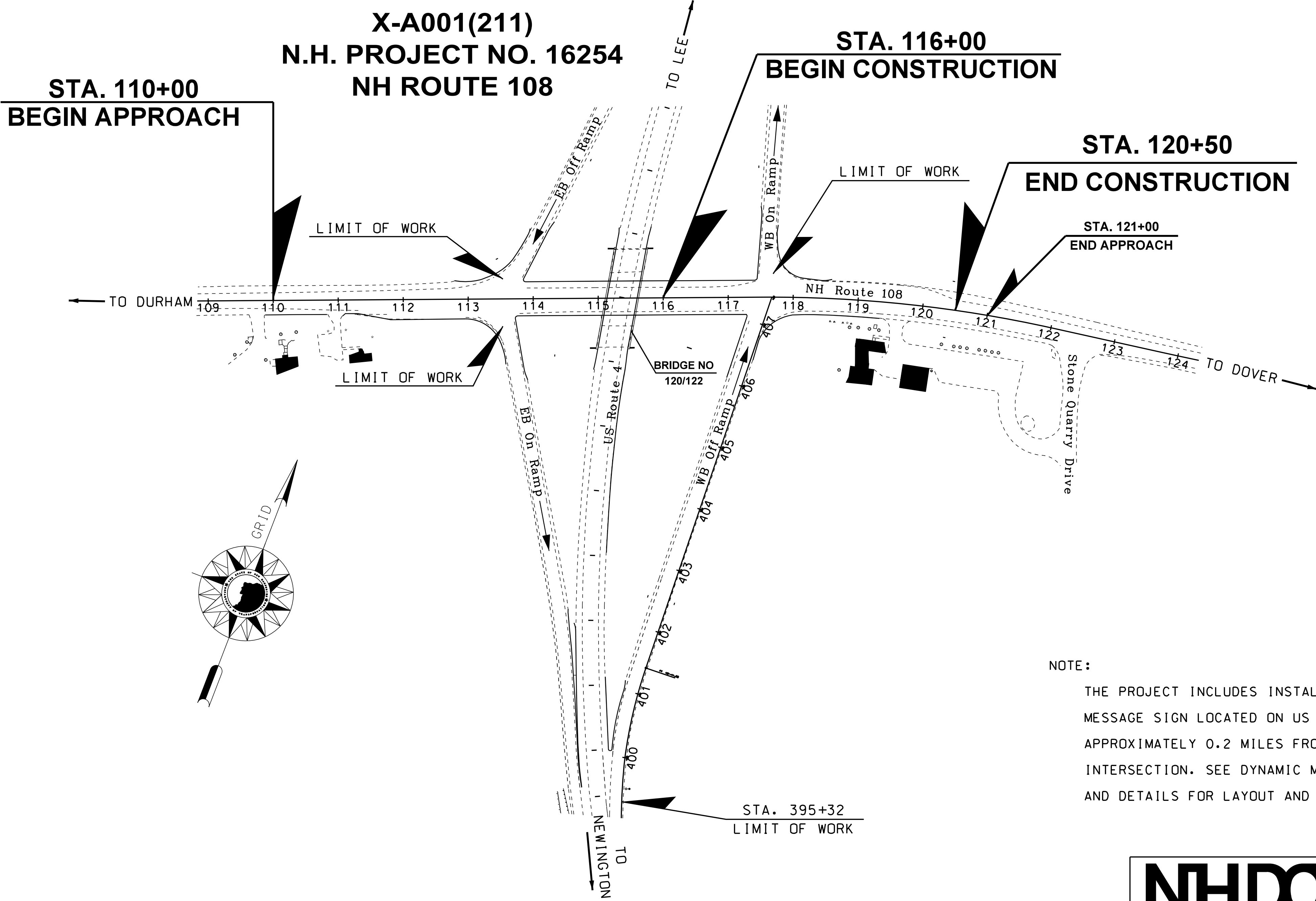
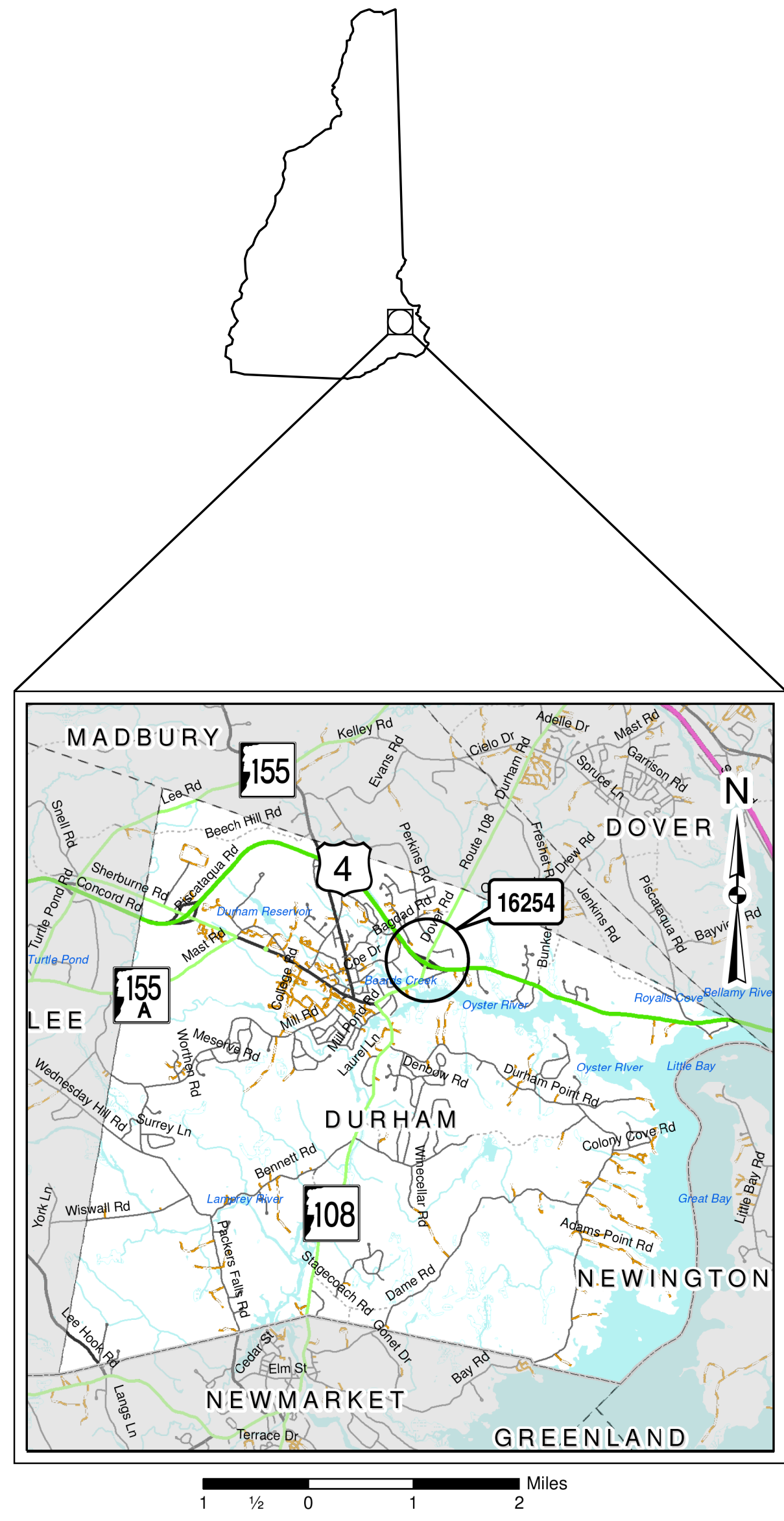


STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS
FEDERAL AID PROJECT

DESIGN DATA	
AVERAGE DAILY TRAFFIC 20_21	12630
AVERAGE DAILY TRAFFIC 20_41	15410
PERCENT OF TRUCKS	5.7%
DESIGN SPEED	40 MPH
LENGTH OF PROJECT	±0.2 MI



TOWN OF DURHAM
COUNTY OF STAFFORD
SCALE: 1" = 300'

NOTE:
THE PROJECT INCLUDES INSTALLATION OF DYNAMIC MESSAGE SIGN LOCATED ON US ROUTE 4 AT MM 98.8. APPROXIMATELY 0.2 MILES FROM THE WB RAMP INTERSECTION. SEE DYNAMIC MESSAGE SIGN PLANS AND DETAILS FOR LAYOUT AND LOCATION.

INDEX OF SHEETS

1	FRONT SHEET
2-3	STANDARD SYMBOLS SHEETS
4	TYPICAL SECTIONS & PAVEMENT DETAILS
5	PAVEMENT TRENCH REPAIR DETAILS
6	GENERAL NOTES & SUMMARY OF QUANTITIES
7	INTERSECTION DETAILS
8-9	SIGN TEXT LAYOUT
10-13	GENERAL PLANS
14-17	PAVEMENT MARKING & SIGNING PLANS
18	SIGNALIZATION PLAN
19	TRAFFIC SIGNAL DETAILS
20-25	DYNAMIC MESSAGE SIGN DETAILS

DRAWN BY CMW DATE 10/19
CHECKED BY JMA DATE 04/20

PRELIMINARY PLANS
SUBJECT TO CHANGE
DATE 4/14/2020

NHDOT THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

RECOMMENDED FOR APPROVAL:				
_____ DIRECTOR OF PROJECT DEVELOPMENT		_____ DATE		
APPROVED:				
_____ ASSISTANT COMMISSIONER AND CHIEF ENGINEER		_____ DATE		
DRAWING NAME	FEDERAL PROJECT NO.	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
16254fsr	X-A001(211)	16254	1	24

GENERAL

EDGE OF PAVEMENT TRAVELED WAY			
DRIVEWAYS			
BUILDINGS			
FOUNDATIONS			
LEACH FIELDS			
BRIDGE CROSSINGS			
STEPS AND WALK			
INTERMITTENT WATER COURSE			
SHORE LINE			
POTENTIAL WET AREA SYMBOL			
BRUSH OR WOODS LINE			
TREES (PLANS)			
TREE OR STUMP (CROSS-SECTIONS)			
HEDGE			
MONITORING WELL			
WELL			
FLAG POLE			

ORIGINAL GROUND (TYPICALS)		
ROCK OUTCROP		
ROCK LINE (TYPICALS & SECTIONS ONLY)		
GUARDRAIL (label type)		
JERSEY BARRIER		
CURB (LABEL TYPE)		
STONE WALL		
RETAINING WALL (LABEL TYPE)		
FENCE (LABEL TYPE)		
SIGNS		
GAS PUMP		
FUEL TANK (ABOVE GROUND)		
STORAGE TANK FILLER CAP		
SEPTIC TANK		
GRAVE		
MAILBOX		
VENT PIPE		
SATELLITE DISH ANTENNA		
PHONE		
GROUND LIGHT/LAMP POST		
BORING LOCATION		
TEST PIT		
INTERSTATE NUMBERED HIGHWAY		
UNITED STATES NUMBERED HIGHWAY		
STATE NUMBERED HIGHWAY		

SHORELAND - WETLAND

WETLAND DESIGNATION AND TYPE	
DELINEATED WETLAND	
ORDINARY HIGH WATER	
TOP OF BANK	
TOP OF BANK & ORDINARY HIGH WATER	
NORMAL HIGH WATER	
WIDTH AT BANK FULL	
PRIME WETLAND	
PRIME WETLAND 100' BUFFER	
NON-JURISDICTIONAL DRAINAGE AREA	
COWARDIN DISTINCTION LINE	
TIDAL BUFFER ZONE	
DEVELOPED TIDAL BUFFER ZONE	
HIGHEST OBSERVABLE TIDE LINE	
MEAN HIGH WATER	
MEAN LOW WATER	
VERNAL POOL	
SPECIAL AQUATIC SITE	
REFERENCE LINE	
WATER FRONT BUFFER	
NATURAL WOODLAND BUFFER	
PROTECTED SHORELAND	
INVASIVE SPECIES LABEL	
INVASIVE SPECIES	

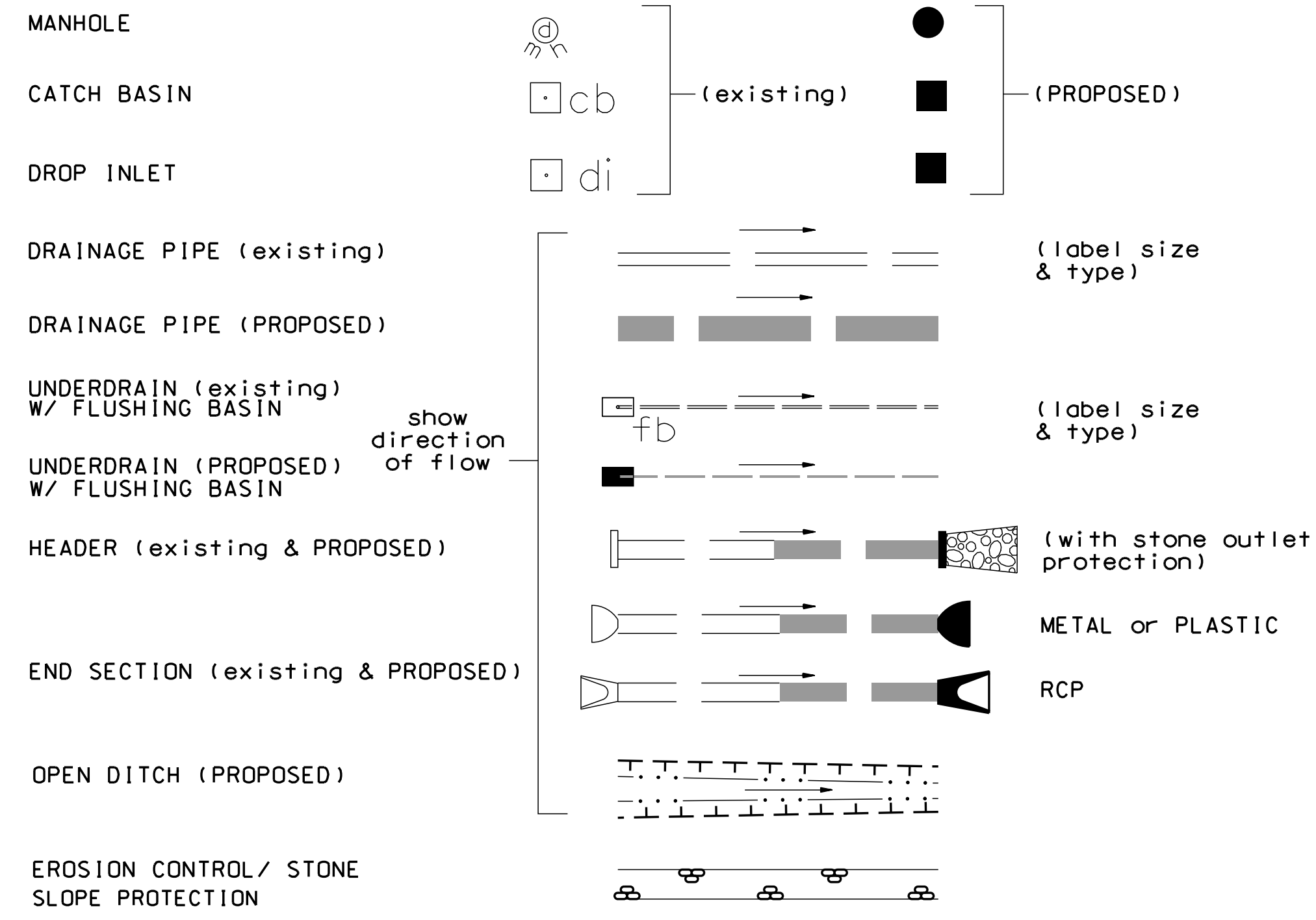
FLOODPLAIN / FLOODWAY

500 YEAR FLOODPLAIN BOUNDARY	
100 YEAR FLOODPLAIN BOUNDARY	
FLOODWAY	

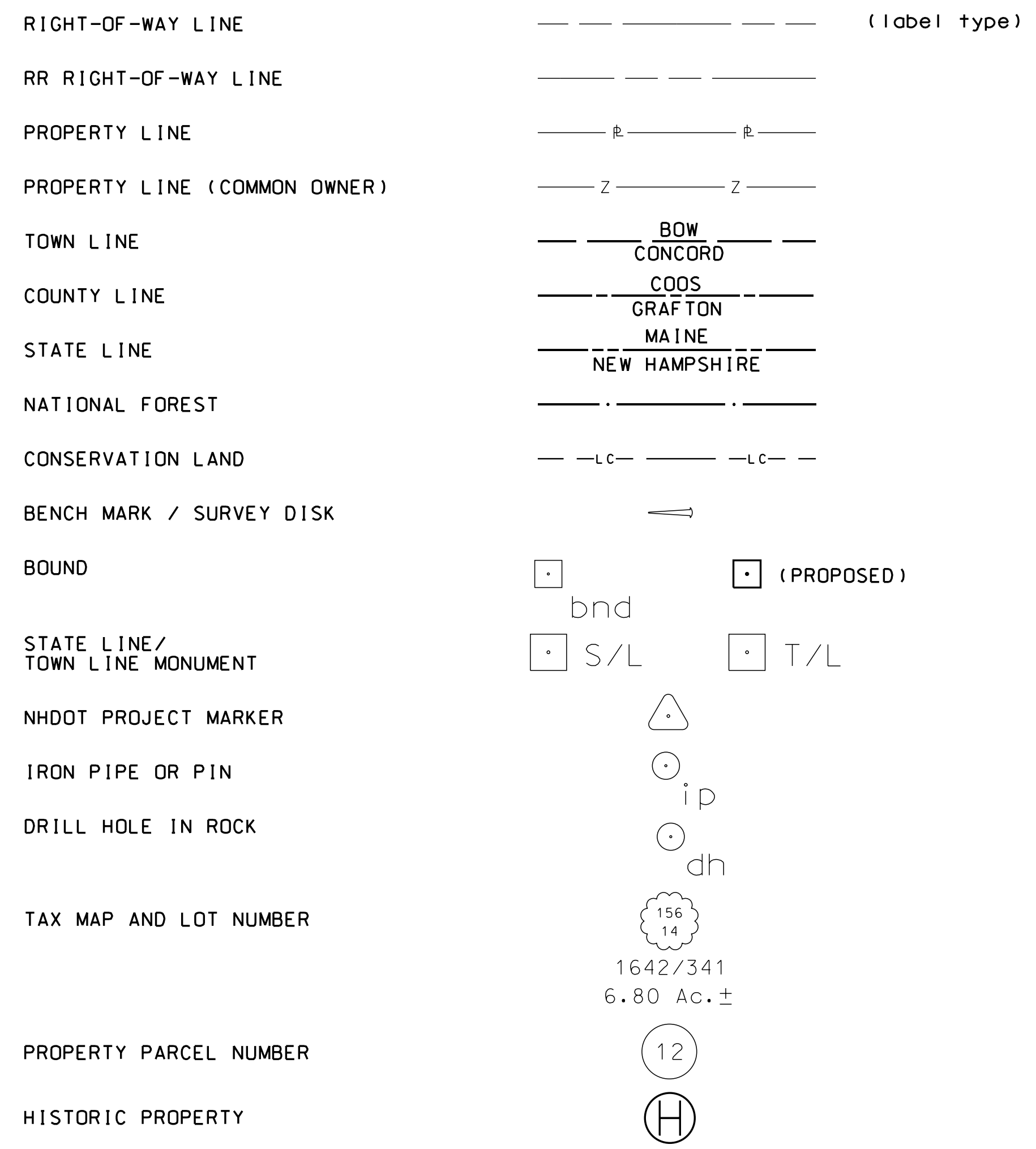
ENGINEERING

CONSTRUCTION BASELINE	
PC, PT, POT (ON CONST BASELINE)	
PI (IN CONSTRUCTION BASELINES)	
INTERSECTION OR EQUATION OF TWO LINES	
ORIGINAL GROUND LINE (PROFILES AND CROSS-SECTIONS)	
PROFILE GRADE LINE (PROFILES AND CROSS-SECTIONS)	
CLEARING LINE	
SLOPE LINE	
SLOPE LINE (FILL)	
SLOPE LINE (CUT)	
PROFILES AND CROSS SECTIONS:	
ORIGINAL GROUND ELEVATION (LEFT)	
FINISHED GRADE ELEVATION (RIGHT)	

