STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TMSI

PLAN LEGEND

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

STANDISH
CUMBERLAND COUNTY
ROUTE 35 / WHITES BRIDGE ROAD
STP-1275(700)X
PROJECT LENGTH : 0.188 mi.

INDEX OF SHEETS

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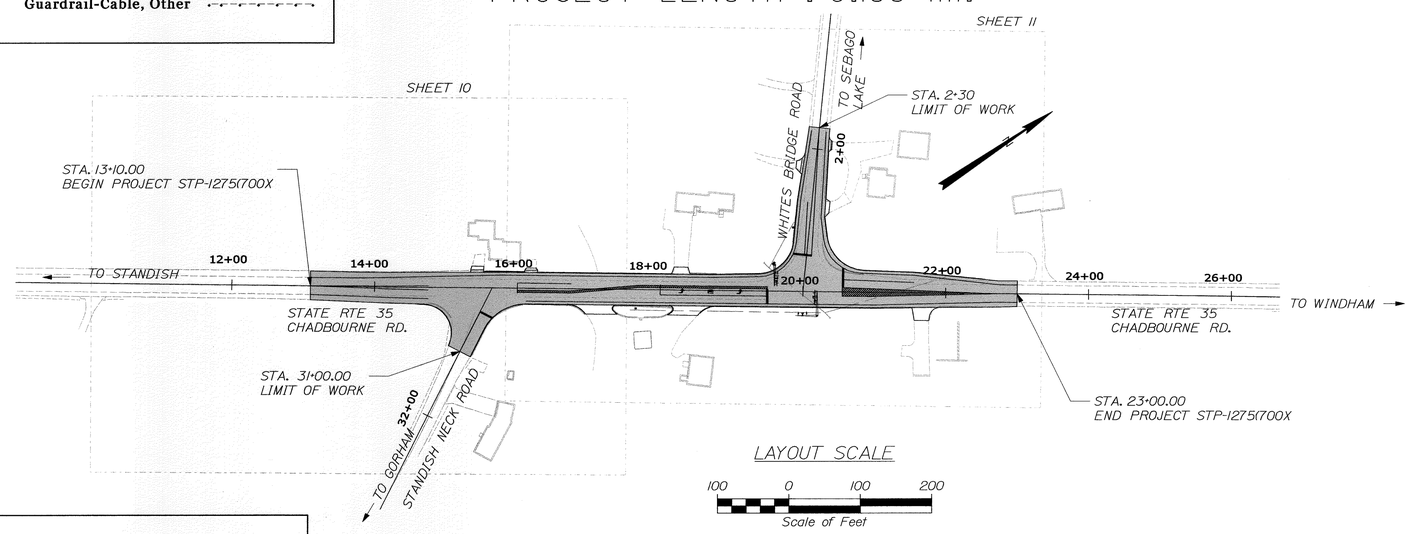
Cross - Sections	14-35



TRAFFIC DATA

	SR 35 NE/O White's Bridge Road	SR 35 SW/O Standish Neck Road	WHITES BRIDGE ROAD W/O SR 35
Latest AADT (Year)	10240(2006)	9,510(2006)	4,520(2006)
Current (2012) AADT	10,240	9,510	4,520
Future (2032) AADT	12,290	11,410	5,420
DHV - % of AADT	9%	11%	10%
Design Hour Volume	1,133	1,249	518
% Heavy Trucks (AADT)	5%	5%	3%
% Heavy Trucks (DHV)	2%	2%	2%
Directional Distribution (DHV)	63%	62%	52%
18 kip Equivalent P 2.0	399	384	89
18 kip Equivalent P 2.5	380	366	85
Design Speed (mph)	40	40	40
Functional Classification	Maj. Coll.	Maj. Coll.	Local

PROJECT LOCATION:	INTERSECTION OF ROUTE 35 AT WHITE'S BRIDGE ROAD
PROGRAM AREA:	TRAFFIC
SCOPE OF WORK:	INTERSECTION IMPROVEMENTS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED — DATE
COMMISSIONER: 11/16/12
CHIEF ENGINEER: 11-15-12

STATE OF MAINE — JAMES L. EASON No. 7960 — LICENSED PROFESSIONAL ENGINEER
SIGNATURE
7960 — P.E. NUMBER
NOVEMBER 9, 2012 — DATE

PROJECT INFORMATION

PROGRAM	
PROJECT MANAGER	BRIAN KEEZER
DESIGNER	TRAFFIC
CONSULTANT	A.GODFREY/J.EASON
PROJECT RESIDENT	TERRA MAGNA SERVICES, INC.
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN 12757.00

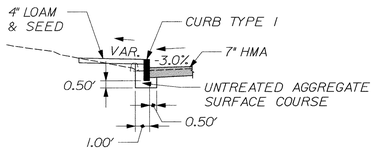
STP-1275(700)X

STANDISH
ROUTE 35 /
WHITES BRIDGE RD.

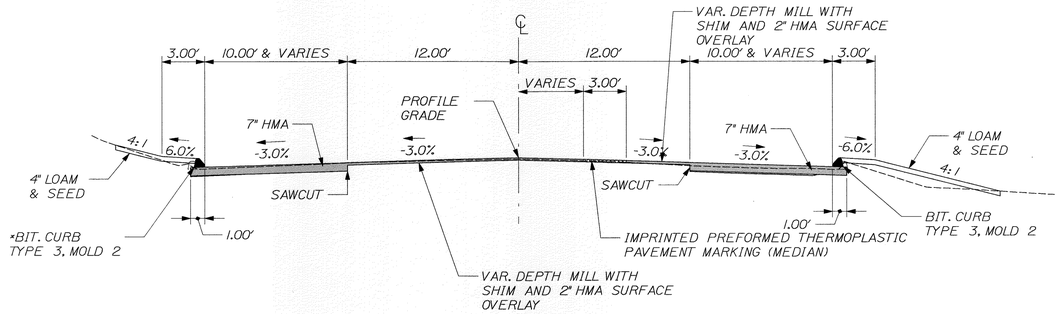
TITLE SHEET

SHEET NUMBER
1
OF 35

Filename: ...\HIGHWAY\MSTA\001_Title_01.dgn Division: HIGHWAY Username: jeason Date:11/14/2012



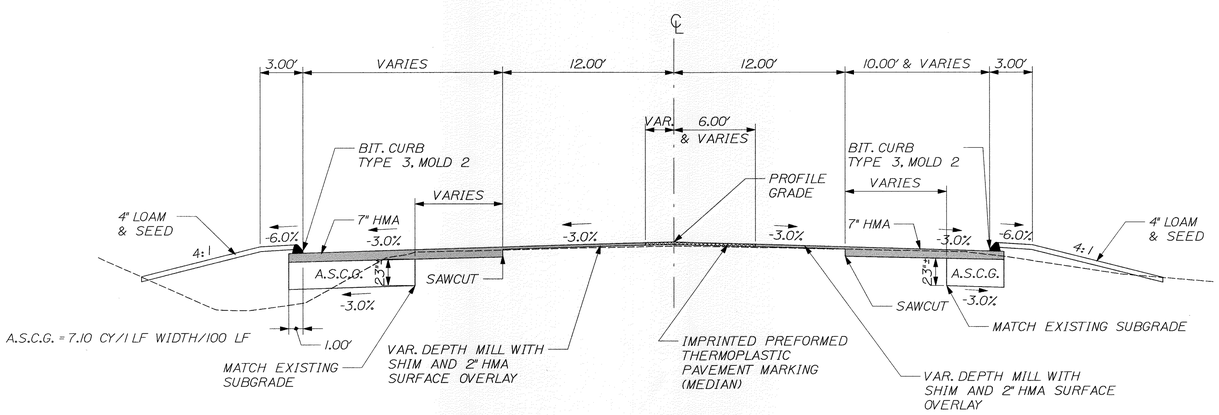
* STA. 15+52.5 LT. TO STA. 16+10.1 LT.



SAWCUT AND REMOVE EXISTING SHOULDER PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 6". REGRADE EXISTING SUBBASE TO DRAIN AND PLACE VARIABLE DEPTH UNTREATED AGGREGATE SURFACE COURSE. REGRADING SHALL BE INCIDENTAL TO ITEM 411.09.

ROUTE 35

STA. 13+15 TO STA. 20+00



ROUTE 35

STA. 20+00 TO STA. 22+95

SAWCUT AND REMOVE EXISTING SHOULDER PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 6". REGRADE EXISTING SUBBASE TO DRAIN AND PLACE VARIABLE DEPTH UNTREATED AGGREGATE SURFACE COURSE. REGRADING SHALL BE INCIDENTAL TO ITEM 411.09.

NOTE:

1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER'S PAVEMENT SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVEL WAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE ALGEBRAIC DIFFERENCE BETWEEN SHOULDER AND TRAVEL LANE CROSS SLOPE'S "ROLLOVER" SHALL NOT EXCEED 8%.
5. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
6. A.S.C.G. = AGGREGATE SUBBASE COURSE - GRAVEL
H.M.A. = HOT MIX ASPHALT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

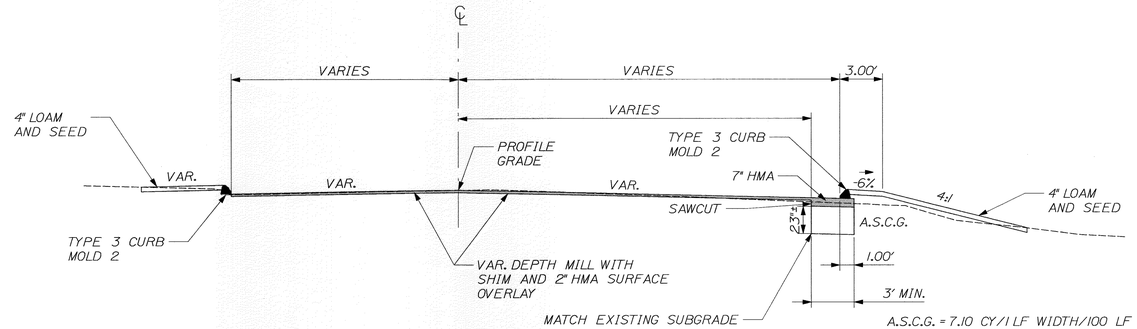
PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35

TYPICAL SECTIONS

SHEET NUMBER
2
OF 35

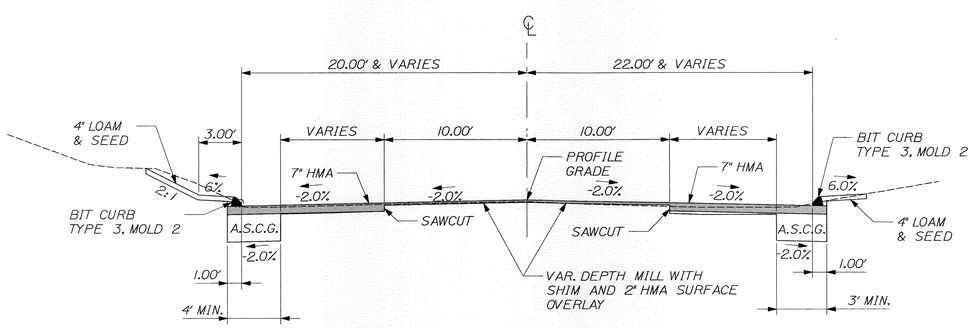
Filename: ...\MSTA\002_Typical_001.dgn Division: HIGHWAY Username: jeason Date:11/12/2012



SAWCUT AND REMOVE EXISTING SHOULDER PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 6". REGRADE EXISTING SUBBASE TO DRAIN AND PLACE VARIABLE DEPTH UNTREATED AGGREGATE SURFACE COURSE. REGRADING SHALL BE INCIDENTAL TO ITEM 411.09.

STANDISH NECK ROAD

STA. 30+50 TO STA. 31+00



SAWCUT AND REMOVE EXISTING SHOULDER PAVEMENT AND AGGREGATE TO ESTIMATED DEPTH OF 6". REGRADE EXISTING SUBBASE TO DRAIN AND PLACE VARIABLE DEPTH UNTREATED AGGREGATE SURFACE COURSE. REGRADING SHALL BE INCIDENTAL TO ITEM 411.09.

WHITE'S BRIDGE ROAD

STA. 0+50 TO STA. 2+30

NOTE:

1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER'S PAVEMENT SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVEL WAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE ALGEBRAIC DIFFERENCE BETWEEN SHOULDER AND TRAVEL LANE CROSS SLOPE'S "ROLLOVER" SHALL NOT EXCEED 8%.
5. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
6. A.S.C.G. = AGGREGATE SUBBASE COURSE - GRAVEL
   H.M.A. = HOT MIX ASPHALT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	AJG	AJE	11-12
CHECKED-REVIEWED	AJG		11-12
DESIGN2-DETAILED2	AJE	AJE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
WHITES BRIDGE RD. &
STANDISH NECK RD.

TYPICAL SECTIONS

SHEET NUMBER

3

OF 35

Filename: ...\WSTA\003_Typical_002.dgn Division: HIGHWAY Username: jeason Date:11/12/2012

SUMMARY OF EARTHWORK AND BORROW

COMMON EXCAVATION FOR ESTIMATE			
COMMON EXCAVATION (FROM CROSS SECTIONS)	1,054 CY		
GRUBBING IN FILL	0 CY		
TOTAL COMMON EXCAVATION			1,054 CY
FILL FOR BORROW CALCULATIONS			
COMMON FILL (FROM CROSS SECTIONS)	192 CY		
GRUBBING IN FILL	0 CY		
TOTAL FILL			192 CY
ROCK EXCAVATION FOR ESTIMATE			
ROCK EXCAVATION	0 CY		
TOTAL ROCK EXCAVATION			0 CY
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS			945 CY
(1) TOTAL COMMON EXCAVATION			
DEDUCTIONS:			
GRUBBING IN CUT	77 CY		
GRUBBING IN FILL	0 CY		
PAVEMENT SALVAGE REMOVAL	443 CY		
(2) TOTAL DEDUCTIONS			520 CY
TOTAL AVAILABLE NON-ROCK EXCAVATION (1) MINUS (2)			534 CY
TOTAL AVAILABLE STRUCT. EXCAVATION (NON-ROCK)			231 CY
TOTAL AVAILABLE NON-ROCK EXCAVATION			765 CY
COMPUTATION OF COMMON BORROW FOR ESTIMATE			
(3) TOTAL FILL			192 CY
TOTAL AVAILABLE NON-ROCK EXCAV.	765	X 0.85 = 650 CY	
TOTAL AVAILABLE ROCK EXCAV.	0	X 1.33 = 0 CY	
TOTAL AVAIL. STR. ROCK. EXCAV.	236	X 1.33 = 315 CY	
(4) TOTAL AVAILABLE EXCAVATION			965 CY
BORROW NEEDED (3) MINUS (4)			-773 CY
TOTAL SURPLUS WASTE MATERIAL			1,293 CY
COMPUTATION OF GRANULAR BORROW FOR ESTIMATE			
GRANULAR BORROW TO MAINTAIN TRAFFIC			100 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 7960
NOVEMBER 9, 2012
DATE

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	JLE		11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE		11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35 /
WHITES BRIDGE RD.

EARTHWORK SUMMARY

SHEET NUMBER
4
OF 35

Filename: ...\MSTA\004_Estimate_01.dgn Division: HIGHWAY Username: jeason Date:11/14/2012

STATION	CULVERT PIPE											CATCH BASIN					PIPE ARCH				MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
	RCP			CMP		OPTION I		OPTION III														TYPE B		TYPE C					
								SMOOTHLINED		CORRUGATED										GAGE OR WALL THICKNESS		TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
ROADWAY CULVERTS	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	B5-C	B1-C		E	F	SPAN	RISE	LENGTH			LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
STA. 14+75.0 RT. TO STA. 15+04.5 RT.								18"	32'	18"	32'																		
STA. 15+08.2 RT. TO STA. 15+73.3 RT.	15"	67'																											
0+50.0 RT. TO STA. 0+50.0 RT.								12"	21'	12"	4'																		
STA. 20+48.6 LT. TO STA. 20+98.1 LT.								12"	52'	12"	52'																		
STA. 22+51.7 LT. TO STA. 22+75.0 LT.								18"	28'	18"	28'																		
CATCH BASINS																													
(1) STA. 15+06.23, 46.86' RT.													1 1/8																
(2) STA. 15+75.00, 32.37' RT.													1																
(3) STA. 19+00.00, 20.90' RT.																													ADJUST CB TO GRADE
(4) STA. 20+99.90, 20.8' RT.																													ADJUST CB TO GRADE
(5) STA. 21+00.00, 28.54' LT.													1																
(6) STA. 22+50.00, 18.75' LT.													1																
(7) STA. 0+50.0, 42.49' RT.												1																	
(8) STA. 0+49.6, 22.30' LT.																													REBUILD CB W/ SHAPE 5 TOP
(9) STA. 1+50.00, 17.45' LT.												1																	
UNDERDRAINS																													
STA. 21+02.0 LT. TO STA. 22+48.0 LT.																								15"	147'				
0+51.6 LT. TO STA. 1+48.0 LT.																								12"	97'				

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE		
7960		
P.E. NUMBER		
NOVEMBER 9, 2012		
DATE		

PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	ALG	BY	DATE
CHECKED-REVIEWED	ALG	JLE	11-12
DESIGN2-DETAILED2	JLE	ALG	11-12
DESIGN3-DETAILED3		JLE	11-12
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35 /
WHITES BRIDGE RD.

DRAINAGE SHEET

SHEET NUMBER

5

OF 35

Filename: ...\MSTA\005_Drainage_01.dgn Division: HIGHWAY Username: jeason Date:11/14/2012

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:

CENTRAL MAINE POWER COMPANY
FAIRPOINT COMMUNICATION
TIME WARNER CABLE
PORTLAND WATER DISTRICT

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

3. CONSTRUCT "BUTTED" JOINTS AT ALL PAVED DRIVES AND ENTRANCES.

4. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.

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

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

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

8. 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.

9. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 2" HOT MIX ASPHALT AND 12" AGGREGATE SUBBASE COURSE GRAVEL.

10. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 3" HOT MIX ASPHALT AND 11" AGGREGATE SUBBASE COURSE GRAVEL.

11. UNPAVED ENTRANCES SHALL BE CONSTRUCTED WITH 14" AGGREGATE SUBBASE COURSE GRAVEL OR 11" AGGREGATE SUBBASE COURSE GRAVEL AND 3" UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

12. A 3' PAVED LIP SHALL BE PLACED AT ALL GRAVEL ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

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

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

15. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):
- o ANY CUTTING OF EXISTING CULVERTS AND OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS
- o ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT
- o ALL DITCHING AT PIPE ENDS
- o FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND/OR FILL MATERIAL INCLUDING GRANULAR BORROW USED UNDER PIPES AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL).
- o GRANULAR BORROW UNDER THE PIPE SHALL MEET THE REQUIREMENTS FOR UNDERWATER BACKFILL
- o ALL WORK NECESSARY TO CONNECT TO EXISTING PIPES AND DRAINAGE STRUCTURES
- o ANY NECESSARY CLEARING OF BRUSH AND NON-PAY TREES AT CULVERT ENDS

16. EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER ITEM 631.32 CULVERT CLEANER (INCLUDING OPERATOR).

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

18. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

19. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES. FOR COMPARABLE CORRUGATED SIZES SEE THE DRAINAGE TABULATION.

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

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

22. 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 OTHER SLOPES.

23. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN ALL AREAS UNLESS OTHERWISE NOTED OR DIRECTED.

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

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

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

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

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

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

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

STANDISH
ROUTE 35 /
WHITES BRIDGE RD.

GENERAL NOTES

SHEET NUMBER
6
OF 35

Filename: ...\HIGHWAY\MSTA\006_Notes_01.dgn Division: HIGHWAY Username: jeason Date:11/9/2012

TRAFFIC SIGNAL NOTES

1. All work shall be completed in conformance with the latest revisions of the State of Maine Department of Transportation Standard Specifications for Highways and Bridges and the Manual on Uniform Traffic Control Devices. All payment shall be included within the bid items of the contract. All equipment and work required to provide a complete, safe and operable traffic signal system will be considered subsidiary to these items.

2. Locations of all structures shall be verified by the Resident prior to construction.

3. Location of existing underground utilities shown is approximate. The Contractor shall be responsible for determining the presence of underground utility facilities prior to commencing any excavation work or installation of pole foundations, junction boxes, conduit or ground-mounted signage and shall notify utilities of proposed work in accordance with MRSA Title 23 Section 3360-A, Maine "Dig Safe" System. Contractor shall contact Dig Safe at least three working days prior to the beginning of excavation. All utilities shall be located before beginning excavation.

4. The Contractor shall notify utility companies at least 48 hours before any operations are conducted that potentially could conflict with aerial utilities.

5. The Contractor shall coordinate with all utilities to assure that required clearances from aerial conductors are met. The Contractor shall measure conductor clearances in the field before ordering the mast arm poles. The poles and mast arms shall be fabricated to maximize clearance from the utility conductors.

6. Minimum clearance from the roadway profile elevation to the bottom of overhead vehicular signal heads and overhead signage shall be 16'.

7. All signal faces shall have 5" retroreflective louvered backplates.

8. Signal heads shall be fix-mounted to mast arms with Astrobrackets.

9. All concrete signal pole foundations shall be 36" diameter. All stated offsets are to center of foundations.

10. Bedrock may be encountered at depths shallower than the required full depth of foundations. Foundations shall be cast in place and shall be doweled into bedrock if solid rock is encountered at less than the required foundation depth. See MaineDOT Standard Detail 626(06). Payment for doweling reinforcing into rock shall be considered incidental to the foundation items.

11. Signal pole foundations shall have a ground rod, located in the foundation, that is bonded to the grounding conductor. Payment for the ground rod shall be included in Item 643.80.

12. The existing controller cabinet and all existing traffic signal, controller, and detection equipment are intended to be replaced. The equipment shall be carefully removed and delivered in good condition to the MaineDOT Traffic Division sign shop on Capital Street in Augusta. Payment for removal and delivery of the signal equipment and cabinet will be considered incidental to payment under Item 643.80.

13. The traffic signal controller cabinet and all traffic signal, controller, detection, and ancillary equipment installed in this project shall be new.

14. The new controller shall be a NEMA TS-2 Type 1 controller installed in a NEMA TS-2 cabinet mounted on the traffic signal pole at Station 19+60 Left. All ancillary equipment and wiring shall be included. Bottom of cabinet shall be 24" above the top of the foundation.

15. Stop bar detection for all approaches shall be a video detection system mounted on mast arms. Video detection cameras shall be individually surge protected and fused. Cameras shall be installed on vertical pipe extensions attached to the mast arms. Pipe extensions shall be of sufficient height to differentiate between individual vehicles stopped behind the stop bar on each approach.

16. Advance detectors to be installed on the Route 35 approaches shall be Wavetronix SmartSensor Advance Radar with continuous vehicle tracking and safe arrival technology. No substitutes will be accepted. The system shall delay the start of yellow and/or extend red based on vehicle calculated speed and arrival time.

17. The Contractor shall provide surge protection in the controller cabinet for all detectors as recommended by the detector manufacturers.

