

2019 SEWER INTERCEPTOR REHABILITATIONS FEBRUARY, 2019

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| <p>1—Cover Sheet</p> <p>2—Standard Abbreviations, Legend and Symbols</p> <p>3—Summary of Approximate Quantities</p> <p>4—Project Location Map</p> <p>5—Keymap Sewer Interceptor Line A</p> <p>6—Line A Plan & Profile Sta 0+00 — 10+00</p> <p>7—Line A Plan & Profile Sta 10+00 — 20+00</p> <p>8—Line A Plan & Profile Sta 20+00 — 30+00</p> <p>9—Line A Plan & Profile Sta 30+00 — 40+00</p> <p>10—Line A Plan & Profile Sta 40+00 — 50+00</p> <p>11—Line A Plan & Profile Sta 50+00 — 57+00</p> <p>12—Keymap Sewer Interceptor Line B</p> | <p>13—Line B Plan & Profile Sta 0+00 — 5+00</p> <p>14—Line B Plan & Profile Sta 5+00 — 10+00</p> <p>15—Line B Plan & Profile Sta 10+00 — 20+00</p> <p>16—Line B Plan & Profile Sta 20+00 — 30+00</p> <p>17—Line B Plan & Profile Sta 30+00 — 40+00</p> <p>18—Line B Plan & Profile Sta 40+00 — 50+00</p> <p>19—Line B Plan & Profile Sta 50+00 — 60+00</p> <p>20—4th St Plan & Profile Sta 0+00 — 4+00</p> <p>21—4th St Plan & Profile Sta 4+00 — 8+00</p> <p>22—4th St Plan & Profile Sta 8+00 — 12+00</p> <p>23—4th St Plan & Profile Sta 12+00 — 16+00</p> <p>24—4th St Plan & Profile Sta 16+00 — 20+00</p> | <p>25—4th St Plan & Profile Sta 20+00 — 24+00</p> <p>26—7th St Plan & Profile Sta 0+00 — 4+00</p> <p>27—7th St Plan & Profile Sta 4+00 — 8+00</p> <p>28—9th St Plan & Profile Sta 0+00 — 4+00</p> <p>29—9th St Plan & Profile Sta 4+00 — 8+00</p> <p>30—9th St Plan & Profile Sta 8+00 — 12+00</p> <p>31—12th St Plan & Profile Sta 0+00 — 4+00</p> <p>32—12th St Plan & Profile Sta 4+00 — 8+00</p> <p>33—12th St Plan & Profile Sta 8+00 — 12+00</p> <p>34—12th St Plan & Profile Sta 12+00 — 16+00</p> <p>35—12th St Plan & Profile Sta 16+00 — 21+00</p> |
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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 C	333 WEST AVE BLDG C	GRAND JCT., CO 81501	(970) 256-4038	(970) 256-4022
CITY OF GRAND JUNCTION	LEE COOPER	PROJECT ENGINEER	SANITARY SEWER	333 WEST AVE BLDG C	333 WEST AVE BLDG C	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 ¼ RD	GRAND JCT., CO 81502	(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



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	

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 Δ	_____	_____
REVISION Δ	_____	_____
REVISION Δ	_____	_____
REVISION Δ	_____	_____

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2019 SEWER INTERCEPTOR REHABILITATIONS FEBRUARY, 2019

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT
AP	ANGLE POINT
ASB	ANCHORED STRAW BALES
ASPB	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
CH	CHORD
CAP	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	DRAINAGE
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

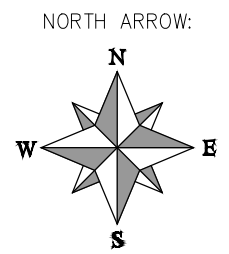
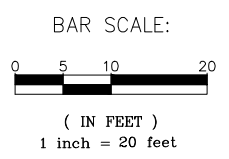
LEGEND

BSWMP	BSWMP
DRAINAGE BASIN BOUNDARY	---
BSWMP ANCHORED STRAW BALES	ASB ASB ASB ASB ASB ASB ASB ASB
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-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	Ⓐ
CATCH BASIN	⊞
CLEAN OUT	⊞
CURB STOP	⊞
FIRE HYDRANT	⊞
GUY WIRE ANCHOR	→
HEADGATE	⊞
IRRIGATION PUMP	⊞
MAILBOX	⊞
MANHOLE (ELECTRIC)	⊞
MANHOLE (GAS)	⊞
MANHOLE (SANITARY/STORM)	⊞
MANHOLE (TELEPHONE)	⊞
MANHOLE (TV)	⊞
MANHOLE (WATER)	⊞
METER (GAS)	⊞
METER (WATER)	⊞
PEDESTAL (TELEPHONE)	⊞
PEDESTAL (TV)	⊞
PROPERTY PIN	•
PULL BOX	⊞
REDUCER FITTING	⊞
SIGN OR POST (SIGN TYPE NOTED)	⊞
SPRINKLER HEAD	⊞
STREET LIGHT	⊞
SURVEY MONUMENT (CITY)	⊞
SURVEY MONUMENT (TYPE NOTED)	⊞
TEST HOLE	⊞
TRAFFIC PAINT MARKING	→
TRAFFIC SIGNAL POLE AND MAST ARM	⊞
UTILITY POLE	⊞
VALVE (GAS)	⊞
VALVE (IRRIGATION)	⊞
VALVE (WATER)	⊞
VEGETATION (HEDGE OR BUSH)	⊞
VEGETATION (TREE STUMP)	⊞
VEGETATION (TREE) (CALIPER SIZE NOTED)	⊞
WATER HYDRANT	⊞
WEIR	⊞
YARD LIGHT	⊞



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" =



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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
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

<small>REVISION</small> Δ _____	<small>DESCRIPTION</small>	<small>DATE</small>	<small>DRAWN BY</small> HMC	<small>DATE</small> 2019
<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

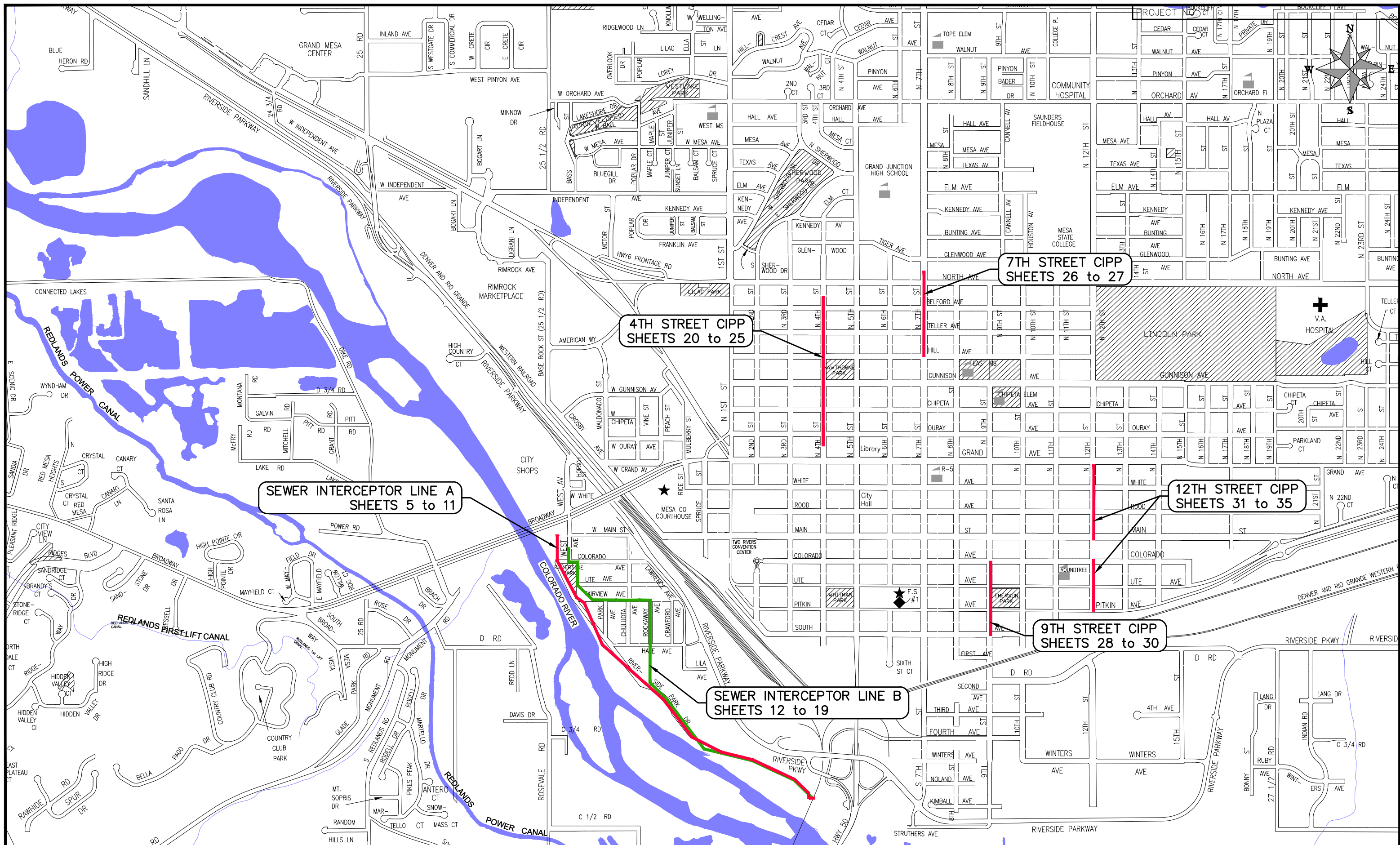
HORIZONTAL: 1" = _____

VERTICAL: 1" = _____



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2019 SEWER INTERCEPTOR REHABILITATIONS
SUMMARY OF APPROXIMATE QUANTITIES



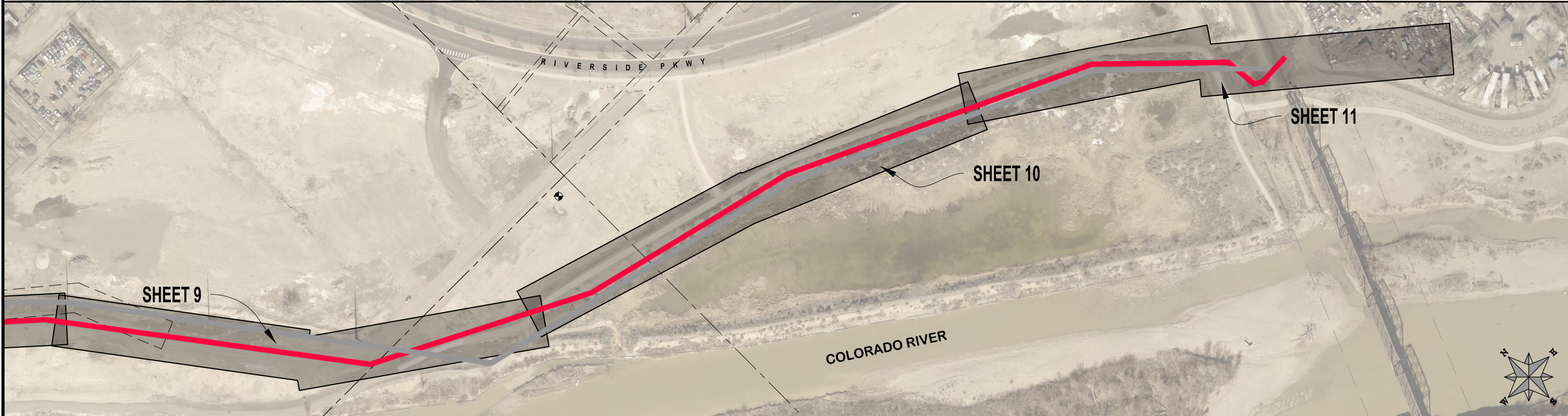
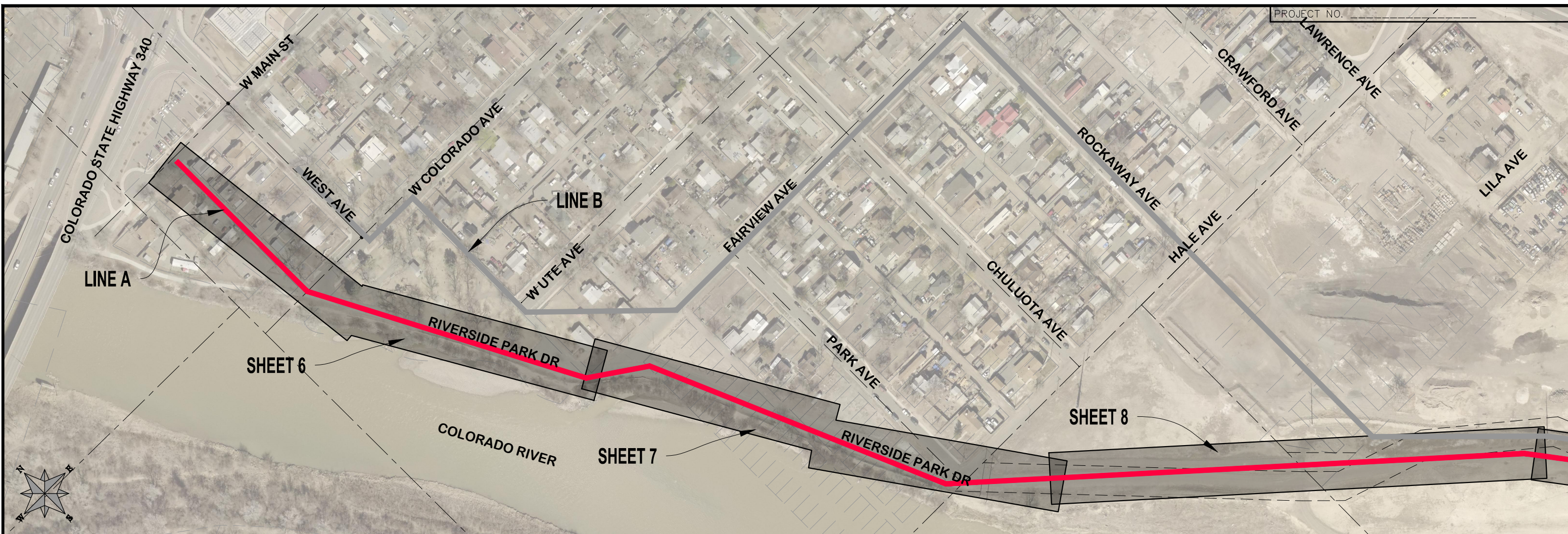
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REVISION			DESIGNED BY		DATE	
REVISION			CHECKED BY		DATE	
REVISION			APPROVED BY		DATE	

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



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2019 SEWER INTERCEPTOR REHABILITATIONS
 PROJECT LOCATION MAP



REVISION	DESCRIPTION	DATE
△		
△		
△		
△		

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

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

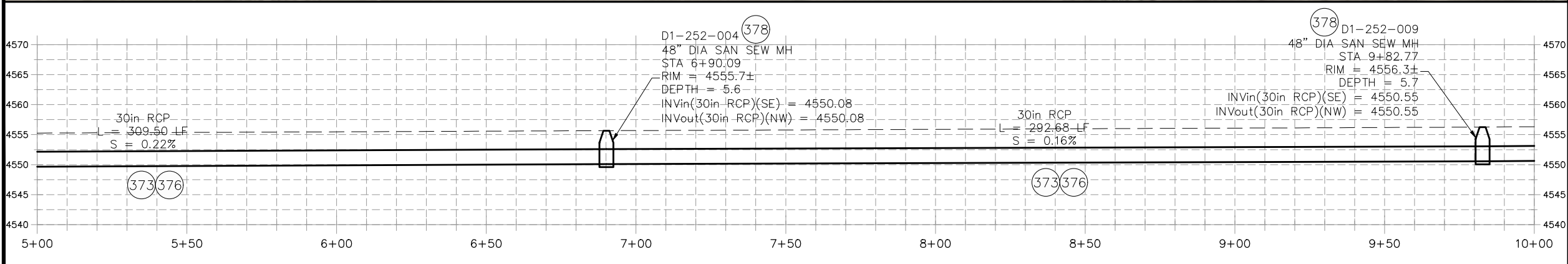
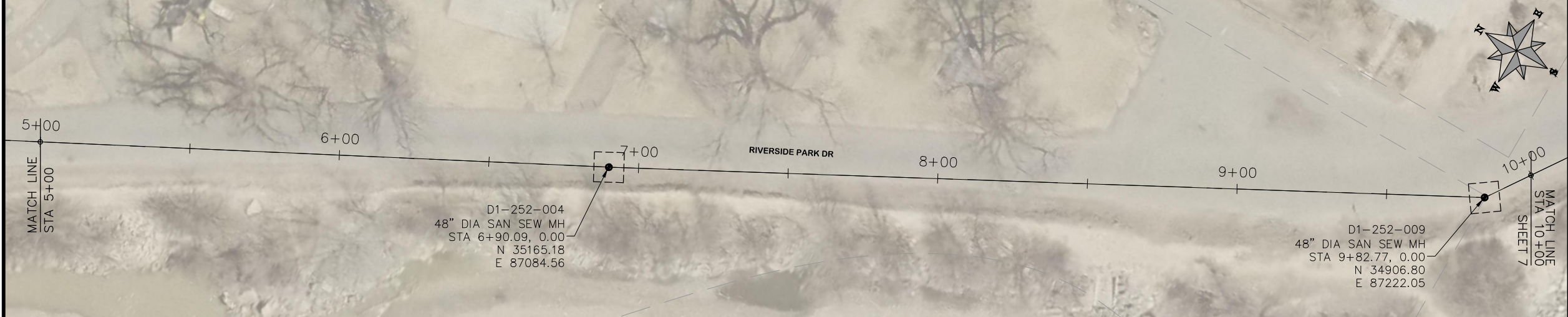
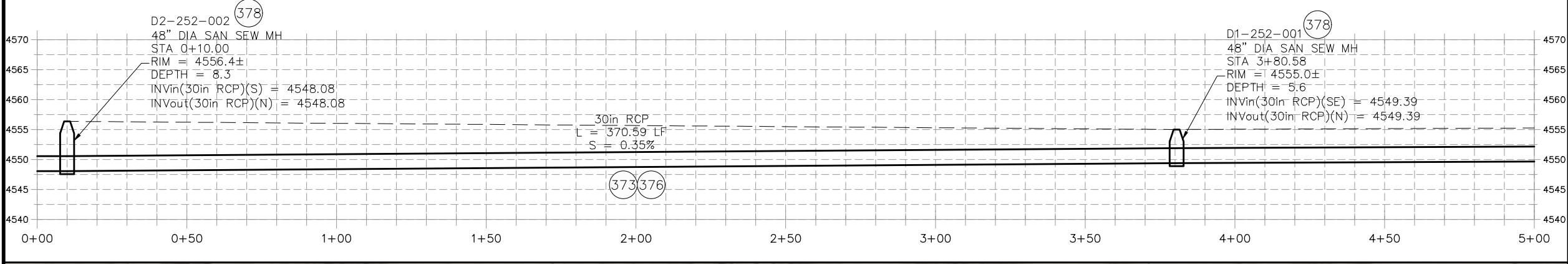


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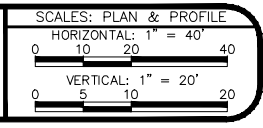
**2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A KEYMAP
STA 0+00 TO STA 57+00**

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



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

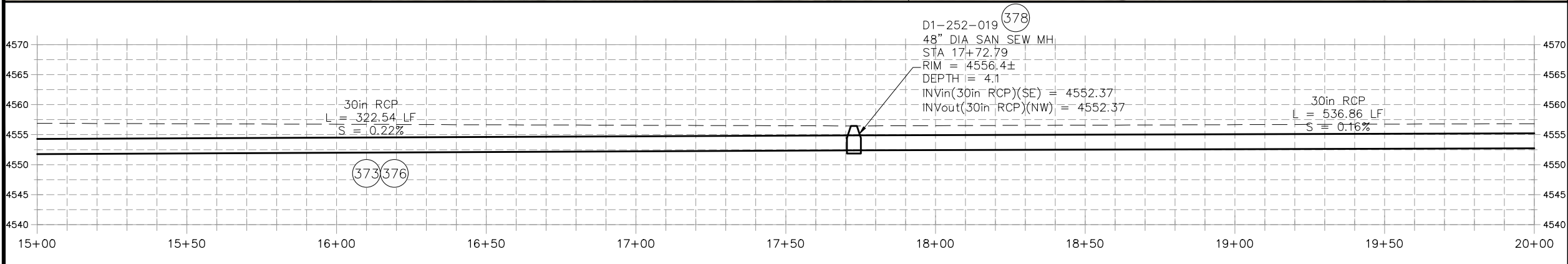
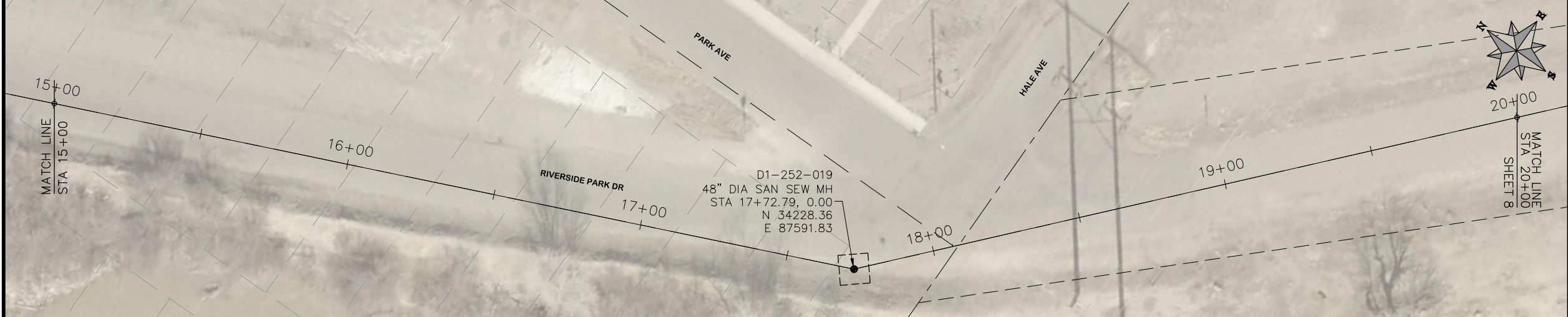
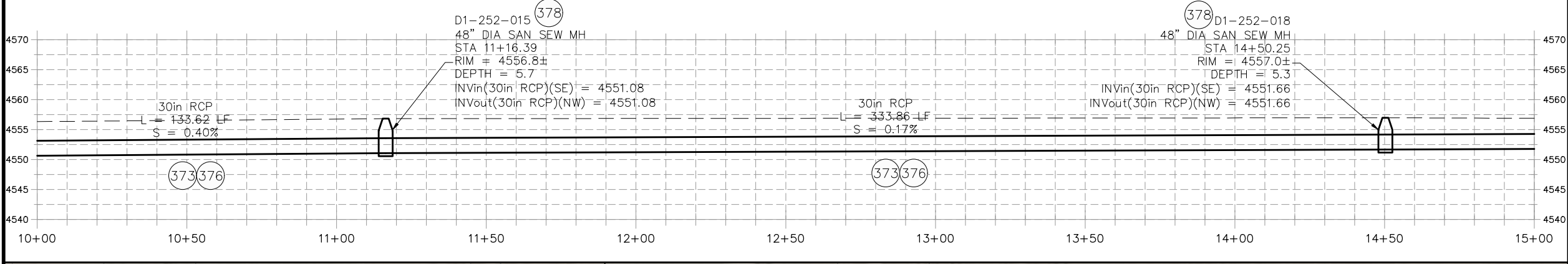
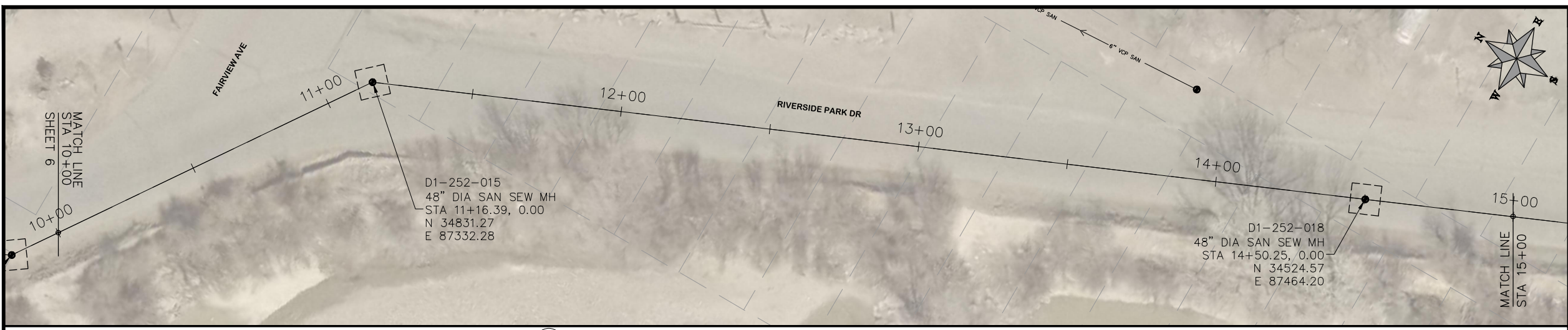


