



Purchasing Division

ADDENDUM NO. 3

DATE: February 22, 2019
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: 2019 Sewer Interceptor Repair and Replacements IFB-4602-19-DH

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. Q. There is a short 10' section of 24" of pipe - MH D1-252-104 and D1-252-010 - that breaks in between Map pages 13 and 14. It is not called out for lining, but appears to be part of the project. Does the City want this segment lined?

A. The segment in question will also be lined as part of the Project.

2. Q. For pedestrian safety purposes, will the City allow a complete trail closure with diversion to Riverside Parkway during construction activities on the trail area?

A. It is the City's desire to keep access open to all portions of the trail during construction by way of signage. The Contractor that is awarded the project shall submit a traffic control plan to the City for approval. The Contractor and Engineer can then coordinate any temporary diversions/closures the Contractor feels is necessary.

3. Q. Are temporary trail closures acceptable?

A. See response above.

4. Q. Since it is an undetermined quantity, will bench construction, if any is needed, be paid from the force account?

A. The Contractor shall notify the engineer if the bench of any manhole is deteriorated beyond what can be rehabilitated, prior to rebuilding it. The costs associated with constructing a new bench will be paid from the force account.

5. Q. It is anticipated that some of the brick manholes on the 24' segments may become damaged during CIPP installation. What is the correct repair the City wants if -

- a. If the brick manhole needs replacement, does the City want brick replacement or is a barrel section acceptable?
- b. If a barrel section is acceptable, does the City have a detail on re-setting a pre-cast concrete cone on top of the brick manhole?
- c. If the brick manhole is replaced, does the City still want Spectrashield or approved MH Rehab product on the new manhole?
- d. Or, since the manhole would be new, does the City want any rehab at all?

A. The Contractor shall maintain caution during CIPP installation so as to not damage existing manholes. The Contractor shall repair any manholes that are damaged during CIPP installation.

a. If a brick manhole is damaged beyond repair, the Contractor shall remove it and replace it with a new concrete manhole. The Contractor shall inform the engineer if any manhole has been damaged during CIPP installation, prior to replacing the damaged manhole. This item will be paid from the force account.

b. This situation does not apply.

c. Yes. The Contractor shall also line any newly installed manholes with the selected lining/coating product.

d. N/A

6. Q. Will the City consider extending the calendar build time to 150 or 180 calendar days?

A. No. Due to multiple projects following in succession within the same area, the CIPP installation must be completed within the stated 120 calendar days.

7. Q. Will the contractor be required to pull a Railroad permit?

A. No. The City will coordinate with Union Pacific Railroad.

8. Q. Does the contractor need to include costs for the permit, Railroad insurance, flagging, and Railroad safety training?

A. No.

9. Q. After site review, we identified approximately 10 quantity 48" manholes that are already lined with Spectrashield. In our past experience, thermal cure has the potential to bond and/or melt to the product. Are we to assume that Spectrashield repairs need to be done to those manholes after installation is complete? Can those repairs be done with any of the approved MH rehab products if they are the selected Subcontractor?

A. The awarded Contractor (if not contracted with SpectraShield) shall coordinate with SpectraShield prior to installing the CIPP on pipe segments that span between existing SpectraShield lined manholes. SpectraShield shall be consulted on inspecting the condition of said manholes, and shall make the determination for further rehabilitation (if needed) on those manholes.

10. Q. Section 6 CIPP Testing requirements call for the contractor to provide samples to the City. Is the City obtaining a 3rd party lab for testing? Who is paying for the testing – Contractor or the City?

A. The City will obtain and pay for the 3rd party testing. The awarded Contractor will still need to provide samples of the installed CIPP to the City.

11. Q. Can the City please confirm the pipe type of the 12", 15", and 18" segments? Maps state they are VCP, but site inspection reveals some of the type as PVC.

A. Please see the updated construction plans and Bid Schedule for existing pipe type and quantity.

12. Q. Question: We would like to have SprayWall manufactured by SprayRoq at 250mils as an approved coating for this project. We are requesting 250mils as SprayWall is a structural Polyurethane and the specified coating of 500mils is foam with a thin top coat of epoxy.

A. The City has approved SprayWall, manufactured by SprayRoq as an "as equal" substitute material for the rehabilitation of the existing manholes.

16. See attached updated Construction plans.

17. See attached updated Bid Schedule. Contractor shall utilized this Bid Schedule when submitting their bid documents.

18. The City has approved GeoKrete, as an "as equal" substitute material for the rehabilitation of the existing manholes.

19. The City has approved Costagra Ecodur, as an "as equal" substitute material for the rehabilitation of the existing manholes.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,



Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado

Bid Schedule: 2019 Sewer Interceptor Repair and Replacement Project

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	626	Portable Sanitary Facility	1.	Lump Sum	\$ _____	\$ _____
2	630	Mobilization	1.	Lump Sum	\$ _____	\$ _____
3	630	Traffic Control (Complete In Place)	1.	Lump Sum	\$ _____	\$ _____
4	630	Traffic Control Flagging	1,000.	Hours	\$ _____	\$ _____
5	630	Traffic Control Plan	1.	Lump Sum	\$ _____	\$ _____
6	SP	Bypass Pumping per City Specifications. See Appendix B in Bid Documents.	1.	Lump Sum	\$ _____	\$ _____
7	SP	Weekly Newsletter- See Bid Documents SC 3.3.13	1.	Lump Sum	\$ _____	\$ _____
8	SP	12 Inch CIPP (Complete in Place) See Appendix D.1/D.2 in Bid Documents.	1,961.	LF	\$ _____	\$ _____
9	SP	15 Inch CIPP (Complete in Place) See Appendix D.1/D.2 in Bid Documents.	895.	LF	\$ _____	\$ _____
10	SP	18 Inch CIPP (Complete in Place) See Appendix D.1/D.2 in Bid Documents.	2,894.	LF	\$ _____	\$ _____
11	SP	24Inch CIPP (Complete in Place) See Appendix D.1/D.2 in Bid Documents.	5,942.	LF	\$ _____	\$ _____
12	SP	30 Inch CIPP (Complete in Place) See Appendix D.1/D.2 in Bid Documents.	4,498.	LF	\$ _____	\$ _____
13	SP	Coat Manhole (48' I.D.) See Sec. 4 (Special Provisions) for Specifications.	240.	VF	\$ _____	\$ _____
MCR		Minor Contract Revisions	---	---	---	\$ <u>80,000.00</u>

Bid Amount: \$ _____

Bid Amount: _____

dollars

Contractor Name:
Contractor Address:
Contractor Phone #:
Contractor Chosen CIPP Curing Method:

2019 SEWER INTERCEPTOR REHABILITATIONS FEBRUARY, 2019

1—Cover Sheet	13—Line B Plan & Profile Sta 0+00 — 5+00	25—4th St Plan & Profile Sta 20+00 — 24+00
2—Standard Abbreviations, Legend and Symbols	14—Line B Plan & Profile Sta 5+00 — 10+00	26—7th St Plan & Profile Sta 0+00 — 4+00
3—Summary of Approximate Quantities	15—Line B Plan & Profile Sta 10+00 — 20+00	27—7th St Plan & Profile Sta 4+00 — 8+00
4—Project Location Map	16—Line B Plan & Profile Sta 20+00 — 30+00	28—9th St Plan & Profile Sta 0+00 — 4+00
5—Keymap Sewer Interceptor Line A	17—Line B Plan & Profile Sta 30+00 — 40+00	29—9th St Plan & Profile Sta 4+00 — 8+00
6—Line A Plan & Profile Sta 0+00 — 10+00	18—Line B Plan & Profile Sta 40+00 — 50+00	30—9th St Plan & Profile Sta 8+00 — 12+00
7—Line A Plan & Profile Sta 10+00 — 20+00	19—Line B Plan & Profile Sta 50+00 — 60+00	31—12th St Plan & Profile Sta 0+00 — 4+00
8—Line A Plan & Profile Sta 20+00 — 30+00	20—4th St Plan & Profile Sta 0+00 — 4+00	32—12th St Plan & Profile Sta 4+00 — 8+00
9—Line A Plan & Profile Sta 30+00 — 40+00	21—4th St Plan & Profile Sta 4+00 — 8+00	33—12th St Plan & Profile Sta 8+00 — 12+00
10—Line A Plan & Profile Sta 40+00 — 50+00	22—4th St Plan & Profile Sta 8+00 — 12+00	34—12th St Plan & Profile Sta 12+00 — 16+00
11—Line A Plan & Profile Sta 50+00 — 57+00	23—4th St Plan & Profile Sta 12+00 — 16+00	35—12th St Plan & Profile Sta 16+00 — 21+00
12—Keymap Sewer Interceptor Line B	24—4th St Plan & Profile Sta 16+00 — 20+00	

UTILITIES AND AGENCIES

AGENCY	NAME	POSITION	ROLE	MAILING ADDRESS	STREET ADDRESS	CITY, STATE	VOICE-WK	FAX
CITY OF GRAND JUNCTION	BRENDAN HINES	PROJECT ENGINEER	PROJECT ENGINEER	333 WEST AVE BLDG	333 WEST AVE BLDG	GRAND JCT., CO 81501	(970) 256-4038	(970) 256-4022
CITY OF GRAND JUNCTION	LEE COOPER	PROJECT ENGINEER	SANITARY SEWER	333 WEST AVE BLDG	333 WEST AVE BLDG	GRAND JCT., CO 81501	(970) 256-4155	(970) 256-4022
GRAND VALLEY IRRIGATION CO	PHIL BERTRAND	MANAGER	IRRIGATION	688 26 RD	688 26 RD	GRAND JCT., CO 81506	(970) 242-2762	
SPECTRUM	JEFF VALDEZ	MANAGER	CABLE TV	2502 FORESIGHT CIRCLE	2502 FORESIGHT CIRCLE	GRAND JCT., CO 81504	(970) 245-8750	(970) 245-6803
CENTURYLINK	CHRIS JOHNSON	ENGINEER	TELEPHONE	2524 BLICHMANN AVE	2524 BLICHMANN AVE	GRAND JCT., CO 81504	(970) 244-4311	(970) 240-4349
UTE WATER	JUSTIN BATES	SUPERVISOR	WATER	PO BOX 460	2190 H 1/4 RD	GRAND JCT., CO 81501	(970) 242-7491	(970) 242-9189
XCEL	STEVE PIBURN	UNIT MANAGER	ELECTRIC	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2664	(970) 244-2664
XCEL	SARAH BARRICAU	UNIT MANAGER	GAS	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2656	(970) 244-2656

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE
REVISION △	_____	_____
REVISION △	_____	_____
REVISION △	_____	_____
REVISION △	_____	_____



Public Works Engineering Division



Know what's below.
Call before you dig.

DRAWING STATUS:	
<input checked="" type="radio"/> PROGRESS	
<input type="radio"/> FINAL CONSTRUCTION DRAWINGS	
<input type="radio"/> ASBUILT	
DESIGNED BY:	
BRENDAN HINES, PROJECT ENGINEER 2019	
REVIEWED BY:	
TRENT C. PRALL, PUBLIC WORKS DIRECTOR 2019	
AUTHORIZED FOR CONSTRUCTION	
TRENT C. PRALL, PUBLIC WORKS DIRECTOR 2019	
ACCEPTED AS CONSTRUCTED	
BRENDAN HINES, PROJECT ENGINEER 2019	

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT
AP	ANGLE POINT
ASB	ANCHORED STRAW BALES
ASB	ALUMINIZED STEEL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BACK OF CURB
BF	BUTTERFLY VALVE
BOW	BACK OF WALK
BCR	BEGIN CURB RETURN
BOT	BOTTOM
BSWMP	BETTER STORM WATER MANAGEMENT PRACTICES CHORD
CA	CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CI	CAST IRON
C,G,& SW	CURB, GUTTER & SIDEWALK
C	CENTER LINE
CL	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COMB	COMBINATION (AS IN STORM SEWER AND SANITARY SEWER)
CONC	CONCRETE
CSM	CITY SURVEY MONUMENT
CSP	CORRUGATED STEEL PIPE
CU	COPPER
DI	DUCTILE IRON
DWY	DRAINWAY
E	ELECTRIC
ECR	END CURB RETURN
EG	EDGE OF GUTTER
EL	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FB	FULL BODY
FC	FACE OF CURB
FG	FINISHED GRADE
F	FLOW LINE
FL	FLANGE
FM	FORCE MAIN
FO	FIBER OPTICS
FS	FAR SIDE
FTG	FOOTING
G	GAS
GB	GRADE BREAK
GM	GAS METER
GV	GATE VALVE
HBP	HOT BITUMINOUS PAVEMENT
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
IRR	IRRIGATION
L	LENGTH OF ARC
LC	LONG CHORD
LF	LINEAR FEET
LL	LONG ARC
LS	SHORT ARC
LT	LEFT
MB	MAILBOX
MCSM	MESA COUNTY SURVEY MONUMENT
MH	MANHOLE
MJ	MECHANICAL JOINT
MW	MILL WRAP
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOP	NO ONE PERSON
NRCP	NON-REINFORCED CONCRETE PIPE
NS	NEAR SIDE
NTS	NOT TO SCALE
OHP	OVERHEAD POWER
OHT	OVERHEAD TELEPHONE
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PIP	PLASTIC IRRIGATION PIPE
POC	POINT ON CURVE
POT	POINT ON TANGENT
PR	PROPOSED
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RG	RESTRAINED GLANDS
RL	LONG RADIUS
ROW	RIGHT OF WAY
RP	RADIUS POINT
RR	RAIL ROAD
RS	SHORT RADIUS
RT	RIGHT
S	SLOPE
SAN	SANITARY
SC	SHORT CHORD
SCD	STANDARD CONTRACT DOCUMENTS
SCH	SCHEDULE
SF	SILT FENCE
SL	SECTION LINE
SSRB	STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
SSUU	STANDARD SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND UTILITIES
STA	STATION
STL	STEEL
STM	STORM
T	TELEPHONE
TAN	LENGTH OF TANGENT
TC	TOP OF CURB
TH	TEST HOLE
TV	TELEVISION
(TYP)	TYPICAL
UU	UNDERGROUND UTILITIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VPC	VERTICAL POINT OF CURVATURE
VPCC	VERTICAL POINT OF COMPOUND CURVATURE
VPRC	VERTICAL POINT OF REVERSE CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WATER
Δ	DELTA ANGLE

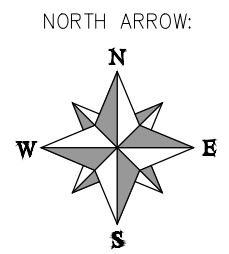
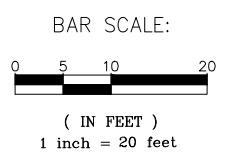
LEGEND

BSWMP	BSWMP
DRAINAGE BASIN BOUNDARY	---
BSWMP	BSWMP
ANCHORED STRAW BALES	ASB ASB ASB ASB ASB ASB ASB ASB
BSWMP	BSWMP
SILT FENCE	SF SF SF SF SF SF SF SF
BUILDING	[Hatched Box]
CONCRETE CURB AND GUTTER	2" CURB AND GUTTER
CONCRETE CURB, GUTTER, & SIDEWALK	7" C, G, & SW
CONCRETE DITCH	CONCRETE
CONCRETE SIDEWALK	4" SW
CULVERT	18" RCP
EARTH DITCH	EARTH . . . EARTH . . . EARTH . . .
EDGE OF GRAVEL	---
EDGE OF PAVEMENT	---
FENCE (BARBED WIRE)	---
FENCE (CHAIN LINK)	---
FENCE (IRON)	---
FENCE (PLASTIC)	---
FENCE (WOOD)	---
FENCE (WOVEN WIRE)	---
GUARD RAIL	---
HATCHING: INDICATES ASPHALT REMOVAL	[Dotted Hatching]
HATCHING: INDICATES CONCRETE REMOVAL	[Diagonal Hatching]
HATCHING: INDICATES STAGING AREA	[Cross-hatched Area]
LINE (CENTER OF IMPROVEMENTS)	CENTERLINE
LINE (CITY LIMITS)	CITY LIMITS
LINE (CONTROL)	CONTROL LINE
LINE (EASEMENT)	---
LINE (MONUMENT/SECTION)	MONUMENT/SECTION LINE
LINE (PROPERTY)	---
LINE (RIGHT OF WAY)	---
MATCH LINE	MATCH LINE SEE SHEET NO ?
PIPE (IRRIGATION)	4" IRR
PIPE (SIPHON)	4" SIPHON

PROPOSED CONCRETE CURB AND GUTTER	=====
PROPOSED CONCRETE CURB, GUTTER, & SIDEWALK	=====
PROPOSED CONCRETE SIDEWALK	=====
PROPOSED "WET" UTILITIES (CONSTRUCTION NOTE WILL INDICATE TYPE, SIZE, AND MATERIAL OF NEW MAIN)	8" PVC SANITARY SEWER
ALL PROPOSED FEATURES NOT SHOWN IN LEGEND WILL BE SHOWN THE SAME AS THEIR EXISTING COUNTERPART, BUT INDICATED BY BOLDER LINETYPE	
RAIL ROAD	[Railroad Symbol]
RETAINING WALL	1" RETAINING WALL
STRIPING (CONTINUOUS WHITE)	WHITE
STRIPING (DASHED WHITE)	WHITE
STRIPING (CONTINUOUS YELLOW)	YELLOW
STRIPING (DASHED YELLOW)	YELLOW
TOP OF SLOPE	4570 4580
TOE OF SLOPE	4570
TRAFFIC DETECTOR LOOP	[Loop Symbol]
UTILITY LINE (ABANDON) (THIS CASE A WATER LINE)	W (ABANDON) 8" W
UTILITY LINE (CABLE TV)	TV TV
UTILITY LINE (ELECTRIC)	E E
UTILITY LINE (FIBER OPTIC)	FO OPT FIBER FO
UTILITY LINE (GAS)	G 1 1/4" M.W. G
UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER)	HV OHP
UTILITY LINE (OVERHEAD POWER)	OHP
UTILITY LINE (OVERHEAD TELEPHONE)	OHT
UTILITY LINE (SANITARY SEWER)	8" SAN
UTILITY LINE (SANITARY SEWER FORCE MAIN)	8" SFM
UTILITY LINE (STORM SEWER)	8" STM
UTILITY LINE (STORM SEWER, PERFORATED)	6" PERF
UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	18" COMB
UTILITY LINE (TELEPHONE)	T T
UTILITY LINE (WATER)	W 8" W

SYMBOLS

BENCH MARK	[Symbol]
CATCH BASIN	[Symbol]
CLEAN OUT	[Symbol]
CURB STOP	[Symbol]
FIRE HYDRANT	[Symbol]
GUY WIRE ANCHOR	[Symbol]
HEADGATE	[Symbol]
IRRIGATION PUMP	[Symbol]
MAILBOX	[Symbol]
MANHOLE (ELECTRIC)	[Symbol]
MANHOLE (GAS)	[Symbol]
MANHOLE (SANITARY/STORM)	[Symbol]
MANHOLE (TELEPHONE)	[Symbol]
MANHOLE (TV)	[Symbol]
MANHOLE (WATER)	[Symbol]
METER (GAS)	[Symbol]
METER (WATER)	[Symbol]
PEDESTAL (TELEPHONE)	[Symbol]
PEDESTAL (TV)	[Symbol]
PROPERTY PIN	[Symbol]
PULL BOX	[Symbol]
REDUCER FITTING	[Symbol]
SIGN OR POST (SIGN TYPE NOTED)	[Symbol]
SPRINKLER HEAD	[Symbol]
STREET LIGHT	[Symbol]
SURVEY MONUMENT (CITY)	[Symbol]
SURVEY MONUMENT (TYPE NOTED)	[Symbol]
TEST HOLE	[Symbol]
TRAFFIC PAINT MARKING	[Symbol]
TRAFFIC SIGNAL POLE AND MAST ARM	[Symbol]
UTILITY POLE	[Symbol]
VALVE (GAS)	[Symbol]
VALVE (IRRIGATION)	[Symbol]
VALVE (WATER)	[Symbol]
VEGETATION (HEDGE OR BUSH)	[Symbol]
VEGETATION (TREE STUMP)	[Symbol]
VEGETATION (TREE) (CALIPER SIZE NOTED)	[Symbol]
WATER HYDRANT	[Symbol]
WEIR	[Symbol]
YARD LIGHT	[Symbol]



REVISION Δ	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ			DESIGNED BY	DATE
REVISION Δ			CHECKED BY	DATE
REVISION Δ			APPROVED BY	DATE

SCALES: PLAN & PROFILE
HORIZONTAL: 1" =
VERTICAL: 1" =



PUBLIC WORKS ENGINEERING DIVISION

CITY OF GRAND JUNCTION STANDARD ABBREVIATIONS, LEGEND, AND SYMBOLS

Bid Schedule: 2019 Sewer Interceptor Repair and Replacement Project

Item No.	CDOT, City Ref.	Description	Quantity	Units
1	626	Portable Sanitary Facility	1.	Lump Sum
2	630	Mobilization	1.	Lump Sum
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13	SP	Coat Manhole (48' I.D.) See Sec. 4 (Special Provisions) for Specifications.	240.	VF

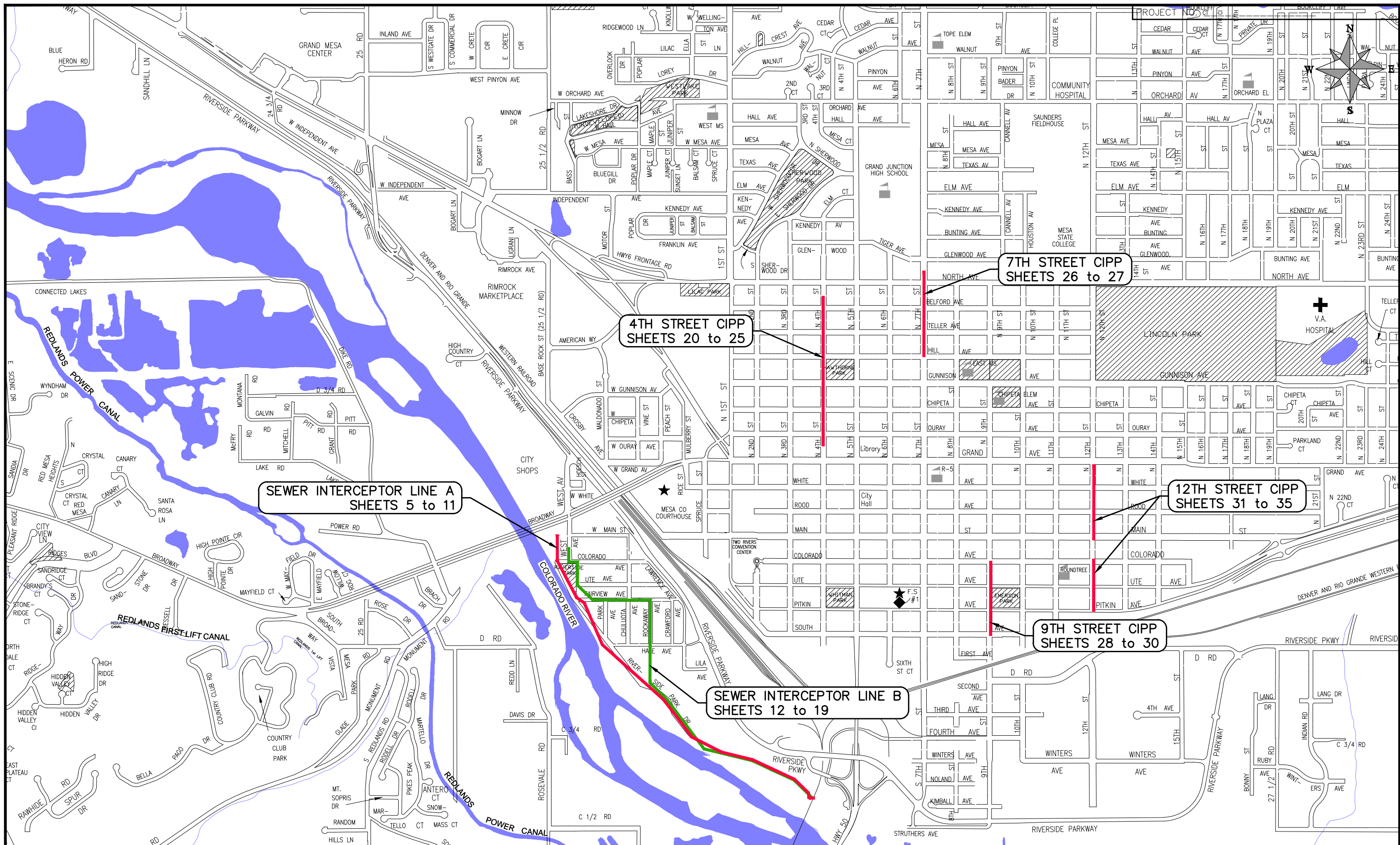
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<small>REVISION</small> Δ _____			<small>DESIGNED BY</small> _____	<small>DATE</small> _____
<small>REVISION</small> Δ _____			<small>CHECKED BY</small> _____	<small>DATE</small> _____
<small>REVISION</small> Δ _____			<small>APPROVED BY</small> _____	<small>DATE</small> _____

SCALES: PLAN & PROFILE
 HORIZONTAL: 1" = _____
 VERTICAL: 1" = _____



PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
SUMMARY OF APPROXIMATE QUANTITIES



