

# CITY OF WEST LINN

BLAND-ROSEMONT

## WATER TRANSMISSION MAIN PW-14-05

PREPARED FOR  
THE CITY OF WEST LINN

### CONSTRUCTION DOCUMENTS

#### PROJECT TEAM

##### OWNER/APPLICANT

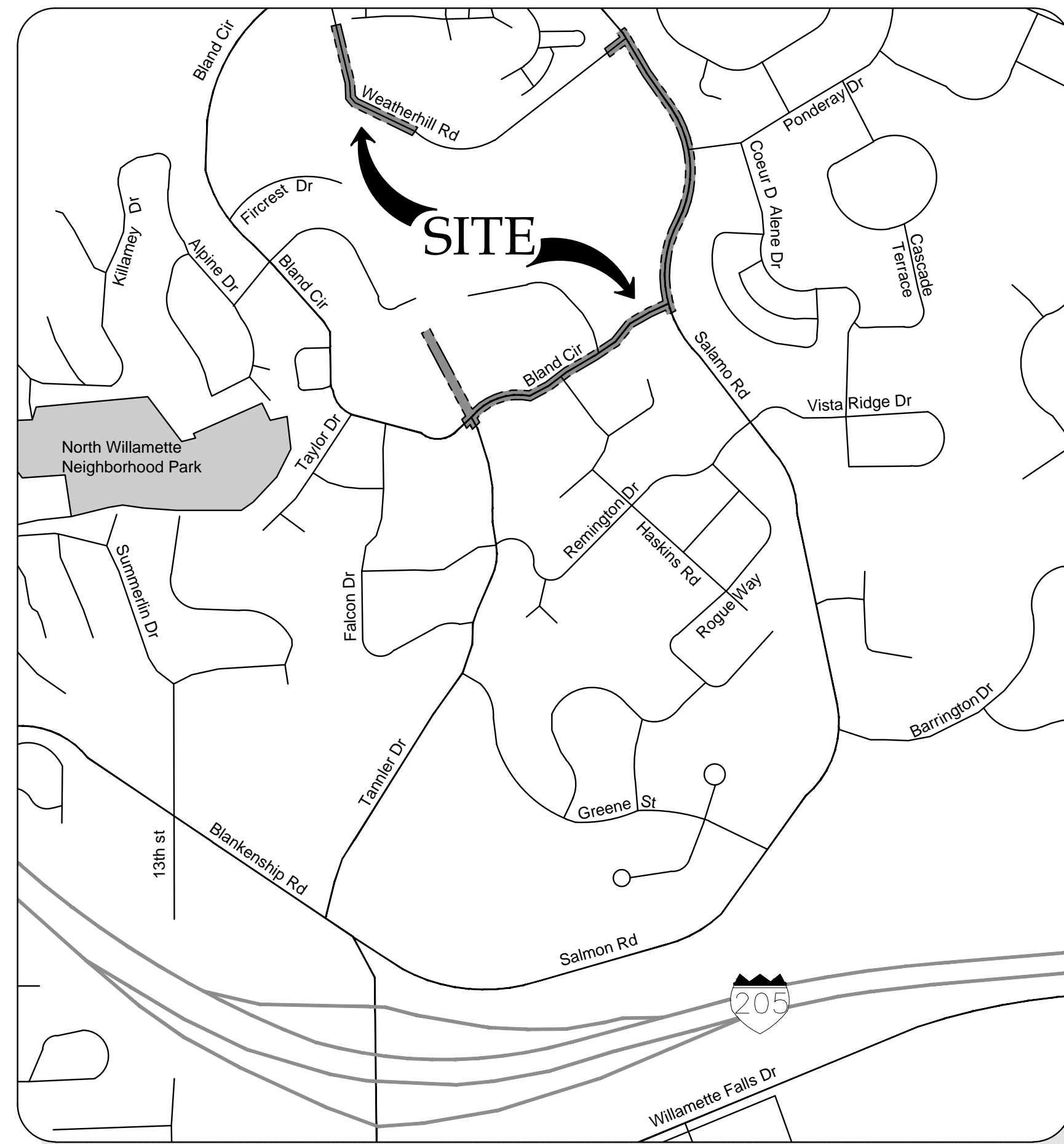
CITY OF WEST LINN  
22500 SALAMO ROAD  
WEST LINN, OR 97068  
CONTACT: ERICH LAIS  
elaie@westlinnoregon.gov

##### CIVIL ENGINEER

3J CONSULTING, INC.  
5075 SW GRIFFITH DRIVE, SUITE 150  
BEAVERTON, OR 97005  
CONTACT: BRIAN FEENEY  
PHONE: (503) 946-9365  
brian.feeneey@3j-consulting.com

##### LAND SURVEYOR

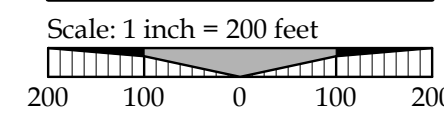
BARKER SURVEYING  
3657 KASHMIR WAY SE  
SALEM, OR 97317  
CONTACT: GREGORY L. WILSON  
PHONE: 503-588-8800  
info@barkerwilson.com



VICINITY MAP  
NOT TO SCALE



SITE MAP



LOCATED IN THE  
NW 1/4 NE 1/4 OF SECTION 35, T.2S., R.1E., W.M.  
SE 1/4 OF SECTION 26, T.2S., R.1E., W.M.  
CITY OF WEST LINN, CLACKAMAS COUNTY, OREGON

#### SITE INFORMATION

##### SITE ADDRESS

BLAND CIRCLE, SALAMO ROAD, WEATHERHILL ROAD  
WEST LINN, OR 97068

##### JURISDICTION

CITY OF WEST LINN

#### UTILITIES & SERVICES

##### WATER, STORM, SEWER

CITY OF WEST LINN  
CONTACT: KHOI LE  
PHONE: (503) 722-5517

##### POWER

PGE  
CONTACT: MIKE HIEB  
PHONE: (503) 570-4412

##### GAS

NORTHWEST NATURAL  
CONTACT: LANCE CHEELEY  
PHONE: (503) 220-2357

##### CABLE

COMCAST  
CONTACT: KENNETH WILLS  
EMAIL: kenneth\_wills@cable.comcast.com

##### FIRE

TUALATIN VALLEY FIRE & RESCUE  
CONTACT: TY DARBY  
PHONE: (503) 259-1409

##### CABLE

CENTURYLINK  
CONTACT: KENNETH SCIULLI  
PHONE: (503) 242-0304

##### POLICE, SCHOOLS, ROADS, PARKS

CITY OF WEST LINN

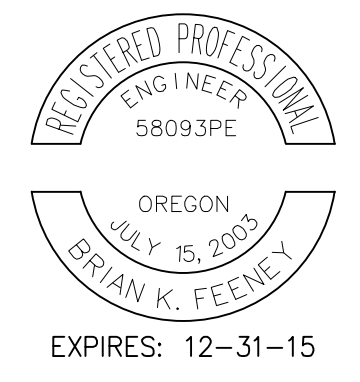
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CONSTRUCTION DOCUMENTS 06/12/14

COVER SHEET  
CITY OF WEST LINN  
WATER TRANSMISSION MAIN  
WEST LINN, OR



3J JOB ID # | 14192  
LAND USE # |  
TAX LOT #S |  
DESIGNED BY | EIM  
CHECKED BY | BKF

SHEET TITLE  
COVER SHEET

SHEET NUMBER  
C000

**GENERAL NOTES**

1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DRAWINGS. THE ODOT STANDARD SPECIFICATIONS FOR CONSTRUCTION WILL APPLY FOR MEASUREMENT AND PAYMENT.
2. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH CITY OF WEST LINN REQUIREMENTS PRIOR TO ISSUANCE FOR CONSTRUCTION. HOWEVER SUCH A REVIEW SHALL NOT PREVENT THE CITY ENGINEER FROM REQUIRING CORRECTION OF ERRORS OR OMISSIONS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
3. THE CITY ENGINEER DOES NOT WARRANT ANY QUANTITIES SHOWN ON THESE PLANS.
4. THE ENGINEERING DIVISION, INSPECTION SECTION SHALL BE NOTIFIED TWENTY-FOUR (24) HOURS PRIOR TO ANY CONSTRUCTION WORK BY TELEPHONE AT 503-722-5501. ANY WORK CONCEALED WITHOUT INSPECTION SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
5. ANY APPROVED SET OF PLANS MUST BE AVAILABLE ON THE JOB SITE AT ALL TIMES. THE CITY CONTRACTOR'S REPRESENTATIVE (CAPABLE OF COMMUNICATION WITH THE CITY'S REPRESENTATIVES) SHALL BE ON THE JOB AT ALL TIMES THE WORK IS BEING PURSUED.
6. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE EMERGENCY TELEPHONE NUMBERS TO CITY OF WEST LINN AT TIME OF RECEIVING PROJECT NOTICE TO PROCEED AND HAVE PERSONNEL AVAILABLE 24-HOURS A DAY TO RESPOND TO EMERGENCIES. IF THE CITY IS REQUIRED TO RESPOND AND MAKE EMERGENCY REPAIRS ON BEHALF OF THE CONTRACTOR, THE CONTRACTOR IS RESPONSIBLE TO REIMBURSE THE CITY FOR ALL COSTS INCURRED.
7. IT IS UNDERSTOOD THAT THERE WILL BE INTERFERING UTILIZES, SERVICE LATERALS, AND OTHER UNDERGROUND PIPES, DRAINS OR STRUCTURES ENCOUNTERED ON UNDERGROUND PROJECTS THAT ARE NOT SHOWN OR ARE SHOWN INCORRECTLY ON THE PLANS AND/OR HAVE NOT BEEN PREVIOUSLY DISCOVERED IN THE FIELD. CONTRACTOR AGREES THIS IS A NORMAL AND USUAL OCCURRENCE IN THE CONSTRUCTION OF UNDERGROUND IMPROVEMENTS. FURTHERMORE, BIDDERS UNDERSTAND AND AGREE THAT WORK IN THE SOME CASES MUST BE DONE IN CLOSE PROXIMITY TO SAID UTILITIES AND UNDERGROUND PIPES, DRAINS, AND STRUCTURES WHICH MAY REQUIRE A CHANGE IN OPERATIONS AND MAY CAUSE SLOUGHING OF THE TRENCH, ADDITIONAL TRAFFIC CONTROL, ADDITIONAL PAVEMENT AND BACKFILL COSTS, AND TIME. THE CONTRACTOR AGREES THAT A REASONABLE NUMBER OF THESE OCCURRENCES ARE USUAL AND ORDINARY ON THE UNDERGROUND PROJECTS AND ARE REFLECTED IN THE BID AND PLAN OF OPERATION.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY AND ALL OTHER PERMITS AND MEET ANY REQUIREMENTS SET FORTH BY OTHER AGENCIES OR UTILITIES WHICH HAVE JURISDICTION AT THE CONTRACTORS EXPENSE.

**TRAFFIC CONTROL NOTES**

1. NO ROAD CLOSURE SHALL BE ALLOWED WITHOUT CITY ENGINEER'S PRIOR APPROVAL AS DELEGATED BY THE CITY MANAGER.
2. THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN FOR CITY APPROVAL.
3. TRAFFIC CONTROL SHALL CONFORM TO THE ODOT TEMPORARY TRAFFIC CONTROL HANDBOOK AND MUTCD. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF WEST LINN ENGINEERING DIVISION FOR REVIEW AND ACCEPTANCE A MINIMUM OF 48-HOURS PRIOR TO CONSTRUCTION.
4. MAINTAIN VEHICULAR, BICYCLE, PEDESTRIAN AND EMERGENCY VEHICLE ACCESS TO AREA HOME THROUGHOUT CONSTRUCTION.

**WATER NOTES**

1. WATER AND SANITARY SEWER LINE CROSSINGS SHALL CONFORM WITH THE OREGON ADMINISTRATIVE REGULATION 333-061-0050(9).
2. WHEN A WATER MAIN IS INSTALLED UNDER A STREAM OR OTHER WATERCOURSE, A MINIMUM COVER OF 30 INCHES SHALL BE PROVIDED OVER THE PIPE. WHERE THE WATERCOURSE IS MORE THAN 15 FEET WIDE, THE PIPE SHALL BE OF SPECIAL CONSTRUCTION WITH FLEXIBLE WATERTIGHT JOINTS, VALVES SHALL BE PROVIDED ON BOTH SIDES OF THE CROSSING SO THAT THE SECTION CAN BE ISOLATED FOR TESTING OR REPAIR, AND TEST COCKS SHALL BE PROVIDED AT THE VALVES.
3. PIPE BEDDING AND TRENCH BACKFILL ARE INCIDENTAL TO PIPE.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE WATER AND SEWER TESTING WITH THE CITY INSPECTOR, PER WEST LINN STANDARDS.
5. ALL WATER PIPE SHALL BE CLASS 52 DUCTILE IRON PIPE. PHYSICAL PROPERTIES SHALL NOT BE LESS THAN 60-42-10 IRON AND PIPE SHALL CONFORM TO THE LATEST REVISION OF ANSI/AWWA SPECIFICATION C151/A21.51.

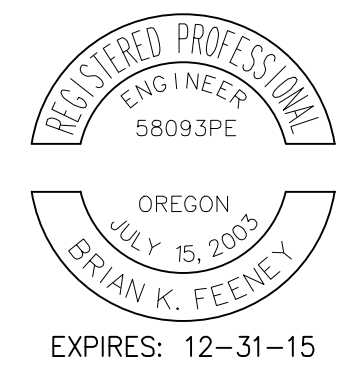
**CONSTRUCTION NOTES**

1. CONTRACTOR SHALL PROVIDE EROSION CONTROL BEST MANAGEMENT PRACTICES PER CITY OF WEST LINN STANDARDS. PROVIDE CATCH BASIN PROTECTION AND CONTINUAL SWEEPING SO THAT NO MUD, SEDIMENT, OR ROCK IS LEFT IN THE STREETS, WITH NO ADDITIONAL COMPENSATION.
2. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION SURVEYING AND CONSTRUCTION STAKING FOR THE PROJECT.
3. WATER USED FOR CONSTRUCTION MUST BE FILLED AT THE DESIGNATED TANKER FILL SITE LOCATED NEXT TO 1970 8TH AVE IN FRONT OF SECOND DRIVEWAY ENTRANCE AT THE WILLAMETTE MARKET PLACE ON 8TH AVENUE - WEST OF 10TH STREET AND SOUTH OF I-205. NO HYDRANT METERS WILL BE PROVIDED, EXCEPT FOR WHEN TESTING THE WATER MAIN.
4. CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO RESIDENTIAL DRIVEWAYS WITH LIMITED DELAY.
5. NO CONSTRUCTION VEHICLE STORAGE IS ALLOWED ON TANNLER DRIVE.
6. PROPOSED SIDEWALK SHOULD NOT EXCEED A FINAL CONSTRUCTED SLOPE OF 2:1 ALONG SALAMO ROAD.
7. CURRENT FENCE TO BE DEMOLISHED SHOULD BE REPLACED IN KIND.
8. WATERLINE TO BE INSTALLED IN PHASES: PHASE 1: BLAND CIRCLE & SALAMO ROAD  
PHASE 2: WEATHERHILL ROAD
9. WORKING HOURS: 7:00 AM - 5:00 PM MONDAY-FRIDAY  
9:00 AM - 5:00 PM SATURDAY - SUNDAY & HOLIDAYS

CONSTRUCTION DOCUMENTS 06/12/14

REVISION SUMMARY BY DATE

GENERAL NOTES  
CITY OF WEST LINN  
WATER TRANSMISSION MAIN  
WEST LINN, OR



3J JOB ID # | 14192  
LAND USE # |  
TAX LOT #'S |  
DESIGNED BY | EIM  
CHECKED BY | BKF

SHEET TITLE  
GENERAL NOTES

SHEET NUMBER  
**C001**

C	SPEC REF	ITEM DESCRIPTION	UNIT	TANLER DRIVE	BLAND CIRCLE	SALAMO ROAD	WEATHERHILL ROAD	TOTAL
<b>2014 WATER TRANSMISSION MAIN - AC STREETS</b>								
1	00210	MOBILIZATION	LUMP SUM					1
2	00225	TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	LUMP SUM					1
3	00280	EROSION CONTROL	LUMP SUM					1
4	00310	REMOVAL OF CURBS	FOOT		47	5		52
5	00310	REMOVAL OF WALKS AND DRIVEWAYS	SQ. YD.			130		130
6	00495	TRENCH RESURFACING	SQ. YD.	104	362	429	264	1159
7	00745	HOT MIXED ASPHALT CONCRETE (HMAC)	TON	5	120			125
8	00759	CONCRETE WALKS	SQ. FT.			7600		7600
9	00759	CONCRETE DRIVEWAYS	SQ. FT.			1250		1250
10	00596	3.0' CAST IN PLACE RETAINING WALL	SQ. FT.			424		424
11	00860	LONGITUDINAL PAVEMENT MARKING - PAINT	FOOT		272			272
12	01050	REMOVING AND REBUILDING FENCE	FOOT			102		102
13	01050	6.0' TALL AEGIS-II MAJESTIC FENCE	FOOT			162		162

C	SPEC REF	ITEM DESCRIPTION	UNIT	TANLER ROAD	BLAND CIRCLE	SALAMO ROAD	WEATHERHILL ROAD	TOTAL
<b>2014 WATER TRANSMISSION MAIN - WATERLINE CONSTRUCTION</b>								
19	01140	12 INCH CONNECTION TO EXISTING 8 INCH MAIN	EACH			1		1
20	01140	8 INCH CONNECTION TO EXISTING 8 INCH MAIN	EACH				2	2
21	01140	6" DIP, FITTINGS & COUPLINGS WITH RESTRAINED JOINTS AND CLASS B BACKFILL	LF				25	25
22	01140	8" DIP, FITTINGS & COUPLINGS WITH RESTRAINED JOINTS AND AND CLASS B BACKFILL	LF				765	765
23	01140	12" DIP, FITTINGS & COUPLINGS WITH RESTRAINED JOINTS AND CLASS B BACKFILL	LF	311	1087	1286		2684
24	01150	12" BUTTERFLY VALVE, VB & C, FLG X MJ, PER DETAIL WL-11	EA	1	2	1		4
25	01150	8" GATE VALVE, VB & C, FLG X MJ, PER DETAIL WL-11	EA				7	7
26	01150	6" GATE VALVE, VB & C, FLG X MJ, PER DETAIL WL-11	EA				1	1
27	01150	INSTALL 4 INCH BLOW-OFF ASSEMBLY, PER DETAIL WL-404B	EA	1				1
28	01150	FIRE HYDRANT W/ VALVE, VB & C, FLG X MJ PER DETAIL WL-401	EA				1	1
29	01150	AIR RELEASE VALVE, PER DETAIL WL-405	EA		1			1

C	SPEC REF	ITEM DESCRIPTION	UNIT	TANLER ROAD	BLAND CIRCLE	SALAMO ROAD	WEATHERHILL ROAD	TOTAL
<b>2014 WATER TRANSMISSION MAIN - WATERLINE CONSTRUCTION</b>								
30	00305	CONSTRUCTION SURVEY WORK	LUMP SUM					1

**EXISTING CONDITIONS PLAN**

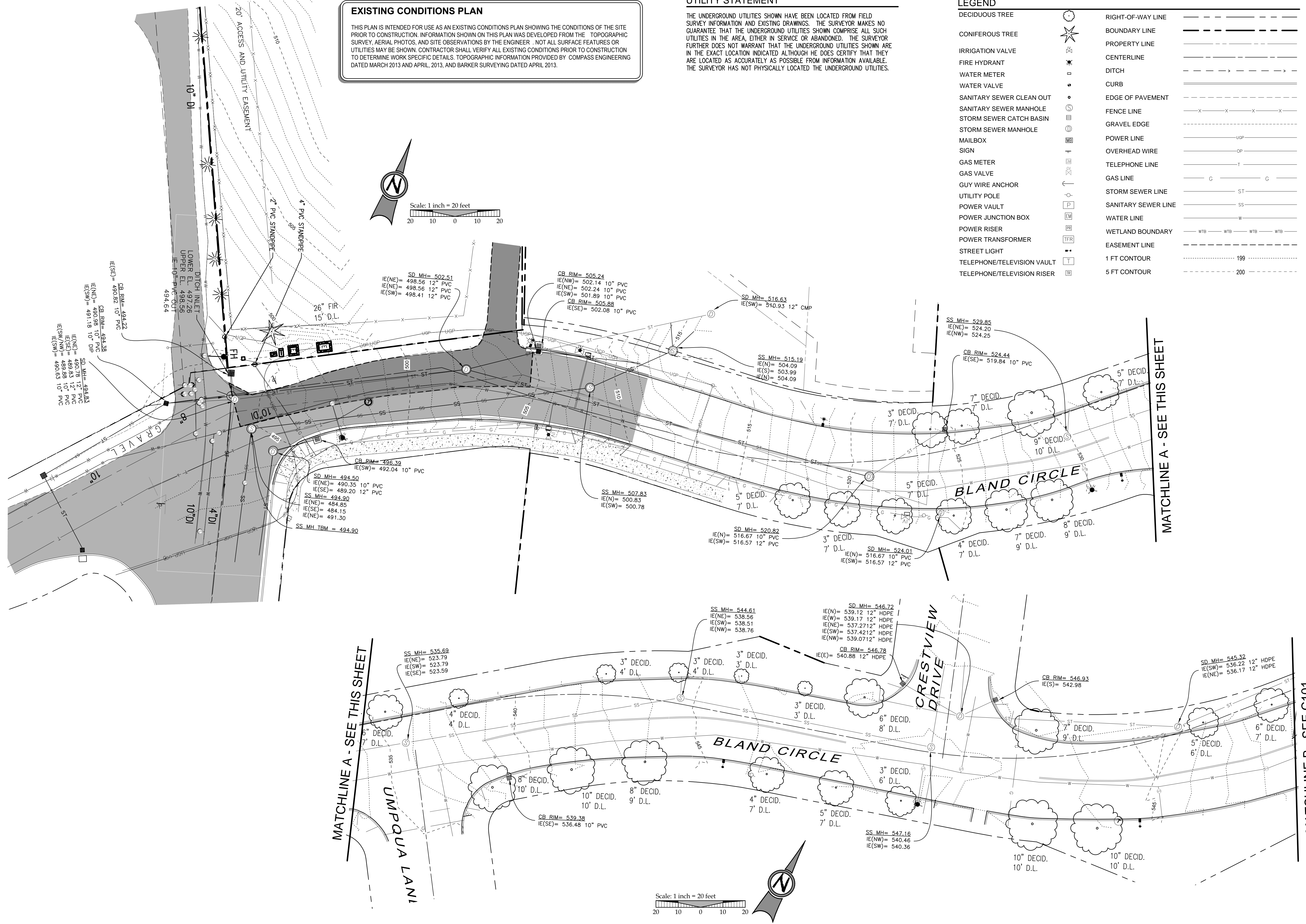
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**UTILITY STATEMENT**

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

**LEGEND**

DECIDUOUS TREE		RIGHT-OF-WAY LINE	
CONIFEROUS TREE		BOUNDARY LINE	
IRRIGATION VALVE		PROPERTY LINE	
FIRE HYDRANT		CENTERLINE	
WATER METER		DITCH	
WATER VALVE		CURB	
SANITARY SEWER CLEAN OUT		EDGE OF PAVEMENT	
SANITARY SEWER MANHOLE		FENCE LINE	
STORM SEWER CATCH BASIN		GRAVEL EDGE	
STORM SEWER MANHOLE		POWER LINE	
MAILBOX		OVERHEAD WIRE	
SIGN		TELEPHONE LINE	
GAS METER		GAS LINE	
GAS VALVE		STORM SEWER LINE	
GUY WIRE ANCHOR		SANITARY SEWER LINE	
UTILITY POLE		WATER LINE	
POWER VAULT		WETLAND BOUNDARY	
POWER JUNCTION BOX		EASEMENT LINE	
POWER RISER		1 FT CONTOUR	
POWER TRANSFORMER		5 FT CONTOUR	
STREET LIGHT			
TELEPHONE/TELEVISION VAULT			
TELEPHONE/TELEVISION RISER			



CONSTRUCTION DOCUMENTS 06/12/14  
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EXISTING CONDITIONS  
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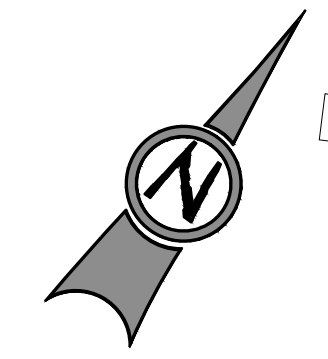
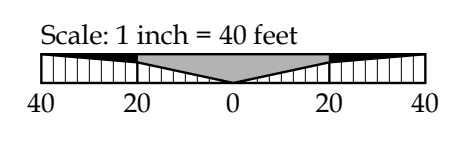
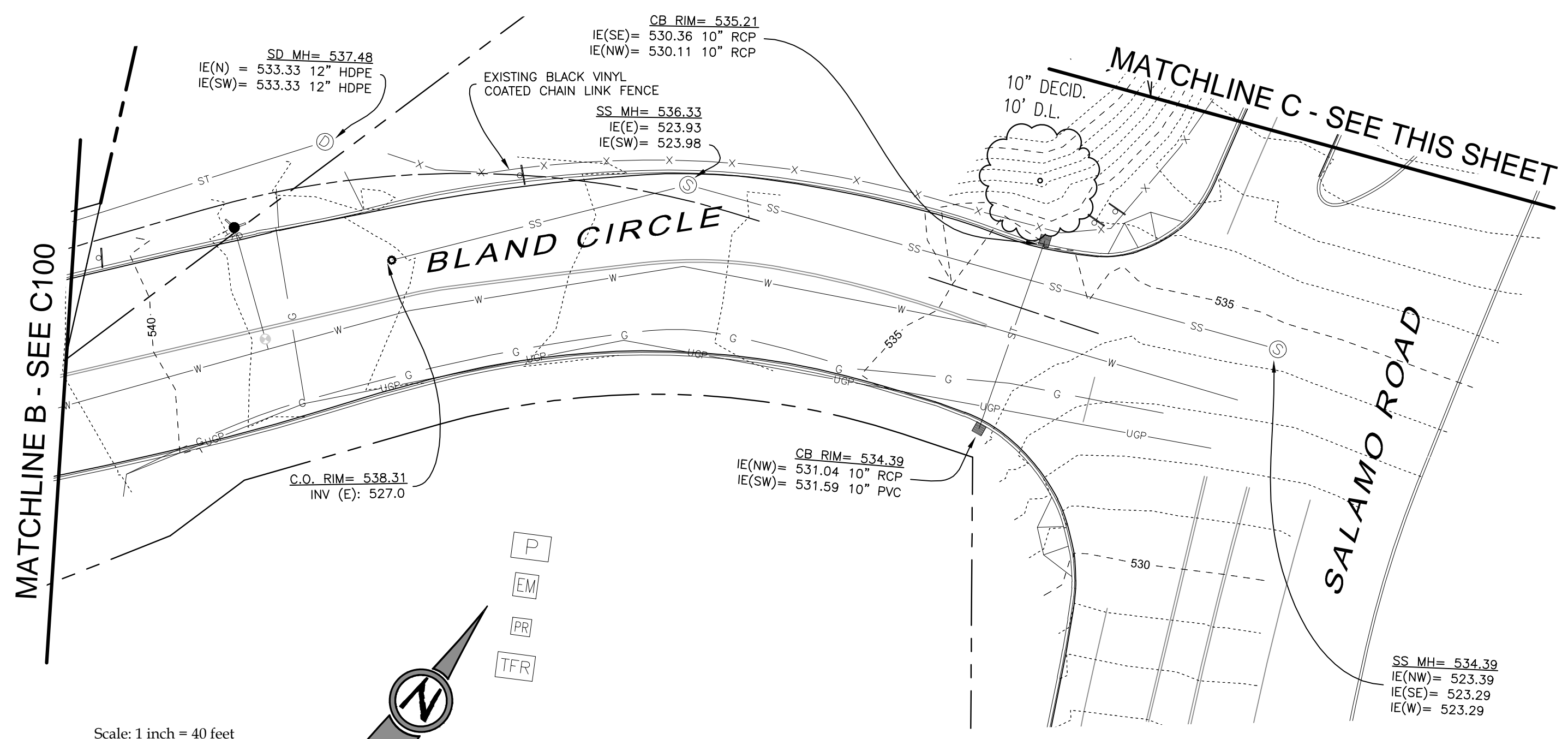
REGISTERED PROFESSIONAL  
 ENGINEER  
 58093PE  
 OREGON  
 JULY 15, 2003  
 BRIAN K. FEENEY  
 EXPIRES: 12 - 31 - 15

3J CONSULTING, INC  
 CIVIL ENGINEERING  
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 LAND USE PLANNING  
 5075 SW GRIFFITH DRIVE, SUITE 150, BEAVERTON, OR 97005  
 PHONE & FAX: (503) 946-5685

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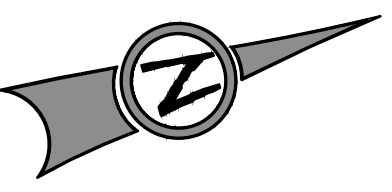
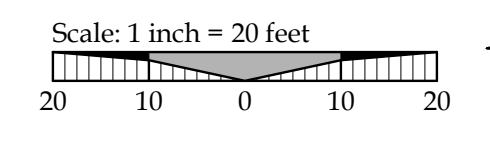
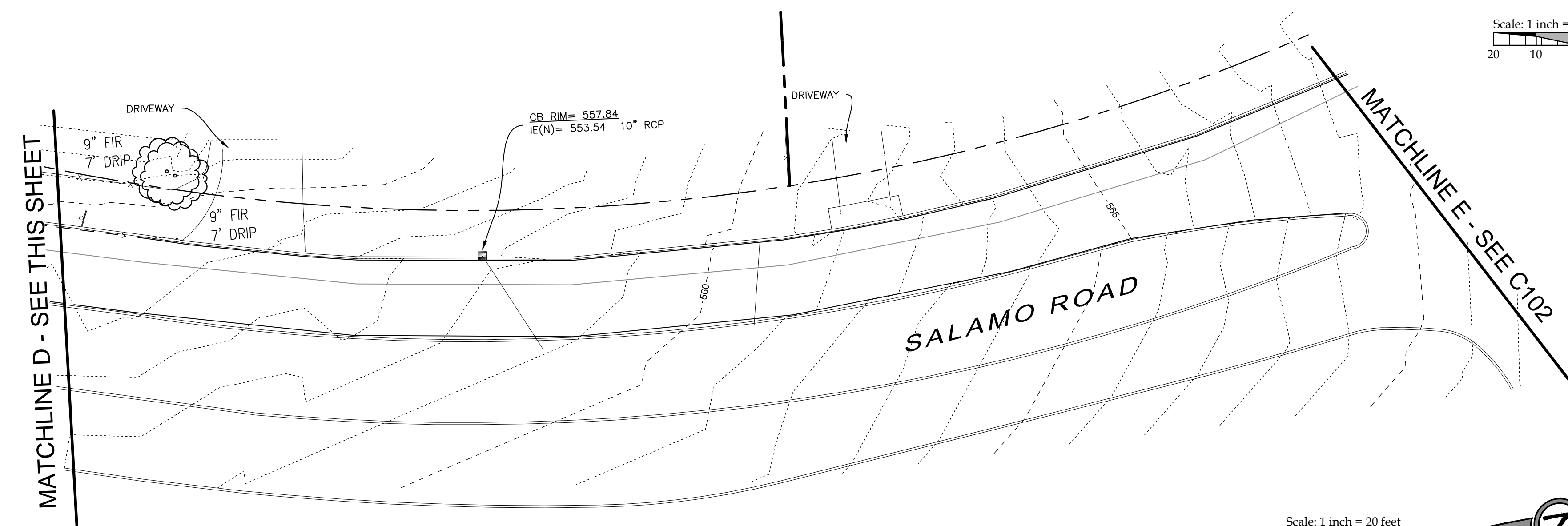
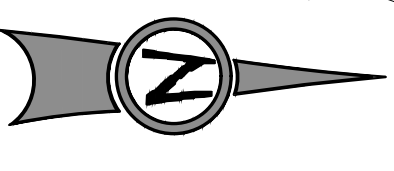
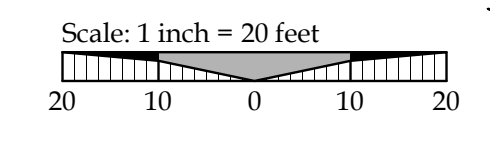
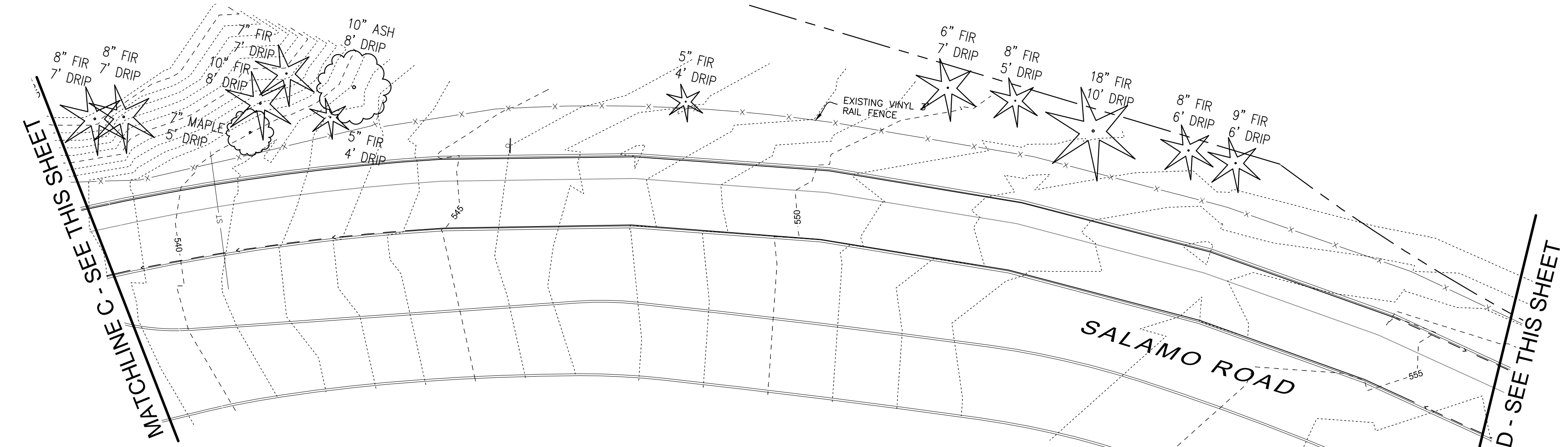
SHEET TITLE  
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 SHEET NUMBER

