

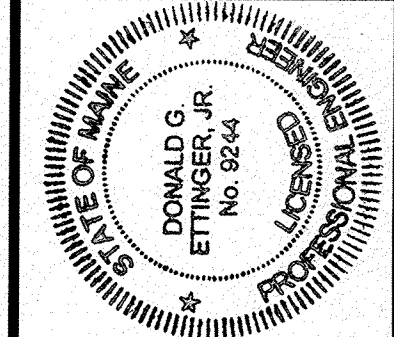
CITY OF AUBURN HAMPSHIRE STREET PIPE LINING AUBURN, MAINE

ANDROSCOGGIN COUNTY
PROJECT LENGTH: 0.38 MILES
BID NUMBER: 2017-025

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CITY OF AUBURN
60 COURT STREET
AUBURN, MAINE 04210

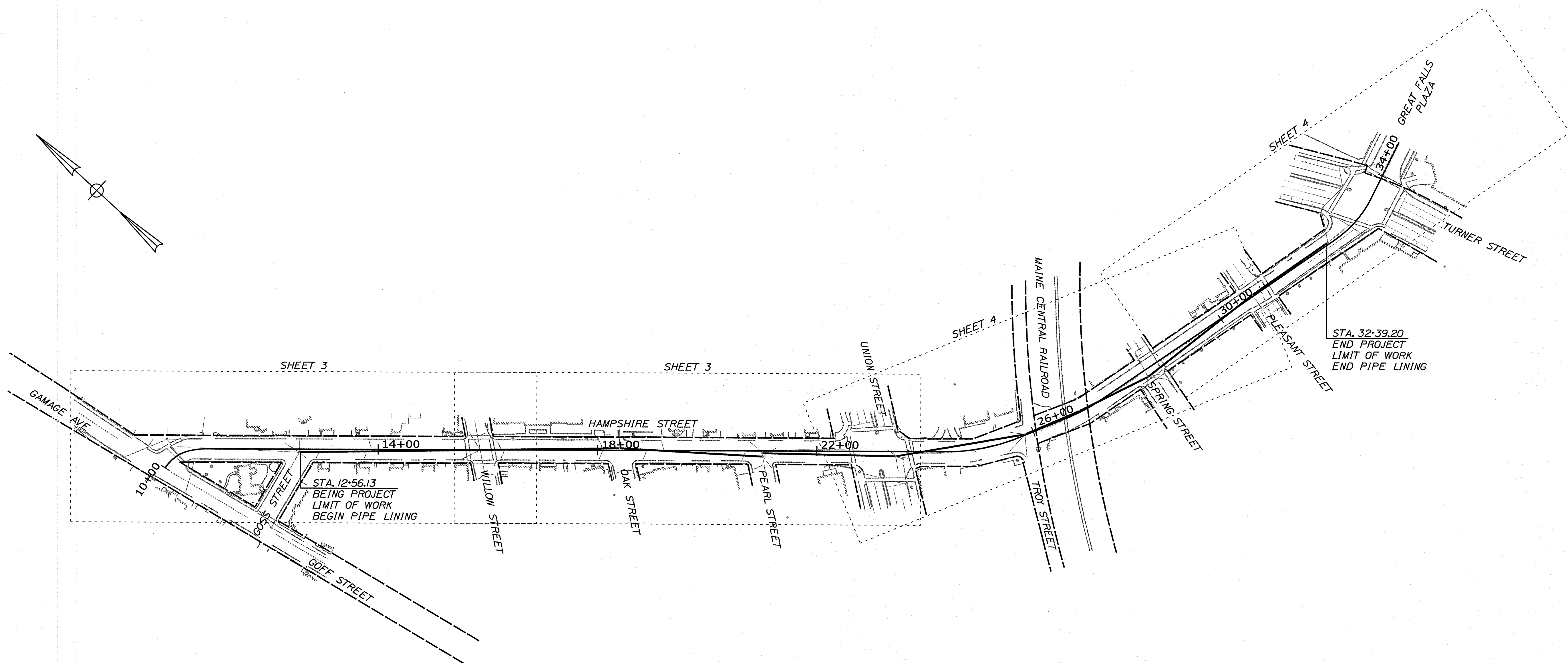


Signature: [Signature]
 P.E. NUMBER: 9244
 DATE: 2-15-17

PROJECT INFORMATION	
CITY DEPARTMENT	PUBLIC SERVICES
PROJECT MANAGER	ANTHONY BEAULIEU
DESIGNER	DONALD G. ETTINGER
CONSULTANT	GORRILL PALMER
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