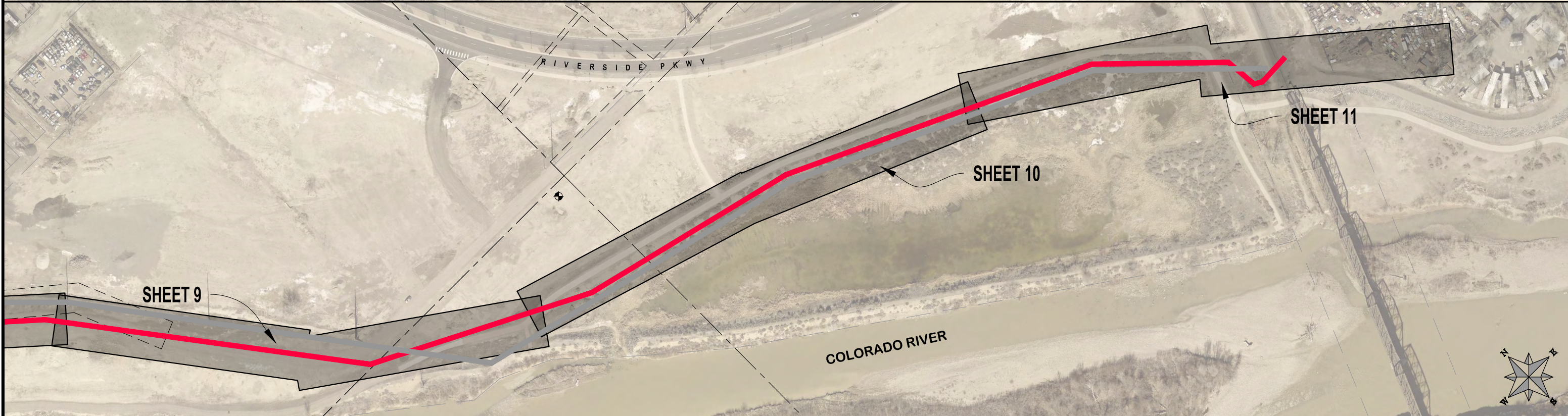
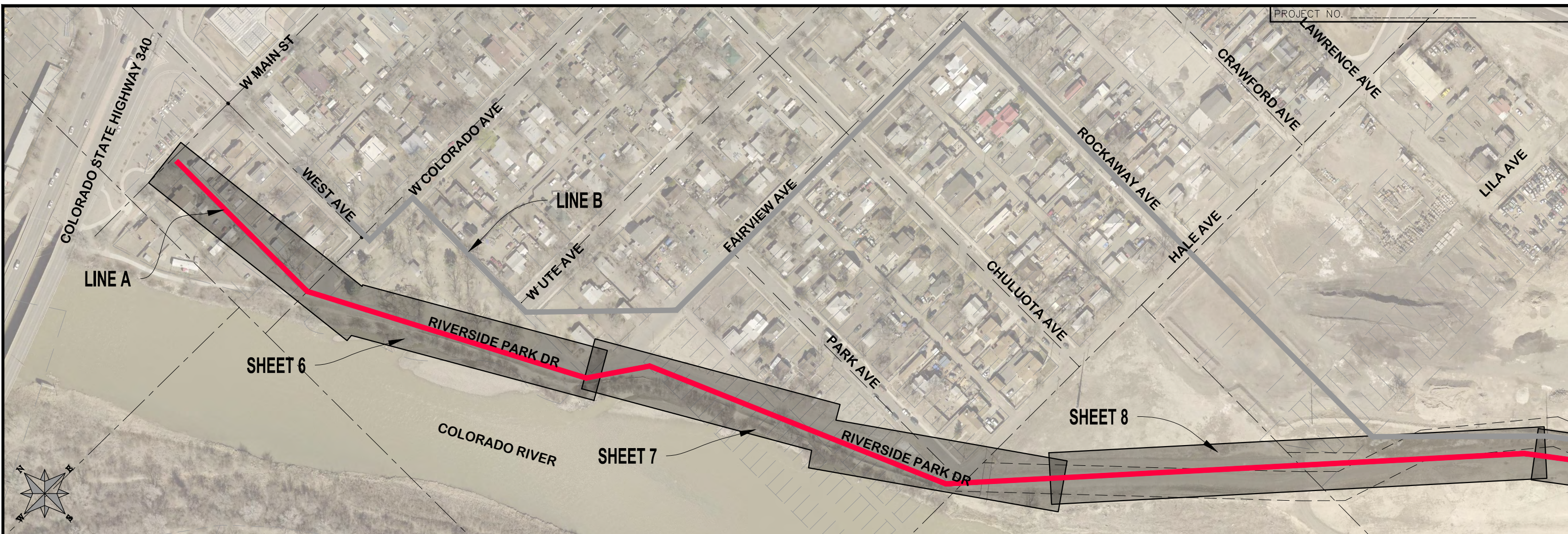
REVISION	DESCRIPTION	DATE	DRAWN BY	HMC	DATE	2019
REVISION			DESIGNED BY		DATE	
REVISION			CHECKED BY		DATE	
REVISION			APPROVED BY		DATE	

SCALES: PLAN & PROFILE
 HORIZONTAL: 1" = 1250'
 0 312.5 625 1250'
 VERTICAL: 1" =



PUBLIC WORKS
 ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
 PROJECT LOCATION MAP



REVISION	DESCRIPTION	DATE	DRAWN BY	HMC	DATE	2018
REVISION	△		DESIGNED BY	JKT	DATE	2018
REVISION	△		CHECKED BY	JKT	DATE	2018
REVISION	△		APPROVED BY	JKT	DATE	2018

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 40'	0 10 20 40
VERTICAL: 1" = 20'	0 5 10 20



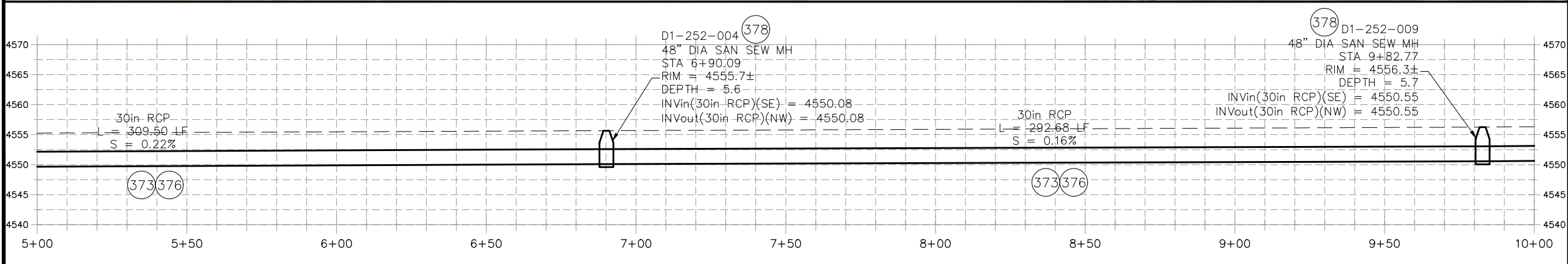
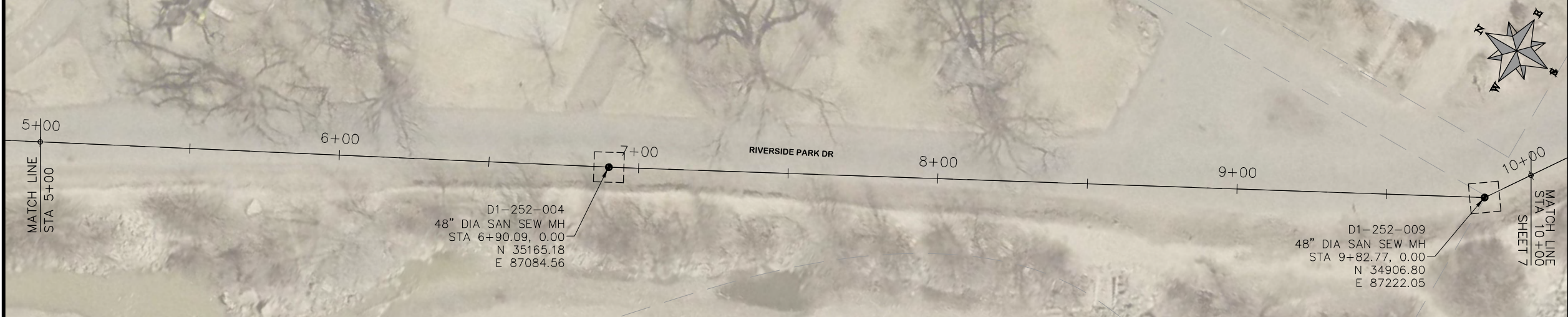
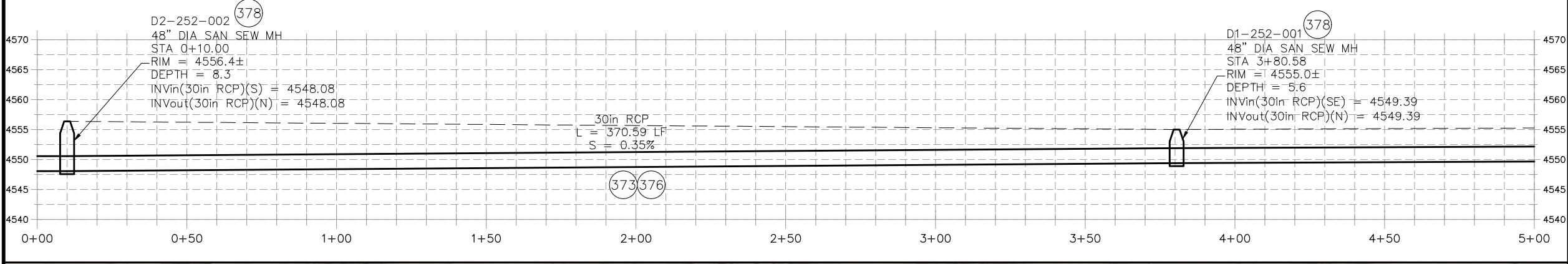
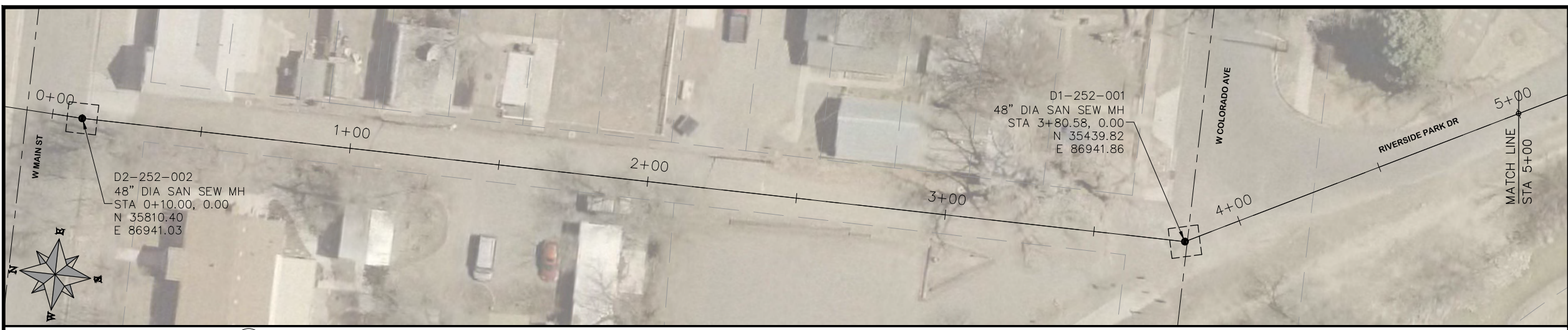
**PUBLIC WORKS
ENGINEERING DIVISION**

**2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A KEYMAP
STA 0+00 TO STA 57+00**

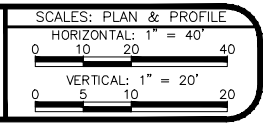
PROJECT NO. _____

CONSTRUCTION NOTES

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REVISION			DESIGNED BY	JKT	DATE	2018
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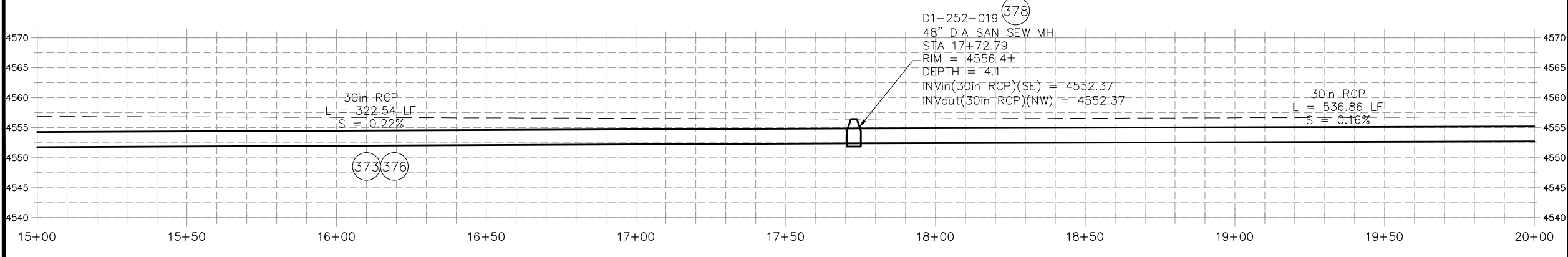
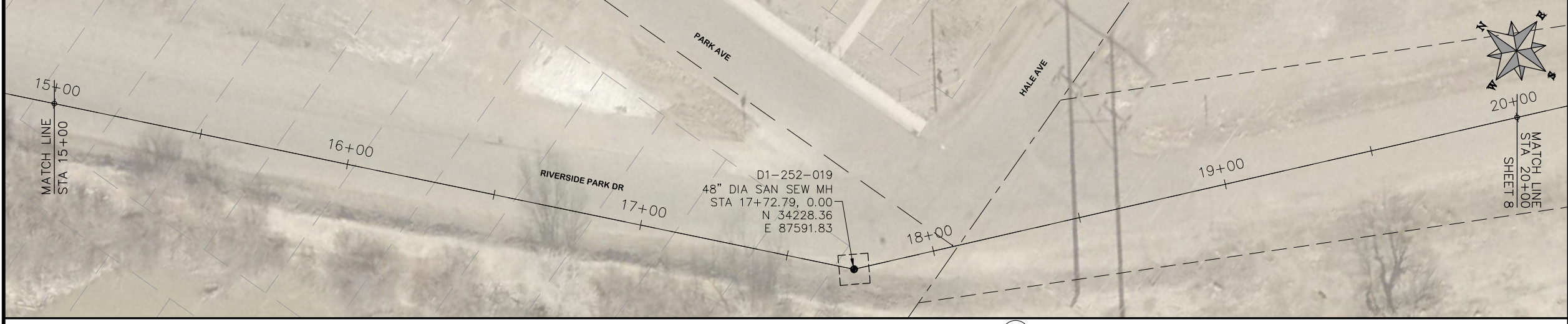
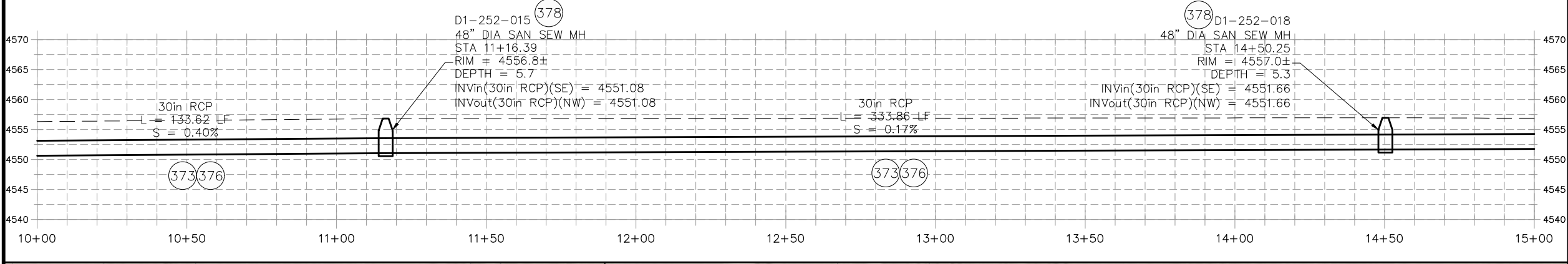
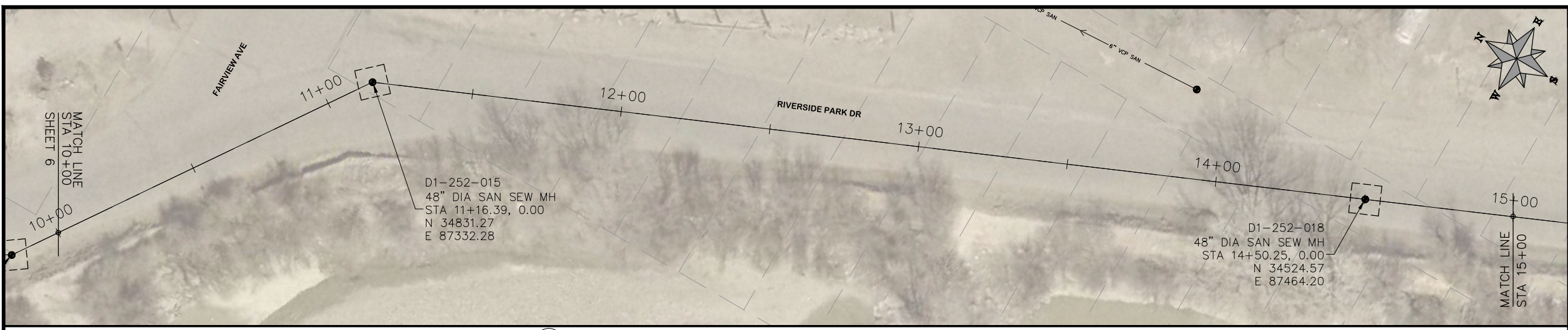
PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A PLAN AND PROFILE
STA 0+00 TO STA 10+00

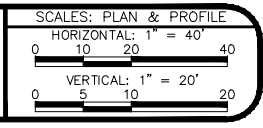
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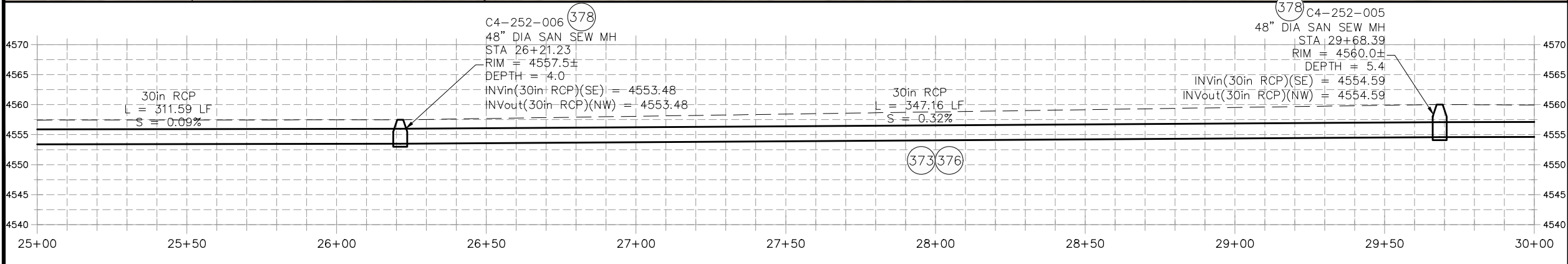
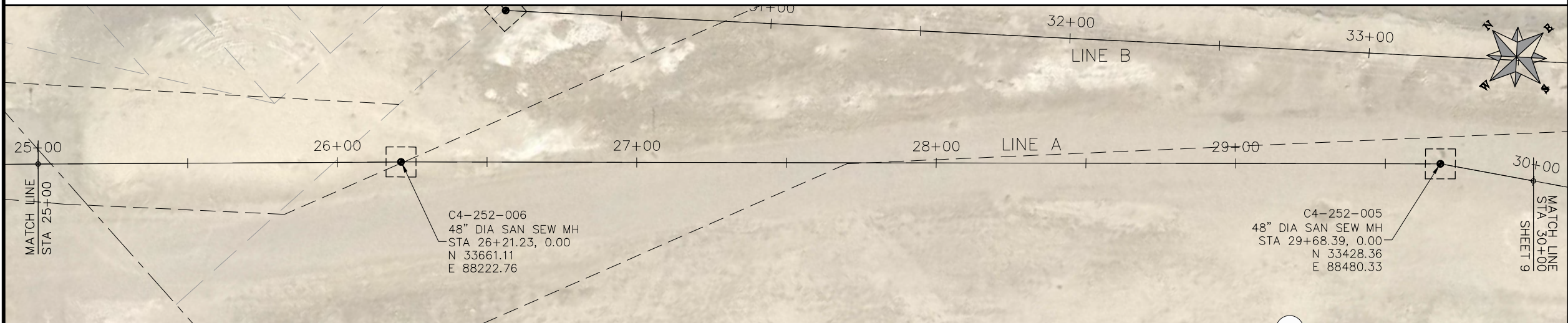
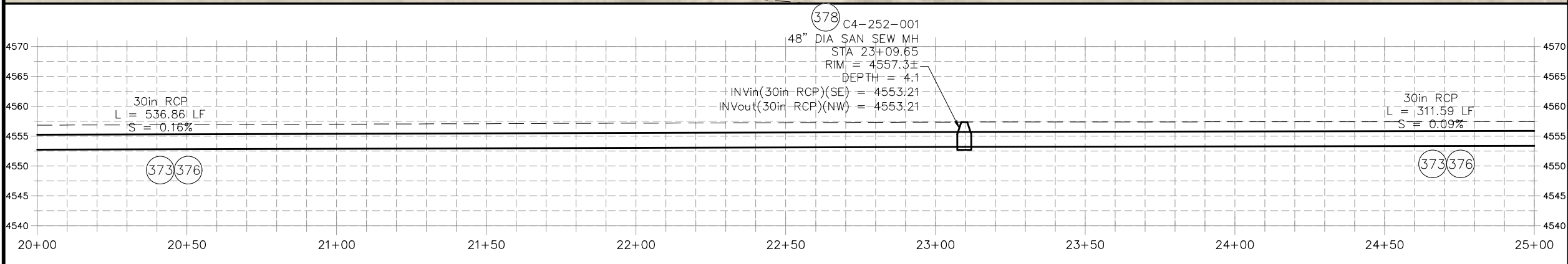
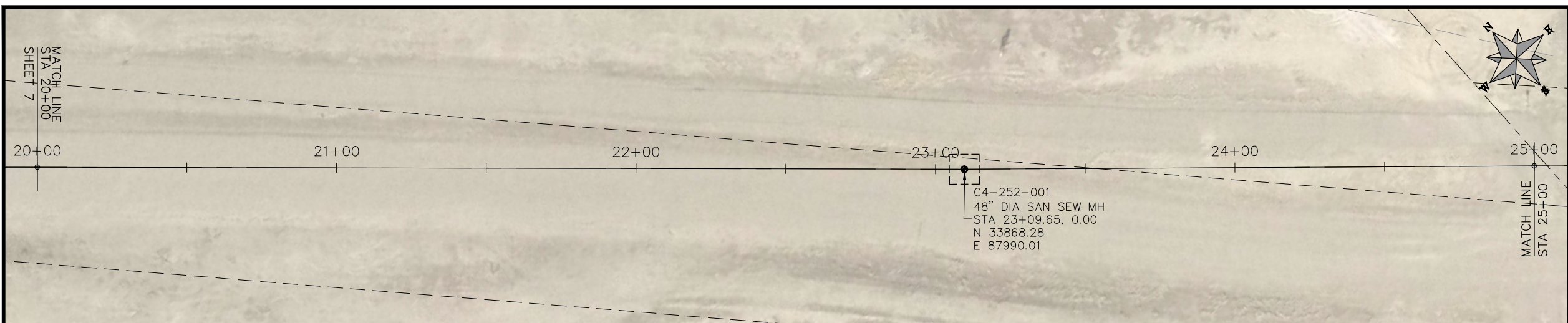
PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A PLAN AND PROFILE
STA 10+00 TO STA 20+00

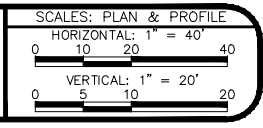
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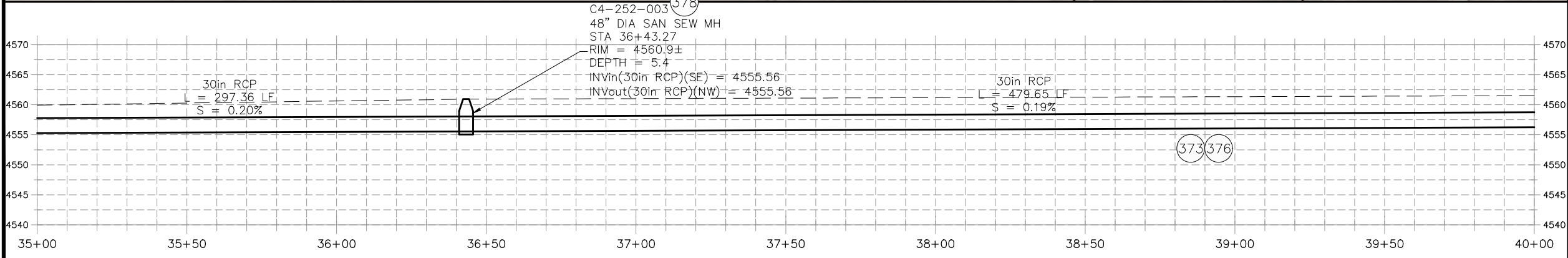
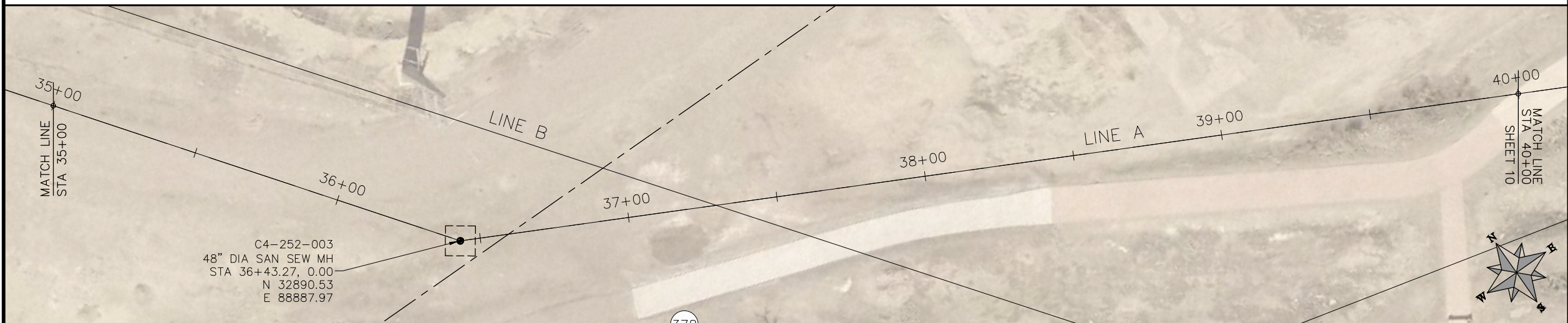
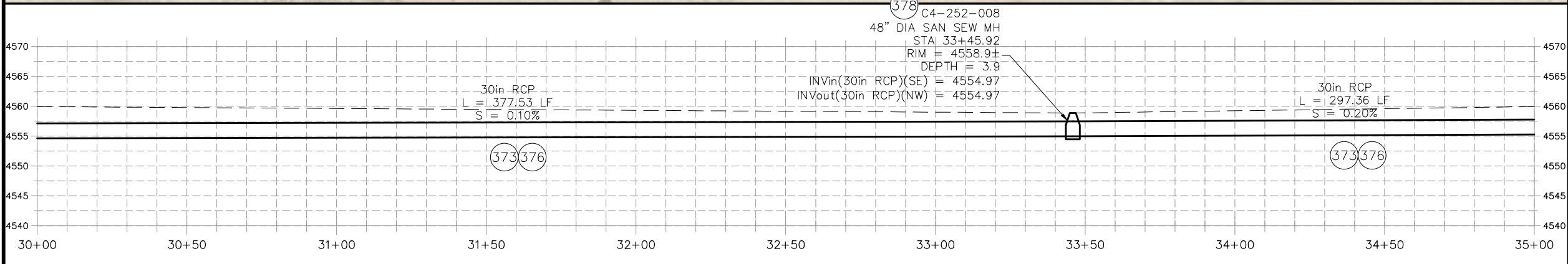
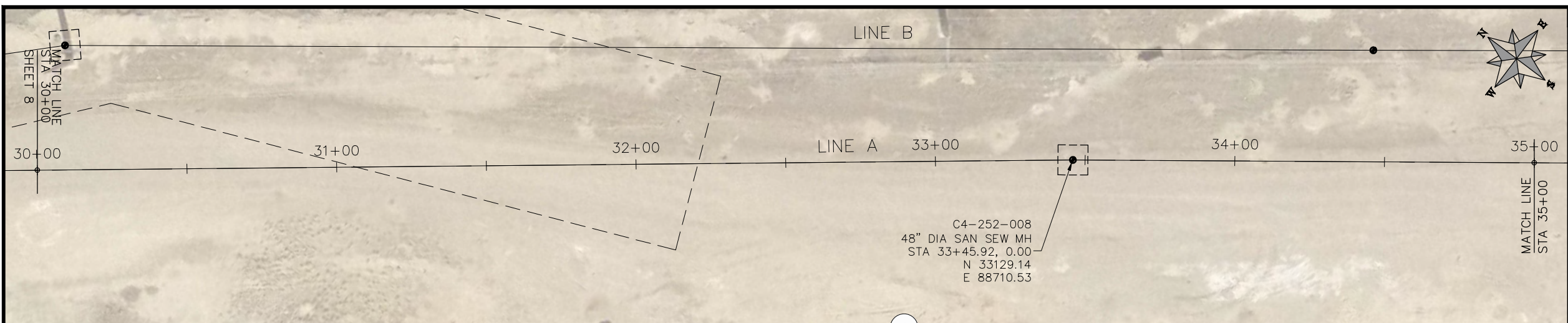
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ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A PLAN AND PROFILE
STA 20+00 TO STA 30+00

