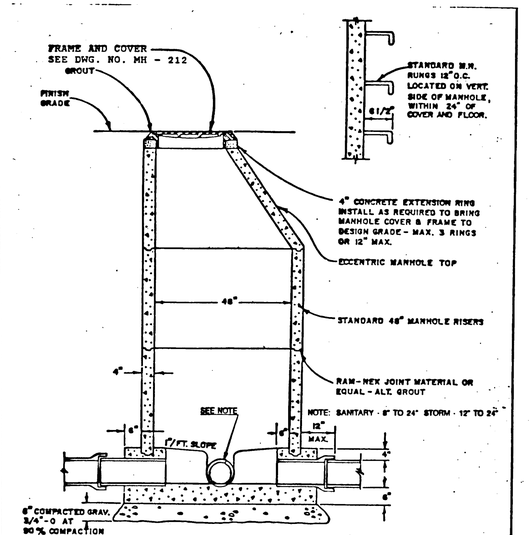
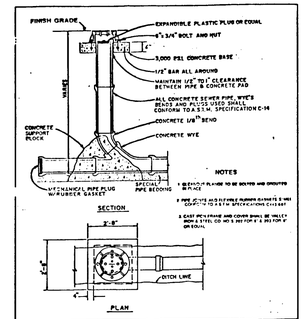
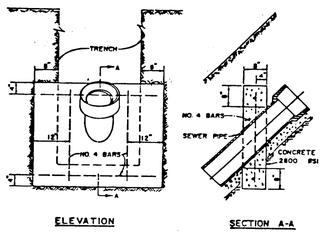


CITY OF WEST LINN	STANDARD MANHOLE
DRAWN BY DDP DATE 5-20-87	
CHECKED BY DLK DATE 5-27-87	DWG. NO. MH - 209
APPROVED BY Earl Reed DATE 5-27-87	

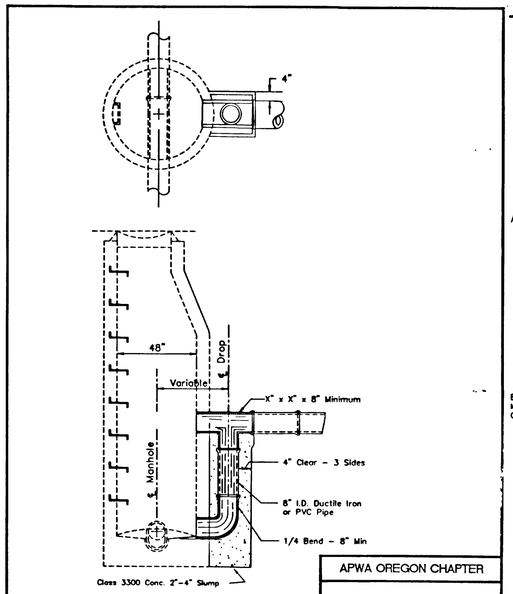


CITY OF WEST LINN	SANITARY SEWER CLEANOUT
DRAWN BY DDP DATE 10-20-88	
CHECKED BY DLK DATE 10-11-88	DWG. NO. SS-4
APPROVED BY Earl Reed DATE 10-12-88	



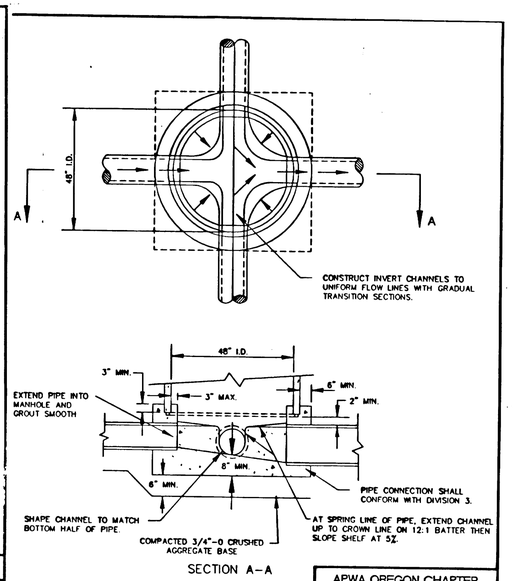
ANCHOR BLOCK

N.T.S.



