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**PROJECT LOCATION
ALLEY IMPROVEMENTS
(N. 8TH ST. - N. 9TH ST.)**

811
NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS ARE SHOWN ON THIS SHEET.

**Know what's below.
Call before you dig.**

UTILITIES AND AGENCIES								
AGENCY	NAME	POSITION	ROLE	MAILING ADDRESS	STREET ADDRESS	CITY, STATE, ZIP	VOICE-WK	FAX NO.
CITY OF GRAND JUNCTION	ERIC RINK	PROJECT ENGINEER	PROJECT ENGINEER	333 WEST AVE BLDG C	333 WEST AVE BLDG C	GRAND JCT., CO 81501	(970) 256-4088	(970) 256-4022
CITY OF GRAND JUNCTION	KURT CARSON	PROJECT MANAGER	SANITARY SEWER	333 WEST AVE BLDG C	333 WEST AVE BLDG C	GRAND JCT., CO 81501	(970) 244-1543	(970) 256-4022
GRAND VALLEY IRRIGATION CO.	PHIL BERTRAND	MANAGER	IRRIGATION	688 26 RD	688 26 RD	GRAND JCT., CO 81506	(970) 242-2762	
SPECTRUM	JEFF VALDEZ	MANAGER	CABLE TV	2502 FORESIGHT CIRCLE	2502 FORESIGHT CIRCLE	GRAND JCT., CO 81504	(970) 245-8750	(970) 245-6803
CENTURYLINK	CHRIS JOHNSON	ENGINEER	TELEPHONE	2524 BLICHMANN AVE	2524 BLICHMANN AVE	GRAND JCT., CO 81504	(970) 244-4311	(970) 240-4349
UTE WATER	JUSTIN BATES	SUPERVISOR	WATER	PO BOX 460	2190 H 1/4 RD	GRAND JCT., CO 81502	(970) 242-7491	(970) 242-9189
XCEL	TILLMAN McSCHODER	UNIT MANAGER	ELECTRIC	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2695	(970) 244-2664
XCEL	BRIAN PADGETT	UNIT MANAGER	GAS	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2690	(970) 244-2656

REVISION	DESCRIPTION	DATE	DRAWN BY:	DATE:
REVISION Δ REV 1			NCW	09/2021
REVISION Δ REV 2			NCW	09/2021
REVISION Δ REV 3			KAH	09/09/21
REVISION Δ REV 4			KAH	09/09/21

SEE DRAWING SET FOR SCALE INFORMATION.



**PUBLIC WORKS
ENGINEERING DIVISION**
PROJECT NO. F000207

**2021 ALLEY IMPROVEMENTS DISTRICT
PROJECT COVER SHEET**
September 9, 2021

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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
BOC	BACK OF CURB
BV	BUTTERFLY VALVE
BOW	BACK OF WALK
BCR	BEGIN CURB RETURN
BOT	BOTTOM
BSWMP	BETTER STORM WATER MANAGEMENT PRACTICES
CHD	CHORD
CAP	CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CI	CAST IRON
C,G,&SW	CURB, GUTTER & SIDEWALK
CL	CENTER LINE
CL	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COMB	COMBINATION (STORM SEWER & SANITARY SEWER)
CONC	CONCRETE
CSM	CITY SURVEY MONUMENT
CSP	CORRUGATED STEEL PIPE
CJ	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
FL	FLOW LINE
FL	FLANGE
FM	FORCE MAIN
FO	FIBER OPTICS
FS	FAR SIDE
FTG	FOOTING
G	GAS
GB	GRADE BREAK
GM	GAS METER
GP	GAS VALVE
HBP	HOT BITUMINOUS PAVEMENT
HDPPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
IRR	IRRIGATION
L	LENGTH OF CHORD
LC	LONG CHORD
LF	LINEAL 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 OF 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	RAILROAD
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
SSUJ	STANDARD SPECIFICATIONS FOR 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

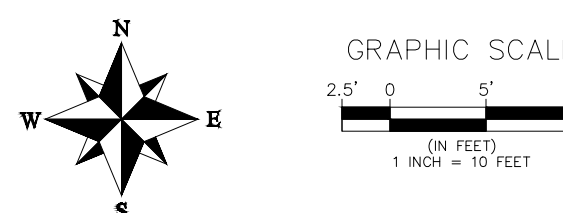
LEGEND

BSWMP 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 (HT & MATL NOTED)	
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) (EXAMPLE: 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 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) (DIA. SIZE)	
WATER HYDRANT	
WEIR	
YARD LIGHT	



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REVISION Δ REV 3			KAH	09/09/21
REVISION Δ REV 4			KAH	09/09/21

SEE DRAWING SET FOR SCALE INFORMATION.



PUBLIC WORKS ENGINEERING DIVISION
PROJECT NO. F000207

2021 ALLEY IMPROVEMENTS DISTRICT
STANDARD ABBREVIATIONS LEGENDS & SYMBOLS
September 9, 2021

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**2021 ALLEY IMPROVEMENT DISTRICT
N. 8TH STREET - N. 9TH STREET (BETWEEN OURAY AVENUE & GRAND AVENUE)**

ALLEY IMPROVEMENTS

<u>ITEM NO.</u>	<u>CDOT/ CITY REF.</u>	<u>ITEM DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>UNIT</u>	<u>UNIT PRICE</u>	<u>TOTAL UNIT PRICE</u>
1	208	STORM DRAIN INLET BOX PROTECTIONS	2	EA.	\$ _____	\$ _____
2	208	CONCRETE WASHOUT	1	L.S.	\$ _____	\$ _____
3	209	DUST ABATEMENT	30	DAYS	\$ _____	\$ _____
4	210	ADJUST SANITARY SEWER MANHOLE (INCLUDES STRUCTURE &/OR FRAME & GRATE)	2	EA.	\$ _____	\$ _____
5	210	ADJUST SANITARY SEWER CLEANOUT	8	EA.	\$ _____	\$ _____
6	304	SUBGRADE STABILIZATION AGGREGATE BASE COURSE (CLASS 3) (COMPLETE IN-PLACE)	80	TONS	\$ _____	\$ _____
7	304	AGGREGATE BASE COURSE (CLASS 6) (AREAS BETWEEN EDGE OF ALLEY & R.O.W.)	55	TONS	\$ _____	\$ _____
8	412	CONCRETE PAVEMENT – 8” (CLASS P) (INCLUDES ALL PAVEMENT REMOVALS & UNCLASSIFIED EXCAVATION NECESSARY)	751	S.Y.	\$ _____	\$ _____
9	420	GEO-GRID	80	S.Y.	\$ _____	\$ _____
10	620	SANITARY FACILITY	1	L.S.	\$ _____	\$ _____
11	625	CONSTRUCTION SURVEYING (INCLUDES AS-BUILT DOCUMENTATION)	1	L.S.	\$ _____	\$ _____
12	626	MOBILIZATION	1	L.S.	\$ _____	\$ _____
13	630	TRAFFIC CONTROL (COMPLETE IN PLACE)	20	DAYS	\$ _____	\$ _____
14	630	TRAFFIC CONTROL PLAN	1	L.S.	\$ _____	\$ _____
15	G-56	WEEKLY NEWSLETTERS	6	WEEKS	\$ _____	\$ _____
16	MCR	MINOR CONTRACT REVISIONS				\$ _____

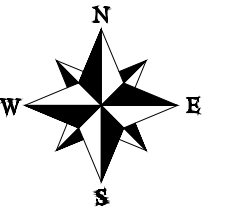
BID AMOUNT \$ _____

REVISION Δ REV 1	DESCRIPTION	DATE	DRAWN BY: NCW	DATE: 09/2021
REVISION Δ REV 2		DATE	DESIGNED BY: NCW	DATE: 09/2021
REVISION Δ REV 3		DATE	CHECKED BY: KAH	DATE: 09/09/21
REVISION Δ REV 4		DATE	APPROVED BY: KAH	DATE: 09/09/21



**PUBLIC WORKS
ENGINEERING DIVISION**
PROJECT NO. F000207

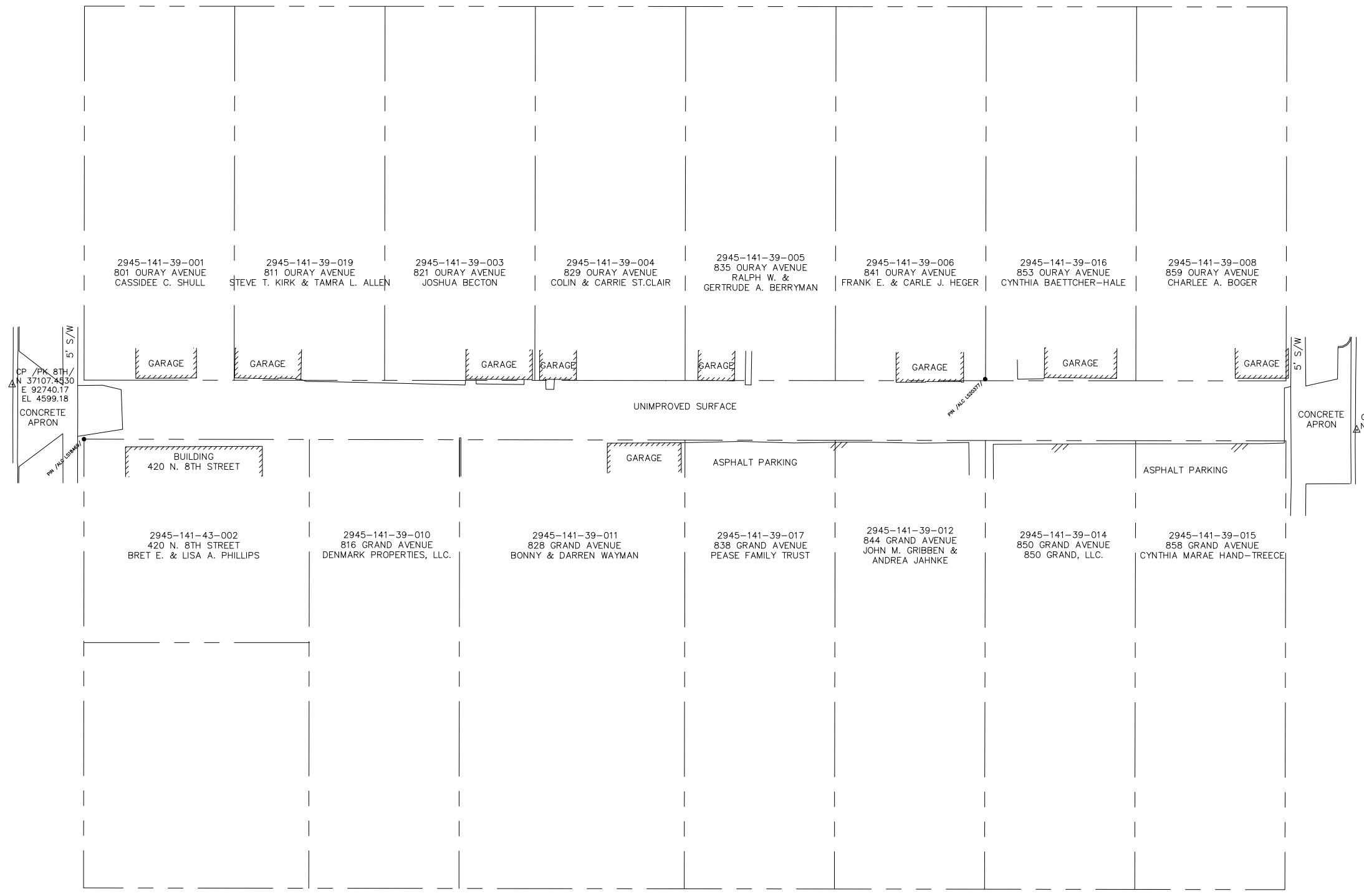
**2021 ALLEY IMPROVEMENTS DISTRICT
SUMMARY OF QUANTITIES**
September 9, 2021