18. The traffic signal system shall include emergency preemption hardware. Tomar 2091-SD optical preemption receivers with red confirmation strobe assembly or approved equal. Separate optical detectors shall be supplied for each Route 35 approach. Payment for the fully functioning preemption receiver system will be incidental to Pay Item 643.80.

19. Emergency vehicle preemption signals shall be transmitted by optical emitters (provided by others) mounted in emergency vehicles and received by optical detectors mounted on the traffic signal mast arms. In response to a preemption signal received by an optical detector, the controller shall hold or advance to and hold the emergency active phase green for a minimum of 10 seconds or until the preemption signal ceases. The controller then shall time preemption phase clearance (4.3 seconds yellow and 2.0 seconds all red) and service subsequent emergency active phases as necessary. At the completion of the preemption cycle, the controller shall time the preemption clearance and resume normal signal operation. Minimum green and normal vehicle clearance shall be provided on phases that are to be terminated on preemption demand. Confirmation strobes shall be illuminated whenever any emergency vehicle preemption green is on.

20. Conduit shall be 2" minimum, PVC Schedule 40. Conduit under pavement shall be Schedule 80. Minimum burial depth for conduit shall be 36".

21. There shall be no splices or junction boxes except as shown on the project plans.

22. All junction box covers to be furnished and installed shall be labeled "Traffic Signal".

23. The Contractor shall install a self-contained meter socket bypass (single phase 100 or 150 amp) with a single handle lever-operated bypass for power shutoff to the meter without interrupting the signal displays. A NEMA 3R meter disconnect enclosure shall be installed external to the controller cabinet between the meter and the cabinet.

24. The Contractor shall be responsible for relocation of power service if required for the new traffic signal system.

25. All field wiring shall be neatly bundled and clearly identified with permanent, legible, weatherproof tags securely attached to each cable.

26. Costs of pole risers will be considered incidental to payment under Item 643.80.

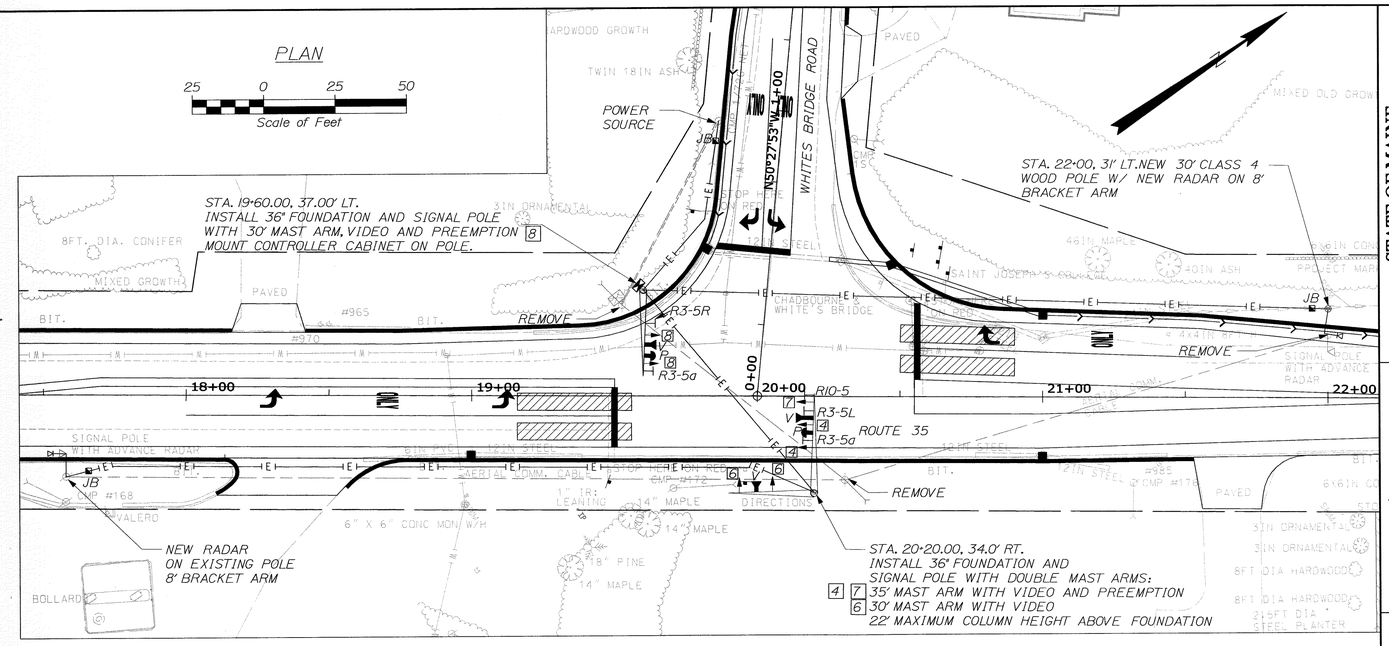
27. All traffic signal work shall be completed in a manner that minimizes the downtime of traffic signal operations, in the sole opinion of the Resident.

28. At the time of final project inspection, the Contractor shall furnish to the Resident three complete sets of as-built traffic signal plans. One set shall remain in the cabinet.

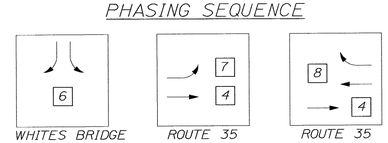
29. The maintenance of signals shall remain the responsibility of the Contractor until final acceptance by MaineDOT.

PLAN

25 0 25 50
Scale of Feet

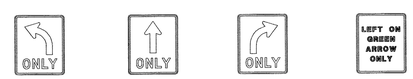


PHASING SEQUENCE



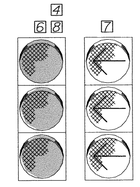
WHITES BRIDGE ROAD — ROUTE 35 — ROUTE 35

OVERHEAD SIGN DETAILS



R3-5L 30"X36" (1) — R3-5a 30"X36" (2) — R3-5R 30"X36" (1) — R10-5 30"X36" (1)

SIGNAL HEAD DETAIL



NO. REQUIRED 6 1

1. ALL SIGNAL INDICATIONS SHALL BE 12" LED.
2. ALL SIGNAL INDICATIONS SHALL HAVE TUNNEL VISORS.

LEGEND

- PROPOSED ADVANCE RADAR ON WOOD POLE WITH BRACKET ARM
- EXISTING WOOD SIGNAL POLE
- CONTROLLER CABINET
- 4 6 7 8 NEW SIGNAL HEADS
- E NON-METALLIC CONDUIT
- NEW JUNCTION BOX
- VIDEO DETECTION ZONE
- 24" STOP BAR
- V MAST ARM MOUNTED VIDEO CAMERA
- P EMERGENCY VEHICLE PREEMPTION DEVICE

INITIAL SIGNAL TIMING

PHASE	1	2	3	4	5	6	7	8
MIN INITIAL	-	-	-	4.0	-	4.0	4.0	4.0
VEH EXT	-	-	-	3.0	-	3.0	3.0	3.0
MAX. GREEN 1	-	-	-	45.0	-	14.0	15.0	30.0
YELLOW	-	-	-	4.3	-	4.0	4.3	3.3
ALL RED	-	-	-	2.0	-	2.0	2.0	2.0
FLASH	-	-	-	Y	-	R	Y	Y
RECALL	-	-	-	SOFT	-	-	-	SOFT

1. WHITES BRIDGE ROAD RIGHT TURN DETECTION SHALL BE SET FOR 10 SECONDS DELAY.
2. WHITES BRIDGE ROAD INDICATIONS SHALL REST ON RED.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1275(700)X
WIN 12757.00
HIGHWAY PLANS

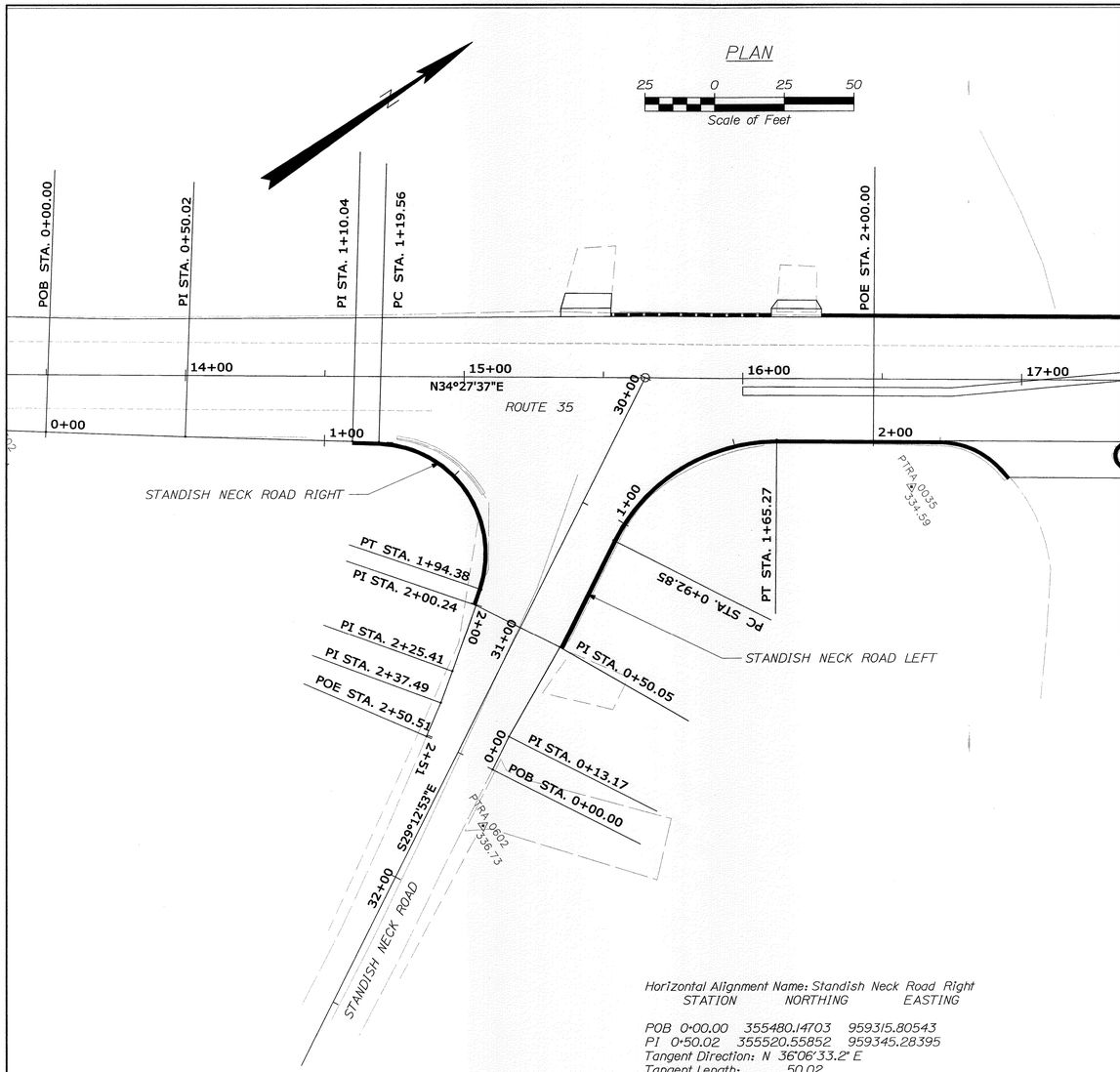
STATE OF MAINE ALBERT L. GODFREY No. 4226 LICENSED PROFESSIONAL ENGINEER
SIGNATURE, P.E. NUMBER 4226
NOVEMBER 9, 2012 DATE

	BY	DATE
PROJ. MANAGER	BRIAN KEEZER	
DESIGN-DETAILED	ALG	11-12
CHECKED-REVIEWED	ALG	11-12
DESIGN2-DETAILED2	JLE	11-12
DESIGN3-DETAILED3	JLE	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

STANDISH
ROUTE 35 /
WHITES BRIDGE RD.
SIGNAL PLAN

SHEET NUMBER
7
OF 35

Filename: ...\HIGHWAY\MSTA\007_signal_01.dgn Division: HIGHWAY Username: jeason Date:11/14/2012



Horizontal Alignment Name: STANDISH NECK ROAD LEFT

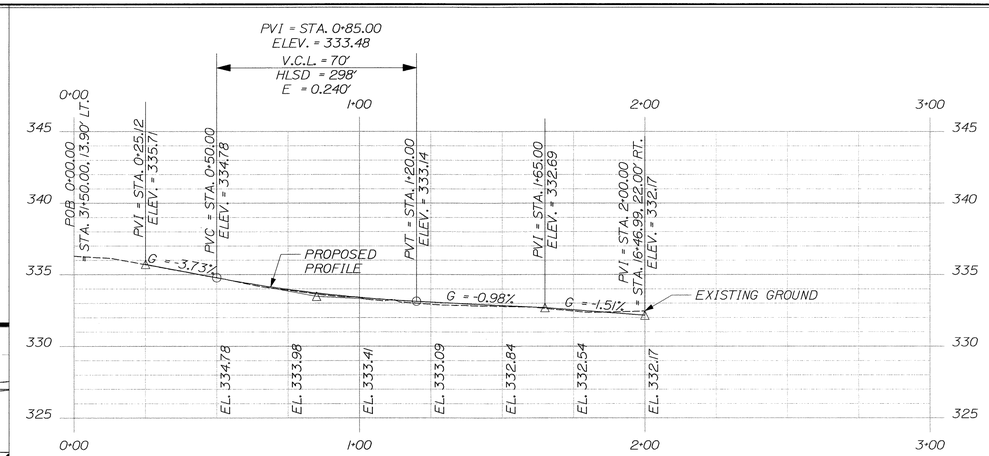
STATION	NORTHING	EASTING

POB 0+00.00 355544.92213 959505.85109
PI 0+13.17 355556.42753 959499.44326
Tangent Direction: N 29°06'54.9" W
Tangent Length: 13.17
PI 0+50.05 355589.54062 959483.19692
Tangent Direction: N 26°08'02.5" W
Tangent Length: 36.88
PC 0+92.85 355626.91072 959462.33667
Tangent Direction: N 29°10'14.0" W
Tangent Length: 42.80
PI 1+33.34 355662.19241 959442.47561
CC 355658.79612 959518.97872
PT 1+65.27 355695.57535 959465.38498
Radius: 65.00
Delta: 63°50'11.9" Right
Degree of Curvature(Arc): 88°08'50.5"
Length: 72.42
Tangent: 40.49
External: 11.58
POE 2+00.00 355724.20945 959485.03542
Tangent Direction: N 34°27'36.9" E
Tangent Length: 34.73

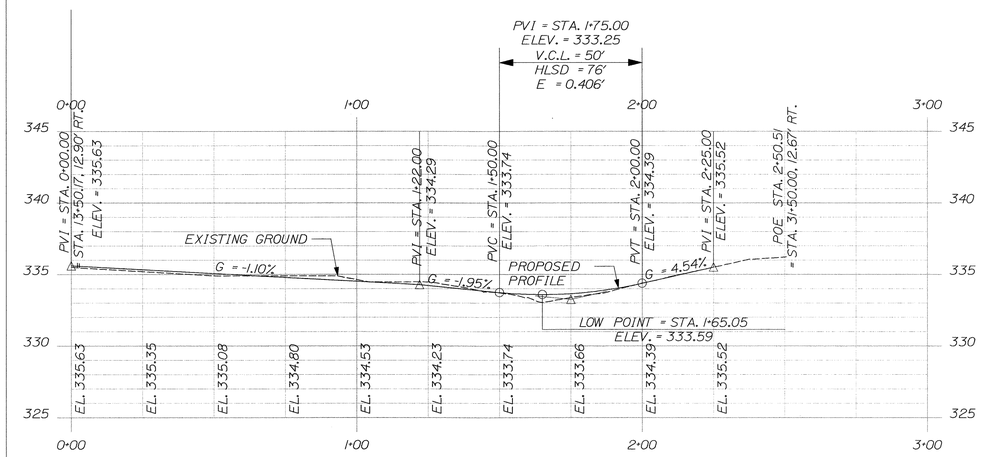
Horizontal Alignment Name: Standish Neck Road Right

STATION	NORTHING	EASTING

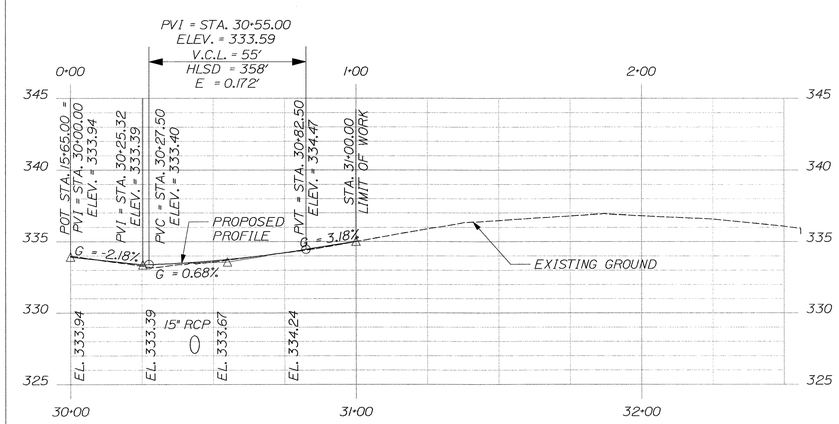
POB 0+00.00 355480.14703 959315.80543
PI 0+50.02 355520.55852 959345.28395
Tangent Direction: N 36°06'33.2" E
Tangent Length: 50.02
PI 1+10.04 355569.27521 959380.33337
Tangent Direction: N 35°43'59.8" E
Tangent Length: 60.01
PC 1+19.56 355577.00833 959385.89698
Tangent Direction: N 35°43'59.8" E
Tangent Length: 9.53
PI 1+73.78 355621.02236 959417.56305
CC 355553.64782 959418.36676
PT 1+94.38 355577.77624 959450.27005
Radius: 40.00
Delta: 107°09'59.6" Right
Degree of Curvature(Arc): 143°14'22.0"
Length: 74.82
Tangent: 54.22
External: 27.38
PI 2+00.24 355573.10354 959453.80400
Tangent Direction: S 37°06'00.6" E
Tangent Length: 5.89
PI 2+25.41 355552.73825 959468.60728
Tangent Direction: S 36°00'46.6" E
Tangent Length: 25.18
PI 2+37.49 355542.91188 959475.63059
Tangent Direction: S 35°33'17.8" E
Tangent Length: 12.08
POE 2+50.51 355531.95248 959482.65864
Tangent Direction: S 32°40'16.5" E
Tangent Length: 13.02



PROFILE - STANDISH NECK ROAD LEFT



PROFILE - STANDISH NECK ROAD RIGHT



PROFILE - STANDISH NECK ROAD

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED PROFESSIONAL ENGINEER

SIGNATURE		
7960		
P.E. NUMBER		
NOVEMBER 9, 2012		
DATE		

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	AJG	AJE	11-12
CHECKED-REVIEWED	AJG	AJG	11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35 /
STANDISH NECK ROAD

GEOMETRY PLAN

SHEET NUMBER

8

OF 35

Filename: ...\X008_INTERSECTION GEOMETRY_01.dgn Division: HIGHWAY Username: jeason Date:11/12/2012

Filename: ...\009_INTERSECTION GEOMETRY_02.dgn Division: HIGHWAY Username: jeason Date:11/14/2012

Horizontal Alignment Name: WHITES BRIDGE ROAD LEFT

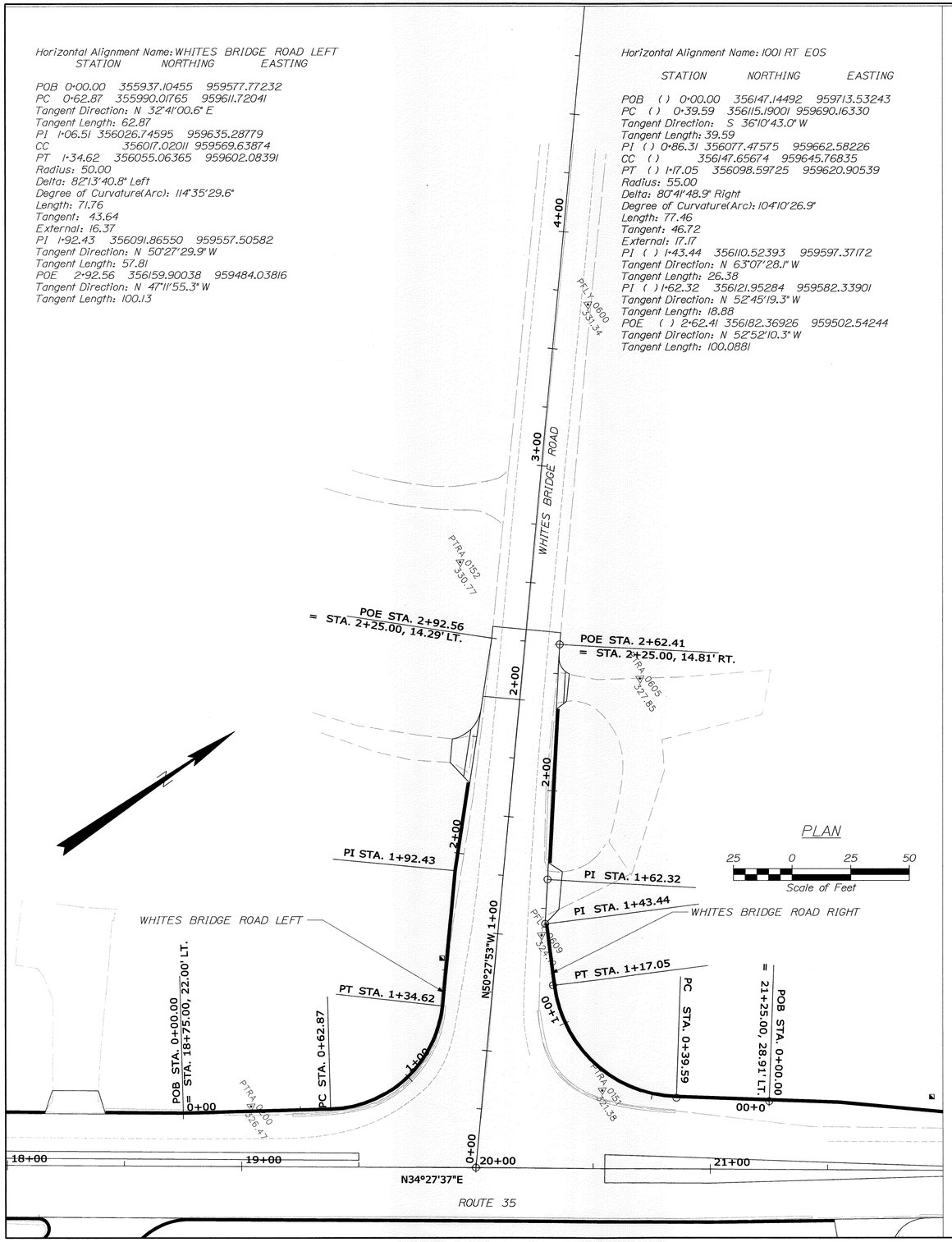
STATION	NORTHING	EASTING
POB 0+00.00	355937.10455	959577.77232
PC 0+62.87	355990.01765	959611.72041

