STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

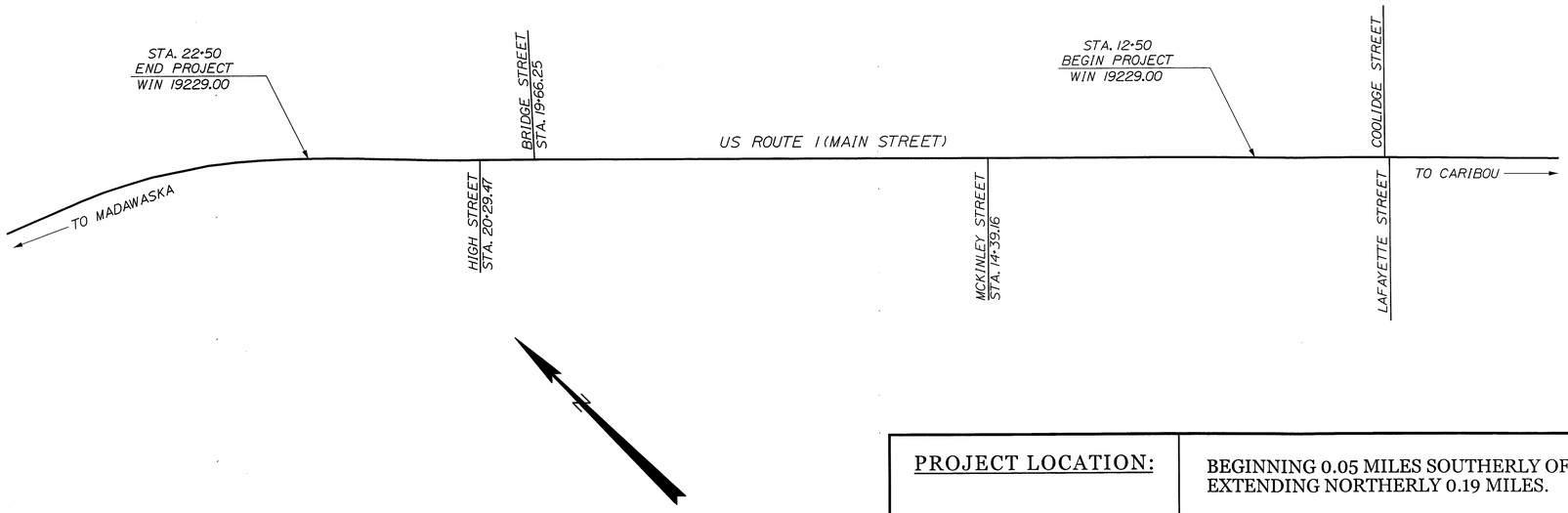
PLAN LEGEND

Town, County, State
Property Lines
R/W Lines-Existing
R/W Lines-Proposed
Culvert-Existing
Culvert Proposed
Curbing — Existing — Proposed
Type 1
Type 3
Type 5
Outline of Bodies of Water
Ledge
Buildings
Trees — Conifer — Deciduous
Tree Line
Clearing Limit Line — CLL
Centerline-Existing
Centerline-Proposed — 10+00
Travelway-Existing
Travelway-Proposed
Railroad
Catch Basins — Existing — Proposed
Manholes — Existing — Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch
Utility Poles — Existing — Proposed
Fire Hydrants — Existing — Proposed
Existing Water Line
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other

VAN BUREN
AROOSTOOK COUNTY
US ROUTE 1
STATE PROJECT NO. 19229.00
PROJECT LENGTH : 0.189 MILES

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2
Lighting Plan	3
Hydro-Bell Detail	4
Detectable Warning Detail	5
Estimated Quantities	6
Drainage Sheet	7
General Notes	8
Plans	9-10
Cross - Sections	11-18



TRAFFIC DATA

Current (2012) AADT 6365
Design Speed (mph) 25
Functional Class: ..... OTHER PRINC ARTERIAL

PROJECT LOCATION:	BEGINNING 0.05 MILES SOUTHERLY OF MCKINLEY STREET EXTENDING NORTHERLY 0.19 MILES.
PROGRAM AREA:	CRITICAL INFRASTRUCTURE PROGRAM REGION 5
SCOPE OF WORK:	OTHER HIGHWAY MAINTENANCE/DRAINAGE IMPROVEMENT

WIN 19229.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED
COMMISSIONER: — DATE 6/13/13
CHIEF ENGINEER — DATE 6/13/13

SIGNATURE — DATE 6/6/13
P.E. NUMBER 8640
Brent Bubar
DATE 6/6/13

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	JON BITHER
DESIGNER	
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

VAN BUREN
US ROUTE 1
TITLE SHEET

SHEET NUMBER
1
OF 18

Filename: ...\MSTA\001_Title_019229.dgn Division: HIGHWAY Username: ernest.martin Date:6/7/2013

STORM DRAIN PROJECT
STATION 12+50 TO 22+50

NOTE:

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.

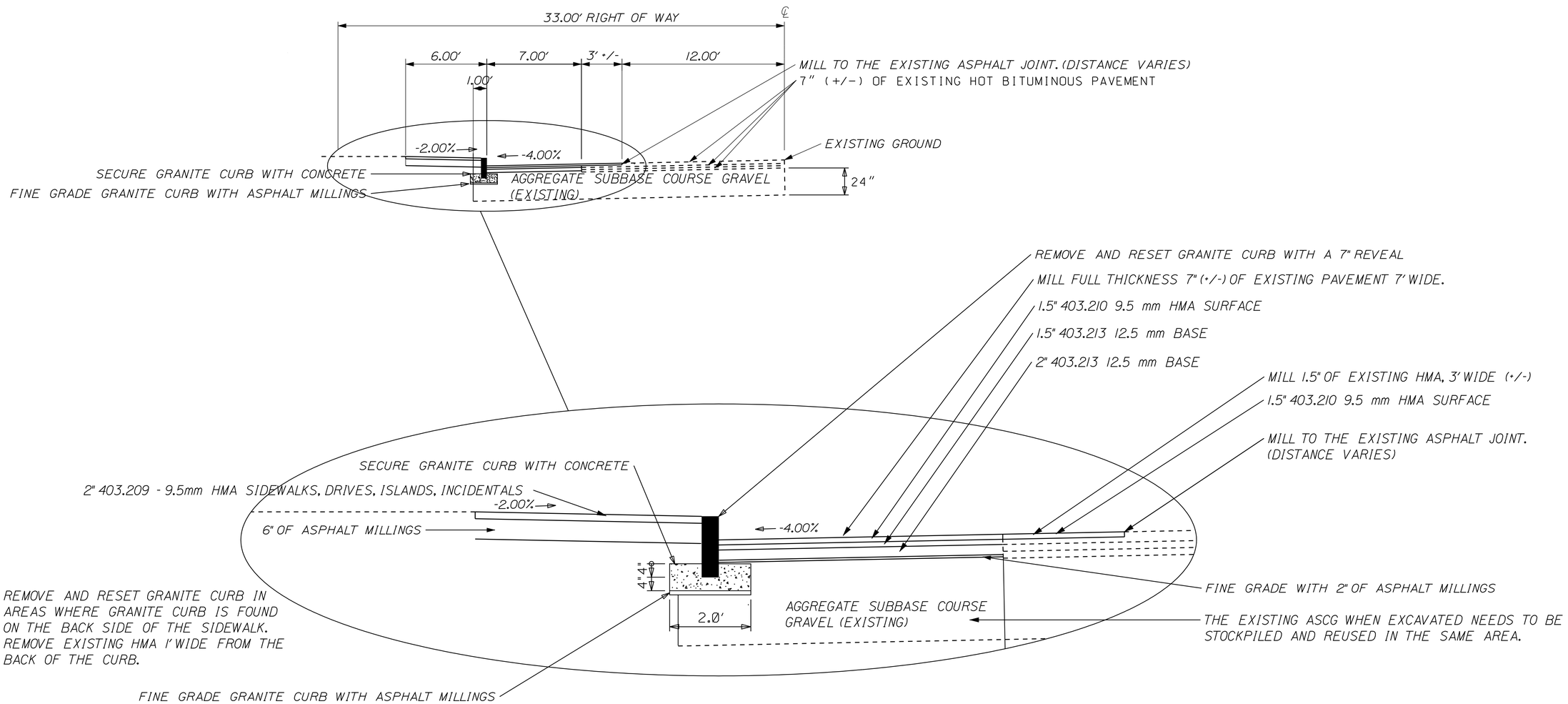
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.

3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.

4. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

5. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.

NORMAL



NOTE: ALL THE MILLING AND EXCAVATION DONE ON THIS PROJECT IS PAID UNDER ITEM 603.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 19229.00

HIGHWAY PLANS

PROJ. MANAGER	JON BITHER	BY	DATE
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

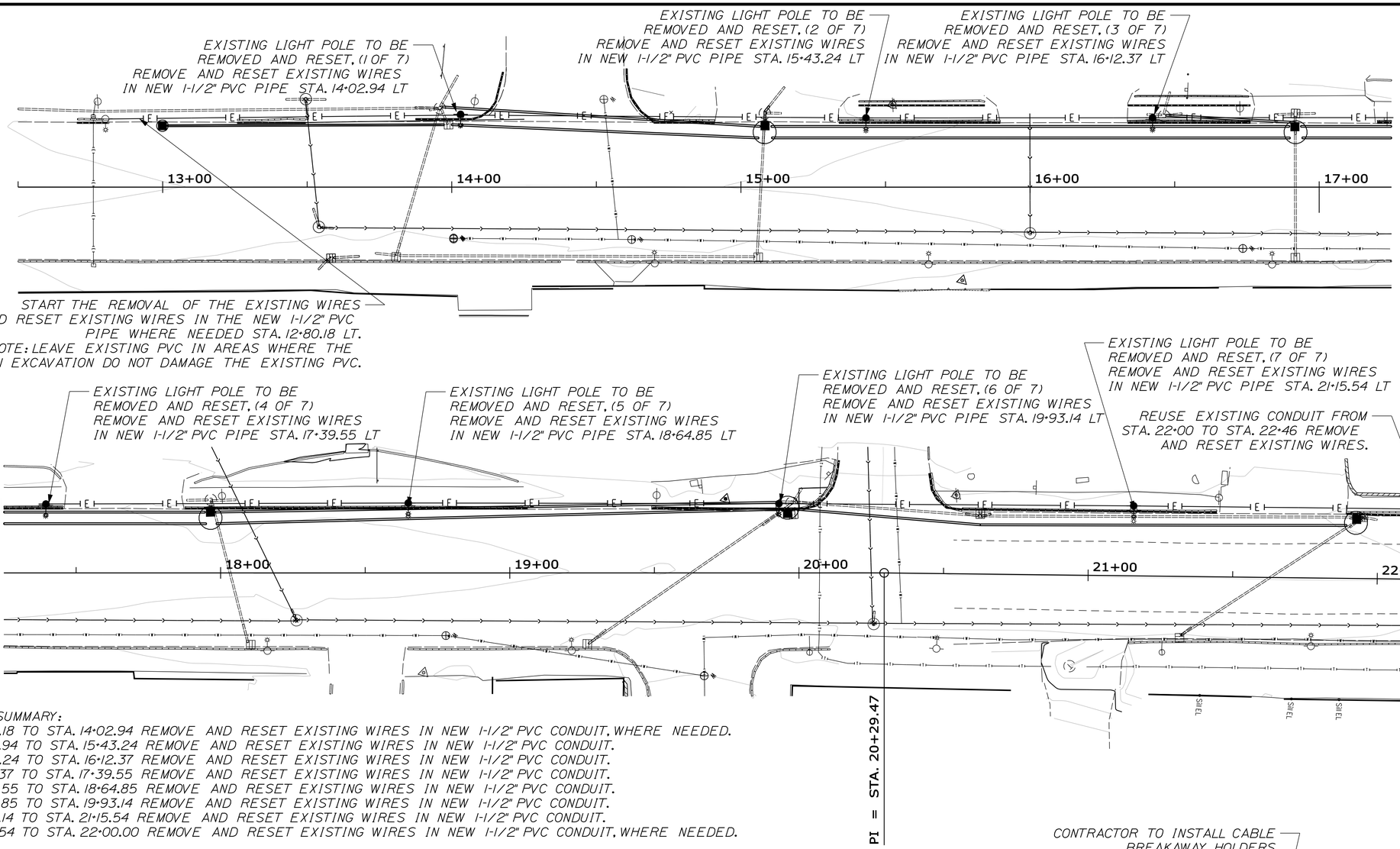
DATE

VAN BUREN
US ROUTE 1

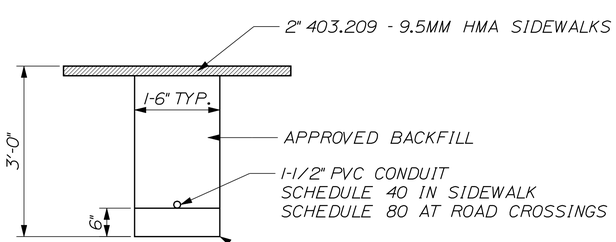
TYPICAL SECTIONS

SHEET NUMBER
2
OF 18

Filename: ...\msta\002_Typical_019229.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013



