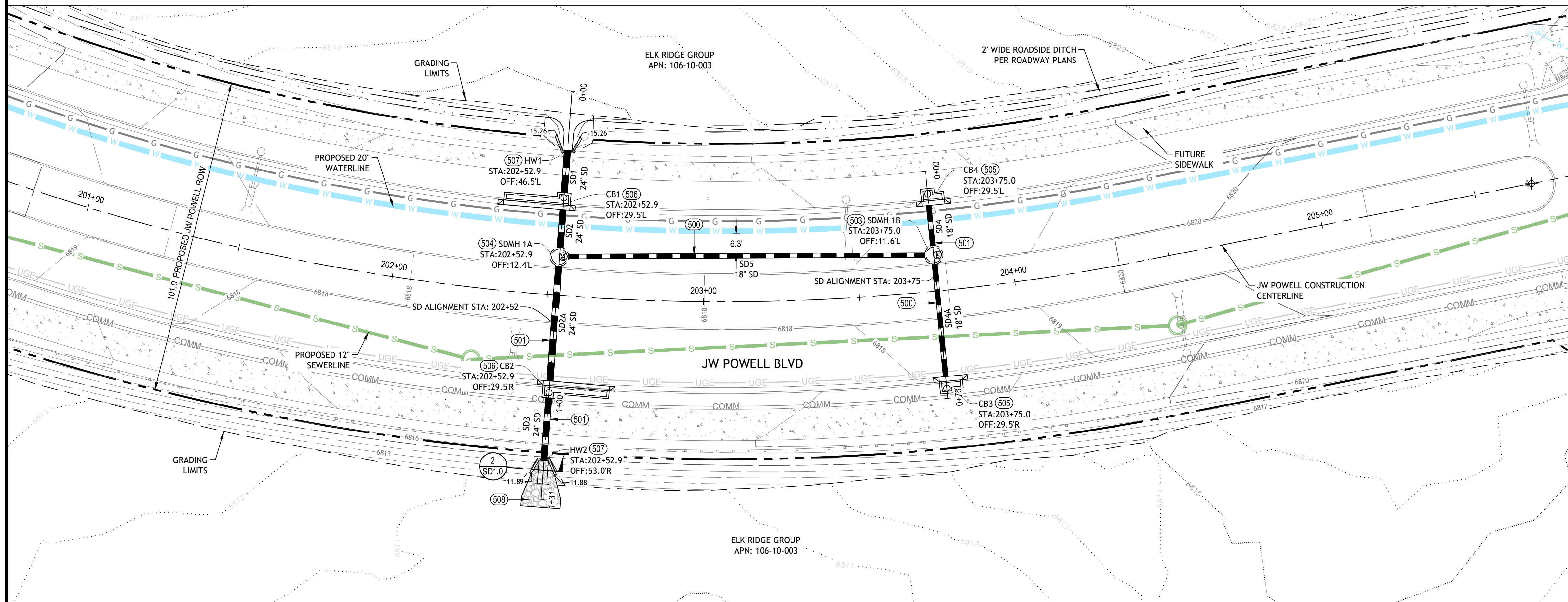
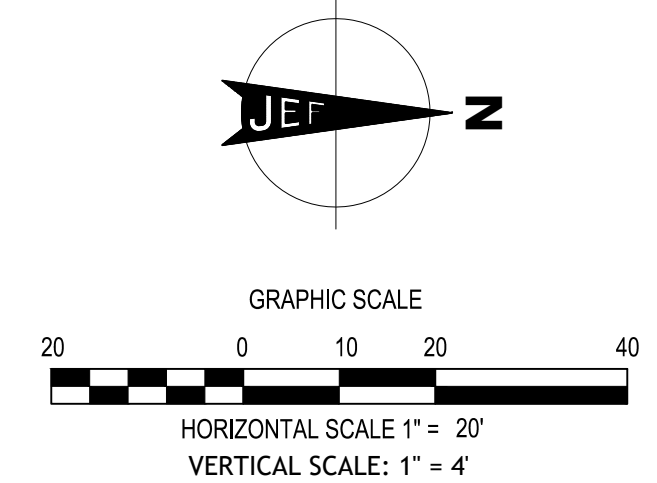


JW POWELL STORMDRAIN NETWORK PLAN VIEW

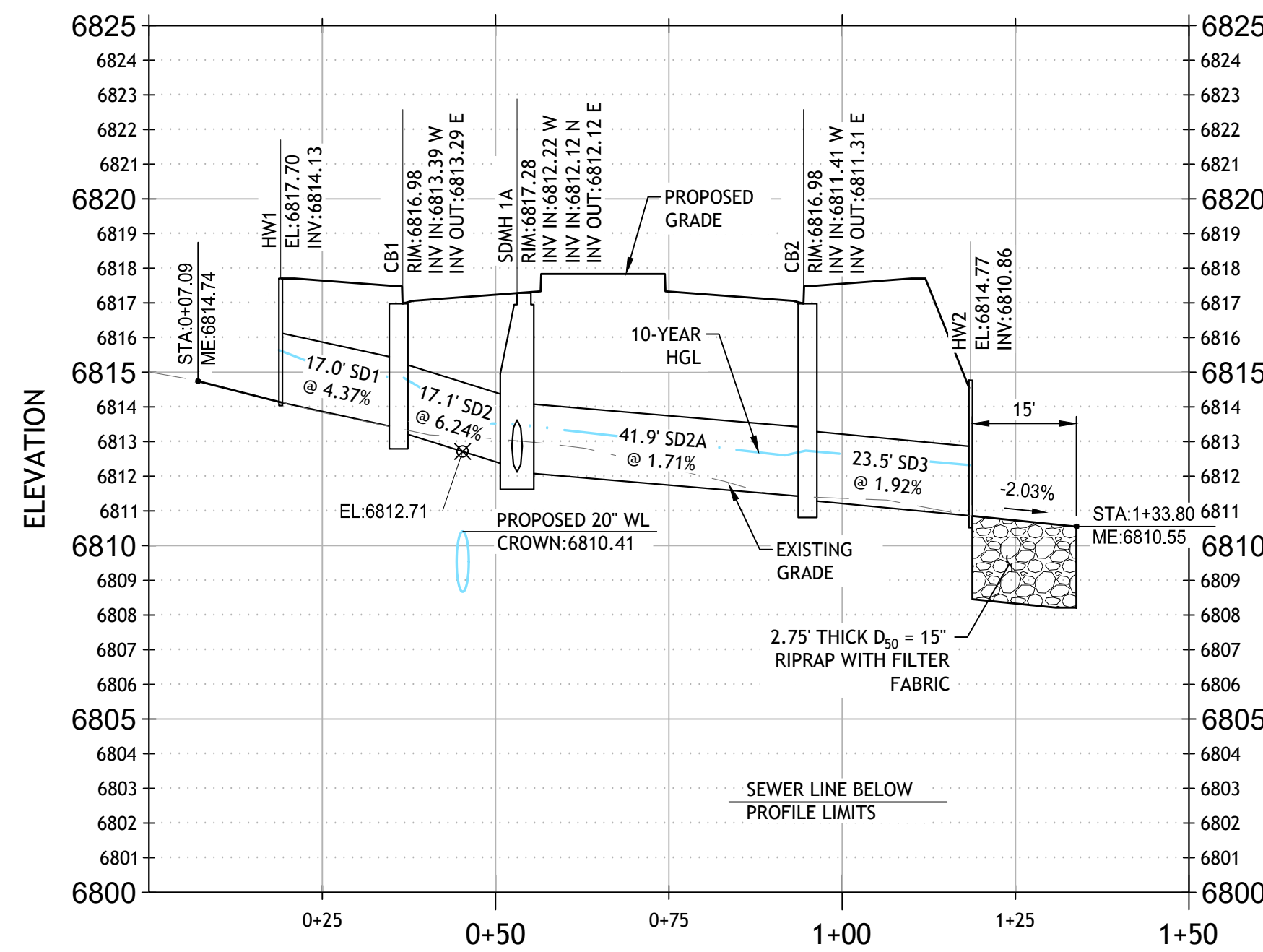


CONSTRUCTION NOTES

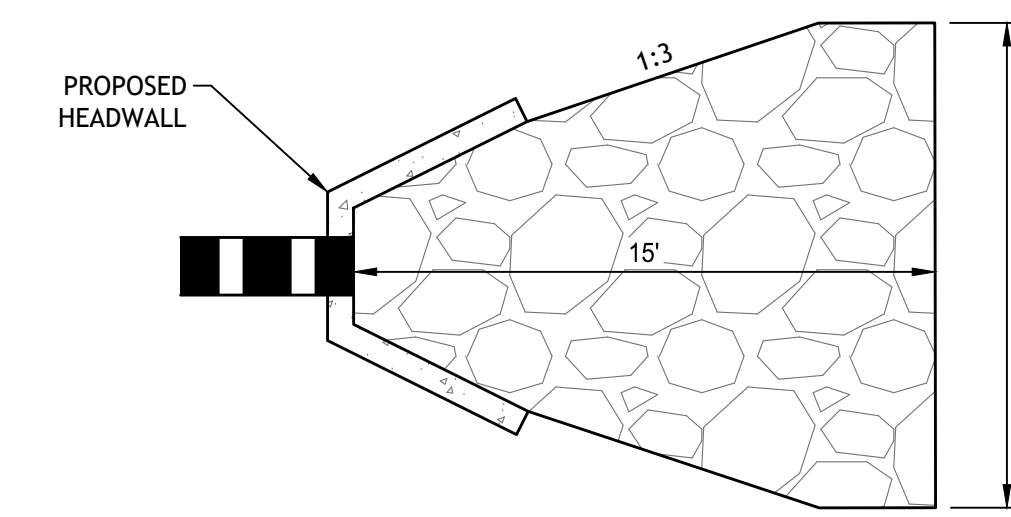
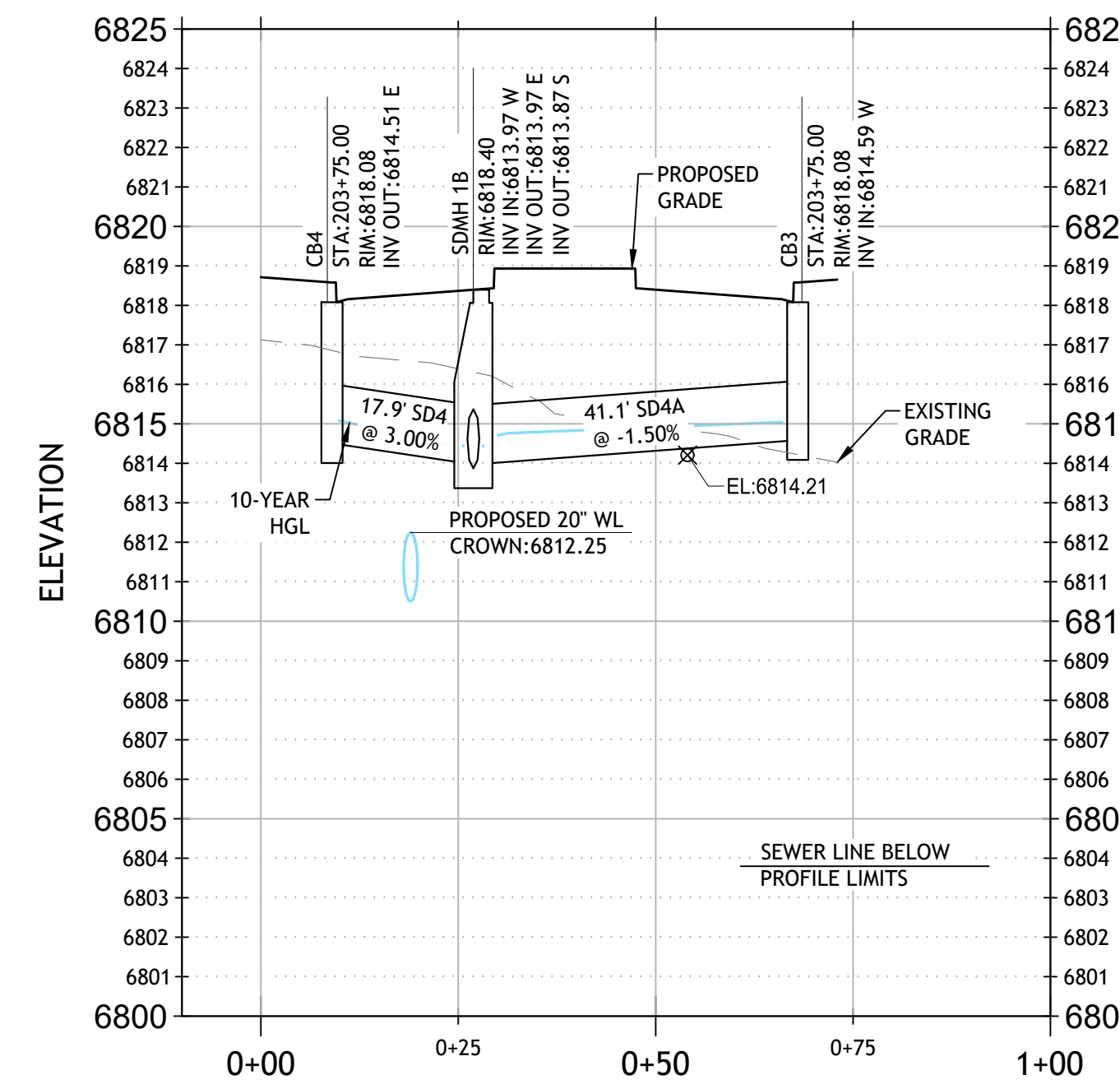
- DRAINAGE CONSTRUCTION:**
- (NOTE 500) 180 LF NEW 18" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1.
 - (NOTE 501) 100 LF NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
 - (NOTE 503) 1 EA NEW 60" STORMDRAIN MANHOLE PER MAG STD DTL 520 & 522.
 - (NOTE 504) 1 EA NEW 72" ADS BARRACUDA MAX S6 MANHOLE PER ADS STD DTL BARRACUDA MAX STORMWATER SEPARATOR.
 - (NOTE 505) 4 EA NEW MAG TYPE T' CATCH BASIN. INCLUDES A 3' WING PER MAG STD DTL 542.
 - (NOTE 506) 2 EA NEW MAG TYPE T' CATCH BASIN. INCLUDES A 12' WING PER MAG STD DTL 542.
 - (NOTE 507) 2 EA NEW CMU OR REINFORCED CONCRETE HEADWALL PER MAG STD DTL 501. DIMENSIONS OF WING WALLS AS SHOWN PER PLAN VIEW.
 - (NOTE 508) 15 CY INSTALL 33" (2.75') THICK D50 = 15' RIPRAP PAD WITH FILTER FABRIC PER DTL 1, SHT SD1.0. APRON DESIGN TO BE A FAN SHAPE WITH A 1:3 EXPANSION RATIO.



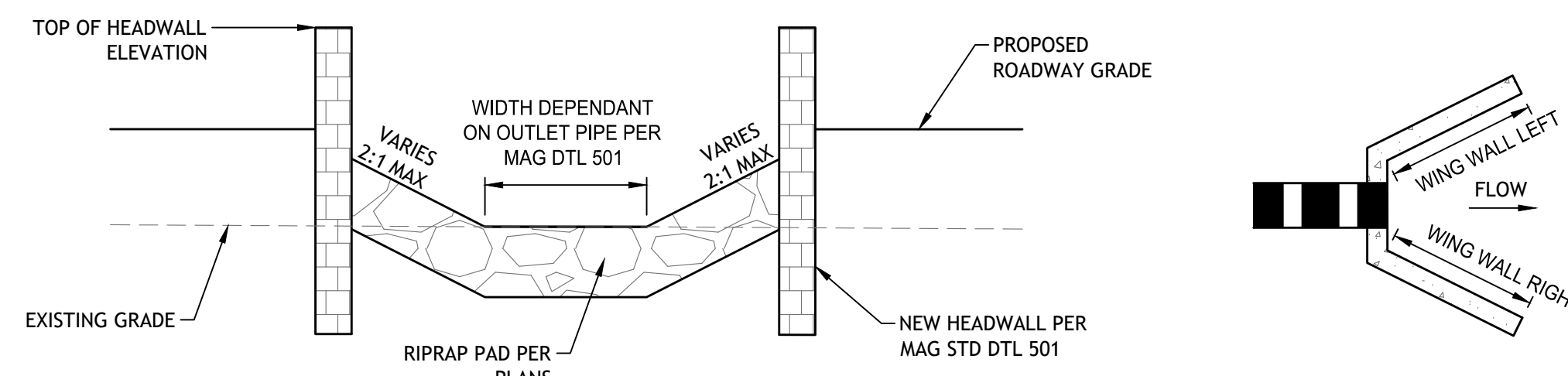
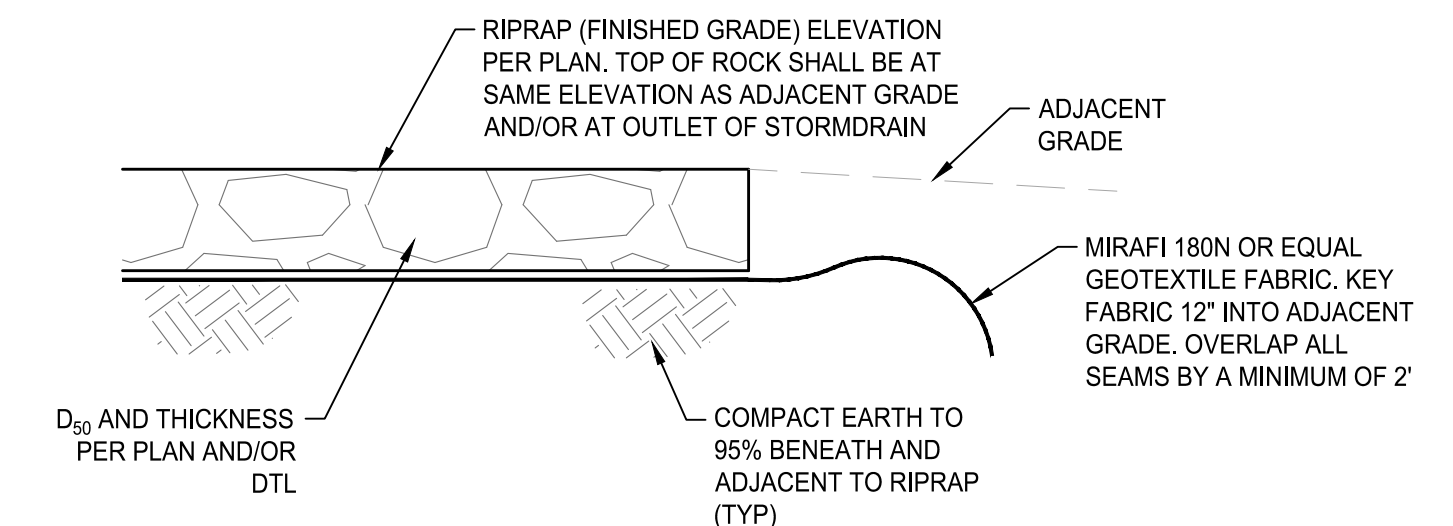
STORMDRAIN PROFILE VIEW STA: 202+52



STORMDRAIN PROFILE VIEW STA: 203+75



PLAN VIEW



2 TYPICAL OUTLET HEADWALL DETAIL NTS

HEADWALL PROPERTIES		
ID	LEFT WING WALL LENGTH (FT)	RIGHT WING WALL LENGTH (FT)
1	5	5
2	5	5
3	5	5
4	7.5	5
5	5	5
6	6	8
7	5	5
8	6	6
9	5	6
10	6	6
12	9	6
13	6	10
14	5 (SKEWED)	7

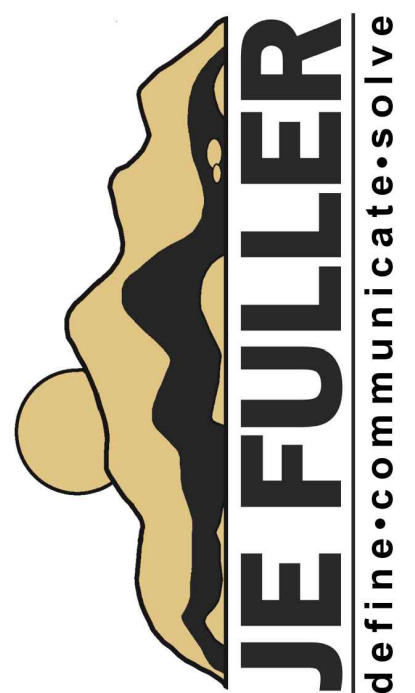
12" RIPRAP GRADATION TABLE	
SIZE (FT)	PERCENT PASSING
2.0	90-100
1.5	70-85
1.0	30-50
0.68	5-15
0.34	0-5

1 TYPICAL RIPRAP SECTION NTS



DATE	DESCRIPTION/DATE	REVISION

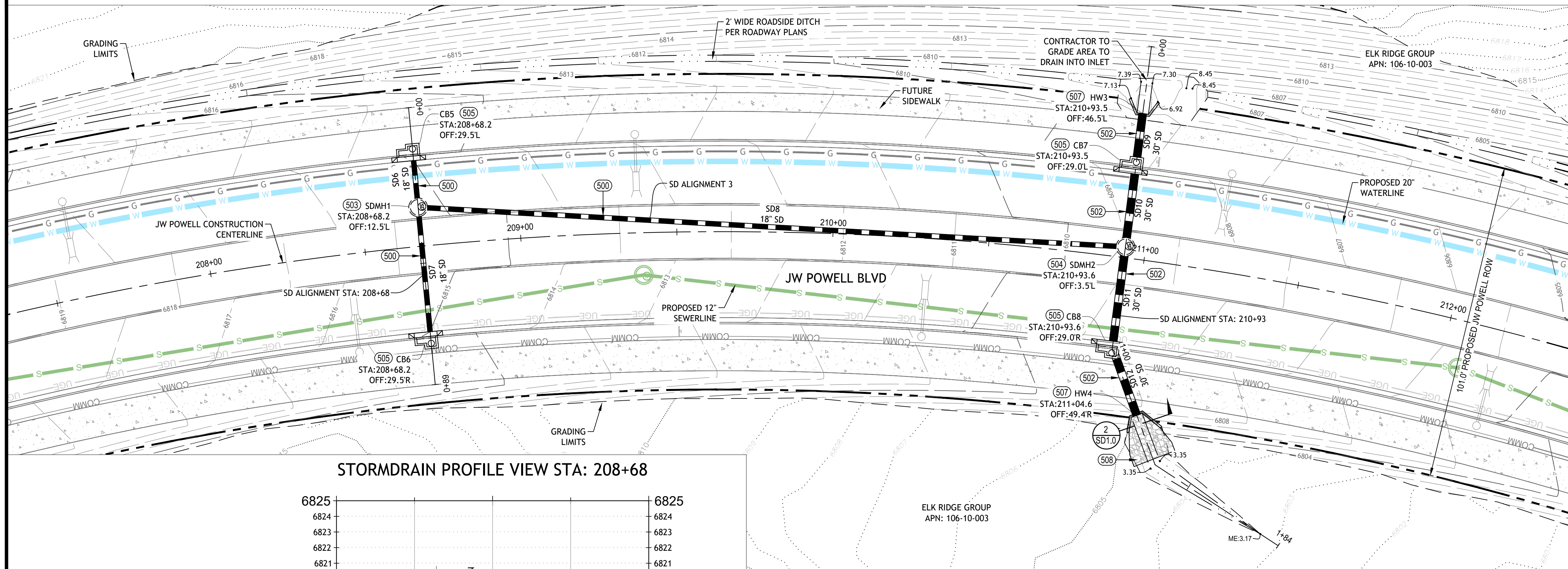
3111 N CADEN CT.
SUITE 120
DUSTY, AZ 86004
(928) 44-0857
WWW.JEFULLER.COM



Preliminary
Not For
Construction

CITY OF FLAGSTAFF JW POWELL EXTENSION STORMDRAIN NETWORK PLAN AND PROFILE	BY: EJV	CHECKED: EJV
	JOB NO: 17C0F02	DATE: MAY 2026
SD1.0		90% DESIGN