OURAY AVENUE

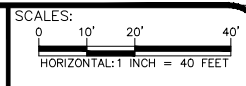
NORTH 8TH STREET
(ASPHALT PAVEMENT W/CONCRETE CURB & GUTTER)

NORTH 9TH STREET
(ASPHALT PAVEMENT W/CONCRETE CURB & GUTTER)



GRAND AVENUE

REVISION	DESCRIPTION	DATE	DRAWN BY:	DATE:
REV 1			NCW	09/2021
REV 2			NCW	09/2021
REV 3			KAH	09/09/21
REV 4			KAH	09/09/21



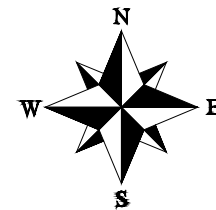
PUBLIC WORKS
ENGINEERING DIVISION
PROJECT NO. F000207

2021 ALLEY IMPROVEMENTS DISTRICT
SURVEY CONTROL
September 9, 2021

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2945-141-39-001
801 OURAY AVENUE
CASSIDEE C. SHULL

2945-141-39-019
811 OURAY AVENUE
STEVE T. KIRK & TAMRA L. ALLEN



NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIR COSTS ASSOCIATED WITH ANY & ALL DAMAGES TO PRIVATE PROPERTY BEYOND THE EXISTING RIGHT-OF-WAY AND FOR ANY ADDITIONAL DAMAGES TO ITEMS NOT CALLED OUT ON THE PLANS TO BE REMOVED, REPLACED OR RE-SET.

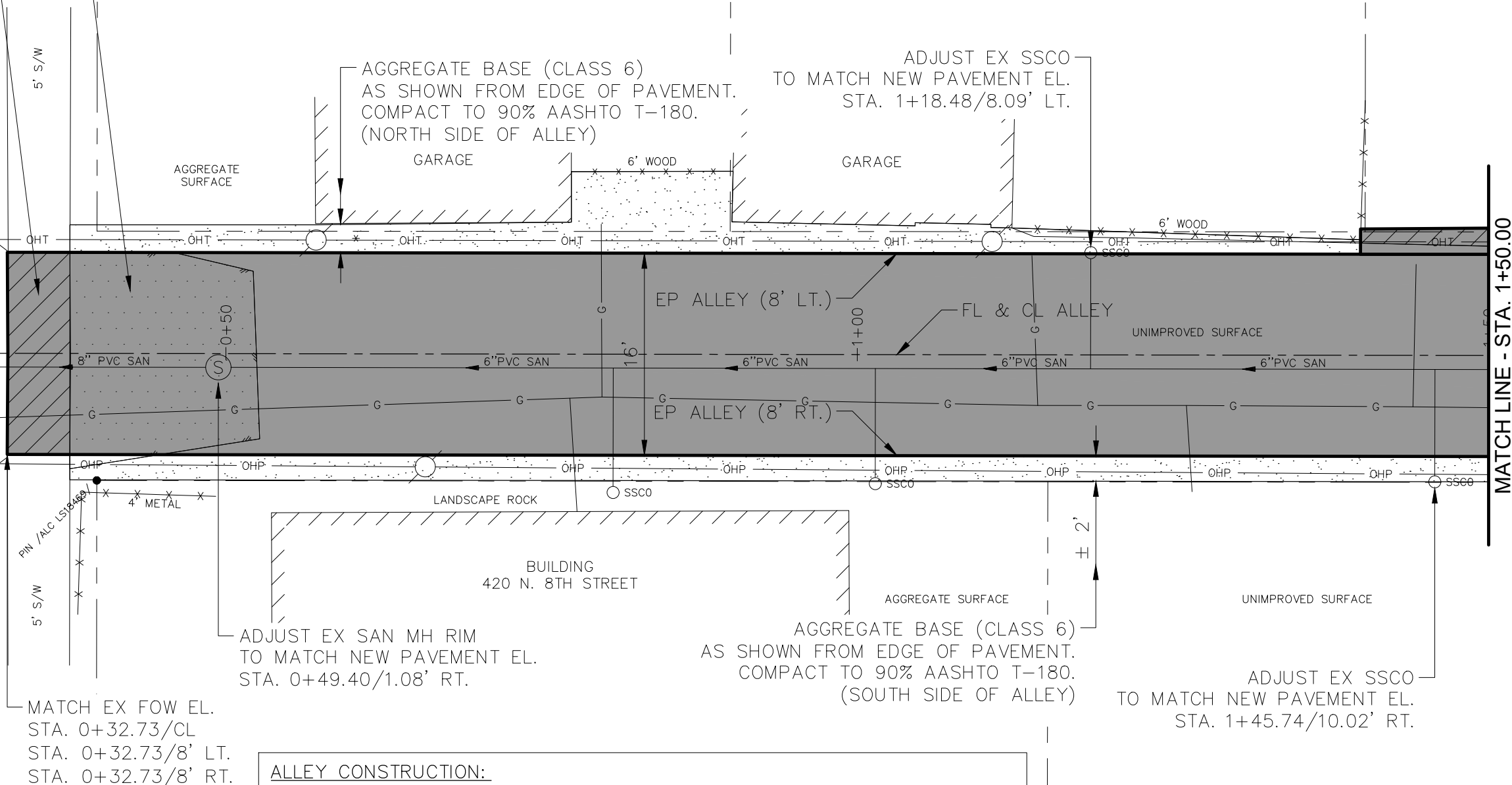
REMOVAL OF EX ASPHALT.
REMOVAL OF EX CONCRETE.
SAW-CUT & REMOVE 5' S/W AS SHOWN.
NEW CONCRETE S/W SECTION (8")
INSTALL TYPE "A" ISOLATION JOINT
BETWEEN EX & NEW PAVEMENTS.

DESIGN SPEED = 20 mi/h
STA 0+00.00
NORTH 8TH STREET
(ASPHALT PAVEMENT W/CONCRETE CURB & GUTTER)

CP /PK 8TH/
N 37107.4530
E 92740.17
EL 4599.18

AGGREGATE BASE (CLASS 6)
AS SHOWN FROM EDGE OF PAVEMENT.
COMPACT TO 90% AASHTO T-180.
(NORTH SIDE OF ALLEY)

ADJUST EX SSCO
TO MATCH NEW PAVEMENT EL.
STA. 1+18.48/8.09' LT.



EX. CONCRETE APRON TO REMAIN.

MATCH EX FOW EL.
STA. 0+32.73/CL
STA. 0+32.73/8' LT.
STA. 0+32.73/8' RT.

ALLEY CONSTRUCTION:
CONSTRUCT ALLEY CONCRETE PAVEMENT (8") TO THE LINES & GRADES AS SHOWN ON THE PLANS. REMOVAL OF ASPHALT & CONCRETE PAVEMENTS AND UNCLASSIFIED EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE ALLEY AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY AS CITED IN SECTION 108.13 OF THE CONTRACT DOCUMENTS.

2945-141-43-002
420 N. 8TH STREET
BRET E. & LISA A. PHILLIPS

ADJUST EX SSCO
TO MATCH NEW PAVEMENT EL.
STA. 1+45.74/10.02' RT.

2945-141-39-010
816 GRAND AVENUE
DENMARK PROPERTIES, LLC.

