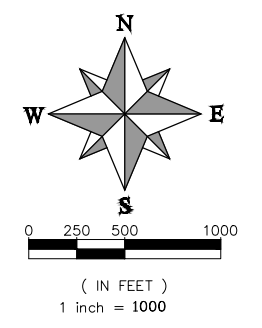
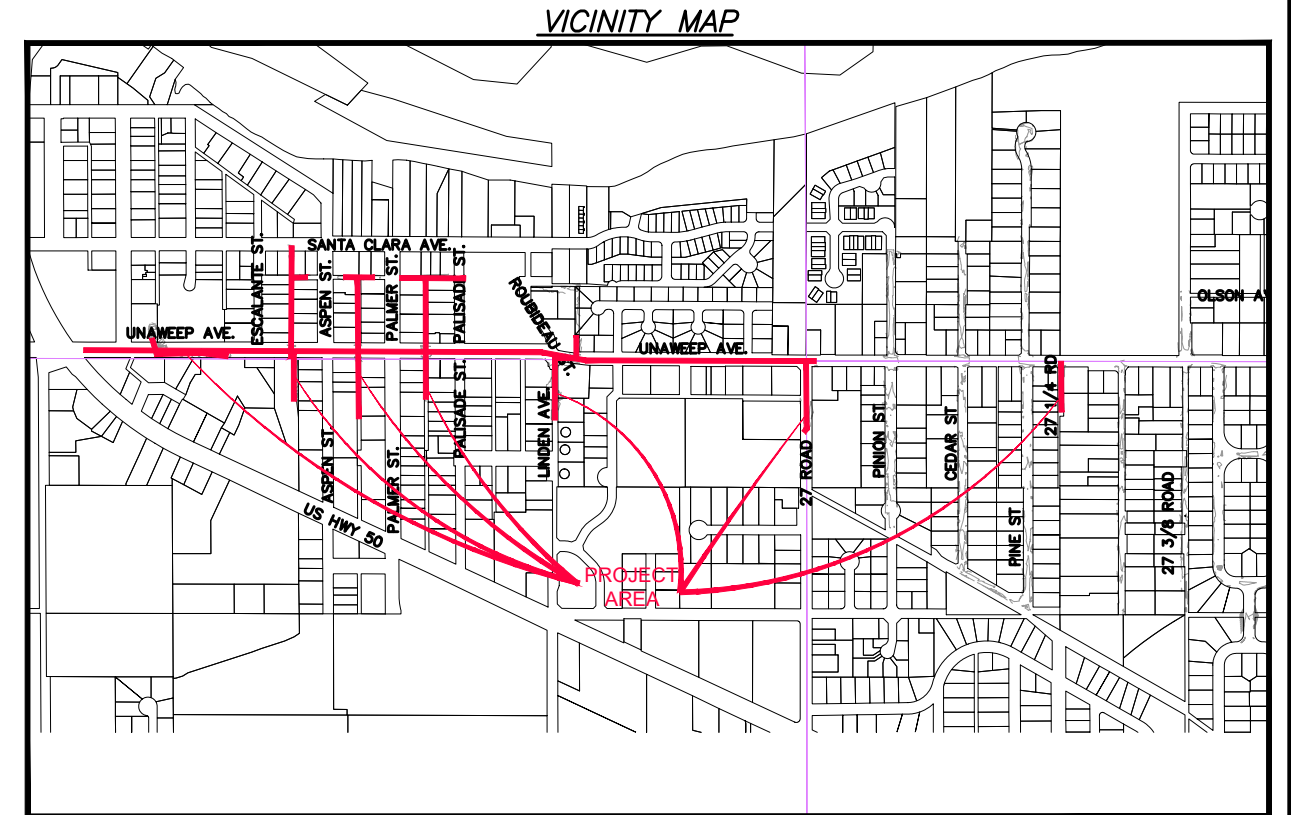


2021 SEWER LINE REPLACEMENT - PHASE A

1 — Cover Sheet	31 — Escalante St. Overlay
2 — Standard Abbreviations, Legend and Symbols	32 — Aspen St. Overlay
3 — Summary of Approximate Quantities	33 — Palmer St. Overlay
4 — Project Control Map	34 — Palisade St. Overlay
5 — Duck Pond P&P Sta 10+00 — 12+00	35 — Roubideau St. Overlay
6 — Duck Pond P&P Sta 12+00 — 14+00	36 — Duck Pond P&P - ALT 1 Sta 10+00 — 12+00
7 — Duck Pond P&P Sta 14+00 — 16+00	37 — Duck Pond P&P - ALT 1 Sta 12+00 — 14+00
8 — Escalante Alley P&P Sta 20+00 — 22+00	38 — Duck Pond P&P - ALT 1 Sta 14+00 — 16+00
9 — Escalante Alley P&P Sta 22+00 — 24+00	39 — Escalante Alley P&P - ALT 1 Sta 20+00 — 22+00
10 — Escalante Alley P&P Sta 24+00 — 26+00	40 — Escalante Alley P&P - ALT 1 Sta 22+00 — 24+00
11 — Escalante Alley P&P Sta 26+00 — 28+17	41 — Escalante Alley P&P - ALT 1 Sta 24+00 — 26+00
12 — Escalante Alley P&P Sta 30+00 — 31+20	42 — Escalante Alley P&P - ALT 1 Sta 26+00 — 28+17
13 — Aspen Alley P&P Sta 40+00 — 42+00	43 — Escalante Alley P&P - ALT 1 Sta 30+00 — 31+20
14 — Aspen Alley P&P Sta 42+00 — 44+00	44 — Aspen Alley P&P - ALT 1 Sta 40+00 — 42+00
15 — Aspen Alley P&P Sta 44+00 — 46+00	45 — Aspen Alley P&P - ALT 1 Sta 42+00 — 44+00
16 — Aspen Alley P&P Sta 46+00 — 47+63	46 — Aspen Alley P&P - ALT 1 Sta 44+00 — 46+00
17 — Aspen Alley P&P Sta 50+00 — 52+30	47 — Aspen Alley P&P - ALT 1 Sta 46+00 — 47+63
18 — Palmer Alley P&P Sta 60+00 — 62+20	48 — Aspen Alley P&P - ALT 1 Sta 50+00 — 52+30
19 — Palmer Alley P&P Sta 62+20 — 64+40	49 — Palmer Alley P&P - ALT 1 Sta 60+00 — 62+20
20 — Palmer Alley P&P Sta 64+40 — 66+60	50 — Palmer Alley P&P - ALT 1 Sta 62+20 — 64+40
21 — Palmer Alley P&P Sta 70+00 — 72+00	51 — Palmer Alley P&P - ALT 1 Sta 64+40 — 66+60
22 — Palmer Alley P&P Sta 72+00 — 73+24	52 — Palmer Alley P&P - ALT 1 Sta 70+00 — 72+00
23 — Linden Ave P&P Sta 80+00 — 82+00	53 — Palmer Alley P&P - ALT 1 Sta 72+00 — 73+24
24 — Linden Ave P&P Sta 82+00 — 84+00	54 — Linden Ave P&P - ALT 1 Sta 80+00 — 82+00
25 — Linden Ave P&P Sta 84+00 — 86+00	55 — Linden Ave P&P - ALT 1 Sta 82+00 — 84+00
26 — 27 Road P&P Sta 90+00 — 92+00	56 — Linden Ave P&P - ALT 1 Sta 84+00 — 86+00
27 — 27 Road P&P Sta 92+00 — 94+00	57 — 27 Road P&P - ALT 1 Sta 90+00 — 92+00
28 — 27 1/4 Road P&P Sta 10+00 — 12+00	58 — 27 Road P&P - ALT 1 Sta 92+00 — 94+00
29 — Unaweep Ave. Overlay	59 — 27 1/4 Road P&P - ALT 1 Sta 10+00 — 12+00
30 — Unaweep Ave. Overlay	



UTILITIES AND AGENCIES								
AGENCY	NAME	POSITION	ROLE	MAILING ADDRESS	STREET ADDRESS	CITY, STATE	VOICE-WK	FAX
CITY OF GRAND JUNCTION	ERIC MOCKO	PROJECT ENGINEER	PROJECT ENGINEER	333 WEST AVE BLDG C	333 WEST AVE BLDG C	GRAND JCT., CO 81501	(970) 256-4017	(970) 256-4022
CITY OF GRAND JUNCTION	ANNA PURTSCHER	ENGINEERING SPECIALIST	SANITARY SEWER	333 WEST AVE BLDG C	333 WEST AVE BLDG C	GRAND JCT., CO 81501	(970) 244-1559	(970) 256-4022
ORCHARD MESA IRRIGATION	MAX SCHMIDT	MANAGER	IRRIGATION	668 38 RD	668 38 RD	PALISADE, CO 81526	(970) 464-7885	(970) 464-5928
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 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 DARRICAU	UNIT MANAGER	GAS	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2656	(970) 244-2656

PROJECT NO. F0016-F001641L

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	UPDATES TO PLAN AND PROFILES	06/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021
REVISION Δ	XXX	201X
REVISION Δ	XXX	201X

CITY OF
Grand Junction
COLORADO

Public Works
Engineering Division



DRAWING STATUS:	
●	PROGRESS
○	FINAL CONSTRUCTION DRAWINGS
○	ASBUILT
DESIGNED BY:	
ERIC MOCKO	05/2021
REVIEWED BY:	
KEN HALEY, ENGINEERING MANAGER	06/2021
AUTHORIZED FOR CONSTRUCTION	
KEN HALEY, ENGINEERING MANAGER	06/2021
ACCEPTED AS CONSTRUCTED	
XXX, PROJECT ENGINEER	201X

2021 SEWER LINE REPLACEMENT - PHASE A

N:\Landproj\2021 Sewer Replacements - Phase A - Unaweep Ave\60CAD\00DESIGN\REVISION\TITLE SHEET.dwg, 7/9/2021 12:57:22 PM, AutoCAD PDF (General Documentation).pc3

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT
AP	ANGLE POINT
ASB	ANCHORED STRAW BALES
ASP	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
OMP	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	DRIVEWAY
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

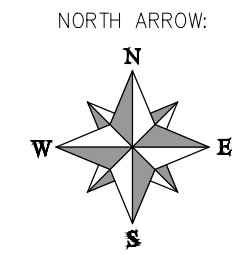
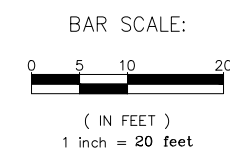
LEGEND

BSWMP	BSWMP
DRAINAGE BASIN BOUNDARY	
BSWMP ANCHORED STRAW BALES	
BSWMP SILT FENCE	
BUILDING	
CONCRETE CURB AND GUTTER	
CONCRETE CURB, GUTTER, & SIDEWALK	
CONCRETE DITCH	
CONCRETE SIDEWALK	
CULVERT	
EARTH DITCH	
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	
HATCHING: INDICATES CONCRETE REMOVAL	
HATCHING: INDICATES STAGING AREA	
LINE (CENTER OF IMPROVEMENTS)	
LINE (CITY LIMITS)	
LINE (CONTROL)	
LINE (EASEMENT)	
LINE (MONUMENT/SECTION)	
LINE (PROPERTY)	
LINE (RIGHT OF WAY)	
MATCH LINE	
PIPE (IRRIGATION)	
PIPE (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)	
ALL PROPOSED FEATURES NOT SHOWN IN LEGEND WILL BE SHOWN THE SAME AS THEIR EXISTING COUNTERPART, BUT INDICATED BY BOLDER LINETYPE	
RAIL ROAD	
RETAINING WALL	
STRIPING (CONTINUOUS WHITE)	
STRIPING (DASHED WHITE)	
STRIPING (CONTINUOUS YELLOW)	
STRIPING (DASHED YELLOW)	
TOP OF SLOPE	
CONTOUR LINES (SHOWN BETWEEN TOP & TOE)	
TOE OF SLOPE	
TRAFFIC DETECTOR LOOP	
UTILITY LINE (ABANDON) (THIS CASE A WATER LINE)	
UTILITY LINE (CABLE TV)	
UTILITY LINE (ELECTRIC)	
UTILITY LINE (FIBER OPTIC)	
UTILITY LINE (GAS)	
UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER)	
UTILITY LINE (OVERHEAD POWER)	
UTILITY LINE (OVERHEAD TELEPHONE)	
UTILITY LINE (SANITARY SEWER)	
UTILITY LINE (SANITARY SEWER FORCE MAIN)	
UTILITY LINE (SANITARY SEWER SERVICE)	
UTILITY LINE (STORM SEWER)	
UTILITY LINE (STORM SEWER, PERFORATED)	
UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	
UTILITY LINE (TELEPHONE)	
UTILITY LINE (WATER)	

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	
PROPOSED 24"x48" METADOME LOCATION	



REVISION	DESCRIPTION	DATE	PROJECT NO.
REVISION Δ	ADDITIONAL SYMBOL	06/2021	DRAWN BY JCS DATE 4-02
REVISION Δ			DESIGNED BY DATE
REVISION Δ			CHECKED BY DATE
REVISION Δ			APPROVED BY DATE

SCALES: PLAN & PROFILE



PUBLIC WORKS
ENGINEERING DIVISION

CITY OF GRAND JUNCTION
STANDARD ABBREVIATIONS, LEGEND,
AND SYMBOLS

N:\Landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\DESIGN\REVISION 2\TITLE SHEET.dwg, 7/9/2021 12:57:33 PM, AutoCAD PDF (General Documentation).pc3

Bid Schedule: 2021 Sewer Replacements - Phase A - Unawep Ave - Addendum #3

Bid Schedule: 2021 Sewer Replacements - Phase A - Unawep Ave - Addendum #3

Bid Schedule: 2021 Sewer Replacements - Phase A - Unawep Ave - Addendum #3

Bid Schedule: 2021 Sewer Replacements - Phase A - Unawep Ave - Addendum #3 - Bid Alternate #1

Bid Schedule: 2021 Sewer Replacements - Phase A - Unawep Ave - Addendum #3 - Bid Alternate #1

CONTRACTOR:

CONTRACTOR:

CONTRACTOR:

CONTRACTOR:

CONTRACTOR:

Table with columns: Item No., CDOT City Ref., Description, Quantity, Units, Unit Price, Total Price. Includes items 1 through 20.

Table with columns: Item No., CDOT City Ref., Description, Quantity, Units, Unit Price, Total Price. Includes items 21 through 53.

Table with columns: Item No., CDOT City Ref., Description, Quantity, Units, Unit Price, Total Price. Includes items 54 through 67.

Table with columns: Item No., CDOT City Ref., Description, Quantity, Units, Unit Price, Total Price. Includes items 10 through 37.

Table with columns: Item No., CDOT City Ref., Description, Quantity, Units, Unit Price, Total Price. Includes items 38A through 67A.

Table with columns: REVISION, DESCRIPTION, DATE. Includes revision 1 through 4.

Table with columns: PROJECT NO., DRAWN BY, DESIGNED BY, CHECKED BY, APPROVED BY, DATE. Includes project details and dates.

SCALES: PLAN & PROFILE



PUBLIC WORKS ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT - PHASE A SUMMARY OF APPROXIMATE QUANTITIES

N:\landproj\2021 Sewer Replacements - Phase A - Unawweep Ave\60CAD\00DESIGN\REVISION 2\TITLE SHEET.dwg, 7/9/2021 12:57:57 PM, AutoCAD PDF (General Documentation).pc3



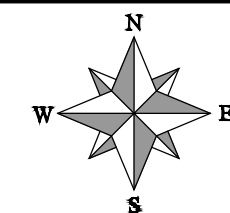
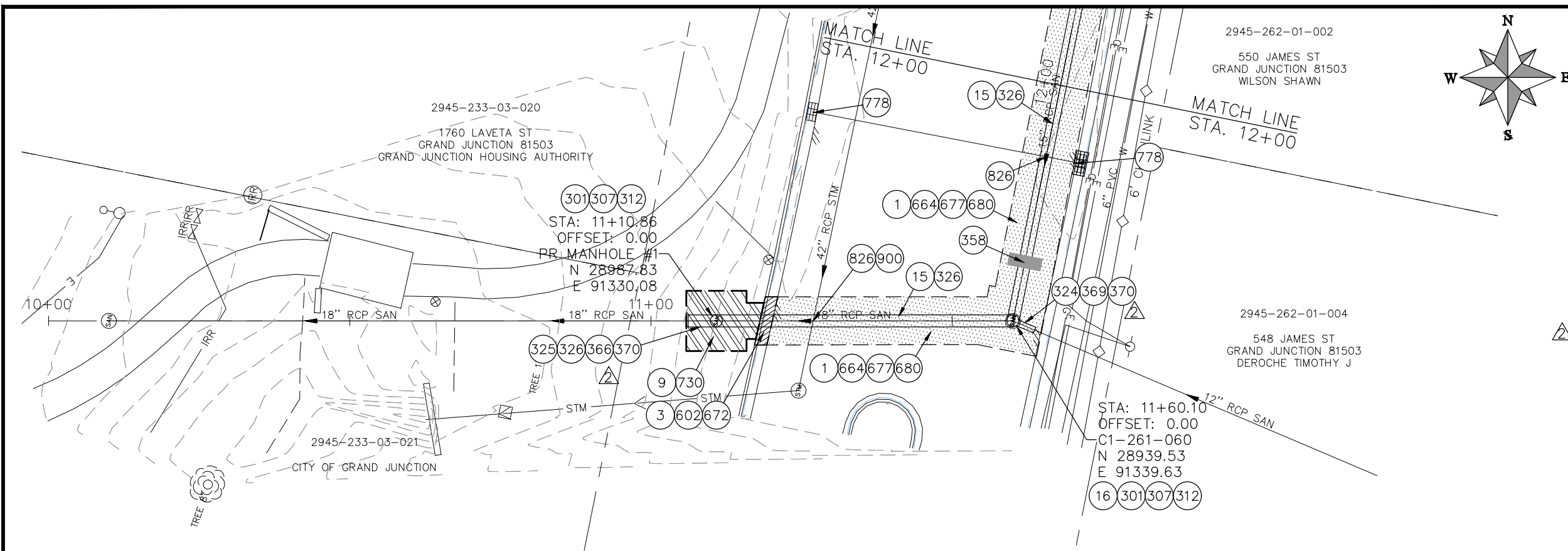
REVISION	DESCRIPTION	DATE	PROJECT NO.
REVISION Δ			DRAWN BY DJM DATE 05/2021
REVISION Δ			DESIGNED BY DJM DATE 05/2021
REVISION Δ			CHECKED BY ECM DATE 05/2021
REVISION Δ			APPROVED BY KH DATE 05/2021

SCALES: PLAN & PROFILE



PUBLIC WORKS
ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT – PHASE A
PROJECT CONTROL MAP

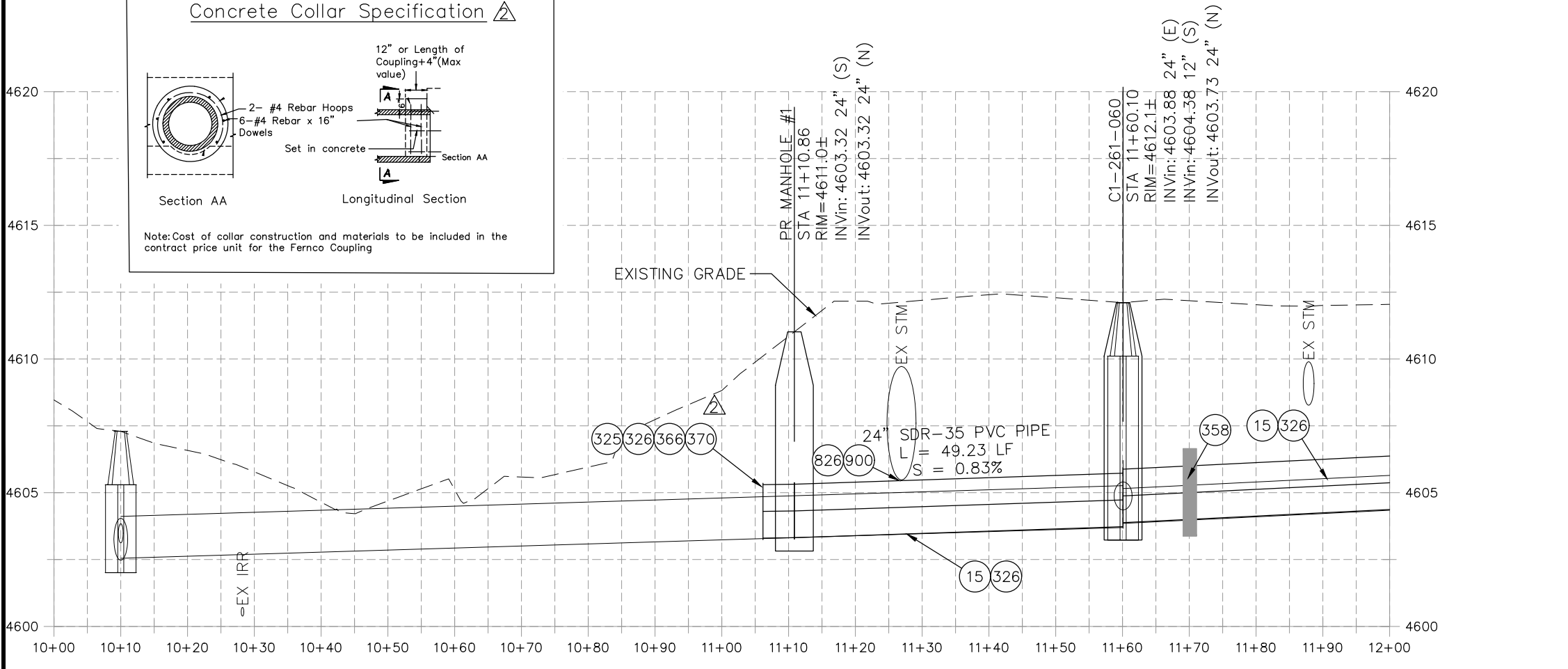
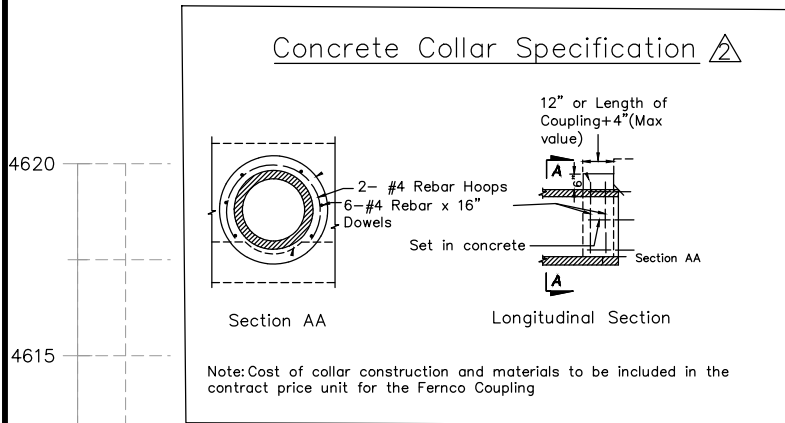
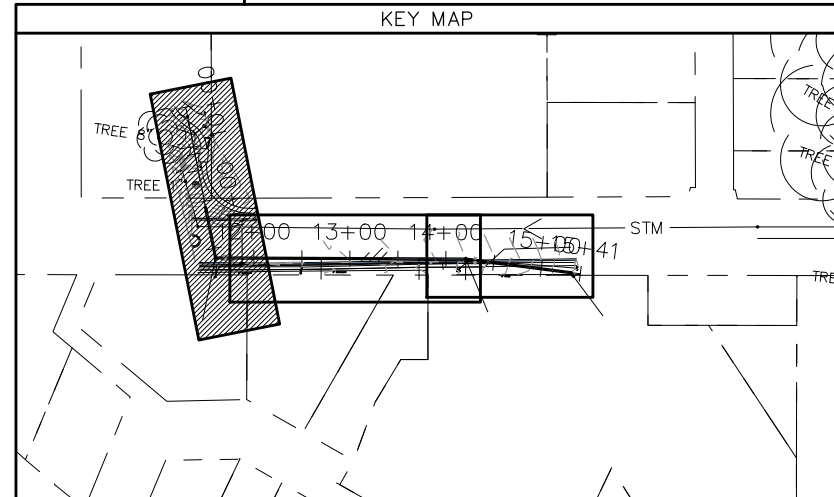


CONSTRUCTION NOTES

- ① 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- ③ 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- ⑨ 202 - REMOVAL OF SOD.
- ⑮ 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- ⑰ 202 - REMOVAL OF MANHOLE
- ⑫② 210 - RESET/REPAIR SPRINKLER IRRIGATION SYSTEM. (IF NECESSARY)
- ③① 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ③⑦ 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (60" I.D.)
- ③⑱ 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
- ③⑳ 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ③⑳ 102.9/108.2 - 18" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ③㉒ 102.9/108.2 - 24" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
- ③㉔ 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- ③㉖ USE A 24"x18" PVC ECCENTRIC REDUCER TO CONNECT TO 18" PVC PIPE. USE FERNCO COUPLING (REINFORCED WITH CONCRETE COLLAR, SEE DETAIL) TO CONNECT TO EXISTING 18" RCP.
- ③㉘ USE FERNCO COUPLING (REINFORCED WITH CONCRETE COLLAR, SEE DETAIL) TO CONNECT TO EXISTING 12" RCP.
- ③㉚ CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
- ⑥② 608.06 - CONCRETE CURB AND GUTTER (2' WIDE)
- ⑥④ 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
- ⑥⑷ 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- ⑥⑸ 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
- ⑥⑸ 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
- ⑦③ 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
- ⑦⑸ 208 - STORM DRAIN INLET PROTECTION (SILT-SACK STYLE OR APPROVED EQUAL) (NO GRAVEL/ROCK BAG FILTERS ARE ALLOWED)
- ⑧① PROTECT TREE
- ⑧⑲ PROTECT EXISTING UTILITY LINE IN PLACE.
- ⑨① CONTRACTOR AND CITY TO VERIFY INVERT ELEVATION OF EXISTING STORM SEWER. CONTRACTOR SHALL ENCASE SANITARY SEWER PIPE (PER CITY SPECIFICATION GU-04). POT HOLING REQUIRED.

NOTE: SEWER SERVICE LOCATIONS ARE UNKNOWN. SEWER SERVICES SHALL BE VERIFIED BY CONTRACTOR AND CITY. REPLACE SEWER SERVICES PER CITY SPECIFICATIONS. ESTIMATED QUANTITIES TO BE (3) 24"x4" SEWER TAPS AND 2-WAY CLEANOUTS.

KEY MAP



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	05/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	5/2021
REVISION Δ XXX	----	202X	----	2021
REVISION Δ XXX	----	202X	----	2021

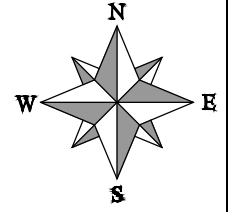
SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



**PUBLIC WORKS
ENGINEERING DIVISION**

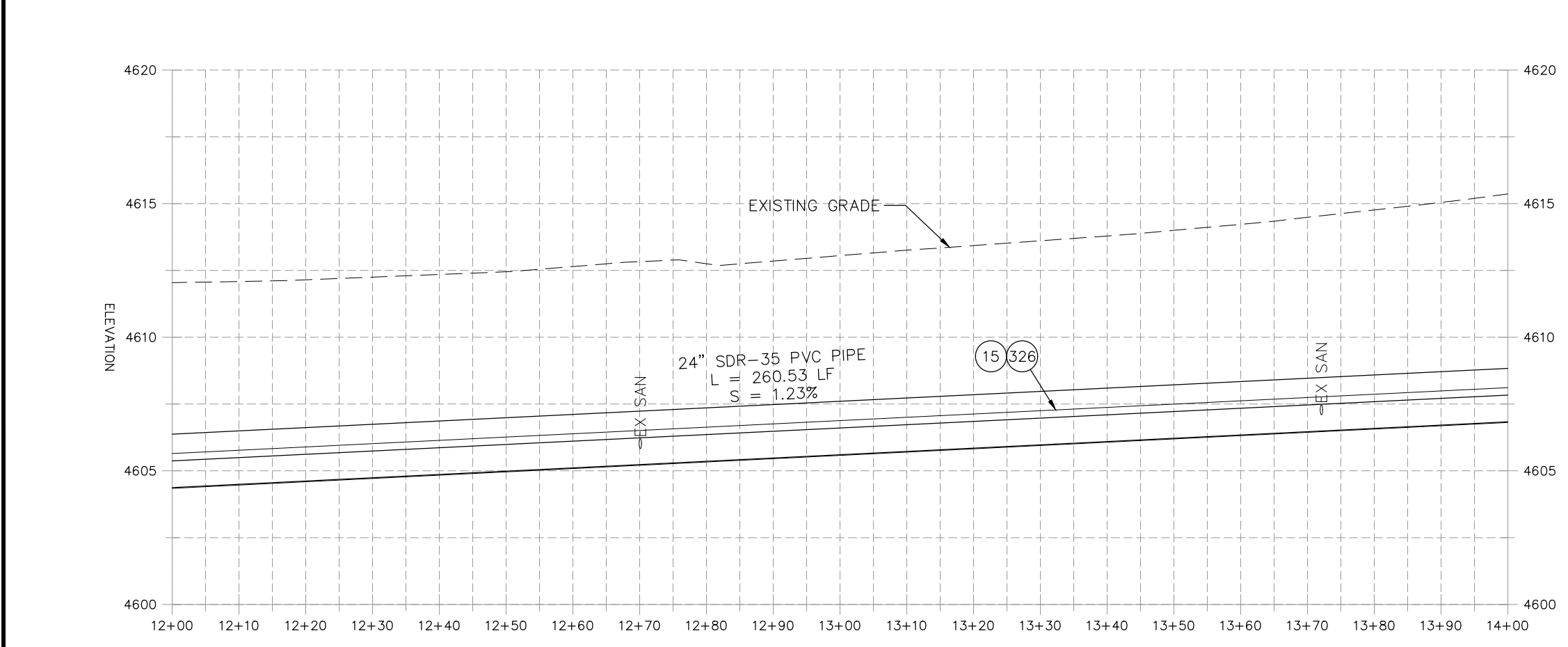
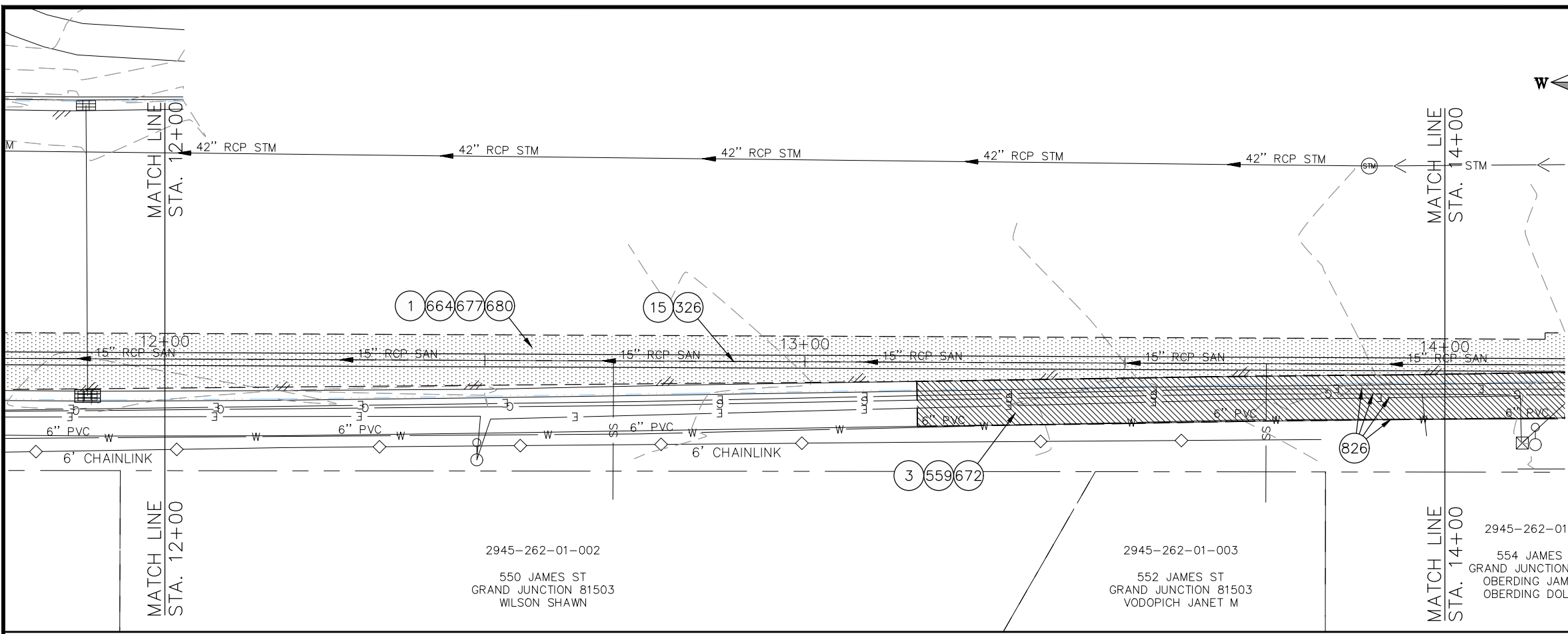
**2021 SEWER LINE REPLACEMENT - PHASE A
DUCK POND AREA PLAN AND PROFILE
STA 10+00 TO STA 12+00**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawsep Ave\60CAD\00DESIGN\REVISION 2\Duck Pond.dwg, 7/9/2021 12:58:35 PM, AutoCAD PDF (General Documentation).pc3

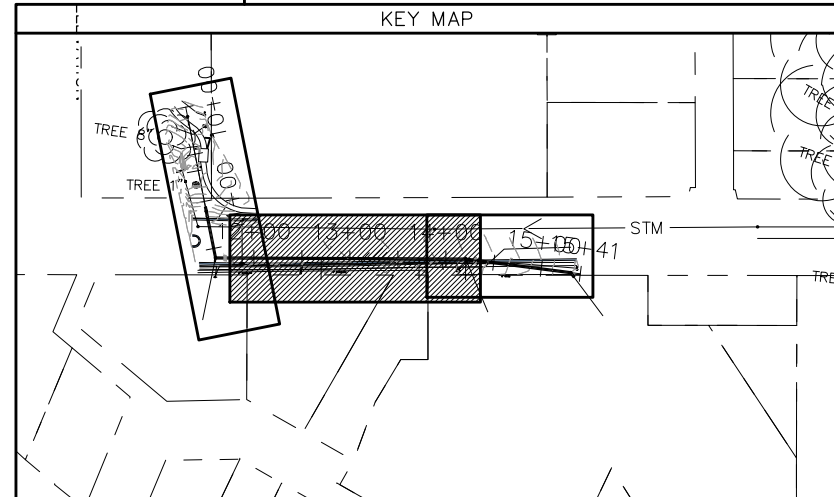


CONSTRUCTION NOTES

- ① 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- ③ 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- ⑮ 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- ③26 102.9/108.2 - 24" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
- ⑤59 608.06 - MONOLITHIC VERTICAL CURB, GUTTER AND SIDEWALK (7' WIDE)
- ⑥64 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
- ⑥72 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- ⑥77 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
- ⑥80 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
- ⑧26 PROTECT EXISTING UTILITY LINE IN PLACE.



NOTE:
SEWER SERVICE LOCATIONS ARE UNKNOWN. SEWER SERVICES SHALL BE VERIFIED BY CONTRACTOR AND CITY. REPLACE SEWER SERVICES PER CITY SPECIFICATIONS. ESTIMATED QUANTITIES TO BE (3) 24"x4" SEWER TAPS AND 2-WAY CLEANOUTS.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	05/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	05/2021
REVISION Δ	XXX	202X	----	05/2021
REVISION Δ	XXX	202X	----	05/2021

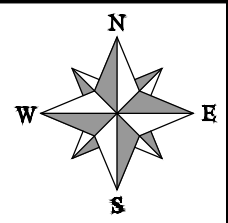
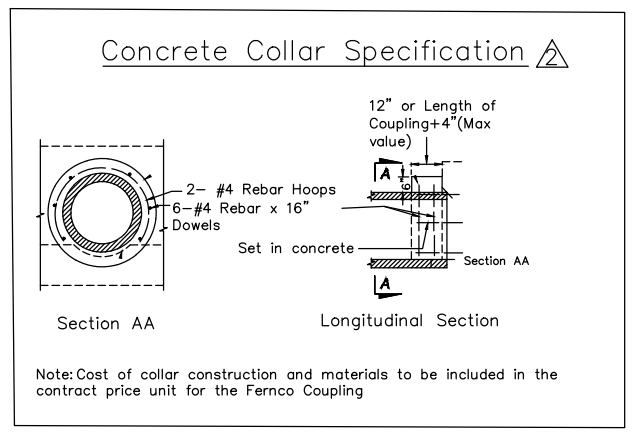
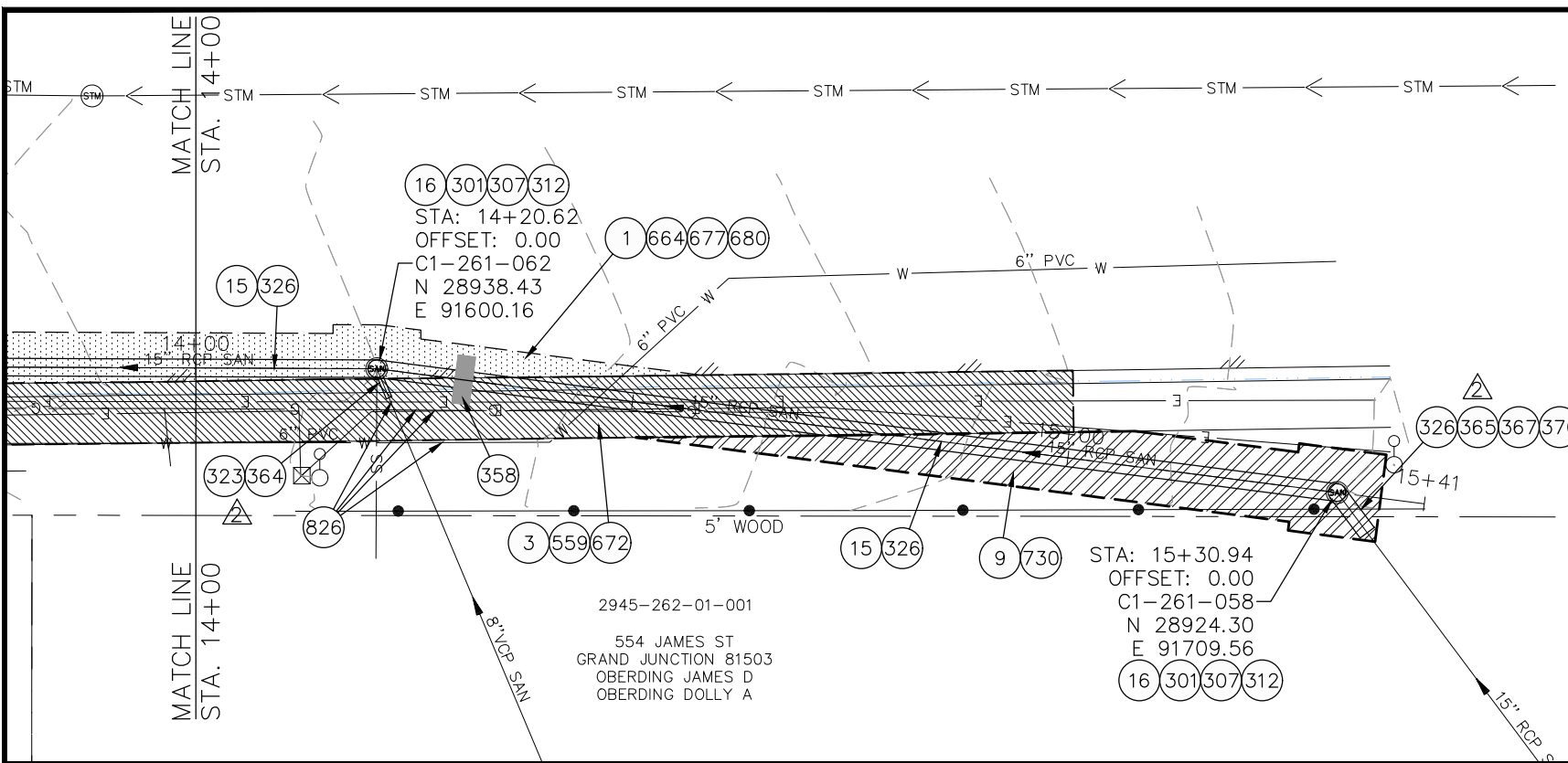
SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



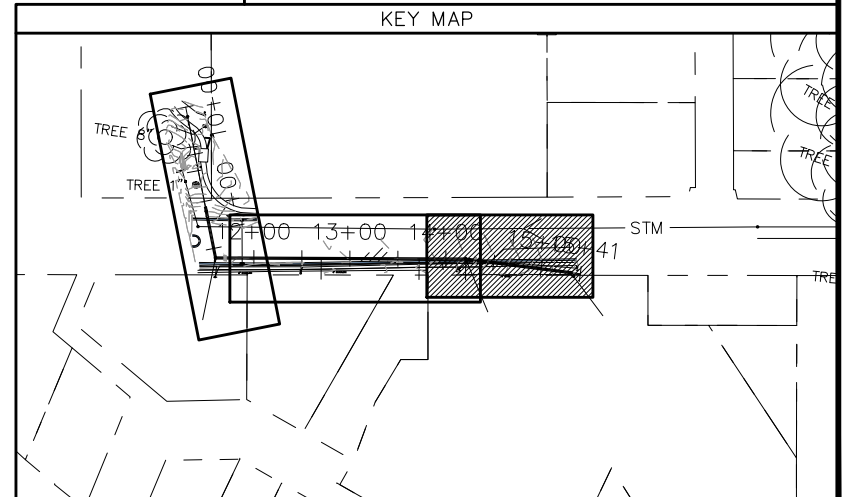
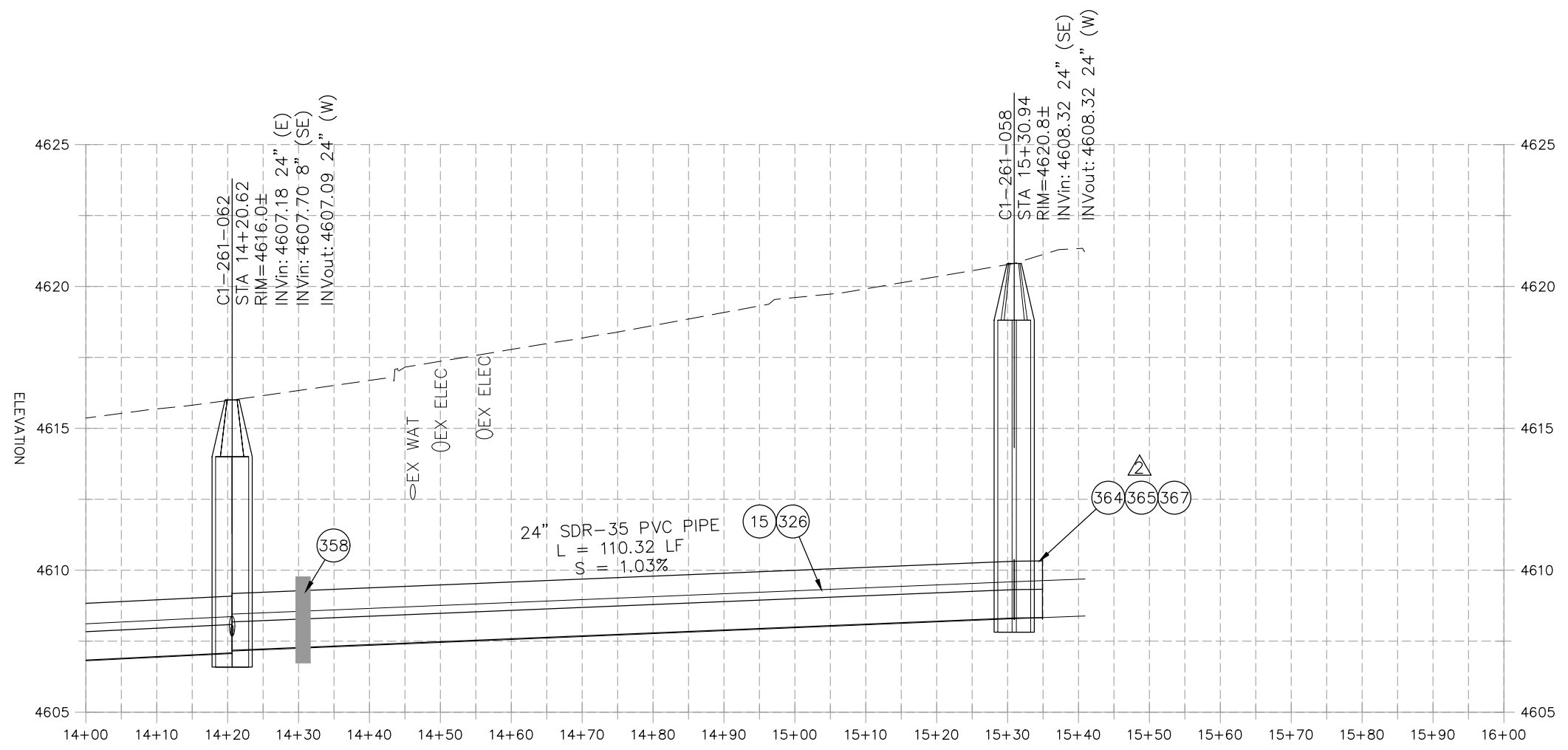
PUBLIC WORKS
ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT - PHASE A
DUCK POND AREA PLAN AND PROFILE
STA 12+00 TO STA 14+00

N:\Landproj\2021 Sewer Replacements - Phase A - Unawsep Ave\60CAD\05DESIGN\REVISION 2\DUck Pond.dwg, 7/9/2021 12:59:54 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- ① 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - ③ 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - ⑨ 202 - REMOVAL OF SOD.
 - ⑮ 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - ⑰ 202 - REMOVAL OF MANHOLE
 - ⑳ 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - ㉑ 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (60" I.D.)
 - ㉒ 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - ㉓ 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - ㉔ 102.9/108.2 - 24" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - ㉕ 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - ㉖ CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - ㉗ 102.9/108.2 - 15" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - ㉘ USE A 24"x15" PVC ECCENTRIC REDUCER TO CONNECT TO 15" PVC PIPE. USE FERNCO COUPLING (REINFORCED WITH CONCRETE COLLAR, SEE DETAIL TO CONNECT TO EXISTING 15" RCP.
 - ㉙ CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - ㉚ 608.06 - MONOLITHIC VERTICAL CURB, GUTTER AND SIDEWALK (7' WIDE)
 - ㉛ 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - ㉜ 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - ㉝ 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - ㉞ 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - ㉟ 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - ㊱ PROTECT EXISTING UTILITY LINE IN PLACE.
- NOTE: SEWER SERVICE LOCATIONS ARE UNKNOWN. SEWER SERVICES SHALL BE VERIFIED BY CONTRACTOR AND CITY. REPLACE SEWER SERVICES PER CITY SPECIFICATIONS. ESTIMATED QUANTITIES TO BE (3) 24"x4" SEWER TAPS AND 2-WAY CLEANOUTS.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	05/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	05/2021
REVISION Δ	XXX	202X	----	05/2021
REVISION Δ	XXX	202X	----	05/2021

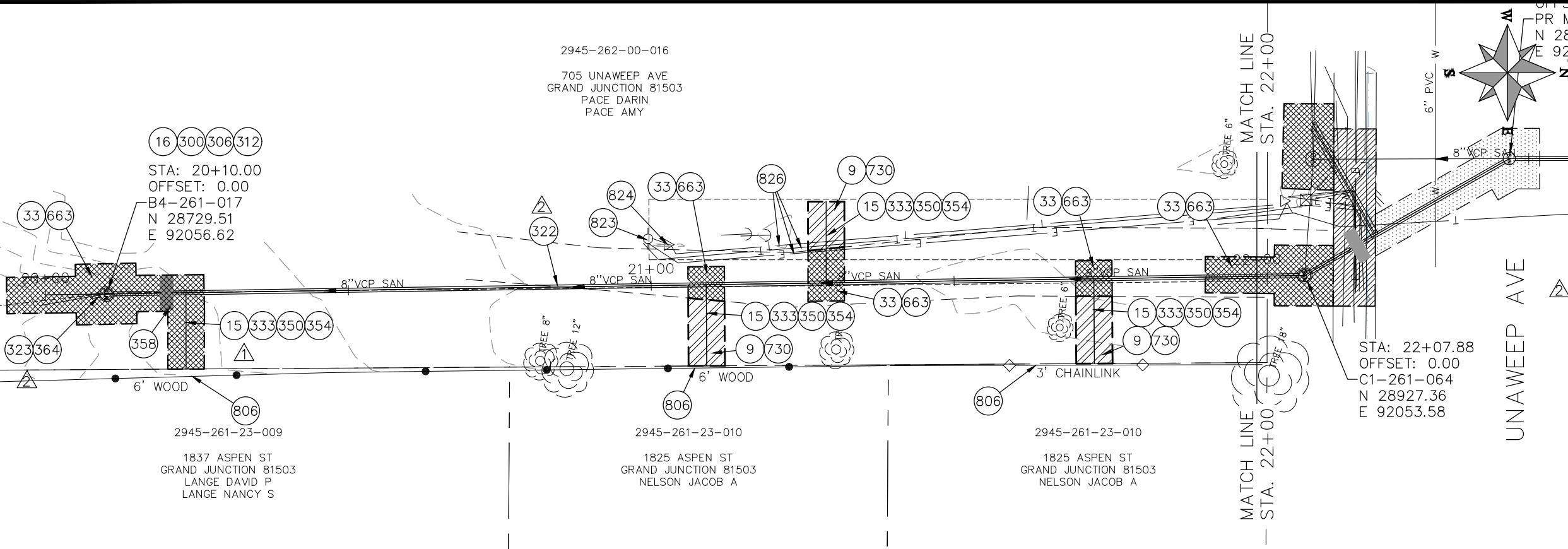
SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



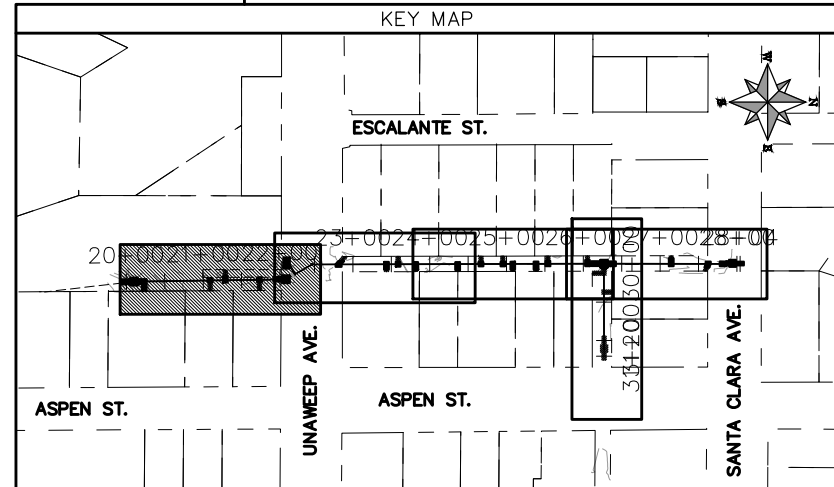
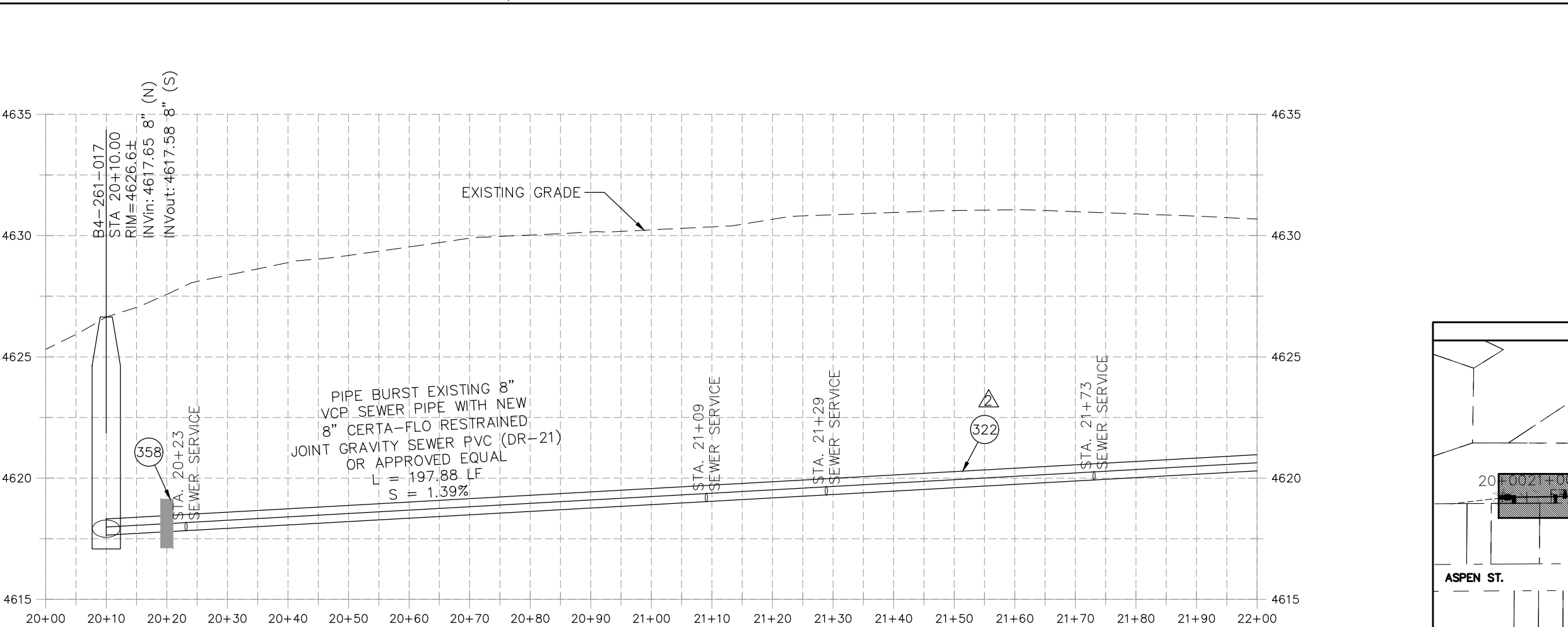
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
DUCK POND AREA PLAN AND PROFILE
STA 14+00 TO STA 16+00**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawsep Ave\60CAD\00DESIGN\REVISION 2\Duck Pond.dwg, 7/9/2021 1:01:02 PM, _AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 806 PROTECT FENCE
 - 823 PROTECT UTILITY POLE
 - 824 PROTECT UTILITY PEDESTAL
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

