VISTA TERRACE LID

PROPOSED SEWER IMPROVEMENTS - PRELIMINARY PLAN

PROJECT DATA

PARCEL AND ROAD DATA PROVIDED BY WHATCOM COUNTY. THE HORIZONTAL DATUM IS BASED ON NAD 83 WASHINGTON STATE PLAN NORTH ZONE. CONTOUR DATA PROVIDED BY DNR LIDAR.

DATUM DIFFERENCE

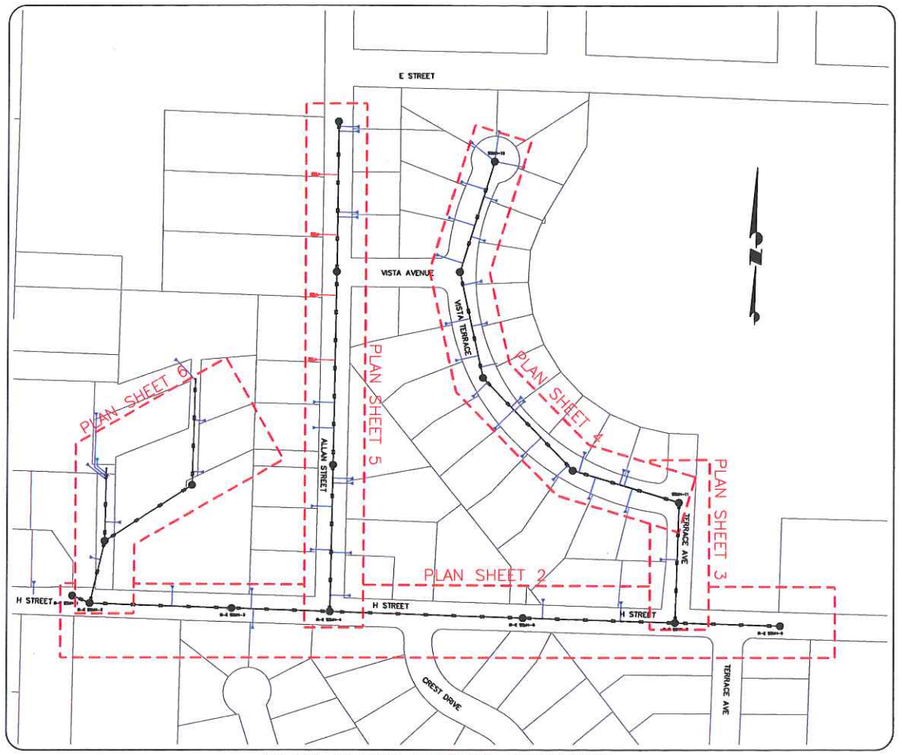
THE EXISTING CITY SEWER DATA IS IN NAD 1929. MUST ADD 4.03' TO THE SEWER DATA TO GET INTO THE SAME DATUM AS THE DNR LIDAR DATA.

SHEET INDEX

1. VICINITY MAP, DETAILS, MATERIALS LIST
2. H STREET – SEWER PLAN AND PROFILE
3. VISTA TERRACE – SEWER PLAN AND PROFILE
4. ALLAN STREET – SEWER PLAN AND PROFILE
5. VISTA AVENUE – SEWER PLAN AND PROFILE
6. LINCOLN LANE – SEWER PLAN AND PROFILE

