



Purchasing Division

**ADDENDUM NO. 4**

**DATE:** June 19, 2020  
**FROM:** City of Grand Junction Purchasing Division  
**TO:** All Offerors  
**RE:** Riverfront at Dos Rios Phase II Construction IFB-4799-20-DH

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. The following companies have been approved for this project:

Company Name	Location	Name	Phone	E-Mail	Pre-Qualification Approved/Not Approved
Johnson Construction, Inc.	Rifle, CO	Rob Bercher	970-625-2251	<a href="mailto:rob@johnconinc.com">rob@johnconinc.com</a>	Approved
M.A. Concrete Construction	Grand Junction, CO	Jeff Nimon	970-243-3221	<a href="mailto:maconcretenimon@bresnan.net">maconcretenimon@bresnan.net</a>	Approved
ESCO Constructin Co.	Evergreen, CO	Shelly McCarron	303-674-3385	<a href="mailto:smccarron@escomailbox.com">smccarron@escomailbox.com</a>	Approved
FCI Constructors, Inc.	Grand Junction, CO	Brian Young	970-434-9093	<a href="mailto:byoung@fciol.com">byoung@fciol.com</a>	Approved
American Civil Constructors/ AAC Mountain West	Littleton, CO	Jody Randall	303-730-4504	<a href="mailto:jrandall@accbuilt.com">jrandall@accbuilt.com</a>	Approved
Scott Contracting, Inc.	Centennial, CO	Kym Johnson	720-889-4403	<a href="mailto:kymjohnson@scottcontracting.com">kymjohnson@scottcontracting.com</a>	Approved
CON-SY, Inc.	Grand Junction, CO	Carie Slape	970-549-1270	<a href="mailto:consyinc@aol.com">consyinc@aol.com</a>	Approved
Oldcastle SW Group Inc., dba United Companies	Grand Junction, CO	Jacob Davis	970-243-4900	<a href="mailto:jacob.davis@unitedco.com">jacob.davis@unitedco.com</a>	Approved
MM Skyline Contracting, Inc.	Grand Junction, CO	John Chutka	970-434-9121	<a href="mailto:jchutka@skyconinc.com">jchutka@skyconinc.com</a>	Approved

2. Q. Is there a specific model number or specifications for the luminaires in line items 112 & 113?

A. *Yes. See sheet E1 of the Site Lighting Plans for specific luminaire models (overall sheet 353). Also, refer to luminaire manufacturer for specifications.*

3. Q. Do you know if there is a plan sheet that shows an existing surface topo? The only existing elevation information we can find is on the cross-sections but a topo surface would be appreciated.

A. *Please see the attached exhibit sheets EGC1 & EGC2, showing existing contours. The existing contour sheets were created from the Overlot Grading Plans (sheets 246 & 247). The*

*existing grading sheets will reflect the existing surface at the same contour interval as sheets 246 & 247.*

4. Q. Do you have a detail of the outlet structure for this project? See a note on page 79 referring to a detail but can't find one.

A. *Yes. Please see the answer to question #8.*

5. Q. Line Item #99 Debris Processing and Removal:

- Can you identify where the 12,000 cy of material is on the site?
- The line item refers to "removal". Which material needs to be removed?

A. *Line item #99 (Debris Processing and Removal):*

- *The anticipated 12,000 CY of debris to be processed and removed is based on previous test pits and trench locations. Please see the attached C-1 sheet.*
- *Within the northern area as shown on sheet C-1, the possibility of trash debris exists. The encountered debris, as well as within any other area encountered on the site, shall be processed and removed.*

6. Q. Line Item #101 Import and Place Clean Fill:

- Drawing 3 requires all imported embankment material to have a minimum RValue of 40. Will this material qualify for the "Clean Fill" as stated in the line item.
- Addenda #3 eliminated all the imported topsoil. Will this R-40 material qualify for topsoil to be planted on?

A. *Line Item #101 (Import and Place Clean Fill):*

- *The statement referring to a required minimum R-Value of 40 has been removed from the plan set.*
- *The updated bid schedule that was provided in Addendum #3 eliminated the need for the additional topsoil. The R-Value of 40 is no longer required.*

7. Q. Line Item #54 Storm Drain Pipe 72"x24" Concrete Box Culvert:

- Is there a detail for the box culvert?
- Can it be pre cast?

A. *Line Item #54 (Storm Drain Pipe 72"x24" Concrete Box Culvert):*

- *There is no current detail from the City for the box culvert. Contractor should reference CDOT specifications and detail for single-cell, pre-cast concrete box culvert.*
- *Yes. The box culvert may be pre-cast.*

8. Q. Line Item #67 Storm Drain Outlet Structure:

- Is there a drawing for this structure? (Drawing 79 Notes refers to "Detail xxxxxxx1 in the Final Drainage Report for the Riverfront at Dos Rios Business Park, Appendix X WQCV Plate and Outlet Structure") I cannot find this report.

A. *Line Item #67 (Storm Drain Outlet Structure):*



- *Yes. Please see sheet C-1 (Water Quality Outlet Structure) plan of the Final Drainage Report (overall sheet 158) of the report, attached. The detail reference on drawing sheet 79 has been updated.*

9. Q. Line Item # 241 Rock Type 2 (Larger) :

- Drawings L-1 and L-2 Legend Notes identify this material as “ -3 inch Colorado River Rock”. Is this a brand name for a material provided by a specific supplier or is it rock from the Colorado River?

A. *Line Item #241 (Rock Type 2 (Larger)):*

- *3” Colorado River Rock refers to rounded cobbles, originating from rivers, within the state of Colorado. One may reference the “Rock Shop”, located close to the project site, which contains this size river cobble as well as a number of other river cobbles, and are designated as Colorado River Rock (Gravels and Cobbles).*

10. Q. Can a PDF with existing topo lines be provided with Drawings 246 and 247?

A. *Yes. Please see the answer to question #3, above.*

11. Q. Will the day count for completion time be suspended during winter months when work is restricted?

A. *Perhaps. Please refer to Section 2.46 Force Majeure, of the solicitation document, as part of the original Bid Documents.*

12. Q. Only finding 1 ea. Curb Inlet with Drive-over curb hood, bid schedule shows 2 ea. can you assist?

A. *There are (2) drive-over curb inlets. Structure(s) #66 & 75. Structure #66 (at the end of Confluence Court) was previously labeled incorrectly.*

13. Q. #45 water service assy- I assume this is for the pit/yoke/meter....which is supplied by the City of GJ so not needed in the bid?

A. *No. This line item is needed. The Contractor is responsible for installing the saddle connection, corp stop, and piping to the meter pit. The City will provide the pit structure, yoke, and meter.*

14. Q. After looking through the project plans and standard specs I haven't been able to find a trench detail for flexible pipe materials (PVC, HDPE or PP pipe). The City of Grand Junction Standard Specifications for the Construction of Underground Utilities references 'City Standard Drawings' but wasn't able to find that on the City website. Can you help point me in the right direction? I just want to make sure the project is being bid equitably.

I read through the written spec for HDPE, however, what ADS is proposing is Polypropylene (HP Storm), which is 2x stiffer than HDPE. Because of the increase rigidity, lower classification backfills can be used while still maintaining structural integrity. With the different backfill materials there are different maximum cover requirements (see attached note A2.04). ADS recommends a minimum cover of 1' (top of rigid pavement, bottom of flexible pavement), using a Class III material per ASTM D2321 (see classes of Embedment and Backfill Materials) for reference.

A. *For Contractors wanting to price out an alternative pipe material (only allowed for circular RCP pipe), the Contractor must follow the manufacturer's specifications for pipe bedding and backfill materials, as well as minimum required coverage. If minimum coverage per the manufacturer is not achievable, as shown on the construction plans, the Contractor must install RCP pipe. The pipe bedding and backfill materials for the alternative plastic pipe is incidental to the pipe installation, and shall be included in the unit cost. There will be no separate pay items for pipe bedding or backfill materials.*

*Regarding the alternate pipe trench detail that is not in the City of Grand Junction's "City Standard Drawings", please refer to the 2017, CDOT Standard Specifications for Road and Bridge Construction.*

16. Q. Does the designer want the 8" concrete pavement in the bus pull-ins / parking stalls to be reinforced? If so please indicate type of reinforcement (Dowels, mat of bar, etc), size, spacing, and orientation.

A. *No. Reinforcement within the 8" concrete section for parallel parking is not required.*

17. Q. Does the designer want the sidewalks to be doweled into the restroom slab? If so please indicate length, size, and spacing.

A. *No.*

18. Q. Is the asphalt thickness known for existing asphalt on Hale Avenue and Trail?

A. *The existing asphalt thickness for Hale Avenue and the existing asphalt trail are not known. The Contractor should assume a minimum thickness of 4" for the trail, and 6" for Hale Ave.*

19. Q. Will construction water be available from existing hydrants onsite?

A. *No. The Contractor shall utilize the filling station located adjacent to City Shops.*

20. Q. What agency will construction water be purchased from?

A. *The City of Grand Junction.*

21. Q. Would the owner accept a 6x3 precast box culvert as an alternate to the 6x2 precast box culvert that is stated on the plans?

A. *No. There is not enough available cover over the box to allow for 3'.*

22. Q. Is it possible to provide the site existing grades to correspond with plan sheets 246 & 247 overlot grading plans ?

A. *Please see answer to question #4 above.*

23. Q. Erosion Control Plans are not provided, can these plans be provided?

A. *Please see the Stormwater Management Plan sheets (overall sheets 263-266).*

24. Q. Evergreen Trees have been lumped into bid item 208 - Shrubs (1021 EA). Can these two be separated into two separate bid items?

A. *Evergreen trees have been added to the bid schedule as a new line item #208. There are 12 evergreen trees in the bid schedule. "Shrubs" have been changed to bid item #209.*

25. Q. Bid item 207 - Trees, 1-1/2" Deciduous should have a quantity of 65 instead of 66.

A. *Bid item 207 has been confirmed at 66 trees.*

26. Q. Bid item 222 - Trees, 2" Deciduous should have a quantity of 59 instead of 58.

A. *The 2" Deciduous tree count has been revised to 59 trees. This bid item # has been changed from 222 to 223.*

27. Q. Please clarify the total quantity of irrigation controllers and irrigation connections (Detail A/I-3) and their locations on the plans.

A. *The total number of irrigation controllers are 1. The total number of irrigation connections to the raw waterline are 1. Please see sheet I-1 of the Dos Rios Bicycle Playground Landscape and Irrigation Plans (overall sheet 308).*

28. Q. The bid schedule includes 10 benches (bid item 220), but the site furnishing schedule on sheet L-1 on calls out 4. Please confirm the bench quantity.

A. *This bid item has been changed to bid item #221. The Contractor shall bid-out the number of benches included in the Bid schedule. The final location of the remaining benches will be decided at the pre-construction meeting after the project is awarded.*

29. Q. Item #181- What size are the actual air vac/valves to be? Qty 4 off of 10" pipe, qty 4 off of 8" pipe.

A. *The actual size of the air vac valves, as shown in City Standard Drawing W-11, shall be 6-inches.*

30. Q. Please clarify what is to be included in bid item 204 – Riparian Restoration – 108,900 SF.

A. *The Riparian Restoration line item refers to the upland area adjacent to the riverbank stabilization portion of the project (See sheets 281-293). The restoration includes clearing and grubbing prior to bank stabilization construction. The Contractor shall include a soil amendment, similar to bid item(s) #202, 231 and 236. In addition, the Contractor shall include a general riparian seed mix for planting after the soil has been amended.*

31. Q. I see you are allowing alternate materials for round RCP but you are specifying Fabricated Manhole Tee's. If these Tee's are not available in alternate materials how can the pipe be allowed as an alternate?

A. *If the tee in question is not available in an alternative material, the Contractor may propose to the Project Engineer the installation of a standard manhole. This will be decided on a case by case scenario.*

32. Q. We would like to submit our substitution request for the shelters on the upcoming Riverfront at Dos Rios Phase II Construction bid. Per the bid documents we have attached the 3-part specification and preliminary drawing for your review. We have seen in the past approving more than one supplier will allow the City to get the best pricing out of all suppliers. It is also worthwhile to mention that RCP Shelters has been in business since 1957, longer than any other shelter manufacturer, and have projects in all 50 states, multiple countries, and have designed shelters in the harshest of loading conditions including 265 psf snow loads, and 150 mph wind load.

A. *The City will allow the RCP shelter as a bid alternative to the Shelter plans that were included in Addendum #3.*

33. Contractors shall utilize the attached revised Addendum 4 Price Bid Schedule when submitting their bid responses.

34. Additional Clarifications:

1. Please see attached the additional option for the Dos Rios Park “alternate” small shelter plans and specifications.
2. Please see attached the revised Construction Plans (Sheets 1-293). The major revisions include:
  - a. Upsizing all water service assemblies from 1” to 2” services. Please note the applicable line item changes, including the pipe material.
  - b. Updates to Removal Plan R-8.
3. Addition of Existing Ground Contour Plans EGC1 & EGC2 for topo clarification.
4. The quantity of the luminaires, light foundations, and pedestals for the site lighting plans have been updated. See revised Bid Schedule reflecting the updated quantities.
5. Updated Addendum 4 Price Bid Schedule.
6. See attached “Test Pit and Trench Location” Exhibit for potential debris removal locations.
7. See attached Final Drainage Report, containing outlet structure detail.
8. See below for Special Condition #8 (SP-8), regarding early access to the Parcels MU-3 & MU-4.
  4. See attached exhibit of the envisioned build-out for the Dos Rios Phase 2 development.

### **SP-8 – EARLY ACCESS**

#### **DEVELOPER ACCESS TO PARCELS MU-3 & MU-4**

The Developer for the entire Dos Rios project site has requested that Parcels MU-3 & MU-4 have all weather access available to them by April 19, 2021. This means that the General Contractor shall provide access off of Dos Rios Drive, or Calle Del Rio, by ensuring that a minimum, the bottom asphalt mat will be installed within each road by April 19<sup>th</sup>, 2021. For Dos Rios Drive, the segment south of the proposed roundabout shall have the bottom mat installed, extending to the termination

point of the existing phase 1 Dos Rios road stub. If the Contractor chooses to provide access to MU-3 by way of Calle del Rio, that portion of the road adjacent to MU-3 must have at a minimum the bottom mat of asphalt pavement installed.

There will be no separate pay items for providing access to parcels MU-3 or MU-4, and shall be part of the bid items included in the original bid solicitation.

Once April 19<sup>th</sup> arrives, and depending on how much of the right-of-way hardscape (i.e. curb, gutter, and sidewalk) has been installed adjacent to said parcels, it will be the developer's responsibility to protect and maintain that hardscape.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

A handwritten signature in black ink, appearing to read "Duane Hoff Jr.", written in a cursive style.

Duane Hoff Jr., Senior Buyer  
City of Grand Junction, Colorado

# Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

**Contractor:** \_\_\_\_\_

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	626	Mobilization	1.	Lump Sum	\$ _____	\$ _____
2	626	Construction Surveying	1.	Lump Sum	\$ _____	\$ _____
3	620	Sanitary Facility	1.	EA	\$ _____	\$ _____
4	209	Dust Abatement	500.	DAYS	\$ _____	\$ _____
5	208	Stabilized Construction Entrance	5.	EA	\$ _____	\$ _____
6	208	Erosion Control (Complete in Place)	1.	Lump Sum	\$ _____	\$ _____
7		Potholing	1.	Lump Sum	\$ _____	\$ _____
8	108.2	4" Sewer Service Pipe (SDR 35)	786.	LF	\$ _____	\$ _____
9	108.2	6" Sewer Service Pipe (SDR 35)	93.	LF	\$ _____	\$ _____
10	108.2	8" Gravity Sewer Pipe (SDR 35)	1,682.	LF	\$ _____	\$ _____
11	108.2	Import Trench Backfill	4,000.	CY	\$ _____	\$ _____
12	108.3	4" Sewer Service Tap to Existing Main	18.	EA	\$ _____	\$ _____
13	108.3	4" Sewer Service Tap to New Main	8.	EA	\$ _____	\$ _____
14	108.3	8" End Cap/Plug Sewer	1.	EA	\$ _____	\$ _____
15	108.3	Sanitary Sewer Cleanout (2-way) to Include Appurtenances per City Standard Detail SS-07.	26.	EA	\$ _____	\$ _____
16	108.5	Sanitary Sewer Basic Manhole Placed on Existing Line (60" I.D.) (Complete in Place).	2.	EA	\$ _____	\$ _____
17	108.5	Sanitary Sewer Basic Manhole Placed on Existing Line (48" I.D.) (Complete in Place).	1.	EA	\$ _____	\$ _____
18	108.5	Sanitary Sewer Basic Manhole (48" I.D.) (Complete in Place).	12.	EA	\$ _____	\$ _____
19	108.5	Sanitary Manhole Barrel Section (D>5') (60" I.D.).	6.	VLF	\$ _____	\$ _____
20	108.5	Sanitary Manhole Barrel Section (D>5') (48" I.D.).	33.6	VLF	\$ _____	\$ _____
21	108.5	Connect to Existing Manhole or Sewer Main	3.	EA	\$ _____	\$ _____
22	210	Adjust Sewer Manhole to Finished Grade.	15.	EA	\$ _____	\$ _____
23	104.4	Fully Encased Sewer in Concrete per City Standard Detail GU-04. See Plan Sheet 6.	11.	EA	\$ _____	\$ _____
24	104.4	Cap Top Half of Sewer in Concrete per City Standard Detail GU-04.	12.	EA	\$ _____	\$ _____
25	108.2	6" Water Pipe (C-900 PVC).	632.	LF	\$ _____	\$ _____
26	108.2	8" Water Pipe (C-900 PVC).	5,230.	LF	\$ _____	\$ _____
27	108.3	6" Gate Valve	17.	EA	\$ _____	\$ _____
28	108.3	8" Gate Valve	22.	EA	\$ _____	\$ _____
29	108.3	8" X 6" Tee	14.	EA	\$ _____	\$ _____
30	108.3	8" X 8" Tee	5.	EA	\$ _____	\$ _____
31	108.3	8" X 6" Cross	1.	EA	\$ _____	\$ _____

# Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

**Contractor:** \_\_\_\_\_

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
32	108.3	8" Cross	1.	EA	\$ _____	\$ _____
33	108.3	8", 22.5° Elbow	10.	EA	\$ _____	\$ _____
34	108.3	8", 45° Elbow	9.	EA	\$ _____	\$ _____
35	108.3	8", 11.25° Elbow	14.	EA	\$ _____	\$ _____
36	108.3	6", 45° Elbow	3.	EA	\$ _____	\$ _____
37	108.3	8" X 6" Reducer	4.	EA	\$ _____	\$ _____
38	108.3	8" X 4" Reducer	1.	EA	\$ _____	\$ _____
39	108.3	6" End Cap/Plug Water	4.	EA	\$ _____	\$ _____
40	108.3	Fire Hydrant Assembly	12.	EA	\$ _____	\$ _____
41	108.3	2" Tapping Saddle	27.	EA	\$ _____	\$ _____
42	108.3	2" Corporation Stop	27.	EA	\$ _____	\$ _____
43	108.3	Potable Water - 8" Tapping Sleeve	1.	EA	\$ _____	\$ _____
44	108.4	Water Service Line (2") (HDPE)	1,130.	LF	\$ _____	\$ _____
45	108.4	2" Water Service Assembly	27.	EA	\$ _____	\$ _____
46	202	Remove Water Valve	3.	EA	\$ _____	\$ _____
47	202	Remove Fire Hydrant	1.	EA	\$ _____	\$ _____
48	202	Abandon Water Valve	2.	EA	\$ _____	\$ _____
49	202	Abandon Water Pipe (Plug Remaining Ends with Concrete).	4.	EA	\$ _____	\$ _____
50	202	Remove Water Meter	2.	EA	\$ _____	\$ _____
51	210	Adjust Water Valve to Finished Grade	4.	EA	\$ _____	\$ _____
52	210	Adjust Water Meter to Finished Grade	2.	EA	\$ _____	\$ _____
53	210	Adjust Fire Hydrant to Finished Grade	1.	EA	\$ _____	\$ _____
54	108.2	Storm Drain Pipe - 72" x 24" Concrete Box Culvert	557.	LF	\$ _____	\$ _____
55	108.2	Storm Drain Pipe - 29" x 18" Concrete Horizontal Elliptical Arch Pipe.	895.	LF	\$ _____	\$ _____
56	108.2	Storm Drain Pipe - 48" Concrete Pipe	50.	LF	\$ _____	\$ _____
57	108.2	Storm Drain Pipe - 42" Concrete Pipe	363.	LF	\$ _____	\$ _____
58	108.2	Storm Drain Pipe - 36" Concrete Pipe	1,092.	LF	\$ _____	\$ _____
59	108.2	Storm Drain Pipe - 24" Concrete Pipe	853.	LF	\$ _____	\$ _____
60	108.2	Storm Drain Pipe - 18" Concrete Pipe	2,252.	LF	\$ _____	\$ _____
61	108.2	Storm Drain Pipe - 12" Concrete Pipe	703.	LF	\$ _____	\$ _____
62	108.2	Storm Drain Pipe - 8" PVC Pipe (C-900)	68.	LF	\$ _____	\$ _____
63	108.5	Storm Drain Manhole (48" I.D.)	6.	EA	\$ _____	\$ _____
64	108.5	Storm Drain Manhole (60" I.D.)	4.	EA	\$ _____	\$ _____
65	108.5	Storm Drain Manhole (60" I.D.) with Flat Top Lid	5.	EA	\$ _____	\$ _____
66	108.5	Storm Drain Manhole (72" I.D.)	1.	EA	\$ _____	\$ _____



# Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

**Contractor:** \_\_\_\_\_

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
67	108.6	Storm Drain - Outlet Structure - See "Water Quality Outlet Structure" to Include All Appurtenances (Complete in Place).	1.	EA	\$ _____	\$ _____
68	108.6	Storm Drain Inlet with Vertical Curb Opening (24" x 36")	20.	EA	\$ _____	\$ _____
69	108.6	Storm Drain Inlet with Drive Over Curb Opening (24" x 36")	2.	EA	\$ _____	\$ _____
70	108.6	Storm Drain - Large Area Inlet (24" x 36")	14.	EA	\$ _____	\$ _____
71	108.5	Storm Drain - Concrete Headwall (8'-9" wide x 9'-10" height) per CDOT M&S Standard Plan M-601-10 and 48" Flap	1.	EA	\$ _____	\$ _____
72	108.5	Storm Drain - Conflict Structure	1.	EA	\$ _____	\$ _____
73	108.5	Storm Drain - Access Manhole	3.	EA	\$ _____	\$ _____
74	108.5	Storm Drain - Access Inlet (24" x 36" I.D.) Vertical Curb Opening	1.	EA	\$ _____	\$ _____
75	108.6	Storm Drain - Access Inlet (24" x 36" I.D.) Area Inlet Opening	1.	EA	\$ _____	\$ _____
76	108.6	Storm Drain - 42" x 48" Tee Manhole	2.	EA	\$ _____	\$ _____
77	108.6	Storm Drain - 42" x 48" x 36" Tee Manhole	1.	EA	\$ _____	\$ _____
78	108.5	Storm Drain - 36" x (24" x 36" Box Leg) Tee Inlet Area Inlet Frame and Grate (24" x 36" Opening)	1.	EA	\$ _____	\$ _____
79	108.5	Storm Drain - 72" x 24" Prefabricated Pipe Elbow	2.	EA	\$ _____	\$ _____
80	108.5	Storm Drain - Inlet Over MH (Vertical Curb Opening) (24" x 36" I.D.)	2.	EA	\$ _____	\$ _____
81	108.5	Storm Drain - Inlet Over MH (Large Area Inlet Opening) (24" x 36" I.D.)	4.	EA	\$ _____	\$ _____
82	108.5	Storm Drain - Prefab Pipe Transition per Plan	1.	EA	\$ _____	\$ _____
83	108.6	Storm Drain - Manhole Barrel Section (D>5')(72" I.D.)	5.1	VLF	\$ _____	\$ _____
84	108.5	Storm Drain - Manhole Barrel Section (D>5')(60" I.D.)	2.2	VLF	\$ _____	\$ _____
85	108.5	Storm Drain - Manhole Barrel Section (D>5')(48" I.D.)	5.23	VLF	\$ _____	\$ _____
86	108.5	Core and Connect New 18" Storm Pipe to New Box Culvert	4.	EA	\$ _____	\$ _____
87	108.7	Granular Stabilization Material (Type B)	2,300.	TON	\$ _____	\$ _____
88	202	Remove Storm Drain Inlet	1.	EA	\$ _____	\$ _____
89	202	Remove 15" Flared End Section	1.	EA	\$ _____	\$ _____
90	202	Remove 15" Storm Pipe	90.	LF	\$ _____	\$ _____
91	202	Abandon Storm Pipe	1.	EA	\$ _____	\$ _____
92	210	Reset Storm Drain Inlet D1-252-099	1.	EA	\$ _____	\$ _____

# Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

**Contractor:** \_\_\_\_\_

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
93	210	Connect to and Adjust to Finished Grade Storm MH C4-252-017	1.	EA	\$ _____	\$ _____
94	210	Adjust Storm Manhole to Finished Grade	1.	EA	\$ _____	\$ _____
95	420	Geosynthetics - Mirifi RS580i or Approved Equal	5,600.	SY	\$ _____	\$ _____
96	506	Riprap (d50=12" to Include Geogrid)	40.	SY	\$ _____	\$ _____
97	203	Unclassified Excavation	43,790.	CY	\$ _____	\$ _____
98	203	Unclassified Embankment	67,341.	CY	\$ _____	\$ _____
99	203	Debris Processing and Removal	12,000.	CY	\$ _____	\$ _____
100	203	Colorado River Bank Stabilization	900.	LF	\$ _____	\$ _____
101	203	Import and Place Clean Fill	43,753.	CY	\$ _____	\$ _____
102	210	Adjust Pull Box to Finished Grade	9.	EA	\$ _____	\$ _____
103	210	Adjust Light Pole and Foundation to Finished Grade	2.	EA	\$ _____	\$ _____
104	613	Joint Trench with Broad Band (Site Electrical - Street LT Circuits (2)-2" Schedule 80 PVC conduit). Refer to Utility Trench Detail	32,600.	LF	\$ _____	\$ _____
105	613	Joint Trench with Site Electrical (Broad Band (3)-2" Schedule 80 PVC conduit). Refer to Utility Trench Detail	48,900.	LF	\$ _____	\$ _____
106	613	Joint Trench with XCEL Energy and Charter who provides and places their materials (Century Link - 4" Schedule 80 PVC conduit). Refer to Utility Trench Detail	16,300.	LF	\$ _____	\$ _____
107	613	Joint Trench with XCEL Energy and Charter who provides and places their materials (Century Link - 2" Schedule 80 PVC conduit). Refer to Utility Trench Detail	16,300.	LF	\$ _____	\$ _____
108	613	Large Splice Box (Quasite) ( 3' - 2 5/8" x 2'-2") Broadband Logo.	32.	EA	\$ _____	\$ _____
109	613	Splice Box (Provided by Others - Century Link)	20.	EA	\$ _____	\$ _____
110	613	Type One Pull Box	184.	EA	\$ _____	\$ _____
111	Elec	Wiring (Complete in Place)	1.	Lump Sum	\$ _____	\$ _____
112	Elec	Light Standard and Luminaire (Pedestrian)	150.	EA	\$ _____	\$ _____
113	Elec	Light Standard and Luminaire (Street)	15.	EA	\$ _____	\$ _____
114	Elec	Light Standard Foundation (Pedestrian)	150.	EA	\$ _____	\$ _____
115	Elec	Light Standard Foundation (Street)	15.	EA	\$ _____	\$ _____
116	Elec	Lighting Control Center PWR Pedestal (Special) (Complete in Place) to include Appurtenances	2.	EA	\$ _____	\$ _____
117	202	Remove Asphalt Mat		SY		
118	202	Remove Concrete	400.	SY	\$ _____	\$ _____

# Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

**Contractor:** \_\_\_\_\_

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
119	202	Romove Ground Sign	10.	EA	\$ _____	\$ _____
120	202	Remove High Voltage Overhead Power Pole Foundations	2.	EA	\$ _____	\$ _____
121	202	Remove Tree	10.	EA	\$ _____	\$ _____
122	202	Remove Property Pin (No Reference or Reset)	4.	EA	\$ _____	\$ _____
123	202	Remove Fencing (Includes All Gates and Associated Appurtenances.)	2,000.	LF	\$ _____	\$ _____
124	202	Remove Mail Box	1.	EA	\$ _____	\$ _____
125	202	Clearing and Grubbing	1.	Lump Sum	\$ _____	\$ _____
126	210	Reference/Reset Survey Monument	6.	EA	\$ _____	\$ _____
127	210	Reset Ground Sign	2.	EA	\$ _____	\$ _____
128	304	Aggregate Base Course (Class 6) (4" Thick)(Co. River Trail Shoulder)	1,015.	SY	\$ _____	\$ _____
129	304	Subgrade Stabilization - Aggregate Base Course (Class 3)(12" Thick)	5,600.	SY	\$ _____	\$ _____
130	304	Aggregate Base Course (Class 6) (13" Thick)	18,200.	SY	\$ _____	\$ _____
131	304	Aggregate Base Course (Class 6) (6" Thick)	30.	SY	\$ _____	\$ _____
132	306	Reconditioning (12" Deep)	25,000.	SY	\$ _____	\$ _____
133	401	Hot Mix Asphalt (5" Thick) (Grading SX 75, Binder Grade 64-22) (Roadways)	5,000.	TON	\$ _____	\$ _____
134	401	Hot Mix Asphalt (3" Thick) (Grading SX 75, Binder Grade 64-22) (Driveways)	5.	TON	\$ _____	\$ _____
135	627	Preformed Thermoplastic Pavement Marking (Handicap Symbol)	4.	EA	\$ _____	\$ _____
136	627	Preformed Thermoplastic Pavement Marking (X-walk) (2' x 10' TYP.)	131.	EA	\$ _____	\$ _____
137	627	Preformed Thermoplastic Pavement Marking (8" White Dotted Line, 2' Segment, 3' Gap)	100.	LF	\$ _____	\$ _____
138	627	Preformed Thermoplastic Pavement Marking (4" White Solid)	2,750.	LF	\$ _____	\$ _____
139	627	Preformed Thermoplastic Pavement Marking (2' White Solid)	170.	LF	\$ _____	\$ _____
140	630	Traffic Control (Complete In Place)	1.	Lump Sum	\$ _____	\$ _____
141	630	Traffic Control Plan	1.	Lump Sum	\$ _____	\$ _____
142	202	Remove Asphalt Mat	40.	SY	\$ _____	\$ _____
143	202	Remove Concrete	313.	SY	\$ _____	\$ _____
144	202	Remove Pull Box	2.	EA	\$ _____	\$ _____
145	202	Remove Concrete Pole Box	3.	EA	\$ _____	\$ _____
146	202	Remove Tree	7.	EA	\$ _____	\$ _____

# Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

**Contractor:** \_\_\_\_\_

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
147	203	Unclassified Excavation	437.	CY	\$ _____	\$ _____
148	208	Erosion Control (Complete in Place)	1.	Lump Sum	\$ _____	\$ _____
149	304	Aggregate Base Course (Class 6) (8" Thick) (Left Turn Lane)	565.	SY	\$ _____	\$ _____
150	401	Hot Mix Asphalt (6" Thick) (Grading SX, Binder Grade 64-22) (Left Turn Lane)	187.	TON	\$ _____	\$ _____
151	608	Concrete Bullnose End Section (8" Thick) to include 6" of Class 6 Aggregate Base Course	5.	SY	\$ _____	\$ _____
152	608	Concrete Curb and Spill Gutter (1.5' Wide) to include 6" of Class 6 Aggregate Base Course.	320.	LF	\$ _____	\$ _____
153	608	Concrete Median Edging (2' Wide) (Colored Concrete) (Davis Colors Sunset Rose) to include 6" of Class 6 Aggregate Base Course	40.	LF	\$ _____	\$ _____
154	608	Concrete Cover Material (Colored Concrete) (Davis Colors Sunset Rose) (4" Thick) to include 6" of Class 6 Aggregate Base Course	185.	SY	\$ _____	\$ _____
155	627	Preformed Thermoplastic Pavement Marking (Left Turn Symbol)	2.	EA	\$ _____	\$ _____
156	630	Traffic Control (Complete In Place)	1.	Lump Sum	\$ _____	\$ _____
157	630	Traffic Control Plan	1.	Lump Sum	\$ _____	\$ _____
158	SP	Safe Hit Flexible Delineator (SH248GP3--WS 09) to include 4" PVC Sleeve	2.	EA	\$ _____	\$ _____
159	608	Concrete Pavement (Roundabout) (10" Thick) to include 6" Class 6 Aggregate Base Course	1,415.	SY	\$ _____	\$ _____
160	608	Concrete Curb and Spill Gutter (1.5' Wide) to include 6" of Class 6 Aggregate Base Course.	1,705.	LF	\$ _____	\$ _____
161	608	Concrete Truck Apron (Roundabout) (10" Thick) to include 6" of Class 6 Aggregate Base Course	310.	SY	\$ _____	\$ _____
162	608	Concrete Curb (6" Wide) (6" High) to include 6" of Class 6 Aggregate Base Course.	975.	LF	\$ _____	\$ _____
163	608	Concrete Curb and Gutter (2' Wide) (Both Collector and Spill Gutters) to include 6" of Class 6 Aggregate Base Course.	9,500.	LF	\$ _____	\$ _____
164	608	Concrete Drive-Over Curb and Gutter both 3' and 3.5' Wide and Both Collector and Spill Gutter to include 6" of Class 6 Aggregate Base Course.	1,075.	LF	\$ _____	\$ _____

# Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

**Contractor:** \_\_\_\_\_

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
165	608	Concrete Sidewalk (6" Thick) to include 6" of Class 6 Aggregate Base Course	13,875.	SY	\$ _____	\$ _____
166	608	Concrete Pavement (Parking & Plain Color Paving Bike Park Plaza) (8" Thick) to include 6" of Class 6 Aggregate Base Course.	4,725.	SY	\$ _____	\$ _____
167	608	Concrete Sculpture Pad (Bike Park Plaza) (8" Thick) to include 6" of Class 6 Aggregate Base Course and Reinforcement as Specified.	20.	SY	\$ _____	\$ _____
168	608	Concrete Pavement Band (Bike Park Plaza) (8" Thick) (Color Landscape per Landscape Plans) to include 6" of Class 6 Aggregate Base Course.	80.	SY	\$ _____	\$ _____
169	608	Concrete Drainage Pan (3' Wide) to include 6" of Class 6 Aggregate Base	307.	LF	\$ _____	\$ _____
170	608	Concrete Drainage Pan (6' Wide) to include 6" of Class 6 Aggregate Base	27.	LF	\$ _____	\$ _____
171	608	Concrete Intersection Corner (8" Thick) to include 6" of Class 6 Aggregate Base Course. Includes All Items Labeled as Concrete Bullnose End Section and Concrete Corner Fillet on the Plans.	85.	SY	\$ _____	\$ _____
172	608	Concrete Curb Ramp to include 6" of Class 6 Aggregate Base Course.	600.	SY	\$ _____	\$ _____
173	608	Concrete Driveway Section (8" Thick) (Commercial) to include 6" Class 6 Aggregate Base Course.	190.	SY	\$ _____	\$ _____
174	608	Detectable Warning (Cast Iron, Wet Set (2'x2'))	150.	EA	\$ _____	\$ _____
175	RAW 108.2	4" Raw Water Pipe (C-900 PVC)	255.	LF	\$ _____	\$ _____
176	RAW 108.2	8" Raw Water Pipe (C-900 PVC)	2,585.	LF	\$ _____	\$ _____
177	RAW 108.2	10" Raw Water Pipe (C-900 PVC)	2,500.	LF	\$ _____	\$ _____
178	RAW 108.3	Raw Water - 4" Gate Valve	5.	EA	\$ _____	\$ _____
179	RAW 108.3	Raw Water - 8" Butterfly Valve	7.	EA	\$ _____	\$ _____
180	RAW 108.3	Raw Water - 10" Butterfly Valve	3.	EA	\$ _____	\$ _____
181	RAW 108.3	Raw Water - Combination Air Valve and Vault Assembly. Complete in Place	8.	EA	\$ _____	\$ _____
182	RAW 108.3	Raw Water - 8" x 4" Tee	3.	EA	\$ _____	\$ _____
183	RAW 108.3	Raw Water - 8" x 8" Tee	2.	EA	\$ _____	\$ _____
184	RAW 108.3	Raw Water - 8" Cross	1.	EA	\$ _____	\$ _____
185	RAW 108.3	Raw Water - 10" x 4" Tee	2.	EA	\$ _____	\$ _____
186	RAW 108.3	Raw Water - 10" x 10" Tee	1.	EA	\$ _____	\$ _____
187	RAW 108.3	Raw Water - 4", 11.25° Elbow	5.	EA	\$ _____	\$ _____

# Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

**Contractor:** \_\_\_\_\_

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
188	RAW 108.3	Raw Water - 4", 22.5° Elbow	5.	EA	\$ _____	\$ _____
189	RAW 108.3	Raw Water - 8", 11.25° Elbow	6.	EA	\$ _____	\$ _____
190	RAW 108.3	Raw Water - 8", 22.5° Elbow	14.	EA	\$ _____	\$ _____
191	RAW 108.3	Raw Water - 8", 45° Elbow	10.	EA	\$ _____	\$ _____
192	RAW 108.3	Raw Water - 8", 90° Elbow	1.	EA	\$ _____	\$ _____
193	RAW 108.3	Raw Water - 10", 11.25° Elbow	11.	EA	\$ _____	\$ _____
194	RAW 108.3	Raw Water - 10", 22.5° Elbow	16.	EA	\$ _____	\$ _____
195	RAW 108.3	Raw Water - 10", 45° Elbow	6.	EA	\$ _____	\$ _____
196	RAW 108.3	Raw Water - 8" x 4" Reducer	4.	EA	\$ _____	\$ _____
197	RAW 108.3	Raw Water - 10" x 8" Reducer	1.	EA	\$ _____	\$ _____
198	RAW 108.3	Raw Water - 10" x 4" Reducer	1.	EA	\$ _____	\$ _____
199	RAW 108.3	Raw Water - 8" End Cap/Plug	1.	EA	\$ _____	\$ _____
200	RAW 108.3	Raw Water - 4" End Cap/Plug	10.	EA	\$ _____	\$ _____
201	RAW 202	Remove Raw Water Blow off Assembly	1.	EA	\$ _____	\$ _____
202	LSC in ROW	Soil Amendment, Delivered, Tilled, Spread	41,265.	SF	\$ _____	\$ _____
203	LSC in ROW	Shrub Bed - Fine Grade, Rock Mulch	41,265.	SF	\$ _____	\$ _____
204	LSC in ROW	Riparian Restoration	108,900.	SF	\$ _____	\$ _____
205	LSC in ROW	Irrigation System	1.	Lump Sum	\$ _____	\$ _____
206	LSC in ROW	Trees, 2" Deciduous	70.	EA	\$ _____	\$ _____
207	LSC in ROW	Trees, 1-1/2" Deciduous	66.	EA	\$ _____	\$ _____
208	LSC in ROW	Evergreen Trees, 6 FT	12.	EA	\$ _____	\$ _____
209	LSC in ROW	Shrubs	1,021.	EA	\$ _____	\$ _____
210	LSC in ROW	Perennials	45.	EA	\$ _____	\$ _____
211	LSC in ROW	Boulders, 3'X2'	43.	EA	\$ _____	\$ _____
212	LSC in ROW	Additional Sleeving - 6" PVC CL 200	1,700.	LF	\$ _____	\$ _____
213	LSC in Park	Restroom Shelter	1.	EA	\$ _____	\$ _____
214	LSC in Park	Small Shelters	1.	Lump Sum	\$ _____	\$ _____
215	LSC in Park	Modular Block Walls (Versa-Lok)(Park Plaza Amphitheater)	424.	FF	\$ _____	\$ _____
216	LSC in Park	Concrete Landscape Edger	45.	LF	\$ _____	\$ _____
217	LSC in Park	Play Area Barrier Curb	290.	LF	\$ _____	\$ _____
218	LSC in Park	Engineered Wood Fiber Play Material	319.	CY	\$ _____	\$ _____
219	LSC in Park	Play Area ADA Ramp	2.	EA	\$ _____	\$ _____
220	LSC in Park	Concrete Stain Treatment	741.	SF	\$ _____	\$ _____
221	LSC in Park	Benches	10.	EA	\$ _____	\$ _____
222	LSC in Park	Bike Racks - (Inverted "U") Style	5.	EA	\$ _____	\$ _____
223	LSC in Park	Trees, 2" Deciduous	59.	EA	\$ _____	\$ _____
224	LSC in Park	Trees, 1-1/2" Deciduous	5.	EA	\$ _____	\$ _____
225	LSC in Park	Shrubs	128.	EA	\$ _____	\$ _____
226	LSC in Park	Perennials	24.	EA	\$ _____	\$ _____

# Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

**Contractor:** \_\_\_\_\_

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
227	LSC in Park	Boulders, 3' x 2'	10.	EA	\$ _____	\$ _____
228	LSC in Park	Boulders, 3' x 5'	14.	EA	\$ _____	\$ _____
229	LSC in Park	Lawn Fine Grade, Seed	45,683.	SF	\$ _____	\$ _____
230	LSC in Park	Irrigation System	1.	Lump Sum	\$ _____	\$ _____
231	LSC in Park	Soil Amendment, Delivered, Tilled, Spread	50,383.	SF	\$ _____	\$ _____
232	LSC in Park	Shrub Bed - Fine Grade, Rock Mulch	4,700.	SF	\$ _____	\$ _____
233	LSC Bike Prk	Lawn Fine Grade, Seed	25,500.	SF	\$ _____	\$ _____
234	LSC Bike Prk	Lawn Irrigation	25,500.	SF	\$ _____	\$ _____
235	LSC Bike Prk	Irrigation Controls	1.	Lump Sum	\$ _____	\$ _____
236	LSC Bike Prk	Soil Amendment, Delivered, Tilled, Spread	25,000.	SF	\$ _____	\$ _____
237	LSC Bike Prk	Split 2-Rail Fence, Cedar, Not incl. Future Track or Pump Park	965.	LF	\$ _____	\$ _____
238	LSC Bike Prk	Concrete Landscape Edger, Not incl. Future Track or Pump Park	968.	LF	\$ _____	\$ _____
239	LSC Bike Prk	Trees, 2" Deciduous	26.	EA	\$ _____	\$ _____
240	LSC Bike Prk	Trees, 1-1/2" Deciduous	8.	EA	\$ _____	\$ _____
241	LSC Bike Prk	Rock Type 1 (Smaller), not incl. Future Track or Pump Park, no Fabric or Soil Prep	11,291.	SF	\$ _____	\$ _____
242	LSC Bike Prk	Rock Type 2 (Larger), not incl. Future Track or Pump Park, no Fabric or Soil Prep	17,106.	SF	\$ _____	\$ _____
243	Amenities	Trash Recepticals	5.	EA	\$ _____	\$ _____
244	Amenities	Drinking Fountains	1.	EA	\$ _____	\$ _____
245	Amenities	Concrete for Bike/Racks Bollards (8 ft x 8 ft)	5.	EA	\$ _____	\$ _____
246	Amenities	Picnic Tables Associated with Restrooms/Shelters	8.	EA	\$ _____	\$ _____
MCR		Minor Contract Revisions	---	---	---	\$ <u>320,000.00</u>

**Bid Amount:** \$ \_\_\_\_\_

**Bid Amount:** \_\_\_\_\_ dollars



# Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: \_\_\_\_\_

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
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<b>Contractor Name:</b>
<b>Contractor Address:</b>
<b>Contractor Phone #:</b>

## SECTION 10 73 46 PRE-FABRICATED SITE SHELTERS

### **PART 1 GENERAL**

#### 1.1 SUMMARY

- A. Design, fabrication, finishing, and delivery of pre-engineered, factory-fabricated site shelters.
- B. Site work related to installation, by Contractor or Owner, including:
  - 1. Unloading and temporary storage, if any.
  - 2. Soil testing, if necessary.
  - 3. Site preparation.
  - 4. Column foundations, rebar, anchor bolts, and anchor embedment.
  - 5. Concrete slab and embedment.
  - 6. Erection.
  - 7. Field touch up painting of factory finishes, if necessary.
- C. Site access for delivery vehicles to be provided by Owner.
- D. Related Sections: Section 033000 - Cast-In-Place Concrete: Concrete footings and slabs.

#### 1.2 SYSTEM DESCRIPTION

- A. Design shall meet or exceed applicable building code.
- B. Pre-fabricated package shall include structural steel framing members, pre-cut roof panels, trim, and fasteners.
- C. All bolts shall be hidden, concealed inside the steel tubes.
- D. Field labor required to install the pre-fabricated parts. Onsite welding shall not be required or permitted.

#### 1.3 REFERENCES

- A. American Society of Testing Material (ASTM)
  - 1. ASTM A325 - Standard Specification for Structural Bolts, Steel, Heat Treated
  - 2. ASTM A500 - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes
  - 3. ASTM A563 - Standard Specification for Carbons and Alloy Steel Nuts
  - 4. ASTM A572 - Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel
  - 5. ASTM F1554 – Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength
- B. American Institute of Steel Construction (AISC)

- C. American Welding Society (AWS)
- D. Steel Structures Painting Council (SSPC); SSPC-SP10 - Near-White Blast Cleaning
- E. Leadership in Energy and Environmental Design (LEED)
- F. OSHA Standards 29 CFR, Part 1926, Subpart R (Steel Erection), Standard Number 1926.755: Compliance requires a minimum of four anchor bolts per column.

#### 1.4 QUALITY ASSURANCE

- A. Designer Qualifications: Design under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State where the Project is located.
- B. Manufacturer Qualifications: Company experienced in design and manufacture of shelters of the type specified, and having the following:
  - 1. Minimum five years of experience in design and fabrication of pre-fabricated steel shelters.
  - 2. Three references of similar shelters completed within the past year.
  - 3. Fabricator membership in American Institute of Steel Construction (AISC), requiring quality control documentation and procedures. Provide current AISC shop certification upon request.
  - 4. All welding to be performed to AWS standards by AWS certified welders. Provide welding certification upon request.
- C. Perform the work in accordance with applicable federal, State, and local building and safety codes and regulations.

#### 1.5 SUBMITTALS

- A. Minimum 5 sets of shop drawings, showing all details of construction, including foundation sizes, reinforcement, and locations.
  - 1. Provide the licensed professional engineer's state stamp or seal on the shop drawings.
  - 2. Provide the licensed professional engineer's state stamp or seal on the structural calculations.
- B. Selection Samples: For each finish product specified, color charts representing manufacturer's full range of available colors.
- C. Warranty
  - 1. Provide minimum five year frame warranty against manufacturer defects.
  - 2. Provide roofing manufacturer's limited warranty.

#### 1.6 DELIVERY, STORAGE, AND PROTECTION

- A. Package factory-finished steel components in foam, cardboard, and stretch wrap to protect the finish during transit.

- B. Shipped knocked down for minimal shipping charges.
- C. Deliver products to project site in manufacturer's protective packaging.
- D. Follow shelter manufacturer's recommendations and instructions, including those printed on the shop drawings. To minimize damage during unloading, use only padded forks or non-marring slings.
- E. Store products in manufacturer's unopened packaging well off the ground and covered out of weather until ready for installation.

## **PART 2 PRODUCTS**

### **2.1 GENERAL**

- A. Model: TS-CL1616-0406 as manufactured by RCP Shelters, Inc.
- B. Size and dimensions
  - 1. Shape: square
  - 2. Dimensions: 16' x 16'
  - 3. Roof Style: clerestory gable
  - 4. Roof Pitch: 4:12 & 6:12
  - 5. Eave Height: minimum 7'-6"
  - 6. Quantity: 2
- C. Approved Manufacturer: RCP Shelters, Inc.
  - 1. 2100 SE Rays Way, Stuart, FL 34994.
  - 2. Toll Free: 800-525-0207
  - 3. Fax: 772-288-0207
  - 4. Website: [www.rcpshelters.com](http://www.rcpshelters.com)
  - 5. Email: [info@rcpshelters.com](mailto:info@rcpshelters.com)
- D. Substitutions: Products other than specified must request and receive approval in writing by addendum at least ten (10) days prior to the bid date. See Instructions to Bidders for further instructions.

### **2.2 STEEL STRUCTURAL COMPONENTS**

- A. Structural Framing: fabricated for field assembly using bolted connections with no welding required or permitted; cold-formed shapes prohibited.
  - 1. Columns & Beams: ASTM A500 Grade C structural steel tube. The following shapes are prohibited: I-beams, wide-flange beams, C-channels, Z-shapes.
  - 2. Plates: ASTM A572 Grade 50.
  - 3. Compression Ring: steel plate, ASTM A572 Grade 50.
  - 4. Fasteners
    - a. Bolts: ASTM A325 high strength bolts.
    - b. Nuts: ASTM A563 high strength nuts.
  - 5. Column Anchors: ASTM F1554 Grade 36, provided by Contractor or Owner, attached to top of foundation, recessed below slab on grade.

6. Cap plates: factory bent and field installed with hidden fasteners on hip and ridge beams not normal to roof so that metal roof deck does not bear structurally on beam corner only
  7. Finish: Powder Coat
    - a. Pre-blast inspection to catch and remove oil, grease, and other coatings impeding contaminants
    - b. Steel grit blasted to near white condition in accordance with SSPC-SP10, removing all oil residue, mil scale, weld spatter, and slag
    - c. Five stage phosphate wash (includes detergent, phosphate, rust protectant sealant)
    - d. Epoxy powder coat primer
    - e. Double topcoat TGIC polyester powder coat; color to be selected from manufacturer's standard color chart by Owner.
    - f. Primer plus finish coats shall be 7-12 mils thick
    - g. All materials inspected to meet 100% coating, proper cure, film thickness, and impact resistance
    - h. Wet-coat alternatives shall not be acceptable.
- B. Roof System: Galvalume® structural metal roof panels with exposed fasteners.
1. Acceptable Panel Profiles:
    - a. Galvalume® panels with 1-3/16" high ribs, 12" on center.
    - b. Galvalume® panels with 1-1/2" high ribs, 7.2" on center.
  2. Panel Gauge: minimum 24-gauge.
  3. Panel Width: 3'-0".
  4. Panel Length: Precut to the length from the eave to the ridge; angles factory precut.
  5. Panel Orientation: Ribs shall run with the pitch of the roof for proper drainage.
  6. Trim: Provide matching roof trim and fasteners.
  7. Finish: Factory pre-finished with Kynar 500® paint system; color to be selected by Owner from standard color chart.

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- A. Verify that site earthwork has been performed as required for satisfactory installation.

### **3.2 PREPARATION**

- A. Install footings and column anchors of size, design, and location as specified by shelter manufacturer on approved shop drawings.

### **3.3 INSTALLATION**

- A. Perform installation in accordance with applicable federal, State, and local building and safety codes.
- B. Structural special inspections, if required, are to be arranged and paid for by the Contractor or Owner.

- C. Install shelter in accordance with manufacturer's approved shop drawing and good construction practices.
- D. Install slab in accordance with shelter manufacturer's shop drawings. Slab perimeter dimensions determined by Owner.

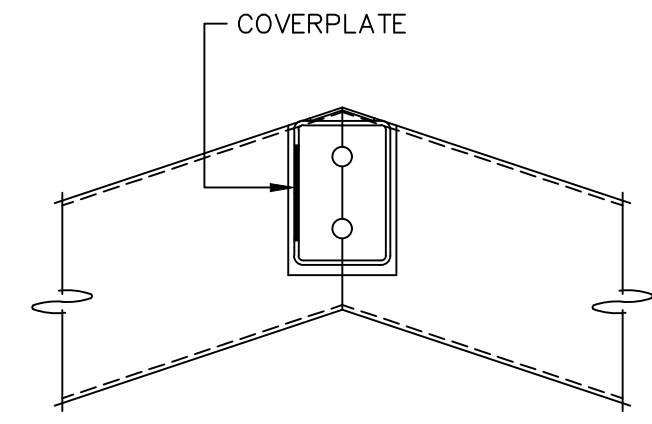
#### 3.4 CLEANING AND PROTECTION

- A. Clean installed work to like-new condition.
- B. Protect installed products until completion of project.
- C. Touch-up, repair, or replace damaged finishes before Substantial Completion. Touch up paint provided by manufacturer.

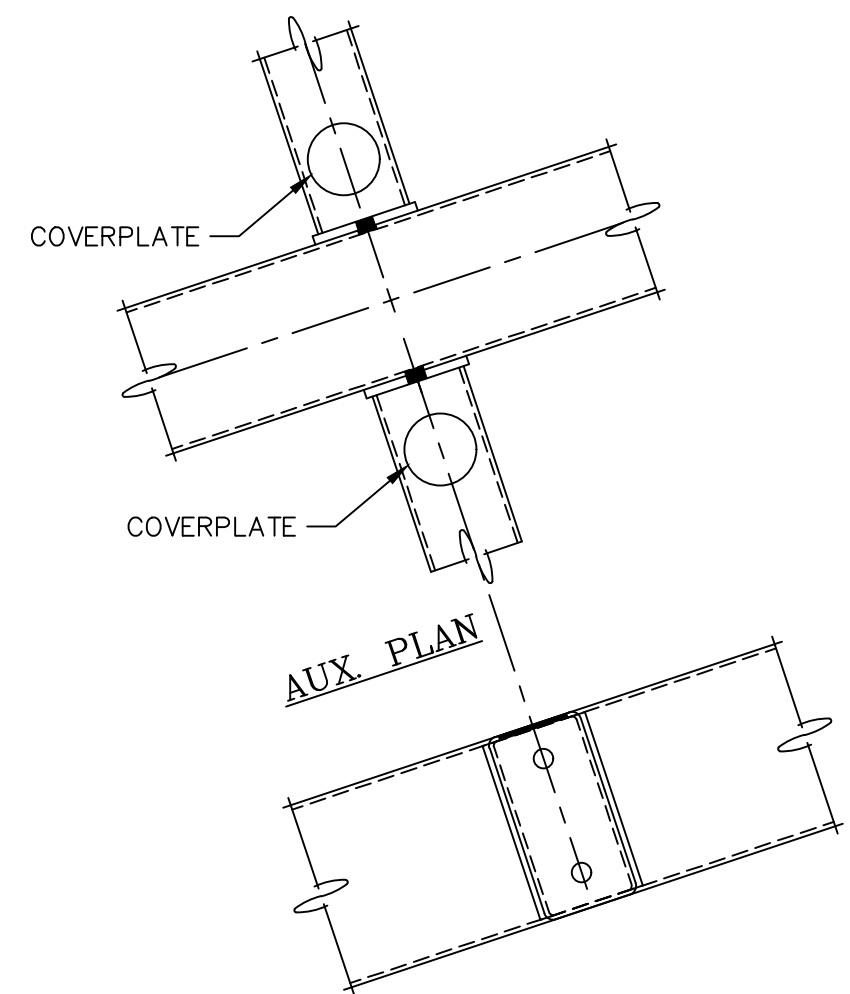
END OF SECTION

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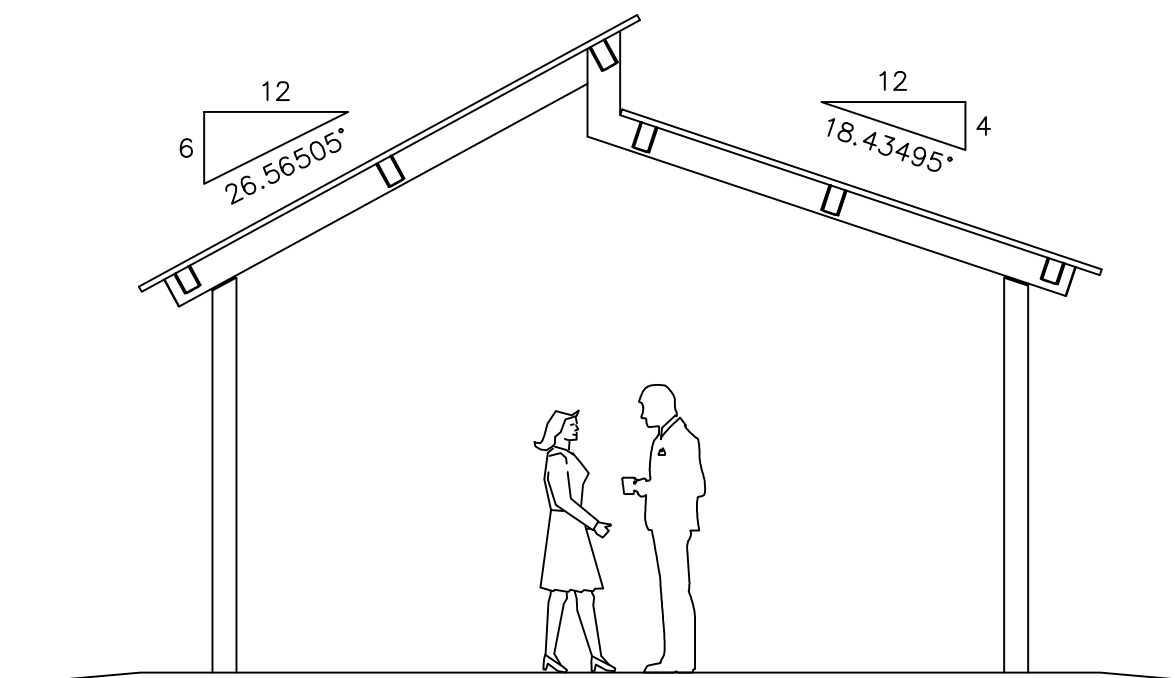
TS-CL1616-0406



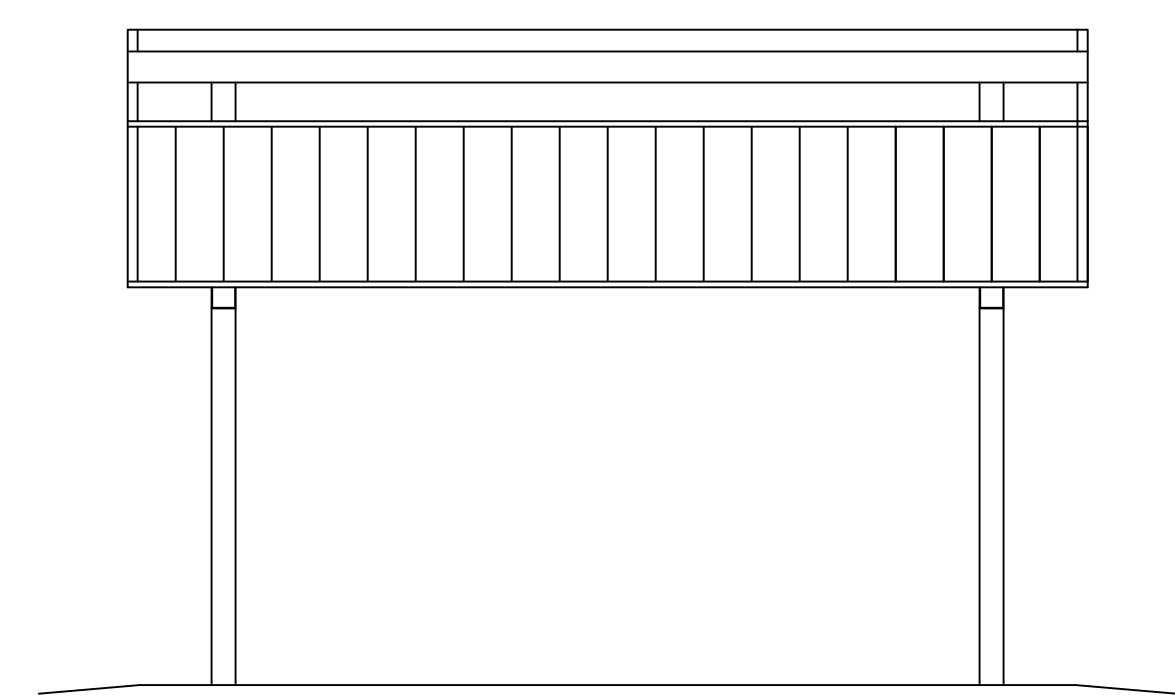
RIDGE PURLIN TO FRAME CONNECTION



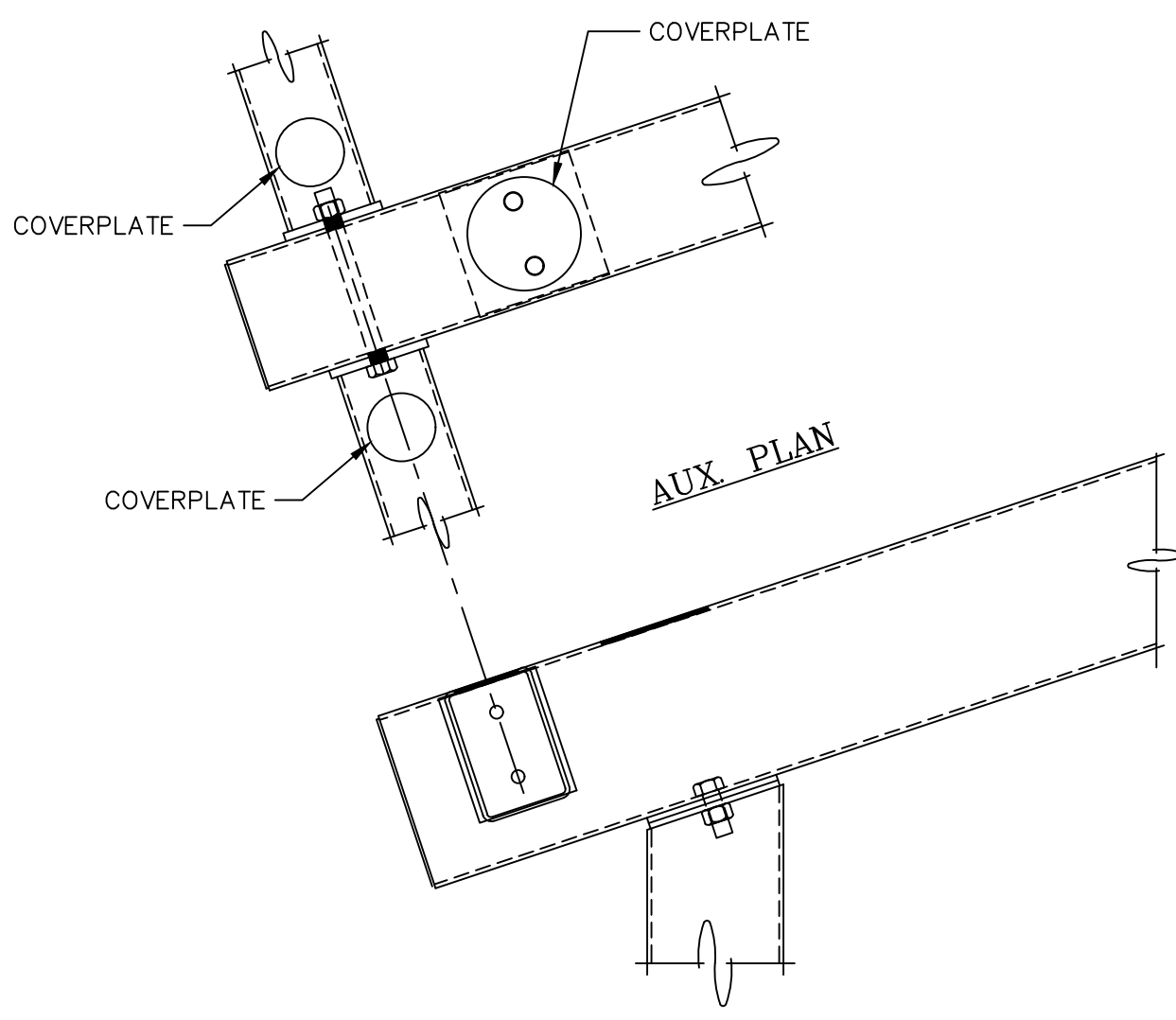
PURLIN TO FRAME CONNECTION



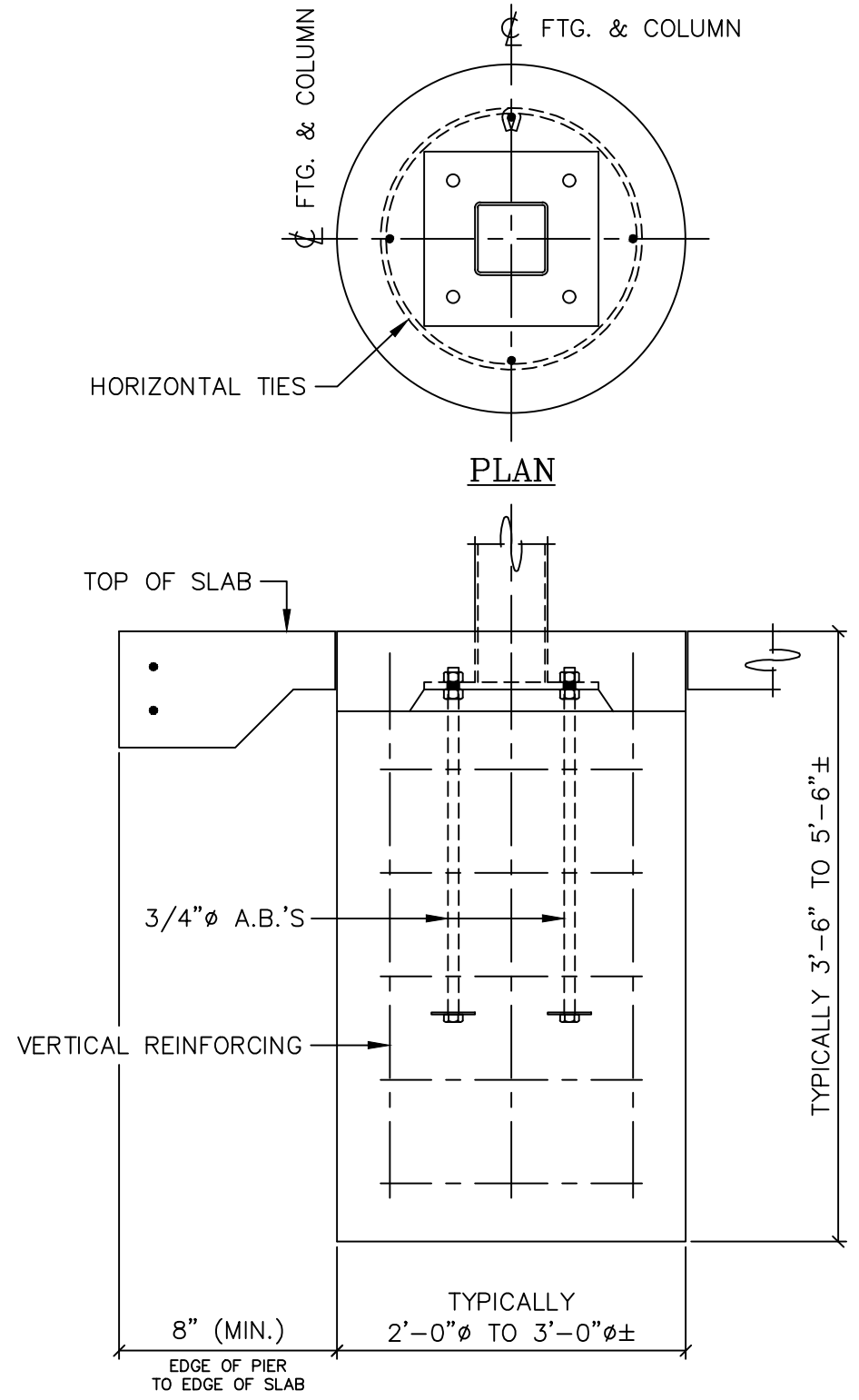
END ELEVATION



SIDE ELEVATION

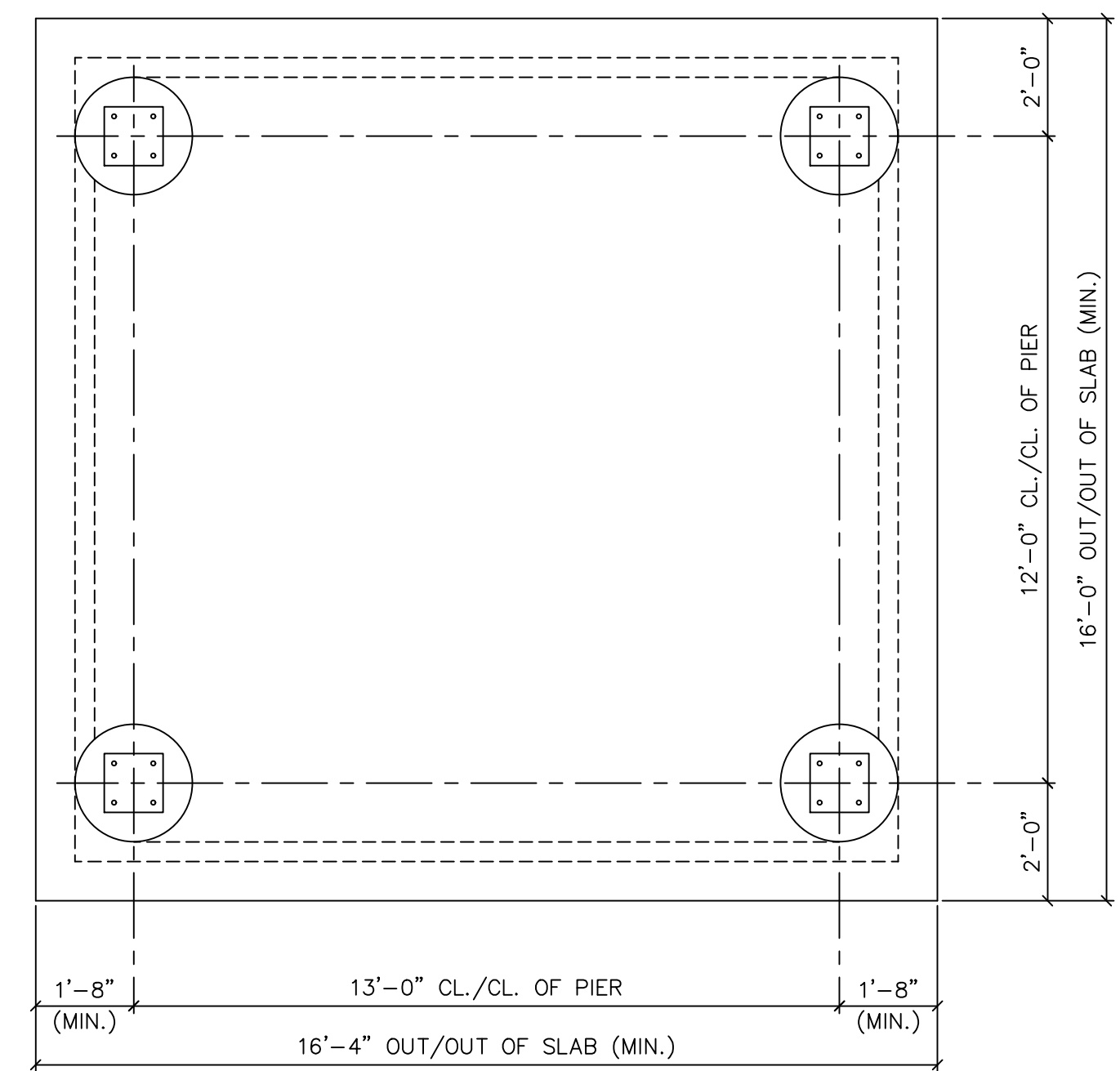


COLUMN TO FRAME CONNECTION

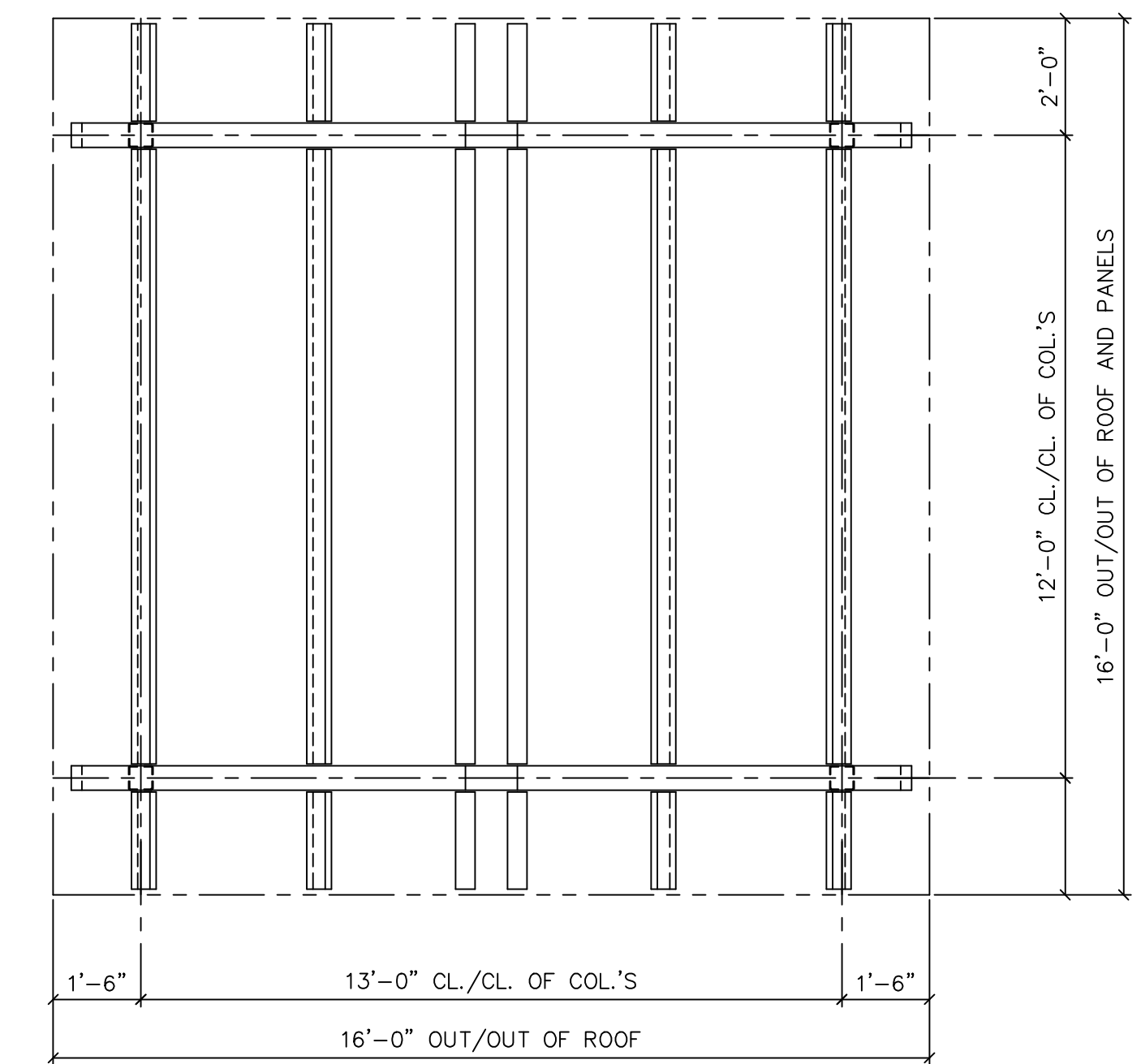


COLUMN PIER DETAIL

ACTUAL DESIGN WILL VARY DUE TO BUILDING CODE REQUIREMENTS AND MAY BE SUBSTANTIALLY LARGER

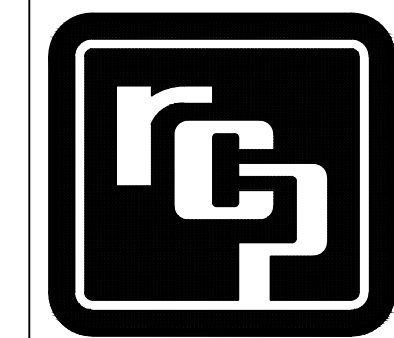


FOUNDATION PLAN



ROOF FRAMING PLAN

**RCP SHELTERS, INC.**  
 2100 SE RAYS WAY STUART, FL 34994 PO BOX 25 STUART, FL 34995-0025  
 ■ SHELTERS ■ PAVILIONS ■ CONCESSIONS ■ KIOSKS ■ FABRIC SHADE ■ RESTROOMS ■ BANDSHELLS ■ MINI-SHELTERS ■ DUGOUTS ■ FABRIC SAIL  
 Phone 800-525-0207 Fax 772-288-0207  
 www.rcpselters.com Email info@rcpselters.com



PROJ. NO.:  
 DRAWN:  
 CHK'D:  
 REV 1:  
 REV 2:  
 REV 3:  
 REV 4:  
 REV 5:  
 CAD NO.:  
 EEC JOB NO.:  
 SHEET NO.:



# THE RIVERFRONT AT DOS RIOS BID SET PLANS June 18, 2020

## Site Development Plans

- 1 Cover Sheet
- 2 Standard Abbreviations, Legend, & Symbols
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- 304-310 Irrigation and Landscape Plans

## Dos Rios Right-of-Way Irrigation And Landscape Plans

- 311-322 Irrigation and Landscape Plans

## Dos Rios Park Restroom / Shelter Plans

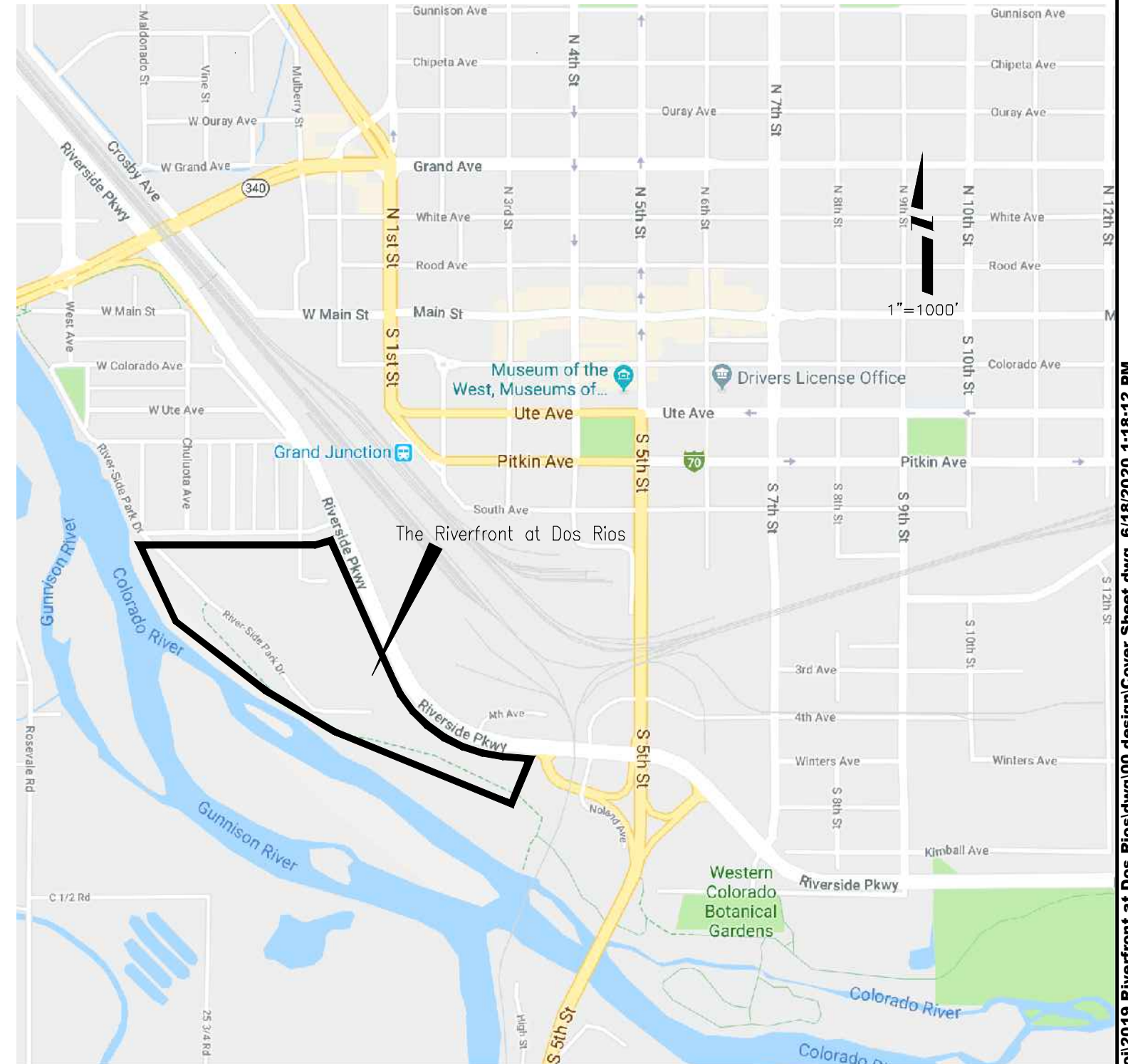
- 323-348 Restroom Plans

## Dos Rios Park small Shelter Plans

- 349-352 Shelter Plans

## Lighting Plans

- 353-393 Lighting Plans



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	JCS	DATE	2019	SCALES:
REVISION			DESIGNED BY	JCS	DATE	2019	PLAN & PROFILE
REVISION			CHECKED BY	BH	DATE	2019	0 NA HORIZONTAL NA
REVISION			APPROVED BY	ICP	DATE	2019	0 NA VERTICAL NA



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
COVER SHEET - 1  
June 18, 2020

**ABBREVIATIONS**

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT
AP	ANGLE POINT
ASB	ANCHORED STRAW BALES
ASP	ALUMINIZED STEEL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BACK OF CURB
BF	BUTTERFLY VALVE
BOW	BACK OF WALK
BCR	BEGIN CURB RETURN
BOT	BOTTOM
BSWMP	BETTER STORM WATER MANAGEMENT PRACTICES
CH	CHORD
CAP	CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CI	CAST IRON
C,G,& SW	CURB, GUTTER & SIDEWALK
CL	CENTER LINE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COMB	COMBINATION (AS IN STORM SEWER AND SANITARY SEWER)
CONC	CONCRETE
CSM	CITY SURVEY MONUMENT
CSP	CORRUGATED STEEL PIPE
CU	COPPER
DI	DUCTILE IRON
DWY	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
FM	FLANGE
FO	FORCE MAIN
FS	FIBER OPTICS
FTG	FAR SIDE
G	FOOTING
GB	GAS
GM	GRADE BREAK
GV	GAS METER
HBP	GATE VALVE
HDPE	HOT BITUMINOUS PAVEMENT
INV	HIGH DENSITY POLYETHYLENE
IRR	INVERT
L	IRRIGATION
LC	LENGTH OF ARC
LF	LONG CHORD
LL	LINEAR FEET
LS	LONG ARC
LT	SHORT ARC
MB	LEFT
MCSM	MAILBOX
MH	MESA COUNTY SURVEY MONUMENT
MJ	MANHOLE
MW	MECHANICAL JOINT
N/A	MILL WRAP
NIC	NOT APPLICABLE
NOP	NOT IN CONTRACT
NRCP	NO ONE PERSON
NS	NON-REINFORCED CONCRETE PIPE
NTS	NEAR SIDE
OHT	NOT TO SCALE
OC	OVERHEAD POWER
PC	OVERHEAD TELEPHONE
PCC	POINT OF CURVATURE
PE	POINT OF COMPOUND CURVATURE
PERF	POLYETHYLENE
PI	PERFORATED
PIP	POINT OF INTERSECTION
POT	PLASTIC IRRIGATION PIPE
PR	POINT ON CURVE
PRC	POINT ON TANGENT
PT	PROPOSED
PVC	POINT OF REVERSE CURVATURE
R	POINT OF TANGENCY
RCP	POLYVINYL CHLORIDE
REQ'D	RADIUS
RG	REINFORCED CONCRETE PIPE
RL	REQUIRED
ROW	RESTRAINED GLANDS
RP	LONG RADIUS
RR	RIGHT OF WAY
RS	RADIUS POINT
RT	RAIL ROAD
S	SHORT RADIUS
SC	RIGHT
SCD	SLOPE
SCH	SANITARY
SF	SHORT CHORD
SL	STANDARD CONTRACT DOCUMENTS
SSRB	SCHEDULE
SSUU	SILT FENCE
STA	SECTION LINE
STL	STATION
STM	STEEL
T	STORM
TAN	TELEPHONE
TC	LENGTH OF TANGENT
TH	TOP OF CURB
TV	TEST HOLE
(TYP)	TELEVISION
UU	TYPICAL
VC	UNDERGROUND UTILITIES
VCP	VERTICAL CURVE
VPC	VITRIFIED CLAY PIPE
VPCC	VERTICAL POINT OF CURVATURE
VPRC	VERTICAL POINT OF COMPOUND CURVATURE
VPI	VERTICAL POINT OF REVERSE CURVATURE
VPT	VERTICAL POINT OF INTERSECTION
W	VERTICAL POINT OF TANGENCY
Δ	WATER
	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) (THIS CASE A WATER LINE)	
UTILITY LINE (CABLE TV)	
UTILITY LINE (ELECTRIC)	
UTILITY LINE (FIBER OPTIC)	
UTILITY LINE (GAS)	
UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER)	
UTILITY LINE (OVERHEAD POWER)	
UTILITY LINE (OVERHEAD TELEPHONE)	
UTILITY LINE (SANITARY SEWER)	
UTILITY LINE (SANITARY SEWER FORCE MAIN)	
UTILITY LINE (SANITARY SEWER SERVICE)	
UTILITY LINE (STORM SEWER)	
UTILITY LINE (STORM SEWER, PERFORATED)	
UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	
UTILITY LINE (TELEPHONE)	
UTILITY LINE (WATER)	

**SYMBOLS**

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

NORTH ARROW:

BAR SCALE:

GRAPHIC SCALE

( IN FEET )  
1 inch = 20 ft.

REVISION Δ	DESCRIPTION	DATE	DRAWN BY JCS	DATE 2020
REVISION Δ			DESIGNED BY JCS	DATE 2020
REVISION Δ			CHECKED BY BH	DATE 2020
REVISION Δ			APPROVED BY JCP	DATE 2020

SEE PLAN FOR SCALE INFO



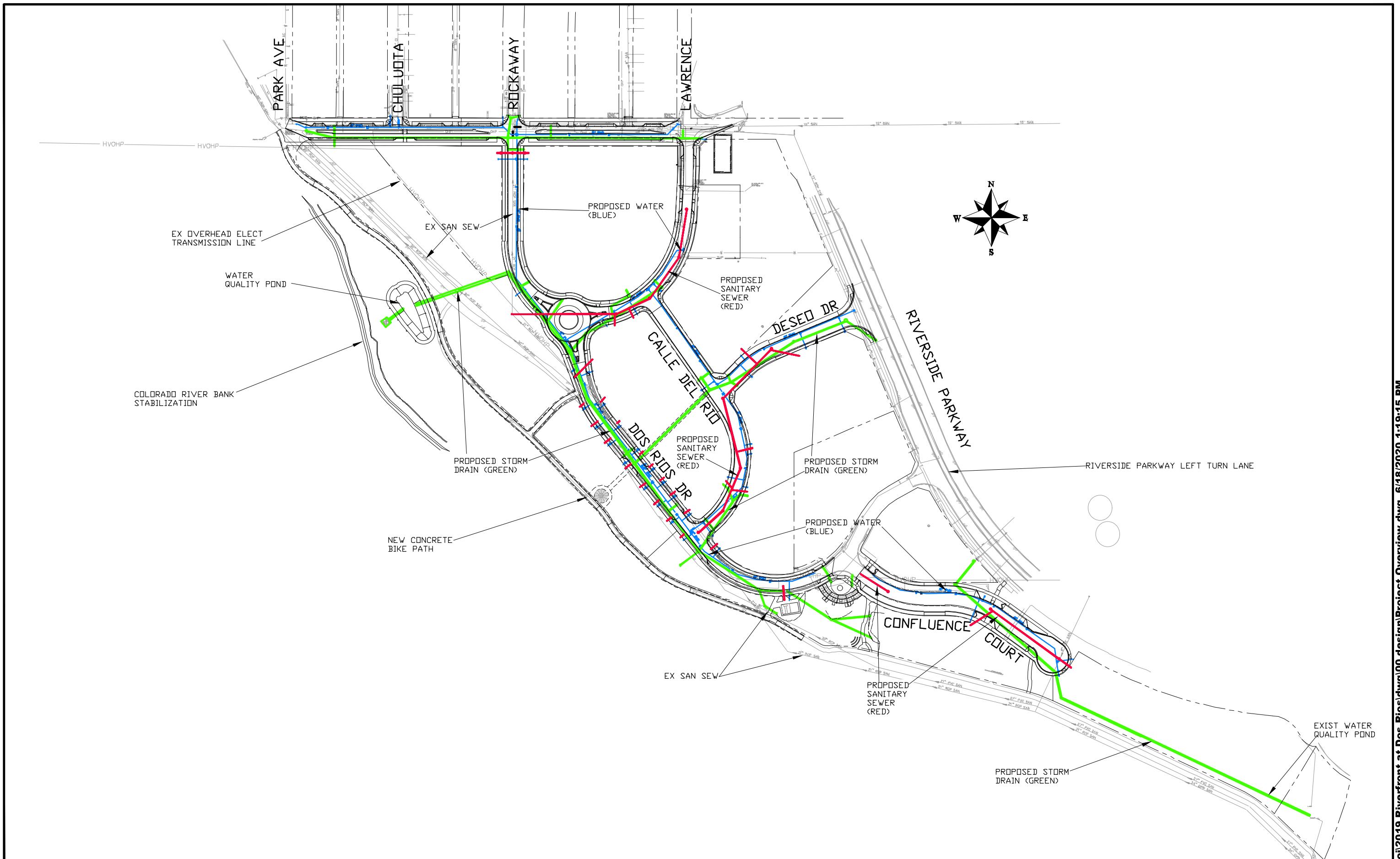
PUBLIC WORKS ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS CITY STANDARD ABBREVIATIONS LEGEND AND SYMBOLS

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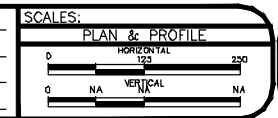






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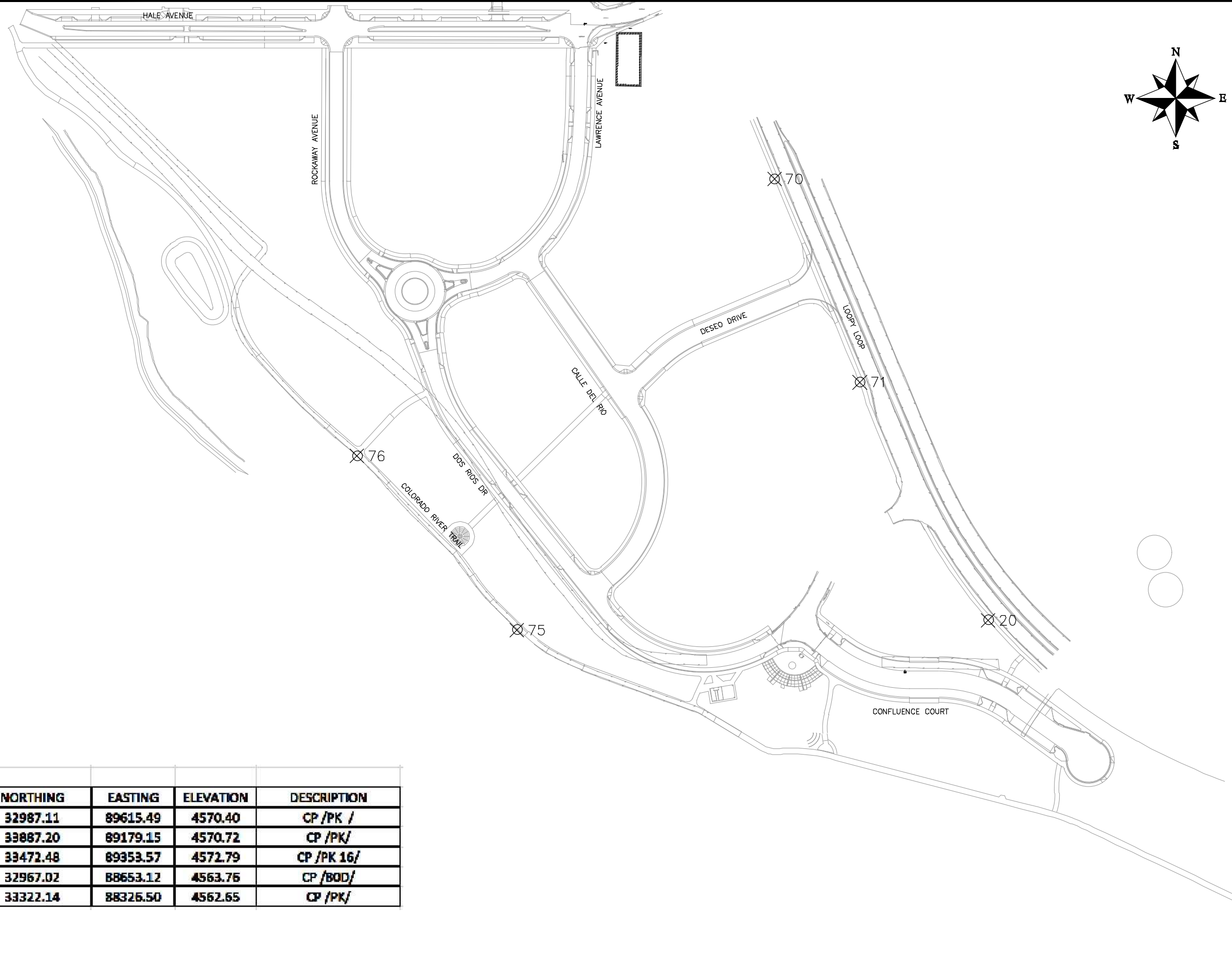
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CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019



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**THE RIVERFRONT AT DOS RIOS  
PROJECT OVERVIEW  
June 18, 2020**

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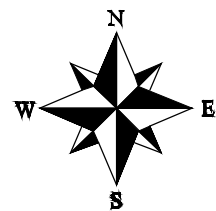
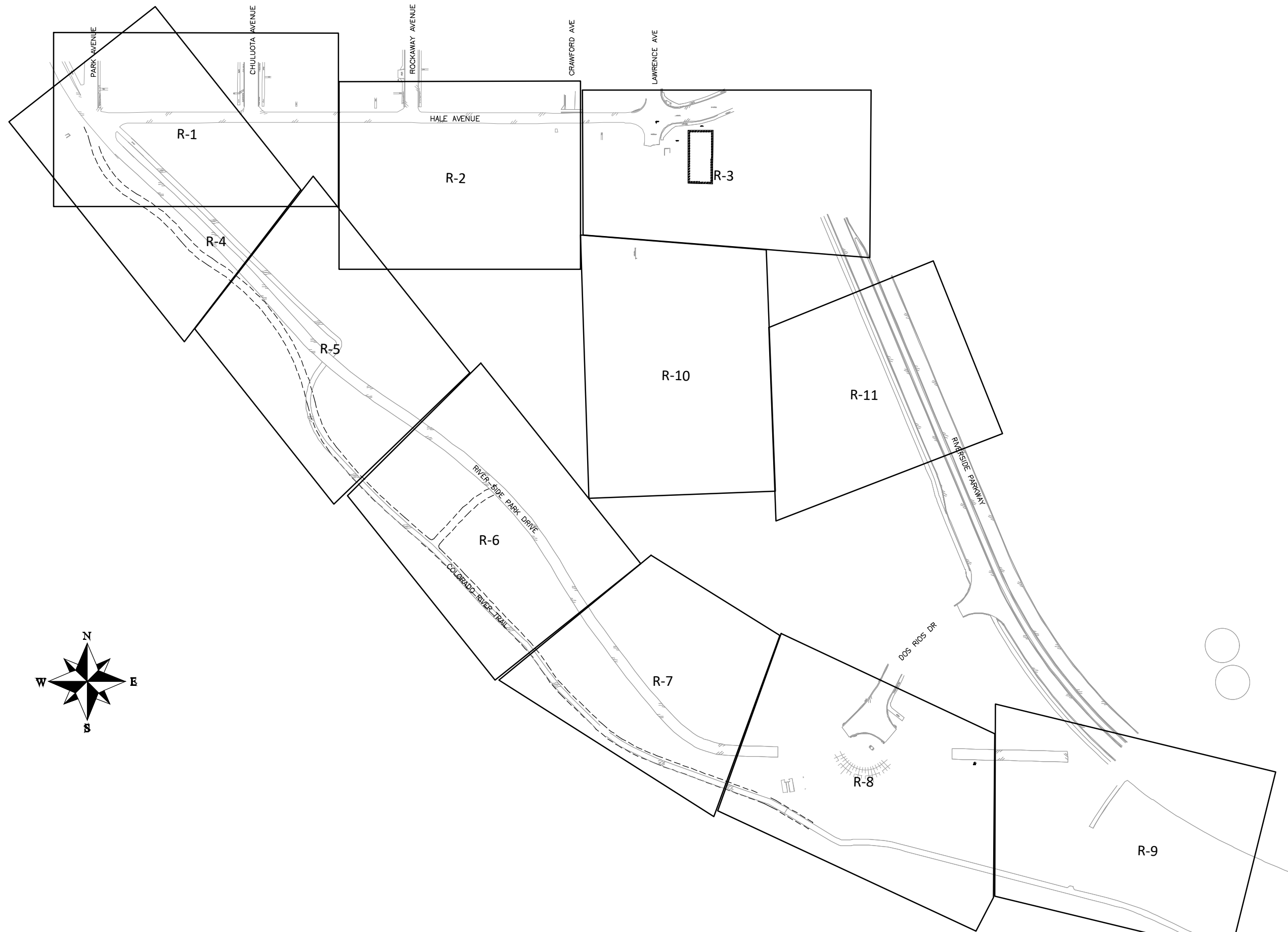
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71	33472.48	89353.57	4572.79	CP /PK 16/
75	32967.02	88653.12	4563.76	CP /BOD/
76	33322.14	88326.50	4562.65	CP /PK/

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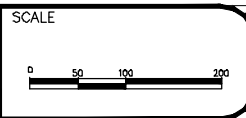


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**THE RIVERFRONT AT DOS RIOS  
CONTROL PLAN  
June 18, 2020**

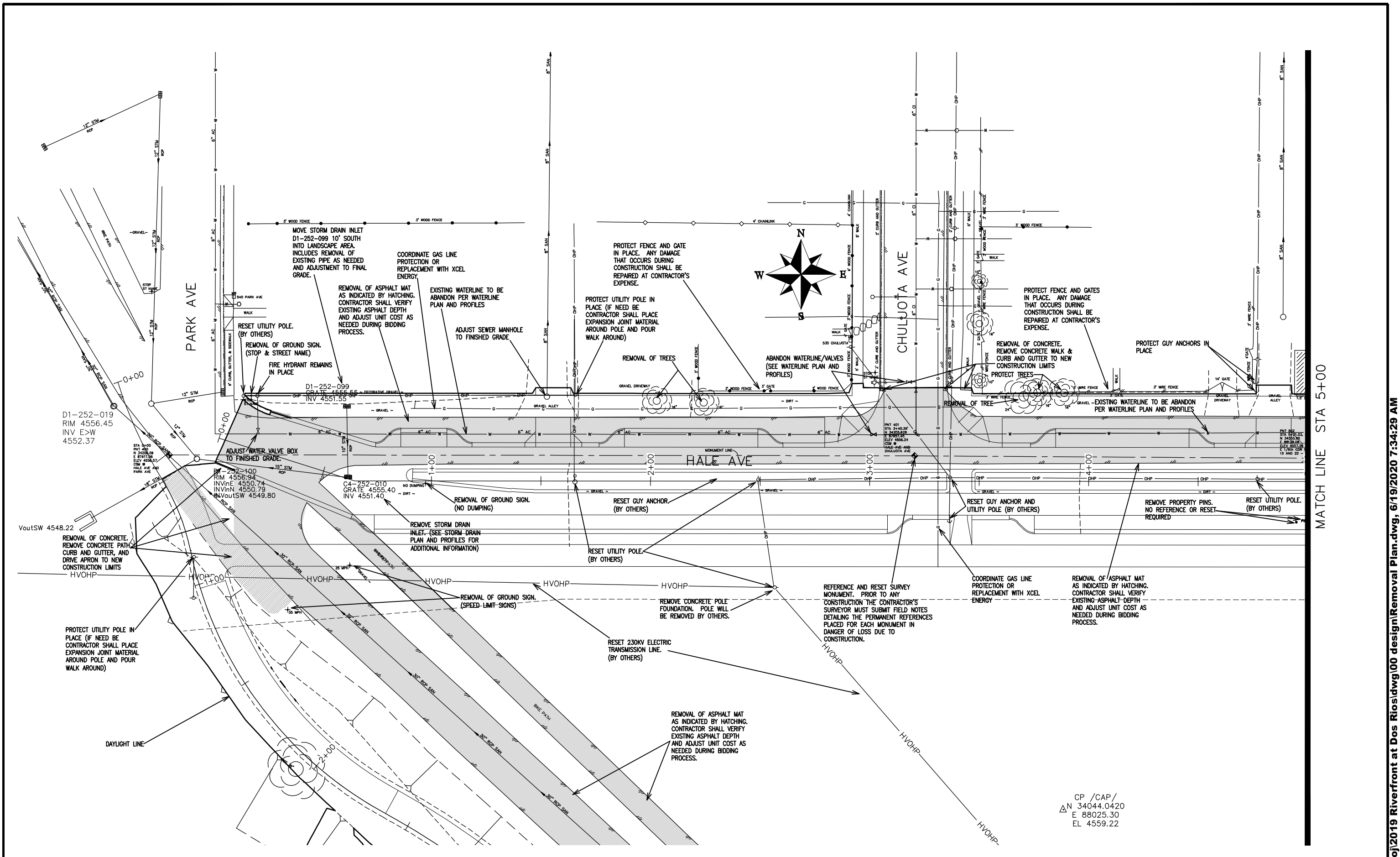


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△			BH	2019
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ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
REMOVAL PLAN SHEET INDEX  
June 18, 2020**



CP /CAP/  
 Δ N 34044.0420  
 E 88025.30  
 EL 4559.22

REVISION	DESCRIPTION	DATE
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DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:
PLAN & PROFILE
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0 NA VERTICAL NA



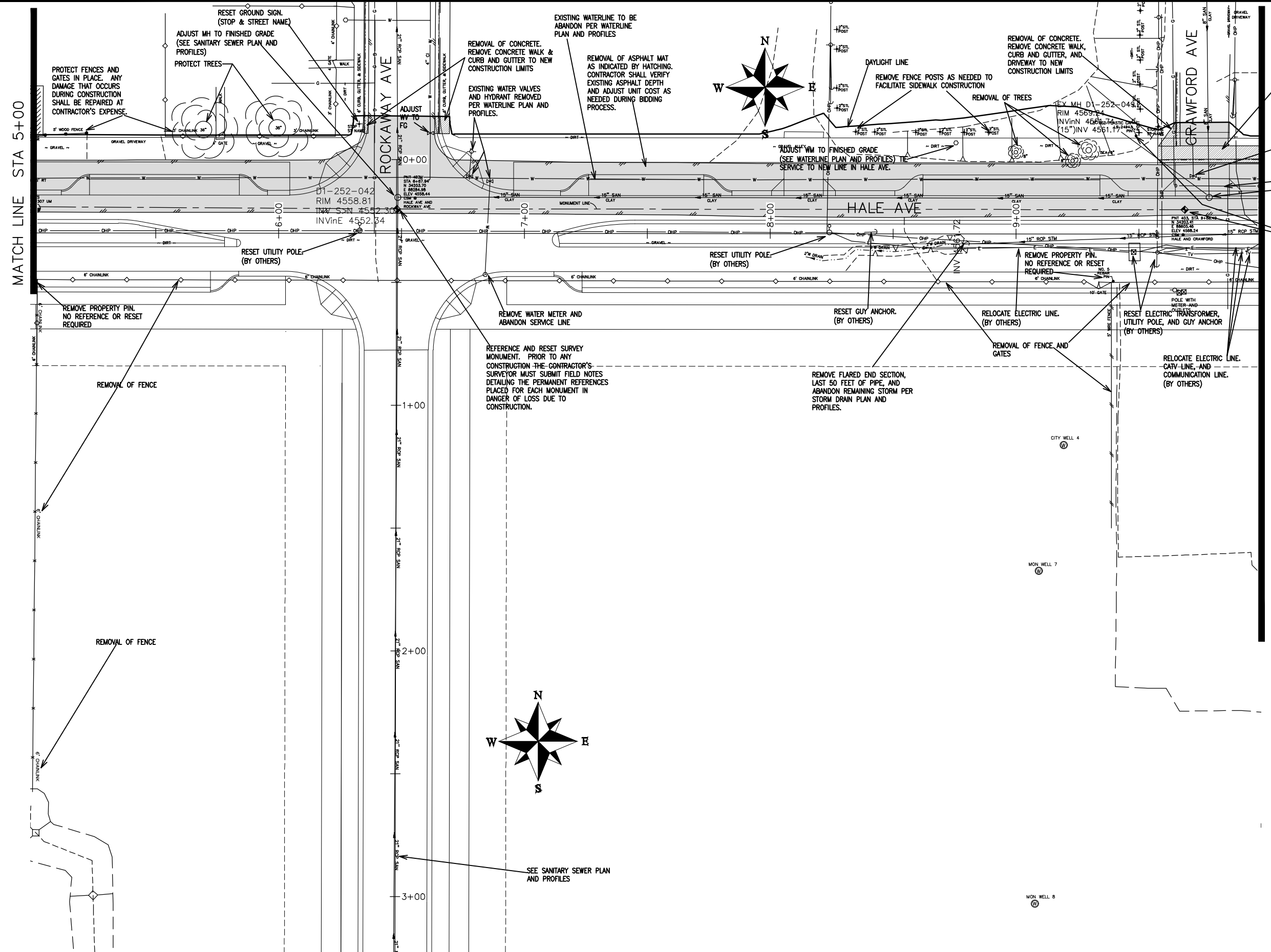
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 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 REMOVAL PLAN - R-1  
 June 19, 2020



MATCH LINE STA 5+00

MATCH LINE STA 10+00



REVISION	DESCRIPTION	DATE
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DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TCP DATE 2019

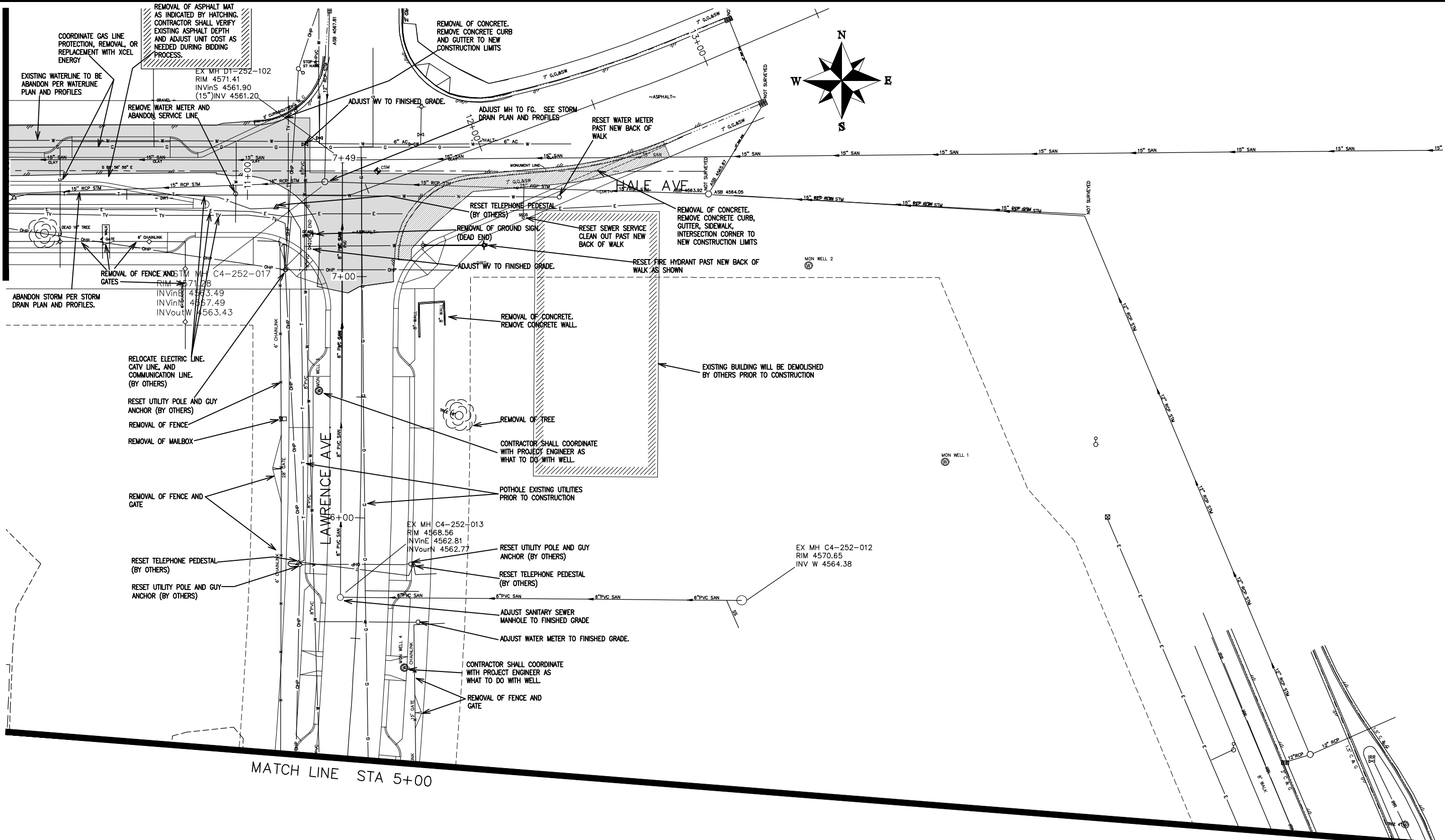
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0	NA
NA	VERTICAL



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 ENGINEERING DIVISION

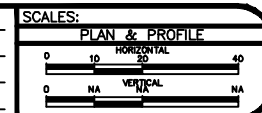
THE RIVERFRONT AT DOS RIOS  
 REMOVAL PLAN - R-2  
 June 19, 2020

MATCH LINE STA 10+00



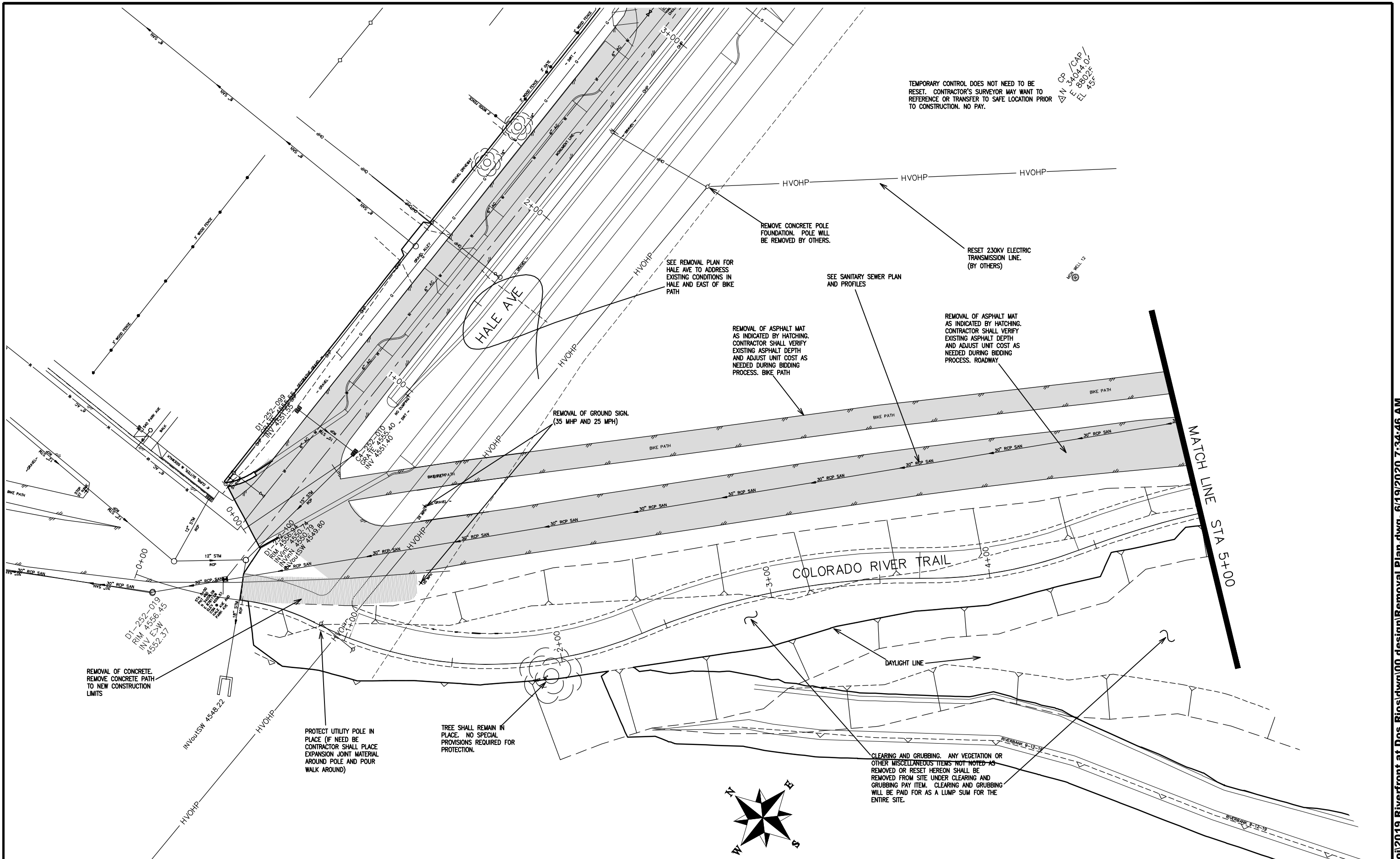
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DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TCP DATE 2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
REMOVAL PLAN - R-3  
June 19, 2020



TEMPORARY CONTROL DOES NOT NEED TO BE RESET. CONTRACTOR'S SURVEYOR MAY WANT TO REFERENCE OR TRANSFER TO SAFE LOCATION PRIOR TO CONSTRUCTION. NO PAY.