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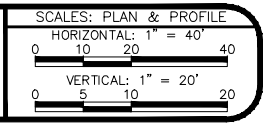
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A PLAN AND PROFILE
STA 0+00 TO STA 10+00

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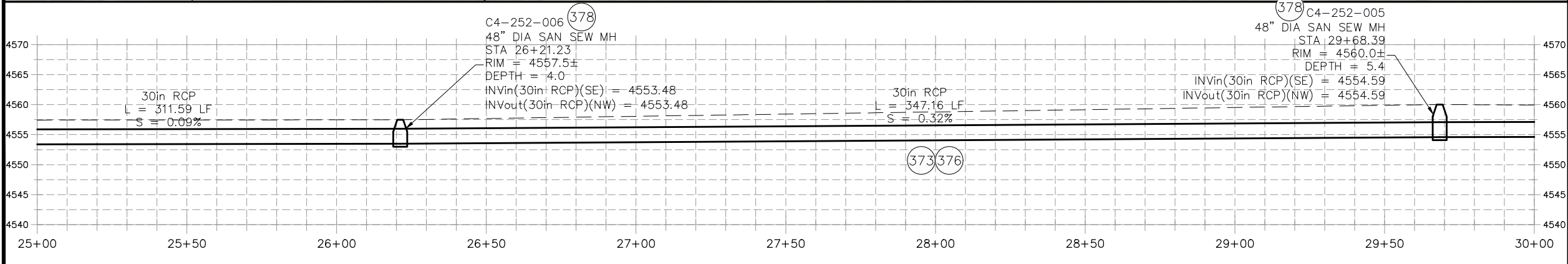
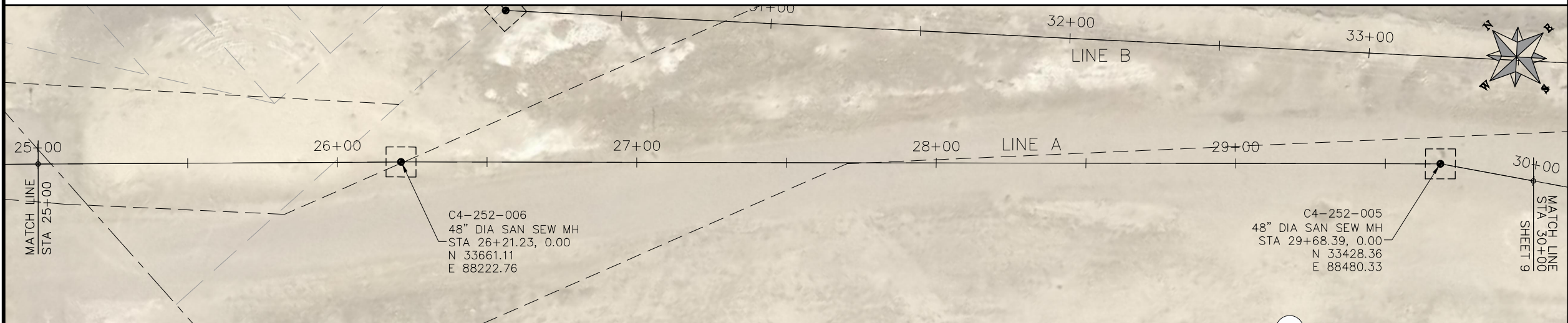
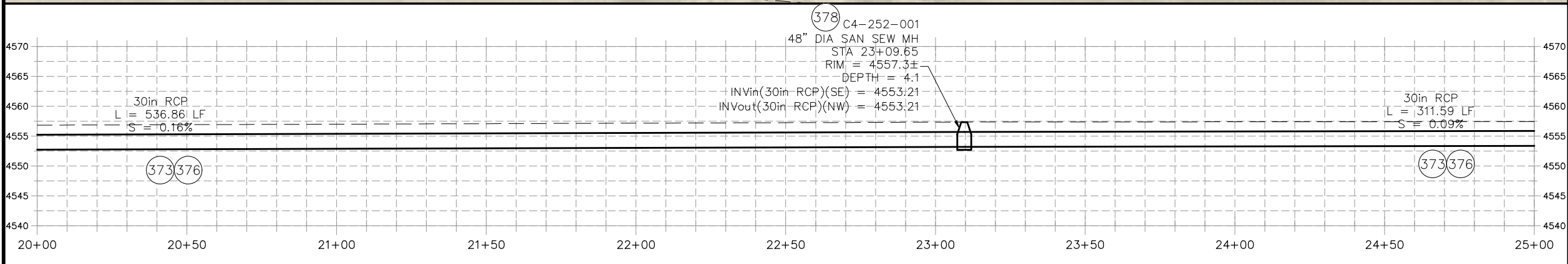
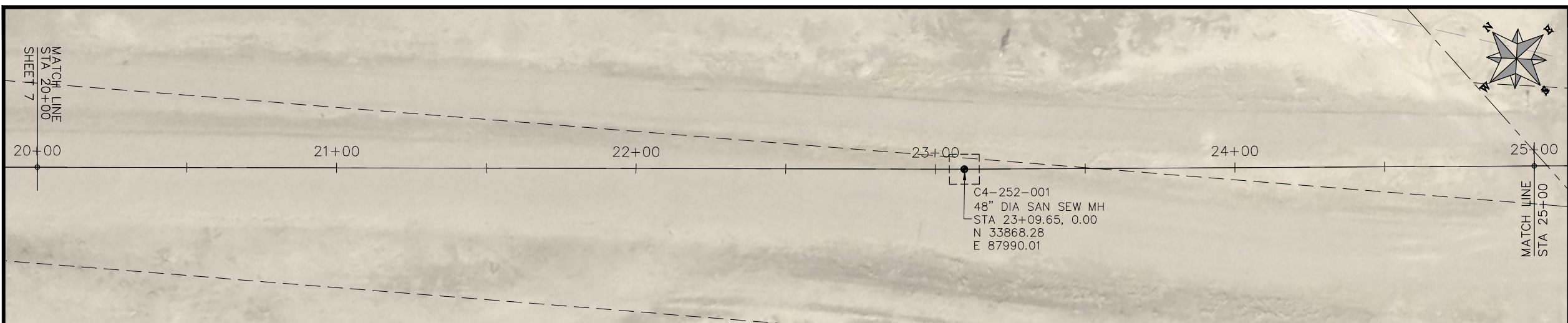


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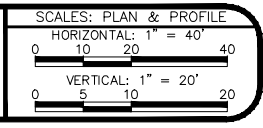
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A PLAN AND PROFILE
STA 10+00 TO STA 20+00

CONSTRUCTION NOTES

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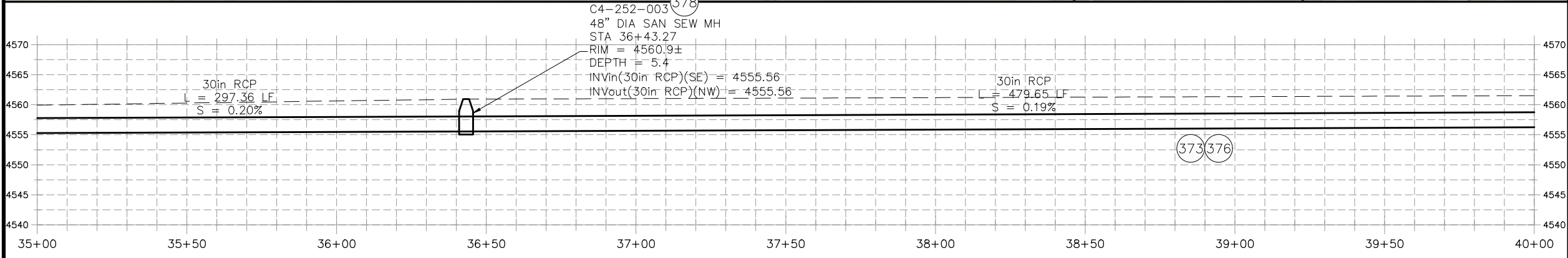
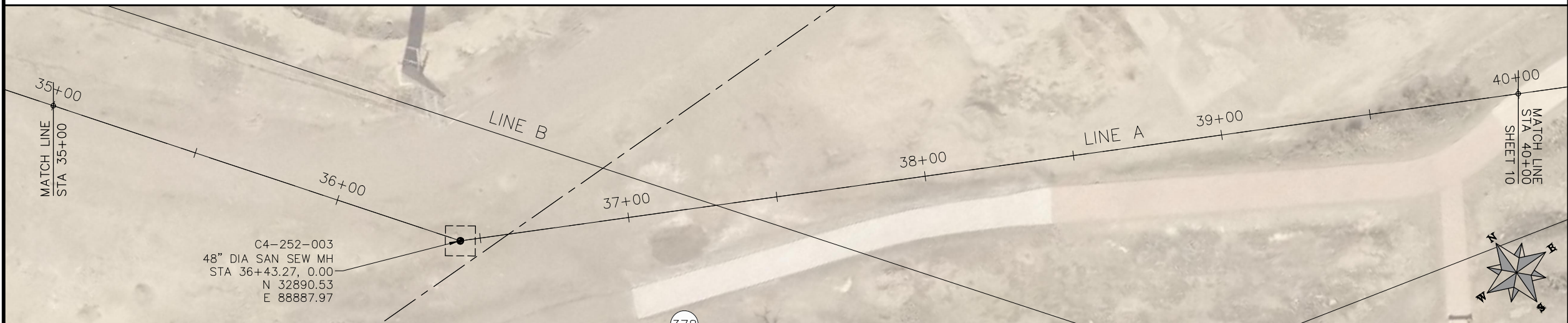
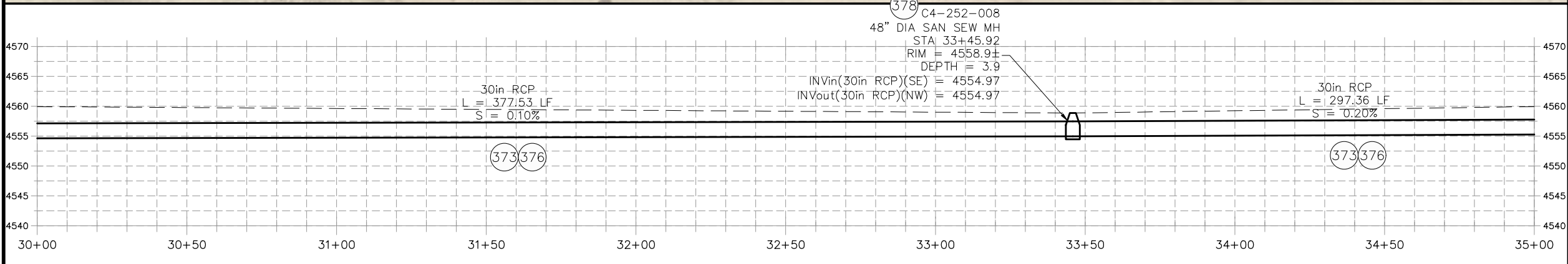
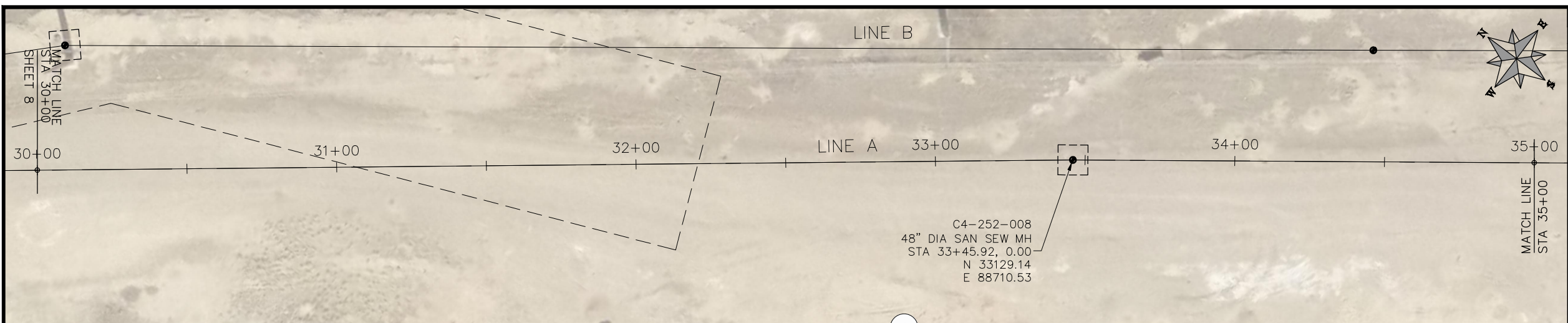


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ENGINEERING DIVISION

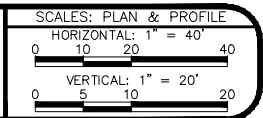
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A PLAN AND PROFILE
STA 20+00 TO STA 30+00

CONSTRUCTION NOTES

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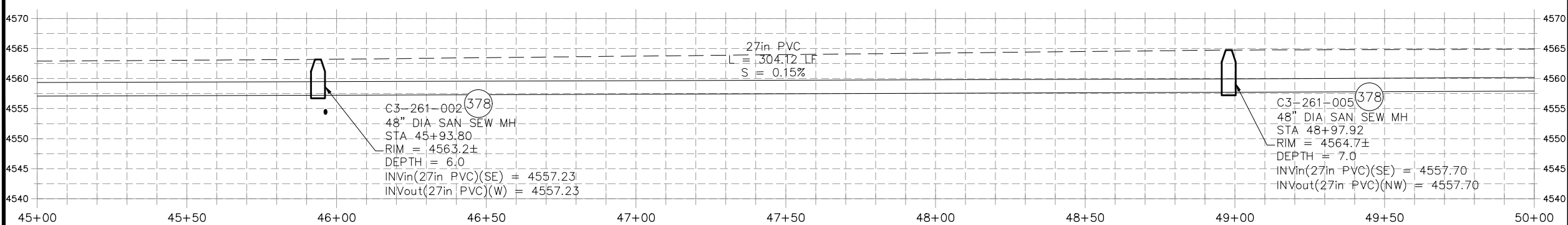
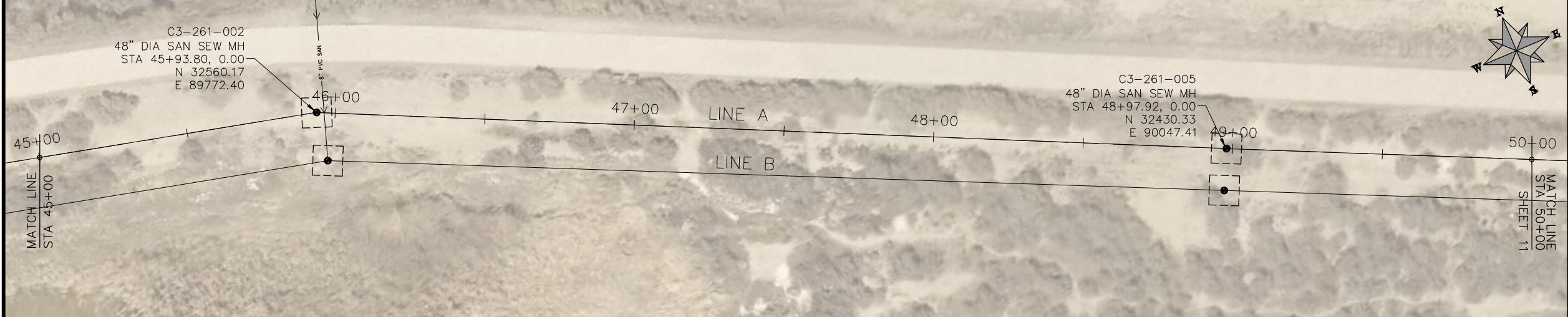
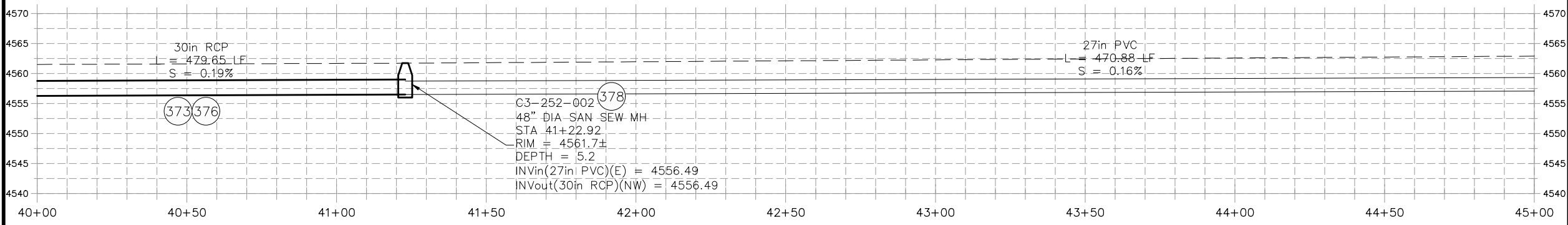
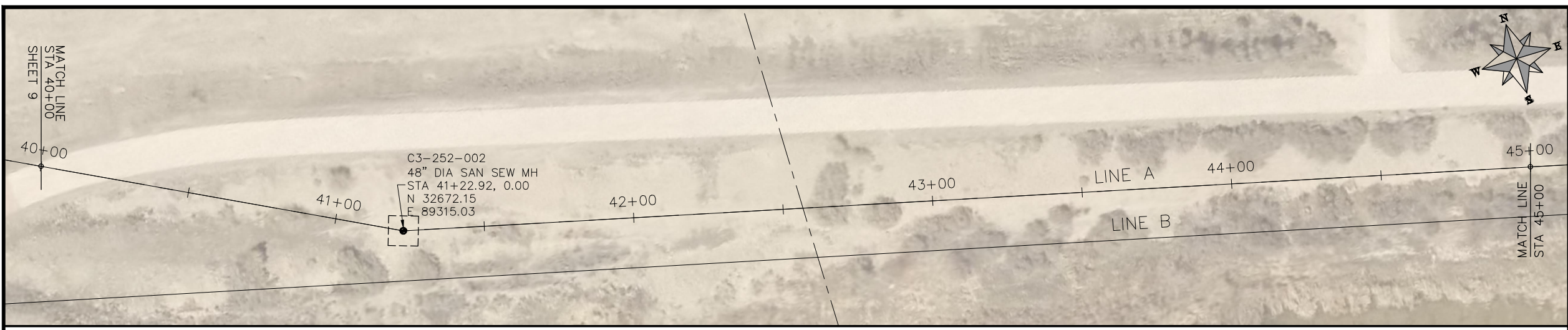


PUBLIC WORKS
ENGINEERING DIVISION

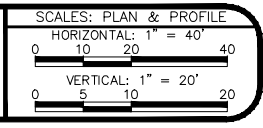
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE A PLAN AND PROFILE
STA 30+00 TO STA 40+00

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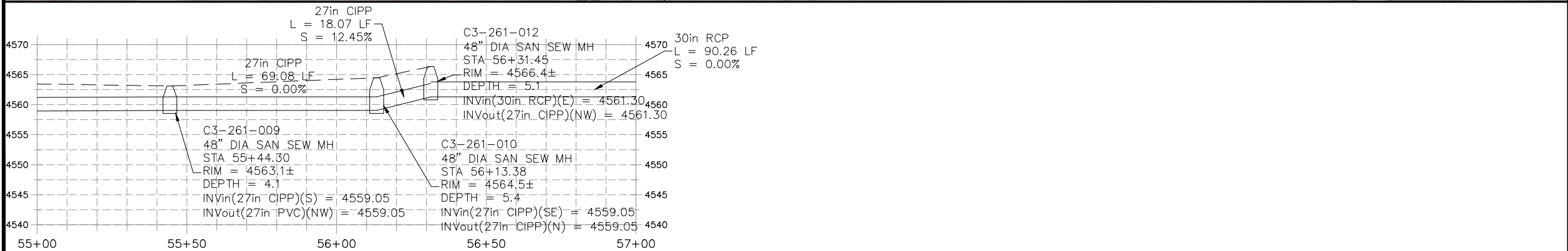
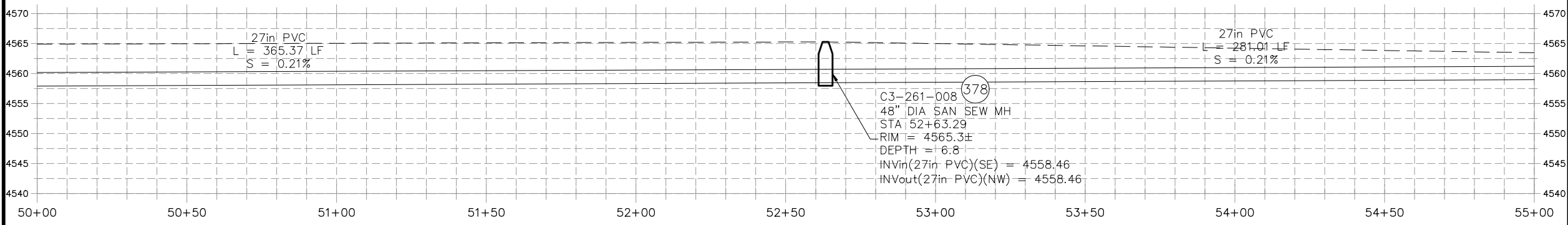
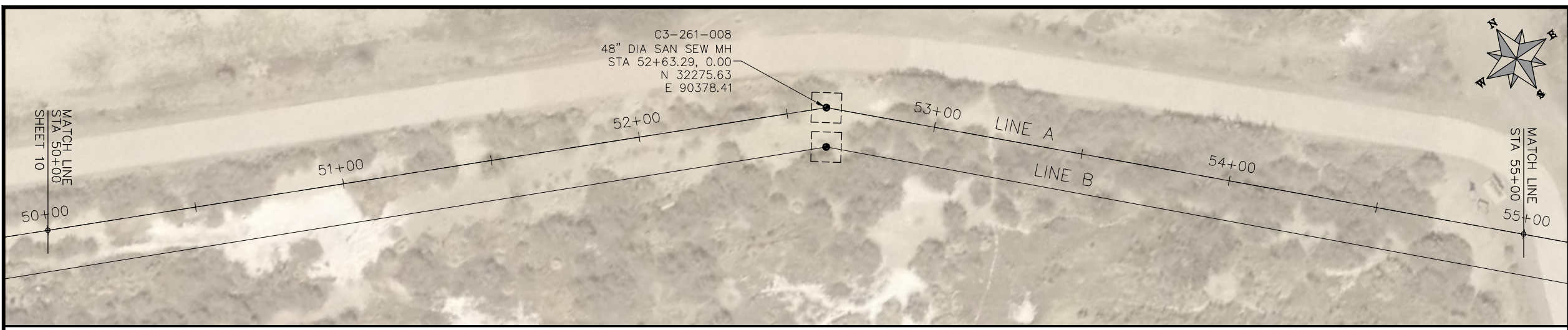
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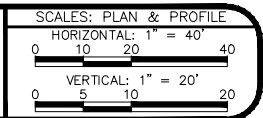
PUBLIC WORKS
ENGINEERING DIVISION