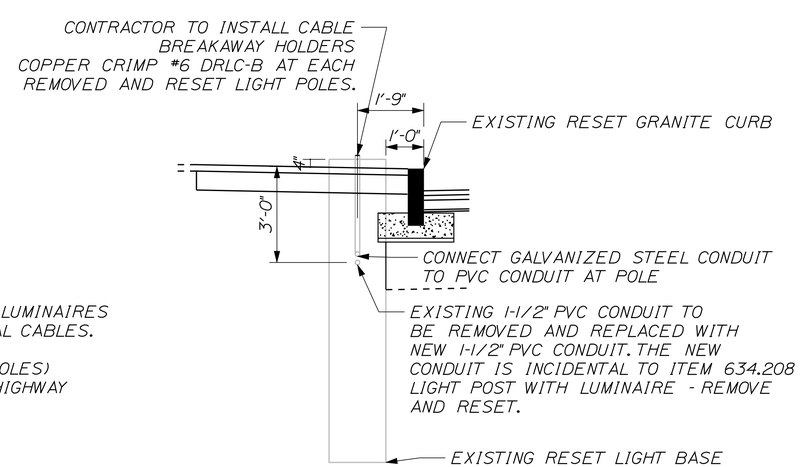
CONDUIT SUMMARY:
STA. 12+80.18 TO STA. 14+02.94 REMOVE AND RESET EXISTING WIRES IN NEW 1-1/2" PVC CONDUIT, WHERE NEEDED.
STA. 14+02.94 TO STA. 15+43.24 REMOVE AND RESET EXISTING WIRES IN NEW 1-1/2" PVC CONDUIT.
STA. 15+43.24 TO STA. 16+12.37 REMOVE AND RESET EXISTING WIRES IN NEW 1-1/2" PVC CONDUIT.
STA. 16+12.37 TO STA. 17+39.55 REMOVE AND RESET EXISTING WIRES IN NEW 1-1/2" PVC CONDUIT.
STA. 17+39.55 TO STA. 18+64.85 REMOVE AND RESET EXISTING WIRES IN NEW 1-1/2" PVC CONDUIT.
STA. 18+64.85 TO STA. 19+93.14 REMOVE AND RESET EXISTING WIRES IN NEW 1-1/2" PVC CONDUIT.
STA. 19+93.14 TO STA. 21+15.54 REMOVE AND RESET EXISTING WIRES IN NEW 1-1/2" PVC CONDUIT.
STA. 21+15.54 TO STA. 22+00.00 REMOVE AND RESET EXISTING WIRES IN NEW 1-1/2" PVC CONDUIT, WHERE NEEDED.



NOTE:
1., CONDUIT RUNS SHALL BE LOCATED TO AVOID CONFLICTS WITH EXISTING FACILITIES.
2., RESET, PREVIOUSLY REMOVED WIRE IN THE NEW 1-1/2" PVC PIPE.
3.- LIGHTING (240 VOLTS)= 2 WIRES #4 AWG
-RECEPTICLE (129 VOLTS)= 3 WIRES #2 AWG TYPE OF WIRE THHN
-IN THE LIGHTS IT IS A #12 WIRE.
NOTE: IT IS THE RESPONSABILITY OF THE CONTRACTOR TO VERIFY THE WIRE INFORMATION.

CONDUIT TRENCH

GENERAL NOTES: HIGHWAY LIGHTING
1.) SCOPE OF WORK - REINSTALL HIGHWAY LIGHTING AS SHOWN ON PLAN. INSTALL CONDUIT, WIRING, AND POLE FOUNDATION WITH LIGHT POLE.
2.) ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO APPLICABLE PROVISIONS OF THE MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS, NATIONAL ELECTRIC CODE AND ANY REQUIREMENTS OF THE POWER COMPANY.
3.) THE CONTRACTOR SHALL FIELD VERIFY POLE LOCATIONS TO AVOID NATURAL AND BUILT SITE FEATURES THAT WOULD CONFLICT WITH PROPER INSTALLATION OF POLE FOUNDATIONS.
4.) THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO ENSURE AWARENESS OF THE SITE CONDITIONS THAT COULD EFFECT THE BID.
5.) PAYMENT UNDER ITEM 634.208 REMOVE AND RESET LIGHT STANDARD W/ LUMINAIRES INCLUDES THE REMOVE AND RESET OF THE FOOTING, LIGHTS AND ELECTRICAL CABLES. ALSO INCLUDE ALL MATERIALS (PVC PIPE AND CABLE BREAKAWAY HOLDERS COPPER CRIMP #6 DRLC-B AT EACH REMOVED AND RESET LIGHT POLES) AND LABOR AND EQUIPMENT NECESSARY TO PROVIDE A FULLY FUNCTIONING HIGHWAY LIGHTING SYSTEM.
6.) REMOVE AND RESET EXISTING WIRES BETWEEN LIGHT POLES.
7.) THERE SHALL BE NO SPLICES OR JUNCTION BOXES BETWEEN POLES THE WIRE IN CONDUITS SHALL BE CONTINUOUS BETWEEN POLES.



TYPICAL POLE BASE RE-INSTALLATION

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 19229.00

HIGHWAY PLANS

PROJ. MANAGER	JON BITHER	BY	DATE
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

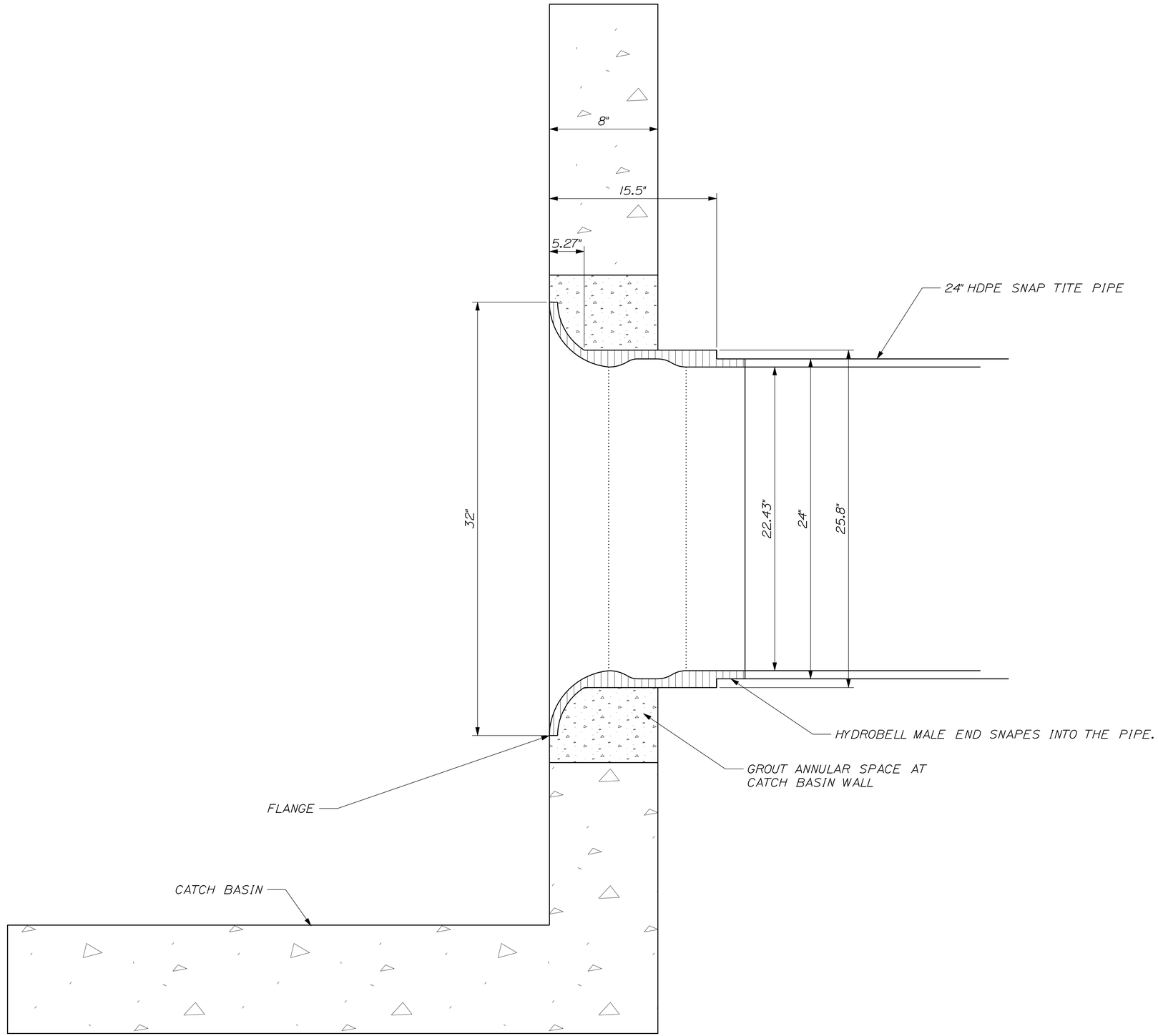
DATE

VAN BUREN
US ROUTE 1

LIGHTING PLAN

SHEET NUMBER
3
OF 18

Filename: ...\msta\003_light plan_019229.dgn Division: HIGHWAY Username: Marline.Burnham Date:6/13/2013



CB #8 STATION 17+96.04
HYDROBELL ON THE INLET

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN
19229.00

HIGHWAY PLANS

PROJ. MANAGER	JON BITHER	BY	DATE
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

VAN BUREN
US ROUTE 1

HYDRO-BELL DETAIL

SHEET NUMBER

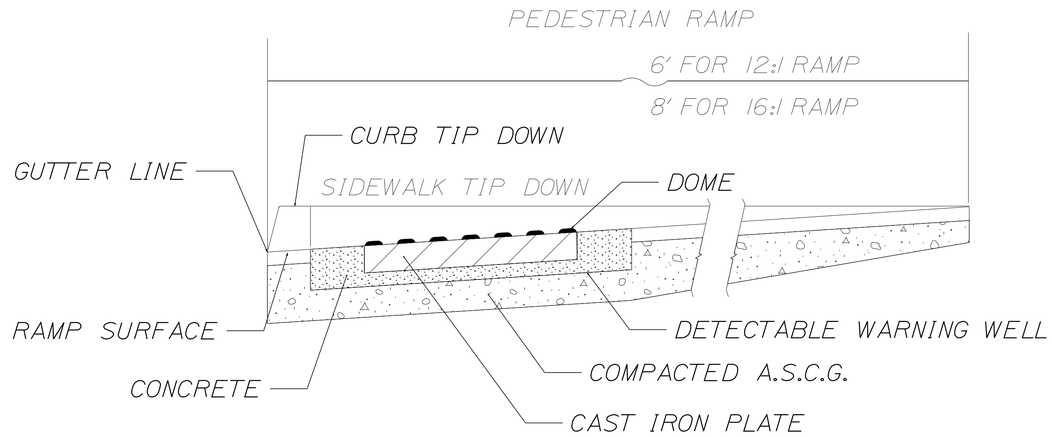
4

OF 18

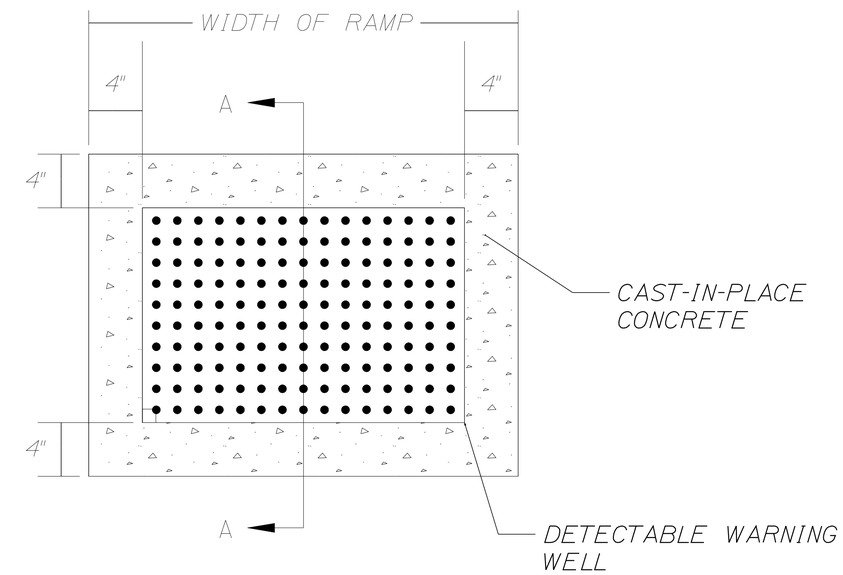
Filename: ...\004_HydroBellDetail_019229.dgn Division: HIGHWAY Username: Marline.Burnham Date:6/13/2013

