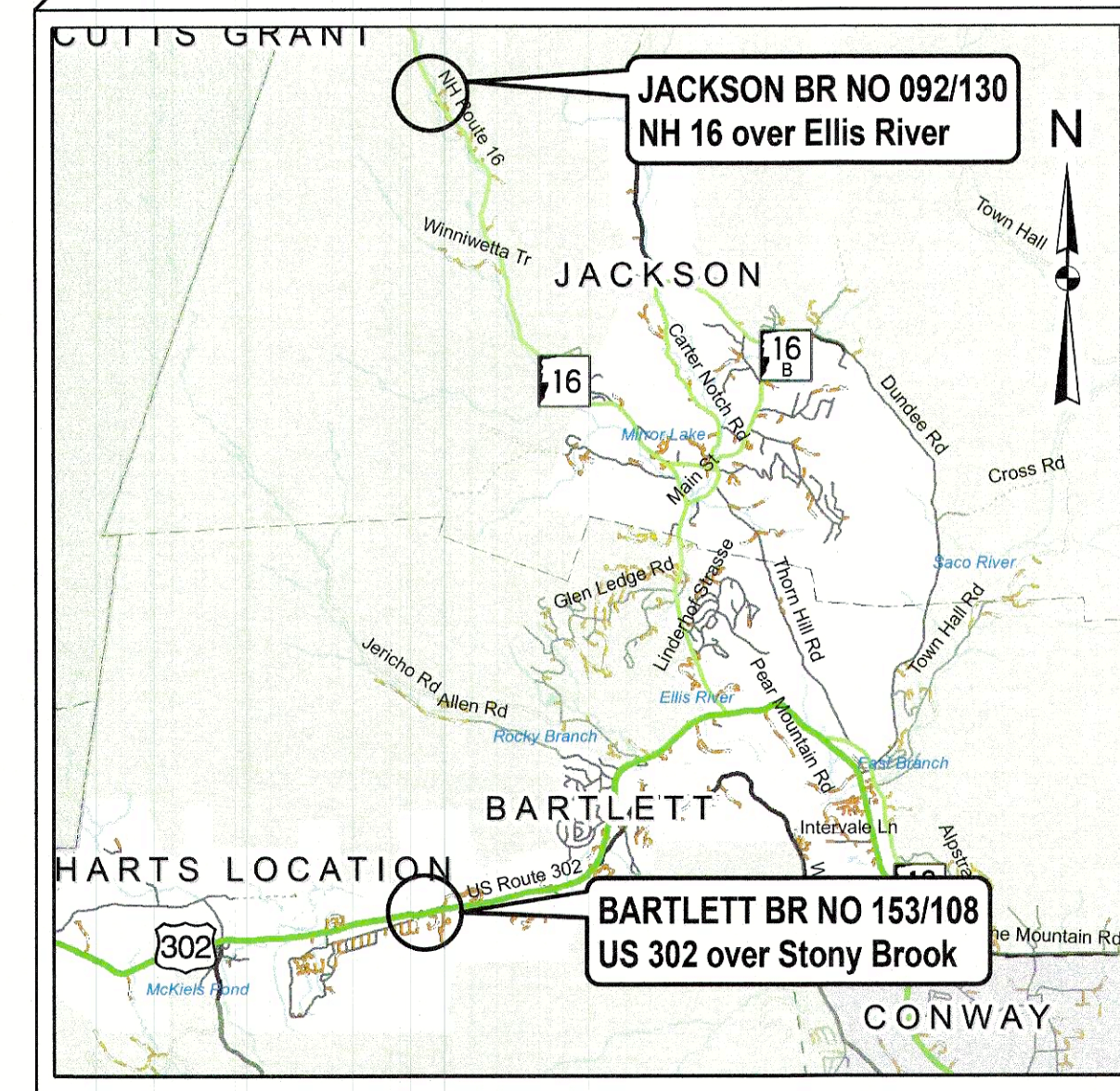


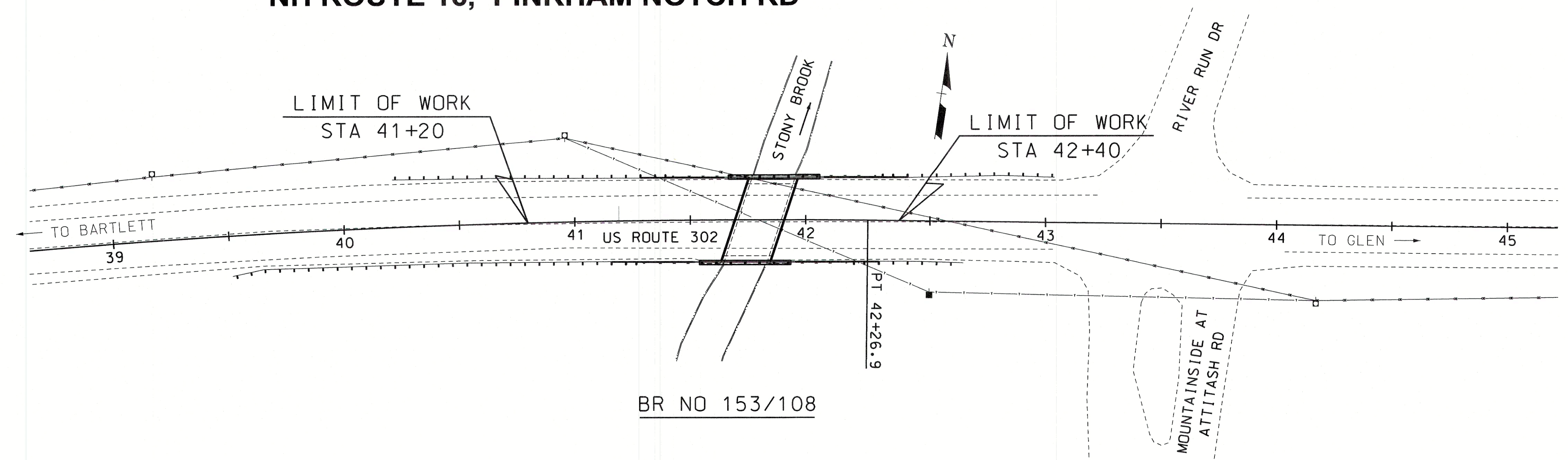
STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS
BRIDGE PRESERVATION PROJECT

X-A005(052)
N.H. PROJECT NO. 41989
US ROUTE 302, CRAWFORD NOTCH RD
NH ROUTE 16, PINKHAM NOTCH RD

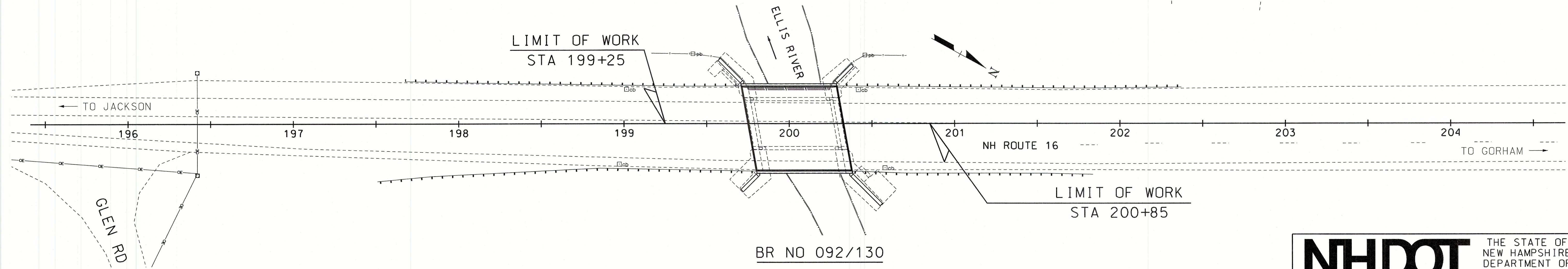
	DESIGN DATA	
	BR NO 153/108	BR NO 092/130
AVERAGE DAILY TRAFFIC 20_21	6,000 VPD	3,600 VPD
AVERAGE DAILY TRAFFIC 20_41	7,300 VPD	4,400 VPD
PERCENT OF TRUCKS	10%	9%
DESIGN SPEED	-	-
LENGTH OF PROJECT	120 LF	160 LF



LOCATION MAP



BR NO 153/108



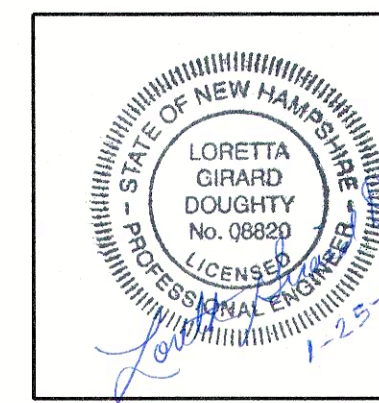
BR NO 092/130

TOWNS OF BARTLETT & JACKSON
COUNTY OF CARROLL
SCALE: 1" = 30'

DRAWN BY SMG DATE 1/20
CHECKED BY JEH DATE 1/21

NHDOT Bridge Design
11/25/21
SAMPLE PLAN
Details and notes may not be current.
Closely review before using details.

NHDOT THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION



RECOMMENDED FOR APPROVAL:
By: [Signature] DATE 1/25/2021
DIRECTOR OF PROJECT DEVELOPMENT
APPROVED: [Signature] DATE 1/25/21
ASSISTANT COMMISSIONER AND CHIEF ENGINEER

DRAWING NAME	FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
41989fsc	X-A005(052)	41989	1	13

GENERAL NOTES

SHEET NO.	DESCRIPTION
1	TITLE PAGE
2	INDEX OF SHEETS AND GENERAL NOTES
3.4	STANDARD SYMBOLS
5	NOTES AND QUANTITIES
BRIDGE PLANS	
6-10	BRIDGE NUMBER 153/108
10-13	BRIDGE NUMBER 092/130

- ① FOR STANDARD PLANS, SEE DEPARTMENT OF TRANSPORTATION WEBSITE AT: WWW.NH.GOV/DOT/ORG/PROJECTDEVELOPMENT/HIGHWAYDESIGN/STANDARDPLANS/INDEX.HTM.
- ② HIGH TENSION OVERHEAD TRANSMISSION LINES ARE LOCATED THROUGHOUT THE PROJECT WITH CROSSINGS AT VARIOUS LOCATIONS AND RUNNING ALONG THE ROAD THROUGHOUT THE PROJECT EVEN ON REGULAR POLES. THE CONTRACTOR IS ADVISED THAT EXTREME CAUTION WILL BE REQUIRED IN THE OPERATION OF EQUIPMENT, ESPECIALLY CRANES AND PILE DRIVING EQUIPMENT.
- ③ MODIFY SUPERELEVATION ON EXISTING CURVES BY THE USE OF A LEVELING COURSE TO THE RATES INDICATED ON THE PLANS OR AS ORDERED.
- ④ EXISTING DELINEATORS AND WITNESS MARKERS THAT ARE REMOVED AND DETERMINED BY THE ENGINEER TO BE IN ACCEPTABLE CONDITION SHALL BE RESET (SUBSIDIARY). ADDITIONAL DELINEATORS AND WITNESS MARKERS ORDERED WILL BE PAID UNDER THE APPROPRIATE ITEMS OF THE CONTRACT.
- ⑤ NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
- ⑥ PERFORM ALL WORK WITHIN THE EXISTING RIGHT-OF-WAY, UNLESS OTHERWISE SHOWN ON THE PLANS OR AS ORDERED BY THE ENGINEER.
- ⑦ REMOVE UNPROTECTED PROJECT MARKERS (SUBSIDIARY).
- ⑧ SURVEY DATA FOR THIS PROJECT WAS COLLECTED BY SDR AND THE FIELD NOTES CAN BE FOUND IN THE FIELD BOOK(S) ----- . COORDINATES ARE NEW HAMPSHIRE STATE PLANE COORDINATES OF NAD83, ---- ADJUSTMENT AND THE BEARINGS ARE GRID. ELEVATIONS ARE REFERENCED TO ---- ----.
- ⑨ QUANTITIES FOR EMBANKMENT AND EXCAVATION FOR SLOPE ROUNDINGS AS SHOWN ON THE TYPICALS HAVE NOT BEEN CALCULATED AND ARE NOT INCLUDED IN THE QUANTITY SUMMARIES, AND ARE CONSIDERED SUBSIDIARY TO THE APPROPRIATE 203 ITEMS.

THE FOLLOWING GENERAL NOTES WILL BE USED ON THIS PROJECT:											
①	②	○	○	⑤	⑥	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	○	○	○