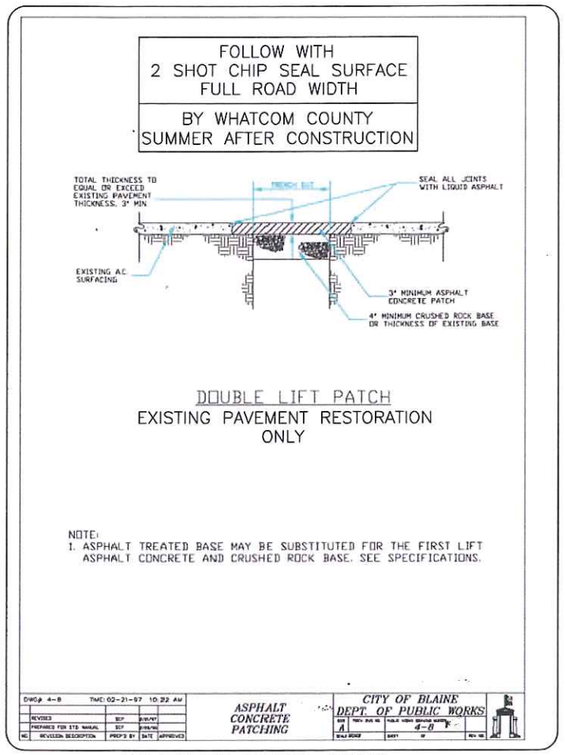
CITY STREETS VICINITY MAP

NOT TO SCALE



PLAN SHEET LAYOUT OVERVIEW

NOT TO SCALE



PAVEMENT PATCH DETAIL

NOT TO SCALE

City of Blaine
1200 Yew Avenue
Blaine, WA 98230
Phone: (360) 332-8820

Called By:	City of Blaine			Preliminary Engineer's Estimate*	
For:	**VISTA TERRACE - LID SEWER IMPROVEMENTS** 1200 Yew Avenue Blaine, Washington 98230			Vista Terrace - LID Sewer Improvements	
	PRELIMINARY ENGINEER'S ESTIMATE				
By:	Dave C. Bren, P.E.				
Date:	29-Nov-10				
Item No.		Quantity	Unit	Unit Price	Amount
	LID Sewer Improvements Work				
1	Mobilization (Sewer)	1	LS	$11,383.39	$11,383.39
2	Flaggers and Spotters	420	HR	$40.00	$16,800.00
3	Unsuitable Excavation Inc. Haul (Sewer)		CY	$8.00	$0.00
4	Pea Gravel and Pit Run For Sewer Trench Backfill		Ton	$10.00	$0.00
5	Crushed Surface Top Course Patch	311	Ton	$18.00	$5,598.00
6	Asphalt Patch	233	Ton	$70.00	$16,310.00
7	2-Shot Chip Seal Surface - Full Road	0.42	Mile	$30,000.00	$12,647.73
8	PVC Pipe for Sanitary Sewer, 8-Inch Dia.	4,416	LF	$30.00	$132,480.00
9	Testing Sewer Pipe	4416	LF	$2.00	$8,832.00
10	Manhole 48-Inch Dia. Type 1	17	EA	$2,000.00	$34,000.00
11	6-Inch Sewer Clean-out	2	EA	$500.00	$1,000.00
	Subtotal				$239,051.11
	Sales Tax Items (8.5%)				$20,319.34
	Total				**$259,370.46**

COST ESTIMATE LIST

NOT TO SCALE

#	Item	Quantity	Unit
1	**Sewer Structures**		
1a	SSMH	17	EA
1b	SSCO	2	EA
1c	Sewer Stubs (Gravity)	31	EA
1d	Sewer Stubs (Grinder Pump)	4	EA
2	**Sewer Pipe**		
2a	Laid 8" PVC	4416	LF
	H Street	1473	LF
	Terrace Ave & Vista Terrace	1211	LF
	Allan Street	1615	LF
	Lincoln Lane	717	LF
3	**Sewer Trench Patch**		
3a	Total Asphalt Patch	143.1	CY
	H Street	47.7	CY
	Terrace Ave & Vista Terrace	34.2	CY
	Allan Street	37.0	CY
	Lincoln Lane	24.2	CY
3b	Crushed Rock Patch Base	190.8	CY
	H Street	63.6	CY
	Terrace Ave & Vista Terrace	57.3	CY
	Allan Street	49.0	CY
	Lincoln Lane	31.0	CY
4	**Sewer Trench Backfill and Bedding**		
4a	Rock Run Gravel Backfill	8573.3	CY
	H Street	2755.5	CY
	Terrace Ave & Vista Terrace	1937.4	CY
	Allan Street	1613.3	CY
	Lincoln Lane	566.4	CY
4b	Pea Gravel Bedding	801.8	CY
	H Street	267.3	CY
	Terrace Ave & Vista Terrace	219.8	CY
	Allan Street	183.2	CY
	Lincoln Lane	130.1	CY