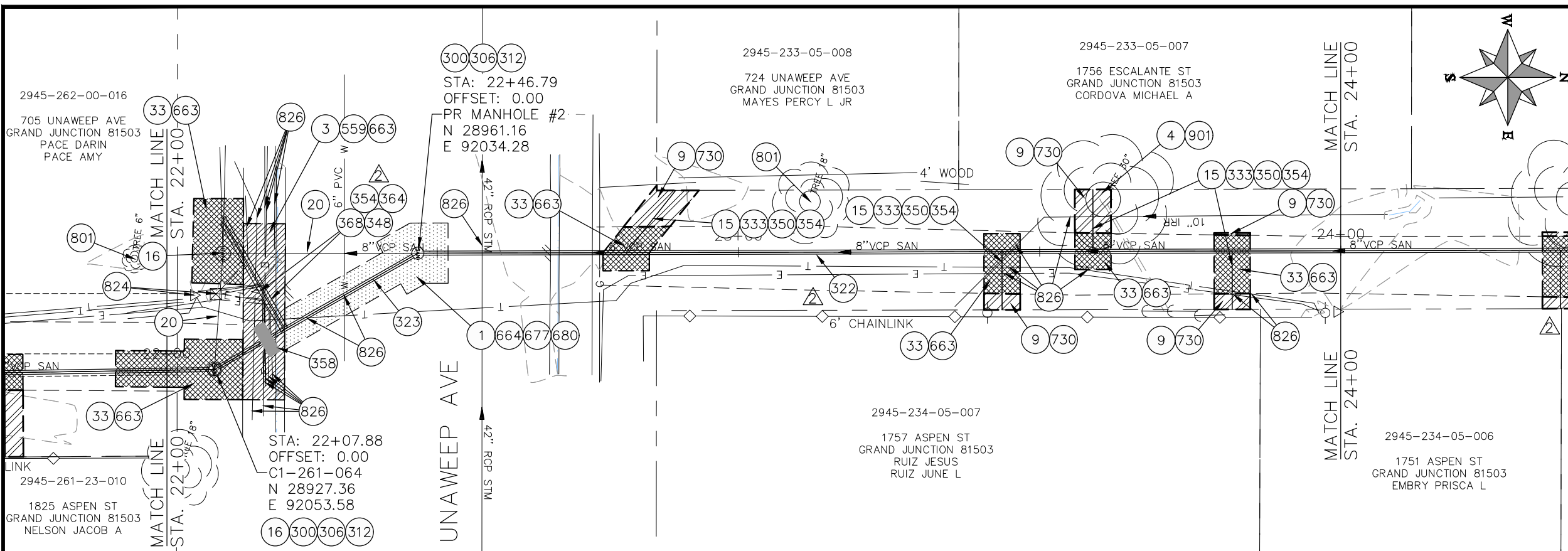
SCALES: PLAN & PROFILE
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'



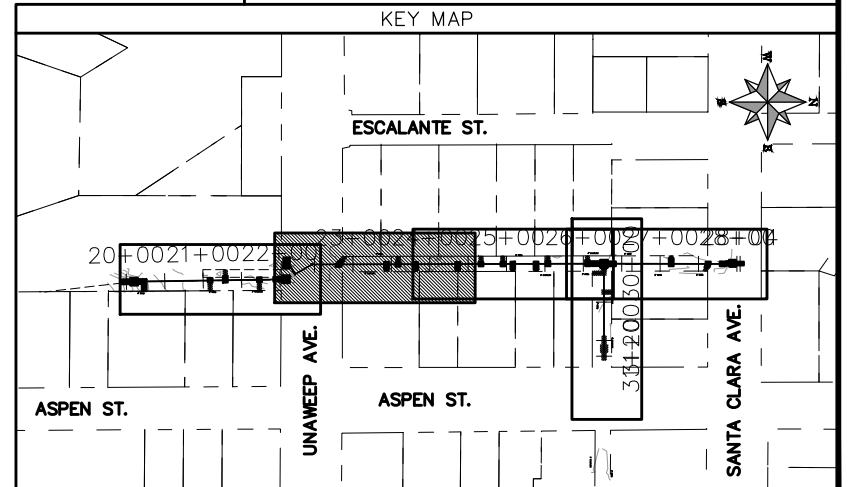
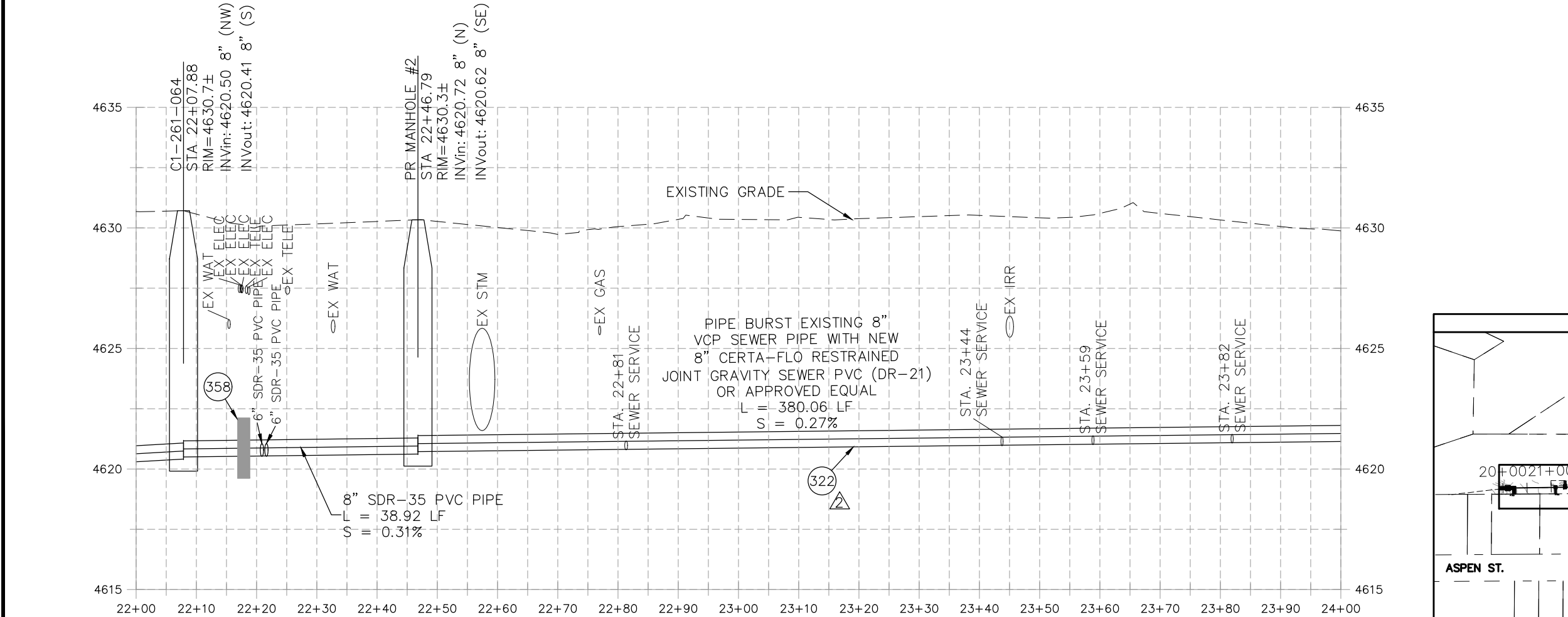
PUBLIC WORKS
ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT - PHASE A
ESCALANTE ST & ASPEN ST ALLEY PLAN AND PROFILE
STA 20+00 TO STA 22+00

N:\Landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60\CAD\00DESIGN\REVISION 2\Escalante Alley.dwg, 7/9/2021 10:245 PM, AutoCAD PDF (General Documentation).pc3



- ### CONSTRUCTION NOTES
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - 4 202 - REMOVAL OF TREE (SIZE AS SHOWN ON PLAN)
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 20 202 - ABANDON PIPE. ABANDON BY PLUGGING REMAINING ENDS WITH CONCRETE.
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTARA ECODEUR 201 PROTECTIVE COATING OR APPROVED EQUAL). (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 348 102.9/108.3 - 8" x 6" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 350 8"x4" SEWER SERVICE TAP. TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 366 102.9/108.2 - 6" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 559 608.06 - MONOLITHIC VERTICAL CURB, GUTTER AND SIDEWALK (7" WIDE)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 801 PROTECT TREE
 - 824 PROTECT UTILITY PEDESTAL
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.
 - 901 REPLACE TREE



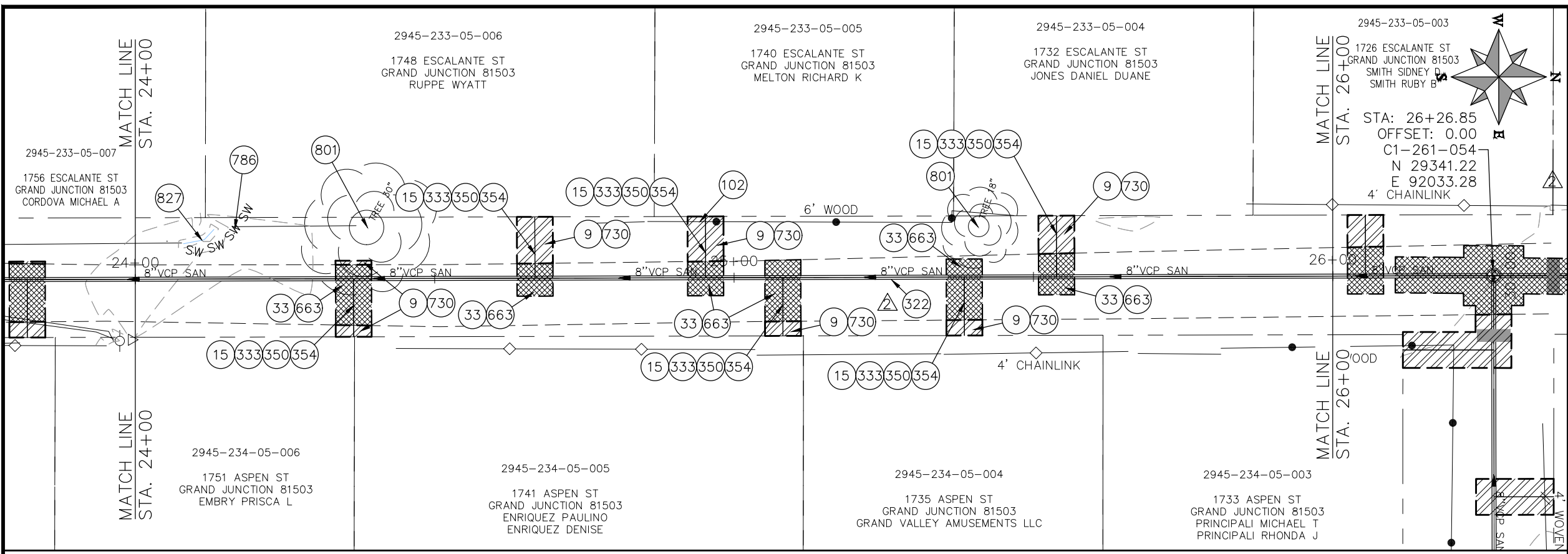
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION 1	UPDATES TO PLAN AND PROFILES	06/2021	-----	04/2021
REVISION 2	UPDATES TO PLAN AND PROFILES	07/2021	-----	4/2021
REVISION 3	XXX	202X	-----	2021
REVISION 4	XXX	202X	-----	2021

SCALE	DATE	APPROVED BY
HORIZONTAL: 1" = 20'	04/2021	DJM
VERTICAL: 1" = 5'	4/2021	DJM
	2021	EM
	2021	KH

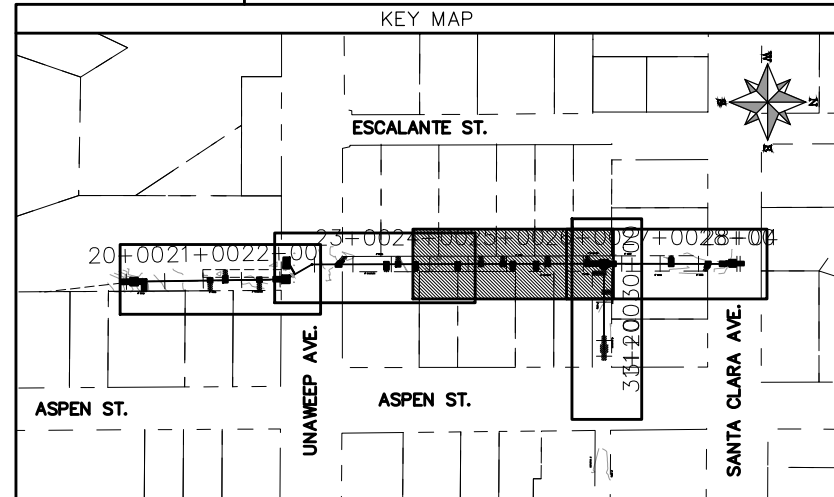
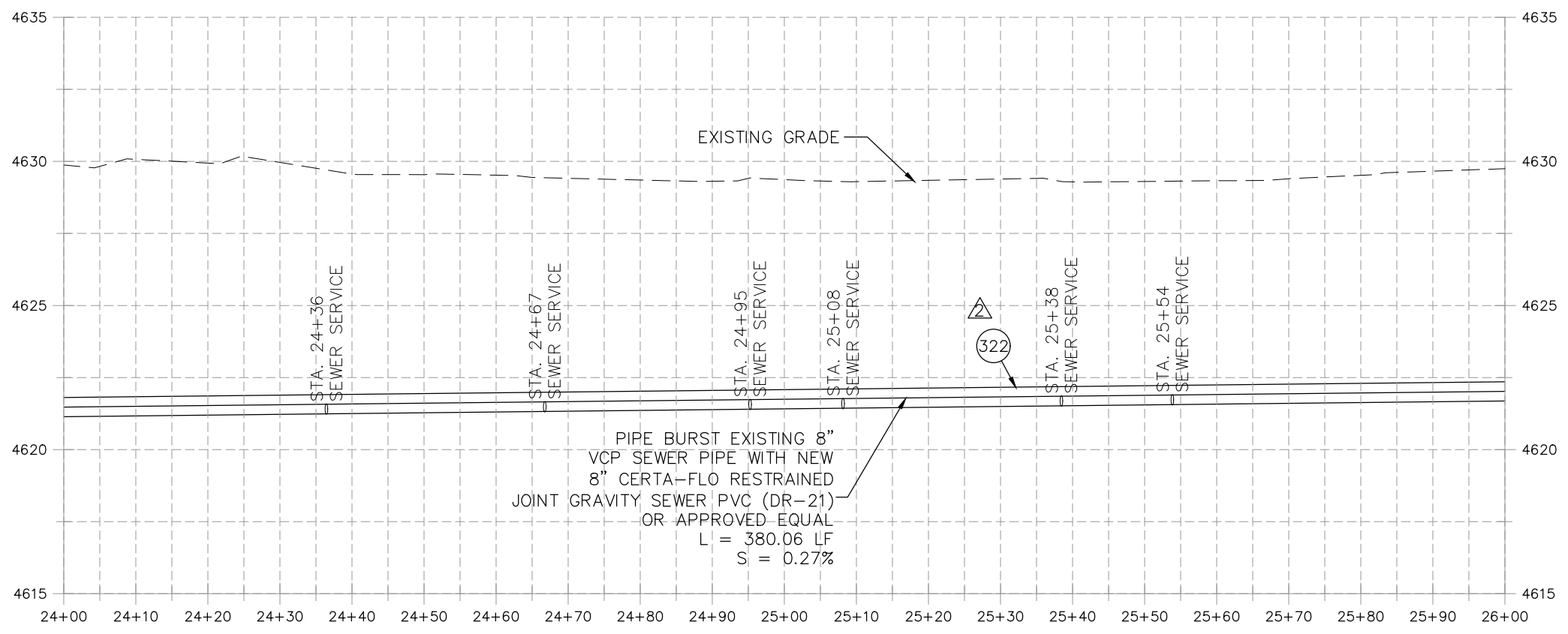


PUBLIC WORKS ENGINEERING DIVISION

**2021 SEWER LINE REPLACEMENT - PHASE A
ESCALANTE ST & ASPEN ST ALLEY PLAN AND PROFILE
STA 22+00 TO STA 24+00**



- ### CONSTRUCTION NOTES
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 786 EROSION CONTROL LOG
 - 801 PROTECT TREE
 - 827 PROTECT IRRIGATION DITCH



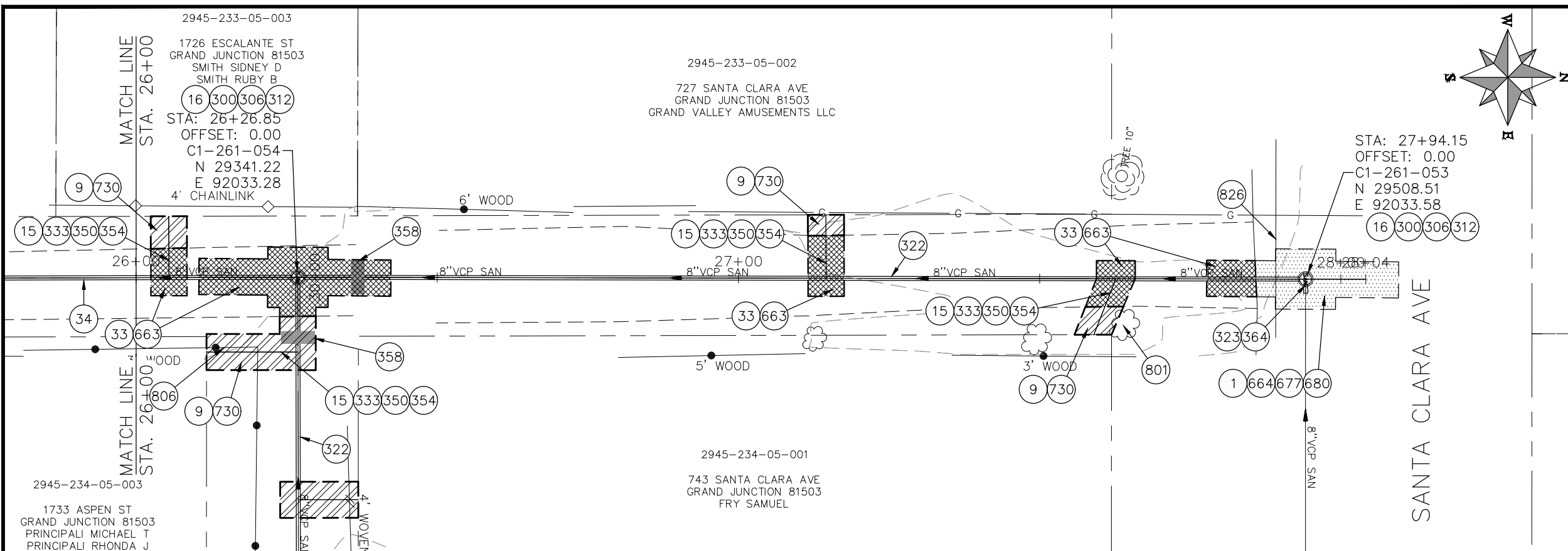
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

SCALE	DATE
HORIZONTAL: 1" = 20'	04/2021
VERTICAL: 1" = 5'	4/2021

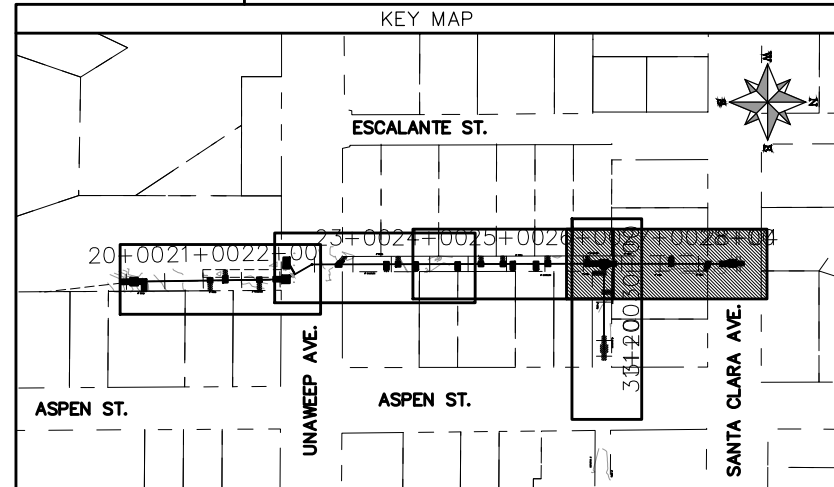
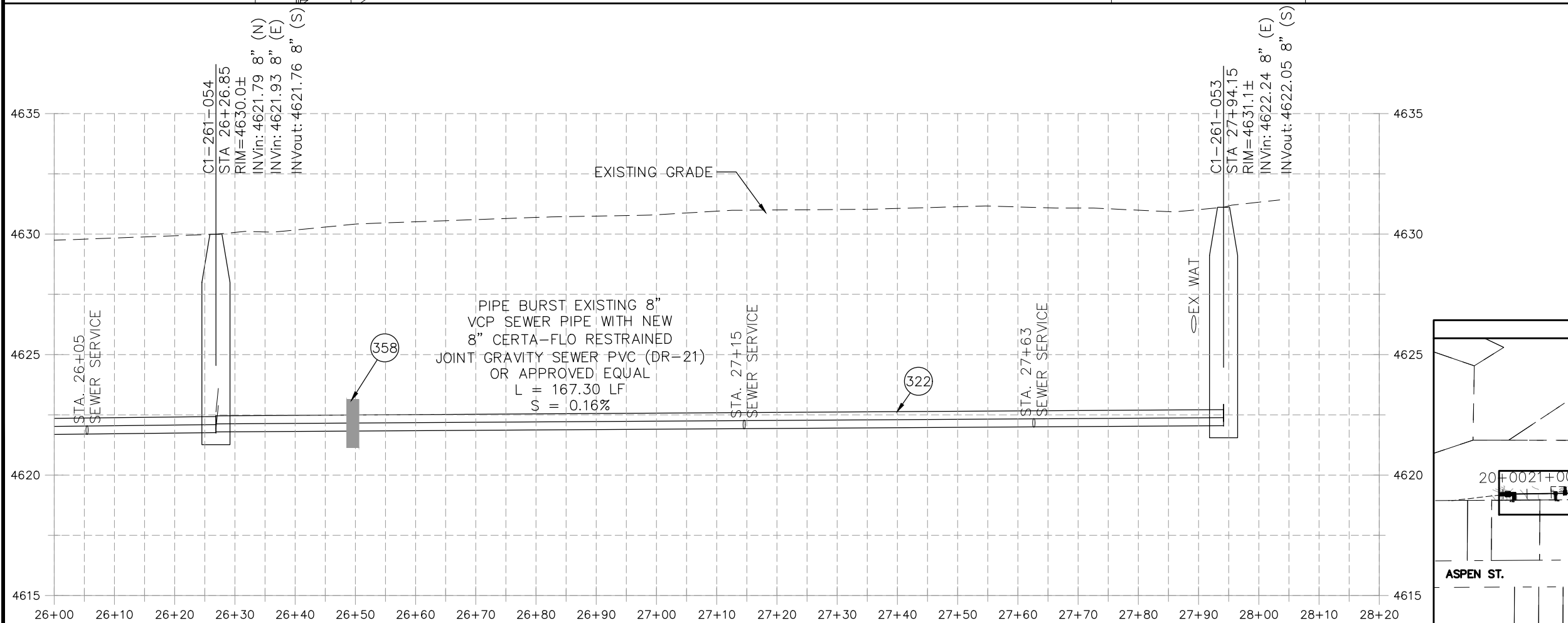


PUBLIC WORKS ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT - PHASE A
 ESCALANTE ST & ASPEN ST ALLEY PLAN AND PROFILE
 STA 24+00 TO STA 26+00



- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 801 PROTECT TREE
 - 806 PROTECT FENCE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



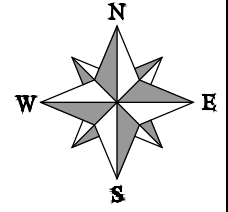
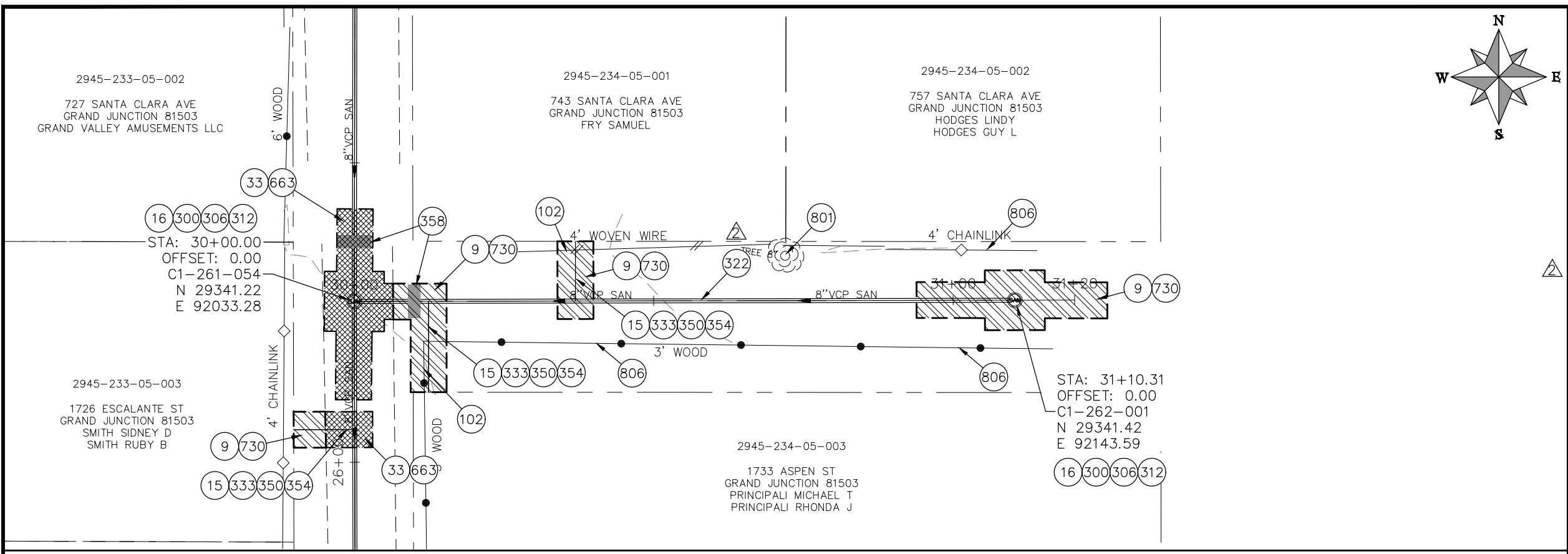
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION A	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION B	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION C	XXX	202X	----	2021
REVISION D	XXX	202X	----	2021

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

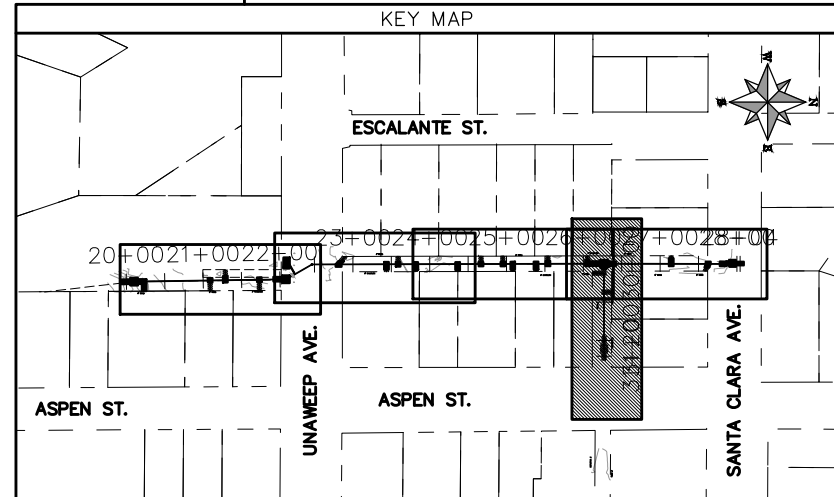
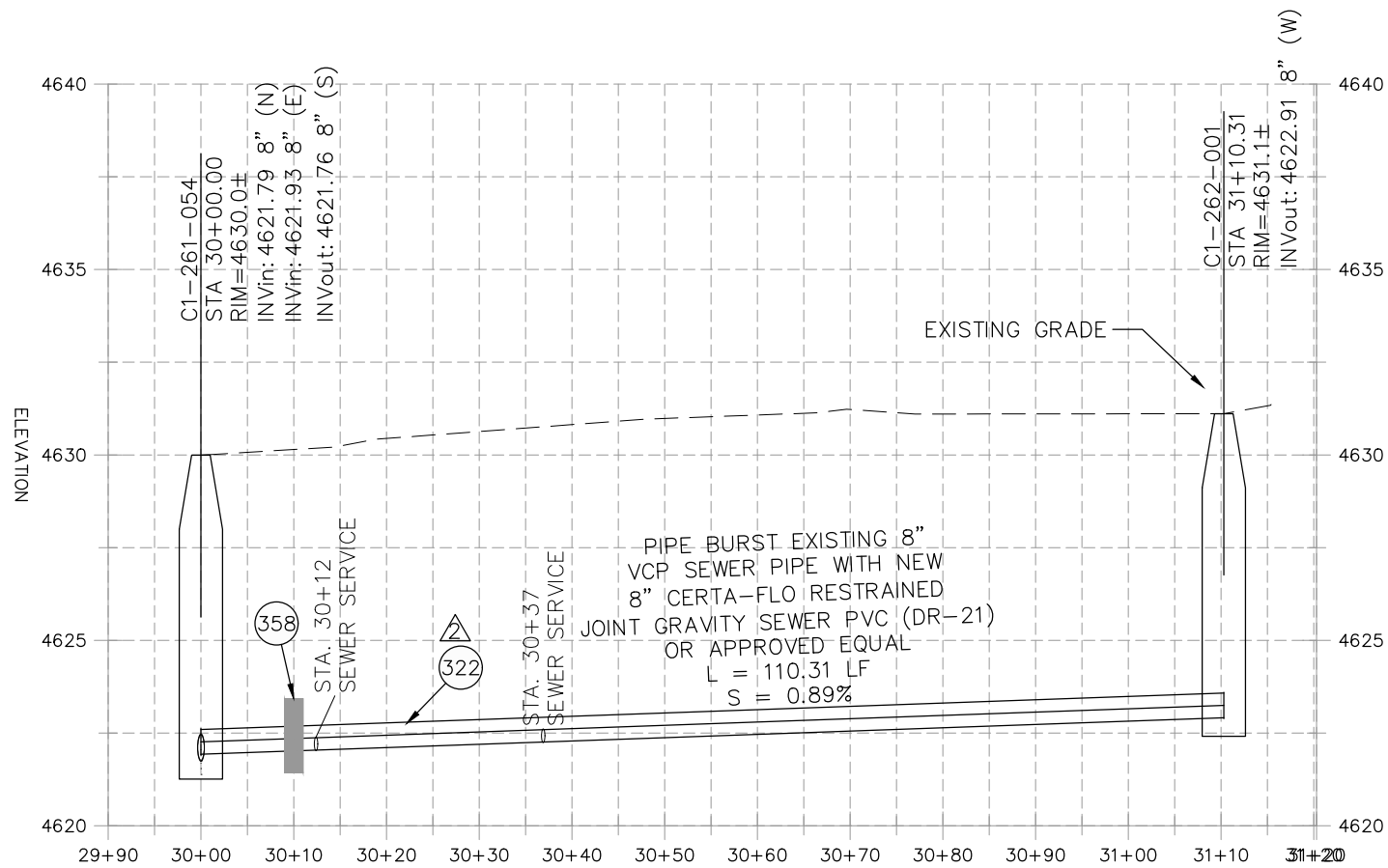


**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ESCALANTE ST & ASPEN ST ALLEY PLAN AND PROFILE
STA 26+00 TO STA 28+17**



- CONSTRUCTION NOTES
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 806 PROTECT FENCE



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

SCALE	DATE
DRAWN BY DJM	04/2021
DESIGNED BY DJM	4/2021
CHECKED BY EM	2021
APPROVED BY KH	2021



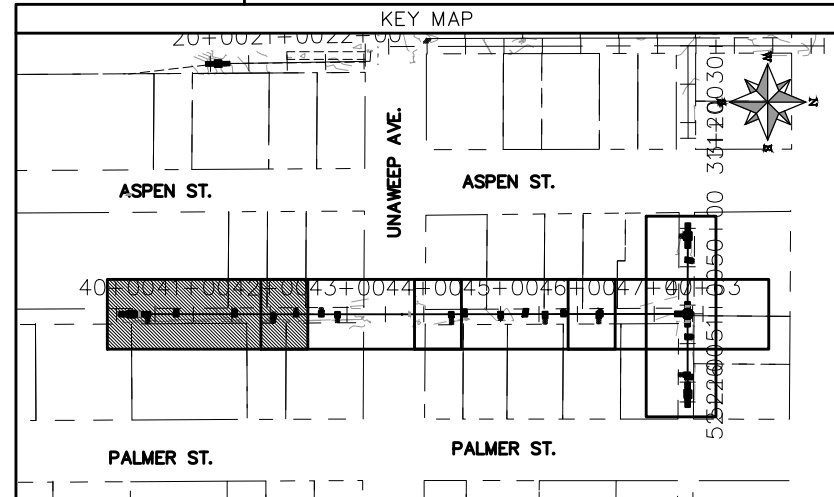
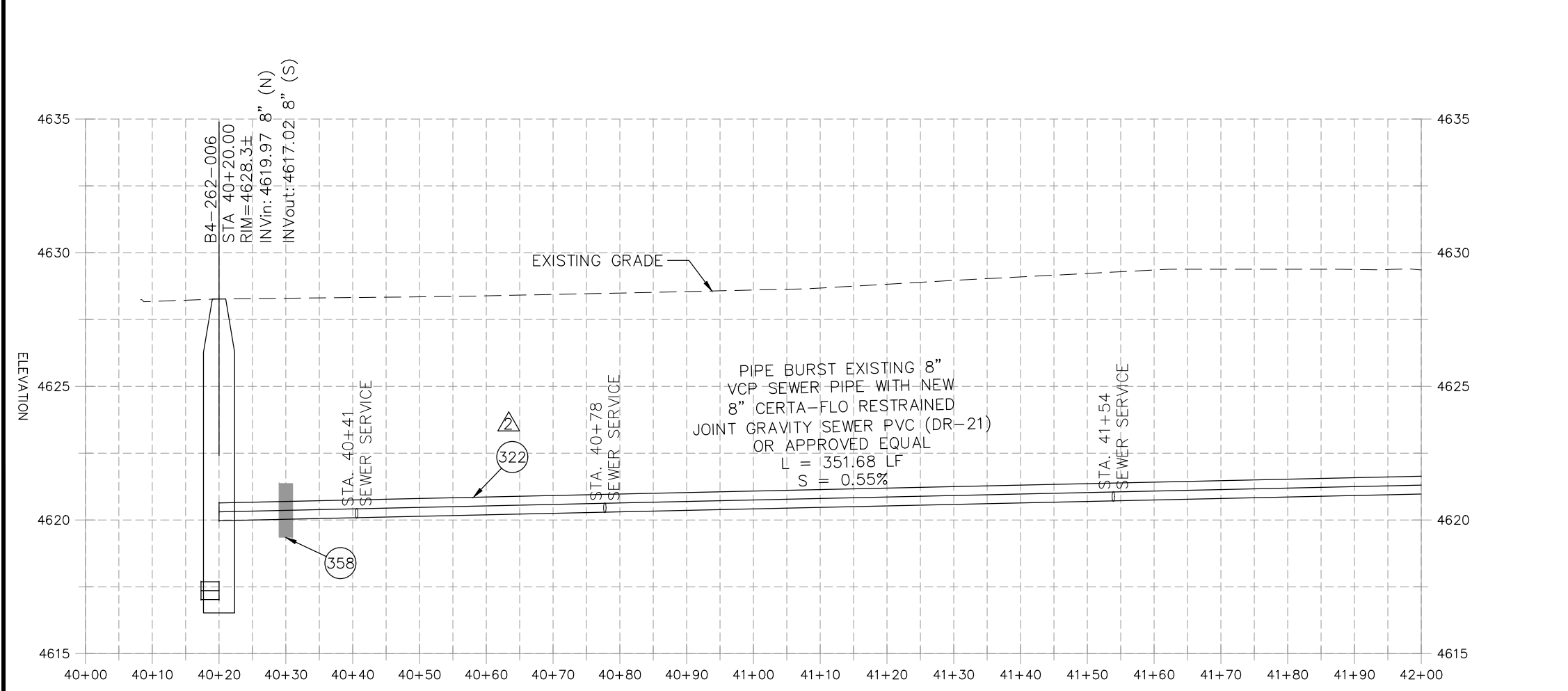
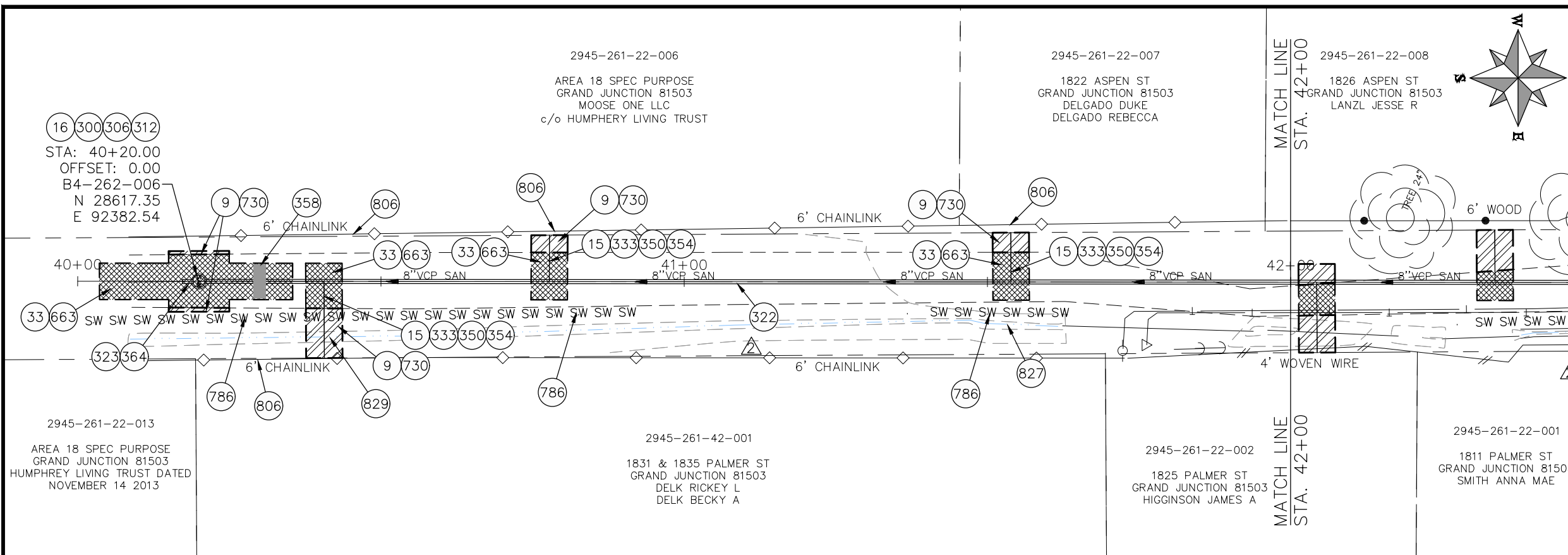
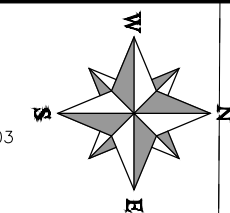
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ESCALANTE ST & ASPEN ST ALLEY PLAN AND PROFILE
STA 30+00 TO STA 31+20**

N:\Landproj\2021 Sewer Replacements - Phase A - Unaweep Ave\60\CAD\00DESIGN\REVISION 2\Escalante Alley.dwg, 7/9/2021 10:6:51 PM, AutoCAD PDF (General Documentation).pc3

CONSTRUCTION NOTES

- 9 202 - REMOVAL OF SOD.
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE
- 33 202 - REMOVE EXISTING SURFACE MATERIAL
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
- 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODEUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
- 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
- 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
- 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
- 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-06). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-06).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
- 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
- 786 208 - EROSION CONTROL LOG
- 806 PROTECT FENCE
- 827 PROTECT IRRIGATION DITCH
- 829 PROTECT IRRIGATION DITCH FLOW. COST IS INCIDENTAL TO COST OF CONSTRUCTION.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

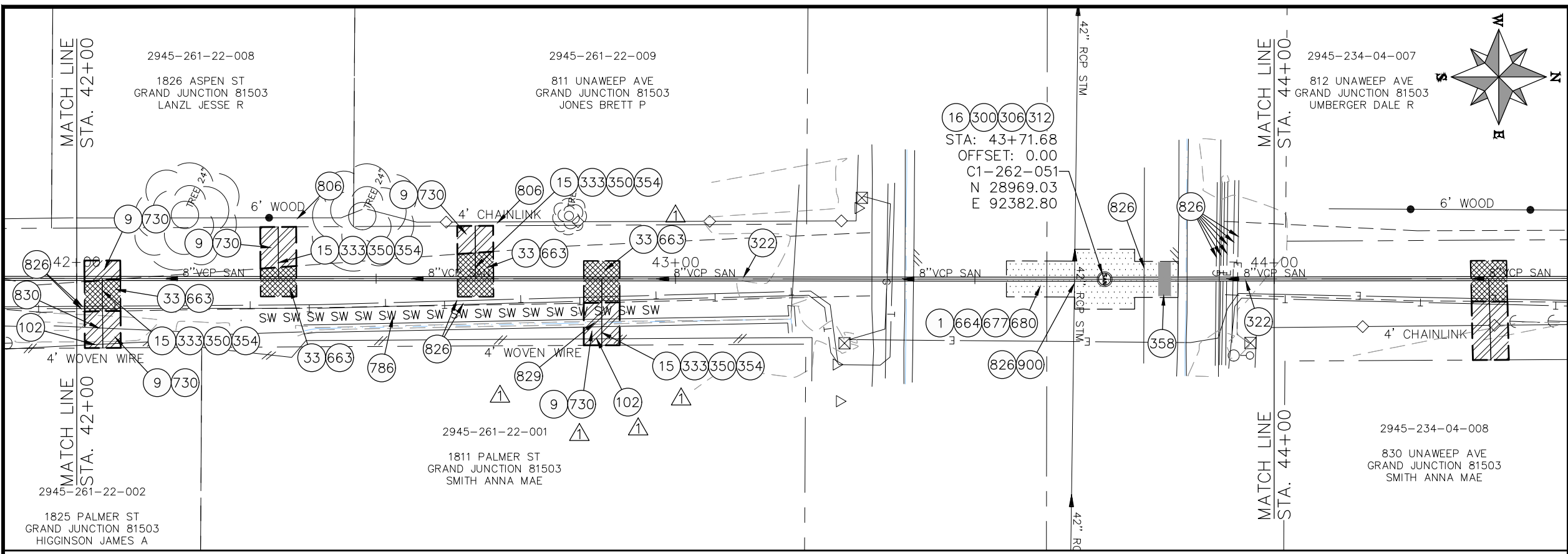
SCALE	DESCRIPTION
HORIZONTAL: 1" = 20'	PLAN & PROFILE
VERTICAL: 1" = 5'	PROFILE



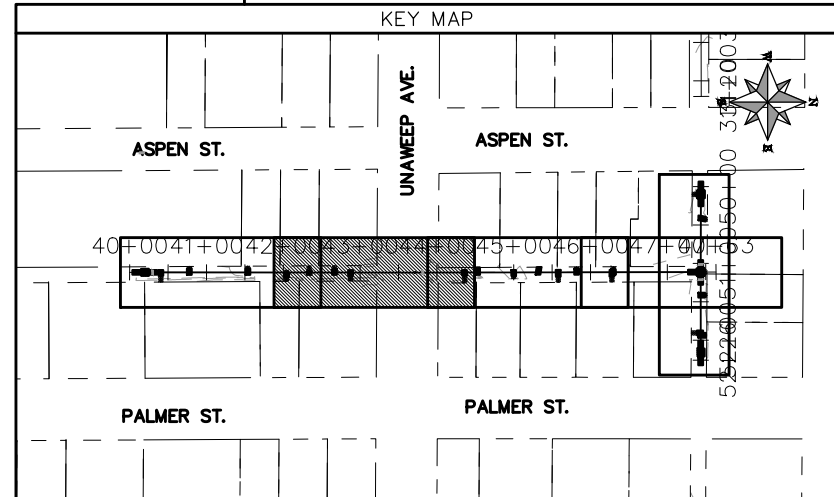
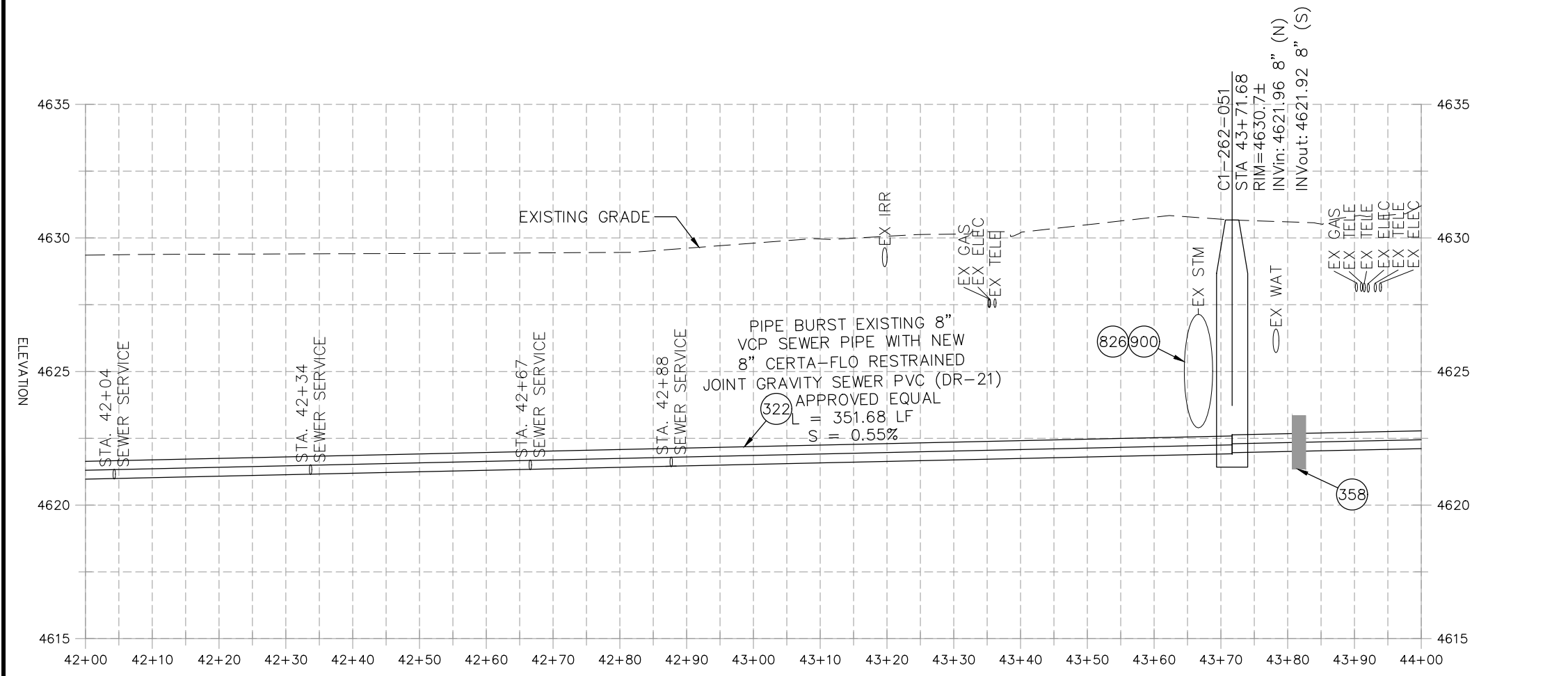
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ASPEN ST & PALMER ST ALLEY PLAN AND PROFILE
STA 40+00 TO STA 42+00**

N:\Landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\Aspen Alley.dwg, 7/9/2021 1:08:04 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-06). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-06).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 786 EROSION CONTROL LOG
 - 806 PROTECT FENCE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.
 - 829 PROTECT IRRIGATION CULVERT. COST IS INCIDENTAL TO COST OF CONSTRUCTION.
 - 830 PROTECT GUY WIRE AND POWER POLE.
 - 900 CONTRACTOR AND CITY TO VERIFY INVERT ELEVATION OF EXISTING CITY SEWER. CONTRACTOR SHALL ENCASE SANITARY SEWER PIPE (PER CITY SPECIFICATION GU-04). POT HOLING REQUIRED.