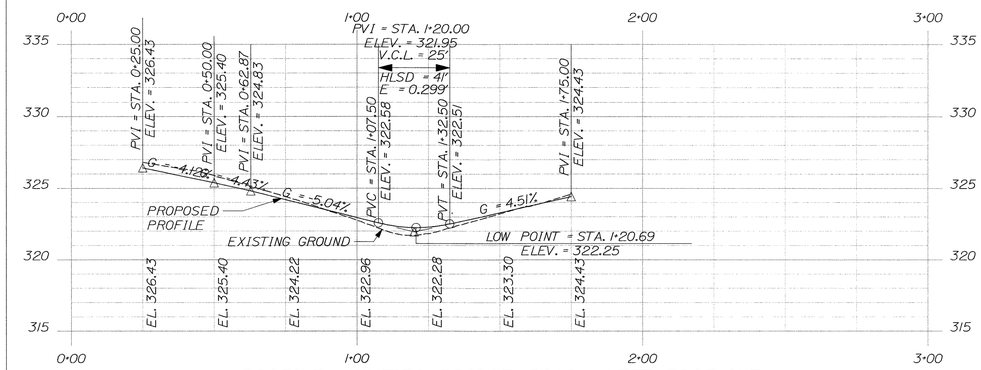
Tangent Direction: N 32°41'00.6" E
Tangent Length: 62.87
PI 1+06.51 356026.74595 959635.28779
CC 356017.02011 959569.63874
PT 1+34.62 356055.06365 959602.08391
Radius: 50.00
Delta: 82°13'40.8" Left
Degree of Curvature(Arc): 114°35'29.6"
Length: 71.76
Tangent: 43.64
External: 16.37
PI 1+92.43 356091.86550 959557.50582
Tangent Direction: N 50°27'29.9" W
Tangent Length: 57.81
POE 2+92.56 356159.90038 959484.03816
Tangent Direction: N 47°11'55.3" W
Tangent Length: 100.13

Horizontal Alignment Name: 1001 RT EOS

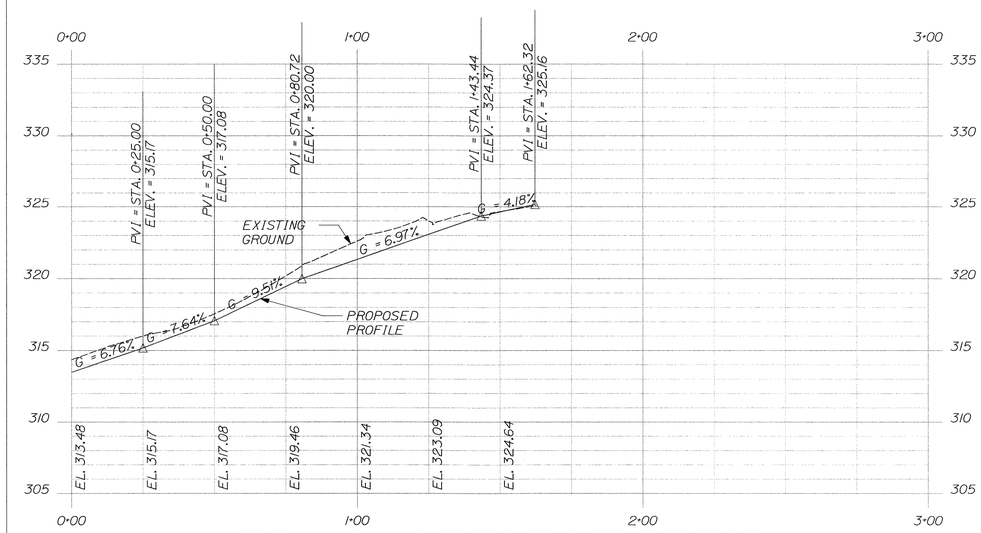
STATION	NORTHING	EASTING
POB ( ) 0+00.00	356147.14492	959713.53243
PC ( ) 0+39.59	356115.19001	959690.16330

Tangent Direction: S 36°10'43.0" W
Tangent Length: 39.59
PI ( ) 0+86.31 356077.47575 959662.58226
CC ( ) 356147.65674 959645.76835
PT ( ) 1+17.05 356098.59725 959620.90539
Radius: 55.00
Delta: 80°41'48.9" Right
Degree of Curvature(Arc): 104°10'26.9"
Length: 77.46
Tangent: 46.72
External: 17.17
PI ( ) 1+43.44 356110.52393 959597.37172
Tangent Direction: N 63°07'28.1" W
Tangent Length: 26.38
PI ( ) 1+62.32 356121.95284 959582.33901
Tangent Direction: N 52°45'19.3" W
Tangent Length: 18.88
POE ( ) 2+62.41 356182.36926 959502.54244
Tangent Direction: N 52°52'10.3" W
Tangent Length: 100.0881

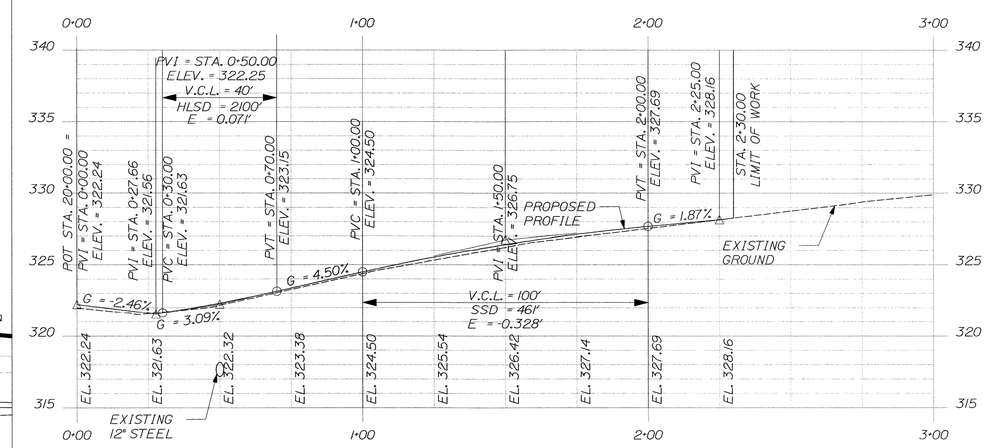




PROFILE - WHITES BRIDGE ROAD - LEFT EDGELINE



PROFILE - WHITES BRIDGE ROAD RIGHT EDGELINE



PROFILE - WHITES BRIDGE ROAD

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE JAMES L. EASON No. 7960 LICENSED PROFESSIONAL ENGINEER

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

		BY	DATE
PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	ALG	J.E	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE	J.E	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35 /
WHITES BRIDGE ROAD

GEOMETRY PLAN

SHEET NUMBER
9
OF 35

DRIVEWAYS AND ENTRANCES		
LOCATION	DESCRIPTION	CURB OPENING
STA. 15+43.5 LT.	16.7' GRAVEL DRIVE	---
STA. 16+19.1 LT.	13.9' GRAVEL DRIVE	18.0'
STA 17+17.5 RT.	44.2' PAVED ENTRANCE	44.2'

ITEM 609.31 CURB TYPE 3, MOLD 2	
LOCATION	LENGTH
STA. 14+60.0, 23.3' RT. TO STA. 31+00.0, 17.8' RT.	90.2'
STA. 31+00.0, 15.8' LT. TO STA. 16+96.0, 35.0' RT.	203.1'
STA. 16+28.1, 22.0' LT. TO STA. 17+50.0, 22.0' LT.	121.9'

ITEM 606.47 SINGLE WOOD POST	
LOCATION	NUMBER
STA. 15+86 LT.	1

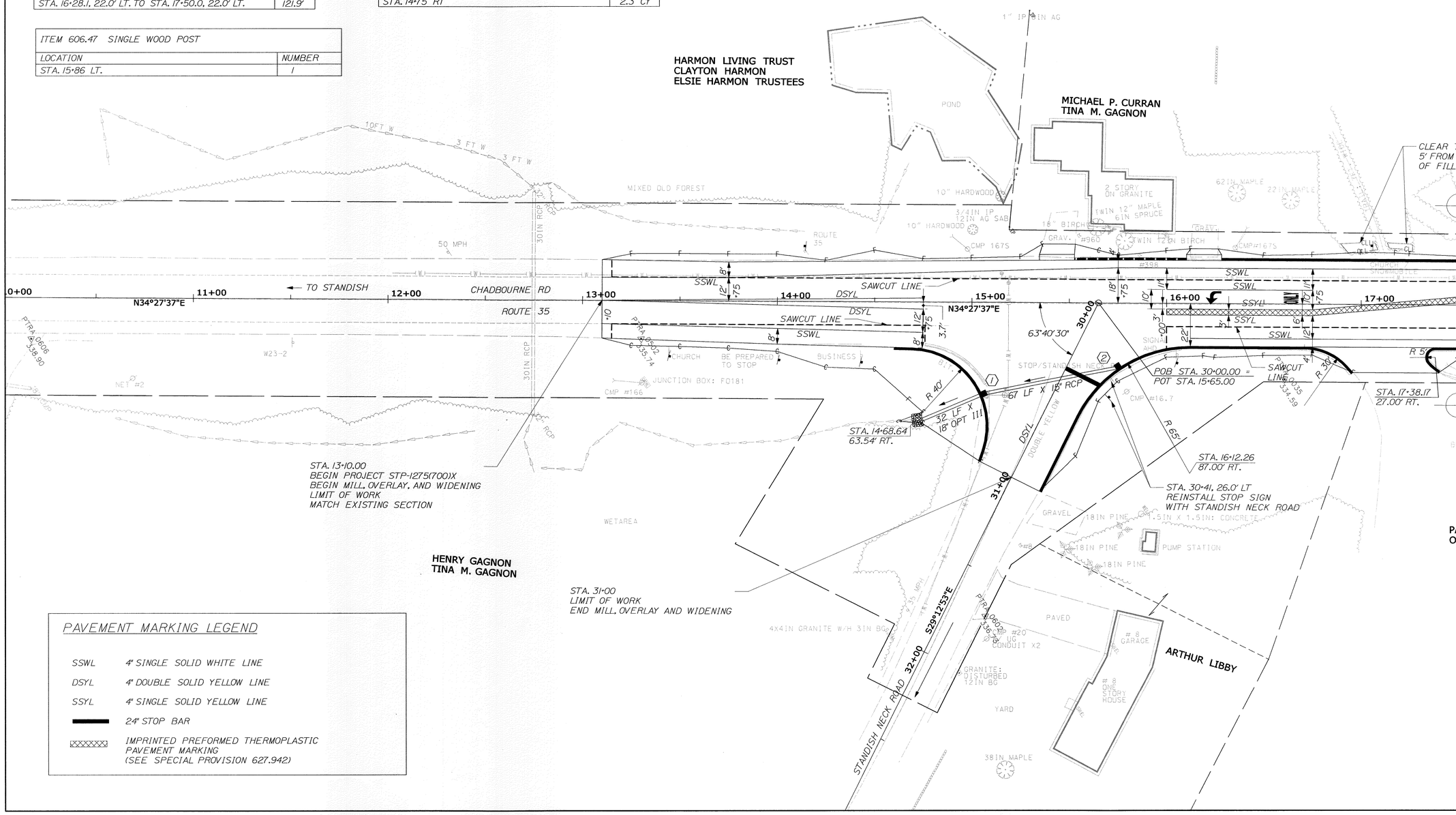
ITEM 609.11 VERTICAL CURB TYPE 1	
LOCATION	LENGTH
STA. 15+56.5, 21.82' LT. TO STA. 16+06.1, 22.00' LT.	49.6'

ITEM 609.234 TERMINAL CURB TYPE 1-4 FT.	
LOCATION	NUMBER
STA. 15+52.5, 21.78' LT. TO STA. 15+56.5, 21.82' LT.	1
STA. 16+06.1, 22.00' LT. TO STA. 16+10.1, 22.00' LT.	1

ITEM 610.08 PLAIN RIPRAP	
LOCATION	VOLUME
STA. 14+75 RT	2.3 CY

ITEM 645.106 & ITEM 645.116
DEMOUNT AND REINSTALL REG. WARN. CONF. RTE SIGN TYPE 1

DEMOUNT	OFFSET	REINSTALL	OFFSET	NUMBER
13+44.0	26.0 RT	13+44.0	28.5 RT.	1
14+00.5	26.3 RT	14+00.5	30.0 RT	1
14+43	28' RT.	14+43.0	31.0 RT	1
16+05	26.5 RT.	16+05	30.5' RT	1
14+14.5	26' LT.	14+14.5	28.5' LT.	1
17+06	27.0' LT	17+06	30.0' LT	1
30+32.0	24.0 LT.	30+41.0	26.0' LT.	1



PAVEMENT MARKING LEGEND

SSWL	4" SINGLE SOLID WHITE LINE
DSYL	4" DOUBLE SOLID YELLOW LINE
SSYL	4" SINGLE SOLID YELLOW LINE
▬	24" STOP BAR
▨	IMPRINTED PREFORMED THERMOPLASTIC PAVEMENT MARKING (SEE SPECIAL PROVISION 627.942)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE JAMES L. EASON No 7960 LICENSED PROFESSIONAL ENGINEER

SIGNATURE		
7960		P.E. NUMBER
NOVEMBER 9, 2012		DATE
PROJ. MANAGER	BRIAN KEEZER	BY
DESIGN-DETAILED	ALG	JLE
CHECKED-REVIEWED	ALG	JLE
DESIGN2-DETAILED2	JLE	JLE
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

STANDISH
ROUTE 35 /
STANDISH NECK RD.

PLANS

SHEET NUMBER

10

OF 35

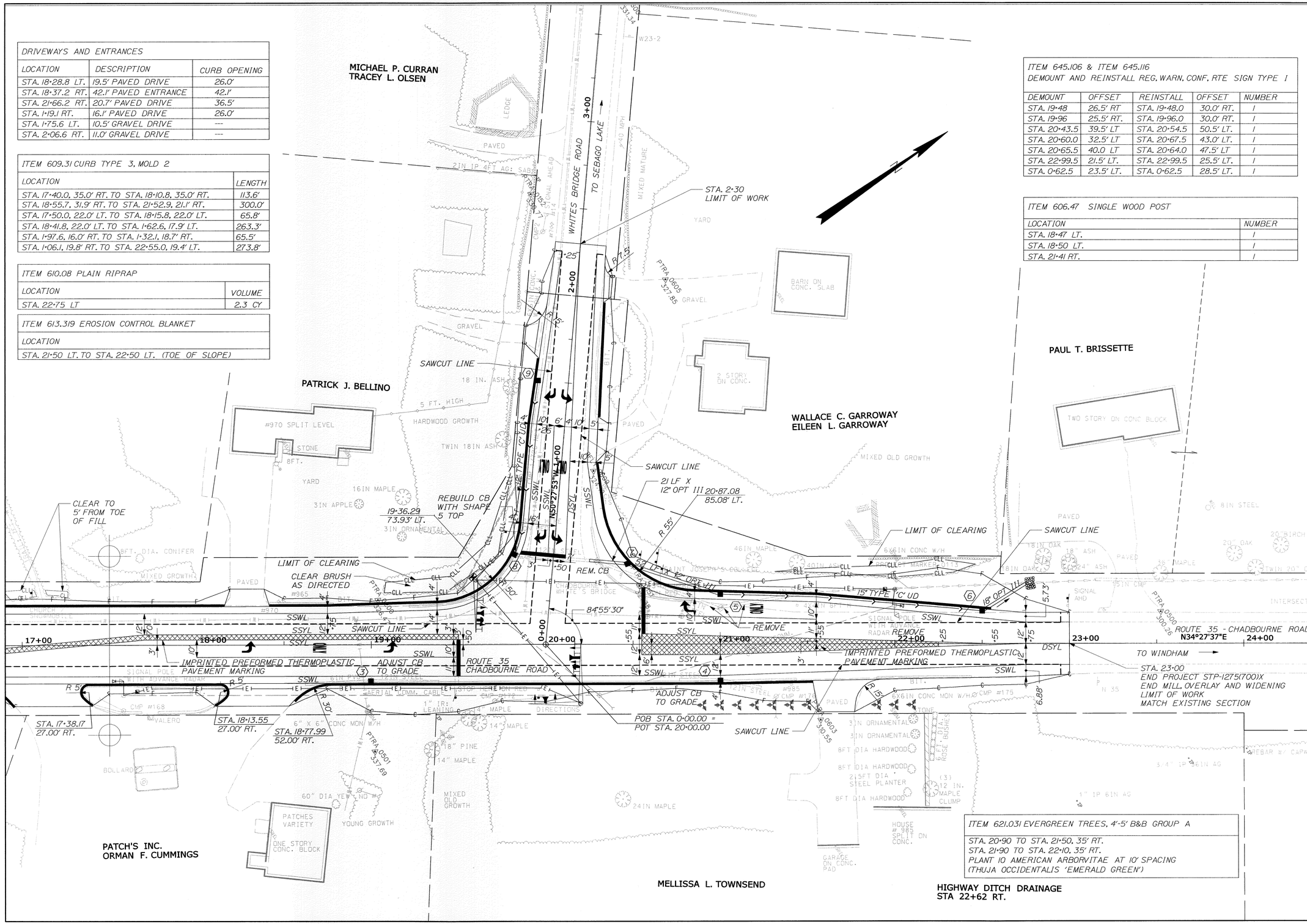
Filename: ...\HIGHWAY\MSTA\010_HDPlan_01.dgn Division: HIGHWAY Username: jeason Date:11/12/2012

DRIVEWAYS AND ENTRANCES		
LOCATION	DESCRIPTION	CURB OPENING
STA. 18+28.8 LT.	19.5' PAVED DRIVE	26.0'
STA. 18+37.2 RT.	42.1' PAVED ENTRANCE	42.1'
STA. 21+66.2 RT.	20.7' PAVED DRIVE	36.5'
STA. 1+19.1 RT.	16.1' PAVED DRIVE	26.0'
STA. 1+75.6 LT.	10.5' GRAVEL DRIVE	---
STA. 2+06.6 RT.	11.0' GRAVEL DRIVE	---

ITEM 609.31 CURB TYPE 3, MOLD 2	
LOCATION	LENGTH
STA. 17+40.0, 35.0' RT. TO STA. 18+10.8, 35.0' RT.	113.6'
STA. 18+55.7, 31.9' RT. TO STA. 21+52.9, 21.1' RT.	300.0'
STA. 17+50.0, 22.0' LT. TO STA. 18+15.8, 22.0' LT.	65.8'
STA. 18+41.8, 22.0' LT. TO STA. 1+62.6, 17.9' LT.	263.3'
STA. 1+97.6, 16.0' RT. TO STA. 1+32.1, 18.7' RT.	65.5'
STA. 1+06.1, 19.8' RT. TO STA. 22+55.0, 19.4' LT.	273.8'

ITEM 610.08 PLAIN RIPRAP	
LOCATION	VOLUME
STA. 22+75 LT	2.3 CY

ITEM 613.319 EROSION CONTROL BLANKET
LOCATION
STA. 21+50 LT. TO STA. 22+50 LT. (TOE OF SLOPE)



ITEM 645.106 & ITEM 645.116 DEMOUNT AND REINSTALL REG. WARN. CONF. RTE SIGN TYPE I				
DEMOUNT	OFFSET	REINSTALL	OFFSET	NUMBER
STA. 19+48	26.5' RT	STA. 19+48.0	30.0' RT.	1
STA. 19+96	25.5' RT.	STA. 19+96.0	30.0' RT.	1
STA. 20+43.5	39.5' LT	STA. 20+54.5	50.5' LT.	1
STA. 20+60.0	32.5' LT	STA. 20+67.5	43.0' LT.	1
STA. 20+65.5	40.0 LT	STA. 20+64.0	47.5' LT	1
STA. 22+99.5	21.5' LT.	STA. 22+99.5	25.5' LT.	1
STA. 0+62.5	23.5' LT.	STA. 0+62.5	28.5' LT.	1

ITEM 606.47 SINGLE WOOD POST	
LOCATION	NUMBER
STA. 18+47 LT.	1
STA. 18+50 LT.	1
STA. 21+41 RT.	1

ITEM 621.031 EVERGREEN TREES, 4'-5' B&B GROUP A
STA. 20+90 TO STA. 21+50, 35' RT.
STA. 21+90 TO STA. 22+10, 35' RT.
PLANT 10 AMERICAN ARBORVITAE AT 10' SPACING
(THUJA OCCIDENTALIS 'EMERALD GREEN')

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. ALGOOD
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

7960
P.E. NUMBER

NOVEMBER 9, 2012
DATE

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	A.G	A.E	11-12
CHECKED-REVIEWED	A.G		11-12
DESIGN2-DETAILED2	A.E	A.E	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35 /
WHITES BRIDGE ROAD

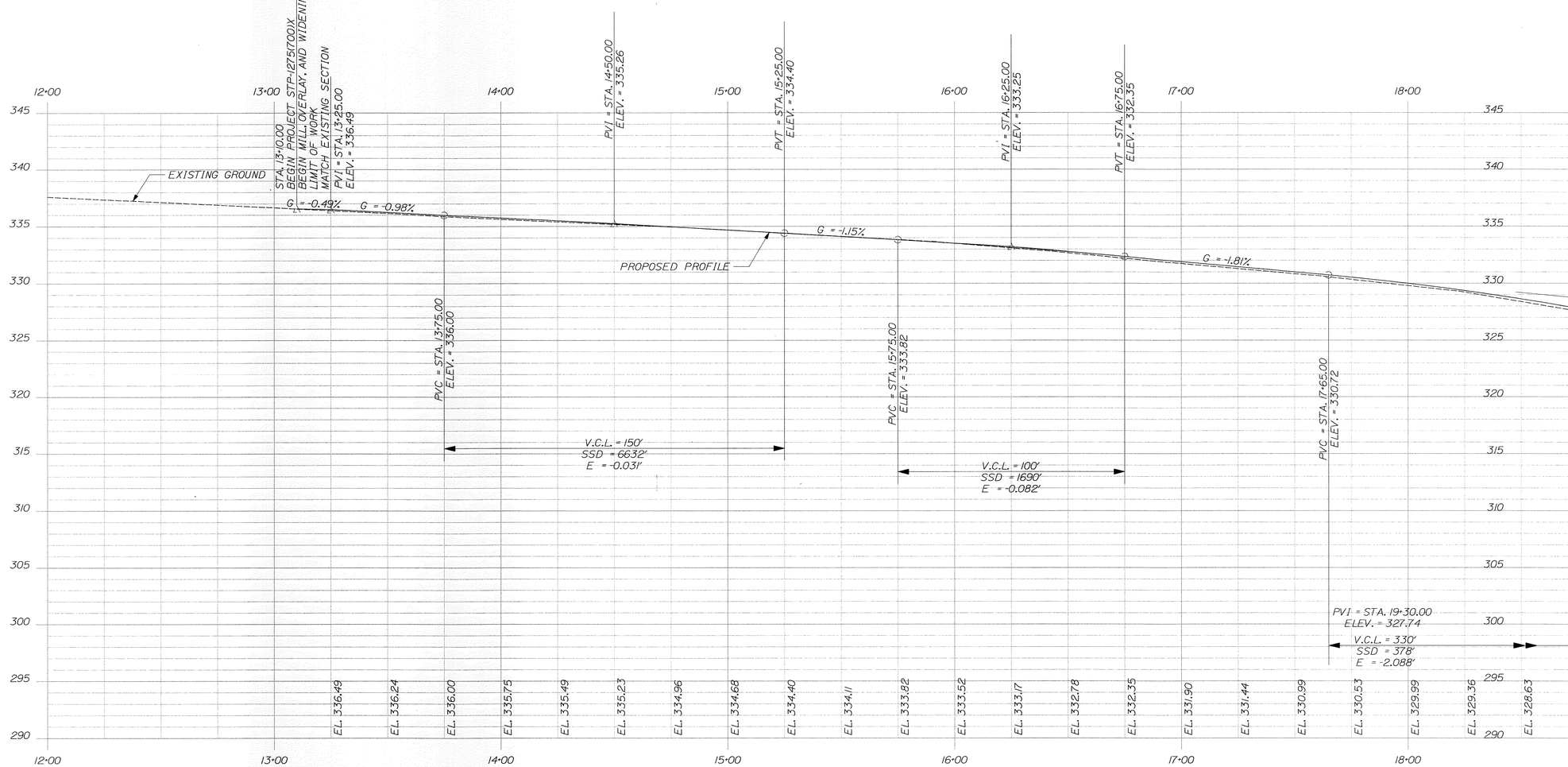
PLANS

SHEET NUMBER

11

OF 35

Filename: ...\HIGHWAY\MSTA\011_HDPlan_02.dgn Division: HIGHWAY Username: jeason Date:11/14/2012