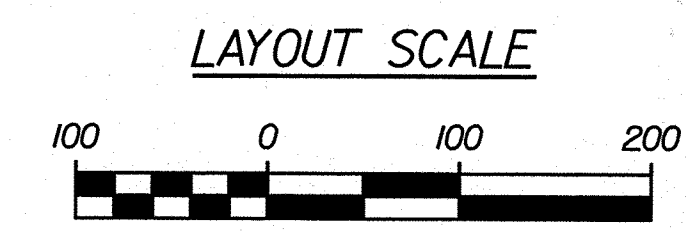
AUBURN
HAMPSHIRE STREET
PIPE LINING
TITLE SHEET

SHEET NUMBER
1
 OF 4



NOTE:
 ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL BE GOVERNED BY AND BE IN CONFORMITY WITH THE MAINE DOT STANDARD SPECIFICATIONS (NOVEMBER 2014 EDITION), AND THE MAINE DOT STANDARD DETAILS (NOVEMBER 2014), EXCEPT AS MODIFIED BY THE PLANS OR SPECIAL PROVISIONS AND ANY AND ALL CORRECTIONS, REVISIONS, OR ADDITIONS ISSUED BY MAINE DOT.

NOTE:
 * MAINTENANCE OF TRAFFIC PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
 * CONTRACTOR SHALL USE THE B.M.P. (BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL LATEST EDITION) AS A MINIMUM STANDARD.



Filename: ... \00 Highway \0001_A\Title.dgn
 Division: HIGHWAY
 Username: jared.winchenbach
 Date: 2/14/2017