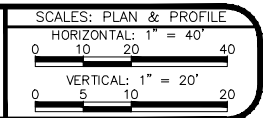
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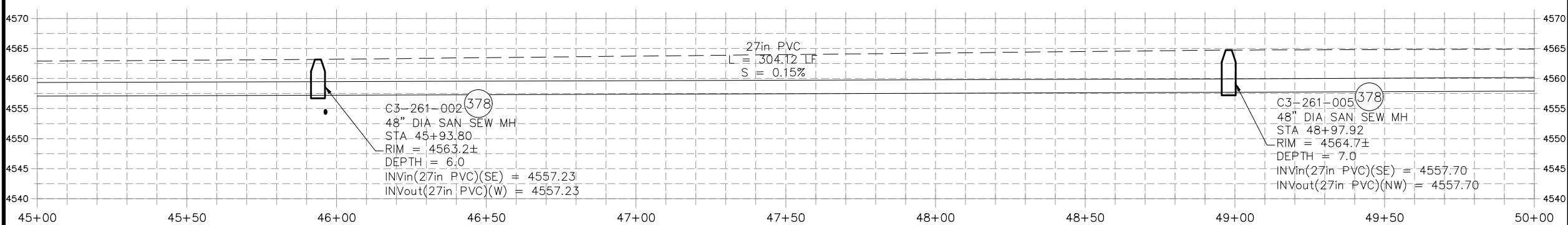
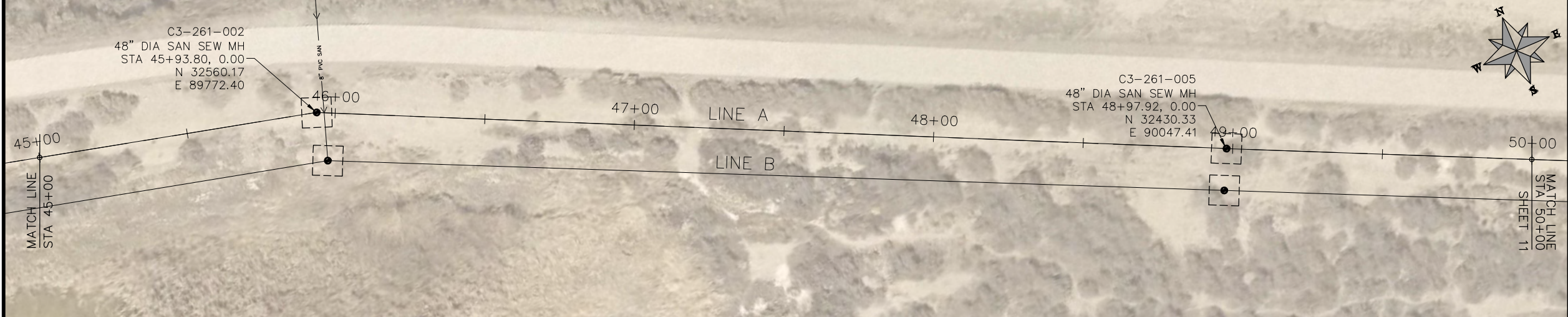
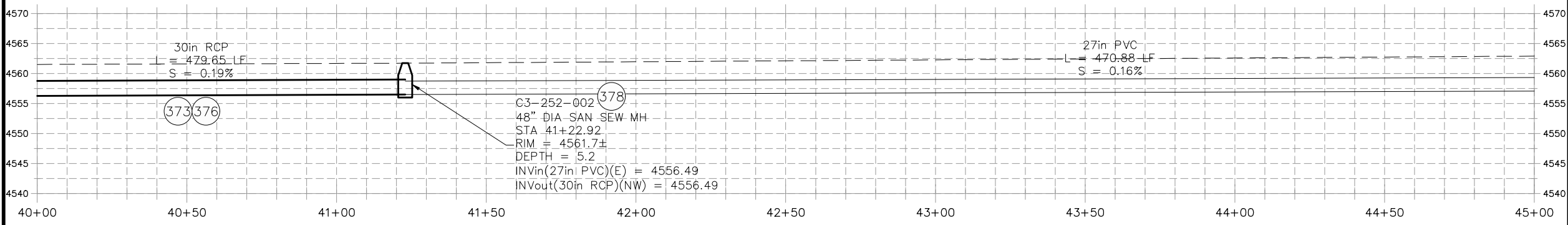
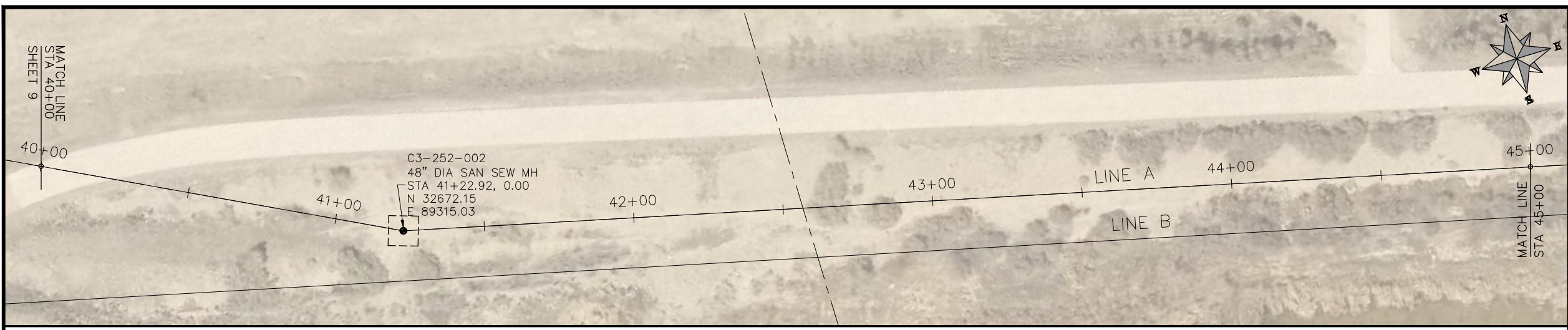
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ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A PLAN AND PROFILE
STA 30+00 TO STA 40+00

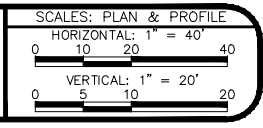
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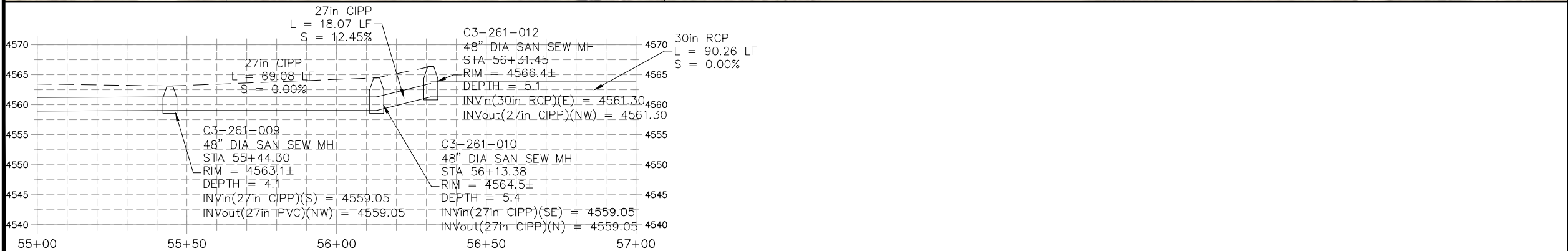
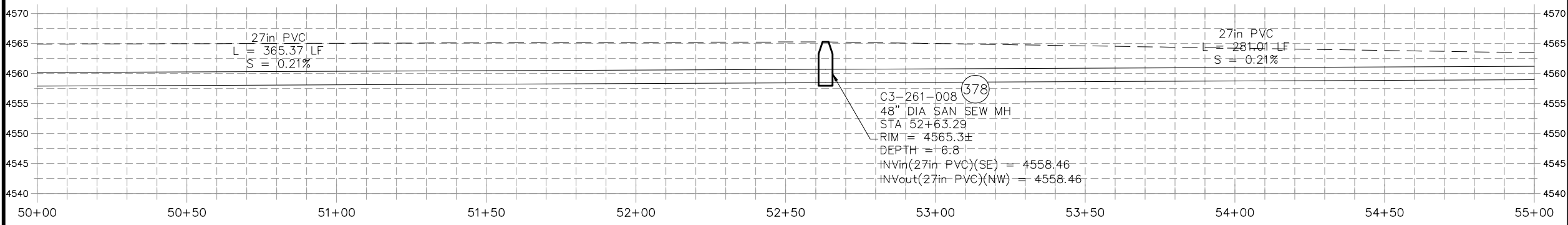
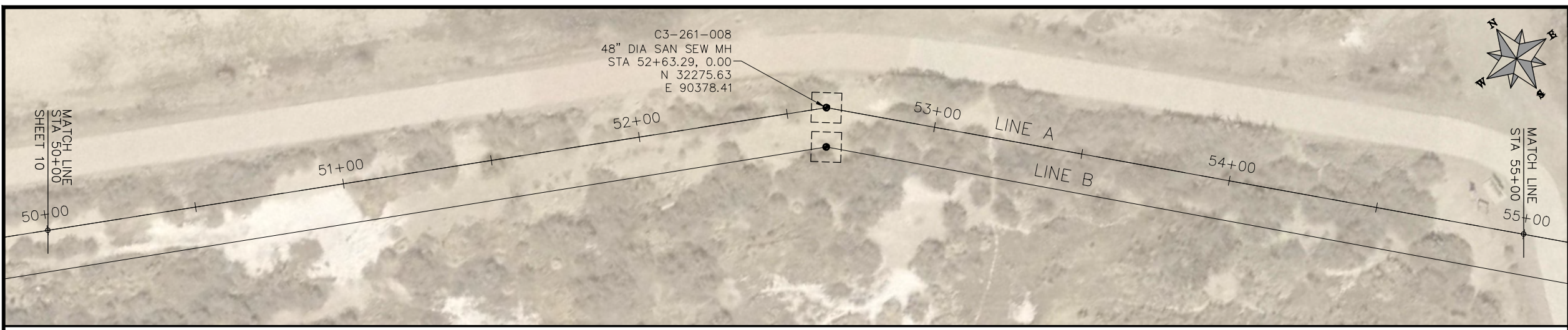
PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A PLAN AND PROFILE
STA 40+00 TO STA 50+00

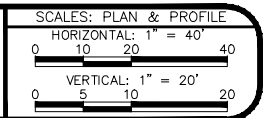
PROJECT NO. _____

CONSTRUCTION NOTES

(378) SP RECONDITION EXISTING MANHOLE AND BENCH. (SEE PROJECT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION).

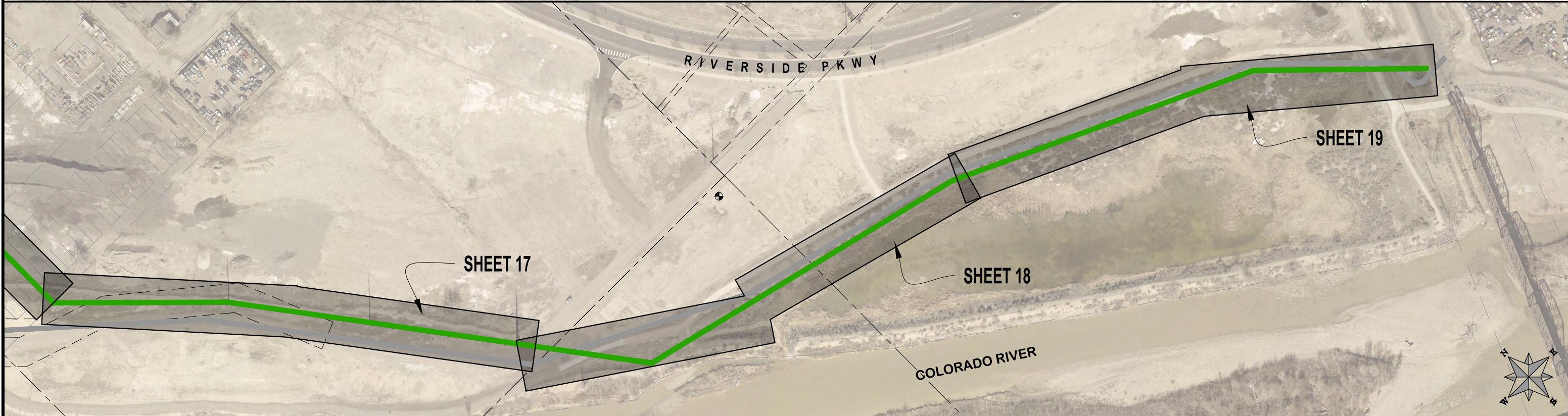
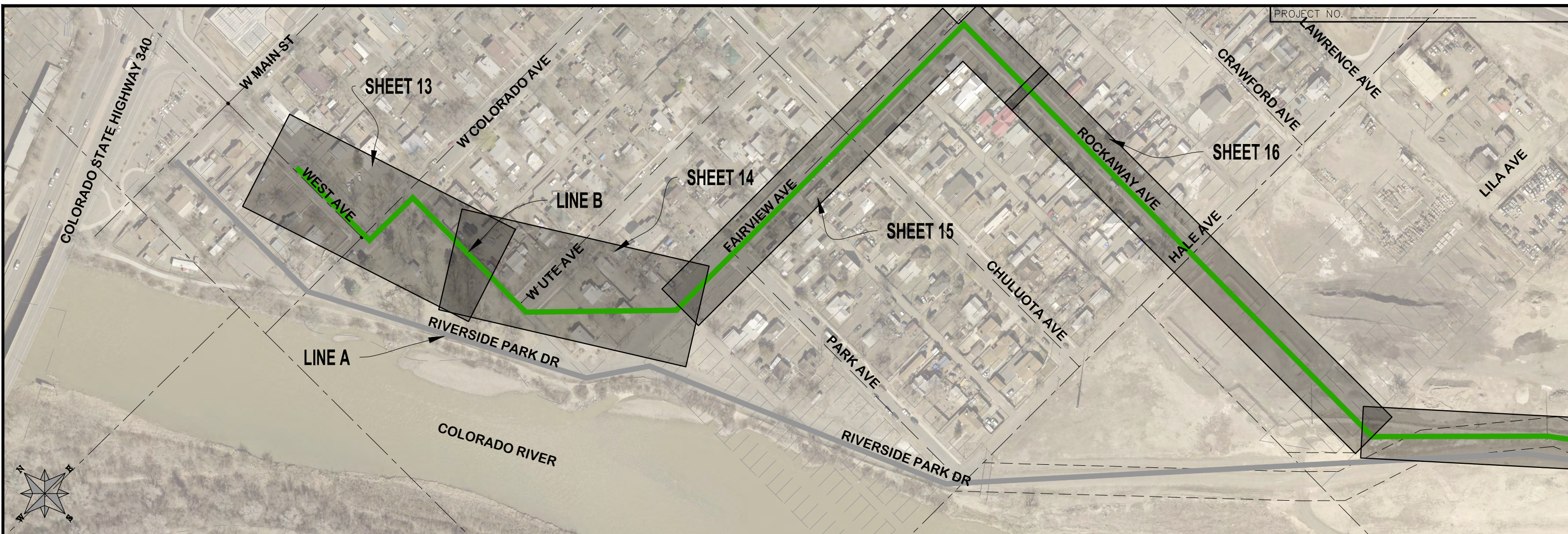


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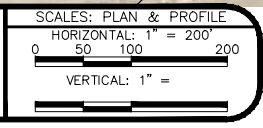


PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A PLAN AND PROFILE
STA 50+00 TO STA 57+00



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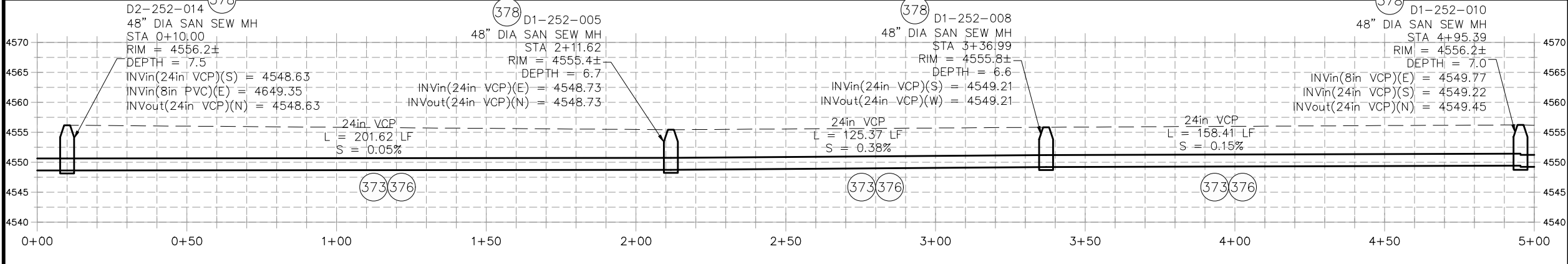
PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B KEYMAP
STA 0+00 TO STA 60+00

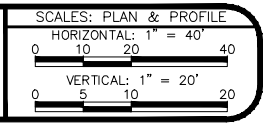


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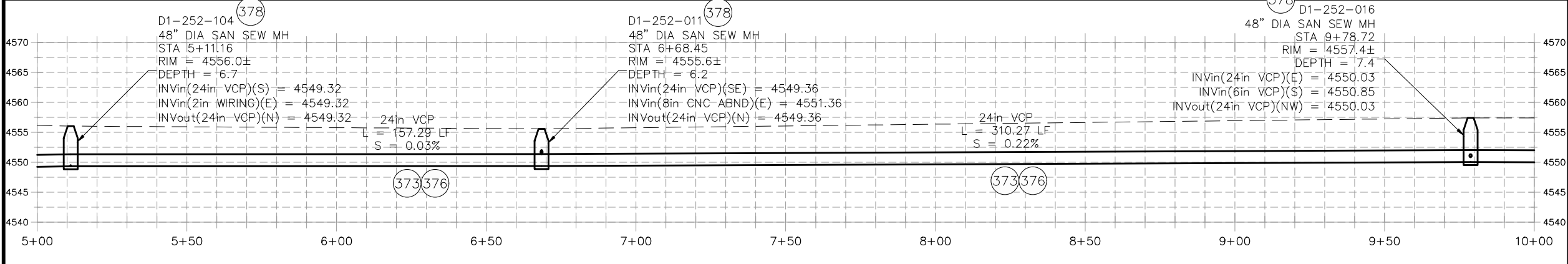
PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B PLAN AND PROFILE
STA 0+00 TO STA 5+00

PROJECT NO. _____

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SCALES: PLAN & PROFILE
 HORIZONTAL: 1" = 40'
 0 10 20 40
 VERTICAL: 1" = 20'
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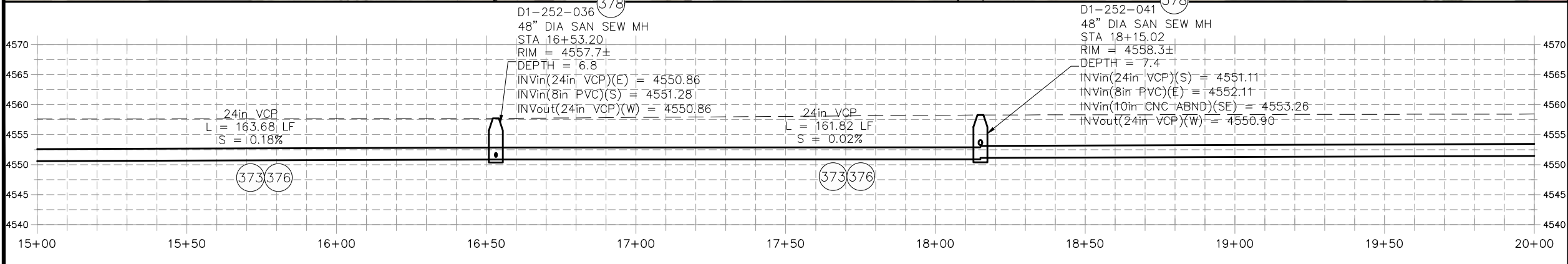
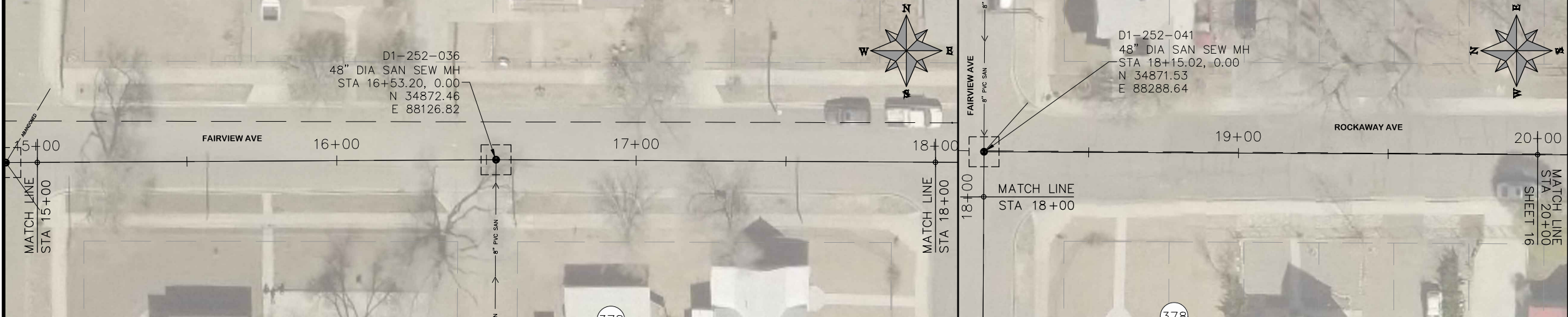
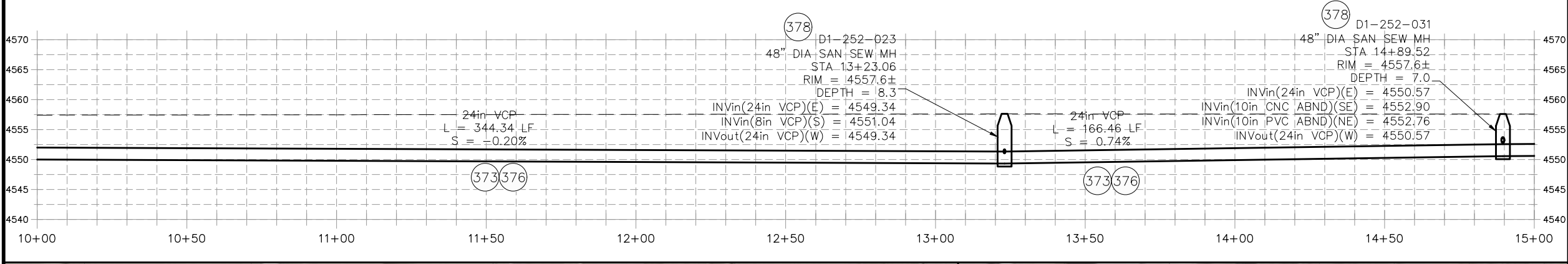
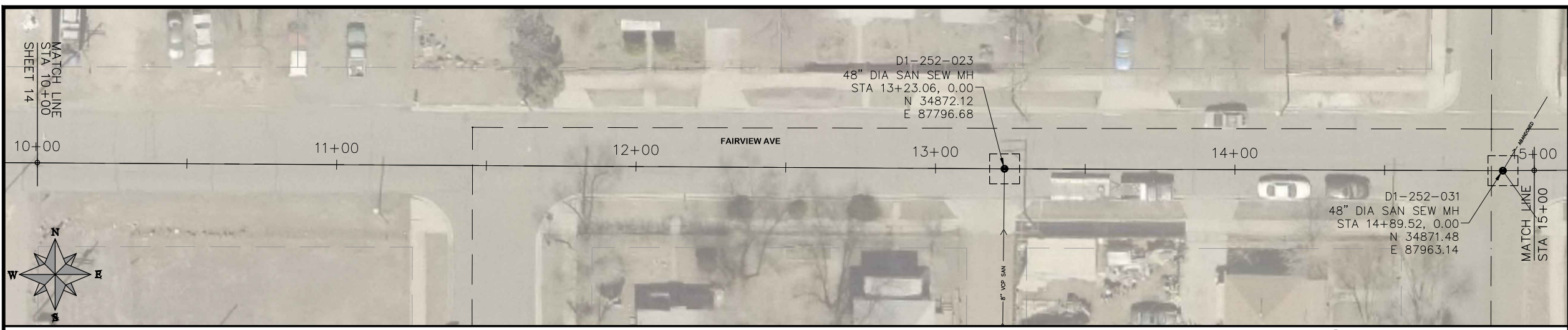


