

# STATE ROUTE 302 ROADWAY IMPROVEMENTS

## FRYEBURG, MAINE

### OXFORD COUNTY

#### A ROADWAY WIDENING PROJECT

ROUTE 302 PROJECT LENGTH: 1,000 FEET (0.19 MILES)

STATE WIN NO.: 15116.73

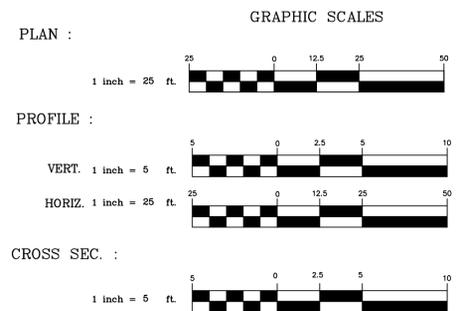
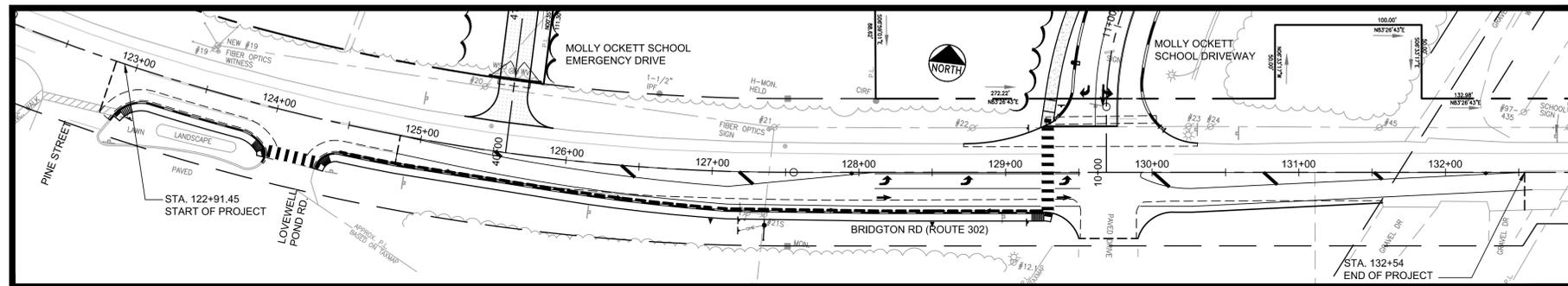
FST JOB NO.: 3128.01/SF-MO44A

**DESIGNED BY:**  
 FAY, SPOFFORD & THORNDIKE  
 778 MAIN STREET  
 SUITE 8  
 SOUTH PORTLAND, MAINE 04106  
 (207) 775-1121

**SURVEY BY:**  
 OWEN HASKELL, INC.  
 390 US ROUTE 1, UNIT 10  
 FALMOUTH, MAINE 04105  
 (207) 774-0424

**PREPARED FOR:**  
 MAINE SCHOOL ADMINISTRATIVE DISTRICT #72  
 124 PORTLAND ST.  
 FRYEBURG, ME 04037  
 ATTN: JAY ROBINSON

**STATE ROUTE 302 - ARTERIAL:**  
 COUNTED AADT / YEAR: 6230/2010  
 DESIGN YEAR: 2015  
 DESIGN AADT: 6230  
 DESIGN SPEED LIMIT: 35 MPH  
 POSTED SPEED LIMIT: 35 MPH



**RIGHT-OF-WAY REFERENCE:**

MAINE STATE HIGHWAY COMMISSION RIGHT OF WAY MAP STATE HIGHWAY "14" FRYEBURG, OXFORD COUNTY FEDERAL AID PROJECT DF-014-1(8) DATED OCTOBER 1958 S.H.C. FILE NO. 9-104.

**LEGEND**

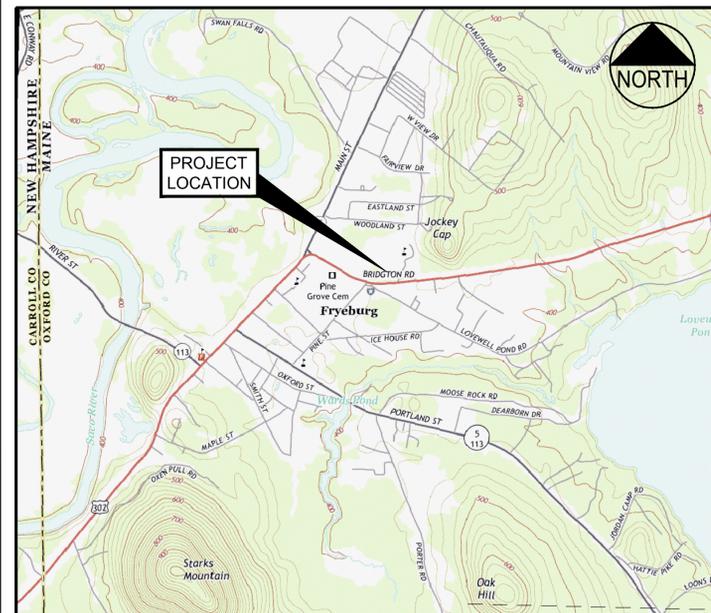
EXISTING	DESCRIPTION	PROPOSED
	BUILDING	
	PROPERTY LINE	
	EDGE OF PAVEMENT	
	CENTER LINE	
	MINOR CONTOUR	
	MAJOR CONTOUR	
	WOODEN FENCE	
	WIRE OR CHAIN LINK FENCE	
	STONE WALL	
	BITUMINOUS CURB	
	SLOPED GRANITE CURB	
	PAINTED DIRECTIONAL TRAFFIC ARROW	
	OVERHEAD ELECTRIC & TELEPHONE	
	OVERHEAD UTILITIES	
	UNDERGROUND ELECTRIC	
	SEWER LINE	
	STORM DRAIN LINE	
	WATER LINE	
	GUARD RAIL	
	HYDRANT	
	MANHOLE	
	CATCH BASIN	
	POLE WITH LIGHT FIXTURE(S)	
	SIGNAL POLE W/ FOUNDATION	
	UTILITY POLE	
	FREESTANDING SIGN	
	IRON MARKER - FOUND	
	IRON MARKER - SET	
	P.K. SPIKE	
	HIGHWAY MONUMENT	
	TREELINE	
	TREES/LANDSCAPING	
	SILT FENCE	
	TRAFFIC SIGNAL	
	WETLAND LIMITS	
	CUT LINE	
	FILL LINE	

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- 11-18 ROADWAY CROSS SECTIONS

**NOTES:**

1. ALL WORK SHOWN UNDER THIS CONTRACT SHALL BE GOVERNED BY AND IN CONFORMITY WITH THE MDOT STANDARD SPECIFICATIONS (REVISION OF NOVEMBER 2014) FOR HIGHWAYS, BRIDGES, AND SUPPLEMENTALS THERETO, EXCEPT AS MODIFIED ON THE PLANS AND IN THE SPECIAL PROVISIONS. EXCEPT THAT MEASUREMENT & PAYMENT FOR ALL WORK SHALL BE AT THE LUMP SUM PRICE CONTAINED IN THE BASE BID & NO OTHER OR SEPARATE PAYMENT SHALL BE MADE. NO WORK SHALL BE PERFORMED WITHIN THE MDOT ROW UNTIL WRITTEN CONSTRUCTION APPROVAL HAS BEEN ISSUED BY THE DEPARTMENT.
2. MAINTENANCE OF TRAFFIC TO BE DONE PER THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
3. BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL AS SPECIFIED IN THE MDOT BEST MANAGEMENT PRACTICE FOR EROSION AND SEDIMENTATION CONTROL MANUAL, FEBRUARY 2008 EDITION, ARE TO BE USED AS MINIMUM STANDARD FOR EROSION AND SEDIMENT CONTROL ON THIS PROJECT.
4. FIELD MONITORING/ENGINEERING TO BE PROVIDED BY FAY, SPOFFORD & THORNDIKE, INC. PERSONNEL.
5. REFER TO GENERAL NOTES PLAN FOR DESCRIPTION OF BID ALTERNATE WORK.



**LOCATION MAP**  
 N.T.S.

COMMISSIONER: \_\_\_\_\_

P.E. BO KENNEDY  
 LIC. # 11994

No.	DATE	DESCRIPTION
5	4/14/15	REVISED PER MDOT COMMENTS
4	4/3/15	ISSUED FOR BID
3	3/3/15	DELINEATED BID ALTERNATE 1 - SIDEWALK WORK
2	3/19/15	SUBMITTED TO MDOT FOR REVIEW
1	3/19/15	SENT TO UTILITY COMPANIES FOR REVIEW

**GENERAL NOTES**

1. THE FOLLOWING SHALL BE CONTACTED PRIOR TO ANY CONSTRUCTION:

CENTRAL MAINE POWER  
ATTN: SCOTT MILLER  
133 PORTLAND ROAD  
BRIDGTON, ME 04009  
TEL. (207) 647-1044  
scott.miller@cmpco.com

TIME WARNER CABLE  
ATTN: DON JOHNSON  
118 JOHNSON ROAD  
PORTLAND, ME 04102  
TEL. (207) 253-2291  
don.johnson@twcable.com

FRYEBURG WATER COMPANY  
ATTN: JOHN HASTINGS  
24 PORTLAND STREET, SUITE 1  
FRYEBURG, ME 04037  
TEL. (207) 935-2010

FAIRPOINT COMMUNICATIONS  
ATTN: BRYAN KENISON, MANAGER  
73 MAIN STREET  
RAYMOND, MAINE 04071  
TEL. (207) 642-7205  
CELL (207) 650-1022  
bryan.kenison@fairpoint.com

FAIRPOINT COMMUNICATIONS  
ATTN: MORRIS LEATHERS, ENGINEER  
73 MAIN STREET  
RAYMOND, MAINE 04071  
TEL. (207) 342-4280  
CELL (207) 446-5371  
mleather@fairpoint.com

TOWN OF FRYEBURG  
PUBLIC WORKS  
165 BRIDGTON ROAD  
FRYEBURG, ME 04037  
TEL. (207) 935-2772  
fryeburgadmin@roadrunner.com

DIG SAFE  
1-888-344-7233  
(72 HOURS PRIOR TO START OF CONSTRUCTION)

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

3. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW-UNDERWATER BACKFILL.

4. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1' ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW UNDERWATER BACKFILL.

5. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED, OR PLUGGED WITHOUT PRIOR APPROVAL.

6. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTH LINED PIPES, UNLESS OTHERWISE NOTED.

7. LOAM SALVAGE SHALL BE STOCKPILED AT A DESIGNATED SITE FOR PLACEMENT ON THE SIDESLOPES.

8. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL NON-GUARDRAIL FORESLOPES FROM THE EDGE OF SHOULDER TO THE DITCH LINE OR TOE OF FILL. SEEDING METHOD NO. 3 SHALL BE UTILIZED ON ALL BACKSLOPES AND ON ALL GUARDRAIL FILL SLOPES

9. MULCH SHALL BE APPLIED IN AREAS SEEDED BY SEEDING METHOD NO. 2 AND SEEDING METHOD NO. 1.

10. LOAM DEPTHS ARE AS FOLLOWS:  
4" FOR SEEDING OF METHOD NO. 1  
4" FOR SEEDING OF METHOD NO. 2  
DEPTHS SHOWN ARE NOMINAL.

11. PAVED ENTRANCES (UNLESS OTHERWISE DESCRIBED HEREIN) SHALL BE CONSTRUCTED WITH:  
2" HOT BIT. PAVEMENT (DRIVEWAYS),  
3" HOT BIT. PAVEMENT (BUSINESS ENTRANCES),  
AND 12" AGGREGATE SUBBASE COURSE GRAVEL.

12. THE MSAD#72 MAIN SCHOOL ENTRANCE SHALL BE CONSTRUCTED WITH:  
4" HOT BITUMINOUS PAVEMENT (1 1/2" SURFACE PAVEMENT, 9.5mm AND 2 1/2" BINDER PAVEMENT, 19.0mm)  
6" AGGREGATE BASE GRAVEL, TYPE 'A', 2" MINUS.  
10" AGGREGATE SUBBASE GRAVEL, TYPE 'D', 4" MINUS.

13. THE MSAD#72 SCHOOL EMERGENCY ACCESS DRIVE SHALL BE CONSTRUCTED WITH:  
2 1/2" PROCESS PAVEMENT GRINDINGS,  
18" AGGREGATE SUBBASE GRAVEL, TYPE 'D', 4" MINUS

14. UNPAVED ENTRANCES SHALL BE CONSTRUCTED WITH:  
3" UNTREATED AGGREGATE SURFACE COURSE,  
11" AGGREGATE SUBBASE COURSE GRAVEL AND

15. CRUSHED STONE ENTRANCES SHALL BE CONSTRUCTED WITH:  
2" CRUSHED STONE SURFACE, AND  
12" AGGREGATE SUBBASE COURSE GRAVEL.

16. EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS APPROVED BY THE ENGINEER.

17. TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED FOR THE FULL DURATION OF CONSTRUCTION. REMOVE AFTER SITE IS FULLY STABILIZED WITH THE APPROVAL OF THE ENGINEER.

18. EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SUBPART P OF 29 CFR PART 1926.650-652 (CONSTRUCTION STANDARD FOR EXCAVATIONS).

19. ALL PAVEMENT JOINTS BETWEEN EXISTING AND PROPOSED PAVEMENT ARE TO BE SAW-CUT TO ENSURE A SMOOTH BUTT JOINT IS ATTAINED AND WILL BE COATED WITH BITUMINOUS TACK COAT APPLIED PRIOR TO NEW PAVEMENT BEING PLACED.

20. THE GRUBBING WIDTH SHALL EXTEND TO THE SUBGRADE LIMITS.

21. ALL DITCH ELEVATIONS SHOWN ON THE CROSS SECTIONS ARE FOR THE FINISHED DITCH FLOW LINE.

22. DRIVEWAY FILL SIDESLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.

**BID ALTERNATE 1: OFFSITE SIDEWALK**

WORK INCLUDED IN THE BASE BID CONTRACT SHALL BE ALL OFFSITE IMPROVEMENTS SHOWN ON THE PLANS ENTITLED "STATE ROUTE 302 ROADWAY IMPROVEMENTS" INCLUDING WORK ATTENDANT WITH A NEW PROTECTED LEFT TURN LANE, TWO NEW SCHOOL DRIVEWAY ENTRANCES AND ATTENDANT SIGNAGE AND STRIPING BUT EXCLUDES WORK DESCRIBED AS PART OF BID ALT 1 BELOW.

WORK INCLUDED IN BID ALTERNATE 1 IS REQUIRED AS PART OF THE MDOT TRAFFIC MOVEMENT PERMIT AND DESCRIBED AS ALL PORTIONS OF THE OFFSITE ROADWAY PLANS SUPPORTING A SIDEWALK RUNNING ALONG THE SOUTH SIDE OF ROUTE 302. BID ALTERNATE 1 IS DELINEATED ON THE PLANS AND INCLUDES BUT NOT LIMITED TO:

- APPROXIMATELY 600 LF OF 6' WIDE HOT BITUMINOUS SIDEWALK;
- APPROXIMATELY 575 LF OF HOT BITUMINOUS CURB;
- STORM DRAIN ELEMENTS 200, 201, 202, 203, 204, 205, 206, 207 AND 208;
- 1' WIDE ROADWAY WIDENING INTENDED FOR CURB BASE;
- FOUR (4) PEDESTRIAN RAMPS AND TACTILE WARNING FIELDS;
- PAVEMENT SAWCUT, GRIND AND OVERLAY BETWEEN STATION 122+91.45 AND 124+85.79;
- ONE (1) PAINTED CROSSWALK ACROSS LOVEWELL RD; AND
- COMMON BORROW ASSOCIATED WITH SIDEWALK.

3

**CONTRACTOR'S CONSTRUCTION NOTES**

1. PRIOR TO MAKING ANY HIGHWAY IMPROVEMENTS, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO CONSTRUCT SUCH IMPROVEMENTS.

2. PRIOR TO MAKING ANY HIGHWAY IMPROVEMENTS, THE CONTRACTOR SHALL SUBMIT A PLAN TO CONTROL TRAFFIC DURING THE PERIOD OF CONSTRUCTION TO THE DEPARTMENT AND THE ENGINEER FOR APPROVAL WHICH CONFORMS TO THE LATEST EDITION OF THE FEDERAL HIGHWAY ADMINISTRATIONS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".