ROUTE 35 PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

PROJ. MANAGER	BRIAN KEEFER		
DESIGN-DETAILED	A.G	A.E	11-12
CHECKED-REVIEWED	A.G		11-12
DESIGN2-DETAILED2	A.E	A.E	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

7960
P.E. NUMBER

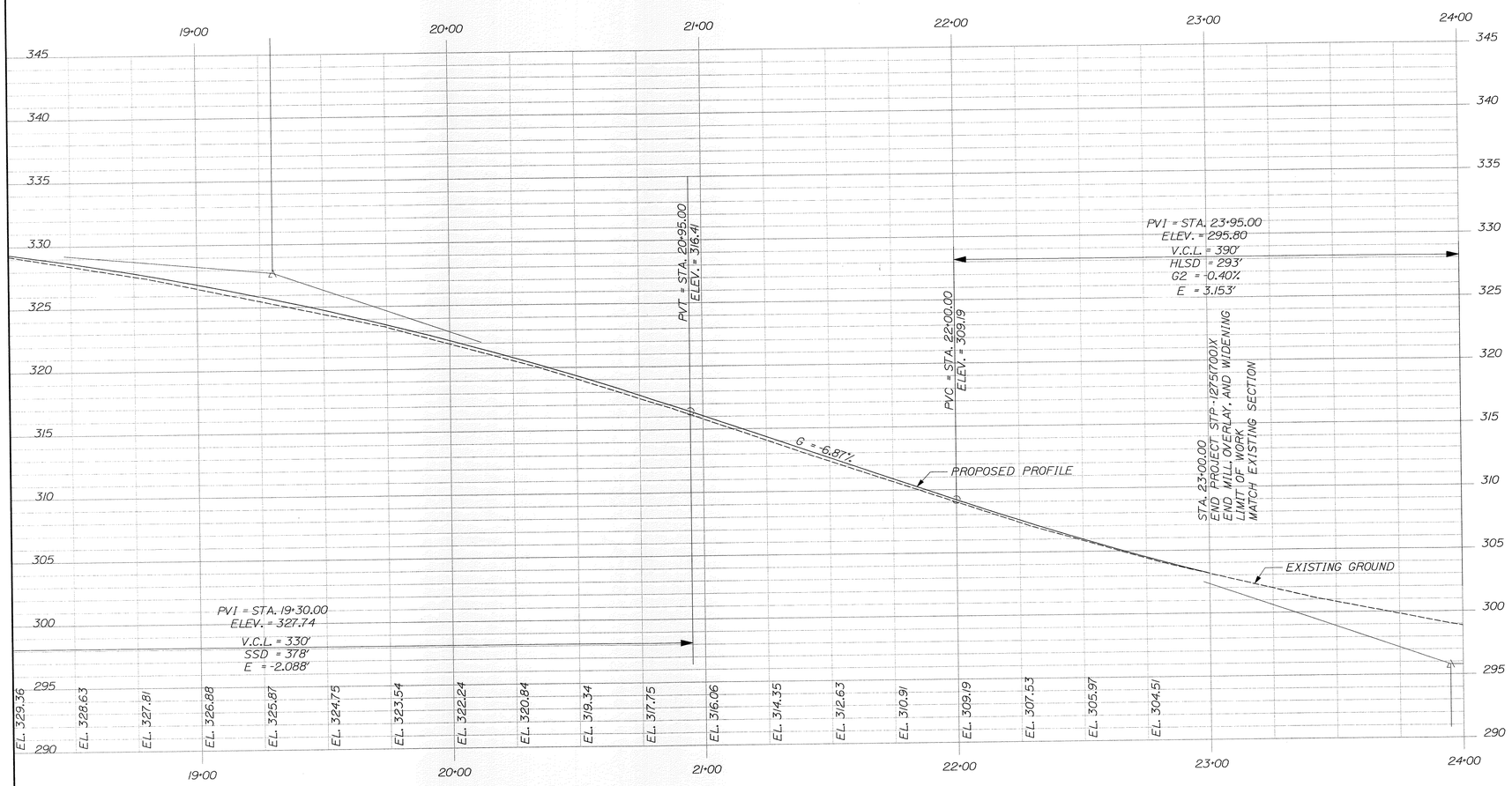
NOVEMBER 9, 2012
DATE

STANDISH
ROUTE 35

PROFILE

SHEET NUMBER
12
OF 35

Filename: ...\MSTA\012_PROFILE_01.dgn Division: HIGHWAY Username: jeason Date:11/12/2012



ROUTE 35 PROFILE

Filename: ...\MSTA\013_PROFILE_02.dgn Division: HIGHWAY Username: jeason Date:11/12/2012

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

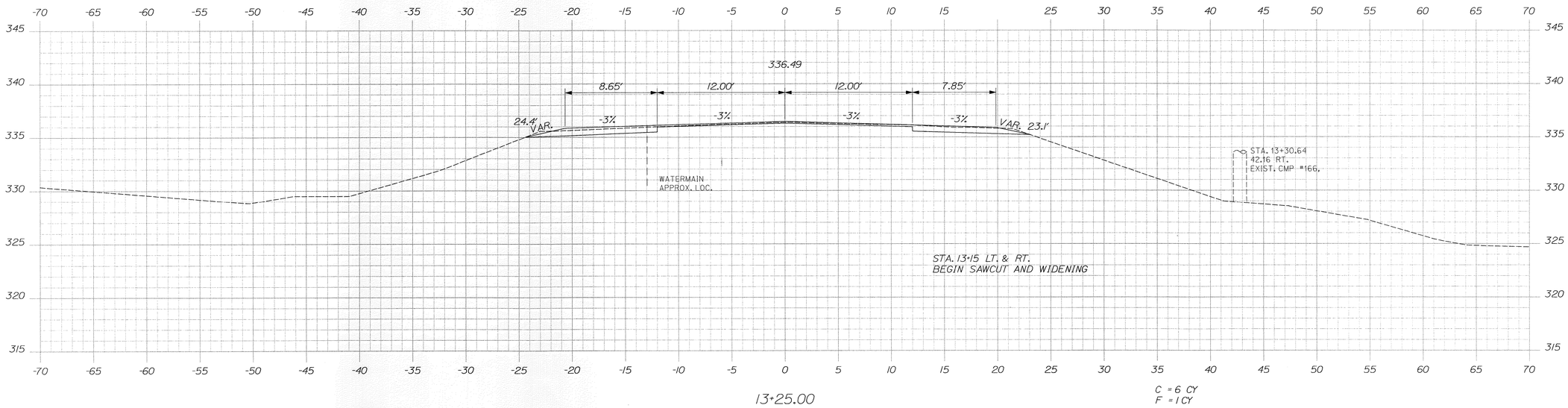
PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	ALC	JLE	11-12
CHECKED-DETAILED	ALC		11-12
DESIGN-DETAILED2	ALC	JLE	11-12
CHECK-DETAILED2	JLE		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

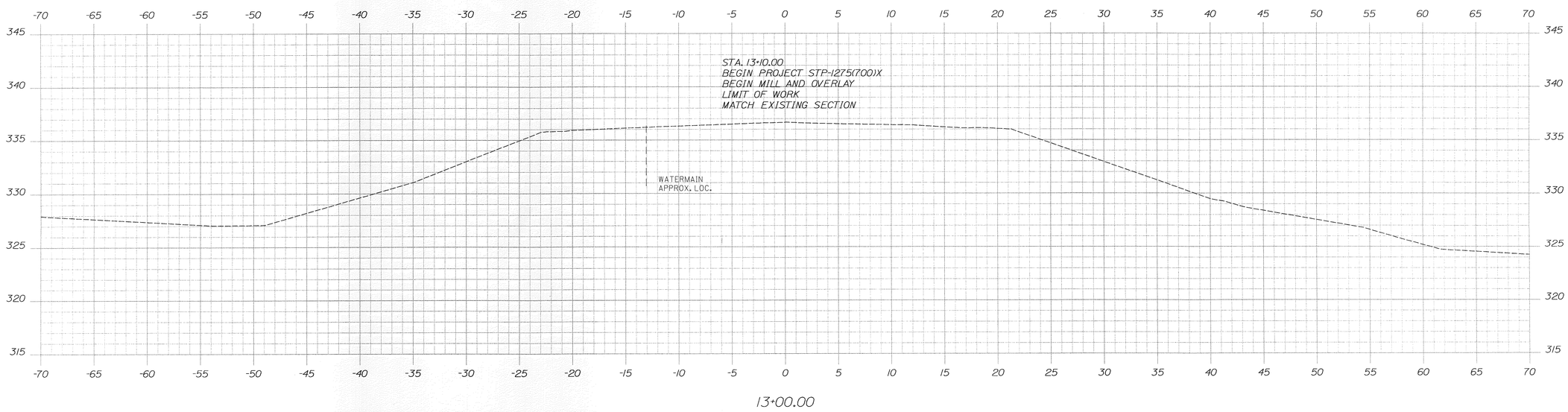
SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

STANDISH
ROUTE 35

PROFILE

SHEET NUMBER
13
OF 35





Sta. 13+00.00 to Sta. 13+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE		
7960		
P.E. NUMBER		
NOVEMBER 9, 2012		
DATE		

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	ALG	AJE	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE	AJE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35

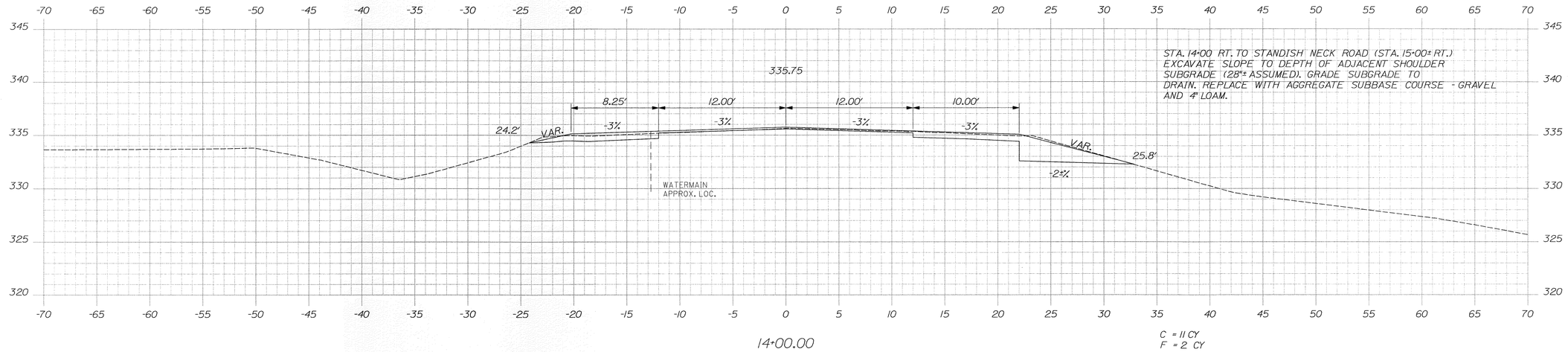
CROSS SECTIONS

SHEET NUMBER

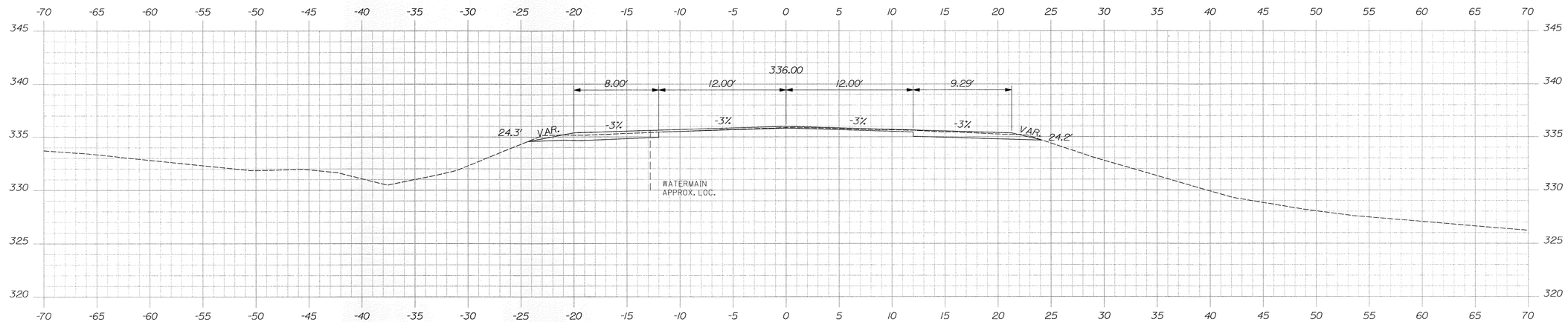
14

OF 35

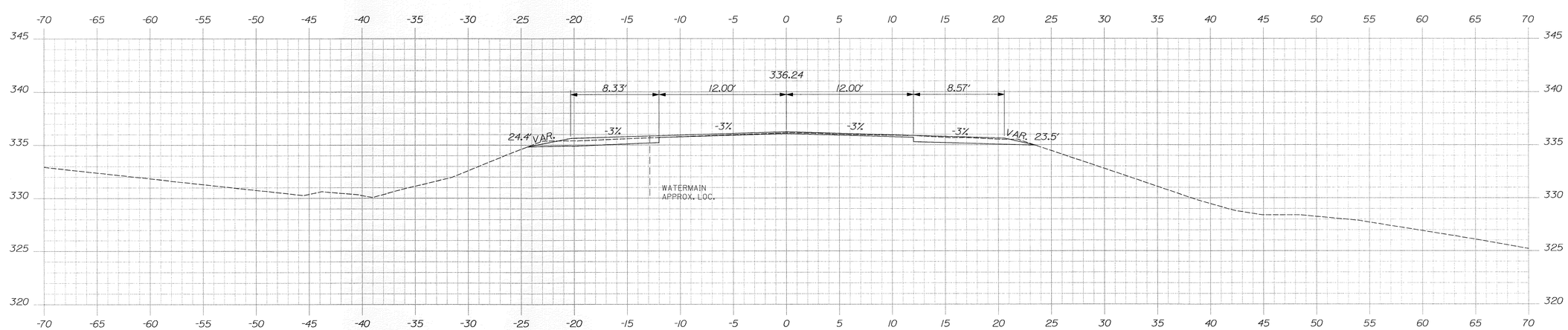
Filename: ...\MSTA\014_XSECT_13+00_001.dgn Division: HIGHWAY Username: jeason Date:11/12/2012



14+00.00



13+75.00



13+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
PROFESSIONAL ENGINEER
LICENSED

SIGNATURE		
7960		
P.E. NUMBER		
NOVEMBER 9, 2012		
DATE		

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	A.C	A.E	11-12
CHECKED-REVIEWED	A.C		11-12
DESIGN-DETAILED2	A.E	A.E	11-12
DESIGN-DETAILED3	A.E		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35

CROSS SECTIONS

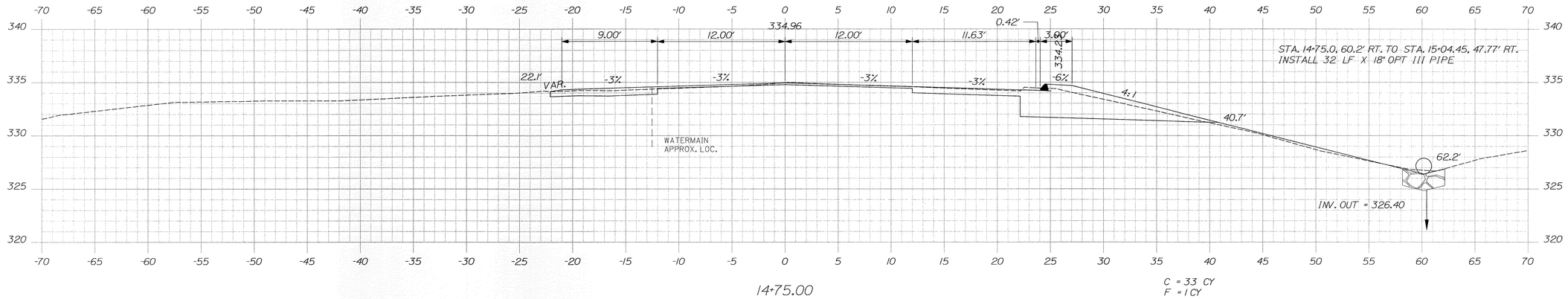
SHEET NUMBER

15

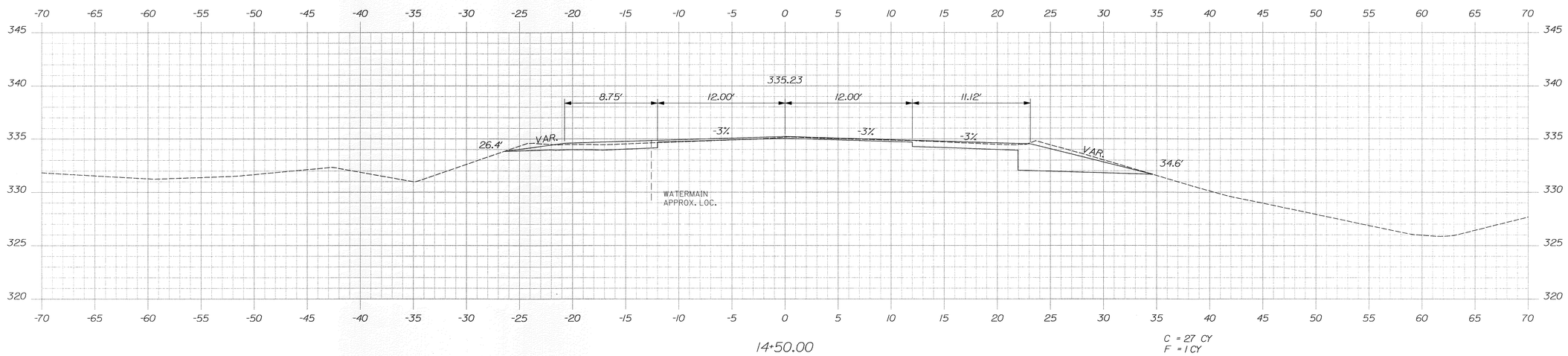
OF 35

Sta. 13+50.00 to Sta. 14+00.00

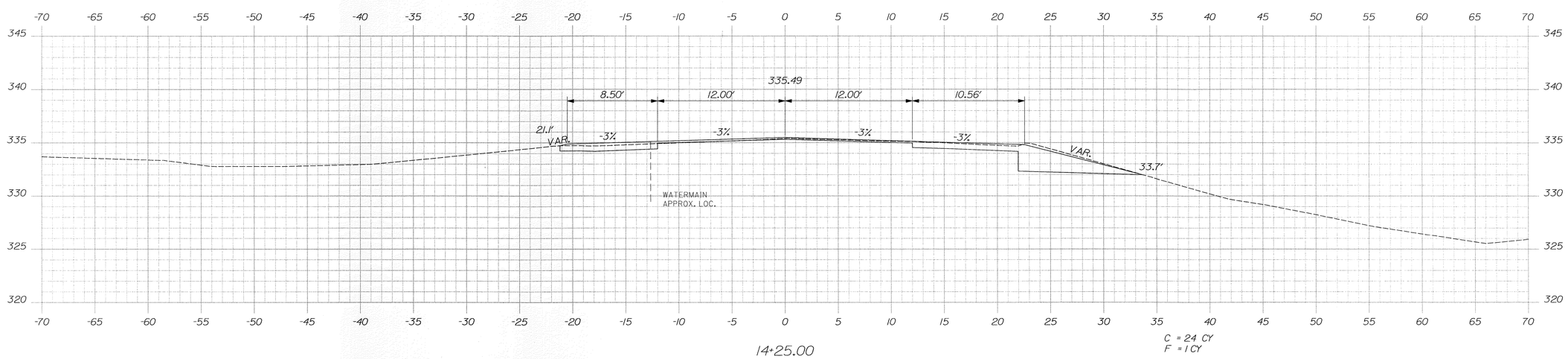
Filename: ...\MSTA\015_XSECT_13+50_002.dgn Division: HIGHWAY Username: jeason Date:11/13/2012



14+75.00



14+50.00



14+25.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7969
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER
7969

NOVEMBER 9, 2012
DATE

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG	JLE	11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