PUBLIC WORKS
ENGINEERING DIVISION

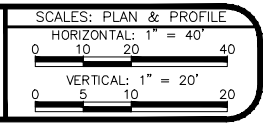
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B PLAN AND PROFILE
STA 5+00 TO STA 10+00

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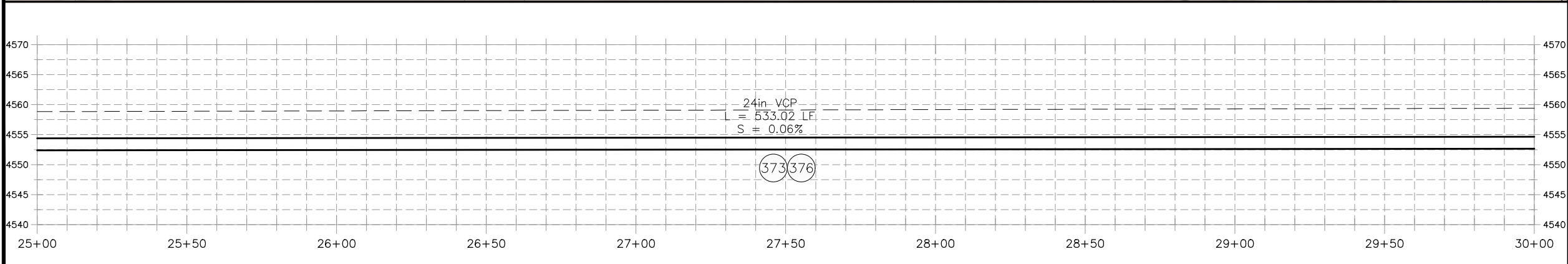
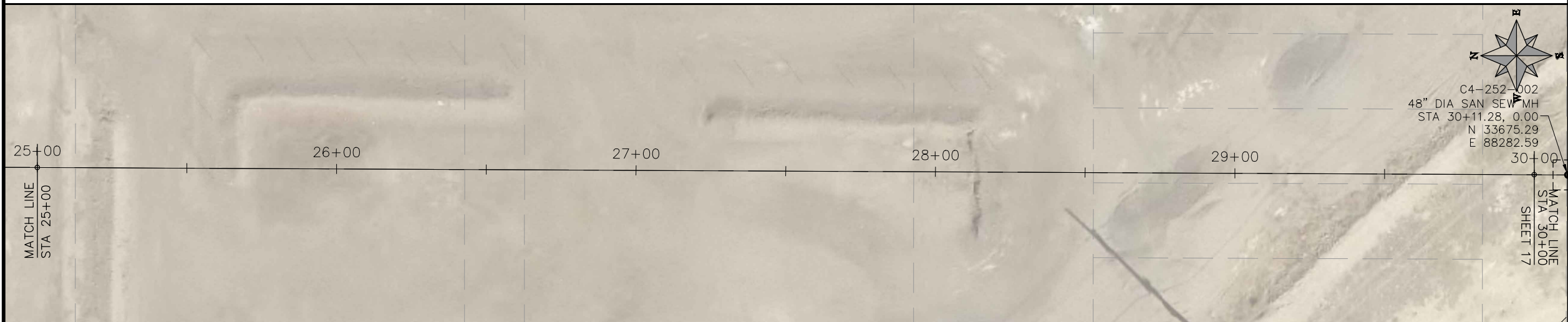
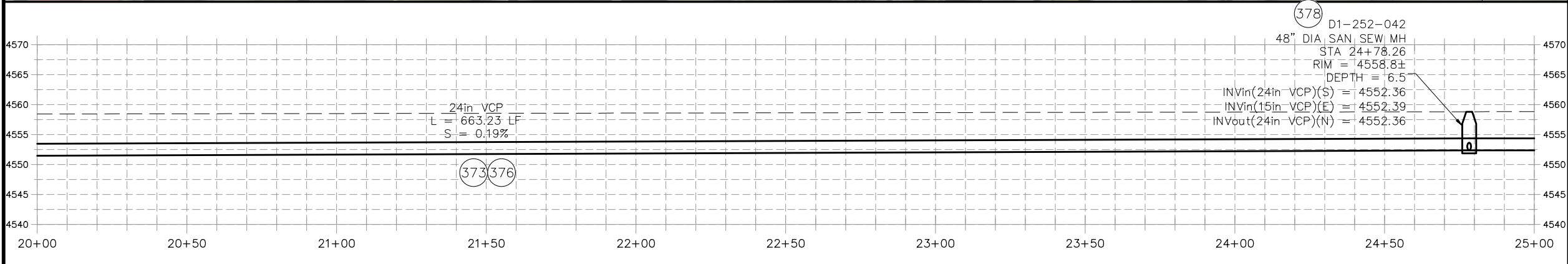
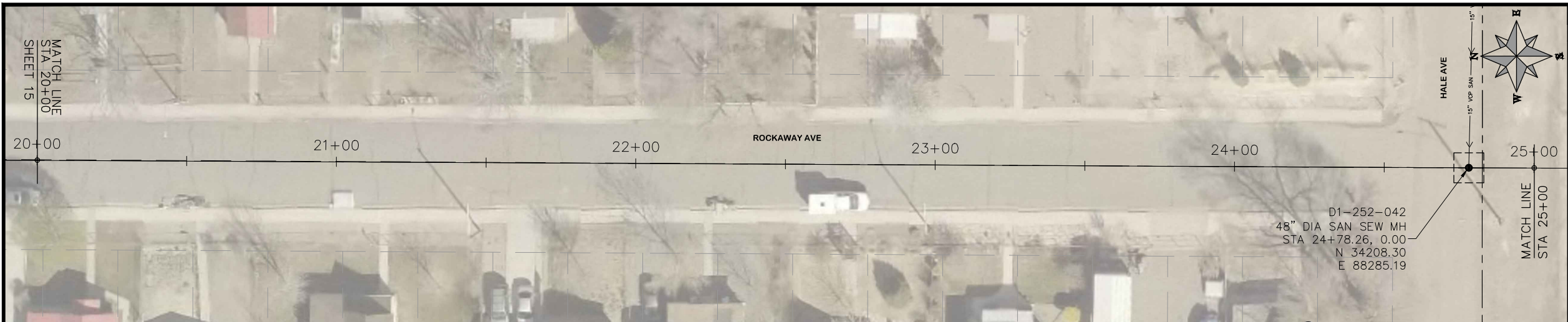


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2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B PLAN AND PROFILE
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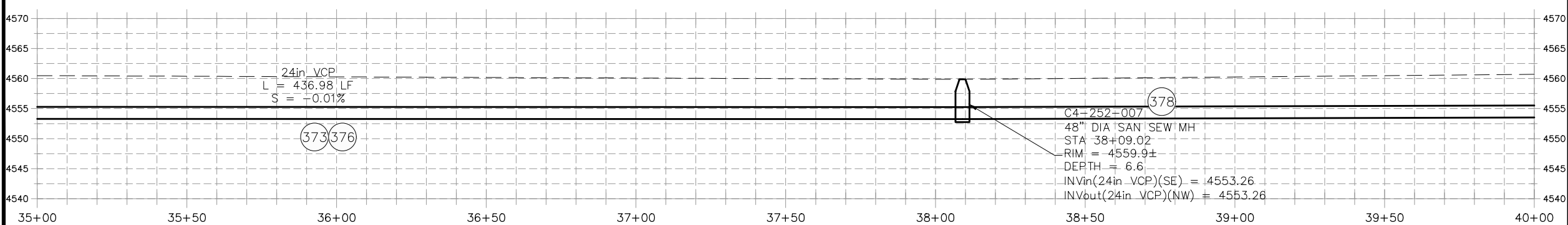
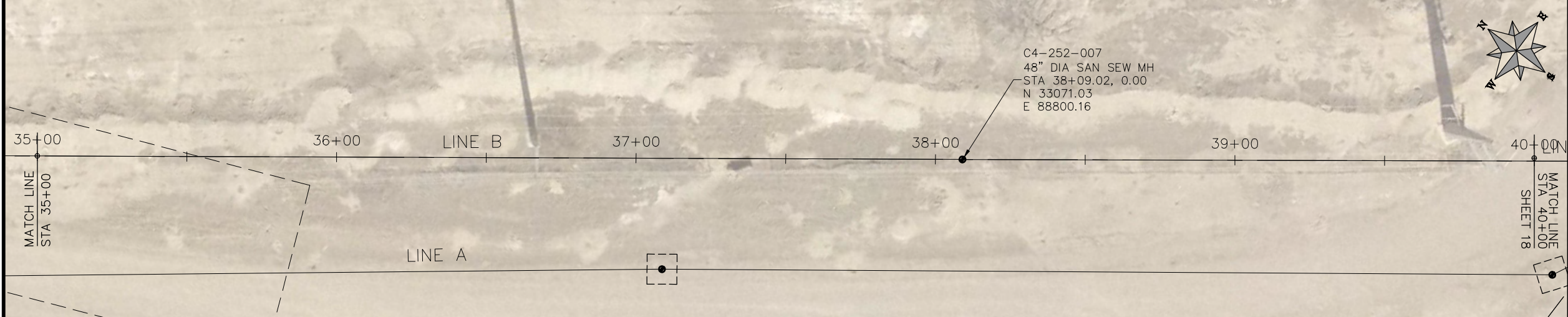
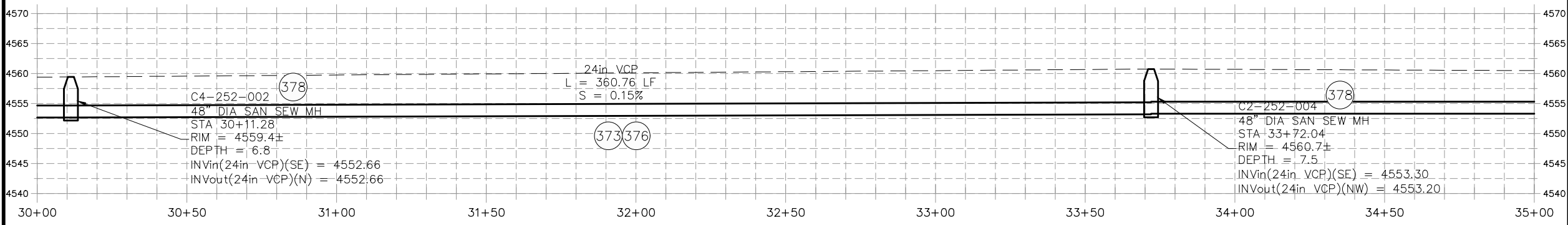
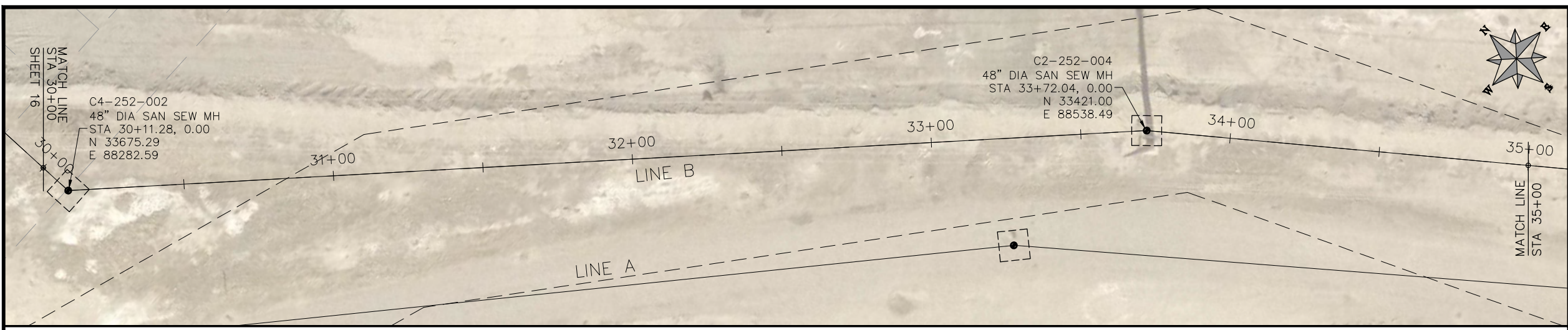


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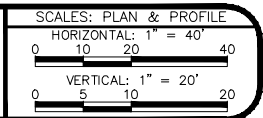
2019 SEWER INTERCEPTOR REHABILITATIONS
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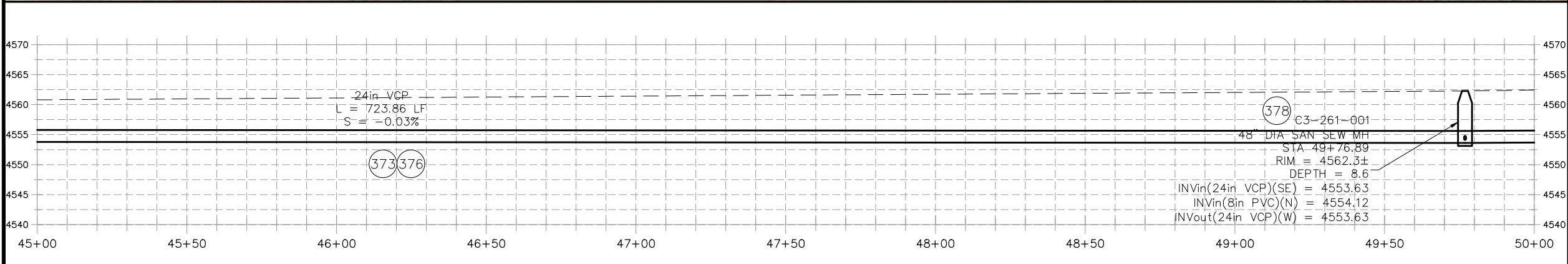
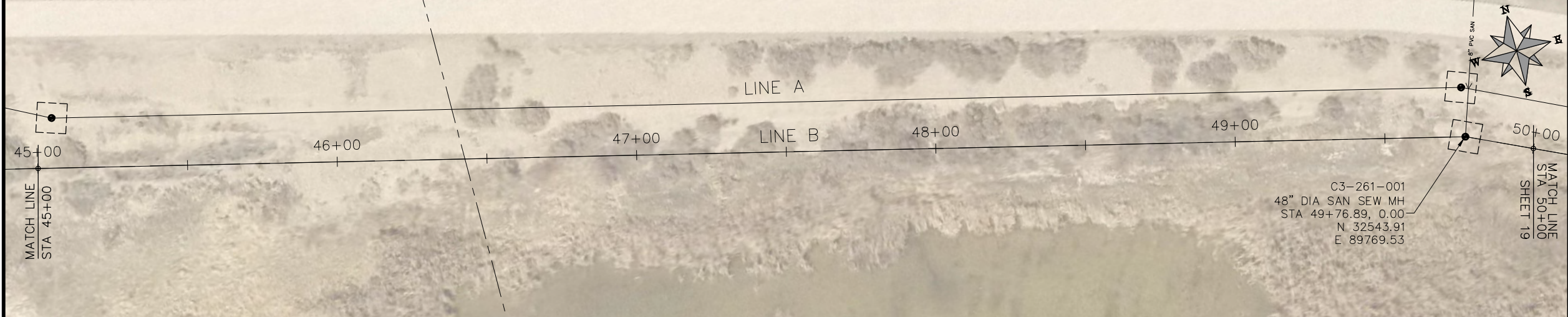
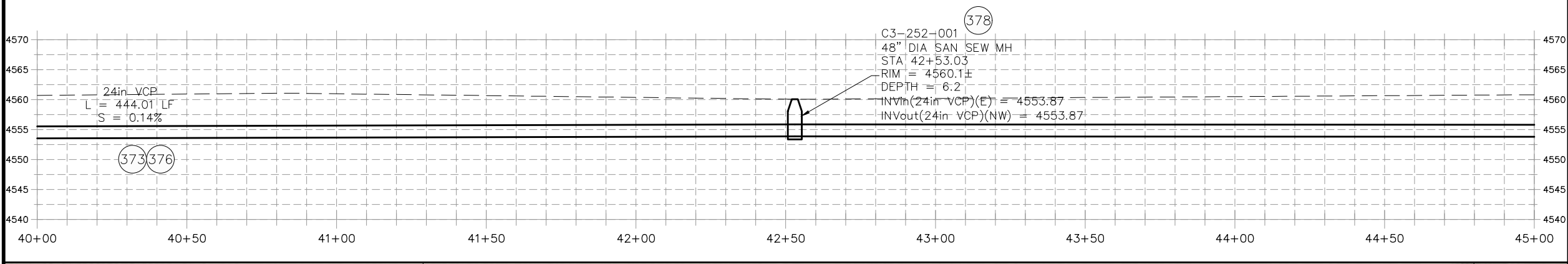
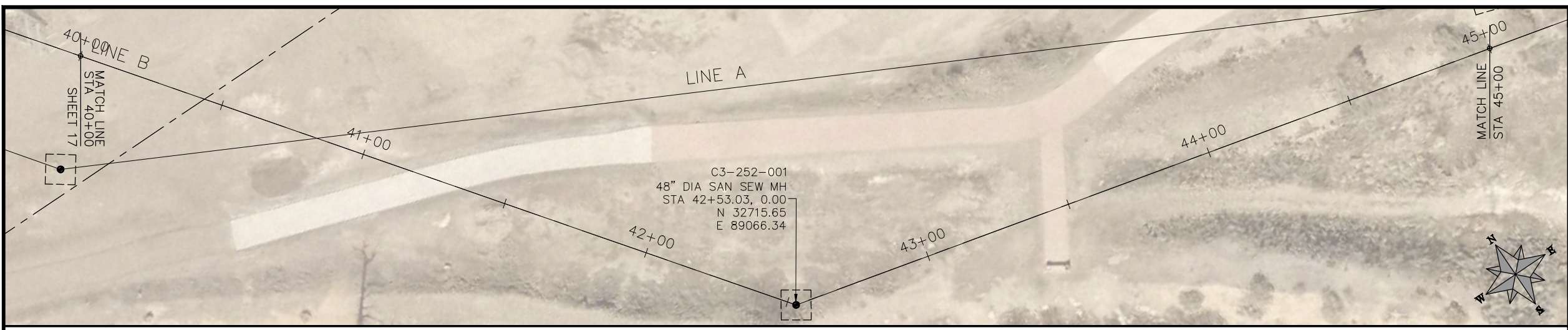
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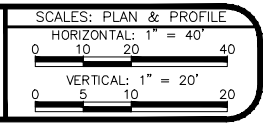
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REVISION	△		CHECKED BY	JKT	DATE	2018
REVISION	△		APPROVED BY	JKT	DATE	2018



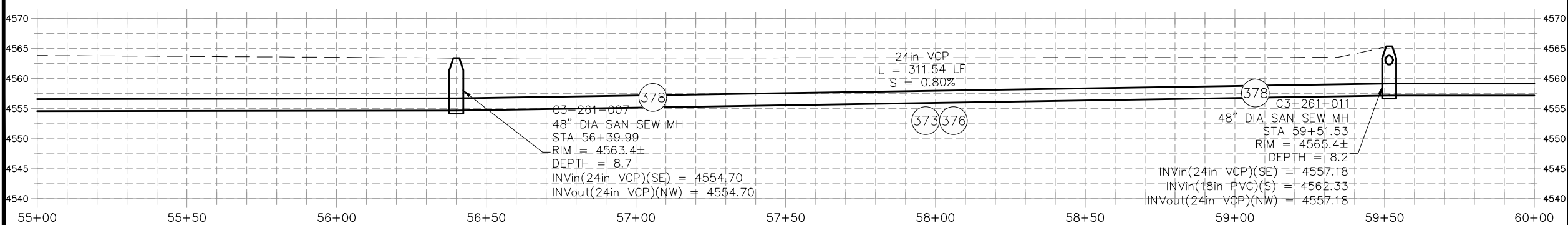
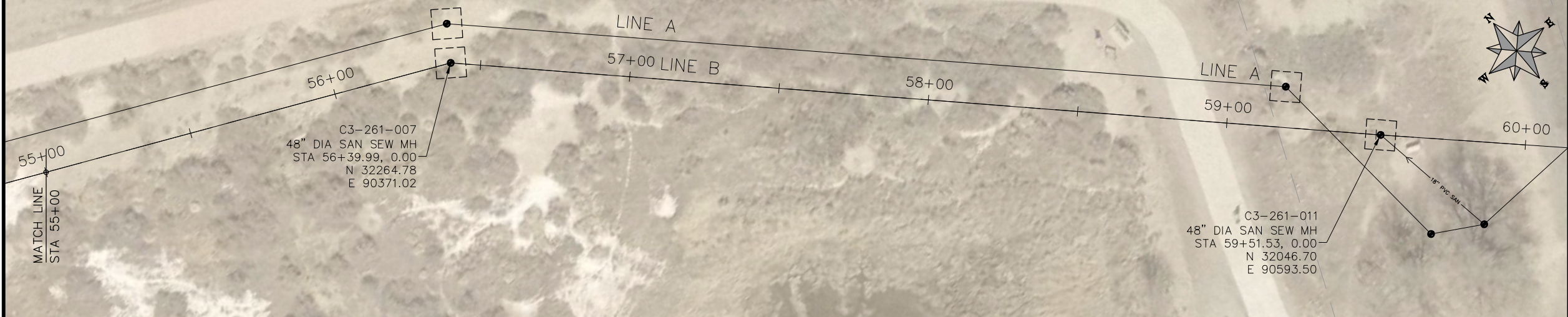
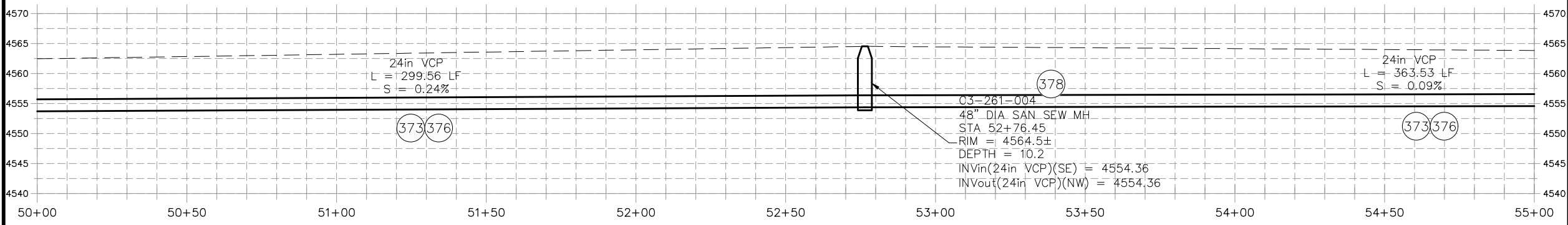
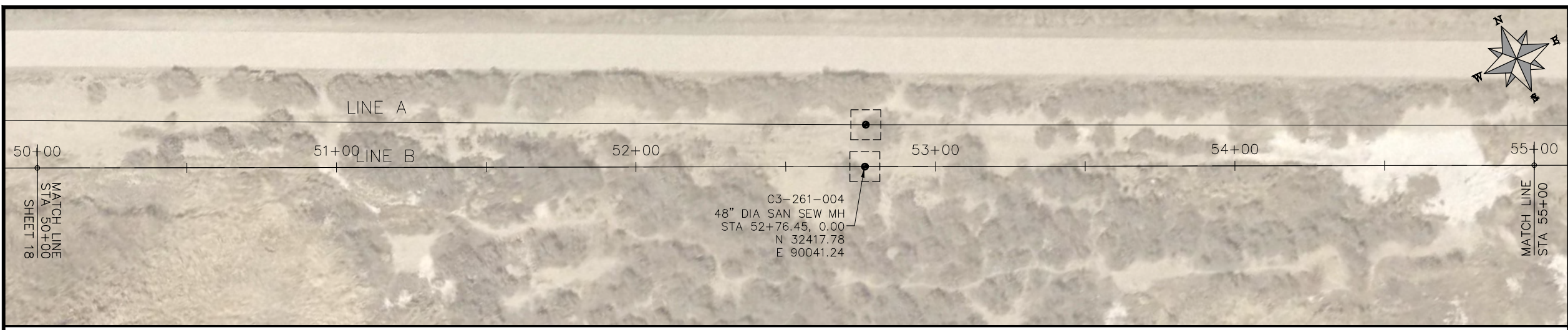
PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B PLAN AND PROFILE
STA 40+00 TO STA 50+00

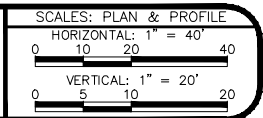
PROJECT NO. _____

CONSTRUCTION NOTES

- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)
- (378) SP RECONDITION EXISTING MANHOLE AND BENCH. (SEE PROJECT SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION).