3. PRIOR TO MAKING ANY HIGHWAY IMPROVEMENTS, THE CONTRACTOR SHALL COMPLY WITH ALL NECESSARY INSURANCE REQUIREMENTS AS OUTLINED UNDER SECTION 103.08 IN THE DEPARTMENT'S "STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES" (HEREAFTER STANDARD SPECIFICATIONS). MINIMUM INSURANCE REQUIREMENTS SHALL INCLUDE AT LEAST WORKERS' COMPENSATION INSURANCE, COMMERCIAL GENERAL LIABILITY AND AUTOMOBILE LIABILITY INSURANCE AS DEFINED THEREIN. ADDITIONAL INSURANCE MAY BE REQUIRED WHERE APPLICABLE. THE CONTRACTOR SHALL FURNISH TO THE DEPARTMENT AND THE ENGINEER SATISFACTORY PROOF OF SUCH INSURANCE SO REQUIRED. IN THE EVENT THAT SUCH INSURANCE IS TERMINATED OR CANCELED WITHOUT BEING REPLACED WITH COMPARABLE INSURANCE, THE DEPARTMENT MAY SUSPEND OR TERMINATE ALL HIGHWAY CONSTRUCTION IN PROGRESS AT THE TIME OF SUCH TERMINATION OR CANCELLATION.

4. PRIOR TO MAKING ANY HIGHWAY IMPROVEMENTS, THE CONTRACTOR SHALL FURNISH TO THE DEPARTMENT A PERFORMANCE BOND, CERTIFIED CHECK OR OTHER NEGOTIABLE SECURITY ACCEPTABLE TO THE DEPARTMENT IN THE FULL AMOUNT OF THE COST TO CONSTRUCT SUCH IMPROVEMENTS WHICH CONFORMS TO THE GENERAL REQUIREMENTS FOR SUCH SURETY AS OUTLINED UNDER SECTION 103.05 IN THE STANDARD SPECIFICATIONS.

5. THE CONTRACTOR SHALL NOT MAKE ANY HIGHWAY IMPROVEMENTS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE DEPARTMENT. THE CONTRACTOR SHALL PROVIDE THE DEPARTMENT AND THE ENGINEER WITH A SCHEDULE OF WORK FOR CONSTRUCTING SUCH IMPROVEMENTS PRIOR TO RECEIVING SUCH APPROVAL.

6. ALL PROPOSED HIGHWAY IMPROVEMENTS SHALL BE CONSTRUCTED AS SHOWN ON THE FINAL PLANS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

A. THE DEPARTMENT AND THE ENGINEER SHALL BE ALLOWED TO INSPECT SUCH CONSTRUCTION AND TEST ANY MATERIALS USED THEREIN AT ANY AND ALL TIMES AS NECESSARY TO ASSURE COMPLIANCE WITH THE FINAL PLANS OR STANDARD SPECIFICATIONS.

B. THE DEPARTMENT AND THE ENGINEER MAY REJECT ANY WORK OR MATERIALS WHICH DO NOT CONFORM TO THE FINAL PLANS OR STANDARD SPECIFICATIONS.

C. THE CONTRACTOR SHALL ALLOW OR ARRANGE FOR THE DEPARTMENT, ITS INSPECTORS, AGENTS, EMPLOYEES, CONTRACTORS OR INVITED GUESTS, TO ENTER UPON ANY LAND OUTSIDE OF THE HIGHWAY RIGHT-OF-WAY WHICH MAY BE USED FOR CONSTRUCTION OF THE HIGHWAY IMPROVEMENTS AT ANY AND ALL TIMES AND FOR ANY AND ALL PURPOSES NECESSARY OR INCIDENTAL TO SUCH INSPECTION OR TESTING.

D. THE PLACEMENT OF BITUMINOUS PAVING MATERIALS SHALL BE SUBJECT TO ALL OF THE WEATHER AND SEASONAL LIMITATIONS OUTLINED UNDER SECTION 401.07 IN THE STANDARD SPECIFICATIONS.

E. ALL TRAFFIC SHALL BE CONTROLLED DURING THE PERIOD OF CONSTRUCTION IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN APPROVED BY THE DEPARTMENT AND THE ENGINEER.

7. THE CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE DEPARTMENT AND ITS INSPECTORS, OFFICERS, EMPLOYEES AND AGENTS, AGAINST ALL CLAIMS ARISING FROM ANY INJURY OR DEATH TO ANY OF ITS OFFICERS, EMPLOYEES, WORKERS, TRESPASSERS, LICENSEES, INVITEES AND ALL OTHER PERSONS IN, ON OR EXTENDING FROM THE CONSTRUCTION AREA OF THE HIGHWAY IMPROVEMENTS OR FROM ANY DAMAGE TO OR LOSS OF PROPERTY OF ANY THIRD PARTY AS A RESULT OF ANY ACT, OMISSION, NEGLIGENCE OR DEFAULT OF THE CONTRACTOR OR ANY SUBCONTRACTOR THEREUNDER, ITS AND THEIR OFFICERS, AGENTS AND EMPLOYEES, INCLUDING REASONABLE ATTORNEY'S FEES. THIS INDEMNIFICATION PROVISION SHALL NOT APPLY TO ANY INJURY OR DEATH OF ANY PERSON OR TO ANY DAMAGE TO OR LOSS OF PROPERTY OF ANY THIRD PARTY OCCURRING AFTER THE COMPLETION OF WORK UNDER THIS AGREEMENT AND THE ACCEPTANCE THEREOF BY THE DEPARTMENT. ANY DEATH OCCURRING AFTER THE COMPLETION AND ACCEPTANCE OF SUCH WORK WHICH IS CAUSED BY AN INJURY OCCURRING PRIOR THERETO BECAUSE OF ANY ACT, OMISSION, NEGLIGENCE OR DEFAULT OF THE CONTRACTOR OR ANY SUBCONTRACTOR THEREUNDER, ITS AND THEIR OFFICERS, AGENTS AND EMPLOYEES, SHALL NOT BE EXCLUDED FROM THIS INDEMNIFICATION PROVISION SIMPLY BECAUSE SUCH DEATH OCCURRED AFTER THE COMPLETION AND ACCEPTANCE OF SUCH WORK. ACCEPTANCE OF SUCH WORK BY THE DEPARTMENT SHALL NOT RELIEVE THE CONTRACTOR OF ANY LEGAL LIABILITY TO THE DEPARTMENT FOR ANY DEFECT OR NEGLIGENCE IN THE DESIGN AND CONSTRUCTION OF THE HIGHWAY IMPROVEMENTS. NOTWITHSTANDING THE FOREGOING, NEITHER THE DEPARTMENT NOR THE CONTRACTOR WAIVES ANY STATUTORY OR COMMON-LAW DEFENSES AVAILABLE TO THEM.

8. THE DEPARTMENT SHALL RESERVE THE RIGHT TO REVOKE ITS APPROVAL TO CONSTRUCT ANY OR ALL OF THE HIGHWAY IMPROVEMENTS UPON NOTICE FOR CAUSE AT ANY TIME THAT IT DETERMINES SUCH ACTION APPROPRIATE AND IN THE BEST INTEREST OF THE PUBLIC BECAUSE OF ANY FAILURE BY THE CONTRACTOR TO COMPLY WITH THE FINAL PLANS OR STANDARD SPECIFICATIONS OR ANY OF THE OTHER TERMS OR CONDITIONS OUTLINED HERE IN. HOWEVER, IN THE INTEREST OF PUBLIC SAFETY, NOTHING IN THIS PROVISION SHALL PREVENT THE DEPARTMENT AND THE ENGINEER FROM IMMEDIATELY SUSPENDING WORK FOR CAUSE PENDING ANY NECESSARY CORRECTION BY THE CONTRACTOR.

9. UPON COMPLETION OF CONSTRUCTION, THE DEPARTMENT AND THE ENGINEER SHALL CONDUCT A FINAL INSPECTION OF ALL HIGHWAY IMPROVEMENTS TO DETERMINE ACCEPTABILITY. THE DEPARTMENT AND THE ENGINEER SHALL NOTIFY THE CONTRACTOR IF ANY ADDITIONAL WORK IS NECESSARY TO CONFORM TO THE FINAL PLANS OR STANDARD SPECIFICATIONS. UPON ACCEPTANCE, THE DEPARTMENT AND THE ENGINEER SHALL NOTIFY THE CONTRACTOR OF SUCH ACCEPTABILITY IN WRITING.

10. ALL RIGHT, TITLE AND INTEREST IN AND TO ALL EQUIPMENT, MATERIALS AND SUPPLIES WHICH BECOME A PART OF THE HIGHWAY IMPROVEMENTS SHALL VEST IN THE DEPARTMENT UPON ATTACHMENT TO THE HIGHWAY.

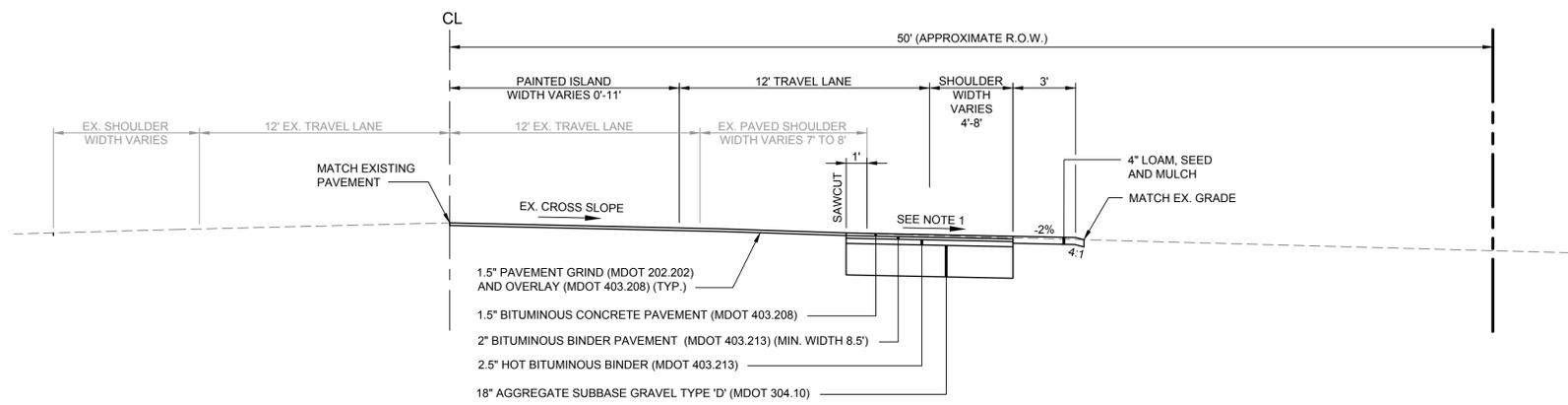
11. UPON COMPLETION OF ALL HIGHWAY IMPROVEMENTS, THE CONTRACTOR SHALL FURNISH THE DEPARTMENT AND THE ENGINEER WITH A SET OF REPRODUCIBLE "AS-BUILT" PLANS OF ARCHIVAL QUALITY SUITABLE FOR PERMANENT FILING SHOWING ALL OF THE HIGHWAY IMPROVEMENTS AS CONSTRUCTED.

12. OTHER NOTES ASSOCIATED WITH THE WORK WITHIN THE RIGHT-OF-WAY ARE CONTAINED ON THE INDIVIDUAL DRAWINGS.

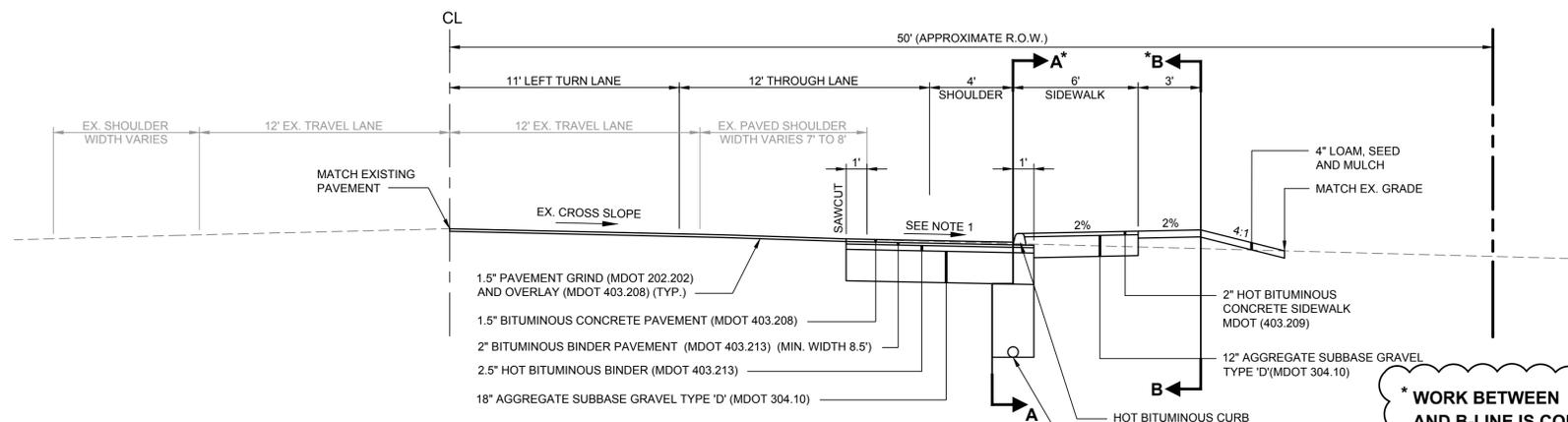
PRELIMINARY - NOT FOR CONSTRUCTION

				PROJECT STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE	
				SHEET TITLE <b>GENERAL &amp; CONTRACTOR'S NOTES</b>	
				CLIENT MSAD#72 124 PORTLAND ST. FRYEBURG, ME 04037	
5	4/14/15	REVISED PER MDOT COMMENTS		P.E. BO E. KENNEDY	
4	4/3/15	ISSUED FOR BID		LIC. # 11994	
3	3/31/15	DELINEATED BID ALT 1 - SIDEWALK WORK			
2	3/19/15	SUBMITTED TO MDOT FOR REVIEW			
1	3/19/15	SUBMITTED TO UTILITY COMPANIES FOR REVIEW			
REV	DATE	DESCRIPTION			
REVISIONS					
				DRAWN: DB DATE: MARCH 2015	
				DESIGNED: BEK SCALE: AS NOTED	
				CHECKED: JL JOB NO. SF-M044A	
				FILE NAME: SF-M044A-GEN.dwg	
				SHEET 2	





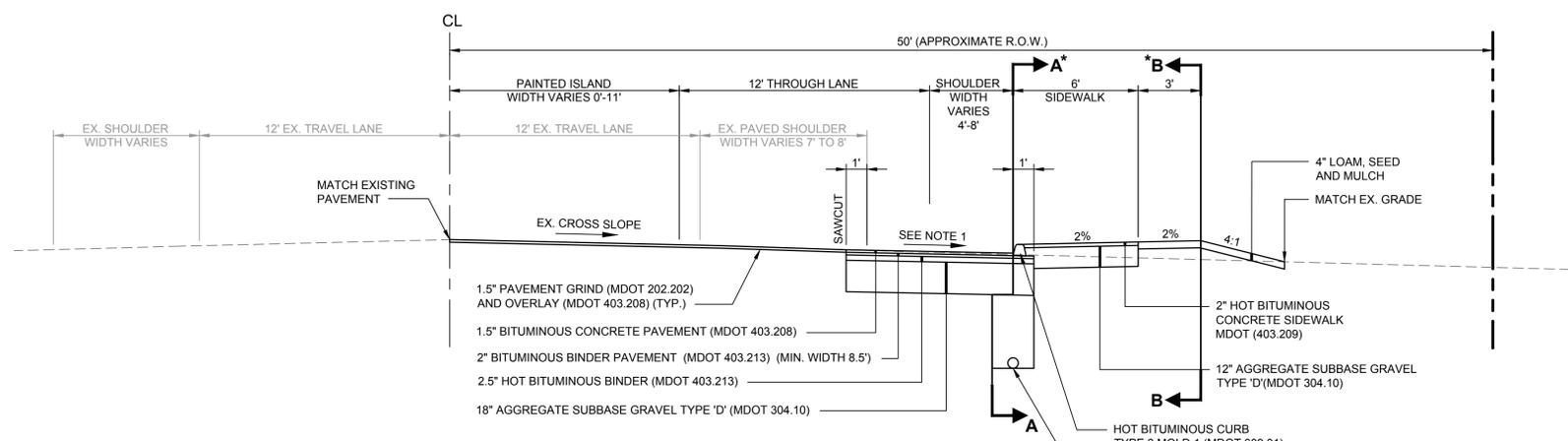
**TYPICAL SECTION**  
**STA 129+92 TO STA 132+54**  
 N.T.S.



