1. All dimensions are in English units unless otherwise noted.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER
2. All elevations and stations are in feet.	1	MAINE	17521.00 SR-1752(100)X

SAFE ROUTES TO SCHOOL PROJECT

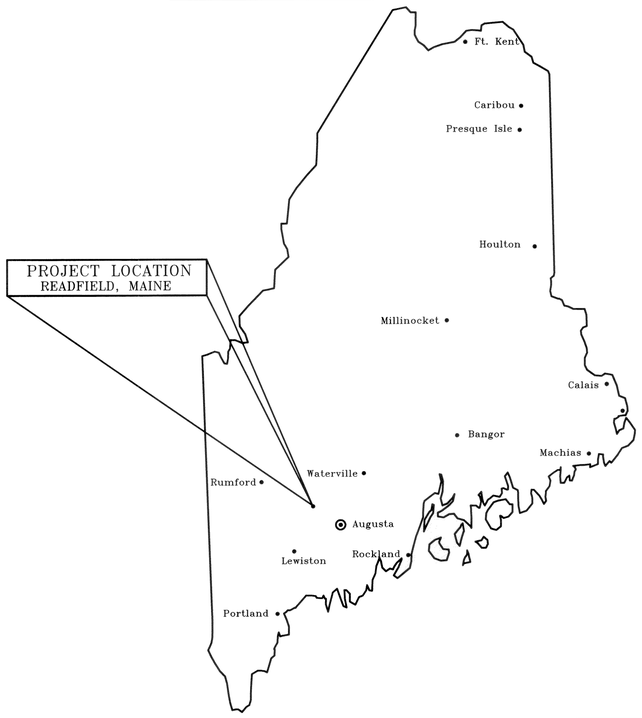
FEDERAL PROJECT NUMBER SR-1752(100)X

MaineDOT PIN 17521.00

FOR

TOWN OF READFIELD
READFIELD, MAINE

PROJECT LOCATION



A. E. HODSDON
CONSULTING ENGINEERS
WATERVILLE, MAINE

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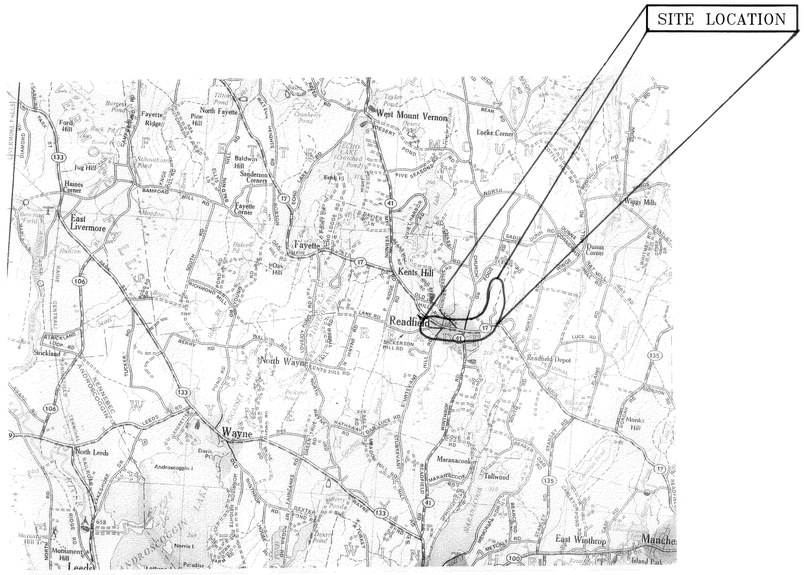
SIGNATURE: Albert E. Hodsdon III	STATE OF MAINE ALBERT E. HODSDON III No. 12926 LICENSED PROFESSIONAL ENGINEER
P.E. NUMBER: ME. 12926	
DATE: 7/11/11	

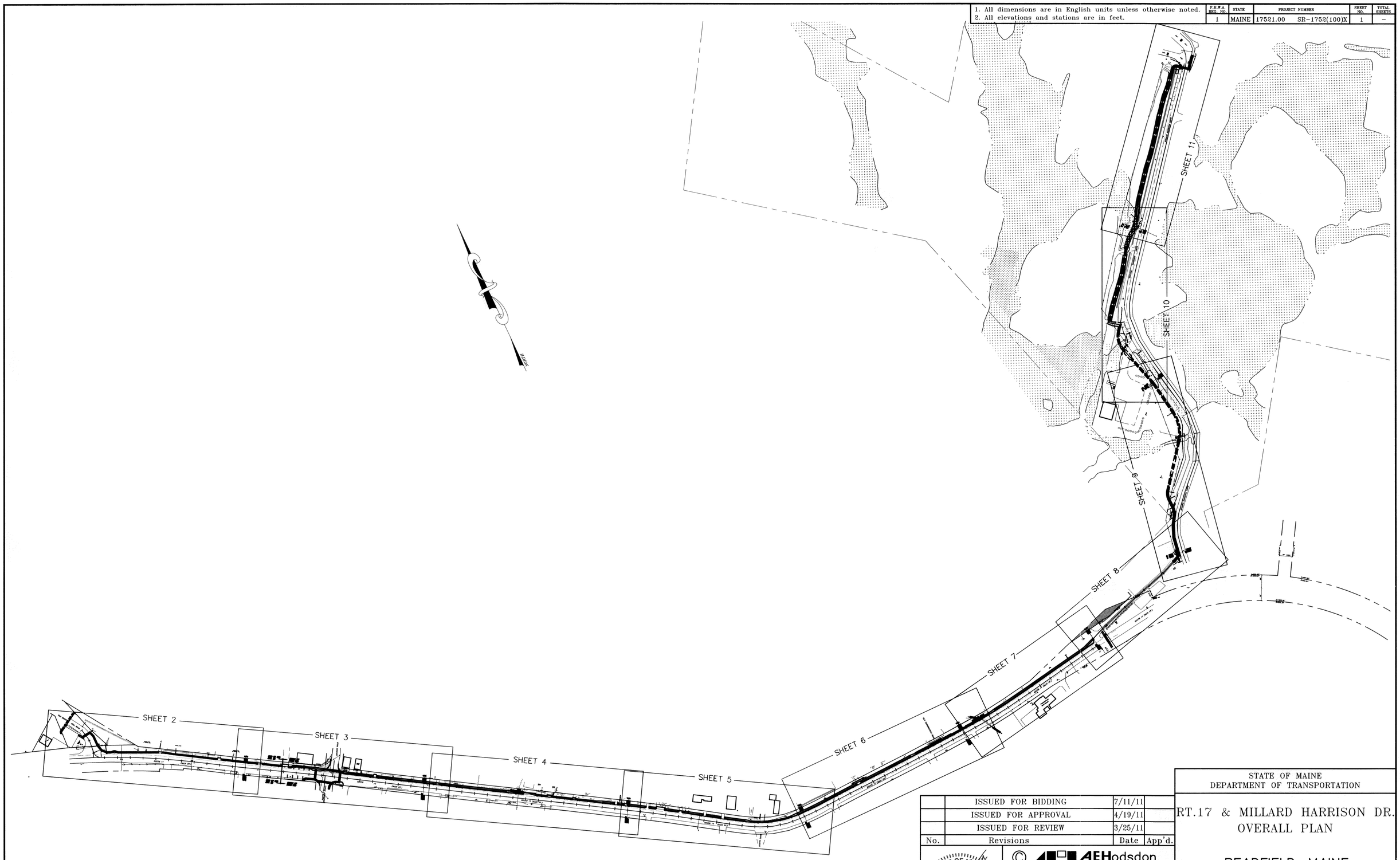
SITE LOCATION PLAN



CAD\Land Projects\2010\52-10\dwg\52-10-detail.dwg, 3/23/2011 4:56:00 PM, 1:1

1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	1	–



No.	Revisions	Date	App'd.
	ISSUED FOR BIDDING	7/11/11	
	ISSUED FOR APPROVAL	4/19/11	
	ISSUED FOR REVIEW	3/25/11	

STATE OF MAINE
ALBERT E. HODSDON, III
No. 2926
REGISTERED PROFESSIONAL ENGINEER

© AEHodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale: 1" = 160'-0"
Checked By: CMK	Date: 7/11/11
Approved By: AEH	Date: 7/11/11
52-10-P&P-4.dwg	Project No. 52-10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

RT.17 & MILLARD HARRISON DR.
OVERALL PLAN

READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

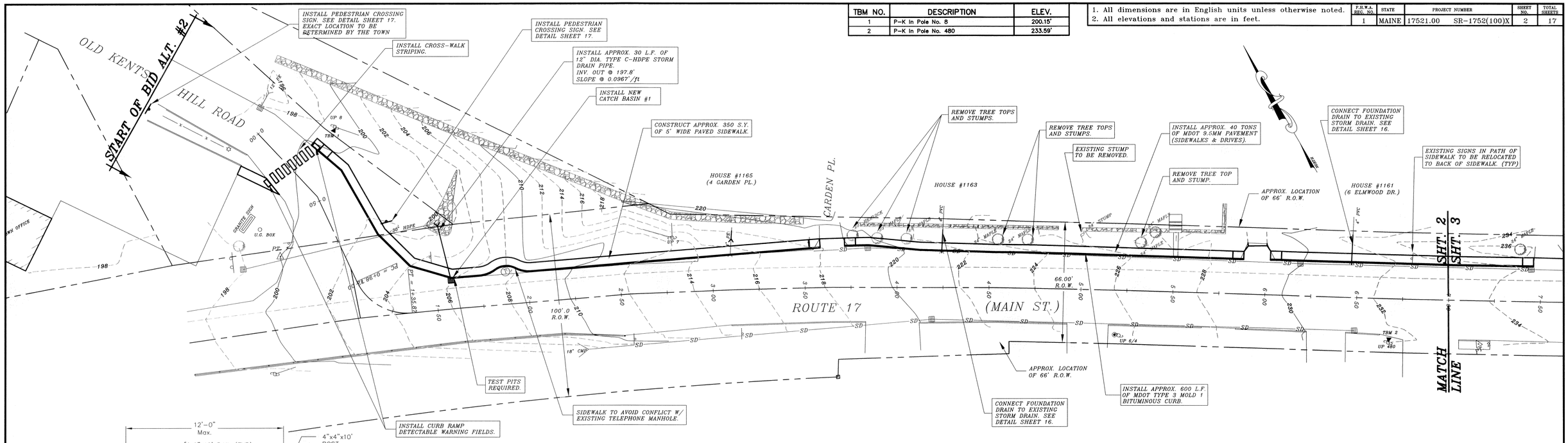
SHEET 1 OF 17

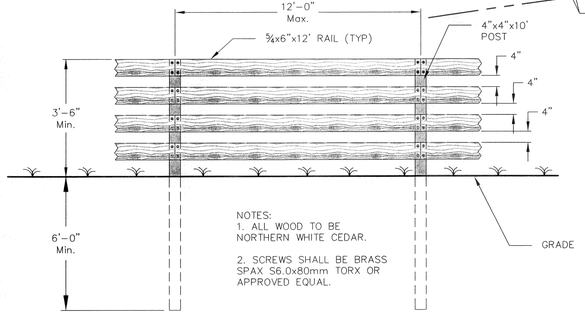
PIN# 17521.00 SR-1752(100)X

TBM NO.	DESCRIPTION	ELEV.
1	P-K In Pole No. 8	200.15'
2	P-K In Pole No. 480	233.59'

1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	2	17

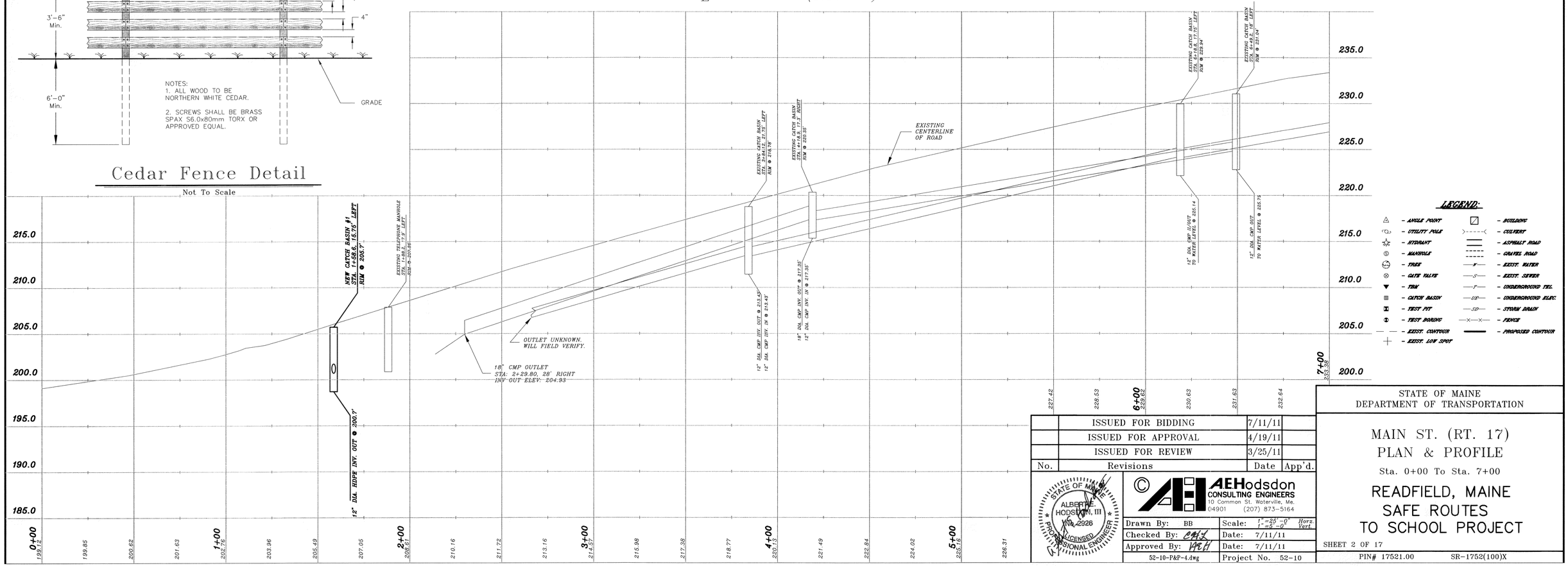




Cedar Fence Detail

Not To Scale

℄ MAIN ST. (RT. 17)



LEGEND:

- ANGLE POINT
- UTILITY POLE
- HYDRANT
- MANHOLE
- TREE
- GATE VALVE
- TBM
- CATCH BASIN
- TEST PIT
- TEST BORING
- EXIST. CONTOUR
- EXIST. LOW SPOT
- BUILDING
- CULVERT
- ASPHALT ROAD
- GRAVEL ROAD
- EXIST. WATER
- EXIST. SEWER
- UNDERGROUND TEL
- UNDERGROUND ELEC.
- STORM DRAIN
- FENCE
- PROPOSED CONTOUR

No.	Revisions	Date	App'd.
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	ISSUED FOR APPROVAL	4/19/11	
	ISSUED FOR REVIEW	3/25/11	

STATE OF MAINE ALBERT E. HODSDON, III No. 2926 LICENSED PROFESSIONAL ENGINEER

© A.E.Hodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale:	1"=25'-0" Horz 1"=5'-0" Vert
Checked By: CAH	Date:	7/11/11
Approved By: AEH	Date:	7/11/11
52-10-P&P-4.dwg	Project No.	52-10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MAIN ST. (RT. 17)
PLAN & PROFILE
Sta. 0+00 To Sta. 7+00

READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

SHEET 2 OF 17

PIN# 17521.00 SR-1752(100)X

TBM NO.	DESCRIPTION	ELEV.
3	P-K in Pole No. 1	239.07'

1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	3	17

LEGEND:

- ANGLE POINT
- BUILDING
- UTILITY POLE
- CULVERT
- HYDRANT
- ASPHALT ROAD
- MANHOLE
- GRAVEL ROAD
- TREE
- EXIST. WATER
- GATE VALVE
- EXIST. SEWER
- TBM
- UNDERGROUND TEL.
- CATCH BASIN
- UNDERGROUND ELEC.
- TEST PIT
- STORM DRAIN
- TEST BORING
- FENCE
- EXIST. CONTOUR
- PROPOSED CONTOUR
- EXIST. LOW SPOT

BID ALTERNATE #2
INSTALL APPROX. 8 TONS OF MDOT 9.5MM PAVEMENT (SIDEWALKS & DRIVES) ON NORTH SIDE OF ROAD.
CONSTRUCT APPROX. 68 S.Y. OF 5' WIDE PAVED SIDEWALK ON NORTH SIDE OF ROAD.

CONTRACTOR TO COORDINATE WITH READFIELD CORNER WATER ASSOCIATION TO RAISE GATE VALVE BOX IF LOCATED IN NEW SIDEWALK.

REMOVE PAVEMENT AND INSTALL LOAM AND SEED TO AREAS AS SHOWN. (INCIDENTAL)

APPROX. LOCATION OF EXISTING 4" DIAMETER WATER MAIN.

INSTALL APPROX. 75 L.F. OF MDOT TYPE 3 MOLD 2 BITUMINOUS CURB.

INSTALL NEW CATCH BASIN #3.

INSTALL APPROX. 42.5 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.0047'/ft

INSTALL CROSS-WALK STRIPING (TYP).

INSTALL NEW CATCH BASIN #4.

CONNECT FOUNDATION DRAIN TO NEW STORM DRAIN. SEE DETAIL SHEET 16.

INSTALL APPROX. 121 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.0366'/ft

REMOVE TREE TOP AND STUMP.

EXISTING SIGNS IN PATH OF SIDEWALK TO BE RELOCATED TO BACK OF SIDEWALK. (TYP)

REMOVE STUMP.