APWA OREGON CHAPTER	
DETAILS FOR OUTSIDE DROP MANHOLE	
DATE 03/03/90	DRAWING NO. INTERIM 317-A

DRAWN BY: Matt Clemons, OIT



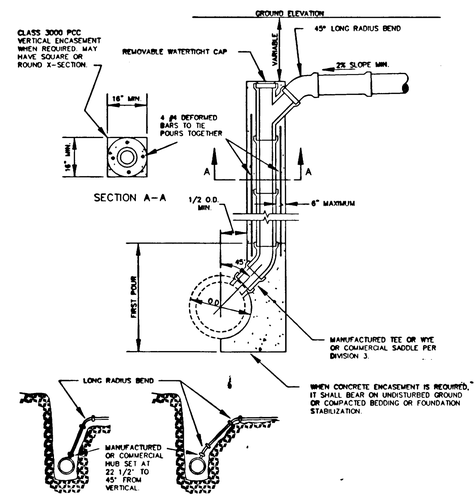
NOTES:

1) CONCRETE SHALL BE CLASS 3000.

2) CHANNELS SHALL BE CONSTRUCTED TO PROVIDE SMOOTH SLOPES AND RADII TO OUTLET PIPE.

Drawing Courtesy of City of Lebanon

APWA OREGON CHAPTER	
MANHOLE BASE SECTION	
DATE 03/21/90	DRAWING NO. INTERIM 316-A



NOTES:

1) PIPE AND FITTINGS SHALL BE COMPATIBLE. ONLY MANUFACTURED FITTINGS SHALL BE USED.

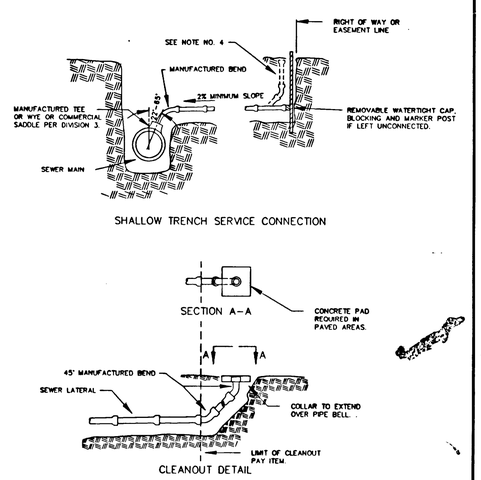
2) MINIMUM DEPTH AT RIGHT OF WAY OR EASEMENT LINE SHALL BE 4 FEET.

3) CAPPING, BLOCKING AND MARKING OF UNCONNECTED SERVICES SHALL CONFORM TO DRAWING NUMBER 311-A.

4) VERTICAL TRENCH WALLS ARE REQUIRED. IF IT IS NOT POSSIBLE TO MAINTAIN VERTICAL TRENCH WALLS, USE ALTERNATE CONNECTION METHOD TO MAINTAIN 6" MAXIMUM DISTANCE BETWEEN RISER PIPE AND TRENCH WALLS. REPLACE ALL EXCAVATED OR DISTURBED MATERIAL WITH FULL DEPTH GRANULAR BACKFILL COMPACTED TO 95% RELATIVE DENSITY.

Drawing Courtesy of City of Lebanon

APWA OREGON CHAPTER	
TYPICAL DEEP TRENCH SERVICE CONNECTION ALTERNATE DETAILS	
DATE 03/03/90	DRAWING NO. INTERIM 311-B



NOTES:

1) PIPE AND FITTINGS SHALL BE COMPATIBLE. ONLY MANUFACTURED FITTINGS SHALL BE USED.