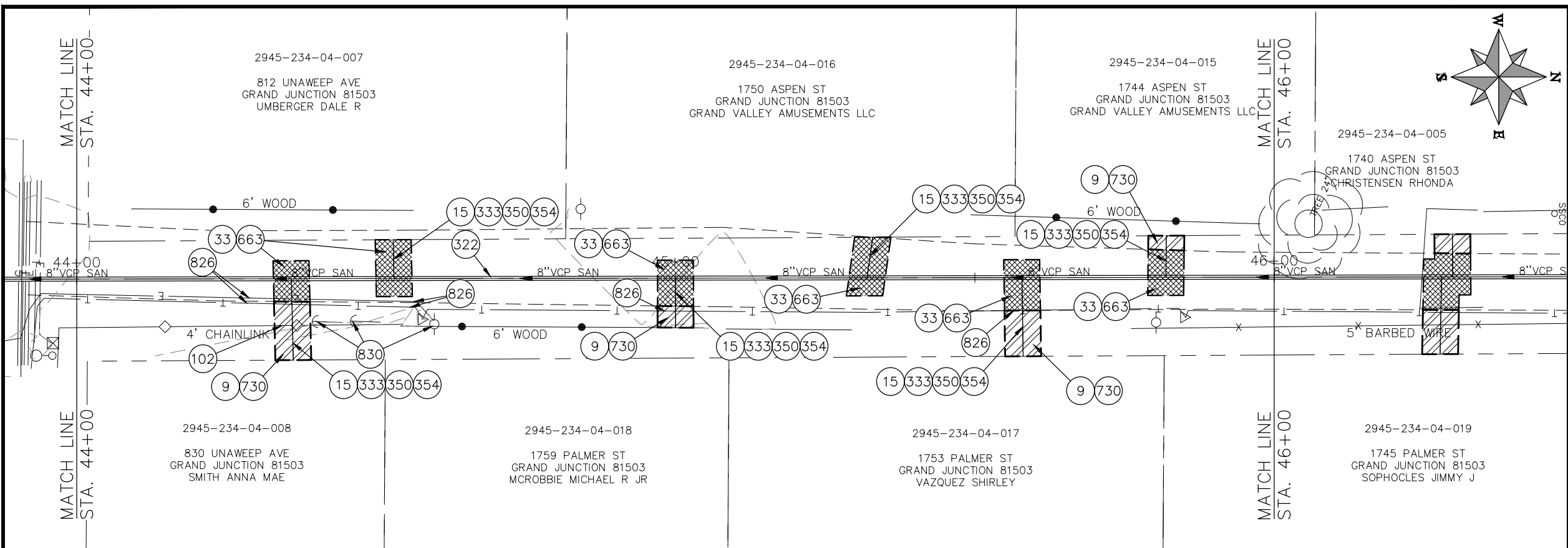
REVISION	DESCRIPTION	DATE	PROJECT NO.	SCALE: PLAN & PROFILE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	HORIZONTAL: 1" = 20'
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	DRAWN BY DJM DATE 04/2021	5 10 20
REVISION Δ	XXX	202X	DESIGNED BY DJM DATE 4/2021	VERTICAL: 1" = 5'
REVISION Δ	XXX	202X	CHECKED BY EM DATE 2021	0 1.25 2.5 5
			APPROVED BY KH DATE 2021	



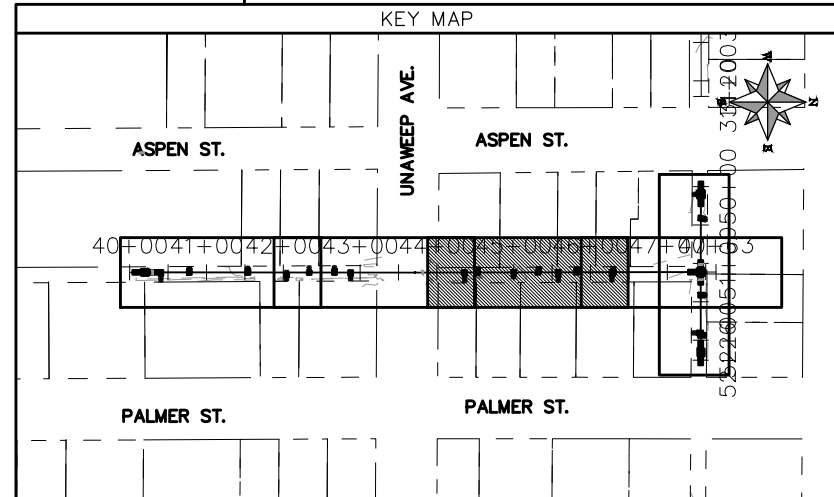
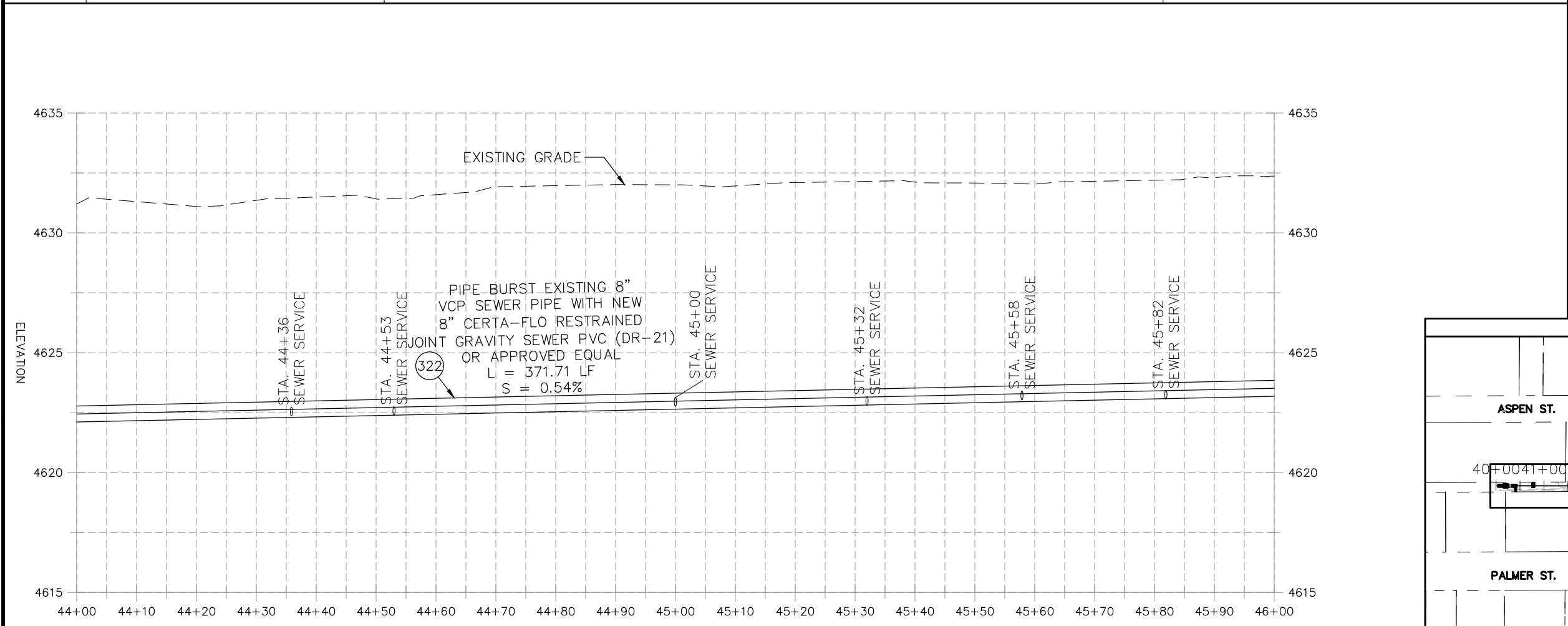
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ASPEN ST & PALMER ST ALLEY PLAN AND PROFILE
STA 42+00 TO STA 44+00**

N:\landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\Aspen Alley.dwg, 7/9/2021 1:08:47 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- (3) 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - (9) 202 - REMOVAL OF SOD.
 - (15) 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - (33) 202 - REMOVE EXISTING SURFACE MATERIAL
 - (102) 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - (322) 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS)
 - (333) 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - (350) 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - (354) 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-06). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-06).
 - (663) 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - (730) 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - (826) PROTECT EXISTING UTILITY LINE IN PLACE.
 - (630) PROTECT GUY WIRE AND POWER POLE



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ XXX	202X	04/2021	----	04/2021
REVISION Δ UPDATES TO PLAN AND PROFILES.	07/2021	4/2021		4/2021
REVISION Δ XXX	202X	2021		2021
REVISION Δ XXX	202X	2021		2021

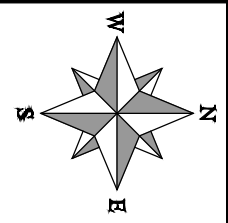
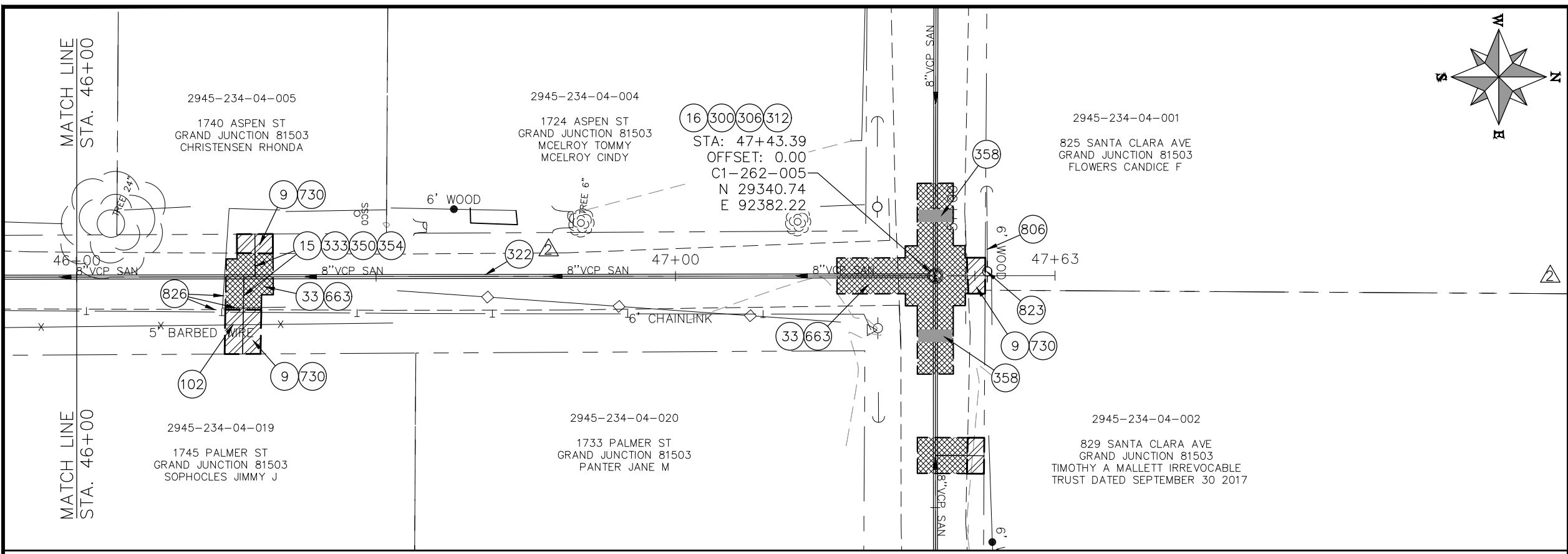
SCALE	DATE
HORIZONTAL: 1" = 20'	04/2021
VERTICAL: 1" = 5'	04/2021



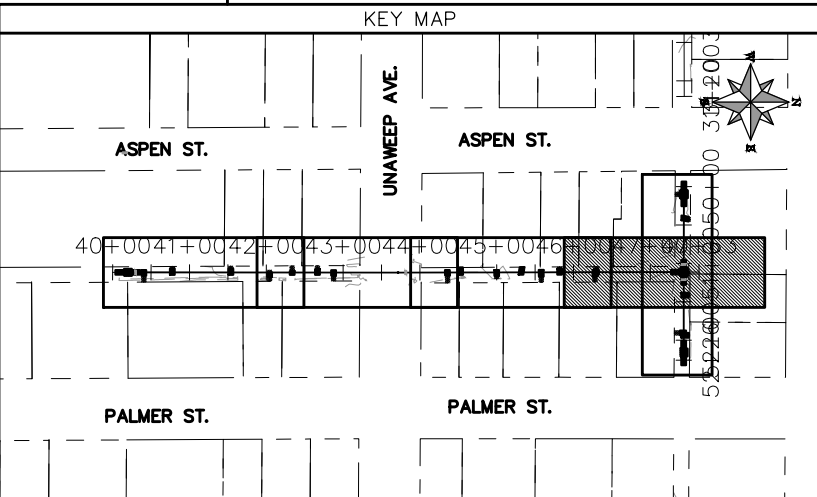
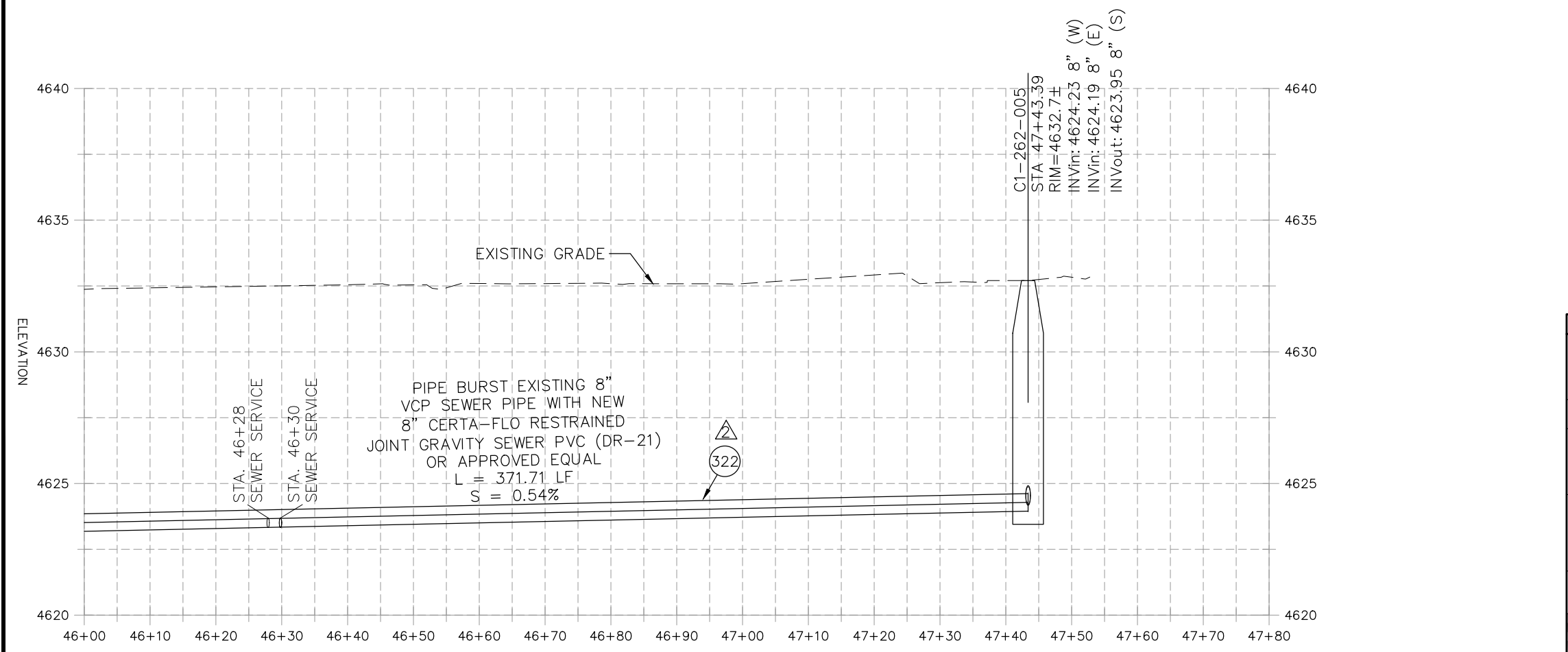
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ASPEN ST & PALMER ST ALLEY PLAN AND PROFILE
STA 44+00 TO STA 46+00**

N:\landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\Aspen Alley.dwg, 7/9/2021 1:09:27 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-06). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-06).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 806 PROTECT FENCE
 - 823 PROTECT UTILITY POLE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE



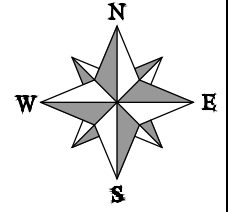
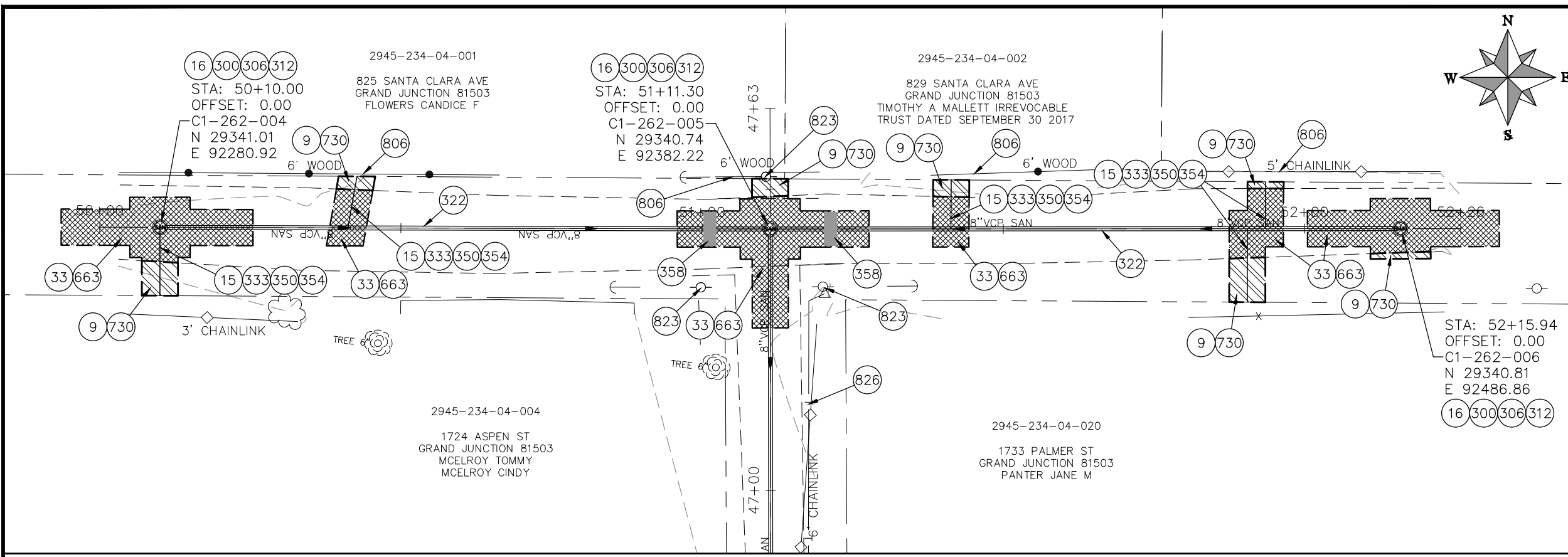
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

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

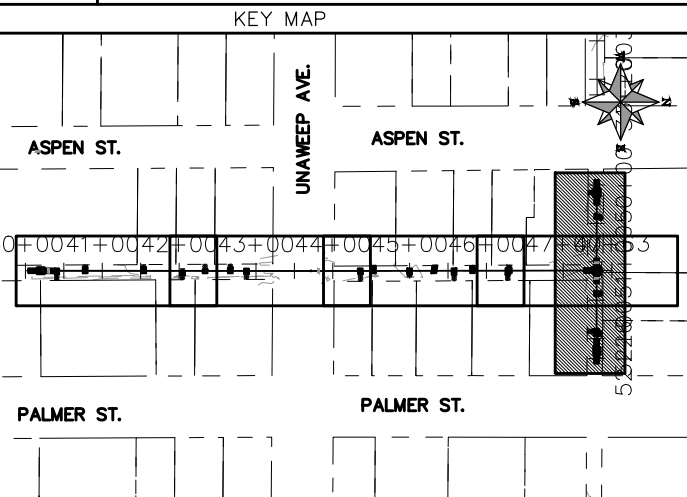
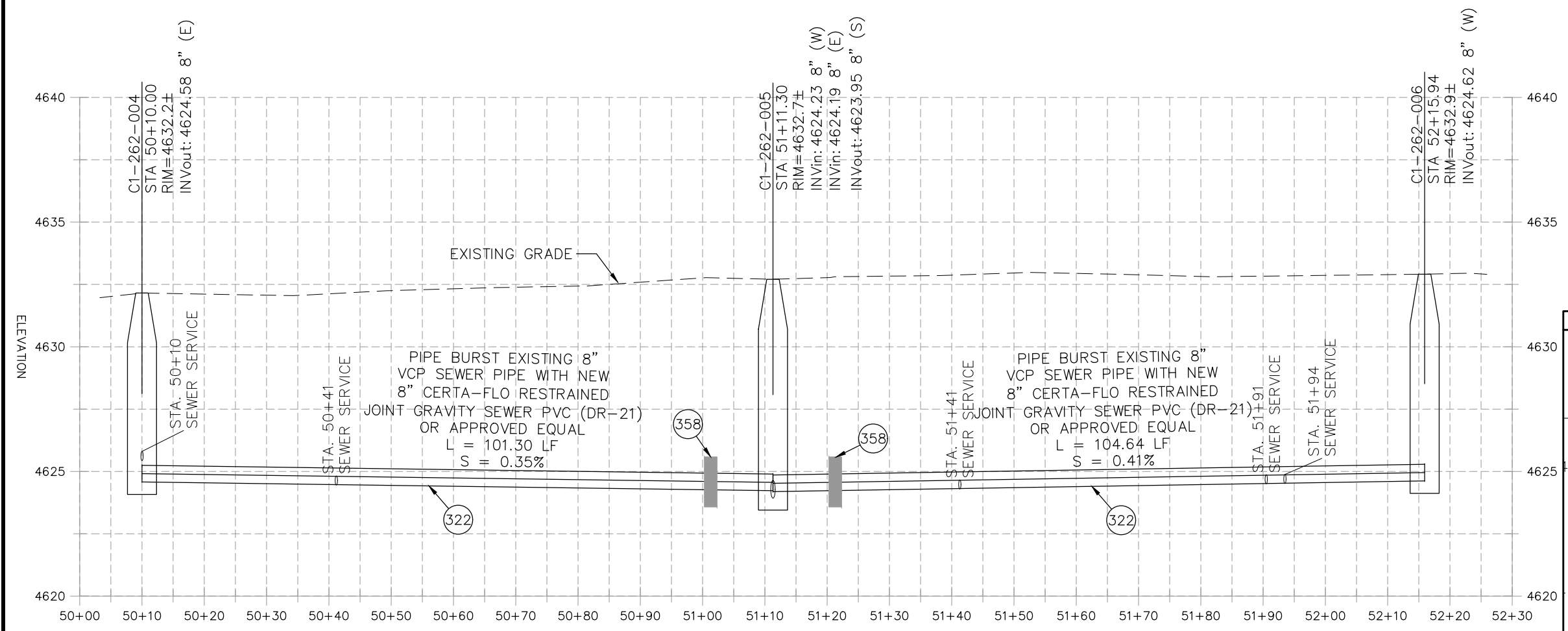


PUBLIC WORKS
ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT - PHASE A
ASPEN ST & PALMER ST ALLEY PLAN AND PROFILE
STA 46+00 TO STA 47+63



- CONSTRUCTION NOTES**
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODEUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-06). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-06).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 806 PROTECT FENCE
 - 823 PROTECT UTILITY POLE



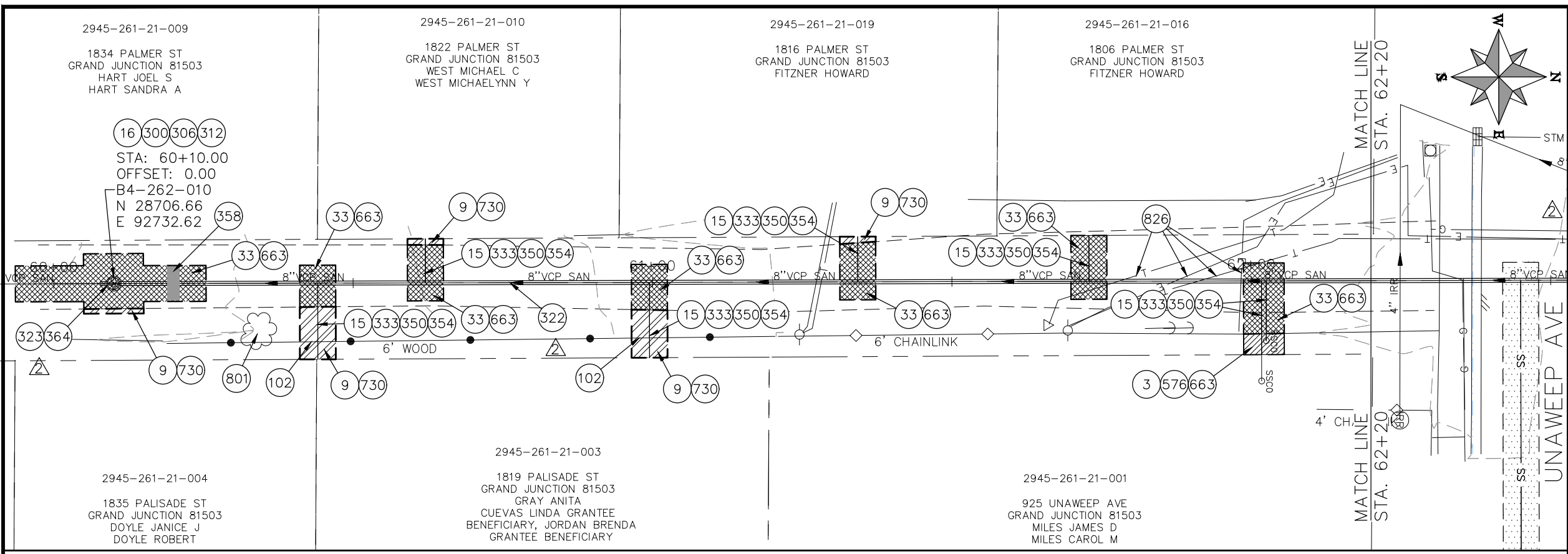
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION A	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION B	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION C	XXX	202X	----	2021
REVISION D	XXX	202X	----	2021

SCALE	DESCRIPTION
HORIZONTAL: 1" = 20'	PLAN & PROFILE
VERTICAL: 1" = 5'	PROFILE

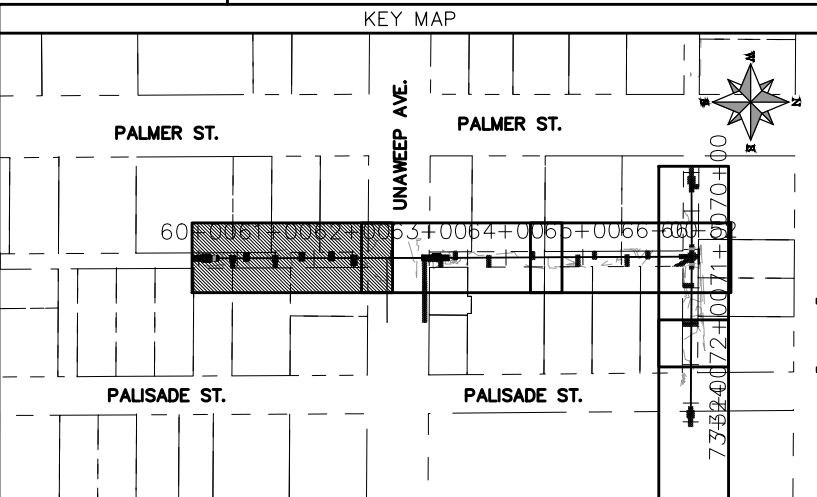
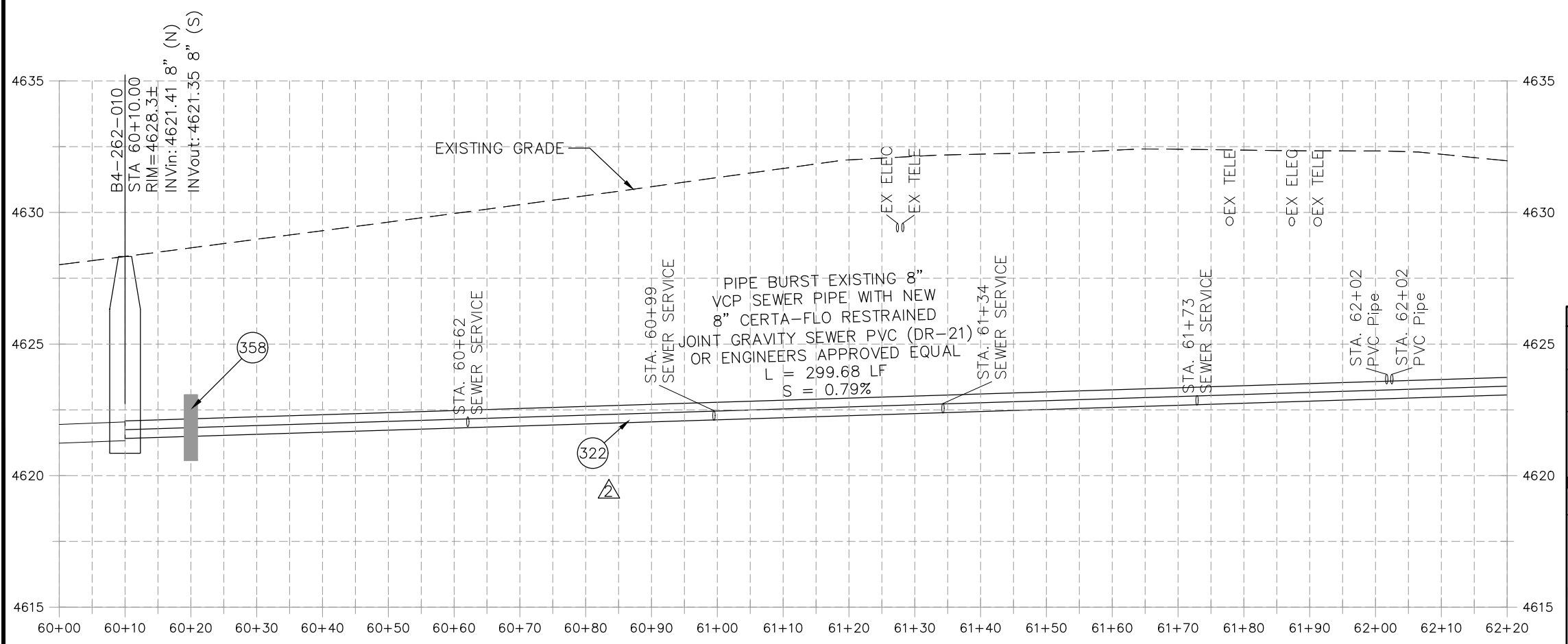


**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ASPEN ST & PALMER ST ALLEY PLAN AND PROFILE
STA 50+00 TO STA 52+30**



- ### CONSTRUCTION NOTES
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 576 608.06 - CONCRETE DRIVEWAY SECTION (6" THICK) (RESIDENTIAL)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 801 PROTECT TREE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



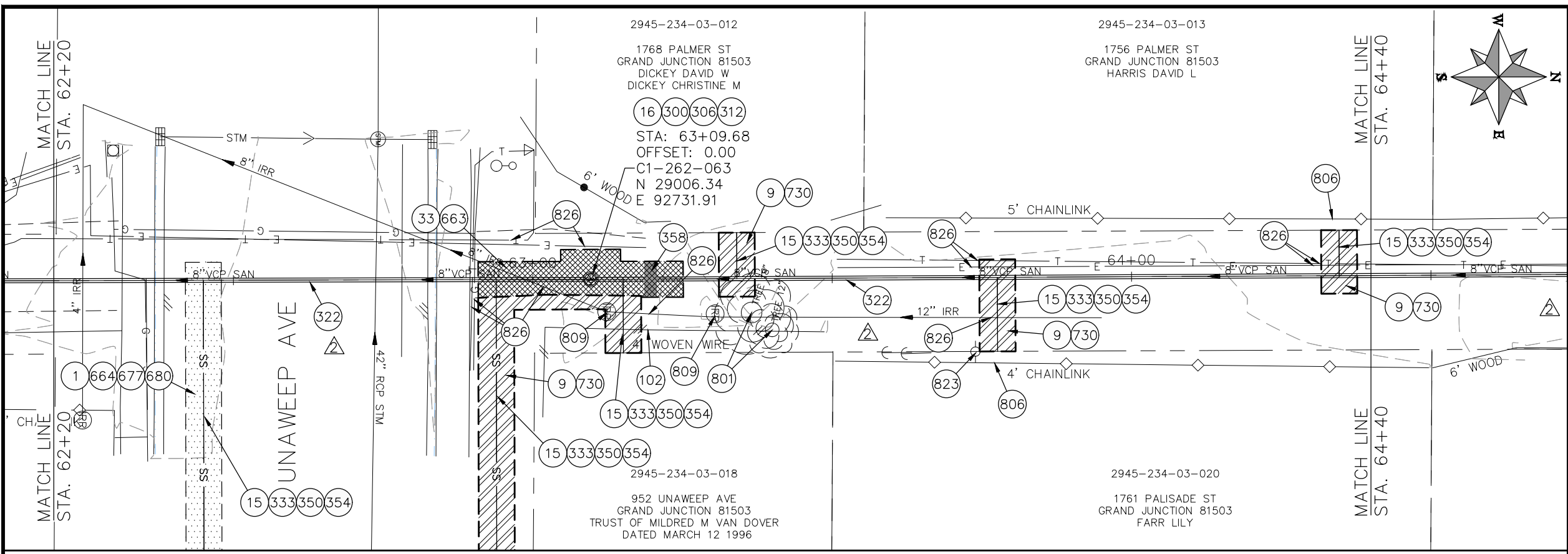
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

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

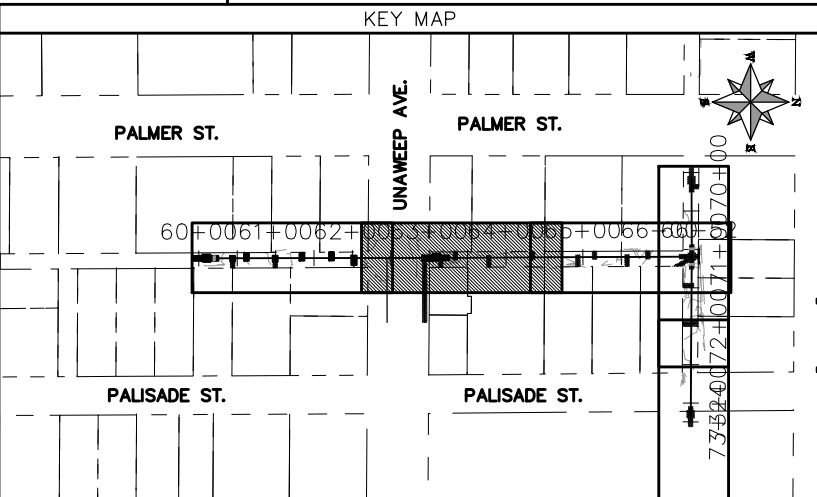
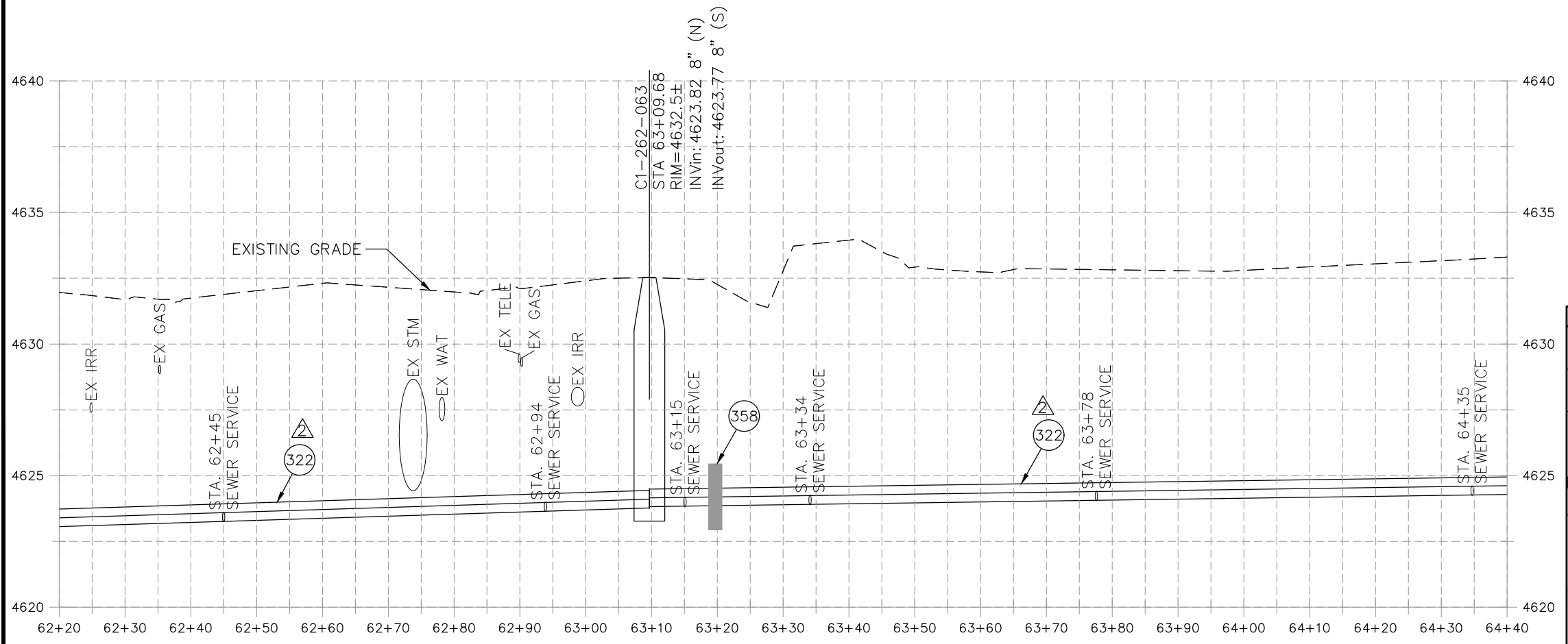


PUBLIC WORKS
ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT - PHASE A
PALMER ST & PALISADE ST ALLEY PLAN AND PROFILE
STA 60+00 TO STA 62+20



- ### CONSTRUCTION NOTES
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL. BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 801 PROTECT TREE
 - 806 PROTECT FENCE
 - 809 PROTECT MANHOLE
 - 823 PROTECT UTILITY POLE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



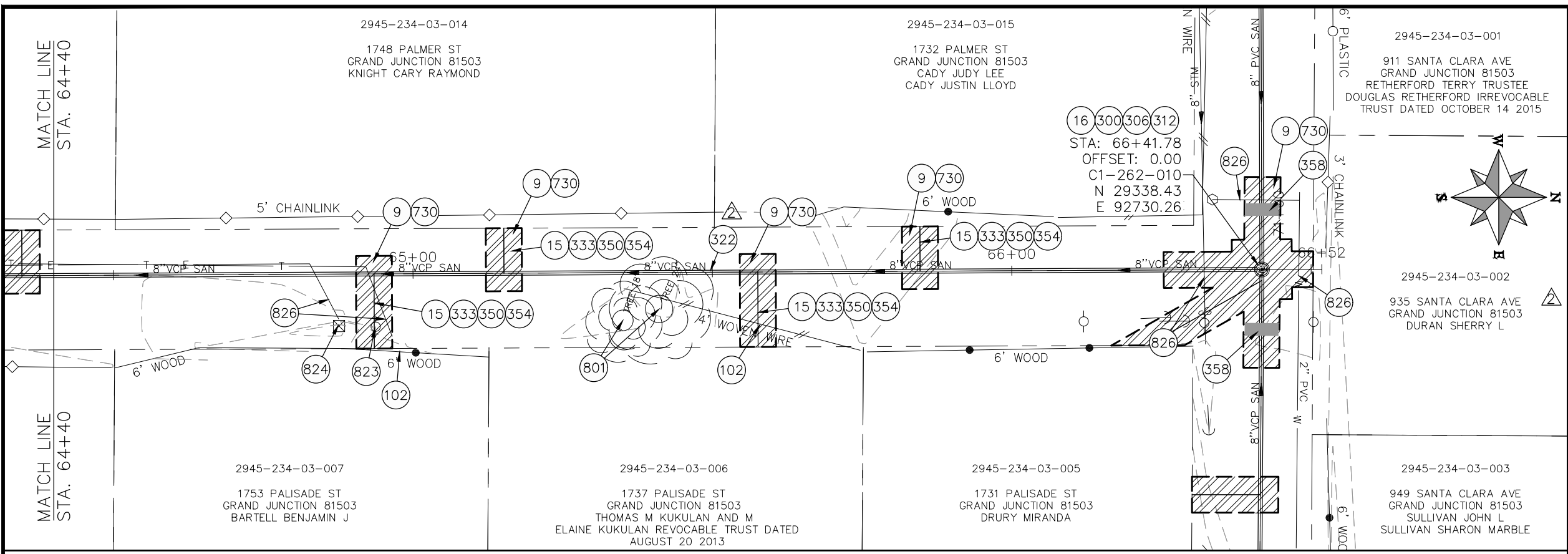
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	---	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	---	4/2021
REVISION Δ	XXX	202X	---	2021
REVISION Δ	XXX	202X	---	2021

SCALE: PLAN & PROFILE
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'

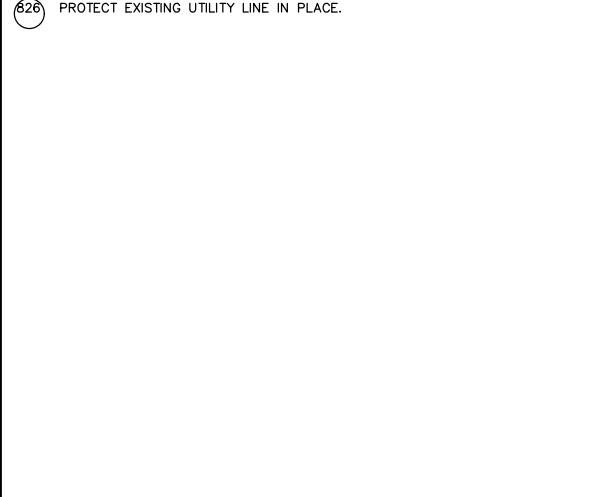
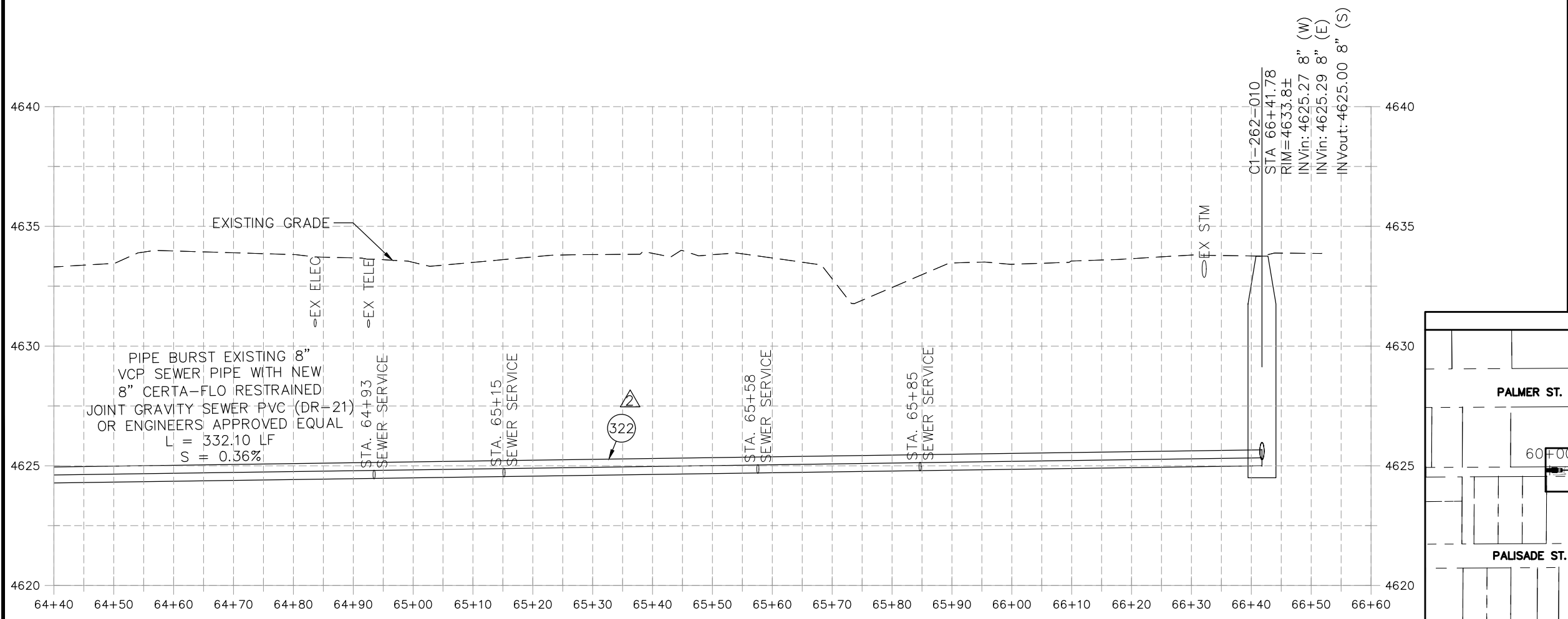


**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
PALMER ST & PALISADE ST ALLEY PLAN AND PROFILE
STA 62+20 TO STA 64+40**



- CONSTRUCTION NOTES**
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 801 PROTECT TREE
 - 823 PROTECT UTILITY POLE
 - 824 PROTECT UTILITY PEDESTAL
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



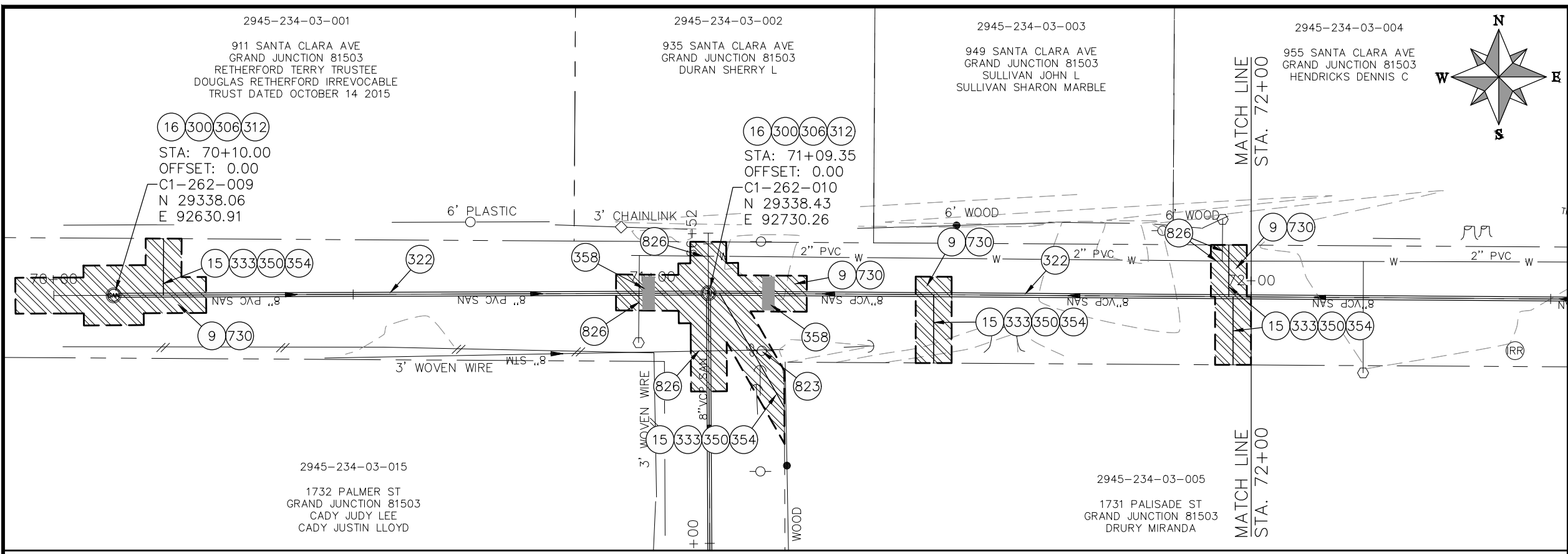
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

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

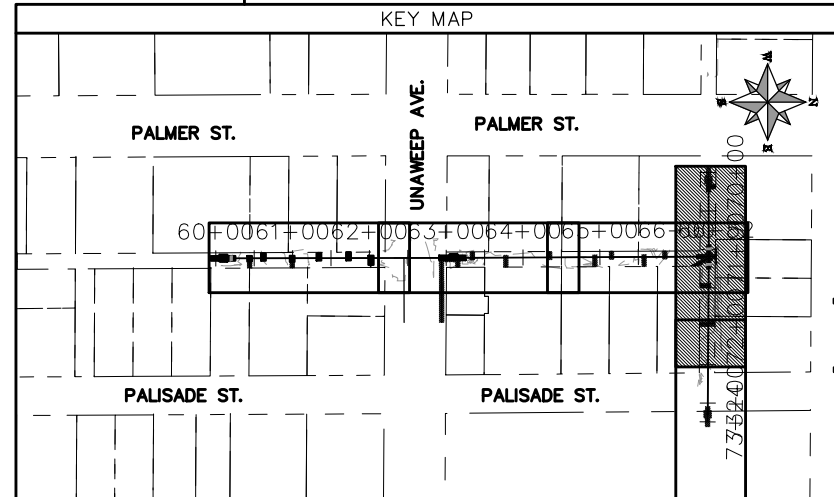
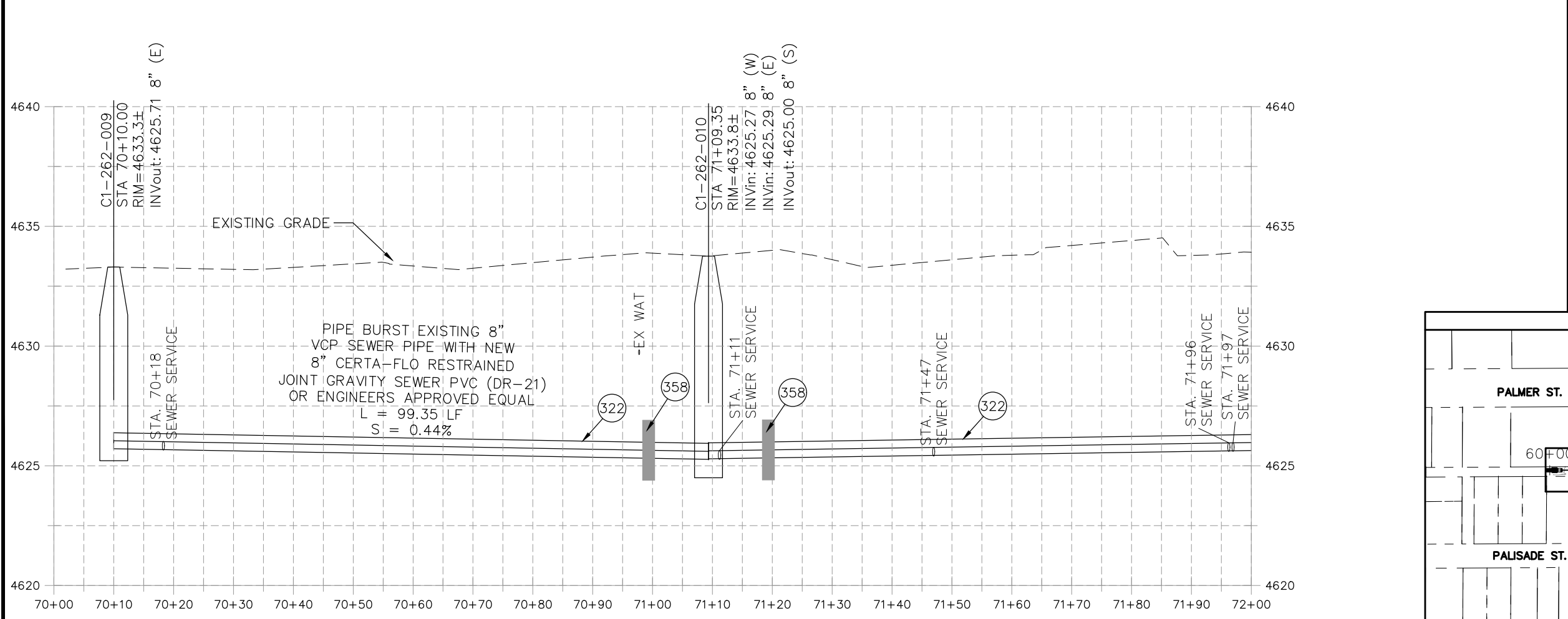


**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
PALMER ST & PALISADE ST ALLEY PLAN AND PROFILE
STA 64+40 TO STA 66+52**



- CONSTRUCTION NOTES**
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 823 PROTECT UTILITY POLE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



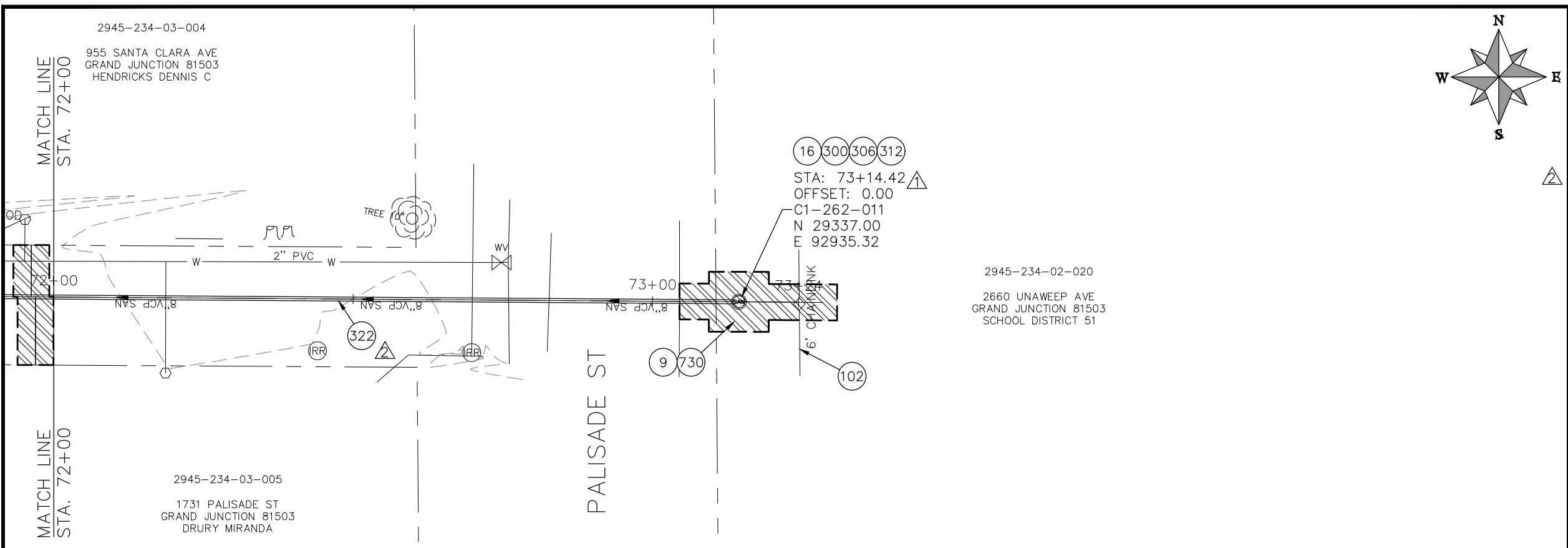
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

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

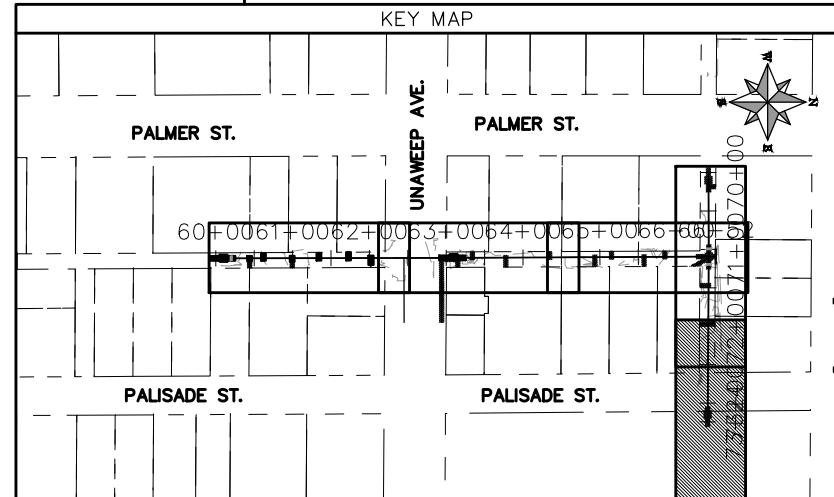
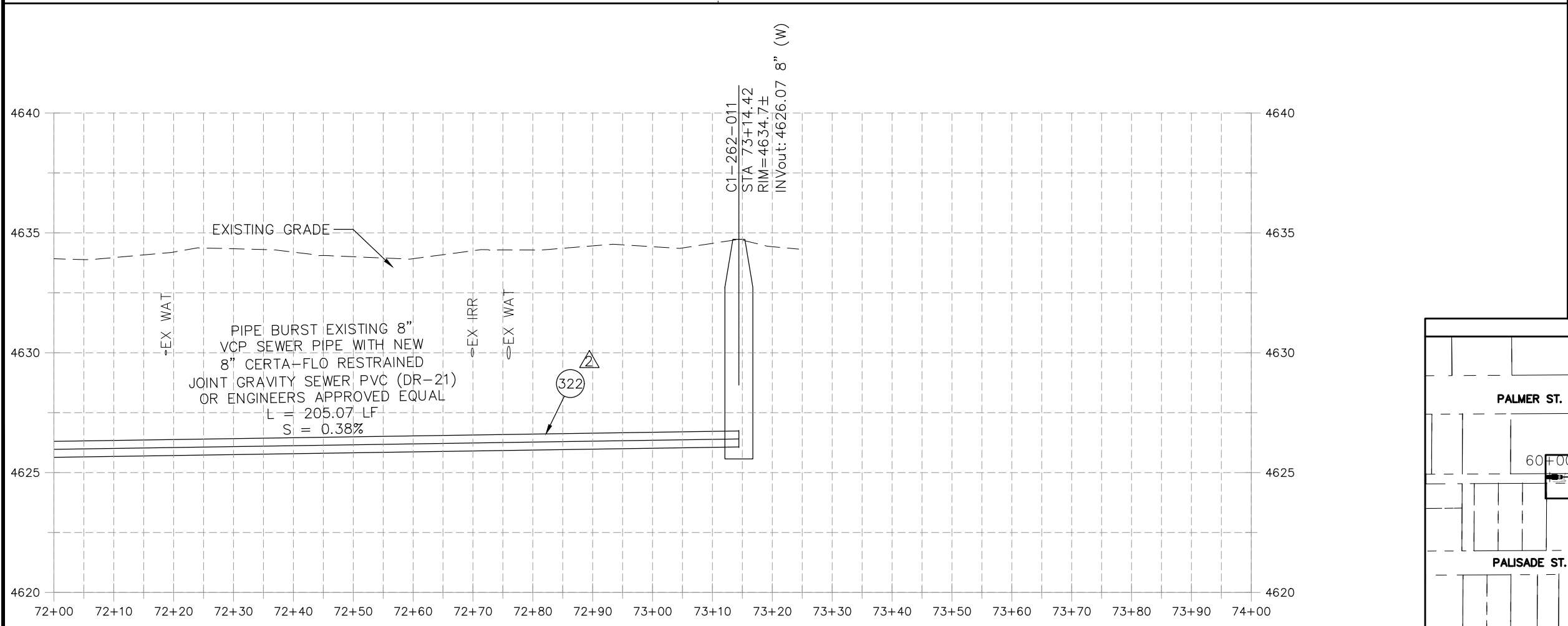
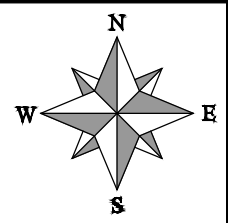