MATERIALS TAKEOFF LIST

NOT TO SCALE

NO.	DATE	REVISION	BY
1	11.24.10	UPDATED PER MEETING COMMENTS	DCB

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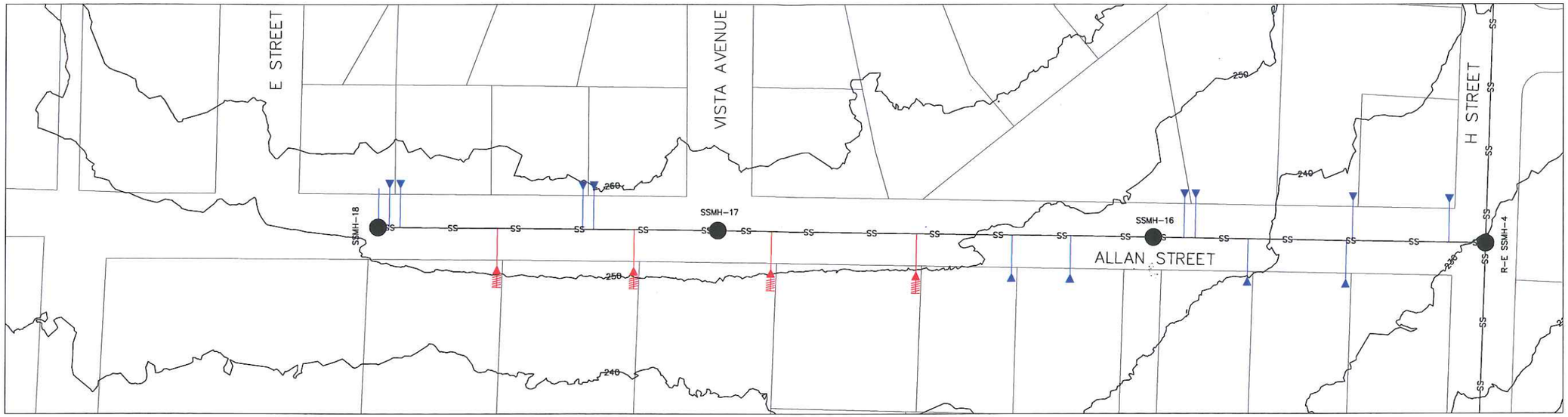
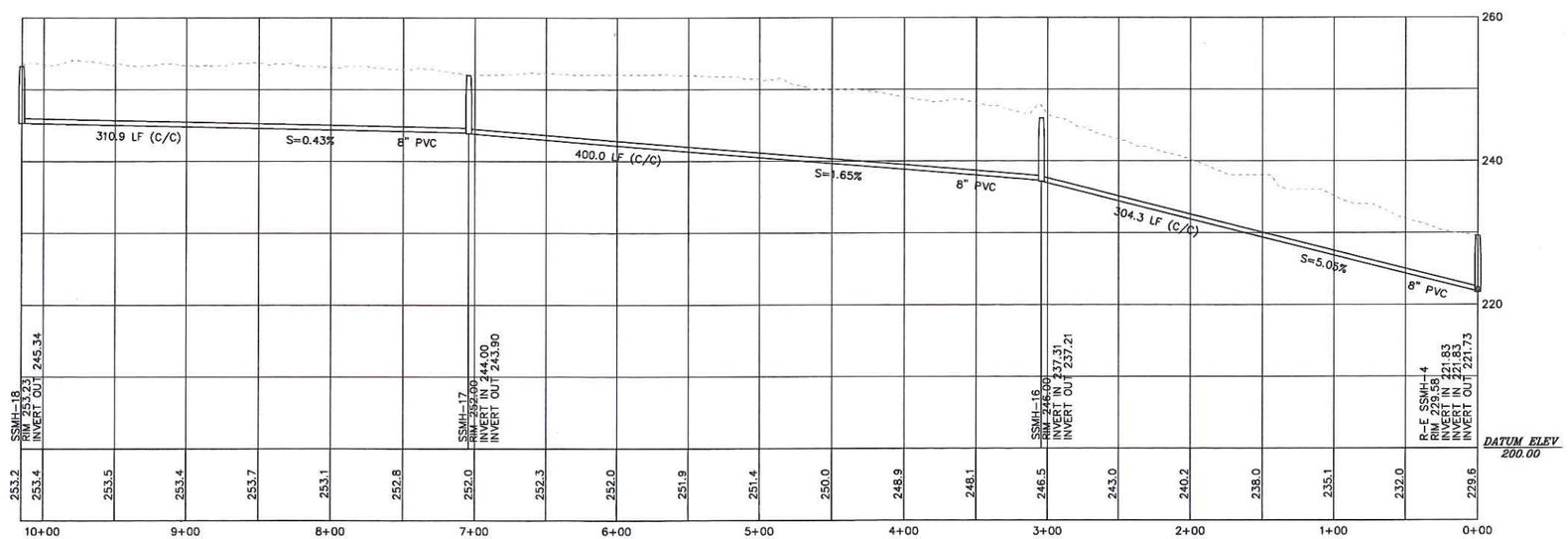
VISTA TERRACE LID
PROPOSED SEWER
COVER SHEET