JW POWELL STORMDRAIN NETWORK PLAN VIEW

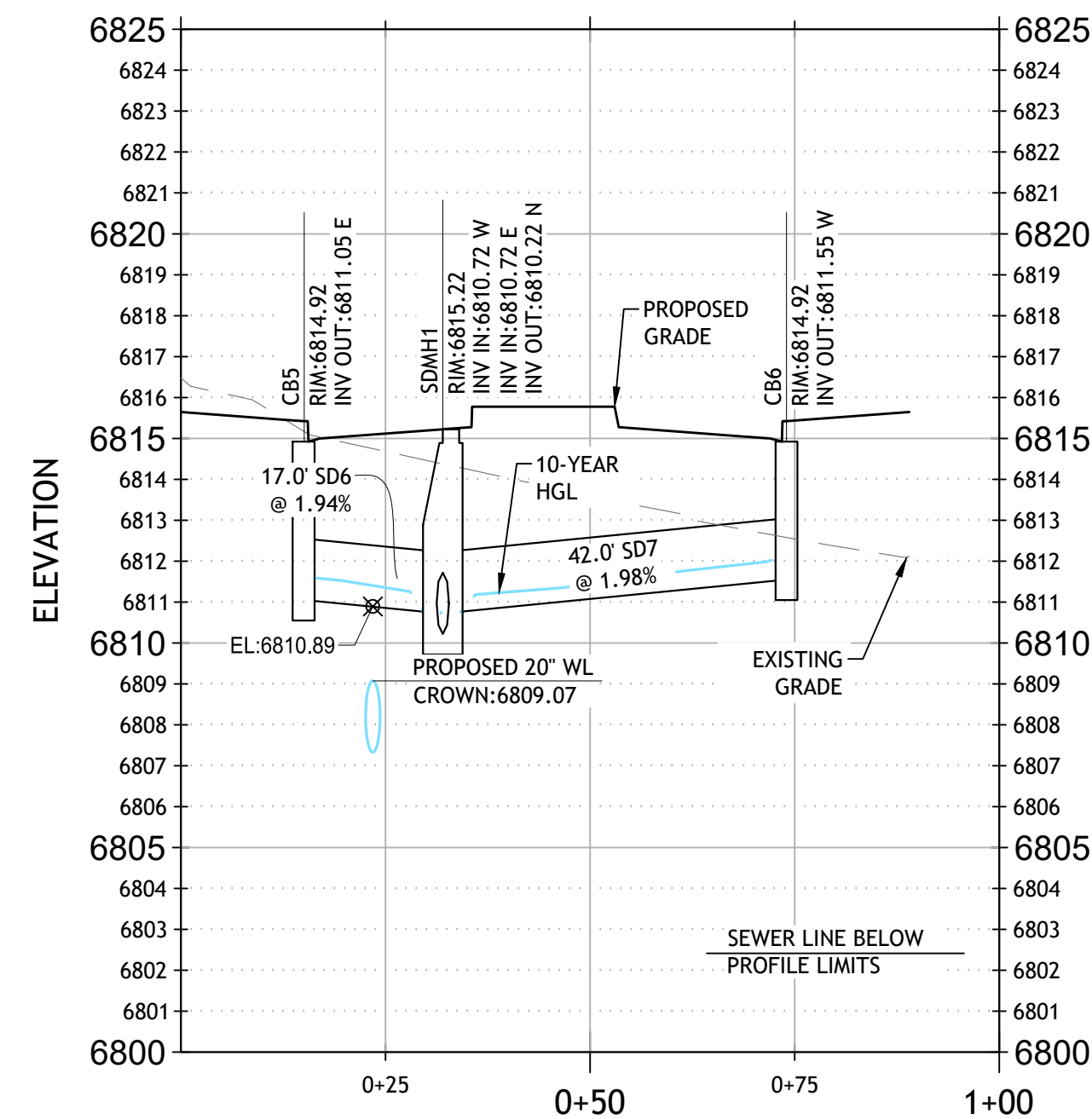


CONSTRUCTION NOTES

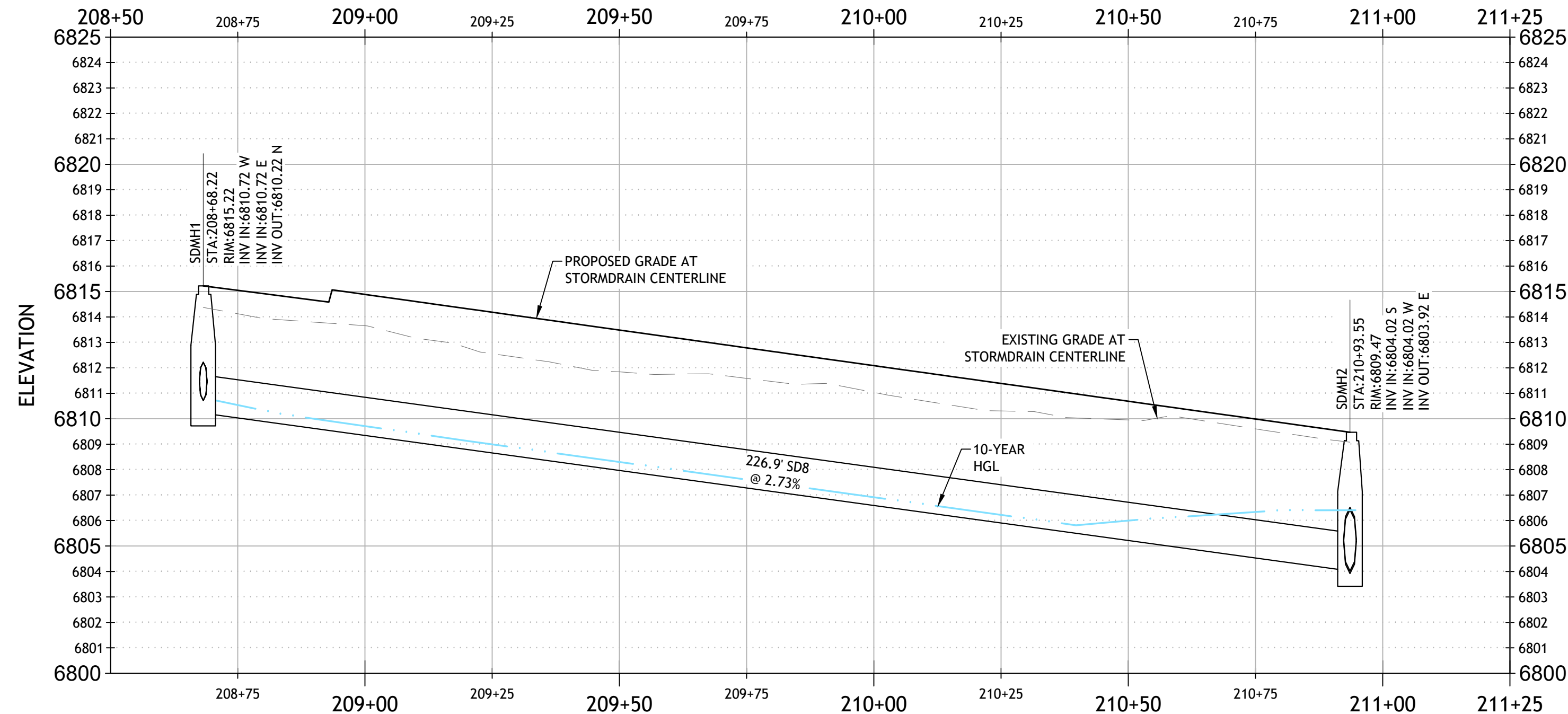
DRAINAGE CONSTRUCTION:

- (NOTE 500) 285 LF NEW 18" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1.
- (NOTE 502) 100 LF NEW 30" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 503) 1 EA NEW 60" STORMDRAIN MANHOLE PER MAG STD DTL 520 & 522.
- (NOTE 504) 1 EA NEW 72" ADS BARRACUDA MAX S6 MANHOLE PER ADS STD DTL BARRACUDA MAX STORMWATER SEPARATOR.
- (NOTE 505) 4 EA NEW MAG TYPE 'T' CATCH BASIN. INCLUDES A 3' WING PER MAG STD DTL 542.
- (NOTE 507) 2 EA NEW CMU OR REINFORCED CONCRETE HEADWALL PER MAG STD DTL 501. DIMENSIONS OF WING WALLS AS SHOWN PER PLAN VIEW.
- (NOTE 508) 15 CY INSTALL 33" (2.75') THICK D50 = 15' RIPRAP PAD WITH FILTER FABRIC PER DTL 1, SHT SD1.0. APRON DESIGN TO BE A FAN SHAPE WITH A 1:3 EXPANSION RATIO.

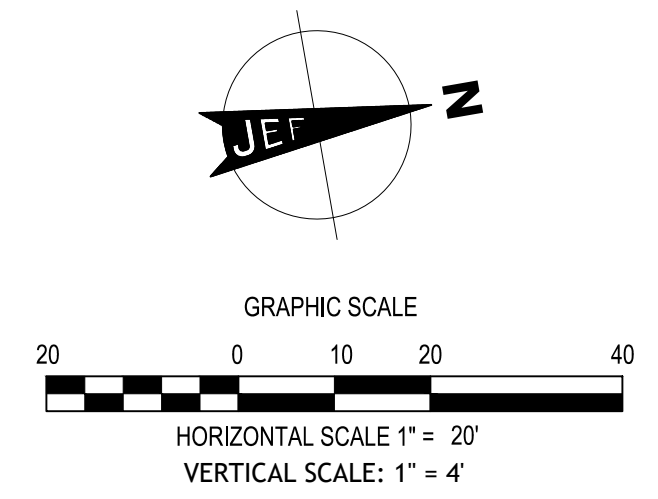
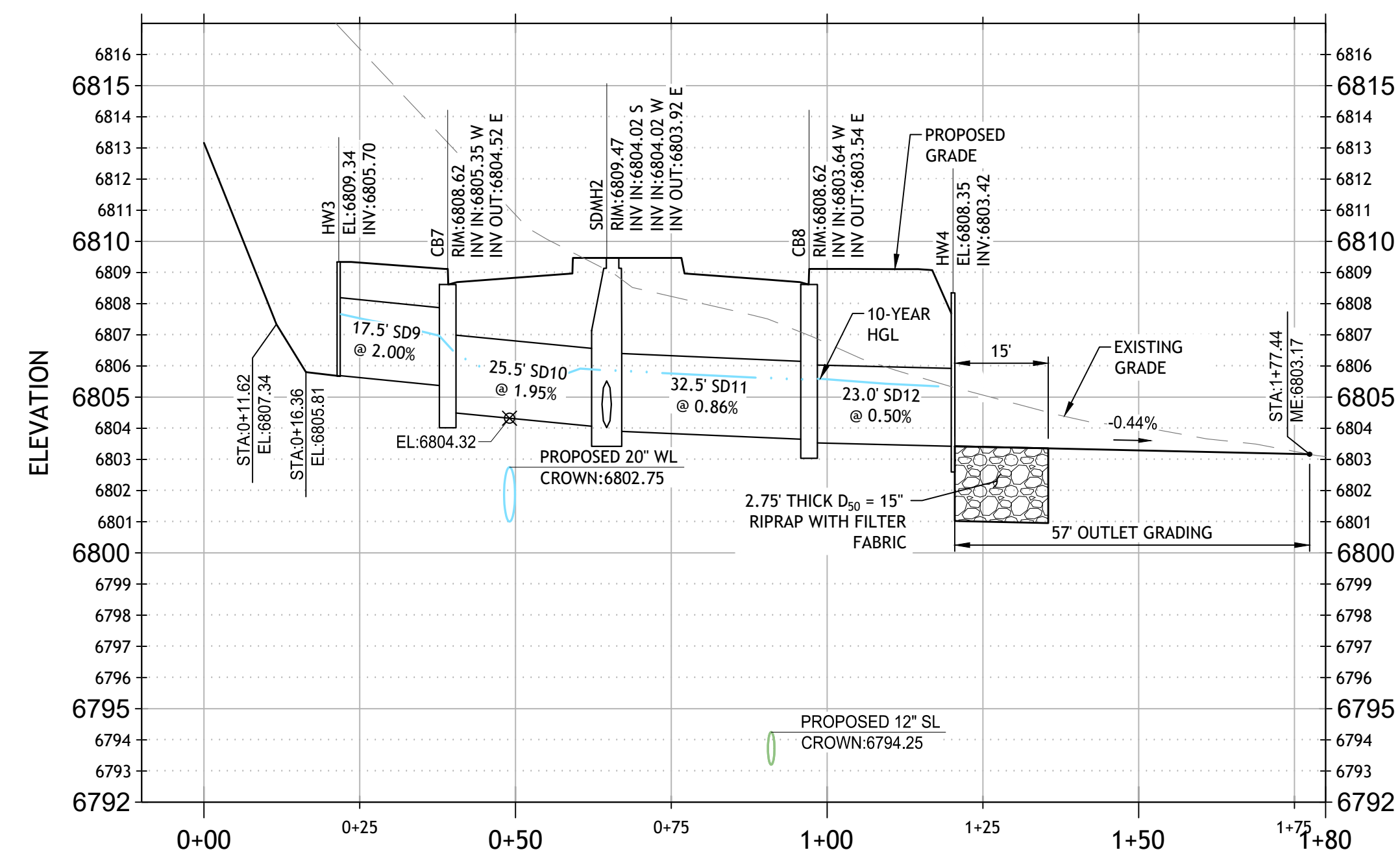
STORMDRAIN PROFILE VIEW STA: 208+68



STORMDRAIN PROFILE VIEW 3

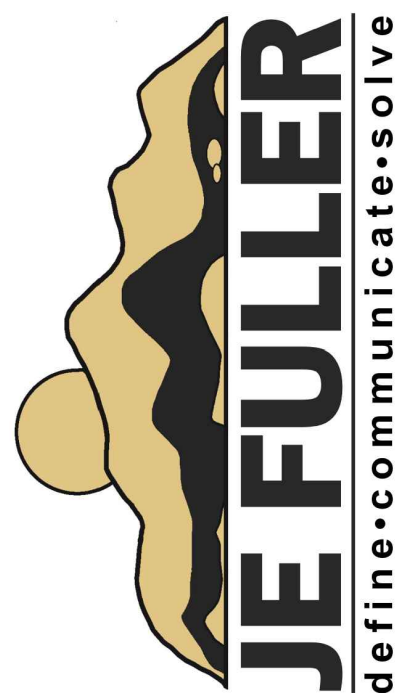


STORMDRAIN PROFILE VIEW STA: 210+93



DATE	DESCRIPTION

3111 N CADEN CT.
SUITE 120
DUSTY, AZ 86004
(928) 344-0857
WWW.JEFULLER.COM

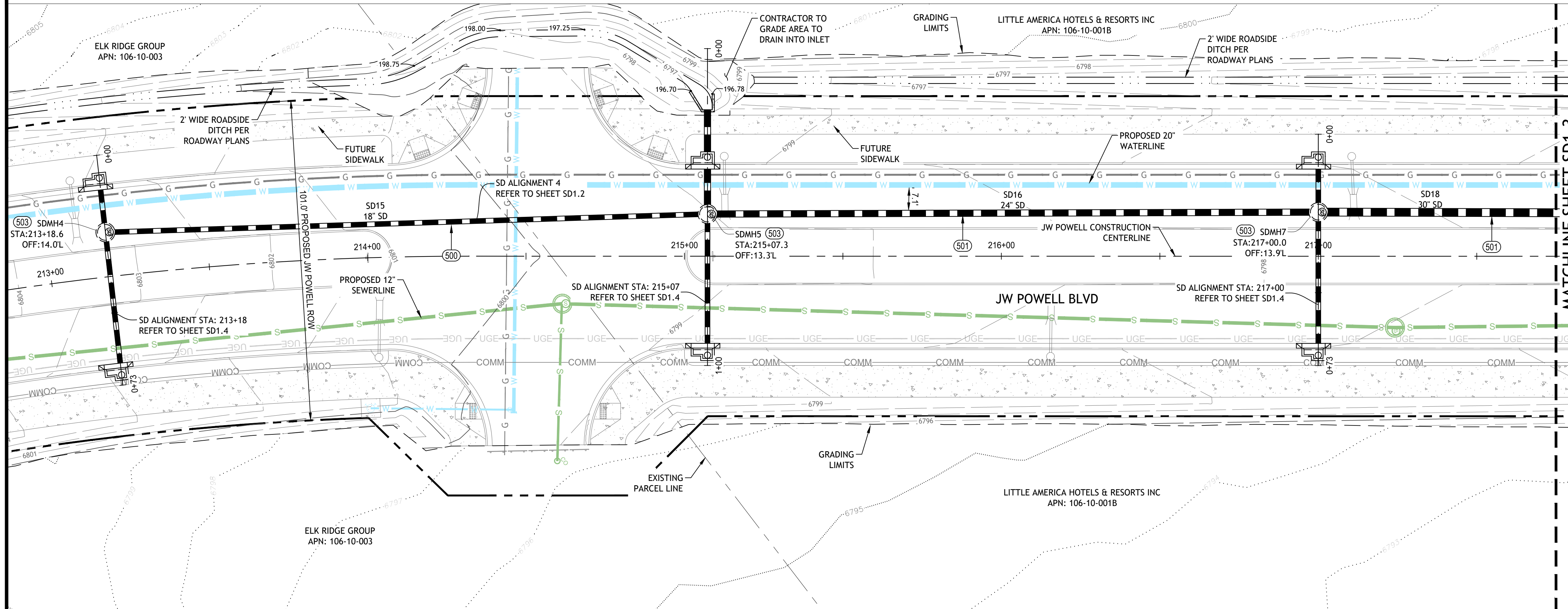


Preliminary
Not For
Construction

CITY OF FLAGSTAFF JW POWELL EXTENSION STORMDRAIN NETWORK PLAN AND PROFILE	BY: JMW	CHECKED: JMW
JOB NO: 17C0F02	DATE: MAY 2026	
SD1.1		

90% DESIGN

JW POWELL STORMDRAIN NETWORK PLAN VIEW



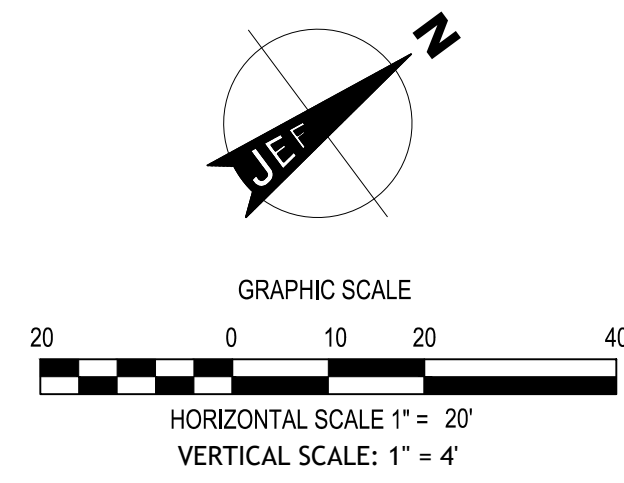
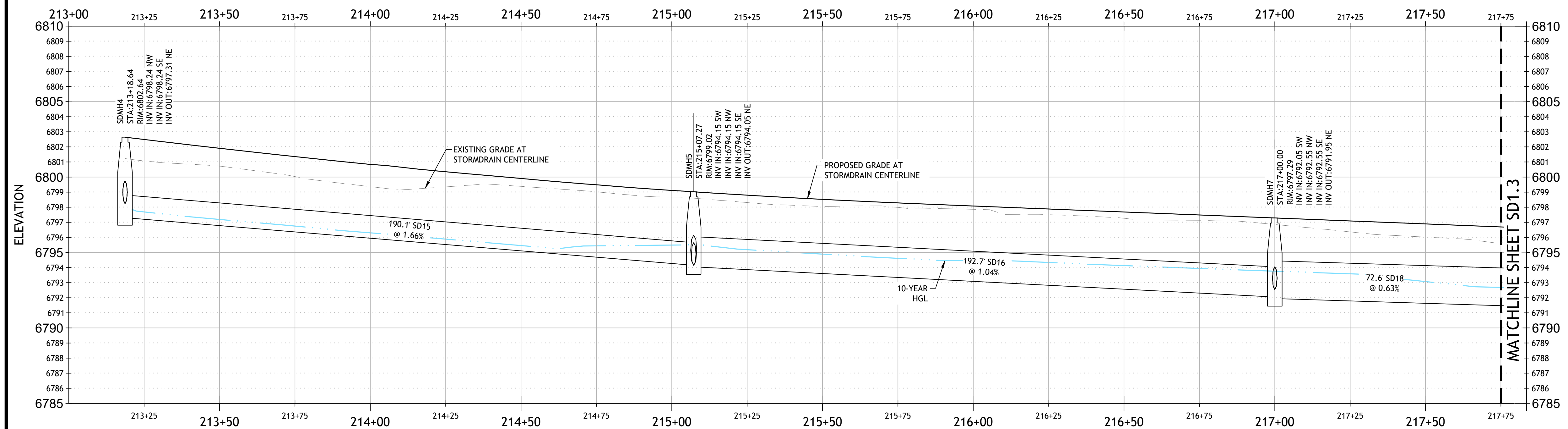
CONSTRUCTION NOTES

- DRAINAGE CONSTRUCTION:**
- (NOTE 500) 190 LF NEW 18" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1.
 - (NOTE 501) 195 LF NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
 - (NOTE 502) 75 LF NEW 30" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
 - (NOTE 503) 3 EA NEW 60" STORMDRAIN MANHOLE PER MAG STD DTLS 520 & 522.



DATE	DESCRIPTION	REVISION

STORMDRAIN PROFILE VIEW 4



3111 N CADEN CT.
SUITE 120
PHOENIX, AZ 85004
(602) 944-0857
WWW.JEFULLER.COM

define • communicate • solve

Preliminary
Not For
Construction

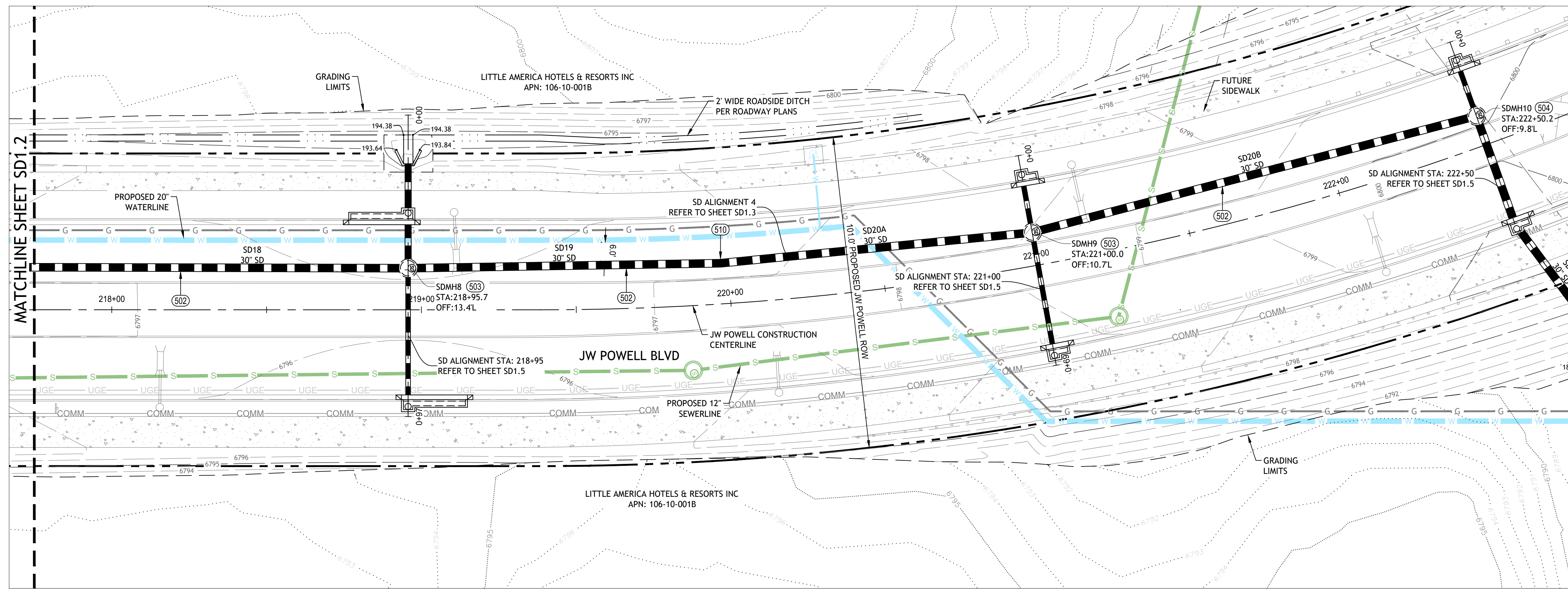
CITY OF FLAGSTAFF
JW POWELL EXTENSION
STORMDRAIN NETWORK
PLAN AND PROFILE

BY: EJV
CHECKED: EJV

JOB NO: 17C0F02
DATE: MAY 2026

SD1.2

JW POWELL STORMDRAIN NETWORK PLAN VIEW



CONSTRUCTION NOTES

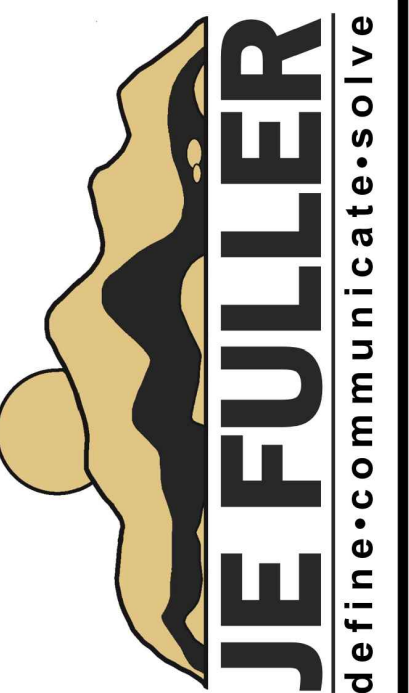
DRAINAGE CONSTRUCTION:

- (NOTE 501) 125 LF NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN, TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1, STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 502) 350 LF NEW 30" ADS HP STORM DOUBLE GASKET STORMDRAIN, TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1, STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 503) 2 EA NEW 60" STORMDRAIN MANHOLE PER MAG STD DTL S 520 & 522.
- (NOTE 504) 1 EA NEW 72" ADS BARRACUDA MAX S6 MANHOLE PER ADS STD DTL BARRACUDA MAX STORMWATER SEPARATOR.
- (NOTE 510) NPI CONTRACTOR TO FABRICATE A 11.25' BEND.