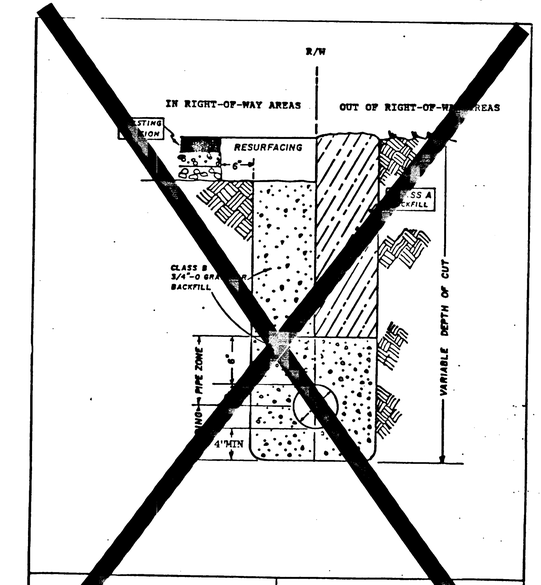
2) MINIMUM DEPTH AT RIGHT OF WAY OR EASEMENT LINE SHALL BE 4 FEET.

3) MARKER POSTS AND BLOCKING SHALL BE TREATED WOOD. POST SHALL BE 2"x4" FIR. POST TO EXTEND 12" MINIMUM ABOVE FINISH GRADE AND EXPOSED AREA SHALL BE PAINTED WHITE.

4) WHEN REQUIRED THE LAST LENGTH OF SERVICE LINE SHALL BE A MANUFACTURED WYE WITH PIPE EXTENDED TO SURFACE AS A CLEANOUT. ADD ONE ADDITIONAL LENGTH OF PIPE BEYOND WYE.

Drawing Courtesy of City of Lebanon

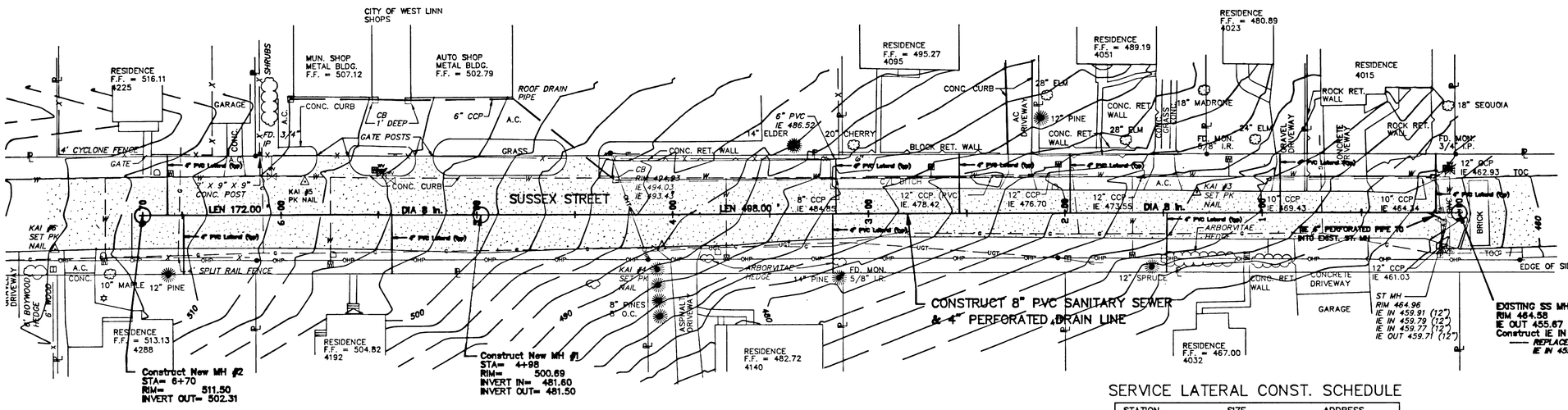
APWA OREGON CHAPTER	
TYPICAL DETAILS FOR SHALLOW TRENCH SERVICE CONNECTION, BLOCKING, MARKERS AND CLEANOUT	
DATE 03/24/90	DRAWING NO. INTERIM 311-A