DRAWN BY: DCB	HORZ SCALE: NTS
DESIGNED BY: DCB	VERT SCALE: NTS
CHECKED BY: DCB	DRAWING NAME: VISTA-TERRACE.DWG
DATE: NOV 28, 2010	PROJECT NUMBER: 2010-009

ALLAN STREET
PRELIMINARY SEWER PLAN AND PROFILE

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.





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ALAN STREET
PRELIMINARY SEWER
PLAN AND PROFILE

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DESIGNED BY: DCB	VERT SCALE: NTS
CHECKED BY: DCB	DRAWING NAME: VISTA-TERRACE.DWG
DATE: NOV 28, 2010	PROJECT NUMBER: 2010-009

LINCOLN LANE

PRELIMINARY SEWER PLAN AND PROFILES

GRAPHIC SCALE

50 0 25 50 100 200

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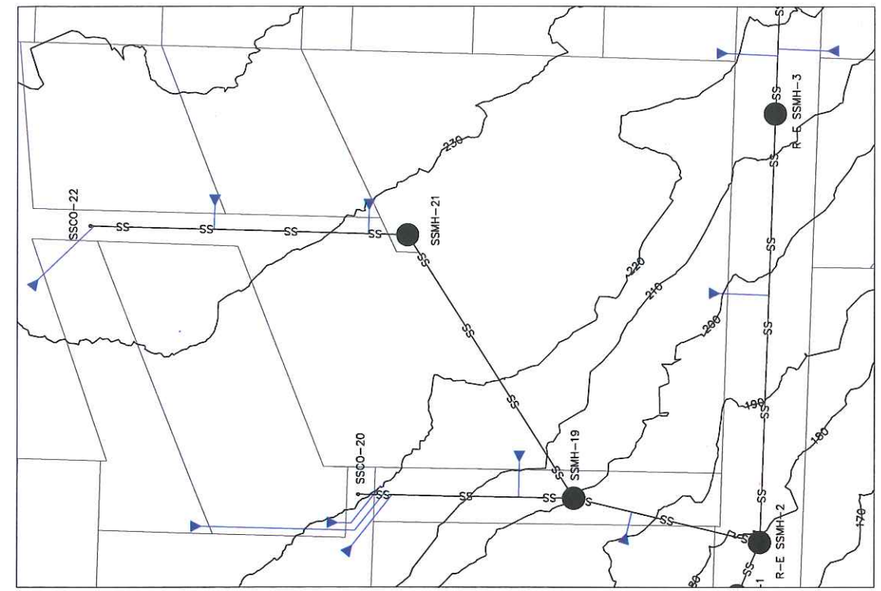