CP / CAP /  
E 34044.07  
EL 8802.57  
EL 43'

HVOHP  
HVOHP  
HVOHP  
REMOVE CONCRETE POLE FOUNDATION. POLE WILL BE REMOVED BY OTHERS.  
RESET 230KV ELECTRIC TRANSMISSION LINE. (BY OTHERS)

SEE REMOVAL PLAN FOR HALE AVE TO ADDRESS EXISTING CONDITIONS IN HALE AND EAST OF BIKE PATH  
SEE SANITARY SEWER PLAN AND PROFILES

REMOVAL OF ASPHALT MAT AS INDICATED BY HATCHING. CONTRACTOR SHALL VERIFY EXISTING ASPHALT DEPTH AND ADJUST UNIT COST AS NEEDED DURING BIDDING PROCESS. BIKE PATH  
REMOVAL OF ASPHALT MAT AS INDICATED BY HATCHING. CONTRACTOR SHALL VERIFY EXISTING ASPHALT DEPTH AND ADJUST UNIT COST AS NEEDED DURING BIDDING PROCESS. ROADWAY

REMOVAL OF GROUND SIGN. (35 MPH AND 25 MPH)

MATCH LINE STA 5+00

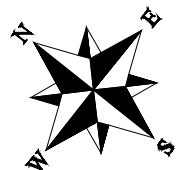
COLORADO RIVER TRAIL

TREE SHALL REMAIN IN PLACE. NO SPECIAL PROVISIONS REQUIRED FOR PROTECTION.

PROTECT UTILITY POLE IN PLACE (IF NEEDED CONTRACTOR SHALL PLACE EXPANSION JOINT MATERIAL AROUND POLE AND POUR WALK AROUND)

REMOVAL OF CONCRETE. REMOVE CONCRETE PATH TO NEW CONSTRUCTION LIMITS

CLEARING AND GRUBBING. ANY VEGETATION OR OTHER MISCELLANEOUS ITEMS NOT NOTED AS REMOVED OR RESET HEREON SHALL BE REMOVED FROM SITE UNDER CLEARING AND GRUBBING PAY ITEM. CLEARING AND GRUBBING WILL BE PAID FOR AS A LUMP SUM FOR THE ENTIRE SITE.

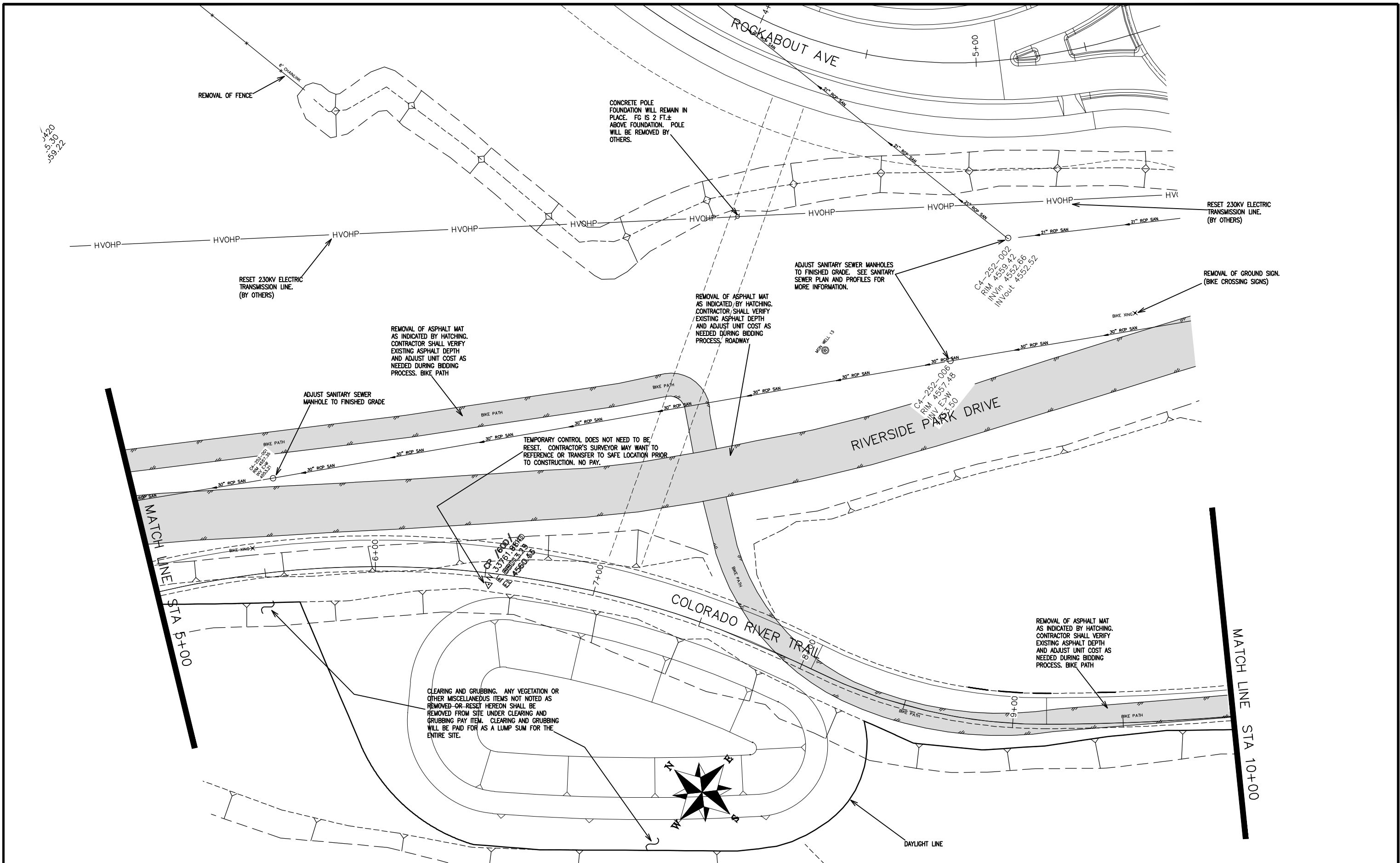


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REVISION			BH	2019	0 NA VERTICAL NA
REVISION			TCP	2019	



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THE RIVERFRONT AT DOS RIOS  
REMOVAL PLAN - R-4  
June 19, 2020



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JES  
JES  
5/9/22

REVISION	DESCRIPTION	DATE
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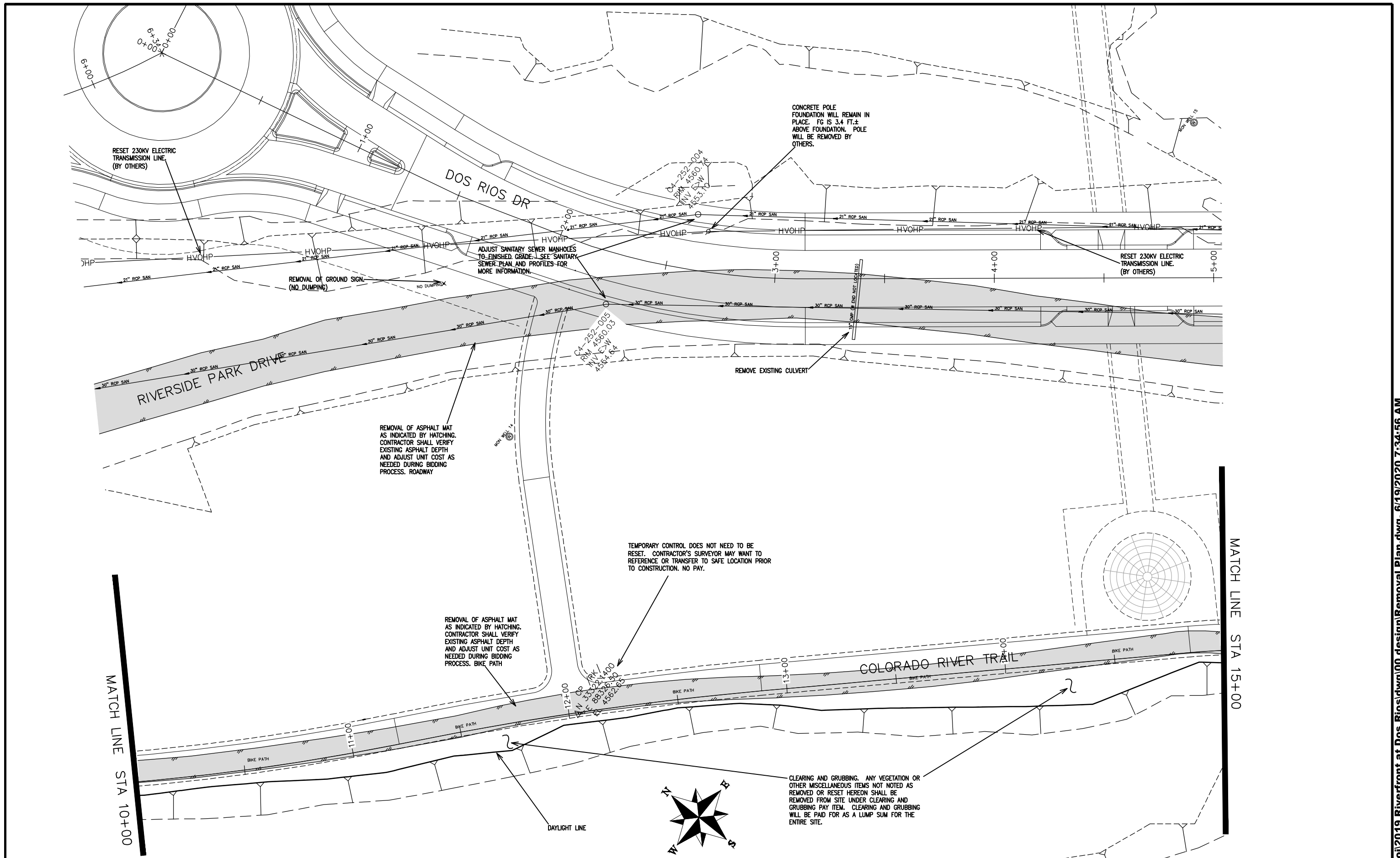
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019

SCALES:	
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10	20
HORIZONTAL	
0	NA
VERTICAL	
0	NA



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
REMOVAL PLAN - R-5  
June 19, 2020



RESET 230KV ELECTRIC TRANSMISSION LINE (BY OTHERS)

CONCRETE POLE FOUNDATION WILL REMAIN IN PLACE. FG IS 3.4 FT.± ABOVE FOUNDATION. POLE WILL BE REMOVED BY OTHERS.

ADJUST SANITARY SEWER MANHOLES TO FINISHED GRADE. SEE SANITARY SEWER PLAN AND PROFILES FOR MORE INFORMATION.

REMOVAL OF GROUND SIGNAL (NO DUMPING)

REMOVAL OF ASPHALT MAT AS INDICATED BY HATCHING. CONTRACTOR SHALL VERIFY EXISTING ASPHALT DEPTH AND ADJUST UNIT COST AS NEEDED DURING BIDDING PROCESS. ROADWAY

TEMPORARY CONTROL DOES NOT NEED TO BE RESET. CONTRACTOR'S SURVEYOR MAY WANT TO REFERENCE OR TRANSFER TO SAFE LOCATION PRIOR TO CONSTRUCTION. NO PAY.

REMOVAL OF ASPHALT MAT AS INDICATED BY HATCHING. CONTRACTOR SHALL VERIFY EXISTING ASPHALT DEPTH AND ADJUST UNIT COST AS NEEDED DURING BIDDING PROCESS. BIKE PATH

CLEARING AND GRUBBING. ANY VEGETATION OR OTHER MISCELLANEOUS ITEMS NOT NOTED AS REMOVED OR RESET HEREON SHALL BE REMOVED FROM SITE UNDER CLEARING AND GRUBBING PAY ITEM. CLEARING AND GRUBBING WILL BE PAID FOR AS A LUMP SUM FOR THE ENTIRE SITE.

MATCH LINE STA 10+00

MATCH LINE STA 15+00

REVISION	DESCRIPTION	DATE
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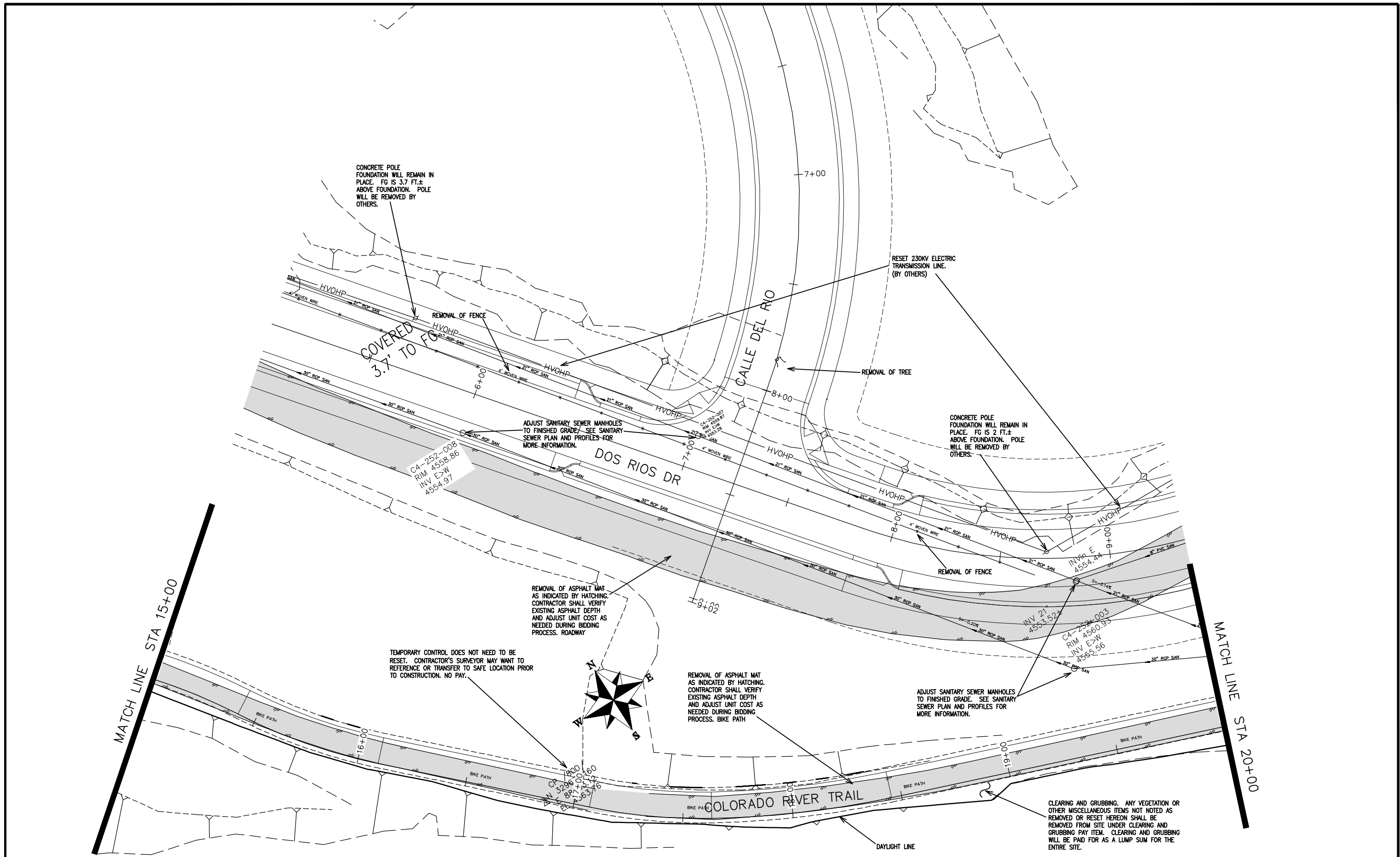
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APPROVED BY	ICP	DATE	2019

SCALES:	
0	40
PLAN & PROFILE	
0	40
HORIZONTAL	
0	NA
VERTICAL	
0	NA



PUBLIC WORKS ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
REMOVAL PLAN - R-6  
June 19, 2020



REVISION	DESCRIPTION	DATE
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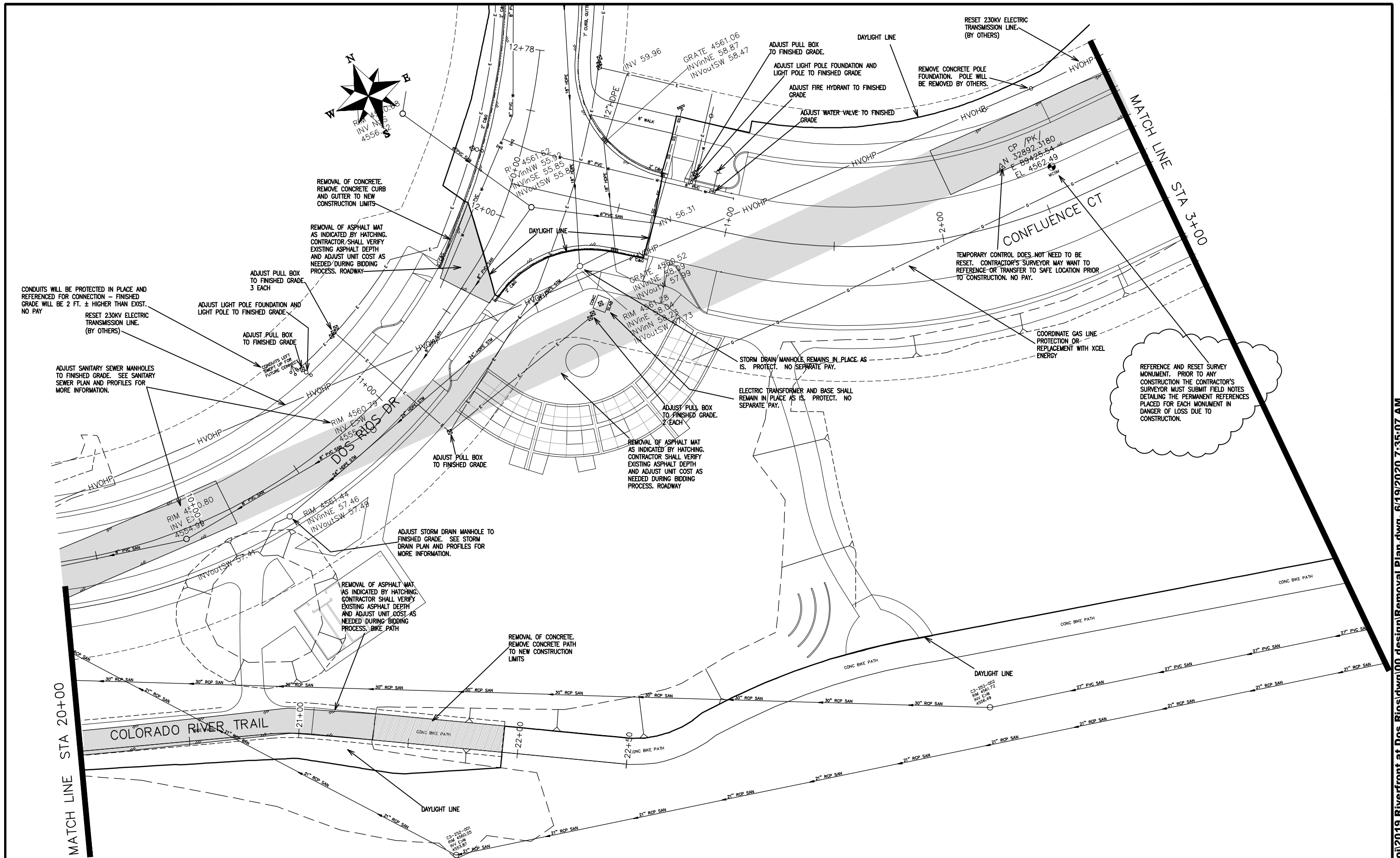
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019

SCALES:	
PLAN	1" = 40'
PROFILE	1" = 10'



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ENGINEERING DIVISION**

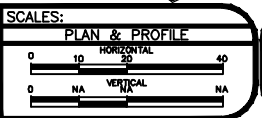
**THE RIVERFRONT AT DOS RIOS  
REMOVAL PLAN - R-7  
June 19, 2020**



REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION.

REVISION	DESCRIPTION	DATE
REVISION		
REVISION		
REVISION		
REVISION		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

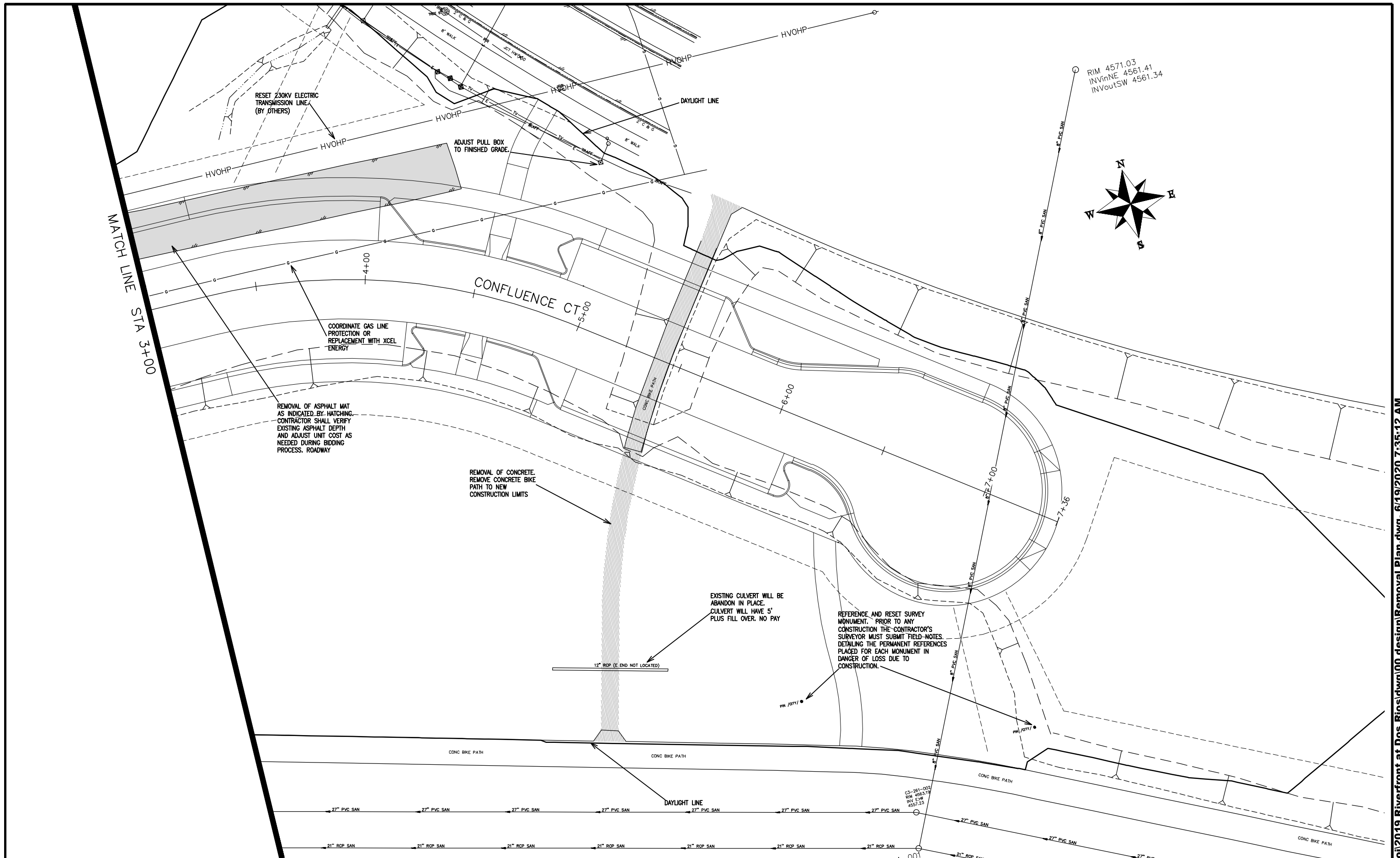


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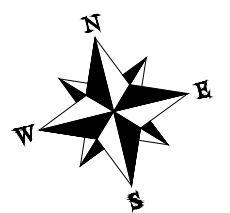
THE RIVERFRONT AT DOS RIOS  
REMOVAL PLAN - R-8  
June 19, 2020

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RIM 4571.03  
 INVInNE 4561.41  
 INVoutSW 4561.34



MATCH LINE STA 3+00

RESET 230KV ELECTRIC TRANSMISSION LINE (BY OTHERS)

ADJUST PULL BOX TO FINISHED GRADE

COORDINATE GAS LINE PROTECTION OR REPLACEMENT WITH XCEL ENERGY

REMOVAL OF ASPHALT MAT AS INDICATED BY HATCHING. CONTRACTOR SHALL VERIFY EXISTING ASPHALT DEPTH AND ADJUST UNIT COST AS NEEDED DURING BIDDING PROCESS. ROADWAY

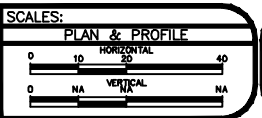
REMOVAL OF CONCRETE. REMOVE CONCRETE BIKE PATH TO NEW CONSTRUCTION LIMITS

EXISTING CULVERT WILL BE ABANDON IN PLACE. CULVERT WILL HAVE 5' PLUS FILL OVER. NO PAY

REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD-NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION.

REVISION	DESCRIPTION	DATE
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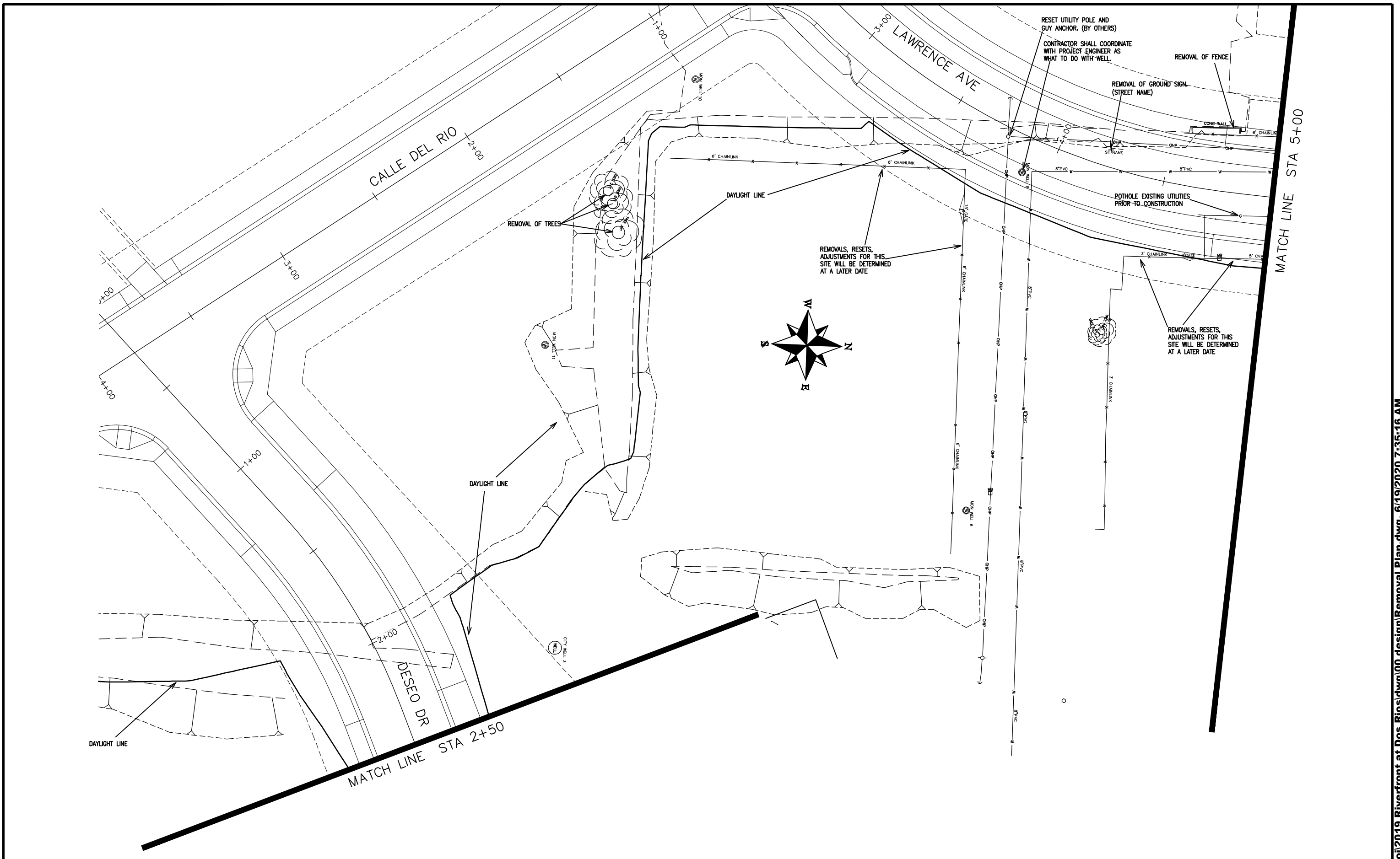
DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TCP DATE 2019



PUBLIC WORKS  
 ENGINEERING DIVISION

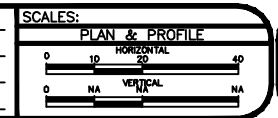
THE RIVERFRONT AT DOS RIOS  
 REMOVAL PLAN - R-9  
 June 19, 2020





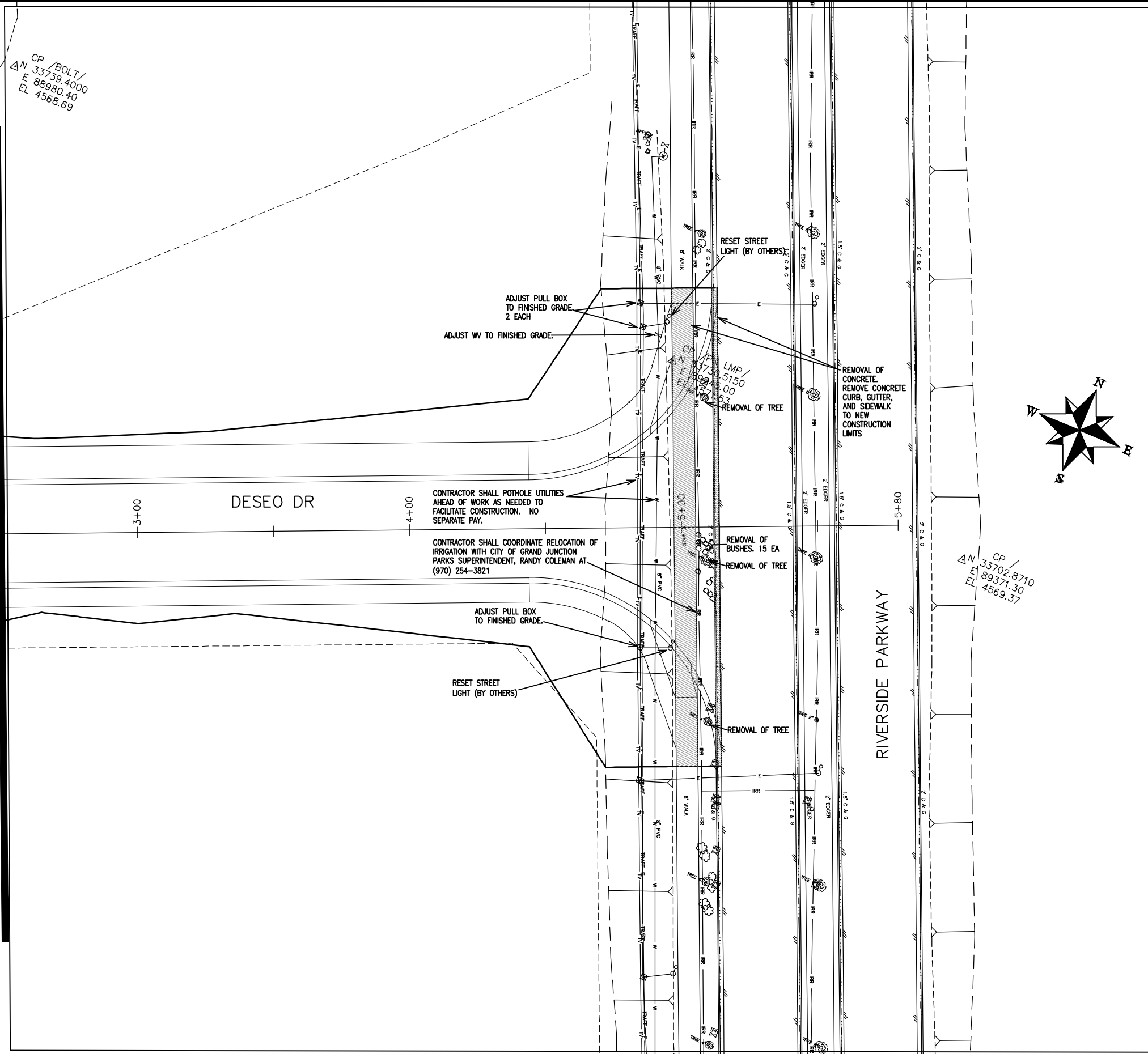
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 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TCP DATE 2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
REMOVAL PLAN - R-10  
June 19, 2020



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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REVISION			JCS	2019
REVISION			BH	2019
REVISION			TCP	2019

SCALES:

PLAN & PROFILE

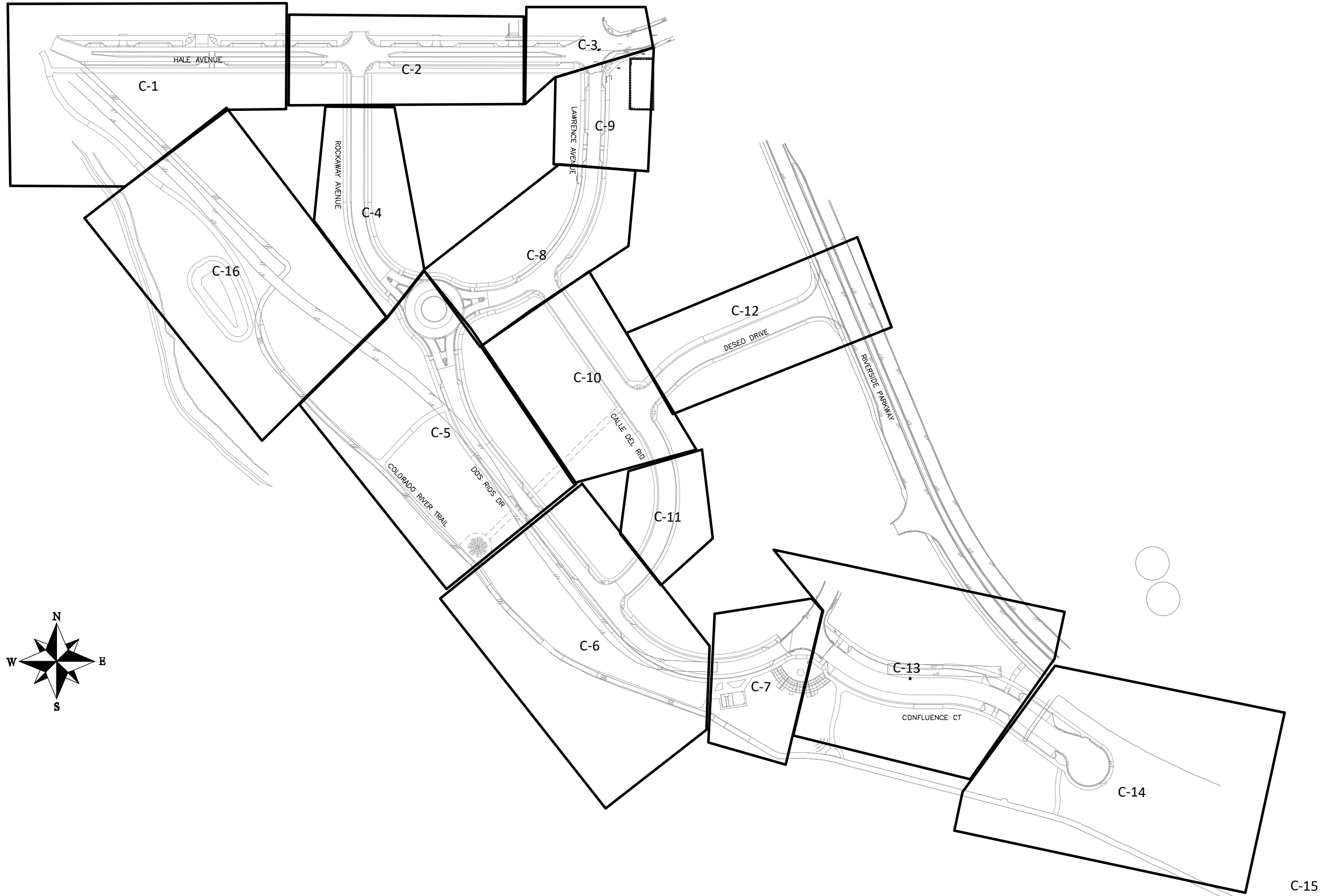
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0 NA VERTICAL NA

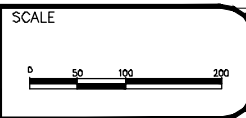


PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 REMOVAL PLAN - R-11  
 June 19, 2020

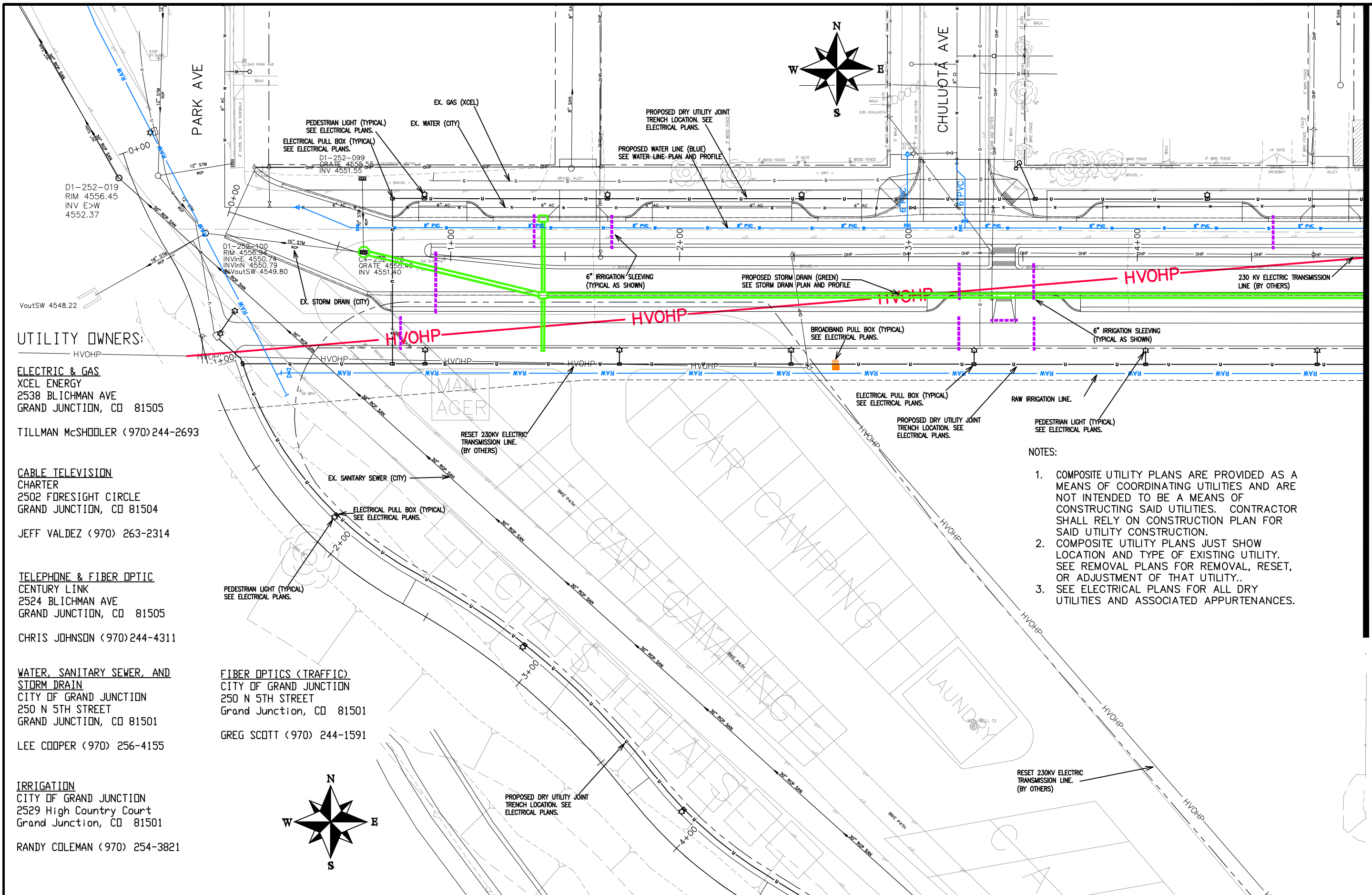


REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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△			JCS	2019
△			BH	2019
△			TCP	2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
COMPOSITE UTILITY PLAN SHEET INDEX - 1  
June 18, 2020



MATCH LINE STA 5+00

**UTILITY OWNERS:**  
 HVOHP  
**ELECTRIC & GAS**  
 XCEL ENERGY  
 2538 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505  
 TILLMAN McSHODLER (970)244-2693

**CABLE TELEVISION**  
 CHARTER  
 2502 FORESIGHT CIRCLE  
 GRAND JUNCTION, CO 81504  
 JEFF VALDEZ (970) 263-2314

**TELEPHONE & FIBER OPTIC**  
 CENTURY LINK  
 2524 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505  
 CHRIS JOHNSON (970)244-4311

**WATER, SANITARY SEWER, AND STORM DRAIN**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501  
 LEE COOPER (970) 256-4155

**IRRIGATION**  
 CITY OF GRAND JUNCTION  
 2529 High Country Court  
 Grand Junction, CO 81501  
 RANDY COLEMAN (970) 254-3821

**FIBER OPTICS (TRAFFIC)**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 Grand Junction, CO 81501  
 GREG SCOTT (970) 244-1591

- NOTES:**
1. COMPOSITE UTILITY PLANS ARE PROVIDED AS A MEANS OF COORDINATING UTILITIES AND ARE NOT INTENDED TO BE A MEANS OF CONSTRUCTING SAID UTILITIES. CONTRACTOR SHALL RELY ON CONSTRUCTION PLAN FOR SAID UTILITY CONSTRUCTION.
  2. COMPOSITE UTILITY PLANS JUST SHOW LOCATION AND TYPE OF EXISTING UTILITY. SEE REMOVAL PLANS FOR REMOVAL, RESET, OR ADJUSTMENT OF THAT UTILITY..
  3. SEE ELECTRICAL PLANS FOR ALL DRY UTILITIES AND ASSOCIATED APPURTENANCES.

REVISION	DESCRIPTION	DATE
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REVISION Δ		
REVISION Δ		
REVISION Δ		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019

**SCALES:**

PLAN & PROFILE	0 10 20 40
HORIZONTAL	
0 NA 10 NA	
VERTICAL	



**PUBLIC WORKS ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS COMPOSITE UTILITY PLAN - C-1**  
 June 19, 2020

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UTILITY OWNERS:

ELECTRIC & GAS

XCEL ENERGY  
2538 BLICHMAN AVE  
GRAND JUNCTION, CO 81505

TILLMAN McSHODLER (970)244-2693

CABLE TELEVISION

CHARTER  
2502 FORESIGHT CIRCLE  
GRAND JUNCTION, CO 81504

JEFF VALDEZ (970) 263-2314

TELEPHONE & FIBER OPTIC

CENTURY LINK  
2524 BLICHMAN AVE  
GRAND JUNCTION, CO 81505

CHRIS JOHNSON (970)244-4311

WATER, SANITARY SEWER, AND STORM DRAIN

CITY OF GRAND JUNCTION  
250 N 5TH STREET  
GRAND JUNCTION, CO 81501

LEE COOPER (970) 256-4155

IRRIGATION

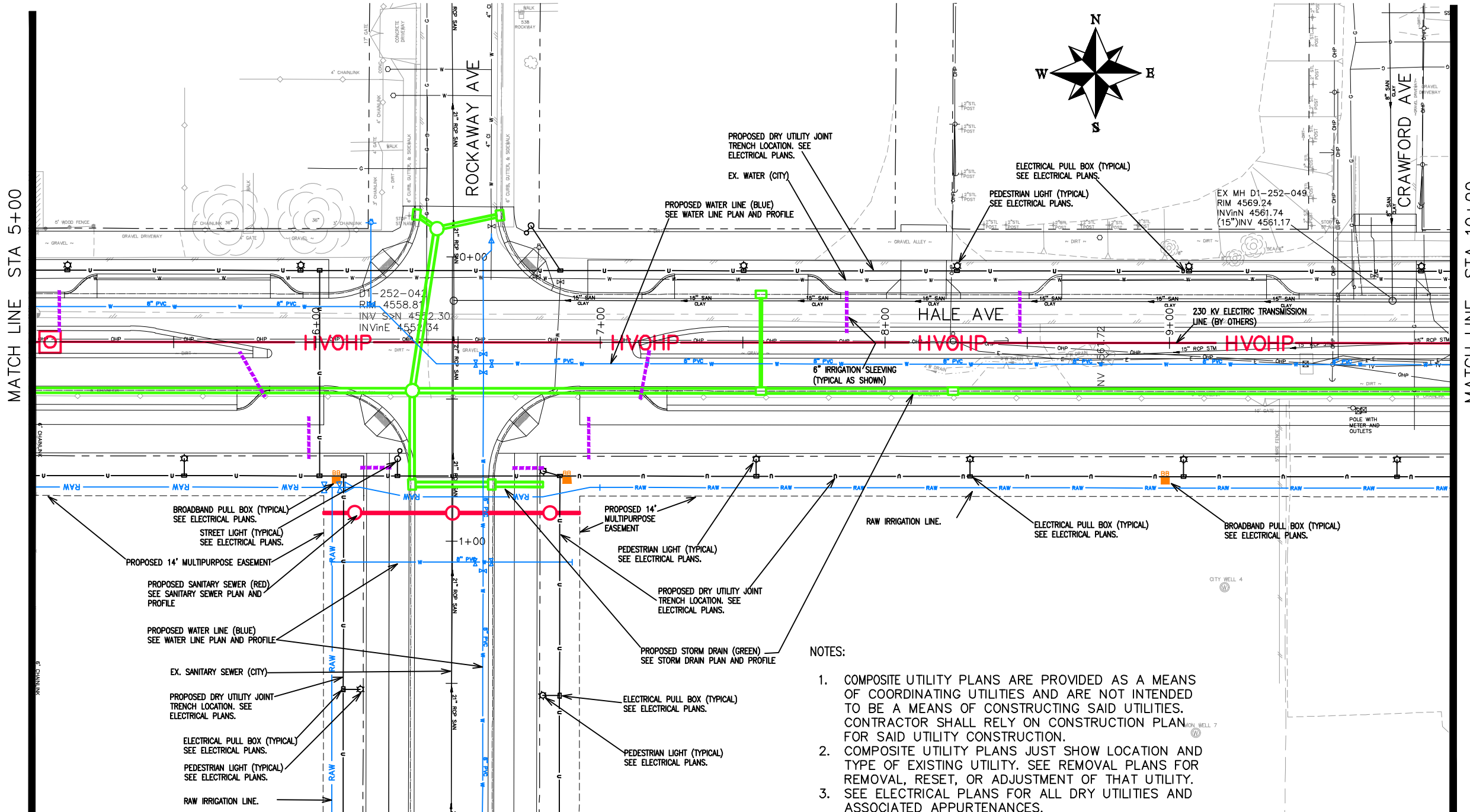
CITY OF GRAND JUNCTION  
2529 High Country Court  
Grand Junction, CO 81501

RANDY COLEMAN (970) 254-3821

FIBER OPTICS (TRAFFIC)

CITY OF GRAND JUNCTION  
250 N 5TH STREET  
Grand Junction, CO 81501

GREG SCOTT (970) 244-1591



NOTES:

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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			TCP	2019

SCALES:
PLAN & PROFILE 0 10 20 30 40 HORIZONTAL
0 NA 1/4" = 1'-0" VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
COMPOSITE UTILITY PLAN - C-2  
June 19, 2020



UTILITY OWNERS:

**ELECTRIC & GAS**  
 XCEL ENERGY  
 2538 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

**CABLE TELEVISION**  
 CHARTER  
 2502 FORESIGHT CIRCLE  
 GRAND JUNCTION, CO 81504

**TELEPHONE & FIBER OPTIC**  
 CENTURY LINK  
 2524 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

**WATER, SANITARY SEWER, AND STORM DRAIN**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501

**IRRIGATION**  
 CITY OF GRAND JUNCTION  
 2529 High Country Court  
 Grand Junction, CO 81501

**FIBER OPTICS (TRAFFIC)**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 Grand Junction, CO 81501

TILLMAN McSHOOLER (970)244-2693

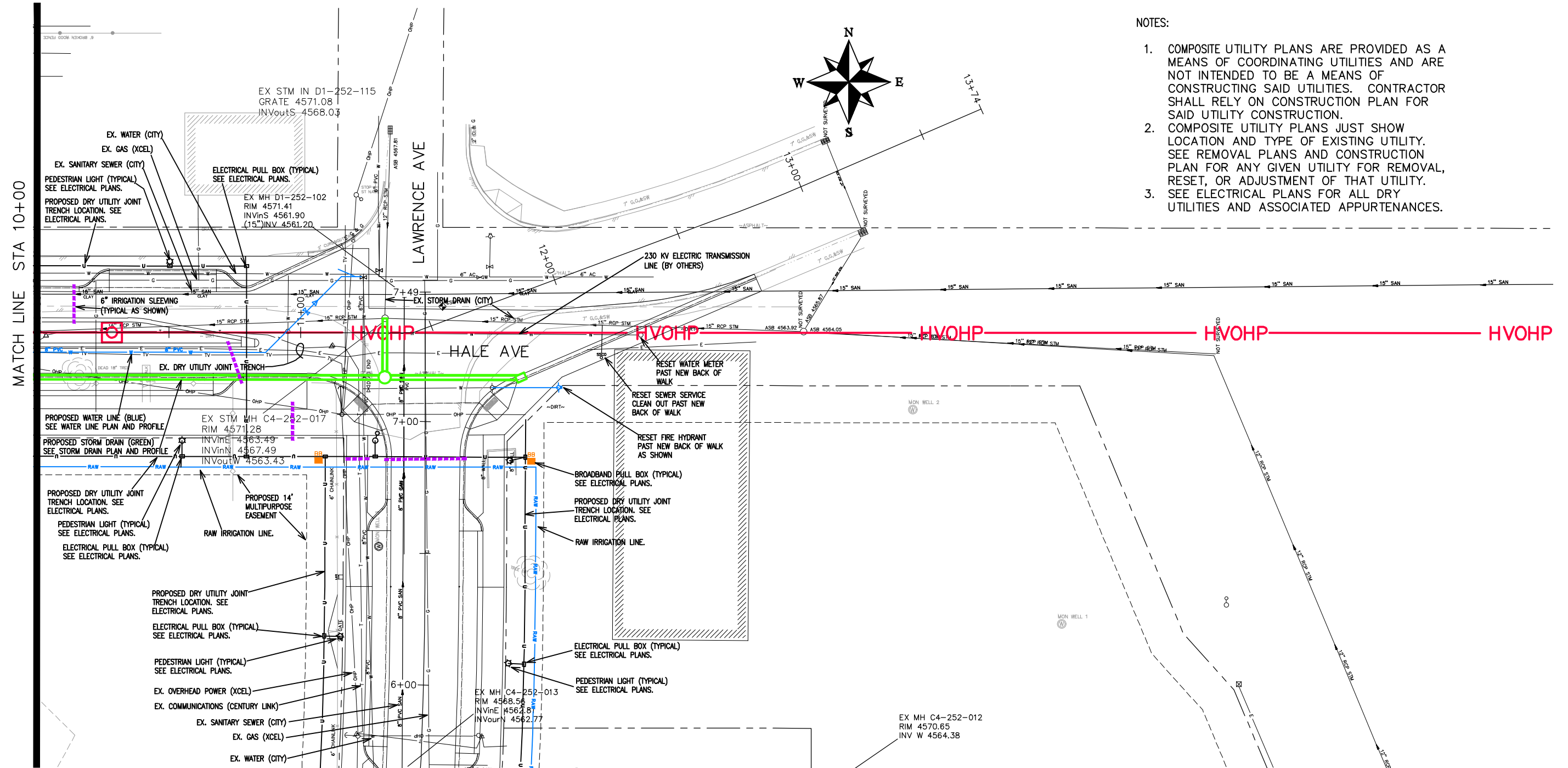
JEFF VALDEZ (970) 263-2314

CHRIS JOHNSON (970)244-4311

LEE COOPER (970) 256-4155

RANDY COLEMAN (970) 254-3821

GREG SCOTT (970) 244-1591



NOTES:

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REVISION	DESCRIPTION	DATE
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DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019

SCALES:

PLAN & PROFILE	0 10 20 40
HORIZONTAL	
VERTICAL	0 NA NA



PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 COMPOSITE UTILITY PLAN - C-3  
 June 19, 2020

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UTILITY OWNERS:

**ELECTRIC & GAS**  
 XCEL ENERGY  
 2538 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

TILLMAN McSHOOLER (970)244-2693

**CABLE TELEVISION**  
 CHARTER  
 2502 FORESIGHT CIRCLE  
 GRAND JUNCTION, CO 81504

JEFF VALDEZ (970) 263-2314

**TELEPHONE & FIBER OPTIC**  
 CENTURY LINK  
 2524 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

CHRIS JOHNSON (970)244-4311

**WATER, SANITARY SEWER, AND STORM DRAIN**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501

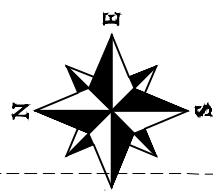
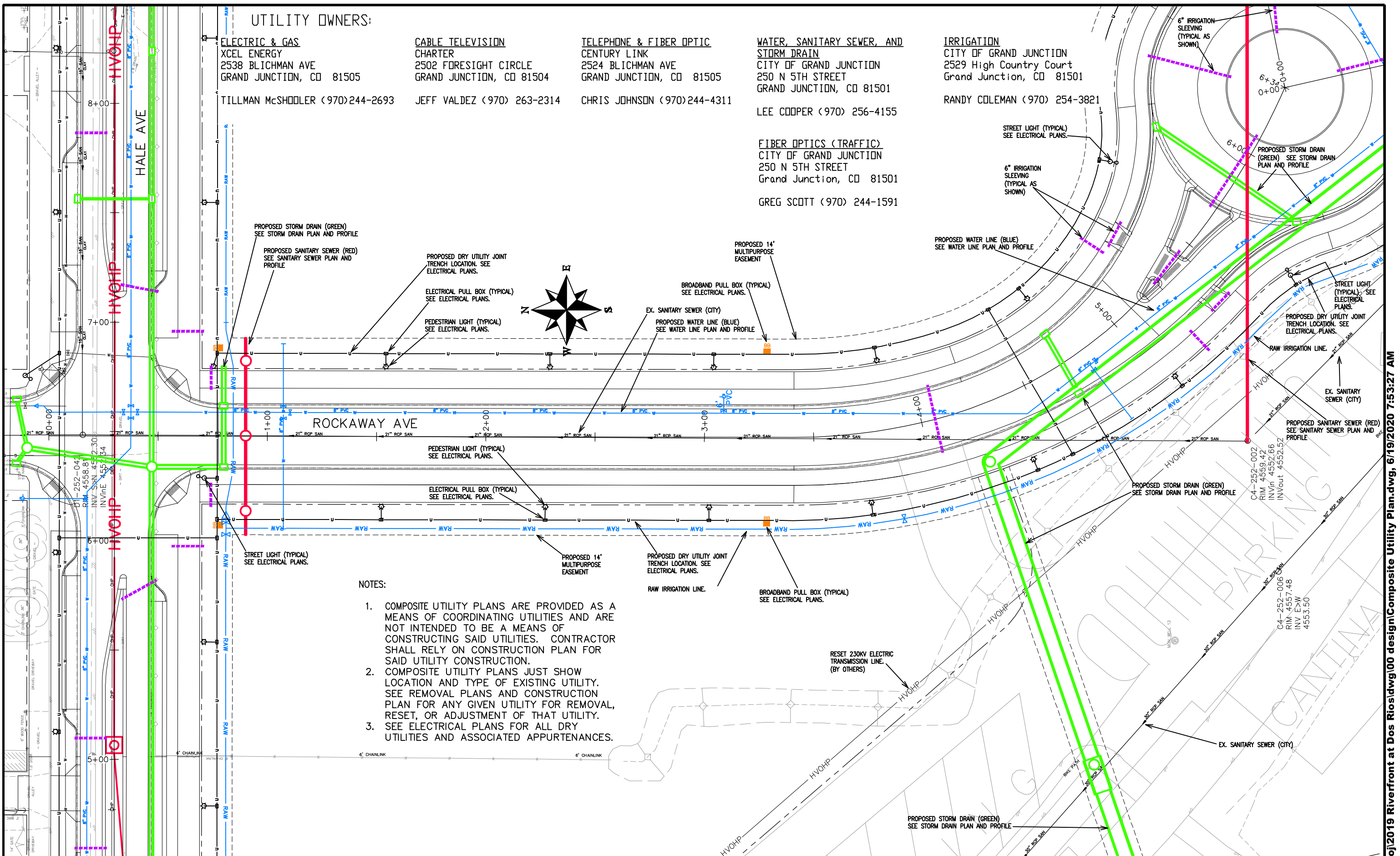
LEE COOPER (970) 256-4155

**FIBER OPTICS (TRAFFIC)**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 Grand Junction, CO 81501

GREG SCOTT (970) 244-1591

**IRRIGATION**  
 CITY OF GRAND JUNCTION  
 2529 High Country Court  
 Grand Junction, CO 81501

RANDY COLEMAN (970) 254-3821



- NOTES:
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REVISION	DESCRIPTION	DATE
REVISION		
REVISION		
REVISION		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019

SCALES:

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HORIZONTAL	
VERTICAL	0 NA 1"=10'

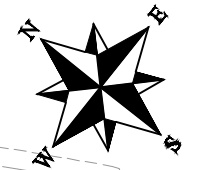
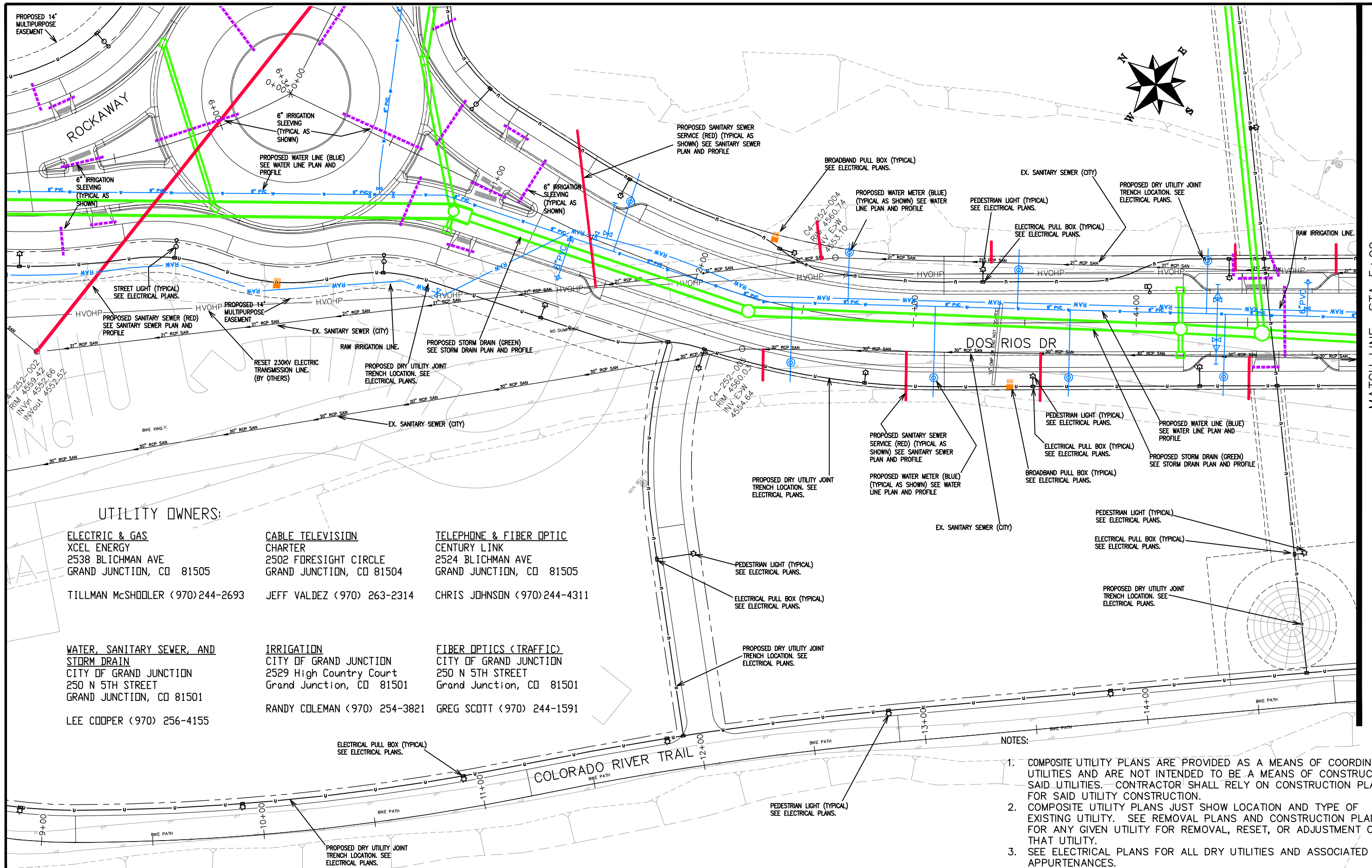


PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 COMPOSITE UTILITY PLAN - C-4  
 June 19, 2020

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MATCH LINE STA 5+00

**UTILITY OWNERS:**

<b>ELECTRIC &amp; GAS</b> XCEL ENERGY 2538 BLICHMAN AVE GRAND JUNCTION, CO 81505  TILLMAN McSHOOLER (970)244-2693	<b>CABLE TELEVISION</b> CHARTER 2502 FORESIGHT CIRCLE GRAND JUNCTION, CO 81504  JEFF VALDEZ (970) 263-2314	<b>TELEPHONE &amp; FIBER OPTIC</b> CENTURY LINK 2524 BLICHMAN AVE GRAND JUNCTION, CO 81505  CHRIS JOHNSON (970)244-4311
<b>WATER, SANITARY SEWER, AND STORM DRAIN</b> CITY OF GRAND JUNCTION 250 N 5TH STREET GRAND JUNCTION, CO 81501  LEE COOPER (970) 256-4155	<b>IRRIGATION</b> CITY OF GRAND JUNCTION 2529 High Country Court Grand Junction, CO 81501  RANDY COLEMAN (970) 254-3821	<b>FIBER OPTICS (TRAFFIC)</b> CITY OF GRAND JUNCTION 250 N 5TH STREET Grand Junction, CO 81501  GREG SCOTT (970) 244-1591

- NOTES:**
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REVISION	DESCRIPTION	DATE
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REVISION Δ		
REVISION Δ		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019

**SCALES:**

PLAN & PROFILE  
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 HORIZONTAL

0 NA NA  
 VERTICAL



**PUBLIC WORKS ENGINEERING DIVISION**

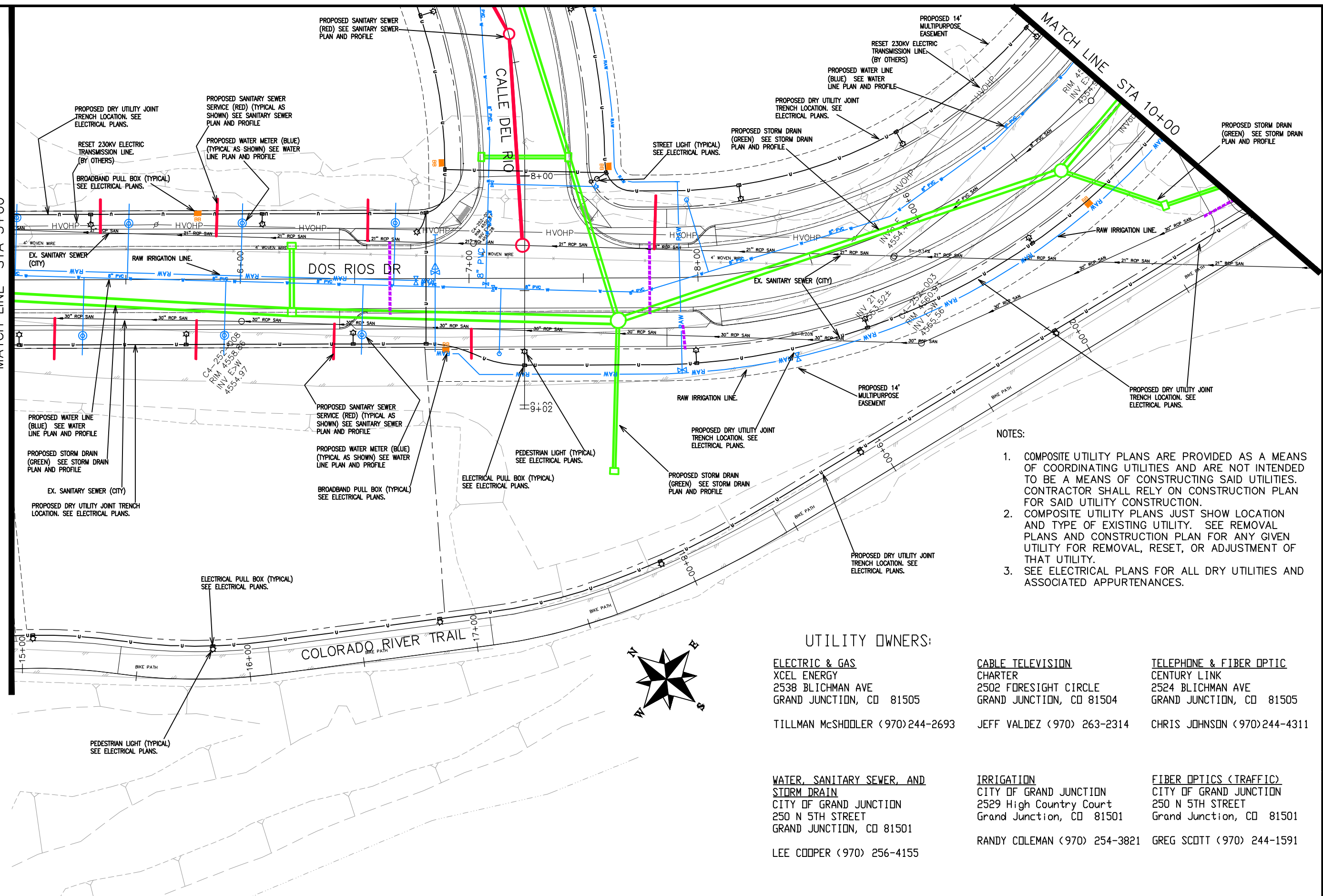
**THE RIVERFRONT AT DOS RIOS  
COMPOSITE UTILITY PLAN - C-5  
June 19, 2020**

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MATCH LINE STA 5+00

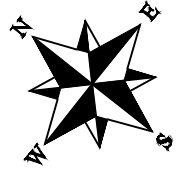
MATCH LINE STA 10+00



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UTILITY OWNERS:

<p><b>ELECTRIC &amp; GAS</b>          XCEL ENERGY          2538 BLICHMAN AVE          GRAND JUNCTION, CO 81505          TILLMAN McSHOOLER (970)244-2693</p>	<p><b>CABLE TELEVISION</b>          CHARTER          2502 FORESIGHT CIRCLE          GRAND JUNCTION, CO 81504          JEFF VALDEZ (970) 263-2314</p>	<p><b>TELEPHONE &amp; FIBER OPTIC</b>          CENTURY LINK          2524 BLICHMAN AVE          GRAND JUNCTION, CO 81505          CHRIS JOHNSON (970)244-4311</p>
<p><b>WATER, SANITARY SEWER, AND STORM DRAIN</b>          CITY OF GRAND JUNCTION          250 N 5TH STREET          GRAND JUNCTION, CO 81501          LEE COOPER (970) 256-4155</p>	<p><b>IRRIGATION</b>          CITY OF GRAND JUNCTION          2529 High Country Court          Grand Junction, CO 81501          RANDY COLEMAN (970) 254-3821</p>	<p><b>FIBER OPTICS (TRAFFIC)</b>          CITY OF GRAND JUNCTION          250 N 5TH STREET          Grand Junction, CO 81501          GREG SCOTT (970) 244-1591</p>



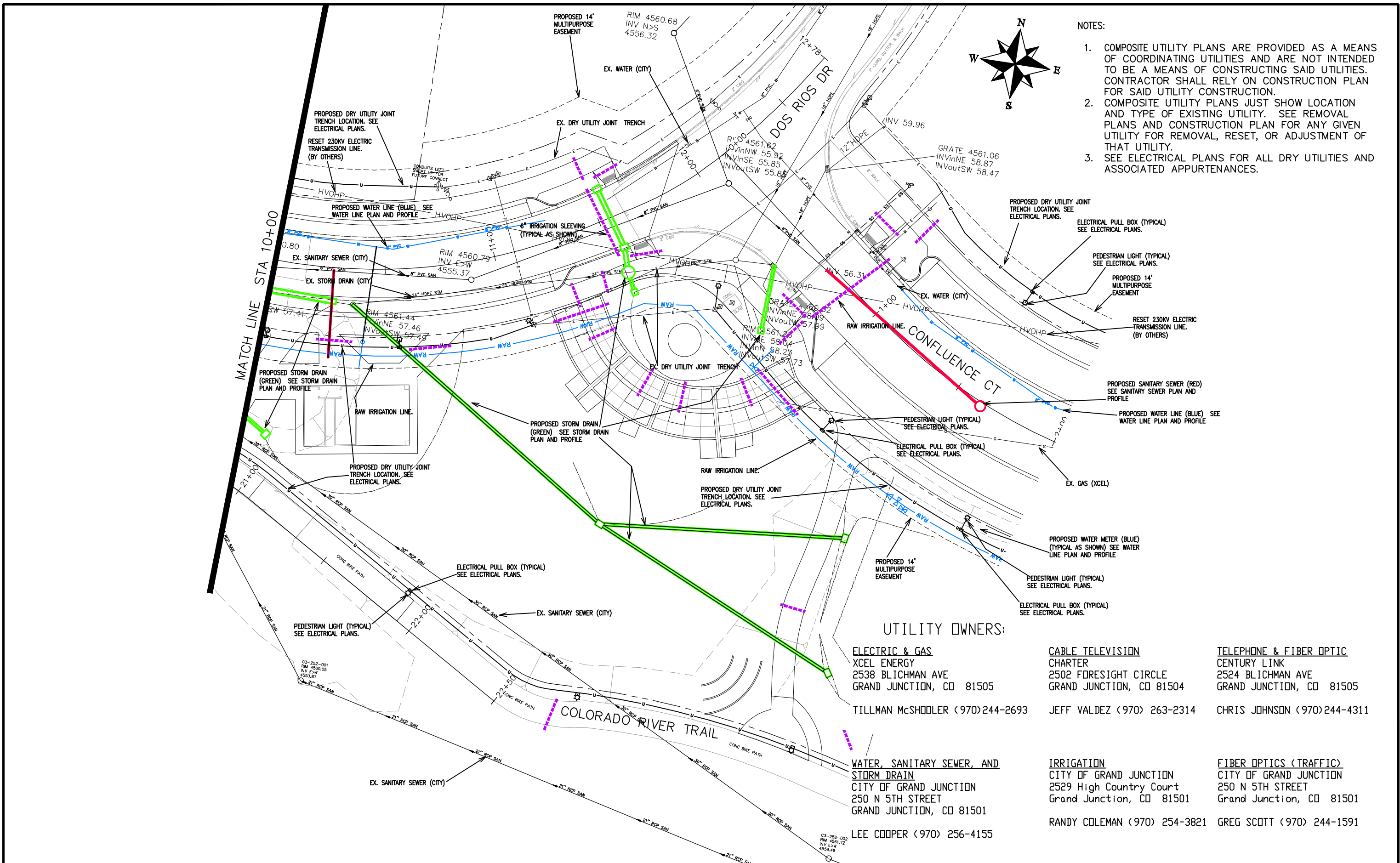
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REVISION $\Delta$			CHECKED BY BH	DATE 2019	
REVISION $\Delta$			APPROVED BY TGP	DATE 2019	
REVISION $\Delta$					



PUBLIC WORKS  
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THE RIVERFRONT AT DOS RIOS  
COMPOSITE UTILITY PLAN - C-6  
June 19, 2020

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- NOTES:
1. COMPOSITE UTILITY PLANS ARE PROVIDED AS A MEANS OF COORDINATING UTILITIES AND ARE NOT INTENDED TO BE A MEANS OF CONSTRUCTING SAID UTILITIES. CONTRACTOR SHALL RELY ON CONSTRUCTION PLAN FOR SAID UTILITY CONSTRUCTION.
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**UTILITY OWNERS:**

<p><b>ELECTRIC &amp; GAS</b>          XCEL ENERGY          2538 Blichman Ave          Grand Junction, CO 81505          TILLMAN McSHODLER (970) 244-2693</p>	<p><b>CABLE TELEVISION</b>          CHARTER          2502 FORESIGHT CIRCLE          GRAND JUNCTION, CO 81504          JEFF VALDEZ (970) 263-2314</p>	<p><b>TELEPHONE &amp; FIBER OPTIC</b>          CENTURY LINK          2524 Blichman Ave          GRAND JUNCTION, CO 81505          CHRIS JOHNSON (970) 244-4311</p>
<p><b>WATER, SANITARY SEWER, AND STORM DRAIN</b>          CITY OF GRAND JUNCTION          250 N 5TH STREET          GRAND JUNCTION, CO 81501          LEE COOPER (970) 256-4155</p>	<p><b>IRRIGATION</b>          CITY OF GRAND JUNCTION          2529 High Country Court          Grand Junction, CO 81501          RANDY COLEMAN (970) 254-3821</p>	<p><b>FIBER OPTICS (TRAFFIC)</b>          CITY OF GRAND JUNCTION          250 N 5TH STREET          Grand Junction, CO 81501          GREG SCOTT (970) 244-1591</p>

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
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REVISION $\Delta$			JCS	2019	0 10 20 40 HORIZONTAL
REVISION $\Delta$			BH	2019	0 NA 1/4" = 1'-0" VERTICAL
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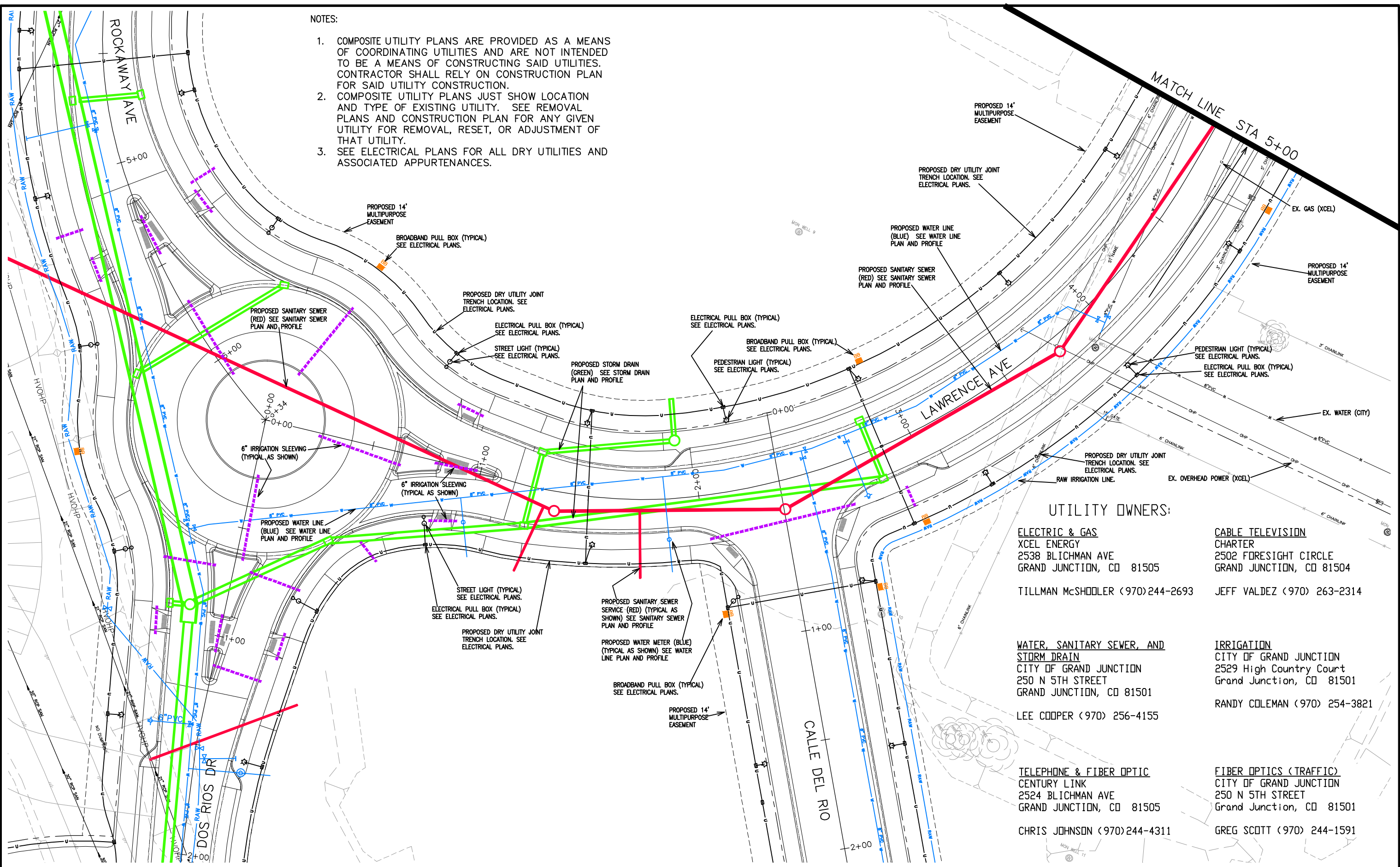
**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
COMPOSITE UTILITY PLAN - C-7  
June 19, 2020**

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- NOTES:
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**UTILITY OWNERS:**

- |  |  |
|--|--|
| <b>ELECTRIC &amp; GAS</b><br>XCEL ENERGY<br>2538 BLICHMAN AVE<br>GRAND JUNCTION, CO 81505<br>TILLMAN McSHOOLER (970)244-2693                         | <b>CABLE TELEVISION</b><br>CHARTER<br>2502 FORESIGHT CIRCLE<br>GRAND JUNCTION, CO 81504<br>JEFF VALDEZ (970) 263-2314                |
| <b>WATER, SANITARY SEWER, AND STORM DRAIN</b><br>CITY OF GRAND JUNCTION<br>250 N 5TH STREET<br>GRAND JUNCTION, CO 81501<br>LEE COOPER (970) 256-4155 | <b>IRRIGATION</b><br>CITY OF GRAND JUNCTION<br>2529 High Country Court<br>Grand Junction, CO 81501<br>RANDY COLEMAN (970) 254-3821   |
| <b>TELEPHONE &amp; FIBER OPTIC</b><br>CENTURY LINK<br>2524 BLICHMAN AVE<br>GRAND JUNCTION, CO 81505<br>CHRIS JOHNSON (970)244-4311                   | <b>FIBER OPTICS (TRAFFIC)</b><br>CITY OF GRAND JUNCTION<br>250 N 5TH STREET<br>Grand Junction, CO 81501<br>GREG SCOTT (970) 244-1591 |

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2019	PLAN & PROFILE
REVISION			JCS	2019	0 10 HORIZONTAL 20 40
REVISION			BH	2019	0 NA VERTICAL NA
REVISION			JCP	2019	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
COMPOSITE UTILITY PLAN - C-8  
June 19, 2020**

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**UTILITY OWNERS:**

**ELECTRIC & GAS**

XCEL ENERGY  
2538 BLICHMAN AVE  
GRAND JUNCTION, CO 81505

TILLMAN McSHOOLER (970)244-2693

**CABLE TELEVISION**

CHARTER  
2502 FORESIGHT CIRCLE  
GRAND JUNCTION, CO 81504

JEFF VALDEZ (970) 263-2314

**WATER, SANITARY SEWER, AND STORM DRAIN**

CITY OF GRAND JUNCTION  
250 N 5TH STREET  
GRAND JUNCTION, CO 81501

LEE COOPER (970) 256-4155

**IRRIGATION**

CITY OF GRAND JUNCTION  
2529 High Country Court  
Grand Junction, CO 81501

RANDY COLEMAN (970) 254-3821

**TELEPHONE & FIBER OPTIC**

CENTURY LINK  
2524 BLICHMAN AVE  
GRAND JUNCTION, CO 81505

CHRIS JOHNSON (970)244-4311

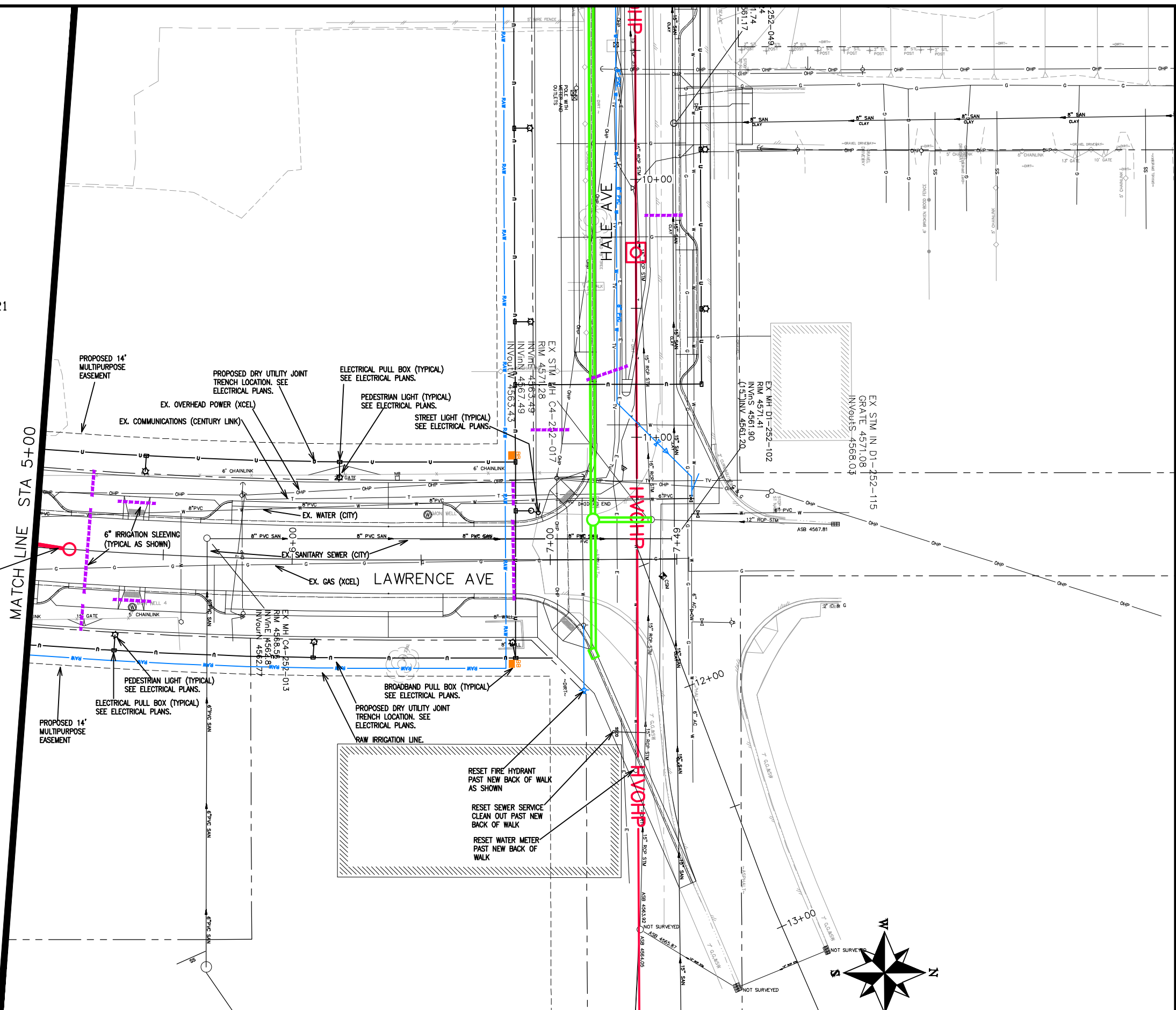
**FIBER OPTICS (TRAFFIC)**

CITY OF GRAND JUNCTION  
250 N 5TH STREET  
Grand Junction, CO 81501

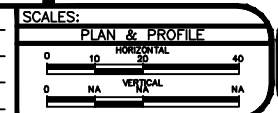
GREG SCOTT (970) 244-1591

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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ			JCS	2019
REVISION Δ			JCS	2019
REVISION Δ			BH	2019
REVISION Δ			ICP	2019



**PUBLIC WORKS ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
COMPOSITE UTILITY PLAN - C-9  
June 19, 2020**



**UTILITY OWNERS:**

**ELECTRIC & GAS**

XCEL ENERGY  
2538 BLICHMAN AVE  
GRAND JUNCTION, CO 81505

TILLMAN McSHODLER (970) 244-2693

**WATER, SANITARY SEWER, AND STORM DRAIN**

CITY OF GRAND JUNCTION  
250 N 5TH STREET  
GRAND JUNCTION, CO 81501

LEE COOPER (970) 256-4155

**CABLE TELEVISION**

CHARTER  
2502 FORESIGHT CIRCLE  
GRAND JUNCTION, CO 81504

JEFF VALDEZ (970) 263-2314

**IRRIGATION**

CITY OF GRAND JUNCTION  
2529 High Country Court  
Grand Junction, CO 81501

RANDY COLEMAN (970) 254-3821

**TELEPHONE & FIBER OPTIC**

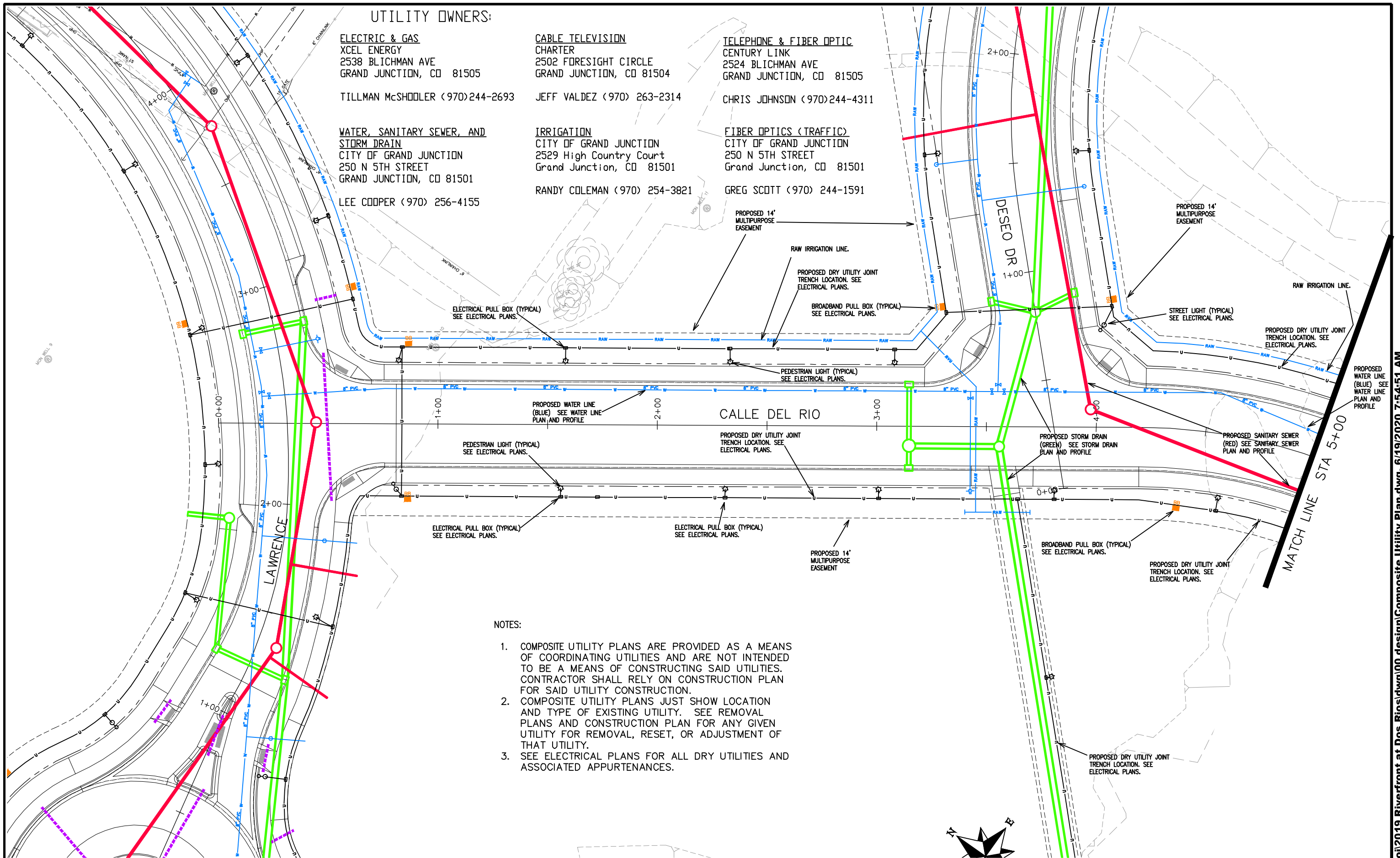
CENTURY LINK  
2524 BLICHMAN AVE  
GRAND JUNCTION, CO 81505

CHRIS JOHNSON (970) 244-4311

**FIBER OPTICS (TRAFFIC)**

CITY OF GRAND JUNCTION  
250 N 5TH STREET  
Grand Junction, CO 81501

GREG SCOTT (970) 244-1591



**NOTES:**

1. COMPOSITE UTILITY PLANS ARE PROVIDED AS A MEANS OF COORDINATING UTILITIES AND ARE NOT INTENDED TO BE A MEANS OF CONSTRUCTING SAID UTILITIES. CONTRACTOR SHALL RELY ON CONSTRUCTION PLAN FOR SAID UTILITY CONSTRUCTION.
2. COMPOSITE UTILITY PLANS JUST SHOW LOCATION AND TYPE OF EXISTING UTILITY. SEE REMOVAL PLANS AND CONSTRUCTION PLAN FOR ANY GIVEN UTILITY FOR REMOVAL, RESET, OR ADJUSTMENT OF THAT UTILITY.
3. SEE ELECTRICAL PLANS FOR ALL DRY UTILITIES AND ASSOCIATED APPURTENANCES.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ			JCS	2019
REVISION Δ			JCS	2019
REVISION Δ			BH	2019
REVISION Δ			TCP	2019

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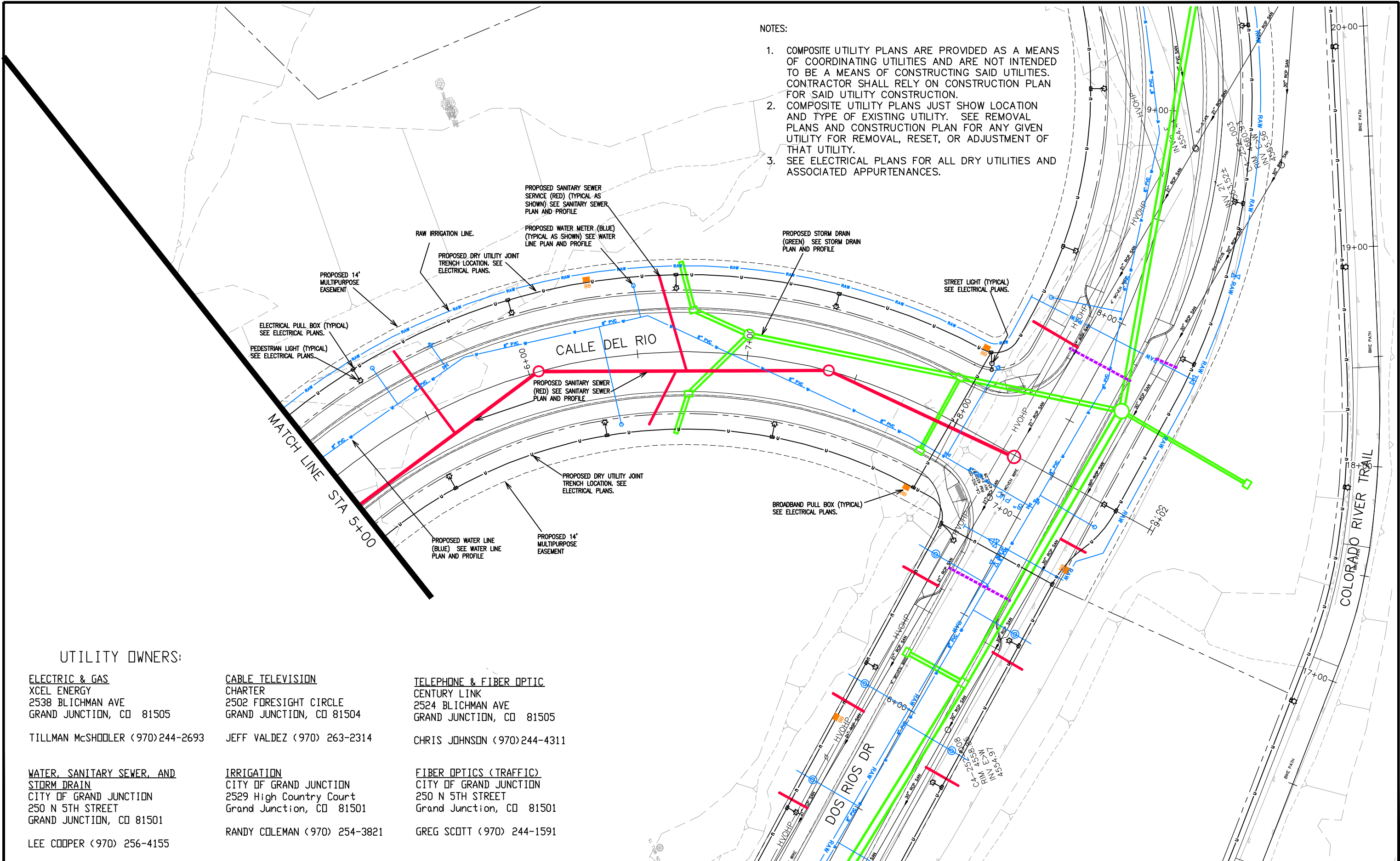


**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
COMPOSITE UTILITY PLAN - C-10  
June 19, 2020**

NOTES:

1. COMPOSITE UTILITY PLANS ARE PROVIDED AS A MEANS OF COORDINATING UTILITIES AND ARE NOT INTENDED TO BE A MEANS OF CONSTRUCTING SAID UTILITIES. CONTRACTOR SHALL RELY ON CONSTRUCTION PLAN FOR SAID UTILITY CONSTRUCTION.
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UTILITY OWNERS:

**ELECTRIC & GAS**  
 XCEL ENERGY  
 2538 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

TILLMAN McSHODLER (970)244-2693

**WATER, SANITARY SEWER, AND STORM DRAIN**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501

LEE COOPER (970) 256-4155

**CABLE TELEVISION**  
 CHARTER  
 2502 FORESIGHT CIRCLE  
 GRAND JUNCTION, CO 81504

JEFF VALDEZ (970) 263-2314

**IRRIGATION**  
 CITY OF GRAND JUNCTION  
 2529 High Country Court  
 Grand Junction, CO 81501

RANDY COLEMAN (970) 254-3821

**TELEPHONE & FIBER OPTIC**  
 CENTURY LINK  
 2524 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

CHRIS JOHNSON (970)244-4311

**FIBER OPTICS (TRAFFIC)**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 Grand Junction, CO 81501

GREG SCOTT (970) 244-1591

REVISION	DESCRIPTION	DATE
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DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

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HORIZONTAL	
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PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 COMPOSITE UTILITY PLAN - C-11  
 June 19, 2020



**UTILITY OWNERS:**

**ELECTRIC & GAS**  
 XCEL ENERGY  
 2538 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

**CABLE TELEVISION**  
 CHARTER  
 2502 FORESIGHT CIRCLE  
 GRAND JUNCTION, CO 81504

TILLMAN McSHOOLER (970)244-2693

JEFF VALDEZ (970) 263-2314

**WATER, SANITARY SEWER, AND STORM DRAIN**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501

**IRRIGATION**  
 CITY OF GRAND JUNCTION  
 2529 High Country Court  
 Grand Junction, CO 81501

LEE COOPER (970) 256-4155

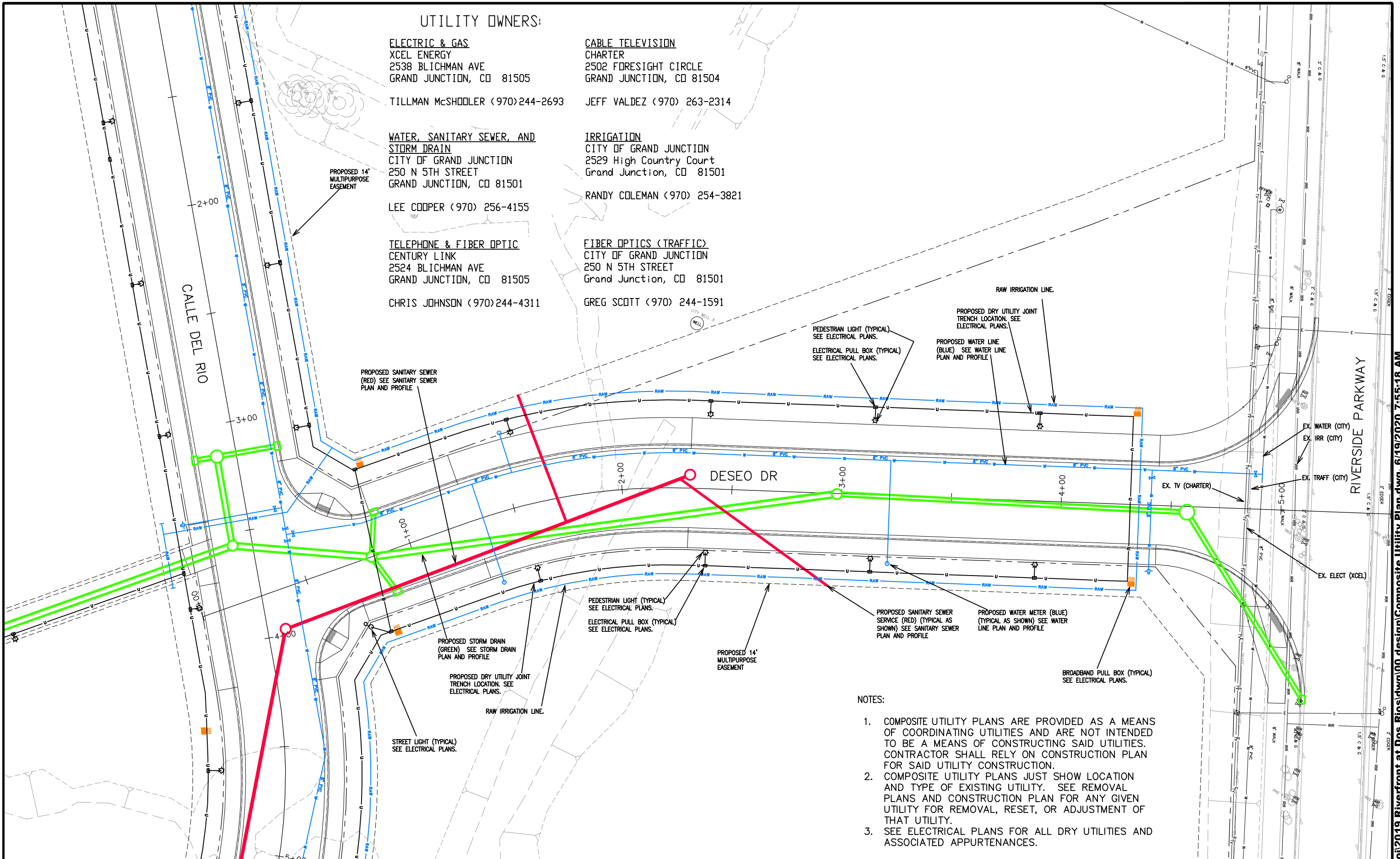
RANDY COLEMAN (970) 254-3821

**TELEPHONE & FIBER OPTIC**  
 CENTURY LINK  
 2524 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

**FIBER OPTICS (TRAFFIC)**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 Grand Junction, CO 81501

CHRIS JOHNSON (970)244-4311

GREG SCOTT (970) 244-1591



- NOTES:**
1. COMPOSITE UTILITY PLANS ARE PROVIDED AS A MEANS OF COORDINATING UTILITIES AND ARE NOT INTENDED TO BE A MEANS OF CONSTRUCTING SAID UTILITIES. CONTRACTOR SHALL RELY ON CONSTRUCTION PLAN FOR SAID UTILITY CONSTRUCTION.
  2. COMPOSITE UTILITY PLANS JUST SHOW LOCATION AND TYPE OF EXISTING UTILITY. SEE REMOVAL PLANS AND CONSTRUCTION PLAN FOR ANY GIVEN UTILITY FOR REMOVAL, RESET, OR ADJUSTMENT OF THAT UTILITY.
  3. SEE ELECTRICAL PLANS FOR ALL DRY UTILITIES AND ASSOCIATED APPURTENANCES.