**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
PALMER ST & PALISADE ST ALLEY PLAN AND PROFILE
STA 70+00 TO 72+00**



- CONSTRUCTION NOTES
- ⑨ 202 - REMOVAL OF SOD.
 - ⑩ 202 - REMOVAL OF MANHOLE
 - ⑬ 202 - REMOVE EXISTING SURFACE MATERIAL
 - ⑩② 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - ⑩③ 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.), INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - ⑩⑥ 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
 - ⑩⑩ 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - ⑩⑩② 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - ⑩⑩③ 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

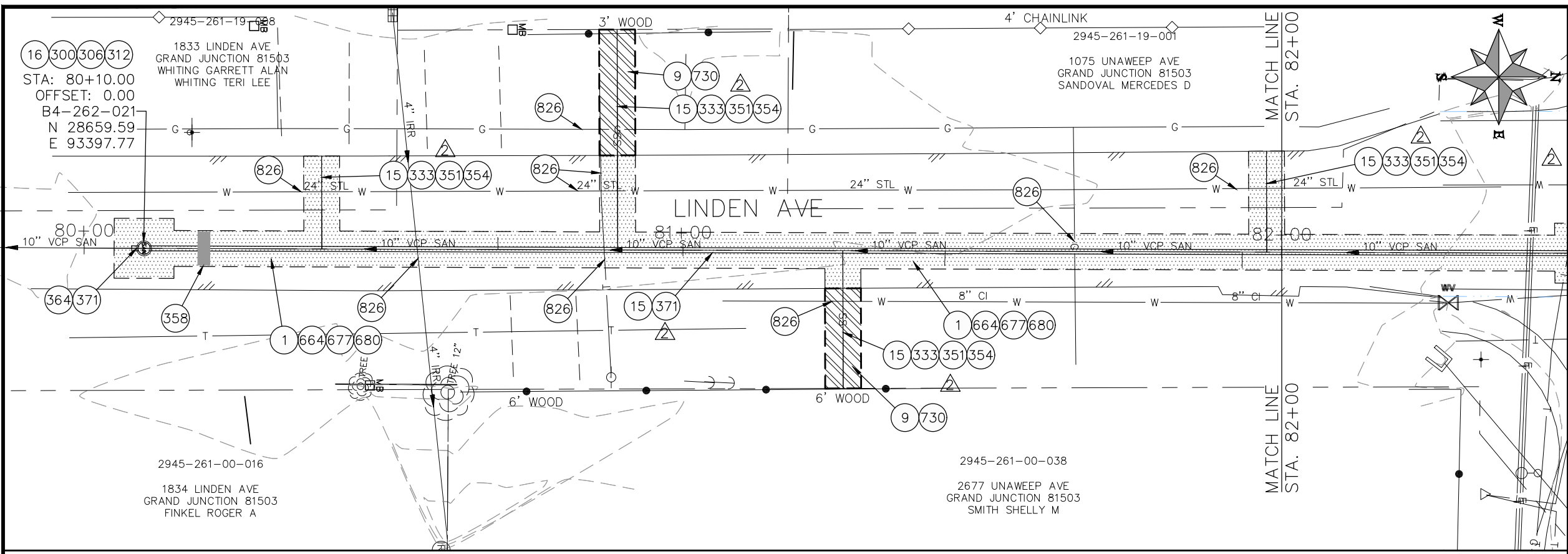
SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



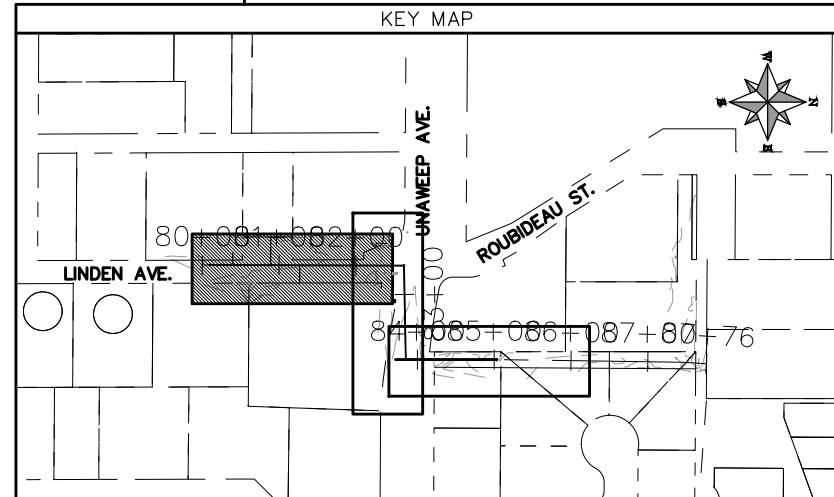
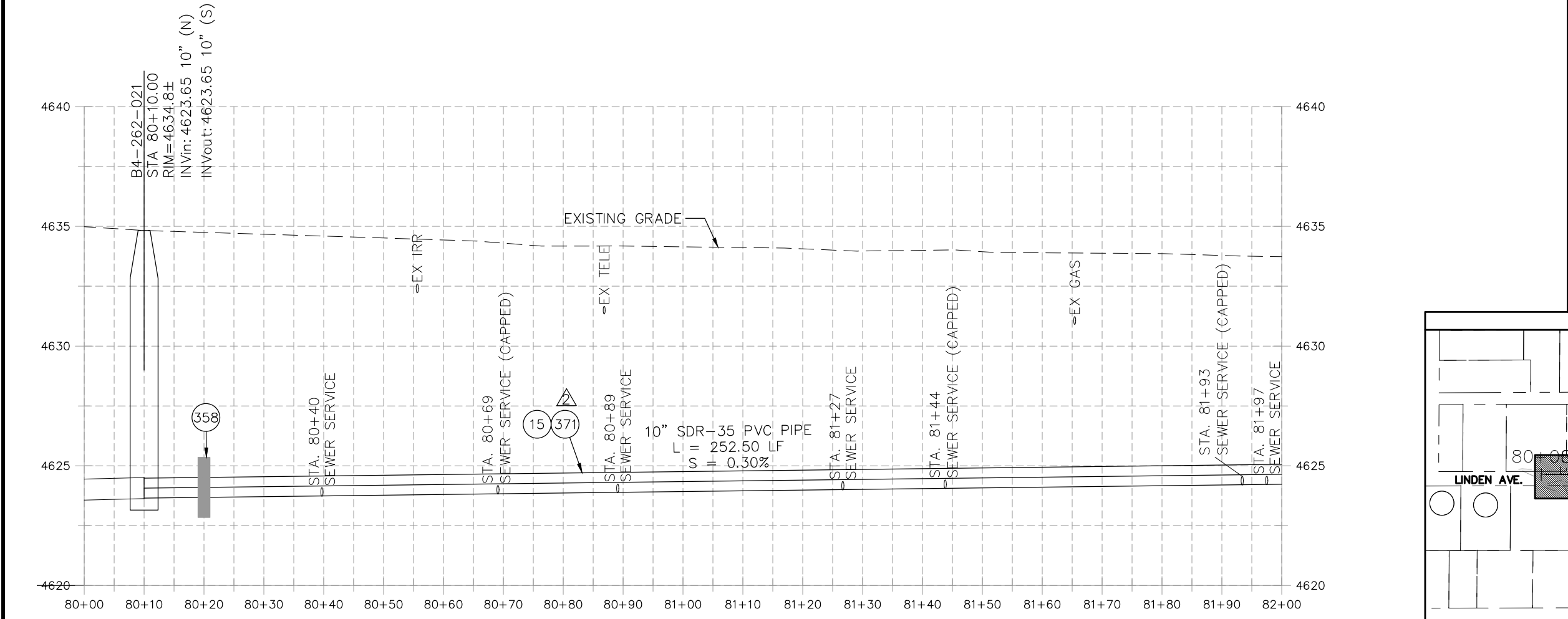
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
PALMER ST & PALISADE ST ALLEY PLAN AND PROFILE
STA 72+00 TO STA 73+24**

N:\landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60\CAD\00DESIGN\REVISION 2\Palmer Alley.dwg, 7/9/2021 1:14:28 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 351 10"x4" SEWER SERVICE TAP, FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 371 102.9/108.2 - 10" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



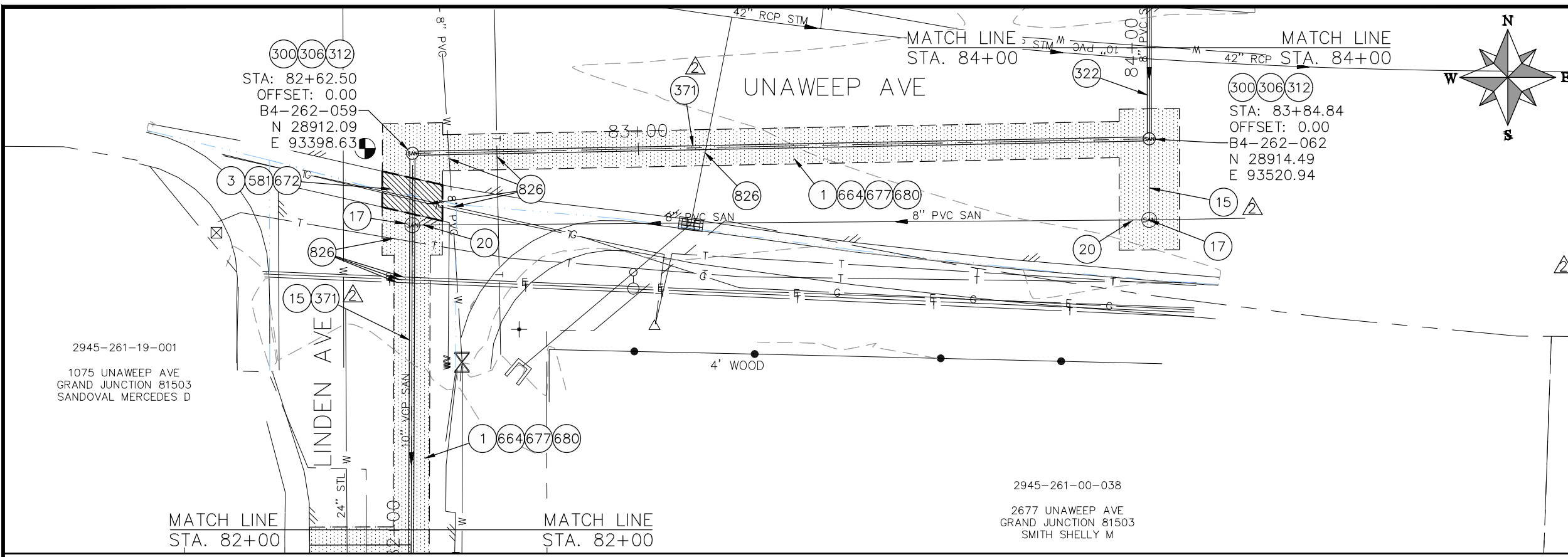
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

SCALE	DATE	DATE
DRAWN BY DJM	04/2021	04/2021
DESIGNED BY DJM	4/2021	4/2021
CHECKED BY EM	2021	2021
APPROVED BY KH	2021	2021

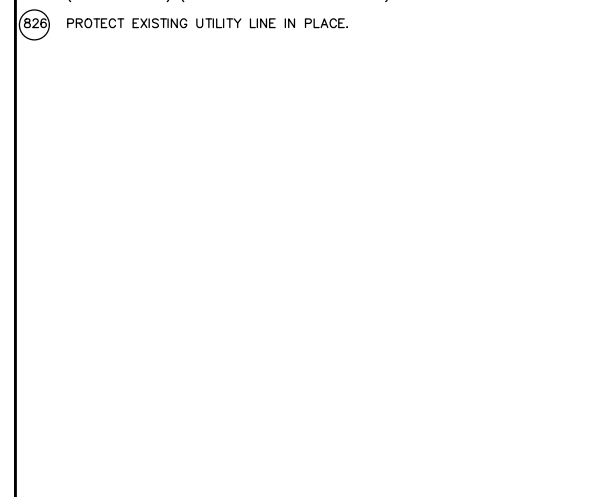
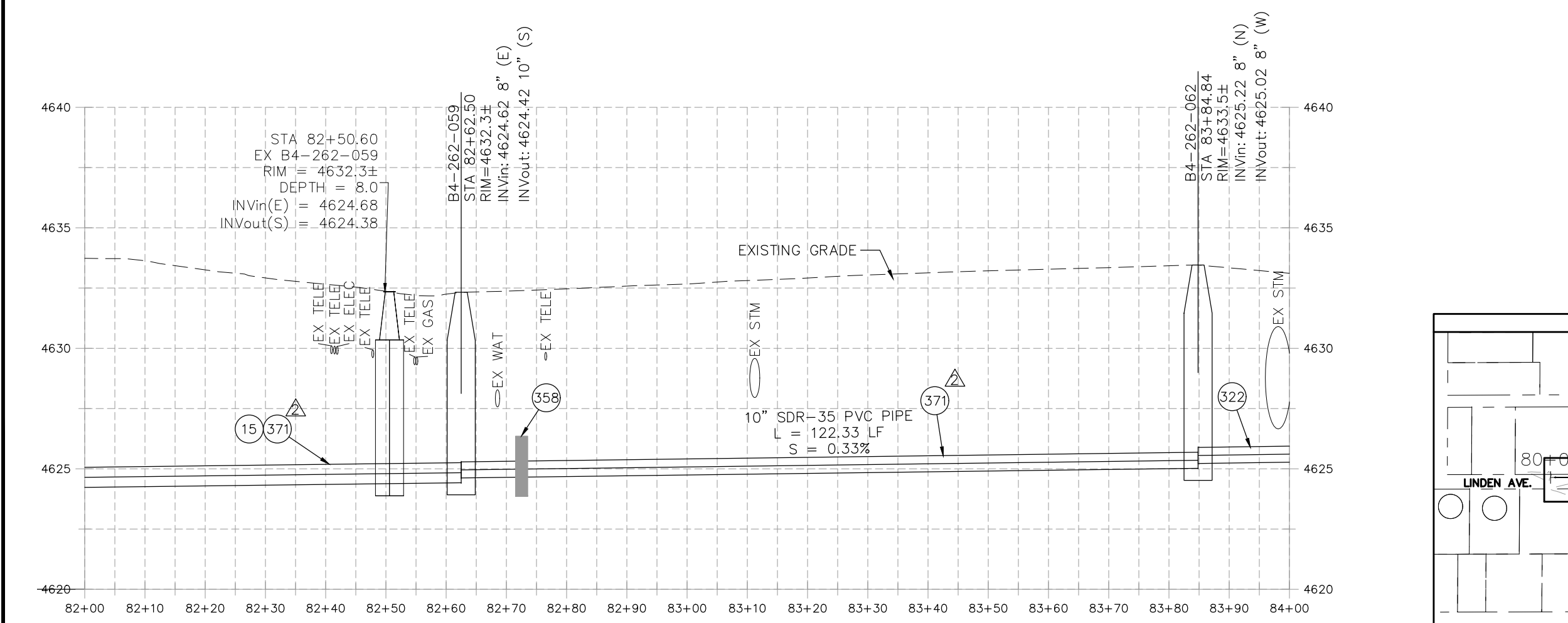
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
LINDEN AVE PLAN AND PROFILE
STA 80+00 TO STA 82+00**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\00DESIGN\REVISION 2\LINDEN AVE.dwg, 7/9/2021 3:11:10 PM, AutoCAD PDF (General Documentation).pc3



- ### CONSTRUCTION NOTES
- ① 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - ③ 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - ⑮ 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - ⑰ 202 - REMOVE MANHOLE CONE SECTION, RING, AND COVER. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS. CONTRACTOR SHALL FILL REMAINING BARREL SECTIONS WITH FLOW FILL MATERIAL.
 - ⑳ 202 - ABANDON PIPE. ABANDON BY PLUGGING REMAINING ENDS WITH CONCRETE.
 - ③00 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - ③06 102.11/108.5 - MANHOLE BARREL SECTION (D>S) (48" I.D.).
 - ③12 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - ③22 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - ③58 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - ③71 102.9/108.2 - 10" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - ⑤81 608.06 - CONCRETE DRAINAGE PAN (6' WIDE)
 - ⑥64 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - ⑥72 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - ⑥77 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - ⑥80 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - ⑧26 PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

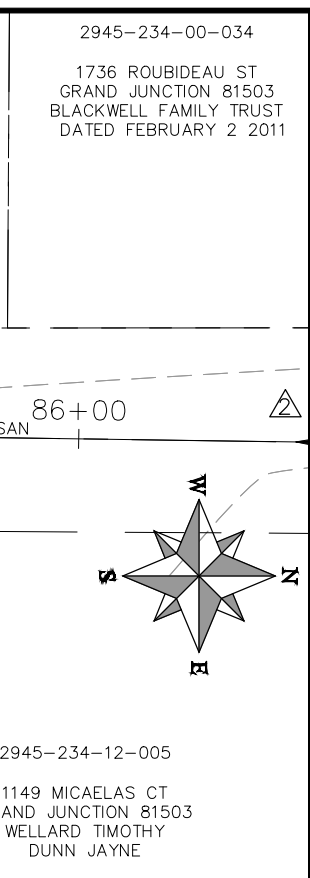
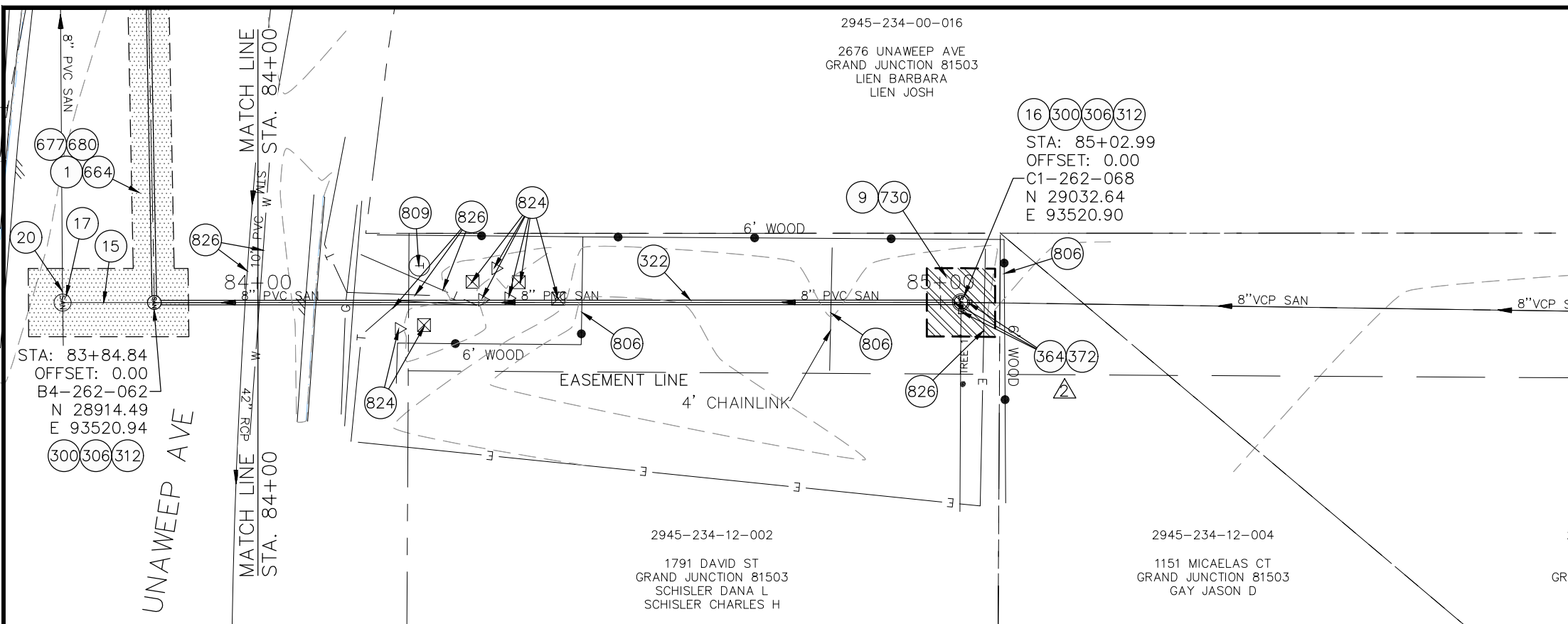
SCALE	SCALE
HORIZONTAL: 1" = 20'	VERTICAL: 1" = 5'
0 5 10 20	0 1.25 2.5 5



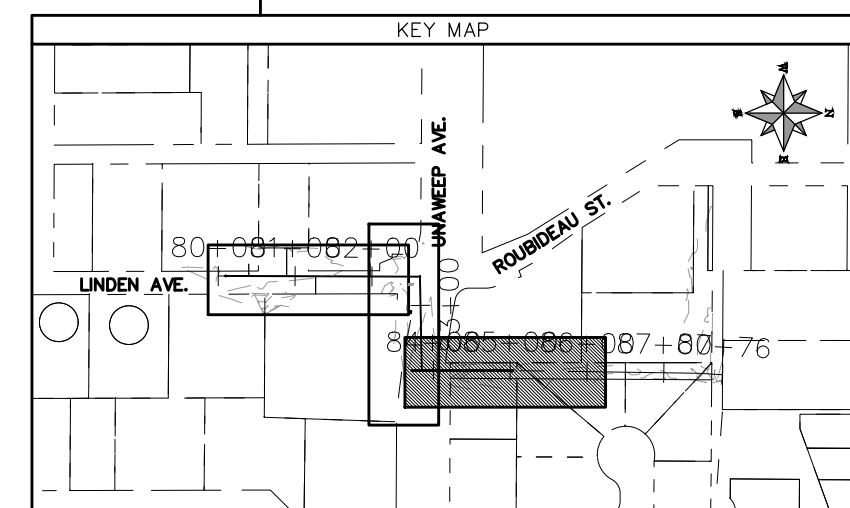
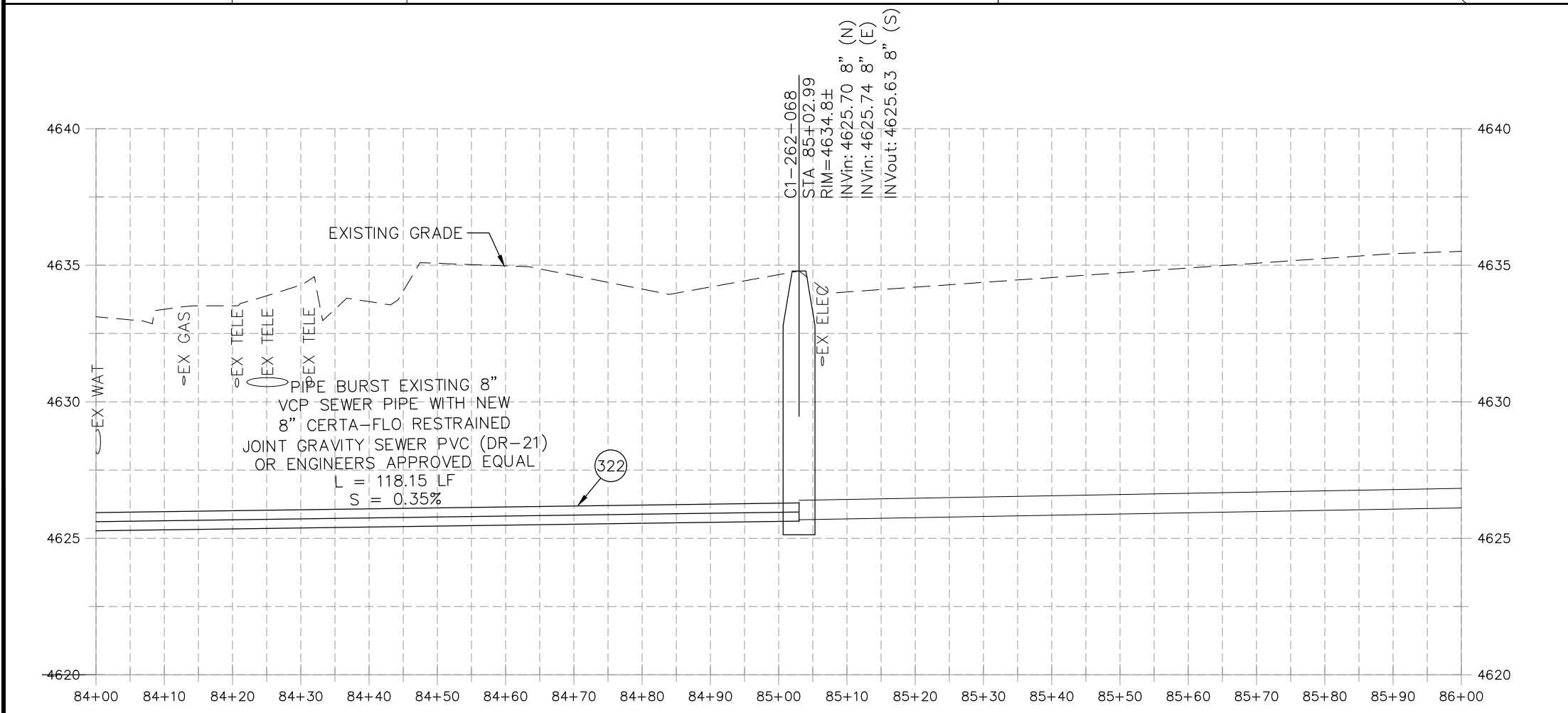
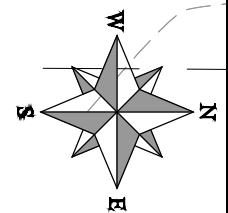
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
LINDEN AVE PLAN AND PROFILE
STA 82+00 TO STA 84+00**

N:\Landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\LINDEN AVE.dwg, 7/9/2021 1:16:02 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 9 202 - REMOVAL OF SOD
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 17 202 - REMOVE MANHOLE CONE SECTION, RING, AND COVER. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS. CONTRACTOR SHALL FILL REMAINING BARREL SECTIONS WITH FLOW FILL MATERIAL.
 - 20 202 - ABANDON PIPE. ABANDON BY PLUGGING REMAINING ENDS WITH CONCRETE.
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 372 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 806 PROTECT FENCE
 - 809 PROTECT MANHOLE
 - 824 PROTECT UTILITY PEDESTAL
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



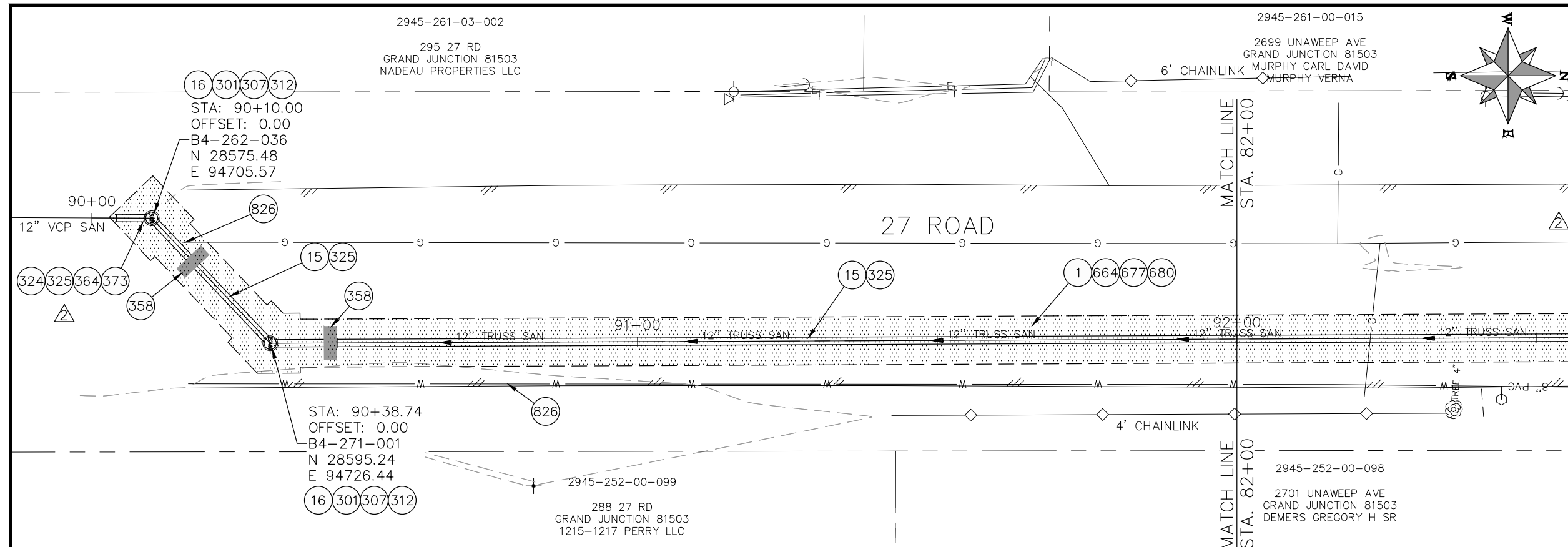
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

SCALE	DESCRIPTION
HORIZONTAL: 1" = 20'	PLAN
VERTICAL: 1" = 5'	PROFILE

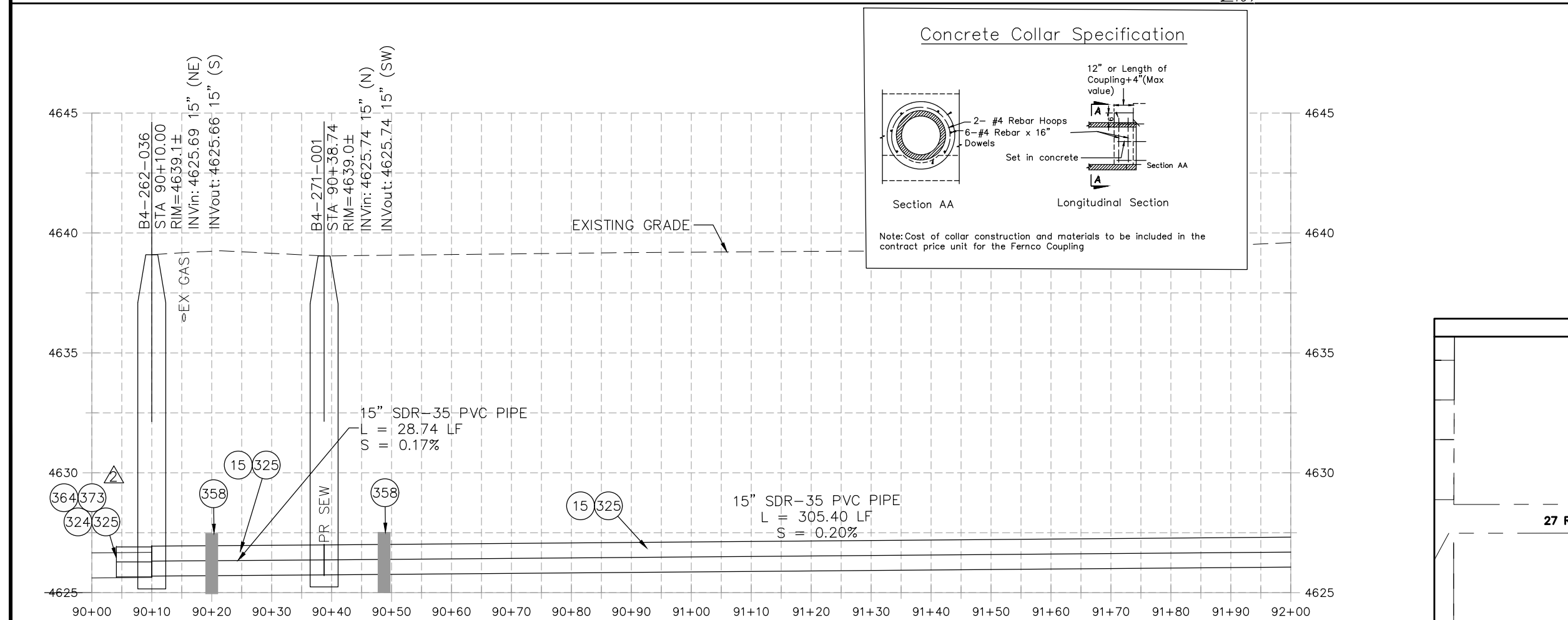


**PUBLIC WORKS
ENGINEERING DIVISION**

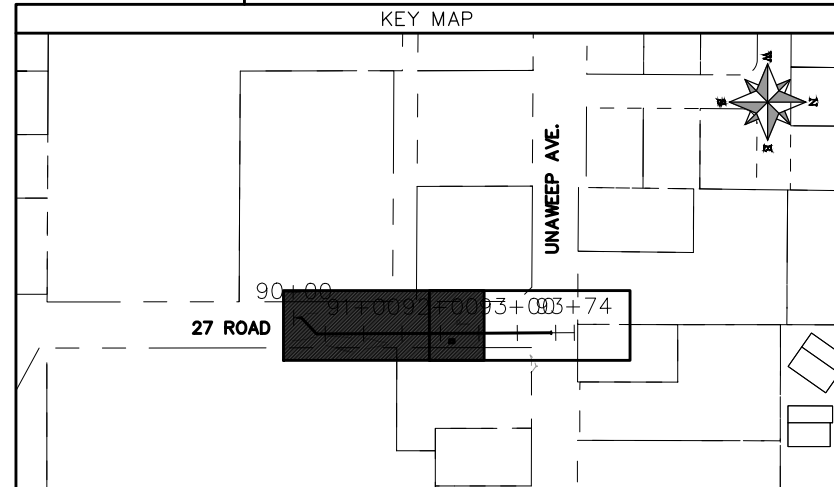
**2021 SEWER LINE REPLACEMENT - PHASE A
LINDEN AVE PLAN AND PROFILE
STA 84+00 TO STA 86+00**



- ### CONSTRUCTION NOTES
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 307 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (60" I.D.)
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 325 102.9/108.2 - 15" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 373 USE A 15"x12" PVC ECCENTRIC REDUCER TO CONNECT TO 12" PVC PIPE. USE FERCO COUPLING (REINFORCED WITH CONCRETE COLLAR, SEE DETAIL) TO CONNECT TO EXISTING 12" VCP.
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



NOTE: SEWER SERVICE LOCATIONS ARE UNKNOWN. SEWER SERVICES SHALL BE VERIFIED BY CONTRACTOR AND CITY. REPLACE SEWER SERVICES PER CITY SPECIFICATIONS. ESTIMATED TO BE (2) 15"x4" SEWER TAPS AND 2-WAY CLEANOUTS.

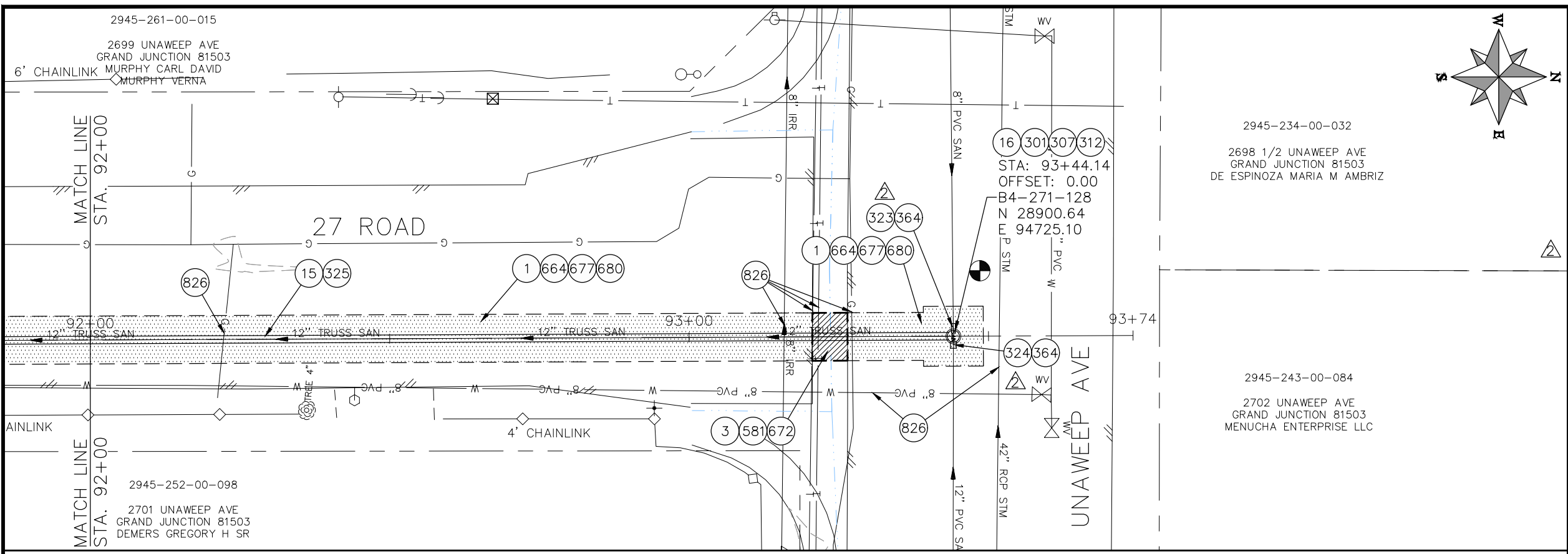


REVISION	DESCRIPTION	DATE	PROJECT NO.	SCALE: PLAN & PROFILE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	HORIZONTAL: 1" = 20'
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	0 5 10 20
REVISION Δ	XXX	202X	----	VERTICAL: 1" = 5'
REVISION Δ	XXX	202X	----	0 1.25 2.5 5

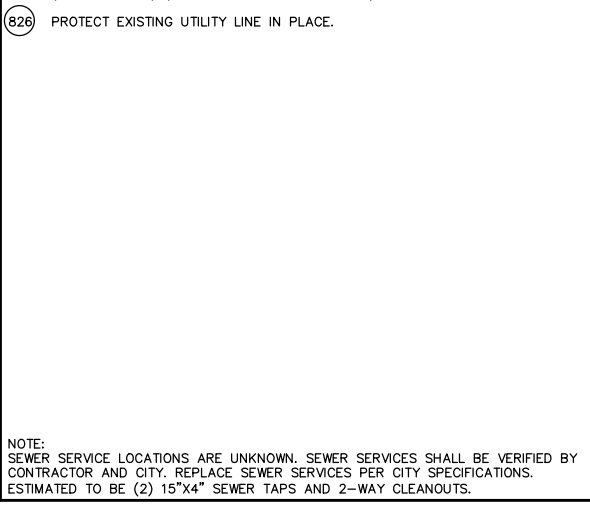
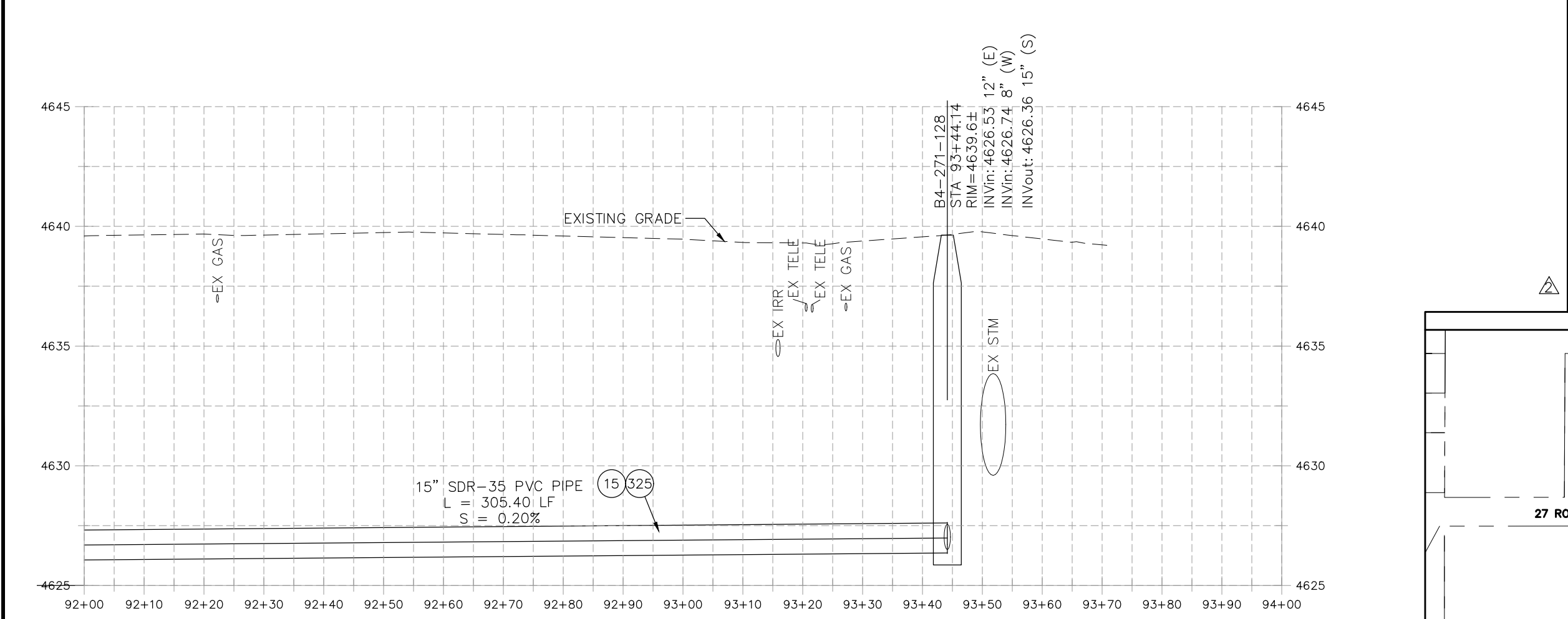


**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
27 ROAD PLAN AND PROFILE
STA 90+00 TO STA 92+00**



- ### CONSTRUCTION NOTES
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 307 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (60" I.D.)
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 325 102.9/108.2 - 15" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 581 608.06 - CONCRETE DRAINAGE PAN (6' WIDE)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.
- NOTE: SEWER SERVICE LOCATIONS ARE UNKNOWN. SEWER SERVICES SHALL BE VERIFIED BY CONTRACTOR AND CITY. REPLACE SEWER SERVICES PER CITY SPECIFICATIONS. ESTIMATED TO BE (2) 15"x4" SEWER TAPS AND 2-WAY CLEANOUTS.

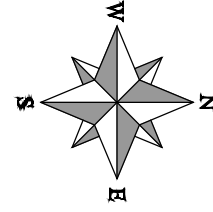
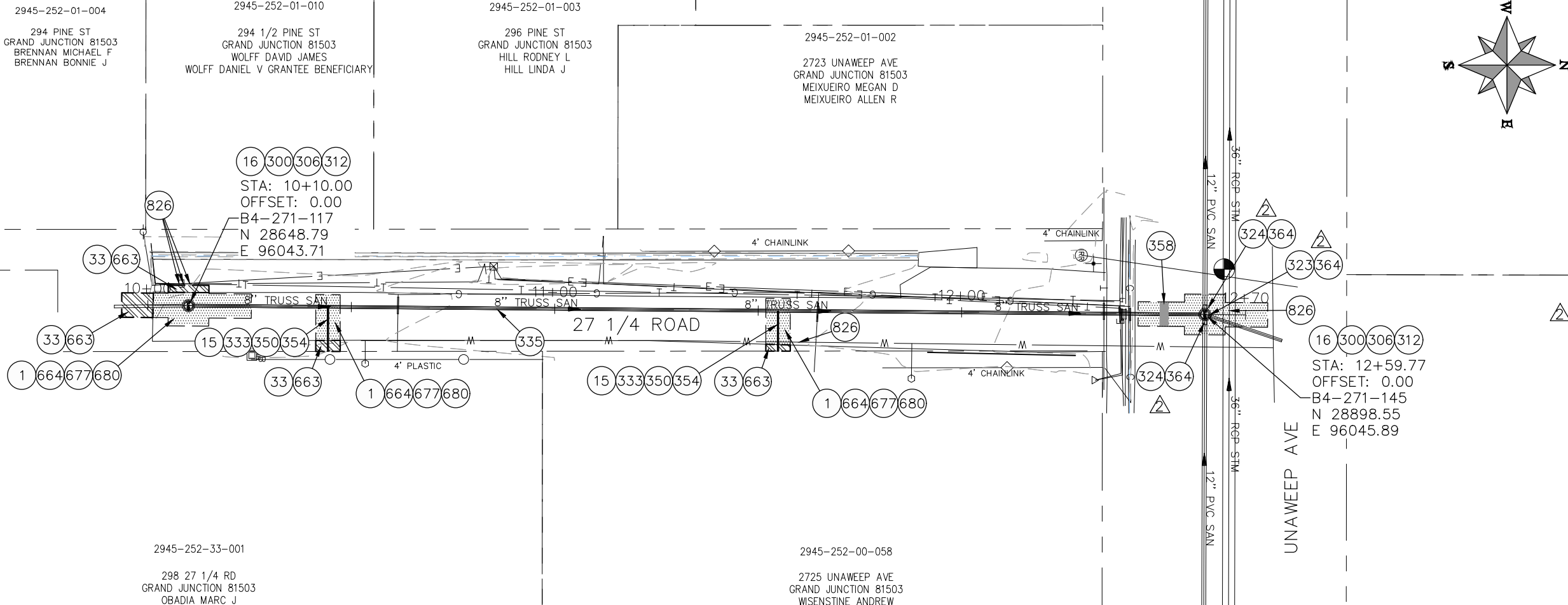


REVISION	DESCRIPTION	DATE	PROJECT NO.	SCALE: PLAN & PROFILE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	HORIZONTAL: 1" = 20'
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021		5 10 20
REVISION Δ	XXX	202X		VERTICAL: 1" = 5'
REVISION Δ	XXX	202X		0 1.25 2.5 5

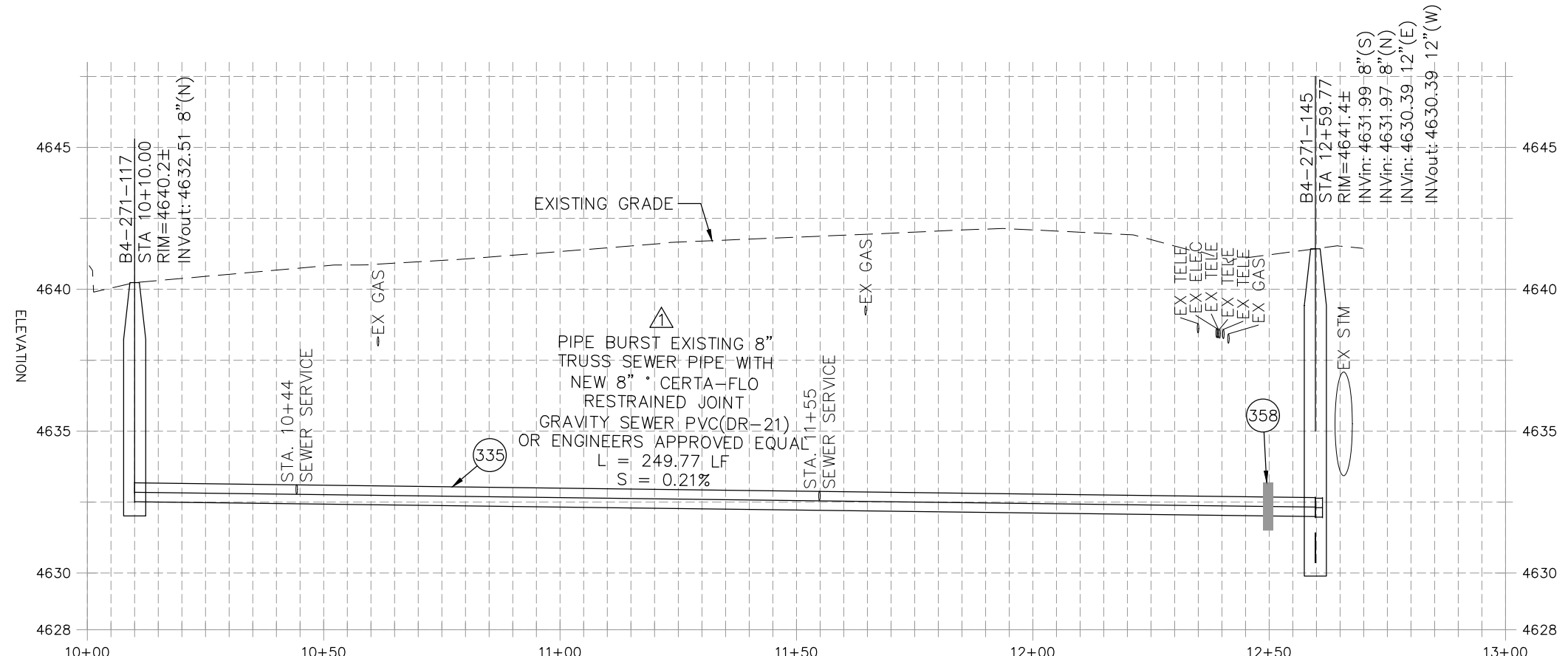


**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
27 ROAD PLAN AND PROFILE
STA 92+00 TO STA 94+00**



- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 335 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE)(ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL)(SDR-21 AND 20-FT PIPE LENGTHS)
 - 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION A	UPDATES TO PLAN AND PROFILES	06/2021	DJM	04/2021
REVISION B	UPDATES TO PLAN AND PROFILES	07/2021	DJM	4/2021
REVISION C	XXX	202X	EM	2021
REVISION D	XXX	202X	KH	2021

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 30'	0 7.5 15 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



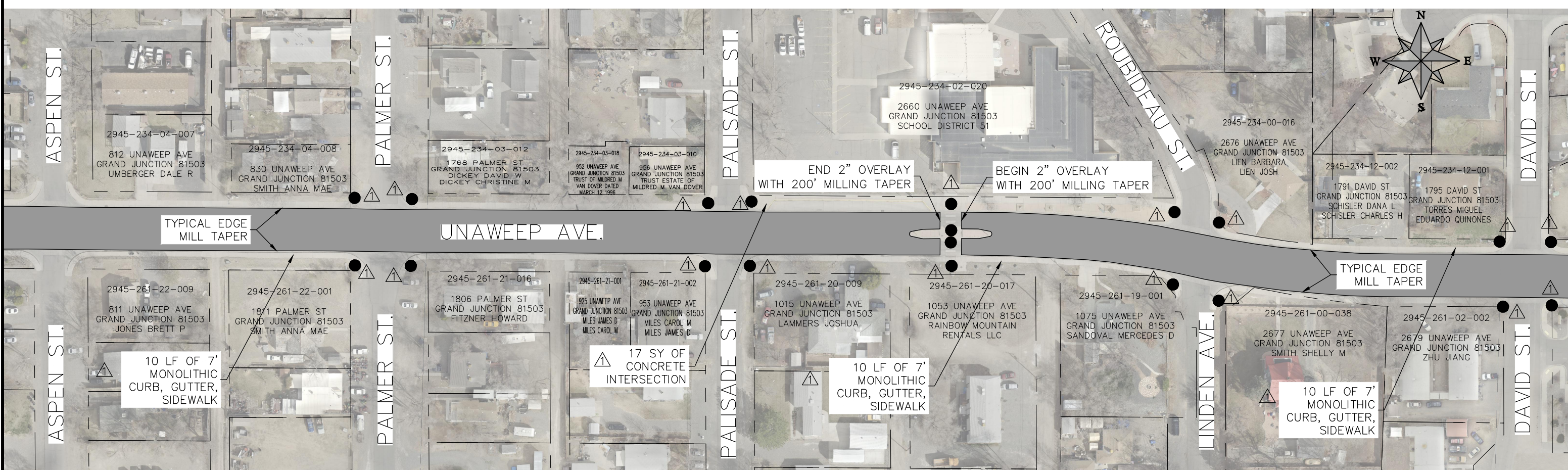
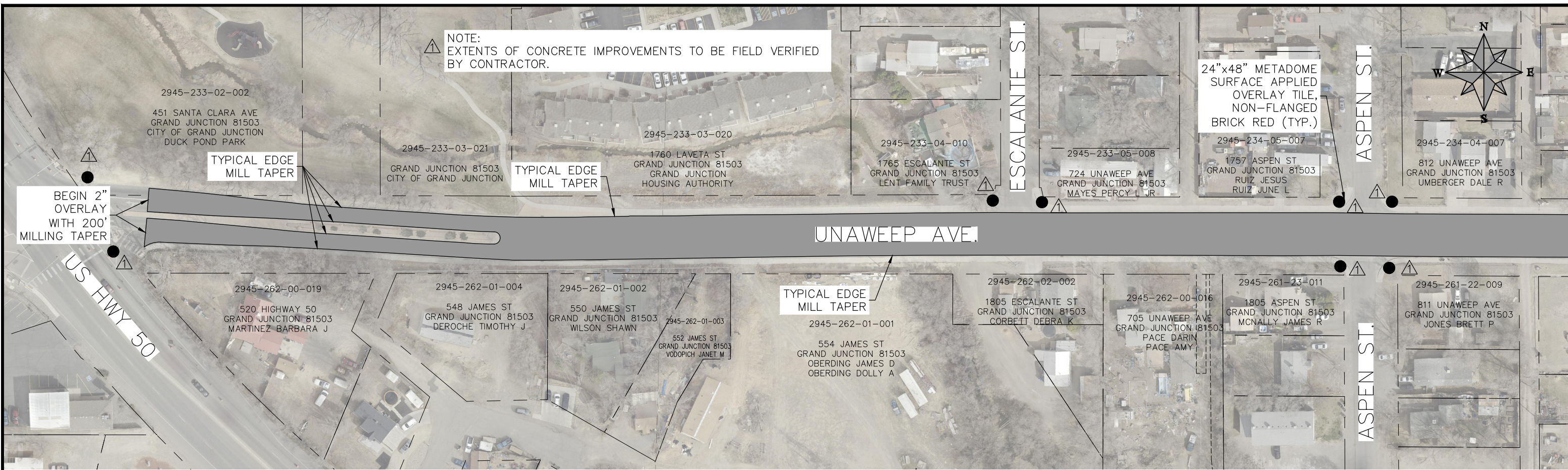
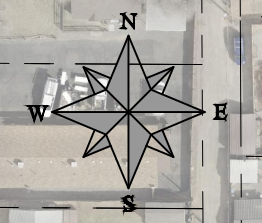
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
27 1/4 ROAD PLAN AND PROFILE
STA 10+00 TO STA 12+00**

N:\landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\00DESIGN\REVISION 2\27 1/4 ROAD.dwg, 7/9/2021 1:19:14 PM, AutoCAD PDF (General Documentation).pc3

NOTE:
EXTENTS OF CONCRETE IMPROVEMENTS TO BE FIELD VERIFIED
BY CONTRACTOR.