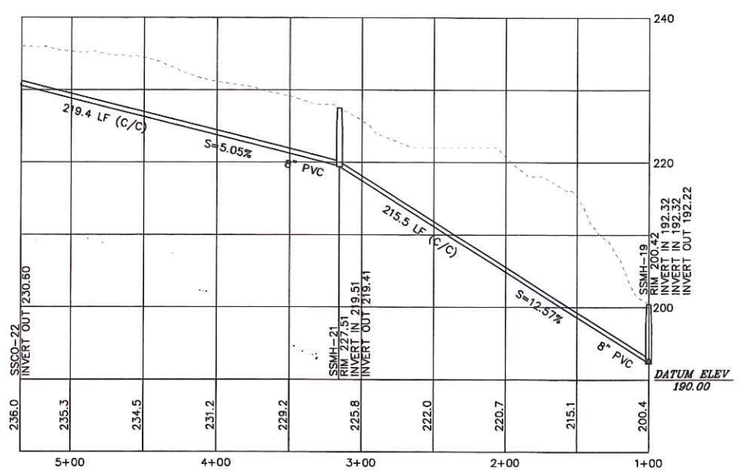

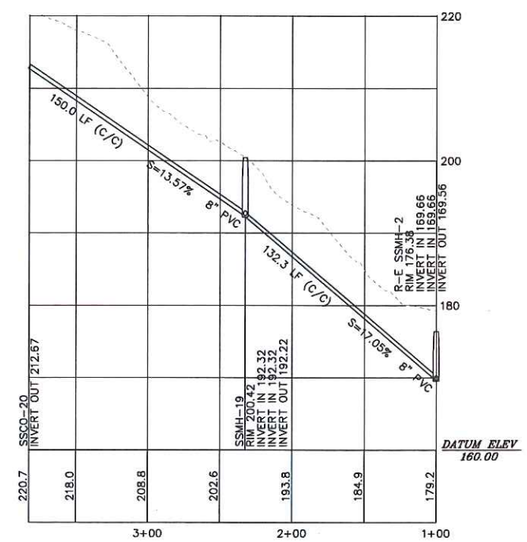

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LINCOLN LANE
PRELIMINARY SEWER
PLAN AND PROFILE

DRAWN BY: DCB	HORZ SCALE: NTS	6
DESIGNED BY: DCB	VERT SCALE: NTS	OF: 6
CHECKED BY: DCB	DRAWING NAME: VISTA-TERRACE.DWG	
DATE: NOV 28, 2010	PROJECT NUMBER: 2010-009	

VISTA AVENUE
PRELIMINARY SEWER PLAN AND PROFILE

GRAPHIC SCALE
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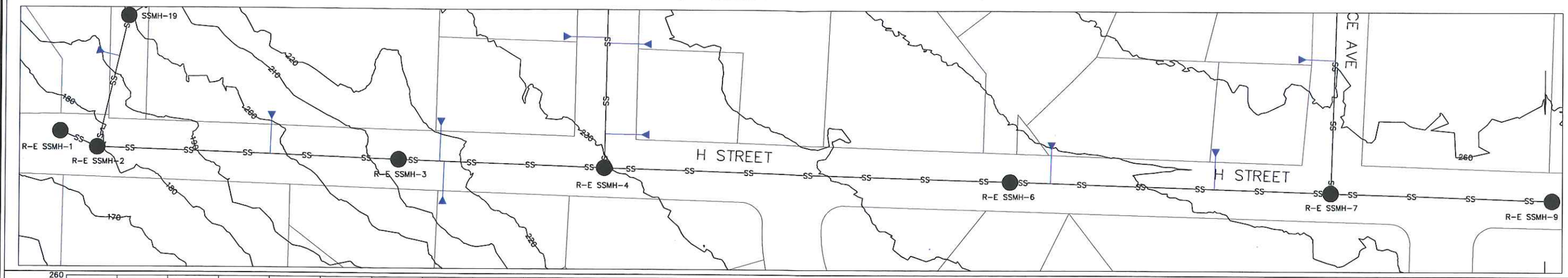