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THIS PROJECT WITH THE HAMPSHIRE STREET RECONSTRUCTION PROJECT. PIPE LINING SHALL BE COMPLETED AFTER ALL DRAINAGE WORK HAS BEEN COMPLETED AND BEFORE ANY PAVEMENT IS PLACED ALONG THE CORRIDOR. COORDINATE WORK WITH INSPECTOR AND CITY OF AUBURN.
2. PLANS FOR THE HAMPSHIRE STREET RECONSTRUCTION PROJECT ARE AVAILABLE UPON REQUEST.
3. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.
4. ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL BE GOVERNED BY AND BE IN CONFORMITY WITH THE MAINEDOT STANDARD SPECIFICATIONS (REVISION OF NOVEMBER 2014), AND THE STANDARD DETAILS (REVISION OF NOVEMBER 2014) EXCEPT PROVISIONS AND ANY AND ALL CORRECTIONS, REVISIONS OR ADDITIONS ISSUED BY MAINEDOT.
5. ANY DAMAGE TO EXISTING LAWNS AND DRIVEWAYS CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE INSPECTOR. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
6. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO COMMENCING OPERATIONS.
7. THE CITY OF AUBURN SHALL HAVE THE RIGHT AND AUTHORITY TO DETERMINE THE ACCEPTABILITY OF WORK AND MATERIALS IN PROGRESS OR COMPLETED. THE CITY OF AUBURN AND THE INSPECTOR SHALL HAVE THE RIGHT TO REJECT ANY WORK OR MATERIALS WHICH DO NOT CONFORM, IN ITS SOLE OPINION, TO THE PLANS.
8. DRIVEWAY ACCESS SHALL BE MAINTAINED AT ALL TIMES.
9. THE CONTRACTOR SHALL SUBMIT A PLAN TO CONTROL TRAFFIC DURING CONSTRUCTION TO THE CITY OF AUBURN FOR APPROVAL, CONFORMING TO THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", MOST CURRENT EDITION. THE PLAN SHALL BE SPECIFIC TO THE PROJECT CONDITIONS.
10. THE CONTRACTOR SHALL PROVIDE THE CITY OF AUBURN AND THE INSPECTOR WITH A SCHEDULE OF WORK FOR CONSTRUCTING THE IMPROVEMENTS AND AN EMERGENCY CONTACT LIST.
11. CONSTRUCTION SHALL NOT COMMENCE UNTIL AUTHORIZED BY THE CITY OF AUBURN.
12. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE INSPECTOR.
13. THE CONTRACTOR SHALL COMPLETE THE WORK WITHIN THE RIGHT-OF-WAY, AND WILL BE RESPONSIBLE IF THEY TRESPASS ON PRIVATE PROPERTY.
14. EXISTING CISTERN AT STATION 18+40 IS TO BE REMOVED UNDER THE HAMPSHIRE STREET RECONSTRUCTION PROJECT. NUMEROUS EXISTING CATCH BASINS AND DRAINAGE PIPES WILL ALSO BE REMOVED. PIPE LINING SHALL BE DONE AFTER DRAINAGE WORK IS COMPLETED AND THE CISTERN HAS BEEN REMOVED AND REPLACED WITH A CATCH BASIN. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK IN CONJUNCTION WITH HAMPSHIRE STREET RECONSTRUCTION PROJECT.
15. EXISTING PIPES NOTED TO BE LINED SHALL BE CLEANED AND VIDEO INSPECTED BEFORE CONSTRUCTION BEGINS.
16. PAYMENT FOR PIPE CLEANING SHALL BE INCIDENTAL TO ITEM 603.99 PIPE LINING - 24" STORM DRAIN.
17. DEBRIS REMOVED FROM THE PIPES SHALL BE MADE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF IN A LOCATION LICENSED TO ACCEPT SUCH MATERIALS.
18. REHABILITATION OF EXISTING TRUNKLINE SYSTEM SHALL BE DONE IN ACCORDANCE WITH THE PIPE LINING PROCEDURE AS OUTLINED IN THE SPECIAL PROVISIONS.
19. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL APPROPRIATE EROSION CONTROL MEASURES, IN ACCORDANCE WITH THE MAINEDOT BEST MANAGEMENT PRACTICES (BMP'S).
20. DMH 294 IS LOCATED AT THE UNION STREET INTERSECTION. TRAFFIC CONTROL AT THIS SIGNALIZED INTERSECTION WILL REQUIRE POLICE OFFICERS. SEE SPECIAL PROVISIONS AND COORDINATE WORK WITH CITY.
21. WORK AT DMH 442 WILL REQUIRE COORDINATION WITH CITY AND PAN AM RAILWAYS DUE TO ITS PROXIMITY TO THE RAILROAD TRACKS.
22. STATIONS REFERENCED ARE APPROXIMATE.

23. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR THE ELEVATION OF THE EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS WORK AND SCHEDULE AND THE UTILITY RELOCATION WORK WITH THE PROPER UTILITY COMPANY. UTILITY CONTACTS FOR THIS PROJECT ARE:

AT&T
ATTN: ALICE COUGHLAN
45 FOREST AVENUE
PORTLAND, ME 04101
(207)879-5050
acoughlan@att.com

OTT COMMUNICATIONS
ATTN: JIM TAPLIN
56 CAMPUS DRIVE
NEW GLOUCESTER, ME 04260
(207)688-8824
jim.taplin@ottcommunications.com

AUBURN WATER & SEWERAGE DISTRICT
ATTN: SID HAZELTON
P.O. BOX 414
AUBURN, ME 04212-0414
(207)784-6469
shazelton@awsd.org

OXFORD NETWORKS
ATTN: MICHAEL ELLINGWOOD
491 LISBON STREET
LEWISTON, ME 04240
(207)333-3471
mellingwood@oxfordnetworks.com

