



DATE: 01-26-12

SUBJECT: Storm Manhole and Inlet Measure Down Information logs.

Note: All pipe sizes, types, and invert measurements are approximate, and must be verified prior to engineering design and construction. All measurements are taken from the surface of manholes and structures. This is due to survey crew safety restrictions on entry into confined structures and manholes.

MANHOLE MEASURE DOWN INFORMATION



12265 W. Bayaud Avenue, Suite 130
Lakewood, Colorado 80228
P: 303.989.1461 F: 303.989.4094

CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE + I-25

JOB NUMBER: 563-0101

DATE: 11-7-11 FIELD CREW: PR

SHEET: 1 OF

DC Point #:	Measure Down	Project Elevation	SKETCH:
7123			
Manhole Description:			
STORM-RIM = 5212.59			
UNABLE SEE OR			
MEASURE PIPES IN			
OR OUT	8.85	5203.74	
INVERT IS TO CENTER OF VAULT/PIE #2-3			RIM ELEVATION: _____
DC Point #:			SKETCH:
Manhole Description:			
DC Point #:			SKETCH:
Manhole Description:			
DC Point #:			SKETCH:
Manhole Description:			
DC Point #:			SKETCH:
Manhole Description:			
			RIM ELEVATION: _____

INLET MEASURE DOWN INFORMATION



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JOB NAME: 6th AVE + I-25
 JOB NUMBER: 563-0101
 DATE: 11-7-11 FIELD CREW: PR
 SHEET: 2 OF

DC Point #:	Measure Down	Project Elevation	SKETCH:
7124			
Lid Elevation: 5206.20			
Inlet Description: 3' x 5' TYPE "C"			
IN SOUTH 18" RCP	2.30	5203.90	
OUT NORTHWEST 18" RCP	2.39	5203.81	
PIC # 1			
7172			
Lid Elevation: 5202.16			
Inlet Description: TYPE "C"			
IN EAST 24" RCP	5.20	5196.96	
OUT WEST 24" RCP	5.30	5196.86	
PIC # 4			
7174			
Lid Elevation: 5200.22			
Inlet Description: TYPE "C"			
OUT WEST 24" RCP	2.57	5197.65	
PIC # 5			
7186			
Lid Elevation: 5205.92			
Inlet Description: TYPE "C"			
IN EAST 18" PVC	4.20	5201.72	
IN NORTH EAST 24" PVC	3.62	5202.36	
OUT NORTHWEST 24" PVC	4.50	5201.42	
PIC # 6			

INLET MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE + I-25
 JOB NUMBER: 563-0101
 DATE: 11-08-11 FIELD CREW: PR
 SHEET: 3 OF

DC Point #:	Measure Down	Project Elevation	SKETCH:
7189			SKETCH: 6 th AVE
Lid Elevation:			
Inlet Description: TYPE "R"	N/A		
FILLED WITH DEBRIS - UNABLE TO MEASURE DOWN			
PICS 12 + 13			
7231			SKETCH:
Lid Elevation: 5202.75			
Inlet Description: TYPE "C"			
IN SOUTH 18" RCP	3.60	5199.15	
IN SOUTHEAST 18" RCP	4.38	5198.37	
OUT NORTHWEST 18" RCP	4.40	5198.35	
PIC 7			
7240			SKETCH:
Lid Elevation: 5205.42			
Inlet Description: TYPE "C"			
OUT NORTH 18" RCP	3.62	5201.80	
PIC 8			
7249			SKETCH:
Lid Elevation: 5203.16			
Inlet Description: TYPE "C"			
5' x 3'			
IN NORTH 18" RCP	5.15	5198.01	
OUT SOUTH 18" RCP	5.50	5197.66	
PIC 9			

INLET MEASURE DOWN INFORMATION



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JOB NAME: 6th AVE + J-25
 JOB NUMBER: 563-0101
 DATE: 11-08-11 FIELD CREW: PR
 SHEET: 4 OF

DC Point #:	Measure Down	Project Elevation	SKETCH:
7250			
Lid Elevation: 5217.36			
Inlet Description: TYPE "R" 5'			
OUT NORTHEAST 18" RCP	10.22	5207.14	
PICS 10 + 11			
7283			
Lid Elevation: 5200.63			
Inlet Description: TYPE "C"			
2' x 4'		5198.32	
IN SOUTHEAST 18" RCP	2.31	5198.05	
OUT NOR			
PIC 16			
7284			
Lid Elevation: 5202.85			
Inlet Description: TYPE "C"			
2' x 4'			
OUT NORTHWEST 18" RCP	3.50	5199.35	
PIC 15			
7296			
Lid Elevation: 5201.16			
Inlet Description: TYPE "C"			
3.5' x 4'			
OUT SOUTH 18" RCP	2.10	5199.06	
(NOTE: NO LINE VISIBLE IN INLET FROM WEST AS STAKED BY LOCATOR)			
PIC 14			

INLET MEASURE DOWN INFORMATION



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JOB NAME: 6th AVE. + I-25
 JOB NUMBER: 563-0101
 DATE: 11-10-11 FIELD CREW: PR
 SHEET: 5

DC Point #:	Measure Down	Project Elevation	SKETCH:
7452			
Lid Elevation: 5220.01			
Inlet Description: TYPE "C"			
OUT NORTH 15" RCP	2.51	5217.50	
PIC 1			
7464			
Lid Elevation: 5206.18			
Inlet Description: TYPE "C"			
OUT SOUTH WEST 18" RCP	1.85	5204.33	
DC Point #:			
Lid Elevation:			
Inlet Description:			
DC Point #:			
Lid Elevation:			
Inlet Description:			

INLET MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE + I-25
 JOB NUMBER: 563-0101
 DATE: 11-16-11 FIELD CREW: PR
 SHEET: 5 of

DC Point #:	Measure Down	Project Elevation	SKETCH:
7901			
Lid Elevation: 5206.17			
Inlet Description: TYPE "C"			
OUT SOUTHWEST 18" RCP	1.86	5204.31	
PIC 1			
7488			
Lid Elevation: 5204.88			
Inlet Description: TYPE "R"			
OUT NORTH 12" RCP	2.83	5202.05	
PIC 4			
7487			
Lid Elevation: 5204.30			
Inlet Description: TYPE "R"			
OUT SOUTH 12" RCP	2.85	5201.45	
PIC 5			
7881			
Lid Elevation: 5205.05			
Inlet Description: TYPE "R"			
OUT SOUTHWEST - → TOO MUCH DEBRIS TO MEASURE PIPE SIZE			
PIC 6			

INLET MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th + J-25
 JOB NUMBER: 563-0101
 DATE: 7-16-11 FIELD CREW: PR
 SHEET: 6 of

DC Point #:	Measure Down	Project Elevation	SKETCH:
7587			
Lid Elevation: 5205.74			
Inlet Description: TYPE "D"			
OUT NORTH 12" RCP	2.51	5203.23	
PIC 11			
7593			
Lid Elevation: 5205.90			
Inlet Description: TYPE "R" 5'			
IN EAST 36" RCP	6.03	5199.87	
OUT WEST 36" RCP	6.05	5199.85	
PIC 10			
7596			
Lid Elevation: 5205.14			
Inlet Description: TYPE "R" 5'			
IN EAST 36" RCP	4.60	5200.54	
OUT WEST 36" RCP	4.62	5200.52	
PICS 7+8			
7839			
Lid Elevation: 5205.44			
Inlet Description: TYPE "R" 5'			
OUT SOUTH 18" RCP	3.55	5201.89	
PIC 9			

MANHOLE MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE + I-25
 JOB NUMBER: 563 - 0101
 DATE: 11-16-11 FIELD CREW: PR
 SHEET: 7 OF 06

DC Point #:	Measure Down	Project Elevation	SKETCH:
7882			
Manhole Description: <u>ELECTRIC</u>			
<u>(CODED AS SAN. SEWER)</u>			
<u>PICS 2+3</u>			RIM ELEVATION: _____
DC Point #:			SKETCH:
Manhole Description:			
			RIM ELEVATION: _____
DC Point #:			SKETCH:
Manhole Description:			
			RIM ELEVATION: _____
DC Point #:			SKETCH:
Manhole Description:			
			RIM ELEVATION: _____