CITY OF WEST LINN	PIPE BEDDING AND BACKFILL DETAILS
DRAWN BY DDP DATE 5-20-87	
CHECKED BY DLK DATE 5-27-87	DWG. NO. PB - 2[illegible]
APPROVED BY Earl Reed DATE 5-27-87	

DATE / NO. / REVISION	DRAWN BY: K.G./K.K.	CITY OF WEST LINN ENGINEERING DEPARTMENT	SUSSEX STREET SANITARY SEWER DETAIL SHEET
	FILE: CI-92-10 / DATE: 6-9-93		
	SCALE: 1" = 30'		

SURVEYED BY:	PROJECT NO. CI-93-04	2/2
CHECKED BY: STAFF	DRAWING FILE:	
DESIGNED BY: K.GARLINGHOUSE, PE		



PLAN VIEW Scale: 1"= 30'

LEGEND

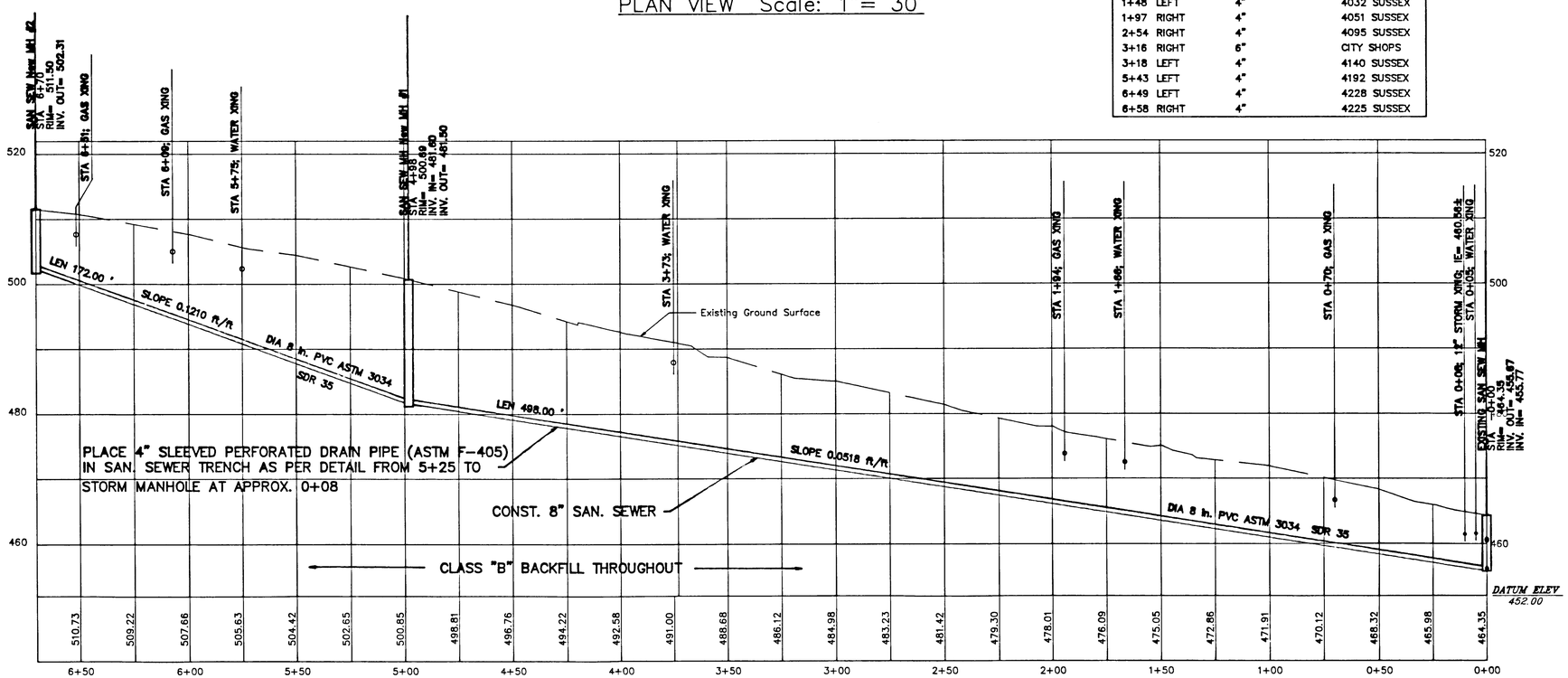
- DENOTES FOUND MONUMENT AS NOTED
- SEWER MANHOLE
- STORM MANHOLE
- CATCH BASIN
- FIRE HYDRANT
- WATER LINE
- WATER METER
- WATER VALVE
- GAS LINE
- GAS VALVE
- UNDERGROUND TELEPHONE LINE
- TELEPHONE PEDESTAL
- LIGHT POLE
- GUY ANCHOR
- UTILITY POLE
- MAILBOX
- FENCE
- DECIDUOUS TREE
- CONIFER TREE
- PROPERTY LINE
- POWERLINE