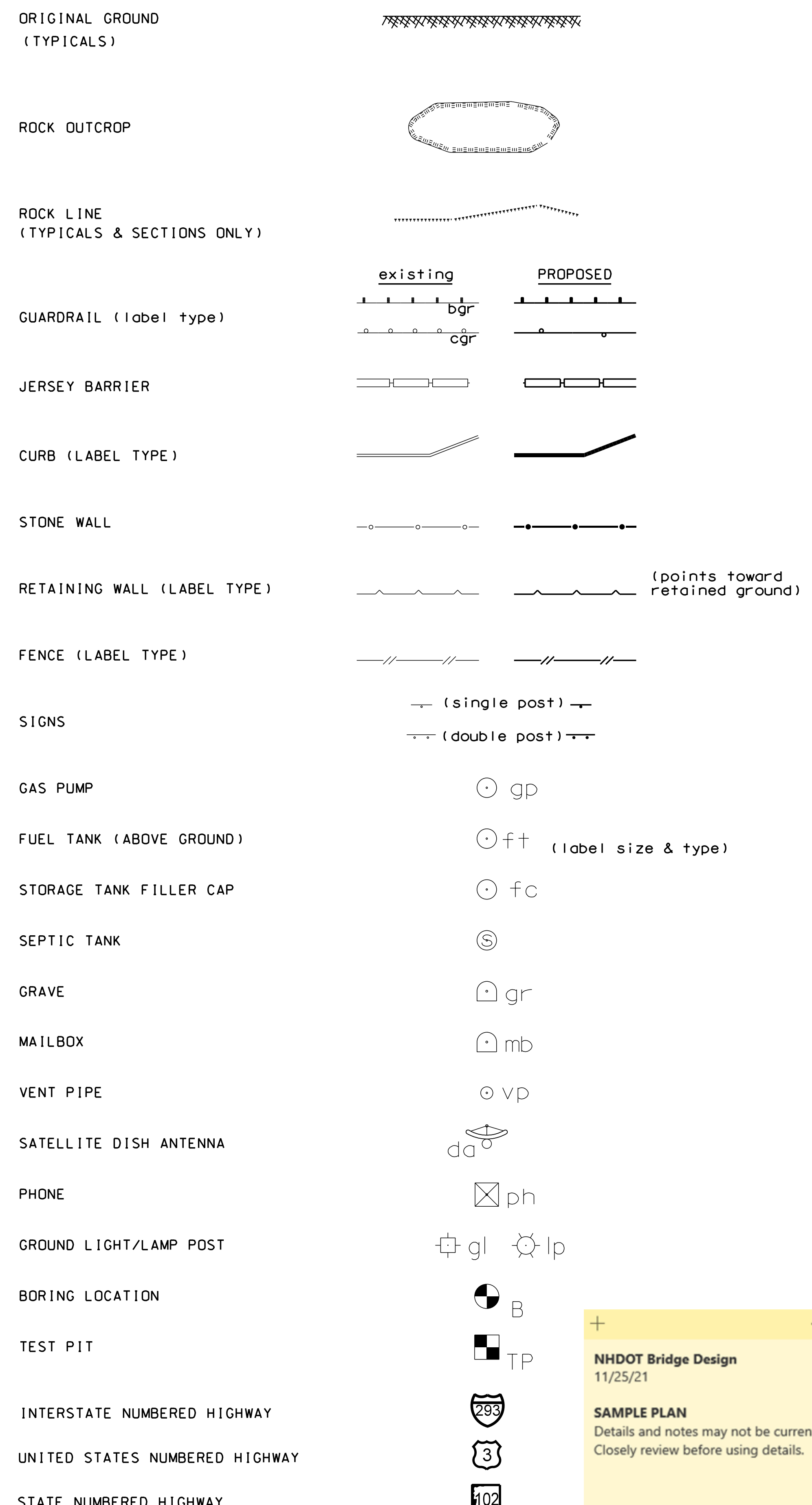
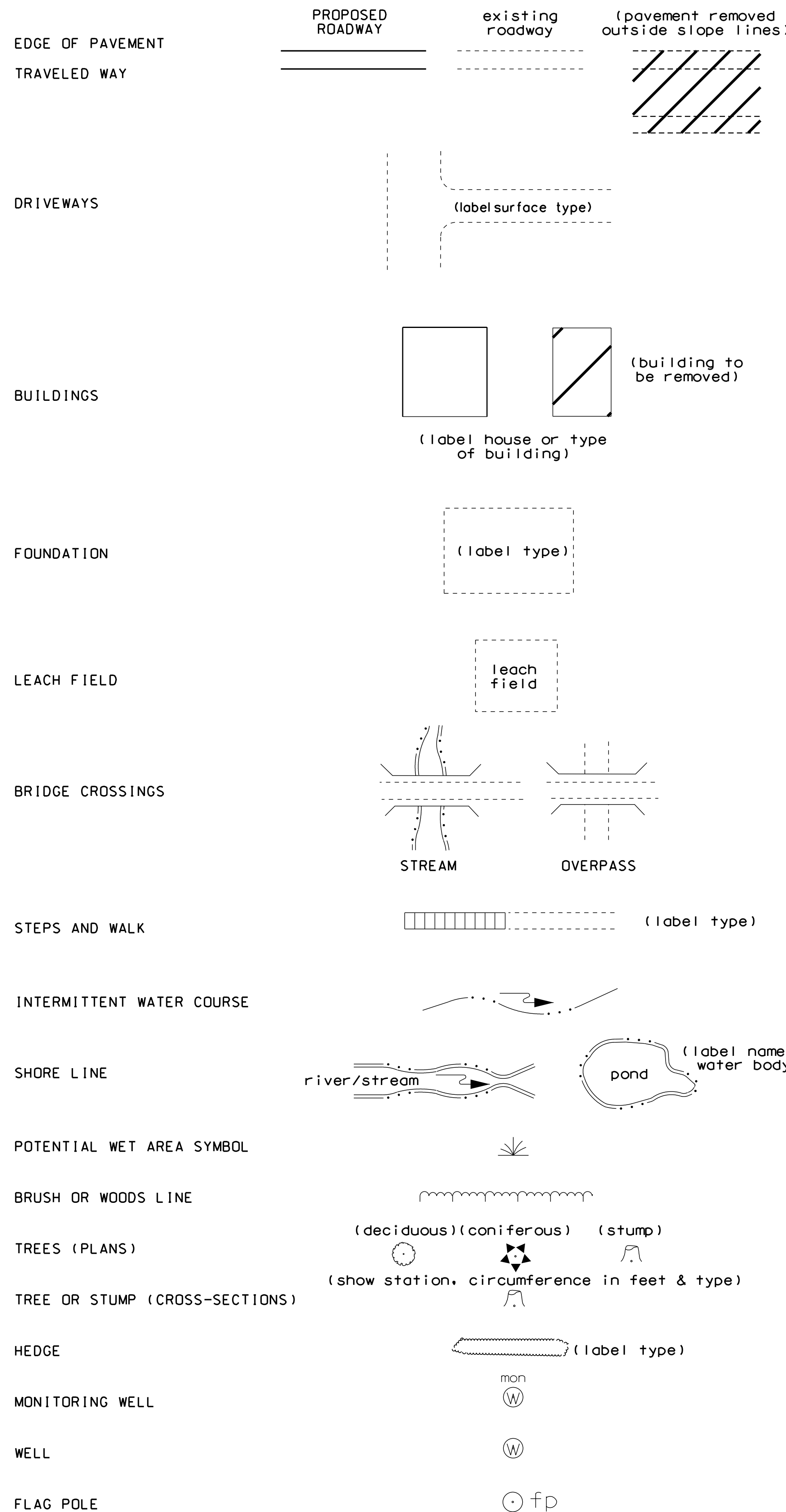
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NHDOT Bridge Design
11/25/21

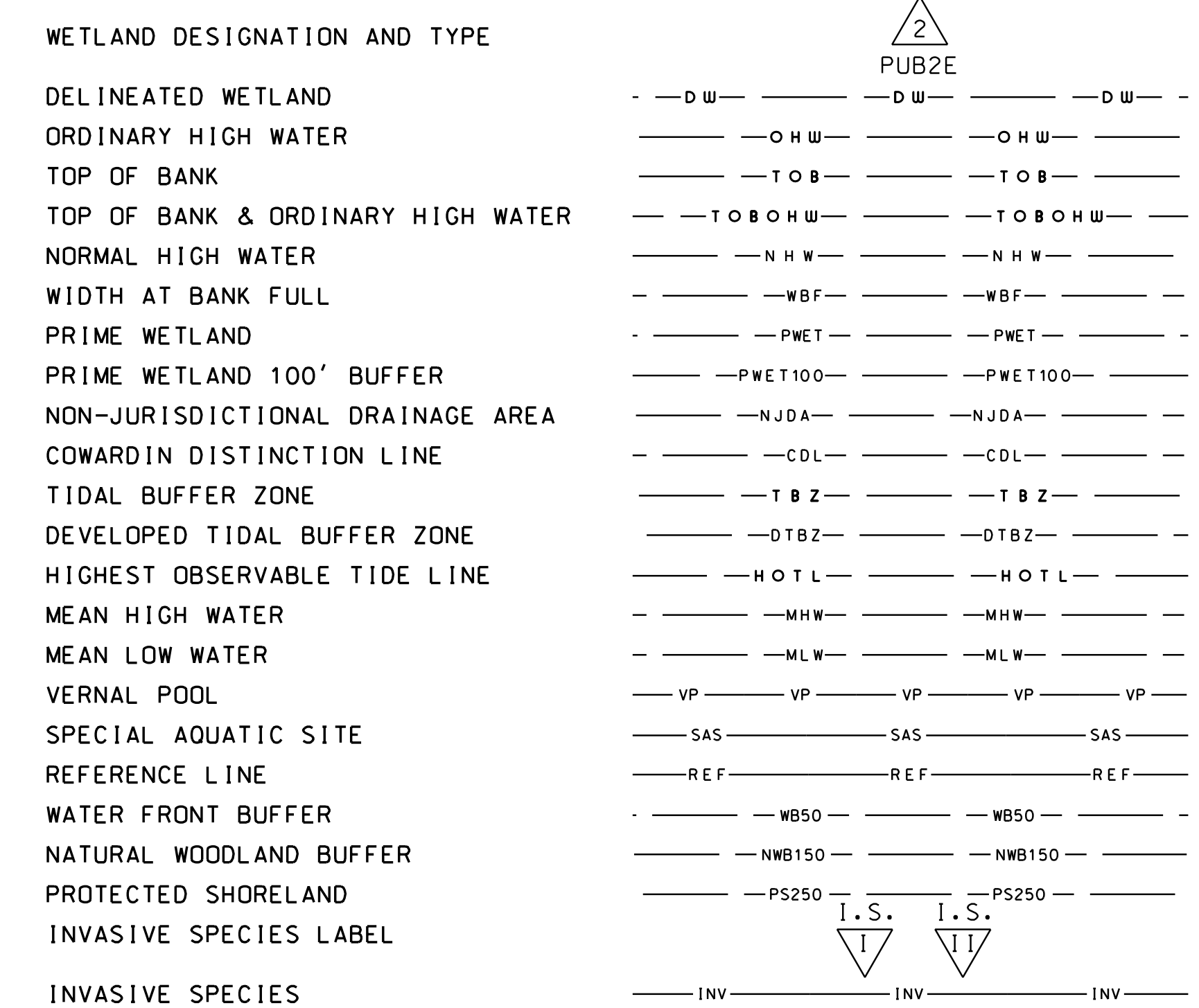
SAMPLE PLAN
Details and notes may not be current.
Closely review before using details.

STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
<i>INDEX OF SHEETS AND GENERAL NOTES</i>				
REVISION DATE	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
9-1-2016	index_sheet	41989	2	13

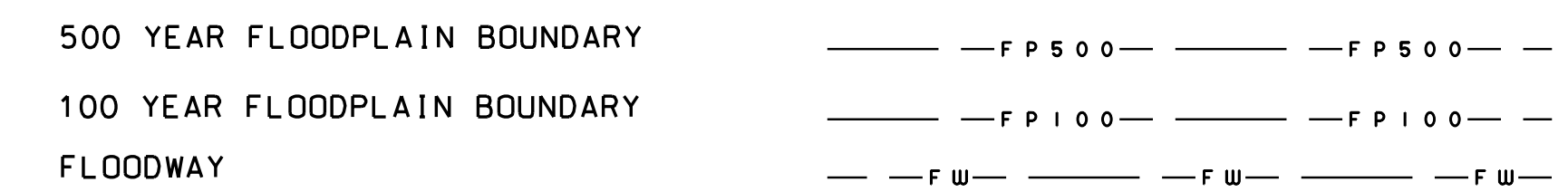
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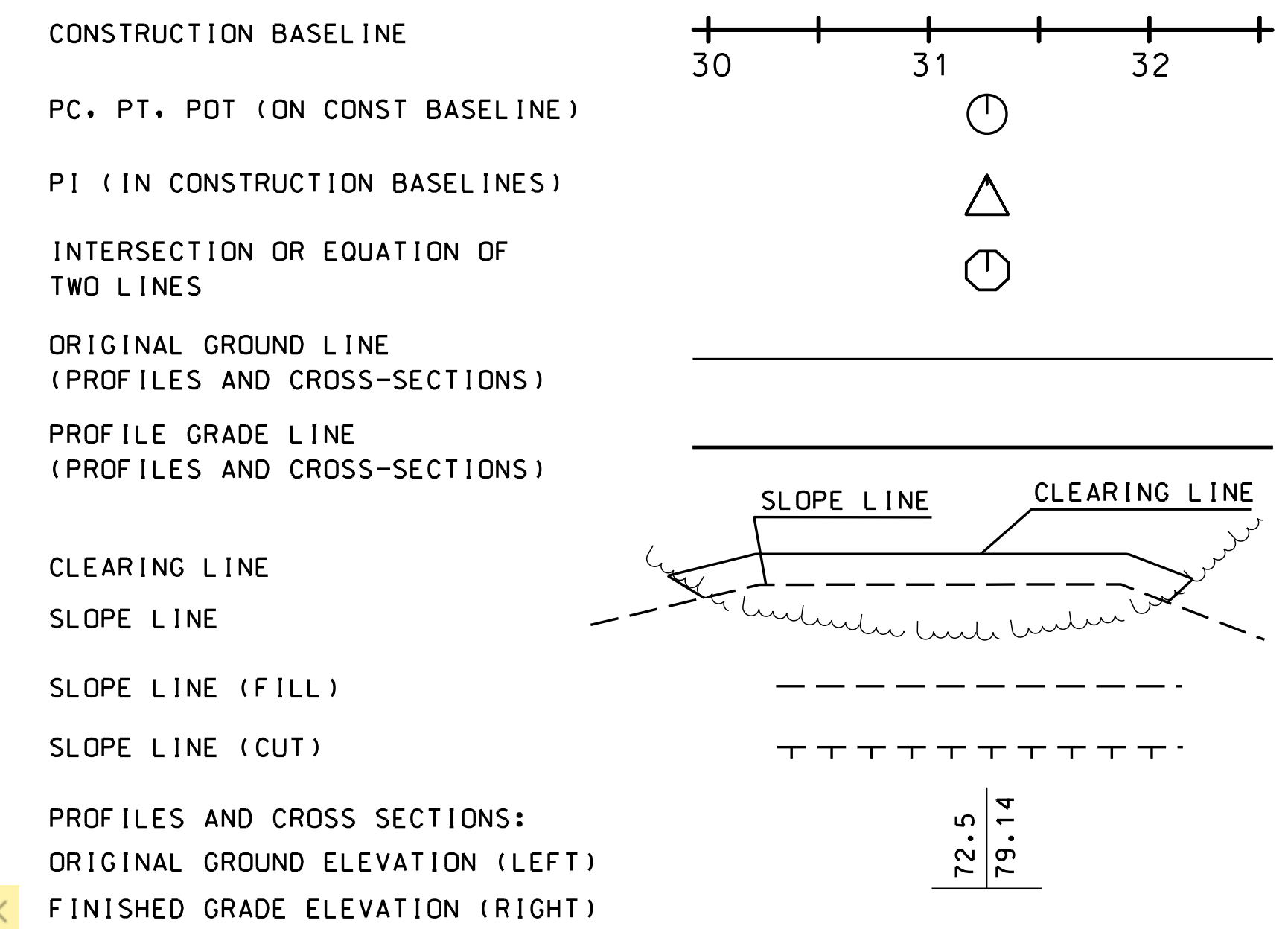
SHORELAND - WETLAND



