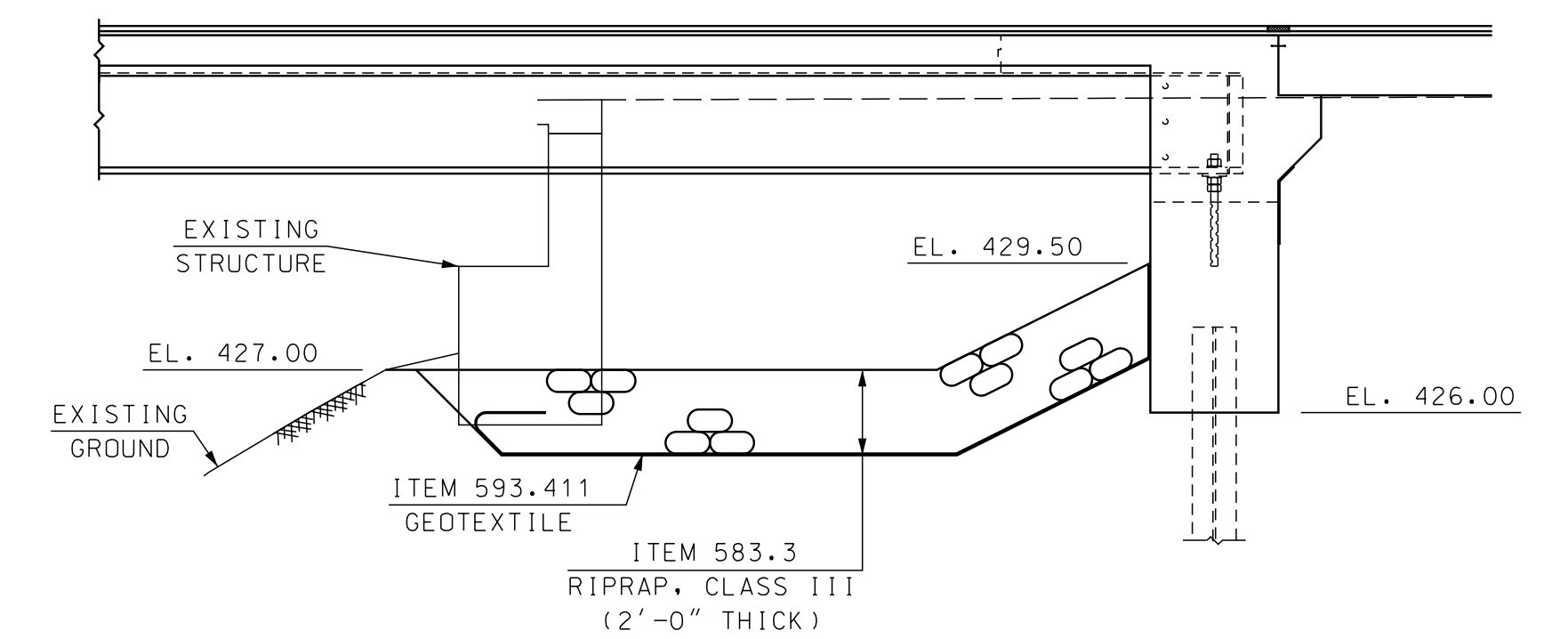


STATE OF NEW HAMPSHIRE										
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN										
TOWN	OSSEPEE	BRIDGE NO.					STATE PROJECT	14749		
LOCATION	NH ROUTE 16									
WETLAND IMPACT PLANS										
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BO/Env	DATE	BRIDGE SHEET			
		DESIGNED	PAB	1/18	CHECKED	JAT	2/18	--- OF ---		
		DRAWN	PAB	1/18	CHECKED	JAT	1/18	FILE NUMBER		
		QUANTITIES	PAB	1/18	CHECKED	JAT	1/18			
ISSUE DATE		FEDERAL PROJECT NO.				SHEET NO.	TOTAL SHEETS			
REV. DATE		X-A000(490)				5	28			

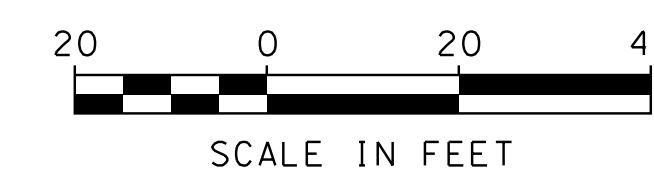
SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
Pj	14749wetplans	AS NOTED



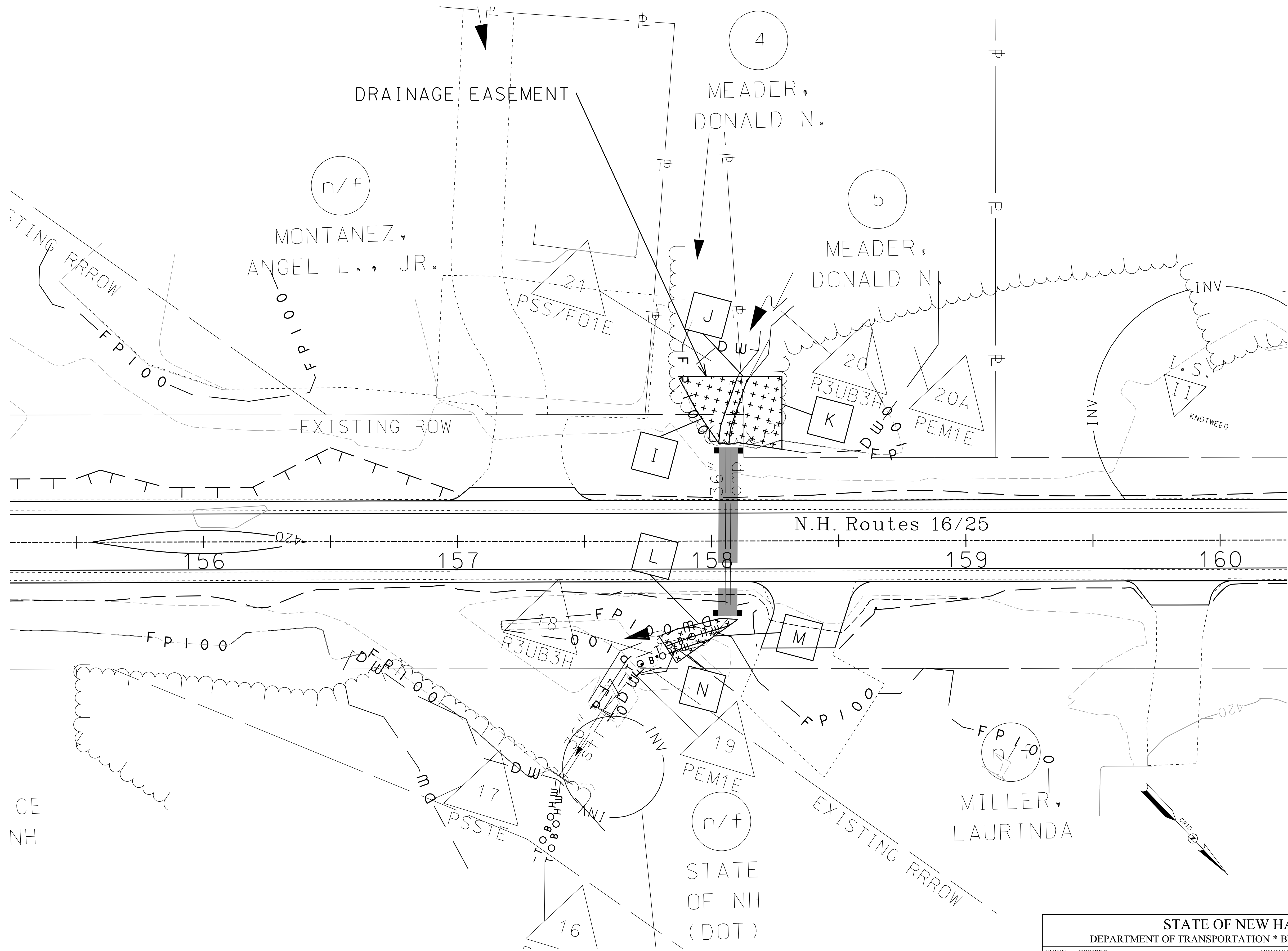
SECTION A-A  
SCALE: 1/4" = 1'-0"



SECTION B-B  
SCALE: 1/4" = 1'-0"

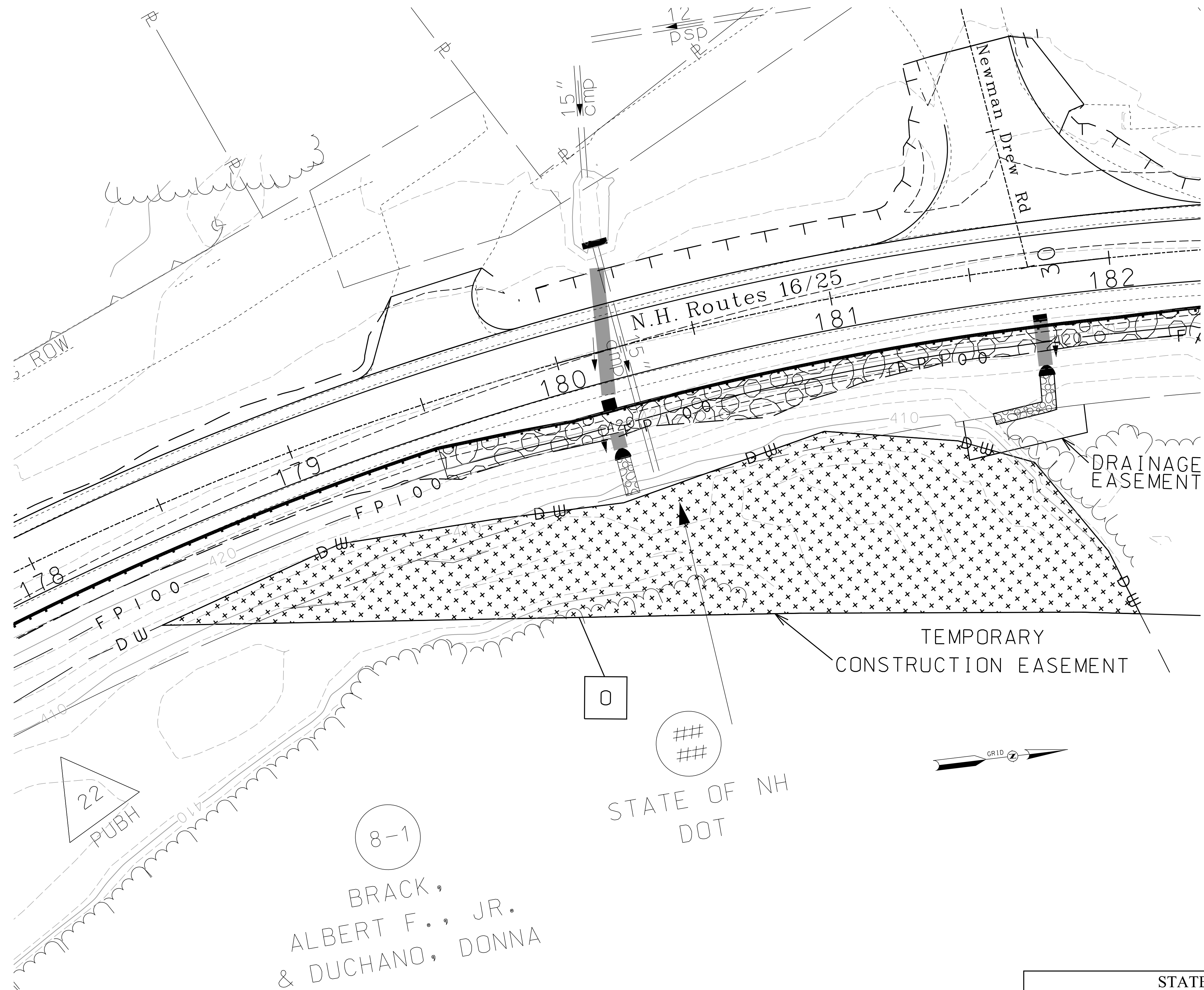


STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	OSSEPEE	BRIDGE NO.	153/268	STATE PROJECT	14749				
LOCATION NH ROUTE 16 OVER LOVELL RIVER									
WETLAND IMPACT PLAN BR NO 153/268									
REVISIONS AFTER PROPOSAL					BRIDGE SHEET				
					--- OF ---				
					FILE NUMBER				
DESIGNED	PAB	1/18	CHECKED	BOEnv	2/18				
DRAWN	PAB	2/18	CHECKED	JAT	2/18				
QUANTITIES	PAB	1/18	CHECKED	JAT	1/18				
ISSUE DATE					FEDERAL PROJECT NO.			SHEET NO.	TOTAL SHEETS
REV. DATE					X-A000(490)			6	28
SUBDIRECTORY	DGN LOCATOR	SHEET SCALE							
Pj	14749wetplans	AS NOTED							



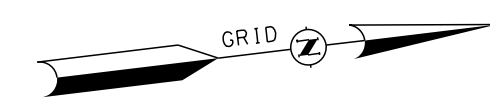
STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	OSSEPEE	BRIDGE NO.			STATE PROJECT	14749			
LOCATION	NH ROUTE 16								
<b>WETLAND IMPACT PLANS</b>									
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BOEnv	DATE	BRIDGE SHEET		
		PAB	1/18		JAT	2/18	--- OF ---		
		PAB	1/18		JAT	1/18	FILE NUMBER		
		PAB	1/18		JAT	1/18			
ISSUE DATE		FEDERAL PROJECT NO.			SHEET NO.	TOTAL SHEETS			
REV. DATE		X-A000(490)			7	28			