NOTES:

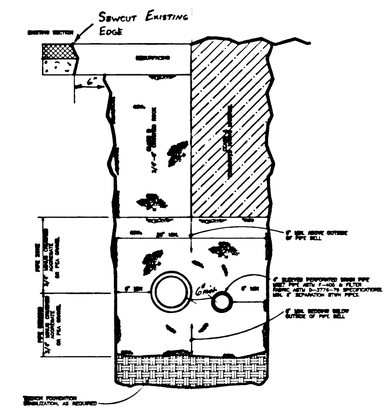
1. THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES AS SHOWN ARE APPROXIMATE ONLY.
2. VERTICAL CONTROL IS BASED ON SEWER MANHOLE AS-BUILT ELEVATIONS AS PROVIDED BY THE CITY OF WEST LINN. (HELD IE @ 1A-46-8 OF 517.03)
3. HORIZONTAL CONTROL IS BASED ON FOUND MONUMENTATION.
4. 4023 & 4015 SUSSEX EACH HAVE 4" SS LATERALS CONNECTED TO EXIST. MANHOLE. PROVIDE SS SERVICE THROUGH TEMP BYPASS THROUGHOUT CONST. CONNECT TO NEW 4" LATERAL AT PROPERTY LINE AT CONCLUSION OF CONSTRUCTION.

SERVICE LATERAL CONST. SCHEDULE

STATION		SIZE	ADDRESS
0+12	RIGHT	4"	4015 SUSSEX
0+91	RIGHT	4"	4023 SUSSEX
1+48	LEFT	4"	4032 SUSSEX
1+97	RIGHT	4"	4051 SUSSEX
2+54	RIGHT	4"	4095 SUSSEX
3+16	RIGHT	6"	CITY SHOPS
3+18	LEFT	4"	4140 SUSSEX
5+43	LEFT	4"	4192 SUSSEX
6+49	LEFT	4"	4228 SUSSEX
6+58	RIGHT	4"	4225 SUSSEX



PROFILE Scale: Horz: 1"= 30'; Vert: 1"= 10'