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

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

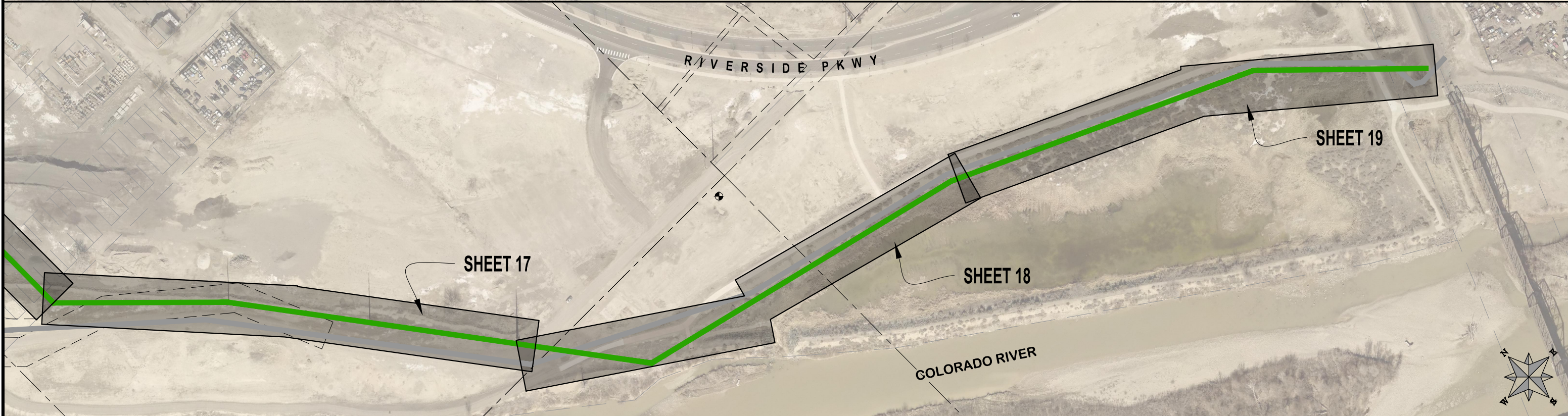
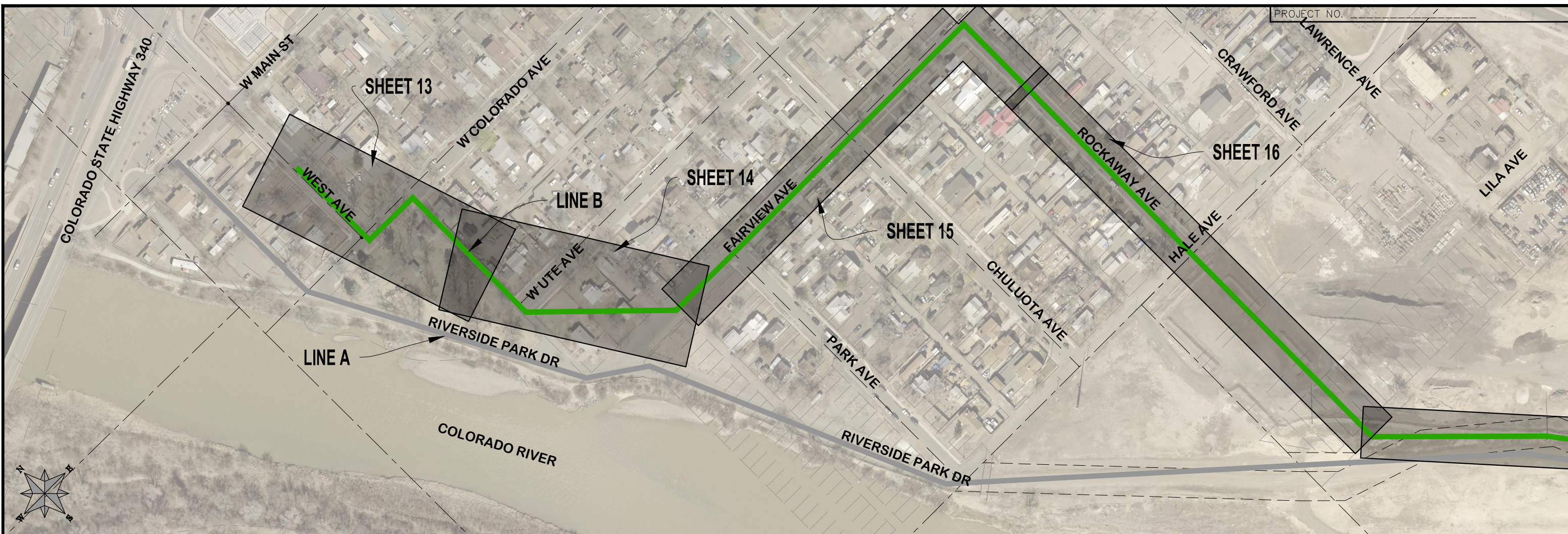


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PUBLIC WORKS
ENGINEERING DIVISION

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



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

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 200'	
0 50 100 200	
VERTICAL: 1" =	

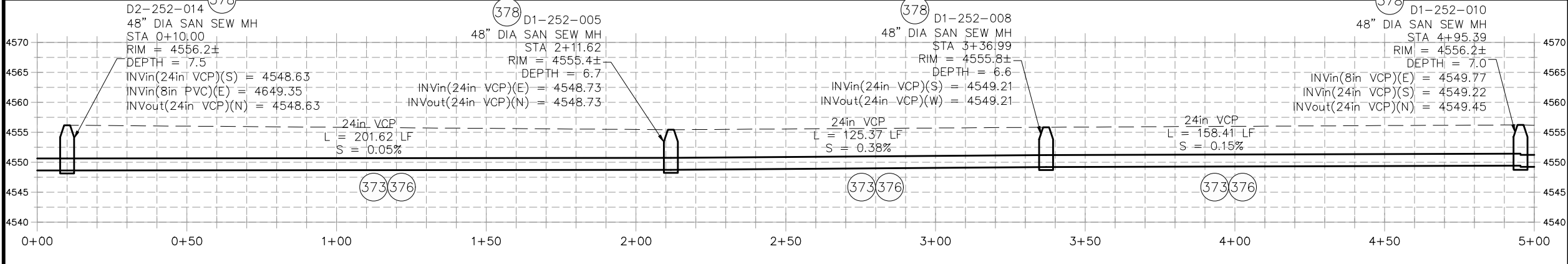


PUBLIC WORKS
ENGINEERING DIVISION

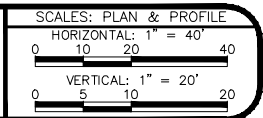
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B KEYMAP
STA 0+00 TO STA 60+00

CONSTRUCTION NOTES

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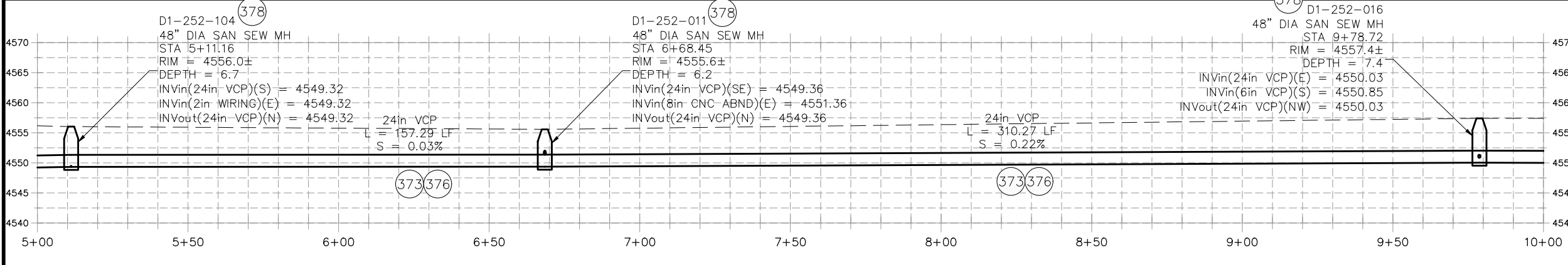


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ENGINEERING DIVISION

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

CONSTRUCTION NOTES

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SCALES: PLAN & PROFILE

HORIZONTAL: 1" = 40'

VERTICAL: 1" = 20'

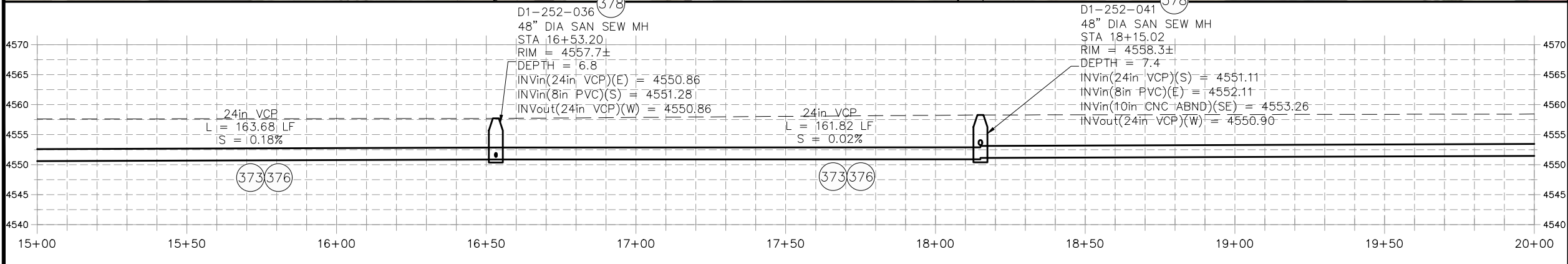
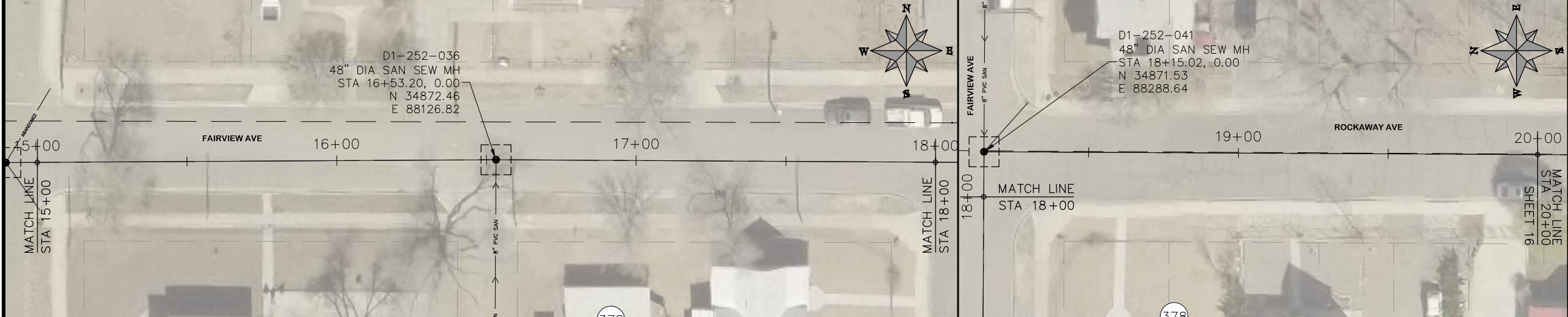
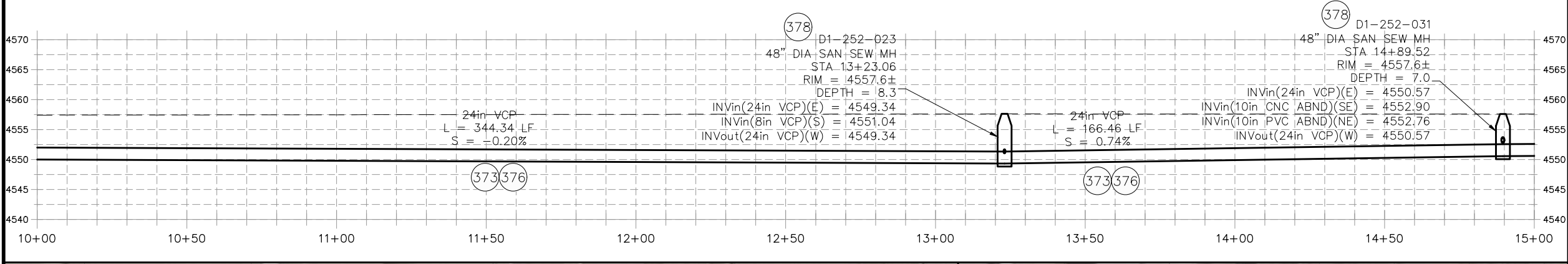
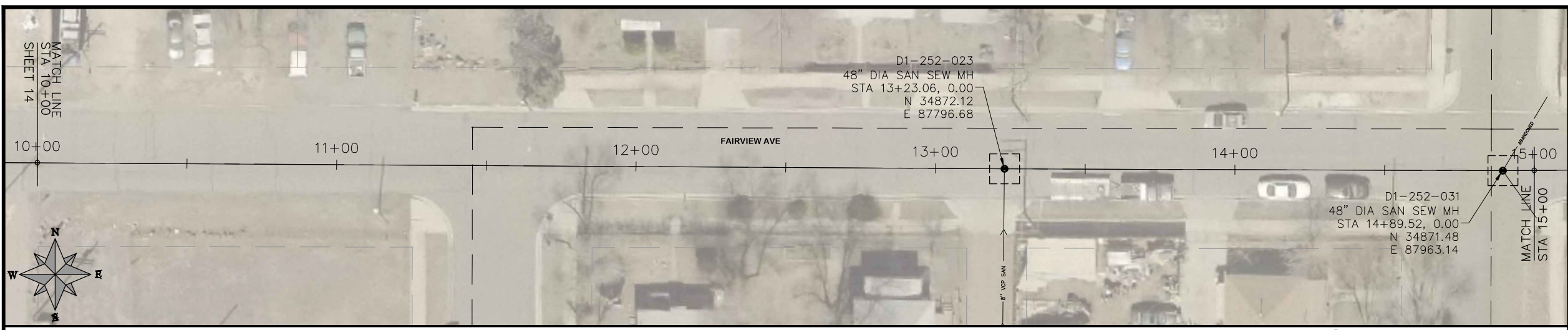


PUBLIC WORKS
ENGINEERING DIVISION

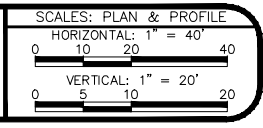
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B PLAN AND PROFILE
STA 5+00 TO STA 10+00

CONSTRUCTION NOTES

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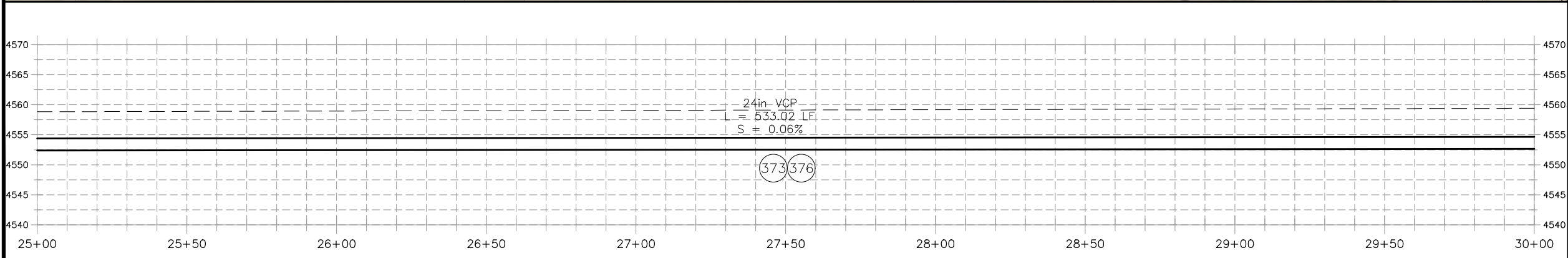
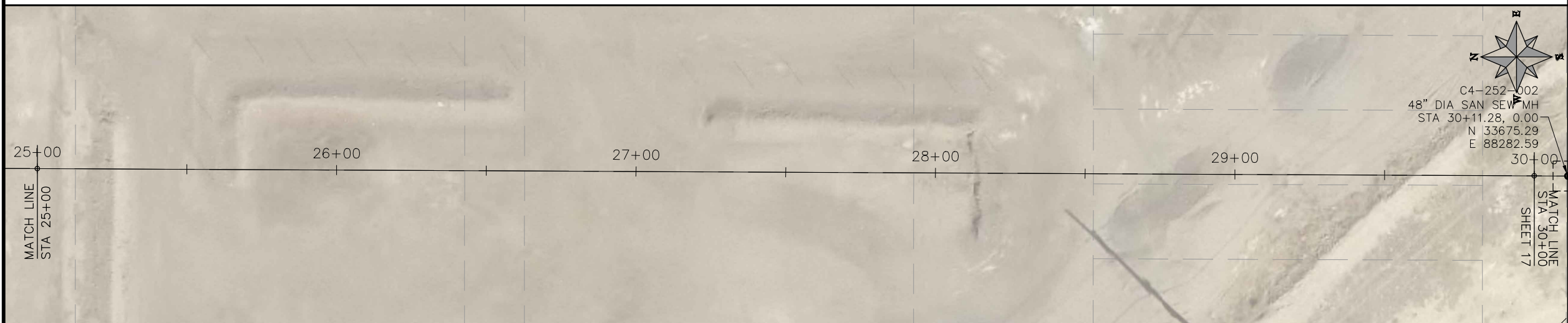
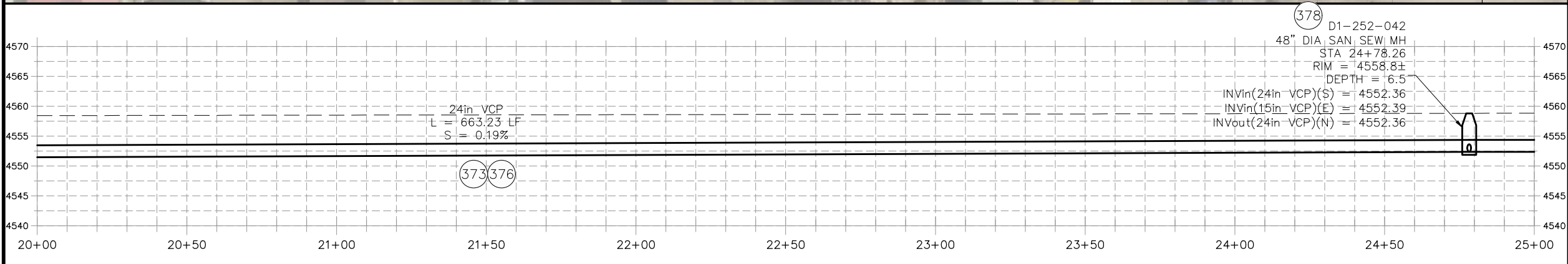


PUBLIC WORKS
ENGINEERING DIVISION

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

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SCALES: PLAN & PROFILE

HORIZONTAL: 1" = 40'

VERTICAL: 1" = 20'

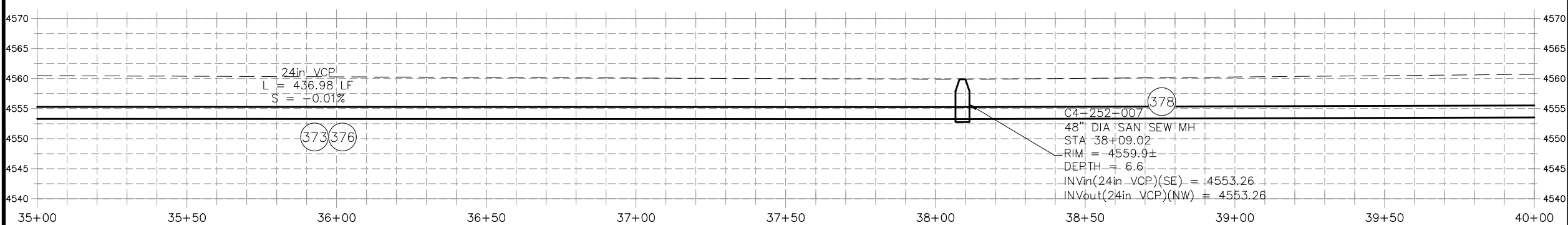
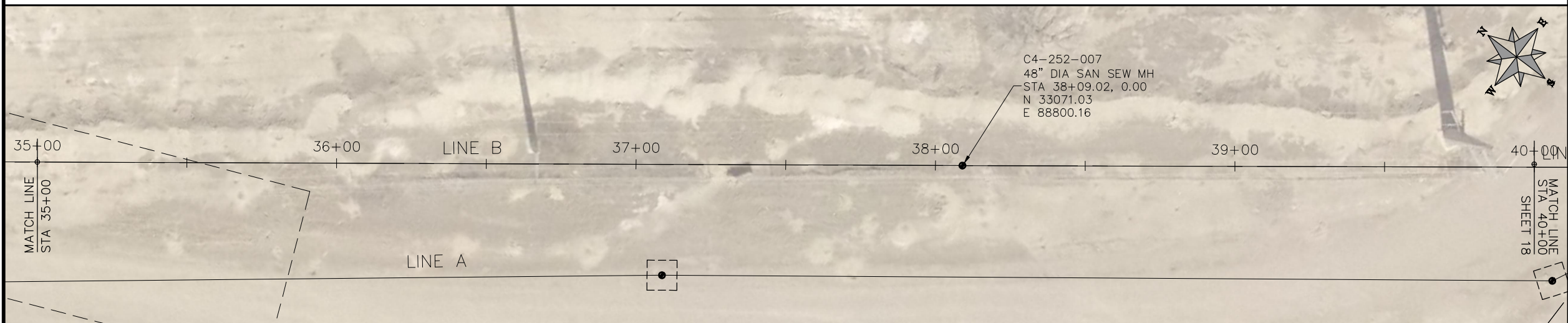
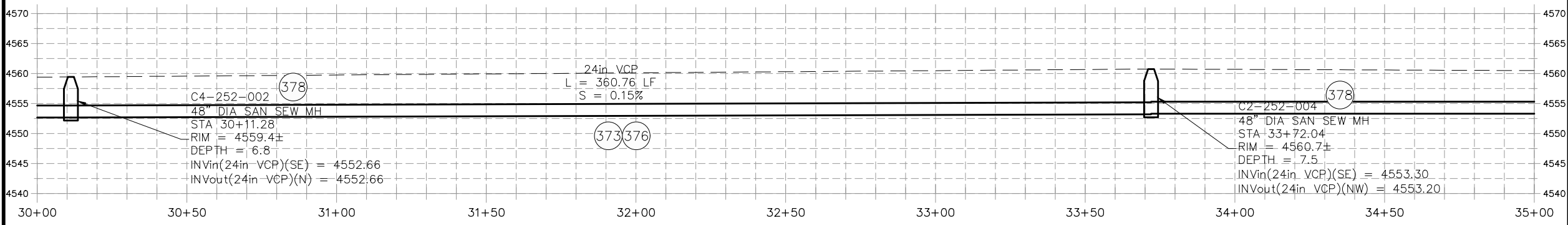
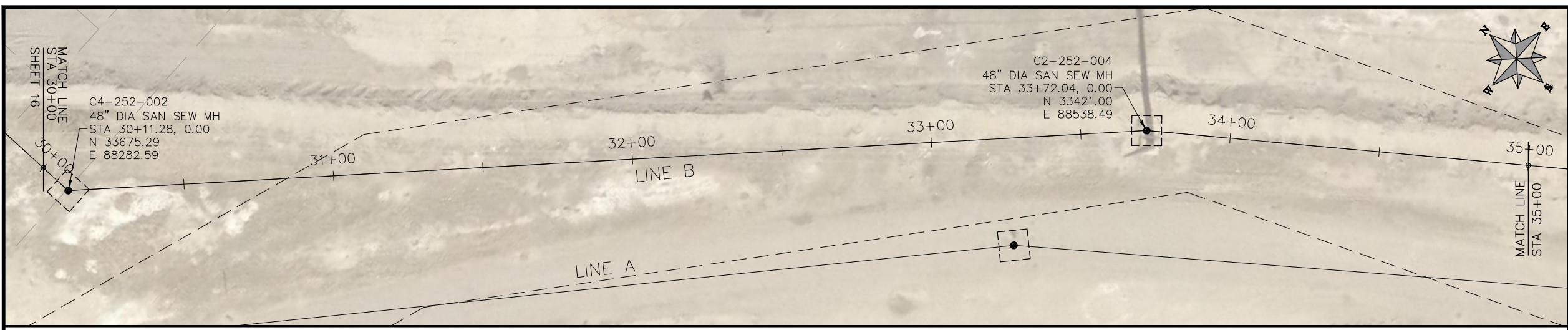


PUBLIC WORKS
ENGINEERING DIVISION

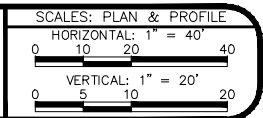
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B PLAN AND PROFILE
STA 20+00 TO STA 30+00