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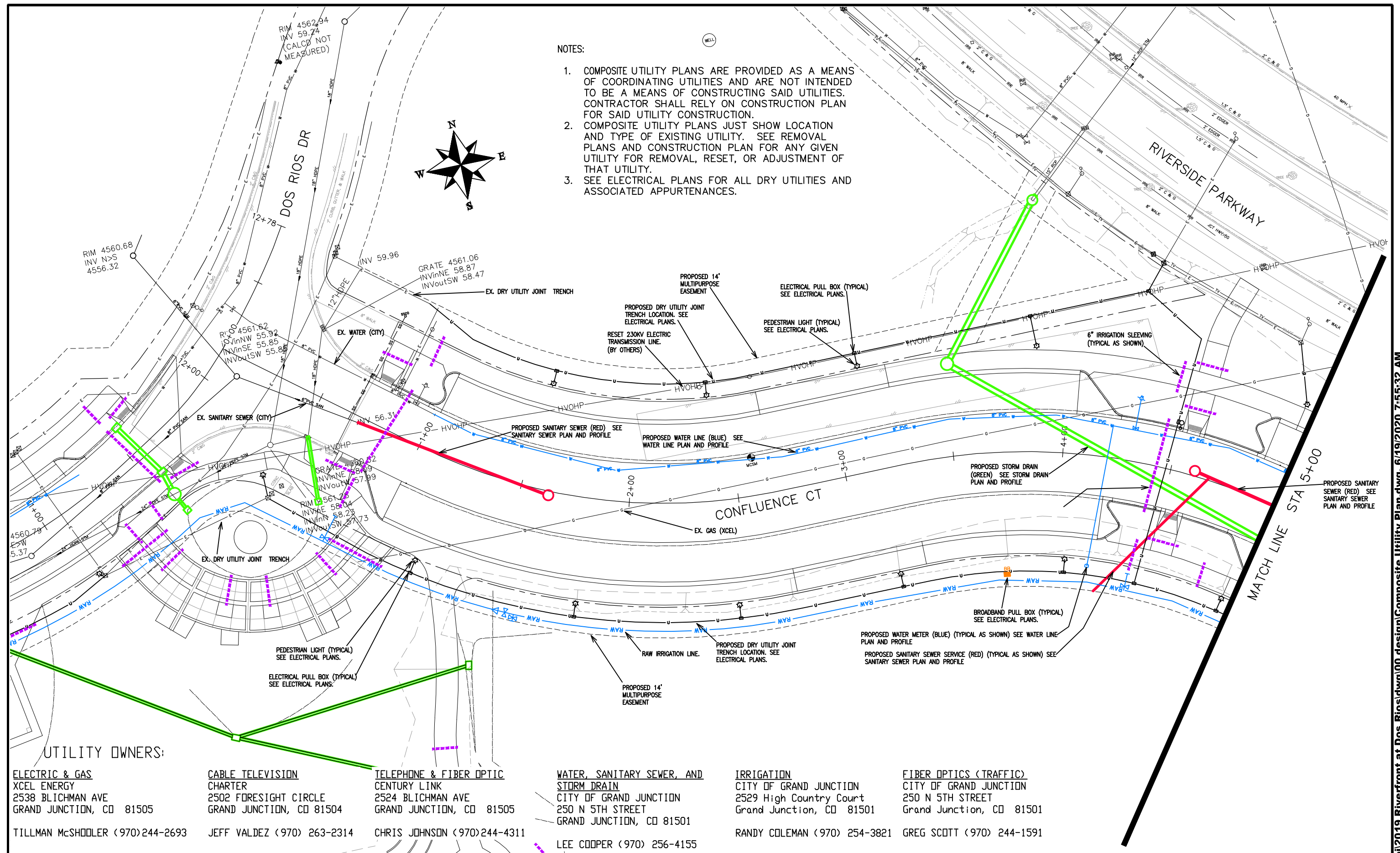
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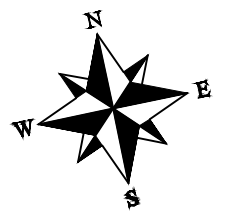


**PUBLIC WORKS ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
 COMPOSITE UTILITY PLAN - C-12  
 June 19, 2020**



- NOTES:
1. COMPOSITE UTILITY PLANS ARE PROVIDED AS A MEANS OF COORDINATING UTILITIES AND ARE NOT INTENDED TO BE A MEANS OF CONSTRUCTING SAID UTILITIES. CONTRACTOR SHALL RELY ON CONSTRUCTION PLAN FOR SAID UTILITY CONSTRUCTION.
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  3. SEE ELECTRICAL PLANS FOR ALL DRY UTILITIES AND ASSOCIATED APPURTENANCES.



**UTILITY OWNERS:**

<p><b>ELECTRIC &amp; GAS</b>          XCEL ENERGY          2538 BLICHMAN AVE          GRAND JUNCTION, CO 81505          TILLMAN McSHODLER (970)244-2693</p>	<p><b>CABLE TELEVISION</b>          CHARTER          2502 FORESIGHT CIRCLE          GRAND JUNCTION, CO 81504          JEFF VALDEZ (970) 263-2314</p>	<p><b>TELEPHONE &amp; FIBER OPTIC</b>          CENTURY LINK          2524 BLICHMAN AVE          GRAND JUNCTION, CO 81505          CHRIS JOHNSON (970)244-4311</p>	<p><b>WATER, SANITARY SEWER, AND STORM DRAIN</b>          CITY OF GRAND JUNCTION          250 N 5TH STREET          GRAND JUNCTION, CO 81501          LEE COOPER (970) 256-4155</p>	<p><b>IRRIGATION</b>          CITY OF GRAND JUNCTION          2529 High Country Court          Grand Junction, CO 81501          RANDY COLEMAN (970) 254-3821</p>	<p><b>FIBER OPTICS (TRAFFIC)</b>          CITY OF GRAND JUNCTION          250 N 5TH STREET          Grand Junction, CO 81501          GREG SCOTT (970) 244-1591</p>
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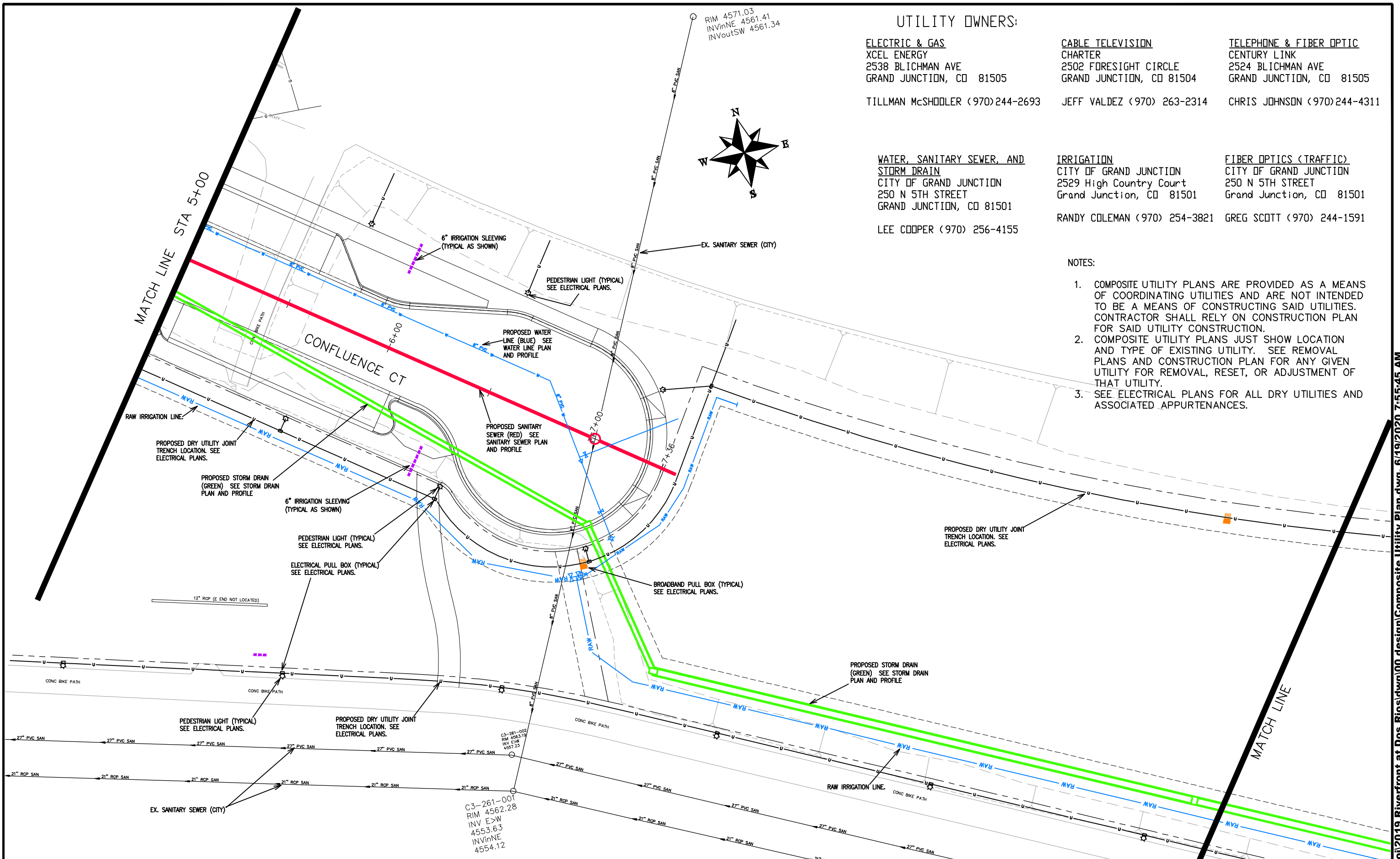


**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
COMPOSITE UTILITY PLAN - C-13  
June 19, 2020**

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**UTILITY OWNERS:**

**ELECTRIC & GAS**  
 XCEL ENERGY  
 2538 Blichman Ave  
 Grand Junction, CO 81505  
 TILLMAN McSHOOLER (970)244-2693

**WATER, SANITARY SEWER, AND STORM DRAIN**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501  
 LEE COOPER (970) 256-4155

**CABLE TELEVISION**  
 CHARTER  
 2502 FORESIGHT CIRCLE  
 GRAND JUNCTION, CO 81504  
 JEFF VALDEZ (970) 263-2314

**IRRIGATION**  
 CITY OF GRAND JUNCTION  
 2529 High Country Court  
 Grand Junction, CO 81501  
 RANDY COLEMAN (970) 254-3821

**TELEPHONE & FIBER OPTIC**  
 CENTURY LINK  
 2524 Blichman Ave  
 GRAND JUNCTION, CO 81505  
 CHRIS JOHNSON (970)244-4311

**FIBER OPTICS (TRAFFIC)**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 Grand Junction, CO 81501  
 GREG SCOTT (970) 244-1591

**NOTES:**

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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ			JCS	2019
REVISION Δ			JCS	2019
REVISION Δ			BH	2019
REVISION Δ			TCP	2019

SCALES:  
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**PUBLIC WORKS  
 ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
 COMPOSITE UTILITY PLAN - C-14  
 June 19, 2020**

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RIVERSIDE PARKWAY

UTILITY OWNERS:

**ELECTRIC & GAS**  
 XCEL ENERGY  
 2538 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

**CABLE TELEVISION**  
 CHARTER  
 2502 FORESIGHT CIRCLE  
 GRAND JUNCTION, CO 81504

**TELEPHONE & FIBER OPTIC**  
 CENTURY LINK  
 2524 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

TILLMAN McSHOOLER (970)244-2693

JEFF VALDEZ (970) 263-2314

CHRIS JOHNSON (970)244-4311

**WATER, SANITARY SEWER, AND STORM DRAIN**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501

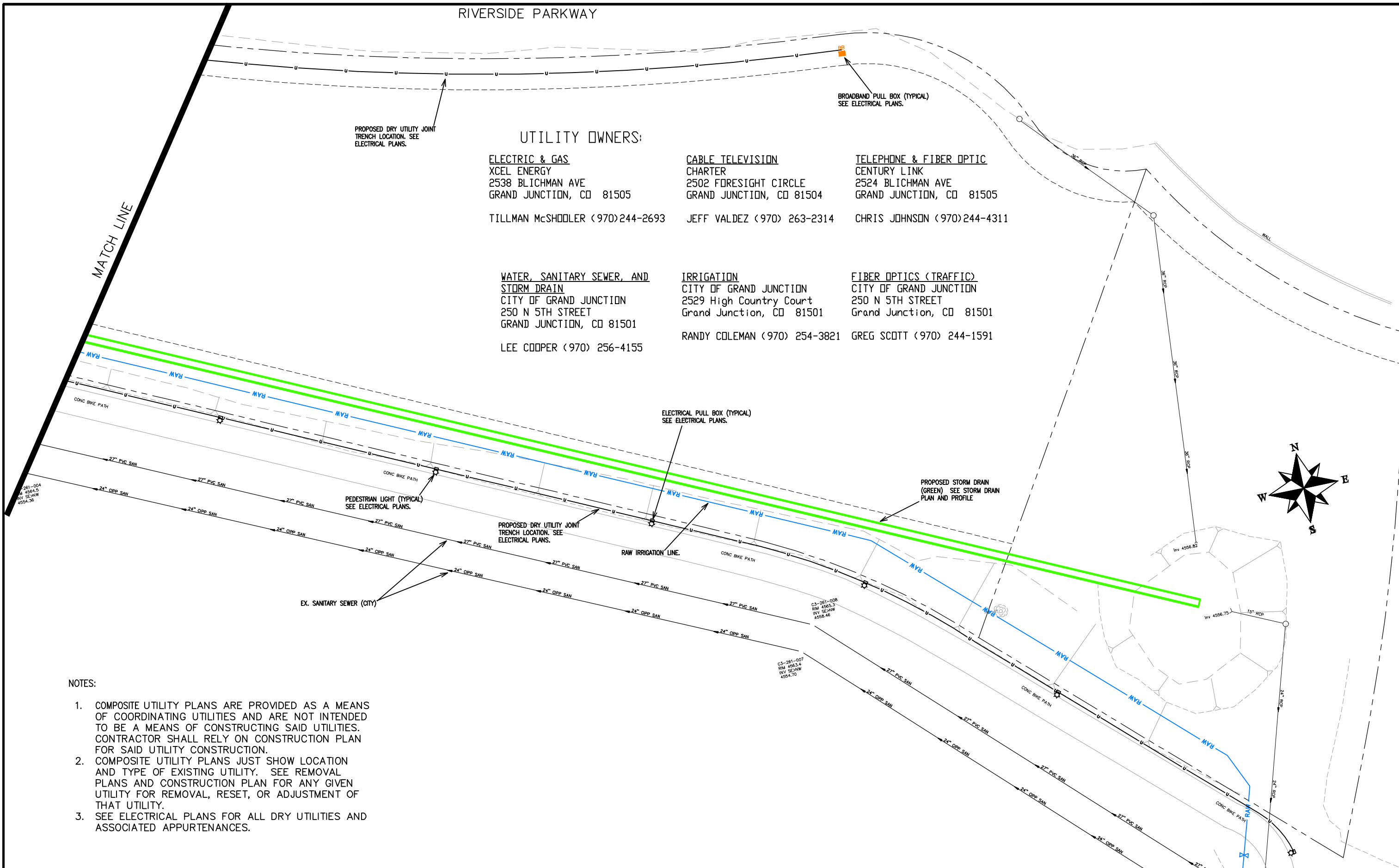
**IRRIGATION**  
 CITY OF GRAND JUNCTION  
 2529 High Country Court  
 Grand Junction, CO 81501

**FIBER OPTICS (TRAFFIC)**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 Grand Junction, CO 81501

LEE COOPER (970) 256-4155

RANDY COLEMAN (970) 254-3821

GREG SCOTT (970) 244-1591



- NOTES:
1. COMPOSITE UTILITY PLANS ARE PROVIDED AS A MEANS OF COORDINATING UTILITIES AND ARE NOT INTENDED TO BE A MEANS OF CONSTRUCTING SAID UTILITIES. CONTRACTOR SHALL RELY ON CONSTRUCTION PLAN FOR SAID UTILITY CONSTRUCTION.
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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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△			JCS	2019
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△			TCP	2019

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HORIZONTAL			
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VERTICAL			



PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 COMPOSITE UTILITY PLAN - C-15  
 June 19, 2020

**UTILITY OWNERS:**

**ELECTRIC & GAS**

XCEL ENERGY  
2538 BLICHMAN AVE  
GRAND JUNCTION, CO 81505

TILLMAN McSHODLER (970) 244-2693

**CABLE TELEVISION**

CHARTER  
2502 FORESIGHT CIRCLE  
GRAND JUNCTION, CO 81504

JEFF VALDEZ (970) 263-2314

**TELEPHONE & FIBER OPTIC**

CENTURY LINK  
2524 BLICHMAN AVE  
GRAND JUNCTION, CO 81505

CHRIS JOHNSON (970) 244-4311

**WATER, SANITARY SEWER, AND STORM DRAIN**

CITY OF GRAND JUNCTION  
250 N 5TH STREET  
GRAND JUNCTION, CO 81501

LEE COOPER (970) 256-4155

**IRRIGATION**

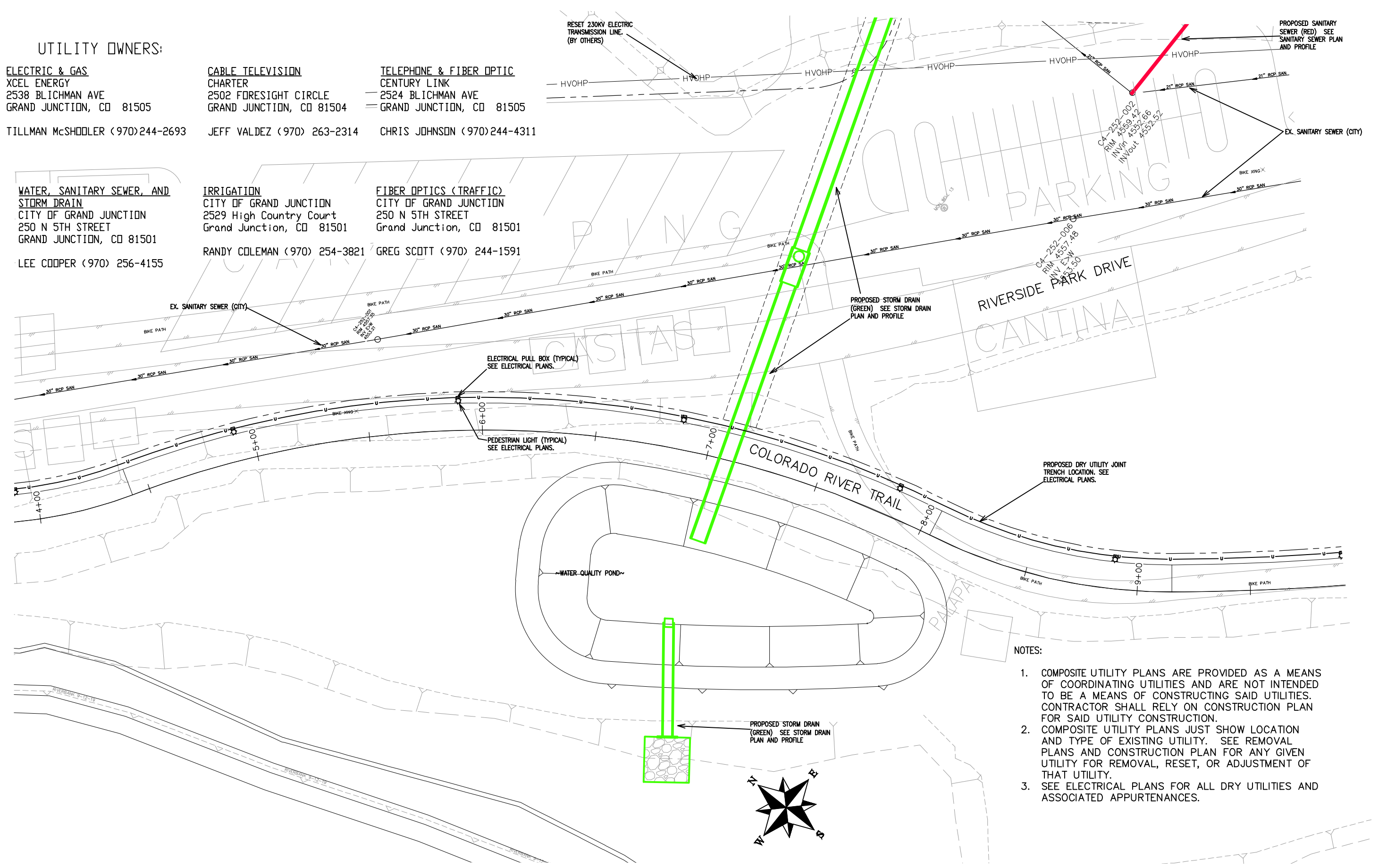
CITY OF GRAND JUNCTION  
2529 High Country Court  
Grand Junction, CO 81501

RANDY COLEMAN (970) 254-3821

**FIBER OPTICS (TRAFFIC)**

CITY OF GRAND JUNCTION  
250 N 5TH STREET  
Grand Junction, CO 81501

GREG SCOTT (970) 244-1591



- NOTES:**
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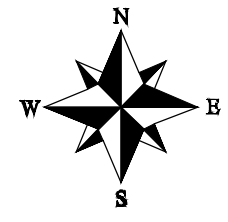
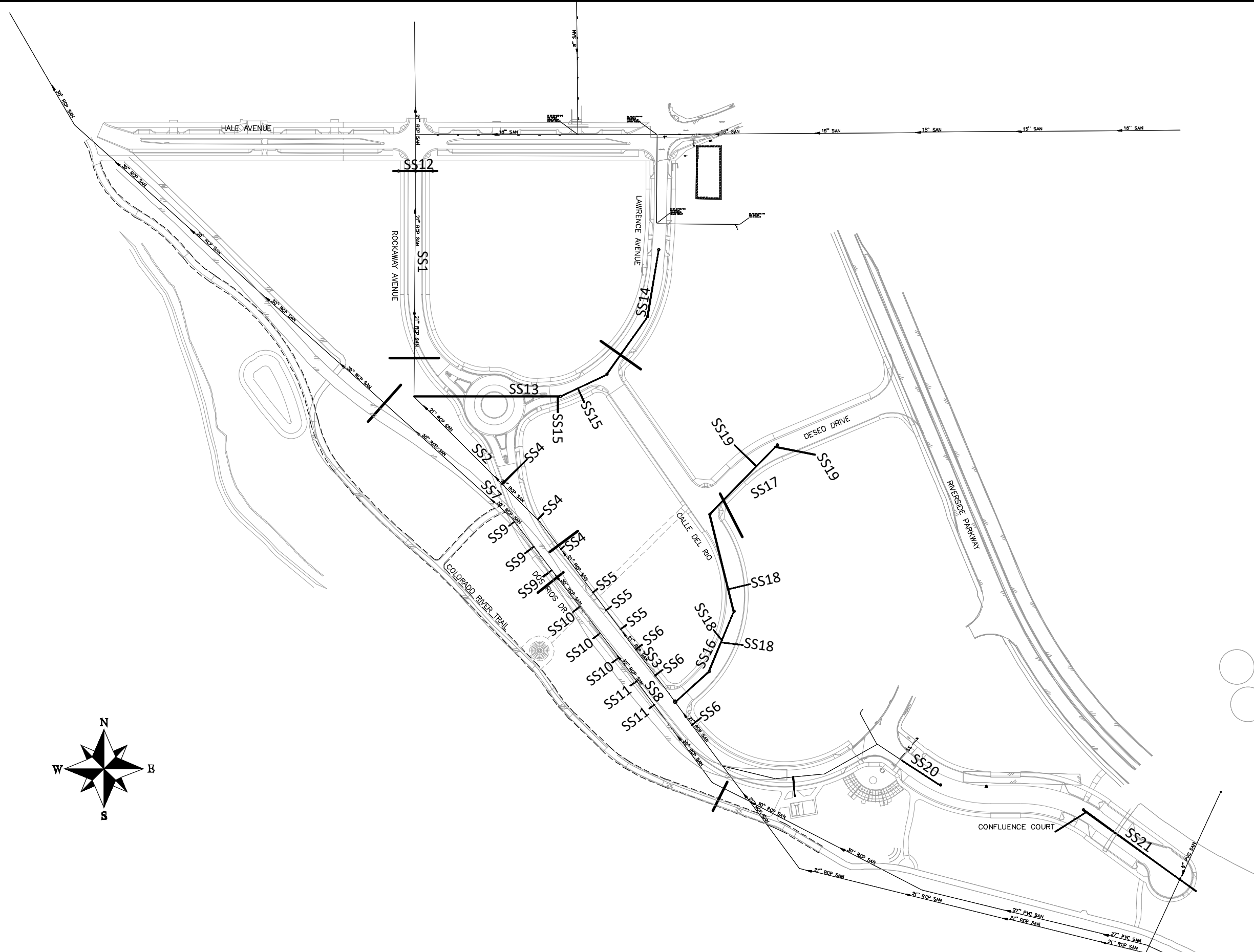
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REVISION			BH	2019	0 NA NA VERTICAL
REVISION			TCP	2019	



**PUBLIC WORKS ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
COMPOSITE UTILITY PLAN - C-16  
June 19, 2020**

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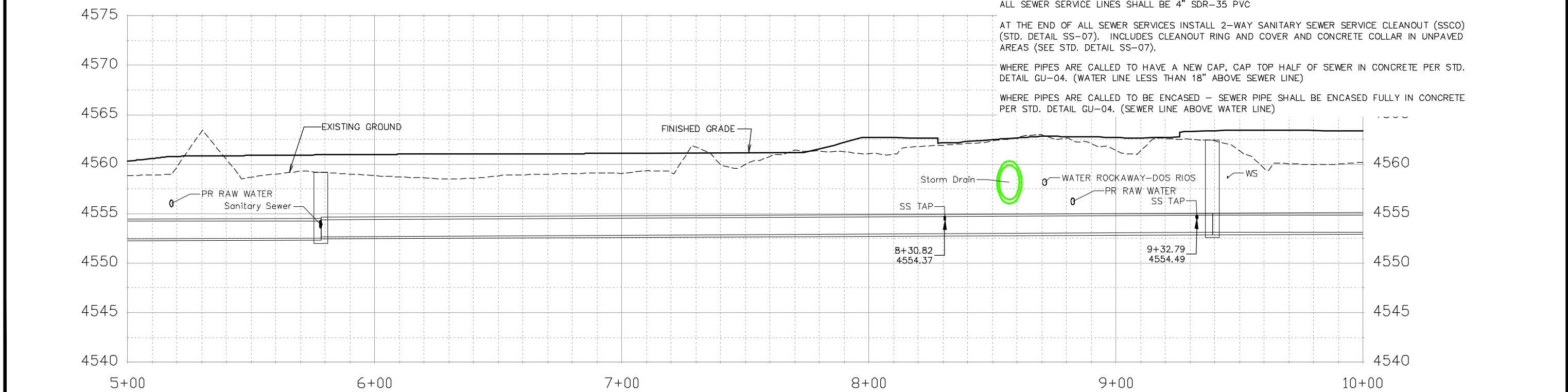
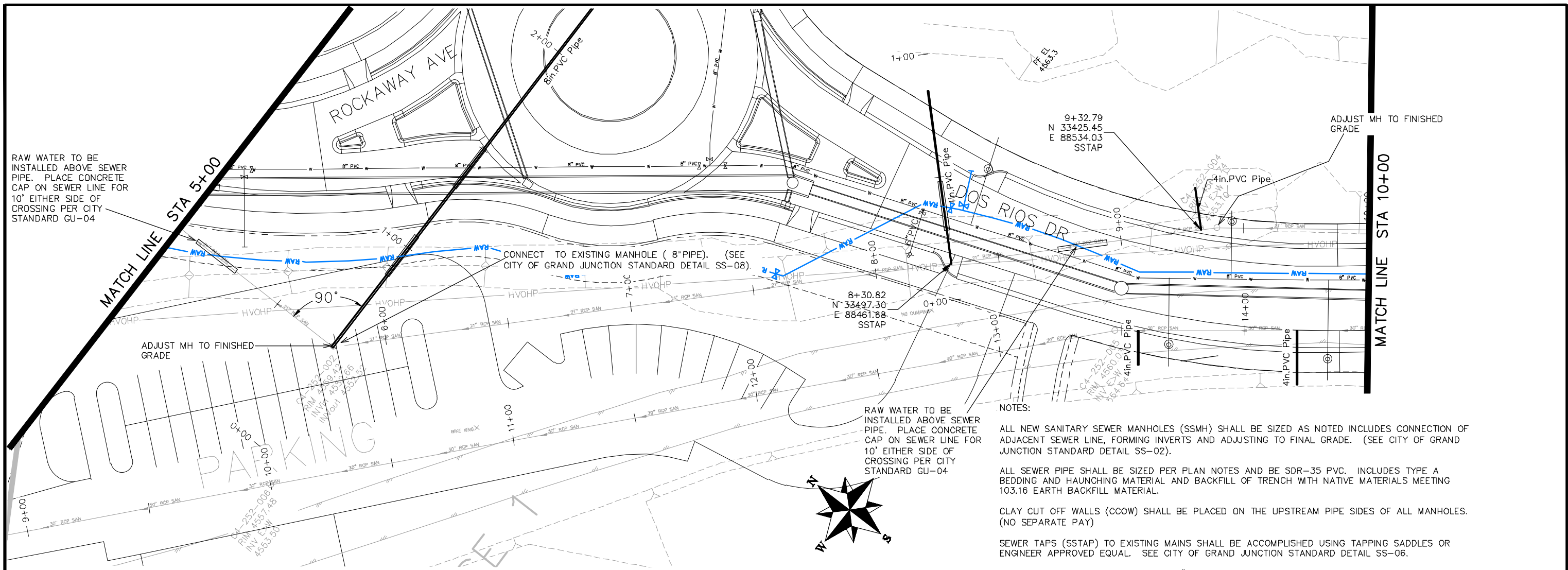
**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER SHEET INDEX  
June 18, 2020**

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- NOTES:
- ALL NEW SANITARY SEWER MANHOLES (SSMH) SHALL BE SIZED AS NOTED INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
  - ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - CLAY CUT OFF WALLS (CCOW) SHALL BE PLACED ON THE UPSTREAM PIPE SIDES OF ALL MANHOLES. (NO SEPARATE PAY)
  - SEWER TAPS (SSTAP) TO EXISTING MAINS SHALL BE ACCOMPLISHED USING TAPPING SADDLES OR ENGINEER APPROVED EQUAL. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.
  - ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC
  - AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
  - WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
  - WHERE PIPES ARE CALLED TO BE ENCASED - SEWER PIPE SHALL BE ENCASED FULLY IN CONCRETE PER STD. DETAIL GU-04. (SEWER LINE ABOVE WATER LINE)

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TGP	2019

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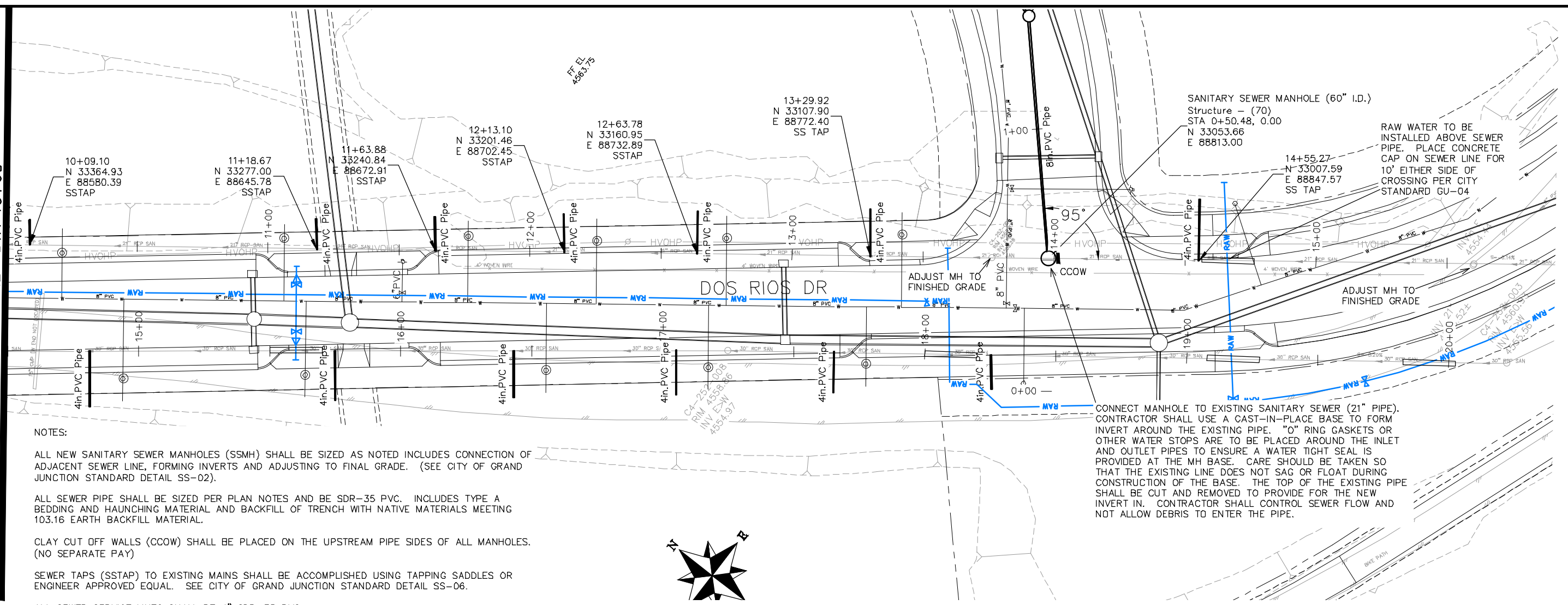
**CITY OF Grand Junction COLORADO**

**PUBLIC WORKS ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
 SANITARY SEWER PH 2 - SS2  
 June 18, 2020**

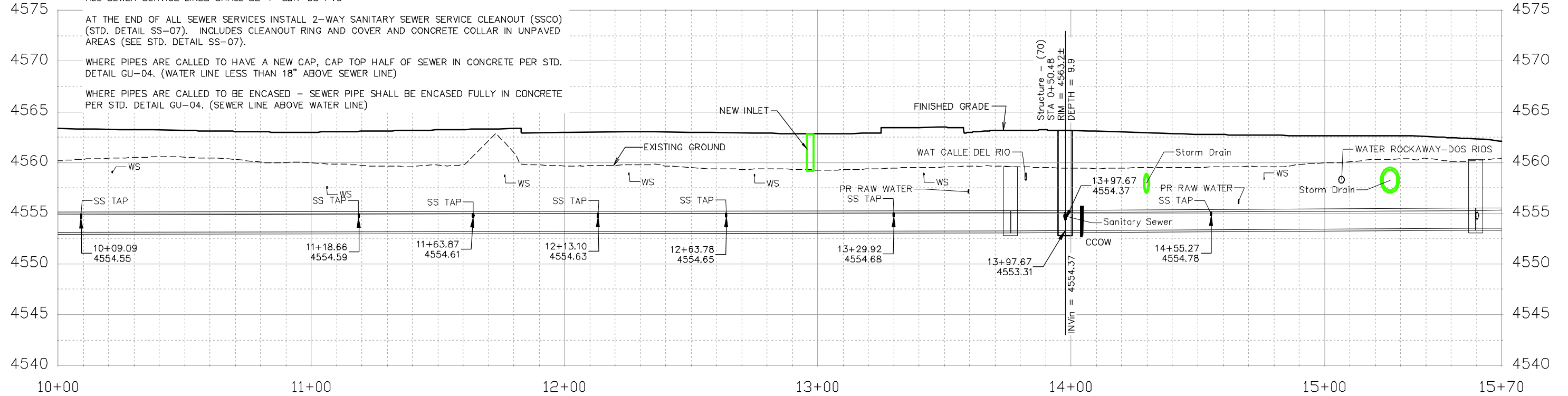
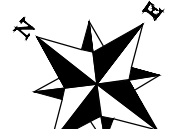
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MATCH LINE STA 10+00



NOTES:

- ALL NEW SANITARY SEWER MANHOLES (SSMH) SHALL BE SIZED AS NOTED INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
- ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- CLAY CUT OFF WALLS (CCOW) SHALL BE PLACED ON THE UPSTREAM PIPE SIDES OF ALL MANHOLES. (NO SEPARATE PAY)
- SEWER TAPS (SSTAP) TO EXISTING MAINS SHALL BE ACCOMPLISHED USING TAPPING SADDLES OR ENGINEER APPROVED EQUAL. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.
- ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC



SCALES:	
0	40
10	40
HORIZONTAL	
0	10
2.5	10
VERTICAL	

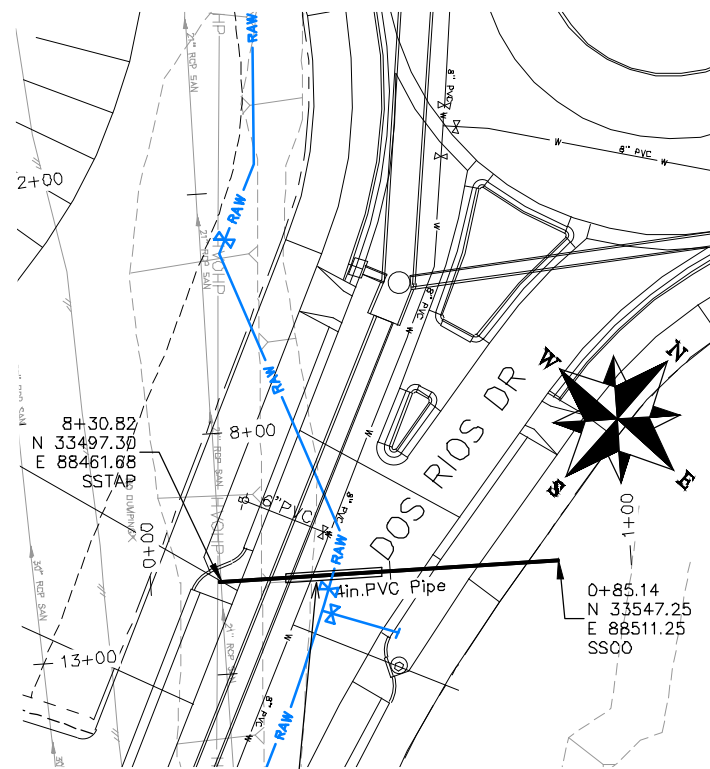


PUBLIC WORKS  
ENGINEERING DIVISION

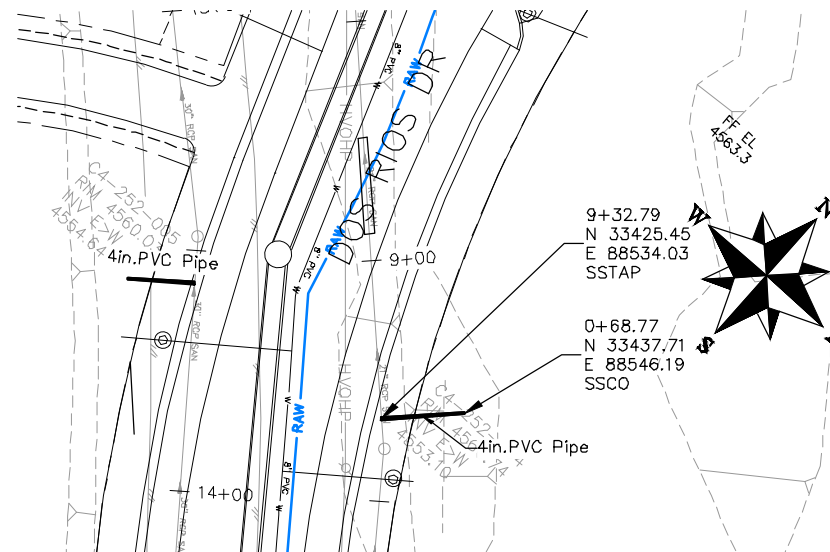
THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS3  
June 18, 2020

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RAW WATER TO BE INSTALLED ABOVE SEWER PIPE. PLACE CONCRETE CAP ON SEWER LINE FOR 10' EITHER SIDE OF CROSSING PER CITY STANDARD GU-04



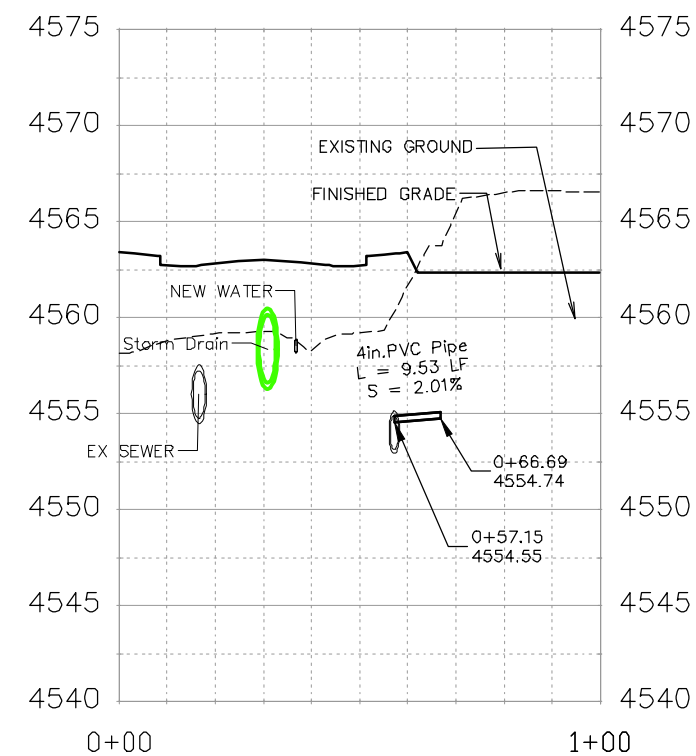
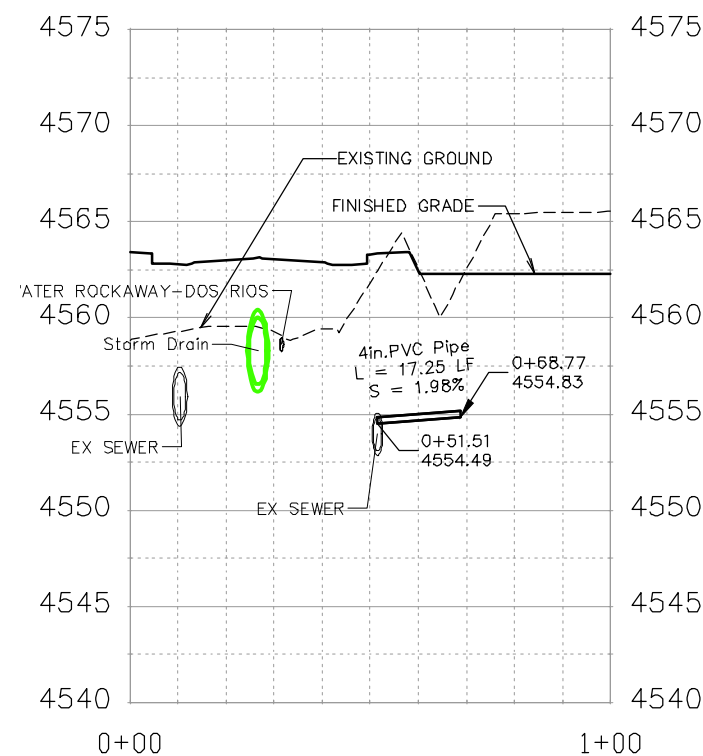
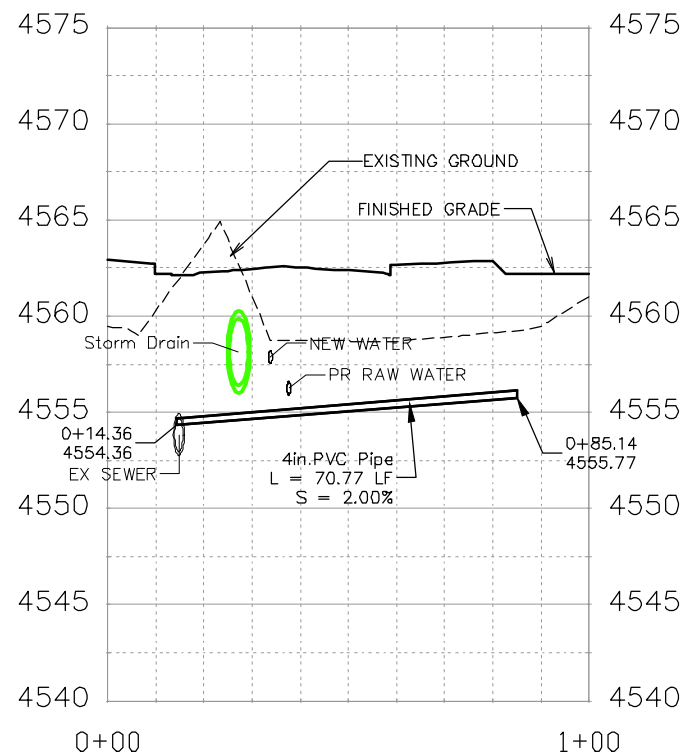
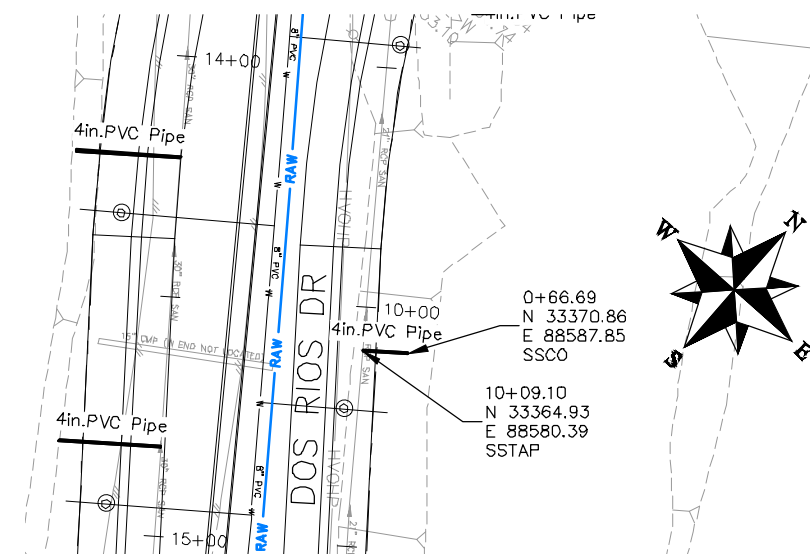
NOTES:

ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

SEWER TAPS (SSTAT) TO EXISTING MAINS SHALL BE ACCOMPLISHED USING TAPPING SADDLES OR ENGINEER APPROVED EQUAL. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.

ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	APPROVED BY	DATE
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REVISION			JCS	2019		
REVISION			BH	2019		
REVISION						

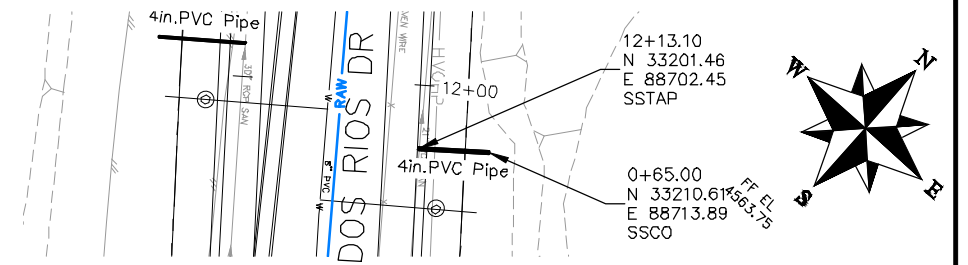
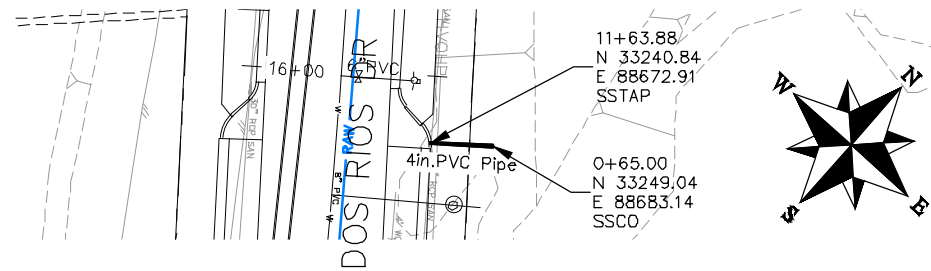
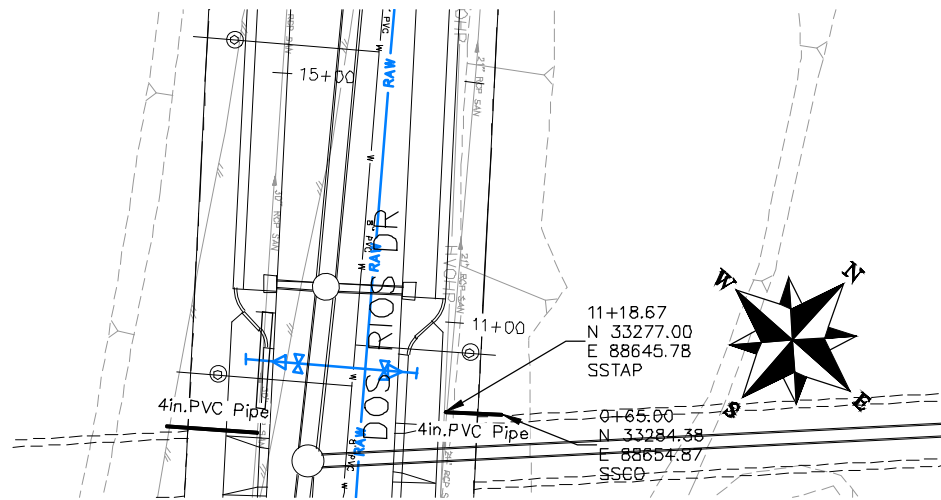
SCALES:  
 PLAN & PROFILE  
 1" = 20'  
 1" = 2.5'

PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS4  
June 18, 2020

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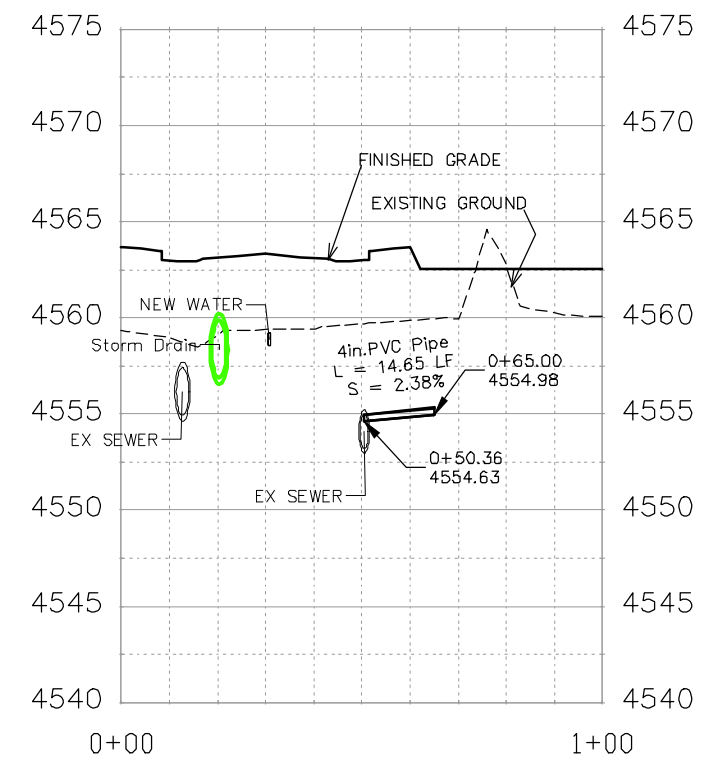
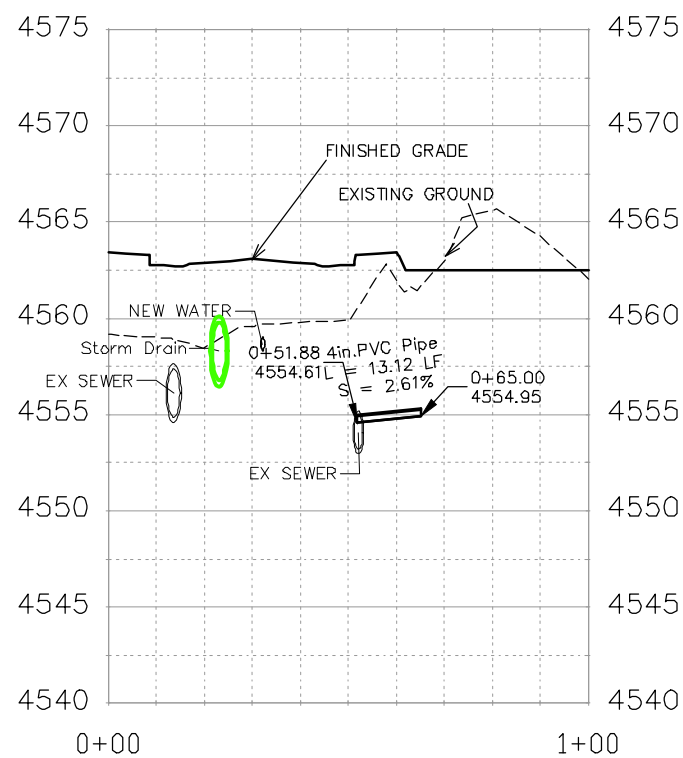
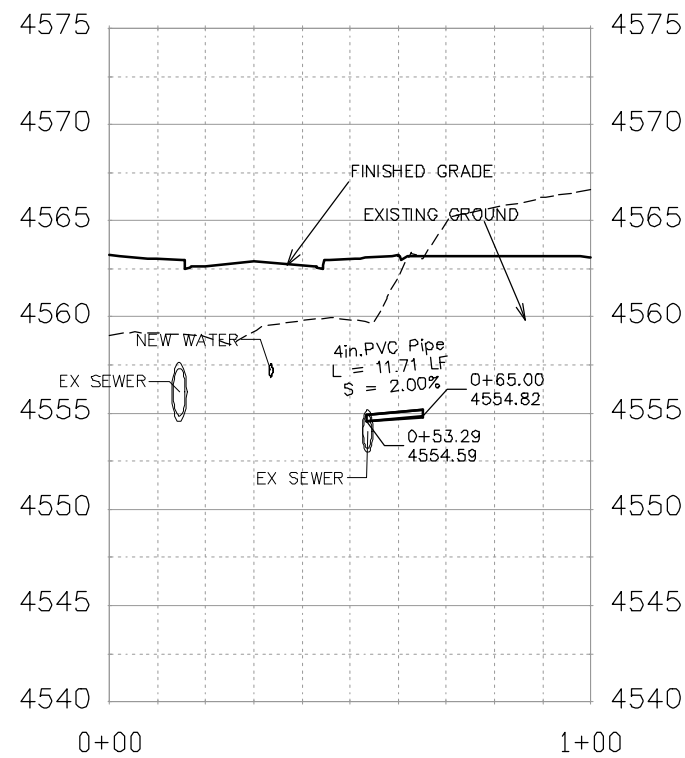
NOTES:

ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

SEWER TAPS (SSTAP) TO EXISTING MAINS SHALL BE ACCOMPLISHED USING TAPPING SADDLES OR ENGINEER APPROVED EQUAL. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.

ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).

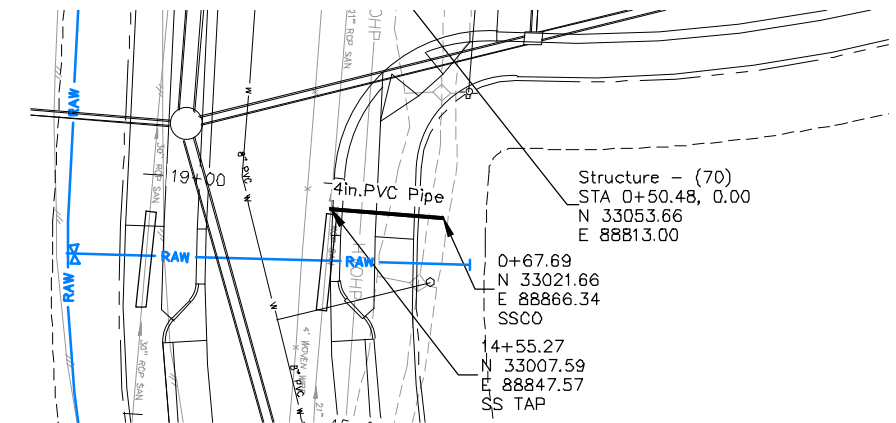
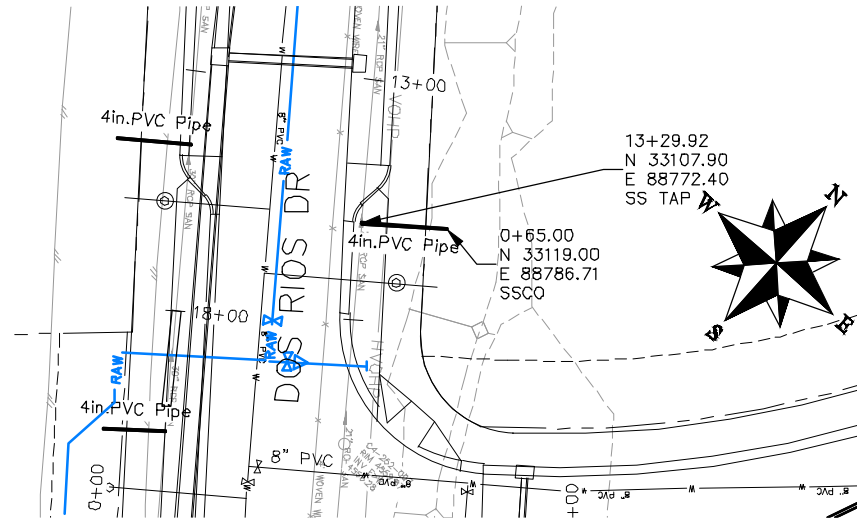
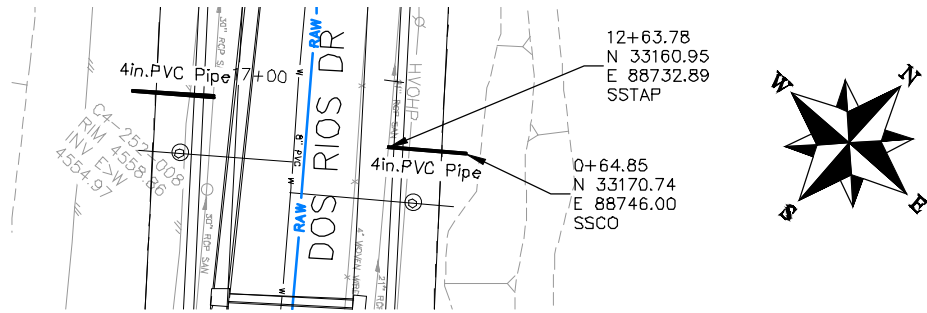


REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
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REVISION			JCS	2019	0 10 HORIZONTAL 40
REVISION			BH	2019	0 2.5 VERTICAL 10
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PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS5  
June 18, 2020



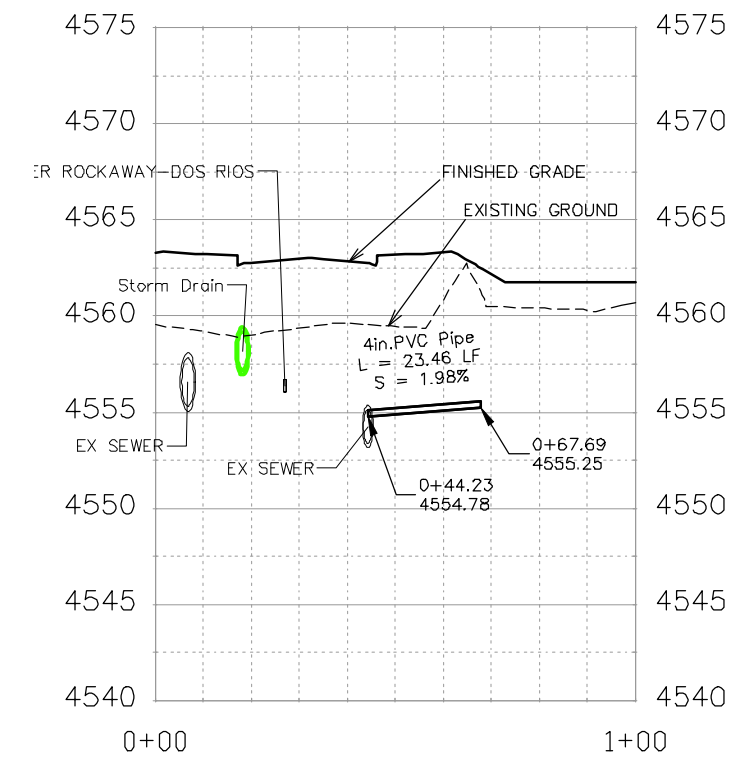
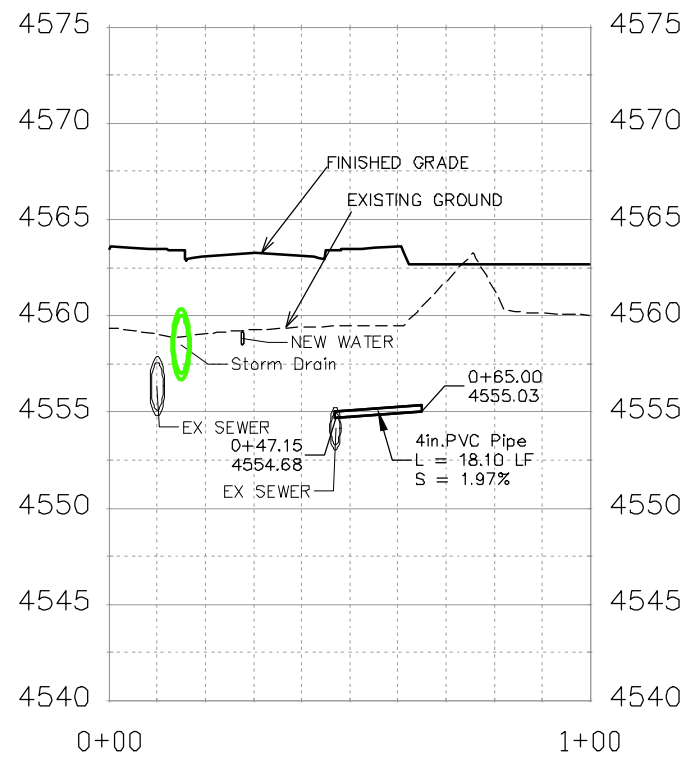
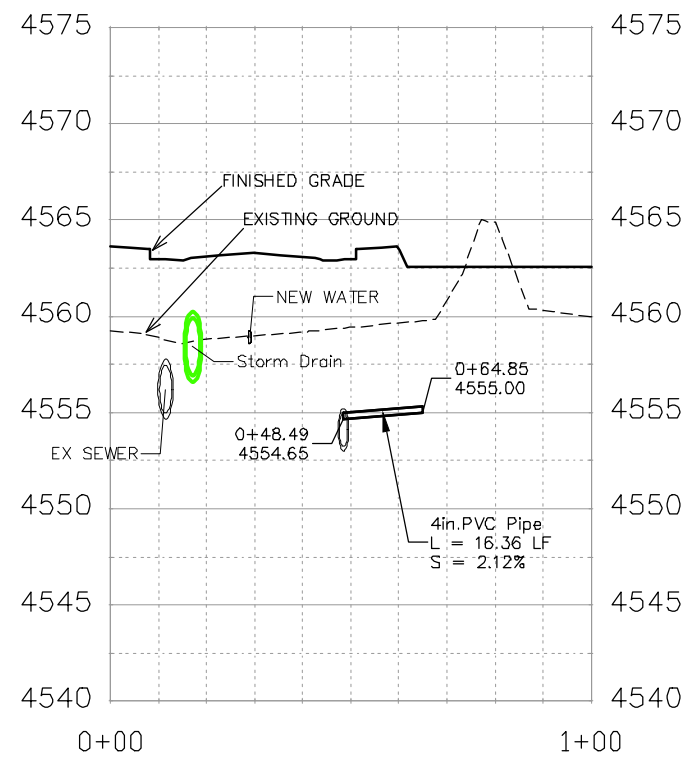
NOTES:

ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

SEWER TAPS (SSTAP) TO EXISTING MAINS SHALL BE ACCOMPLISHED USING TAPPING SADDLES OR ENGINEER APPROVED EQUAL. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.

ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).



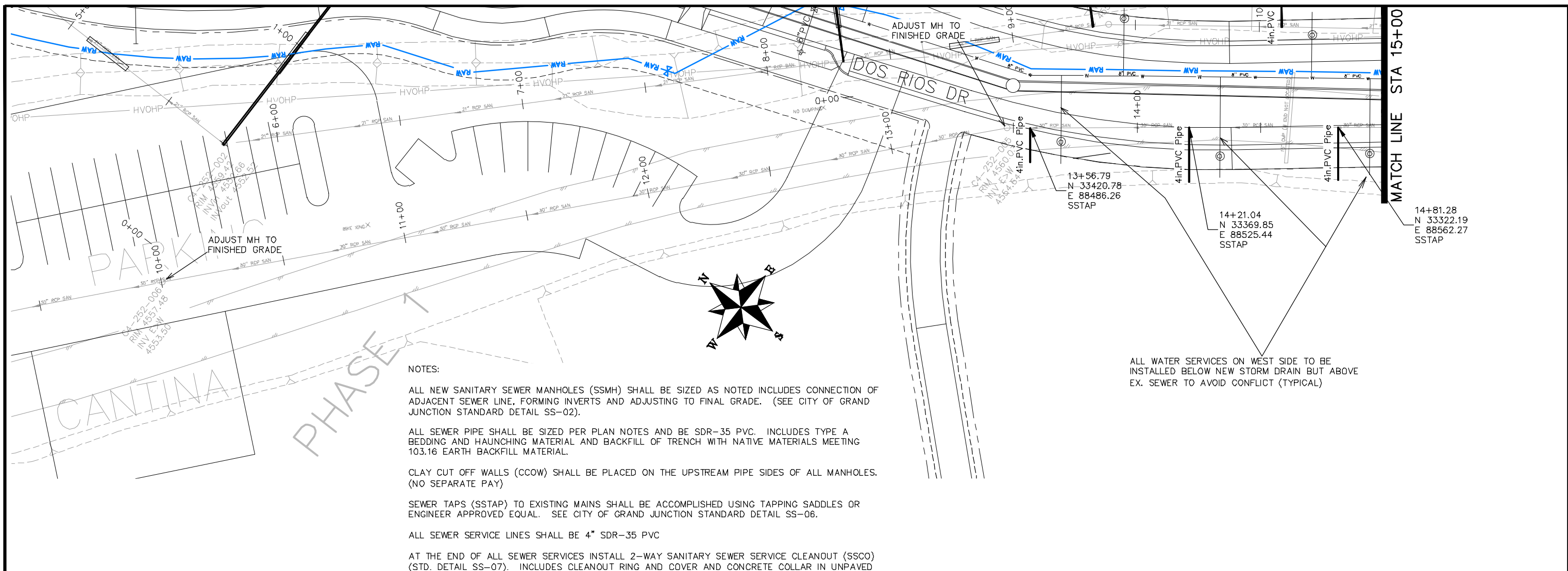
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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REVISION			JCS	2019	0 10 HORIZONTAL 40
REVISION			BH	2019	0 2.5 VERTICAL 10
REVISION			TGP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS8  
June 18, 2020

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NOTES:

ALL NEW SANITARY SEWER MANHOLES (SSMH) SHALL BE SIZED AS NOTED INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).

ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

CLAY CUT OFF WALLS (CCOW) SHALL BE PLACED ON THE UPSTREAM PIPE SIDES OF ALL MANHOLES. (NO SEPARATE PAY)

SEWER TAPS (SSTAP) TO EXISTING MAINS SHALL BE ACCOMPLISHED USING TAPPING SADDLES OR ENGINEER APPROVED EQUAL. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.

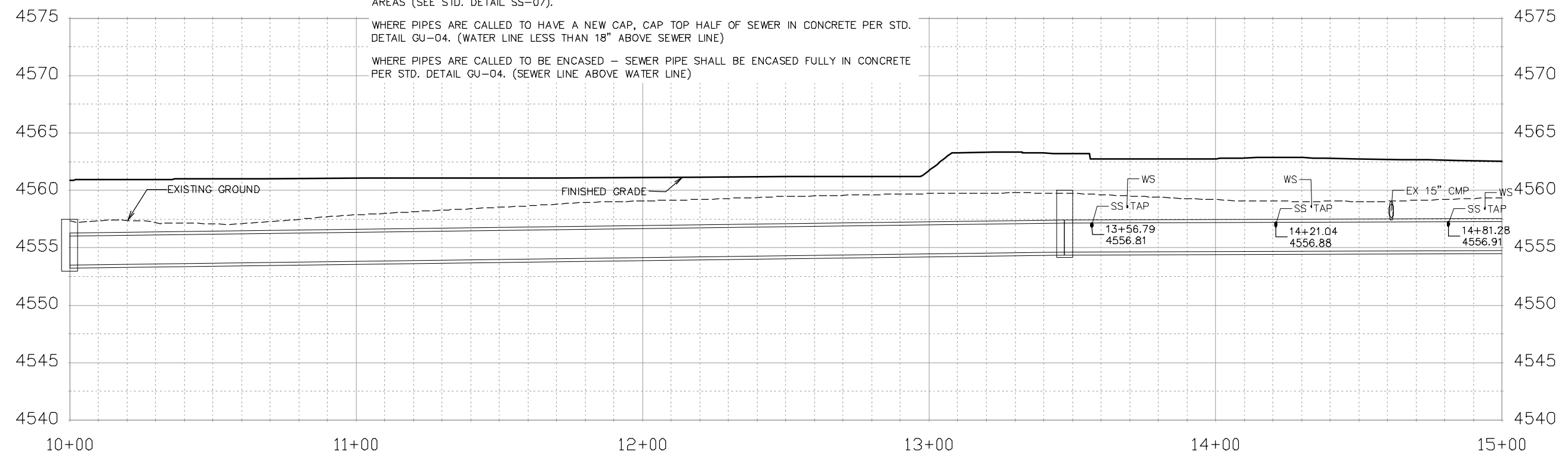
ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).

WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)

WHERE PIPES ARE CALLED TO BE ENCASED - SEWER PIPE SHALL BE ENCASED FULLY IN CONCRETE PER STD. DETAIL GU-04. (SEWER LINE ABOVE WATER LINE)

ALL WATER SERVICES ON WEST SIDE TO BE INSTALLED BELOW NEW STORM DRAIN BUT ABOVE EX. SEWER TO AVOID CONFLICT (TYPICAL)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	2019
△			JCS	2019	
△			JCS	2019	
△			BH	2019	
△			TGP	2019	

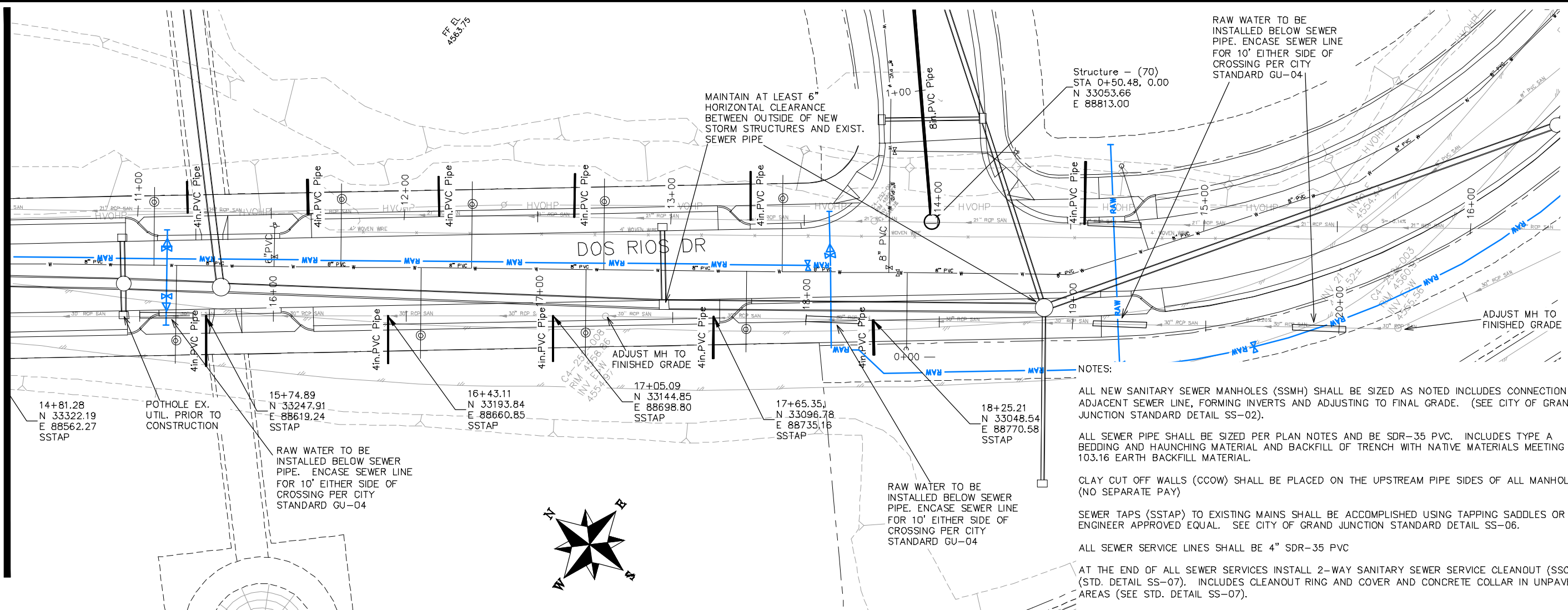
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 1" = 10' HORIZONTAL  
 1" = 2.5' VERTICAL

**PUBLIC WORKS  
ENGINEERING DIVISION**

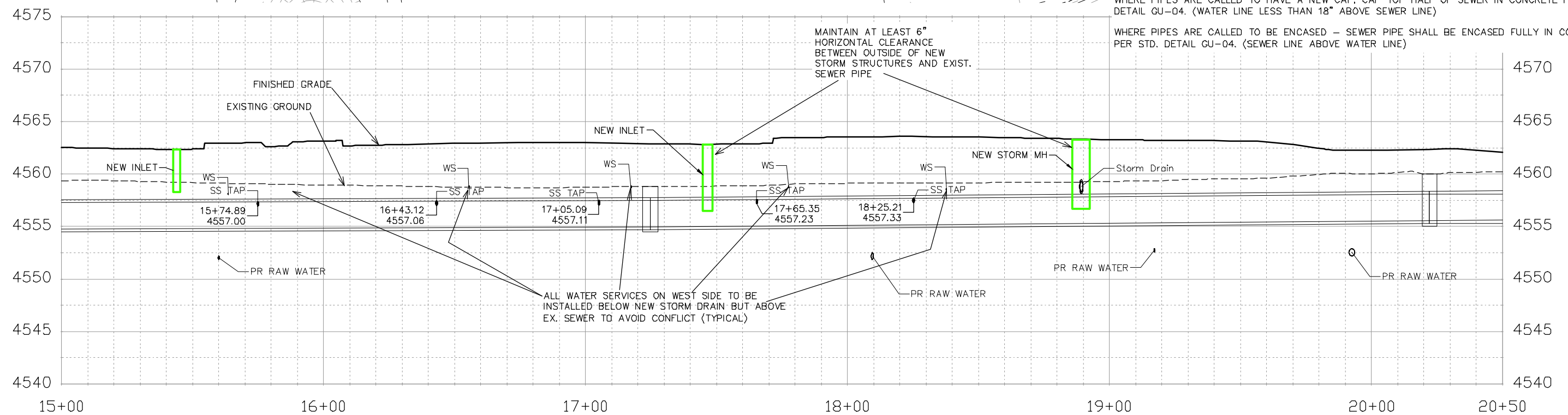
**THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS7  
June 18, 2020**

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MATCH LINE STA 15+00



- NOTES:
- ALL NEW SANITARY SEWER MANHOLES (SSMH) SHALL BE SIZED AS NOTED INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
  - ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - CLAY CUT OFF WALLS (CCOW) SHALL BE PLACED ON THE UPSTREAM PIPE SIDES OF ALL MANHOLES. (NO SEPARATE PAY)
  - SEWER TAPS (SSTAP) TO EXISTING MAINS SHALL BE ACCOMPLISHED USING TAPPING SADDLES OR ENGINEER APPROVED EQUAL. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.
  - ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC
  - AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
  - WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
  - WHERE PIPES ARE CALLED TO BE ENCASED - SEWER PIPE SHALL BE ENCASED FULLY IN CONCRETE PER STD. DETAIL GU-04. (SEWER LINE ABOVE WATER LINE)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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△			TGP	2019	

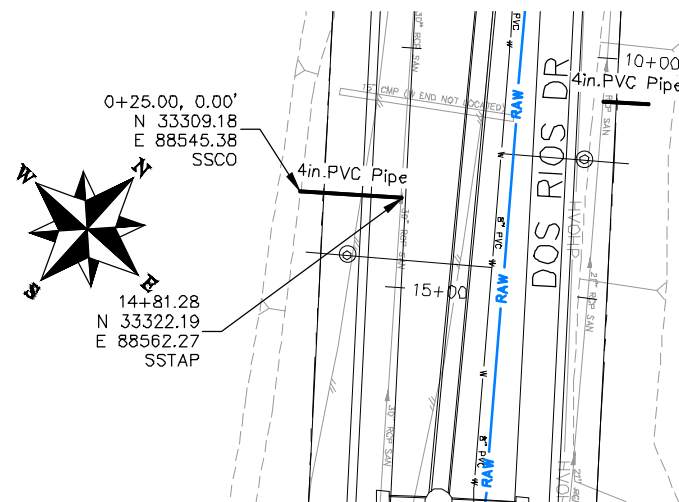
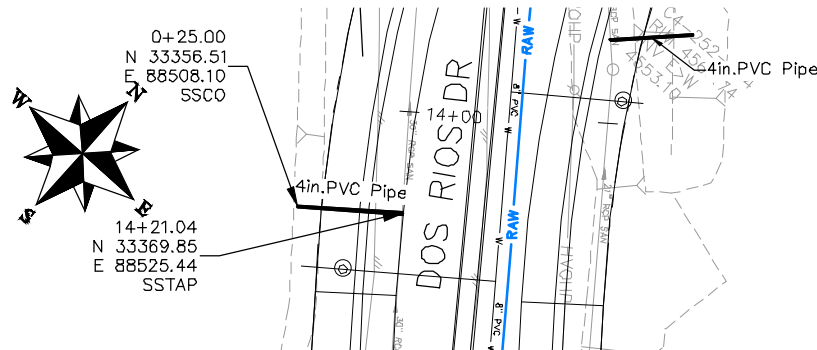
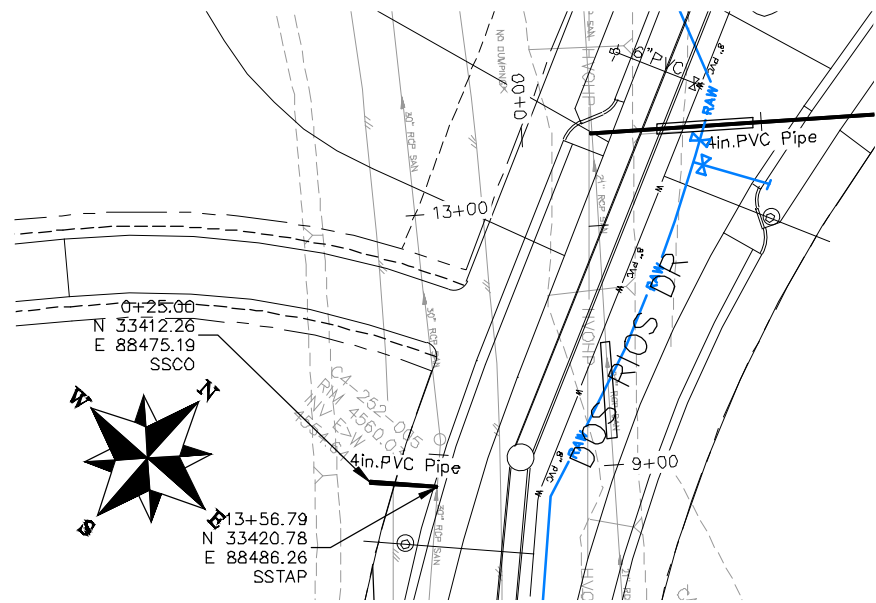


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ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SSB  
June 18, 2020**

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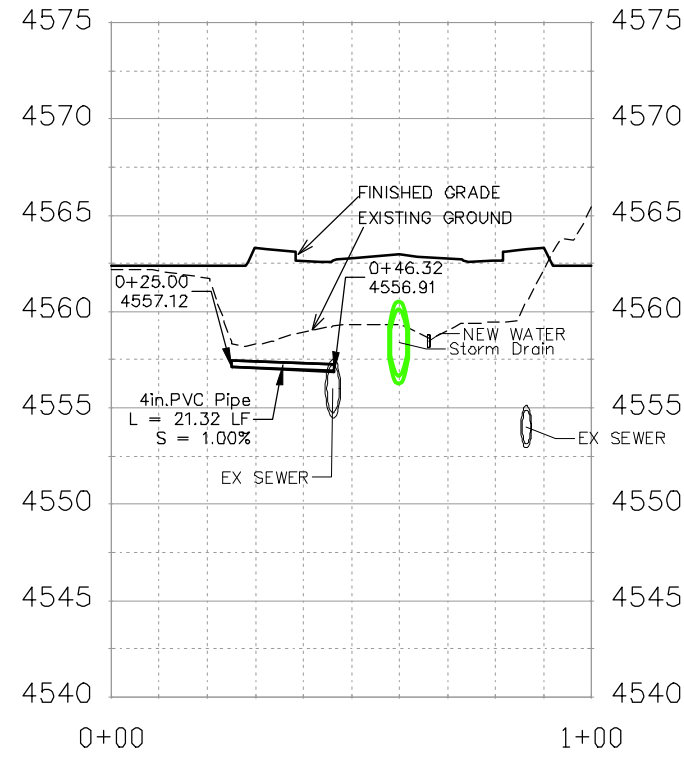
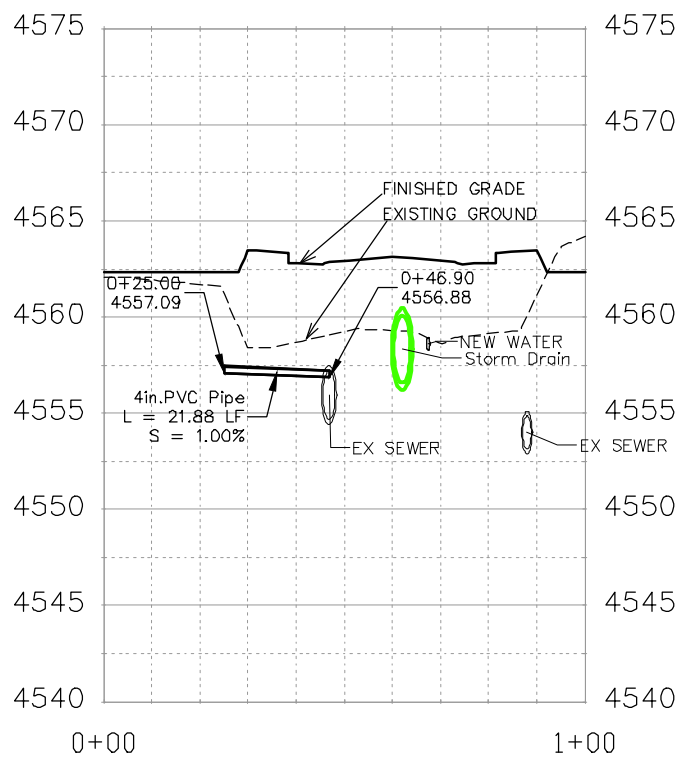
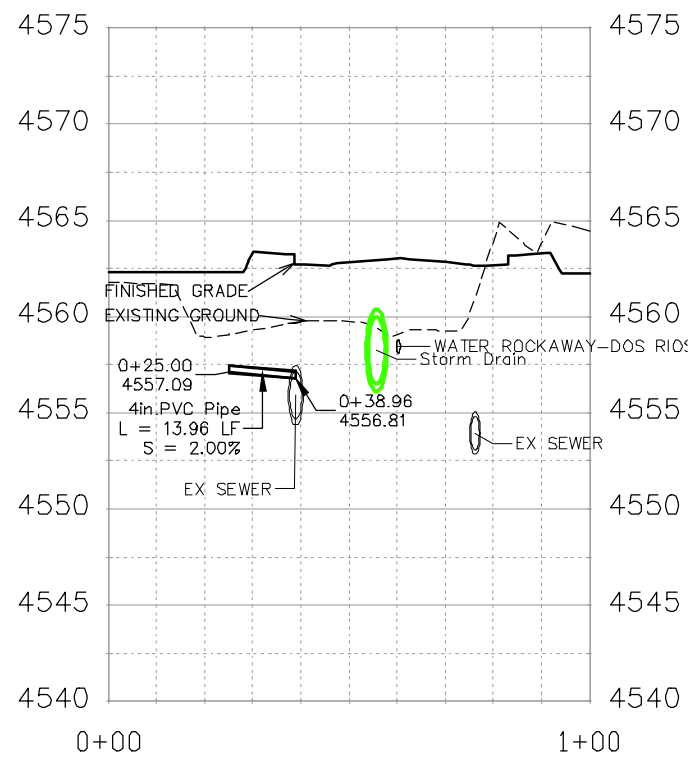
**NOTES:**

ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

SEWER TAPS (SSTAP) TO EXISTING MAINS SHALL BE ACCOMPLISHED USING TAPPING SADDLES OR ENGINEER APPROVED EQUAL. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.

ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).

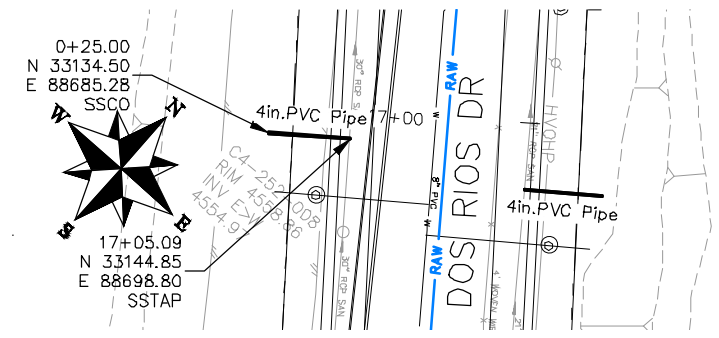
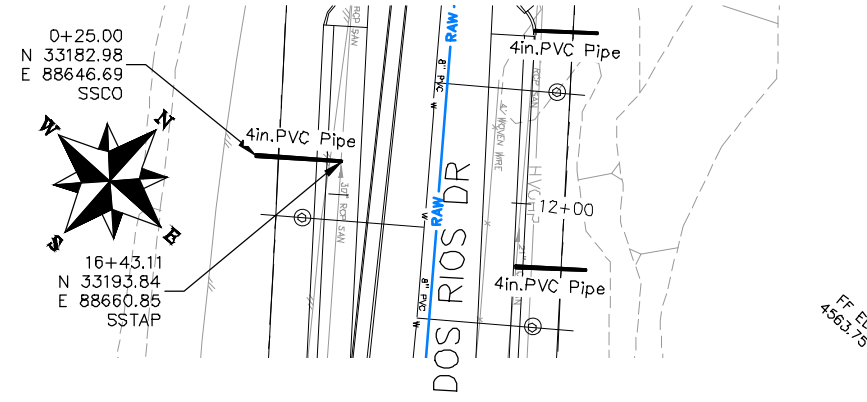
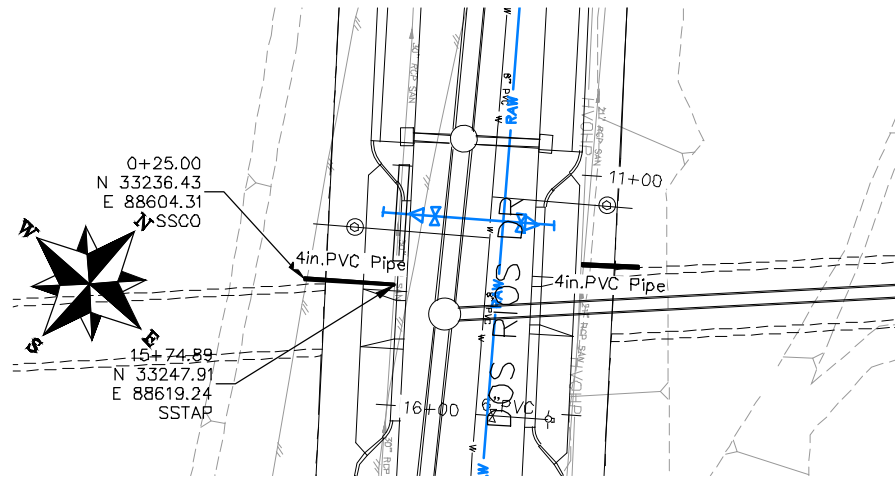


REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	2019	SCALES:
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△			BH	2019		0 2.5 VERTICAL 10
△			TGP	2019		



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS9  
June 18, 2020**



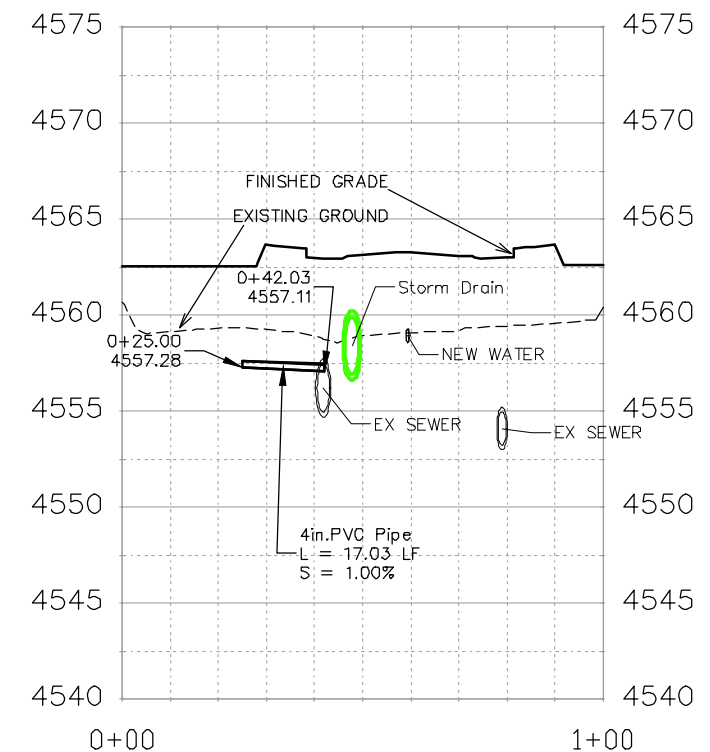
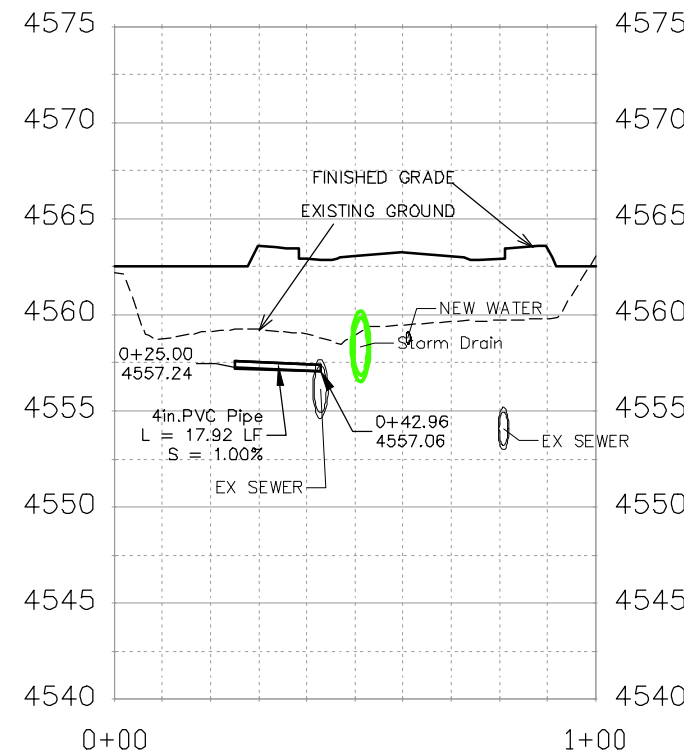
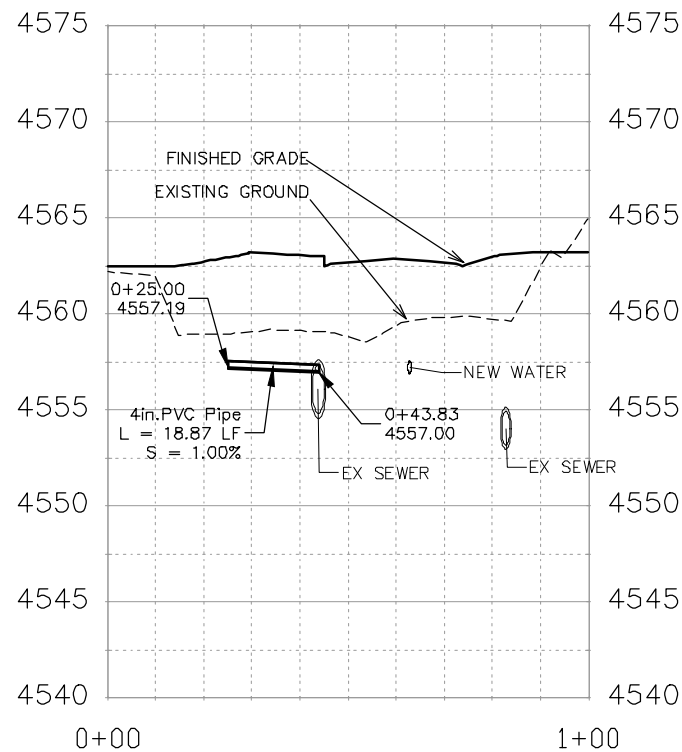
NOTES:

ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

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ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).



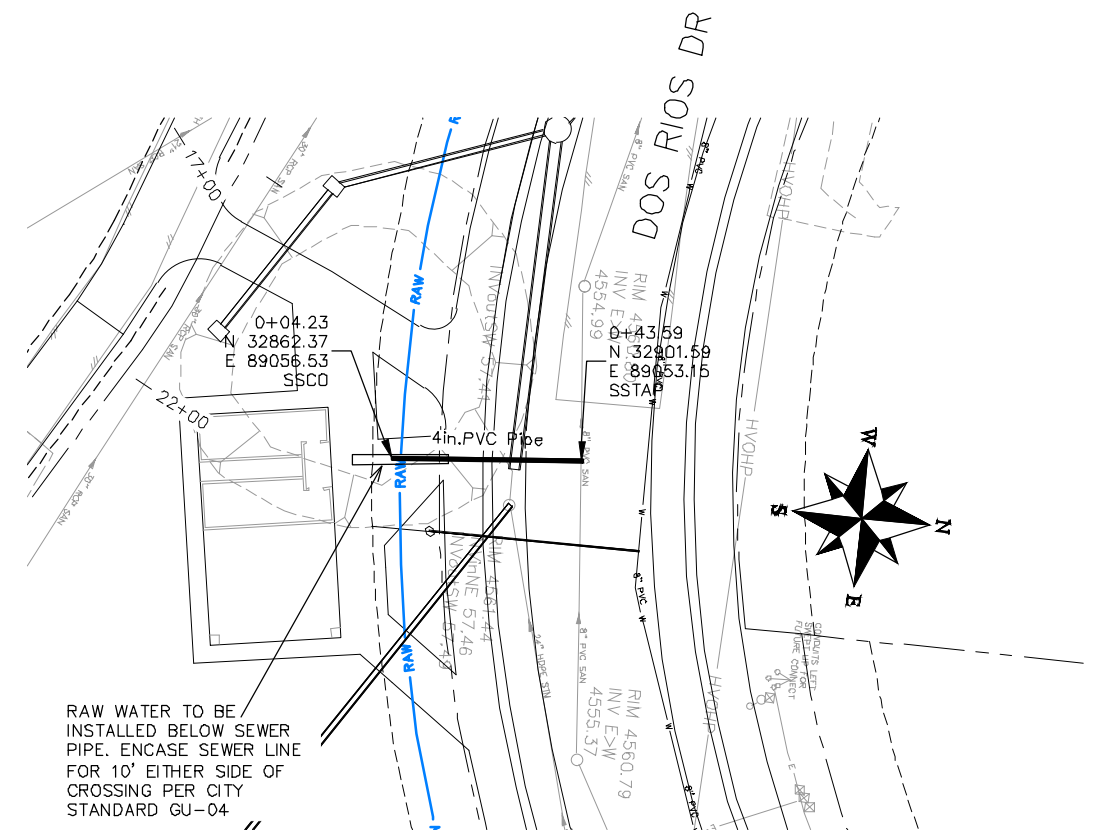
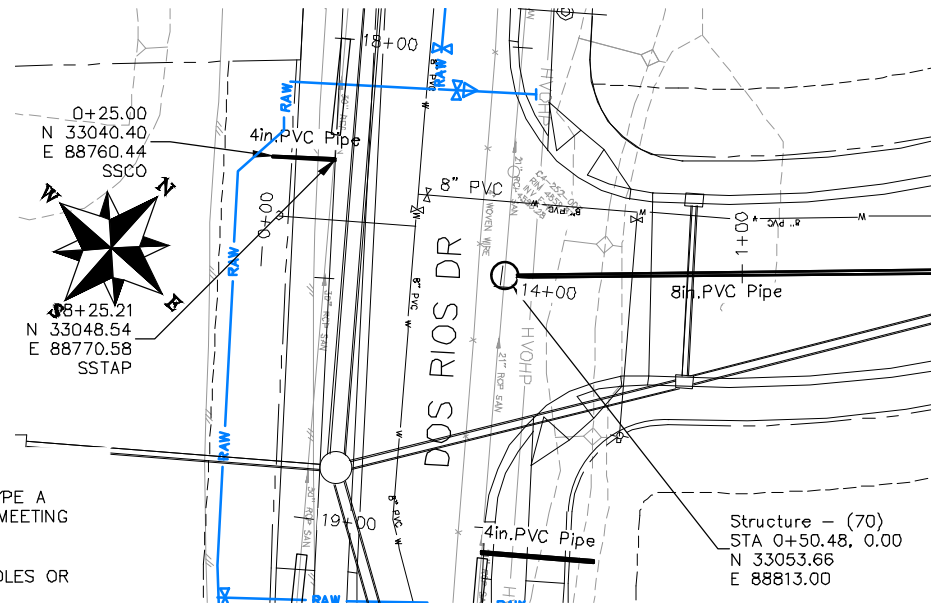
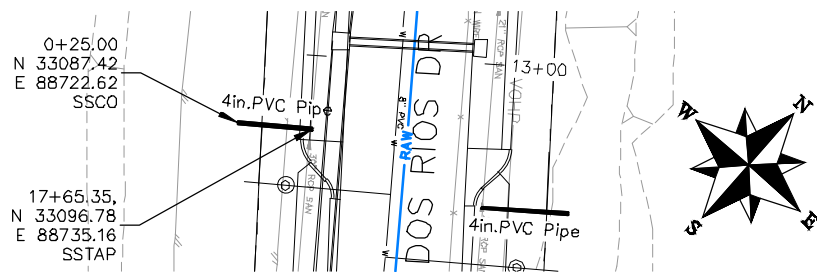
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REVISION			JCS	2019	0 10 20 40 HORIZONTAL
REVISION			BH	2019	0 2.5 5 10 VERTICAL
REVISION			TGP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS10  
June 18, 2020

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**NOTES:**

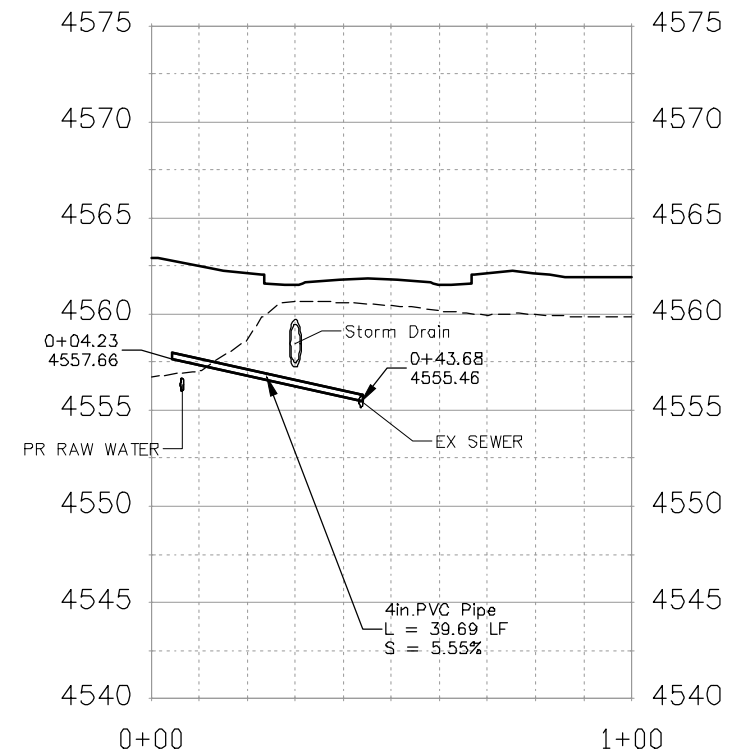
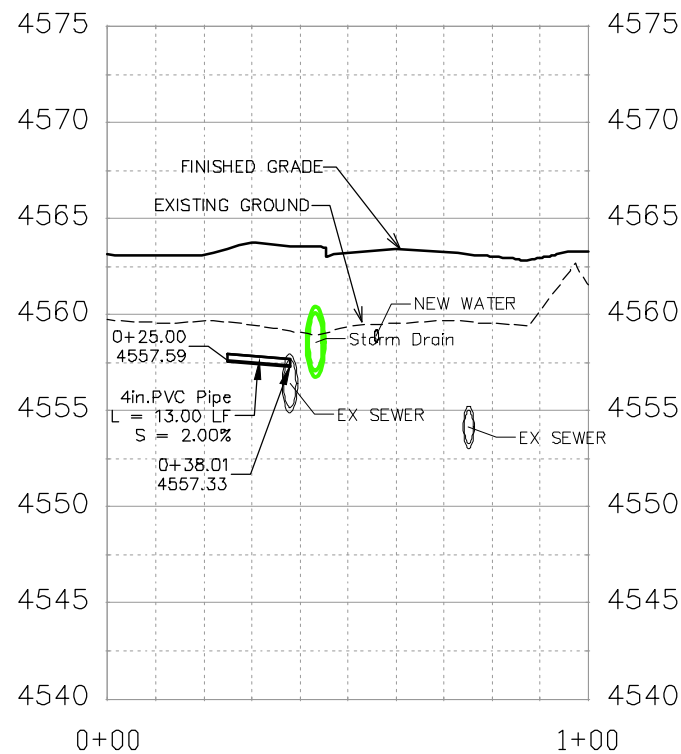
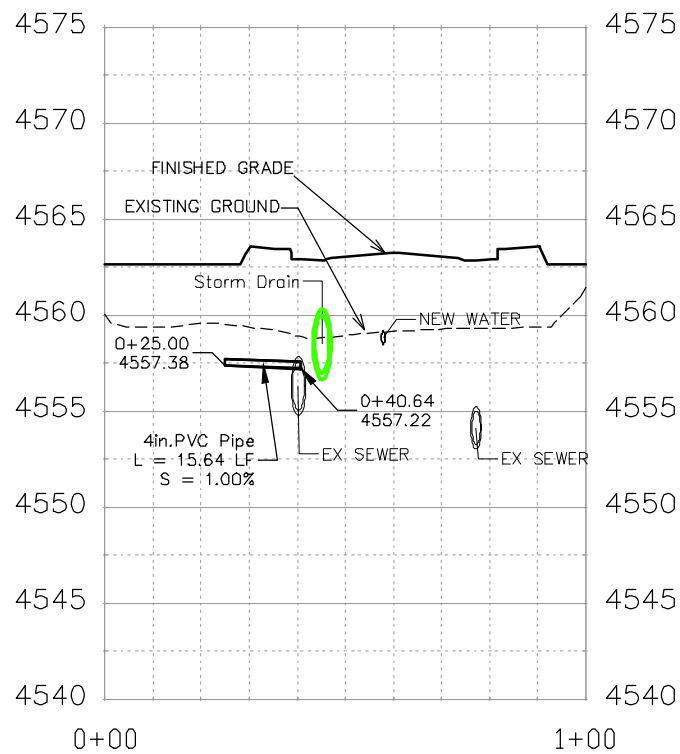
ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

SEWER TAPS (SSTAP) TO EXISTING MAINS SHALL BE ACCOMPLISHED USING TAPPING SADDLES OR ENGINEER APPROVED EQUAL. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.

ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).

RAW WATER TO BE INSTALLED BELOW SEWER PIPE. ENCASE SEWER LINE FOR 10' EITHER SIDE OF CROSSING PER CITY STANDARD GU-04 //



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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△			JCS	2019
△			BH	2019
△			TGP	2019

SCALES:	
0	40
10	20
HORIZONTAL	
0	10
2.5	10
VERTICAL	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS11  
June 18, 2020**

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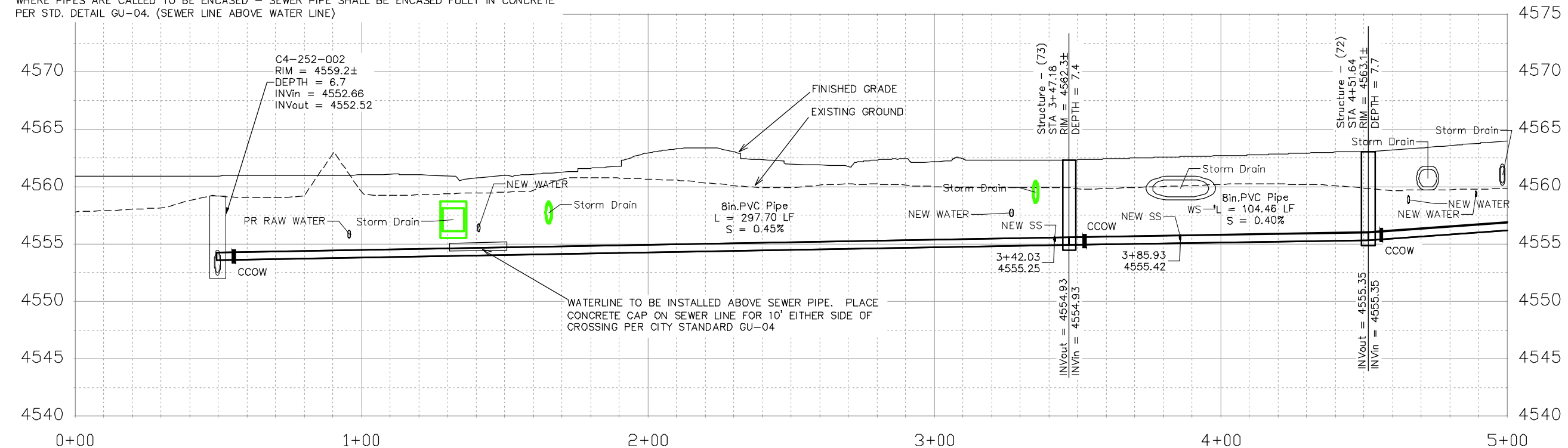
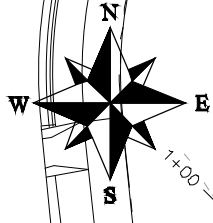
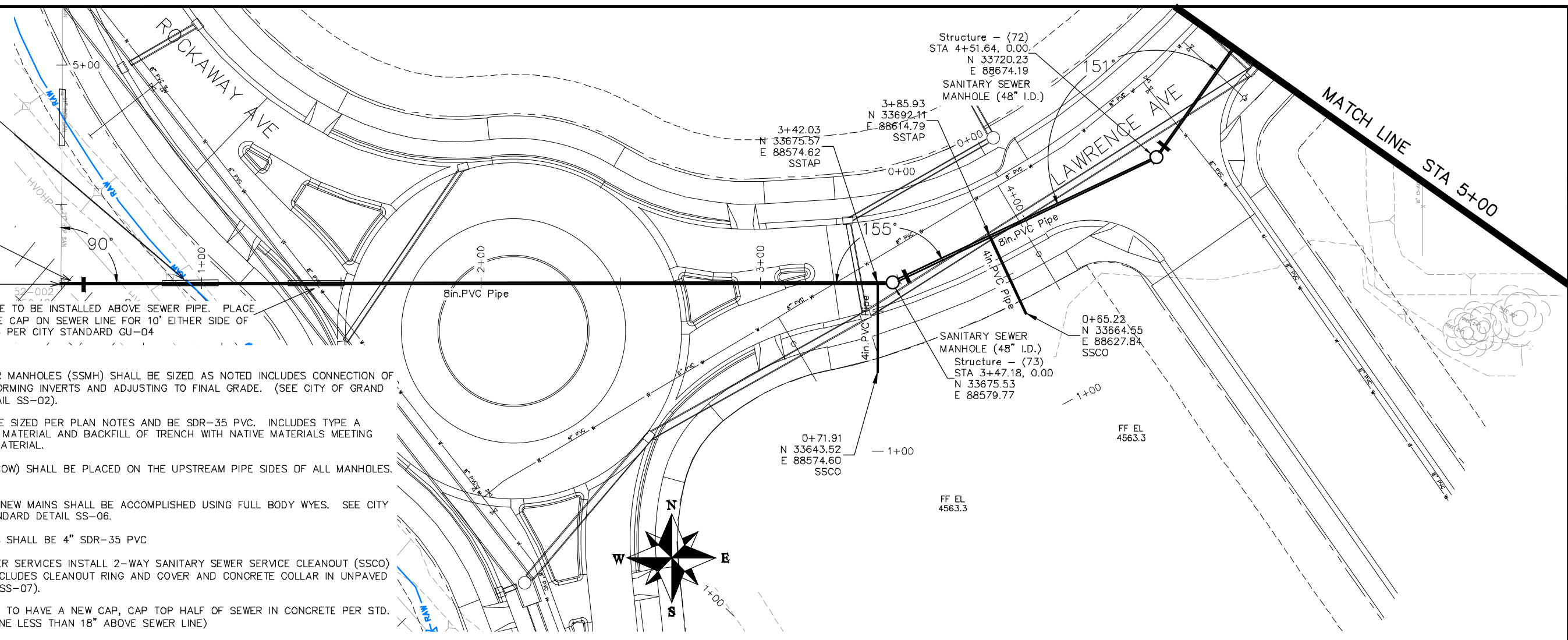
RAW WATER TO BE INSTALLED ABOVE SEWER PIPE. PLACE CONCRETE CAP ON SEWER LINE FOR 10' EITHER SIDE OF CROSSING PER CITY STANDARD GU-04

CONNECT TO EXISTING MANHOLE (8" PIPE). (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-08).