MANHOLE MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE + J-25

JOB NUMBER: 563-0101

DATE: 11-17-11 FIELD CREW: PR

SHEET: 7 of

DC Point #:	Measure Down	Project Elevation	SKETCH:
7953			
Manhole Description: STORM			
IN EAST 24" RCP	4.15	5205.03	
IN SOUTH EAST 24" RCP	4.30	5204.88	
OUT NORTHWEST 24" RCP	4.35	5204.83	
RIM EL = 5209.18 (SAND 6" DEEP @ #) PICS 5+6			
7958			
Manhole Description: SEWER			
IN SOUTH 8" CLAY	9.10	5196.30	
OUT NORTH 8" CLAY	9.18	5196.22	
RIM = 5205.40 PIC 8,7			
7911			
Manhole Description: SEWER			
IN WEST 8" CLAY	8.30	5197.29	
OUT NORTH 8" CLAY	8.20	5197.39	
RIM = 5205.59 PIC 9			
DC Point #:			
Manhole Description:			

MANHOLE MEASURE DOWN INFORMATION

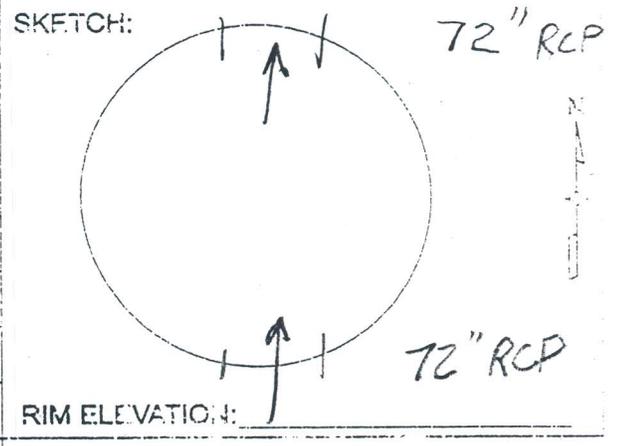


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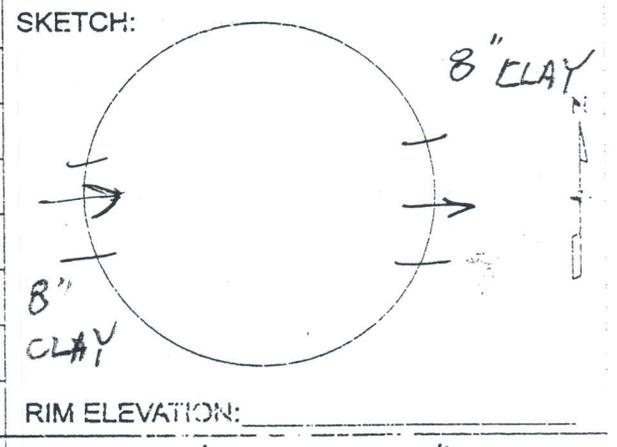
CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE + I-25
 JOB NUMBER: 563-0101
 DATE: 11-18-17 FIELD CREW: PR PG
 SHEET: 10 of

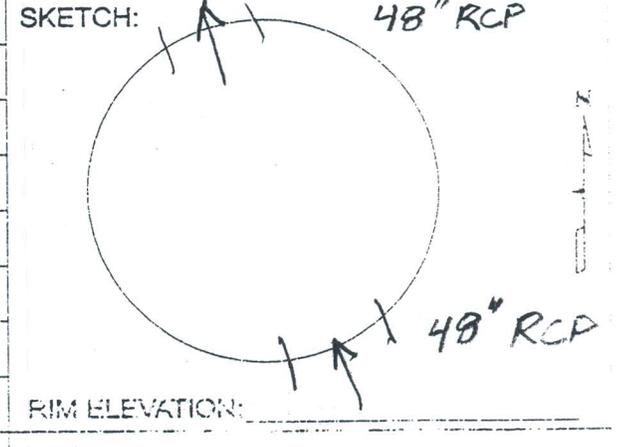
DC Point #: <u>7804</u>	Measure Down	Project Elevation
Manhole Description: <u>SEWER</u>		
<u>OUT NORTH 72" RCP</u>	<u>19.50</u>	<u>5185.36</u>
<u>IN SOUTH 72" RCP</u>	<u>19.40</u>	<u>5185.46</u>
<u>MH RIM = 5204.86</u>		
<u>PICS 1, 2</u>		



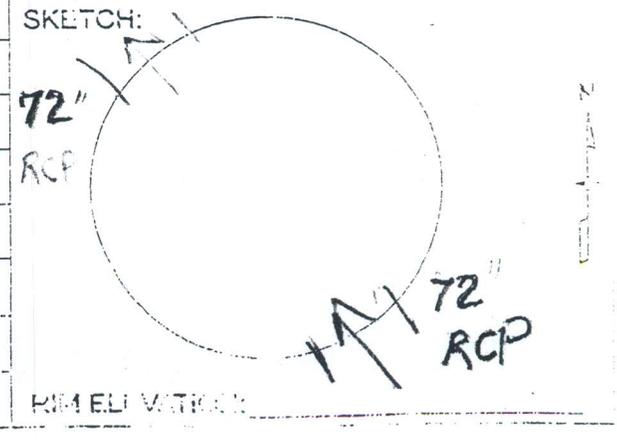
DC Point #: <u>7489</u>	Measure Down	Project Elevation
Manhole Description: <u>SEWER</u>		
<u>IN WEST 8" CLAY</u>	<u>8.40</u>	<u>5197.38</u>
<u>OUT EAST 8" CLAY</u>	<u>8.50</u>	<u>5197.28</u>
<u>MH RIM = 5205.78</u>		
<u>PICS 3, 4</u>		



DC Point #: <u>7473</u>	Measure Down	Project Elevation
Manhole Description: <u>SEWER</u>		
<u>IN SOUTHEAST 48" RCP</u>	<u>12.35</u>	<u>5193.97</u>
<u>OUT NORTH 48" RCP</u>	<u>12.55</u>	<u>5193.77</u>
<u>MH RIM = 5206.32</u>		
<u>PICS 5</u>		



DC Point #: <u>7478</u>	Measure Down	Project Elevation
Manhole Description: <u>SEWER</u>		
<u>IN SOUTHEAST 72" RCP</u>	<u>23.50</u>	<u>5182.69</u>
<u>OUT NORTHWEST 72" RCP</u>	<u>23.60</u>	<u>5182.59</u>
<u>MH RIM = 5206.19</u>		
<u>PICS 6 + 7</u>		



MANHOLE MEASURE DOWN INFORMATION

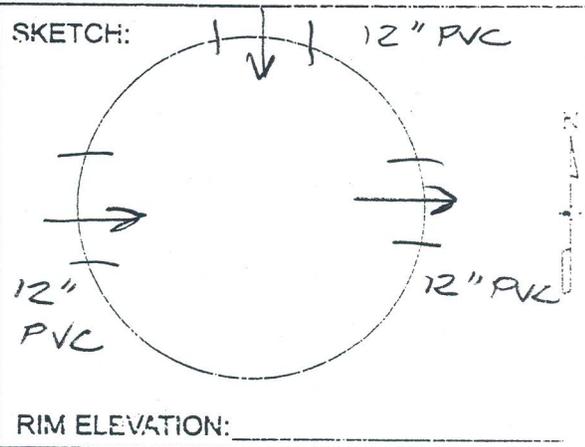


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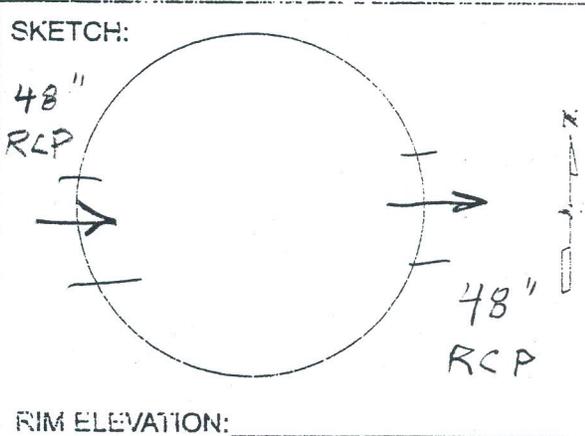
CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE + I-25
 JOB NUMBER: 563-0101
 DATE: 11-18-11 FIELD CREW: PR PG
 SHEET: 11 of