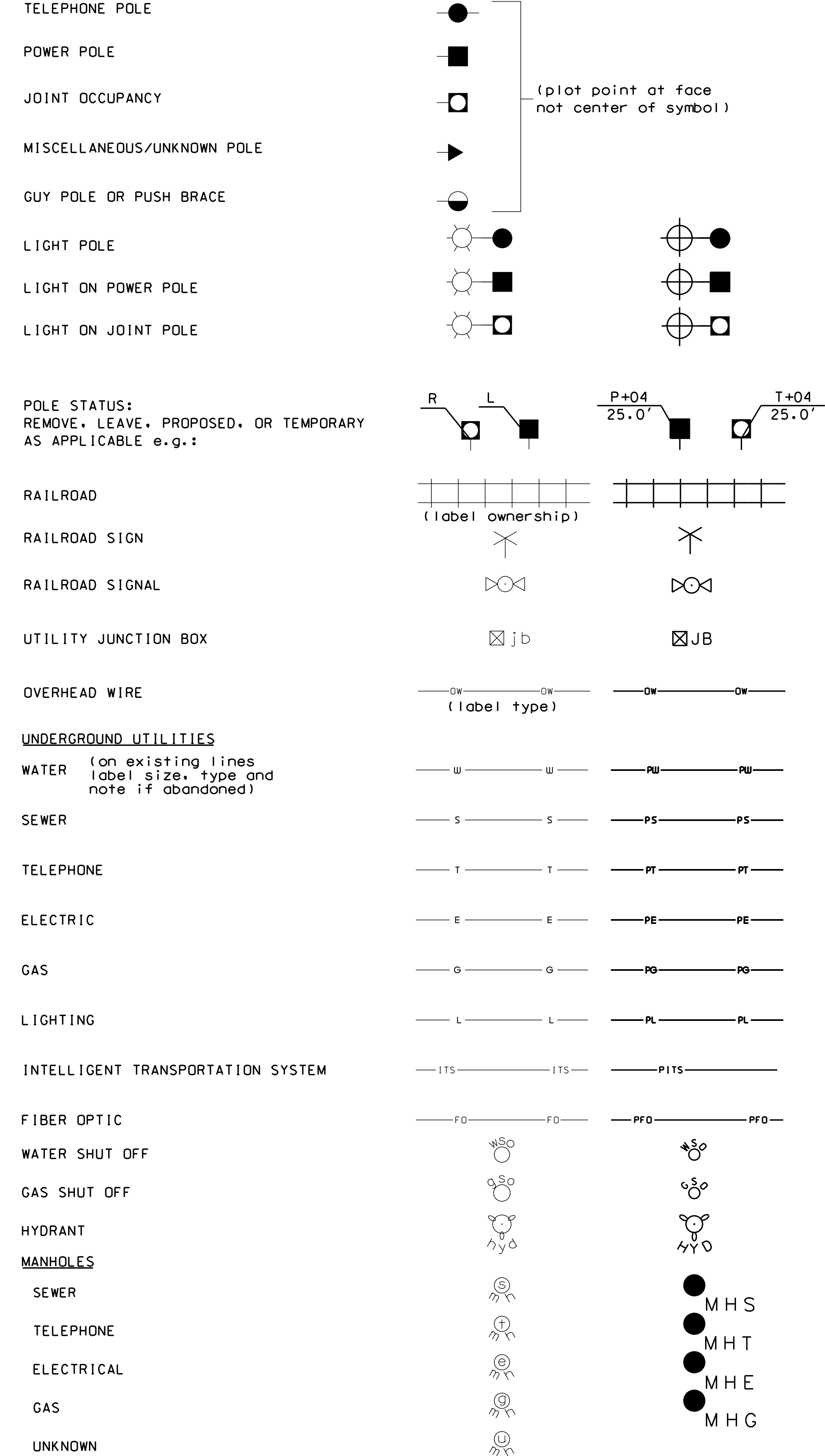
DRAINAGE



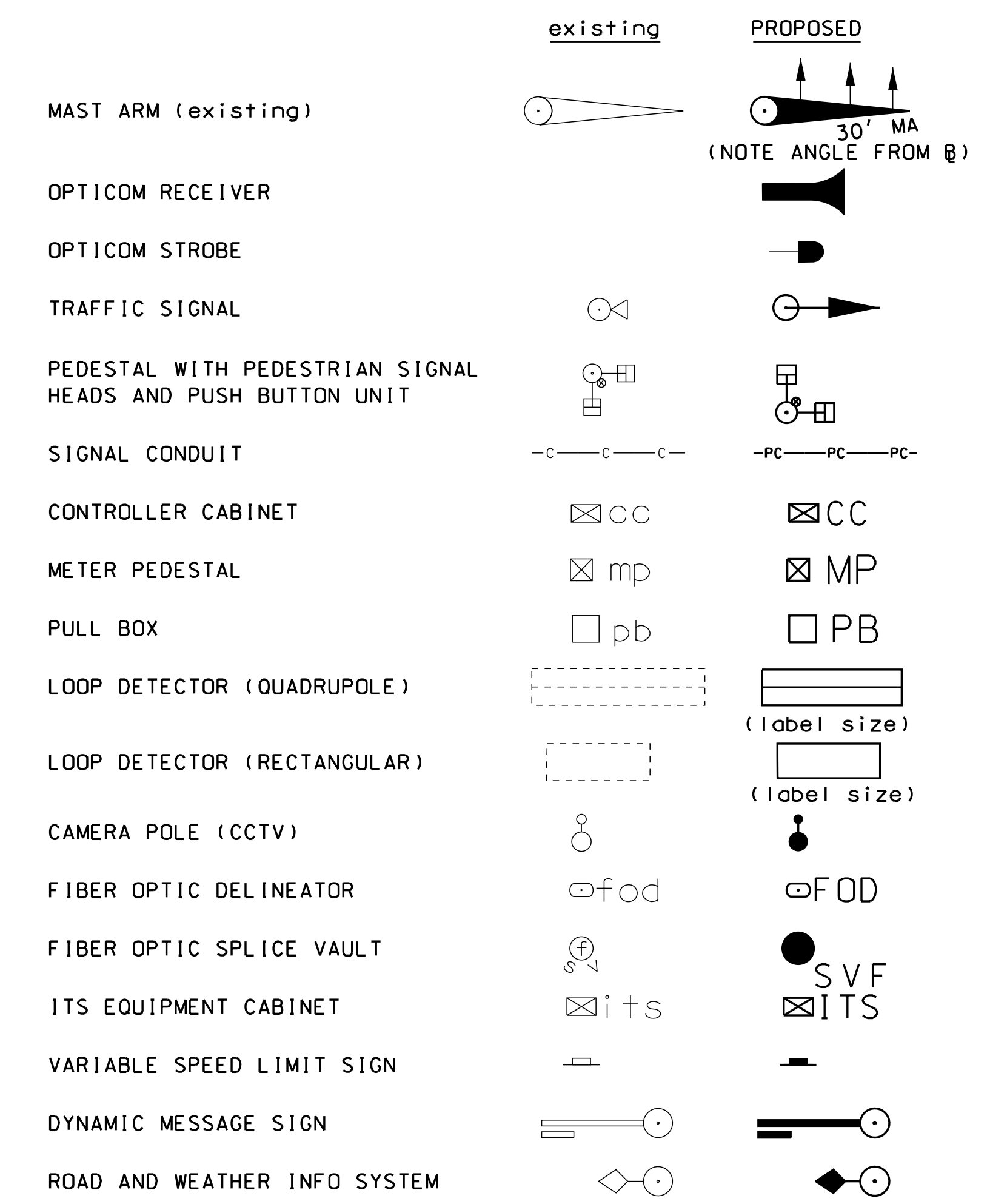
BOUNDARIES / RIGHT-OF-WAY



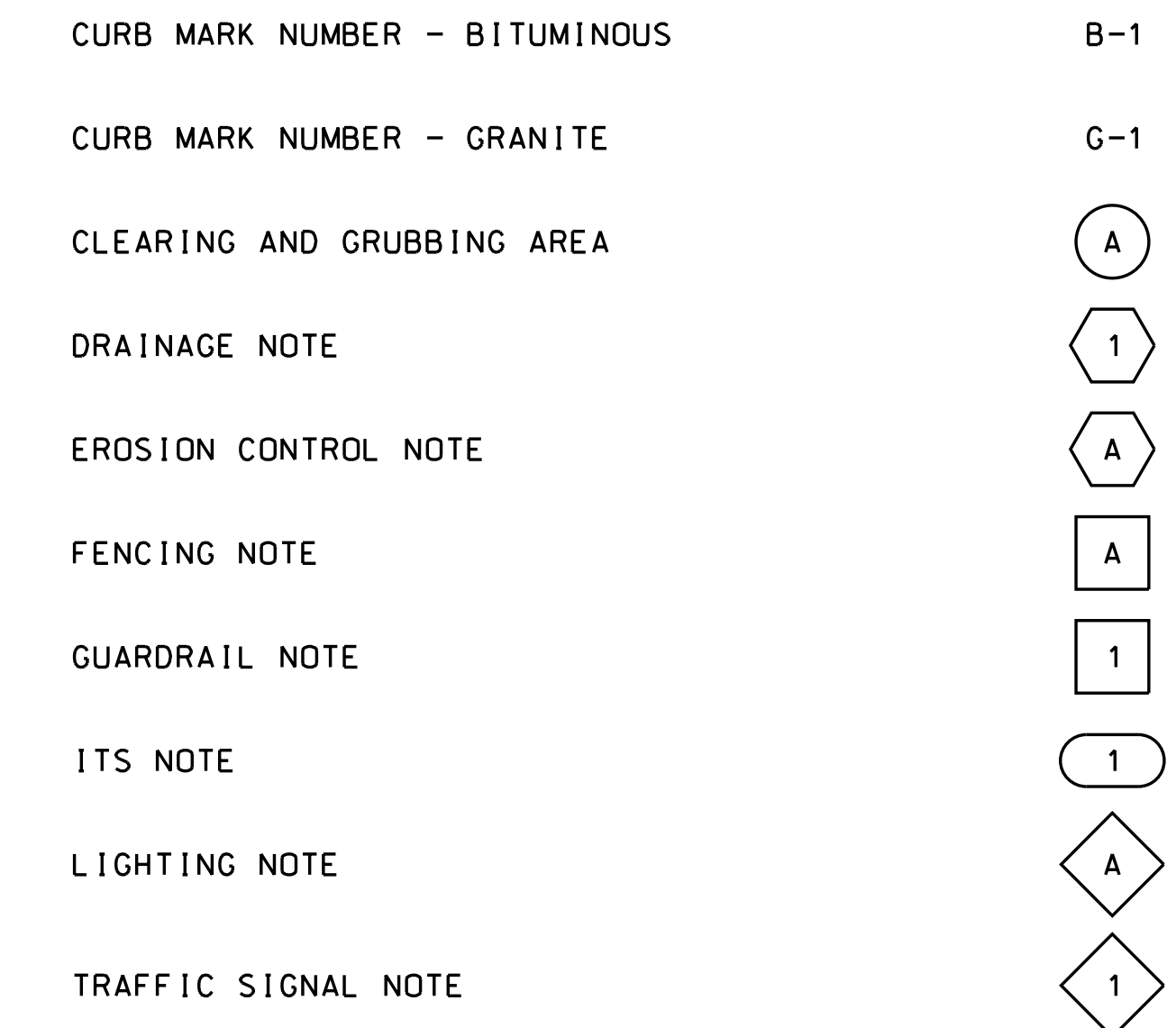
UTILITIES



TRAFFIC SIGNALS / ITS



CONSTRUCTION NOTES



GENERAL NOTES

- ① FOR STANDARD PLANS, SEE DEPARTMENT OF TRANSPORTATION WEBSITE AT: WWW.NH.GOV/DOH/PROJECTDEVELOPMENT/HIGHWAYDESIGN/STANDARDPLANS/INDEX.HTM.
- ② NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
- ③ PERFORM ALL WORK WITHIN THE EXISTING RIGHT-OF-WAY, UNLESS OTHERWISE SHOWN ON THE PLANS OR AS ORDERED BY THE ENGINEER.
- ④ SURVEY DATA FOR THIS PROJECT WAS COLLECTED BY SDR AND THE FIELD. NOTES CAN BE FOUND IN THE FIELD BOOK(S) 13355, 13507 & 13358. COORDINATES ARE NEW HAMPSHIRE STATE PLANE COORDINATES OF NAD83, 2011 ADJUSTMENT AND THE BEARINGS ARE GRID. ELEVATIONS ARE REFERENCED TO NAVD88.
- ⑤ THE RIVERWOODS DURHAM DEVELOPMENT ON STONE QUARRY DRIVE WIDENED NH ROUTE 108 AND US ROUTE 4 WESTBOUND RAMP TO ACCOMMODATE UTILITIES AND TRAFFIC. THE WIDENINGS HAVE BEEN FIELD VERIFIED AND INCORPORATED INTO THE BASE MAPPING, HOWEVER TOPOGRAPHIC SURVEY OF THE IMPROVEMENTS WAS NEITHER COLLECTED NOR MERGED INTO THE EXISTING SURVEY MODEL. CONTRACTOR SHALL FIELD VERIFY, DOCUMENT ANY DISCREPANCIES IN DIMENSIONS, CHARACTER OR EXTENT OF THE EXISTING FEATURES, AND SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO ADVANCING THE WORK.
- ⑥ THE CONTRACTOR SHALL CONTACT DIG SAFE TO SURVEY AND TAG ALL UNDERGROUND LOCATIONS OF POSSIBLE UTILITIES.
- ⑦ FOR SALVAGE OF MATERIALS, SEE PROSECUTION OF WORK.
- ⑧ PAVEMENT JOINT ADHESIVE, ITEM 403.6, SHALL BE APPLIED TO ALL EXPOSED LONGITUDINAL JOINTS OF WEARING COURSE PRIOR TO PLACEMENT OF EACH PAVEMENT COURSE PASS. PAVEMENT JOINT ADHESIVE SHALL ALSO BE APPLIED AT THE PAVEMENT MATCH TRANSVERSE JOINTS AND ALONG EXISTING CURB.
- ⑨ ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCLUDED WITHIN THE PAVEMENT ITEMS. THIS INCLUDES REMOVING ALL VEGETATIVE MATERIAL.
- ⑩ EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED OR AS DIRECTED BY THE ENGINEER.
- ⑪ SEE THE PROSECUTION OF WORK FOR THE REGRADING OF LIMITED REUSE SOILS (LRS). THE CONTRACTOR IS NOTIFIED THE PROJECT INTENT IS TO REMOVE EXISTING TOPSOIL AND REUSE ALL MATERIAL EXCAVATED, INCLUDING TOPSOIL, WITHIN THE ROW.
- ⑫ ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER. ALL WORK, EQUIPMENT AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
- ⑬ CONTRACTOR IS NOTIFIED THE BUREAU OF TRAFFIC SHALL APPROVE LAYOUT AND PLACEMENT OF FINAL PAVEMENT MARKINGS PRIOR TO INSTALLATION. SEE PROSECUTION OF WORK FOR MORE DETAILS.
- ⑭ GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE BID DOCUMENTS IS FOR THE USE OF THE BIDDERS. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF THE ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. THE BORING LOGS PROVIDED IN THE BID DOCUMENTS PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.

QUANTITY SUMMARY

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL
201.01	CLEARING (F)	A	0.5
201.881	INVASIVE SPECIES CONTROL TYPE I	SY	0
201.882	INVASIVE SPECIES CONTROL TYPE II	SY	0
203.11	COMMON EXCAVATION - LRS	CY	180
203.91	ROCK SCALING - HAND METHOD	HR	15
206.1	COMMON STRUCTURE EXCAVATION	CY	0
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	20
206.2	ROCK STRUCTURE EXCAVATION	CY	0
209.1	GRANULAR BACKFILL	CY	0
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	20
403.119	HOT BITUMINOUS PAVEMENT, MACHINE METHOD, HIGH STRENGTH	TON	600
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	20
403.6	PAVEMENT JOINT ADHESIVE	LF	4700
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	830
417	COLD PLANING BITUMINOUS SURFACES	SY	6850
608.24	4" CONCRETE SIDEWALK (F)	SY	20
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	5
609.5	RESET GRANITE CURB	LF	55
614.331	3" STEEL CONDUIT	LF	30
614.511	CONCRETE PULL BOX 14"	EA	5
614.522	MOLDED PULL BOX 13"X24"	EA	0
614.523	MOLDED PULL BOX 17"X30"	EA	6
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	350
614.73118	3" PVC CONDUIT, SCHEDULE 80	LF	140
614.73228	3" 2-DUCT HDPE CONDUIT, SCHEDULE 80	LF	80
615.0101	TRAFFIC SIGN TYPE A	SF	0
615.013	REMOVING TRAFFIC SIGN TYPE A	U	0
615.0201	TRAFFIC SIGN TYPE B	SF	100
615.023	REMOVING TRAFFIC SIGN TYPE B	U	5
615.0301	TRAFFIC SIGN TYPE C	SF	110
615.033	REMOVING TRAFFIC SIGN, TYPE C	U	4
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	2
615.0501	TRAFFIC SIGN TYPE BB	SF	55
615.053	REMOVING TRAFFIC SIGN TYPE BB	U	6
615.0601	TRAFFIC SIGN TYPE CC	SF	70
615.063	REMOVING TRAFFIC SIGN TYPE CC	U	3
615.064	RELOCATING TRAFFIC SIGN TYPE CC	U	2
616.101	TRAFFIC SIGNALS	U	1
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	5000
618.7	FLAGGERS	HR	800
619.1	MAINTENANCE OF TRAFFIC	U	1
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4
621.32	DOUBLE DELINEATOR WITH POST	EA	15
628.2	SAWED BITUMINOUS PAVEMENT	LF	600
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	6000
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	150
632.3104	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 4" LINE	LF	280
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	85
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	55
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	320
645.3	EROSION STONE	TON	50
645.531	SILT FENCE	LF	200
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	120
646.41	TURF ESTABLISHMENT WITH MULCH, TACKIFIERS AND HUMUS	SY	800
677.1201	PERMANENT FIXED LOCATION DYNAMIC MESSAGE SIGN (DMS)	U	1
677.54201	POLE MOUNTED ITS EQUIPMENT CABINET	U	1
677.6301	METER AND DISCONNECT PEDESTAL	U	1
677.9308	3-CONDUCTOR #8 AWG CABLE	U	100
692	MOBILIZATION	U	1
697.11	INVASIVE SPECIES CONTROL AND MANAGEMENT PLAN	U	1
698.13	FIELD OFFICE TYPE C	MON	15
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	5000
1010.15	FUEL ADJUSTMENT	\$	10000
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	0
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	10000