24"x48" METADOME
SURFACE APPLIED
OVERLAY TILE,
NON-FLANGED
BRICK RED (TYP.)



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ UPDATES TO DRAWINGS		06/2021	----	05/2021
REVISION Δ XXX		202X		05/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

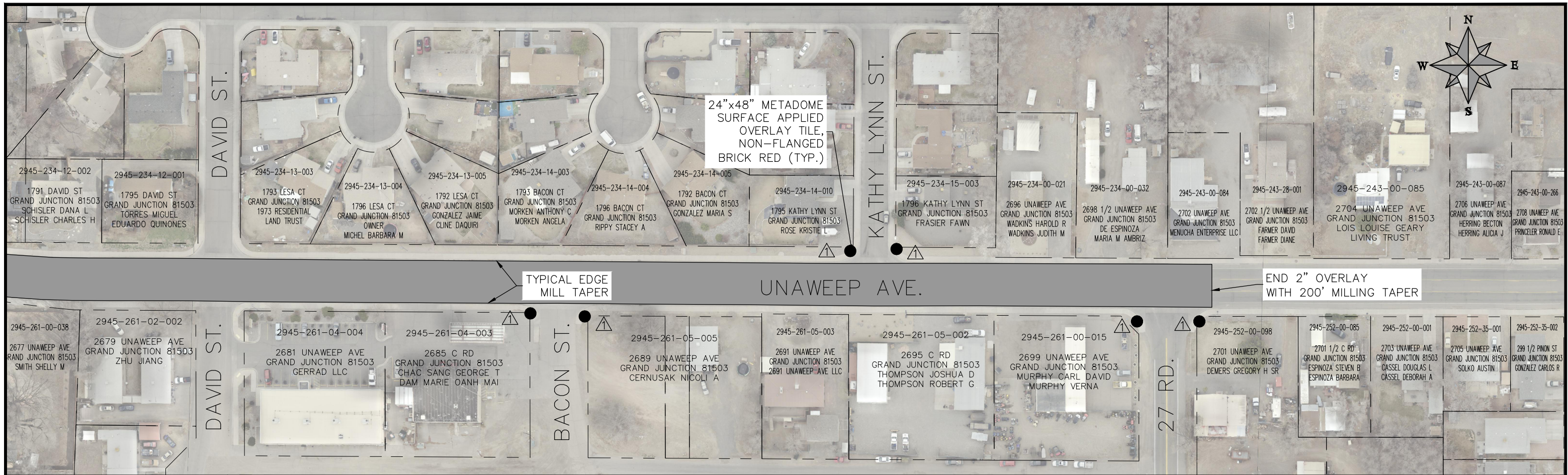
SCALE: PLAN & PROFILE
HORIZONTAL: 1" = 100'
VERTICAL: 1" = 10'



**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT – PHASE A
UNAWEEP AVE. OVERLAY**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\DESIGN\REVISION 2\Overlay_Sheets.dwg, 7/9/2021 1:19:33 PM, AutoCAD PDF (General Documentation).pc3



▲ NOTE:
EXTENTS OF CONCRETE IMPROVEMENTS TO BE FIELD VERIFIED
BY CONTRACTOR.

REVISION	DESCRIPTION	DATE	PROJECT NO. -----
REVISION ▲	UPDATES TO DRAWING	06/2021	DRAWN BY DJM DATE 05/2021
REVISION ▲	XXX	202X	DESIGNED BY DJM DATE 05/2021
REVISION ▲	XXX	202X	CHECKED BY EM DATE 2021
REVISION ▲	XXX	202X	APPROVED BY KH DATE 2021

SCALES: PLAN & PROFILE	
HORIZONTAL:	1" = 100'
VERTICAL:	1" = 10'



PUBLIC WORKS
ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT – PHASE A
UNAWEEP AVE. OVERLAY

N:\Landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\Overlay Sheets.dwg, 7/9/2021 1:19:39 PM, AutoCAD PDF (General Documentation).pc3



24"x48" METADOME SURFACE APPLIED OVERLAY TILE, NON-FLANGED BRICK RED (TYP.)

BEGIN 2" OVERLAY WITH 200' MILLING TAPER

TIE ASPHALT INTO FLOW LINE OF GUTTER

END 2" OVERLAY WITH 200' MILLING TAPER

UNAWEEP AVE.

SANTA CLARA AVE.

ESCALANTE ST.

2945-233-04-010
1765 ESCALANTE ST
GRAND JUNCTION 81503
LENT FAMILY TRUST

2945-233-04-009
1755 ESCALANTE ST
GRAND JUNCTION 81503
LENT FAMILY TRUST

2945-233-04-005
1741 ESCALANTE ST
GRAND JUNCTION 81503
MELTON RICHARD

2945-233-04-006
1731 ESCALANTE ST
GRAND JUNCTION 81503
MCCABE WESLEY DANE
DILLON SAMANTHA B

2945-233-33-002
1725 ESCALANTE ST
GRAND JUNCTION 81503
WYATT CARL

2945-233-33-001
653 SANTA CLARA AVE
GRAND JUNCTION 81503
BACA REYNA V
GRAY STEPHAN T

2945-233-05-008
724 UNAWEEP AVE
GRAND JUNCTION 81503
MAYES PERCY L JR

2945-233-05-007
1756 ESCALANTE ST
GRAND JUNCTION 81503
CORDOVA MICHAEL A

2945-233-05-006
1748 ESCALANTE ST
GRAND JUNCTION 81503
RUPPE WYATT

2945-233-05-005
1740 ESCALANTE ST
GRAND JUNCTION 81503
MELTON RICHARD K

2945-233-05-004
1732 ESCALANTE ST
GRAND JUNCTION 81503
JONES DANIEL DUANE

2945-233-05-003
1726 ESCALANTE ST
GRAND JUNCTION 81503
SMITH SIDNEY D
SMITH RUBY B

2945-233-05-001
713 SANTA CLARA AVE
GRAND JUNCTION 81503
JOE L GARCIA TESTAMENTARY TRUST
GARCIA-TILLMAN JOLYNN CO-TRUSTEE,
STAGE PATRICIA CABRINI CO-TRUSTEE,
GARCIA TED ALLEN CO-TRUSTEE

NOTE:
EDGE MILL TAPER AT ALL CONCRETE
AND ASPHALT DRIVEWAYS AS NECESSARY.

REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ UPDATES TO DRAWING		06/2021	----	05/2021
REVISION Δ XXX		202X		05/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 60'	0 15 30 60
VERTICAL: 1" =	



PUBLIC WORKS ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT - PHASE A ESCALANTE ST. OVERLAY

N:\Landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\Overlay Sheets.dwg, 7/9/2021 1:19:44 PM, AutoCAD PDF (General Documentation).pc3



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ UPDATES TO DRAWING		06/2021	----	05/2021
REVISION Δ XXX		202X		05/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

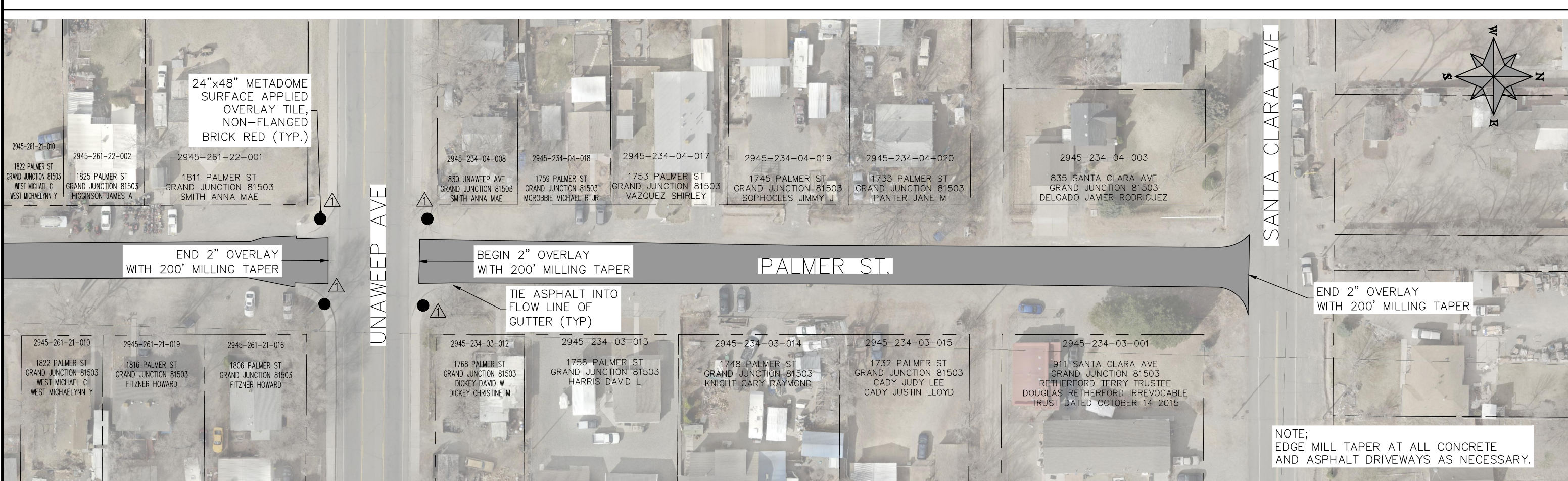
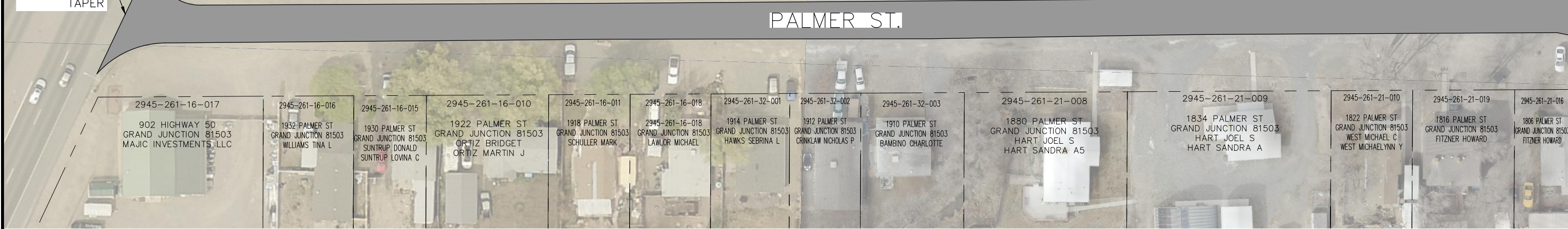
SCALES: PLAN & PROFILE
HORIZONTAL: 1" = 60'
VERTICAL: 1" = 10'



**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT – PHASE A
ASPEN ST. OVERLAY**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\DESIGN\REVISION 2\Overlay Sheets.dwg, 7/9/2021 1:19:54 PM, AutoCAD PDF (General Documentation).pc3



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ UPDATES TO DRAWING		06/2021	----	05/2021
REVISION Δ XXX		202X		05/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

SCALE: PLAN & PROFILE
HORIZONTAL: 1" = 60'
VERTICAL: 1" = 10'

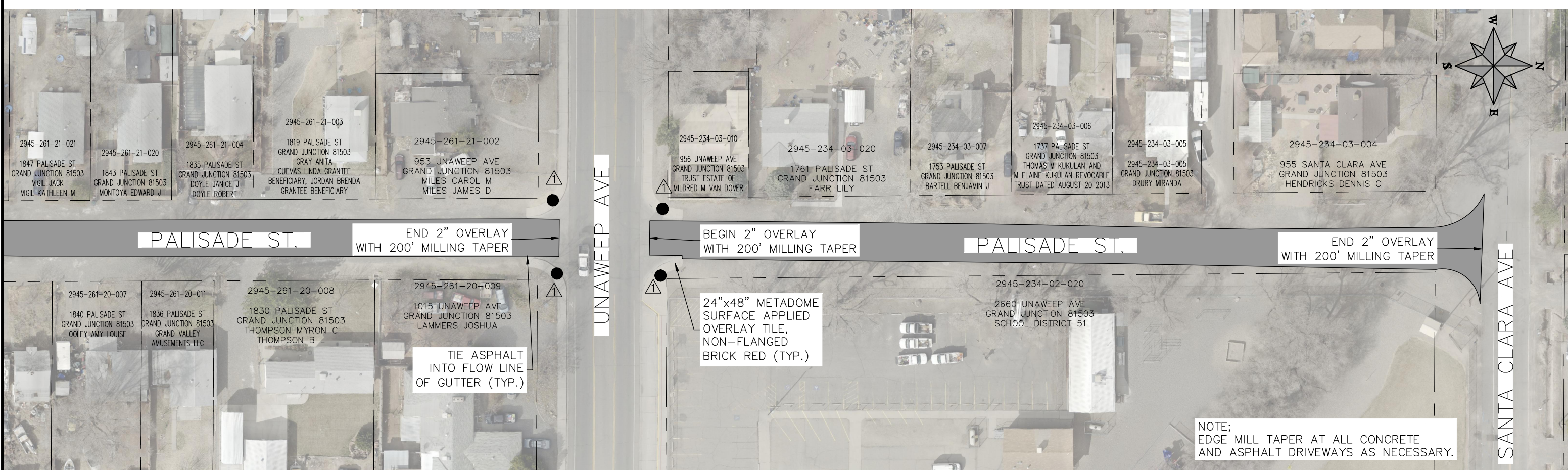
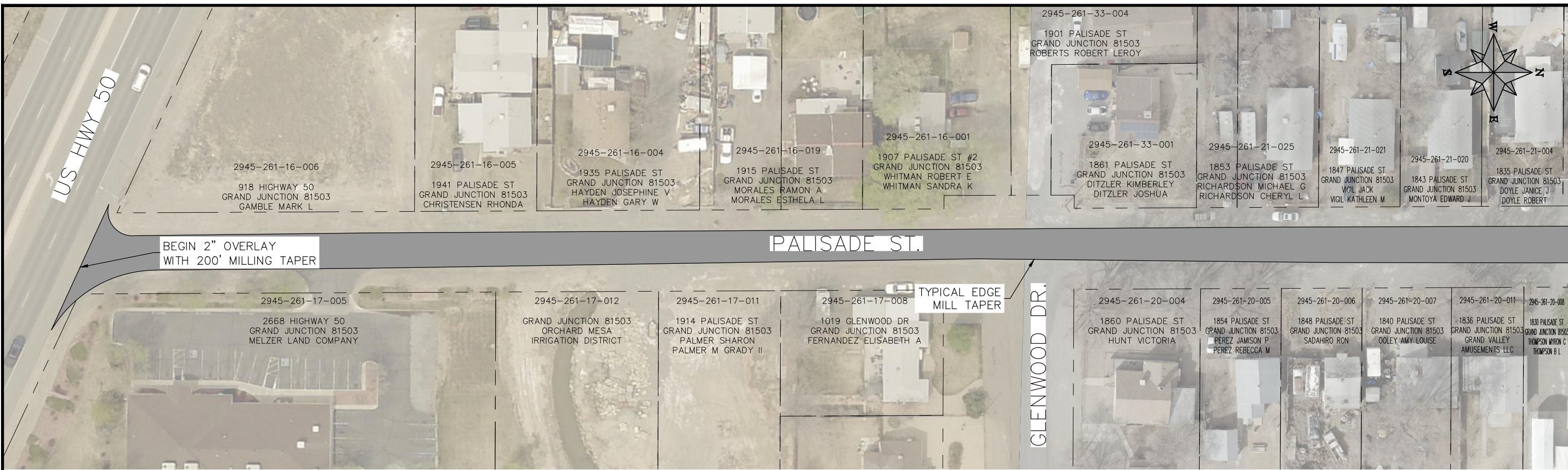


**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT – PHASE A
PALMER ST. OVERLAY**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60\CAD\DESIGN\REVISION 2\Overlay Sheets.dwg, 7/9/2021 1:20:04 PM, AutoCAD PDF (General Documentation).pc3

N:\Landproj\2021 Sewer Replacements - Phase A - Unawweep Ave\60\CAD\DESIGN\REVISION 2\Overlay_Sheets.dwg, 7/9/2021 1:20:14 PM, AutoCAD PDF (General Documentation).pc3



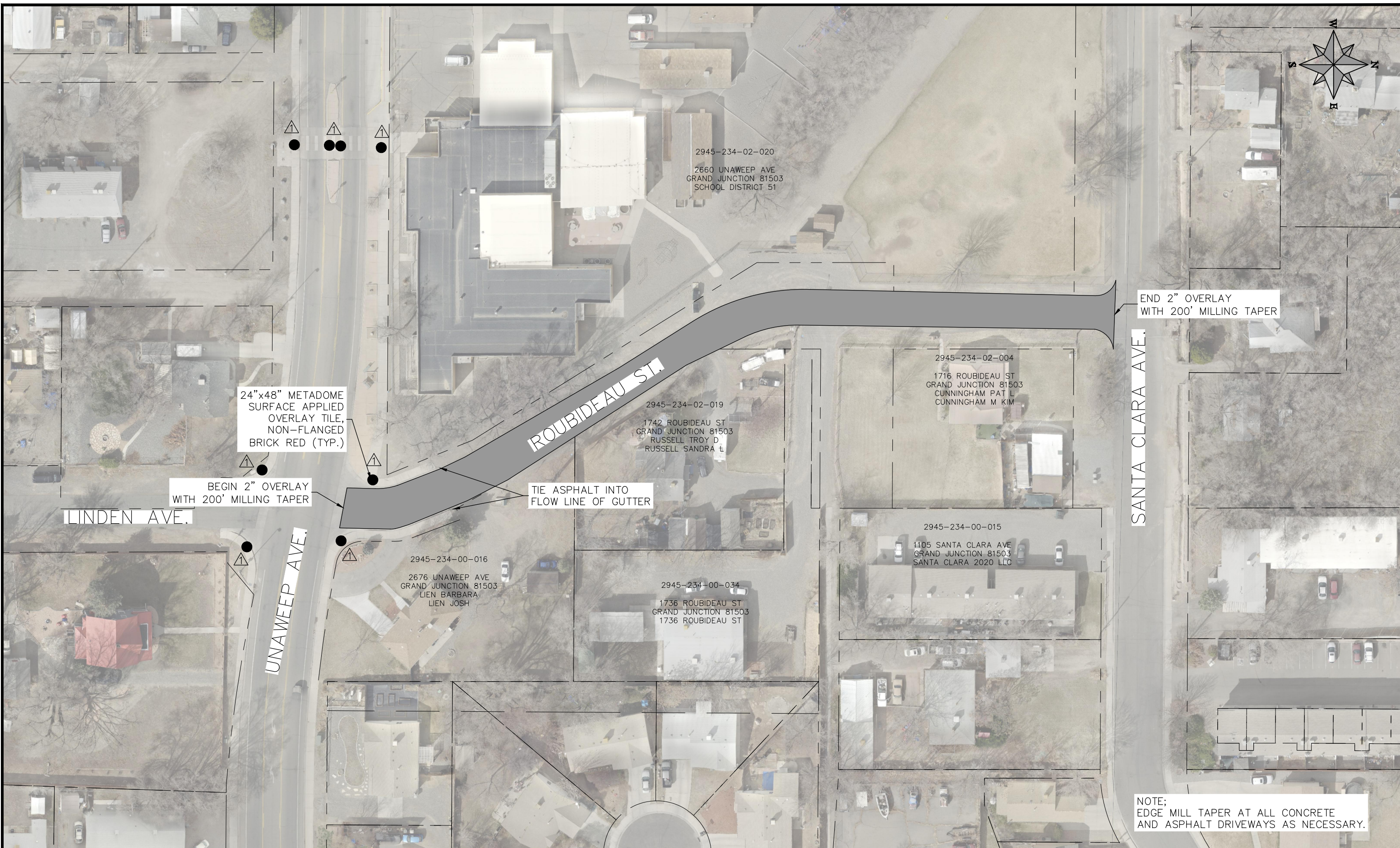
REVISION	DATE	PROJECT NO.	DESCRIPTION
REVISION Δ XXX	06/2021	----	UPDATES TO DRAWING
REVISION Δ XXX	202X		
REVISION Δ XXX	202X		
REVISION Δ XXX	202X		

DATE	BY	DATE	BY
05/2021	DJM	05/2021	DJM
05/2021	DJM	2021	EM
2021	KH	2021	XXX

SCALES: PLAN & PROFILE
 HORIZONTAL: 1" = 60'
 0 15 30 60
 VERTICAL: 1" =

**PUBLIC WORKS
 ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT – PHASE A
 PALISADE ST. OVERLAY**



LINDEN AVE.

24"x48" METADOME
SURFACE APPLIED
OVERLAY TILE,
NON-FLANGED
BRICK RED (TYP.)

BEGIN 2" OVERLAY
WITH 200' MILLING TAPER

ROUBIDEAU ST.

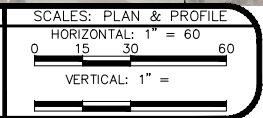
TIE ASPHALT INTO
FLOW LINE OF GUTTER

END 2" OVERLAY
WITH 200' MILLING TAPER

SANTA CLARA AVE.

NOTE;
EDGE MILL TAPER AT ALL CONCRETE
AND ASPHALT DRIVEWAYS AS NECESSARY.

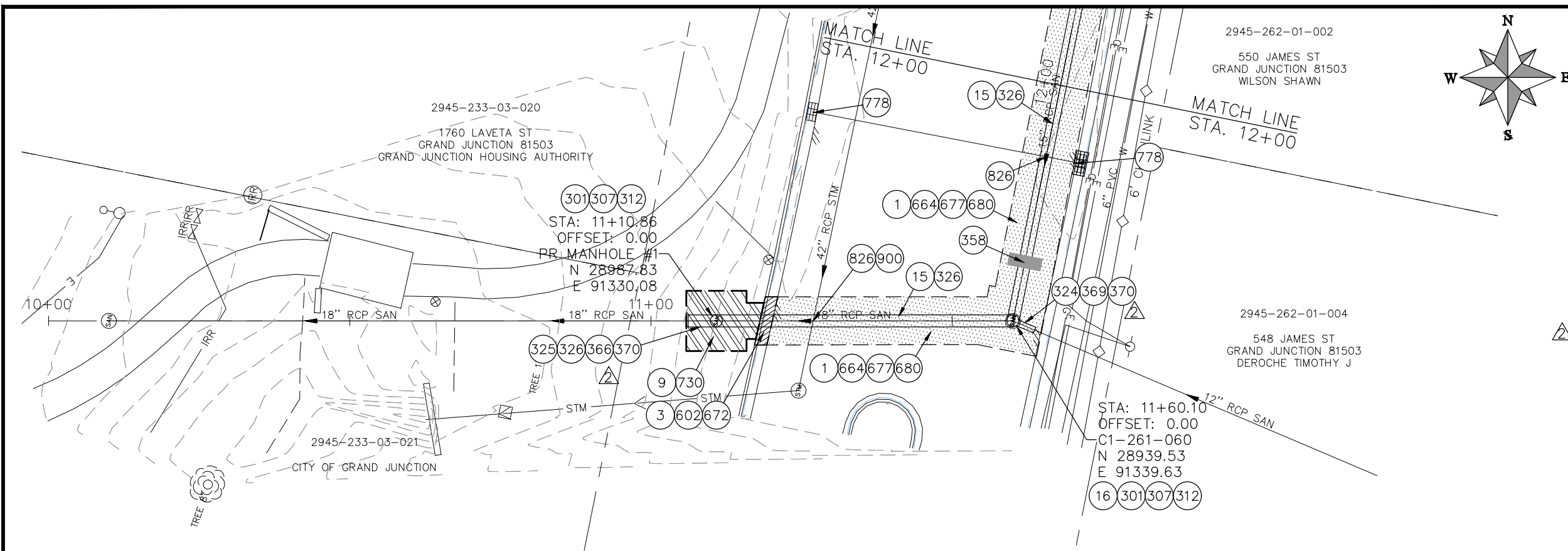
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ XXX	UPDATES TO DRAWING	06/2021	----	05/2021
REVISION Δ XXX		202X	DRAWN BY DJM	05/2021
REVISION Δ XXX		202X	DESIGNED BY DJM	2021
REVISION Δ XXX		202X	CHECKED BY EM	2021
REVISION Δ XXX		202X	APPROVED BY KH	2021



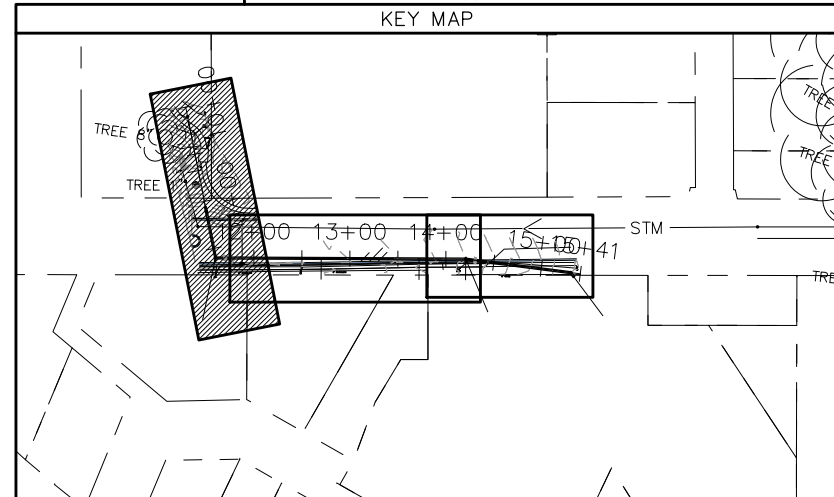
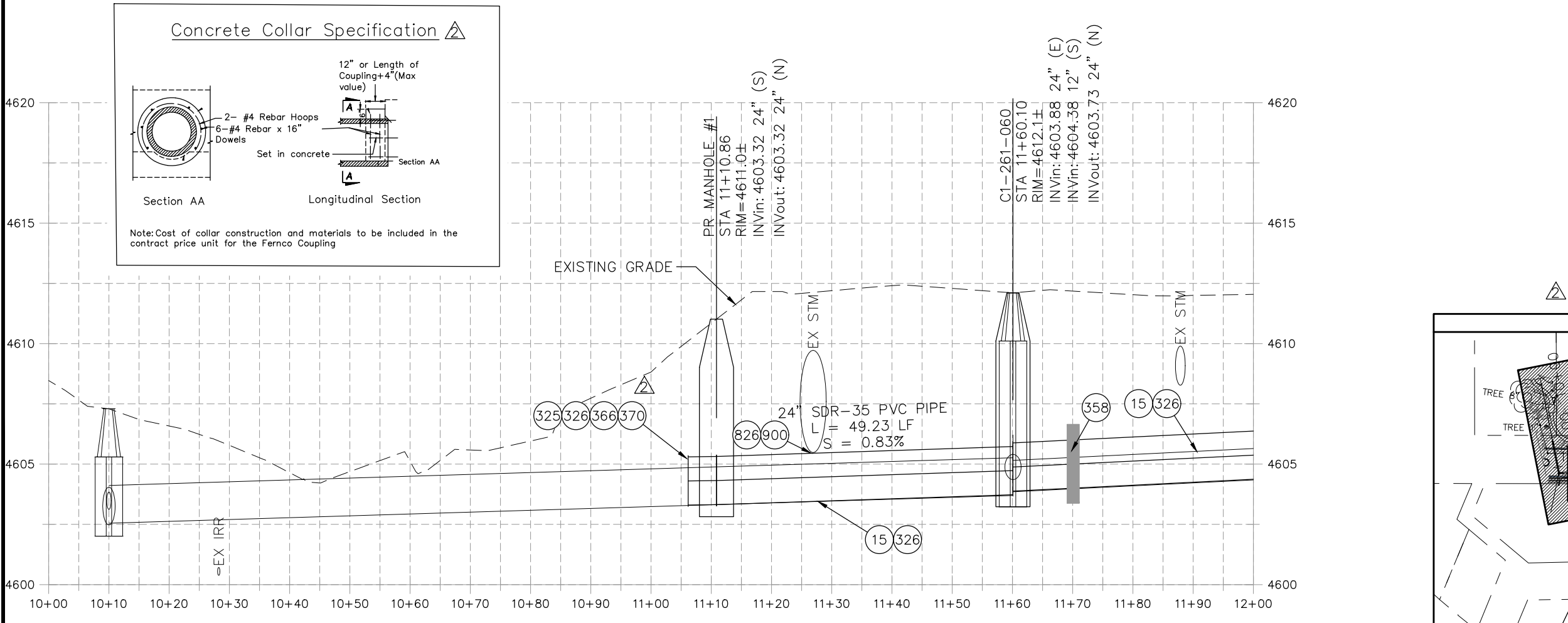
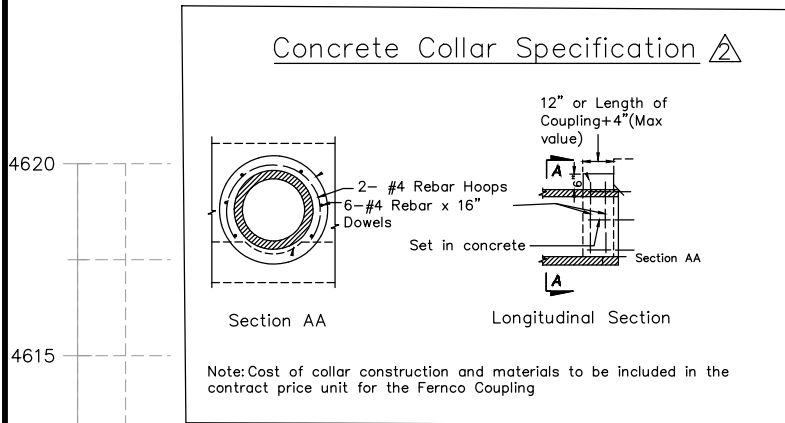
PUBLIC WORKS
ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT – PHASE A
ROUBIDEAU ST. OVERLAY

N:\Landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\Overlay_Sheets.dwg, 7/9/2021 1:20:24 PM, AutoCAD PDF (General Documentation).pc3



- ### CONSTRUCTION NOTES
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 120 210 - RESET/REPAIR SPRINKLER IRRIGATION SYSTEM. (IF NECESSARY)
 - 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 307 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (60" I.D.)
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 325 102.9/108.2 - 18" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 326 102.9/108.2 - 24" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 366 USE A 24"x18" PVC ECCENTRIC REDUCER TO CONNECT TO 18" PVC PIPE. USE FERNCO COUPLING (REINFORCED WITH CONCRETE COLLAR, SEE DETAIL) TO CONNECT TO EXISTING 18" RCP.
 - 369 USE FERNCO COUPLING (REINFORCED WITH CONCRETE COLLAR, SEE DETAIL) TO CONNECT TO EXISTING 12" RCP.
 - 370 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 602 608.06 - CONCRETE CURB AND GUTTER (2' WIDE)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 672 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 778 208 - STORM DRAIN INLET PROTECTION (SILT-SACK STYLE OR APPROVED EQUAL) (NO GRAVEL/ROCK BAG FILTERS ARE ALLOWED)
 - 801 PROTECT TREE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.
 - 900 CONTRACTOR AND CITY TO VERIFY INVERT ELEVATION OF EXISTING STORM SEWER. CONTRACTOR SHALL ENCASE SANITARY SEWER PIPE (PER CITY SPECIFICATION GU-04). POT HOLING REQUIRED.
- NOTE:
SEWER SERVICE LOCATIONS ARE UNKNOWN. SEWER SERVICES SHALL BE VERIFIED BY CONTRACTOR AND CITY. REPLACE SEWER SERVICES PER CITY SPECIFICATIONS. ESTIMATED QUANTITIES TO BE (3) 24"x4" SEWER TAPS AND 2-WAY CLEANOUTS.



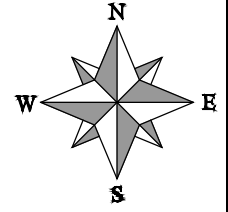
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION A	UPDATES TO PLAN AND PROFILES	06/2021	----	05/2021
REVISION B	UPDATES TO PLAN AND PROFILES	07/2021	----	5/2021
REVISION C	XXX	202X	----	2021
REVISION D	XXX	202X	----	2021

SCALE	PLAN & PROFILE
HORIZONTAL	1" = 20'
VERTICAL	1" = 5'



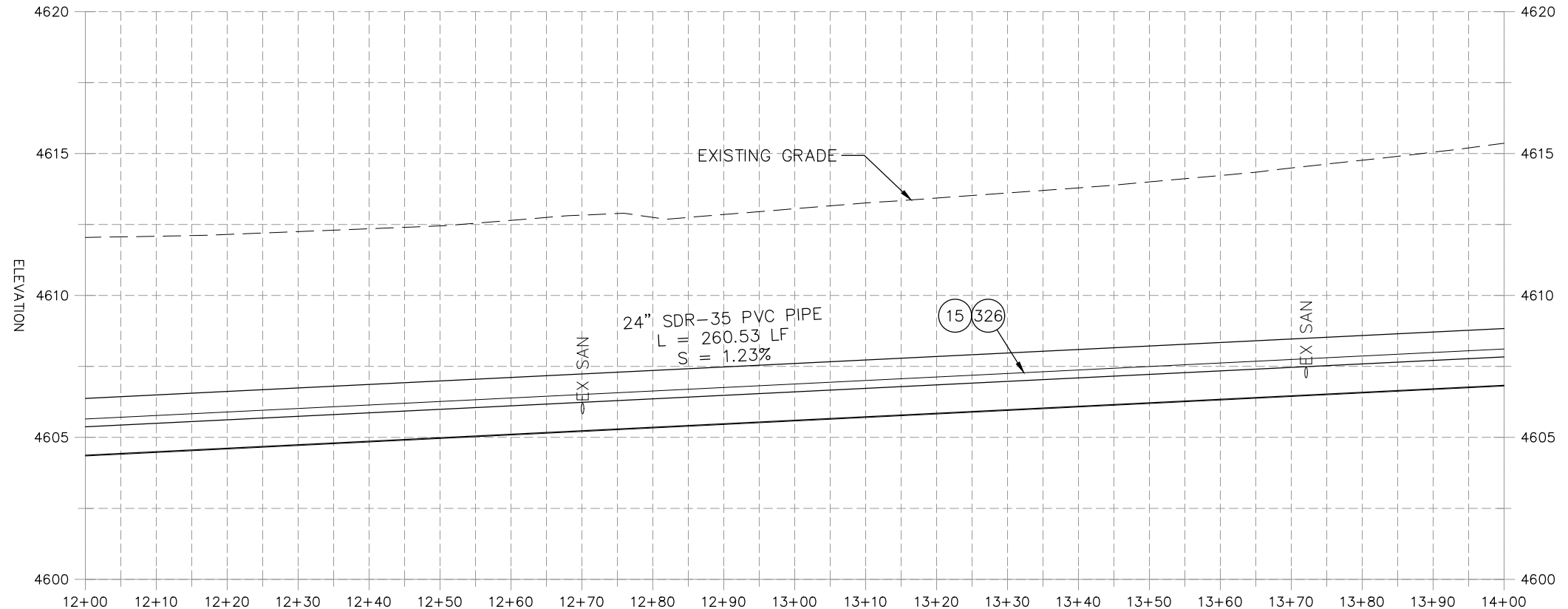
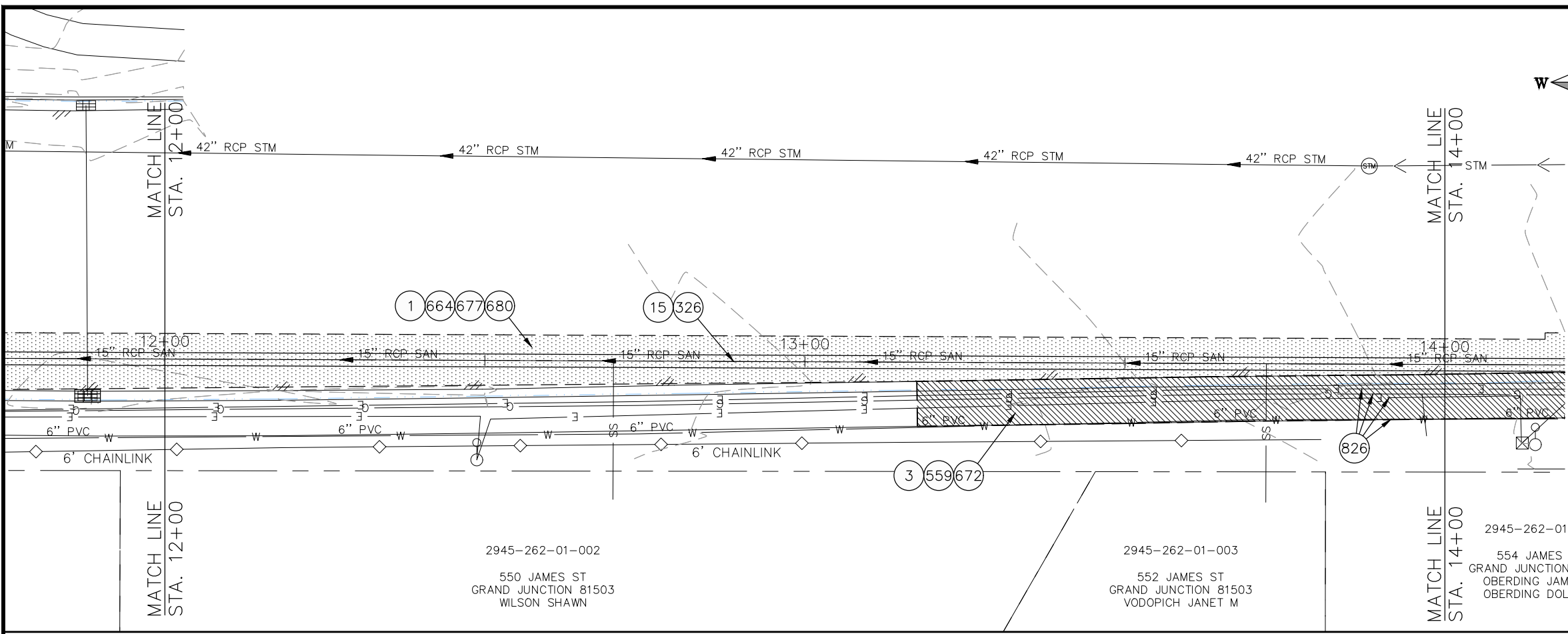
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
DUCK POND AREA PLAN AND PROFILE - ALT 1
STA 10+00 TO STA 12+00**

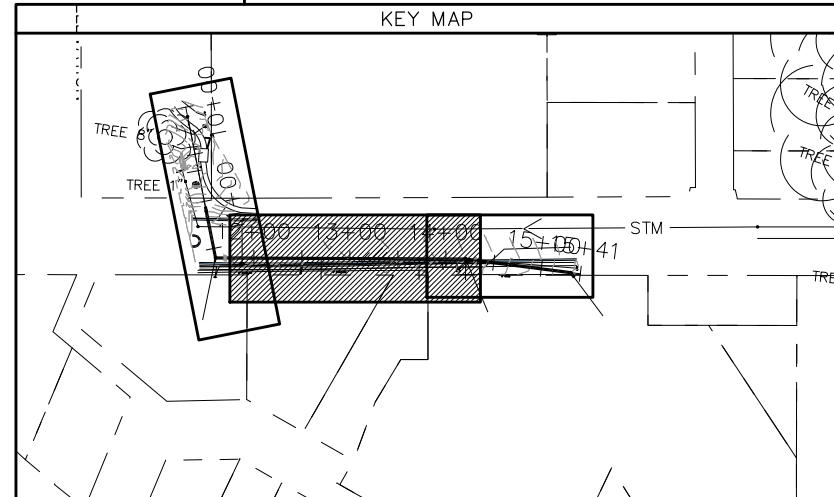


CONSTRUCTION NOTES

- ① 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
- ③ 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
- ⑮ 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- ③26 102.9/108.2 - 24" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
- ⑤59 608.06 - MONOLITHIC VERTICAL CURB, GUTTER AND SIDEWALK (7' WIDE)
- ⑥64 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
- ⑥72 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- ⑥77 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
- ⑥80 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
- ⑧26 PROTECT EXISTING UTILITY LINE IN PLACE.



NOTE: SEWER SERVICE LOCATIONS ARE UNKNOWN. SEWER SERVICES SHALL BE VERIFIED BY CONTRACTOR AND CITY. REPLACE SEWER SERVICES PER CITY SPECIFICATIONS. ESTIMATED QUANTITIES TO BE (3) 24"x4" SEWER TAPS AND 2-WAY CLEANOUTS.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	05/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	05/2021
REVISION Δ	XXX	202X	----	05/2021
REVISION Δ	XXX	202X	----	05/2021

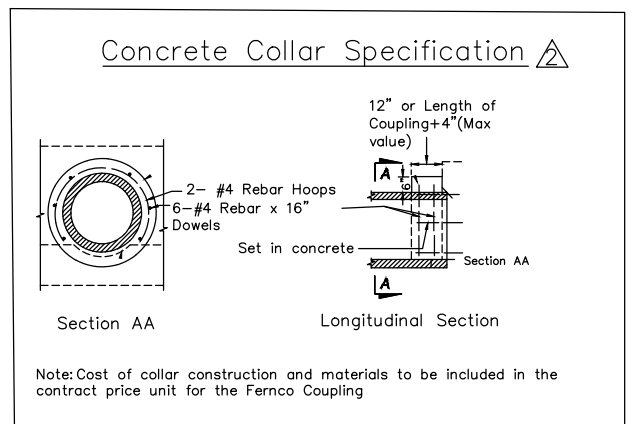
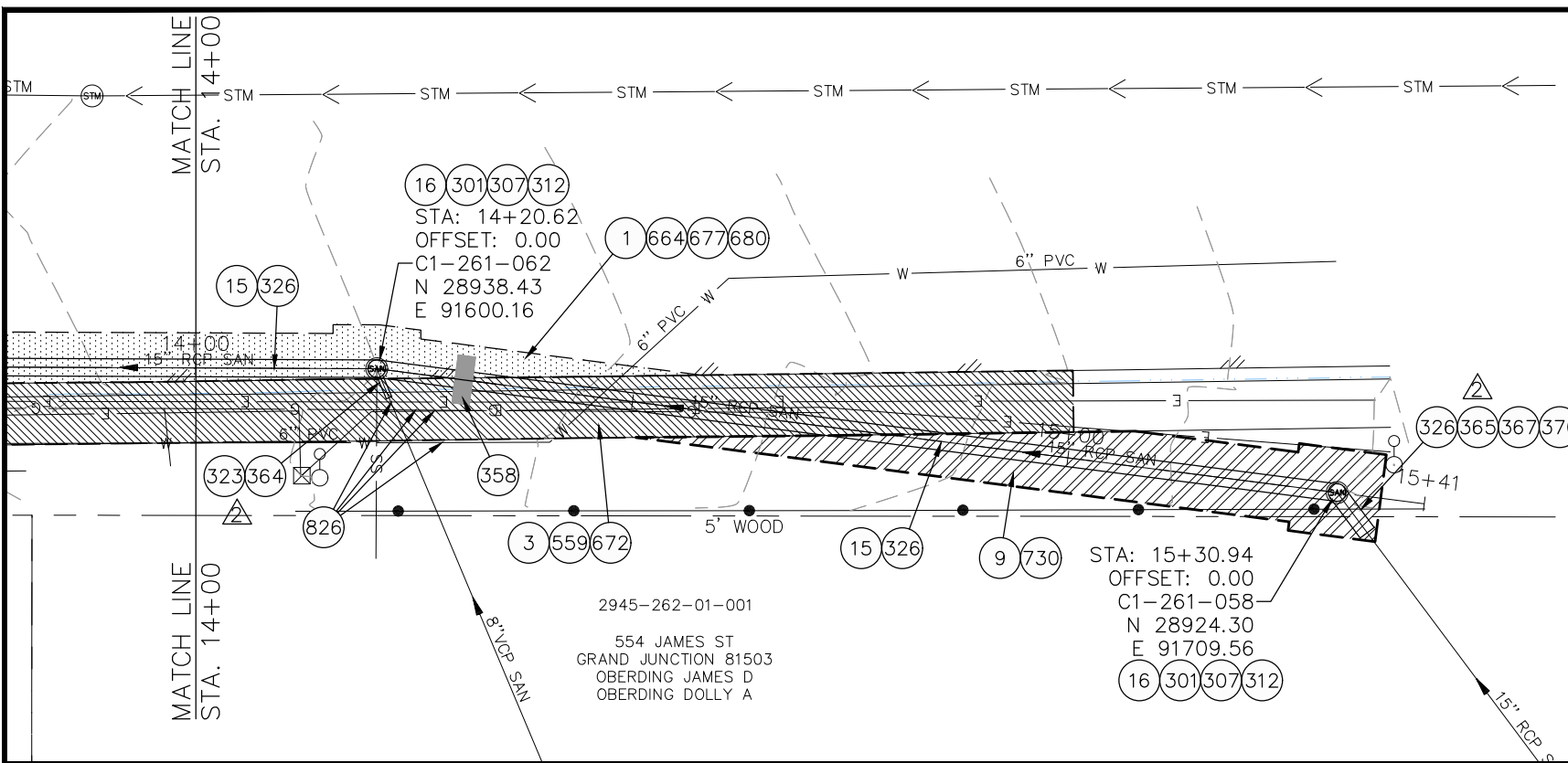
SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



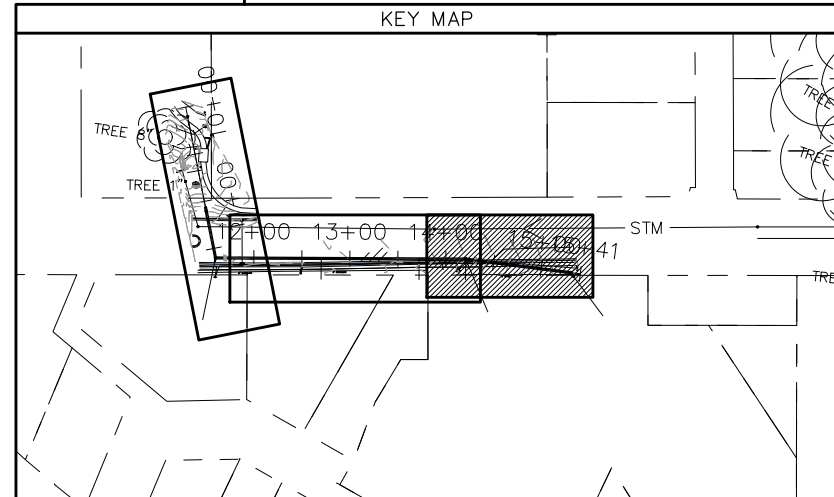
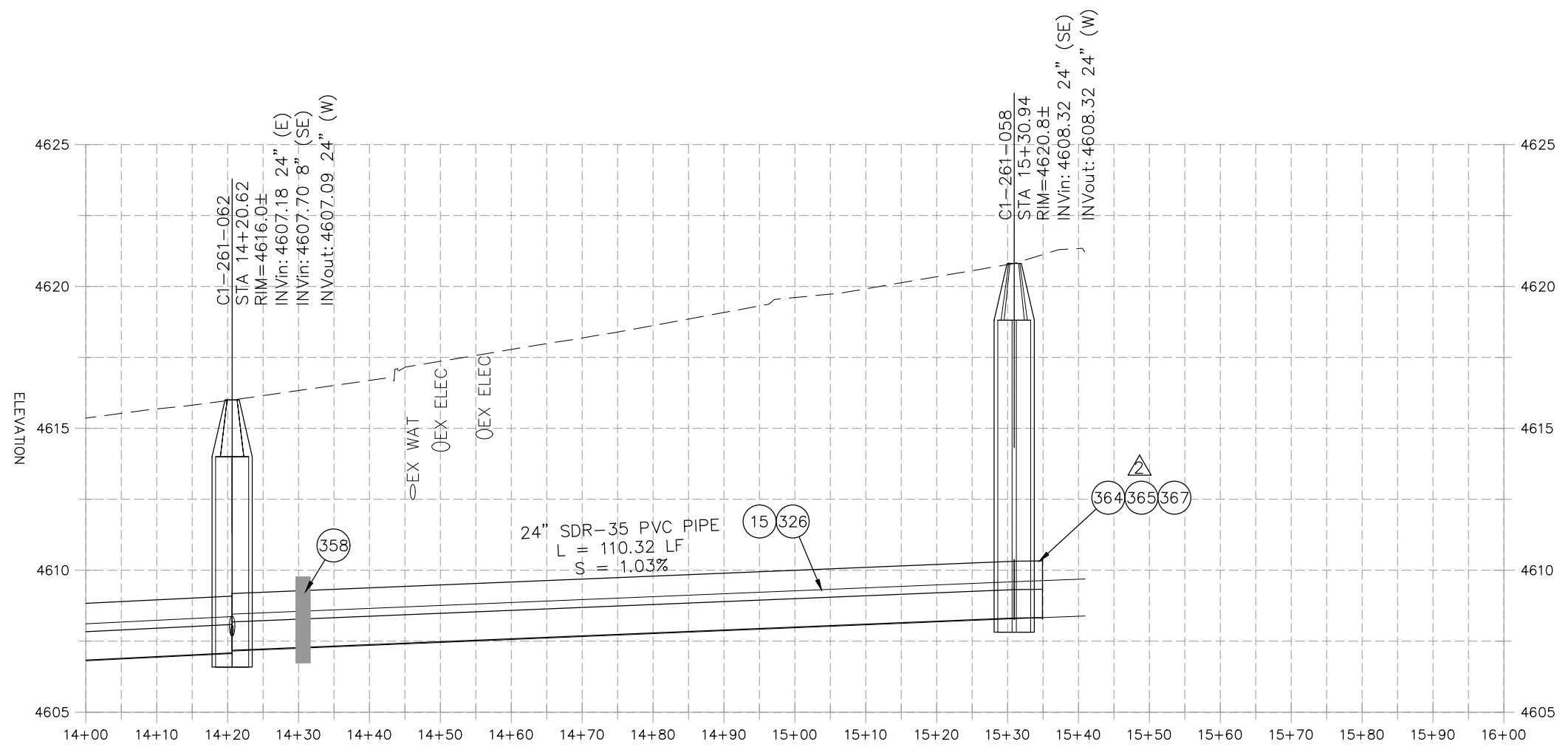
PUBLIC WORKS
ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT - PHASE A
DUCK POND AREA PLAN AND PROFILE - ALT 1
STA 12+00 TO STA 14+00

N:\Landproj\2021 Sewer Replacements - Phase A - Unawsep Ave\60CAD\00DESIGN\REVISION 2\DUCK Pond ALT 1.dwg, 7/9/2021 11:22:24 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 307 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (60" I.D.)
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 326 102.9/108.2 - 24" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 365 102.9/108.2 - 15" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 367 USE A 24"x15" PVC ECCENTRIC REDUCER TO CONNECT TO 15" PVC PIPE. USE FERNCO COUPLING (REINFORCED WITH CONCRETE COLLAR, SEE DETAIL TO CONNECT TO EXISTING 15" RCP.
 - 370 CONNECT TO EXISTING SEWER PIPE. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 559 608.06 - MONOLITHIC VERTICAL CURB, GUTTER AND SIDEWALK (7' WIDE)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 672 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.
- NOTE: SEWER SERVICE LOCATIONS ARE UNKNOWN. SEWER SERVICES SHALL BE VERIFIED BY CONTRACTOR AND CITY. REPLACE SEWER SERVICES PER CITY SPECIFICATIONS. ESTIMATED QUANTITIES TO BE (3) 24"x4" SEWER TAPS AND 2-WAY CLEANOUTS.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	-----	05/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	-----	05/2021
REVISION Δ	XXX	202X	-----	05/2021
REVISION Δ	XXX	202X	-----	05/2021

SCALE	SCALE
HORIZONTAL: 1" = 20'	VERTICAL: 1" = 5'