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REVISION Δ REV 3			KAH	09/09/21
REVISION Δ REV 4			KAH	09/09/21

SCALES:
0 2.5' 5' 10'
HORIZONTAL: 1" = 10 FEET



**PUBLIC WORKS
ENGINEERING DIVISION**
PROJECT NO. F000207

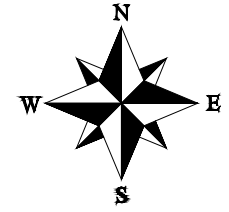
**2021 ALLEY IMPROVEMENTS DISTRICT
ALLEY IMPROVEMENT PLAN - 1**
September 9, 2021

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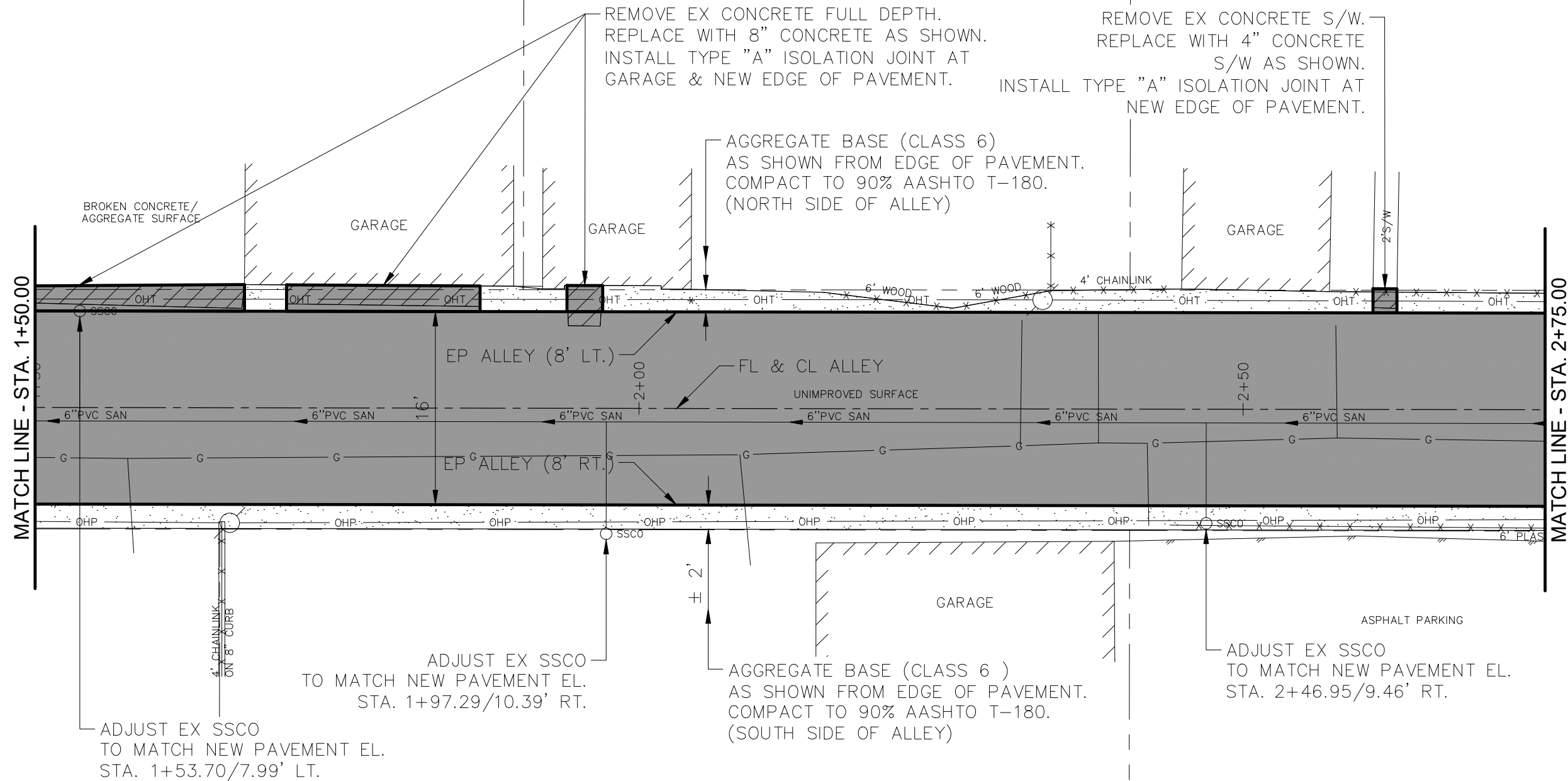
2945-141-39-003
821 OURAY AVENUE
JOSHUA BECTON

2945-141-39-004
829 OURAY AVENUE
COLIN & CARRIE ST. CLAIR

2945-141-39-005
835 OURAY AVENUE
RALPH W. & GERTRUDE A. BERRY



NOTE:
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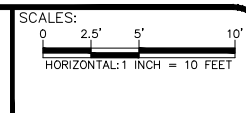


ALLEY CONSTRUCTION:
CONSTRUCT ALLEY CONCRETE PAVEMENT (8") TO THE LINES & GRADES AS SHOWN ON THE PLANS. REMOVAL OF ASPHALT & CONCRETE PAVEMENTS AND UNCLASSIFIED EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE ALLEY AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY AS CITED IN SECTION 108.13 OF THE CONTRACT DOCUMENTS.

2945-141-39-011
828 GRAND AVENUE
BONNY & DARREN WAYMAN

2945-141-39-017
838 GRAND AVENUE
PEASE FAMILY TRUST

REVISION	DESCRIPTION	DATE	DRAWN BY:	DATE:
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**PUBLIC WORKS
ENGINEERING DIVISION**
PROJECT NO. F000207

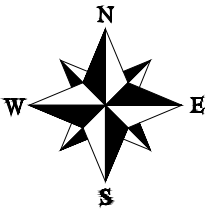
**2021 ALLEY IMPROVEMENTS DISTRICT
ALLEY IMPROVEMENT PLAN - 2**
September 9, 2021

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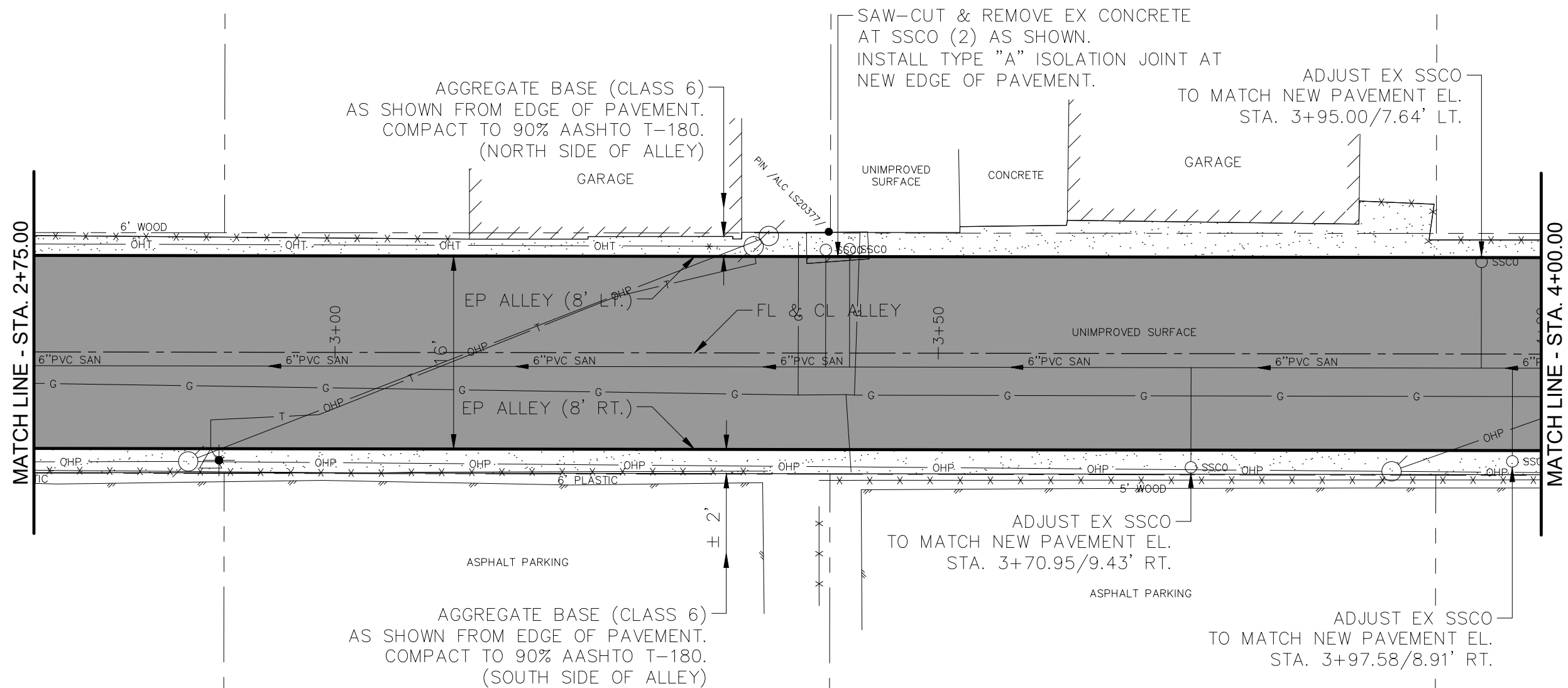
MAN

2945-141-39-006
841 OURAY AVENUE
FRANK E. & CARLE J. HEGER

2945-141-39-016
853 OURAY AVENUE
CYNTHIA BAETTCHER-HALE



NOTE:
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIR COSTS ASSOCIATED WITH ANY & ALL DAMAGES TO PRIVATE PROPERTY BEYOND THE EXISTING RIGHT-OF-WAY AND FOR ANY ADDITIONAL DAMAGES TO ITEMS NOT CALLED OUT ON THE PLANS TO BE REMOVED, REPLACED OR RE-SET.



SAW-CUT & REMOVE EX CONCRETE AT SSCO (2) AS SHOWN.
INSTALL TYPE "A" ISOLATION JOINT AT NEW EDGE OF PAVEMENT.
ADJUST EX SSCO TO MATCH NEW PAVEMENT EL. STA. 3+95.00/7.64' LT.

ADJUST EX SSCO TO MATCH NEW PAVEMENT EL. STA. 3+70.95/9.43' RT.
ADJUST EX SSCO TO MATCH NEW PAVEMENT EL. STA. 3+97.58/8.91' RT.

AGGREGATE BASE (CLASS 6) AS SHOWN FROM EDGE OF PAVEMENT. COMPACT TO 90% AASHTO T-180. (NORTH SIDE OF ALLEY)

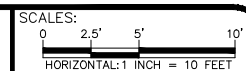
AGGREGATE BASE (CLASS 6) AS SHOWN FROM EDGE OF PAVEMENT. COMPACT TO 90% AASHTO T-180. (SOUTH SIDE OF ALLEY)

ALLEY CONSTRUCTION:
CONSTRUCT ALLEY CONCRETE PAVEMENT (8") TO THE LINES & GRADES AS SHOWN ON THE PLANS. REMOVAL OF ASPHALT & CONCRETE PAVEMENTS AND UNCLASSIFIED EXCAVATION SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE ALLEY AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY AS CITED IN SECTION 108.13 OF THE CONTRACT DOCUMENTS.