**C100**



- P
- EM
- PR
- TFR

LEGEND	
DECIDUOUS TREE	
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IRRIGATION VALVE	
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**UTILITY STATEMENT**

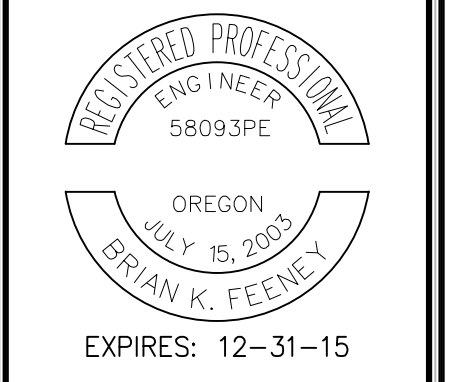
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**EXISTING CONDITIONS PLAN**

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06/12/14		
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**CITY OF WEST LINN**  
**WATER TRANSMISSION MAIN**  
 WEST LINN, OR



**3J CONSULTING, INC.**

**3J**

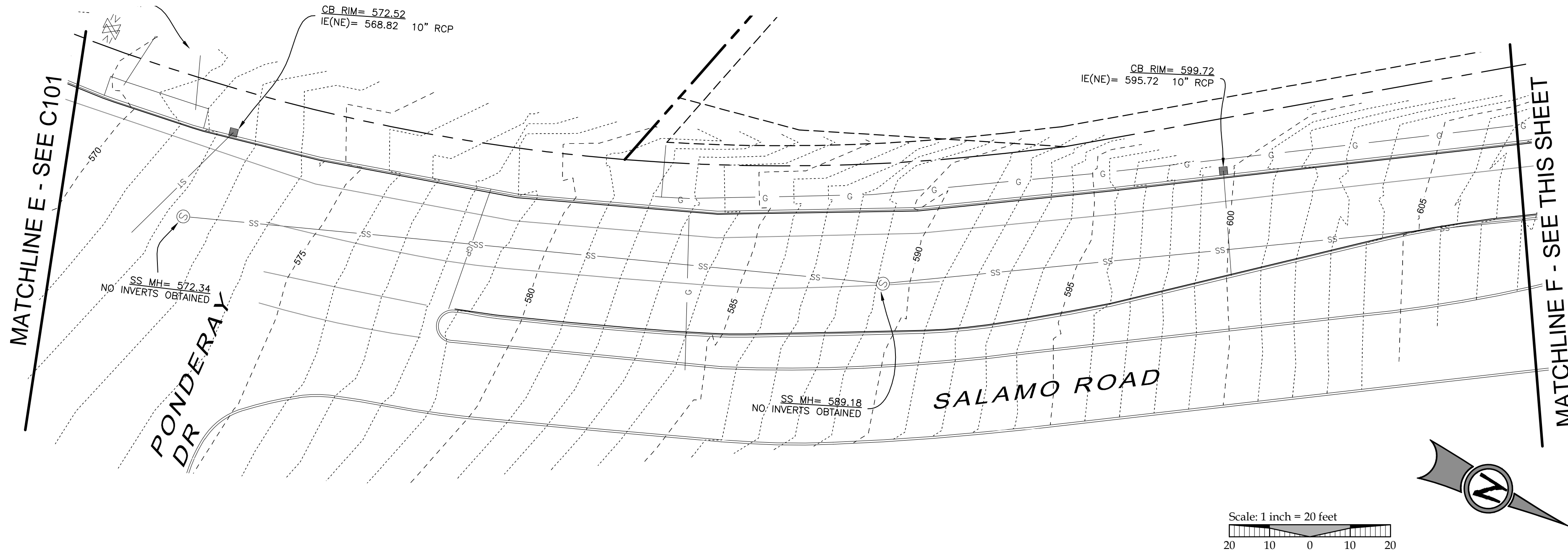
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 PHONE & FAX: (503) 946-6686

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SHEET TITLE  
**EXISTING COND.'S**  
 SHEET NUMBER

**C101**



**LEGEND**

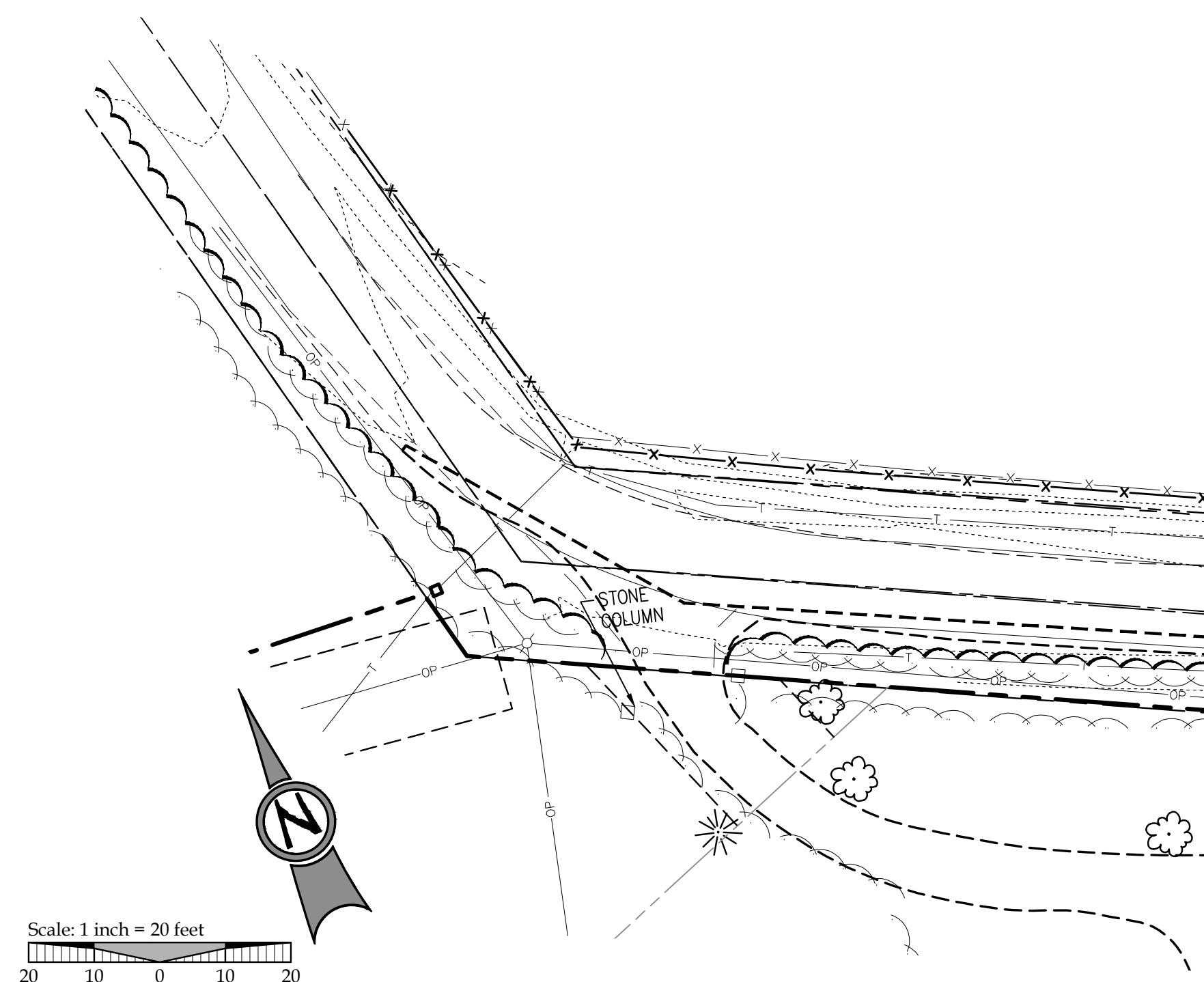
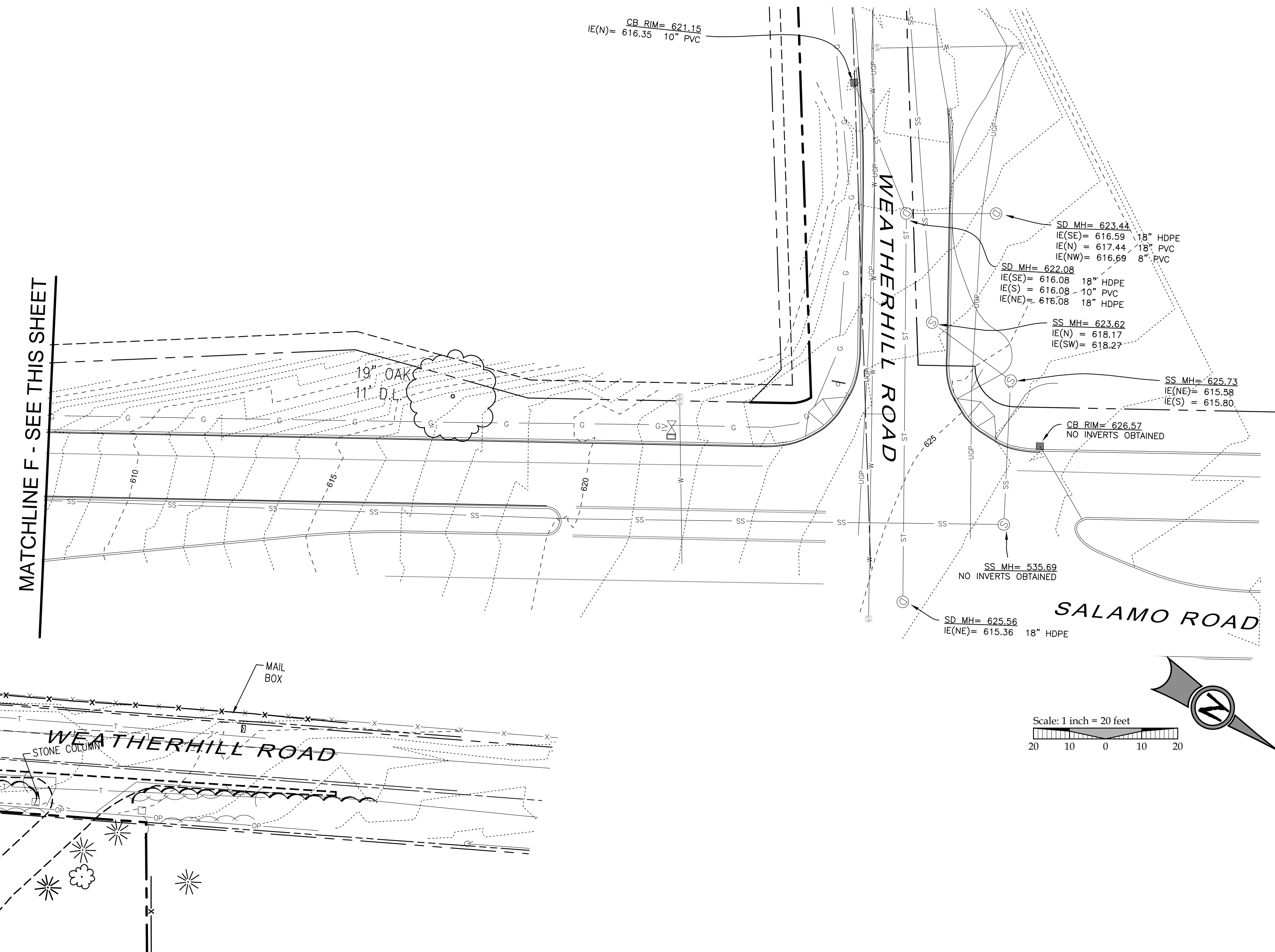
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THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

**EXISTING CONDITIONS PLAN**

THIS PLAN IS INTENDED FOR USE AS AN EXISTING CONDITIONS PLAN SHOWING THE CONDITIONS OF THE SITE PRIOR TO CONSTRUCTION. INFORMATION SHOWN ON THIS PLAN WAS DEVELOPED FROM THE TOPOGRAPHIC SURVEY, AERIAL PHOTOS, AND SITE OBSERVATIONS BY THE ENGINEER. NOT ALL SURFACE FEATURES OR UTILITIES MAY BE SHOWN. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION TO DETERMINE WORK SPECIFIC DETAILS. TOPOGRAPHIC INFORMATION PROVIDED BY COMPASS ENGINEERING DATED MARCH 2013 AND APRIL, 2013, AND BARKER SURVEYING DATED APRIL 2013.



CONSTRUCTION DOCUMENTS 06/12/14

REVISION SUMMARY

BY DATE

EXISTING CONDITIONS

CITY OF WEST LINN

WATER TRANSMISSION MAIN

WEST LINN, OR

West Linn

REGISTERED PROFESSIONAL ENGINEER 58093PE

OREGON JULY 19, 2003

BRIAN K. FEENEY

EXPIRES: 12-31-15

3J CONSULTING, INC

CIVIL ENGINEERING WATER RESOURCES LAND USE PLANNING

5075 SW GRIFFITH DRIVE, SUITE 100, BEAVERTON, OR 97005

PHONE & FAX: (503) 946-6385

3J JOB ID # | 14192

LAND USE # |

TAX LOT #S |

DESIGNED BY | EIM

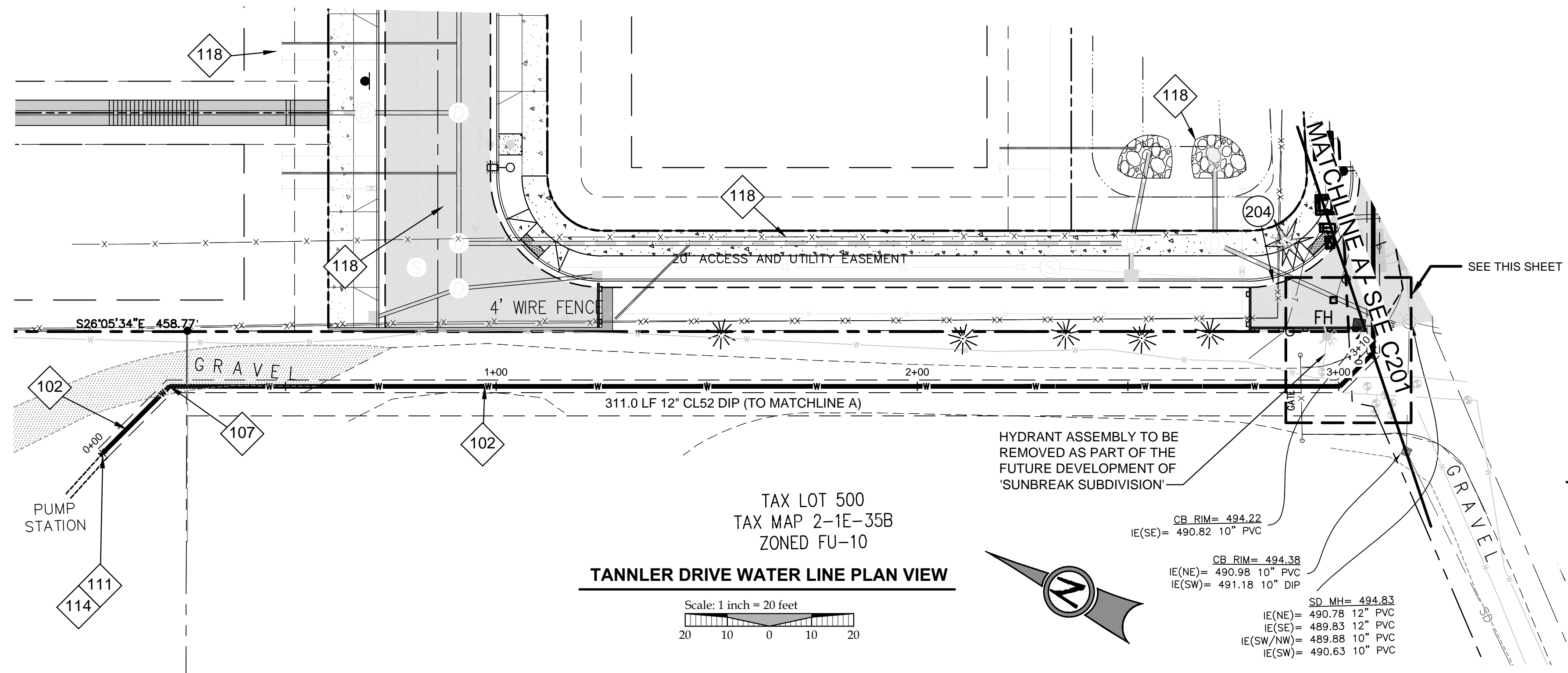
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SHEET TITLE

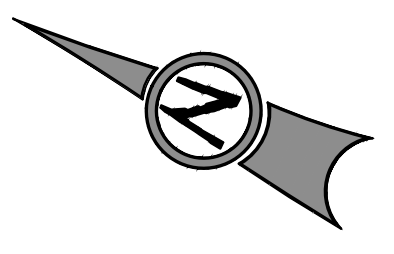
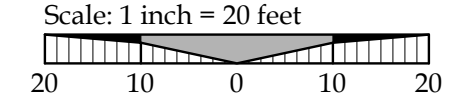
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SHEET NUMBER

**C102**



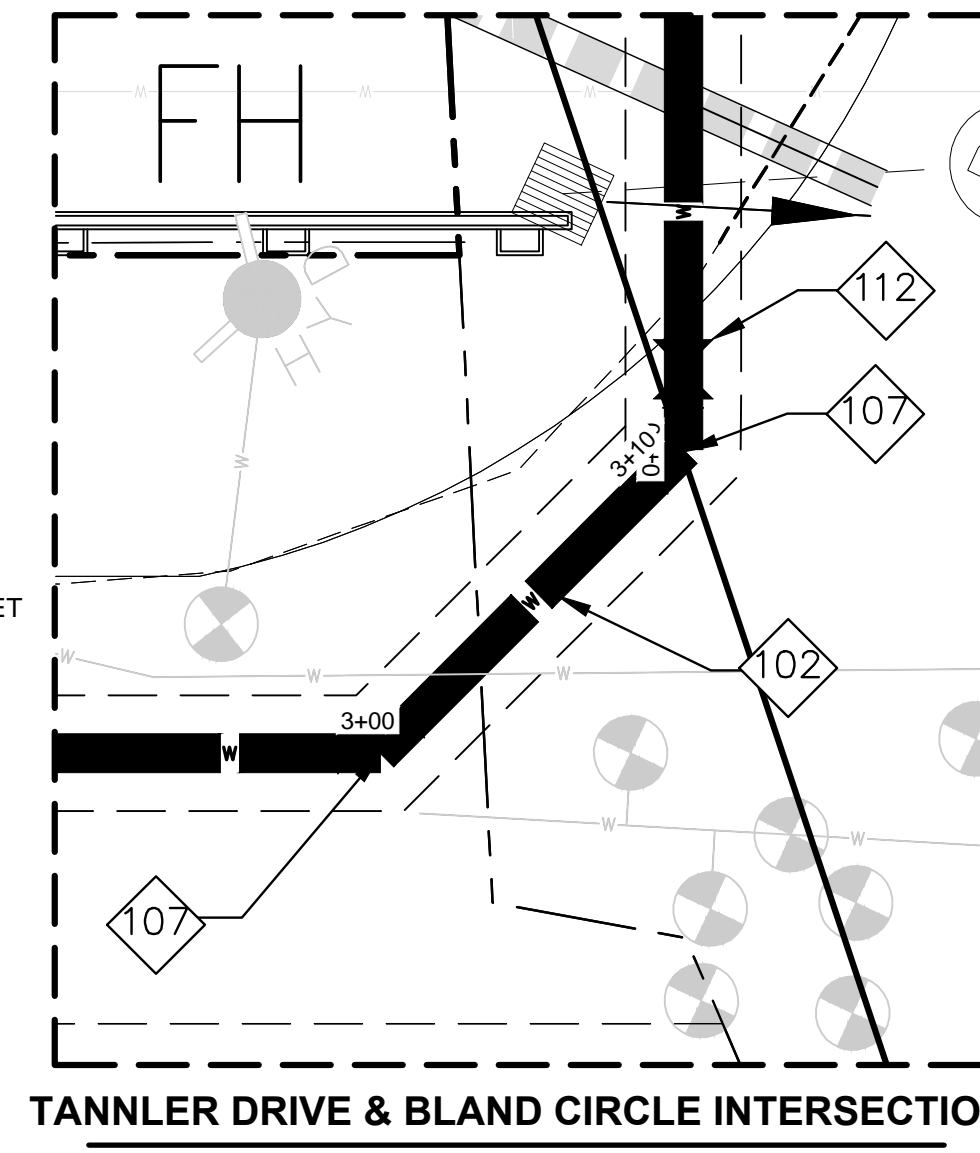
TANNER DRIVE WATER LINE PLAN VIEW



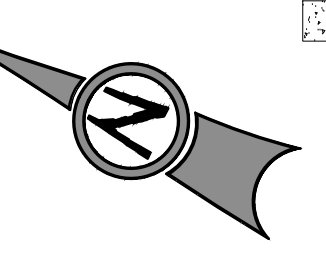
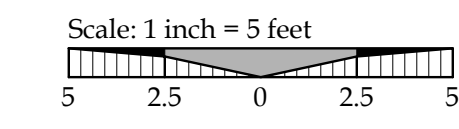
CB RIM = 494.22  
IE(SE) = 490.82 10" PVC

CB RIM = 494.38  
IE(NE) = 490.98 10" PVC  
IE(SW) = 491.18 10" DIP

SD MH = 494.83  
IE(NE) = 490.78 12" PVC  
IE(SE) = 489.83 12" PVC  
IE(SW/NW) = 489.88 10" PVC  
IE(SW) = 490.63 10" PVC



TANNER DRIVE & BLAND CIRCLE INTERSECTION



**LEGEND**

	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	PROPOSED RIGHT-OF-WAY
	PROPOSED LOT LINE
	PROPOSED CENTERLINE
	PROPOSED CURB AND GUTTER
	PROPOSED SIDEWALK
	STORM DRAIN LINE AND MANHOLE
	STORM SEWER CURB INLET
	PROPOSED STREET LIGHT
	PROPOSED RETAINING WALL
	PROPOSED SANITARY LINE
	PROPOSED WATER LINE
	TREE PROTECTION FENCING
	BOUNDARY LINE
	RIGHT-OF-WAY
	EXISTING CENTERLINE
	EXISTING EASEMENT LINE
	EXISTING LOT LINE
	EXISTING CURB AND GUTTER
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM LINE
	EXISTING SIDEWALK
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING SANITARY MANHOLE

**WATER CONSTRUCTION NOTES**

- 102 12" CLASS 52 CEMENT LINED DUCTILE IRON PIPE
- 107 12" - 45° MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 111 12" BUTTERFLY VALVE, VALVE BOX & COVER, FLANGE X MECHANICAL JOINT, PER DETAIL WL-411
- 114 4" BLOW-OFF ASSEMBLY, PER DETAIL WL-404B
- 118 FUTURE IMPROVEMENTS REGARDING THE SUNBREAK DIVISION IN WEST LINN. THIS WORK IS NOT ASSOCIATED WITH CITY OF WEST LINN WATER TRANSMISSION MAIN.
- 204 BASELIFT INSTALLED BY OTHERS. WATERLINE TRENCHING TO OCCUR IN BASELIFT. ONCE WATERLINE INSTALLATION IS COMPLETE THE CITY OF WEST LINN TO INSTALL WEAR COURSE AT J.T. SMITH'S EXPENSE (13,572 SQFT).

**GENERAL NOTES**

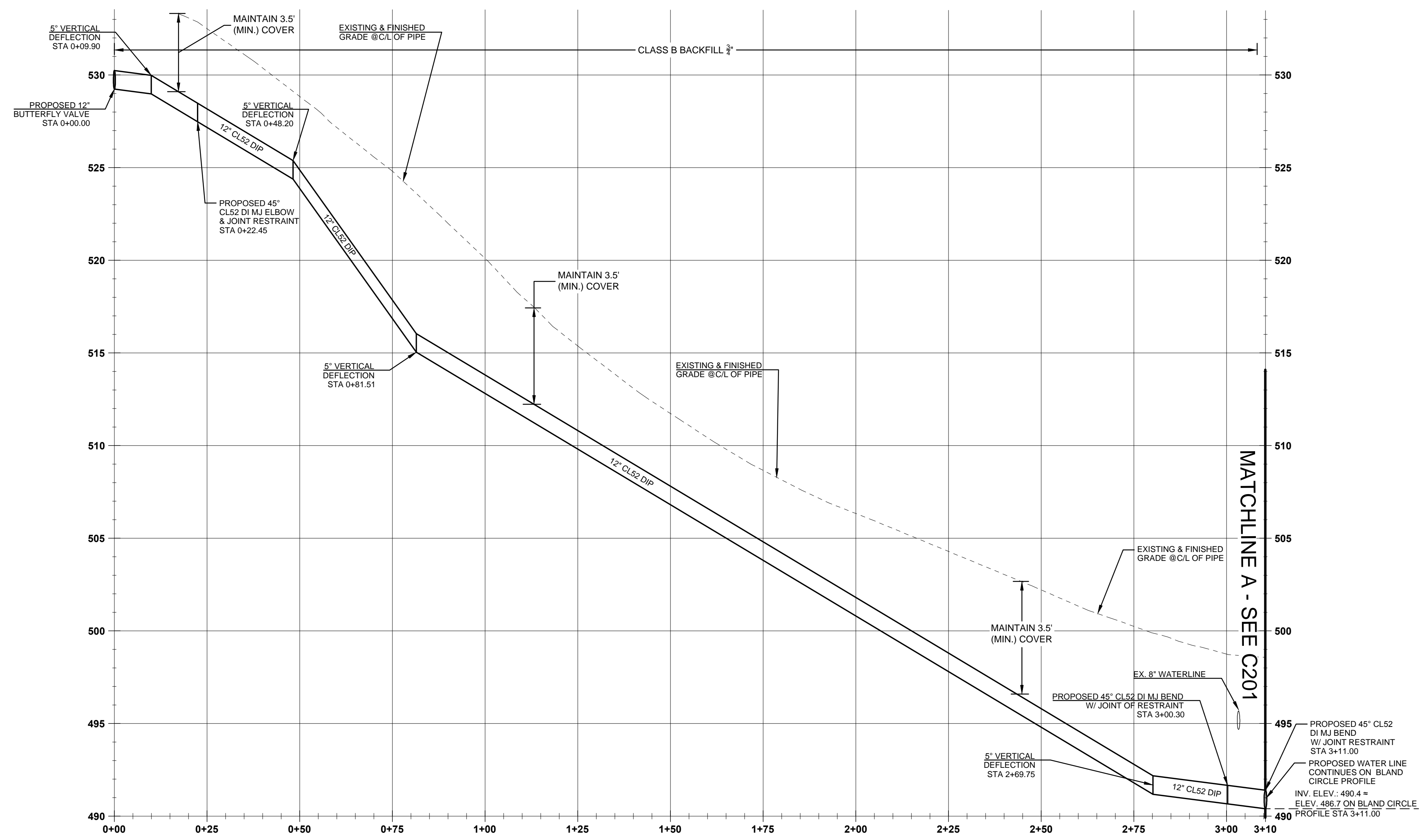
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2. ALL WATER PIPE TO BE DUCTILE IRON PIPE UNLESS OTHERWISE NOTED.
3. WATER SYSTEM TO BE INSTALLED PER CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS.
4. MAINTAIN 10' MINIMUM HORIZONTAL CLEARANCE FROM WATER MAIN TO SEWER MAIN OR 5' MINIMUM HORIZONTAL CLEARANCE WITH AN 18" VERTICAL CLEARANCE FROM WATER MAIN TO SEWER MAIN.
5. PROTECT ALL EXISTING UNDERGROUND UTILITIES.
6. ALL AREAS WHERE EXISTING ASPHALT IS REMOVED SHALL HAVE NEW BASELIFT AND WEARING COURSE INSTALLED AS SHOWN IN CITY OF WEST LINN STANDARD DRAWING NO. 203.

**STREET NOTES**

1. STREET SUBGRADE SHALL CONFORM TO DIVISION 501 OF THE CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS. AREAS TO RECEIVE FILL ARE TO BE INSPECTED BY CITY OF WEST LINN PERSONNEL PRIOR TO PLACEMENT OF THE FILL. THE CONTRACTOR SHALL HAVE FILL AREAS TESTED FOR COMPACTION BY A CERTIFIED TESTING LAB IN ACCORDANCE WITH W.L.S.C.S. DIVISION 501.03.08. SUCH TESTING WILL BE AT THE CONTRACTOR'S EXPENSE.
2. AGGREGATE BASE ROCK SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 205. BASE COURSE SHALL BE 1-1/2" - 0 CRUSHED ROCK AND LEVELING COURSE SHALL BE 3/4" - 0. ALL UNDERGROUND UTILITIES INCLUDING LATERALS, SERVICES, AND POWER OR GAS CONDUITS WILL BE IN PLACE BEFORE SUBGRADE PROOF ROLL WILL TAKE PLACE.
3. ASPHALT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 205. 2" BASE LIFT SHALL BE CLASS "B" A.C. AND 2" FINAL LIFT SHALL BE CLASS "C" A.C. MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 505. THE TOP LIFT OF ASPHALT CONCRETE SHALL NOT BE PLACED PRIOR TO RECEIVING PERMISSION FROM THE CITY OF WEST LINN ENGINEERING DEPARTMENT.
4. CONSTRUCT CURB AND GUTTER USING 3300 PSI CONCRETE MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 205 (AFTER 28 DAYS) WITH MAXIMUM 1-1/2" AGGREGATE SIZE. CONTRACTION JOINTS AT 15' MAXIMUM ON CENTERS. THREE INCH WEEPHOLES ARE TO BE INSTALLED ON ALL LOTS UPHILL OR EVEN WITH THE STREET. GENERALLY, WEEPHOLES SHALL BE LOCATED AT THE CENTER AND LOWEST EDGE OF CURB FOR EACH LOT. CONTRACTOR SHALL STAMP LOCATION OF SEWER AND WATER CROSSINGS WITH AN (S) OR A (W). A PROOF ROLL OF THE CURBLINES IS REQUIRED PRIOR TO POURING CURBS.
5. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.

**TRENCHING & PAVEMENT NOTE**

1. THE HATCHED AREA SHOWN AT THE INTERSECTION OF TANNER DRIVE & BLAND CIRCLE (13,572 SQFT) TO HAVE BASELIFT INSTALLED BY OTHERS. WATERLINE TRENCHING TO OCCUR IN BASELIFT. ONCE WATERLINE INSTALLATION IS COMPLETE THE CITY OF WEST LINN TO INSTALL WEAR COURSE AT J.T. SMITH'S EXPENSE.
2. BASE LIFT AND WEARING COURSE TO BE INSTALLED DIRECTLY ABOVE ALL AREAS OF WATERLINE TRENCHING TO REPLACE THE EXISTING PAVEMENT.