ADJUST MH TO FINISHED GRADE

WATERLINE TO BE INSTALLED ABOVE SEWER PIPE. PLACE CONCRETE CAP ON SEWER LINE FOR 10' EITHER SIDE OF CROSSING PER CITY STANDARD GU-04

- NOTES:
- ALL NEW SANITARY SEWER MANHOLES (SSMH) SHALL BE SIZED AS NOTED INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
  - ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - CLAY CUT OFF WALLS (CCOW) SHALL BE PLACED ON THE UPSTREAM PIPE SIDES OF ALL MANHOLES. (NO SEPARATE PAY)
  - SEWER TAPS (SSTAP) TO NEW MAINS SHALL BE ACCOMPLISHED USING FULL BODY WYES. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.
  - ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC
  - AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
  - WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
  - WHERE PIPES ARE CALLED TO BE ENCASED - SEWER PIPE SHALL BE ENCASED FULLY IN CONCRETE PER STD. DETAIL GU-04. (SEWER LINE ABOVE WATER LINE)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			TGP	2019

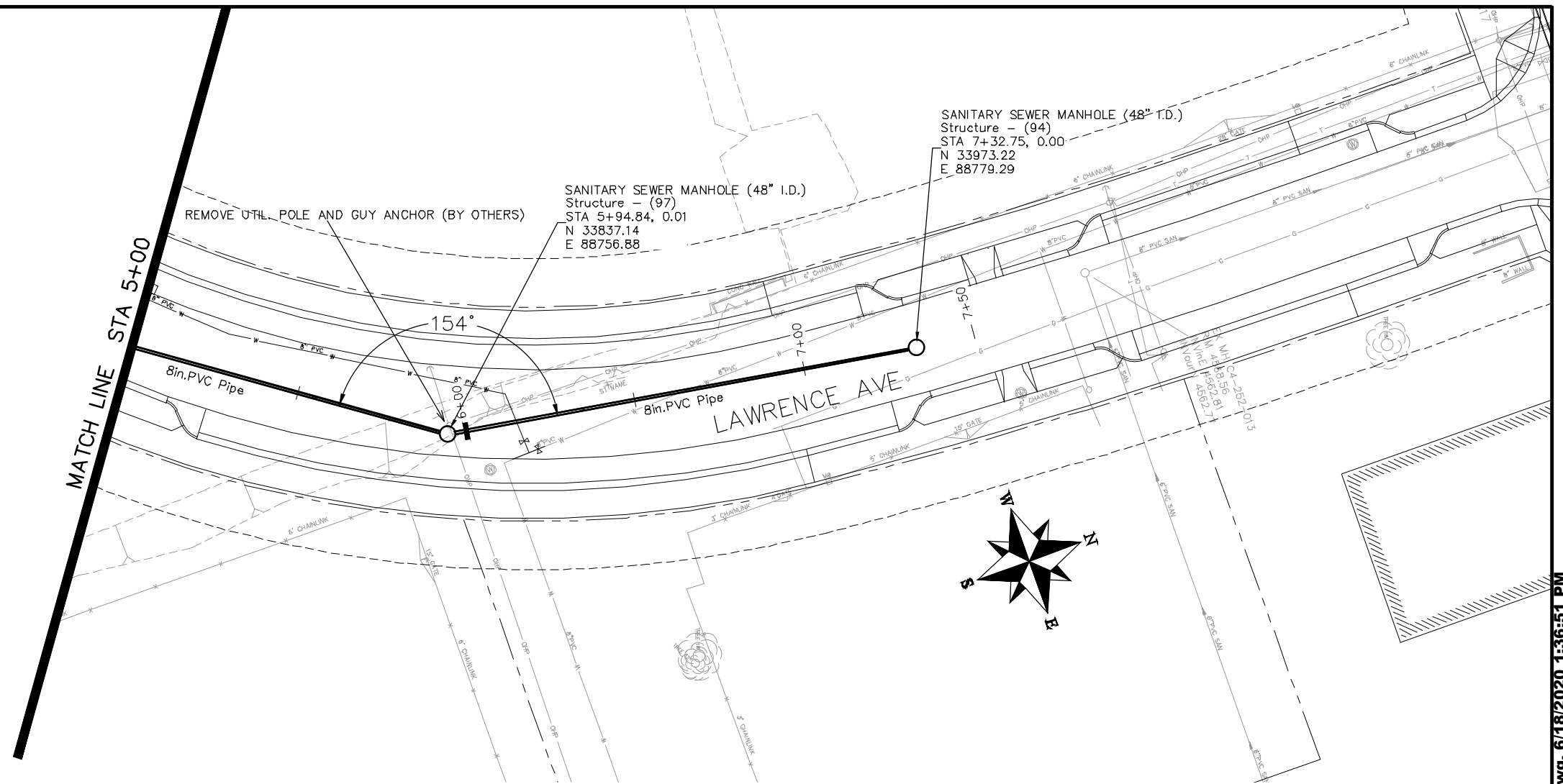
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PLAN & PROFILE
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0 2.5 10 VERTICAL



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS13  
June 18, 2020**

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NOTES:

ALL NEW SANITARY SEWER MANHOLES (SSMH) SHALL BE SIZED AS NOTED INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).

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CLAY CUT OFF WALLS (CCOW) SHALL BE PLACED ON THE UPSTREAM PIPE SIDES OF ALL MANHOLES. (NO SEPARATE PAY)

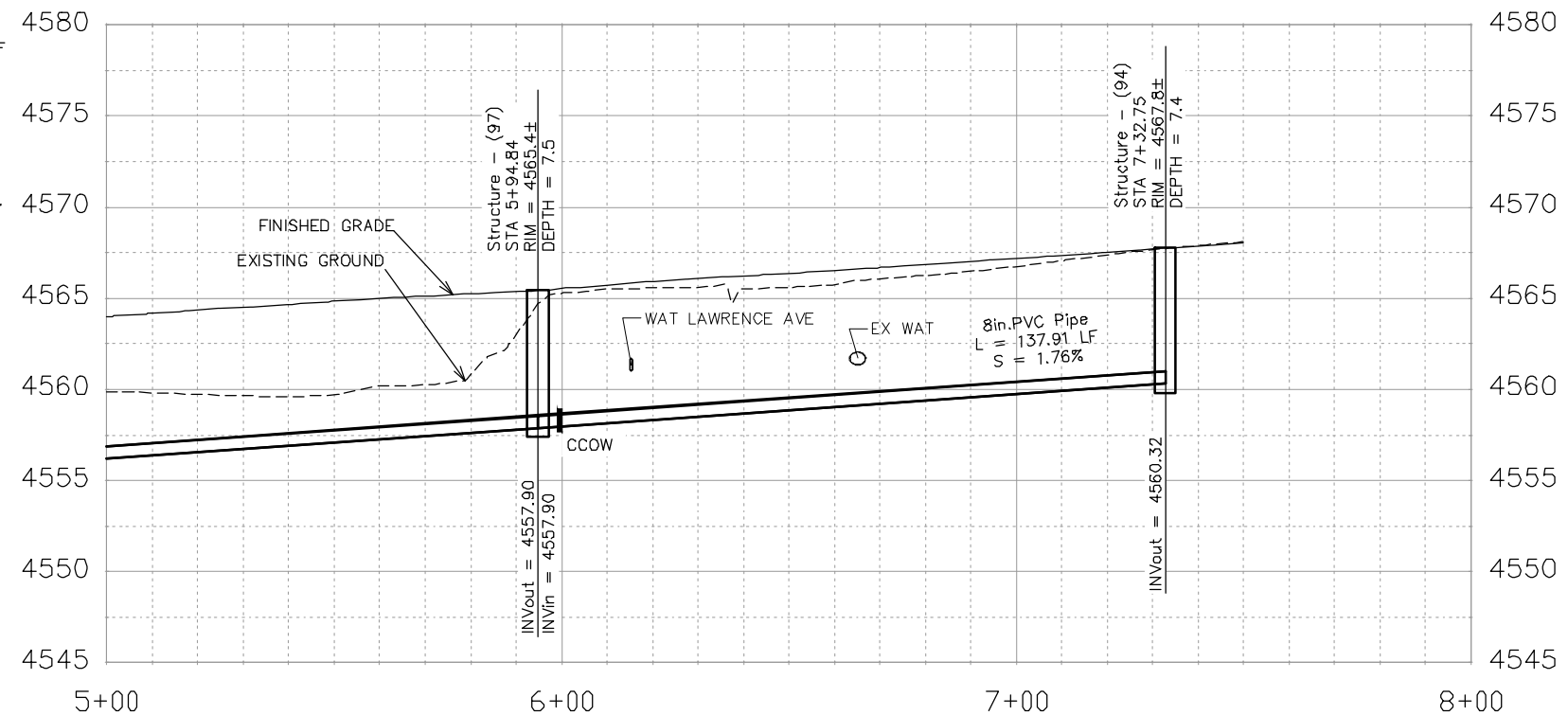
SEWER TAPS (SSTAP) TO NEW MAINS SHALL BE ACCOMPLISHED USING FULL BODY WYES. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.

ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

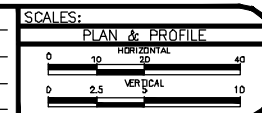
AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).

WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)

WHERE PIPES ARE CALLED TO BE ENCASED - SEWER PIPE SHALL BE ENCASED FULLY IN CONCRETE PER STD. DETAIL GU-04. (SEWER LINE ABOVE WATER LINE)



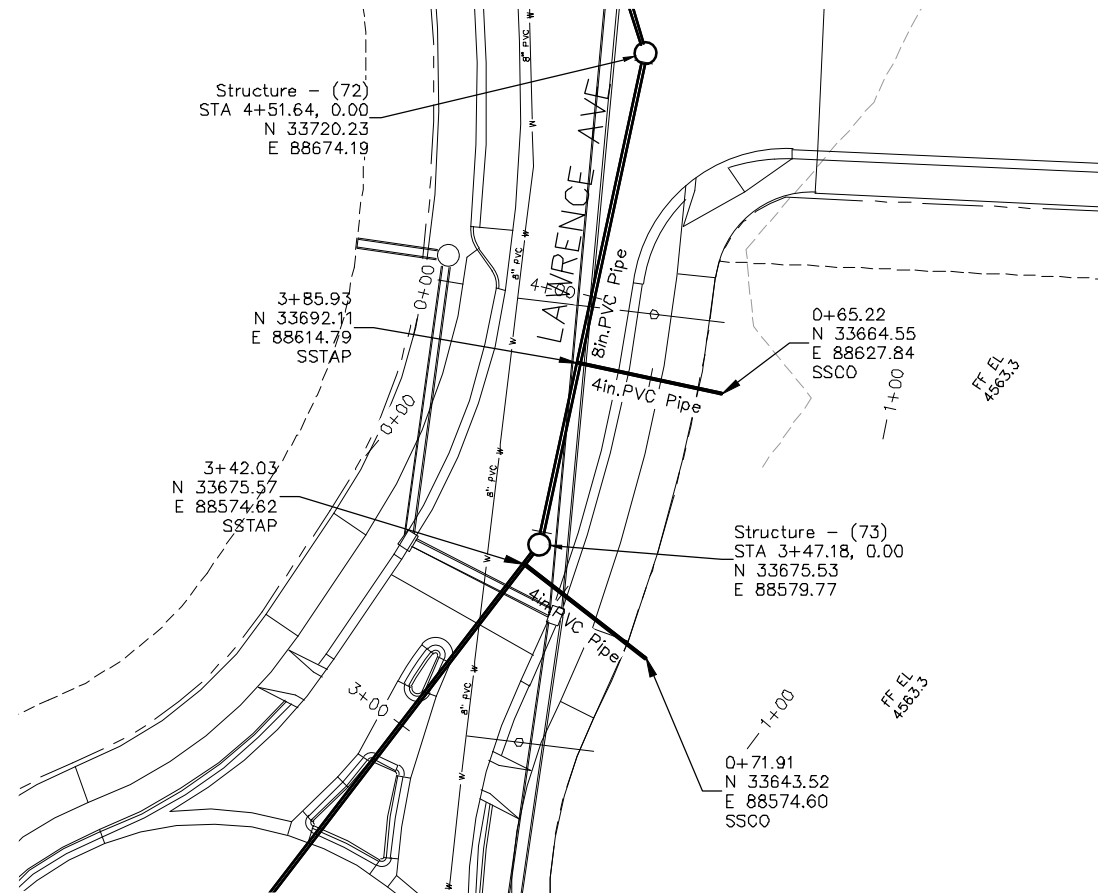
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△			BH	2019
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PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS14  
June 18, 2020

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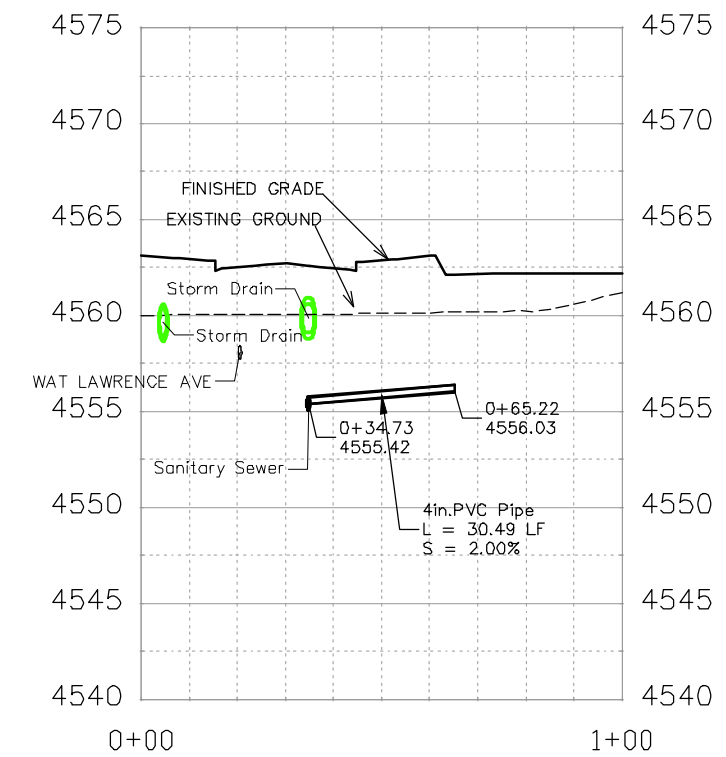
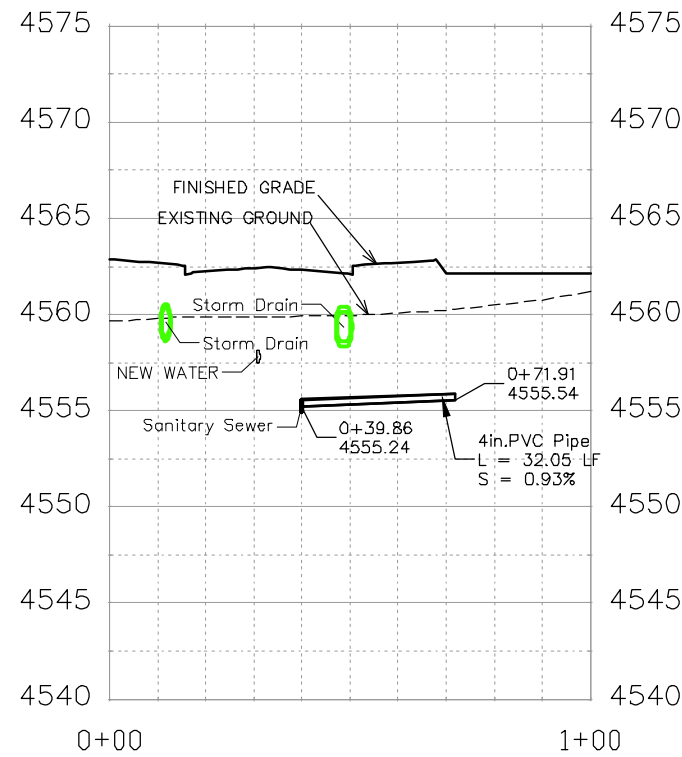
NOTES:

ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

SEWER TAPS (SSTAP) TO NEW MAINS SHALL BE ACCOMPLISHED USING FULL BODY WYES. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.

ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).



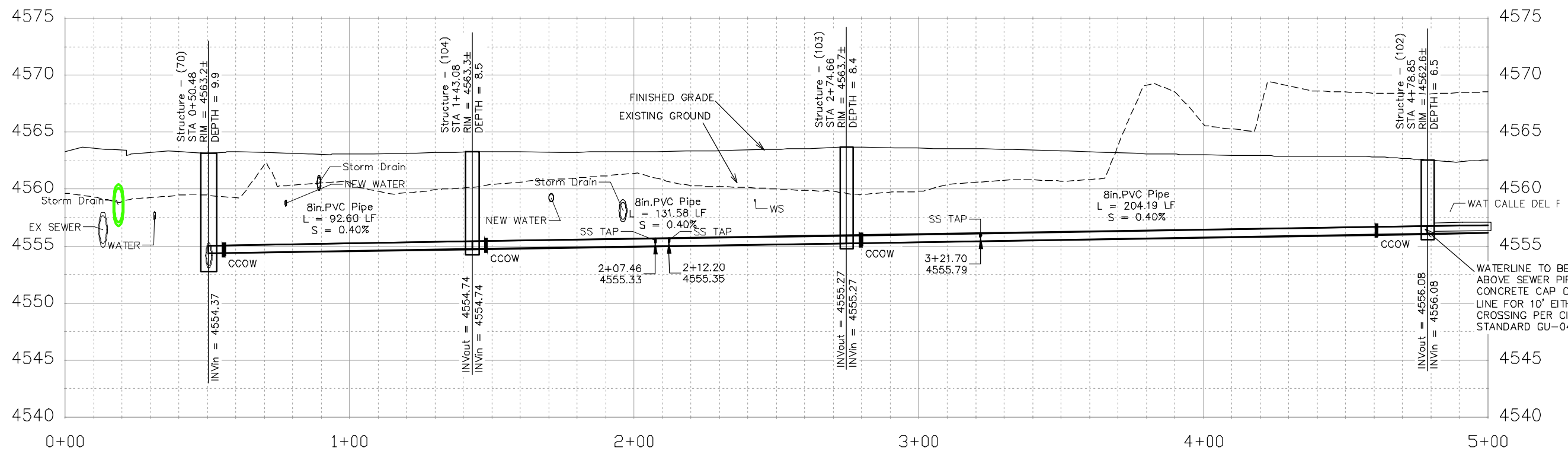
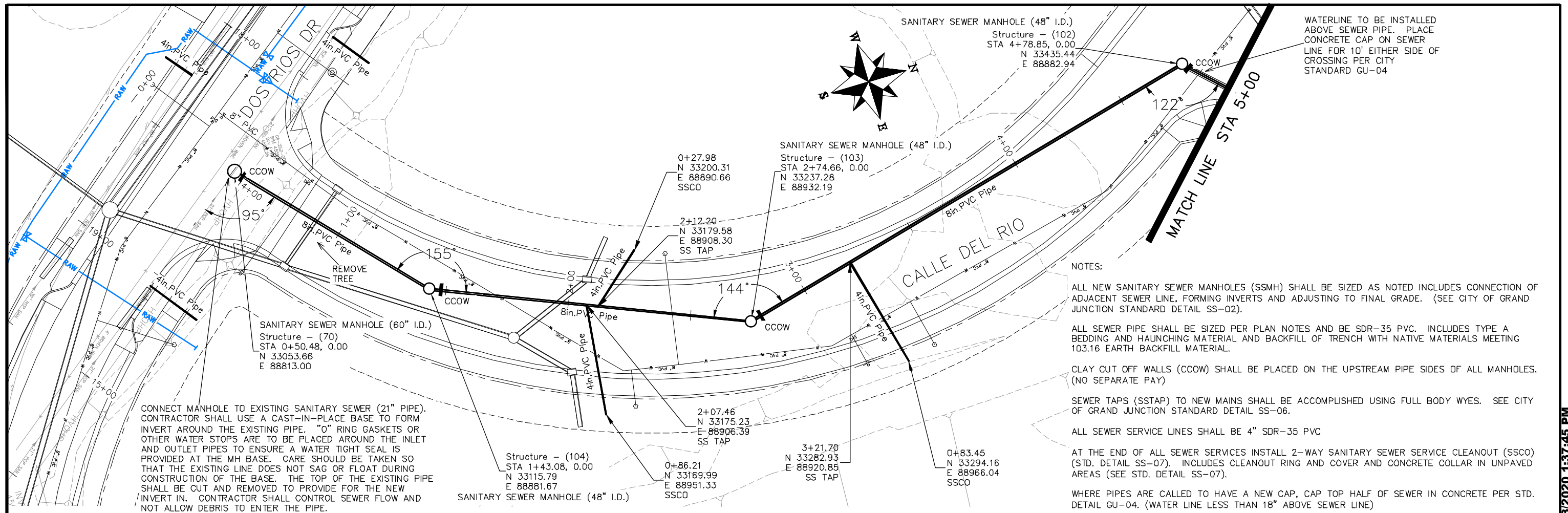
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△			JCS	2019
△			BH	2019
△			TGP	2019

SCALES:	
0	40
10	20
HORIZONTAL	
0	10
2.5	10
VERTICAL	



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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS15  
June 18, 2020



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
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SCALES:
PLAN & PROFILE
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0 2.5 10 VERTICAL

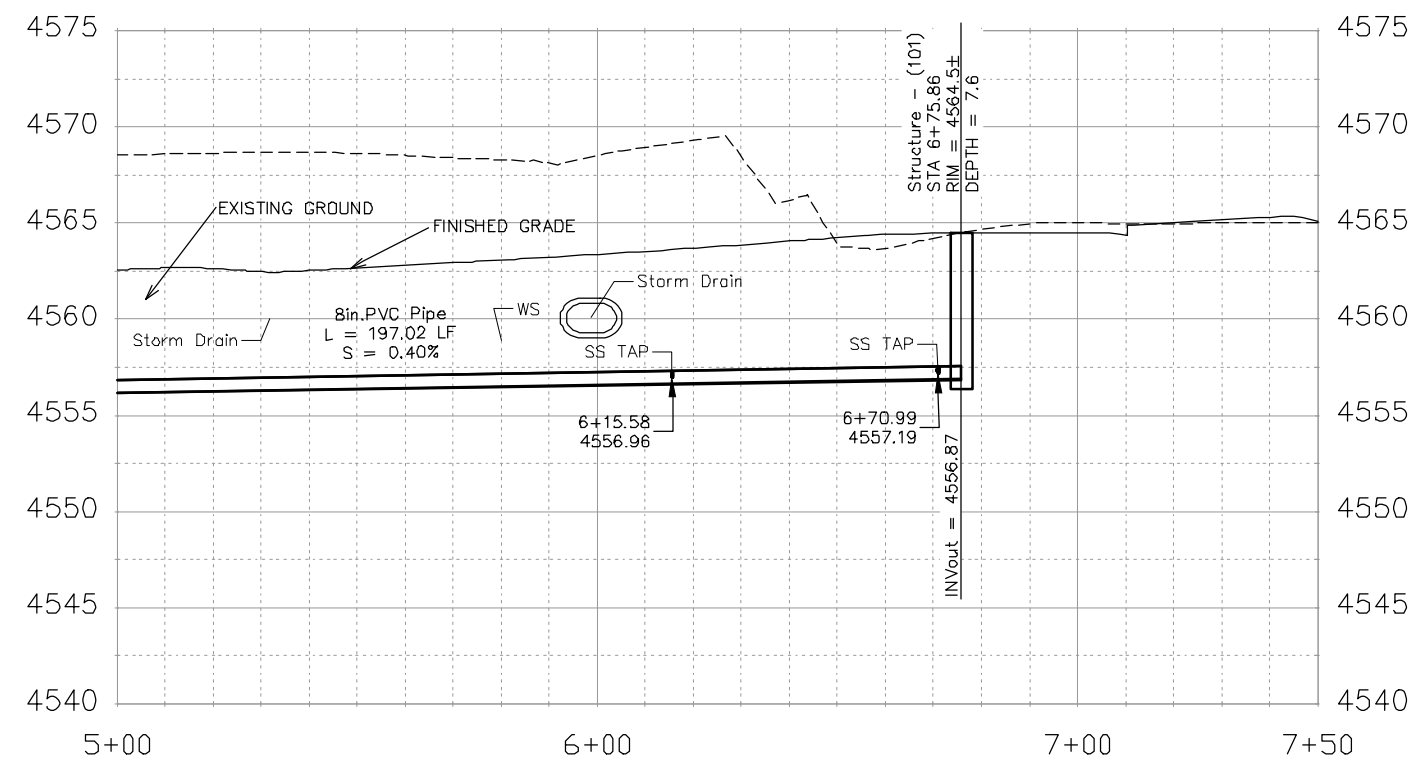
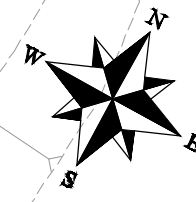
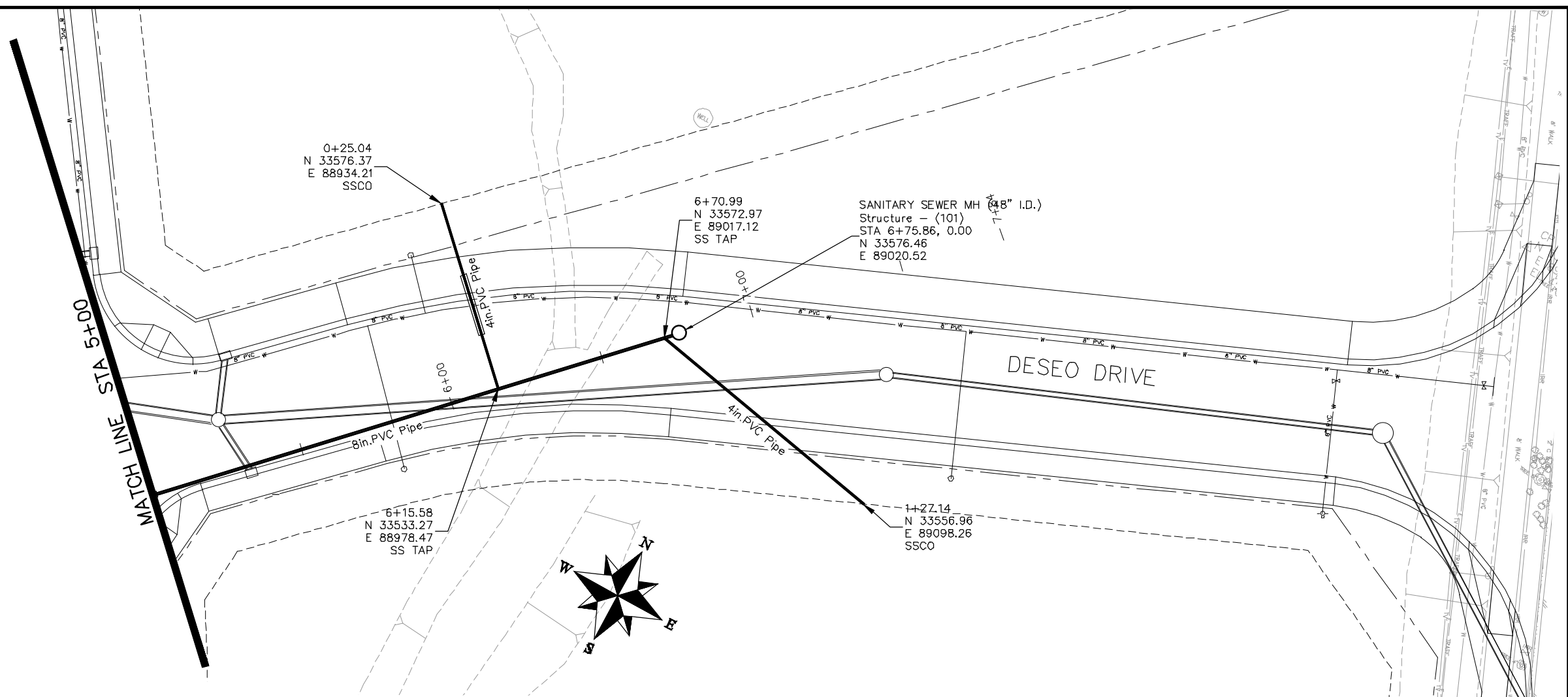


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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS16  
June 18, 2020

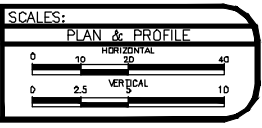
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- NOTES:
- ALL NEW SANITARY SEWER MANHOLES (SSMH) SHALL BE SIZED AS NOTED INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
  - ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - CLAY CUT OFF WALLS (CCOW) SHALL BE PLACED ON THE UPSTREAM PIPE SIDES OF ALL MANHOLES. (NO SEPARATE PAY)
  - SEWER TAPS (SSTAP) TO NEW MAINS SHALL BE ACCOMPLISHED USING FULL BODY WYES. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.
  - ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC
  - AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
  - WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
  - WHERE PIPES ARE CALLED TO BE ENCASED - SEWER PIPE SHALL BE ENCASED FULLY IN CONCRETE PER STD. DETAIL GU-04. (SEWER LINE ABOVE WATER LINE)

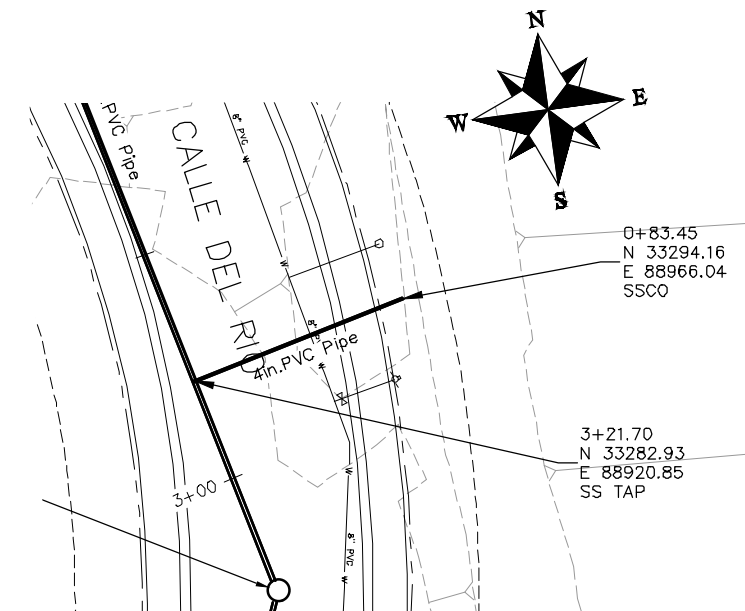
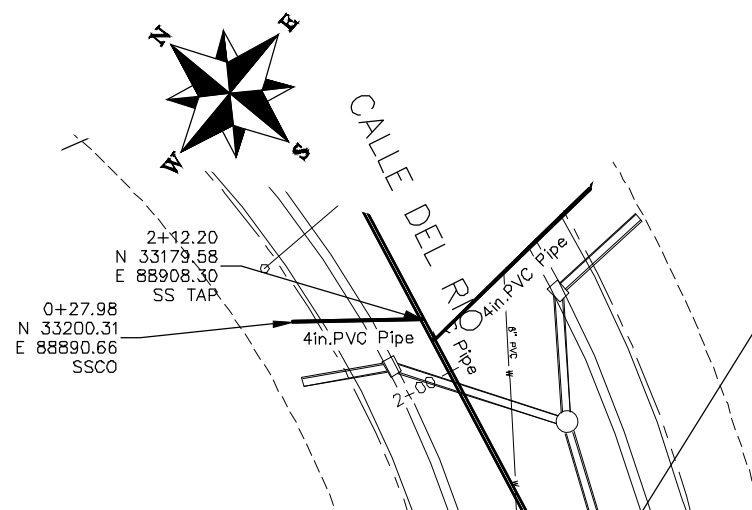
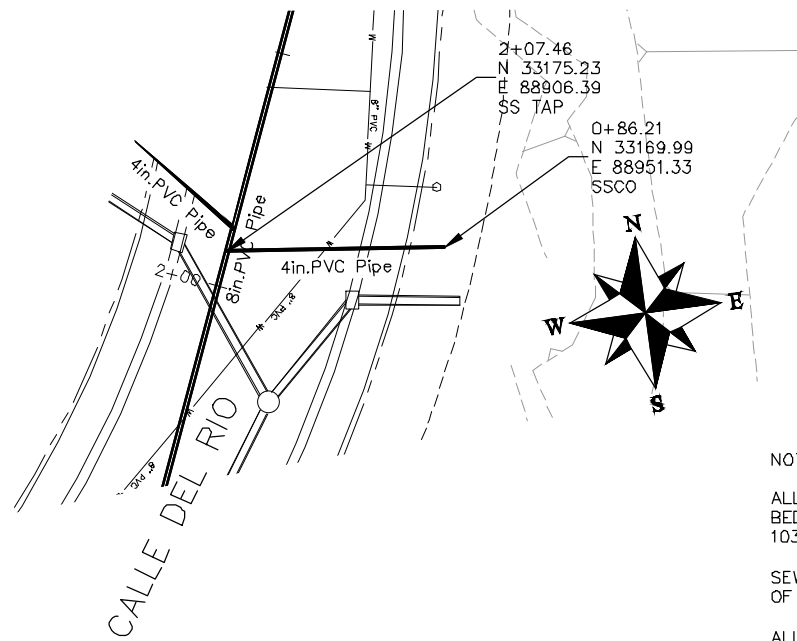
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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△			BH	2019
△			TGP	2019



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THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS17  
June 18, 2020

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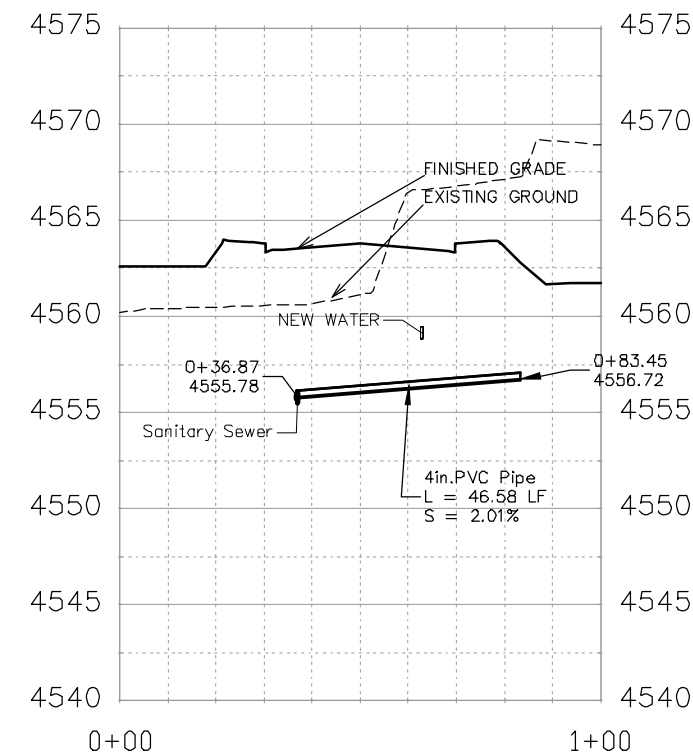
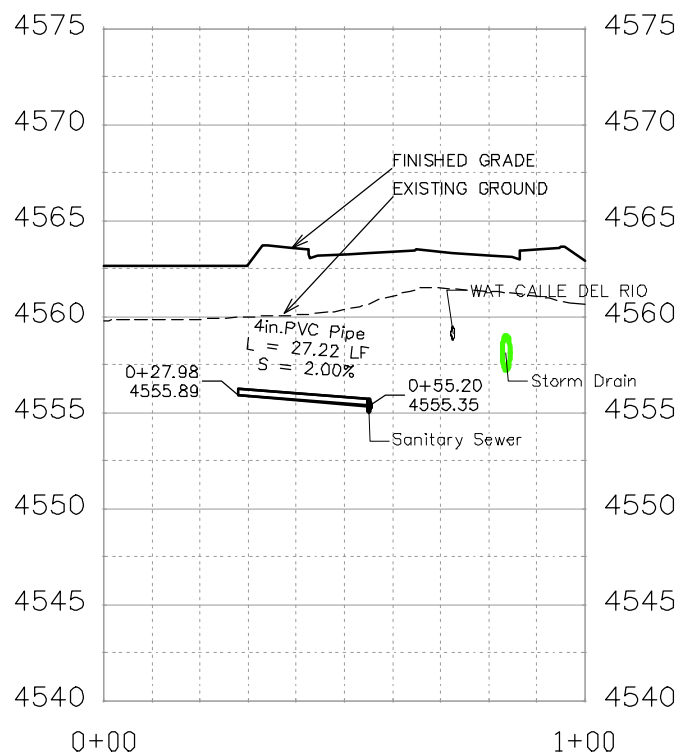
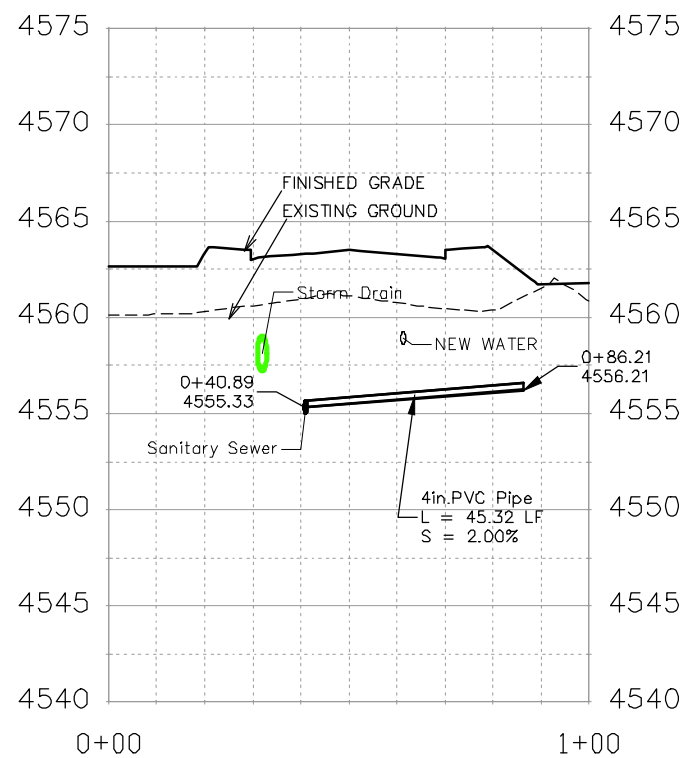
**NOTES:**

ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

SEWER TAPS (SSTAP) TO NEW MAINS SHALL BE ACCOMPLISHED USING FULL BODY WYES. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.

ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).

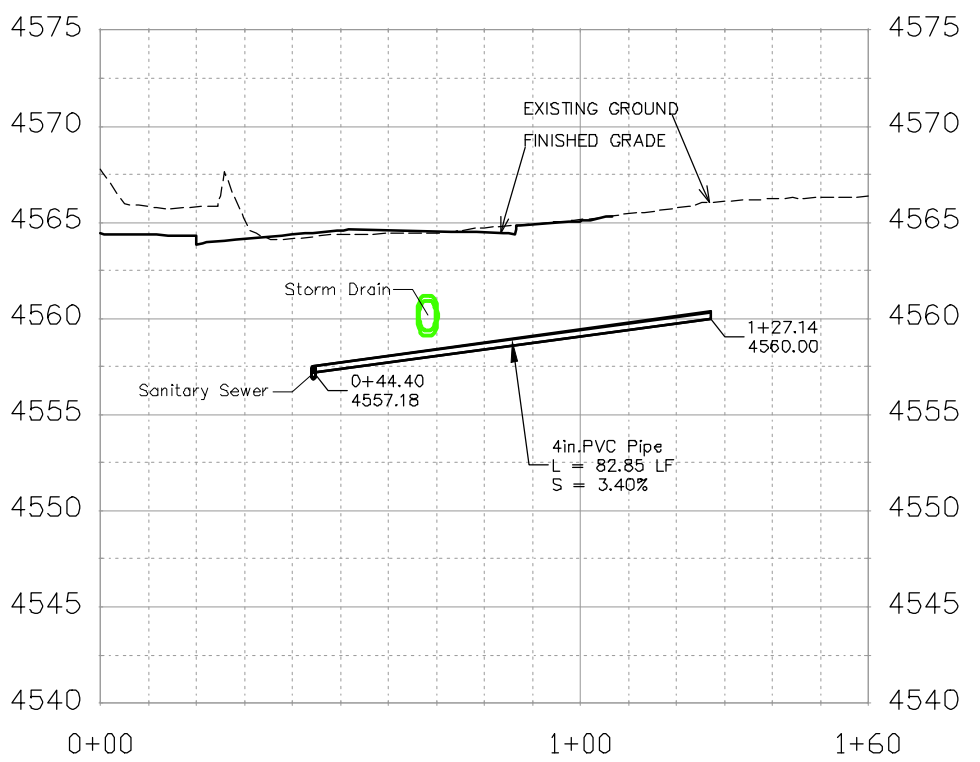
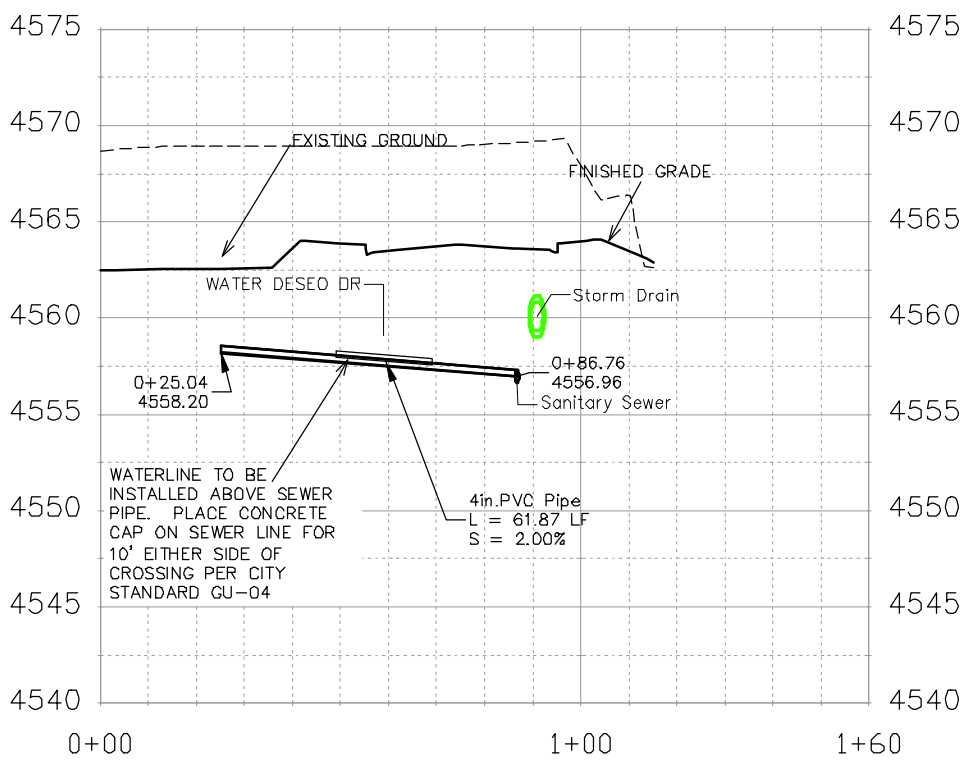
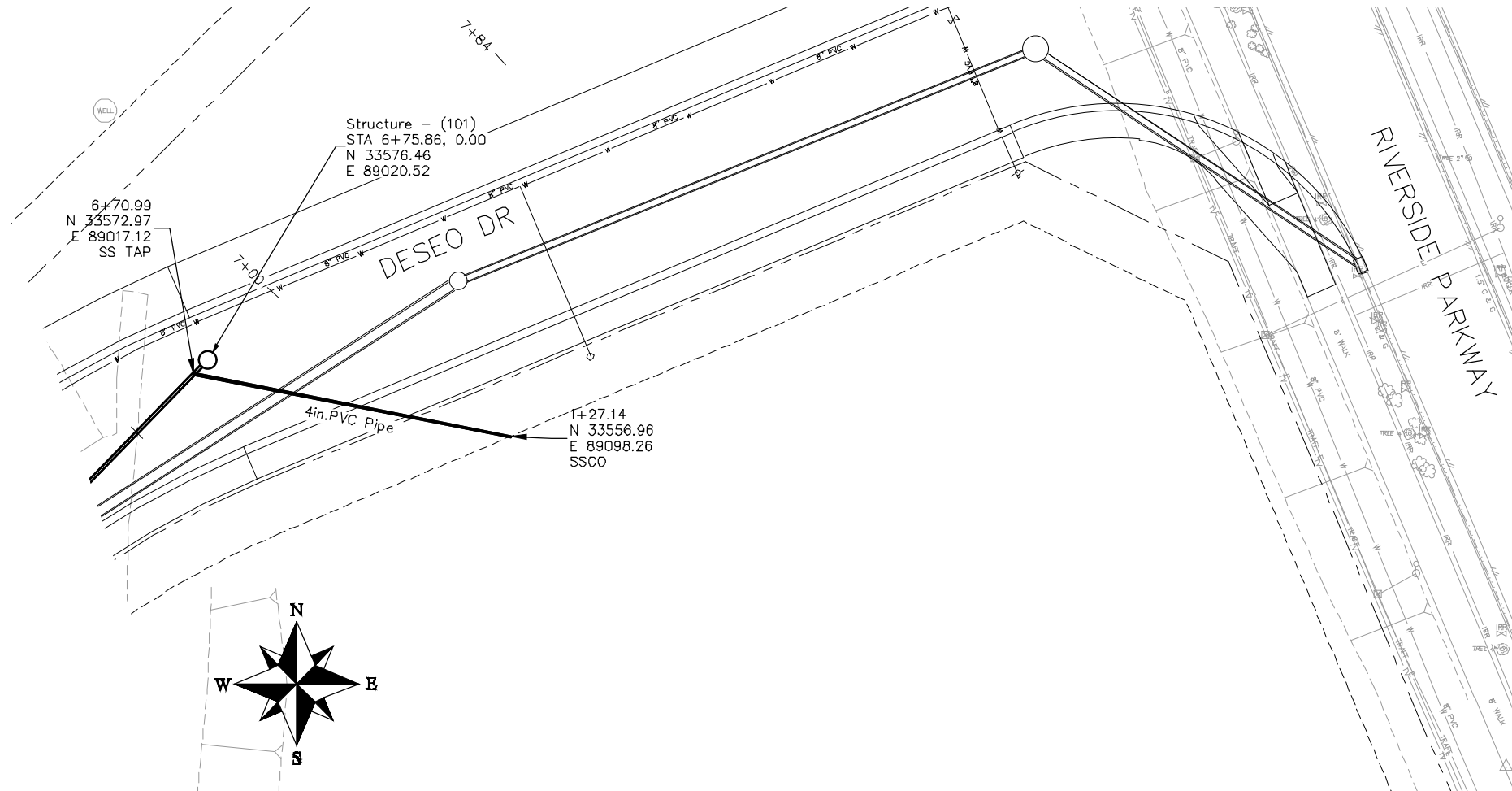
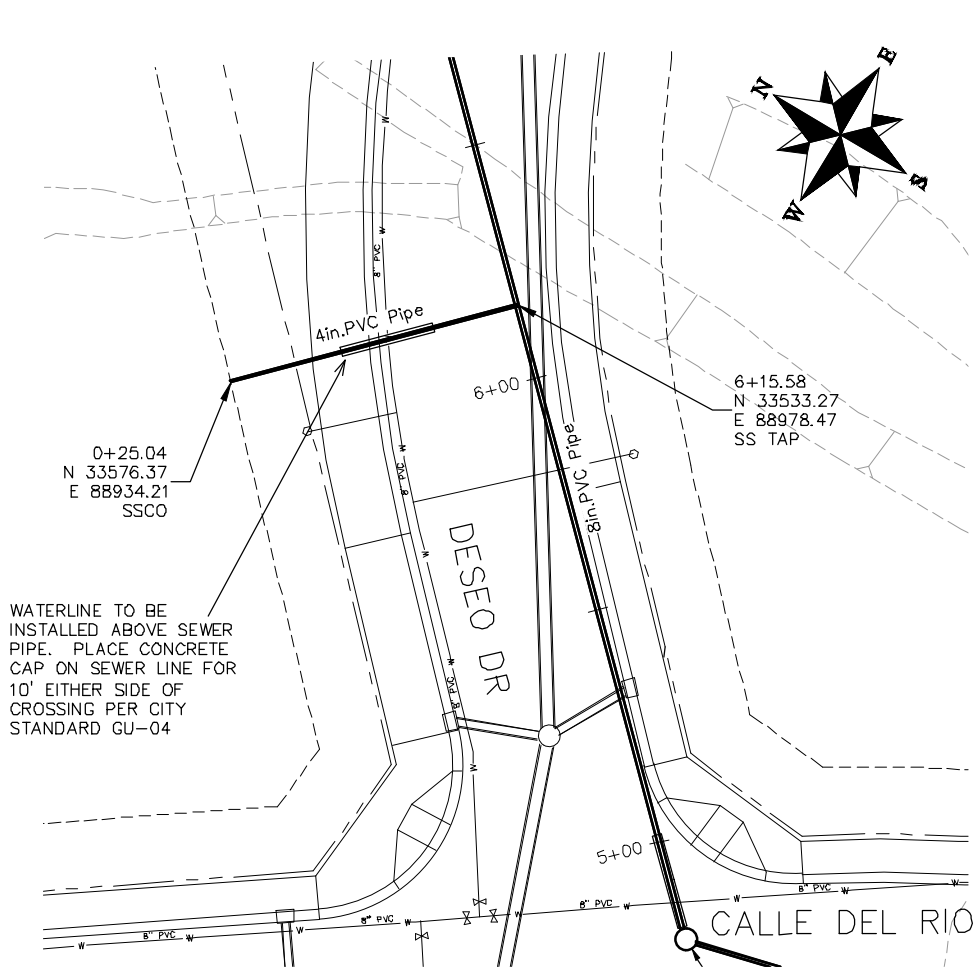


REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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△			JCS	2019	
△			BH	2019	
△			TGP	2019	



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ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS18  
June 18, 2020**



NOTES:

ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

SEWER TAPS (SSTAP) TO NEW MAINS SHALL BE ACCOMPLISHED USING FULL BODY WYES. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.

ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC

AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2019	PLAN & PROFILE
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REVISION			BH	2019	0 2.5 VERTICAL 10
REVISION			TGP	2019	

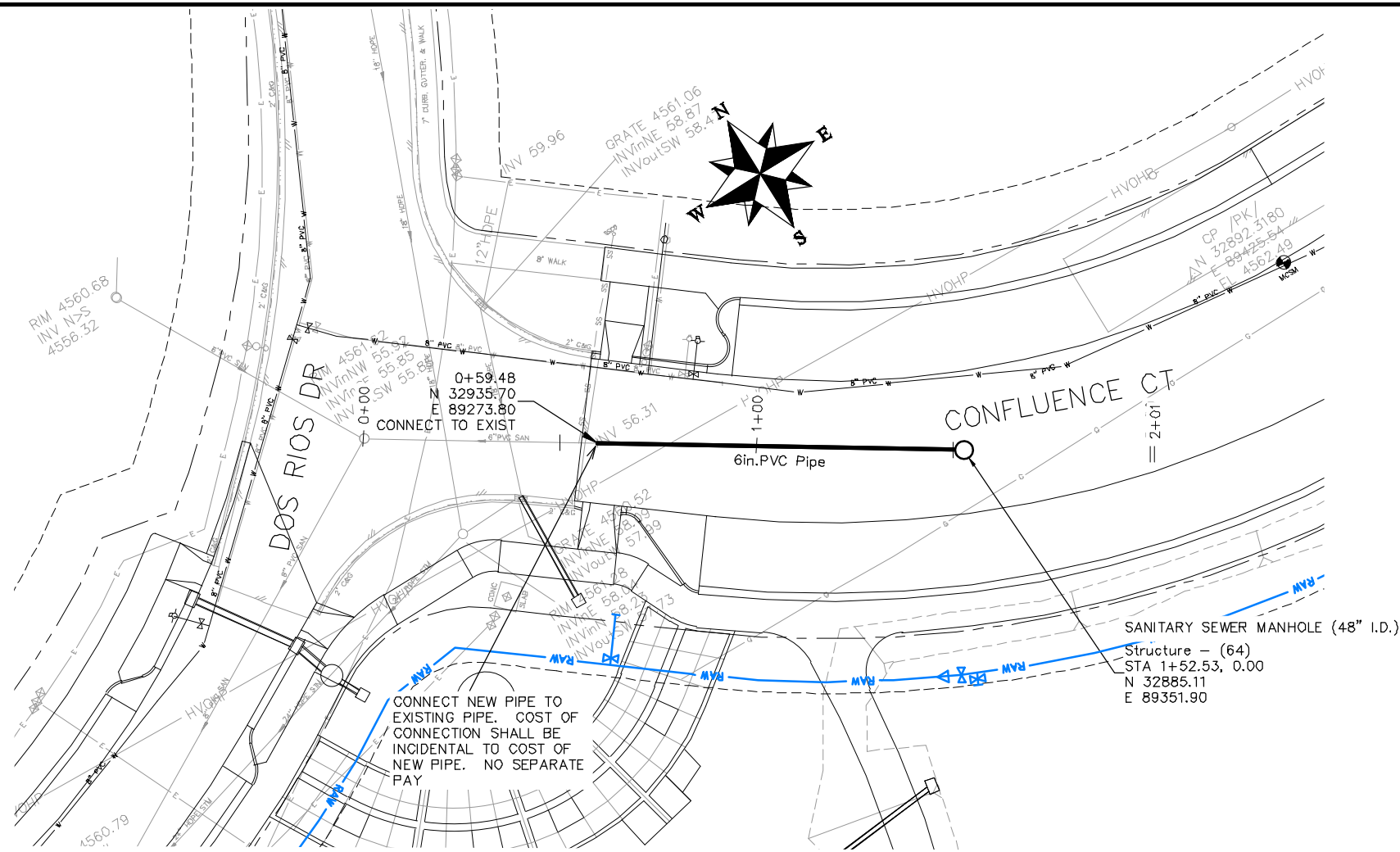


PUBLIC WORKS  
ENGINEERING DIVISION

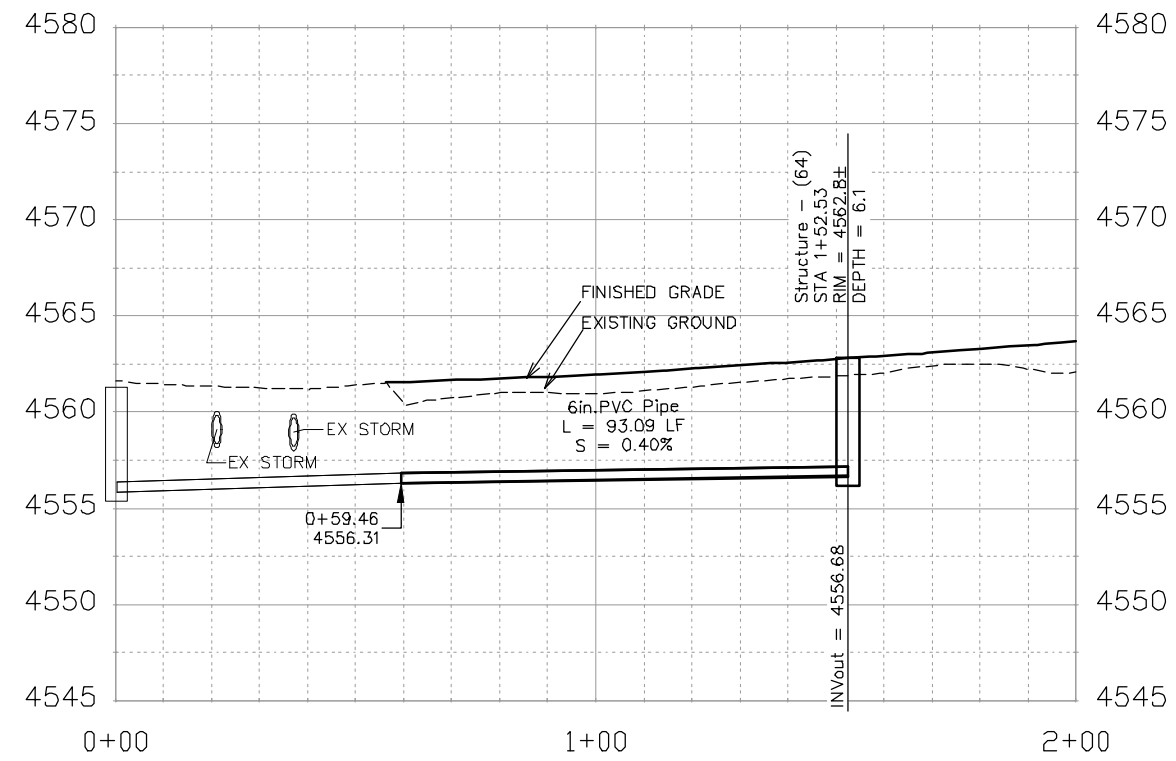
THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS19  
June 18, 2020

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- NOTES:
- ALL NEW SANITARY SEWER MANHOLES (SSMH) SHALL BE SIZED AS NOTED INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
  - ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - CLAY CUT OFF WALLS (CCOW) SHALL BE PLACED ON THE UPSTREAM PIPE SIDES OF ALL MANHOLES. (NO SEPARATE PAY)
  - SEWER TAPS (SSTAP) TO NEW MAINS SHALL BE ACCOMPLISHED USING FULL BODY WYES. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.
  - ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC
  - AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
  - WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
  - WHERE PIPES ARE CALLED TO BE ENCASED - SEWER PIPE SHALL BE ENCASED FULLY IN CONCRETE PER STD. DETAIL GU-04. (SEWER LINE ABOVE WATER LINE)



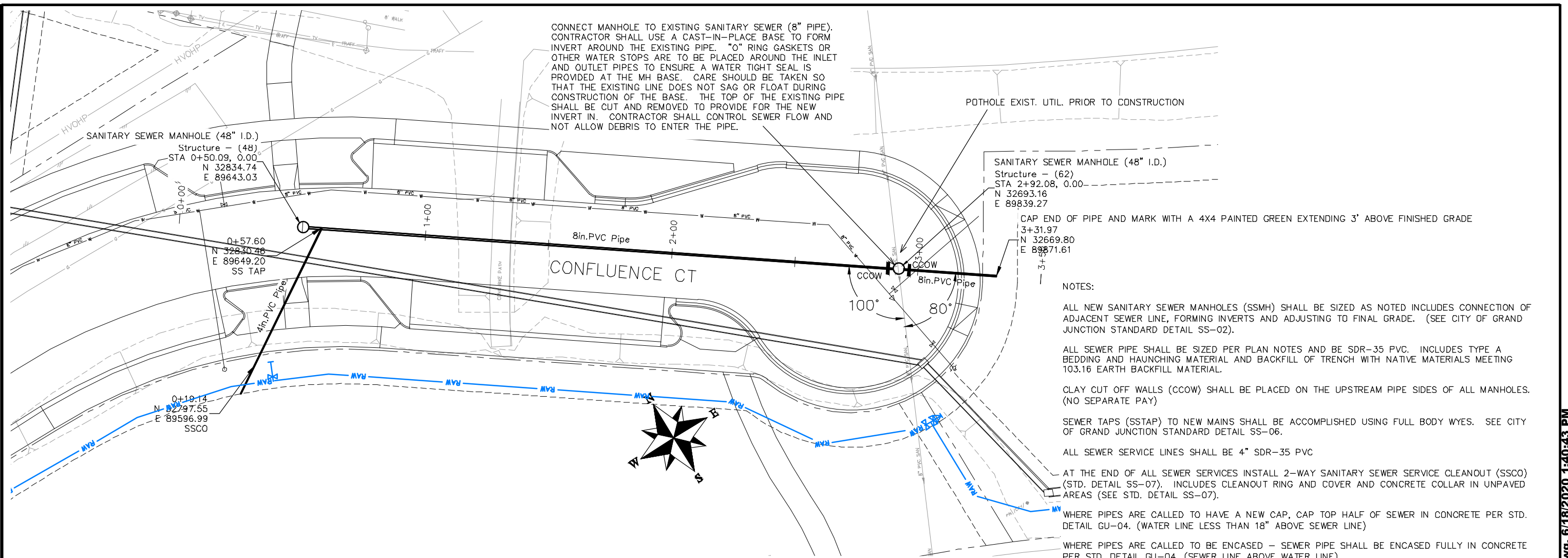
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REVISION			BH	DATE	2019	0 2.5 VERTICAL 10
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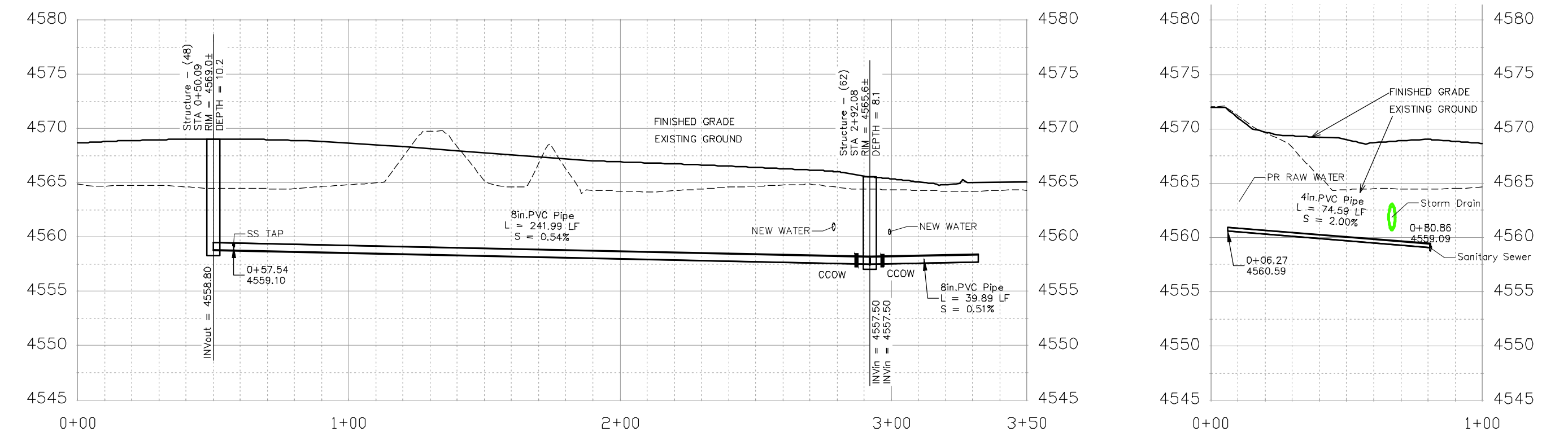
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ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS20  
June 18, 2020**

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- NOTES:
- ALL NEW SANITARY SEWER MANHOLES (SSMH) SHALL BE SIZED AS NOTED INCLUDES CONNECTION OF ADJACENT SEWER LINE, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-02).
  - ALL SEWER PIPE SHALL BE SIZED PER PLAN NOTES AND BE SDR-35 PVC. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
  - CLAY CUT OFF WALLS (CCOW) SHALL BE PLACED ON THE UPSTREAM PIPE SIDES OF ALL MANHOLES. (NO SEPARATE PAY)
  - SEWER TAPS (SS TAP) TO NEW MAINS SHALL BE ACCOMPLISHED USING FULL BODY WYES. SEE CITY OF GRAND JUNCTION STANDARD DETAIL SS-06.
  - ALL SEWER SERVICE LINES SHALL BE 4" SDR-35 PVC
  - AT THE END OF ALL SEWER SERVICES INSTALL 2-WAY SANITARY SEWER SERVICE CLEANOUT (SSCO) (STD. DETAIL SS-07). INCLUDES CLEANOUT RING AND COVER AND CONCRETE COLLAR IN UNPAVED AREAS (SEE STD. DETAIL SS-07).
  - WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
  - WHERE PIPES ARE CALLED TO BE ENCASED - SEWER PIPE SHALL BE ENCASED FULLY IN CONCRETE PER STD. DETAIL GU-04. (SEWER LINE ABOVE WATER LINE)



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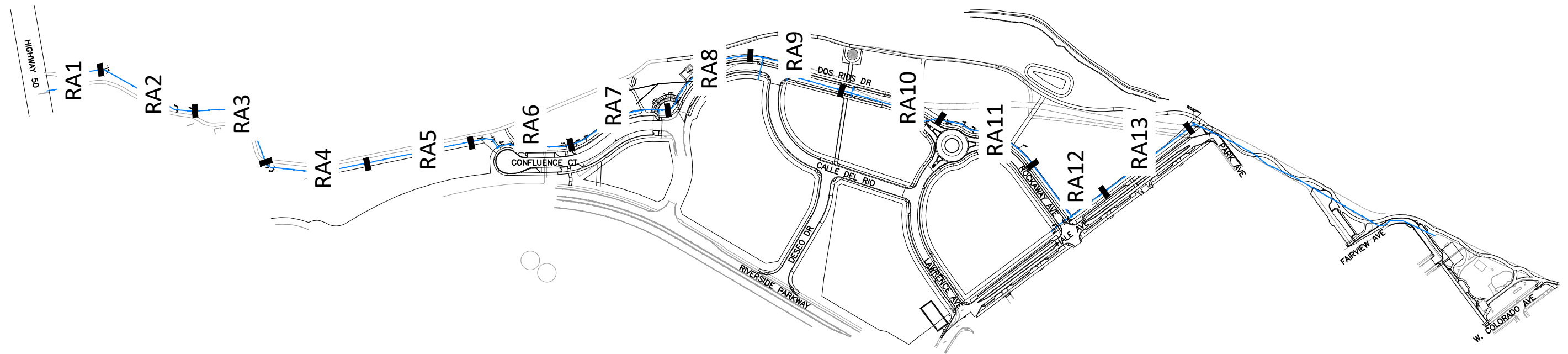
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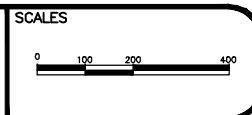
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ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
SANITARY SEWER PH 2 - SS21  
June 18, 2020**

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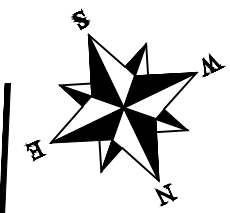


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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE – KEYMAP  
June 19, 2020

**CONSTRUCTION NOTES**

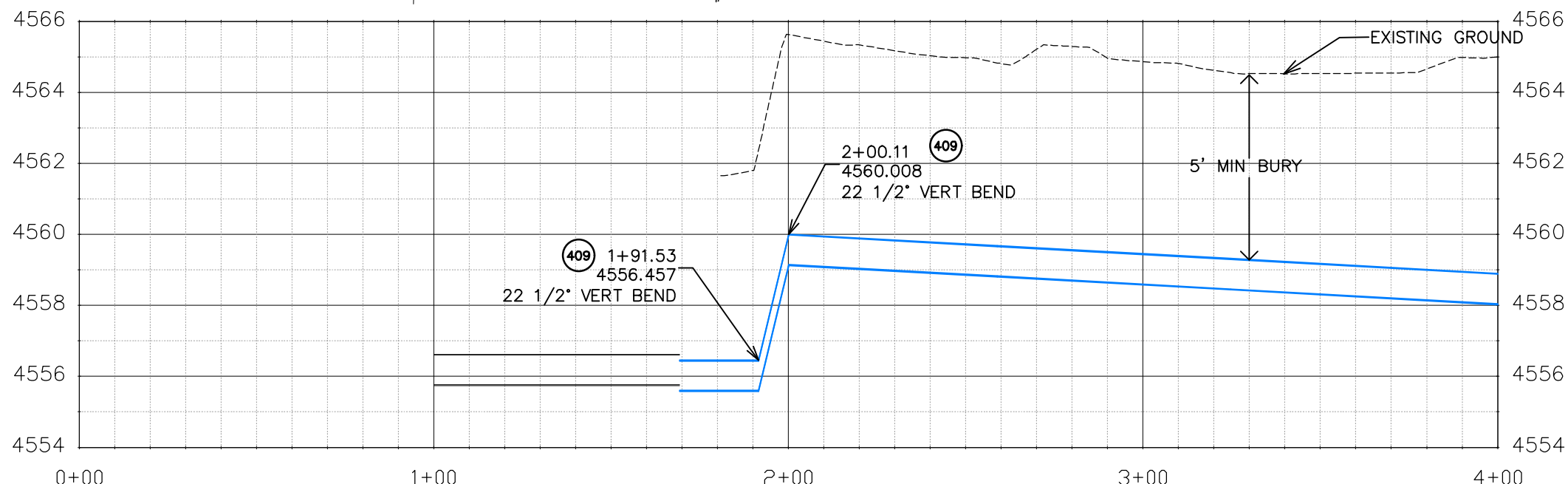
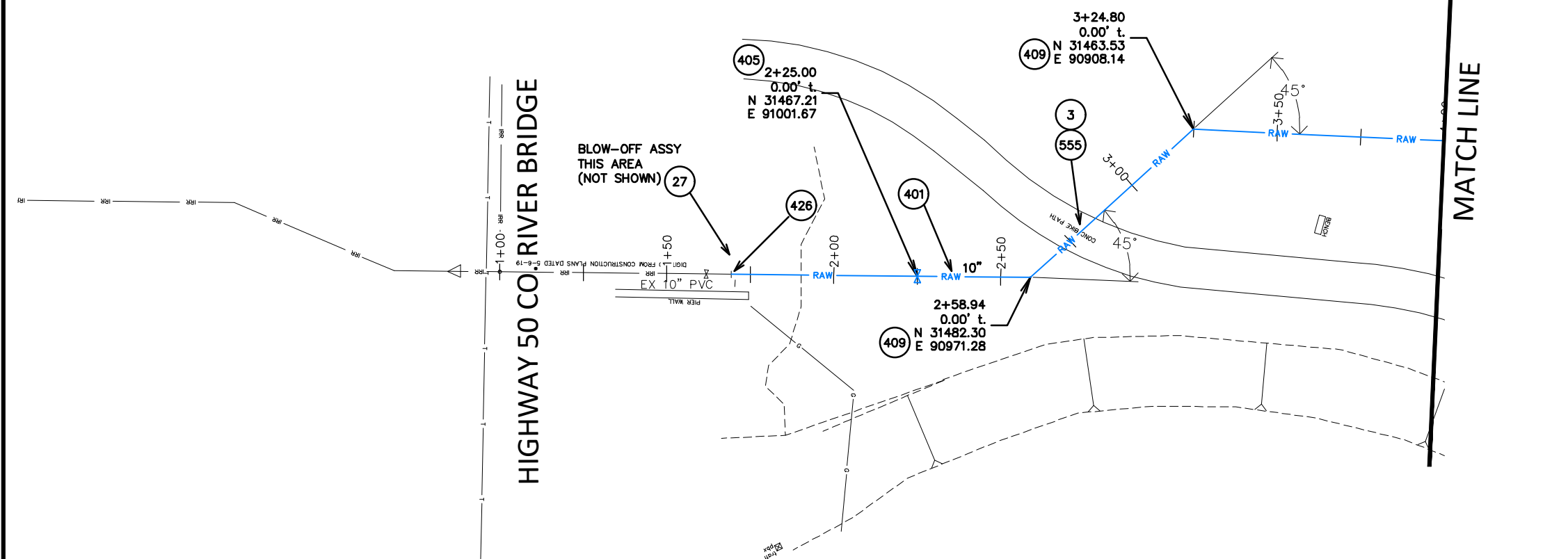
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS NEEDED FOR PIPE INSTALLATION.
- 27 202 - REMOVE BLOW-OFF ASSEMBLY. INCLUDES ALL FITTINGS, VALVES, AND BLOW-OFF HYDRANT.
- 401 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 405 102.8g/102.8h/108.3 - AIR VALVE AND VAULT (SIZE AS SHOWN).
- 409 102.8/108.3 - ELBOW (SIZE AND ANGLE AS SHOWN)
- 426 CONNECT TO EXISTING WATER PIPE/VALVE/FITTING. THE CONTRACT UNIT PRICE FOR WATER PIPE SHALL INCLUDE THE COST OF CONNECTION TO EXISTING PIPELINE
- 555 608.06 - CONCRETE SIDEWALK (6" THICK)



HIGHWAY 50 CO. RIVER BRIDGE

BLOW-OFF ASSY THIS AREA (NOT SHOWN)

MATCH LINE



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	0 10 20 40 HORIZONTAL
REVISION			BH	2020	0 1 2 4 VERTICAL
REVISION			ICP	2020	



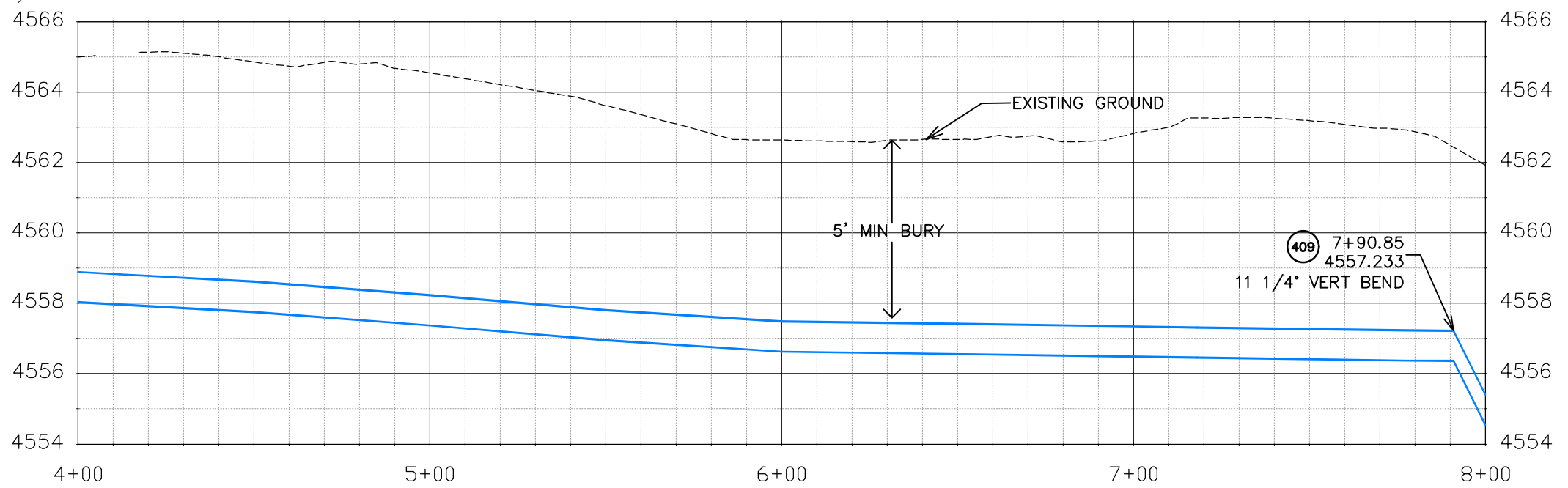
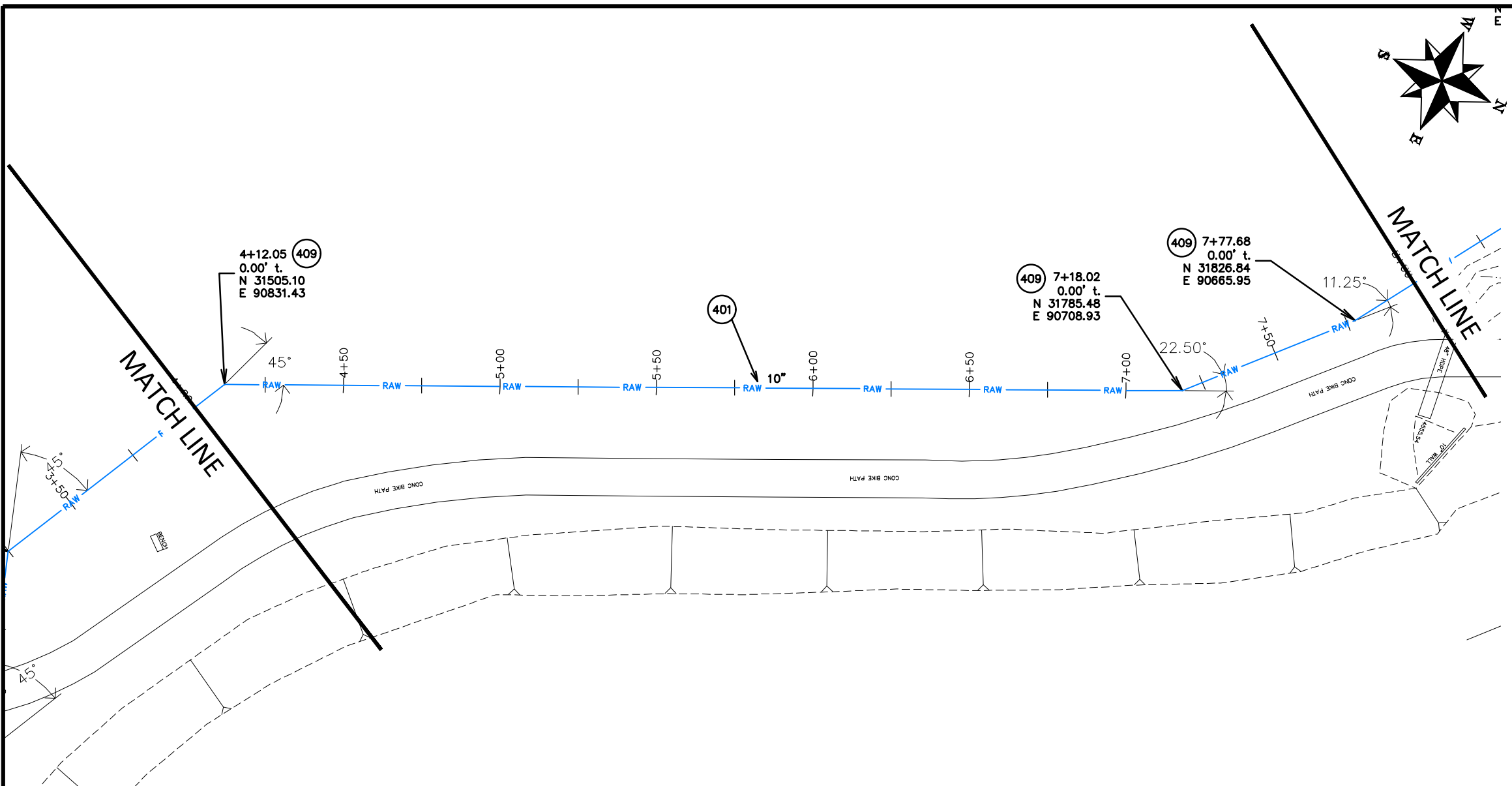
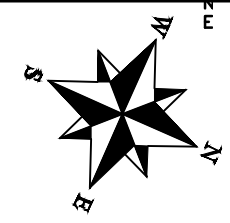
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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - RA1  
June 19, 2020

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**CONSTRUCTION NOTES**

- 401 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 409 102.8/108.3 - ELBOW (SIZE AND ANGLE AS SHOWN)



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
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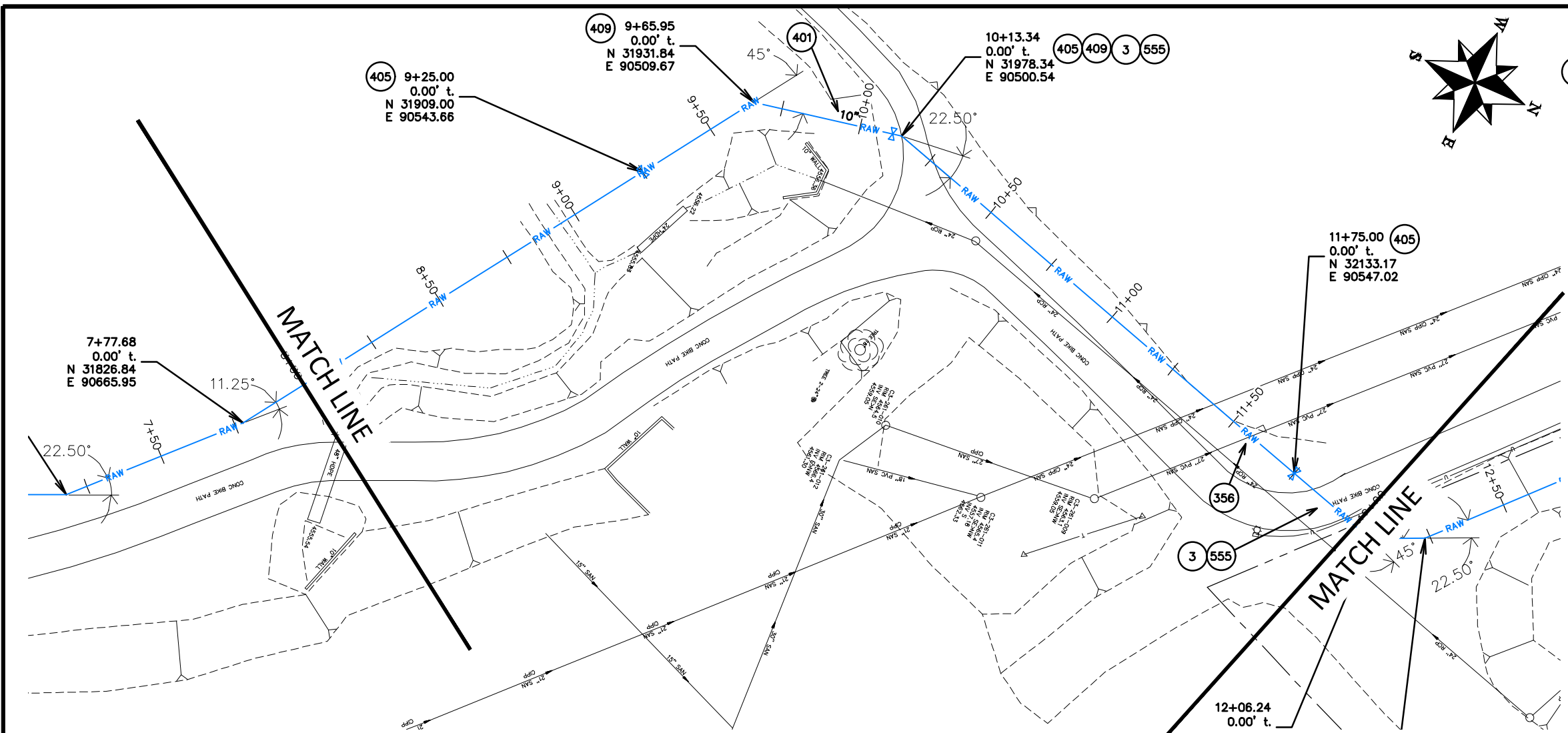


PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - RA2  
June 19, 2020

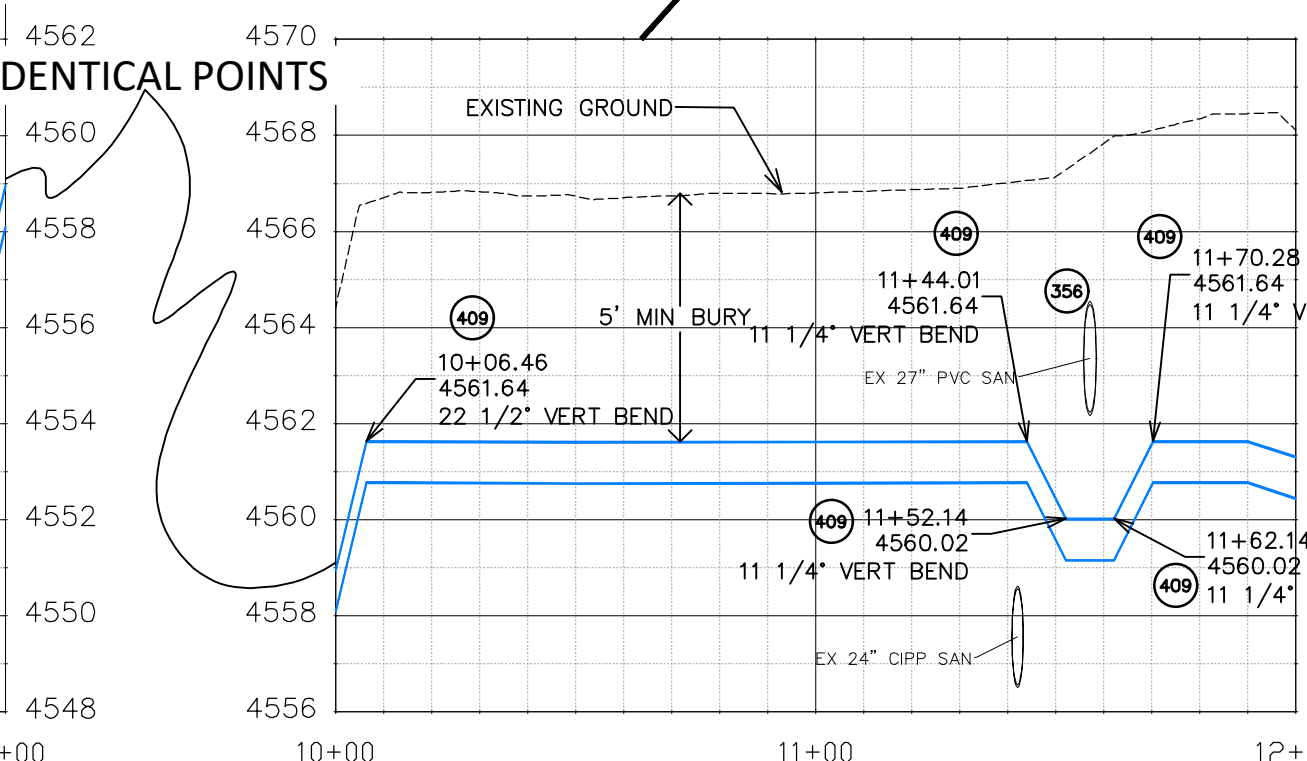
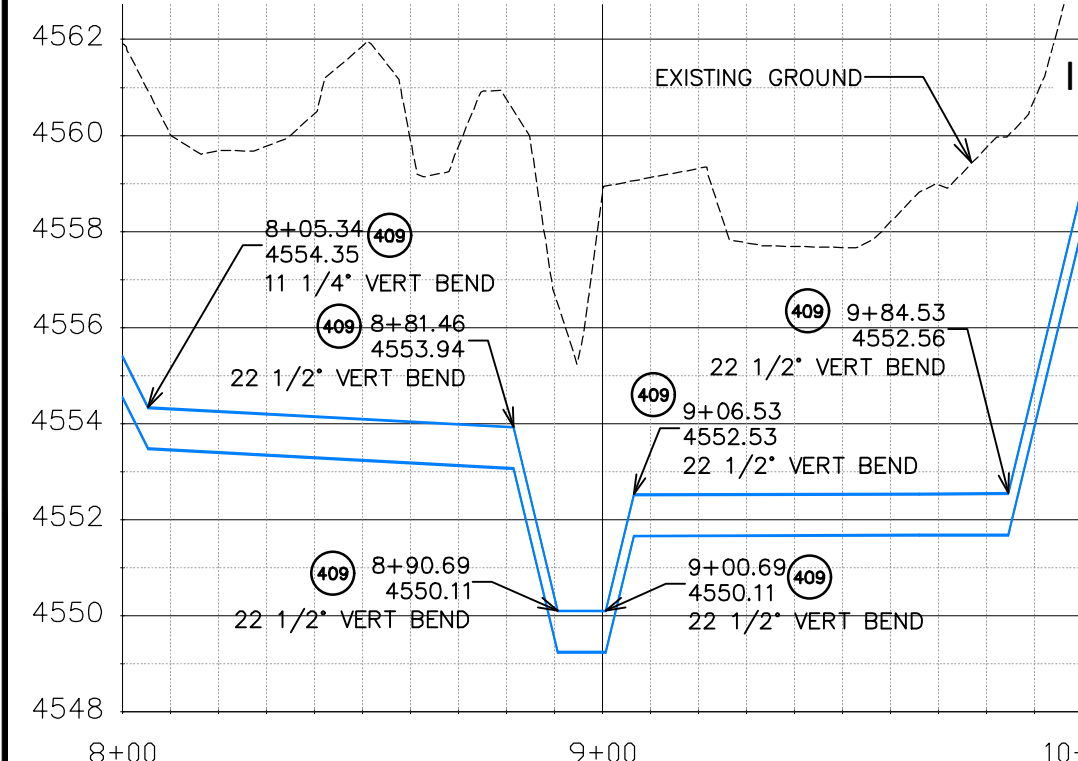
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**CONSTRUCTION NOTES**

- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS NEEDED FOR PIPE INSTALLATION.
- 356 104.40 - ENCASE ENTIRE SEWER IN REINFORCED CONCRETE PER STD. DETAIL GU-04. (ALL CASES WHERE WATER LINE BELOW SEWER LINE OR AT WATERWAY CROSSING)
- 401 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 405 102.8g/102.8h/108.3 - AIR VALVE AND VAULT (SIZE AS SHOWN).
- 409 102.8/108.3 - ELBOW (SIZE AND ANGLE AS SHOWN)
- 555 608.06 - CONCRETE SIDEWALK (6" THICK)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	0 10 20 40 HORIZONTAL
REVISION			BH	2020	0 1 2 4 VERTICAL
REVISION			ICP	2020	



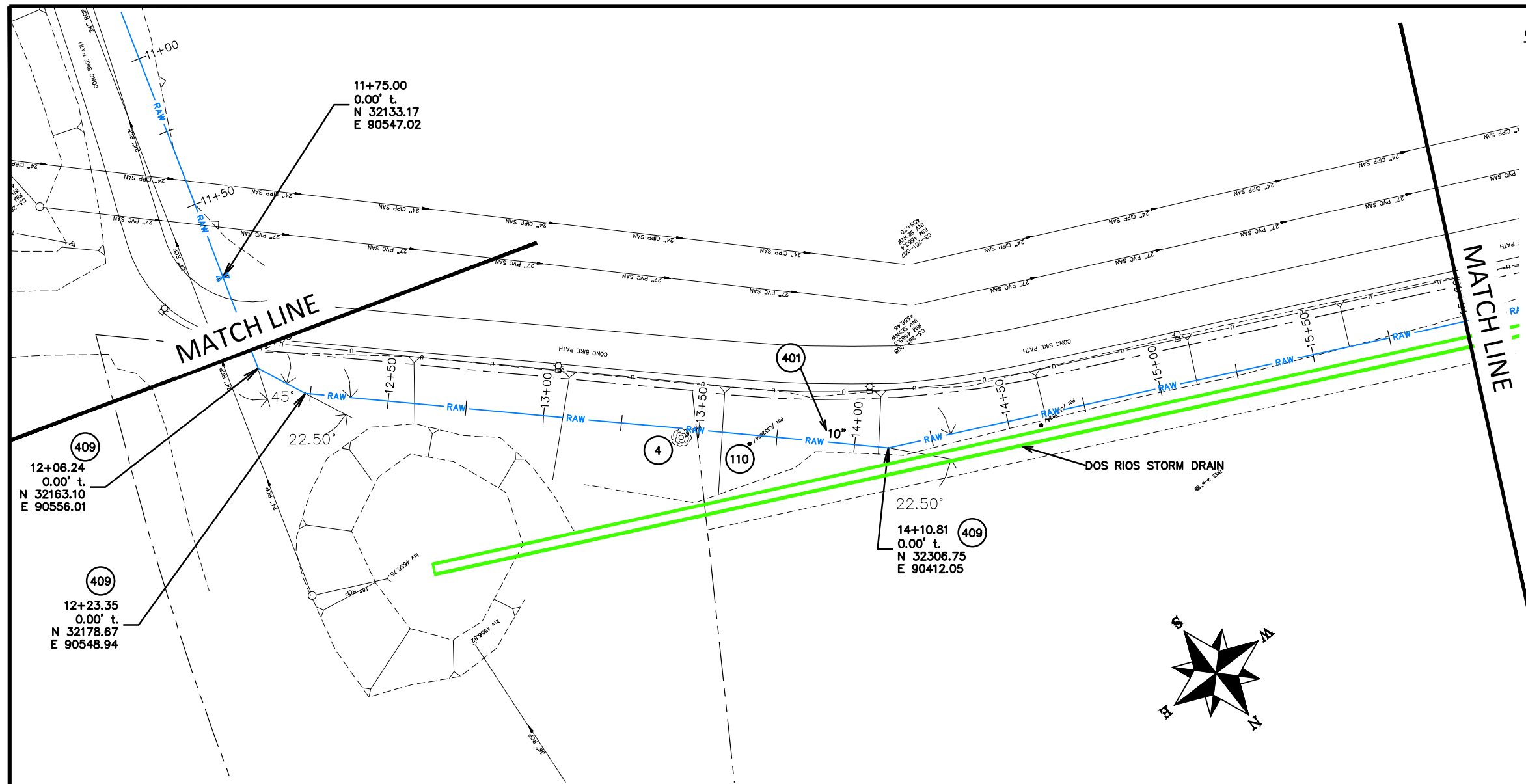
**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - RA3  
June 19, 2020**



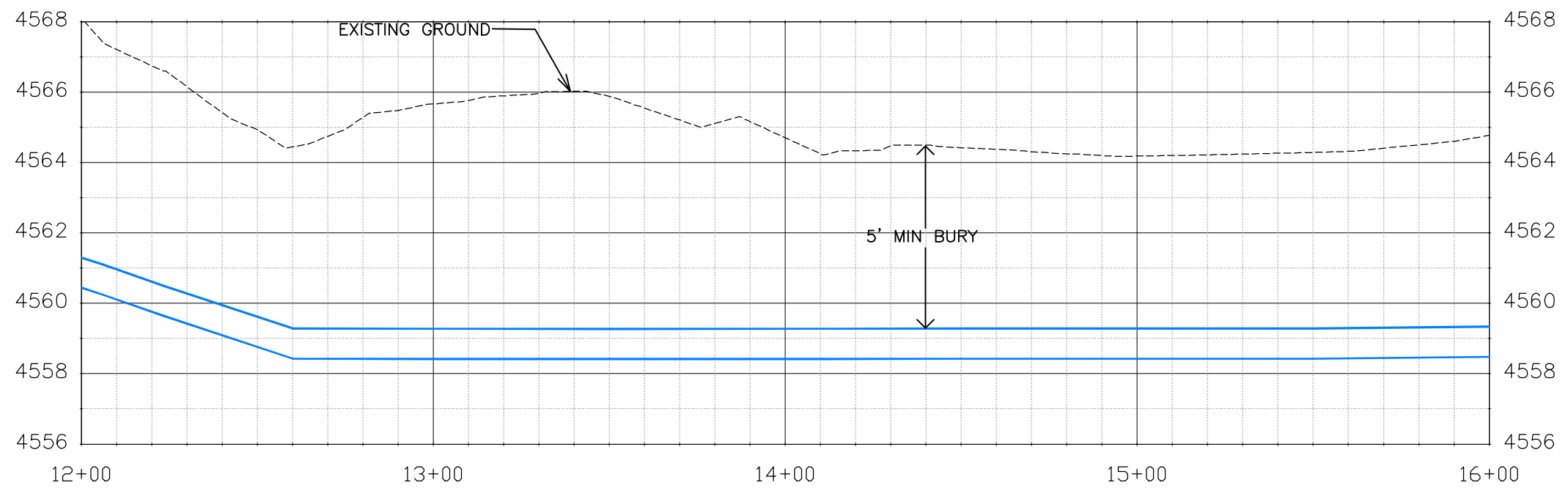
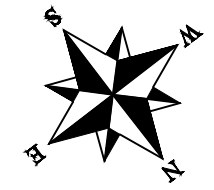
NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

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**CONSTRUCTION NOTES**

- 4 202 - REMOVAL OF TREE (SIZE AS SHOWN ON PLAN)
- 110 629 - REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION.
- 401 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 409 102.8/108.3 - ELBOW (SIZE AND ANGLE AS SHOWN)



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	0 10 20 40 HORIZONTAL
REVISION			BH	2020	0 1 4 VERTICAL
REVISION			ICP	2020	



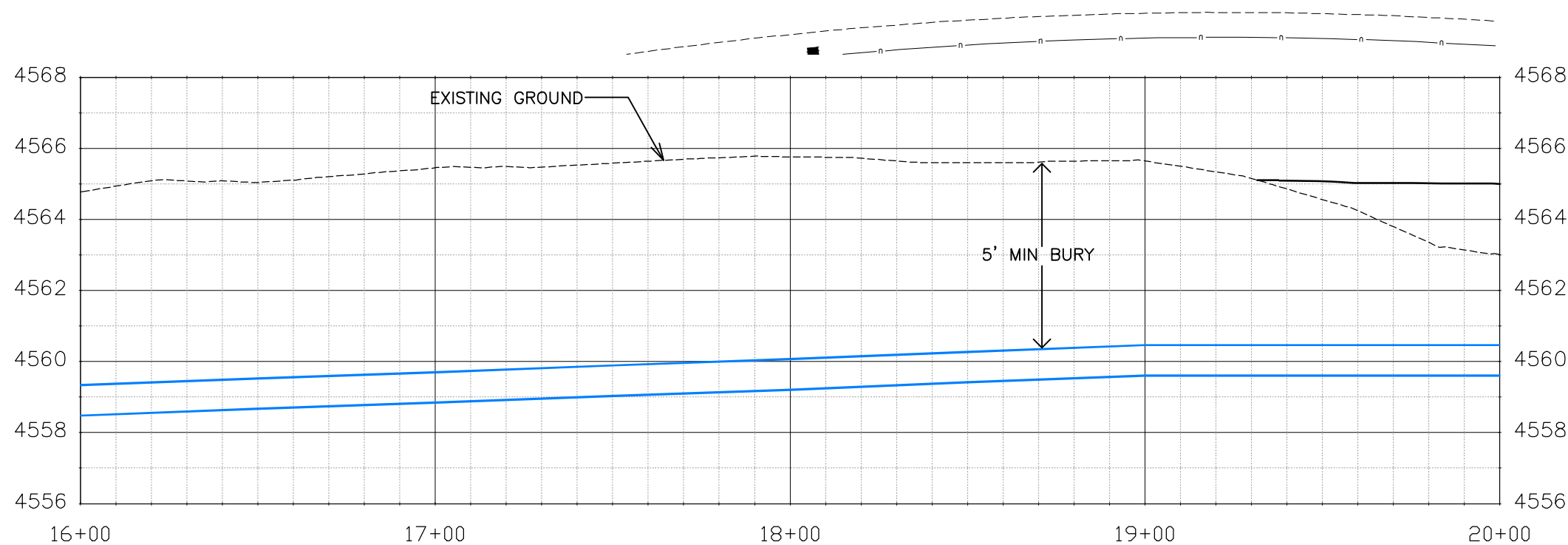
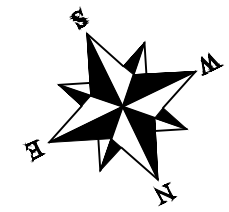
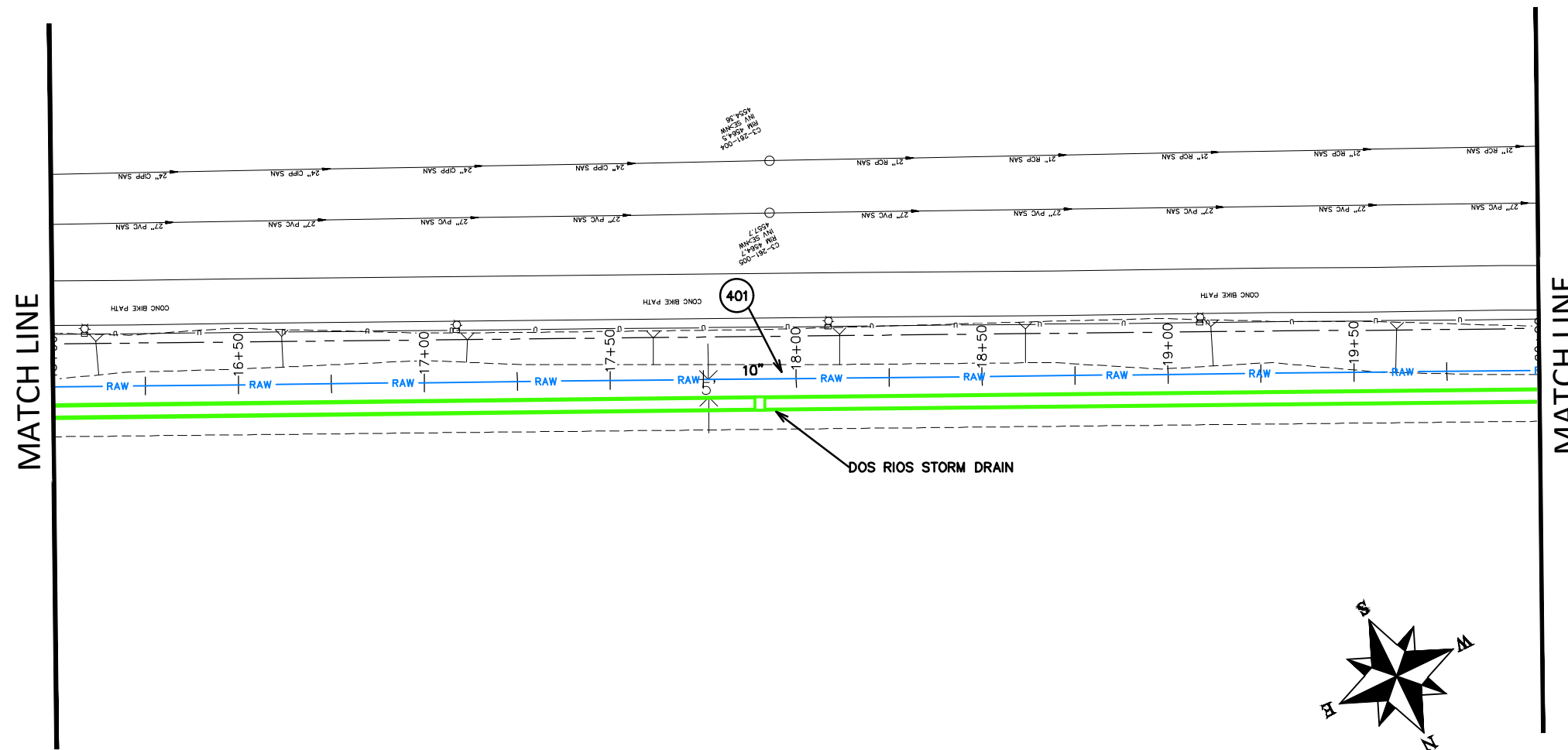
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - RA4  
June 19, 2020

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**CONSTRUCTION NOTES**

(401) 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

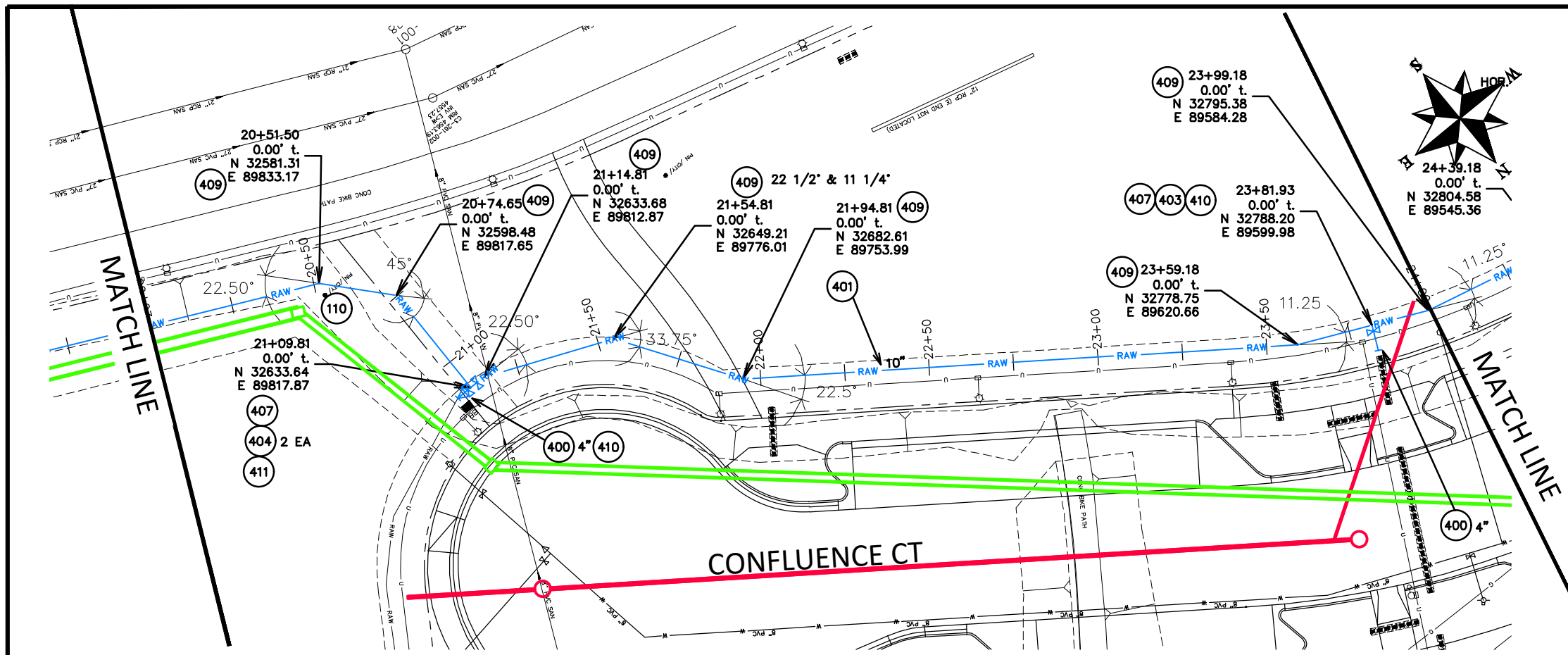
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	0 10 20 40 HORIZONTAL
REVISION			BH	2020	0 1 2 4 VERTICAL
REVISION			ICP	2020	



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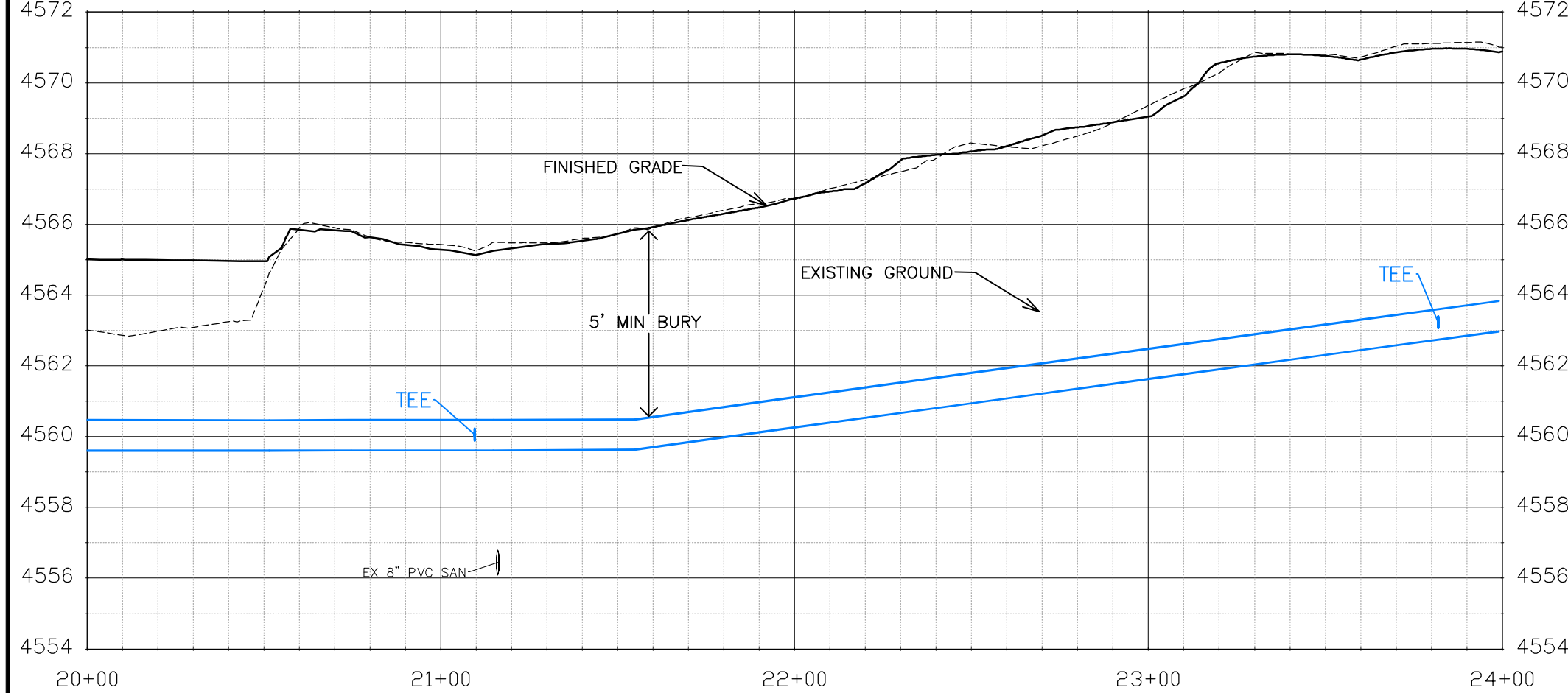
**THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - RA5  
June 19, 2020**

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**CONSTRUCTION NOTES**

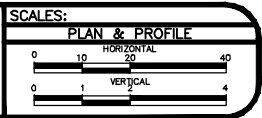
- 110 629 – REFERENCE AND RESET SURVEY MONUMENT. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR'S SURVEYOR MUST SUBMIT FIELD NOTES DETAILING THE PERMANENT REFERENCES PLACED FOR EACH MONUMENT IN DANGER OF LOSS DUE TO CONSTRUCTION.
- 400 102.7/108.2 – WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 401 102.7/108.2 – WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 403 102.8b/108.3 – GATE VALVE. (SIZE AS SHOWN)
- 404 102.8e/108.3 – BUTTERFLY VALVE (SIZE AS SHOWN).
- 407 102.8/108.3 – TEE (SIZE AS SHOWN).
- 409 102.8/108.3 – ELBOW (SIZE AND ANGLE AS SHOWN)
- 410 102.8/108.3 – END CAP / PLUG (SIZE AS SHOWN).
- 411 102.8/108.3 – REDUCER (SIZE AS SHOWN).