DATE	DESCRIPTION/DATE	REVISION

3111 N CADEN CT.
 SUITE 120
 PHOENIX, AZ 85004
 (602) 944-0857
 WWW.JEFULLER.COM



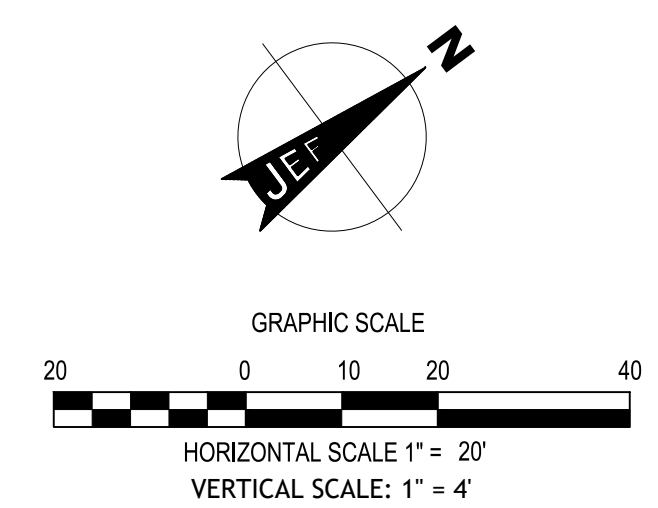
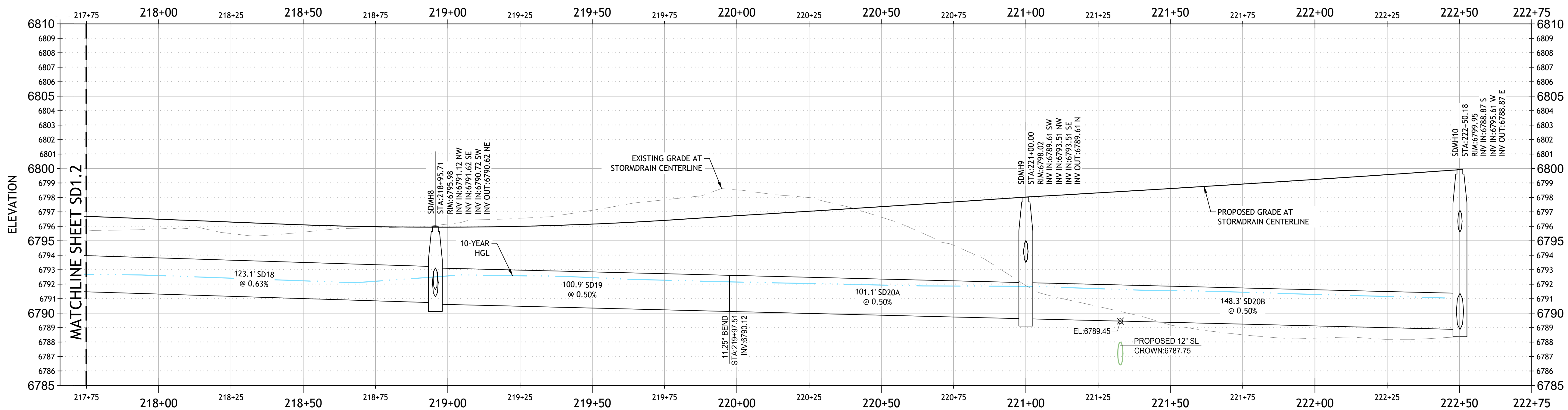
Preliminary
 Not For
 Construction

CITY OF FLAGSTAFF
 JW POWELL EXTENSION
 STORMDRAIN NETWORK
 PLAN AND PROFILE

JOB NO: 17C0F02
 DATE: MAY 2026
 BY: EJV
 CHECKED: EJV

SD1.3

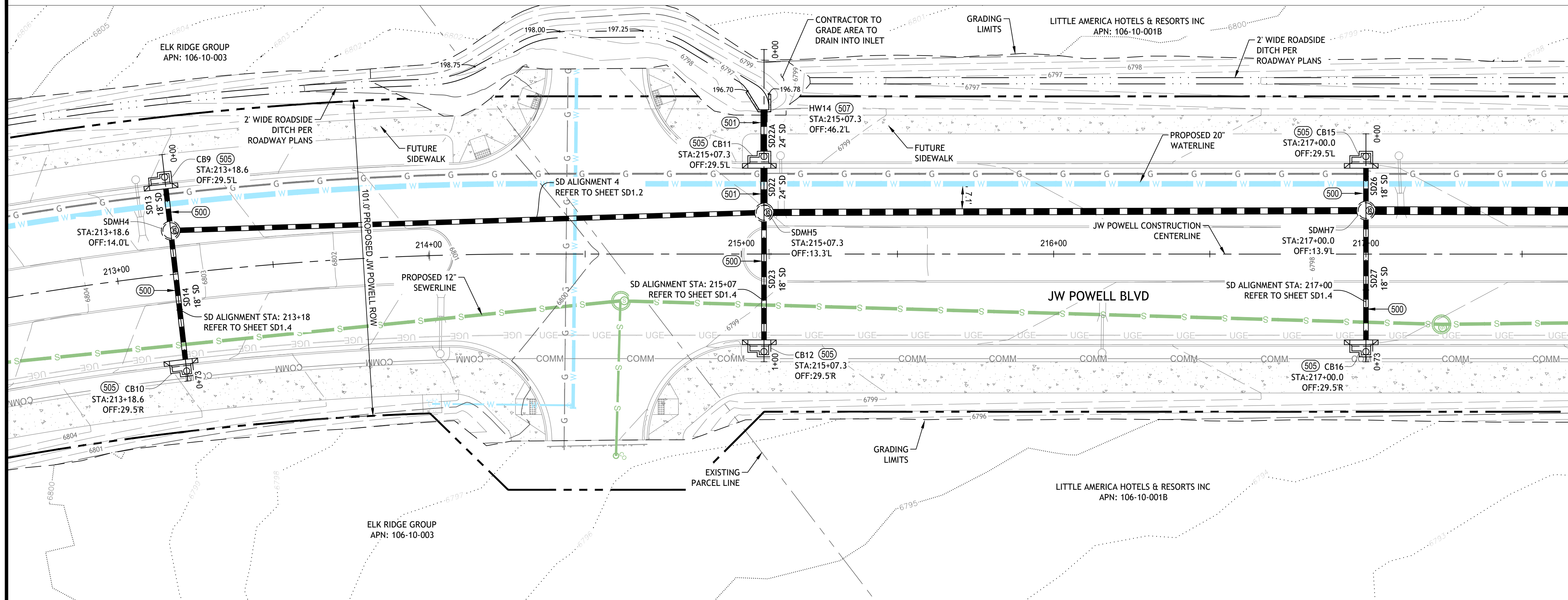
STORMDRAIN PROFILE VIEW 4



90% DESIGN

C:\Users\eric\OneDrive\Desktop\Peak Engineering, Inc. - AZ\JW Powell Extension\Project Files\CAD\PP_SD.dwg, 5/7/2026 11:17:31 AM

JW POWELL STORMDRAIN NETWORK PLAN VIEW



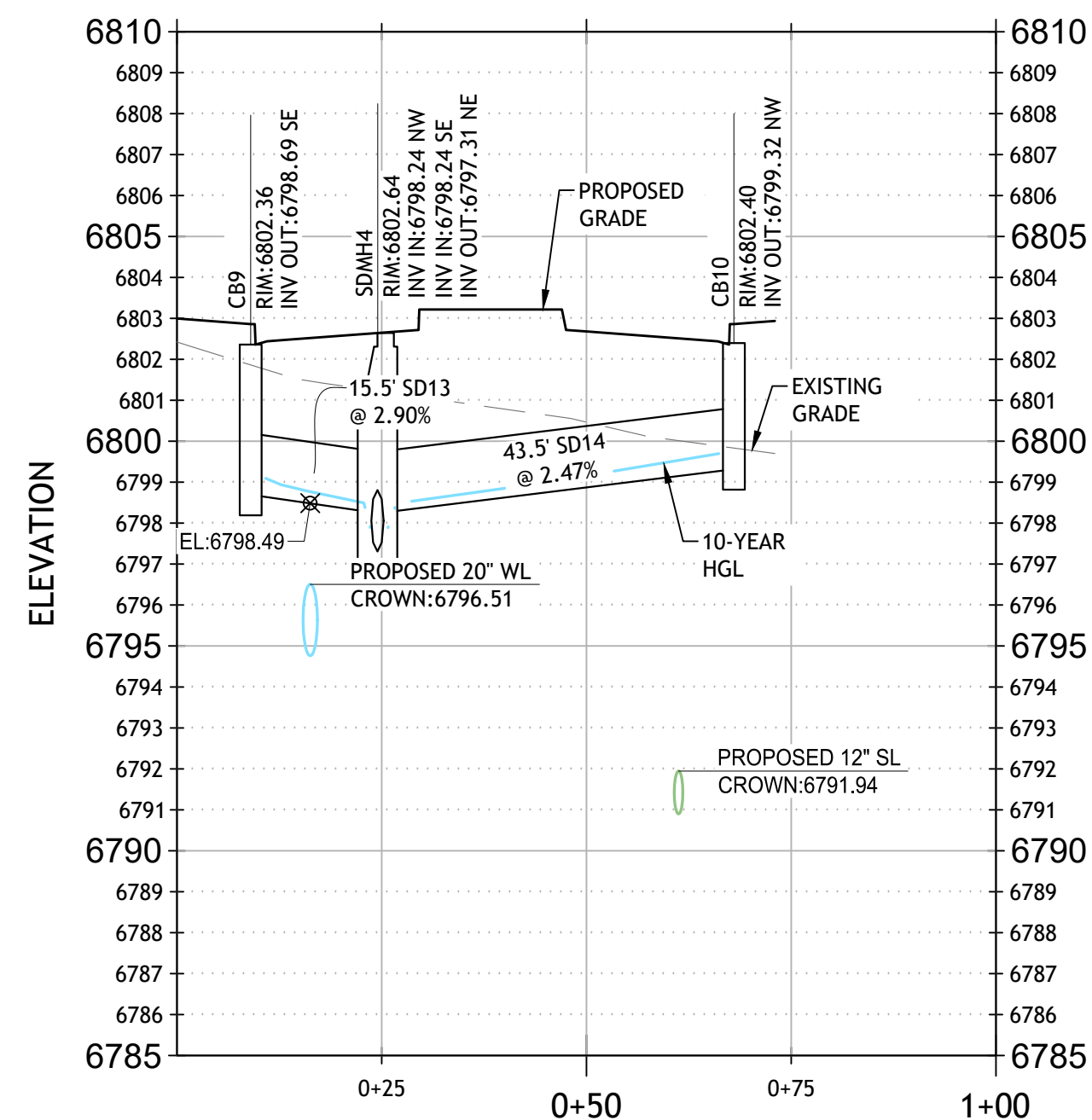
CONSTRUCTION NOTES

- DRAINAGE CONSTRUCTION:**
- (NOTE 500) 160 LF NEW 18" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1.
 - (NOTE 501) 35 LF NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
 - (NOTE 505) 6 EA NEW MAG TYPE 'T' CATCH BASIN. INCLUDES A 3' WING PER MAG STD DTL 542.
 - (NOTE 507) 1 EA NEW CMU OR REINFORCED CONCRETE HEADWALL PER MAG STD DTL 501. DIMENSIONS OF WING WALLS AS SHOWN PER PLAN VIEW.

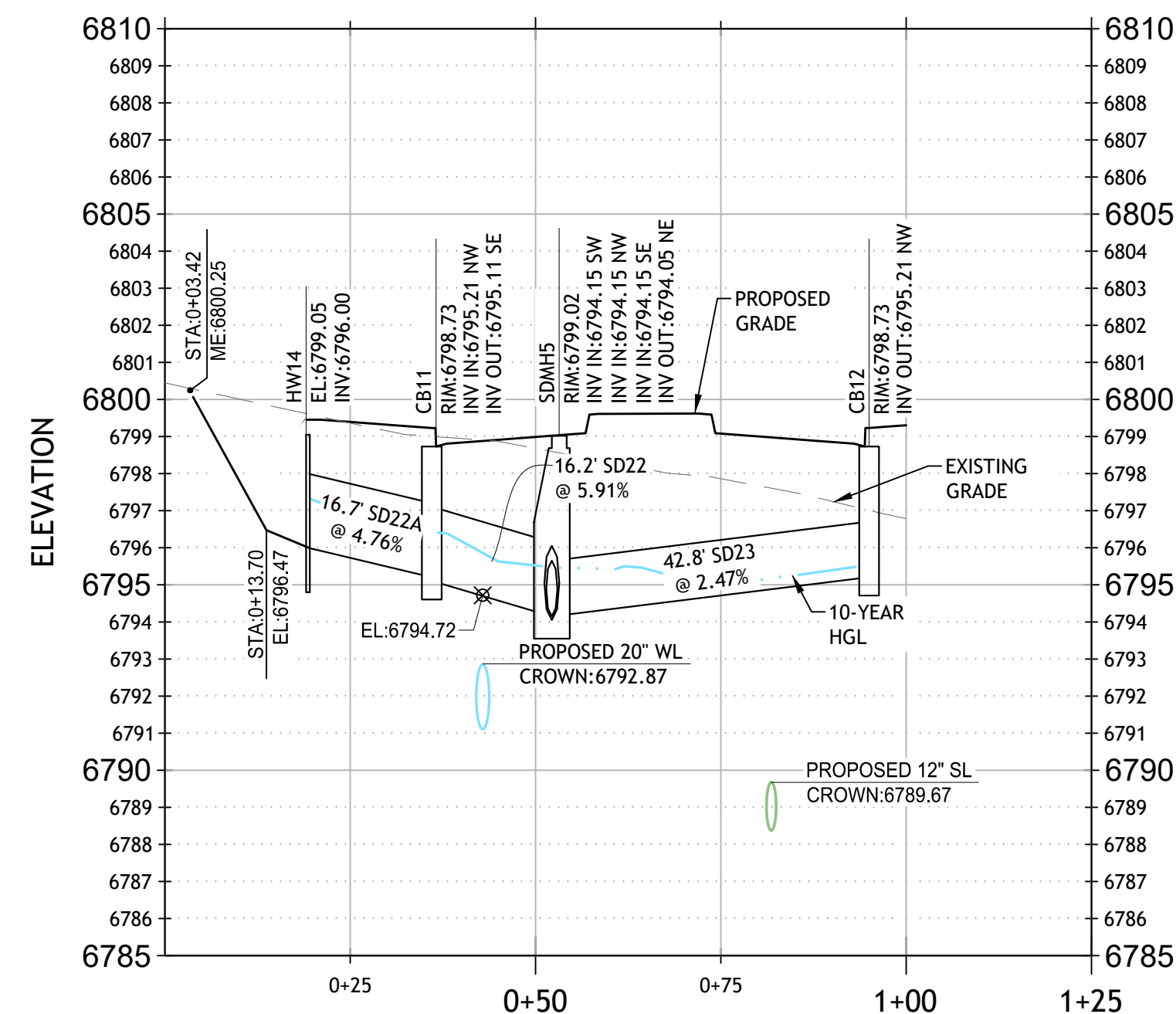


DATE	DESCRIPTION	REVISION

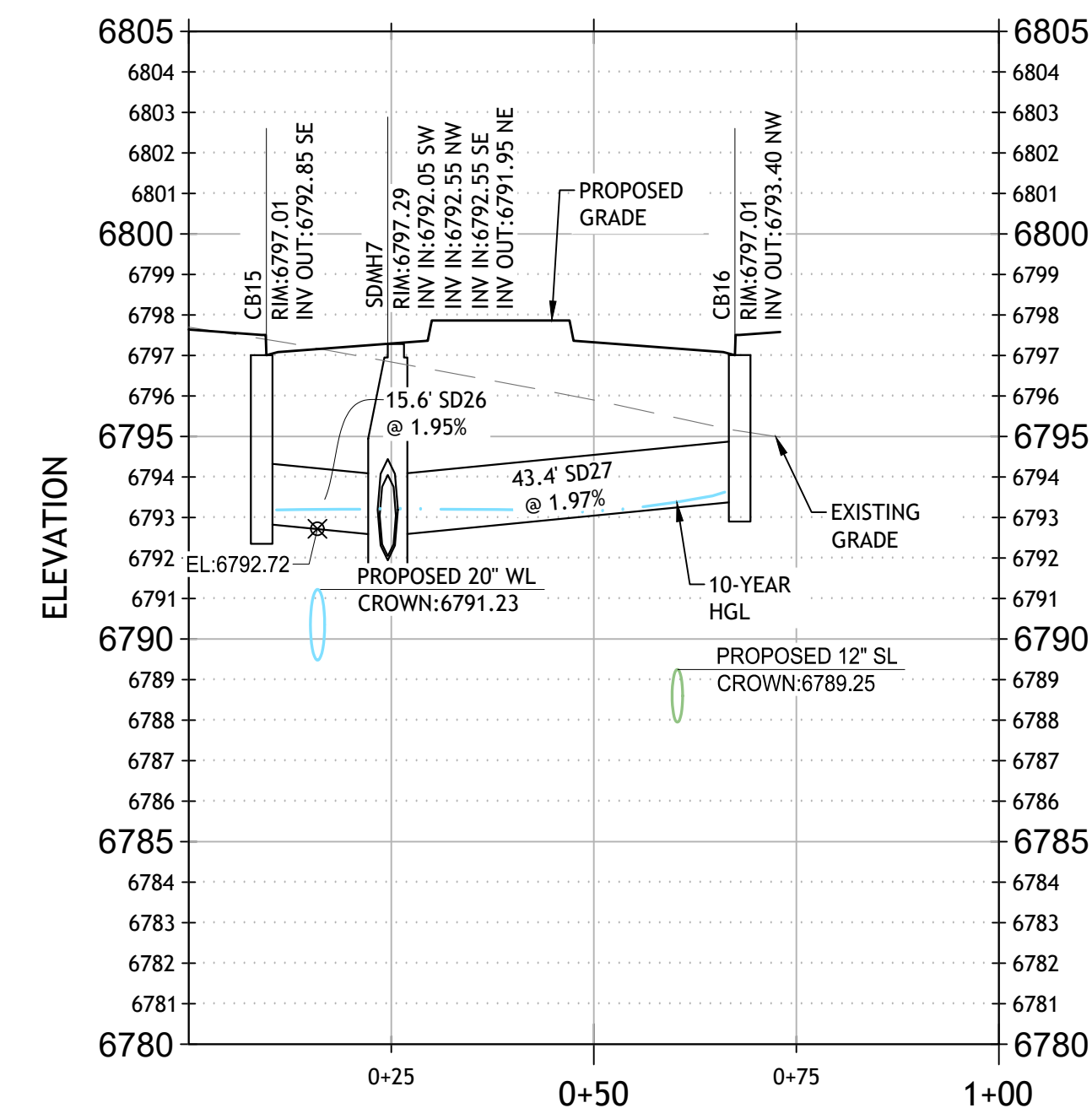
STORMDRAIN PROFILE VIEW STA: 213+18



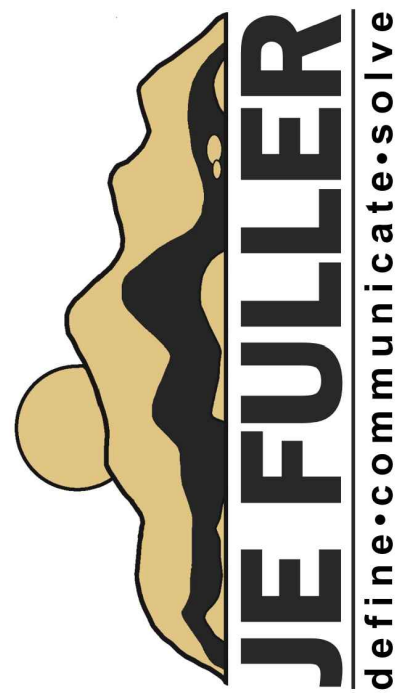
STORMDRAIN PROFILE VIEW STA: 215+07



STORMDRAIN PROFILE VIEW STA: 217+00



3111 N CADEN CT.
SUITE 120
PHOENIX, AZ 85004
(602) 944-0857
WWW.JEFULLER.COM

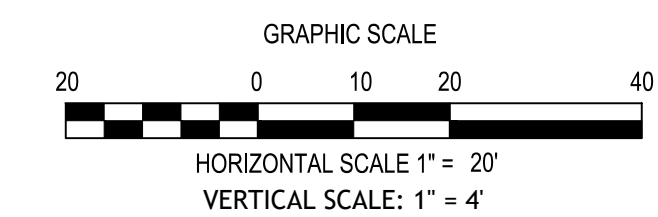
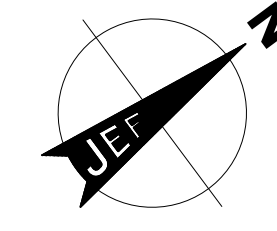


Preliminary
Not For
Construction

CITY OF FLAGSTAFF
JW POWELL EXTENSION
STORMDRAIN NETWORK
PLAN AND PROFILE

BY: EJV
CHECKED: EJV
JOB NO: 17C092
DATE: MAY 2026

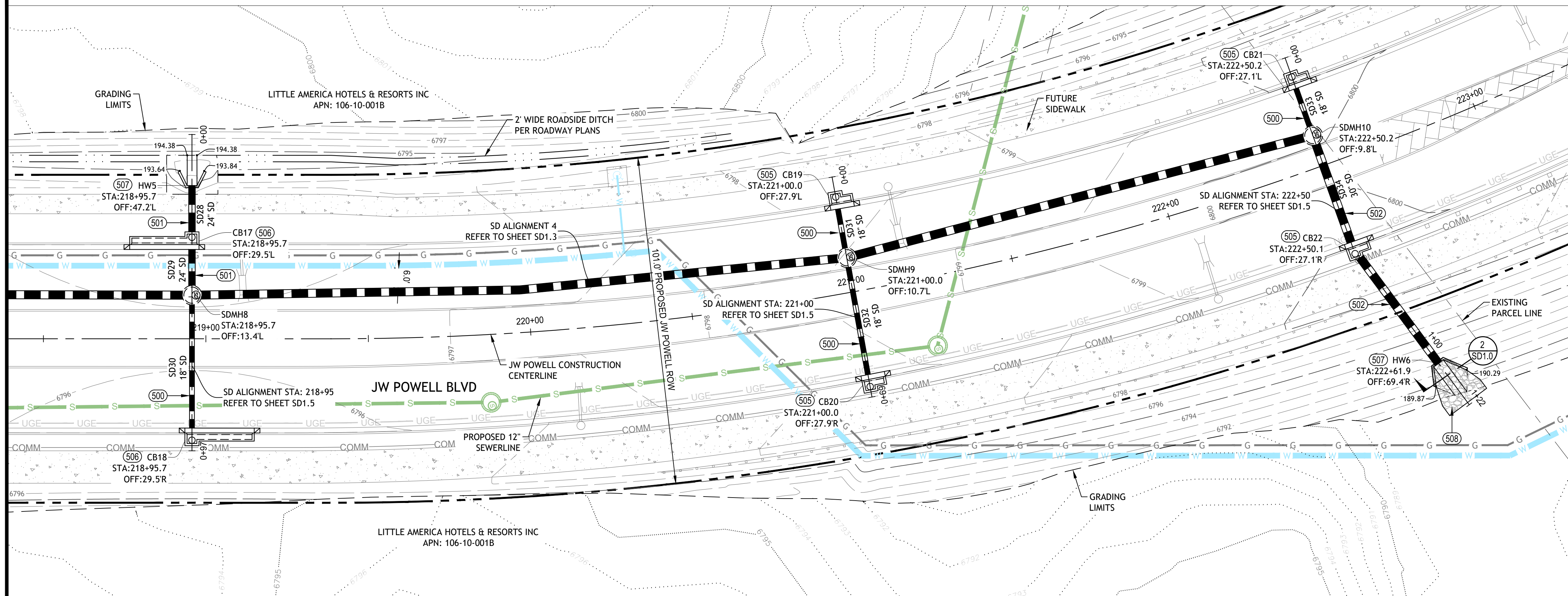
SD1.4



90% DESIGN

C:\Users\eric\OneDrive\Projects\Projects\CAD\PP_SD.dwg, 5/17/2026 11:18:48 AM

JW POWELL STORMDRAIN NETWORK PLAN VIEW



CONSTRUCTION NOTES

DRAINAGE CONSTRUCTION:

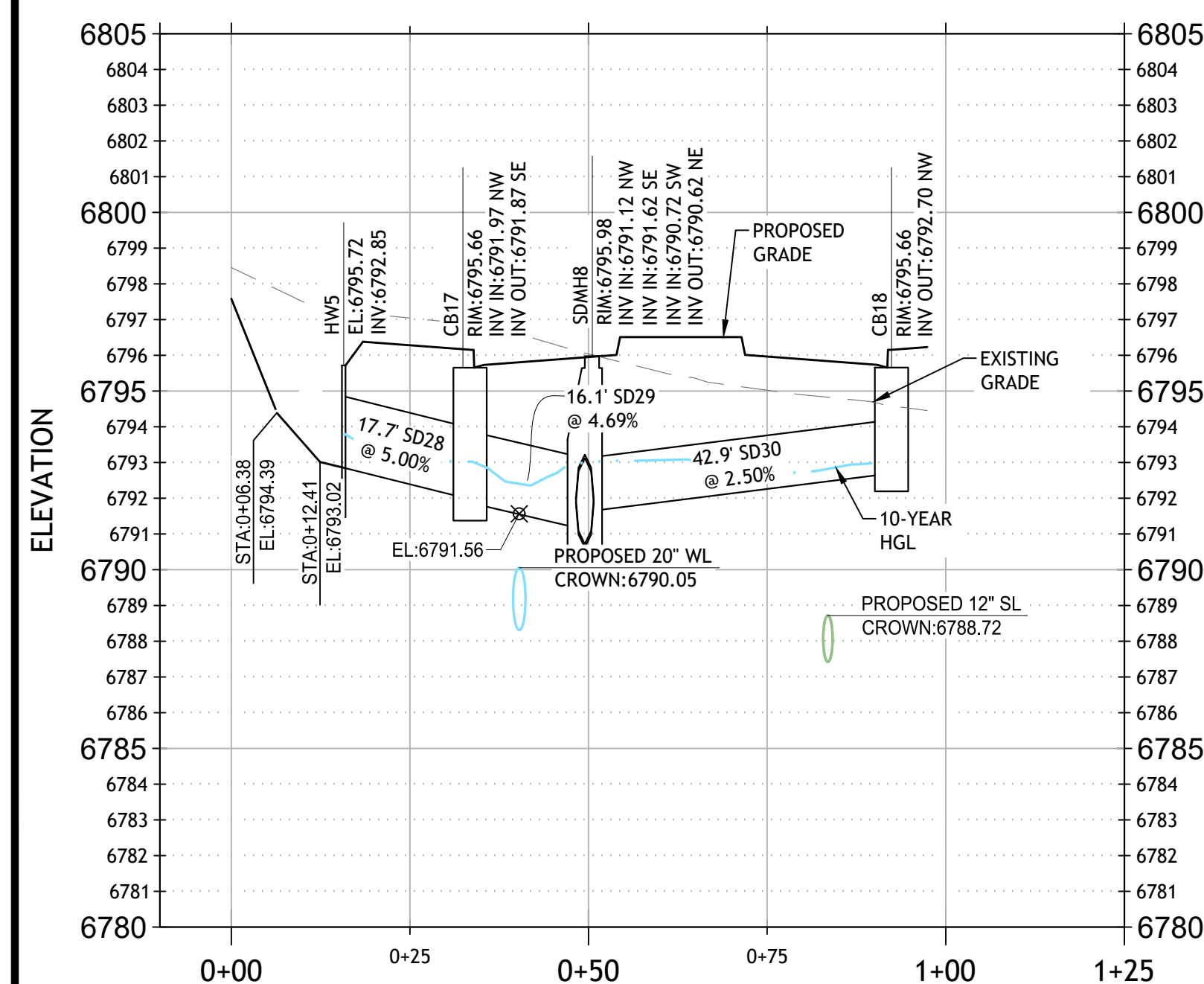
- (NOTE 500) 120 LF NEW 18" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1.
- (NOTE 501) 35 LF NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 502) 85 LF NEW 30" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 505) 4 EA NEW MAG TYPE 'T' CATCH BASIN, INCLUDES A 3' WING PER MAG STD DTL 542.
- (NOTE 506) 2 EA NEW MAG TYPE 'T' CATCH BASIN, INCLUDES A 12' WING PER MAG STD DTL 542.
- (NOTE 507) 2 EA NEW CMU OR REINFORCED CONCRETE HEADWALL PER MAG STD DTL 501. DIMENSIONS OF WING WALLS AS SHOWN PER PLAN VIEW.
- (NOTE 508) 15 CY INSTALL 33" (2.75') THICK D50 = 15' RIPRAP PAD WITH FILTER FABRIC PER DTL 1, SHT SD1.0. APRON DESIGN TO BE A FAN SHAPE WITH A 1:3 EXPANSION RATIO.