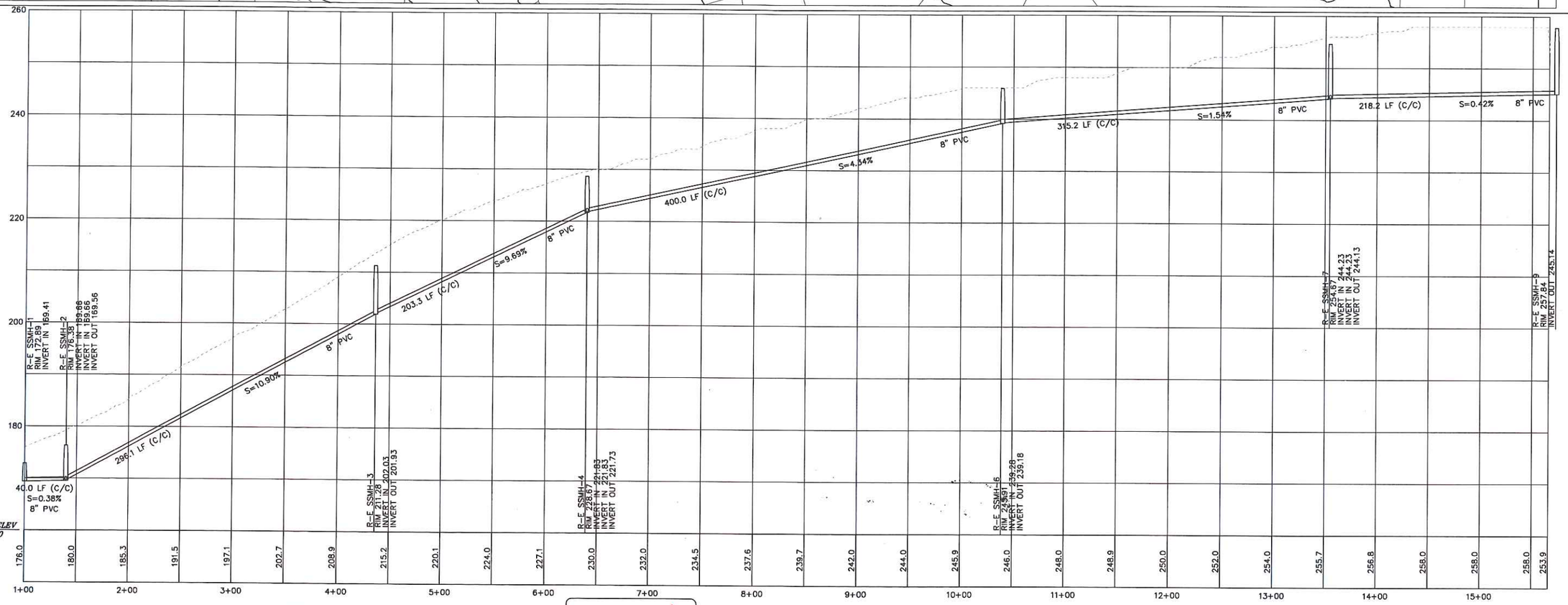

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VISTA AVENUE
PRELIMINARY SEWER
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VISTA TERRACE