TRAFFIC SIGNAL AND LIGHTING PULL BOX AND CONDUIT SCHEDULE

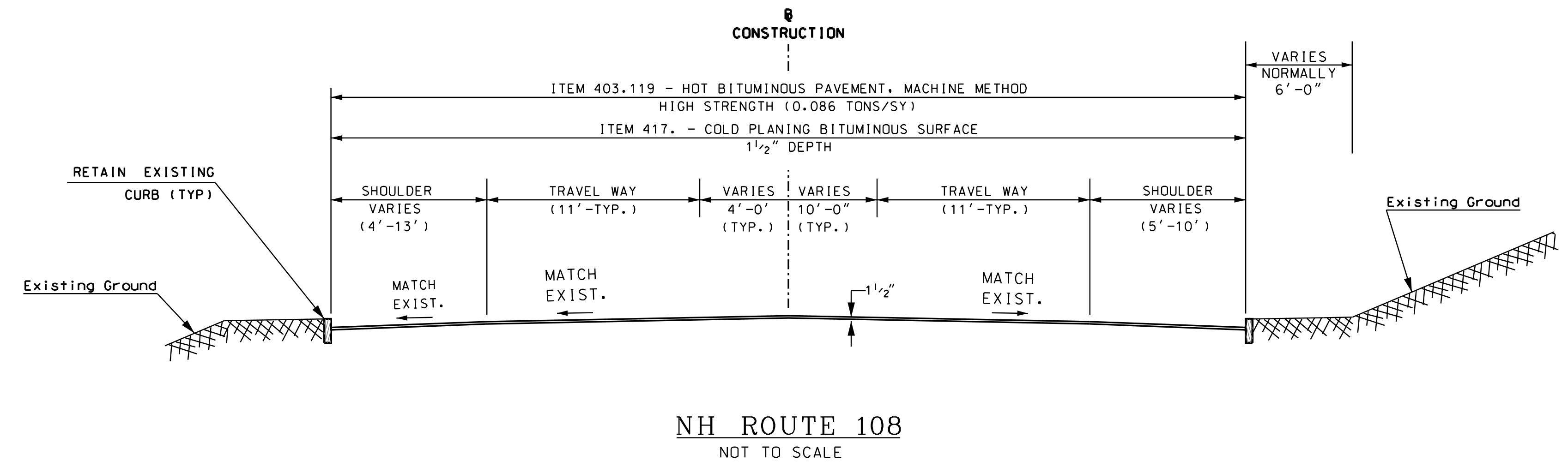
REF. NUMBER	REFERENCE LINE FOR CONDUIT RUN	ITEM NO.	614.331	614.511	614.523	614.73114	614.73118	614.73228	REMARKS
			3" STEEL CONDUIT	CONCRETE PULL BOX 14"	MOLDED PULL BOX 17"X30"	3" PVC CONDUIT, SCHEDULE 40	3" PVC CONDUIT, SCHEDULE 80	3" 2-DUCT HDPE CONDUIT, SCHEDULE 80	
LOCATION			LF	EA	EA	LF	LF	LF	
US 4 WB RAMP AT NH 108									
0		STA 118+30.9, LT 47"	10	-	-	-	-	-	POWER SOURCE
	0-1	STA 118+30.9, LT 47" - STA. 118+11.4, LT 42.6"	3	-	-	19	-	-	
		STA 118+11.4, LT 42.6"	-	-	1	-	-	-	
1		STA 118+11.4, LT 42.6"	-	-	-	-	-	-	
2	1-2	STA 118+11.4, LT 42.6" - STA. 118+11.2, RT 35.9"	-	-	-	-	-	79	
		STA 118+11.2, RT 35.9"	-	-	1	-	-	-	
3	2-3	STA 118+11.2, RT 35.9" - STA. 118+04.1, RT 43.1"	-	-	-	9	-	-	
		STA 118+04.1, RT 43.1"	-	-	-	-	-	-	METER PEDESTAL (6" STEEL CONDUIT SUBSID.)
4	3-4	STA 118+04.1, RT 43.1" - STA. 117+87.2, RT 51.5"	-	-	-	16	-	-	
		STA 117+87.2, RT 51.5"	-	-	-	-	-	-	CONTROLLER CABINET (6" STEEL CONDUIT SUBSID.)
11	4-11	STA 117+87.2, RT 51.5" - STA. 117+87.5, RT 38.7"	-	-	-	9	-	-	
		STA 117+87.5, RT 38.7"	-	-	-	-	-	-	MAST ARM
5	4-5	STA 117+87.5, RT 38.7" - 117+65.5, RT 58"	-	-	-	19	-	-	
		STA 117+65.5, RT 58"	-	-	-	-	-	-	EXIST. PULLBOX (CONNECT. TO EXIST. PULL SUBSID.)
6	5-6	STA 117+65.5, RT 58" - STA. 117+07.7, RT 44"	-	-	-	-	-	-	EXISTING CONDUIT
		STA 117+07.7, RT 44"	-	-	-	-	-	-	EXIST. PULLBOX (CONNECT. TO EXIST. PULL SUBSID.)
7	6-7	STA 117+07.7, RT 44" - STA. 117+12.3, RT 27.8"	-	-	-	15	-	-	
		STA 117+12.3, RT 27.8"	-	1	-	-	-	-	
8	7-8	STA 117+12.3, RT 27.8" - STA. 116+92.3, RT 27.8"	-	-	-	18	-	-	
		STA 116+92.3, RT 27.8"	-	1	-	-	-	-	
9	7-9	STA 117+12.3, RT 27.8" - STA. 117+12.3, LT 27.7"	-	-	-	-	56	-	
		STA 117+12.3, LT 27.7"	-	1	-	-	-	-	
10	9-10	STA 117+12.3, LT 27.7" - STA. 117+30.5, LT 34.1"	-	-	-	16	-	-	
		STA. 117+30.5, LT 34.1"	-	-	-	-	-	-	MAST ARM
12	4-12	STA 117+87.2, RT 51.5" - STA. 118+08.0, RT 35.9"	-	-	-	24	-	-	
		STA 118+08.0, RT 35.9"	-	1	-	-	-	-	
13	12-13	STA 118+08.0, RT 35.9" - STA. 118+08.0, LT 42.6"	-	-	-	-	79	-	
		STA 118+08.0, LT 42.6"	-	1	-	-	-	-	
14	13-14	STA 118+08.0, LT 42.6" - STA. 118+00.6, LT 42.8"	-	-	-	5	-	-	
		STA. 118+00.6, LT 42.8"	-	-	-	-	-	-	MAST ARM
ADD LIGHTING DESIGN									
A	2-A	STA 118+11.2, RT 35.9" - STA. 118+13.5, RT 40.6"	-	-	-	4	-	-	
		STA 118+13.5, RT 40.6"	-	-	1	-	-	-	
B	A-B	STA 118+13.5, RT 40.6" - STA. 117+73.9, RT 61.6"	-	-	-	43	-	-	
		STA 117+73.9, RT 61.6"	-	-	1	-	-	-	
C	B-C	STA 117+73.9, RT 61.6" - STA. 117+13.9, RT 41.3"	-	-	-	26	-	-	37' OF RUN IS EXISTING CONDUIT
		STA 117+13.9, RT 41.3"	-	-	1	-	-	-	
D	C-D	STA 117+13.9, RT 41.3" - STA. 117+23.1, RT 40.5"	-	-	-	9	-	-	
		STA 117+23.1, RT 40.5"	-	-	-	-	-	-	EXISTING PULL BOX
SUB TOTAL (THIS TABLE)			13	5	5	232	135	79	
FROM DMS SUMMARY			13	0	1	100	0	0	
ROUNDING			4	0	0	18	5	1	
TOTAL			30	5	6	350	140	80	

*SEE QUANTITY SUMMARY TABLE FOR ADDITIONAL ITEMS & QUANTITIES.

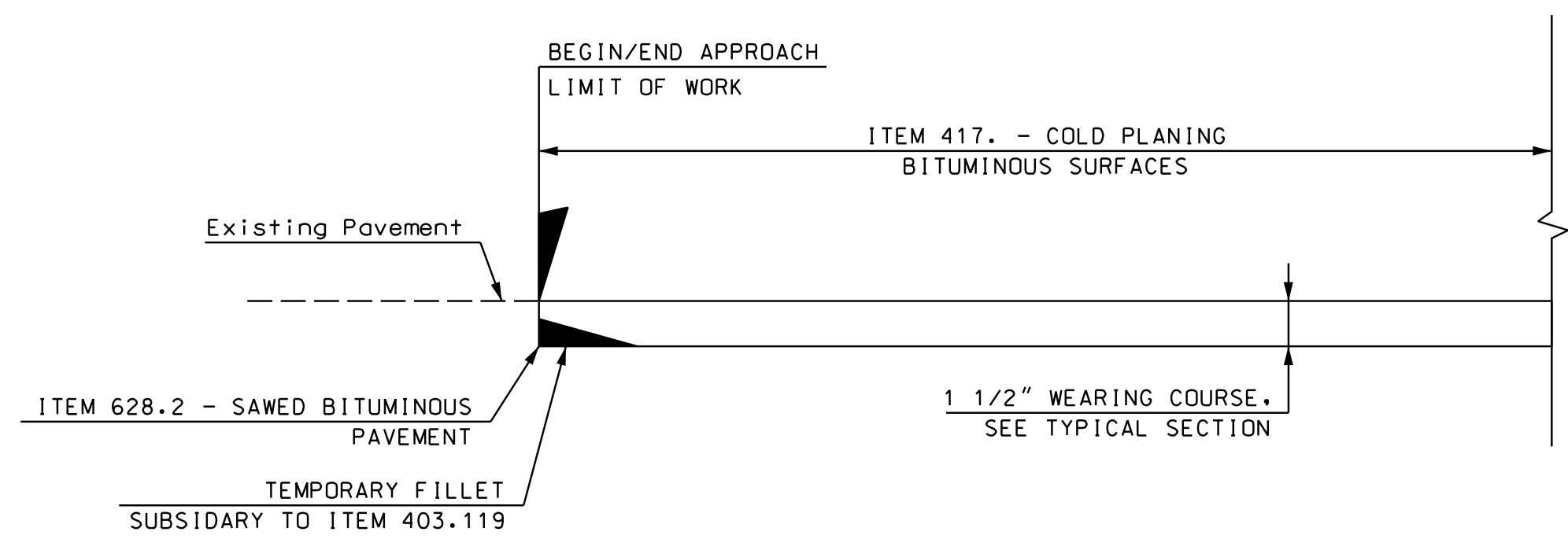
STATE OF NEW HAMPSHIRE			
DURHAM			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
GENERAL NOTES AND SUMMARY OF QUANTITIES			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
16254 Gen Note & Qty	16254	4	24

SDR PROCESSED	DATE	DATE	DATE	DATE	DATE
NEW DESIGN	CMW	03/20	03/20		
SHEET CHECKED	JMA				
AS BUILT DETAILS					

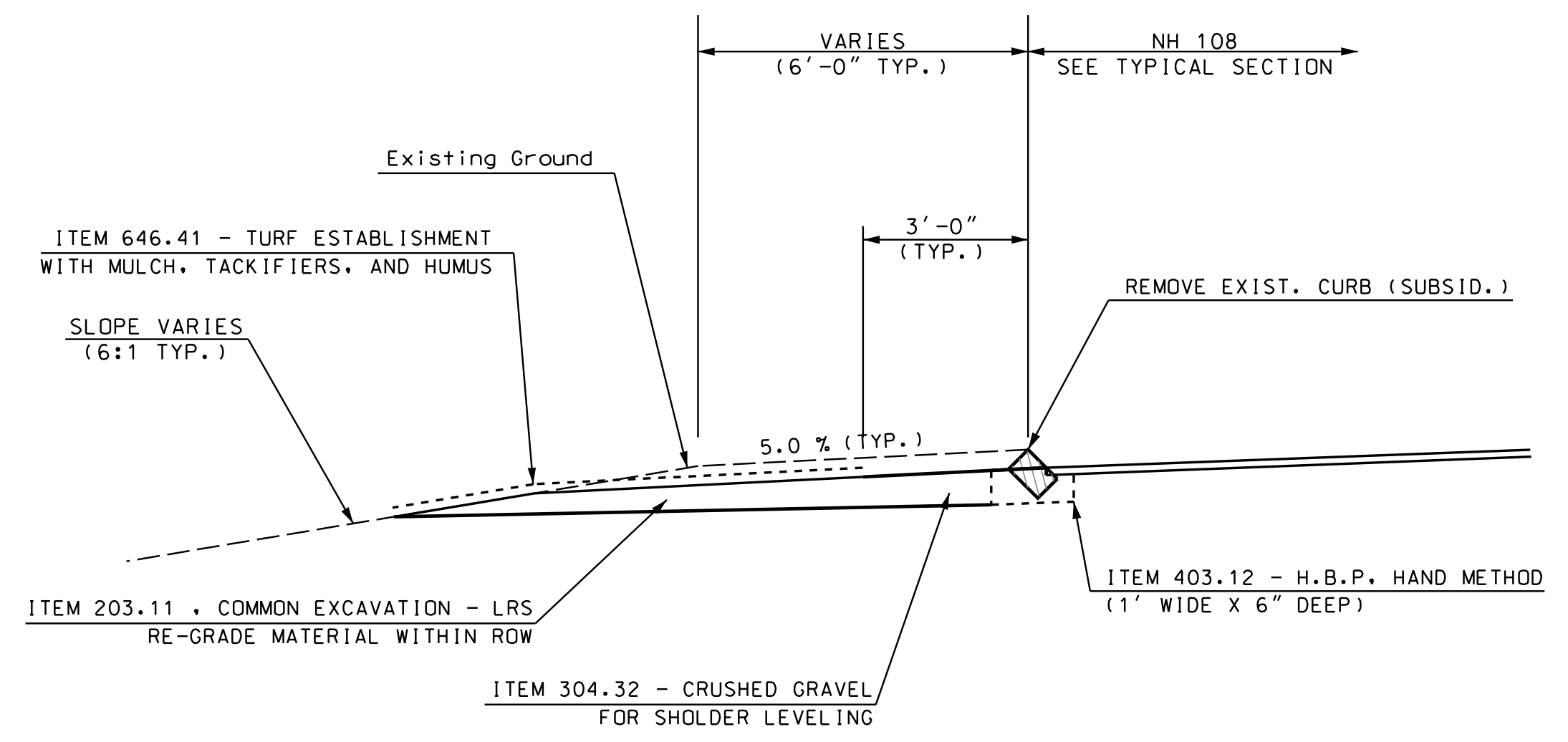
REVISIONS AFTER PROPOSAL	DESCRIPTION
STATION	
STATION	
DATE	
NUMBER	



NH ROUTE 108
NOT TO SCALE



INLAY TRANSITION DETAIL
N.T.S.



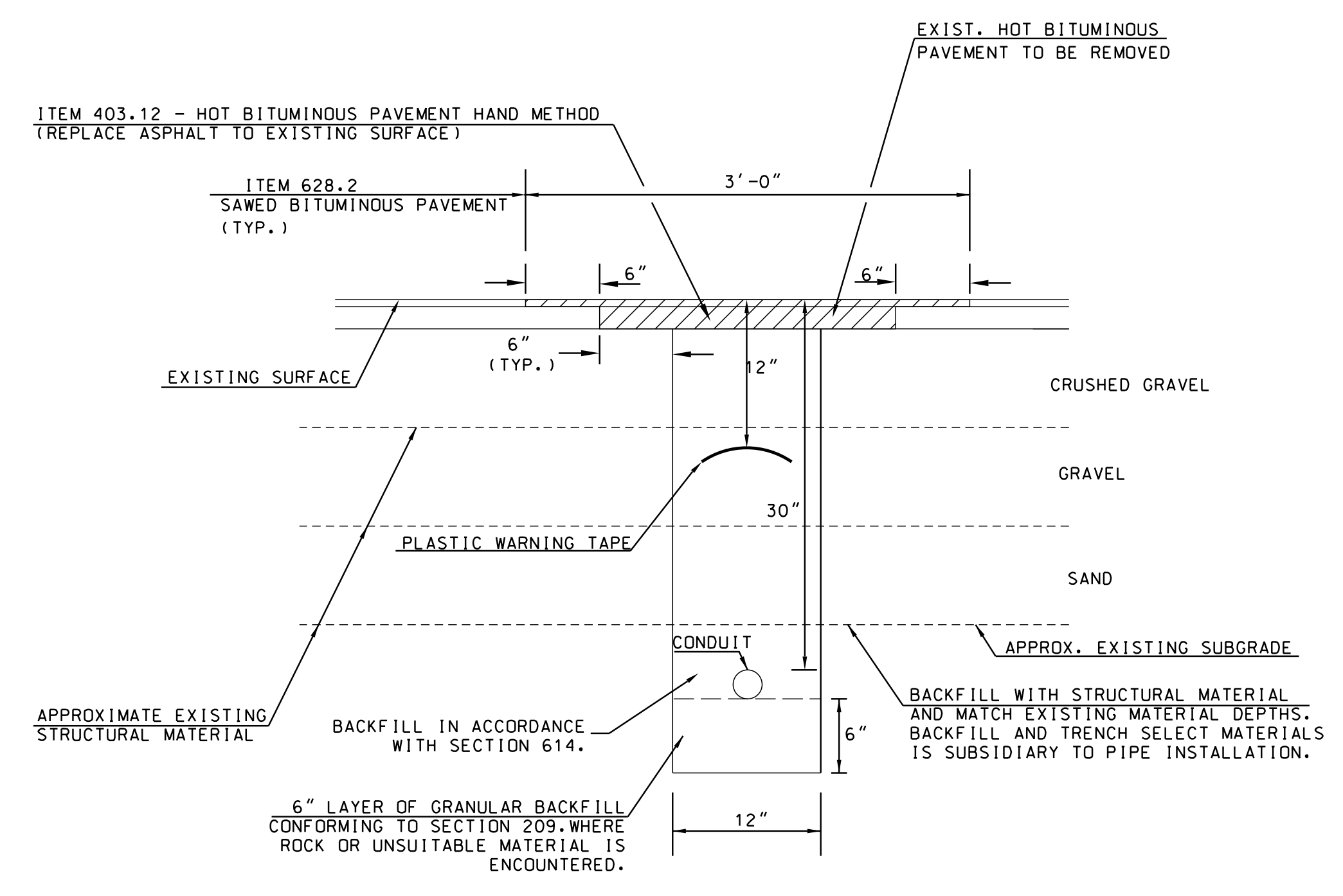
SHOULDER LEVELING DETAIL
N.T.S.

STA. 118+40 TO 120+50, LT

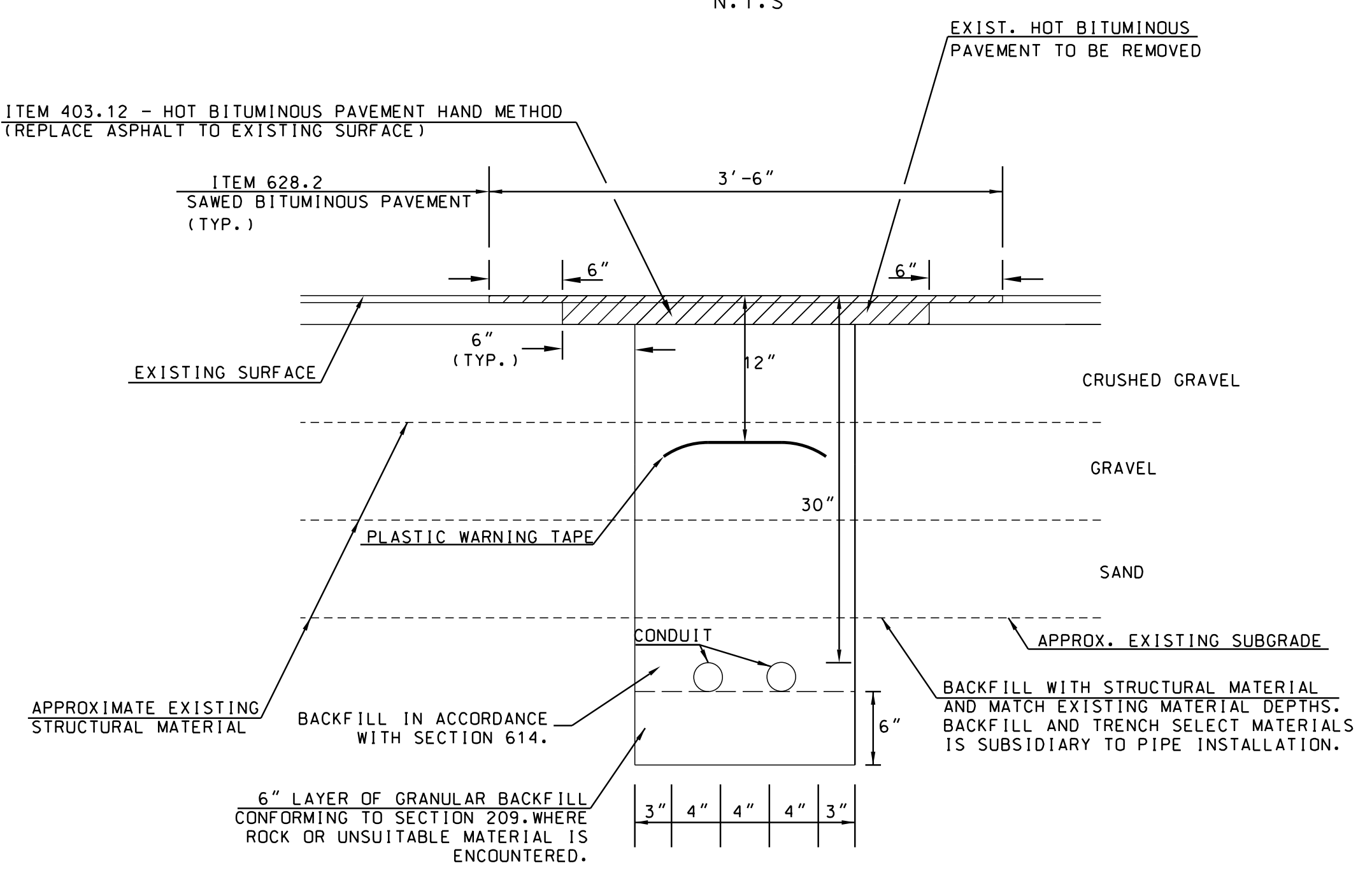
PRELIMINARY PLANS
SUBJECT TO CHANGE
DATE 4/14/2020