REMOVE EXISTING 12" CMP CULVERT. (INCIDENTAL)

INSTALL PEDESTRIAN CROSSING SIGN. SEE DETAIL SHEET 17.

INSTALL APPROX. 218 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.0691'/ft

EXISTING SIGNS IN PATH OF SIDEWALK TO BE RELOCATED TO BACK OF SIDEWALK. (INCIDENTAL) (TYP)

INSTALL APPROX. 450 L.F. OF MDOT TYPE 3 MOLD 1 BITUMINOUS CURB ON NORTH SIDE OF ROAD.

REMOVE EXISTING 12" CMP CULVERT. (INCIDENTAL)

APPROX. LOCATION OF 66' R.O.W.

BID ALTERNATE #2
EXISTING SIGNS IN PATH OF SIDEWALK TO BE RELOCATED TO BACK OF SIDEWALK. (TYP)

END OF BID ALT. #2

START OF BASE BID

MATCH LINE SHT. 2

MATCH LINE SHT. 3

MATCH LINE SHT. 3

MATCH LINE SHT. 4

CHURCH ROAD

ROUTE 17 (MAIN ST.)

ROUTE 41 (WINTHROP ROAD)

HOUSE #1139

STONE WALL

GAS PUMP

TBM 2 UP 480

UP #2

UP 478

UP 479

12" CMP

4" PVC

4" MAPLE

UP 2986

R40.0'

R30.0'

R25.0'

R10.0'

BID ALTERNATE #2
INSTALL APPROX. 125 L.F. OF MDOT TYPE 3 MOLD 1 BITUMINOUS CURB ON NORTH SIDE OF ROAD.

INSTALL PEDESTRIAN CROSSING SIGN. SEE DETAIL SHEET 17.

EXISTING CATCH BASIN TO BE CORED FOR 12" DIA. HDPE PIPE.

TEST PIT REQUIRED.

INSTALL APPROX. 57 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.0026'/ft

INSTALL NEW CATCH BASIN #2.

INSTALL STRIPING FOR 6 PARKING STALLS.

BID ALTERNATE #3
TIE NEW SIDEWALK INTO EXISTING.

INSTALL APPROX. 60 L.F. OF 6" DIA. TYPE B-HDPE STORM DRAIN PIPE. SLOPE @ 0.0066'/ft

BID ALTERNATE #3
INSTALL APPROX. 8 TONS OF MDOT 9.5MM PAVEMENT (SIDEWALKS & DRIVES).
CONSTRUCT APPROX. 68 S.Y. OF 5' WIDE PAVED SIDEWALK.

BID ALTERNATE #3
INSTALL CROSS-WALK STRIPING (TYP).

BID ALTERNATE #3
INSTALL APPROX. 143 L.F. OF MDOT TYPE 3 MOLD 1 BITUMINOUS CURB ON SOUTH SIDE OF ROAD.

INSTALL CURB RAMP DETECTABLE WARNING FIELDS AT EACH CROSS WALK ENTRANCE (TYP).

APPROX. LOCATION OF EXISTING 4" DIAMETER WATER MAIN.

INSTALL NEW CATCH BASIN #5.

EXISTING UTILITY POLE TO BE RELOCATED TO ESPLANADE. 1' BEHIND CURB FACE, BY CENTRAL MAINE POWER.

APPROX. LOCATION OF 66' R.O.W.

INSTALL APPROX. 43 TONS OF MDOT 9.5MM PAVEMENT (SIDEWALKS & DRIVES) ON NORTH SIDE OF ROAD.
CONSTRUCT APPROX. 307 S.Y. OF 5' WIDE PAVED SIDEWALK ON NORTH SIDE OF ROAD.

℄ MAIN ST. (RT. 17)

NORTH

EXISTING CENTERLINE OF ROAD

NEW CATCH BASIN #2 STA. 8+69.75, 22.25' LEFT RIM ● 236.95
12" DIA. HDPE INV. OUT ● 230.45'
6" DIA. HDPE INV. IN ● 236.65'

NEW CATCH BASIN #3 STA. 10+19, 27' LEFT RIM ● 237.55
12" DIA. HDPE INV. OUT ● 231.50'

NEW CATCH BASIN #4 STA. 10+63.5, 27.3' LEFT RIM ● 237.60
12" DIA. HDPE INV. IN ● 231.30'
12" DIA. HDPE INV. OUT ● 231.20'

NEW CATCH BASIN #5 STA. 11+88, 16' LEFT RIM ● 238.10
12" DIA. HDPE INV. IN ● 226.75'
12" DIA. HDPE INV. OUT ● 226.65'

EXISTING CATCH BASIN STA. 8+91.41, 21.8' LEFT RIM ● 234.76'
12" DIA. CMP INV. IN ● 230.5'
15" DIA. CMP INV. OUT ● 230.3'

EXISTING CATCH BASIN STA. 10+10.6, 48.8' LEFT RIM ● 237.02'

EXISTING CATCH BASIN STA. 8+91.41, 21.8' LEFT RIM ● 234.76'

EXISTING CATCH BASIN STA. 8+89.75, 16.75' LEFT RIM ● 236.76'
12" DIA. CMP INV. OUT ● 230.58'
4" DIA. HDPE INV. IN ● 231.58'
CORE 12" DIA. HDPE INV. IN ● 230.30'

EXISTING CATCH BASIN STA. 8+91.41, 21.8' LEFT RIM ● 234.76'
12" DIA. CMP INV. OUT ● 229.43'
TO WATER LEVEL ● 229.43

6" DIA. HDPE INB. ● ELEV: 230.95

	ISSUED FOR BIDDING	7/11/11	
	ISSUED FOR APPROVAL	4/19/11	
	ISSUED FOR REVIEW	3/25/11	
No.	Revisions	Date	App'd.

STATE OF MAINE
ALBERT E. HODSDON, III
No. 2926
LICENSED PROFESSIONAL ENGINEER

© A.E.Hodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By:	BB	Scale:	1"=25'-0" Horz. 1"=5'-0" Vert.
Checked By:	CMJ	Date:	7/11/11
Approved By:	AEH	Date:	7/11/11
52-10-P&P-4.dwg		Project No.	52-10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MAIN ST. (RT. 17)
PLAN & PROFILE
Sta. 7+00 To Sta. 14+00

READFIELD, MAINE
SAFE ROUTES
TO SCHOOL PROJECT

SHEET 3 OF 17

PIN# 17521.00 SR-1752(100)X

TBM NO.	DESCRIPTION	ELEV.
4	P-K in Pole No. 493	200.88'
—	P-K in Pole No.	———

1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	4	17

LEGEND:

- ANGLE POINT
- UTILITY POLE
- HYDRANT
- MANHOLE
- TREE
- GATE VALVE
- TBM
- CATCH BASIN
- TEST PIT
- TEST BORING
- EXIST. CONTOUR
- EXIST. LOW SPOT
- BUILDING
- CULVERT
- ASPHALT ROAD
- GRAVEL ROAD
- EXIST. WATER
- EXIST. SEWER
- UNDERGROUND TEL.
- UNDERGROUND ELEC.
- STORM DRAIN
- FENCE
- PROPOSED CONTOUR

MATCH LINE SHT. 3

MATCH LINE SHT. 4

MATCH LINE SHT. 4

MATCH LINE SHT. 5

ROUTE 17 (MAIN ST.)

CONSTRUCT APPROX. 445 S.Y. OF 5' WIDE PAVED SIDEWALK.

EXISTING SIGNS IN PATH OF SIDEWALK TO BE RELOCATED TO BACK OF SIDEWALK. (TYP.)

REMOVE EXISTING 12" CMP CULVERT. (INCIDENTAL)

INSTALL NEW CATCH BASIN #7.

INSTALL APPROX. 20 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.020'/ft TO DAYLIGHT

INSTALL APPROX. 55 L.F. OF CEDAR FENCE. SEE DETAIL SHEET 2.

REMOVE EXISTING 12" CMP CULVERT. (INCIDENTAL)

INSTALL PLAIN RIP-RAP ALONG SLOPES STEEPER THAN 2:1 AND AT OUTLET PIPES. SEE DETAIL SHEET 16.

REMOVE EXISTING 12" CMP CULVERT. (INCIDENTAL)

CONNECT FOUNDATION DRAIN TO NEW STORM DRAIN PIPE. SEE DETAIL SHEET 16.

REMOVE EXISTING 12" CMP CULVERT. (INCIDENTAL)

CONNECT FOUNDATION DRAINS TO NEW STORM DRAIN. SEE DETAIL SHEET 16.

INSTALL APPROX. 50 TONS OF MDOT 9.5MM PAVEMENT (SIDEWALKS & DRIVES).

REMOVE EXISTING 12" CMP CULVERT. (INCIDENTAL)

25' PAVED TRANSITION TO 2' ESPLANADE.

APPROX. LOCATION OF 66' R.O.W.

25' PAVED TRANSITION FROM ESPLANADE TO NO ESPLANADE.

INSTALL APPROX. 685 L.F. OF MDOT TYPE 3 MOLD 1 BITUMINOUS CURB.

INSTALL NEW CATCH BASIN #6.

INSTALL APPROX. 135 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.0415'/ft

INSTALL APPROX. 206 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.0160'/ft

INSTALL NEW CATCH BASIN #8.

INSTALL NEW CATCH BASIN #9.

INSTALL APPROX. 68 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.01324'/ft

INSTALL APPROX. 156 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.0353'/ft

INSTALL NEW CATCH BASIN #10.

APPROX. LOCATION OF 66' R.O.W.

INSTALL APPROX. 196 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.0638'/ft

℄ MAIN ST. (RT. 17)

NEW CATCH BASIN #6 STA. 14+10, 16' LEFT RIM ● 218.00'

12" DIA. HDPE INV. IN ● 211.65'
12" DIA. HDPE INV. OUT ● 211.50'

NEW CATCH BASIN #7 STA. 15+50, 16' LEFT RIM ● 211.25'

12" DIA. HDPE INV. IN ● 205.90'
12" DIA. HDPE INV. OUT ● 205.80'

EXISTING CENTERLINE OF ROAD

NEW CATCH BASIN #8 STA. 17+69, 16' LEFT RIM ● 207.40'

12" DIA. HDPE INV. IN ● 202.5'
12" DIA. HDPE INV. OUT ● 202.4'

12" HDPE OUTLET INV OUT ELEV: 202.0

48" RCP CROSSING STA: 17+69.50 ELEV: 200.05

NEW CATCH BASIN #9 STA. 18+43.5, 16' LEFT RIM ● 208.1'

12" DIA. HDPE INV. OUT ● 203.9'
12" DIA. HDPE INV. IN ● 203.0'

NEW CATCH BASIN #10 STA. 20+03, 16' LEFT RIM ● 214.15'

12" DIA. HDPE INV. OUT ● 208.5'
12" DIA. HDPE INV. IN ● 208.6'

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	ISSUED FOR REVIEW	3/25/11	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MAIN ST. (RT. 17)
PLAN & PROFILE
Sta. 14+00 To Sta. 22+00

READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

AEHodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

ALBERT E. HODSDON, III
No. 2926
LICENSED PROFESSIONAL ENGINEER
STATE OF MAINE

Drawn By: BB	Scale: 1"=25'-0" Horz. 1"=5'-0" Vert.	SHEET 4 OF 17	
Checked By: CHZ	Date: 7/11/11		
Approved By: AEH	Date: 7/11/11		
52-10-P&P-4.dwg	Project No. 52-10	PIN# 17521.00	SR-1752(100)X

TBM NO.	DESCRIPTION	ELEV.
5	P-K In Pole No. 242	227.78'

1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	5	17

LEGEND:

- ANGLE POINT
- UTILITY POLE
- HYDRANT
- MANHOLE
- TREE
- GATE VALVE
- TBM
- CATCH BASIN
- TEST PIT
- TEST BORING
- EXIST. CONTOUR
- EXIST. LOW SPOT
- BUILDING
- CULVERT
- ASPHALT ROAD
- GRAVEL ROAD
- EXIST. WATER
- EXIST. SEWER
- UNDERGROUND TEL.
- UNDERGROUND ELEC.
- STORM DRAIN
- FENCE
- PROPOSED CONTOUR

INSTALL NEW CATCH BASIN #11.

CONSTRUCT APPROX. 389 S.Y. OF 5' WIDE PAVED SIDEWALK.

REMOVE EXISTING 12" CMP CULVERT. (INCIDENTAL)

INSTALL APPROX. 44 TONS OF MDOT 9.5MM PAVEMENT (SIDEWALKS & DRIVES).

EXISTING CATCH BASIN TO BE REMOVED AND EXISTING 12" CMP OUTLET PIPE PLUGGED. (INCIDENTAL)

INSTALL NEW CATCH BASIN #12.

25' PAVED TRANSITION FROM 2' ESPLANADE TO NO ESPLANADE.

INSTALL NEW CATCH BASIN #13.

INSTALL NEW CATCH BASIN #14.

25' PAVED TRANSITION TO 2' WIDE GRASS ESPLANADE.

INSTALL APPROX. 128 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.0668'/ft

INSTALL APPROX. 220 L.F. OF 12" DIA. TYPE C-HDPE STORM DRAIN PIPE. SLOPE @ 0.0411'/ft

INSTALL APPROX. 594 L.F. OF MDOT TYPE 3 MOLD 1 BITUMINOUS CURB.

EXISTING UTILITY POLE TO BE RELOCATED TO ESPLANADE 1' BEHIND CURB FACE BY CENTRAL MAINE POWER.

EXISTING UTILITY POLE TO BE RELOCATED TO ESPLANADE 1' BEHIND CURB FACE BY CENTRAL MAINE POWER.

APPROX. LOCATION OF 66' R.O.W.

APPROX. LOCATION OF 66' R.O.W.

ROUTE 17 (MAIN ST.)

℄ MAIN ST. (RT. 17)

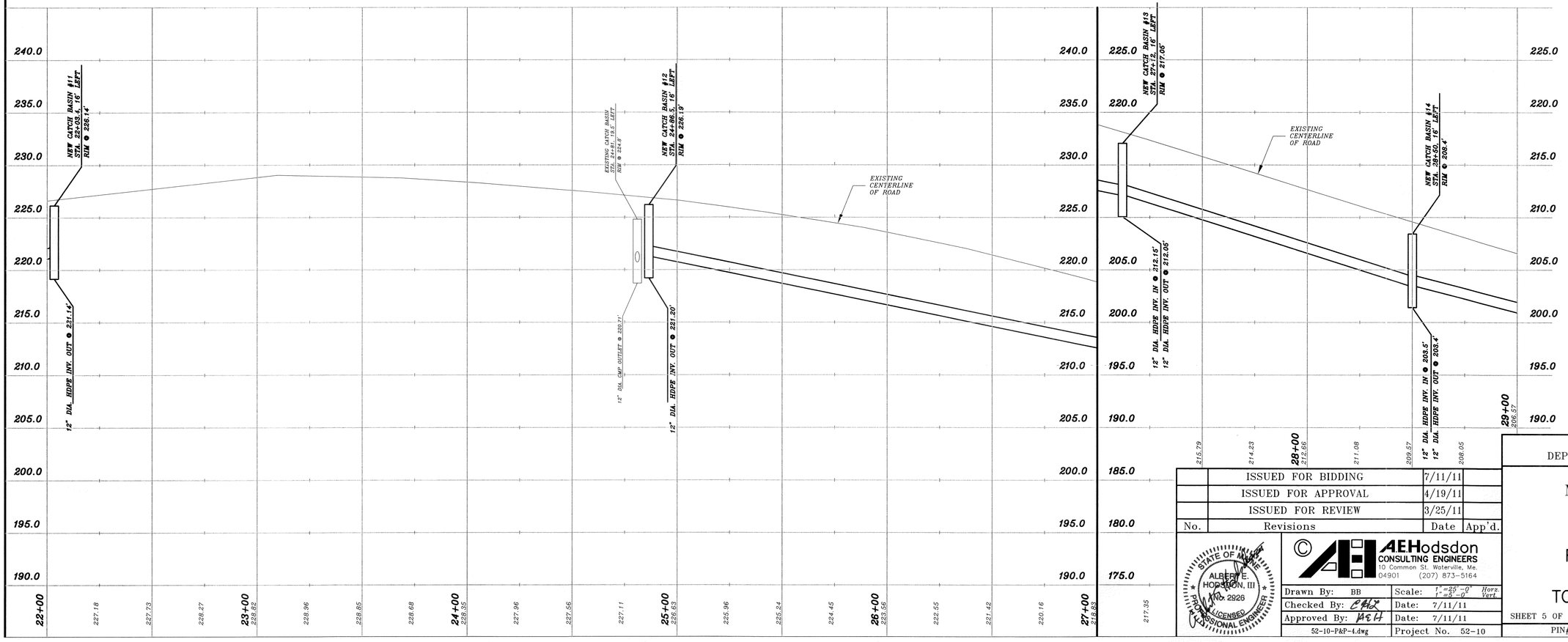
HUNTS LANE

MATCH LINE

SHT 4

SHT 5

SHT 6



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ALBERT E. HODSDON, III
No. 2926
LICENSED PROFESSIONAL ENGINEER
STATE OF MAINE

© AEHodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale:	1"=25'-0" Horz. 1"=5'-0" Vert.	
Checked By: CEH	Date:	7/11/11	
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52-10-P&P-4.dwg	Project No.	52-10	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MAIN ST. (RT. 17)
PLAN & PROFILE
Sta. 22+00 To Sta. 29+00

READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

SHEET 5 OF 17

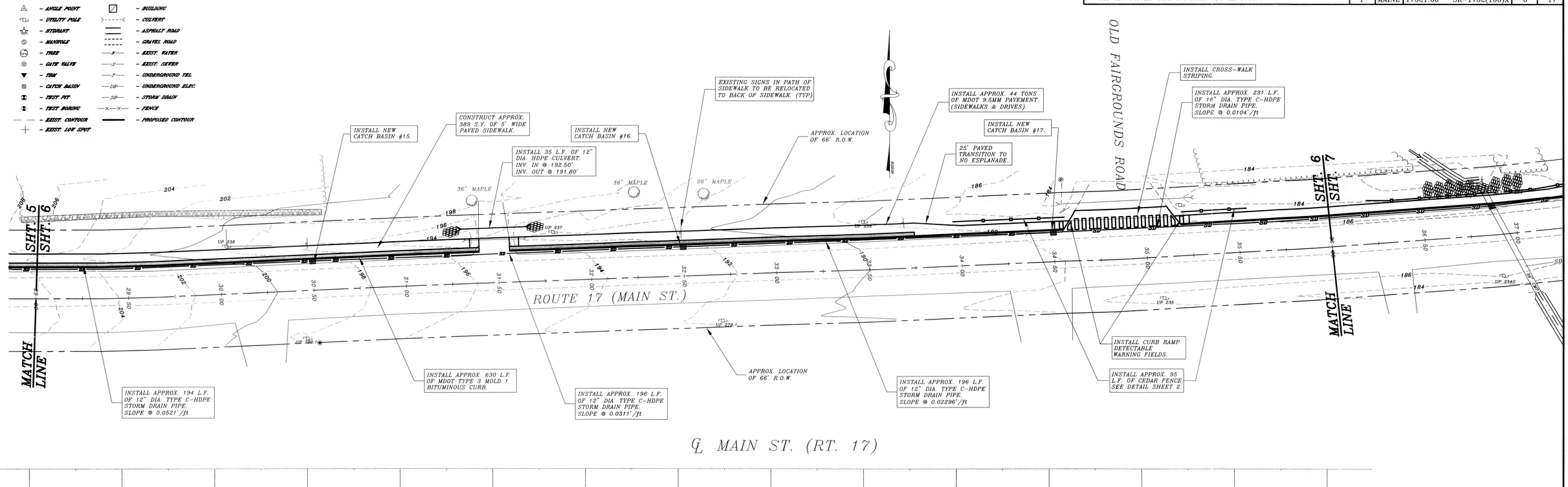
PIN# 17521.00 SR-1752(100)X

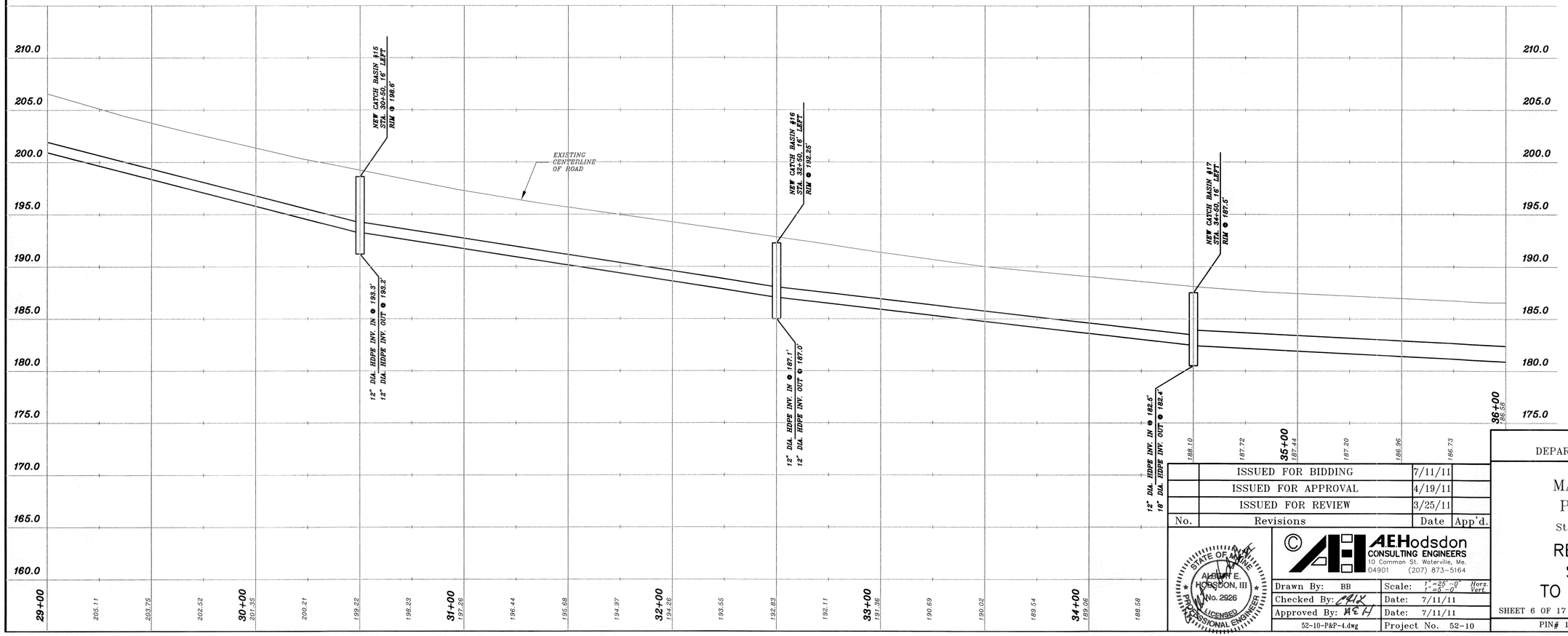
1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	6	17

LEGEND:

- ANGLE POINT
- UTILITY POLE
- HYDRANT
- MANHOLE
- TREE
- GATE VALVE
- TBM
- CATCH BASIN
- TEST PIT
- TEST BORING
- EXIST. CONTOUR
- EXIST. LOW SPOT
- BUILDING
- CULVERT
- ASPHALT ROAD
- GRAVEL ROAD
- EXIST. WATER
- EXIST. SEWER
- UNDERGROUND TEL.
- UNDERGROUND ELEC.
- STORM DRAIN
- FENCE
- PROPOSED CONTOUR





No.	Revisions	Date	App'd.
	ISSUED FOR BIDDING	7/11/11	
	ISSUED FOR APPROVAL	4/19/11	
	ISSUED FOR REVIEW	3/25/11	

ALBERT E. HODSDON, III No. 2926 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

© AEHodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale: 1"=25'-0" Horz. 1"=5'-0" Vert.	
Checked By: AEH	Date: 7/11/11	
Approved By: AEH	Date: 7/11/11	
52-10-P&P-4.dwg	Project No. 52-10	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MAIN ST. (RT. 17)
PLAN & PROFILE
Sta. 29+00 To Sta. 36+00

READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

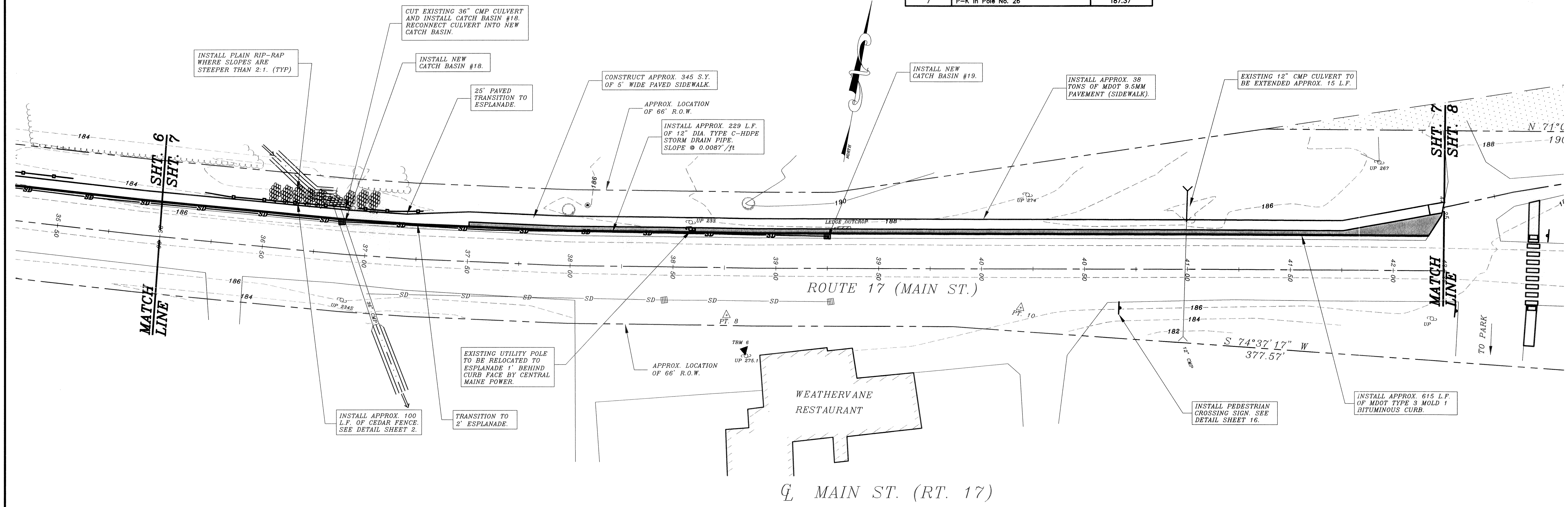
SHEET 6 OF 17

PIN# 17521.00 SR-1752(100)X

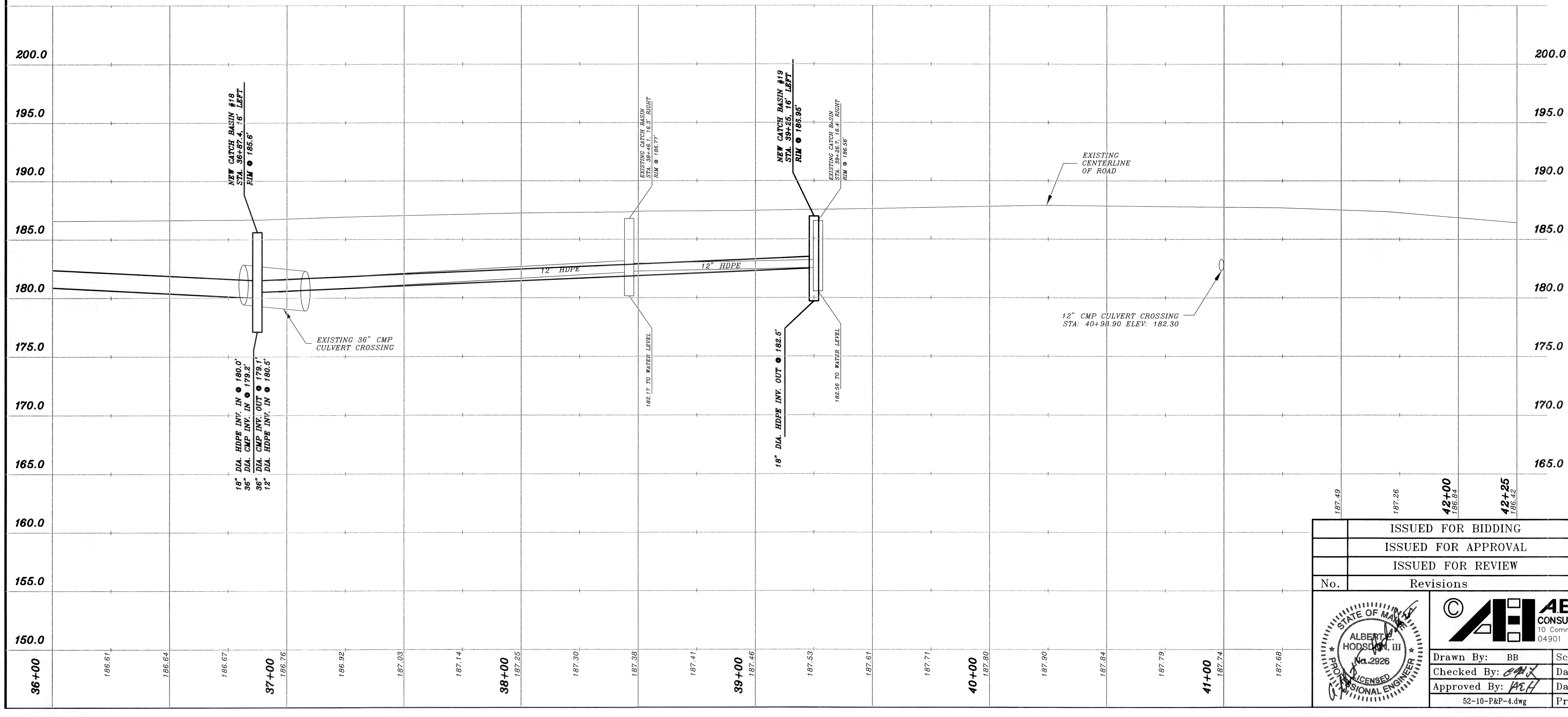
TBM NO.	DESCRIPTION	ELEV.
6	P-K In Pole No. 275.1	188.49'
7	P-K In Pole No. 26	187.37'

1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	7	17



℄ MAIN ST. (RT. 17)



LEGEND:

Symbol	Description	Symbol	Description
△	ANGLE POINT	⊠	BUILDING
	UTILITY POLE	>----<	CULVERT
	HYDRANT		ASPHALT ROAD
Ⓢ	MANHOLE	-----	GRAVEL ROAD
	TREE	—W—	EXIST. WATER
⊗	GATE VALVE	—S—	EXIST. SEWER
▼	TBM	—T—	UNDERGROUND TEL.
▥	CATCH BASIN	—UE—	UNDERGROUND ELEC.
	TEST PIT	—SD—	STORM DRAIN
	TEST BORING	—x—x—	FENCE
— —	EXIST. CONTOUR	▬▬	PROPOSED CONTOUR
+	EXIST. LOW SPOT		

No.	Revisions	Date	App'd.
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	ISSUED FOR APPROVAL	4/19/11	
	ISSUED FOR REVIEW	3/25/11	

STATE OF MAINE ALBERT E. HODSDON, III No. 2926 LICENSED PROFESSIONAL ENGINEER

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10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale: 1"=25'-0" Horz. 1"=5'-0" Vert.
Checked By:	Date: 7/11/11
Approved By: AEH	Date: 7/11/11
52-10-P&P-4.dwg	Project No. 52-10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MAIN ST. (RT. 17) PLAN & PROFILE