GENERAL PROJECT NOTES

1. All construction to meet provisions of the 1990 APWA Oregon Chapter Standard Specifications, the City of West Linn Construction Standards, Capital Improvement Project Special Specifications and any permit conditions.
2. The Contractor shall provide erosion & sediment control on the site meeting the City of West Linn Standards and all areas disturbed shall be hydroseeded with grass seed mixture meeting W. Parks Department requirements.
3. Traffic control shall meet provisions of the Manual on Uniform Traffic Control Devices and is the Contractor's responsibility.
4. The Contractor shall notify the City of West Linn Emergency Services (655-8214) & the Public Works Department (656-8081) of any disruption to water or sewer service or street closures.
5. The Contractor is responsible to obtain utility locates prior to contruction.
6. Work hours are restricted to 8:00 am to 8:00 pm Monday through Friday.
7. Protect existing landscaping within construction limits. Avoid destruction of trees & vegetation wherever possible.
8. No Boundary Survey has been completed of the project area. Property lines as shown are approximate only. Protect or reestablish property corners damaged during construction.
9. Utility line locations as shown are approximate, field verify before construction.
10. All water lines shall be disinfected & tested (pressure & bacteriological) to the City of West Linn Standards and Oregon State Health Division Rules. See detail for information on construction sequencing prior to disinfection.
11. Deflection of pipe shall not exceed the manufacture's specifications or recommendation. For 6" D.I. AWWA C151 Class 52 Ductile iron pipe the maximum allowable deflection at the joint is 5° or 18" per 18' of pipe length.
12. Water service disruptions shall be minimized to customers. No water shut off shall be permitted for businesses during business hours.
13. Residences 4140 & 4032 Sussex St. will be required to pump from House to New Sewer Main under this plan.