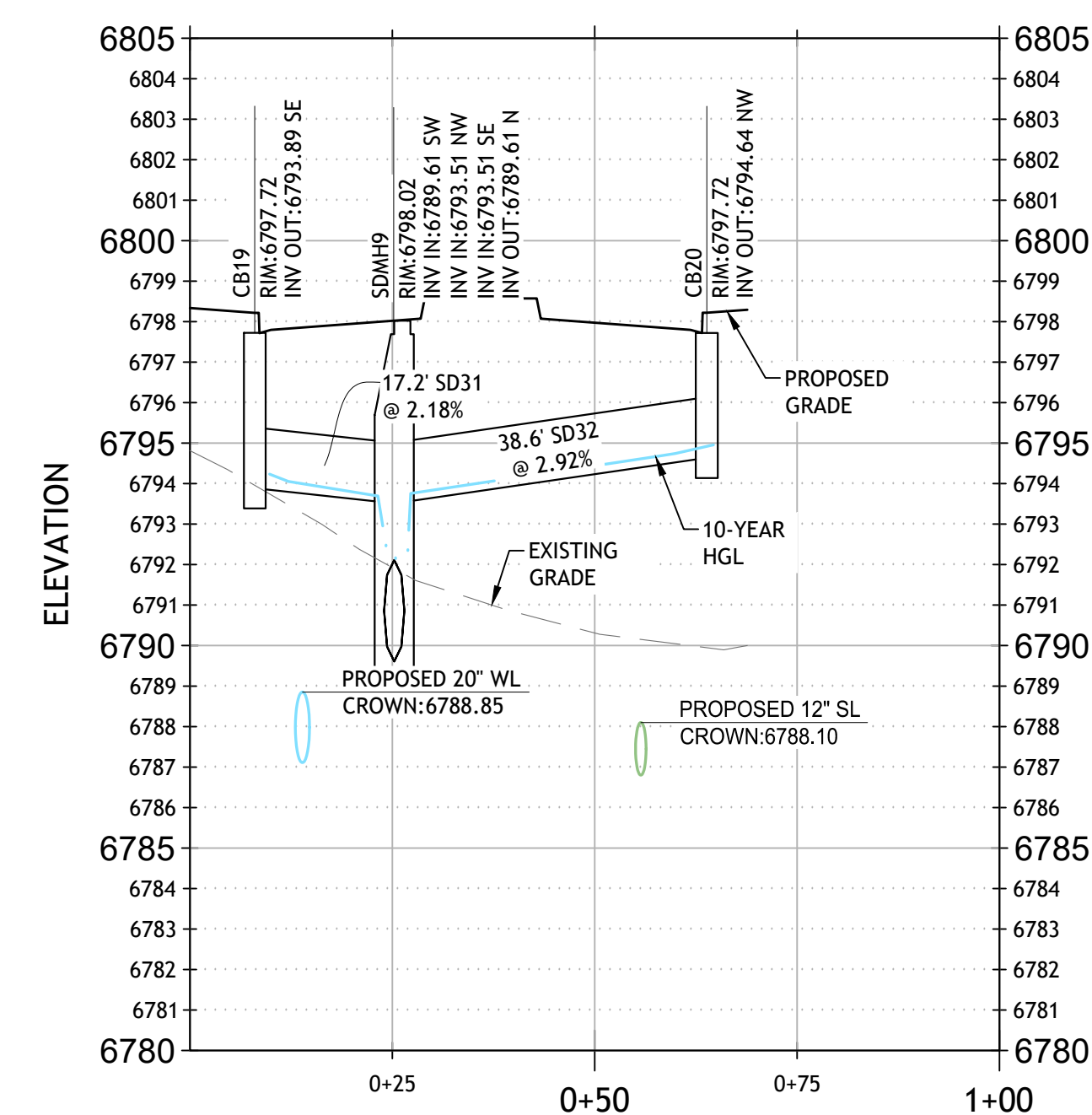
DATE	DESCRIPTION
REVISION	DESCRIPTION

3111 N CADEN CT.
SUITE 120
PHOENIX, AZ 85004
(602) 944-0857
WWW.JEFULLER.COM

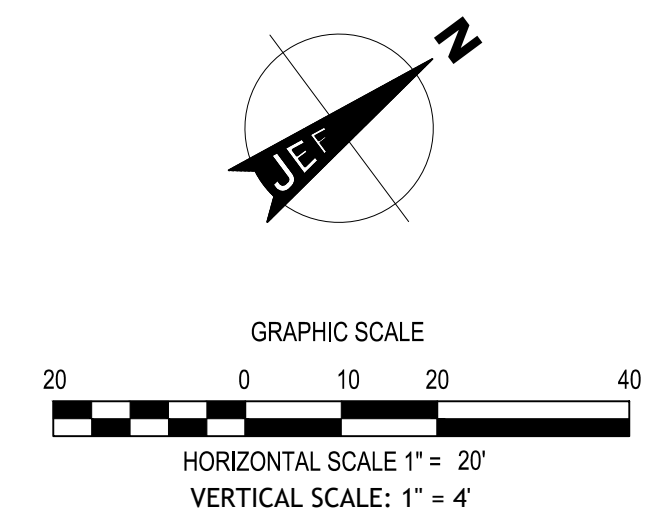
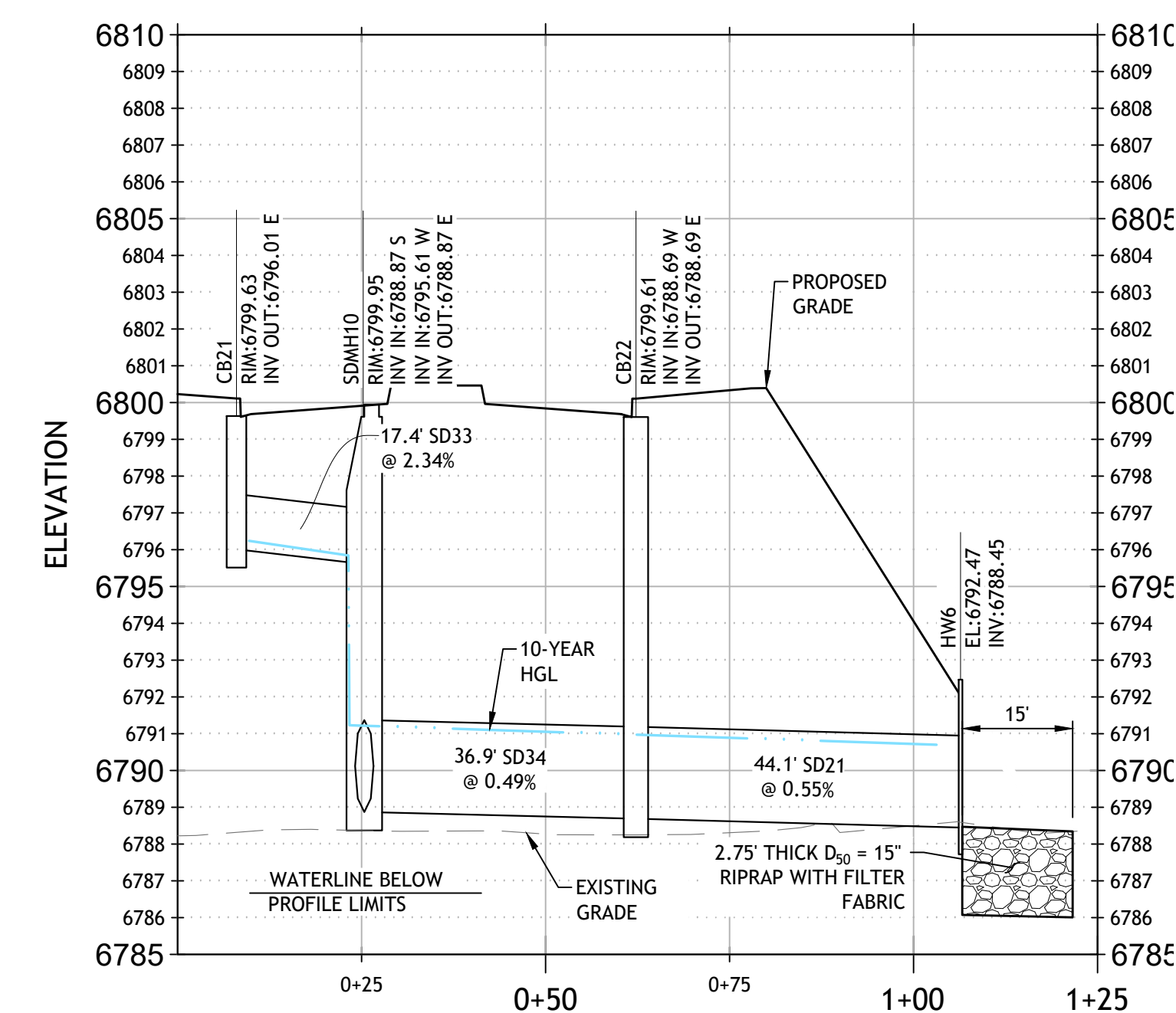
STORMDRAIN PROFILE VIEW STA: 218+95



STORMDRAIN PROFILE VIEW STA: 221+00



STORMDRAIN PROFILE VIEW STA: 222+50



Preliminary Construction Not For Construction

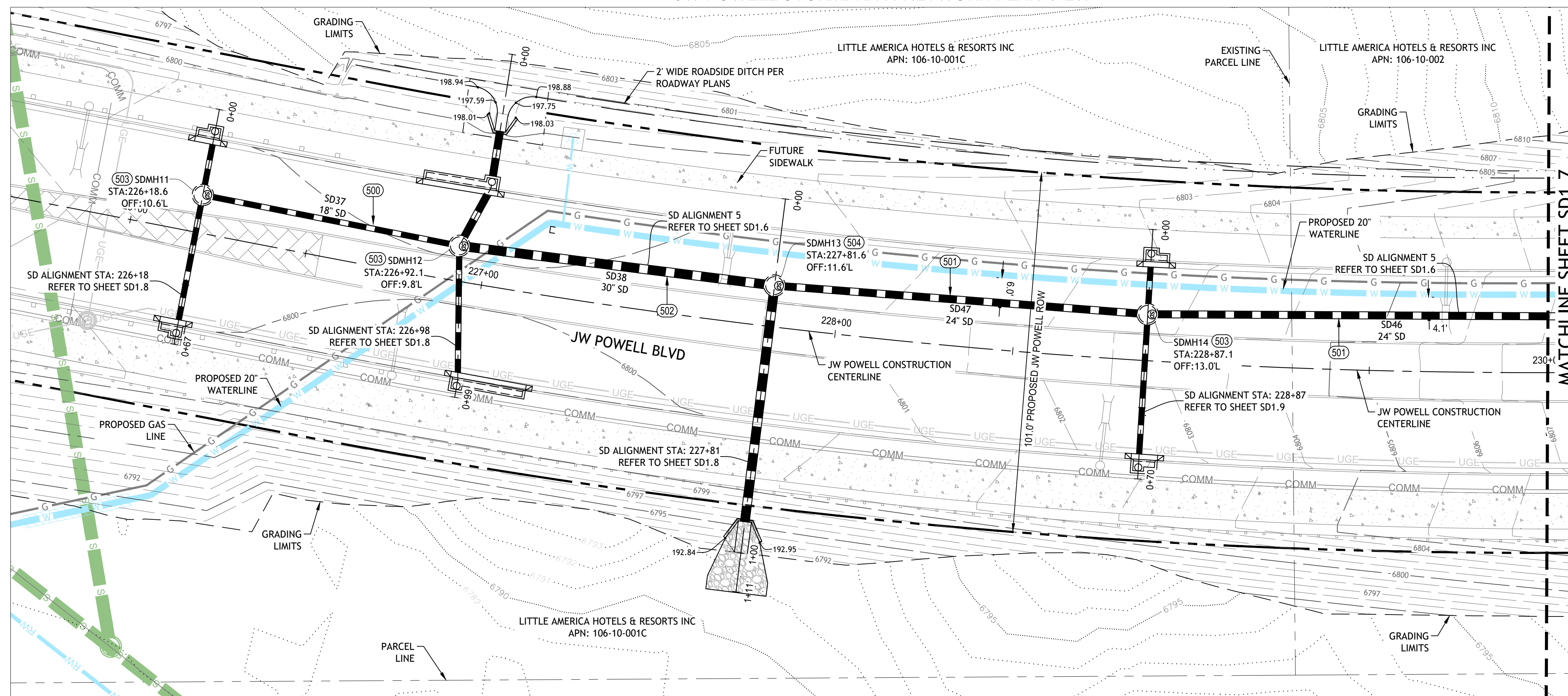
CITY OF FLAGSTAFF
JW POWELL EXTENSION
STORMDRAIN NETWORK
PLAN AND PROFILE

JOB NO: 17C0F02
DATE: MAY 2026
BY: JMW
CHECKED: JMW

SD1.5

90% DESIGN

JW POWELL STORMDRAIN NETWORK PLAN VIEW



CONSTRUCTION NOTES

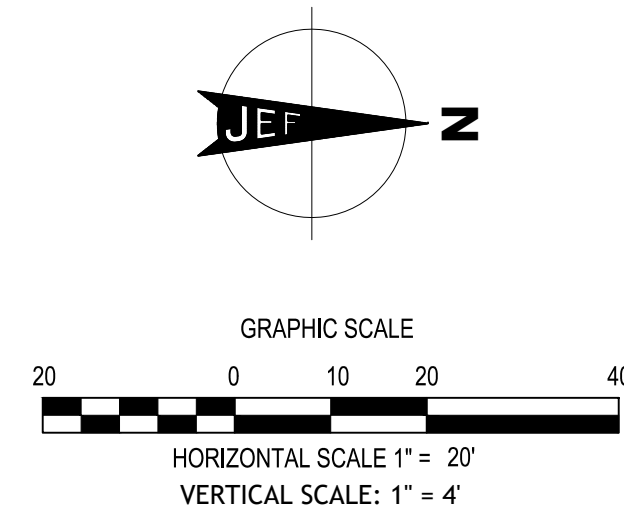
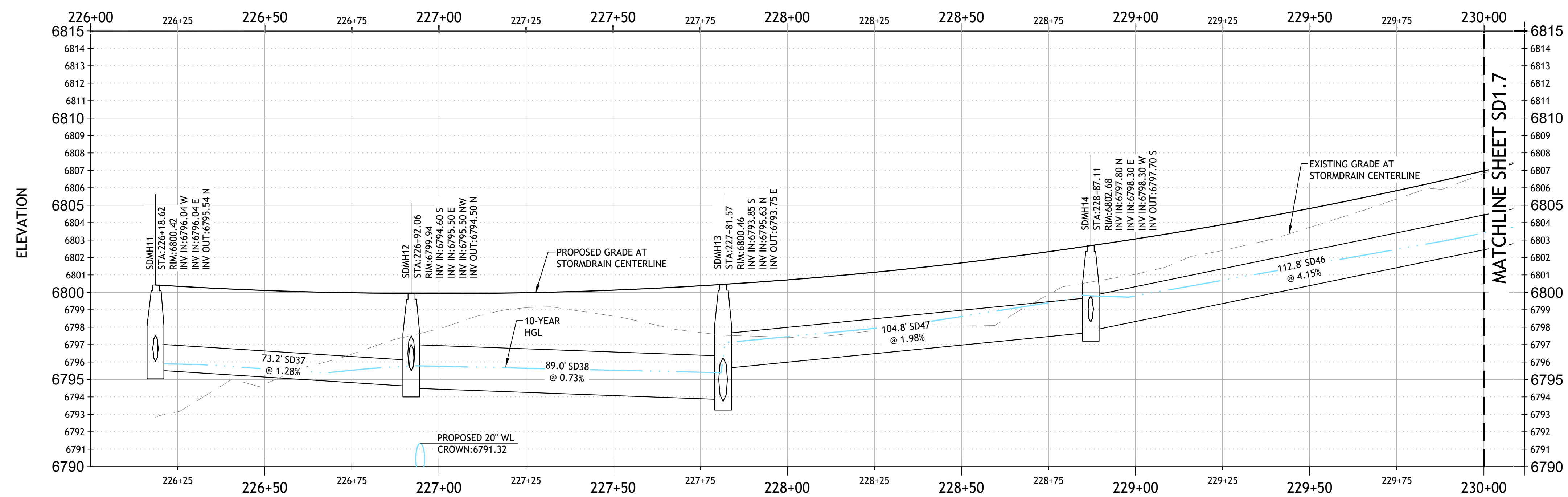
DRAINAGE CONSTRUCTION:

- (NOTE 500) 75 LF
NEW 18" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1.
- (NOTE 501) 220 LF
NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 502) 90 LF
NEW 30" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 503) 3 EA
NEW 60" STORMDRAIN MANHOLE PER MAG STD DTL S 520 & 522.
- (NOTE 504) 1 EA
NEW 72" ADS BARRACUDA MAX S6 MANHOLE PER ADS STD DTL BARRACUDA MAX STORMWATER SEPARATOR.

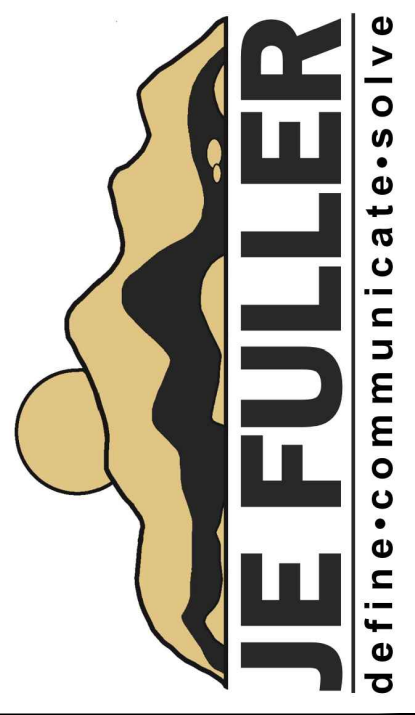


DATE	DESCRIPTION	REVISION

STORMDRAIN PROFILE VIEW 5



3111 N. CADEN CT.
SUITE 120
PHOENIX, AZ 85004
(602) 944-0857
WWW.JEFULLER.COM



Preliminary
Not For
Construction

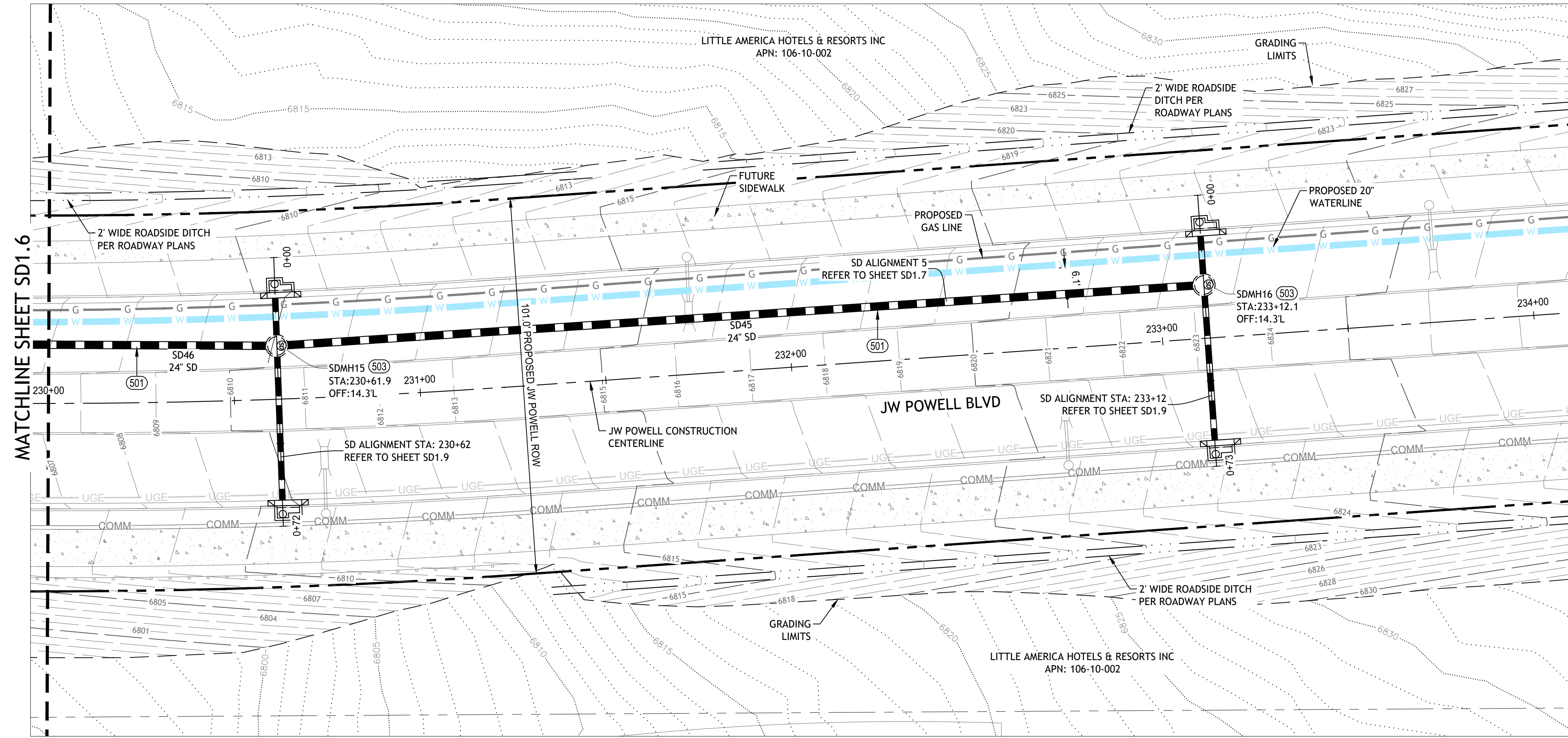
CITY OF FLAGSTAFF
JW POWELL EXTENSION
STORMDRAIN NETWORK
PLAN AND PROFILE
JOB NO: 17C092 BY: EJV CHECKED: EJV
DATE: MAY 2026