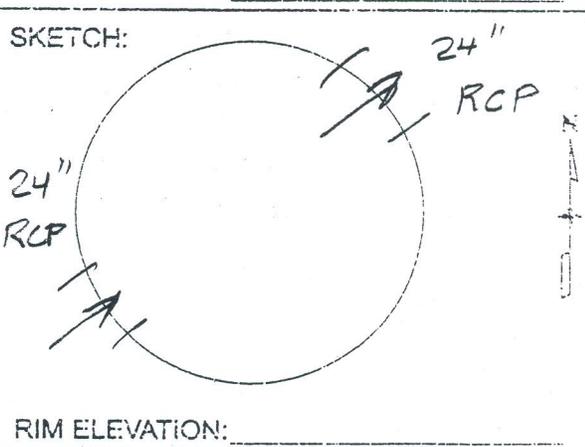
DC Point #:	Measure Down	Project Elevation
7575		
Manhole Description: SEWER		
IN WEST 12" PVC	8.30	5199.75
IN NORTH 12" PVC	8.25	5199.80
OUT EAST 12" PVC	8.25	5199.80
RIM = 5208.05		
PIC 17, 18		



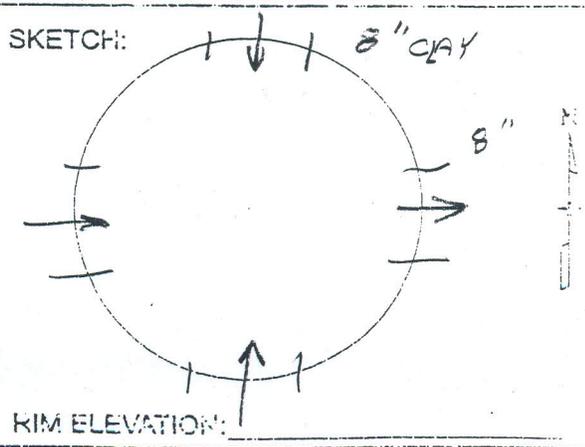
DC Point #:	Measure Down	Project Elevation
7573		
Manhole Description: STORM		
IN WEST 48" RCP	5.50	5202.28
OUT EAST 48" RCP	5.62	5202.16
RIM = 5207.78		
PIC 19, 20		



DC Point #:	Measure Down	Project Elevation
7572		
Manhole Description: STORM		
IN SOUTHWEST 24"	5.75	5202.43
OUT NORTHEAST 24"	5.86	5202.32
RIM = 5208.18		
PIC 21, 22		



DC Point #:	Measure Down	Project Elevation
7781		
Manhole Description: SEWER		
IN NORTH 8" CLAY	6.60	5198.06
OUT EAST 8" CLAY	6.80	5197.86
IN SOUTH 8" CLAY	6.25	5198.41
IN WEST 8" CLAY	6.70	5197.96
RIM = 5204.66		
PIC 23, 24		



MANHOLE MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE + I-25
 JOB NUMBER: 563-0101
 DATE: 11-18-11 FIELD CREW: PR PG
 SHEET: 12 of

DC Point #:	Measure Down	Project Elevation	SKETCH:
7479			
Manhole Description: SEWER			
IN NORTHWEST 12" PVC	9.90	5196.33	
OUT SOUTHEAST 12" PVC	10.10	5196.13	
RIM EL = 5206.23			RIM ELEVATION: _____
PIC - 8, 9			
7480			
Manhole Description: "			
IN WEST 12" PVC	9.45	5196.62	
OUT EAST 12" PVC	9.55	5196.52	
MI RIM = 5206.07			RIM ELEVATION: _____
PIC 10, 11			
7324			
Manhole Description:			
IN EAST 48" RCP	20.15	5186.00	
OUT WEST 48" RCP	20.30	5185.85	
RIM = 5206.15			RIM ELEVATION: _____
PIC 12, 13			
7326			
Manhole Description: SEWER			
IN WEST 12" PVC	7.70	5198.77	
OUT EAST 12" PVC	7.85	5198.62	
IN NORTH 12" PVC	7.70	5198.77	
RIM = 5206.47			RIM ELEVATION: _____
PIC 14, 15, 16			

MANHOLE MEASURE DOWN INFORMATION

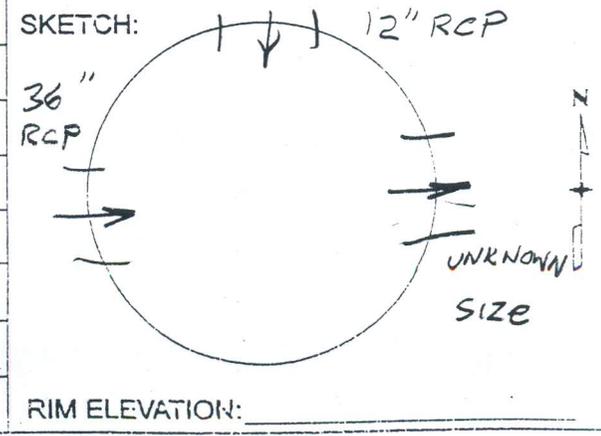
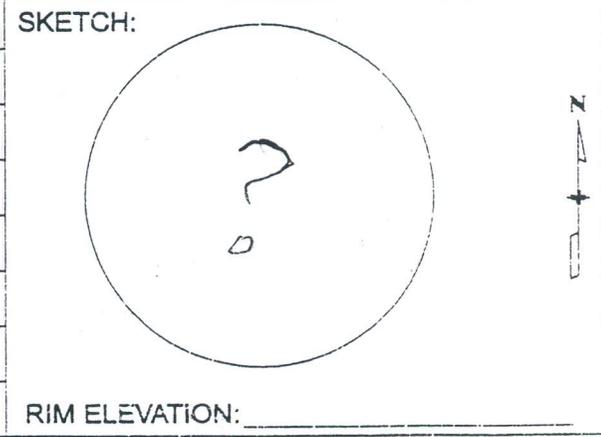
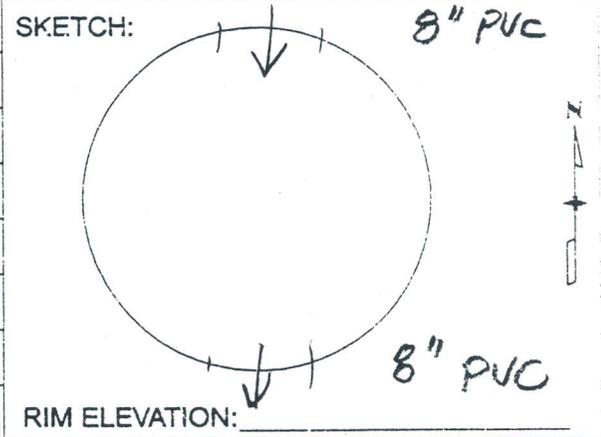
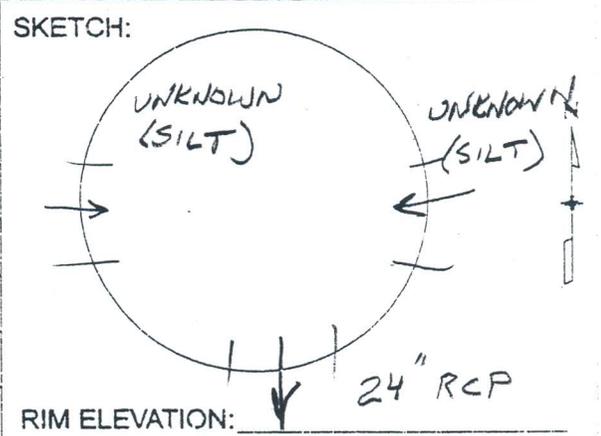


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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE + I-25
 JOB NUMBER: 563-0101
 DATE: 11-18-11 FIELD CREW: PR PG
 SHEET: 13 OF 07

DC Point #:	Measure Down	Project Elevation
7740		
Manhole Description: STORM		
IN EAST ?		
OUT SOUTH 24" RCP	3.30	5202.45
IN WEST ?		
EXCESSIVE SILT + MUD		
RIM = 5205.75		
PIC 25		
7643		
Manhole Description: SEWER		
IN NORTH 8" PVC	5.10	5200.78
OUT SOUTH 8" PVC	5.20	5200.68
RIM 5205.88		
PIC 26, 27		
7644		
Manhole Description: ?		
FILLED WITH WATER		
RIM = 5206.31		
PIC 28		
7607		
Manhole Description: STORM		
IN WEST 36" RCP	5.12	5201.42
IN NORTH 12" RCP	5.10	5201.44
OUT EAST ? RCP	5.30	5201.24
RIM = 5206.54		
PIC 29, 30		