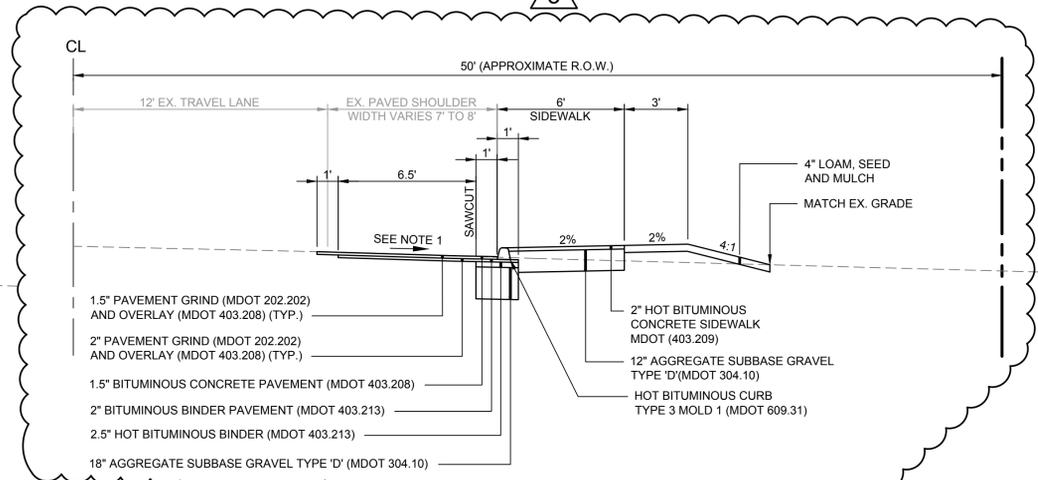
**TYPICAL SECTION**  
**STA 128+10.79 TO STA 129+50.79**  
 N.T.S.

NOTE:  
 1. MATCH EXISTING CROSS SLOPE.  
 SEE CROSS SECTIONS.

**\* WORK BETWEEN A-LINE  
 AND B-LINE IS CONSIDERED  
 PART OF BIL ALT 1**



**TYPICAL SECTION**  
**STA 124+85.78 TO STA 128+10.79**  
 N.T.S.



**TYPICAL SECTION**  
**STA 122+94 TO STA 124+85.78**  
 N.T.S.

REV	DATE	DESCRIPTION	REVISIONS
5	4/14/15	REVISED PER MDOT COMMENTS	
4	4/3/15	ISSUED FOR BID	
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PROJECT: STATE ROUTE 302  
 ROADWAY IMPROVEMENTS  
 FRYEBURG, MAINE

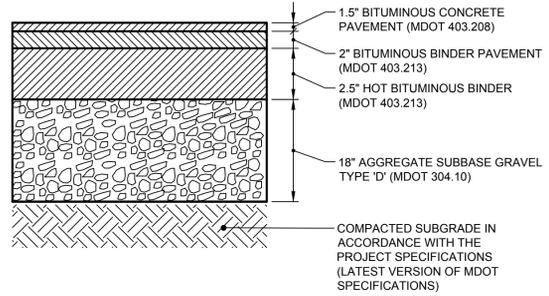
SHEET TITLE: TYPICAL SECTIONS

CLIENT: MSAD#72  
 124 PORTLAND ST.  
 FRYEBURG, ME 04037

**FST** **FAY, SPOFFORD & THORNDIKE**  
 ENGINEERS - PLANNERS - SCIENTISTS  
 778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106

DRAWN: DB DATE: MARCH 2015  
 DESIGNED: BEK SCALE: NONE  
 CHECKED: JL JOB NO. SF-M044A  
 FILE NAME: SF-M044A-TYPICALS.dwg  
 SHEET: 3

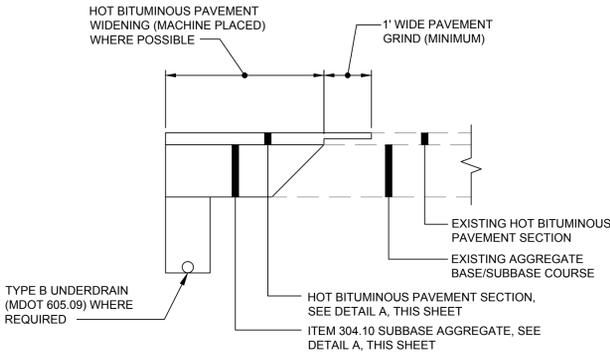
**PRELIMINARY - NOT FOR CONSTRUCTION**



**ROUTE 302  
TYPICAL BITUMINOUS  
CONCRETE PAVEMENT SECTION**  
N.T.S.

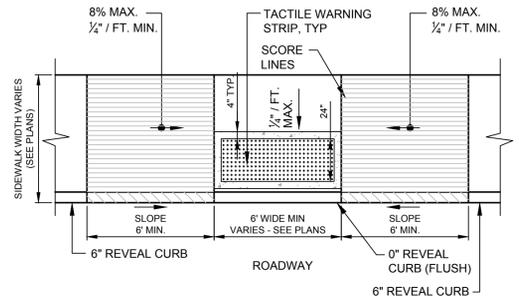
NOTE:  
REFER TO 403 SPECIAL  
PROVISION SPECIFICATION  
TO BE PROVIDED AT  
PRE-CONSTRUCTION  
MEETING.

(A)

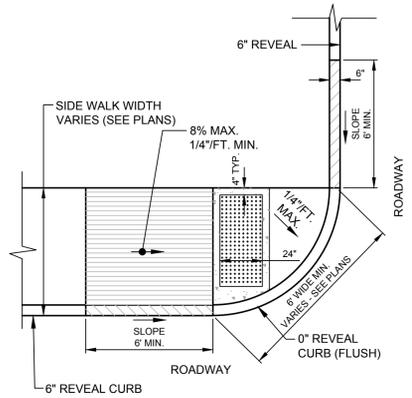


NOTE:  
ALL PAVEMENT SURFACES SHALL RECEIVE TACK COAT PRIOR TO PAVEMENT PLACEMENT.

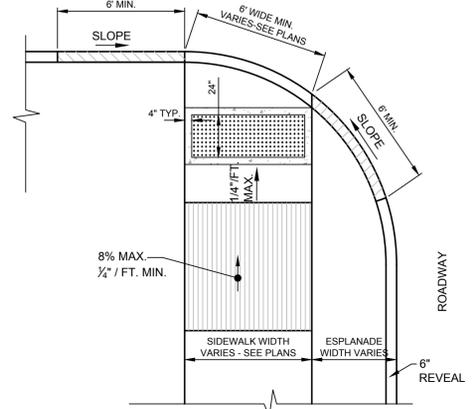
**(E) TYPICAL PAVEMENT WIDENING DETAIL**  
N.T.S.



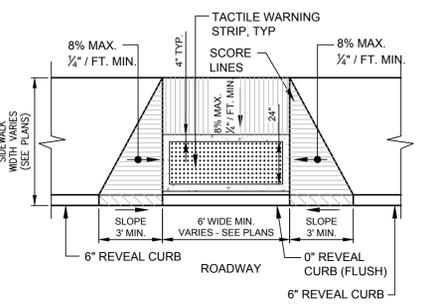
LAYOUT 1 PLAN VIEW



LAYOUT 2 PLAN VIEW



LAYOUT 5 PLAN VIEW



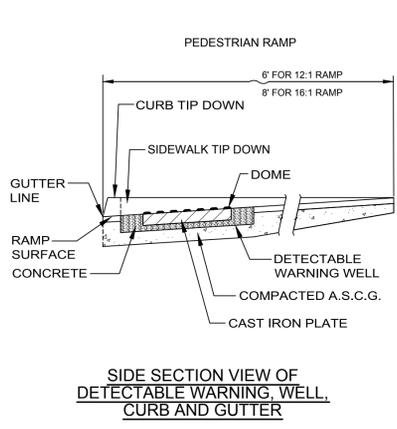
LAYOUT 6 PLAN VIEW

NOTE:

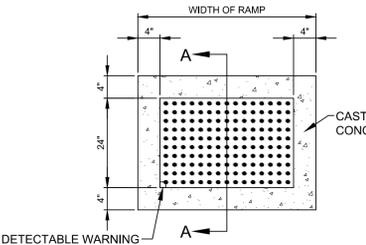
1. RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT (ADA).
2. ALL RAMPS WITHIN THE TOWN OF FRYEBURG RIGHT-OF-WAY (U.S. ROUTE 302) SHALL HAVE DETECTABLE WARNINGS THE FULL WIDTH OF THE RAMP PER SECTION 4.29 OF THE ADA. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES A DIAMETER OF 0.90 INCHES, A HEIGHT OF NOMINAL 0.20 INCHES AND A SPACING OF 2.35 INCHES CENTER TO CENTER. THESE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
3. A TACTILE WARNING STRIP IS REQUIRED WHERE RAMP ABUTS AREA USED BY MOTORIZED VEHICLES.
4. TACTILE WARNING STRIP SHALL BE INSTALLED AS CLOSE TO PERPENDICULAR TO THE TRAVELWAY AS POSSIBLE.
5. BARRIER FREE RAMPS SHALL MEET ALL MDOT STANDARD SPECIFICATIONS.
6. BARRIER FREE RAMPS SHALL BE ALL REQUIREMENTS OF THE MOST CURRENT MANUAL FOR ADA STANDARDS FOR ACCESSIBLE DESIGN.

**(A) BARRIER FREE RAMP DETAILS - BID ALT 1**  
N.T.S.

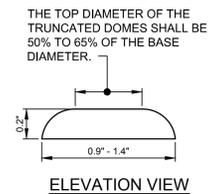
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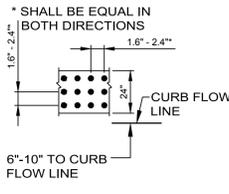
**SIDE SECTION VIEW OF  
DETECTABLE WARNING WELL,  
CURB AND GUTTER**



**PLAN VIEW OF  
DETECTABLE WARNING AND WELL**



**ELEVATION VIEW**



**PLAN VIEW**

NOTES:

1. DETECTABLE WARNING PLATES SHALL BE DURALAST CAST IRON, NATURAL FINISH, AS MANUFACTURED BY EAST JORDAN IRON WORKS, INC.
2. 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.

**(B) DETECTABLE WARNING SURFACE DETAIL - BID ALT 1**  
N.T.S.

3

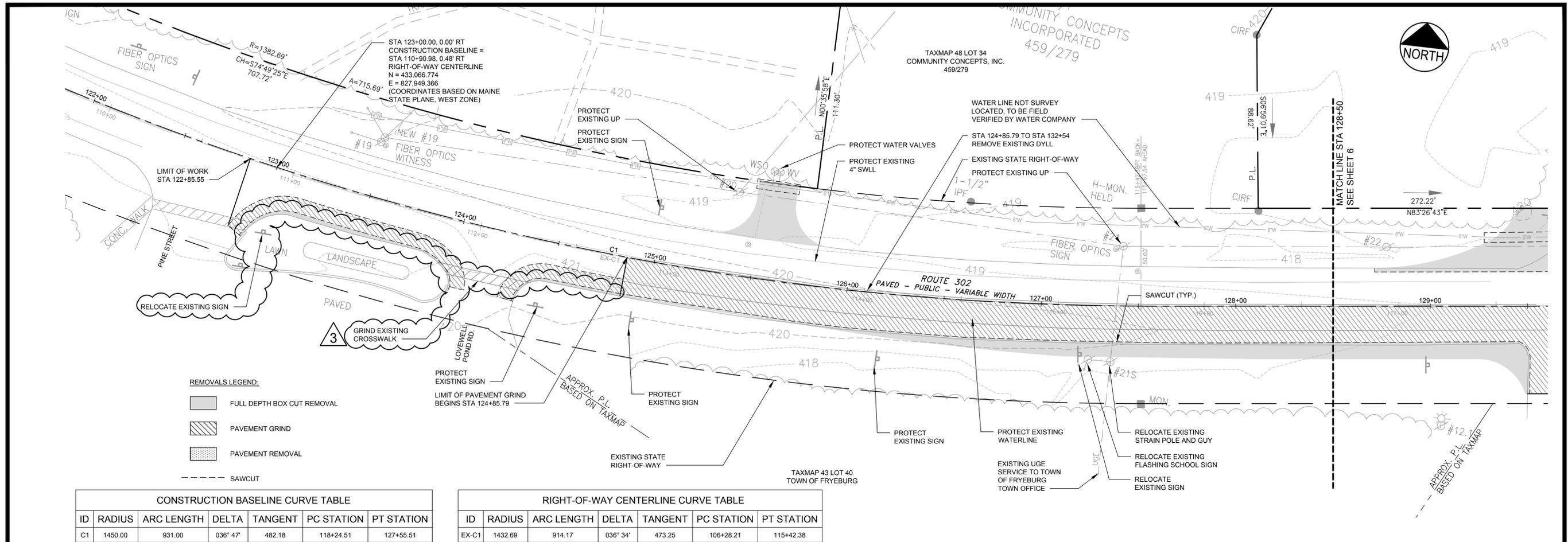
**PRELIMINARY - NOT FOR CONSTRUCTION**

PROJECT		STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE	
SHEET TITLE		DETAILS	
CLIENT		MSAD#72 124 PORTLAND ST. FRYEBURG, ME 04037	
DESIGNED		DATE: MARCH 2015	
CHECKED		SCALE: AS NOTED	
FILE NAME		JOB NO. SF-M044A	
SHEET		SF-M044A-DET.dwg	
DRAWN		4	
DESIGNED		DB	
CHECKED		BEK	
FILE NAME		SF-M044A-DET.dwg	
SHEET		4	

**FST**  
100 YEARS  
**FAY, SPOFFORD & THORNDIKE**  
ENGINEERS · PLANNERS · SCIENTISTS  
778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

REV	DATE	DESCRIPTION
5	4/14/15	REVISED PER MDOT COMMENTS
4	4/3/15	ISSUED FOR BID
3	3/31/15	DELINEATED BID ALT 1 - SIDEWALK WORK
2	3/19/15	SUBMITTED TO MDOT FOR REVIEW
1	3/19/15	SUBMITTED TO UTILITY COMPANIES FOR REVIEW

P.E. BO E. KENNEDY  
LIC. # 11994



**REMOVALS LEGEND:**

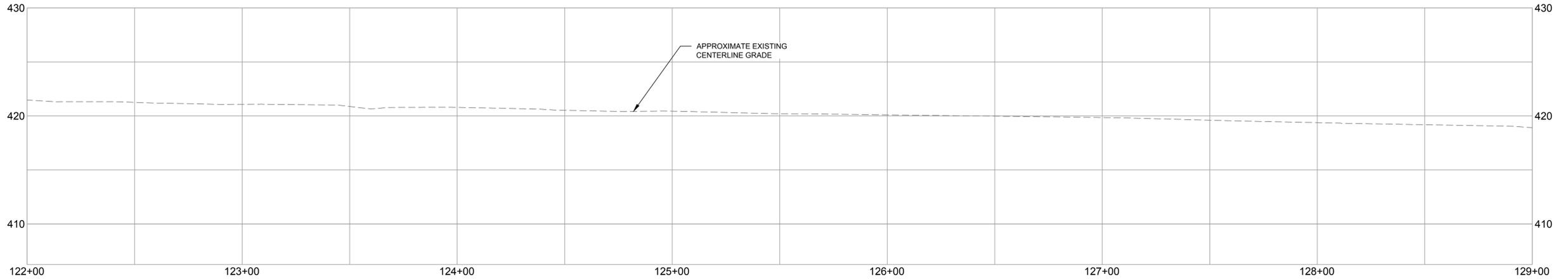
- FULL DEPTH BOX CUT REMOVAL
- PAVEMENT GRIND
- PAVEMENT REMOVAL
- SAWCUT

CONSTRUCTION BASELINE CURVE TABLE						
ID	RADIUS	ARC LENGTH	DELTA	TANGENT	PC STATION	PT STATION
C1	1450.00	931.00	036° 47'	482.18	118+24.51	127+55.51

RIGHT-OF-WAY CENTERLINE CURVE TABLE						
ID	RADIUS	ARC LENGTH	DELTA	TANGENT	PC STATION	PT STATION
EX-C1	1432.69	914.17	036° 34'	473.25	106+28.21	115+42.38

NOTE:  
CONSTRUCTION BASELINE ALIGNMENT AND STATIONS WAS PREPARED BY FST AND APPROVED BY MDT ON OCTOBER 9, 2014. THIS IS NOT CONSISTENT WITH THE RIGHT-OF-WAY CENTERLINE STATIONS REFERENCED IN THE BASE RIGHT-OF-WAY MAP REFERENCED ON THE COVER SHEET.