2945-141-39-012
844 GRAND AVENUE
JOHN M. GRIBBEN & ANDREA JAHNKE

2945-141-39-014
850 GRAND AVENUE
850 GRAND, LLC.

REVISION	DESCRIPTION	DATE	DRAWN BY:	DATE:
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REVISION Δ REV 3			KAH	09/09/21
REVISION Δ REV 4			KAH	09/09/21

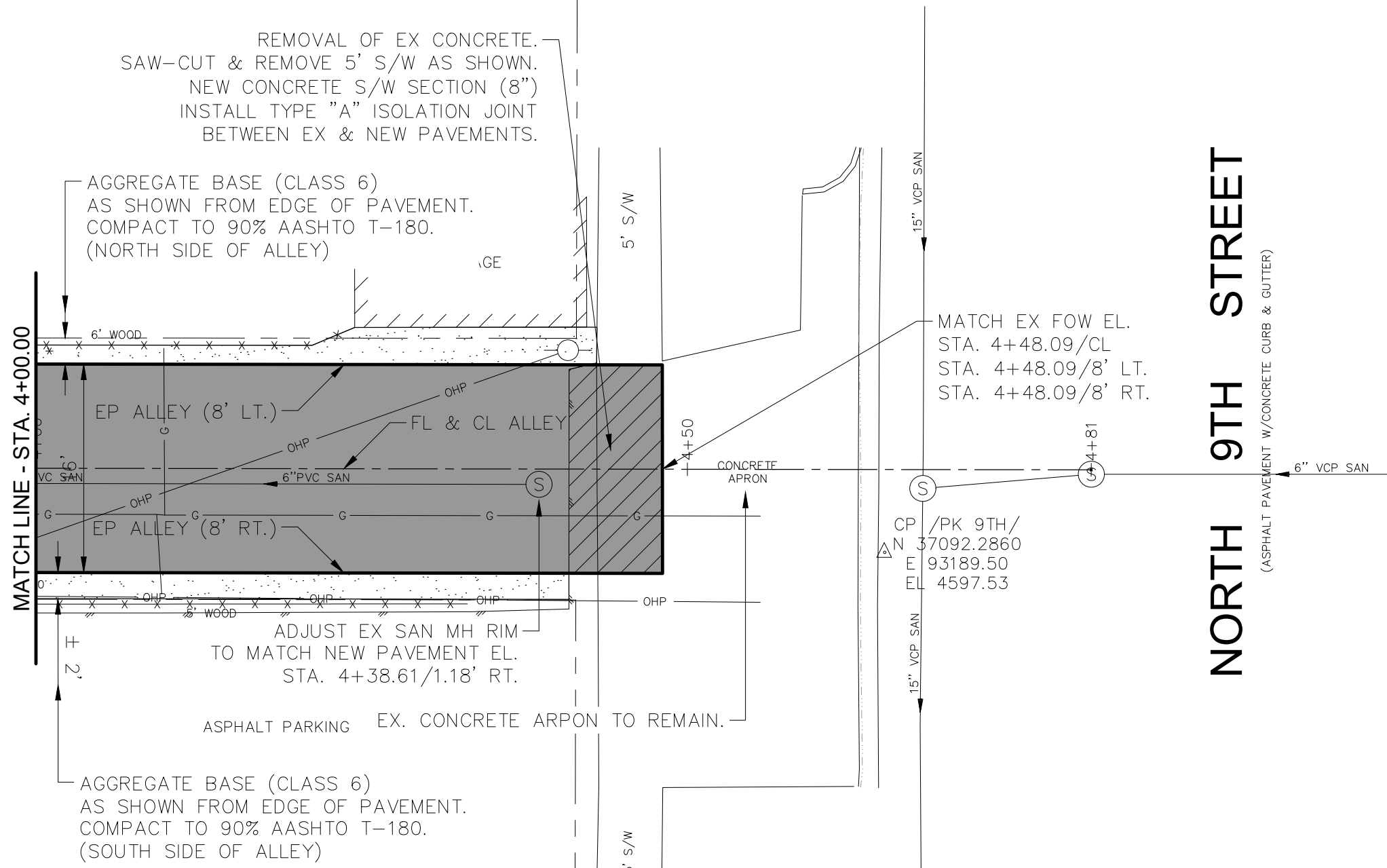
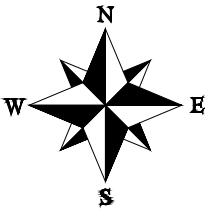


**PUBLIC WORKS
ENGINEERING DIVISION**
PROJECT NO. F000207

**2021 ALLEY IMPROVEMENTS DISTRICT
ALLEY IMPROVEMENT PLAN - 3**
September 9, 2021

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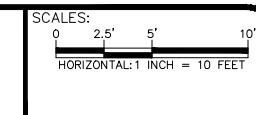
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 859 OURAY AVENUE
 CHARLEE A. BOGER



2945-141-39-015
 858 GRAND AVENUE
 CYNTHIA MARAE HAND-TREECE

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REVISION Δ REV 2		
REVISION Δ REV 3		
REVISION Δ REV 4		

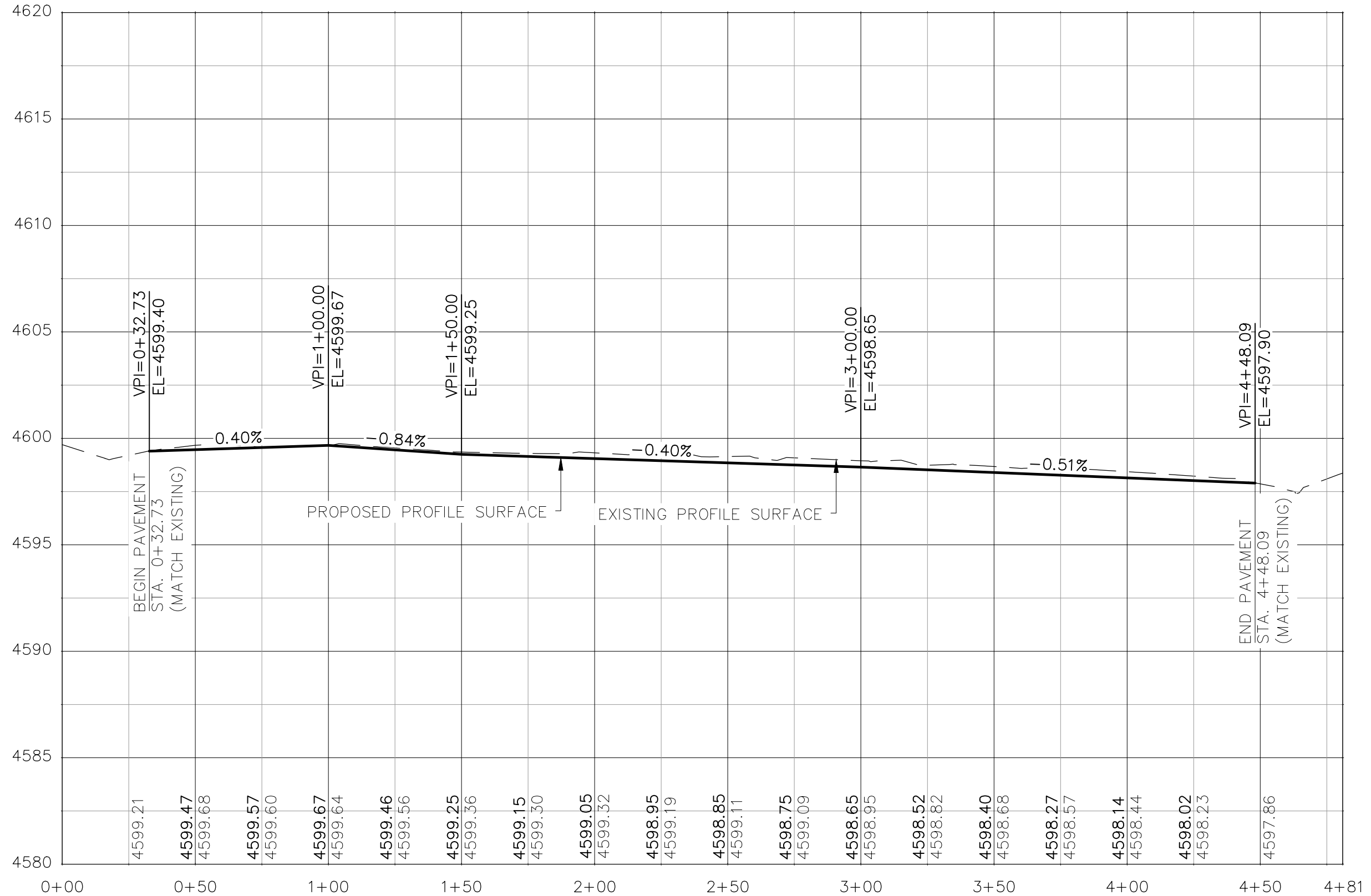
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 PROJECT NO. F000207

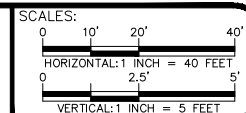
2021 ALLEY IMPROVEMENTS DISTRICT
 ALLEY IMPROVEMENT PLAN - 4
 September 9, 2021

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FLOW LINE & CENTERLINE OF ALLEY