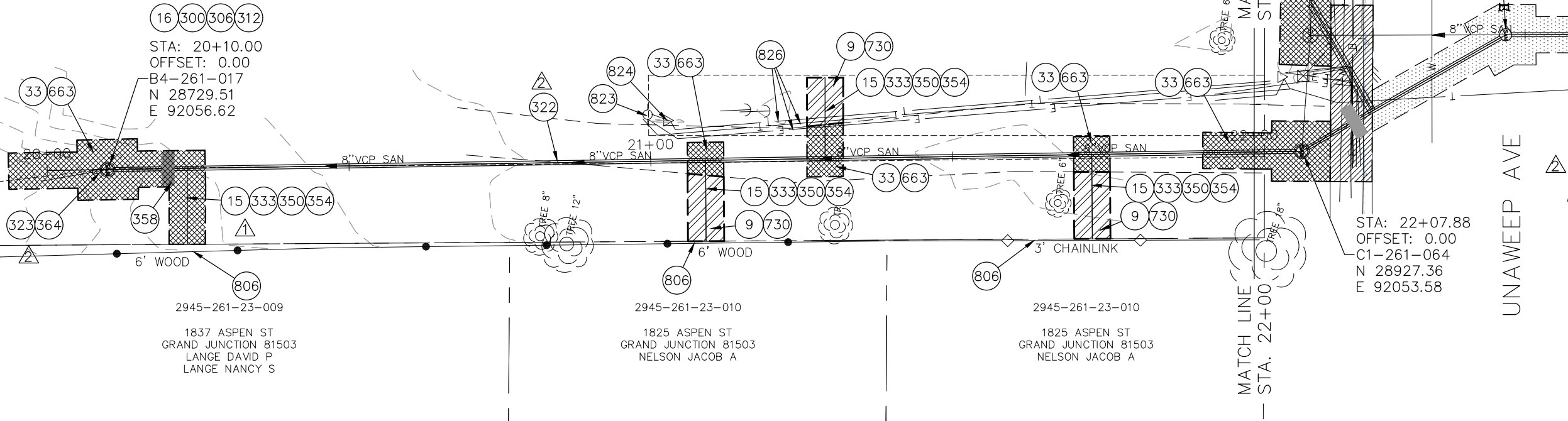


**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
DUCK POND AREA PLAN AND PROFILE - ALT 1
STA 14+00 TO STA 16+00**

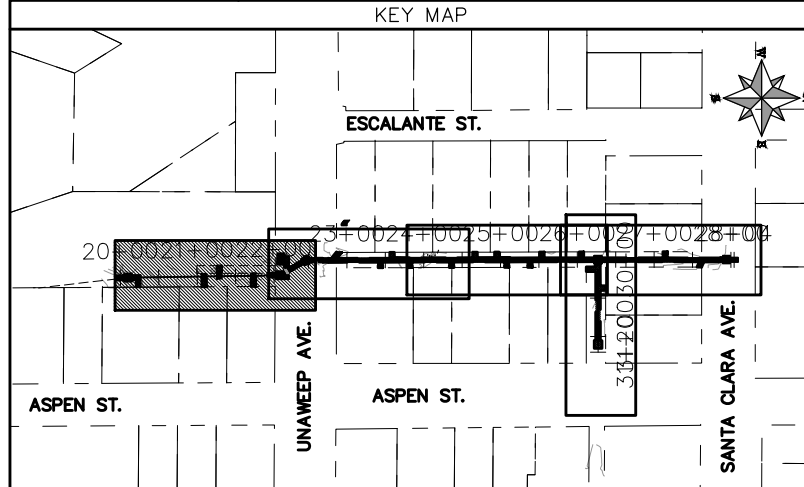
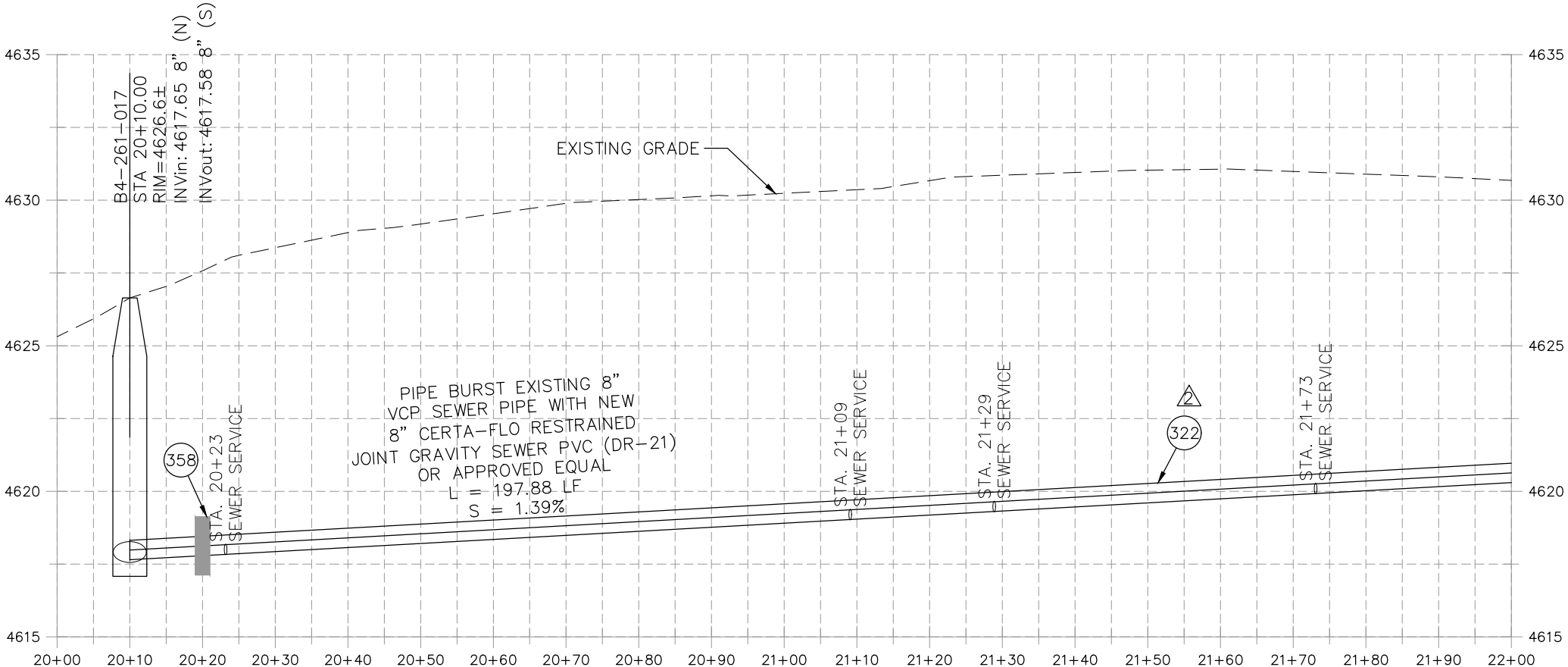
2945-262-00-016

705 UNAWEEP AVE
GRAND JUNCTION 81503
PACE DARIN
PACE AMY



CONSTRUCTION NOTES

- (9) 202 - REMOVAL OF SOD.
- (15) 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- (16) 202 - REMOVAL OF MANHOLE
- (33) 202 - REMOVE EXISTING SURFACE MATERIAL
- (300) 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- (306) 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
- (312) 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
- (322) 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
- (323) 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- (333) 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- (350) 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
- (354) 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
- (358) 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- (364) CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
- (663) 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- (730) 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
- (806) PROTECT FENCE
- (823) PROTECT UTILITY POLE
- (824) PROTECT UTILITY PEDESTAL
- (826) PROTECT EXISTING UTILITY LINE IN PLACE



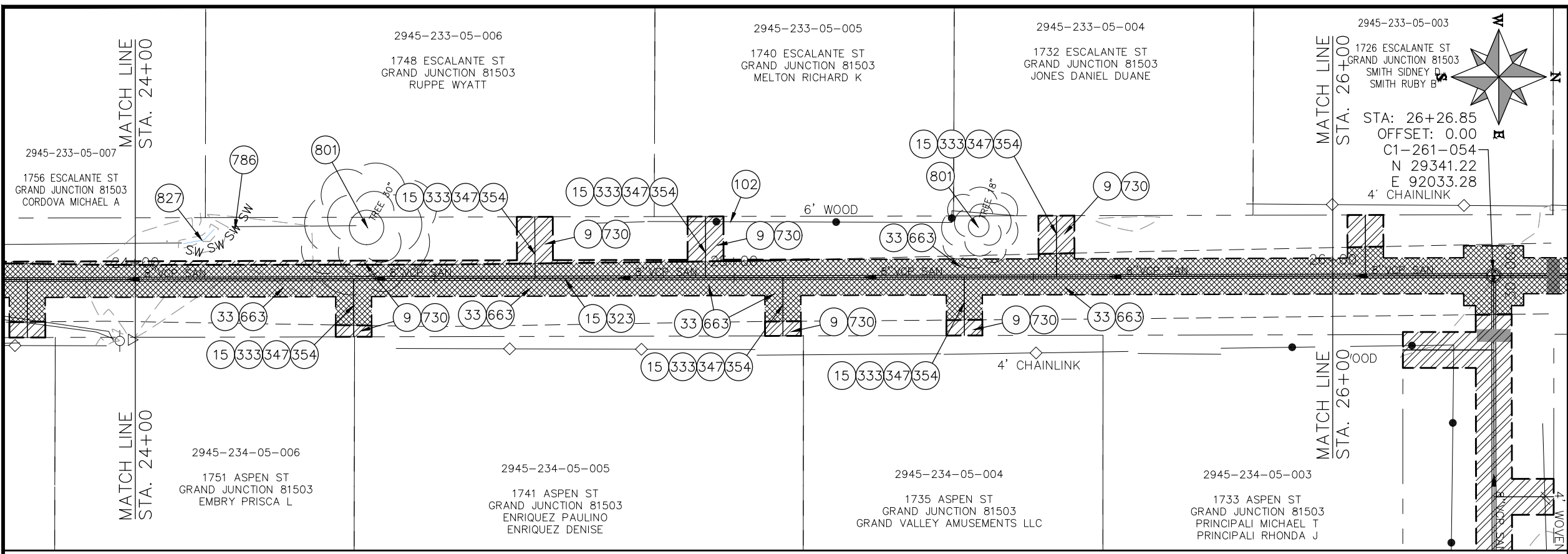
REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

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

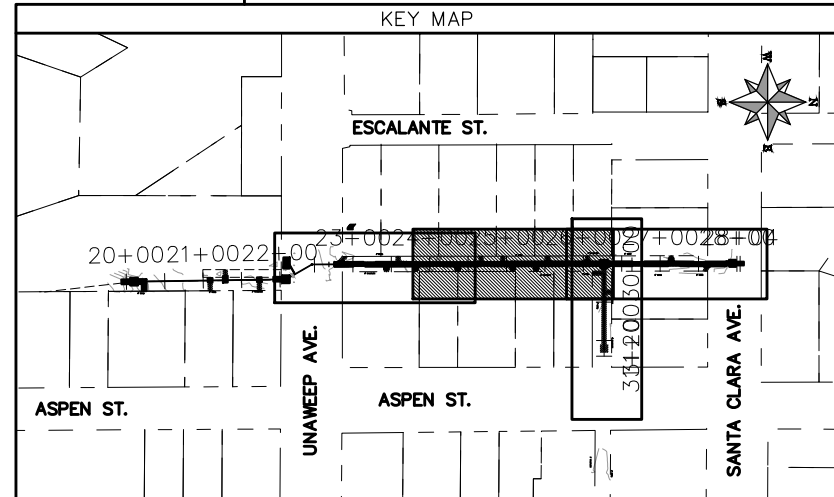
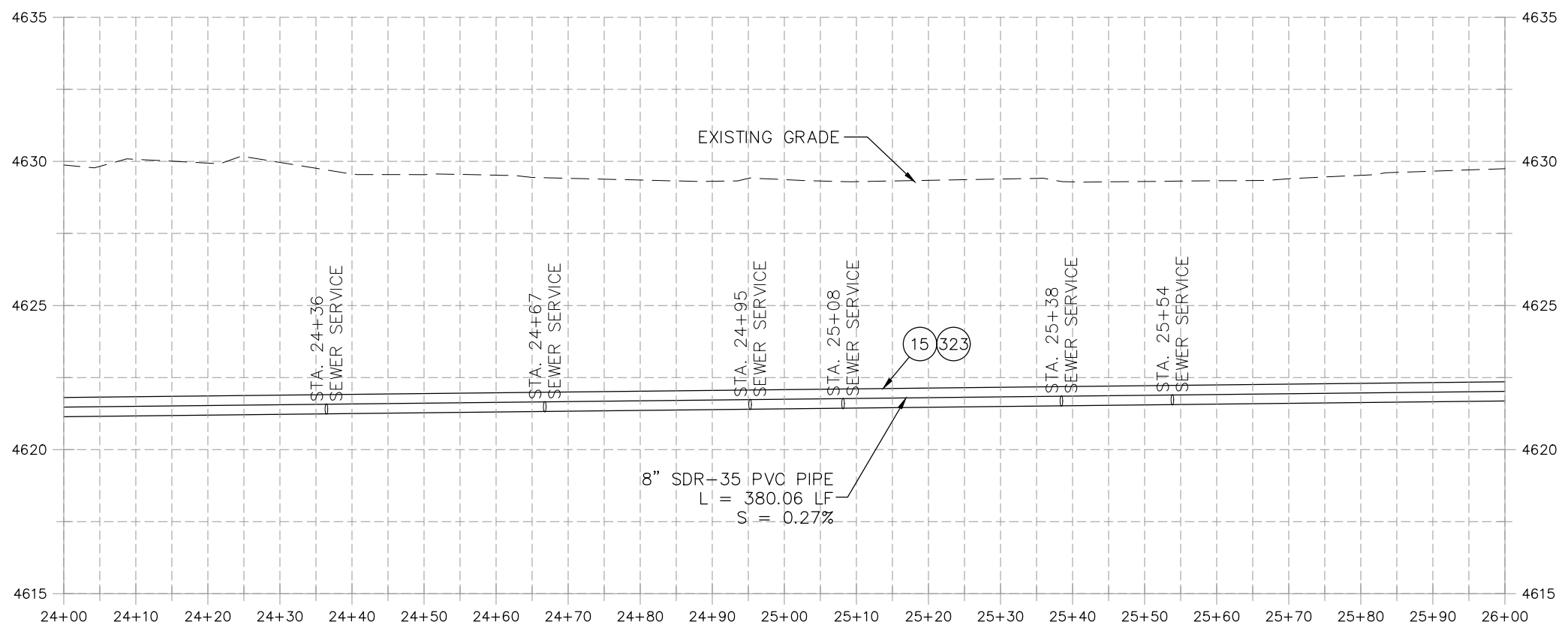


**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ESCALANTE ST PLAN AND PROFILE - ALT 1
STA 20+00 TO STA 22+00**



- CONSTRUCTION NOTES**
- (9) 202 - REMOVAL OF SOD.
 - (15) 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - (33) 202 - REMOVE EXISTING SURFACE MATERIAL
 - (34) SP - PIPE BURST EXISTING SANITARY SEWER PER PROJECT SPECIFICATIONS (8" SDR 21 CERTA-FLO GREENLINE PVC PIPE WITH CERTA-LOK ASSEMBLY OR ENGINEER APPROVED EQUAL)(20' JOINTS). FIELD VERIFY SIZE/MATERIAL PRIOR TO PIPE BURSTING. DURING NEW PIPE INSTALLATION, IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO DOWNSTREAM MANHOLE. MAINTAIN ACCESS TO ALL BUSINESSES DURING INSTALLATION.
 - (102) 210 - RESET FENCE. (HEIGHT AND MATERIAL AS SHOW ON PLAN)
 - (323) 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - (333) 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - (347) 347102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - (354) 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - (663) 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - (730) 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - (786) EROSION CONTROL LOG
 - (801) PROTECT TREE
 - (827) PROTECT IRRIGATION DITCH



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ XXX		202X	----	04/2021
REVISION Δ XXX		202X		4/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

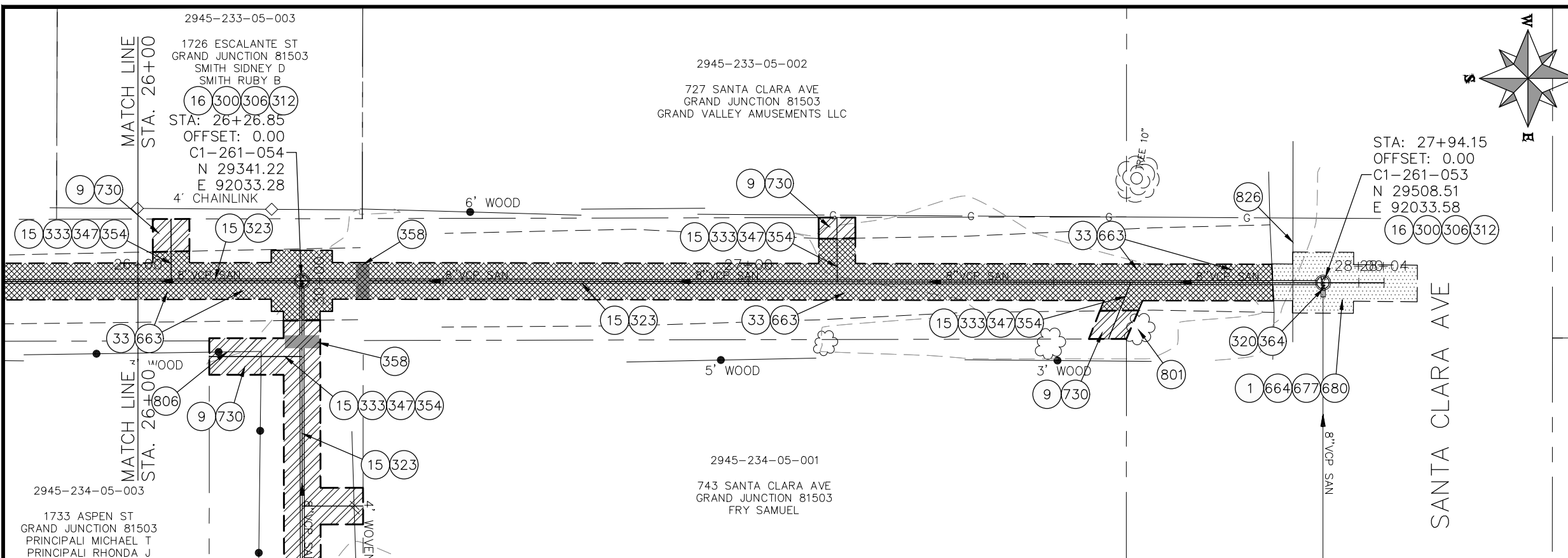
SCALE	DATE	DATE
HORIZONTAL: 1" = 20'	DRAWN BY DJM	04/2021
VERTICAL: 1" = 5'	DESIGNED BY DJM	4/2021
	CHECKED BY EM	2021
	APPROVED BY KH	2021



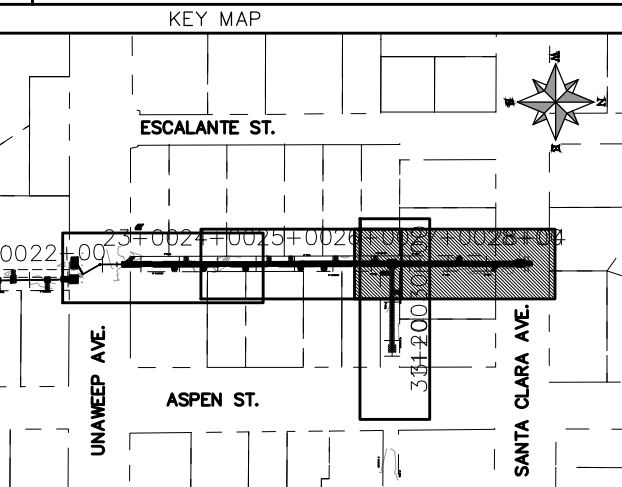
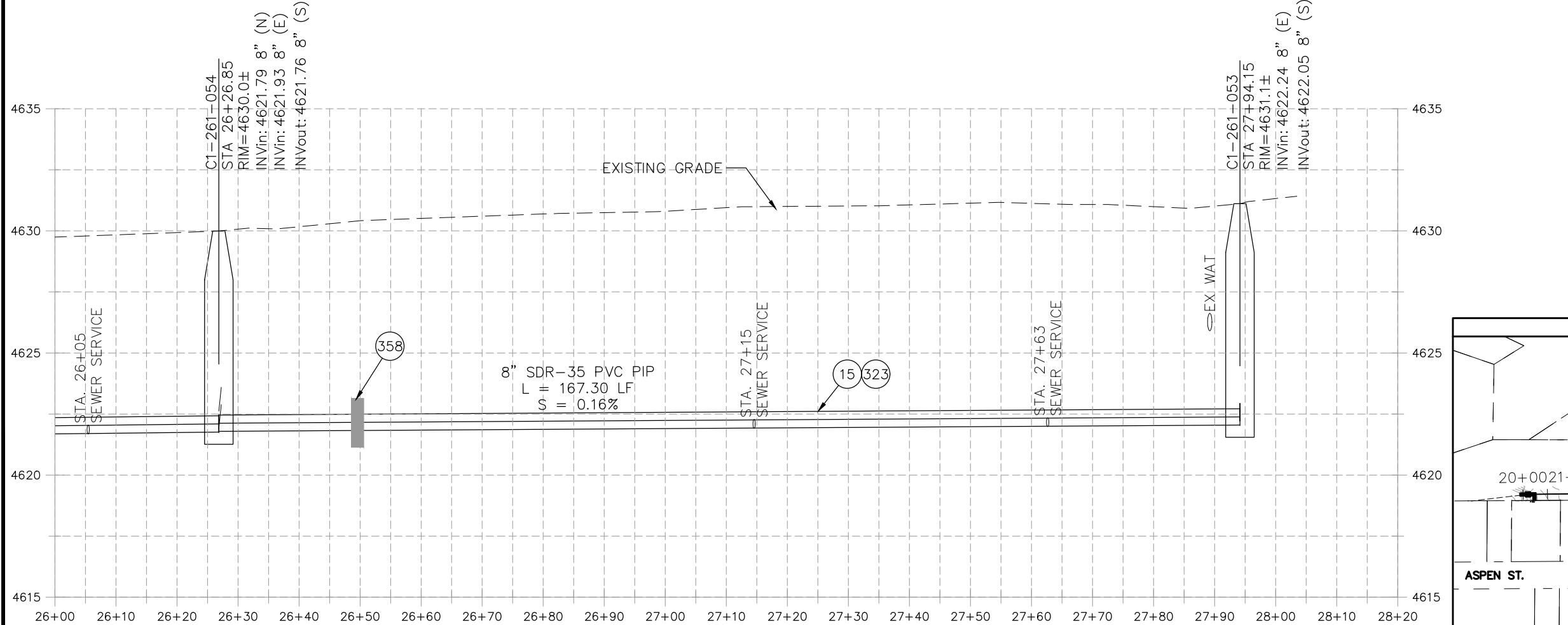
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ESCALANTE ST ALLEY PLAN AND PROFILE - ALT 1
STA 24+00 TO STA 26+00**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\00DESIGN\REVISION 2\Escalante Alley ALT 1.dwg, 7/9/2021 1:26:58 PM, AutoCAD PDF (General Documentation).p3



- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 34 SP - PIPE BURST EXISTING SANITARY SEWER PER PROJECT SPECIFICATIONS (8" SDR 21 CERTA-FLO GREENLINE PVC PIPE WITH CERTA-LOK ASSEMBLY OR ENGINEER APPROVED EQUAL)(20' JOINTS). FIELD VERIFY SIZE/MATERIAL PRIOR TO PIPE BURSTING. DURING NEW PIPE INSTALLATION, IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO DOWNSTREAM MANHOLE. MAINTAIN ACCESS TO ALL BUSINESSES DURING INSTALLATION.
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.), INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 320 102.11 - CONNECT MANHOLE TO EXISTING SANITARY SEWER (SEE PLAN FOR PIPE SIZE AND MATERIAL). CONTRACTOR SHALL USE A PRECAST BASE AND FORM INVERT AROUND THE EXISTING PIPE. "O" RING GASKETS OR OTHER WATER STOPS ARE TO BE PLACED AROUND THE INLET AND OUTLET PIPES TO ENSURE A WATER TIGHT SEAL IS PROVIDED AT THE MH BASE. CARE SHOULD BE TAKEN SO THAT THE EXISTING LINE DOES NOT SAG OR FLOAT DURING CONSTRUCTION. THE TOP OF THE EXISTING PIPE SHALL BE CUT AND REMOVED TO PROVIDE FOR THE NEW INVERT IN. CONTRACTOR SHALL CONTROL SEWER FLOW AND NOT ALLOW DEBRIS TO ENTER THE PIPE.
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 347 347102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 801 PROTECT TREE
 - 806 PROTECT FENCE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ XXX		202X	----	04/2021
REVISION Δ XXX		202X		4/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

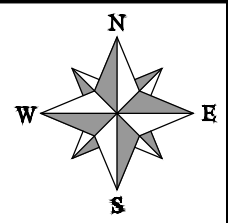
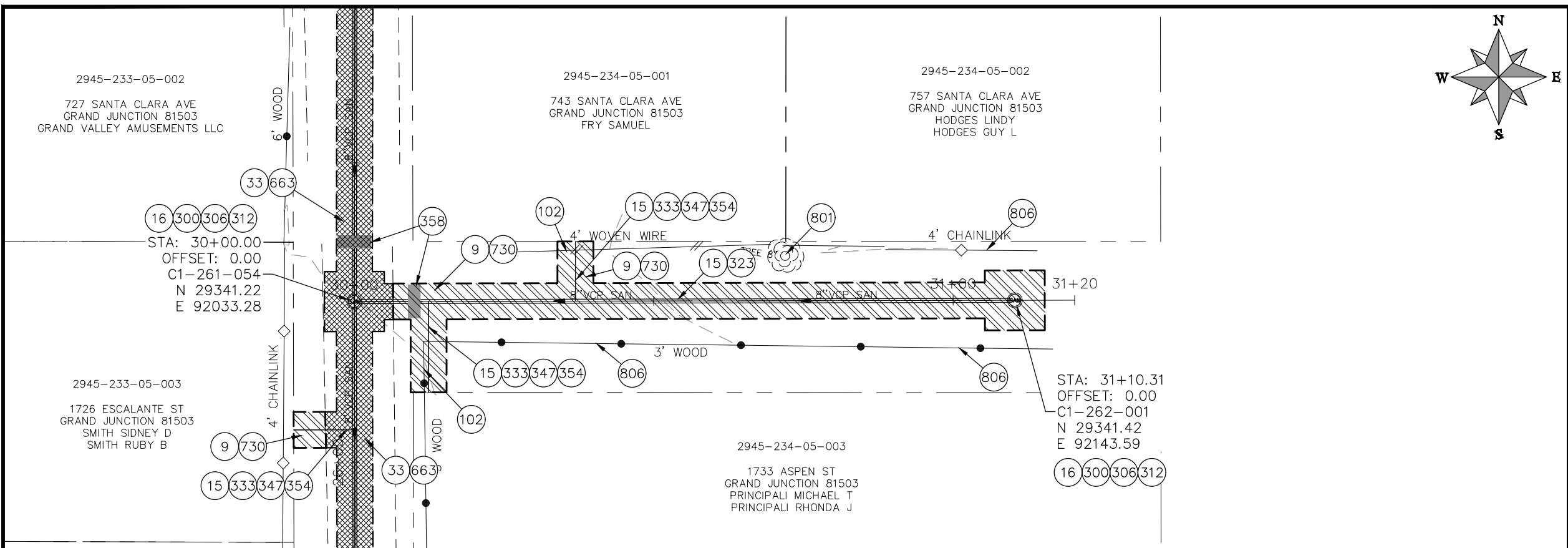
SCALE: PLAN & PROFILE
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'



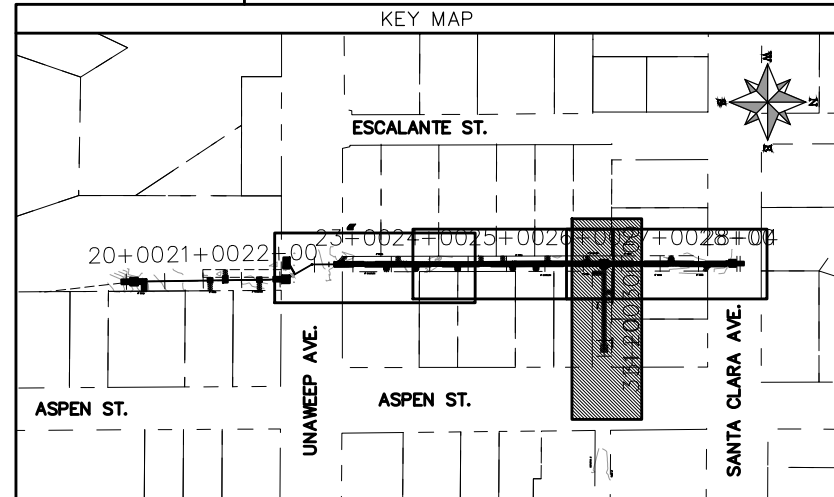
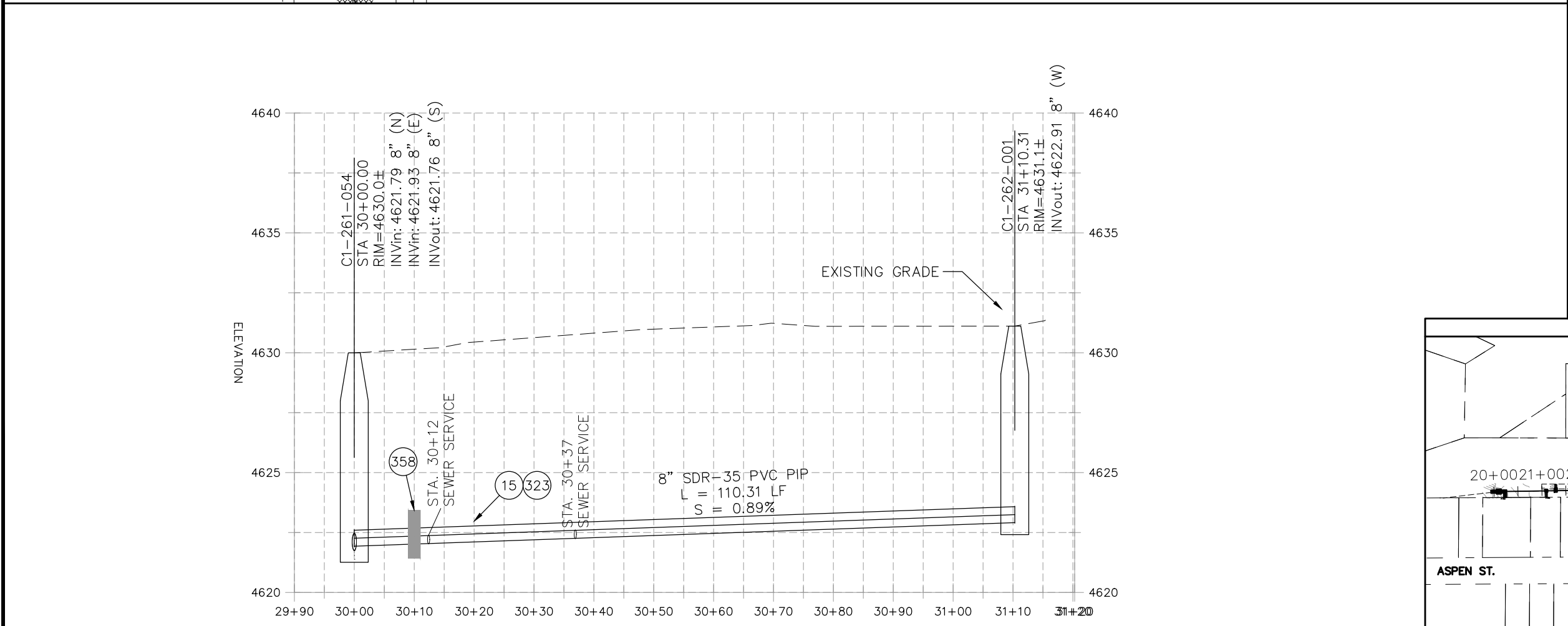
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ESCALANTE ST ALLEY PLAN AND PROFILE - ALT 1
STA 26+00 TO STA 28+17**

N:\Landproj\2021 Sewer Replacements - Phase A - Unaweep Ave\60\CAD\DESIGN\REVISION 2\Escalante Alley ALT 1.dwg, 7/9/2021 1:27:58 PM, AutoCAD PDF (General Documentation).pct



- CONSTRUCTION NOTES**
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 34 SP - PIPE BURST EXISTING SANITARY SEWER PER PROJECT SPECIFICATIONS (8" SDR 21 CERTA-FLO GREENLINE PVC PIPE WITH CERTA-LOK ASSEMBLY OR ENGINEER APPROVED EQUAL)(20' JOINTS). FIELD VERIFY SIZE/MATERIAL PRIOR TO PIPE BURSTING. DURING NEW PIPE INSTALLATION, IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO DOWNSTREAM MANHOLE. MAINTAIN ACCESS TO ALL BUSINESSES DURING INSTALLATION.
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 806 PROTECT FENCE



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION A XXX	202X	04/2021	----	04/2021
REVISION B XXX	202X	4/2021	----	4/2021
REVISION C XXX	202X	2021	----	2021
REVISION D XXX	202X	2021	----	2021

SCALE	DATE
HORIZONTAL: 1" = 20'	04/2021
VERTICAL: 1" = 5'	4/2021



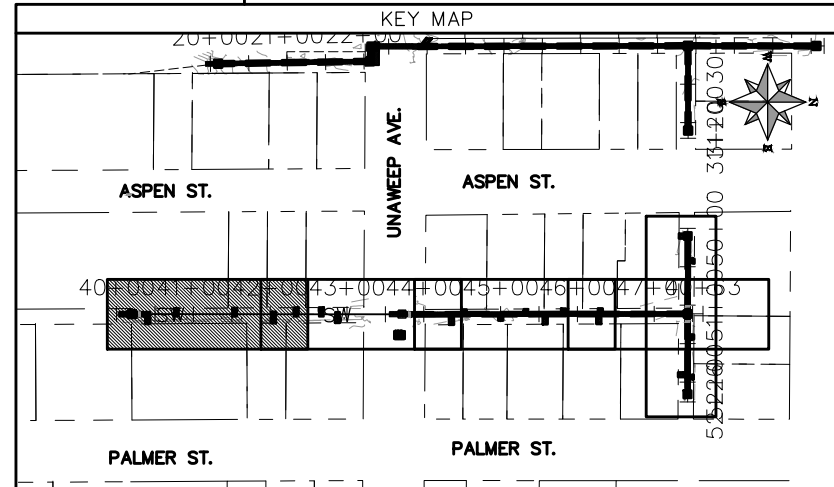
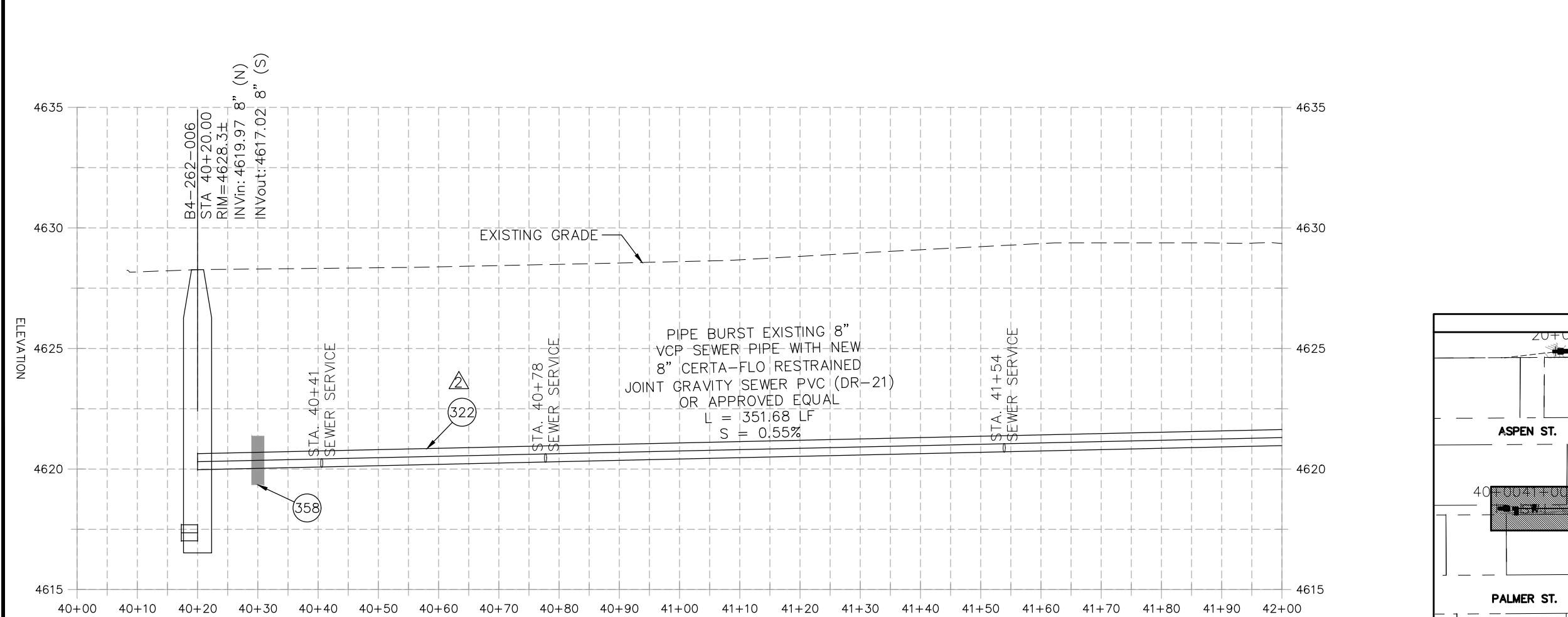
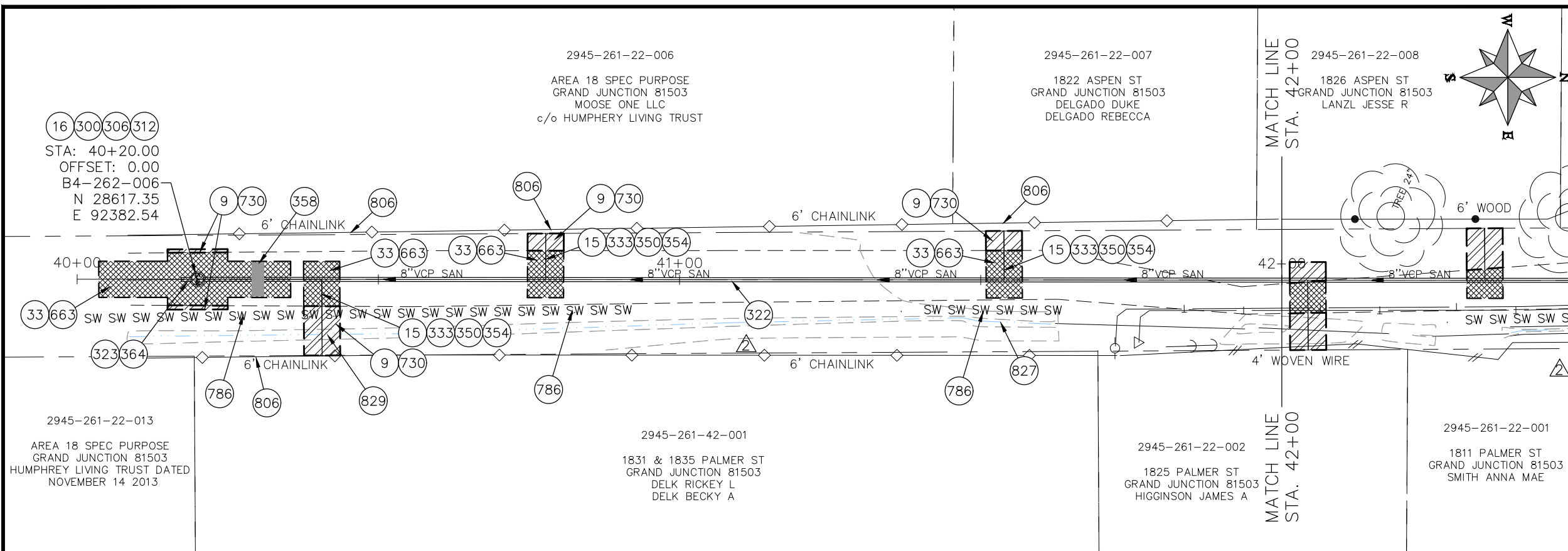
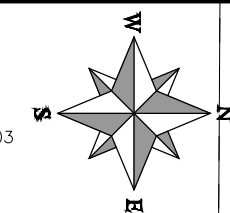
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ESCALANTE ST ALLEY PLAN AND PROFILE - ALT 1
STA 30+00 TO STA 31+20**

N:\Landproj\2021 Sewer Replacements - Phase A - Unaweep Ave\60CAD\00DESIGN\REVISION 2\Escalante Alley ALT 1.dwg, 7/9/2021 1:29:03 PM, AutoCAD PDF (General Documentation).pc3

CONSTRUCTION NOTES

- 9 202 - REMOVAL OF SOD.
- 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
- 16 202 - REMOVAL OF MANHOLE
- 33 202 - REMOVE EXISTING SURFACE MATERIAL
- 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
- 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODEUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
- 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
- 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
- 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 350 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
- 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-06). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-06).
- 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
- 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
- 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
- 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
- 786 208 - EROSION CONTROL LOG
- 806 PROTECT FENCE
- 827 PROTECT IRRIGATION DITCH
- 829 PROTECT IRRIGATION DITCH FLOW. COST IS INCIDENTAL TO COST OF CONSTRUCTION.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

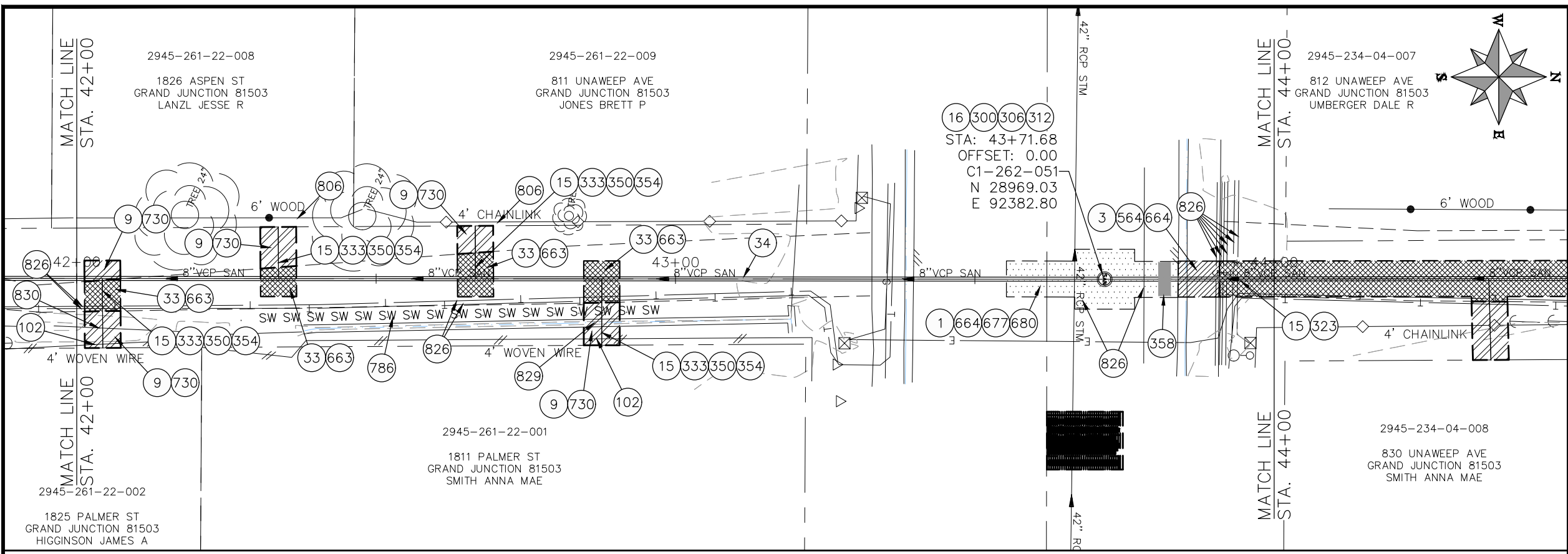
SCALES: PLAN & PROFILE	
HORIZONTAL:	1" = 20'
VERTICAL:	1" = 5'



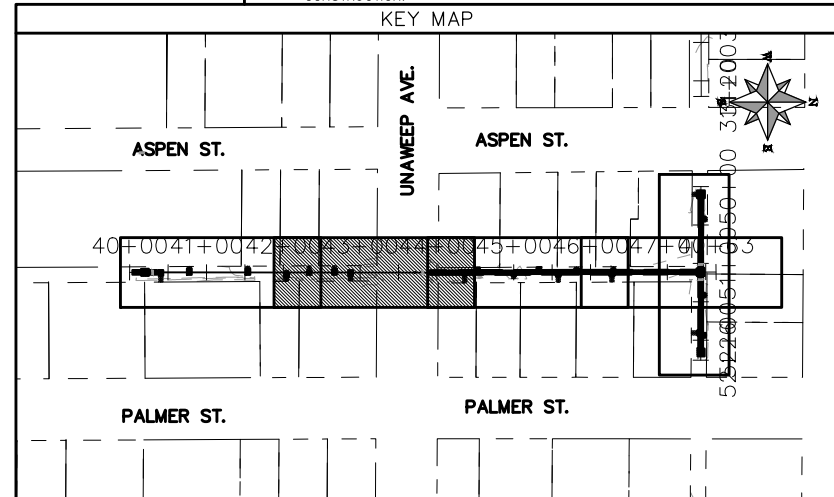
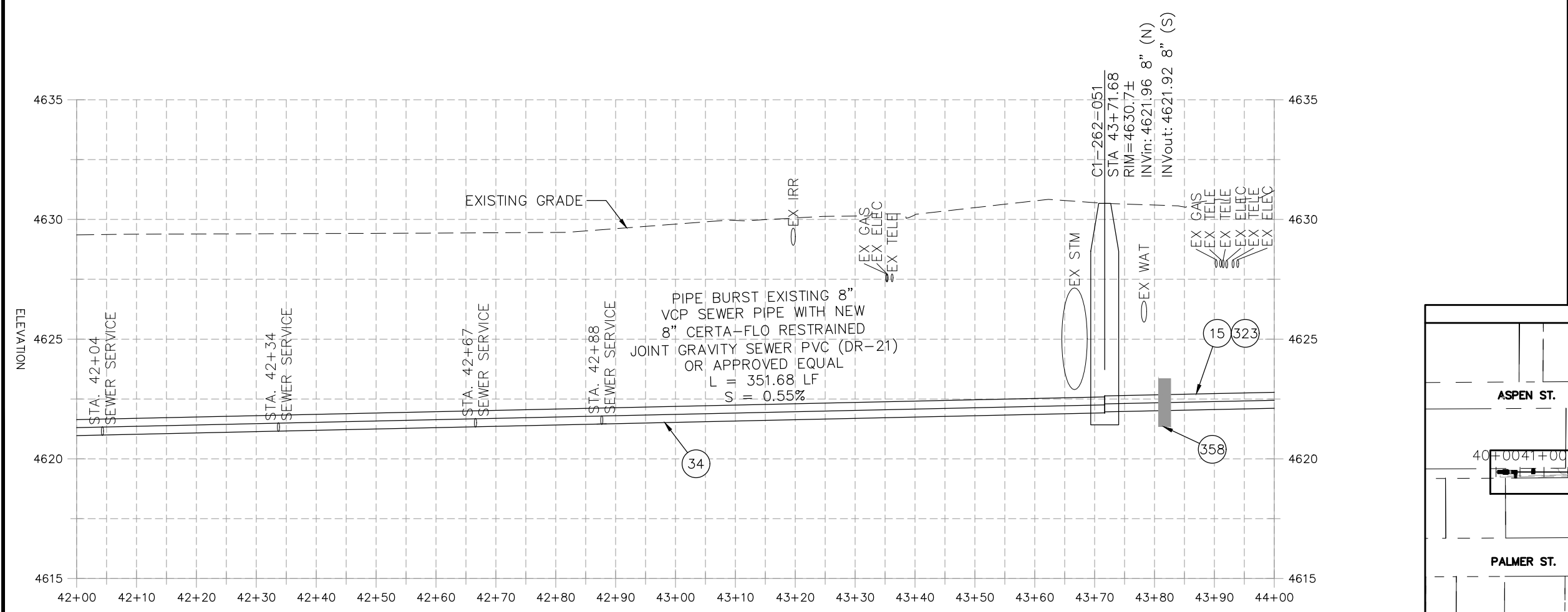
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ASPEN ST ALLEY PLAN AND PROFILE - ALT 1
STA 40+00 TO STA 42+00**

N:\landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\00DESIGN\REVISION 2\Aspen Alley ALT 1.dwg, 7/9/2021 1:30:24 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- (1) 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - (3) 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - (9) 202 - REMOVAL OF SOD.
 - (15) 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - (16) 202 - REMOVAL OF MANHOLE
 - (33) 202 - REMOVE EXISTING SURFACE MATERIAL
 - (34) SP - PIPE BURST EXISTING SANITARY SEWER PER PROJECT SPECIFICATIONS (8" SDR 21 CERTA-FLO GREENLINE PVC PIPE WITH CERTA-LOK ASSEMBLY OR ENGINEER APPROVED EQUAL)(20' JOINTS). FIELD VERIFY SIZE/MATERIAL PRIOR TO PIPE BURSTING. DURING NEW PIPE INSTALLATION, IT WILL BE NECESSARY TO BYPASS PUMP SEWAGE AROUND WORK TO DOWNSTREAM MANHOLE. MAINTAIN ACCESS TO ALL BUSINESSES DURING INSTALLATION.
 - (102) 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - (300) 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - (306) 102.11/108.5 - MANHOLE BARREL SECTION (D>S) (48" I.D.).
 - (312) 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODEUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - (323) 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - (333) 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - (350) 8"x4" SEWER SERVICE TAP, TAPPING SADDLE (TO BE USED ON THE CERTA-FLO PVC PIPE) (INCLUDES SADDLE, BEDDING MATERIAL, CLEAN-OUT AND ALL FITTINGS REQUIRED TO ALIGN AND CONNECT THE SEWER SERVICE PIPE TO THE SEWER TAP) (CONTRACTOR MUST PROPERLY SUPPORT THE TAPPING SADDLE WITH CRUSHED PIPE BEDDING MATERIAL TO AVOID SADDLE ROTATION DURING BACKFILLING AND COMPACTION).
 - (354) 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-06). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-06).
 - (358) 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - (564) 608.06 - MONOLITHIC DRIVE OVER CURB, GUTTER AND SIDEWALK (7' WIDE)
 - (663) 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - (664) 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - (677) 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - (680) 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - (730) 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - (786) EROSION CONTROL LOG
 - (806) PROTECT FENCE
 - (826) PROTECT EXISTING UTILITY LINE IN PLACE.
 - (829) PROTECT IRRIGATION CULVERT. COST IS INCIDENTAL TO COST OF CONSTRUCTION.