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
TYPICAL SECTIONS & PAVEMENT DETAILS			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
16254typ & details	16254	5	24

SDR PROCESSED	NEW DESIGN	CMW	DATE	03/20
	SHEET CHECKED	JMA	DATE	03/20
AS BUILT DETAILS				

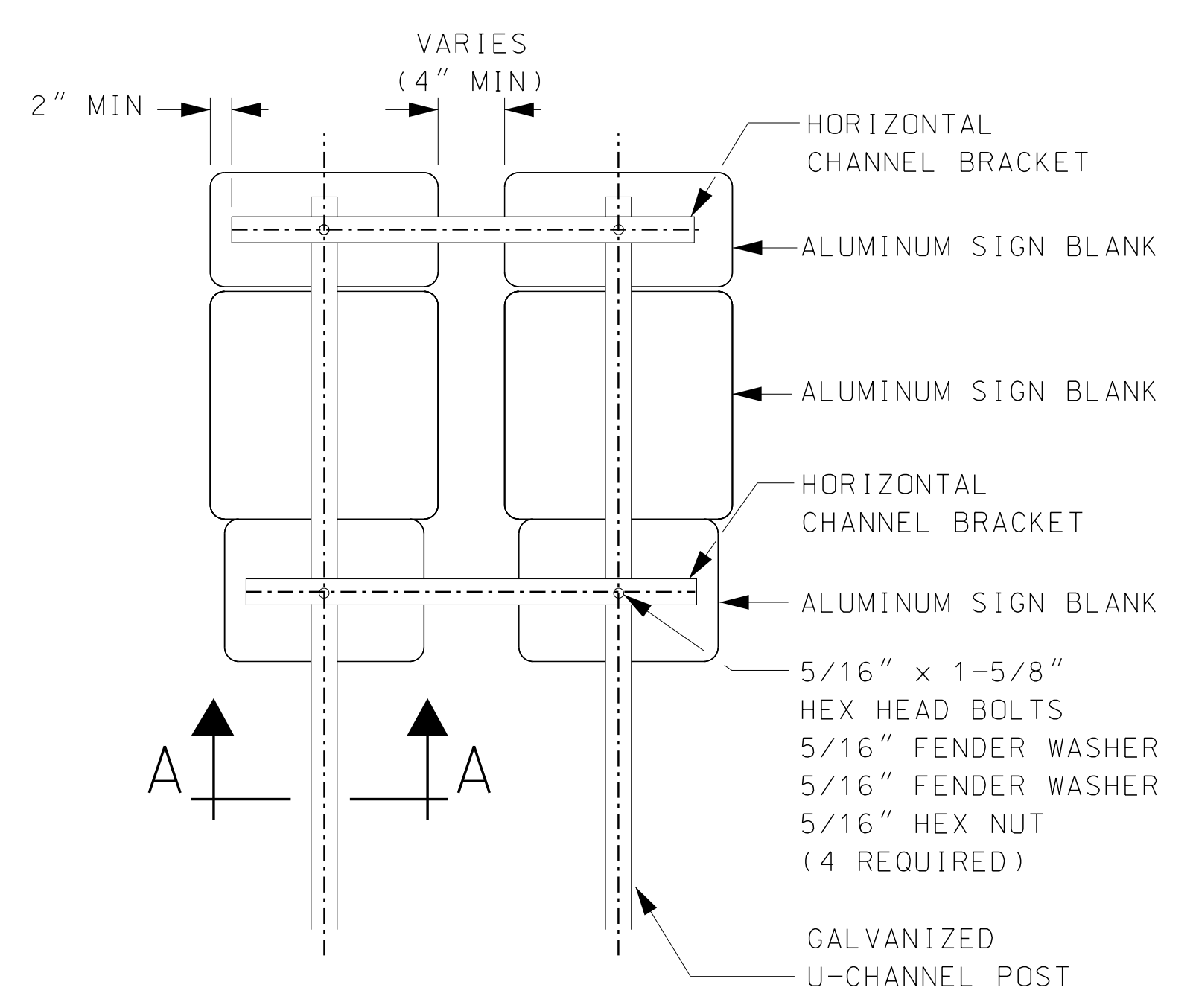


**PAVEMENT TRENCH
REPAIR SINGLE DUCT**
N.T.S.

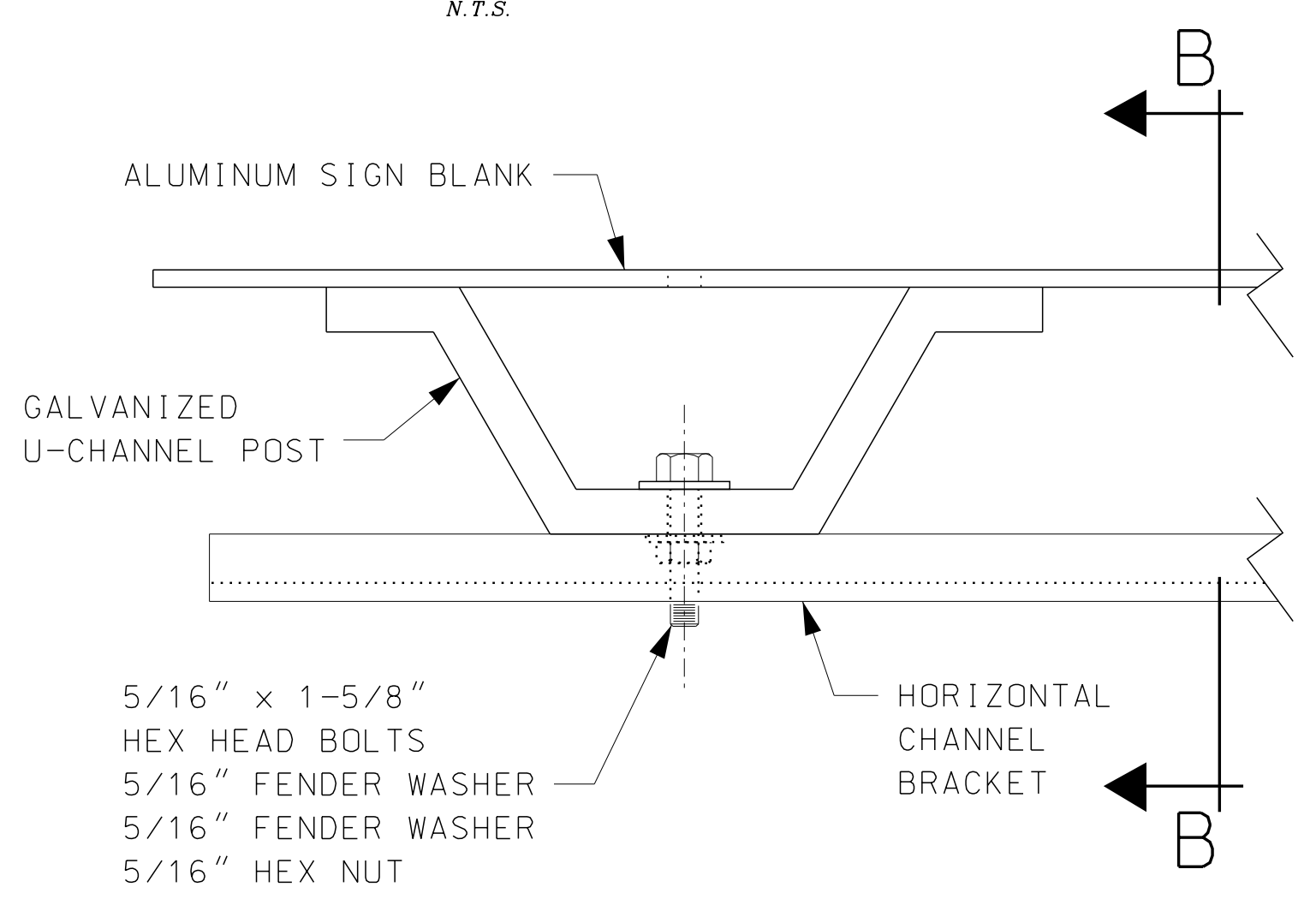


**PAVEMENT TRENCH
REPAIR 2-DUCT**
N.T.S.

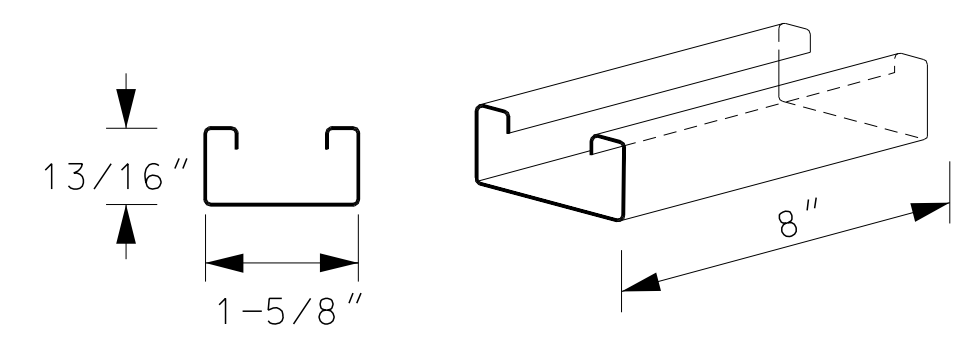
- PAVEMENT TRENCH NOTES:**
- SEE NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 2016 FOR TRENCH REQUIREMENTS.
 - MATCH EXISTING SELECT MATERIALS AND DEPTHS IN KIND.
 - USE STANDARD DETAIL SL-1 TRENCH DETAIL FOR CONDUIT INSTALLATION OUTSIDE OF PAVEMENT AREAS.



REAR VIEW
N.T.S.

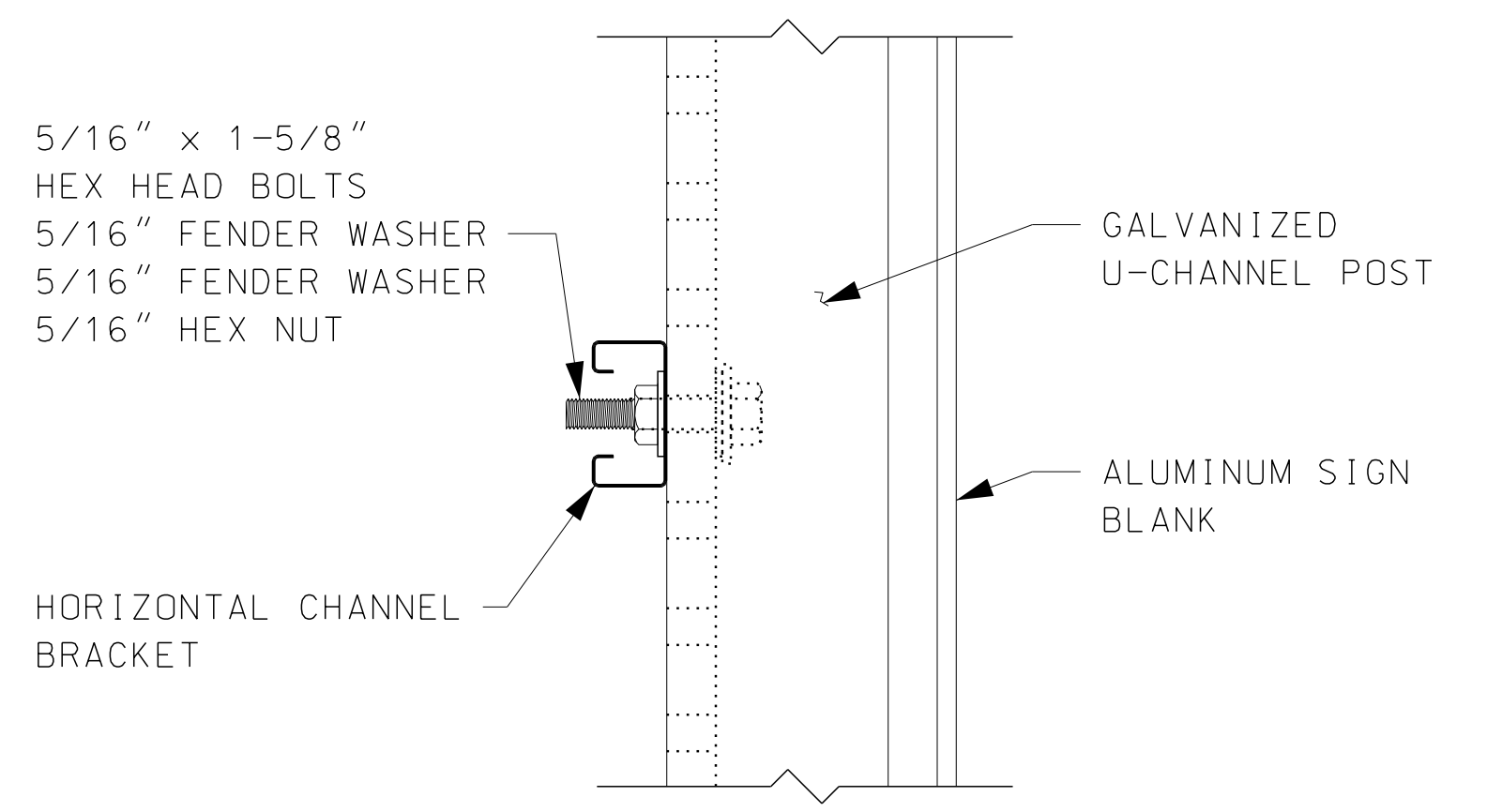


SECTION A-A
N.T.S.



CHANNEL BRACKET 14 GAUGE
N.T.S.

- 5/16" x 1-5/8"
HEX HEAD BOLTS
5/16" FENDER WASHER
5/16" FENDER WASHER
5/16" HEX NUT



SECTION B-B
N.T.S.

GENERAL NOTES

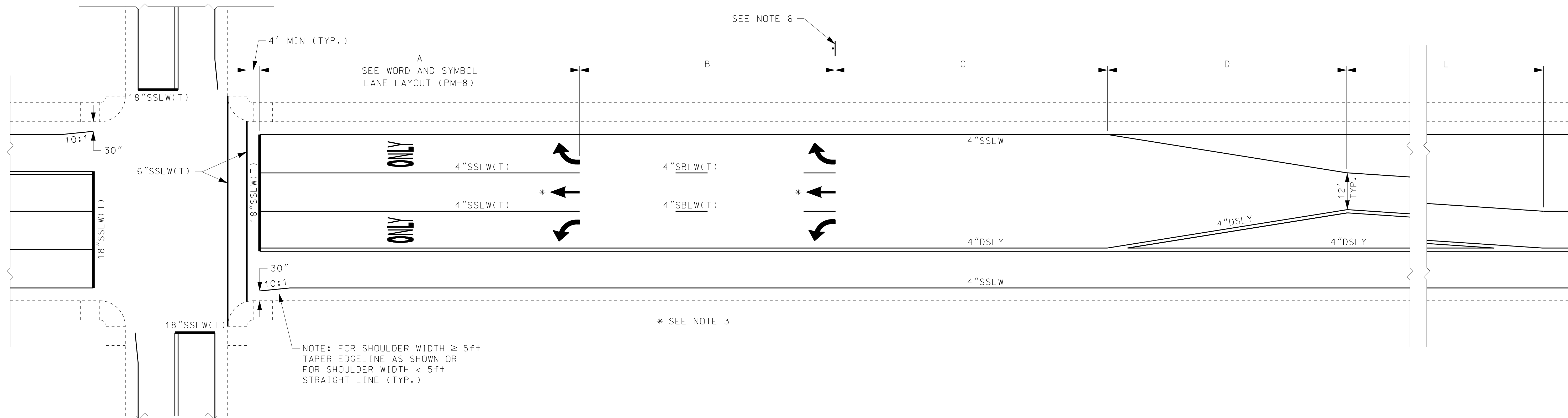
- CHANNEL BRACKET MATERIALS, HARDWARE AND LABOR FOR THE INSTALLATION AS SHOWN SHALL BE SUBSIDIARY TO THE WORK.
- FOR ADDITIONAL SIGN INSTALLATION DETAILS SEE NHDOT STANDARD PLANS FOR ROAD CONSTRUCTION AND THE LATEST EDITION OF NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

ROUTE MARKER POST ASSEMBLY DETAIL

N.T.S.

PRELIMINARY PLANS
SUBJECT TO CHANGE
DATE 4/14/2020

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
MISCELLANEOUS DETAILS			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
16254typ & details	16254	6	24



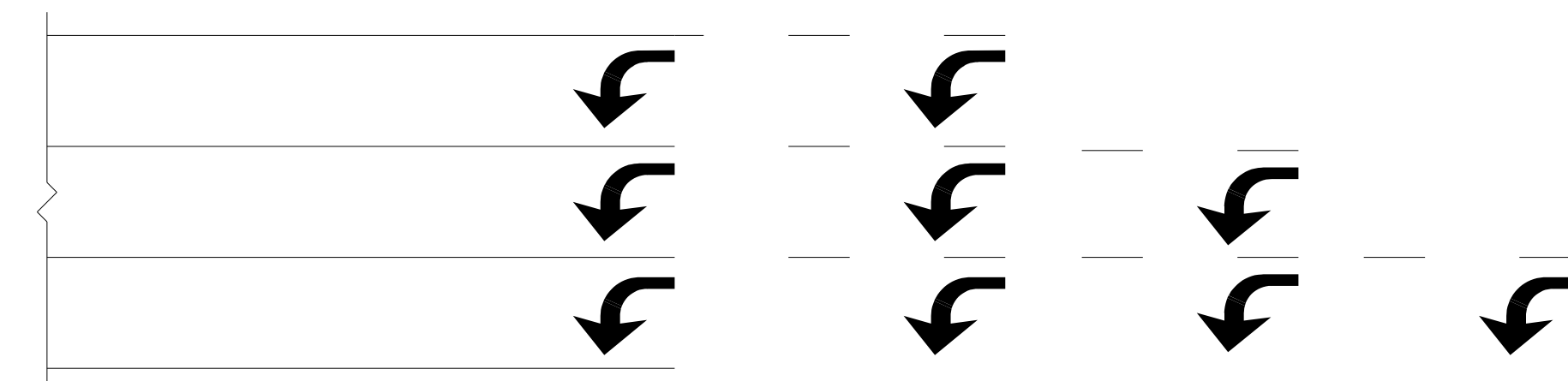
NOTE: FOR SHOULDER WIDTH \geq 5ft
 TAPER EDGE LINE AS SHOWN OR
 FOR SHOULDER WIDTH < 5ft
 STRAIGHT LINE (TYP.)

GENERAL NOTES

1. PAINTED EDGE LINE REQUIRED ON CURBED SHOULDERS GREATER THAN 24".
2. ALL SYMBOLS, WORDS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES AND RAILROAD SYMBOLS), LANE LINES AND ALL OTHER MARKINGS NOTED WITH (T) SHALL BE THERMOPLASTIC
3. THROUGH ARROWS NOT TYPICALLY REQUIRED, SEE THE PAVEMENT MARKING PLANS FOR THE APPROPRIATE LAYOUT.
4. DIMENSION L CALCULATED BASED ON MUTCD TRANSITION TAPER FORMULAS.
5. ALL SEGMENTS A THRU L ARE REQUIRED TO ESTABLISH TURN LANES.
6. LANE USE SIGNS (R3-8 SERIES) TO BE PLACED AT UPSTREAM LEGEND ARROW ADDITIONAL SIGNS MAY BE REQUIRED FOR DOWNSTREAM GEOMETRIC CHANGES.






