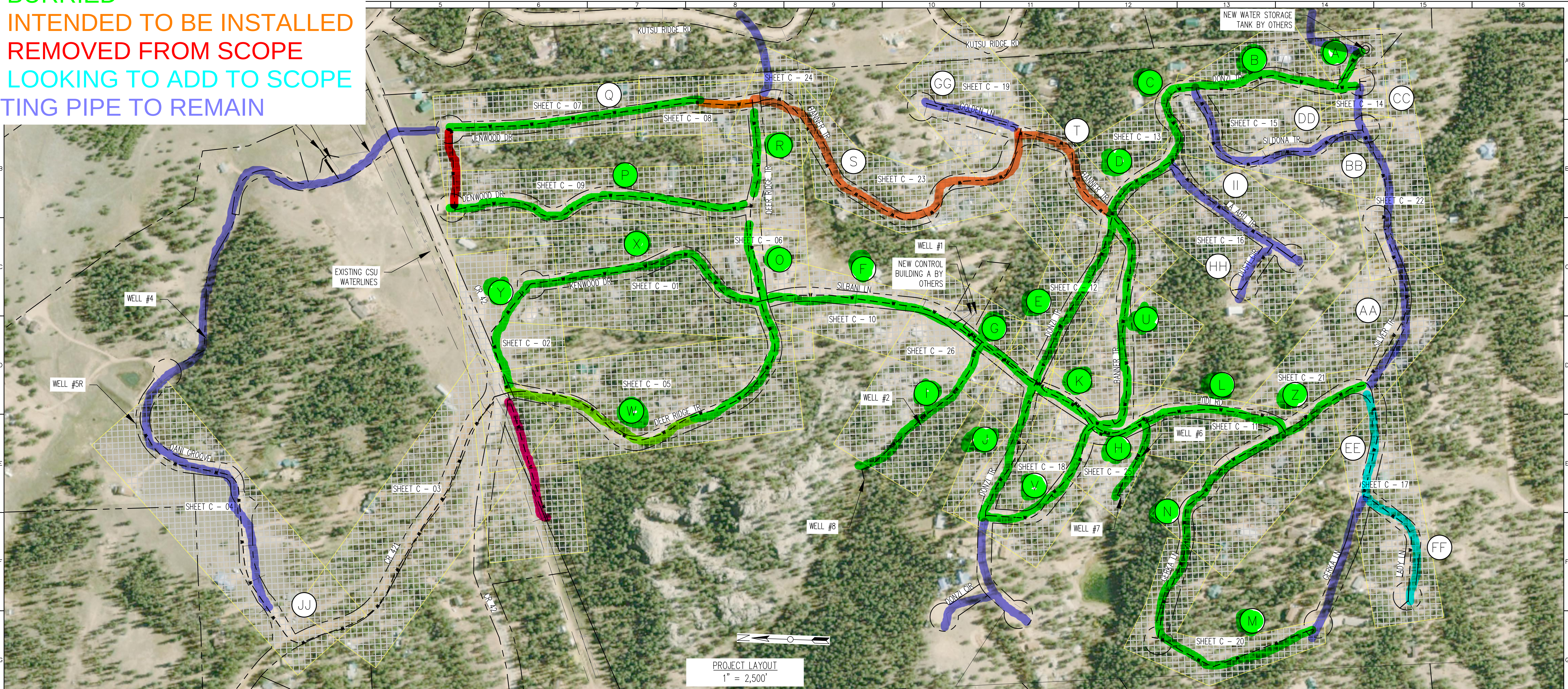


PIPE BURRIED
PIPE INTENDED TO BE INSTALLED
PIPE REMOVED FROM SCOPE
PIPE LOOKING TO ADD TO SCOPE
EXISTING PIPE TO REMAIN



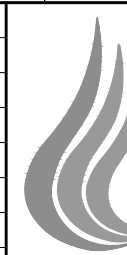
Segment	Starting Intersection	Ending Intersection	Pipe Diameter (in)	Begin Station	End Station	Length (ft)	Residential Taps	Gate Valves	Blow-offs	High Point
A	Tank Drain	Tank Drain	4"	1+00	2+80	180	2	2	0	0
B	Donzi and Sildona	Watertank	4"	22+91	30+04	713	5	2	1	0
C	Donzi and La Abu	Donzi and Sildona	4"	18+57	22+91	434	4	2	0	0
D	Donzi and Banner	Donzi and La Abu	4"	14+98	18+57	359	3	2	0	0
E	Donzi and Tidi	Donzi and Banner	4"	7+17	14+98	781	5	3	0	0
F	Deer Ridge and Silbani	Silbani and Donzi	4"	1+00	13+69	1269	7	2	1	1
G	Raw Water in Street	Raw Water in Street	2"	4+56	14+24	968	0	2	0	1
H	Raw Water - Well #6 and #7	Raw Water - Well #6 and #7	2"	1+00	4+56	356	0	1	0	0
I	Raw Water - Well #2 and #8	Raw Water - Well #2 and #8	2"	1+00	8+60	760	0	1	0	0
J	Donzi and Tidi	Donzi and Tidi	4"	1+00	7+17	717	4	3	1	0
K	Silbani and Donzi	Silbani and Banner	4"	13+69	16+82	313	0	2	0	1
L	Tidi and Banner	Tidi and Gerka	4"	16+82	25+56	874	2	2	1	0
M	Old Abandoned Line	Old Abandoned Line	4"	1+00	8+21	721	2	2	1	2
N	Abandon and Gerka	Gerka and Tidi	4"	8+21	19+27	1106	6	3	1	1
O	Deer Ridge and Kenwood	Deer ridge and Denwood	4"	16+60	20+61	401	3	2	0	0
P	Denwood and Deer Ridge	Denwood and CR 42	4"	1+00	14+03	1303	7	3	1	0
Q	Deer Ridge and Jenwood	Jenwood and CR 42	4"	1+00	17+26	1626	6	5	1	0
R	Deer ridge and Denwood	Deer Ridge and Jenwood	4"	20+61	25+22	561	3	3	0	1

PROJECT LAYOUT
1" = 2,500'

Item Completed
Item in Progress

Segment	Starting Intersection	Ending Intersection	Pipe Diameter (in)	Begin Station	End Station	Length (ft)	Residential Taps	Gate Valves	Blow-offs	High Point
S	Banner and Golden	Banner and Deer Ridge	4"	1+00	16+70	1570	8	3	0	1
T	Banner and Donzi	Banner and Golden	4"	18+10	24+07	597	5	2	0	0
U	Banner and Tidi	Banner and Donzi	4"	7+71	18+10	1039	4	2	1	1
V	Banner and Donzi	Banner and Tidi	4"	1+00	7+71	771	4	2	1	1
W	Deer Ridge and CR 42	Deer Ridge and Kenwood	4"	1+00	16+60	1560	5	2	0	0
X	Kenwood and CR 42	Kenwood and Deer Ridge	4"	1+00	11+67	1067	5	5	0	0
Y	Kenwood and CR 42	CR 42 Last Lot	4"	1+00	12+00	600	1	2	1	1
Z	Gerka and Tidi	Gerka and Silver	4"	19+27	23+34	407	1	2	1	0
AA	Golden and Silbani	Silbani and Golden	4"	22+91	30+04	713	5	2	1	0
BB	Donzi and Banner	Donzi and La Abu	4"	14+98	18+57	359	3	2	0	0
CC	Donzi and Sildona	Watertank	4"	22+91	30+04	713	5	2	1	0
DD	Donzi and Sildona	Watertank	4"	22+91	30+04	713	5	2	1	0
EE	Lady In and Gerka	Gerka In and Silver Tr	4"	6+46	11+47	501	4	3	0	0
FF	Lady lane cul-de-sac	Lady In and Gerka	4"	1+00	6+46	1092	5	2	1	1

REV. No:	DATE:	BY:	REVISION DESCRIPTION:



AquaWorks DBO
DESIGN BUILD OPERATE
3252 WILLIAMS STREET
DENVER, CO 80205
(303) 477-5915

ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROESSELLE, P.E.
CHECKED BY: ADAM SOMMERS, P.E.
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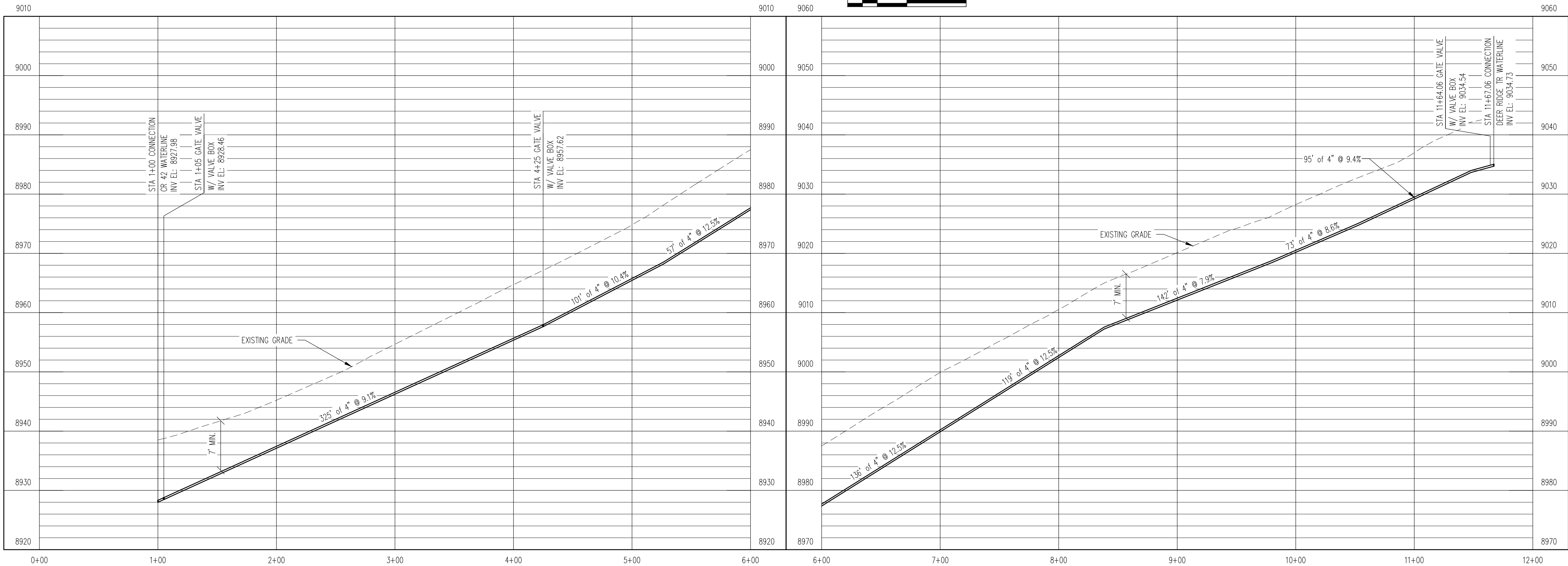
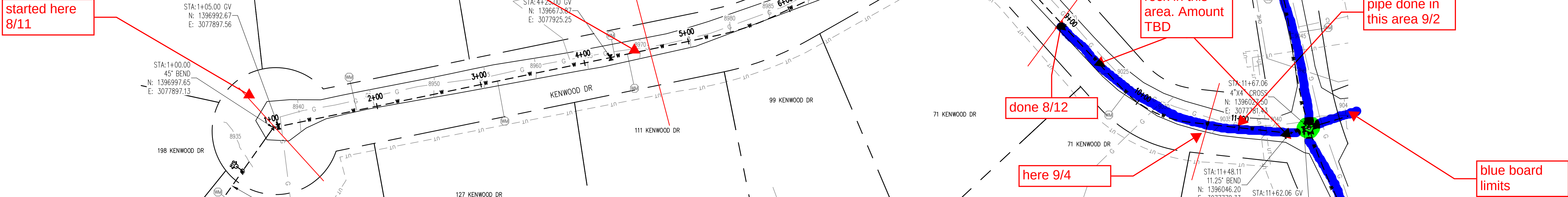
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PROJECT LAYOUT

1" = 2,500'

SHEET NUMBER:
G - 02

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5/21/2020

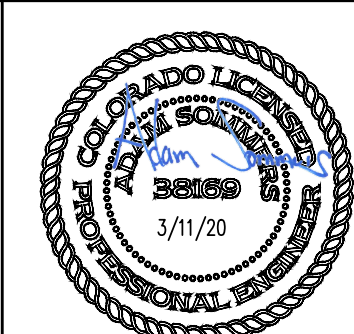


WATERLINE PROFILE
V: 1" = 10'

REV. No:	DATE:	BY:	REVISION DESCRIPTION:



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
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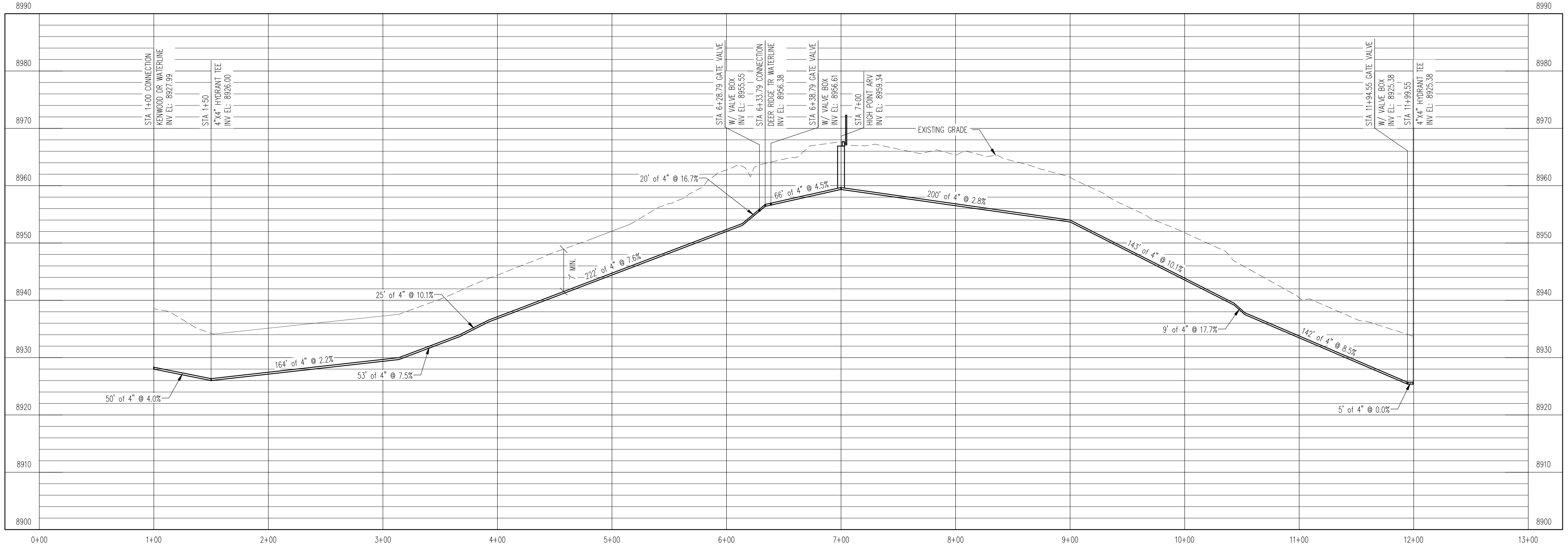
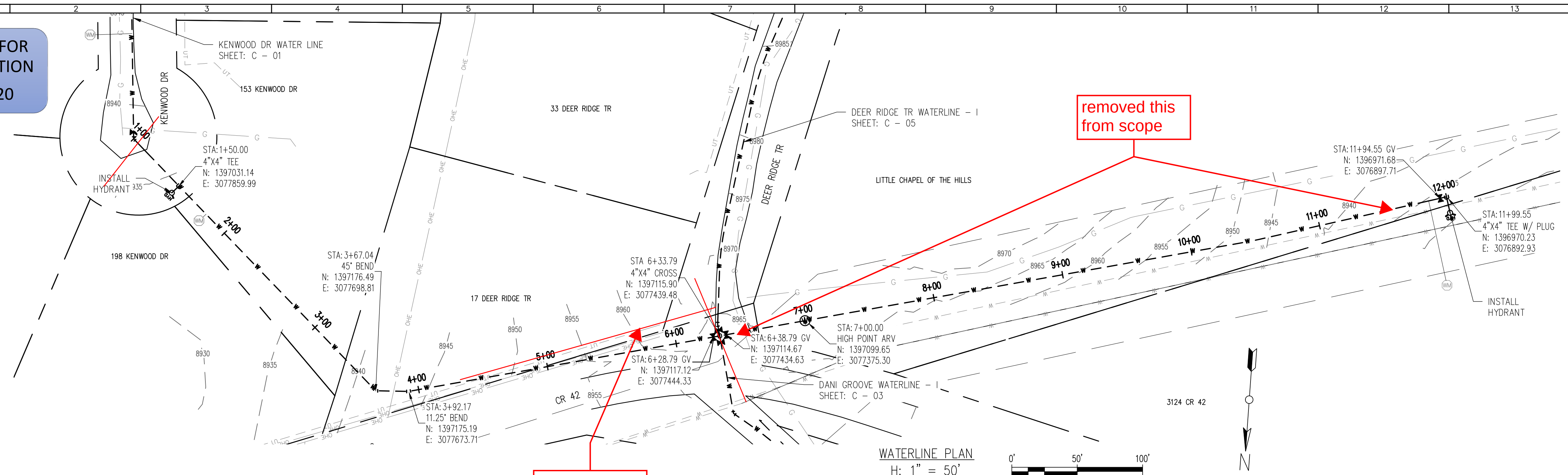
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KENWOOD DR WATERLINE
STA 1+00 TO END

SCALE
H: 1" = 50'
V: 1" = 10'

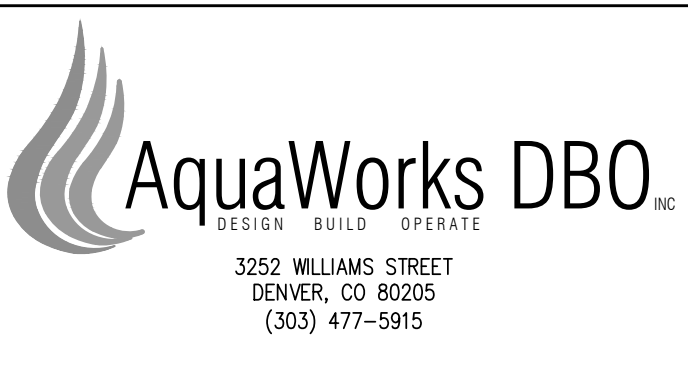
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C - 01

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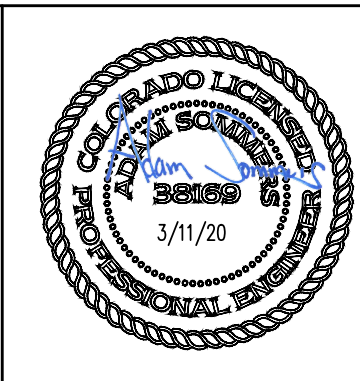


WATERLINE PROFILE
V: 1" = 10'

REV. No:	DATE:	BY:	REVISION DESCRIPTION:



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT

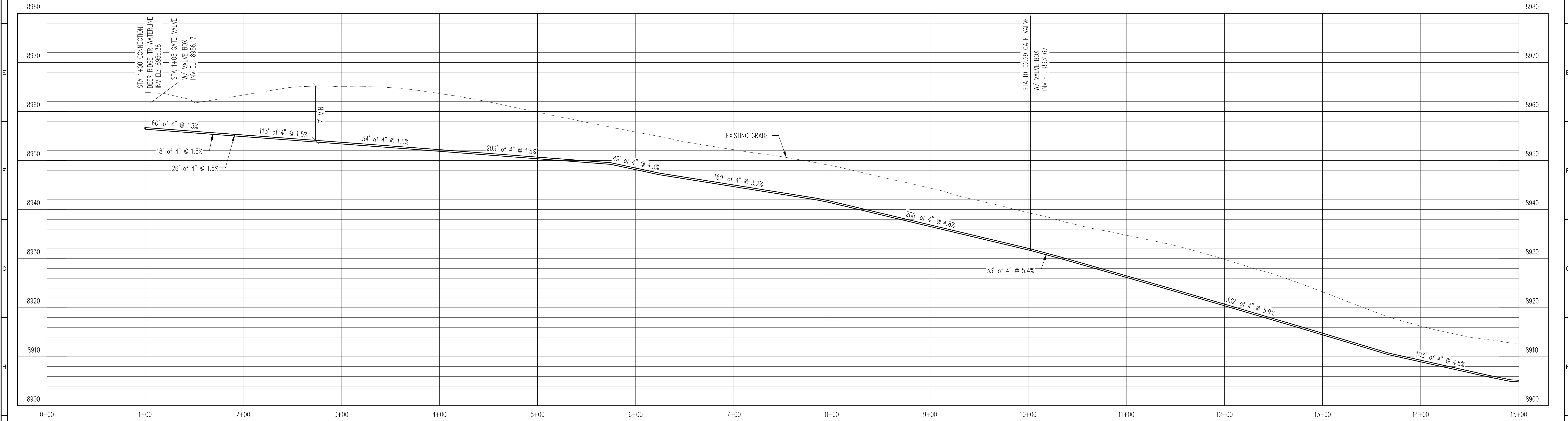
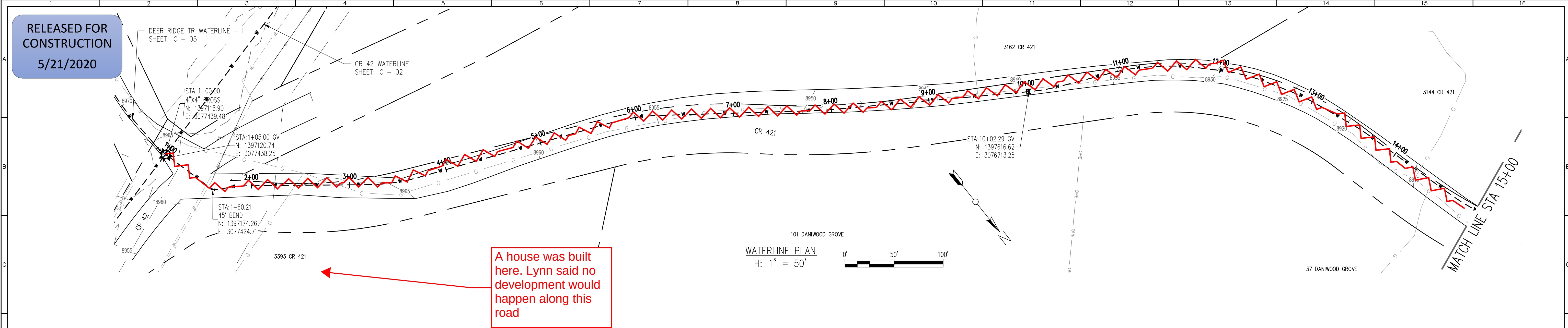


PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1299
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
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CR 42 WATERLINE
STA 1+00 TO END

SCALE
H: 1" = 50'
V: 1" = 10'
SHEET NUMBER:
C - 02



WATERLINE PROFILE
V: 1" = 10'

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3252 WILLIAMS STREET
DENVER, CO 80205
(303) 477-5915

ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



3/11/20

PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
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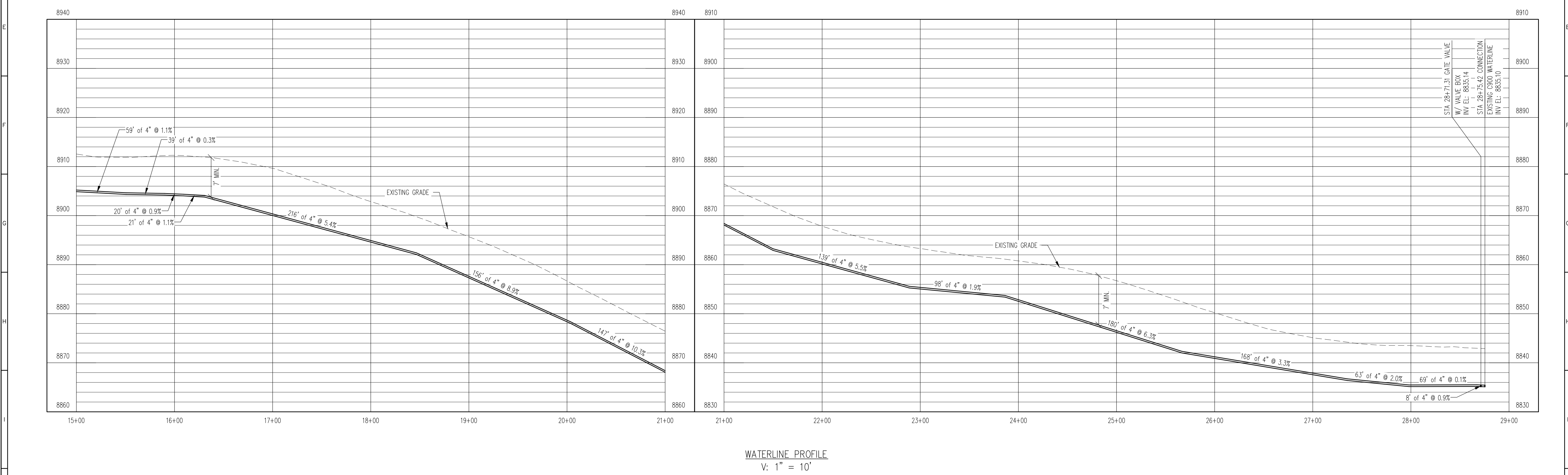
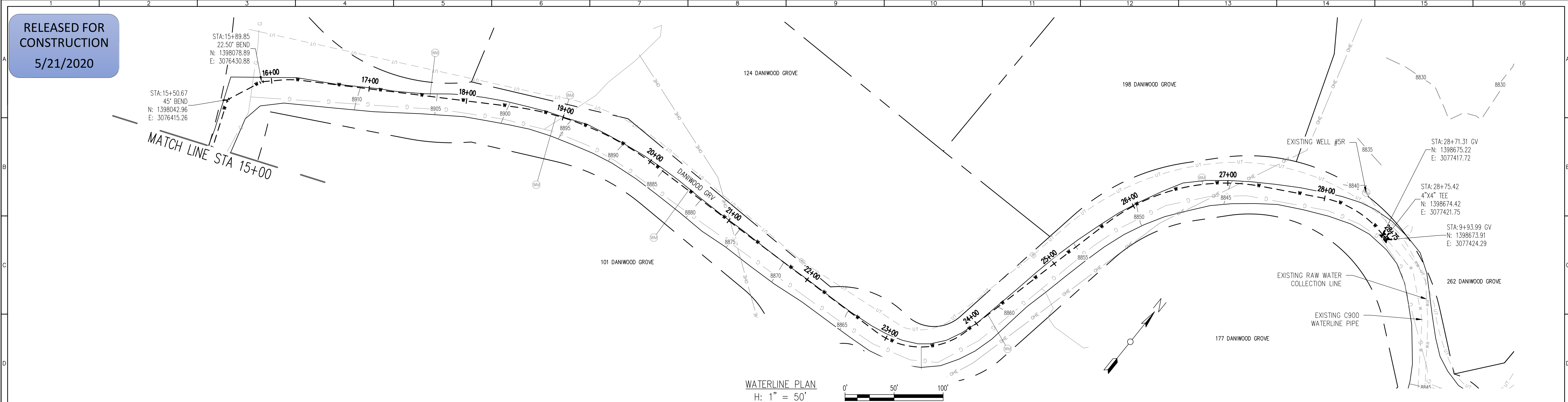
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DANI GROOVE WATERLINE - I
STA 1+00 TO STA 14+00

SCALE
H: 1" = 50'
V: 1" = 10'

SHEET NUMBER:
C - 03



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ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT

PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
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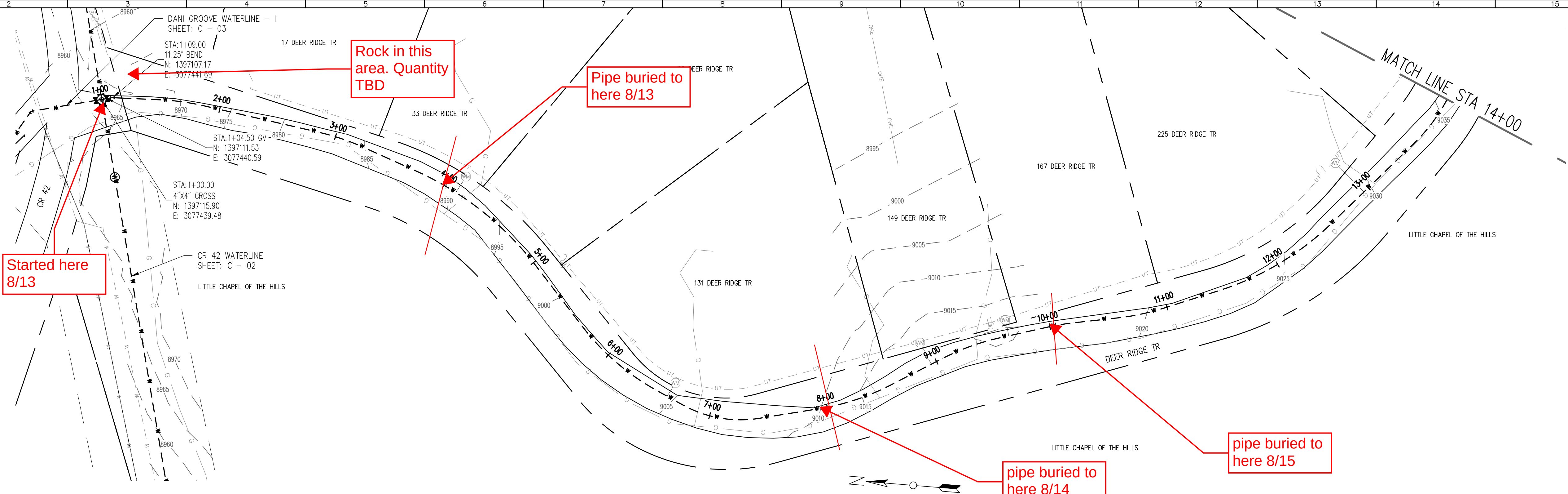
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DANI GROOVE WATERLINE - II
STA 14+00 TO END

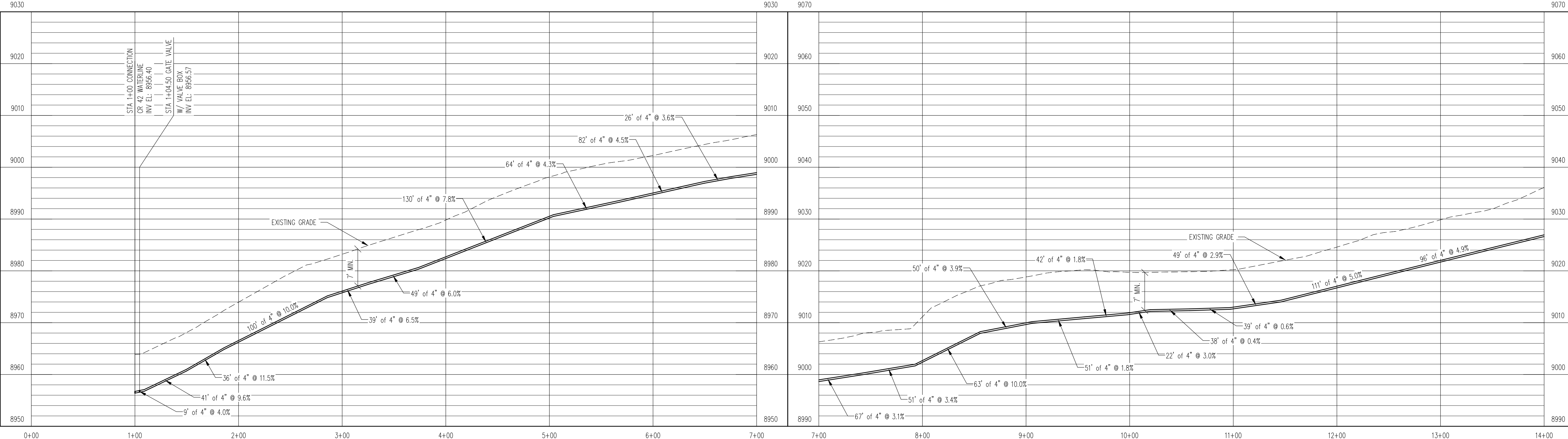
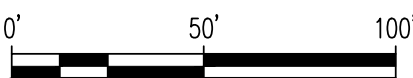
SCALE
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V: 1" = 10'

SHEET NUMBER:
C - 04

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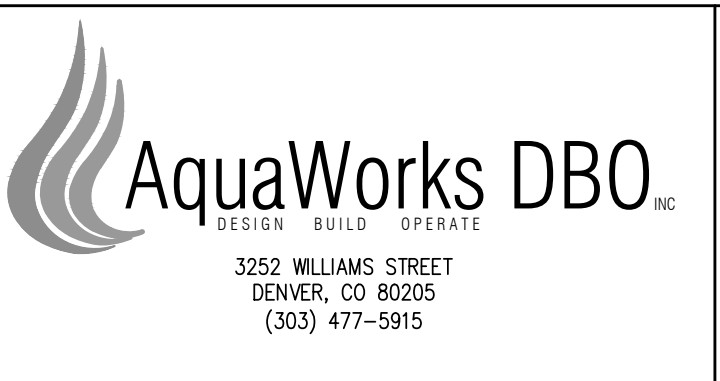


WATERLINE PLAN
H: 1" = 50'



WATERLINE PROFILE
V: 1" = 10'

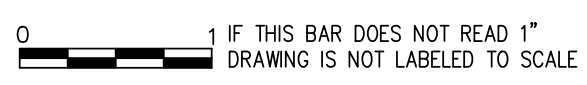
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ARABIAN ACRES
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DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



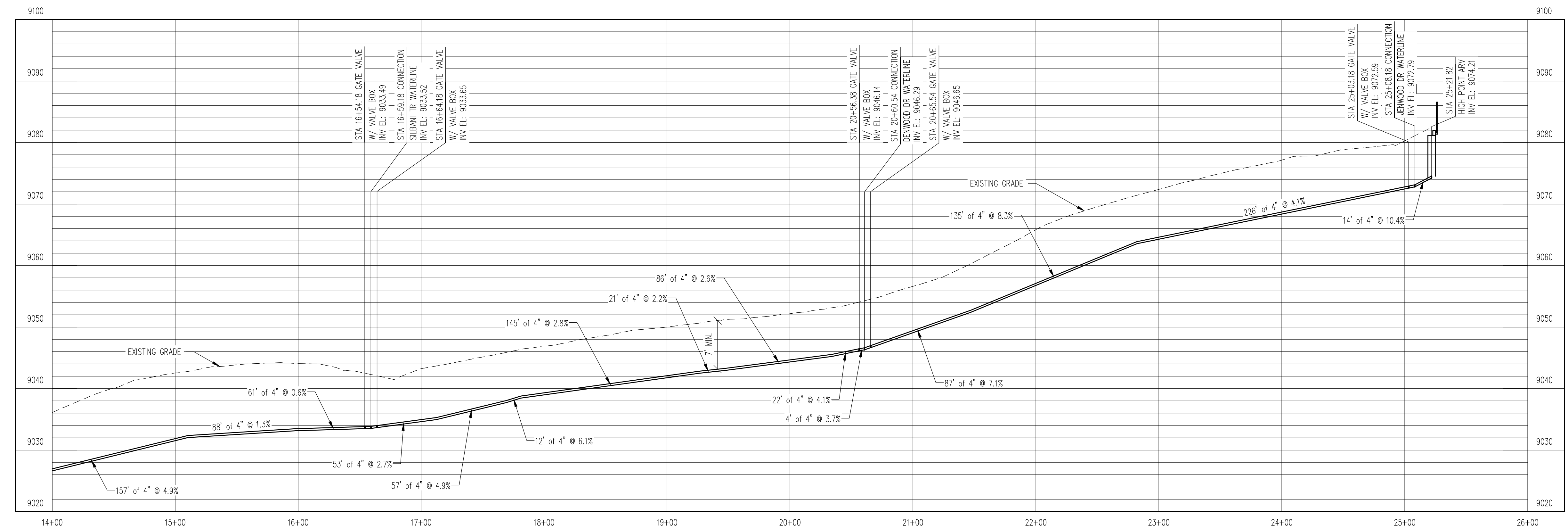
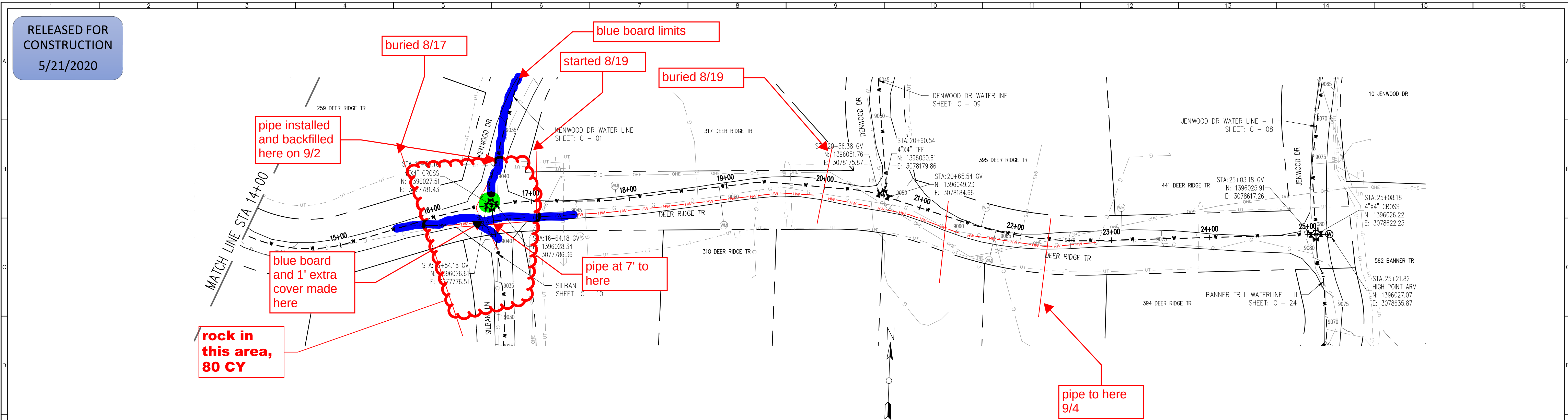
PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1299
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
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DEER RIDGE TR WATERLINE - I
STA 1+00 TO STA 14+00

SCALE
H: 1" = 50'
V: 1" = 10'
SHEET NUMBER:
C - 05



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DESIGN BUILD OPERATE

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(303) 477-5915

ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT

PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
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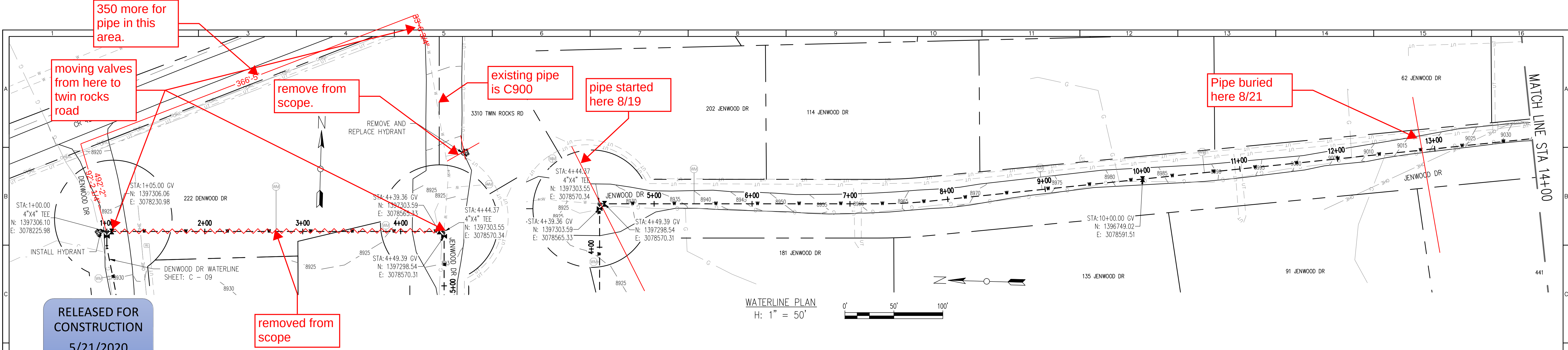
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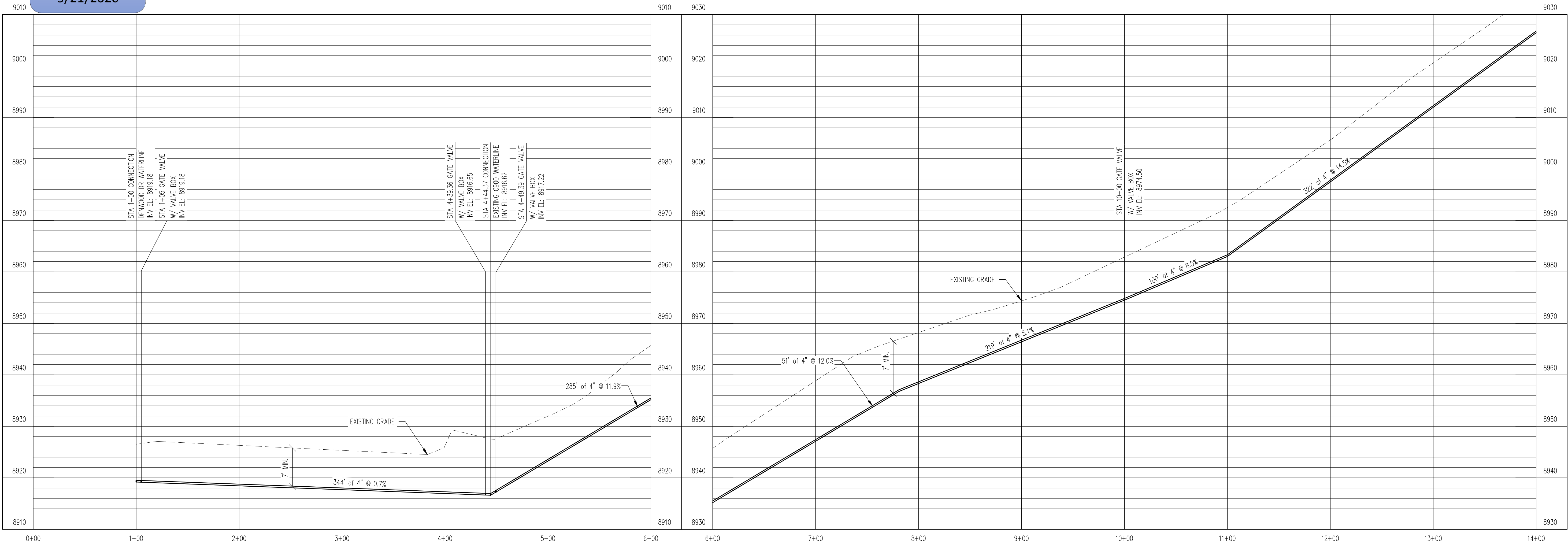
DEER RIDGE TR WATERLINE - II
STA 1+00 TO STA END

SCALE
H: 1" = 50'
V: 1" = 10'

SHEET NUMBER:
C - 06



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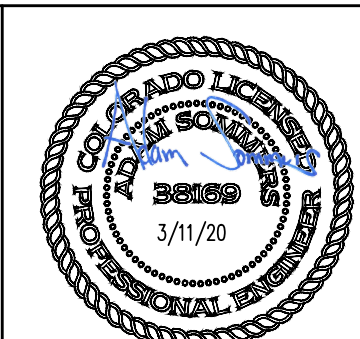


WATERLINE PROFILE
V: 1" = 10'