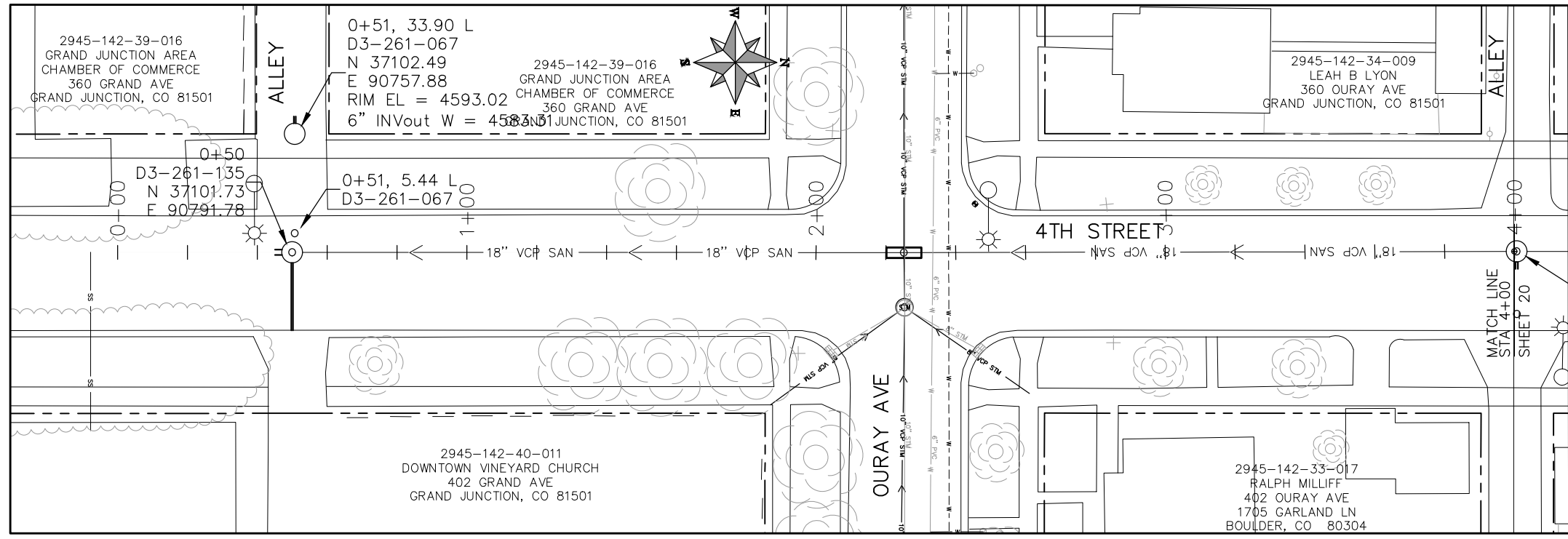
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REVISION			APPROVED BY	JKT	DATE	2018



PUBLIC WORKS
ENGINEERING DIVISION

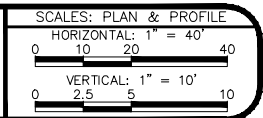
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B PLAN AND PROFILE
STA 50+00 TO STA 60+00

- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

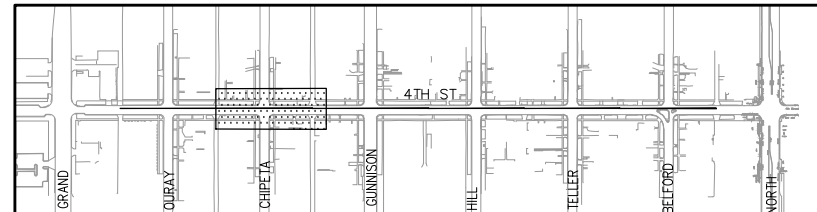
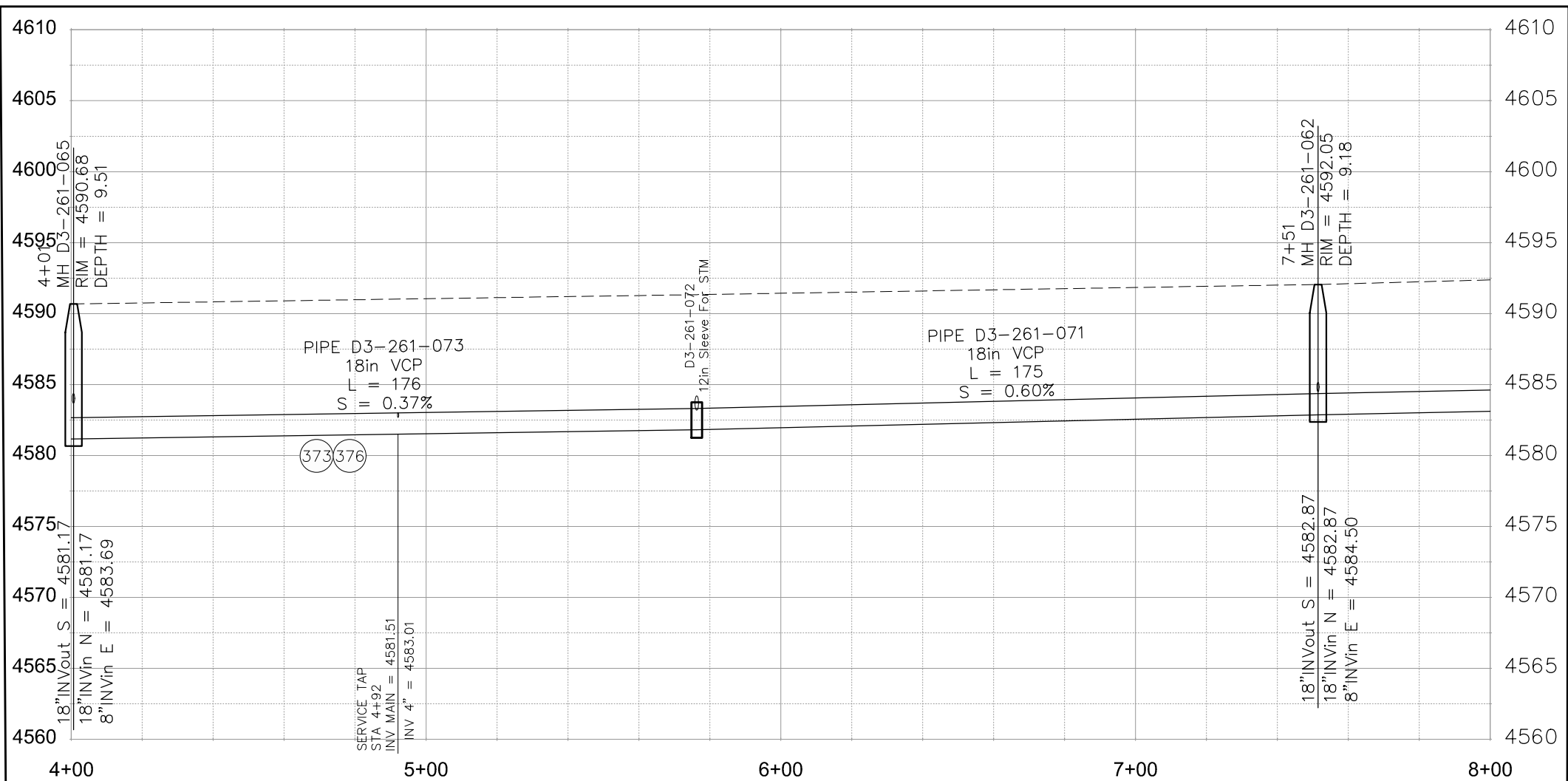
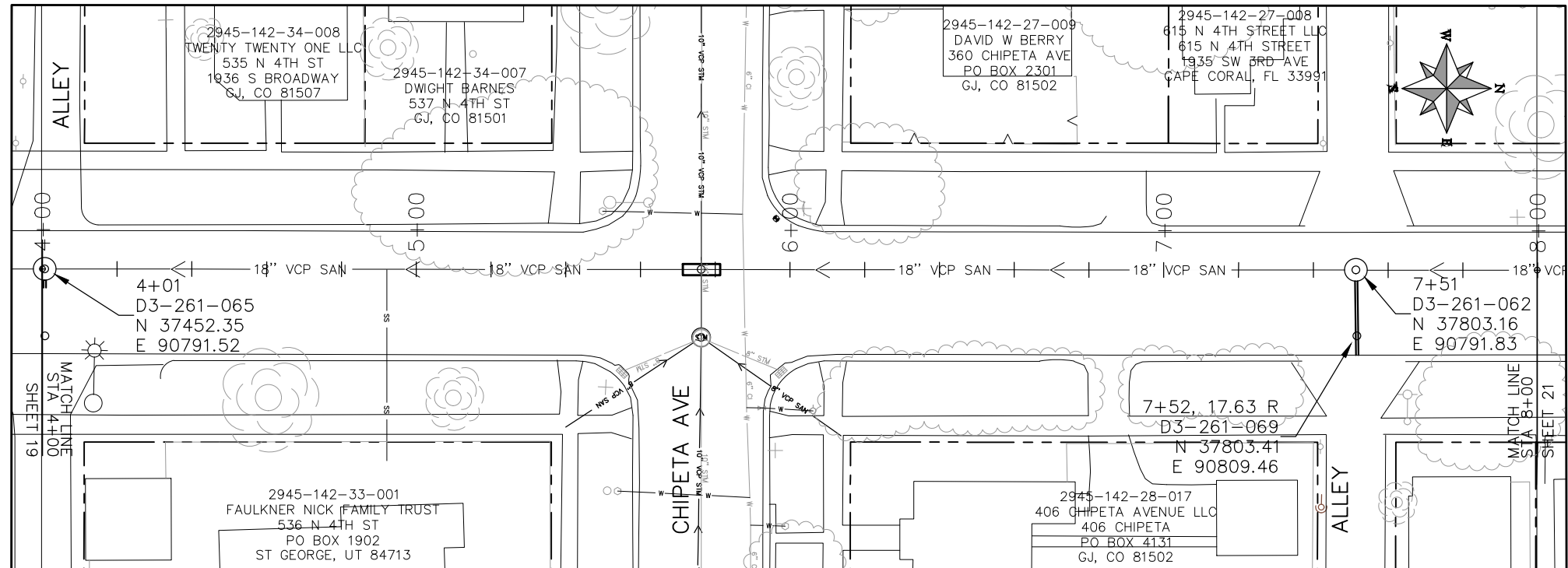
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PUBLIC WORKS
ENGINEERING DIVISION

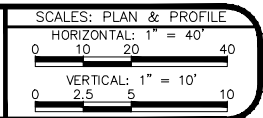
2019 SEWER INTERCEPTOR REHABILITATIONS
4TH STREET CIPP
STA 0+00 TO STA 4+00

- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

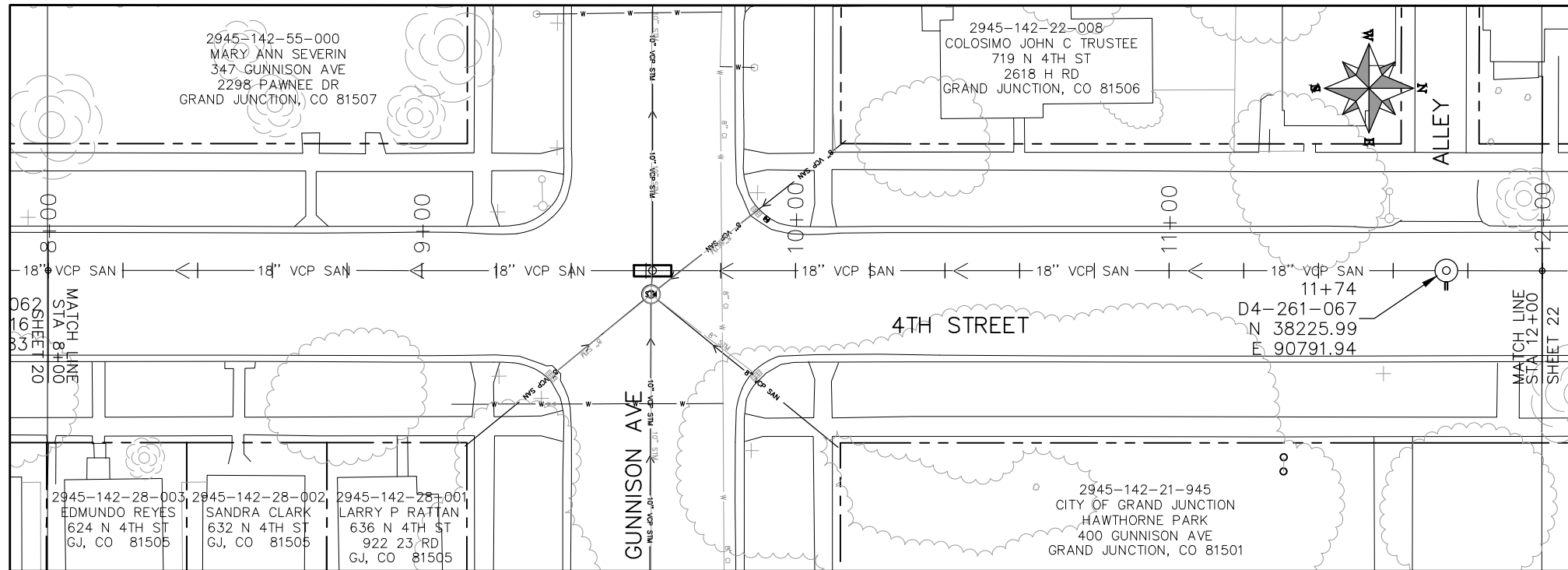
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PUBLIC WORKS
ENGINEERING DIVISION

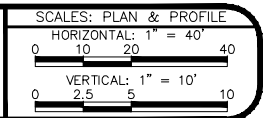
2019 SEWER INTERCEPTOR REHABILITATIONS
4TH STREET CIPP
STA 4+00 TO STA 8+00

- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

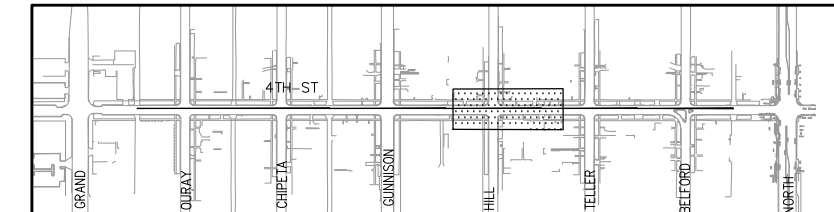
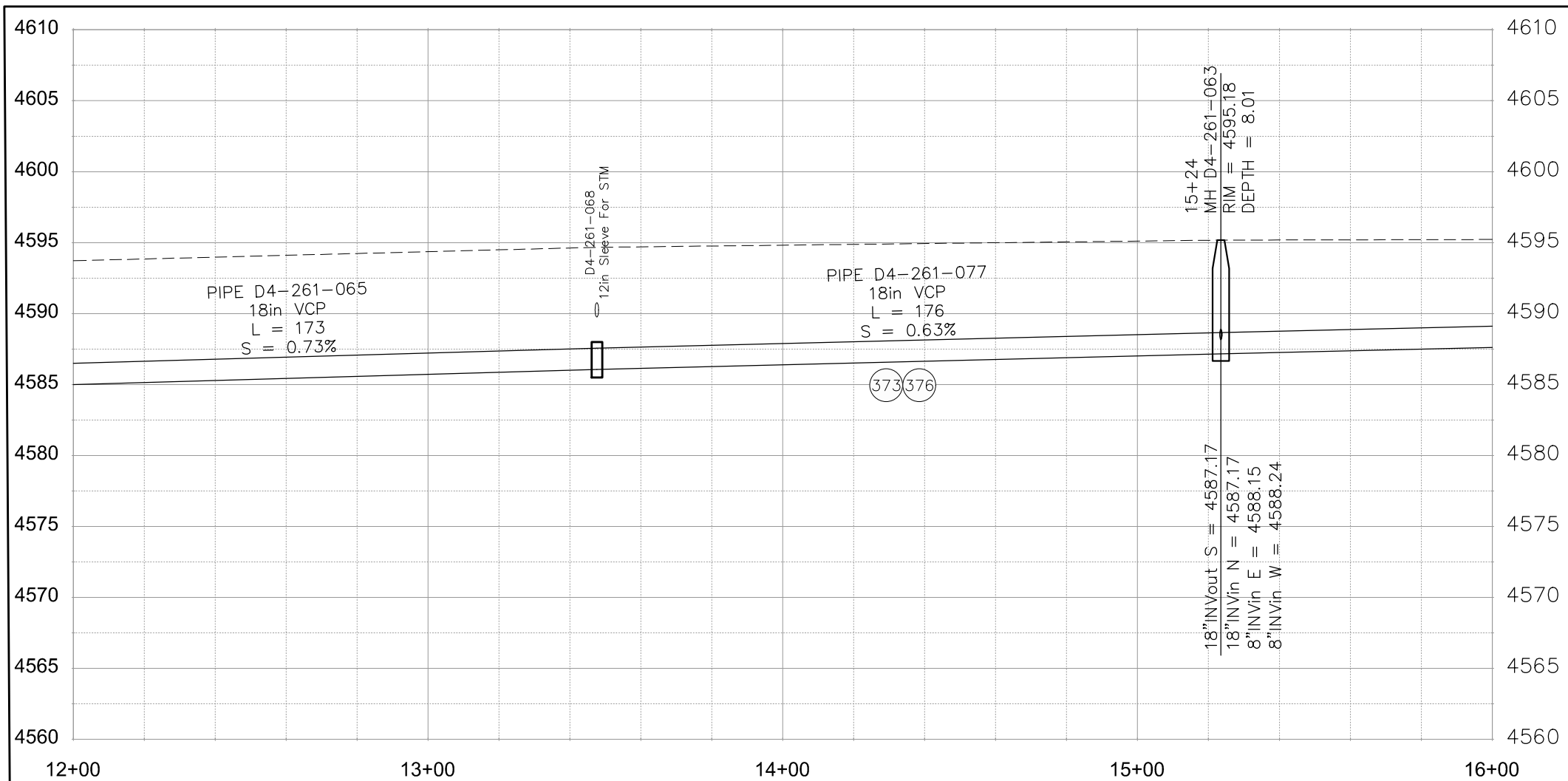
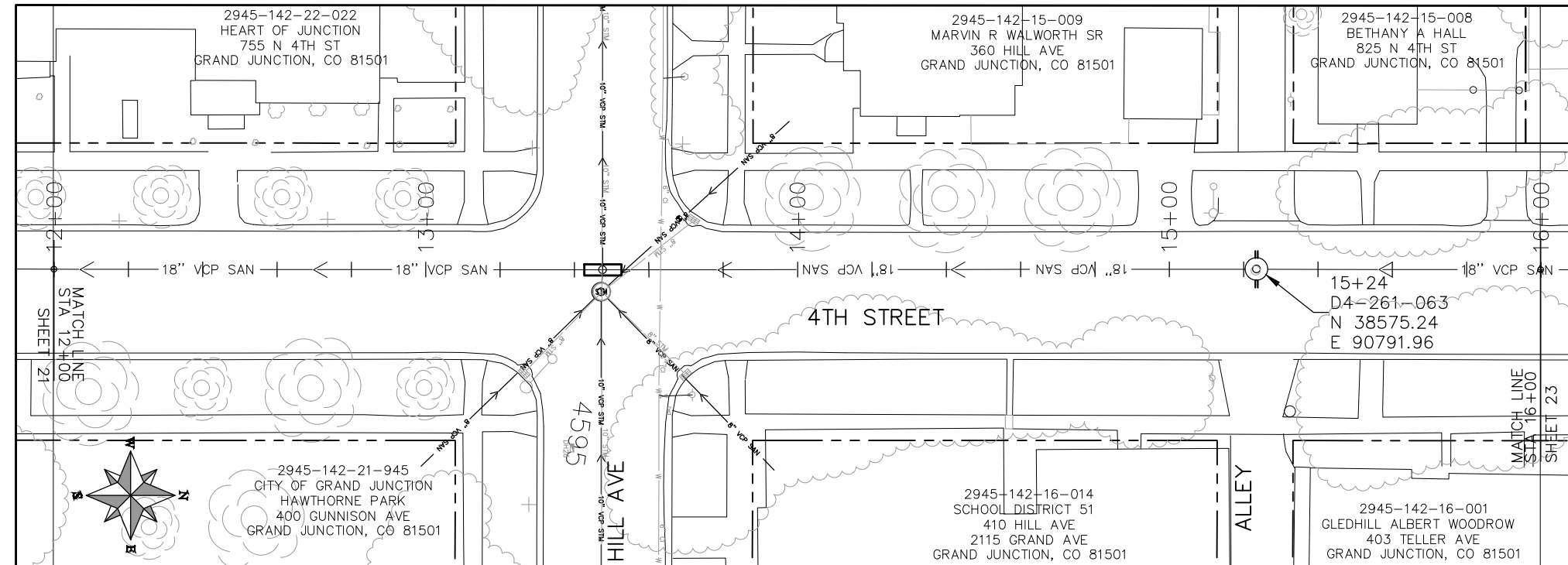
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REVISION			APPROVED BY	JKT	DATE	2018



PUBLIC WORKS
ENGINEERING DIVISION

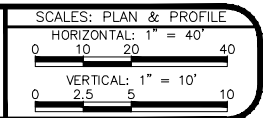
2019 SEWER INTERCEPTOR REHABILITATIONS
4TH STREET CIPP
STA 8+00 TO STA 12+00

- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC	DATE	2018
REVISION			DESIGNED BY	JKT	DATE	2018
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REVISION			APPROVED BY	JKT	DATE	2018

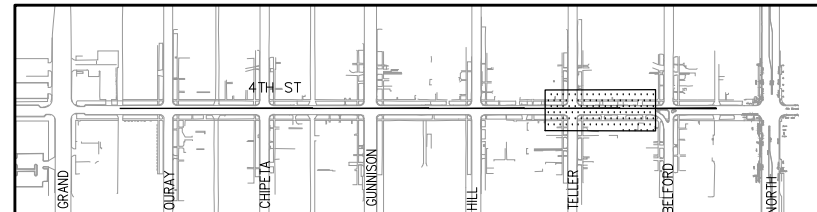
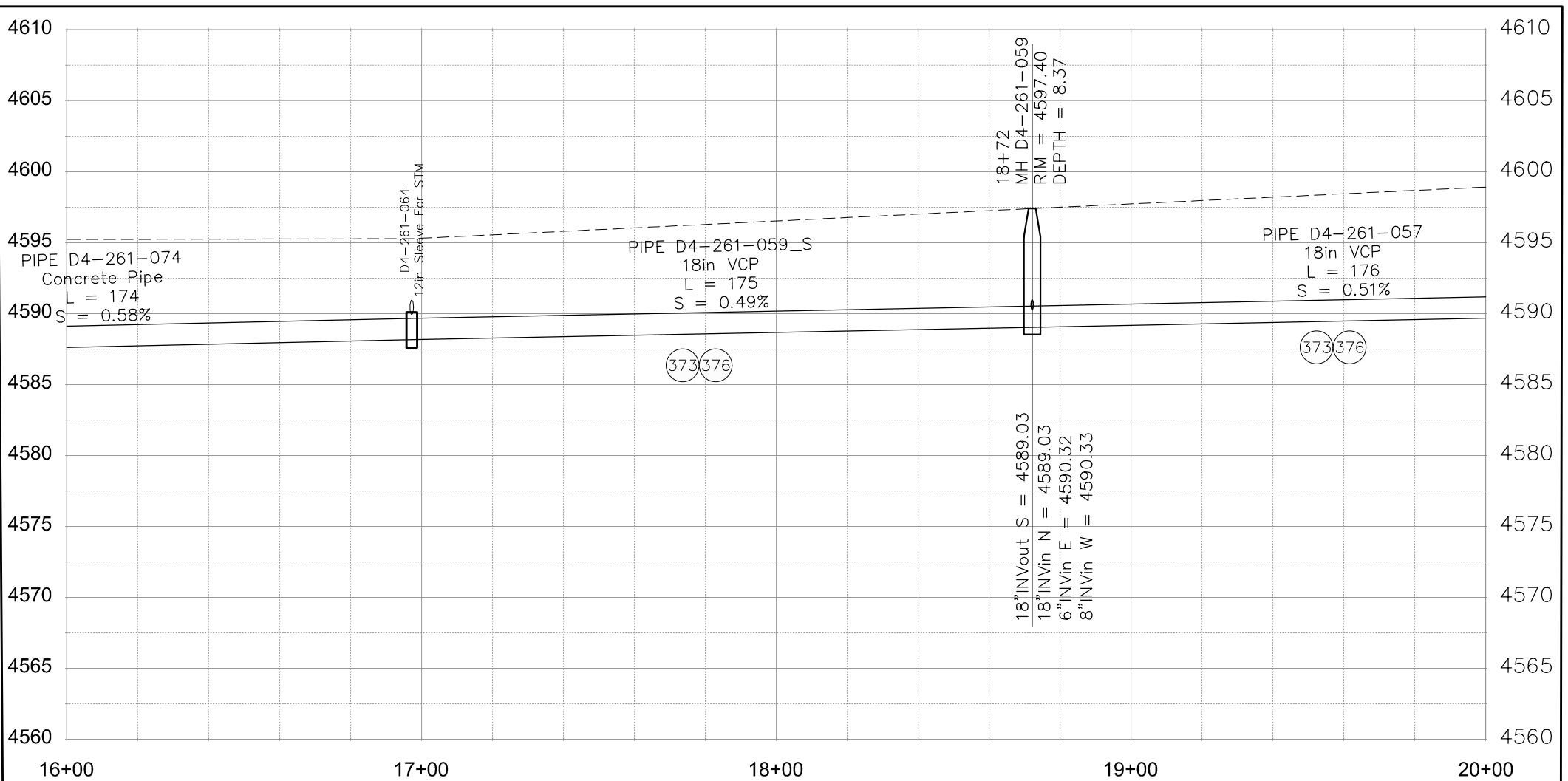
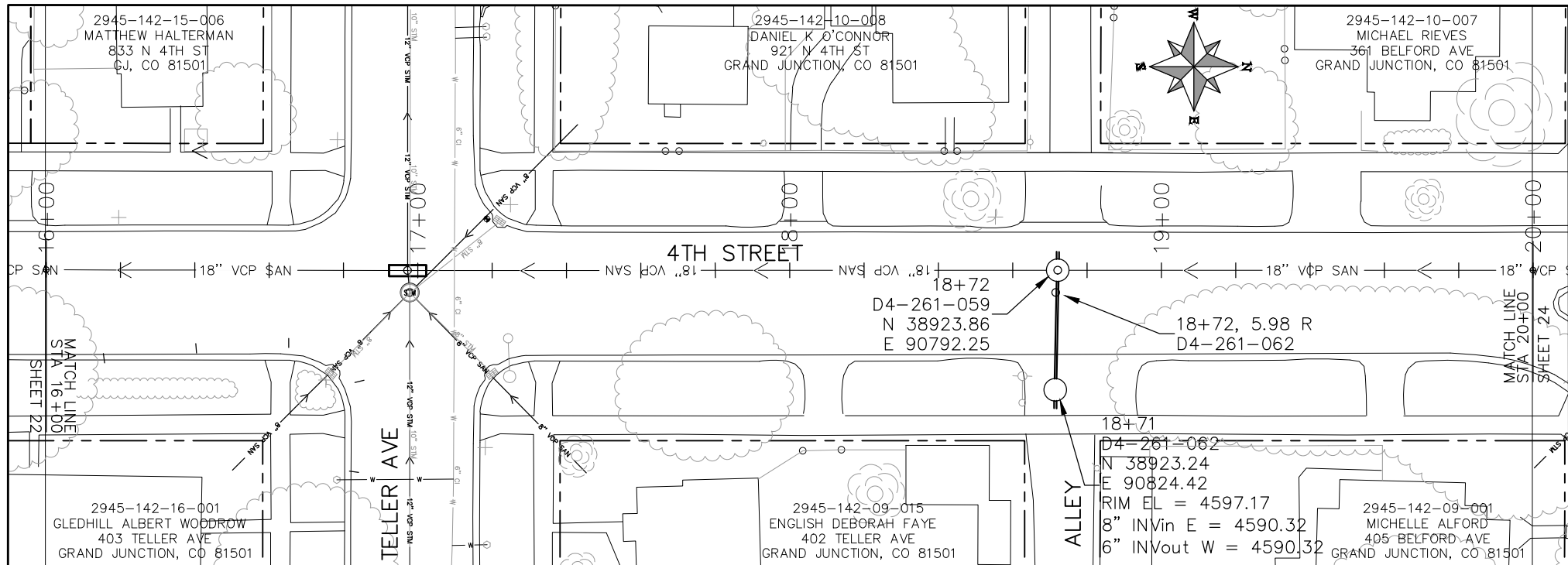


PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
4TH STREET CIPP
STA 12+00 TO STA 16+00

CONSTRUCTION NOTES

- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC	DATE	2018
REVISION			DESIGNED BY	JKT	DATE	2018
REVISION			CHECKED BY	JKT	DATE	2018
REVISION			APPROVED BY	JKT	DATE	2018

SCALES: PLAN & PROFILE
 HORIZONTAL: 1" = 40'
 0 10 20 40
 VERTICAL: 1" = 10'
 0 2.5 5 10

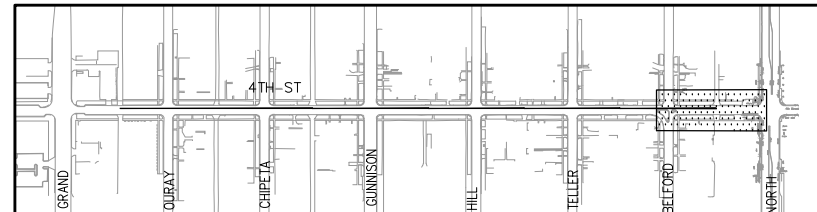
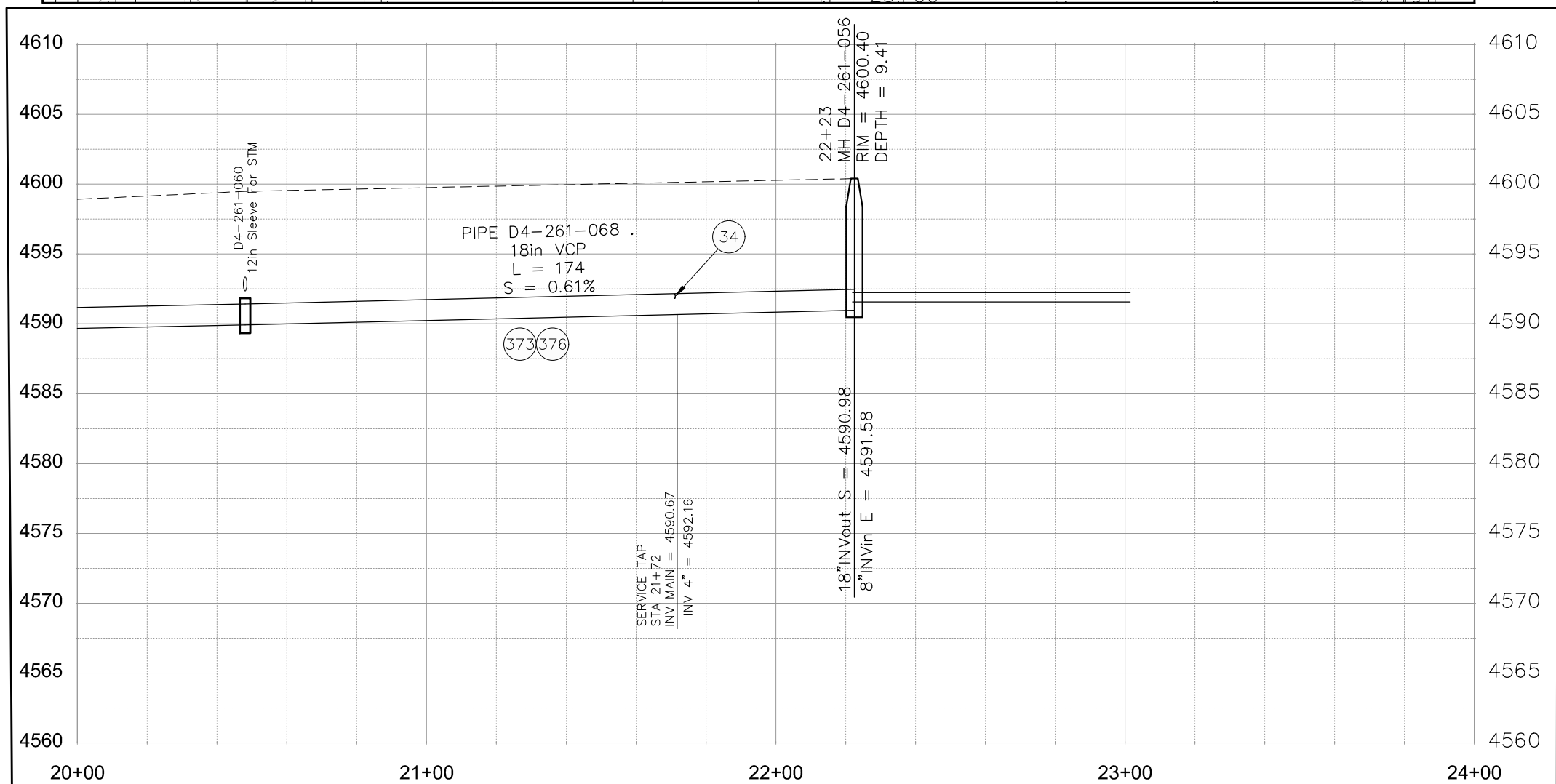
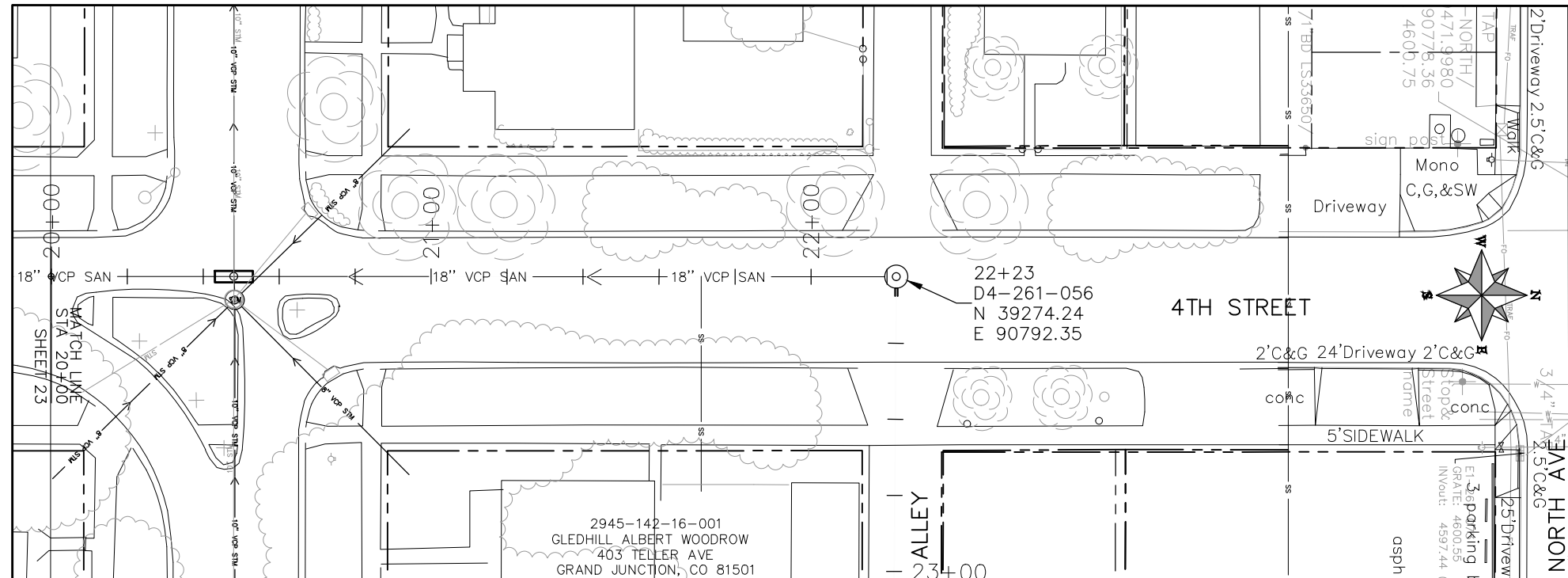


PUBLIC WORKS
 ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
 4TH STREET CIPP
 STA 16+00 TO STA 20+00

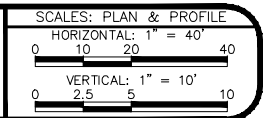
CONSTRUCTION NOTES

- 34 REMOVE CIPP COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP) 252 MANHOLE SHALL BE REMOVED. NEW PIPE INSTALLED AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- 373 CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- 376 REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC	DATE	2018
REVISION			DESIGNED BY	JKT	DATE	2018
REVISION			CHECKED BY	JKT	DATE	2018
REVISION			APPROVED BY	JKT	DATE	2018



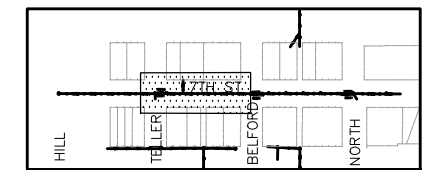
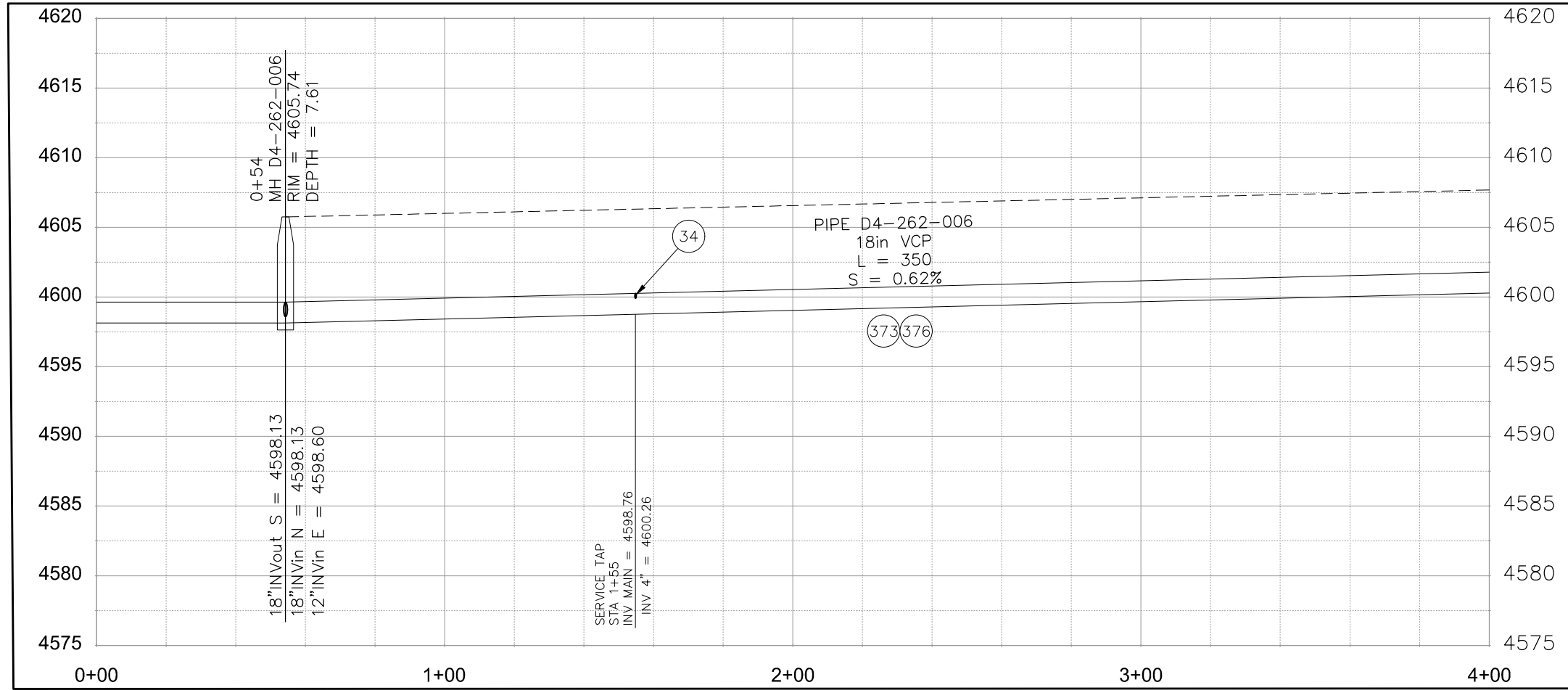
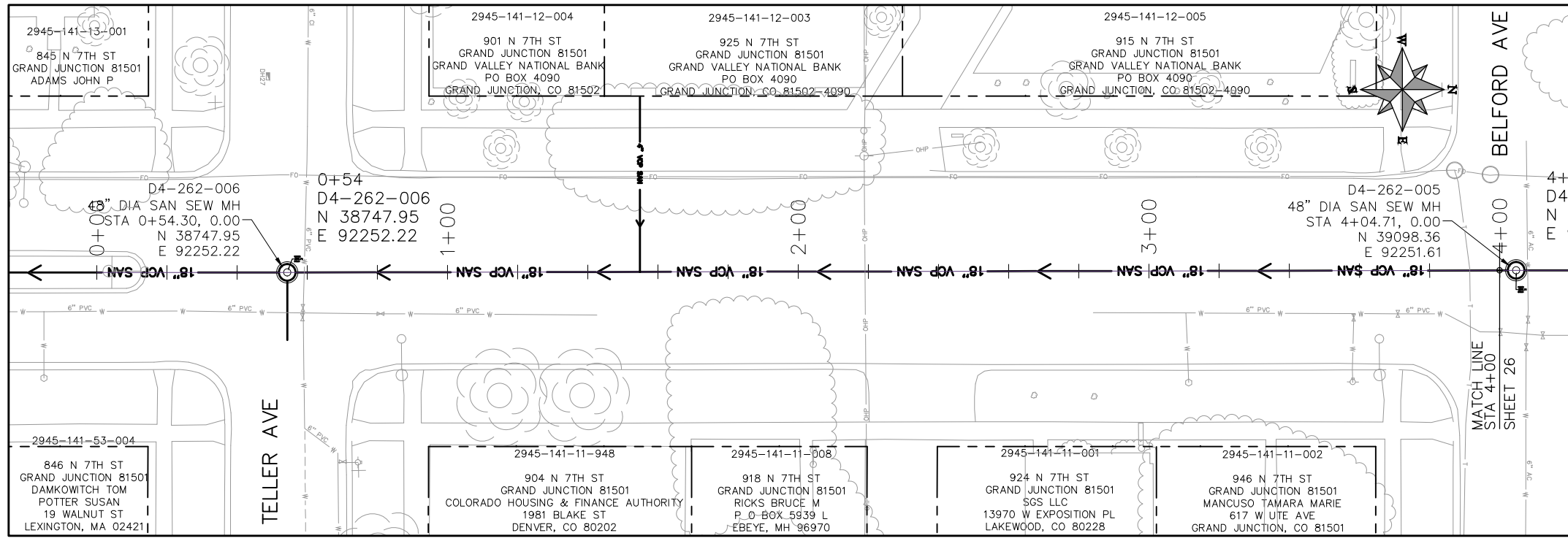
PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
4TH STREET CIPP
STA 20+00 TO STA 24+00

PROJECT NO. _____

CONSTRUCTION NOTES

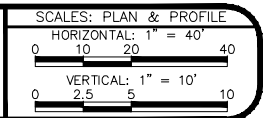
- (34) REMOVE CIPP COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP) 252 MANHOLE SHALL BE REMOVED. NEW PIPE INSTALLED AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

N:\Landproj\2019 Sewer Interceptor Rehabilitations\dwg\26-27_7th Street.dwg, 26, 1/24/2019 2:46:16 PM

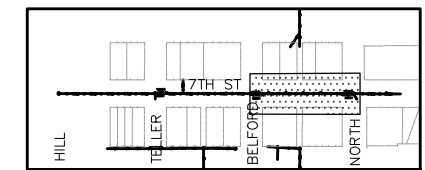
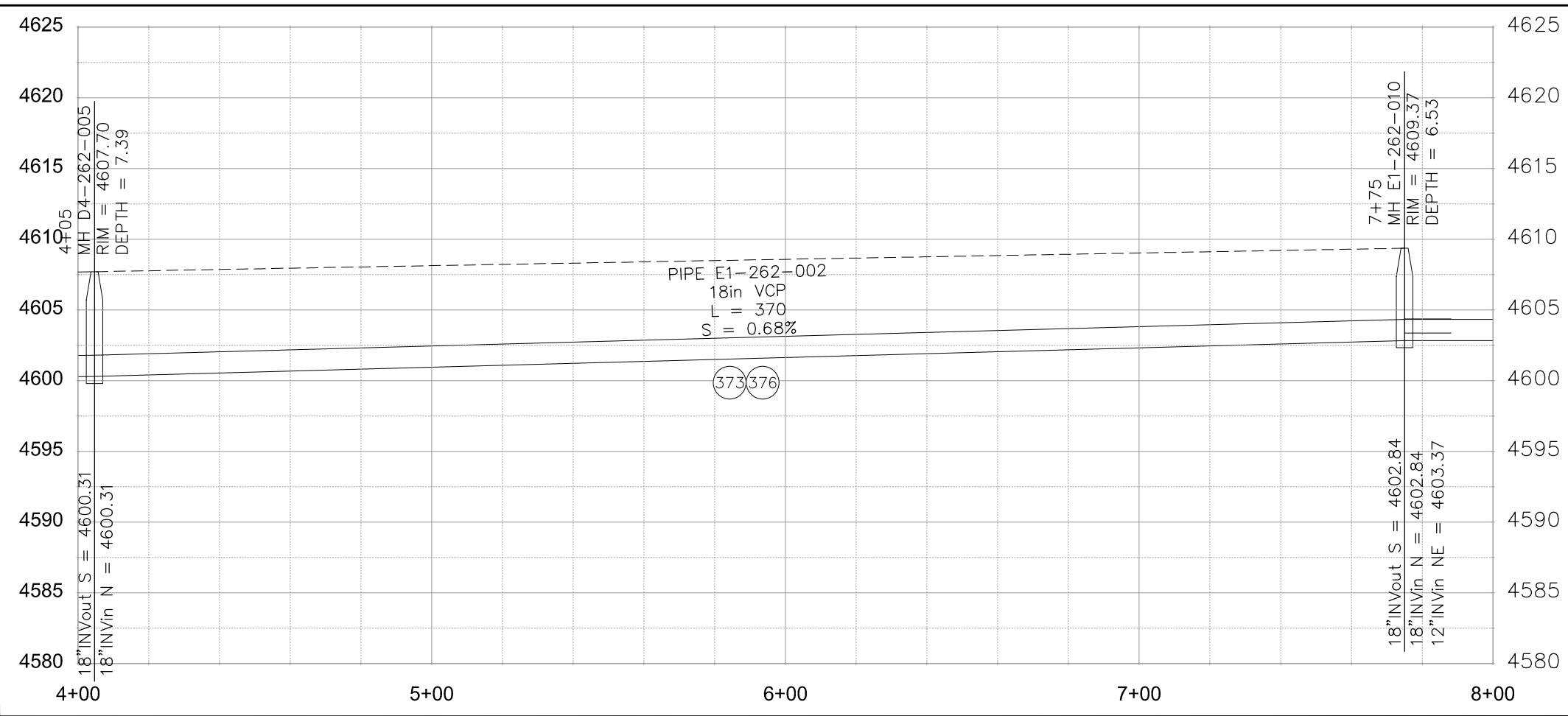
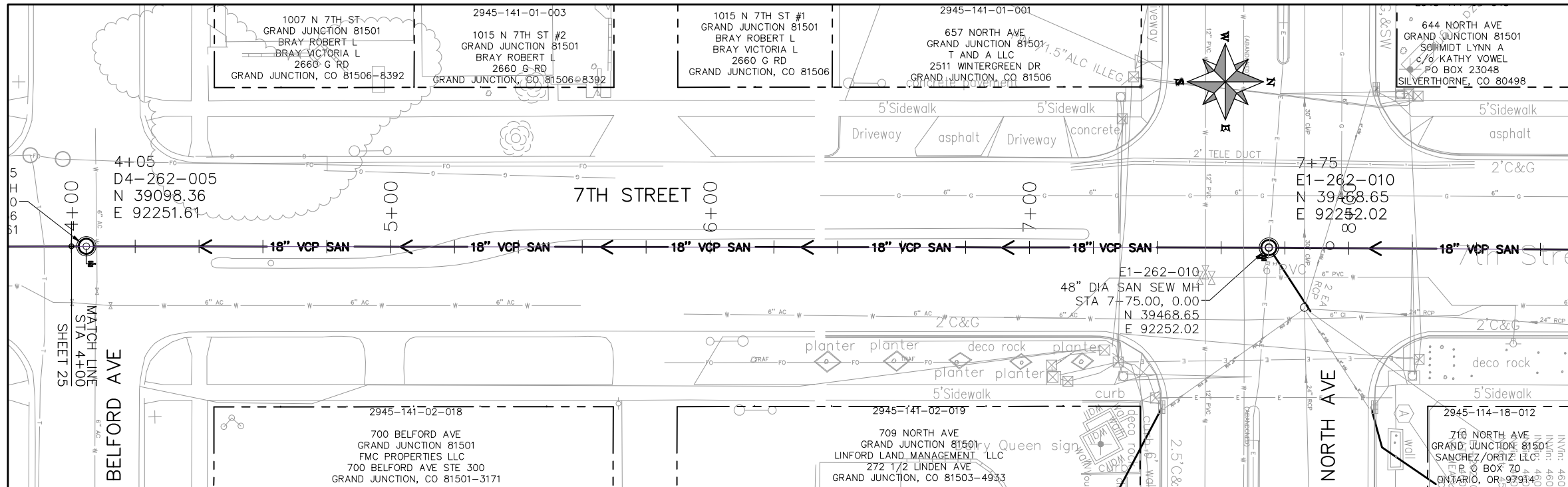
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PUBLIC WORKS
ENGINEERING DIVISION

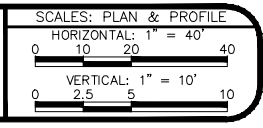
2019 SEWER INTERCEPTOR REHABILITATIONS
7TH STREET CIPP
STA 0+00 TO STA 4+00

- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



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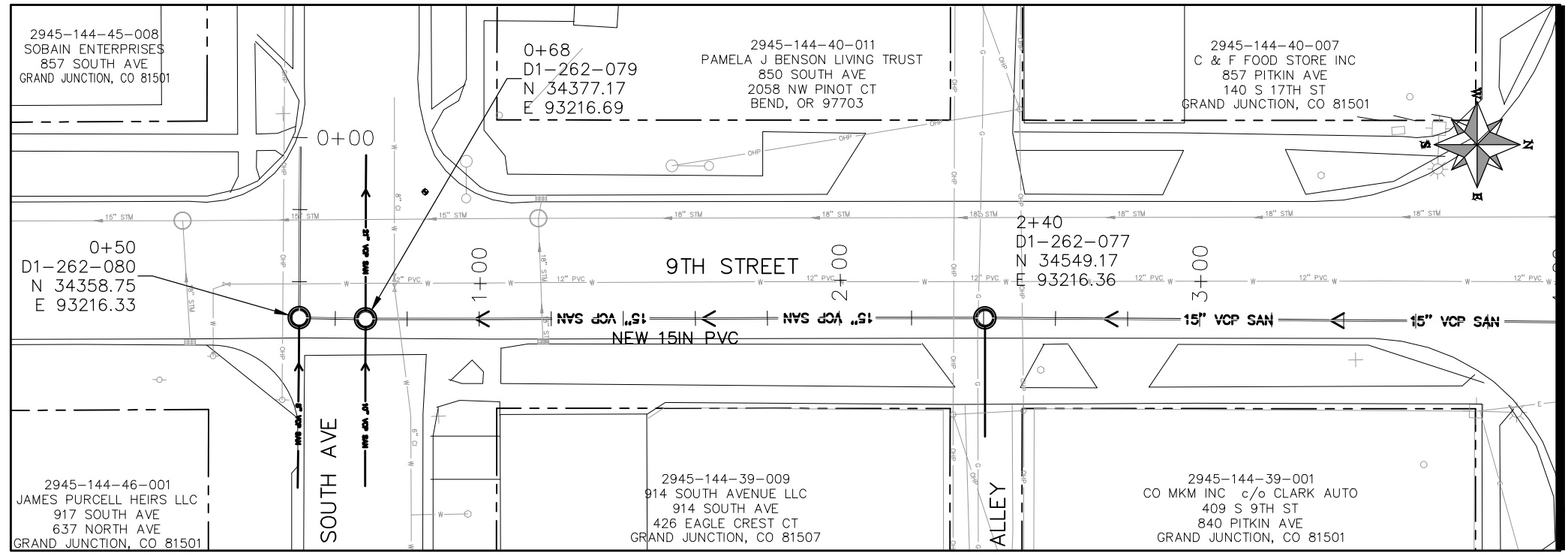
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REVISION			APPROVED BY	JKT	DATE	2018