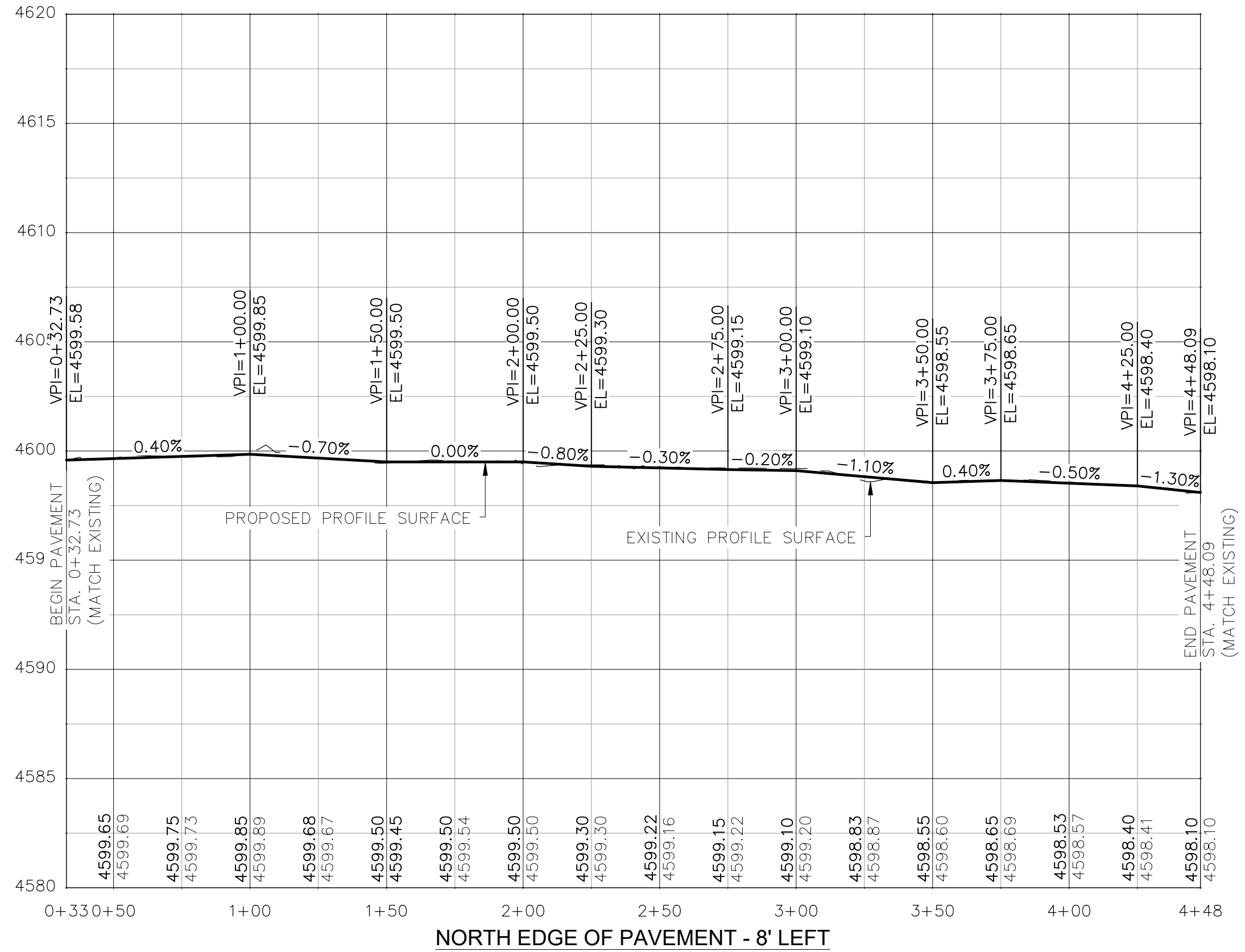
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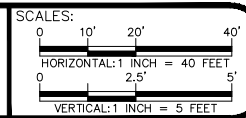
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PROJECT NO. F000207

2021 ALLEY IMPROVEMENTS DISTRICT
ALLEY PROFILE - CENTERLINE
September 9, 2021

ELEVATION



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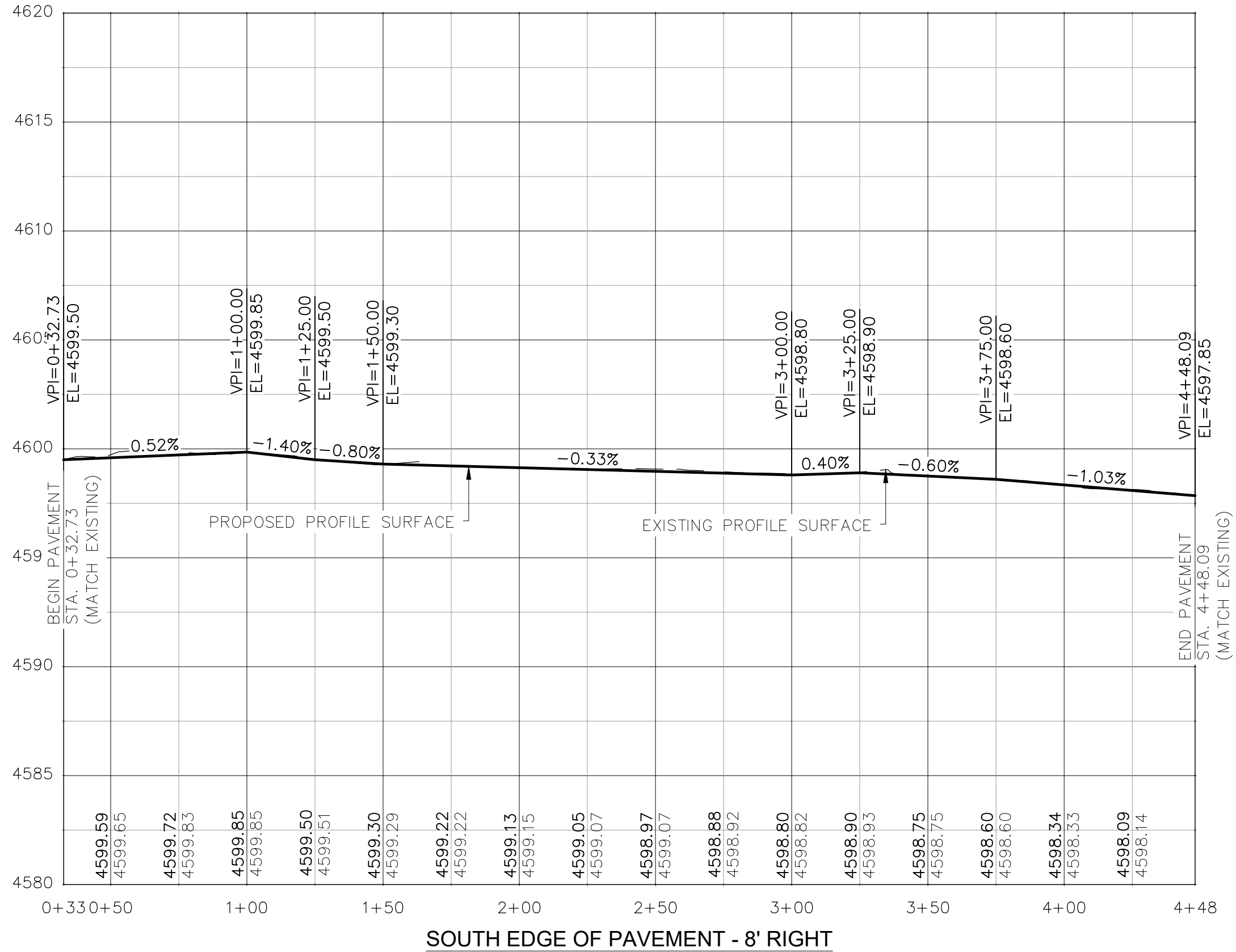


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PROJECT NO. F000207

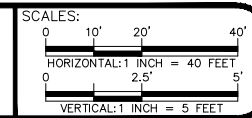
2021 ALLEY IMPROVEMENTS DISTRICT
ALLEY PROFILE - NORTH EDGE 8' LEFT
September 9, 2021

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ELEVATION



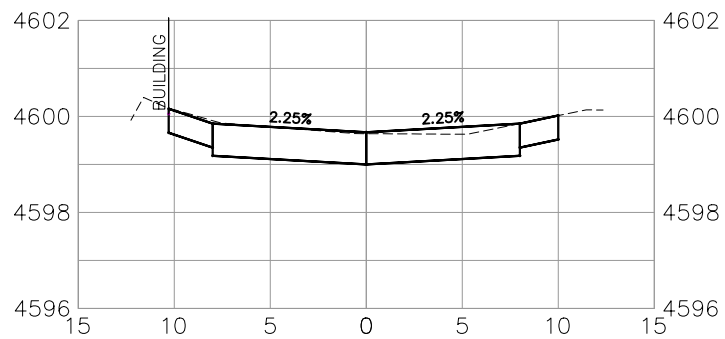
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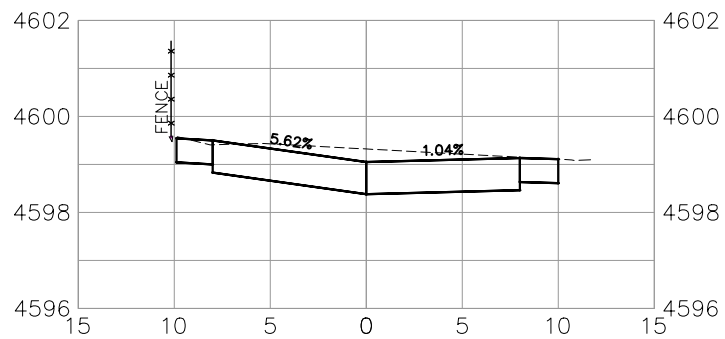
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PROJECT NO. F000207