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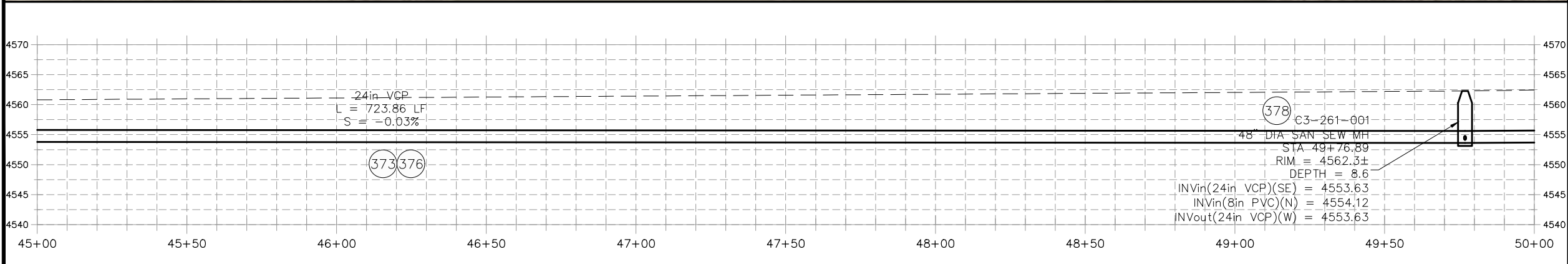
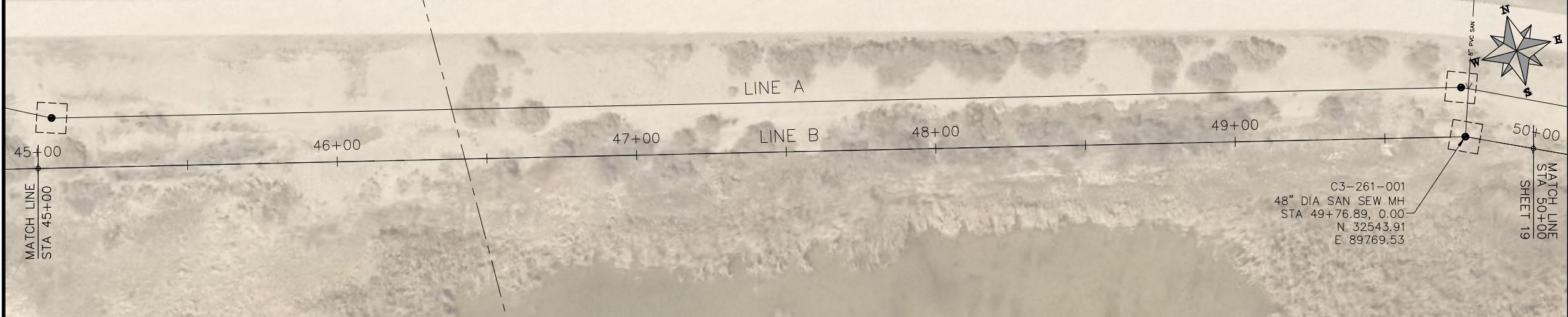
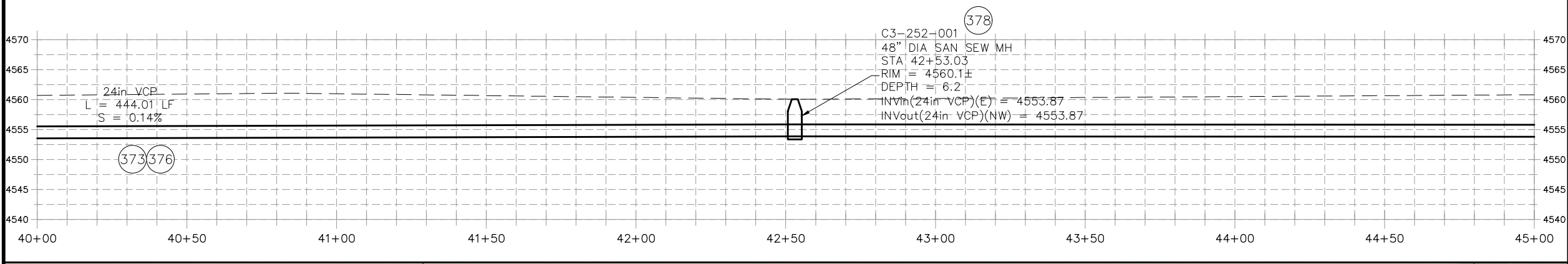
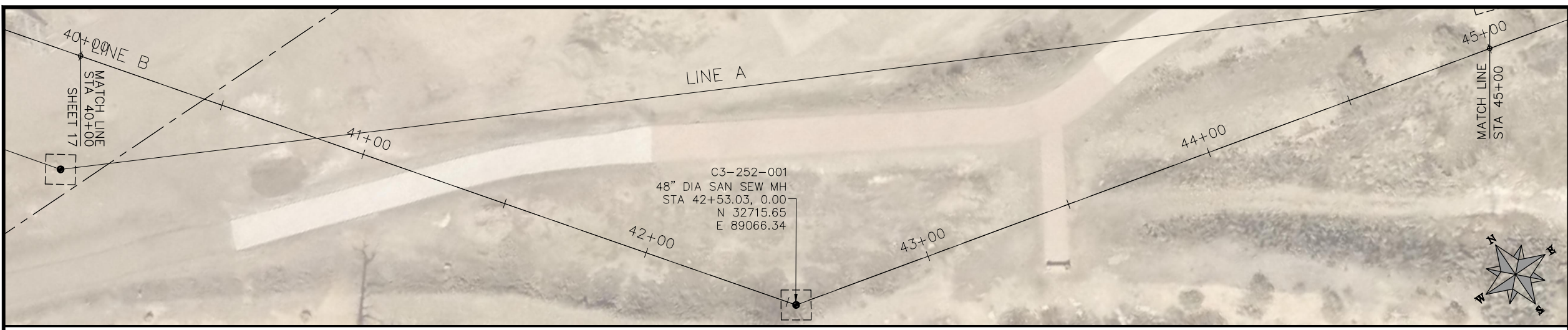


PUBLIC WORKS
ENGINEERING DIVISION

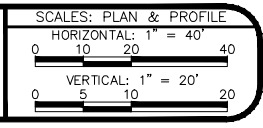
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B PLAN AND PROFILE
STA 30+00 TO STA 40+00

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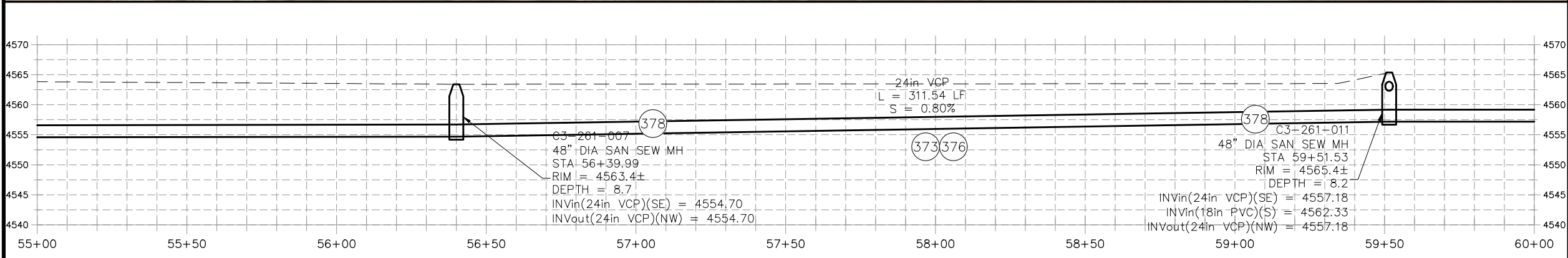
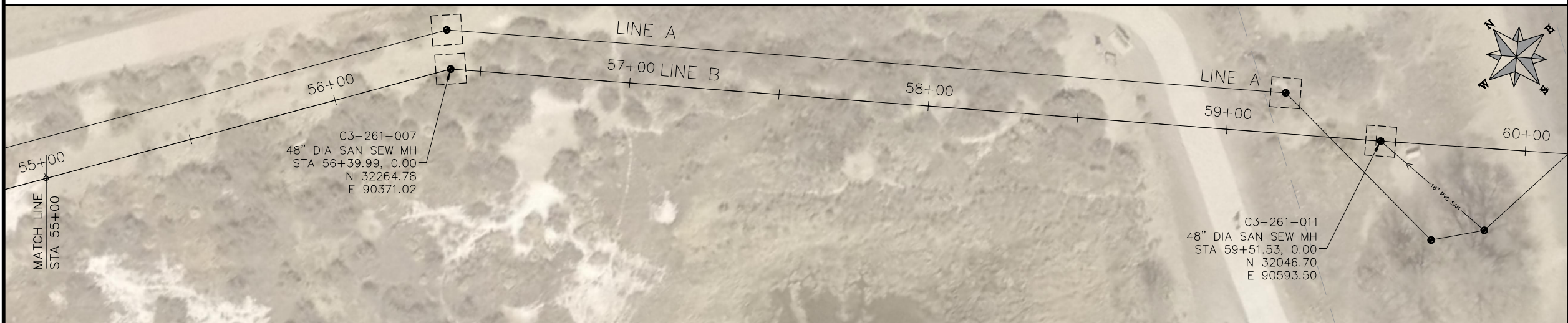
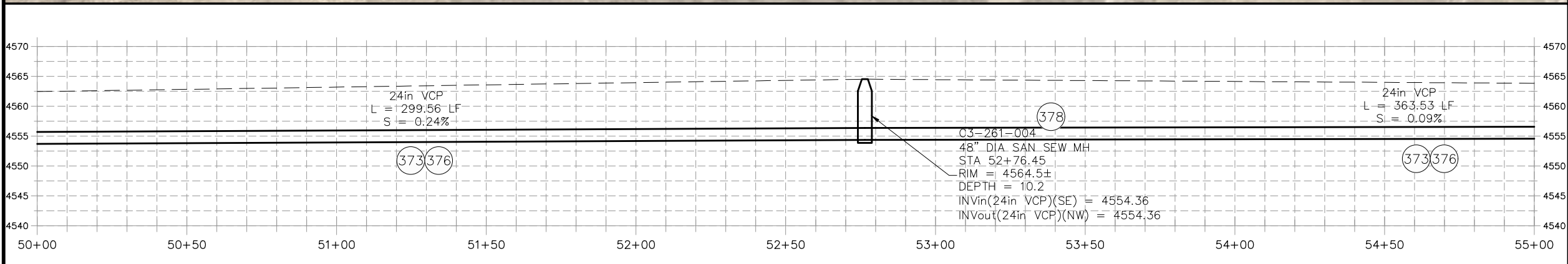
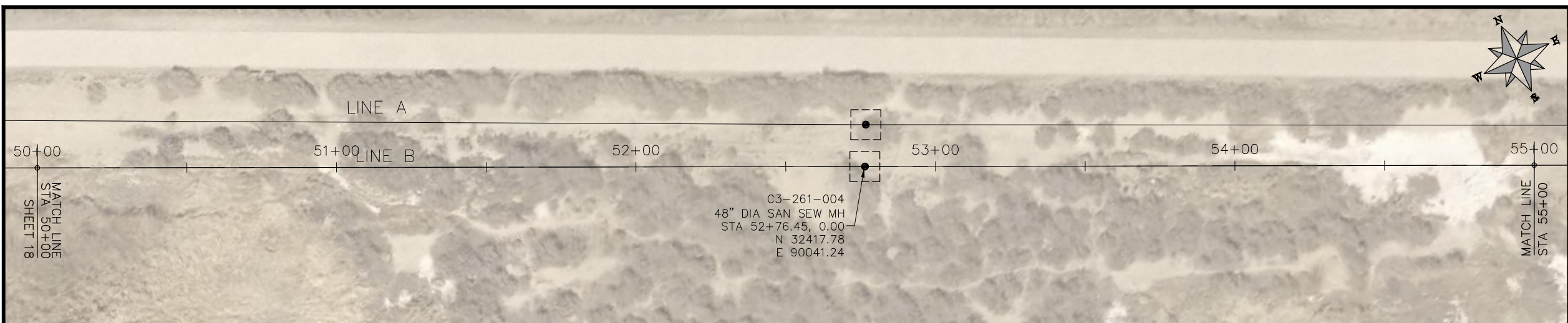


PUBLIC WORKS
ENGINEERING DIVISION

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

CONSTRUCTION NOTES

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SCALES: PLAN & PROFILE

HORIZONTAL: 1" = 40'

VERTICAL: 1" = 20'

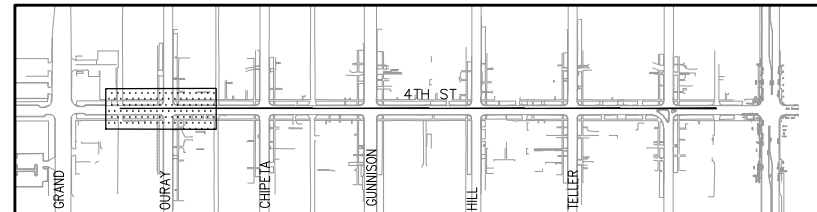
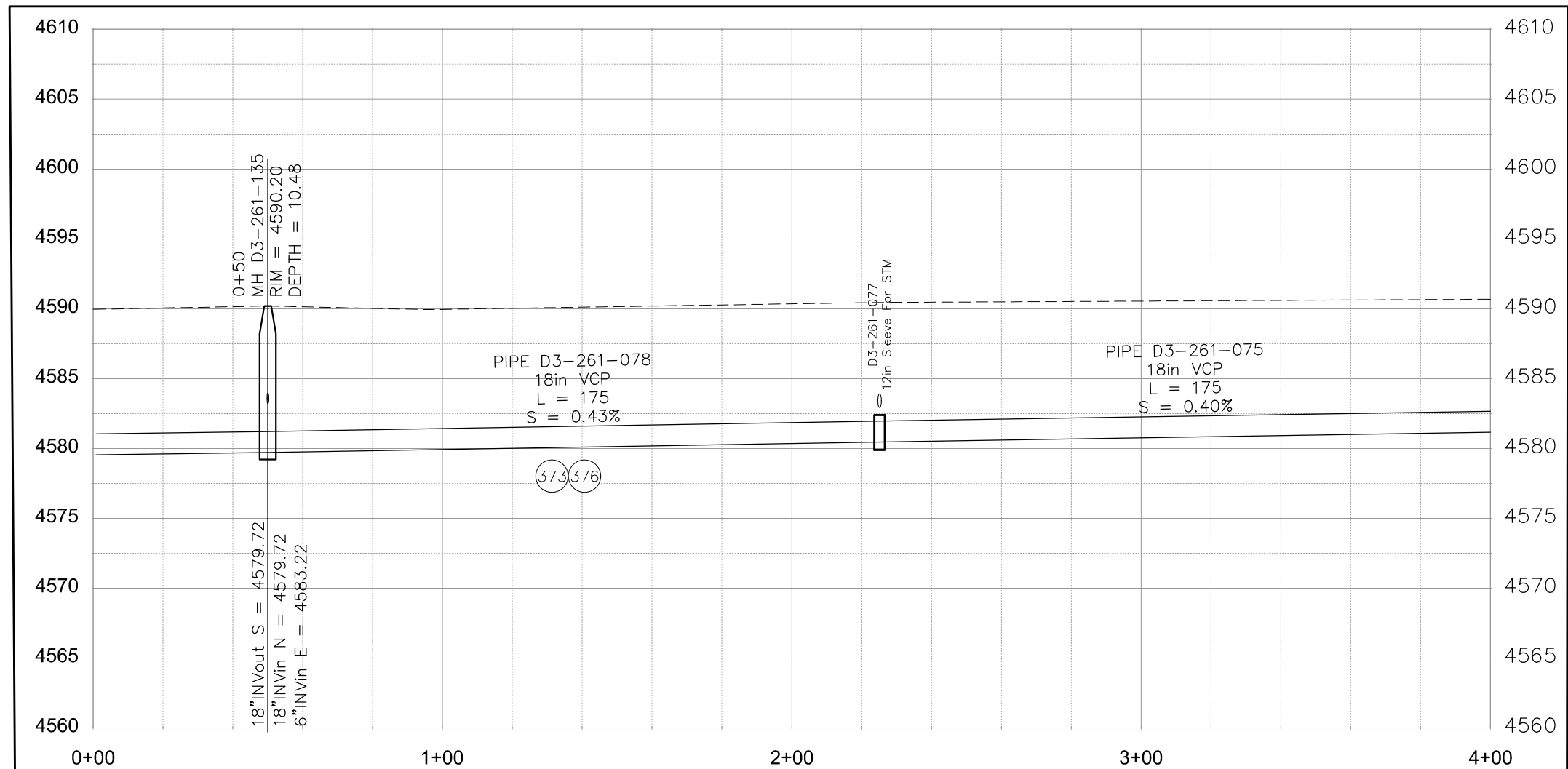
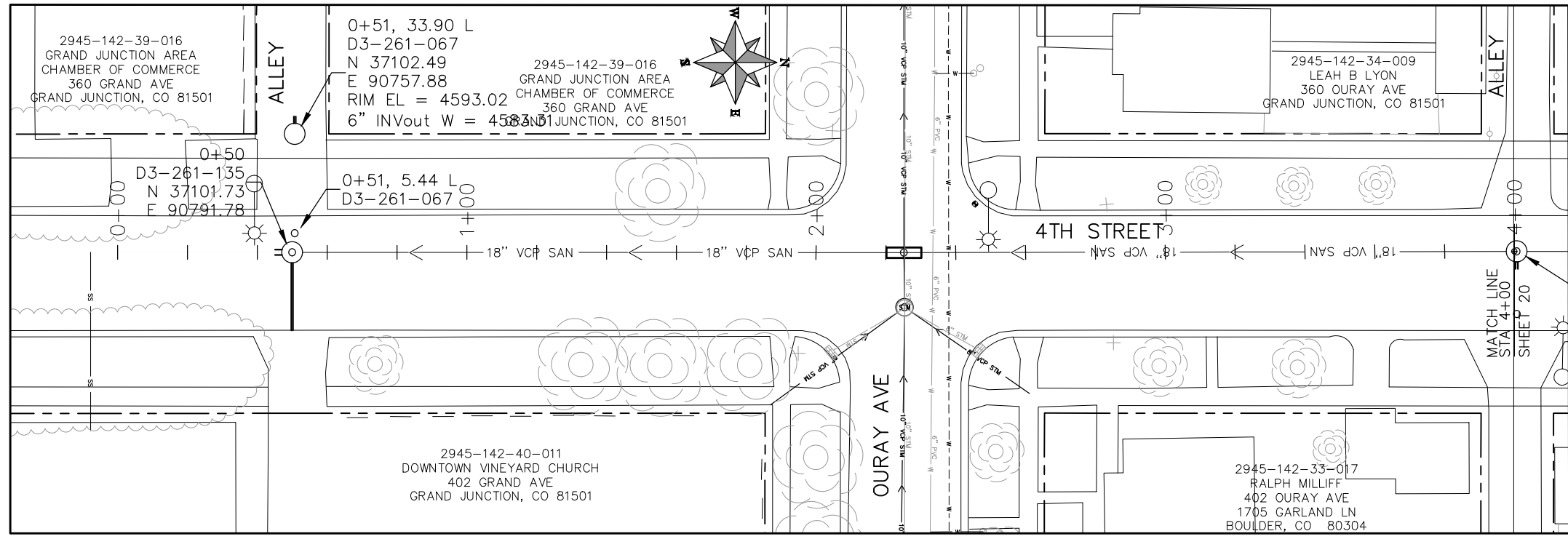


PUBLIC WORKS
ENGINEERING DIVISION

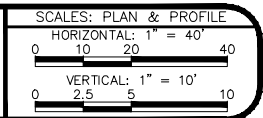
2019 SEWER INTERCEPTOR REHABILITATIONS
LINE B PLAN AND PROFILE
STA 50+00 TO STA 60+00

CONSTRUCTION NOTES

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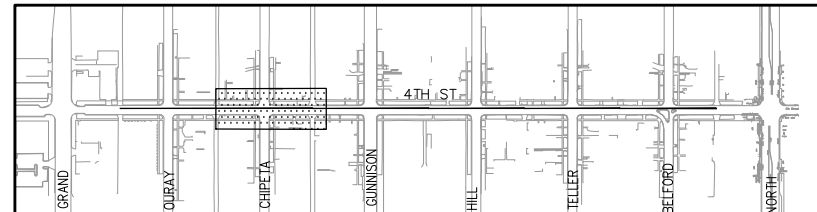
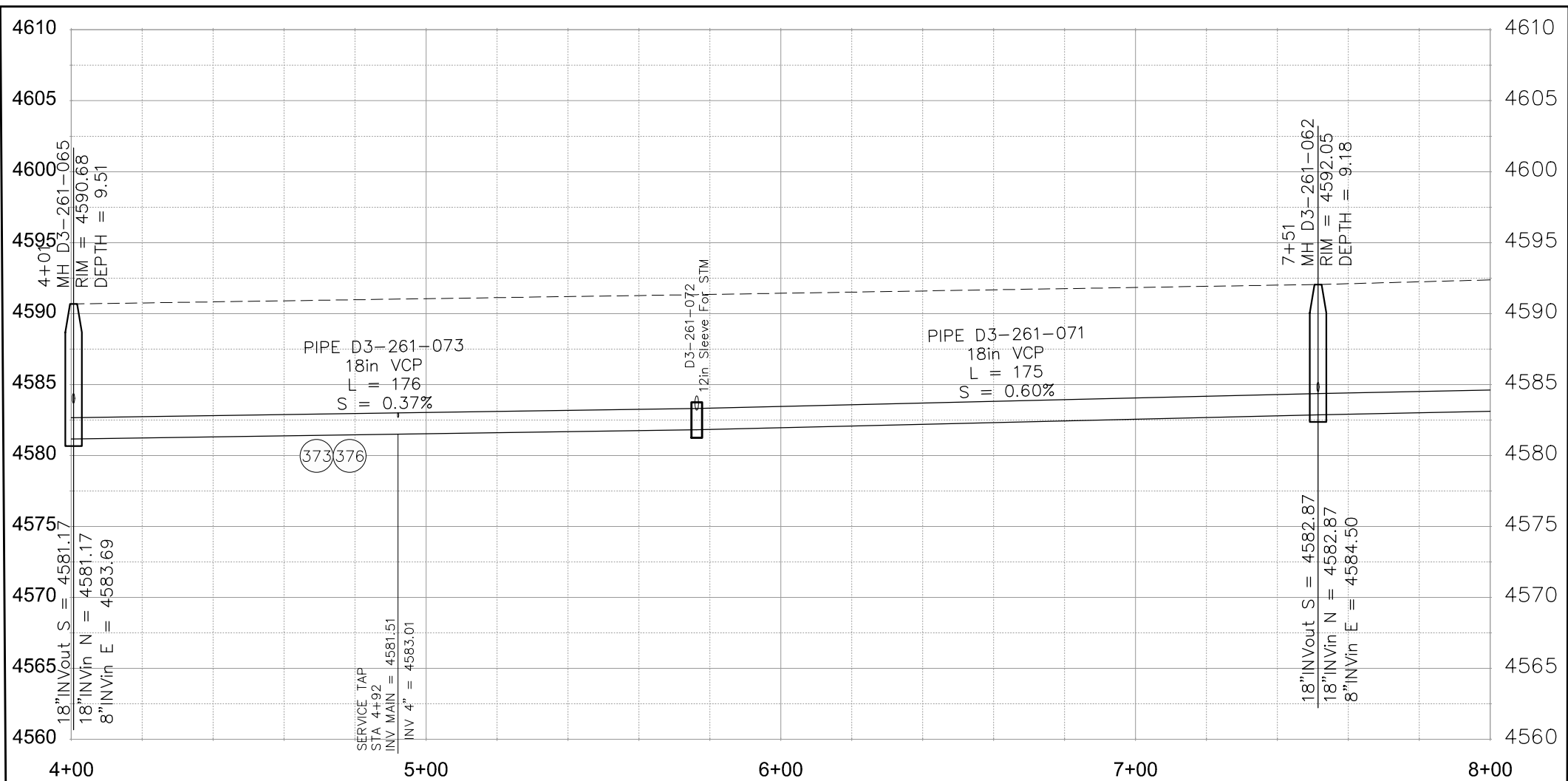
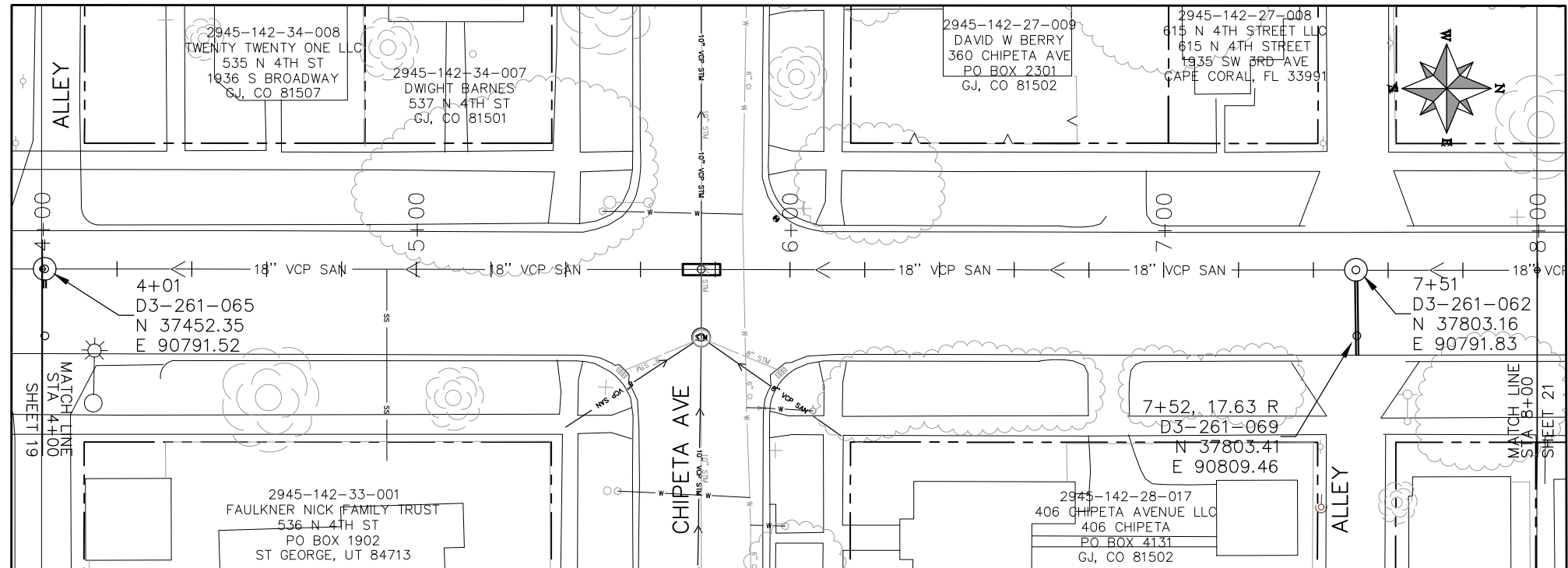
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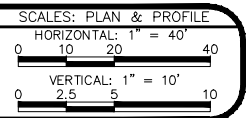
2019 SEWER INTERCEPTOR REHABILITATIONS
4TH STREET CIPP
STA 0+00 TO STA 4+00