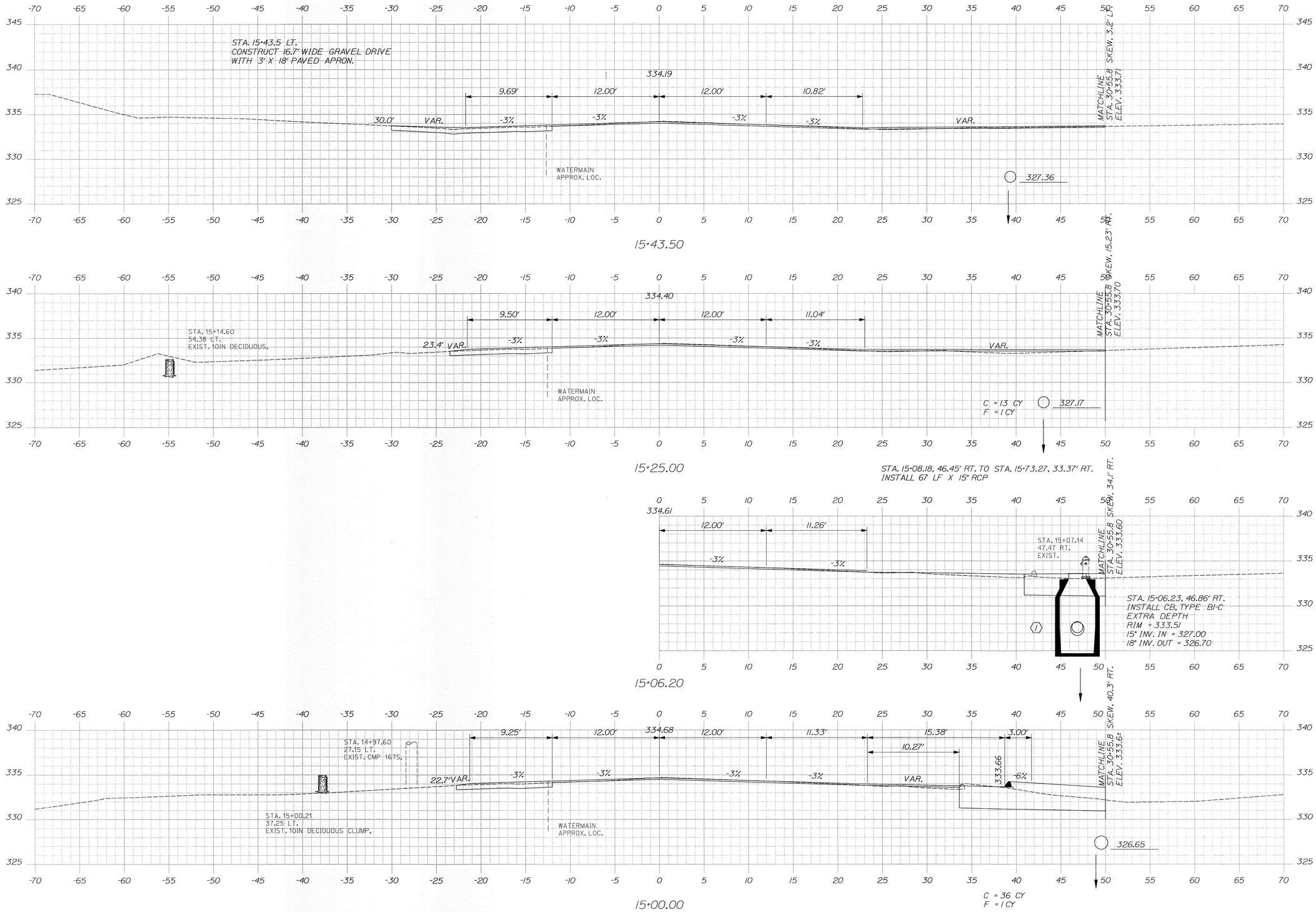
STANDISH
ROUTE 35

CROSS SECTIONS

SHEET NUMBER
16
OF 35

Sta. 14+25.00 to Sta. 14+75.00

Filename: ...\MSTA\016_XSECT_14+25_003.dgn Division: HIGHWAY Username: jeason Date:11/12/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED PROFESSIONAL ENGINEER

SIGNATURE

7960
P.E. NUMBER

NOVEMBER 9, 2012
DATE

		BY	DATE
PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG	JLE	11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

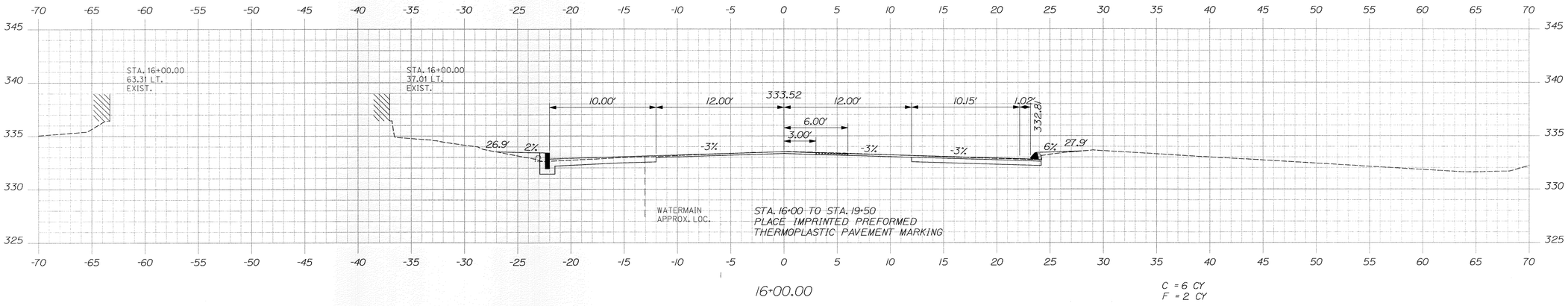
STANDISH
ROUTE 35

CROSS SECTIONS

SHEET NUMBER
17
OF 35

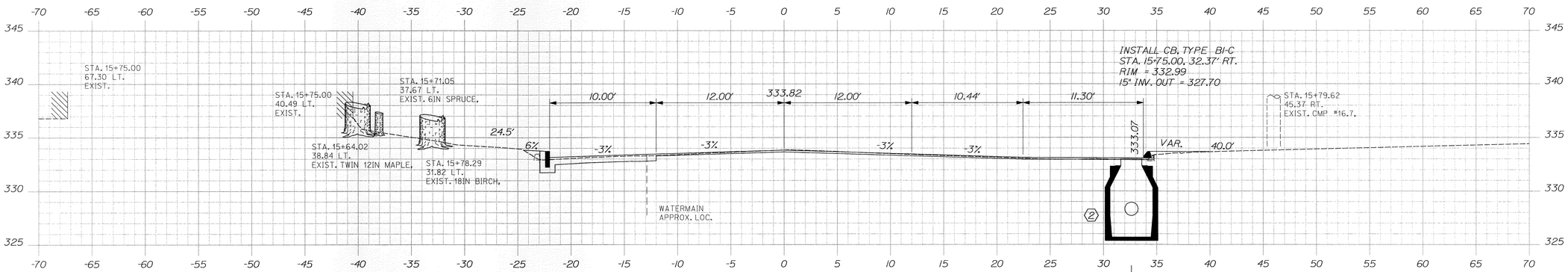
Sta. 15+00.00 to Sta. 15+43.50

Filename: ...\MSTA\017_XSECT_15+00_004.dgn Division: HIGHWAY Username: jeason Date:11/12/2012



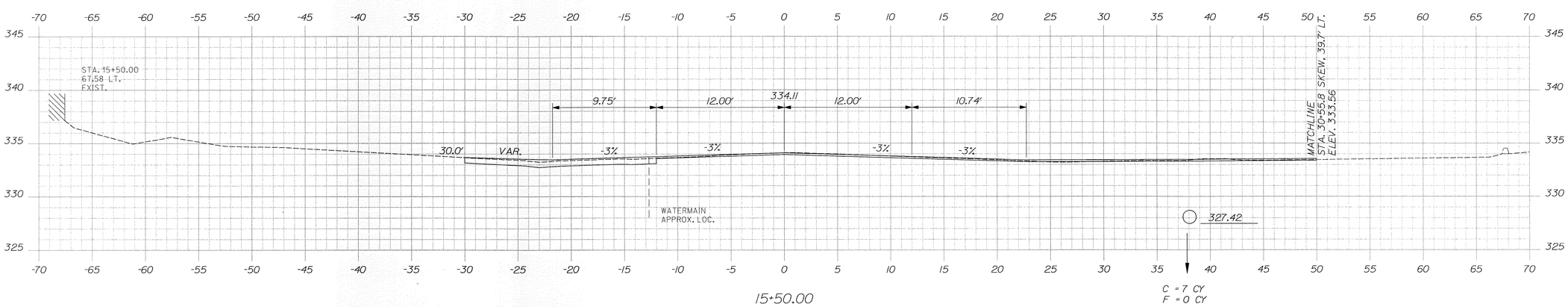
16+00.00

C = 6 CY
F = 2 CY



15+75.00

C = 7 CY
F = 1 CY



15+50.00

C = 7 CY
F = 0 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE		
7960		
P.E. NUMBER		
NOVEMBER 9, 2012		
DATE		

PROJ. MANAGER	BRIAN KEEZER	BY
DESIGN-DETAILED	ALG	JLE
CHECKED-REVIEWED	ALG	JLE
DESIGN2-DETAILED2	JLE	JLE
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

		DATE
	JLE	11-12
	JLE	11-12
	JLE	11-12

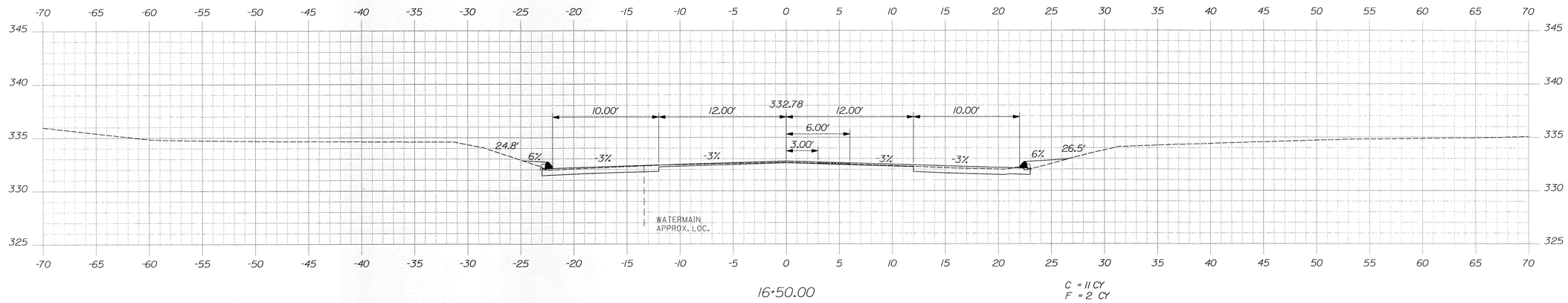
STANDISH
ROUTE 35

CROSS SECTIONS

SHEET NUMBER
18
OF 35

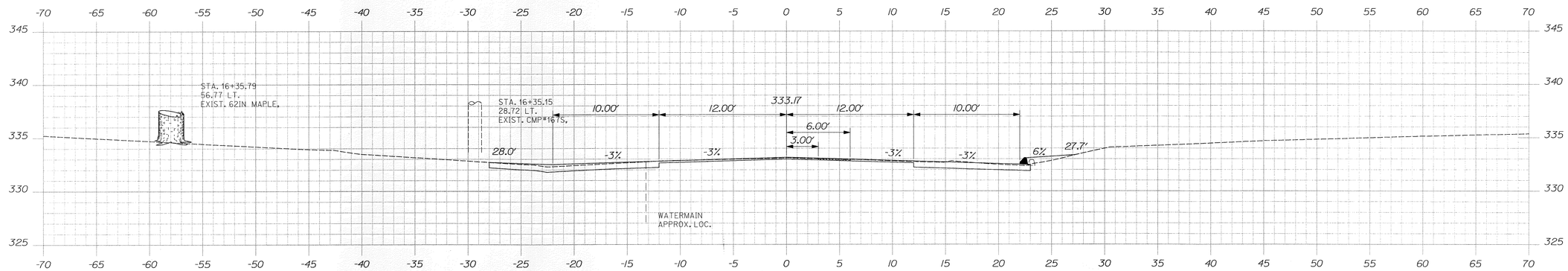
Sta. 15+50.00 to Sta. 16+00.00

Filename: ...\MSTA018_XSECT_15-50_005.dgn Division: HIGHWAY Username: jeason Date:11/12/2012



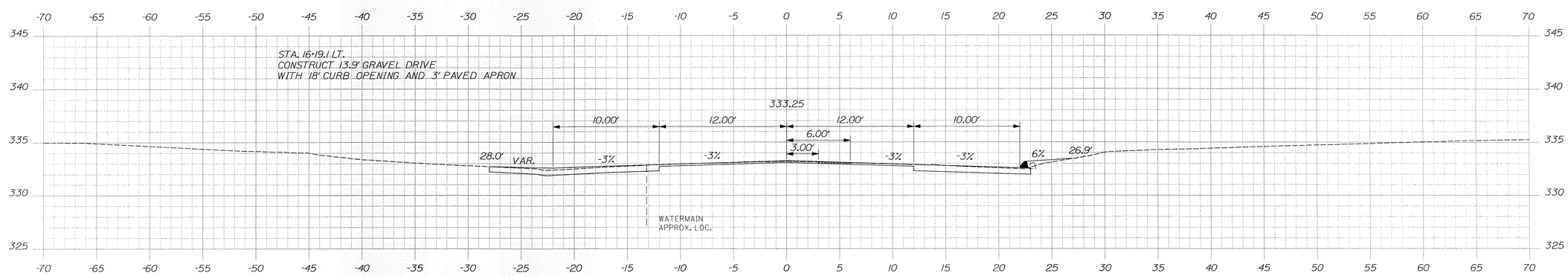
16+50.00

C = 11 CY
F = 2 CY



16+25.00

C = 10 CY
F = 2 CY



16+19.10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. JEASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE		
7960		
P.E. NUMBER		
NOVEMBER 9, 2012		
DATE		

PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	JLG	BY	DATE
CHECKED-REVIEWED	ALG	JLE	11-12
DESIGN2-DETAILED2	JLG	ALG	11-12
DESIGN3-DETAILED3	JLE	JLE	11-12
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35

CROSS SECTIONS

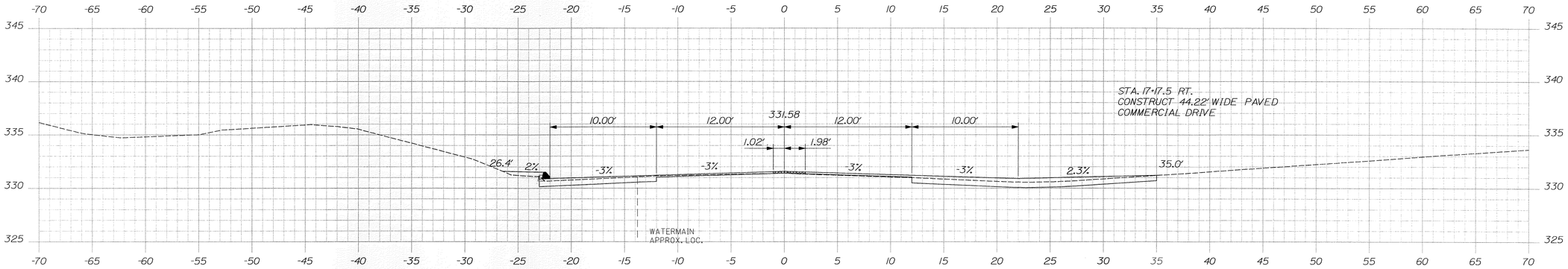
SHEET NUMBER

19

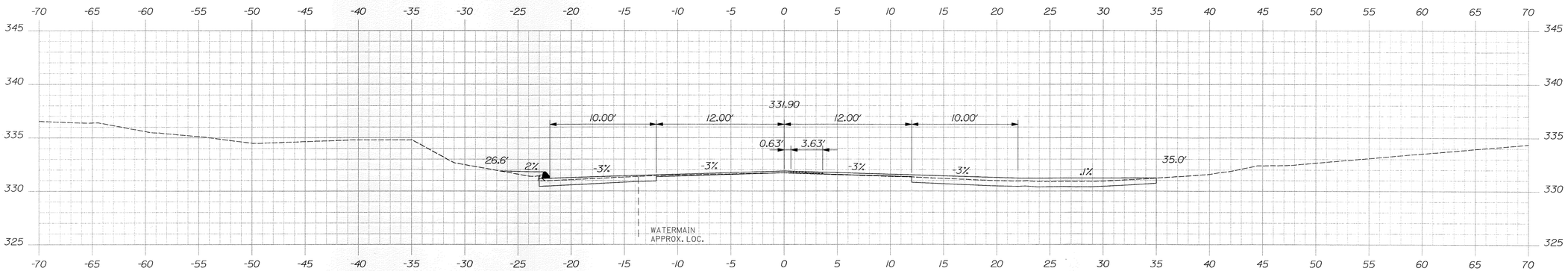
OF 35

Filename: ...\MSTA\019_XSECT_16+19_006.dgn Division: HIGHWAY Username: jeason Date:11/12/2012

Sta. 16+19.10 to Sta. 16+50.00

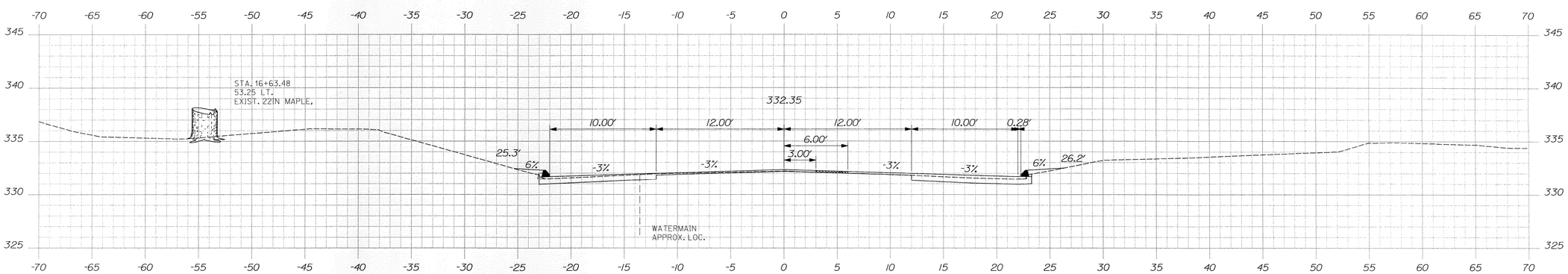


17+17.5



17+00.00

C = 14 CY
F = 1 CY



16+75.00

C = 11 CY
F = 2 CY

Sta. 16+75.00 to Sta. 17+17.5

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

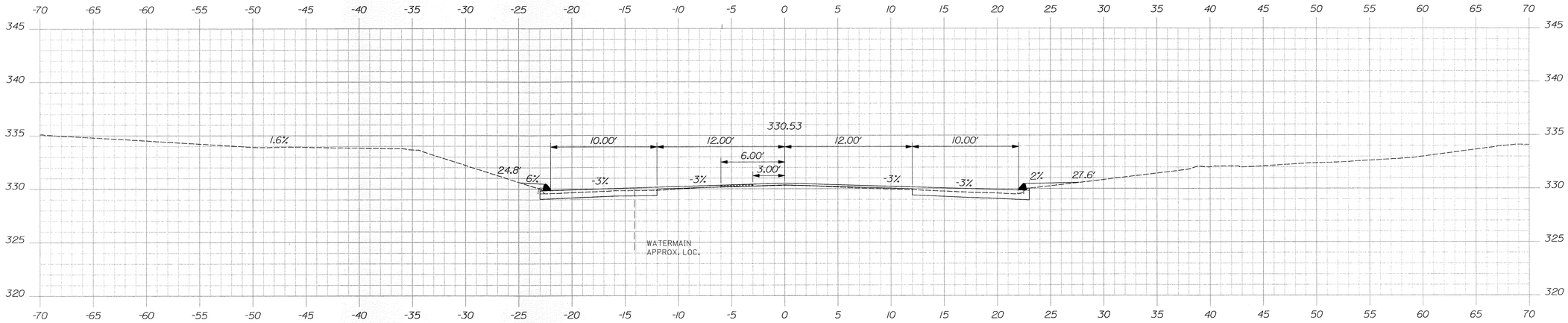
PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG	JLE	11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35

CROSS SECTIONS

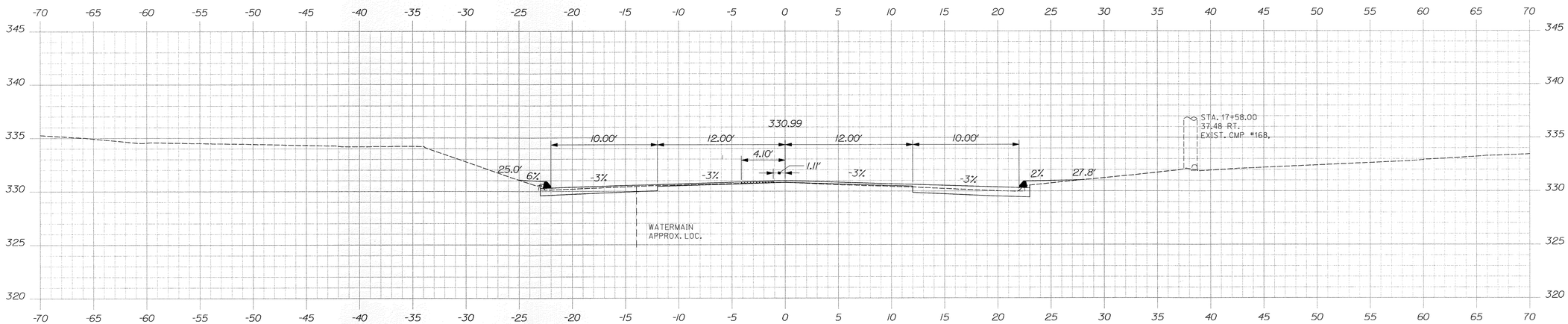
SHEET NUMBER
20
OF 35

Filename: ...\MSTA020_XSECT_16-75_007.dgn Division: HIGHWAY Username: jeason Date:11/12/2012



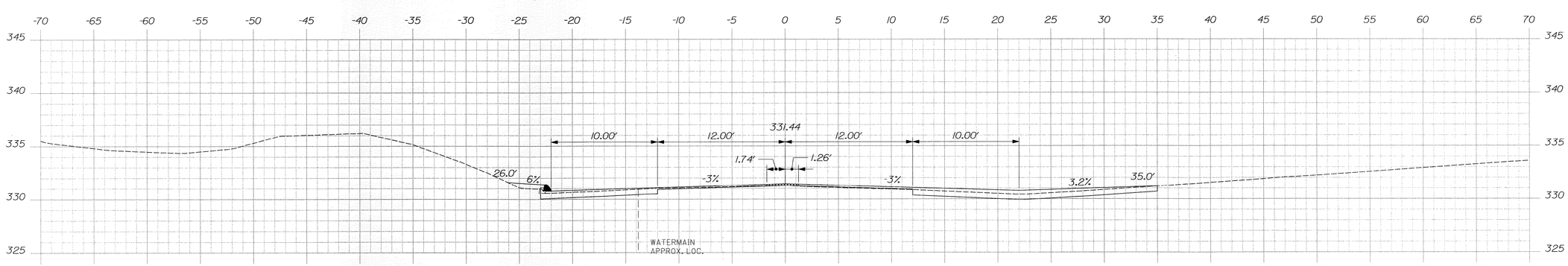
17+75.00

C = 11 CY
F = 2 CY



17+50.00

C = 14 CY
F = 1 CY



17+25.00

C = 16 CY
F = 1 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE		
7960		
P.E. NUMBER		
NOVEMBER 9, 2012		
DATE		

PROJ. MANAGER	BRIAN KEEZER	BY
DESIGN-DETAILED	ALG	JLE
CHECKED-REVIEWED	ALG	JLE
DESIGN2-DETAILED2	JLE	JLE
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