BUCKEYE PARTNERS
ATTN: STEVEN WING
(207)741-2404
swing@buckeye.com

REVOLUTION NETWORKS (NECAP)
ATTN: MICHAEL ELLINGWOOD
491 LISBON STREET
LEWISTON, ME 04240
(207)333-3471
mellingwood@oxfordnetworks.com

BROOKFIELD RENEWABLE ENERGY PARTNERS, L.P.
ATTN: JOEL RANCOURT
28 WESTON STREET
SKOWHEGAN, ME 04976
joel.rancourt@brookfieldrenewable.com

TIME WARNER CABLE
ATTN: PAUL OUELLETTE
37 ALFRED PLOURDE PARKWAY
LEWISTON, ME 04240
(207) 783-9902
paul.ouellette@twcable.com

CITY OF AUBURN
ATTN: DENIS D'AUDEUIL
60 COURT STREET
AUBURN, ME 04210
(207)333-6601
ddaudeuil@auburnmaine.gov

UNITIL CORP.
ATTN: JOE RENDA
376 RIVERSIDE INDUSTRIAL PARKWAY
PORTLAND, ME 04103
(207)541-2568
rendaj@unitil.com

CENTRAL MAINE POWER COMPANY
ATTN: SKIP MCKAY
57 OLD WINTHROP ROAD
AUGUSTA, ME 04330
(207)626-9445
maurice.mckay@cmpco.com

FAIRPOINT COMMUNICATIONS
ATTN: JIM MCLEAN
5 DAVIS FARM ROAD
PORTLAND, ME 04103
(207)797-1745
mdot_requests@fairpoint.com

MAINE CENTRAL RAILROAD COMPANY (PAN AM)
ATTN: TED KRUG
1700 IRON HORSE PARK
NORTH BILLERICA, MA 01862-1681
(978)663-1108
tkrug@panam.com

CITY OF AUBURN
60 COURT STREET
AUBURN, MAINE 04210

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN DETAILED	JSW	02/17			
CHECKED/REVIEWED	DGE	02/17			
DESIGN DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

AUBURN
HAMPSHIRE STREET
PIPE LINING
GENERAL NOTES

SHEET NUMBER

2

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Relationships. Responsiveness. Results.
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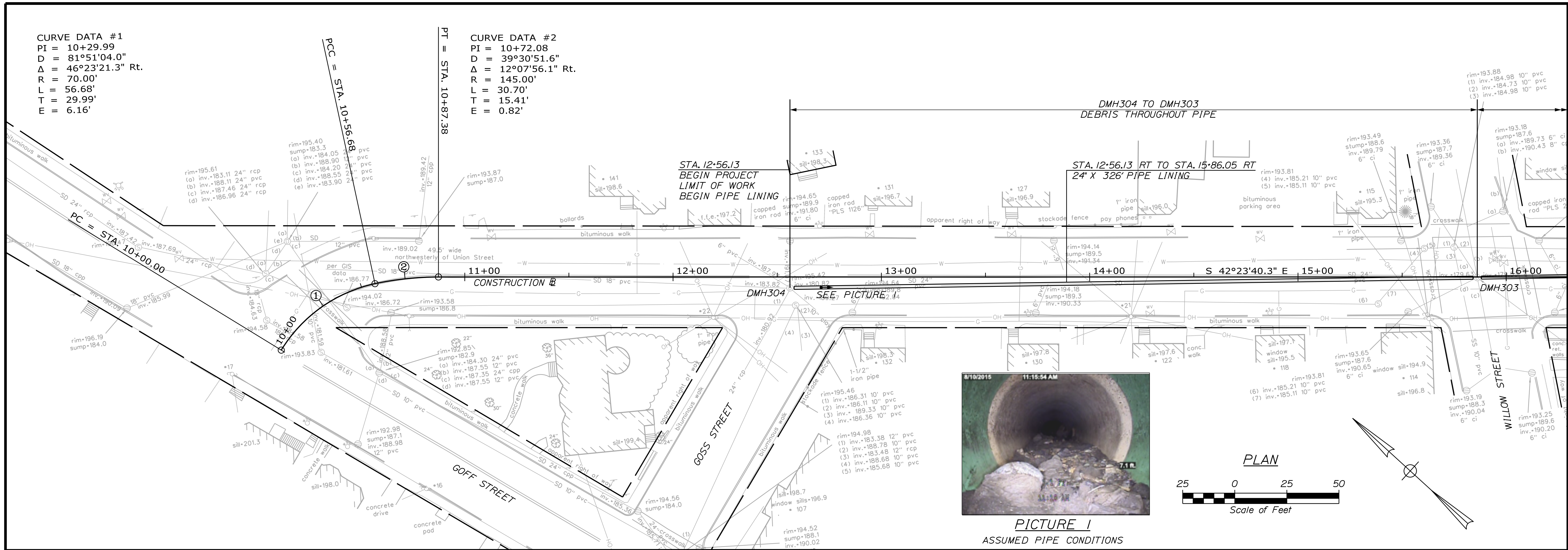
Username: jared.winchenbach Date: 2/14/2017