- (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

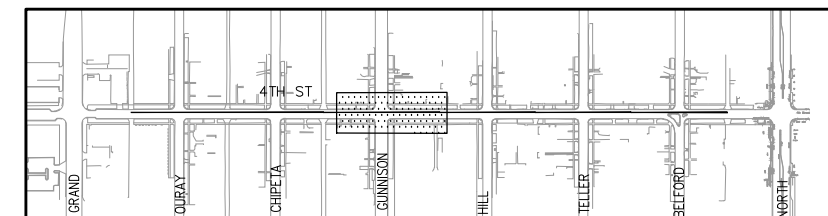
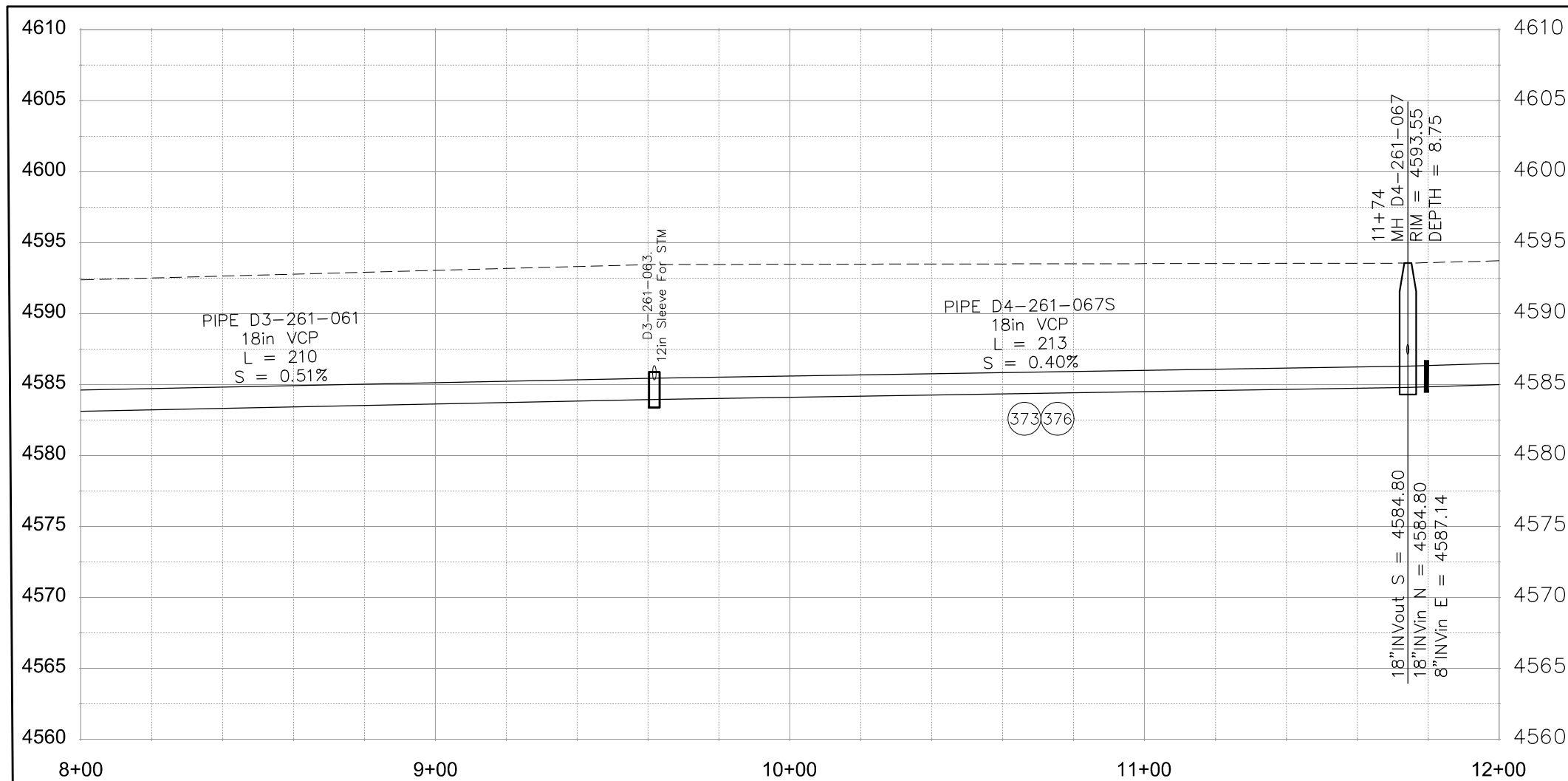
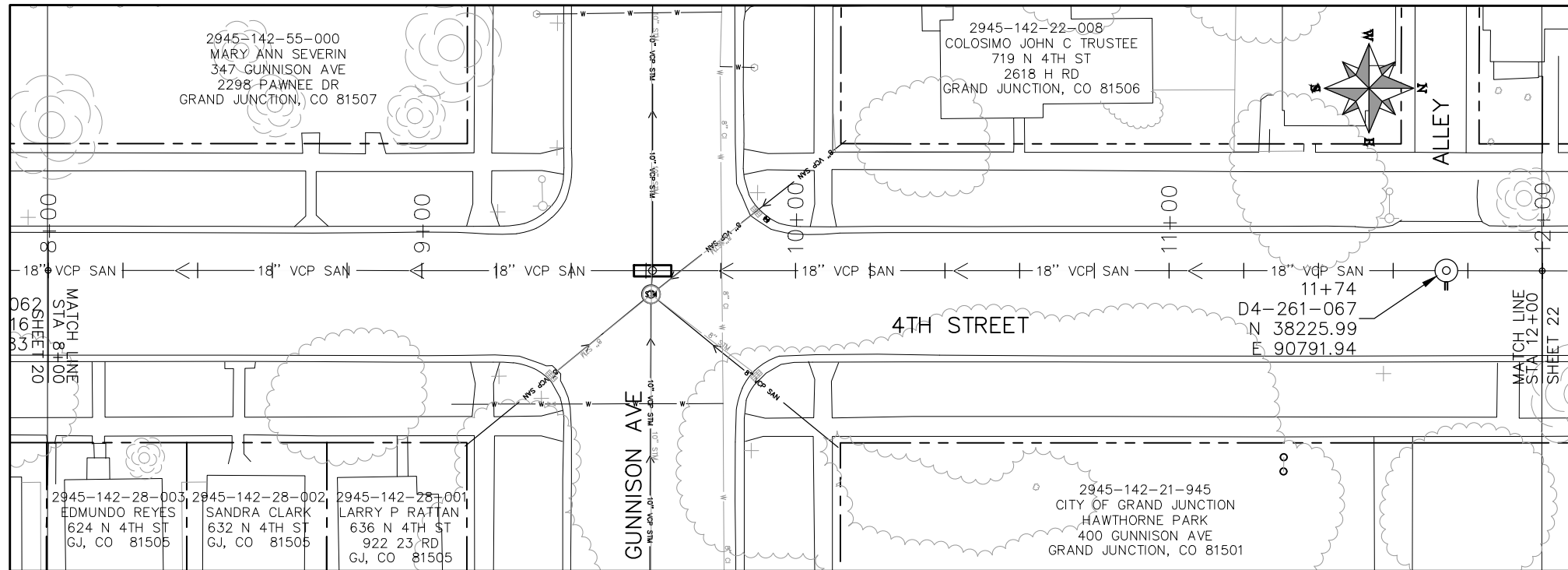
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REVISION			DESIGNED BY	JKT	DATE	2018
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ENGINEERING DIVISION

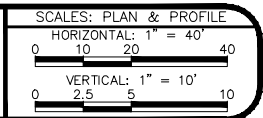
2019 SEWER INTERCEPTOR REHABILITATIONS
4TH STREET CIPP
STA 4+00 TO STA 8+00

- (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

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

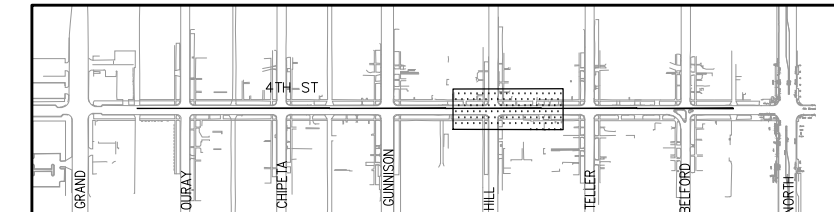
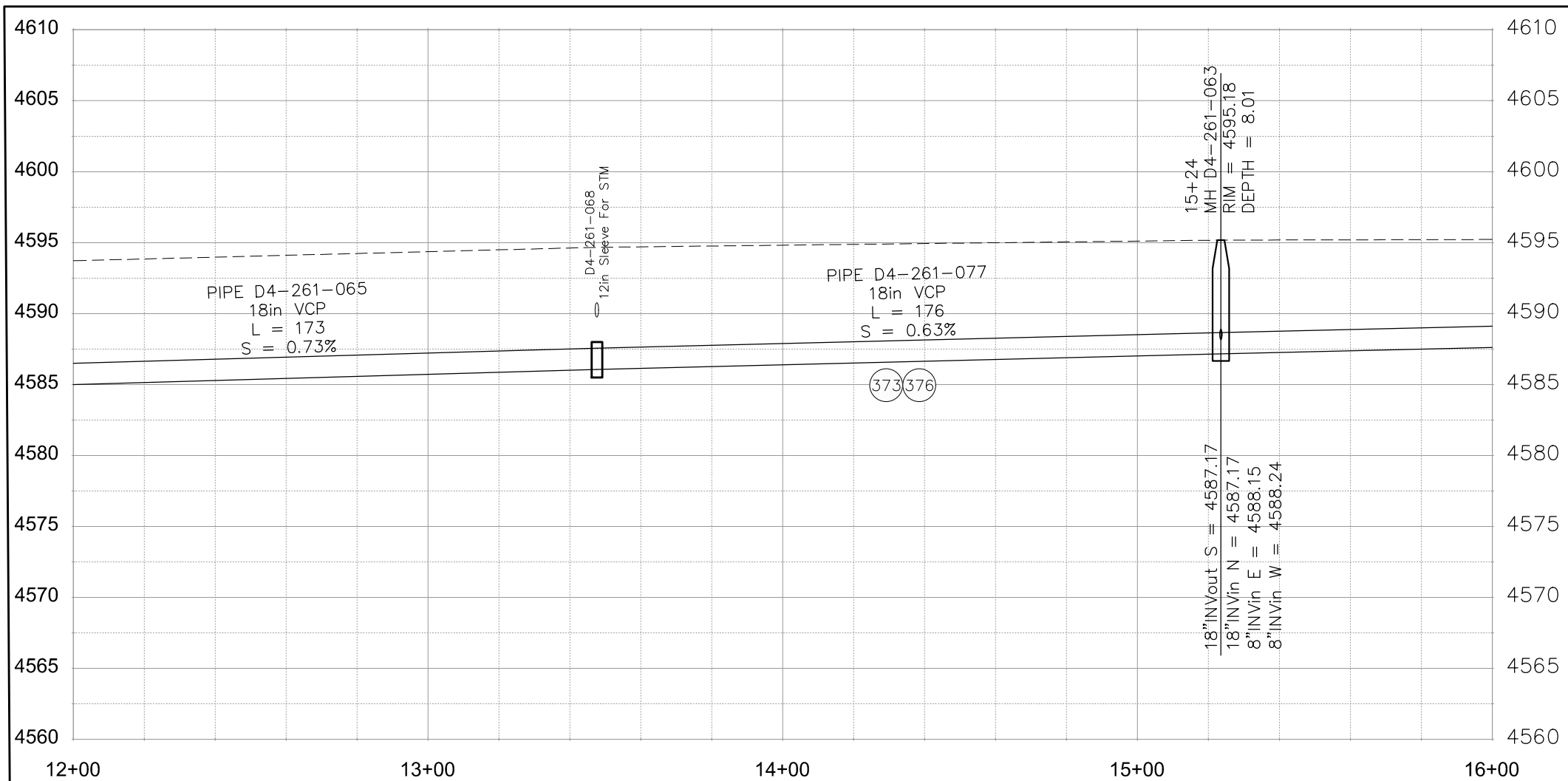
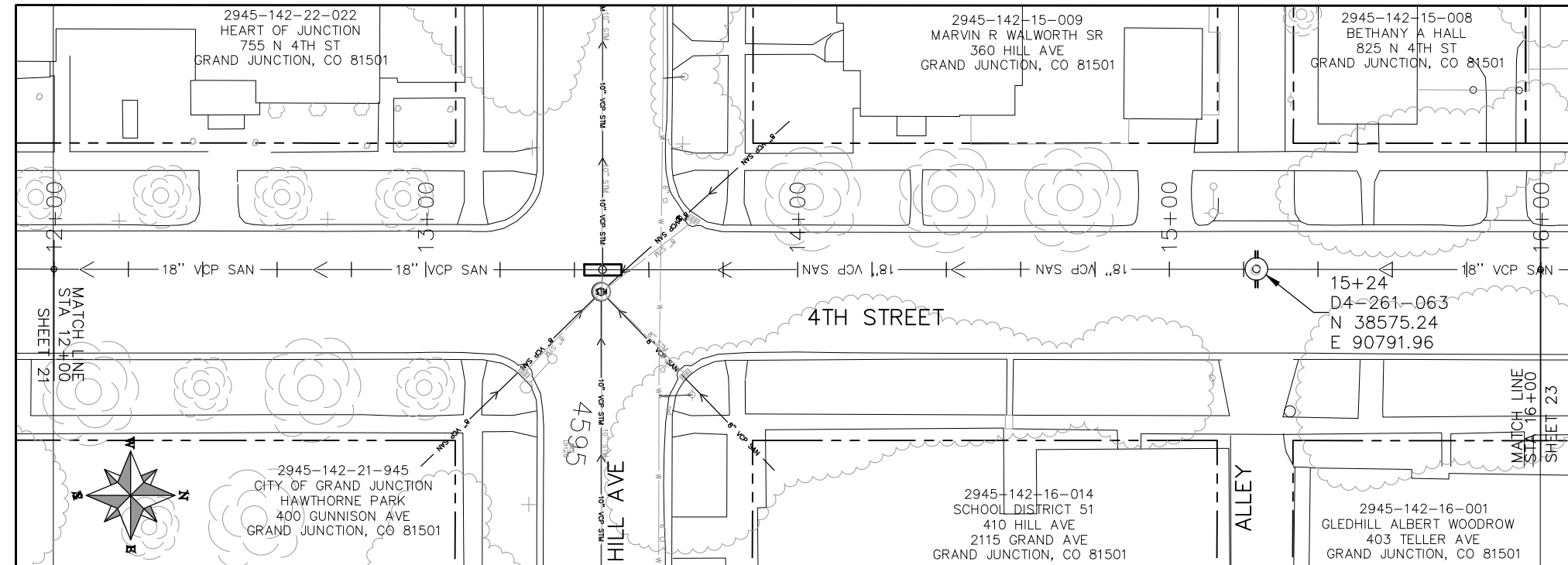


PUBLIC WORKS
ENGINEERING DIVISION

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

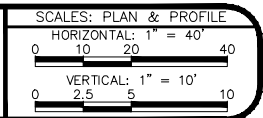
CONSTRUCTION NOTES

- (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
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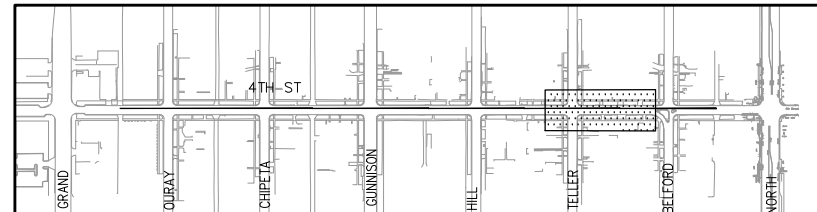
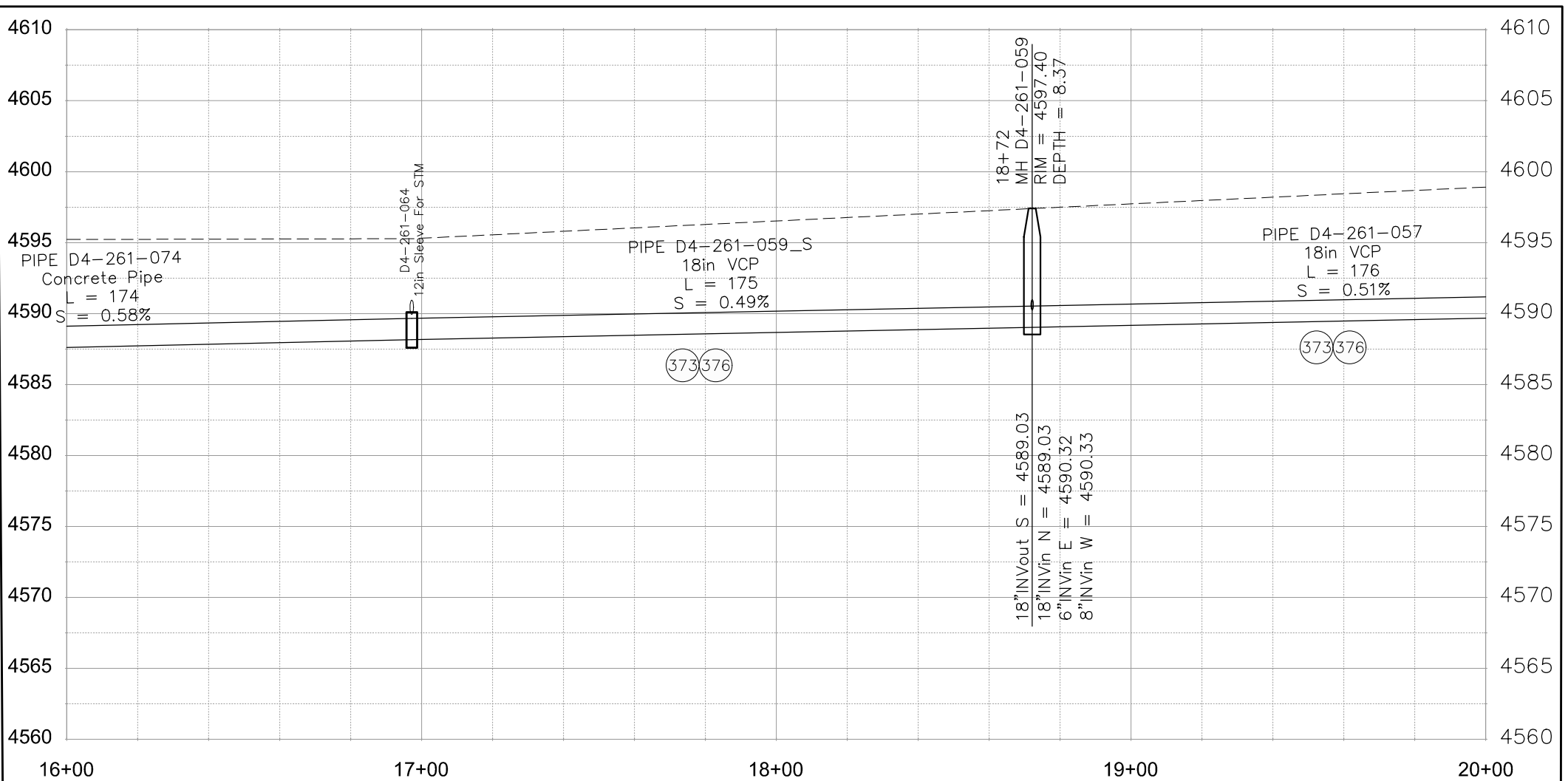
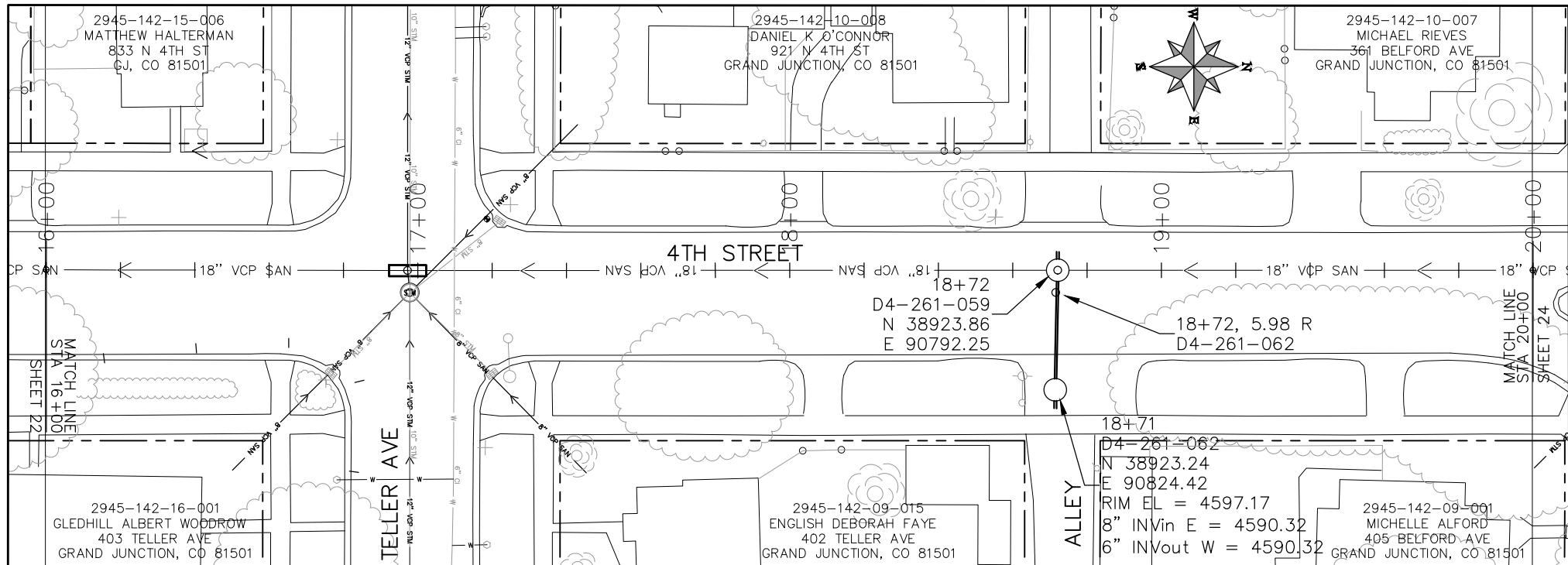