FLOODPLAIN / FLOODWAY



ENGINEERING

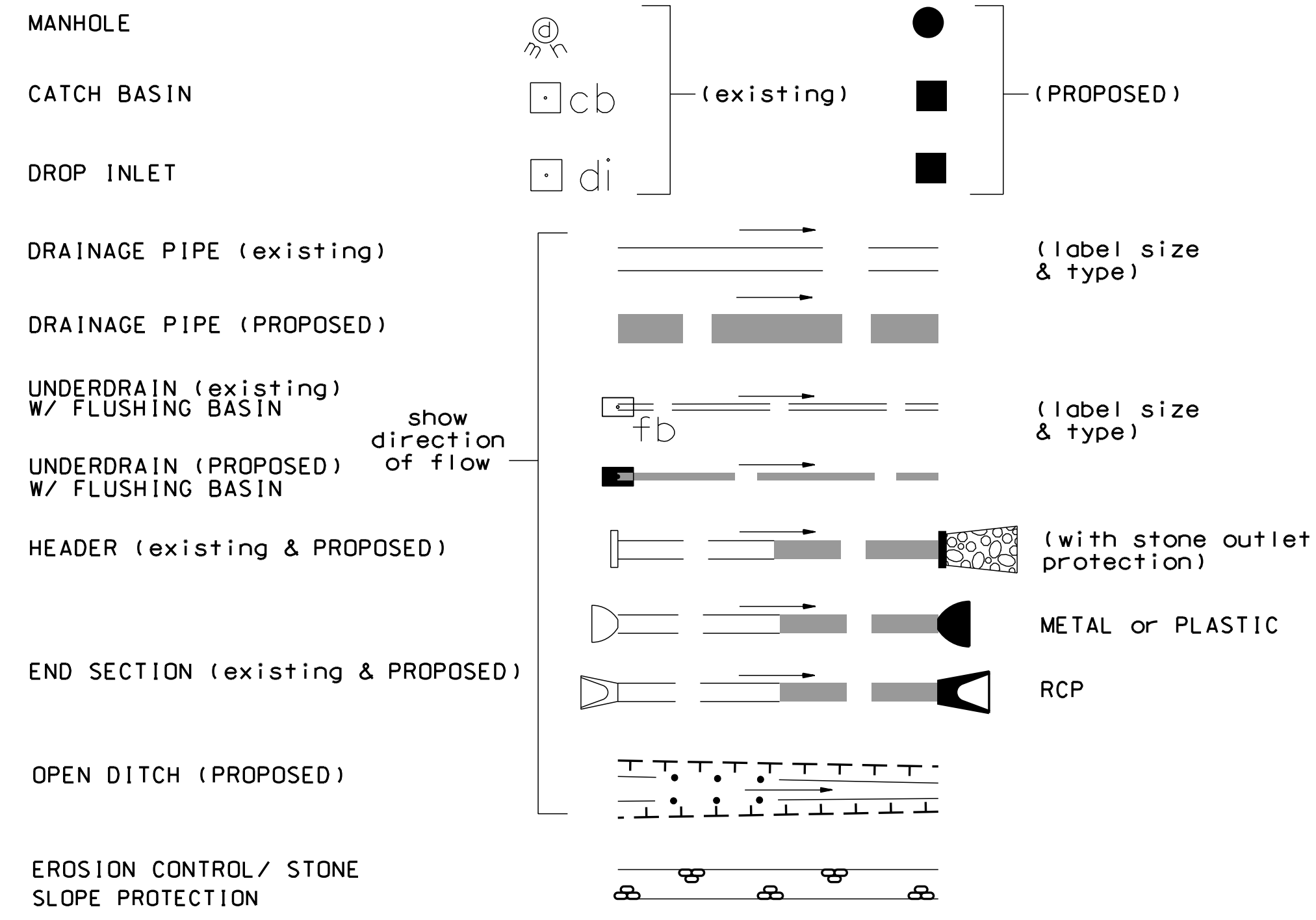


STATE OF NEW HAMPSHIRE
 DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN
STANDARD SYMBOLS

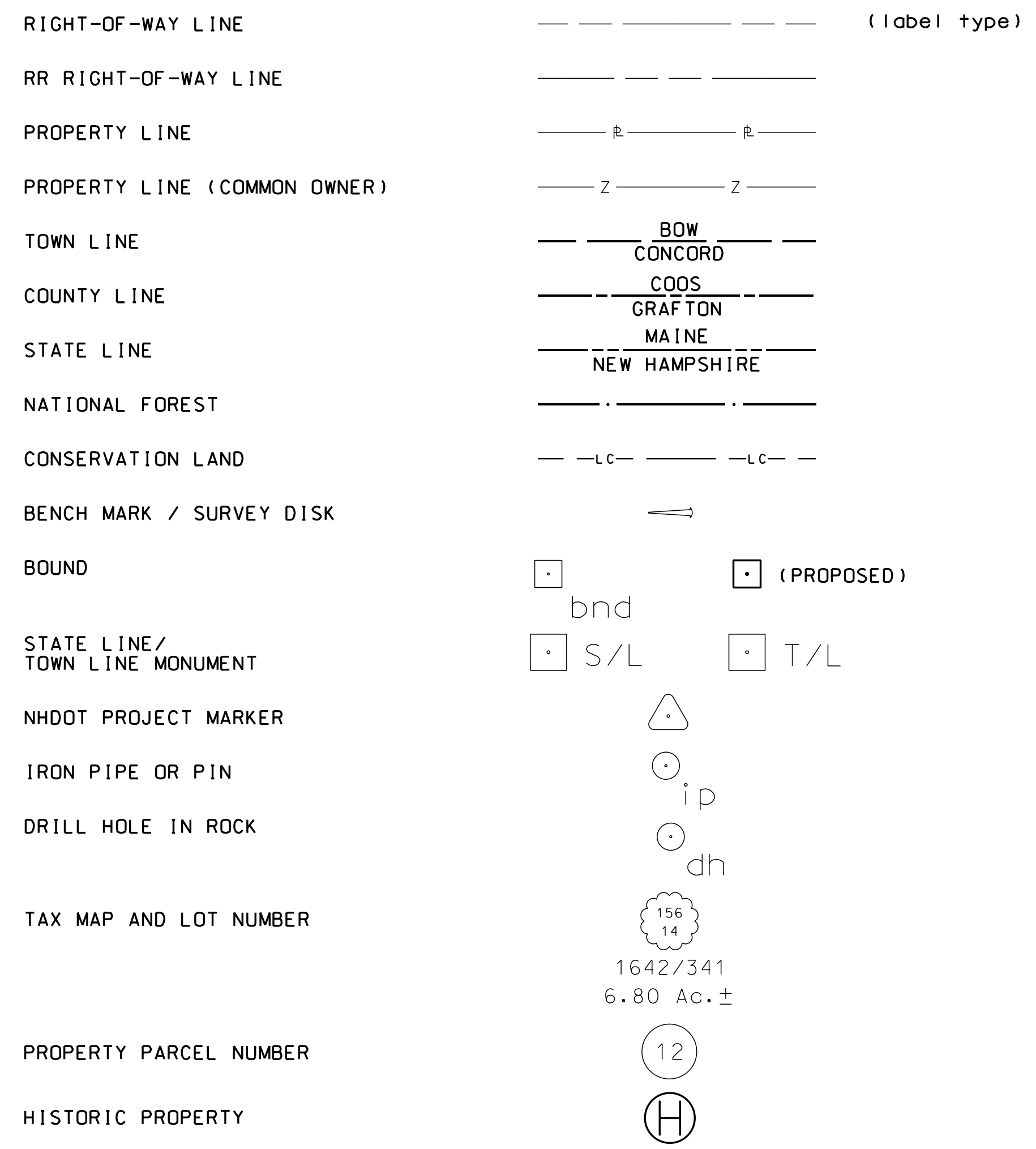
REVISION DATE	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
11-21-2014	stdsyml_2	41989	3	13

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NHDOT Bridge Design
 11/25/21
SAMPLE PLAN
 Details and notes may not be current.
 Closely review before using details.