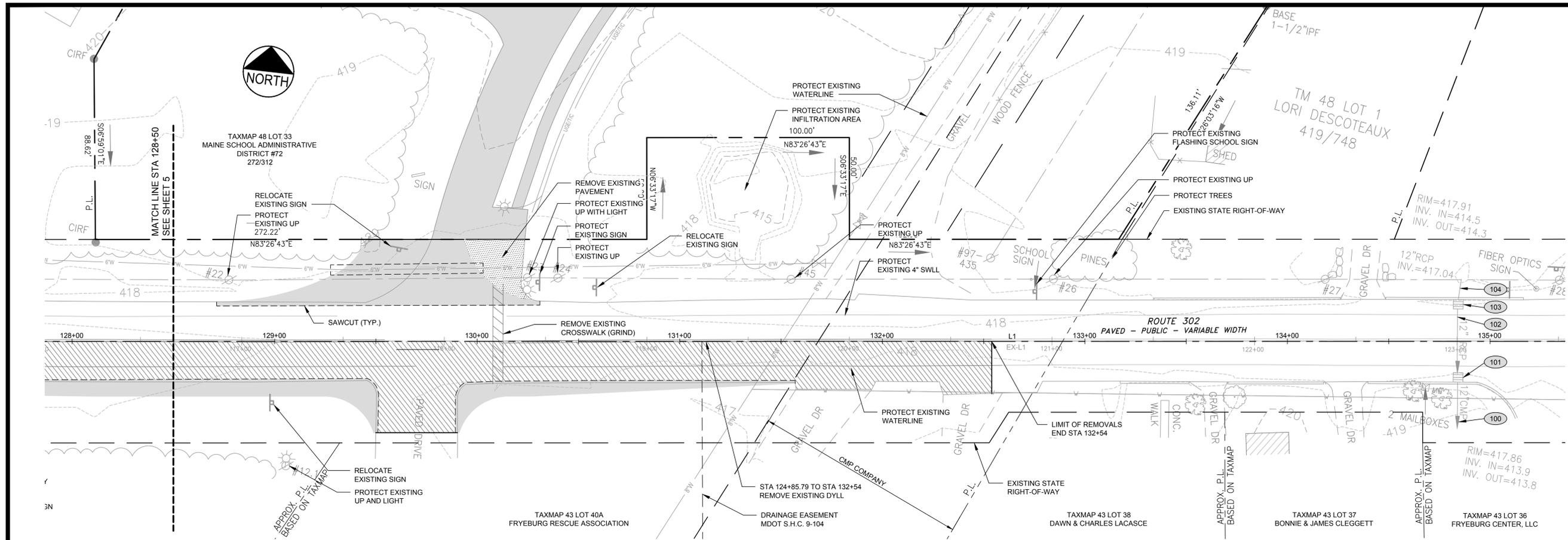
**EXISTING CONDITIONS AND REMOVALS PLAN**  
SCALE: 1" = 25'



**EXISTING CONDITIONS AND REMOVALS PROFILE**  
SCALE: 1" = 25' HORIZ., 1" = 5' VERT.

**PRELIMINARY - NOT FOR CONSTRUCTION**

PROJECT STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE			<b>FAY, SPOFFORD &amp; THORNDIKE</b> ENGINEERS · PLANNERS · SCIENTISTS 778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106																		
SHEET TITLE <b>EXISTING CONDITIONS AND REMOVALS</b>																					
CLIENT MSAD#72 124 PORTLAND ST. FRYEBURG, ME 04037			DRAWN: DB DESIGNED: BEK CHECKED: JL FILE NAME: SF-M044A-EC-REMOVALS.dwg SHEET 5																		
REVISIONS <table border="1"> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>5</td> <td>4/14/15</td> <td>REVISED PER MDT COMMENTS</td> </tr> <tr> <td>4</td> <td>4/3/15</td> <td>ISSUED FOR BID</td> </tr> <tr> <td>3</td> <td>3/31/15</td> <td>DELINEATED BID ALT 1 - SIDEWALK WORK</td> </tr> <tr> <td>2</td> <td>3/19/15</td> <td>SUBMITTED TO MDT FOR REVIEW</td> </tr> <tr> <td>1</td> <td>3/19/15</td> <td>SUBMITTED TO UTILITY COMPANIES FOR REVIEW</td> </tr> </table>			REV	DATE	DESCRIPTION	5	4/14/15	REVISED PER MDT COMMENTS	4	4/3/15	ISSUED FOR BID	3	3/31/15	DELINEATED BID ALT 1 - SIDEWALK WORK	2	3/19/15	SUBMITTED TO MDT FOR REVIEW	1	3/19/15	SUBMITTED TO UTILITY COMPANIES FOR REVIEW	P.E. BO E. KENNEDY LIC. # 11994
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DATE: MARCH 2015 SCALE: 1" = 25' JOB NO. SF-M044A																					



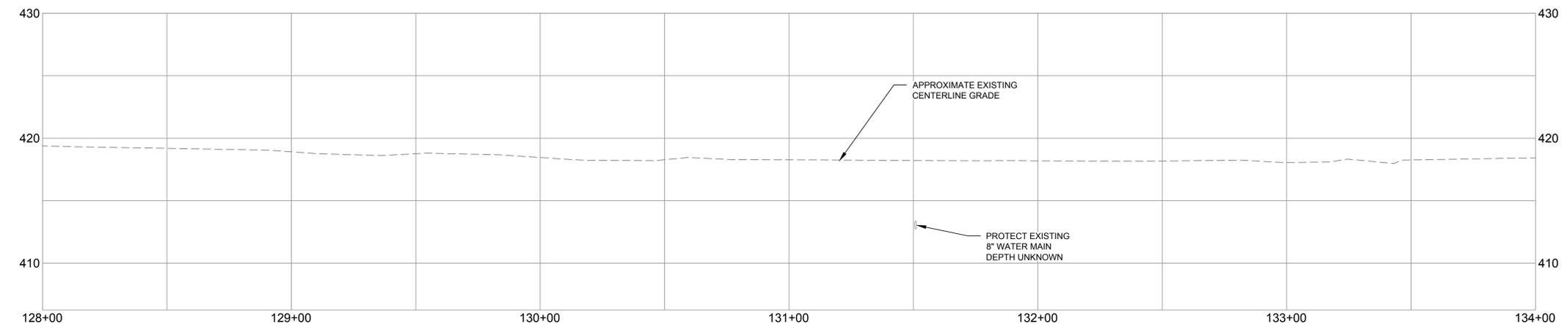
**EXISTING CONDITIONS AND REMOVALS PLAN**  
SCALE: 1" = 25'

**EXISTING STORM DRAINAGE NOTES:**

- 100 STA 134+84.2, 17.7' RT TO STA UNKNOWN  
12" CMP, INV IN = 413.80, INV OUT = 413.30, L = 168.90
- 101 STA 134+84.2, 17.7' RT  
4'-0" Ø CATCH BASIN, RIM = 417.86
- 102 STA 134+84.3, 18.2' LT TO STA 134+84.2, 17.7' RT  
12" RCP, INV IN = 414.30, INV OUT = 413.90, L = 35.90', S = 0.0111
- 103 STA 134+84.3, 18.2' LT  
4'-0" Ø CATCH BASIN, RIM = 417.91
- 104 STA 134+85.8, 30.6' LT TO STA 134+84.3, 18.2' LT  
12" RCP, INV IN = 417.04, INV OUT = 414.50, L = 12.40', S = 0.2048

**REMOVALS LEGEND:**

- FULL DEPTH BOX CUT REMOVAL
- PAVEMENT GRIND
- PAVEMENT REMOVAL
- SAWCUT



**EXISTING CONDITIONS AND REMOVALS PROFILE**  
SCALE: 1" = 25' HORIZ., 1" = 5' VERT.

CONSTRUCTION BASELINE LINE TABLE		
ID	LENGTH	DIRECTION
L1	1244.49	N83° 27' 23.03"E

RIGHT-OF-WAY CENTERLINE LINE TABLE		
ID	LENGTH	DIRECTION
EX-L1	967.54	N83° 26' 43"E

NOTE:  
CONSTRUCTION BASELINE ALIGNMENT AND STATIONS WAS PREPARED BY FST AND APPROVED BY MDOT ON OCTOBER 9, 2014. THIS IS NOT CONSISTENT WITH THE RIGHT-OF-WAY CENTERLINE STATIONS REFERENCED IN THE BASE RIGHT-OF-WAY MAP REFERENCED ON THE COVER SHEET.

**PRELIMINARY - NOT FOR CONSTRUCTION**

REV	DATE	DESCRIPTION	REVISIONS
5	4/14/15	REVISED PER MDOT COMMENTS	
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PROJECT	STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE
SHEET TITLE	EXISTING CONDITIONS AND REMOVALS
CLIENT	MSAD#72 124 PORTLAND ST. FRYEBURG, ME 04037

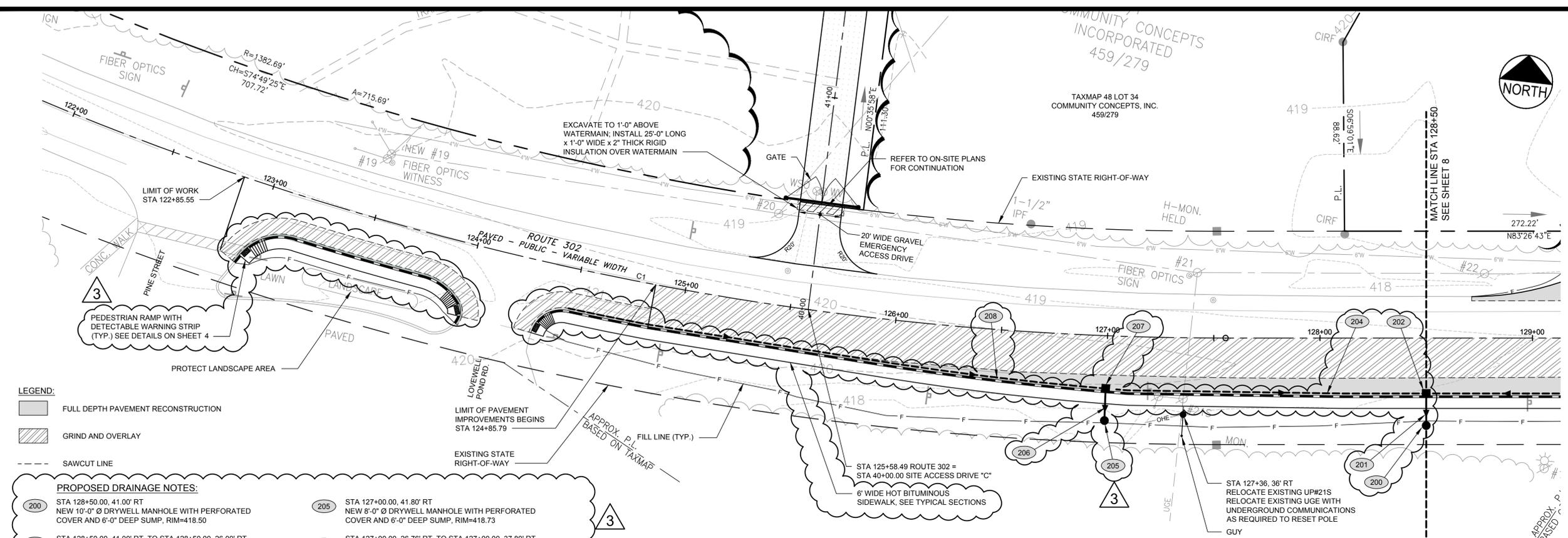
<b>FST</b> FAY, SPOFFORD & THORNDIKE ENGINEERS · PLANNERS · SCIENTISTS 778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106	
DRAWN: DB	DATE: MARCH 2015
DESIGNED: BEK	SCALE: 1" = 25'
CHECKED: JL	JOB NO. SF-M044A
FILE NAME: SF-M044A-EC-REMOVALS.dwg	
SHEET	6



COMMUNITY CONCEPTS  
INCORPORATED  
459/279

TAXMAP 48 LOT 34  
COMMUNITY CONCEPTS, INC.  
459/279

MATCH LINE STA 128+50  
SEE SHEET 8



- LEGEND:**
- FULL DEPTH PAVEMENT RECONSTRUCTION
  - GRIND AND OVERLAY
  - SAWCUT LINE

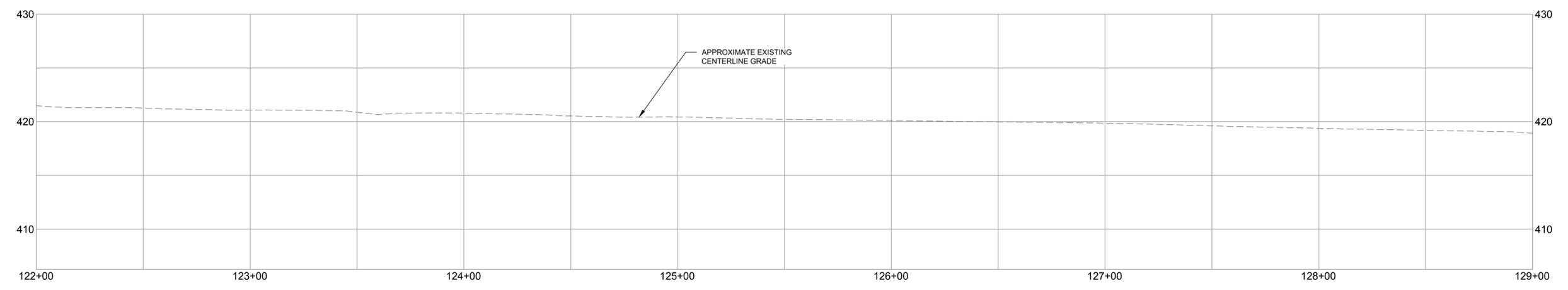
- PROPOSED DRAINAGE NOTES:**
- |   |  |
|---|--|
| <p>200 STA 128+50.00, 41.00' RT<br/>NEW 10'-0" Ø DRYWELL MANHOLE WITH PERFORATED COVER AND 6'-0" DEEP SUMP, RIM=418.50</p> <p>201 STA 128+50.00, 41.00' RT TO STA 128+50.00, 26.00' RT<br/>NEW 12" CULVERT, INV IN = 414.70, INV OUT = 414.60, L=15.00'</p> <p>202 STA 128+50.00, 26.00' RT<br/>NEW 4'-0" Ø CATCH BASIN SHAPE 1,<br/>TYPE B1 TOP WITH CASCADE GRATE, RIM=418.46<br/>INSTALL 4' DEEP MIN. SUMP AND HOODED OUTLET</p> <p>204 STA 127+03.00, 26.76' RT TO STA 128+48.00, 26.00' RT<br/>NEW 6" UNDERDRAIN, INV IN = 416.08, INV OUT = 414.80, L=145.00'</p> | <p>205 STA 127+00.00, 41.80' RT<br/>NEW 8'-0" Ø DRYWELL MANHOLE WITH PERFORATED COVER AND 6'-0" DEEP SUMP, RIM=418.73</p> <p>206 STA 127+00.00, 26.76' RT TO STA 127+00.00, 37.80' RT<br/>NEW 12" CULVERT, INV IN = 416.14, INV OUT = 416.08, L=11.04'</p> <p>207 STA 127+00.00, 24.76' RT<br/>NEW 4'-0" Ø CATCH BASIN SHAPE 1,<br/>TYPE B1 TOP WITH CASCADE GRATE, RIM=419.39<br/>INSTALL 4' DEEP MIN. SUMP AND HOODED OUTLET</p> <p>208 STA 124+48.01, 19.00' RT TO STA 126+98.00, 24.76' RT<br/>NEW 6" UNDERDRAIN, INV IN = 417.00, INV OUT = 416.24, L=151.99'</p> |
|---|--|

**CONSTRUCTION BASELINE CURVE TABLE**

ID	RADIUS	ARC LENGTH	DELTA	TANGENT	PC STATION	PT STATION
C1	1450.00	931.00	036° 47'	482.18	118+24.51	127+55.51

\*RIGHT-OF-WAY CENTERLINE IS NOT SHOWN FOR CLARITY. REFER TO SHEET 5 FOR DESCRIPTION.