REGISTERED PROFESSIONAL ENGINEER 14,958 OREGON JULY 25, 1990 KEITH D. GARLINGHOUSE
RENEW 7-1-95 6-1-94

DATE	NO.	REVISION

DRAWN BY: JS
SCALE: AS NOTED DATE: 5-24-94
FILE: SUSSEX STREET SANITARY SEWER

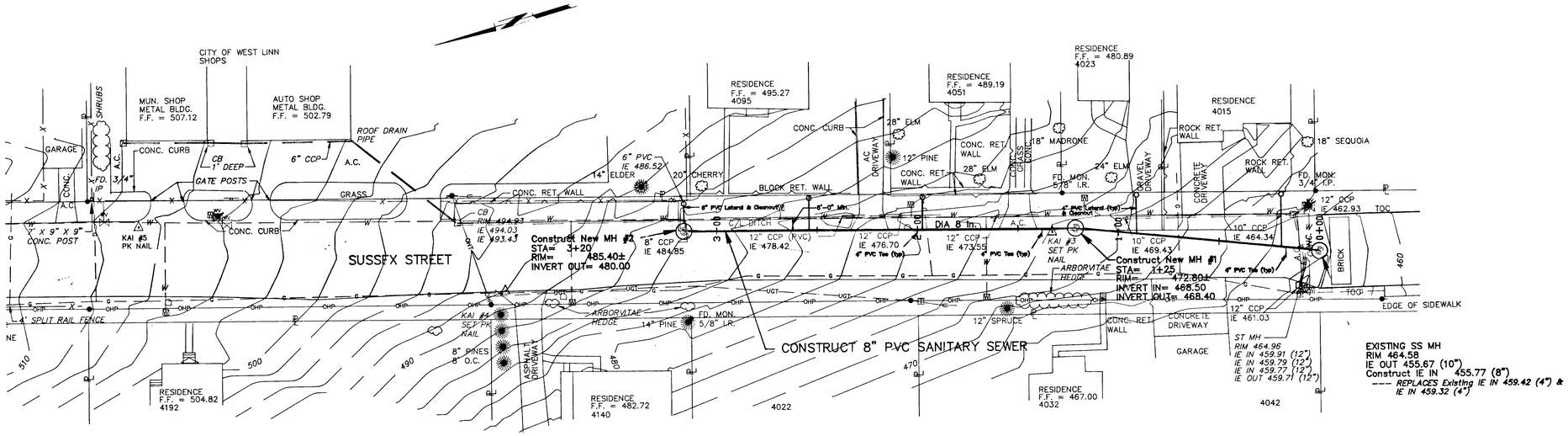
CITY OF WEST LINN
ENGINEERING DIVISION

SUSSEX STREET SANITARY SEWER
PLAN AND PROFILE VIEWS

SURVEYED BY: KAMPE ASSOCIATES
CHECKED BY: STAFF
DESIGNED BY: KG, PE; JS, EIT

PROJECT NO.: CI-93-04
DRAWING FILE: SUSSEXSS\SUSSEX

PS1 / 2



PLAN VIEW Scale: 1"= 30'

LEGEND

- DENOTES FOUND MONUMENT AS NOTED
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- STORM MANHOLE
- CATCH BASIN
- FIRE HYDRANT
- WATER LINE
- WATER METER
- WATER VALVE
- GAS LINE
- GAS VALVE
- UNDERGROUND TELEPHONE LINE
- TELEPHONE PEDESTAL
- LIGHT POLE
- GUY ANCHOR
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4. 4023 & 4015 SUSSEX EACH HAVE 4" SS LATERALS CONNECTED TO EXIST. MANHOLE. PROVIDE SS SERVICE THROUGH TEMP BYPASS THROUGHOUT CONST. CONNECT TO NEW 4" LATERAL AT PROPERTY LINE AT CONCLUSION OF CONSTRUCTION.