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2020
REVISION			BH/JCS	2020
REVISION			BH	2020
REVISION			ICP	2020



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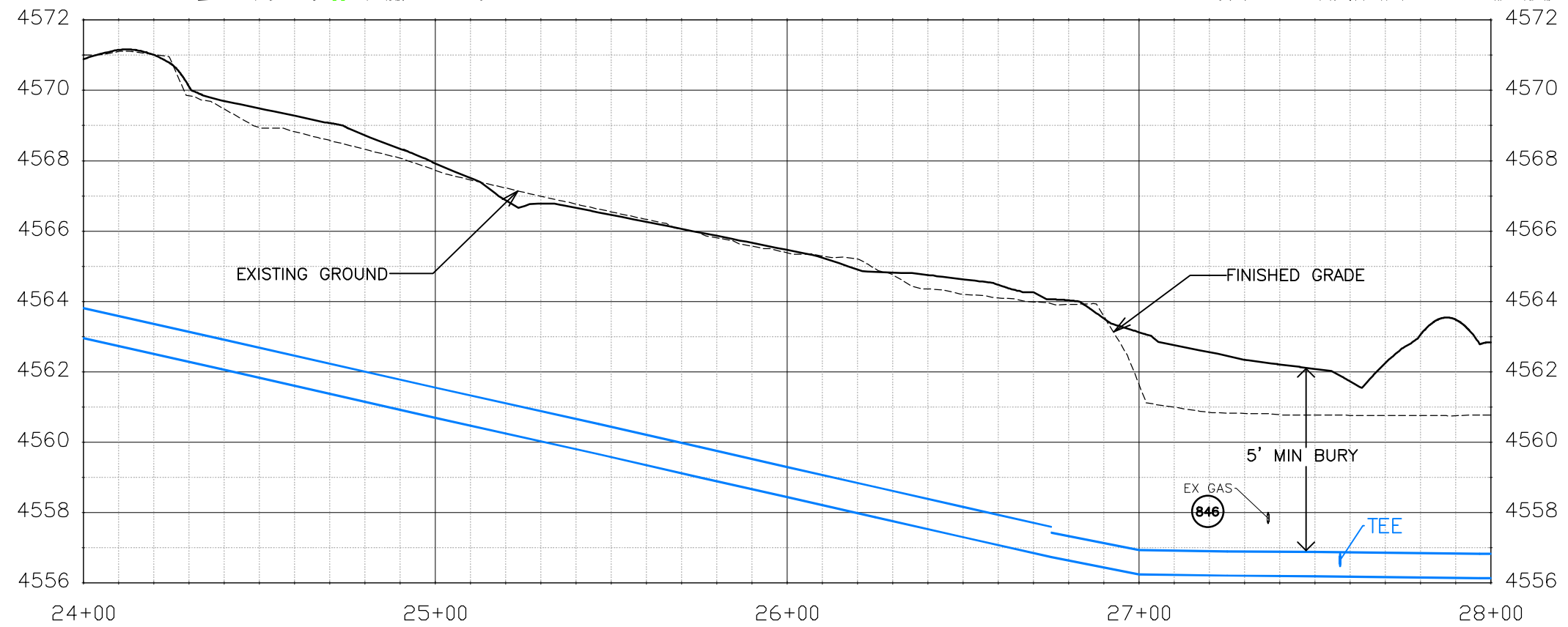
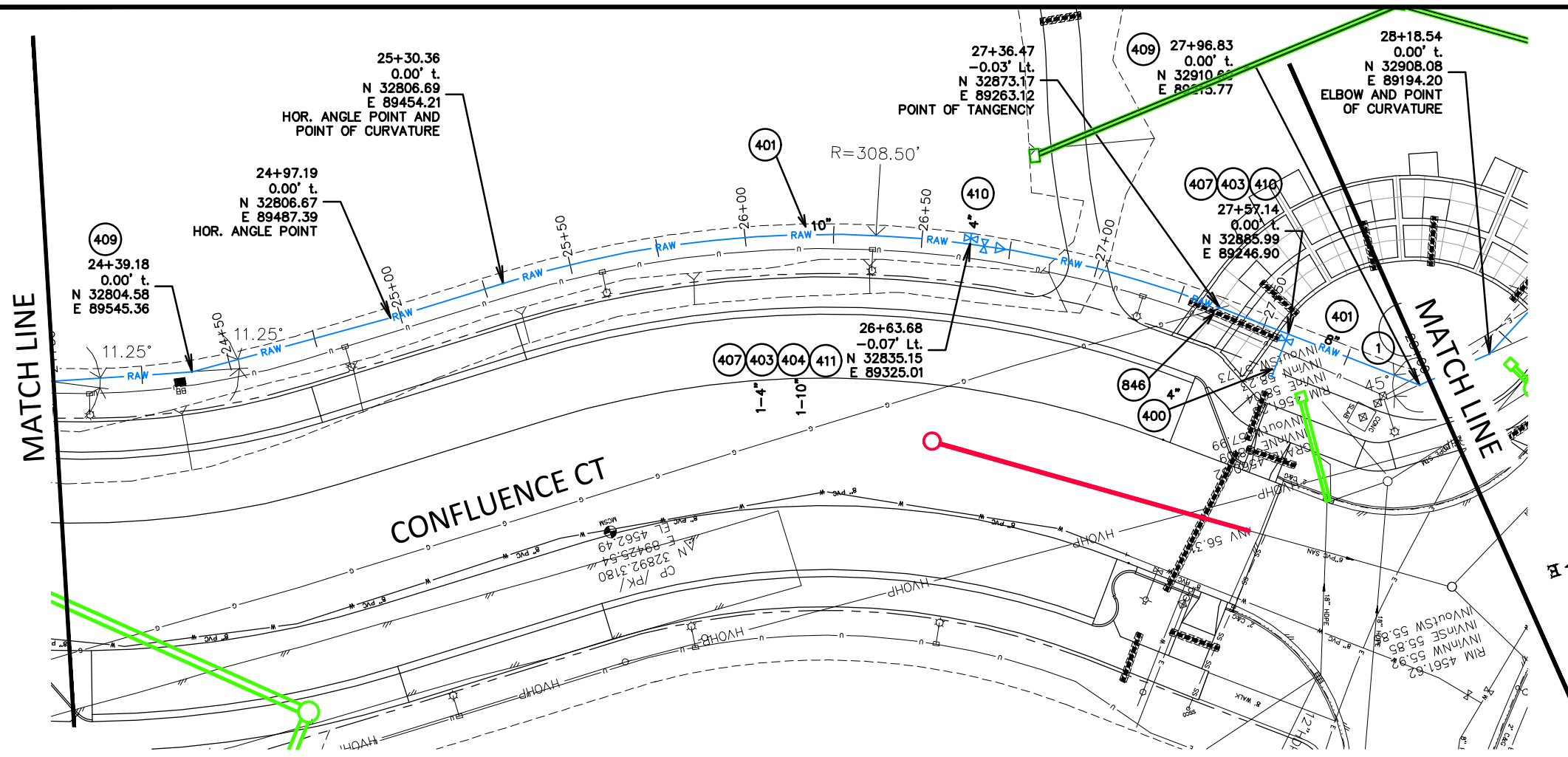
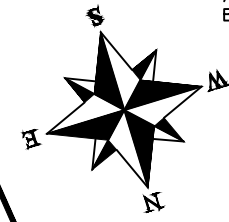
THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE – RA6  
June 19, 2020

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**CONSTRUCTION NOTES**

- 1) 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS NEEDED FOR PIPE INSTALLATION.
- 400 102.7/108.2 - WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 401 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 403 102.8b/108.3 - GATE VALVE. (SIZE AS SHOWN)
- 407 102.8/108.3 - TEE (SIZE AS SHOWN).
- 409 102.8/108.3 - ELBOW (SIZE AND ANGLE AS SHOWN)
- 410 102.8/108.3 - END CAP / PLUG (SIZE AS SHOWN).
- 411 102.8/108.3 - REDUCER (SIZE AS SHOWN).
- 846 POT HOLE EXISTING UTILITY AHEAD OF CONSTRUCTION. TRANSITION WATER PIPE AS NEEDED TO MAINTAIN 18" CLEARANCE MINIMUM ABOVE SEWER PIPES AND 6" CLEARANCE MINIMUM ABOVE OR BELOW OTHER UTILITY LINES.



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	HORIZONTAL 1"=40'
REVISION			BH	2020	VERTICAL 1"=4'
REVISION			ICP	2020	



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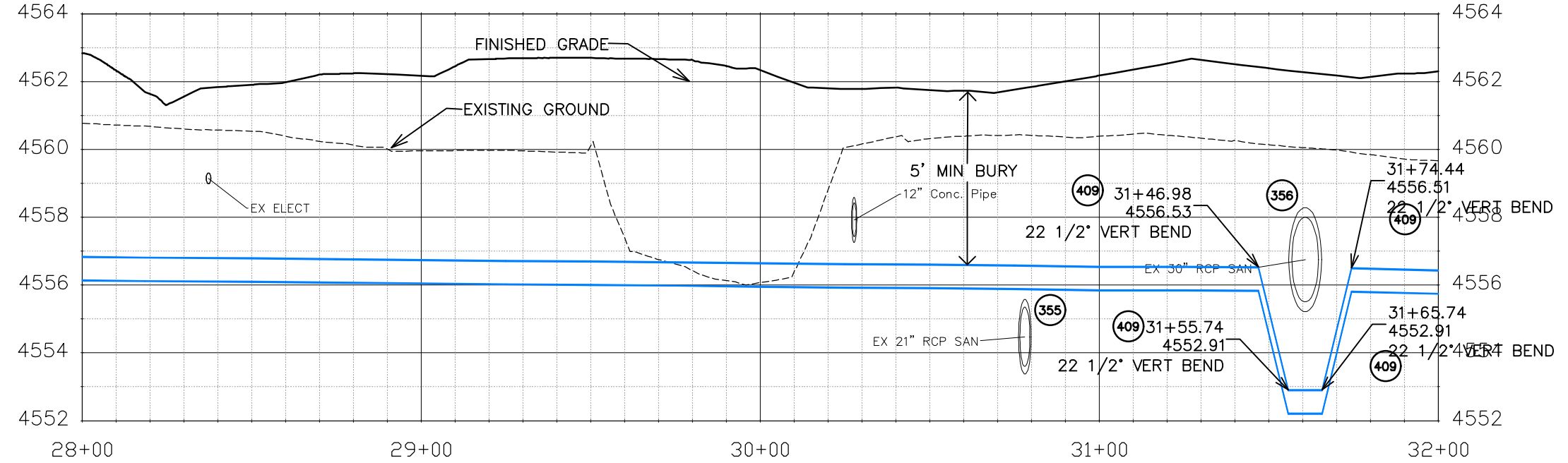
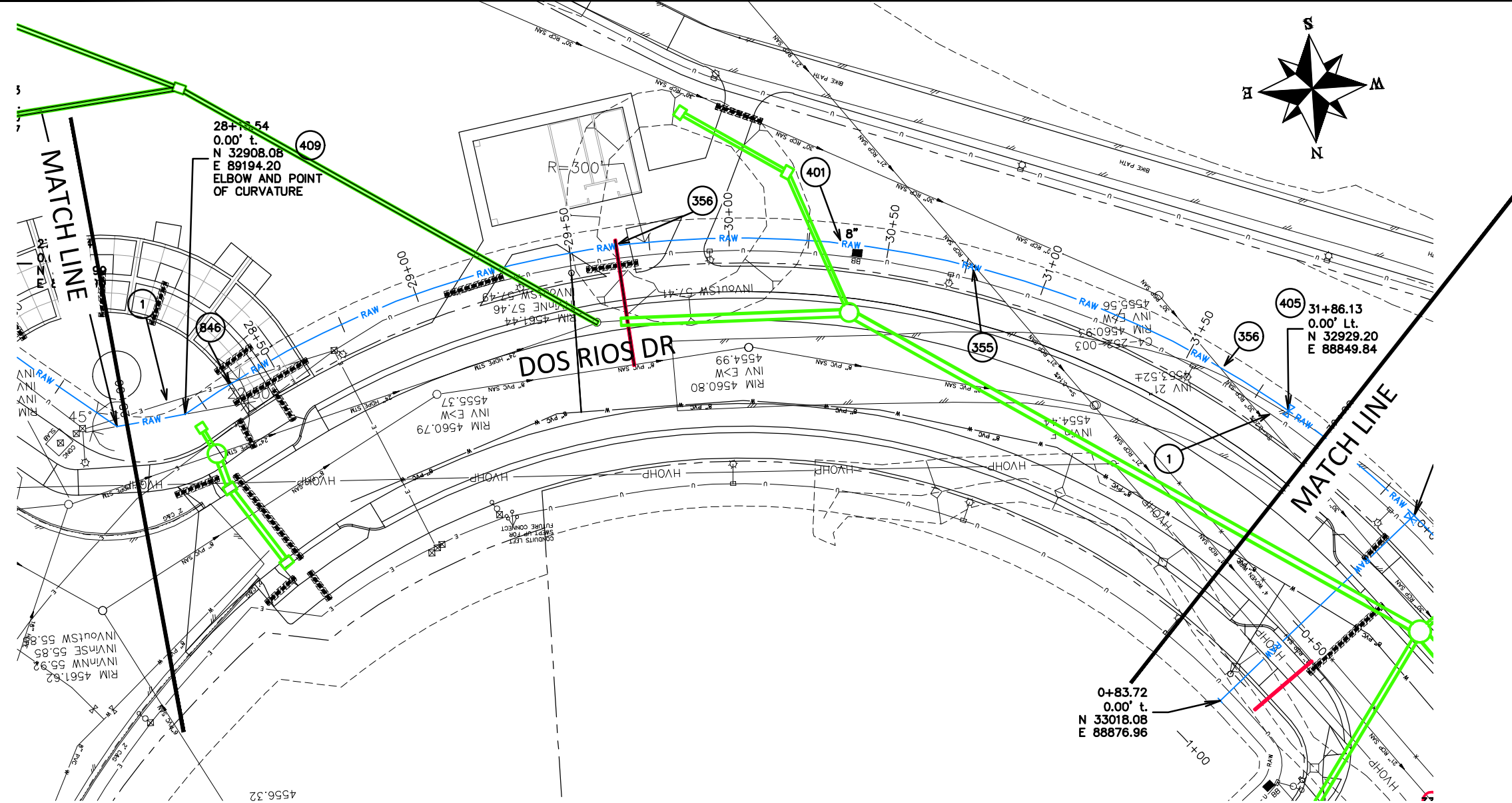
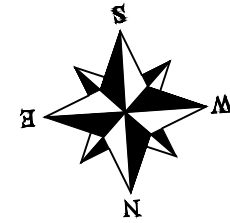
THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - RA7  
June 19, 2020

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**CONSTRUCTION NOTES**

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS NEEDED FOR PIPE INSTALLATION.
- 355 104.40 - CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
- 356 104.40 - ENCASE ENTIRE SEWER IN REINFORCED CONCRETE PER STD. DETAIL GU-04. (ALL CASES WHERE WATER LINE BELOW SEWER LINE OR AT WATERWAY CROSSING)
- 401 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 405 102.8g/102.8h/108.3 - AIR VALVE AND VAULT (SIZE AS SHOWN).
- 409 102.8/108.3 - ELBOW (SIZE AND ANGLE AS SHOWN)
- 846 POT HOLE EXISTING UTILITY AHEAD OF CONSTRUCTION. TRANSITION WATER PIPE AS NEEDED TO MAINTAIN 18" CLEARANCE MINIMUM ABOVE SEWER PIPES AND 6" CLEARANCE MINIMUM ABOVE OR BELOW OTHER UTILITY LINES.



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NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	0 10 20 40 HORIZONTAL
REVISION			BH	2020	0 1 2 4 VERTICAL
REVISION			ICP	2020	



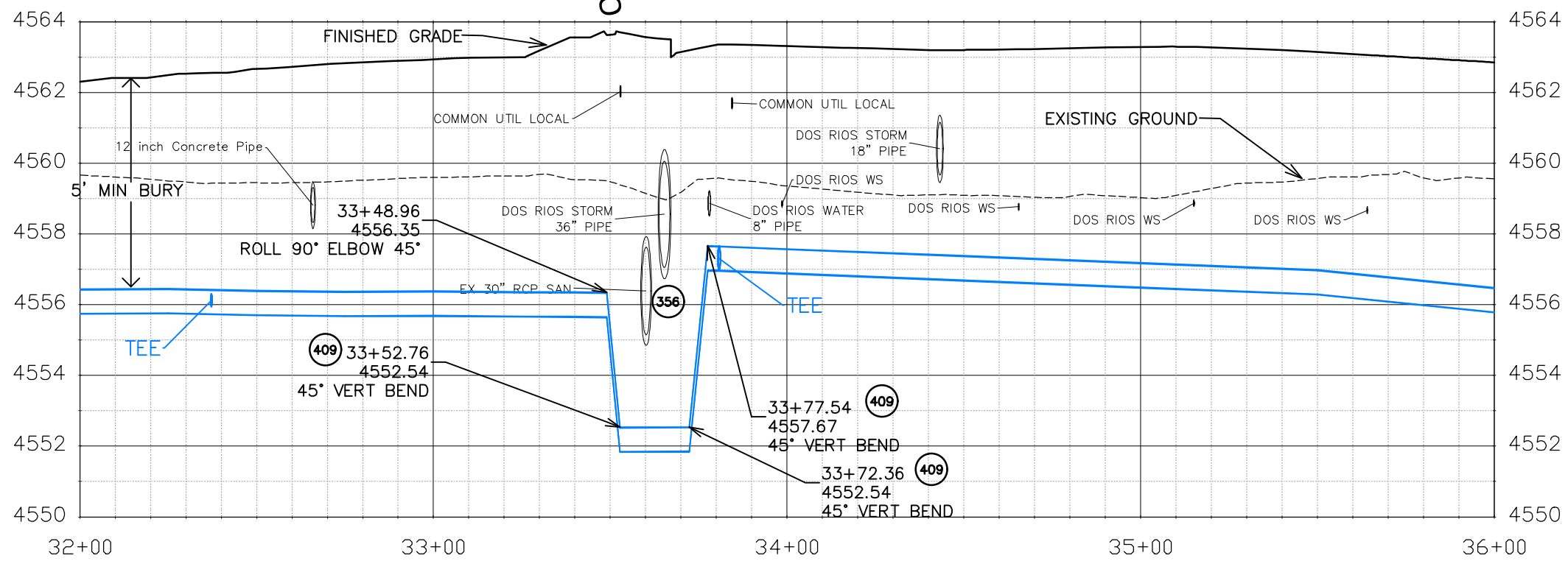
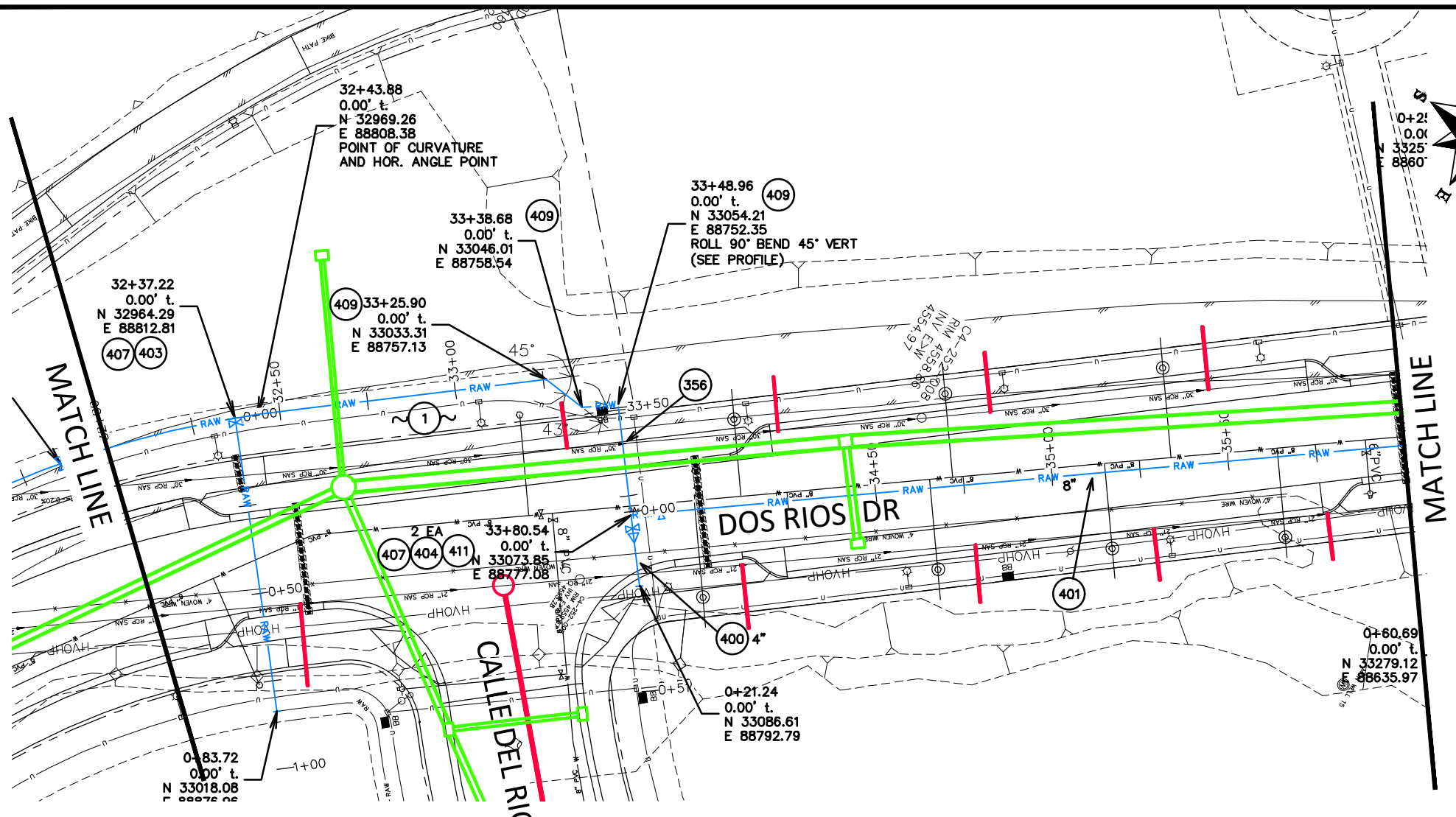
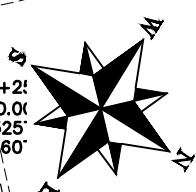
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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - RAS  
June 19, 2020

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**CONSTRUCTION NOTES**

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS NEEDED FOR PIPE INSTALLATION.
- 356 104.40 - ENCASE ENTIRE SEWER IN REINFORCED CONCRETE PER STD. DETAIL GU-04. (ALL CASES WHERE WATER LINE BELOW SEWER LINE OR AT WATERWAY CROSSING)
- 400 102.7/108.2 - WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 401 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 403 102.8b/108.3 - GATE VALVE. (SIZE AS SHOWN)
- 404 BUTTERFLY VALVE (SIZE AS SHOWN).
- 407 102.8/108.3 - TEE (SIZE AS SHOWN).
- 409 102.8/108.3 - ELBOW (SIZE AND ANGLE AS SHOWN)
- 411 102.8/108.3 - REDUCER (SIZE AS SHOWN).



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	0" = 10' HORIZONTAL
REVISION			BH	2020	0" = 1' VERTICAL
REVISION			ICP	2020	



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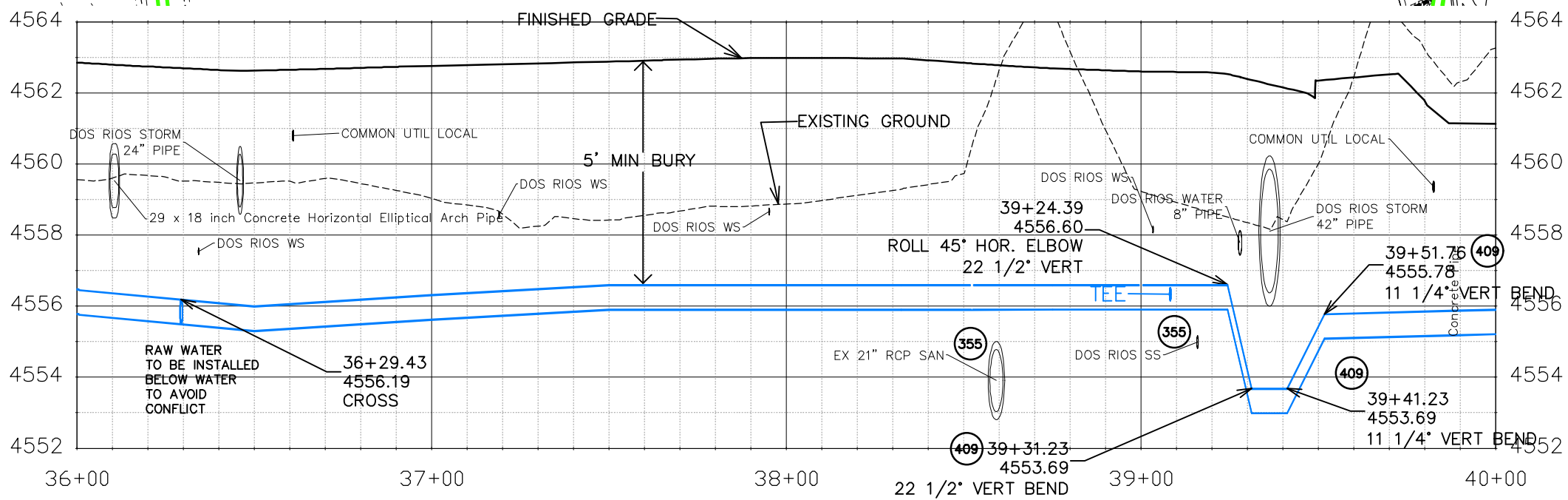
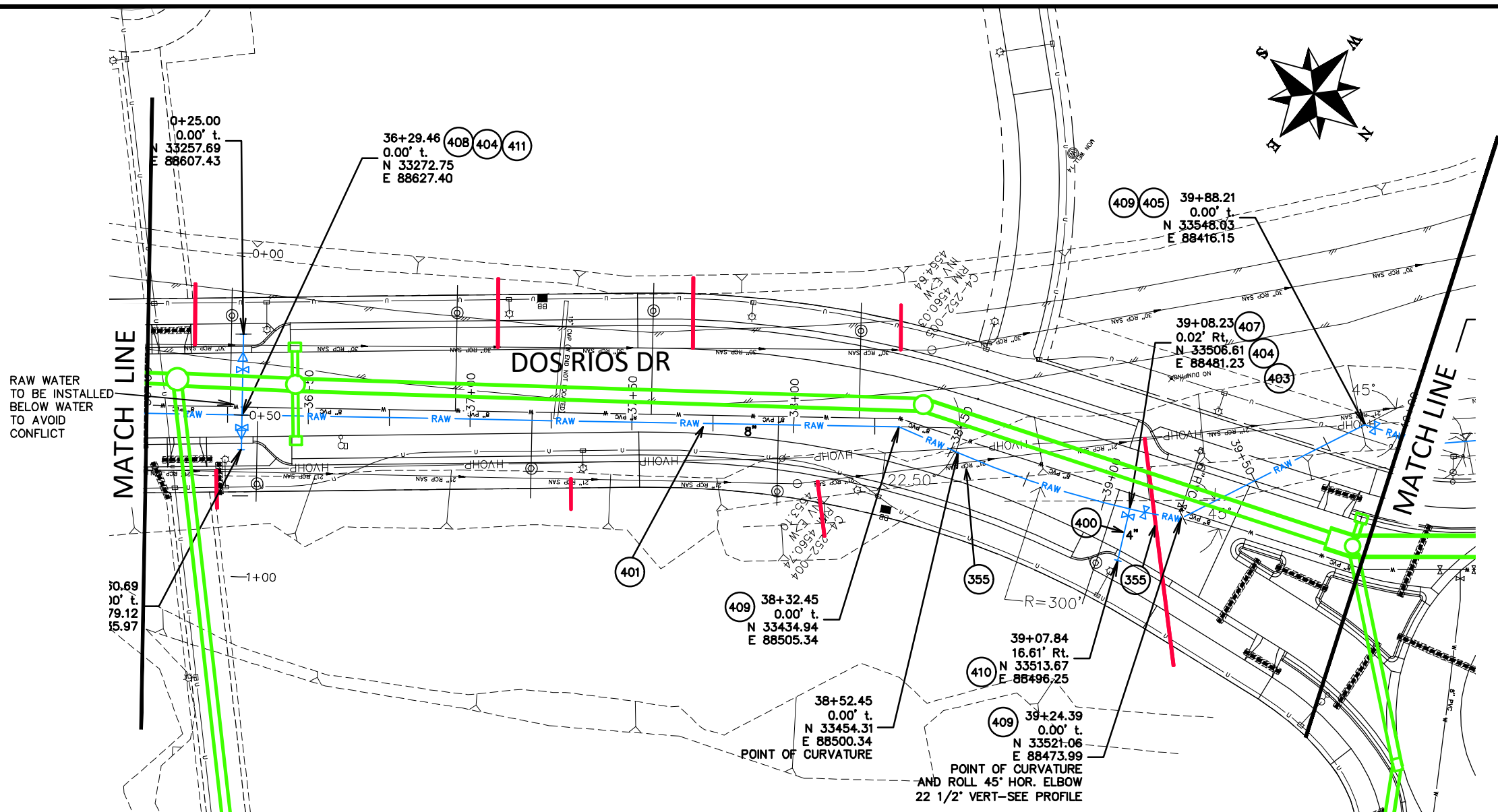
THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - RA9  
June 19, 2020

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**CONSTRUCTION NOTES**

- 355 104.40 – CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
- 400 102.7/108.2 – WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 401 102.7/108.2 – WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 403 102.8b/108.3 – GATE VALVE. (SIZE AS SHOWN)
- 404 BUTTERFLY VALVE (SIZE AS SHOWN).
- 405 102.8g/102.8h/108.3 – AIR VALVE AND VAULT (SIZE AS SHOWN).
- 407 102.8/108.3 – TEE (SIZE AS SHOWN).
- 408 102.8/108.3 – CROSS (SIZE AS SHOWN)
- 409 102.8/108.3 – ELBOW (SIZE AND ANGLE AS SHOWN)
- 410 102.8/108.3 – END CAP / PLUG (SIZE AS SHOWN).
- 411 102.8/108.3 – REDUCER (SIZE AS SHOWN).



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	0" = 10' HORIZONTAL
REVISION			BH	2020	0" = 1' VERTICAL
REVISION			ICP	2020	



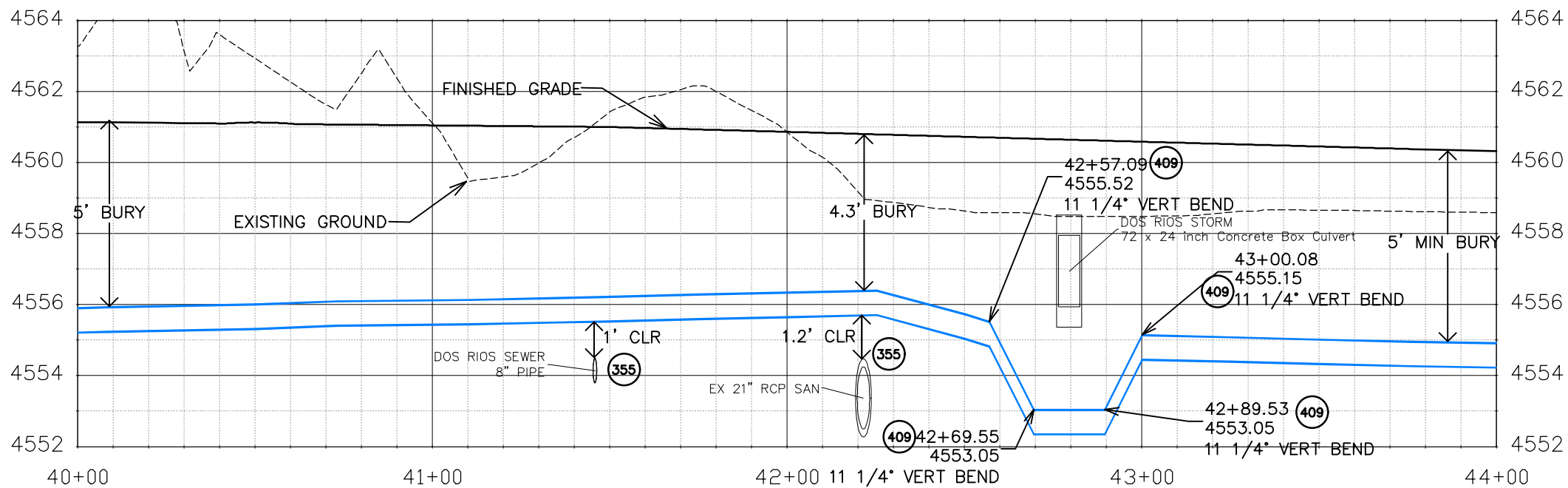
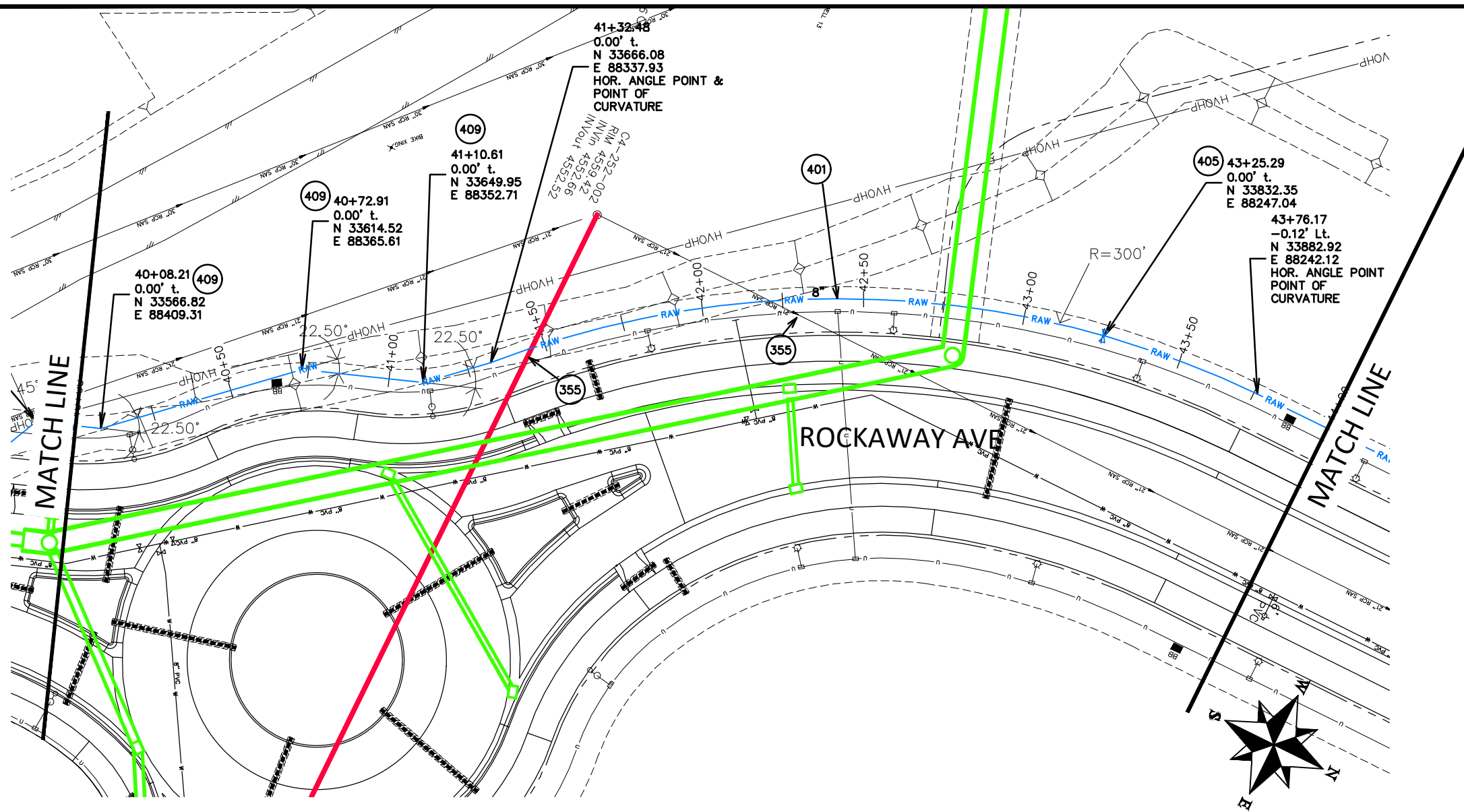
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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE – RA10  
June 19, 2020

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**CONSTRUCTION NOTES**

- 355 104.40 – CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
- 401 102.7/108.2 – WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 405 102.8g/102.8h/108.3 – AIR VALVE AND VAULT (SIZE AS SHOWN).
- 409 102.8/108.3 – ELBOW (SIZE AND ANGLE AS SHOWN)



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2020
REVISION			BH/JCS	2020
REVISION			BH	2020
REVISION			ICP	2020

SCALES:
PLAN & PROFILE
1" = 40'
1" = 4'



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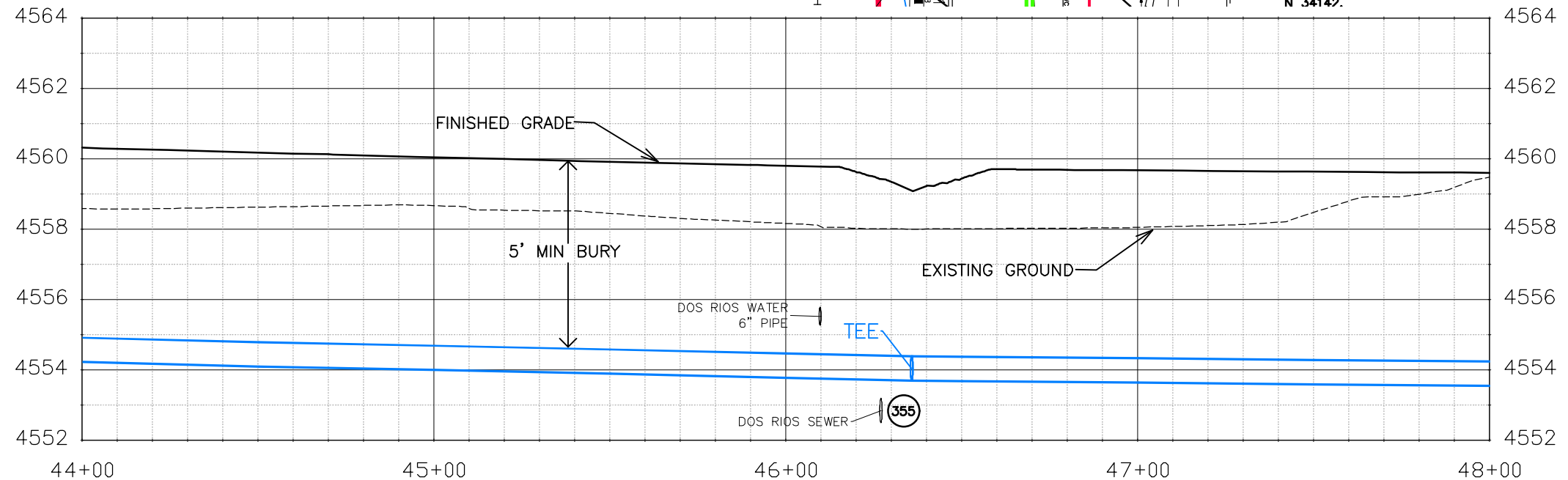
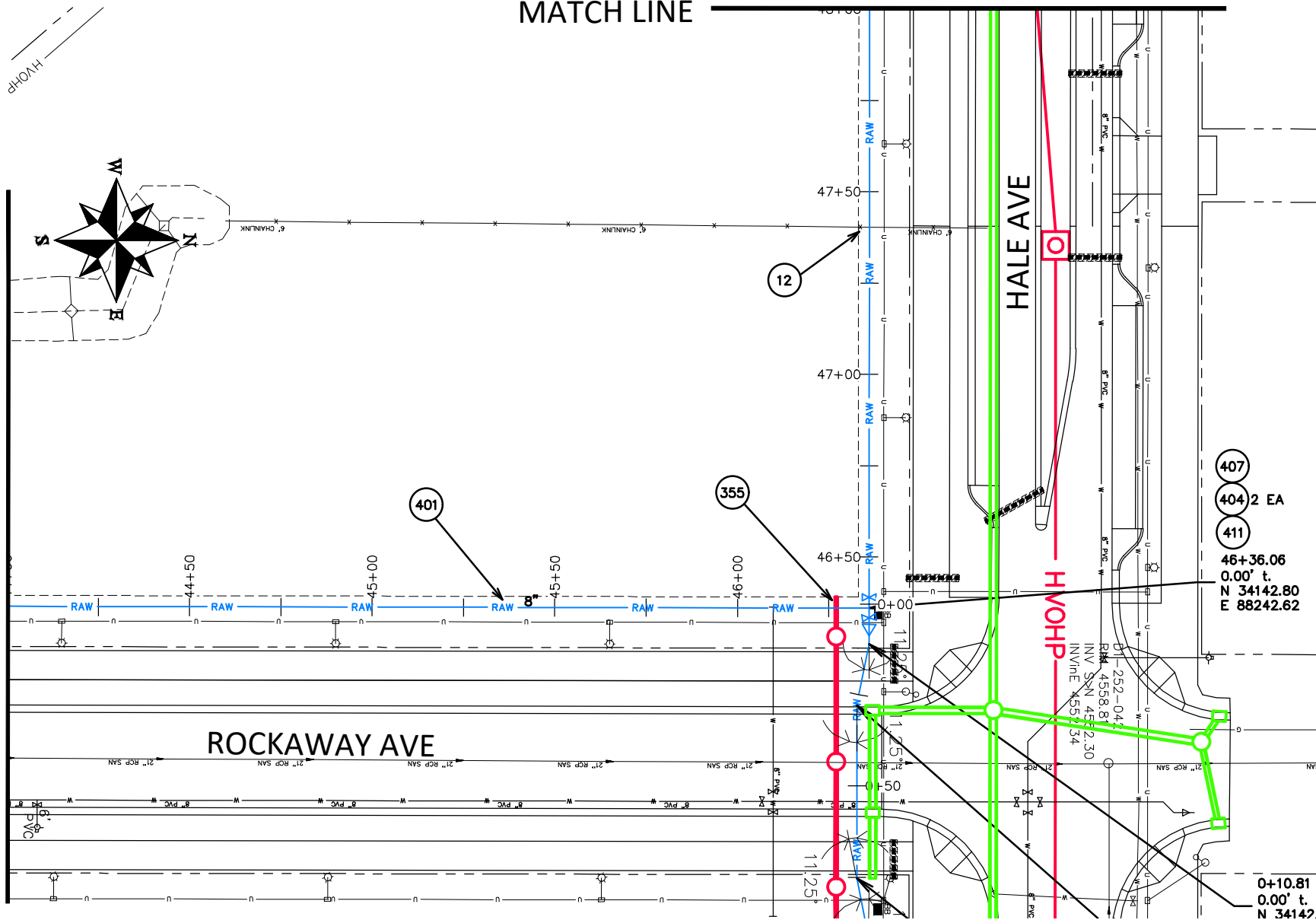
THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE – RA11  
June 19, 2020

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MATCH LINE

**CONSTRUCTION NOTES**

- 12 202 - REMOVAL OF FENCE AS SHOWN. (HEIGHT AND MATERIAL AS SHOW ON PLAN)
- 355 104.40 - CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
- 401 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 404 BUTTERFLY VALVE (SIZE AS SHOWN).
- 407 102.8/108.3 - TEE (SIZE AS SHOWN).
- 411 102.8/108.3 - REDUCER (SIZE AS SHOWN).



Know what's below.  
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NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	0" = 10' HORIZONTAL
REVISION			BH	2020	0" = 1' VERTICAL
REVISION			ICP	2020	



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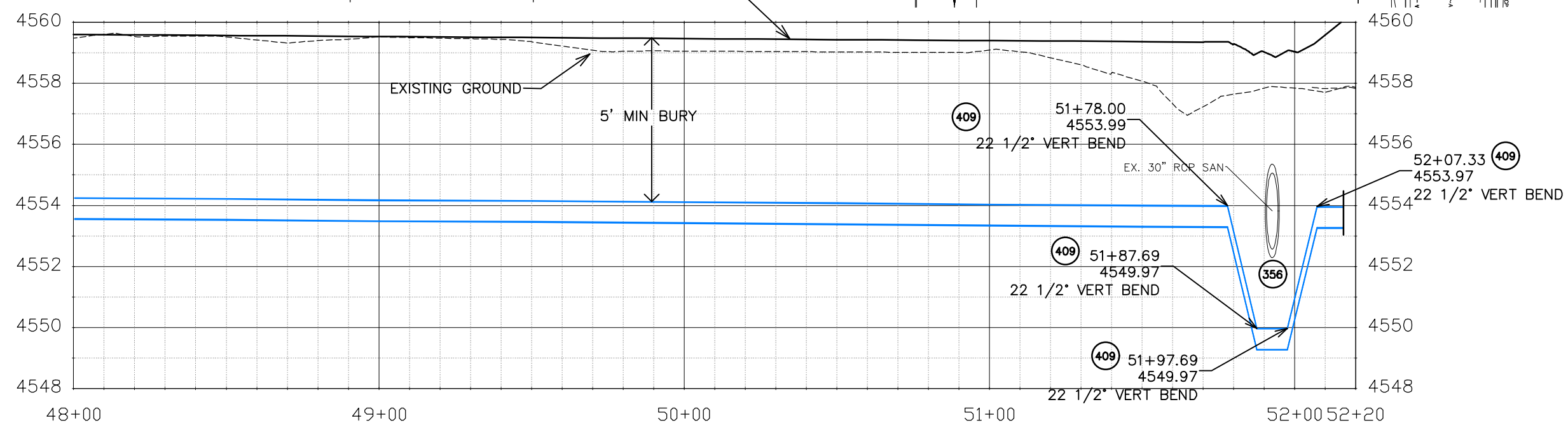
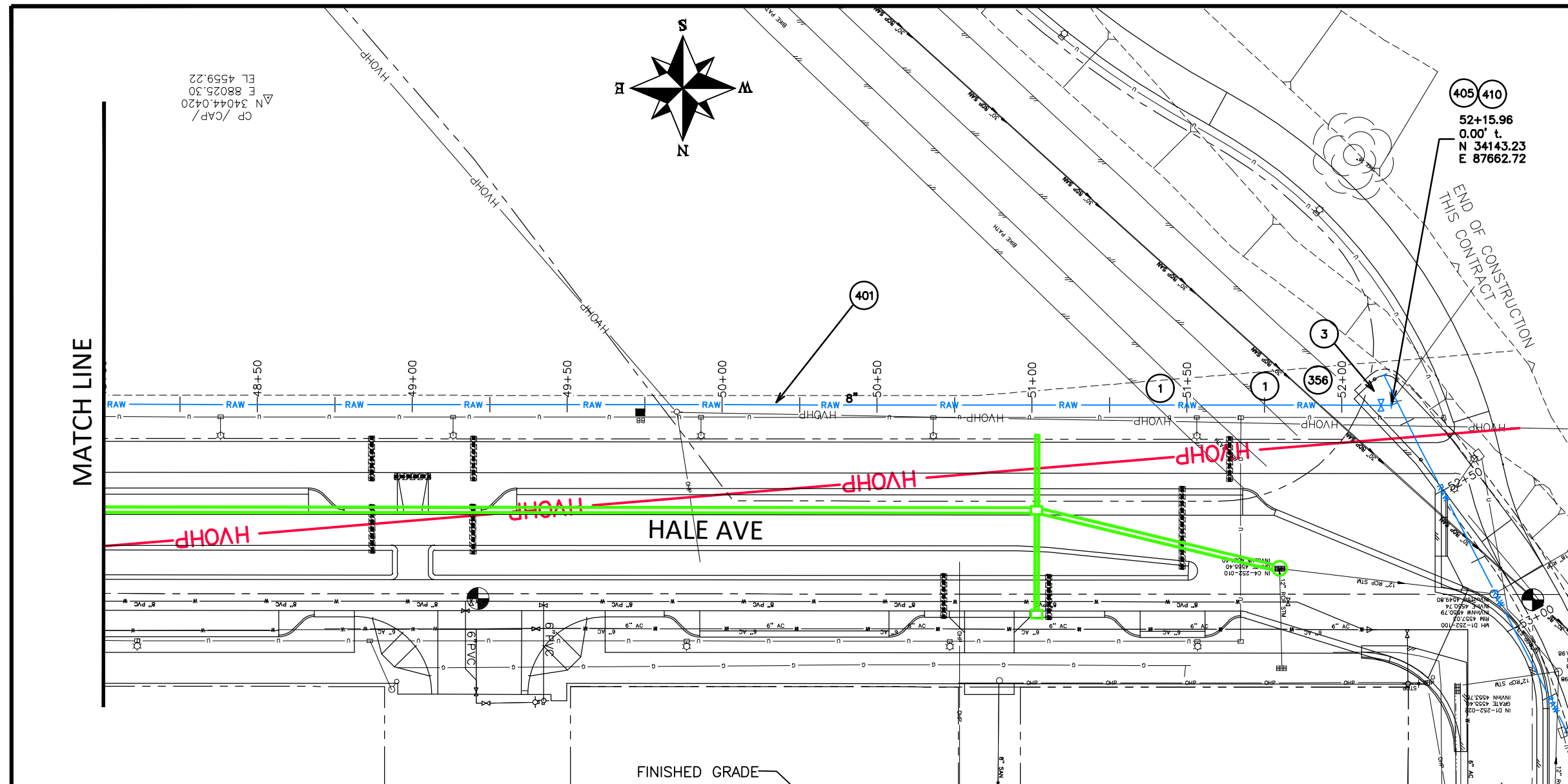
THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - RA12  
June 19, 2020

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**CONSTRUCTION NOTES**

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS NEEDED FOR PIPE INSTALLATION.
- 3 202 - REMOVAL OF CONCRETE. SAW CUT AND REMOVE CONCRETE AS NEEDED FOR PIPE INSTALLATION.
- 356 104.40 - ENCASE ENTIRE SEWER IN REINFORCED CONCRETE PER STD. DETAIL GU-04. (ALL CASES WHERE WATER LINE BELOW SEWER LINE OR AT WATERWAY CROSSING)
- 401 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 405 102.8g/102.8h/108.3 - AIR VALVE AND VAULT (SIZE AS SHOWN).
- 409 102.8/108.3 - ELBOW (SIZE AND ANGLE AS SHOWN)
- 410 102.8/108.3 - END CAP / PLUG (SIZE AS SHOWN).



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

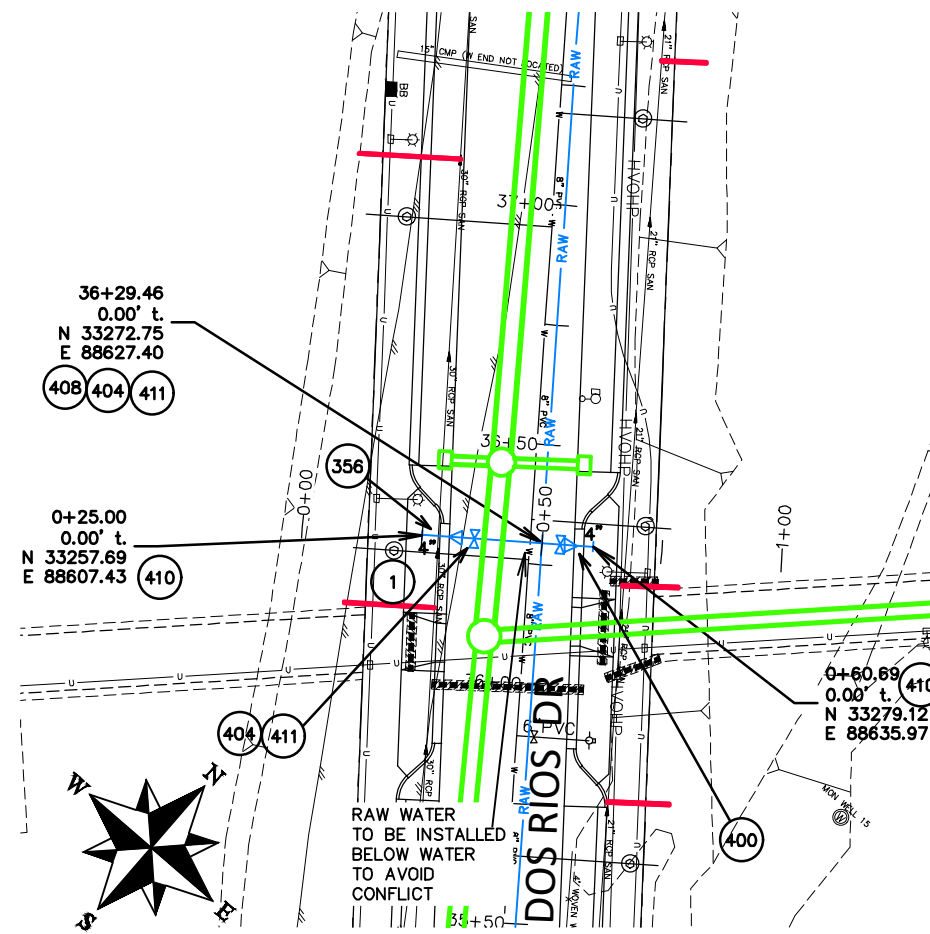
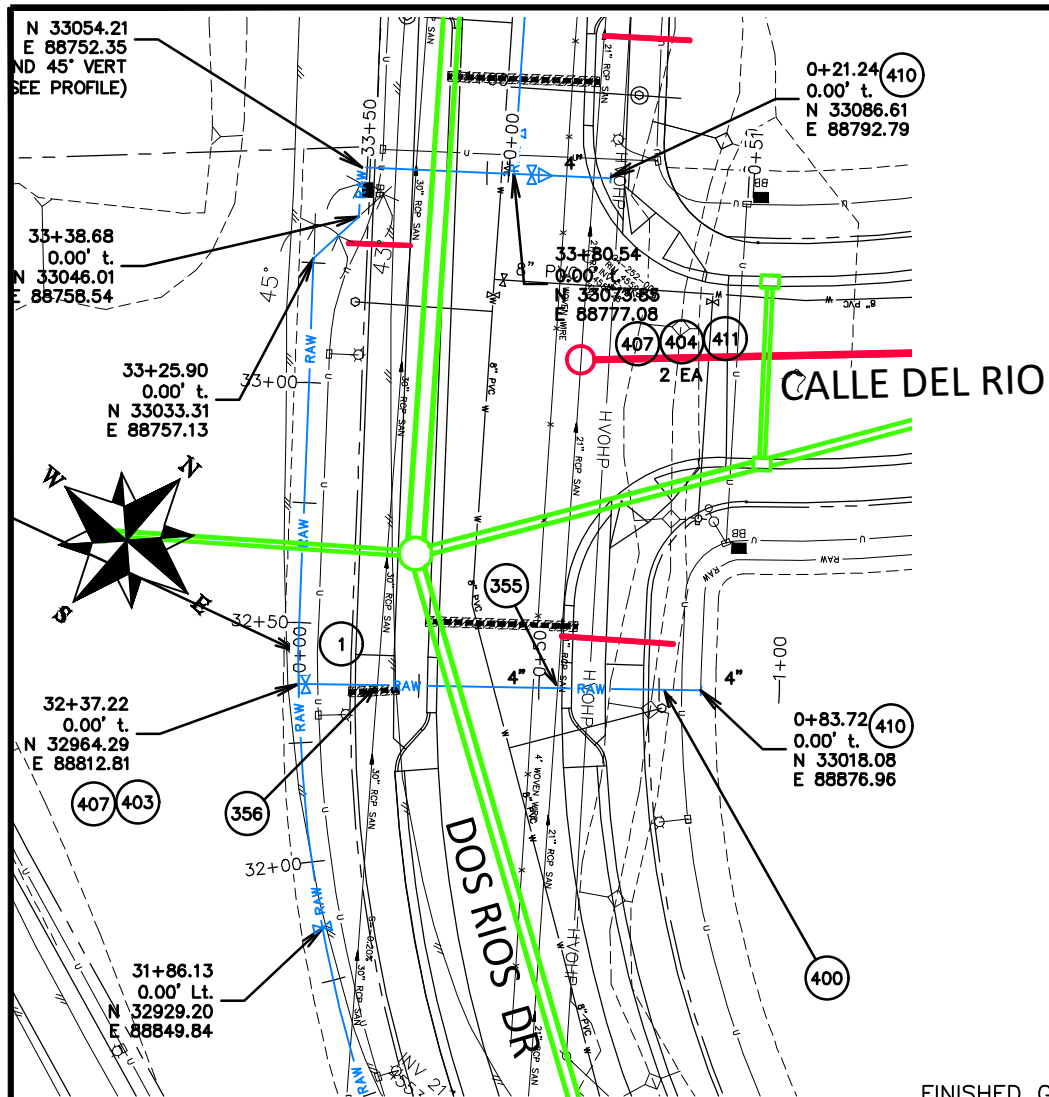
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	0 10 20 HORIZONTAL
REVISION			BH	2020	0 1 4 VERTICAL
REVISION			ICP	2020	



PUBLIC WORKS  
ENGINEERING DIVISION

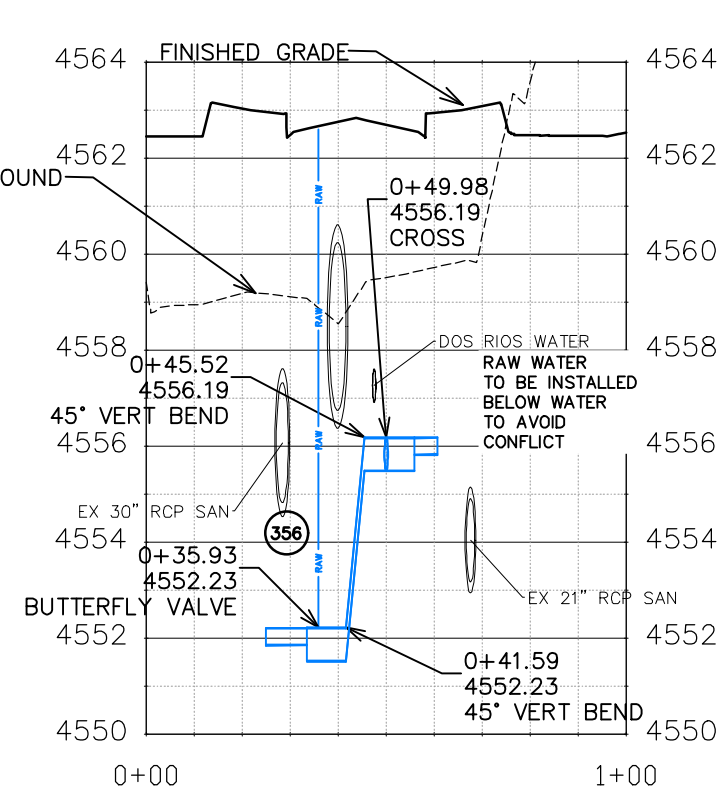
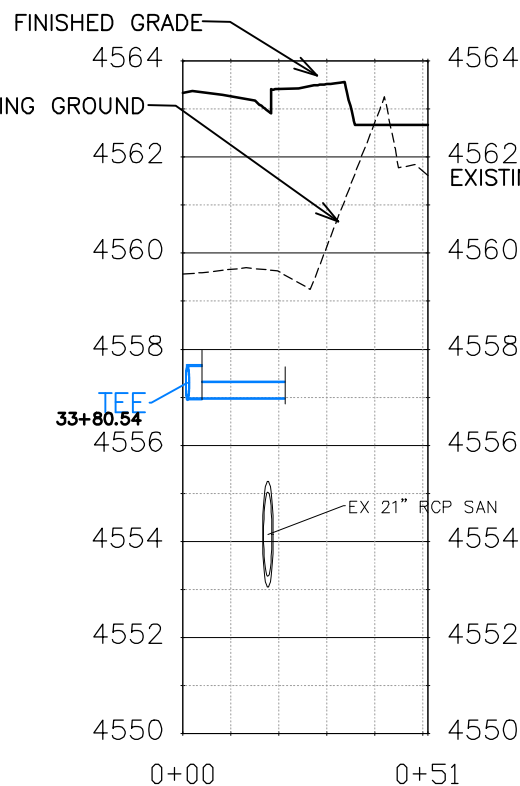
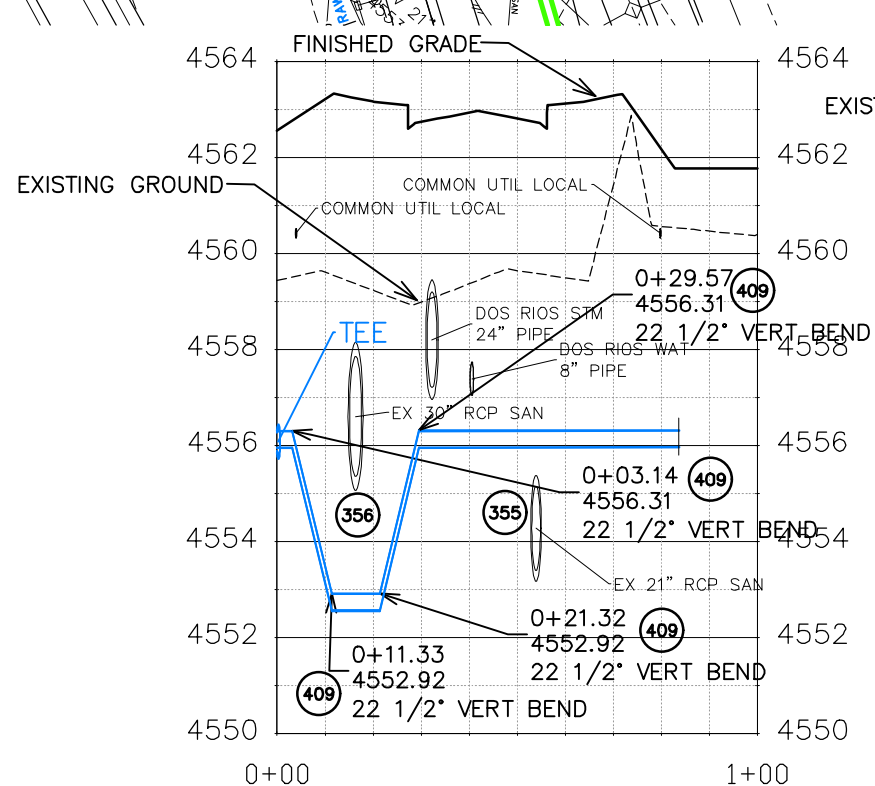
THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - RA13  
June 19, 2020

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**CONSTRUCTION NOTES**

- 1 202 - REMOVAL OF ASPHALT MAT. CUT AND REMOVE ASPHALT AS NEEDED FOR PIPE INSTALLATION.
- 355 104.40 - CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
- 356 104.40 - ENCASE ENTIRE SEWER IN REINFORCED CONCRETE PER STD. DETAIL GU-04. (ALL CASES WHERE WATER LINE BELOW SEWER LINE OR AT WATERWAY CROSSING)
- 400 102.7/108.2 - WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 401 102.7/108.2 - WATER MAIN PIPE (DR-25 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 403 102.8b/108.3 - GATE VALVE. (SIZE AS SHOWN)
- 404 BUTTERFLY VALVE (SIZE AS SHOWN).
- 407 102.8/108.3 - TEE (SIZE AS SHOWN).
- 408 102.8/108.3 - CROSS (SIZE AS SHOWN).
- 409 102.8/108.3 - ELBOW (SIZE AND ANGLE AS SHOWN)
- 410 102.8/108.3 - END CAP/PLUG (SIZE AS SHOWN).
- 411 102.8/108.3 - REDUCER (SIZE AS SHOWN).



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2020	PLAN & PROFILE
REVISION			BH/JCS	2020	0" = 10' HORIZONTAL
REVISION			BH	2020	0" = 4' VERTICAL
REVISION			ICP	2020	



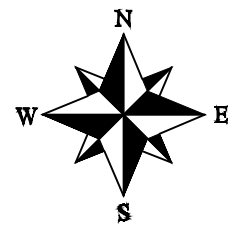
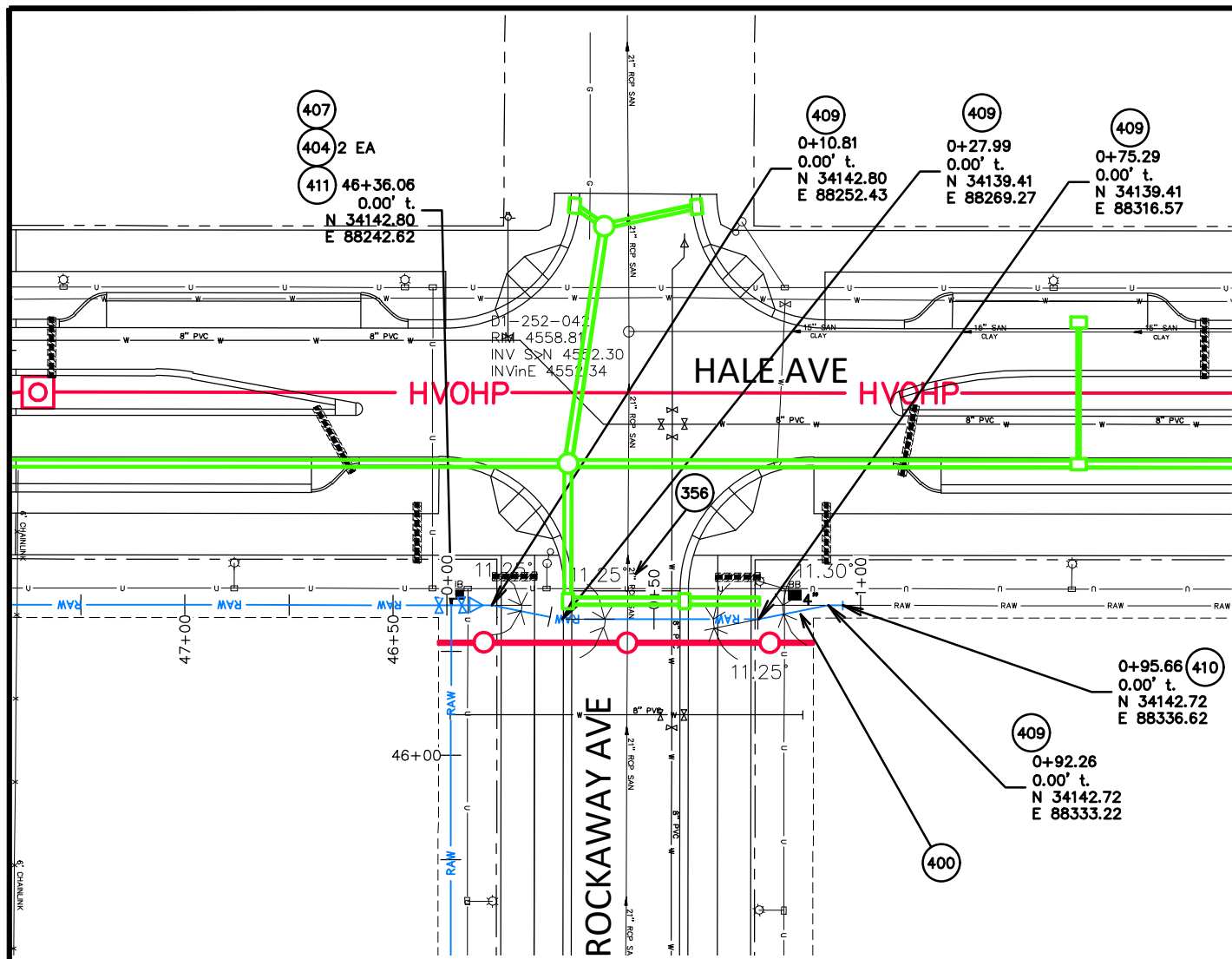
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE - XINGS  
June 19, 2020



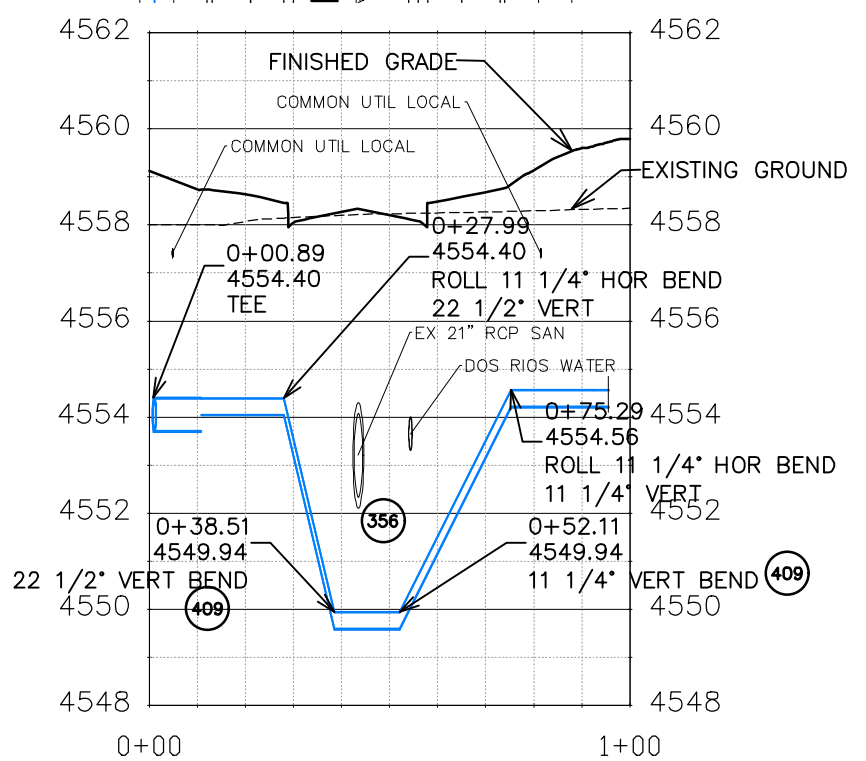
Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.



**CONSTRUCTION NOTES**

- 356 104.40 – ENCASE ENTIRE SEWER IN REINFORCED CONCRETE PER STD. DETAIL GU-04. (ALL CASES WHERE WATER LINE BELOW SEWER LINE OR AT WATERWAY CROSSING)
- 400 102.7/108.2 – WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- 404 BUTTERFLY VALVE (SIZE AS SHOWN).
- 407 102.8/108.3 – TEE (SIZE AS SHOWN).
- 409 102.8/108.3 – ELBOW (SIZE AND ANGLE AS SHOWN)
- 410 102.8/108.3 – END CAP/PLUG (SIZE AS SHOWN).
- 411 102.8/108.3 – REDUCER (SIZE AS SHOWN).



Know what's below.  
Call before you dig.

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE UTILITY PLAN WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

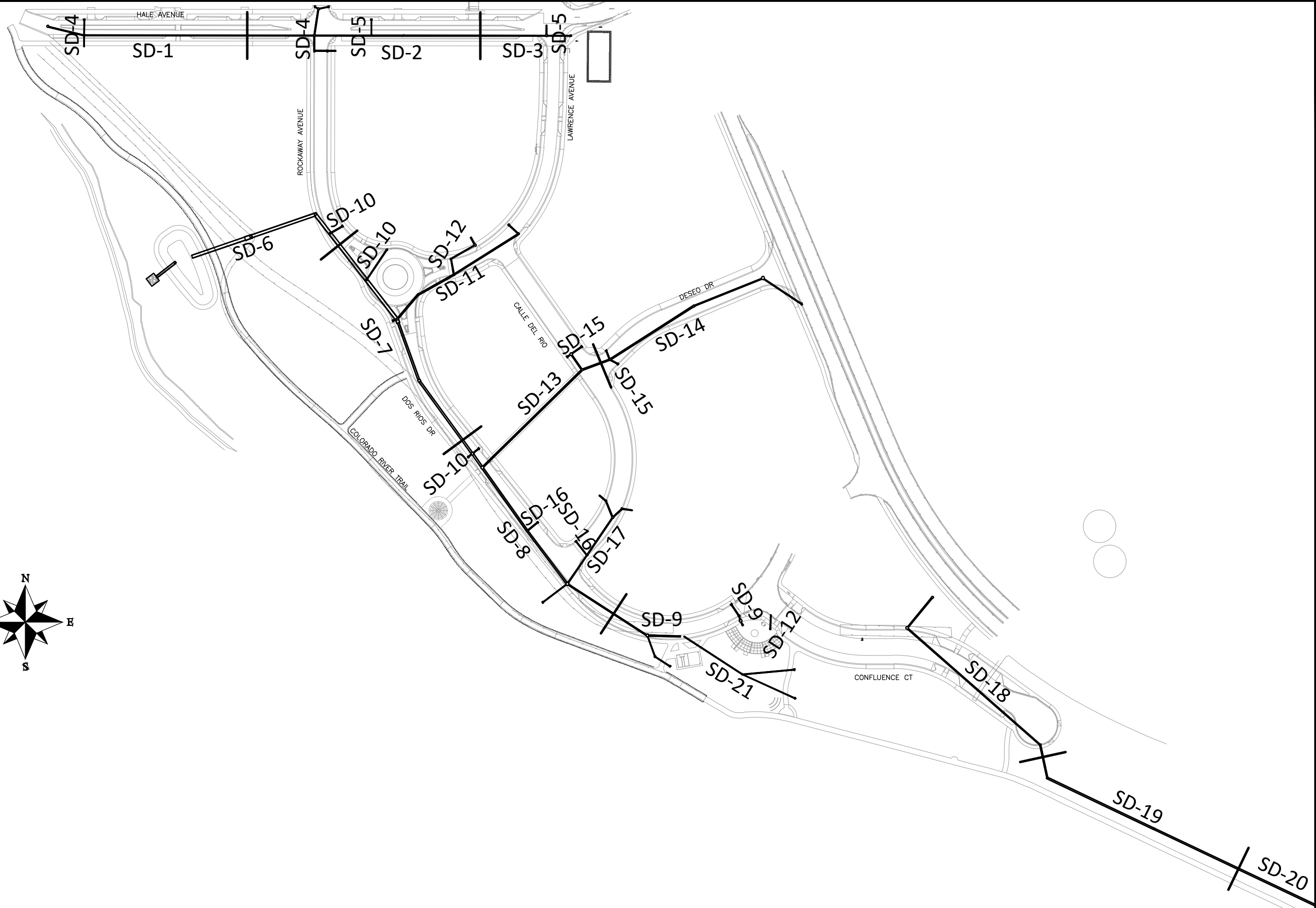
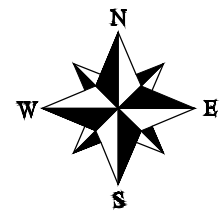
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REVISION			BH/JCS	2020	0 10 20 40 HORIZONTAL
REVISION			BH	2020	0 1 2 4 VERTICAL
REVISION			ICP	2020	



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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
RAW WATER LINE – XINGS  
June 19, 2020

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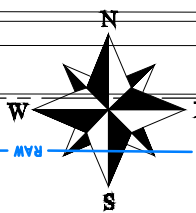
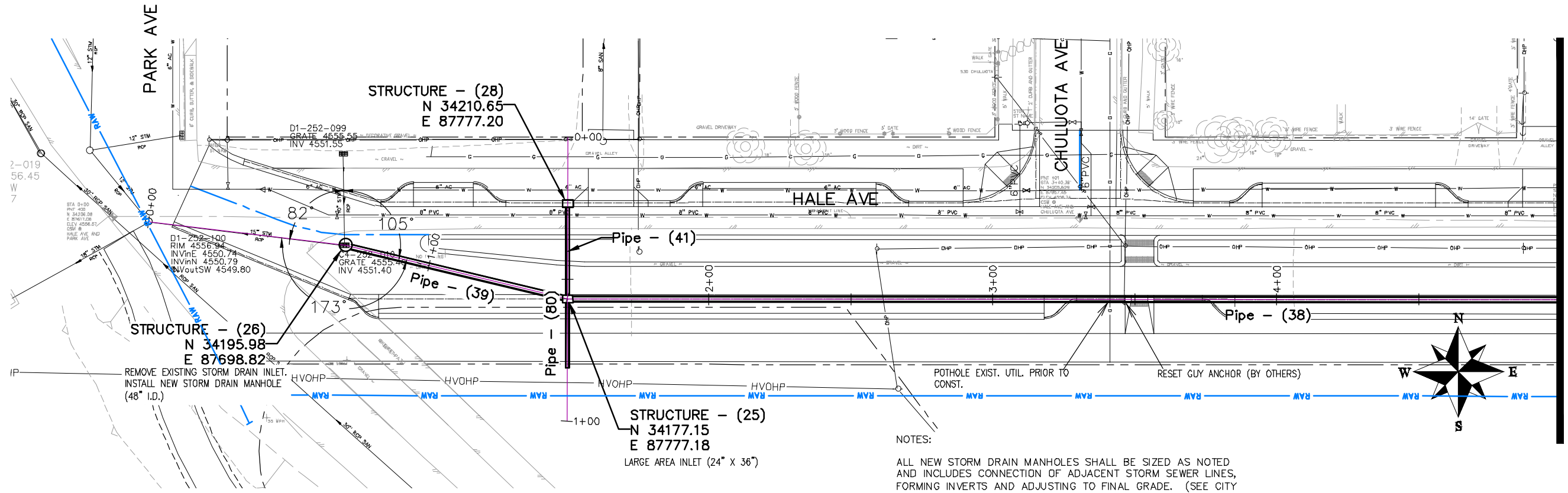
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△			JCS	2019	
△			BH	2019	
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THE RIVERFRONT AT DOS RIOS  
STORM DRAIN SHEET INDEX  
June 19, 2020



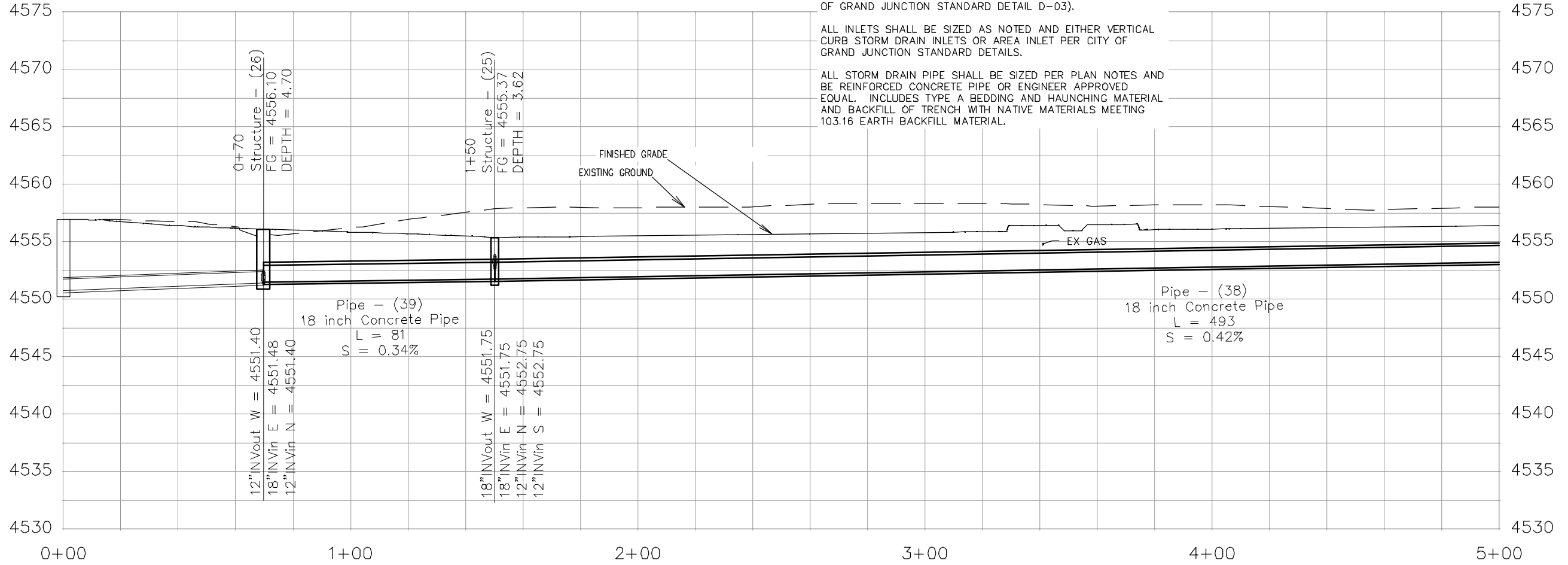


**NOTES:**

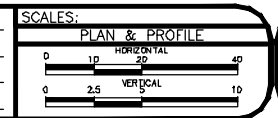
ALL NEW STORM DRAIN MANHOLES SHALL BE SIZED AS NOTED AND INCLUDES CONNECTION OF ADJACENT STORM SEWER LINES, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL D-03).

ALL INLETS SHALL BE SIZED AS NOTED AND EITHER VERTICAL CURB STORM DRAIN INLETS OR AREA INLET PER CITY OF GRAND JUNCTION STANDARD DETAILS.

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			TCP	2019

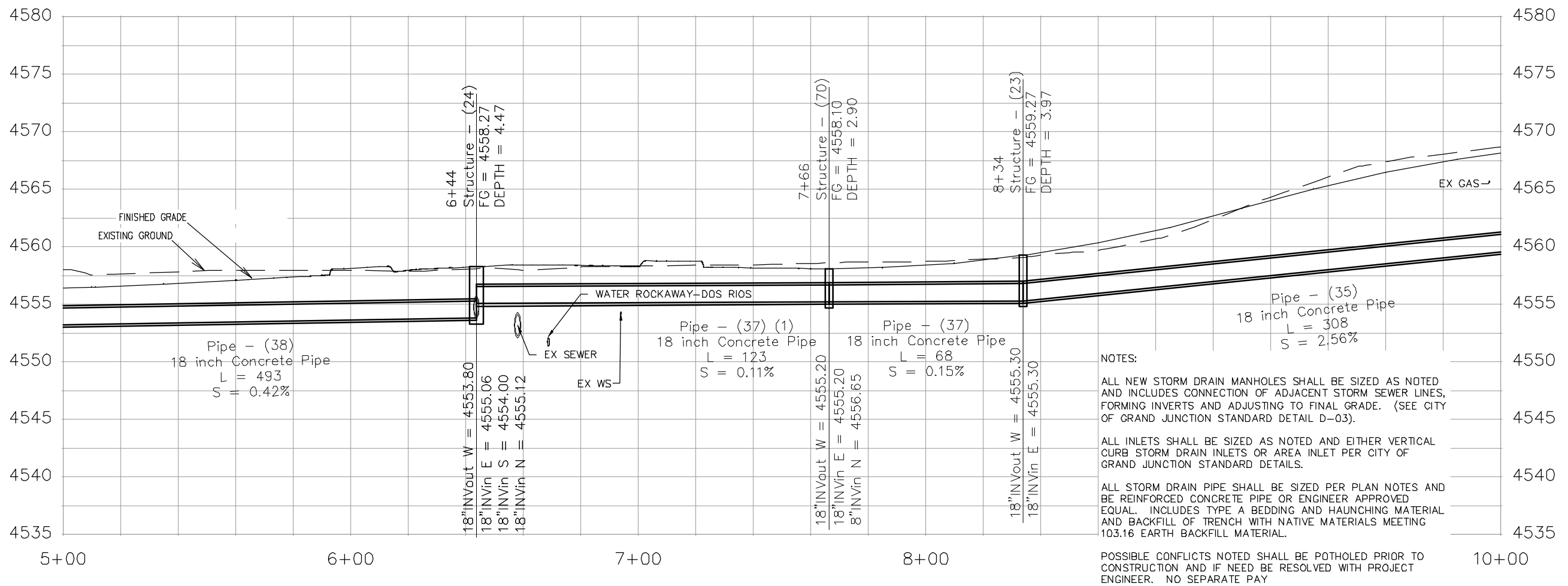
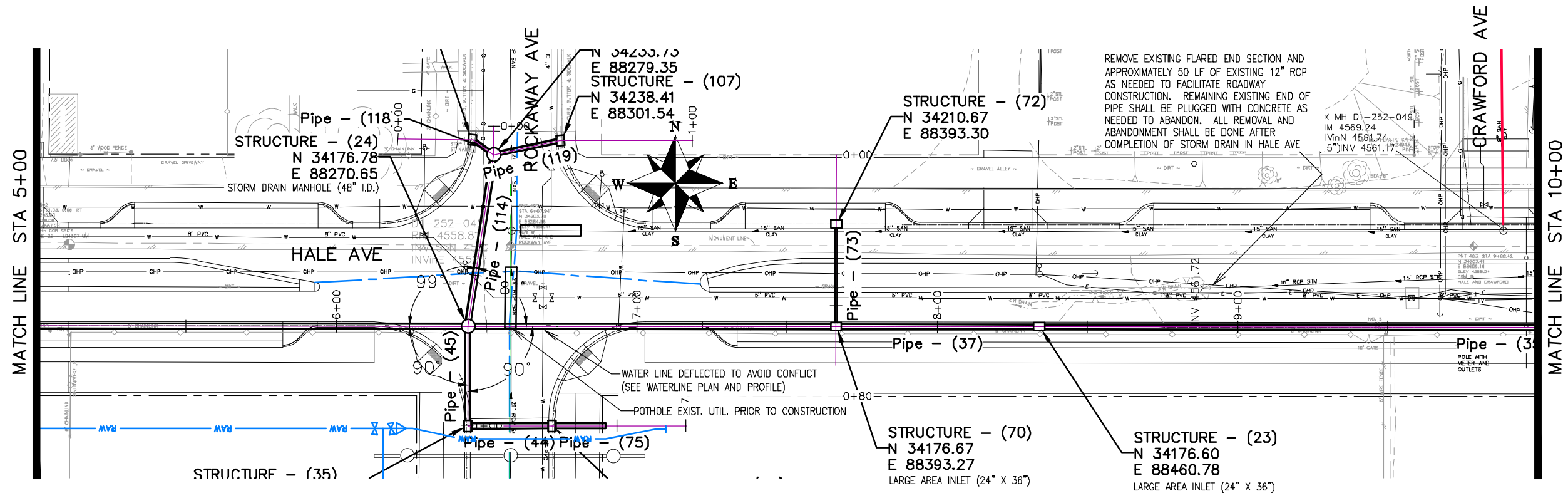


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**THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-1  
June 19, 2020**

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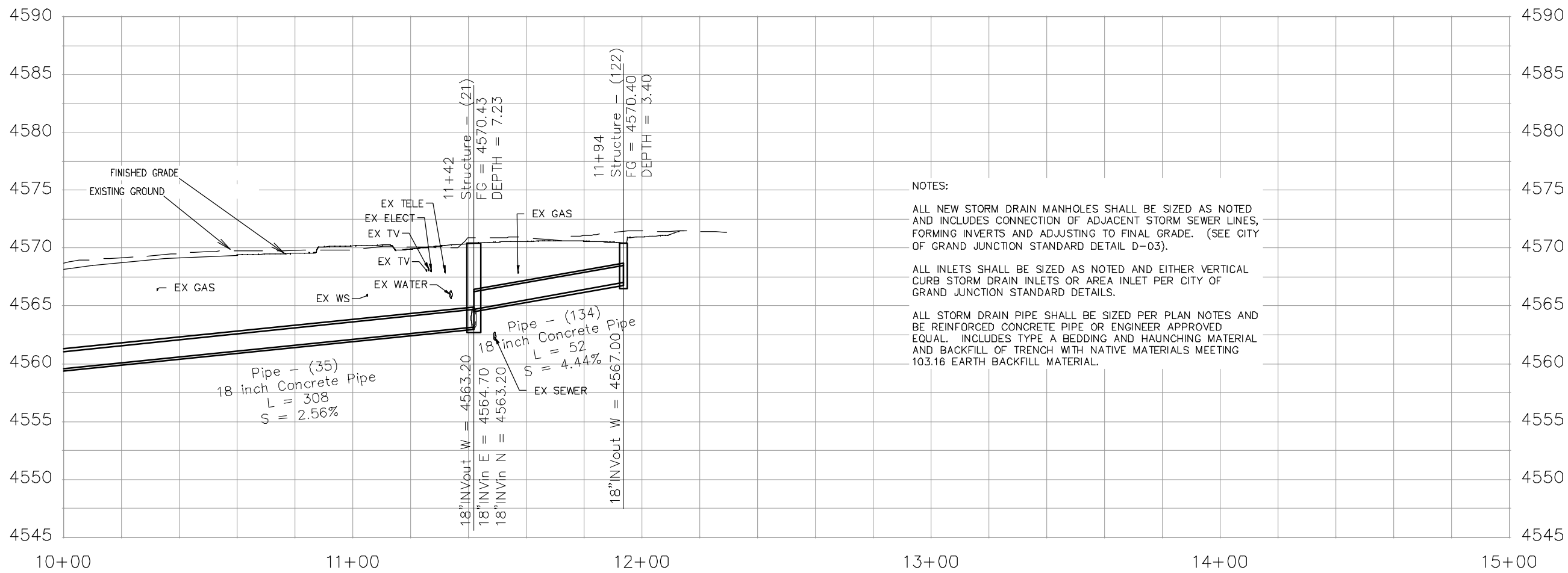
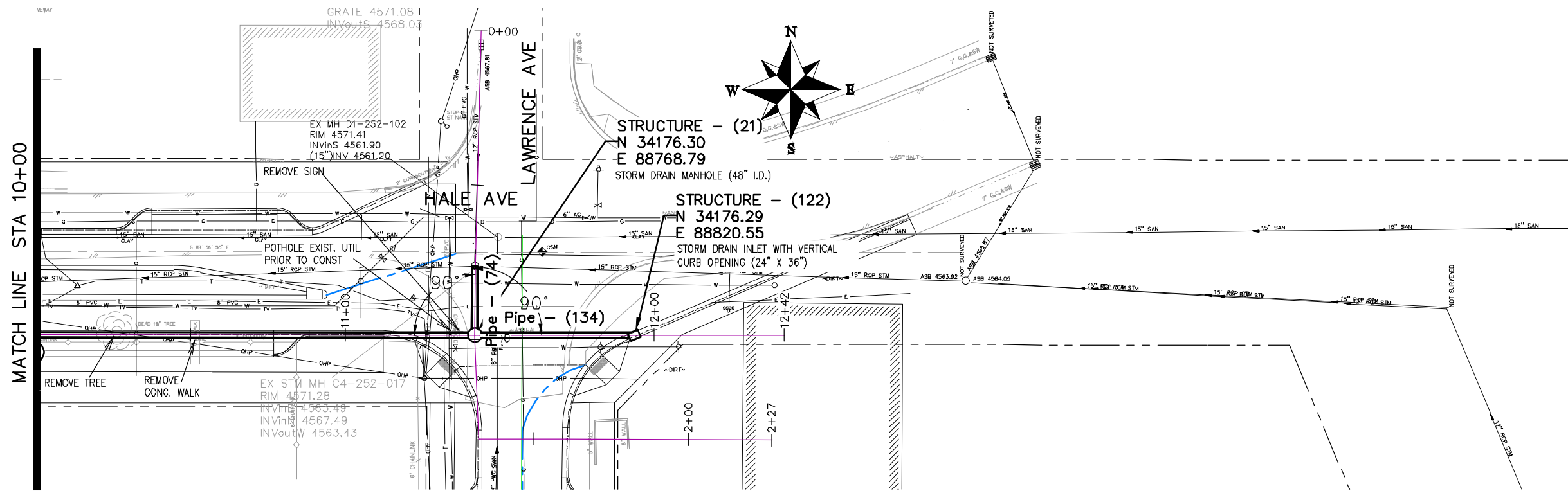
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			TCP	2019

SCALES:
PLAN & PROFILE 0 10 20 40
0 2.5 10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-2  
June 19, 2020



NOTES:

ALL NEW STORM DRAIN MANHOLES SHALL BE SIZED AS NOTED AND INCLUDES CONNECTION OF ADJACENT STORM SEWER LINES, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL D-03).

ALL INLETS SHALL BE SIZED AS NOTED AND EITHER VERTICAL CURB STORM DRAIN INLETS OR AREA INLET PER CITY OF GRAND JUNCTION STANDARD DETAILS.

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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REVISION			BH	2019
REVISION			TCP	2019

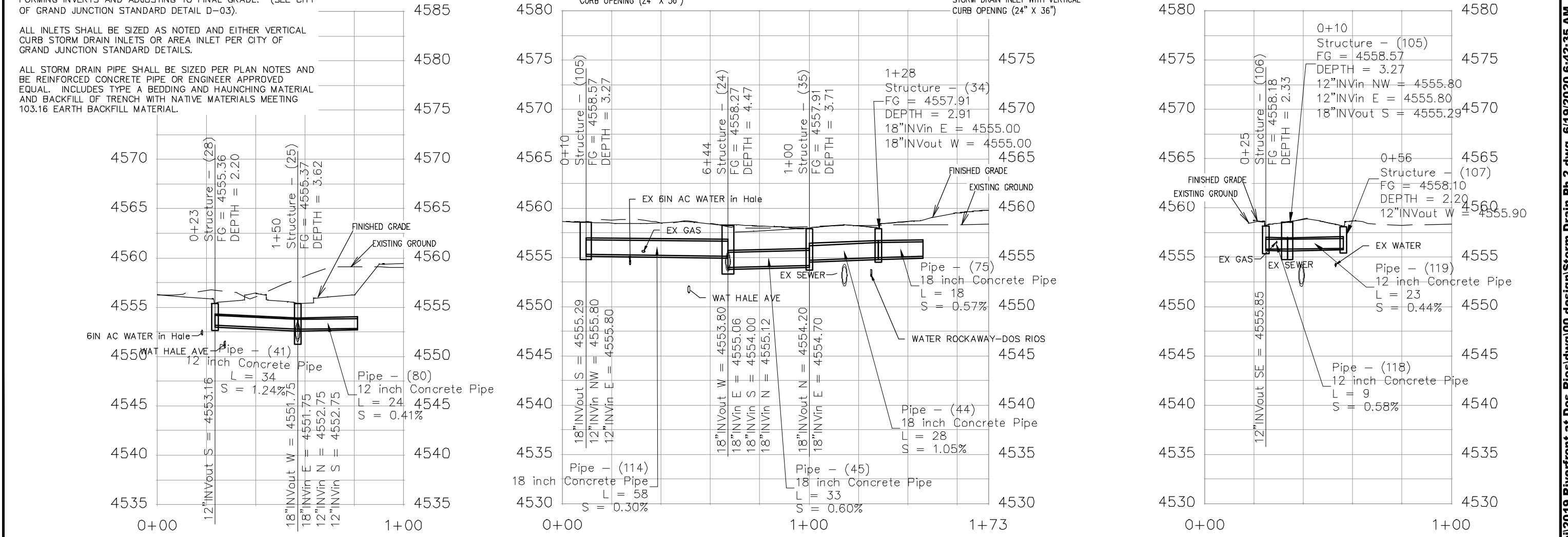
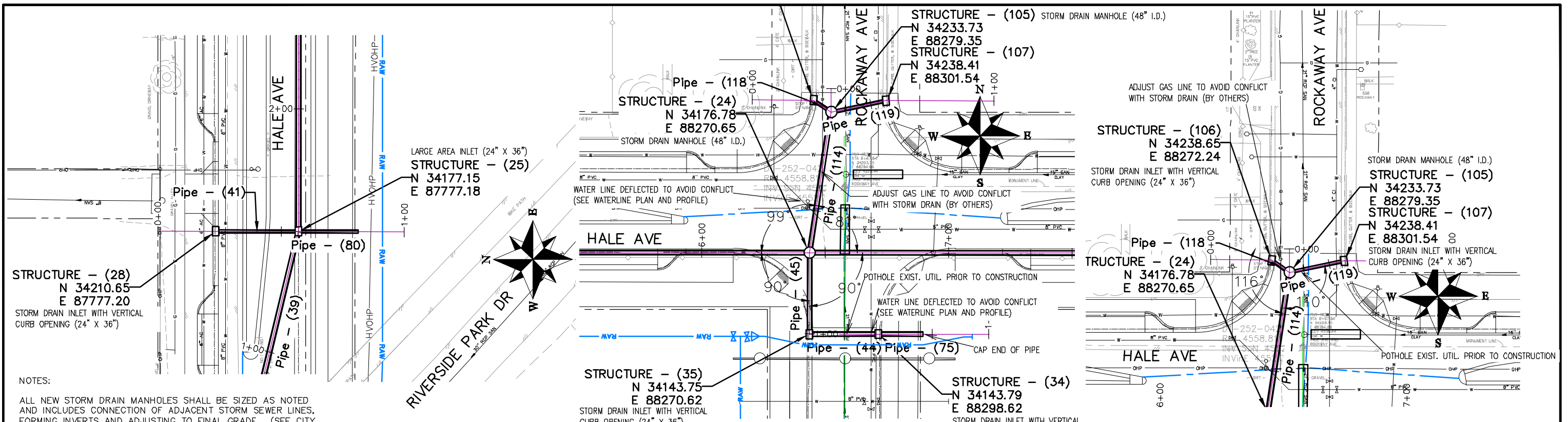
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PLAN & PROFILE 0 10 20 40
VERTICAL 0 2.5 10



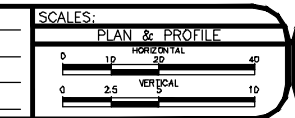
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-3  
June 19, 2020

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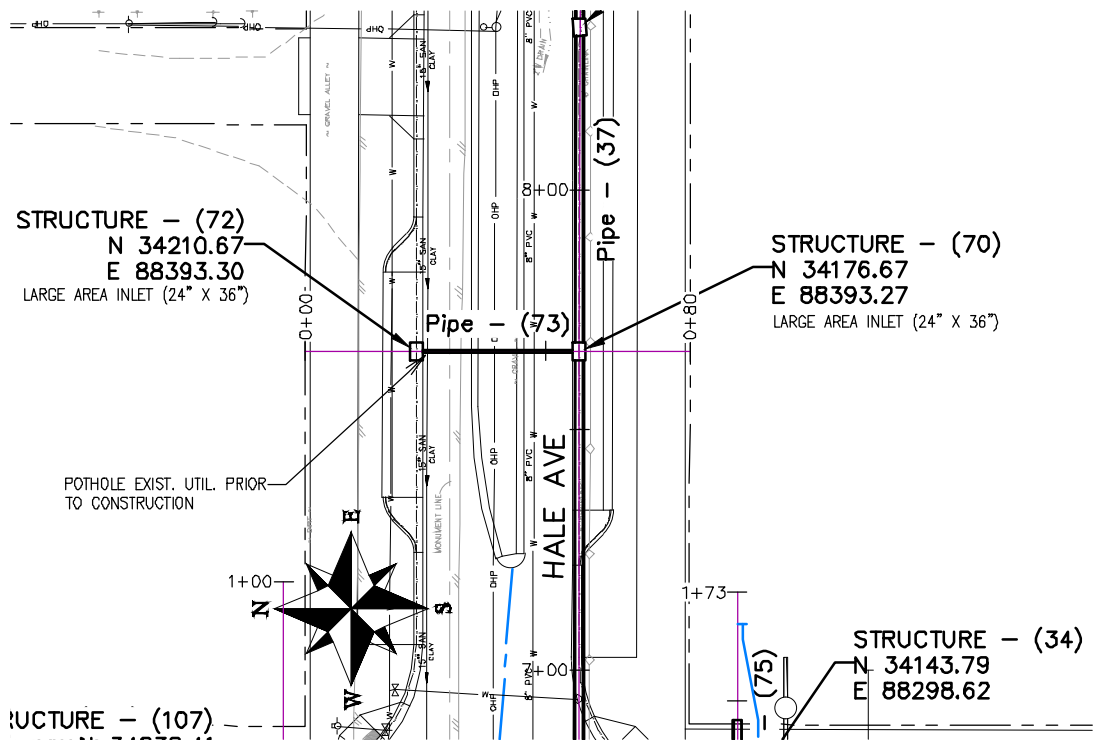
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REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			TCP	2019



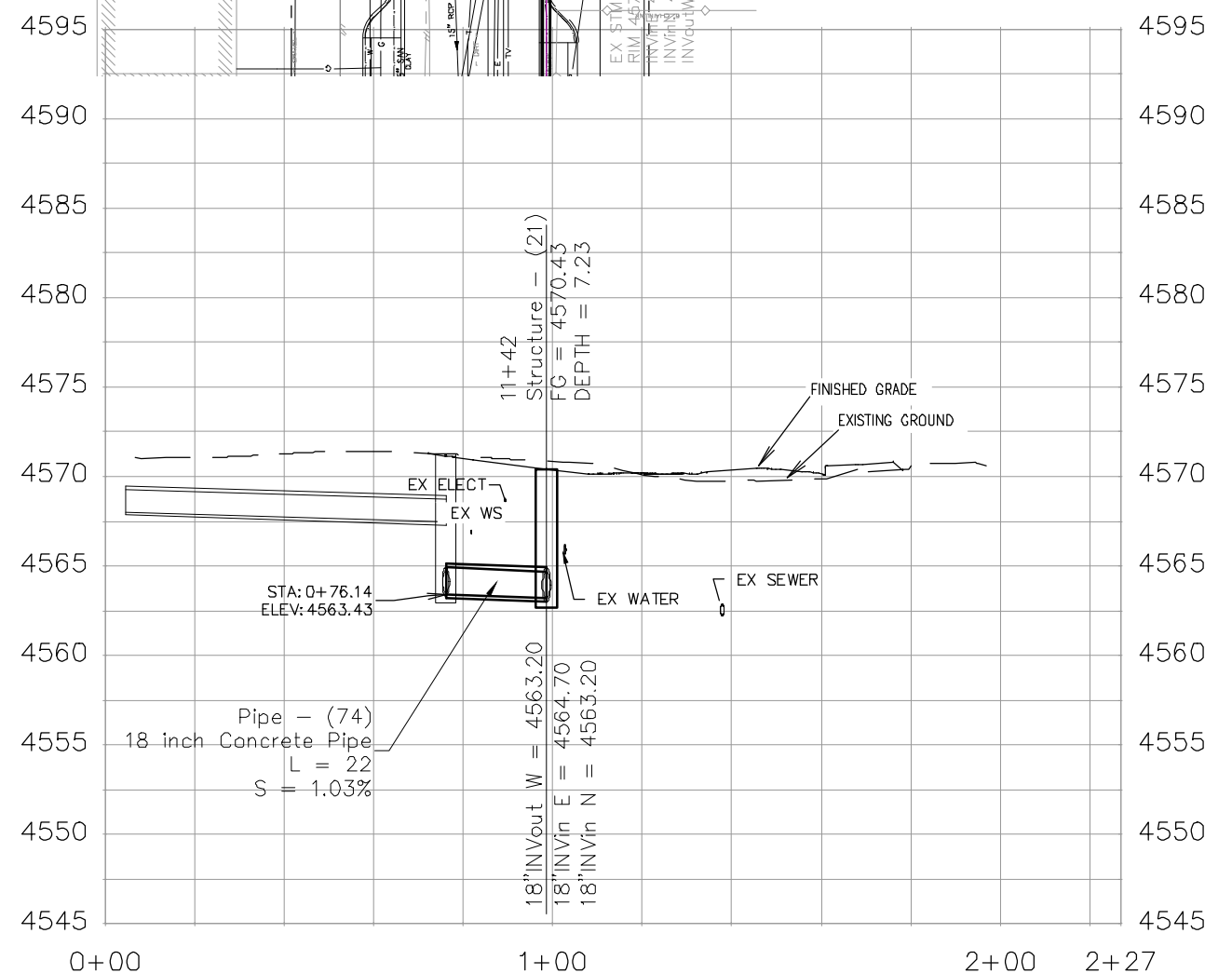
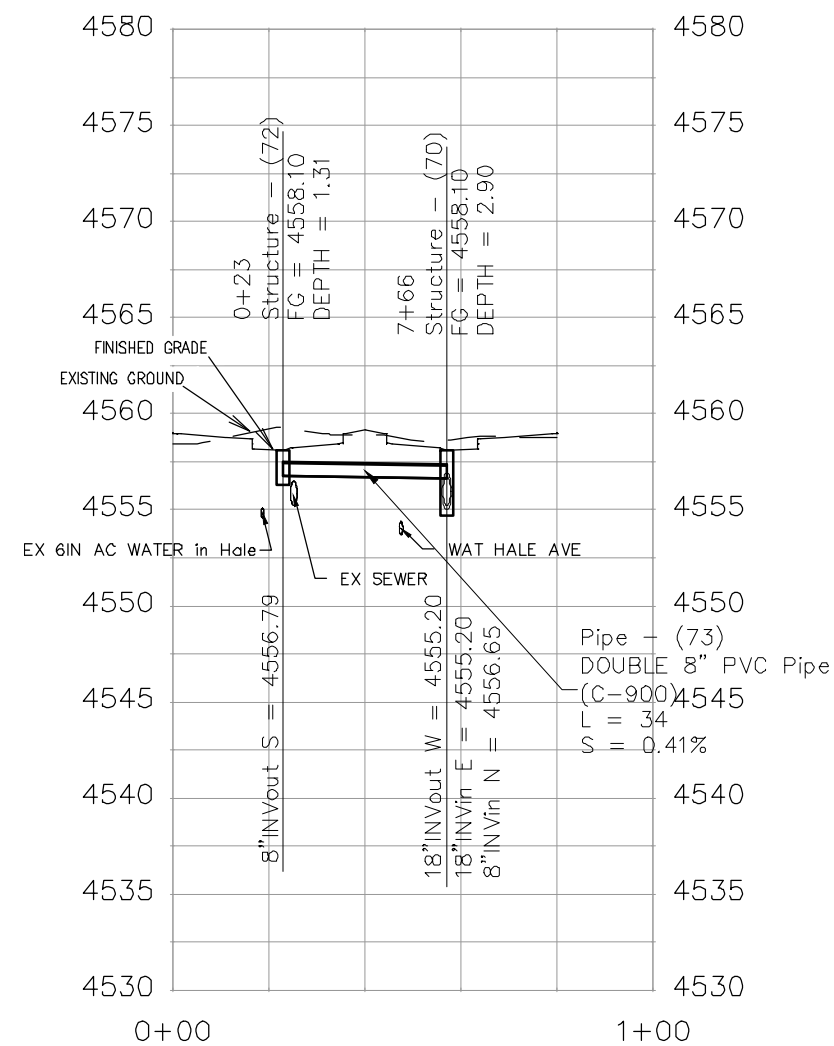
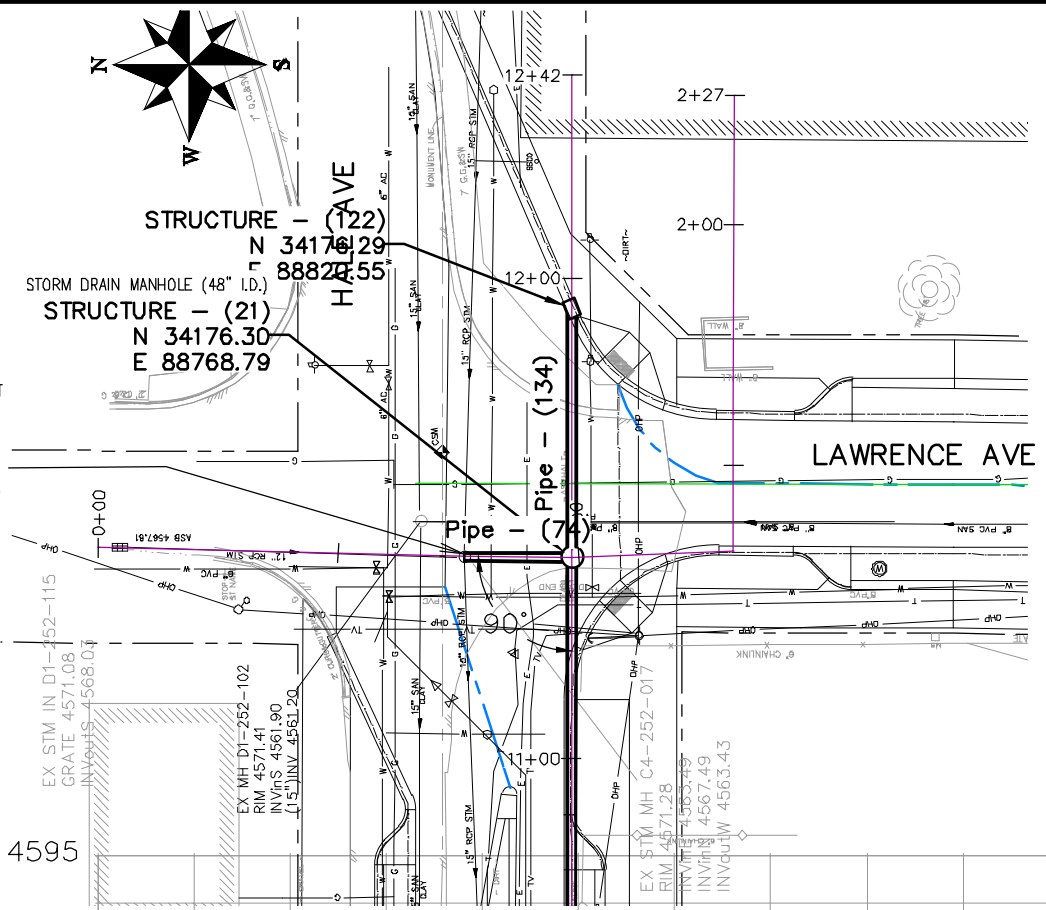
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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-4  
June 19, 2020

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CORE AND CONNECT NEW INVERT OUT TO EXISTING MH, PLUG EXISTING INVERT OUT AFTER COMPLETION OF NEW STORM LINE IN HALE, AND ADJUST MH TO FINISHED GRADE PER CITY STANDARDS AND SPECIFICATIONS. ALL WORK SHALL BE PAID FOR UNDER PAY ITEM CONNECT TO AND ADJUST STORM MH C4-252-017



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2019	PLAN & PROFILE
REVISION			JCS	2019	0 10 20 30 40 HORIZONTAL
REVISION			BH	2019	0 2.5 5 10 VERTICAL
REVISION			TCP	2019	



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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-5  
June 19, 2020

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NOTES:

FLAP GATE SHALL BE A HYDRO gate MODEL 50C ROUND OPENING HEAVY DUTY FLAP GATE OR ENGINEER APPROVED EQUAL.