SD1.6

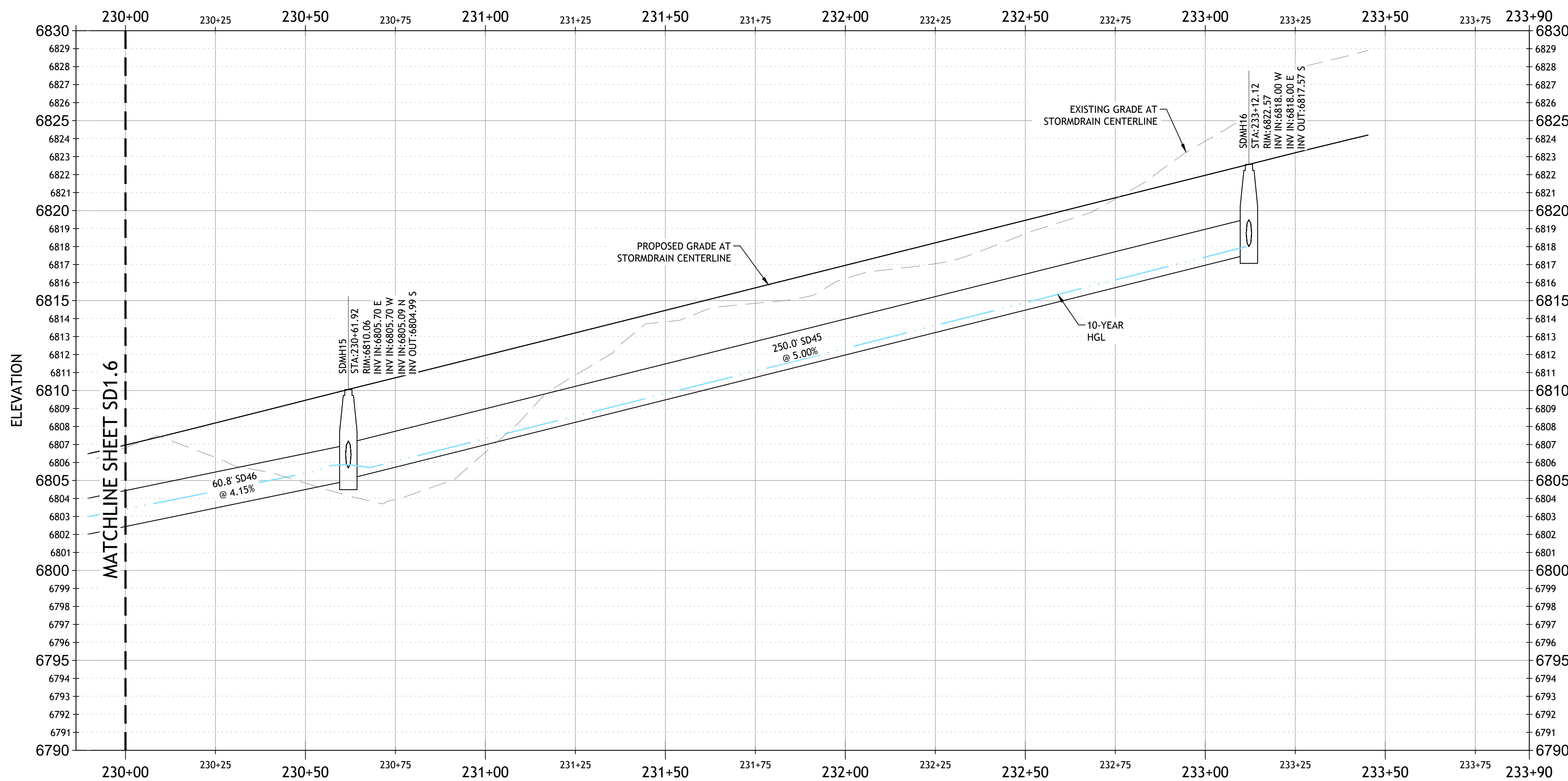
90% DESIGN

C:\Users\eric\OneDrive\Work\Projects\Projects\CAD\PP_SD.dwg, 5/17/2026 11:16:08 AM

JW POWELL STORMDRAIN NETWORK PLAN VIEW



STORMDRAIN PROFILE VIEW 5



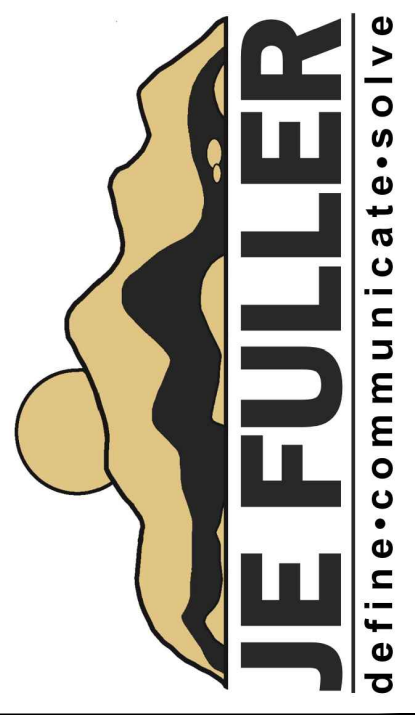
CONSTRUCTION NOTES

DRAINAGE CONSTRUCTION:
 (NOTE 501) 310 LF
 NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER
 ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
 (NOTE 503) 2 EA
 NEW 60" STORMDRAIN MANHOLE PER MAG STD DTL'S 520 & 522.



DATE	DESCRIPTION	REVISION

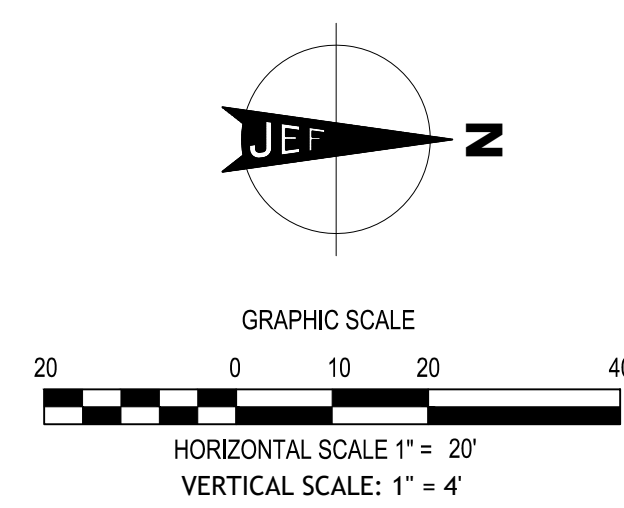
3111 N CADEN CT.
 SUITE 120
 GUSTINE, AZ 86004
 (928) 44-0857
 WWW.JEFULLER.COM



Preliminary
 Not For
 Construction

CITY OF FLAGSTAFF	BY: EJV	CHECKED: EJV
JW POWELL EXTENSION	JOB NO: 17COP02	DATE: MAY 2026
STORMDRAIN NETWORK		
PLAN AND PROFILE		

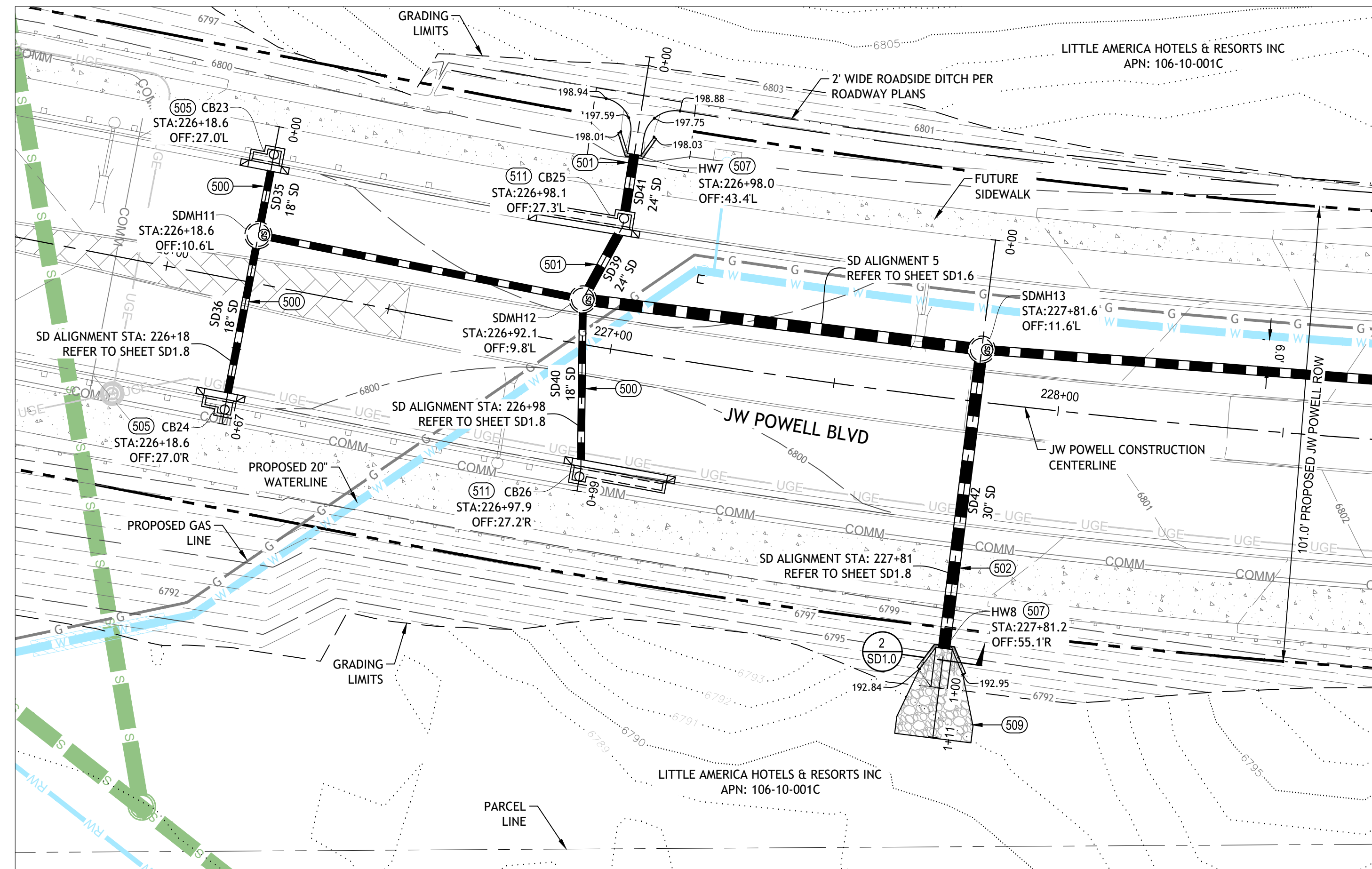
SD1.7



90% DESIGN

C:\Users\eric\OneDrive\Work\Projects\Flagstaff\JW Powell Extension\Project Files\CAD\PP_SD.dwg, 5/7/2026 11:15:28 AM

JW POWELL STORMDRAIN NETWORK PLAN VIEW



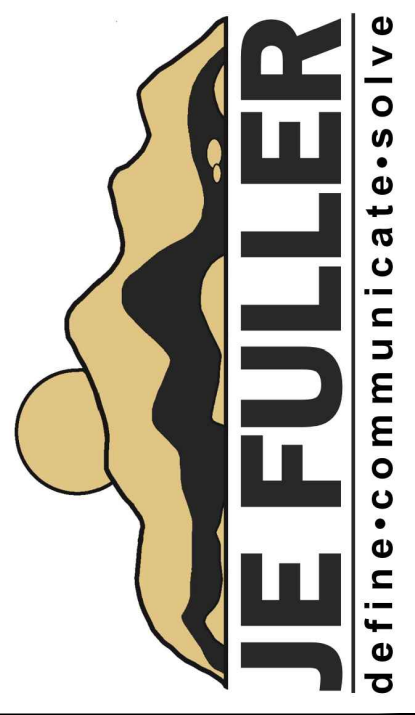
CONSTRUCTION NOTES

DRAINAGE CONSTRUCTION:

- (NOTE 500) 95 LF NEW 18" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1.
- (NOTE 501) 35 LF NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 502) 70 LF NEW 30" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 505) 2 EA NEW MAG TYPE 'T' CATCH BASIN, INCLUDES A 3' WING PER MAG STD DTL 542.
- (NOTE 507) 2 EA NEW CMU OR REINFORCED CONCRETE HEADWALL PER MAG STD DTL 501. DIMENSIONS OF WING WALLS AS SHOWN PER PLAN VIEW.
- (NOTE 509) 15 CY INSTALL 33" (2.75') THICK D50 = 15' GROUDED RIPRAP PAD PER MAG SECTION 220 AND THE ADDITIONAL CRITERIA AS OUTLINED IN SECTION 5.3.7.7 - CHANNEL LININGS PER CITY OF FLAGSTAFF 2025 SMDM. APRON DESIGN TO BE A FAN SHAPE WITH A 1:3 EXPANSION RATIO.
- (NOTE 511) 2 EA NEW MAG TYPE 'T' CATCH BASIN, INCLUDES 14" WING PER MAG STD DTL 542.

DATE	DESCRIPTION	REVISION

3111 N CADEN CT.
 SUITE 120
 PHOENIX, AZ 85004
 (602) 944-0857
 WWW.JEFULLER.COM



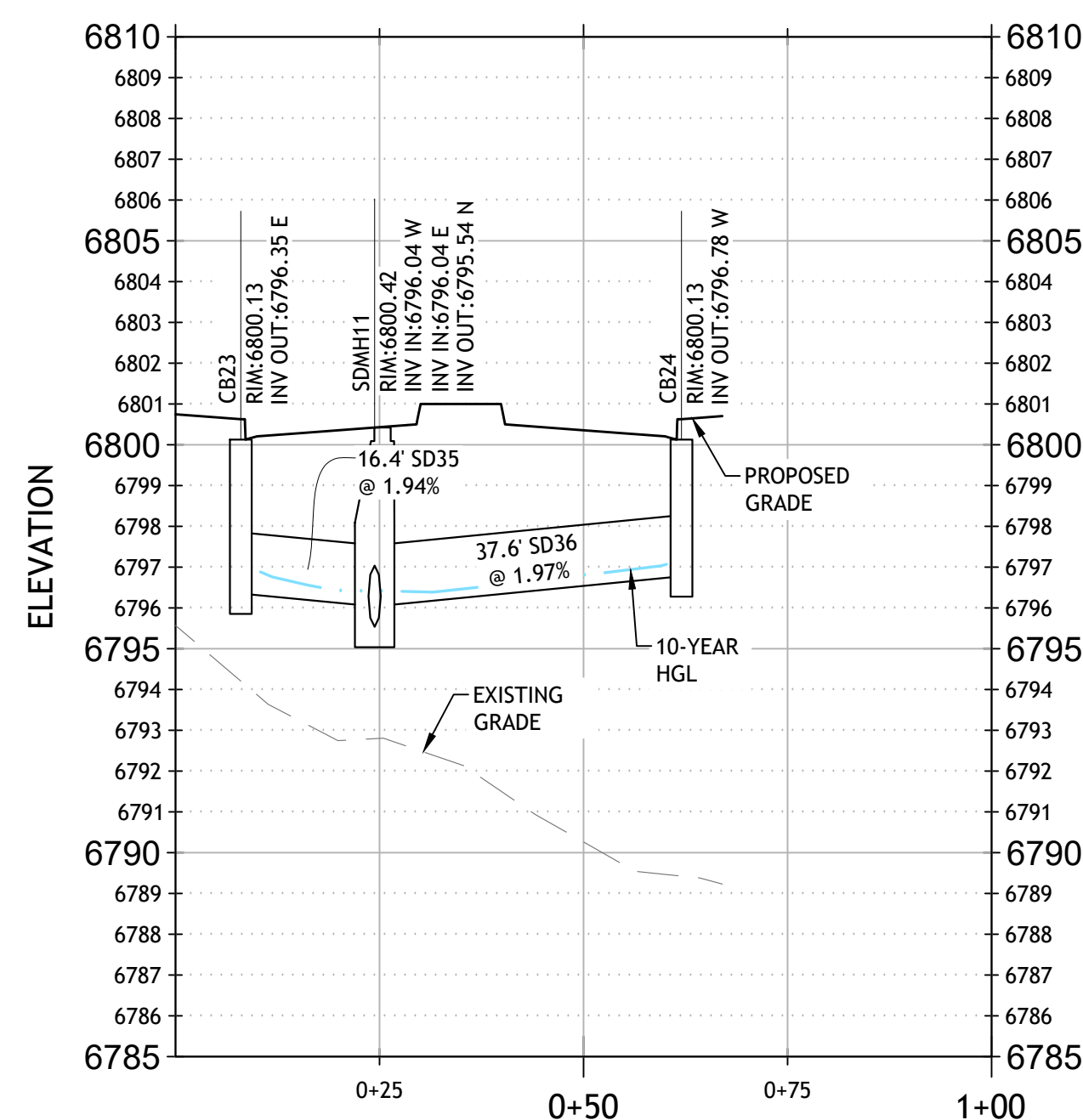
Preliminary
 Not For
 Construction

CITY OF FLAGSTAFF JW POWELL EXTENSION STORMDRAIN NETWORK PLAN AND PROFILE	BY: JMW	CHECKED: JMW
	JOB NO: 17C0F02	DATE: MAY 2026

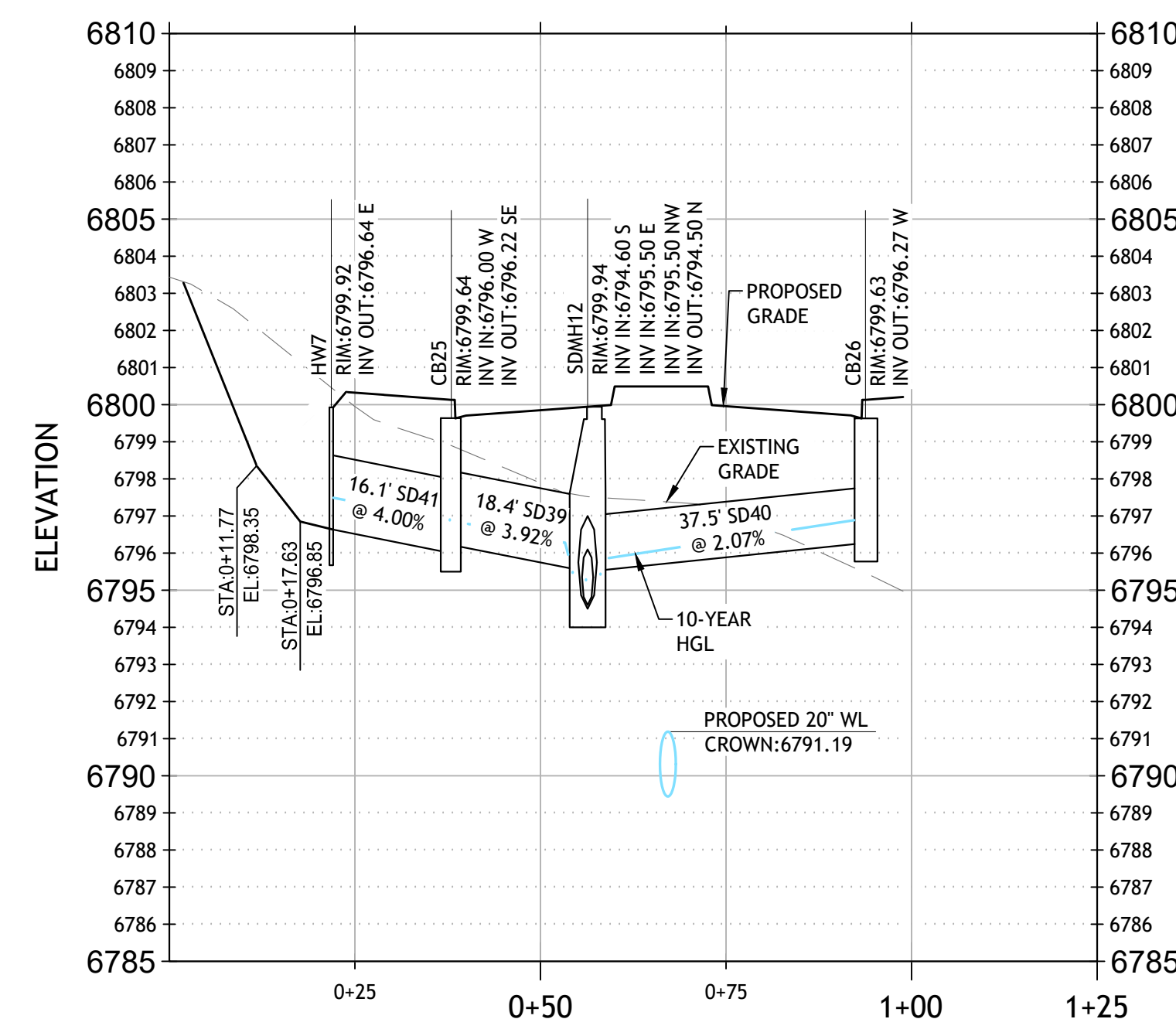
SD1.8

90% DESIGN

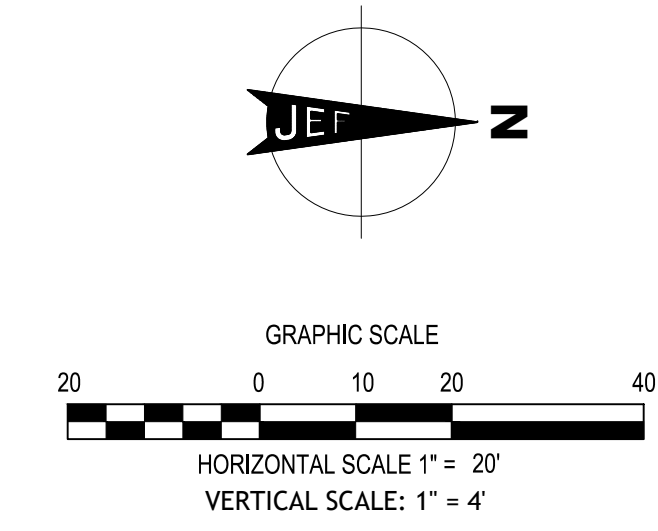
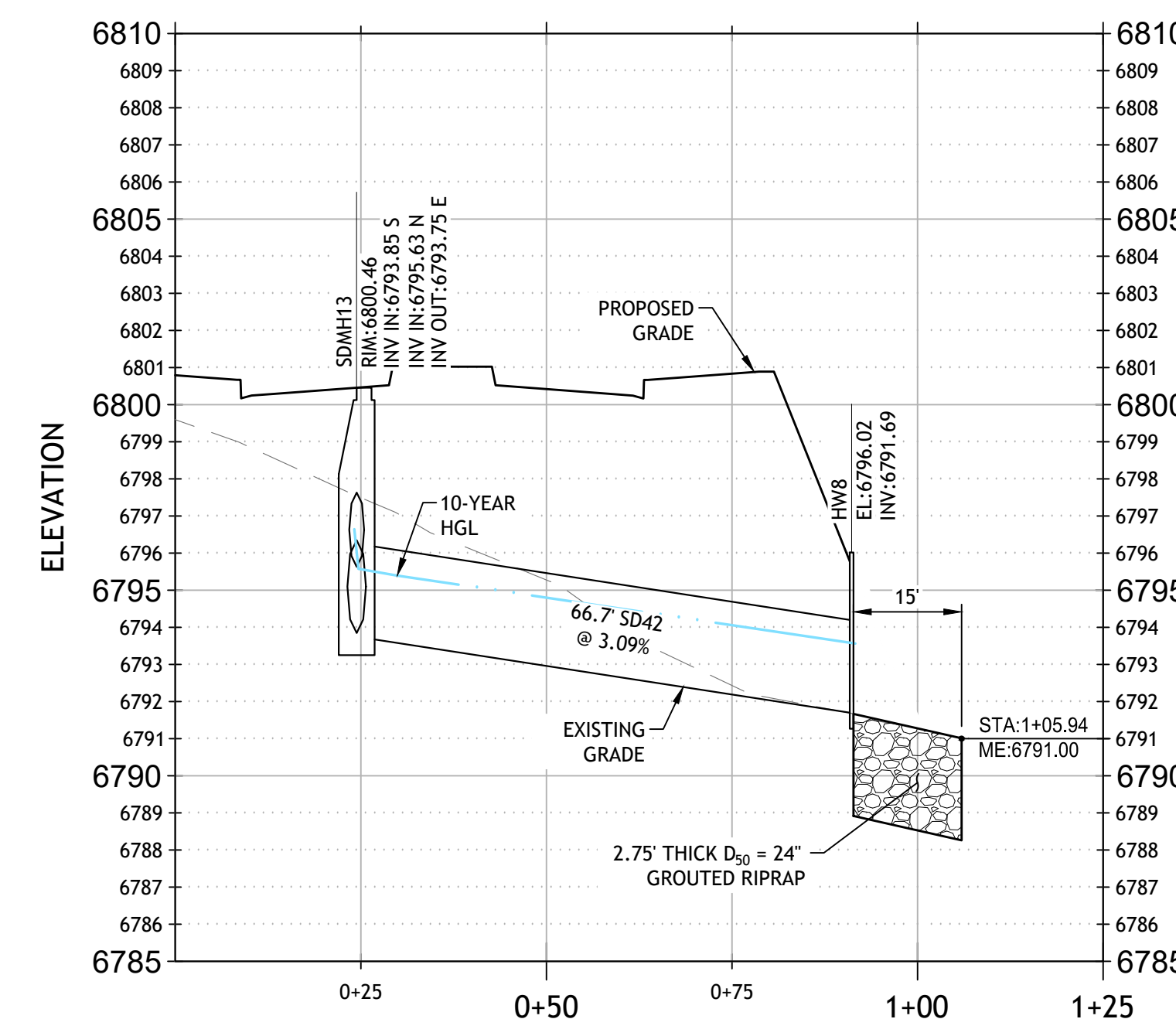
STORMDRAIN PROFILE VIEW STA: 226+18