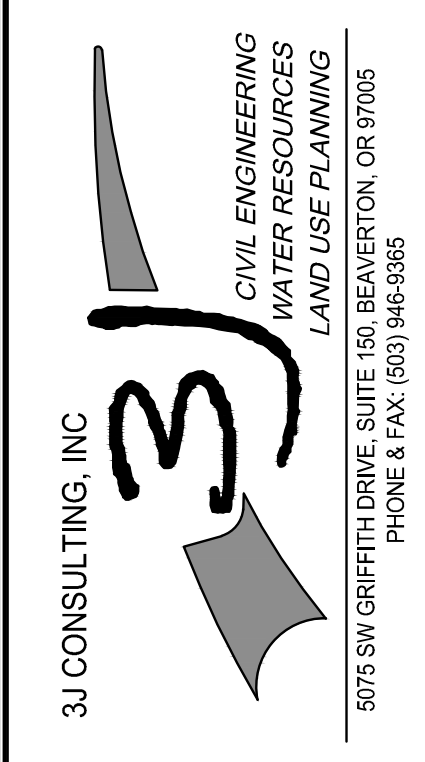


TANNER DRIVE WATER LINE PLAN AND PROFILE

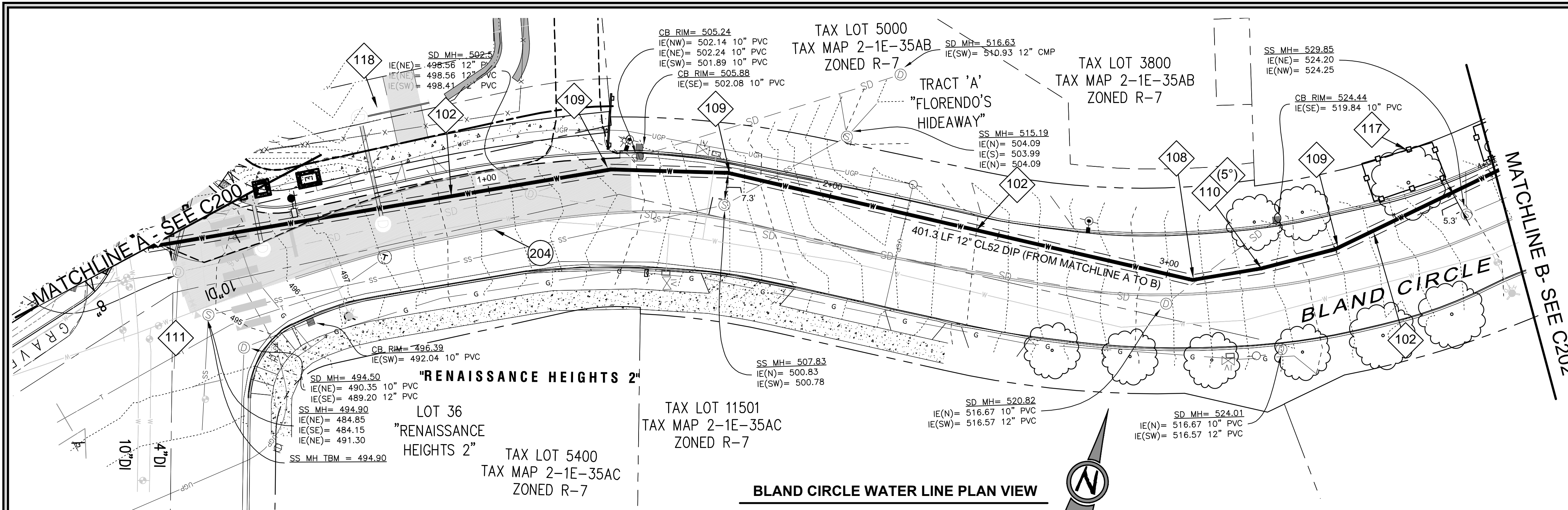
(STA:0+00.00 - STA:3+10.00)  
SCALE: HORIZ 1"=20'  
VERT 1"=5'

CONSTRUCTION DOCUMENTS 06/12/14  
REVISION SUMMARY  
DATE

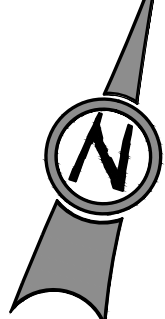
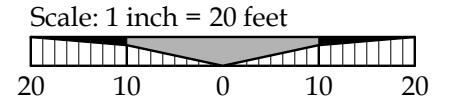
TANNER ROAD PLAN AND PROFILE  
CITY OF WEST LINN  
WATER TRANSMISSION MAIN  
WEST LINN, OR



3J JOB ID # 114192  
LAND USE # 1  
TAX LOT #'S 1E  
DESIGNED BY IEM  
CHECKED BY IBKF  
SHEET TITLE  
TANNER DR. P&P  
SHEET NUMBER  
**C200**



**BLAND CIRCLE WATER LINE PLAN VIEW**



LEGEND	
	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	PROPOSED RIGHT-OF-WAY
	PROPOSED LOT LINE
	PROPOSED CENTERLINE
	PROPOSED CURB AND GUTTER
	PROPOSED SIDEWALK
	STORM DRAIN LINE AND MANHOLE
	STORM SEWER CURB INLET
	PROPOSED STREET LIGHT
	PROPOSED RETAINING WALL
	PROPOSED SANITARY LINE
	PROPOSED WATER LINE
	TREE PROTECTION FENCING
	BOUNDARY LINE
	RIGHT-OF-WAY
	EXISTING CENTERLINE
	EXISTING EASEMENT LINE
	EXISTING LOT LINE
	EXISTING CURB AND GUTTER
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM LINE
	EXISTING SIDEWALK
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING SANITARY MANHOLE

**WATER CONSTRUCTION NOTES**

- 102 12" CLASS 52 CEMENT LINED DUCTILE IRON PIPE
- 108 12" - 22.5° MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 109 12" - 11.25° MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 110 5" MAXIMUM DEFLECTION IN 12" DI PIPE JOINT.
- 111 12" BUTTERFLY VALVE, VALVE BOX & COVER, FLANGE X MECHANICAL JOINT, PER DETAIL WL-411
- 117 INSTALL TREE PROTECTION FENCING, PER CITY STD. DWG. WL-219.
- 118 FUTURE IMPROVEMENTS REGARDING THE SUNBREAK DIVISION IN WEST LINN. THIS WORK IS NOT ASSOCIATED WITH CITY OF WEST LINN WATER TRANSMISSION MAIN
- 204 BASELIFT INSTALLED BY OTHERS. WATERLINE TRENCHING TO OCCUR IN BASELIFT. ONCE WATERLINE INSTALLATION IS COMPLETE THE CITY OF WEST LINN TO INSTALL WEAR COURSE AT J.T. SMITH'S EXPENSE (13,572 SQFT).

**GENERAL NOTES**

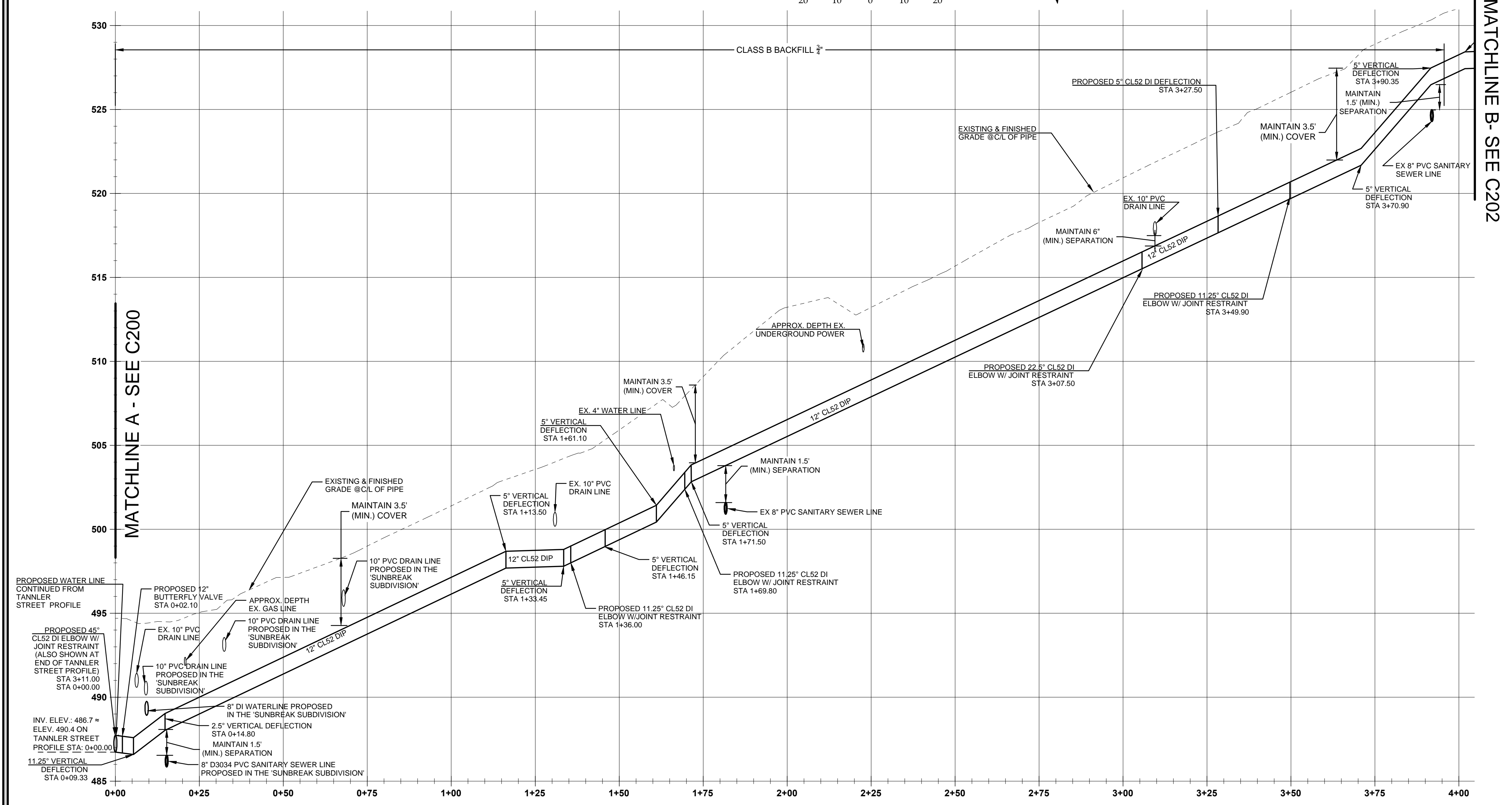
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5. PROTECT ALL EXISTING UNDERGROUND UTILITIES.
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**BLAND CIRCLE WATER LINE PLAN AND PROFILE**

(STA: 0+00.00 - STA:4+00.00)

SCALE: HORIZ 1"=20'  
VERT 1"=5'

CONSTRUCTION DOCUMENTS 06/12/14

REVISION SUMMARY

DATE

BY

BLAND CIRCLE PLAN AND PROFILE I

CITY OF WEST LINN

WATER TRANSMISSION MAIN

WEST LINN, OR

REGISTERED PROFESSIONAL ENGINEER 58093PE

OREGON JULY 19, 2003

BRIAN K. FEENEY

EXPIRES: 12 - 31 - 15

S.J. CONSULTING, INC.

CIVIL ENGINEERING WATER RESOURCES LAND USE PLANNING

5075 SW GRIFFITH DRIVE, SUITE 150, BEAVERTON, OR 97005

PHONE & FAX: (503) 946-5686

3J JOB ID # 114192

LAND USE # |

TAX LOT #S |

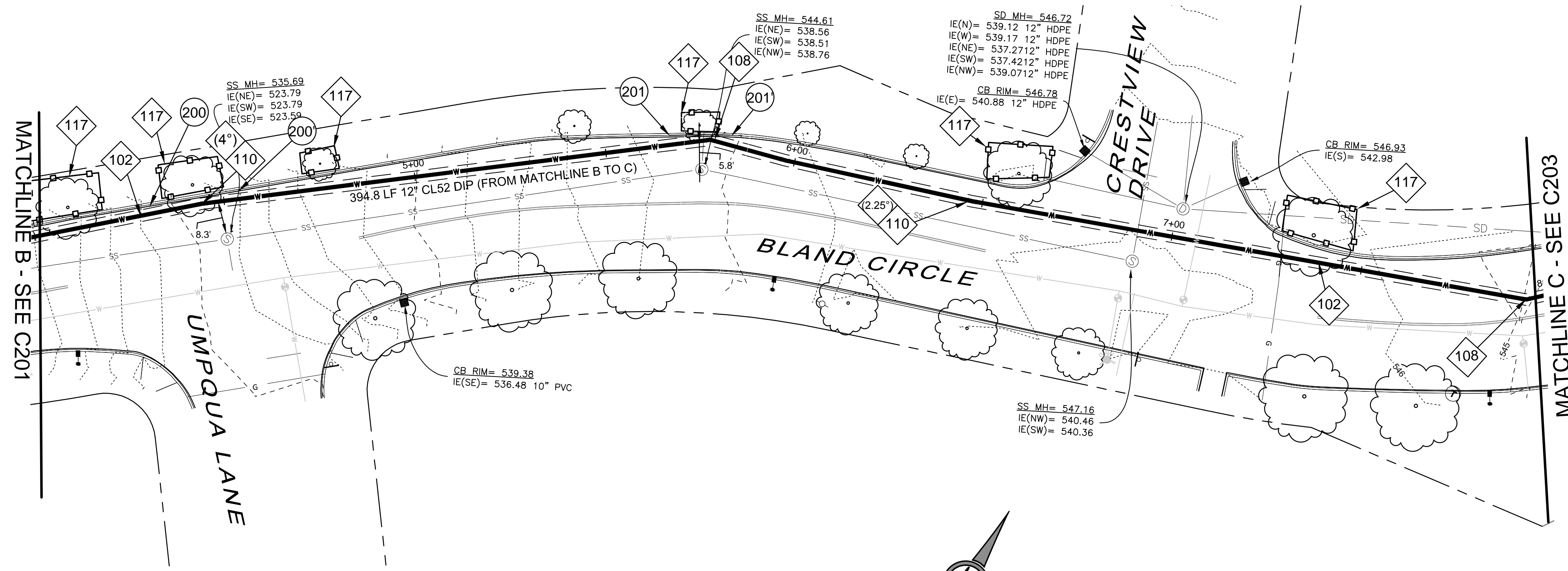
DESIGNED BY | EIM

CHECKED BY | BKF

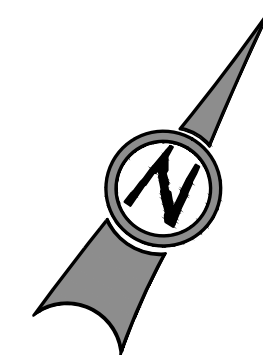
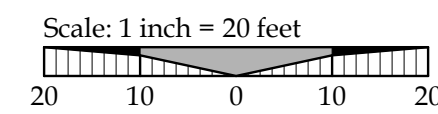
SHEET TITLE  
**BLAND CIR. P&P I**

SHEET NUMBER  
**C201**





**BLAND CIRCLE WATER LINE PLAN VIEW**

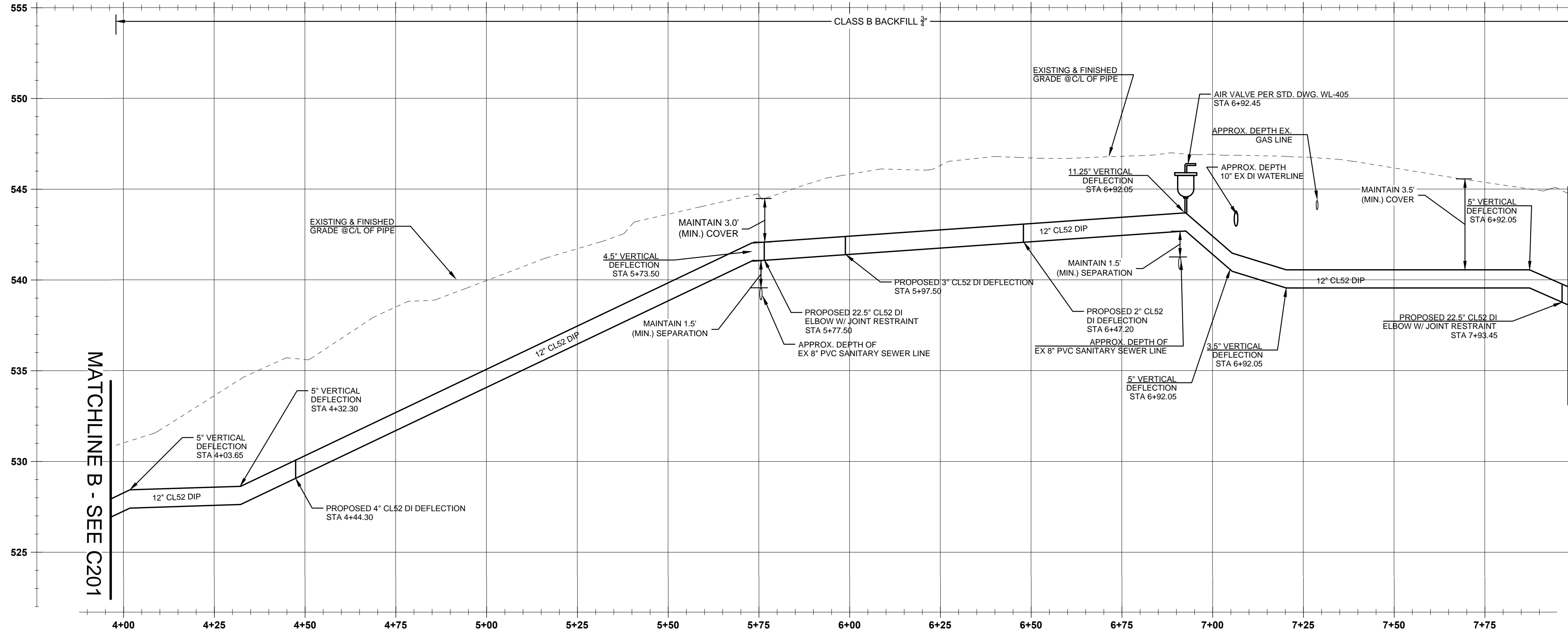


**LEGEND**

	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	PROPOSED RIGHT-OF-WAY
	PROPOSED LOT LINE
	PROPOSED CENTERLINE
	PROPOSED CURB AND GUTTER
	PROPOSED SIDEWALK
	STORM DRAIN LINE AND MANHOLE
	STORM SEWER CURB INLET
	PROPOSED STREET LIGHT
	PROPOSED RETAINING WALL
	PROPOSED WATER LINE
	TREE PROTECTION FENCING
	BOUNDARY LINE
	RIGHT-OF-WAY
	SANITARY LINE
	EXISTING CENTERLINE
	EXISTING EASEMENT LINE
	EXISTING LOT LINE
	EXISTING CURB AND GUTTER
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM LINE
	EXISTING SIDEWALK
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING SANITARY MANHOLE

**WATER CONSTRUCTION NOTES**

- 12" CLASS 52 CEMENT LINED DUCTILE IRON PIPE
- 12" - 11.25" MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 5" MAXIMUM DEFLECTION IN 12" DI PIPE JOINT.
- INSTALL TREE PROTECTION FENCING, PER CITY STD. DWG. WL-219
- REMOVE AND RECONSTRUCT 25.0 LF CURB PER CITY OF WEST LINN STANDARDS STA 4+79.50 TO STA: 5+04.50
- REMOVE AND RECONSTRUCT 15.0 LF CURB PER CITY OF WEST LINN STANDARDS STA 5+66.50 TO STA: 5+82.50



**BLAND CIRCLE WATER LINE PLAN AND PROFILE**

(STA: 4+00.00 - STA:7+90.00)  
SCALE: HORIZ 1"=20'  
VERT 1"=5'

MATCHLINE C - SEE C203

**GENERAL NOTES**

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE CITY OF WEST LINN.
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5. PROTECT ALL EXISTING UNDERGROUND UTILITIES.

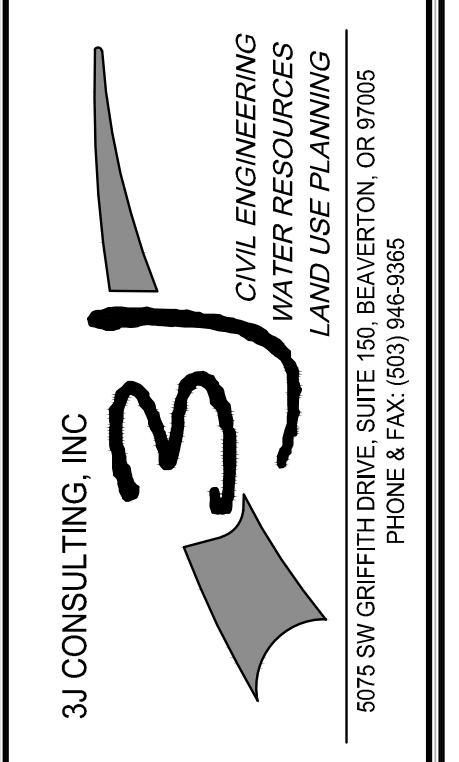
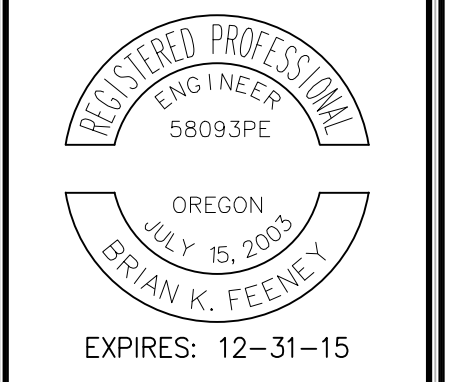
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CONSTRUCTION DOCUMENTS 06/12/14

BY	DATE
REVISION SUMMARY	

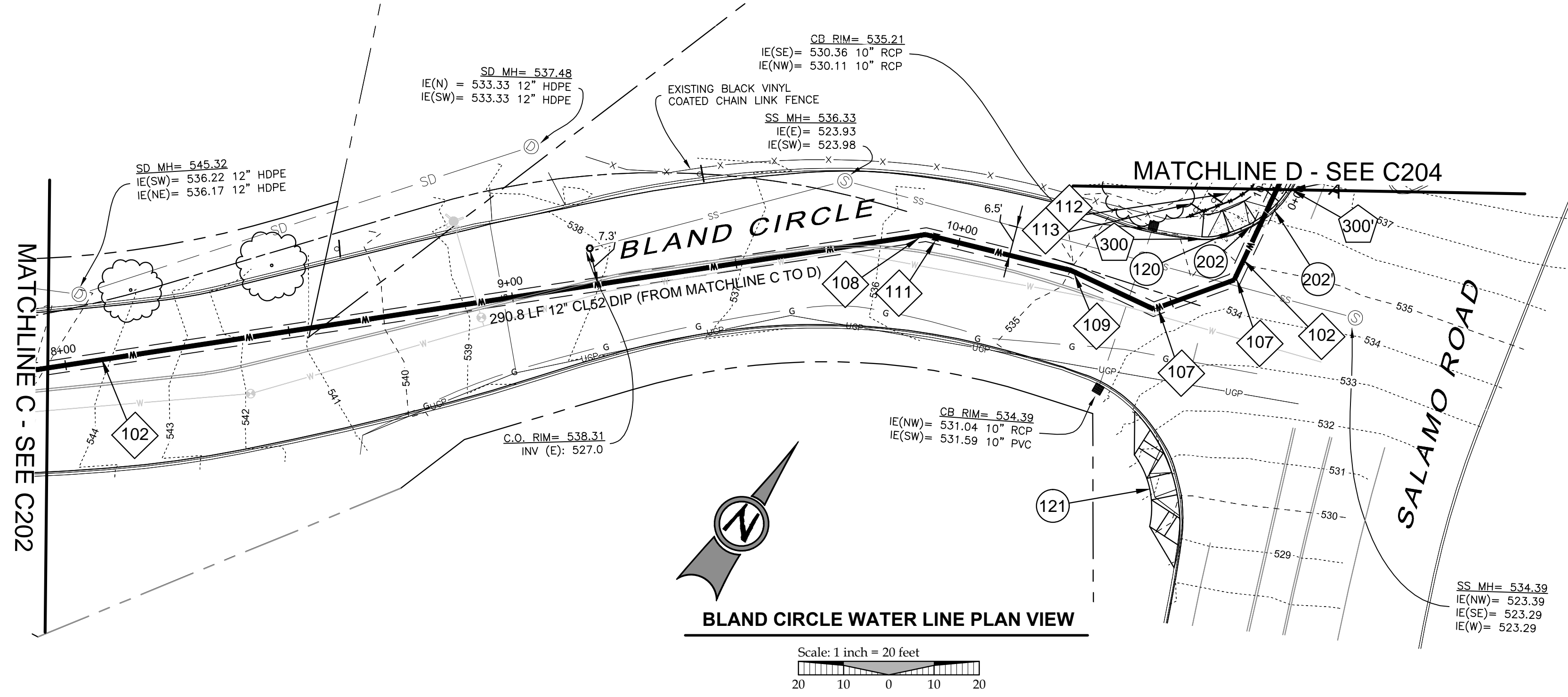
BLAND CIRCLE PLAN AND PROFILE II  
 CITY OF WEST LINN  
 WATER TRANSMISSION MAIN  
 WEST LINN, OR



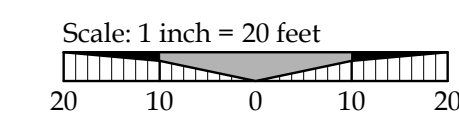
3J JOB ID # | 14192  
LAND USE # |  
TAX LOT #S |  
DESIGNED BY | EIM  
CHECKED BY | BKF

SHEET TITLE  
**BLAND CIR. P&P II**  
SHEET NUMBER

**C202**



**BLAND CIRCLE WATER LINE PLAN VIEW**



**LEGEND**

	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	PROPOSED RIGHT-OF-WAY
	PROPOSED LOT LINE
	PROPOSED CENTERLINE
	PROPOSED CURB AND GUTTER
	PROPOSED SIDEWALK
	STORM DRAIN LINE AND MANHOLE
	STORM SEWER CURB INLET
	PROPOSED STREET LIGHT
	PROPOSED RETAINING WALL
	PROPOSED SANITARY LINE
	PROPOSED WATER LINE
	TREE PROTECTION FENCING
	BOUNDARY LINE
	RIGHT-OF-WAY
	EXISTING CENTERLINE
	EXISTING EASEMENT LINE
	EXISTING LOT LINE
	EXISTING CURB AND GUTTER
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM LINE
	EXISTING SIDEWALK
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING SANITARY MANHOLE

**WATER CONSTRUCTION NOTES**

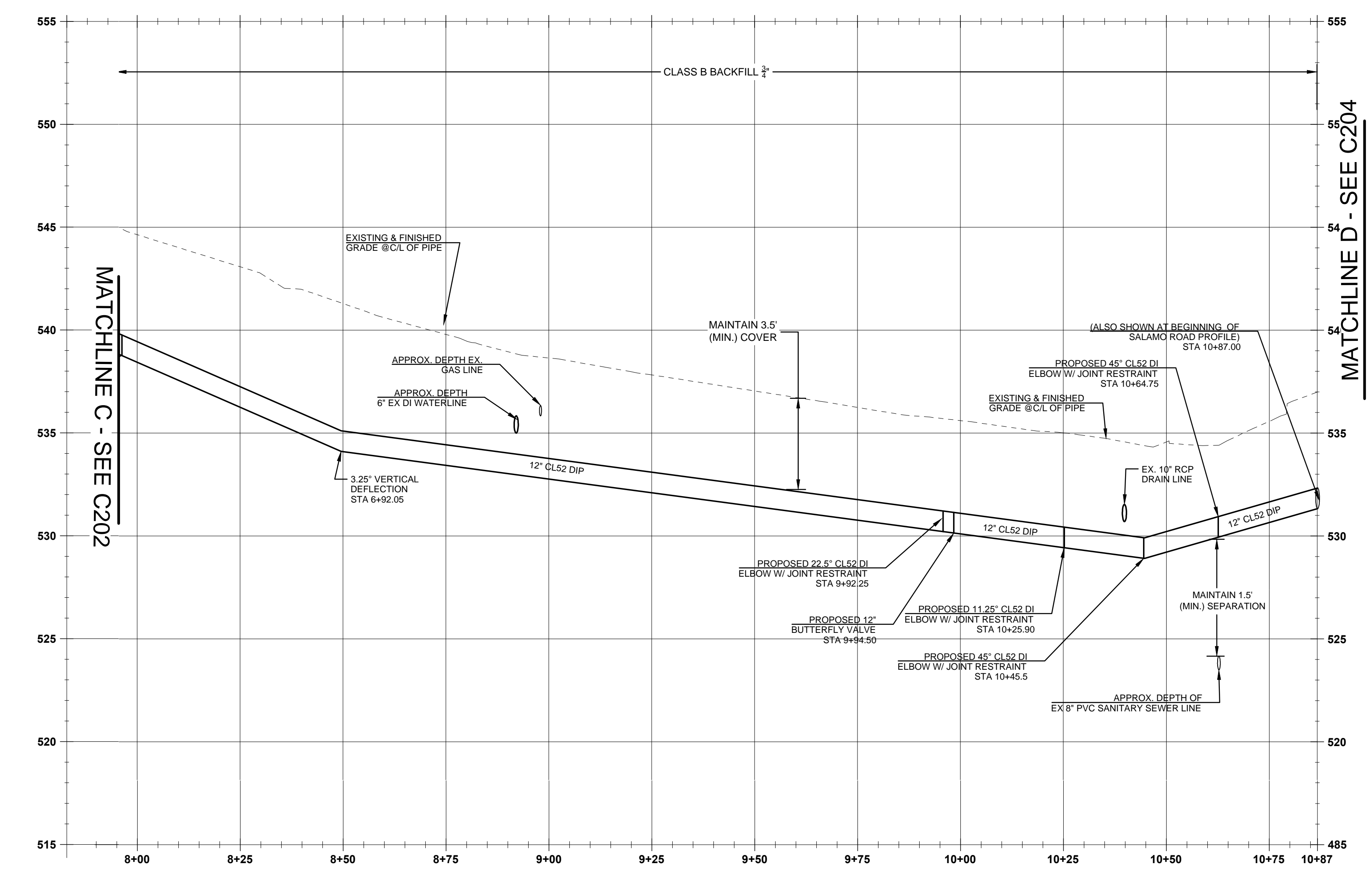
- 102 12" CLASS 52 CEMENT LINED DUCTILE IRON PIPE
- 107 12" - 45° MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 108 12" - 22.5° MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 109 12" - 11.25° MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 110 5" MAXIMUM DEFLECTION IN 12" DI PIPE JOINT
- 111 12" BUTTERFLY VALVE, VALVE BOX & COVER, FLANGE X MECHANICAL JOINT, PER DETAIL WL-411
- 112 REMOVE EXISTING FENCE ALONG SALAMO ROAD AND RESET OUTSIDE OF EDGE OF PAVEMENT FOR PROPOSED SIDEWALK.
- 113 REMOVE AND RESET SIGN TO INSIDE EDGE OF PAVEMENT OF PROPOSED SIDEWALK ALONG SALAMO ROAD.
- 120 ADA RAMP TO BE CONSTRUCTED PER STD. DWG. WL-507A.
- 121 REMOVE EXISTING ADA RAMP AND CONSTRUCT A DOUBLE ADA RAMP PER STD. DWG. WL-507B. LIMITED SURVEY IN THIS AREA. CONTRACTOR TO MEET EXISTING GRADES.
- 202 202 REMOVE AND RECONSTRUCT 6.50 LF CURB PER CITY OF WEST LINN STANDARDS STA 10+77.00 TO STA: 10+81.00
- 300 300 INSTALL NEW 5.0' WIDE SIDEWALK 23.8 LF PER STD. DWG. WL-508 STA 10+74.00 TO STA: 10+85.00

**GENERAL NOTES**

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE CITY OF WEST LINN.
2. ALL WATER PIPE TO BE DUCTILE IRON PIPE UNLESS OTHERWISE NOTED.
3. WATER SYSTEM TO BE INSTALLED PER CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS.
4. MAINTAIN 10' MINIMUM HORIZONTAL CLEARANCE FROM WATER MAIN TO SEWER MAIN OR 5' MINIMUM HORIZONTAL CLEARANCE WITH AN 18" VERTICAL CLEARANCE FROM WATER MAIN TO SEWER MAIN.
5. PROTECT ALL EXISTING UNDERGROUND UTILITIES.

**STREET NOTES**

1. STREET SUBGRADE SHALL CONFORM TO DIVISION 501 OF THE CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS. AREAS TO RECEIVE FILL ARE TO BE INSPECTED BY CITY OF WEST LINN PERSONNEL PRIOR TO PLACEMENT OF THE FILL. THE CONTRACTOR SHALL HAVE FILL AREAS TESTED FOR COMPACTION BY A CERTIFIED TESTING LAB IN ACCORDANCE WITH W.L.S.C.S. DIVISION 501.03.08. SUCH TESTING WILL BE AT THE CONTRACTOR'S EXPENSE.
2. AGGREGATE BASE ROCK SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 205. BASE COURSE SHALL BE 1-1/2" -0 CRUSHED ROCK AND LEVELING COURSE SHALL BE 3/4" -0. ALL UNDERGROUND UTILITIES INCLUDING LATERALS, SERVICES, AND POWER OR GAS CONDUITS WILL BE IN PLACE BEFORE SUBGRADE PROOF ROLL WILL TAKE PLACE.
3. ASPHALT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 205. 2" BASE LIFT SHALL BE CLASS "B" A.C. AND 2" FINAL LIFT SHALL BE CLASS "C" A.C. MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 505. THE TOP LIFT OF ASPHALT CONCRETE SHALL NOT BE PLACED PRIOR TO RECEIVING PERMISSION FROM THE CITY OF WEST LINN ENGINEERING DEPARTMENT.
4. CONSTRUCT CURB AND GUTTER USING 3300 PSI CONCRETE MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 205 (AFTER 28 DAYS) WITH MAXIMUM 1-1/2" AGGREGATE SIZE. CONTRACTION JOINTS AT 15' MAXIMUM ON CENTERS. THREE INCH WEEPHOLES ARE TO BE INSTALLED ON ALL LOTS UPHILL OR EVEN WITH THE STREET. GENERALLY, WEEPHOLES SHALL BE LOCATED AT THE CENTER AND LOWEST EDGE OF CURB FOR EACH LOT. CONTRACTOR SHALL STAMP LOCATION OF SEWER AND WATER CROSSINGS WITH AN (S) OR A (W). A PROOF ROLL OF THE CURBLINES IS REQUIRED PRIOR TO POURING CURBS.
5. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.