REVISION	DESCRIPTION	DATE	PROJECT NO.
REVISION Δ XXX	202X	04/2021	----
REVISION Δ XXX	202X	4/2021	----
REVISION Δ XXX	202X	2021	----
REVISION Δ XXX	202X	2021	----

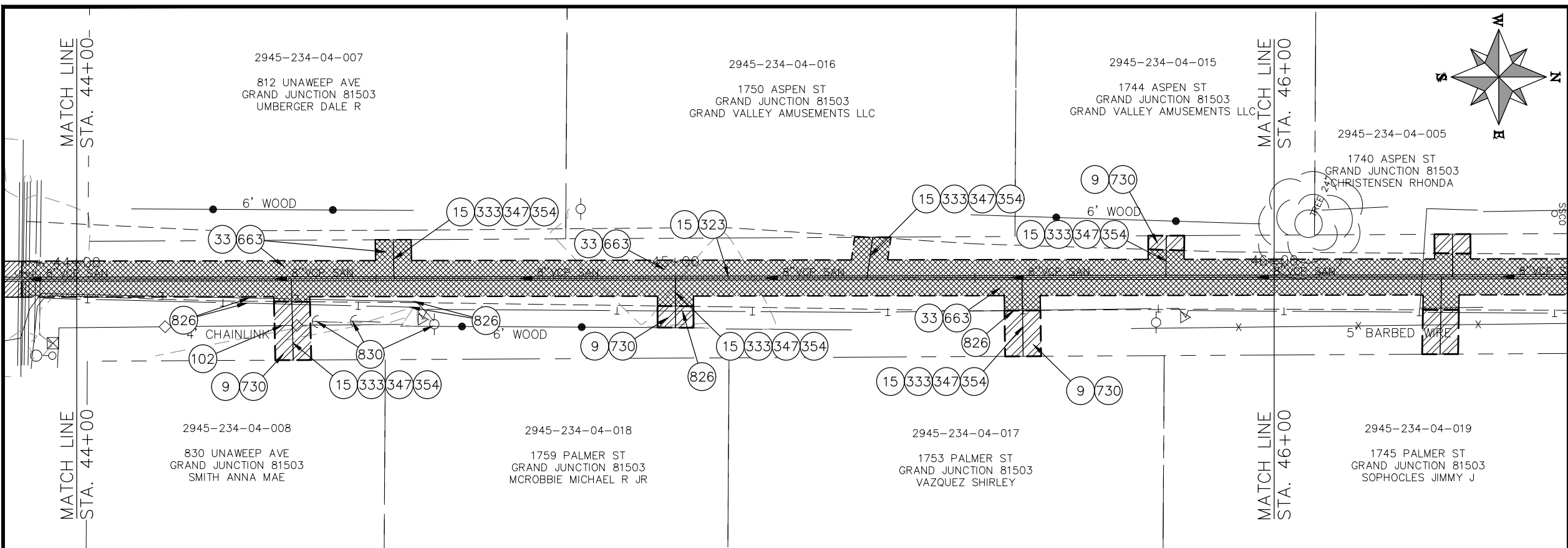
SCALE	DATE	BY
DRAWN BY DJM	DATE 04/2021	
DESIGNED BY DJM	DATE 4/2021	
CHECKED BY EM	DATE 2021	
APPROVED BY KH	DATE 2021	



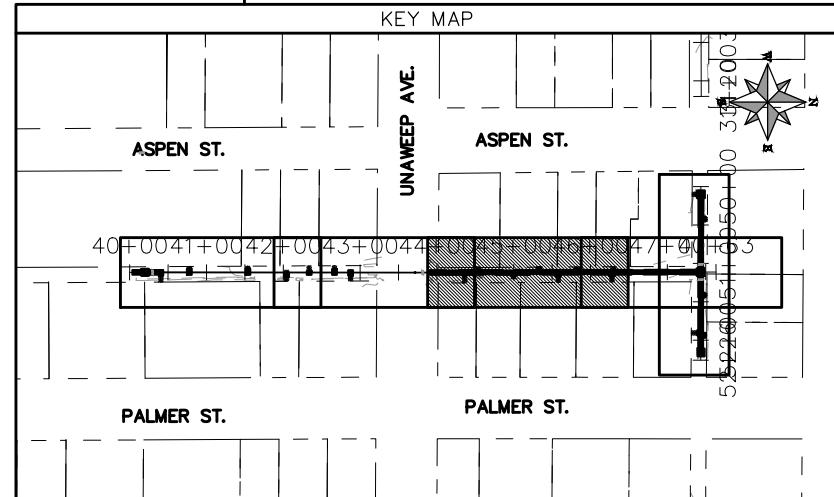
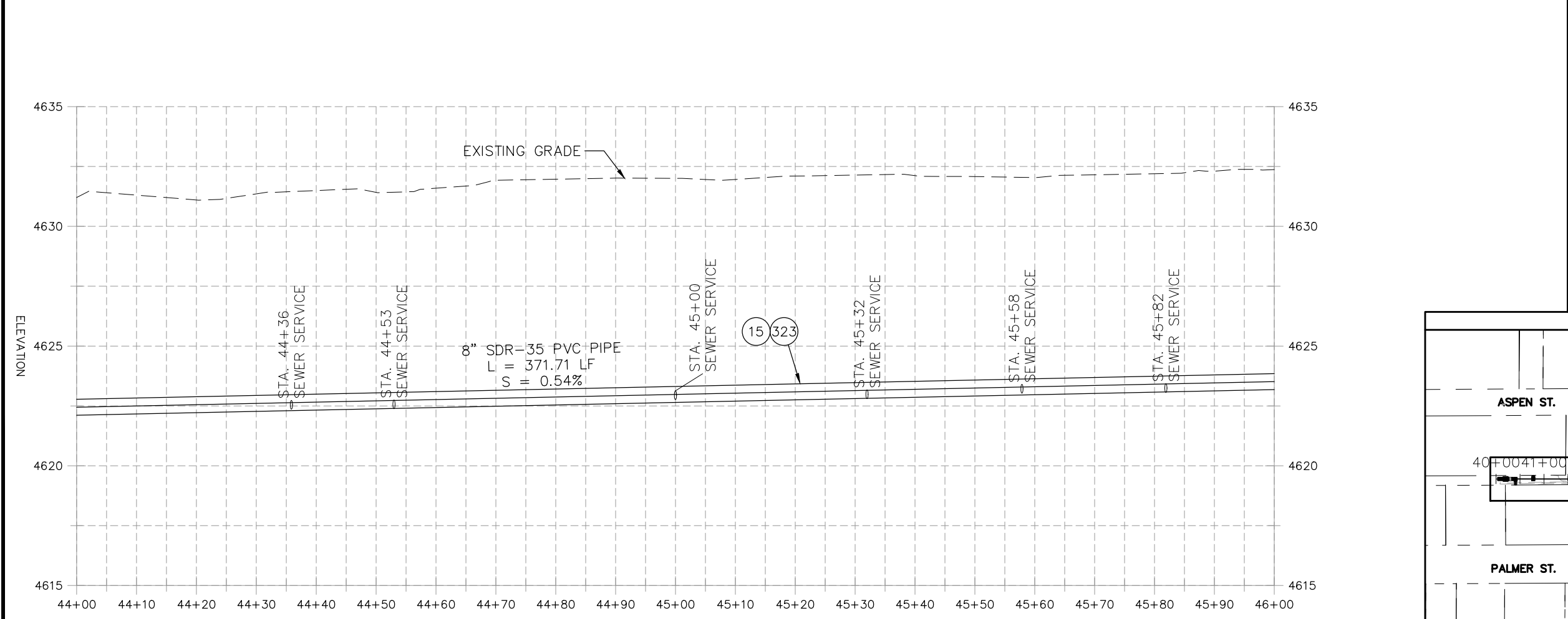
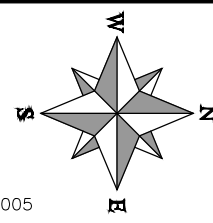
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ASPEN ST ALLEY PLAN AND PROFILE - ALT 1
STA 42+00 TO STA 44+00**

N:\landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\Aspen Alley ALT 1.dwg, 7/9/2021 1:31:12 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-06). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-06).
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.
 - 830 PROTECT GUY WIRE AND POWER POLE



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ XXX		202X	----	04/2021
REVISION Δ XXX		202X		4/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

SCALES: PLAN & PROFILE

HORIZONTAL: 1" = 20'

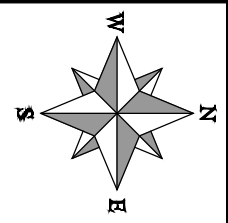
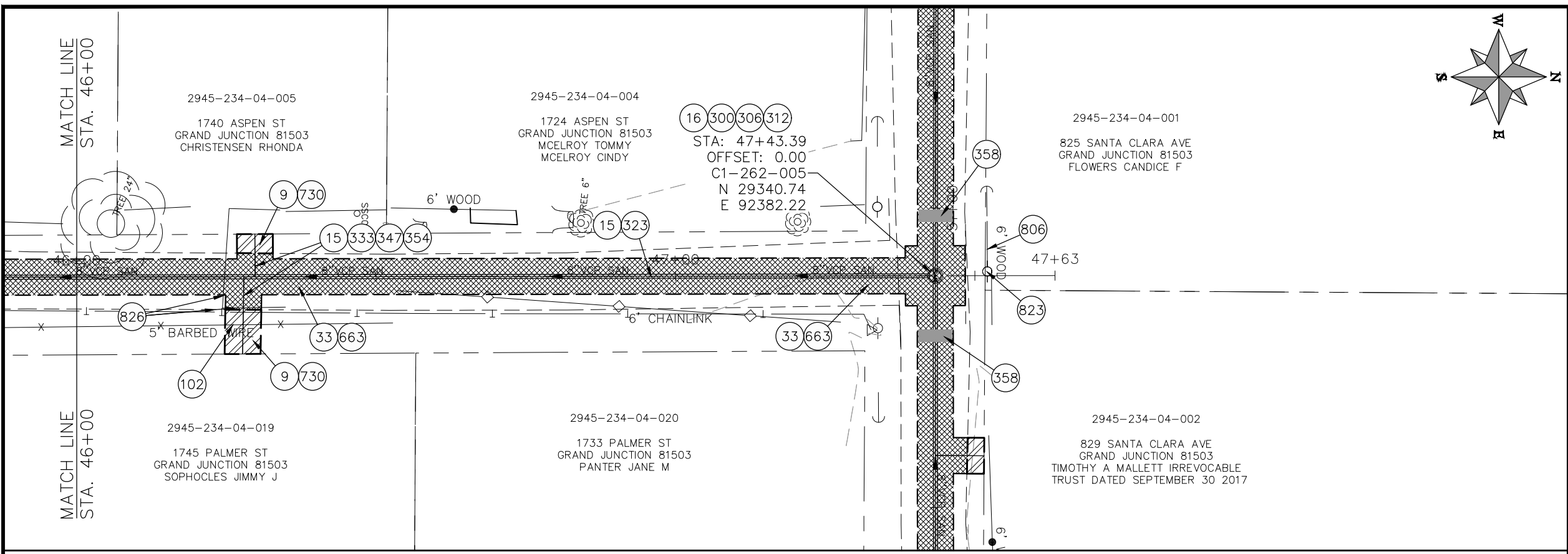
VERTICAL: 1" = 5'



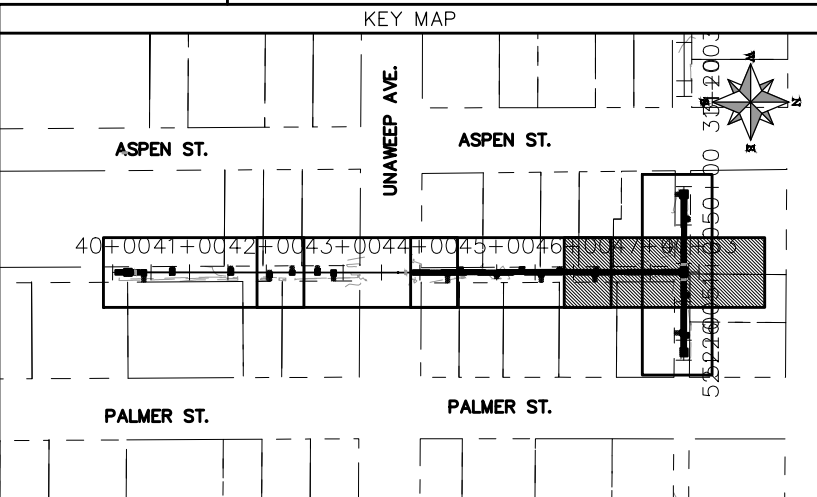
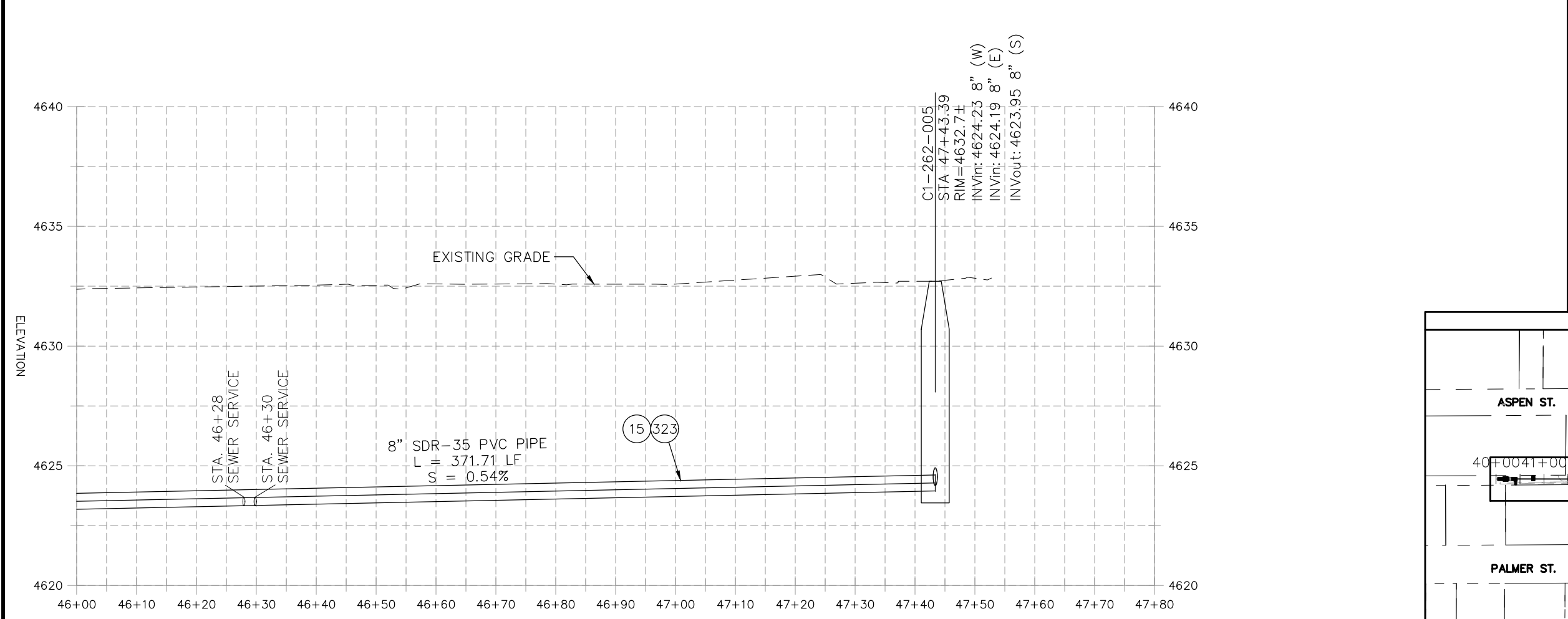
PUBLIC WORKS
ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT - PHASE A
ASPEN ST ALLEY PLAN AND PROFILE - ALT 1
STA 44+00 TO STA 46+00

N:\Landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60\CAD\00DESIGN\REVISION 2\Aspen Alley ALT 1.dwg, 7/9/2021 1:32:02 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-06). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-06).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 806 PROTECT FENCE
 - 823 PROTECT UTILITY POLE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ XXX		202X	----	04/2021
REVISION Δ XXX		202X		4/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

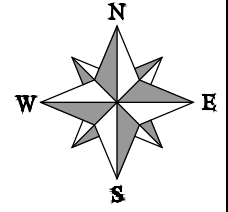
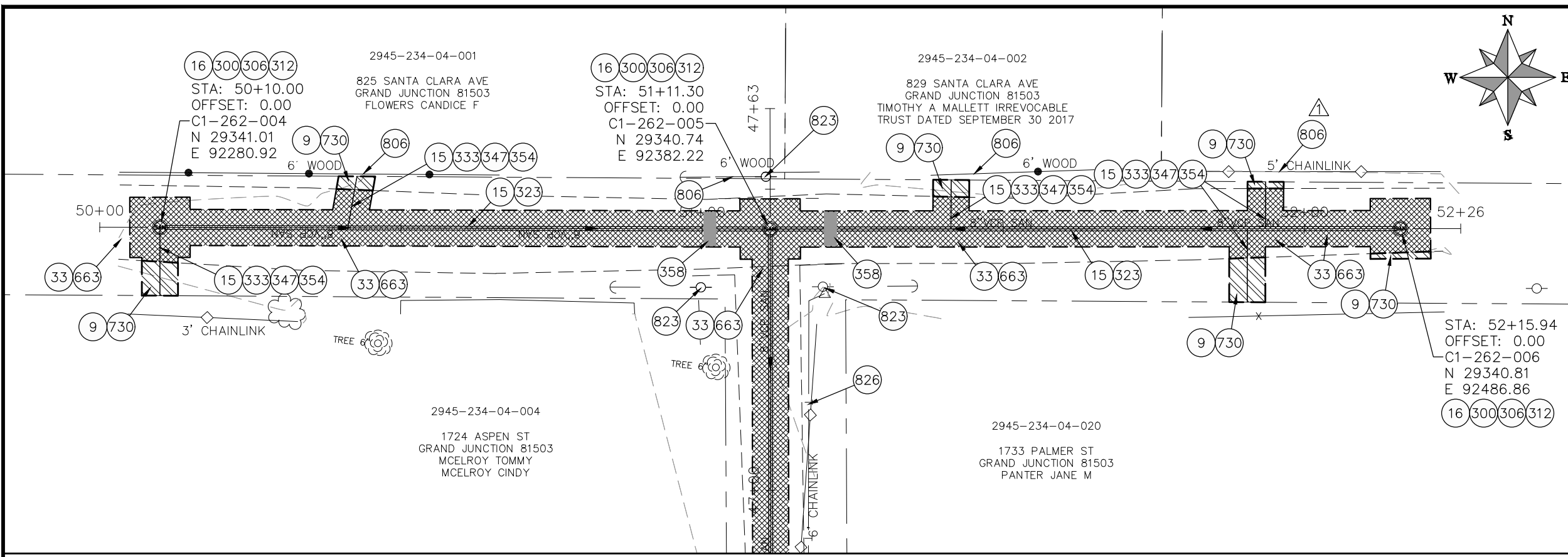
SCALE	DESCRIPTION
0 5 10 20	HORIZONTAL: 1" = 20'
0 1.25 2.5 5	VERTICAL: 1" = 5'



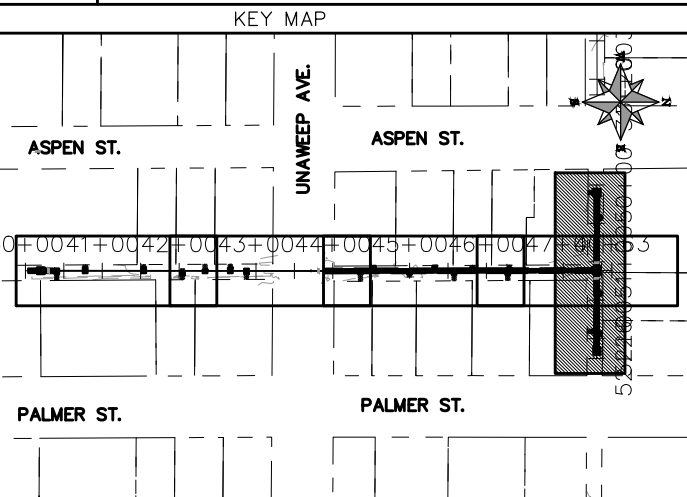
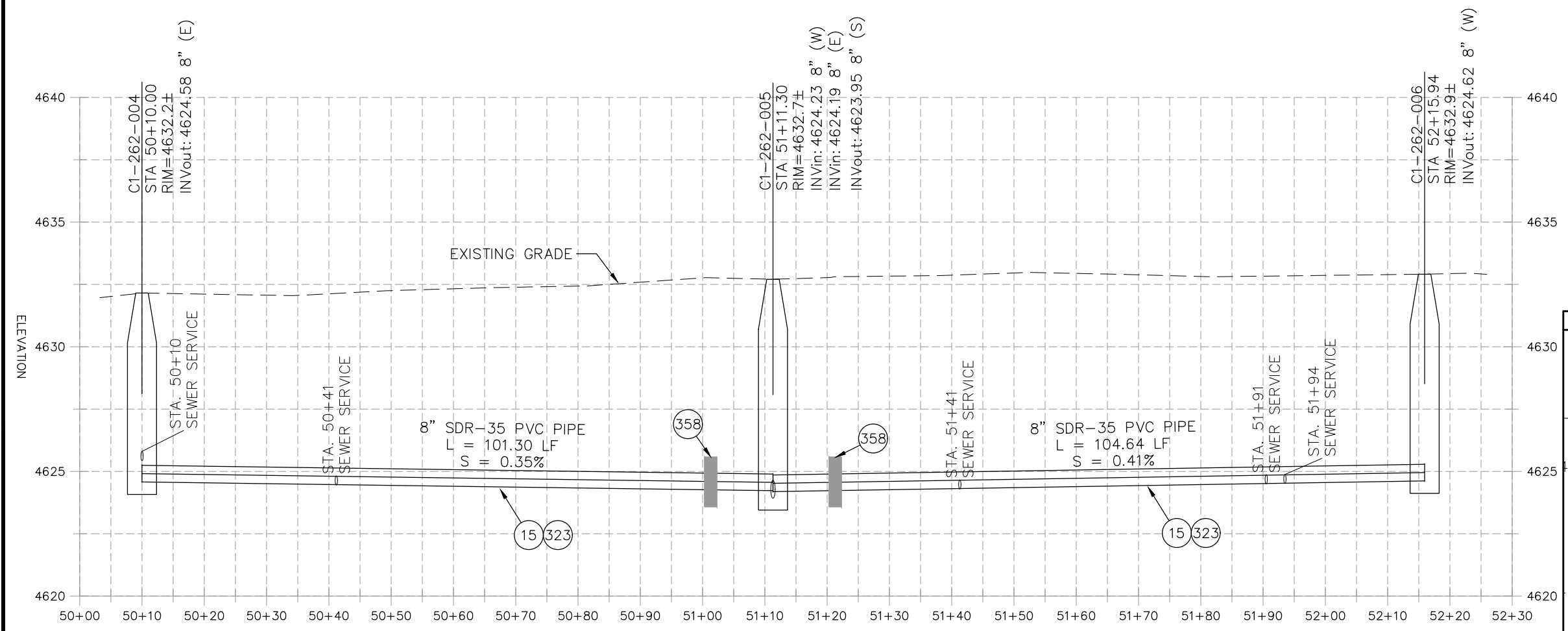
PUBLIC WORKS
ENGINEERING DIVISION

2021 SEWER LINE REPLACEMENT - PHASE A
ASPEN ST ALLEY PLAN AND PROFILE - ALT 1
STA 46+00 TO STA 47+63

N:\Landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\00DESIGN\REVISION 2\Aspen Alley ALT 1.dwg, 7/9/2021 1:32:47 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (CASTAGRA ECODUR 201 PROTECTIVE COATING OR APPROVED EQUAL) (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-06). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-06).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 806 PROTECT FENCE
 - 823 PROTECT UTILITY POLE



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ XXX		202X	----	04/2021
REVISION Δ XXX		202X		4/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

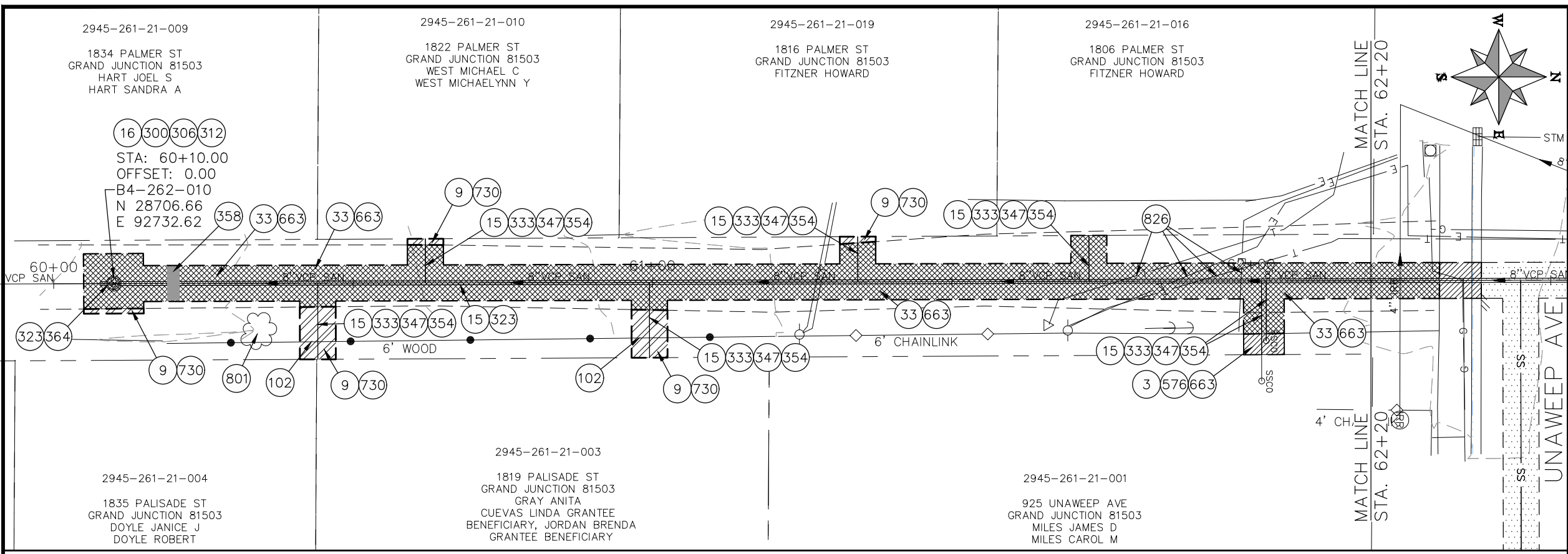
SCALE	DATE	DESIGNED BY	CHECKED BY	APPROVED BY
SCALE: PLAN & PROFILE		DJM	EM	KH
HORIZONTAL: 1" = 20'				
VERTICAL: 1" = 5'				



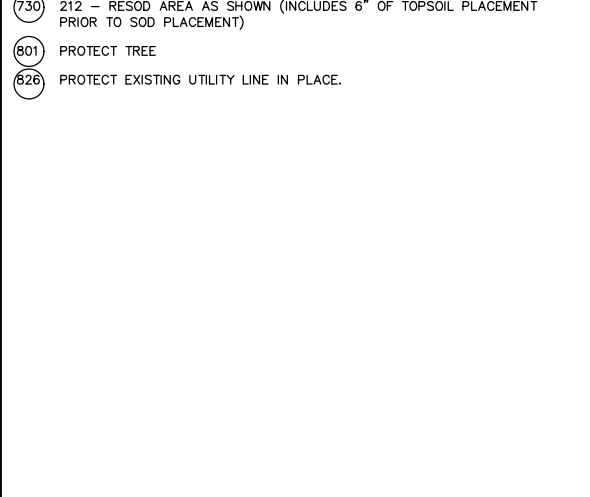
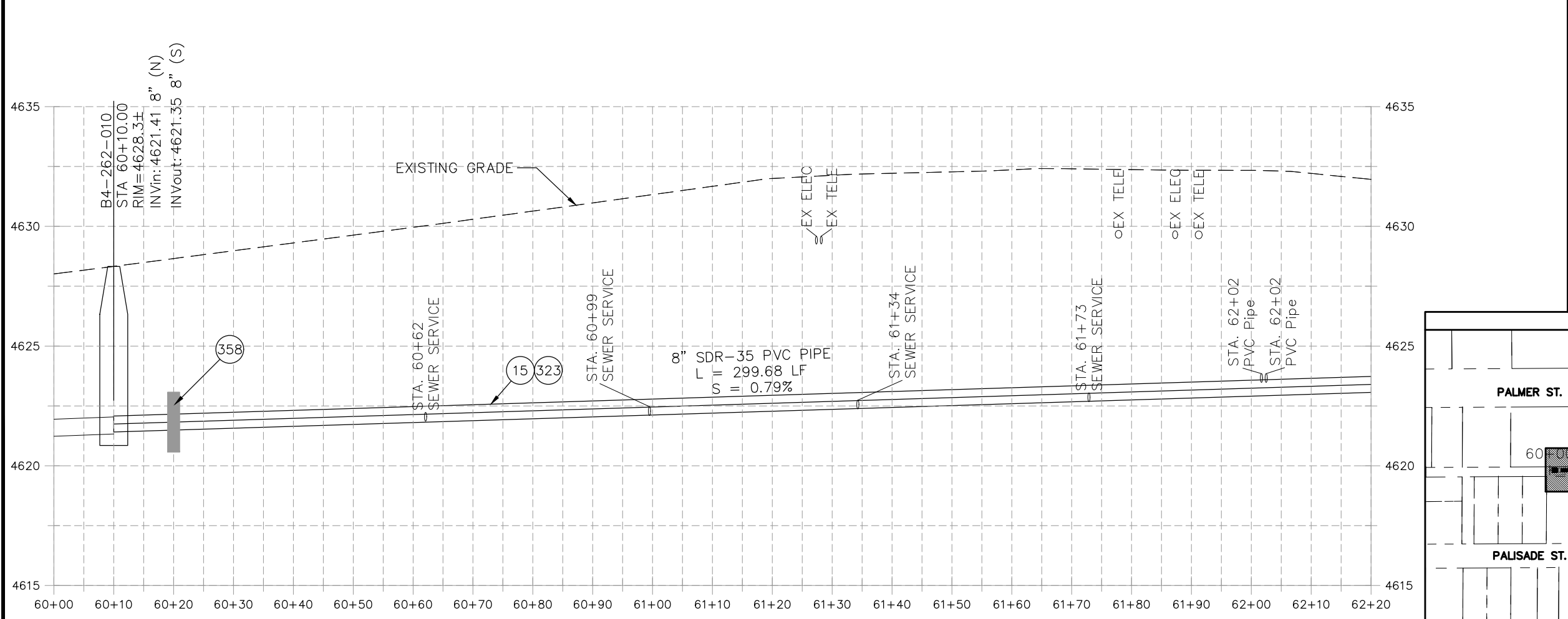
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
ASPEN ST ALLEY PLAN AND PROFILE - ALT 1
STA 50+00 TO STA 52+30**

N:\landproj\2021 Sewer Replacements - Phase A - Unawee Ave\60\CAD\00DESIGN\REVISION 2\Aspen Alley ALT 1.dwg, 7/9/2021 1:33:37 PM, Autocad PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 576 608.06 - CONCRETE DRIVEWAY SECTION (6" THICK) (RESIDENTIAL)
 - 663 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 801 PROTECT TREE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ XXX		202X	----	04/2021
REVISION Δ XXX		202X		4/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

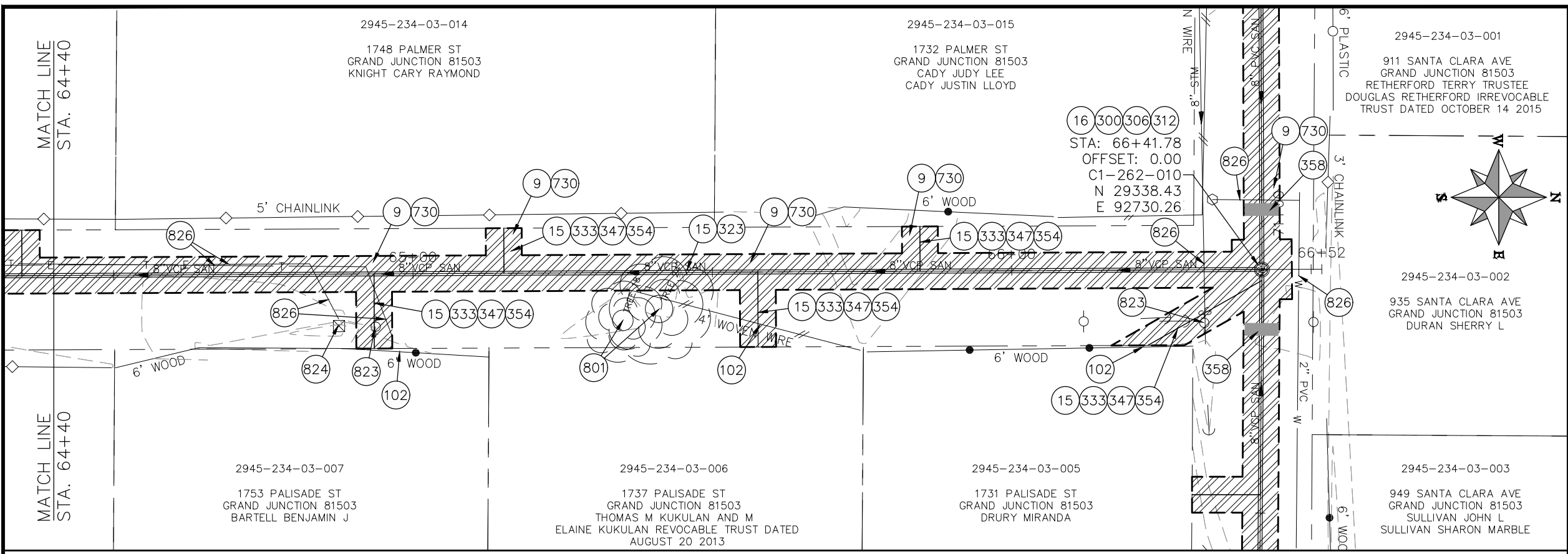
SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



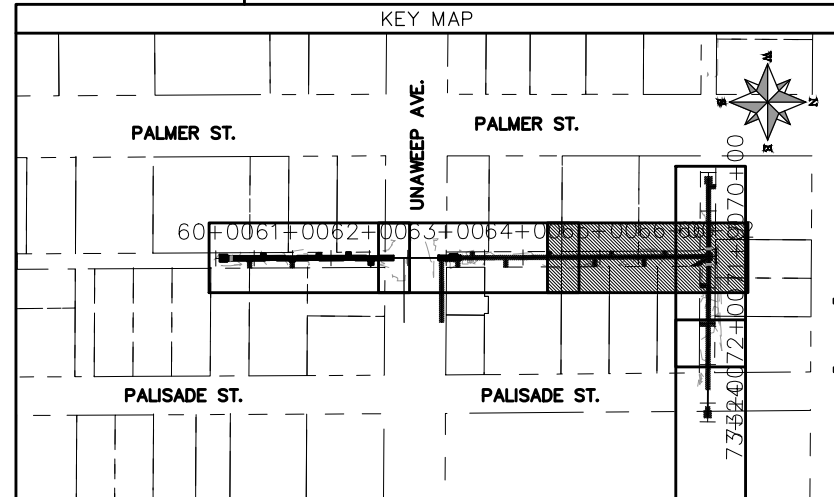
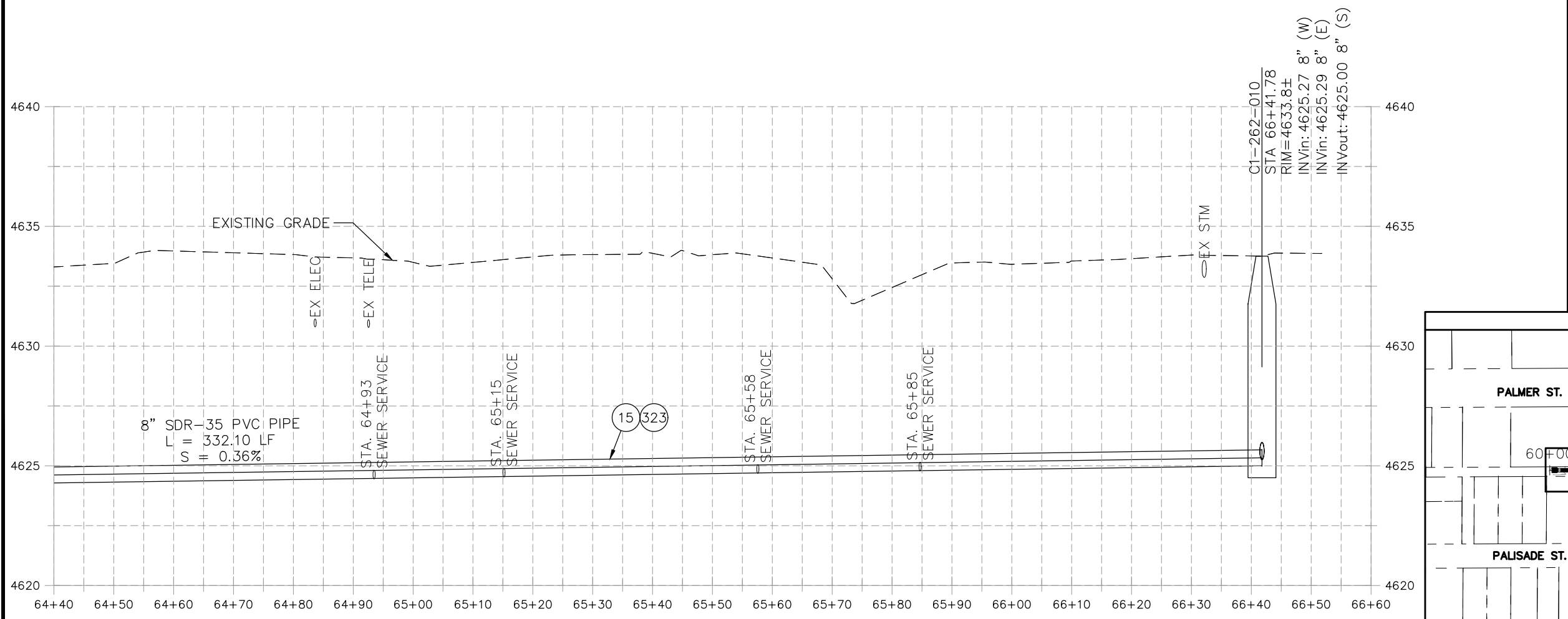
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
PALMER ST ALLEY PLAN AND PROFILE - ALT 1
STA 60+00 TO STA 62+20**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\00DESIGN\REVISION 2\Palmer Alley ALT 1.dwg, 7/9/2021 3:12:13 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 33 202 - REMOVE EXISTING SURFACE MATERIAL
 - 102 210 - RESET FENCE (HEIGHT AND MATERIAL SHOWN ON PLAN)
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 801 PROTECT TREE
 - 823 PROTECT UTILITY POLE
 - 824 PROTECT UTILITY PEDESTAL
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ XXX		202X	---	04/2021
REVISION Δ XXX		202X	---	4/2021
REVISION Δ XXX		202X	---	2021
REVISION Δ XXX		202X	---	2021

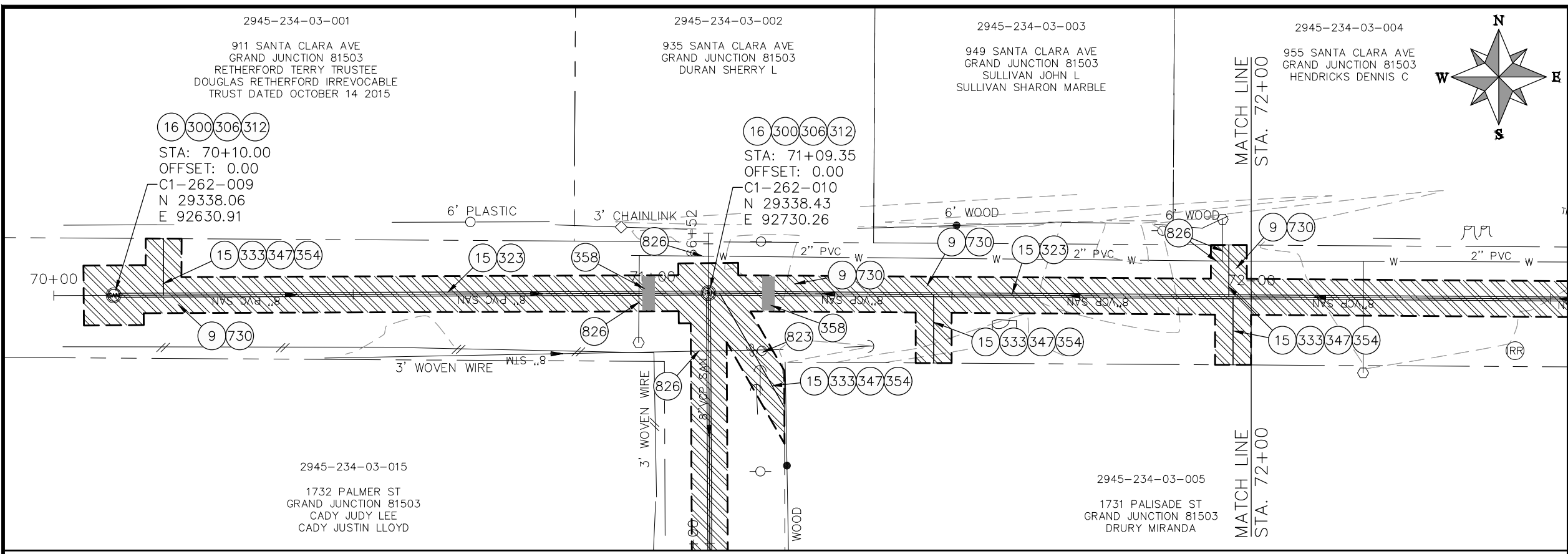
SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



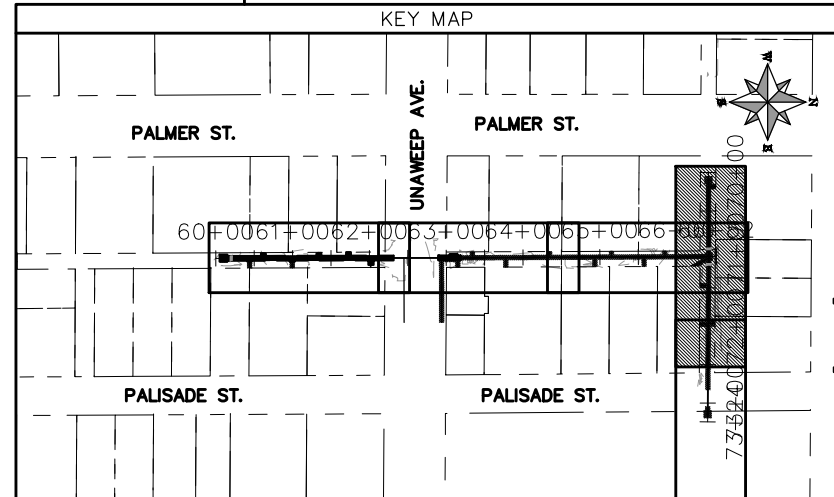
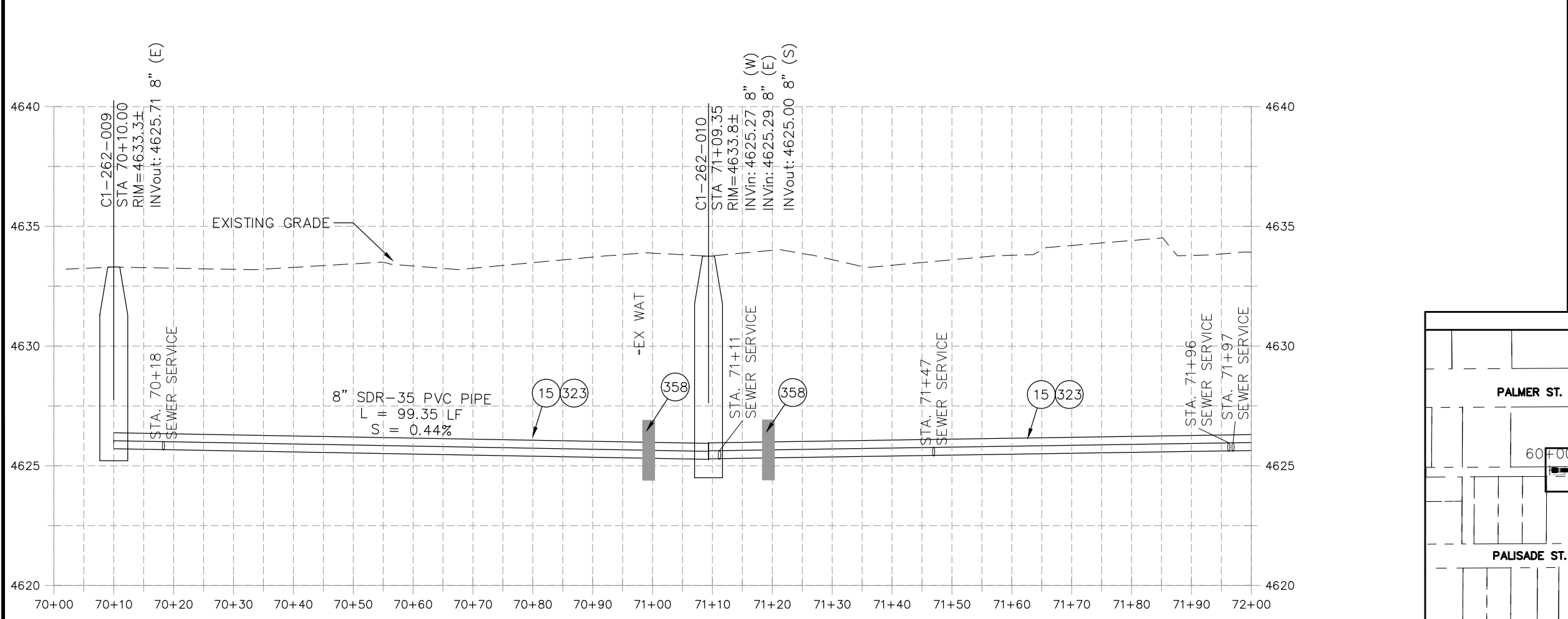
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
PALMER ST ALLEY PLAN AND PROFILE - ALT 1
STA 64+40 TO STA 66+52**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawsep Ave\60CAD\00DESIGN\REVISION 2\Palmer Alley ALT 1.dwg, 7/9/2021 1:36:08 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 347 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 823 PROTECT UTILITY POLE
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ XXX		202X	----	04/2021
REVISION Δ XXX		202X		4/2021
REVISION Δ XXX		202X		2021
REVISION Δ XXX		202X		2021

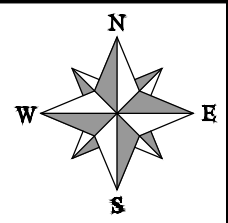
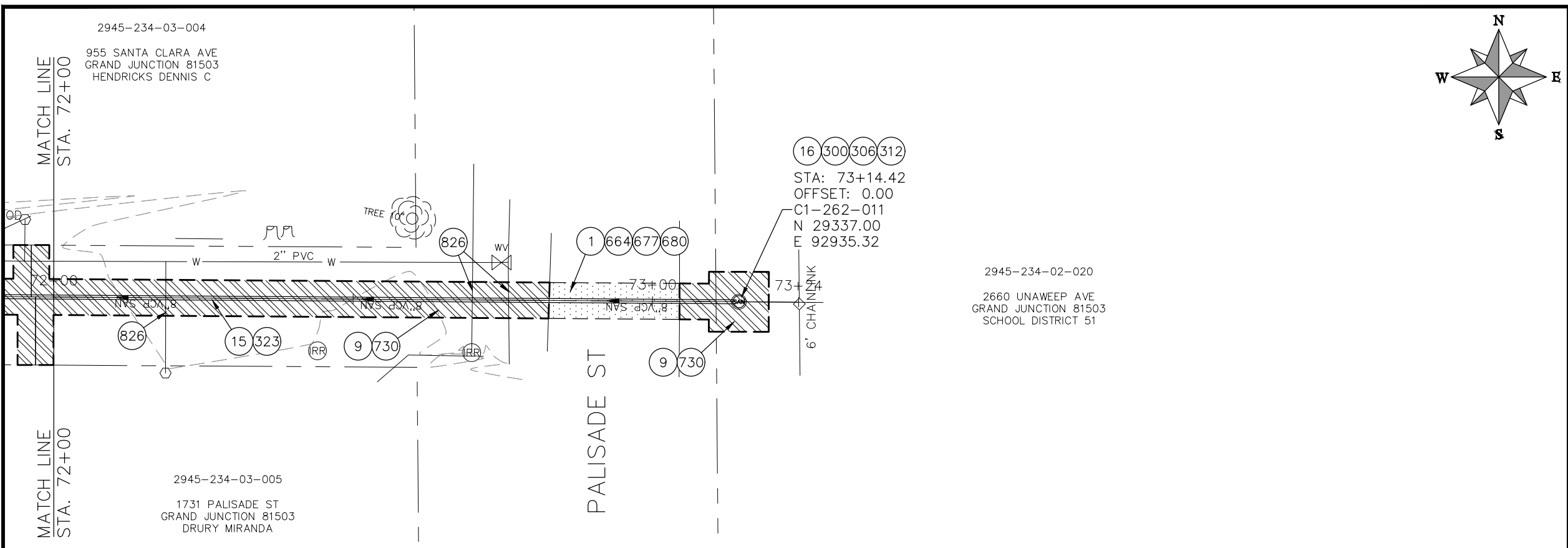
SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 20'	0 5 10 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



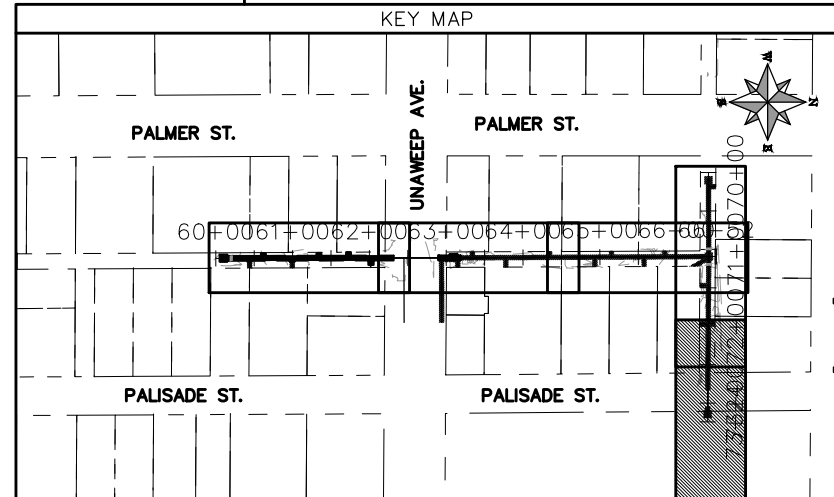
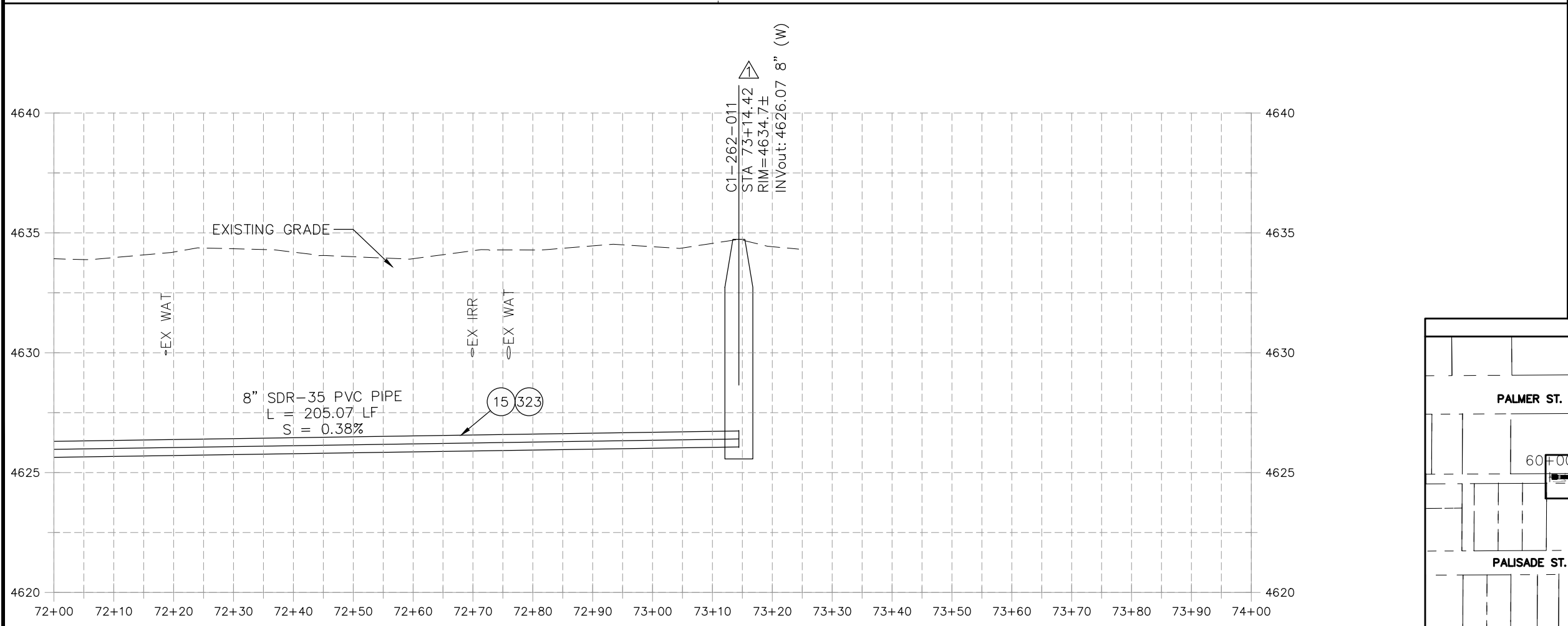
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
PALMER ST ALLEY PLAN AND PROFILE - ALT 1
STA 70+00 TO 72+00**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\00DESIGN\REVISION 2\Palmer Alley ALT 1.dwg, 7/9/2021 1:36:48 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- ① 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - ⑨ 202 - REMOVAL OF SOD.
 - ⑮ 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - ⑯ 202 - REMOVAL OF MANHOLE
 - ③③ 202 - REMOVE EXISTING SURFACE MATERIAL
 - ⑤00 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - ③06 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
 - ③12 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - ③23 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - ③47 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - ⑥64 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - ⑥77 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - ⑥80 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - ⑦30 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - ⑧26 PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
△ XXX		202X	----	04/2021
△ XXX		202X		4/2021
△ XXX		202X		2021
△ XXX		202X		2021

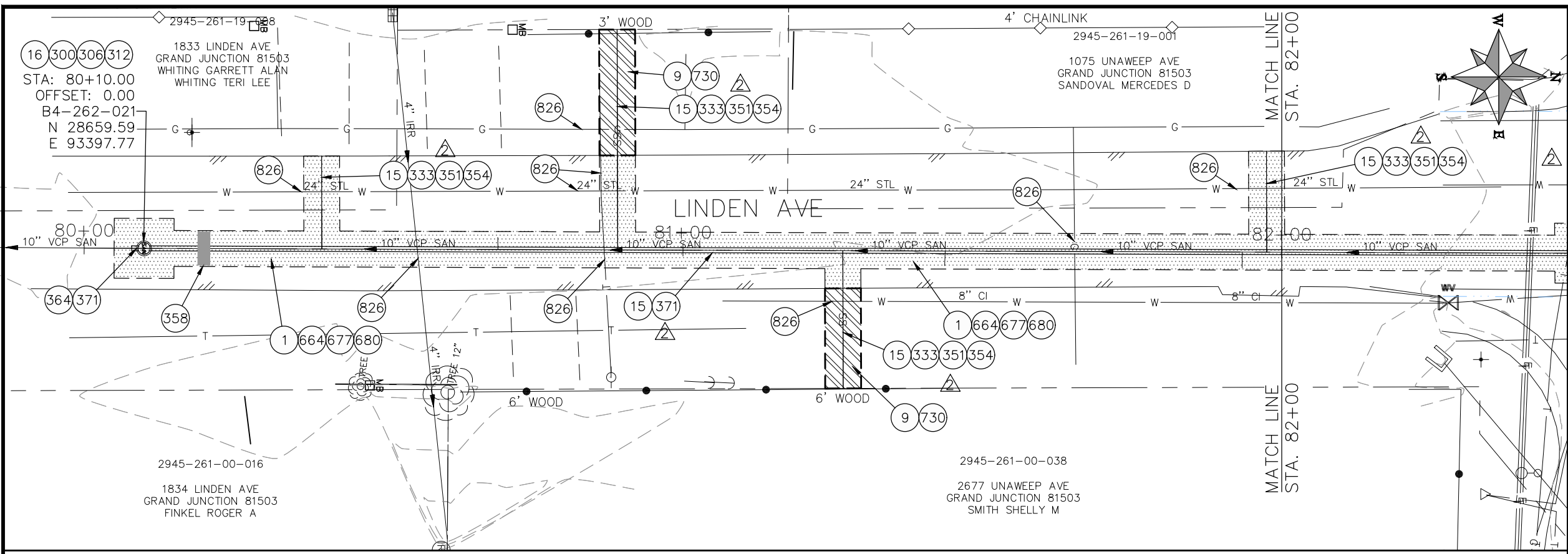
SCALE: PLAN & PROFILE
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'