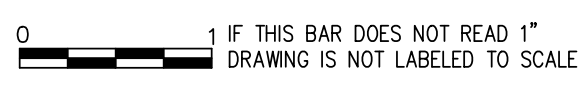
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ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELLE, P.E.
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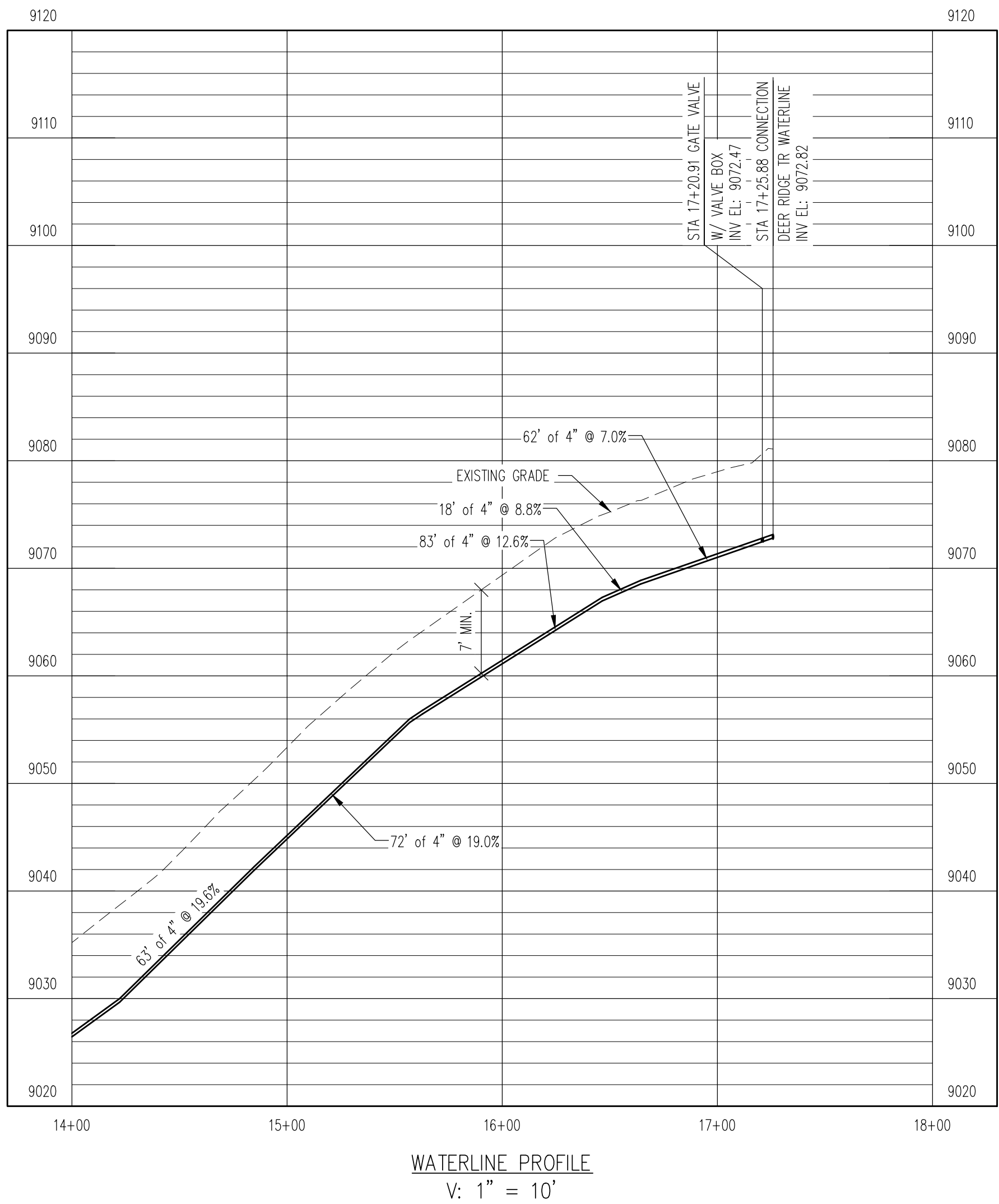
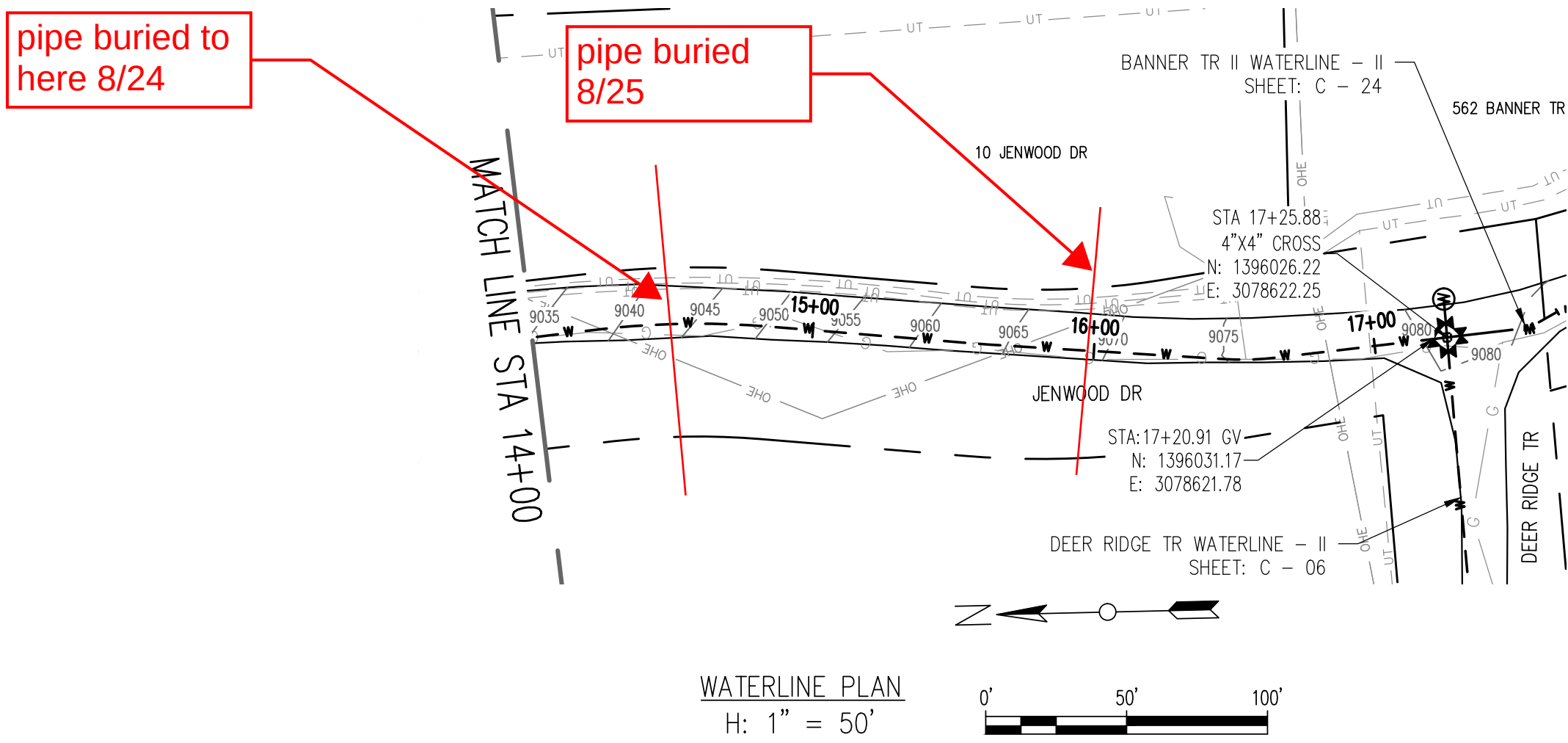


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JENWOOD DR WATER LINE - I
STA 1+00 TO STA 11+00

SCALE
H: 1" = 50'
V: 1" = 10'
SHEET NUMBER:
C - 07

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5/21/2020



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ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



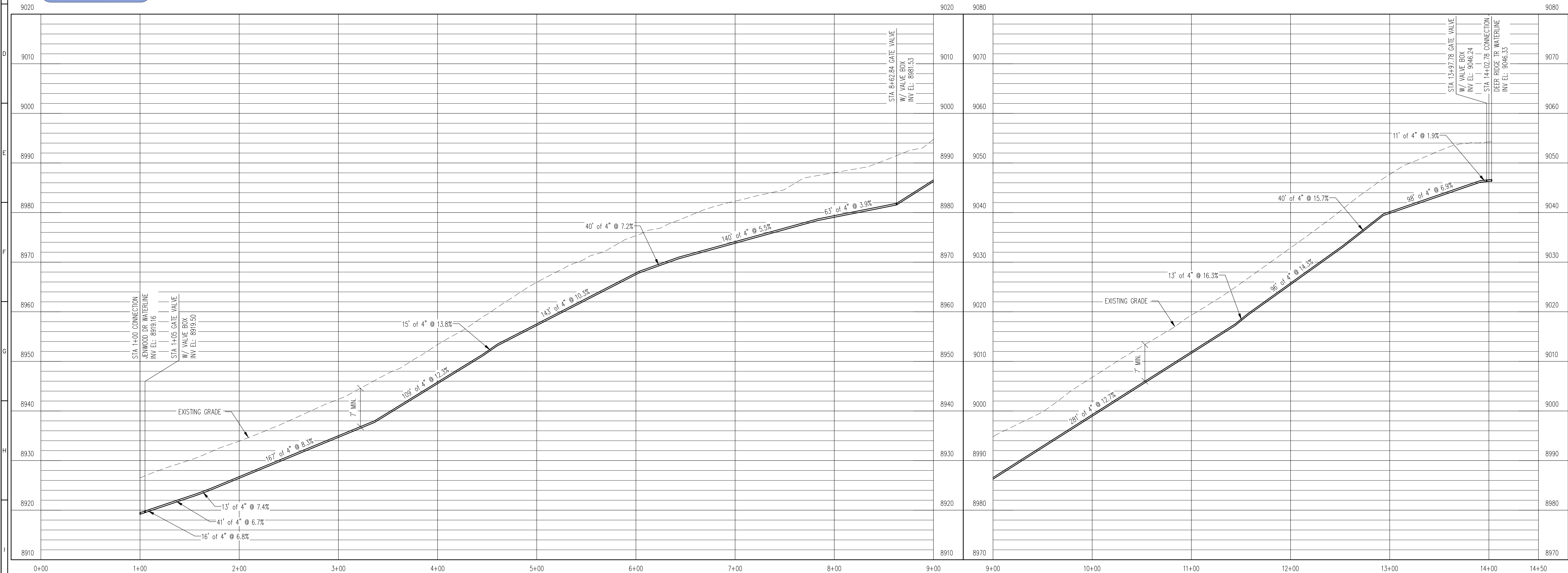
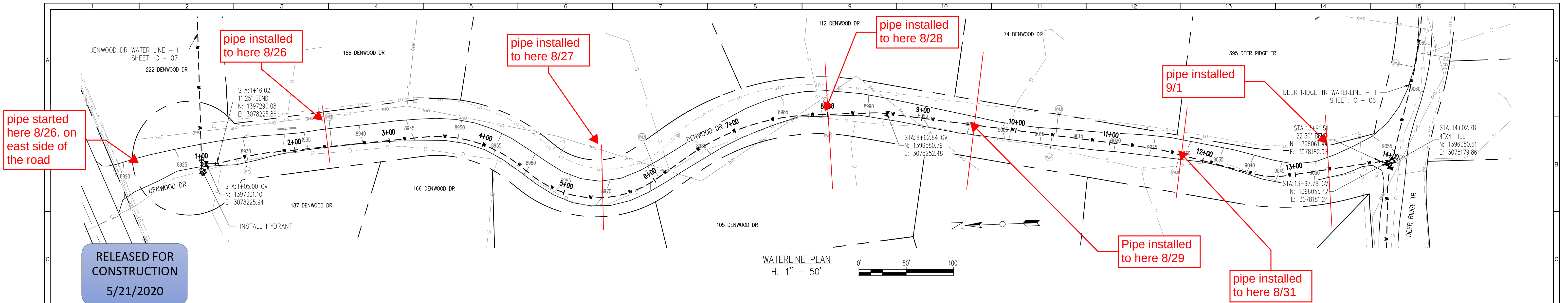
PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
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JENWOOD DR WATER LINE - II
STA 11+00 TO END

SCALE H: 1" = 50' V: 1" = 10'
SHEET NUMBER: C - 08



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3252 WILLIAMS STREET
DENVER, CO 80205
(303) 477-5915

ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT

PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
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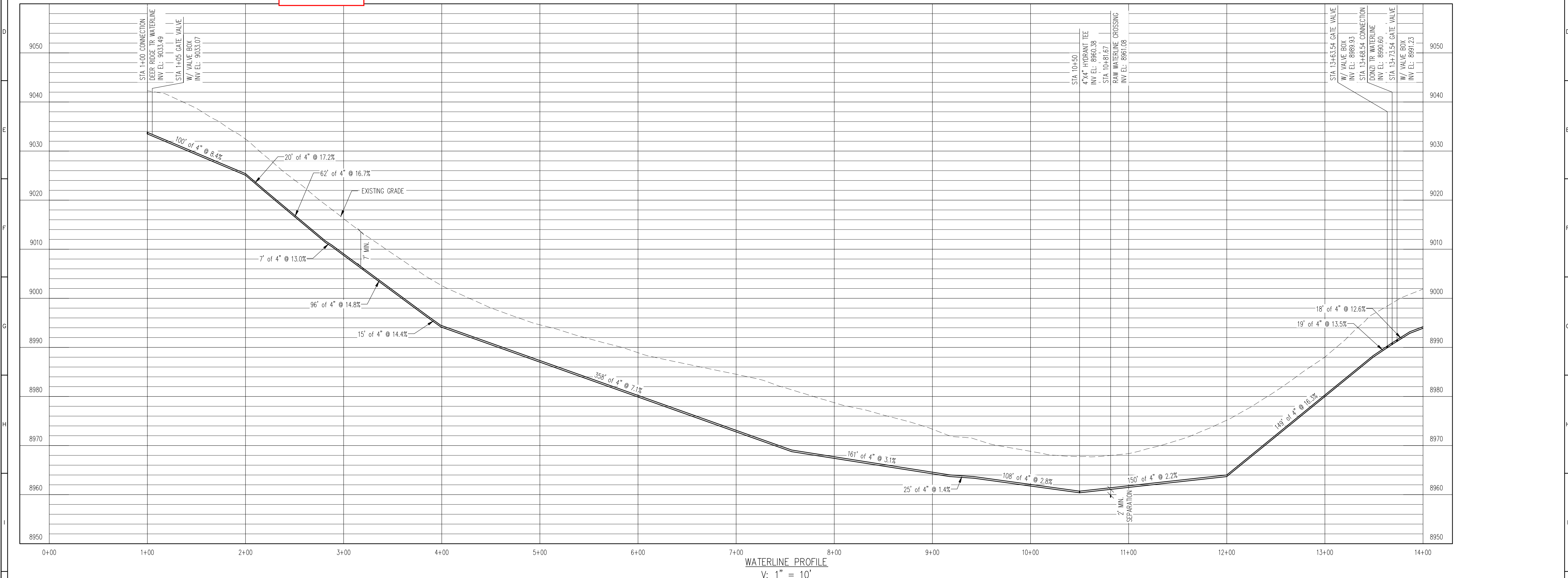
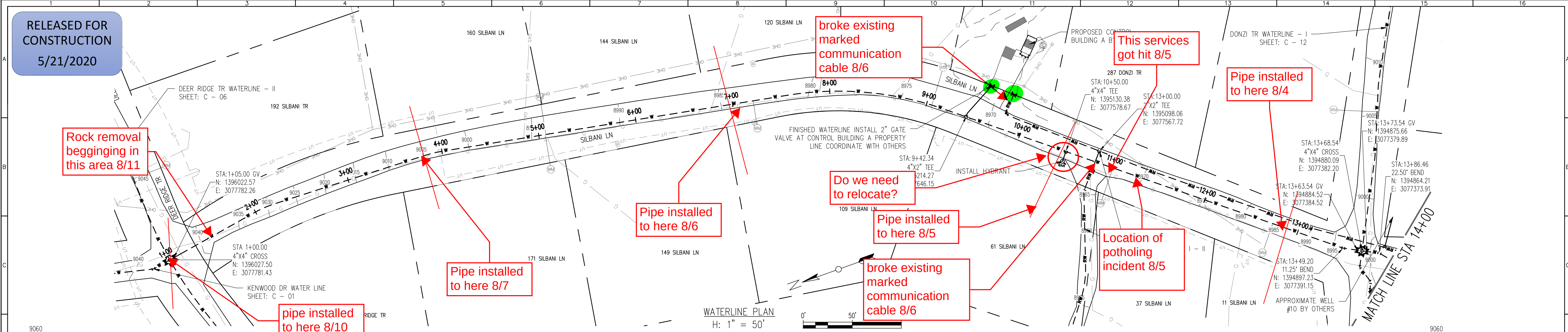
USE OF DOCUMENTS

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DENWOOD WATERLINE
STA 1+00 TO END

SCALE
H: 1" = 50'
V: 1" = 10'

SHEET NUMBER:
C - 09



REV. No.	DATE	BY	REVISION DESCRIPTION



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DENVER, CO 80205
(303) 477-5915

ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



3/11/20

PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELLE, P.E.
CHECKED BY: ADAM SOMMERS, P.E.
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DRAWING SIZE: 22" X 34"

0 1" IF THIS BAR DOES NOT READ 1" DRAWING IS NOT LABELED TO SCALE

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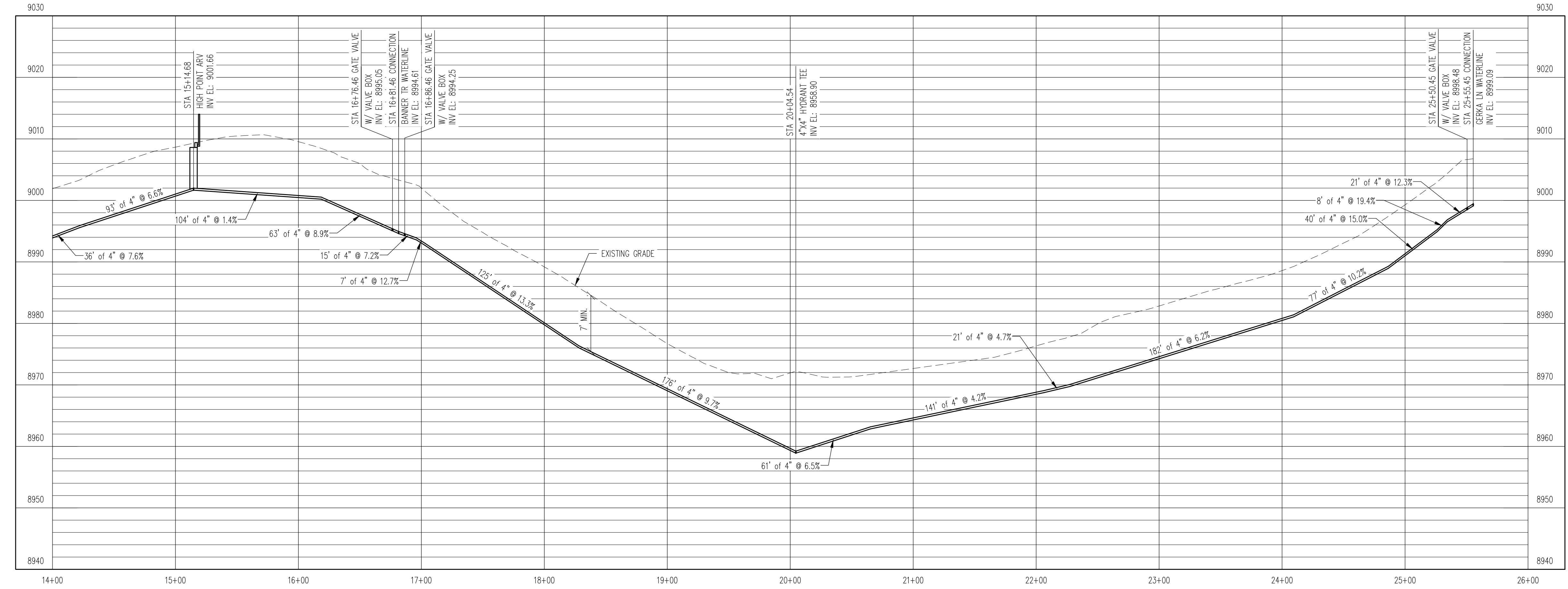
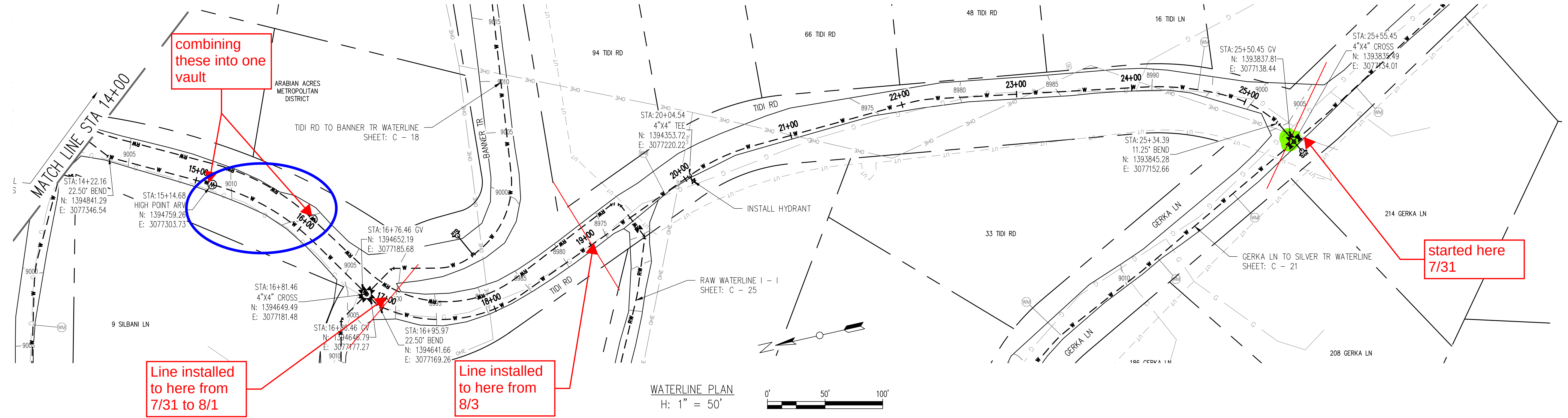
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SILBANI WATERLINE - I
STA 1+00 TO STA 14+00

SCALE
H: 1" = 50'
V: 1" = 10'

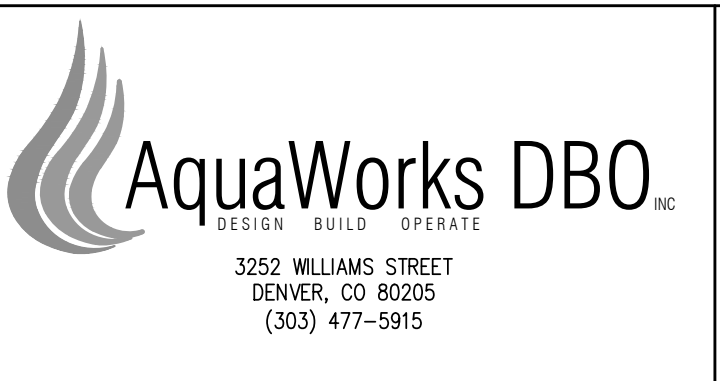
SHEET NUMBER:
C - 10

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5/21/2020



WATERLINE PROFILE
H: 1" = 10'

REV. No:	DATE:	BY:	REVISION DESCRIPTION:



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT

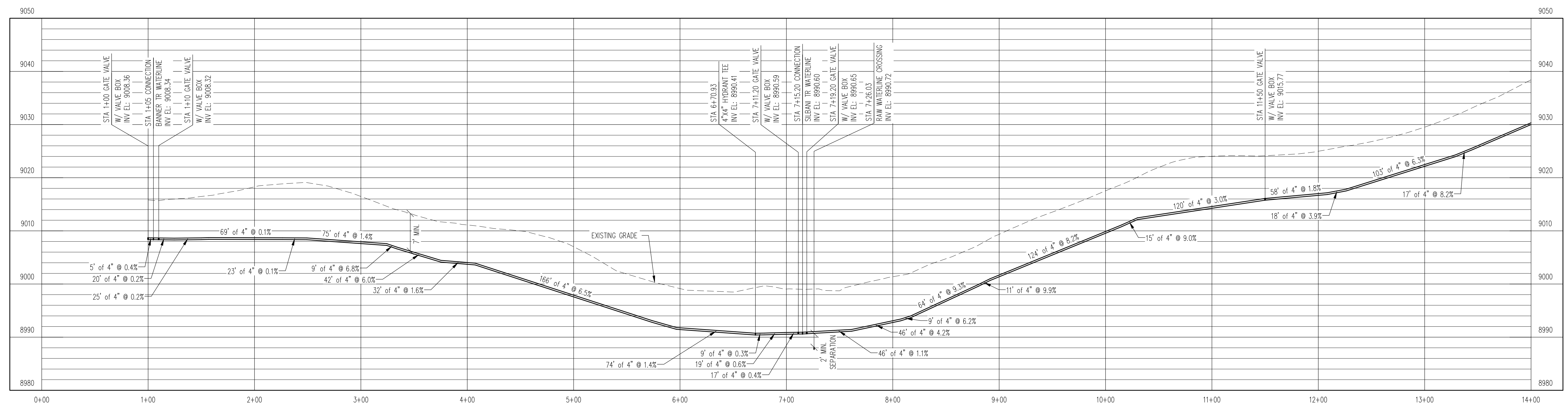
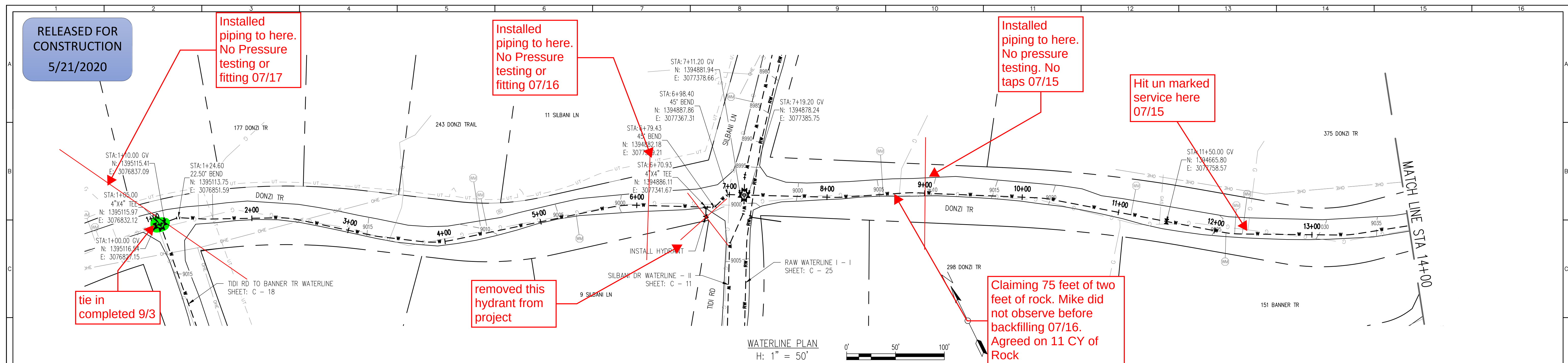


PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELLE, P.E.
CHECKED BY: ADAM SOMMERS, P.E.
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DRAWING SIZE: 22" X 34"

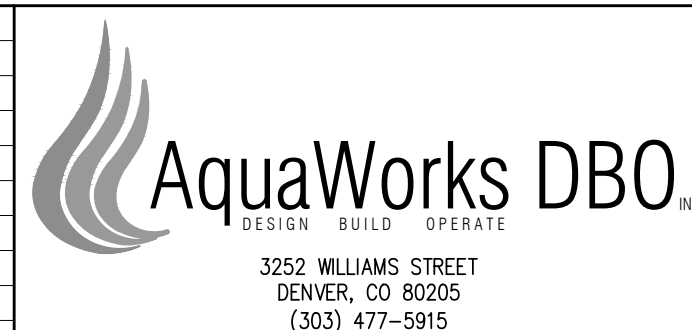
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SILBANI DR WATERLINE - II
STA 14+00 TO STA END

SCALE
H: 1" = 50'
V: 1" = 10'
SHEET NUMBER:
C - 11



WATERLINE PROFILE
V: 1" = 10'

[illegible]

ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELE, P.E.
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DRAWING SIZE: 22" X 34"

0 1 IF THIS BAR DOES NOT READ 1"
DRAWING IS NOT LABELED TO SCALE

USE OF DOCUMENTS

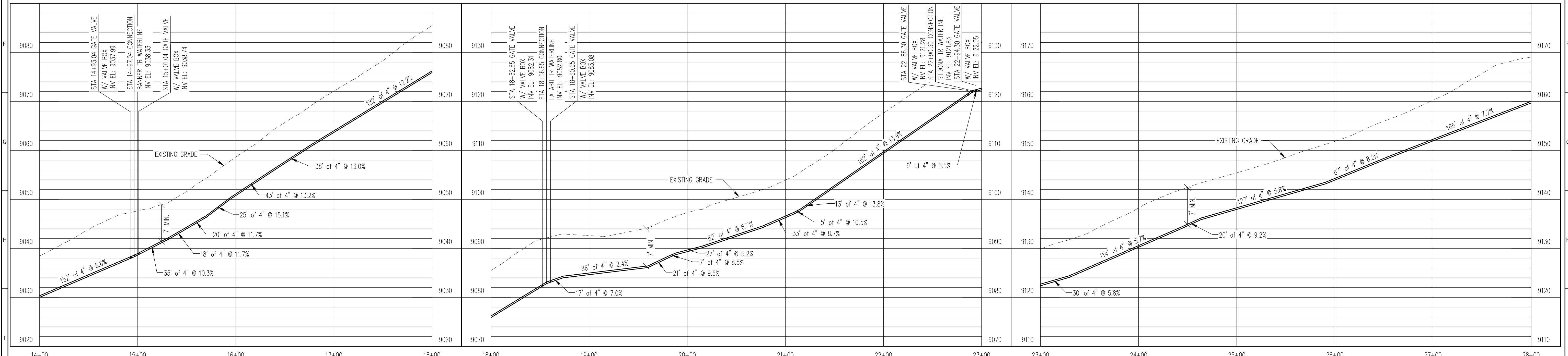
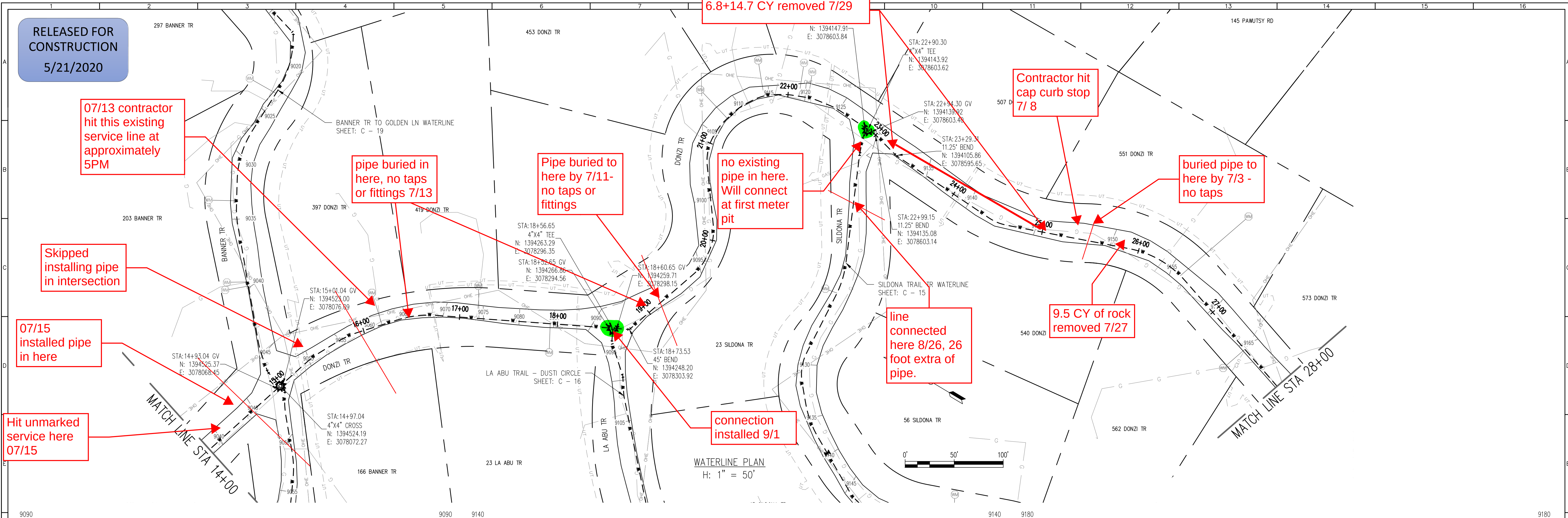
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AUTHORIZATION OF AQUAWORKS DBO, INC.

DONZI TR WATERLINE - I
STA 1+00 TO STA 14+00

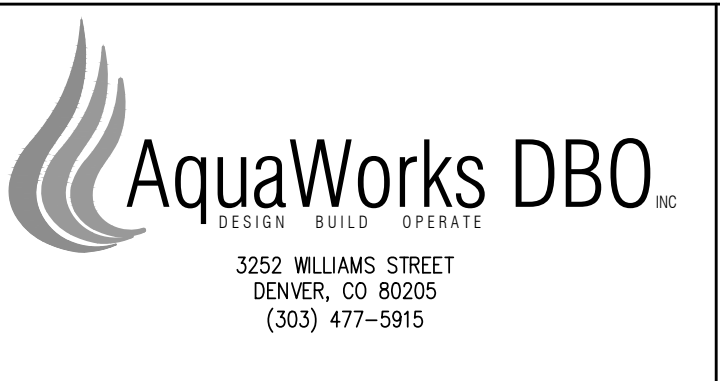
H: 1" = 50'

SHEET NUMBER:

C - 12



REV. No.	DATE	BY	REVISION DESCRIPTION



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELLE, P.E.
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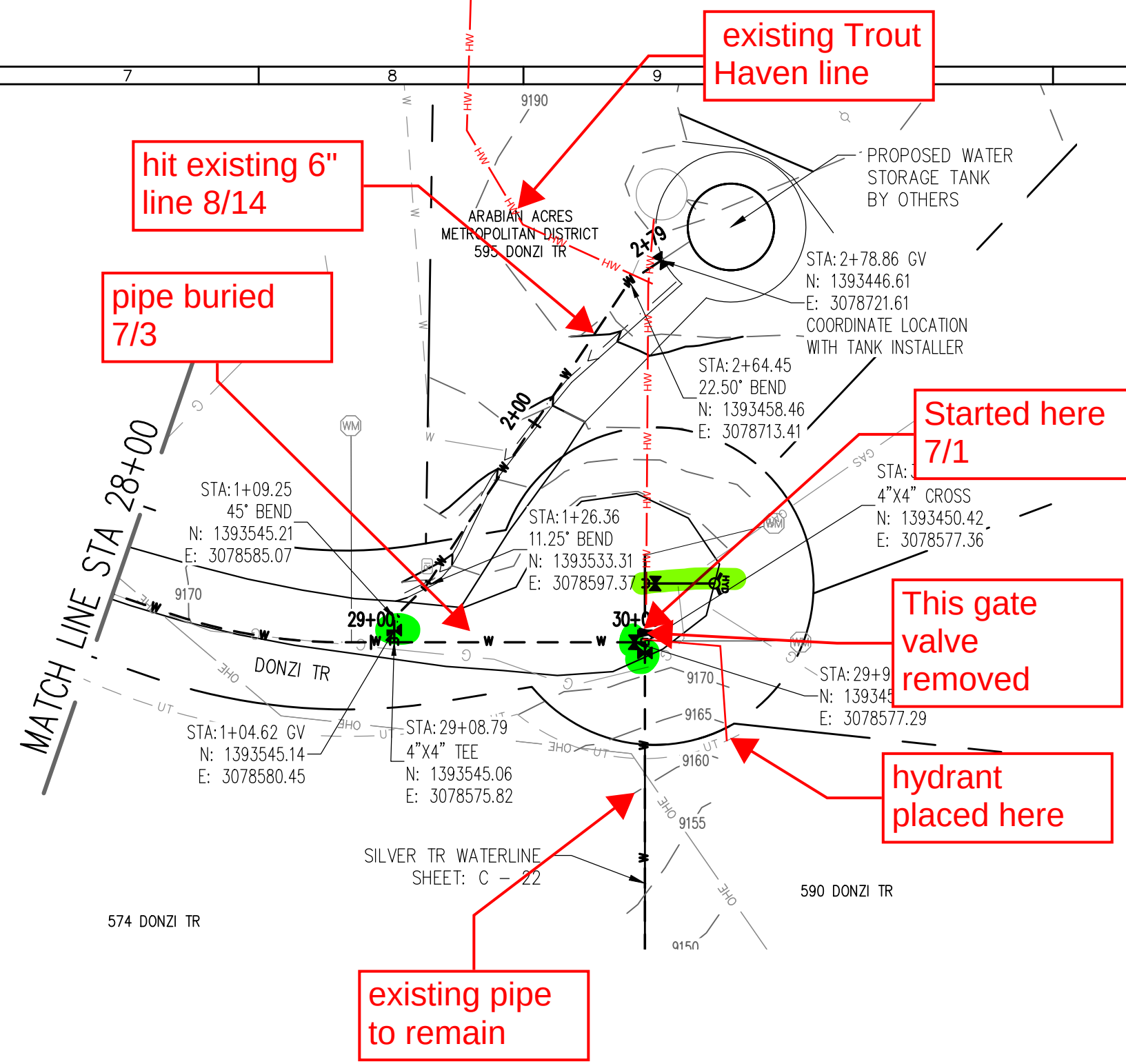
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DONZI TR WATERLINE - II
STA 14+00 TO STA 29+00

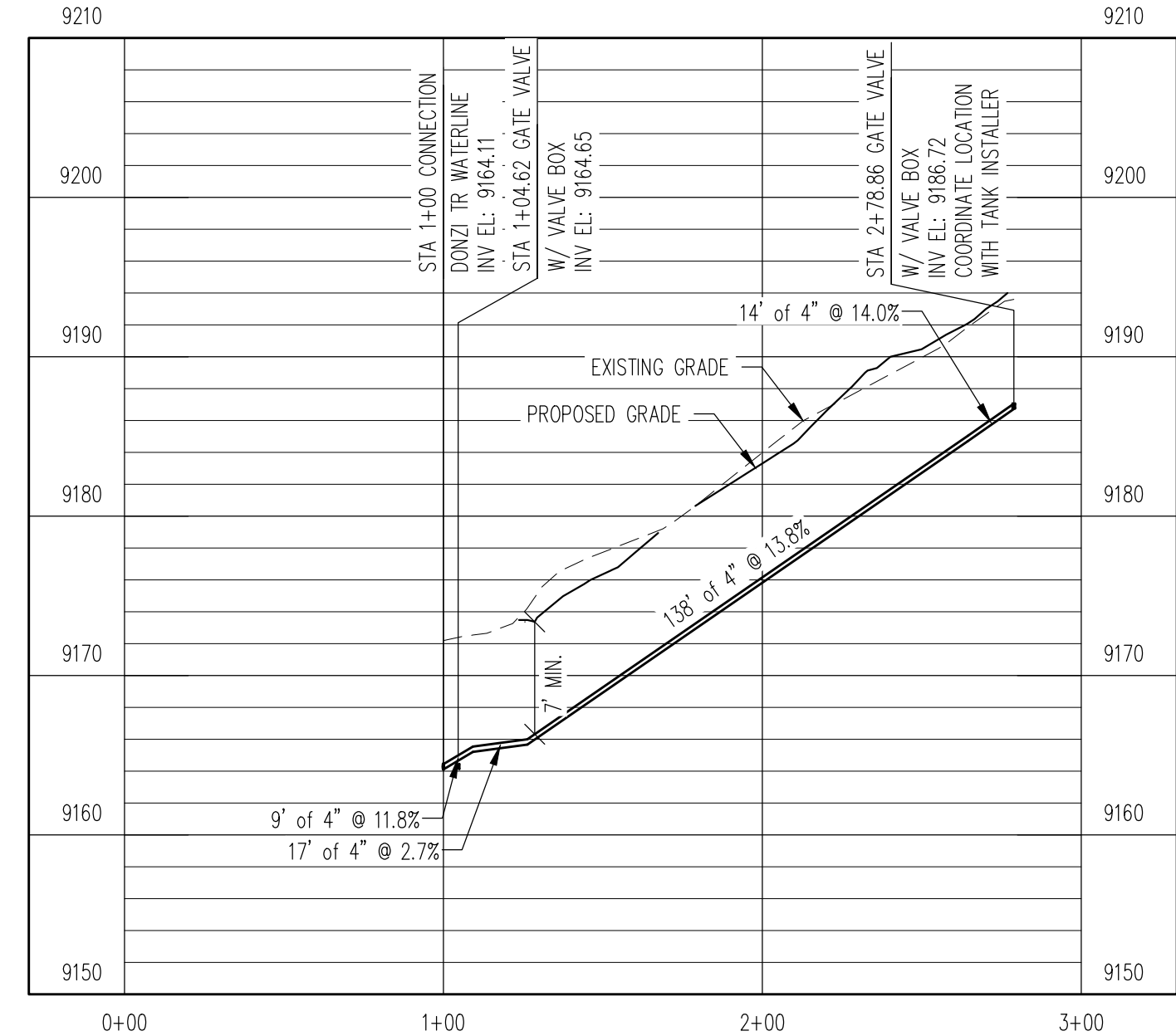
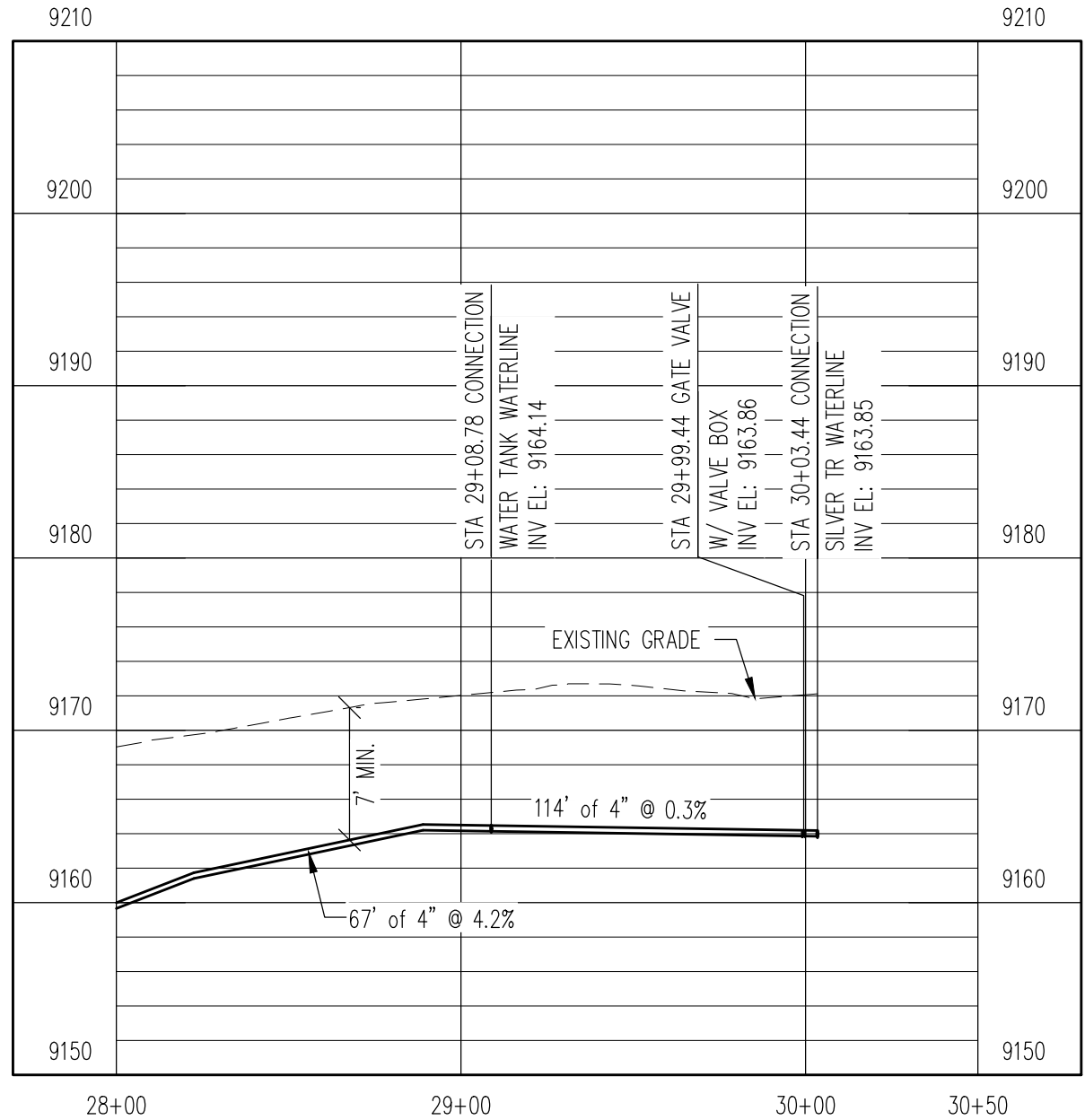
SCALE
H: 1" = 50'
V: 1" = 10'

SHEET NUMBER:
C - 13

RELEASED FOR
CONSTRUCTION
5/21/2020



WATERLINE PLAN
H: 1" = 50'



WATERLINE PROFILE
V: 1" = 10'

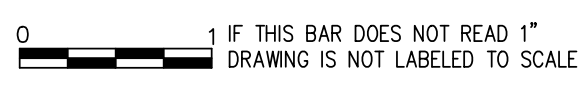
REV. No:	DATE:	BY:	REVISION DESCRIPTION:



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELLE, P.E.
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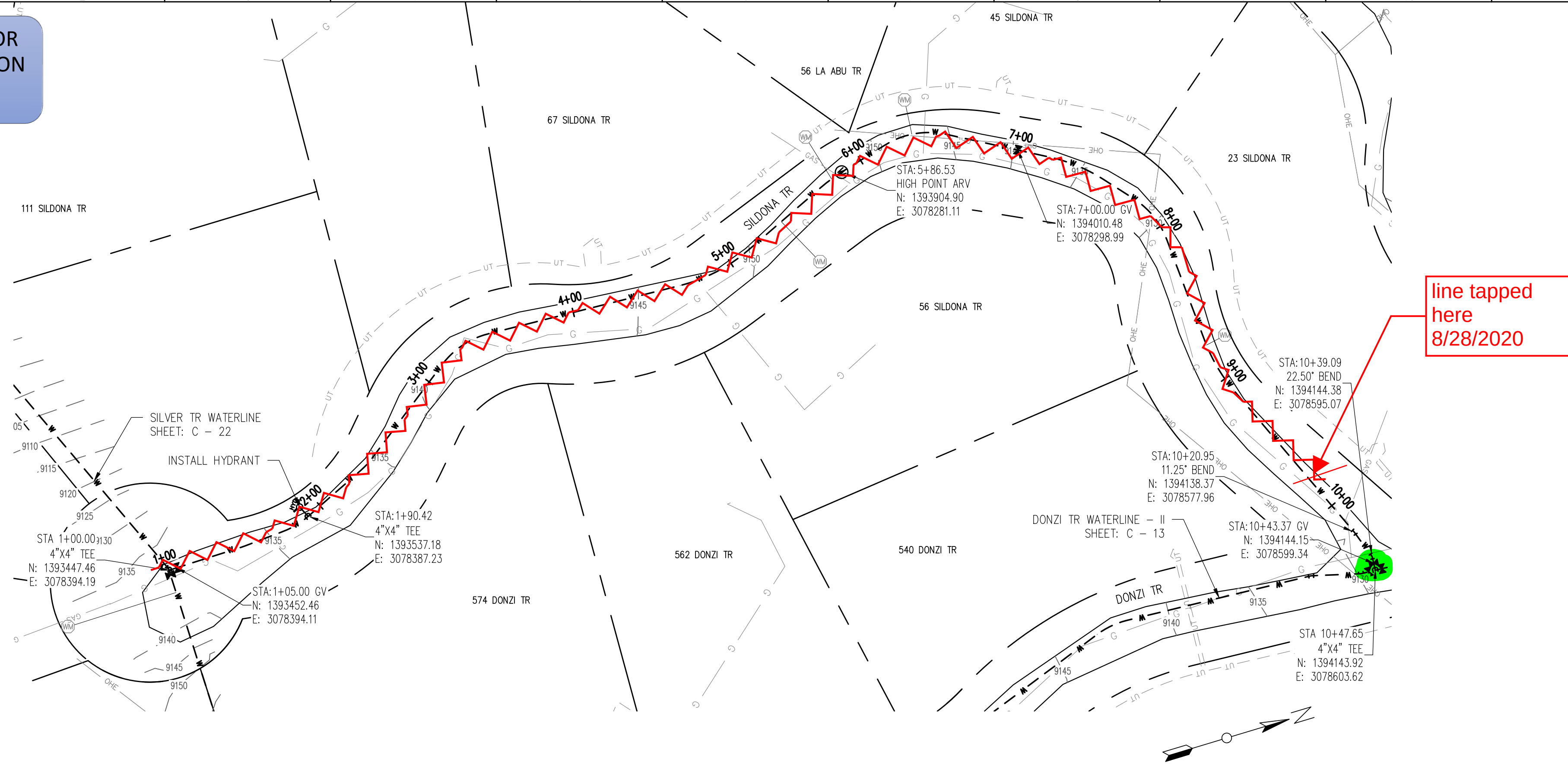
USE OF DOCUMENTS
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DONZI TR WATERLINE – III
STA 29+00 TO END
TANK DRAIN AND FILL WATERLINE
STA 1+00 TO END