**ROUTE 302 PLAN**  
SCALE: 1" = 25'

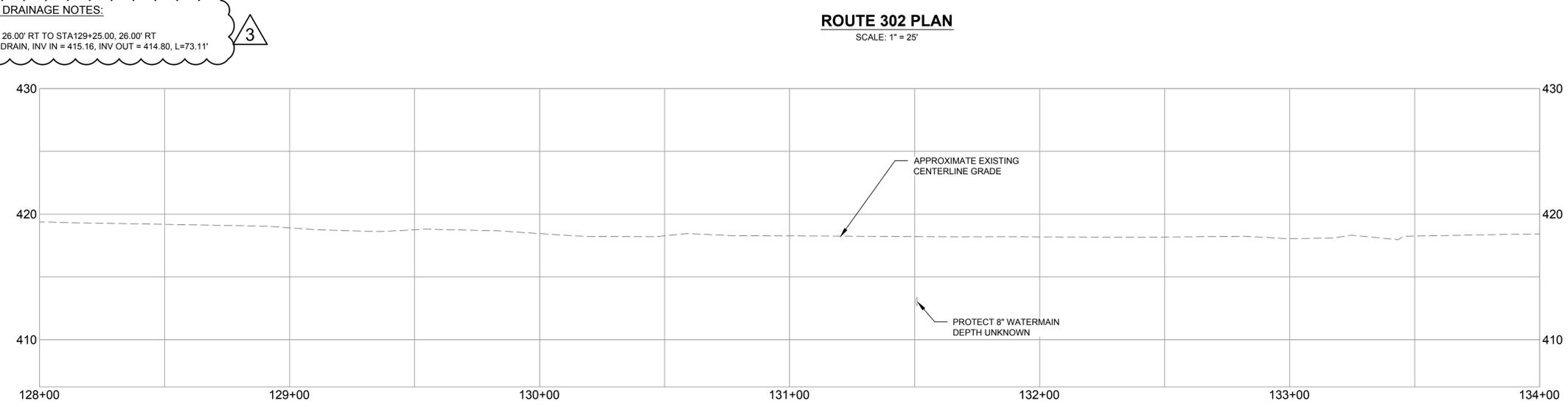
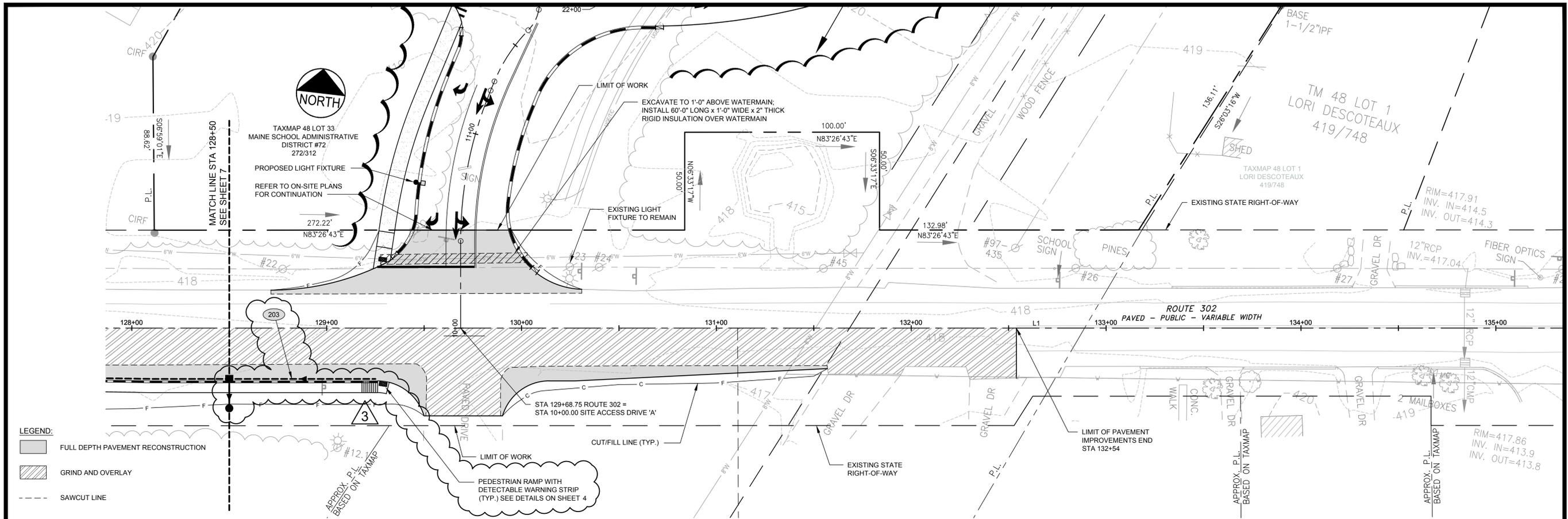


**ROUTE 302 PROFILE**  
SCALE: 1" = 25' HORIZ., 1" = 5' VERT.

PRELIMINARY - NOT FOR CONSTRUCTION

			PROJECT STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE	<b>FAY, SPOFFORD &amp; THORNDIKE</b> ENGINEERS · PLANNERS · SCIENTISTS 778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106
			SHEET TITLE <b>GENERAL IMPROVEMENTS PLAN AND PROFILE</b>	DRAWN: DB      DATE: MARCH 2015 DESIGNED: BEK      SCALE: 1" = 25' CHECKED: JL      JOB NO. SF-M044A FILE NAME: SF-M044A-PLAN-PROFILE.dwg
			CLIENT MSAD#72 124 PORTLAND ST. FRYEBURG, ME 04037	SHEET <b>7</b>
5 4/14/15 REVISED PER MDOT COMMENTS 4 4/3/15 ISSUED FOR BID 3 3/31/15 DELINEATED BID ALT 1 - SIDEWALK WORK 2 3/19/15 SUBMITTED TO MDOT FOR REVIEW 1 3/19/15 SUBMITTED TO UTILITY COMPANIES FOR REVIEW	REV DATE DESCRIPTION REVISIONS	P.E. BO E. KENNEDY LIC. # 11994		

C:\Users\CADD\Dropbox\DCS-Projects\FST\Fryeburg\dwg\SF-M044A-PLAN-PROFILE.dwg cadd 4/15/2015 12:08 PM



PRELIMINARY - NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	REVISIONS
5	4/14/15	REVISED PER MDOT COMMENTS	
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P.E. BO E. KENNEDY  
LIC. # 11994

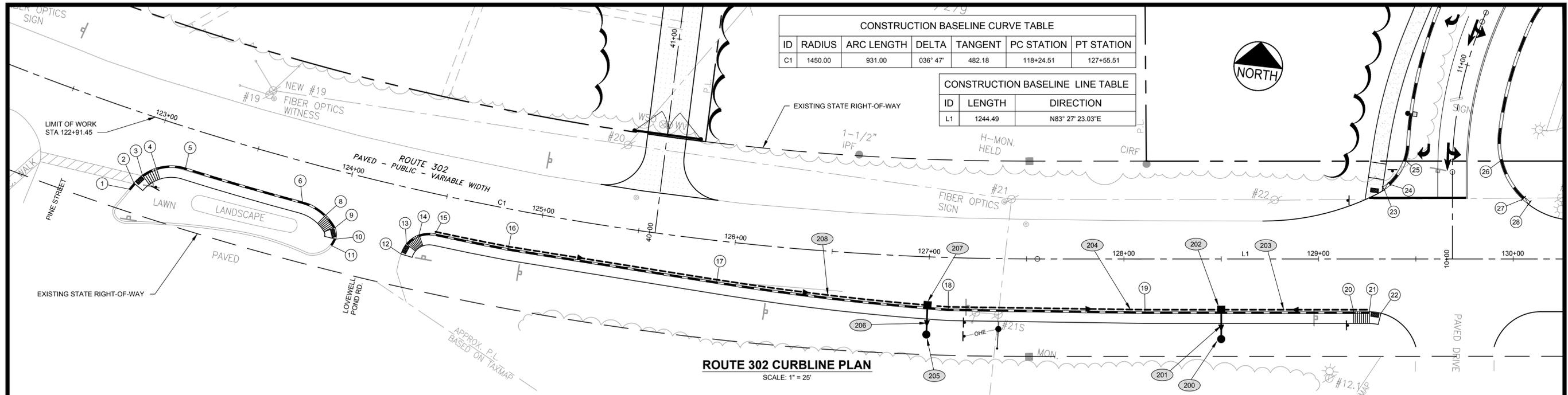
PROJECT STATE ROUTE 302  
ROADWAY IMPROVEMENTS  
FRYEBURG, MAINE

SHEET TITLE  
**GENERAL IMPROVEMENTS  
PLAN AND PROFILE**

CLIENT  
MSAD#72  
124 PORTLAND ST.  
FRYEBURG, ME 04037

**FST** FAY, SPOFFORD & THORNDIKE  
ENGINEERS · PLANNERS · SCIENTISTS  
778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106

DRAWN: DB DATE: MARCH 2015  
 DESIGNED: BEK SCALE: 1" = 25'  
 CHECKED: JL JOB NO. SF-M044A  
 FILE NAME: SF-M044A-PLAN-PROFILE.dwg  
 SHEET 8



**ROUTE 302 CURBLINE PLAN**  
SCALE: 1" = 25'

**CURB LAYOUT TABLE**

PT	STATION/OFFSET FROM	PT	STATION/OFFSET TO	LENGTH	RADIUS	CURB TYPE	COMMENTS
1	122+93.26, 39.23' RT	2	122+94.70, 35.52' RT	4.00	-	TC	
2	122+94.70, 35.52' RT	3	122+97.52, 30.27' RT	6.00	25	-	NO CURB
3	122+97.52, 30.27' RT	4	123+03.05, 24.64' RT	8.00	25	TC	
4	123+03.05, 24.64' RT	5	123+17.21, 20.00' RT	15.35	25	3	MOLD 1
5	123+17.21, 20.00' RT	6	123+78.82, 20.00' RT	62.46	1470	3	MOLD 1
6	123+78.82, 20.00' RT	8	123+92.00, 23.61' RT	14.00	27	3	MOLD 1
8	123+92.00, 23.61' RT	9	123+98.09, 28.62' RT	8.00	27	-	
9	123+98.09, 28.62' RT	10	123+99.85, 34.25' RT	6.00	10	-	NO CURB
10	123+99.85, 34.25' RT	11	123+98.81, 38.08' RT	4.00	13.3	TC	

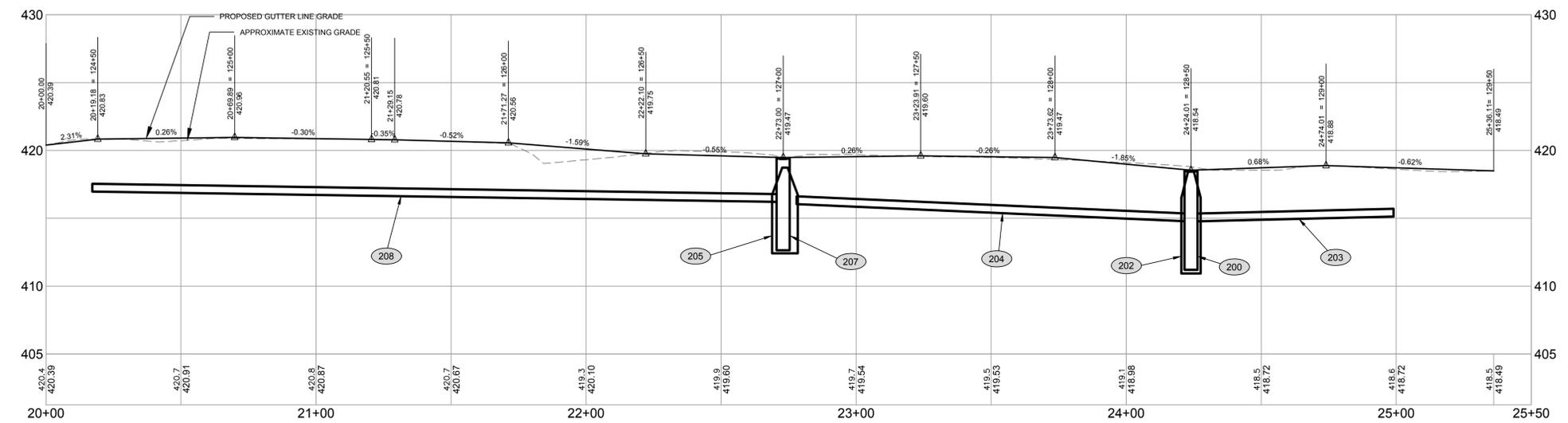
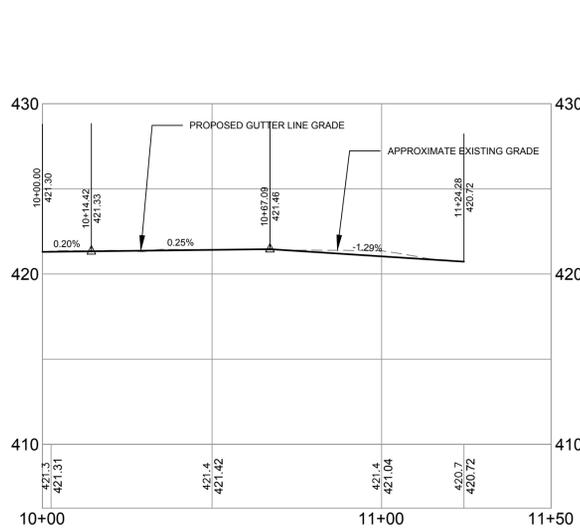
**CURB LAYOUT TABLE**

PT	STATION/OFFSET FROM	PT	STATION/OFFSET TO	LENGTH	RADIUS	CURB TYPE	COMMENTS
12	124+33.39, 33.93' RT	13	124+34.93, 28.18' RT	6.00	15	-	NO CURB
13	124+34.93, 28.18' RT	14	124+40.15, 22.32' RT	8.00	15	TC	
14	124+40.15, 22.32' RT	15	124+48.01, 20.00' RT	8.41	15	3	MOLD 1
15	124+48.01, 20.00' RT	16	124+85.79, 20.00' RT	38.30	1470	3	MOLD 1
16	124+85.79, 20.00' RT	17	125+92.77, 20.87' RT	108.47	-	3	MOLD 1
17	125+92.77, 20.87' RT	18	127+10.53, 26.24' RT	119.80	1476	3	MOLD 1
18	127+10.53, 26.24' RT	19	128+10.79, 27.00' RT	101.07	-	3	MOLD 1
19	128+10.79, 27.00' RT	20	129+18.11, 27.00' RT	107.32	-	3	MOLD 1
20	129+18.11, 27.00' RT	21	129+26.15, 27.00' RT	8.00	-	TC	
21	129+26.15, 27.00' RT	22	129+32.09, 27.76' RT	6.00	25	-	NO CURB

**CURB LAYOUT TABLE**

PT	STATION/OFFSET FROM	PT	STATION/OFFSET TO	LENGTH	RADIUS	CURB TYPE	COMMENTS
23	129+33.81, 35.45' LT	24	129+36.94, 37.94' LT	4.00	30	TC	
24	129+36.94, 37.94' LT	25	129+45.00, 50.11' LT	14.75	30	3	MOLD 1
26	129+93.28, 50.12' LT	27	130+04.82, 30.55' LT	23.00	40	3	MOLD 1
27	130+04.82, 30.55' LT	28	130+07.85, 27.99' LT	4.00	40	TC	

3 = TYPE 3 BITUMINOUS CURB  
TC = TERMINAL CURB



**BIDDING NOTE:**  
THIS PLAN IS WORK INCLUDED WITH BID ALT 1.  
BASE BID DOES NOT INCLUDE CURB,  
SIDEWALKS OR DRAINAGE.