VIEWS AND DETAILS OF THE DETECTABLE WARNING

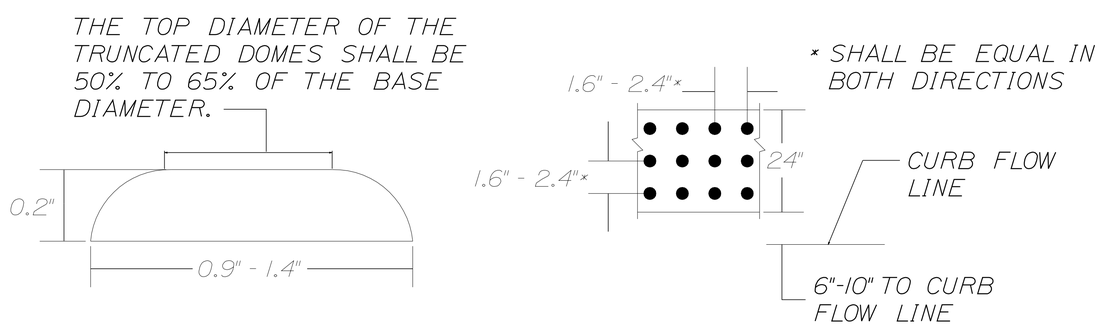
(NOT TO SCALE)



SIDE SECTION VIEW OF
DETECTABLE WARNING, WELL, CURB AND GUTTER



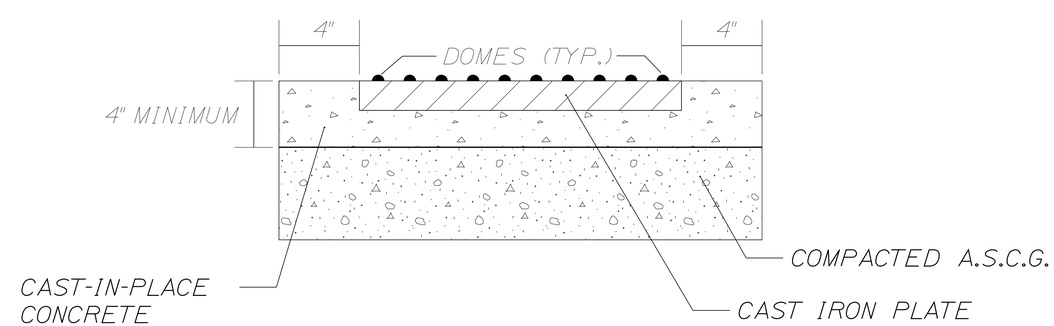
PLAN VIEW OF
DETECTABLE WARNING AND WELL



ELEVATION VIEW

PLAN VIEW

DOME AND DETECTABLE WARNING DETAILS



SECTION A-A

NOTE: ALL DETECTABLE WARNING AREAS SHALL START 6-10" FROM THE FLOW LINE OF THE CURB, BE 24" IN DEPTH, AND COVER THE COMPLETE WIDTH OF THE RAMP AREA ONLY.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN. 019229.00

WIN 19229.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	JON BITHER		
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

VAN BUREN
US ROUTE 1

DETECTABLE WARNING PLAN

SHEET NUMBER

5

OF 18

Filename: ...\005_Detectable Warning Plan-019229.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013

Filename: ...\msta\006_Estimate_019229.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.2312	HEALTH AND SAFETY PLAN (HASP)	1	LS
203.2333	DISPOSAL/TREATMENT OF SPECIAL EXCAVATION	50	TON
206.061	STRUCT. EARTH EXC. - DRAINAGE & MINOR STRUCT., BELOW GRADE	20	CY
206.07	STRUCTURAL ROCK EXC. - DRAINAGE AND MINOR STRUCTURES	20	CY
304.13	DENSE GRADED CRUSHED AGGREGATE SUBBASE	50	CY
403.210	HOT MIX ASPHALT 9.5 MM HMA SURFACE	100	T
403.209	HOT MIX ASPHALT 9.5 MM HMA (SIDEWALKS, DRIVES, INCIDENTALS)	60	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	160	T
409.15	BITUMINOUS TACK COAT - APPLIED	50	G
603.199	24 INCH CULVERT PIPE OPTION III (SNAP TITE PIPE)	389	LF
603.32	28" SPAN, 20" RISE PIPE ARCH OPTION III	1042	LF
603.84	CULVERT INLET DEVICE	1	EA
604.072	CATCH BASIN TYPE A1-C	3	EA
604.573	CATCH BASIN TYPE A1-C 96 INCH DIAMETER	5	EA
608.26	CURB RAMP DETECTABLE WARNING FIELD (CAST IRON)	48	SF
609.38	RESET CURB TYPE 1	710	LF
615.07	LOAM	10	CY
618.1301	SEEDING METHOD NUMBER 1- PLAN QUANTITY	1	UN
619.1201	MULCH - PLAN QUANTITY	1	UN
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	400	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	510	SF
627.76	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	1	LS
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.10	AIR COMPRESSOR (INCLUDING OPERATOR)	10	HR
631.11	AIR TOOL (INCLUDING OPERATOR)	10	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.132	SMALL BULLDOZER (INCLUDING OPERATOR)	10	HR
631.14	GRADER (INCLUDING OPERATOR)	10	HR
631.15	ROLLER, EARTH AND BASE COURSE (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
631.212	SMALL PAVEMENT GRINDER (INCLUDING OPERATOR)	10	HR
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	10	HR
634.208	REMOVE AND RESET LIGHT STANDARD W/LUMINAIRES	7	EA
652.33	DRUM	11	EA
652.34	CONE	40	EA
652.35	CONSTRUCTION SIGNS	420	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	60	CD
652.38	FLAGGER	1710	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 19229.00

HIGHWAY PLANS

PROJ. MANAGER	JON BITHER	BY	DATE
DESIGN-DETAILED			
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DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

VAN BUREN
US ROUTE 1

ESTIMATED QUANTITIES

SHEET NUMBER

6

OF 18

STATION	CULVERT PIPE											CATCH BASIN					PIPE ARCH			MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			CMP		OPTION I		OPTION III													TYPE B		TYPE C					
								SMOOTHLINED		CORRUGATED										GAGE OR WALL THICKNESS	TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C		E	F	SPAN	RISE	LENGTH		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
CATCH BASINS																												
CB#3B STA. 13+00. 20' LT. BASIN DIA. = 4'												1																OFFSET TOP
CB#4A STA. 14+15.78. 26' LT. BASIN DIA = 4'												1																OFFSET TOP
CB#4B STA. 14+64.30. 24' LT. BASIN DIA. = 4'												1																OFFSET TOP
CB#5 STA. 15+08.20. 19' LT. BASIN DIA. = 8'												1																OFFSET TOP
CB#7 STA. 16+91.66. 19' LT. BASIN DIA. = 8'												1																OFFSET TOP
CB#8 STA. 17+96.04. 19' LT. BASIN DIA. = 8'												1																OFFSET TOP
CB#9 STA. 19+96.04. 23' LT. BASIN DIA.= 8'												1																OFFSET TOP
CB#11 STA. 21+92.43. 19' LT. BASIN DIA. = 8'												1																OFFSET TOP
OPT. III PIPE																												
STA. 13+01.75. 21' LT TO 13+94.14. 21' LT																	28"	20"	92.4									
STA. 13+97.63. 27' LT TO STA. 14+14.03. 26' LT																	28"	20"	16.4									
STA. 14+00.61. 21' LT TO STA. 15+04.45. 21' LT																	28"	20"	103.84									
STA. 14+17.53. 26' LT TO STA. 14+62.55. 24' LT																	28"	20"	45.02									
STA. 14+66.05 24' LT TO STA. 15+04.45. 21' LT																	28"	20"	38.4									
STA. 15+11.95. 21' LT TO STA. 16+87.91. 21 LT																	28"	20"	176.00									
STA. 15+11.95. 17' LT TO STA. 16+87.91. 17' LT																	28"	20"	176.00									
STA. 16+95.41. 21' LT. TO STA. 17+92.78. 21' LT																	28"	20"	97.4									
STA. 16+95.41 . 17' LT TO STA. 17+92.78. 17' LT																	28"	20"	97.4									
STA. 18+00.28. 17' LT TO STA. 21+88.68. 17' LT								24"	388.4																			SNAP TITE PIPE
STA. 18+00.28. 21' LT TO STA. 19+92.29. 24.30' LT																	28"	20"	192.0									
CULVERT INLET DEVICE																												
STA 18+00.28 LT PIPE RUN "A". 1 HYDRO BELL								24"																				SNAP TITE PRODUCT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 19229.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	JON BITHER	
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

VAN BUREN
US ROUTE 1

DRAINAGE SHEET

SHEET NUMBER
7
OF 18

Filename: ...\msta\007_Drainage_019229.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013

GENERAL NOTES

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:
   VAN BUREN LIGHT AND POWER
   TIME WARNER CABLE
   FAIRPOINT
   VAN BUREN WATER DIST
   VAN BUREN WASTEWATER DIST
   MAINE FIBER

2. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.

3. UTILITY INVOLVEMENT IS ANTICIPATED.

4. ALL JOINTS BETWEEN EXISTING AND PROPOSED HOT BITUMINOUS PAVEMENT SHALL BE BUTTED. PAYMENT SHALL BE MADE INCIDENTAL TO ITEM 603. PIPES.

5. CONSTRUCTION BUTT JOINTS (NO BUTT JOINTS PAYMENT) WILL BE MADE IN THE MILLING PROCESS. MILLING WILL BE DONE 18" (+/-) WIDE (SEE TYPICAL SECTIONS FOR INFORMATION). ALL PAVED DRIVES AND ENTRANCES WILL BE DONE AT THE SAME TIME THE MILLING FOR THE SIDEWALK WILL BE DONE. MILLING IS INCIDENTAL TO ITEM 603.

6. ASPHALT MILLING PRODUCED FROM THE PROJECT WILL BE USED TO FINE GRADE THE SHOULDER AREA. CURB PLACEMENT AND SIDEWALK (SEE TYPICAL FOR MORE DETAILS). ALL EXTRA ASPHALT MILLINGS WILL BECOME THE PROPERTY OF THE STATE OF MAINE. ASPHALT MILLINGS WILL BE STOCKPILED AT THE MAINE DOT MAINTENANCE LOT IN VAN BUREN. THIS IS APPROXIMATELY 1.4 MILES FROM THE END OF THE PROJECT. ASPHALT MILLING USED ON THE PROJECT NEEDS TO BE SIZED TO 1" MINUS. PAYMENT SHALL BE MADE INCIDENTAL TO ITEM 603.

7. WHERE DEEMED NECESSARY BY THE RESIDENT. UNSUITABLE EXCESS MATERIAL SHALL BE REMOVED AND PLACED IN DESIGNATED AREAS OR DISPOSED OF. PAYMENT WILL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.

8. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN WASTE AREAS ACCEPTED BY THE RESIDENT.

9. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL AND WILL PAID FOR AS GRANULAR BORROW.

10. ALL PAVED WALKS TO BE CONSTRUCTED WITH 6" OF MILLINGS (PLACED AND COMPACTED IN TWO EQUAL LIFTS) AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

11. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING SHALL BE INCIDENTAL TO THE RELATED PAVING ITEMS.

12. WHEN SUPER ELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE SHOULDER PAVEMENT WILL HAVE SAME SLOPE AS TRAVELED WAY.

13. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):
   -ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS.
   -ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT.
   -FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND/OR FILL MATERIAL INCLUDING GRANULAR BORROW USED UNDER PIPES AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL).
   -GRANULAR BORROW UNDER THE PIPE SHALL MEET THE REQUIREMENTS FOR UNDERWATER BACKFILL.
   -ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES.
   -FLOW LINES MAY BE CHANGED BY 1.5 FT.
   -ALL THE MILLING OF THE PAVEMENT IS INCIDENTAL TO THE ITEM 603.

14. EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE RESIDENT UNDER THE APPROPRIATE PAY ITEMS.

15. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

16. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 604.

17. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 603

18. ALL CONNECTIONS WILL BE INCIDENTAL TO PIPE ITEMS.

19. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTOR. COST FOR ALL LABOUR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.