STANDISH
ROUTE 35

CROSS SECTIONS

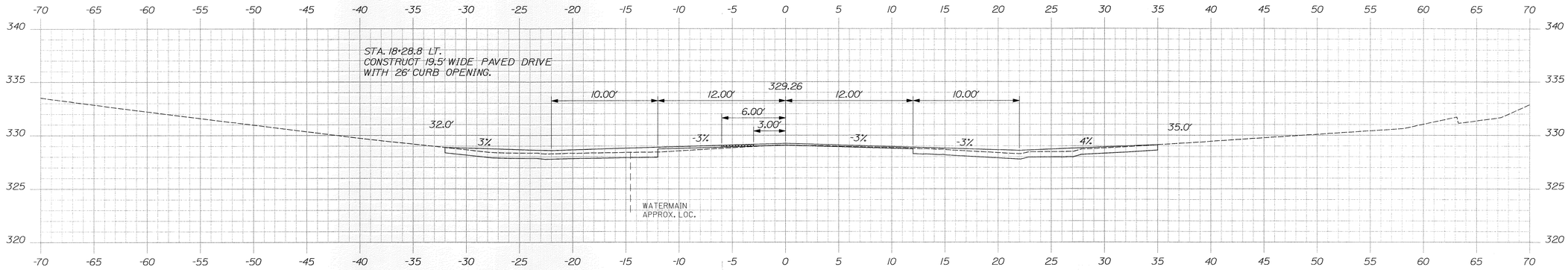
SHEET NUMBER

21

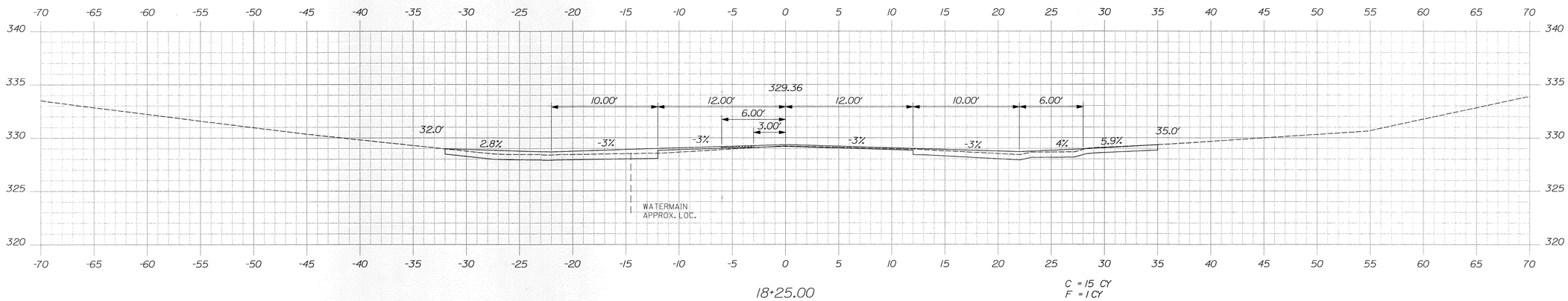
OF 35

Sta. 17+25.00 to Sta. 17+75.00

Filename: ...\MSTA\021_XSECT_17+25_008.dgn Division: HIGHWAY Username: jeason Date:11/12/2012

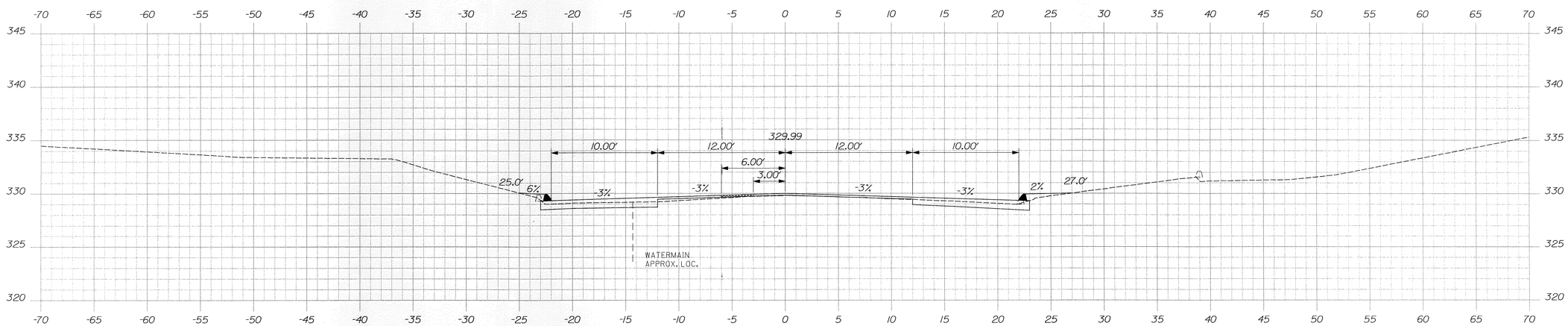


18+28.80



18+25.00

C = 15 CY
F = 1 CY



18+00.00

C = 10 CY
F = 2 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

7960
P.E. NUMBER

NOVEMBER 9, 2012
DATE

		BY	DATE
PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
ROUTE 35

CROSS SECTIONS

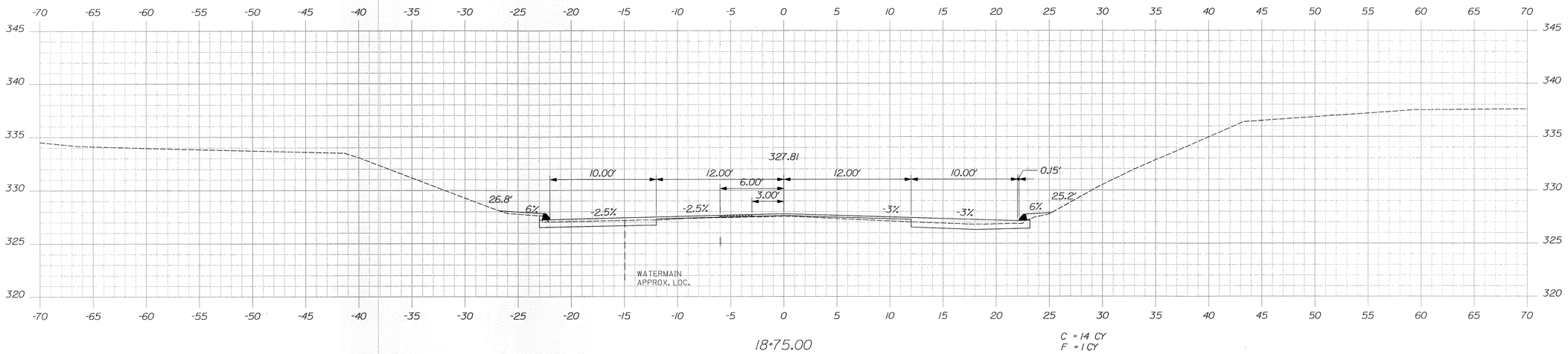
SHEET NUMBER

22

OF 35

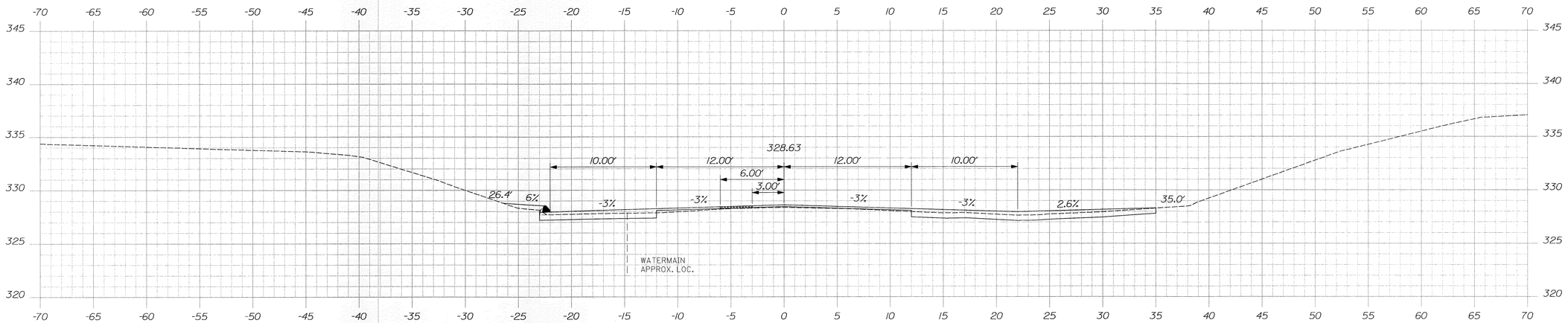
Sta. 18+00.00 to Sta. 18+28.80

Filename: ...\MSTA\022_XSECT_18+00_009.dgn Division: HIGHWAY Username: jeason Date:11/12/2012



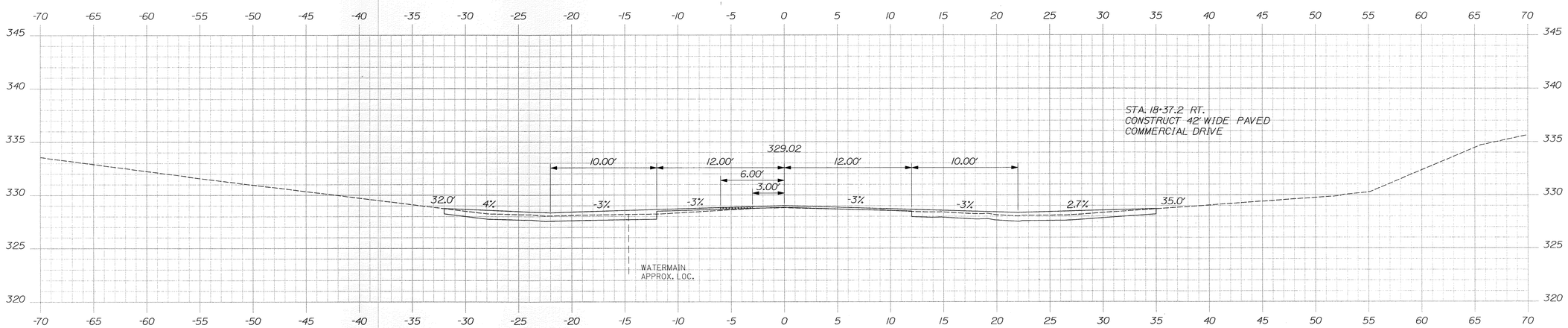
18+75.00

C = 14 CY
F = 1 CY



18+50.00

C = 18 CY
F = 0 CY



18+37.20

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

		SIGNATURE	
		7960	
		P.E. NUMBER	
		NOVEMBER 9, 2012	
		DATE	

PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	JLE	JLE	11-12
CHECKED-REVIEWED	ALG	ALG	11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

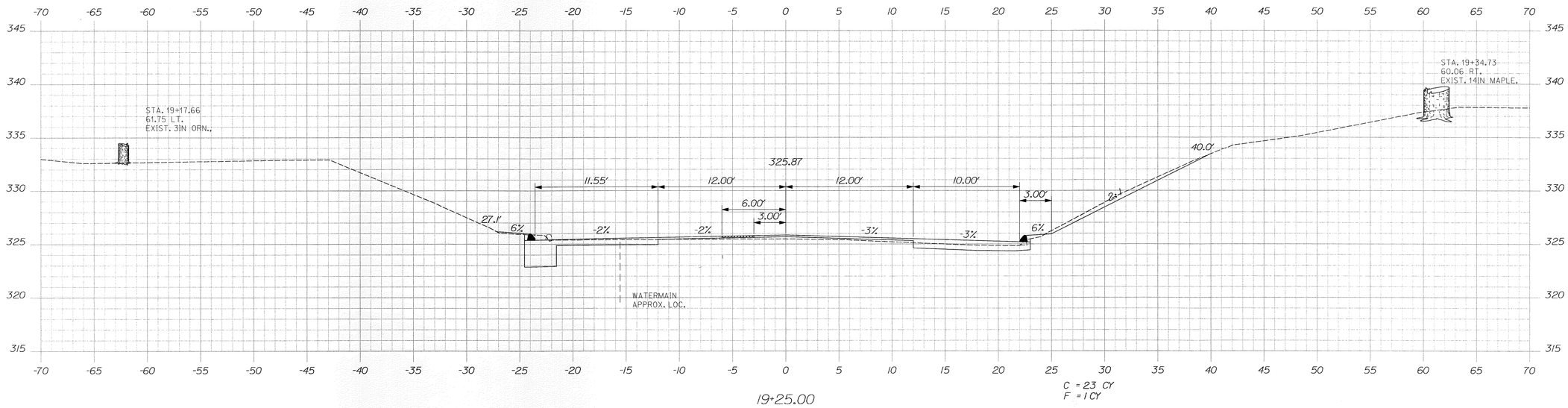
STANDISH
ROUTE 35

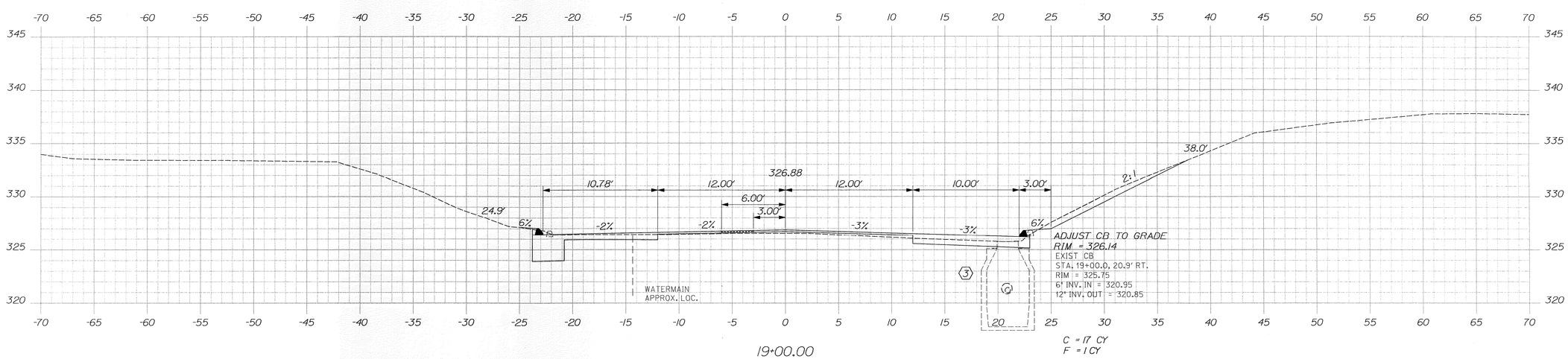
CROSS SECTIONS

SHEET NUMBER
23
OF 35

Filename: ...\MSTA\023_XSECT_18+37_010.dgn Division: HIGHWAY Username: jeason Date:11/12/2012

Sta. 18+37.20 to Sta. 18+75.00





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

		BY	DATE
PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

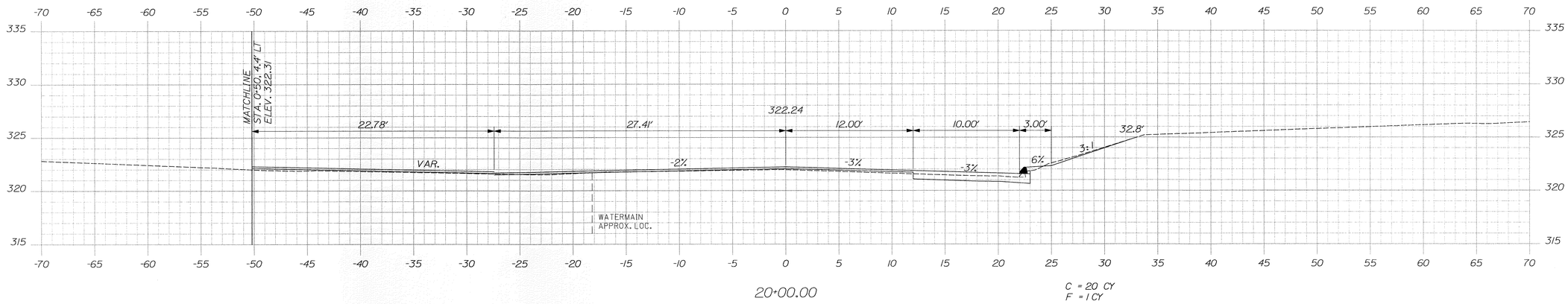
STANDISH
ROUTE 35

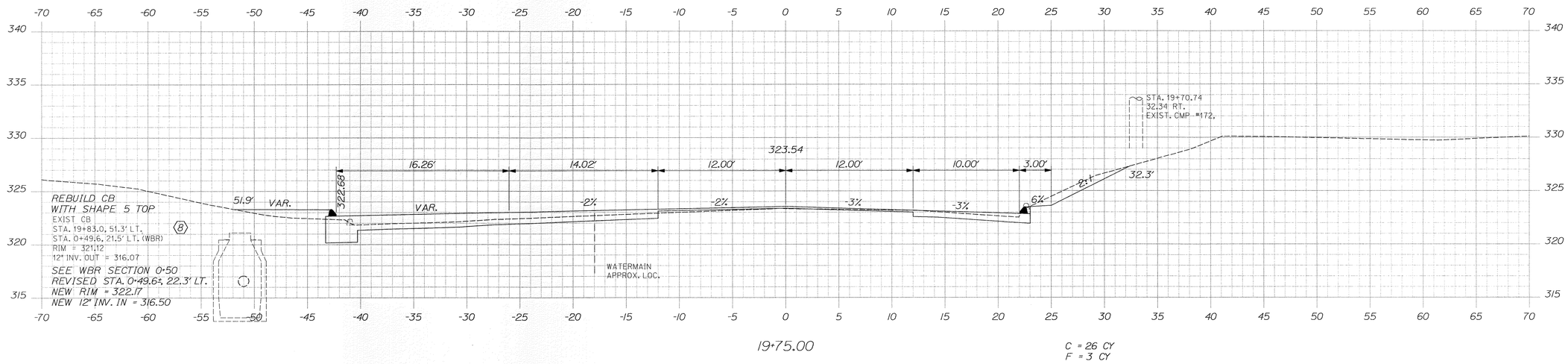
CROSS SECTIONS

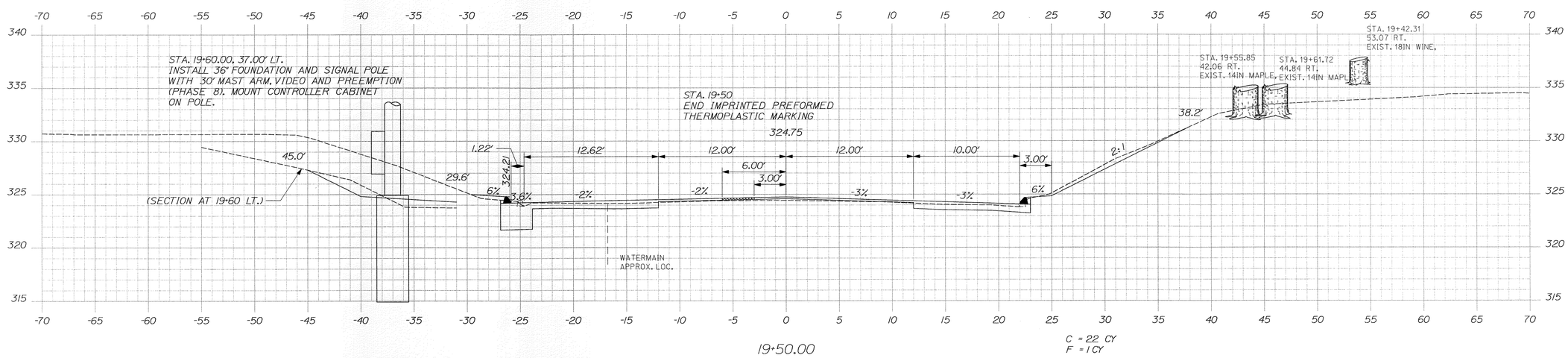
SHEET NUMBER
24
OF 35

Sta. 19+00.00 to Sta. 19+25.00

Filename: ...\MSTA\024_XSECT_19+00_011.dgn Division: HIGHWAY Username: jeason Date:11/12/2012







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE		
7960		
P.E. NUMBER		
NOVEMBER 9, 2012		
DATE		

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	ALG	ALE	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	ALE	ALE	11-12
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

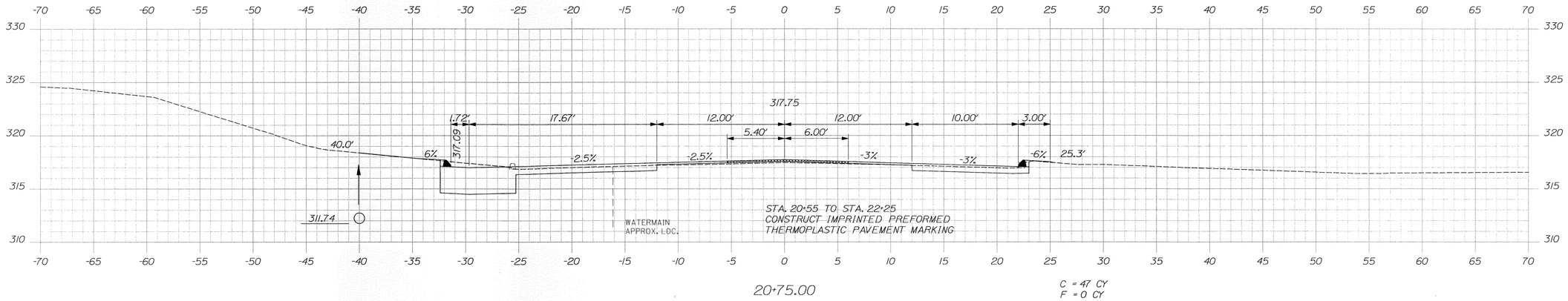
STANDISH
ROUTE 35

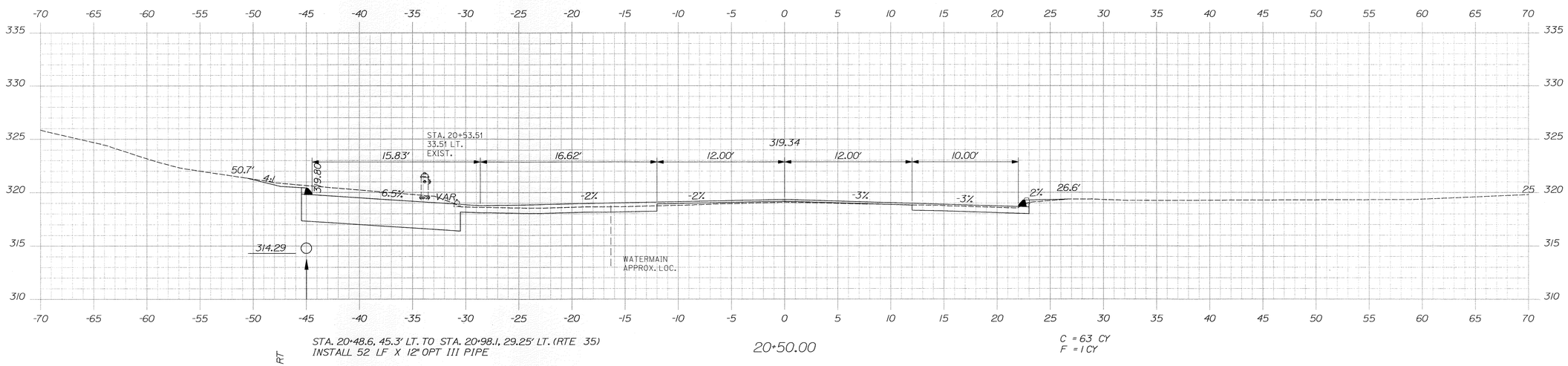
CROSS SECTIONS

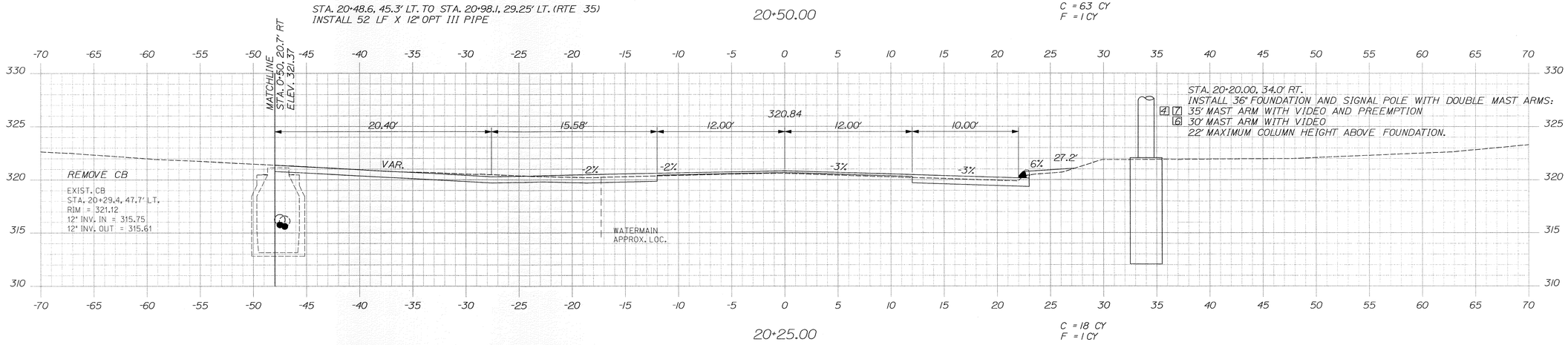
SHEET NUMBER
25
OF 35

Sta. 19+50.00 to Sta. 20+00.00

Filename: ...\MSTA\025_XSECT_19+50_012.dgn Division: HIGHWAY Username: jeason Date:11/13/2012