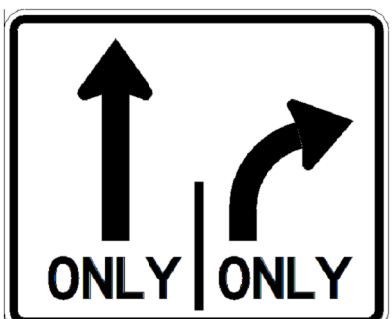
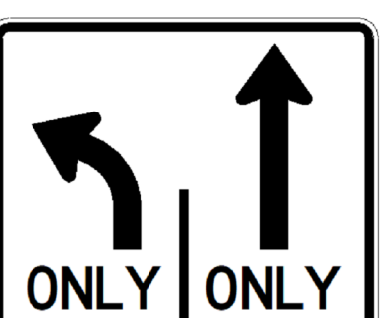
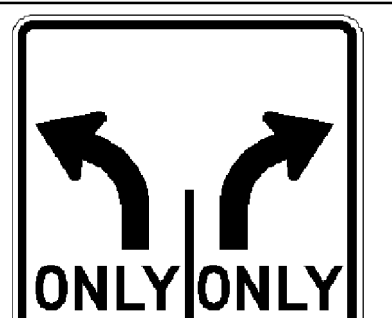
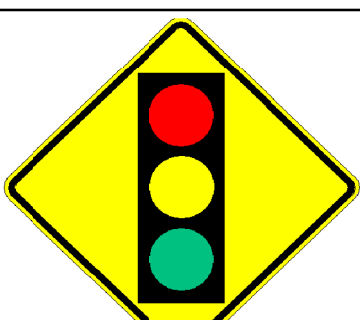

POSTED SPEED (mph)	TYPICAL 'B' LAYOUT			C (ft)	D (ft)	L** (ft)
	BROKEN LINES	ARROWS	LENGTH (ft)			
30	0	0	0	85	75	$L = WS^2/60$
35	0	0	0	140	75	$L = WS^2/60$
40	2	1	80	120	75	$L = WS^2/60$
45	2	1	80	170	100	$L = WS$
50	4	2	160	165	100	$L = WS$
55	6	3	240	175	100	$L = WS$



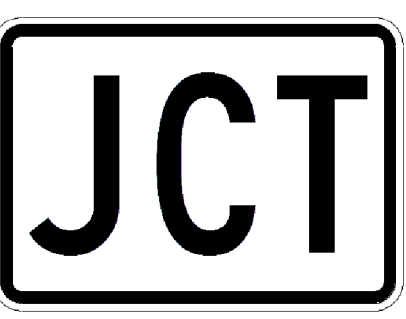



- ** 100' (MIN.) IS REQUIRED IN URBAN AREAS AND 200' (MIN.) IS REQUIRED IN RURAL AREAS FOR L.
- W IS THE WIDTH OF OFFSET, IN FEET.
- S IS THE HIGHER OF THE POSTED OR STATUTORY SPEED LIMIT IN MILES PER HOUR.
- WHERE OBSERVED SPEEDS EXCEED POSTED OR STATUTORY SPEED LIMITS, LONGER TAPERS SHOULD BE USED.
- WHERE OFFSETS ARE DIFFERENT ON EITHER SIDE OF CENTERLINE, THE LONGER MEASUREMENT SHALL GOVERN THE LENGTH OF BOTH TAPERS.



BROKEN LINE/ARROW LAYOUT

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF TRAFFIC			
INTERSECTION DETAILS			
REVISION DATE	DGN	STATE PROJECT NO.	TOTAL SHEETS
01-10-20	2016_PM-07	16254	24

ITEM #	IDENT #	SIGN SIZE		TEXT	TEXT DIMENSIONS			SHIELD SIZE (inch)	ARROW (inch)	NUMERAL (inch)	# SIGNS REQ'D	SIGN AREA (SQ. FT.)		POSTS PER SIGN				REMARKS	
		WIDTH (inch)	HEIGHT (inch)		LETTER HEIGHT (inch)							NOM AREA	TOTAL AREA	BREAKAWAY	STEEL I-BEAM	4" OD ALUMINUM	U-CHANNEL-GALV.		
					UC	LC	CAPS												
615.0601	R2-1(30)	24	30				5E				1	5.00	5.00						BLACK/WHITE - MOUNT TO EXISTING POST
615.0301	R3-1	24	24								1	4.00	4.00						BLACK/WHITE/RED
616.101	R3-1	36	36								1	9.00	9.00						BLACK/WHITE/RED - MOUNT TO SIGNAL MAST ARM POST
615.0301	R3-2	24	24								1	4.00	4.00						BLACK/WHITE/RED
616.101	R3-2	36	36								1	9.00	9.00						BLACK/WHITE/RED - MOUNT TO SIGNAL MAST ARM POST
615.0301	R3-8(35)	36	30				4D				2	7.50	15.00						BLACK/WHITE
615.0301	R3-8(13)	36	30				4D				2	7.50	15.00						BLACK/WHITE
615.0301	R3-8(15)	36	30				4D				1	7.50	7.50						BLACK/WHITE
615.0301	W3-3	30	30								3	6.25	18.75				1		BLACK/RED/GREEN/YELLOW
615.0301	M1-4(4)	24	24									4	4.00	16.00					BLACK/WHITE - SEE GENERAL NOTES 6 & 8

ITEM #	IDENT #	SIGN SIZE		TEXT	TEXT DIMENSIONS			SHIELD SIZE (inch)	ARROW (inch)	NUMERAL (inch)	# SIGNS REQ'D	SIGN AREA (SQ. FT.)		POSTS PER SIGN				REMARKS	
		WIDTH (inch)	HEIGHT (inch)		LETTER HEIGHT (inch)							NOM AREA	TOTAL AREA	BREAKAWAY	STEEL I-BEAM	4" OD ALUMINUM	U-CHANNEL-GALV.		
					UC	LC	CAPS												
615.0601	M1-4(4)	24	24							12D	3	4.00	12.00						BLACK/WHITE - SEE GENERAL NOTES 6 & 8
615.0301	M1-5e(108)	24	24							12B	5	4.00	20.00						BLACK/WHITE - SEE GENERAL NOTES 6 & 8
615.0601	M2-1	21	15						9C		1	2.19	2.19						BLACK/WHITE - MOUNT ABOVE M1-4(4)
615.0601	M3-1	24	12						7C/6C		2	2.00	4.00						BLACK/WHITE - MOUNT ABOVE M1-5e(108)
615.0601	M3-2	24	12						7C/6C		3	2.00	6.00						BLACK/WHITE - MOUNT ABOVE M1-4(4)
615.0601	M3-3	24	12						7C/6C		3	2.00	6.00						BLACK/WHITE - MOUNT ABOVE M1-5e(108)

GENERAL NOTES

- REFER TO THE 2010 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION PUBLISHED BY THE NHDOT.
- NOTE NEW REFLECTIVITY REQUIREMENTS IN THE 2016 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 718 PUBLISHED BY THE NHDOT.
- REFER TO THE 2010 STANDARD PLANS FOR ROAD CONSTRUCTION AS PUBLISHED BY THE NHDOT FOR EXACT DETAILS OF PERMANENT SIGNING STANDARDS AND NHDOT SPECIFIC SIGNS.
- REFER TO THE LATEST EDITION OF THE STANDARD HIGHWAY SIGNS MANUAL AS PUBLISHED BY THE USDOT-FHWA FOR EXACT DETAILS OF BORDERS, ETC.
- THE ALUMINUM OR U-CHANNEL POST SHALL BE FLUSH WITH THE TOP OF THE SIGN ON ALL SINGLE POST ASSEMBLIES.
- REFER TO 'ROUTE MARKER POST ASSEMBLY DETAIL' LOCATED IN THE PLANS FOR SIDE BY SIDE ROUTE MARKER SIGN INSTALLATIONS.
- DIGITALLY PRINTED SIGNS SHALL NOT BE PERMITTED.
- THE FOLLOWING SIGN ASSEMBLY LOCATIONS SHALL REFER TO THE ROUTE MARKER POST ASSEMBLY DETAIL:

~ STA. 113+80 RT
 ~ STA. 114+00 LT
 ~ STA. 117+00 RT
 ~ STA. 118+40 LT
 ~ STA. 406+70 RT

STATE OF NEW HAMPSHIRE
 DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY DESIGN

SIGN TEXT LAYOUT

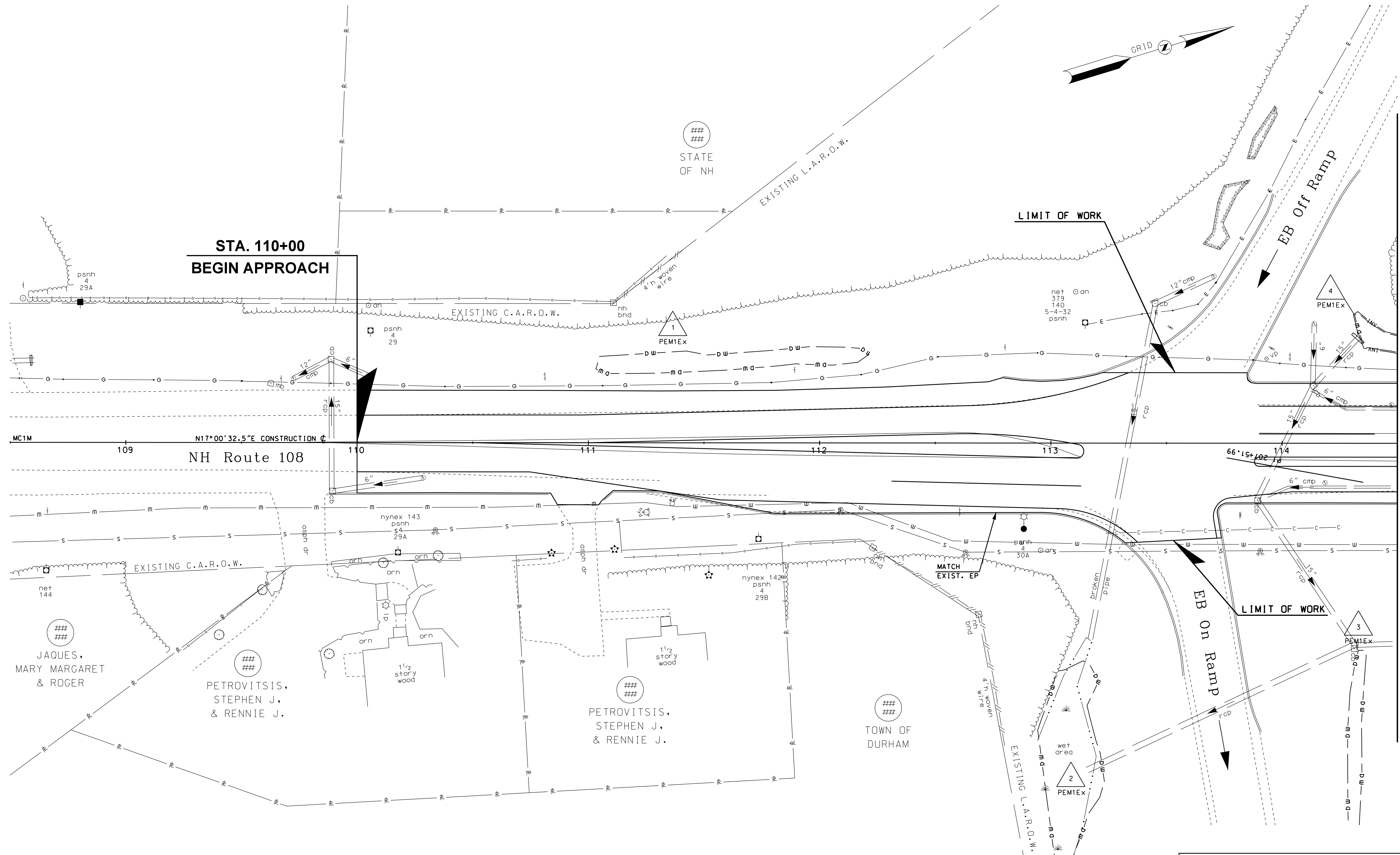
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S:\Project Development\Forms\Project\sgntxt-1.xls	16254	X-A001(211)	8	24

SDR PROCESSED DATE 03/02 DATE 04/02
 NEW DESIGN INJ DATE 03/02 DATE 04/02
 SHEET CHECKED CMM
 AS BUILT DETAILS

REVISIONS AFTER PROPOSAL
 STATION
 STATION
 DATE
 NUMBER

SDR PROCESSED	DATE	DATE	DATE	DATE
NEW DESIGN	CWW	10/19	04/20	
SHEET CHECKED	JMA			
AS BUILT DETAILS				

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION



PRELIMINARY PLANS
 SUBJECT TO CHANGE
 DATE 4/14/2020



STATE OF NEW HAMPSHIRE
 DURHAM
 DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

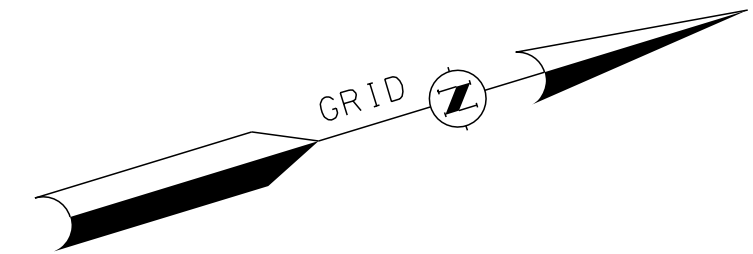
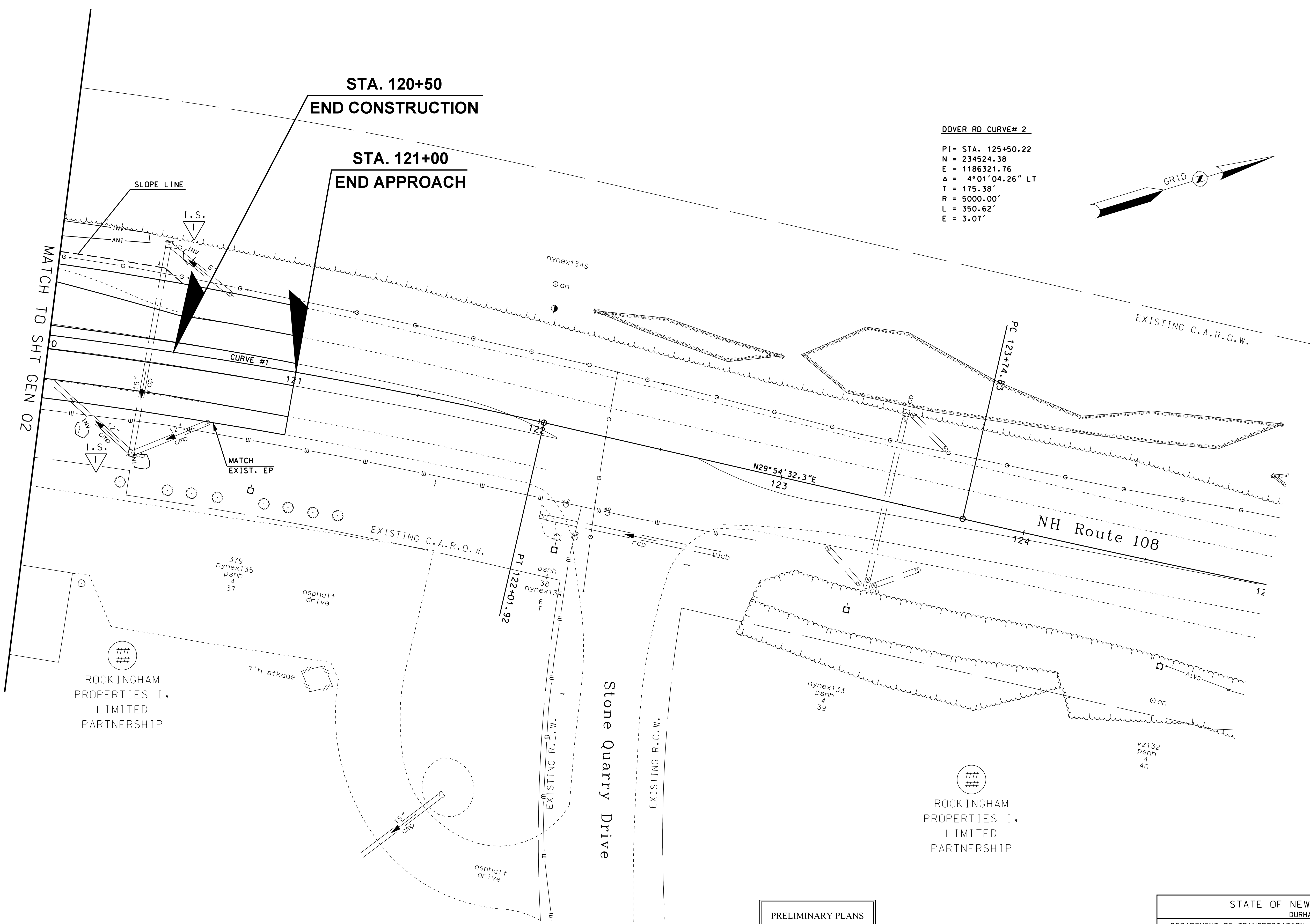
GENERAL PLANS

MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
GEN01	16254genplans	16254	10	24

MATCH TO SHT GEN 02

SDR PROCESSED	DATE	10/19
NEW DESIGN	CWM	DATE
SHEET CHECKED	JMA	DATE
AS BUILT DETAILS	DATE	

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION



ROCKINGHAM PROPERTIES I, LIMITED PARTNERSHIP

ROCKINGHAM PROPERTIES I, LIMITED PARTNERSHIP

PRELIMINARY PLANS
SUBJECT TO CHANGE
DATE 4/14/2020



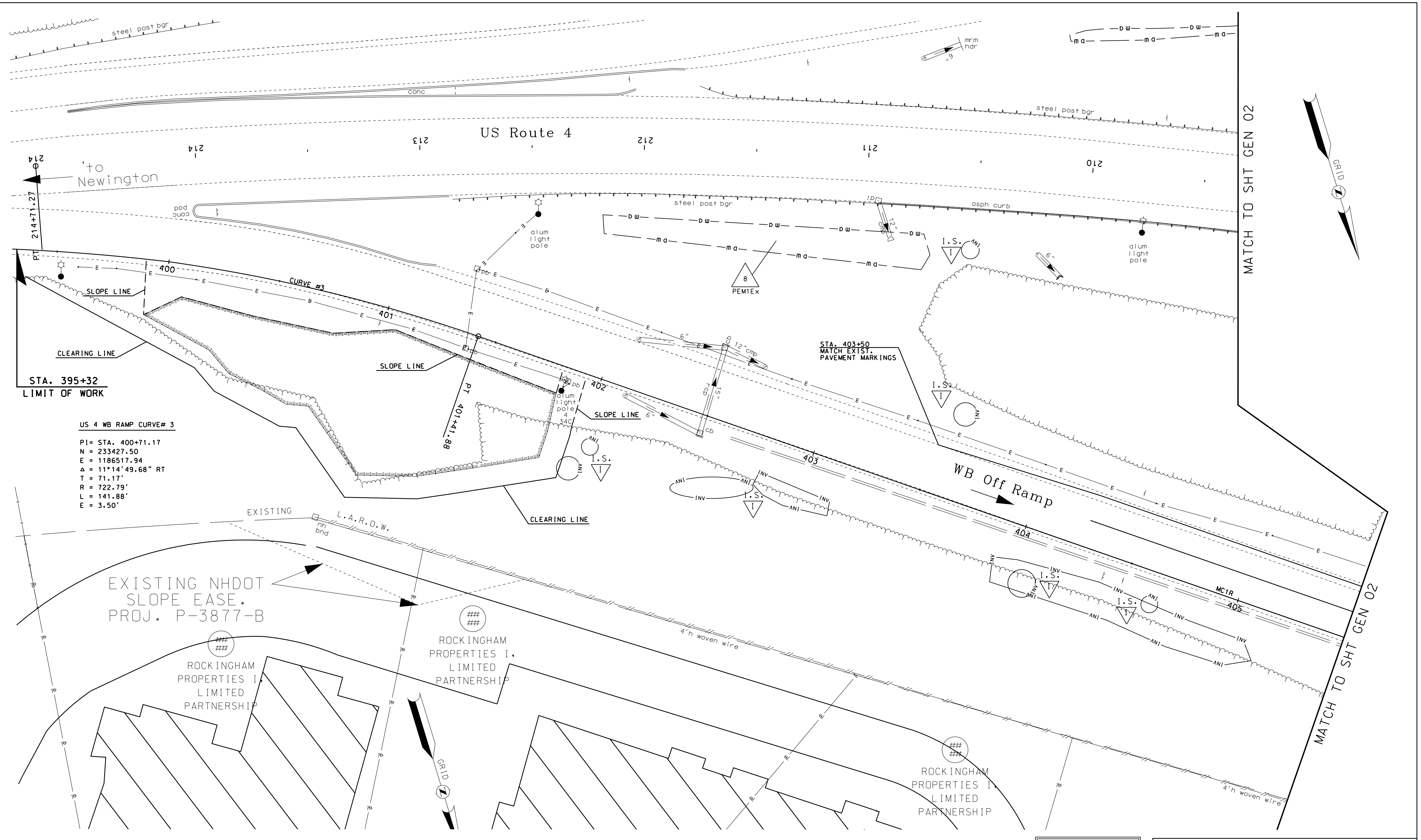
STATE OF NEW HAMPSHIRE
DURHAM
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