PUBLIC WORKS
ENGINEERING DIVISION

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

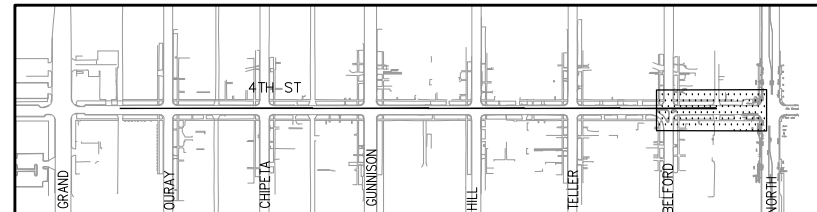
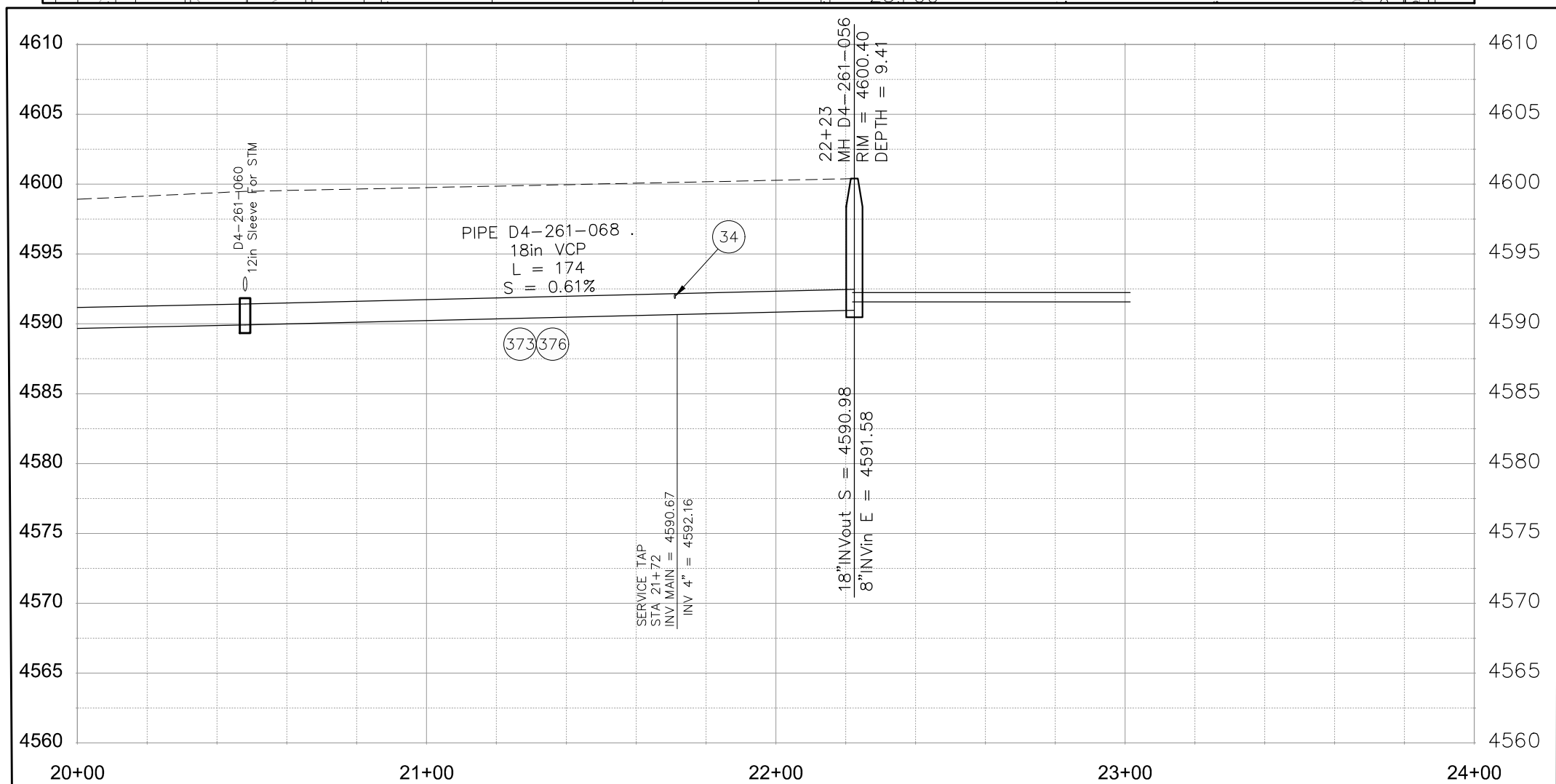
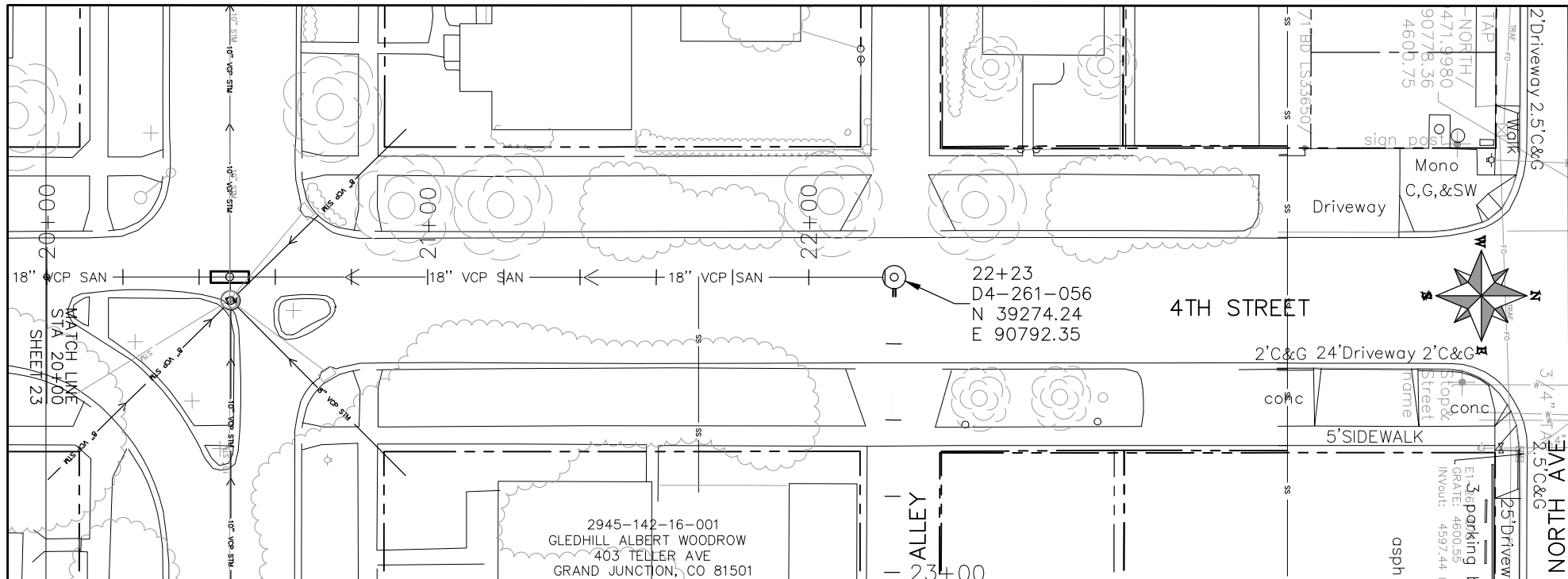


PUBLIC WORKS
ENGINEERING DIVISION

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

SCALES: PLAN & PROFILE

HORIZONTAL: 1" = 40'

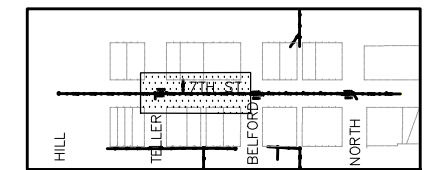
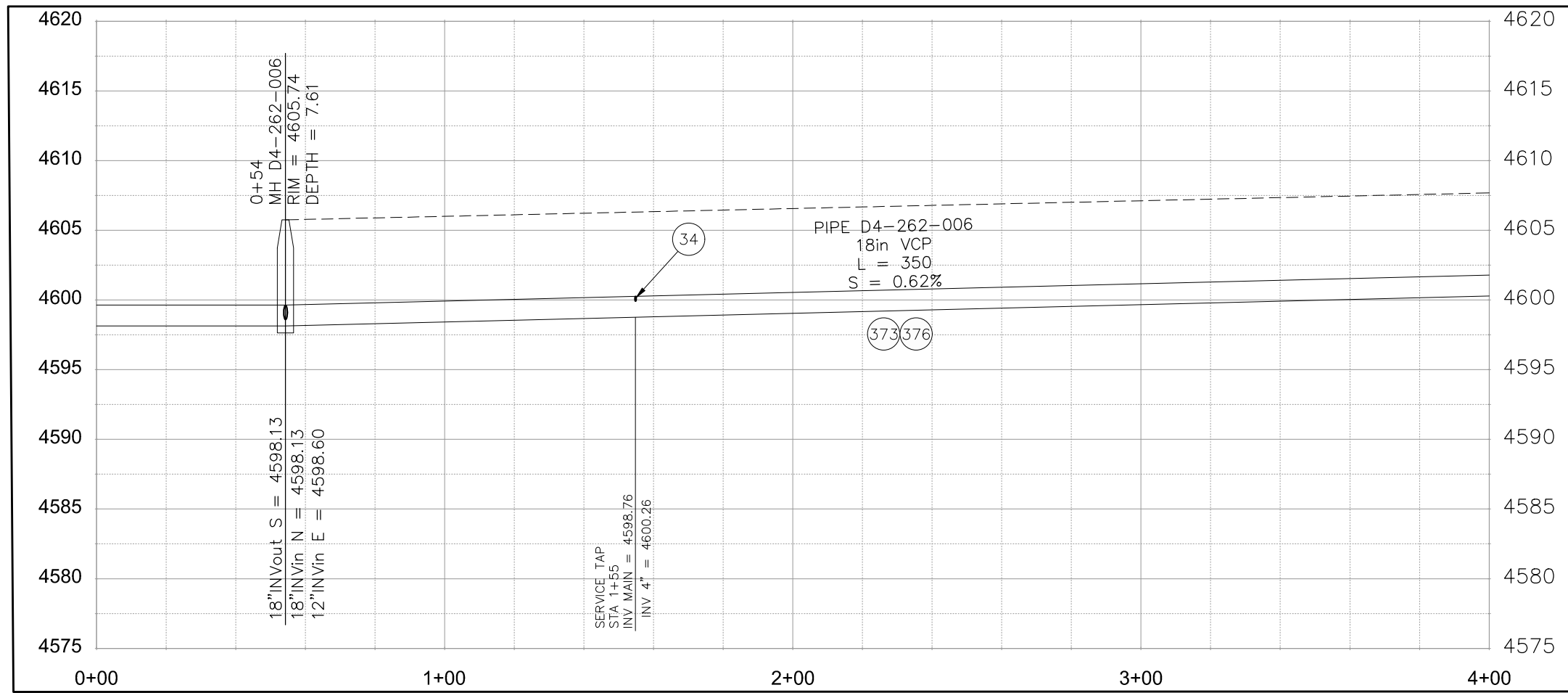
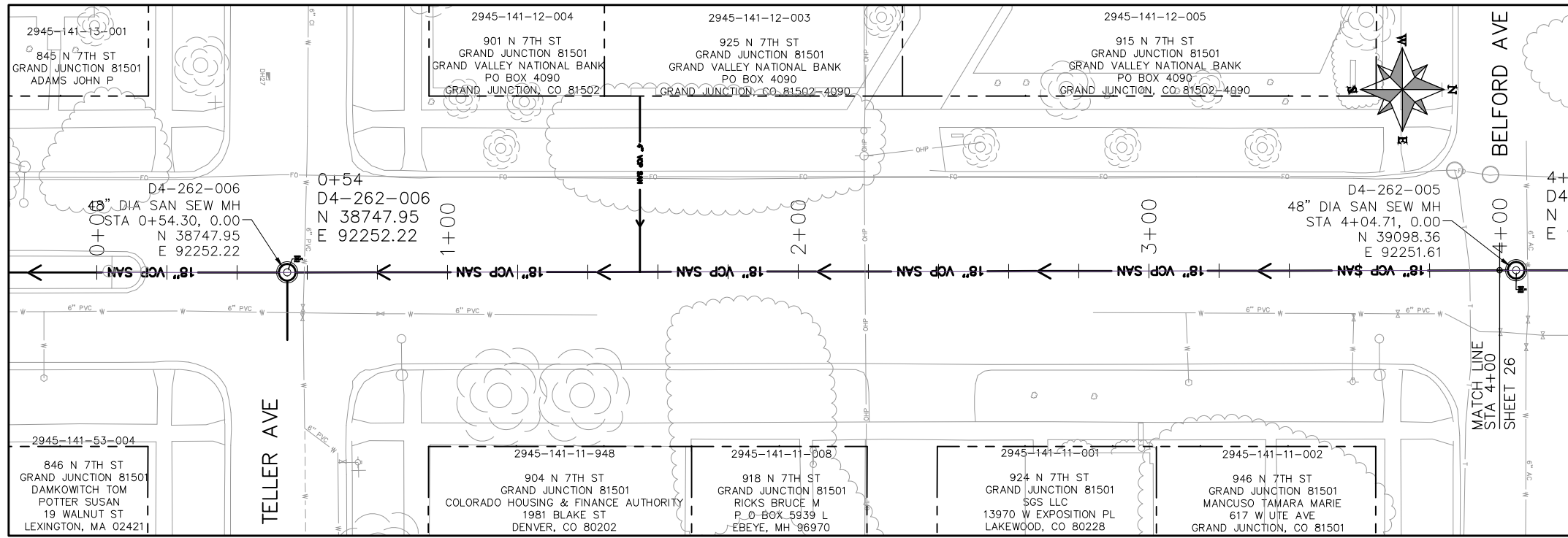
VERTICAL: 1" = 10'



PUBLIC WORKS
ENGINEERING DIVISION

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

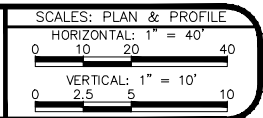
- (34) REMOVE CIPP COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP) 252 MANHOLE SHALL BE REMOVED. NEW PIPE INSTALLED AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. 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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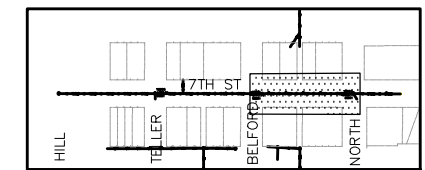
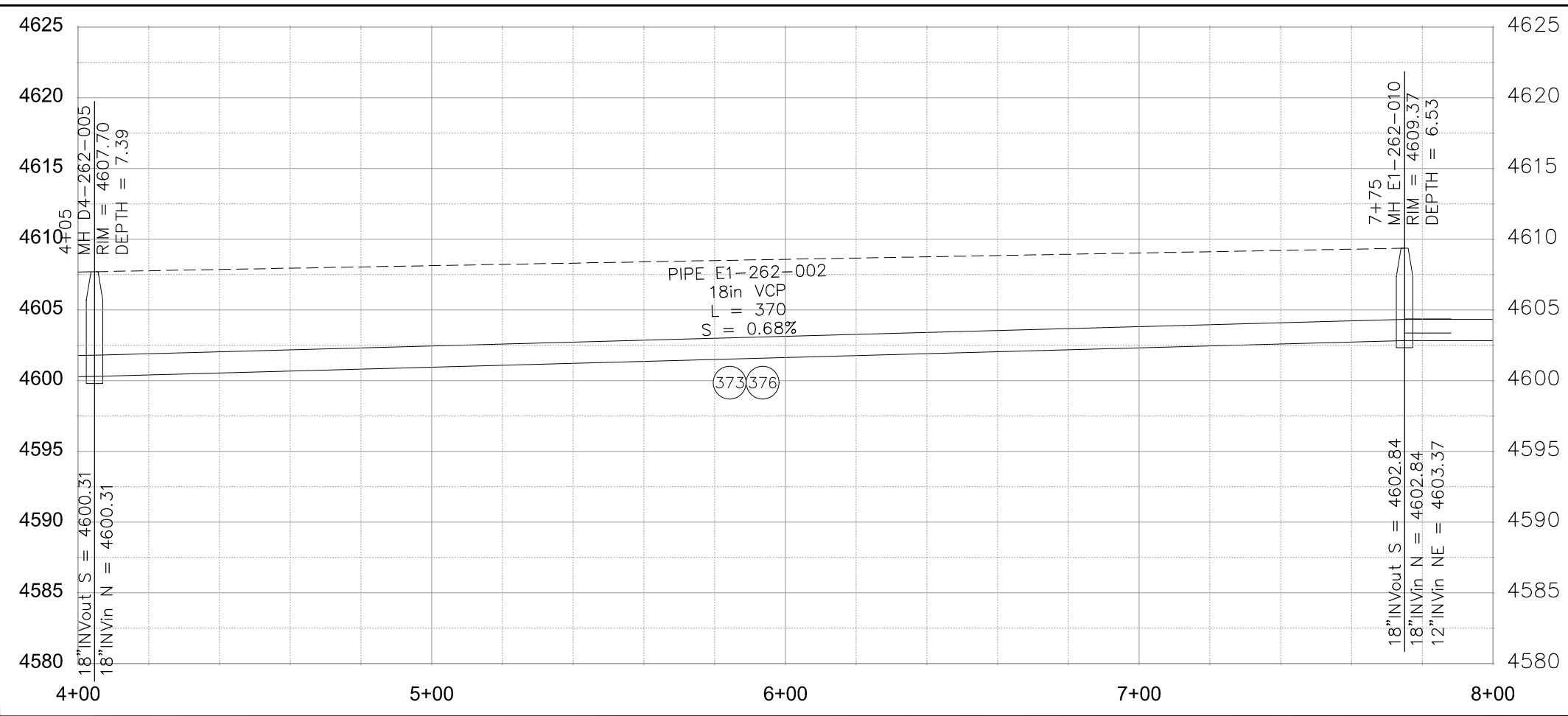
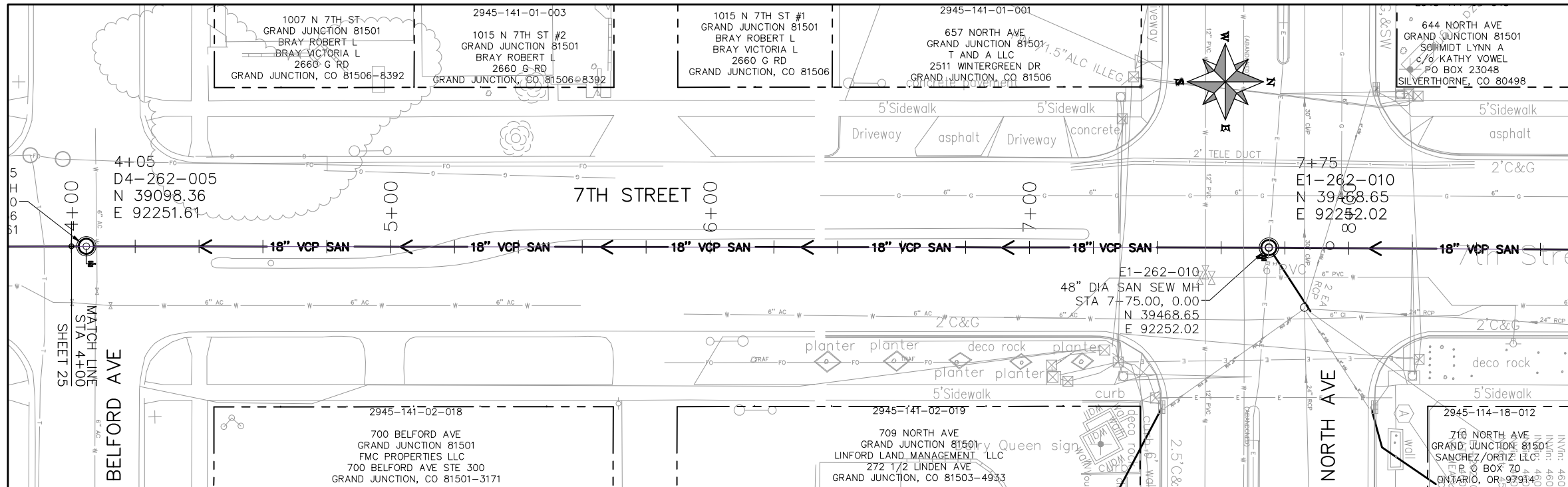
REVISION	DESCRIPTION	DATE	DRAWN BY	HMC	DATE	2018
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REVISION			APPROVED BY	JKT	DATE	2018



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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REVISION			HMC	2018
REVISION			JKT	2018
REVISION			JKT	2018
REVISION			JKT	2018

SCALES: PLAN & PROFILE

HORIZONTAL: 1" = 40'

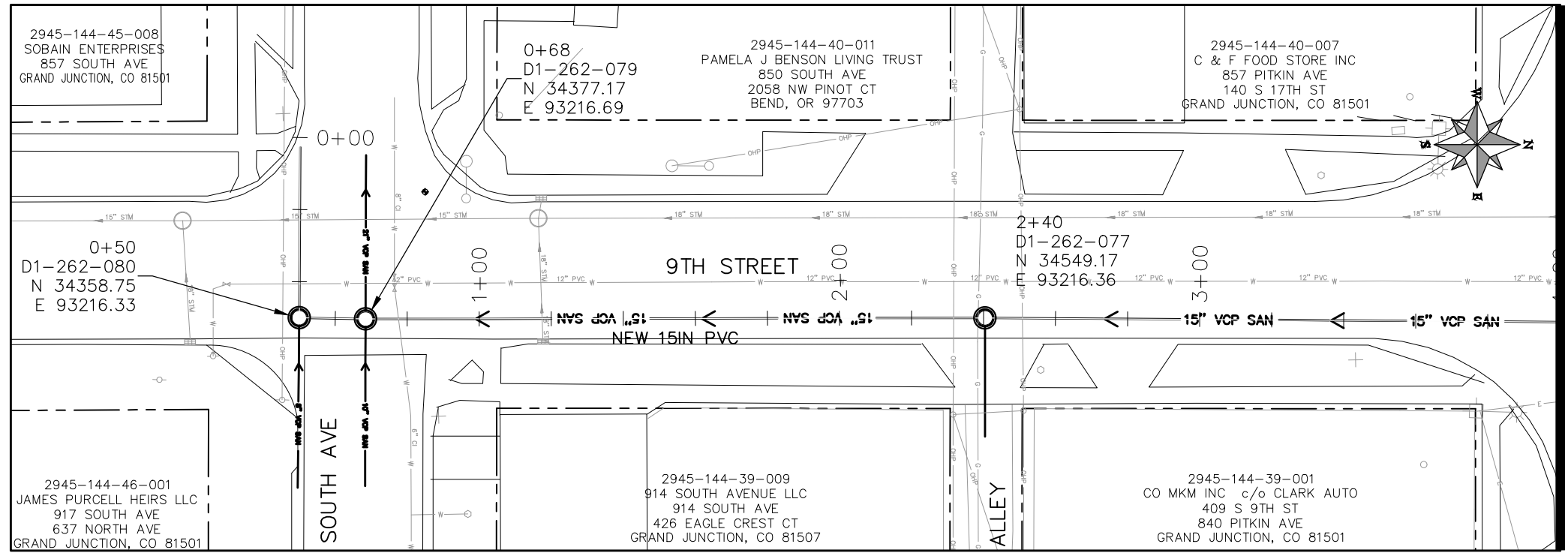
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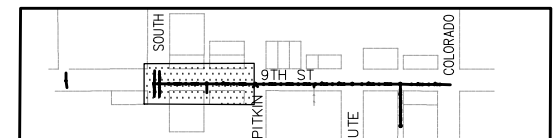
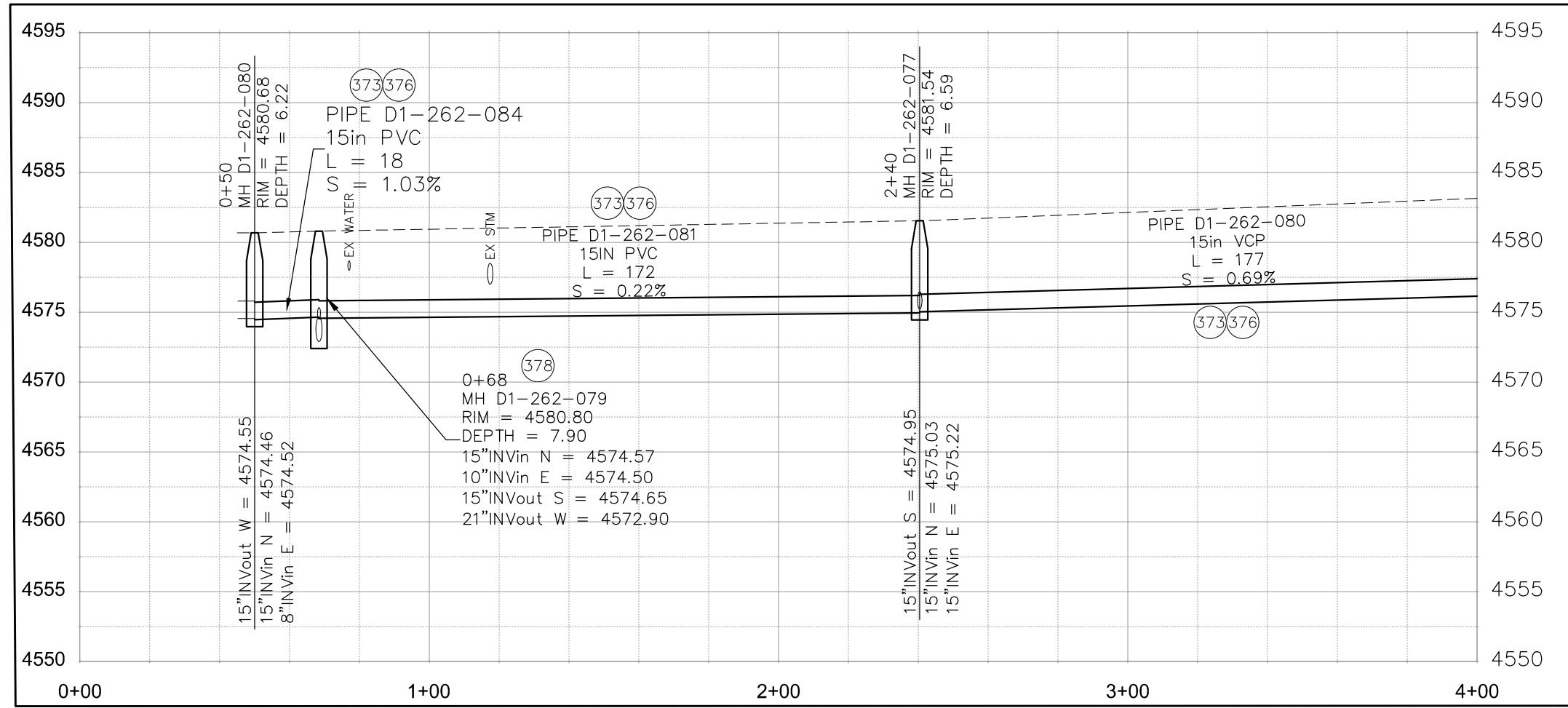
PUBLIC WORKS
 ENGINEERING DIVISION

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)