Division: HIGHWAY

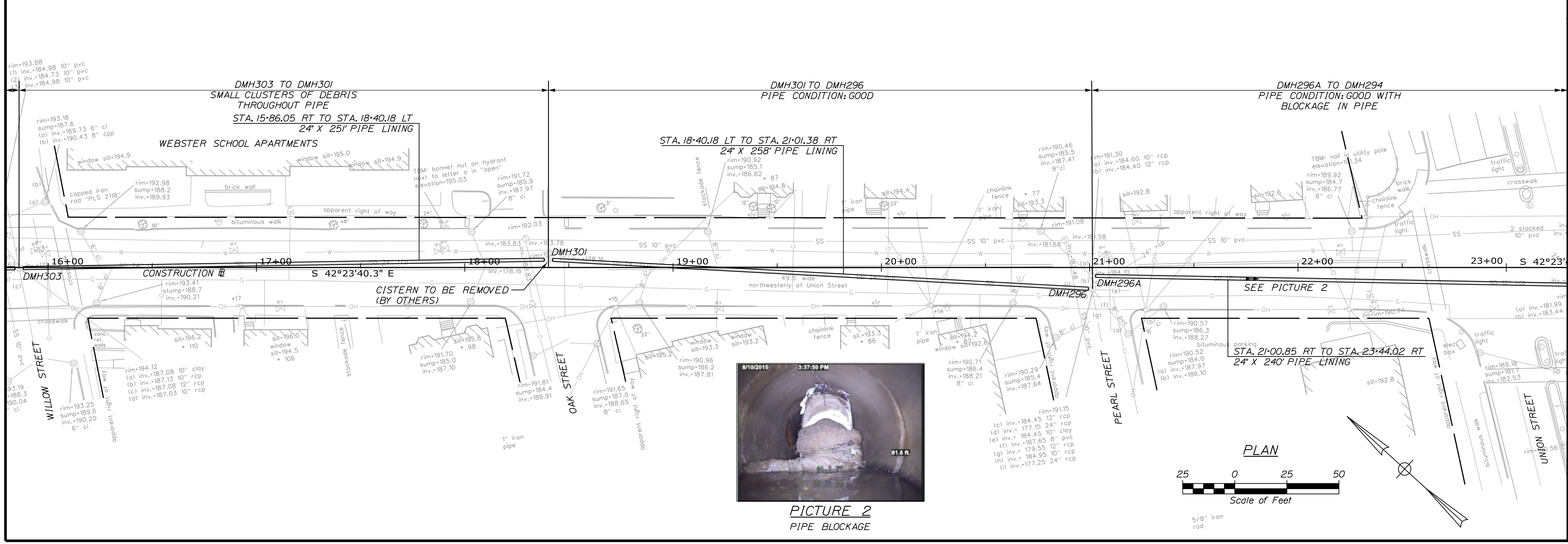
Filename: ... \0001_PipeLiningPlans.dgn

CURVE DATA #1
 PI = 10+29.99
 D = 81°51'04.0"
 Δ = 46°23'21.3" Rt.
 R = 70.00'
 L = 56.68'
 T = 29.99'
 E = 6.16'