20. ALL CATCH BASIN TYPE A PLACED ON CIRCULAR CURB TYPE I SHALL HAVE THE CURB INLET CUT THE SAME RADIUS AS ADJACENT CIRCULAR CURB. PAYMENT SHALL BE INCIDENTAL TO ITEM 604.

21. IN AREAS WHERE CURB TYPE I WILL BE RESET. THE EXISTING CURB SUITABLE FOR USE AS TERMINAL ENDS SHALL BE CUT IF NECESSARY AND UTILIZED AS SUCH AND PAID FOR UNDER ITEM 609.38 (RESET CURB TYPE I.)

22. LOAM HAS BEEN ESTIMATED FOR DISTURBED AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.

23. UNLESS OTHERWISE NOTED SEEDING METHOD NO.1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS.

24. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.

25. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK; IT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

26. THE CONTRACTOR IS RESPONSIBLE FOR THE CAREFUL SIDE STAKING OF EXISTING CENTERLINE AS PER STANDARD SPECIFICATION 105.6.2. SIDE STAKES SHALL BE PLACED SAFELY OUTSIDE OF THE CONSTRUCTION LIMITS AND THE EXISTING CENTERLINE GRADES SHALL BE TRANSFERRED TO THOSE STAKES. THESE STAKES AND GRADES WILL BE USED TO LAYOUT CENTERLINE AND DETERMINE NEW CONSTRUCTION FINISH GRADES FROM DIFFERENTIAL ELEVATION SHEETS FURNISHED BY MDOT. ALL LAYOUT, STAKES, AND GRADES WILL BE CHECKED AND MUST BE ACCEPTABLE TO THE RESIDENT.

27. ANY DAMAGE TO THE SLOPES, DRIVEWAYS AND PARKING LOTS CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE PEPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.

28. PLANS OF PREVIOUSLY CONSTRUCTED PROJECTS ARE AVAILABLE ON REQUEST. THESE PLANS ARE: AT THE PRESQUE ISLE DEPARTMENT OF TRANSPORTATION OFFICE.

29. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION AREAS.

30. ALL THE CURB INLET TYPE 1, FRAME AND GRATE WILL BE TAKEN FROM THE EXISTING CATCH BASIN AND WILL BE REUSED ON THE NEW CATCH BASIN TYPE A1-C 96" I.D. NOTE: THREE CURB INLET WILL BE SUPPLIED BY MDOT.

31. THE PRICE FOR ITEM 604.573 CATCH BASIN TYPE A1-C 96" I.D. IS FOR THE CATCH BASIN (PRECAST UNIT).
   (ALL THE CURB TYPE 1, FRAME AND GRATES NEEDED COMES FROM THE EXISTING C.B. OR PROVIDED BY MDOT.

32. RESET OF THE CURB INLET AT THE CATCH BASINS, WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED, INCLUDED IN THE COST OF THE BASIN.

33. BACKSLOPING OF TRENCHES REQUIRED TO INSTALL DRAINAGE PIPES SHALL NOT BE ALLOWED FROM STATION 11+50 TO STATION 22+50.

34. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FORMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

35. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.

36. STATIONS REFERENCED ARE APPROXIMATE.

37. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.

38. THE CONTRACTOR WILL FINAL STRIPE THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR TRANSFERRING THE EXISTING STRIPING PATTERN TO THE SURFACE COURSE.

Filename: ...\008_GeneralNotes_019229.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 19229.00

HIGHWAY PLANS

PROJ. MANAGER	JON BITHER	BY	DATE
DESIGN-DETAILED	------	------	------
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	------	------	------
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
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FIELD CHANGES	------	------	------

SIGNATURE

P.E. NUMBER

DATE

VAN BUREN
US ROUTE 1

GENERAL NOTES

SHEET NUMBER

8

OF 18

ITEM 403.210 HOT MIX ASPHALT 9.5MM SURFACE

- STA. 12+85 TO STA. 17+00 OFFSET 12' TO 22' LT. 1.5" OF HMA

NOTE: MILLING OF EXISTING ASPHALT NEEDS TO BE DONE NEATLY. PAYMENT IS INCLUDED IN THE PRICE OF THE STORM DRAIN PIPE.

- STA. 12+85 TO STA. 17+00 OFFSET 12' @ JOINT TO 15' LT. MILL 1.5" OF EXISTING HMA.

- STA. 12+85 TO STA. 17+00 OFFSET 15' TO 22' (CURB) REMOVE ALL EXISTING ASPHALT.

-STA. 12+85 TO STA. 17+00 MILL EXISTING ASPHALT SIDEWALK. WHERE THERE IS A BACK CURB CONTRACTOR WILL MILL TO 1' BEHIND CURB.

ITEM 403.209 HOT MIX ASPHALT 9.5MM INCIDENTALS

-STA. 12+85 TO STA. 14+14 LT SIDEWALK DEPTH 2"
-STA. 14+62 TO STA. 17+00 LT SIDEWALK DEPTH 2"

ITEM 403.213 HOT MIX ASPHALT 12.5MM BASE

-STA. 12+85 TO STA. 17+00 LT OFFSET 15' TO 22' LT. DEPTH 3.5"

ITEM 608.26 CURB RAMP DETECTABLE WARNING FIELD (CAST IRON)

-STA. 14+11 LT 2 (2'x2') PLATE AT END OF SIDEWALK
-STA. 14+68 LT 2 (2'x2') PLATE AT END OF SIDEWALK
-STA. 17+14 LT 2 (2'x2') PLATE AT END OF SIDEWALK

ITEM 603.32 28" SPAN, 20" RISE, PIPE ARCH OPTION III

STA. 13+01.75 TO STA. 13+94.14 LT PIPE RUN "A". CB3B TO CB4
STA. 13+97.63 TO STA. 14+14.03 LT PIPE RUN "B". CB4 TO CB4A
STA. 14+00.61 TO STA. 15+04.45 LT PIPE RUN "A". CB4 TO CB5
STA. 14+17.53 TO STA. 14+62.55 LT PIPE RUN "B". CB4A TO CB4B
STA. 14+66.05 TO STA. 15+04.45 LT PIPE RUN "B". CB4B TO CB5
STA. 15+11.95 TO STA. 16+87.91 LT PIPE RUN "A". CB5 TO CB7
STA. 15+11.95 TO STA. 16+87.91 LT PIPE RUN "B". CB5 TO CB7

ITEM 604.072 CATCH BASIN TYPE AI-C 48" ID

STA. 13+00 CB #3B SOUTH. HEIGHT OF BASIN = 7.4'. OFFSET 20' LT. 4' DIA. BASIN
STA. 14+15.78 CB#4A SOUTH. HEIGHT OF BASIN = 8.9'. OFFSET 26' LT. 4' DIA. BASIN
STA. 14+64.30 CB#4B SOUTH. HEIGHT OF BASIN = 9.3'. OFFSET 24' LT. 4 DIA. BASIN

ITEM 604.573 CATCH BASIN TYPE AI-C 96" ID

STA. 15+08.20 CB #5 SOUTH. HEIGHT OF BASIN = 9.44'. OFFSET 19' LT. 8' DIA. BASIN
STA. 16+91.66 CB #7 SOUTH. HEIGHT OF BASIN = 10.9'. OFFSET 19' LT. 8' DIA. BASIN
NOTE: REUSE EXISTING FRAME AND GRATES.

ITEM 627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE

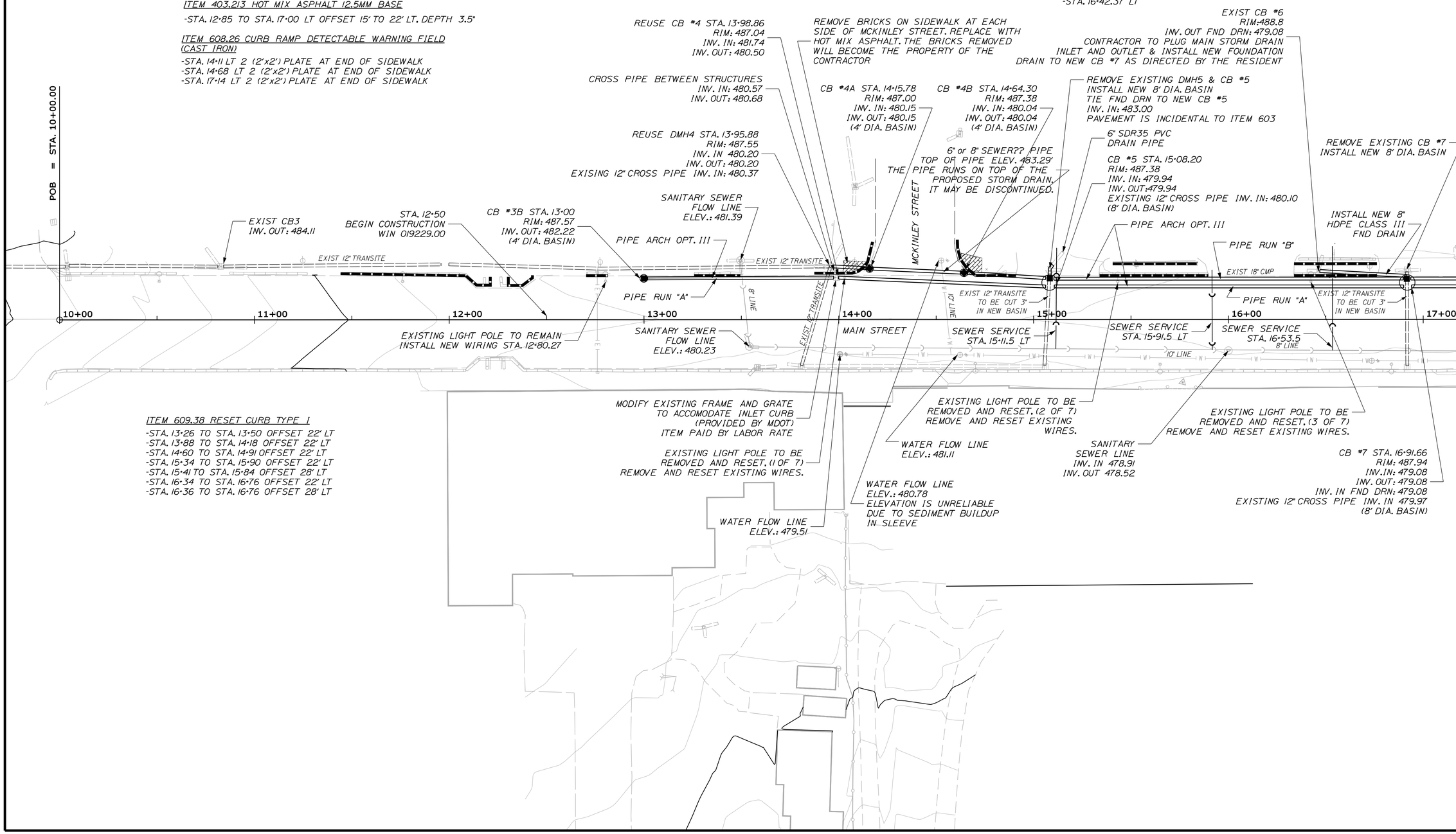
REPAINT PARALLEL PARKING EDGE LINES.
NOTE:
CONTRACTOR IS RESPONSIBLE FOR OBTAINING ORIGINAL MARKING LAYOUT.

ITEM 627.75 WHITE OR YELLOW PAINTED PAVEMENT & CURB MARKING

- MCKINLEY STREET = 1 STOP BAR
- CROSS WALKS = 5 CROSS WALKS AT MISCELLANEOUS LOCATIONS
NOTE:
CONTRACTOR IS RESPONSIBLE FOR OBTAINING ORIGINAL MARKING LAYOUT.

ITEM 634.208 REMOVE AND RESET LIGHT STANDARD W/LUMINAIRES

REMOVE AND RESET 4 (7 TOTAL) STREET LIGHTS
WIRING IS INCIDENTAL TO WORK
-STA. 14+02.94 LT
-STA. 15+43.24 LT
-STA. 16+42.37 LT



ITEM 609.38 RESET CURB TYPE I

-STA. 13+26 TO STA. 13+50 OFFSET 22' LT
-STA. 13+88 TO STA. 14+18 OFFSET 22' LT
-STA. 14+60 TO STA. 14+91 OFFSET 22' LT
-STA. 15+34 TO STA. 15+90 OFFSET 22' LT
-STA. 15+41 TO STA. 15+84 OFFSET 28' LT
-STA. 16+34 TO STA. 16+76 OFFSET 22' LT
-STA. 16+36 TO STA. 16+76 OFFSET 28' LT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 19229.00

HIGHWAY PLANS

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PROJ. MANAGER		JON BITHER	
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REVISIONS 4			
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VAN BUREN
US ROUTE 1

PLANS

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Filename: ...\msto\009_HDPlan1_019229.dgn Division: HIGHWAY Username: Marline.Burnham Date:6/13/2013

ITEM 403.210 HOT MIX ASPHALT 9.5MM SURFACE

- STA. 17+00 TO STA. 22+05 OFFSET 12' TO 22' LT. 1.5" OF HMA

NOTE: MILLING OF EXISTING ASPHALT NEEDS TO BE DONE NEATLEY. PAYMENT IS INCLUDED IN THE PRICE OF THE STORM DRAIN PIPE.