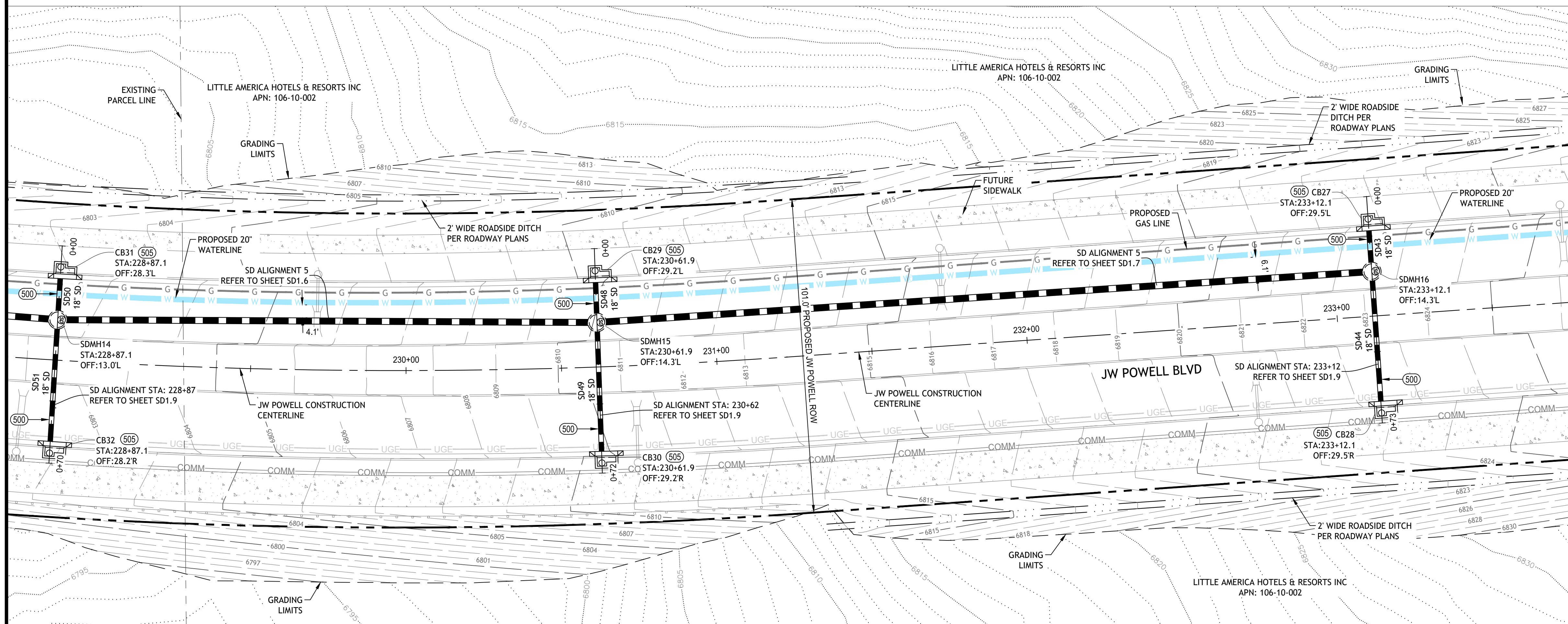
STORMDRAIN PROFILE VIEW STA: 226+98



STORMDRAIN PROFILE VIEW STA: 227+81



JW POWELL STORMDRAIN NETWORK PLAN VIEW



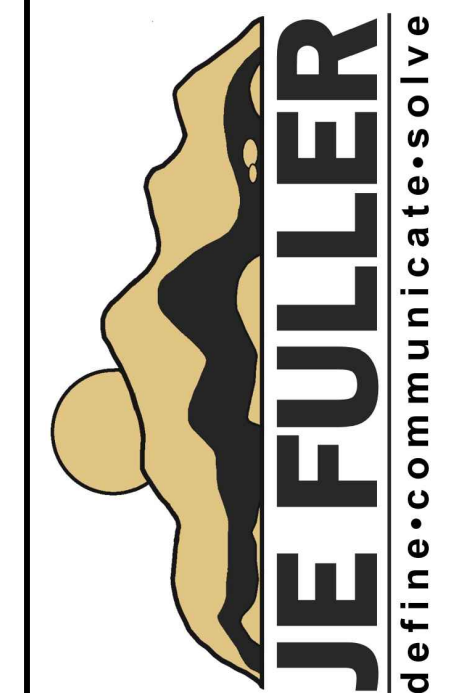
CONSTRUCTION NOTES

DRAINAGE CONSTRUCTION:
 (NOTE 500) 175 LF
 NEW 18" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER
 ADS TECHNICAL NOTE 2.04, FIGURE 1.
 (NOTE 505) 6 EA
 NEW MAG TYPE T CATCH BASIN, INCLUDES A 3' WING PER MAG STD DTL 542.



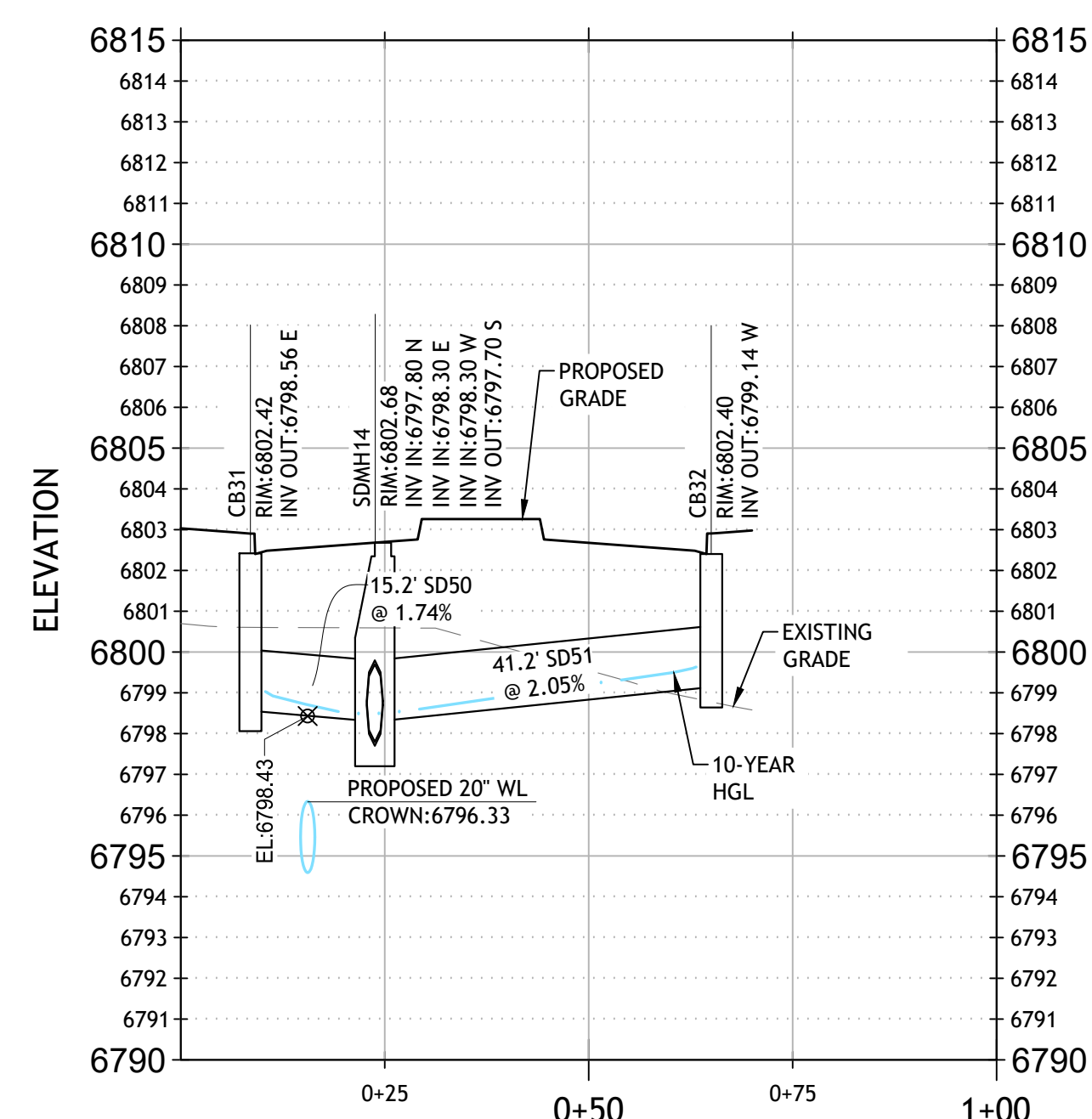
DATE	DESCRIPTION	REVISION

3111 N CADEN CT.
 SUITE 120
 PHOENIX, AZ 85004
 (602) 944-0857
 WWW.JEFULLER.COM

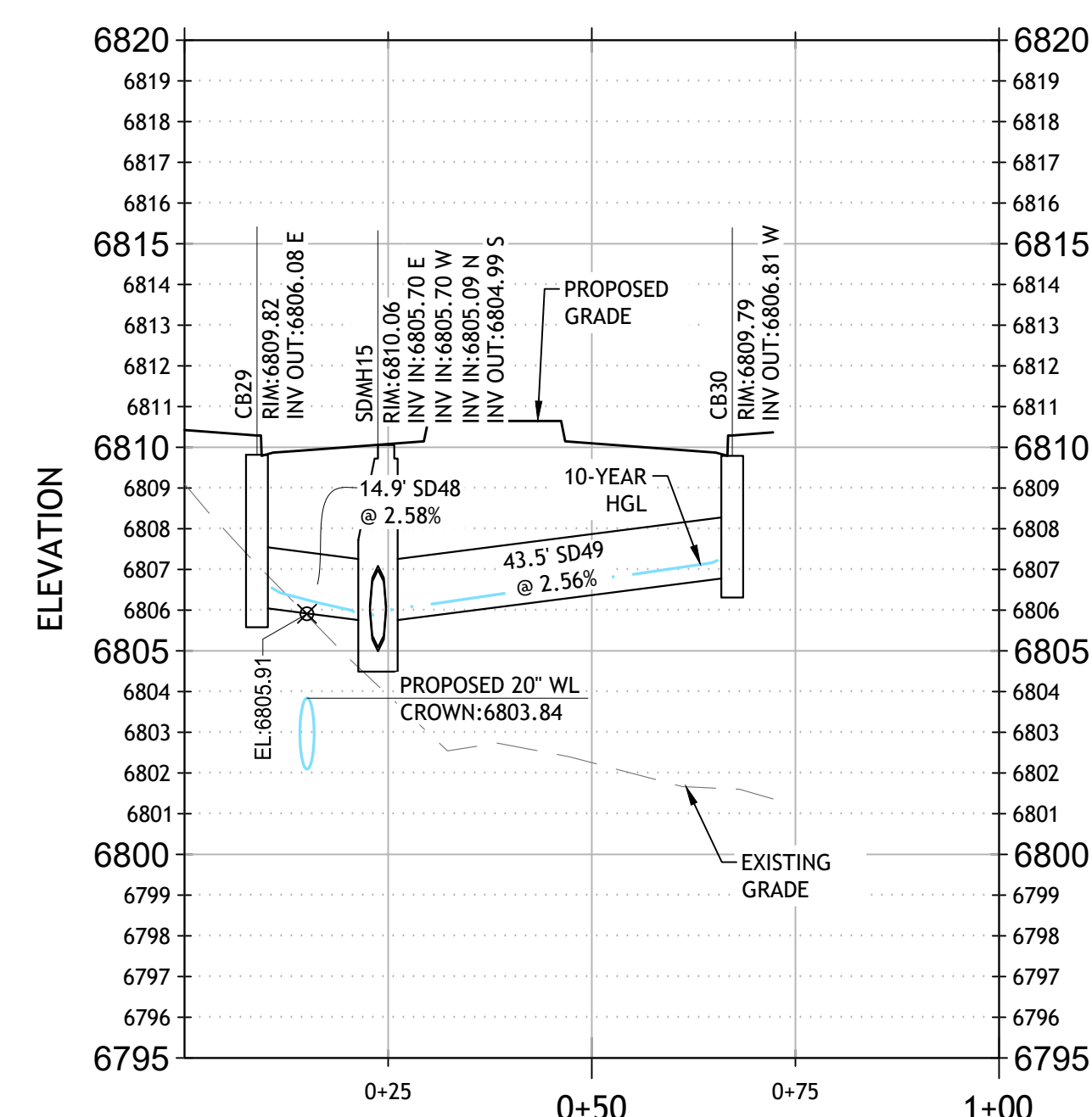


Preliminary
 Not For
 Construction

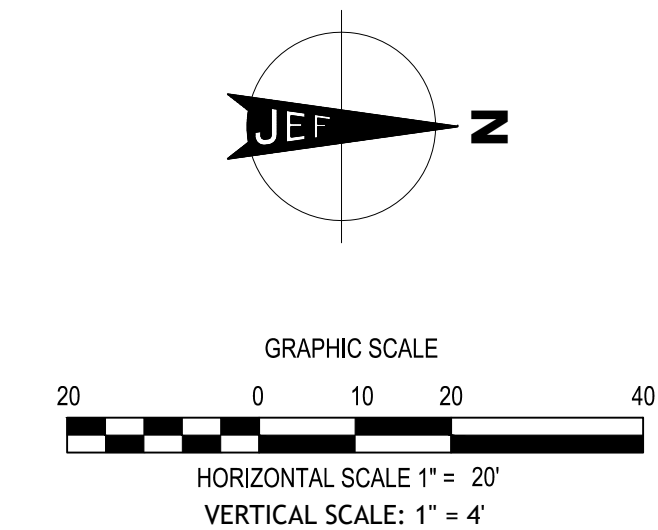
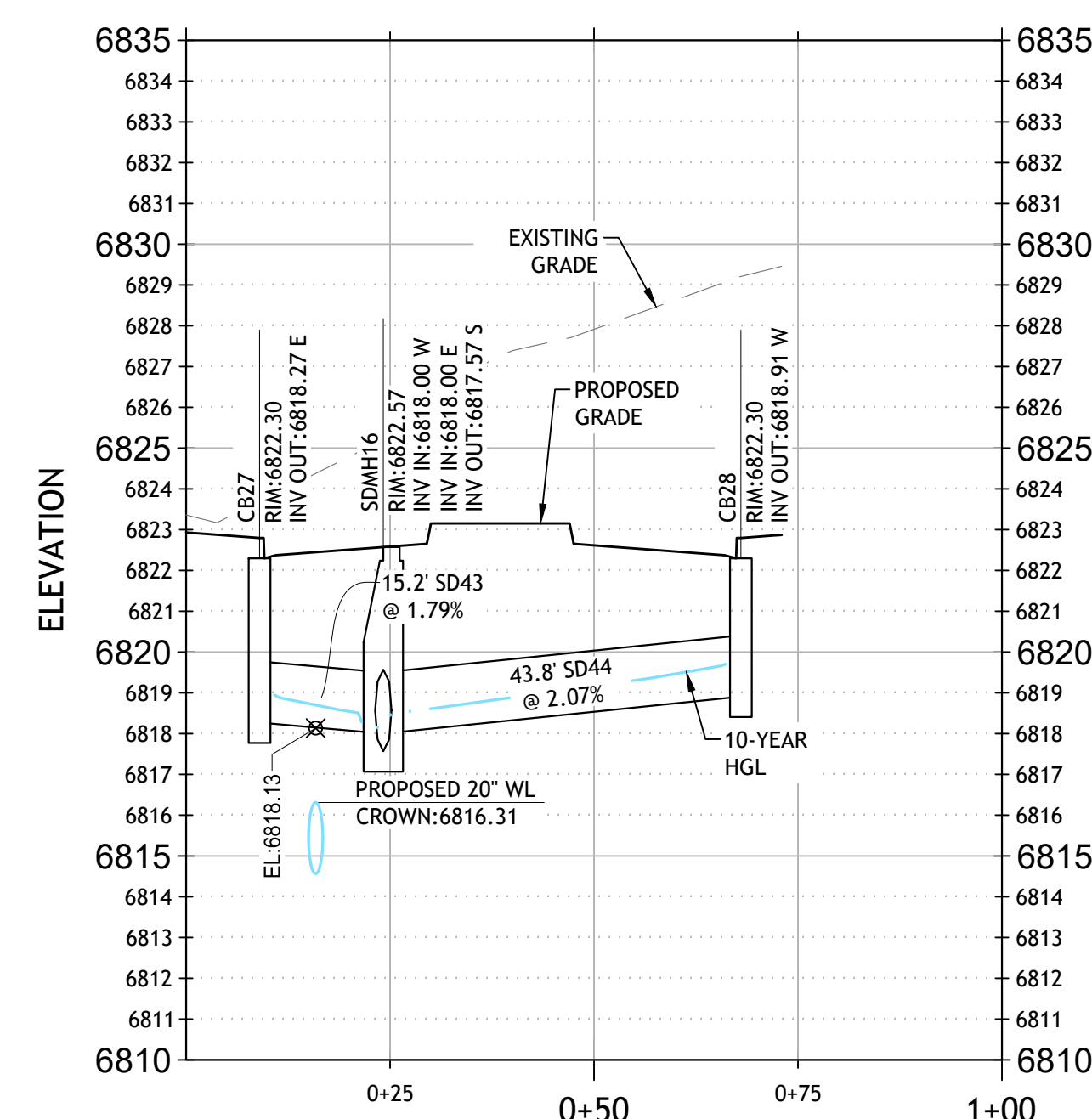
STORMDRAIN PROFILE VIEW STA: 228+87



STORMDRAIN PROFILE VIEW STA: 230+62



STORMDRAIN PROFILE VIEW STA: 233+12



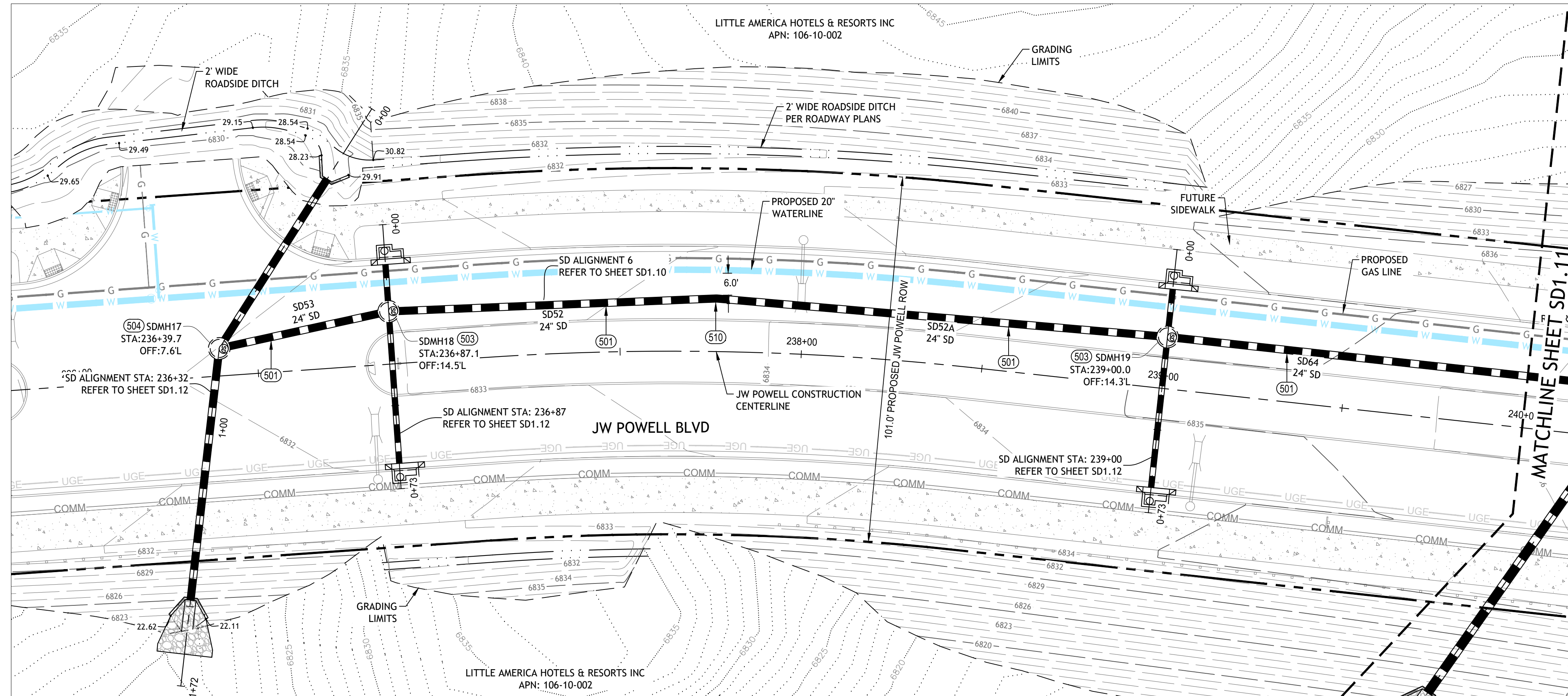
CITY OF FLAGSTAFF
 JW POWELL EXTENSION
 STORMDRAIN NETWORK
 PLAN AND PROFILE

JOB NO: 17C092
 DATE: MAY 2026
 BY: EJV
 CHECKED: EJV

SD1.9

90% DESIGN

JW POWELL STORMDRAIN NETWORK PLAN VIEW



CONSTRUCTION NOTES

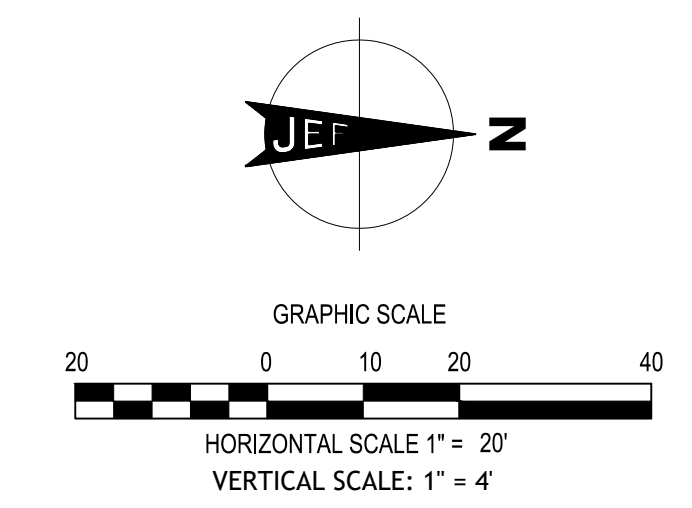
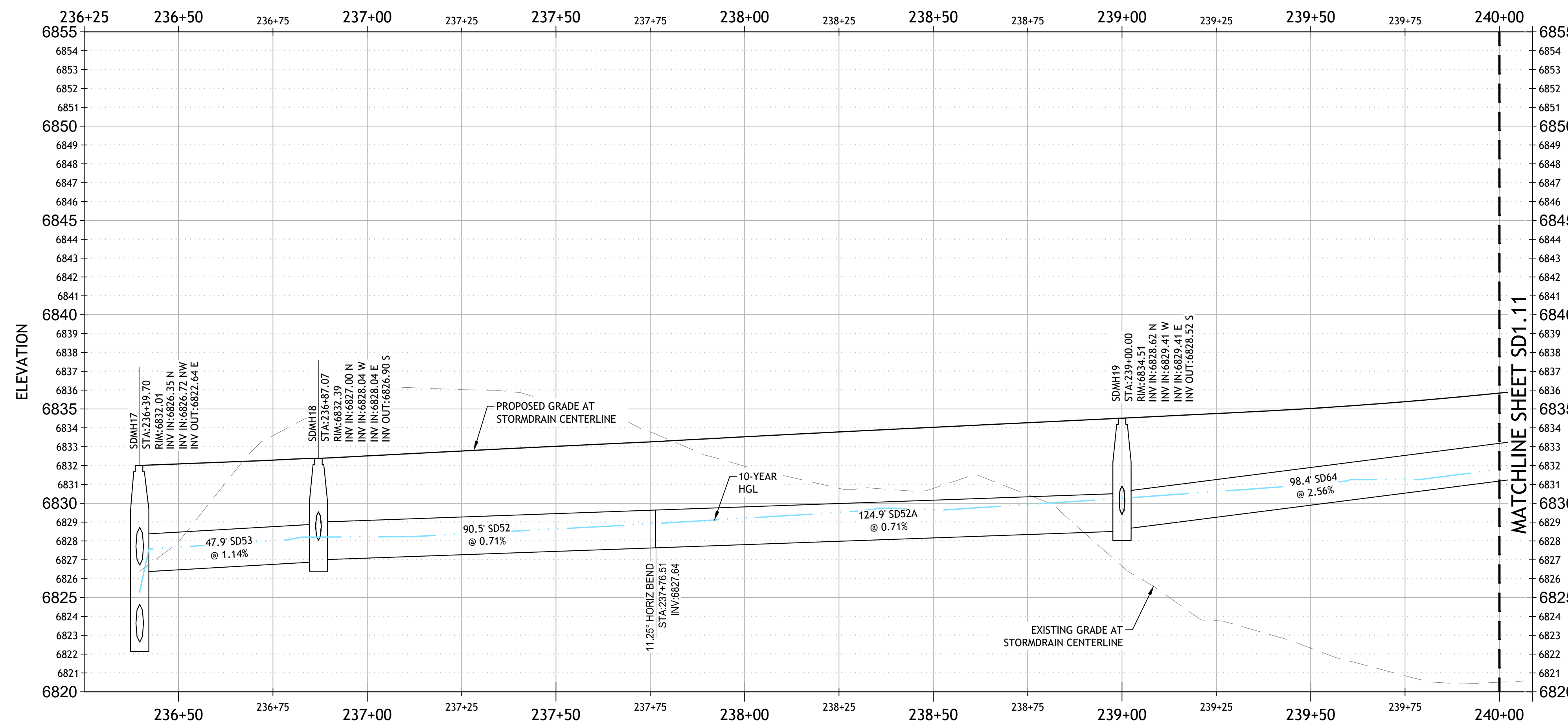
DRAINAGE CONSTRUCTION:

- (NOTE 501) 365 LF NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 503) 2 EA NEW 60" STORMDRAIN MANHOLE PER MAG STD DTL'S 520 & 522.
- (NOTE 504) 1 EA NEW 72" ADS BARRACUDA MAX S6 MANHOLE PER ADS STD DTL BARRACUDA MAX STORMWATER SEPARATOR.
- (NOTE 510) NPI CONTRACTOR TO FABRICATE A 11.25' BEND.