Sta. 36+00 To Sta. 42+25

READFIELD, MAINE SAFE ROUTES TO SCHOOL PROJECT

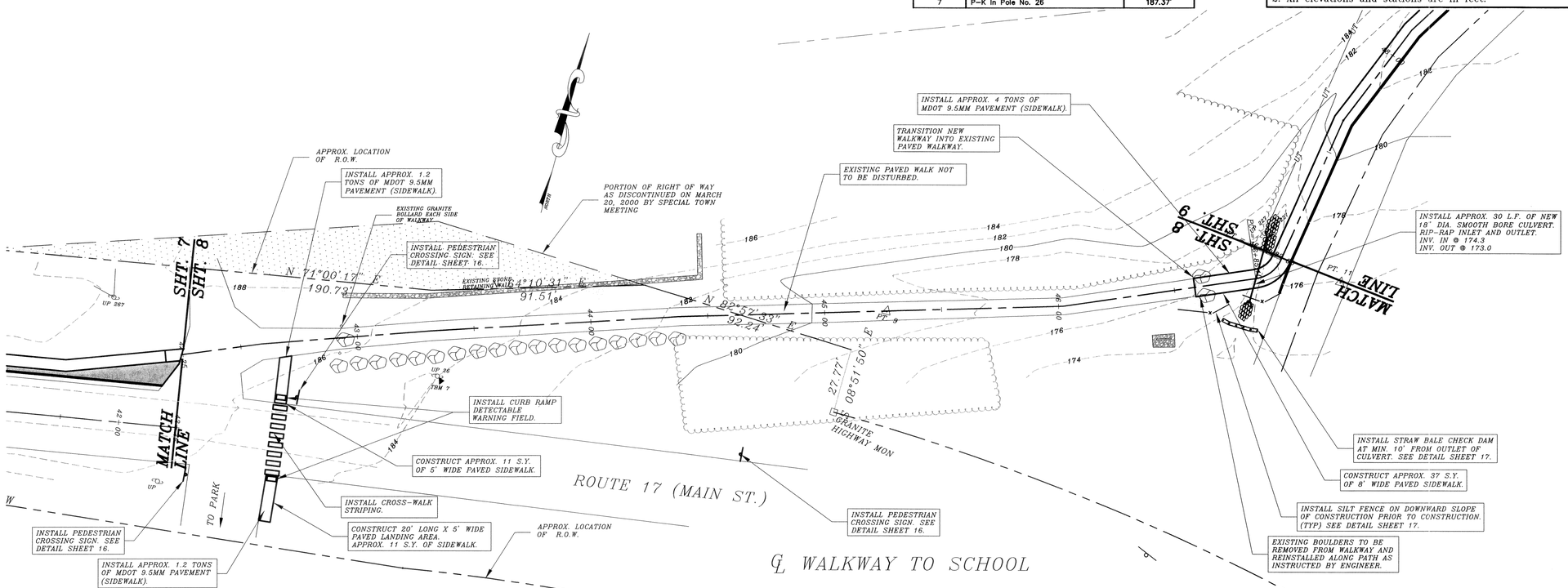
SHEET 7 OF 17

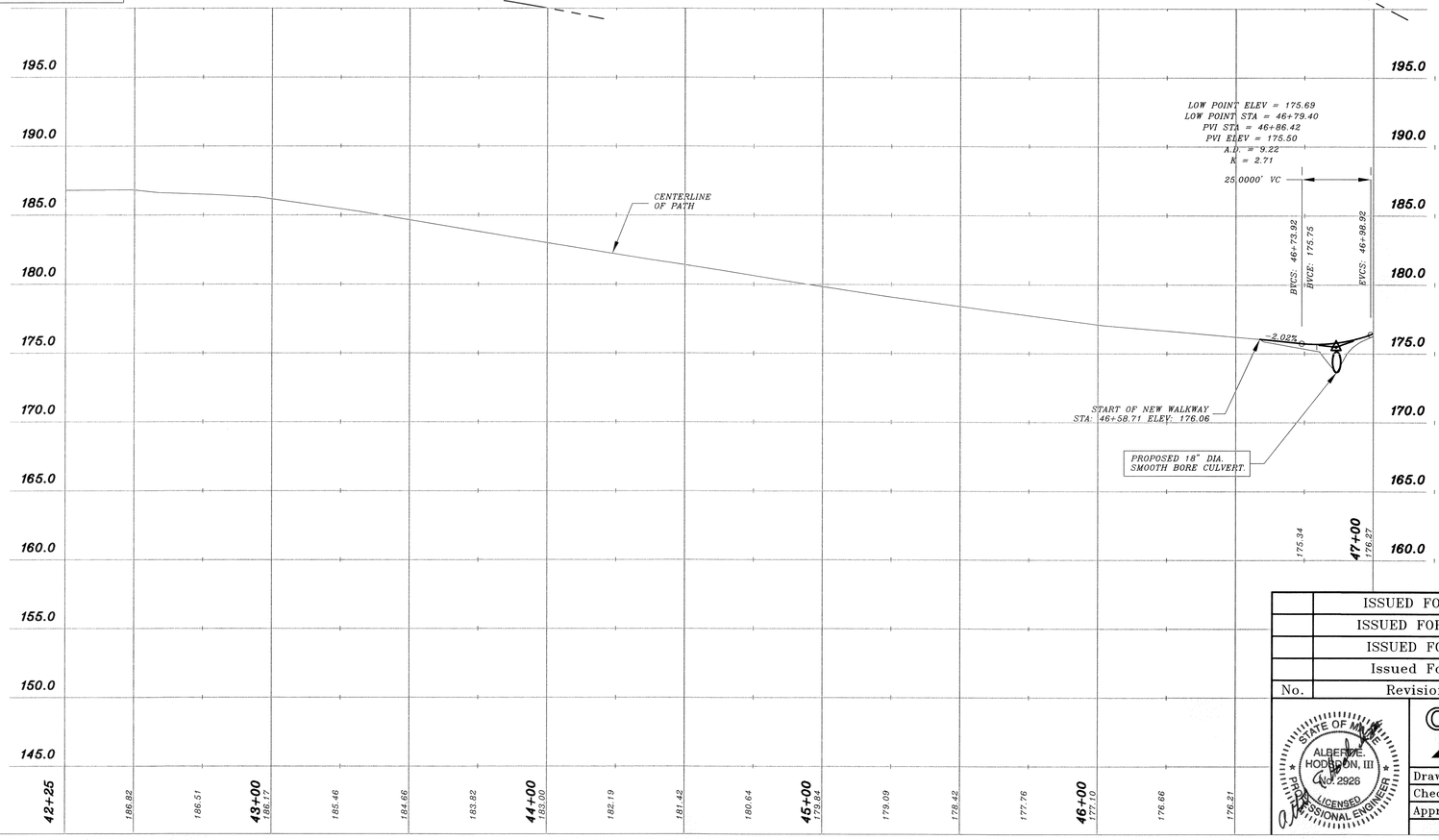
PIN# 17521.00 SR-1752(100)X

TBM NO.	DESCRIPTION	ELEV.
7	P-K In Pole No. 26	187.37'

1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	8	17





LEGEND:

- ANGLE POINT
- UTILITY POLE
- HYDRANT
- MANHOLE
- TREE
- GATE VALVE
- TBM
- CATCH BASIN
- TEST PIT
- TEST BORING
- EXIST. CONTOUR
- EXIST. LOW SPOT
- BUILDING
- CULVERT
- ASPHALT ROAD
- GRAVEL ROAD
- EXIST. WATER
- EXIST. SEWER
- UNDERGROUND TEL
- UNDERGROUND ELEC.
- STORM DRAIN
- FENCE
- PROPOSED CONTOUR

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STATE OF MAINE
ALBERT E. HODGDON, III
No. 2926
REGISTERED PROFESSIONAL ENGINEER

© AEHodsdon
AEHodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale:	1"=25'-0"	Horz.
Checked By: CAH		1"=5'-0"	Vert.
Approved By: AEH	Date:	7/11/11	
52-10-P&P-4.dwg	Date:	7/11/11	
	Project No.	52-10	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WALKWAY TO SCHOOL
PLAN & PROFILE
Sta. 42+25 To Sta. 47+00

READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

SHEET 8 OF 17

PIN# 17521.00 SR-1752(100)X

TBM NO.	DESCRIPTION	ELEV.
8	P-K In Pole No. 5	194.01'
–	P-K In Pole No.	———

1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	9	17

INSTALL STRAW BALE CHECK DAM AT MIN. 10' FROM OUTLET OF CULVERT. SEE DETAIL SHEET 17.

APPROX. LOCATION OF PROPERTY LINE

TRANSITION FROM PAVED SURFACE TO STONE DUST SURFACE.

CONSTRUCT APPROX. 410 S.Y. OF 8' WIDE SIDEWALK.

INSTALL APPROX. 3670 S.F. OF 6" STONE DUST SURFACE.

APPROX. LOCATION OF UNDERGROUND TELEPHONE

APPROX. 250 S.F. OF WETLAND TO BE IMPACTED.

INSTALL APPROX. 20 L.F. OF NEW 12" DIA. SMOOTH BORE CULVERT. RIP-RAP INLET AND OUTLET.
INV. IN @ 184.85'
INV. OUT @ 184.10'

INSTALL STRAW BALE CHECK DAM AT MIN. 10' FROM OUTLET OF CULVERT. SEE DETAIL SHEET 17.

REMOVE 12" DIA. PINE TREE TOP AND STUMP.

INSTALL APPROX. 180 L.F. OF MDOT TYPE 3 MOLD 1 BITUMINOUS CURB.

INSTALL APPROX. 26 TONS OF MDOT 9.5MM PAVEMENT (SIDEWALK).

CONSTRUCT APPROX. 220 S.Y. OF 8' WIDE PAVED SIDEWALK.

INSTALL APPROX. 40 L.F. OF NEW 18" DIA. SMOOTH BORE CULVERT. RIP-RAP INLET AND OUTLET.
INV. IN @ 183.2
INV. OUT @ 183.0

INSTALL SILT FENCE ON DOWNWARD SLOPE OF CONSTRUCTION PRIOR TO CONSTRUCTION. (TYP) SEE DETAIL SHEET 17.

MILLARD HARRISON DRIVE

℄ WALKWAY TO SCHOOL

MATCH LINE — SHT. 8

MATCH LINE — SHT. 9

MATCH LINE — SHT. 10

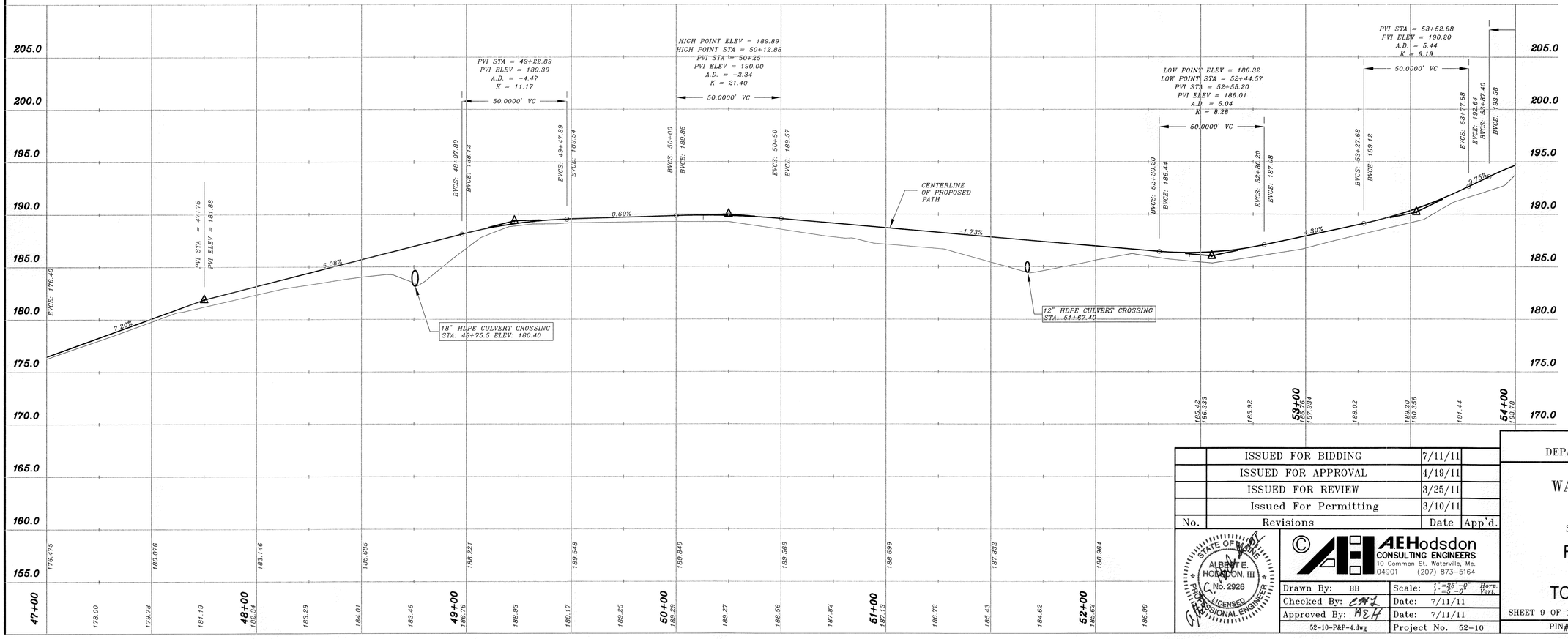
CONCRETE VAULT

PT. 12

LEGEND:

- ANGLE POINT
- UTILITY POLE
- HYDRANT
- MANHOLE
- TREE
- GATE VALVE
- TBM
- CATCH BASIN
- TEST PIT
- TEST BORING
- EXIST. CONTOUR
- EXIST. LOW SPOT
- BUILDING
- CULVERT
- ASPHALT ROAD
- GRAVEL ROAD
- EXIST. WATER
- EXIST. SEWER
- UNDERGROUND TEL
- UNDERGROUND ELEC.
- STORM DRAIN
- FENCE
- PROPOSED CONTOUR

BID ALTERNATE #1
INSTALL APPROX. 45 TONS OF MDOT 9.5MM PAVEMENT (SIDEWALK).



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STATE OF MAINE
ALBERT E. HODGDON, III
No. 2926
REGISTERED PROFESSIONAL ENGINEER

© AEHodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By:	BB	Scale:	1"=25'-0" Horz. 1"=5'-0" Vert.
Checked By:	CHH	Date:	7/11/11
Approved By:	AEH	Date:	7/11/11
52-10-P&P-4.dwg		Project No.	52-10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WALKWAY TO SCHOOL
PLAN & PROFILE
Sta. 47+00 To Sta. 54+00

READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

SHEET 9 OF 17

PIN# 17521.00 SR-1752(100)X

1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	10	17

SUPERINTENDENTS OFFICE

CONCRETE PAD

EXISTING FUELING STATION BUILDING

APPROX. 445 S.F. OF WETLAND TO BE IMPACTED.

BID ALTERNATE #1
INSTALL 14' WIDE PAVED WALKWAY ACCROSS EXISTING GRAVEL DRIVE.

INSTALL APPROX. 2380 S.F. OF 6" STONE DUST SURFACE.

CONSTRUCT APPROX. 258 S.Y. OF 8' WIDE SIDEWALK.

INSTALL SILT FENCE ON DOWNWARD SLOPE OF CONSTRUCTION PRIOR TO CONSTRUCTION. (TYP) SEE DETAIL SHEET 17.

REMOVE 12" DIA. PINE TREE TOP AND STUMP.

INSTALL STRAW BALE CHECK DAM AT MIN. 10' FROM OUTLET OF CULVERT. SEE DETAIL SHEET 17.

INSTALL STRAW BALE CHECK DAMS AT MIN. 10' FROM OUTLET OF CULVERT. SEE DETAIL SHEET 17.

196.25' SPOT

X 196.0' SPOT

12" CMP

CONCRETE VAULT

INSTALL APPROX. 25 L.F. OF NEW 12" DIA. SMOOTH BORE CULVERT. RIP-RAP INLET AND OUTLET.
INV. IN @ 196.75'
INV. OUT @ 196.50'

EXISTING PLANTER TO BE RELOCATED. (INCIDENTAL)

CONSTRUCT SWALE FROM NEW 12" CULVERT TO EXISTING ROAD DITCH.

EXISTING GRAVEL DRIVE TO BE REBUILT TO MATCH PROPOSED WALKWAY.

TRANSITION FROM PAVEMENT TO GRAVEL SURFACE.

BID ALTERNATE #1
INSTALL APPROX. 28 TONS OF MDOT 9.5MM PAVEMENT (SIDEWALK).

INSTALL APPROX. 3890 S.F. OF 6" STONE DUST SURFACE.

INSTALL SILT FENCE ON DOWNWARD SLOPE OF CONSTRUCTION PRIOR TO CONSTRUCTION. (TYP) SEE DETAIL SHEET 17.

CONSTRUCT APPROX. 422 S.Y. OF 8' WIDE GRAVEL PATH.

EXISTING 4' WIDE GRAVEL PATH.

PROPOSED LIMIT OF CLEARING, 5' FROM EDGE OF PROPOSED WALKWAY.

APPROX. 970 S.F. OF WETLAND TO BE IMPACTED.

MILLARD HARRISON DRIVE

MATCH LINE — SHT. 9

MATCH LINE — SHT. 10

MATCH LINE — SHT. 11

℄ WALKWAY TO SCHOOL

NORTH

HIGH POINT ELEV = 215.81
HIGH POINT STA = 60+28.46
PVI STA = 60+10.84
PVI ELEV = 216.02
A.D. = -6.68
K = 7.48
50.0000' VC
BVCS: 59+65.84
BVCE: 214.60
EVCS: 60+35.84
EVCE: 215.78

PVI STA = 54+12.40
PVI ELEV = 196.02
A.D. = -8.46
K = 5.91
50.0000' VC
BVCS: 54+37.40
EVCE: 196.34

PVI STA = 54+74.12
PVI ELEV = 196.82

PVI STA = 55+35.67
PVI ELEV = 198.10

PVI STA = 55+68.84
PVI ELEV = 198.88

PVI STA = 56+72.83
PVI ELEV = 201.25
PVI STA = 56+80
PVI ELEV = 201.40

PVI STA = 57+05.57
PVI ELEV = 203.55

PVI STA = 57+30.72
PVI ELEV = 203.81

PVI STA = 58+96.29
PVI ELEV = 209.50

1.29% 2.09% 2.35% 2.28% 0.09% 8.41% 1.03% 3.44% 5.70% -0.99%

CENTERLINE OF PROPOSED PATH

EDGE OF EXISTING GRAVEL DRIVEWAY

EDGE OF EXISTING GRAVEL DRIVEWAY

EDGE OF EXISTING GRAVEL DRIVEWAY

12" HDPE CULVERT CROSSING STA: 55+76

EDGE OF EXISTING GRAVEL DRIVEWAY

EXISTING GRAVEL TO BE REDONE TO MATCH NEW WALKWAY.