GENERAL PLANS

MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
GEN03	16254genplans	16254	12	24

SDR PROCESSED	DATE	DATE	DATE	DATE
NEW DESIGN	CW	04/20	04/20	
SHEET CHECKED	JMA			
AS BUILT DETAILS				

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION



US 4 WB RAMP CURVE# 3

PI = STA. 400+71.17
 N = 233427.50
 E = 1186517.94
 Δ = 111°14'49.68" RT
 T = 71.17'
 R = 722.79'
 L = 141.88'
 E = 3.50'



PRELIMINARY PLANS
 SUBJECT TO CHANGE
 DATE 4/14/2020

STATE OF NEW HAMPSHIRE
 DURHAM
 DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

GENERAL PLANS

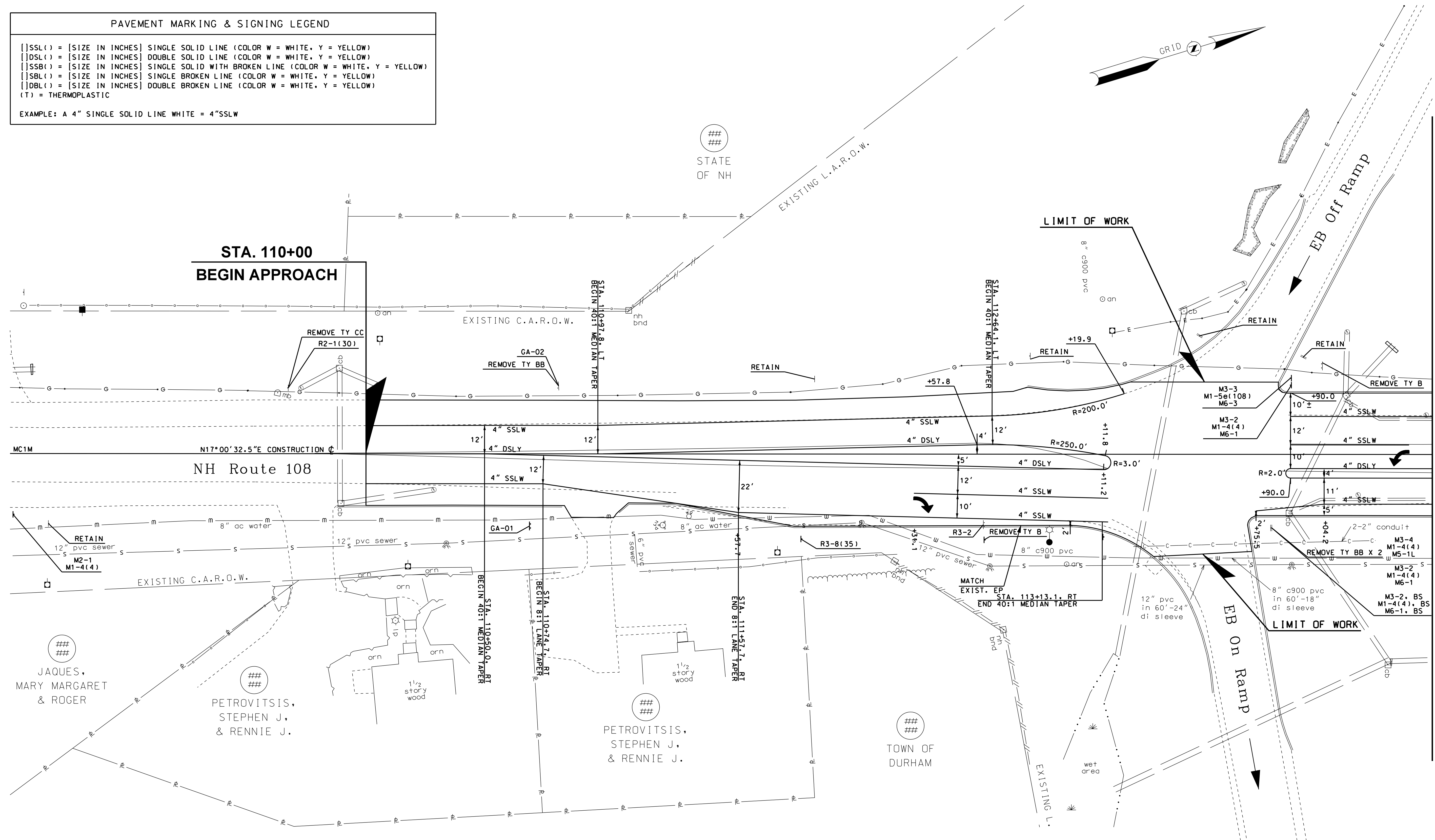
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
GEN04	16254genplans	16254	13	24

PAVEMENT MARKING & SIGNING LEGEND

[]SSL() = [SIZE IN INCHES] SINGLE SOLID LINE (COLOR W = WHITE, Y = YELLOW)
 []DSL() = [SIZE IN INCHES] DOUBLE SOLID LINE (COLOR W = WHITE, Y = YELLOW)
 []SSB() = [SIZE IN INCHES] SINGLE SOLID WITH BROKEN LINE (COLOR W = WHITE, Y = YELLOW)
 []SBL() = [SIZE IN INCHES] SINGLE BROKEN LINE (COLOR W = WHITE, Y = YELLOW)
 []DBL() = [SIZE IN INCHES] DOUBLE BROKEN LINE (COLOR W = WHITE, Y = YELLOW)
 (T) = THERMOPLASTIC

EXAMPLE: A 4" SINGLE SOLID LINE WHITE = 4"SSLW

SDR PROCESSED	DATE	10/19
NEW DESIGN	CWW	
SHEET CHECKED	JMA	
AS BUILT DETAILS	DATE	



PAVEMENT MARKING NOTES

- ALL SYMBOLS, WORDS, TRANSVERSE MARKINGS (STOP BARS, CROSSWALK LINES, AND RAILROAD SYMBOLS), LANE LINES AND ALL OTHER MARKINGS NOTED WITH (T) SHALL BE THERMOPLASTIC.
- THE CONTRACTOR SHALL CONTACT JULIE MATHEWS AT THE NHDOT BUREAU OF TRAFFIC AT (603) 271-2291 ONE WEEK PRIOR TO PAVEMENT MARKING.

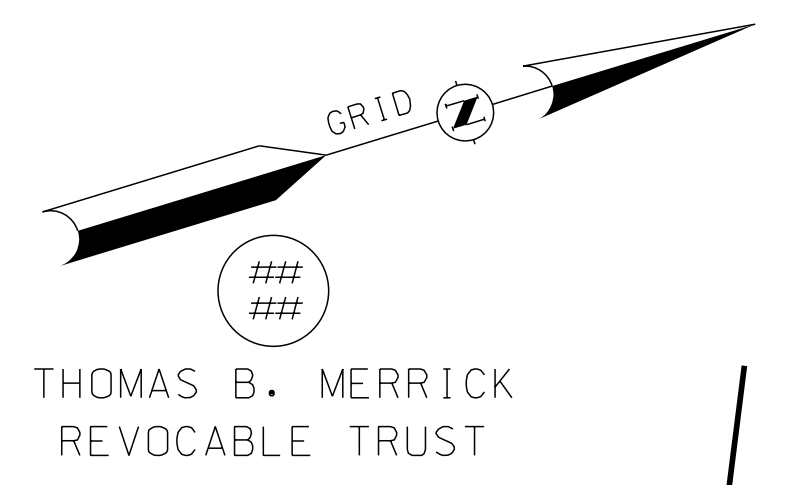
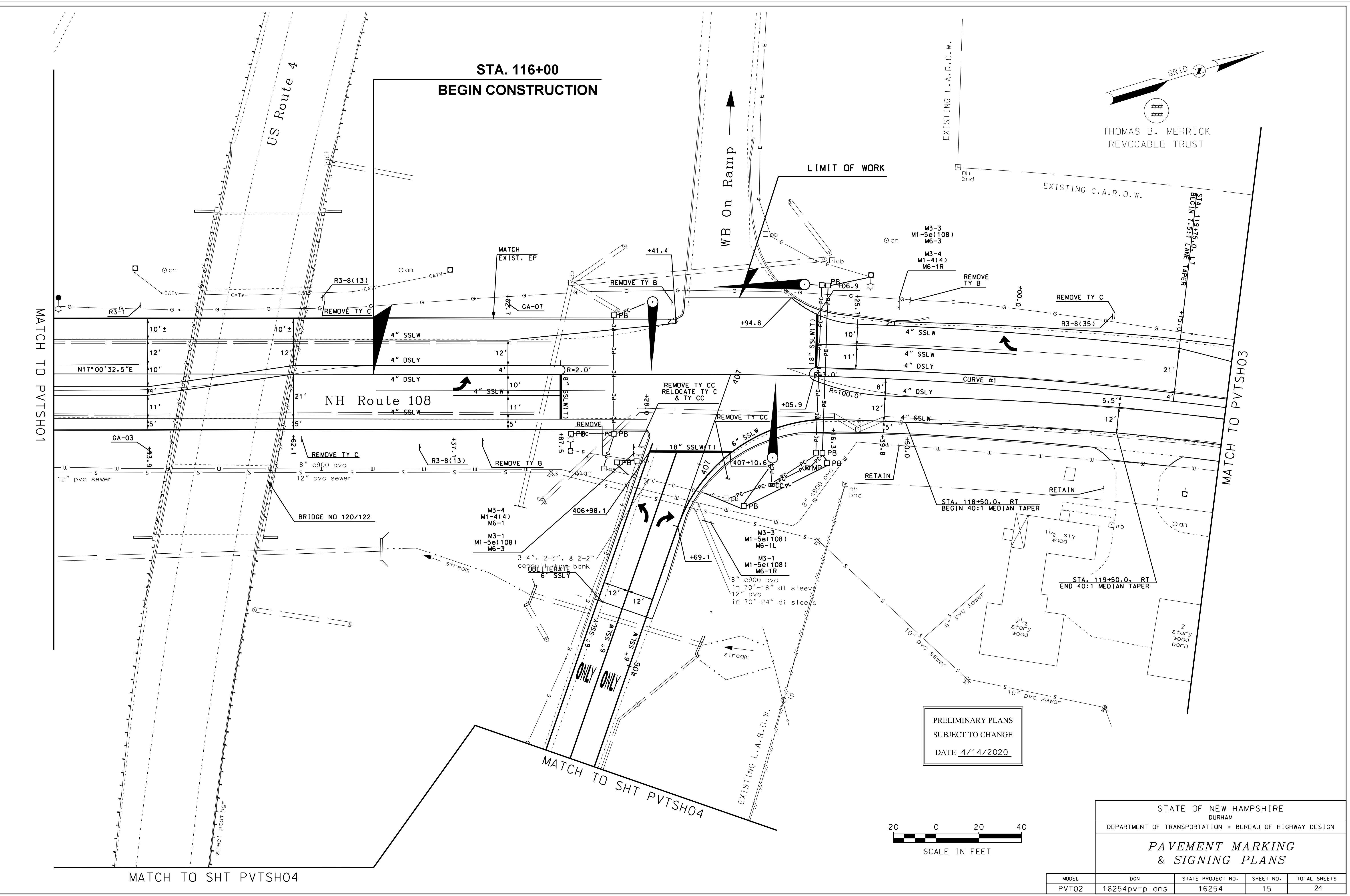
PRELIMINARY PLANS
 SUBJECT TO CHANGE
 DATE 4/14/2020



STATE OF NEW HAMPSHIRE DURHAM				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
PAVEMENT MARKING & SIGNING PLANS				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
PVT01	16254pvtplans	16254	14	24

MATCH TO PVTSH02

SDR PROCESSED	DATE	10/19
NEW DESIGN	CWW	DATE
SHEET CHECKED	JMA	DATE
AS BUILT DETAILS	DATE	



PRELIMINARY PLANS
SUBJECT TO CHANGE
DATE 4/14/2020



STATE OF NEW HAMPSHIRE DURHAM				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
PAVEMENT MARKING & SIGNING PLANS				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
PVT02	16254pvtplans	16254	15	24

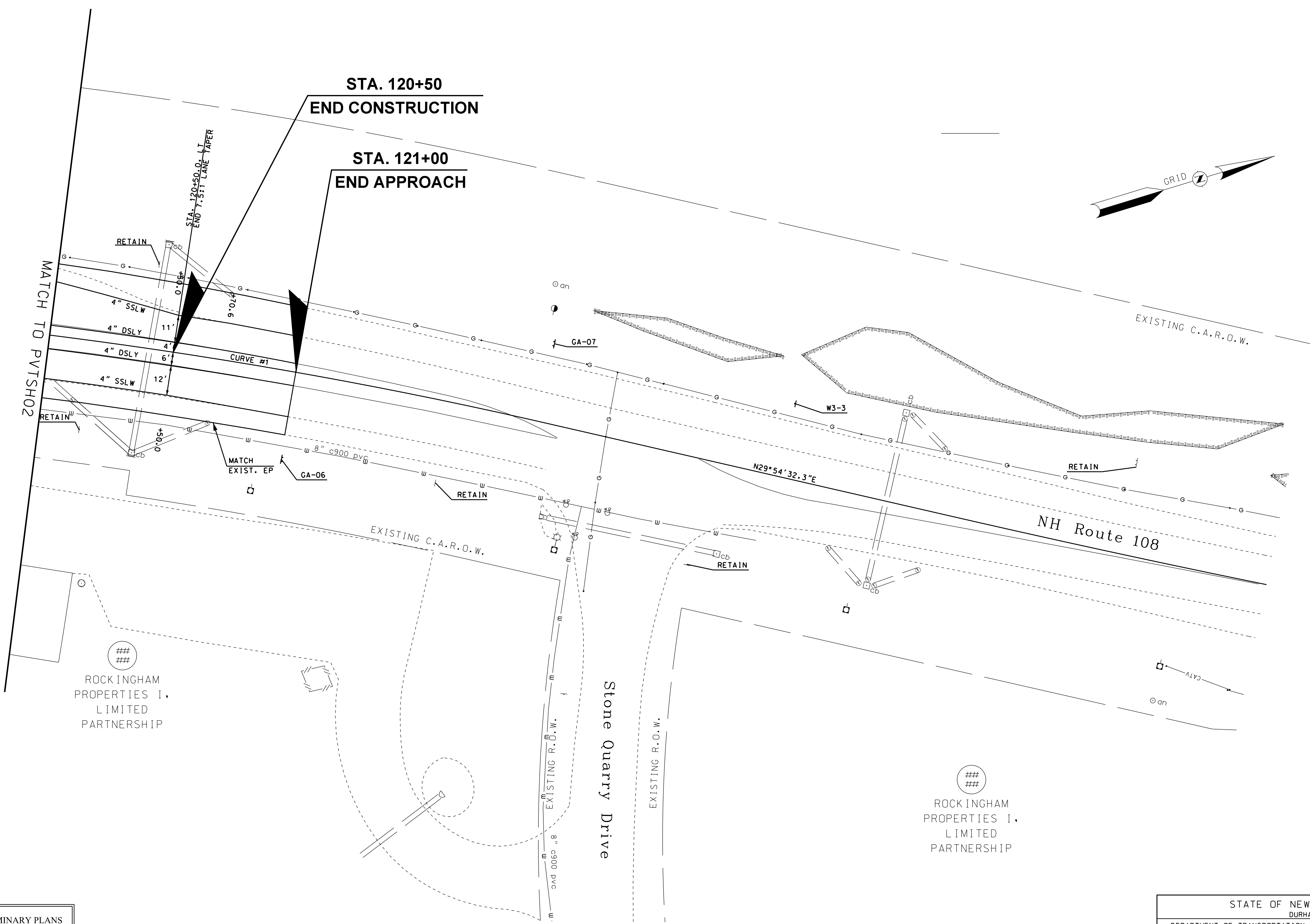
REVISIONS AFTER PROPOSAL	DESCRIPTION

STATION	

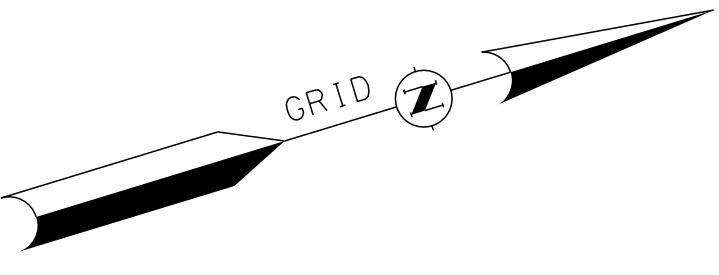
STATION	

DATE	

SDR PROCESSED	DATE	NEW DESIGN	CWM	DATE	10/19	STATION	
SHEET CHECKED	JMA	DATE	04/20	DATE		REVISIONS AFTER PROPOSAL	DESCRIPTION
AS BUILT DETAILS	DATE						



PRELIMINARY PLANS
SUBJECT TO CHANGE
DATE 4/14/2020

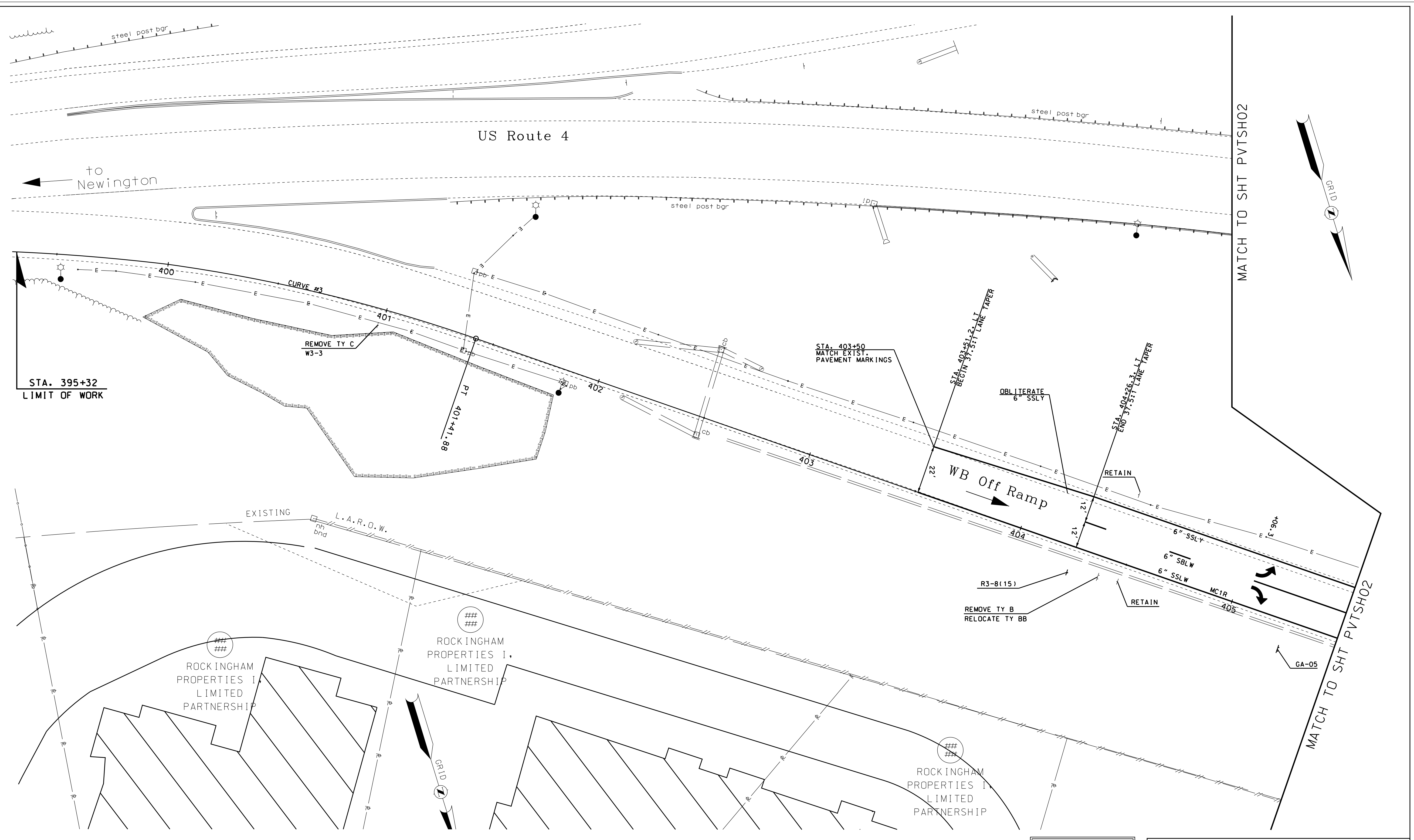


STATE OF NEW HAMPSHIRE
DURHAM
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