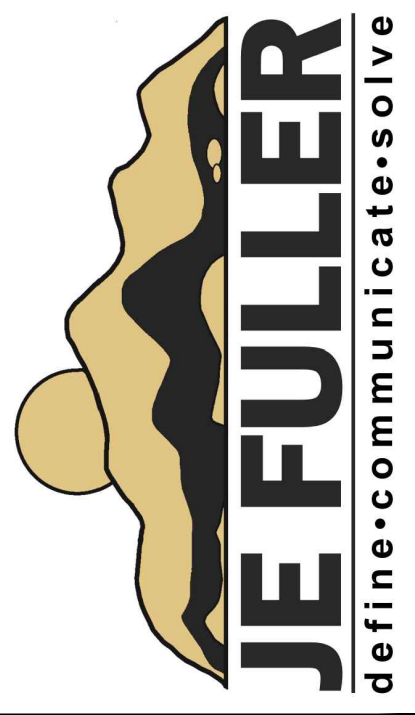


DATE	DESCRIPTION	REVISION

STORMDRAIN PROFILE VIEW 6



3111 N CADEN CT.
SUITE 120
PHOENIX, AZ 85004
(602) 944-0887
WWW.JEFULLER.COM



Preliminary
Not For
Construction

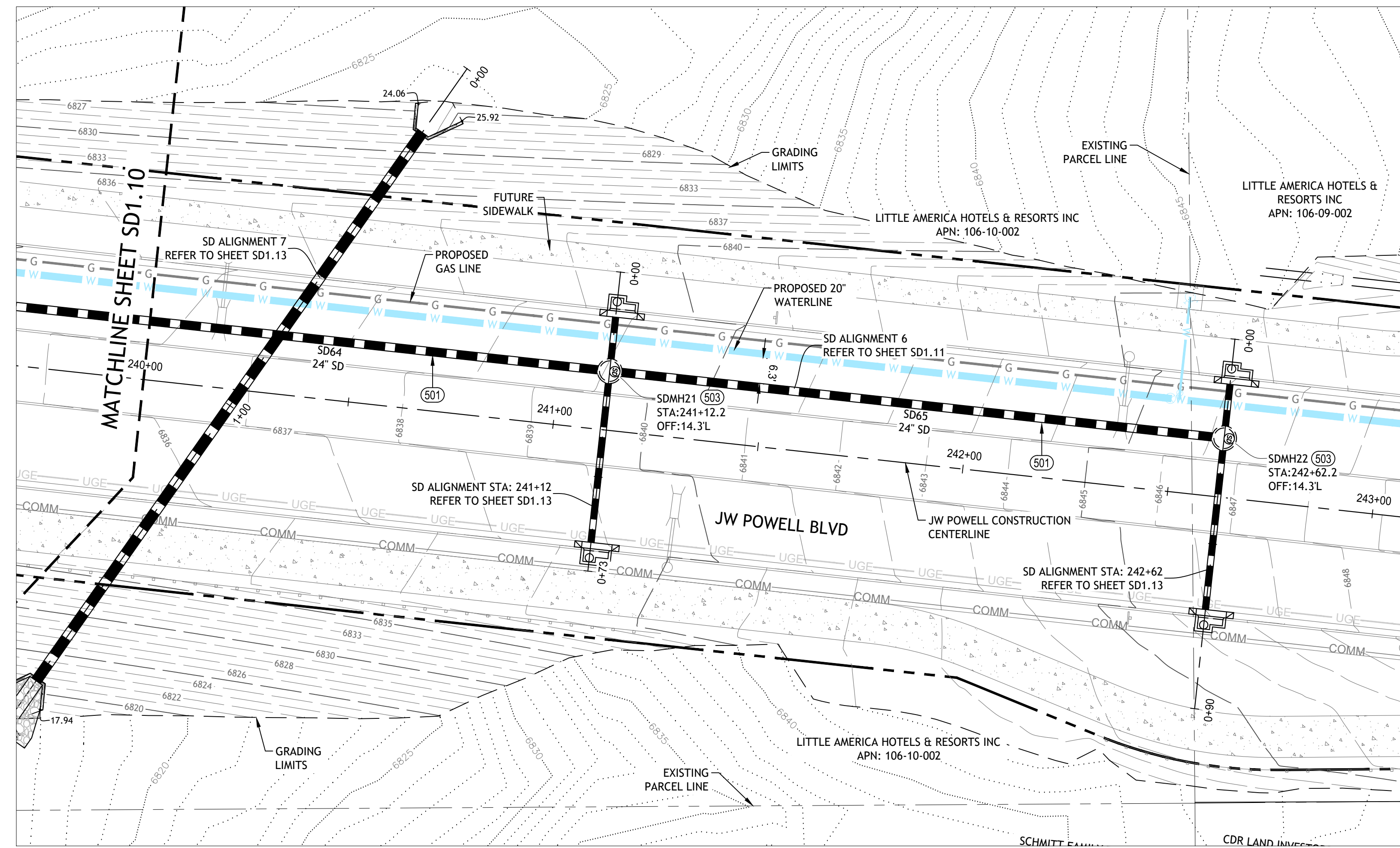
CITY OF FLAGSTAFF JW POWELL EXTENSION STORMDRAIN NETWORK PLAN AND PROFILE	BY: EJW	CHECKED: EJW
	JOB NO: 17C092	DATE: MAY 2026

SD1.10

90% DESIGN

C:\Users\eric\OneDrive\Work\Projects\Flagstaff\JW Powell Extension\Project Files\CAD\PP_SD.dwg, 5/7/2026 11:12:53 AM

JW POWELL STORMDRAIN NETWORK PLAN VIEW



CONSTRUCTION NOTES

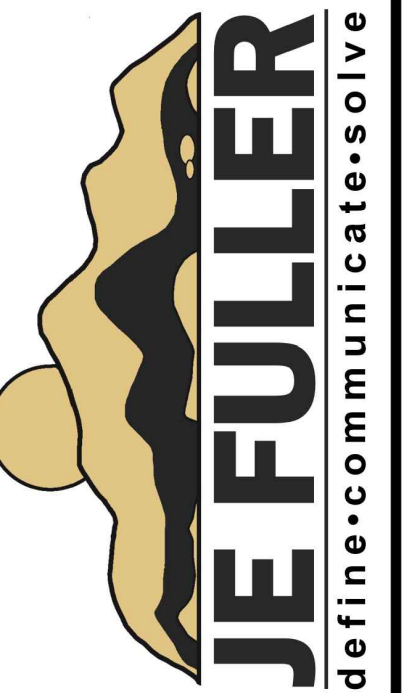
DRAINAGE CONSTRUCTION:

- (NOTE 501) 265 LF NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
- (NOTE 503) 2 EA NEW 60" STORMDRAIN MANHOLE PER MAG STD DTL'S 520 & 522.



DATE	DESCRIPTION/DATE	REVISION

3111 N CADEN CT.
SUITE 120
PHOENIX, AZ 85004
(602) 944-0857
WWW.JEFULLER.COM



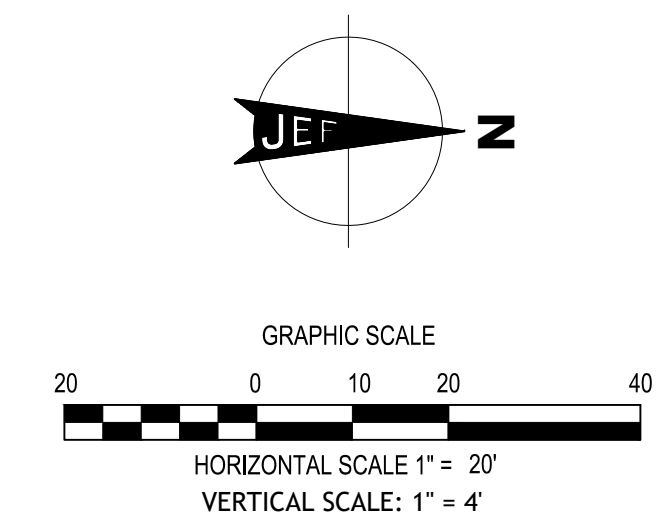
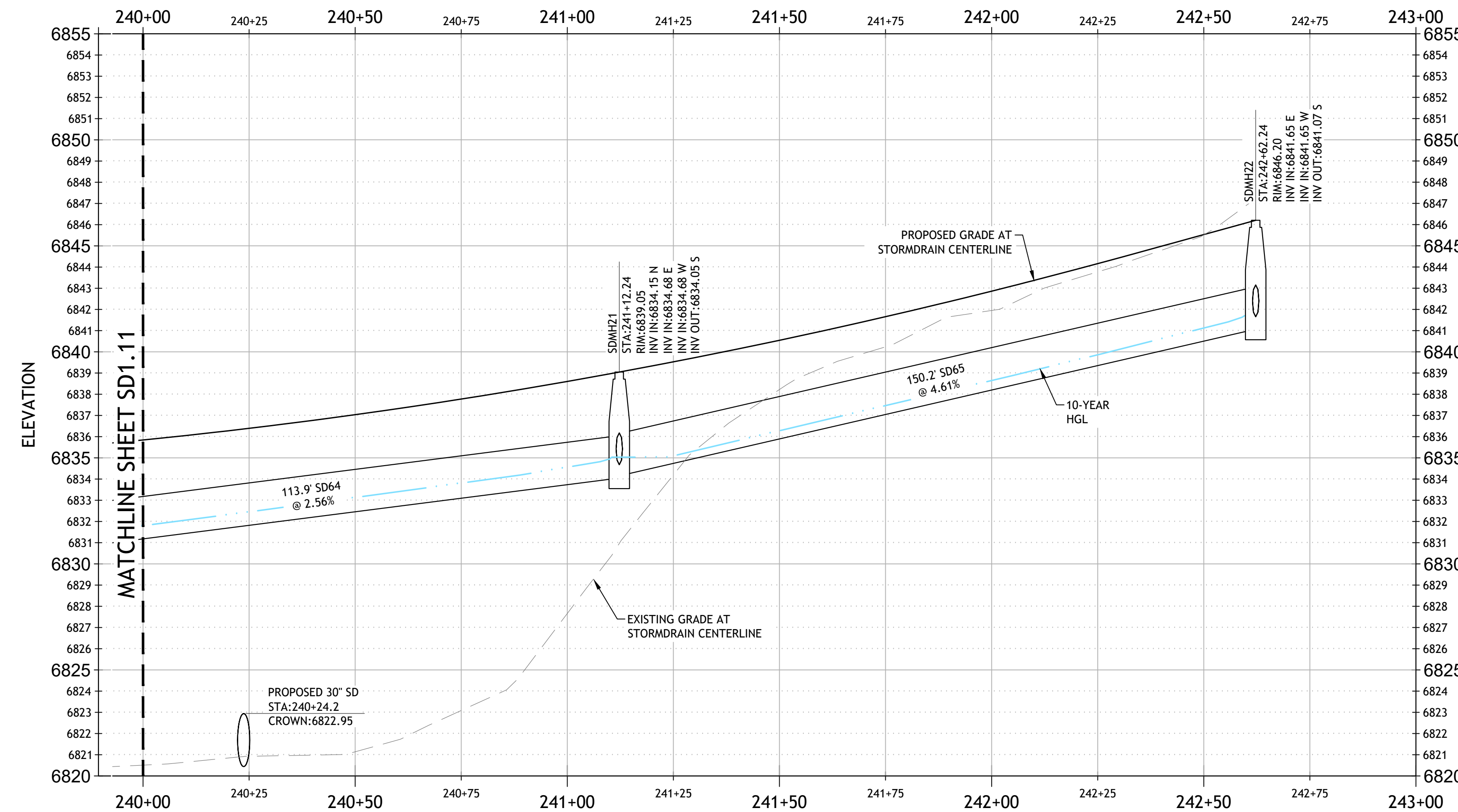
Preliminary
Not For
Construction

CITY OF FLAGSTAFF
JW POWELL EXTENSION
STORMDRAIN NETWORK
PLAN AND PROFILE

JOB NO: 17C0F02
DATE: MAY 2026
BY: EJW
CHECKED: EJW

SD1.11

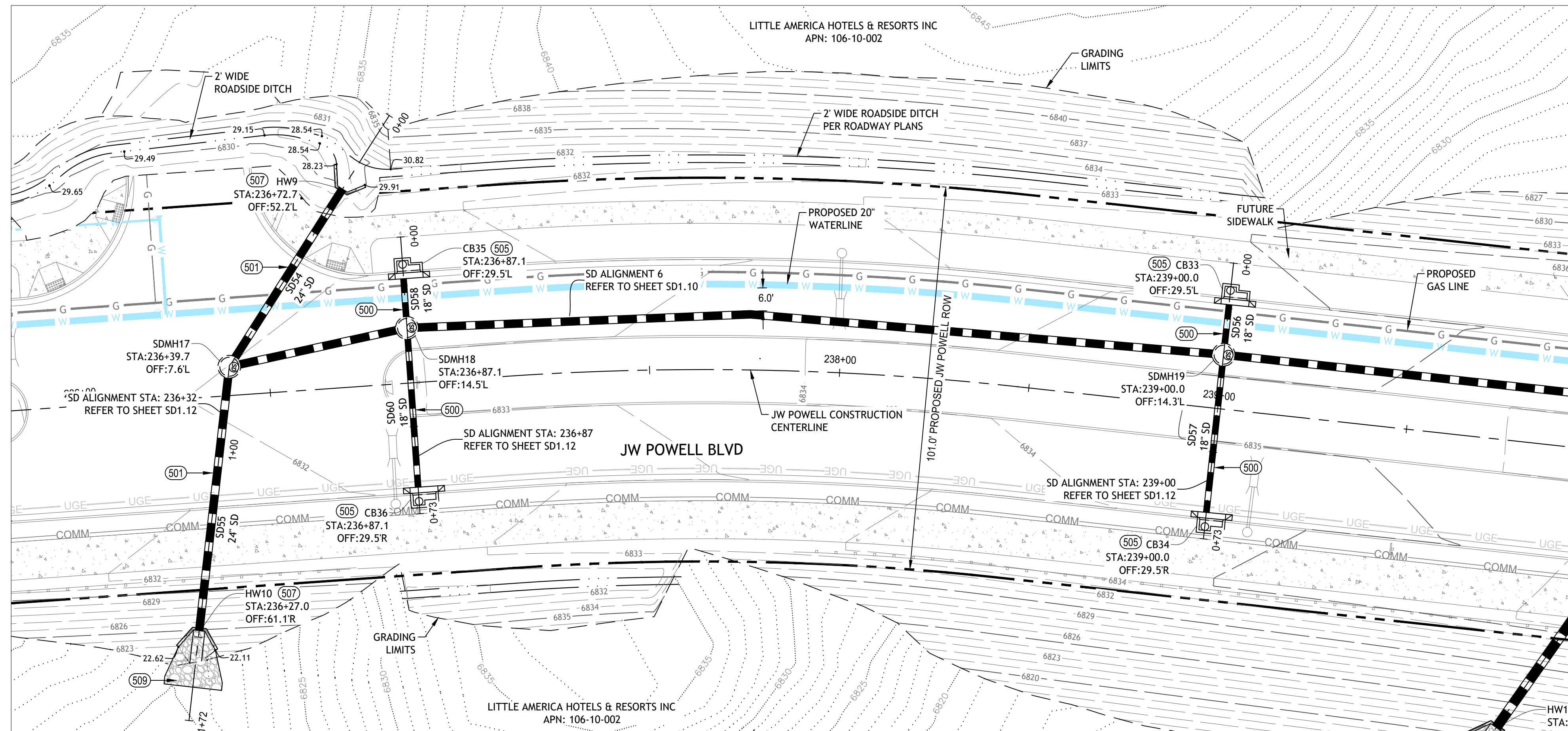
STORMDRAIN PROFILE VIEW 6



90% DESIGN

C:\Users\eric\OneDrive\Work\Projects\Flagstaff\JW Powell Extension\Project Files\CAD\PP_SD.dwg, 5/7/2026 11:20:07 AM

JW POWELL STORMDRAIN NETWORK PLAN VIEW

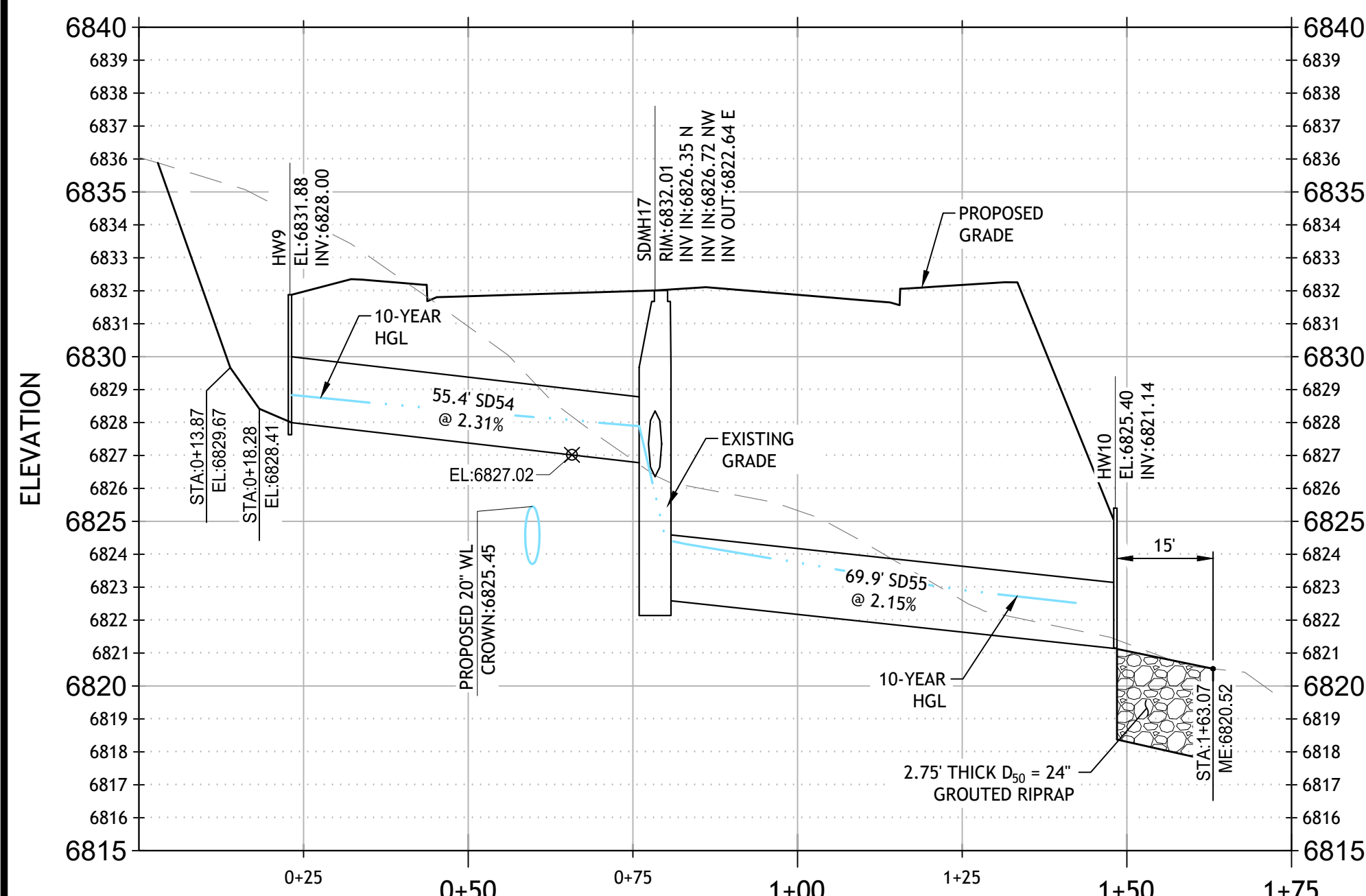


CONSTRUCTION NOTES

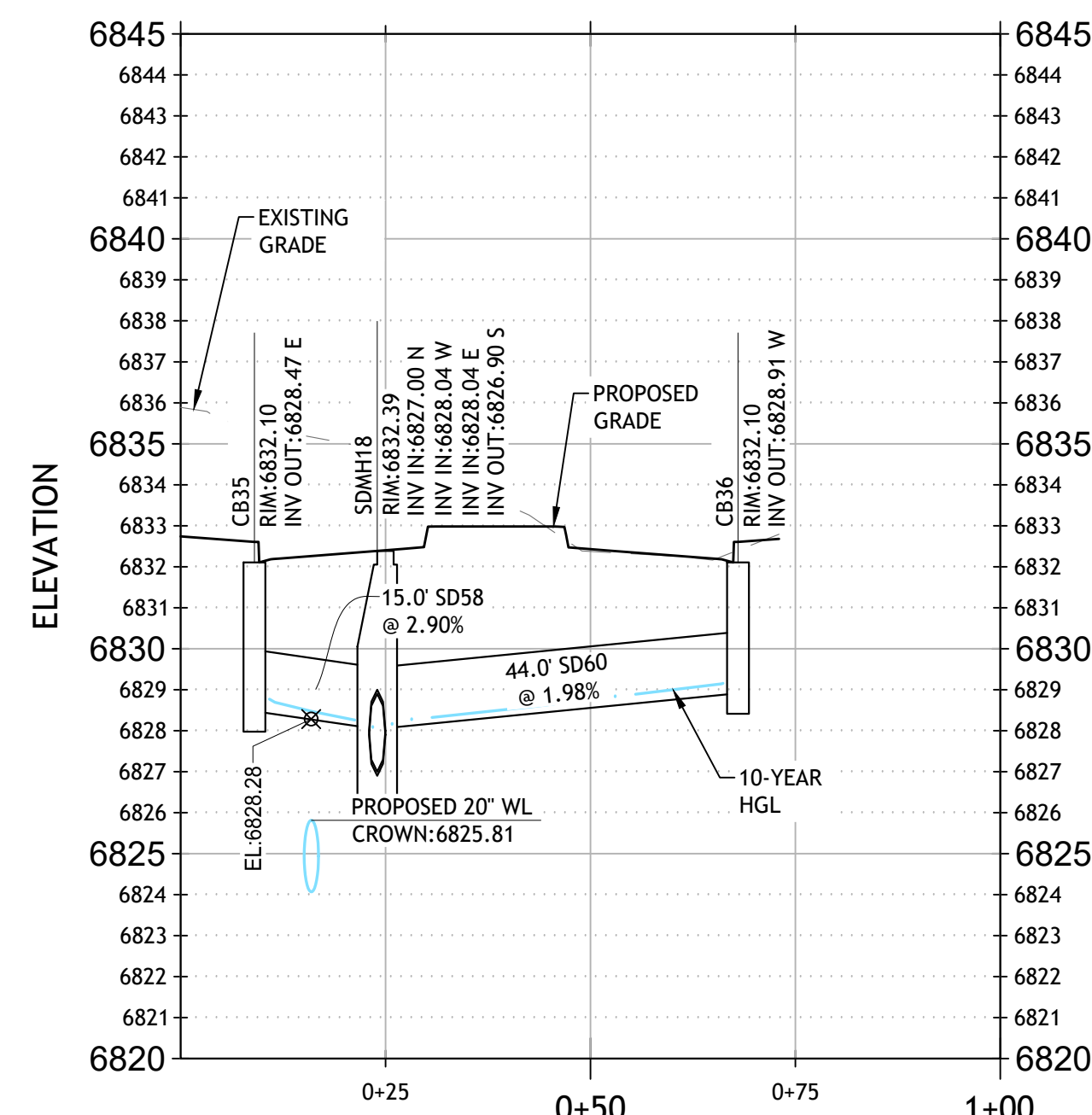
- DRAINAGE CONSTRUCTION:**
- (NOTE 500) 120 LF NEW 18" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1.
 - (NOTE 501) 125 LF NEW 24" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
 - (NOTE 505) 4 EA NEW MAG TYPE 'T' CATCH BASIN. INCLUDES A 3' WING PER MAG STD DTL 542.
 - (NOTE 507) 2 EA NEW CMU OR REINFORCED CONCRETE HEADWALL PER MAG STD DTL 501. DIMENSIONS OF WING WALLS AS SHOWN PER PLAN VIEW.
 - (NOTE 509) 15 CY INSTALL 33" (2.75) THICK D50 = 15' GROUDED RIPRAP PAD PER MAG SECTION 220 AND THE ADDITIONAL CRITERIA AS OUTLINED IN SECTION 5.3.7.7 - CHANNEL LININGS PER CITY OF FLAGSTAFF 2025 SMDM. APRON DESIGN TO BE A FAN SHAPE WITH A 1:3 EXPANSION RATIO.