2021 ALLEY IMPROVEMENTS DISTRICT
ALLEY PROFILE - SOUTH EDGE 8' RIGHT
September 9, 2021

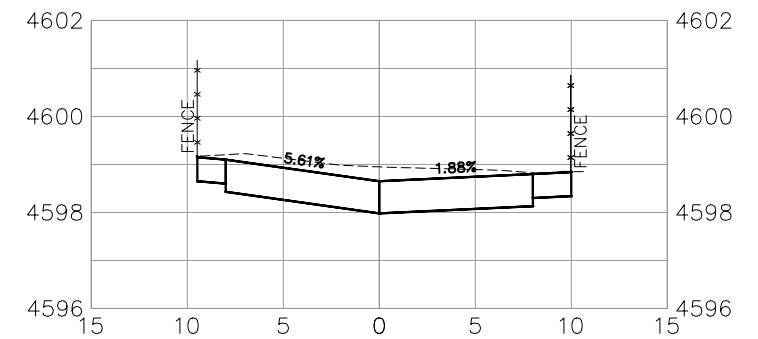
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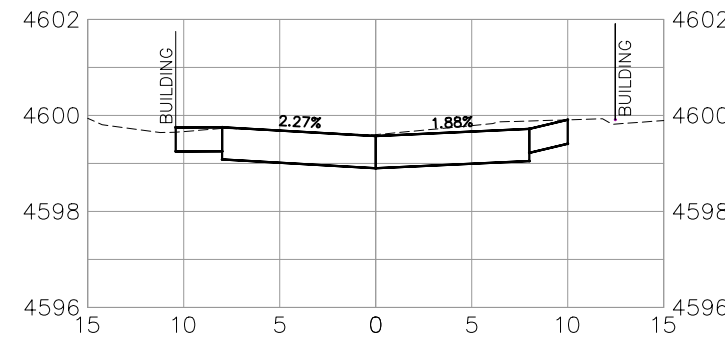
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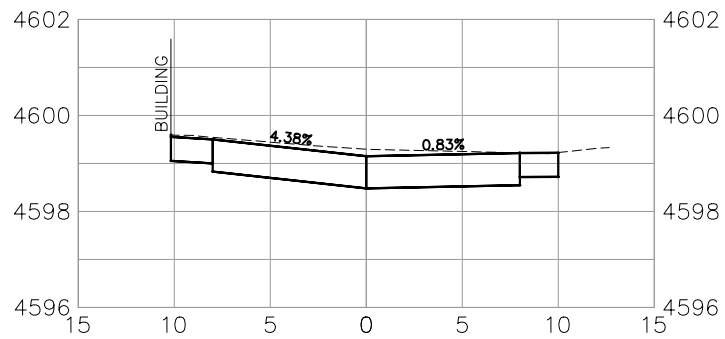
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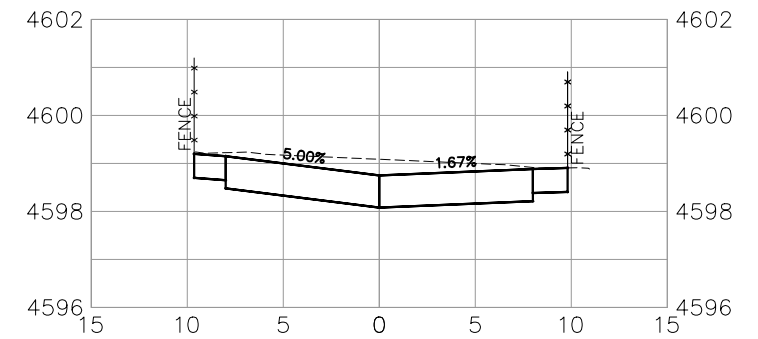
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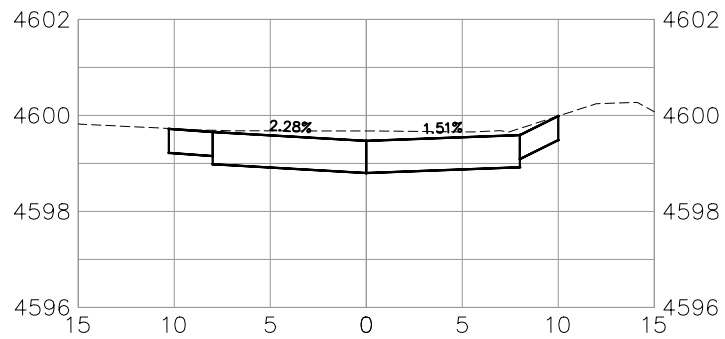
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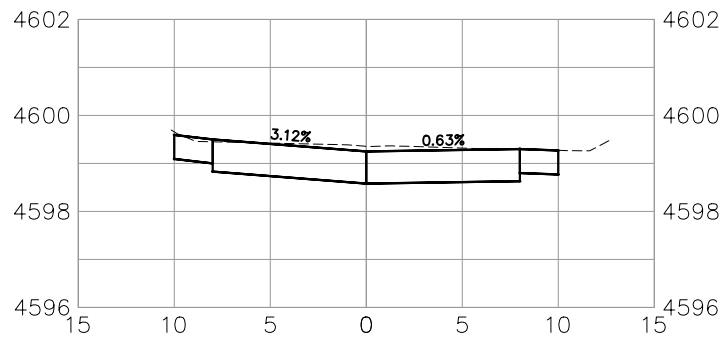
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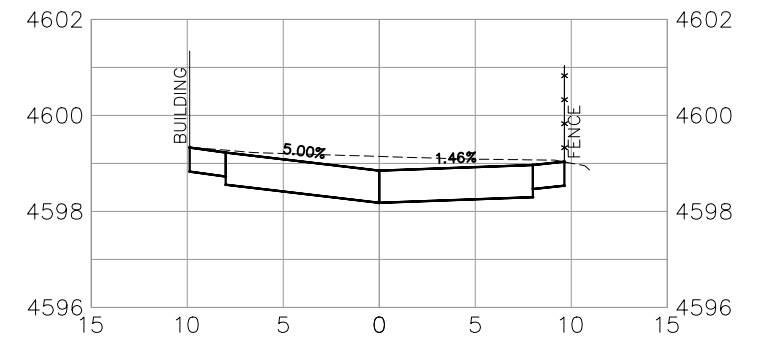
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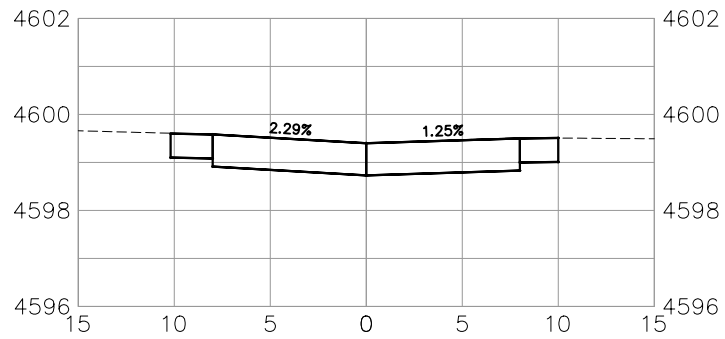
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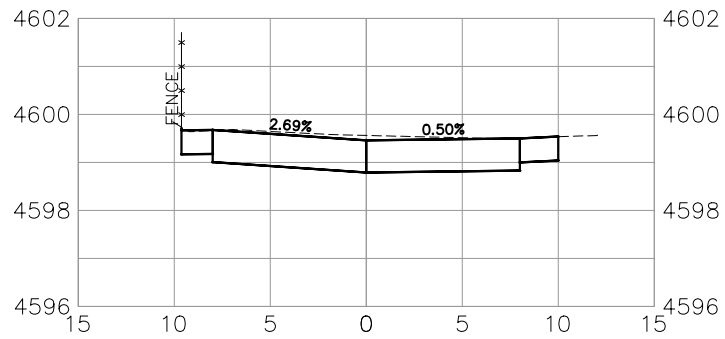
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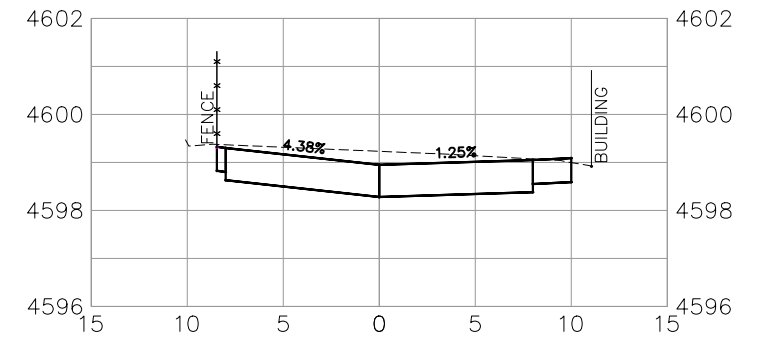
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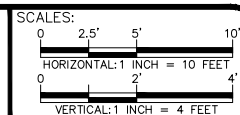


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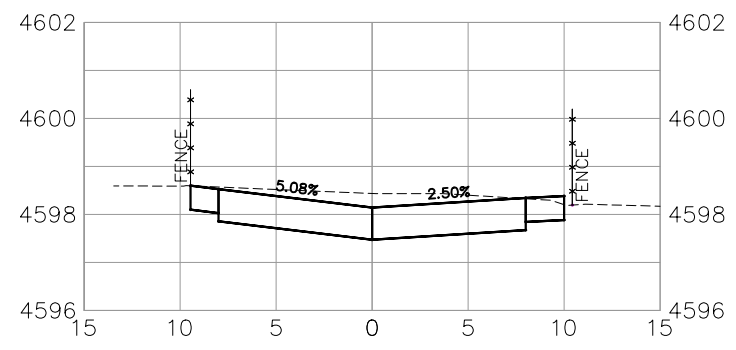
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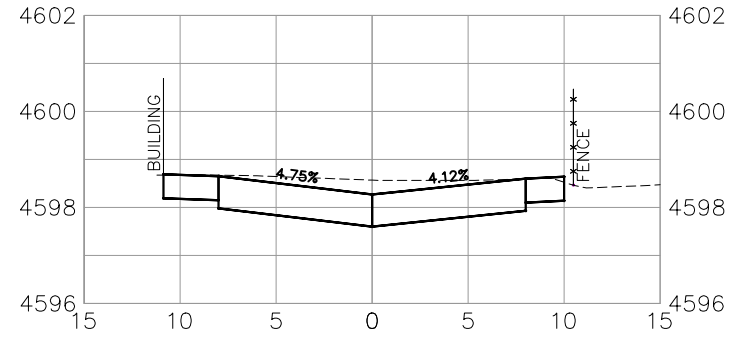


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PROJECT NO. F000207

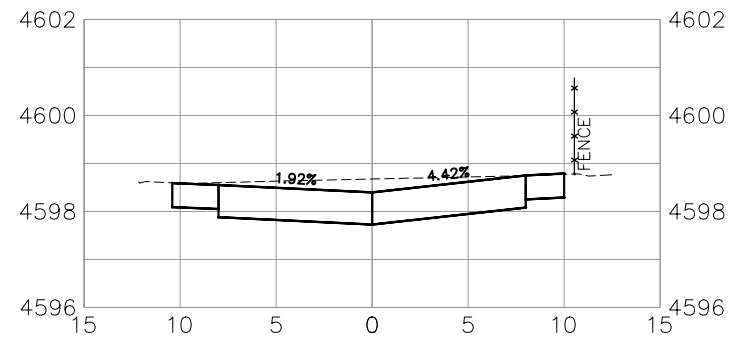
2021 ALLEY IMPROVEMENTS DISTRICT
ALLEY CROSS SECTIONS - 1
September 9, 2021