OUTLET STRUCTURE SHALL BE BUILT PER DETAIL "XXXXXX1" IN THE FINAL DRAINAGE REPORT FOR THE RIVERFRONT AT DOS RIOS BUSINESS PARK, APPENDIX X, WQCV PLATE AND OUTLET STRUCTURE DESIGN AND INCLUDES CONNECTION OF ADJACENT STORM SEWER LINE.

CONFLICT STRUCTURE - IT IS ANTICIPATED THAT AN 84" X 84" CONCRETE BOX CULVERT BE USED WITH THREE DIFFERENT OPENING POINTS - ONE FOR THE 72" X 24" CONCRETE BOX CULVERT STORM PIPE "FLOW THROUGH" THE SECOND FOR THE EXISTING 30" RCP SANITARY SEWER (PIPE TO REMAIN INSIDE THE STRUCTURE) AND LASTLY FOR MAINTENANCE AN ACCESS MANHOLE POSITIONED ON TOP. CONTRACTOR SHALL SUPPLY SHOP DRAWINGS TO PROJECT ENGINEER THAT ILLUSTRATE MEANS, METHODS, AND MATERIALS TO BE APPROVED PRIOR TO CONSTRUCTION.

NOTES:

ACCESS MANHOLES SHALL BE ACCOMPLISHED USING 48" MANHOLE BARREL SECTION, ECCENTRIC CONE SECTION OR FLAT TOP LID, GRADE RINGS, AND RING & COVERS. ALL APPURTENANCES CAN EITHER BE BUILT UP IN FIELD BY CORING AND CONNECTING TO PIPE OR BE PRECAST. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER IF PRECAST. SEE CITY OF GRAND JUNCTION STANDARD D-03, D-04, AND D-12 FOR ADDITIONAL INFORMATION

COLORADO RIVER

CONCRETE HEADWALL (8'-9" WIDE X 9'-2" HEIGHT) PER CDOT M&S STANDARD PLAN M-601-10 AND FLAP GATE.

STRUCTURE - (118)  
N 33658.91  
E 87932.36

OUTLET STRUCT  
N 33689.83  
E 87972.17

CONFLICT STRUCTURE

STRUCTURE - (8)  
N 33793.07  
E 88273.01  
ACCESS MANHOLE

STRUCTURE - (113)  
N 33745.52  
E 88134.40  
ACCESS MANHOLE

STRUCTURE - (51)  
N 33752.35  
E 88304.36  
ACCESS INLET  
(24" X 36" I.D.)  
(VERTICAL CURB  
OPENING)

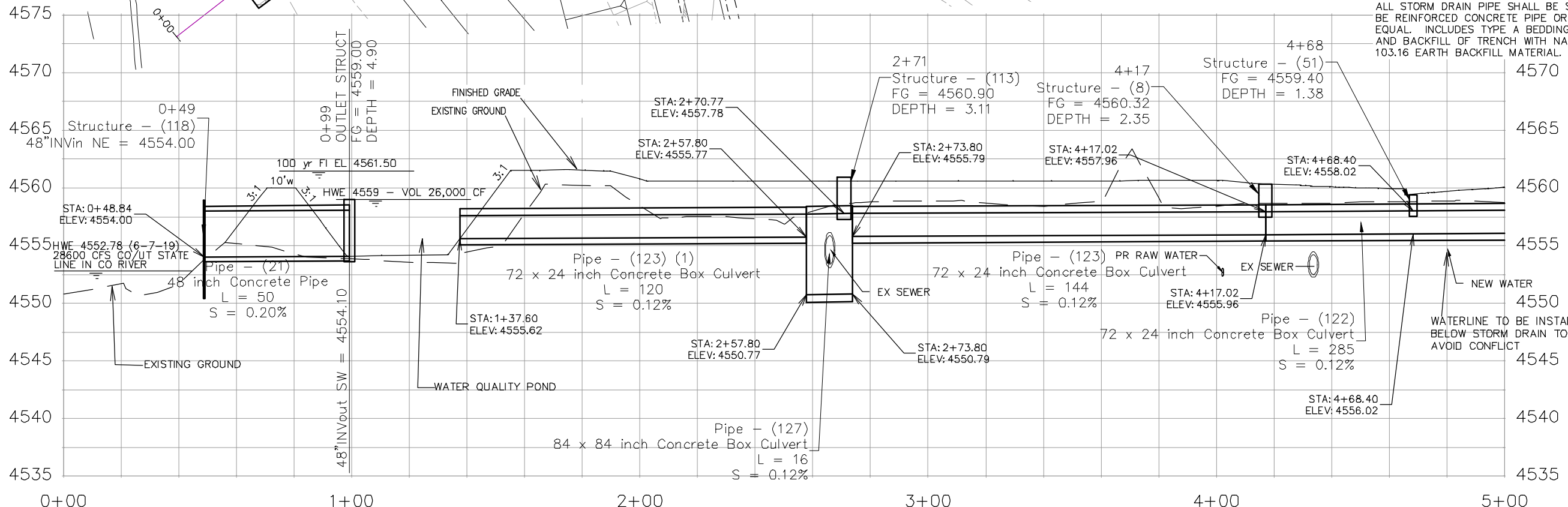
WATERLINE TO BE  
INSTALLED BELOW STORM  
DRAIN TO AVOID  
CONFLICT

NOTES:

ACCESS INLETS SHALL BE ACCOMPLISHED USING 24" X 36" I.D. CONCRETE BOX, AND EITHER VERTICAL CURB OPENING OR AREA INLET FRAME AND GRATE AS NOTED. ALL APPURTENANCES CAN EITHER BE BUILT UP IN FIELD BY CORING AND CONNECTING TO PIPE OR BE PRECAST. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER IF PRECAST. SEE CITY OF GRAND JUNCTION STANDARD D-02, D-07, D-10 AND D-12 FOR ADDITIONAL INFORMATION

PREFABRICATED PIPE ELBOWS - SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER.

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			TCP	2019

SCALES:

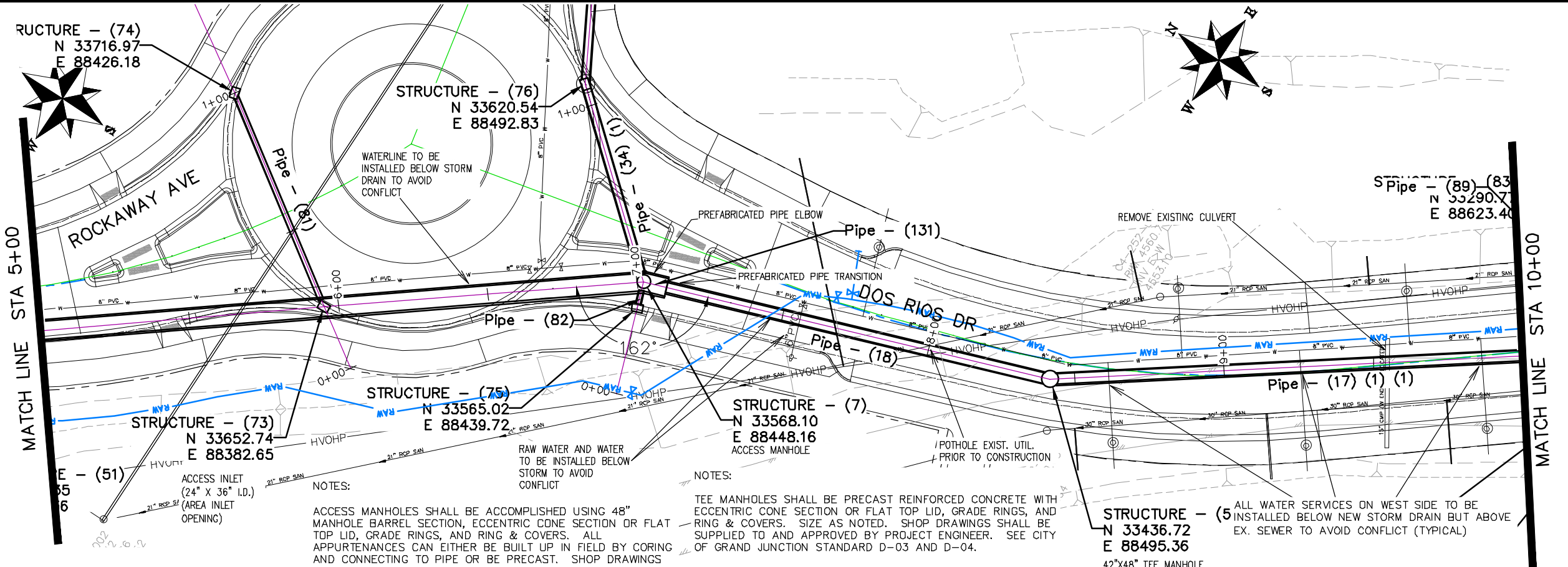
0	10	HORIZONTAL	40
0	2.5	VERTICAL	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-6  
June 19, 2020

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NOTES:

ACCESS INLETS SHALL BE ACCOMPLISHED USING 24" X 36" I.D. CONCRETE BOX, AND EITHER VERTICAL CURB OPENING OR AREA INLET FRAME AND GRATE AS NOTED. ALL APPURTENANCES CAN EITHER BE BUILT UP IN FIELD BY CORING AND CONNECTING TO PIPE OR BE PRECAST. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER IF PRECAST. SEE CITY OF GRAND JUNCTION STANDARD D-02, D-07, D-10 AND D-12 FOR ADDITIONAL INFORMATION

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

NOTES:

ACCESS MANHOLES SHALL BE ACCOMPLISHED USING 48" MANHOLE BARREL SECTION, ECCENTRIC CONE SECTION OR FLAT TOP LID, GRADE RINGS, AND RING & COVERS. ALL APPURTENANCES CAN EITHER BE BUILT UP IN FIELD BY CORING AND CONNECTING TO PIPE OR BE PRECAST. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER IF PRECAST. SEE CITY OF GRAND JUNCTION STANDARD D-03, D-04, AND D-12 FOR ADDITIONAL INFORMATION

NOTES:

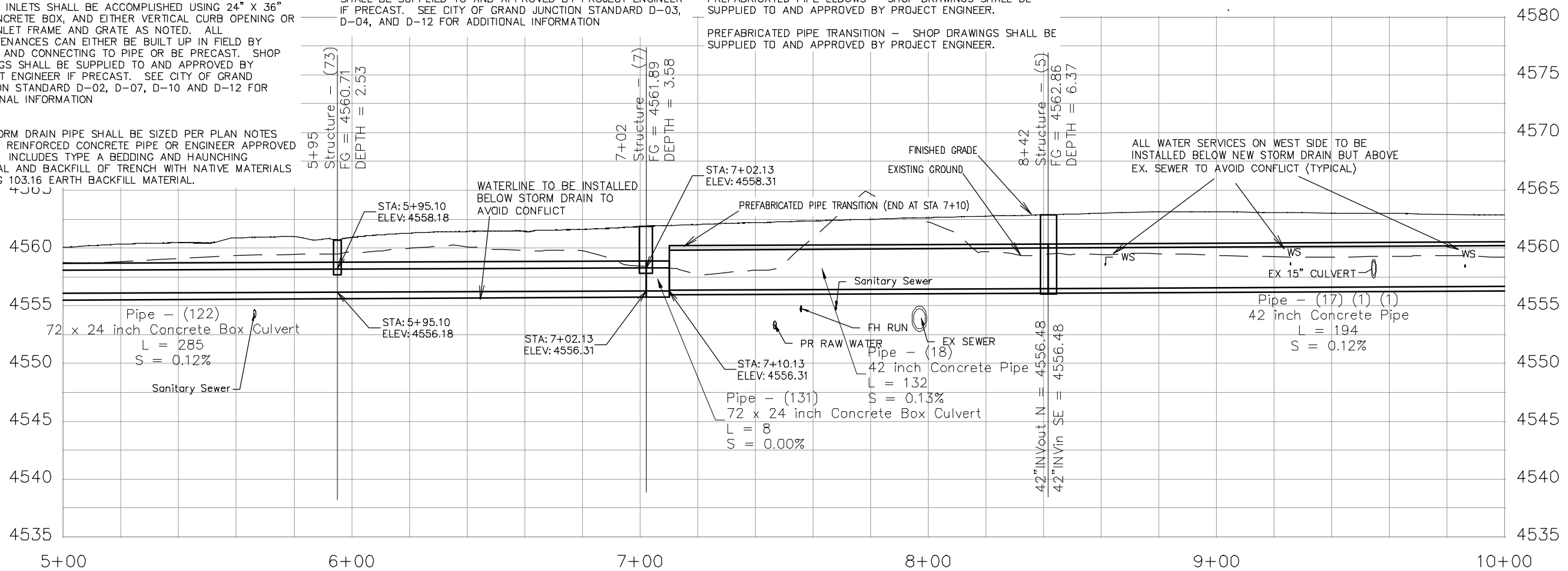
TEE MANHOLES SHALL BE PRECAST REINFORCED CONCRETE WITH ECCENTRIC CONE SECTION OR FLAT TOP LID, GRADE RINGS, AND RING & COVERS. SIZE AS NOTED. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER. SEE CITY OF GRAND JUNCTION STANDARD D-03 AND D-04.

PREFABRICATED PIPE ELBOWS - SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER.

PREFABRICATED PIPE TRANSITION - SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER.

STRUCTURE - (5)  
N 33436.72  
E 88495.36  
42"x48" TEE MANHOLE

ALL WATER SERVICES ON WEST SIDE TO BE INSTALLED BELOW NEW STORM DRAIN BUT ABOVE EX. SEWER TO AVOID CONFLICT (TYPICAL)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			TCP	2019

SCALE	DESCRIPTION
1" = 20'	HORIZONTAL
1" = 2.5'	VERTICAL

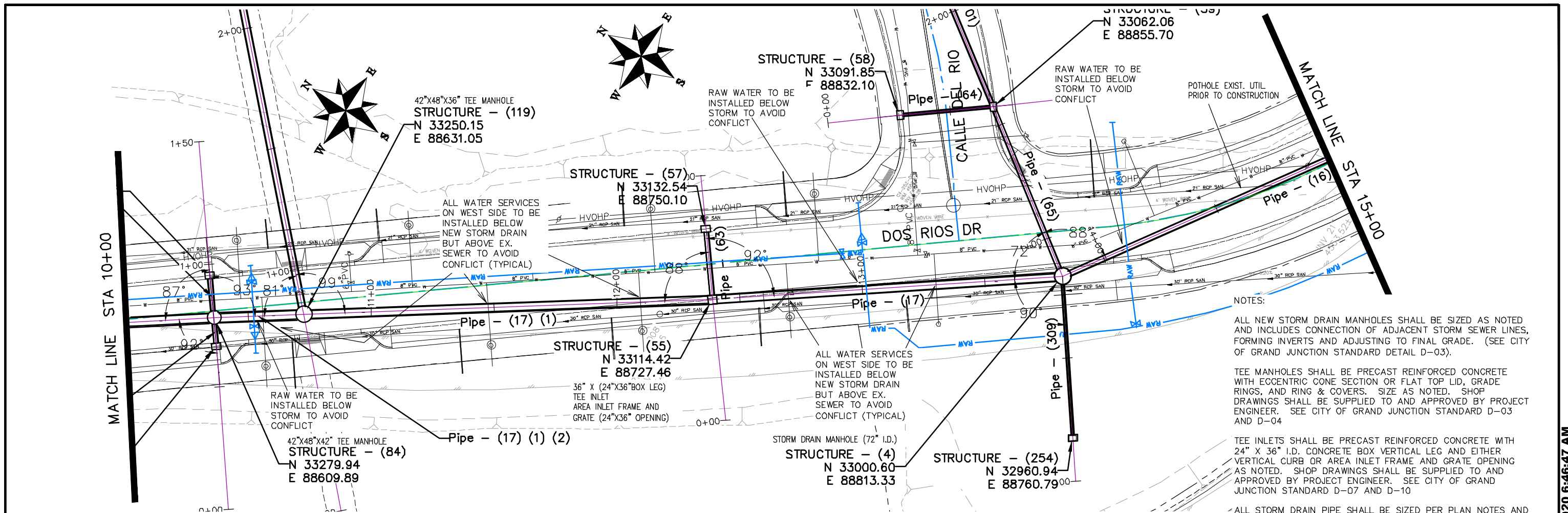


**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-7  
June 19, 2020**

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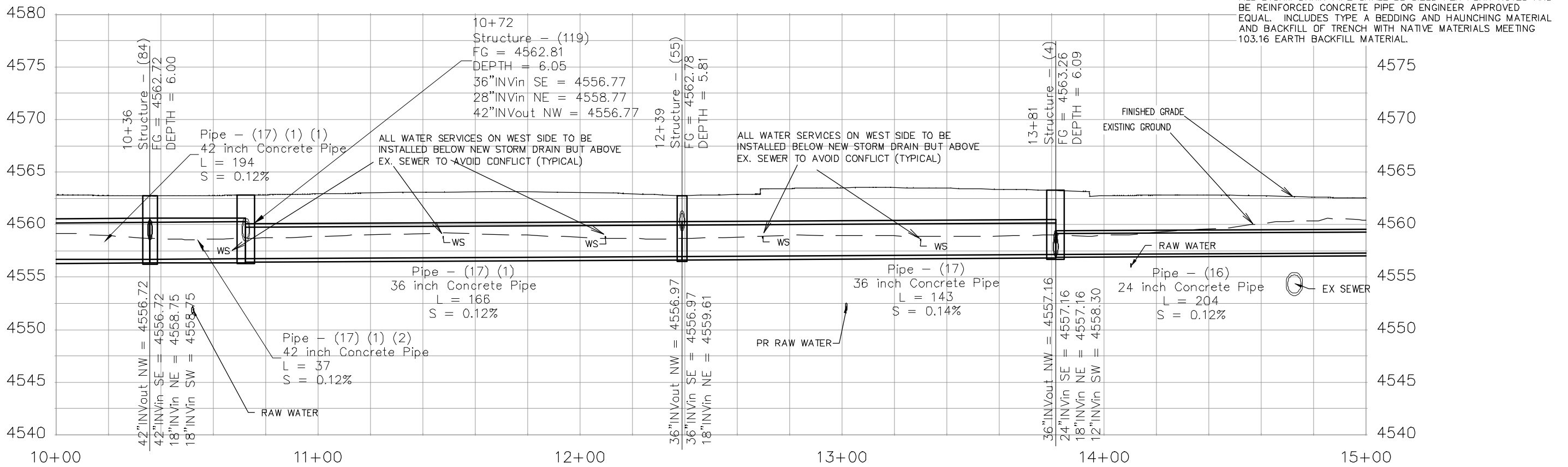
**NOTES:**

ALL NEW STORM DRAIN MANHOLES SHALL BE SIZED AS NOTED AND INCLUDES CONNECTION OF ADJACENT STORM SEWER LINES, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL D-03).

TEE MANHOLES SHALL BE PRECAST REINFORCED CONCRETE WITH ECCENTRIC CONE SECTION OR FLAT TOP LID, GRADE RINGS, AND RING & COVERS. SIZE AS NOTED. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER. SEE CITY OF GRAND JUNCTION STANDARD D-03 AND D-04

TEE INLETS SHALL BE PRECAST REINFORCED CONCRETE WITH 24" X 36" I.D. CONCRETE BOX VERTICAL LEG AND EITHER VERTICAL CURB OR AREA INLET FRAME AND GRATE OPENING AS NOTED. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER. SEE CITY OF GRAND JUNCTION STANDARD D-07 AND D-10

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			TCP	2019

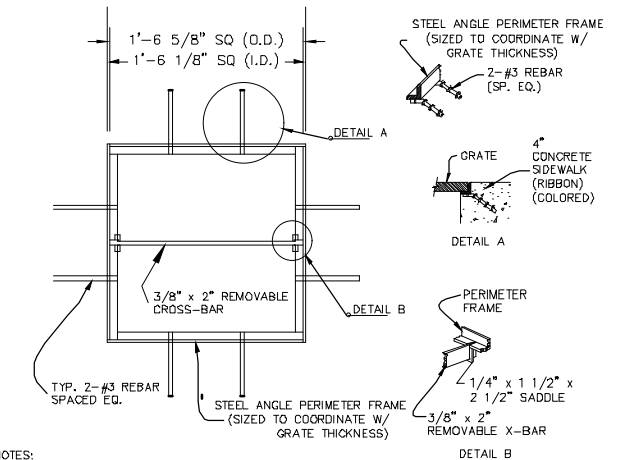
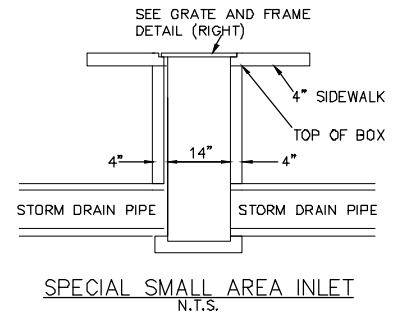
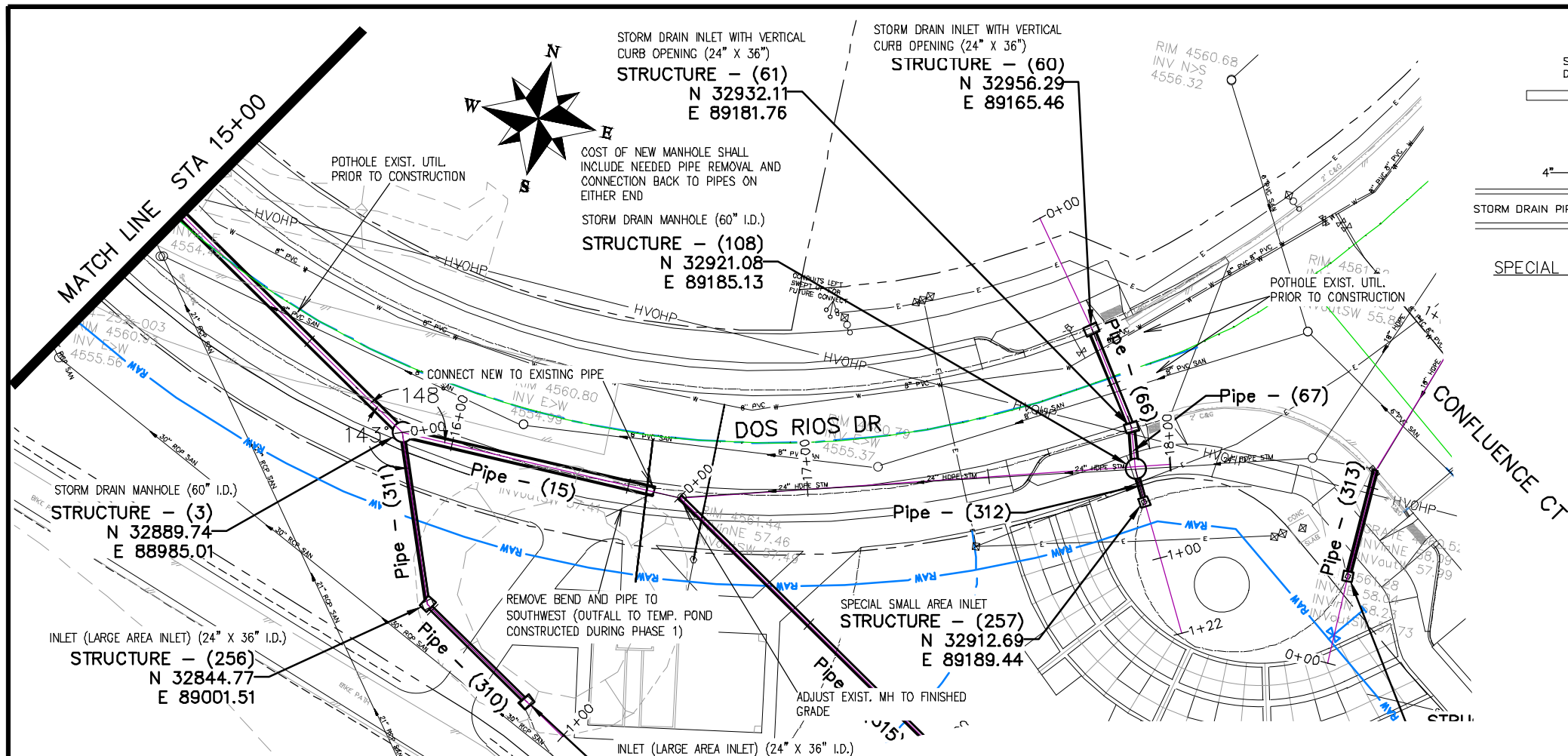
SCALES:  
 0 10 20 40 HORIZONTAL  
 0 2.5 5 10 VERTICAL

**CITY OF Grand Junction COLORADO**

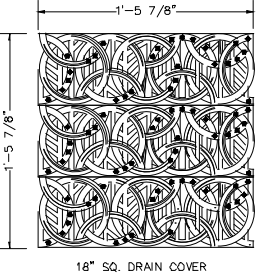
**PUBLIC WORKS ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS STORM DRAIN PH 2 - SD-8**  
June 19, 2020

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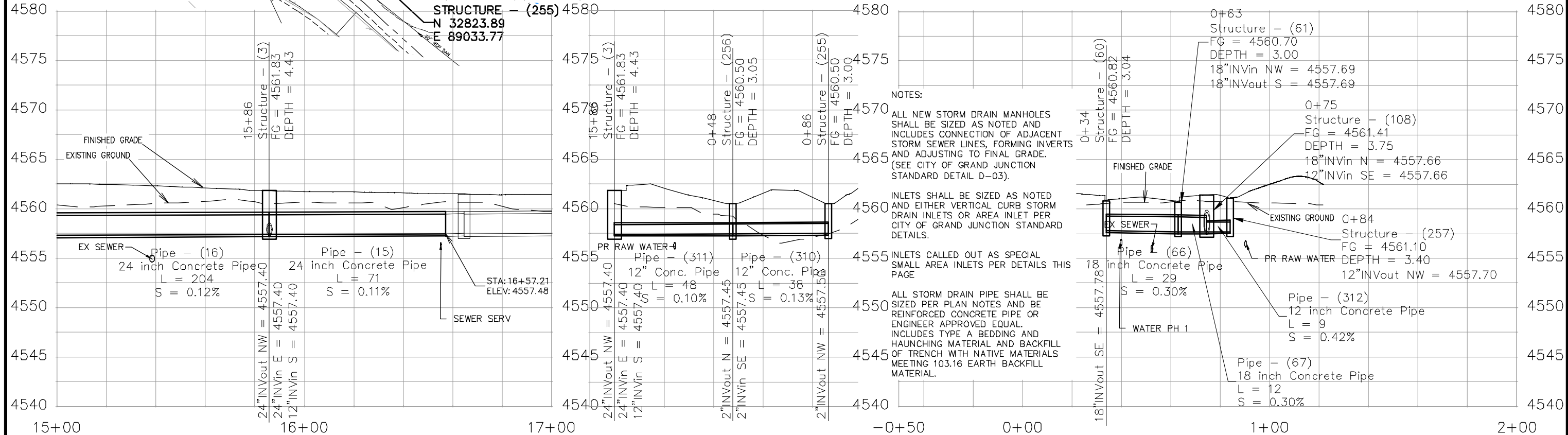


- NOTES:
1. DUCTILE IRON/ NATURAL FINISH
  2. CAST IN ONE PIECE, 3/4" THICK
  3. NO OPENINGS GREATER THAN 3/8"



- NOTE
1. URBAN ACCESSORIES 18 INCH SQ. MEDIUM DUTY "S" FRAME OR APPROVED EQUAL.
  2. URBAN ACCESSORIES OT TITLE-24, 18 INCH SQ. DRAIN COVER OR APPROVED EQUAL.

GRATE FRAME FOR SPECIAL SMALL AREA INLET



- NOTES:
1. ALL NEW STORM DRAIN MANHOLES SHALL BE SIZED AS NOTED AND INCLUDES CONNECTION OF ADJACENT STORM SEWER LINES, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL D-03).
  2. INLETS SHALL BE SIZED AS NOTED AND EITHER VERTICAL CURB STORM DRAIN INLETS OR AREA INLET PER CITY OF GRAND JUNCTION STANDARD DETAILS.
  3. INLETS CALLED OUT AS SPECIAL SMALL AREA INLETS PER DETAILS THIS PAGE
  4. ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			TCP	2019

SCALES:

0	10	40
HORIZONTAL		
0	2.5	10
VERTICAL		



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-9  
June 19, 2020

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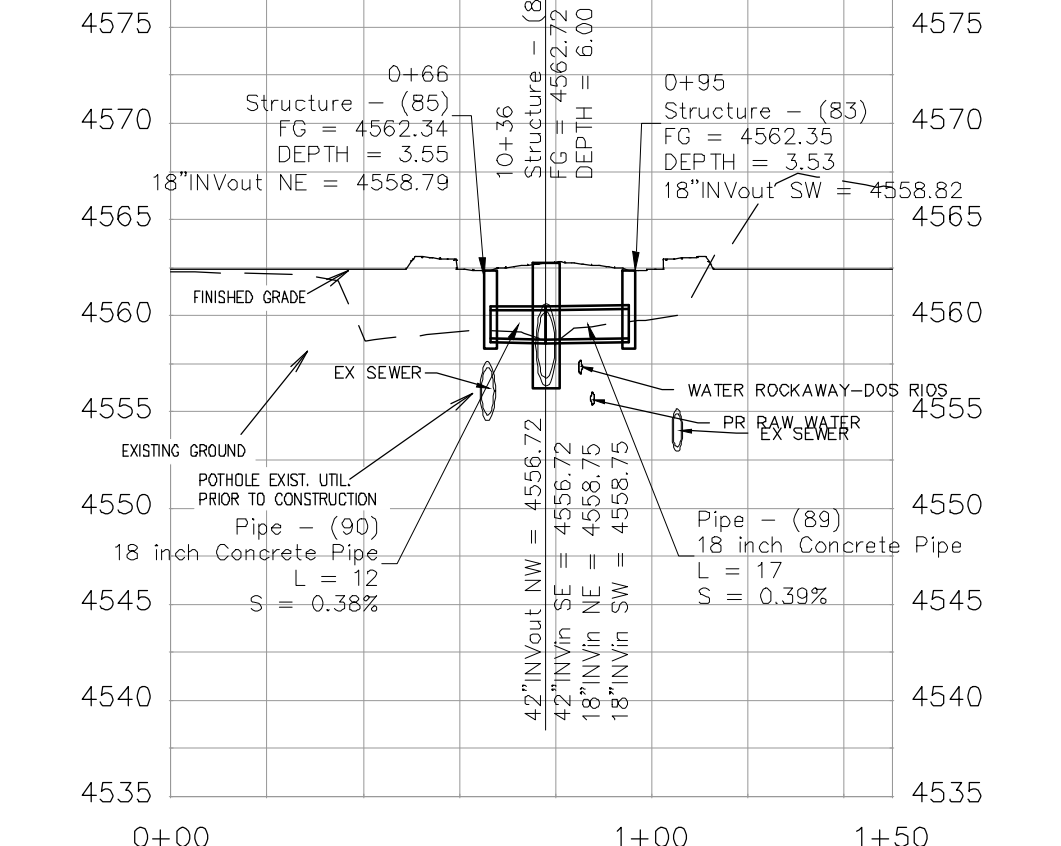
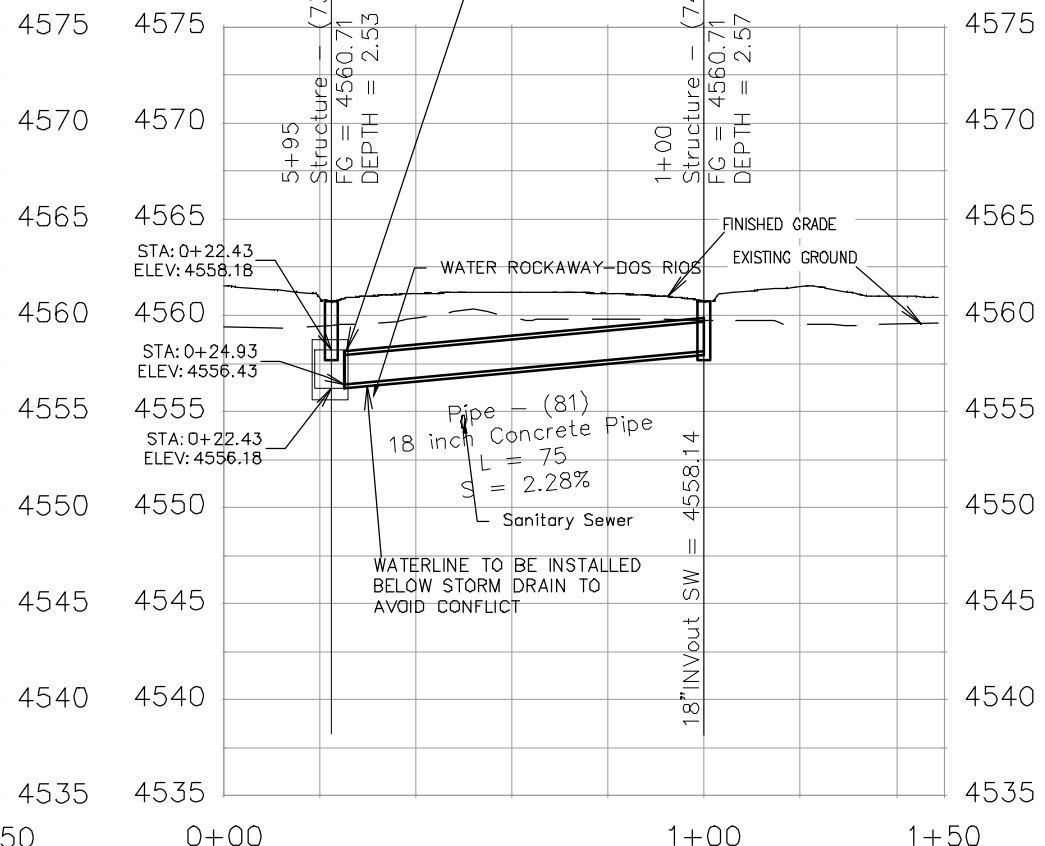
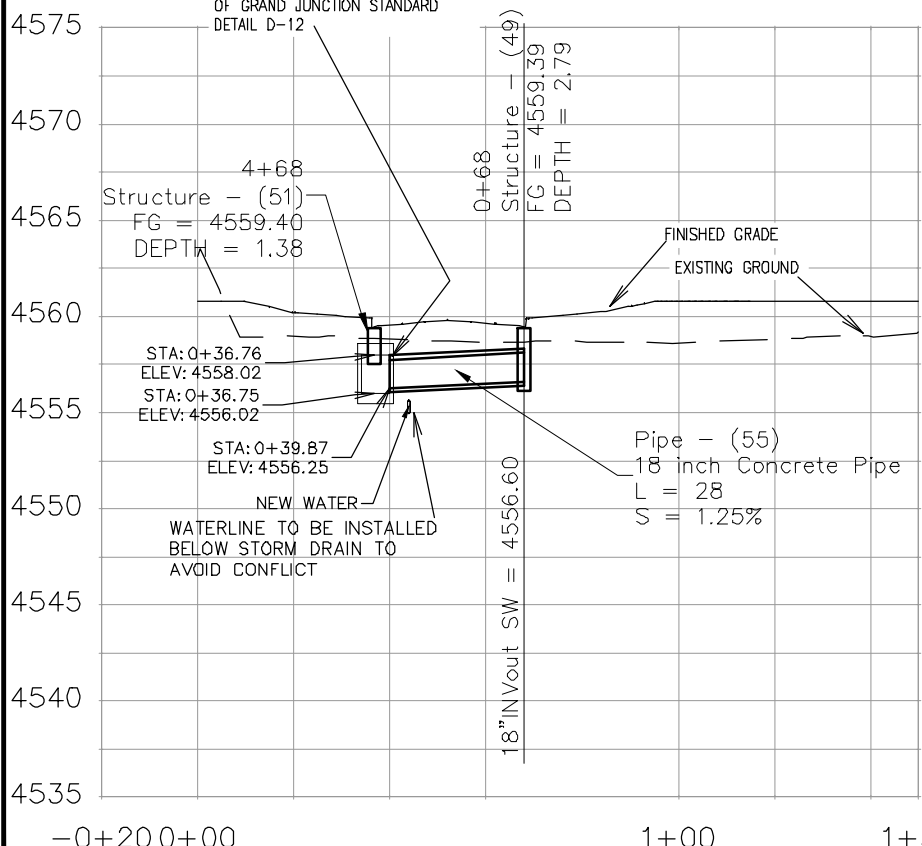
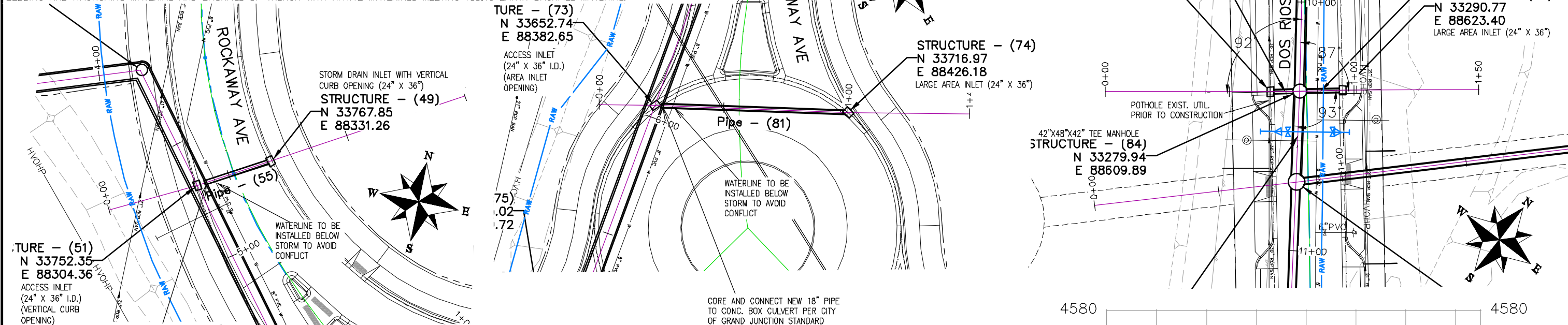
NOTES:

ACCESS INLETS SHALL BE ACCOMPLISHED USING 24" X 36" I.D. CONCRETE BOX, AND EITHER VERTICAL CURB OPENING OR AREA INLET FRAME AND GRATE AS NOTED. ALL APPURTENANCES CAN EITHER BE BUILT UP IN FIELD BY CORING AND CONNECTING TO PIPE OR BE PRECAST. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER IF PRECAST. SEE CITY OF GRAND JUNCTION STANDARD D-02, D-07, D-10 AND D-12 FOR ADDITIONAL INFORMATION

ALL INLETS SHALL BE SIZED AS NOTED AND EITHER VERTICAL CURB STORM DRAIN INLETS OR AREA INLET PER CITY OF GRAND JUNCTION STANDARD DETAILS.

TEE MANHOLES SHALL BE PRECAST REINFORCED CONCRETE WITH ECCENTRIC CONE SECTION OR FLAT TOP LID, GRADE RINGS, AND RING & COVERS. SIZE AS NOTED. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER. SEE CITY OF GRAND JUNCTION STANDARD D-03 AND D-04

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



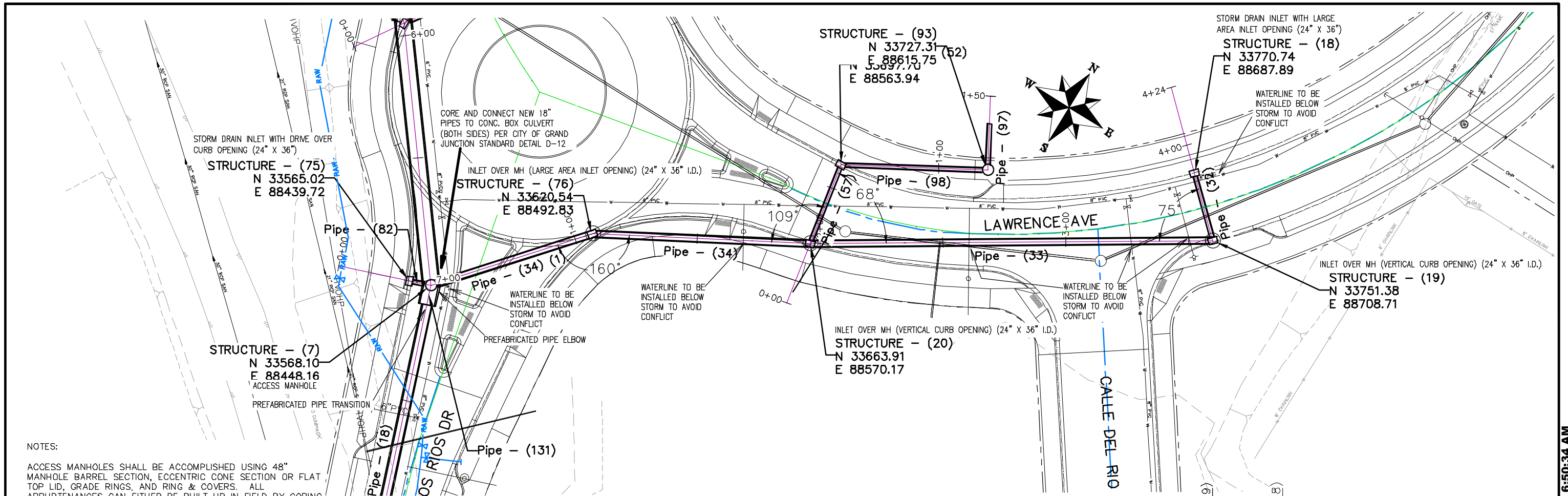
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REVISION			JCS	2019	HORIZONTAL 1" = 20'
REVISION			BH	2019	VERTICAL 1" = 2.5'
REVISION			TCP	2019	



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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-10  
June 19, 2020

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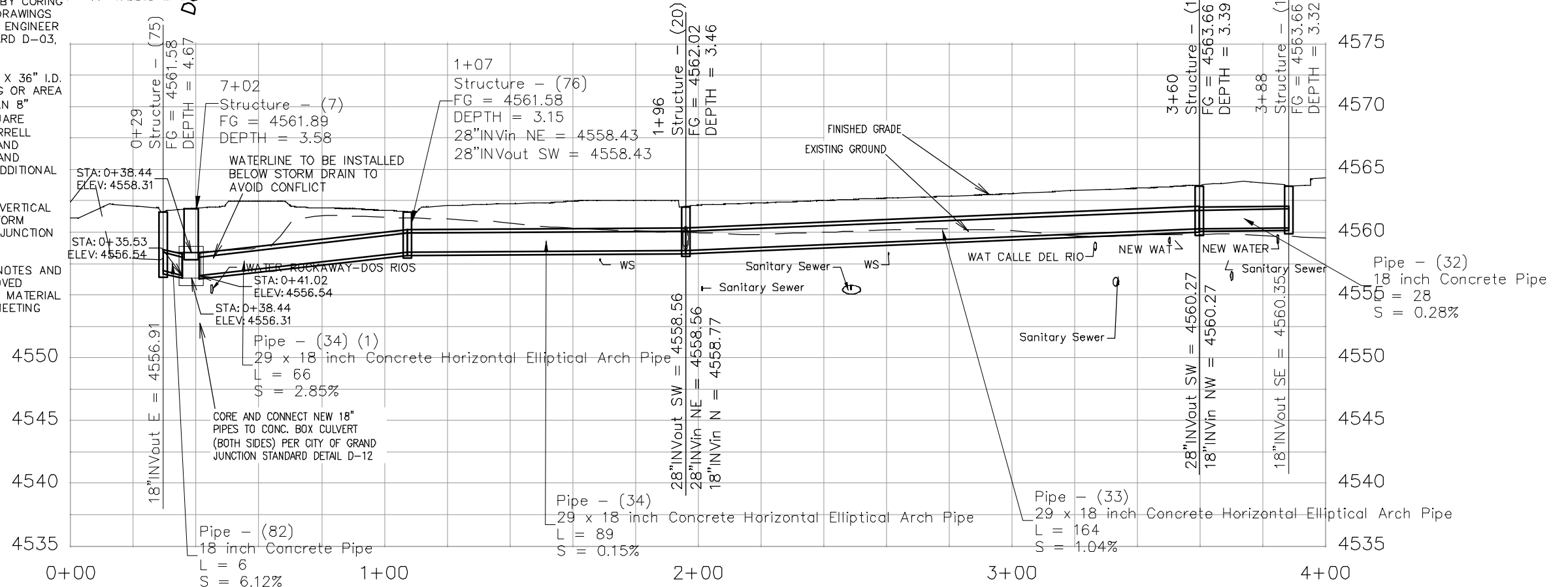
**NOTES:**

ACCESS MANHOLES SHALL BE ACCOMPLISHED USING 48" MANHOLE BARREL SECTION, ECCENTRIC CONE SECTION OR FLAT TOP LID, GRADE RINGS, AND RING & COVERS. ALL APPURTENANCES CAN EITHER BE BUILT UP IN FIELD BY CORING AND CONNECTING TO PIPE OR BE PRECAST. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER IF PRECAST. SEE CITY OF GRAND JUNCTION STANDARD D-03, D-04, AND D-12 FOR ADDITIONAL INFORMATION

INLET OVER MH SHALL BE ACCOMPLISHED USING 24" X 36" I.D. CONCRETE BOX WITH EITHER VERTICAL CURB OPENING OR AREA INLET FRAME AND GRATE AS NOTED PLACED UPON AN 8" THICK FLAT TOP MH LID (84"O.D.) WITH 24"X36" SQUARE OPENING AND THAT PLACED UPON 72" MANHOLE BARRELL SECTION. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER. SEE CITY OF GRAND JUNCTION STANDARD D-03, D-07, AND D-10 FOR ADDITIONAL INFORMATION

ALL INLETS SHALL BE SIZED AS NOTED AND EITHER VERTICAL CURB STORM DRAIN INLETS OR DRIVE OVER CURB STORM DRAIN INLETS OR AREA INLETS PER CITY OF GRAND JUNCTION STANDARD DETAILS.

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			JCP	2019

SCALES:
PLAN & PROFILE 0 10 20 30 40
0 2.5 5 10

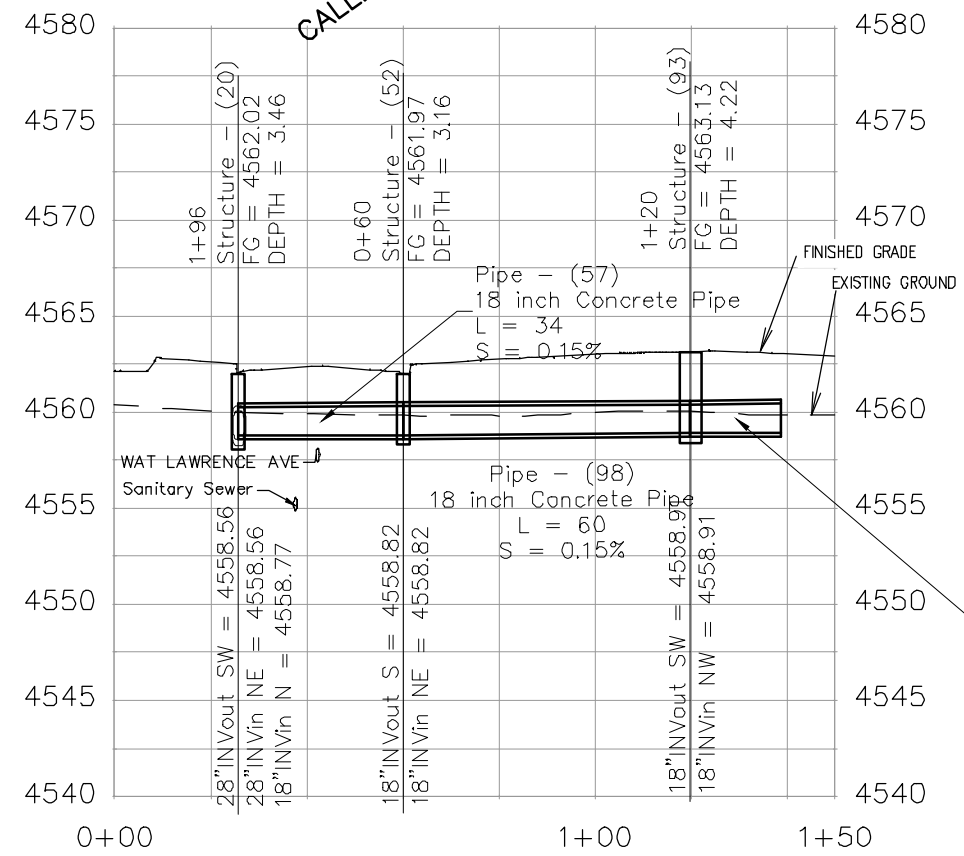
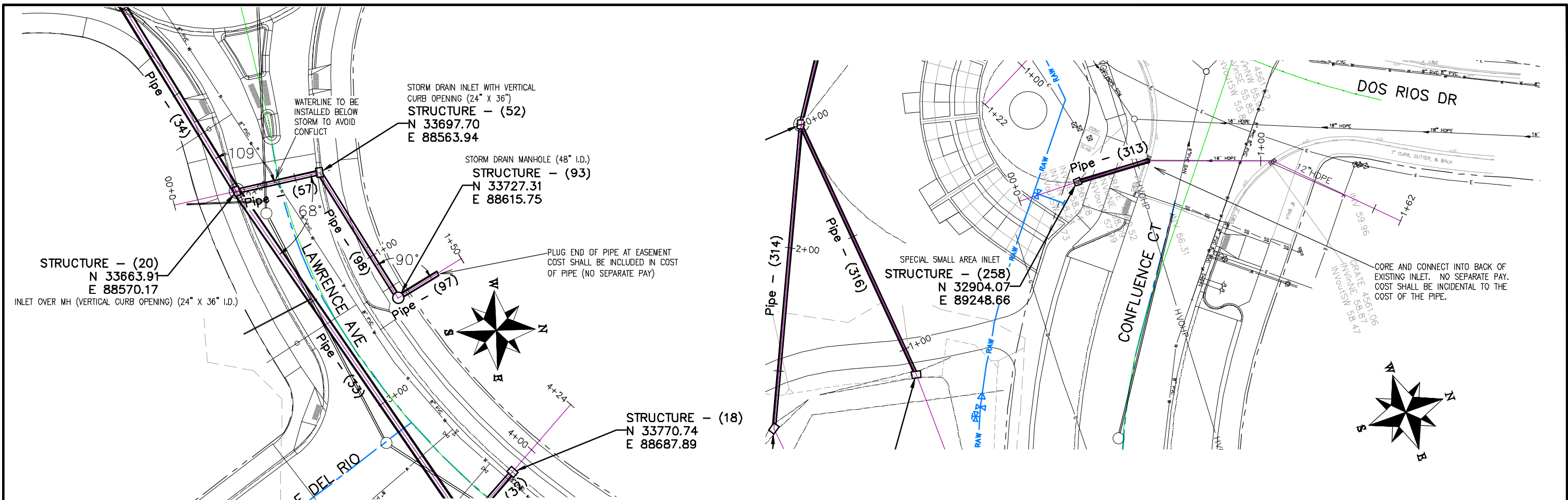


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ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-11  
June 19, 2020**

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NOTES:

INLET OVER MH SHALL BE ACCOMPLISHED USING 24" X 36" I.D. CONCRETE BOX WITH EITHER VERTICAL CURB OPENING OR AREA INLET FRAME AND GRATE AS NOTED PLACED UPON AN 8" THICK FLAT TOP MH LID (84" O.D.) WITH 24" X 36" SQUARE OPENING AND THAT PLACED UPON 72" MANHOLE BARRELL SECTION. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER. SEE CITY OF GRAND JUNCTION STANDARD D-03, D-07, AND D-10 FOR ADDITIONAL INFORMATION.

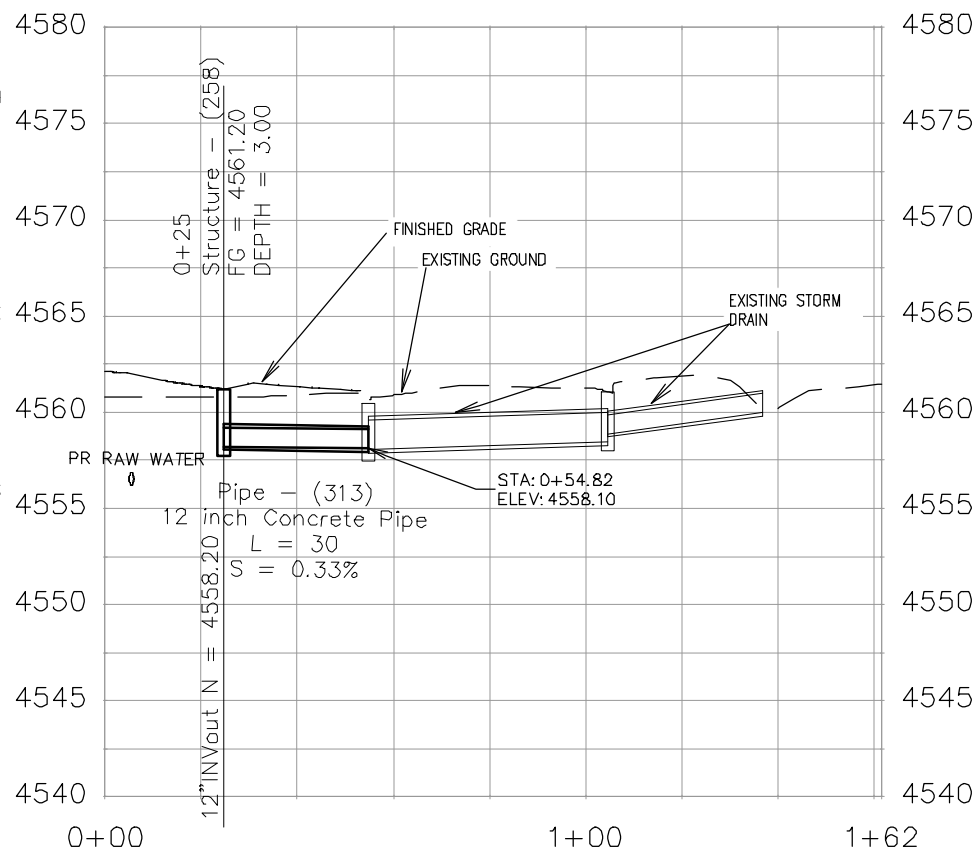
INLETS SHALL BE SIZED AS NOTED AND EITHER VERTICAL CURB STORM DRAIN INLETS OR DRIVE OVER CURB STORM DRAIN INLETS OR AREA INLETS PER CITY OF GRAND JUNCTION STANDARD DETAILS.

INLETS CALLED OUT AS SPECIAL SMALL AREA INLETS PER DETAILS PAGE SD-9

ALL NEW STORM DRAIN MANHOLES SHALL BE SIZED AS NOTED AND INCLUDES CONNECTION OF ADJACENT STORM SEWER LINES, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL D-03).

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

Pipe - (97)  
18 inch Concrete Pipe  
L = 19  
S = 0.10%



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2019	PLAN & PROFILE
REVISION			JCS	2019	0 10 HORIZONTAL 40
REVISION			BH	2019	0 2.5 VERTICAL 10
REVISION			JCP	2019	



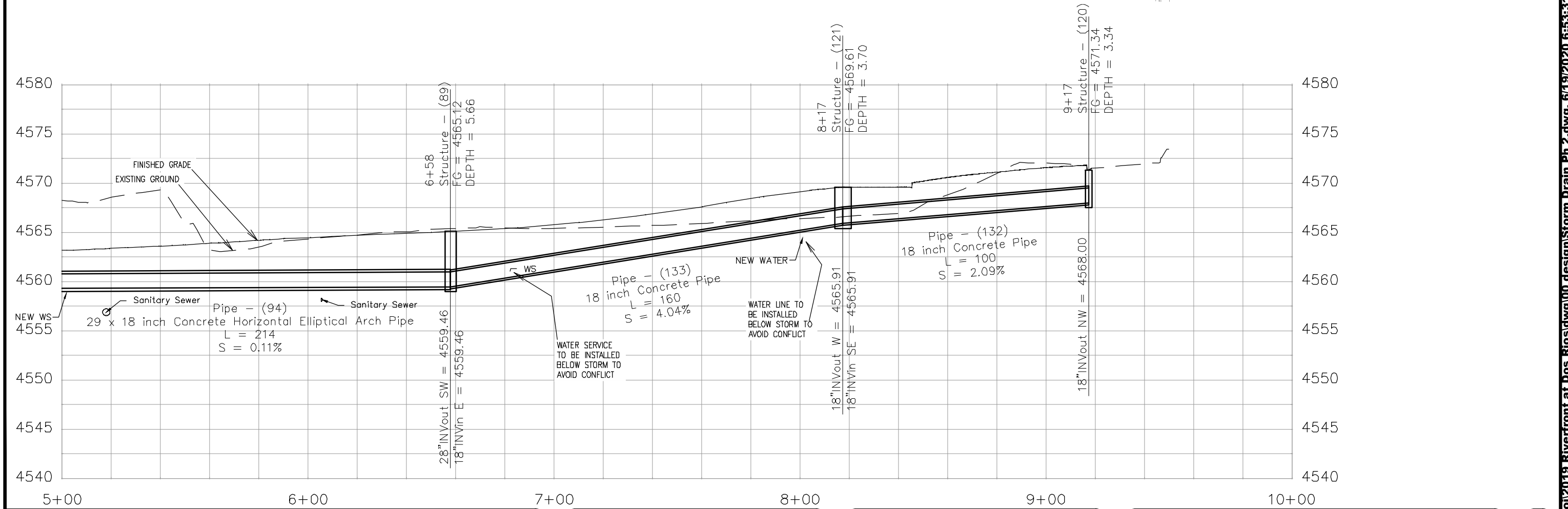
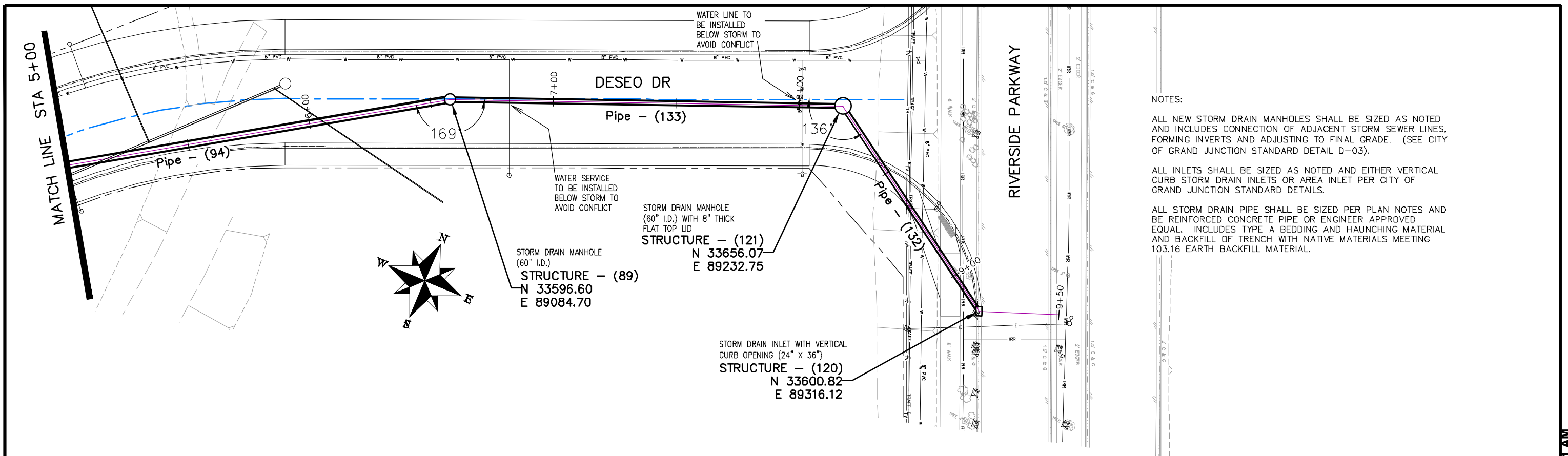
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-12  
June 19, 2020

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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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REVISION			JCS	2019
REVISION			BH	2019
REVISION			ICP	2019

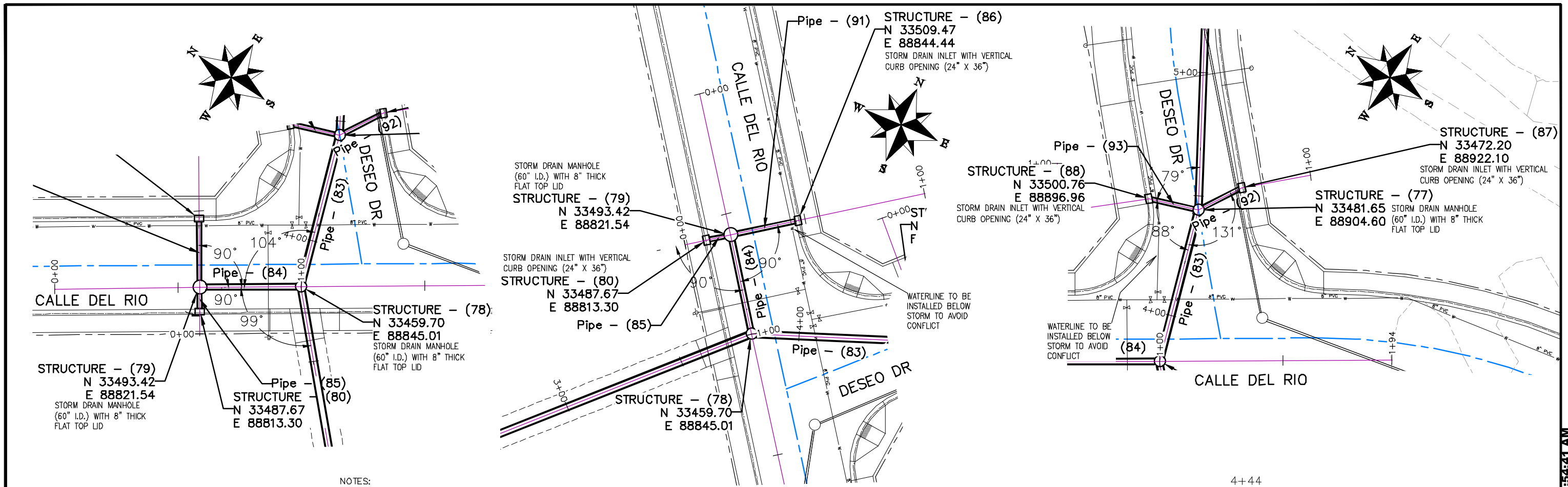
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0 2.5 10 VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-14  
June 19, 2020

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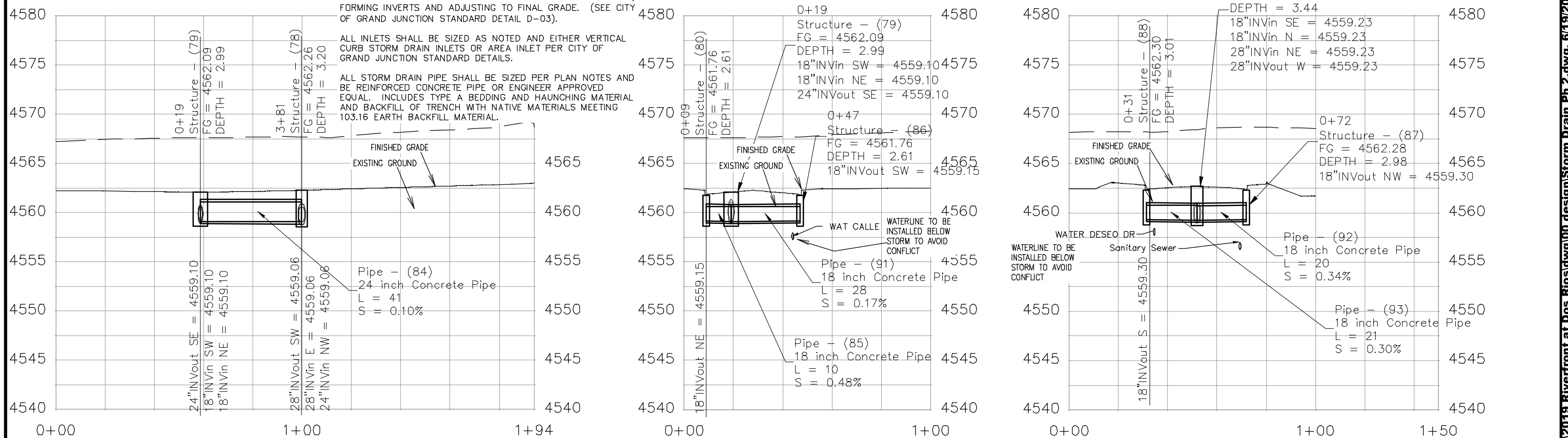


**NOTES:**

ALL NEW STORM DRAIN MANHOLES SHALL BE SIZED AS NOTED AND INCLUDES CONNECTION OF ADJACENT STORM SEWER LINES, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL D-03).

ALL INLETS SHALL BE SIZED AS NOTED AND EITHER VERTICAL CURB STORM DRAIN INLETS OR AREA INLET PER CITY OF GRAND JUNCTION STANDARD DETAILS.

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



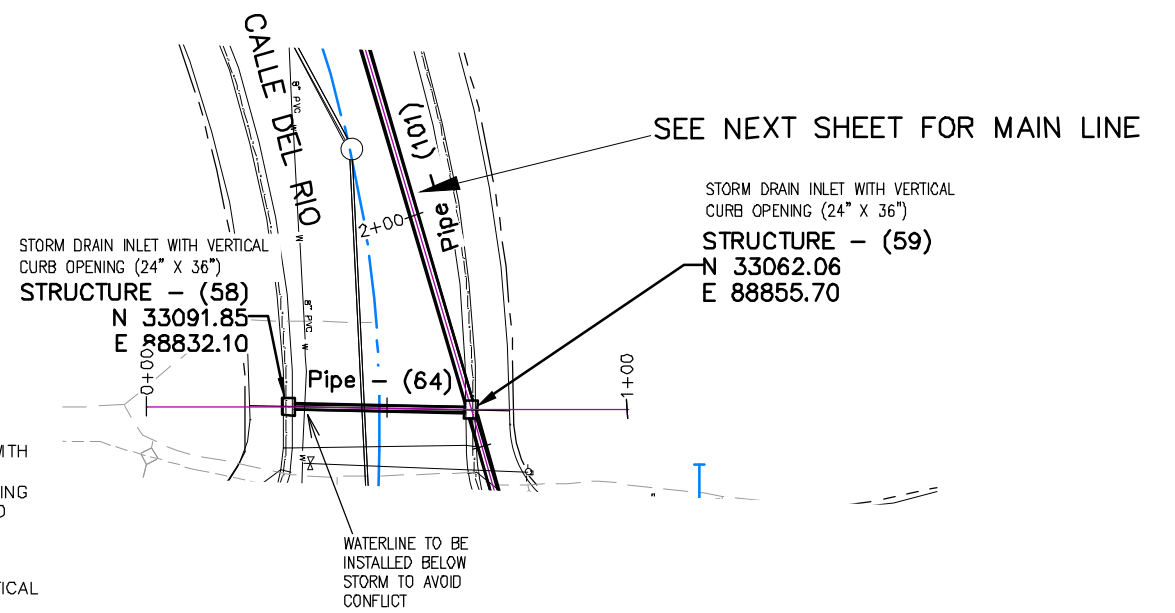
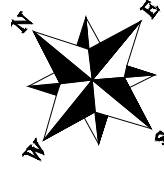
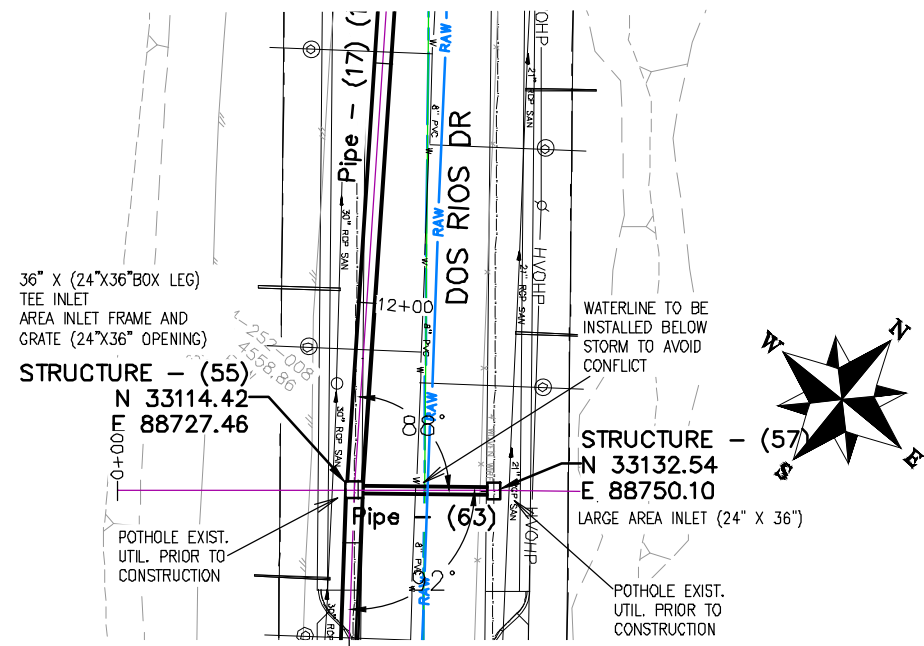
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REVISION			JCS	2019	
REVISION			JCS	2019	
REVISION			BH	2019	
REVISION			ICP	2019	



**PUBLIC WORKS ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-15  
June 19, 2020**

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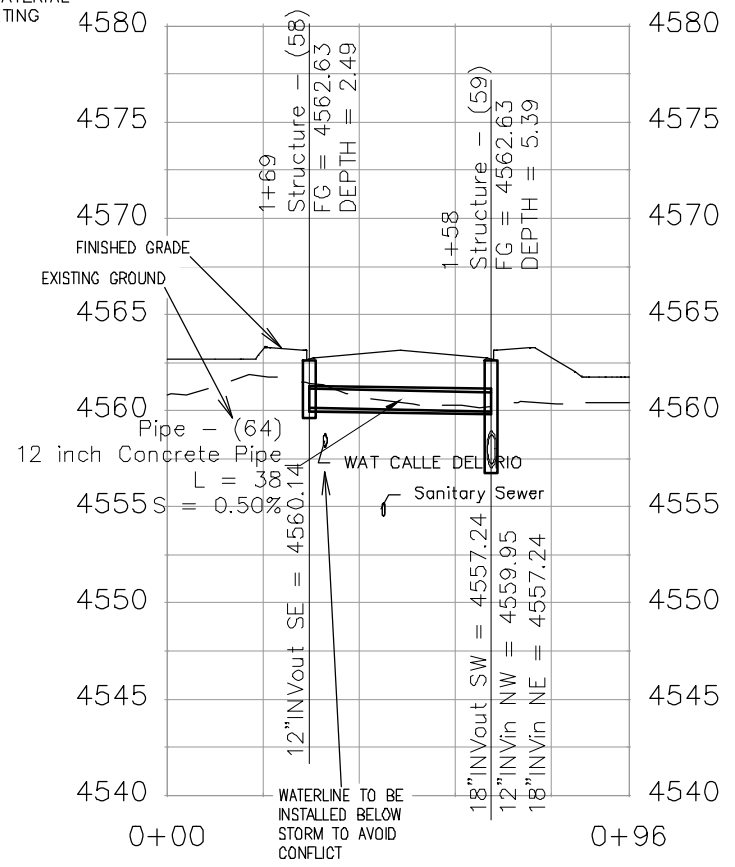
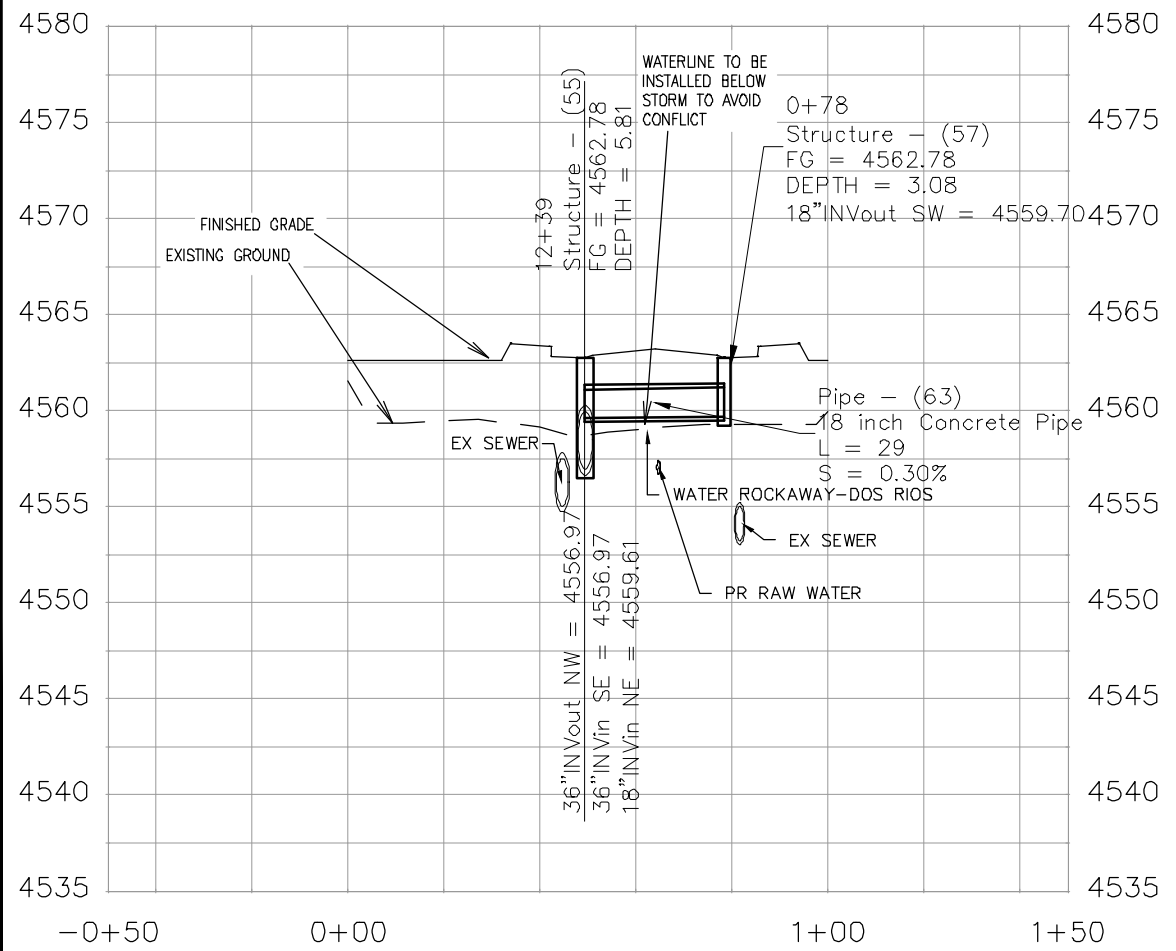


NOTES:

TEE INLETS SHALL BE PRECAST REINFORCED CONCRETE WITH 24" X 36" I.D. CONCRETE BOX VERTICAL LEG AND EITHER VERTICAL CURB OR AREA INLET FRAME AND GRATE OPENING AS NOTED. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER. SEE CITY OF GRAND JUNCTION STANDARD D-07 AND D-10

ALL INLETS SHALL BE SIZED AS NOTED AND EITHER VERTICAL CURB STORM DRAIN INLETS OR AREA INLET PER CITY OF GRAND JUNCTION STANDARD DETAILS.

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			TCP	2019

SCALES:  
 PLAN & PROFILE  
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 HORIZONTAL  
 0 2.5 10  
 VERTICAL

PUBLIC WORKS  
 ENGINEERING DIVISION

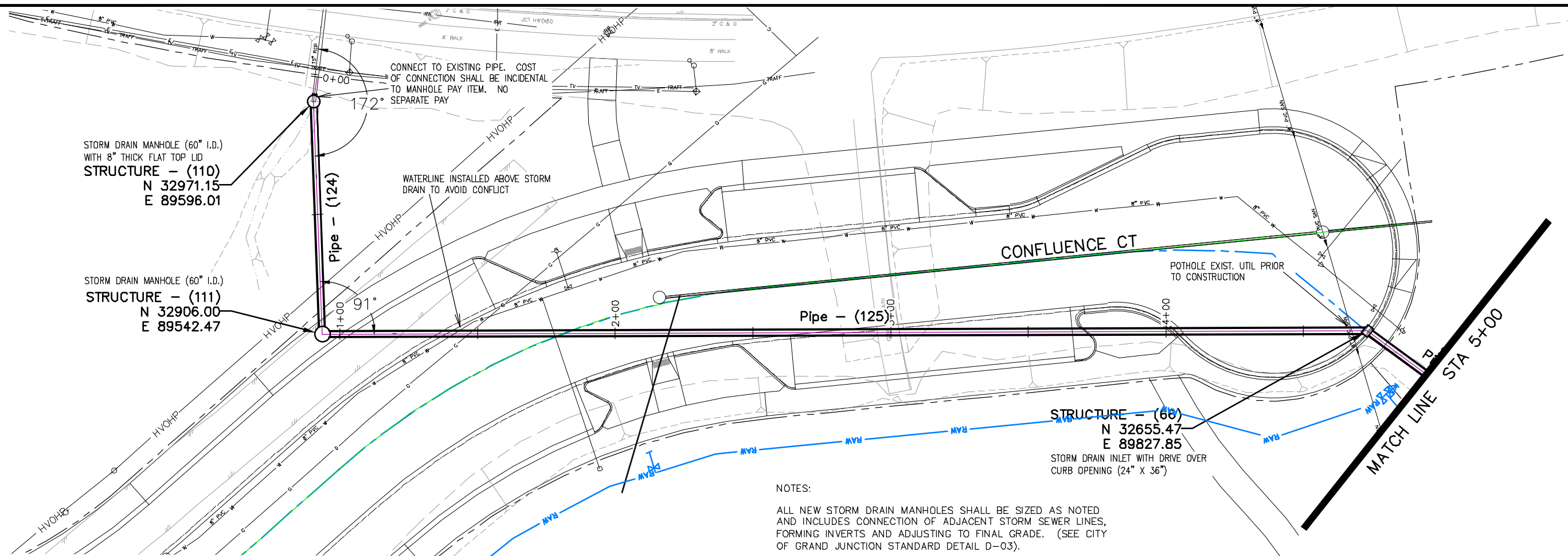
THE RIVERFRONT AT DOS RIOS  
 STORM DRAIN PH 2 - SD-16  
 June 19, 2020

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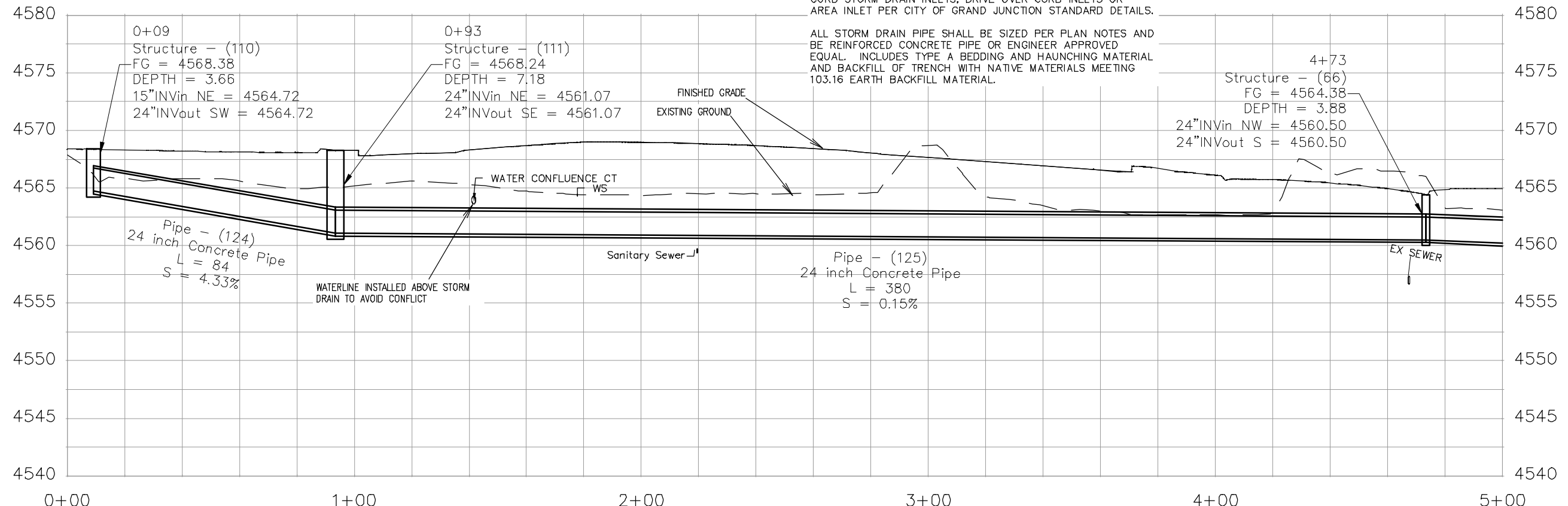


NOTES:

ALL NEW STORM DRAIN MANHOLES SHALL BE SIZED AS NOTED AND INCLUDES CONNECTION OF ADJACENT STORM SEWER LINES, FORMING INVERTS AND ADJUSTING TO FINAL GRADE. (SEE CITY OF GRAND JUNCTION STANDARD DETAIL D-03).

ALL INLETS SHALL BE SIZED AS NOTED AND EITHER VERTICAL CURB STORM DRAIN INLETS, DRIVE OVER CURB INLETS OR AREA INLET PER CITY OF GRAND JUNCTION STANDARD DETAILS.

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2019	PLAN & PROFILE
REVISION			JCS	2019	0 10 20 40 HORIZONTAL
REVISION			BH	2019	0 2.5 5 10 VERTICAL
REVISION			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

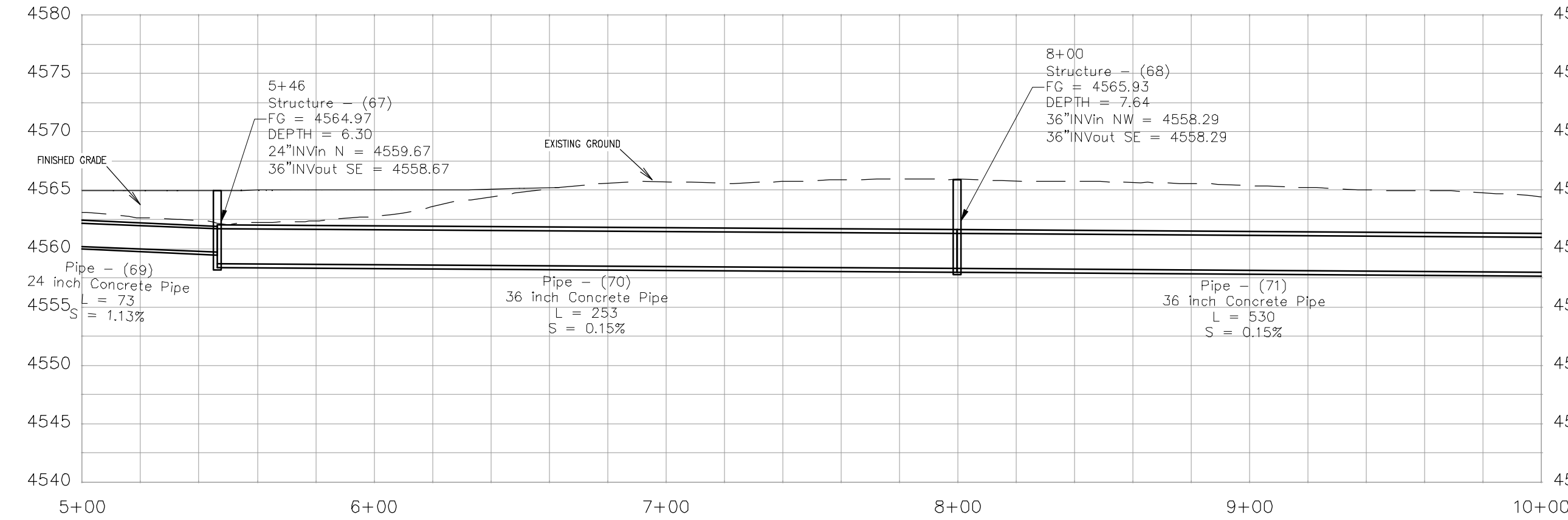
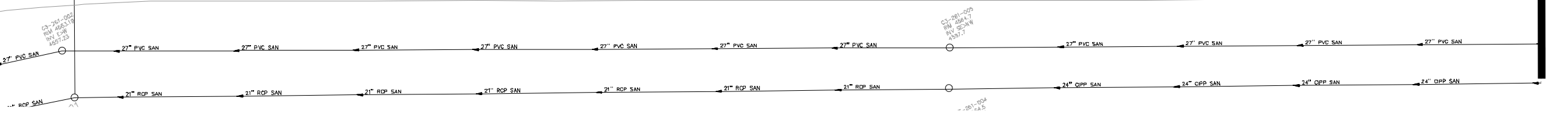
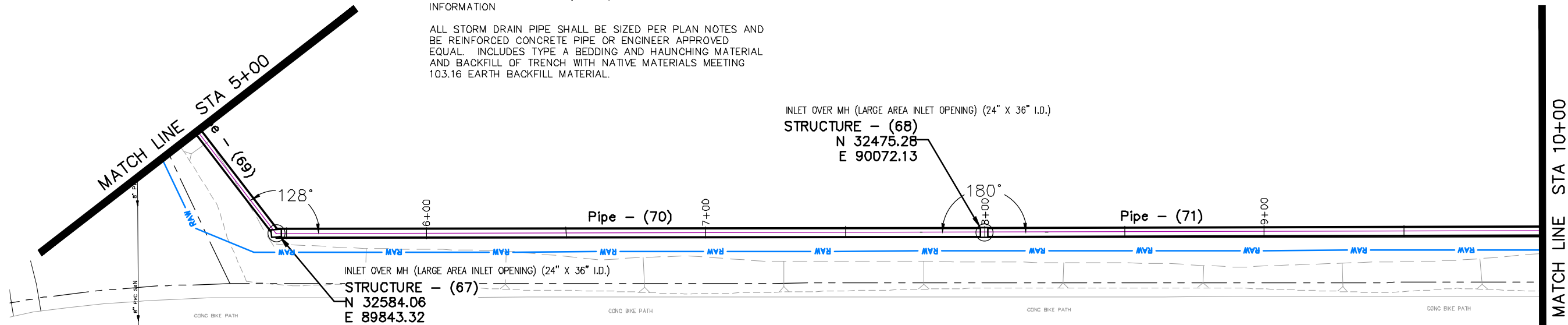
THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-18  
June 19, 2020

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NOTES:

INLET OVER MH SHALL BE ACCOMPLISHED USING 24" X 36" I.D. CONCRETE BOX WITH EITHER VERTICAL CURB OPENING OR AREA INLET FRAME AND GRATE AS NOTED PLACED UPON AN 8" THICK FLAT TOP MH LID (84" O.D.) WITH 24" X 36" SQUARE OPENING AND THAT PLACED UPON 72" MANHOLE BARRELL SECTION. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER. SEE CITY OF GRAND JUNCTION STANDARD D-03, D-07, AND D-10 FOR ADDITIONAL INFORMATION

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:
PLAN & PROFILE
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0 2.5 5 10 VERTICAL

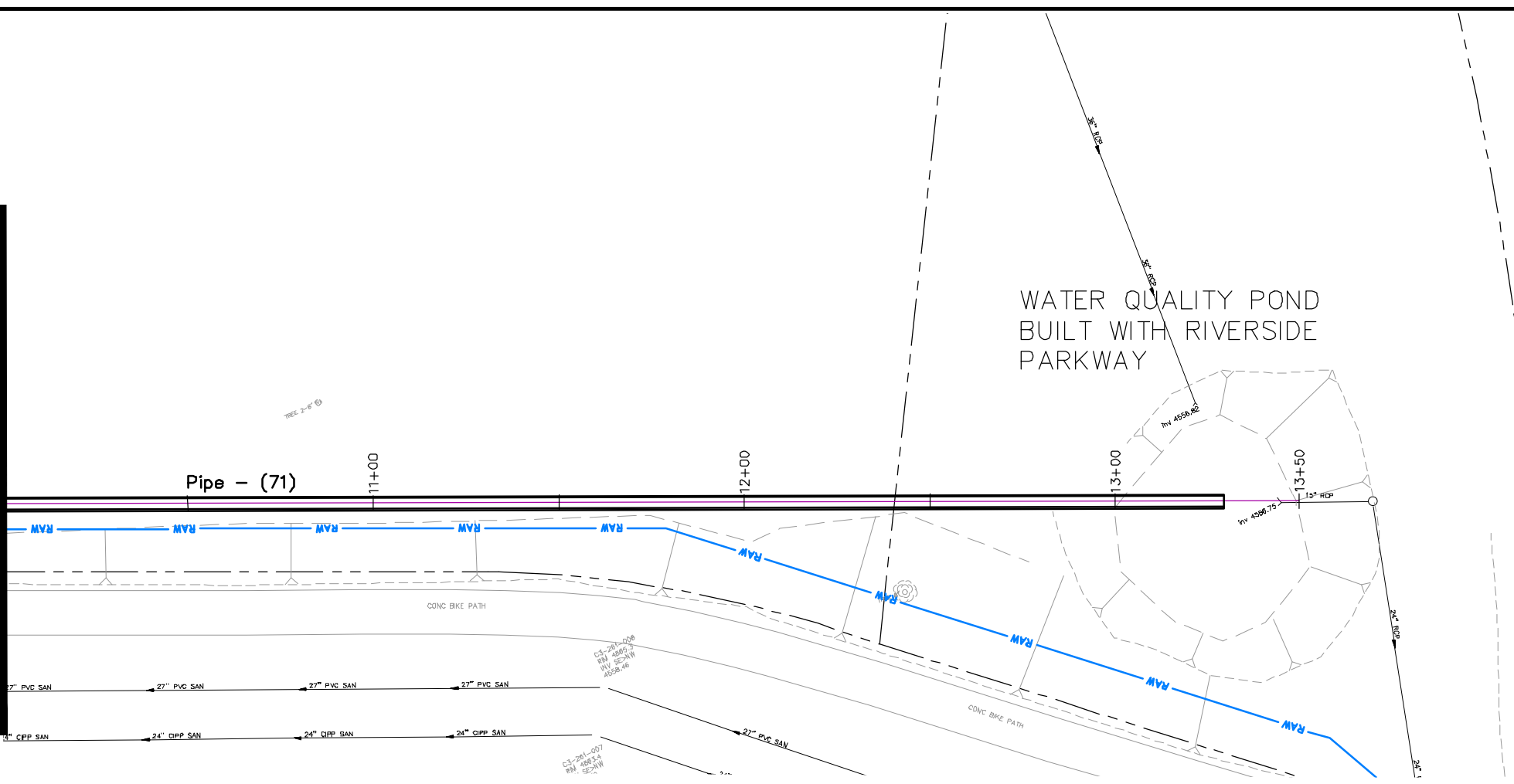


PUBLIC WORKS  
ENGINEERING DIVISION

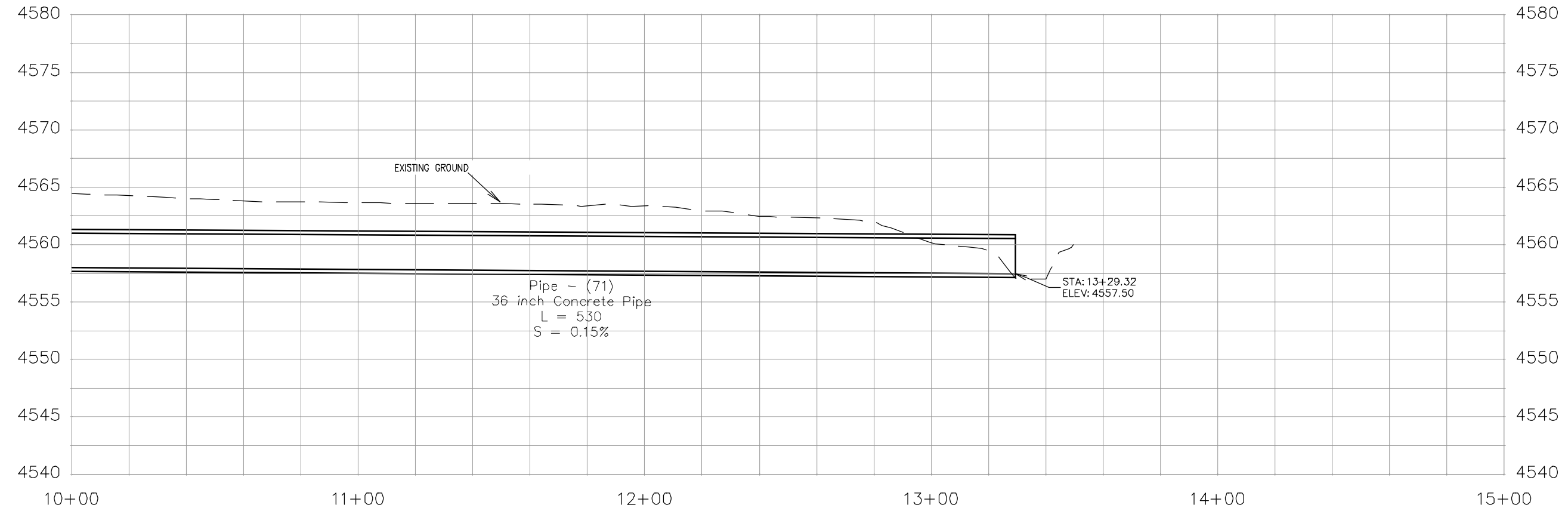
THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-19  
June 19, 2020

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MATCH LINE STA 10+00



NOTES:  
 ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



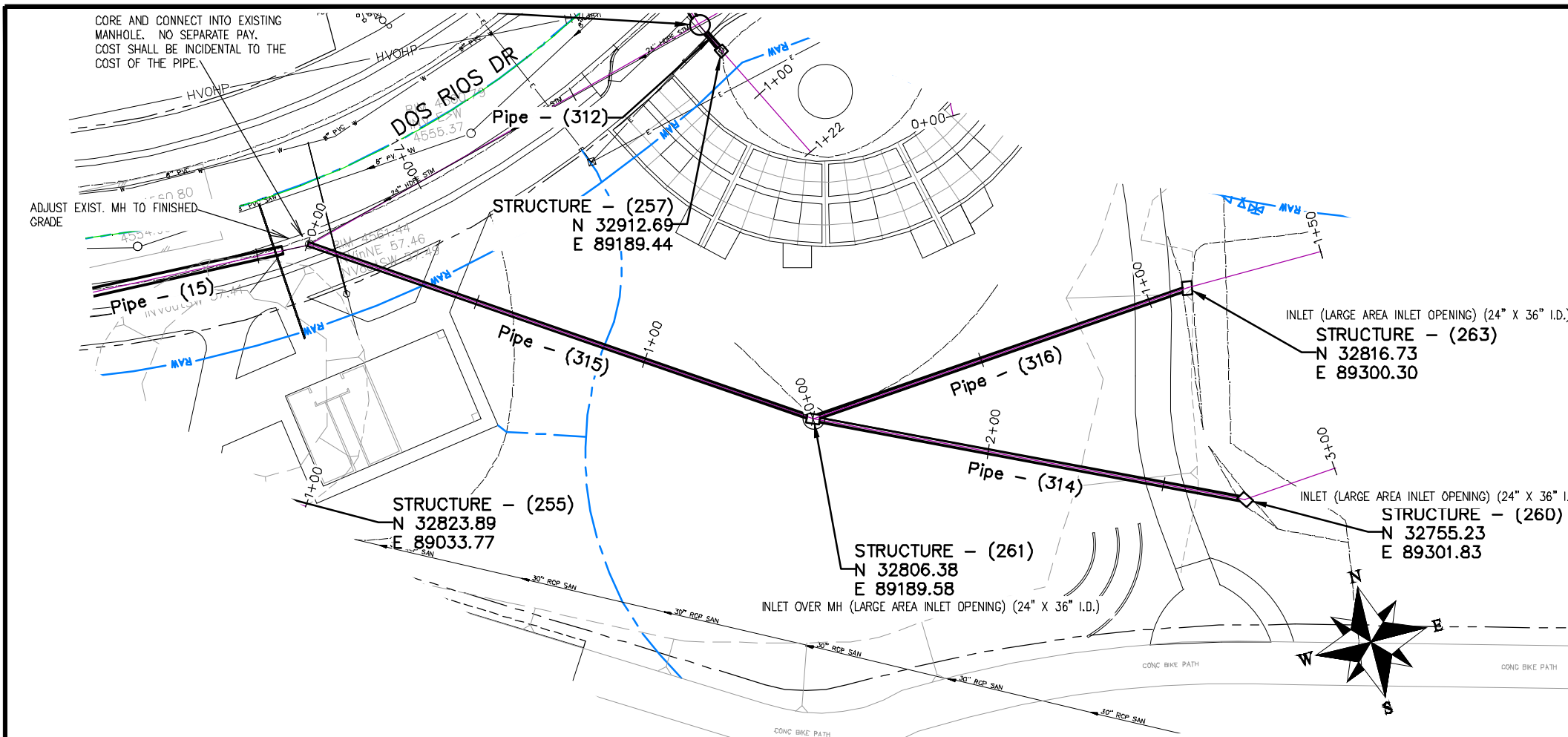
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0 10 20 40	HORIZONTAL
0 2.5 10	VERTICAL



PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STORM DRAIN PH 2 - SD-20  
 June 19, 2020

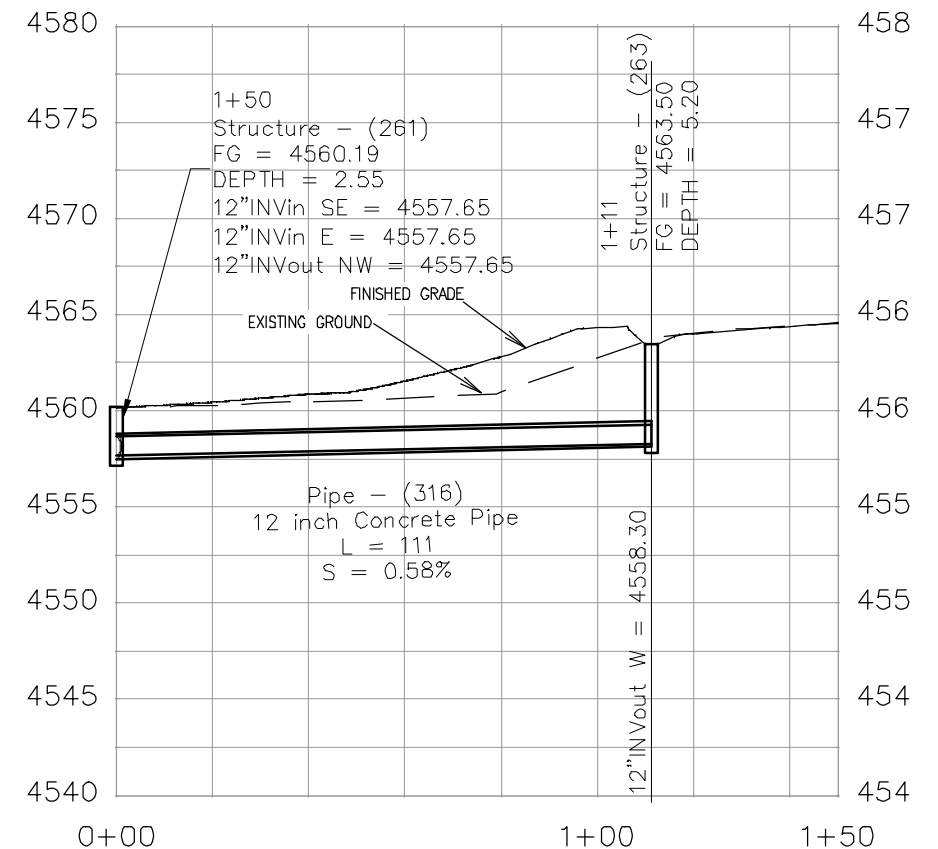
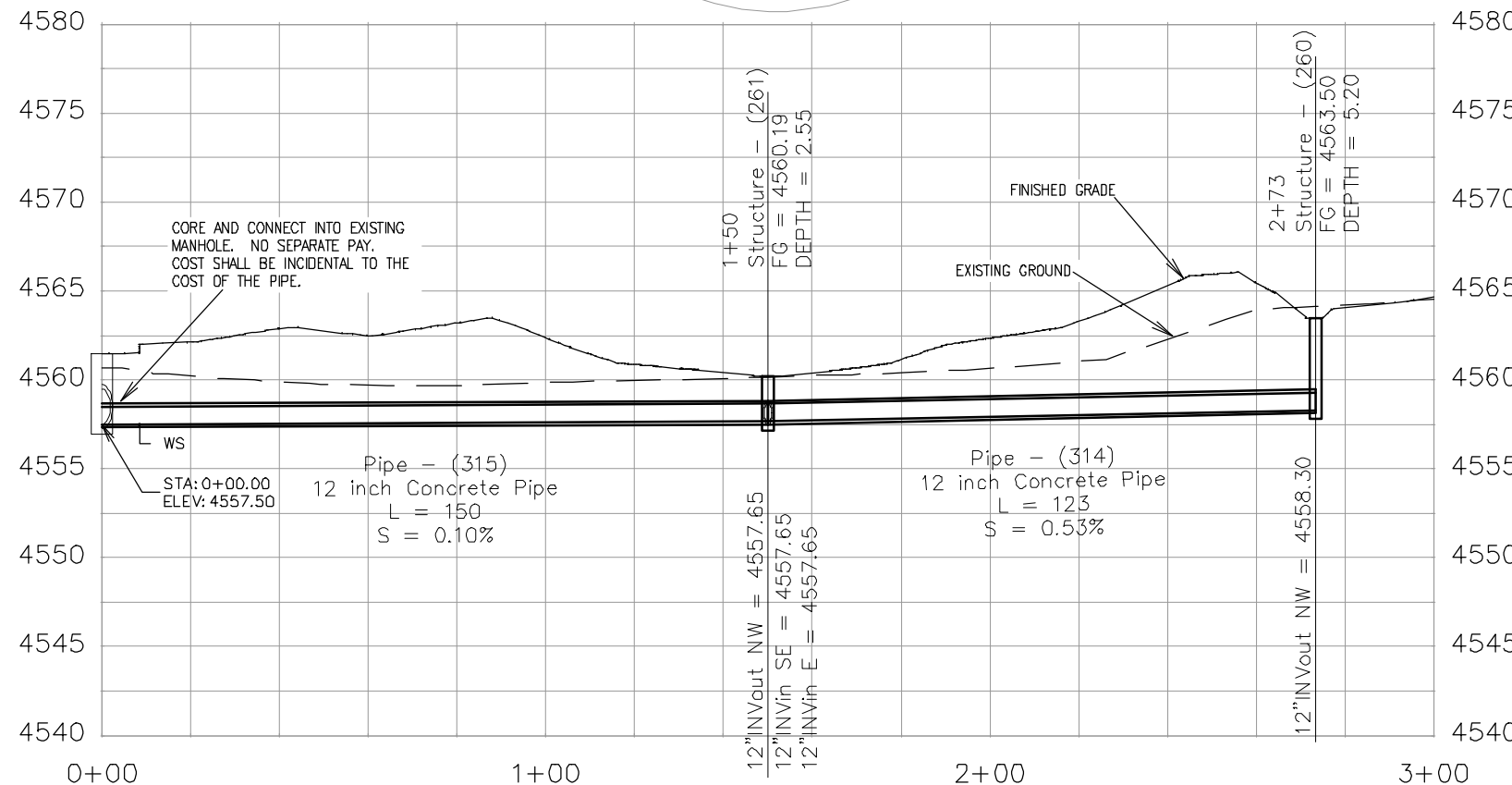


**NOTES:**

INLET OVER MH SHALL BE ACCOMPLISHED USING 24" X 36" I.D. CONCRETE BOX WITH EITHER VERTICAL CURB OPENING OR AREA INLET FRAME AND GRATE AS NOTED PLACED UPON AN 8" THICK FLAT TOP MH LID (84" O.D.) WITH 24" X 36" SQUARE OPENING AND THAT PLACED UPON 72" MANHOLE BARRELL SECTION. SHOP DRAWINGS SHALL BE SUPPLIED TO AND APPROVED BY PROJECT ENGINEER. SEE CITY OF GRAND JUNCTION STANDARD D-03, D-07, AND D-10 FOR ADDITIONAL INFORMATION

INLETS SHALL BE SIZED AS NOTED AND EITHER VERTICAL CURB STORM DRAIN INLETS OR AREA INLET PER CITY OF GRAND JUNCTION STANDARD DETAILS.