**BLAND CIRCLE WATER LINE PLAN AND PROFILE**

(STA: 7+90.00 - STA:10+87.00)  
SCALE: HORIZ 1"=20'  
VERT 1"=5'

CONSTRUCTION DOCUMENTS 06/12/14

REVISION SUMMARY

DATE

BY

BLAND CIRCLE PLAN AND PROFILE III

CITY OF WEST LINN

WATER TRANSMISSION MAIN

WEST LINN, OR

REGISTERED PROFESSIONAL ENGINEER 58093PE

OREGON JULY 19, 2003

BRIAN K. FEENEY

EXPIRES: 12 - 31 - 15

3J CONSULTING, INC

CIVIL ENGINEERING WATER RESOURCES LAND USE PLANNING

5075 SW GRIFFITH DRIVE, SUITE 100, BEAVERTON, OR 97005

PHONE & FAX: (503) 946-5686

3J JOB ID # | 14192

LAND USE # |

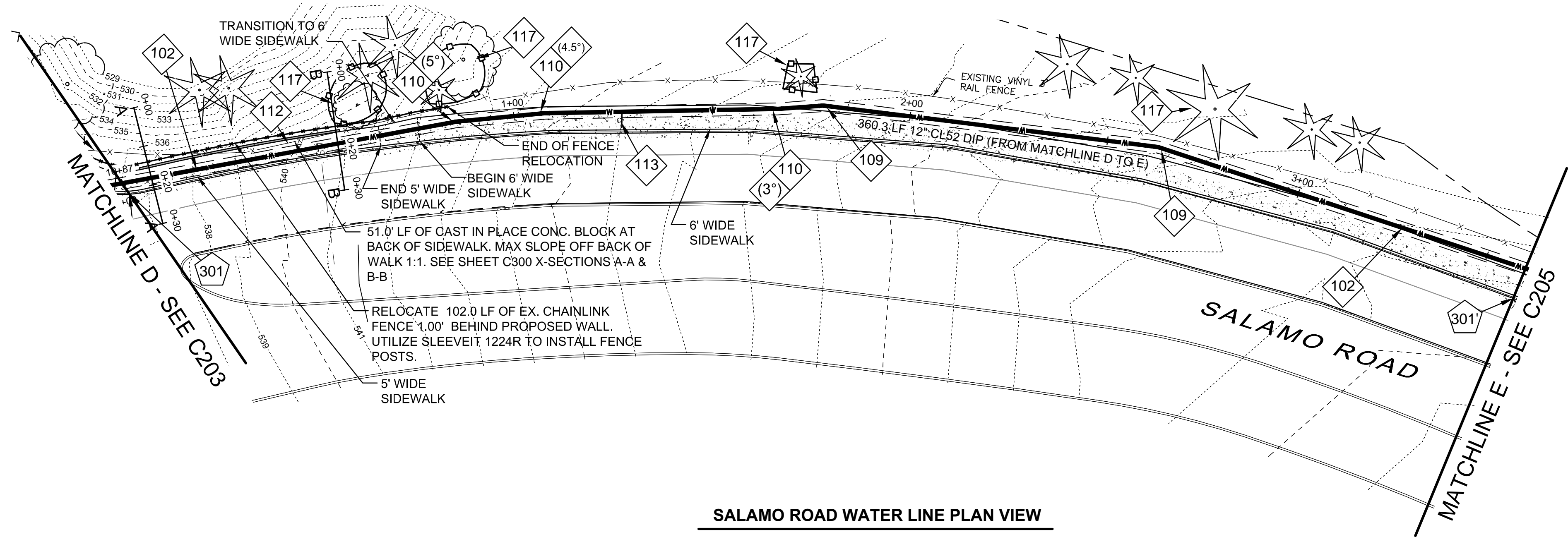
TAX LOT #S |

DESIGNED BY | EIM

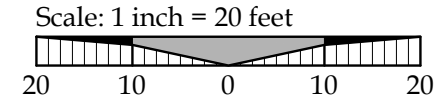
CHECKED BY | BKF

SHEET TITLE  
**BLAND CIR. P&P III**

SHEET NUMBER  
**C203**



**SALAMO ROAD WATER LINE PLAN VIEW**



**LEGEND**

	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	PROPOSED RIGHT-OF-WAY
	PROPOSED LOT LINE
	PROPOSED CENTERLINE
	PROPOSED CURB AND GUTTER
	PROPOSED SIDEWALK
	STORM DRAIN LINE AND MANHOLE
	STORM SEWER CURB INLET
	PROPOSED STREET LIGHT
	PROPOSED RETAINING WALL
	PROPOSED SANITARY LINE
	PROPOSED WATER LINE
	TREE PROTECTION FENCING
	BOUNDARY LINE
	RIGHT-OF-WAY
	EXISTING CENTERLINE
	EXISTING EASEMENT LINE
	EXISTING LOT LINE
	EXISTING CURB AND GUTTER
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM LINE
	EXISTING SIDEWALK
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING SANITARY MANHOLE

**CONSTRUCTION NOTES**

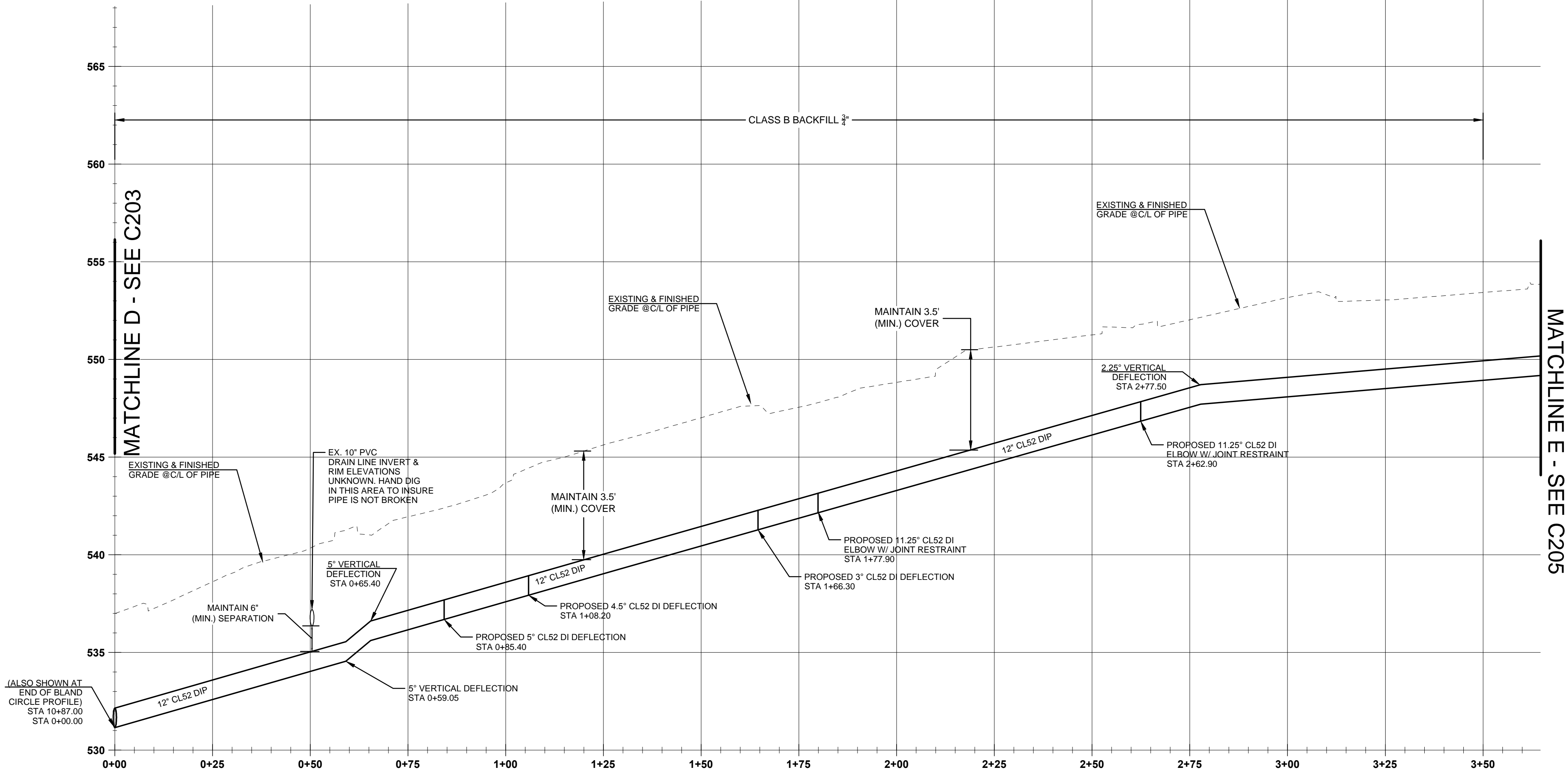
- 102 12" CLASS 52 CEMENT LINED DUCTILE IRON PIPE
- 109 12" - 11.25" MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 110 5" MAXIMUM DEFLECTION IN 12" DI PIPE JOINT
- 112 REMOVE EXISTING FENCE ALONG SALAMO ROAD AND RESET OUTSIDE OF EDGE OF PAVEMENT FOR PROPOSED SIDEWALK.
- 113 REMOVE AND RESET SIGN TO INSIDE EDGE OF PAVEMENT OF PROPOSED SIDEWALK ALONG SALAMO ROAD.
- 117 INSTALL TREE PROTECTION FENCING, PER CITY STD. DWG. WL-219
- 301 301 INSTALL NEW SIDEWALK 355.1 LF PER STD. DWG. WL-508 STA 00+00.00 TO STA: 3+60.30

**GENERAL NOTES**

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE CITY OF WEST LINN.
2. ALL WATER PIPE TO BE DUCTILE IRON PIPE UNLESS OTHERWISE NOTED.
3. WATER SYSTEM TO BE INSTALLED PER CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS.
4. MAINTAIN 10' MINIMUM HORIZONTAL CLEARANCE FROM WATER MAIN TO SEWER MAIN OR 5' MINIMUM HORIZONTAL CLEARANCE WITH AN 18" VERTICAL CLEARANCE FROM WATER MAIN TO SEWER MAIN.
5. SLOPES TO HAVE A MAXIMUM BACKFILL OF 2:1.
6. PROTECT ALL EXISTING UNDERGROUND UTILITIES.

**STREET NOTES**

1. STREET SUBGRADE SHALL CONFORM TO DIVISION 501 OF THE CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS. AREAS TO RECEIVE FILL ARE TO BE INSPECTED BY CITY OF WEST LINN PERSONNEL PRIOR TO PLACEMENT OF THE FILL. THE CONTRACTOR SHALL HAVE FILL AREAS TESTED FOR COMPACTION BY A CERTIFIED TESTING LAB IN ACCORDANCE WITH W.L.S.C.S. DIVISION 501.03.08. SUCH TESTING WILL BE AT THE CONTRACTOR'S EXPENSE.
2. AGGREGATE BASE ROCK SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 205. BASE COURSE SHALL BE 1-1/2" -0 CRUSHED ROCK AND LEVELING COURSE SHALL BE 3/4" -0. ALL UNDERGROUND UTILITIES INCLUDING LATERALS, SERVICES, AND POWER OR GAS CONDUITS WILL BE IN PLACE BEFORE SUBGRADE PROOF ROLL TAKE PLACE.
3. ASPHALT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 205. 2" BASE LIFT SHALL BE CLASS "B" A.C. AND 2" FINAL LIFT SHALL BE CLASS "C" A.C. MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 505. THE TOP LIFT OF ASPHALT CONCRETE SHALL NOT BE PLACED PRIOR TO RECEIVING PERMISSION FROM THE CITY OF WEST LINN ENGINEERING DEPARTMENT.
4. CONSTRUCT CURB AND GUTTER USING 3300 PSI CONCRETE MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 205 (AFTER 28 DAYS) WITH MAXIMUM 1-1/2" AGGREGATE SIZE. CONTRACTION JOINTS AT 15' MAXIMUM ON CENTERS. THREE INCH WEEPHOLES ARE TO BE INSTALLED ON ALL LOTS UPHILL OR EVEN WITH THE STREET. GENERALLY, WEEPHOLES SHALL BE LOCATED AT THE CENTER AND LOWEST EDGE OF CURB FOR EACH LOT. CONTRACTOR SHALL STAMP LOCATION OF SEWER AND WATER CROSSINGS WITH AN (S) OR A (W). A PROOF ROLL OF THE CURBLINES IS REQUIRED PRIOR TO POURING CURBS.
5. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.



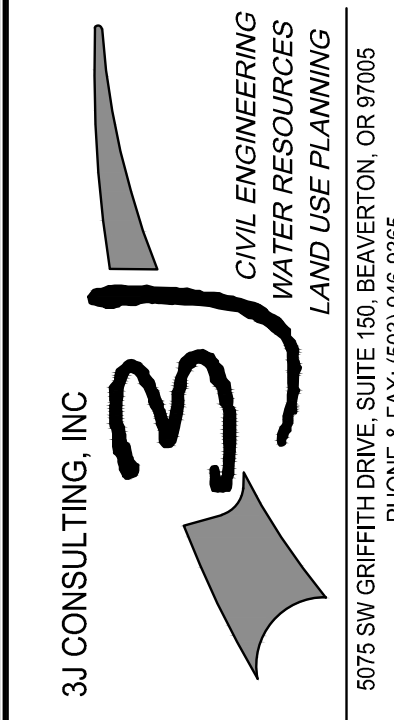
**SALAMO ROAD WATER LINE PLAN AND PROFILE**

(STA: 0+00.00 - STA:3+50.00)  
SCALE: HORIZ 1"=20'  
VERT 1"=5'

CONSTRUCTION DOCUMENTS 06/12/14

REVISION SUMMARY	BY	DATE

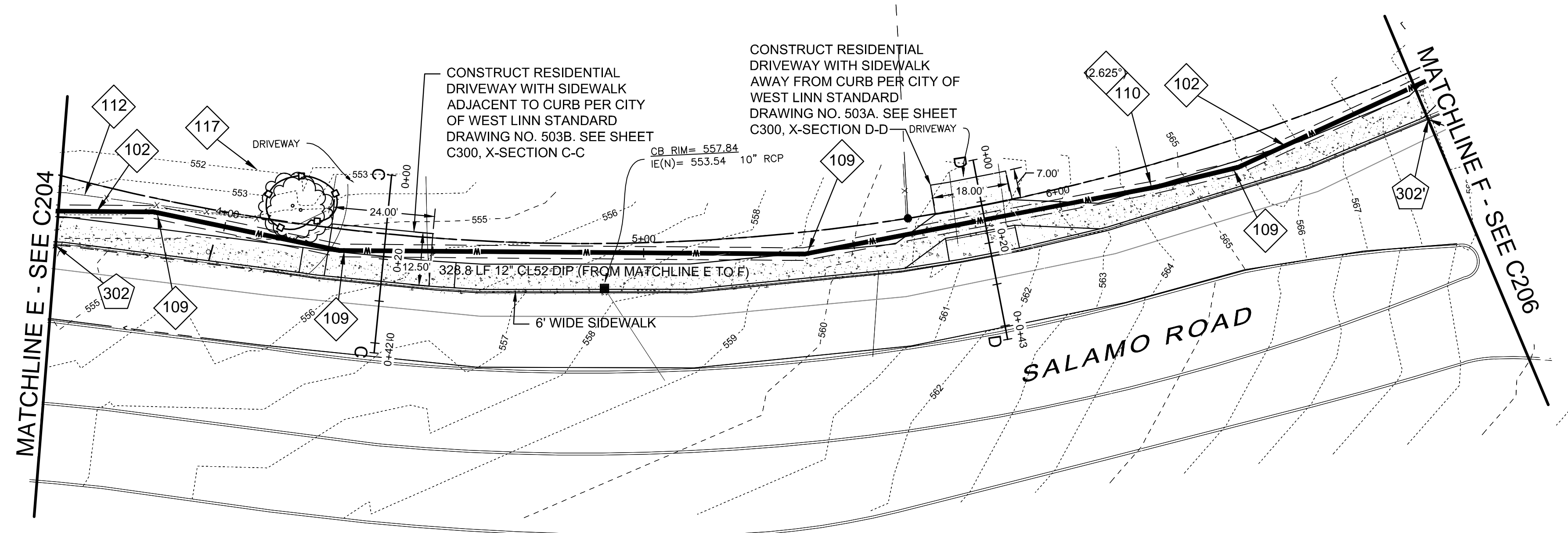
SALAMO ROAD PLAN AND PROFILE I  
CITY OF WEST LINN  
WATER TRANSMISSION MAIN  
WEST LINN, OR



3J JOB ID # | 14192  
LAND USE # |  
TAX LOT #S |  
DESIGNED BY | EIM  
CHECKED BY | BKF

SHEET TITLE  
SALAMO RD. P&P I  
SHEET NUMBER

**C204**



**SALAMO ROAD WATER LINE PLAN VIEW**  
 Scale: 1 inch = 20 feet

**LEGEND**

	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	PROPOSED RIGHT-OF-WAY
	PROPOSED LOT LINE
	PROPOSED CENTERLINE
	PROPOSED CURB AND GUTTER
	PROPOSED SIDEWALK
	STORM DRAIN LINE AND MANHOLE
	STORM SEWER CURB INLET
	PROPOSED STREET LIGHT
	PROPOSED RETAINING WALL
	PROPOSED SANITARY LINE
	PROPOSED WATER LINE
	TREE PROTECTION FENCING
	BOUNDARY LINE
	RIGHT-OF-WAY
	EXISTING CENTERLINE
	EXISTING EASEMENT LINE
	EXISTING LOT LINE
	EXISTING CURB AND GUTTER
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM LINE
	EXISTING SIDEWALK
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING SANITARY MANHOLE

**WATER CONSTRUCTION NOTES**

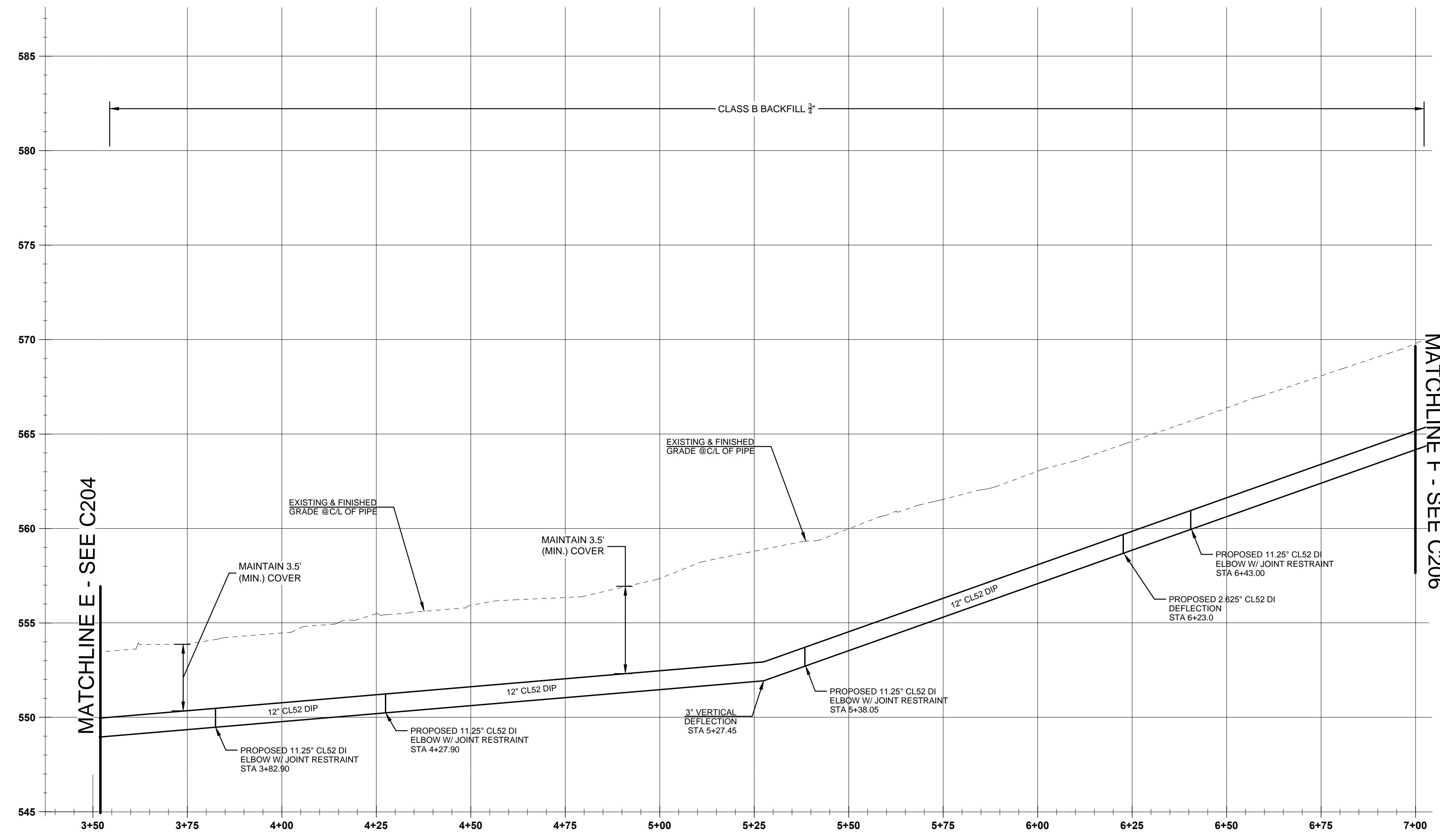
- 102 12" CLASS 52 CEMENT LINED DUCTILE IRON PIPE
- 109 12" - 11.25" MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 110 5" MAXIMUM DEFLECTION IN 12" DI PIPE JOINT
- 112 REMOVE EXISTING FENCE ALONG SALAMO ROAD AND RESET OUTSIDE OF EDGE OF PAVEMENT FOR PROPOSED SIDEWALK.
- 117 INSTALL TREE PROTECTION FENCING, PER CITY STD. DWG. WL-219
- 302 302 INSTALL NEW SIDEWALK 332.0 LF PER STD. DWG. WL-508 STA 03+60.30 TO STA: 6+88.70

**GENERAL NOTES**

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5. SLOPES TO HAVE A MAXIMUM BACKFILL OF 2:1.
6. DRIVEWAY ENTRANCES TO BE REMOVED PER STANDARD DETAIL WL-505 AND REPLACED ACCORDING TO STANDARD DETAIL WL-503B.
7. PROTECT ALL EXISTING UNDERGROUND UTILITIES.

**STREET NOTES**

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5. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.



**SALAMO ROAD WATER LINE PLAN AND PROFILE**  
 (STA: 3+50.00 - STA:7+00.00)  
 SCALE: HORIZ 1"=20'  
 VERT 1"=5'

CONSTRUCTION DOCUMENTS 06/12/14  
 REVISION SUMMARY  
 BY DATE

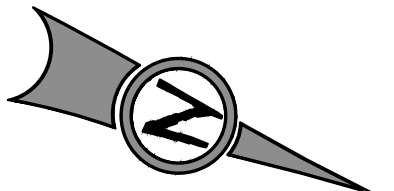
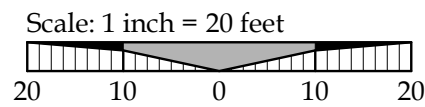
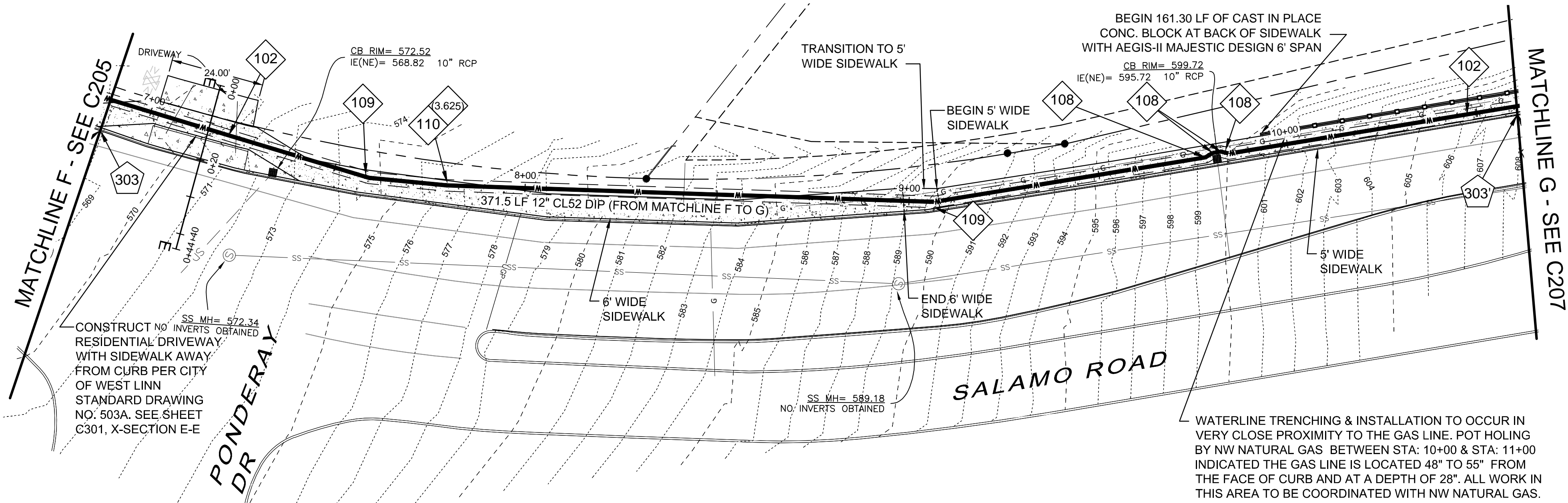
**SALAMO ROAD PLAN AND PROFILE II**  
**CITY OF WEST LINN**  
**WATER TRANSMISSION MAIN**  
 WEST LINN, OR

**West Linn**  
 REGISTERED PROFESSIONAL ENGINEER  
 58093PE  
 OREGON  
 JULY 19, 2003  
 BRIAN K. FEENEY  
 EXPIRES: 12 - 31 - 15

**3J CONSULTING, INC.**  
 CIVIL ENGINEERING  
 WATER RESOURCES  
 LAND USE PLANNING  
 5075 SW GRIFFITH DRIVE, SUITE 100, BEAVERTON, OR 97005  
 PHONE & FAX: (503) 946-6686

3J JOB ID # | 14192  
 LAND USE # |  
 TAX LOT #S |  
 DESIGNED BY | EIM  
 CHECKED BY | BKF

SHEET TITLE  
**SALAMO RD. P&P II**  
 SHEET NUMBER  
**C205**



**LEGEND**

	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	PROPOSED RIGHT-OF-WAY
	PROPOSED LOT LINE
	PROPOSED CENTERLINE
	PROPOSED CURB AND GUTTER
	PROPOSED SIDEWALK
	STORM DRAIN LINE AND MANHOLE
	STORM SEWER CURB INLET
	PROPOSED STREET LIGHT
	PROPOSED RETAINING WALL
	PROPOSED SANITARY LINE
	PROPOSED WATER LINE
	TREE PROTECTION FENCING
	BOUNDARY LINE
	RIGHT-OF-WAY
	EXISTING CENTERLINE
	EXISTING EASEMENT LINE
	EXISTING LOT LINE
	EXISTING CURB AND GUTTER
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM LINE
	EXISTING SIDEWALK
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING SANITARY MANHOLE

**WATER CONSTRUCTION NOTES**

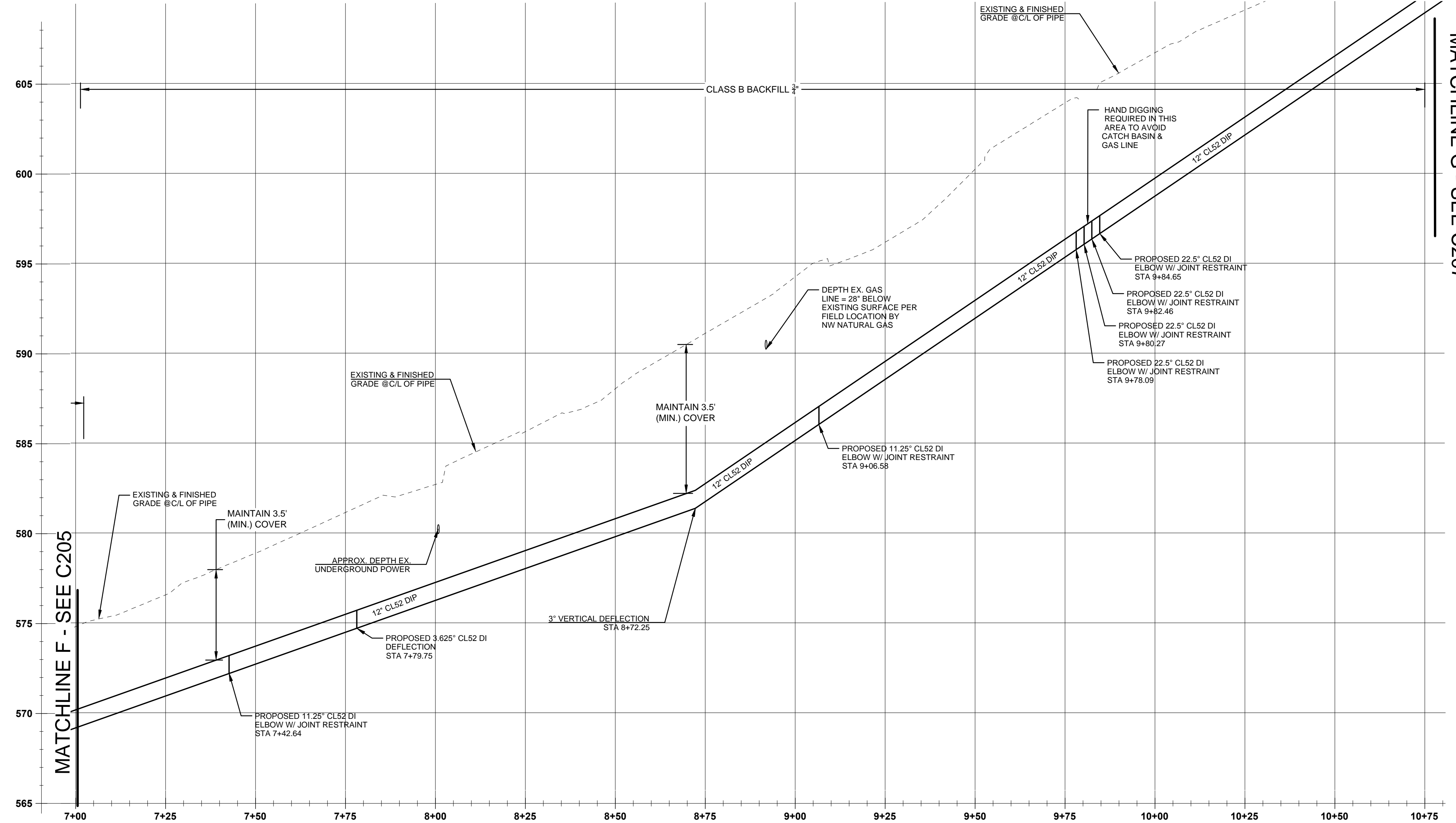
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- 110 5" MAXIMUM DEFLECTION IN 12" DI PIPE JOINT.
- 303 903 INSTALL NEW SIDEWALK 373.5 LF PER STD. DWG. WL-508 STA 06+88.70 TO STA: 10+60.30

**GENERAL NOTES**

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5. SLOPES TO HAVE A MAXIMUM BACKFILL OF 2:1.
6. DRIVEWAY ENTRANCES TO BE REMOVED PER STANDARD DETAIL WL-505 AND REPLACED ACCORDING TO STANDARD DETAIL WL-503B.
7. PROTECT ALL EXISTING UNDERGROUND UTILITIES.

**STREET NOTES**

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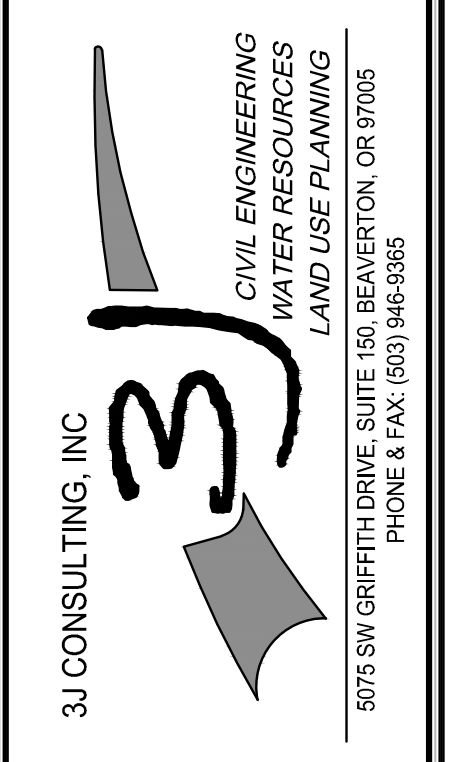
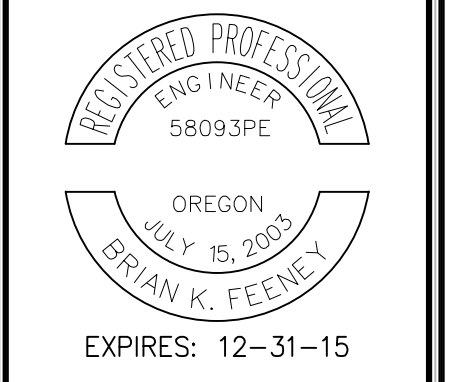
SALAMO ROAD WATER LINE PLAN AND PROFILE

(STA: 7+00.00 - STA:10+75.00)  
 SCALE: HORIZ 1"=20'  
 VERT 1"=5'

CONSTRUCTION DOCUMENTS 06/12/14

DATE	BY
REVISION SUMMARY	

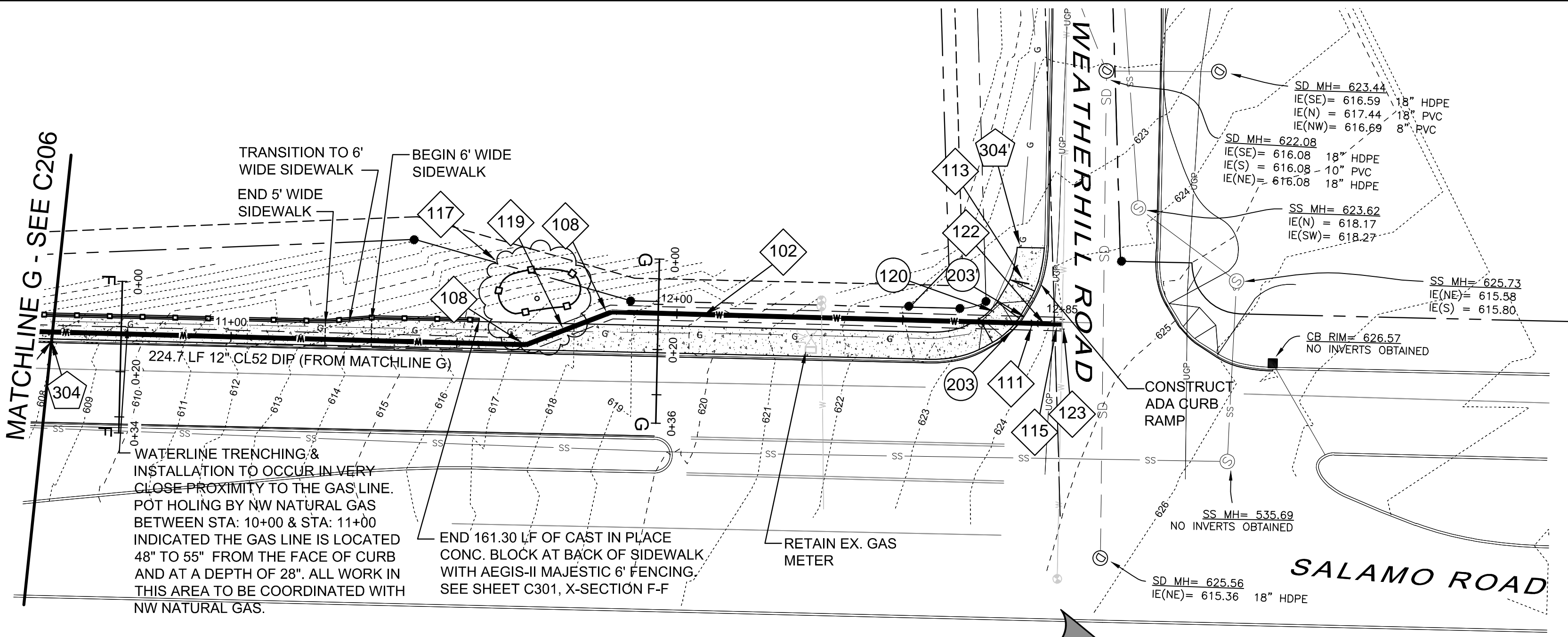
SALAMO ROAD PLAN AND PROFILE III  
 CITY OF WEST LINN  
 WATER TRANSMISSION MAIN  
 WEST LINN, OR