Manhole Description: STORM

IN NORTHWEST 18" RCP 3.25 5204.01

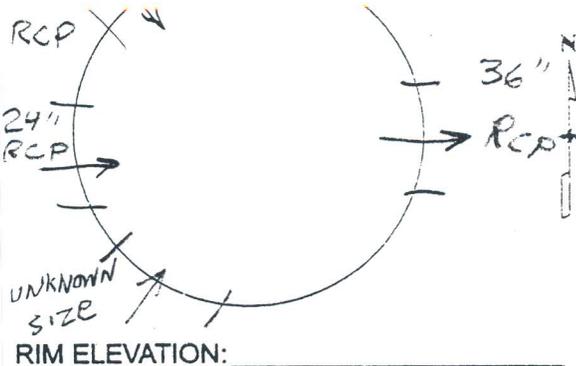
IN WEST 24" RCP 6.30 5200.96

IN SOUTHWEST ? RCP 6.20 5201.06

OUT EAST 36" RCP 6.40 5200.86

RIM = 5207.26

PICS 31, 32



DC Point #: 7590

Manhole Description: STORM

IN WEST 36" RCP 7.40 5198.56

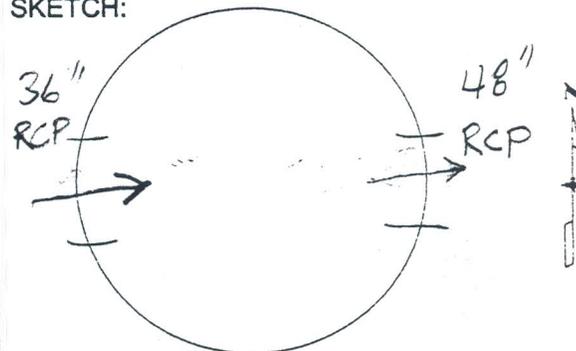
OUT EAST 48" RCP 7.50 5198.46

(IN VAULT MAYBE OTHER
PIPES)

RIM = 5205.96

PIC - 33, 34

SKETCH:



RIM ELEVATION: _____

DC Point #: 7303

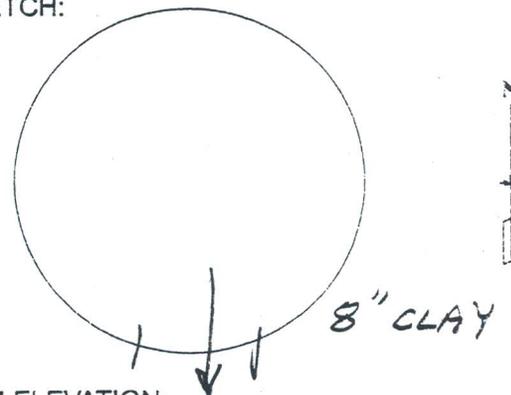
Manhole Description: SEWER

OUT SOUTH 12" PVC 5.50 5200.35

RIM = 5205.85

PIC 35, 36

SKETCH:

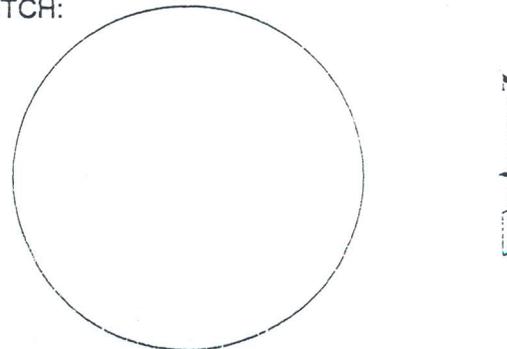


RIM ELEVATION: _____

DC Point #:

Manhole Description:

SKETCH:



RIM ELEVATION: _____

INLET MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: _____

JOB NUMBER: 563-0101

DATE: 1-9-2012 FIELD CREW: PHIL/PETE/SUN

SHEET: 1

DC Point #:	Measure Down	Project Elevation	SKETCH:
3653 MT-1			
Lid Elevation: 5361.17			
Inlet Description: TYPE R 5'			
OUT NORTH 15" RCP? +/-	3.4	5357.77	
6" TO 8" IN OF DEBRIS			
TENNYSON ST PIC pg 62			
DC Point #: MT 16 3646 STORE			
Lid Elevation: 5375.54			
Inlet Description: TYPE R 5'			
OUT NORTH 12" CLAY OR STEEL +/-	2.33'	5373.21	
DC Point #: MT 17 3649 STORE			
Lid Elevation: 5375.09			
Inlet Description: TYPE R 5'			
OUT SOUTH 12" CLAY OR STEEL +/-	2.25'	5372.84	
DC Point #: MT 9 3651 STORED			
Lid Elevation: @ FL 5365.87 FL 3652 STORED			
Inlet Description: TYPE R 5'			
COULD NOT DIP FULL OF ICE AND WATER			
PICTURE pg 60			

ALL PIPE SIZES, TYPES, AND INVERT MEASUREMENTS ARE APPROXIMATE, AND MUST BE VERIFIED PRIOR TO ENGINEERING DESIGN AND CONSTRUCTION. ALL MEASUREMENTS ARE TAKEN FROM THE SURFACE OF MANHOLES AND STRUCTURES. THIS IS DUE TO SURVEY CREW SAFETY RESTRICTIONS ON ENTRY INTO CONFINED STRUCTURES AND MANHOLES.

INLET MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

18192 ST1

JOB NAME: _____

JOB NUMBER: 563-0101

DATE: 1-9-12 FIELD CREW: PHIL/PETE/SUE

SHEET: 2

DC PT #
3657
3656

DC Point #:	Measure Down	Project Elevation	SKETCH:
3655 MT-31			
Lid Elevation: 5353.96			
Inlet Description: TYPE R 5'			
OUT WEST 15" RCP? +/- 5357.82	3.44	5353.89	
IN EAST 15" RCP? +/- 5357.46	3.55	5353.91	
2" TO 3" OF DEBRIS			
3658 MT-30			
Lid Elevation: 5356.97			
Inlet Description: TYPE R 5'			
OUT WEST 15" RCP? +/-	2.85	5354.12	
3" +/- OF DEBRIS			
3660 MT-37			
Lid Elevation: 5354.62			
Inlet Description: TYPE R 5'			
OUT EAST 15" RCP? +/-	3.00	5351.62	
3" TO 5" OF DEBRIS			
3662 MT-42			
Lid Elevation: 5353.32			
Inlet Description: TYPE R 5'			
OUT NORTH 15" RCP +/-	2.00	5351.32	
6" OF DEBRIS			

ALL PIPE SIZES, TYPES, AND INVERT MEASUREMENTS ARE APPROXIMATE, AND MUST BE VERIFIED PRIOR TO ENGINEERING DESIGN AND CONSTRUCTION. ALL MEASUREMENTS ARE TAKEN FROM THE SURFACE OF MANHOLES AND STRUCTURES. THIS IS DUE TO SURVEY CREW SAFETY RESTRICTIONS ON ENTRY INTO CONFINED STRUCTURES AND MANHOLES.

INLET MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: _____

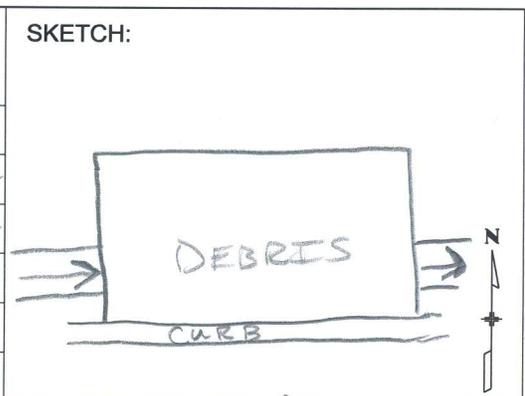
JOB NUMBER: 563-0101

DATE: 1-9-12 FIELD CREW: PHIL/DETE -SWE

SHEET: 3

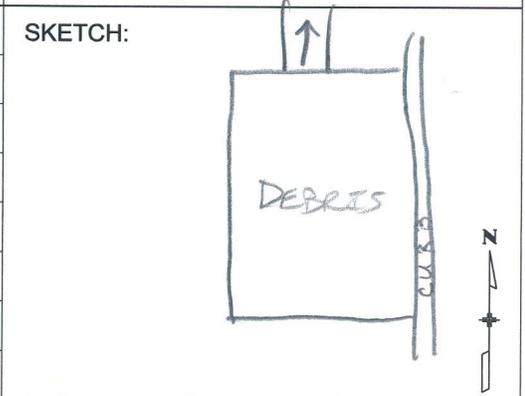
DC PT #
3664
3665

DC Point #:	Measure Down	Project Elevation
3666 MT-44		
Lid Elevation:		
Inlet Description: TYPE R 5'		
IN WEST 15" RCP +/- 5350 ⁴⁹	2 85	5347.64
OUT EAST 15" RCP +/- 5350 ⁵⁴	2 85	5347.69