**PRELIMINARY - NOT FOR CONSTRUCTION**

REV	DATE	DESCRIPTION	REVISIONS
5	4/14/15	REVISED PER MDOT COMMENTS	
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P.E. BO E. KENNEDY  
LIC. # 11994

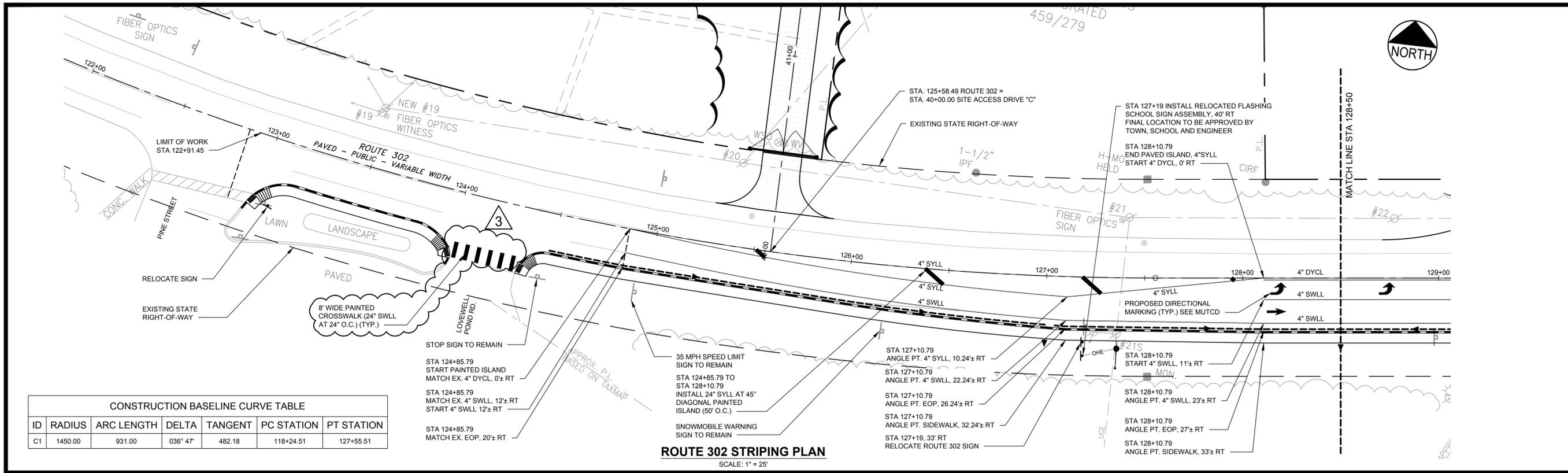
PROJECT: STATE ROUTE 302  
ROADWAY IMPROVEMENTS  
FRYEBURG, MAINE

SHEET TITLE: CURBLINE PLAN AND PROFILE

CLIENT: MSAD#72  
124 PORTLAND ST.  
FRYEBURG, ME 04037

**FST** FAY, SPOFFORD & THORNDIKE  
ENGINEERS · PLANNERS · SCIENTISTS  
778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106

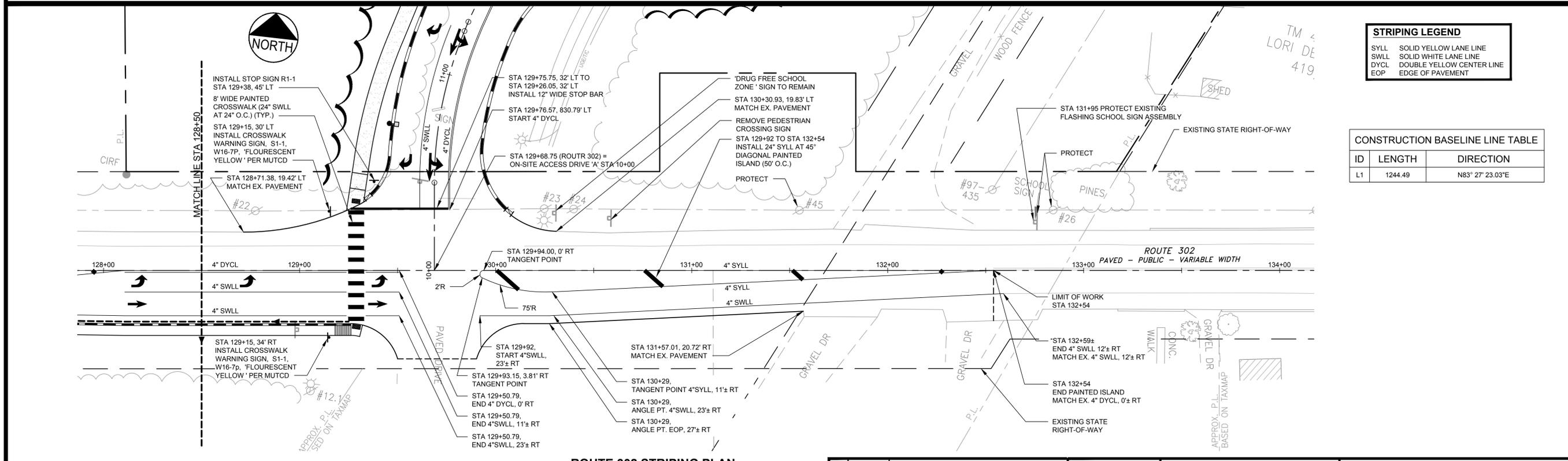
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FILE NAME: SF-M044A-CURBING.dwg  
SHEET: 9



**CONSTRUCTION BASELINE CURVE TABLE**

ID	RADIUS	ARC LENGTH	DELTA	TANGENT	PC STATION	PT STATION
C1	1450.00	931.00	036° 47'	482.18	118+24.51	127+55.51

**ROUTE 302 STRIPING PLAN**  
SCALE: 1" = 25'



**STRIPING LEGEND**

SYLL	SOLID YELLOW LANE LINE
SWLL	SOLID WHITE LANE LINE
DYCL	DOUBLE YELLOW CENTER LINE
EOP	EDGE OF PAVEMENT

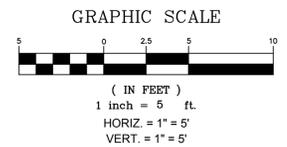
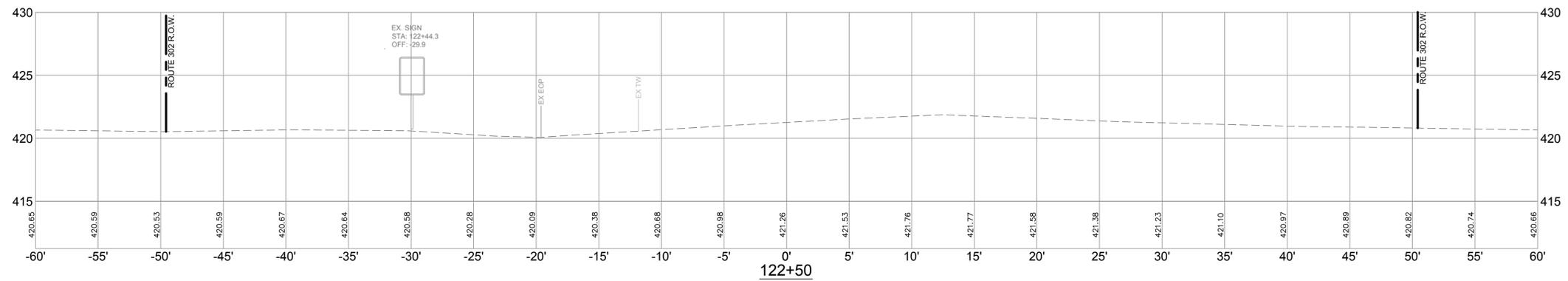
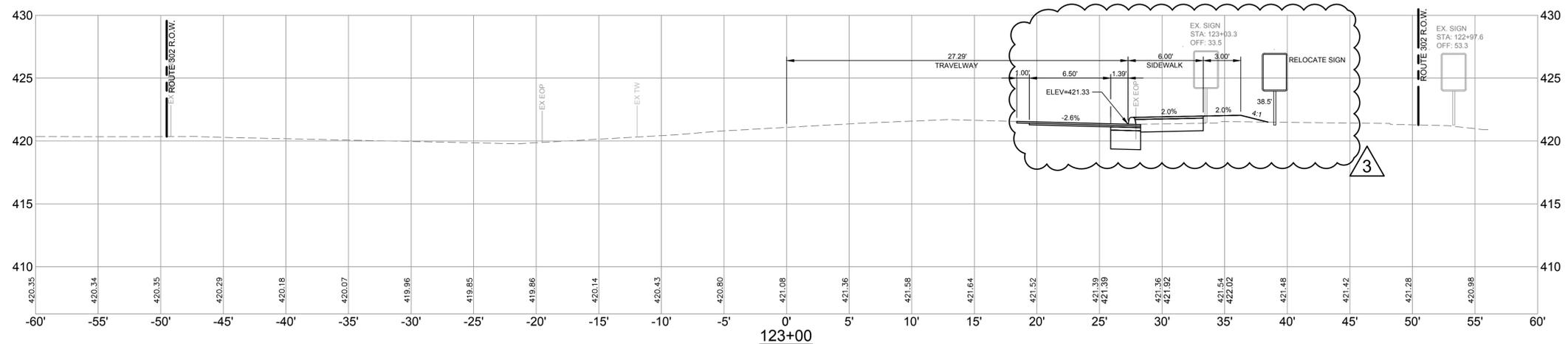
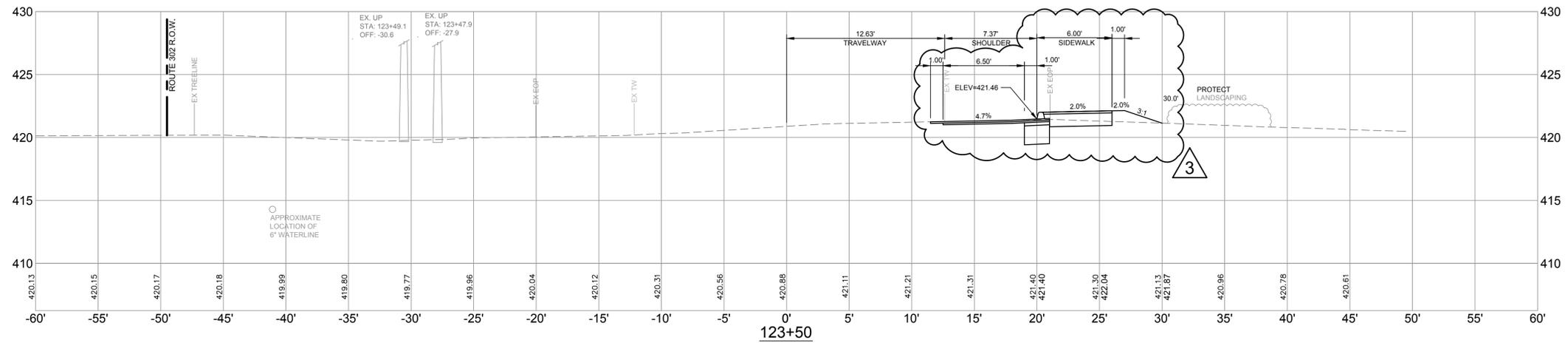
**CONSTRUCTION BASELINE LINE TABLE**

ID	LENGTH	DIRECTION
L1	1244.49	N83° 27' 23.03"E

**ROUTE 302 STRIPING PLAN**  
SCALE: 1" = 25'

**PRELIMINARY - NOT FOR CONSTRUCTION**

PROJECT: STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE			<b>FAY, SPOFFORD &amp; THORNDIKE</b> ENGINEERS - PLANNERS - SCIENTISTS 778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106																			
SHEET TITLE: ROADWAY LAYOUT, SIGNAGE AND STRIPING PLAN			DRAWN: DB DATE: MARCH 2015 DESIGNED: BEK SCALE: 1" = 25' CHECKED: JL JOB NO. SF-M044A FILE NAME: SF-M044A-STRIPING.dwg																			
CLIENT: MSAD#72 124 PORTLAND ST. FRYEBURG, ME 04037			P.E. BO E. KENNEDY LIC. # 11994																			
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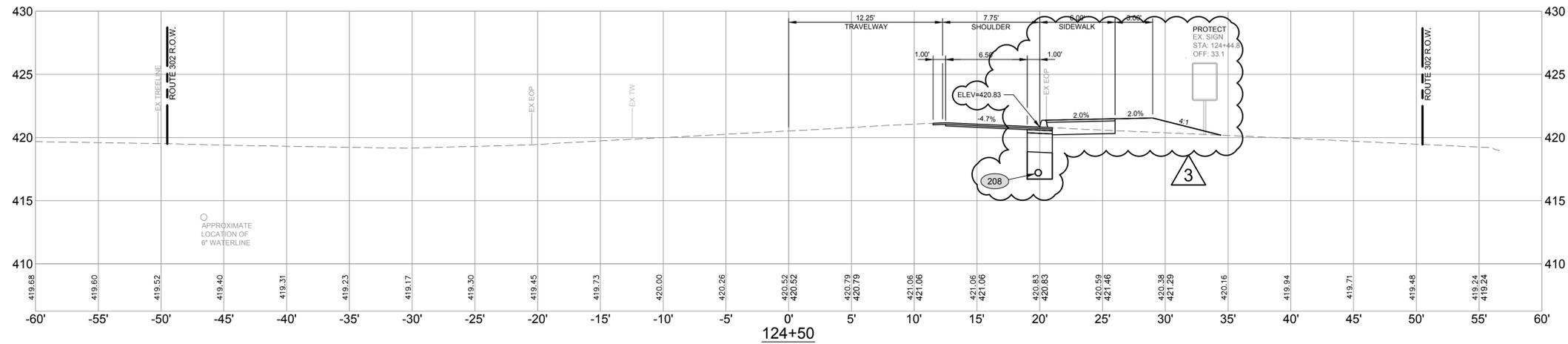


REV	DATE	DESCRIPTION
5	4/14/15	REVISED PER MDOT COMMENTS
4	4/3/15	ISSUED FOR BID
3	3/31/15	DELINEATED BID ALT 1 - SIDEWALK WORK
2	3/19/15	SUBMITTED TO MDOT FOR REVIEW
1	3/19/15	SUBMITTED TO UTILITY COMPANIES FOR REVIEW

**FST** 105 YEARS  
**FAY, SPOFFORD & THORNDIKE, INC.**  
 ENGINEERS · PLANNERS · SCIENTISTS  
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JOB NO.  
SF-M044A

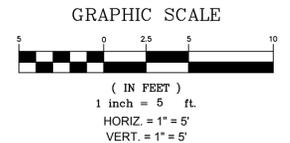
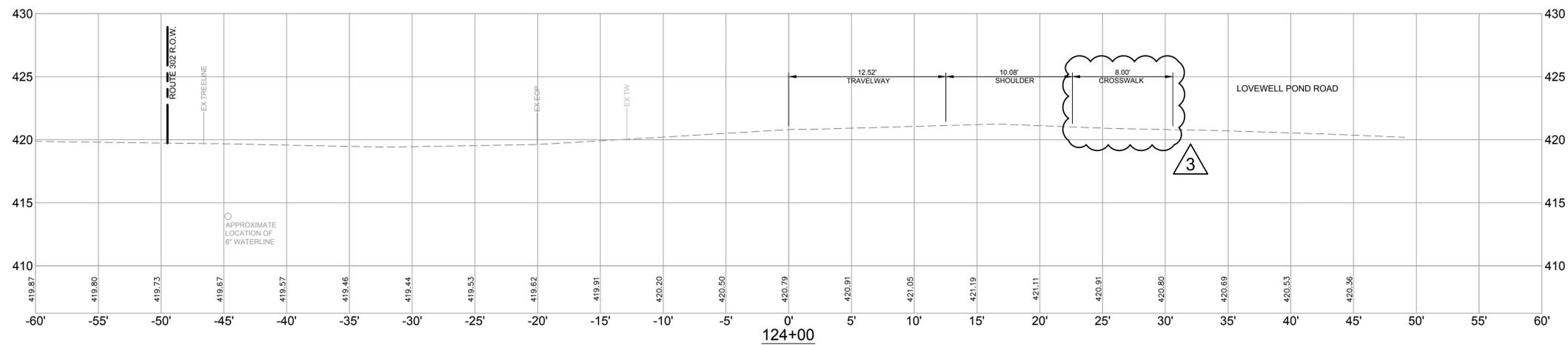
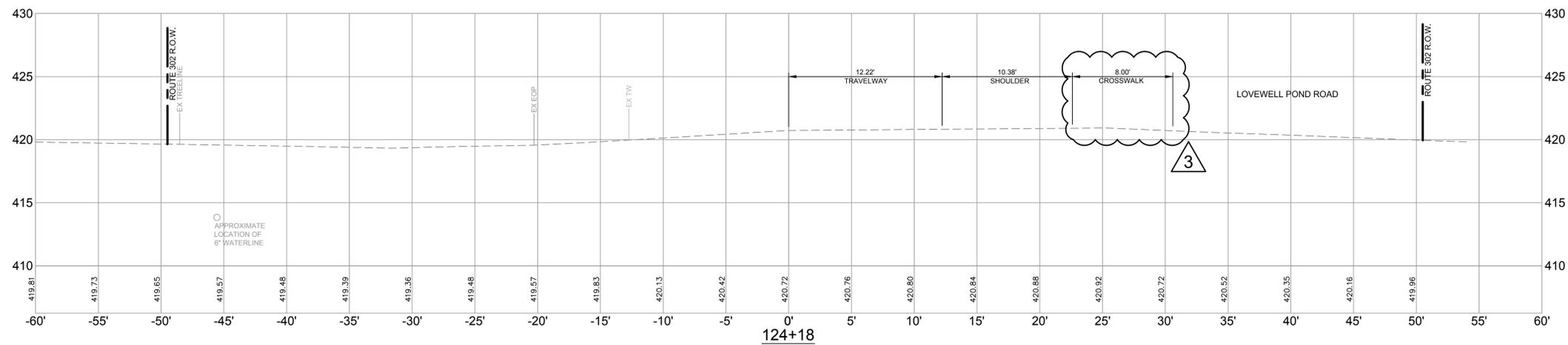
SHEET  
11



**PROPOSED DRAINAGE NOTES:**

208 STA 124+48.01, 19.00' RT TO STA 126+98.00, 24.76' RT  
 NEW 6" UNDERDRAIN, INV IN = 417.00, INV OUT = 416.24, L=151.99'