54+00	55+00	56+00	57+00	58+00	59+00	60+00	61+00
195.73	196.46	198.33	203.17	206.17	208.35	214.80	214.39
195.93	196.20	197.58	198.28	198.63	199.44	200.40	201.29	203.77	204.51	205.42	206.89	207.60	208.20	210.43	211.90	213.35	215.30	215.26	214.84

225.0 / 220.0 / 215.0 / 210.0 / 205.0 / 200.0 / 195.0 / 190.0 / 185.0 / 180.0 / 175.0

LEGEND:

- ANGLE POINT
- UTILITY POLE
- HYDRANT
- MANHOLE
- TREE
- GATE VALVE
- TBM
- CATCH BASIN
- TEST PIT
- TEST BORING
- EXIST. CONTOUR
- EXIST. LOW SPOT
- BUILDING
- CULVERT
- ASPHALT ROAD
- GRAVEL ROAD
- EXIST. WATER
- EXIST. SEWER
- UNDERGROUND TEL
- UNDERGROUND ELEC.
- STORM DRAIN
- FENCE
- PROPOSED CONTOUR

No.	Revisions	Date	App'd.
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ALBERT E. HODSDON, III
No. 2926
PROFESSIONAL ENGINEER
LICENSED
STATE OF MAINE

© AEHodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale: 1"=25'-0" Horz. 1"=5'-0" Vert.
Checked By:	Date: 7/11/11
Approved By:	Date: 7/11/11
52-10-P&P-4.dwg	Project No. 52-10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

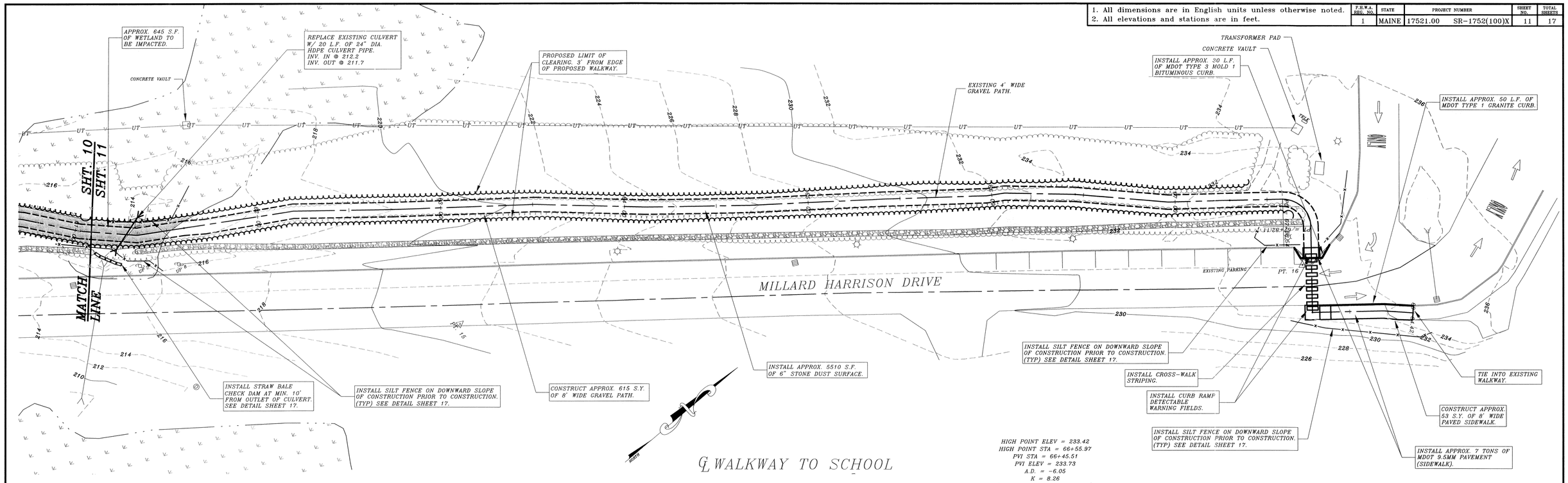
WALKWAY TO SCHOOL
PLAN & PROFILE
Sta. 54+00 To Sta. 61+00
READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

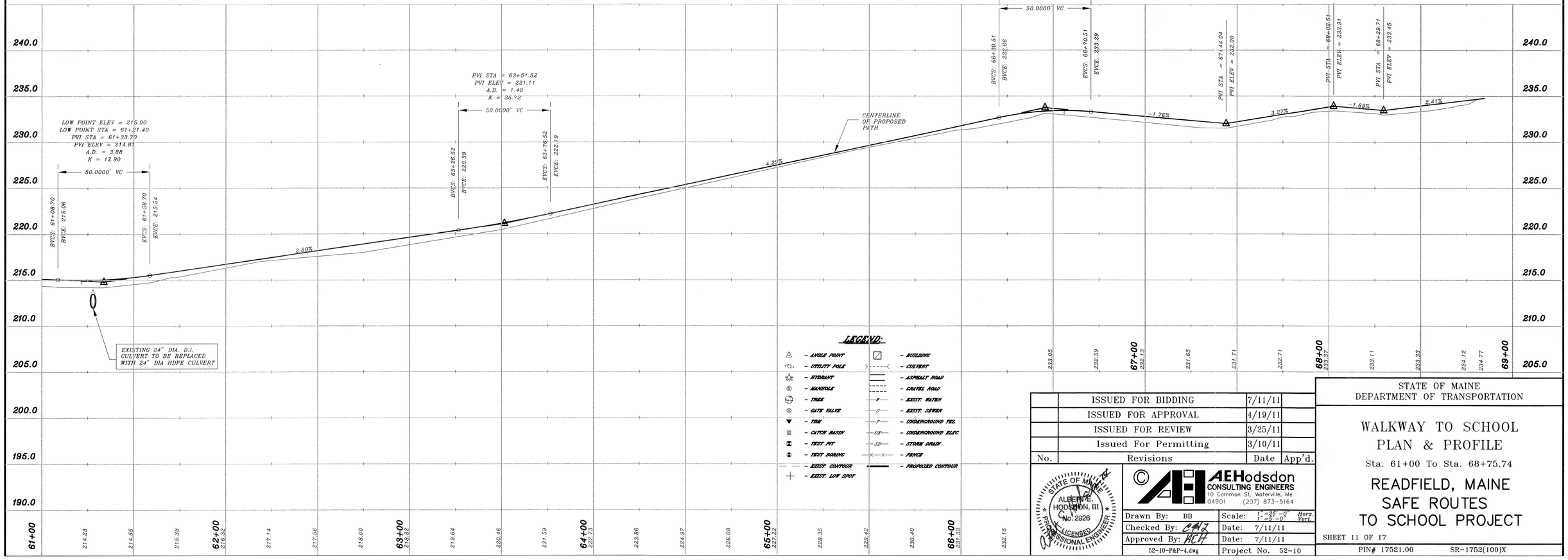
SHEET 10 OF 17

PIN# 17521.00 SR-1752(100)X

1. All dimensions are in English units unless otherwise noted.
2. All elevations and stations are in feet.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	17521.00 SR-1752(100)X	11	17





LEGEND:

ANGLE POINT	BUILDING
UTILITY POLE	CULVERT
HYDRANT	ASPHALT ROAD
MANHOLE	GRAVEL ROAD
TREE	EXIST. WATER
GATE VALVE	EXIST. SEWER
TBM	UNDERGROUND TEL.
CATCH BASIN	UNDERGROUND ELEC.
TEST PIT	STORM DRAIN
TEST BORING	FENCE
EXIST. CONTOUR	PROPOSED CONTOUR
EXIST. LOW SPOT	

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Checked By: CMH	Date:	7/11/11
Approved By: MCH	Date:	7/11/11
52-10-P&P-4.dwg	Project No.	52-10

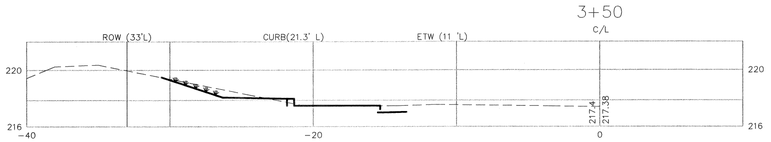
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

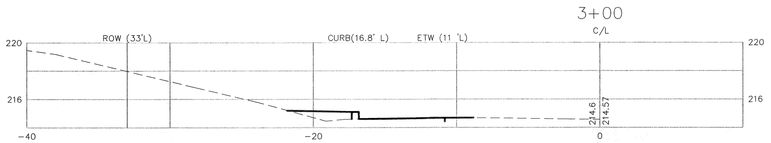
WALKWAY TO SCHOOL
PLAN & PROFILE
Sta. 61+00 To Sta. 68+75.74

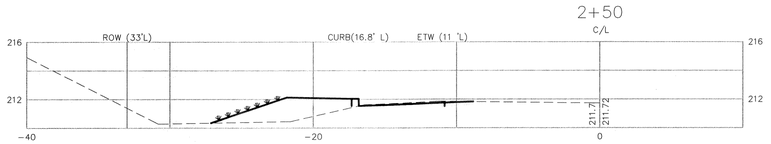
READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

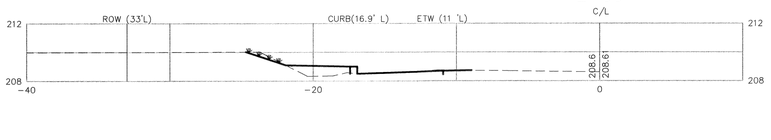
SHEET 11 OF 17

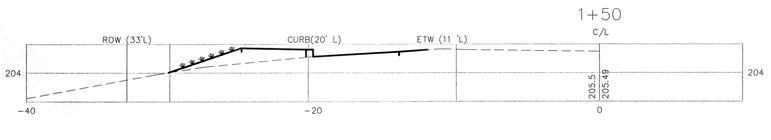
PIN# 17521.00 SR-1752(100)X

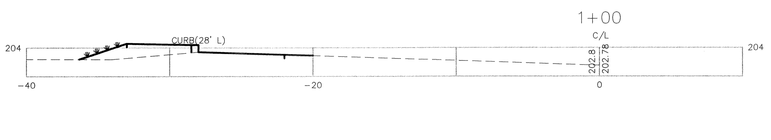


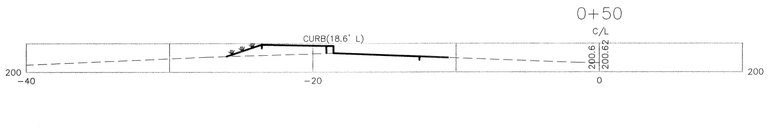


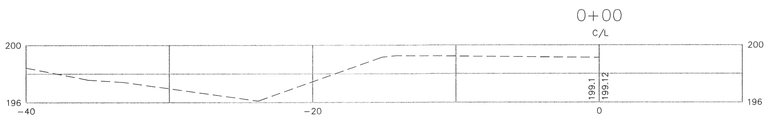


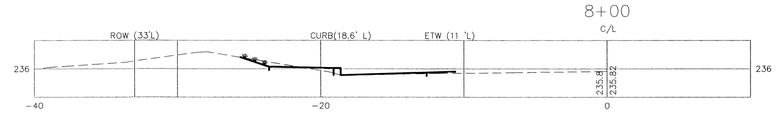


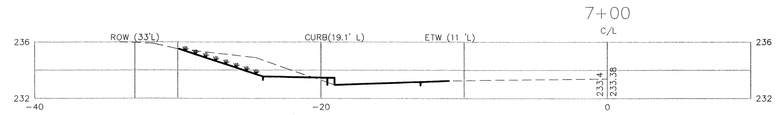


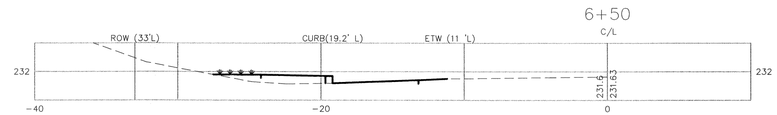


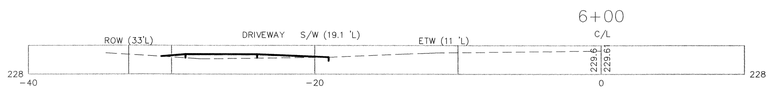


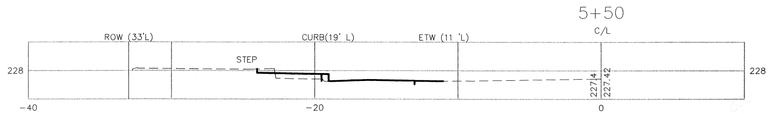


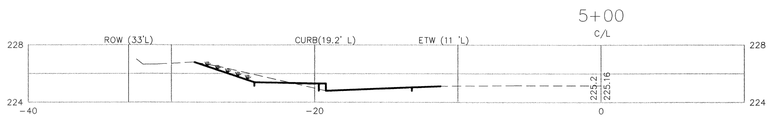


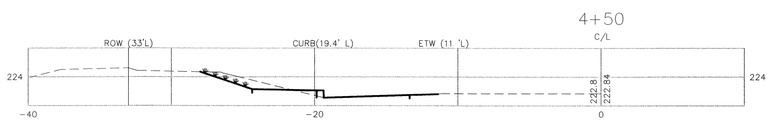


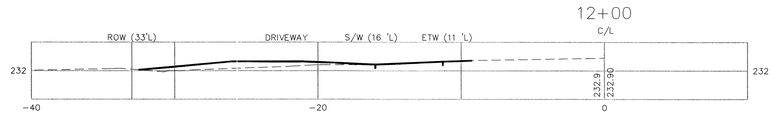


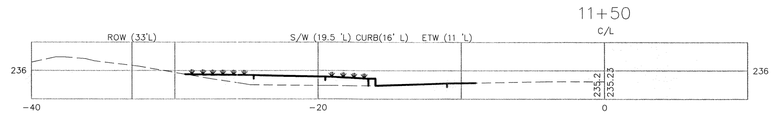


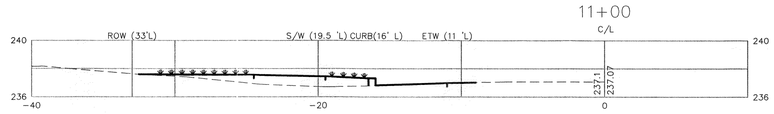


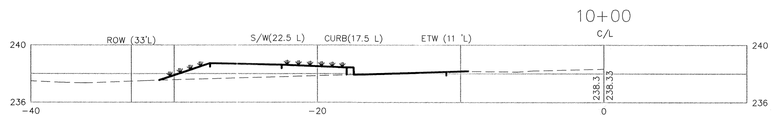


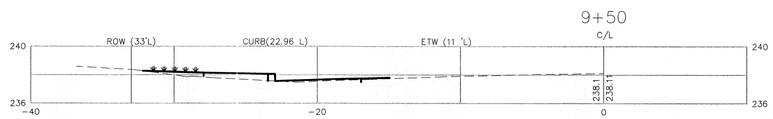


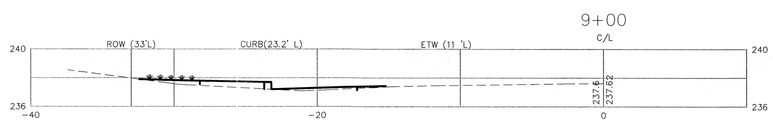


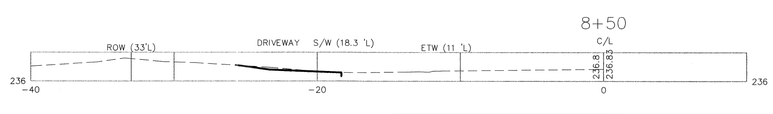












No.	Revisions	Date	App'd.
	ISSUED FOR BIDDING	7/11/11	
	ISSUED FOR APPROVAL	4/19/11	
	ISSUED FOR REVIEW	3/25/11	

STATE OF MAINE
ALBERT E. HODSON, III
No. 2926
LICENSED PROFESSIONAL ENGINEER

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10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale: 1"=5'-0" Horz. 1"=5'-0" Vert.
Checked By: CBH	Date: 7/11/11
Approved By: HEH	Date: 7/11/11
52-10-cross-section.dwg	Project No. 52-10

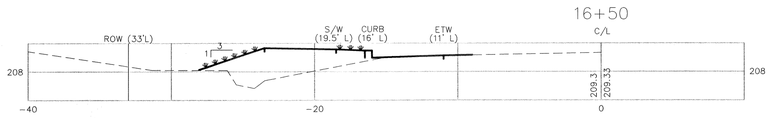
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

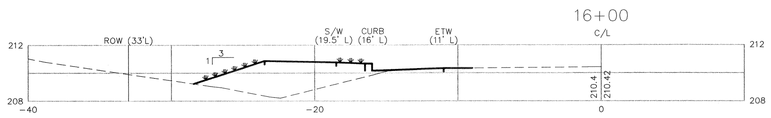
MAIN STREET (RT. 17)
CROSS SECTIONS
Sta. 0+00 To Sta. 12+00

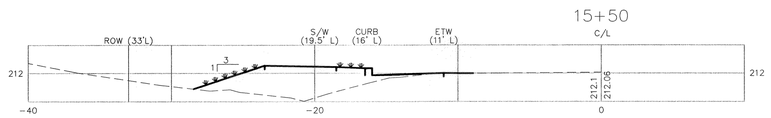
READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