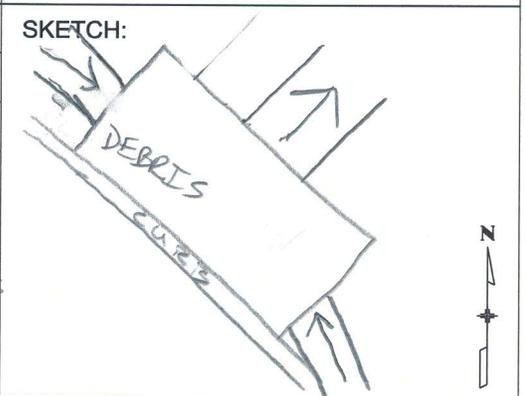
3668

DC Point #:	Measure Down	Project Elevation
3667 M+51		
Lid Elevation:		
Inlet Description: TYPE R 5'		
OUT NORTH 15" RCP +/- 5349 ⁵⁰	2 23	5347.27



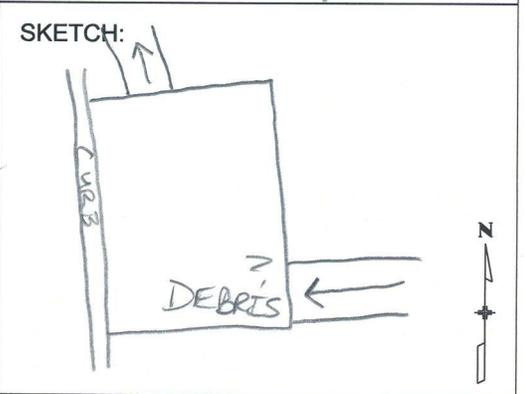
3669
3670
3671

DC Point #:	Measure Down	Project Elevation
3672 MT 60		
Lid Elevation:		
Inlet Description: TYPE R 5'		
IN NW 15" RCP 5347 ⁰⁸ +/-	3 91?	5343 ^{17?}
OUT NE 15" RCP 5347 ¹⁷ +/-	4 00	5343 ¹⁷
IN SE 15" RCP 5347 ⁰⁴ +/-	TOO MUCH DEBRIS	
6" DEBRIS & WATER		



3673
3674

DC Point #:	Measure Down	Project Elevation
3675 MT 59		
Lid Elevation:		
Inlet Description: TYPE R 5'		
OUT NORTH 15" RCP 5347 ⁰¹ +/-	3 35	5343 ⁶⁰
IN EAST 15" RCP 5347 ²³ +/-	3 75?	5343 ⁴⁸



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INLET MEASURE DOWN INFORMATION



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P: 303.989.1461 F: 303.989.4094

CIVIL ENGINEERING & SURVEYING

JOB NAME: _____

JOB NUMBER: 563-0101

DATE: 1-9-12 FIELD CREW: PETE / SUE

SHEET: 4

	DC Point #:	Measure Down	Project Elevation	SKETCH:
3676	3677 MT 58			
	Lid Elevation:			
	Inlet Description: <u>TYP(R) 5'</u>			
	<u>OUT WEST 15" RCP 5346.58 +/- 2 95</u>	<u>5343.63</u>		
3678	3678 MT 61			
	Lid Elevation:			
	Inlet Description: <u>TYP R 5'</u>			
	<u>IN WEST 15" RCP 5345.79 +/- 4 30</u>	<u>5341 49</u>		
3680	<u>OUT EAST 15" RCP 5345.81 +/- 4 40</u>	<u>5341 41</u>		
*	3681 MT 70			
	Lid Elevation:			
	Inlet Description: <u>TYPE R 5'</u>			
	<u>IN WEST 15" RCP</u>			
	<u>OUT EAST 15" RCP</u>			
	<u>2" SILT COULD NOT GET ACCURATE READING</u>			
	<u>Debris</u>			
3683	3682 MT 76			
	Lid Elevation:			
	Inlet Description: <u>TYPE R 5'</u>			
	<u>IN WEST 15" RCP 5342.38 +/- 4 35</u>	<u>5338 03</u>		
3684	<u>OUT NORTH 15" RCP 5342.55 +/- 4 65</u>	<u>5337 90</u>		
3685	<u>IN EAST 15" RCP 5342.35 +/- 4 25 ?</u>	<u>5338 10</u>		

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CIVIL ENGINEERING & SURVEYING

JOB NAME: _____
 JOB NUMBER: 563-0101
 DATE: 1-9-12 FIELD CREW: PETE/SUE
 SHEET: 5

DC Point #:	Measure Down	Project Elevation	SKETCH:
MT 77			
Lid Elevation:			
Inlet Description:			
COMPLETELY ICED OVER - COULD NOT DIP			
3687 DC Point #: 3686	MT 93		
Lid Elevation:			
Inlet Description:			
TYPE R 5' OUT NORTH 15" RCP 5331.95 +/- 2 65 5329 30			
3689 DC Point #: 3688	MT 95		
Lid Elevation:			
Inlet Description:			
TYPE R 5' IN WEST 15" RCP 5329.87 +/- 2 95 5326 92			
3690 OUT NORTH 15" RCP 5329.94 +/- 2 87 5327 07			
DC Point #: 3691	MT 96		
Lid Elevation:			
Inlet Description:			
TYPE R 5'			
Can't get an accurate reading debris + SILT			

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MANHOLE MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: _____
 JOB NUMBER: 563-0101
 DATE: 1-9-12 FIELD CREW: PHIL/PETE/SUF
 SHEET: 1

DC Point #:	Manhole Description:	Measure Down	Project Elevation	SKETCH:	RIM ELEVATION:
MT 18 3650 STORED	STORM				5375.45
	IN N.W. 12" CLAY +/-	3.45	5372.00		
	OUT WEST 12" STEEL +/-	4.15	5371.30		
	IN SOUTH 12" CLAY +/-	4.05	5371.40		
MT 19 3645 STORED	PAVED OVER		5376.49		
	PICTURE PG 1				
DC Point #:	Manhole Description:				
DC Point #:	Manhole Description:				

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INLET MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: US 6TH AVE @ S PLATE SPURWAY

JOB NUMBER: 563-0101

DATE: 1-10-12 FIELD CREW: PEPE / SAUL

SHEET: 1

	Measure Down	Project Elevation	SKETCH:
DC Point #: <u>3695</u> MT <u>132</u>			
Lid Elevation:			
Inlet Description: <u>TYPE R 5'</u>			
<u>3696</u> <u>OUT SOUTH 18" RCP 5256.81</u> \pm <u>2.81</u> <u>5254.00</u>			
<u>PIC # 4 9:43am</u>			
DC Point #: <u>3692</u> MT <u>135</u>			
Lid Elevation:			
Inlet Description: <u>TYPE R 5'</u>			
<u>3693</u> <u>IN NE 15" RCP 5255.86</u> \pm <u>3.98</u> <u>5251.88</u>			
<u>3694</u> <u>OUT SW 15" RCP 5255.56</u> \pm <u>3.69</u> <u>5251.87</u>			
<u>NE SW</u> <u>PIC # 5 & 6 9:45am</u> <u>PIC # 7</u>			
* DC Point #: <u>3697</u> MT <u>125</u>			
Lid Elevation:			
Inlet Description: <u>CONCRETE VALT</u>			
<u>3697</u> <u>IN SOUTH 5258.90</u> <u>10.65</u> <u>5248.25</u>			
<u>OUT NORTH</u> <u>COULD NOT GET OUTLET MEASURE</u>			
<u>PIC # 2 & 3 9:38am</u>			
DC Point #: <u>3699</u> MT <u>117</u>			
Lid Elevation: <u>5267.48</u>			
Inlet Description: <u>TYPE R 10'</u>			
<u>FULL OF DEBRIS NO MEASUREMENTS</u>			
<u>PICTURE # 1 TIME 9:36am</u>			

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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6TH @ S PLATT ? BRYANT ?
 JOB NUMBER: 563-0101
 DATE: 1-10-12 FIELD CREW: PETE / [unclear]
 SHEET: 2