PAVEMENT MARKING
& SIGNING PLANS

MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
PVT03	16254pvtplans	16254	16	24

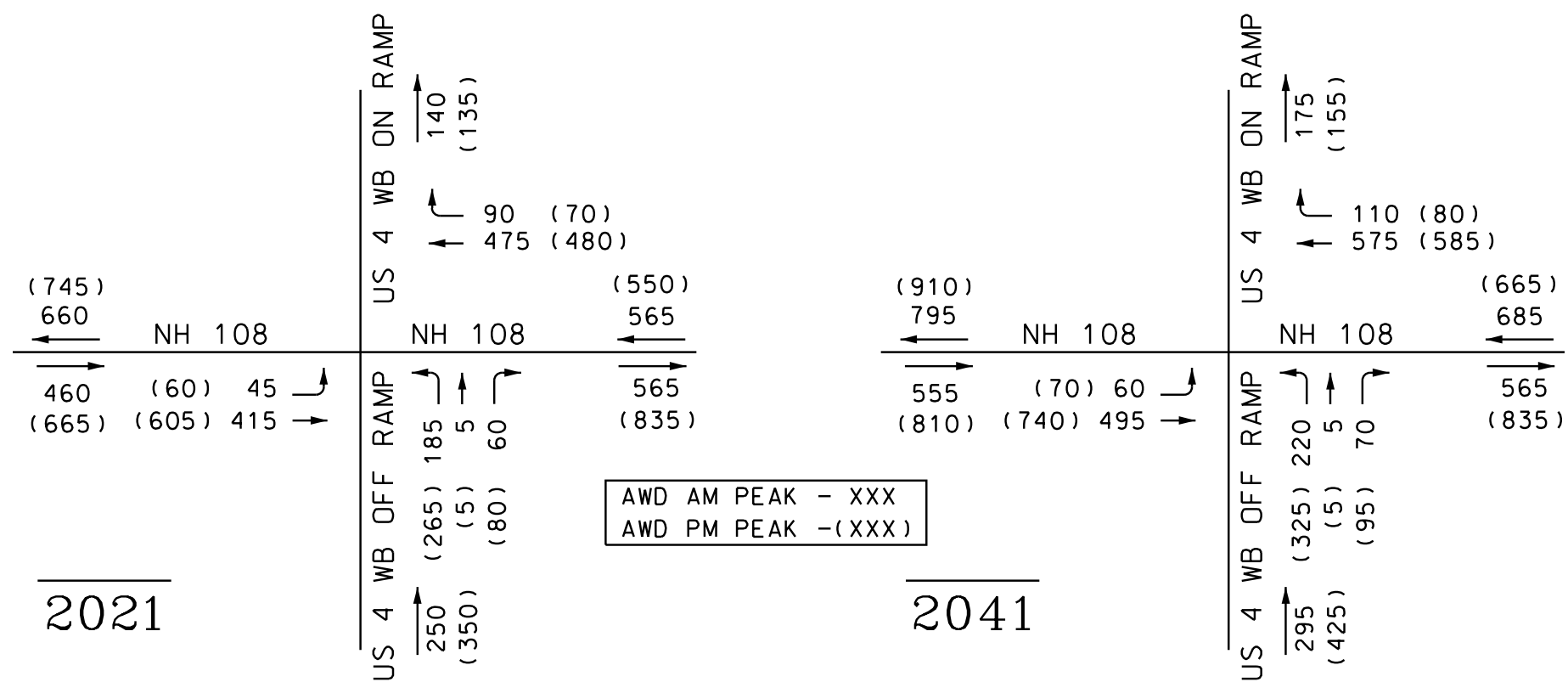
SDR PROCESSED		DATE	DATE	DATE	DATE
NEW DESIGN		CWW	04/20		
SHEET CHECKED		JMA	04/20		
AS BUILT DETAILS					
REVISIONS AFTER PROPOSAL	DESCRIPTION	STATION	STATION	DATE	NUMBER



PRELIMINARY PLANS
 SUBJECT TO CHANGE
 DATE 4/14/2020

STATE OF NEW HAMPSHIRE DURHAM				
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN				
PAVEMENT MARKING & SIGNING PLANS				
MODEL	DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
PVT04	16254pvtplans	16254	17	24

AM & PM PEAK TRAFFIC VOLUMES

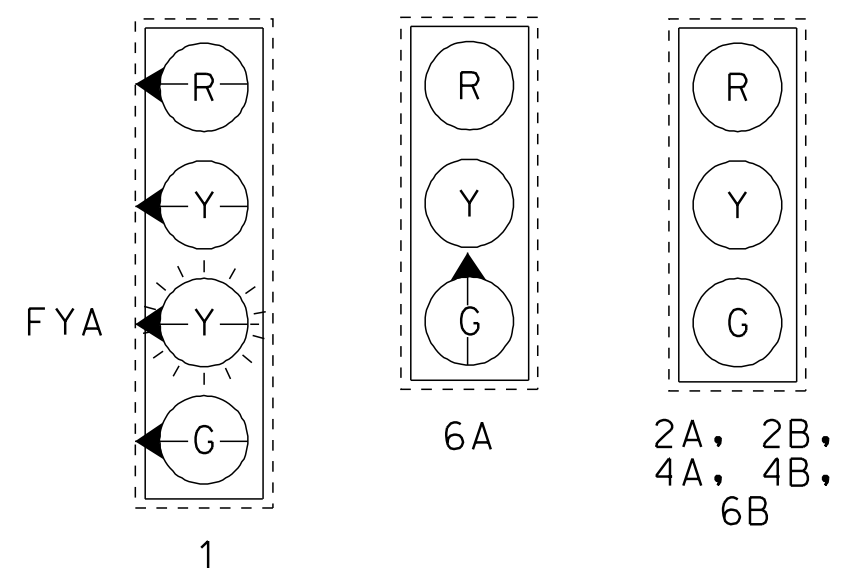


2021

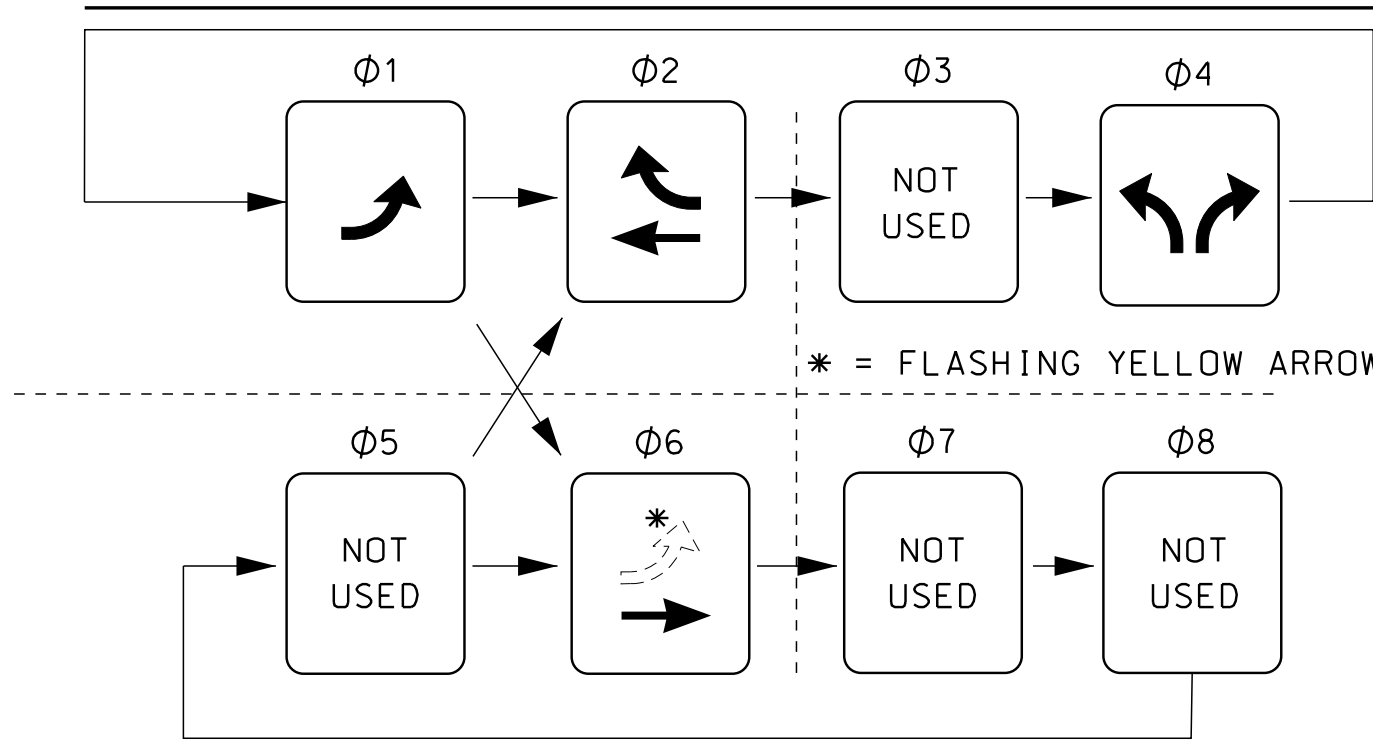
2041

SIGNAL HEADS

ALL LENSES 12" WITH 5" LOUVERED BACK PLATE AND FLUORESCENT YELLOW 2" STRIP



STANDARD Ø8 NEMA CONTROLLER



SIGNAL PHASING

	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø9
TIMING IN SECONDS	5	10	NOT USED	5	NOT USED	10	NOT USED	NOT USED	NOT USED
VEHICLE INTERVAL	3	3		3		3			
MAXIMUM I	10	35		20		55			
MAXIMUM II									
YELLOW	4	4		4		4			
ALL RED	4	4		4		4			
WALK/FLASH DON'T WALK									
RECALL	OFF	SOFT		OFF		SOFT			
DETECTOR	NL	NL		NL		NL			
FLASH	FR	FY		FR		FY			

* = FLASHING YELLOW ARROW (FYA)
 Ø2B AND Ø4B TO BE SET WITH A 5 SECOND DELAY
 FLASHING YELLOW ARROW SIGNAL INDICATION SHALL HAVE 15 SECOND DETECTION DELAY BEFORE INITIATING A CALL FOR AN EXCLUSIVE LEFT TURN PHASE (Ø1).
 CALL ON Ø4A ENABLES DETECTION ON Ø1B AND Ø6B. ALL OTHER TIMES, Ø1B AND Ø6B DETECTION IS OFF FOR Ø1B AND Ø6B.
 DETECTION ON Ø1B CALLS PHASE Ø1 WITHOUT DELAY.
 DETECTION ON Ø6B CALLS PHASE Ø6 WITHOUT DELAY.
 THE LEFT TURN RED CLEARANCE INTERVAL SHALL BE DISPLAYED PRIOR TO STARTING THE FLASHING YELLOW ARROW INDICATION.

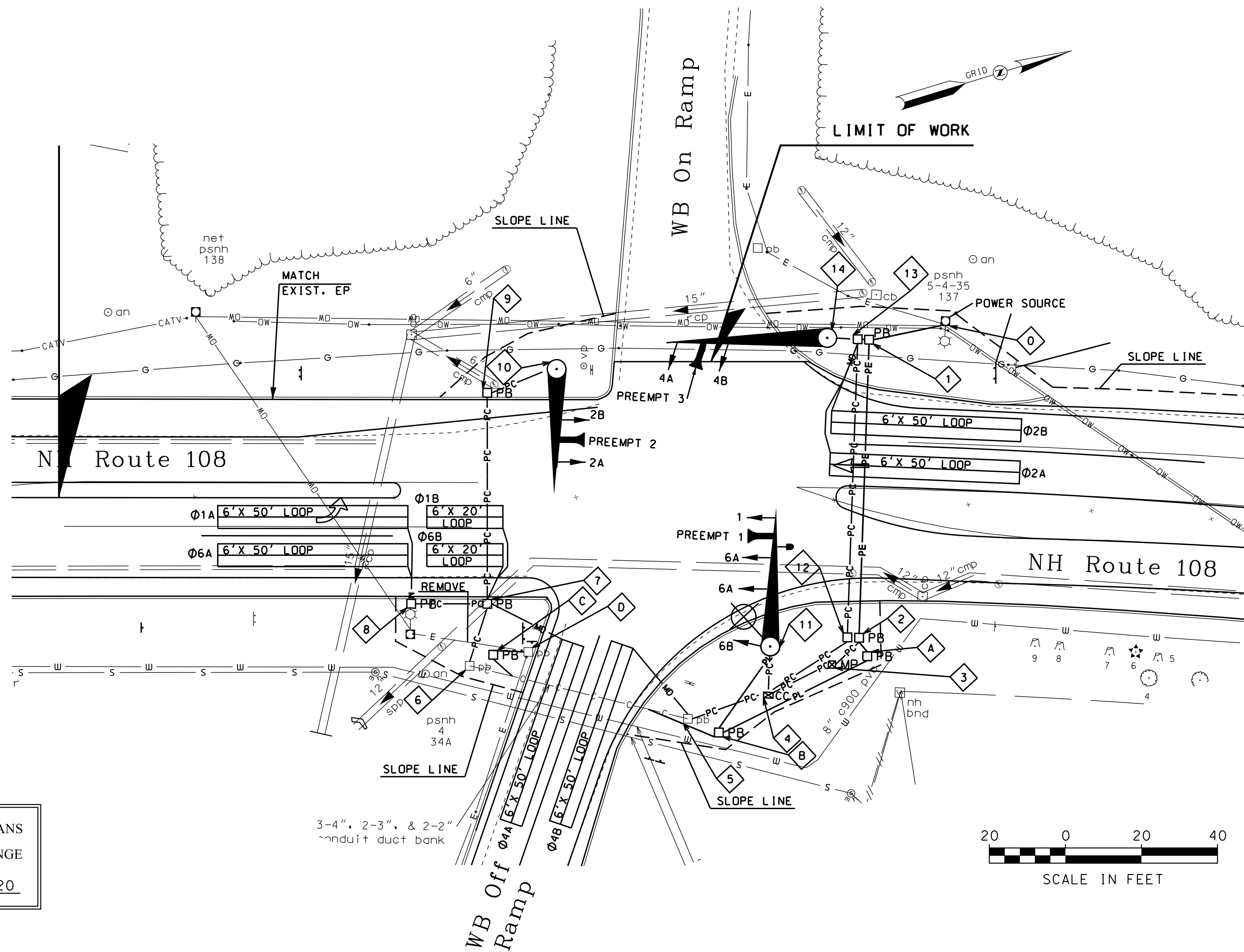
DETECTOR SCHEDULE

STREET	DIRECTION	LANE	Ø	DETECTOR		AMPLIFIER		INDUCT. U H	RESIST. OF LOOP	RESIST. TO GROUND (MEG OHMS)	RESIST. SHIELD TO GROUND (MEG OHMS)
				NO.	CHANNEL	NO.	CHANNEL				
DOVER RD (NH 108)	NB	LEFT	1A	1	1						
DOVER RD (NH 108)	NB	THRU	6A	1	2						
DOVER RD (NH 108)	NB	LEFT	1B	2	1						
DOVER RD (NH 108)	NB	THRU	6B	2	2						
DOVER RD (NH 108)	SB	THRU	2A	3	1						
DOVER RD (NH 108)	SB	THRU	2B	3	2						
US 4 WB OFF RAMP	WB	LEFT	4A	4	1						
US 4 WB OFF RAMP	WB	RIGHT	4B	4	2						

RECORD FIELD MEASUREMENTS ABOVE

GENERAL NOTES

- LOCATIONS OF MASTARMS & PULLBOXES ARE INTENDED TO ACCOMMODATE FUTURE INSTALLATION OF SIDEWALK. BACK OF SIDEWALK DISTURBANCE AREA IS ASSUMED AS 8 FEET FROM BACK OF CURB. NO CROSSWALK SHALL BE INSTALLED ACROSS US 4 WESTBOUND ON RAMP.
- PAVEMENT SAWING FOR LOOP DETECTORS, CONDUIT (WHEN REQUIRED), AND JACKING PITS (WHEN REQUIRED) SHALL BE SUBSIDIARY TO 616. ITEMS. REPLACEMENT OF PAVEMENT FOR CONDUIT TRENCHES AND JACKING PITS WILL BE PAID UNDER ITEM 403.12.
- MAST ARMS SHALL BE ORIENTED PERPENDICULAR TO ROADWAY ALIGNMENTS UNLESS OTHERWISE NOTED.
- PERMANENT LIGHTING SHALL CONSIST OF ONE (1) 250 WATT H.P.S., SEMI CUT-OFF, TYPE 3 OR APPROVED EQUAL MOUNTED ON A 12 FOOT BRACKET ARM AS NOTED BELOW:
 1) STA.117+86, RT. 37'
- DETECTOR LOOP WIRE SHALL BE BROUGHT BACK TO THE CABINET ON SEPARATE LEAD-IN CABLES.



PRELIMINARY PLANS
 SUBJECT TO CHANGE
 DATE 4/14/2020

FIRE PREEMPTION NOTES

- LOCATIONS OF EMERGENCY VEHICLE PREEMPTION DEVICES ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR, ENGINEER, AND THE TOWN OF DURHAM FIRE DEPARTMENT.
- PREEMPTION SIGNAL SHALL BE SERVED ON A FIRST COME FIRST SERVED BASIS.
- MINIMUM GREEN TIME: NORMAL VEHICLE CLEARANCE TIMES SHALL BE PROVIDED ON PHASES THAT ARE TO BE DETERMINED BY PREEMPTION DEMAND.