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
Pj	14749wetplans	AS NOTED



8-1  
 BRACK,  
 ALBERT F., JR.  
 & DUCHANO, DONNA

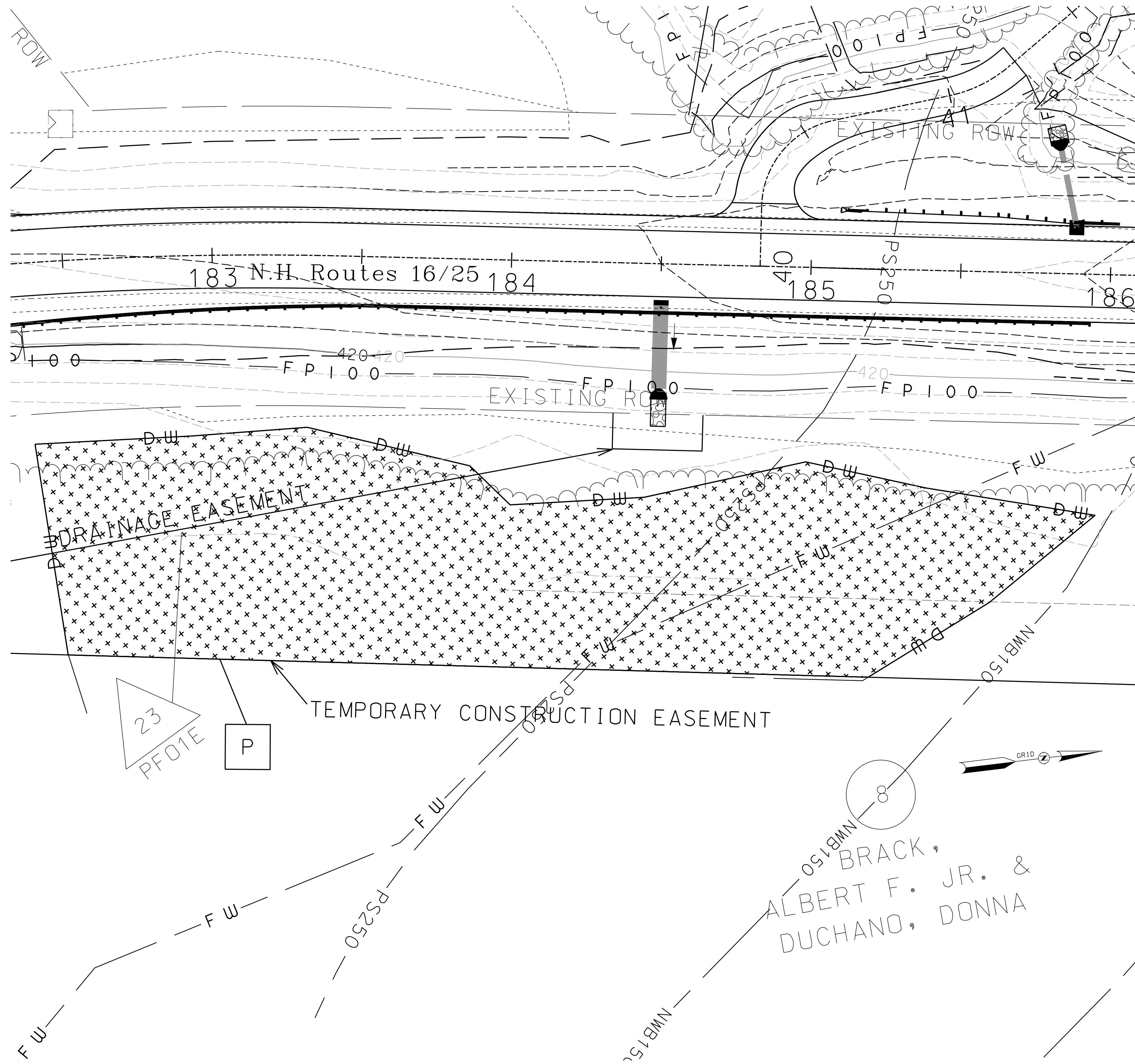
STATE OF NH  
 DOT



STATE OF NEW HAMPSHIRE										
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN										
TOWN	OSSEPEE	BRIDGE NO.					STATE PROJECT	14749		
LOCATION	NH ROUTE 16									
WETLAND IMPACT PLANS										
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BOEnv	DATE	BRIDGE SHEET			
		DESIGNED	PAB	1/18	CHECKED	JAT	1/18	--- OF ---		
		DRAWN	PAB	1/18	CHECKED	JAT	1/18	FILE NUMBER		
		QUANTITIES	PAB	1/18	CHECKED	JAT	1/18			
ISSUE DATE		FEDERAL PROJECT NO.				SHEET NO.	TOTAL SHEETS			
REV. DATE		X-A000(490)				8	28			

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
Pj	14749wetplans	AS NOTED

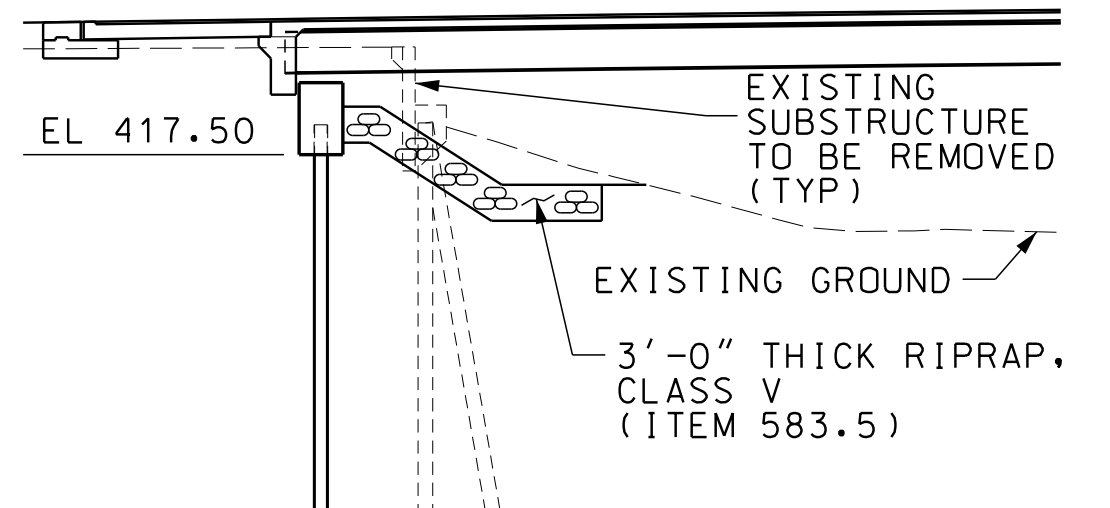
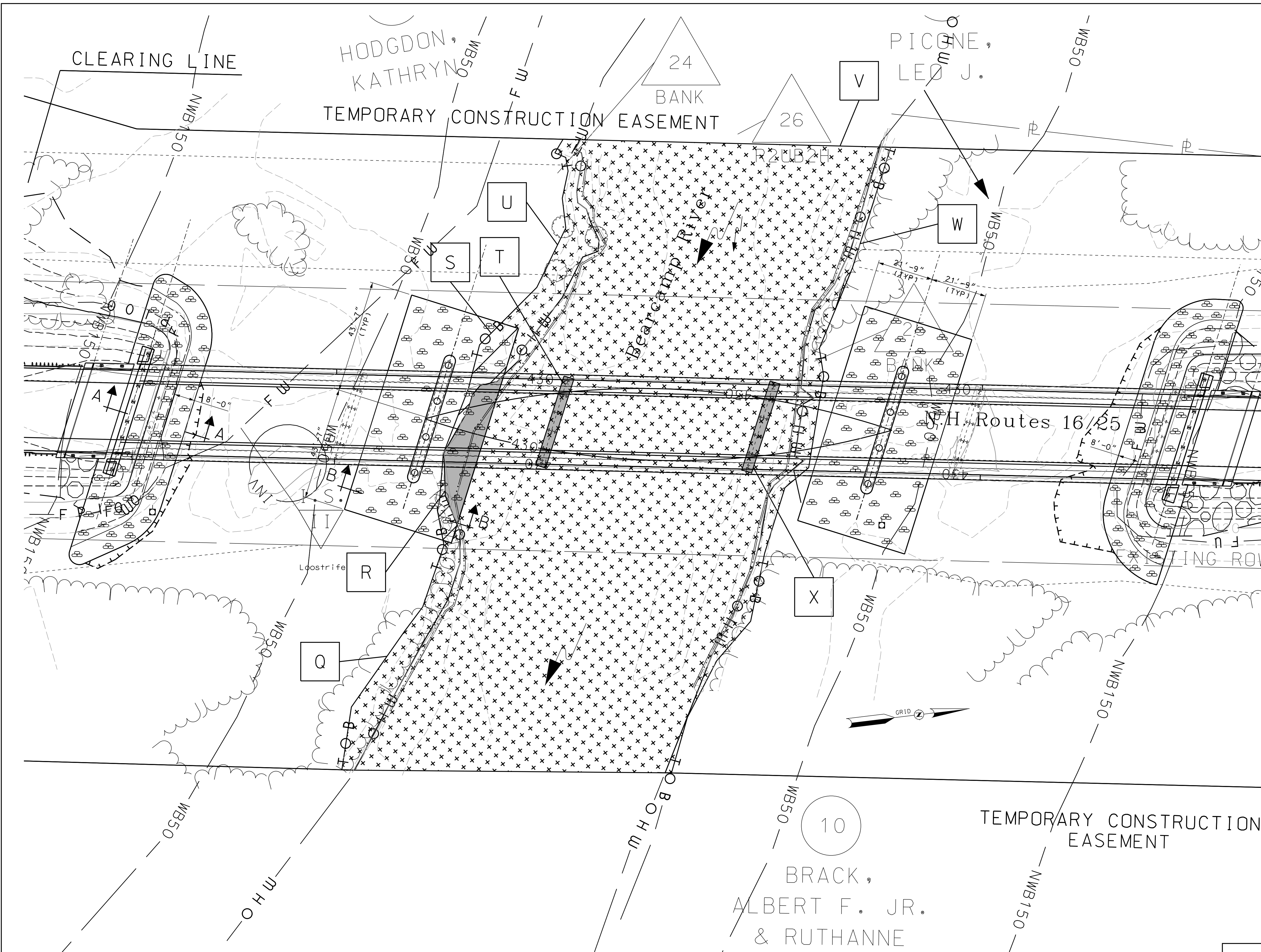




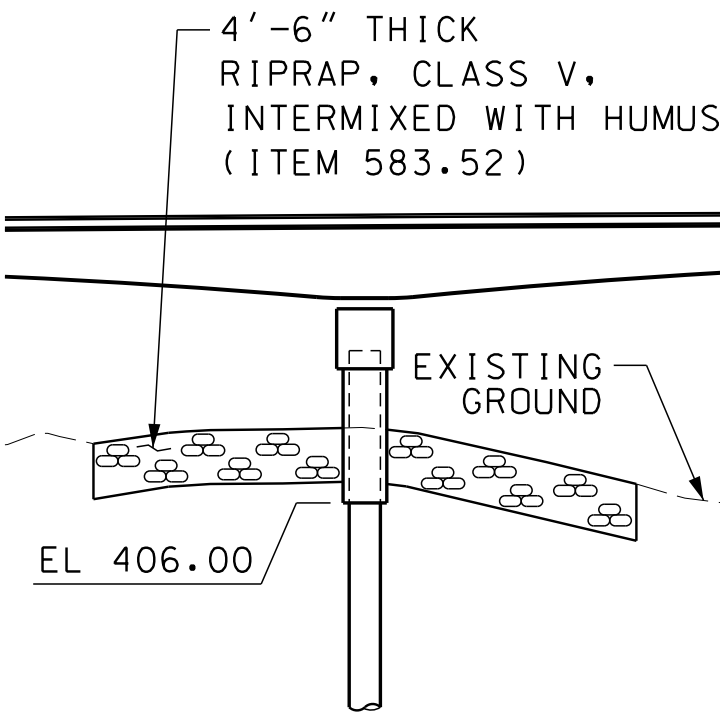
BRACK,  
ALBERT F. JR. &  
DUCHANO, DONNA

STATE OF NEW HAMPSHIRE										
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN										
TOWN	OSSEPEE	BRIDGE NO.					STATE PROJECT	14749		
LOCATION	NH ROUTE 16									
WETLAND IMPACT PLANS										
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BO/Env	DATE	BRIDGE SHEET			
		PAB	1/18		JAT	1/18	--- OF ---			
		PAB	1/18		JAT	1/18	FILE NUMBER			
		PAB	1/18		JAT	1/18				
ISSUE DATE		FEDERAL PROJECT NO.				SHEET NO.	TOTAL SHEETS			
REV. DATE		X-A000(490)				9	28			

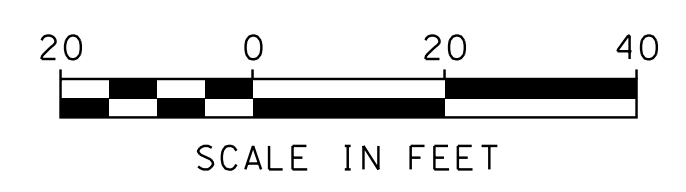
SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
Pj	14749wetplans	AS NOTED