	DC Point #:	Measure Down	Project Elevation	SKETCH:
3701	3700 MT 147			
	Lid Elevation: 5205.93			
	Inlet Description: TYPE R 5'			
3702	IN ^{SOUTH} 24" RCP 5206.04 +/- 3.35 5202 ⁶⁹			
	OUT ^{NORTH} 24" RCP 5205.89 +/- 3.25 5202 ⁶⁴ ↓ SILT BUILDUP PLAN STATES 27" RCP PIC # 8:9 10:36 AM			
	DC Point #:	Measure Down	Project Elevation	SKETCH:
	Lid Elevation:			
	Inlet Description:			
	DC Point #:	Measure Down	Project Elevation	SKETCH:
	Lid Elevation:			
	Inlet Description:			
704	3703 MT 147			
	Lid Elevation:			
	Inlet Description: TYPE R 10'			
	OUT NORTH 24" RCP 5206.68 +/- 4 ¹⁷ 5202 ⁵¹ SILT BUILDUP ?			
	PLAN STATES 27" RCP PIC 10:11 10:44 AM			
706	3705 MT 148			
	Lid Elevation:			
	Inlet Description: TYPE R 5'			
	OUT NORTH 27" RCP 5204.35 +/- 2 ⁸⁵ 5201 ⁵⁰ DEBRIS ? SILT			
707	IN SOUTH 27" RCP 5204.16 +/- 2 ^{57?} 5201 ⁵⁹ DEBRIS SILT			
	PIC # 12:13 11:11 AM			

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INLET MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: _____

JOB NUMBER: 563-0101

DATE: 1-10-12 FIELD CREW: PEA SIA

SHEET: 3

DC Point #:	Measure Down	Project Elevation	SKETCH:
3709 MT 149			
Lid Elevation: 5207.63			
Inlet Description: TYP/R 5'			
FULL OF DEBRIS NO MEASUREMENT			
PIC # 18 @ 11:39 AM			
DC Point #: <u>PREVIOUS 7839</u> <u>CURRENT (3710)</u>			
Lid Elevation:			
Inlet Description: TYP R 5'			
OUT SOUTH 18" RCP 5205.77 +/- 3 91 5201 86			
PIC # 20 @ 12:17			
DC Point #: 3712 PREVIOUS SHOT 7596			
Lid Elevation: 5205 10 MT 136			
Inlet Description: 30" RCP? FULL OF WATER? ICE? NO OBVIOUS FLOW			
CENTER FLOWLINE SHOT +/- 4 65 5200 45			
PIC # 22-25 @ 12:35 pm			
DC Point #: 3713 UNKNOWN MT #			
Lid Elevation: MT 141 ??			
Inlet Description: INLET TYPE C 2715 CODE			
3714 OUT NORTH 12" RCP? 5205.75 +/- 2 85 5202 90			
NE CORN ALCOTT @ 6TH AVE FRONTAGE RD			
PIC # 26 @ 12:52			

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INLET MEASURE DOWN INFORMATION



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PARTNERSHIP

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CIVIL ENGINEERING & SURVEYING

JOB NAME: _____

JOB NUMBER: 563-0101

DATE: 1-10-12 FIELD CREW: Peter J.E.

SHEET: 4

DC Point #:	Measure Down	Project Elevation	SKETCH:
3714 PREV SHOT 7593 MT 140			
Lid Elevation: 5205 92			
Inlet Description:			
30" RCP NO OBVIOUS FLOW			
CENTER FL SHOT	5 99	5999 93	
FULL OF WATER : DEBRIS			
PIC # 28-30 @ 1:02 pm			
DC Point #:			SKETCH:
Lid Elevation:			
Inlet Description:			
DC Point #:			SKETCH:
Lid Elevation:			
Inlet Description:			
DC Point #:			SKETCH:
Lid Elevation:			
Inlet Description:			

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MANHOLE MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th Ave & Bryant

JOB NUMBER: 563-0101

DATE: 1-10-12 FIELD CREW: PETE/SUE

SHEET: 1

DC Point #:	Measure Down	Project Elevation	SKETCH:
3708 ^{NO MT#}			<p>X CENTER DIP</p> <p>RIM ELEVATION: <u>5207.23</u></p>
Manhole Description: <u>STORM</u>			
IN NW 15" RCP +/- 3 ³⁷	5203 ⁸⁶		
IN WEST 24" RCP +/- 6 ^{35?}	5200 ⁸⁸		
IN SW 27" RCP +/- 5 ^{85?}	5201 ³⁸		
OUT EAST 36" RCP +/- ?			
<u>14-16+17 CENTER DIP</u> +/- 5 ⁹⁰	5201 ³³		
DC Point #: 3712 ^{PREV SHOT 7596}			<p>CENTER DIP → X</p> <p>NO FLOW</p> <p>RIM ELEVATION: <u>5205.1</u></p>
Manhole Description: <u>STORM</u> ^{MT 136}			
<u>FULL OF WATER NO FLOW</u>			
CENTER DIP +/- 4 ⁶⁵			
DC Point #:			<p>RIM ELEVATION: _____</p>
Manhole Description:			
DC Point #:			<p>RIM ELEVATION: _____</p>
Manhole Description:			

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JOB NAME: 6 TH AVE & BRYANT
 JOB NUMBER: 563-0101
 DATE: 1-13-12 FIELD CREW: PETE/SUE
 SHEET: 1

DC Point #:	Measure Down	Project Elevation	SKETCH:
3726 MT-6			
Manhole Description: UNDETERMINED			
IN 18" RCP TOP 8'7"	10'4"	5350.46	
OUT TOP 9'65"	10'45"	5350.41	
CORN 6TH & TENN			
Pic# 2 & 3 & 4			RIM ELEVATION: <u>5360.86</u>
3743 MT 03			
Manhole Description: SEWER			
N OUT 12" PVC 7'-6" 70		5331.93	
SW IN 12" PVC 7'-2" 6'71		5331.92	
Pic 22 & 23			RIM ELEVATION: <u>5338.63</u>
3745 NO MT #			
Manhole Description: SEWER			
IN NORTH 8" ? 8'11"		5332.67	
OUT SE 8" ? 8'35"		5332.43	
7' TOP			
Pic 26 & 27			RIM ELEVATION: <u>5340.78</u>
3748 MT 72			
Manhole Description: SEWER 3997?			
IN NORTH ? T.O.P. 8'70 ? 9'39		5333.17	
OUT SOUTH ? T.O.P. 8'70 ? 9'45		5333.11	
Pic 32 & 33			RIM ELEVATION: <u>5342.56</u>

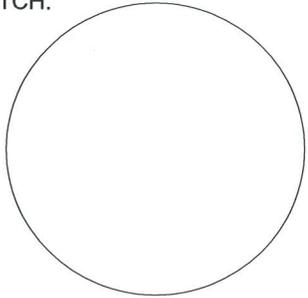
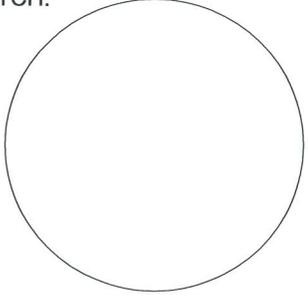
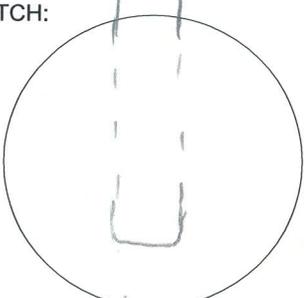
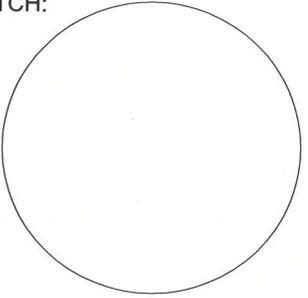
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MANHOLE MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6TH@PLATTE & BRYANT
 JOB NUMBER: 563-0101
 DATE: 1-13-12 FIELD CREW: PETE/SUE
 SHEET: 2

DC Point #:	Measure Down	Project Elevation	SKETCH:
3A49 NO #			
Manhole Description:			
CORNER MEADE & 6TH FRONTAGE			
FROZEN SHUT			
			RIM ELEVATION: _____
3752 NO MT #			
Manhole Description:			
3997 ?			
CORNER NEWTON & 6TH			
LOCKED			
			RIM ELEVATION: <u>5343.58</u>
3755 MT 64			
Manhole Description:			
3997 ?			
NORTH T.O.P. 9 ⁵⁵	10 ⁵⁵	5335 ⁴²	
			RIM ELEVATION: <u>5345.97</u>
DC Point #:			
Manhole Description:			
			RIM ELEVATION: _____

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JOB NAME: 6TH @ PLATE & BRYANT
 JOB NUMBER: 563-0101
 DATE: 1-13-12 FIELD CREW: PETE/SUE
 SHEET: 1