SCALE H: 1" = 50' V: 1" = 10'
SHEET NUMBER: C – 14

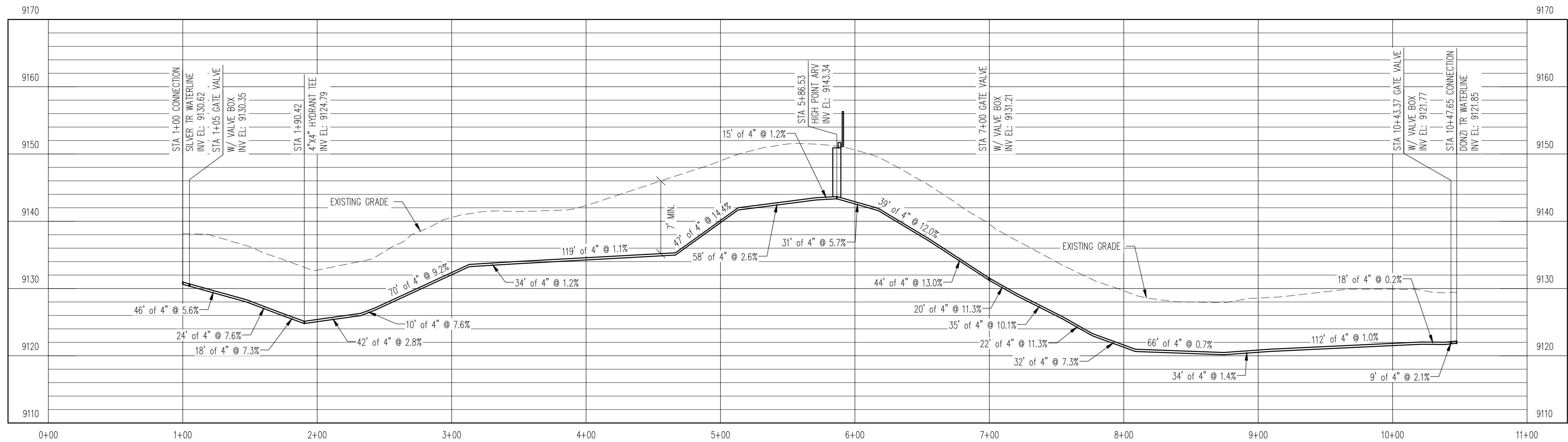
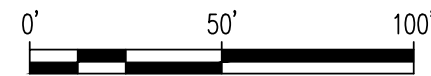
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CONSTRUCTION

5/21/2020



WATERLINE PLAN

H: 1" = 50'



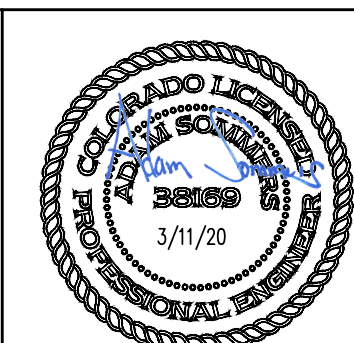
WATERLINE PROFILE

V: 1" = 10'

REV. No.	DATE	BY	REVISION DESCRIPTION



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELLE, P.E.
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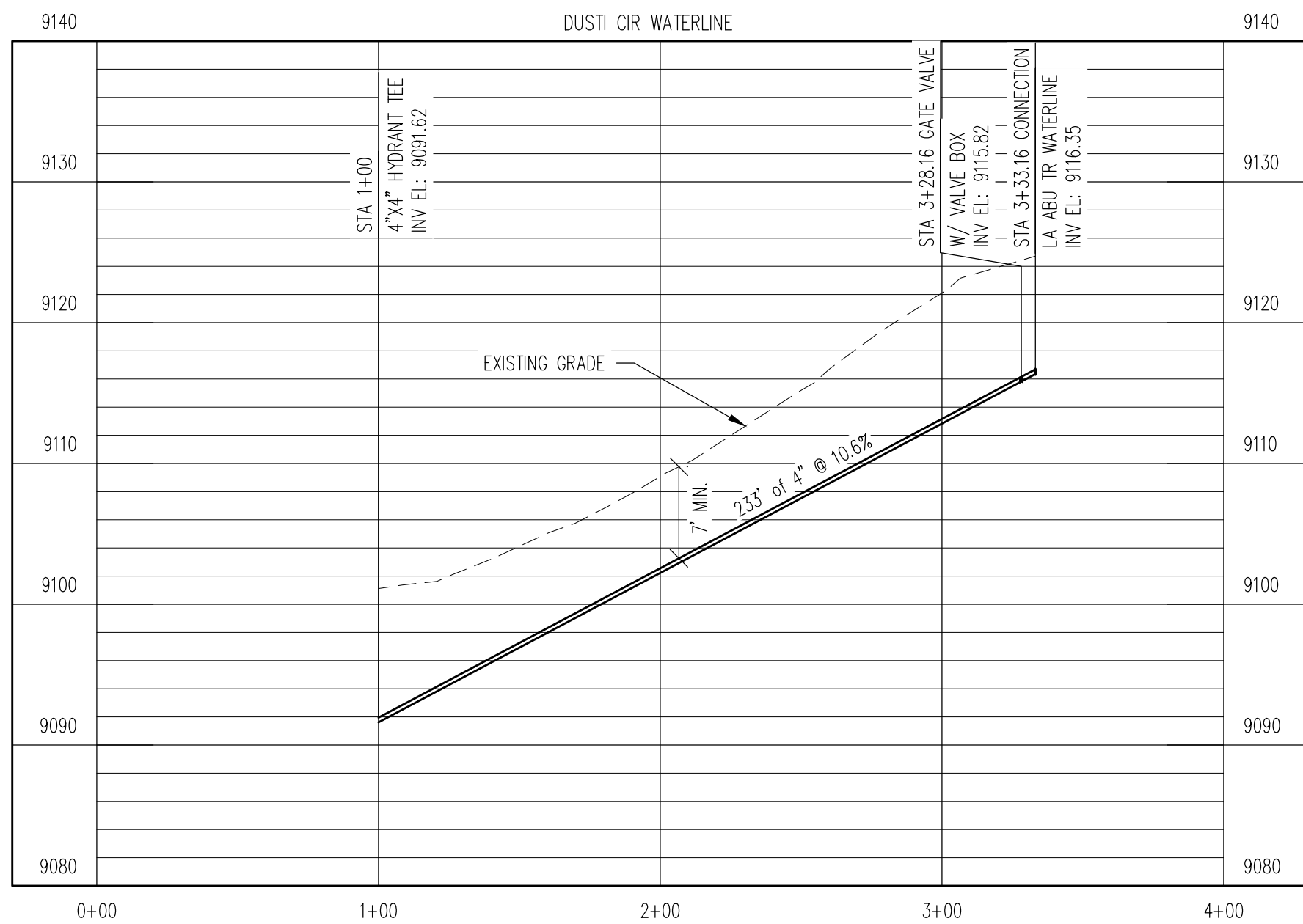
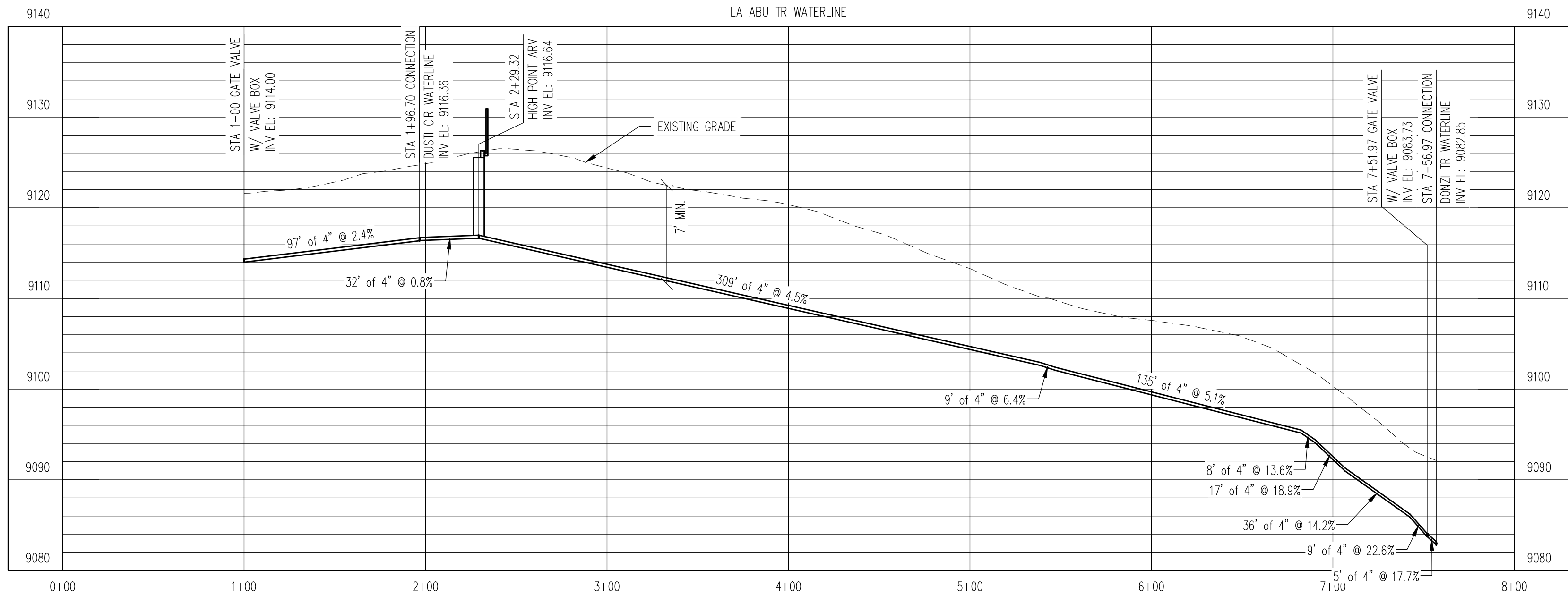
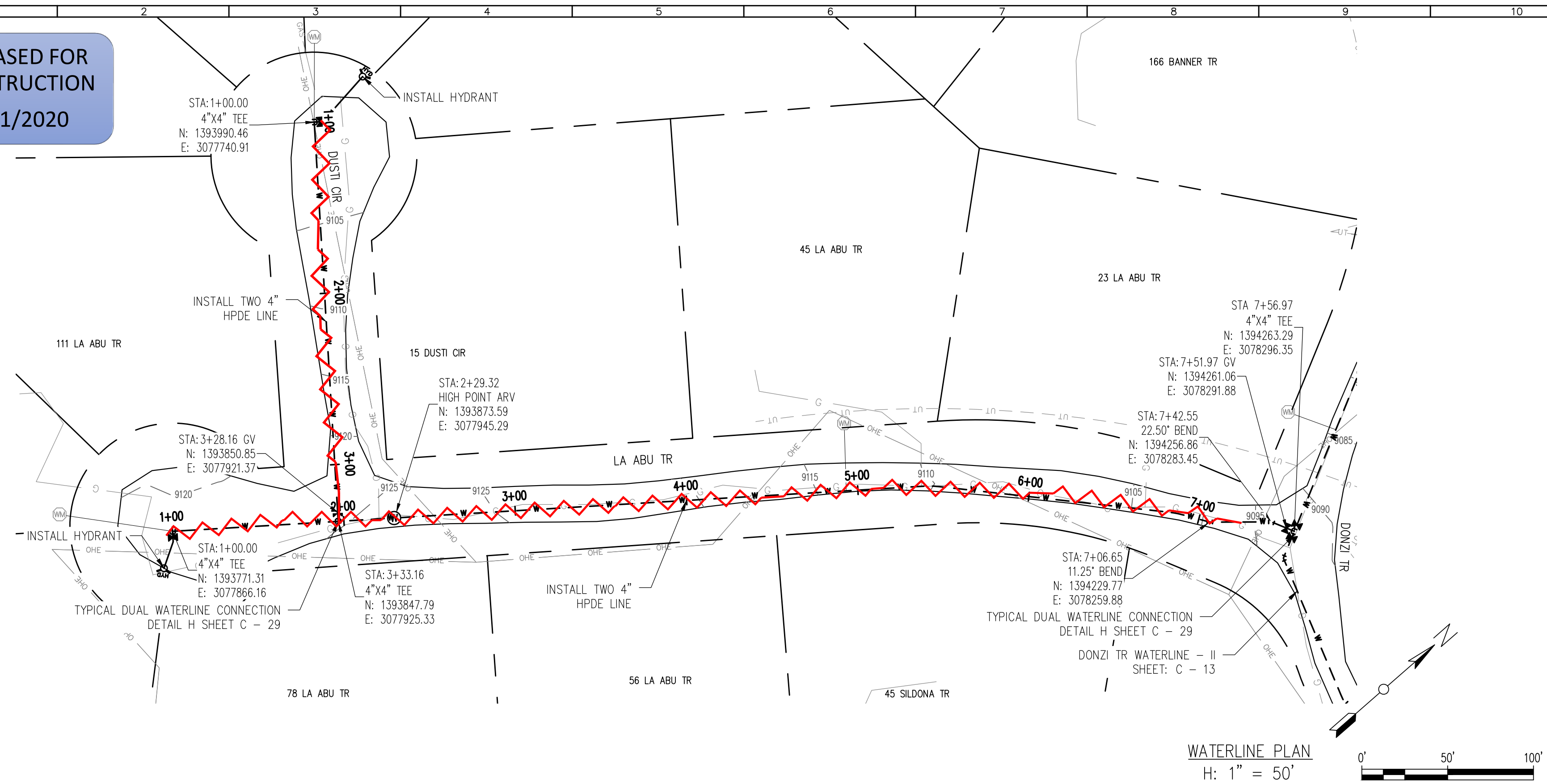
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SILDONA TR WATERLINE
STA 1+00 TO END

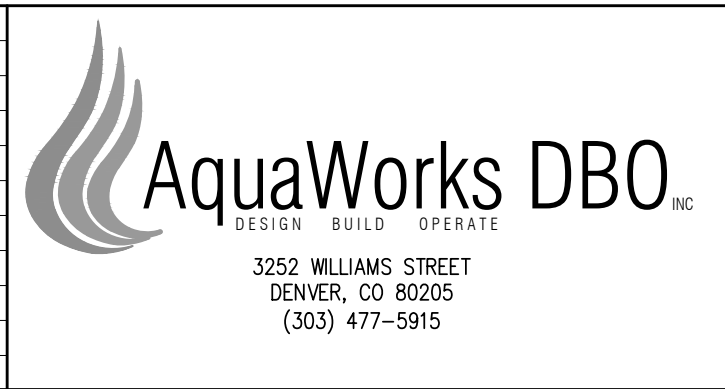
SCALE
H: 1" = 50'
V: 1" = 10'

SHEET NUMBER:
C - 15

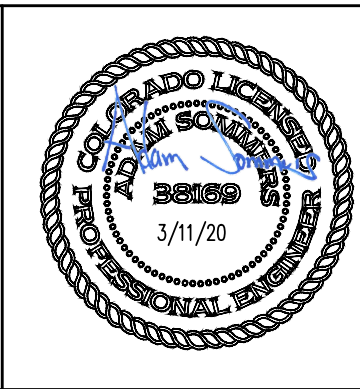
RELEASED FOR CONSTRUCTION
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ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT

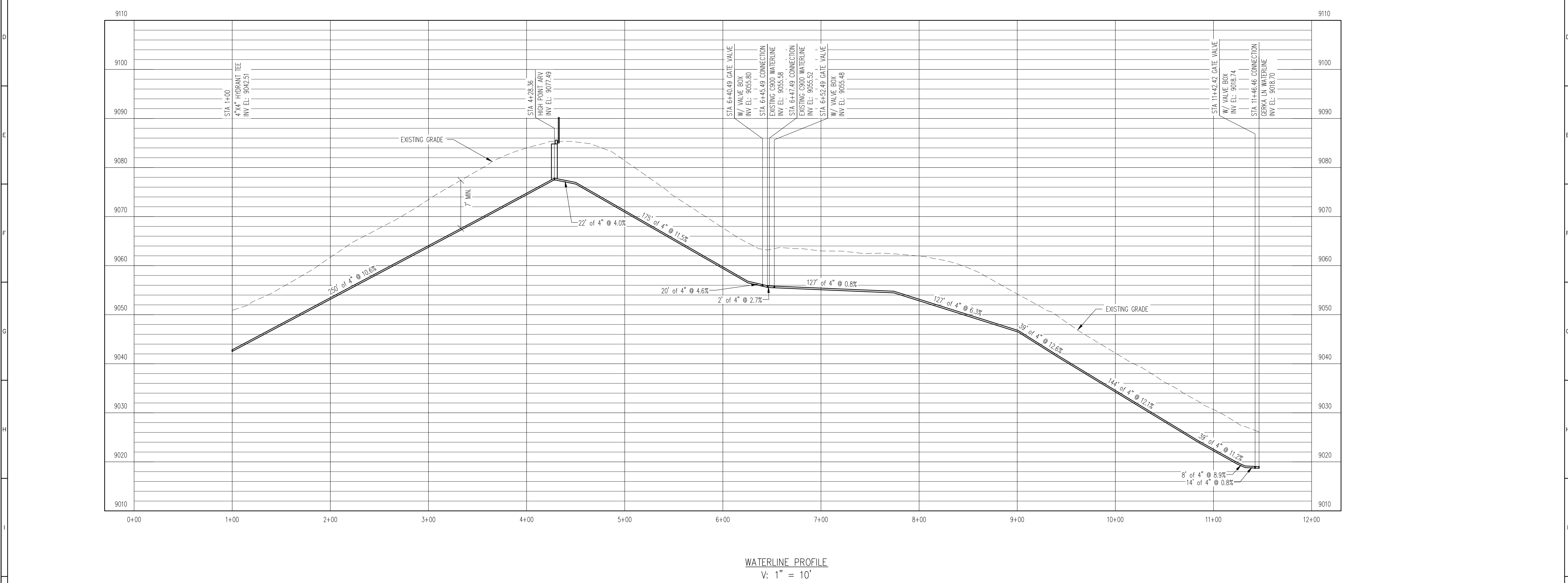
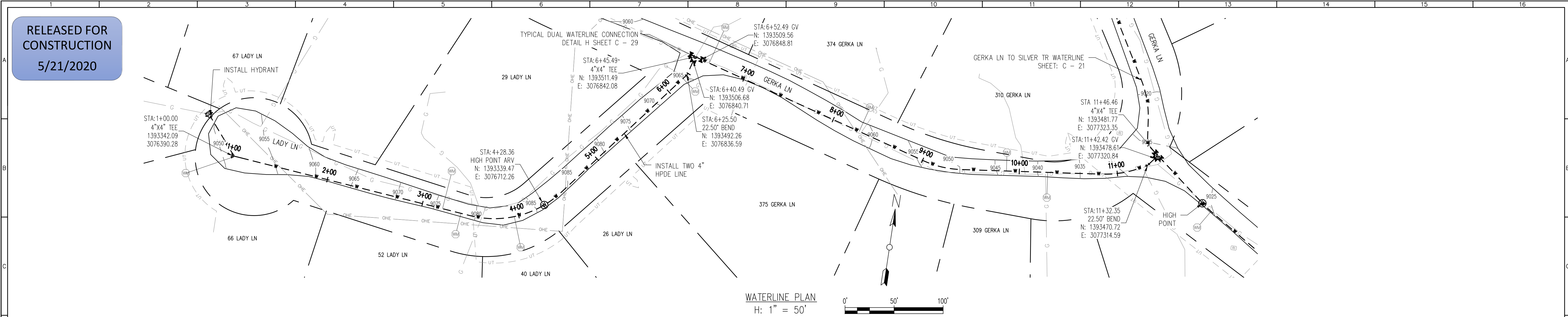


PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSSELLE, P.E.
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LA ABU TR WATERLINE
STA 1+00 TO END
DUSTI CIR WATERLINE
STA 1+00 TO END

SCALE
H: 1" = 50'
V: 1" = 10'
SHEET NUMBER:
C - 16



REV. No.	DATE	BY	REVISION DESCRIPTION

DESIGN BUILD OPERATE

3252 WILLIAMS STREET
DENVER, CO 80205
(303) 477-5915

ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT

PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELLE, P.E.
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LADY LN TO GERKA LN WATERLINE
STA 1+00 TO END

SCALE
H: 1" = 50'
V: 1" = 10'

SHEET NUMBER:
C - 17

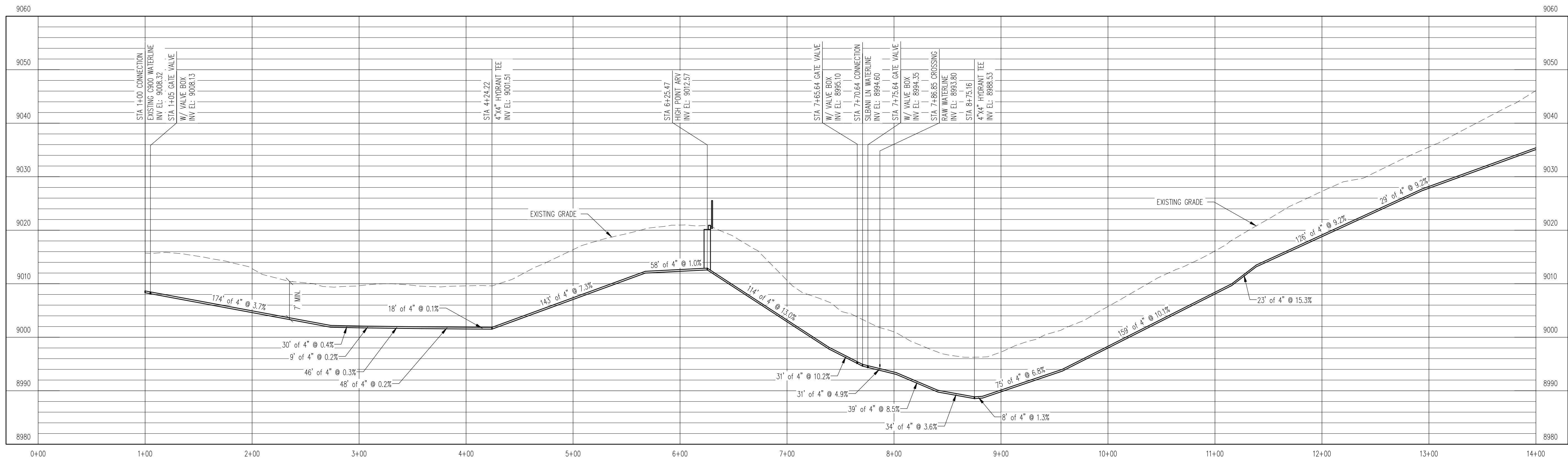
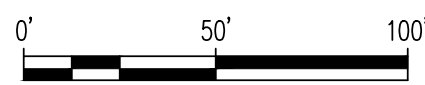
RELEASED FOR
CONSTRUCTION
5/21/2020

Installed pipe
to here 07/18

installed pipe
to here 07/20

Hit and caped
existing 4"
waterline in
here 7/21

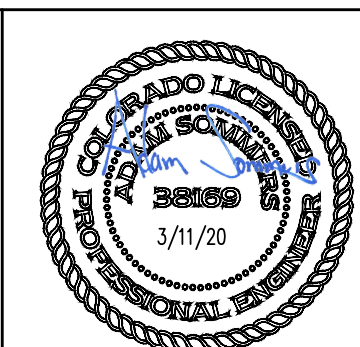
WATERLINE PLAN
H: 1" = 50'