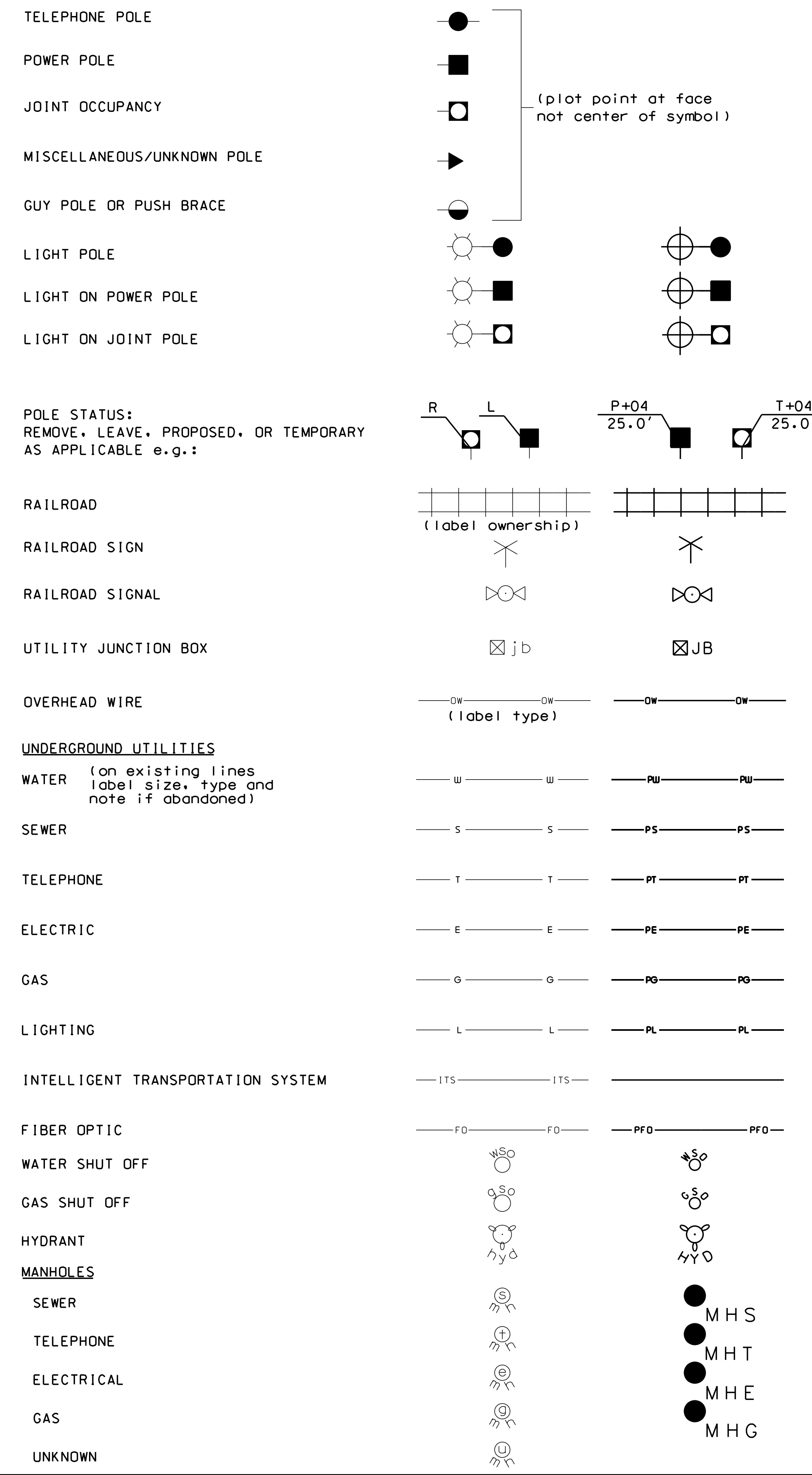
DRAINAGE



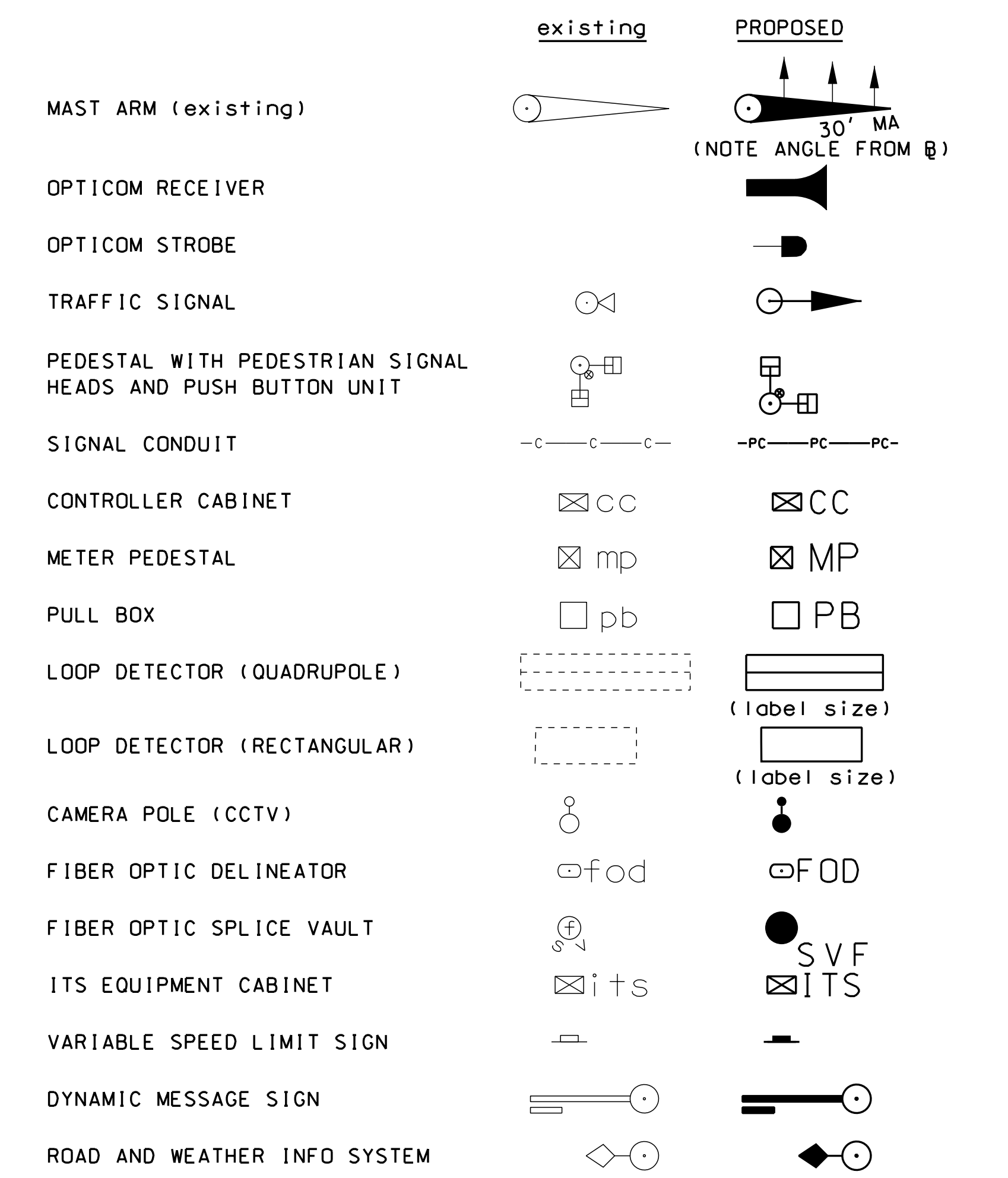
BOUNDARIES / RIGHT-OF-WAY



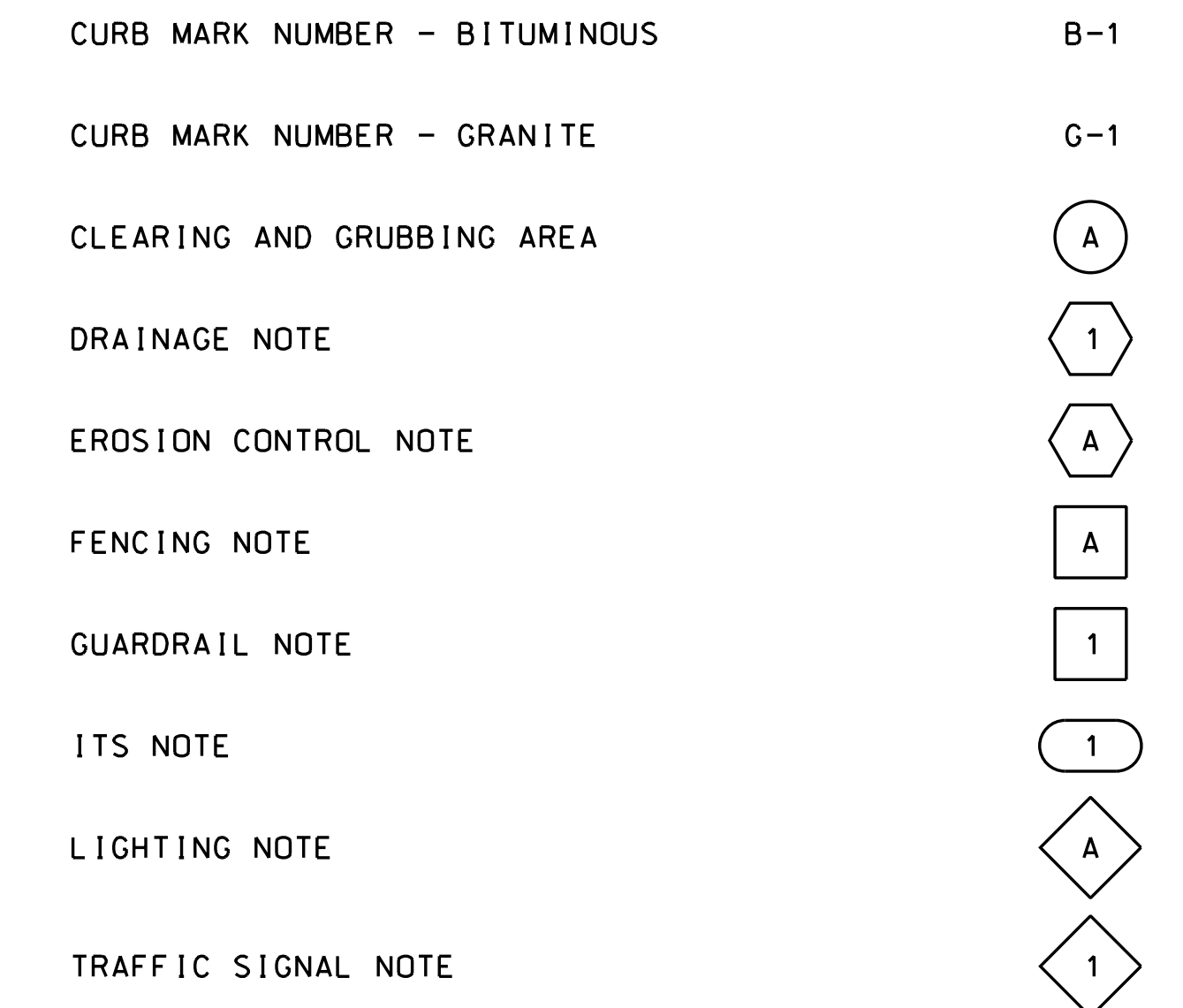
UTILITIES



TRAFFIC SIGNALS / ITS



CONSTRUCTION NOTES



NHDOT Bridge Design
11/25/21

SAMPLE PLAN
Details and notes may not be current.
Closely review before using details.

STATE OF NEW HAMPSHIRE				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
STANDARD SYMBOLS				
REVISION DATE	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
9-1-2016	stdsyml1_2	41989	4	13

SCOPE OF WORK

- BARTLETT BR NO 153/108**
US ROUTE 302 over STONY BROOK
 - REMOVE AND REPLACE DECK PAVEMENT AND MEMBRANE
 - FULL AND PARTIAL DEPTH DECK REPAIRS
 - INSTALL 6" CRACK SEAL AT BOTH FRAME ENDS
 - REPAIR SPALLS ON ABUTMENTS AND WINGS
- JACKSON BR NO 092/130**
NH ROUTE 16 over ELLIS RIVER
 - REMOVE AND REPLACE DECK PAVEMENT AND MEMBRANE
 - FULL AND PARTIAL DEPTH DECK REPAIRS
 - INSTALL 6" CRACK SEAL AT BOTH FRAME ENDS
 - REPAIR SPALLS ON ABUTMENTS AND WINGS
 - REPAIR AND POINT STONE MASONRY

MATERIALS AND SPECIFICATIONS

- SPECIFICATIONS: AASHTO 9TH EDITION, 2020, LRFD BRIDGE DESIGN SPECIFICATIONS WELDING PER AASHTO/AWS D1.5-02 & NHDOT 2016 STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, AS AMENDED
- CONCRETE: PARTIAL DEPTH DECK REPAIRS = 4000 psi
ITEM 520.01, CONCRETE CLASS AA
PARTIAL DEPTH DECK REPAIRS (OVERHEAD)
ITEM 521.22, FAST-SET CONCRETE PATCHING MORTAR (VERTICAL AND OVERHEAD)
FULL DEPTH DECK REPAIRS = 4000 psi
ITEM 520.02013, CONCRETE CLASS AA, ABOVE FOOTINGS (FULL DEPTH DECK REPAIR)
ABUTMENT AND WINGWALL REPAIR = 4000 psi
ITEM 520.02012, CONCRETE CLASS AA, ABOVE FOOTINGS (ABUT/WALL REPAIR)

TO THE CONTRACTOR

THE CONTRACTOR SHOULD BE AWARE THAT EXISTING STRUCTURE DIMENSIONS AND ELEVATIONS SHOWN ON THESE PLANS WERE TAKEN FROM ORIGINAL BRIDGE PLANS AND DO NOT NECESSARILY REPRESENT "AS BUILT" DIMENSIONS AND ELEVATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS OF THE EXISTING STRUCTURES AND BE PREPARED TO MAKE ANY ADJUSTMENTS REQUIRED TO PROPERLY REHABILITATE THE BRIDGE. ANY DISCREPANCIES IN DIMENSIONS, CHARACTER, OR EXTENT OF THE EXISTING FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO ADVANCING THE WORK. THE EXISTING PLANS MAY BE VIEWED DURING THE BIDDING PERIOD. THE FILE NUMBERS FOR THESE BRIDGES ARE FOUND IN THE GENERAL CONSTRUCTION NOTES, NOTE 1 THIS SHEET.

REMOVAL NOTES

- EXISTING DECK PAVEMENT AND MEMBRANE SHALL BE REMOVED UNDER ITEM 511.00XX. CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F).

GENERAL CONSTRUCTION NOTES

- EXISTING BRIDGE PLANS ARE AVAILABLE, ON-LINE IN THE BID PACKAGE ON THE INVITATION TO BID WEBPAGE DURING THE BIDDING PERIOD. AFTER THE CONTRACT HAS BEEN AWARDED, A COMPLETE SET OF EXISTING PLANS WILL BE FORWARDED TO THE CONTRACTOR UPON REQUEST. FILE NUMBERS FOR EACH BRIDGE ARE LISTED AS FOLLOWS:
BARTLETT BR NO 153/108 FILE 3-4-4-8
JACKSON BR NO 092/130 FILE 4-14-1-2
- PORTABLE CONCRETE BARRIER OR CHANNELIZING DEVICES SHALL BE IN PLACE BEFORE REMOVAL OPERATIONS BEGIN FOR EACH CONSTRUCTION PHASE. SEE BARRIER LAYOUT PLANS FOR LAYOUT OF PROPOSED PHASED CONSTRUCTION.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO INSURE THAT DEBRIS DOES NOT FALL INTO THE WATERWAY BELOW EXISTING STRUCTURES. ALL COST TO BE PAID UNDER ITEM 512.02XX or 511.0XX AND SHALL INCLUDE THE ERECTION, MAINTENANCE, AND REMOVAL OF TEMPORARY STRUCTURES OR OTHER SUCH METHODS AS APPROVED.
- NO SCAFFOLDS SHALL BE ERECTED OR OPERATIONS CONDUCTED IN THE ROADWAY RIGHT OF WAY, UNLESS APPROVED BY THE CONTRACT ADMINISTRATOR.
- DURING ALL REMOVAL AND REPAIR OPERATIONS EXTREME CARE SHALL BE TAKEN NOT TO DAMAGE EXISTING DECK REINFORCEMENT. ANY DAMAGE SHALL BE IMMEDIATELY REPORTED TO THE BUREAU OF BRIDGE DESIGN AND REPAIRED AS DIRECTED, AT THE CONTRACTOR'S EXPENSE.
- AFTER REMOVAL OF EXISTING PAVEMENT AND MEMBRANE, AS REQUIRED IN THE SCOPE OF WORK, THE EXISTING CONCRETE BRIDGE DECKS SHALL BE "SOUNDED" TO DETERMINE AREAS REQUIRING PARTIAL AND FULL DEPTH DECK REPAIRS. ALL COSTS TO BE INCLUDED IN ITEM 511.02, 511.021 OR ITEM 511.031.
- DETERIORATED AREAS OF DECK SHALL BE PATCHED WITH CONCRETE CLASS AA. PRIOR TO PLACING NEW CONCRETE, THE PREPARED AREAS SHALL BE BLAST CLEANED AND SATURATED SURFACE DRY (ALL COSTS SUBSIDIARY TO ITEM 520.01 OR 520.02012 OR 520.02013).
- ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4", UNLESS OTHERWISE NOTED.
- ITEM 538.5, BARRIER MEMBRANE, HEAT WELDED (F) SHALL BE OVERLAPPED PER MANUFACTURER'S REQUIREMENTS AT PHASED CONSTRUCTION JOINTS. AT DECK ENDS, WHERE THE MEMBRANE WILL NOT OVERLAP NEW OR EXISTING MEMBRANE, A SEALANT/REPAIR MASTIC COMPATIBLE WITH ITEM 538.5 SHALL BRIDGE ANY GAP BETWEEN THE EXISTING MEMBRANE AND NEW MEMBRANE OR BETWEEN THE NEW MEMBRANE AND THE END DECK WHEN THERE IS NO EXISTING MEMBRANE. ALL COSTS SHALL BE SUBSIDIARY TO ITEM 538.5.
- PROFILE ADJUSTMENTS IN THE VICINITY OF THE REHABILITATED BRIDGES SHALL BE MADE AS REQUIRED OR AS DIRECTED TO ACCOUNT FOR VARIATIONS IN THE BRIDGE DECK CROSS SLOPES. ALL COSTS SHALL BE SUBSIDIARY TO THE APPROPRIATE ITEMS.

- EXISTING BRIDGE DECK COPINGS, WINGS, BACKWALLS, BRIDGE SEATS, AND ABUTMENT FACES SHALL BE WASHED, SUBSIDIARY TO ITEM 534.3, IN SUCH A MANNER THAT OVERSPRAY INTO SURFACE WATERS IS KEPT TO A MINIMUM. IF THE WATER BEADS, NO COATING NEEDS TO BE APPLIED. IF THE WATER DOES NOT BEAD, COAT THE SURFACE WITH ITEM 534.3, WATER REPELLENT (SILANE-SILOXANE). APPLICATION RATE = 150 SF/GAL.
- PROVIDE ITEMS 403.16 AND 403.26, AS REQUIRED, ALONG LONGITUDINAL JOINTS BETWEEN PAVEMENT PASSES FOR EACH PAVEMENT COURSE, ALONG BRIDGE CURBS, AND ALONG EXISTING PAVEMENT.
- APPLY ITEM 410.22, ASPHALT EMULSION FOR TACK COAT, TO BOTH EXISTING AND PROPOSED BRIDGE AND ROADWAY PAVEMENT COURSES PRIOR TO PLACING THE NEXT COURSE.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL MAKE A RECORD OF THE EXISTING PAINT PAVEMENT MARKINGS. UPON COMPLETION OF THE BRIDGE WORK, THE PAVEMENT MARKINGS SHALL BE REPLACED IN KIND WITH ITEM 632.0104, RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE.
- STONE MASONRY SHALL BE CLEANED AND POINTED. SEE SPECIAL PROVISIONS FOR ITEMS 571.1 AND 571.91

REINFORCING NOTES

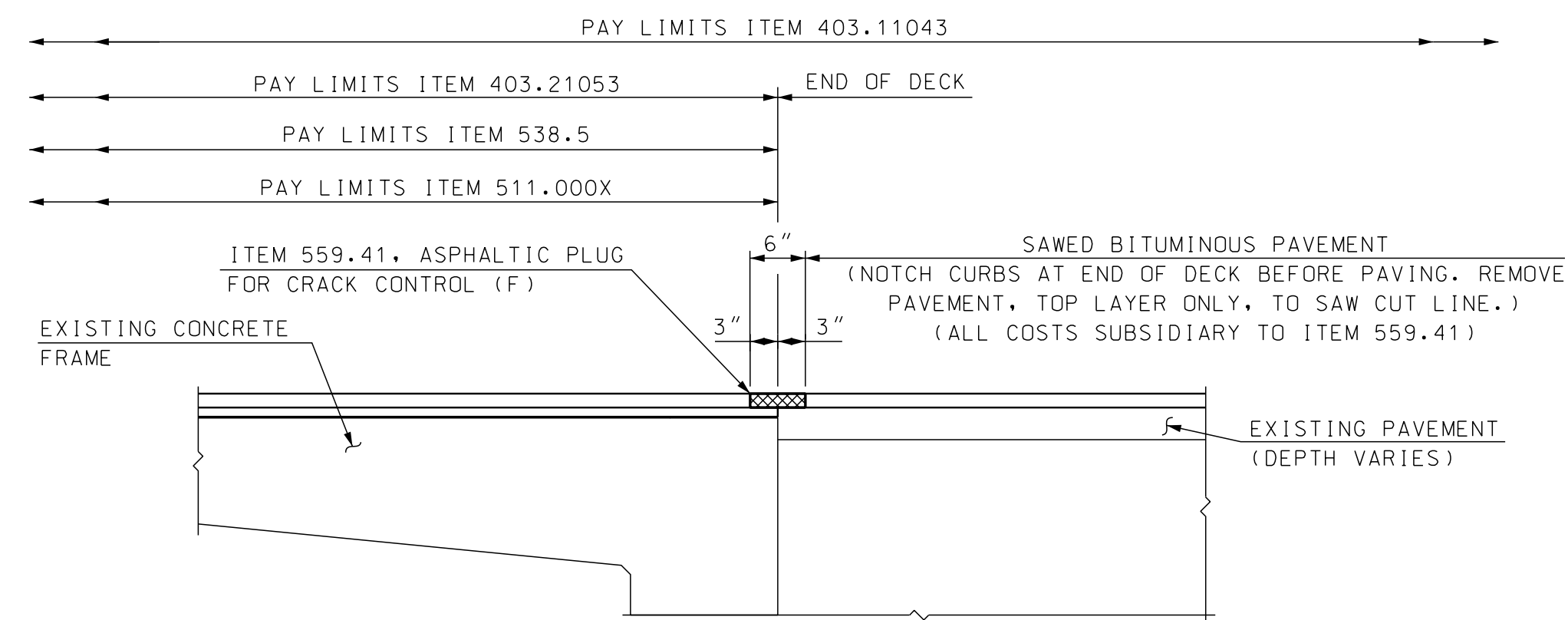
- ANY EXISTING REBAR THAT IS EXPOSED SHALL BE CLEANED OF ALL FOREIGN MATERIAL, SUBSIDIARY TO ITEM 511.00XX.