SERVICE LATERAL CONST. SCHEDULE

STATION	SIZE	ADDRESS
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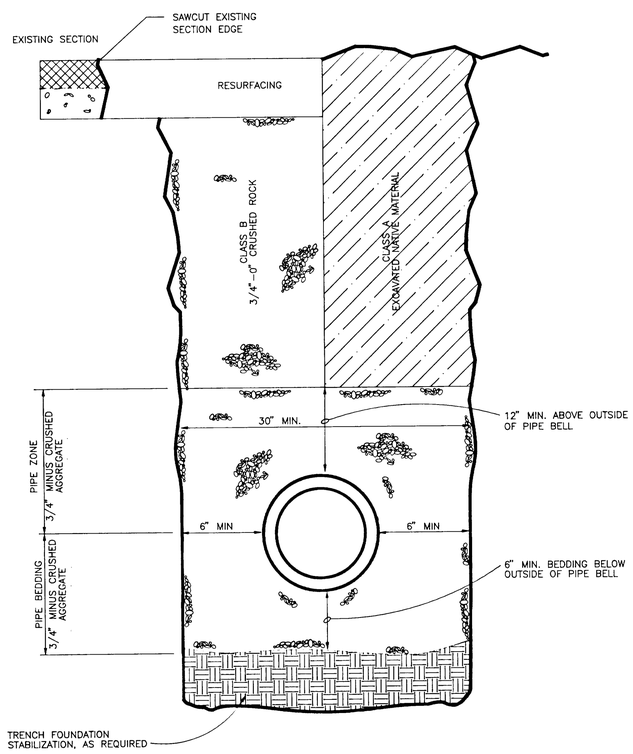
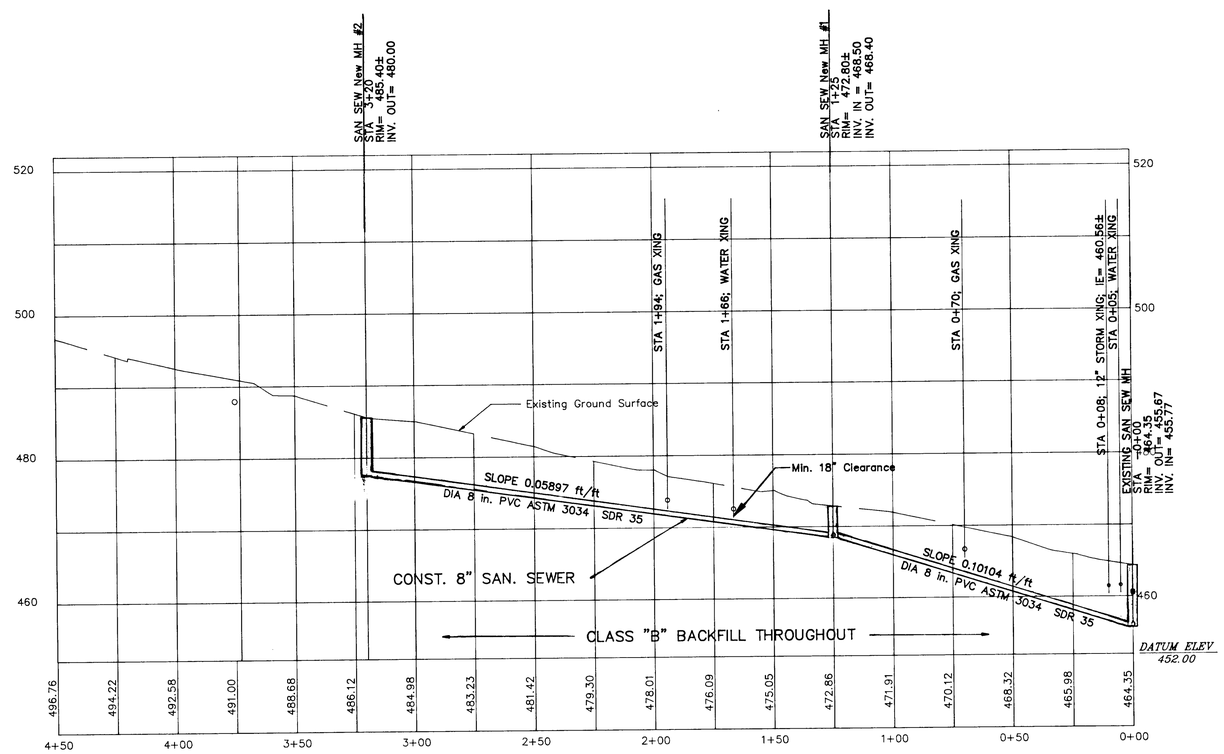
0+91 RIGHT	4"	4023 SUSSEX
1+42 LEFT	4"	4032 SUSSEX
1+97 RIGHT	4"	4051 SUSSEX
2+52 LEFT	4"	4022 SUSSEX
2+54 RIGHT	4"	4095 SUSSEX
3+20 RIGHT	6"	CITY SHOPS





PROFILE Scale: Horz: 1"= 30'; Vert: 1"= 10'

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11. Deflection of pipe shall not exceed the manufacture specificatons or recommendation. For 6" D.I. AWWA C151 Class 52 Ductile Iron pipe the maximum allowable deflection at the joint is 5° or 18" per 18' of pipe length.
12. Water service disruptions shall be minimized to customers. No water shut off shall be permitted for businesses during business hours.
13. Sewage Grinders & Pumps will be necessary on all Residences on the west side of Sussex Street in order to connect to Sanitary Sewer Main.

REGISTERED PROFESSIONAL ENGINEER 11795 David Morgan OREGON

Exp. 12-31-96

DRAWN BY: JS	CITY OF WEST LINN ENGINEERING DIVISION	SUSSEX STREET SANITARY SEWER PLAN AND PROFILE VIEWS	SURVEYED BY: KAMPE ASSOCIATES CHECKED BY: STAFF DESIGNED BY: DM, PE; JS, EIT	PROJECT NO.: CI-93-04 DRAWING FILE: SUSSEXSS\SUSSEX2.DWG	1/1
SCALE: AS NOTED DATE: 10-25-95					
FILE: SUSSEX STREET SANITARY SEWER					

DATE | NO. | REVISION