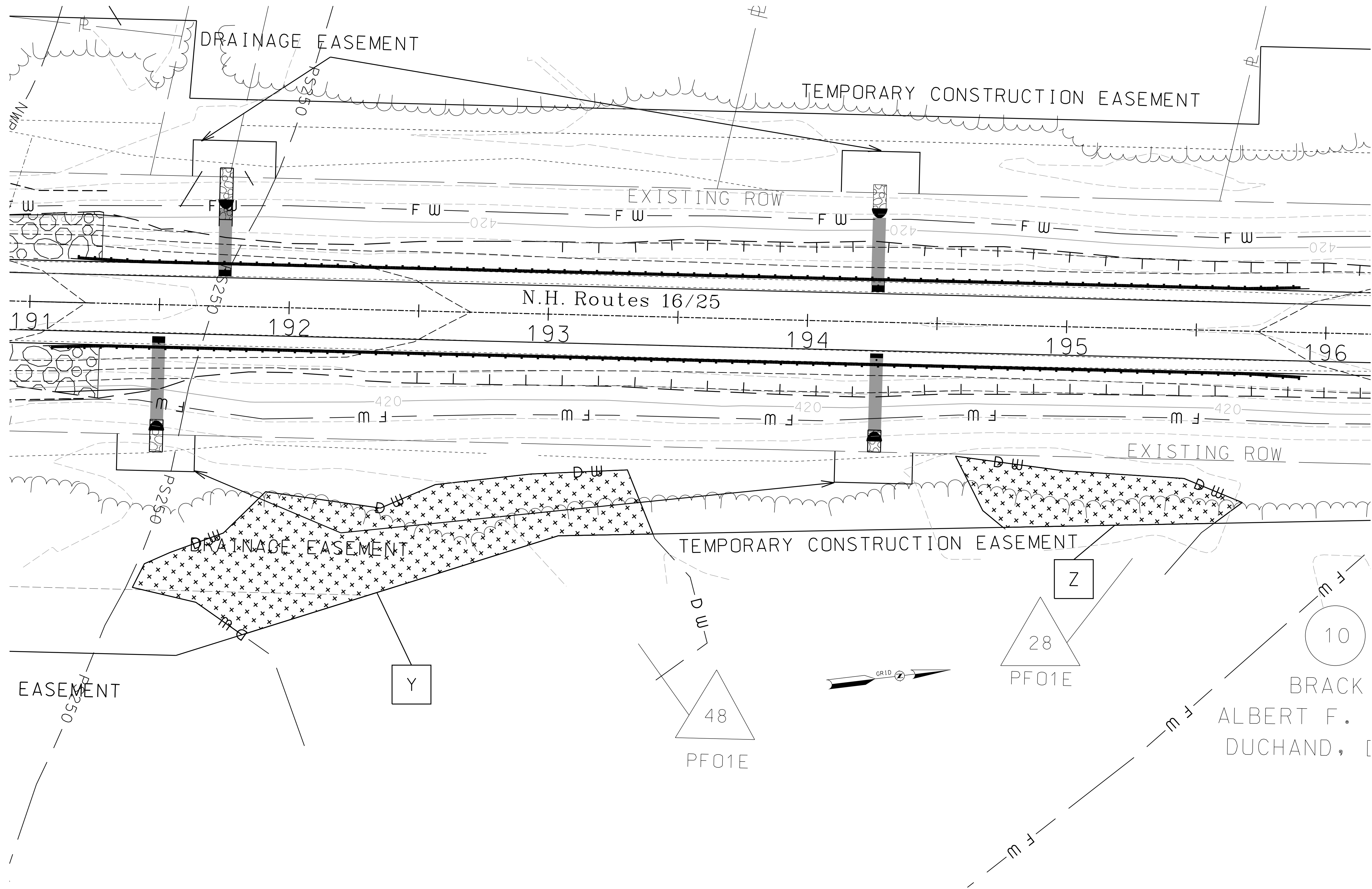
SECTION A-A  
 ABUT A SHOWN, ABUT B SIMILAR  
 SCALE: 1/8" = 1'-0"



SECTION B-B  
 PIER 1 SHOWN, PIER 2 SIMILAR  
 SCALE: 1/8" = 1'-0"



SUBDIRECTORY	DGN LOCATOR	SHEET SCALE	STATE OF NEW HAMPSHIRE		DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN	
Pj	14749wetplans	AS NOTED	TOWN	BRIDGE NO.	STATE PROJECT	FILE NUMBER
			OSSIPEE	138/297	14749	
			LOCATION NH ROUTE 16 OVER BEARCAMP RIVER			BRIDGE SHEET
			WETLAND IMPACT PLAN BR NO 138/297			--- OF ---
			DESIGNED	BY	DATE	CHECKED
			PAB	1/18	1/18	BOEnv
			DRAWN	BY	DATE	CHECKED
			PAB	2/18	2/18	JAT
			QUANTITIES	BY	DATE	CHECKED
			PAB	1/18	1/18	JAT
			ISSUE DATE	FEDERAL PROJECT NO.	SHEET NO.	TOTAL SHEETS
				X-A000(490)	10	28
			REV. DATE			



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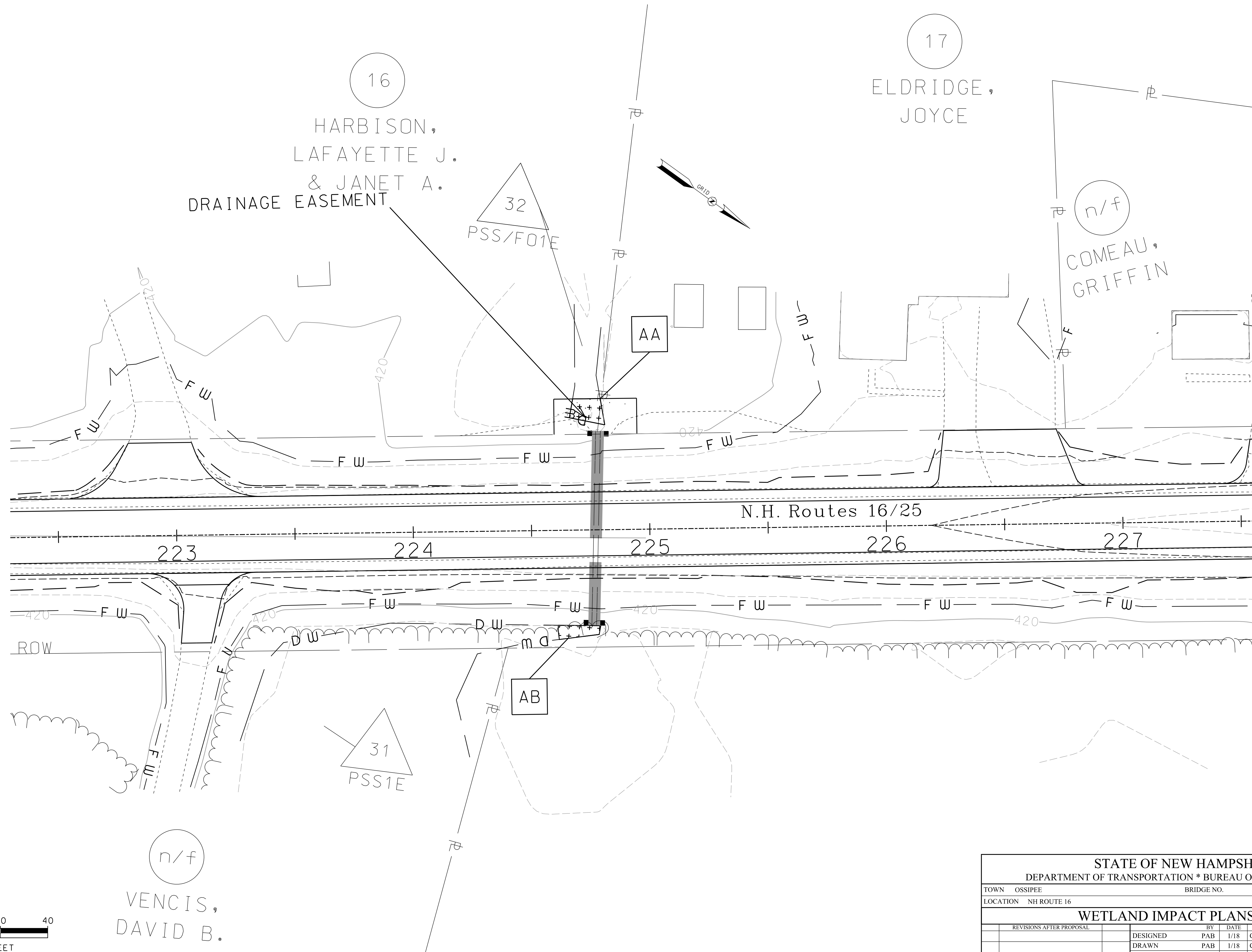
Z  
28  
PFO1E

10  
BRACK  
ALBERT F.  
DUCHAND, [



STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN OSSIPEE		BRIDGE NO.			STATE PROJECT 14749				
LOCATION NH ROUTE 16									
WETLAND IMPACT PLANS									
REVISIONS AFTER PROPOSAL		BY		DATE		BY		DATE	
		DESIGNED		PAB 1/18		CHECKED		BOEnv 2/18	
		DRAWN		PAB 1/18		CHECKED		JAT 1/18	
		QUANTITIES		PAB 1/18		CHECKED		JAT 1/18	
ISSUE DATE		FEDERAL PROJECT NO.			SHEET NO.		TOTAL SHEETS		
REV. DATE		X-A000(490)			11		28		

SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
Pj	14749wetplans	AS NOTED



SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
Pj	14749wetplans	AS NOTED

STATE OF NEW HAMPSHIRE										
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN										
TOWN	OSSEPEE	BRIDGE NO.					STATE PROJECT	14749		
LOCATION	NH ROUTE 16									
WETLAND IMPACT PLANS										
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BOEnv	DATE	BRIDGE SHEET			
		PAB	1/18	PAB	JAT	1/18	--- OF ---			
		PAB	1/18	PAB	JAT	1/18	FILE NUMBER			
		PAB	1/18	PAB	JAT	1/18				
ISSUE DATE		FEDERAL PROJECT NO.				SHEET NO.	TOTAL SHEETS			
REV. DATE		X-A000(490)				12	28			

# 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 CONTROLS 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\* AND MAY 1\* 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\*, OR WHICH ARE DISTURBED AFTER OCTOBER 15\*, 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\*, OR WHICH ARE DISTURBED AFTER OCTOBER 15\*, SHALL BE STABILIZED TEMPORARILY WITH STONE OR IN ACCORDANCE WITH TABLE 1.
      - (C) AFTER NOVEMBER 30\* 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 STABILIZATION PLAN HAS BEEN APPROVED BY NHDOT.
      - (E) A SWPPP AMENDMENT SHALL BE SUBMITTED TO THE DEPARTMENT, FOR APPROVAL, ADDRESSING COLD WEATHER STABILIZATION (ENV-WO 1505.05) NO LESS THAN 30 DAYS PRIOR TO THE COMMENCEMENT OF WORK SCHEDULED AFTER NOVEMBER 30\*.
- 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\* THROUGH NOVEMBER 30\*, 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, 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

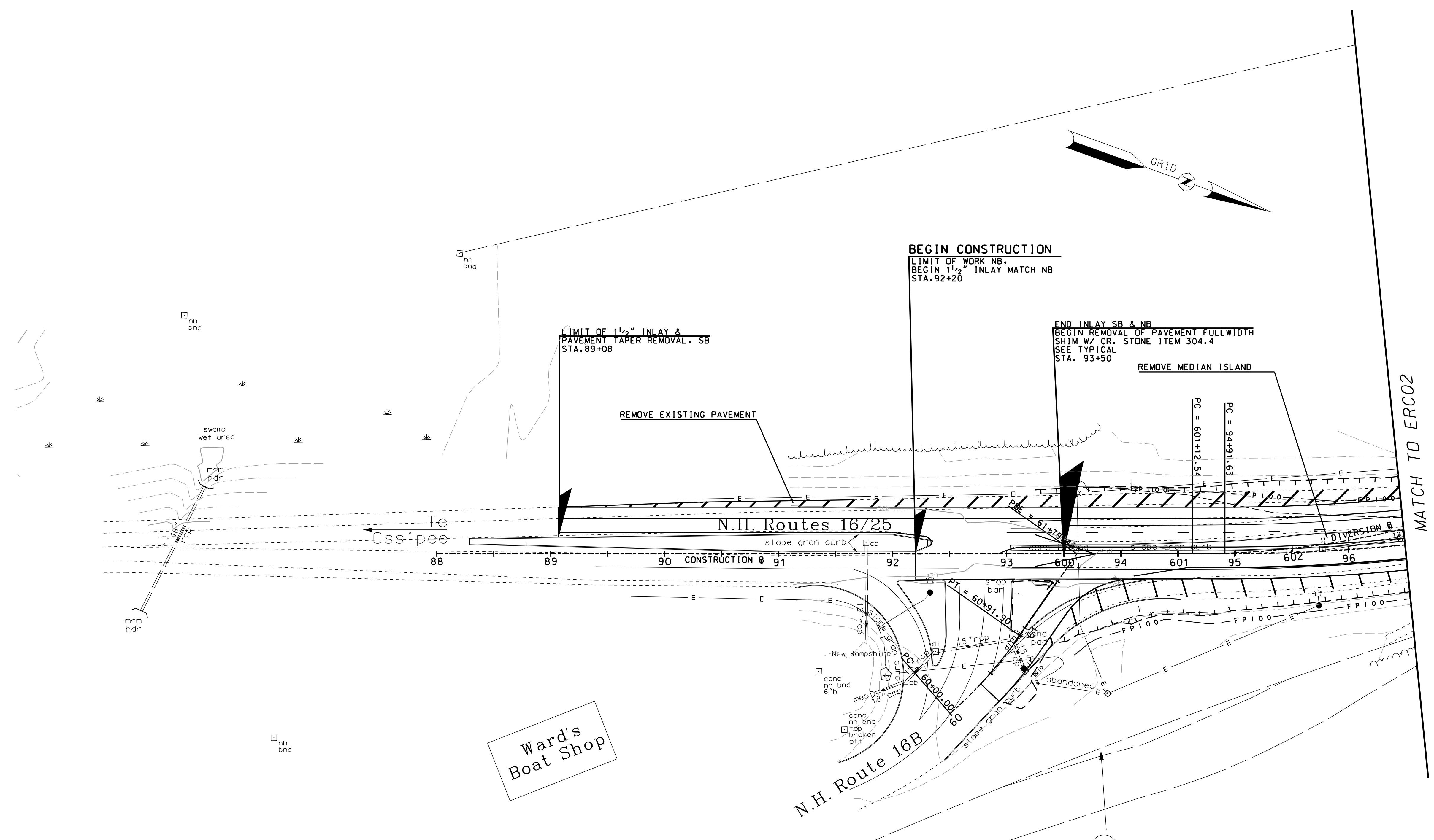
APPLICATION AREAS	DRY MULCH METHODS				HYDRAULICALLY APPLIED MULCHES <sup>2</sup>				ROLLED EROSION CONTROL BLANKETS <sup>3</sup>			
	HMT	WC	SG	CB	HM	SMM	BFM	FRM	SNSB	DNSB	DNSCB	DNCB
SLOPES <sup>1</sup>												
STEEPER THAN 2:1	NO	NO	YES	NO	NO	NO	NO	YES	NO	NO	NO	YES
2:1 SLOPE	YES <sup>1</sup>	YES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