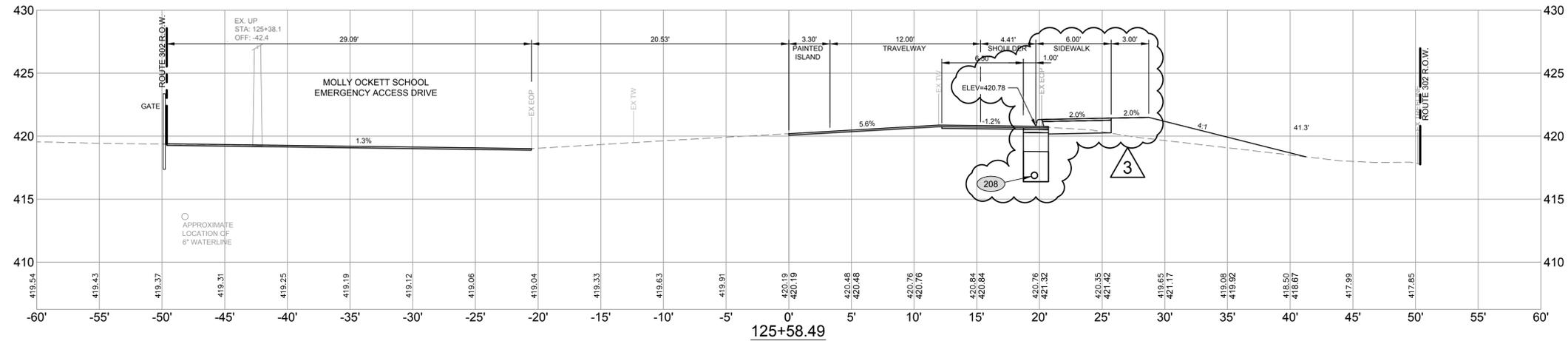
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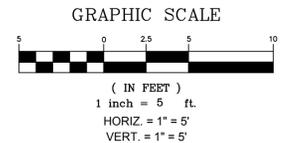
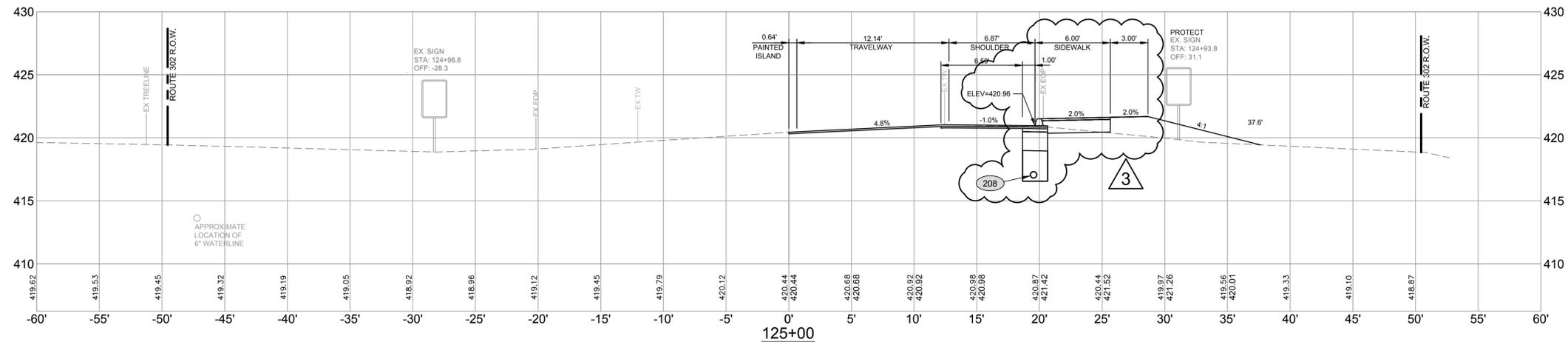
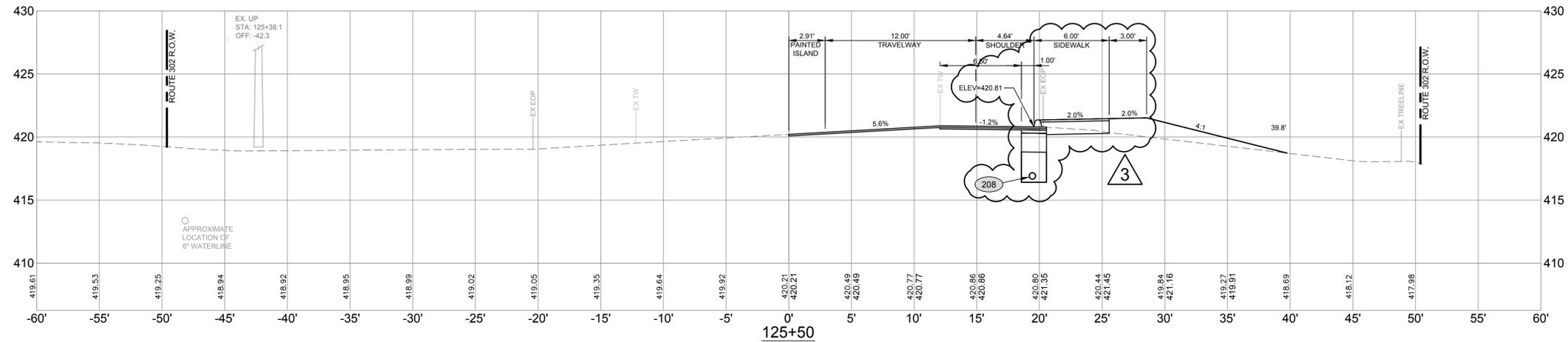
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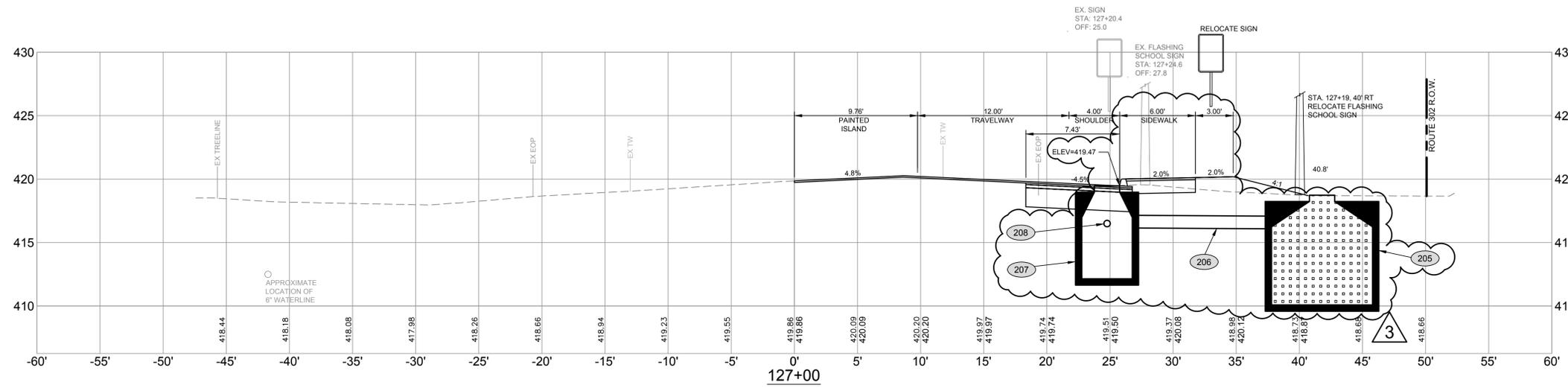
**PROPOSED DRAINAGE NOTES:**  
 (208) STA 124+48.01, 19.00' RT TO STA 126+98.00, 24.76' RT  
 NEW 6" UNDERDRAIN, INV IN = 416.00, INV OUT = 416.24, L=151.99'



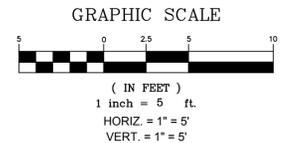
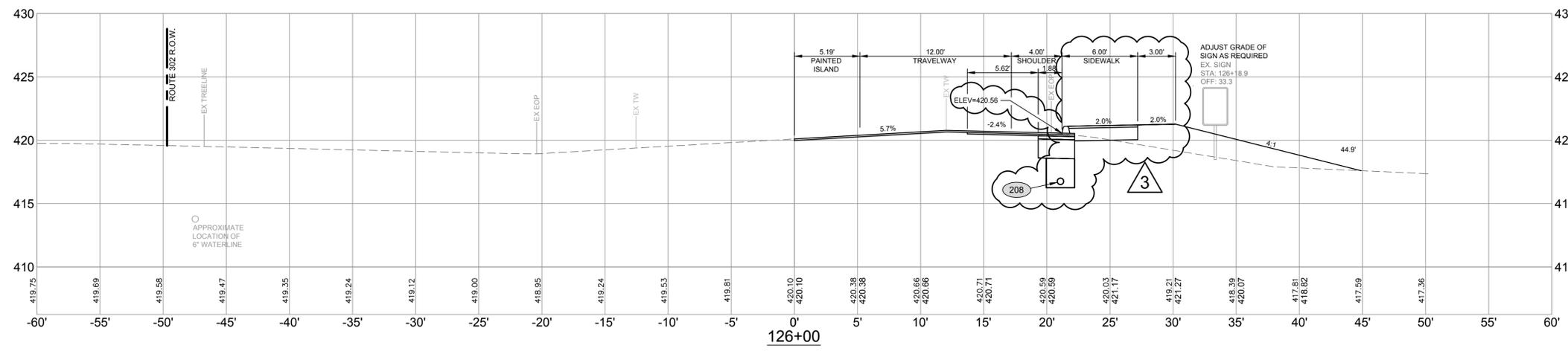
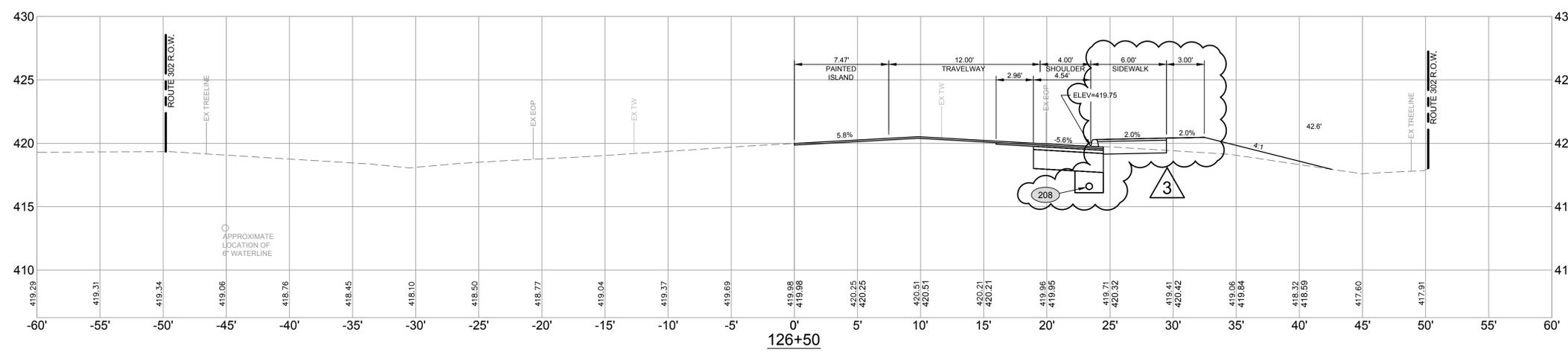
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**FST** 105 YEARS  
**FAY, SPOFFORD & THORNDIKE, INC.**  
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- PROPOSED DRAINAGE NOTES:**
- (205) STA 127+00.00, 41.80' RT  
NEW 8'-0" Ø DRYWELL MANHOLE  
WITH 6'-0" DEEP SUMP, RIM=418.73
  - (206) STA 127+00.00, 26.76' RT TO STA 127+00.00, 37.80' RT  
NEW 12" CULVERT, INV IN = 416.14, INV OUT = 416.08, L=11.04'
  - (207) STA 127+00.00, 24.76' RT  
NEW 4'-0" Ø CATCH BASIN SHAPE 1,  
TYPE B1 TOP WITH CASCADE GRATE, RIM=419.39  
INSTALL 4' DEEP MIN. SUMP AND HOODED OUTLET
  - (208) STA 124+48.01, 19.00' RT TO STA 126+98.00, 24.76' RT  
NEW 6" UNDERDRAIN, INV IN = 417.00, INV OUT = 416.24, L=151.99'

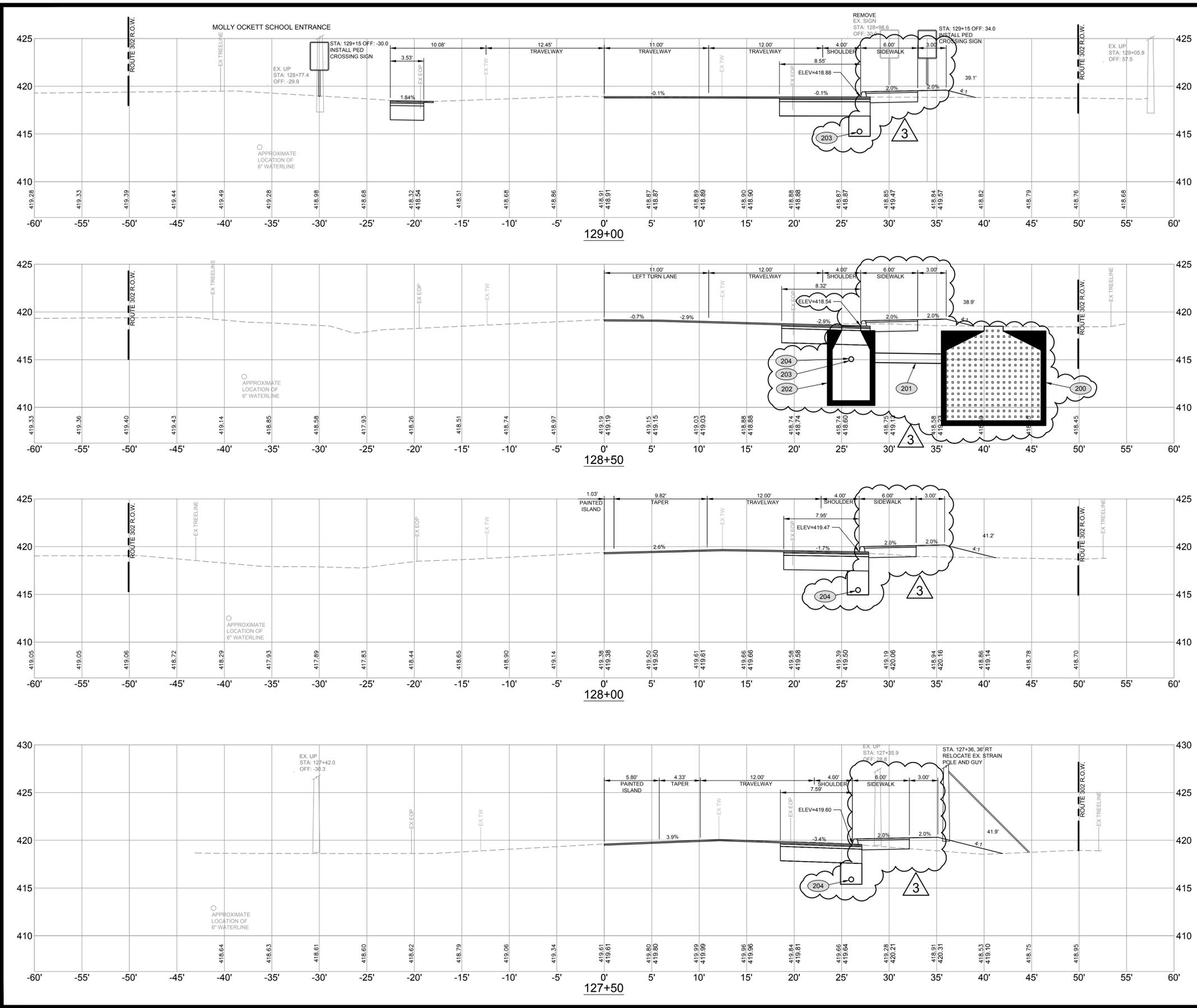


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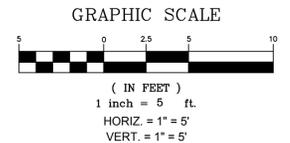
**FST** 105 YEARS  
**FAY, SPOFFORD & THORNDIKE, INC.**  
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- PROPOSED DRAINAGE NOTES:**
- (200) STA 128+50.00, 41.00' RT  
NEW 10'-0" Ø DRYWELL MANHOLE  
WITH 6'-0" DEEP SUMP, RIM=418.50
  - (201) STA 128+50.00, 41.00' RT TO STA 128+50.00, 26.00' RT  
NEW 12" CULVERT, INV IN = 414.70, INV OUT = 414.00, L=15.00'
  - (202) STA 128+50.00, 26.00' RT  
NEW 4'-0" Ø CATCH BASIN SHAPE 1,  
TYPE B1 TOP WITH CASCADE GRATE, RIM=418.46  
INSTALL 4' DEEP MIN. SUMP AND HOODED OUTLET
  - (203) STA 128+52.00, 26.00' RT TO STA 129+25.00, 26.00' RT  
NEW 6" UNDERDRAIN, INV IN = 415.16, INV OUT = 414.80, L=73.11'
  - (204) STA 127+03.00, 26.76' RT TO STA 128+48.00, 26.00' RT  
NEW 6" UNDERDRAIN, INV IN = 416.08, INV OUT = 414.80, L=145.00'