REV. No:	DATE:	BY:	REVISION DESCRIPTION:



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



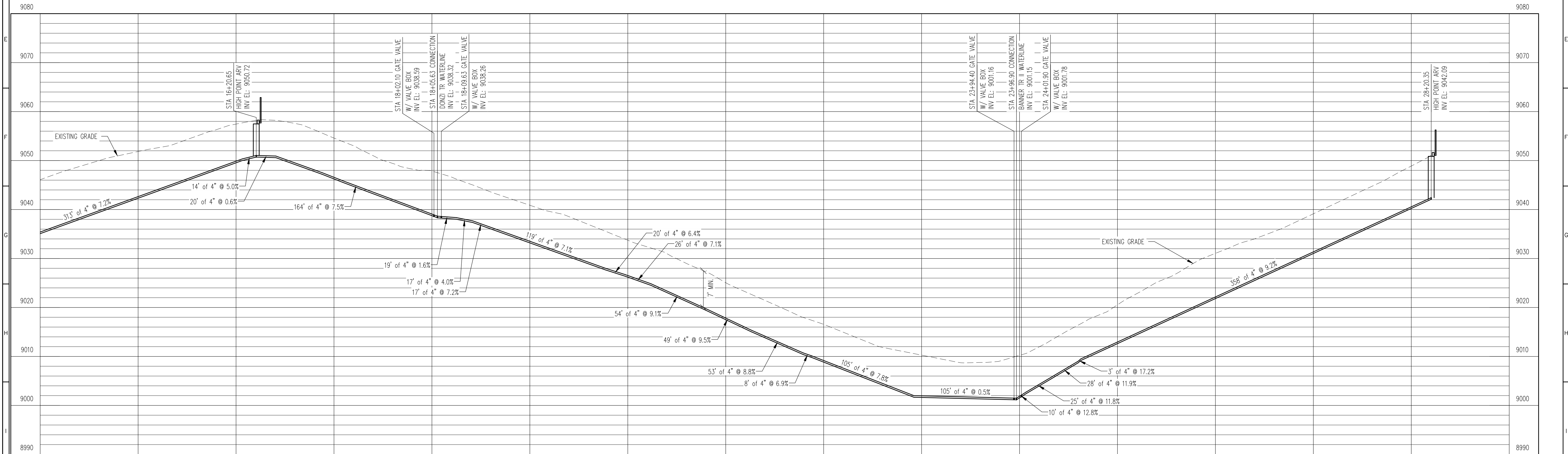
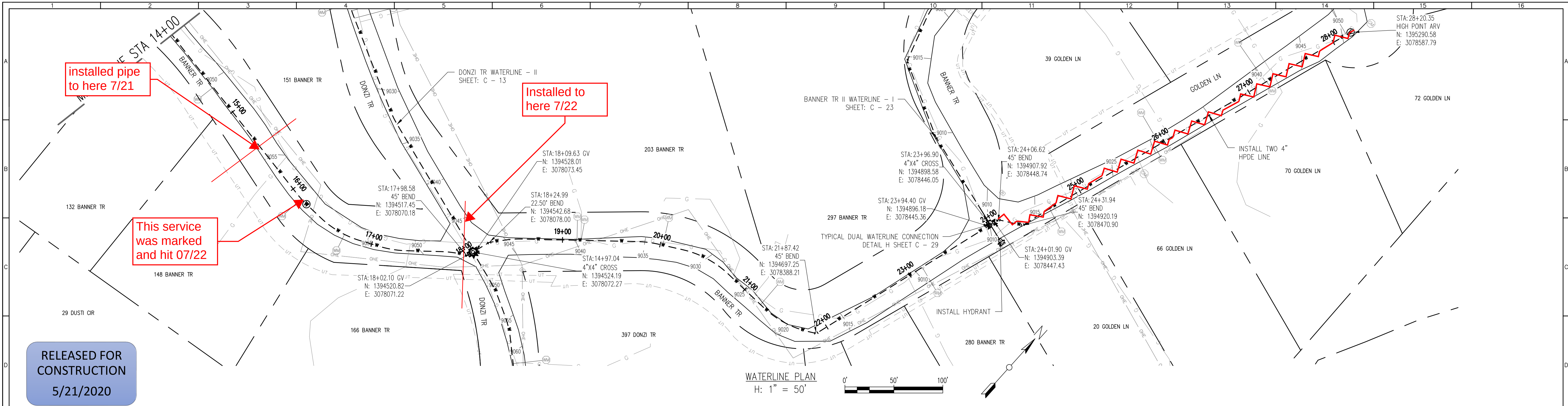
PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
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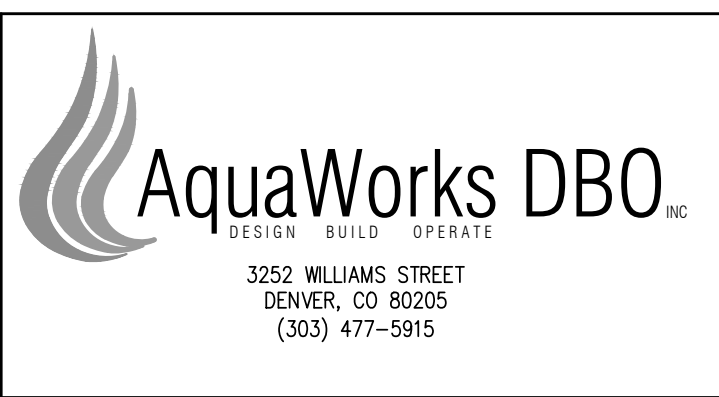
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TIDI RD TO BANNER TR WATERLINE
STA 1+00 TO STA 14+00

SCALE
H: 1" = 50'
V: 1" = 10'
SHEET NUMBER:
C - 18



REV. No:	DATE:	BY:	REVISION DESCRIPTION:



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1299
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELLE, P.E.
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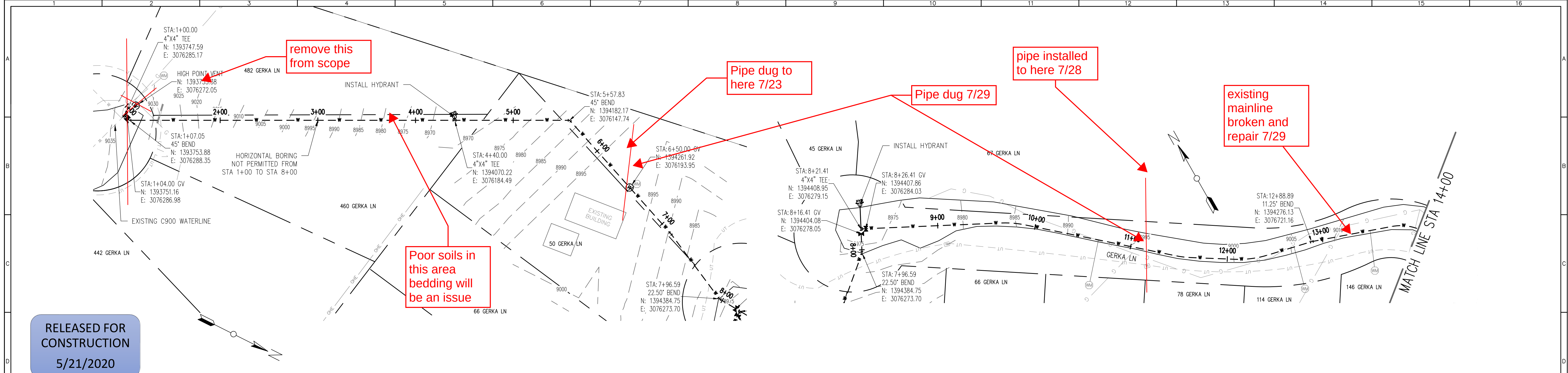
USE OF DOCUMENTS

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BANNER LN TR TO
GOLDEN LN WATERLINE
STA 14+00 TO END

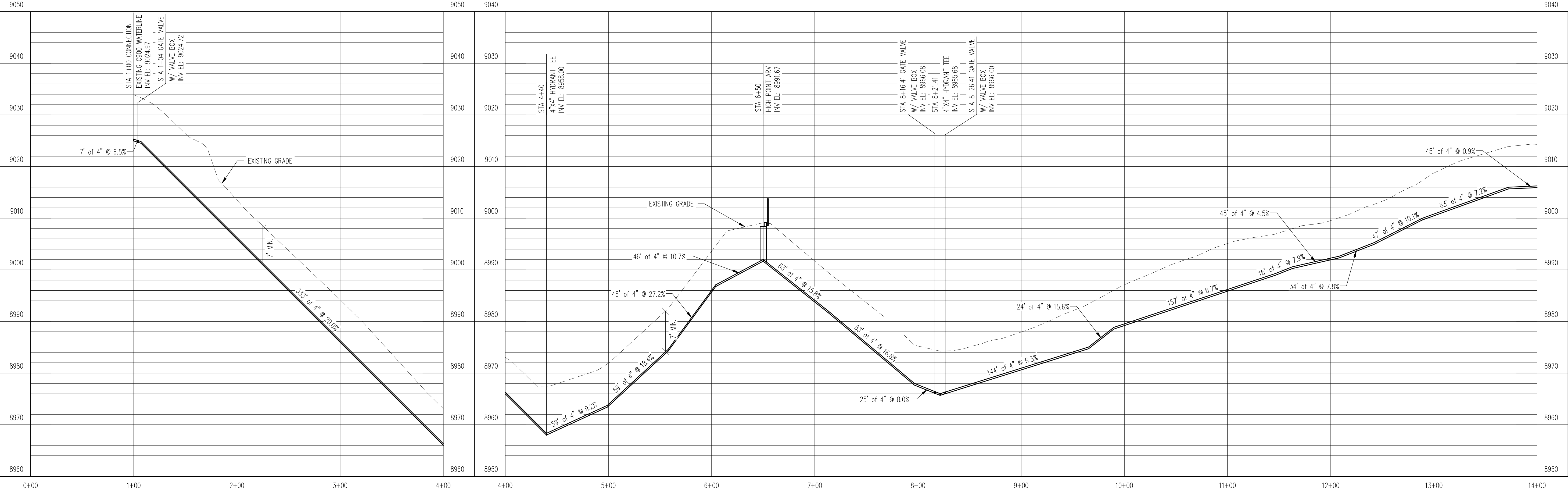
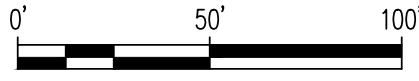
SCALE
H: 1" = 50'
V: 1" = 10'

SHEET NUMBER:
C - 19



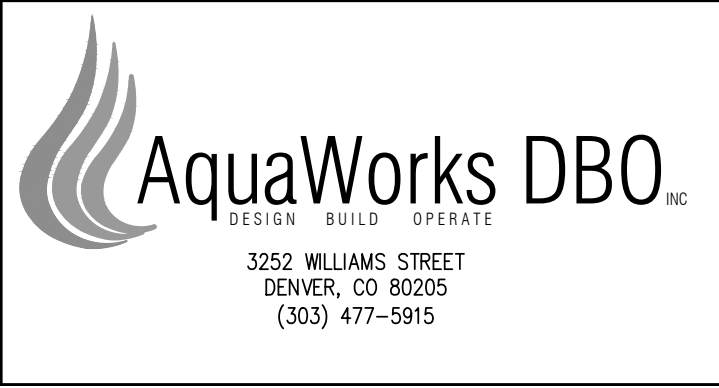
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CONSTRUCTION
5/21/2020

WATERLINE PLAN
H: 1" = 50'

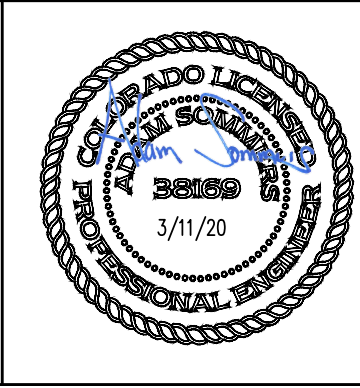


WATERLINE PROFILE
V: 1" = 10'

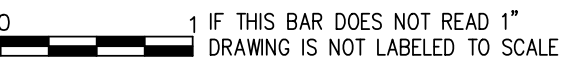
REV. No.	DATE	BY	REVISION DESCRIPTION



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



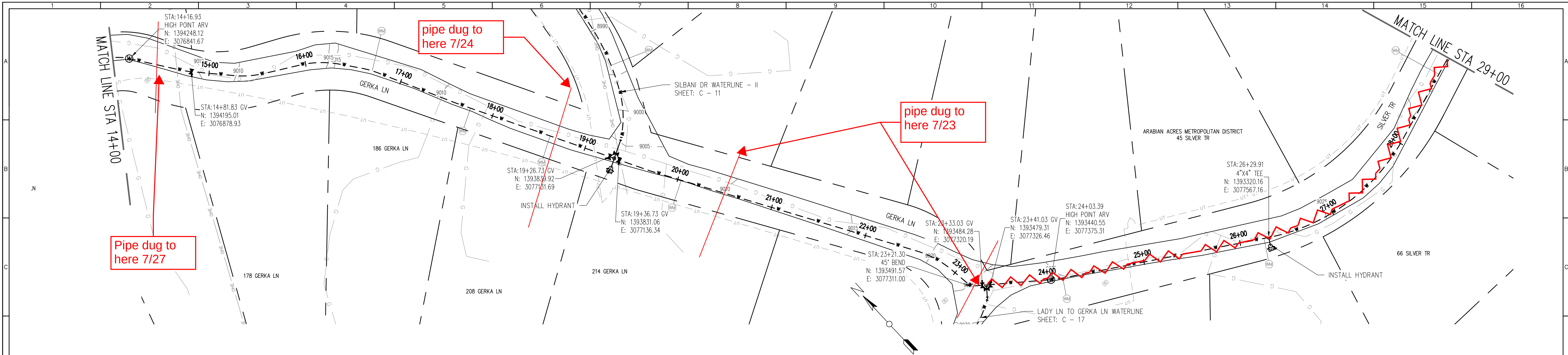
PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELLE, P.E.
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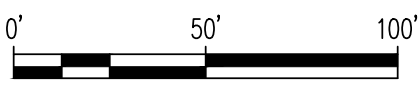
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GERKA LN WATERLINE
STA 1+00 TO STA 14+00

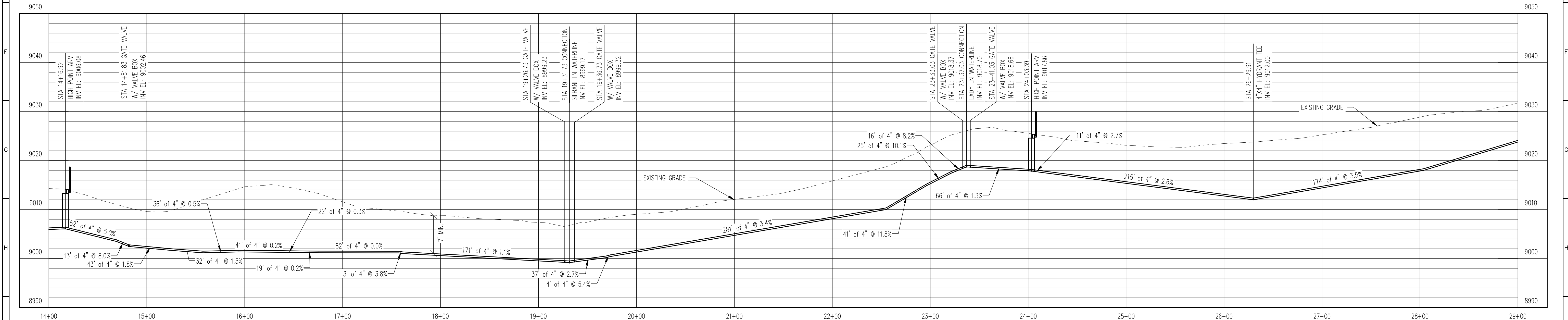
SCALE
H: 1" = 50'
V: 1" = 10'
SHEET NUMBER:
C - 20



WATERLINE PLAN
H: 1" = 50'

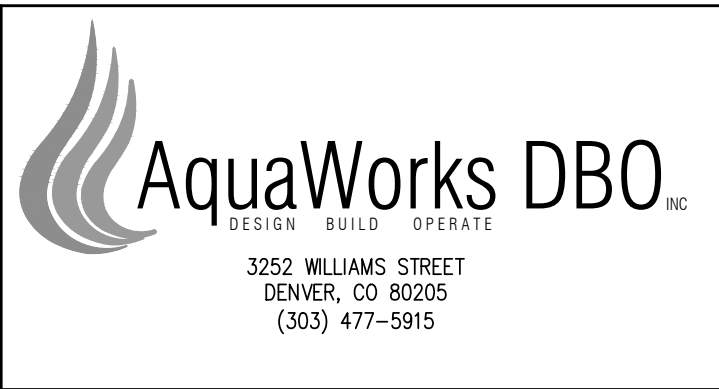


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5/21/2020



WATERLINE PROFILE
V: 1" = 10'

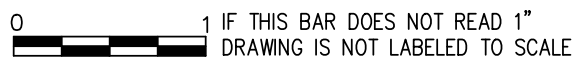
REV. No.	DATE	BY	REVISION DESCRIPTION



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSSELE, P.E.
CHECKED BY: ADAM SOMMERS, P.E.
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DRAWING SIZE: 22" X 34"

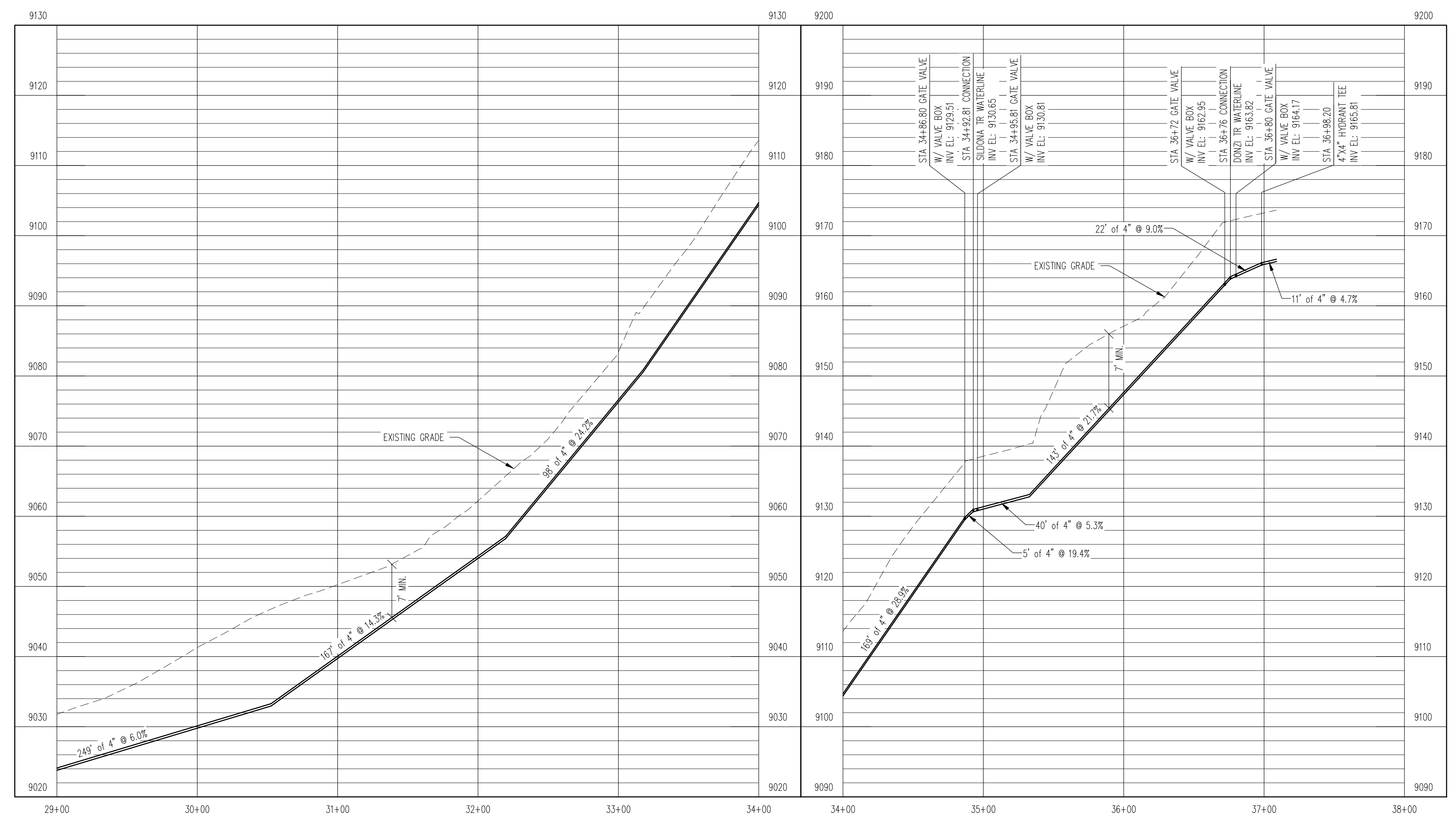
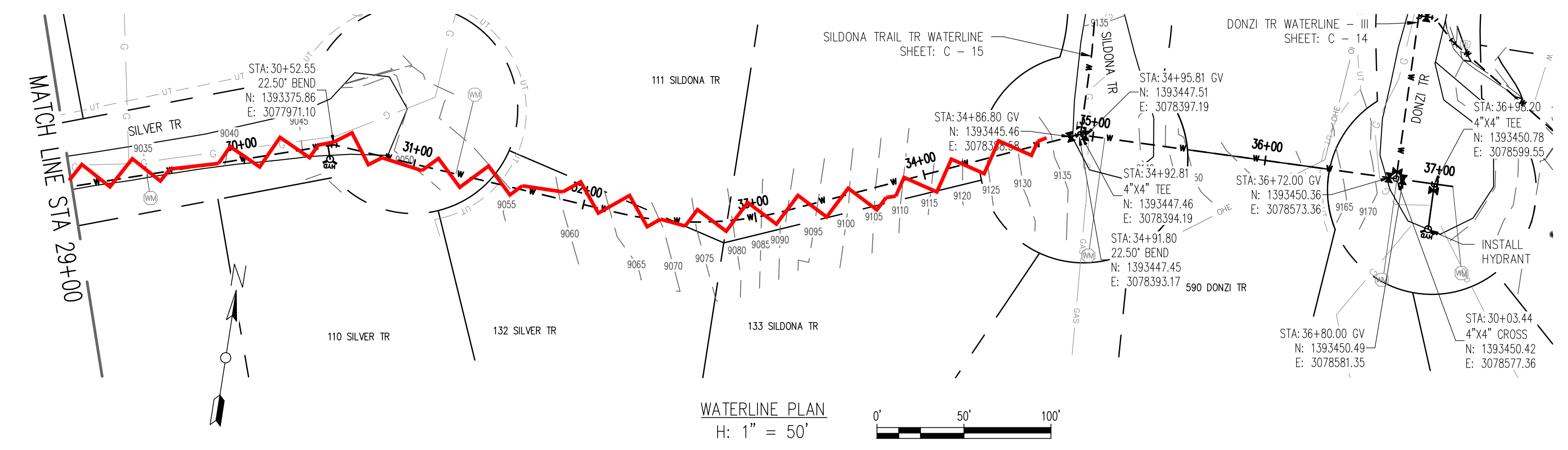