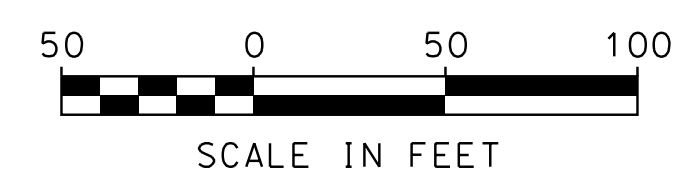
NOTES:  
 1. ALL SLOPE STABILIZATION OPTIONS ASSUME A SLOPE LENGTH ≤10 TIMES THE HORIZONTAL DISTANCE COMPONENT OF THE SLOPE, IN FEET.  
 2. PRODUCTS CONTAINING POLYACRYLAMIDE (PAM) SHALL NOT BE APPLIED DIRECTLY TO OR WITHIN 100 FEET OF ANY SURFACE WATER WITHOUT PRIOR WRITTEN APPROVAL FROM THE NH DEPARTMENT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

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
<i>EROSION CONTROL STRATEGIES</i>			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14749erC	14749	13	28

SDR PROCESSED	NAME1	DATE	DATE1	REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NEW DESIGN	NAME2	DATE	DATE2			
SHEET CHECKED	NAME3	DATE	DATE3			
AS BUILT DETAILS		DATE				



- ESTIMATED CONSTRUCTION SEQUENCE  
LOVELL BRIDGE & NH 16B AREA**
- REMOVE MEDIAN ISLAND & CONST. NEW SLIP RAMP LOCATION
  - CONST LOVELL BRIDGE DIVERSION
  - CONST LOVELL BRIDGE
  - CONST FULL BOX ROADWAY AT LOVELL BRIDGE AREA

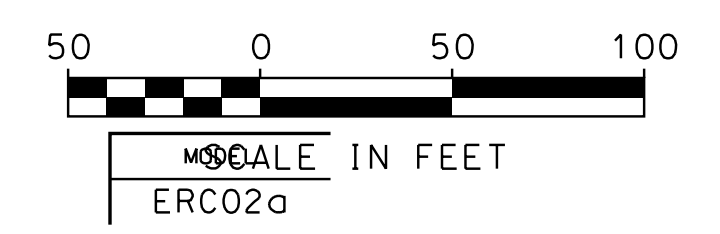
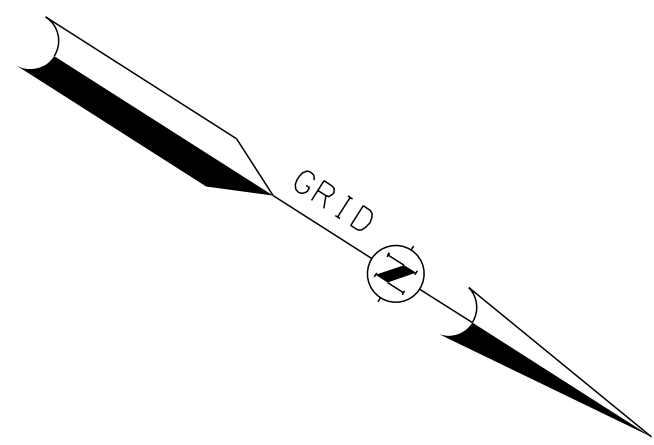
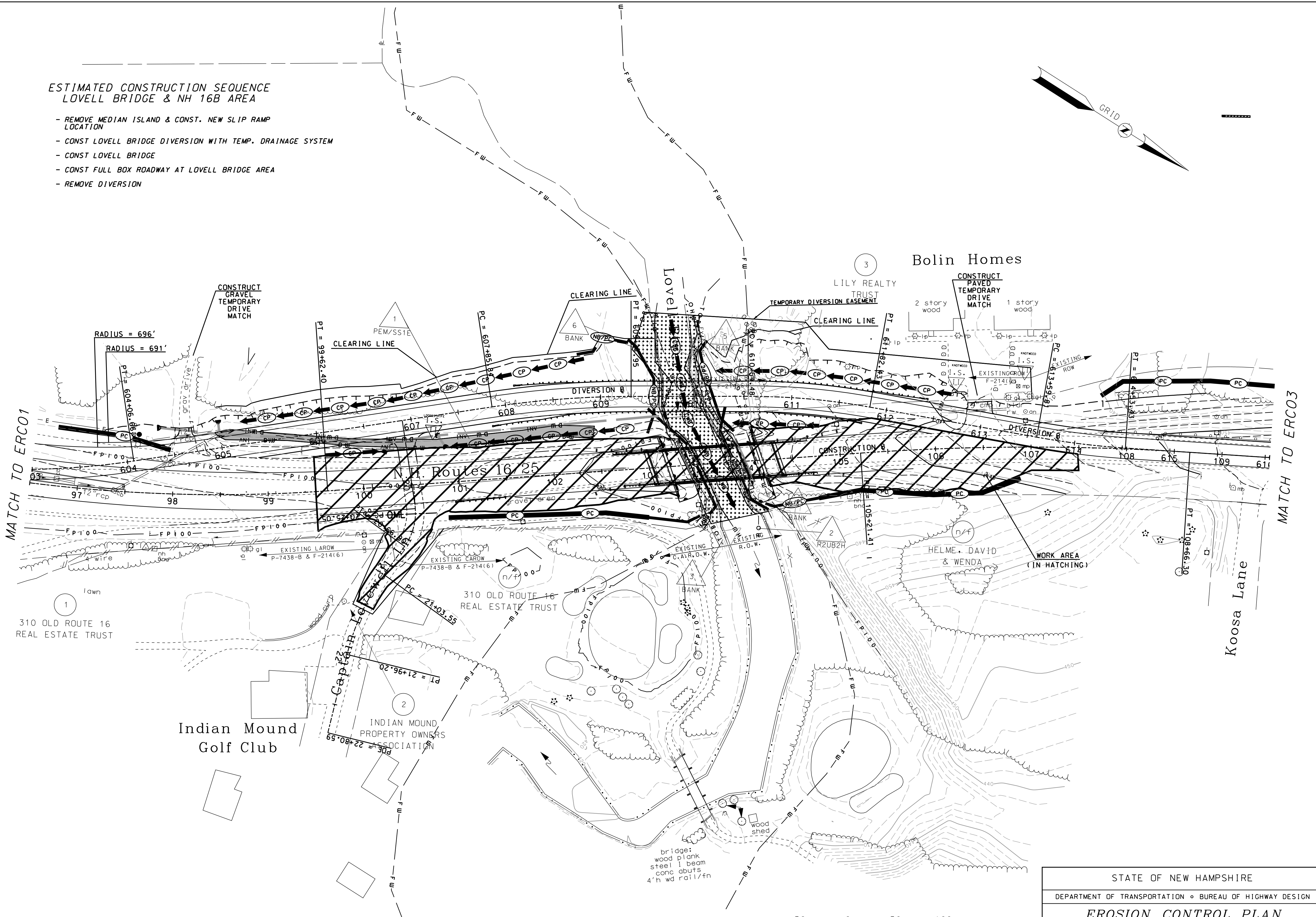


STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC01	14749erc	14749	14	28

ESTIMATED CONSTRUCTION SEQUENCE  
LOVELL BRIDGE & NH 16B AREA

- REMOVE MEDIAN ISLAND & CONST. NEW SLIP RAMP LOCATION
- CONST LOVELL BRIDGE DIVERSION WITH TEMP. DRAINAGE SYSTEM
- CONST LOVELL BRIDGE
- CONST FULL BOX ROADWAY AT LOVELL BRIDGE AREA
- REMOVE DIVERSION

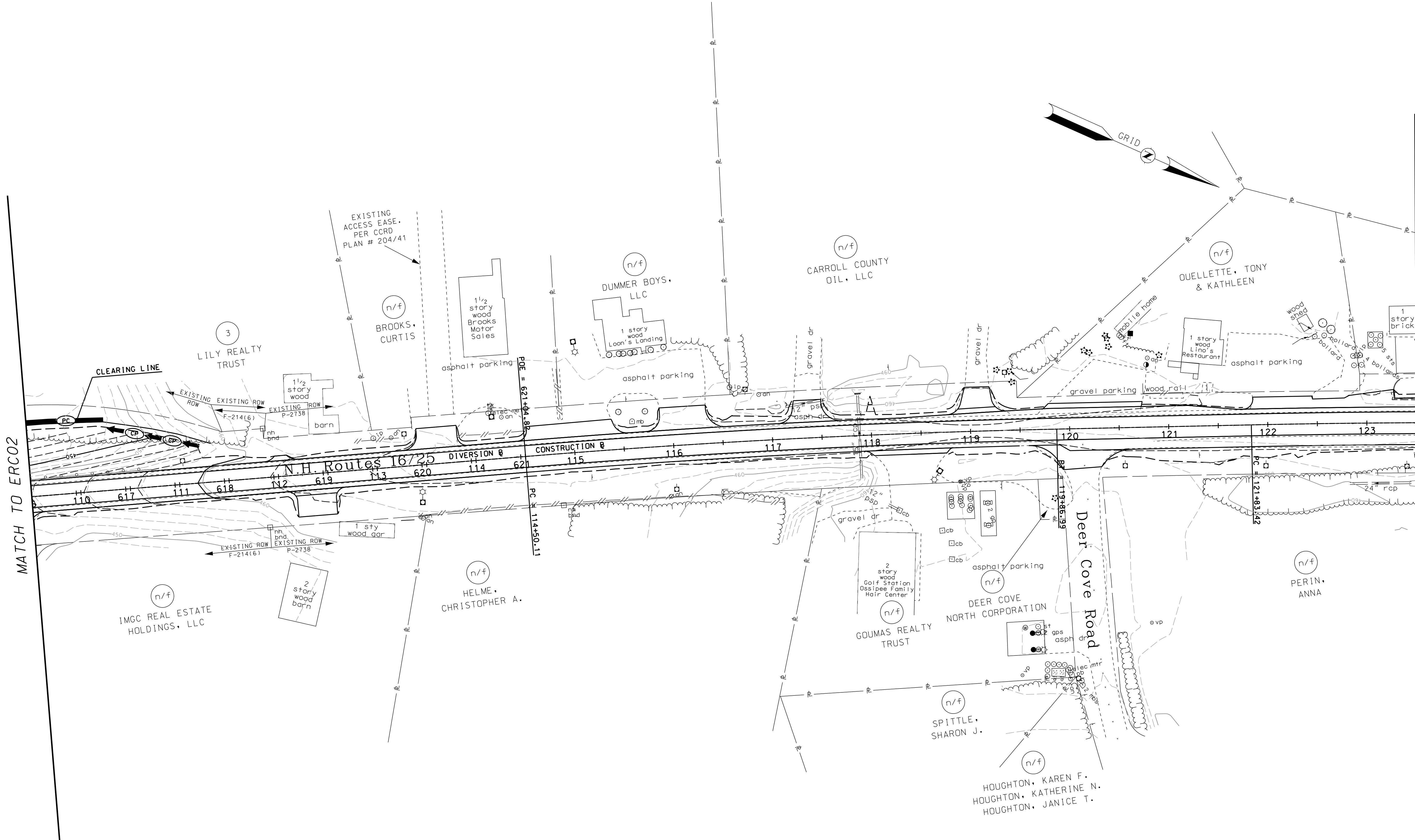
REVISIONS AFTER PROPOSAL		STATION	DESCRIPTION
SDR PROCESSED	NAME1	DATE	DATE1
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	



STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
<b>EROSION CONTROL PLAN SHOWING TEMPORARY BRIDGE DIVERSION</b>			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
14749erc	14749	15	28

SDR PROCESSED		DATE		DATE		DATE		DATE	
NAME1	NAME2	DATE1	DATE2	DATE1	DATE2	DATE1	DATE2	DATE1	DATE2
NEW DESIGN	NAME3								
SHEET CHECKED									
AS BUILT DETAILS									

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION



**ESTIMATED CONSTRUCTION SEQUENCE  
ROADWAY REHABILITATION AREA**

- RECLAIM ROADWAY AND PAVE
- RECLAIMED SURFACE LEFT OPEN PRIOR TO PAVING A MAXIMUM OF 12 CALENDAR DAYS
- RECLAIMED SURFACE OPEN A MAXIMUM OF 1.25 MILES AT A TIME.