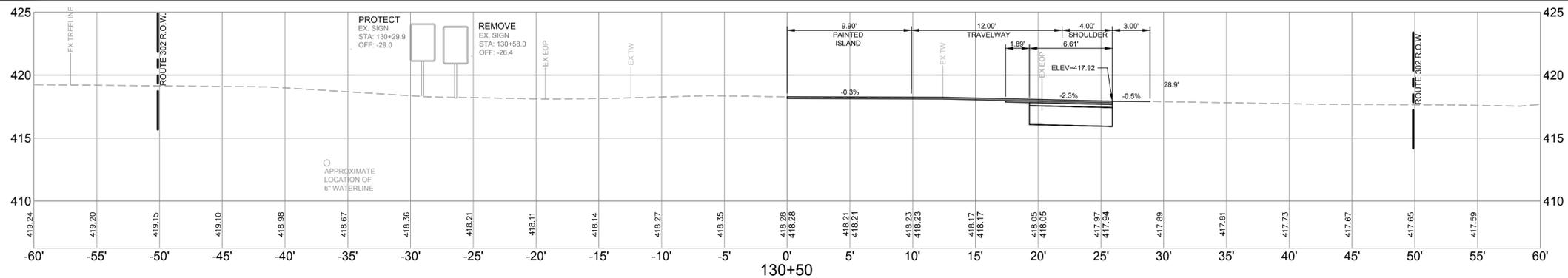


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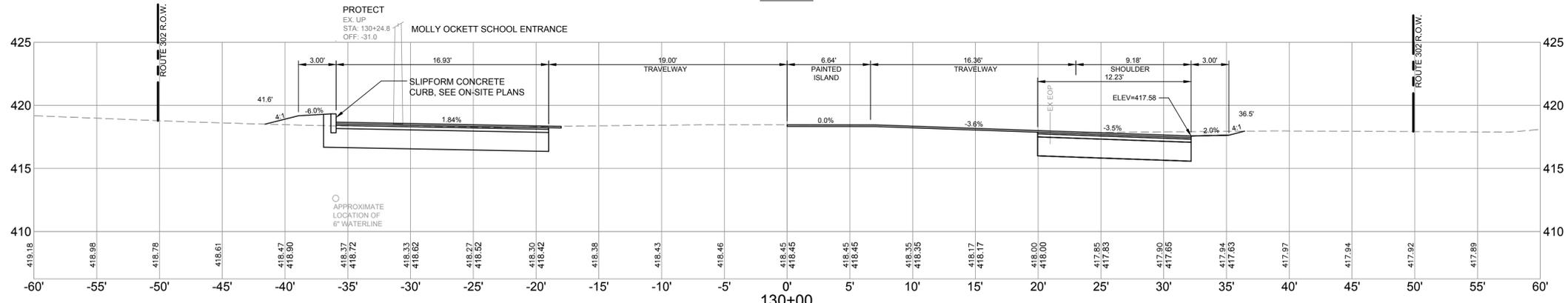
**FST** 105 YEARS  
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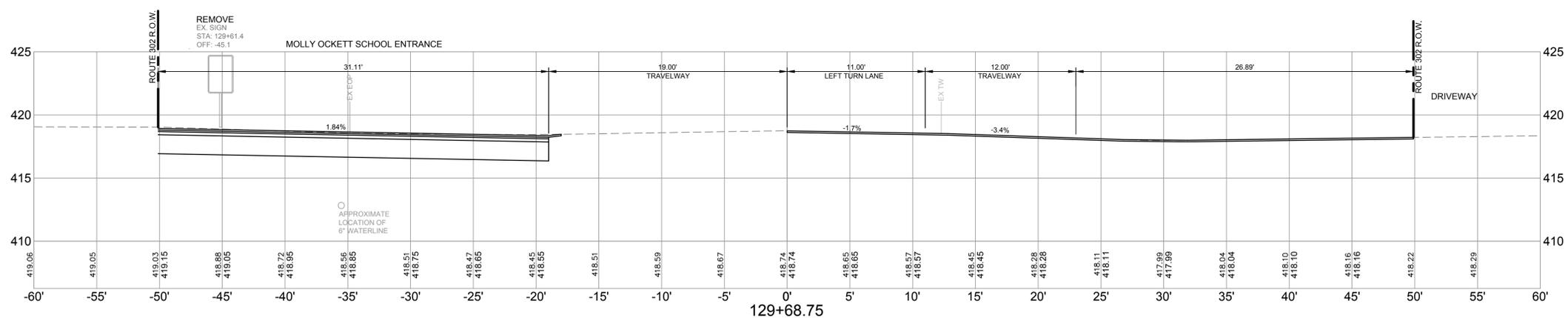
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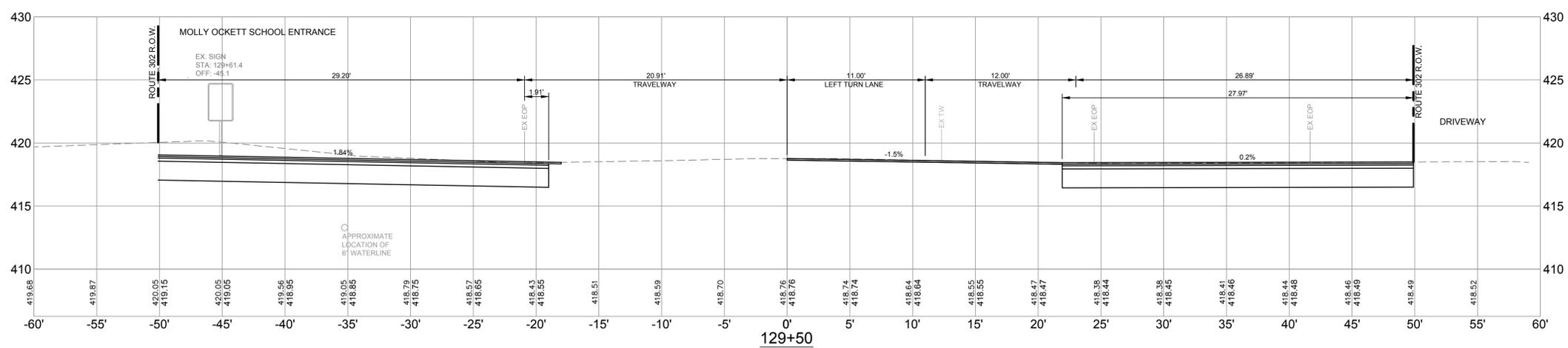
130+50



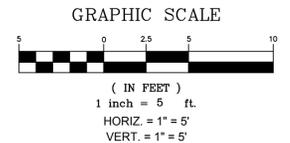
130+00



129+68.75



129+50

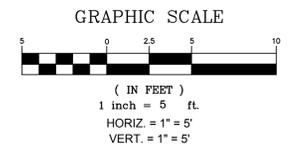
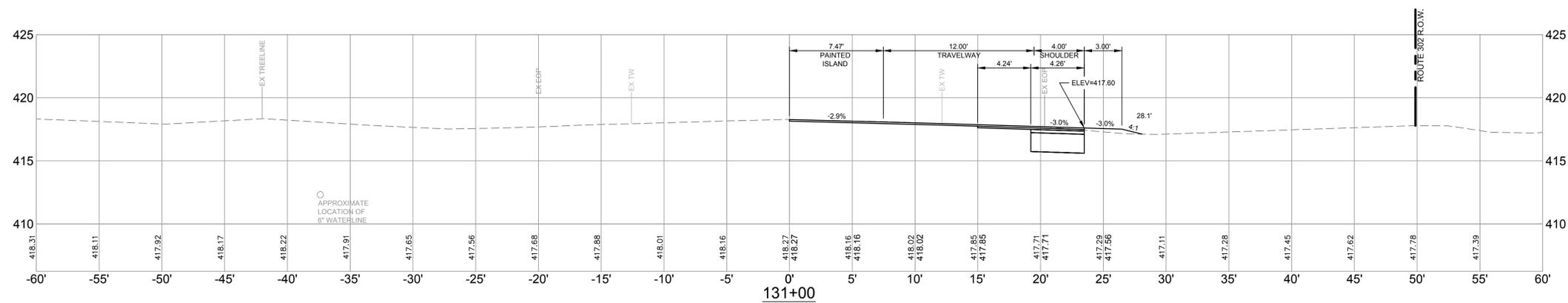
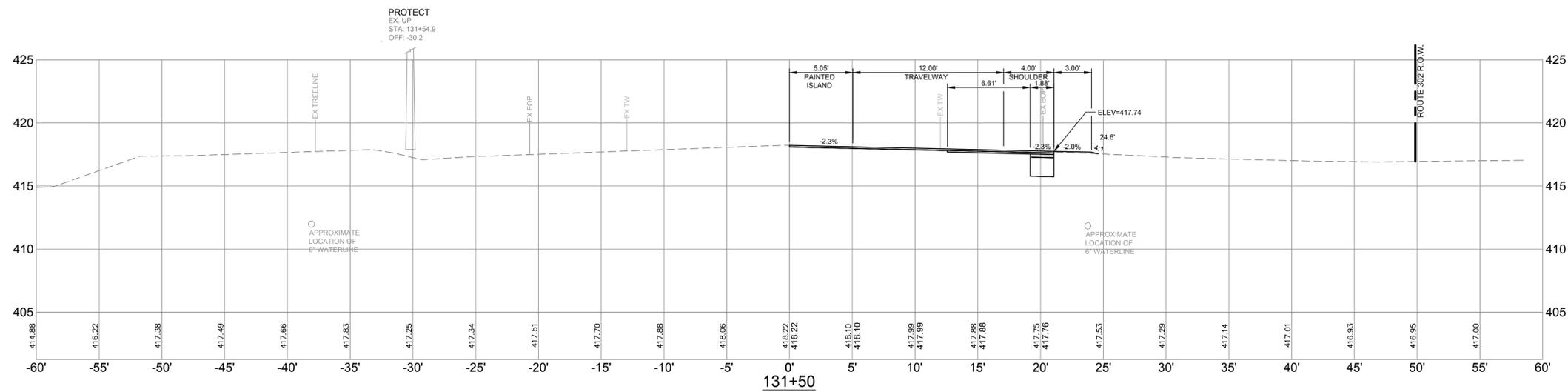
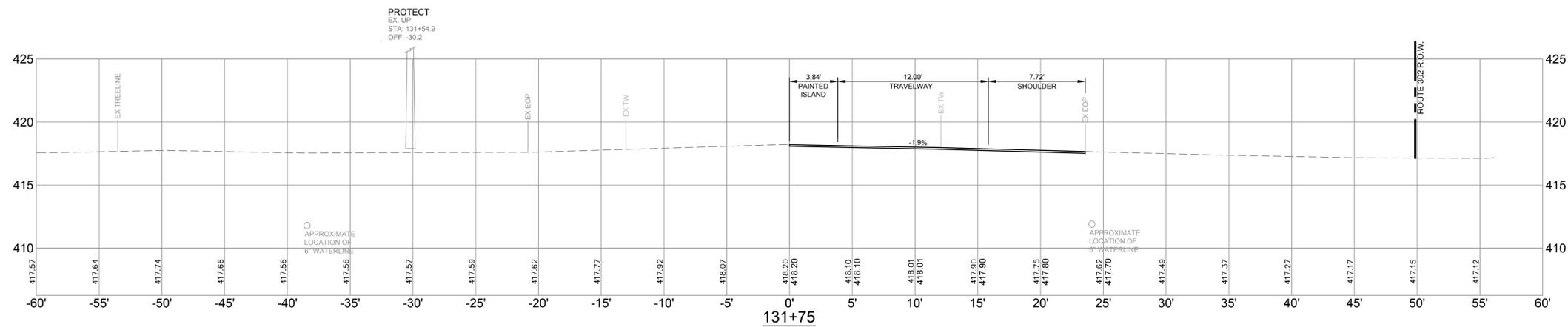


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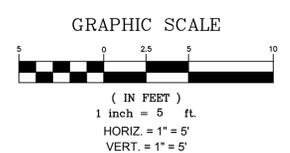
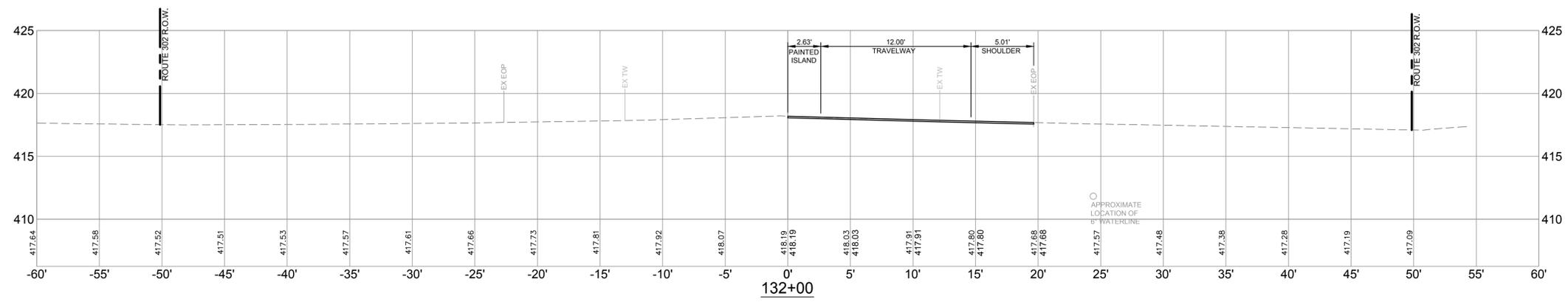
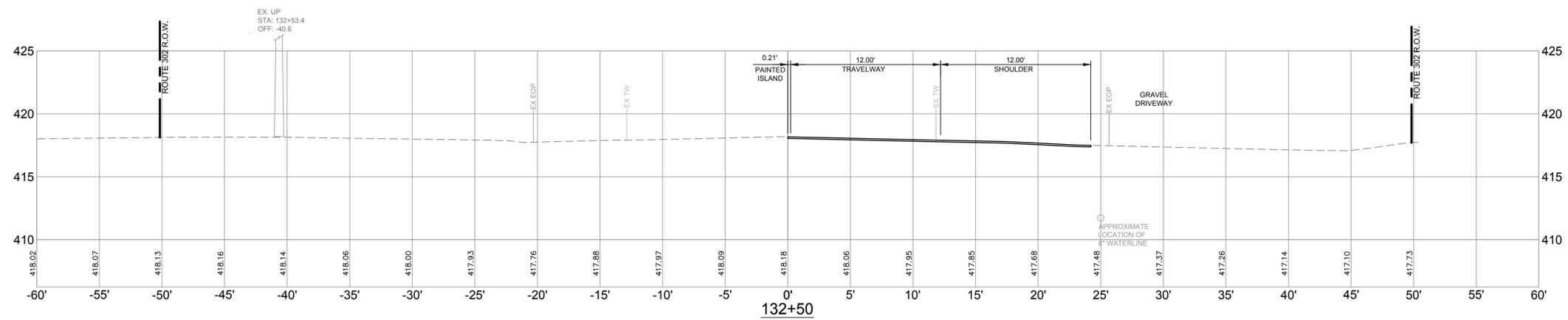
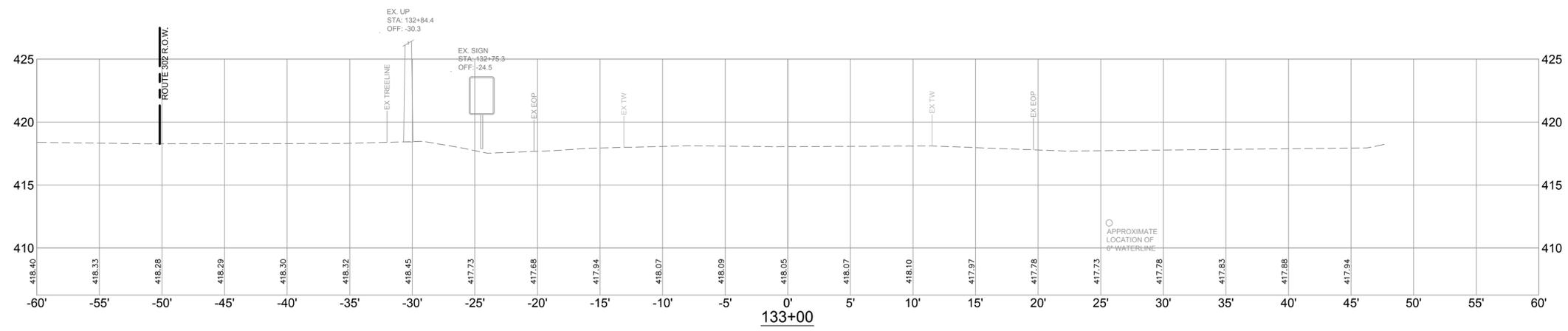
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	<b>FAY, SPOFFORD &amp; THORNDIKE, INC.</b> ENGINEERS · PLANNERS · SCIENTISTS 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106	JOB NO. SF-M044A
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	SHEET <b>18</b>	