- STA. 17+00 TO 22+05 OFFSET 12' @ JOINT TO 15' LT. MILL 1.5' OF EXISTING HMA

- STA. 17+00 TO 22+05 OFFSET 15' TO 22' (CURB) REMOVE ALL EXISTING ASPHALT

-STA. 17+00 TO 22+05 MILL EXISTING ASPHALT SIDEWALK. WHERE THERE IS A BACK CURB CONTRACTOR WILL MILL TO 1' BEHIND CURB

ITEM 403.209 HOT MIX ASPHALT 9.5MM INCIDENTALS

-STA. 17+00 TO STA. 20+12 LT SIDEWALK DEPTH 2"
-STA.20+44 TO STA. 22+50 LT SIDEWALK DEPTH 2"

ITEM 403.213 HOT MIX ASPHALT 12.5MM BASE

-STA. 17+00 TO 22+05 LT OFFSET 15' TO 22' LT. DEPTH 3.5"

ITEM 603.199 24" CULVERT PIPE OPTION III (SNAP TITE PIPE)

STA. 18+00.28 TO STA. 21+88.68 LT PIPE RUN "A"

ITEM 603.32 28" SPAN, 20" RISE PIPE ARCH, OPTION III

STA. 16+95.41 TO STA. 17+92.78 LT PIPE RUN "A"
STA. 16+95.41 TO STA. 17+92.78 LT PIPE RUN "B"
STA. 18+00.28 TO STA. 19+92.29 LT PIPE RUN "B"

ITEM 604.573 CATCH BASIN TYPE AI-C 96" ID

STA. 16+91.66 CB #7 SOUTH, HEIGHT OF BASIN = 10.9', OFFSET 19' LT, 8' DIA. BASIN
STA. 17+96.53 CB #8 SOUTH, HEIGHT OF BASIN = 11.0', OFFSET 19' LT, 8' DIA. BASIN
STA. 19+96.04 CB #9 SOUTH, HEIGHT OF BASIN = 10.54', OFFSET 22.5' LT 8' DIA. BASIN
STA. 21+92.43 CB #11 SOUTH, HEIGHT OF BASIN = 12.0', OFFSET 22.5' LT, 8' DIA. BASIN
NOTE: REUSE EXISTING FRAME, GRATES AND CURB INLET.

ITEM 608.26 DETECTABLE WARNING PLATE SIZE 24"x48" (CAST IRON)

STA. 17+14 LT 2 (2' X 2') PLATE AT END OF SIDEWALK
STA. 19+43 LT 2 (2' X 2') PLATE AT END OF SIDEWALK
STA. 20+06 LT 2 (2' X 2') PLATE AT END OF SIDEWALK
STA. 20+51 LT 2 (2' X 2') PLATE AT END OF SIDEWALK

ITEM 627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE

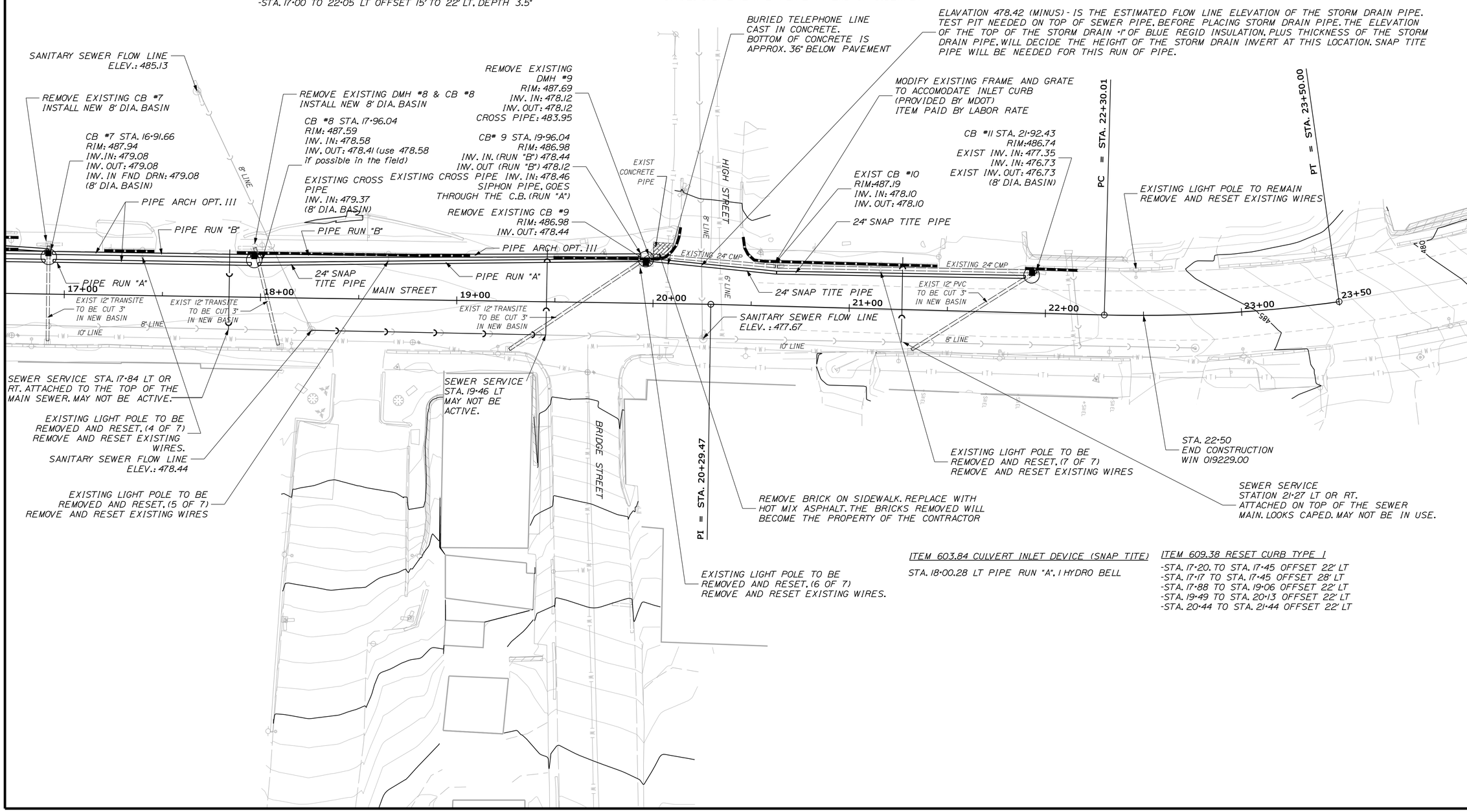
REPAINT PARALLEL PARKING EDGE LINES.
NOTE:
CONTRACTOR IS RESPONSIBLE FOR OBTAINING ORIGINAL MARKING LAYOUT.

ITEM 627.75 WHITE OR YELLOW PAINTED PAVEMENT & CURB MARKING

- HIGH STREET = 1 STOP BAR
- CROSS WALKS = 5 CROSS WALKS AT MISCELLANEOUS LOCATIONS
NOTE:
CONTRACTOR IS RESPONSIBLE FOR OBTAINING ORIGINAL MARKING LAYOUT.

ITEM 634.208 REMOVE AND RESET LIGHT STANDARD W/LUMINAIRES

REMOVE AND RESET 4 STREET LIGHTS (7 TOTAL)
WIRING IS INCIDENTAL TO WORK
-STA. 17+39.55 LT
-STA. 18+64.85 LT
-STA. 19+93.14 LT
-STA. 21+15.54 LT



ITEM 603.84 CULVERT INLET DEVICE (SNAP TITE)

STA. 18+00.28 LT PIPE RUN "A", 1 HYDRO BELL

ITEM 609.38 RESET CURB TYPE 1

-STA. 17+20. TO STA. 17+45 OFFSET 22' LT
-STA. 17+17 TO STA. 17+45 OFFSET 28' LT
-STA. 17+88 TO STA. 19+06 OFFSET 22' LT
-STA. 19+49 TO STA. 20+13 OFFSET 22' LT
-STA. 20+44 TO STA. 21+44 OFFSET 22' LT

STATE OF MAINE
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WIN 19229.00

HIGHWAY PLANS

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VAN BUREN
US ROUTE 1

PLANS

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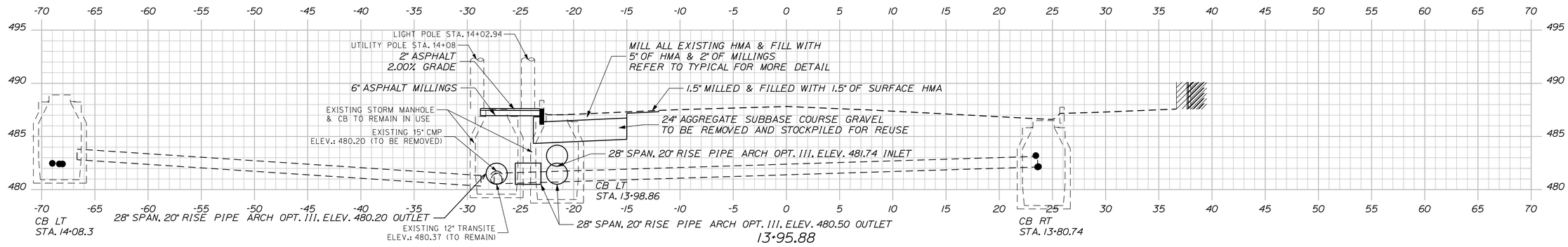
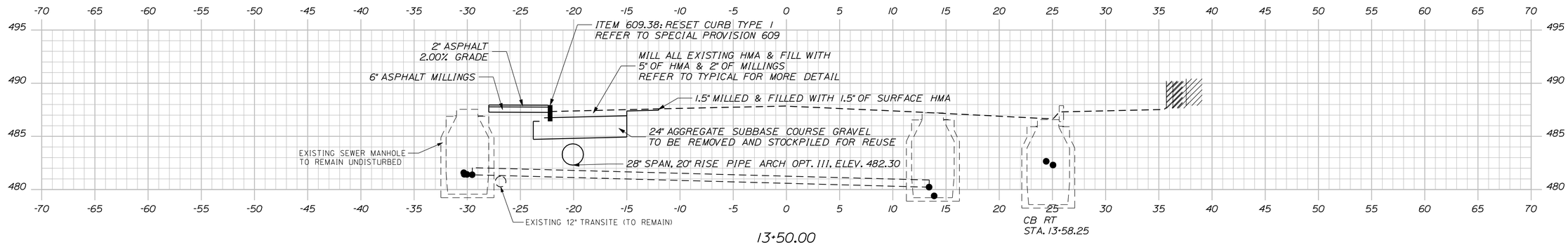
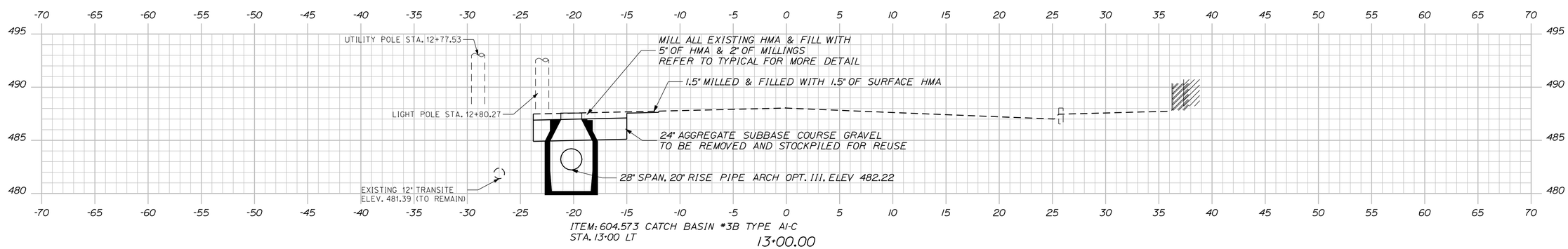
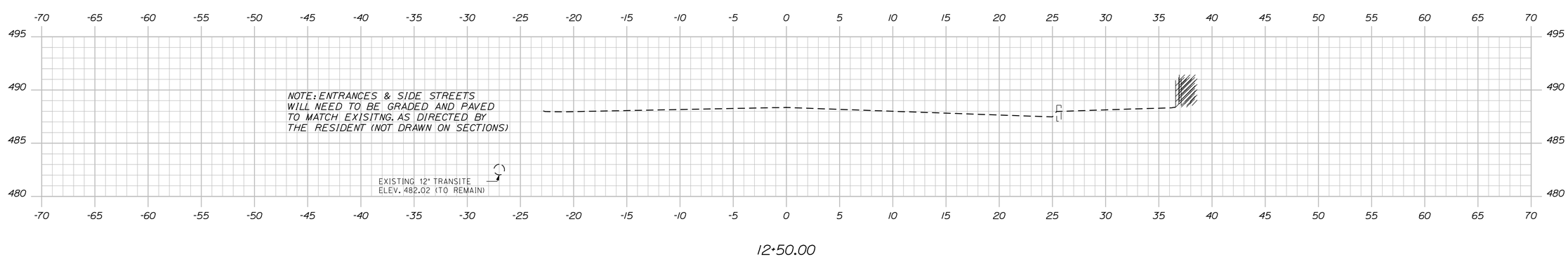
Filename: ...\msta\010_HDPlan2_019229.dgn Division: HIGHWAY Username: Marline.Burnham Date:6/13/2013









STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 19229.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	JON BITHER	
DESIGN-DETAILED		
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VAN BUREN
US ROUTE 1

CROSS SECTIONS

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11
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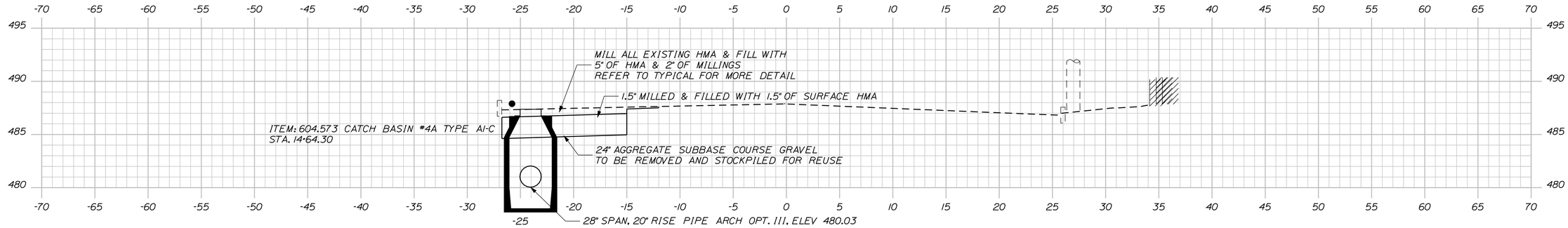
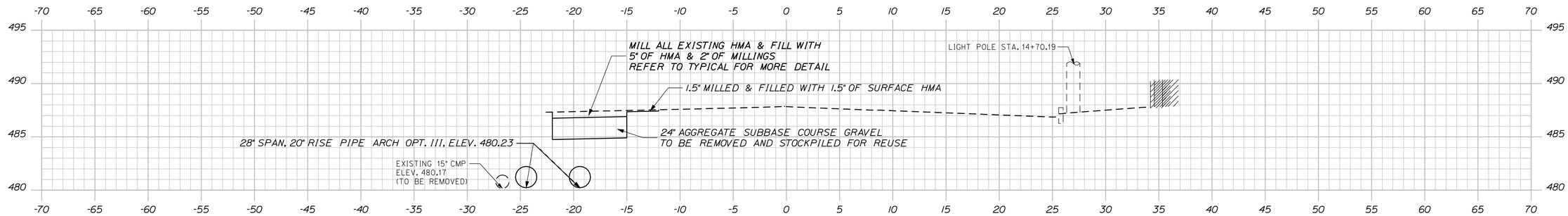
Sta. 12+50.00 to Sta. 13+95.88

Filename: ...\011_Xsect_019229_12-50_001.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013



14+64.30



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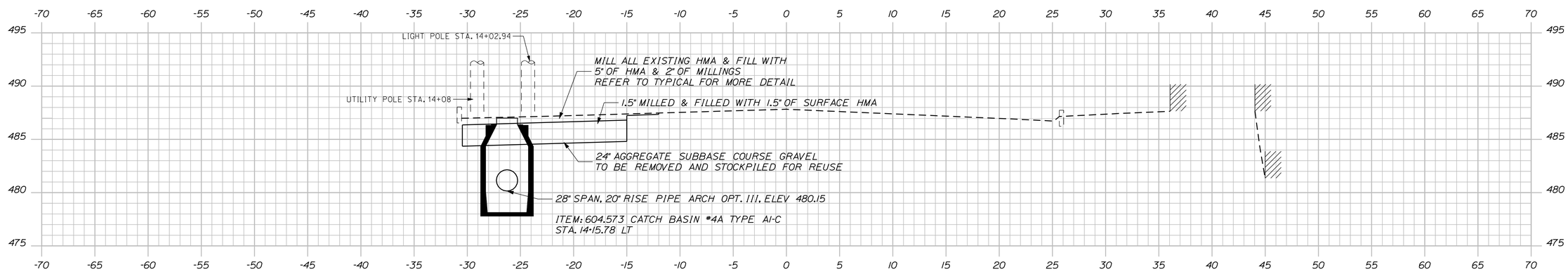

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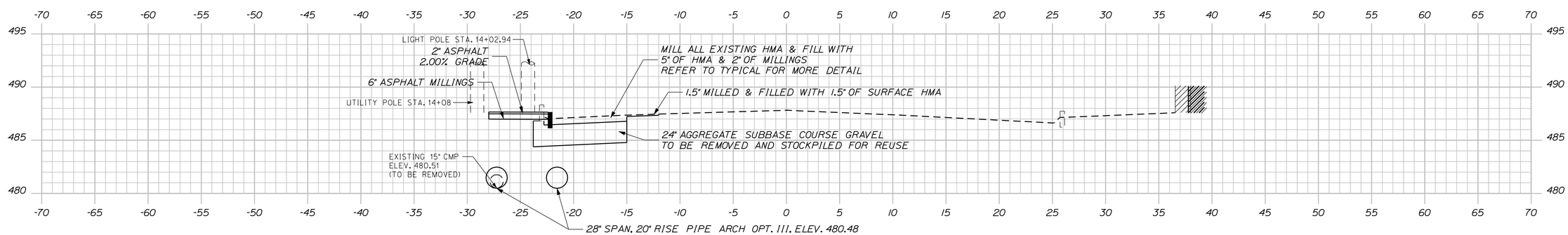

14+00.00

STATE OF MAINE
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HIGHWAY PLANS

PROJ. MANAGER	JON BITHER	BY	DATE
DESIGN-DETAILED			
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REVISIONS 1			
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US ROUTE 1

CROSS SECTIONS

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12
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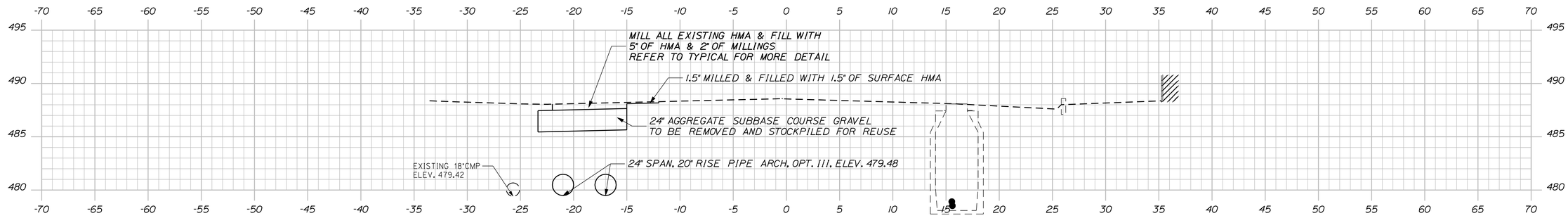
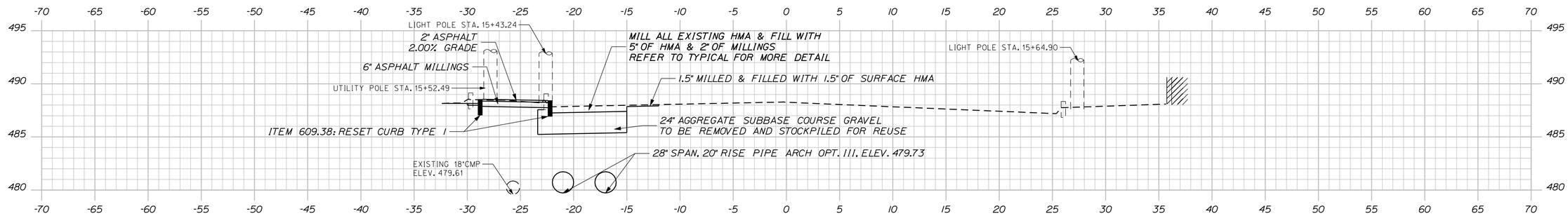
Sta. 14+00.00 to Sta. 14+64.30

Filename: ...\012_Xsect_019229_14+00_002.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013



16+00.00



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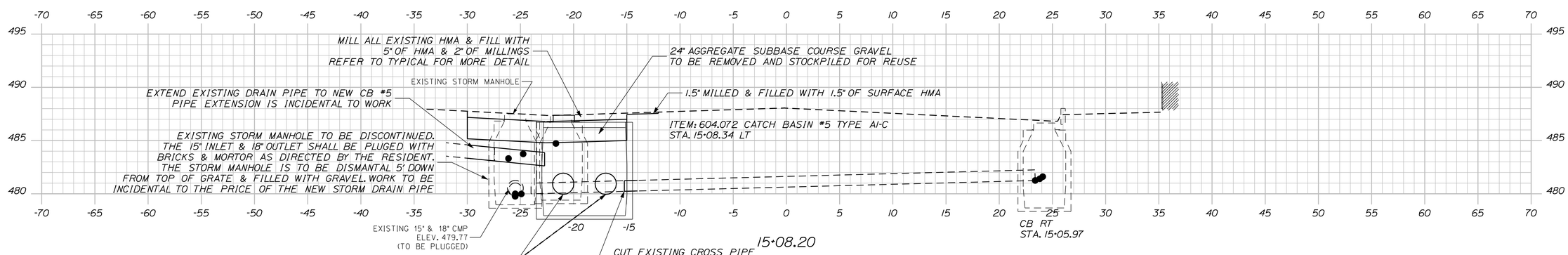

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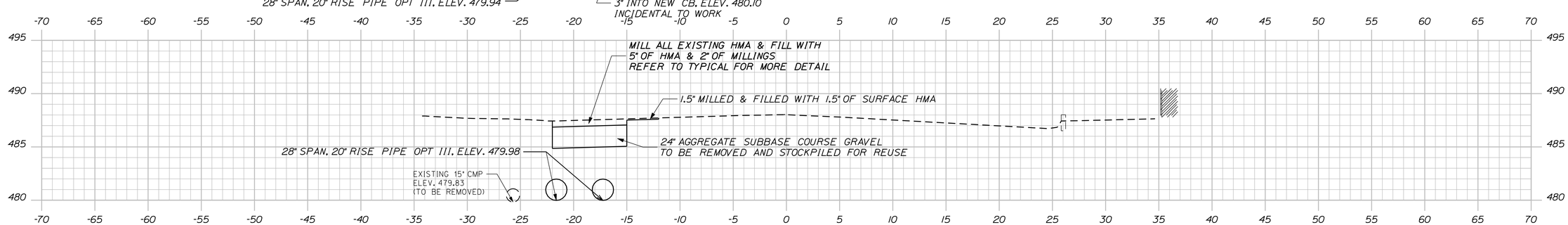

15+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 19229.00

HIGHWAY PLANS

PROJ. MANAGER	JON BITHER	BY	DATE
DESIGN-DETAILED			
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DESIGN2-DETAILED2			
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CROSS SECTIONS