DC Point #:	Measure Down	Project Elevation	SKETCH:
3725 MT-5			
Lid Elevation: 5360.74			
Inlet Description: TYPE R 5'			
FULL OF ICE & DEBRIS NO MEASUREMENTS TAKEN			
CORNER 6TH & TENNYSON			
PIC # 1			
3727 MT-13			
Lid Elevation: 5359.00			
Inlet Description:			
CANNOT FIND MH LID			
3728 MT 103			
Lid Elevation: 5332.07			
Inlet Description: TYPE R 10 FT			
3729 OUT SOUTH 18" RCP 5332.72 7'5 5325 ST			
PIC # 6+7?			
3730 MT 100			
Lid Elevation: 5332.05 FL SHOT			
Inlet Description:			
OUT 12" RCP 5332.75 3'5 5329.00			
PIC # 8+9 10:38 AM			

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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6TH @ PLATE - BRYANT

JOB NUMBER: 563-0101

DATE: 1-13-12 FIELD CREW: TEYE/SWE

SHEET: 2

DC Point #:	Measure Down	Project Elevation	SKETCH:
3732 MT 99			
Lid Elevation: 5332.77			
Inlet Description: ? 279A?			
Full of DEBRIS			
Pick #9			
3733 MT 101			
Lid Elevation: ?			
Inlet Description: ROUND GRATE ? 2782?			
Pick #10			
3734 MT 102			
Lid Elevation: 5332.74			
Inlet Description: TYPE C			
Full of DEBRIS			
Pick # 11			
3738 MT 85			
Lid Elevation: FLOWLINE 5336.05			
Inlet Description:			
OUT 12" RCP	4"	5332.69	
3739 5336.83			
PIC 12.13			

3

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JOB NAME: 6TH @ PLATTE / BRYANT

JOB NUMBER: 563-0101

DATE: 1-13-12 FIELD CREW: PETE / SUE

SHEET: 3

DC Point #:	Measure Down	Project Elevation	SKETCH:
3735 NO MT#			
Lid Elevation: 5331.93			
Inlet Description: TYPE R 5'			
FULL OF ICE			
3 PICS # 14-16 KNOX: 6TH			
3736 NO MT#			
Lid Elevation:			
Inlet Description: TYPE R 10'			
FULL OF WATER NO MEAS			
2 PICS 17+18			
3740 MT 86			
Lid Elevation: 5336.14			
Inlet Description:			
TO MUCH DEBRES			
PIC 19			
3741 MT 88			
Lid Elevation:			
Inlet Description: 2782			
3742 OUT 12" RCP 5337.48 3 65 5333.83			
PIC 20+21			

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 JOB NUMBER: 563-0101
 DATE: 1-13-12 FIELD CREW: PETE SUE
 SHEET: 4

DC Point #:	Measure Down	Project Elevation	SKETCH:
3744 MT 81			
Lid Elevation:			
Inlet Description: TYPE R 5'			
FULL OF DEBRIS			
PIC 24+25			
3746 MT 75			
Lid Elevation:			
Inlet Description: TYPE R 5'			
FULL OF ICE & DEBRIS			
PIC 28+29			
3747 MT 73			
Lid Elevation:			
Inlet Description: TYPE R 5'			
FULL OF ICE & DEBRIS			
PIC 30+31			
3750 MT 69			
Lid Elevation: 5343.05			
Inlet Description: TYPE R 5'			
FULL OF ICE & DEBRIS			

ALL PIPE SIZES, TYPES, AND INVERT MEASUREMENTS ARE APPROXIMATE, AND MUST BE VERIFIED PRIOR TO ENGINEERING DESIGN AND CONSTRUCTION. ALL MEASUREMENTS ARE TAKEN FROM THE SURFACE OF MANHOLES AND STRUCTURES. THIS IS DUE TO SURVEY CREW SAFETY RESTRICTIONS ON ENTRY INTO CONFINED STRUCTURES AND MANHOLES.

INLET MEASURE DOWN INFORMATION



12265 W. Bayaud Avenue, Suite 130
Lakewood, Colorado 80228
P: 303.989.1461 F: 303.989.4094

CIVIL ENGINEERING & SURVEYING

JOB NAME: 6TH & PLATE - BRYANT
 JOB NUMBER: 563-0101
 DATE: 1-13-12 FIELD CREW: PETE/SUE
 SHEET: 5

DC Point #:	Measure Down	Project Elevation	SKETCH:
3751 MT 68			
Lid Elevation: 5344.60			
Inlet Description: TYRE R 5"			
Full of ICE & DEBRIS			
3753 MT 62			
Lid Elevation: 5345.15			
Inlet Description: TYP R 5'			
Full of ICE + DEBRIS			
3754 MT 63			
Lid Elevation: 5344.9			
Inlet Description: TYP R 5'			
Full of ICE + DEBRIS.			
DC Point #:			
Lid Elevation:			
Inlet Description:			

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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6TH @ PLATTE & BRYANT

JOB NUMBER: 563-0101

DATE: 1-23-12 FIELD CREW: PHILIP

SHEET: 1

DC Point #:	Measure Down	Project Elevation	SKETCH:
3732(1-13-12) M+ 99			
Lid Elevation: 5332.78			
Inlet Description: TYPE C 5332.78			
311 IN NE 12" RCP +/- 5.60 5327.18			
312 OUT SOUTH 24" RCP +/- 5.85 5326.93			
3735 PREVIOUS SHOT NO MT			
Lid Elevation:			
Inlet Description: TYPE R			
13 3814 OUT E 15" RCP 5332.01 +/- 3.35 5328.66			
IN W 15" RCP 5331.81 +/- 3.47 5328.71			
3734 PREVIOUS SHOT MT 102			
Lid Elevation:			
Inlet Description: TYPE C			
3815 OUT N 12" RCP? 5332.71 +/- 4.05 5328.66			
3816 IN S 18" RCP 5332.73 +/- 4.05 5328.68			
DEBRIS			
3740 PREVIOUS SHOT MT 80			
Lid Elevation:			
Inlet Description:			
3817 IN NE 12" RCP 5336.18 +/- 5.94 5330.24			
3818 OUT S 12" RCP 5336.17 +/- 5.96 5330.21			

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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6TH @ PLATE = BRYANT

JOB NUMBER: 563-0101

DATE: 1-23-12

FIELD CREW: PAUL / JEFF

SHEET: 2

DC Point #:	MT	Measure Down	Project Elevation	SKETCH:
3744	81			
Lid Elevation:				
Inlet Description: TYPE R S'				
3819 OUT S 15" RCP		5340 ³⁶ +/- 2 ⁴⁹	5337 ⁸⁷	
PICTURE TAKEN 1-13-12 #24+25				
3747	73			
Lid Elevation:				
Inlet Description: TYPE R S'				
3820 OUT SOUTH 15" RCP		5341 ⁸⁴ +/- 2 ⁸⁰	5339 ⁰⁴	
3746	75			
Lid Elevation:				
Inlet Description: TYPE R S'				
3821 OUT SOUTH 15" RCP		5342 ¹⁰ +/- 3 ¹³	5338 ⁹⁷	
3750	69			
Lid Elevation:				
Inlet Description:				
3822 OUT SE 12" RCP		5342 ⁹⁵ +/- 3 ⁰⁴	5339 ⁹¹	
Pic # 2 = 3				

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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6TH @ PLATTE: BRYANT
 JOB NUMBER: 563-0101
 DATE: 1-23-12 FIELD CREW: PHEL...
 SHEET: 3

DC Point #:	MT	Measure Down	Project Elevation	SKETCH:
3751	MT 68			
Lid Elevation:				
Inlet Description: TYPE R S'				
NO MEASUREMENTS				
PIC #1				
3754	MT 63			
Lid Elevation:				
Inlet Description:				
3823 OUT 15" RCP		5344 ⁸² +/- 2 ⁸¹	5342 ⁰¹	
PIC 4:5				
3753	MT 62			
Lid Elevation:				
Inlet Description:				
NO MEASUREMENT				
PIC 6+T				
3826	MT 53			
Lid Elevation:				
Inlet Description: TYPE R S'				
3824 OUT SOUTH 15" RCP		5346 ³⁴ +/- 3 ³⁴	5343 ⁰⁰	
3825 IN EAST 15" RCP		5346 ⁵⁷ +/- 3 ⁵¹	5343 ⁰⁶	
PIC # 8, 9:10				

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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6TH @ PLATE & BRYANT