CURVE DATA #2
 PI = 10+72.08
 D = 39°30'51.6"
 Δ = 12°07'56.1" Rt.
 R = 145.00'
 L = 30.70'
 T = 15.41'
 E = 0.82'



PICTURE 1
ASSUMED PIPE CONDITIONS



PICTURE 2
PIPE BLOCKAGE

CITY OF AUBURN
60 COURT STREET
AUBURN, MAINE 04210

PROJ. MANAGER	DATE	BY	DATE	DESCRIPTION
JSW	02/17	JSW	02/17	DESIGN DETAILED
				CHECKED-REVIEWED DGE
				DESIGN DET ALOD
				DESIGN DET ALOD
				REVISIONS 1
				REVISIONS 2
				REVISIONS 3
				REVISIONS 4
				FIELD CHANGES

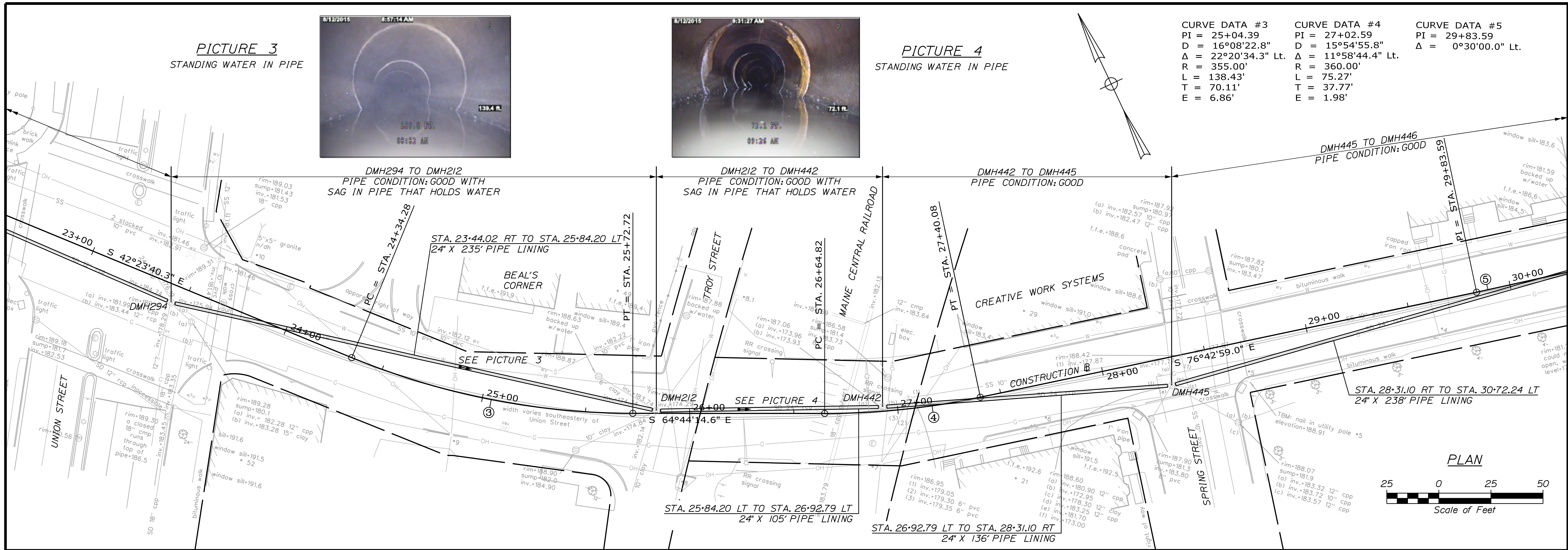
AUBURN
HAMPSHIRE STREET
PIPE LINING
GENERAL PLANS

SHEET NUMBER
3
 OF 4

Username: jared.winchenbach Date: 2/14/2017

Division: HIGHWAY

Filename: ... \0001_PipeLiningPlans2.dgn



CURVE DATA #3	CURVE DATA #4	CURVE DATA #5