ALL STORM DRAIN PIPE SHALL BE SIZED PER PLAN NOTES AND BE REINFORCED CONCRETE PIPE OR ENGINEER APPROVED EQUAL. INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2019	PLAN & PROFILE
REVISION			JCS	2019	0 10 20 30 40 HORIZONTAL
REVISION			BH	2019	0 2.5 5 10 VERTICAL
REVISION			TCP	2019	

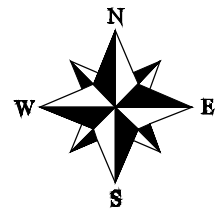
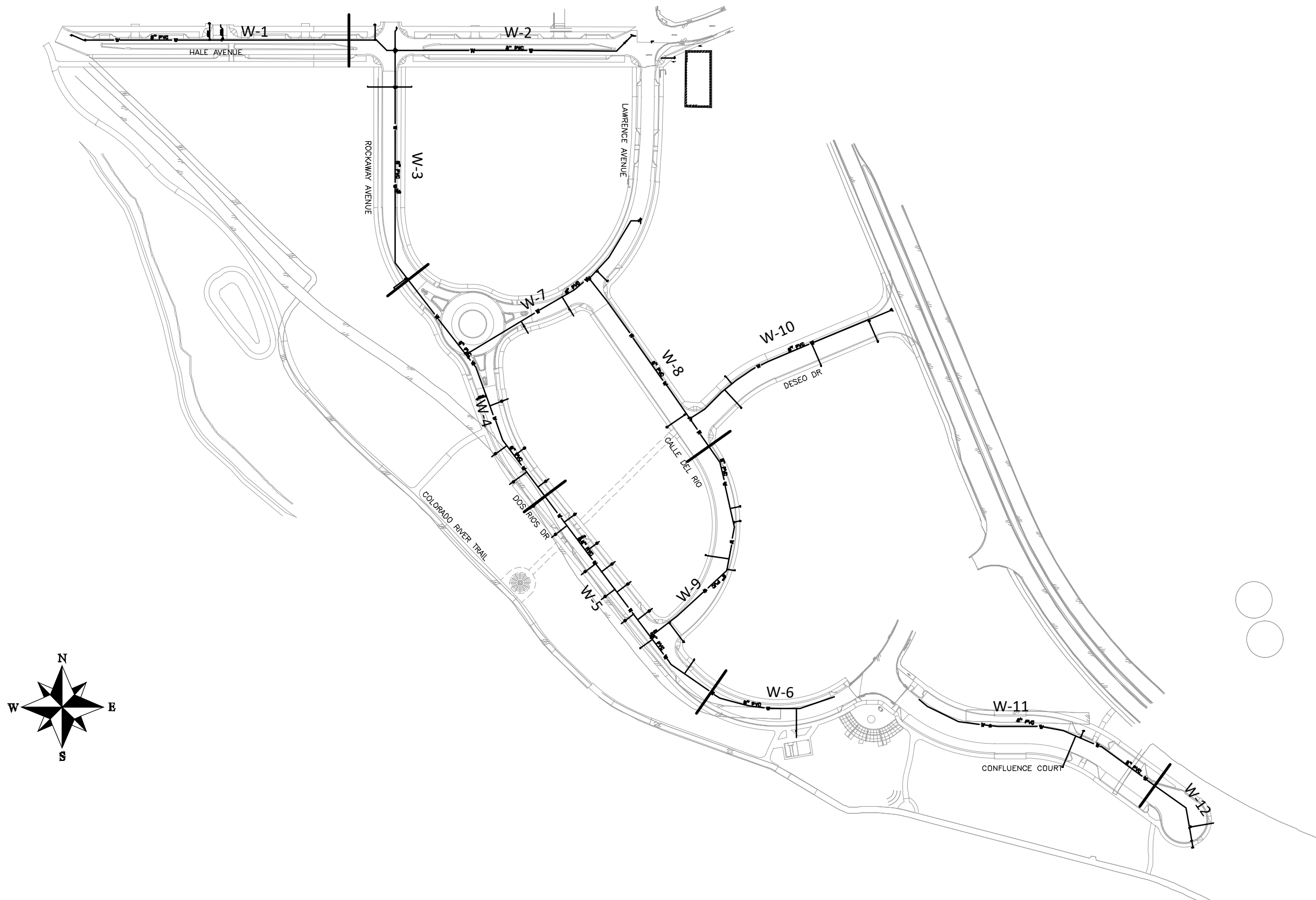


**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
STORM DRAIN PH 2 - SD-21  
June 19, 2020**

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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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△			BH	2019	
△			TCP	2019	



**PUBLIC WORKS  
ENGINEERING DIVISION**

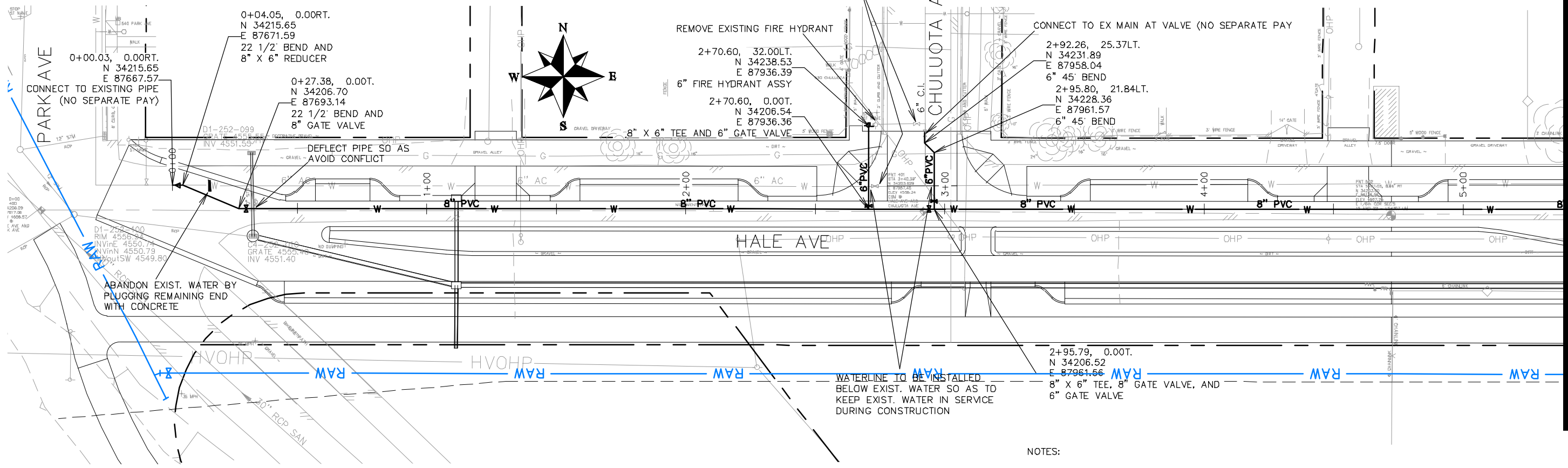
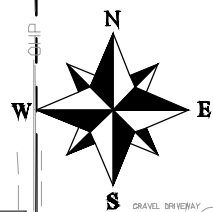
**THE RIVERFRONT AT DOS RIOS  
WATER SHEET INDEX  
June 19, 2020**

ABANDON EXISTING WATER VALVE. CLOSE VALVE, REMOVE TOP HALF OF EXISTING VALVE BOX, FILL CAVITY TO FINISHED SUBGRADE WITH FLOW FILL MATERIAL.

REMOVE EXISTING FIRE HYDRANT  
 2+70.60, 32.00LT.  
 N 34238.53  
 E 87936.39  
 6" FIRE HYDRANT ASSY  
 2+70.60, 0.00T.  
 N 34206.54  
 E 87936.36  
 8" X 6" TEE AND 6" GATE VALVE

CONNECT TO EX MAIN AT VALVE (NO SEPARATE PAY)  
 2+92.26, 25.37LT.  
 N 34231.89  
 E 87958.04  
 6" 45' BEND  
 2+95.80, 21.84LT.  
 N 34228.36  
 E 87961.57  
 6" 45' BEND

2+95.79, 0.00T.  
 N 34206.52  
 E 87961.66  
 8" X 6" TEE, 8" GATE VALVE, AND  
 6" GATE VALVE



NOTES:

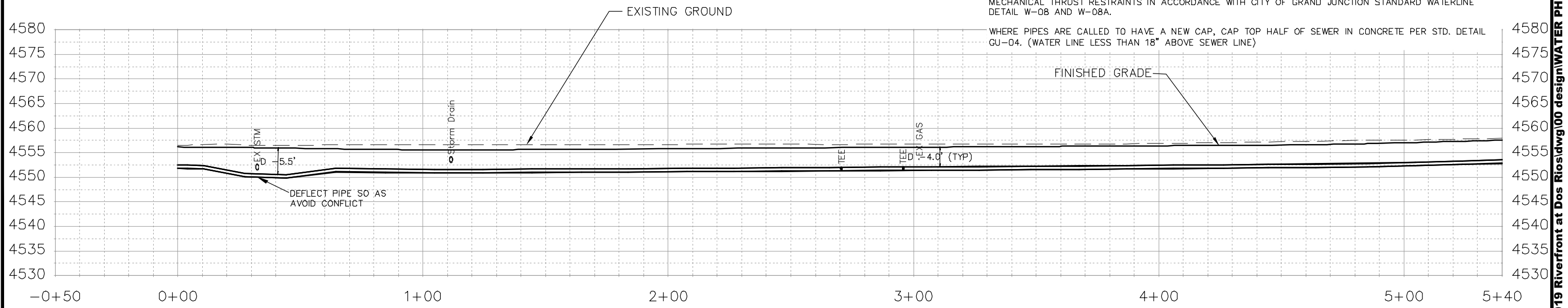
ALL WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

ALL WATER SERVICE LINE SHALL BE 2" PURE CORE HDPE

WATER SERVICE LINES SHALL EXTEND BEYOND METER PITS SO AS TO GET PAST ALL DRY UTILITIES. SERVICE ENDS TO BE PLUGGED AND MARKED IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD WATERLINE DETAIL W-03

ALL BEND, TEES, FITTINGS, DEAD ENDS, ETC.. SHALL BE RESTRAINED WITH CONCRETE THRUST BLOCKS OR MECHANICAL THRUST RESTRAINTS IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD WATERLINE DETAIL W-08 AND W-08A.

WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2018
REVISION			JCS	2018
REVISION			TCP	2018
REVISION			TCP	2018

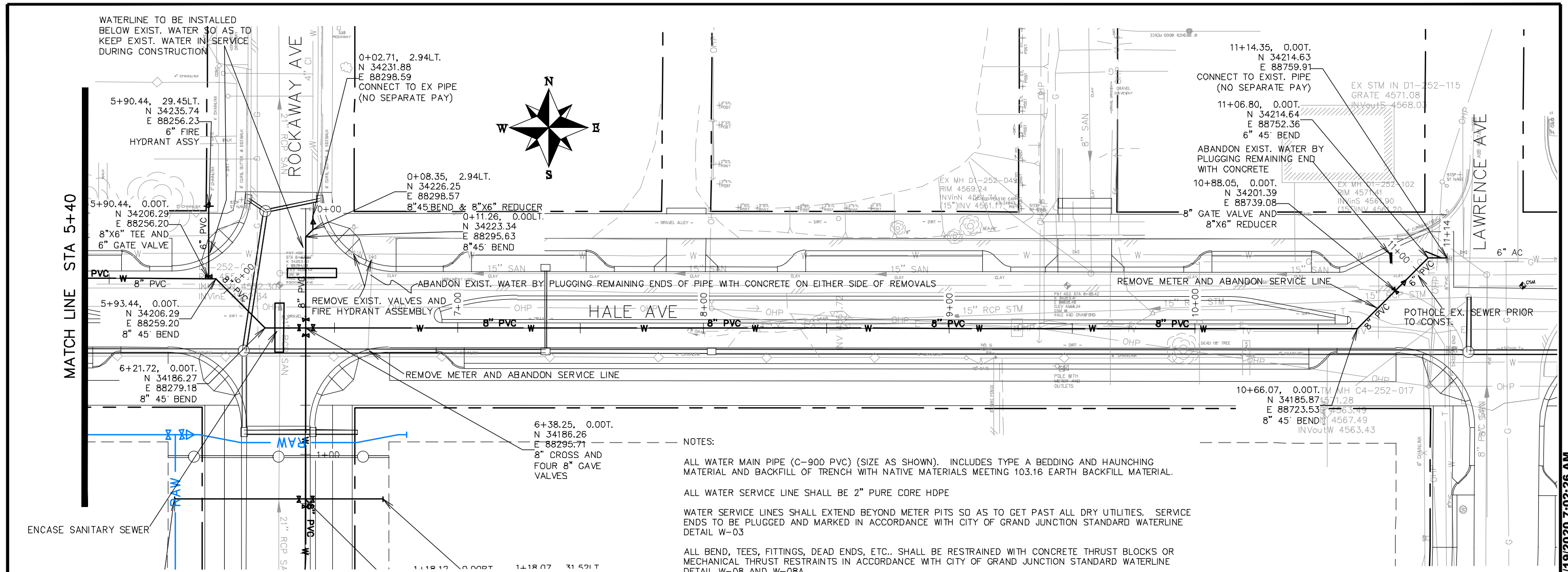
SCALES:
PLAN & PROFILE
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0 2.5 5 10 VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION

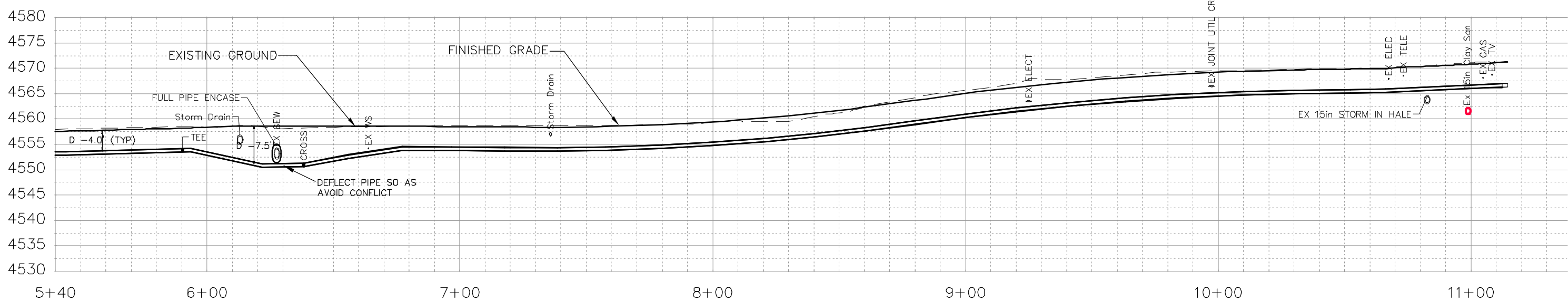
THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-1  
June 19, 2020

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**NOTES:**

- ALL WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.
- ALL WATER SERVICE LINE SHALL BE 2" PURE CORE HDPE
- WATER SERVICE LINES SHALL EXTEND BEYOND METER PITS SO AS TO GET PAST ALL DRY UTILITIES. SERVICE ENDS TO BE PLUGGED AND MARKED IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD WATERLINE DETAIL W-03
- ALL BEND, TEES, FITTINGS, DEAD ENDS, ETC.. SHALL BE RESTRAINED WITH CONCRETE THRUST BLOCKS OR MECHANICAL THRUST RESTRAINTS IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD WATERLINE DETAIL W-08 AND W-08A.
- WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)
- WHERE PIPES ARE CALLED TO BE ENCASED, PIPE SHALL BE FULLY ENCASED IN CONCRETE PER STD. DETAIL GU-04.



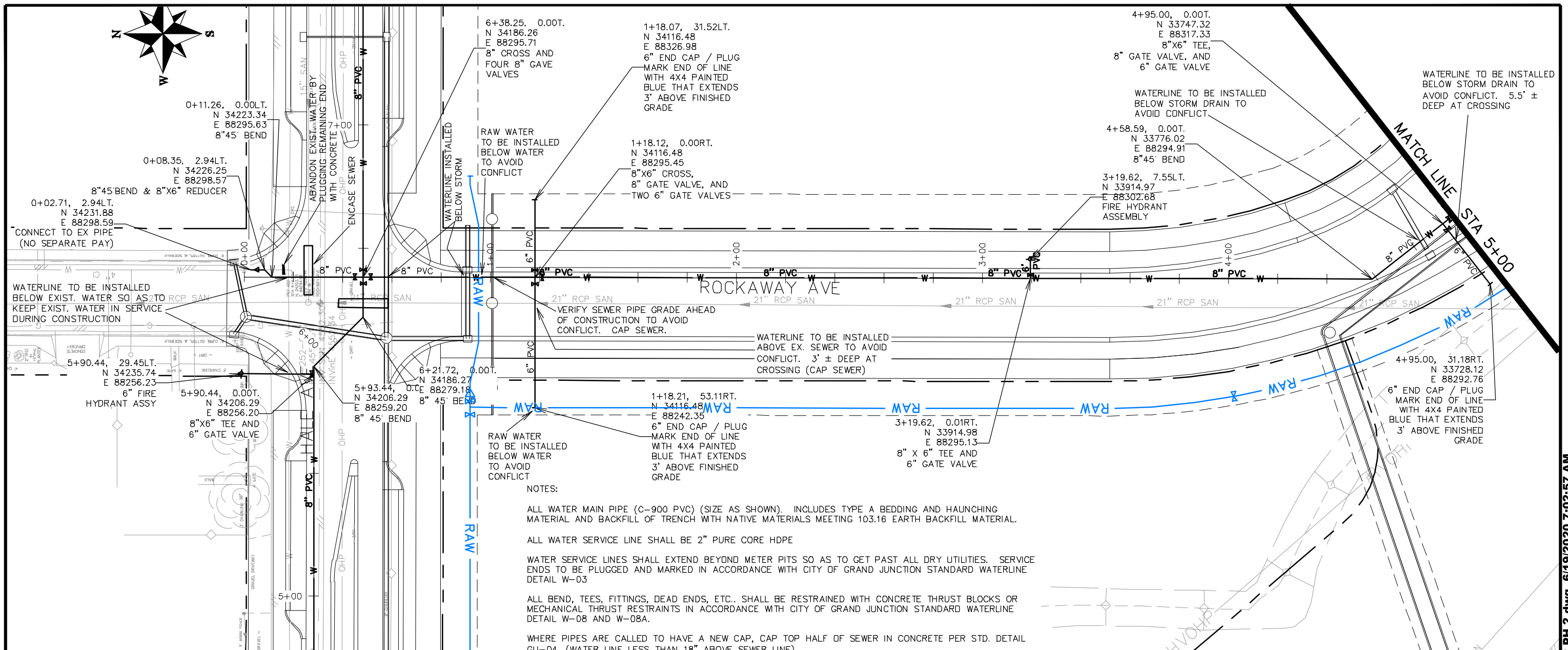
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ			JCS	2018
REVISION Δ			JCS	2018
REVISION Δ			TCP	2018
REVISION Δ			ICP	2018



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-2  
June 19, 2020**

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**NOTES:**

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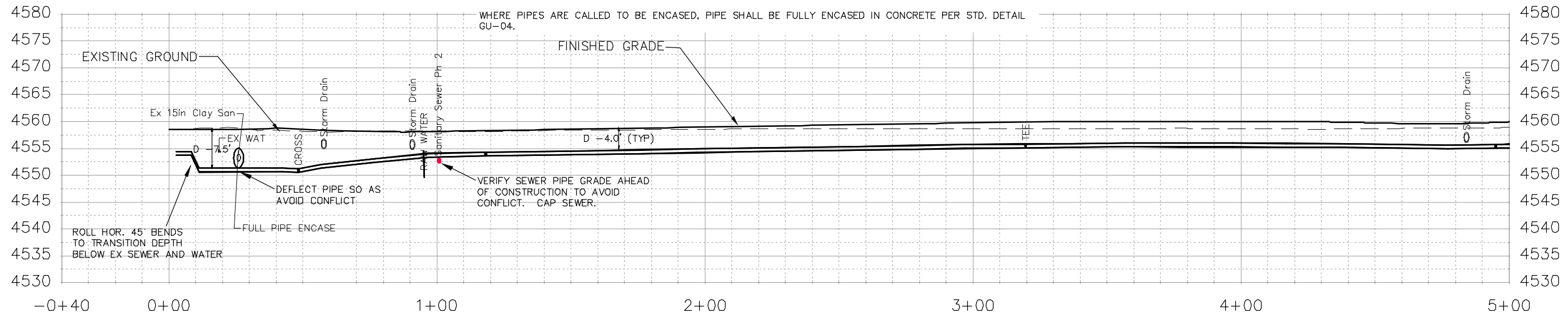
ALL WATER SERVICE LINE SHALL BE 2" PURE CORE HDPE

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ALL BEND, TEES, FITTINGS, DEAD ENDS, ETC.. SHALL BE RESTRAINED WITH CONCRETE THRUST BLOCKS OR MECHANICAL THRUST RESTRAINTS IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD WATERLINE DETAIL W-08 AND W-08A.

WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)

WHERE PIPES ARE CALLED TO BE ENCASED, PIPE SHALL BE FULLY ENCASED IN CONCRETE PER STD. DETAIL GU-04.



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ			JCS	2018
REVISION Δ			JCS	2018
REVISION Δ			TCP	2018
REVISION Δ			ICP	2018

SCALES:
PLAN & PROFILE
0 10 40 HORIZONTAL
0 2.5 10 VERTICAL

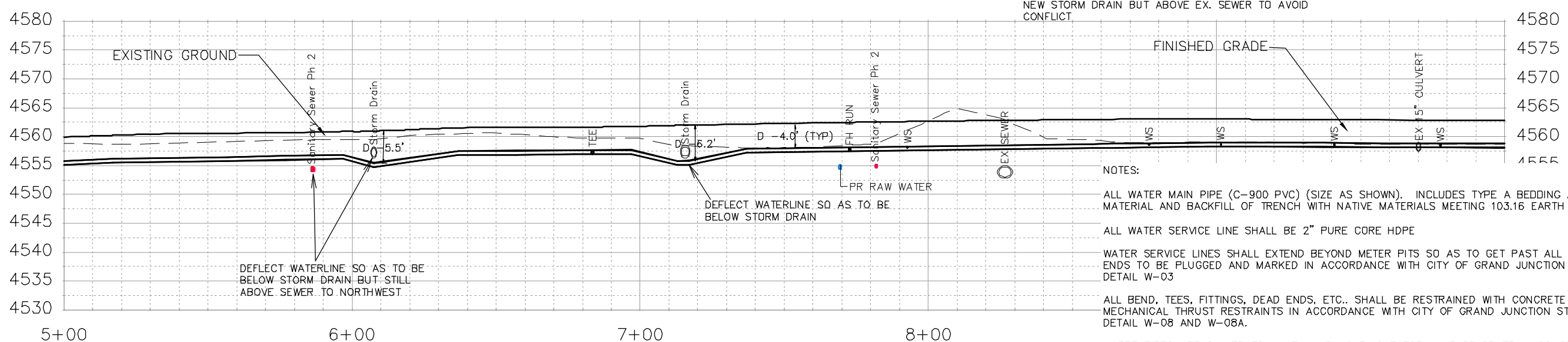
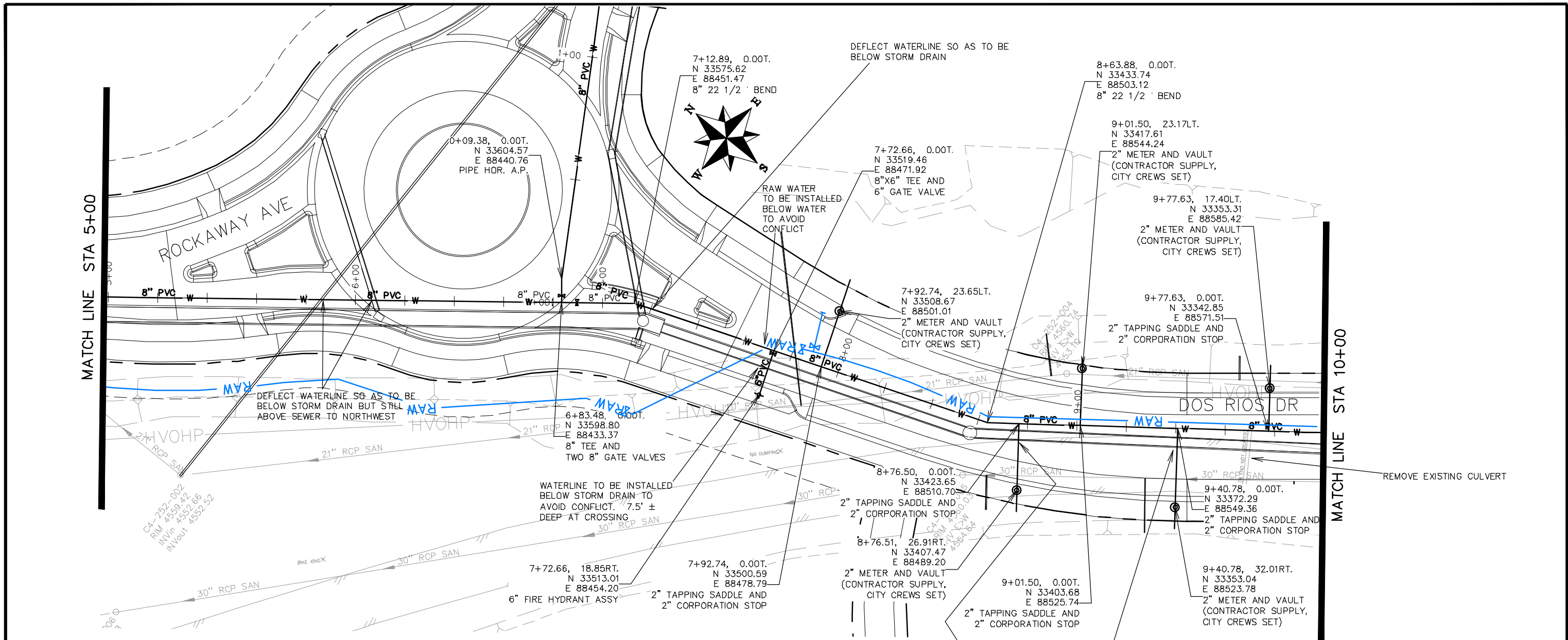


**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-3  
June 19, 2020**

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NOTES:

ALL WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

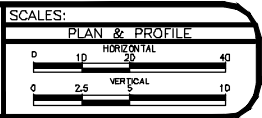
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WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)

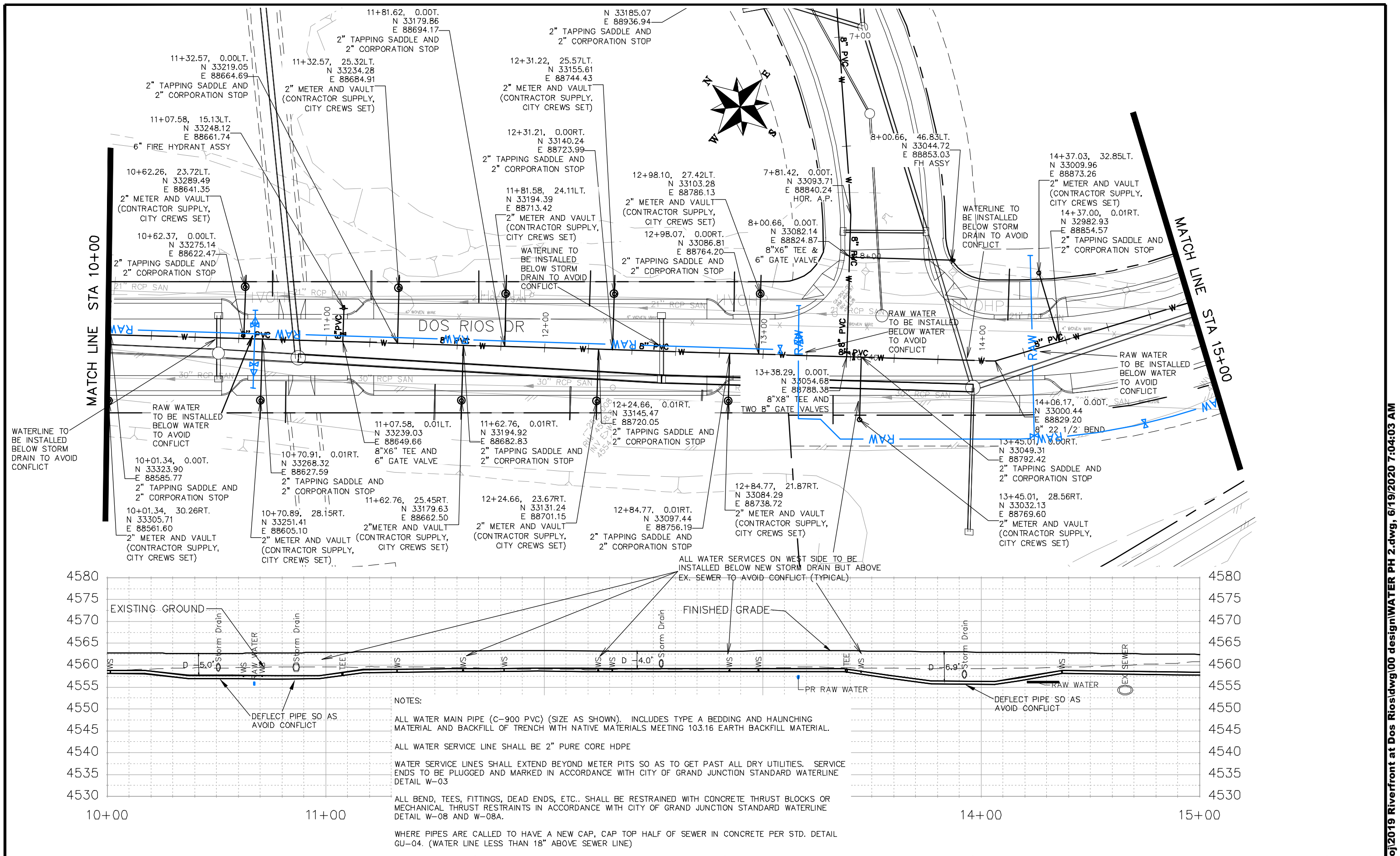
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2018
REVISION			JCS	2018
REVISION			TCP	2018
REVISION			TCP	2018



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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-4  
June 19, 2020

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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION Δ			JCS	2018
REVISION Δ			JCS	2018
REVISION Δ			TCP	2018
REVISION Δ			ICP	2018

SCALE:
PLAN & PROFILE
0 10 20 40 HORIZONTAL
0 2.5 5 10 VERTICAL



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ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-5  
June 19, 2020**

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NOTES:

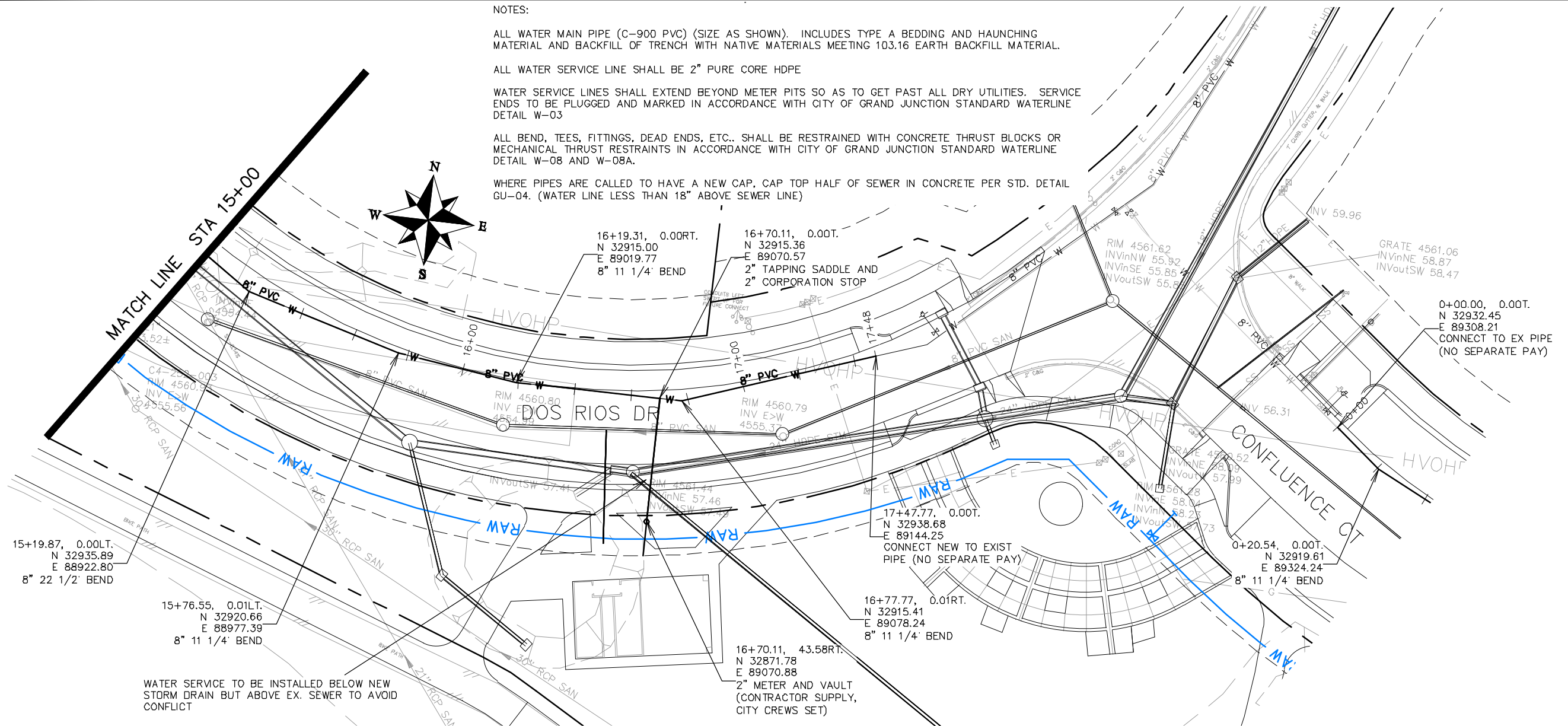
ALL WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

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WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)



15+19.87, 0.00LT.  
N 32935.89  
E 88922.80  
8" 22 1/2' BEND

15+76.55, 0.01LT.  
N 32920.66  
E 88977.39  
8" 11 1/4' BEND

WATER SERVICE TO BE INSTALLED BELOW NEW STORM DRAIN BUT ABOVE EX. SEWER TO AVOID CONFLICT

16+19.31, 0.00RT.  
N 32915.00  
E 89019.77  
8" 11 1/4' BEND

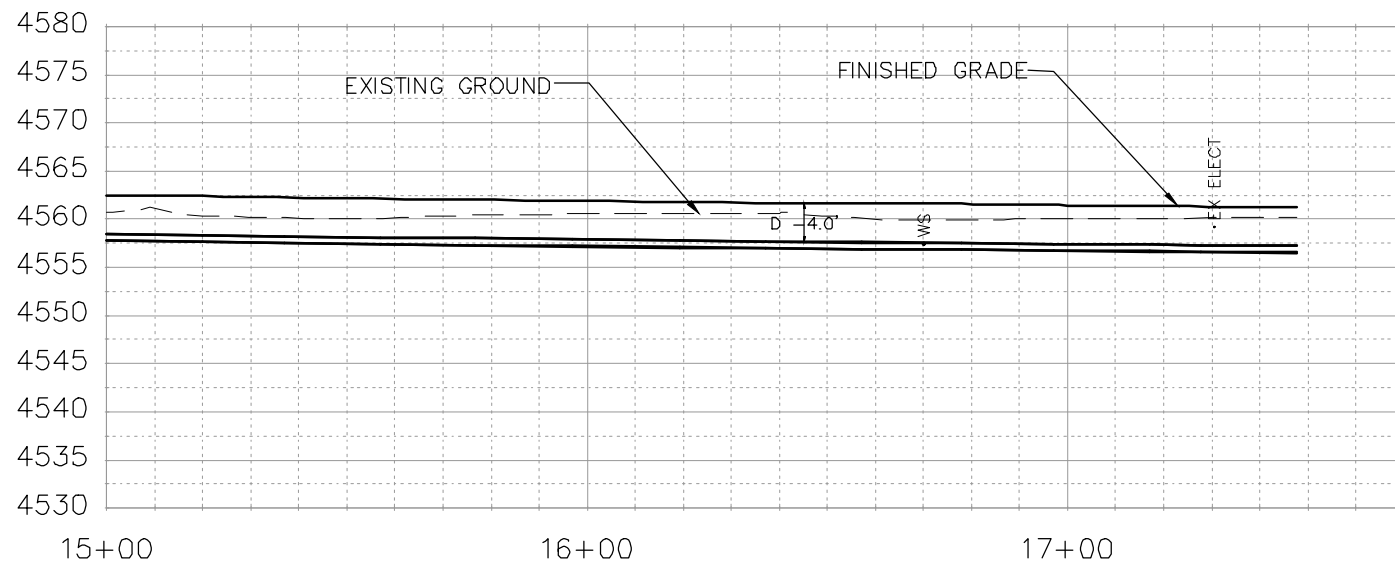
16+70.11, 0.00T.  
N 32915.36  
E 89070.57  
2" TAPPING SADDLE AND  
2" CORPORATION STOP

17+47.77, 0.00T.  
N 32938.68  
E 89144.25  
CONNECT NEW TO EXIST  
PIPE (NO SEPARATE PAY)

16+77.77, 0.01RT.  
N 32915.41  
E 89078.24  
8" 11 1/4' BEND

16+70.11, 43.58RT.  
N 32871.78  
E 89070.88  
2" METER AND VAULT  
(CONTRACTOR SUPPLY,  
CITY CREWS SET)

0+00.00, 0.00T.  
N 32932.45  
E 89308.21  
CONNECT TO EX PIPE  
(NO SEPARATE PAY)



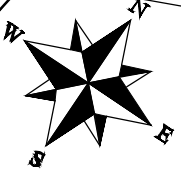
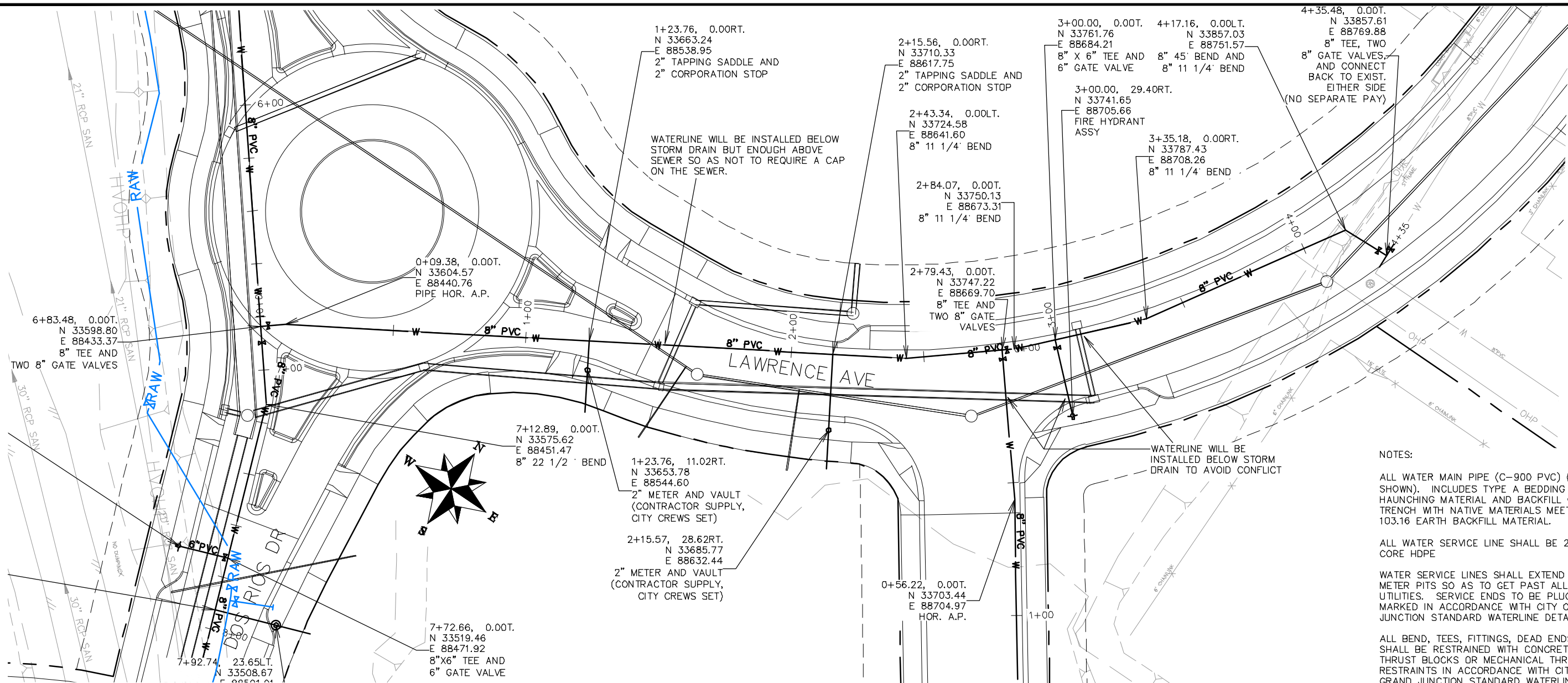
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2018
△			JCS	2018
△			TCP	2018
△			TCP	2018

SCALES:
PLAN & PROFILE
1" = 40'
2" = 10'



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-6  
June 19, 2020



NOTES:

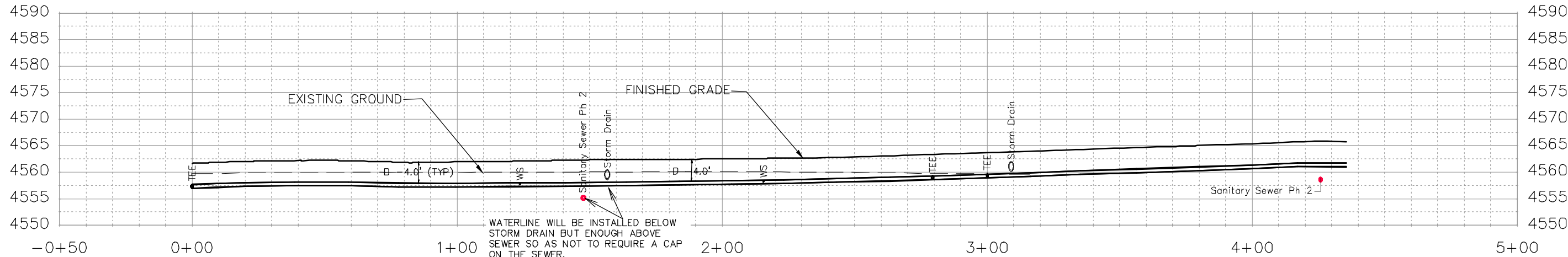
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WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2018
REVISION			JCS	2018
REVISION			TCP	2018
REVISION			TCP	2018

SCALES:
PLAN & PROFILE
0 10 40 HORIZONTAL
0 2.5 10 VERTICAL



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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-7  
June 19, 2020

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NOTES:

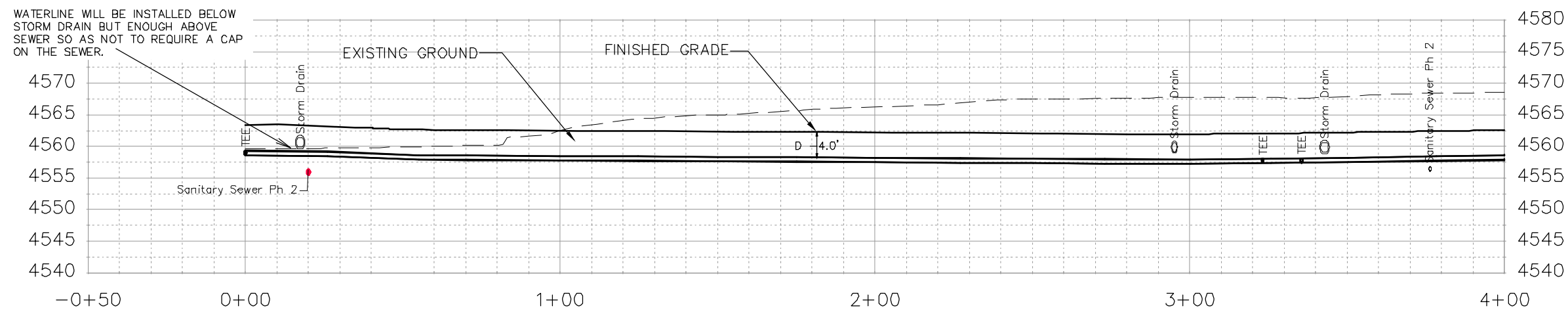
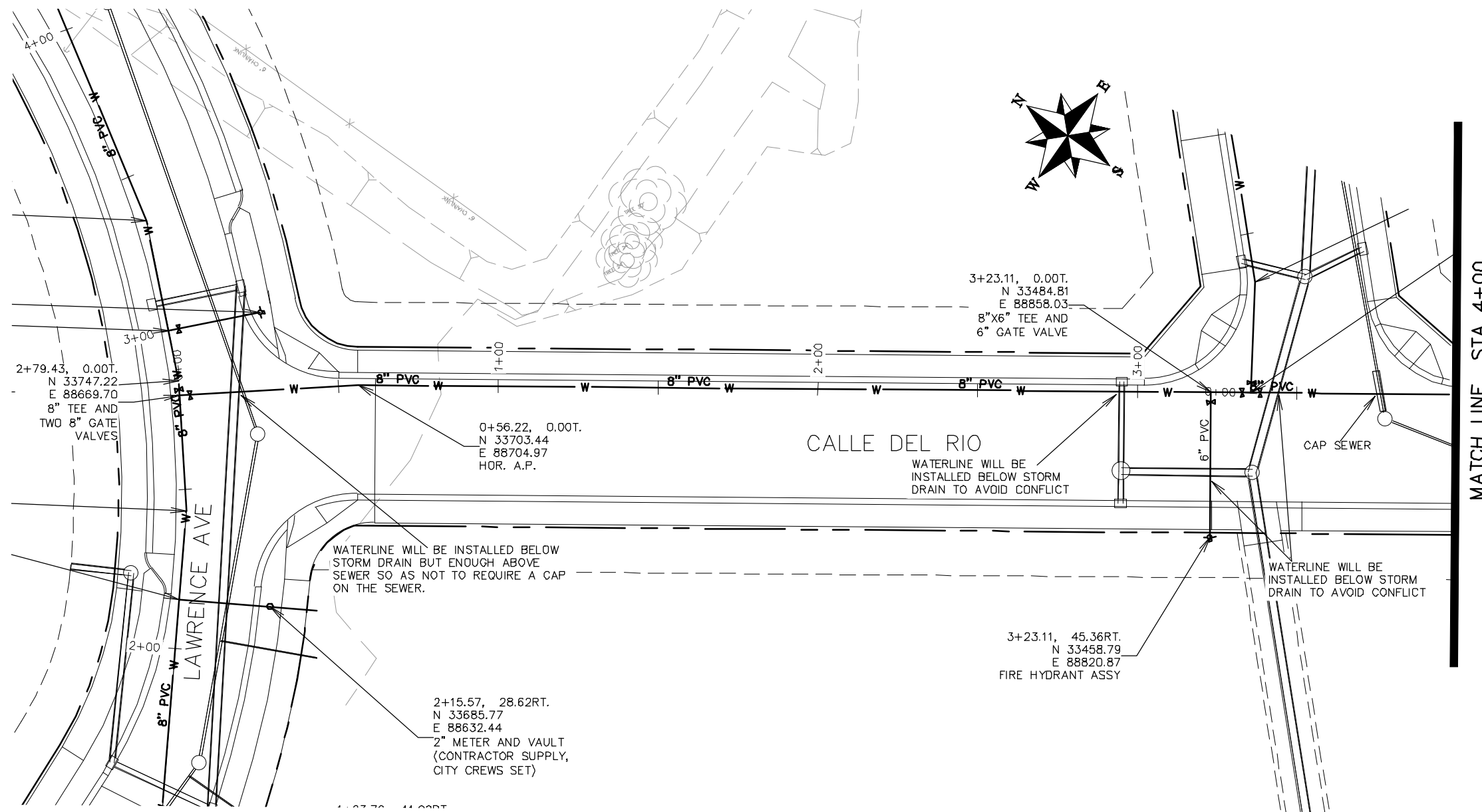
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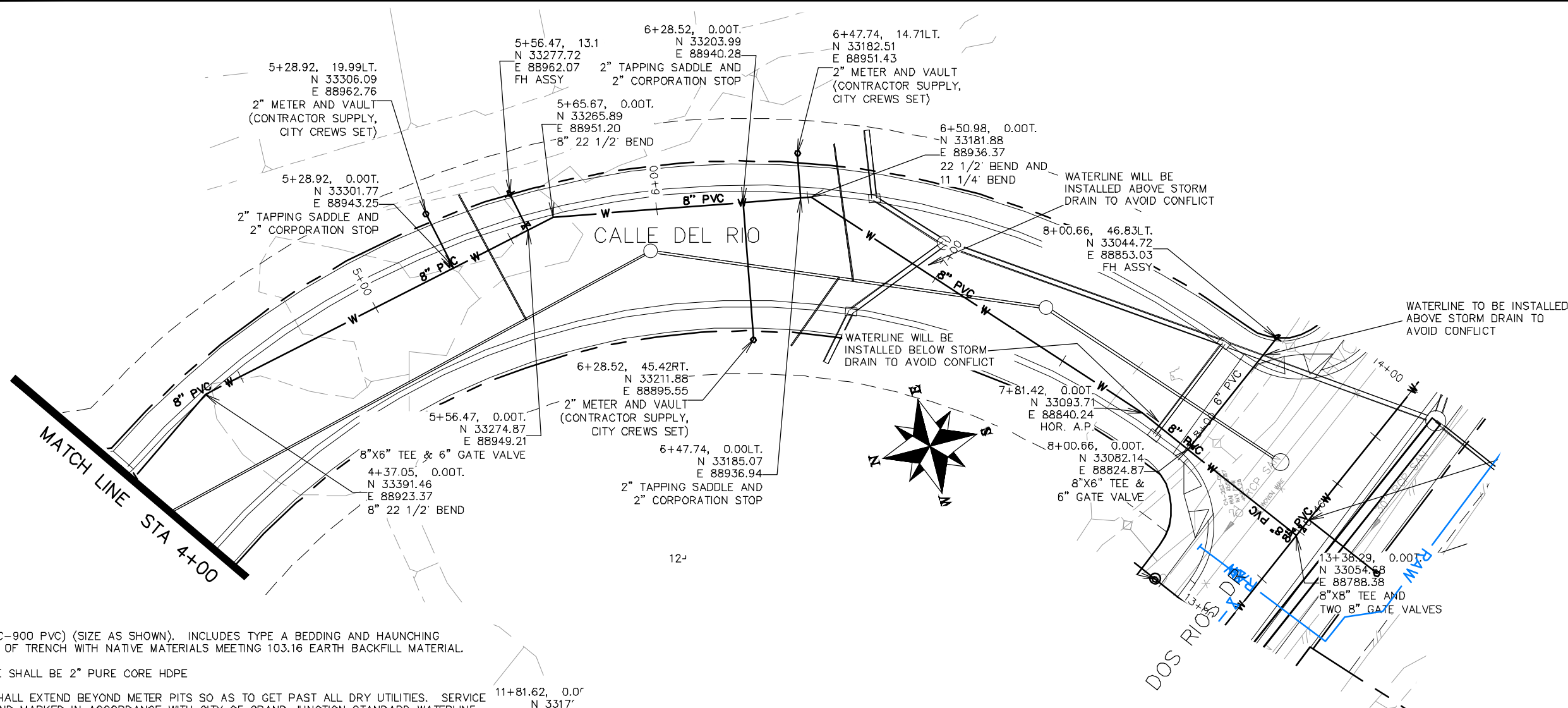
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2018
△			JCS	2018
△			TCP	2018
△			TCP	2018

SCALES:	
0	40
HORIZONTAL	
0	10
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-8  
June 19, 2020



NOTES:

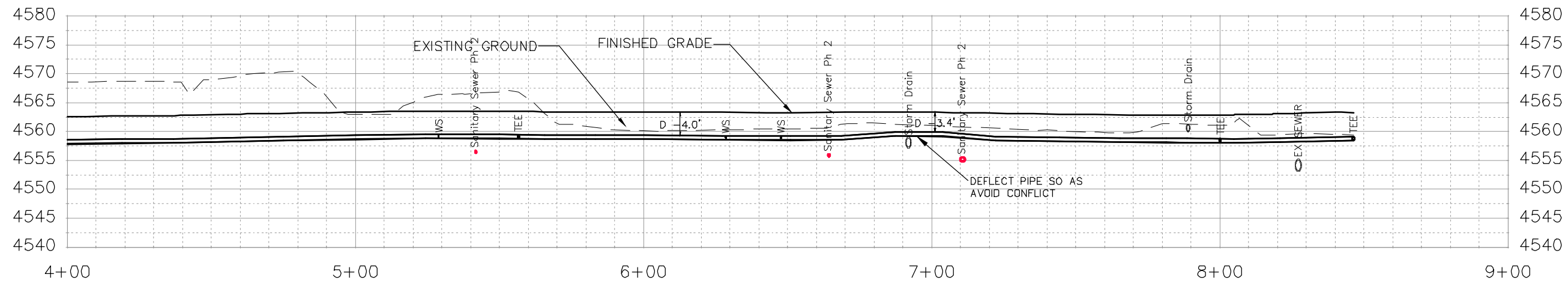
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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2018
REVISION			JCS	2018
REVISION			TCP	2018
REVISION			TCP	2018

SCALES:
PLAN & PROFILE
0 10 40 HORIZONTAL
0 2.5 10 VERTICAL



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ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-9  
June 19, 2020**





NOTES:

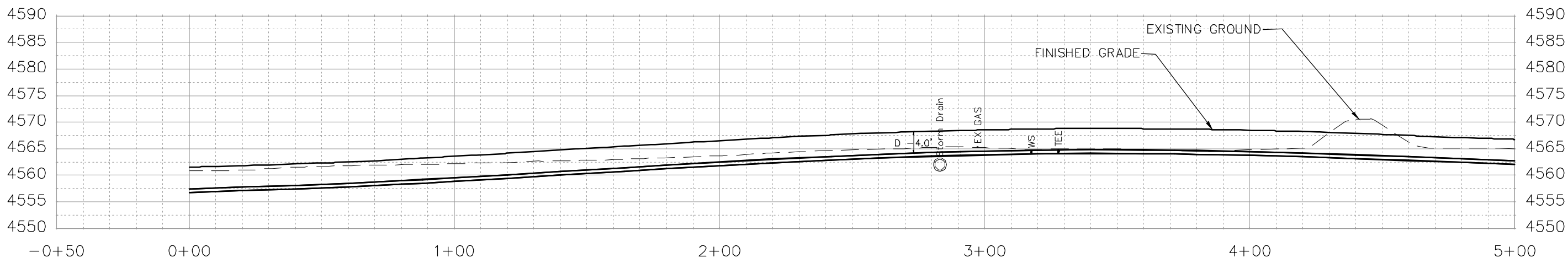
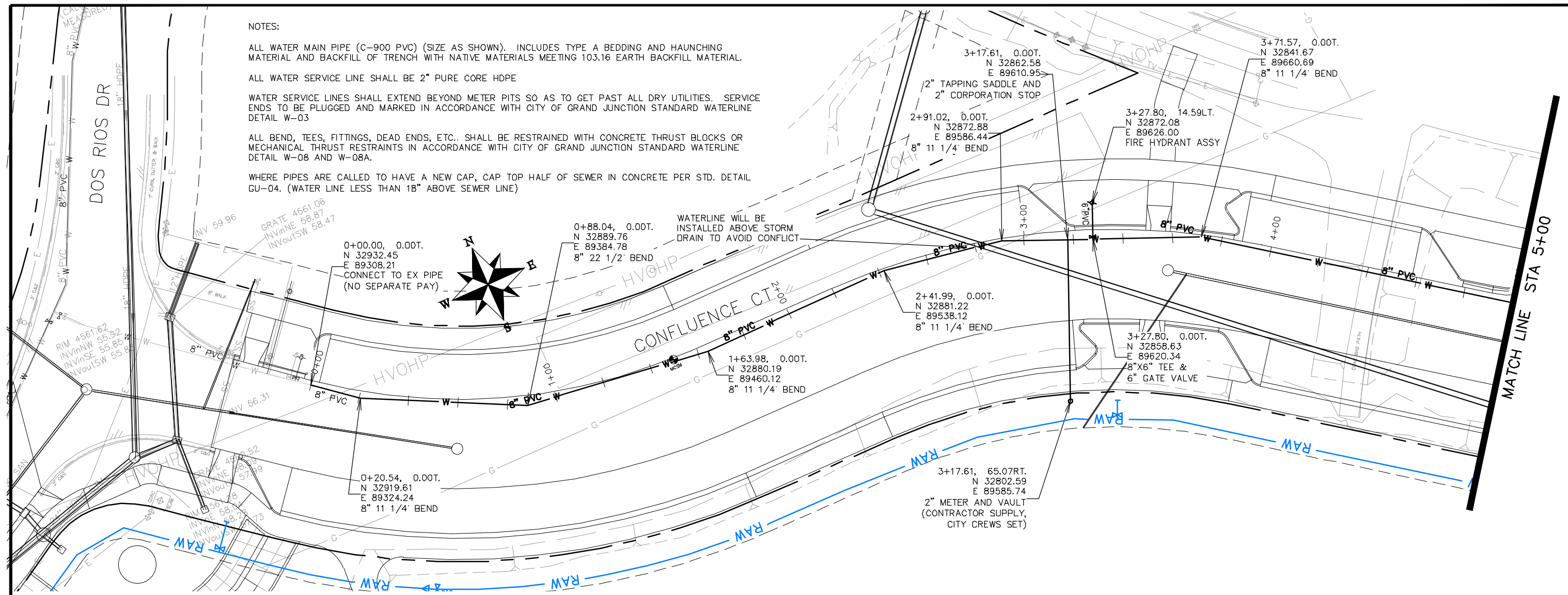
ALL WATER MAIN PIPE (C-900 PVC) (SIZE AS SHOWN). INCLUDES TYPE A BEDDING AND HAUNCHING MATERIAL AND BACKFILL OF TRENCH WITH NATIVE MATERIALS MEETING 103.16 EARTH BACKFILL MATERIAL.

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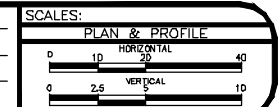
WATER SERVICE LINES SHALL EXTEND BEYOND METER PITS SO AS TO GET PAST ALL DRY UTILITIES. SERVICE ENDS TO BE PLUGGED AND MARKED IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARD WATERLINE DETAIL W-03

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WHERE PIPES ARE CALLED TO HAVE A NEW CAP, CAP TOP HALF OF SEWER IN CONCRETE PER STD. DETAIL GU-04. (WATER LINE LESS THAN 18" ABOVE SEWER LINE)



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2018
△			JCS	2018
△			TCP	2018
△			TCP	2018



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THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-11  
June 19, 2020

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NOTES:

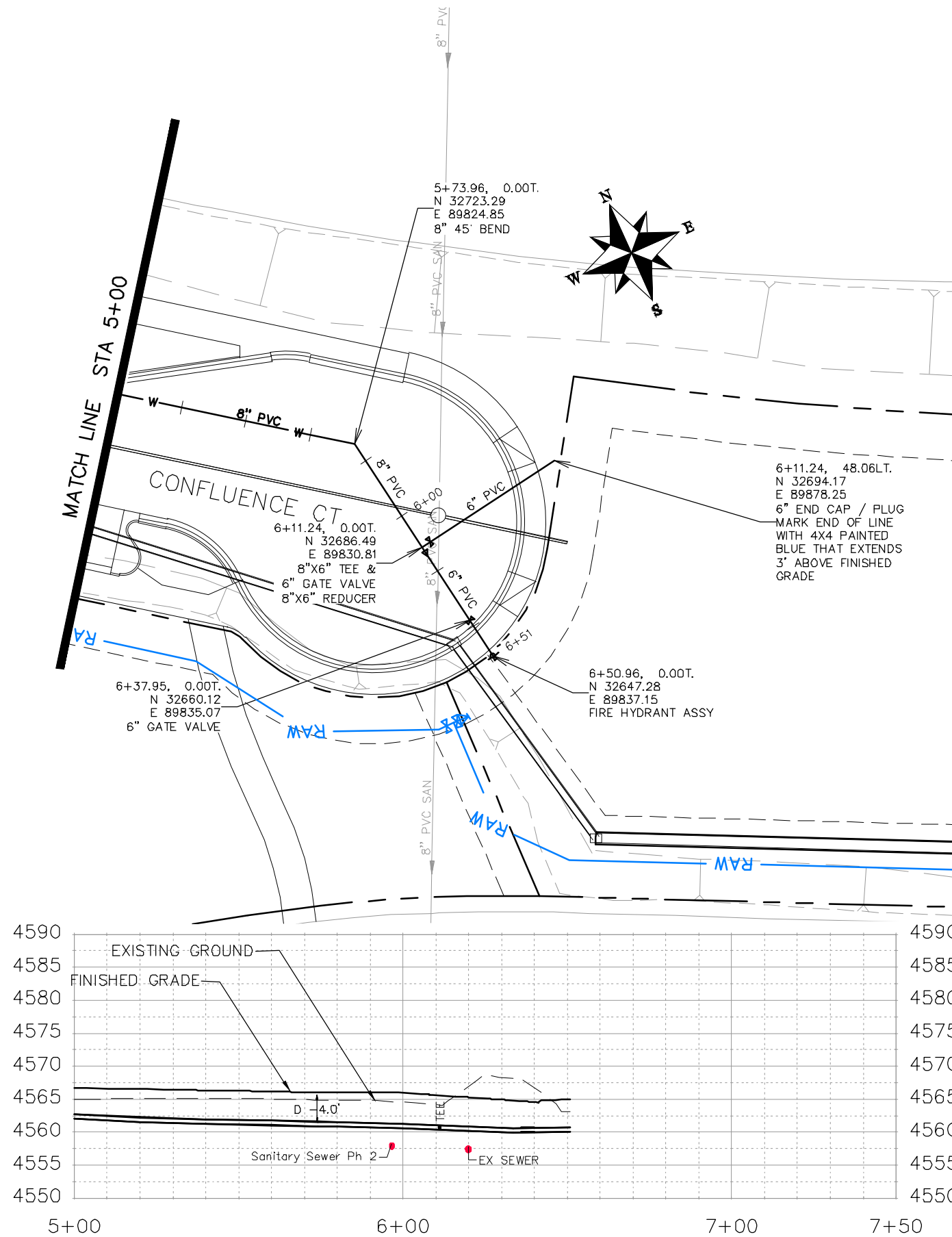
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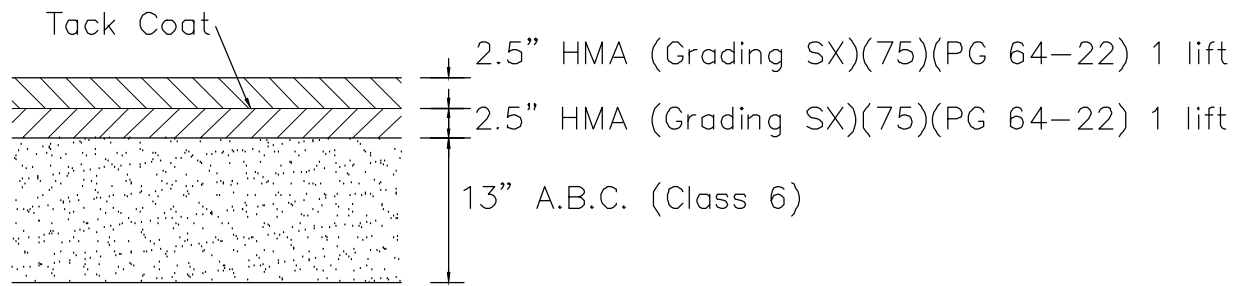
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2018
△			JCS	2018
△			TCP	2018
△			ICP	2018

SCALES:	
0	40
HORIZONTAL	
0	10
VERTICAL	

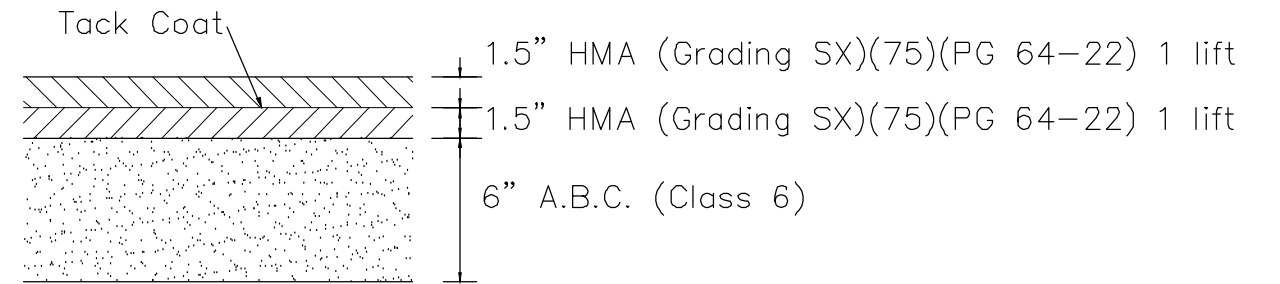


PUBLIC WORKS  
ENGINEERING DIVISION

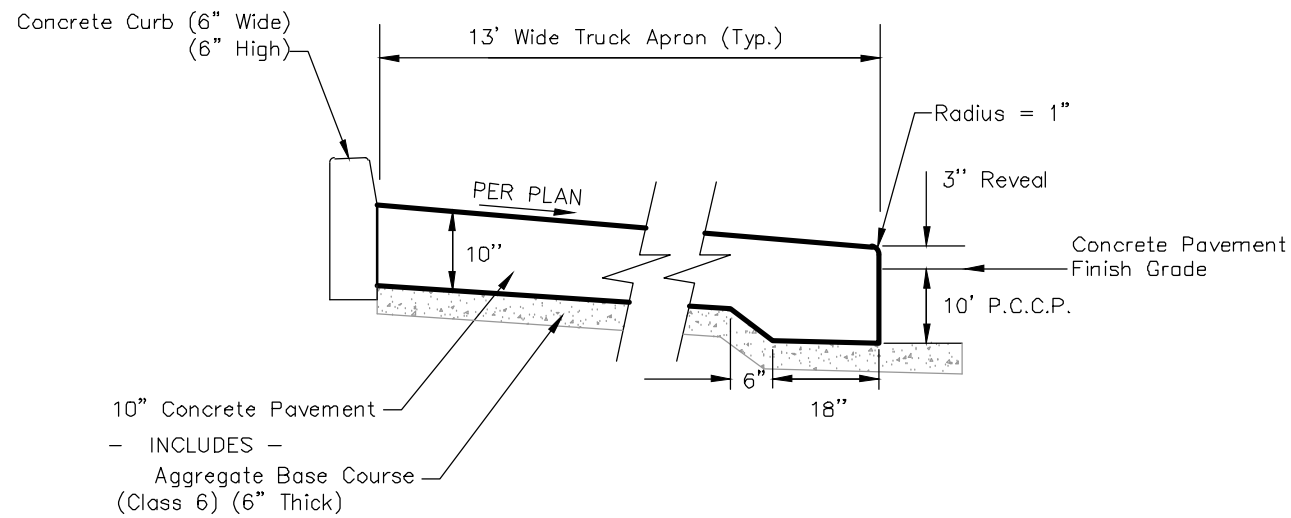
THE RIVERFRONT AT DOS RIOS  
WATER PH 2 - W-12  
June 19, 2020



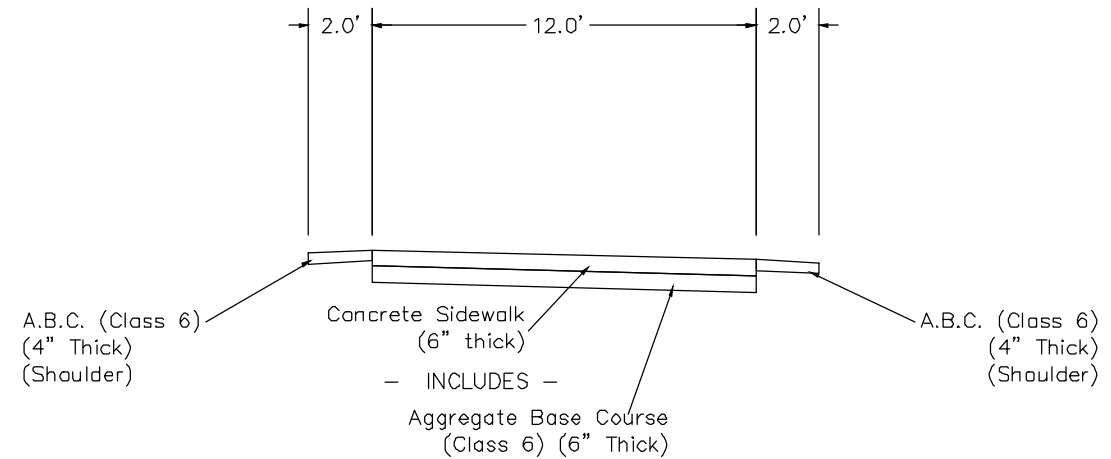
ROADWAY ASPHALT PAVEMENT DETAIL



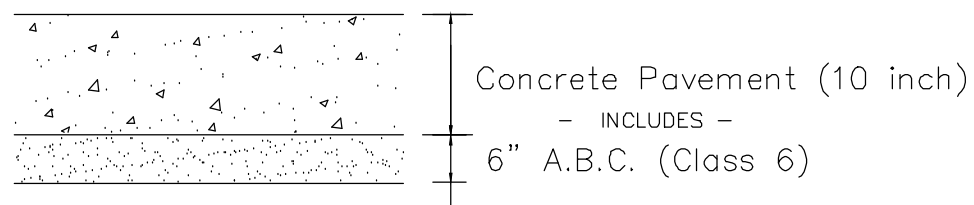
DRIVEWAY ASPHALT PAVEMENT DETAIL



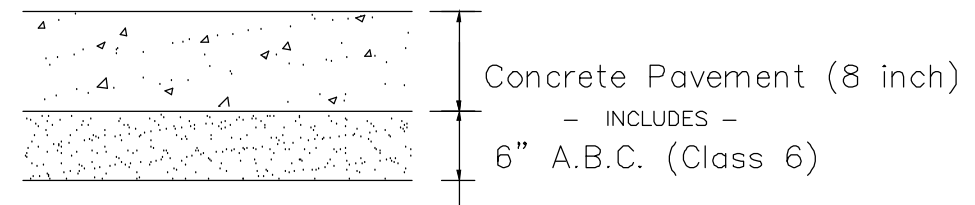
TRUCK APRON SECTION



COLORADO RIVER TRAIL SECTION



CONCRETE PAVEMENT SECTION (10" THICK) (ROUNDAABOUT)



CONCRETE PAVEMENT SECTION (8" THICK)  
 (ON STREET PARKING)

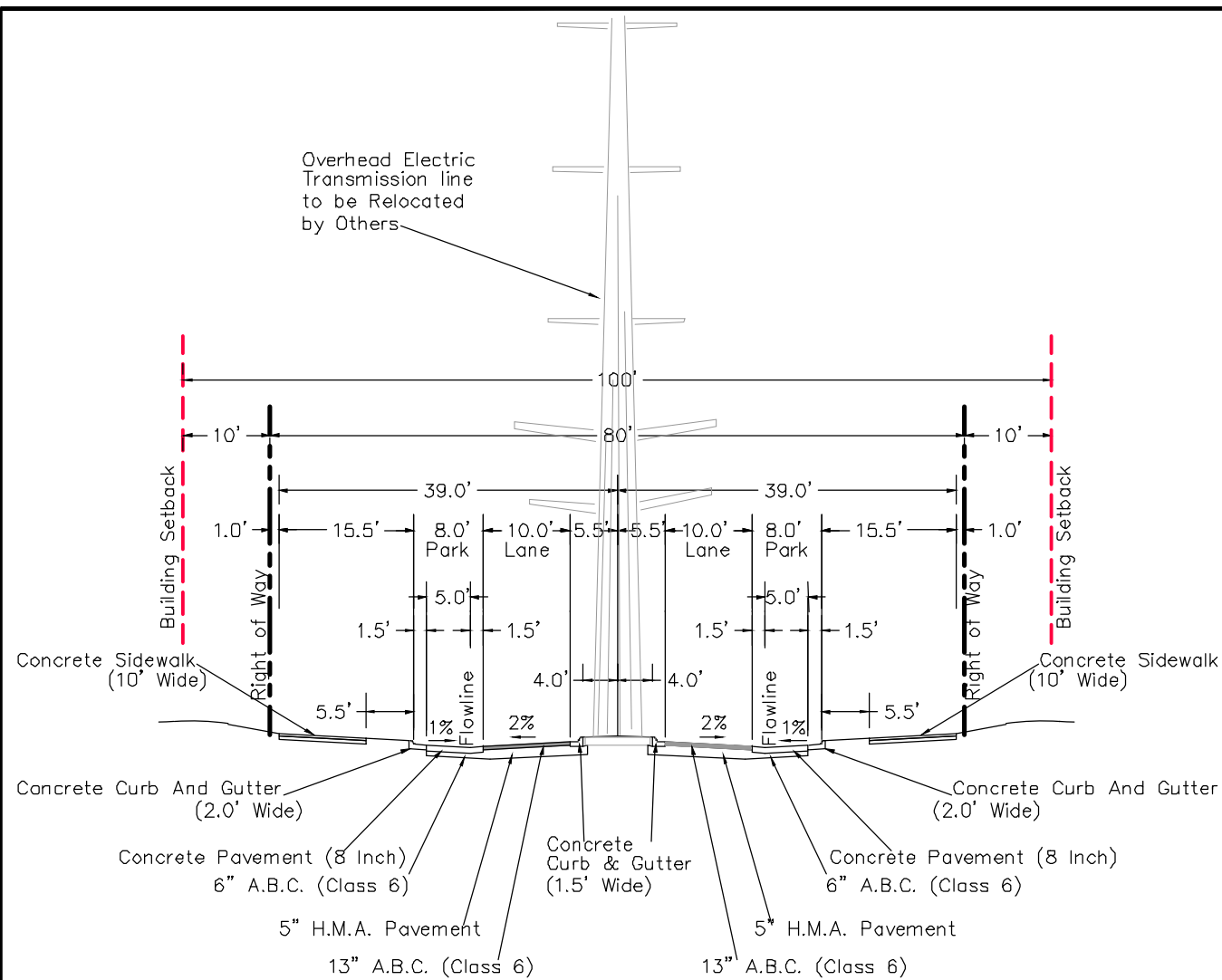
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			TCP	2019
△			TCP	2019

SCALES:	
PLAN & PROFILE	
HORIZONTAL	1" = 10'
VERTICAL	1" = 4"

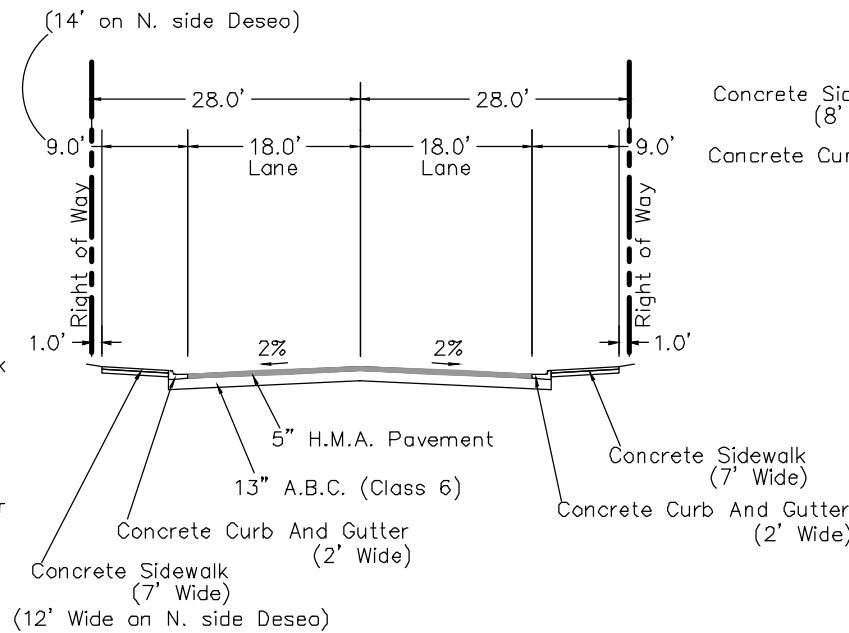


**PUBLIC WORKS  
 ENGINEERING DIVISION**

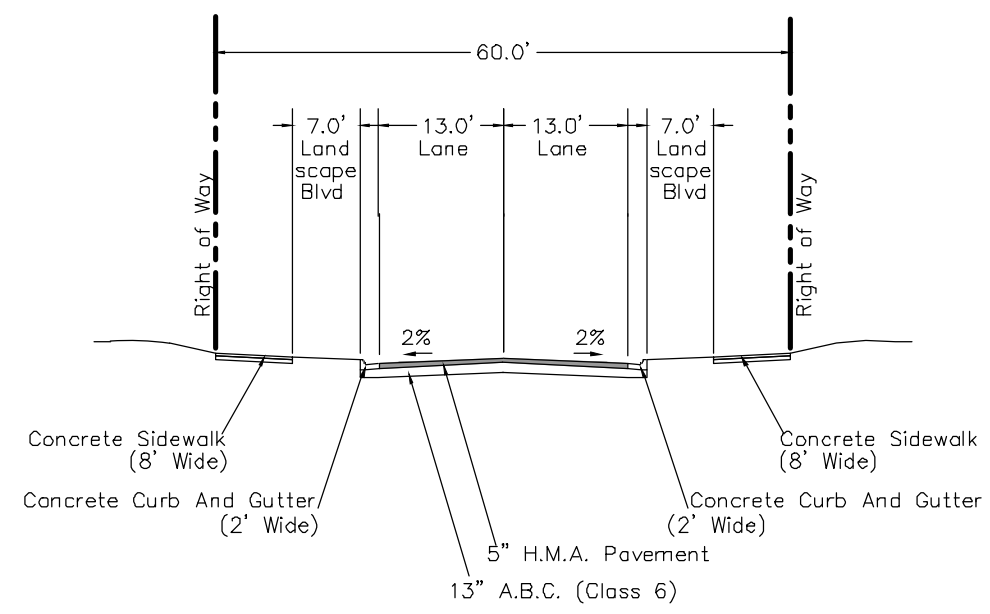
**THE RIVERFRONT AT DOS RIOS  
 TYPICAL CROSS SECTIONS - 1  
 June 19, 2020**



**TYPICAL SECTION  
HALE AVENUE FROM PARK TO RIVERSIDE PARKWAY**



**TYPICAL SECTION  
CALLE DEL RIO AND DESEO DRIVE**

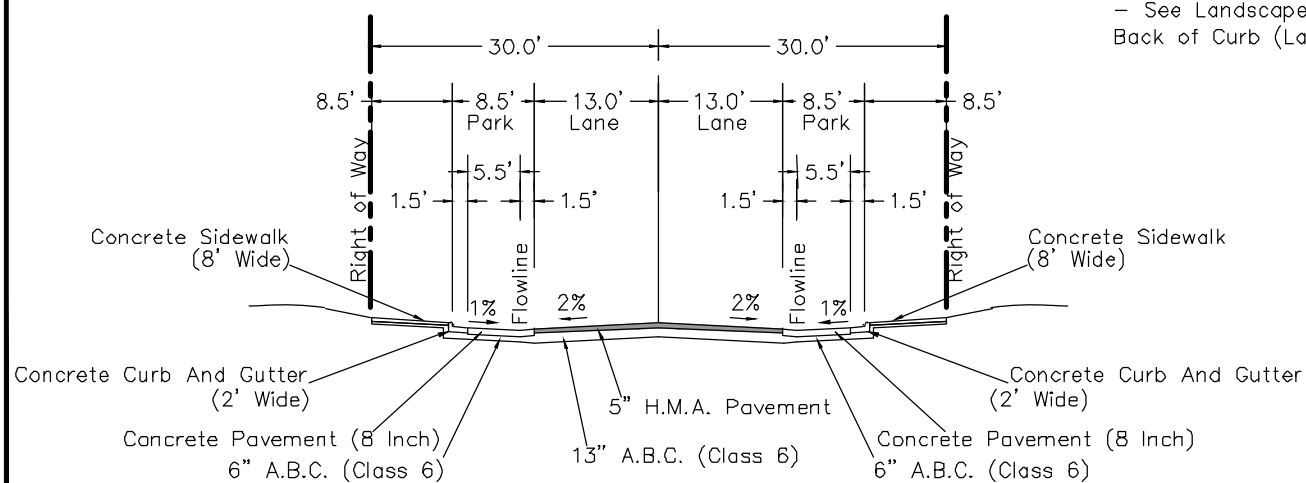


**TYPICAL SECTION  
ROCKAWAY AVE FROM HALE TO ROUNDABOUT**

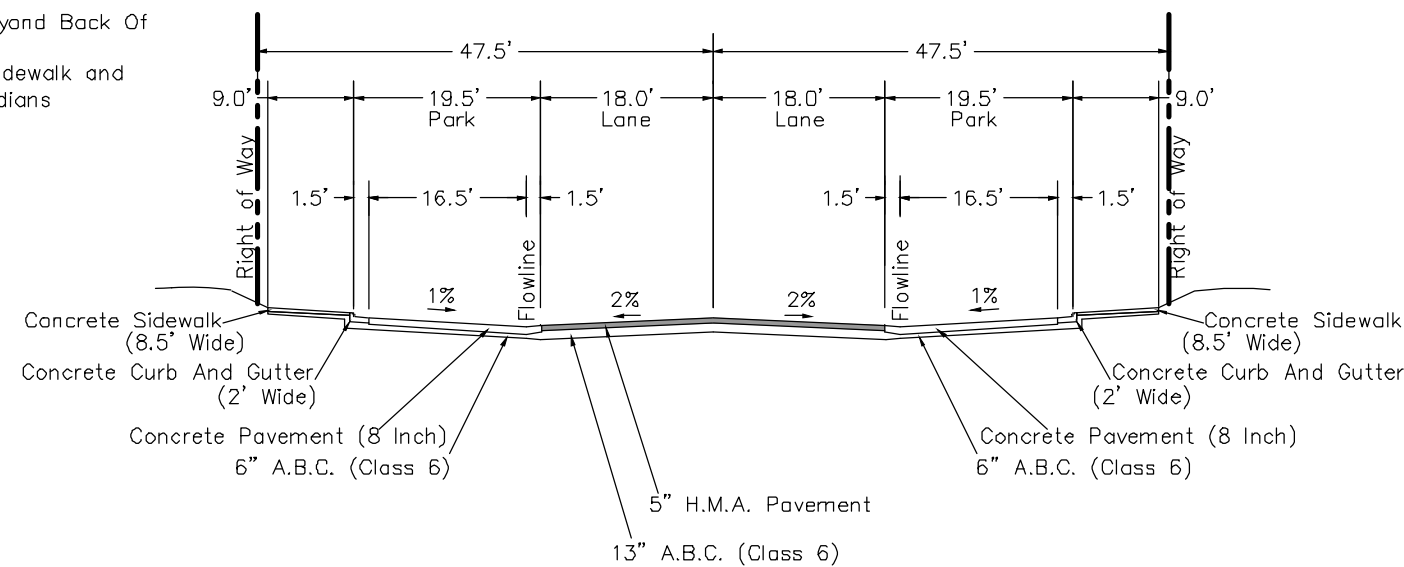
**TYPICAL SECTION NOTES**

STATIONING REFERENCE IS GENERAL - SEE PLANS FOR MORE INFO  
P.C.C.P. ~ Portland Cement Concrete Pavement  
H.M.A. ~ Hot Mix Asphalt  
A.B.C. ~ Aggregate Base Course

- Notes:
- Extend Full Pavement Base Section 6" Beyond Back Of Curbs (Typical)
  - See Landscape Plans For Work Between Sidewalk and Back of Curb (Landscape Boulevard) and Medians



**TYPICAL SECTION  
LAWRENCE AVENUE FROM ROUNDABOUT TO HALE  
DOS RIOS DR FROM ROUNDABOUT TO CONFLUENCE CT**



**TYPICAL SECTION  
CONFLUENCE CT**

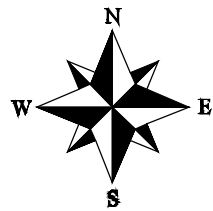
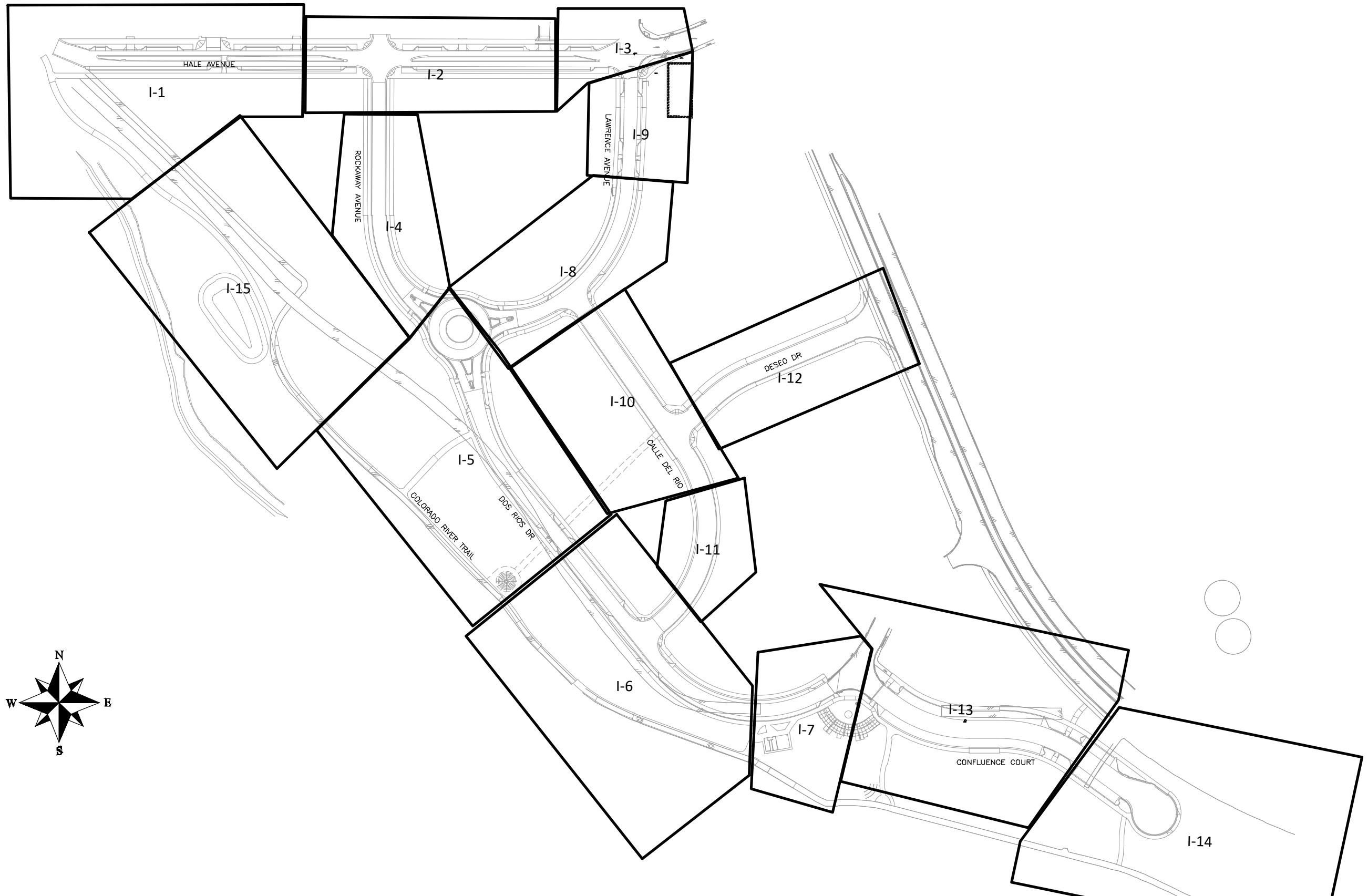
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			TCP	2019
REVISION			TCP	2019

SCALES:	
0	20
HORIZONTAL	
0	14
VERTICAL	



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**THE RIVERFRONT AT DOS RIOS  
TYPICAL CROSS SECTIONS - 2  
June 19, 2020**



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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△			JCS	2019	
△			BH	2019	
△			TCP	2019	

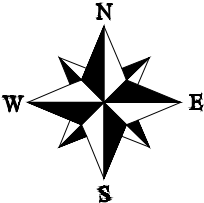
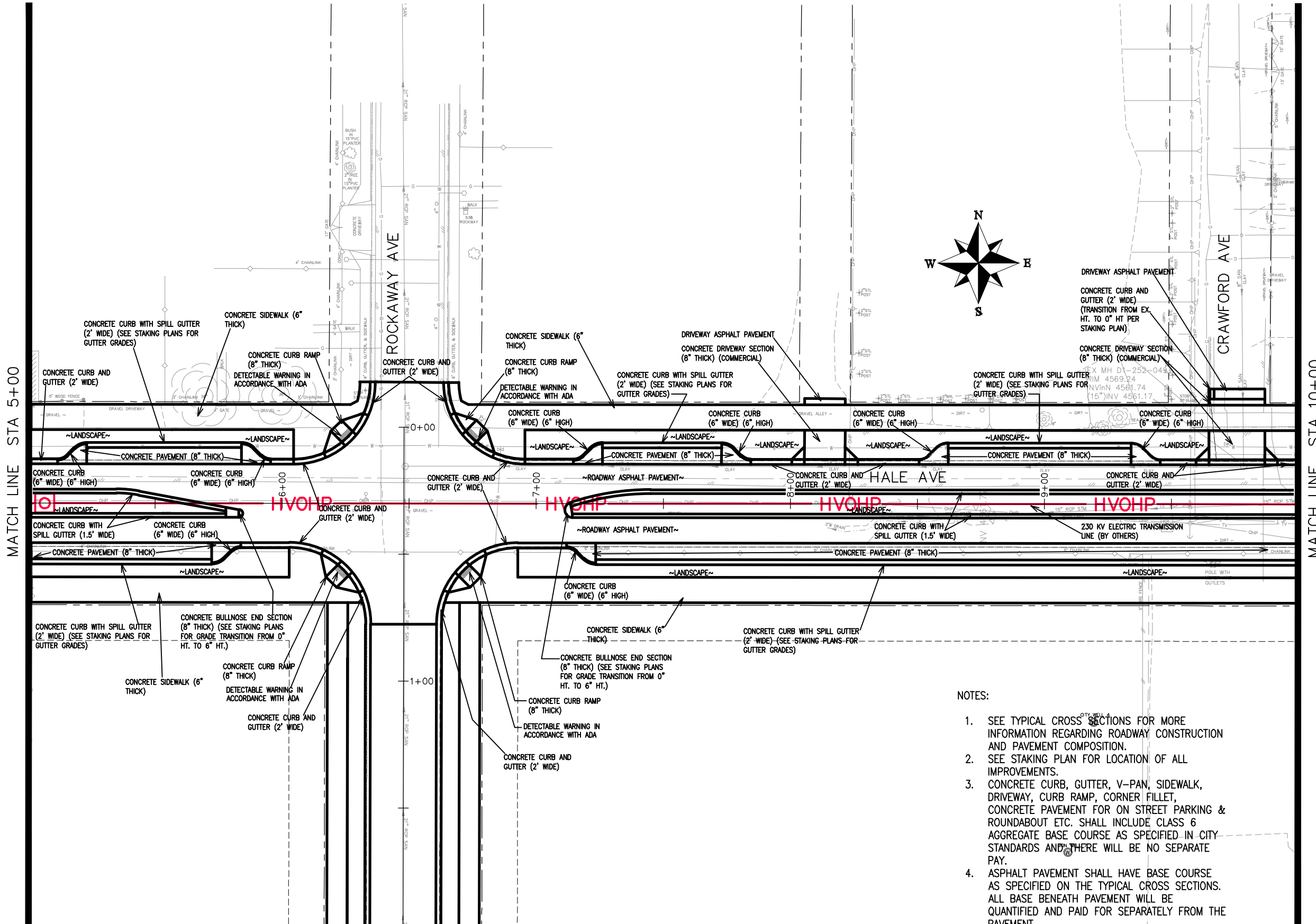


**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN SHEET INDEX  
June 19, 2020**







- NOTES:
1. SEE TYPICAL CROSS SECTIONS FOR MORE INFORMATION REGARDING ROADWAY CONSTRUCTION AND PAVEMENT COMPOSITION.
  2. SEE STAKING PLAN FOR LOCATION OF ALL IMPROVEMENTS.
  3. CONCRETE CURB, GUTTER, V-PAN, SIDEWALK, DRIVEWAY, CURB RAMP, CORNER FILLET, CONCRETE PAVEMENT FOR ON STREET PARKING & ROUNDABOUT ETC. SHALL INCLUDE CLASS 6 AGGREGATE BASE COURSE AS SPECIFIED IN CITY STANDARDS AND THERE WILL BE NO SEPARATE PAY.
  4. ASPHALT PAVEMENT SHALL HAVE BASE COURSE AS SPECIFIED ON THE TYPICAL CROSS SECTIONS. ALL BASE BENEATH PAVEMENT WILL BE QUANTIFIED AND PAID FOR SEPARATELY FROM THE PAVEMENT.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JCS	2019
REVISION			JCS	2019
REVISION			BH	2019
REVISION			ICP	2019

SCALES:
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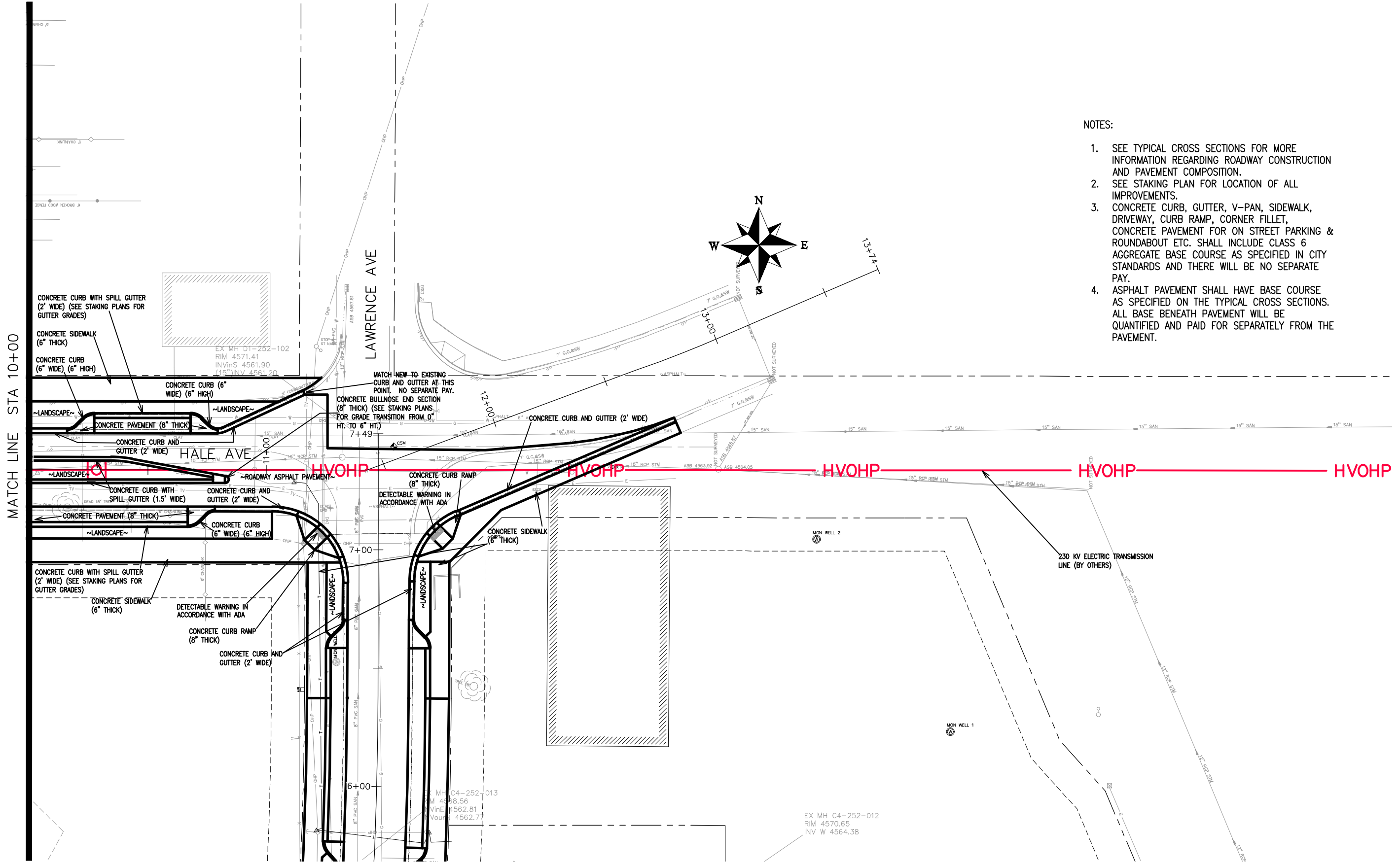
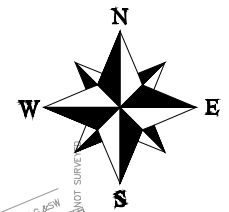


PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN - I-2  
June 19, 2020

NOTES:

1. SEE TYPICAL CROSS SECTIONS FOR MORE INFORMATION REGARDING ROADWAY CONSTRUCTION AND PAVEMENT COMPOSITION.
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3. CONCRETE CURB, GUTTER, V-PAN, SIDEWALK, DRIVEWAY, CURB RAMP, CORNER FILLET, CONCRETE PAVEMENT FOR ON STREET PARKING & ROUNDABOUT ETC. SHALL INCLUDE CLASS 6 AGGREGATE BASE COURSE AS SPECIFIED IN CITY STANDARDS AND THERE WILL BE NO SEPARATE PAY.
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REVISION	DESCRIPTION	DATE
REVISION Δ		
REVISION Δ		
REVISION Δ		
REVISION Δ		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019

SCALES:
PLAN & PROFILE
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0 NA 1:1 VERTICAL

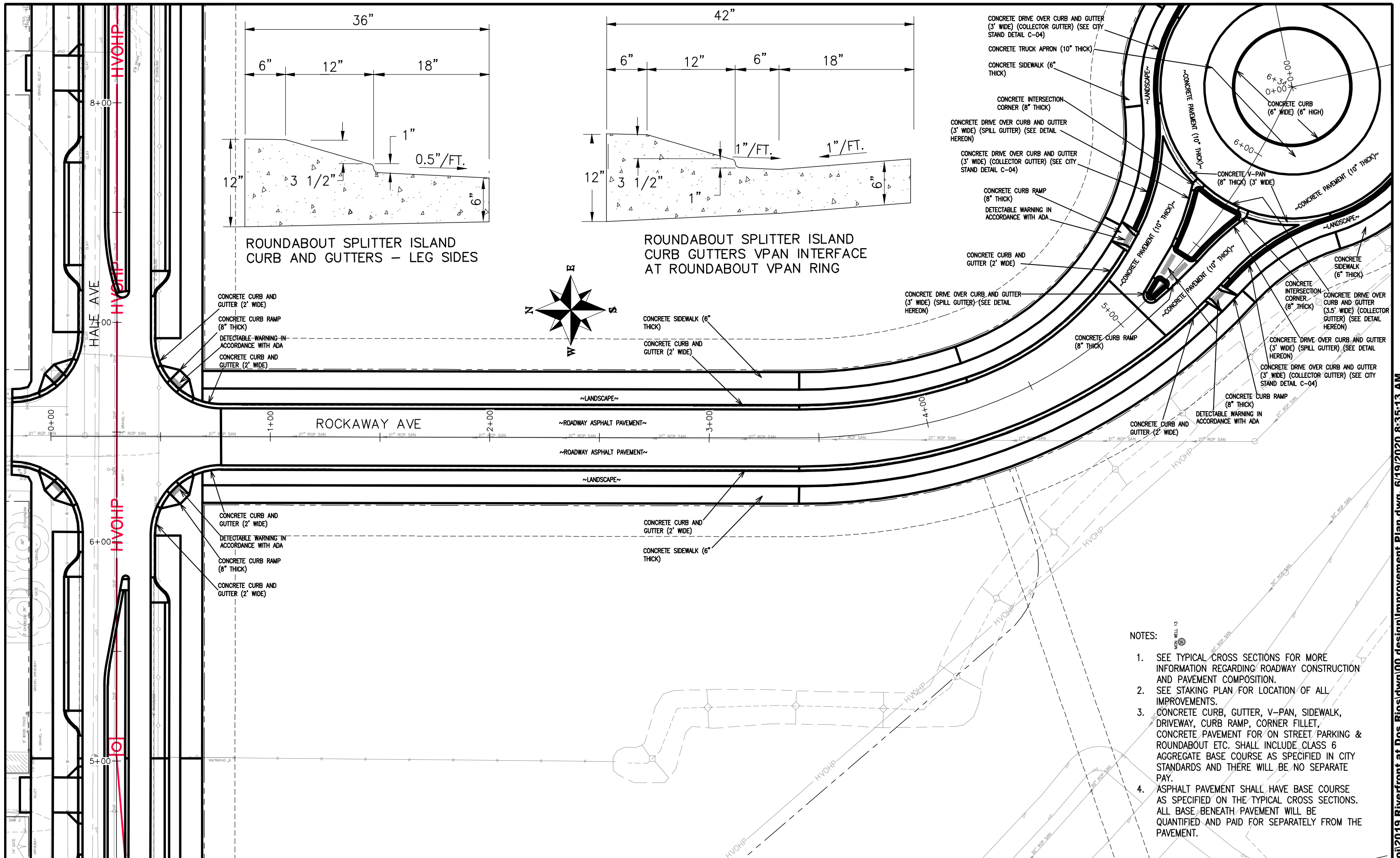


PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN - I-3  
June 19, 2020

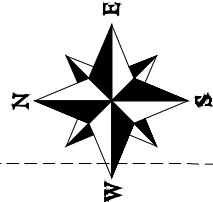
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ROUNDBOUT SPLITTER ISLAND CURB AND GUTTERS – LEG SIDES

ROUNDBOUT SPLITTER ISLAND CURB GUTTERS VPAN INTERFACE AT ROUNDBOUT VPAN RING



- CONCRETE DRIVE OVER CURB AND GUTTER (3' WIDE) (COLLECTOR GUTTER) (SEE CITY STAND DETAIL C-04)
- CONCRETE TRUCK APRON (10" THICK)
- CONCRETE SIDEWALK (6" THICK)
- CONCRETE INTERSECTION CORNER (8" THICK)
- CONCRETE DRIVE OVER CURB AND GUTTER (3' WIDE) (SPILL GUTTER) (SEE DETAIL HEREON)
- CONCRETE DRIVE OVER CURB AND GUTTER (3' WIDE) (COLLECTOR GUTTER) (SEE CITY STAND DETAIL C-04)
- CONCRETE CURB RAMP (8" THICK) DETECTABLE WARNING IN ACCORDANCE WITH ADA
- CONCRETE CURB AND GUTTER (2' WIDE)
- CONCRETE DRIVE OVER CURB AND GUTTER (3' WIDE) (SPILL GUTTER) (SEE DETAIL HEREON)
- CONCRETE DRIVE OVER CURB AND GUTTER (3' WIDE) (COLLECTOR GUTTER) (SEE CITY STAND DETAIL C-04)
- CONCRETE CURB RAMP (8" THICK) DETECTABLE WARNING IN ACCORDANCE WITH ADA
- CONCRETE CURB AND GUTTER (2' WIDE)
- CONCRETE DRIVE OVER CURB AND GUTTER (3' WIDE) (SPILL GUTTER) (SEE DETAIL HEREON)
- CONCRETE DRIVE OVER CURB AND GUTTER (3' WIDE) (COLLECTOR GUTTER) (SEE CITY STAND DETAIL C-04)
- CONCRETE CURB RAMP (8" THICK) DETECTABLE WARNING IN ACCORDANCE WITH ADA
- CONCRETE CURB AND GUTTER (2' WIDE)

- NOTES:
1. SEE TYPICAL CROSS SECTIONS FOR MORE INFORMATION REGARDING ROADWAY CONSTRUCTION AND PAVEMENT COMPOSITION.
  2. SEE STAKING PLAN FOR LOCATION OF ALL IMPROVEMENTS.
  3. CONCRETE CURB, GUTTER, V-PAN, SIDEWALK, DRIVEWAY, CURB RAMP, CORNER FILLET, CONCRETE PAVEMENT FOR ON STREET PARKING & ROUNDBOUT ETC. SHALL INCLUDE CLASS 6 AGGREGATE BASE COURSE AS SPECIFIED IN CITY STANDARDS AND THERE WILL BE NO SEPARATE PAY.
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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2019	PLAN & PROFILE
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REVISION			BH	2019	0 NA 1"=10' VERTICAL
REVISION			TCP	2019	

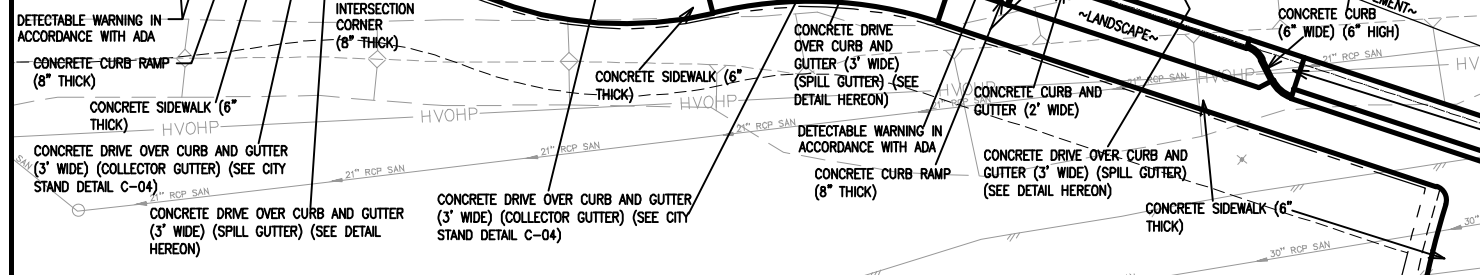
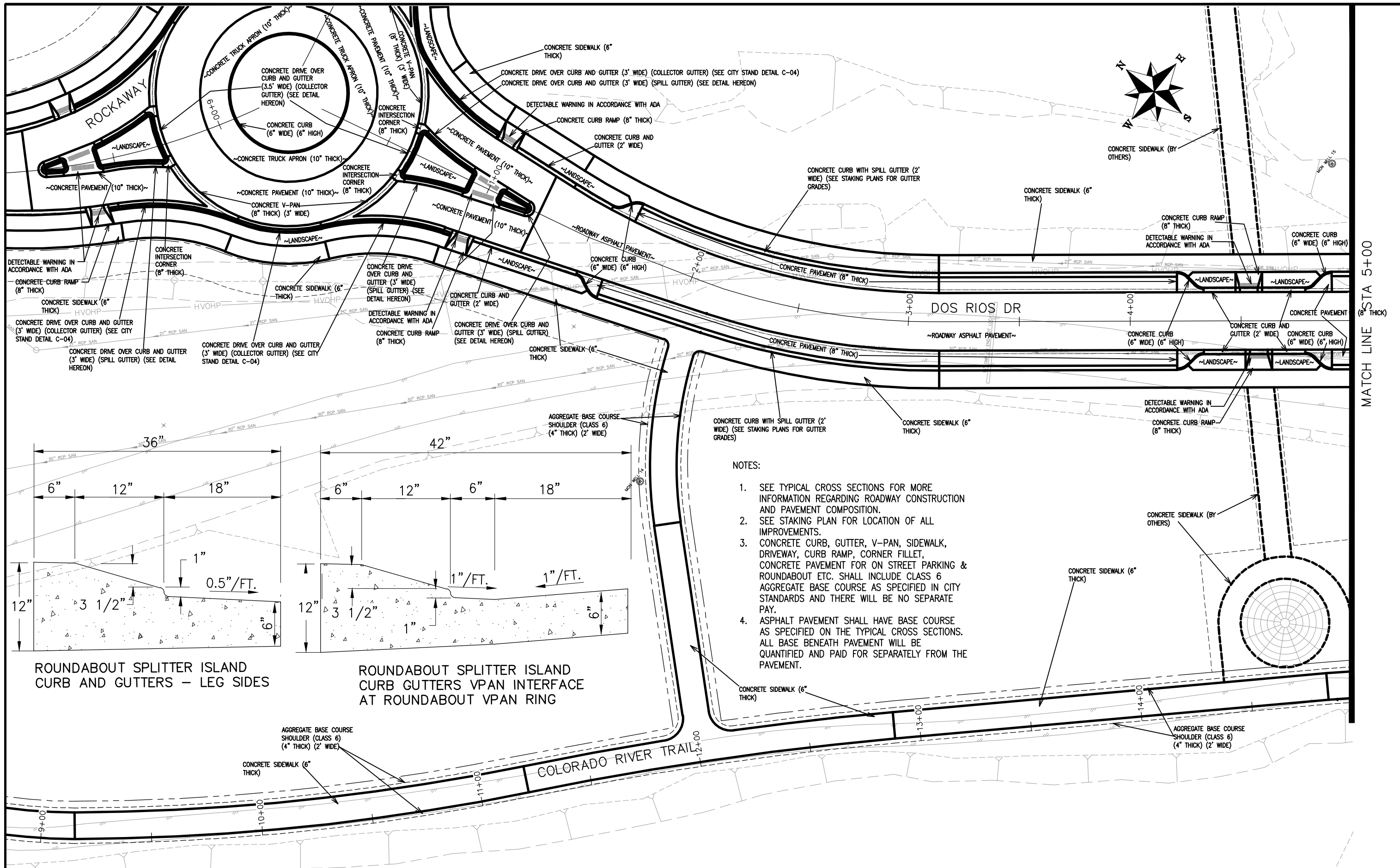


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THE RIVERFRONT AT DOS RIOS IMPROVEMENT PLAN – I-4  
June 19, 2020

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- NOTES:
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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
REVISION			JCS	2019	PLAN & PROFILE
REVISION			JCS	2019	0" = 10' HORIZONTAL
REVISION			BH	2019	0" = 1" VERTICAL
REVISION			TCP	2019	