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13
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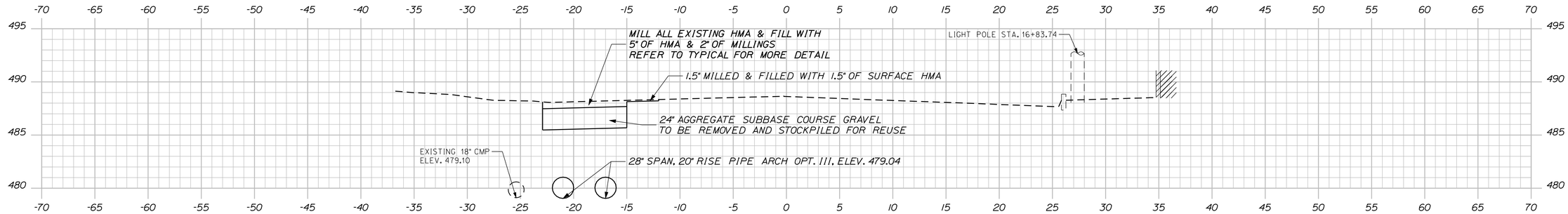
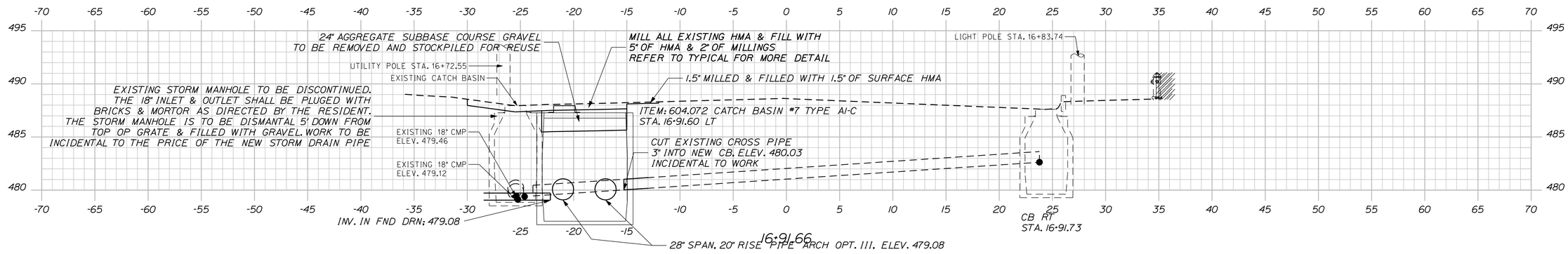
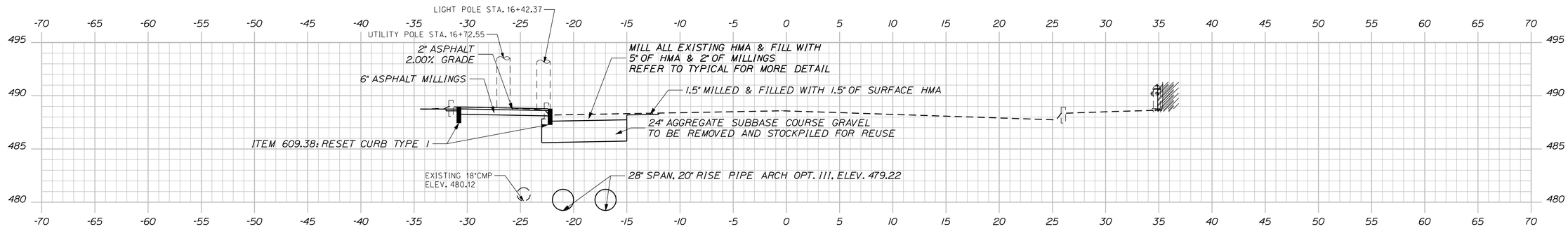
Sta. 15+00.00 to Sta. 16+00.00

Filename: ...\013_Xsect_019229_15+00_003.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013



17+00.00





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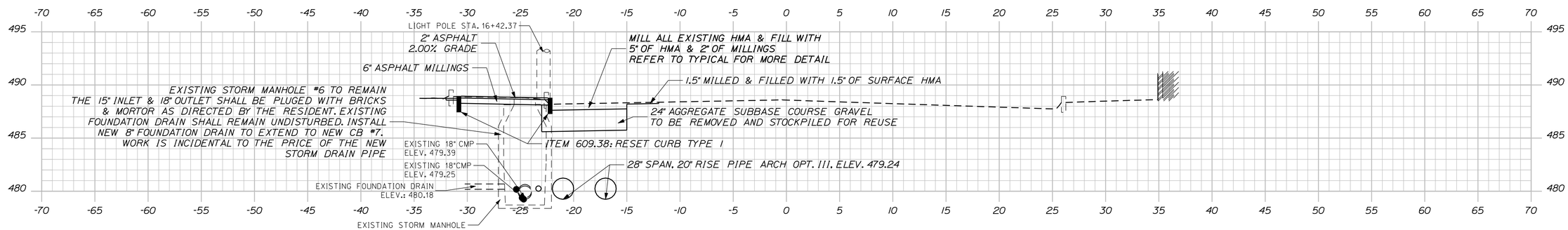

16+46.33

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN
19229.00

HIGHWAY PLANS

PROJ. MANAGER	JON BITHER	BY	DATE
DESIGN-DETAILED			
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US ROUTE 1

CROSS SECTIONS

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14
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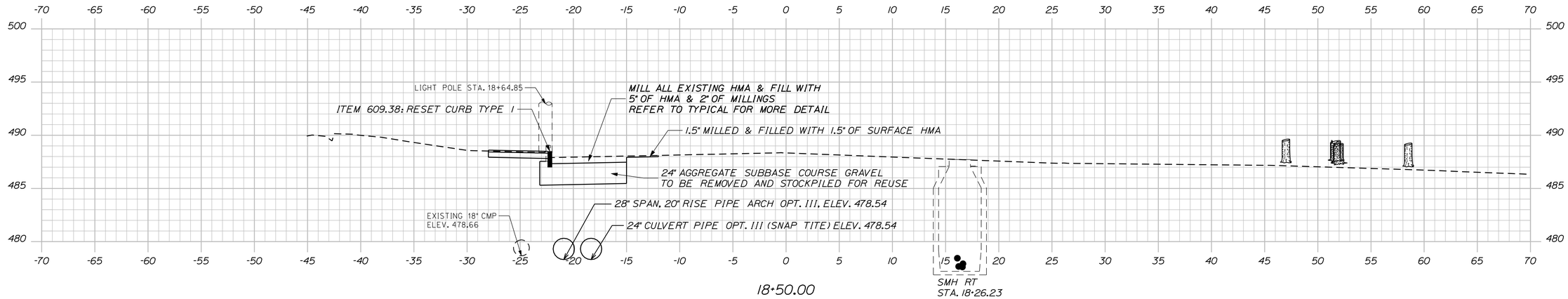
Sta. 16+46.33 to Sta. 17+00.00

Filename: ...\014_Xsect_019229_16-46_004.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013



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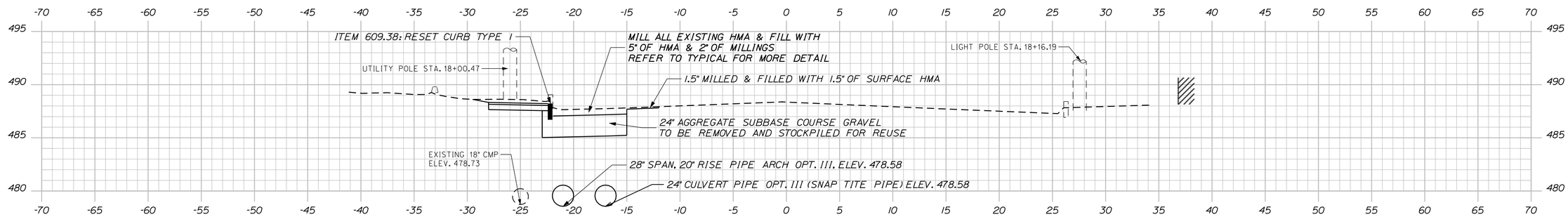

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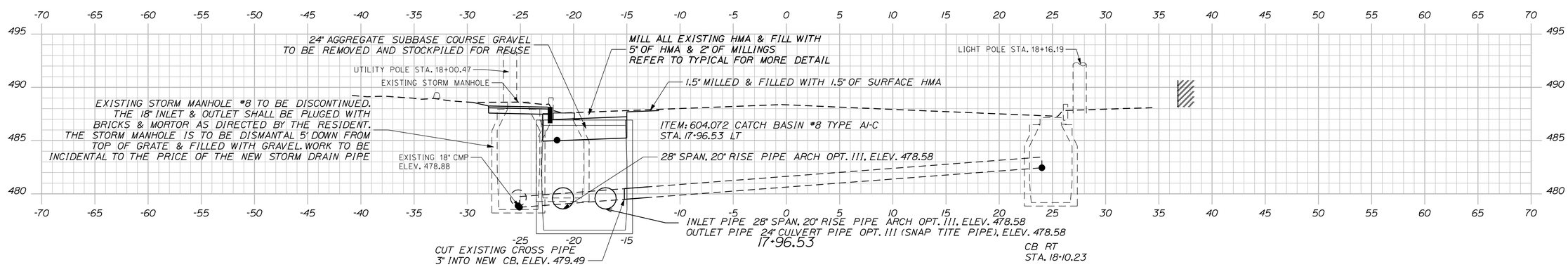

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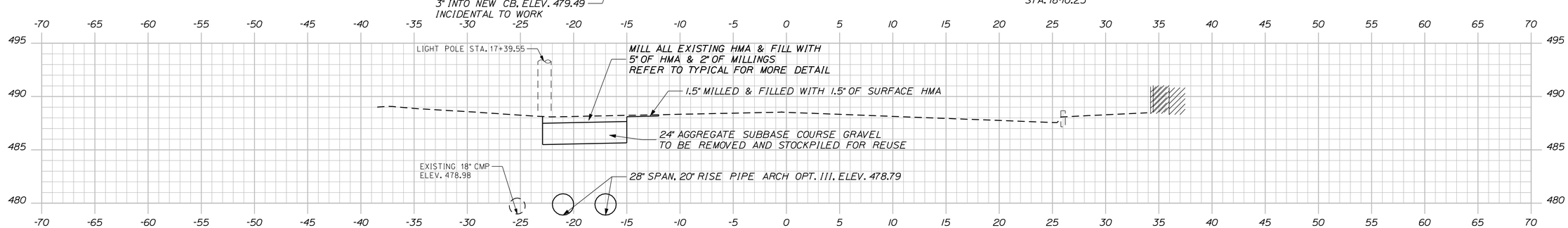


17+50.00

Sta. 17+50.00 to Sta. 18+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 19229.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	JON BITHER	
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