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
BRIAN A. KEEZER
No. 7960
LICENSED PROFESSIONAL ENGINEER

SIGNATURE 7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	ALG	AJE	11-12
CHECKED-REVIEWED	ALG	AJE	11-12
DESIGN2-DETAILED2	AJE		11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

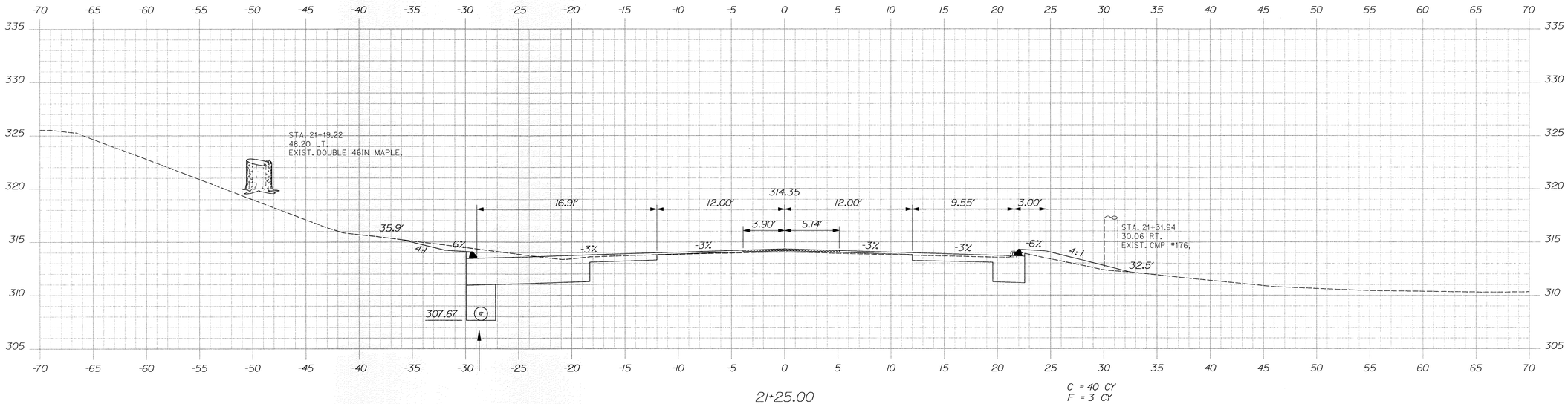
STANDISH
ROUTE 35

CROSS SECTIONS

SHEET NUMBER
26
OF 35

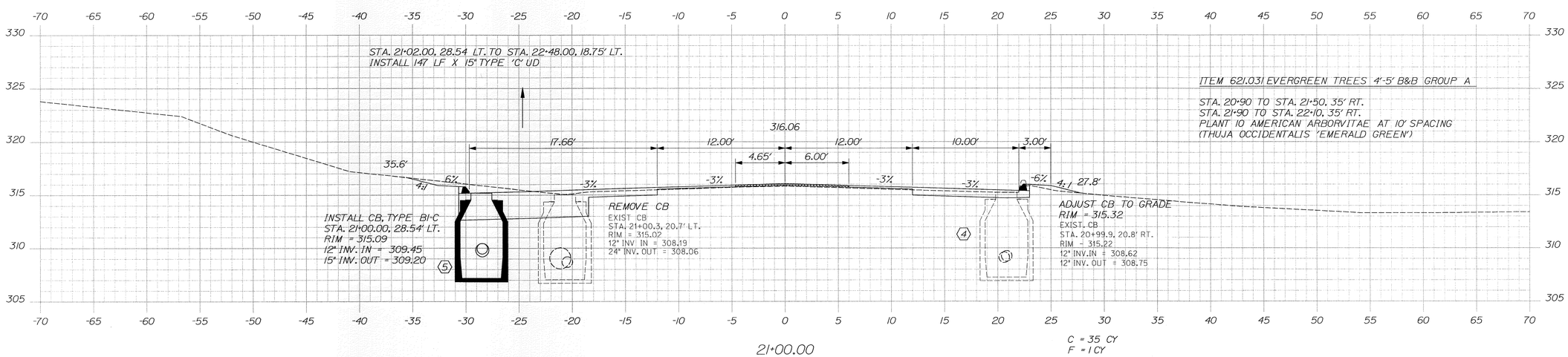
Sta. 20+25.00 to Sta. 20+75.00

Filename: ...\MSTA\026_XSECT_20+25_013.dgn Division: HIGHWAY Username: jeason Date:11/14/2012



21+25.00

C = 40 CY
F = 3 CY



ITEM 621.031 EVERGREEN TREES 4'-5' B&B GROUP A

STA. 20+90 TO STA. 21+50, 35' RT.
STA. 21+90 TO STA. 22+10, 35' RT.
PLANT 10 AMERICAN ARBORVITAE AT 10' SPACING
(THUJA OCCIDENTALIS 'EMERALD GREEN')

21+00.00

C = 35 CY
F = 1 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

	BY	DATE
PROJ. MANAGER	BRIAN KEEZER	
DESIGN-DETAILED	ALG	11-12
CHECKED-REVIEWED	ALG	11-12
DESIGN2-DETAILED2	JLE	11-12
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

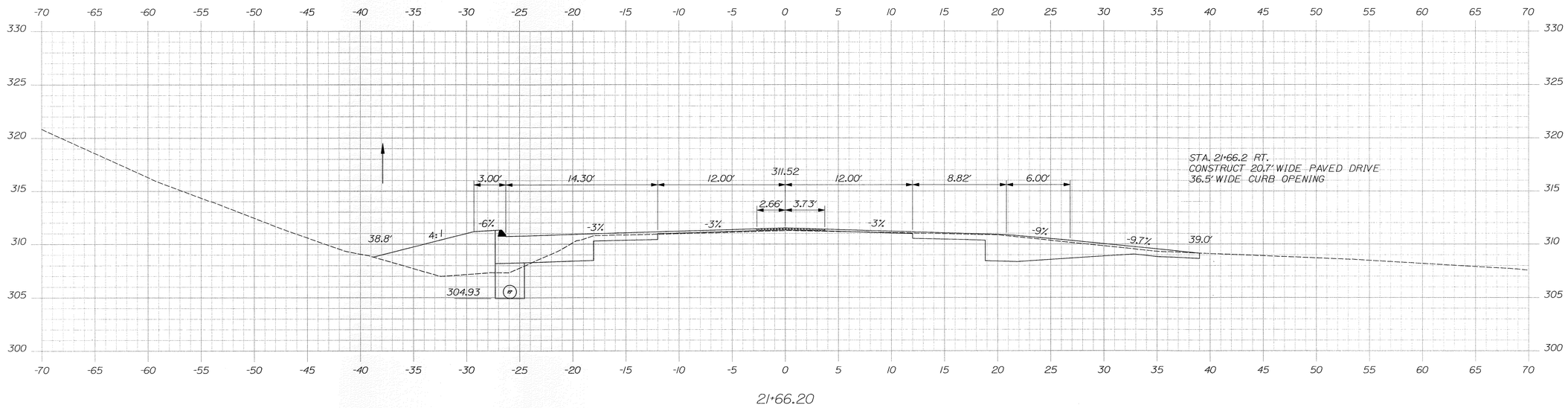
STANDISH
ROUTE 35

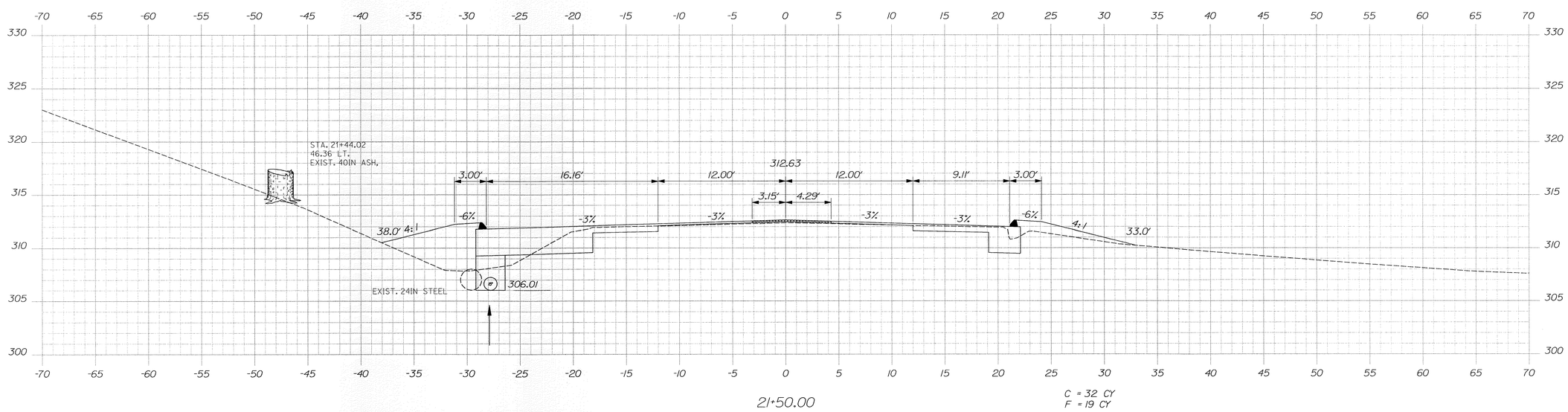
CROSS SECTIONS

SHEET NUMBER
27
OF 35

Sta. 21+00.00 to Sta. 21+25.00

Filename: ...\MSTA\027_XSECT_21+00_014.dgn Division: HIGHWAY Username: jeason Date:11/14/2012





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

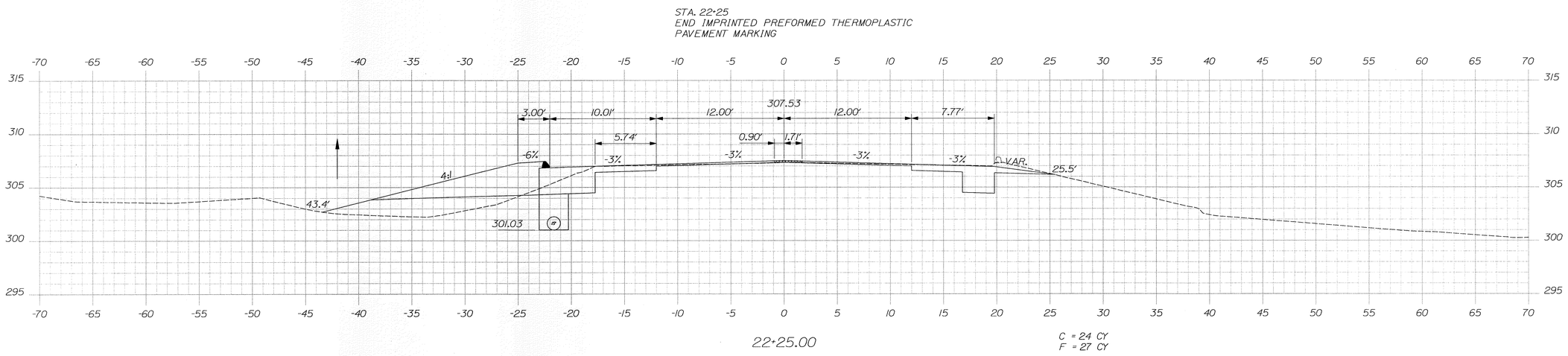
STANDISH
ROUTE 35

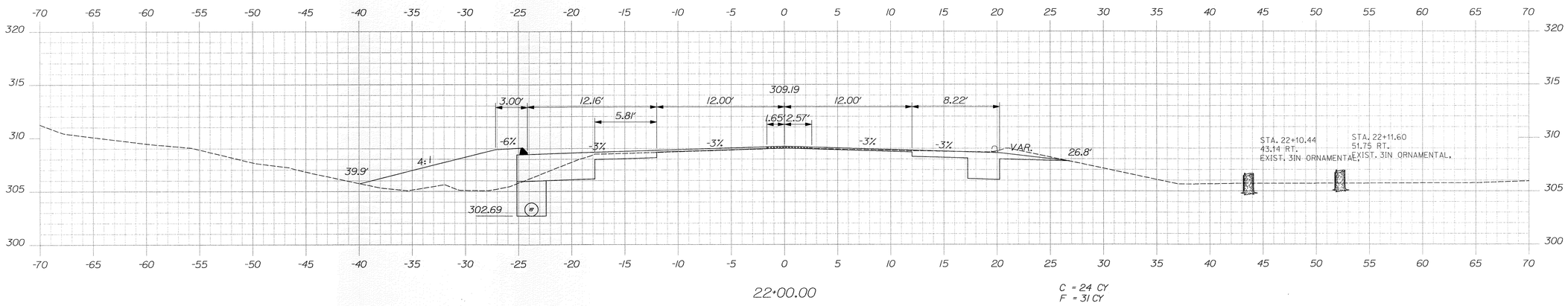
CROSS SECTIONS

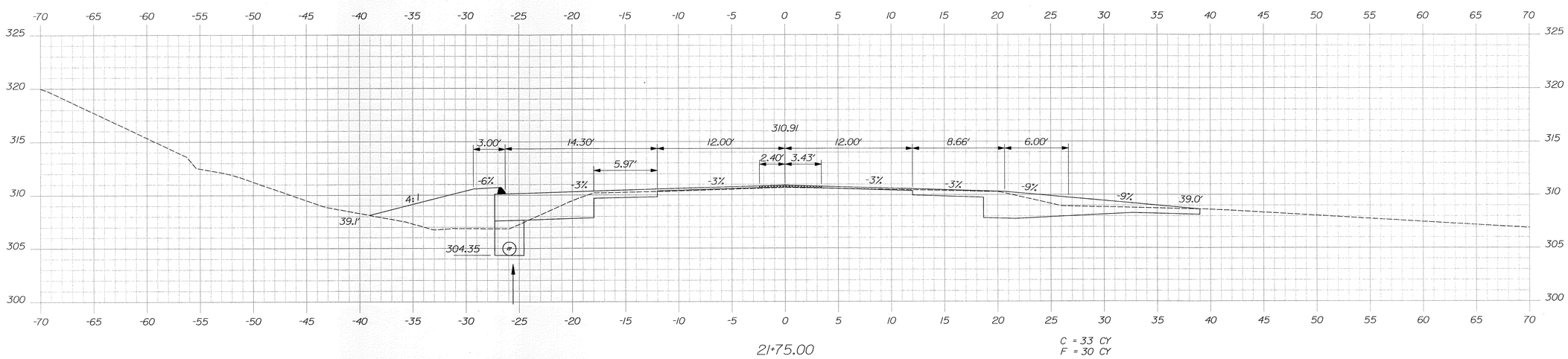
SHEET NUMBER
28
OF 35

Sta. 21+50.00 to Sta. 21+66.20

Filename: ...\MSTA\028_XSECT_21+50_015.dgn Division: HIGHWAY Username: jeason Date:11/14/2012







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

		BY	DATE
PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

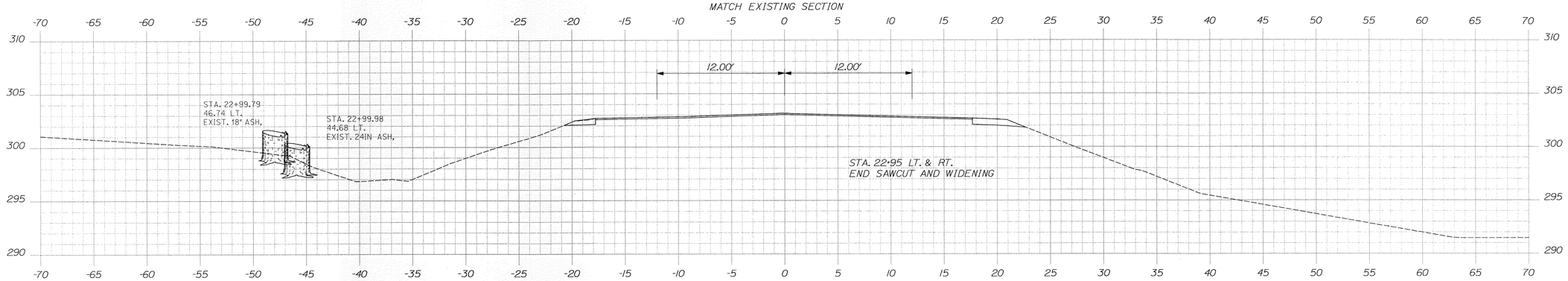
STANDISH
ROUTE 35

CROSS SECTIONS

SHEET NUMBER
29
OF 35

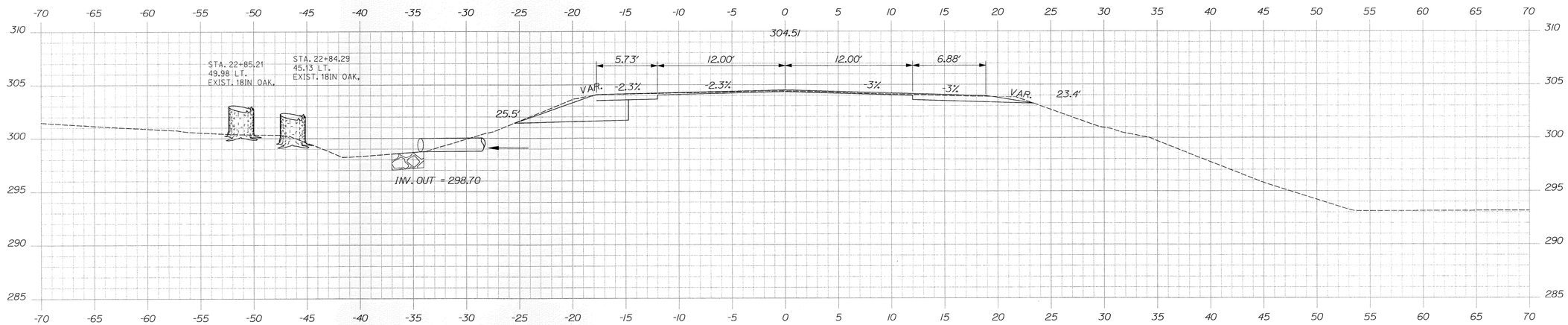
Sta. 21+75.00 to Sta. 22+25.00

Filename: ...\MSTA\029_XSECT_21-75_016.dgn Division: HIGHWAY Username: jeason Date:11/14/2012



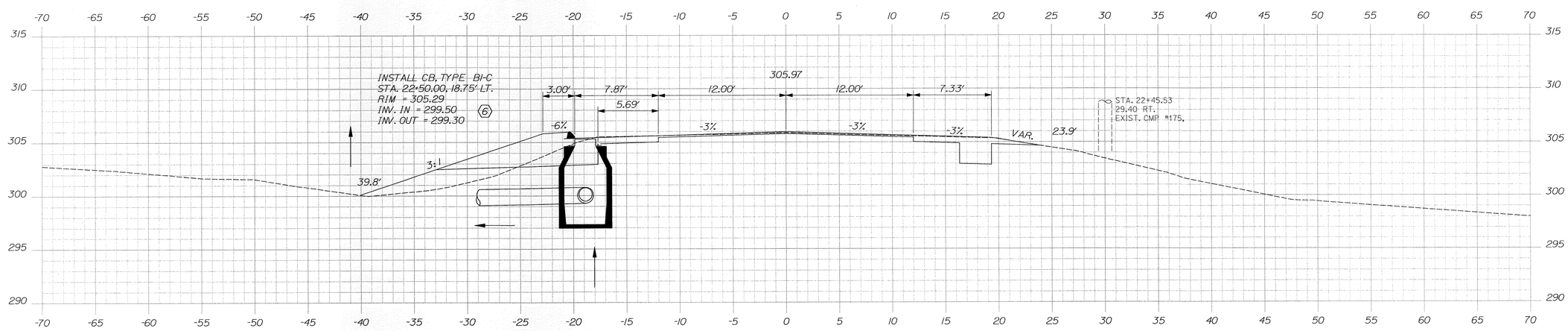
23+00.00

C = 9 CY
F = 2 CY



22+75.00

C = 21 CY
F = 8 CY



22+50.00

C = 24 CY
F = 19 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12767.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

7960
P.E. NUMBER

NOVEMBER 9, 2012
DATE

	BY	DATE
PROJ. MANAGER	BRIAN KEEZER	
DESIGN-DETAILED	ALG	11-12
CHECKED-REVIEWED	ALG	11-12
DESIGN2-DETAILED2	JLE	11-12
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