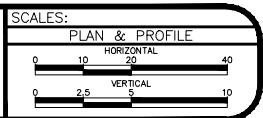
MATCH LINE STA 4+00



KEYMAP

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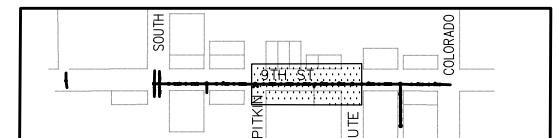
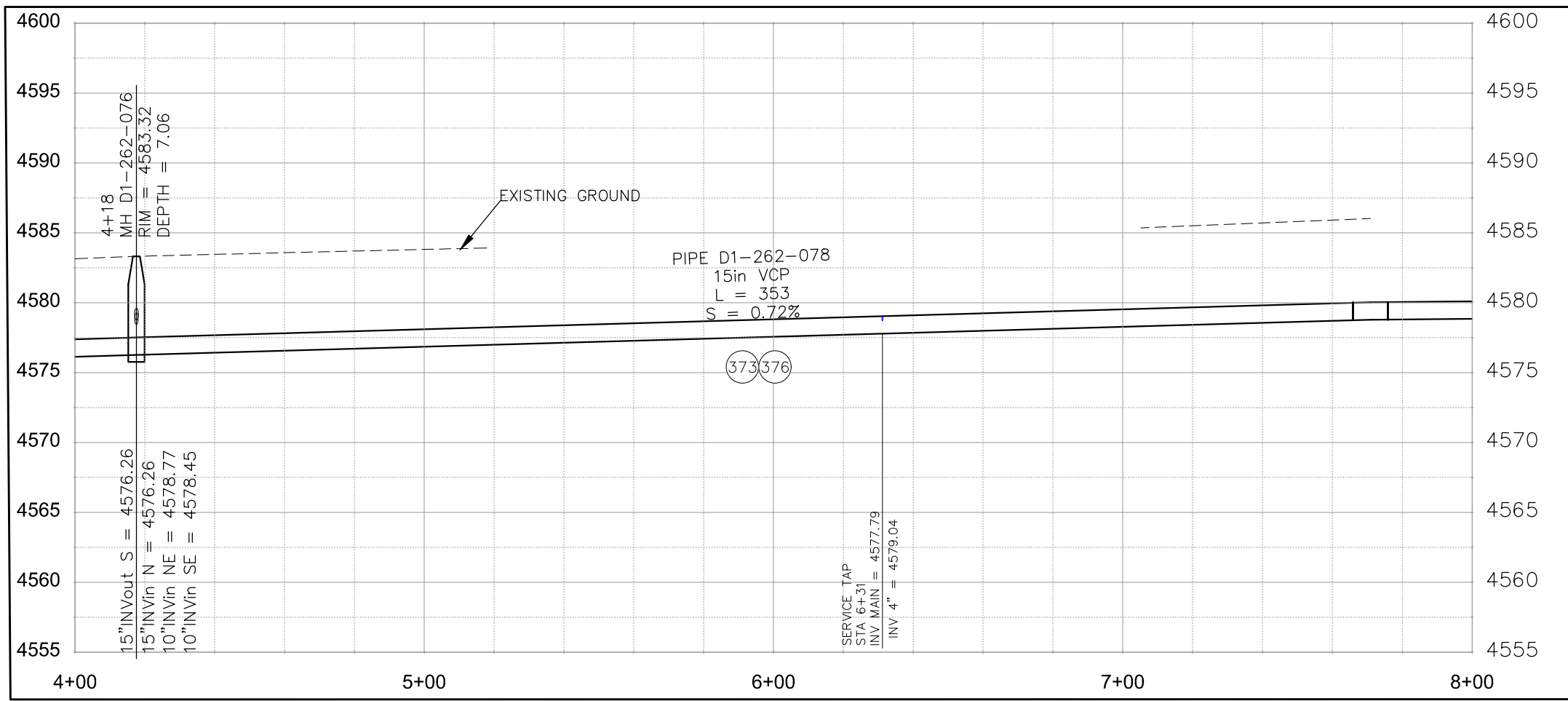
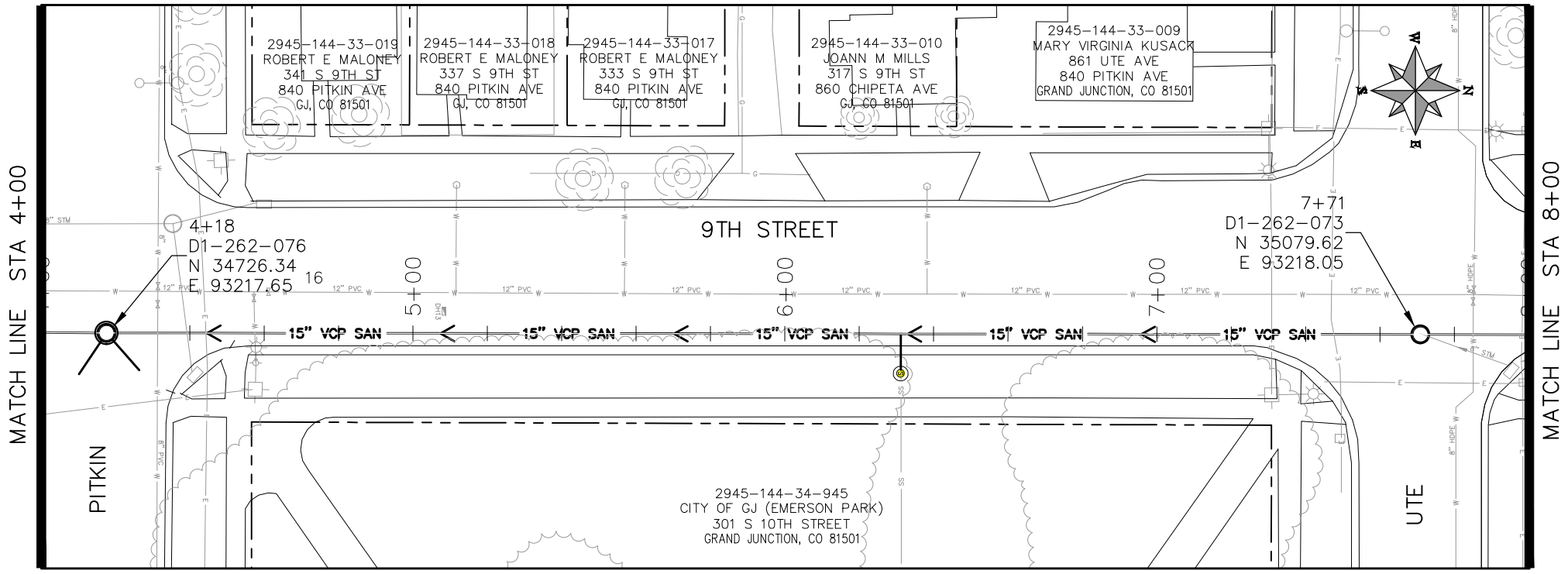
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REVISION			DESIGNED BY	JUV	DATE	2016
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REVISION			APPROVED BY	HMC/JCS	DATE	2016



PUBLIC WORKS
ENGINEERING DIVISION

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

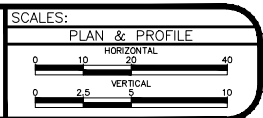
- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL 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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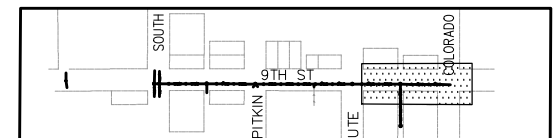
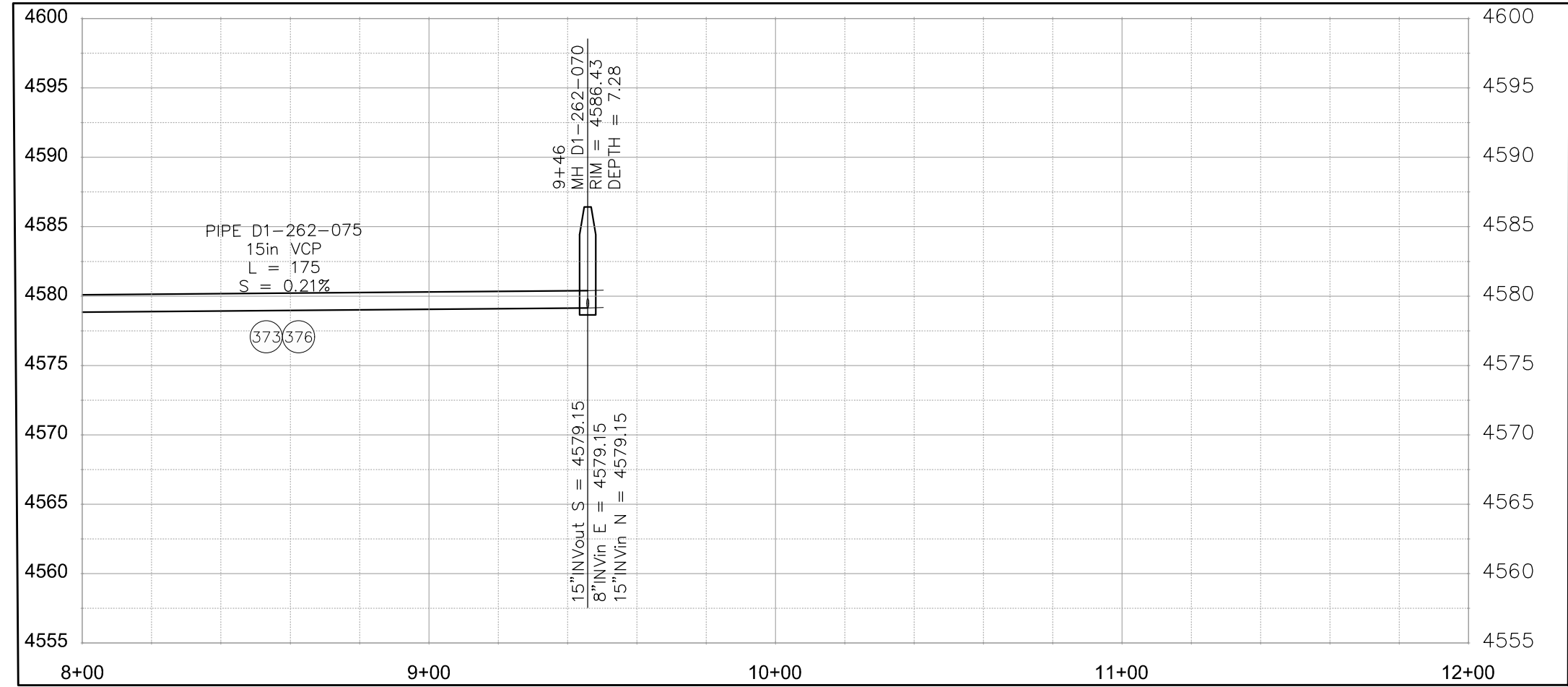
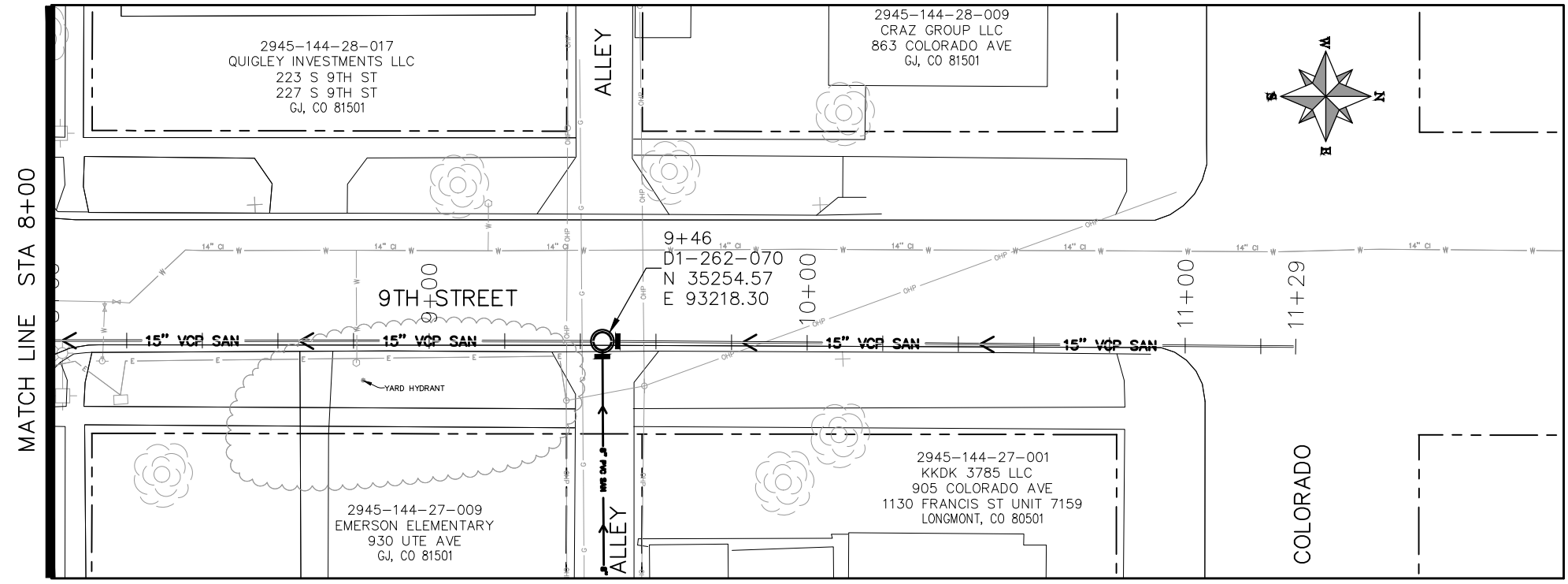
REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2016
REVISION			DESIGNED BY	JJV	DATE	2016
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PUBLIC WORKS
ENGINEERING DIVISION

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

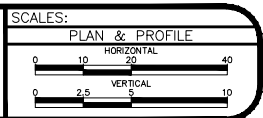
- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL 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

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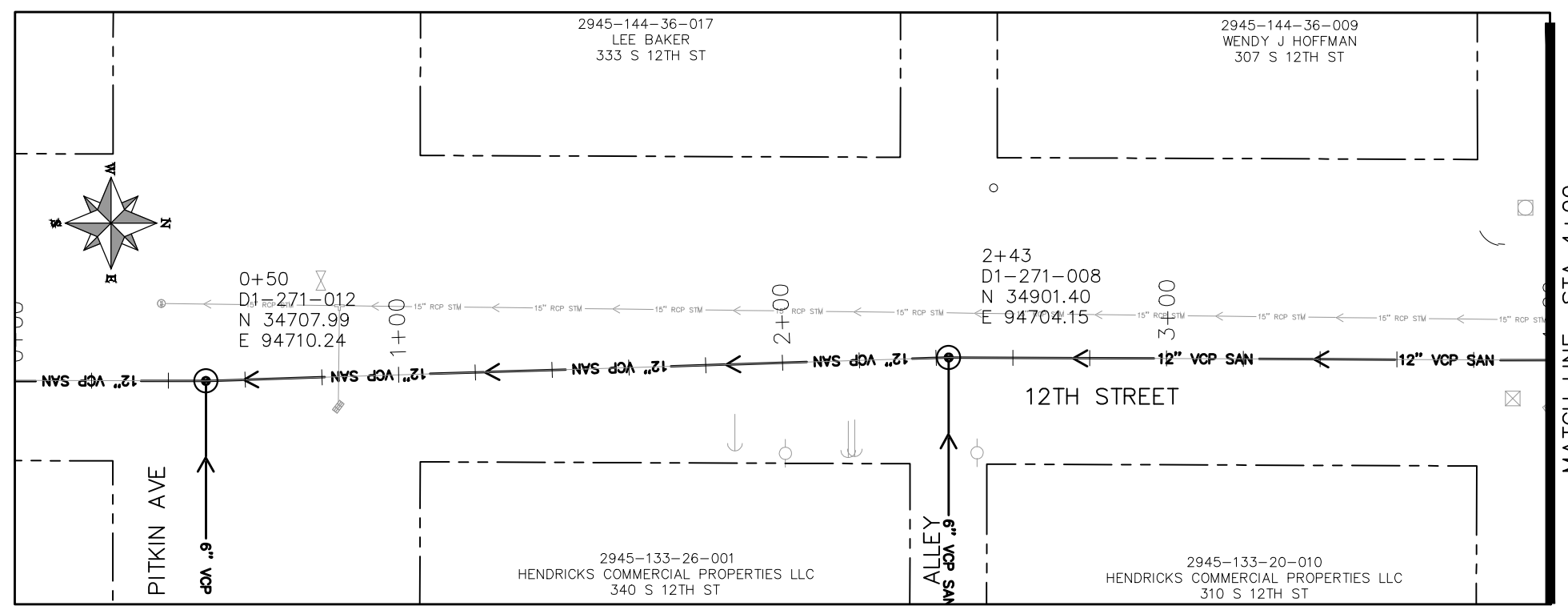


PUBLIC WORKS ENGINEERING DIVISION

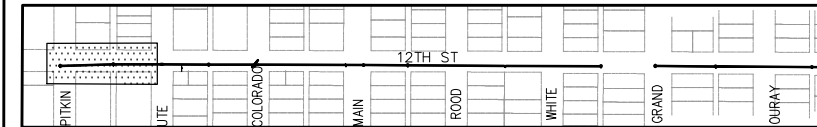
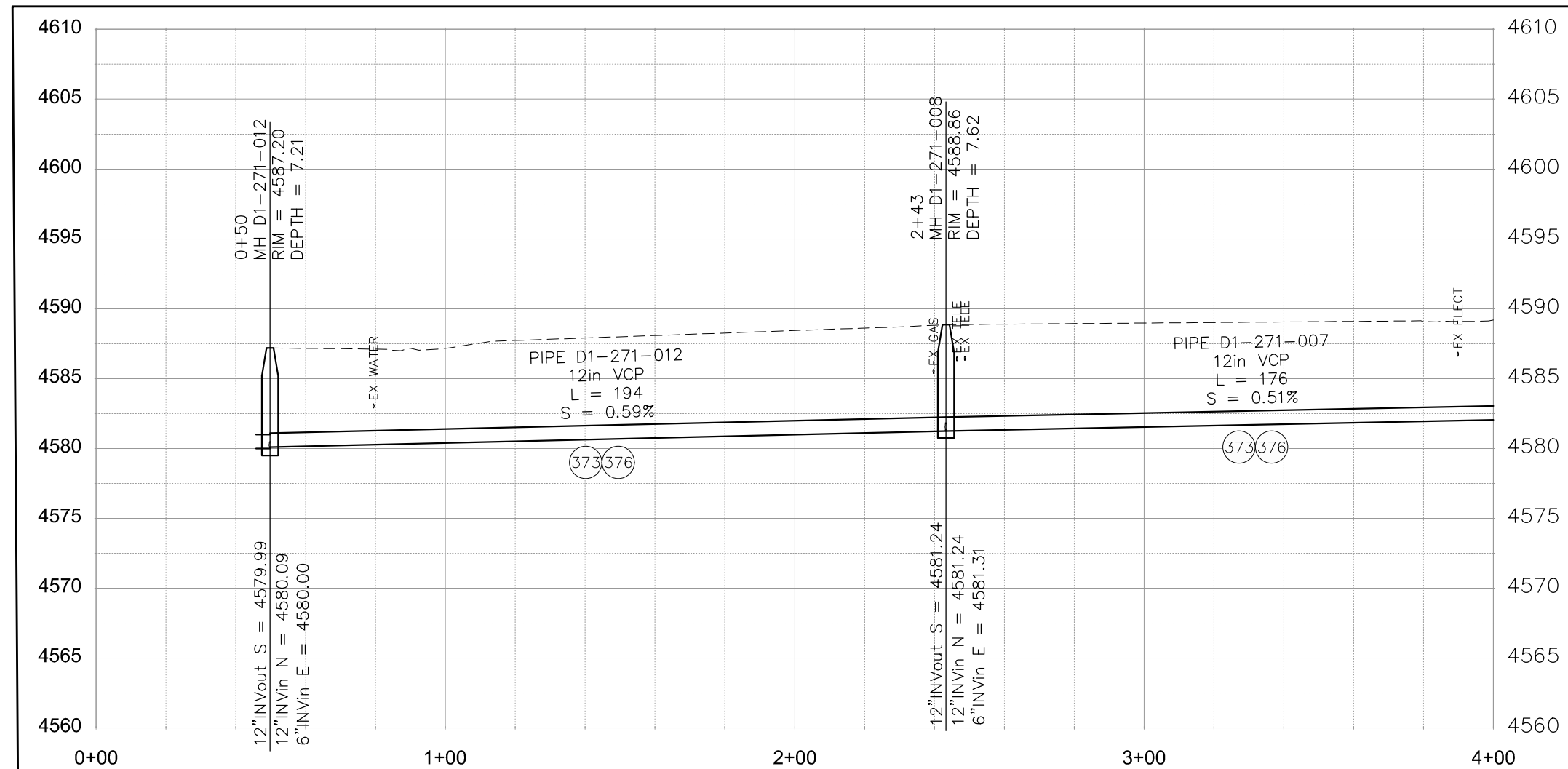
2019 SEWER INTERCEPTOR REHABILITATIONS
9TH STREET CIPP
STA 8+00 TO STA 12+00

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)



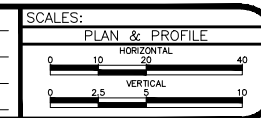
MATCH LINE STA 4+00



KEYMAP

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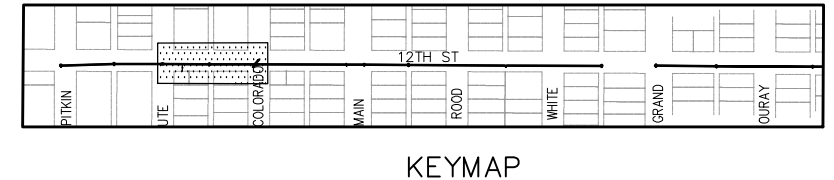
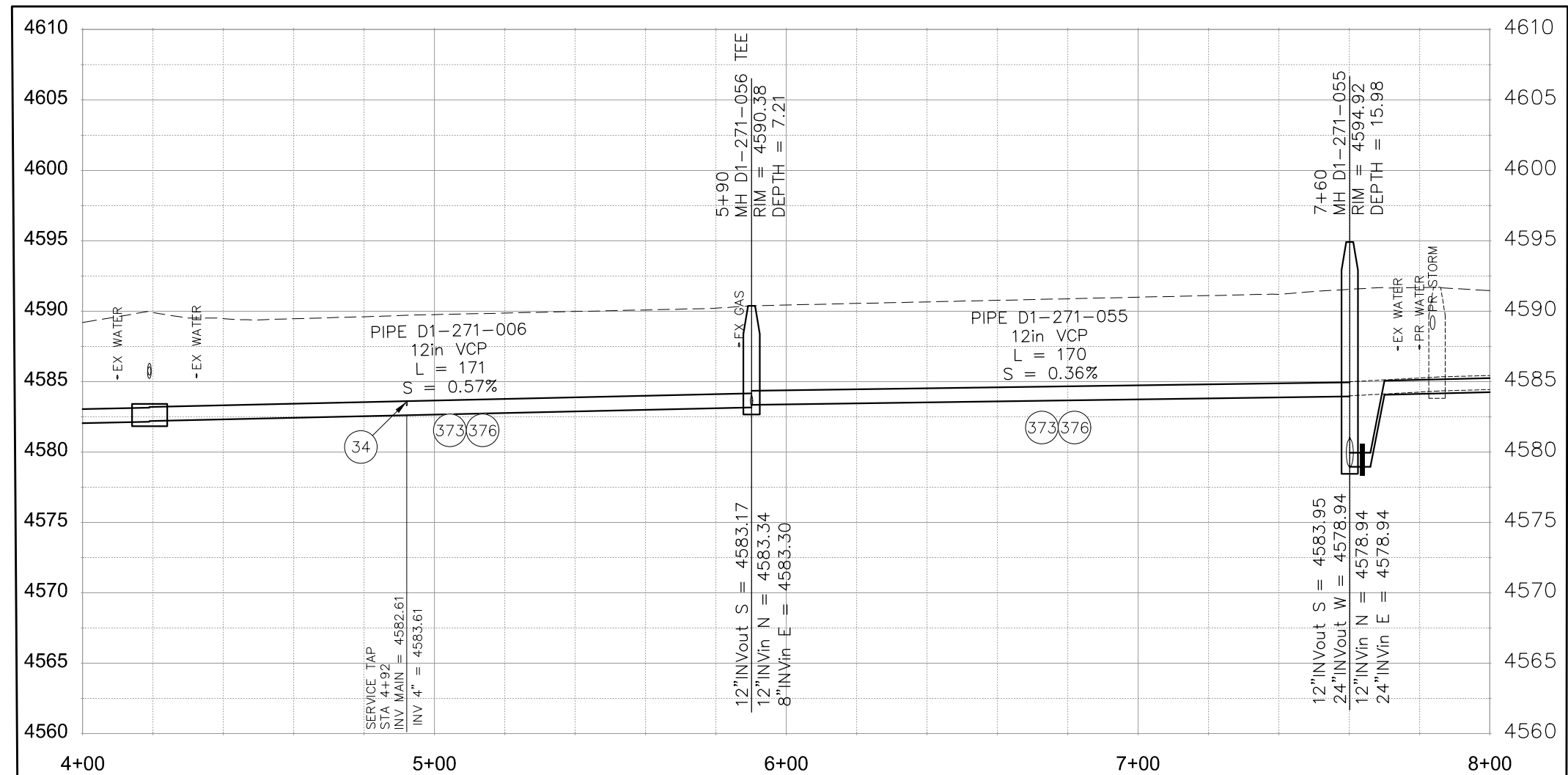
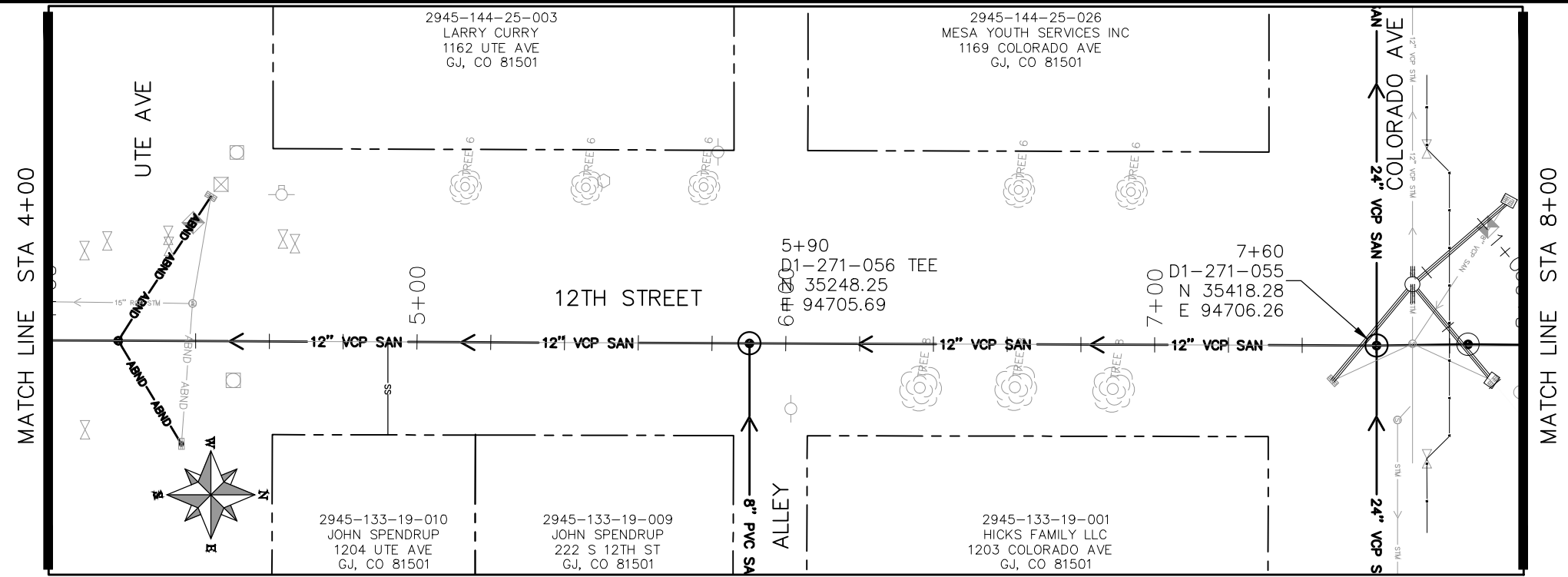
REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2016
REVISION			DESIGNED BY	JJV	DATE	2016
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PUBLIC WORKS
ENGINEERING DIVISION