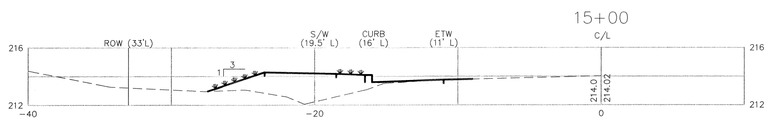
SHEET 12 OF 17

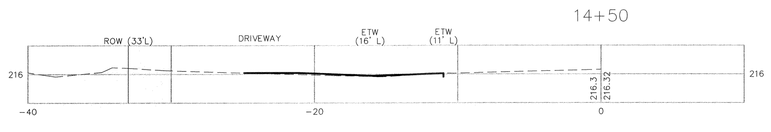
PIN# 17521.00 SR-1752(100)X

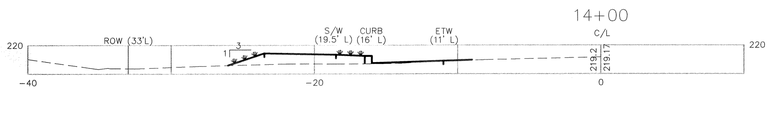


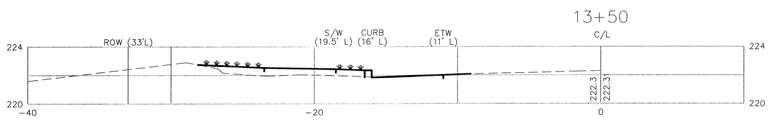


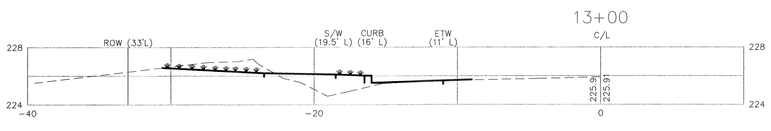


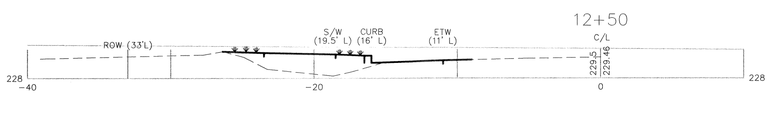


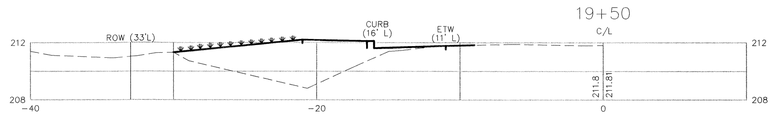


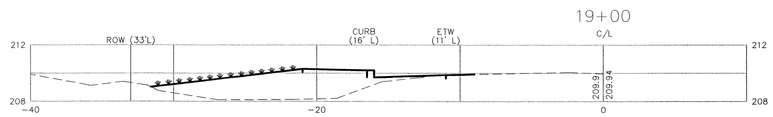


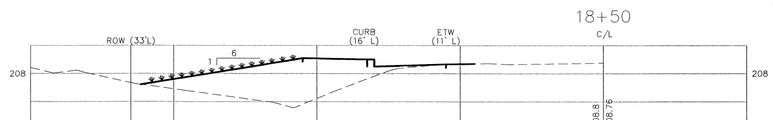


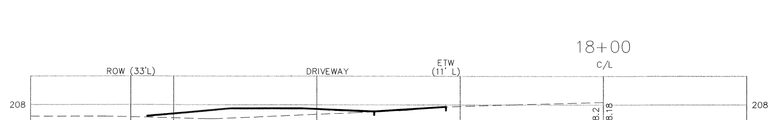


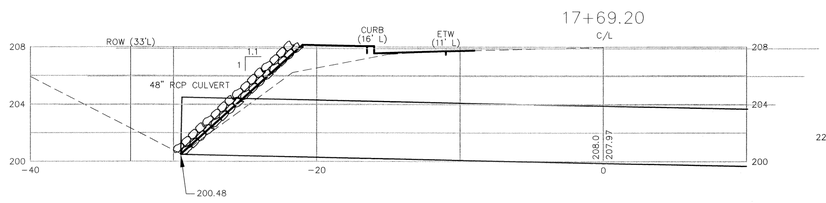


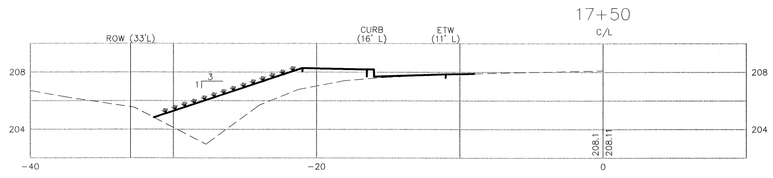


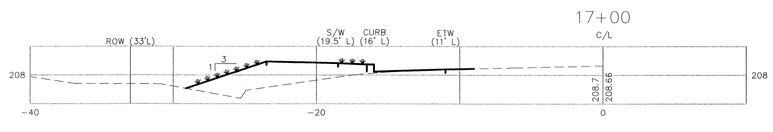


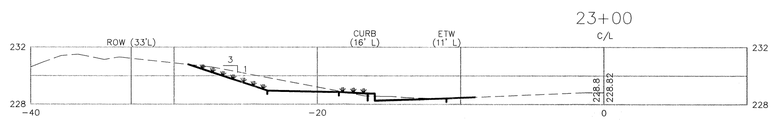


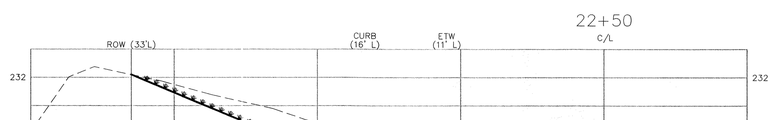


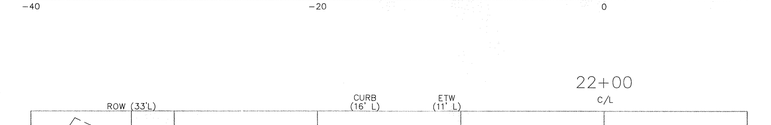


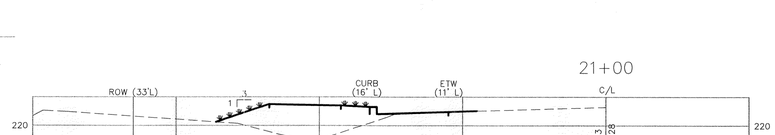


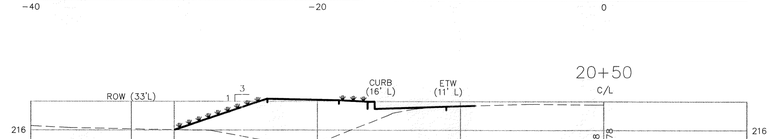


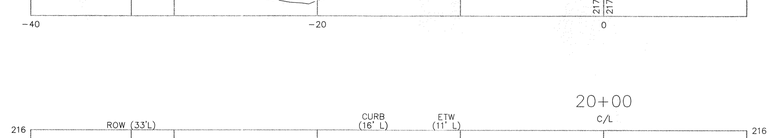












No.	Revisions	Date	App'd.
	ISSUED FOR BIDDING	7/11/11	
	ISSUED FOR APPROVAL	4/19/11	
	ISSUED FOR REVIEW	3/25/11	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MAIN STREET (RT. 17)
CROSS SECTIONS
Sta. 12+50 To Sta. 23+00

READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

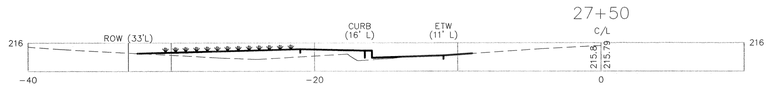
STATE OF MAINE
ALBERT E. HODSDON, III
No. 2926
LICENSED PROFESSIONAL ENGINEER

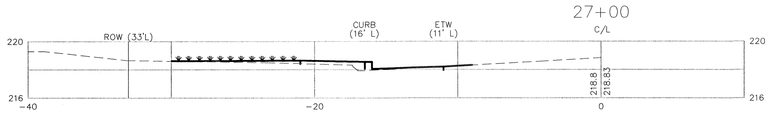
© A.E.Hodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

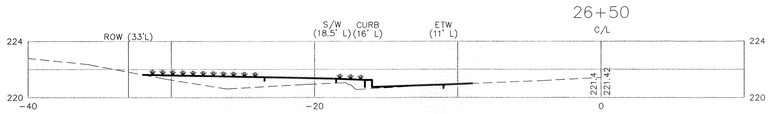
Drawn By: BB	Scale:	1"=5'-0" Horz. 1"=5'-0" Vert.	
Checked By: CAK	Date:	7/11/11	
Approved By: AEH	Date:	7/11/11	
52-10-cross-section.dwg	Project No.	52-10	

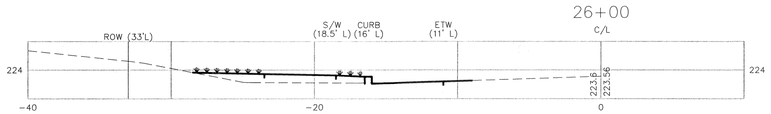
SHEET 13 OF 17

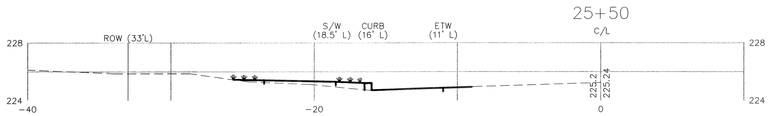
PIN# 17521.00 SR-1752(100)X

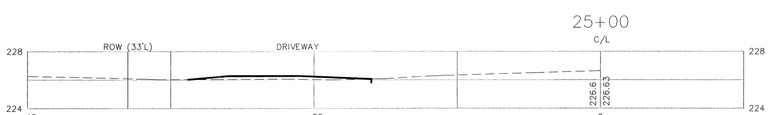


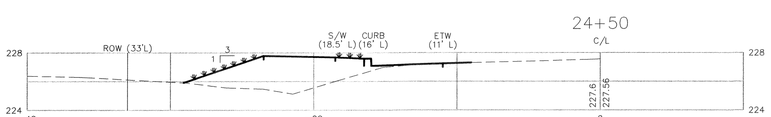


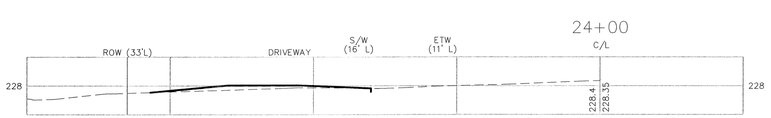


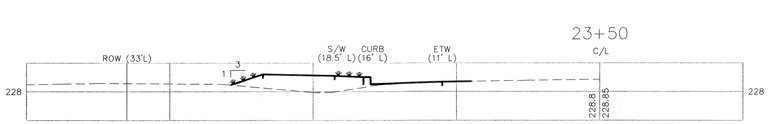


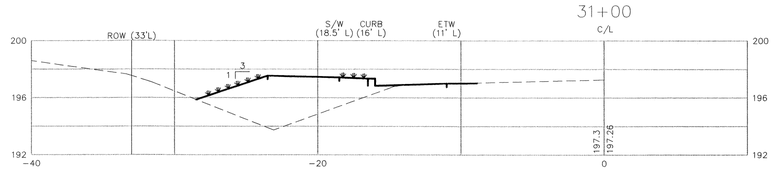


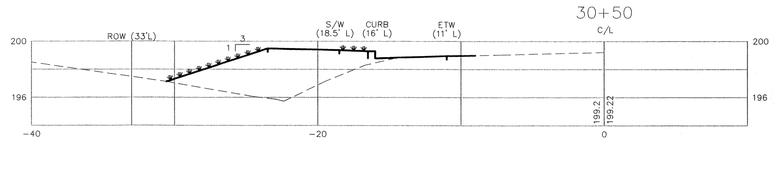


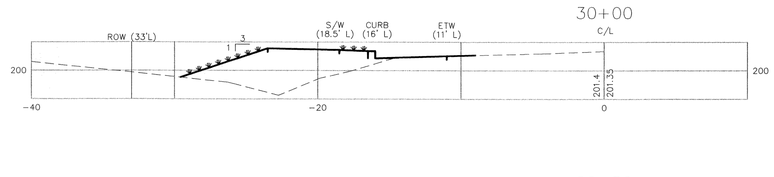


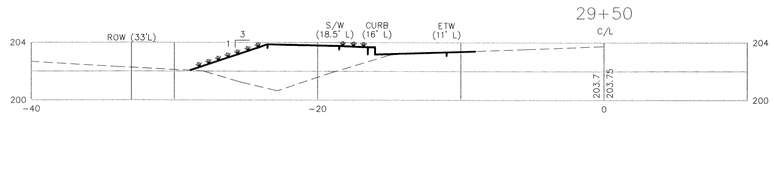


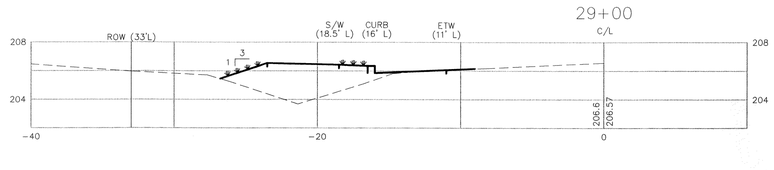


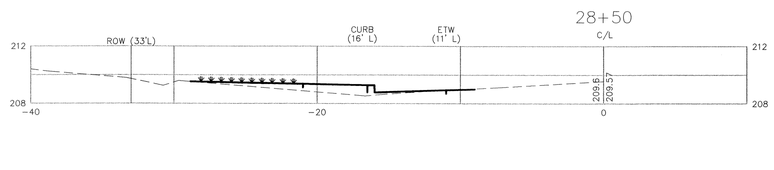


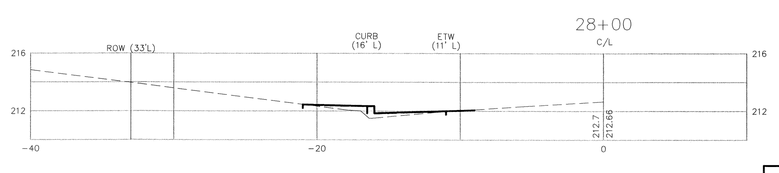


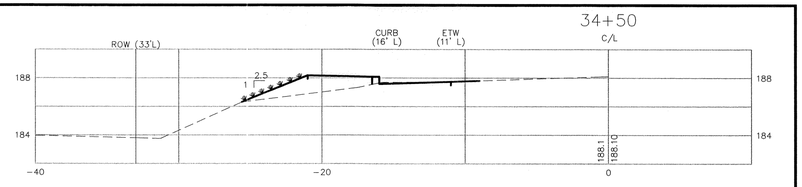


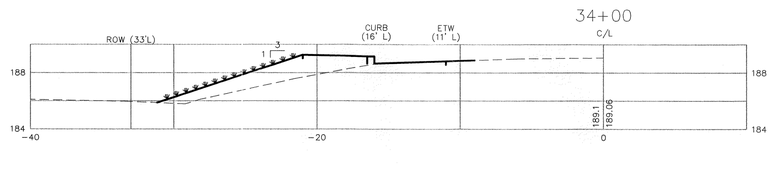


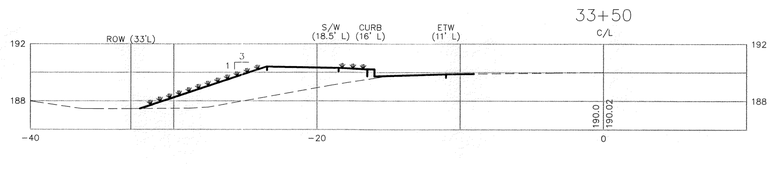


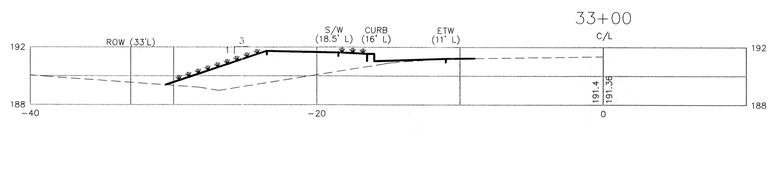


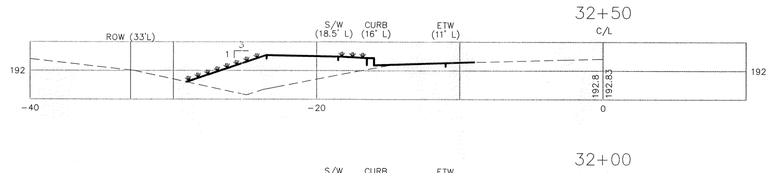


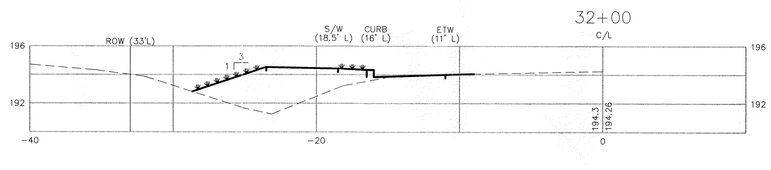


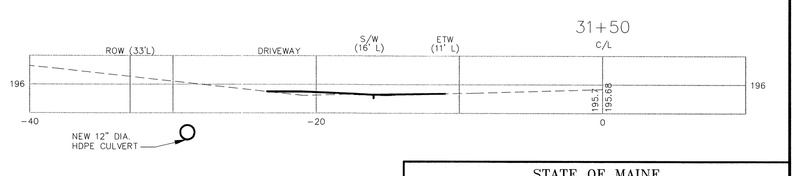












	ISSUED FOR BIDDING	7/11/11	
	ISSUED FOR APPROVAL	4/19/11	
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No.	Revisions	Date	App'd.