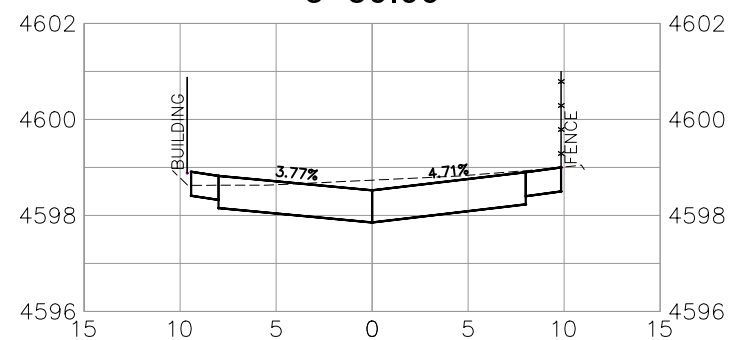
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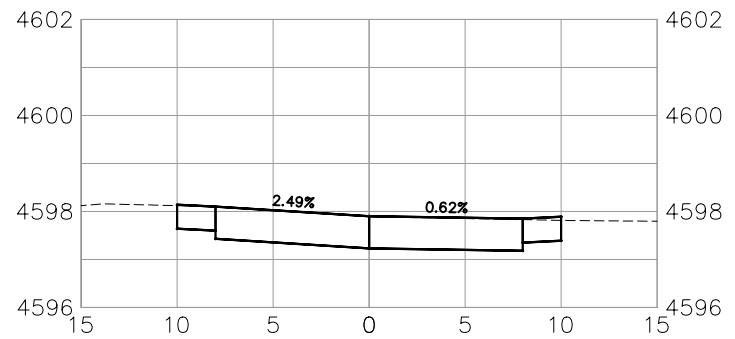
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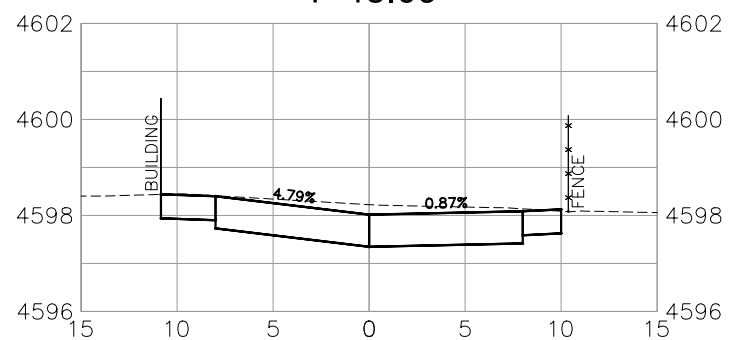
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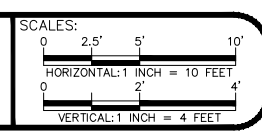


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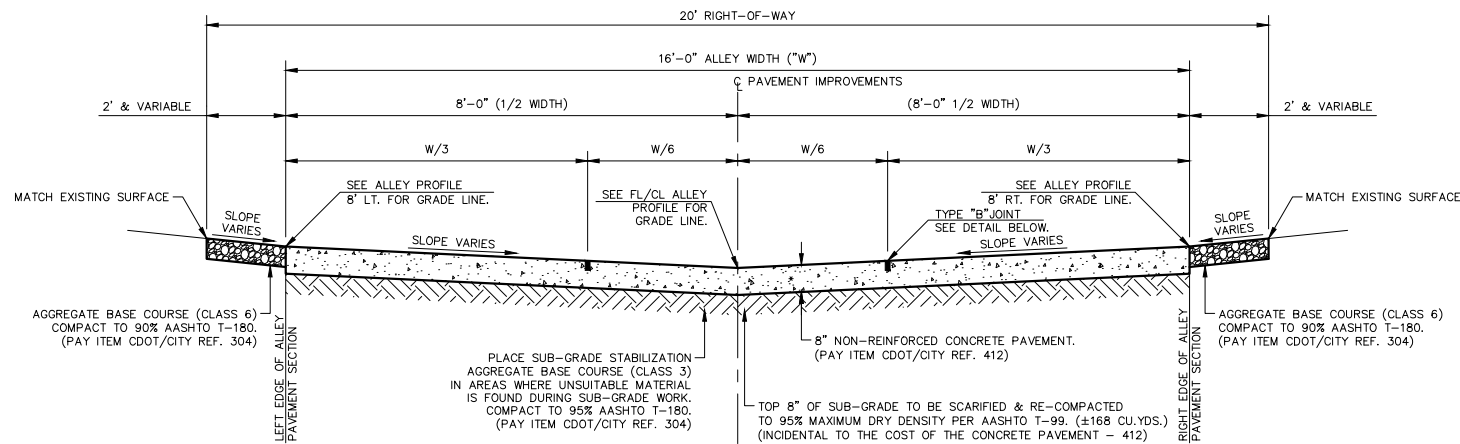


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ENGINEERING DIVISION**
PROJECT NO. F000207

2021 ALLEY IMPROVEMENTS DISTRICT
ALLEY CROSS SECTIONS - 2
September 9, 2021

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TYPICAL ALLEY PAVEMENT SECTION



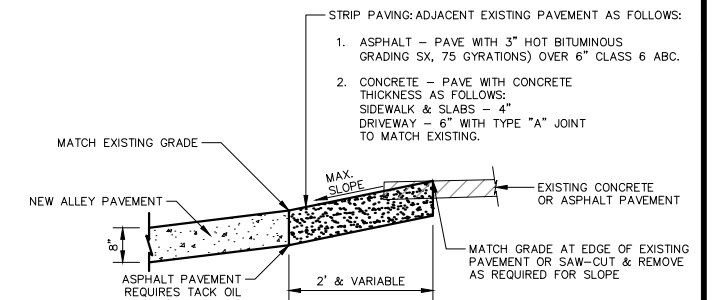
GENERAL NOTES

- The location of underground utilities shown on these plans and profiles are approximate only. The Contractor shall be responsible for locating all utilities in the field before performing any work which may affect them.
- The Contractor shall provide a sanitary facility at the job site.
- The following utility companies may have facilities along this project: The City of Grand Junction - Sewer and Water, Xcel Energy Company - Gas, Electric, Qwest - Telephone, AT&T Broad Band - Cable Television.
- All traffic control, barricades, barriers, etc. shall be in accordance with the Manual on Uniform Traffic Control Devices.
- Excess excavated materials, asphalt, and concrete shall become the property of the Contractor, who is responsible for disposal at locations approved of by the Engineer.
- The typical joint layout shown is intended to be a standard for the project. Proposed variations from the standard (if any) shall be prepared and submitted by the Contractor to the Engineer for approval.
- A Type "D" Joint shall be constructed at the end of a days pour or where concrete placement is suspended for more than 30 minutes.
- The surface of the concrete shall be leveled and finished with a bull float. The surface shall be textured with a course broom finish transverse to the alley center line. Additional trowel work or use of steel trowels shall not be allowed.
- An approved cure and seal compound shall be applied to all exposed surfaces immediately after finishing in accordance with the manufactures instructions.
- See the specifications for additional information regarding concrete material, placement, temperature, considerations, joints, sealing, etc.
- Survey markers and lot pins (not shown on plans) shall be protected. If disturbed, they shall be reset by a licensed surveyor who is paid by the Contractor.
- Replacing sod and resetting sprinklers adjacent to the work shall be measured and paid under the bid items shown in the Bid Schedule. Other landscape restoration not listed in the bid schedule shall be considered incidental to other items of work and will not be paid for separately.
- All materials and workmanship shall be subject to inspection by the City of Grand Junction. The City reserves the right to accept or reject any materials and workmanship that does not conform to the Standards and Specifications of the City.
- The Contractor shall have a copy of the City of Grand Junction STANDARD CONTRACT DOCUMENTS FOR CAPITAL IMPROVEMENT CONSTRUCTION at the job site at all times.

EDGE TREATMENT DETAILS

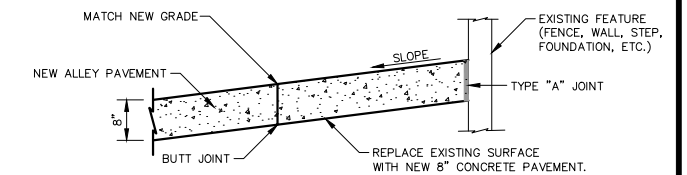
NOTE:

WHERE THE EDGE OF AN EXISTING PRIVATE DRIVEWAY, SIDEWALK OR PARKING LOT PAVEMENT IS WITHIN 6" OF THE RIGHT OF WAY LINE, THE CONTRACTOR SHALL EXTEND THE PAVEMENT TO THE ALLEY. WHERE THE EDGE OF THE PRIVATE PAVEMENT IS MORE THAN 6" OUTSIDE THE RIGHT OF WAY LINE, IT SHALL BE THE PROPERTY OWNER'S RESPONSIBILITY AND EXPENSE TO EXTEND THE PAVEMENT TO THE RIGHT OF WAY LINE. IF THE PROPERTY OWNER DECIDES NOT TO EXTEND THE PAVEMENT, THEN THE SPACE BETWEEN THE RIGHT OF WAY LINE AND THE EDGE OF ALLEY SHALL NOT BE PAVED.