PRELIMINARY SEWER PLAN AND PROFILE

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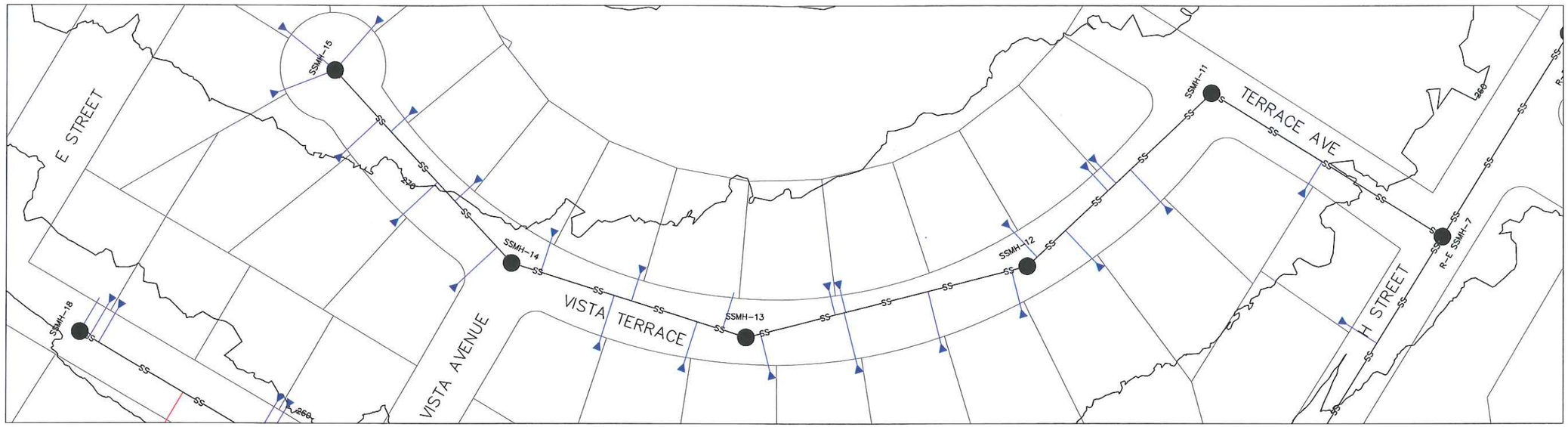