STATE OF MAINE
ALBERT E. HODGDON, III
No. 2926
LICENSED PROFESSIONAL ENGINEER

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A.E.Hodsdon
CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale:	1"=5'-0"	Horz.
Checked By: CHK		1"=5'-0"	Vert.
Approved By: WSH	Date:	7/11/11	
52-10-cross-section.dwg	Date:	7/11/11	
	Project No.	52-10	

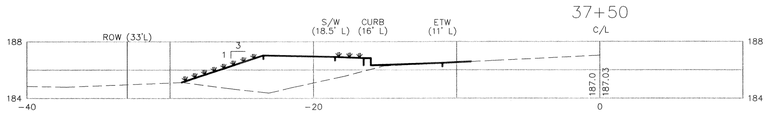
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

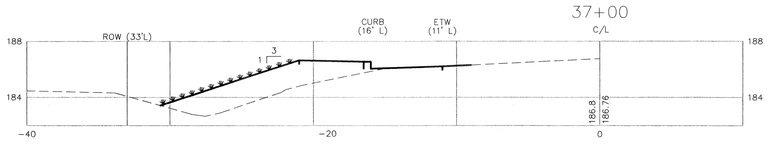
MAIN STREET (RT. 17)
CROSS SECTIONS
Sta. 23+50 To Sta. 34+50

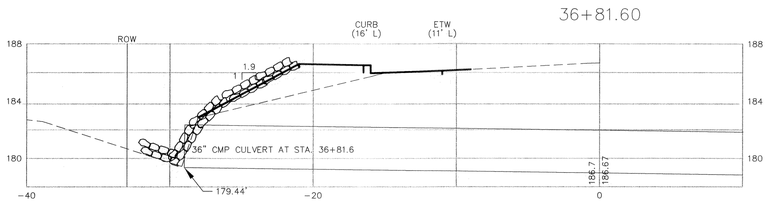
READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

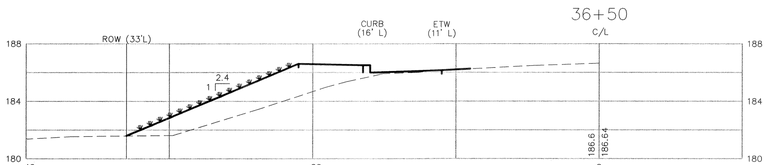
SHEET 14 OF 17

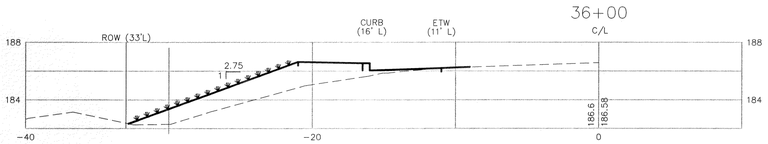
PIN# 17521.00 SR-1752(100)X

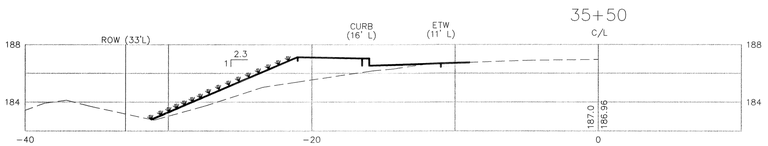


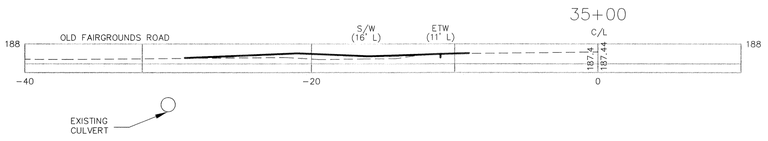




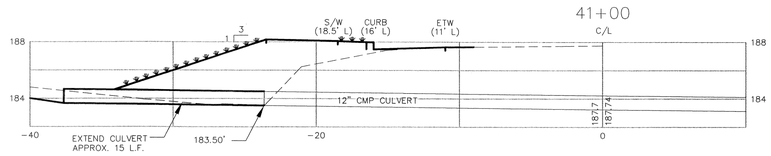


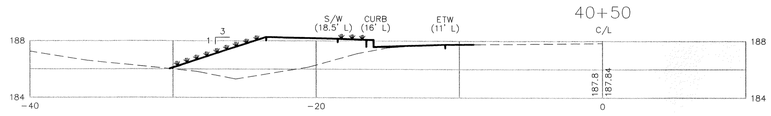


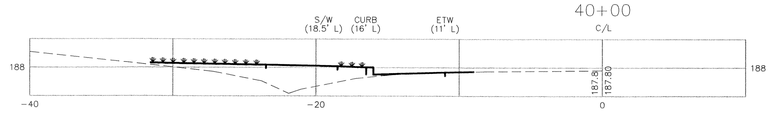


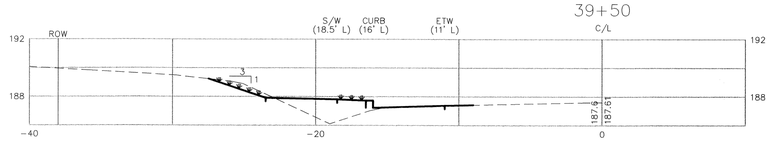


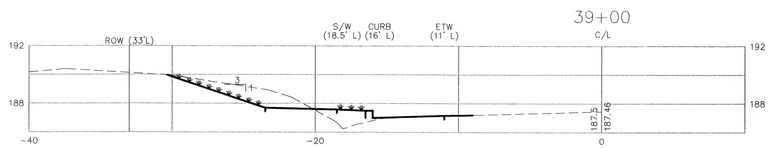
EXISTING CULVERT

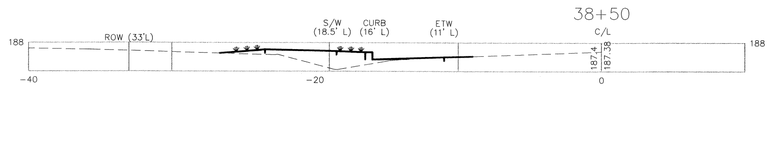


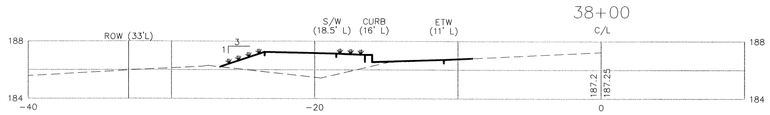


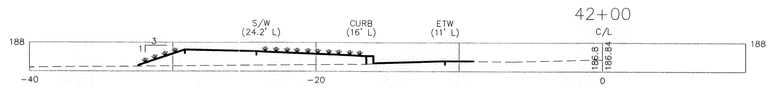


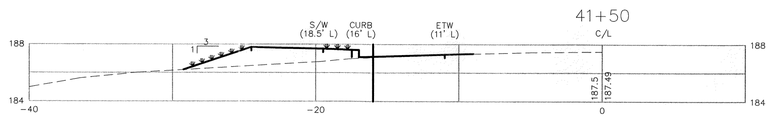












No.	Revisions	Date	App'd.
	ISSUED FOR BIDDING	7/11/11	
	ISSUED FOR APPROVAL	4/19/11	
	ISSUED FOR REVIEW	3/25/11	

ALBERT E. HODSDON, III
No. 2926
LICENSED PROFESSIONAL ENGINEER
STATE OF MAINE

© A.E.Hodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale: 1"=5'-0" Horz. 1"=5'-0" Vert.		
Checked By: CMR	Date: 7/11/11		
Approved By: MCH	Date: 7/11/11		
52-10-cross-section.dwg	Project No. 52-10		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

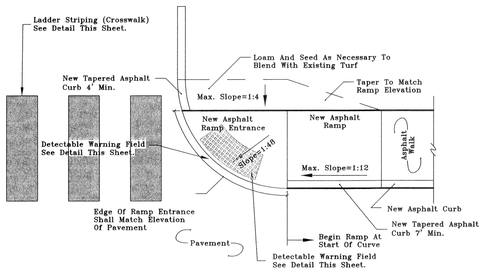
MAIN STREET (RT. 17)
CROSS SECTIONS
Sta. 35+00 To Sta. 42+00

READFIELD, MAINE
SAFE ROUTES TO SCHOOL PROJECT

SHEET 15 OF 17

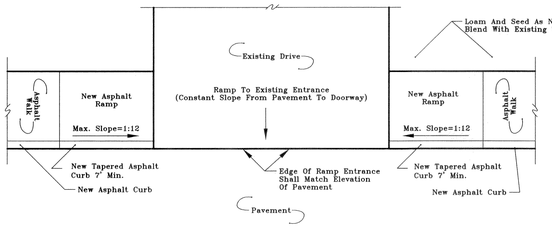
PIN# 17521.00 SR-1752(100)X

1. All dimensions are in English units unless otherwise noted.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
2. All elevations and stations are in feet.	1	MAINE	17521.00 SR-1752(100)X	16	17



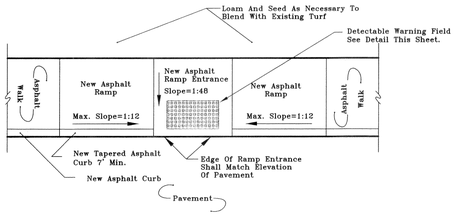
Typical Corner Ramp

Not To Scale



Typical Driveway Intersection

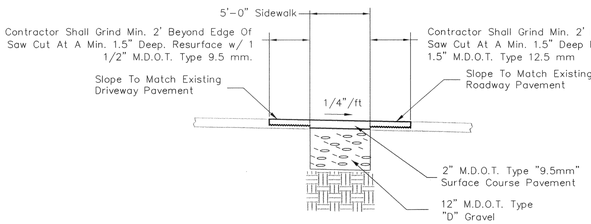
Not To Scale



Typical Ramp

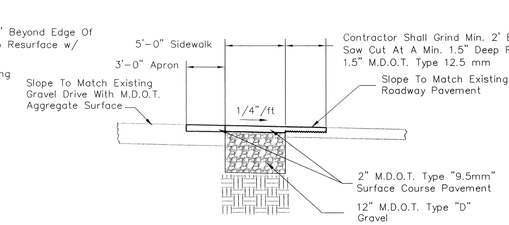
Not To Scale

Typical Handicapped Access Ramp Details



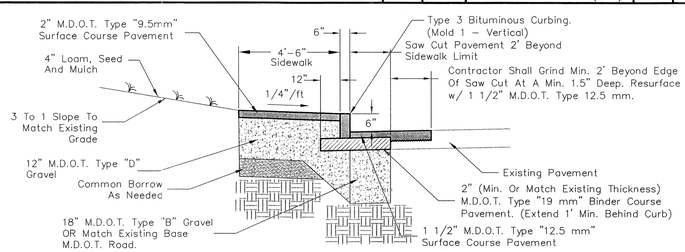
Typical Paved Driveway Crossing Detail

Not To Scale



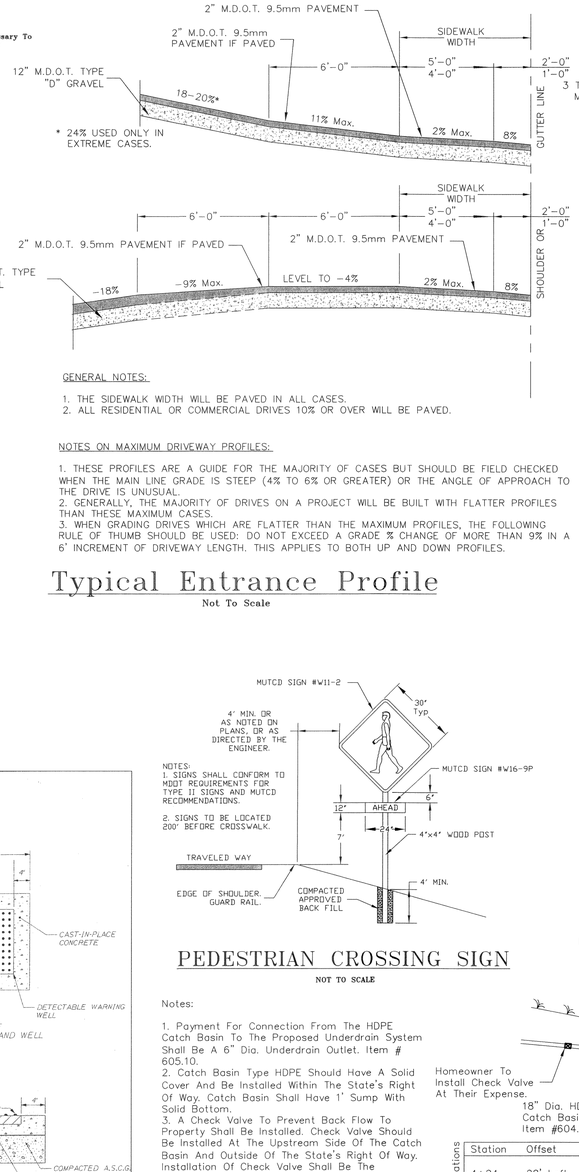
Typical Gravel Driveway Crossing Detail

Not To Scale



Typ. 5'-0" Wide Sidewalk W/ Bituminous Curb Cross Section Sta. 0+25 To 42+25

Not To Scale



GENERAL NOTES:

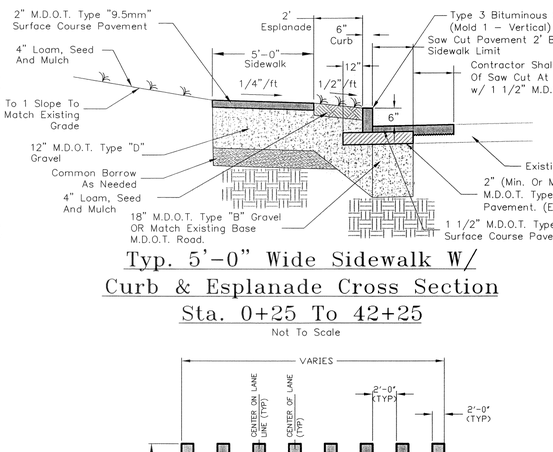
1. THE SIDEWALK WIDTH WILL BE PAVED IN ALL CASES.
2. ALL RESIDENTIAL OR COMMERCIAL DRIVES 10% OR OVER WILL BE PAVED.

NOTES ON MAXIMUM DRIVEWAY PROFILES:

1. THESE PROFILES ARE A GUIDE FOR THE MAJORITY OF CASES BUT SHOULD BE FIELD CHECKED WHEN THE MAIN LINE GRADE IS STEEP (4% TO 6% OR GREATER) OR THE ANGLE OF APPROACH TO THE DRIVE IS UNUSUAL.
2. GENERALLY, THE MAJORITY OF DRIVES ON A PROJECT WILL BE BUILT WITH FLATTER PROFILES THAN THESE MAXIMUM CASES.
3. WHEN GRADING DRIVES WHICH ARE FLATTER THAN THE MAXIMUM PROFILES, THE FOLLOWING RULE OF THUMB SHOULD BE USED: DO NOT EXCEED A GRADE % CHANGE OF MORE THAN 9% IN A 6' INCREMENT OF DRIVEWAY LENGTH. THIS APPLIES TO BOTH UP AND DOWN PROFILES.

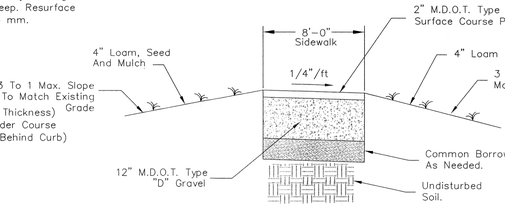
Typical Entrance Profile

Not To Scale



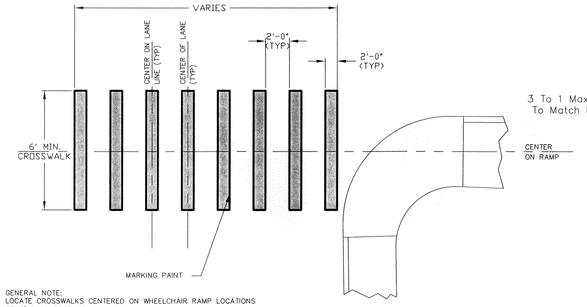
Typ. 5'-0" Wide Sidewalk W/ Curb & Esplanade Cross Section Sta. 0+25 To 42+25

Not To Scale



Typ. 8'-0" Wide Asphalt Sidewalk Cross Section Sta. 46+58 To 49+48

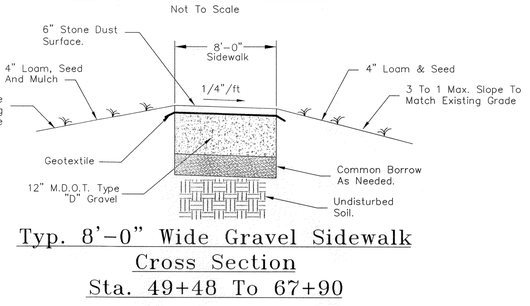
Not To Scale



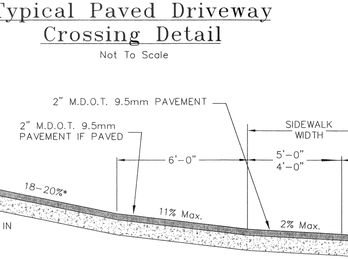
GENERAL NOTE:
LOCATE CROSSWALKS CENTERED ON WHEELCHAIR RAMP LOCATIONS OR 5' BACK EDGE OF PAVEMENT OR CURB FACE.

Ladder Stripe Crosswalk

Not To Scale



Typ. 8'-0" Wide Gravel Sidewalk Cross Section Sta. 49+48 To 67+90



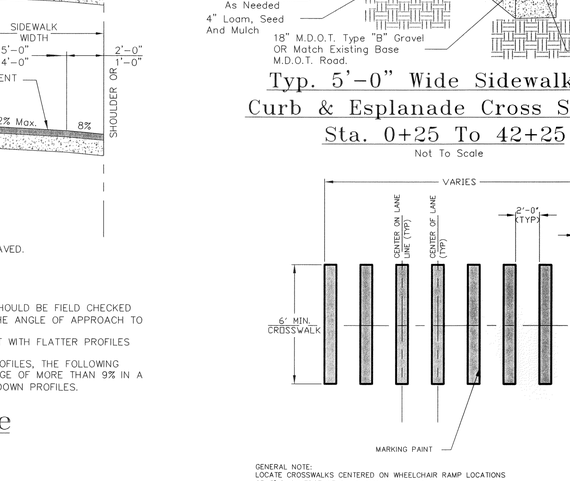
NOTES:
1. SIGNS SHALL CONFORM TO MDOT REQUIREMENTS FOR TYPE II SIGNS AND MUTCD RECOMMENDATIONS.
2. SIGNS TO BE LOCATED 200' BEFORE CROSSWALK.