DRAINAGE NOTES

- ITEM 604.0007, POLYETHYLENE LINER AND ITEM 604.4, RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET ARE TO BE USED AT THE FOLLOWING LOCATIONS IN JACKSON:
STA 200+42 ±, LT 21' ±
STA 200+58 ±, RT 27' ±

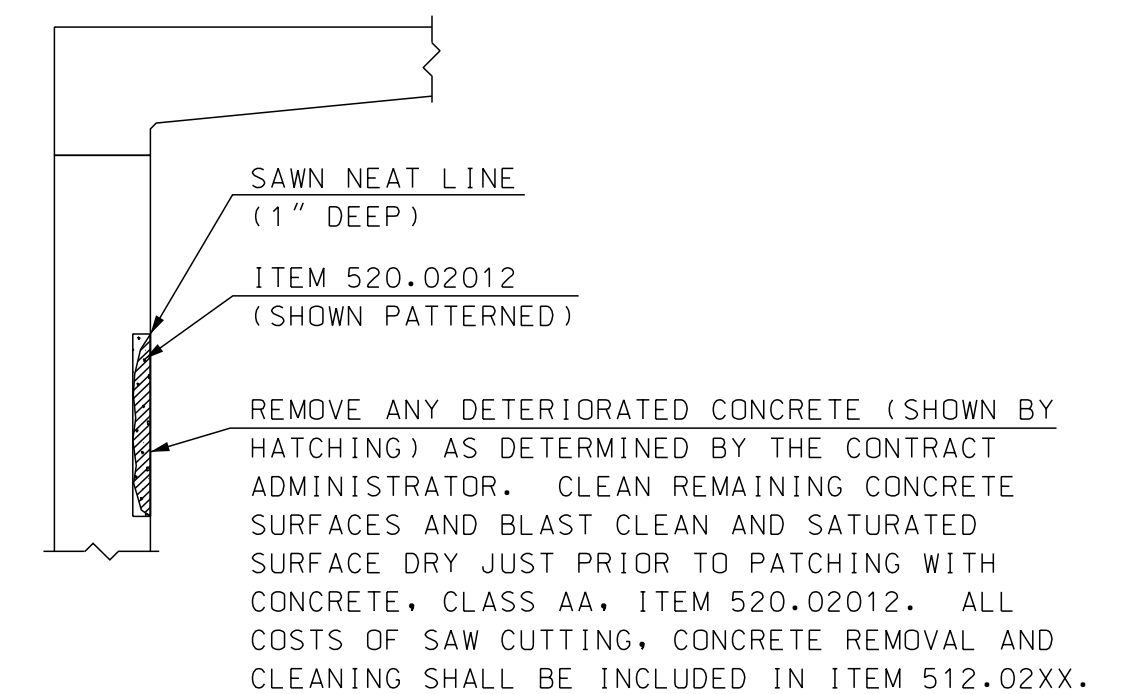
SUMMARY OF BRIDGE QUANTITIES					
ITEM NO.	ITEM DESCRIPTION	BARTLETT BR NO 153/108 US ROUTE 302 over STONY BROOK		JACKSON BR NO 092/130 NH ROUTE 16 over ELLIS RIVER	
		QUANTITY	UNIT	QUANTITY	UNIT
201.881	INVASIVE SPECIES CONTROL TYPE I	---	100	100	SY
403.11043	HBP - 1/2" WEARING, MACHINE METHOD	40.3	75.0	115.3	TON
403.12	HBP - HAND METHOD	0.5	---	0.5	TON
403.16	PAVEMENT JOINT ADHESIVE	36.4	47.4	83.8	LF
403.19	HBP-TEMPORARY	2.7	7.0	9.7	TON
403.21053	HBP - 3/8", MACHINE METHOD (1" BRIDGE BASE)	14.7	18.4	33.1	TON
403.26	PAVEMENT JOINT ADHESIVE (BRIDGE BASE)	140	280	420	LF
410.22	ASPHALT EMULSION FOR TACK COAT	38	71	109	GAL
417.	COLD PLANING BITUMINOUS SURFACES	390	560	950	SY
511.0001	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	83	---	83	SY
511.0002	CONCRETE BRIDGE DECK PAVEMENT REMOVAL (F)	---	323	323	SY
511.02	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS	4.0	16.1	20.1	SY
511.021	PREPARATION FOR PARTIAL DEPTH CONCRETE BRIDGE DECK REPAIRS (OVERHEAD)	1.1	16.0	17.1	SY
		5.9	18.3	24.2	SY
512.0201	PREPARATION FOR CONCRETE REPAIRS, CLASS II	0.7	---	0.7	SY
512.0202	PREPARATION FOR CONCRETE REPAIRS, CLASS II	---	1.2	1.2	SY
520.01	CONCRETE CLASS AA	0.5	2.0	2.5	CY
520.02012	CONCRETE CLASS AA, ABOVE FOOTINGS (ABUT/WALL/PIER REPAIR)	0.1	0.2	0.3	CY
520.02013	CONCRETE CLASS AA, ABOVE FOOTINGS (FULL DECK REPAIR)	1.2	8.4	9.6	CY
521.22	FAST-SET CONCRETE PATCHING MORTAR (VERTICAL AND OVER HEAD)	1.3	41.8	43.1	CF
534.3	WATER REPELLENT (SILANE-SILOXANE)	7	18	25	GAL
538.5	BARRIER MEMBRANE, HEAT WELDED (F)	83	323	406	SY
540.512	GALVANIC CORROSION PROTECTION SYSTEM (DISCRETE ANODES)	49	228	277	EA
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	74	104	178	LF
571.1	REPAIRING AND POINTING STONE MASONRY	---	120	120	SY
571.91	STONE MASONRY (HIGH PRESSURE WASH)	---	1	1	U
604.0007	POLYETHYLENE LINER	---	2	2	EA
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	---	2	2	LF
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	120	440	560	LF
606.41741	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL (BRIDGE)	200	210	410	LF
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE), TEST LEVEL 3	2	2	4	U
616.171	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	1	---	1	U
616.172	PORTABLE TRAFFIC SIGNALS (PTS) SYSTEM	---	1	1	U
618.61	UNIFORMED OFFICERS WITH VEHICLE	*	*	*	\$
618.7	FLAGGERS	150	150	300	HR
619.1	MAINTENANCE OF TRAFFIC	0.5	0.5	1.0	U
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	2	2	4	U
628.2	SAWED BITUMINOUS PAVEMENT	70	100	170	LF
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	970	1265	2235	LF
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE 1 (REMOVEABLE) 4" LINE	1234	3892	5126	LF
632.1118	PREFORMED RETROREFLECTIVE TAPE, TYPE 1 (REMOVEABLE) 18" LINE	60	50	110	LF
632.1304	BLACKOUT PAVEMENT MARKING TAPE, TYPE I (REMOVEABLE), 4" LINE	889	2509	3398	LF
645.512	COMPOST SOCK FOR PERIMETER BERM	50	50	100	LF
645.531	SILT FENCE	200	200	400	LF
670.104	TEMPORARY PORTABLE LIGHTING	2	2	4	U
692.	MOBILIZATION	0.3	0.7	1.0	U
698.13	FIELD OFFICE TYPE C	4	4	8	MON
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	*	*	*	\$
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	*	*	*	\$
1010.15	FUEL ADJUSTMENT	*	*	*	\$

* NOT A BID ITEM



ASPHALTIC PLUG FOR CRACK CONTROL

SCALE: 3/4" = 1'-0"



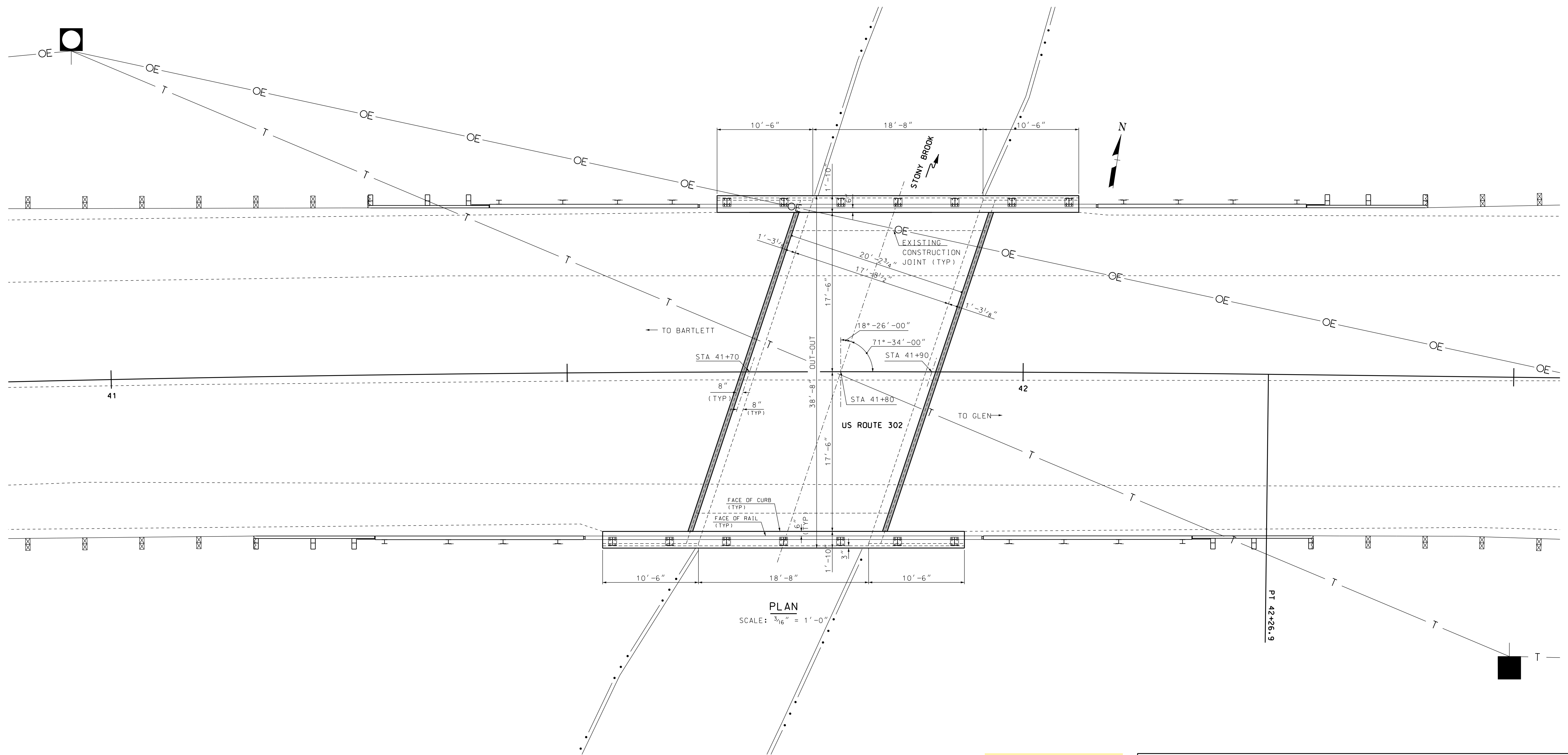
TYPICAL FRAME LEG AND WINGWALL CONCRETE REPAIRS
(FRAME SHOWN, WINGWALL SIMILAR)
NOT TO SCALE

NHDOT Bridge Design
11/25/21

SAMPLE PLAN
Details and notes may not be current.
Closely review before using details.

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
BRC/Bartlett 153-108	41989 Notes	AS NOTED

STATE OF NEW HAMPSHIRE					
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN					
TOWN	BARTLETT & JACKSON	BRIDGE NO.	153/108, 092/130	STATE PROJECT	41989
LOCATION	US ROUTE 302 over STONY BROOK & NH ROUTE 16 over ELLIS RIVER				
NOTES AND QUANTITY BOX					BRIDGE SHEET
REVISIONS AFTER PROPOSAL	BY	DATE	CHECKED	DATE	1 OF 9
	JEH	12/20	MGL	1/21	FILE NUMBER
	SMG	1/20	MGL	1/21	137-3-1
	JEH	1/21	PML	1/21	TOTAL SHEETS
ISSUE DATE	FEDERAL PROJECT NO.		SHEET NO.		13
REV. DATE	X-A005(052)		5		

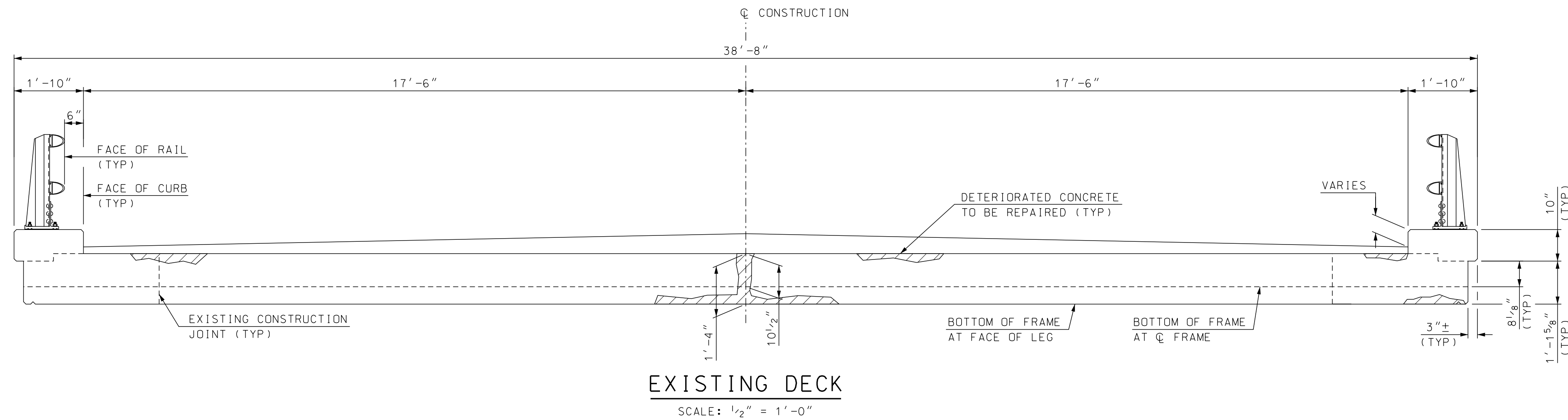


NHDOT Bridge Design
11/25/21

SAMPLE PLAN
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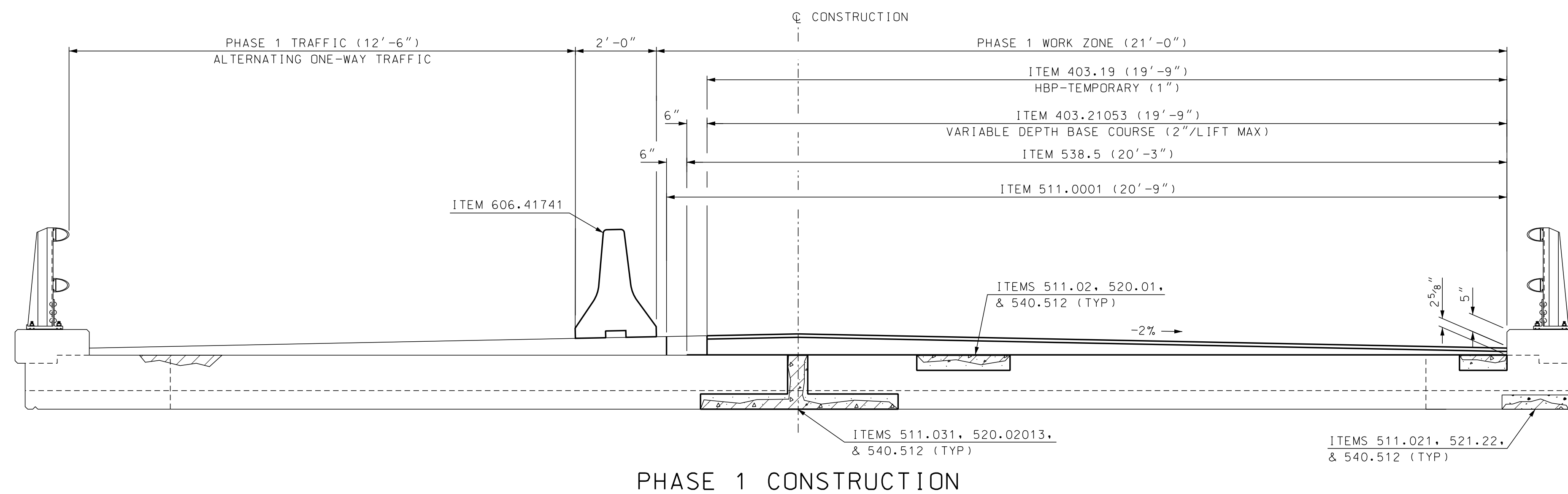
SUBDIRECTORY	.DGN LOCATOR	SHEET SCALE
BRC/Bartlett 153-108	153-108 genplan	AS NOTED

STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN	BARTLETT	BRIDGE NO.	153/108	STATE PROJECT	41989				
LOCATION US ROUTE 302 over STONY BROOK						BRIDGE SHEET			
GENERAL PLAN BR NO 153/108						2 OF 9			
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	MGL	DATE	FILE NUMBER		
		DESIGNED	JEH	12/20	CHECKED	MGL	1/21	137-3-1	
		DRAWN	SMG	1/20	CHECKED	MGL	1/21		
		QUANTITIES	JEH	1/21	CHECKED	PML	1/21		
ISSUE DATE		FEDERAL PROJECT NO.			SHEET NO.		TOTAL SHEETS		
REV. DATE		X-A005(052)			6		13		



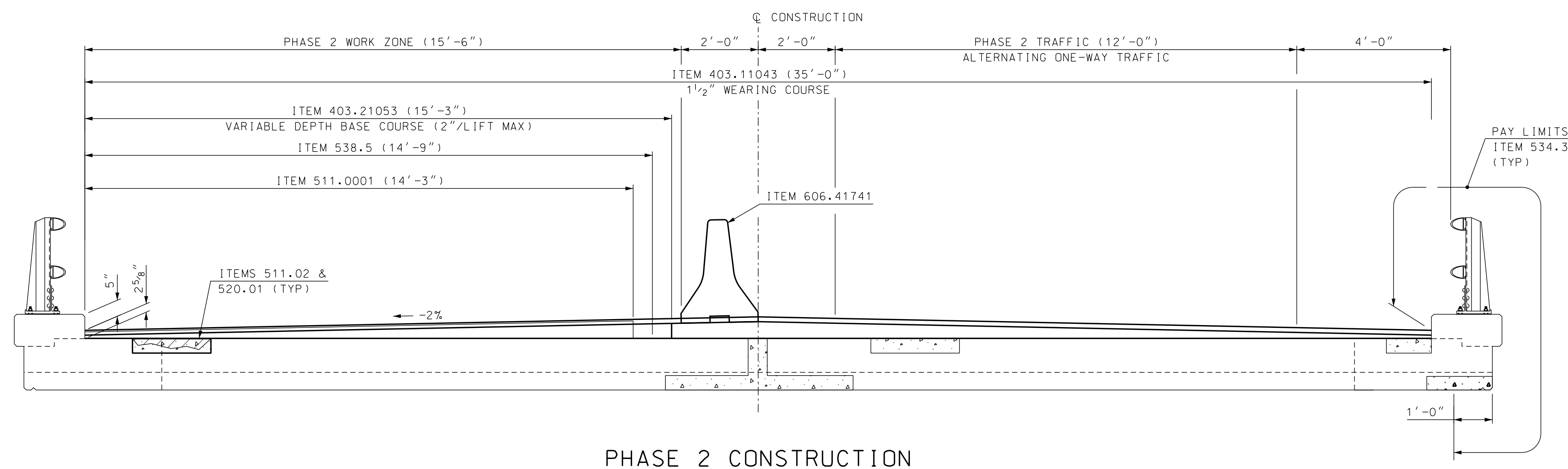
EXISTING DECK

SCALE: 1/2" = 1'-0"



PHASE 1 CONSTRUCTION

SCALE: 1/2" = 1'-0"



PHASE 2 CONSTRUCTION

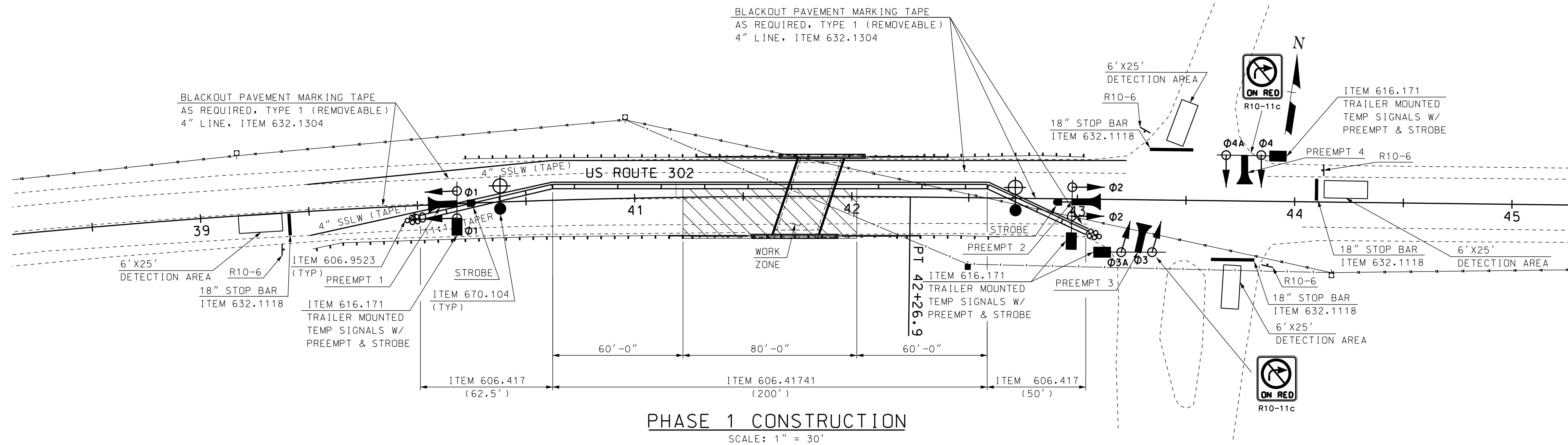
SCALE: 1/2" = 1'-0"

NHDOT Bridge Design
11/25/21

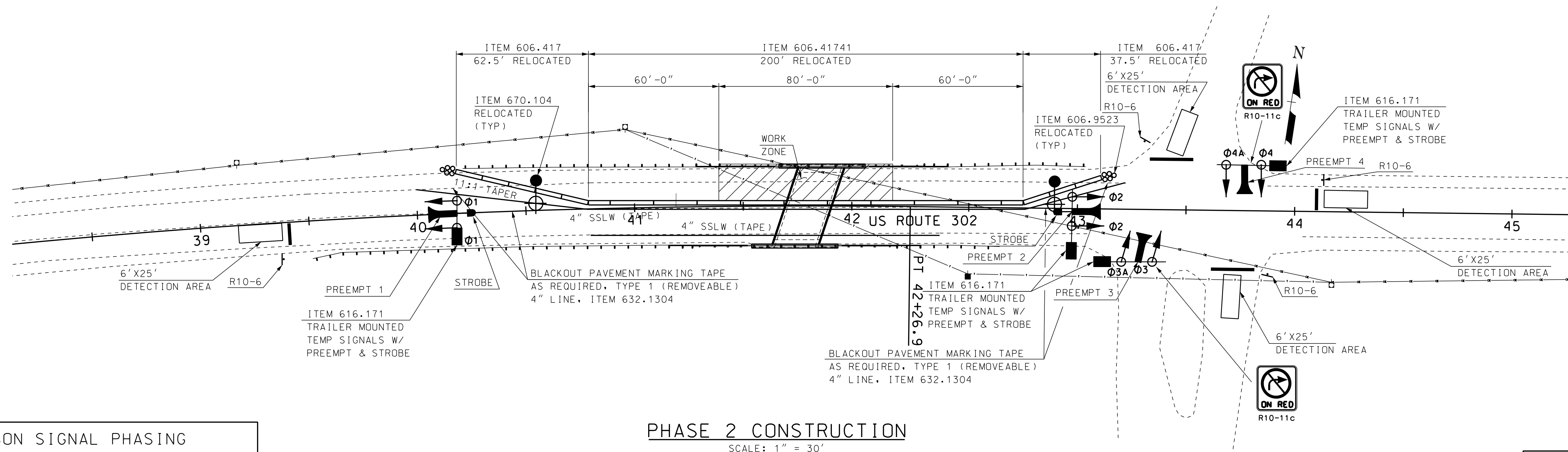
SAMPLE PLAN
Details and notes may not be current.
Closely review before using details.

STATE OF NEW HAMPSHIRE					
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN					
TOWN	BARTLETT	BRIDGE NO.	153/108	STATE PROJECT	41989
LOCATION US ROUTE 302 over STONY BROOK					
DECK PHASING BR NO 153/108					BRIDGE SHEET
					3 OF 9
DESIGNED	JEH	DATE	12/20	CHECKED	MGL 1/21
DRAWN	SMG	DATE	1/20	CHECKED	MGL 1/21
QUANTITIES	JEH	DATE	1/21	CHECKED	PML 1/21
ISSUE DATE		FEDERAL PROJECT NO.		SHEET NO.	
REV. DATE		X-A005(052)		7	TOTAL SHEETS
					13

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
BRC/Bartlett 153-108	153-108 Deck	AS NOTED



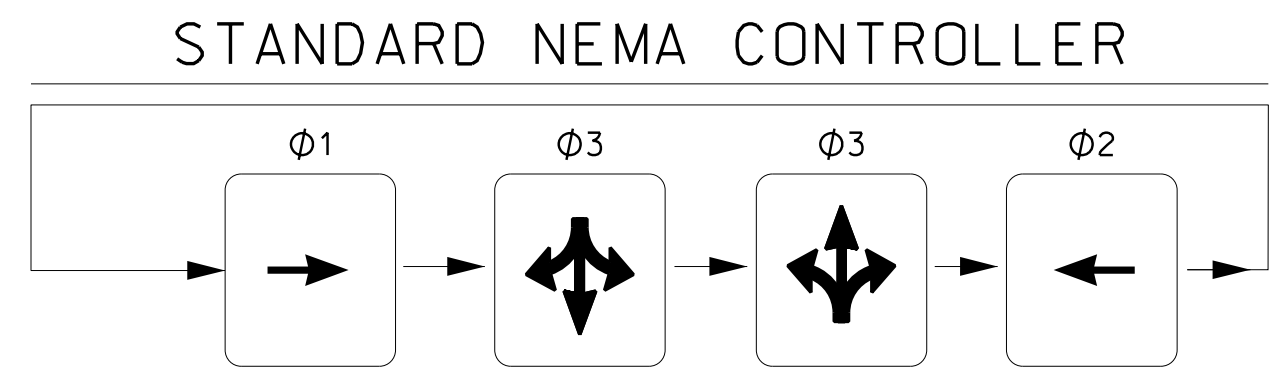
PHASE 1 CONSTRUCTION
SCALE: 1" = 30'



PHASE 2 CONSTRUCTION
SCALE: 1" = 30'

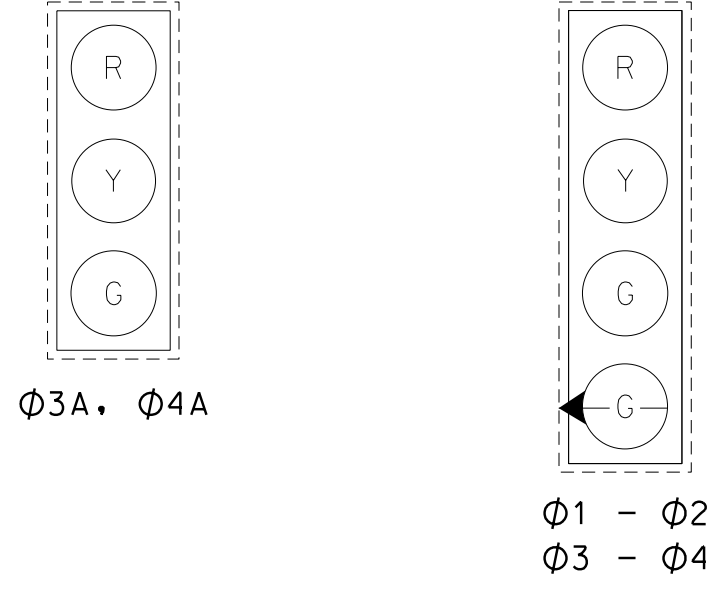
JACKSON SIGNAL PHASING				
TIMING IN SECONDS	Φ1	Φ2	Φ3	Φ4
INITIAL INTERVAL	10	10	10	10
VEHICLE EXTENSION	5	5	5	5
MAXIMUM I	30	30	15	15
MAXIMUM II				
YELLOW	4	4	4	4
ALL RED	18	18	2	2
WALK/FLASH DON'T WALK				
RECALL	SOFT	OFF	OFF	OFF
DETECTOR	NL	NL	NL	NL
FLASH	FR	FR	FR	FR

Φ3 AND Φ4 SHALL CALL Φ2. Φ3 AND/OR Φ4 SHALL BE SERVICED FIRST BUT Φ2 MUST ALWAYS FOLLOW Φ3 AND/OR Φ4. Φ2 CAN BE SERVICED WITHOUT A CALL FROM Φ3 OR Φ4.