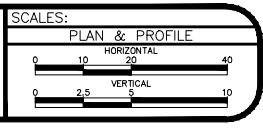
2019 SEWER INTERCEPTOR REHABILITATIONS
12TH STREET CIPP
STA 0+00 TO STA 4+00

- 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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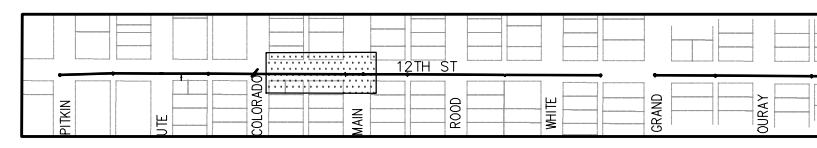
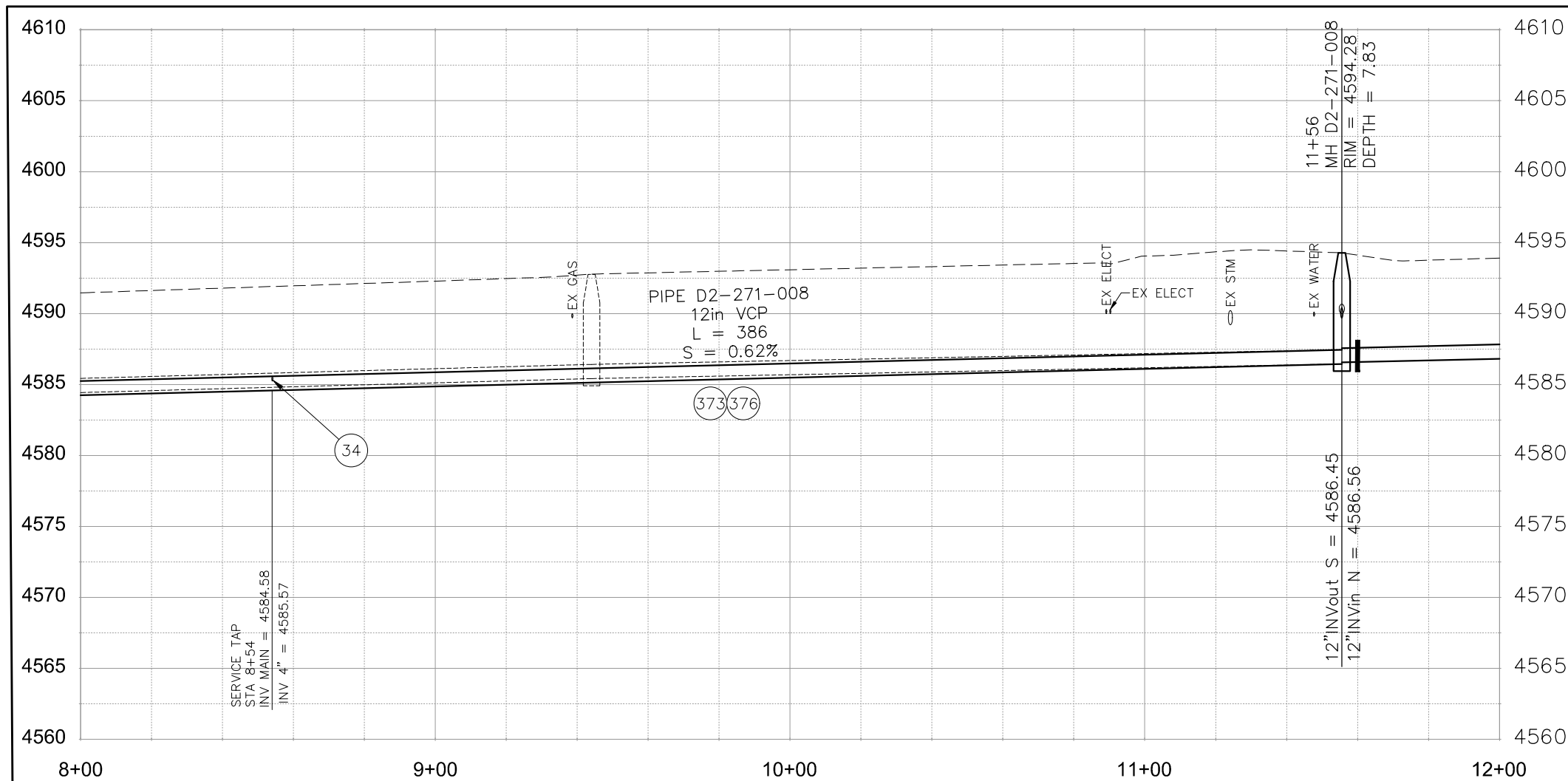
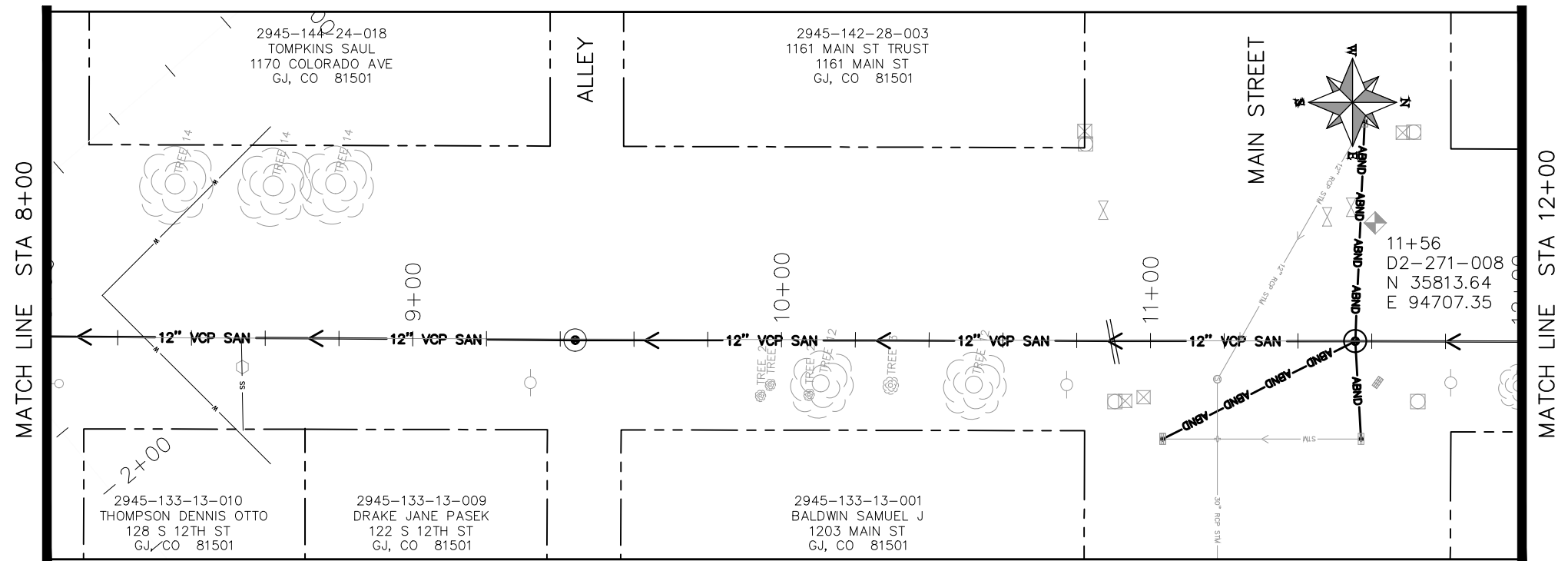


PUBLIC WORKS
ENGINEERING DIVISION

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

CONSTRUCTION NOTES

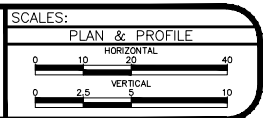
- 34 REMOVE CIPP COUPON AT SERVICE LOCATION (INCIDENTAL TO CIPP) 252 MANHOLE SHALL BE REMOVED. NEW PIPE INSTALLED AND CONNECTIONS BACK TO EXISTING PIPE COMPLETED PRIOR TO CIPP OPERATIONS FOR THIS RUN. CIPP "THROUGH" OLD MANHOLE LOCATION.
- 373 10URED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. 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)



KEYMAP

N:\Landproj\2019 Sewer Interceptor Rehabilitations\dwg\31-35_12th Street.dwg, 33, 1/24/2019 2:47:19 PM

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

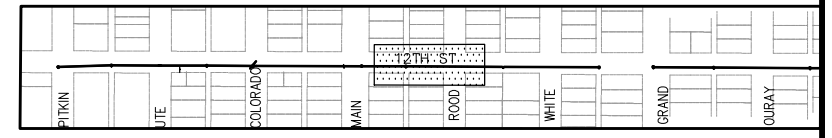
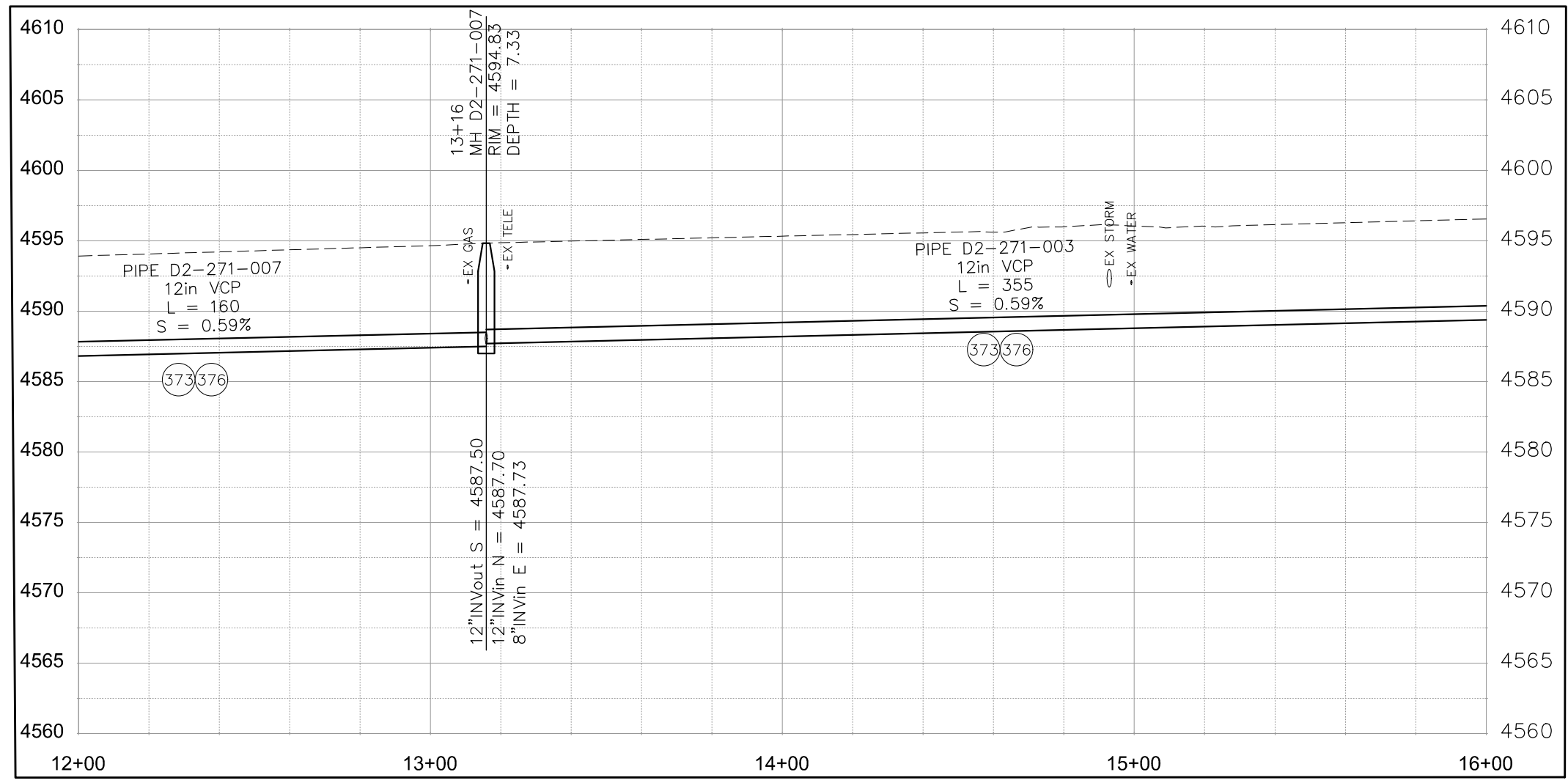
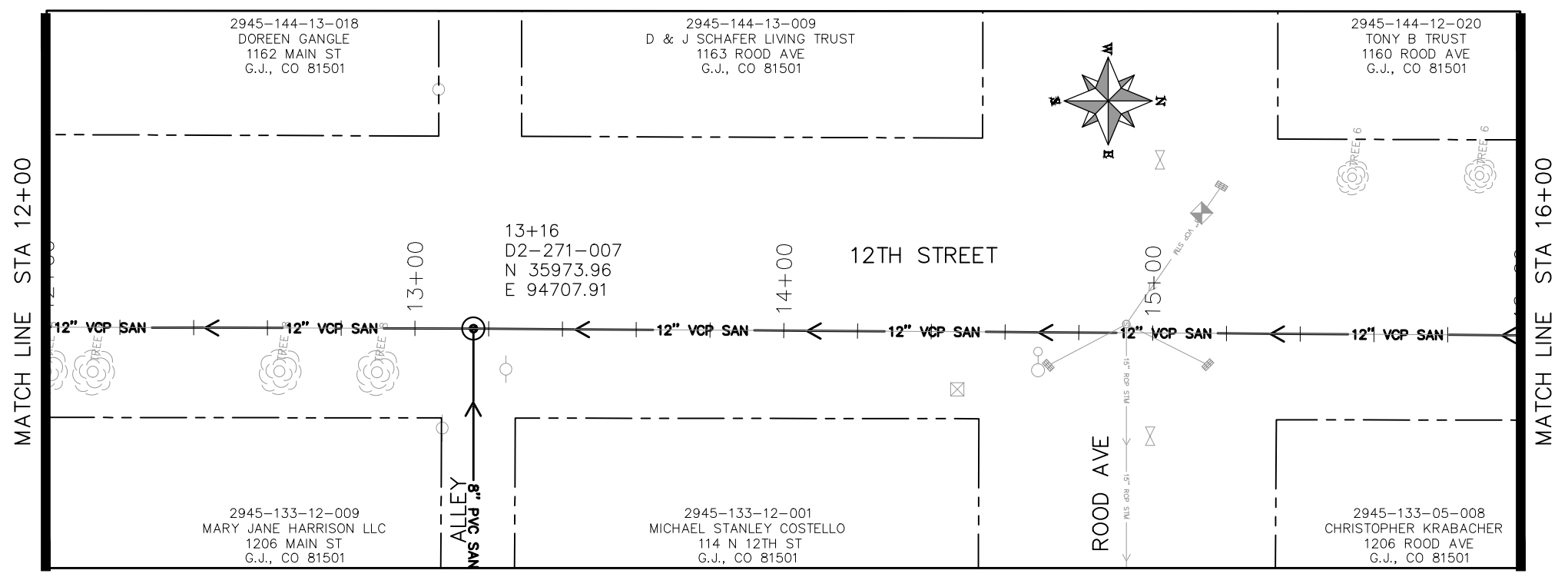


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2019 SEWER INTERCEPTOR REHABILITATIONS
12TH STREET CIPP
STA 8+00 TO STA 12+00

CONSTRUCTION NOTES

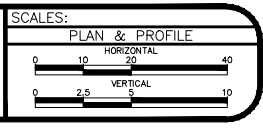
- (373) CURED IN PLACE SANITARY SEWER PIPE PER PROJECT SPECIFICATIONS. DESIGNED, SUBMITTED, AND STAMPED BY P.E. FIELD VERIFY SIZE/MATERIAL BEFORE ORDERING LINER. DURING NEW PIPE INSTALLATION IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO A DOWNSTREAM MANHOLE. IF NECESSARY PROVIDE TRAFFIC CONTROL 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

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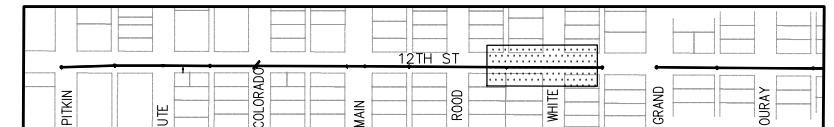
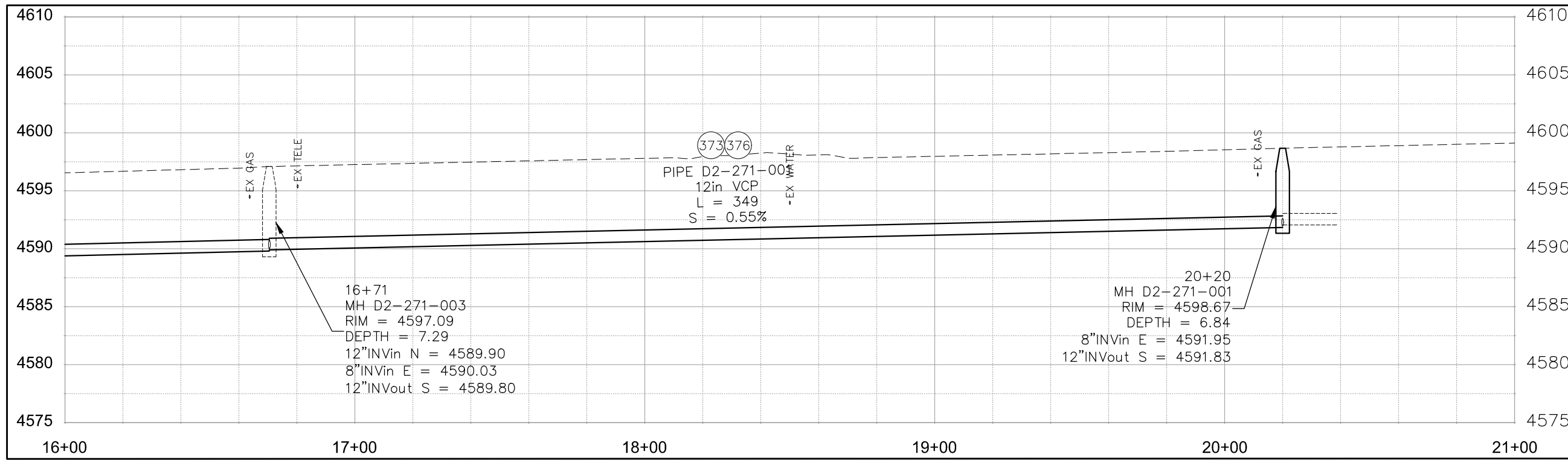
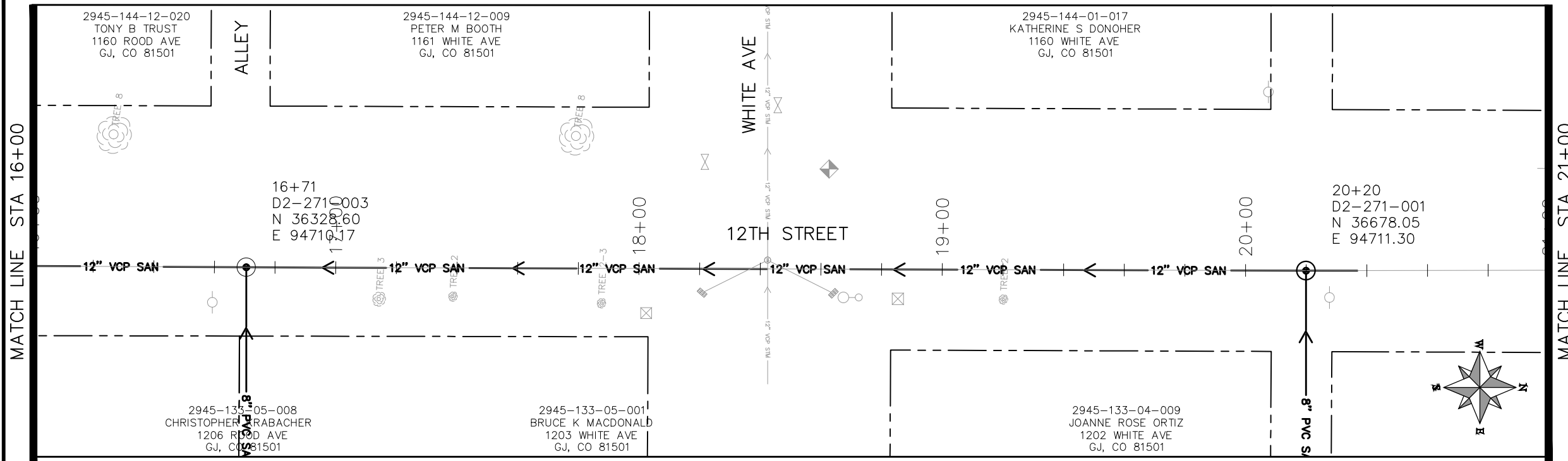
REVISION	DESCRIPTION	DATE	DRAWN BY	HMC/JCS	DATE	2016
REVISION			DESIGNED BY	JJV	DATE	2016
REVISION			CHECKED BY	TCP	DATE	2016
REVISION			APPROVED BY	HMC/JCS	DATE	2016



PUBLIC WORKS
ENGINEERING DIVISION

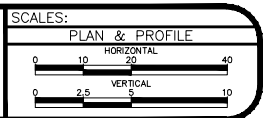
2019 SEWER INTERCEPTOR REHABILITATIONS
12TH STREET CIPP
STA 12+00 TO STA 16+00

- (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/JCS	DATE	2016
REVISION			DESIGNED BY	JJV	DATE	2016
REVISION			CHECKED BY	TCP	DATE	2016
REVISION			APPROVED BY	HMC/JCS	DATE	2016



PUBLIC WORKS
ENGINEERING DIVISION

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

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