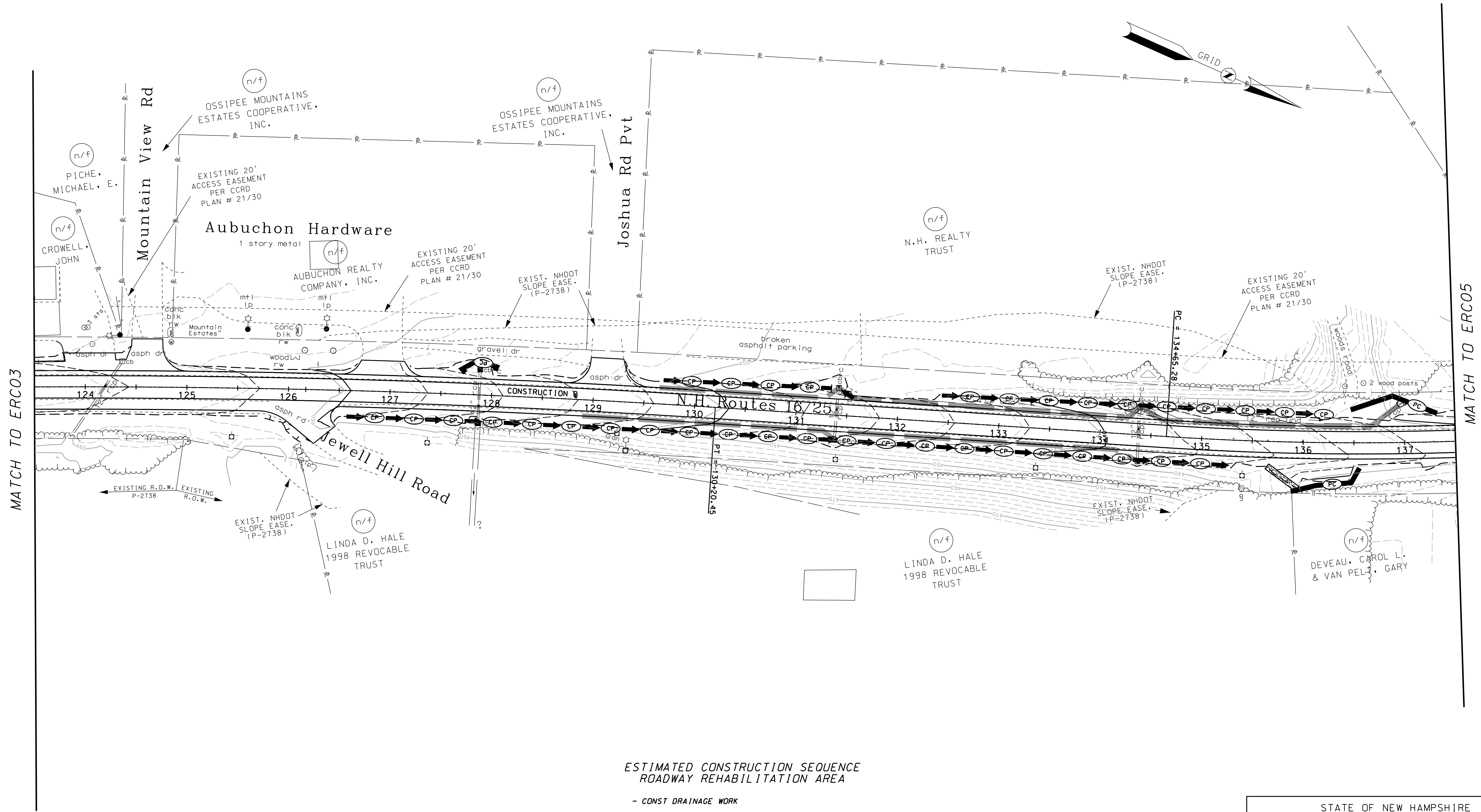


STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC03	14749erc	14749	16	28



SDR PROCESSED		NAME1	DATE	DATE1
NEW DESIGN		NAME2	DATE	DATE2
SHEET CHECKED		NAME3	DATE	DATE3
AS BUILT DETAILS			DATE	

REVISIONS AFTER PROPOSAL	DESCRIPTION
STATION	
STATION	
DATE	
NUMBER	



**ESTIMATED CONSTRUCTION SEQUENCE  
ROADWAY REHABILITATION AREA**

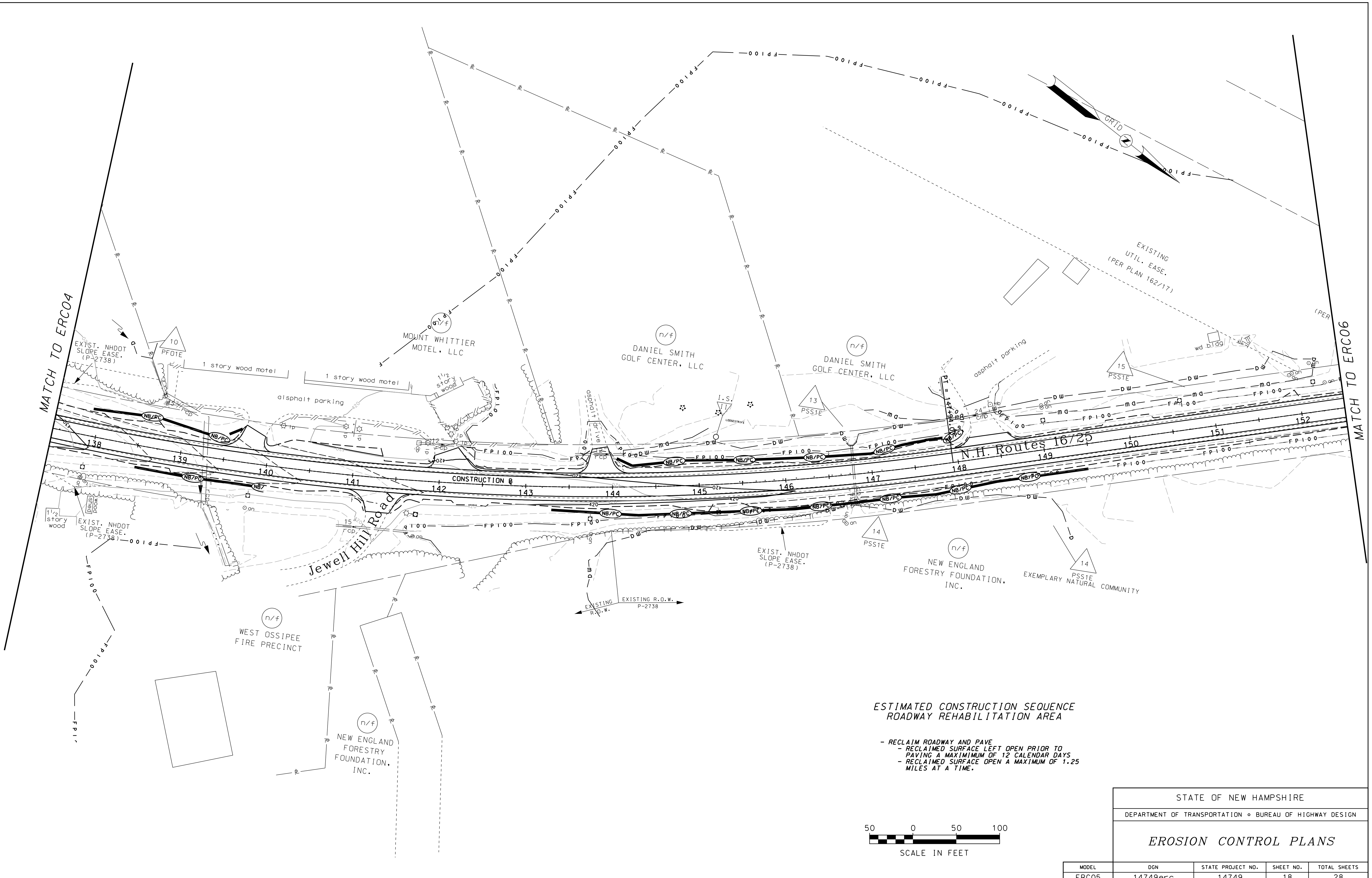
- CONST DRAINAGE WORK
- RECLAIM ROADWAY AND PAVE
  - RECLAIMED SURFACE LEFT OPEN PRIOR TO PAVING A MAXIMUM OF 12 CALENDAR DAYS
  - RECLAIMED SURFACE OPEN A MAXIMUM OF 1.25 MILES AT A TIME.



STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC04	14749erc	14749	17	28

SDR PROCESSED		NAME1	DATE	DATE1	DATE	DATE2	DATE	DATE3	DATE	DATE4
NEW DESIGN		NAME2	DATE	DATE1	DATE	DATE2	DATE	DATE3	DATE	DATE4
SHEET CHECKED		NAME3	DATE	DATE1	DATE	DATE2	DATE	DATE3	DATE	DATE4
AS BUILT DETAILS			DATE	DATE1	DATE	DATE2	DATE	DATE3	DATE	DATE4

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
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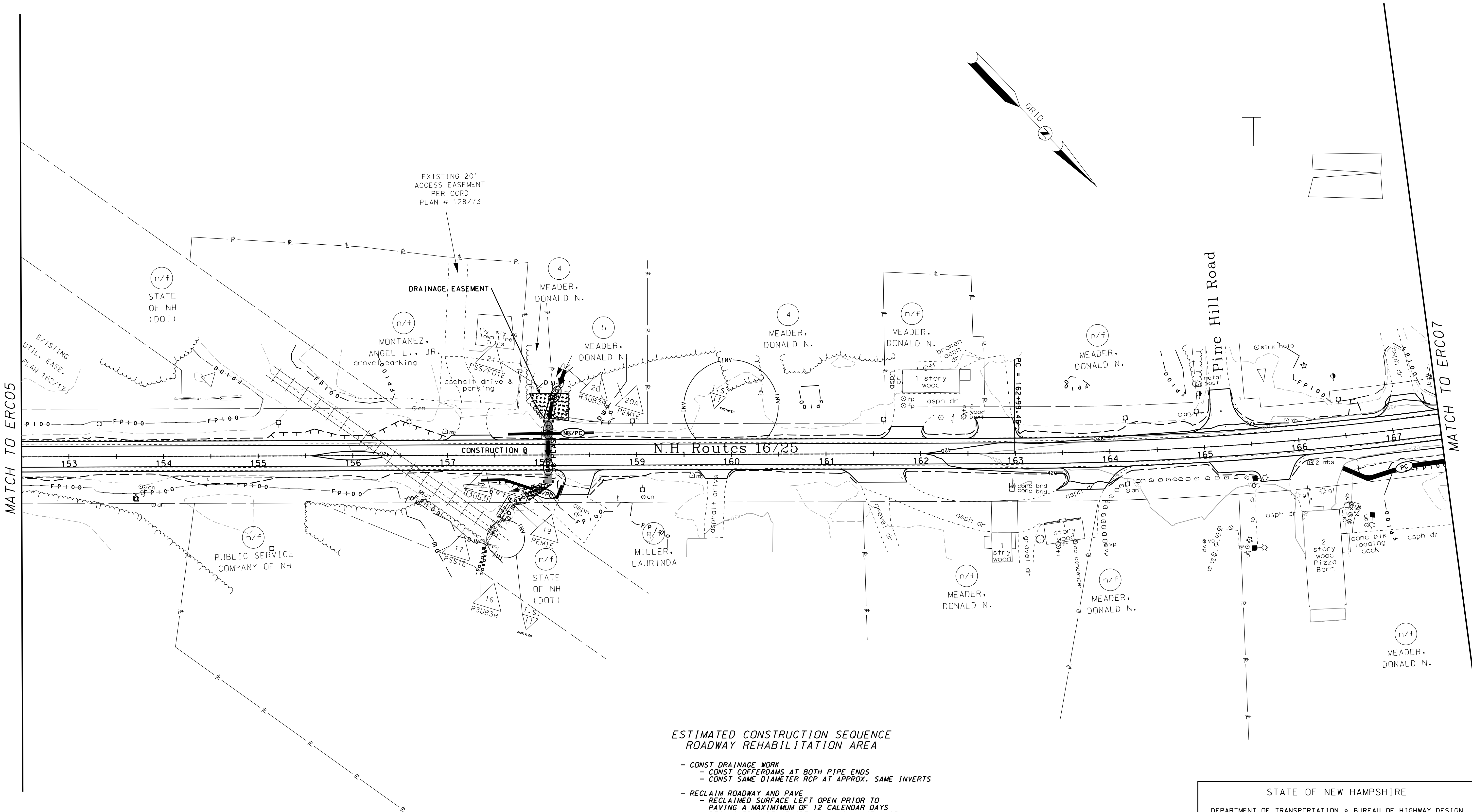
**ESTIMATED CONSTRUCTION SEQUENCE  
ROADWAY REHABILITATION AREA**

- RECLAIM ROADWAY AND PAVE
- RECLAIMED SURFACE LEFT OPEN PRIOR TO PAVING A MAXIMUM OF 12 CALENDAR DAYS
- RECLAIMED SURFACE OPEN A MAXIMUM OF 1.25 MILES AT A TIME.



STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC05	14749erc	14749	18	28

SDR PROCESSED	NAME1	DATE	DATE1	REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NEW DESIGN	NAME2	DATE	DATE2			
SHEET CHECKED	NAME3	DATE	DATE3			
AS BUILT DETAILS		DATE				



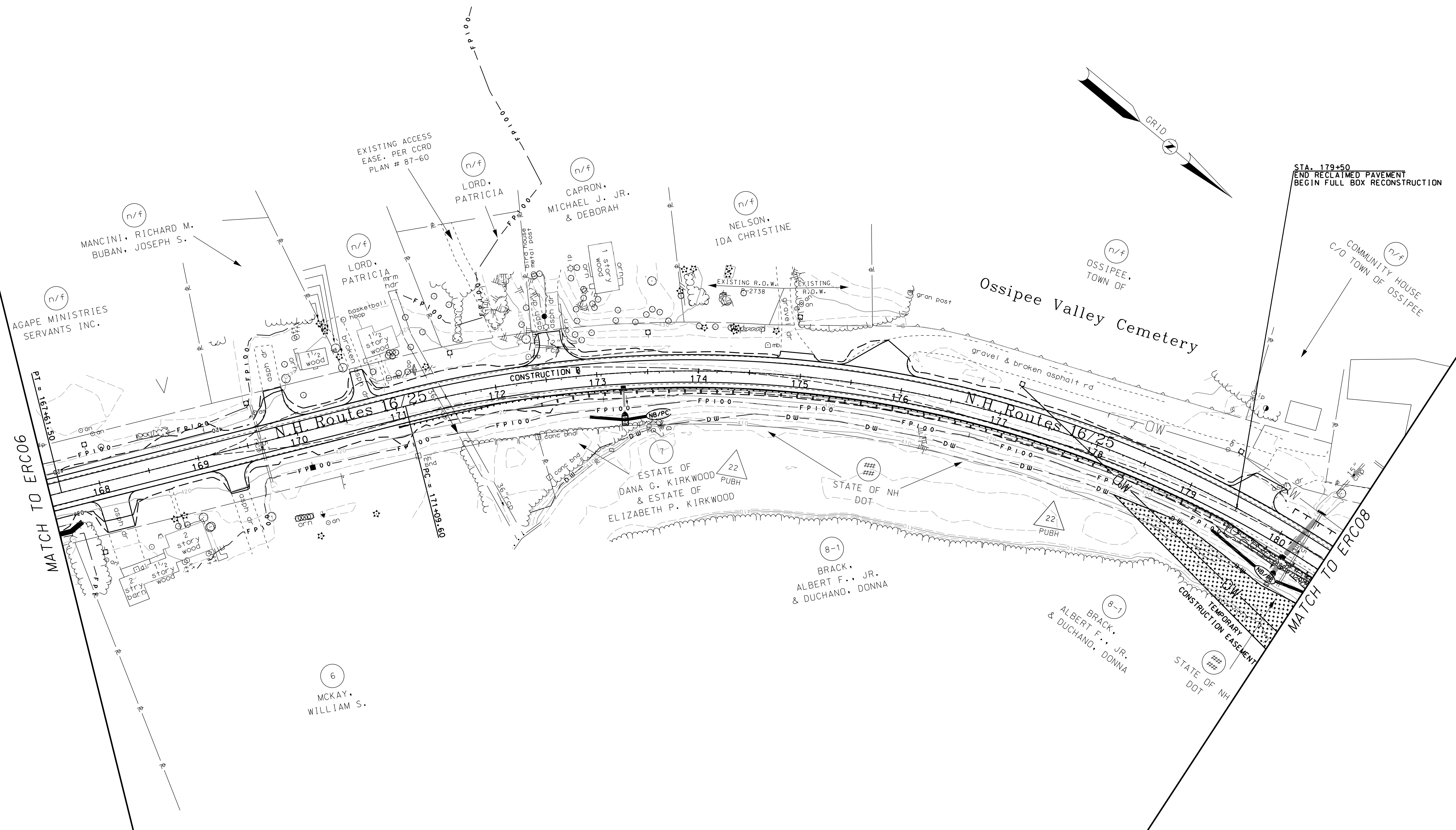
**ESTIMATED CONSTRUCTION SEQUENCE  
ROADWAY REHABILITATION AREA**

- CONST DRAINAGE WORK
  - CONST COFFERDAMS AT BOTH PIPE ENDS
  - CONST SAME DIAMETER RCP AT APPROX. SAME INVERTS
- RECLAIM ROADWAY AND PAVE
  - RECLAIMED SURFACE LEFT OPEN PRIOR TO PAVING A MAXIMUM OF 12 CALENDAR DAYS
  - RECLAIMED SURFACE OPEN A MAXIMUM OF 1.25 MILES AT A TIME.



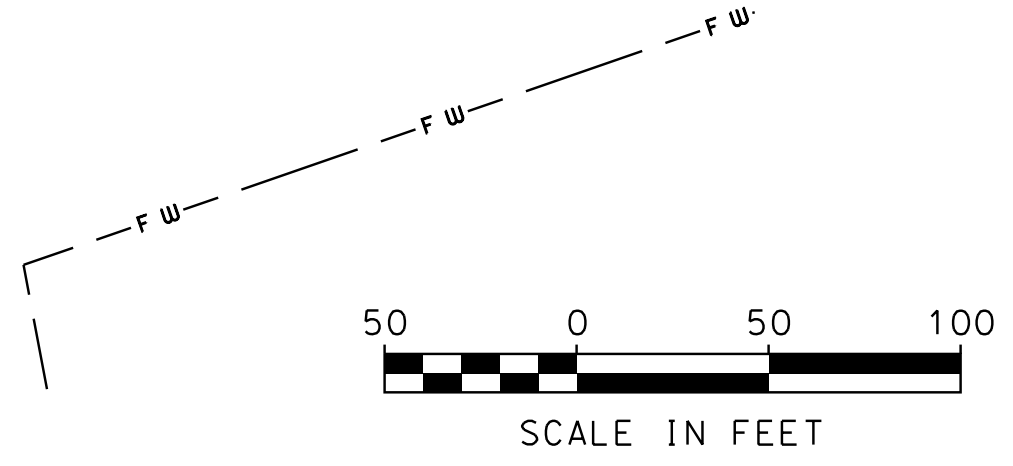
STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC06	14749erc	14749	19	28

SDR PROCESSED	NAME1	DATE	DATE1	STATION	DESCRIPTION
NEW DESIGN	NAME2	DATE	DATE2		
SHEET CHECKED	NAME3	DATE	DATE3		
AS BUILT DETAILS		DATE			



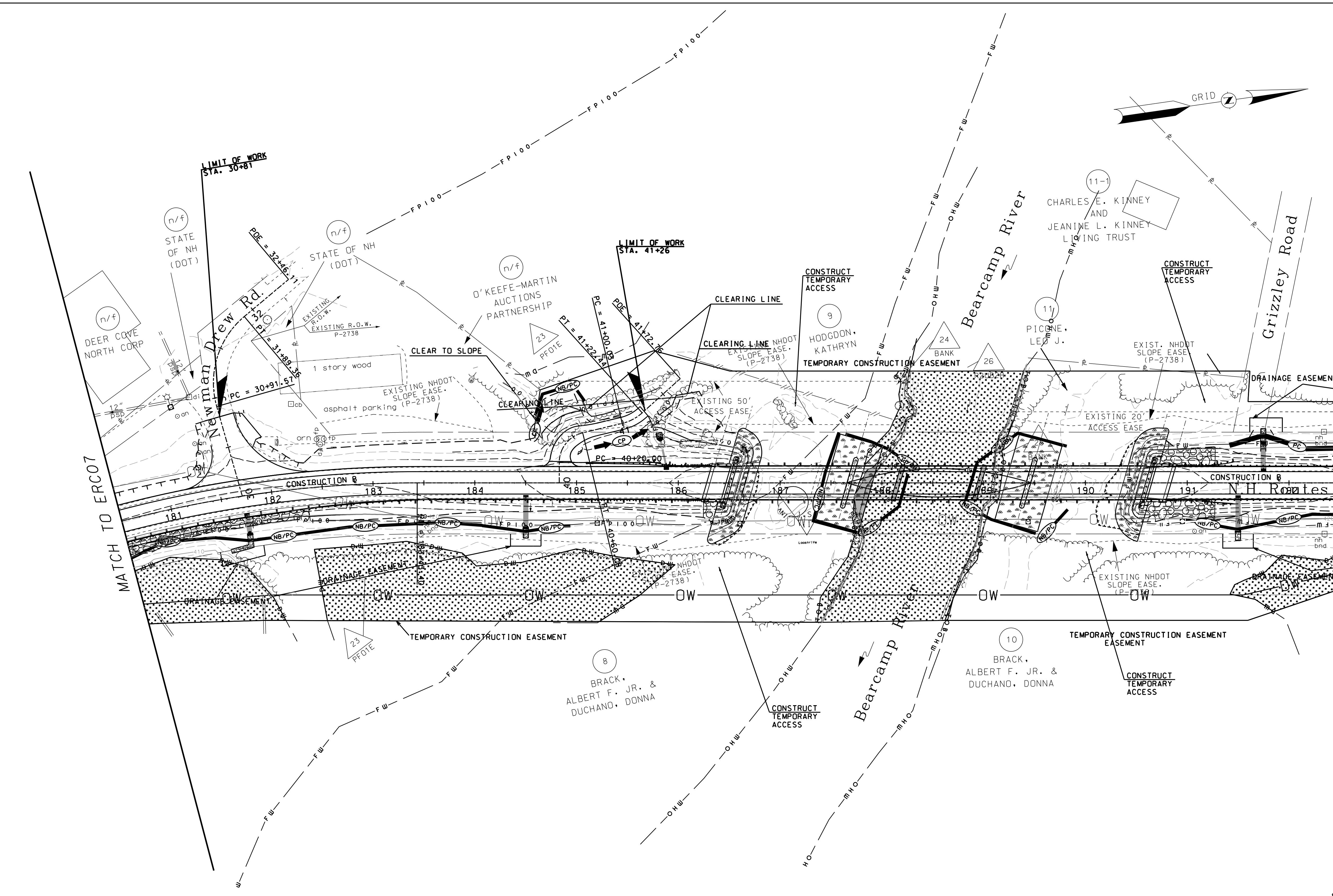
**ESTIMATED CONSTRUCTION SEQUENCE  
ROADWAY REHABILITATION AREA**

- CONST DRAINAGE WORK
- RECLAIM ROADWAY AND PAVE
  - RECLAIMED SURFACE LEFT OPEN PRIOR TO PAVING A MAXIMUM OF 12 CALENDAR DAYS
  - RECLAIMED SURFACE OPEN A MAXIMUM OF 1.25 MILES AT A TIME.



STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC07	14749erc	14749	20	28

SDR PROCESSED	NAME1	DATE	DATE1
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

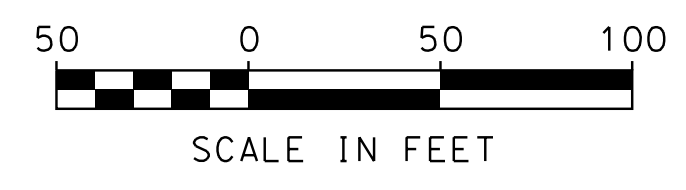


**ESTIMATED CONSTRUCTION SEQUENCE  
BEARCAMP RIVER BRIDGE**

- PRIOR TO ROAD CLOSURE**
- SET UP PERIMETER CONTROL.
  - CONSTRUCT STABLE TEMPORARY ACCESS ON EAST SIDE AND WEST SIDE OF BRIDGE FROM BOTH SIDES OF THE BRIDGE.
  - RELOCATE UTILITIES ON EAST SIDE OF BRIDGES FURTHER TO THE EAST WITHIN TEMPORARY CONSTRUCTION EASEMENT.
  - SET UP TRAFFIC CONTROL TO MAINTAIN ONE-LANE ALTERNATING TWO-WAY TRAFFIC.
  - DRIVE H-PILES AND PIPE PILES FOR NEW ABUTMENTS AND PIERS.
  - CONSTRUCT PORTIONS OF ABUTMENT AND PIER SUBSTRUCTURES ON PILES.
  - PLACE TEMPORARY BENTS ON EAST SIDE.
  - PLACE TEMPORARY BENTS ON WEST SIDE TO CONSTRUCT NEW SUPERSTRUCTURE AND DECK.
  - SET UP WATER DIVERSION STRUCTURE (I.E. SANDBAGS) AROUND LOCATION OF NEW PIERS.
  - DEWATER AREA AROUND NEW PIERS.
- DURING ROAD CLOSURE**
- DEMO EXISTING BRIDGE BY EITHER Laterally SLIDING BRIDGE TO TEMPORARY BENTS ON EAST SIDE OF BRIDGE OR USING MECHANICAL METHODS TO CUT AND LIFT OUT PORTIONS.
  - INSTALL STONE FILL AROUND NEW PIERS AND ABUTMENTS.
  - Laterally SLIDE PROPOSED SUPERSTRUCTURE FROM TEMPORARY BENTS ON WEST SIDE OF BRIDGE ONTO PROPOSED SUBSTRUCTURE.
  - CONSTRUCT ROADWAY APPROACHES TO PROPOSED BRIDGE.
- AFTER ROAD CLOSURE**
- REMOVE WATER DIVERSION STRUCTURE.
  - REMOVE TEMPORARY ACCESS.
  - STABILIZE ACCESS AREA.
- ROADWAY WORK**
- CONST. DRAINAGE
  - CONST. FULL BOX ROADWAY