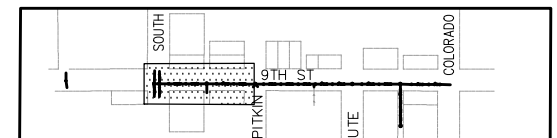
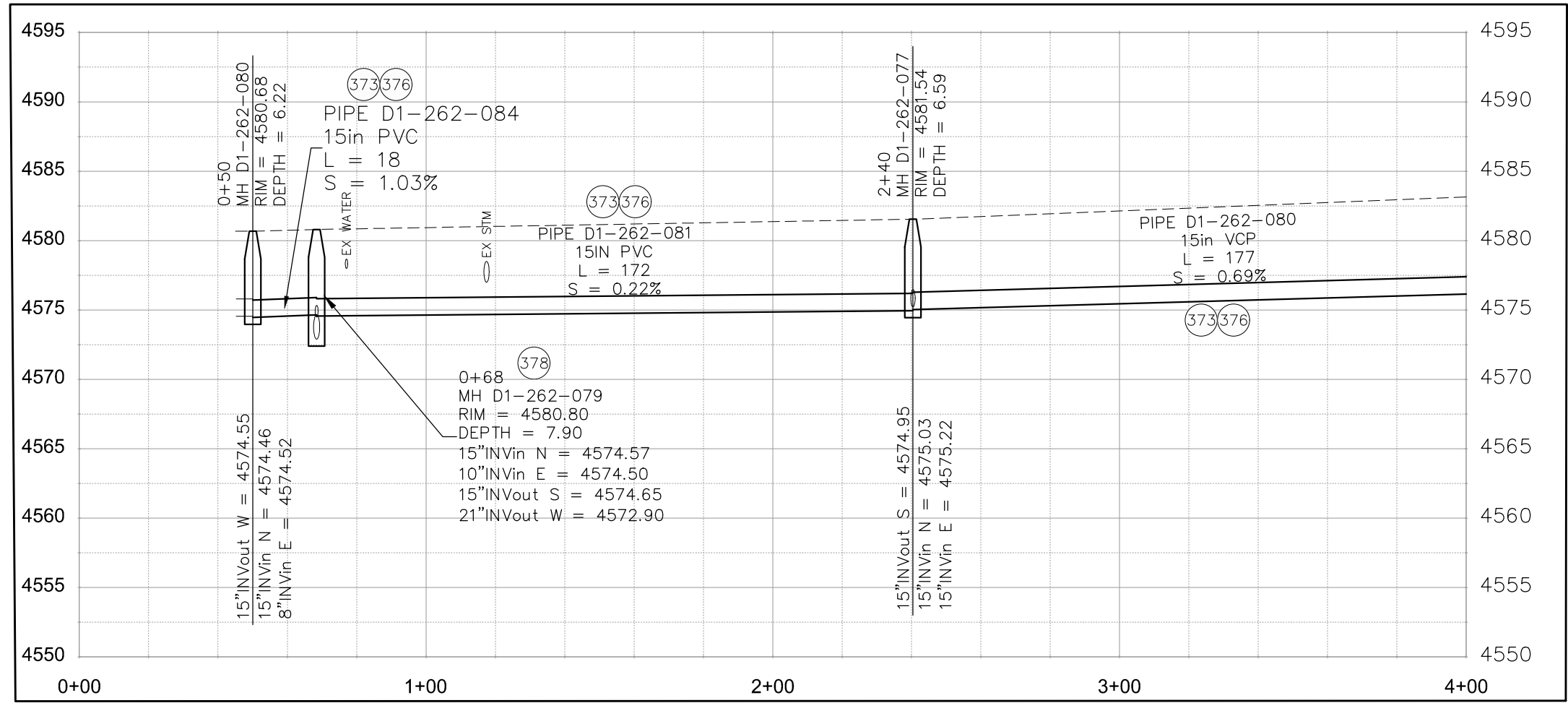
PUBLIC WORKS
 ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
 7TH STREET CIPP
 STA 4+00 TO STA 8+00

- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



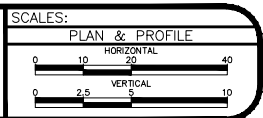
MATCH LINE STA 4+00



KEYMAP

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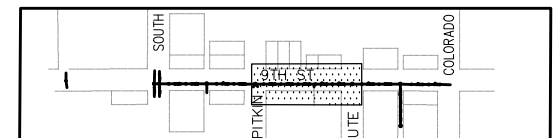
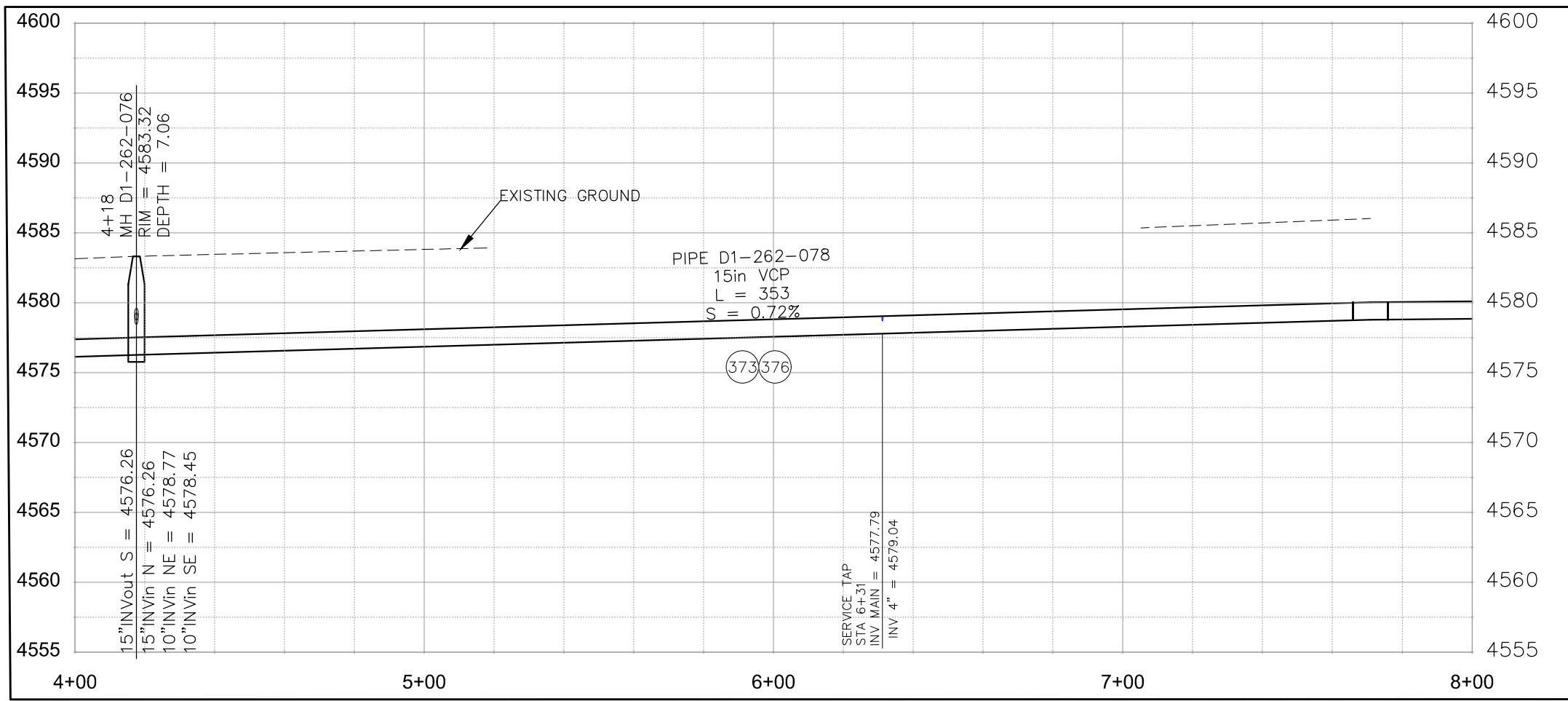
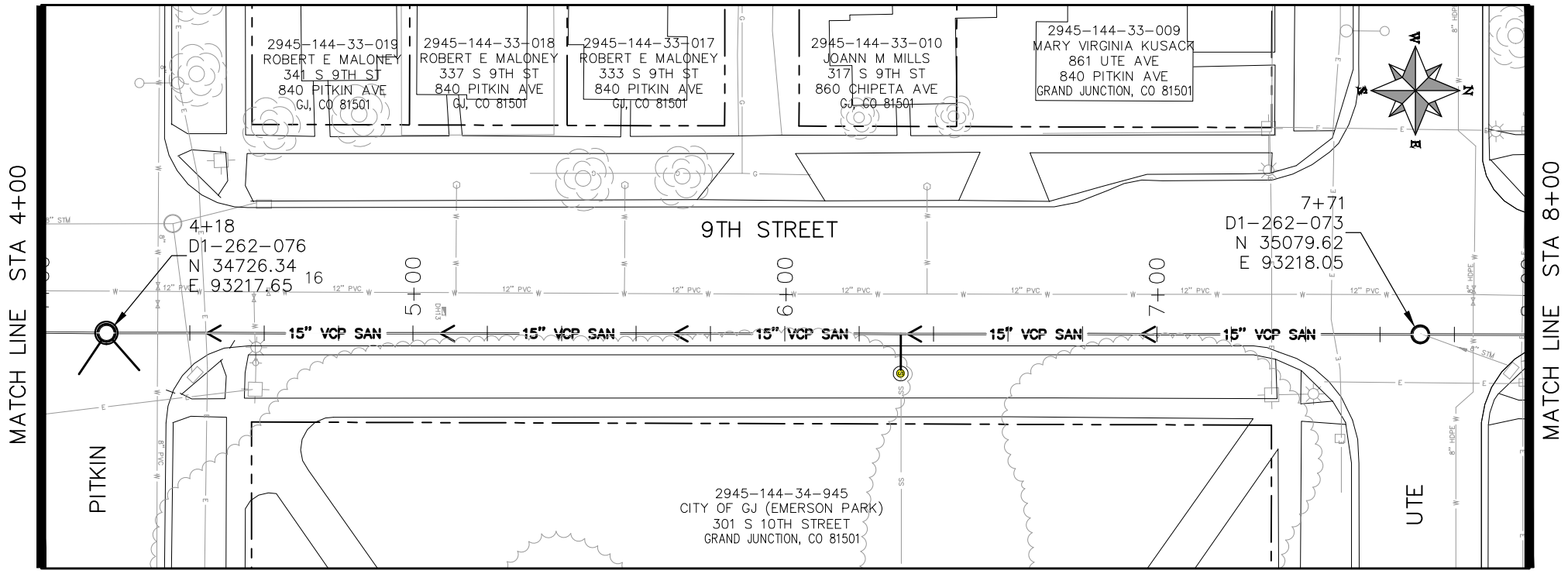
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**PUBLIC WORKS
ENGINEERING DIVISION**

**2019 SEWER INTERCEPTOR REHABILITATIONS
9TH STREET CIPP
STA 0+00 TO STA 4+00**

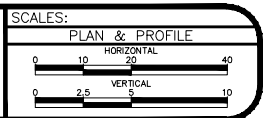
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- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

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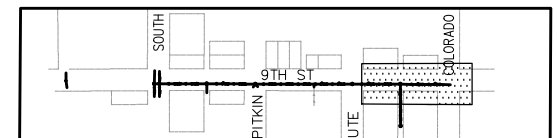
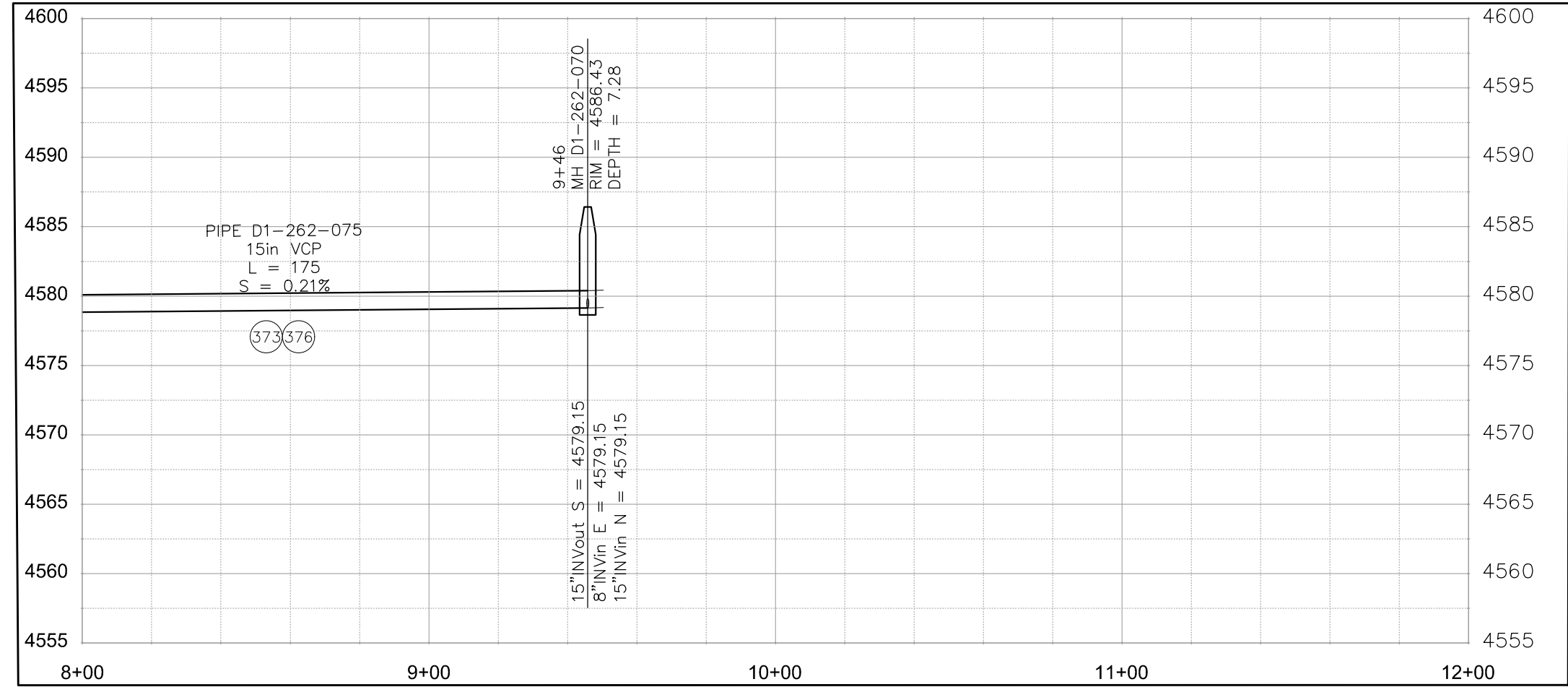
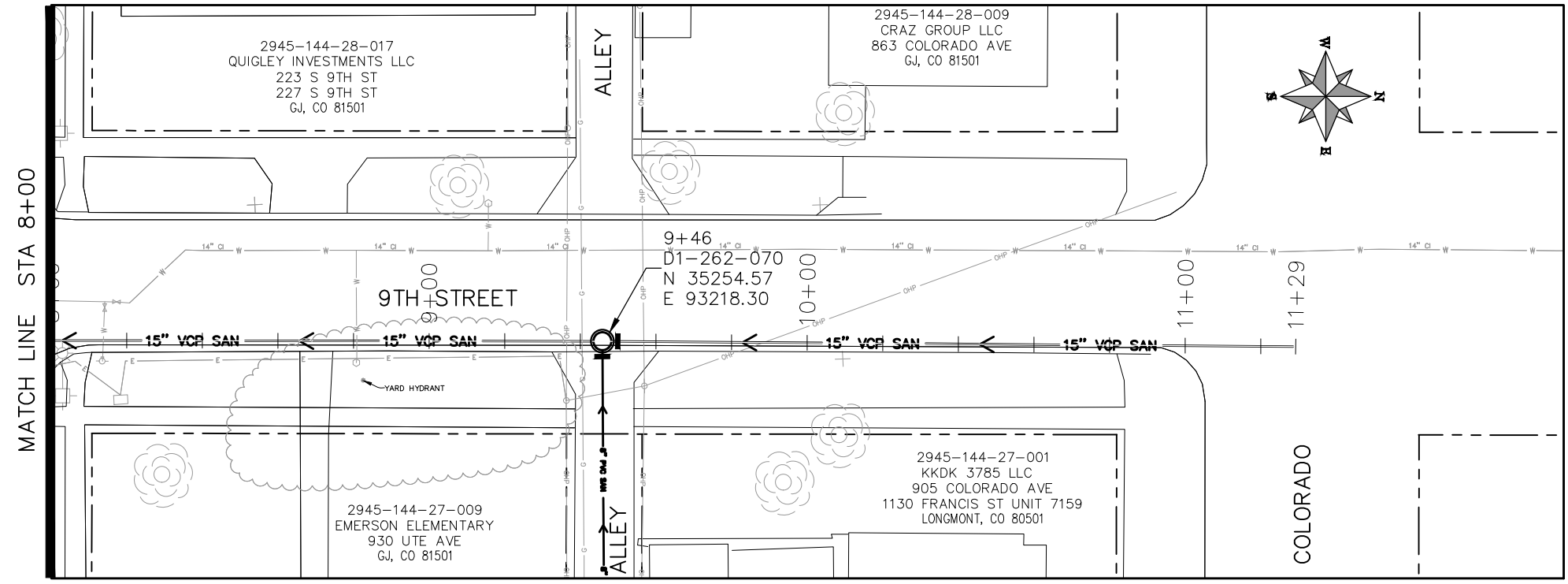
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REVISION			APPROVED BY	HMC/JCS	DATE	2016



PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
9TH STREET CIPP
STA 4+00 TO STA 8+00

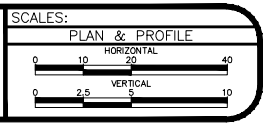
- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

N:\Landproj\2019 Sewer Interceptor Rehabilitations\dwg\28-30_9th_Street.dwg_30_1/24/2019 2:46:40 PM

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REVISION			CHECKED BY	TCP	DATE	2016
REVISION			APPROVED BY	HMC/JCS	DATE	2016



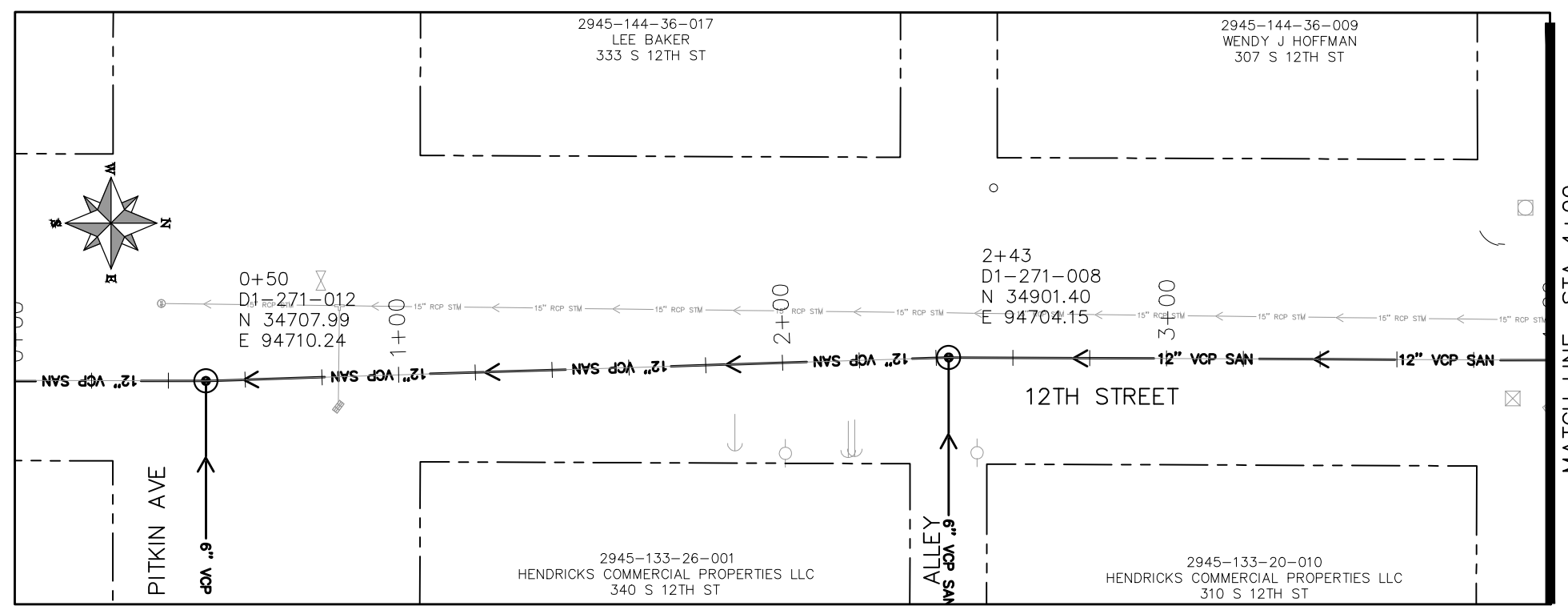
PUBLIC WORKS
ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
9TH STREET CIPP
STA 8+00 TO STA 12+00

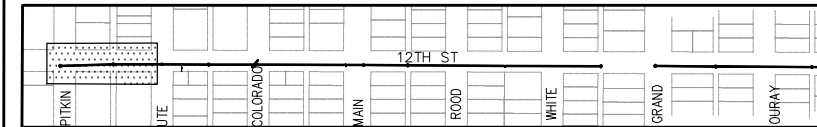
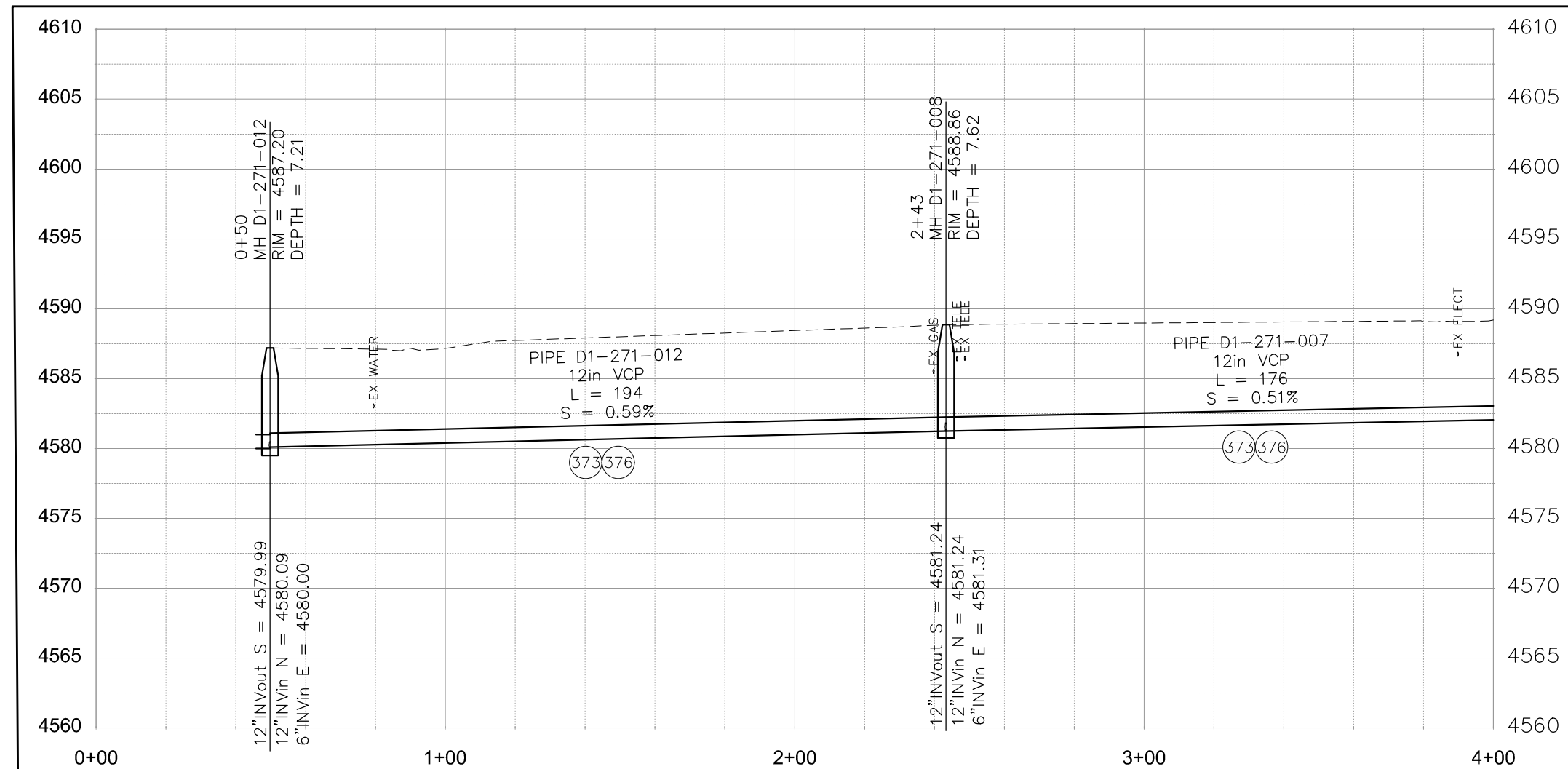
PROJECT NO. _____

CONSTRUCTION NOTES

- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE).
- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