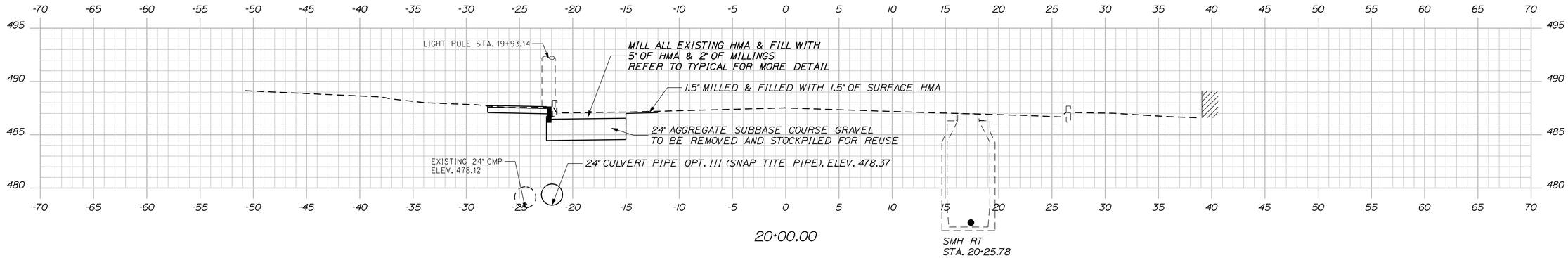
DATE

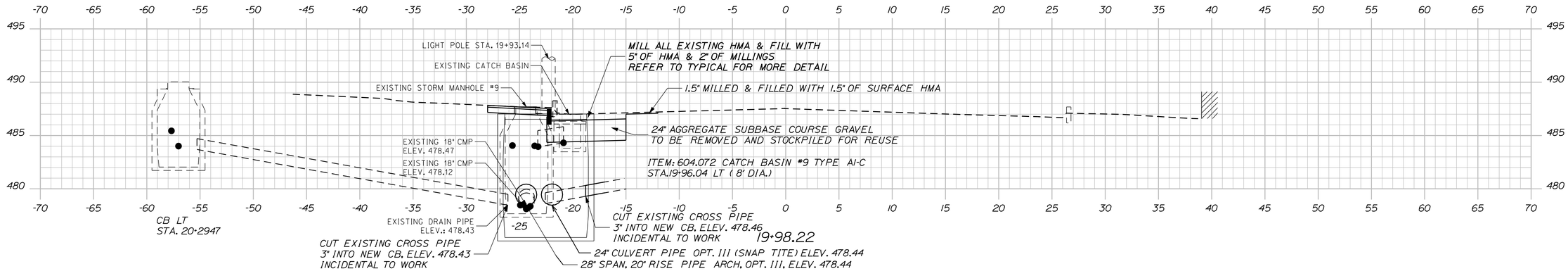
VAN BUREN
US ROUTE 1

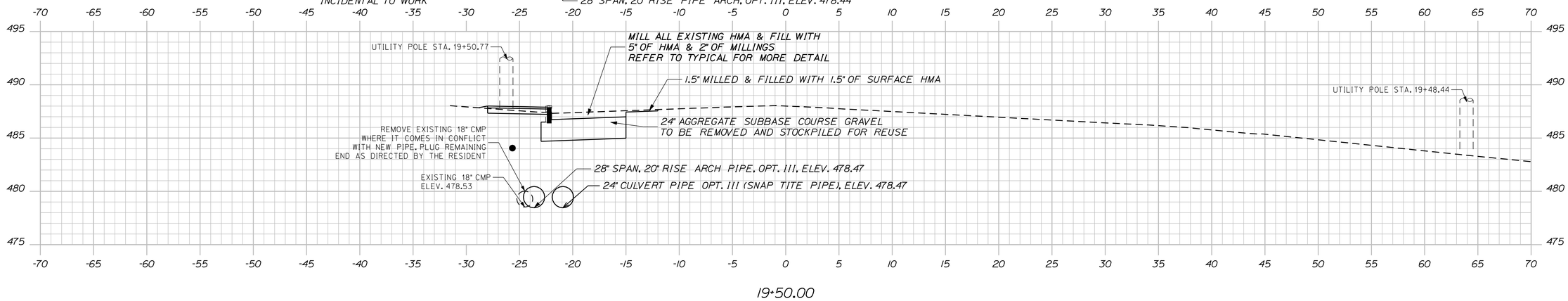
CROSS SECTIONS

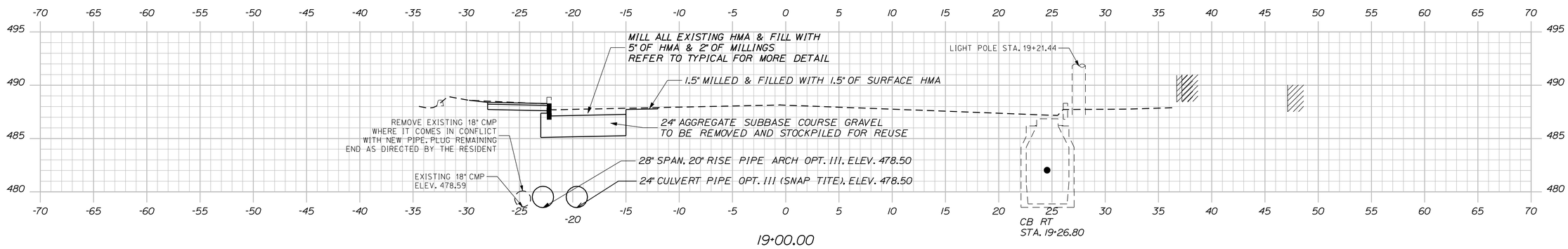
SHEET NUMBER
15
OF 18

Filename: ...\015_Xsect_019229_17+50_005.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013









STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 19229.00

HIGHWAY PLANS

PROJ. MANAGER	JON BITHER	BY	DATE
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

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P.E. NUMBER

DATE

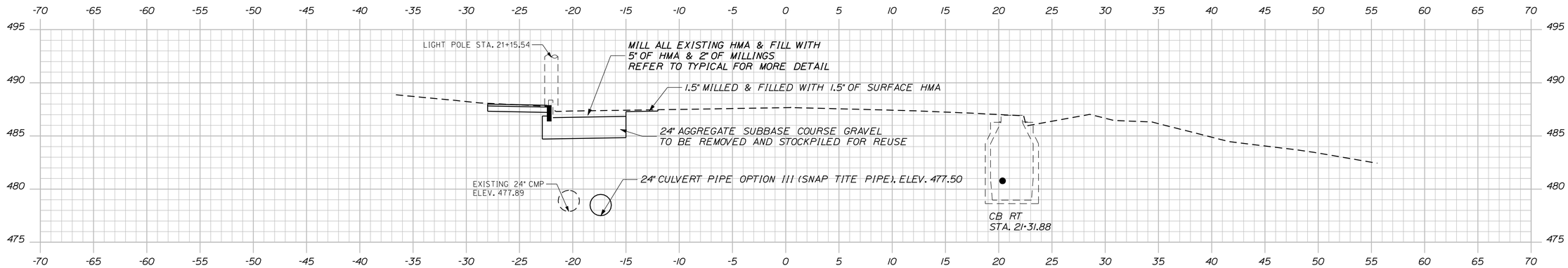
VAN BUREN
US ROUTE 1

CROSS SECTIONS

SHEET NUMBER
16
OF 18

Sta. 19+00.00 to Sta. 20+00.00

Filename: ...\016_Xsect_019229_19+00_006.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013



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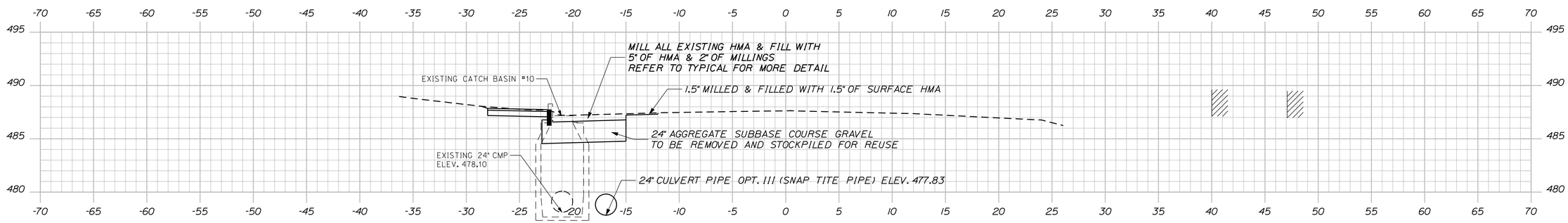

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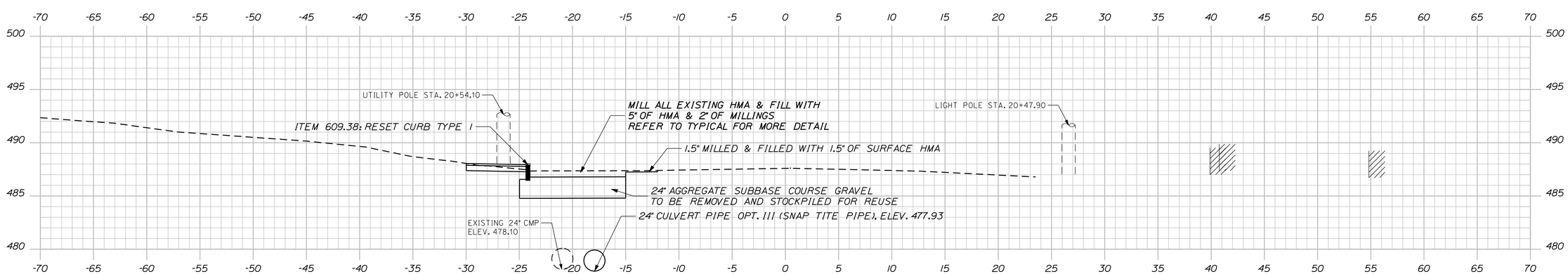

20+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN
19229.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	JON BITHER	
DESIGN-DETAILED		
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FIELD CHANGES		

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VAN BUREN
US ROUTE 1

CROSS SECTIONS

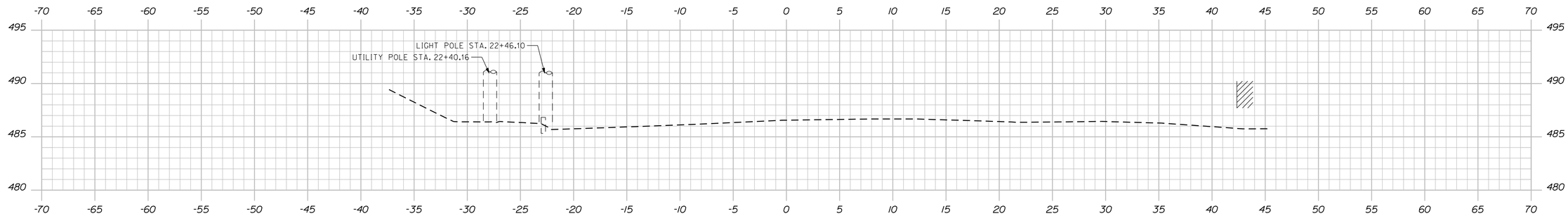
SHEET NUMBER

17

OF 18

Sta. 20+50.00 to Sta. 21+00.00

Filename: ...\017_Xsect_019229_20+50_007.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013



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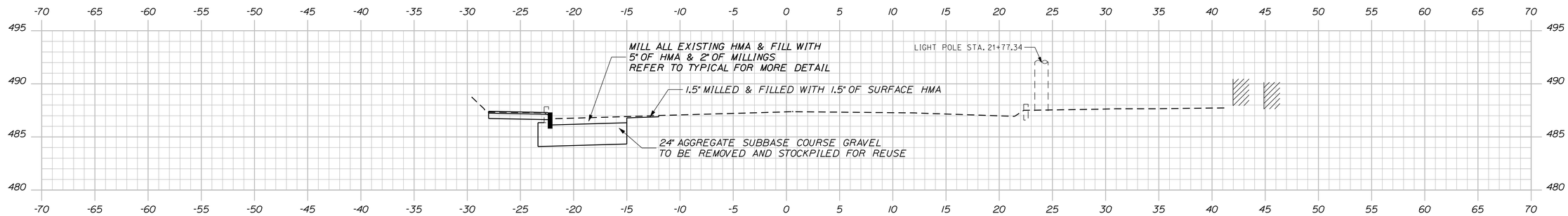

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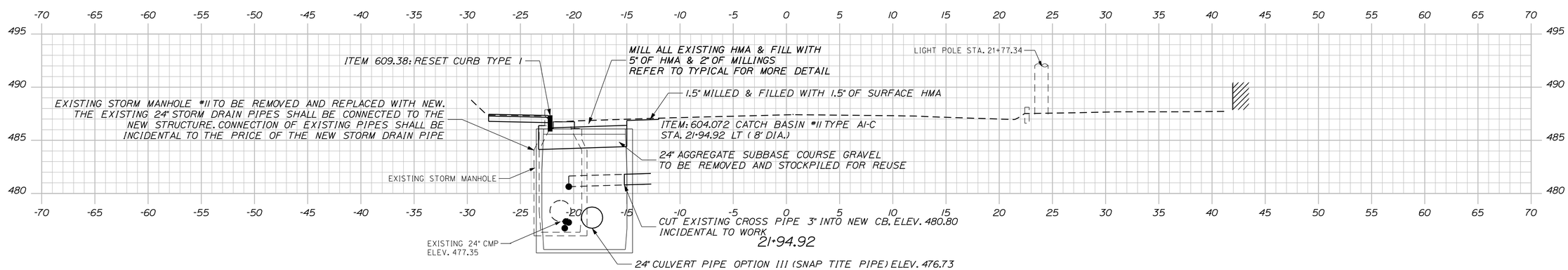

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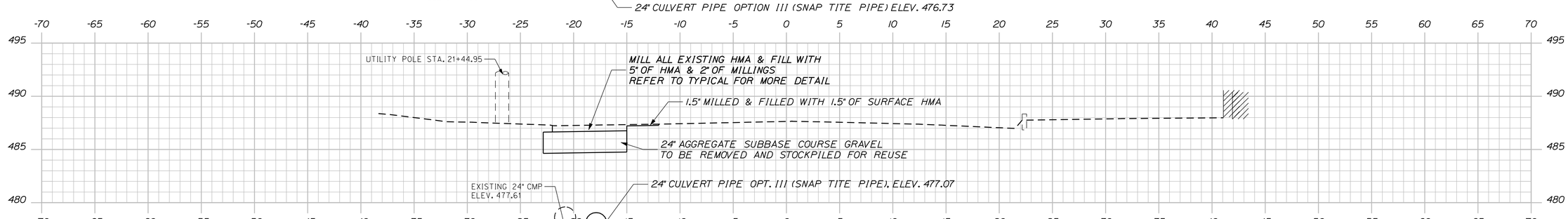

21+50.00

STATE OF MAINE
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HIGHWAY PLANS

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PROJ. MANAGER	JON BITHER	
DESIGN-DETAILED		
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VAN BUREN
US ROUTE 1

CROSS SECTIONS

SHEET NUMBER
18
OF 18

Sta. 21+50.00 to Sta. 22+50.00

Filename: ...\018_Xsect_019229_21+50_008.dgn Division: HIGHWAY Username: Martine.Burnham Date:6/13/2013