SIGNAL HEADS

ALL LENSES 12" WITH 5" LOUVERED BACK PLATE



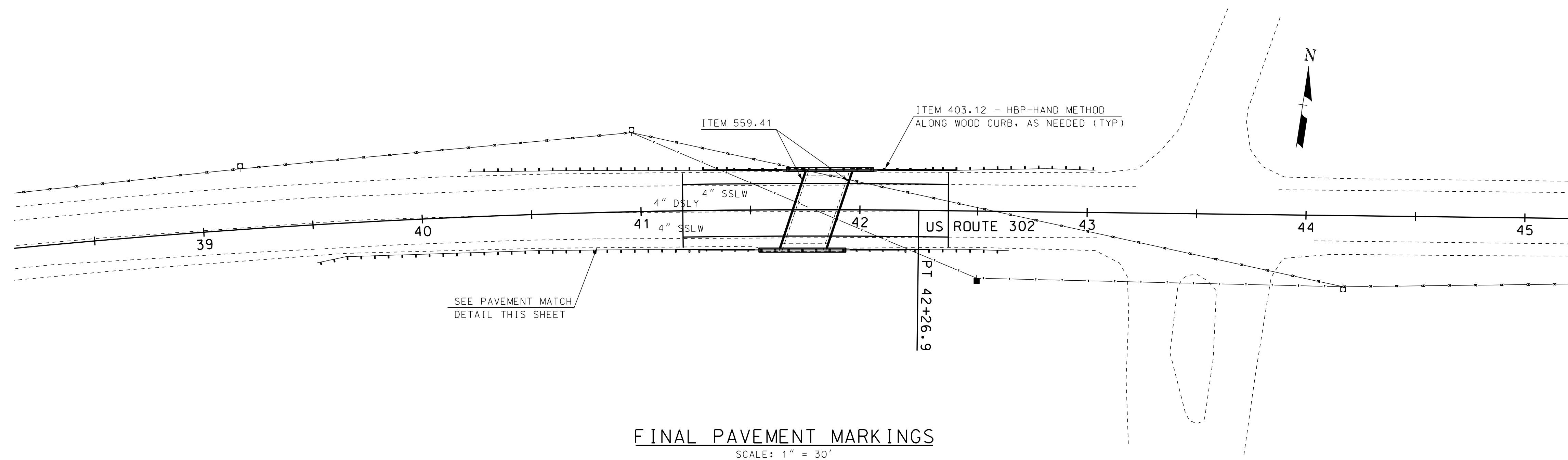
NHDOT Bridge Design
11/25/21

SAMPLE PLAN
Details and notes may not be current.
Closely review before using details.

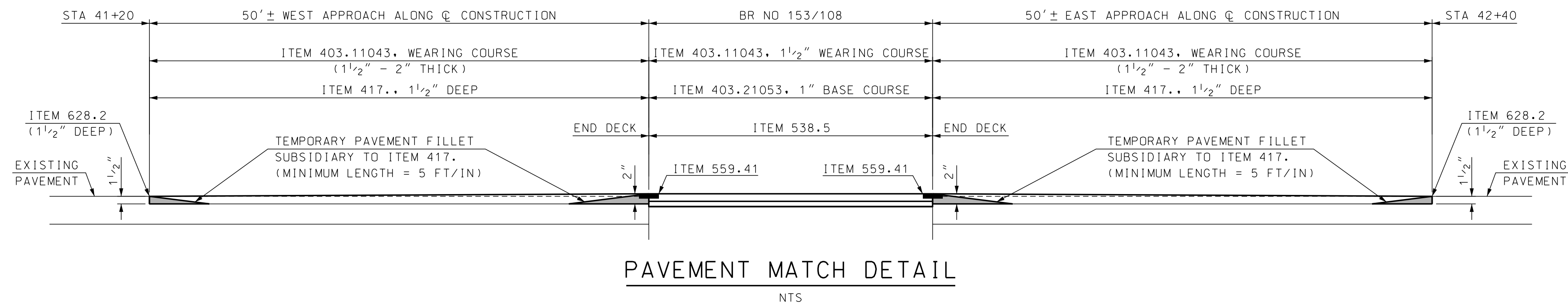
FIRE PREEMPTION	
PREEMPT 1	CALLS Φ 1
PREEMPT 2	CALLS Φ 2
PREEMPT 3	CALLS Φ 3
PREEMPT 4	CALLS Φ 4

STATE OF NEW HAMPSHIRE					
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN					
TOWN	BARTLETT	BRIDGE NO.	153/108	STATE PROJECT	41989
LOCATION					US ROUTE 302 over STONY BROOK
TRAFFIC CONTROL					BRIDGE SHEET
REVISIONS AFTER PROPOSAL					4 OF 9
DESIGNED	TGP	DATE	12/20	CHECKED	DDC 1/21
DRAWN	SMG	DATE	1/20	CHECKED	MGL 1/21
QUANTITIES	JEH	DATE	1/21	CHECKED	PML 1/21
ISSUE DATE		FEDERAL PROJECT NO.	X-A005(052)	SHEET NO.	8
REV. DATE					13

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
BRC/Bartlett 153-108	153-108 Traff cont	AS NOTED



FINAL PAVEMENT MARKINGS
SCALE: 1" = 30'



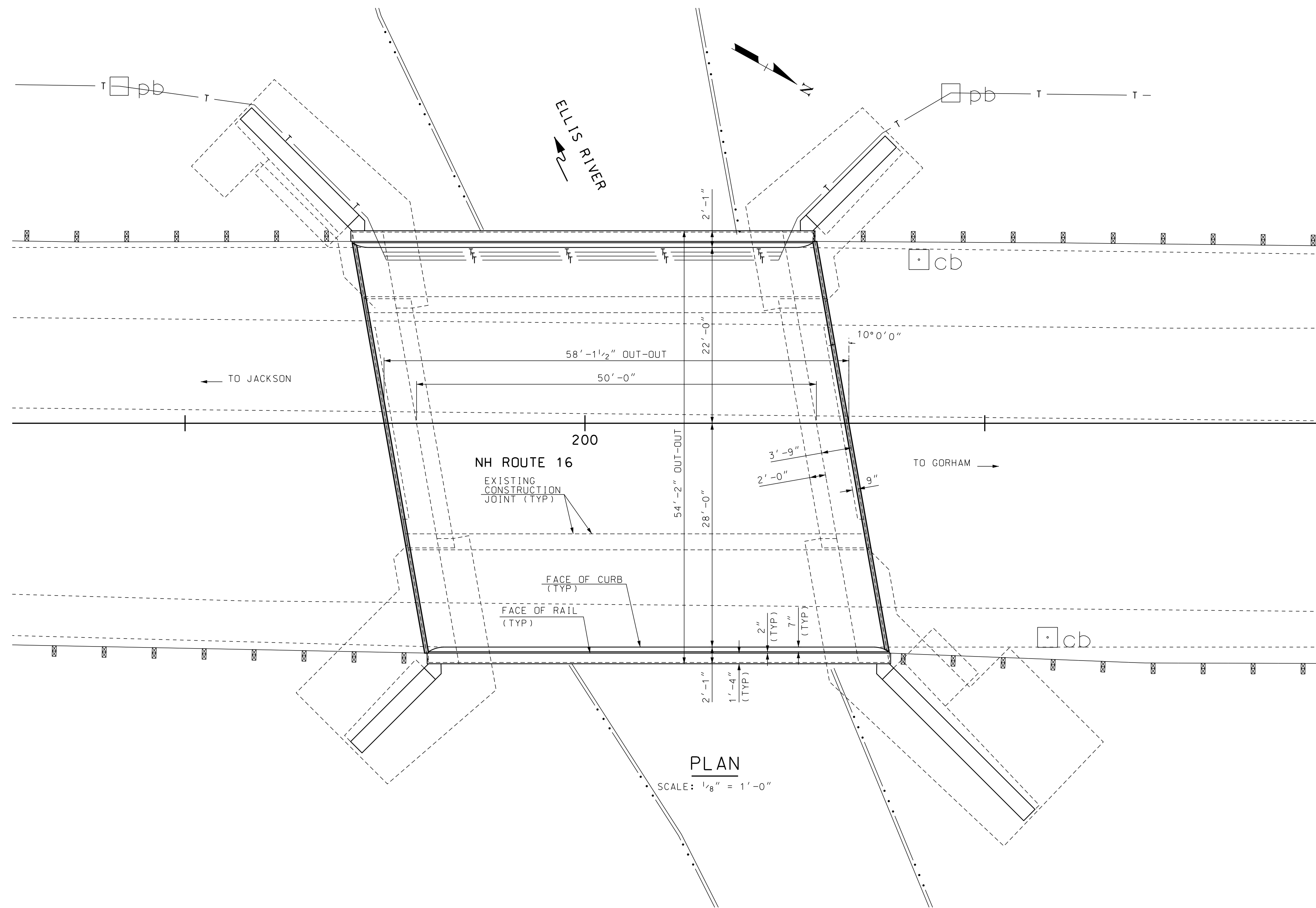
PAVEMENT MATCH DETAIL
NTS

NHDOT Bridge Design
11/25/21

SAMPLE PLAN
Details and notes may not be current.
Closely review before using details.

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
BRC/Bartlett 153-108	153-108 Traff cont	AS NOTED

STATE OF NEW HAMPSHIRE					
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN					
TOWN	BARTLETT	BRIDGE NO.	153/108	STATE PROJECT	41989
LOCATION US ROUTE 302 over STONY BROOK					
PAVEMENT MARKINGS AND MATCHES					BRIDGE SHEET
					5 OF 9
					FILE NUMBER
					137-3-1
					TOTAL SHEETS
					13



PLAN

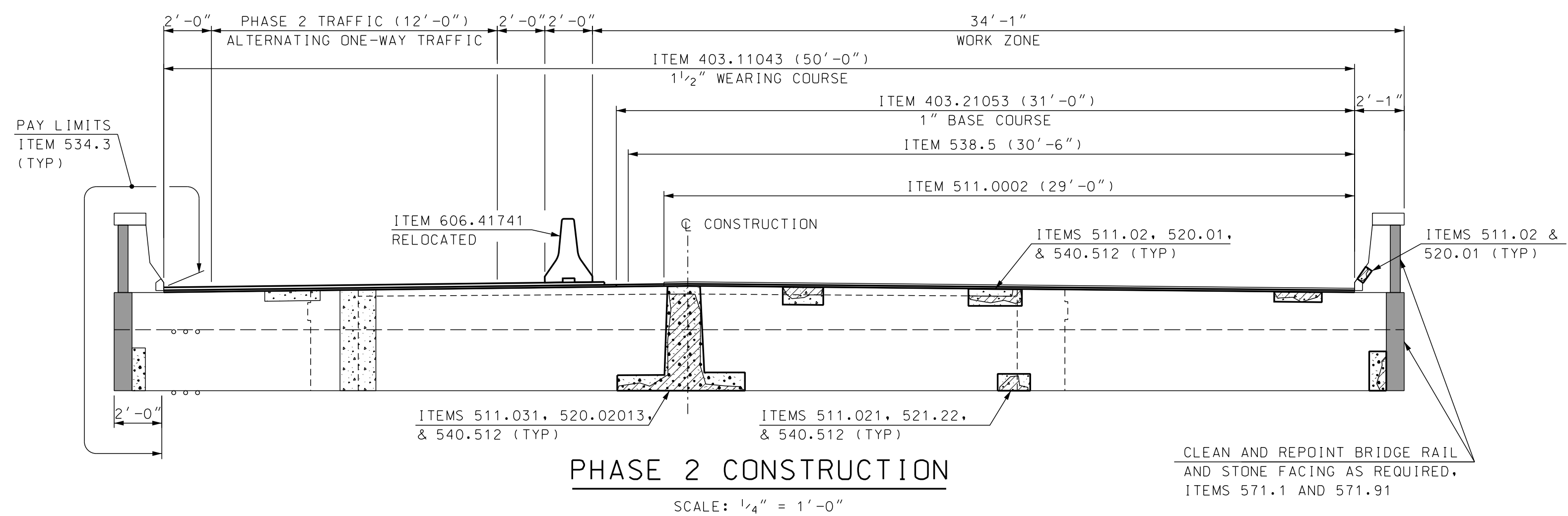
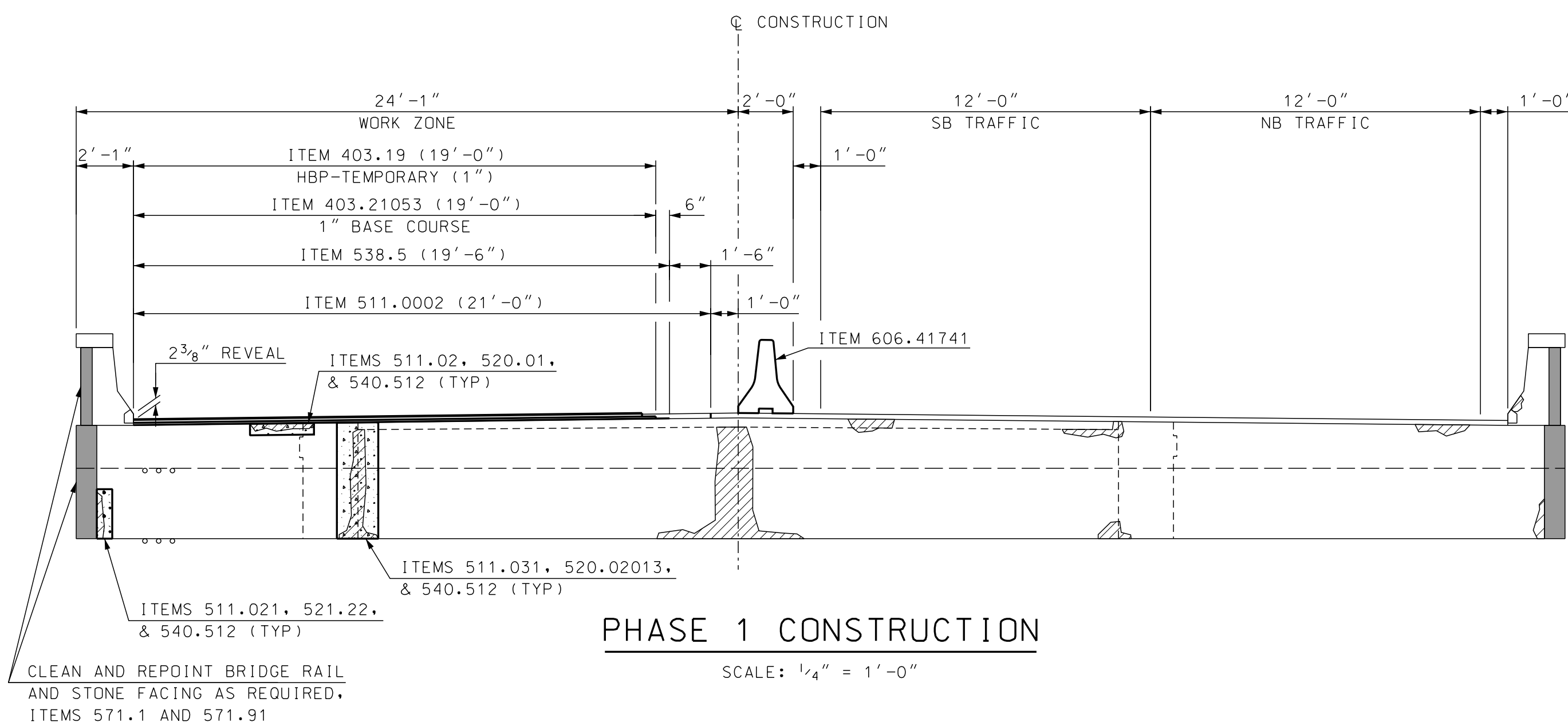
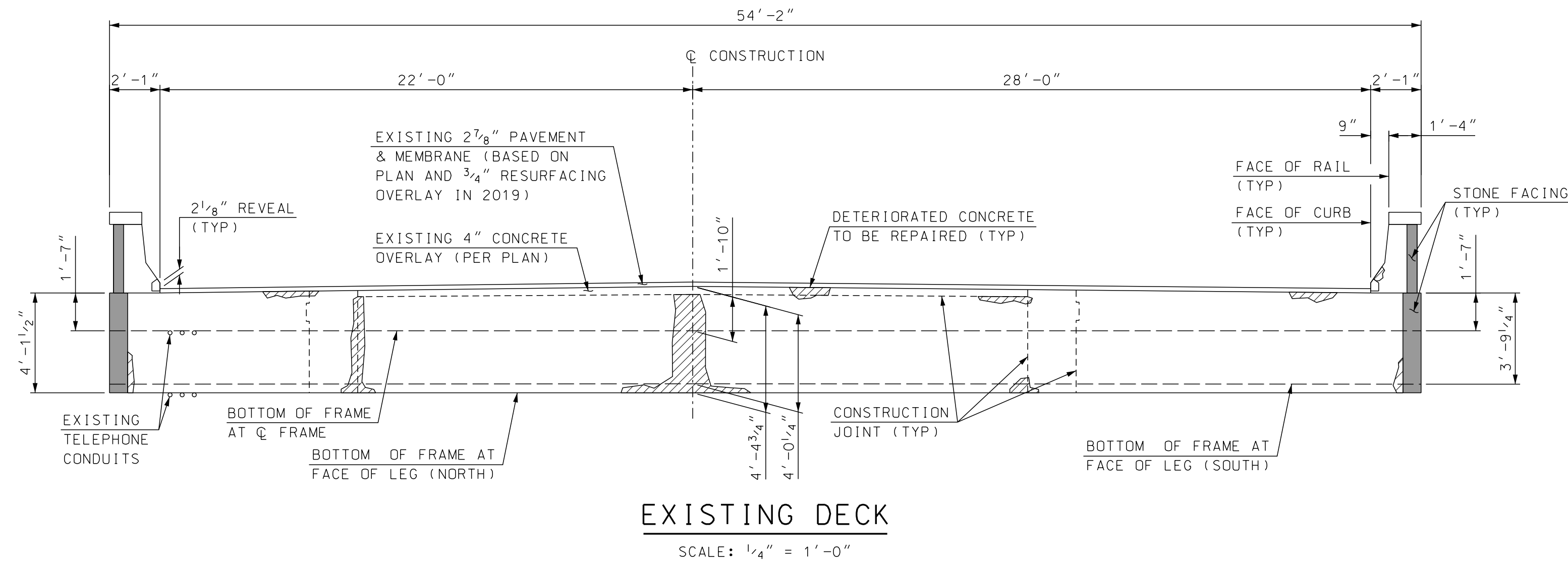
SCALE: 1/8" = 1'-0"