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GERKA LN TO
SILVER TR WATERLINE
STA 14+00 TO STA 29+00

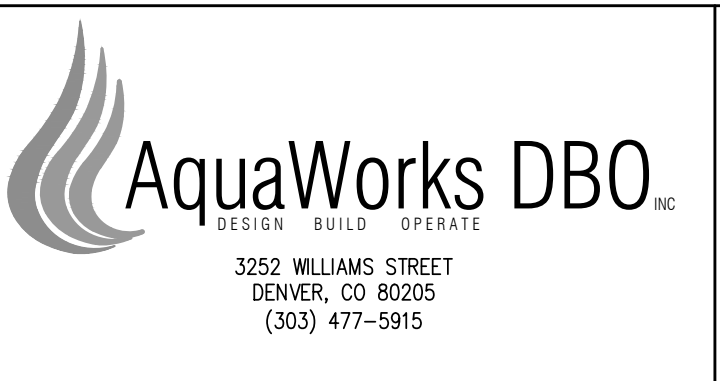
SCALE
H: 1" = 50'
V: 1" = 10'
SHEET NUMBER:
C - 21

RELEASED FOR
CONSTRUCTION
5/21/2020



WATERLINE PROFILE
V: 1" = 10'

REV. No:	DATE:	BY:	REVISION DESCRIPTION:



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



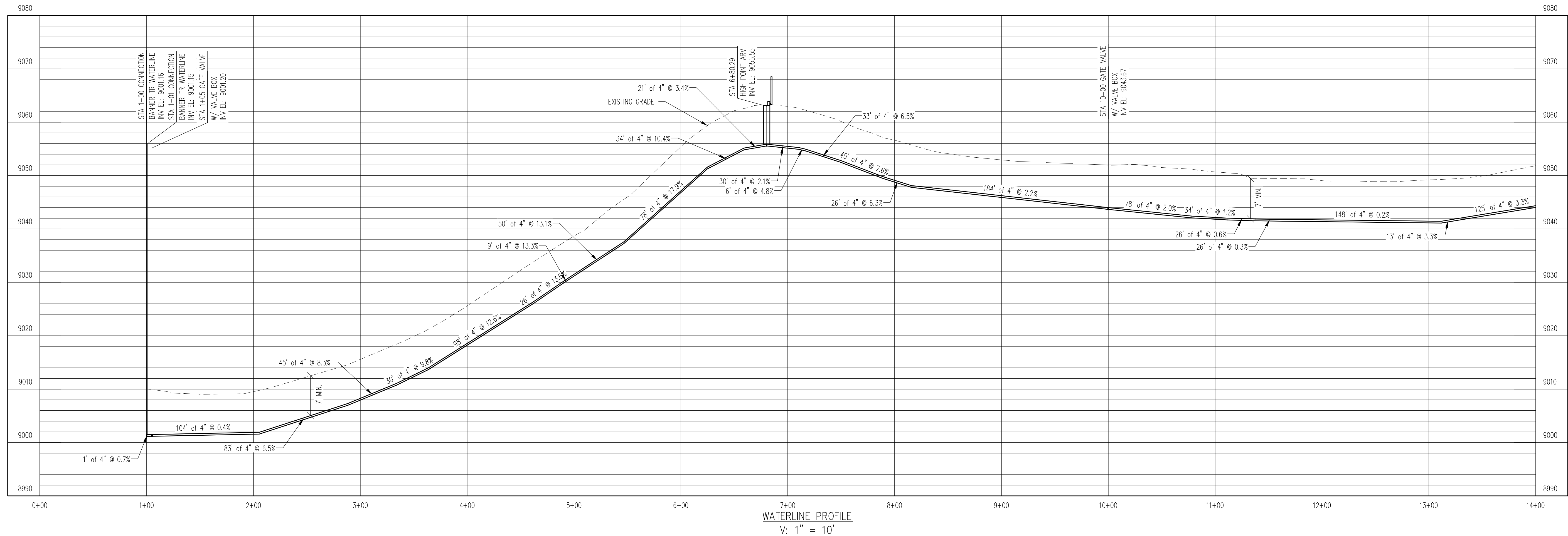
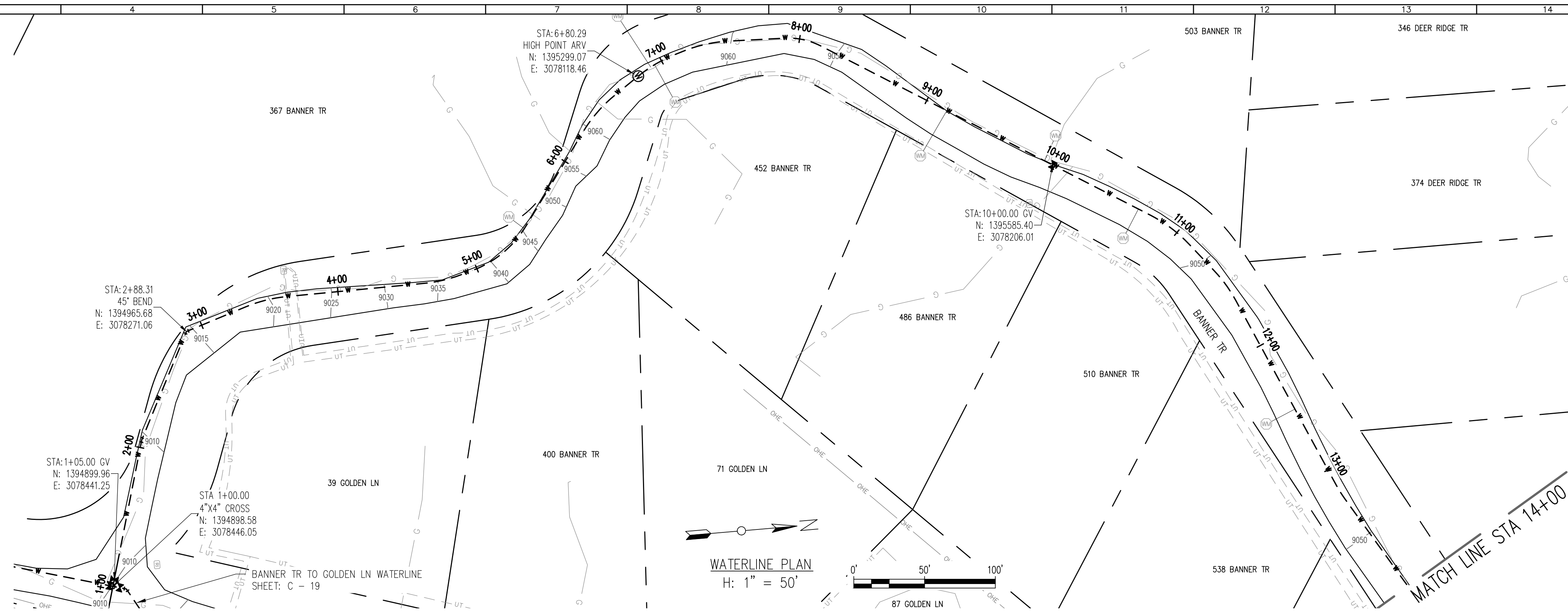
PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1289
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSELLE, P.E.
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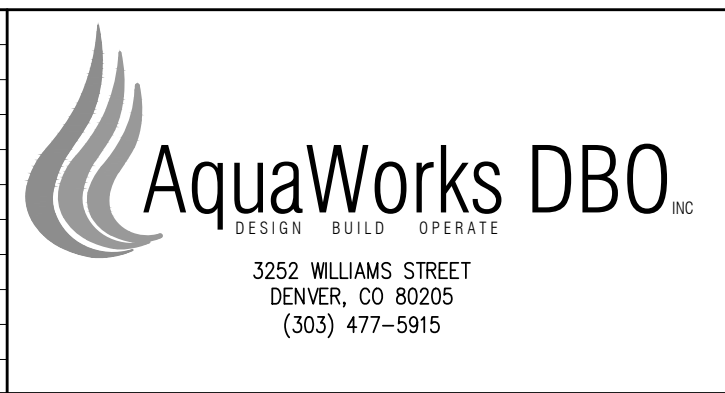
SILVER TR WATERLINE
STA 29+00 TO END

SCALE
H: 1" = 50'
V: 1" = 10'
SHEET NUMBER:
C - 22

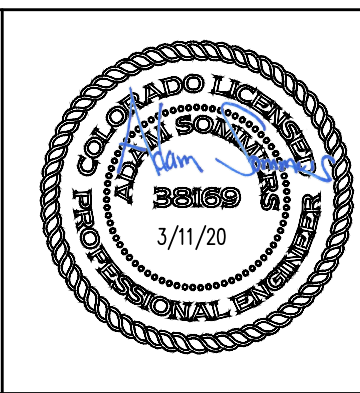
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CONSTRUCTION
5/21/2020



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ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



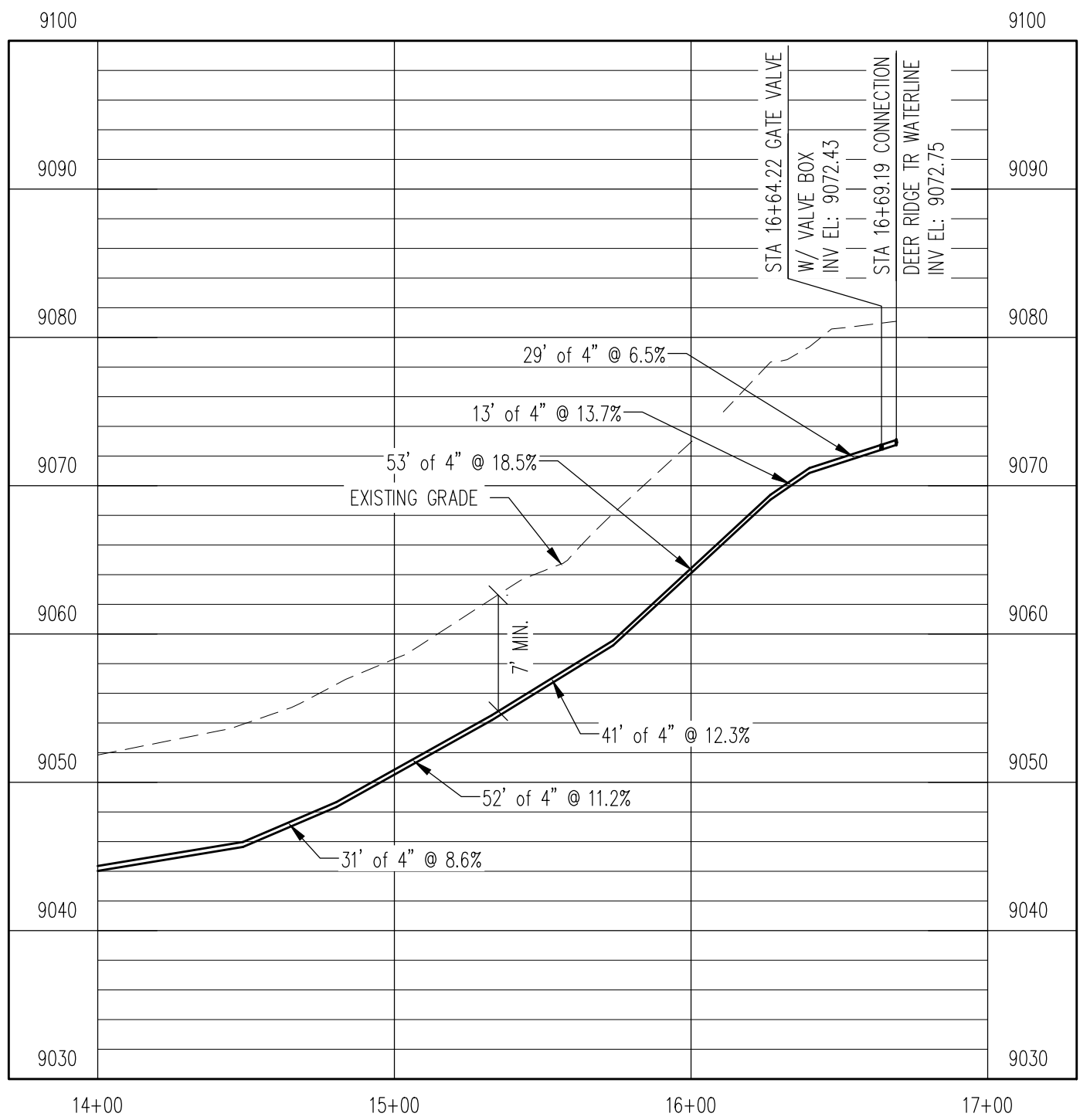
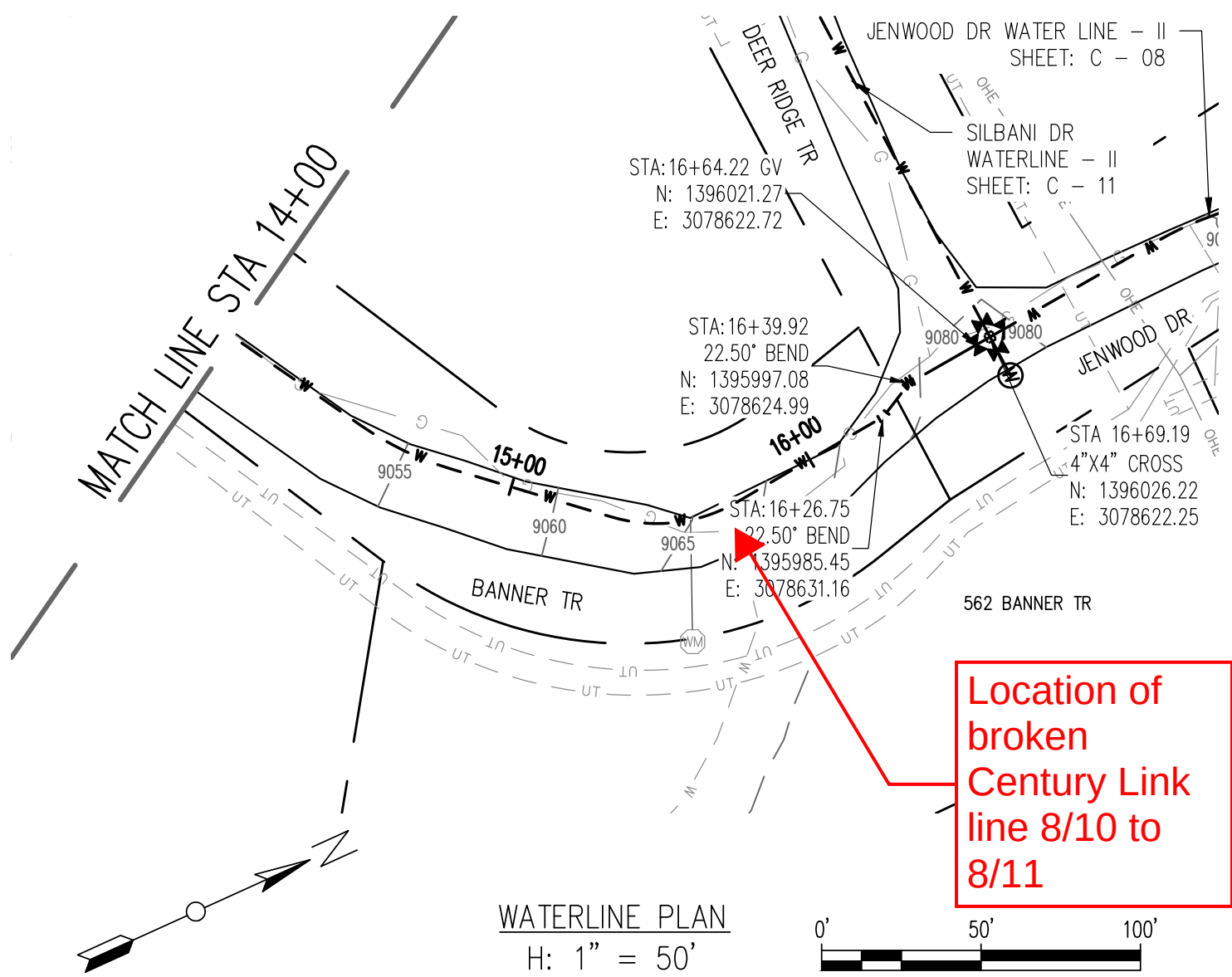
PROJECT: DISTRIBUTION SYSTEM FINAL DESIGN
PROJECT NUMBER: 1299
CLIENT: ARABIAN ACRES METROPOLITAN DISTRICT
LOCATION: UNINCORPORATED TELLER COUNTY, COLORADO
DESIGNED BY: MIKE GROSSELE, P.E.
CHECKED BY: ADAM SOMMERS, P.E.
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BANNER TR II WATERLINE - I
STA 1+00 TO STA 14+00

SCALE
H: 1" = 50'
V: 1" = 10'
SHEET NUMBER:
C - 23

RELEASED FOR
CONSTRUCTION
5/21/2020



WATERLINE PROFILE
V: 1" = 10'

REV. No:	DATE:	BY:	REVISION DESCRIPTION:



ARABIAN ACRES
METROPOLITAN DISTRICT
DISTRIBUTION SYSTEM
IMPROVEMENT PROJECT



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BANNER TR II WATERLINE - II
STA 14+00 TO END

SCALE
H: 1" = 50'
V: 1" = 10'

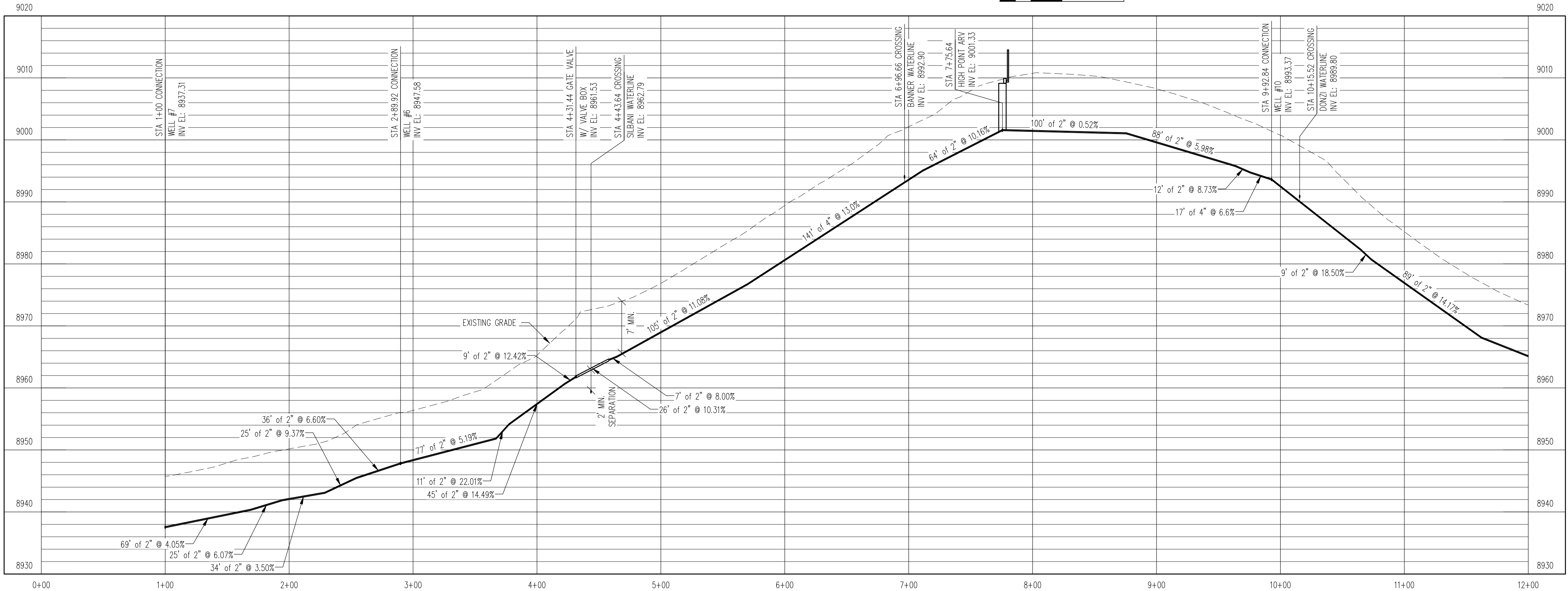
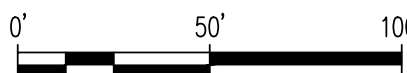
SHEET NUMBER:
C - 24

RELEASED FOR
CONSTRUCTION
5/21/2020

Pipe installed
to here 7/21

pipe installed
8/1

WATERLINE PLAN
H: 1" = 50'



WATERLINE PROFILE
V: 1" = 10'

REV. No:	DATE:	BY:	REVISION DESCRIPTION:



ARABIAN ACRES
METROPOLITAN DISTRICT
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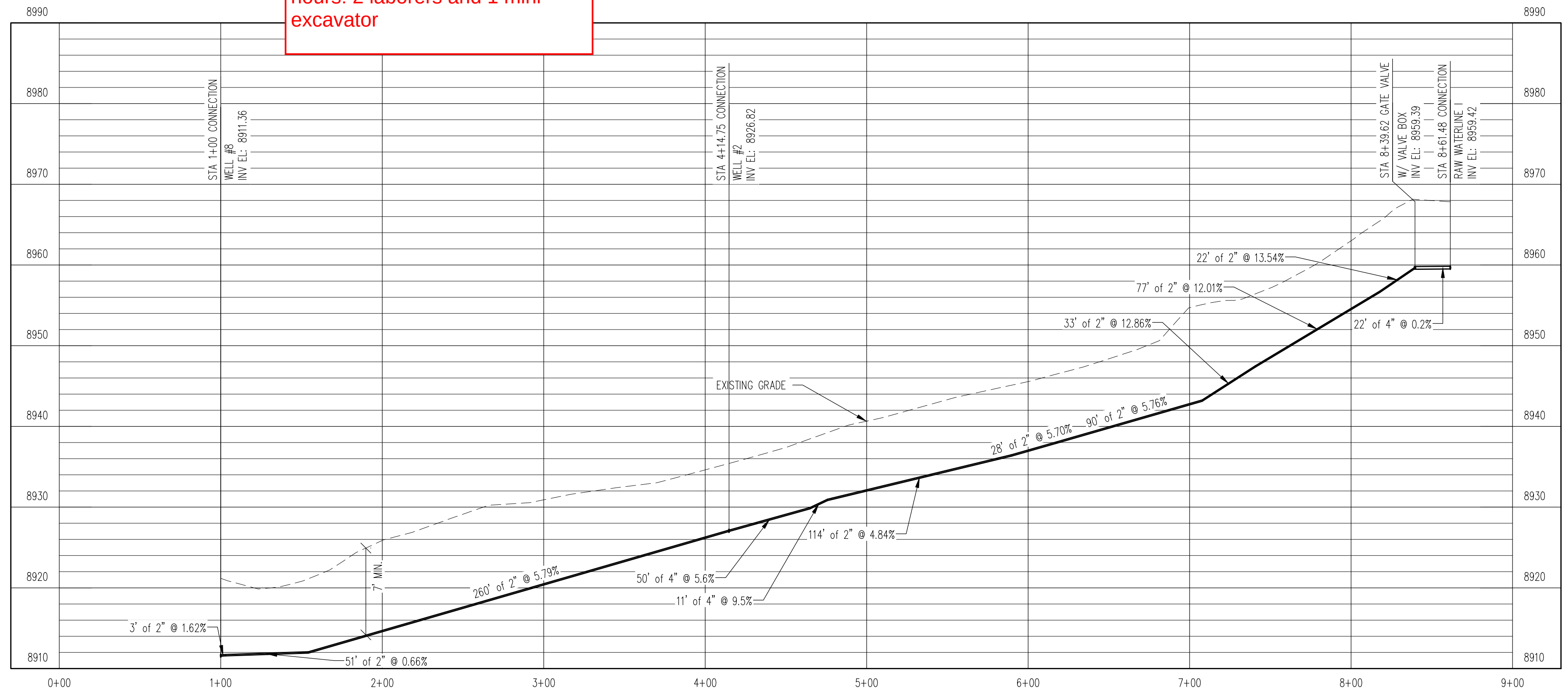
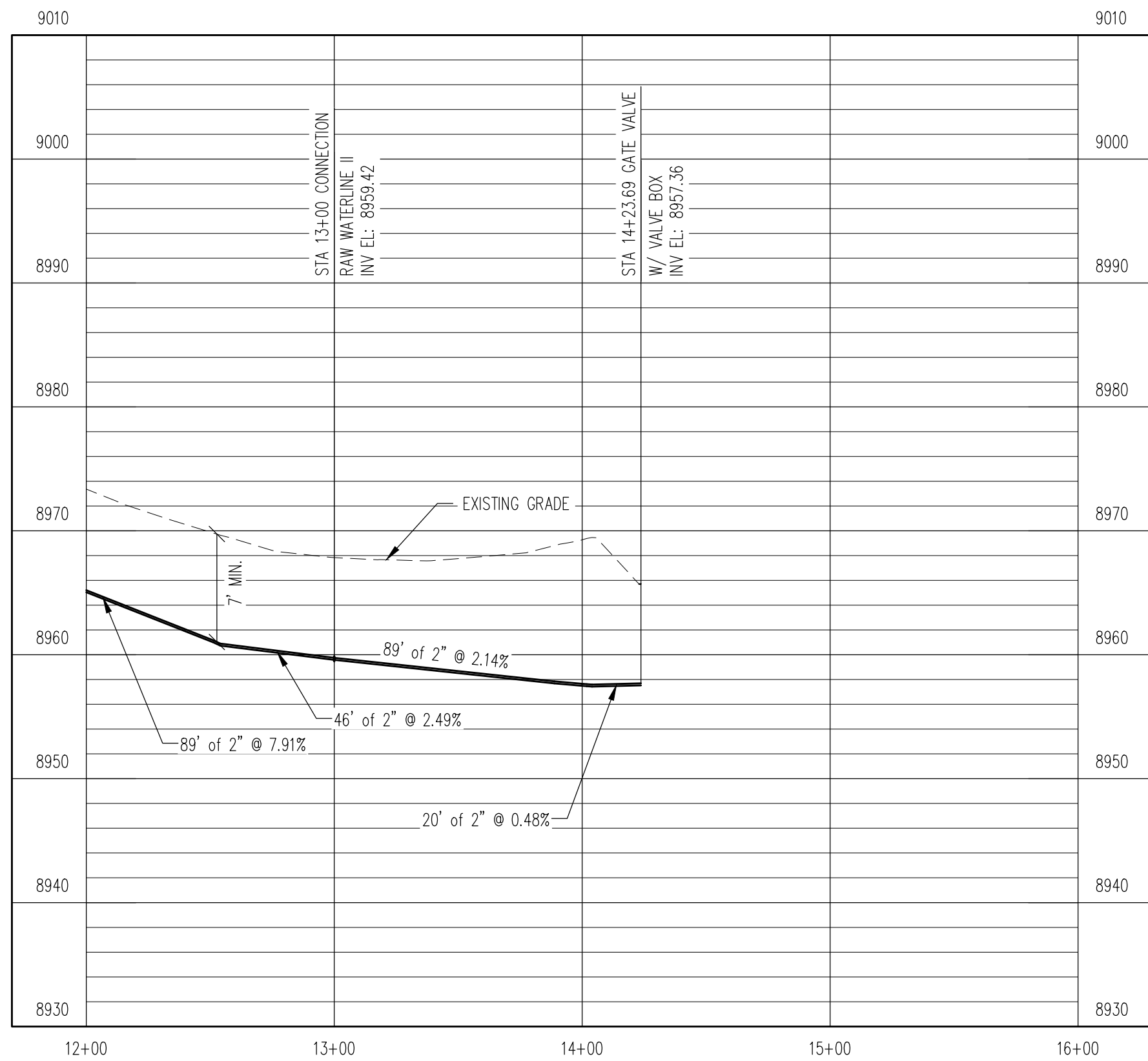
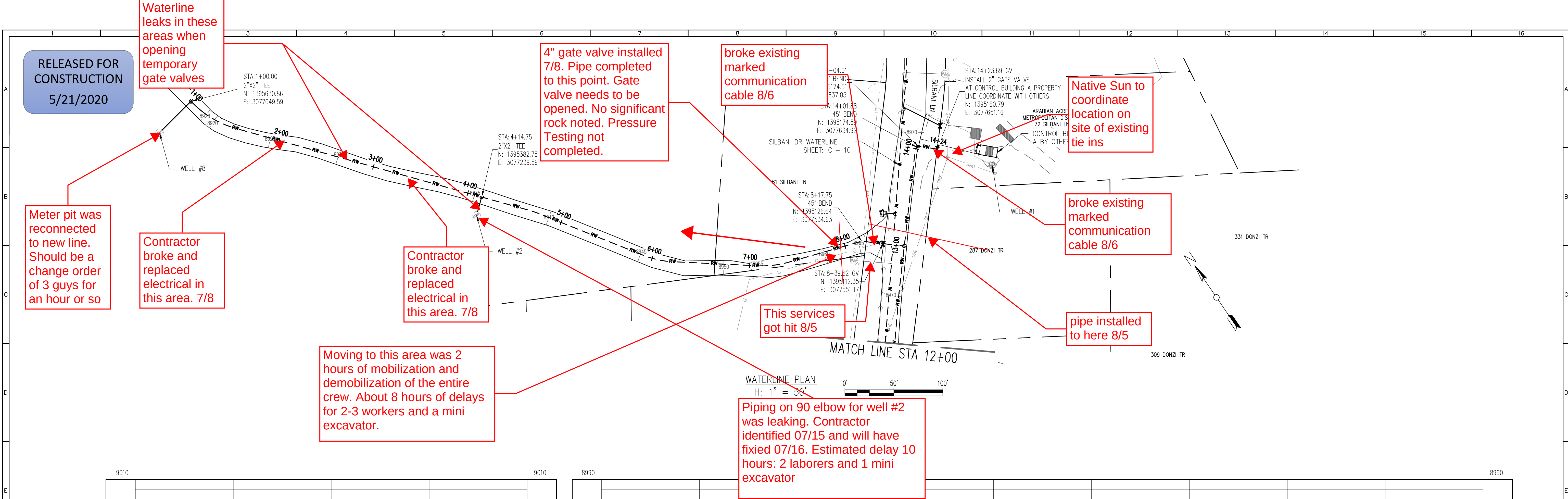


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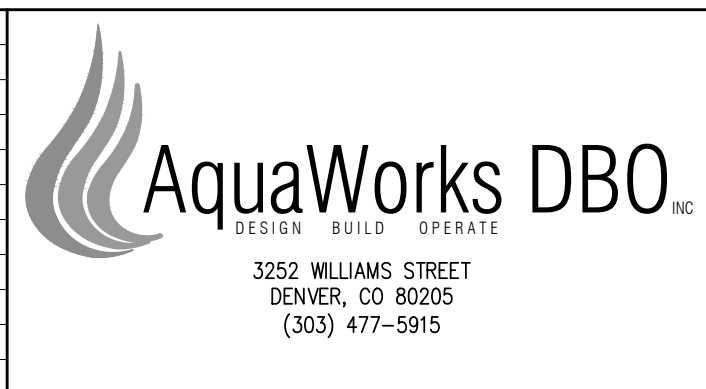
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RAW WATERLINE I - I
STA 1+00 TO STA 14+00

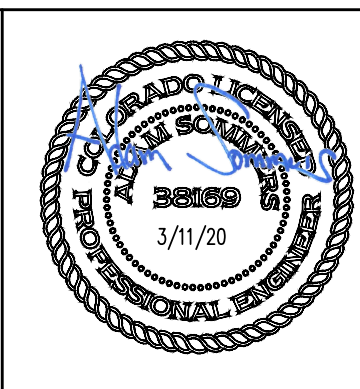
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REV. No.	DATE	BY	REVISION DESCRIPTION



ARABIAN ACRES
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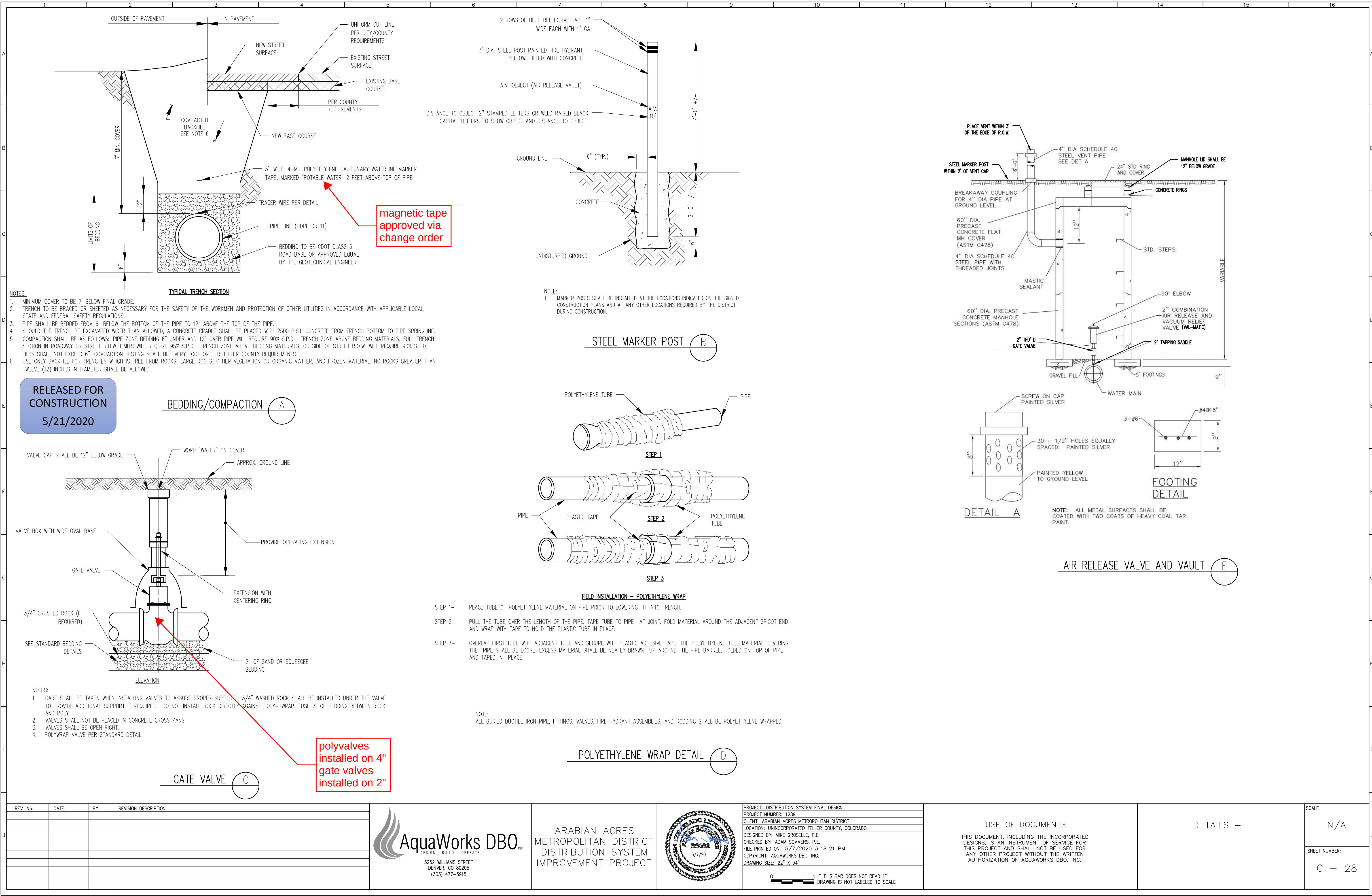
USE OF DOCUMENTS

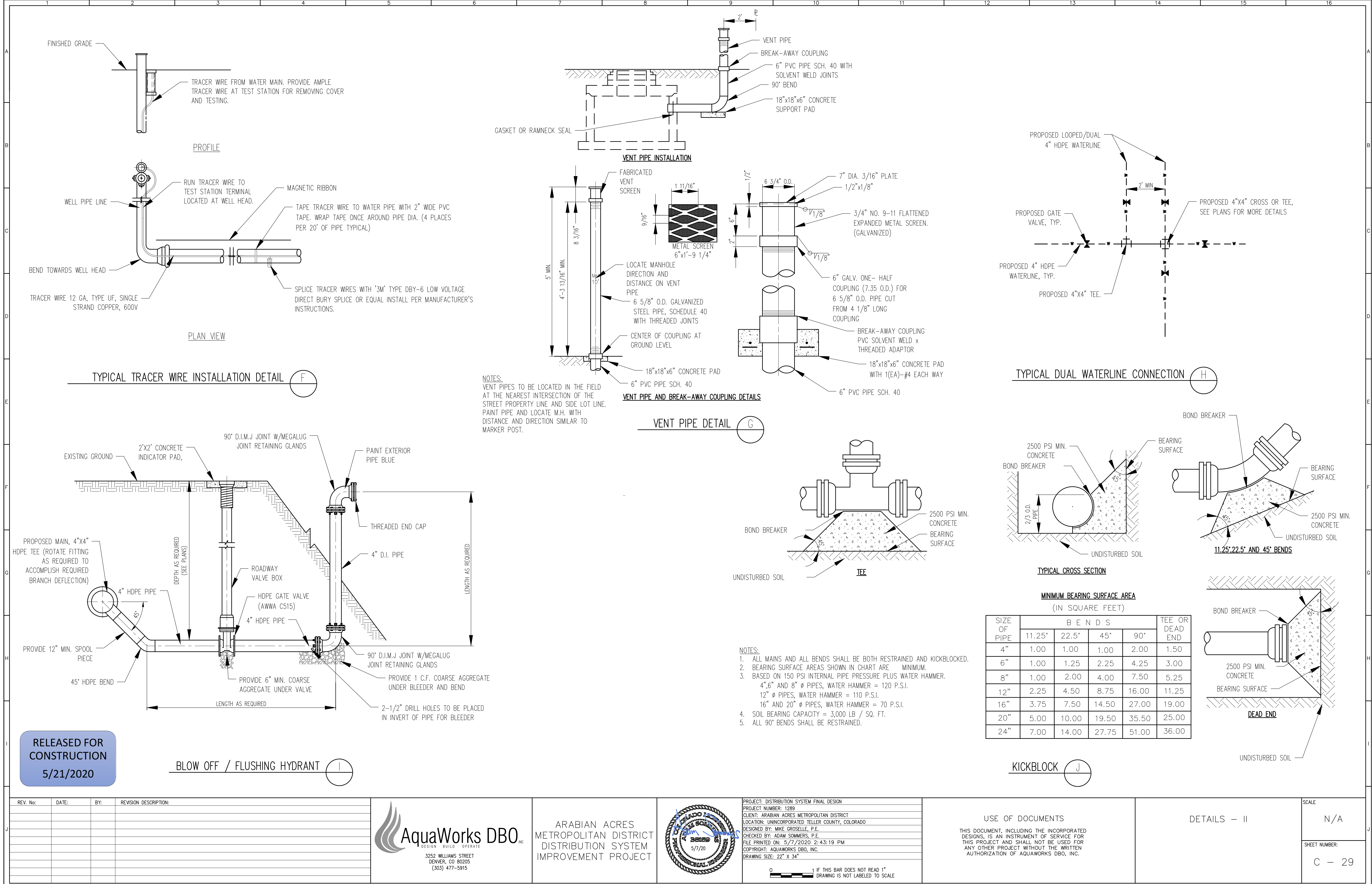
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RAW WATERLINE I – II
STA 14+00 TO END
RAW WATERLINE II
STA 1+00 TO END

SCALE
H: 1" = 50'
V: 1" = 10'

SHEET NUMBER:
C – 26





5/21/2020



1. LOCATE ENTRANCE(S) TO PROVIDE FOR UTILIZATION BY ALL CONSTRUCTION VEHICLES.
2. CONSTRUCTION ENTRANCES SHALL BE YAK MAT OUTRAK MAT OR EQUAL.
3. SCE TO BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS.
4. OUTRAK MAT SHALL BE PORTABLE AND MOVABLE.



1. ALL RUNOFF LEAVING A DISTURBED AREA SHALL PASS THROUGH AT LEAST ONE SEDIMENT ENTRAINMENT FACILITY BEFORE IT EXITS THE SITE.
2. CONTRACTOR TO REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE THIRD OF PROTECTION FEATURE HEIGHT. CONTRACTOR SHALL PERFORM CONTINUOUS INSPECTION FOR PROPER FUNCTION.
3. SILT FENCE POSTS SHALL BE METAL OR WOOD WITH A MINIMUM LENGTH OF 42 INCHES. METAL POSTS SHALL BE "STUDDED TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT. WOOD POSTS SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION OF 2 INCHES. SILT FENCE GEOTEXTILE SHALL BE ATTACHED TO POSTS WITH THREE OR MORE STAPLES PER POST.
4. SILT FENCE SHALL BE INSTALLED IN LOCATIONS THAT PREVENT RUNOFF FROM LEAVING THE SITE PRIOR TO ANY GRUBBING OR GRADING ACTIVITY. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT ACCUMULATES TO ONE HALF THE EXPOSED GEOTEXTILE HEIGHT AND SHALL BE DISPOSED OF.
5. EROSION LOGS: EROSION LOGS SHALL BE CURLED ASPEN WOOD EXCELSTOR WITH A CONSISTENT WIDTH OF FIBERS EVENLY DISTRIBUTED THROUGHOUT THE LOG. THE CASING SHALL BE SEAMLESS, PHOTODEGRADABLE TUBE NETTING AND SHALL HAVE MINIMUM DIMENSIONS AS SHOWN BELOW. THE CURLED ASPEN WOOD EXCELSTOR SHALL BE FUNGUS FREE, RESIN FREE AND SHALL BE FREE OF GROWTH OR GERMINATION INHIBITING SUBSTANCES. STAKES TO SECURE EROSION LOGS SHALL CONSIST OF PINEWOOD OR HARDWOOD.
6. THE CONTRACTOR SHALL MAINTAIN THE EROSION LOGS DURING CONSTRUCTION TO PREVENT SEDIMENT FROM PASSING OVER OR UNDER THE LOGS OR FROM SEDIMENT ACCUMULATION GREATER THAN 30% OF THE ORIGINAL EXPOSED HEIGHT OF EACH EROSION LOG. STAKES SHALL BE EMBEDDED A MINIMUM OF DEPTH OF 4 INCHES.
7. STABILIZATION OF SEDIMENT AND EROSION CONTROL MEASURES:
 - 7.1. SEDIMENT BARRIERS, PERMITTER DIKES, AND OTHER MEASURES INTENDED TO EITHER TRAP SEDIMENT OR PREVENT RUNOFF FROM FLOWING OVER DISTURBED AREAS SHALL BE CONSTRUCTED AS A FIRST STEP IN GRADING AND BE MADE FUNCTIONAL BEFORE LAND DISTURBANCE TAKES PLACE.
 - 7.2. EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS SHALL BE STABILIZED WITHIN FIVE (5) DAYS OF INSTALLATION.
 - 7.3. STORMWATER OUTLETS SHALL ALSO BE STABILIZED PRIOR TO ANY UPSTREAM LAND DISTURBING ACTIVITIES.
8. STABILIZATION OF WATERWAYS AND OUTLETS:
 - 8.1. ALL ONSITE STORMWATER CONVEYANCE CHANNELS USED BY CONTRACTOR FOR TEMPORARY EROSION CONTROL PURPOSES SHALL BE DESIGNED AND CONSTRUCTED WITH ADEQUATE CAPACITY AND PROTECTION TO PREVENT EROSION DURING STORM AND RUNOFF EVENTS.
 - 8.2. STABILIZATION ADEQUATE TO PREVENT EROSION SHALL ALSO BE PROVIDED AT THE OUTLETS OF ALL PIPES AND CHANNELS.
9. STORM SEWER INLET PROTECTION: ALL STORM SEWER INLETS WHICH ARE MADE OPERABLE DURING CONSTRUCTION OR WHICH DRAIN STORMWATER RUNOFF FROM A CONSTRUCTION SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION BY THE USE OF FILTERS.
10. CONSTRUCTION ACCESS ROUTES:
 - 10.1. WHEREVER CONSTRUCTION VEHICLES ENTER OR LEAVE A CONSTRUCTION SITE, A STABILIZED CONSTRUCTION ENTRANCE IS REQUIRED.
 - 10.2. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE, THE ROADS SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY.
 - 10.3. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND BE TRANSPORTED TO A SEDIMENT CONTROLLED DISPOSAL AREA.
 - 10.4. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.

NOMINAL DIMENSIONS OF EROSION LOGS:			
DIAMETER	LENGTH	WEIGHT	STAKE DIMENSIONS
12 INCH	7-10 FEET	2.5 LBS/FOOT	1.5X1.5X24 INCHES

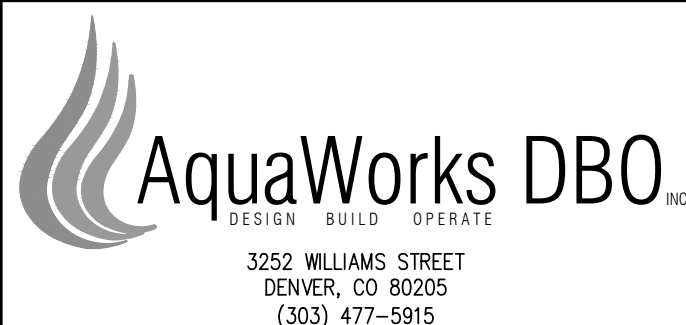
<u>GEOTEXTILE FOR SILT FENCE:</u>		
PROPERTY	SPECIFICATION	TEST METHOD
GRAB STRENGTH, N (LBS)	400 (90)	ASTM D 4632
ELONGATION, % MIN	50 MAXIMUM	ASTM D 4632
APPARENT OPENING SIZE	0.84 MAXIMUM	ASTM D 4751
ULTRAVIOLET DEGRADATION	70% STRENGTH RETAINED (AT 500 HOURS)	ASTM D 4355
PERMEABILITY S-1	0.01 MINIMUM	ASTM D 4491



		PERCENT	BROADCAST
SPECIES	VARIETY	OF MIX	PLS LBS/AC
BLUE GRAMA	LOVINGTON	20	1.2
LITTLE BLUESTEM	PASTURE	25	2.1
SHEEP FESCUE	COVER	15	1.4
ARIZONA FESCUE	REDONDO	10	0.9
INDIAN RICEGRASS	PALOMA	10	2.5
CANBY BLUEGRASS	CANBAR	10	0.6
WESTERN WHEATGRASS	ROSANA	10	0.3
THICKSPIKE WHEATGRASS	CRITANA	10	2.2
TOTAL:		100%	14.1 LBS/AC

NOTE: PROVIDE MULCH AND TACKIFIER TO MEET GERMINATION REQUIREMENTS.

SEED MIX AND MULCH 4

[illegible]

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	SCALE
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N/A

SHEET NUMBER:

C - 30