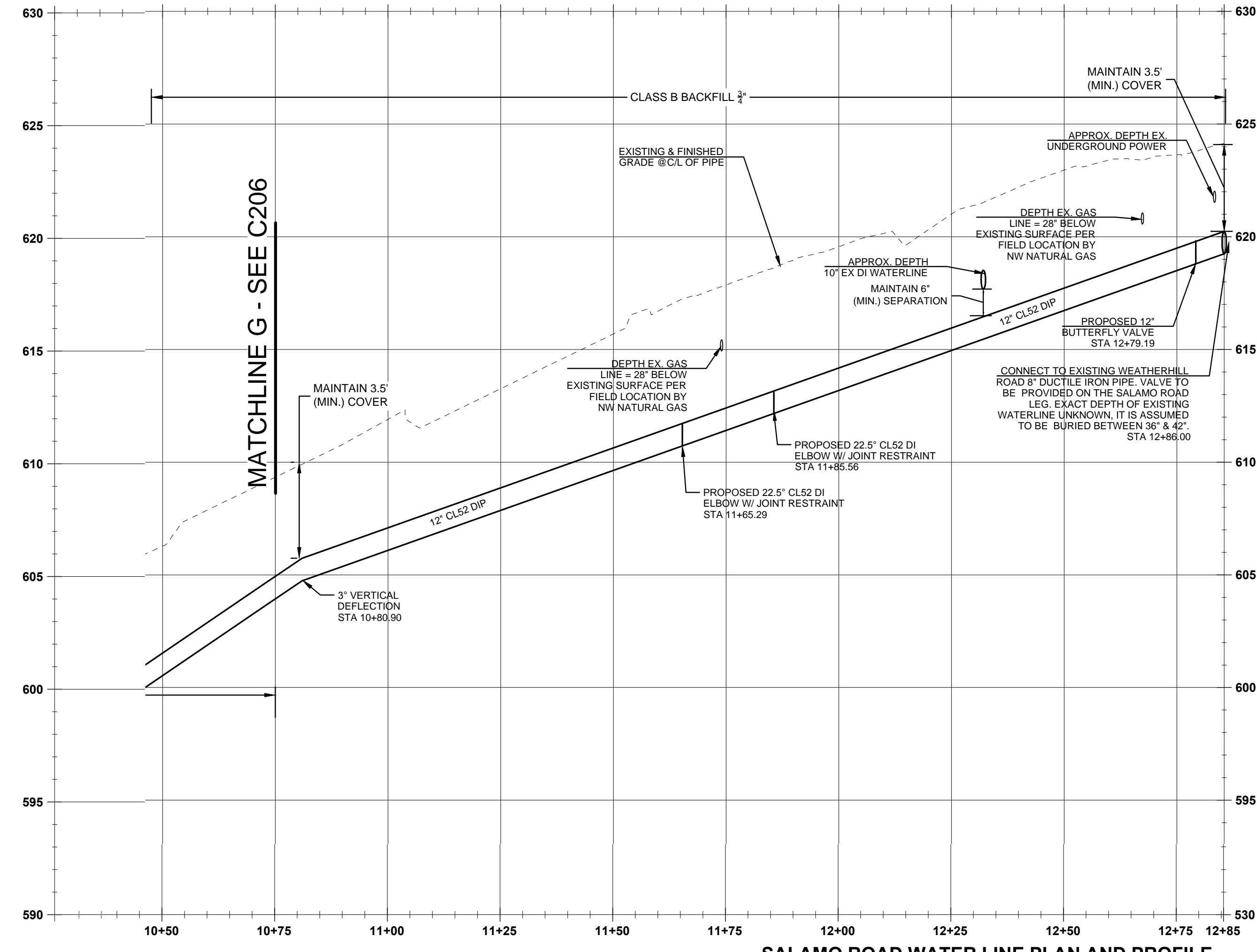
3J JOB ID # | 14192  
 LAND USE # |  
 TAX LOT #S |  
 DESIGNED BY | EIM  
 CHECKED BY | BKF

SHEET TITLE  
 SALAMO RD. P&P III  
 SHEET NUMBER

**C206**



**SALAMO ROAD WATER LINE PLAN VIEW**  
 Scale: 1 inch = 20 feet



**SALAMO ROAD WATER LINE PLAN AND PROFILE**  
 (STA: 10+50.00 - STA:12+85.00)  
 SCALE: HORIZ 1"=20'  
 VERT 1"=5'

**LEGEND**

---	BOUNDARY LINE	⊙	EXISTING STORM MANHOLE
---	RIGHT-OF-WAY	---	EXISTING CATCHBASIN
---	EXISTING CENTERLINE	---	PROPOSED RIGHT-OF-WAY
---	EXISTING EASEMENT LINE	---	PROPOSED LOT LINE
---	EXISTING LOT LINE	---	PROPOSED CENTERLINE
---	EXISTING CURB AND GUTTER	---	PROPOSED CURB AND GUTTER
SS	EXISTING SANITARY SEWER LINE	---	PROPOSED SIDEWALK
W	EXISTING WATER LINE	---	STORM DRAIN LINE AND MANHOLE
ST	EXISTING STORM LINE	---	STORM SEWER CURB INLET
---	EXISTING SIDEWALK	---	PROPOSED STREET LIGHT
⊙	EXISTING LIGHT POLE	---	PROPOSED RETAINING WALL
⊙	EXISTING FIRE HYDRANT	---	PROPOSED SANITARY LINE
⊙	EXISTING WATER METER	---	PROPOSED WATER LINE
⊙	EXISTING SANITARY MANHOLE	---	TREE PROTECTION FENCING

**WATER CONSTRUCTION NOTES**

- 102 12" CLASS 52 CEMENT LINED DUCTILE IRON PIPE
- 108 12" - 22.5" MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 111 12" BUTTERFLY VALVE, VALVE BOX & COVER, FLANGE X MECHANICAL JOINT, PER STD. DWG. WL-411
- 113 REMOVE AND RESET SIGN TO INSIDE EDGE OF PAVEMENT OF PROPOSED SIDEWALK ALONG WEATHERHILL ROAD.
- 115 8" X 8" X 8" FLANGED DUCTILE IRON REDUCING TEE PER CITY OF WEST LINN STANDARDS
- 117 INSTALL TREE PROTECTION FENCING, PER CITY STD. DWG. WL-219.
- 119 PROPOSED 12" CLASS 52 CEMENT LINED DUCTILE WATER MAIN CROSSES EXISTING GAS LINE. CONTRACTOR TO COORDINATE WITH NW NATURAL.
- 122 12" X 8" MJ REDUCER AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 123 CONNECT TO EXISTING 8" DUCTILE IRON PIPE. CONTRACTOR TO COORDINATE WITH CITY OF PUBLIC WORKS OPERATIONS FOR SHUTDOWN.
- 120 ADA RAMP TO BE CONSTRUCTED PER STD. DWG. WL-507A.
- 203 REMOVE AND REPLACE 4.50 LF CURB PER STD. DWG. WL-501  
STA 10+74.10 TO STA: 11+76.70
- 304 INSTALL NEW SIDEWALK 234.6 LF PER STD. DWG. WL-508  
STA 10+60.30 TO STA: 12+82.00

**GENERAL NOTES**

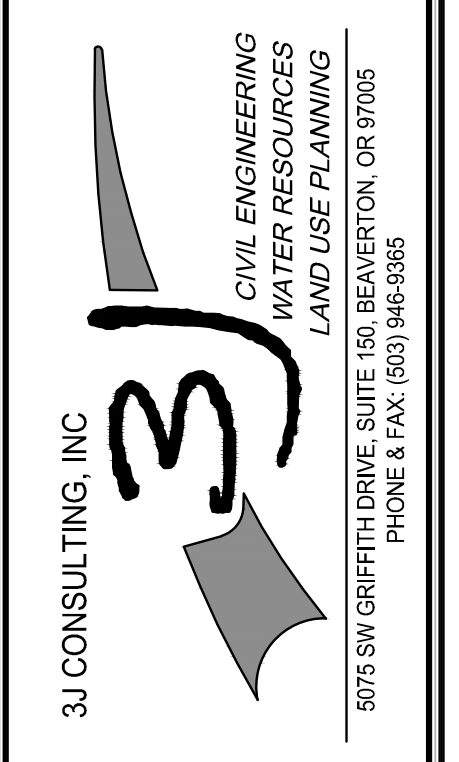
1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE CITY OF WEST LINN.
2. ALL WATER PIPE TO BE DUCTILE IRON PIPE UNLESS OTHERWISE NOTED.
3. WATER SYSTEM TO BE INSTALLED PER CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS.
4. MAINTAIN 10' MINIMUM HORIZONTAL CLEARANCE FROM WATER MAIN TO SEWER MAIN OR 5' MINIMUM HORIZONTAL CLEARANCE WITH AN 18" VERTICAL CLEARANCE FROM WATER MAIN TO SEWER MAIN.
5. SLOPES TO HAVE A MAXIMUM BACKFILL OF 2:1.
6. PROTECT ALL EXISTING UNDERGROUND UTILITIES.

**STREET NOTES**

1. STREET SUBGRADE SHALL CONFORM TO DIVISION 501 OF THE CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS. AREAS TO RECEIVE FILL ARE TO BE INSPECTED BY CITY OF WEST LINN PERSONNEL PRIOR TO PLACEMENT OF THE FILL. THE CONTRACTOR SHALL HAVE FILL AREAS TESTED FOR COMPACTION BY A CERTIFIED TESTING LAB IN ACCORDANCE WITH W.L.S.C.S. DIVISION 501.03.08. SUCH TESTING WILL BE AT THE CONTRACTOR'S EXPENSE.
2. AGGREGATE BASE ROCK SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 205. BASE COURSE SHALL BE 1-1/2" -0 CRUSHED ROCK AND LEVELING COURSE SHALL BE 3/4" -0. ALL UNDERGROUND UTILITIES INCLUDING LATERALS, SERVICES, AND POWER OR GAS CONDUITS WILL BE IN PLACE BEFORE SUBGRADE PROOF ROLL WILL TAKE PLACE.
3. ASPHALT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 205. 2" BASE LIFT SHALL BE CLASS 'B' A.C. AND 2" FINAL LIFT SHALL BE CLASS 'C' A.C. MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 505. THE TOP LIFT OF ASPHALT CONCRETE SHALL NOT BE PLACED PRIOR TO RECEIVING PERMISSION FROM THE CITY OF WEST LINN ENGINEERING DEPARTMENT.
4. CONSTRUCT CURB AND GUTTER USING 3300 PSI CONCRETE MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 205 (AFTER 28 DAYS) WITH MAXIMUM 1-1/2" AGGREGATE SIZE. CONTRACTION JOINTS AT 15' MAXIMUM ON CENTERS. THREE INCH WEEPHOLES ARE TO BE INSTALLED ON ALL LOTS UP HILL OR EVEN WITH THE STREET. GENERALLY, WEEPHOLES SHALL BE LOCATED AT THE CENTER AND LOWEST EDGE OF CURB FOR EACH LOT. CONTRACTOR SHALL STAMP LOCATION OF SEWER AND WATER CROSSINGS WITH AN (S) OR A (W). A PROOF ROLL OF THE CURBLINES IS REQUIRED PRIOR TO POURING CURBS.
5. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.

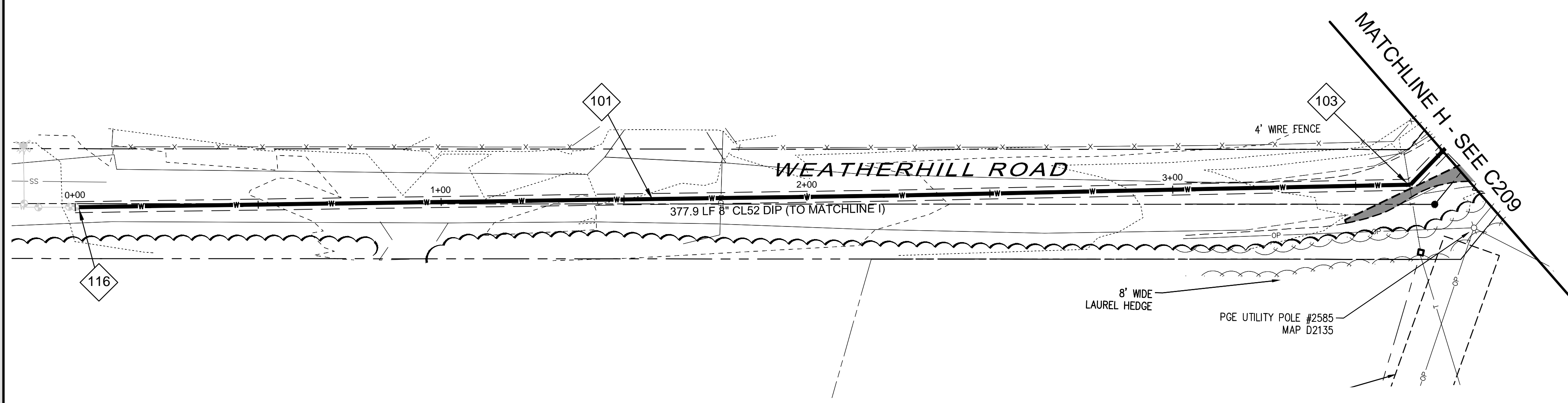
CONSTRUCTION DOCUMENTS 06/12/14  
 REVISION SUMMARY  
 DATE BY

SALAMO ROAD PLAN AND PROFILE IV  
 CITY OF WEST LINN  
 WATER TRANSMISSION MAIN  
 WEST LINN, OR

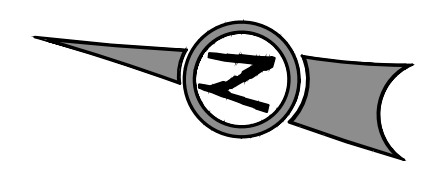
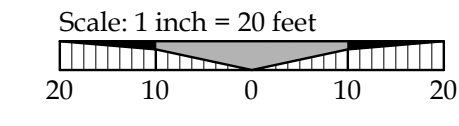


3J JOB ID # 114192  
 LAND USE # |  
 TAX LOT #'S |  
 DESIGNED BY | EIM  
 CHECKED BY | BKF

SHEET TITLE  
**SALAMO RD. P&P IV**  
 SHEET NUMBER  
**C207**



**WEATHERHILL ROAD WATER LINE PLAN VIEW**



LEGEND	
	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	PROPOSED RIGHT-OF-WAY
	PROPOSED LOT LINE
	PROPOSED CENTERLINE
	PROPOSED CURB AND GUTTER
	PROPOSED SIDEWALK
	STORM DRAIN LINE AND MANHOLE
	STORM SEWER CURB INLET
	PROPOSED STREET LIGHT
	PROPOSED RETAINING WALL
	PROPOSED SANITARY LINE
	PROPOSED WATER LINE
	TREE PROTECTION FENCING
	BOUNDARY LINE
	RIGHT-OF-WAY
	EXISTING CENTERLINE
	EXISTING EASEMENT LINE
	EXISTING LOT LINE
	EXISTING CURB AND GUTTER
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM LINE
	EXISTING SIDEWALK
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING SANITARY MANHOLE

**WATER CONSTRUCTION NOTES**

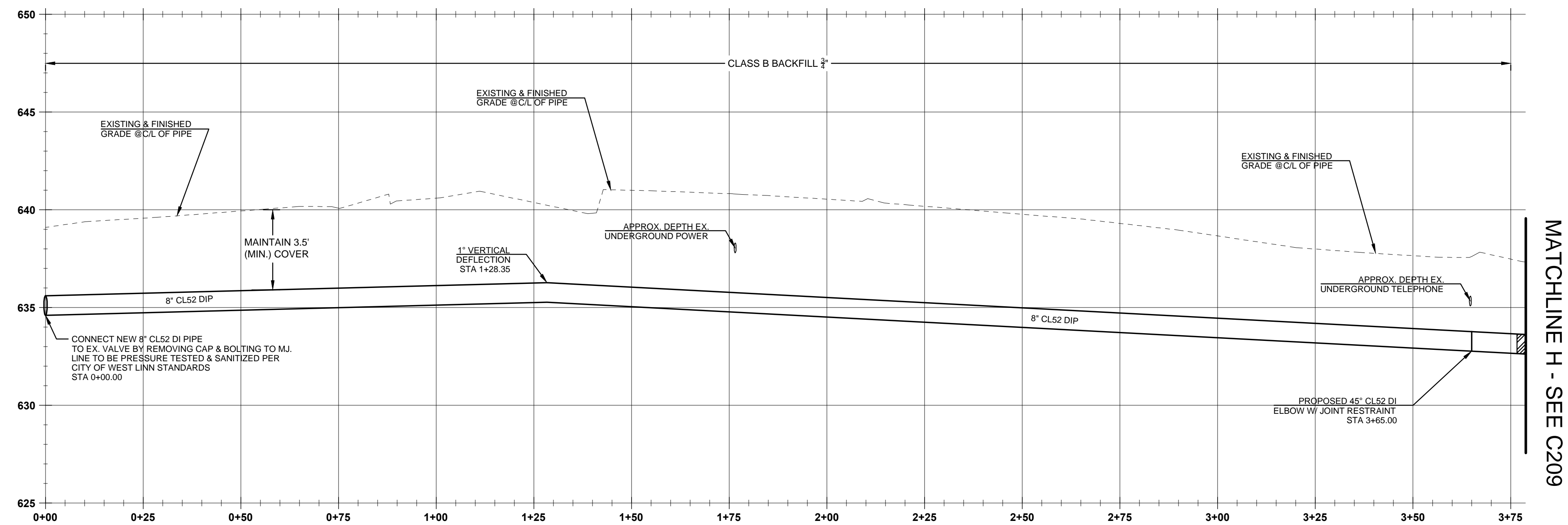
- 101 8" CLASS 52 CEMENT LINED DUCTILE IRON PIPE
- 103 8" - 45° MJ ELBOW, RESTRAINED JOINT AS REQUIRED PER CITY OF WEST LINN STANDARDS
- 106 8" GATE VALVE, VALVE BOX & COVER, FLANGE X MECHANICAL JOINT, PER DETAIL WL-411
- 116 REMOVE EXISTING BLOW-OFF ASSEMBLY AND CONNECT TO EXISTING 8" DI WATER LINE

**GENERAL NOTES**

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE CITY OF WEST LINN.
2. ALL WATER PIPE TO BE DUCTILE IRON PIPE UNLESS OTHERWISE NOTED.
3. WATER SYSTEM TO BE INSTALLED PER CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS.
4. MAINTAIN 10' MINIMUM HORIZONTAL CLEARANCE FROM WATER MAIN TO SEWER MAIN OR 5' MINIMUM HORIZONTAL CLEARANCE WITH AN 18" VERTICAL CLEARANCE FROM WATER MAIN TO SEWER MAIN.
5. PROTECT ALL EXISTING UNDERGROUND UTILITIES.

**STREET NOTES**

1. STREET SUBGRADE SHALL CONFORM TO DIVISION 501 OF THE CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS. AREAS TO RECEIVE FILL ARE TO BE INSPECTED BY CITY OF WEST LINN PERSONNEL PRIOR TO PLACEMENT OF THE FILL. THE CONTRACTOR SHALL HAVE FILL AREAS TESTED FOR COMPACTION BY A CERTIFIED TESTING LAB IN ACCORDANCE WITH W.L.S.C.S. DIVISION 501.03.08. SUCH TESTING WILL BE AT THE CONTRACTOR'S EXPENSE.
2. AGGREGATE BASE ROCK SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 205. BASE COURSE SHALL BE 1-1/2" -0 CRUSHED ROCK AND LEVELING COURSE SHALL BE 3/4" -0.. ALL UNDERGROUND UTILITIES INCLUDING LATERALS, SERVICES, AND POWER OR GAS CONDUITS WILL BE IN PLACE BEFORE SUBGRADE PROOF ROLL WILL TAKE PLACE.
3. ASPHALT CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF W.L.S.C.S. DIVISION 205. 2" BASE LIFT SHALL BE CLASS "B" A.C. AND 2" FINAL LIFT SHALL BE CLASS "C" A.C. MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 505. THE TOP LIFT OF ASPHALT CONCRETE SHALL NOT BE PLACED PRIOR TO RECEIVING PERMISSION FROM THE CITY OF WEST LINN ENGINEERING DEPARTMENT.
4. CONSTRUCT CURB AND GUTTER USING 3300 PSI CONCRETE MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 205 (AFTER 28 DAYS) WITH MAXIMUM 1-1/2" AGGREGATE SIZE. CONTRACTION JOINTS AT 15' MAXIMUM ON CENTERS. THREE INCH WEEPHOLES ARE TO BE INSTALLED ON ALL LOTS UPHILL OR EVEN WITH THE STREET. GENERALLY, WEEPHOLES SHALL BE LOCATED AT THE CENTER AND LOWEST EDGE OF CURB FOR EACH LOT. CONTRACTOR SHALL STAMP LOCATION OF SEWER AND WATER CROSSINGS WITH AN (S) OR (A) (W). A PROOF ROLL OF THE CURBLINES IS REQUIRED PRIOR TO POURING CURBS.
5. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.



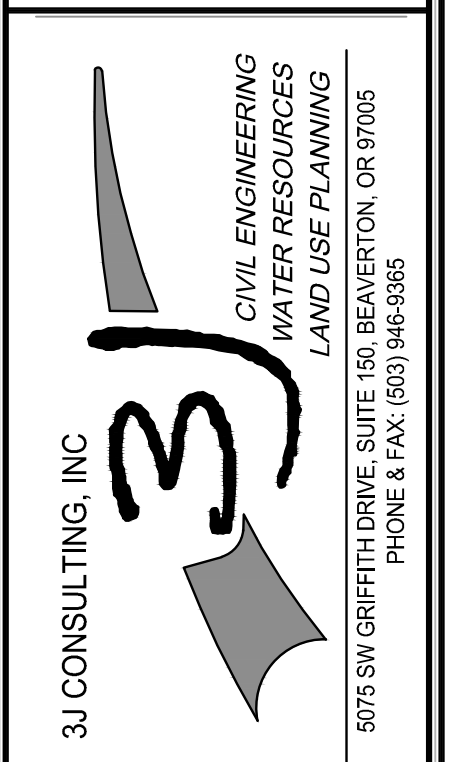
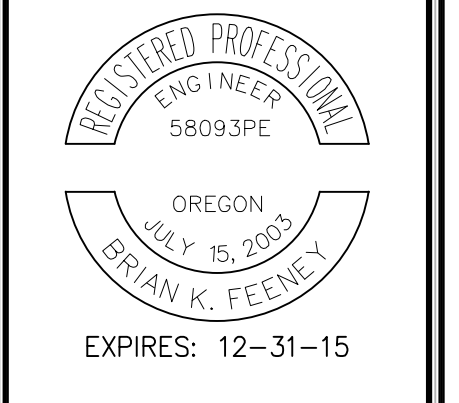
**WEATHERHILL ROAD WATER LINE PLAN AND PROFILE**

(STA:0+00.00 - STA:3+75.00)

SCALE: HORIZ 1"=20'  
VERT 1"=5'

CONSTRUCTION DOCUMENTS 06/12/14  
REVISION SUMMARY  
DATE  
BY

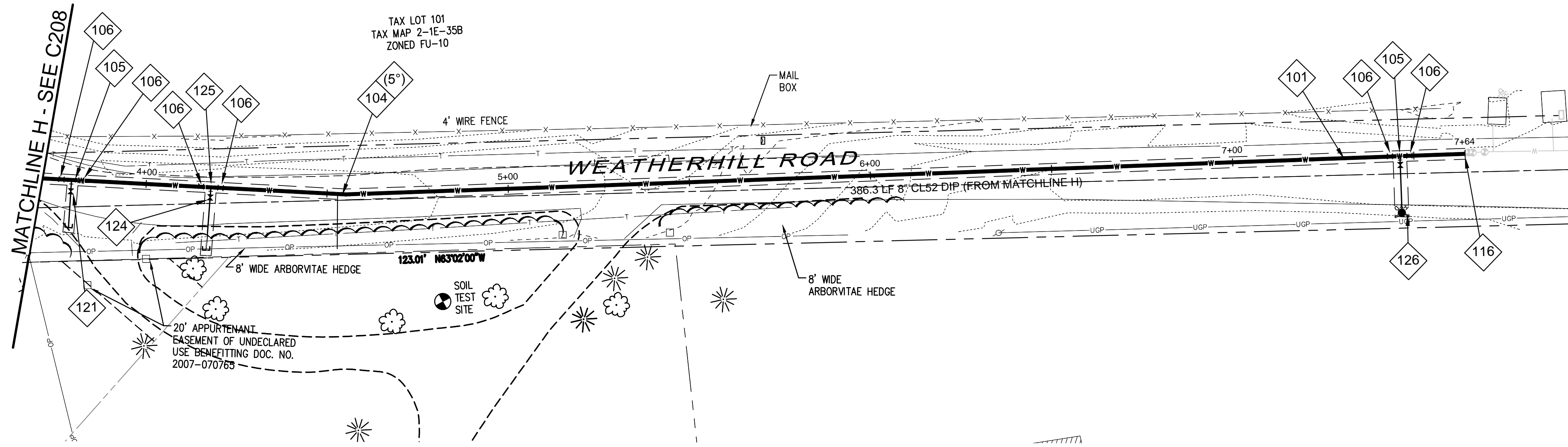
WEATHERHILL ROAD PLAN AND PROFILE I  
CITY OF WEST LINN  
WATER TRANSMISSION MAIN  
WEST LINN, OR



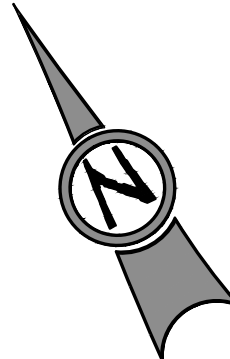
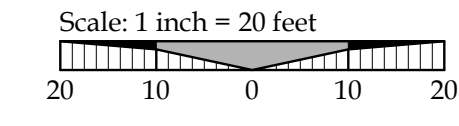
3J JOB ID # | 14192  
LAND USE # |  
TAX LOT #S |  
DESIGNED BY | EIM  
CHECKED BY | BKF

SHEET TITLE  
WEATHERHILL RD. P&P I

SHEET NUMBER  
**C208**



**WEATHERHILL ROAD WATER LINE PLAN VIEW**



LEGEND	
	EXISTING STORM MANHOLE
	EXISTING CATCHBASIN
	PROPOSED RIGHT-OF-WAY
	PROPOSED LOT LINE
	PROPOSED CENTERLINE
	PROPOSED CURB AND GUTTER
	PROPOSED SIDEWALK
	STORM DRAIN LINE AND MANHOLE
	STORM SEWER CURB INLET
	PROPOSED STREET LIGHT
	PROPOSED RETAINING WALL
	PROPOSED SANITARY LINE
	PROPOSED WATER LINE
	TREE PROTECTION FENCING
	BOUNDARY LINE
	RIGHT-OF-WAY
	EXISTING CENTERLINE
	EXISTING EASEMENT LINE
	EXISTING LOT LINE
	EXISTING CURB AND GUTTER
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING STORM LINE
	EXISTING SIDEWALK
	EXISTING LIGHT POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING SANITARY MANHOLE

**WATER CONSTRUCTION NOTES**

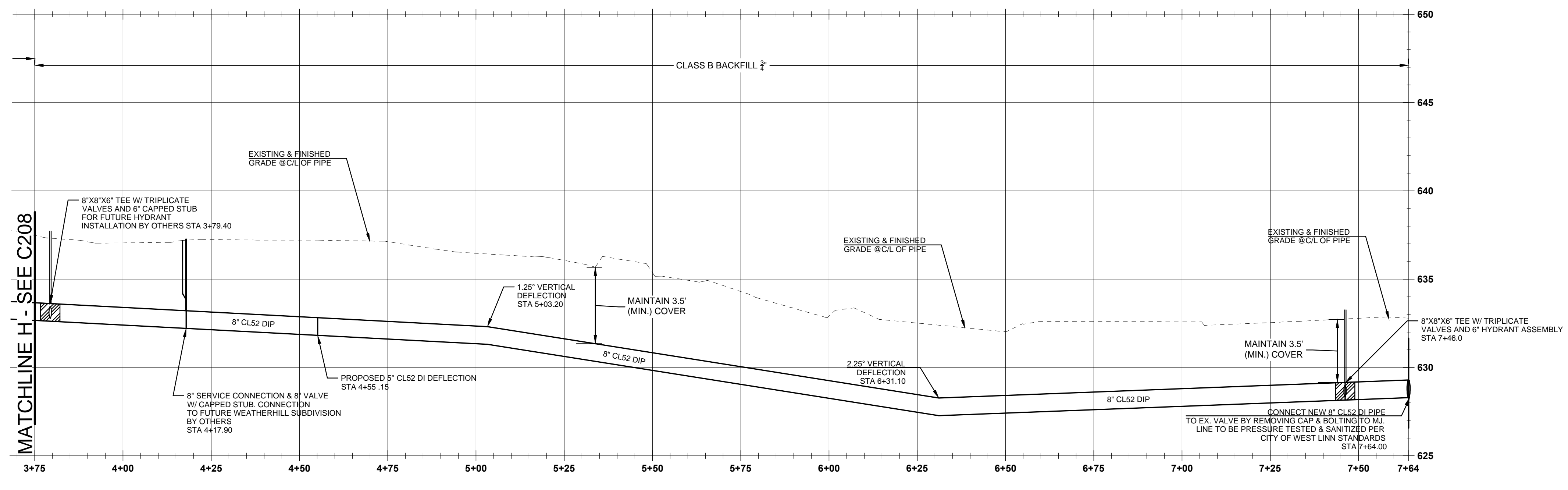
- 101 8" CLASS 52 CEMENT LINED DUCTILE IRON PIPE
- 104 5" MAXIMUM DEFLECTION IN 8" DI PIPE JOINT.
- 105 8"X8"X6" FLANGED DUCTILE IRON REDUCING TEE
- 106 8" GATE VALVE, VALVE BOX & COVER, FLANGE X MECHANICAL JOINT, PER DETAIL WL-411
- 116 REMOVE EXISTING BLOW-OFF ASSEMBLY AND CONNECT TO EXISTING 8" DUCTILE IRON PIPE. CONTRACTOR TO COORDINATE WITH CITY OF PUBLIC WORKS OPERATIONS FOR SHUTDOWN.
- 121 INSTALL 6" WATER VALVE AND CAP WATER LINE.
- 124 INSTALL 8" WATER VALVE AND CAP WATER LINE.
- 125 8"X8"X8" FLANGED DUCTILE IRON TEE.
- 126 INSTALL HYDRANT ASSEMBLY PER CITY OF WEST LINN STANDARD DRAWING NO. 401

**GENERAL NOTES**

1. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION AT NO COST TO THE CITY OF WEST LINN.
2. ALL WATER PIPE TO BE DUCTILE IRON PIPE UNLESS OTHERWISE NOTED.
3. WATER SYSTEM TO BE INSTALLED PER CITY OF WEST LINN STANDARD CONSTRUCTION SPECIFICATIONS.
4. MAINTAIN 10' MINIMUM HORIZONTAL CLEARANCE FROM WATER MAIN TO SEWER MAIN OR 5' MINIMUM HORIZONTAL CLEARANCE WITH AN 18" VERTICAL CLEARANCE FROM WATER MAIN TO SEWER MAIN.
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4. CONSTRUCT CURB AND GUTTER USING 3300 PSI CONCRETE MEETING THE SPECIFICATIONS OF W.L.S.C.S. DIVISION 205 (AFTER 28 DAYS) WITH MAXIMUM 1-1/2" AGGREGATE SIZE. CONTRACTION JOINTS AT 15' MAXIMUM ON CENTERS. THREE INCH WEEPHOLES ARE TO BE INSTALLED ON ALL LOTS UPHILL OR EVEN WITH THE STREET. GENERALLY, WEEPHOLES SHALL BE LOCATED AT THE CENTER AND LOWEST EDGE OF CURB FOR EACH LOT. CONTRACTOR SHALL STAMP LOCATION OF SEWER AND WATER CROSSINGS WITH AN (S) OR A (W). A PROOF ROLL OF THE CURBLINES IS REQUIRED PRIOR TO POURING CURBS.
5. ALL MATERIALS, INSTALLATION, TESTS, AND INSPECTIONS TO BE IN STRICT ACCORDANCE WITH CITY OF WEST LINN PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS.