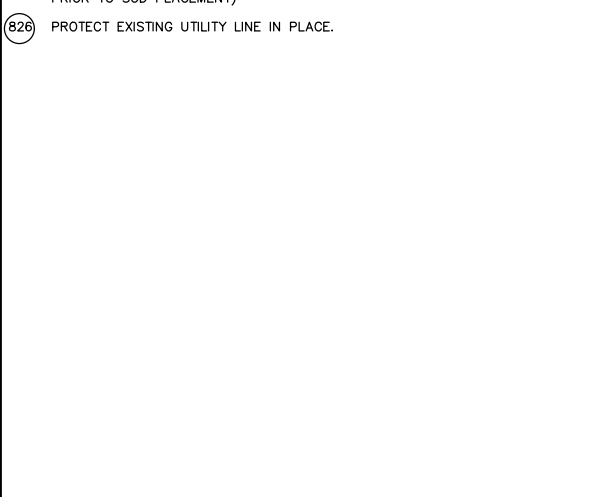
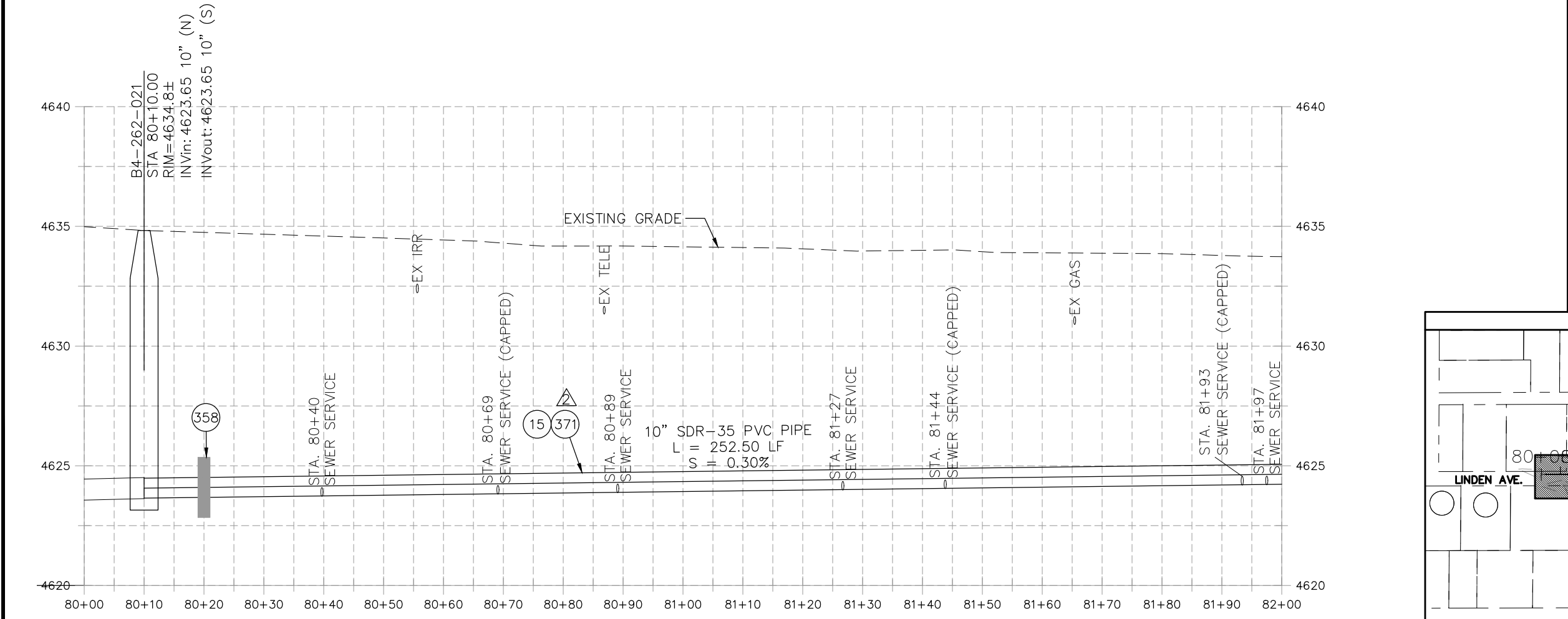
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
PALMER ST ALLEY PLAN AND PROFILE - ALT 1
STA 72+00 TO STA 73+24**

N:\Landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\Palmer Alley ALT 1.dwg, 7/9/2021 3:12:51 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 9 202 - REMOVAL OF SOD.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 333 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - 351 10"x4" SEWER SERVICE TAP, FULL BODY WYE (SEE STD. DETAIL SS-06).
 - 354 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 371 102.9/108.2 - 10" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY
DJM	DJM	EM	KH

SCALES: PLAN & PROFILE

HORIZONTAL: 1" = 20'

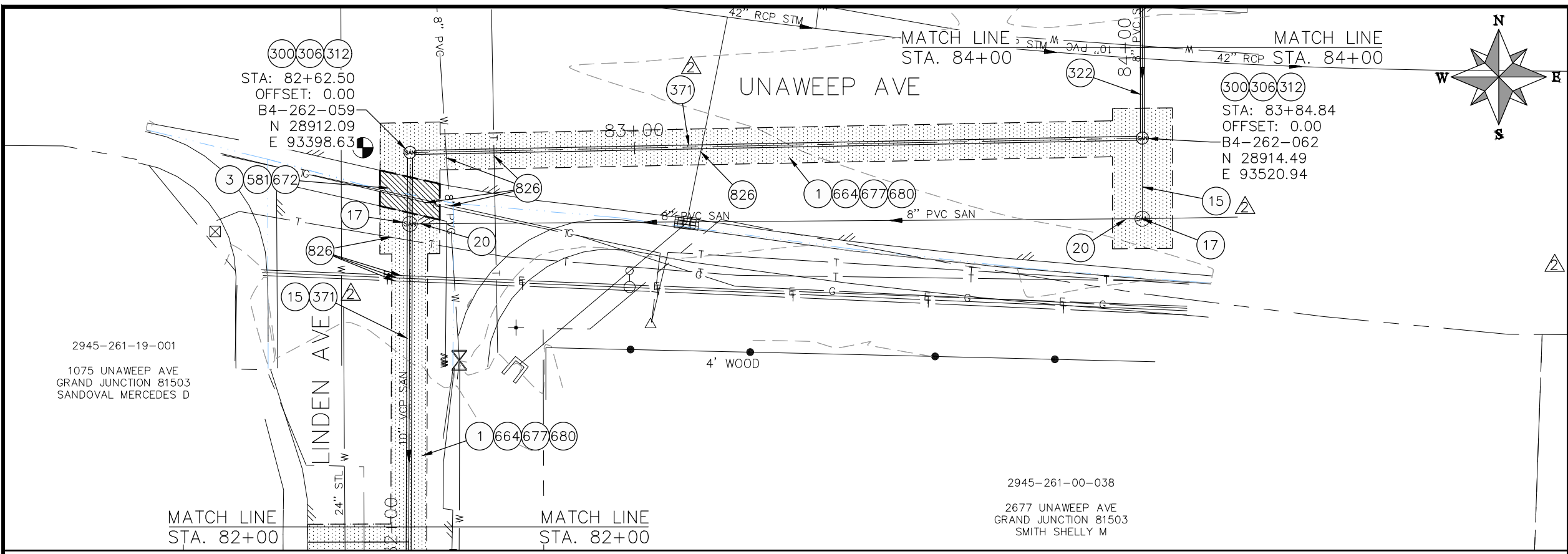
VERTICAL: 1" = 5'



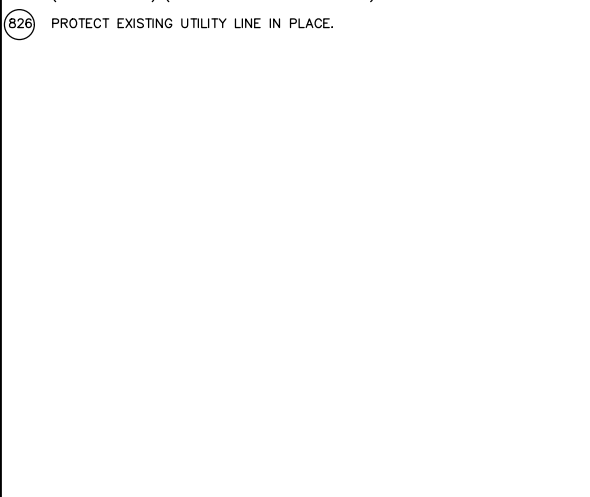
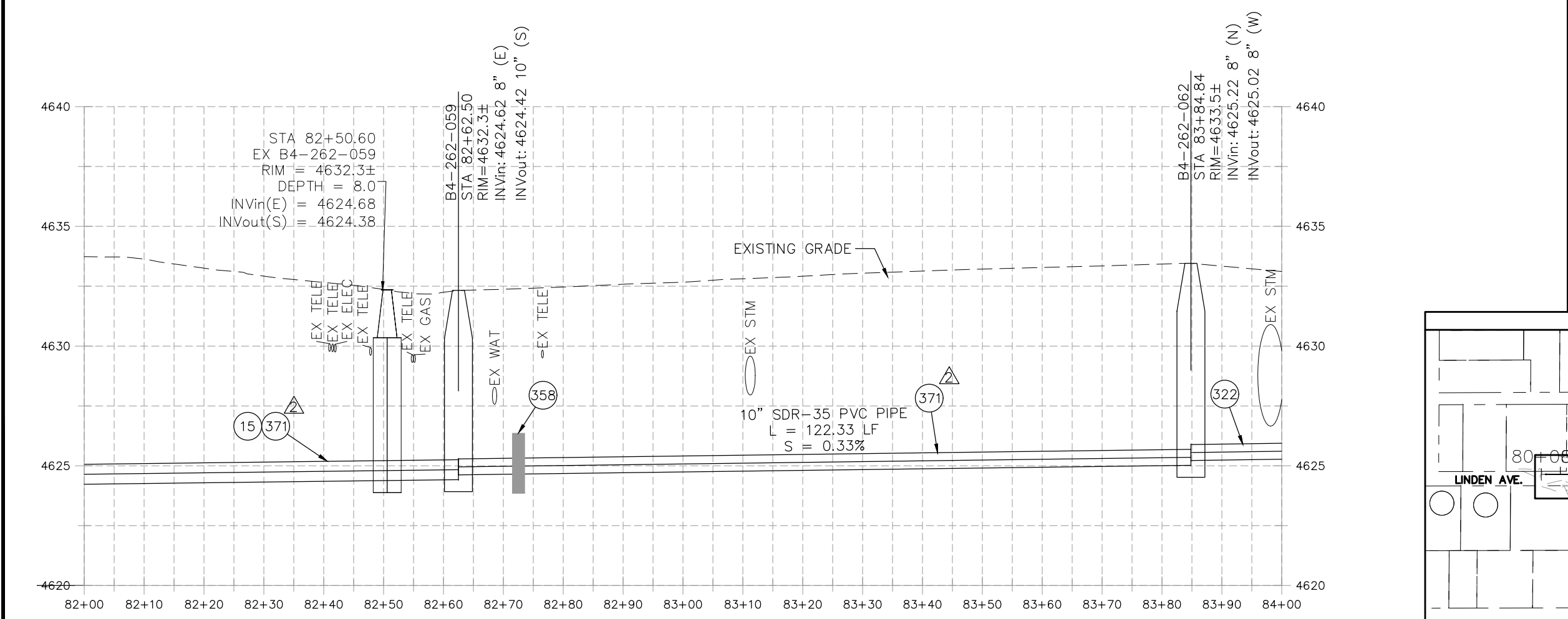
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
LINDEN AVE PLAN AND PROFILE - ALT 1
STA 80+00 TO STA 82+00**

N:\landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\00DESIGN\REVISION 2\LINDEN AVE ALT 1.dwg, 7/9/2021 3:13:48 PM, _AutoCAD PDF (General Documentation).pc3



- ### CONSTRUCTION NOTES
- ① 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - ③ 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - ⑮ 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - ⑰ 202 - REMOVE MANHOLE CONE SECTION, RING, AND COVER. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS. CONTRACTOR SHALL FILL REMAINING BARREL SECTIONS WITH FLOW FILL MATERIAL.
 - ⑳ 202 - ABANDON PIPE. ABANDON BY PLUGGING REMAINING ENDS WITH CONCRETE.
 - ③① 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - ③①② 102.11/108.5 - MANHOLE BARREL SECTION (D>S) (48" I.D.).
 - ③①② 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - ③②② 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - ③⑤⑧ 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - ③⑦① 102.9/108.2 - 10" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - ⑤⑧① 608.06 - CONCRETE DRAINAGE PAN (6" WIDE)
 - ⑥⑥④ 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - ⑥⑦② 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - ⑥⑦⑦ 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - ⑥⑧① 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - ⑧②⑥ PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	---	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	---	4/2021
REVISION Δ	XXX	202X	---	2021
REVISION Δ	XXX	202X	---	2021

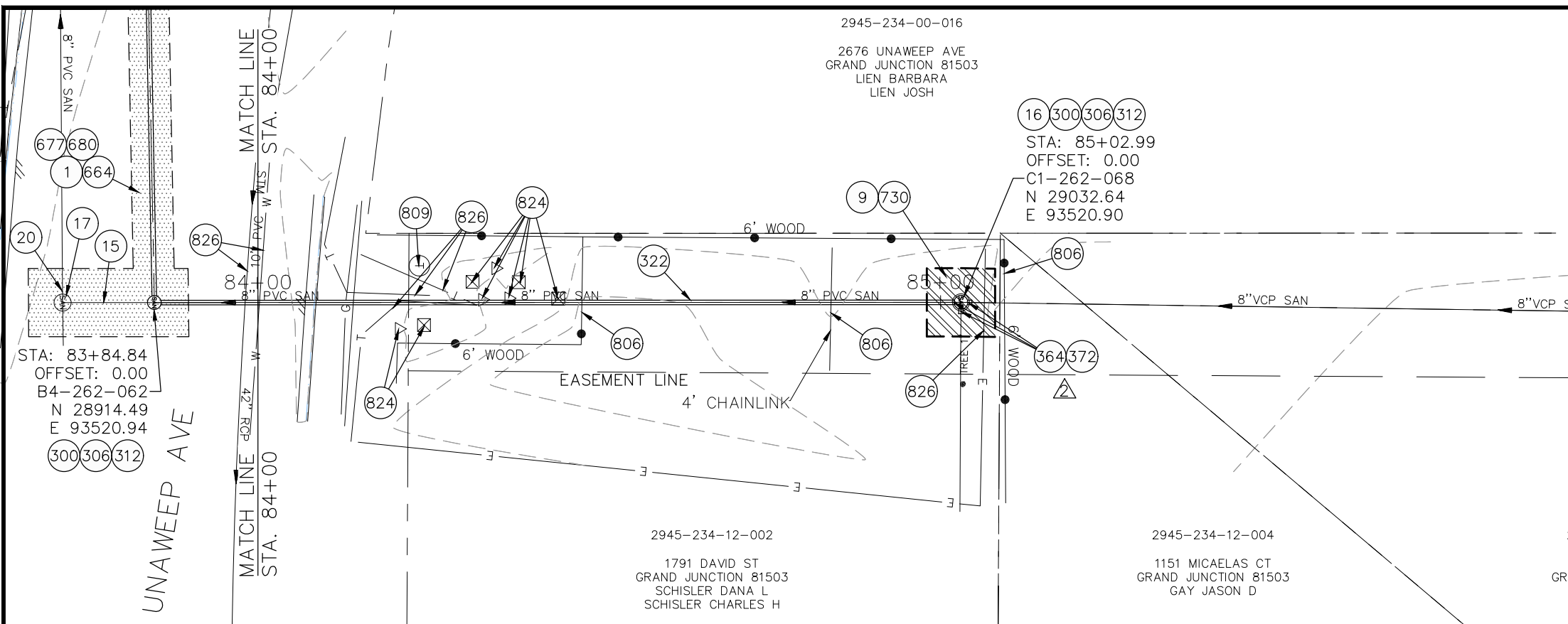
SCALE	DATE	DATE
HORIZONTAL: 1" = 20'	DRAWN BY DJM	04/2021
VERTICAL: 1" = 5'	DESIGNED BY DJM	4/2021
	CHECKED BY EM	2021
	APPROVED BY KH	2021



**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
LINDEN AVE PLAN AND PROFILE - ALT 1
STA 82+00 TO STA 84+00**

N:\Landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\LINDEN AVE ALT 1.dwg, 7/9/2021 1:39:17 PM, AutoCAD PDF (General Documentation).pc3



2945-234-00-016
 2676 UNAWEEP AVE
 GRAND JUNCTION 81503
 LIEN BARBARA
 LIEN JOSH

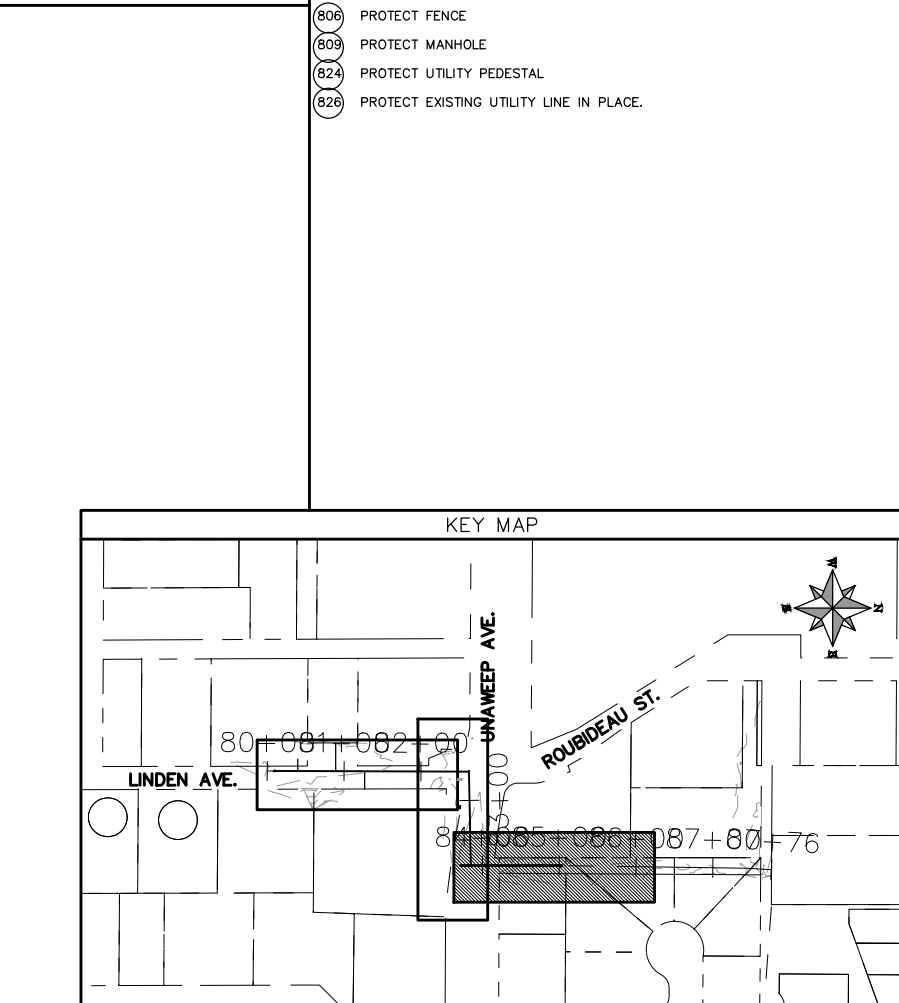
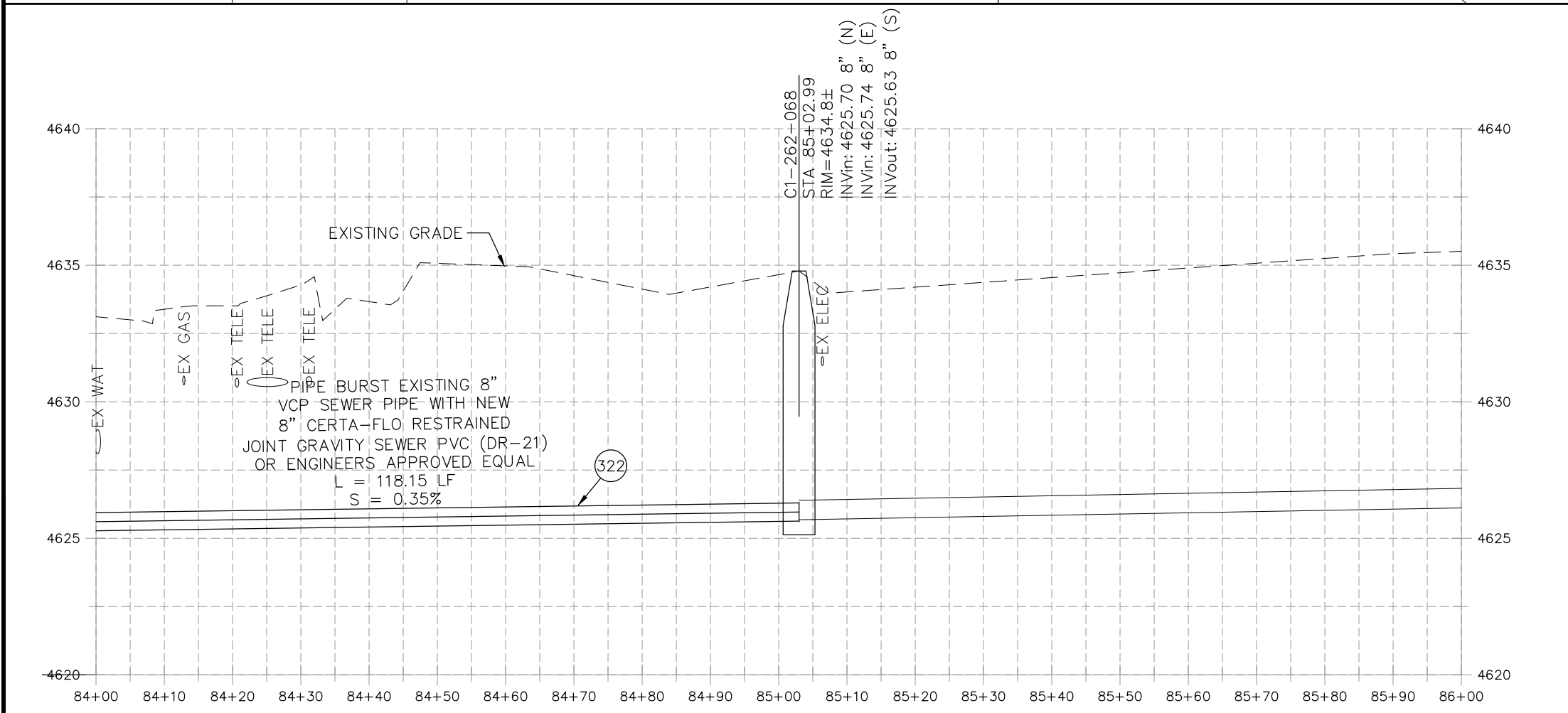
2945-234-00-034
 1736 ROUBIDEAU ST
 GRAND JUNCTION 81503
 BLACKWELL FAMILY TRUST
 DATED FEBRUARY 2 2011

2945-234-12-002
 1791 DAVID ST
 GRAND JUNCTION 81503
 SCHISLER DANA L
 SCHISLER CHARLES H

2945-234-12-004
 1151 MICAELAS CT
 GRAND JUNCTION 81503
 GAY JASON D

2945-234-12-005
 1149 MICAELAS CT
 GRAND JUNCTION 81503
 WELLARD TIMOTHY
 DUNN JAYNE

- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 9 202 - REMOVAL OF SOD
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 17 202 - REMOVE MANHOLE CONE SECTION, RING, AND COVER. CONTRACTOR SHALL SALVAGE RING AND COVER AND DELIVER TO CITY SHOPS. CONTRACTOR SHALL FILL REMAINING BARREL SECTIONS WITH FLOW FILL MATERIAL.
 - 20 202 - ABANDON PIPE. ABANDON BY PLUGGING REMAINING ENDS WITH CONCRETE.
 - 300 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 306 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (48" I.D.).
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 322 102.9/108.2 - 8" GRAVITY SEWER PIPE (CERTA-FLO PVC GRAVITY SEWER PIPE) (ASTM D2241) (JOINT TYPE: CERTA-LOK RESTRAINED JOINT INTEGRAL BELL) (SDR-21 AND 20-FT PIPE LENGTHS).
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 372 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 730 212 - RESOD AREA AS SHOWN (INCLUDES 6" OF TOPSOIL PLACEMENT PRIOR TO SOD PLACEMENT)
 - 806 PROTECT FENCE
 - 809 PROTECT MANHOLE
 - 824 PROTECT UTILITY PEDESTAL
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

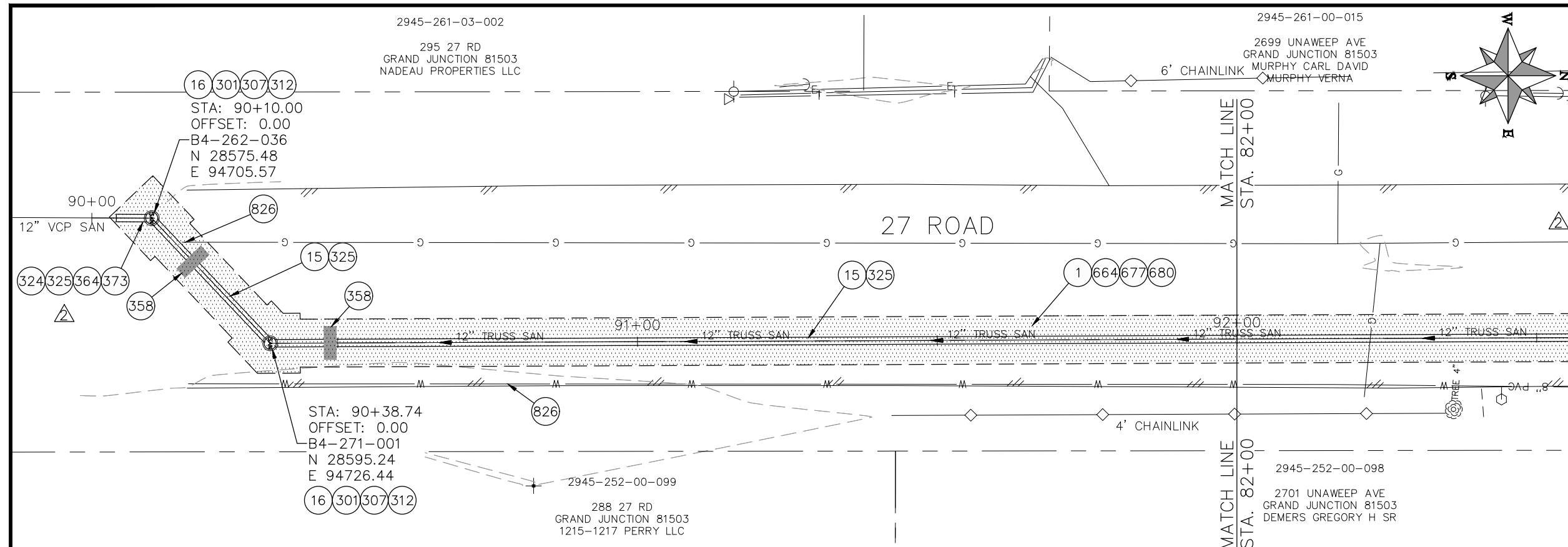
SCALE	DATE
DRAWN BY DJM	04/2021
DESIGNED BY DJM	4/2021
CHECKED BY EM	2021
APPROVED BY KH	2021

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

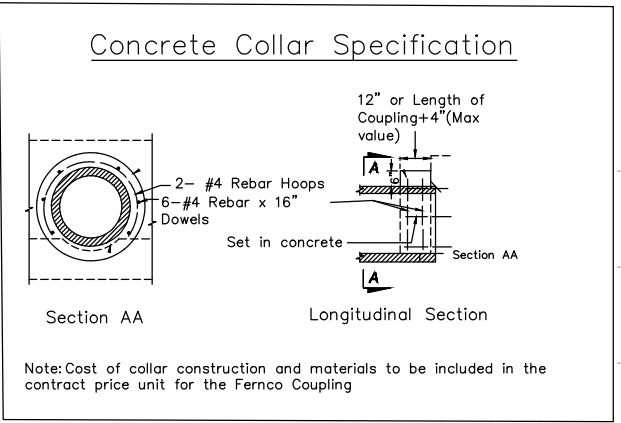
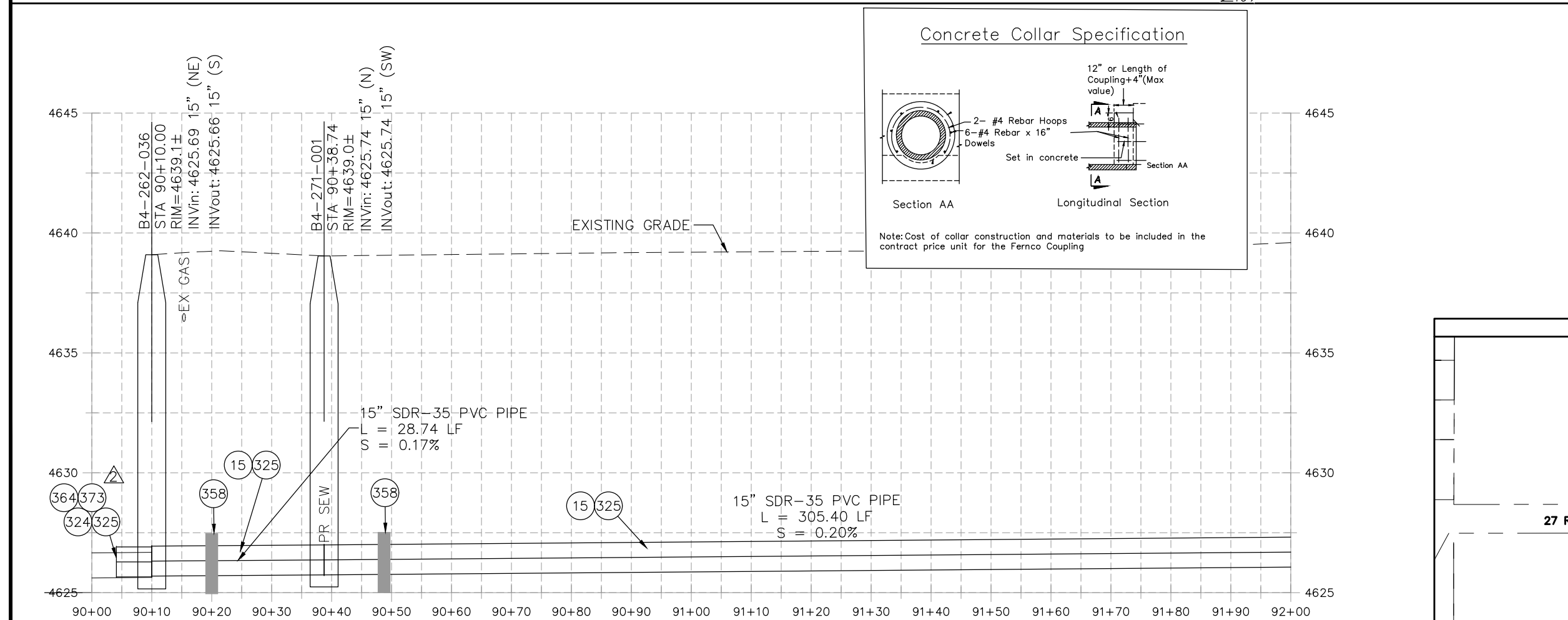
**PUBLIC WORKS
 ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
 LINDEN AVE PLAN AND PROFILE - ALT 1
 STA 84+00 TO STA 86+00**

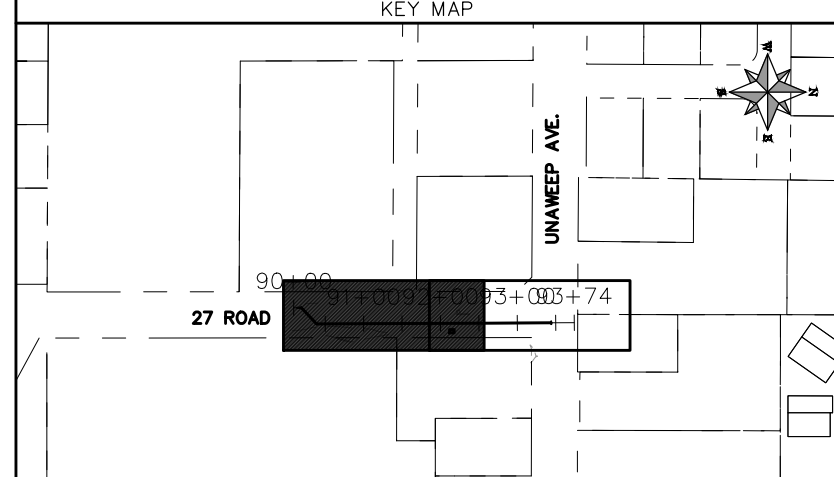
N:\landproj\2021 Sewer Replacements - Phase A - Unaweep Ave\60\CAD\00\DESIGN\REVISION 2\LINDEN AVE ALT 1.dwg, 7/9/2021 1:40:02 PM, AutoCAD PDF (General Documentation).pc3



- ### CONSTRUCTION NOTES
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 307 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (60" I.D.)
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 325 102.9/108.2 - 15" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 373 USE A 15"x12" PVC ECCENTRIC REDUCER TO CONNECT TO 12" PVC PIPE. USE FERNCO COUPLING (REINFORCED WITH CONCRETE COLLAR, SEE DETAIL) TO CONNECT TO EXISTING 12" VCP.
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



NOTE: SEWER SERVICE LOCATIONS ARE UNKNOWN. SEWER SERVICES SHALL BE VERIFIED BY CONTRACTOR AND CITY. REPLACE SEWER SERVICES PER CITY SPECIFICATIONS. ESTIMATED TO BE (2) 15"x4" SEWER TAPS AND 2-WAY CLEANOUTS.

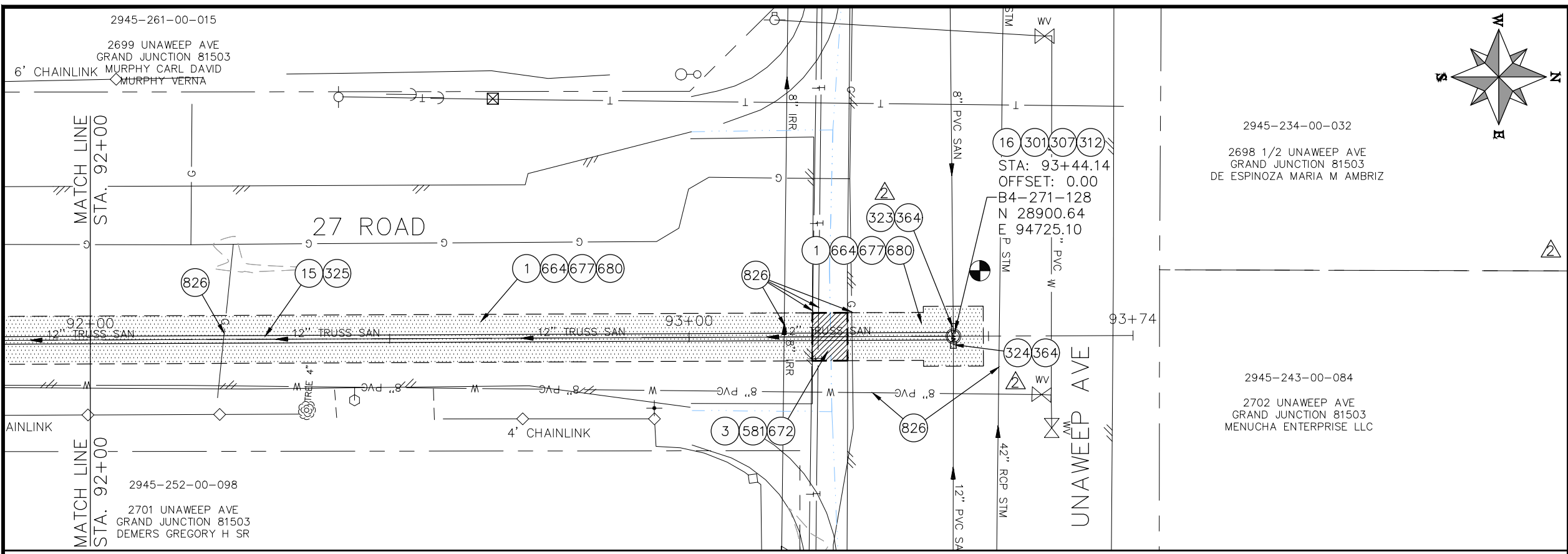


REVISION	DESCRIPTION	DATE	PROJECT NO.	SCALE: PLAN & PROFILE
REVISION A	UPDATES TO PLAN AND PROFILES	06/2021	----	HORIZONTAL: 1" = 20'
REVISION B	UPDATES TO PLAN AND PROFILES	07/2021	----	5 10 20
REVISION C	XXX	202X	----	VERTICAL: 1" = 5'
REVISION D	XXX	202X	----	0 1.25 2.5 5

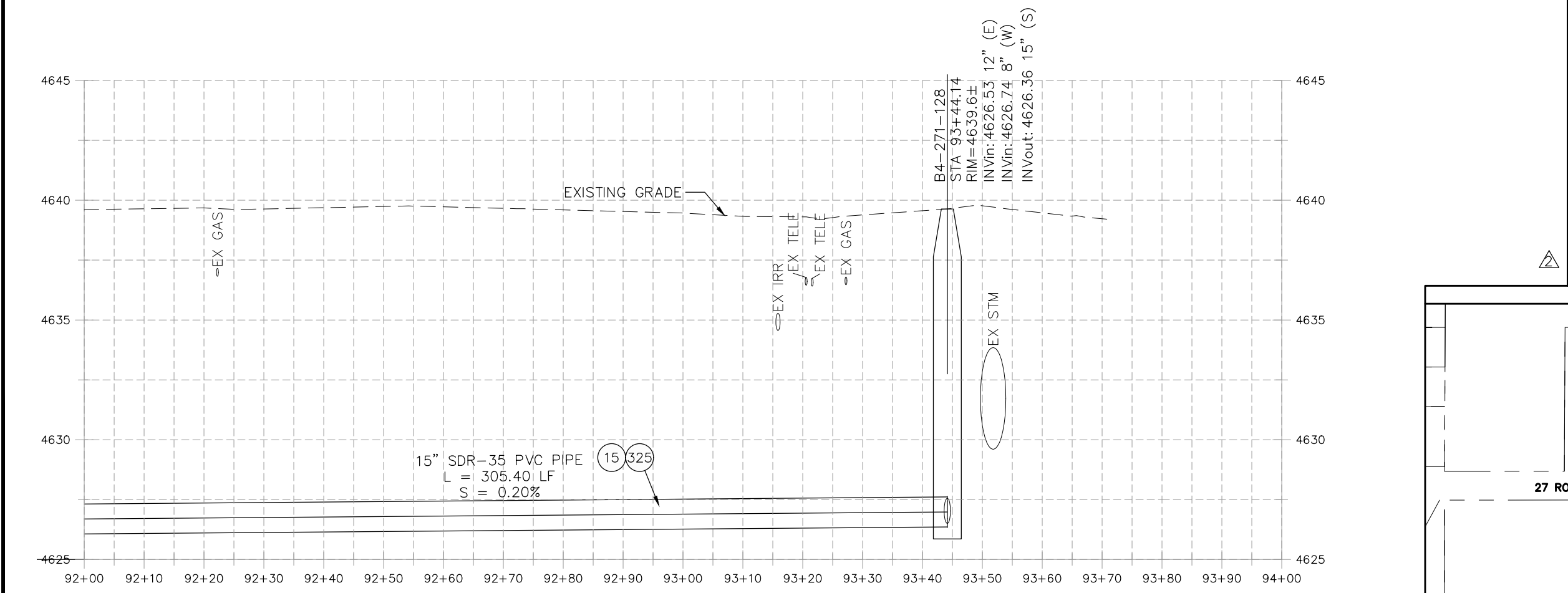
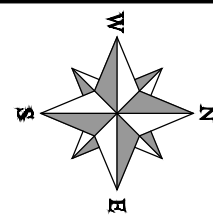
CITY OF
Grand Junction
COLORADO

PUBLIC WORKS
ENGINEERING DIVISION

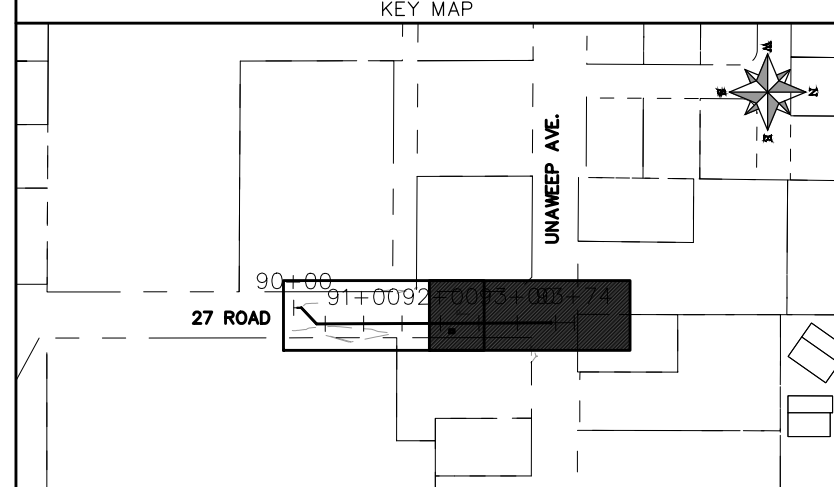
2021 SEWER LINE REPLACEMENT - PHASE A
27 ROAD PLAN AND PROFILE - ALT 1
STA 90+00 TO STA 92+00



- CONSTRUCTION NOTES**
- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS SHOWN. (INDICATED BY CROSS HATCH PATTERN) INCLUDES BUT NOT LIMITED TO CURB, GUTTER, SIDEWALK, DRIVEWAY, SLABS, V-PAN, CURB RAMPS, INTERSECTION CORNERS, APRONS, AND LANDSCAPE BORDERS.
 - 15 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - 16 202 - REMOVAL OF MANHOLE
 - 301 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (60" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - 307 102.11/108.5 - MANHOLE BARREL SECTION (D>5") (60" I.D.)
 - 312 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - 323 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 324 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - 325 102.9/108.2 - 15" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH CLASS 3 IMPORTED TRENCH BACKFILL MATERIAL.
 - 358 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - 364 CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - 581 608.06 - CONCRETE DRAINAGE PAN (6' WIDE)
 - 664 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - 677 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - 680 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - 826 PROTECT EXISTING UTILITY LINE IN PLACE.



NOTE:
SEWER SERVICE LOCATIONS ARE UNKNOWN. SEWER SERVICES SHALL BE VERIFIED BY CONTRACTOR AND CITY. REPLACE SEWER SERVICES PER CITY SPECIFICATIONS. ESTIMATED TO BE (2) 15"x4" SEWER TAPS AND 2-WAY CLEANOUTS.



REVISION	DESCRIPTION	DATE	PROJECT NO.	DATE
REVISION Δ	UPDATES TO PLAN AND PROFILES	06/2021	----	04/2021
REVISION Δ	UPDATES TO PLAN AND PROFILES	07/2021	----	4/2021
REVISION Δ	XXX	202X	----	2021
REVISION Δ	XXX	202X	----	2021

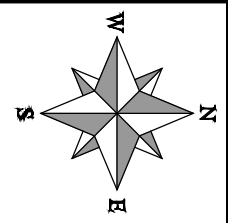
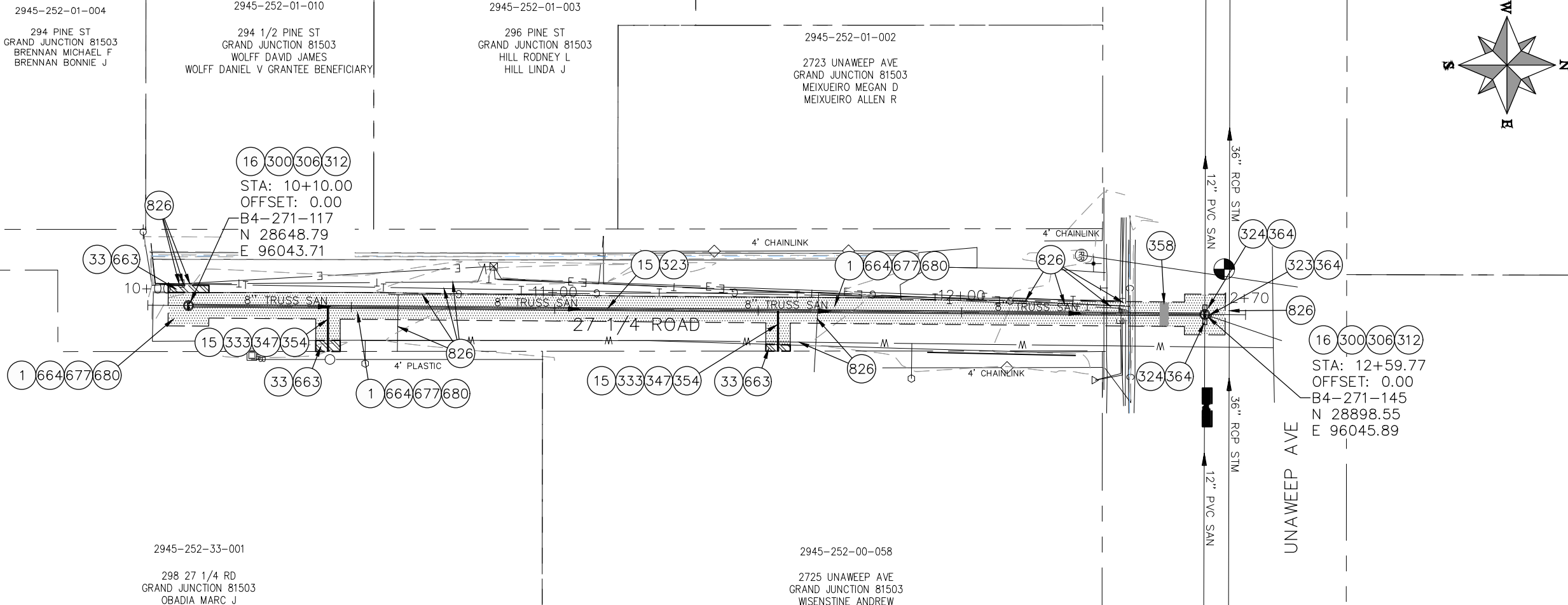
SCALES: PLAN & PROFILE
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'



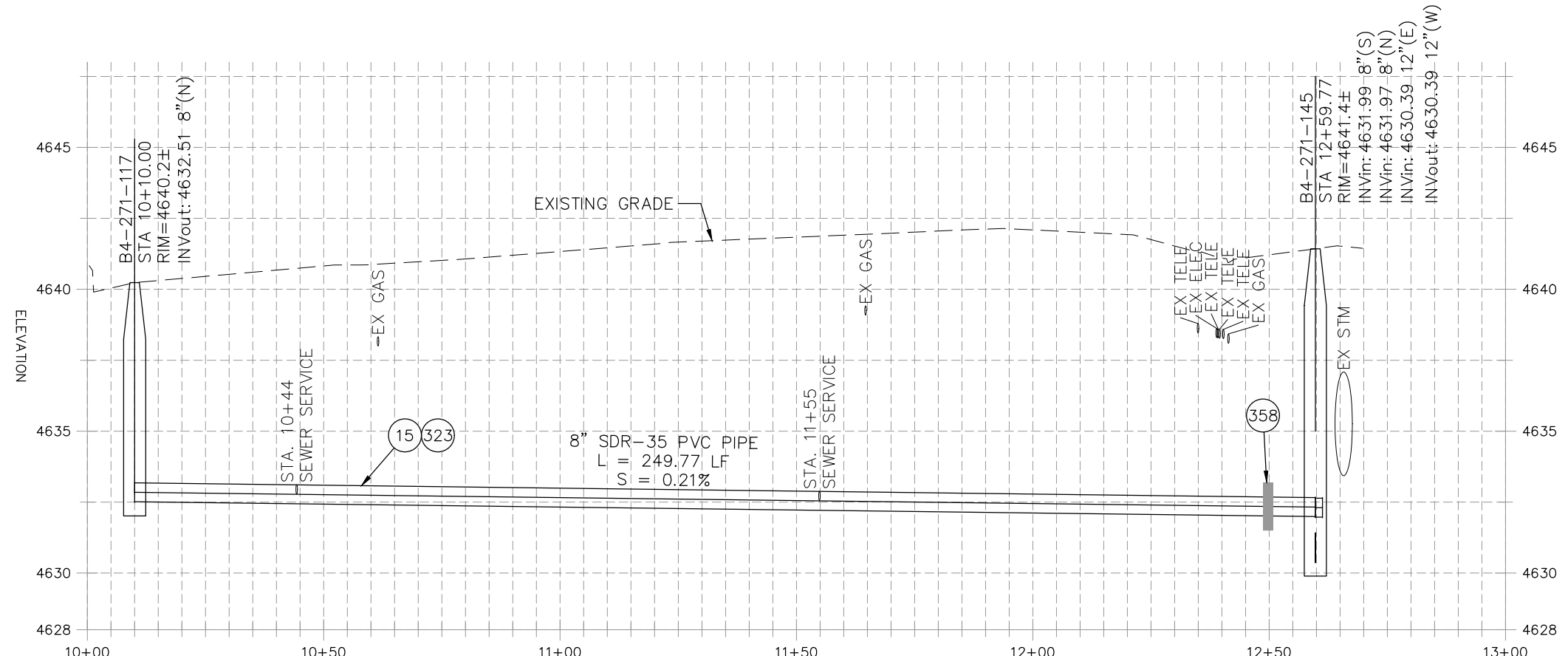
**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
27 ROAD PLAN AND PROFILE - ALT 1
STA 92+00 TO STA 94+00**

N:\Landproj\2021 Sewer Replacements - Phase A - UnawEEP Ave\60CAD\00DESIGN\REVISION 2\27 ROAD ALT 1.dwg, 7/9/2021 1:41:47 PM, AutoCAD PDF (General Documentation).pc3



- CONSTRUCTION NOTES**
- ① 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS SHOWN. (INDICATED BY DOT HATCH PATTERN)
 - ⑮ 202 - REMOVAL OF PIPE AS SHOWN. (SIZE AND TYPE AS SHOWN ON PLAN)
 - ⑯ 202 - REMOVAL OF MANHOLE
 - ⑳ 202 - REMOVE EXISTING SURFACE MATERIAL
 - ⑳ 102.11/108.5 - SANITARY SEWER BASIC MANHOLE (48" I.D.). INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
 - ⑳ 102.11/108.5 - MANHOLE BARREL SECTION (D>5') (48" I.D.).
 - ⑳ 102.11/108.5 - MANHOLE INTERIOR CORROSION PROTECTION (PROTECTIVE COATING SHALL BE APPLIED TO PREPARED MANHOLE INVERT, BENCH, BARRELS, AND CONE SECTIONS. MANHOLE INVERTS AND BENCHES SHALL BE COATED PRIOR TO WASTEWATER INTRODUCTION) (100 MIL MINIMUM THICKNESS)
 - ⑳ 102.9/108.2 - 8" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - ⑳ 102.9/108.2 - 12" GRAVITY SEWER PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
 - ⑳ 102.9/108.2 - 4" SEWER SERVICE PIPE (SDR 35 PVC). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL, BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL
 - ⑳ 102.9/108.3 - 8" x 4" SEWER SERVICE TAP. FULL BODY WYE (SEE STD. DETAIL SS-06).
 - ⑳ 104.20 - INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
 - ⑳ 103 - CLAY CUT-OFF WALL (INCIDENTAL TO SEWER INSTALLATION PAY ITEM)
 - ⑳ CONNECT TO EXISTING SEWER PIPE USING MAXADAPTER OR ENGINEER'S APPROVED EQUAL. THE CONTRACT PRICE FOR SEWER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE.
 - ⑳ 304 - AGGREGATE BASE COURSE (CLASS 6) (6" THICK)
 - ⑳ 304 - AGGREGATE BASE COURSE (CLASS 6) (12" THICK)
 - ⑳ 401.08 - HOT BITUMINOUS PAVEMENT (4" THICK) (GRADING SX, BINDER GRADE PG 64-22) (TWO 2" LIFTS)
 - ⑳ 401.08 - HOT BITUMINOUS PAVEMENT (PATCHING) (2" THICK) (GRADING SX, BINDER GRADE PG 64-22, GYR = 75) (ONE 2" LIFT TOP MAT) (T-TOP PATCH) (SEE CITY STD. DETAIL GU-03)
 - ⑳ 826 PROTECT EXISTING UTILITY LINE IN PLACE.



REVISION Δ XXX	DATE	PROJECT NO. -----
REVISION Δ XXX	06/2021	DRAWN BY DJM DATE 04/2021
REVISION Δ XXX	202X	DESIGNED BY DJM DATE 4/2021
REVISION Δ XXX	202X	CHECKED BY EM DATE 2021
REVISION Δ XXX	202X	APPROVED BY KH DATE 2021

SCALES: PLAN & PROFILE	
HORIZONTAL: 1" = 30'	0 7.5 15 20
VERTICAL: 1" = 5'	0 1.25 2.5 5



**PUBLIC WORKS
ENGINEERING DIVISION**

**2021 SEWER LINE REPLACEMENT - PHASE A
27 1/4 ROAD PLAN AND PROFILE - ALT 1
STA 10+00 TO STA 12+00**

N:\Landproj\2021 Sewer Replacements - Phase A - Unawep Ave\60CAD\00DESIGN\REVISION 2\27 1/4 ROAD ALT 1.dwg - 7/9/2021 1:42:44 PM - AutoCAD PDF (General Documentation).pc3