MATCH TO ERC09

MATCH TO ERC07



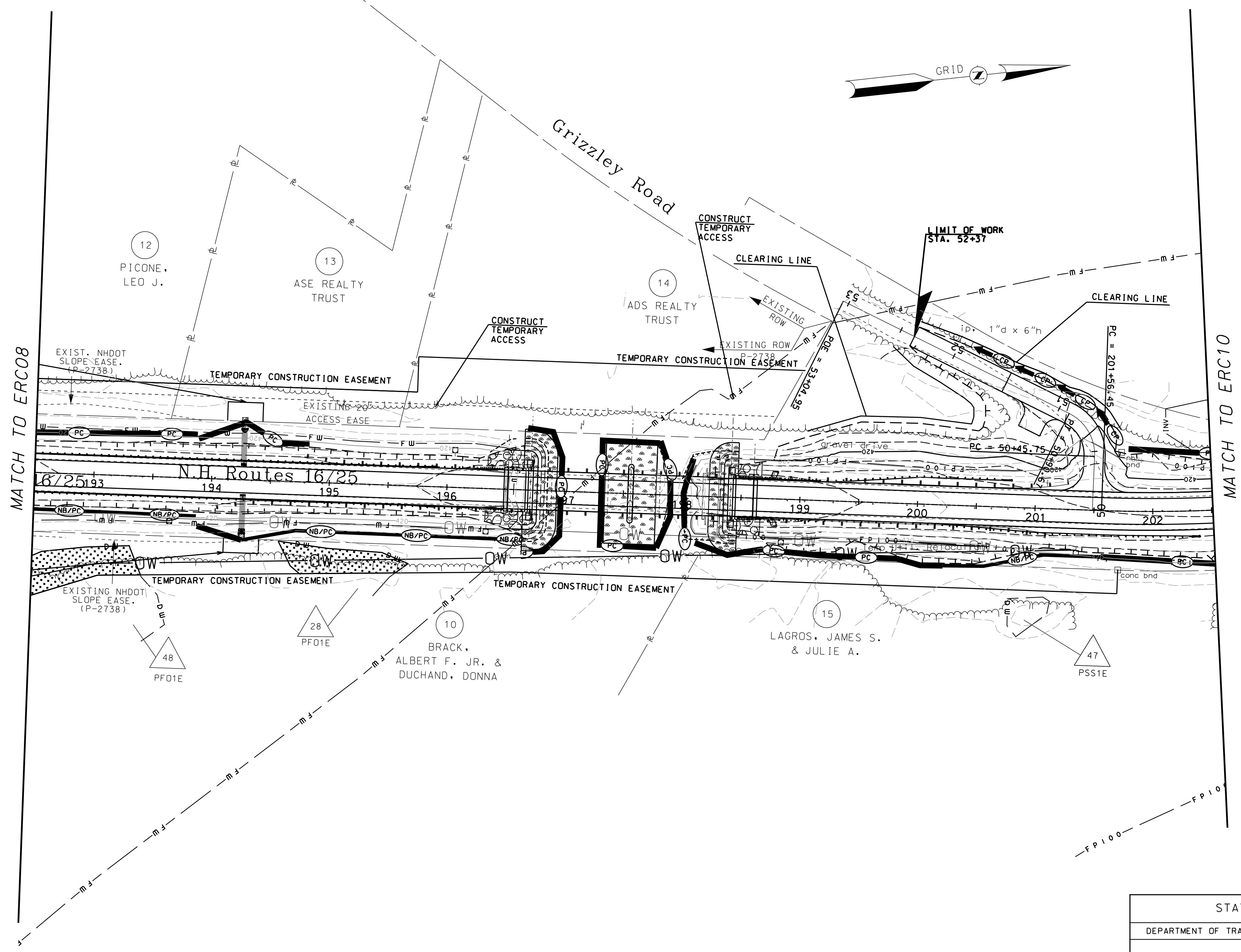
STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC08	14749erc	14749	21	28

SDR PROCESSED	NAME1	DATE	DATE1
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	

**ESTIMATED CONSTRUCTION SEQUENCE  
BEARCAMP RELIEF BRIDGE**

- PRIOR TO ROAD CLOSURE**
- SET UP PERIMETER CONTROL.
  - CONSTRUCT STABLE TEMPORARY ACCESS ON WEST SIDE OF BRIDGE FROM BOTH SIDES OF THE BRIDGE.
  - RELOCATE UTILITIES ON EAST SIDE OF BRIDGES FURTHER TO THE EAST WITHIN TEMPORARY CONSTRUCTION EASEMENT.
  - SET UP TRAFFIC CONTROL TO MAINTAIN ONE-LANE ALTERNATING TWO-WAY TRAFFIC.
  - DRIVE H-PILES AND PIPE PILES FOR NEW ABUTMENTS AND PIERS.
  - CONSTRUCT PORTIONS OF ABUTMENT AND PIER SUBSTRUCTURES ON PILES.
  - PLACE TEMPORARY BENTS ON WEST SIDE TO CONSTRUCT NEW SUPERSTRUCTURE AND DECK.
- DURING ROAD CLOSURE**
- DEMO EXISTING BRIDGE BY USING MECHANICAL METHODS TO CUT AND LIFT OUT PORTIONS.
  - INSTALL STONE FILL AROUND NEW PIERS AND ABUTMENTS.
  - LATERALLY SLIDE PROPOSED SUPERSTRUCTURE FROM TEMPORARY BENTS ON WEST SIDE OF BRIDGE ONTO PROPOSED SUBSTRUCTURE.
  - CONSTRUCT ROADWAY APPROACHES TO PROPOSED BRIDGE.
- AFTER ROAD CLOSURE**
- REMOVE TEMPORARY ACCESS.
  - STABILIZE ACCESS AREA.

- ROADWAY WORK**
- CONST. DRAINAGE
  - CONST. FULL BOX ROADWAY



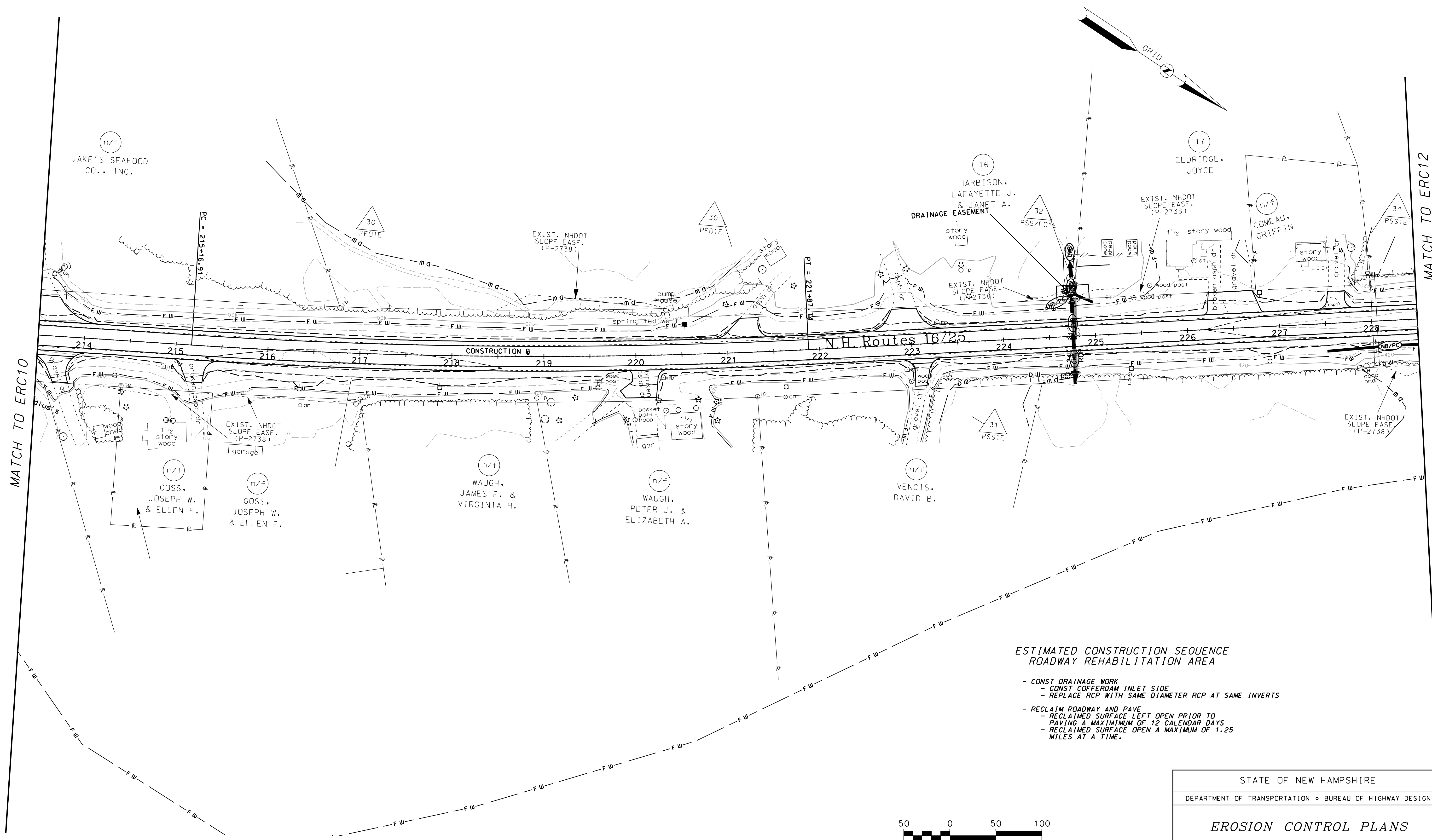
STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC09	14749erc	14749	22	28



REVISIONS AFTER PROPOSAL		STATION		DESCRIPTION	
NUMBER	DATE				

SDR PROCESSED	NAME1	DATE	DATE1
NEW DESIGN	NAME2	DATE	DATE2
SHEET CHECKED	NAME3	DATE	DATE3
AS BUILT DETAILS		DATE	



**ESTIMATED CONSTRUCTION SEQUENCE  
ROADWAY REHABILITATION AREA**

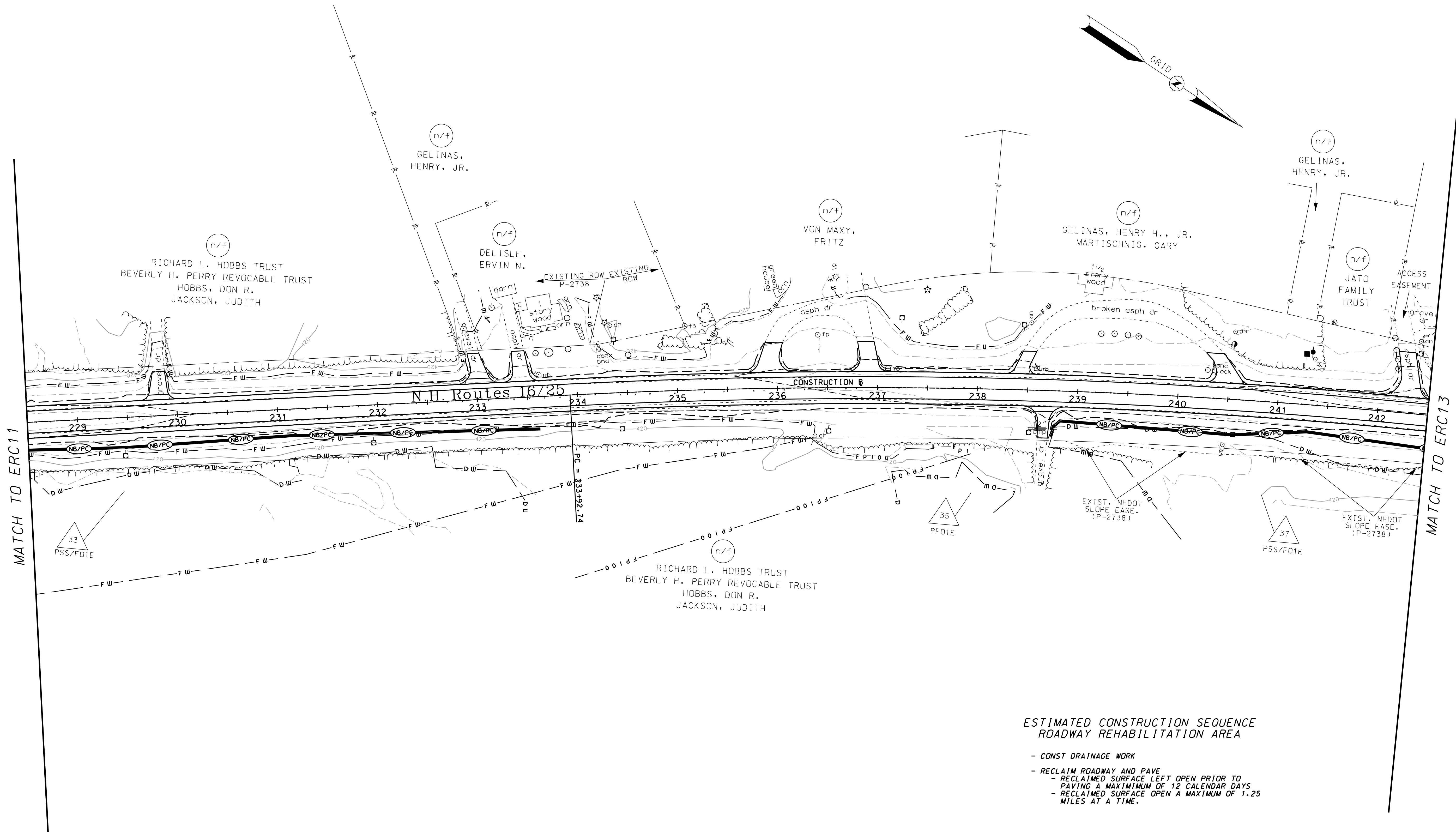
- CONST DRAINAGE WORK
- CONST COFFERDAM INLET SIDE
- REPLACE RCP WITH SAME DIAMETER RCP AT SAME INVERTS
- RECLAIM ROADWAY AND PAVE
- RECLAIMED SURFACE LEFT OPEN PRIOR TO PAVING A MAXIMUM OF 12 CALENDAR DAYS
- RECLAIMED SURFACE OPEN A MAXIMUM OF 1.25 MILES AT A TIME.

STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC11	14749erc	14749	24	28



SDR PROCESSED		NAME1	DATE	DATE1
NEW DESIGN		NAME2	DATE	DATE2
SHEET CHECKED		NAME3	DATE	DATE3
AS BUILT DETAILS			DATE	

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION



**ESTIMATED CONSTRUCTION SEQUENCE  
ROADWAY REHABILITATION AREA**

- CONST DRAINAGE WORK
- RECLAIM ROADWAY AND PAVE
  - RECLAIMED SURFACE LEFT OPEN PRIOR TO PAVING A MAXIMUM OF 12 CALENDAR DAYS
  - RECLAIMED SURFACE OPEN A MAXIMUM OF 1.25 MILES AT A TIME.