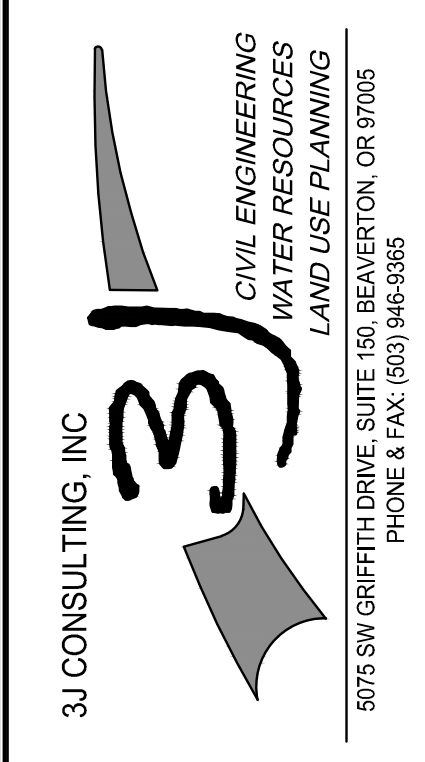
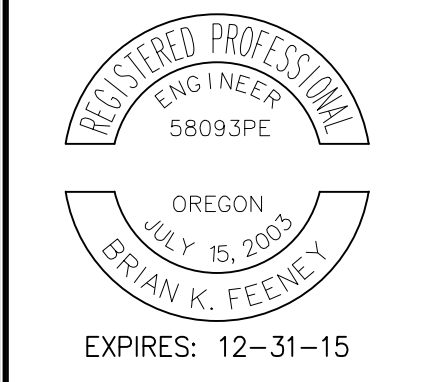
**WEATHERHILL ROAD WATER LINE PLAN AND PROFILE**

(STA: 3+75.00 - STA:7+64.00)

SCALE: HORIZ 1"=20'  
VERT 1"=5'

CONSTRUCTION DOCUMENTS 06/12/14  
REVISION SUMMARY  
BY DATE

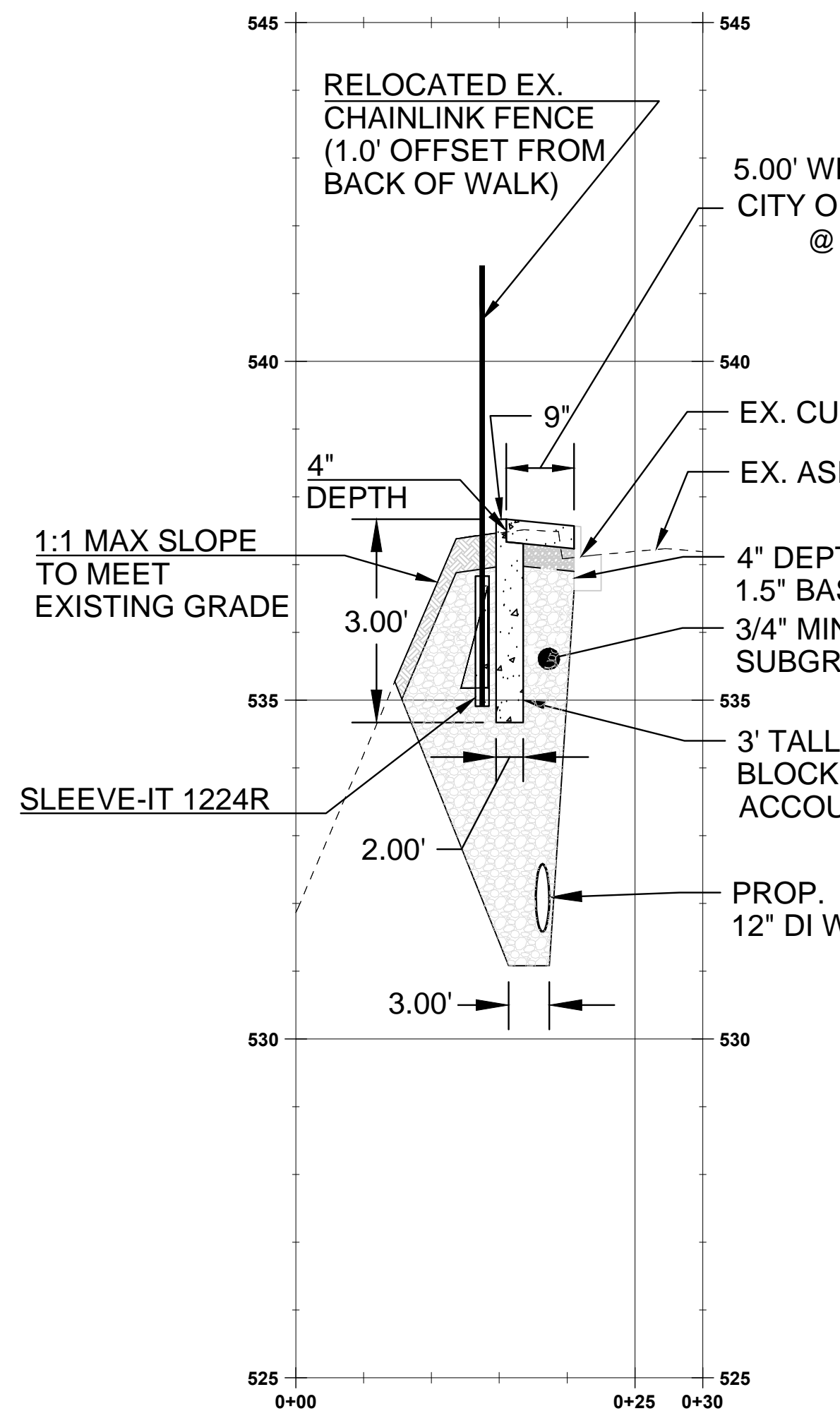
WEATHERHILL ROAD PLAN AND PROFILE II  
CITY OF WEST LINN  
WATER TRANSMISSION MAIN  
WEST LINN, OR



3J JOB ID # | 14192  
LAND USE # |  
TAX LOT #S |  
DESIGNED BY | EIM  
CHECKED BY | BKF  
SHEET TITLE  
WEATHERHILL RD. P&P II  
SHEET NUMBER

**C209**

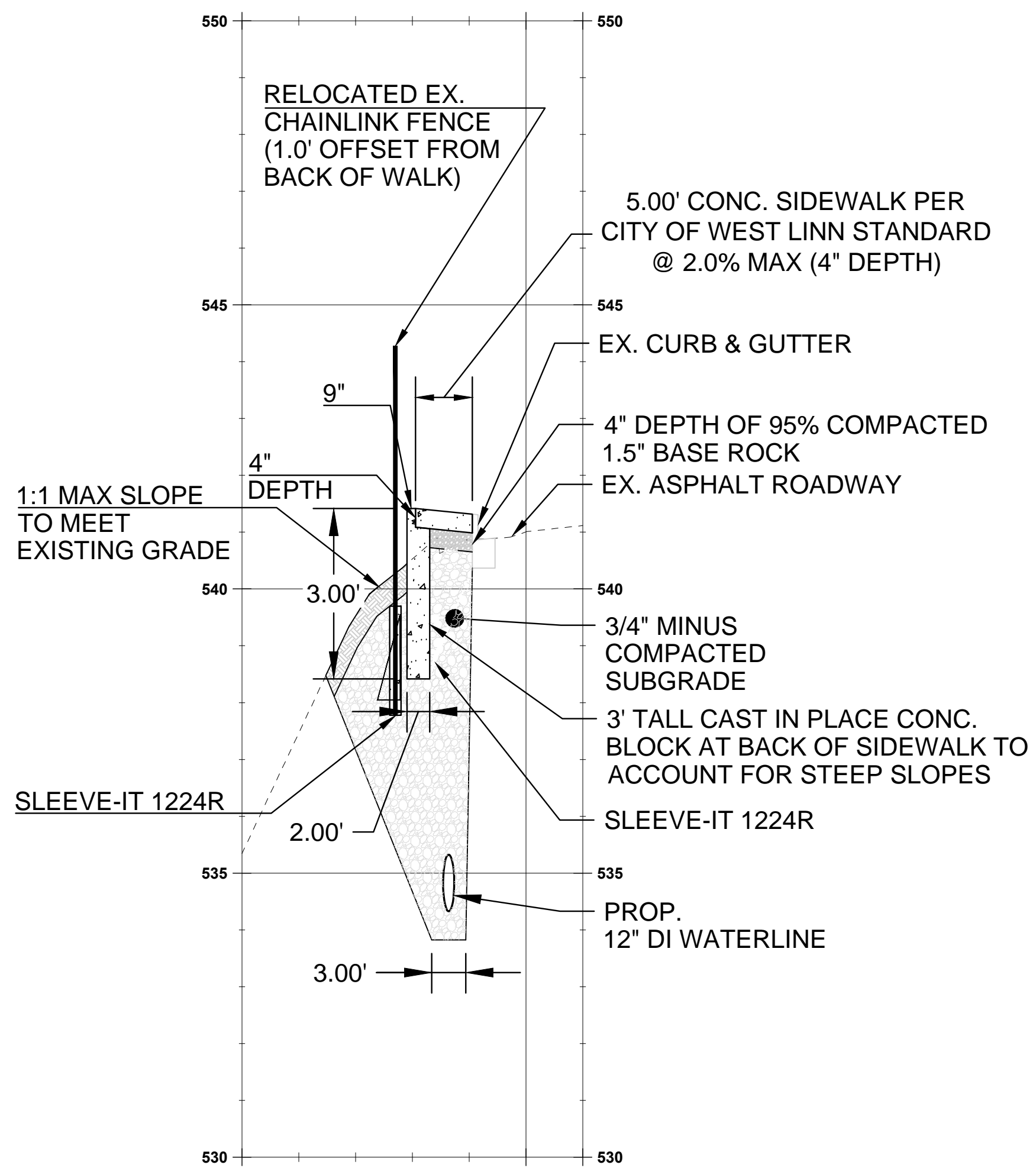




**SALAMO ROAD SIDEWALK CROSS SECTION A-A**

(STA: 0+00.00 - STA:0+30.00)

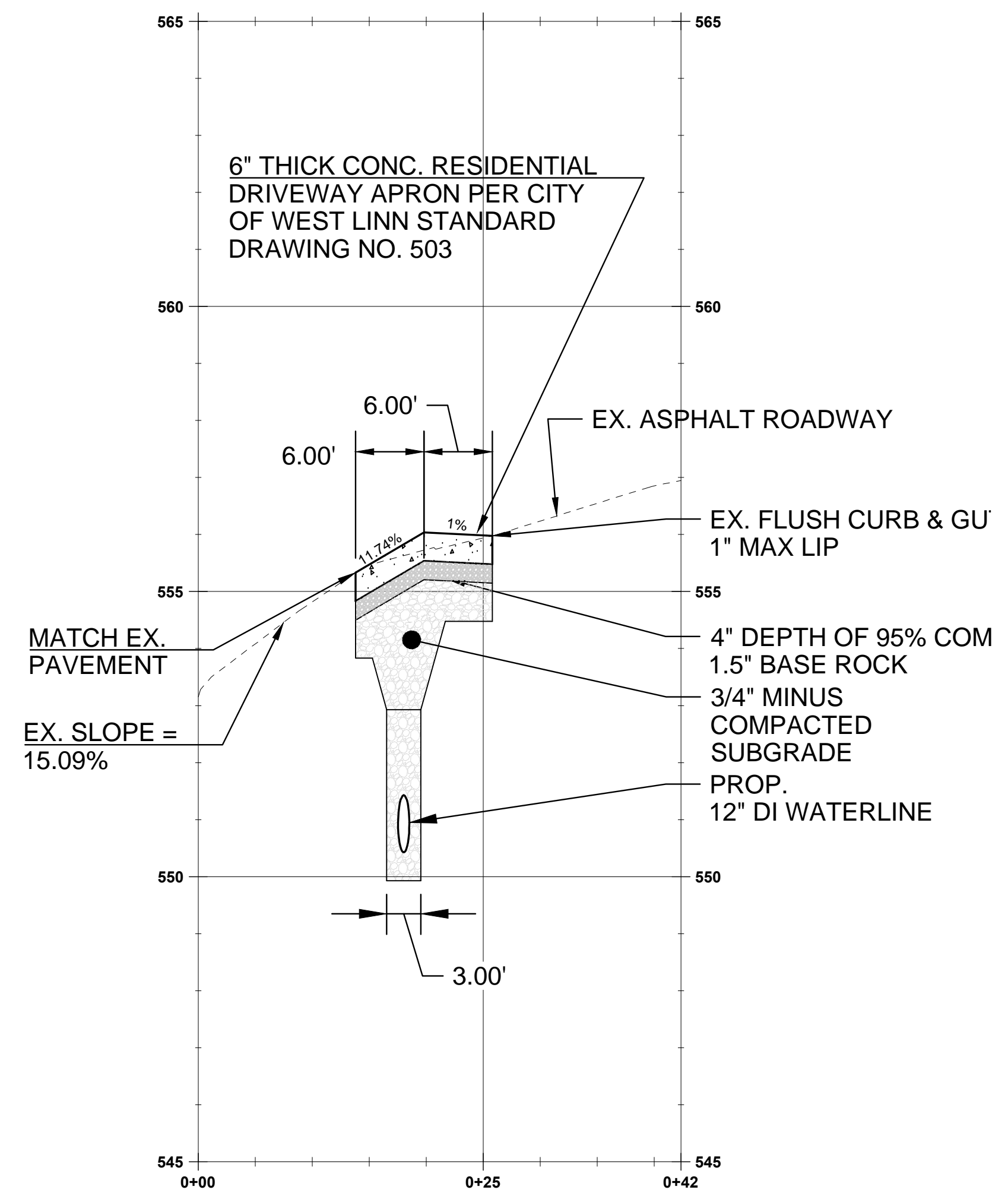
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VERT 1"=2.5'



**SALAMO ROAD SIDEWALK CROSS SECTION B-B**

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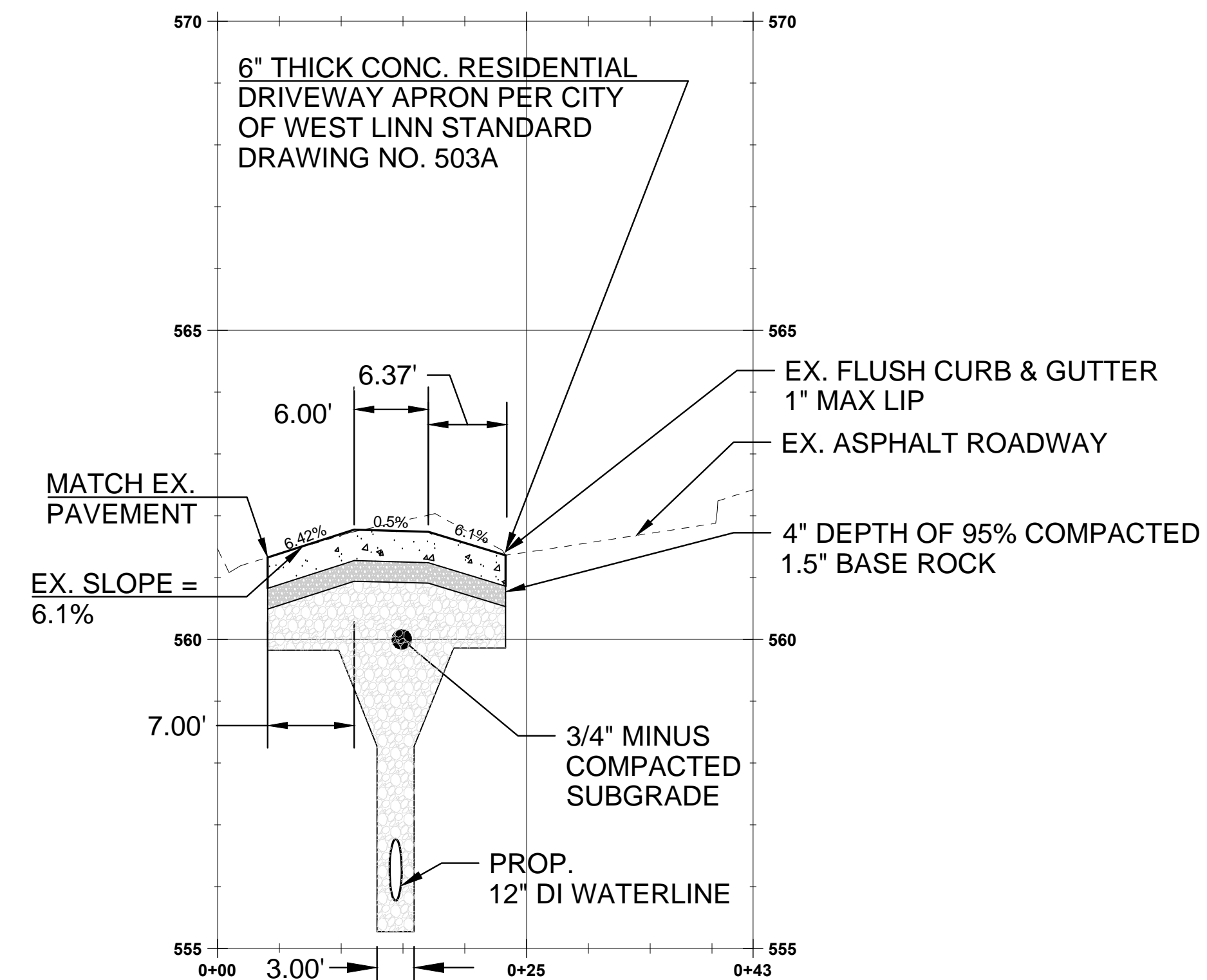
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VERT 1"=2.5'



**SALAMO ROAD DRIVEWAY CROSS SECTION C-C**

(STA: 0+00.00 - STA:0+42.00)

SCALE: HORIZ 1"=10'  
VERT 1"=2.5'



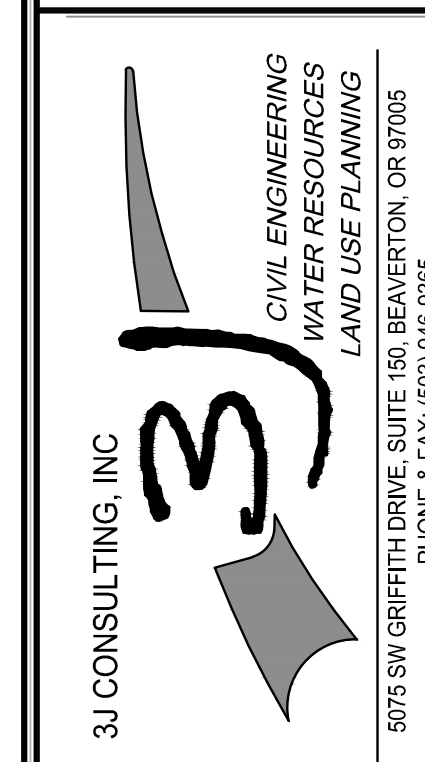
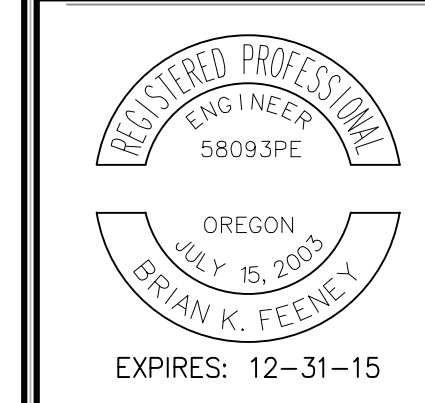
**SALAMO ROAD DRIVEWAY CROSS SECTION D-D**

(STA: 0+00.00 - STA:0+43.00)

SCALE: HORIZ 1"=10'  
VERT 1"=2.5'

CONSTRUCTION DOCUMENTS 06/12/14  
REVISION SUMMARY  
BY DATE

SIDEWALK & DRIVEWAY CROSS SECTIONS  
CITY OF WEST LINN  
WATER TRANSMISSION MAIN  
WEST LINN, OR

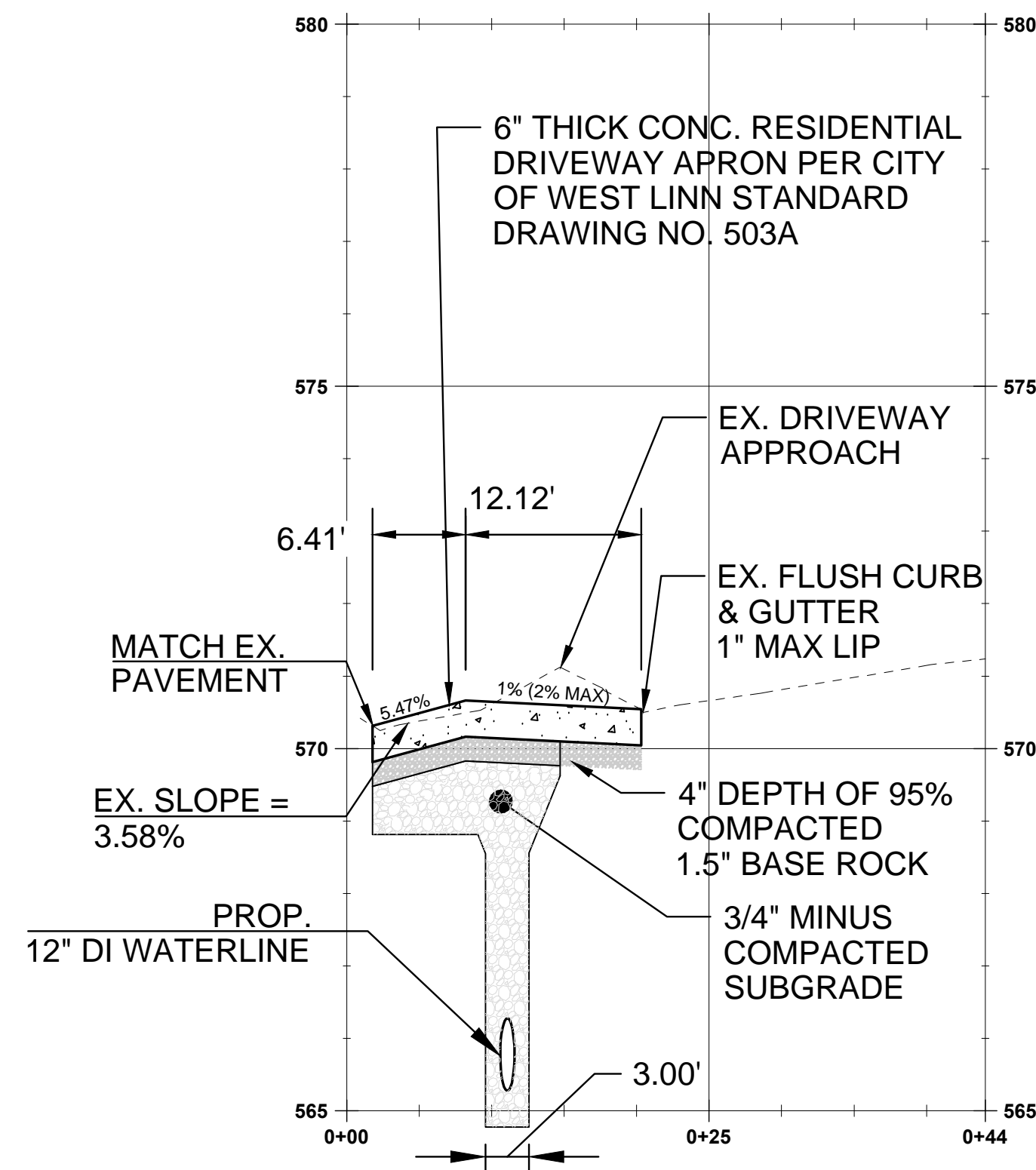


3J JOB ID # | 14192  
LAND USE # |  
TAX LOT #S |  
DESIGNED BY | EIM  
CHECKED BY | BKF

SHEET TITLE  
SDWK & DR. CROSS.

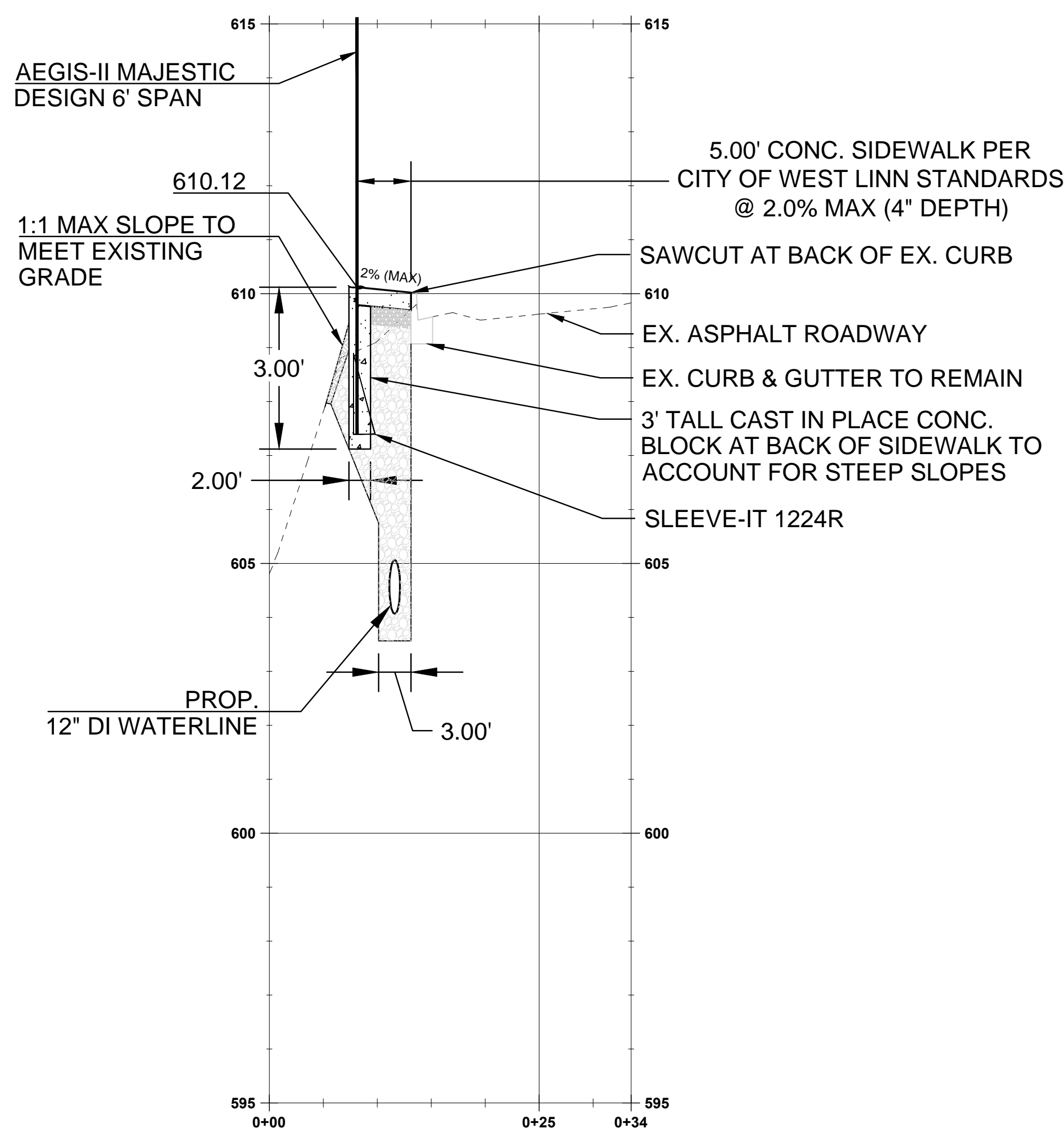
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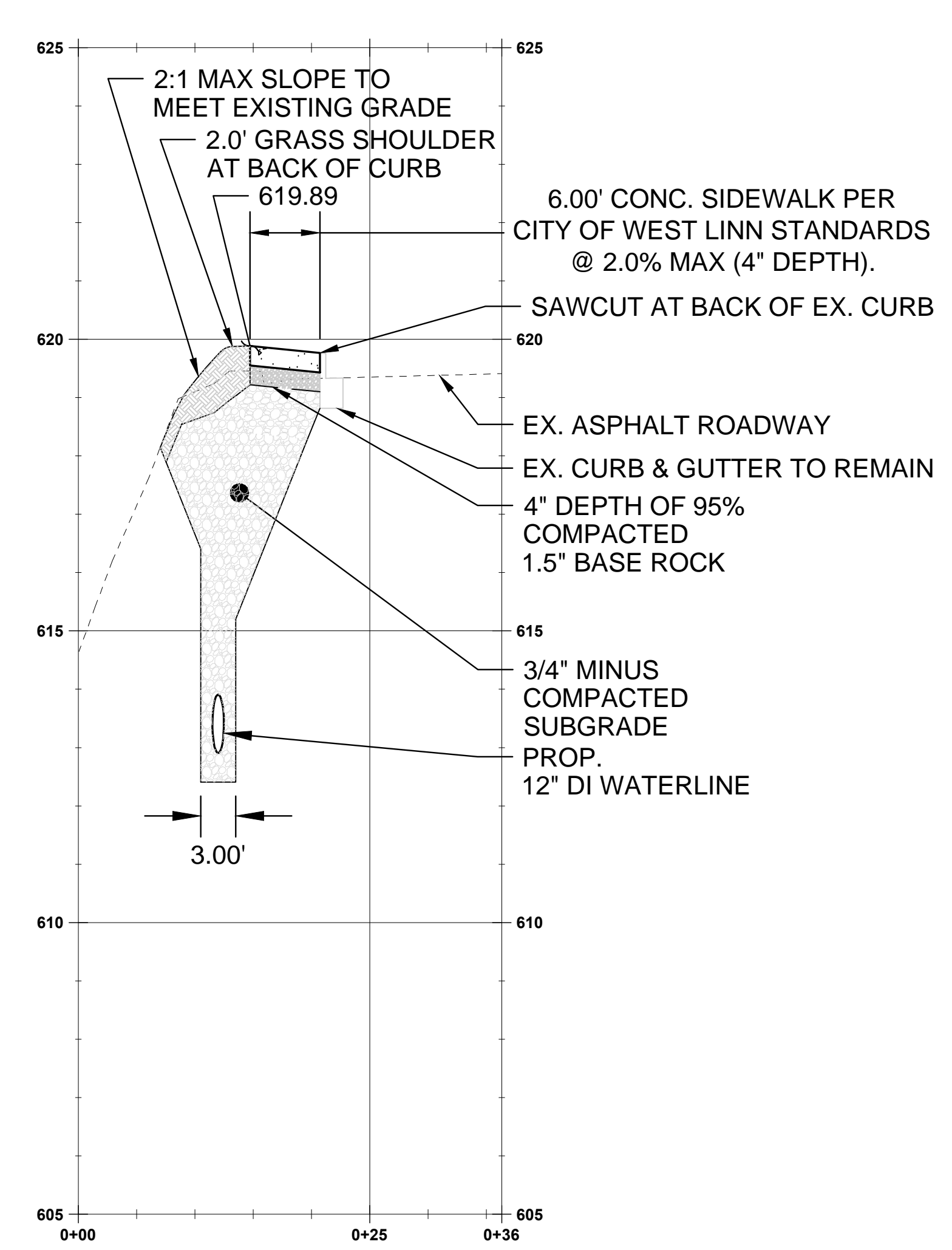
**SALAMO ROAD SIDEWALK CROSS SECTION E-E**

(STA: 0+00.00 - STA:0+44.00)  
 SCALE: HORIZ 1"=10'  
 VERT 1"=2.5'



**SALAMO ROAD SIDEWALK CROSS SECTION F-F**

(STA: 0+00.00 - STA:0+34.00)  
 SCALE: HORIZ 1"=10'  
 VERT 1"=2.5'

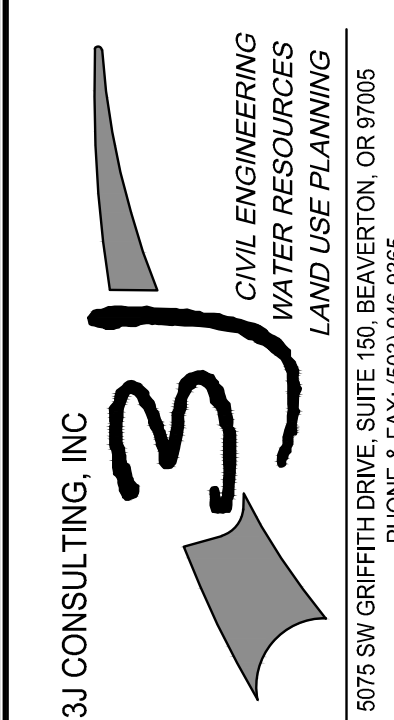


**SALAMO ROAD SIDEWALK CROSS SECTION G-G**

(STA: 0+00.00 - STA:0+36.00)  
 SCALE: HORIZ 1"=10'  
 VERT 1"=2.5'

CONSTRUCTION DOCUMENTS	06/12/14
REVISION SUMMARY	BY DATE

SIDEWALK & DRIVEWAY CROSS SECTIONS  
 CITY OF WEST LINN  
 WATER TRANSMISSION MAIN  
 WEST LINN, OR

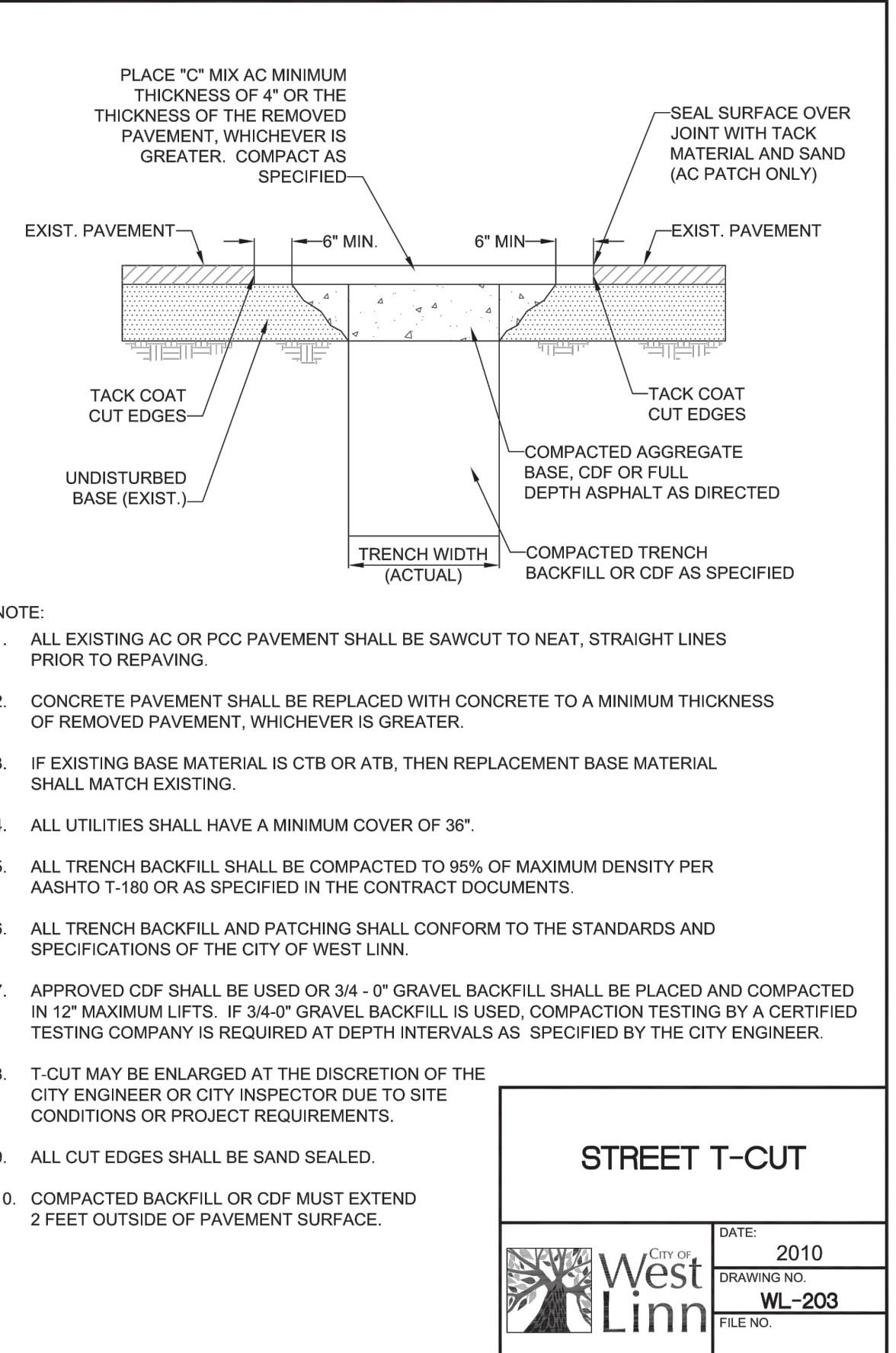


3J JOB ID # | 14192  
 LAND USE # |  
 TAX LOT #S |  
 DESIGNED BY | EIM  
 CHECKED BY | BKF

SHEET TITLE  
 SDWK & DR. CROSS.  
 SHEET NUMBER

**C301**

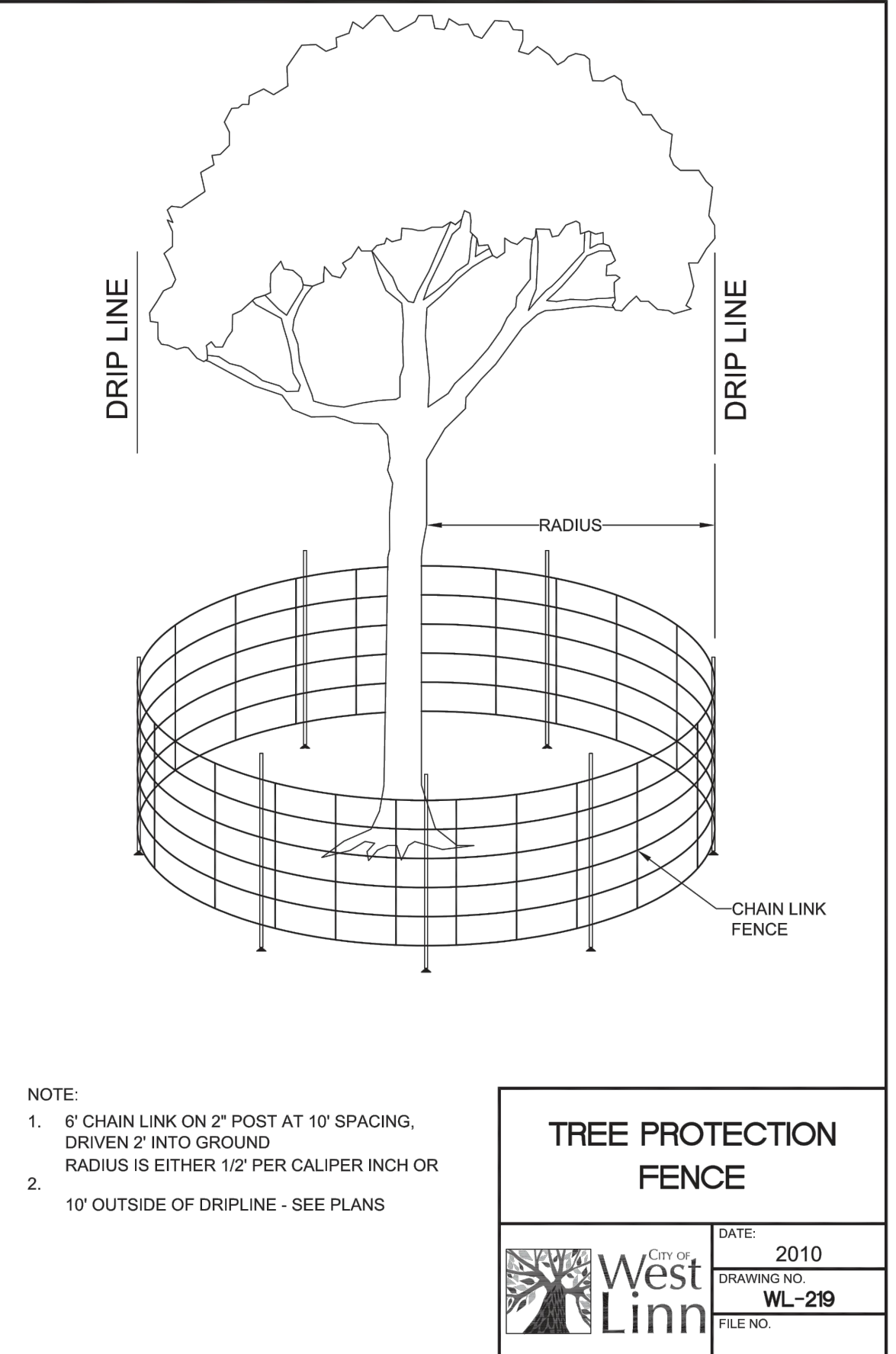
THIS DETAIL DRAWING SHALL NOT BE ALTERED OR CHANGED IN ANY MANNER EXCEPT BY THE CITY ENGINEER. IT IS THE RESPONSIBILITY OF THE USER TO ACQUIRE THE MOST CURRENT VERSION OF THE DETAIL.