NHDOT Bridge Design
11/25/21

SAMPLE PLAN
Details and notes may not be current.
Closely review before using details.

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
BRC/Jackson 092-130	092-130 Genplan	AS NOTED

STATE OF NEW HAMPSHIRE										
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN										
TOWN	JACKSON	BRIDGE NO.	092/130	STATE PROJECT	41989					BRIDGE SHEET
LOCATION NH ROUTE 16 over ELLIS RIVER						GENERAL PLAN BR NO 092/130				6 OF 9
DESIGNED		JEH	12/20	CHECKED		MGL	1/21			FILE NUMBER
DRAWN		SMG	1/20	CHECKED		MGL	1/21			137-3-1
QUANTITIES		JEH	1/21	CHECKED		PML	1/21			TOTAL SHEETS
ISSUE DATE		FEDERAL PROJECT NO.				SHEET NO.		TOTAL SHEETS		
REV. DATE		X-A005(052)				10		13		

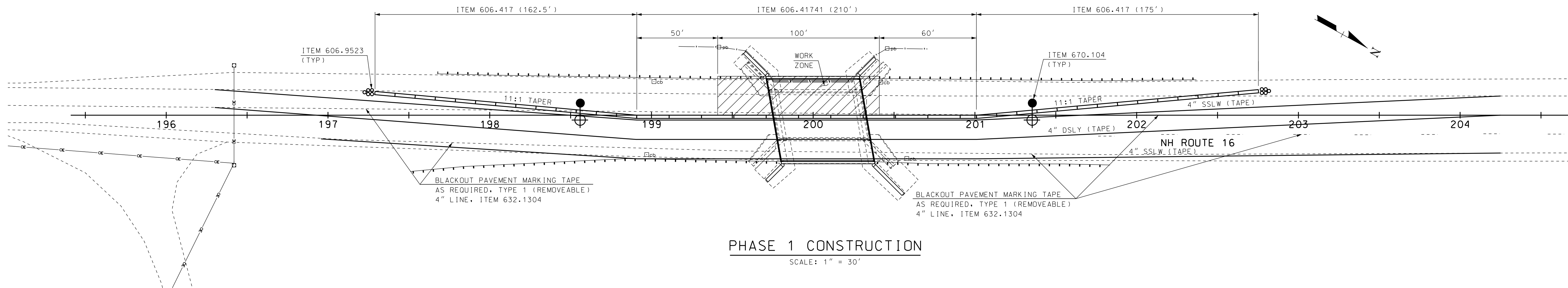


NHDOT Bridge Design
11/25/21

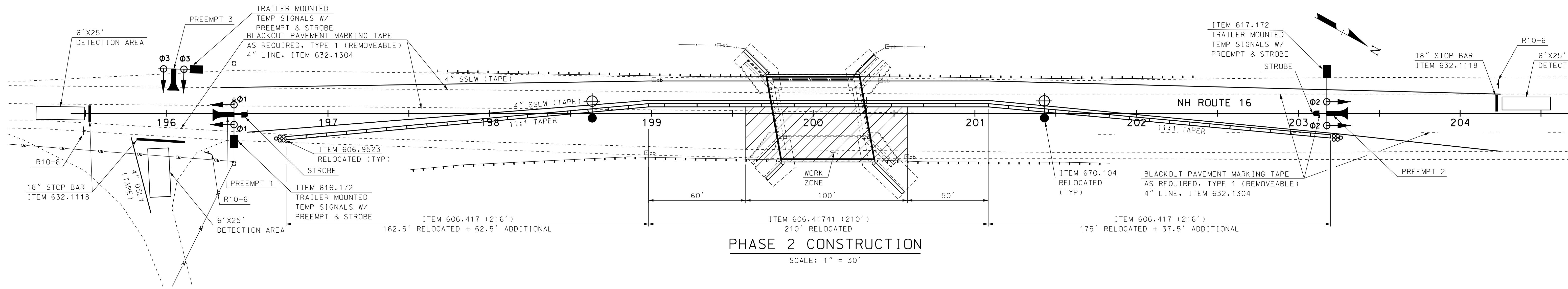
SAMPLE PLAN
Details and notes may not be current.
Closely review before using details.

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
BRC/Jackson 092-130	092-130 Deck	AS NOTED

STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN									
TOWN JACKSON	BRIDGE NO. 092/130			STATE PROJECT 41989			BRIDGE SHEET		
LOCATION NH ROUTE 16 over ELLIS RIVER									
DECK PHASING BR NO 092/130							7 OF 9		
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	MGL	DATE	FILE NUMBER		
		JEH	12/20			1/21	137-3-1		
		SMG	1/20			1/21	TOTAL SHEETS		
		JEH	1/21			1/21	13		
ISSUE DATE	FEDERAL PROJECT NO.			SHEET NO.		TOTAL SHEETS			
REV. DATE	X-A005(052)			11		13			



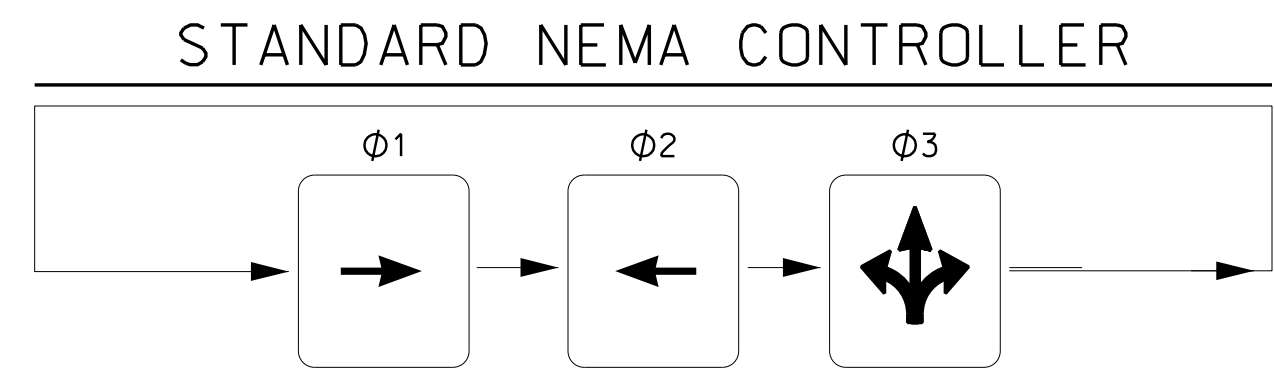
PHASE 1 CONSTRUCTION
SCALE: 1" = 30'



PHASE 2 CONSTRUCTION
SCALE: 1" = 30'

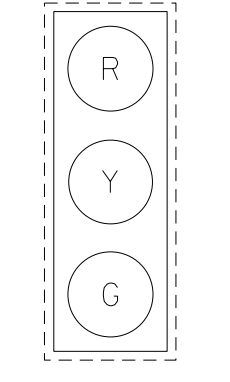
JACKSON SIGNAL PHASING			
	Φ1	Φ2	Φ3
TIMING IN SECONDS	→	←	↕
INITIAL INTERVAL	10	10	10
VEHICLE EXTENSION	5	5	5
MAXIMUM I	20	20	15
MAXIMUM II			
YELLOW	4	4	4
ALL RED	32	32	2
WALK/FLASH DON'T WALK			
RECALL	SOFT	OFF	OFF
DETECTOR	NL	NL	NL
FLASH	FR	FR	FR

Φ3 SHALL CALL Φ1. Φ3 SHALL BE SERVICED FIRST BUT Φ1 MUST ALWAYS FOLLOW Φ3. Φ1 CAN BE SERVICED WITHOUT A CALL FROM Φ3.



SIGNAL HEADS

ALL LENSES 12" WITH 5" LOUVERED BACK PLATE



Φ1, Φ2, Φ3

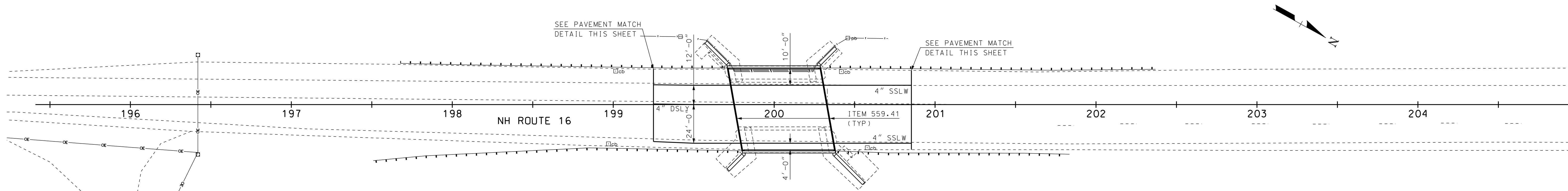
FIRE PREEMPTION	
PREEMPT 1	CALLS Φ 1
PREEMPT 2	CALLS Φ 2
PREEMPT 3	CALLS Φ 3

NHDOT Bridge Design
11/25/21

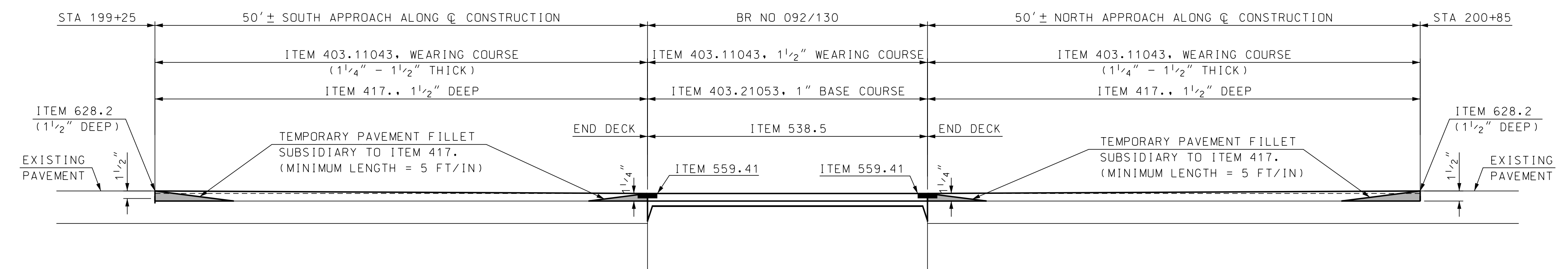
SAMPLE PLAN
Details and notes may not be current. Closely review before using details.

STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN					
TOWN	JACKSON	BRIDGE NO.	092/130	STATE PROJECT	41989
LOCATION NH ROUTE 16 over ELLIS RIVER					
TRAFFIC CONTROL					BRIDGE SHEET
DESIGNED	TGP	12/20	CHECKED	DDC	12/20
DRAWN	SMG	1/20	CHECKED	MGL	1/21
QUANTITIES	JEH	1/21	CHECKED	PML	1/21
ISSUE DATE		FEDERAL PROJECT NO.		SHEET NO.	TOTAL SHEETS
REV. DATE		X-A005(052)		12	13

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
BRC/Jackson 092-130	092-130 Traff cont	AS NOTED



FINAL PAVEMENT MARKINGS
SCALE: 1" = 30'



PAVEMENT MATCH DETAIL
NTS

NHDOT Bridge Design
11/25/21

SAMPLE PLAN
Details and notes may not be current.
Closely review before using details.

SUBDIRECTORY	DGN LOCATOR	SHEET SCALE
BRC/Jackson 092-130	092-130 Pavemark	AS NOTED

STATE OF NEW HAMPSHIRE					
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN					
TOWN JACKSON	BRIDGE NO. 092/130		STATE PROJECT 41989		BRIDGE SHEET
LOCATION NH ROUTE 16 over ELLIS RIVER					9 OF 9
PAVEMENT MARKINGS AND MATCHES					
REVISIONS AFTER PROPOSAL	BY	DATE	CHECKED	BY	DATE
	JEH	12/20	MGL	MGL	1/21
	SMG	1/20	MGL	MGL	1/21
	JEH	1/21	PML	PML	1/21
ISSUE DATE	FEDERAL PROJECT NO.			SHEET NO.	TOTAL SHEETS
REV. DATE	X-A005(052)			13	13