DATE	
DESCRIPTION/DATE	
REVISION	

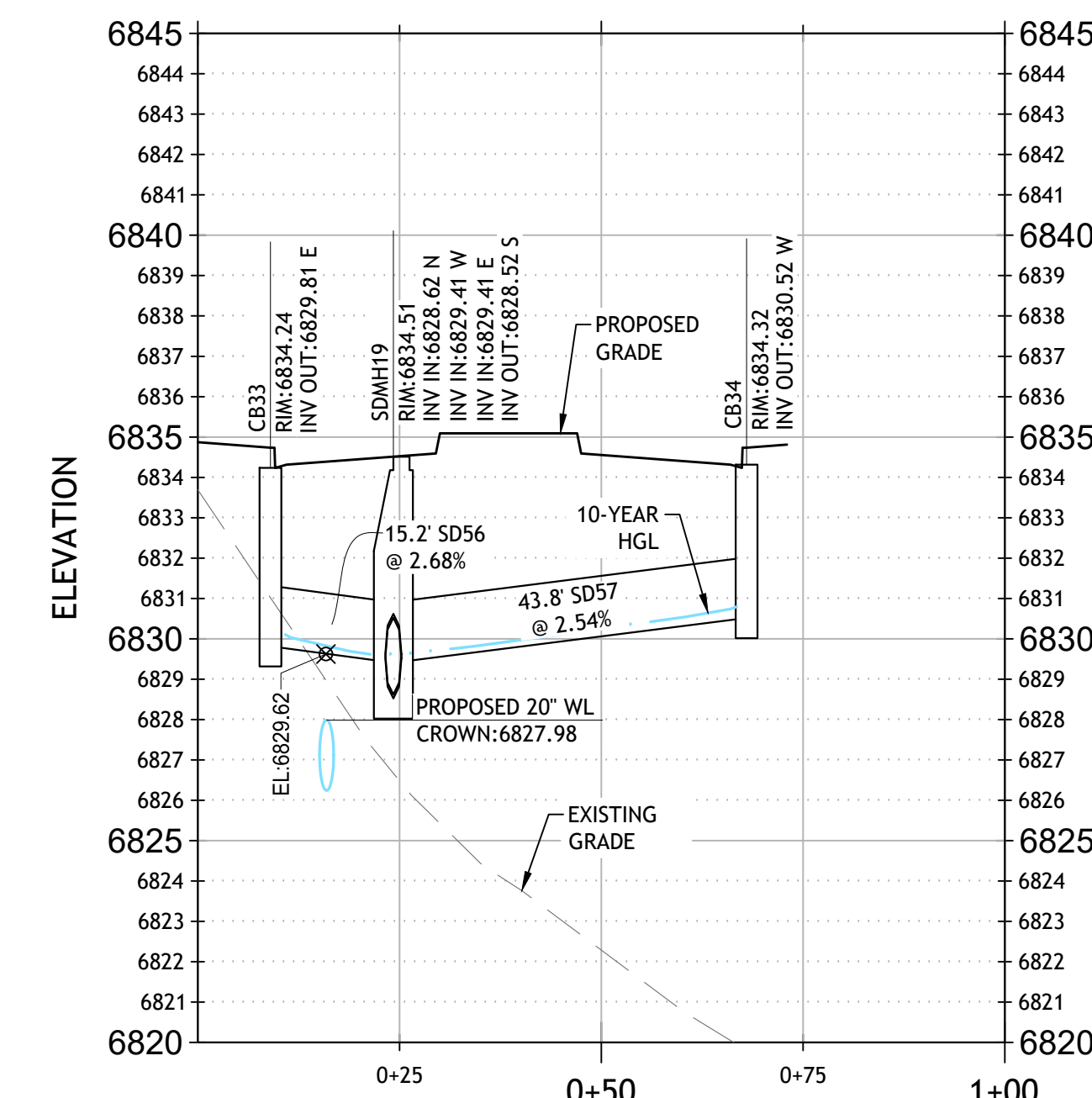
STORMDRAIN PROFILE VIEW STA: 236+32



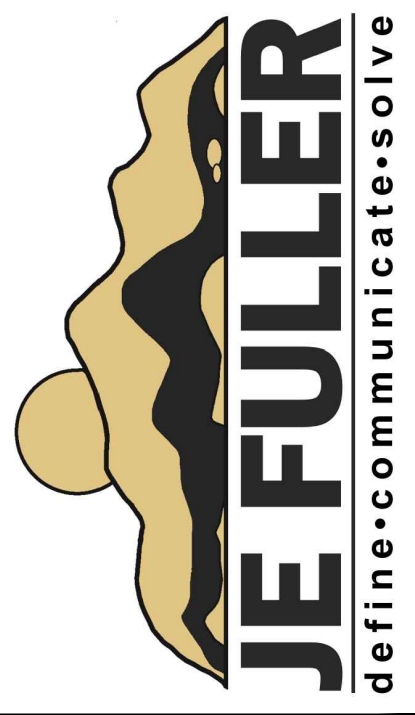
STORMDRAIN PROFILE VIEW STA: 236+87



STORMDRAIN PROFILE VIEW STA: 239+00



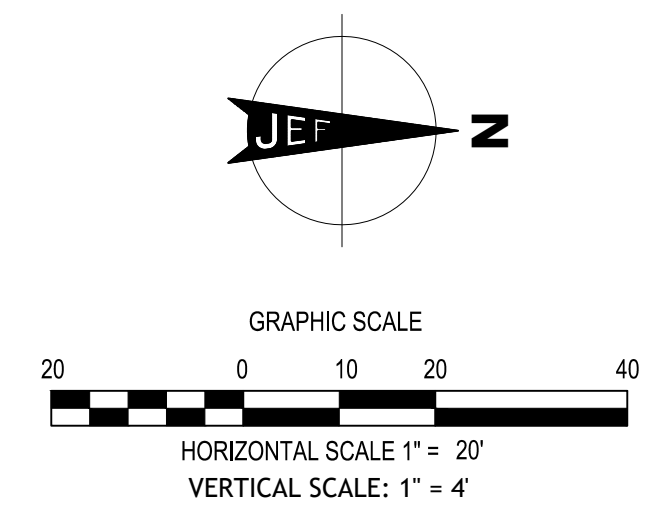
3111 N CADEN CT.
SUITE 120
PHOENIX, AZ 85004
(602) 944-0857
WWW.JEFULLER.COM



Preliminary
Not For
Construction

CITY OF FLAGSTAFF JW POWELL EXTENSION STORMDRAIN NETWORK PLAN AND PROFILE	BY: EJV	CHECKED: EJV
	JOB NO: 17COP02	DATE: MAY 2026

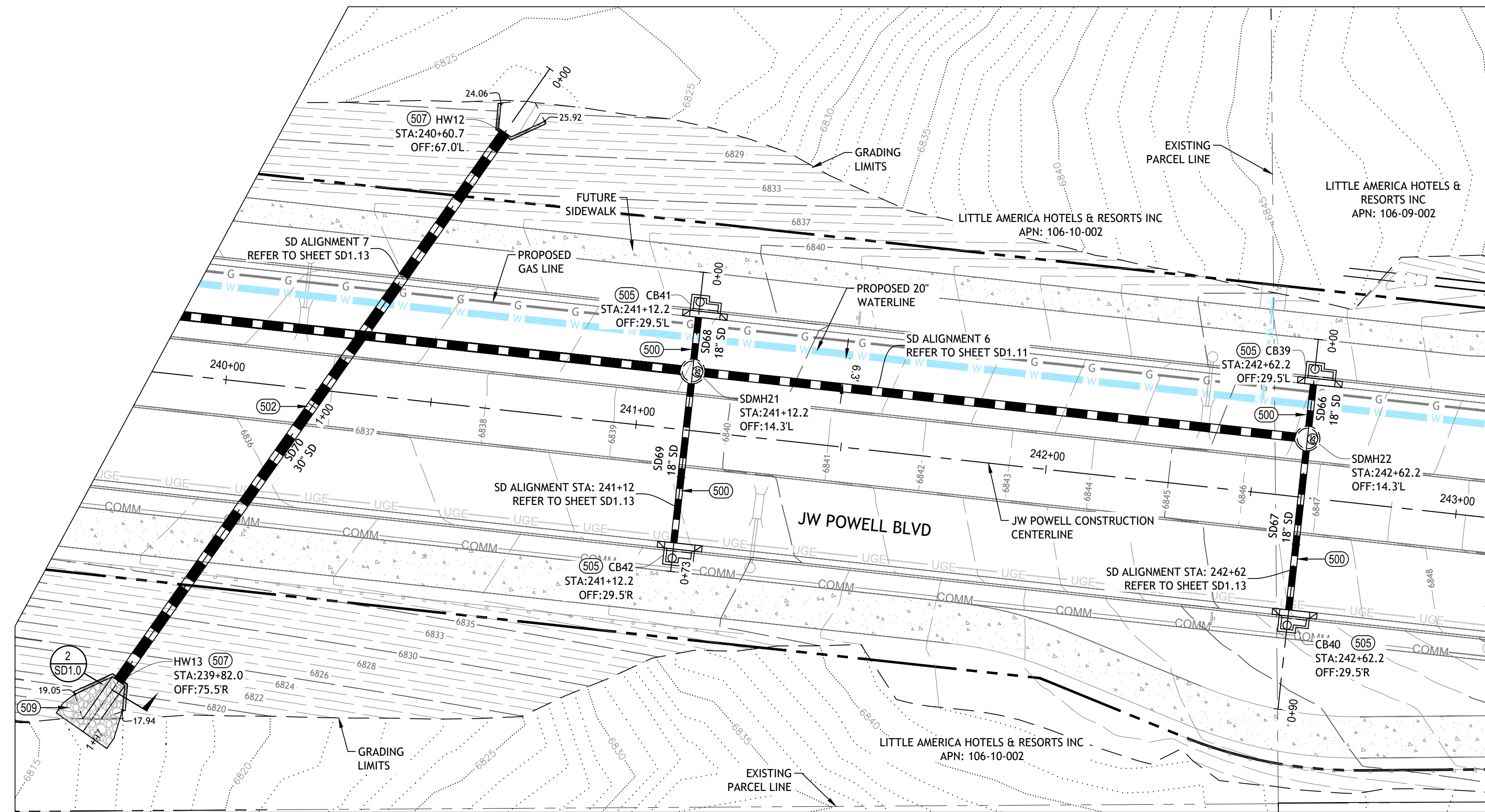
SD1.12



90% DESIGN

C:\Users\eric\OneDrive\Project Files\CAD\PP_SD.dwg, 5/7/2026 11:18:10 AM

JW POWELL STORMDRAIN NETWORK PLAN VIEW



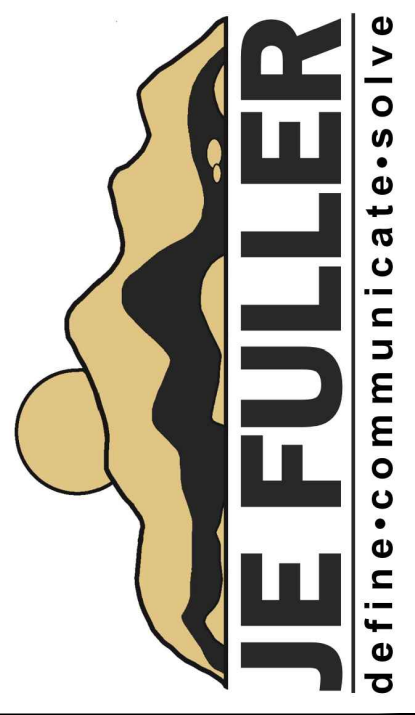
CONSTRUCTION NOTES

- DRAINAGE CONSTRUCTION:**
- (NOTE 500) 120 LF NEW 18" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1.
 - (NOTE 502) 165 LF NEW 30" ADS HP STORM DOUBLE GASKET STORMDRAIN. TRENCHING AND ABC BACKFILL PER ADS TECHNICAL NOTE 2.04, FIGURE 1. STORMDRAIN TO HAVE MANNING'S N OF 0.012.
 - (NOTE 505) 4 EA NEW MAG TYPE 'T' CATCH BASIN. INCLUDES A 3' WING PER MAG STD DTL 542.
 - (NOTE 507) 2 EA NEW CMU OR REINFORCED CONCRETE HEADWALL PER MAG STD DTL 501. DIMENSIONS OF WING WALLS AS SHOWN PER PLAN VIEW.
 - (NOTE 509) 15 CY INSTALL 33" (2.75) THICK D50 = 15' GROUTED RIPRAP PAD PER MAG SECTION 220 AND THE ADDITIONAL CRITERIA AS OUTLINED IN SECTION 5.3.7.7 - CHANNEL LININGS PER CITY OF FLAGSTAFF 2025 SMDM. APRON DESIGN TO BE A FAN SHAPE WITH A 1:3 EXPANSION RATIO.



DATE	DESCRIPTION	REVISION

3111 N CADEN CT.
SUITE 120
PHOENIX, AZ 85004
(602) 944-0857
WWW.JEFULLER.COM



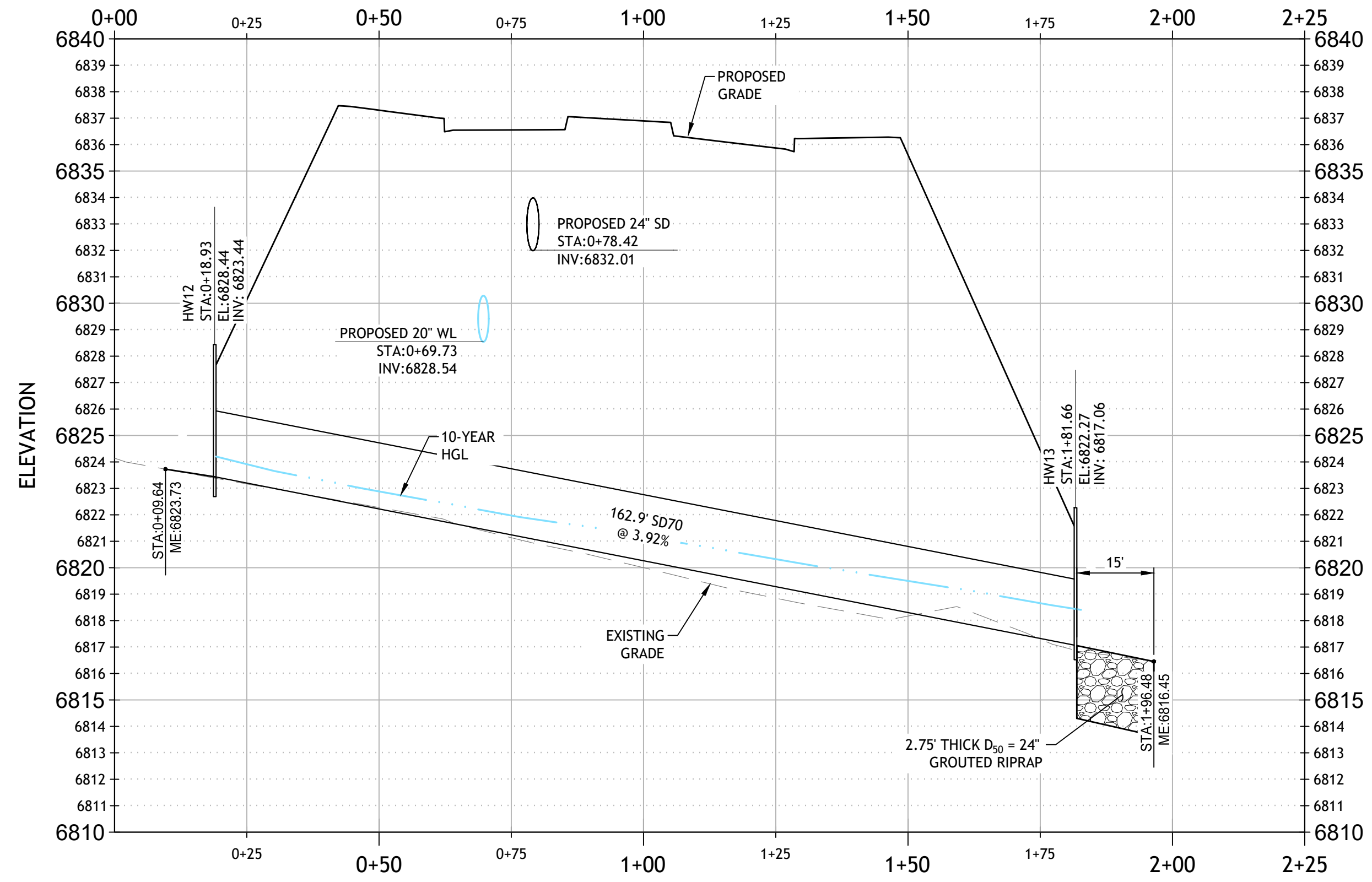
Preliminary
Not For
Construction

CITY OF FLAGSTAFF
JW POWELL EXTENSION
STORMDRAIN NETWORK
PLAN AND PROFILE

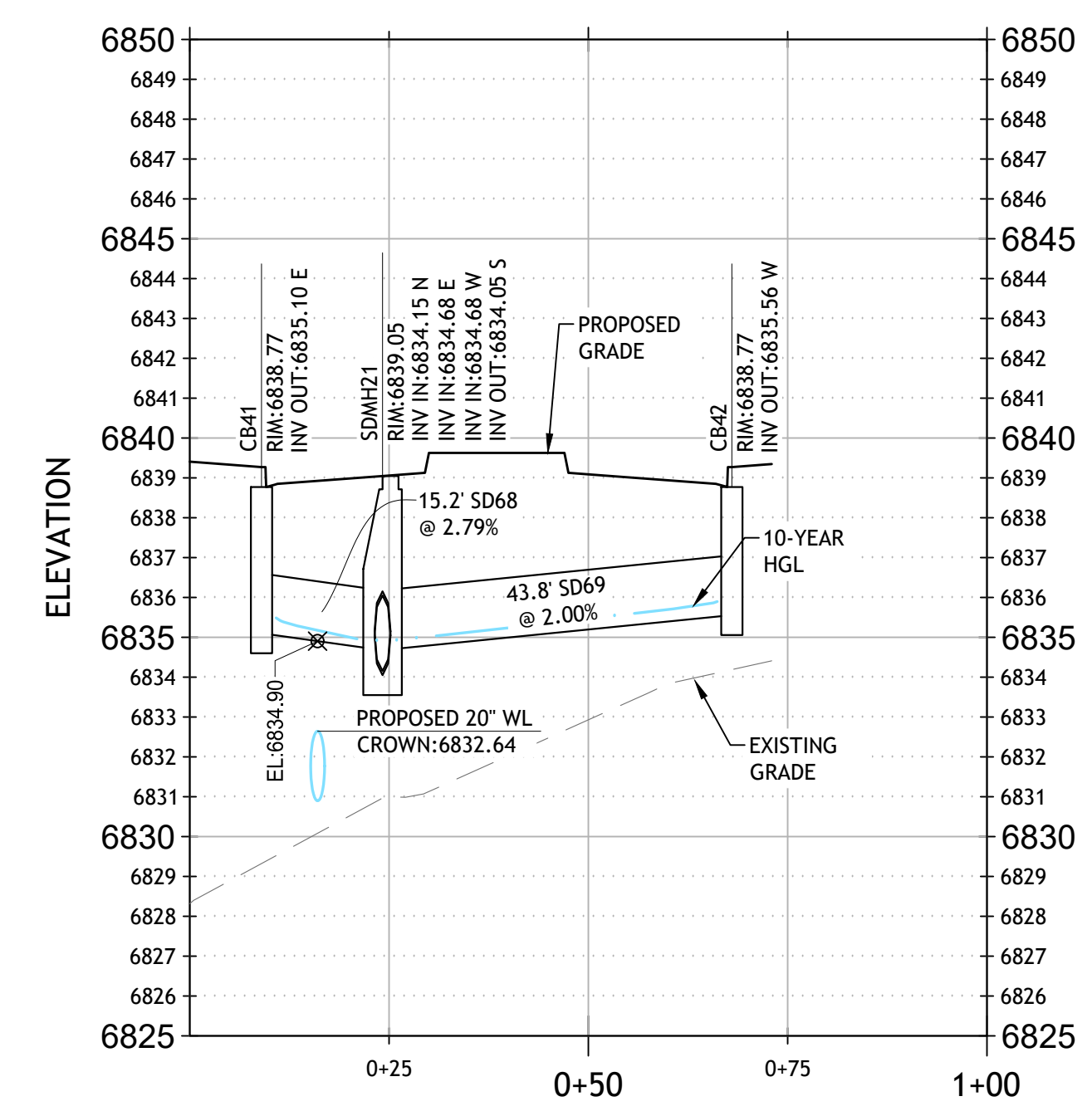
BY: EJV
JOB NO: 17C092
DATE: MAY 2026
CHECKED: EJV

SD1.13

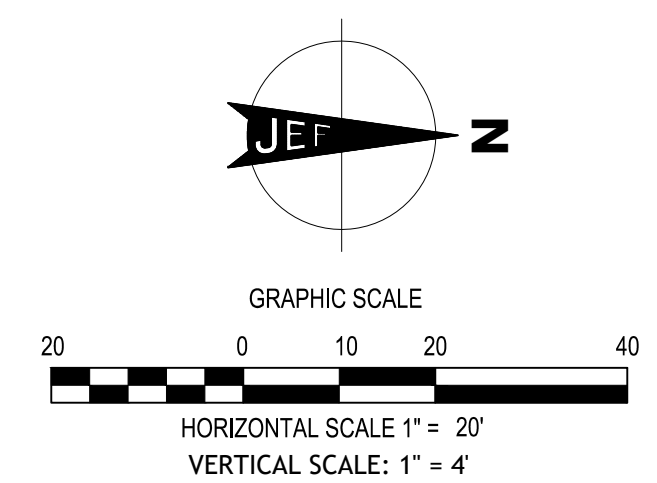
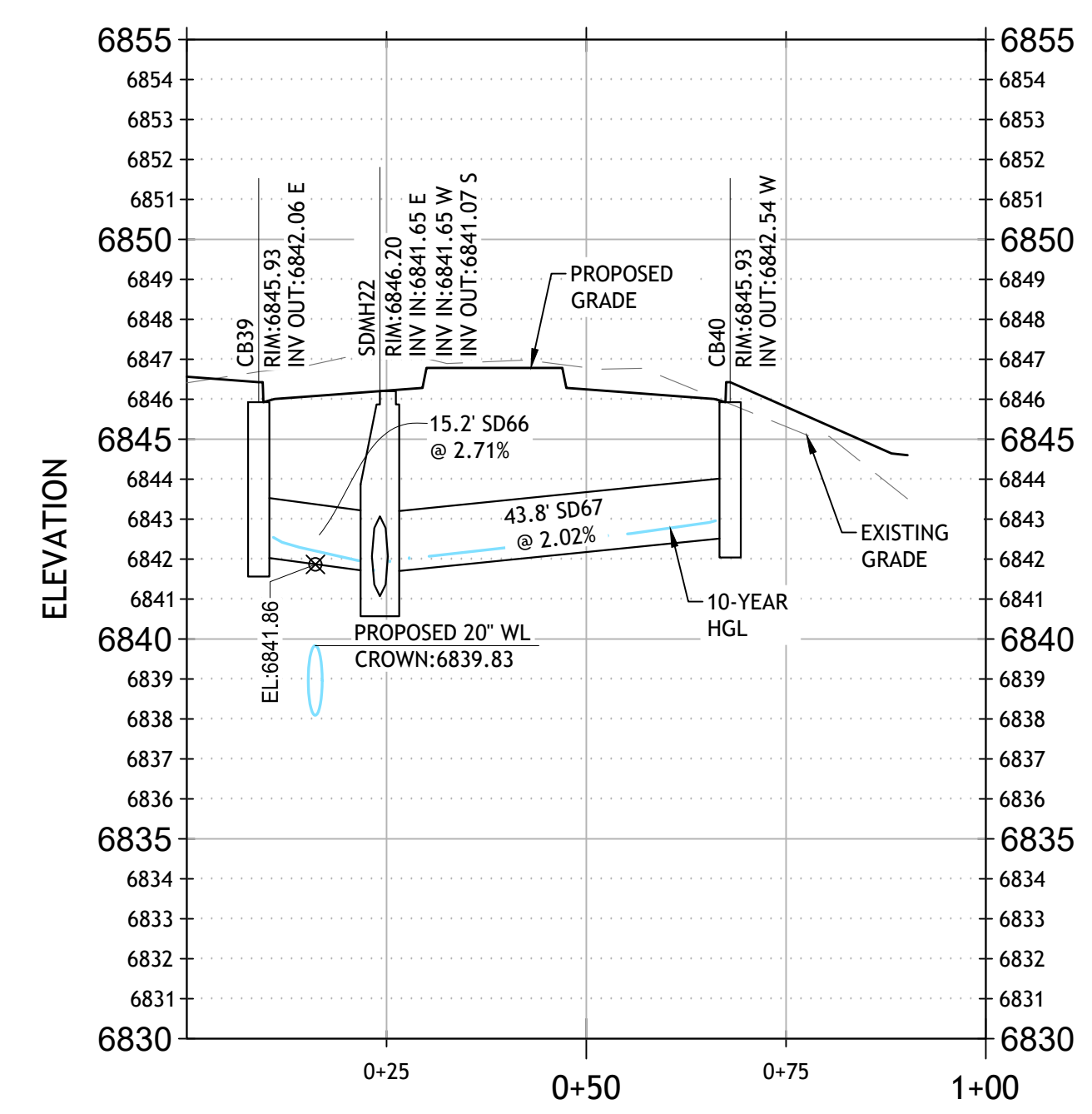
STORMDRAIN PROFILE VIEW 7



STORMDRAIN PROFILE VIEW STA: 241+12



STORMDRAIN PROFILE VIEW STA: 242+62



90% DESIGN

C:\Users\eric\OneDrive\Projects\Projects\CAD\PP_SD.dwg, 5/17/2026 11:14:12 AM