STANDISH
ROUTE 35

CROSS SECTIONS

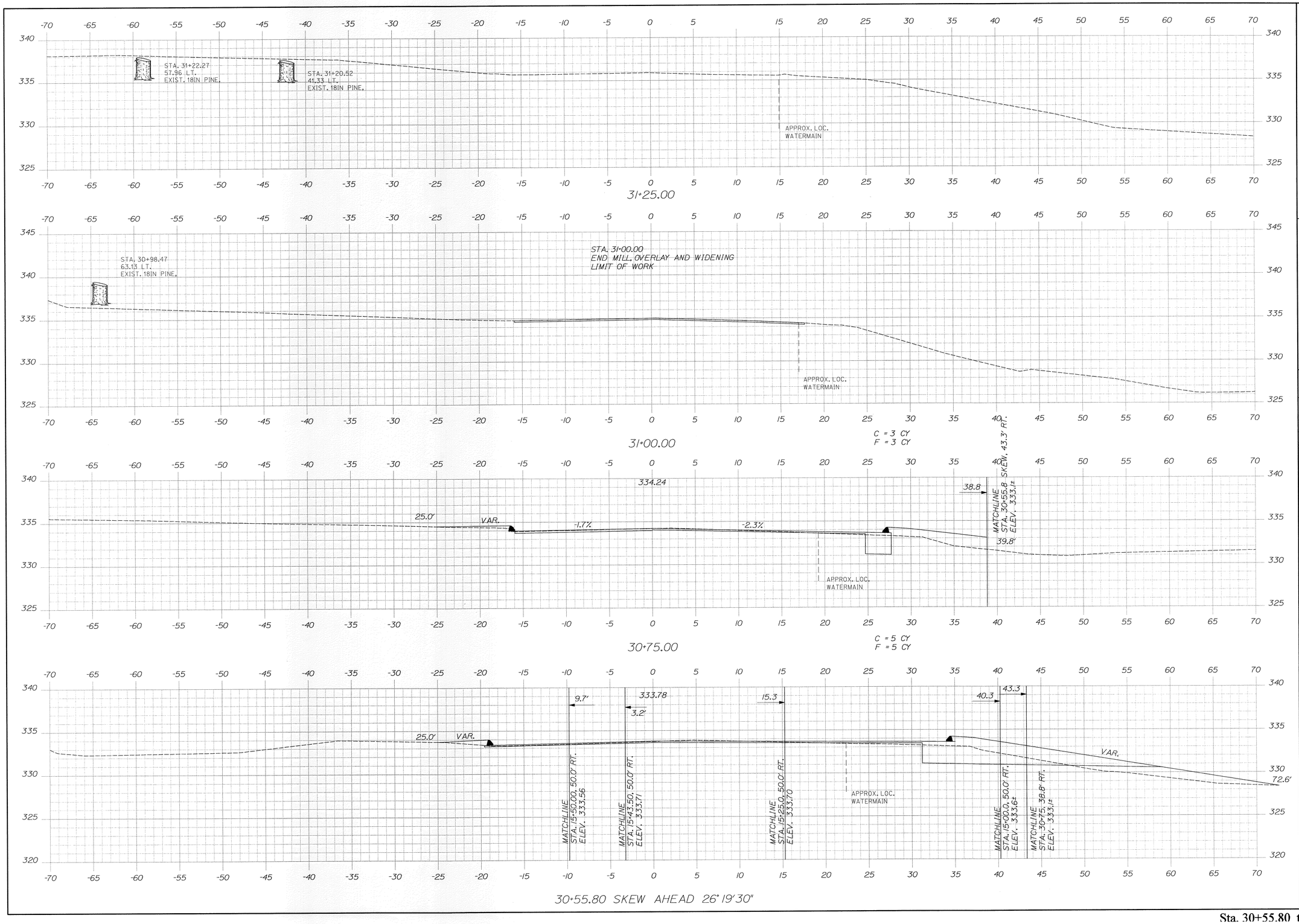
SHEET NUMBER

30

OF 35

Sta. 22+50.00 to Sta. 23+00.00

Filename: ...\MSTA\030_XSECT_22+50_017.dgn Division: HIGHWAY Username: jeason Date:11/14/2012



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

PIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE		
7960	P.E. NUMBER	
NOVEMBER 9, 2012	DATE	

PROJ. MANAGER	BRIAN KEEZER	BY
DESIGN-DETAILED	ALG	J.L.E.
CHECKED-REVIEWED	ALG	J.L.E.
DESIGN2-DETAILED2	JLE	J.L.E.
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

DATE
11-12
11-12
11-12

STANDISH
STANDISH NECK ROAD

CROSS SECTIONS

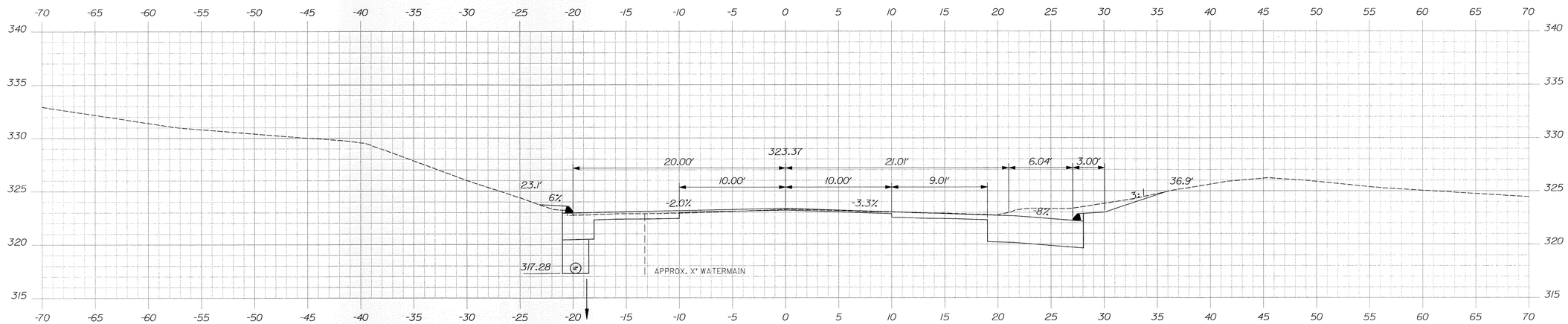
SHEET NUMBER

31

OF 35

Sta. 30+55.80 to Sta. 31+25.00

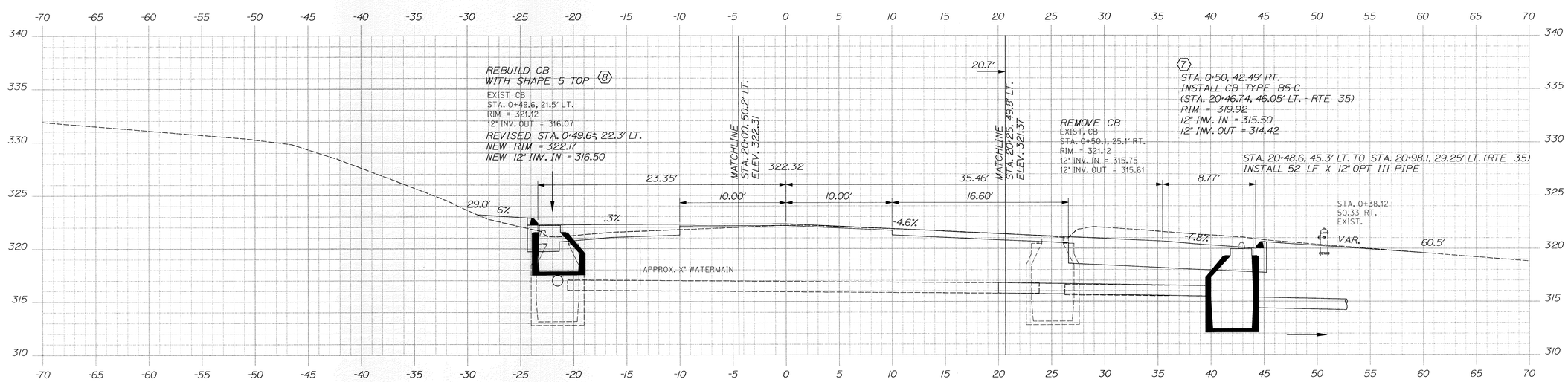
Date:11/12/2012 Username: jeason Division: HIGHWAY



STA. 0+51.6, 22.3' LT TO STA. 1+48.0, 17.56' LT.
INSTALL 97 LF X 12" TYPE 'C' UD

0+75.00

C = 61 CY
F = 2 CY



0+50.00

STA. 0+50, 20.0' RT. TO STA. 0+50, 40.5' RT
INSTALL 21 LF X 12" OPT III PIPE.

Sta. 0+50.00 to Sta. 0+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

7960
P.E. NUMBER

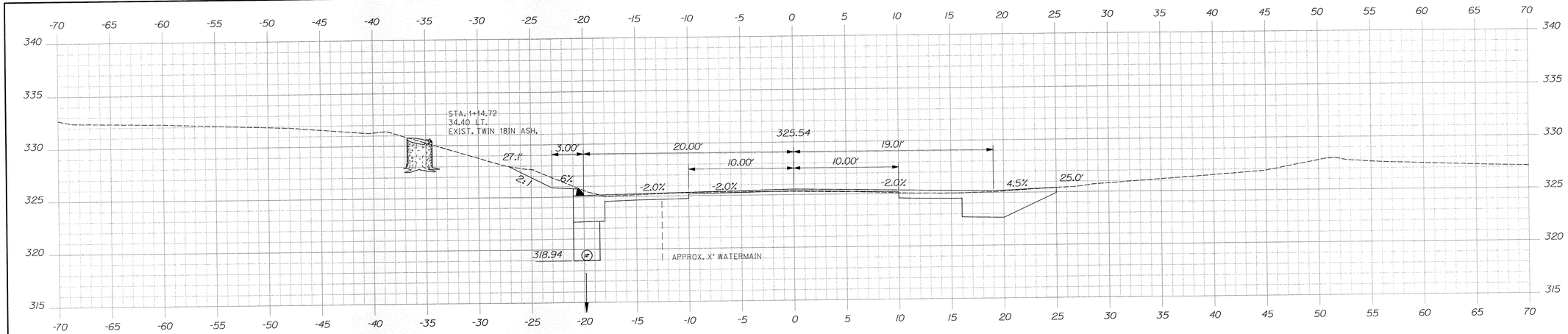
NOVEMBER 9, 2012
DATE

STANDISH
WHITES BRIDGE ROAD

CROSS SECTIONS

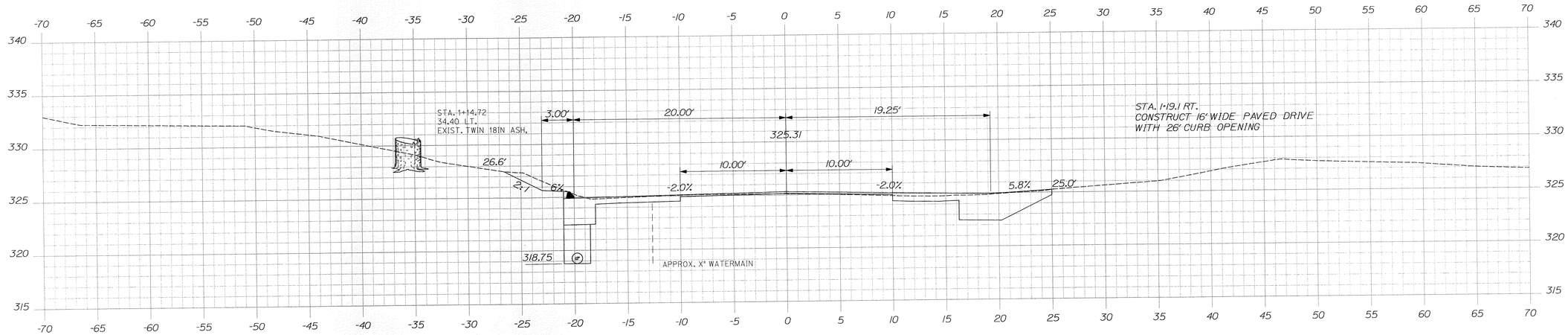
SHEET NUMBER
32
OF 35

Filename: ...\MSTA\032_XSECT_0+50_001.dgn Division: HIGHWAY Username: jeason Date:11/14/2012

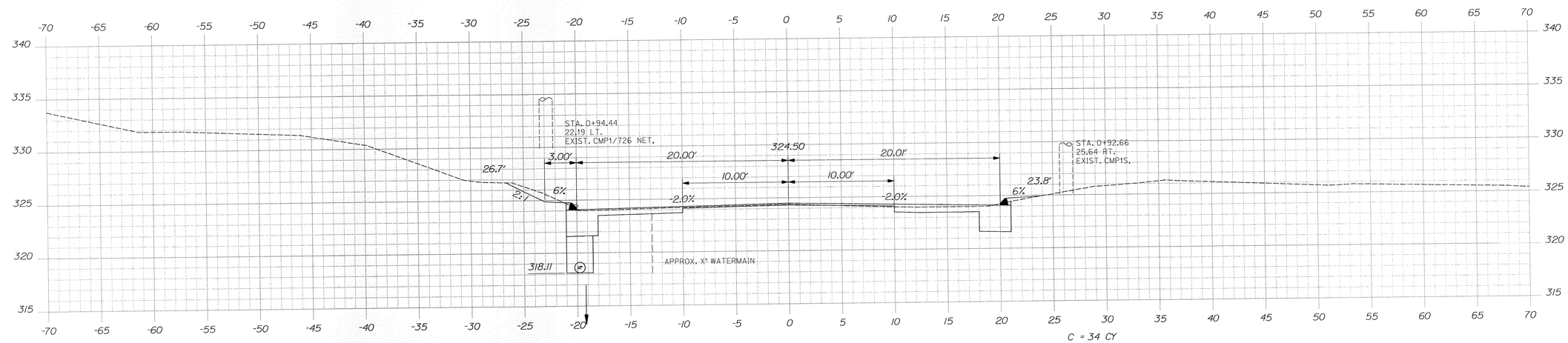


1+25.00

C = 30 CY
F = 0 CY



1+19.1



1+00.00

C = 34 CY
F = 1 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

		BY	DATE
PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	ALG	JLE	11/12
CHECKED-REVIEWED	ALG		11/12
DESIGN DETAILED2	JLE	JLE	11/12
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

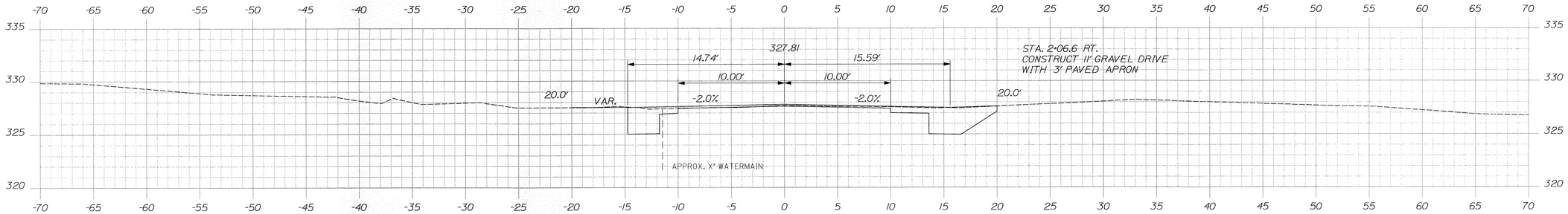
STANDISH
WHITES BRIDGE ROAD

CROSS SECTIONS

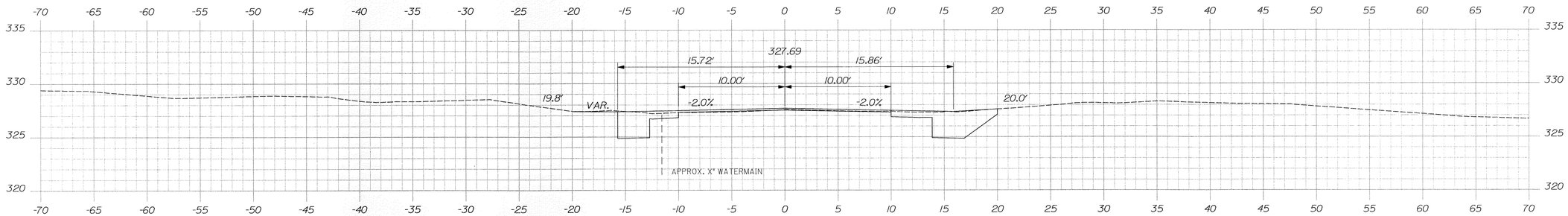
SHEET NUMBER
33
OF 35

Sta. 1+00.00 to Sta. 1+25.00

Filename: ...\MSTA\033_XSECT_1+00_002.dgn Division: HIGHWAY Username: jeason Date:11/14/2012

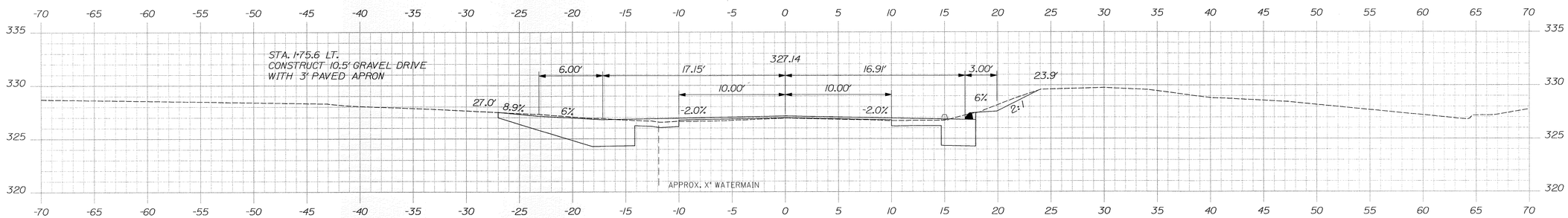


2+06.60



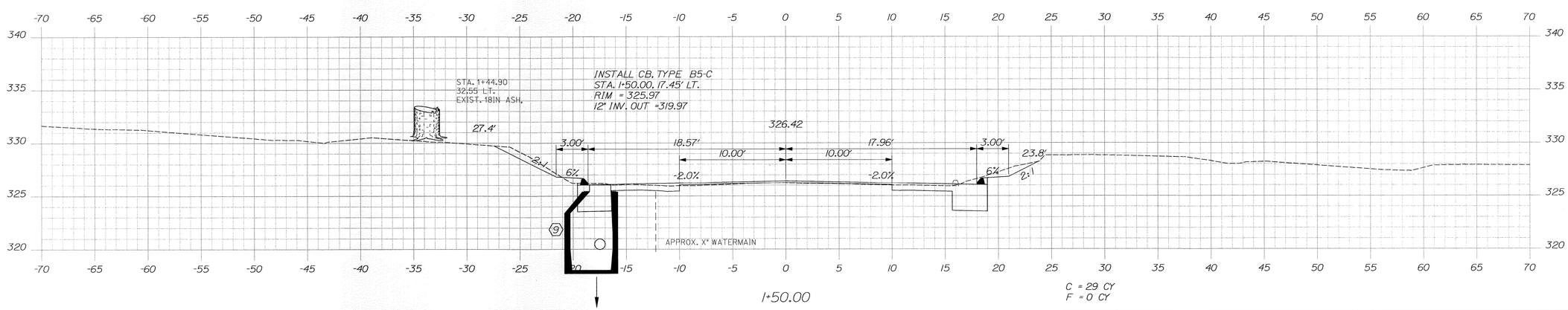
2+00.00

C = 28 CY
F = 0 CY



1+75.00

C = 30 CY
F = 0 CY



1+50.00

C = 29 CY
F = 0 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN
12767.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
7960
P.E. NUMBER
NOVEMBER 9, 2012
DATE

PROJ. MANAGER	BRIAN KEEZER		
DESIGN-DETAILED	AJG	BY	DATE
CHECKED-REVIEWED	AJG	AJE	11-12
DESIGN2-DETAILED2	JLE	AJG	11-12
DESIGN3-DETAILED3		JLE	11-12
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

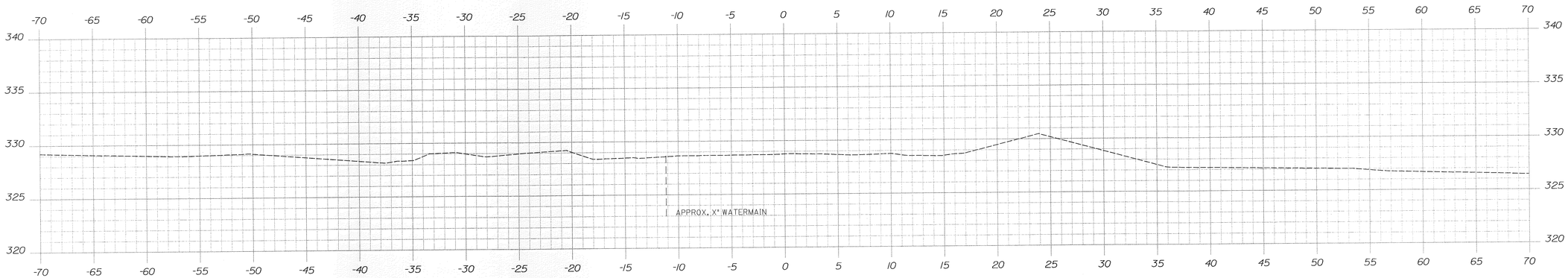
STANDISH
WHITES BRIDGE ROAD

CROSS SECTIONS

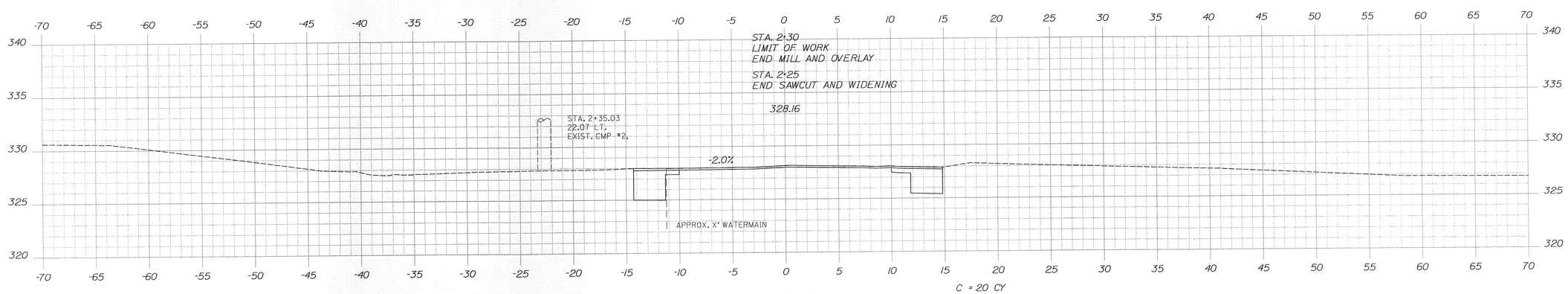
SHEET NUMBER
34
OF 35

Sta. 1+50.00 to Sta. 2+06.60

Filename: ...\MSTA\034_XSECT_1+50_003.dgn Division: HIGHWAY Username: jeason Date:11/12/2012



2+50.00



2+25.00

C = 20 CY
F = 0 CY

Sta. 2+25.00 to Sta. 2+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1275(700)X

WIN 12757.00

HIGHWAY PLANS

STATE OF MAINE
JAMES L. EASON
No. 7960
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE

7960
P.E. NUMBER

NOVEMBER 9, 2012
DATE

PROJ. MANAGER	BRIAN KEEZER	BY	DATE
DESIGN-DETAILED	ALG	JLE	11-12
CHECKED-REVIEWED	ALG		11-12
DESIGN2-DETAILED2	JLE	JLE	11-12
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STANDISH
WHITES BRIDGE ROAD

CROSS SECTIONS

SHEET NUMBER
35
OF 35

Filename: ...\MSTA\035_XSECT_2+25_004.dgn Division: HIGHWAY Username: jeason Date:11/12/2012