**STREET T-CUT**

DATE:	2010
DRAWING NO.	WL-203
FILE NO.	

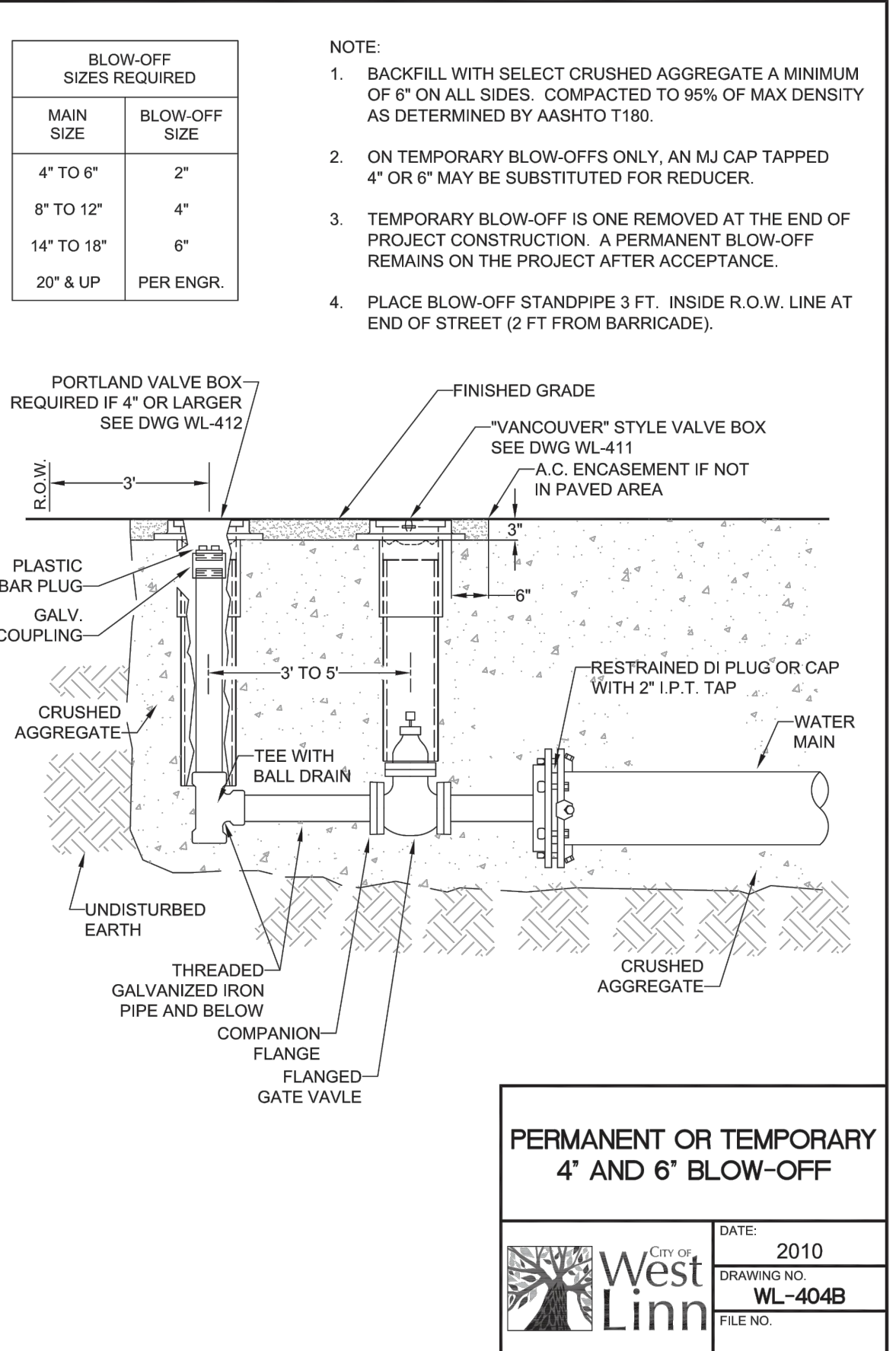
THIS DETAIL DRAWING SHALL NOT BE ALTERED OR CHANGED IN ANY MANNER EXCEPT BY THE CITY ENGINEER. IT IS THE RESPONSIBILITY OF THE USER TO ACQUIRE THE MOST CURRENT VERSION OF THE DETAIL.



**TREE PROTECTION FENCE**

DATE:	2010
DRAWING NO.	WL-219
FILE NO.	

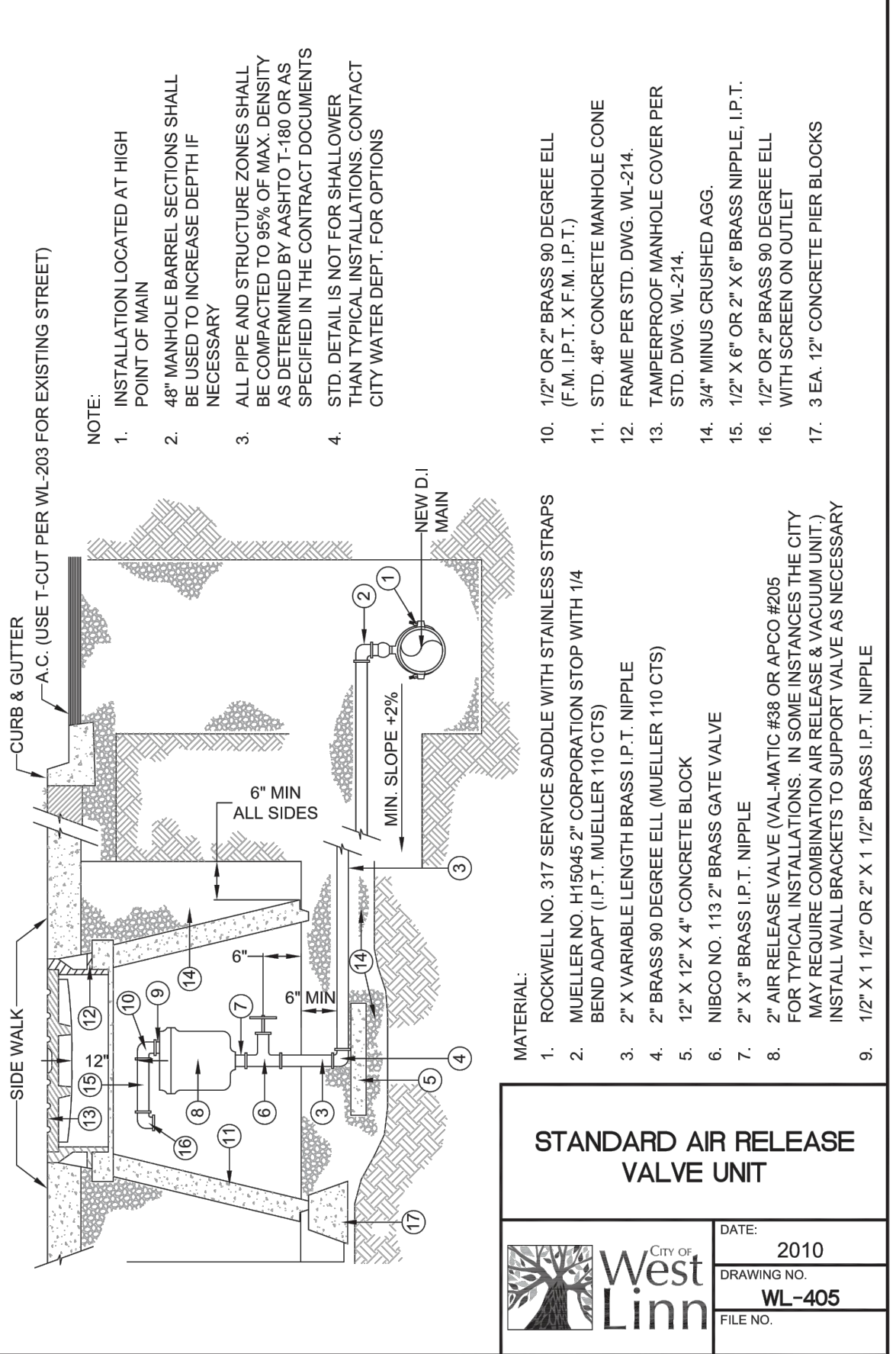
THIS DETAIL DRAWING SHALL NOT BE ALTERED OR CHANGED IN ANY MANNER EXCEPT BY THE CITY ENGINEER. IT IS THE RESPONSIBILITY OF THE USER TO ACQUIRE THE MOST CURRENT VERSION OF THE DETAIL.



**PERMANENT OR TEMPORARY 4" AND 6" BLOW-OFF**

DATE:	2010
DRAWING NO.	WL-404B
FILE NO.	

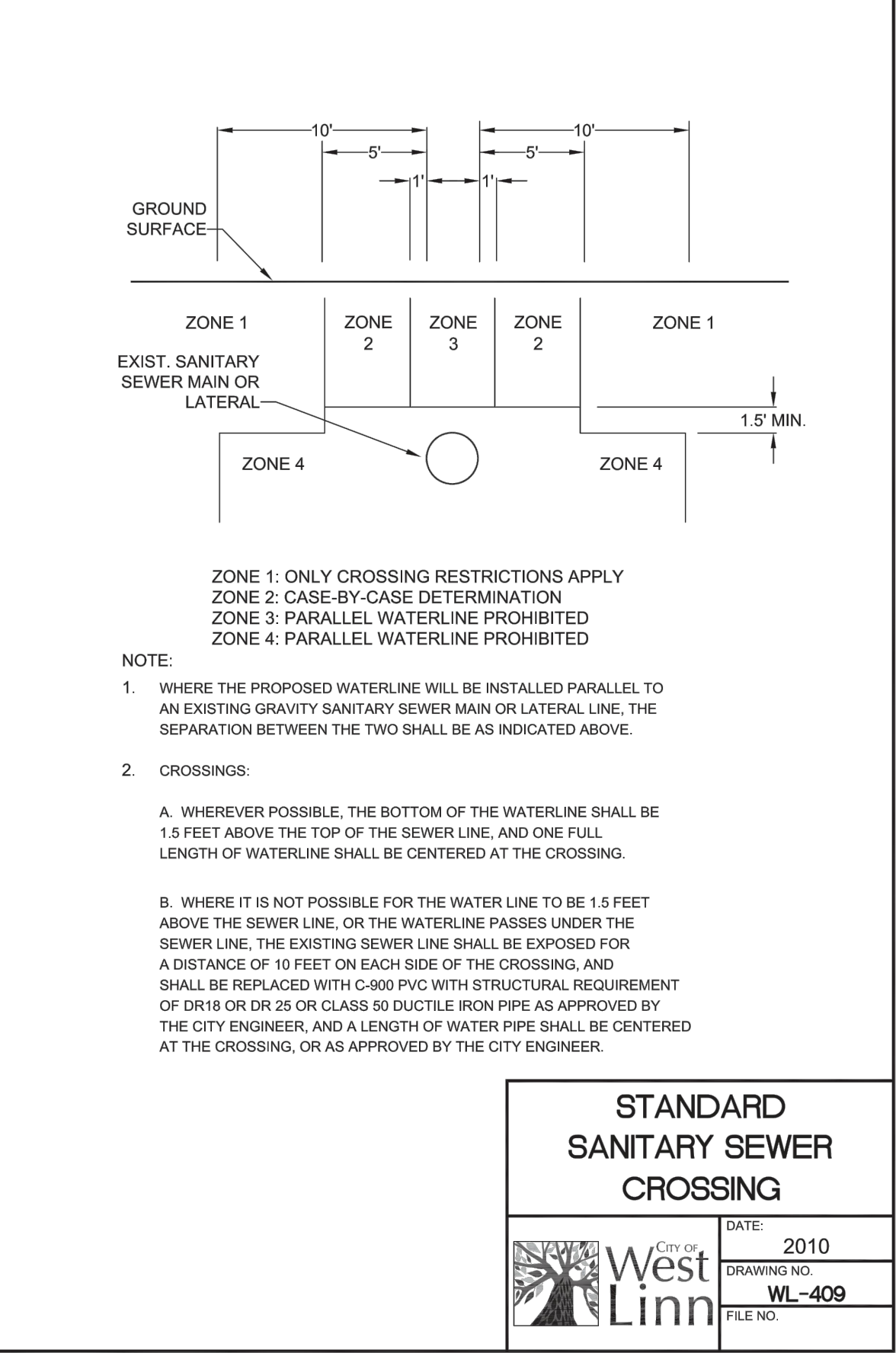
THIS DETAIL DRAWING SHALL NOT BE ALTERED OR CHANGED IN ANY MANNER EXCEPT BY THE CITY ENGINEER. IT IS THE RESPONSIBILITY OF THE USER TO ACQUIRE THE MOST CURRENT VERSION OF THE DETAIL.



**STANDARD AIR RELEASE VALVE UNIT**

DATE:	2010
DRAWING NO.	WL-405
FILE NO.	

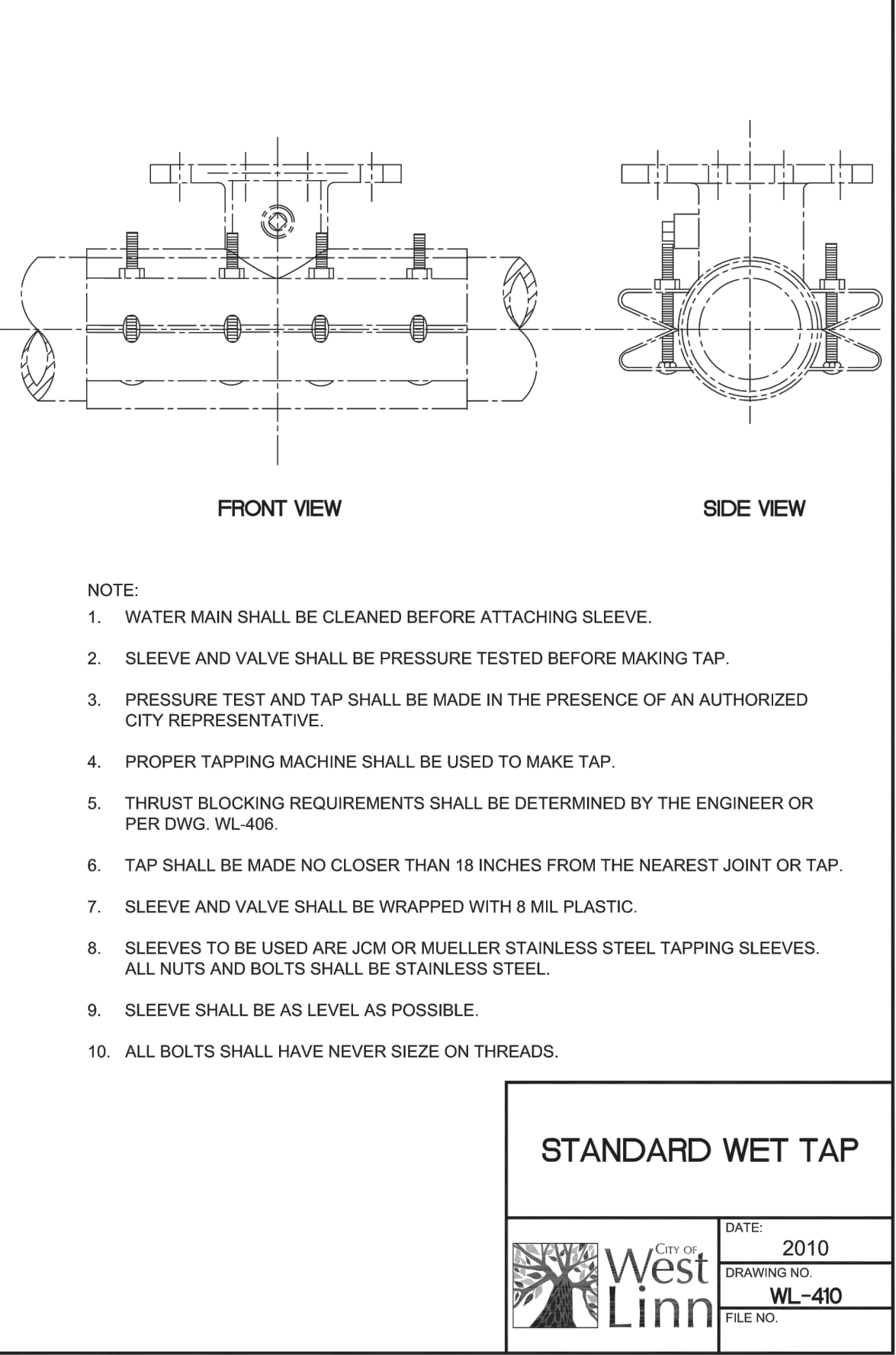
THIS DETAIL DRAWING SHALL NOT BE ALTERED OR CHANGED IN ANY MANNER EXCEPT BY THE CITY ENGINEER. IT IS THE RESPONSIBILITY OF THE USER TO ACQUIRE THE MOST CURRENT VERSION OF THE DETAIL.



**STANDARD SANITARY SEWER CROSSING**

DATE:	2010
DRAWING NO.	WL-409
FILE NO.	

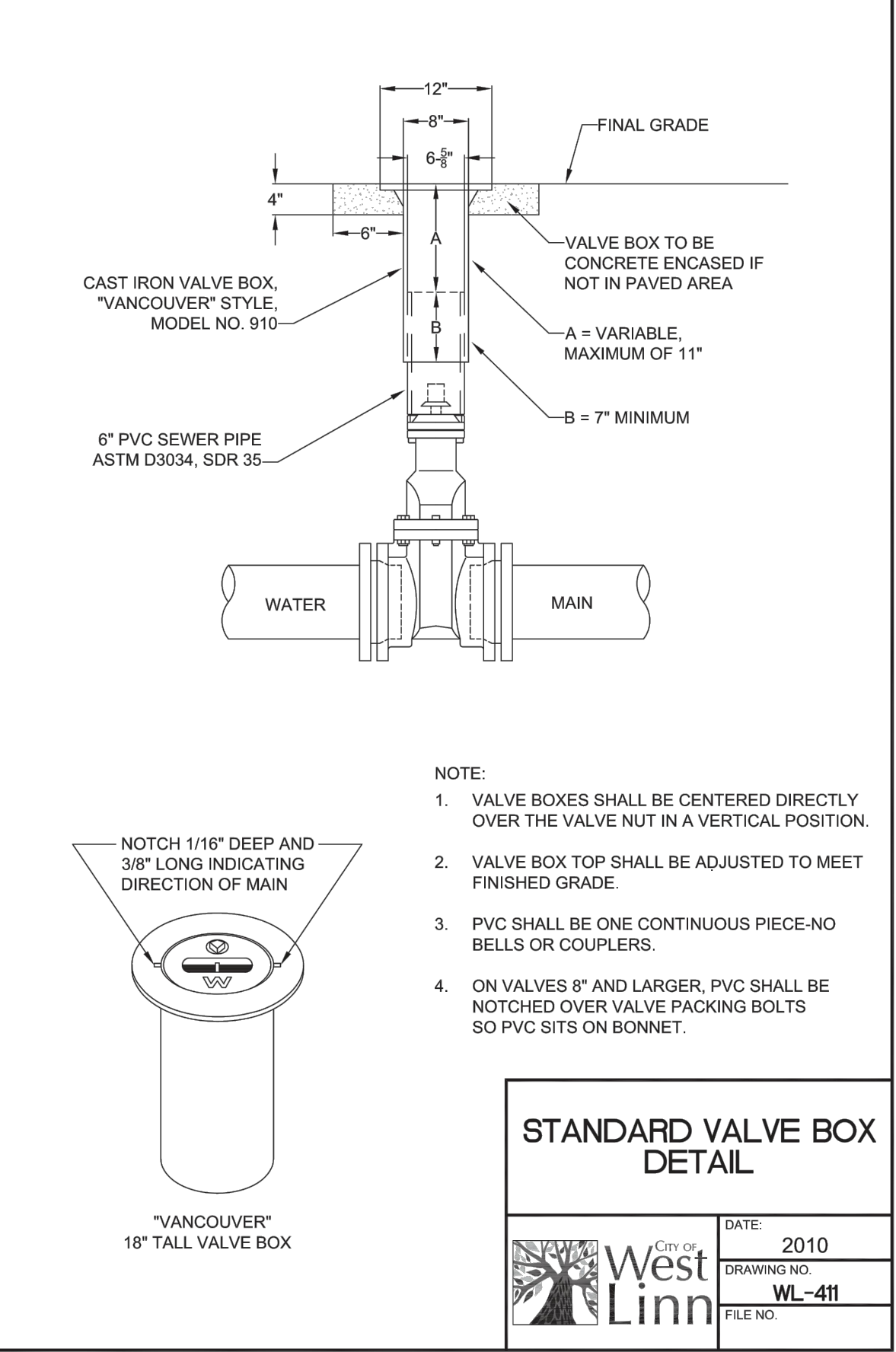
THIS DETAIL DRAWING SHALL NOT BE ALTERED OR CHANGED IN ANY MANNER EXCEPT BY THE CITY ENGINEER. IT IS THE RESPONSIBILITY OF THE USER TO ACQUIRE THE MOST CURRENT VERSION OF THE DETAIL.



**STANDARD WET TAP**

DATE:	2010
DRAWING NO.	WL-410
FILE NO.	

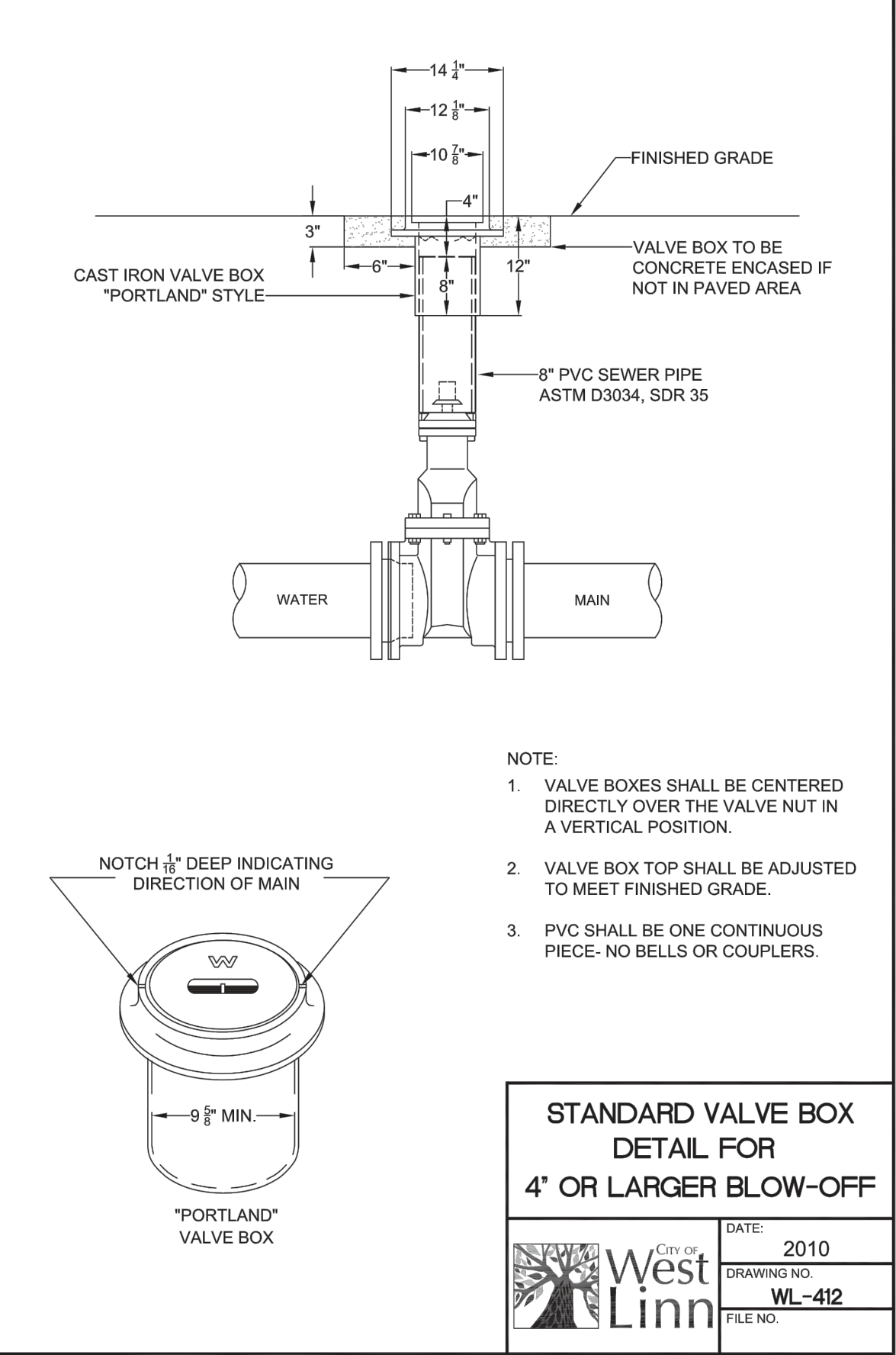
THIS DETAIL DRAWING SHALL NOT BE ALTERED OR CHANGED IN ANY MANNER EXCEPT BY THE CITY ENGINEER. IT IS THE RESPONSIBILITY OF THE USER TO ACQUIRE THE MOST CURRENT VERSION OF THE DETAIL.



**STANDARD VALVE BOX DETAIL**

DATE:	2010
DRAWING NO.	WL-411
FILE NO.	

THIS DETAIL DRAWING SHALL NOT BE ALTERED OR CHANGED IN ANY MANNER EXCEPT BY THE CITY ENGINEER. IT IS THE RESPONSIBILITY OF THE USER TO ACQUIRE THE MOST CURRENT VERSION OF THE DETAIL.



**STANDARD VALVE BOX DETAIL FOR 4" OR LARGER BLOW-OFF**

DATE:	2010
DRAWING NO.	WL-412
FILE NO.	