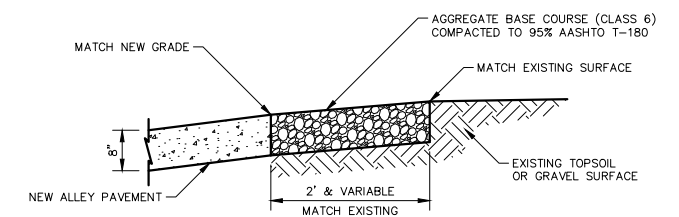
EDGE TREATMENT ADJACENT TO CONCRETE OR ASPHALT PAVEMENT

NOT TO SCALE



EDGE TREATMENT - ADJACENT TO STRUCTURES

NOT TO SCALE

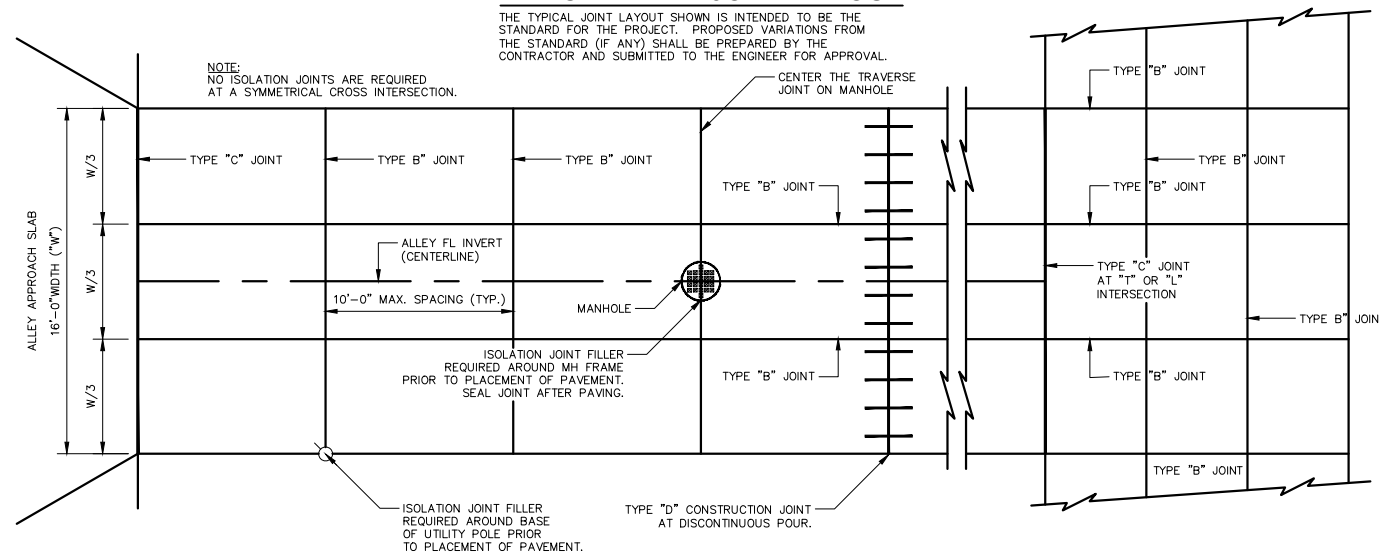


EDGE TREATMENT - GRAVEL SHOULDER OR TOPSOIL

NOT TO SCALE

TYPICAL ALLEY JOINT LAYOUT

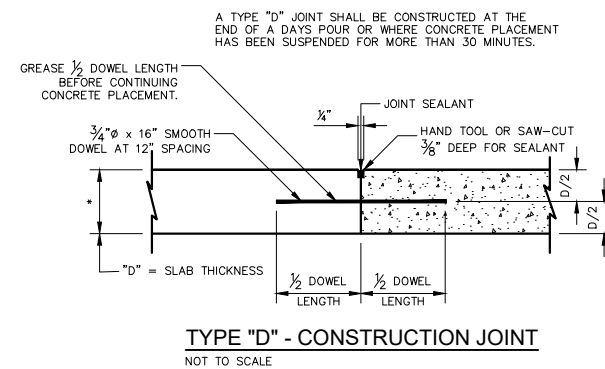
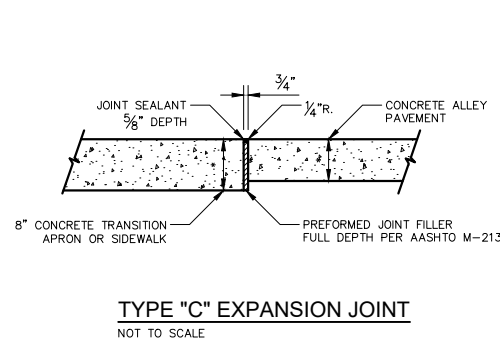
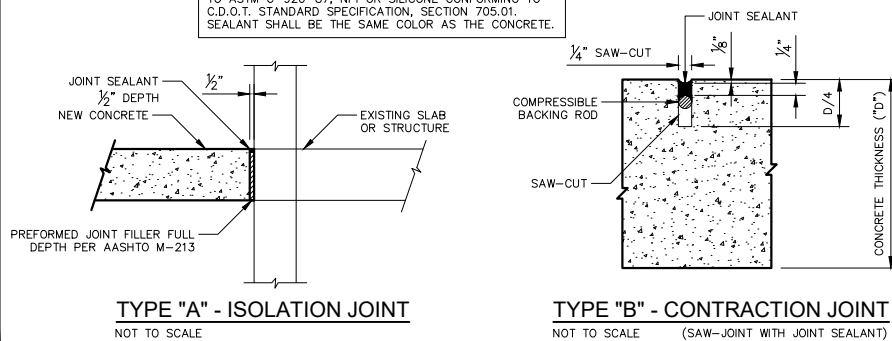
THE TYPICAL JOINT LAYOUT SHOWN IS INTENDED TO BE THE STANDARD FOR THE PROJECT. PROPOSED VARIATIONS FROM THE STANDARD (IF ANY) SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL.



PAVEMENT JOINT NOTES:

ALL JOINTS IN CONCRETE PAVEMENT SHALL BE SEALED. JOINT SEALANT SHALL BE POLYURETHANE CONFORMING TO ASTM C-920-87, NPI OR SILICONE CONFORMING TO C.D.O.T. STANDARD SPECIFICATION, SECTION 705.01. SEALANT SHALL BE THE SAME COLOR AS THE CONCRETE.

TYPICAL JOINT DETAILS



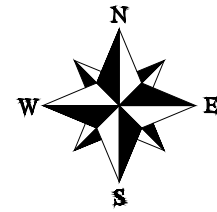
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REVISION Δ REV 3			KAH	09/09/21
REVISION Δ REV 4			KAH	09/09/21

SCALE INFORMATION AS NOTED.




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PROJECT NO. F000207

2021 ALLEY IMPROVEMENTS DISTRICT
TYPICAL PAVEMENT SECTIONS & JOINT DETAILS
September 9, 2021

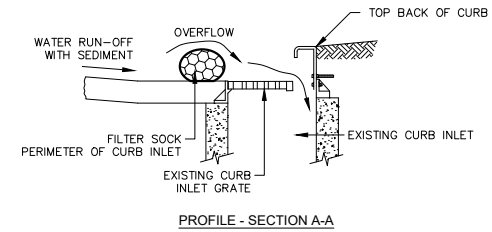
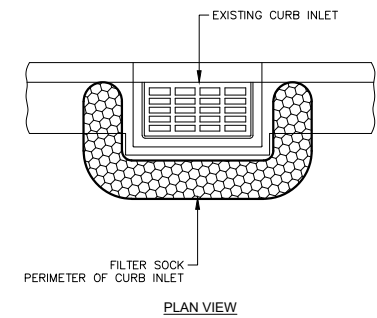


LEGEND

CONSTRUCTION ACCESS & AREAS OF DISTURBANCE 

HYDROLOGIC SOIL TYPES
SCS SOIL TYPE C - SANDY CLAY LOAM

ALLEY IMPROVEMENTS
N. 8TH STREET - N. 9TH STREET
 North of Grand Avenue & South of Ouray Avenue



1 GRAVEL FILTER AT CURB INLET
 NOT TO SCALE

EROSION CONTROL MEASURES

Performance Standards

The general requirements for erosion control work shall be as follows:

- Any grading shall be conducted in such a manner so as to effectively reduce accelerated soil erosion and resulting sedimentation.
- All grading shall be designed, constructed and completed in such a manner so that exposed area of any disturbed land shall be limited to the shortest time period.
- Sediment caused by accelerated soil erosion shall be removed from runoff water before leaving the site.
- Any temporary or permanent facility designed and constructed for the conveyance of water around, through, or from the graded area shall be designed to limit the water flow to a non-erosive velocity.

During Construction (Temporary Measures)

- Anchored Straw Bales (ASB):** The use of hay bales is proposed at the storm sewer outlets into channel and at all inlet locations (see Details C). Other locations are shown on the plan. Installation shall be in accordance with the detail as shown on the plans (see Detail C).
- Silt Fence (SF)** The use of silt fences is proposed at the toes of fill slopes and other areas where sediment from upstream flows may spill to existing drainage ways. Other locations are shown on the plan. Installation shall be in accordance with the detail as shown on the plans (see Detail B).

After Construction (Permanent Measures)

- Rip-Rap:** The use of rip-rap per construction drawings is proposed for the storm sewer outlets. It shall function to take the impact of the release water, thereby reducing velocities to a non-erosive rate (See plan for storm sewer outfall location).

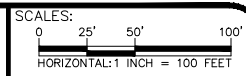
Maintenance

- The contractor or his designated representative shall make routine checks on all erosion control measures to determine if repairs or sediment removal is necessary.
- After each rainfall or moderate snow melt, erosion control measures are to be checked. If repairs are needed, they shall be completed immediately.
- Silt and sediment shall be removed when they reach a height of one-half of the barrier (silt fence or anchored straw bale).
- When temporary measures are to be removed, any silt and sediment deposits shall be removed and spread evenly in fill areas.

General Notes

- At all times during construction, erosion and sediment control shall be maintained by the contractor or his designated representative.
- Erosion control system shall be installed as grading progresses.
- Erosion bales shall be straw or hay, depending on availability.
- Details shown are schematic only. Adjust as necessary to fit field conditions.
- Erosion bales shall be placed to avoid runoff flowing between, around or under bales. Bales shall be anchored with 2" x 2" x 4" wooden stakes or #4 reinforcing bars, two per bale (see details for further instructions).
- Negative impacts to downstream areas (or receiving waters) caused by the slope grading to be monitored and corrected by the contractor.
- Construction traffic entrances shall be cleaned on a continual basis during slope grading.

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REVISION Δ REV 4			KAH	09/09/21



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 PROJECT NO. F000207

2021 ALLEY IMPROVEMENTS DISTRICT
STORM WATER MANAGEMENT PLAN
 September 9, 2021

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