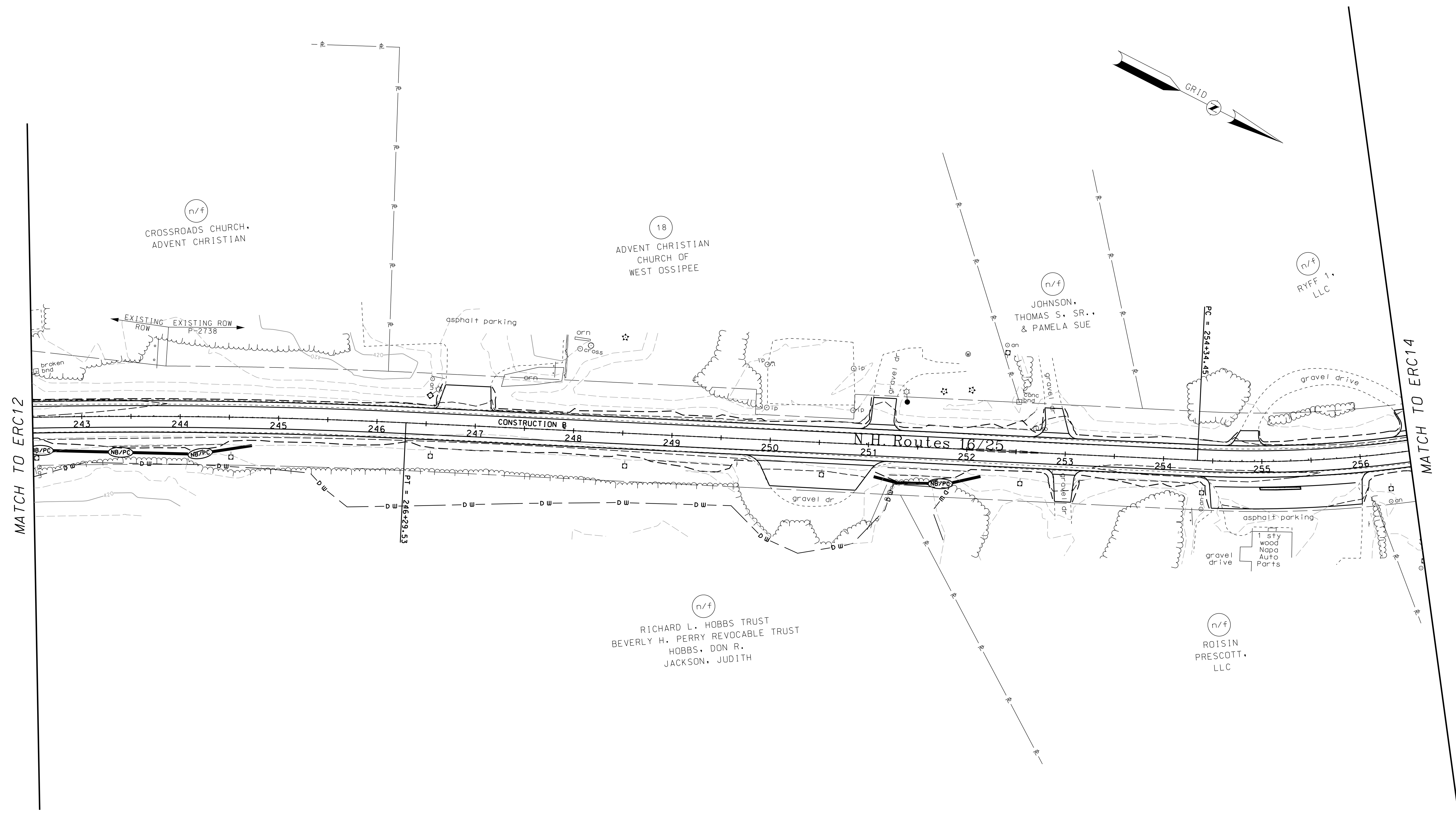


STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC12	14749erc	14749	25	28

SDR PROCESSED		NAME1	DATE	DATE1
NEW DESIGN		NAME2	DATE	DATE2
SHEET CHECKED		NAME3	DATE	DATE3
AS BUILT DETAILS				
REVISIONS AFTER PROPOSAL		STATION	DATE	DESCRIPTION

MATCH TO ERC12

MATCH TO ERC14



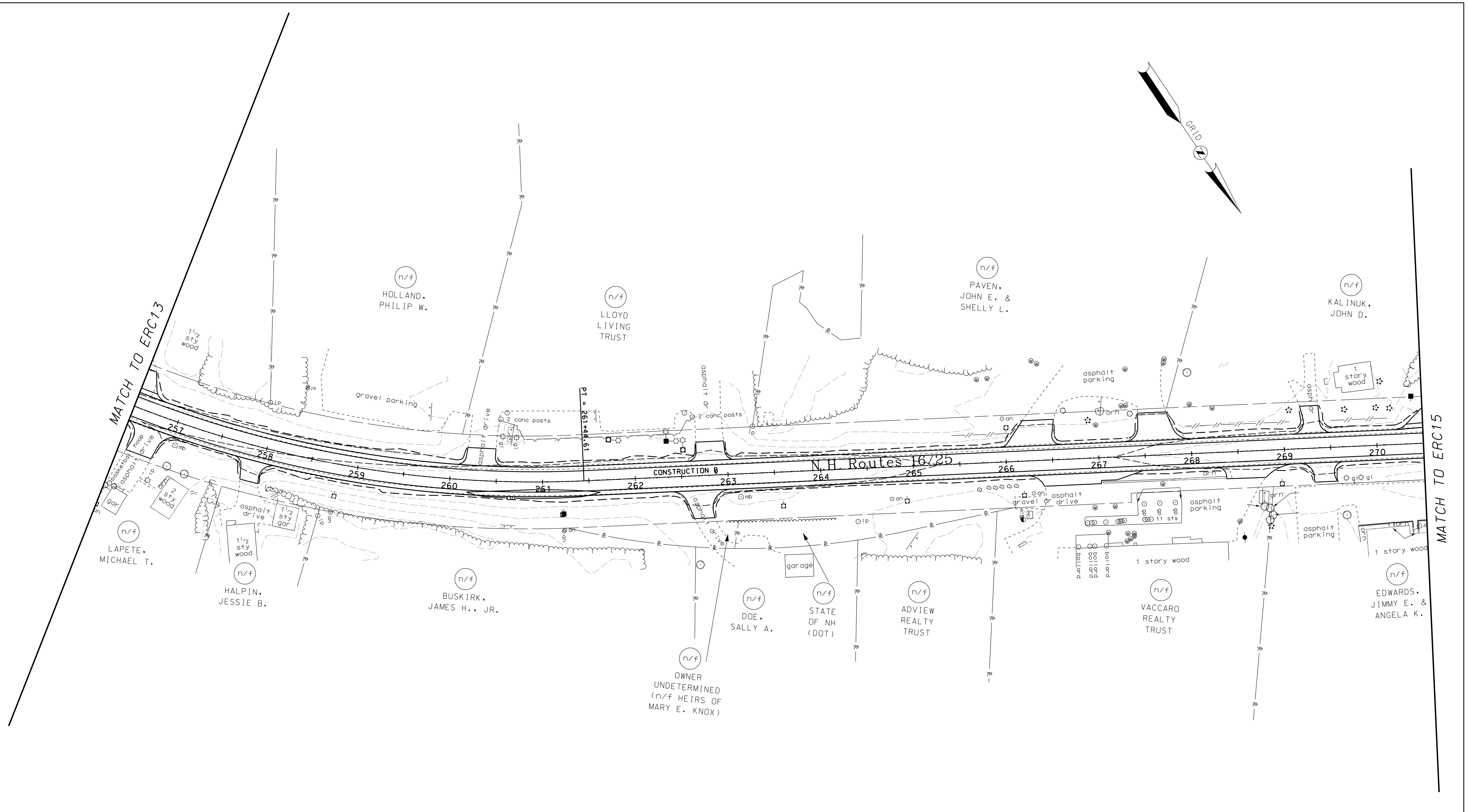
**ESTIMATED CONSTRUCTION SEQUENCE  
ROADWAY REHABILITATION AREA**

- CONST DRAINAGE WORK
- RECLAIM ROADWAY AND PAVE
  - RECLAIMED SURFACE LEFT OPEN PRIOR TO PAVING A MAXIMUM OF 12 CALENDAR DAYS
  - RECLAIMED SURFACE OPEN A MAXIMUM OF 1.25 MILES AT A TIME.



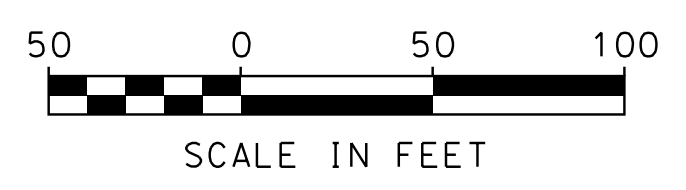
STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC13	14749erc	14749	26	28

SDR PROCESSED		NAME1	DATE	DATE1
NEW DESIGN		NAME2	DATE	DATE2
SHEET CHECKED		NAME3	DATE	DATE3
AS BUILT DETAILS				
REVISIONS AFTER PROPOSAL		STATION	DATE	DESCRIPTION



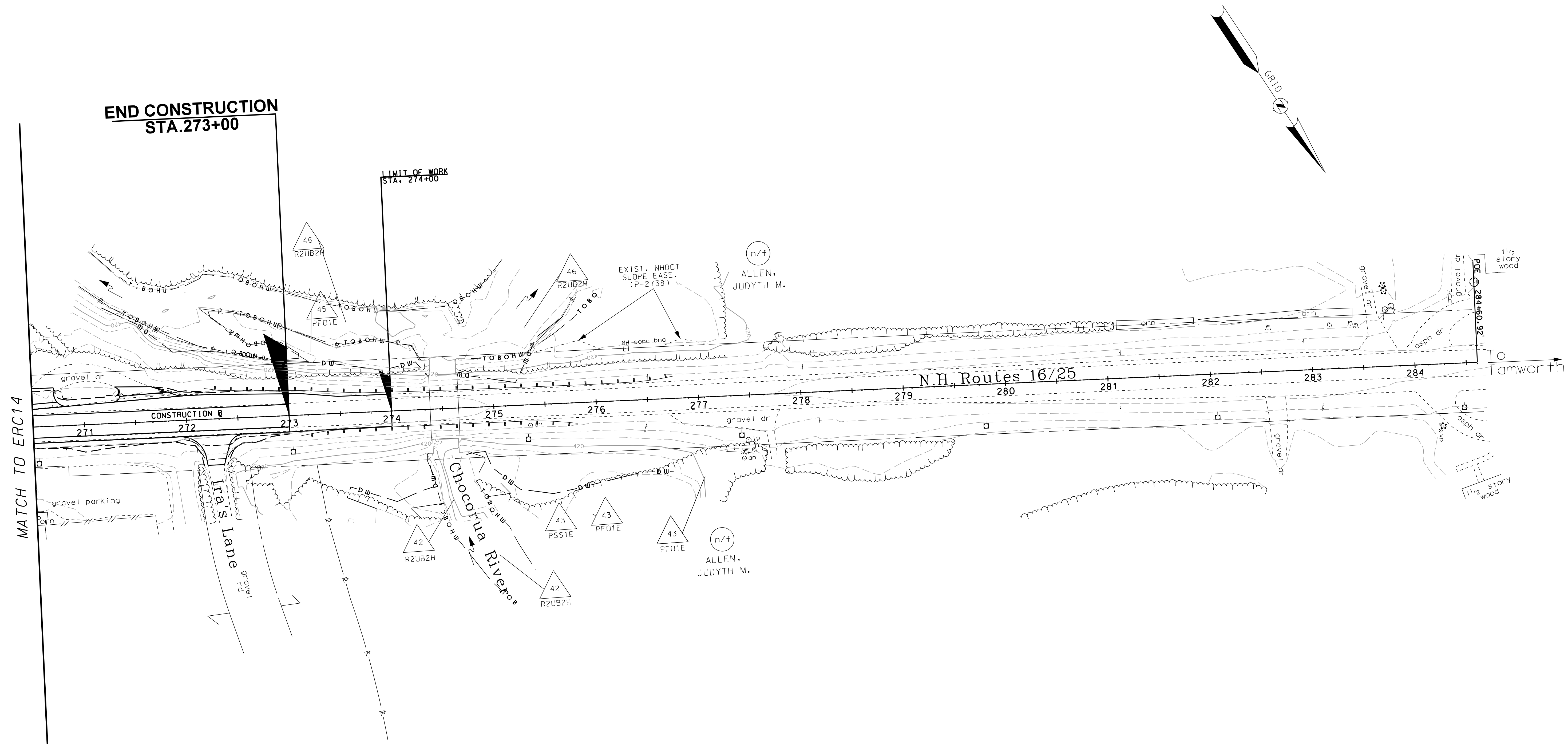
ESTIMATED CONSTRUCTION SEQUENCE  
ROADWAY REHABILITATION AREA

- CONST DRAINAGE WORK
- RECLAIM ROADWAY AND PAVE
  - RECLAIMED SURFACE LEFT OPEN PRIOR TO PAVING A MAXIMUM OF 12 CALENDAR DAYS
  - RECLAIMED SURFACE OPEN A MAXIMUM OF 1.25 MILES AT A TIME.



STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC14	14749erc	14749	27	28

SDR PROCESSED		NAME1	DATE	DATE1
NEW DESIGN		NAME2	DATE	DATE2
SHEET CHECKED		NAME3	DATE	DATE3
AS BUILT DETAILS			DATE	
REVISIONS AFTER PROPOSAL	STATION	STATION	DATE	DESCRIPTION



**ESTIMATED CONSTRUCTION SEQUENCE  
ROADWAY REHABILITATION AREA**

- CONST DRAINAGE WORK
- RECLAIM ROADWAY AND PAVE
  - RECLAIMED SURFACE LEFT OPEN PRIOR TO PAVING A MAXIMUM OF 12 CALENDAR DAYS
  - RECLAIMED SURFACE OPEN A MAXIMUM OF 1.25 MILES AT A TIME.



STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<b>EROSION CONTROL PLANS</b>				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
ERC15	14749erc	14749	28	28