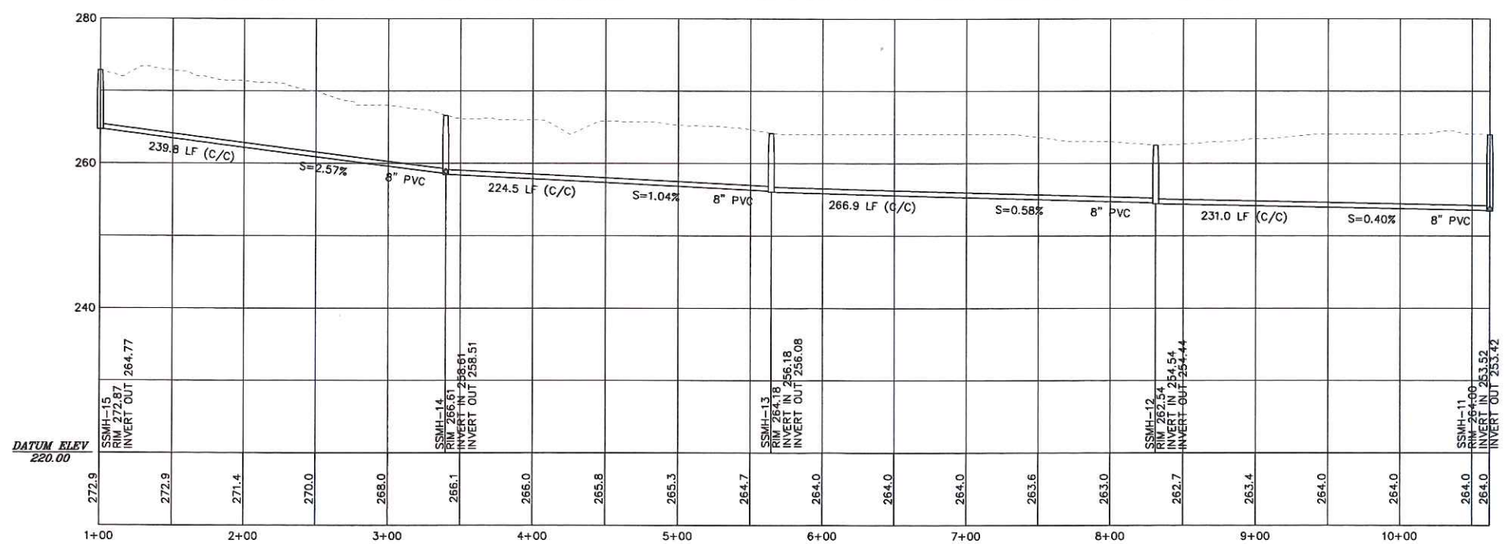

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VISTA TERRACE
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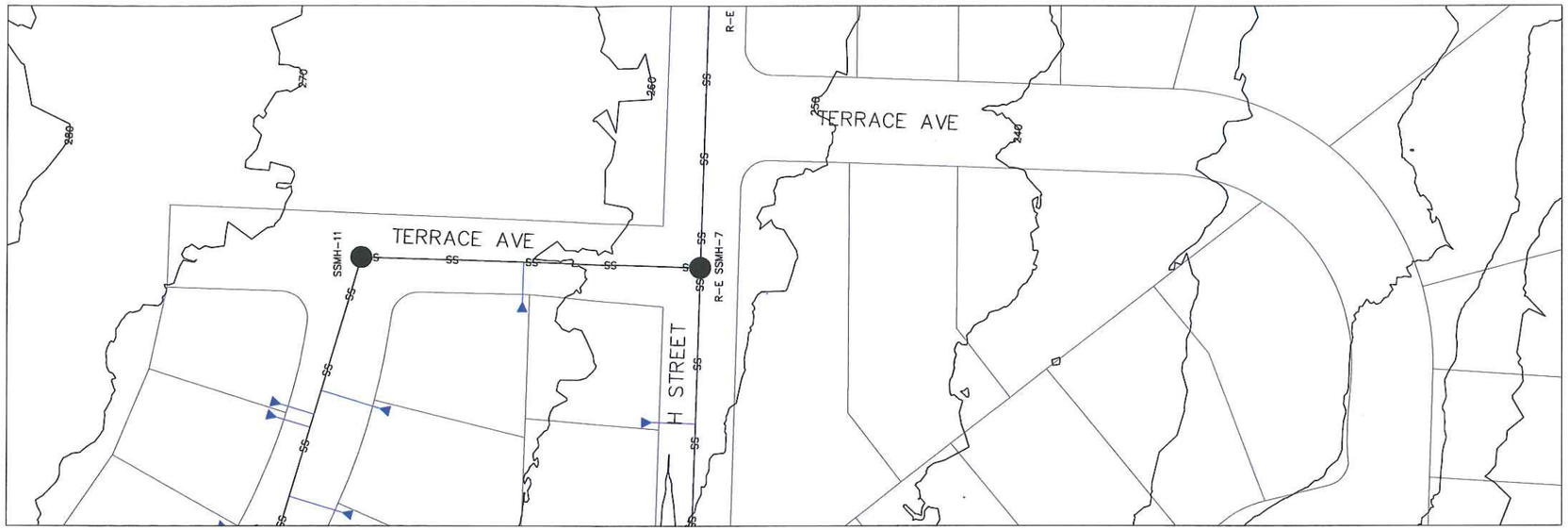

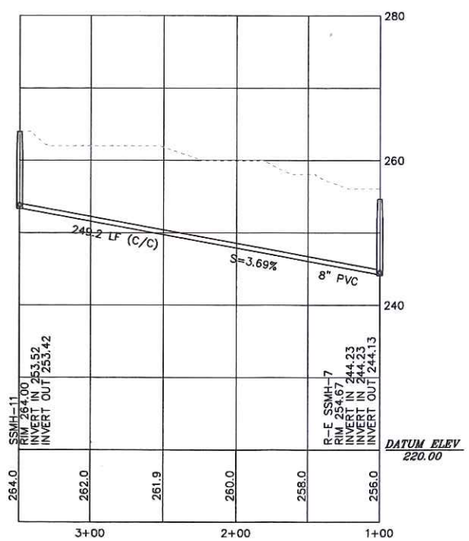

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TERRACE AVENUE
PRELIMINARY SEWER
PLAN AND PROFILE

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3 OF: 6