PEDESTRIAN CROSSING SIGN

NOT TO SCALE

Typical Culvert Outlet

Not To Scale

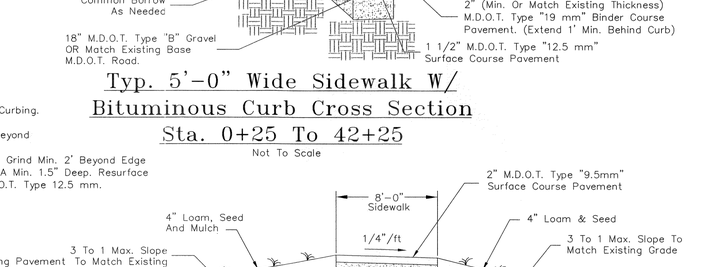


Known Locations

Station	Offset	Description
4+24	28' Left	4" Dia. PVC
6+47	28' Left	4" Dia. PVC
11+54	28' Left	4" Dia. PVC
18+59	25' Left	4" Dia. PVC
19+02	25' Left	2-2" Dia. PVC

M.D.O.T. Cellar Drain Connection Detail

Not To Scale



Typ. 8'-0" Wide Asphalt Sidewalk W/ Granite Curb Cross Section 68+17 To 68+75

Not To Scale

CURB RAMP

DETAILS

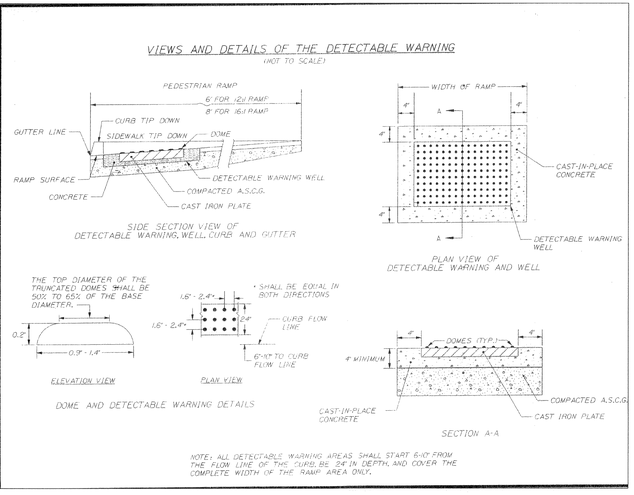
VIEWS AND DETAILS OF THE DETECTABLE WARNING

SHEET NUMBER 1

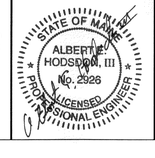
STATE OF MAINE DEPARTMENT OF TRANSPORTATION

VIEWS AND DETAILS OF THE DETECTABLE WARNING

(NOT TO SCALE)



No.	Revisions	Date	App'd.
	ISSUED FOR BIDDING	7/11/11	
	ISSUED FOR APPROVAL	4/19/11	
	ISSUED FOR REVIEW	3/25/11	
	Issued For Permitting	3/10/11	



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10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale: AS NOTED
Checked By: CWH	Date: 7/11/11
Approved By: ACH	Date: 7/11/11
File No. 52-10-detail.dwg	Project No. 52-10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND MISCELLANEOUS DETAILS

READFIELD, MAINE SAFE ROUTES PROJECT

SHEET 16 OF 17

PIN# 17521.00 SR-1752(100)X

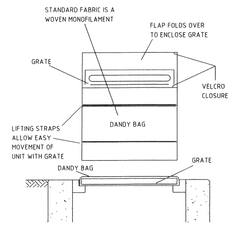
1. All dimensions are in English units unless otherwise noted.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
2. All elevations and stations are in feet.	1	MAINE	17521.00 SR-1752(100)X	17	17

Dandy Bag Plan Insert

The patented Dandy Bag® is designed for use with flat grates (including round) and mountable curbs to detain sediment-laden storm water. The suspended solids are allowed to settle out of the slowed flow prior to entering the Dandy Bag®.

Installation

1. Stand the grate on end
2. Place the Dandy Bag® over the grate
3. Roll the grate over so that the open end is up
4. Pull up the slack
5. Tuck the flap in
6. Press the velcro strips together
7. Be sure that the end of the grate is completely covered by the flap or the Dandy Bag® will not work properly
8. Holding the handles, carefully place the Dandy Bag® with the grate inserted into the catch basin frame



Maintenance

To insure proper operation remove silt, sediment, and debris from the surface and the vicinity of the unit with a square point shovel or stiff bristle broom away from environmentally sensitive areas and waterways in manner satisfactory to the engineer/inspector. Remove fine material from inside Dandy Bag® as needed. Dispose of Dandy Bag® no longer in use at an appropriate recycling or solid waste facility.

Inlet Inspection

To inspect inlet, remove Dandy Bag® with grate inside, inspect catch basin and replace Dandy Bag back into grate frame.

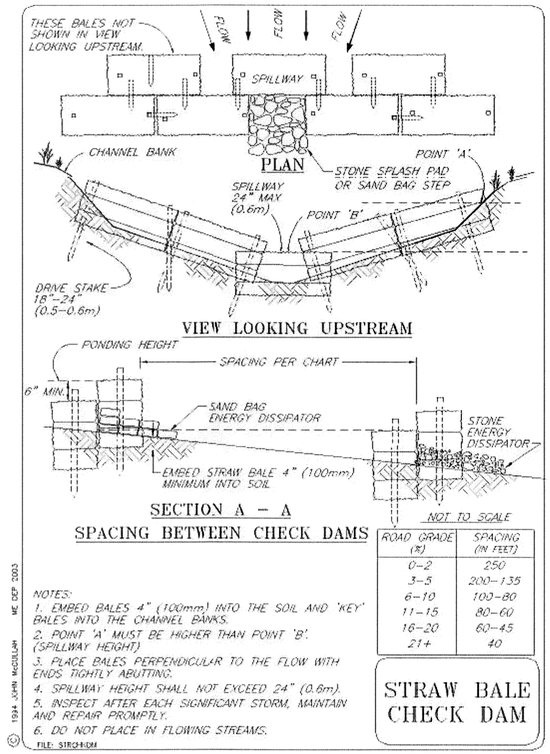
Ponding is likely if sediment is not removed regularly. The Dandy Bag must never be used where overflow may endanger an exposed slope. The Dandy Bag is not intended for any other use and should not be used for any other purpose

DANDY PRODUCTS, INC.
2011 Harrisburg Pike, Suite R
Grove City, Ohio 43123

1-800-591-2284
(local) 614-875-2284
FAX: 614-875-6305
E-MAIL: dandy@dandyproducts.com
www.dandyproducts.com

PLAN NOTES

1. EXISTING UTILITIES: EXISTING UTILITIES HAVE BEEN IDENTIFIED FROM FIELD SURVEYS AND EXISTING RECORDS. THE ENGINEER AND OWNER MAKE NO GUARANTEE OF THE ACCURACY OF THE LOCATIONS AS SHOWN ON THE PLANS. IN ADDITION, UTILITIES THAT EXIST MAY NOT BE SHOWN ON THE PLANS. INDIVIDUAL WATER OR SEWER SERVICES ARE GENERALLY NOT SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE INTEGRITY OF ALL EXISTING UTILITIES INCLUDING INDIVIDUAL SERVICES WHETHER OR NOT THEY ARE SHOWN CORRECTLY OR SHOWN AT ALL ON THE PLANS. CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL DIG-SAFE PROCEDURES AND CONTACTING NON DIG-SAFE UTILITIES TO MARK THEIR UNDERGROUND UTILITIES BEFORE CONSTRUCTION BEGINS. REPAIR OF DAMAGED UTILITIES SHALL BE AT THE CONTRACTOR'S EXPENSE. NO DAMAGED UTILITIES SHALL BE BACKFILLED UNTIL THE OWNER'S REPRESENTATIVE INSPECTS AND APPROVES THE REPAIR.
2. TEMPORARY EROSION CONTROL SHALL BE INSTALLED BEFORE CONSTRUCTION BEGINS.
3. TEST PITS SHALL BE COMPLETED BEFORE CONSTRUCTION BEGINS.
4. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT. IF TRENCH IS NOT BACKFILLED, SECURE WITH CONCRETE BARRIERS AND STEEL PLATE OVER TRENCH.
5. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL UTILITY FOR HOLDING UTILITY POLES AS NEEDED. COST FOR THIS WORK WILL BE PAID BY THE CONTRACTOR.
6. CONTRACTOR SHALL KEEP DAILY FIELD NOTES AND ACCURATE SWING TIES TO ALL EXISTING AND NEW UTILITIES INCLUDING APPARENTLY ABANDONED UTILITIES. THIS INFORMATION SHALL BE FURNISHED TO THE OWNER/ENGINEER ON A WEEKLY BASIS AND PRIOR TO PROJECT COMPLETION.
7. WATER/SEWER SERVICE SHALL BE MAINTAINED TO CUSTOMERS AT ALL TIMES. NO ADDITIONAL CHARGES WILL BE PAID FOR TEMPORARY SERVICES NEEDED.
8. THE CONTRACTOR SHALL USE TRENCH BOXES AND FOLLOW OSHA SAFETY REQUIREMENTS AT ALL TIMES WHILE COMPLETING CONSTRUCTION WORK.
9. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH MUTCD RECOMMENDATIONS, LATEST REVISION AND STATE AND LOCAL LAWS.
10. LOAM MUST BE ROLLED AND OF UNIFORM GRADE BEFORE SEEDING AND MULCHING.
11. ALL PAVEMENT SHALL BE CUT UNIFORMLY PRIOR TO EXCAVATION.
12. EXISTING WALKWAYS SHALL BE SAW-CUT AT THE BACK EDGE OF NEW SIDEWALK AND TIED IN (INCIDENTAL).
13. ALL SIGNS, EXCEPT FOR "NO PARKING", SHALL BE RELOCATED BEHIND THE SIDEWALK.



ROAD GRADE (%)	SPACING (IN FEET)
0-2	250
3-5	200-135
6-10	100-80
11-15	80-60
16-20	60-45
21+	40

NOTES:
1. EMBED BALES 4" (100mm) INTO THE SOIL AND 'KEY' BALES INTO THE CHANNEL BANKS.
2. POINT 'A' MUST BE HIGHER THAN POINT 'B'. (SPILLWAY HEIGHT)
3. PLACE BALES PERPENDICULAR TO THE FLOW WITH ENDS TIGHTLY ABUTTING.
4. SPILLWAY HEIGHT SHALL NOT EXCEED 24" (0.6m).
5. INSPECT AFTER EACH SIGNIFICANT STORM, MAINTAIN AND REPAIR PROMPTLY.
6. DO NOT PLACE IN FLOWING STREAMS.

STRAW BALE CHECK DAM

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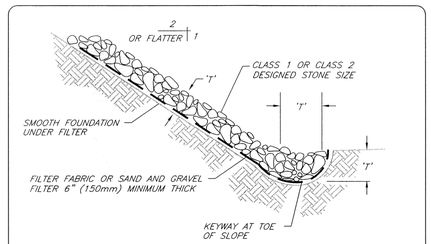
FILE: STRCHKDM

NOTE:

SEE LATEST REVISION OF MDOT's STANDARD SPECIFICATIONS FOR LOAM, SEED AND MULCHING REQUIREMENTS. TEMPORARY MULCHING SHALL BE DONE ACCORDING TO THE CONTRACTORS SOIL EROSION WATER POLLUTION CONTROL PLAN (SEWPCP) AND DEP's BEST MANAGEMENT PRACTICES. (BMP) IT SHALL BE A REQUIREMENT OF THIS CONTRACT THAT ANY DISTURBED AREA SHOULD BE MULCHED WITHIN SEVEN (7) DAYS OF DISTURBANCE, PRIOR TO ANY STORM EVENT, AND PRIOR TO ANY WORK SHUTDOWN LASTING MORE THAN TWENTY-FOUR (24) HOURS INCLUDING WEEKENDS.

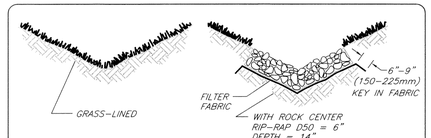


TYPICAL SECTION

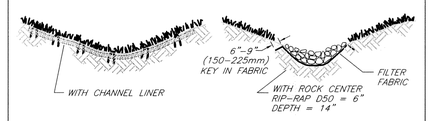
NOTE:
'T' = THICKNESS: THICKNESS SHALL BE DETERMINED BY THE ENGINEER.

MINIMUM THICKNESS SHALL BE 1.5x THE MAXIMUM STONE DIAMETER, NEVER LESS THAN 6" (150mm).

RIPRAP PROTECTION

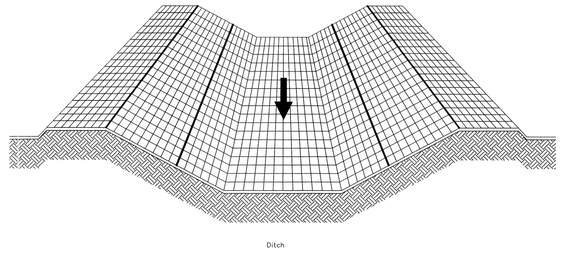


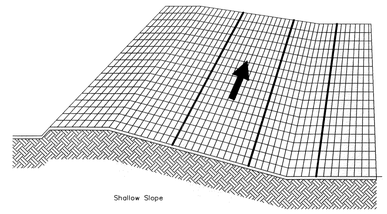
TYPICAL V-SHAPED CHANNEL CROSS-SECTION

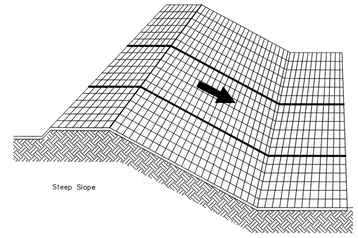


TYPICAL PARABOLIC CHANNEL CROSS-SECTION

GRASS-LINED CHANNEL TYPICAL CROSS SECTIONS


Ditch


Shallow Slope


Steep Slope

1. Where There Is A Berm At The Top Of The Slope, Bring The Netting (Jute Thatching) Over The Berm And Anchor It Behind The Berm
2. Bring Netting Down To A Level Area Before Terminating The Installation. Turn The End Under 6" And Staple At 12" Intervals.
3. On Steep Slopes, Apply Strips Of Netting Parallel To The Direction Of Flow And Anchor Securely
4. Anchor Slot: Bury The Up-Channel End Of The Net In A 6" Deep Trench. Tamp The Soil Firmly. Staple At 12" Intervals Across The Net.
5. Overlap: Overlap Edges Of The Strips At Least 4". Staple Every 3'-0" Down The Center.
6. On Shallow Slopes, Strips Of Netting May Be Applied Across The Slope
7. In Ditches, Apply Netting Parallel To The Direction Of Flow. Use Check Slots Every 15 Feet. Do Not Join Strips In The Center Of The Center.

Note: All Waterways To Be Treated With Jute Netting Or Similar Within One Day Of Constructing The Waterway Or Any Portion Of It. Netting Also To Be Used On Slopes >15%

Orientation Of Netting

Not To Scale

STABILIZATION NOTES:

Waterways Shall Be Stabilized In Accordance With The Appropriate Standard And Specification For Vegetative Measures.

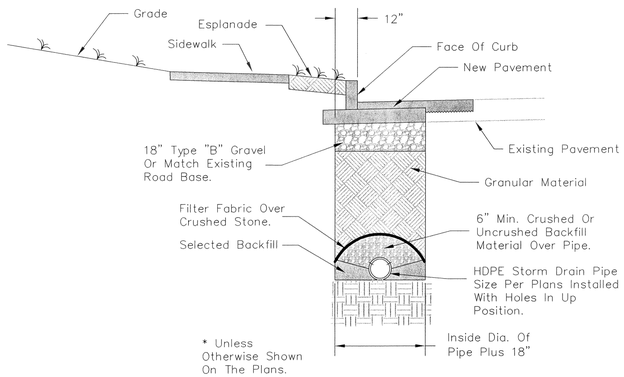
1. All Trees, Brush, Stumps, Obstructions And Other Objectionable Material Shall Be Removed And Disposed Of So As Not To Interfere With The Proper Functioning Of The Waterway.
2. The Waterway Shall Be Excavated Or Shaped To Line, Grade, And Cross Section As Required To Meet The Criteria Specified Herein, And Be Free Of Bank Projections Or Other Irregularities Which Will Impede Normal Flow.
3. Fills Shall Be Compacted As Needed To Prevent Unequal Settlement That Would Cause Damage In The Completed Waterway.
4. All Earth removed and Not Needed In Construction Shall Be Spread Or Disposed Of So That It Will Not Interfere With The Functioning Of The Waterway.
5. Construction Operations Shall Be Carried Out In Such A Manner That Erosion And Air and Water Pollution Will Be Minimized. State and Local Laws Will Be Complied With.
6. Stabilization Shall Be Done According To The Appropriate Standard And Specifications For Vegetative Practices.

All Disturbed Areas To Be Revegetated As Follows:

Hay Mulch	2 Bales/1000 sq. ft.
Ground Limestone	138 lb./1000 sq. ft.
Fertilizer 10-20-20	18.4 lb./1000 sq. ft.
SEED MIX	
Creeping Red Fescue	0.46 lb./1000 sq. ft.
Red Top	0.05 lb./1000 sq. ft.
Tall Fescue	0.46 lb./1000 sq. ft.

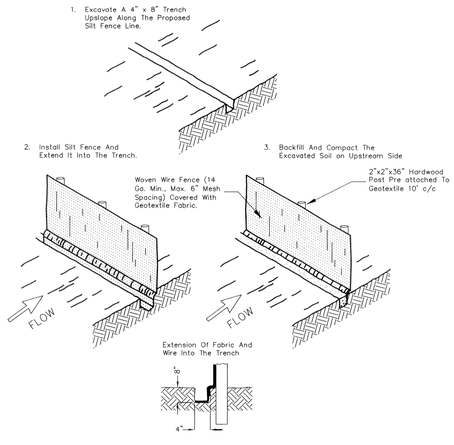
EMBANKMENT SEEDING MIXTURE

Species	Varieties	Lb. Per Acre
Flatpea	Lathco	10.0
Perennial Pea	Lancer	2.0
Crownvetch	Penngift, Chemug	10.0
Tall Fescue	Ky-31, Rebel, Ken-Hi	10.0



M.D.O.T. Type "C" Underdrain Detail

Not To Scale



TYPICAL SILT FENCE DETAIL

NOT TO SCALE

No.	Revisions	Date	App'd.
	ISSUED FOR BIDDING	7/11/11	
	ISSUED FOR APPROVAL	4/19/11	
	ISSUED FOR REVIEW	3/25/11	
	Issued For Permitting	3/10/11	

STATE OF MAINE * ALBERT E. HODSDON, III No. 2926 * LICENSED PROFESSIONAL ENGINEER

© AEHodsdon CONSULTING ENGINEERS
10 Common St. Waterville, Me. 04901 (207) 873-5164

Drawn By: BB	Scale: AS NOTED
Checked By: CAH	Date: 7/11/11
Approved By: AEH	Date: 7/11/11
File No. 52-10-detail.dwg	Project No. 52-10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL AND STORM WATER DETAILS

READFIELD, MAINE SAFE ROUTES PROJECT

SHEET 17 OF 17

PIN# 17521.00 SR-1752(100)X