CONSTRUCTION DOCUMENTS 06/12/14

**STANDARD CONSTRUCTION DETAILS  
CITY OF WEST LINN  
WATER TRANSMISSION MAIN  
WEST LINN, OR**

**West Linn**

REGISTERED PROFESSIONAL  
ENGINEER  
58093PE  
OREGON  
JULY 15, 2003  
BRIAN K. FEENEY  
EXPIRES: 12 - 31 - 15

**3J CONSULTING, INC.**

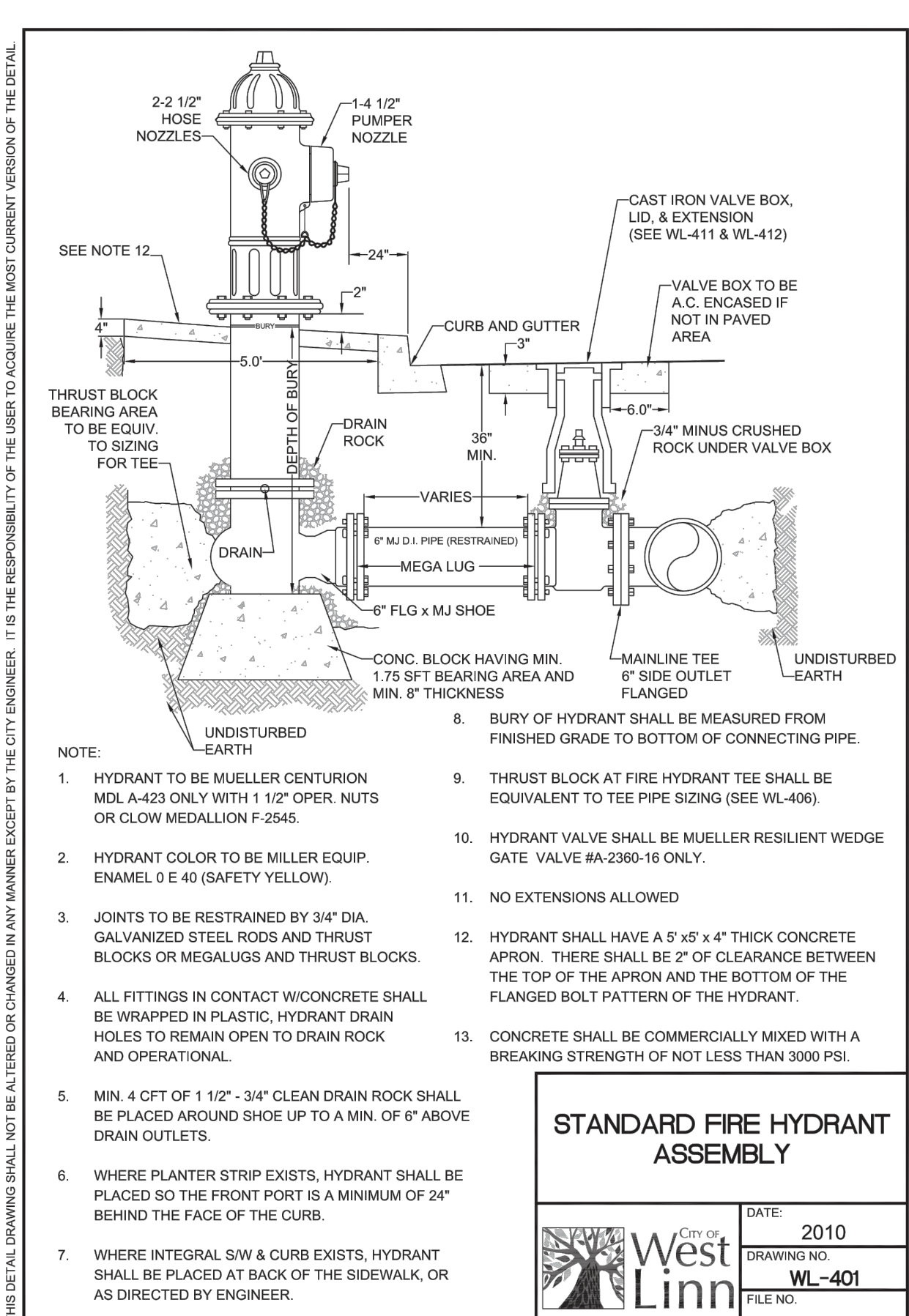
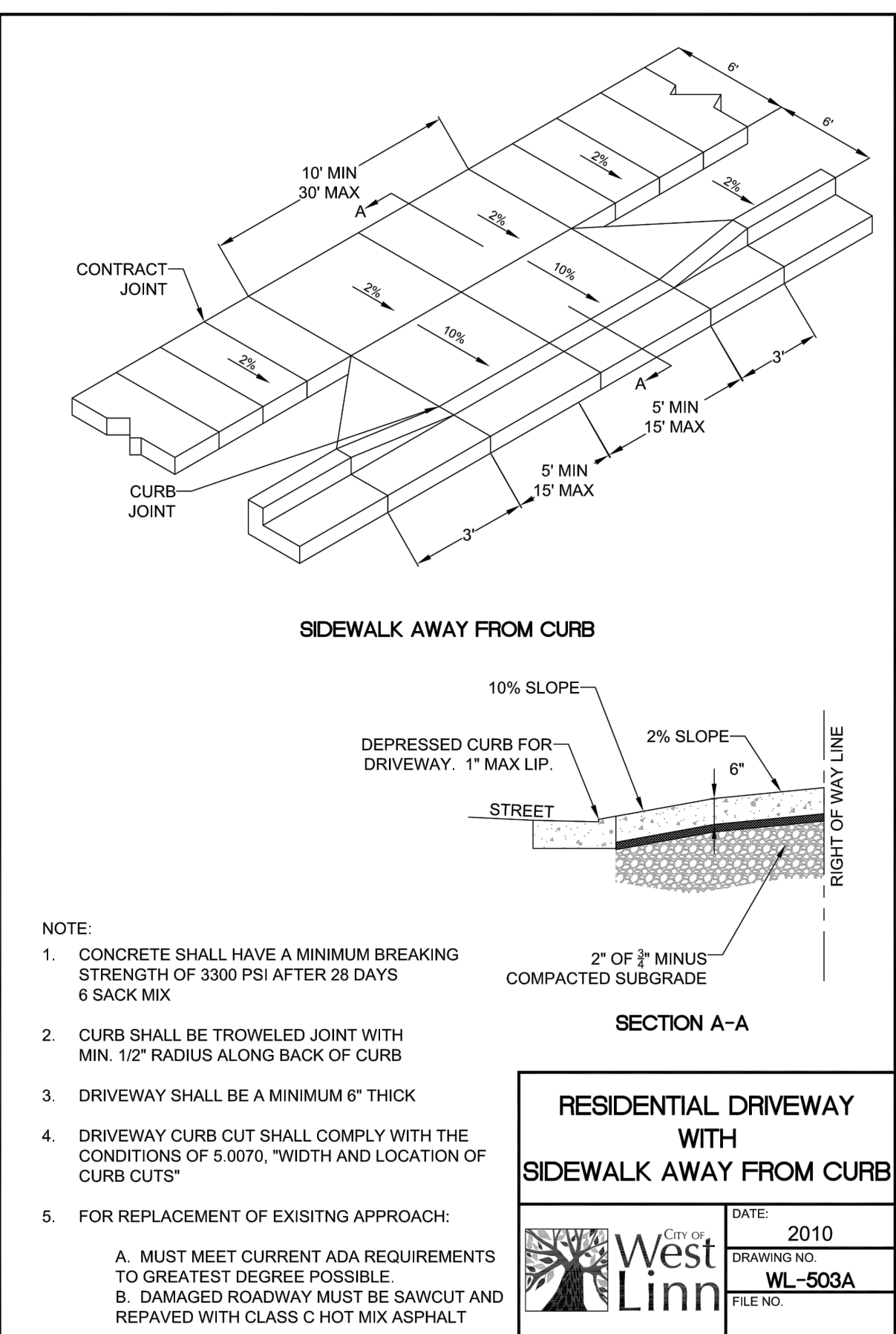
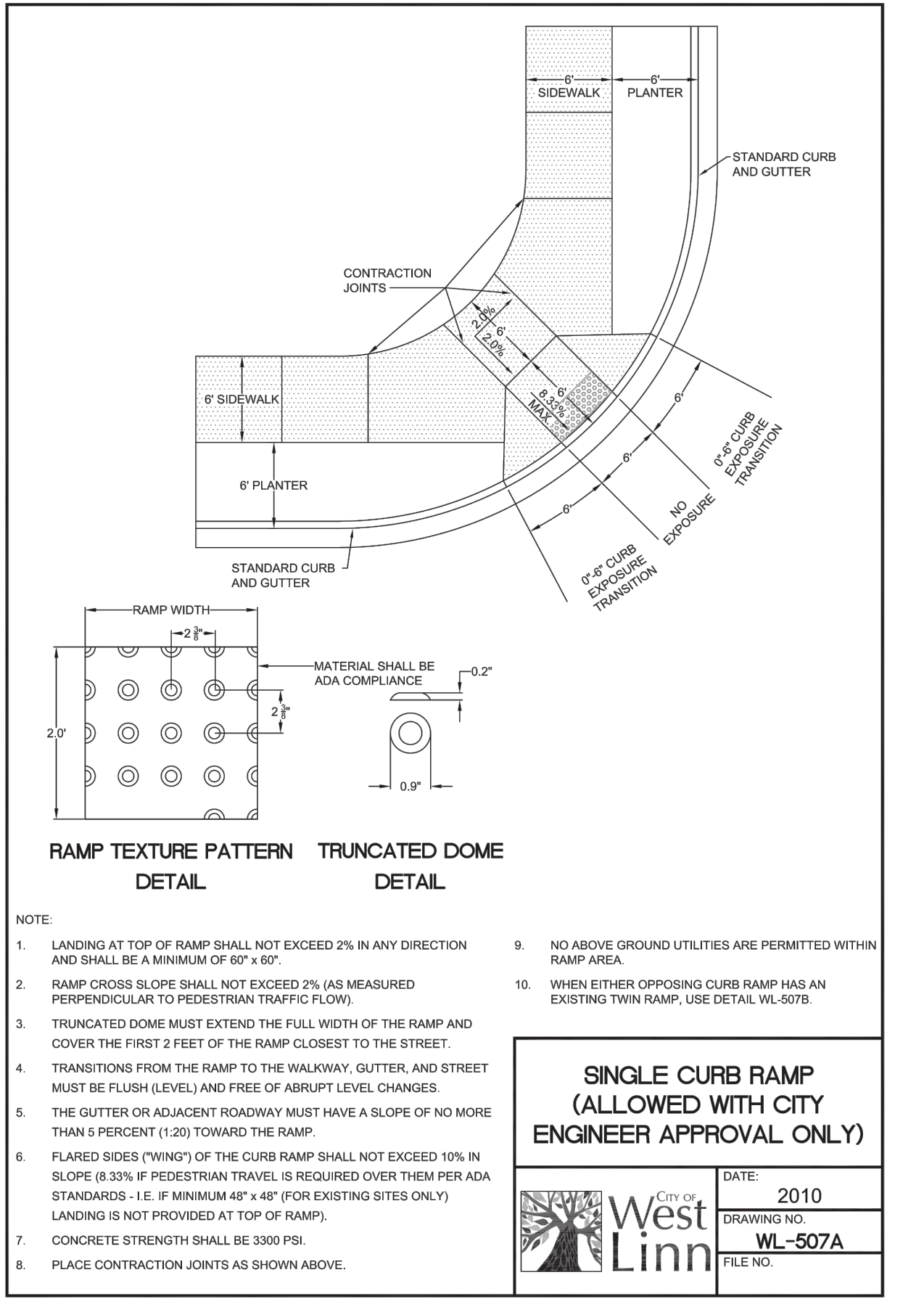
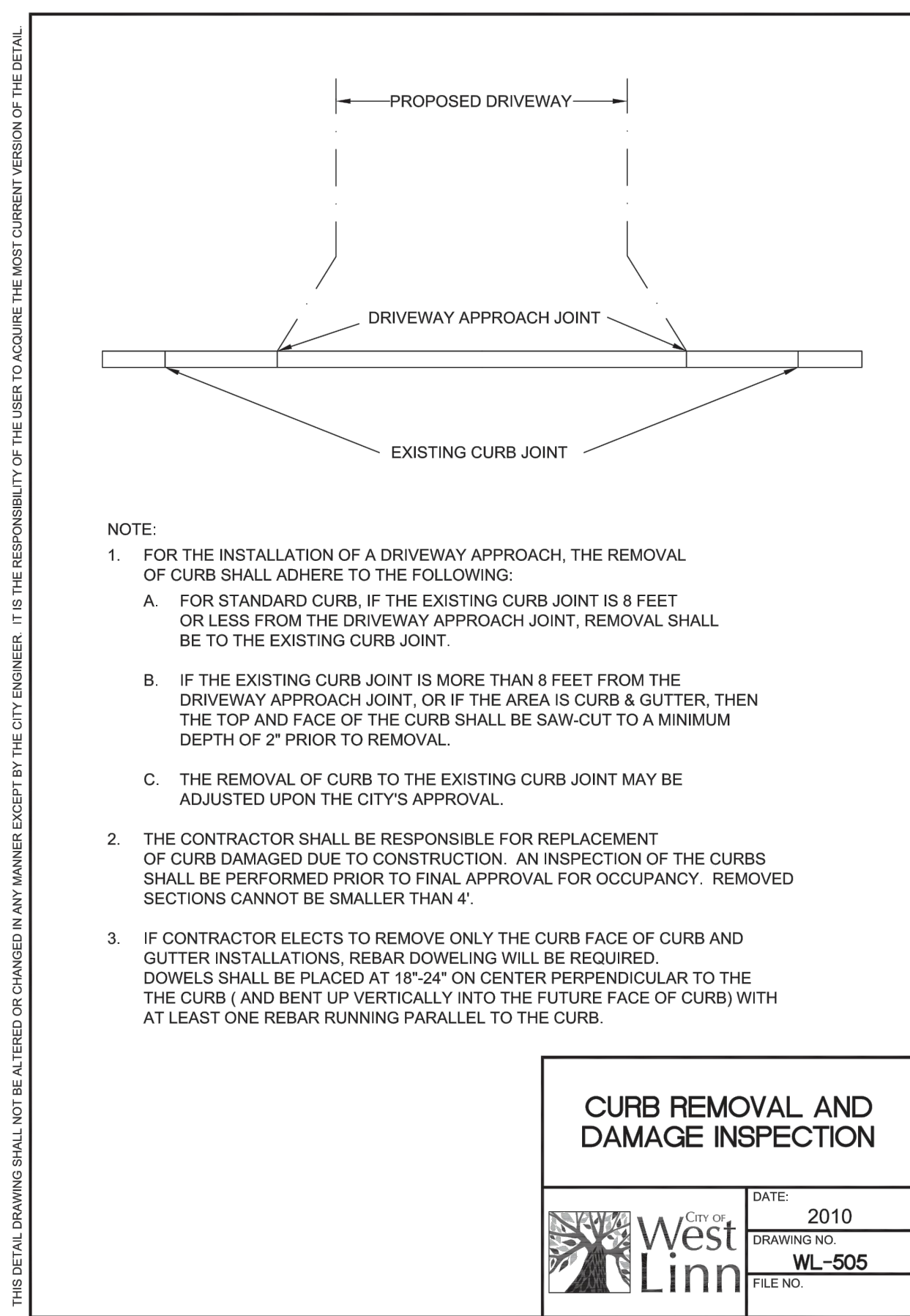
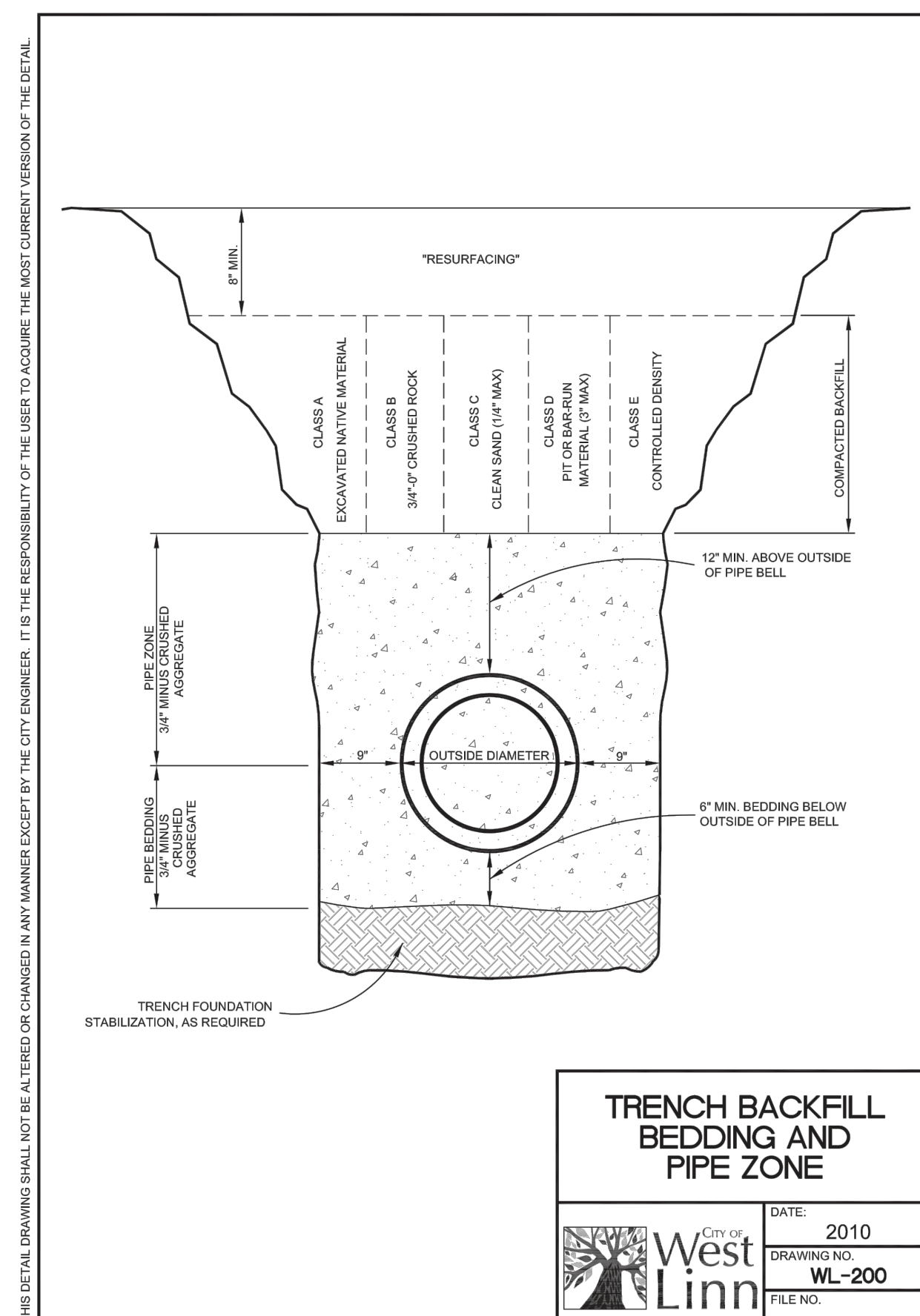
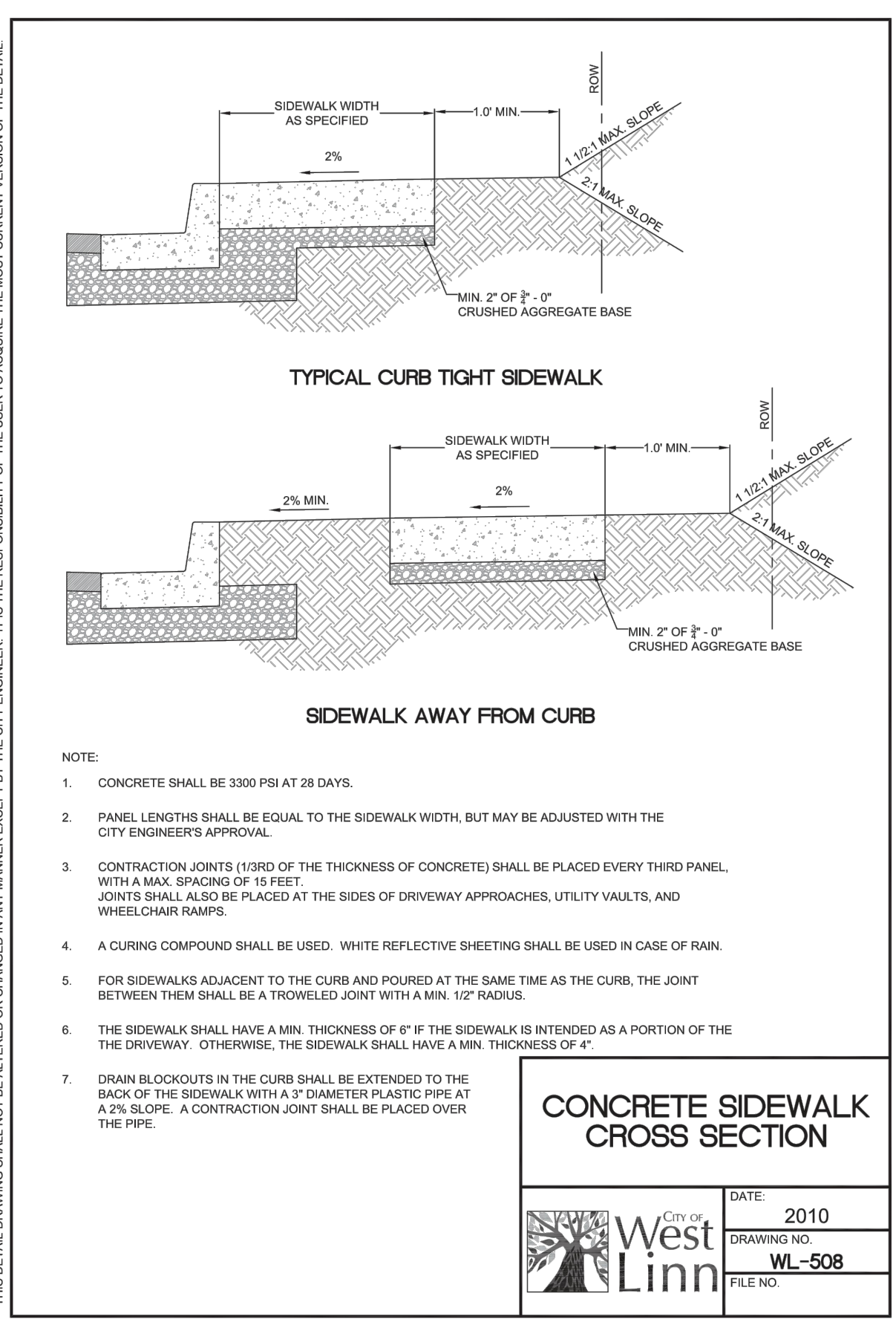
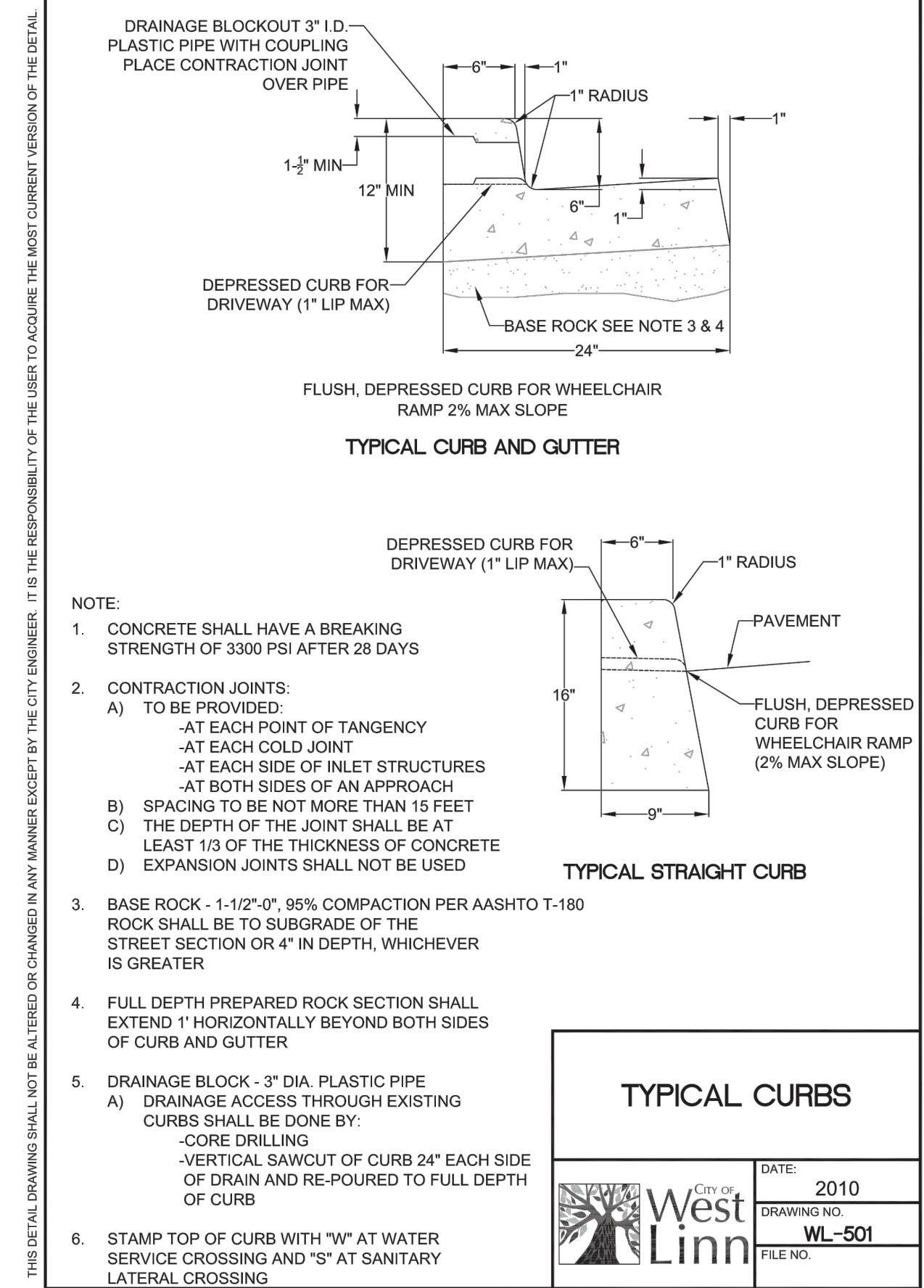
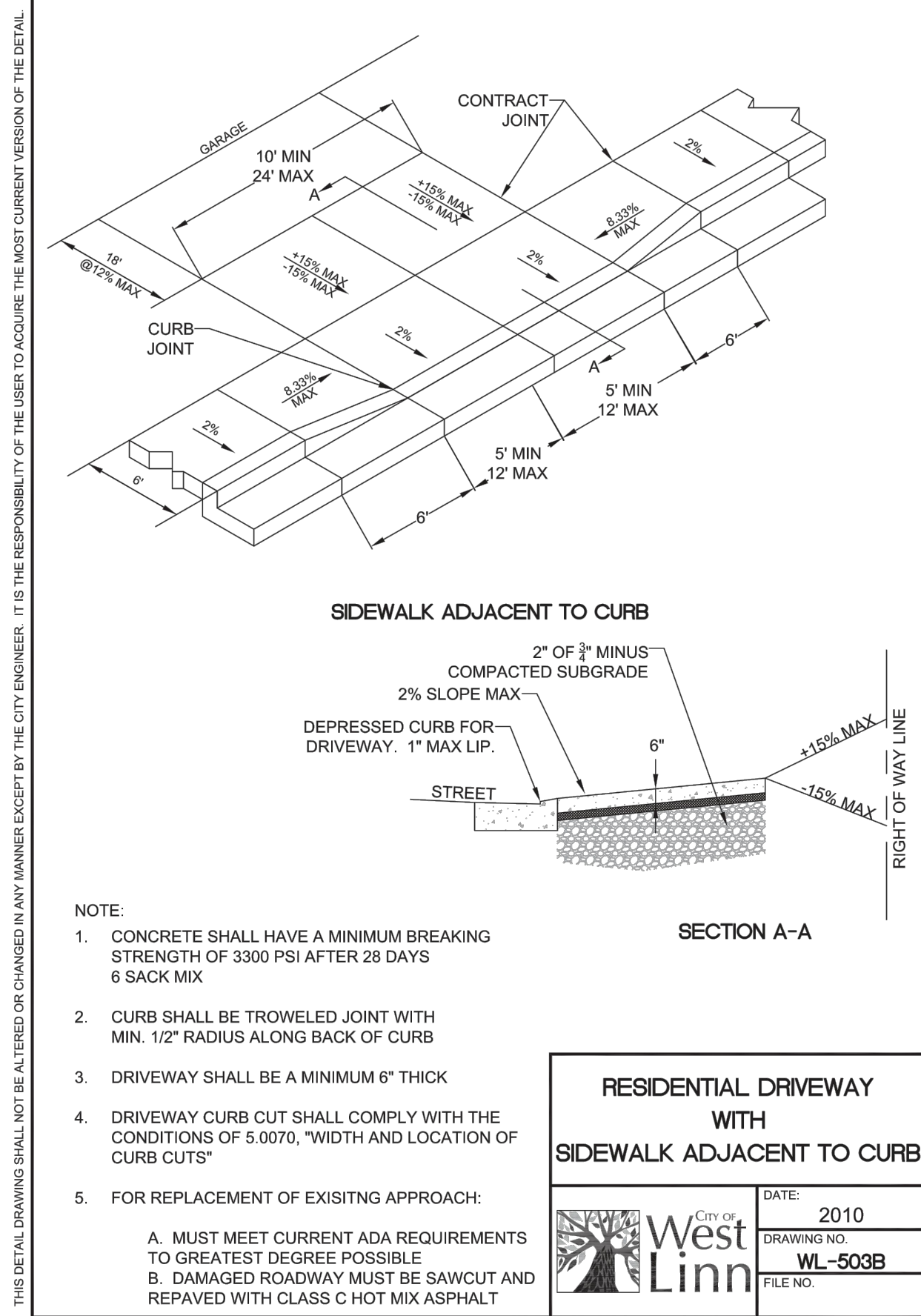
CIVIL ENGINEERING  
WATER RESOURCES  
LAND USE PLANNING

5075 SW GRIFFITH DRIVE, SUITE 150, BEAVERTON, OR 97005  
PHONE & FAX: (503) 946-6365

3J JOB ID # | 14192  
LAND USE # |  
TAX LOT #S |  
DESIGNED BY | BKF  
CHECKED BY | BKF

SHEET TITLE  
**STAND. DETAILS**

SHEET NUMBER  
**C400**



CONSTRUCTION DOCUMENTS 06/12/14  
 REVISION SUMMARY  
 BY DATE

STANDARD CONSTRUCTION DETAILS  
 CITY OF WEST LINN  
 WATER TRANSMISSION MAIN  
 WEST LINN, OR

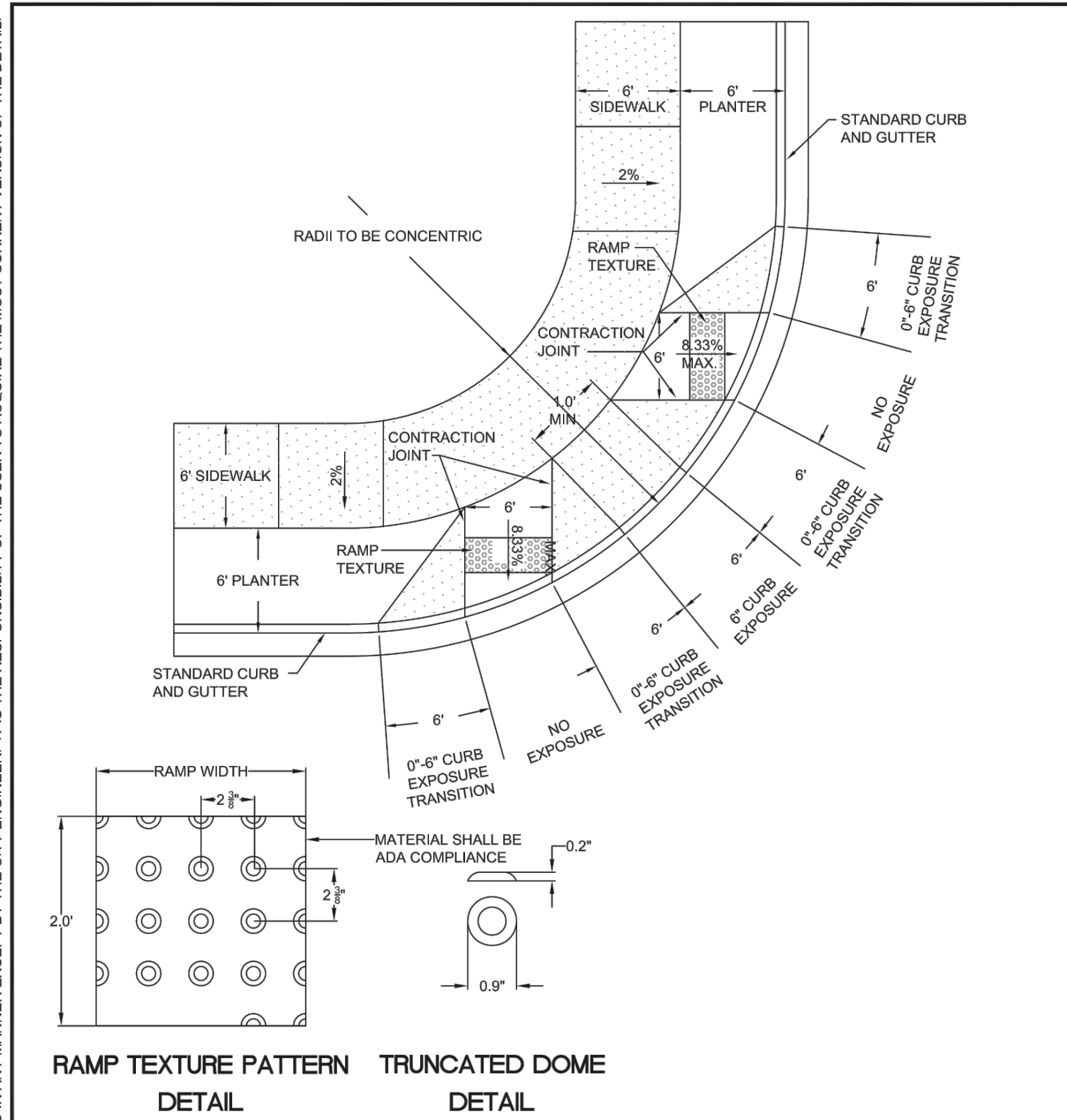
West Linn  
 REGISTERED PROFESSIONAL ENGINEER  
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 JULY 15, 2003  
 BRIAN K. FEENEY  
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3J CONSULTING, INC  
 CIVIL ENGINEERING  
 WATER RESOURCES  
 LAND USE PLANNING  
 5075 SW GRIFFITH DRIVE, SUITE 150, BEAVERTON, OR 97005  
 PHONE & FAX: (503) 946-5685

3J JOB ID # 114192  
 LAND USE # |  
 TAX LOT # S |  
 DESIGNED BY | BKF  
 CHECKED BY | BKF

SHEET TITLE  
 STAND. DETAILS  
 SHEET NUMBER  
**C401**

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- NOTE:**
- LANDING AT TOP OF RAMP SHALL NOT EXCEED 2% IN ANY DIRECTION AND SHALL BE A MINIMUM OF 6' x 6'.
  - RAMP CROSS SLOPE SHALL NOT EXCEED 2% (AS MEASURED PERPENDICULAR TO PEDESTRIAN TRAFFIC FLOW).
  - TRUNCATED DOME MUST EXTEND THE FULL WIDTH OF THE RAMP AND COVER THE FIRST 2 FEET OF THE RAMP CLOSEST TO THE STREET.
  - TRANSITIONS FROM THE RAMP TO THE WALKWAY, GUTTER, AND STREET MUST BE FLUSH (LEVEL) AND FREE OF ABRUPT LEVEL CHANGES.
  - THE GUTTER OR ADJACENT ROADWAY MUST HAVE A SLOPE OF NO MORE THAN 5 PERCENT (1:20) TOWARD THE RAMP.
  - FLARED SIDES ("WINGS") OF THE CURB RAMP SHALL NOT EXCEED 10% IN SLOPE (8.33% IF PEDESTRIAN TRAVEL IS REQUIRED OVER THEM PER ADA STANDARDS - I.E. IF MINIMUM 48" x 48" (FOR EXISTING SITES ONLY) LANDING IS NOT PROVIDED AT TOP OF RAMP).
  - CONCRETE STRENGTH SHALL BE 3300 PSI.
  - PLACE CONTRACTION JOINTS AS SHOWN ABOVE.
  - NO ABOVE GROUND UTILITIES ARE PERMITTED WITHIN RAMP AREA.
  - WHEN EITHER OPPOSING CURB RAMP HAS AN EXISTING TWIN RAMP, USE DETAIL WL-507B.

**TWIN CURB RAMP**

	DATE:	2010
	DRAWING NO.:	WL-507B
	FILE NO.:	

CONSTRUCTION DOCUMENTS	06/12/14	DATE
REVISION SUMMARY		BY

**STANDARD CONSTRUCTION DETAILS**  
**CITY OF WEST LINN**  
**WATER TRANSMISSION MAIN**  
 WEST LINN, OR



**3J CONSULTING, INC.**  
  
 CIVIL ENGINEERING  
 WATER RESOURCES  
 LAND USE PLANNING  
 5075 SW GRIFFITH DRIVE, SUITE 100, BEAVERTON, OR 97005  
 PHONE & FAX: (503) 946-5685

3J JOB ID #	14192
LAND USE #	
TAX LOT #S	
DESIGNED BY	EIM
CHECKED BY	BKF

SHEET TITLE  
**STAND. DETAILS**

SHEET NUMBER  
**C402**