PI = 25+04.39	PI = 27+02.59	PI = 29+83.59
D = 16°08'22.8"	D = 15°54'55.8"	Δ = 0°30'00.0" Lt.
Δ = 22°20'34.3" Lt.	Δ = 11°58'44.4" Lt.	
R = 355.00'	R = 360.00'	
L = 138.43'	L = 75.27'	
T = 70.11'	T = 37.77'	
E = 6.86'	E = 1.98'	

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AUBURN, MAINE 04210

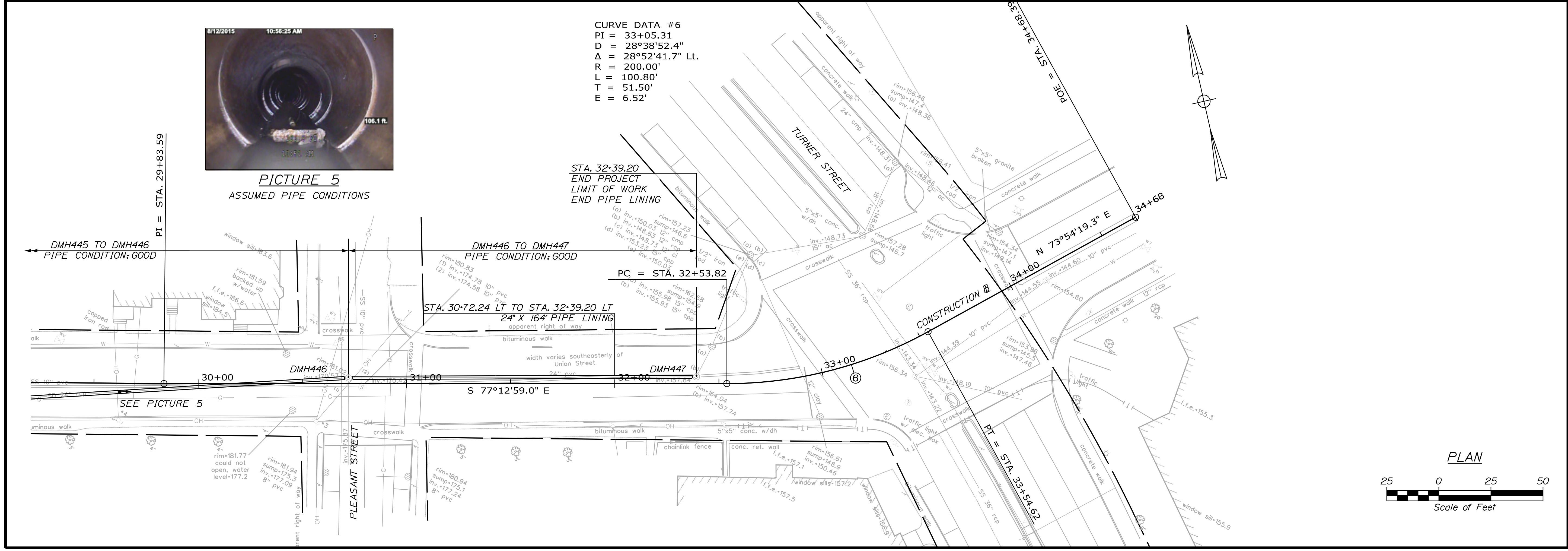
PROJ. MANAGER	DATE	BY	DATE
DESIGN-DETAILED	02/17	JSW	
CHECKED-REVIEWED	02/17	DGE	
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUBURN
HAMPSHIRE STREET
PIPE LINING
GENERAL PLANS

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CURVE DATA #6
PI = 33+05.31
D = 28°38'52.4"
Δ = 28°52'41.7" Lt.
R = 200.00'
L = 100.80'
T = 51.50'
E = 6.52'

SHEET NUMBER

4

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