JOB NUMBER: 563-0101

DATE: 1-23-12 FIELD CREW: PHILIP & KEVIN

SHEET: 4

DC Point #:	MT	Measure Down	Project Elevation	SKETCH:
27 DC Point #: 3828	MT 57			
Lid Elevation:				
Inlet Description: TYPE R S'				
OUT WEST 15" RCP	5346 ⁷⁷ ±	2 ⁶⁶	5344 ⁴⁴	
PIC # 11, 12				
29 DC Point #: 3829	MT 52			
Lid Elevation:				
Inlet Description: TYPE R S'				
IN NORTH 24" RCP	5346 ⁸¹ ±	4 ⁰⁴	5342 ⁷⁷	
30 IN WEST 15" RCP	5346 ⁸² ±	4 ¹³	5342 ⁷⁴	
331 OUT EAST 24" RCP	5346 ⁹³ ±	4 ²⁰	5342 ⁷³	
PERRY @ 6TH PIC # 13, 14, 15				
332 DC Point #: 3833	MT 48			
Lid Elevation:				
Inlet Description: TYPE R S'				
OUT SOUTH 15" RCP	5349 ⁵⁶ ±	2 ⁹⁷	5346 ⁵⁹	
PIC # 16				
335 DC Point #: 3834	MT 43			
Lid Elevation:				
Inlet Description: TYPE 13				
IN WEST 15" RCP	5350 ⁹² ±	4 ⁴⁰	5346 ⁵²	
336 OUT EAST 18" RCP?	5350 ⁸⁹ ±	4 ⁴⁶	5346 ⁴³	
PIC 17 & 18				

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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6TH @ PLATE ? 32-ANT

JOB NUMBER: 563-0101

DATE: 1-23-12 FIELD CREW: PHIL/JOE/L...

SHEET: 5

DC Point #:	Measure Down	Project Elevation	SKETCH:
3837 3838 DC Point #: <u>3839</u> <u>MT 36</u>			
Lid Elevation:			
Inlet Description: <u>TYPE R S'</u>			
<u>IN WEST 15" RCP</u> <u>5354³² +/- 4.60</u> <u>5349⁷²</u>			
<u>OUT EAST 15" RCP</u> <u>5354³⁰ +/- 4.60</u> <u>5349⁷⁰</u>			
<u>PIC # 19 @ 20</u>			
3841 DC Point #: <u>3840</u> <u>MT 35</u>			
Lid Elevation:			
Inlet Description: <u>TYPE R S'</u>			
<u>OUT SOUTH 18" RCP</u> <u>5357⁶⁸ +/- 2.98?</u> <u>5354⁷⁰</u>			
<u>LOTS OF DEBRIS & WATER</u> ←			
<u>PIC # 21</u>			
DC Point #: <u>3725</u> <u>PREVIOUSLY MT-5</u>			
Lid Elevation: <u>(1-13-12)</u> <u>SHOT</u>			
Inlet Description:			
<u>FULL OF DEBRIS</u> <u>NO POSSIBLE MEASUREMENTS</u>			
<u>PIC # 22</u> <u>6TH @ TENNYSON</u>			
DC Point #: <u>3727</u> <u>PREVIOUSLY MT. 13</u>			
Lid Elevation: <u>1-13-12</u> <u>STORES</u>			
Inlet Description:			
<u>NO MANHOLE - FULL OF DEBRIS</u> <u>NO GRATE NO POSSIBLE MEASUREMENTS</u>			
<u>PIC # 23</u> <u>6TH AND VRAIN</u>			

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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6TH @ PLATE & BRYANT

JOB NUMBER: 563-0101

DATE: 1-23-12 FIELD CREW: PHIL/PETE/JC

SHEET: 6

DC Point #:	Measure Down	Project Elevation	SKETCH:
3842 MT 104			
Lid Elevation:			
Inlet Description: TYPE R 10'			
3843 DIP EAST MH 5329 ⁹⁶ +/- 6 ⁵⁹		5323 ³⁷	
OUT NORTH CENTER 24" RCP 5330 ⁰² +/- 6 ⁶⁵		5323 ³⁷	
3844 DIP WEST MH 5330 ⁰⁸ +/- 6 ⁷¹		5323 ³⁷	
PEC #24			
DC Point #:			SKETCH:
Lid Elevation:			
Inlet Description:			
DC Point #:			SKETCH:
Lid Elevation:			
Inlet Description:			
DC Point #:			SKETCH:
Lid Elevation:			
Inlet Description:			

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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th Ave I-25

JOB NUMBER: 18192 ST6 (563-0101)

DATE: 1-24-12 FIELD CREW: PE PG

SHEET: 1 of 2

DC Point #:	Measure Down	Project Elevation	SKETCH:
3901 MT 107			
Lid Elevation: 5326.91			
Inlet Description: TYPE "R" 10'			
OUT EAST 18" RCP	7.22	5319.69	
(CLEAN)			
PIC# 25			
3908 MT 108			
Lid Elevation: WEST 5324.36/EAST 5324.04			
Inlet Description: TYPE "R" 10'			
IN WEST 18" RCP (5324.36)	6.42	5317.94	
OUT SOUTH 18" RCP (5324.04)	6.16	5317.88	
SOME SILT WEST SIDE			
PIC# 28,29			
DC Point #:			SKETCH:
Lid Elevation:			
Inlet Description:			
DC Point #:			SKETCH:
Lid Elevation:			
Inlet Description:			

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MANHOLE MEASURE DOWN INFORMATION



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CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE + I-25
 JOB NUMBER: 563-0101 (18192 ST)
 DATE: 1-25-12 FIELD CREW: PR PG
 SHEET: 1 of 3

DC Point #:	Measure Down	Project Elevation	SKETCH:
3959			
Manhole Description: STORM			
IN SOUTH WEST 18" RCP	9.20	5230.96	
IN SOUTH 15" RCP	9.30	5230.86	
IN SOUTH EAST 18" RCP	9.80	5230.36	
OUT NORTH 24" RCP	9.90	5230.26	RIM ELEVATION: <u>5240.16</u>
PIC #12			
DC Point #: 3960			
Manhole Description: STORM			
IN SOUTH 18" IRON?	14.25	5232.07	
OUT NORTH 18" RCP	14.30	5232.02	
IN EAST 18" PVC	5.30	5241.02	
PIC #34			RIM ELEVATION: <u>5246.32</u>
DC Point #:			
Manhole Description:			
DC Point #:			
Manhole Description:			

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INLET MEASURE DOWN INFORMATION

LUND
 PARTNERSHIP
 12265 W. Bayaud Avenue, Suite 130
 Lakewood, Colorado 80228
 P: 303.959.1461 F: 303.989.4094
 CIVIL ENGINEERING & SURVEYING

JOB NAME: 6th AVE, + I-25
 JOB NUMBER: 563-0101 (18192 ST)
 DATE: 1-25-12 FIELD CRW: PR PG
 SHEET: 2 of 3

DC Point #:	Measure Down	Project Elevation	SKETCH:
3961			
Lid Elevation: 5253.81			
Inlet Description: TYPE "R" 5'			
OUT NORTHWEST 18" PVC	5.02	5248.79	
IN EAST 15" RCP	5.20	5248.61	
PIC 5,6			
DC Point #: 3962			
Lid Elevation: 5254.33			
Inlet Description: TYPE "R" 5'			
OUT NORTH 12" RCP	3.47	5250.86	
NO PK			
DC Point #: 3964			
Lid Elevation: 5254.45			
Inlet Description: TYPE "R" 5'			
SILTED IN NO DIPS			
PICS - 7,8			
DC Point #: 3965			
Lid Elevation: 5255.78			
Inlet Description: TYPE "R" 5'			
SILTED IN NO DIPS (CURB FACE BROKEN)			
PICS - 9,10			

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JOB NAME: 6th AVE + I-25
 JOB NUMBER: 563-0101 (18192 ST)
 DATE: 1-25-12 FIELD CREW: PR PG
 SHEET: 3 of 3

DC Point #:	Measure Down	Project Elevation	SKETCH:
3966 MT 131			
Lid Elevation: 5242.49			
Inlet Description: VANE GRATE (2'x2')			
SILTED IN	N/A		
NO DIPS			
DC Point #: 3967			
Lid Elevation: 5234.50			
Inlet Description: VANE GRATE			
DC Point #: 3968			
Lid Elevation: 5234.73			
Inlet Description: VANE GRATE			
DC Point #: 3969 MT 129			
Lid Elevation: 5242.30			
Inlet Description: VANE GRATE			

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