FIRE PREEMPTION

PREEMPT 1	CALLS Ø1 & Ø6
PREEMPT 2	CALLS Ø2
PREEMPT 3	CALLS Ø4

MAST ARM FOUNDATION TYPE	
REF. #	FOUNDATION TYPE
Ⓐ	35' MAST ARM W/ LIGHT TYPE 2 (3'-0" X 10'-0")
Ⓑ	30' MAST ARM TYPE 2 (3'-0" X 10'-0")
Ⓒ	40' MAST ARM TYPE 2 (3'-0" X 10'-0")

TEST BORINGS

B-1	X
B-2	X
B-311	X

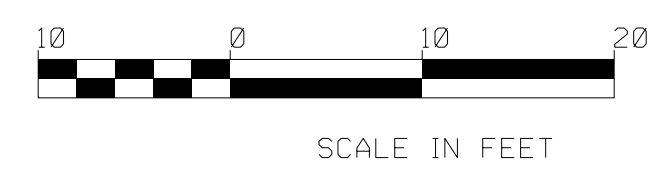
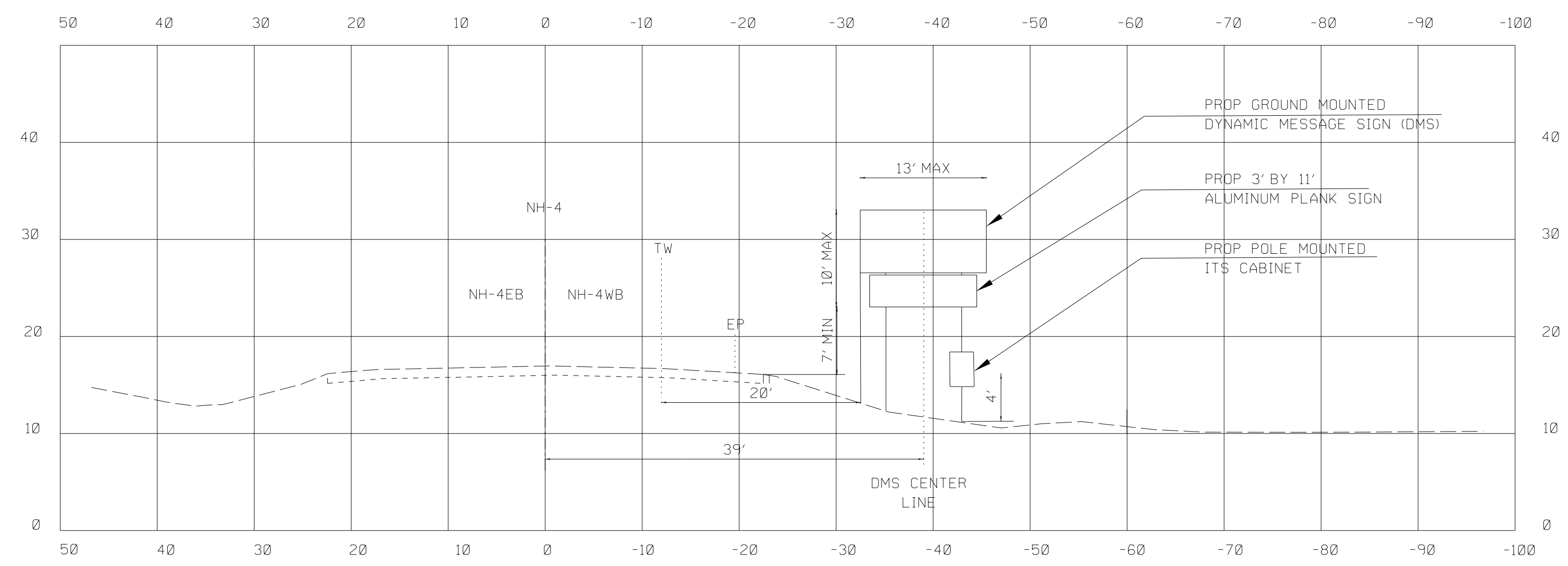
STATE OF NEW HAMPSHIRE
 DURHAM

DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN

SIGNALIZATION PLAN

DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
16254sigplans	16254	18	24

SDR PROCESSED	AECOM	DATE	03/20	REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NEW DESIGN	AECOM	DATE	03/20			
SHEET CHECKED	CC	DATE	03/20			
AS BUILT DETAILS		DATE				

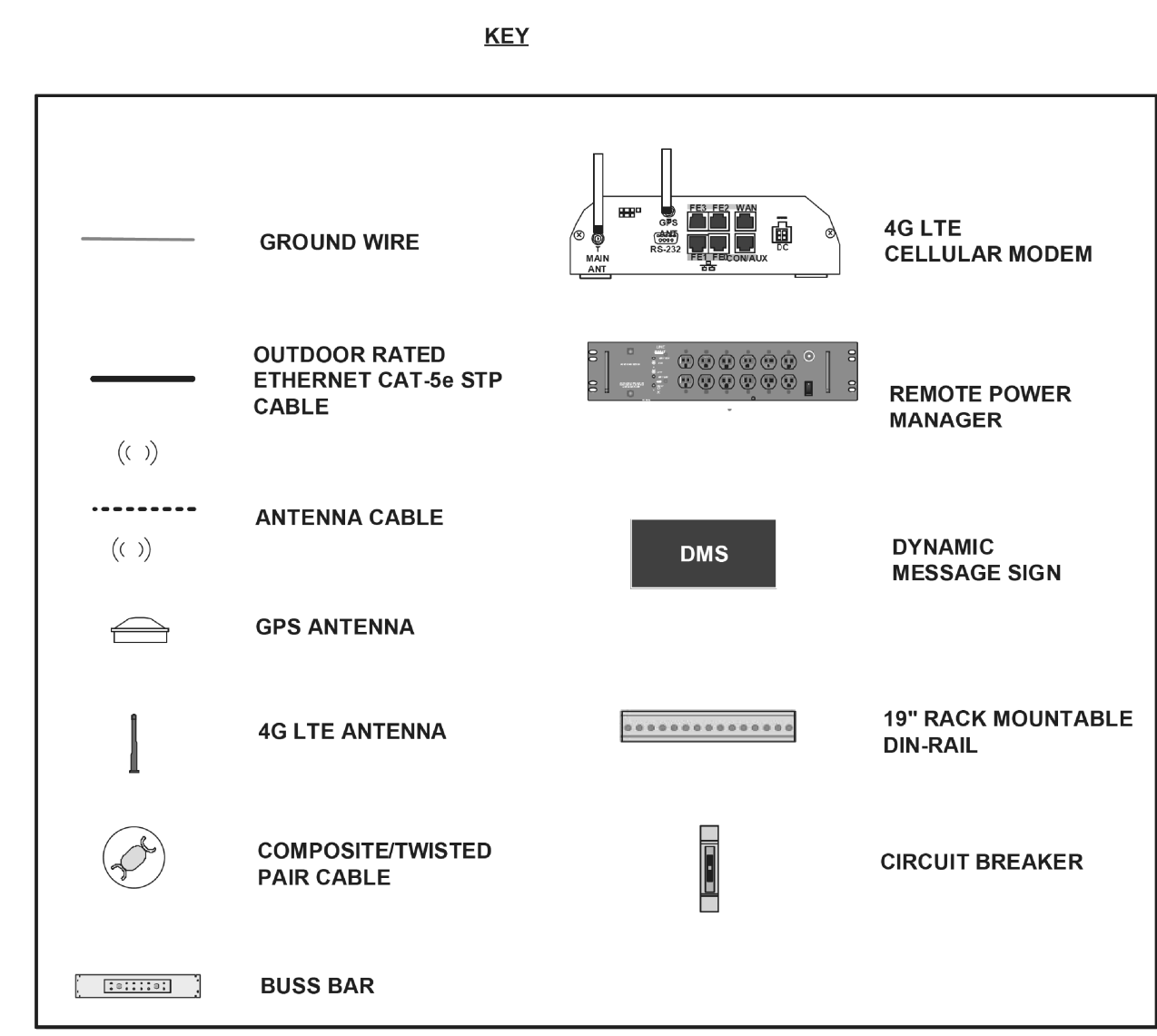


NOTE:
 1. THE EXISTING SECTION PROFILE IS APPROXIMATE, DETERMINED FROM A SITE VISIT. NO ENGINEERING SURVEY HAS BEEN CONDUCTED.

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
SECTION DETAIL			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
60596628_2	16254	20	24

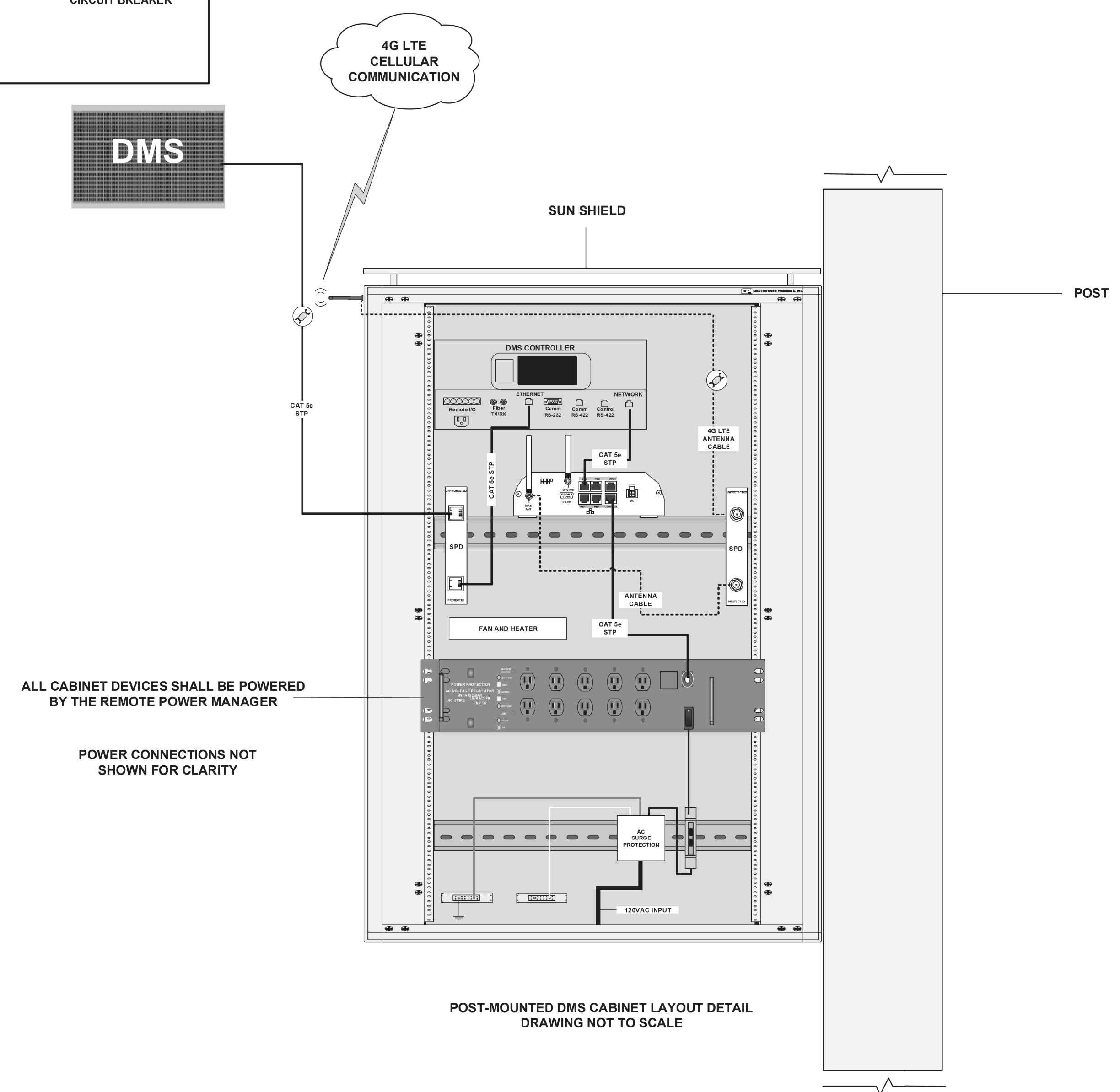
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NEW DESIGN	AECOM	DATE	03/20
SHEET CHECKED	CC	DATE	03/20
AS BUILT DETAILS		DATE	

REVISIONS AFTER PROPOSAL	DESCRIPTION
STATION	
STATION	
DATE	
NUMBER	



- NOTES:**
- ALL POWER AND DATA FEEDS TO INTERNAL COMPONENTS OF THE CABINET SHALL BE INSTALLED WITH PROPERLY RATED AND COMPATIBLE SURGE PROTECTION DEVICES (SPD).
 - NEMA 3R CABINETS SHALL BE SUPPLIED WITH A MAIN BREAKER AND REMOTE POWER MANAGER SYSTEM TO MAINTAIN AND MONITOR REGULATED OUTPUT VOLTAGE TO ALL DEVICES.

- LEGEND:**
- 4G LTE 4TH GENERATION LONG TERM EVOLUTION
 - CAT-5E CATEGORY 5 ENHANCED ETHERNET CABLE
 - COMM COMMUNICATIONS
 - DMS DYNAMIC MESSAGE SIGN
 - ETH ETHERNET
 - ITS INTELLIGENT TRANSPORTATION SYSTEM
 - POE POWER OVER ETHERNET
 - RPM REMOTE POWER MANAGER
 - SPD SURE PROTECTION DEVICE



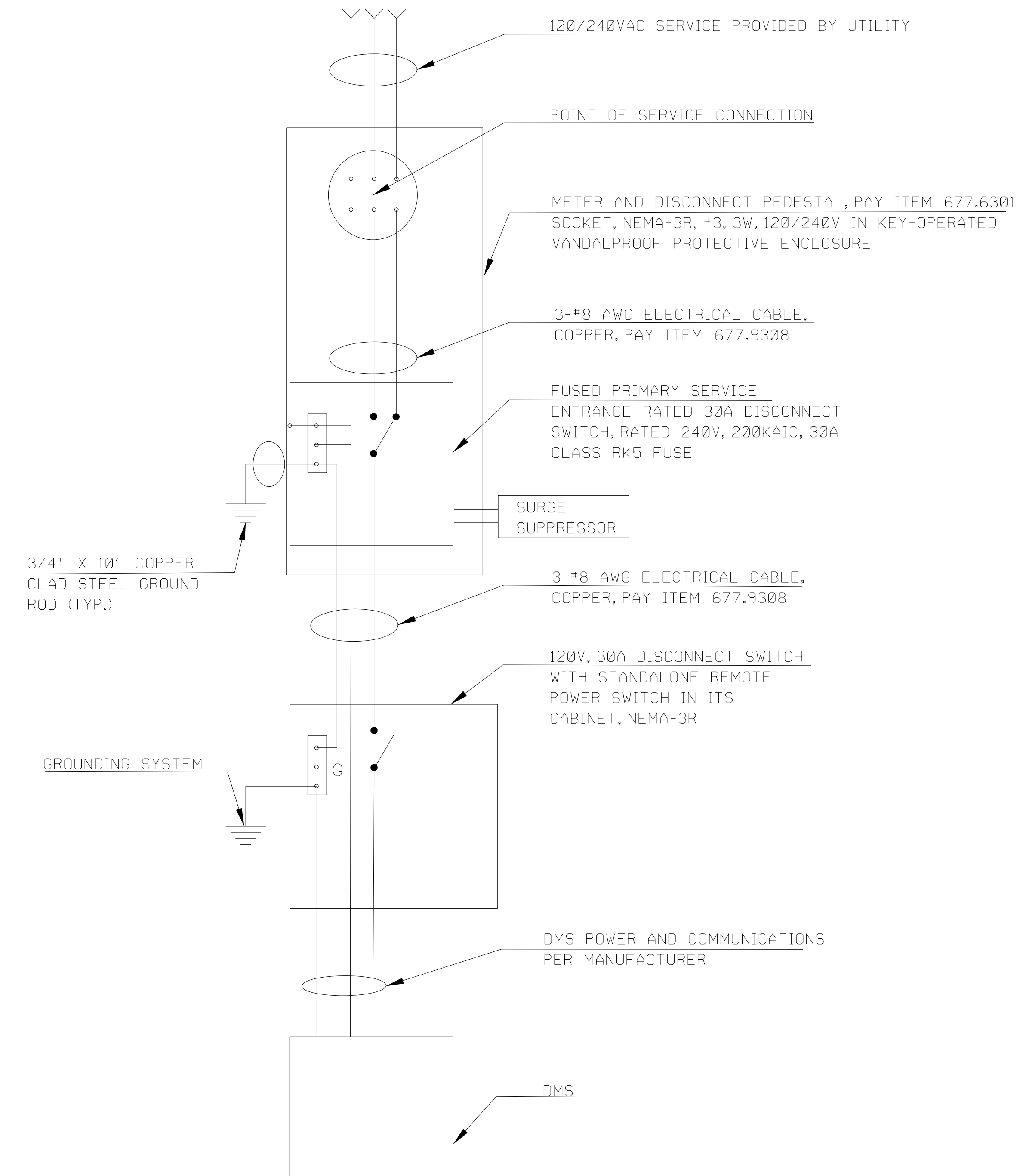
**POST-MOUNTED DMS CABINET LAYOUT DETAIL
DRAWING NOT TO SCALE**

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
COMMUNICATION SCHEMATIC			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
60596628_4	16254	22	24

LEGEND



SDR PROCESSED	AECOM	DATE	03/20	REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION
NEW DESIGN	AECOM	DATE	03/20			
SHEET CHECKED	CC	DATE	03/20			
AS BUILT DETAILS		DATE				



DMS ELECTRIC SERVICE SCHEMATIC

DRAWING NOT TO SCALE

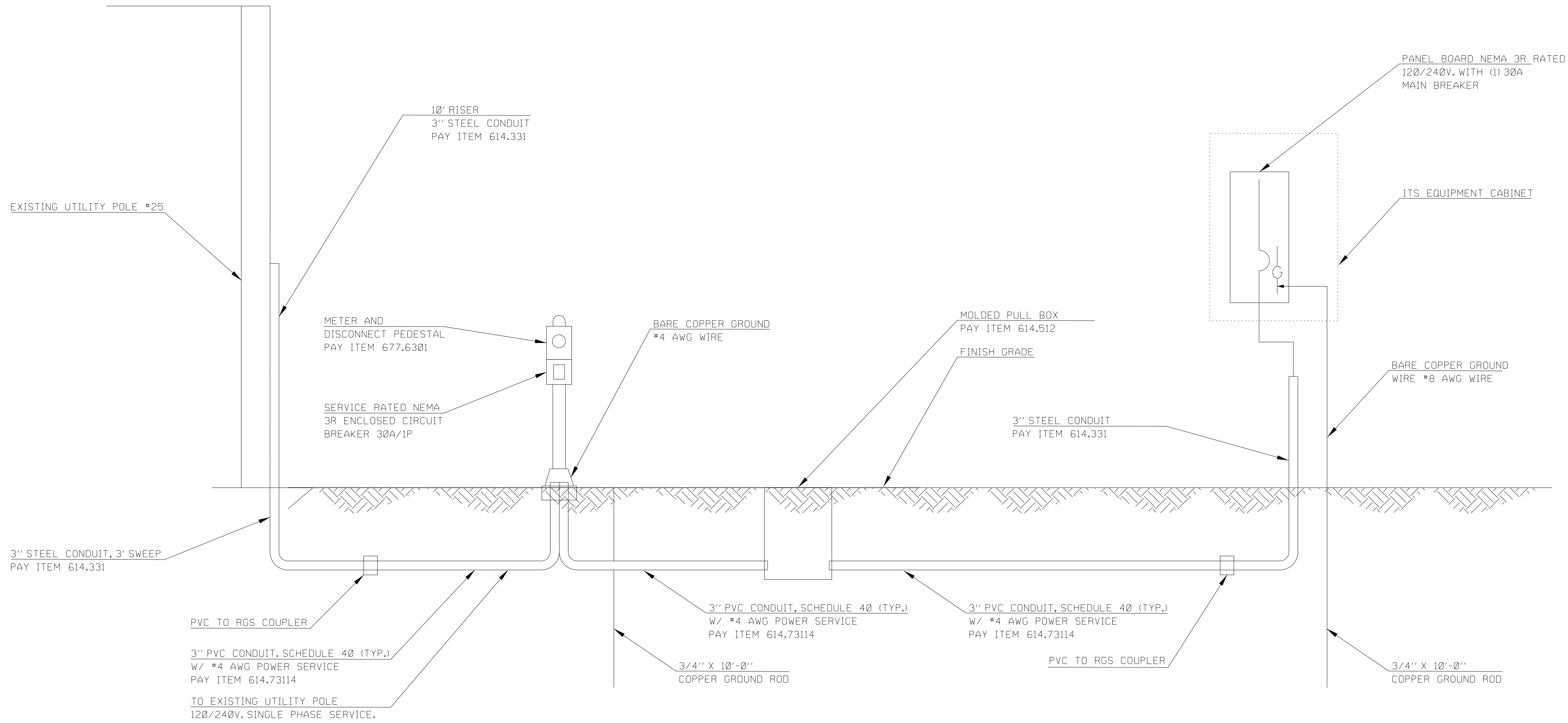
DMS NOTES:

- UNLESS OTHERWISE NOTED, ITEMS PAID FOR UNDER 677.1201
- WIRE SIZE TO BE DETERMINED BY CONTRACTOR PER MANUFACTURERS RECOMMENDATION.

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
<i>ELECTRIC SCHEMATIC DETAIL</i>			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
60596628_5	16254	23	24

SDR PROCESSED		AECOM	DATE	03/20
NEW DESIGN		AECOM	DATE	03/20
SHEET CHECKED		CC	DATE	03/20
AS BUILT DETAILS			DATE	

REVISIONS AFTER PROPOSAL	STATION	DESCRIPTION



ONE-LINE DIAGRAM
DRAWING NOT TO SCALE

- NOTES:
- UNLESS OTHERWISE NOTED, ITEMS PAID FOR UNDER ITEM 677.4201

STATE OF NEW HAMPSHIRE			
DEPARTMENT OF TRANSPORTATION • BUREAU OF HIGHWAY DESIGN			
UTILITY SERVICE DETAIL			
DGN	STATE PROJECT NO.	SHEET NO.	TOTAL SHEETS
60596628_6	16254	24	24