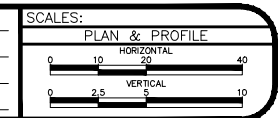
MATCH LINE STA 4+00



KEYMAP

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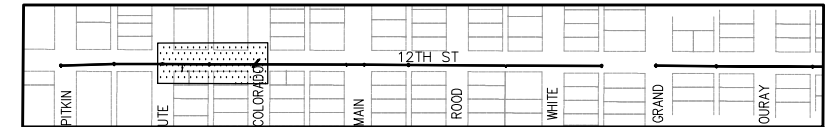
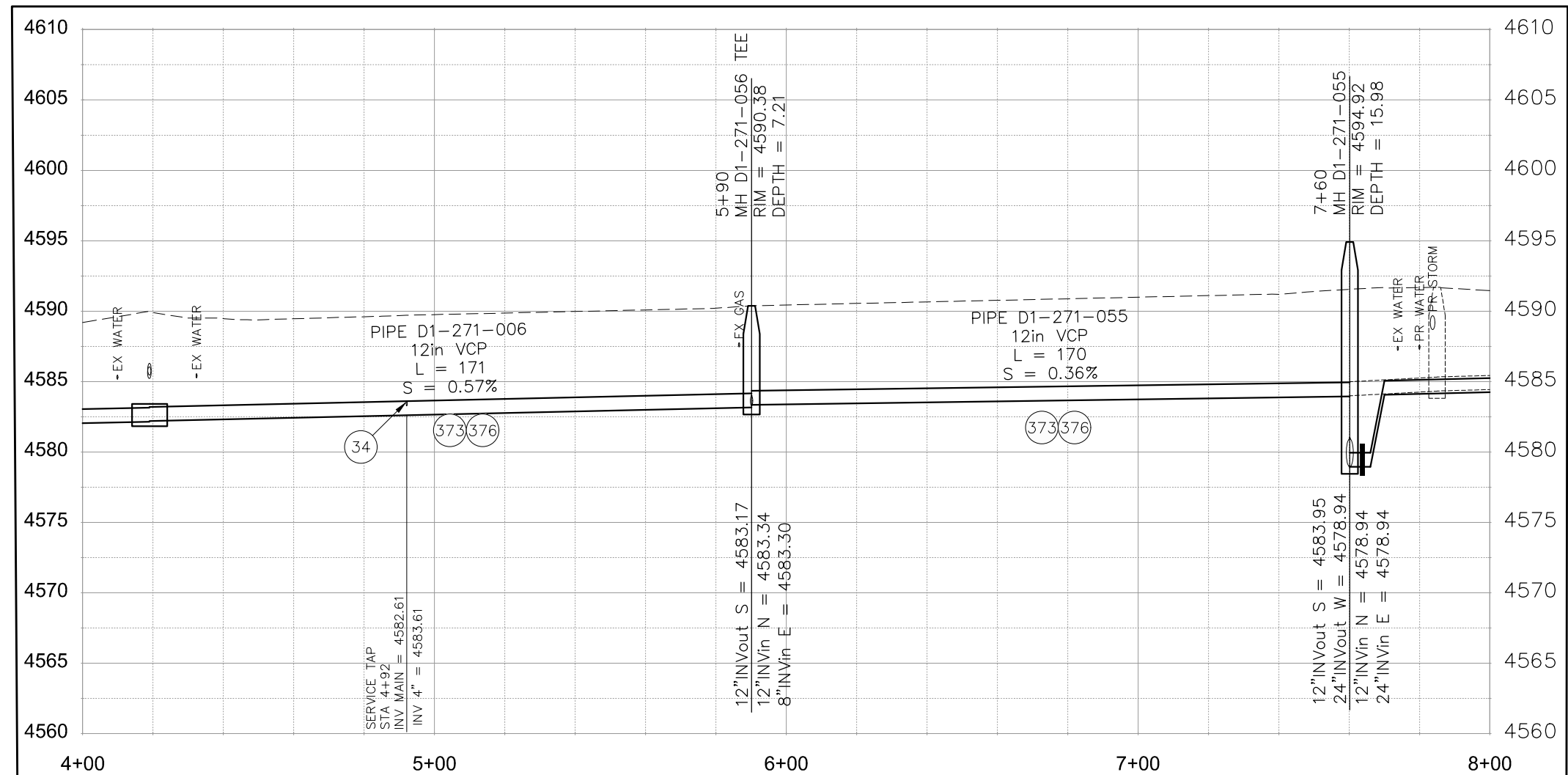
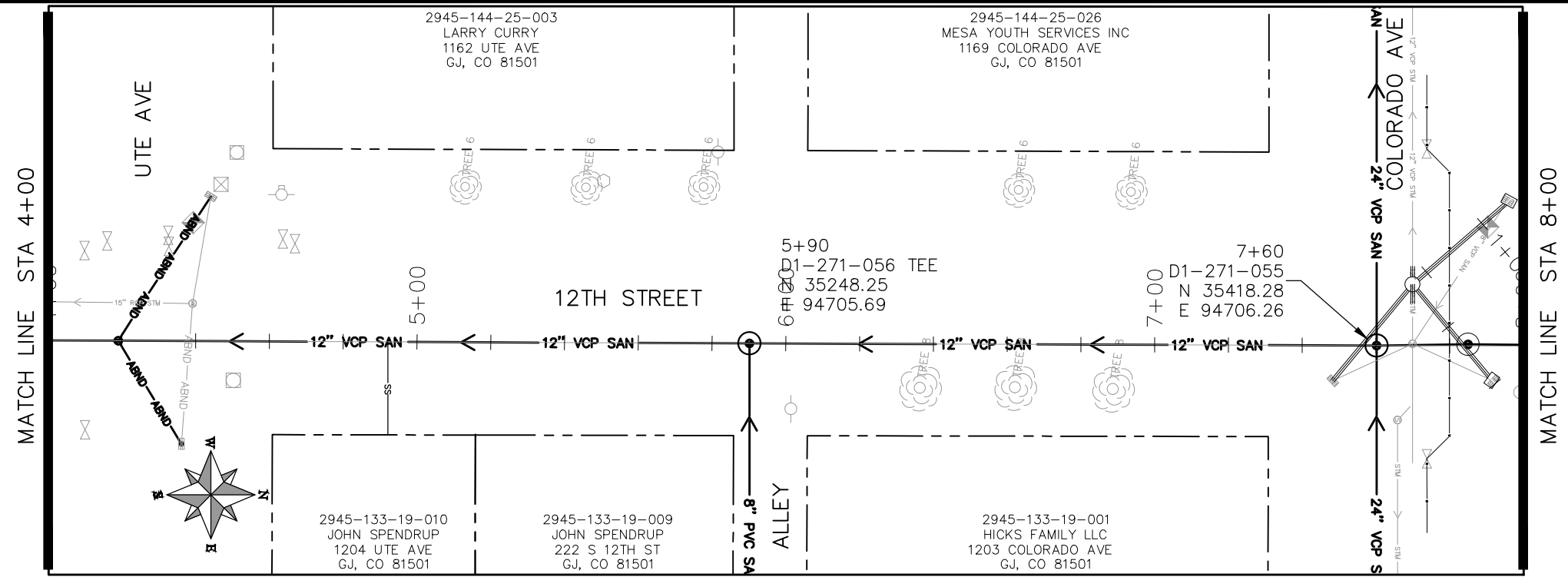
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REVISION			DESIGNED BY	JJV	DATE	2016
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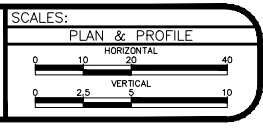
2019 SEWER INTERCEPTOR REHABILITATIONS
12TH STREET CIPP
STA 0+00 TO STA 4+00

- 34 REMOVE CIPP COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP) 252 MANHOLE SHALL BE REMOVED. NEW PIPE INSTALLED AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- 373 10URED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL IN WORK AREA AND BYPASS AREA. MAINTAIN ACCESS TO ALL BUSINESSES AND RESIDENCES AND TWO WAY TRAFFIC (WHERE APPLICABLE)
- 376 REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



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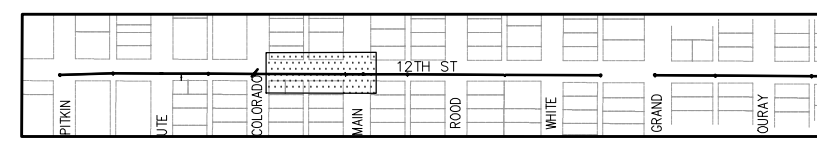
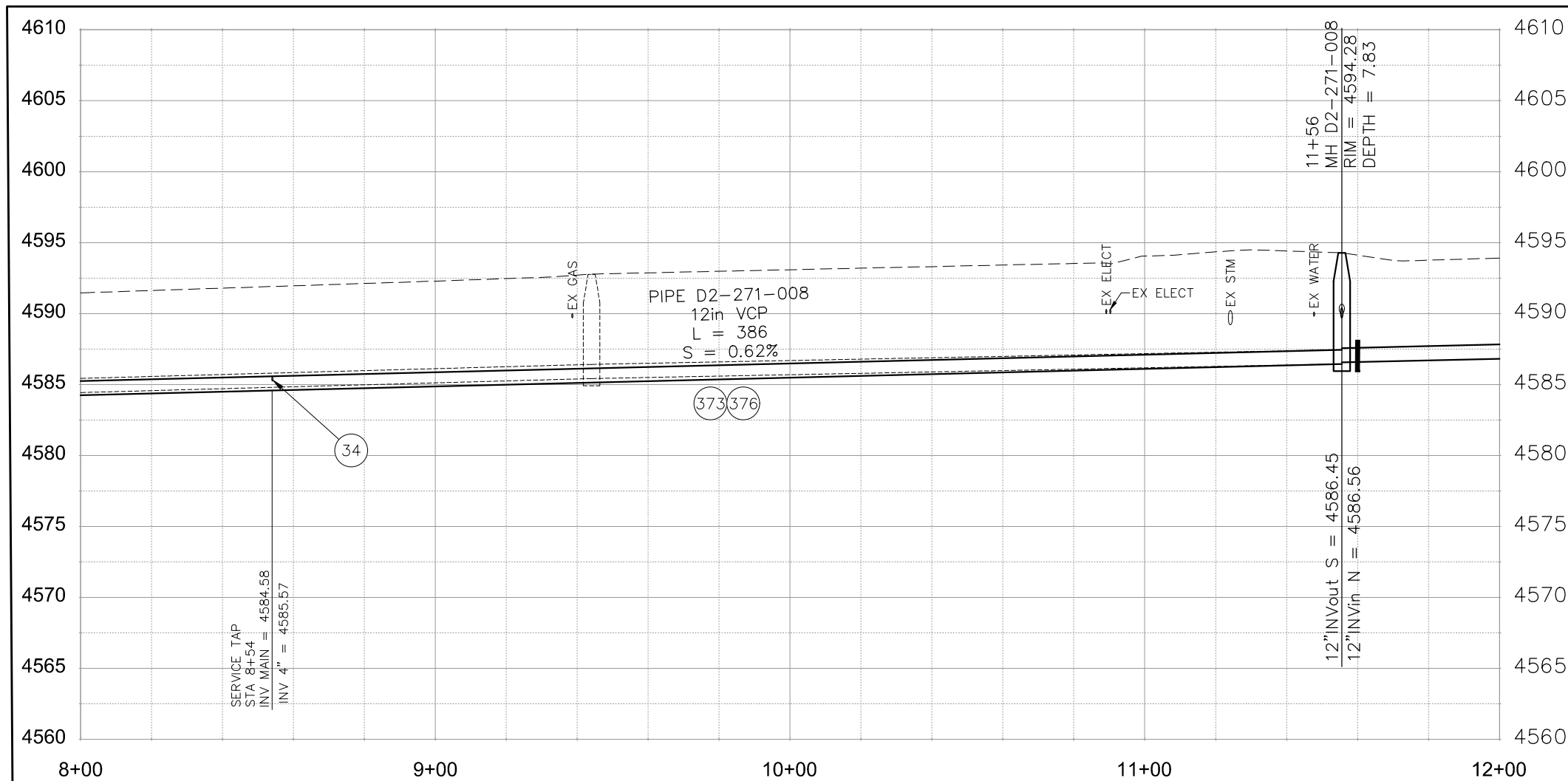
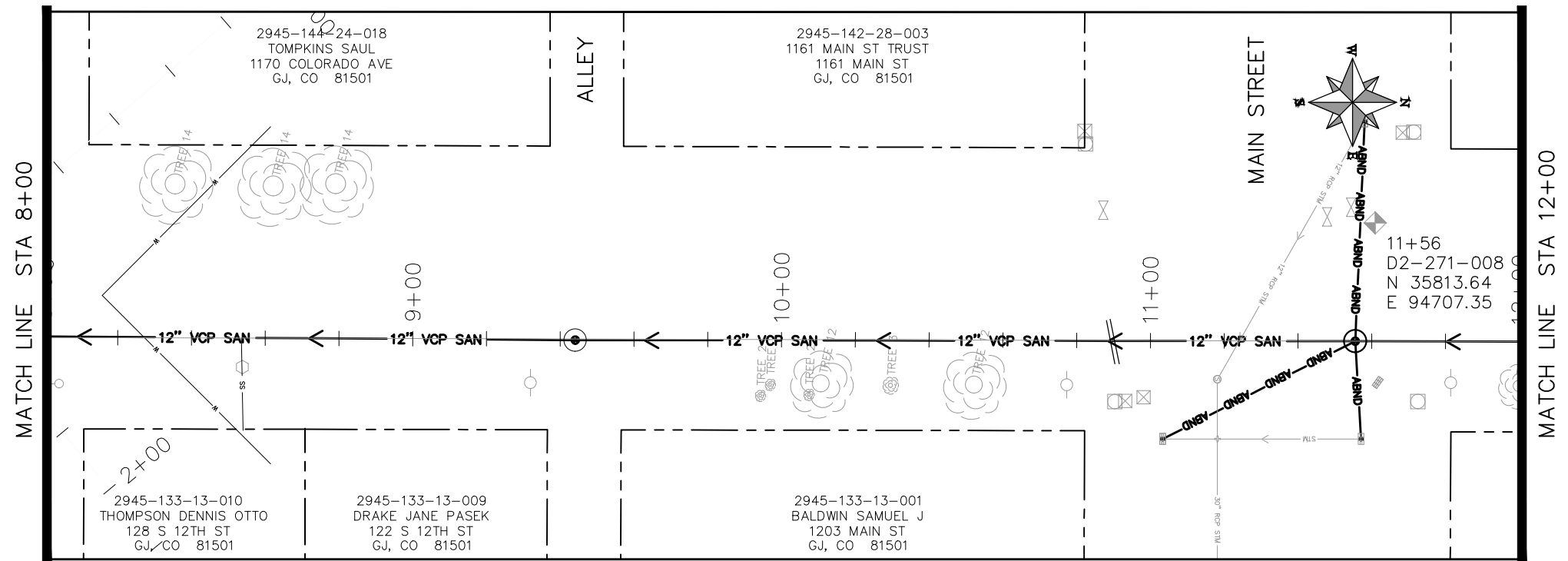
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REVISION			APPROVED BY	HMC/JCS	DATE	2016



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ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
12TH STREET CIPP
STA 4+00 TO STA 8+00

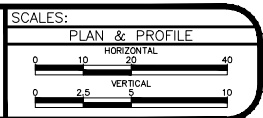
- (34) REMOVE CIPP COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP) 252 MANHOLE SHALL BE REMOVED. NEW PIPE INSTALLED AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
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- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

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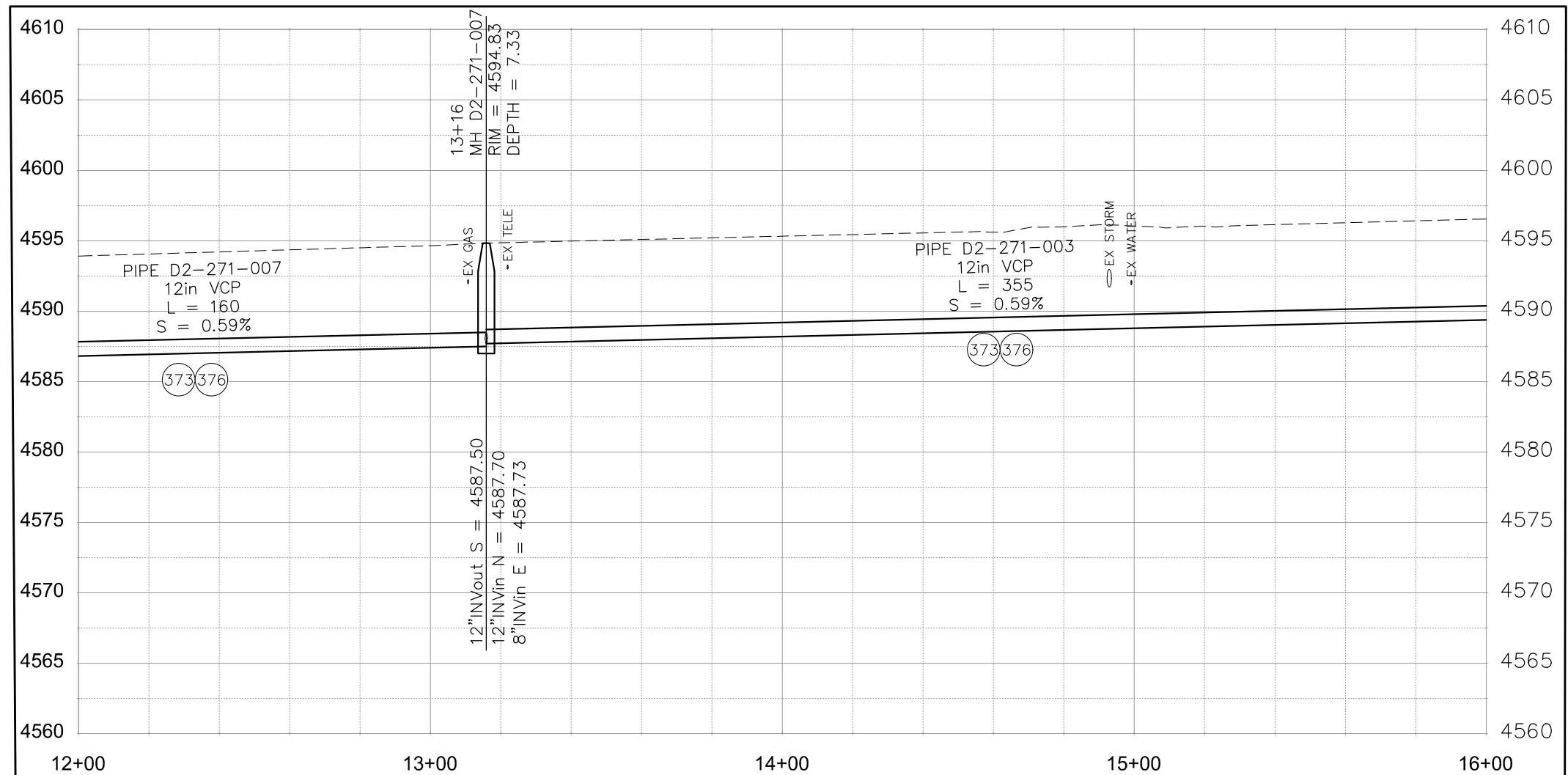
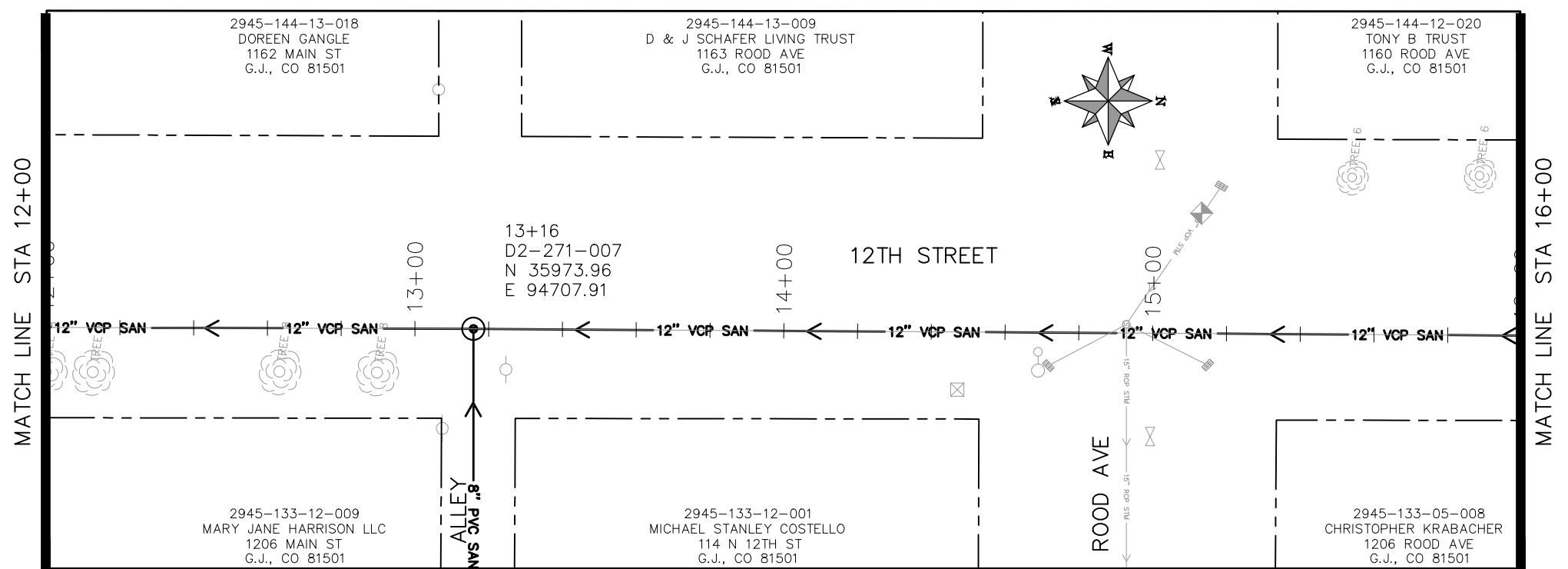


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2019 SEWER INTERCEPTOR REHABILITATIONS
12TH STREET CIPP
STA 8+00 TO STA 12+00

CONSTRUCTION NOTES

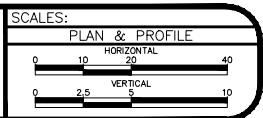
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KEYMAP

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REVISION			APPROVED BY	HMC/JCS	DATE	2016



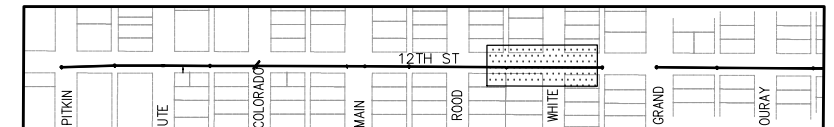
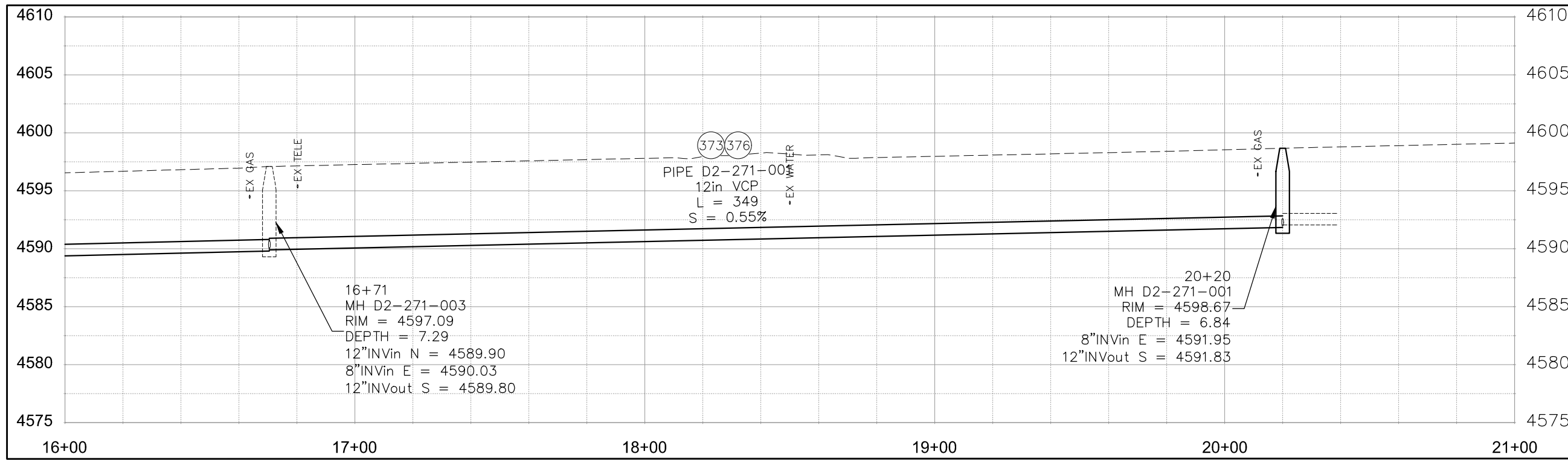
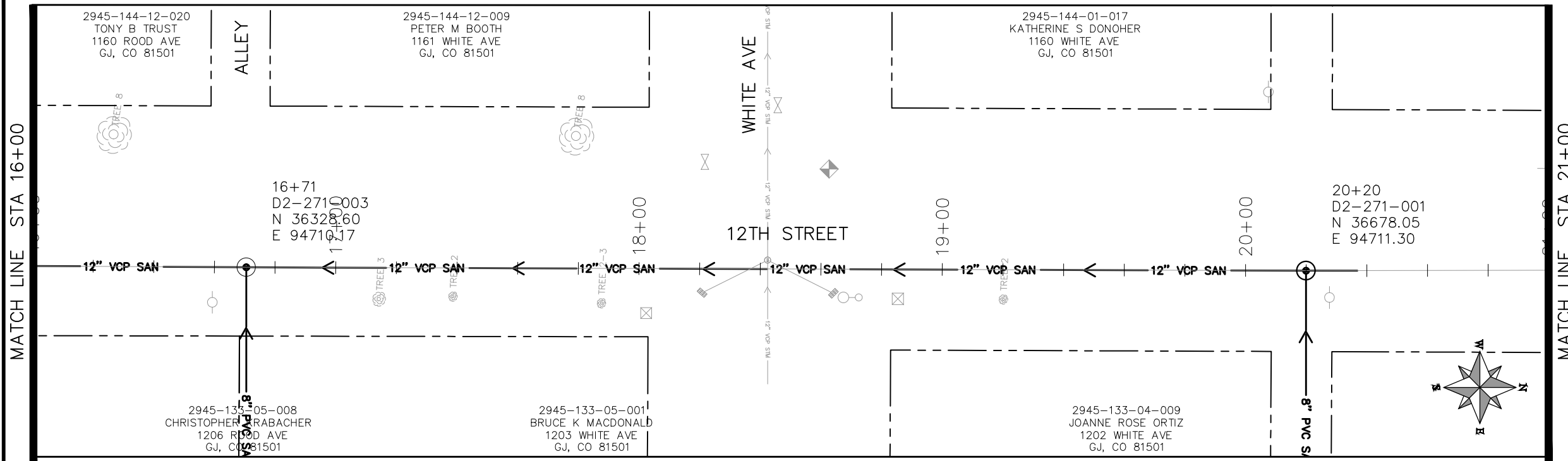
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ENGINEERING DIVISION

2019 SEWER INTERCEPTOR REHABILITATIONS
12TH STREET CIPP
STA 12+00 TO STA 16+00

PROJECT NO. _____

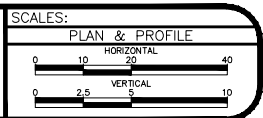
CONSTRUCTION NOTES

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- (376) REMOVE CIPP COUPON AT SERVICE LOCATIONS (INCIDENTAL TO CIPP)



KEYMAP

REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2016
REVISION			DESIGNED BY	JJV	DATE	2016
REVISION			CHECKED BY	TCP	DATE	2016
REVISION			APPROVED BY	HMC/JCS	DATE	2016



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2019 SEWER INTERCEPTOR REHABILITATIONS
12TH STREET CIPP
STA 16+00 TO STA 21+00

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