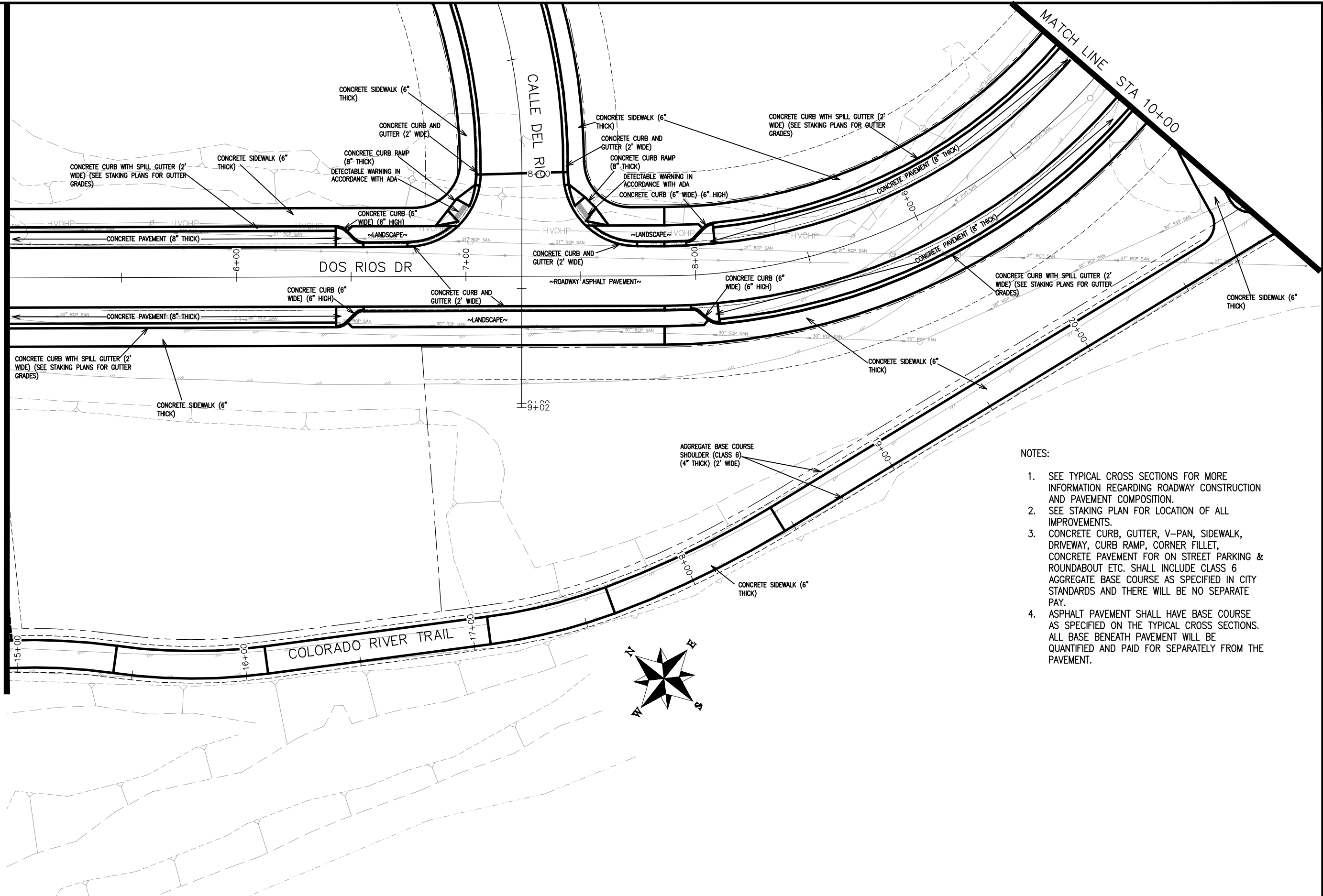


PUBLIC WORKS  
ENGINEERING DIVISION

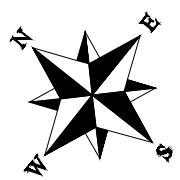
THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN - I-5  
June 19, 2020

MATCH LINE STA 5+00

MATCH LINE STA 10+00



- NOTES:
1. SEE TYPICAL CROSS SECTIONS FOR MORE INFORMATION REGARDING ROADWAY CONSTRUCTION AND PAVEMENT COMPOSITION.
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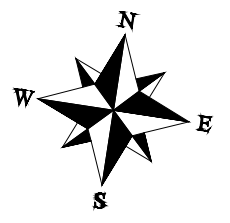
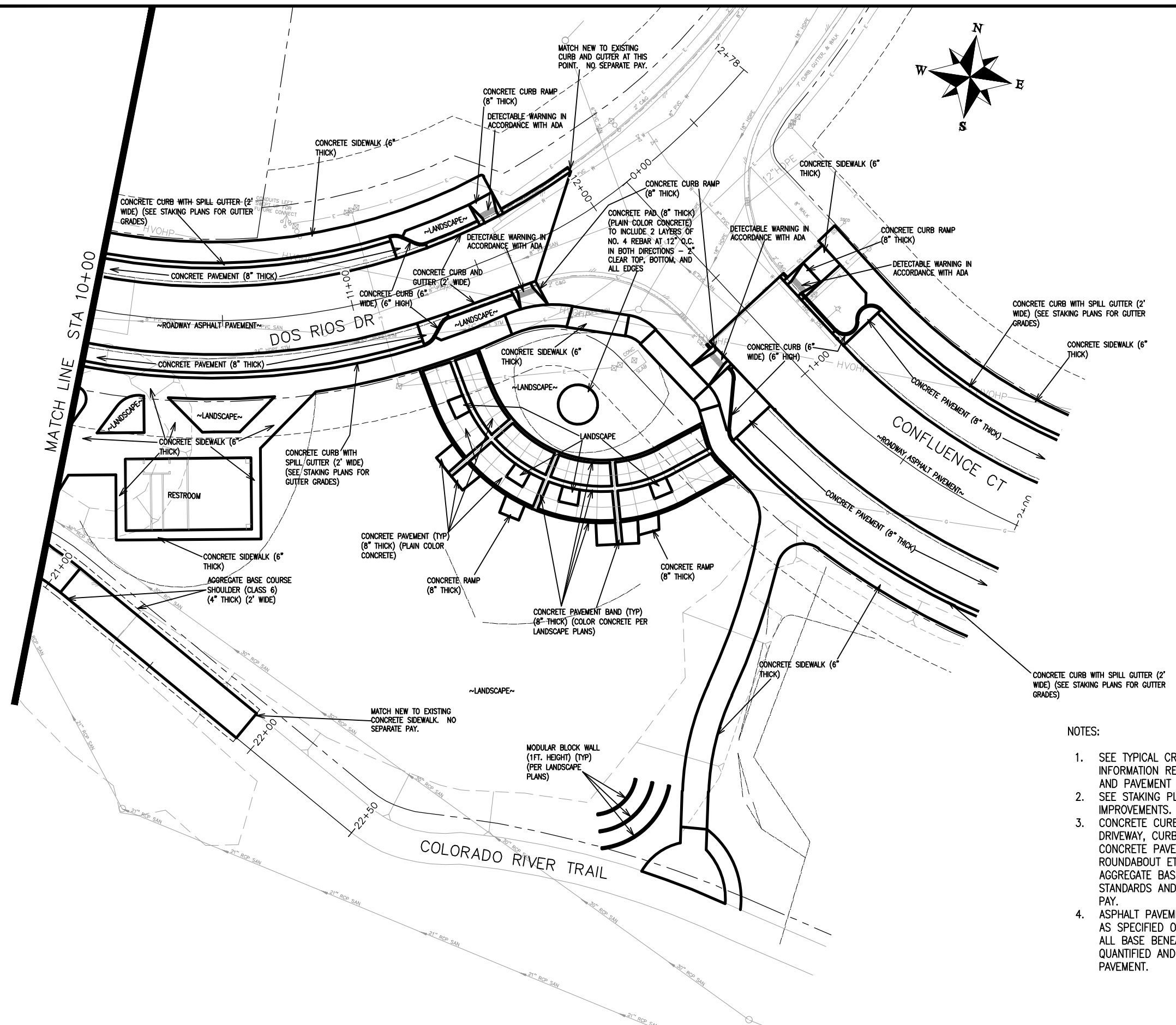
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REVISION			JCS	2019	0 10 20 40 HORIZONTAL
REVISION			BH	2019	0 NA VERTICAL NA
REVISION			JCP	2019	



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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN - I-6  
June 19, 2020

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NOTES:

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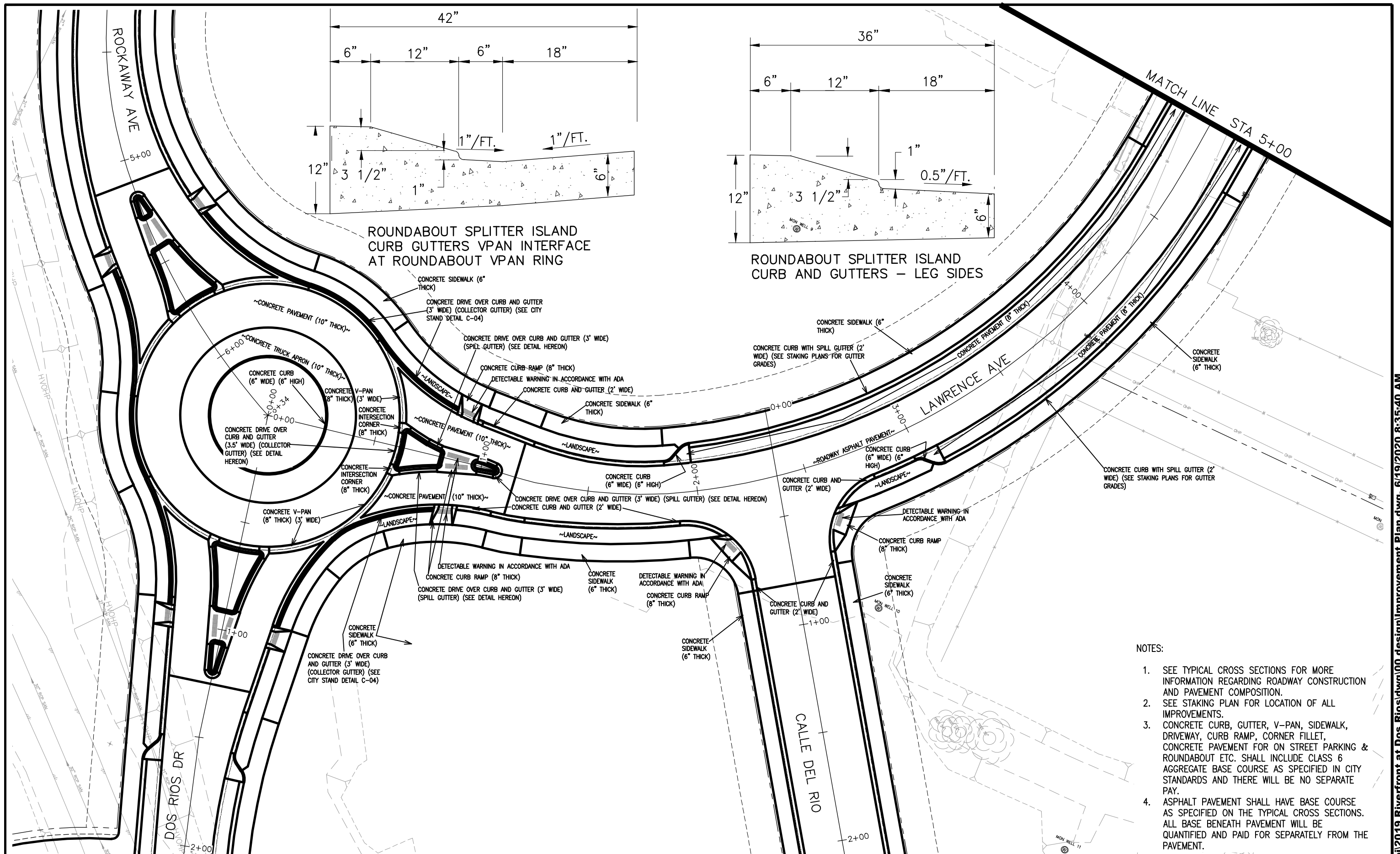
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REVISION			BH	2019	0 NA 10 NA VERTICAL
REVISION			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN - I-7  
June 19, 2020

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ROUNDBOUT SPLITTER ISLAND CURB GUTTERS VPAN INTERFACE AT ROUNDBOUT VPAN RING

ROUNDBOUT SPLITTER ISLAND CURB AND GUTTERS - LEG SIDES

NOTES:

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REVISION			JCS	2019	PLAN & PROFILE
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REVISION			BH	2019	0 NA VERTICAL NA
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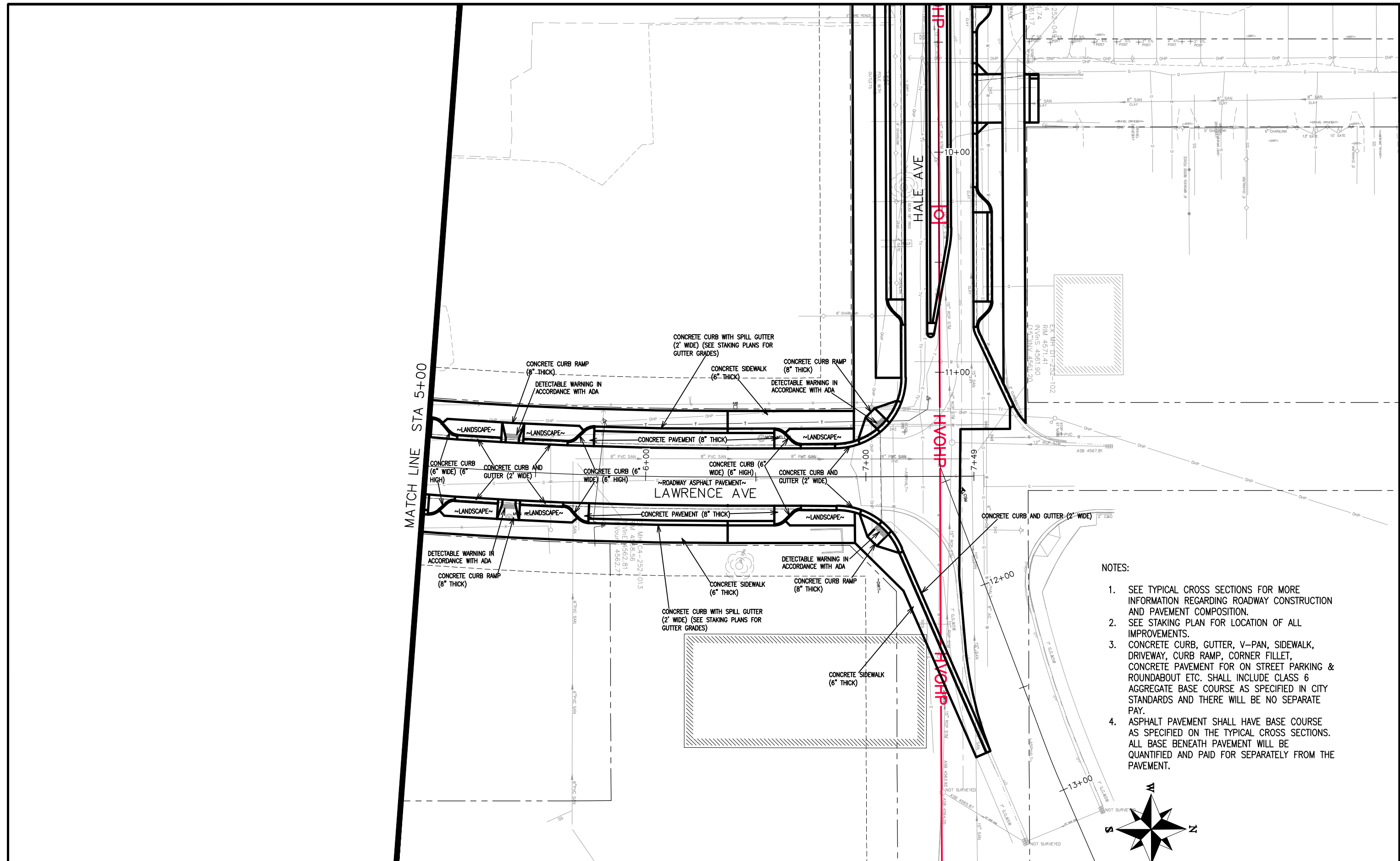


PUBLIC WORKS ENGINEERING DIVISION

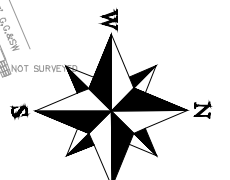
THE RIVERFRONT AT DOS RIOS IMPROVEMENT PLAN - I-8  
June 19, 2020

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REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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REVISION $\Delta$			JCS	2019
REVISION $\Delta$			BH	2019
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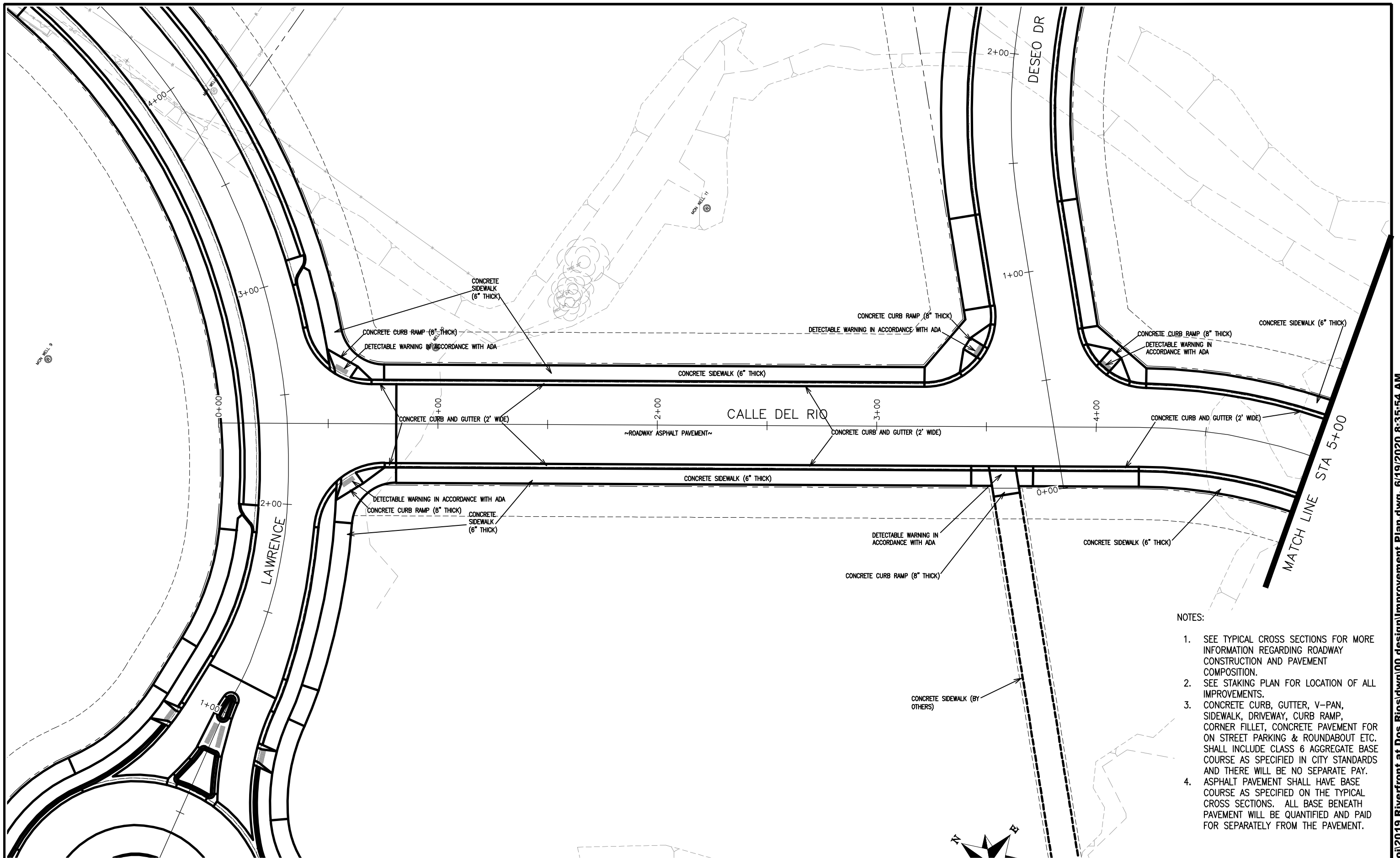
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VERTICAL			



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN - I-9  
June 19, 2020



- NOTES:
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REVISION Δ		
REVISION Δ		
REVISION Δ		

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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019

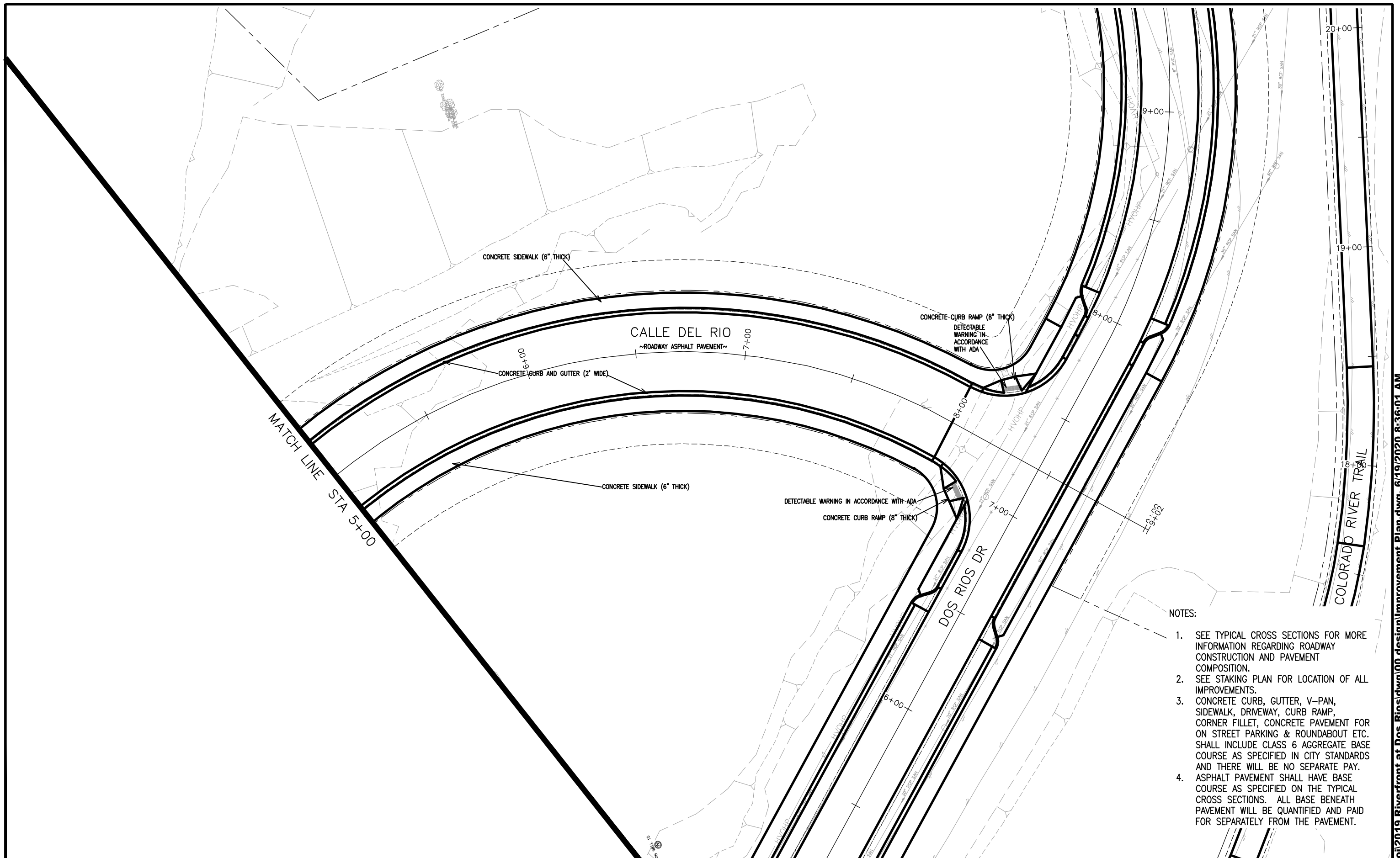
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HORIZONTAL	
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VERTICAL	



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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN – I-10  
June 19, 2020



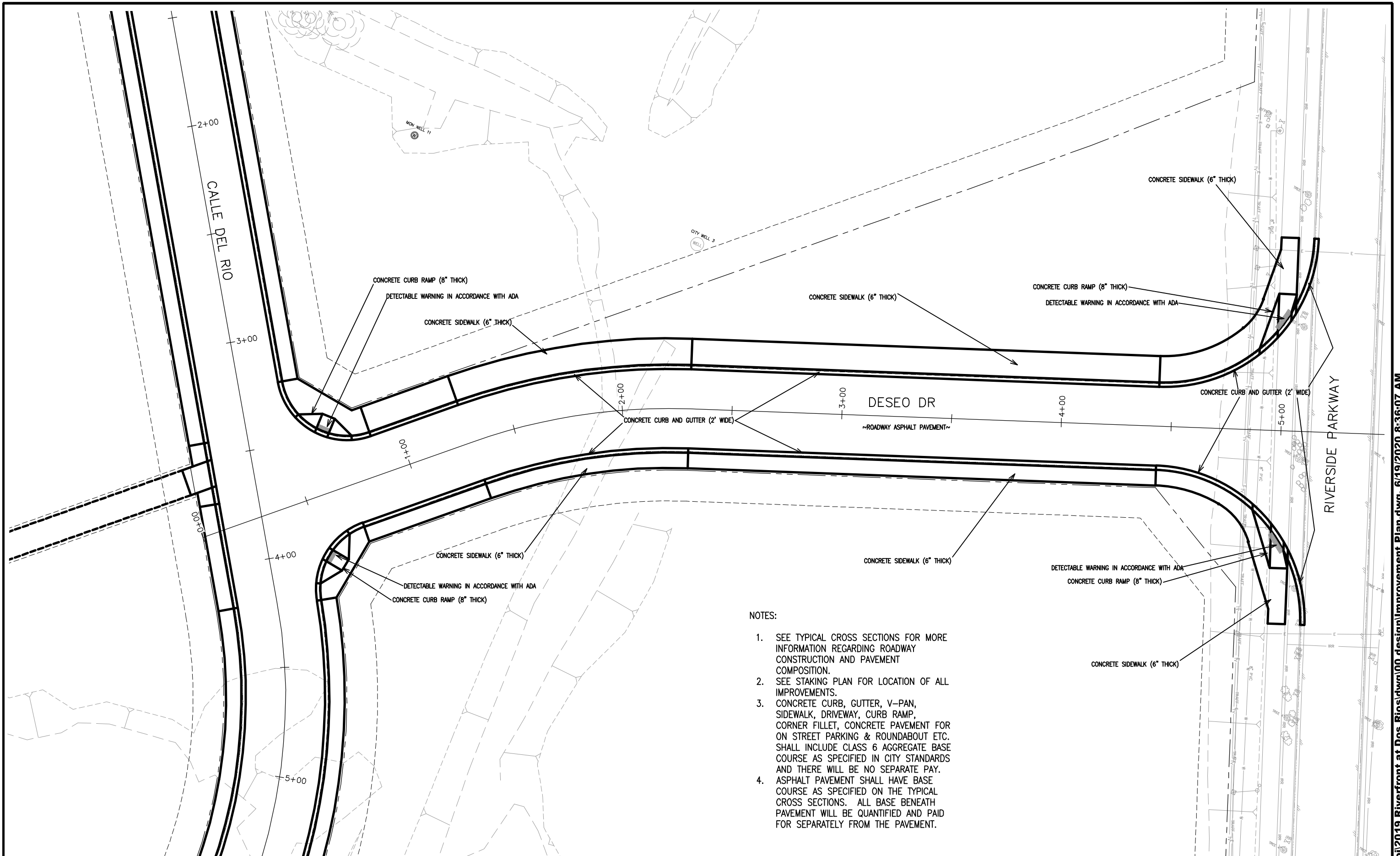
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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN – I-11  
June 19, 2020

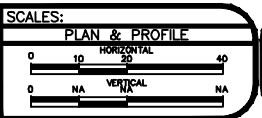


NOTES:

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REVISION	DESCRIPTION	DATE
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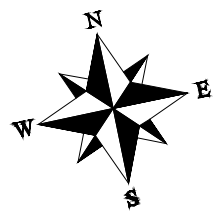
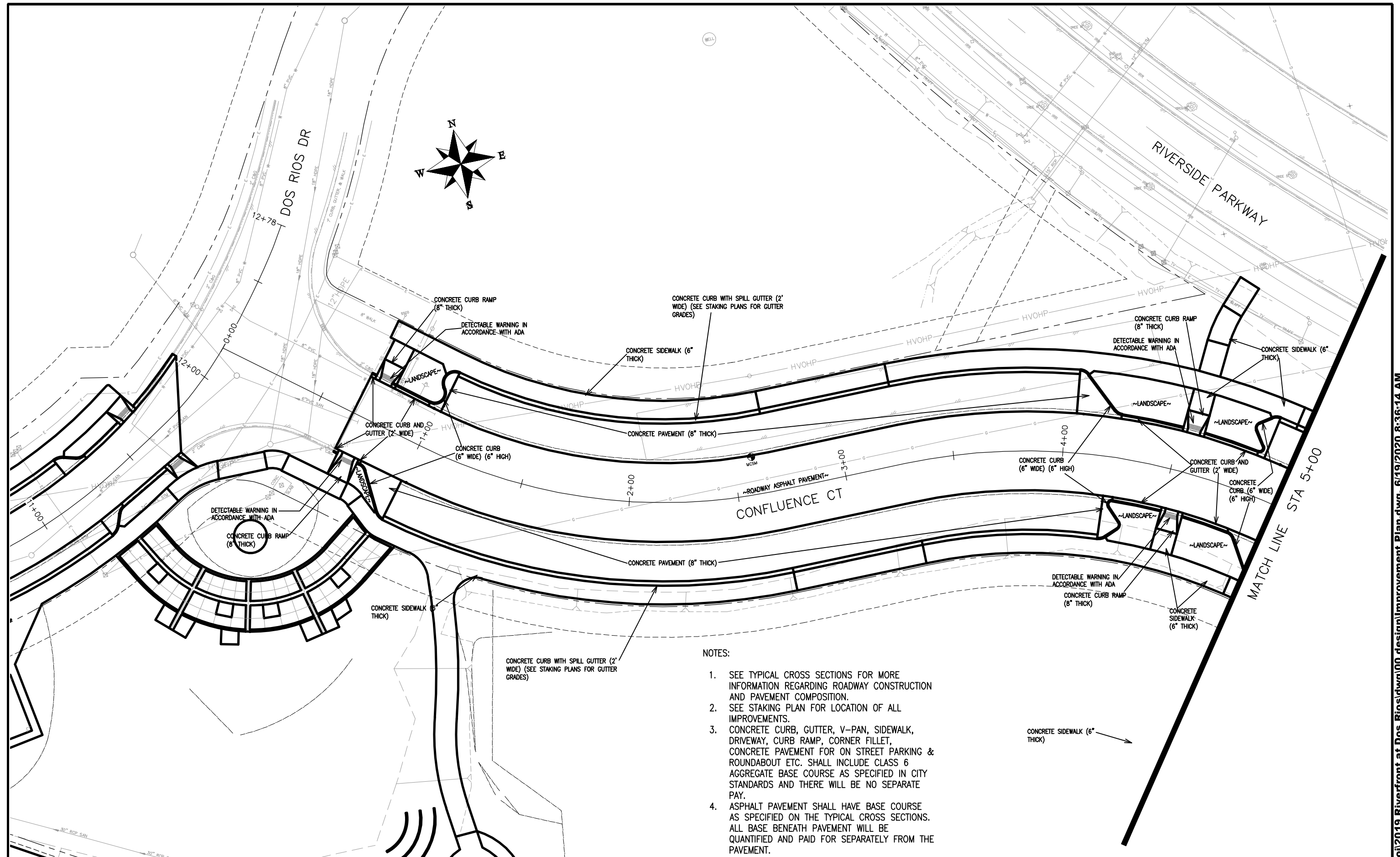
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CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN - I-12  
June 19, 2020





NOTES:

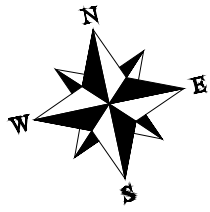
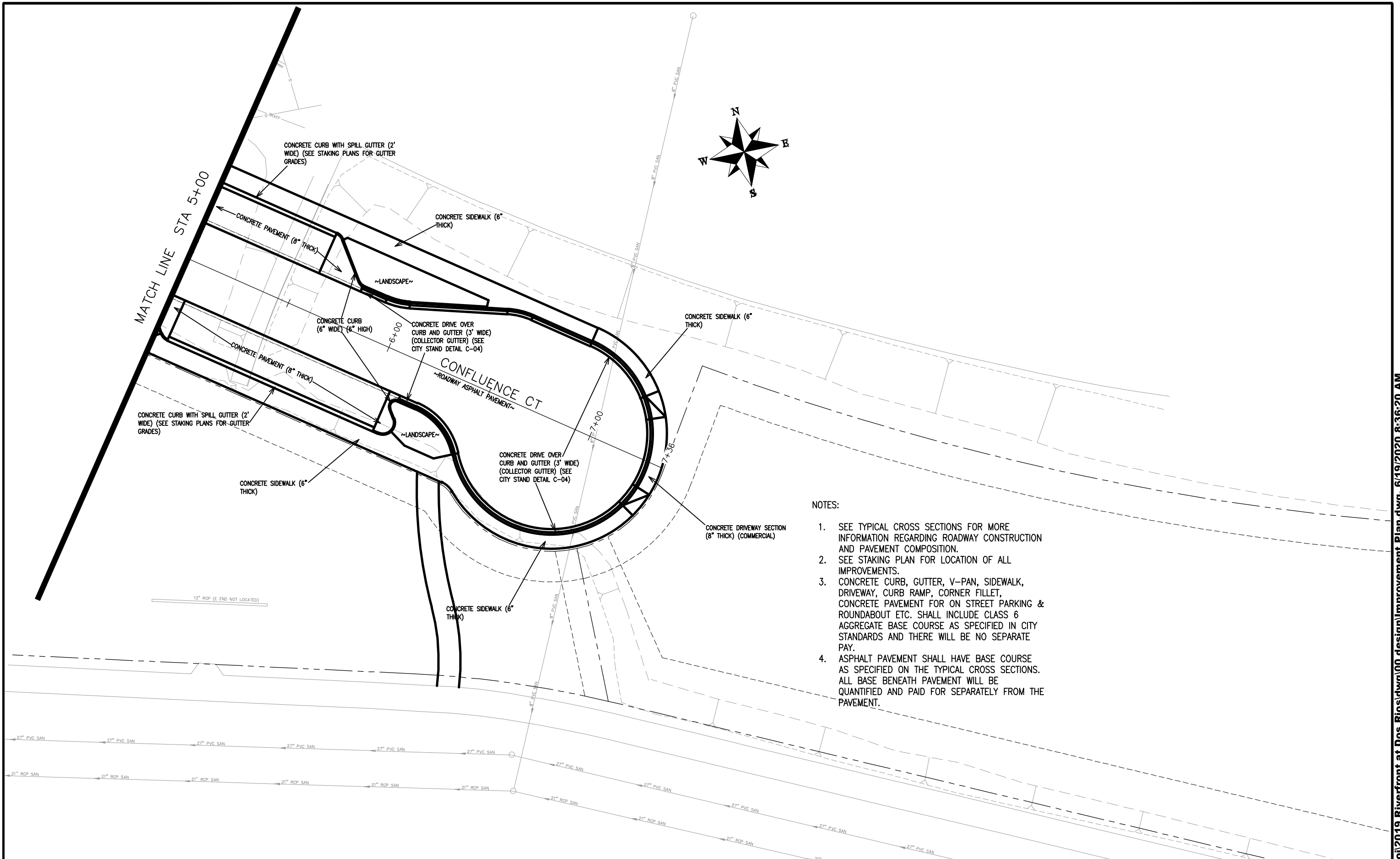
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REVISION			JCS	2019	PLAN & PROFILE
REVISION			JCS	2019	0 10 20 40 HORIZONTAL
REVISION			BH	2019	0 NA NA VERTICAL
REVISION			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN - I-13  
June 19, 2020



- NOTES:
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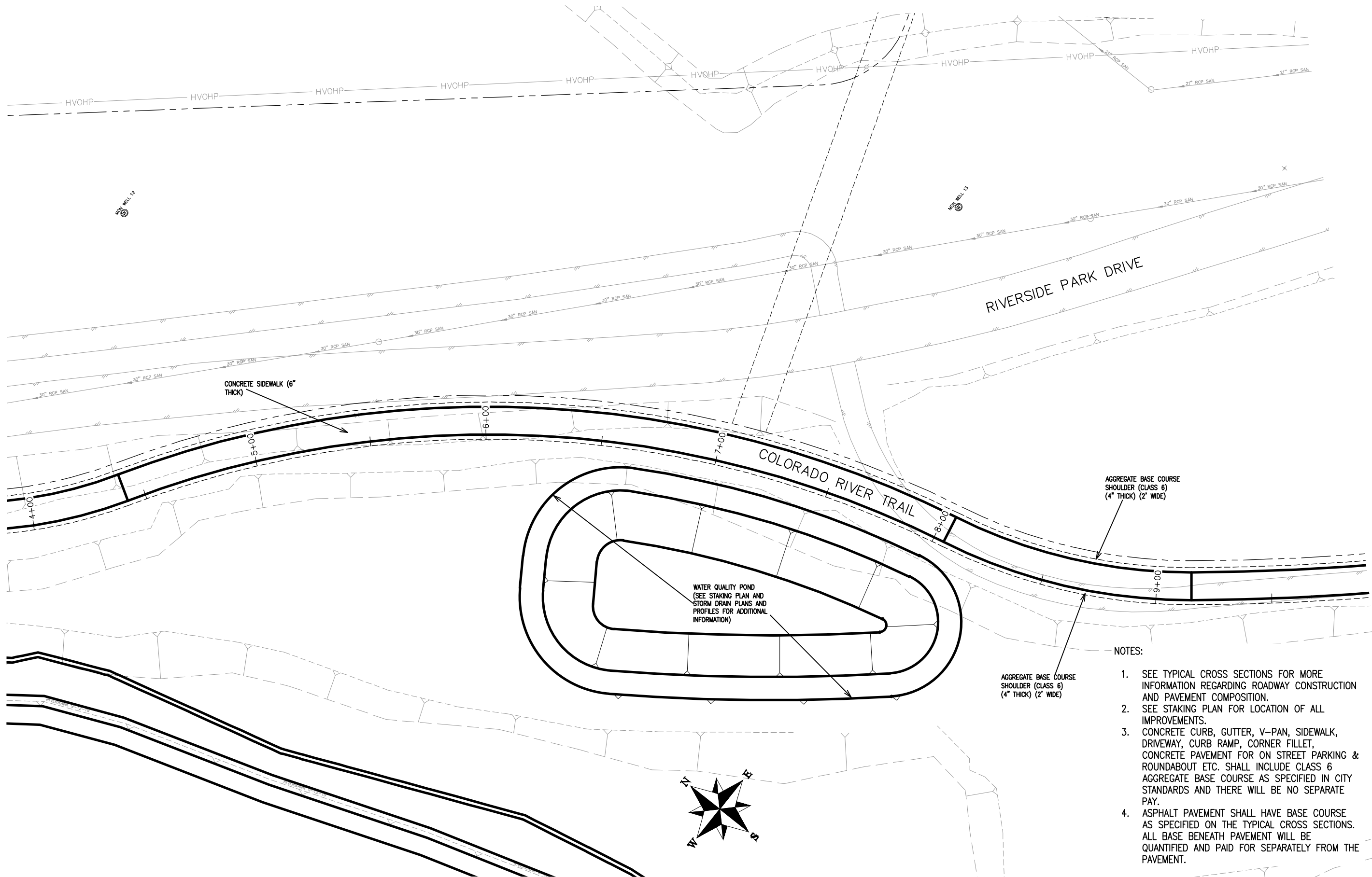
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REVISION			JCS	2019	0 10 20 40 HORIZONTAL
REVISION			BH	2019	0 NA 1:1 VERTICAL
REVISION			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN - I-14  
June 19, 2020

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CONCRETE SIDEWALK (6" THICK)

WATER QUALITY POND  
(SEE STAKING PLAN AND  
STORM DRAIN PLANS AND  
PROFILES FOR ADDITIONAL  
INFORMATION)

AGGREGATE BASE COURSE  
SHOULDER (CLASS 6)  
(4" THICK) (2' WIDE)

AGGREGATE BASE COURSE  
SHOULDER (CLASS 6)  
(4" THICK) (2' WIDE)

NOTES:

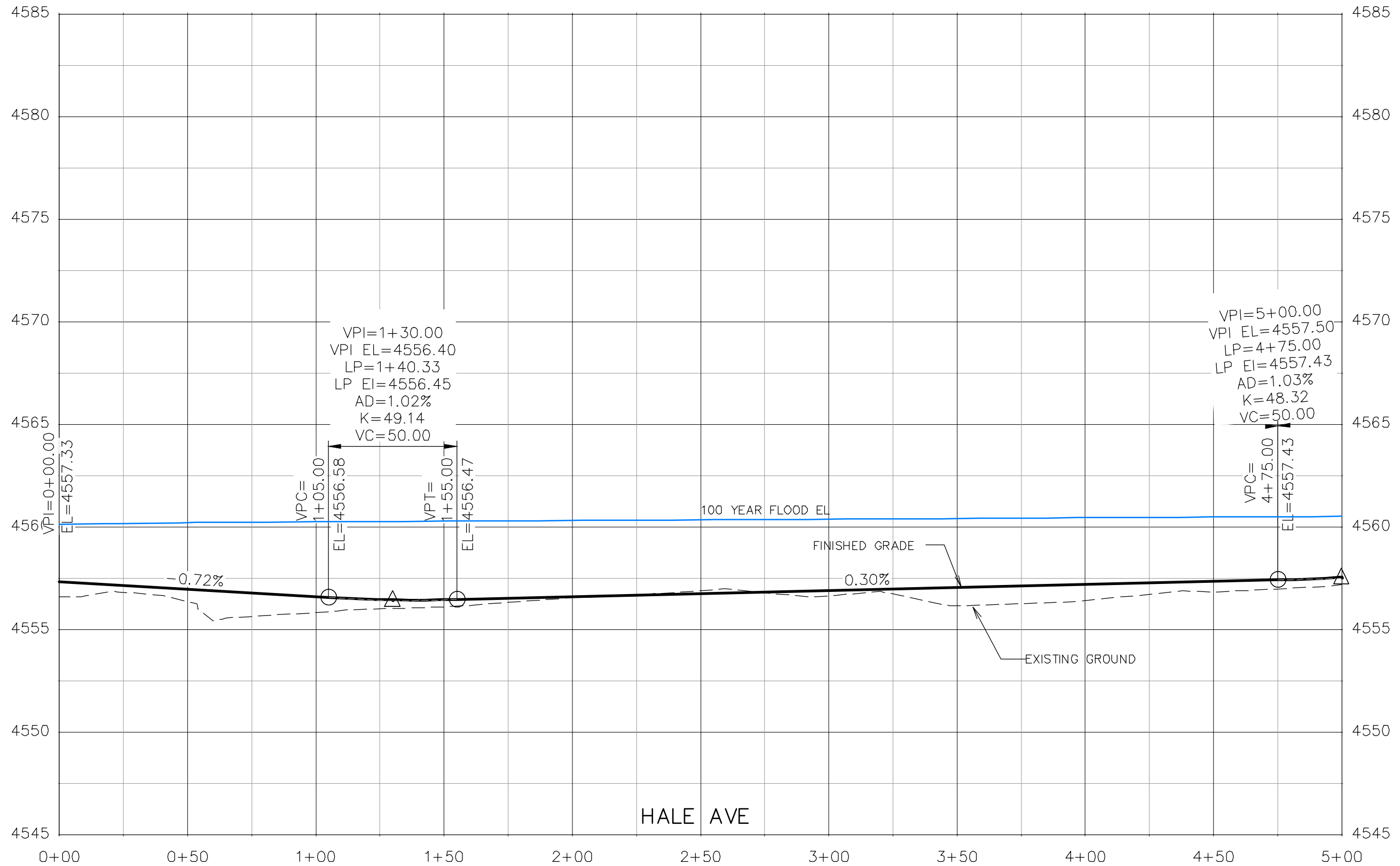
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REVISION			JCS	2019	PLAN & PROFILE
REVISION			JCS	2019	0 10 20 40 HORIZONTAL
REVISION			BH	2019	0 NA VERTICAL NA
REVISION			TCP	2019	



PUBLIC WORKS  
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THE RIVERFRONT AT DOS RIOS  
IMPROVEMENT PLAN - I-15  
June 19, 2020



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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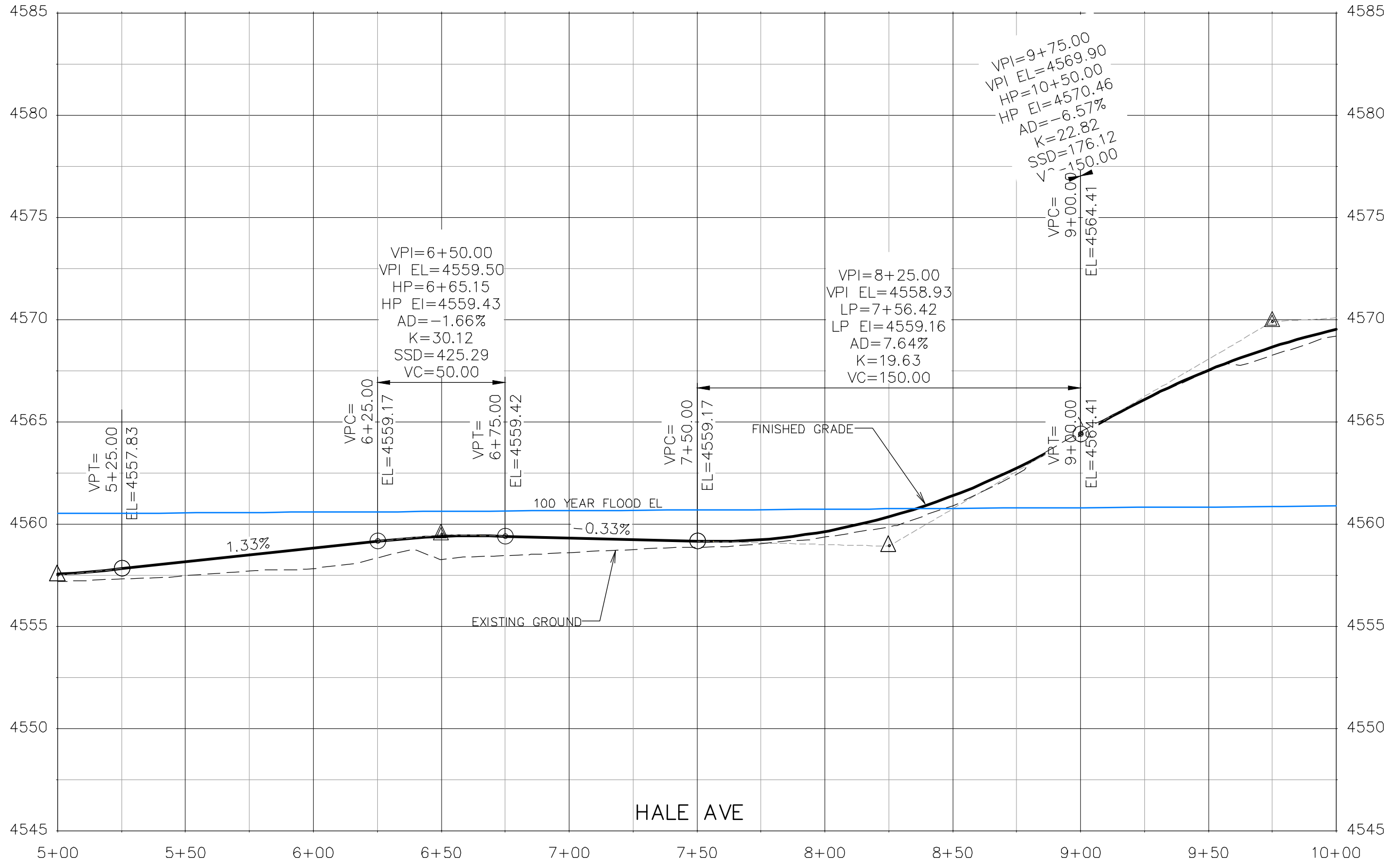
SCALES:	
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HORIZONTAL	
0	5
VERTICAL	



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ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (1)  
June 19, 2020**





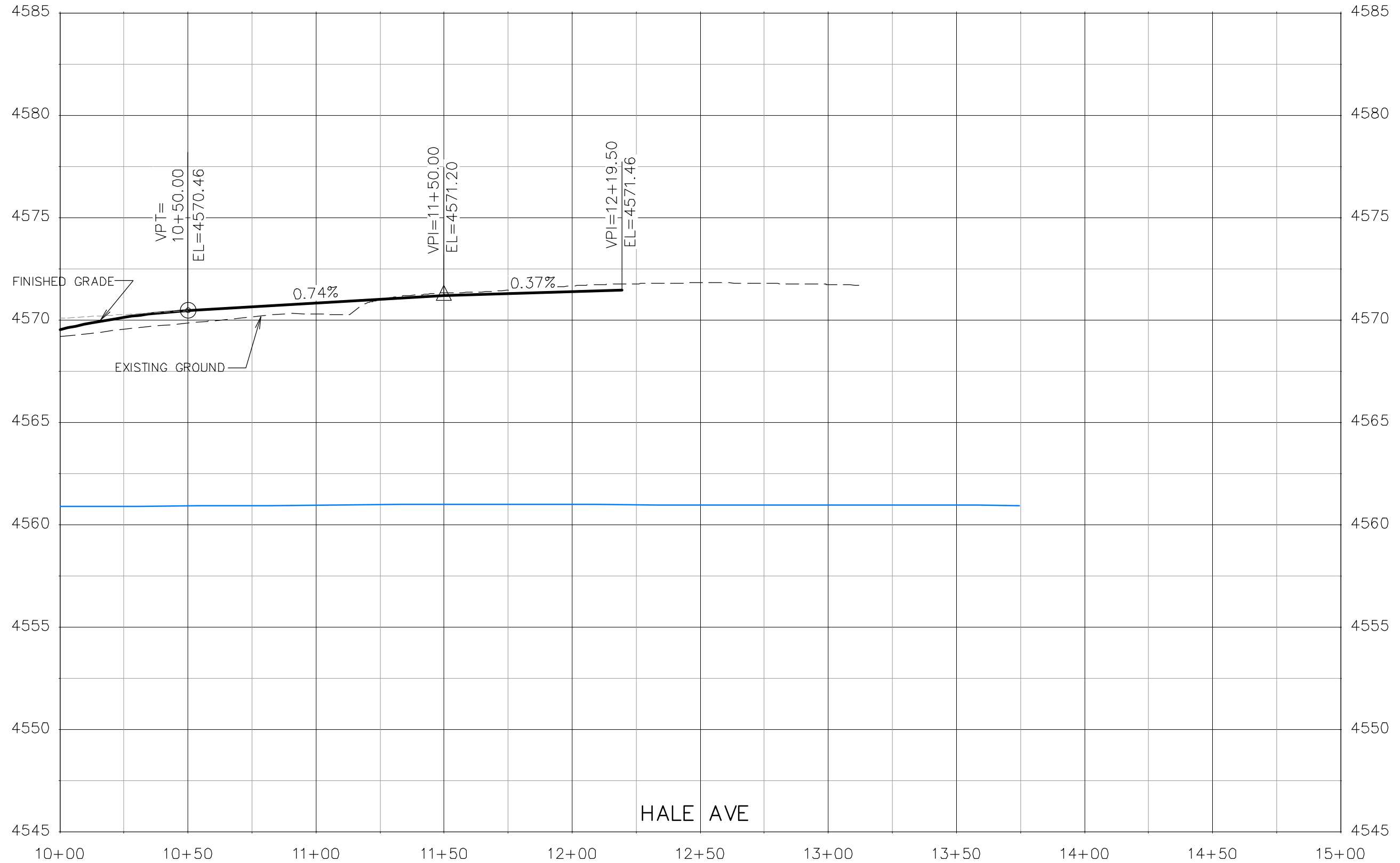
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	5
VERTICAL	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (2)  
June 19, 2020**



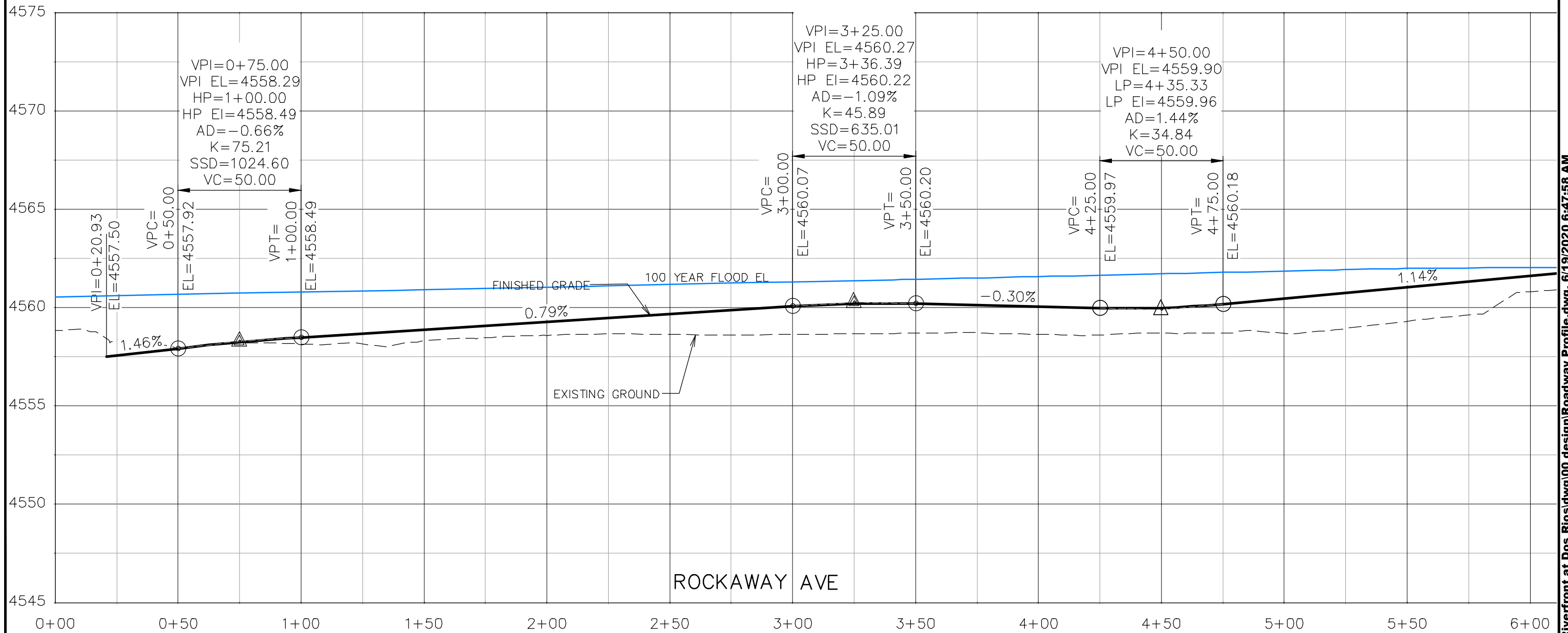
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

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



PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 ROADWAY PROFILE - (3)  
 June 19, 2020



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

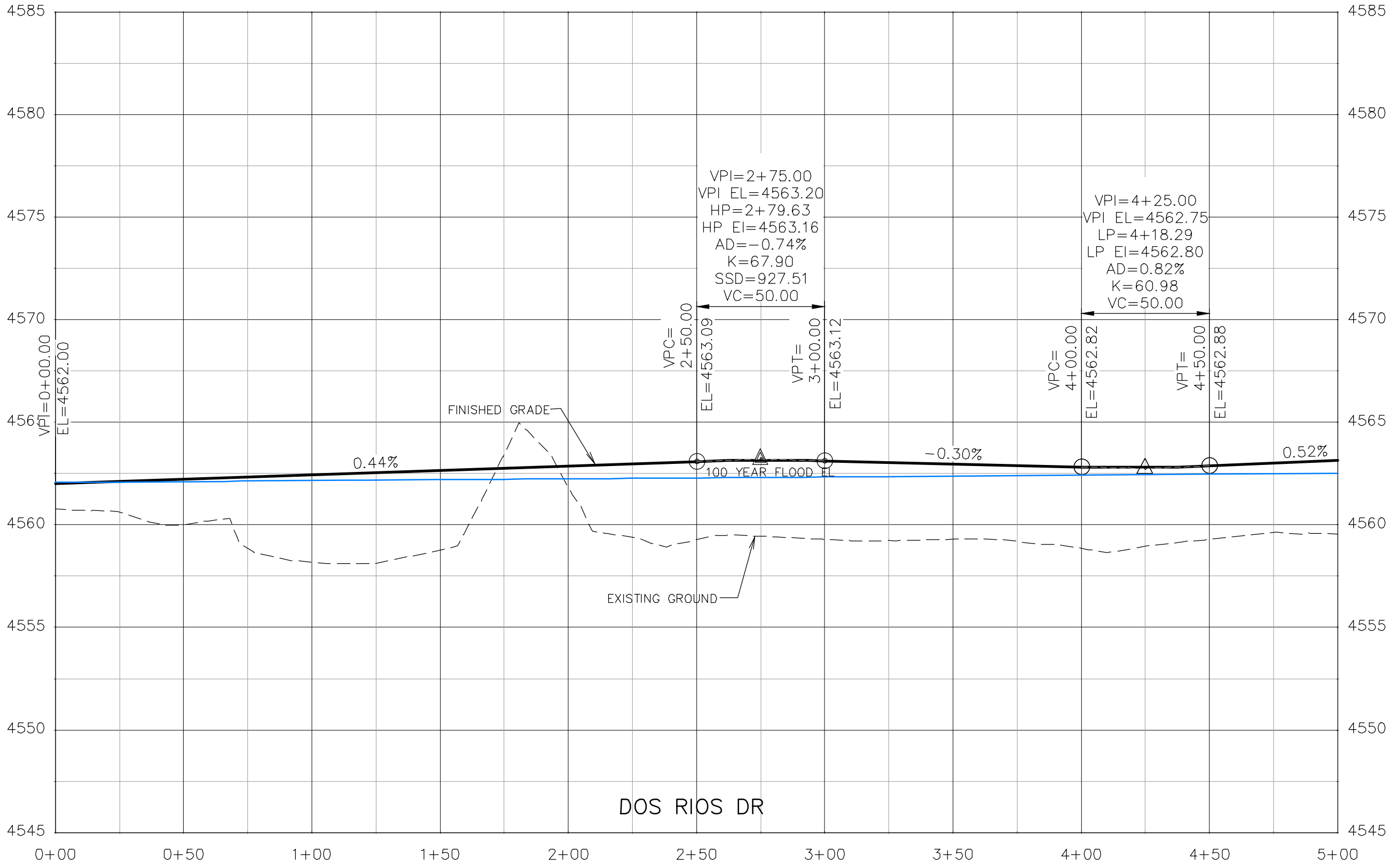
SCALES:	
0	40
HORIZONTAL	
0	5
VERTICAL	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (4)  
June 19, 2020**

N:\Landproj\2019 Riverfront at Dos Rios\dwg\00 design\Roadway Profile.dwg, 6/19/2020 6:47:58 AM



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

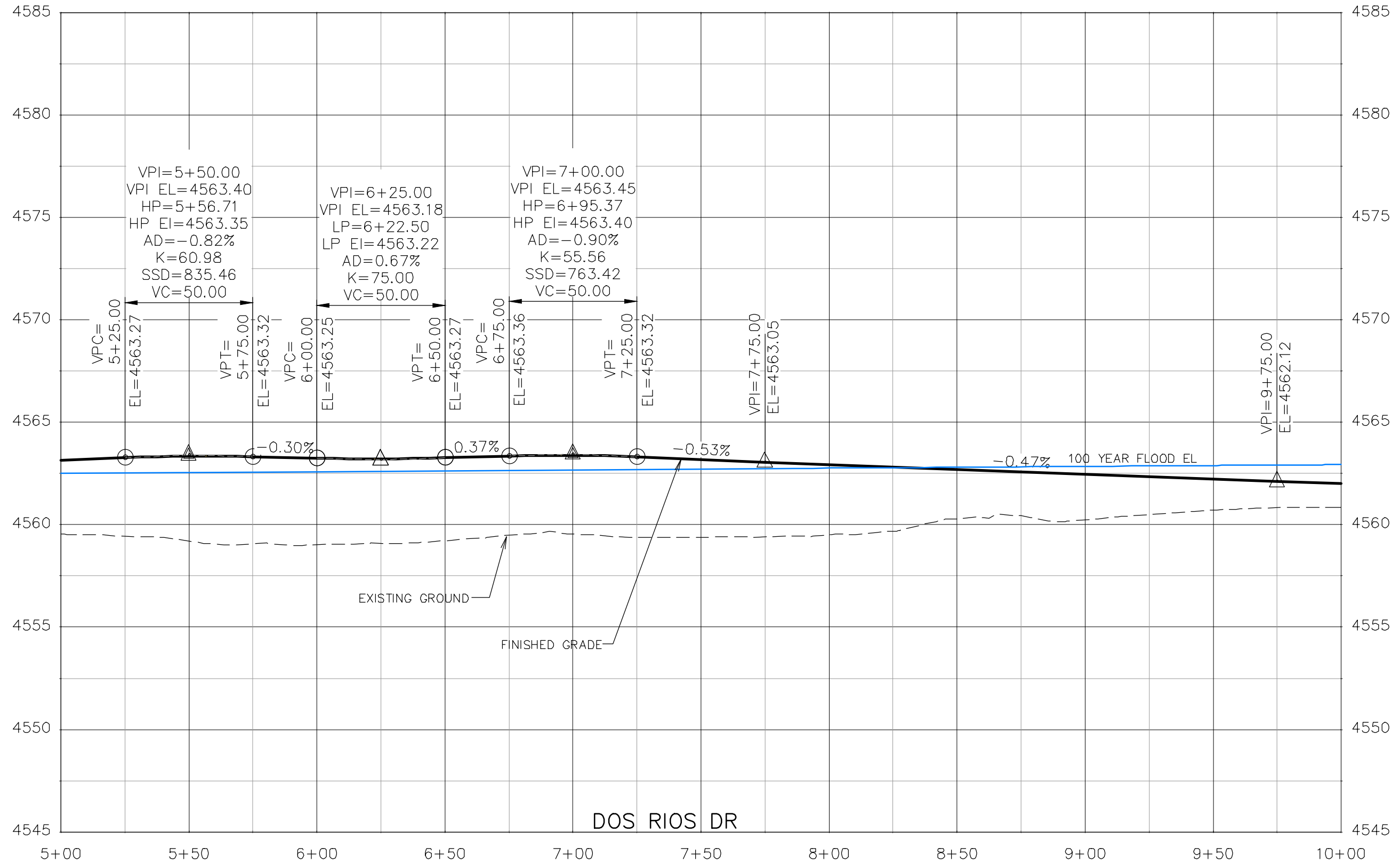
SCALES:	
PLAN & PROFILE	1" = 40'
HORIZONTAL	1" = 20'
VERTICAL	1" = 5'



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (5)  
June 19, 2020**





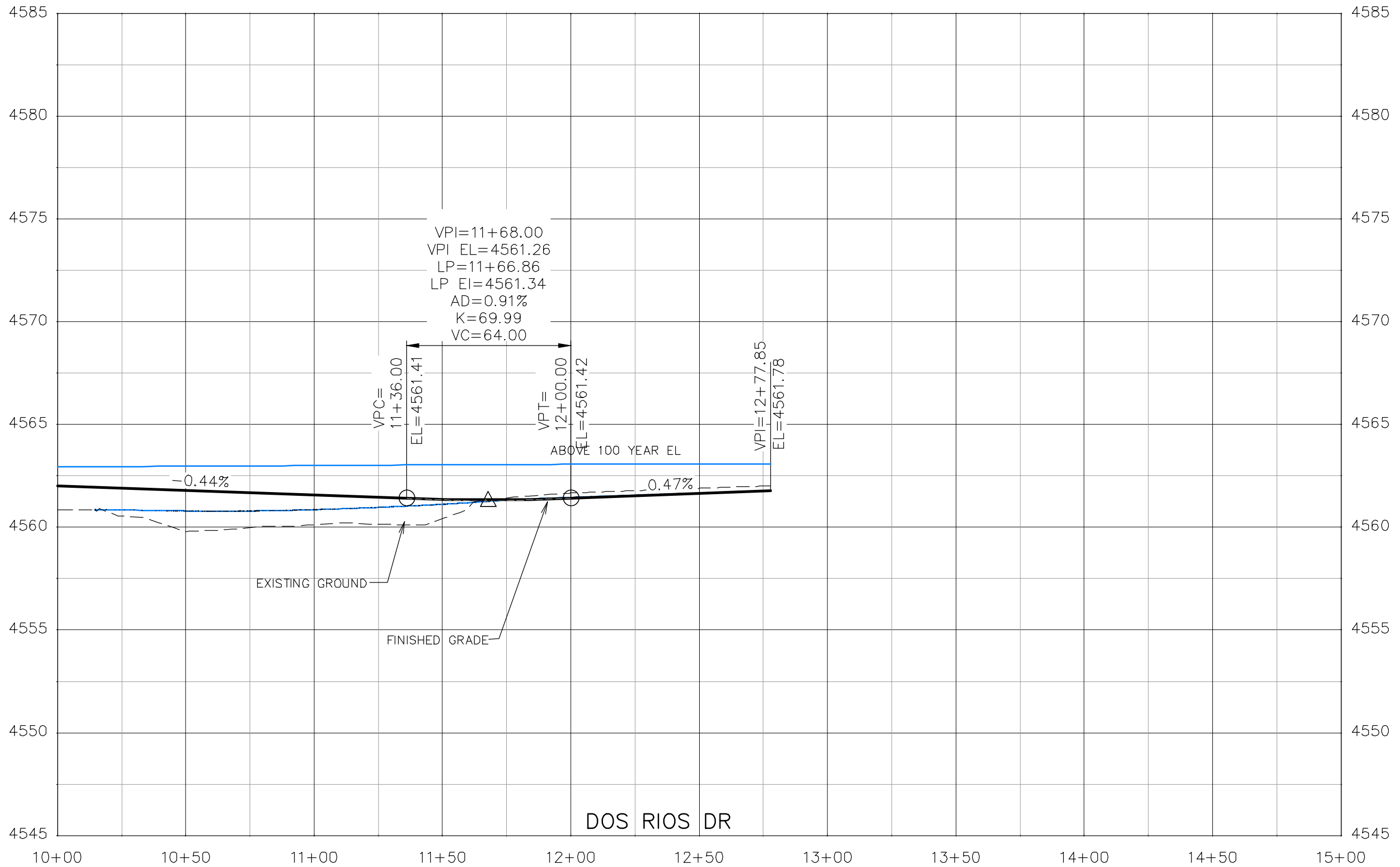
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:
PLAN & PROFILE
0 10 20 40 HORIZONTAL
0 1.25 2.5 5 VERTICAL



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (6)  
June 19, 2020**



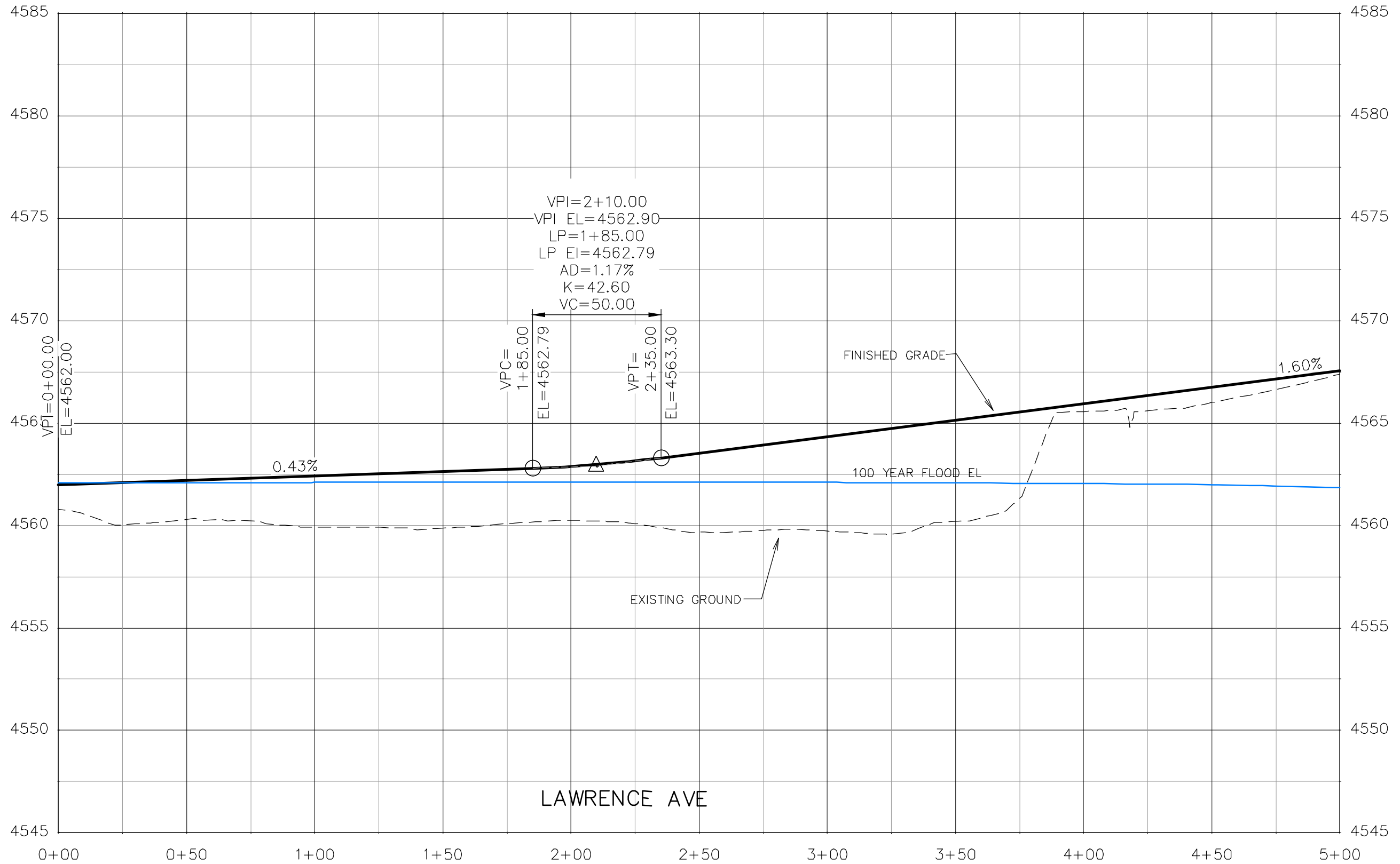
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
PLAN & PROFILE	1" = 40'
VERTICAL	1" = 5'



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (7)  
June 19, 2020**



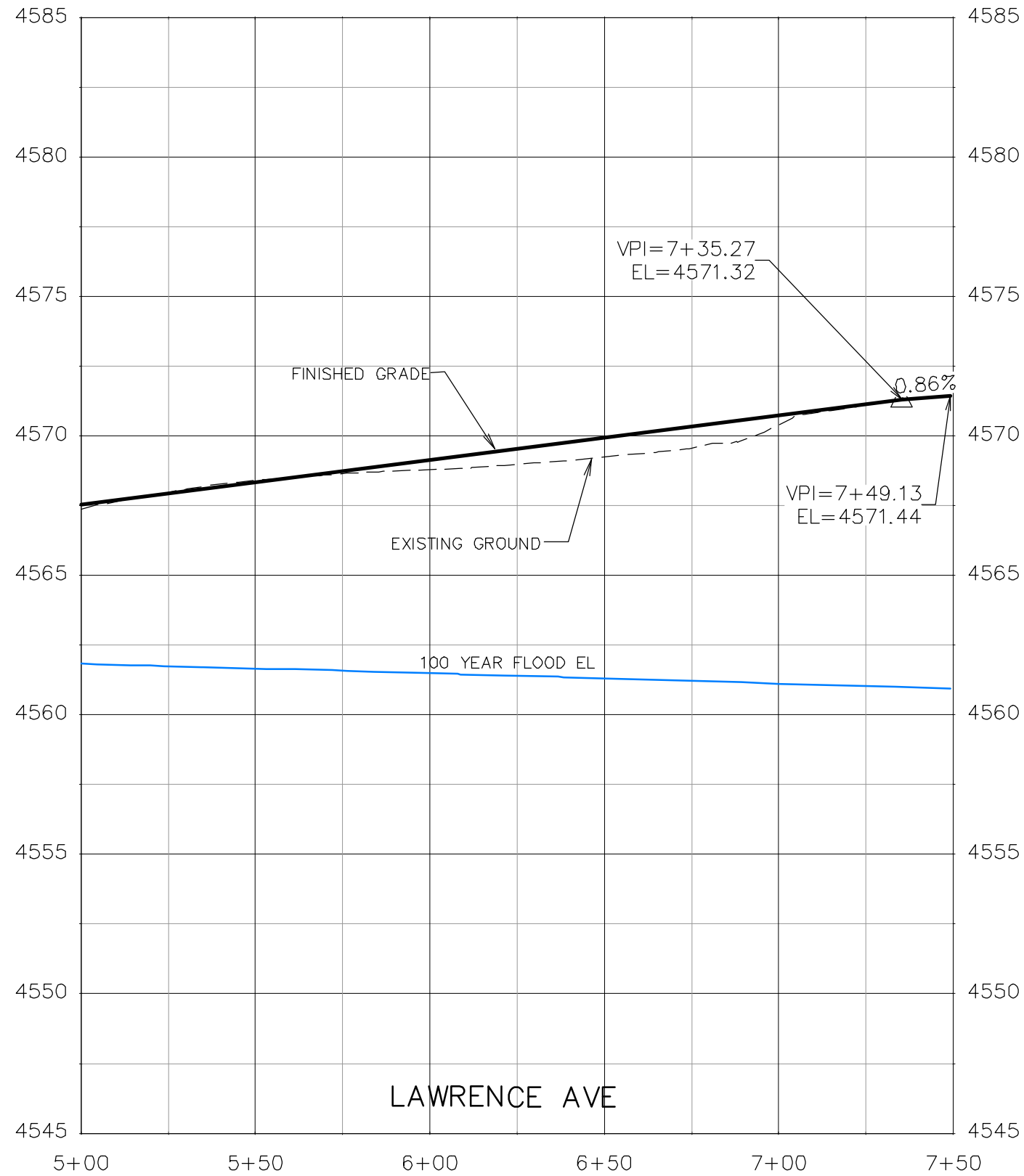
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	5
VERTICAL	



**PUBLIC WORKS  
 ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
 ROADWAY PROFILE - (8)  
 June 19, 2020**



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

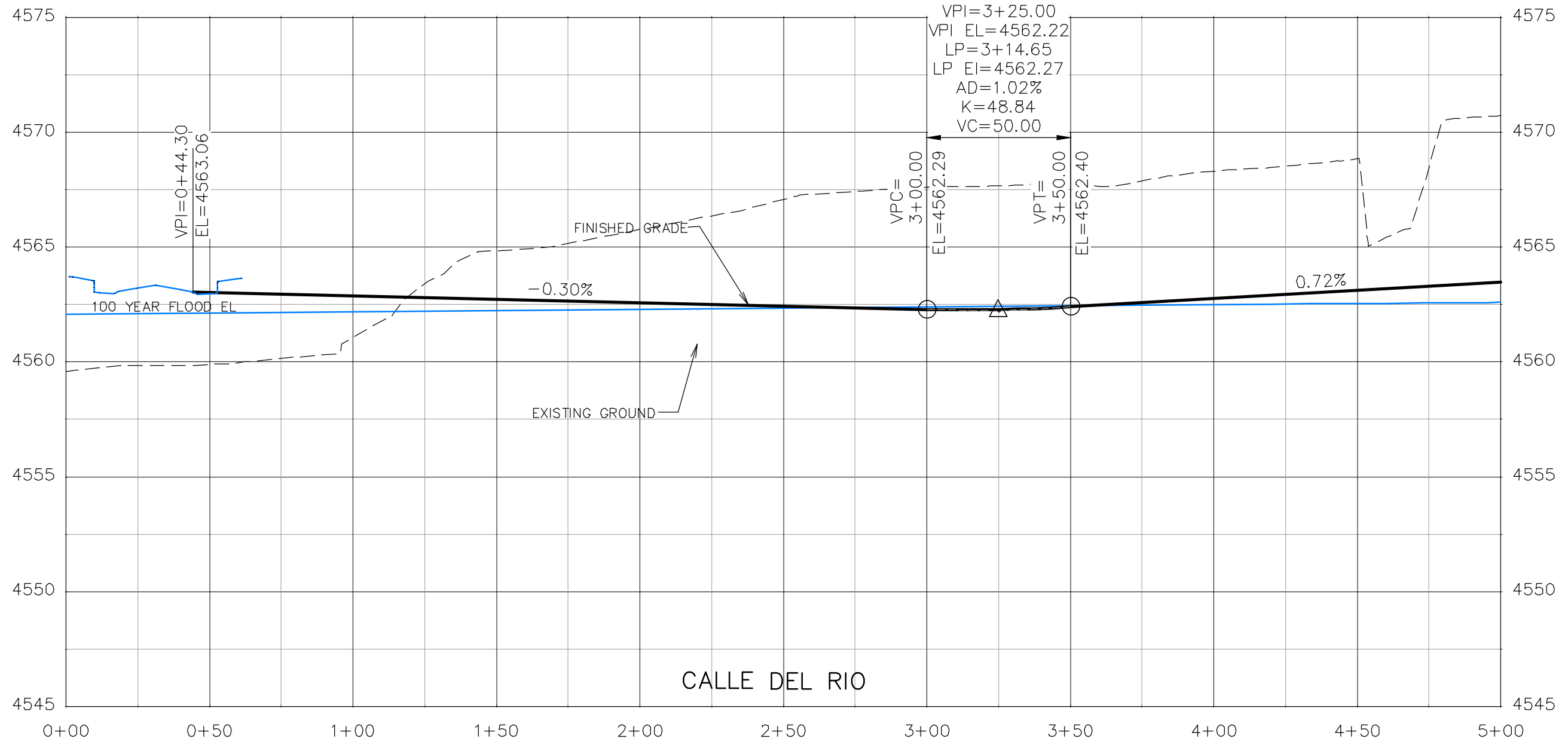
SCALES:	
0	40
HORIZONTAL	
0	5
VERTICAL	



**PUBLIC WORKS  
 ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
 ROADWAY PROFILE - (9)  
 June 19, 2020**





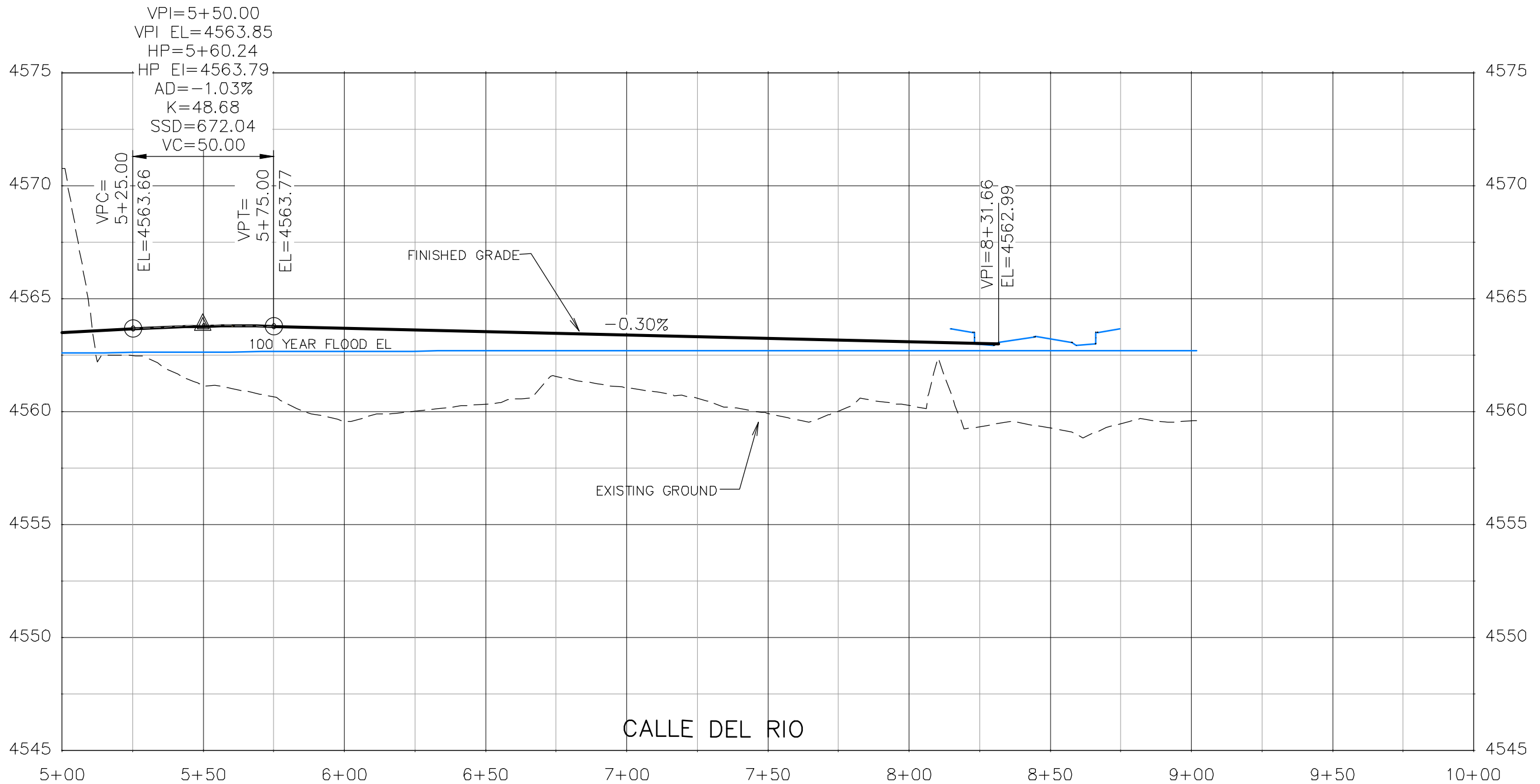
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	5
VERTICAL	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (10)  
June 19, 2020**



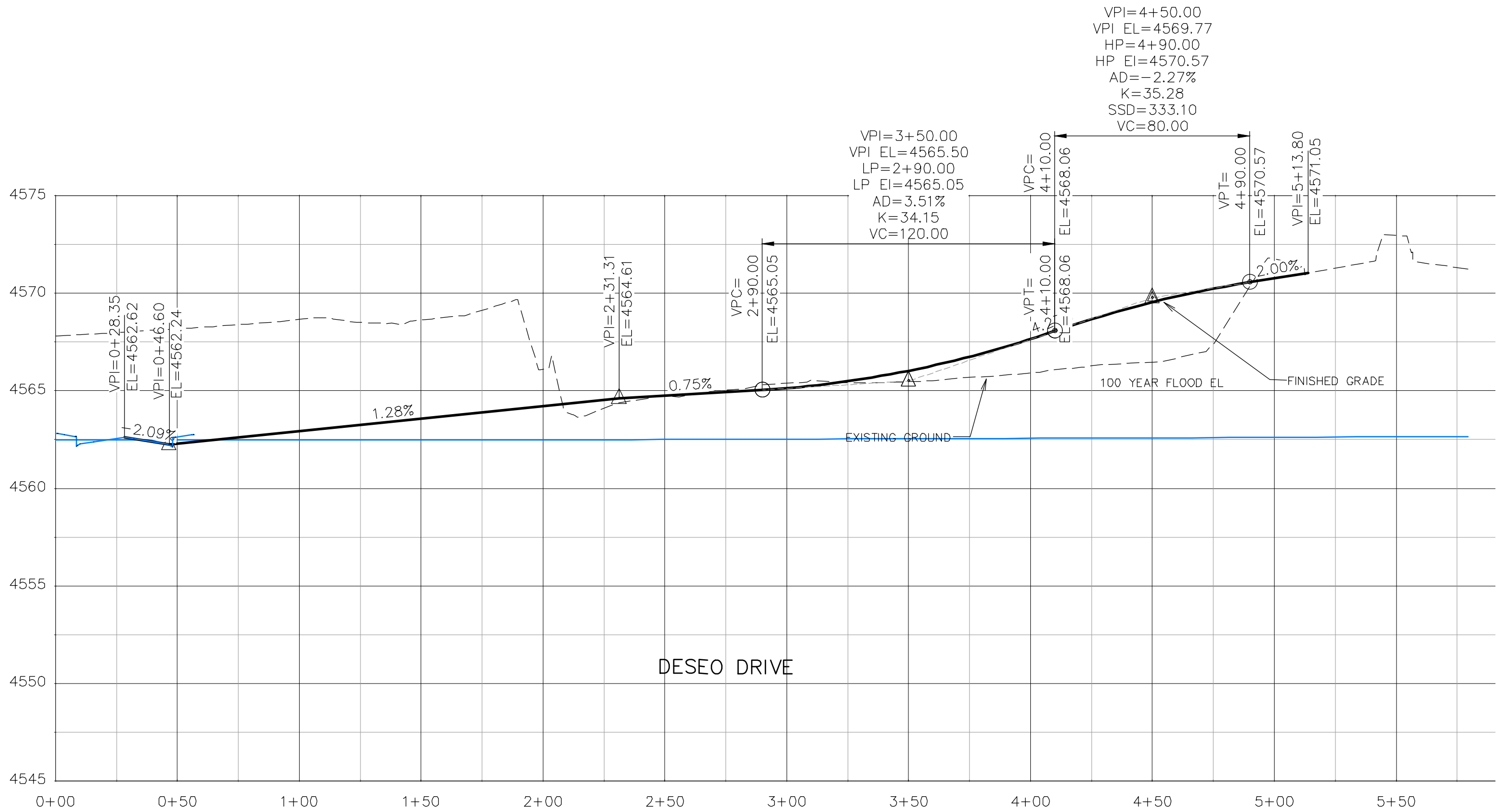
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:
PLAN & PROFILE
0 10 20 40 HORIZONTAL
0 1.25 2.5 5 VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (11)  
June 19, 2020



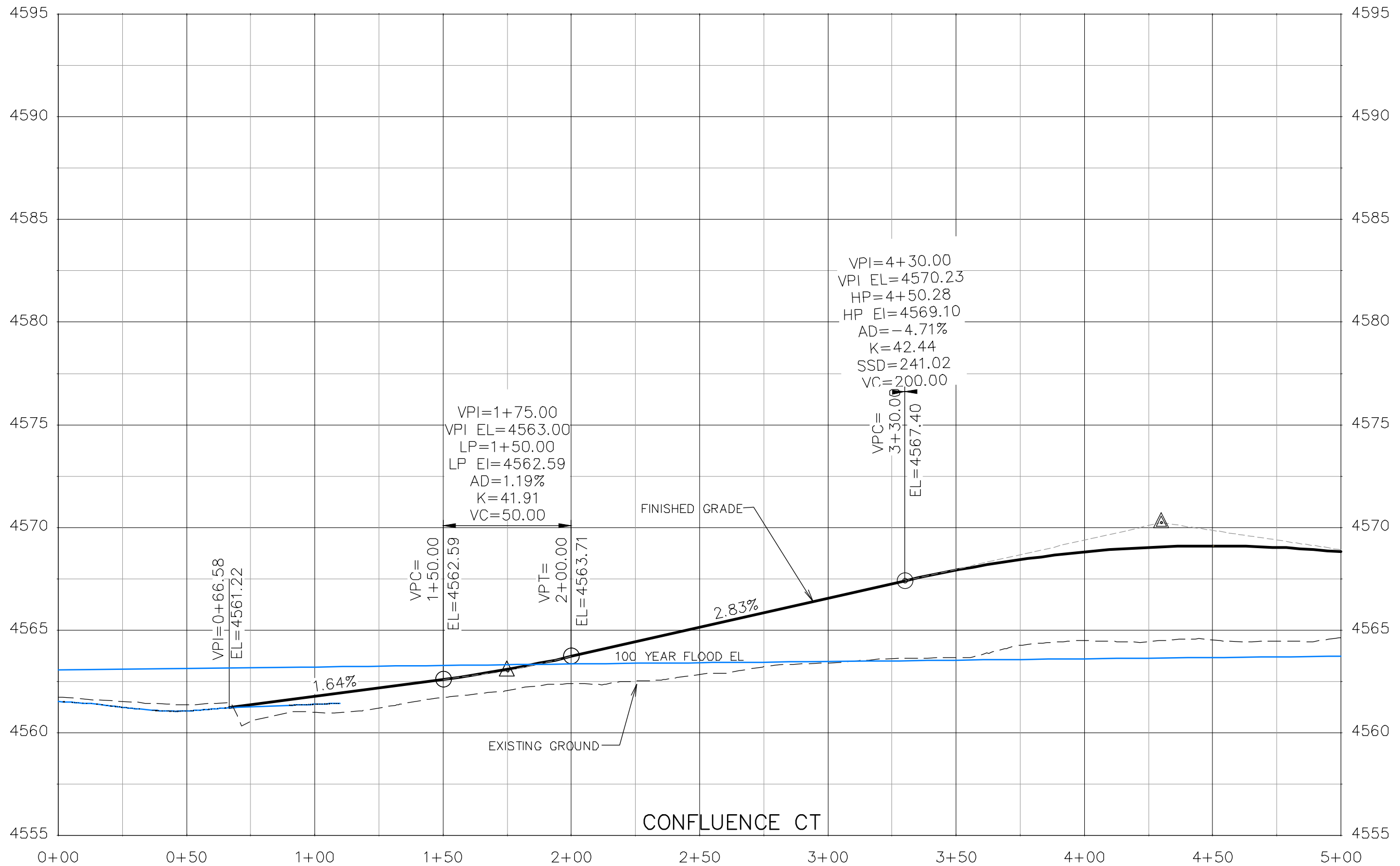
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	5
VERTICAL	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (12)  
June 19, 2020**



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

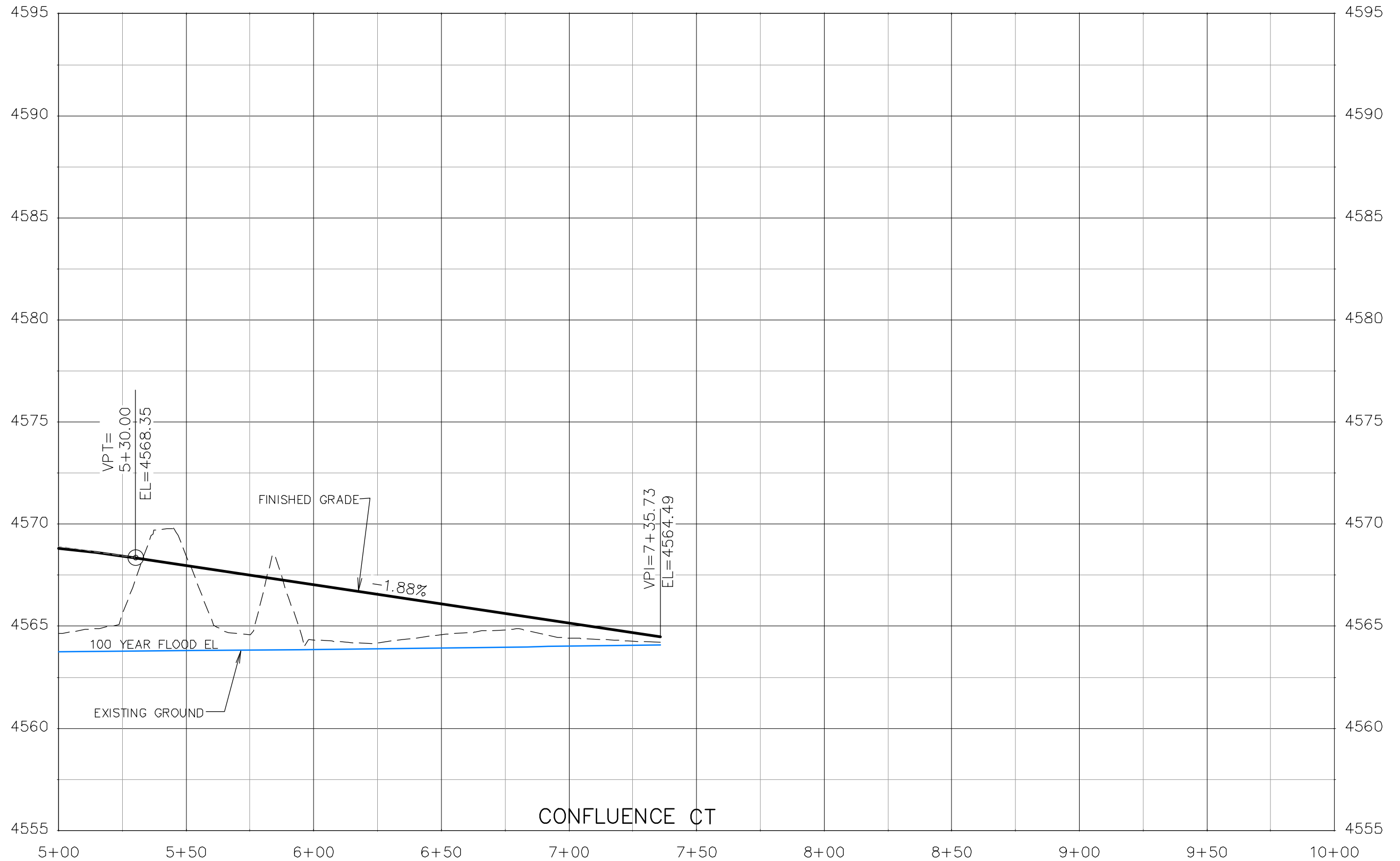
SCALES:	
0	40
PLAN & PROFILE	
0	20
HORIZONTAL	
0	5
VERTICAL	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (13)  
June 19, 2020**





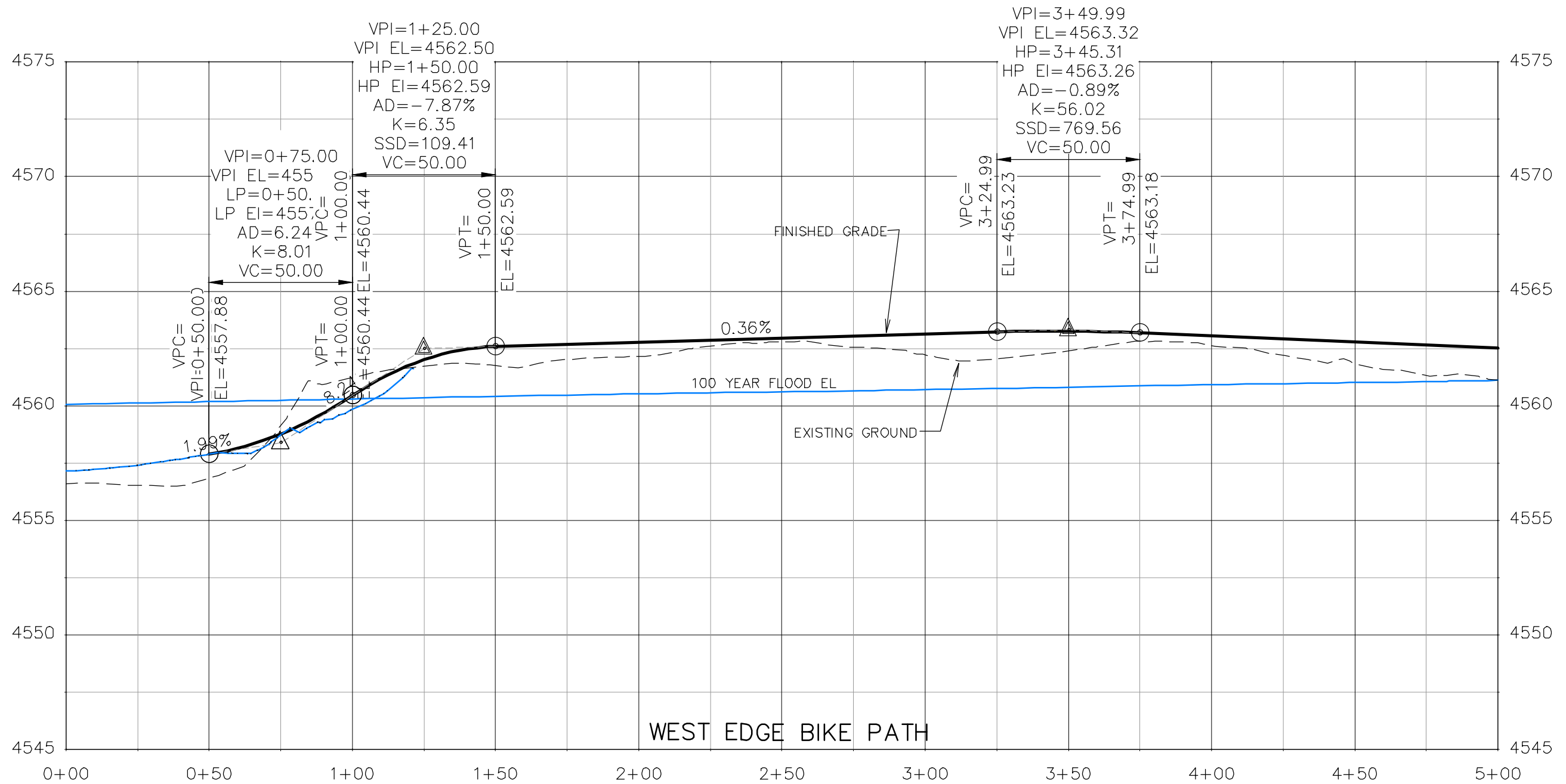
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:
PLAN & PROFILE
0 10 20 40 HORIZONTAL
0 1.25 5 VERTICAL



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (14)  
June 19, 2020**



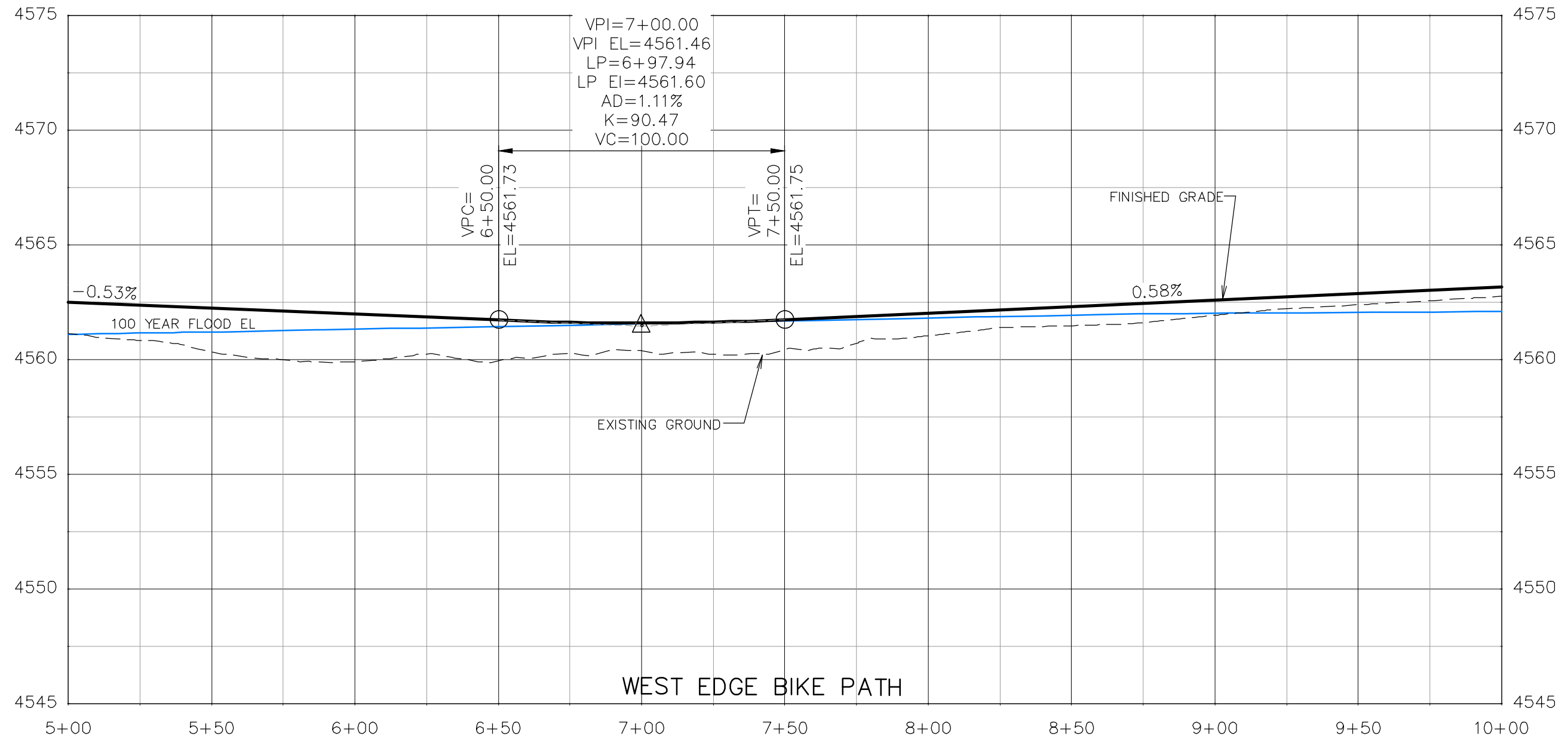
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
PLAN & PROFILE	1" = 40'
VERTICAL	1" = 5'



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (15)  
June 19, 2020**



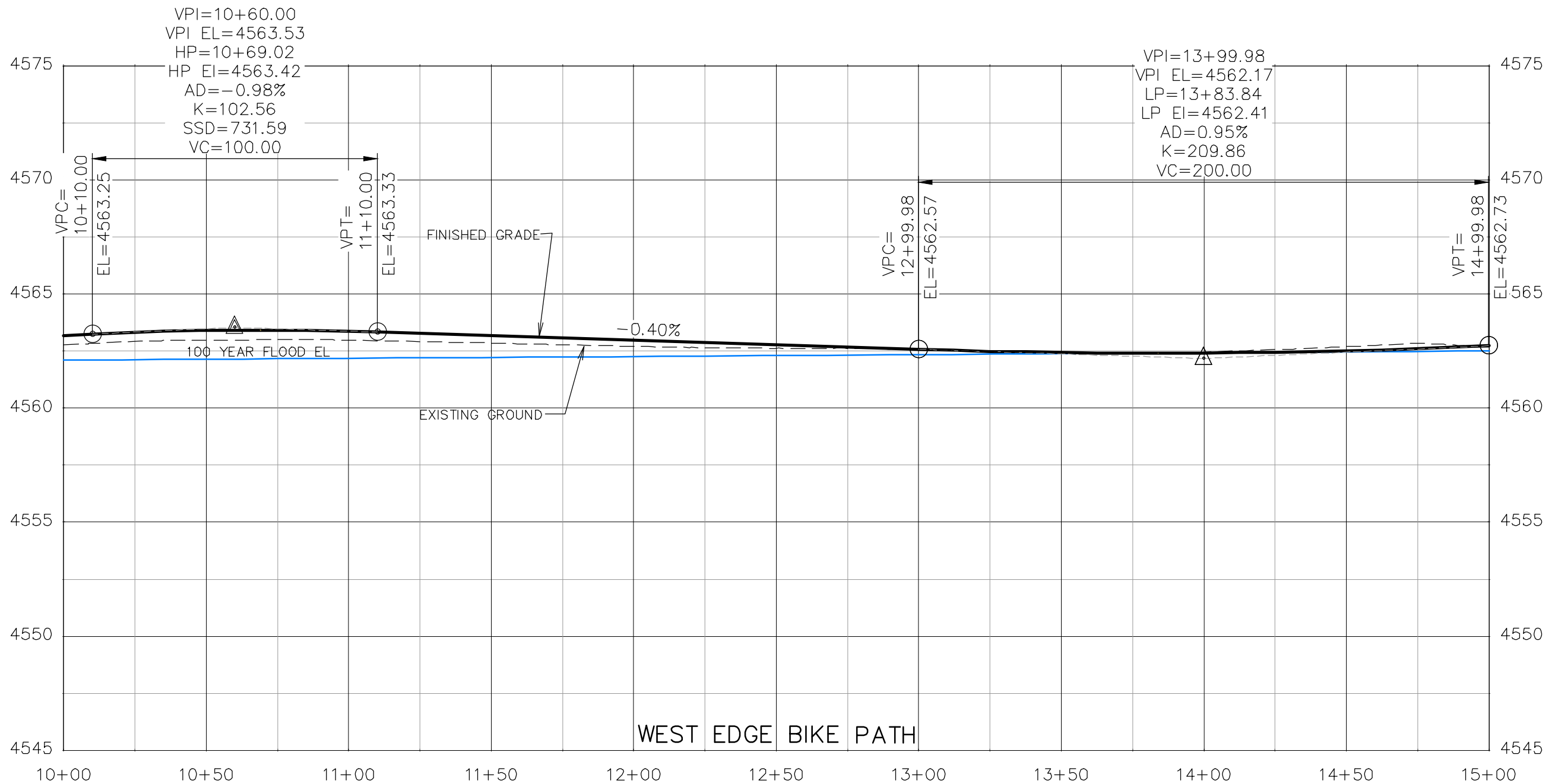
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	5
VERTICAL	



PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 ROADWAY PROFILE - (16)  
 June 19, 2020



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

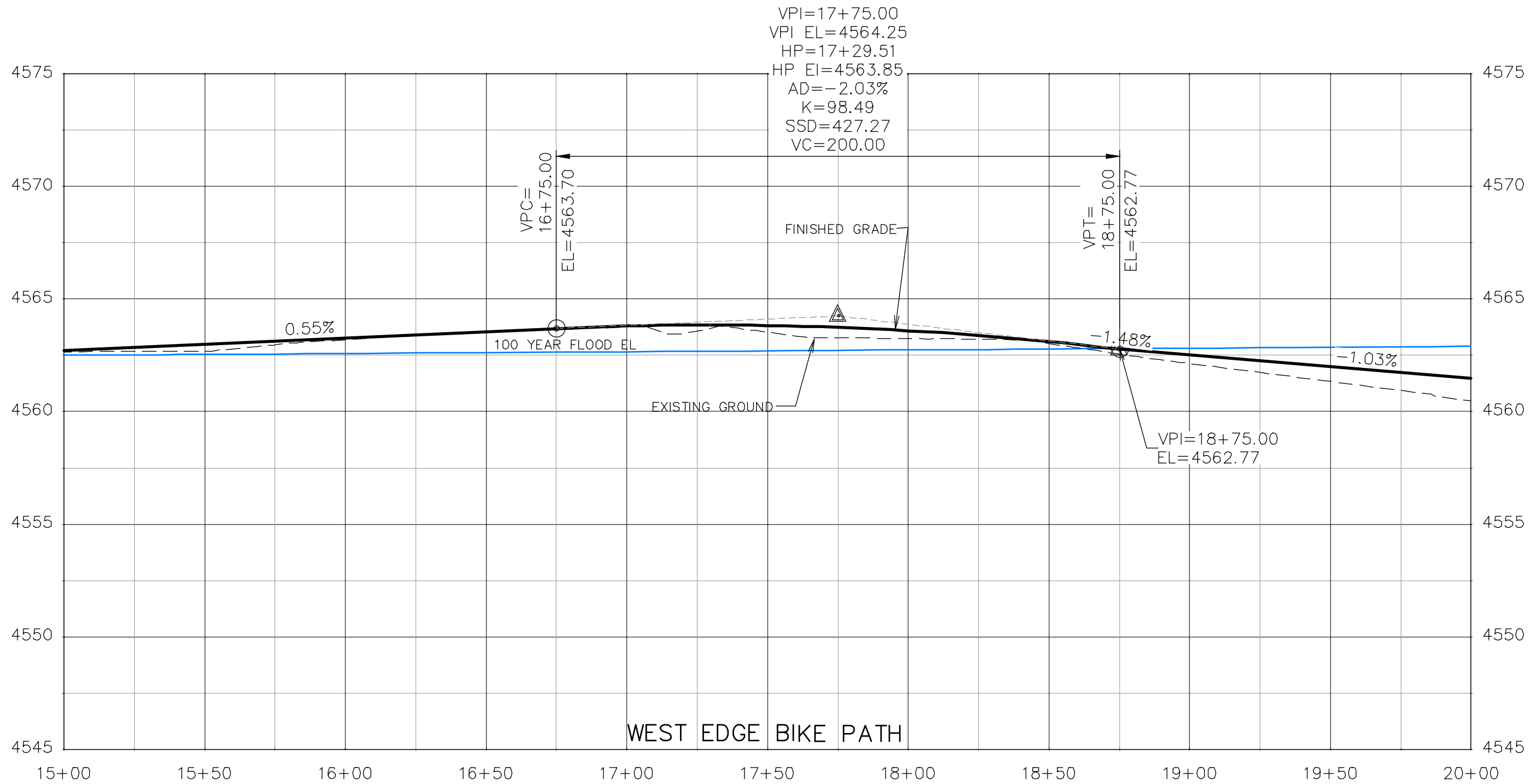
SCALES:	
PLAN & PROFILE	1" = 20'
VERTICAL	1" = 5'



PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 ROADWAY PROFILE - (17)  
 June 19, 2020





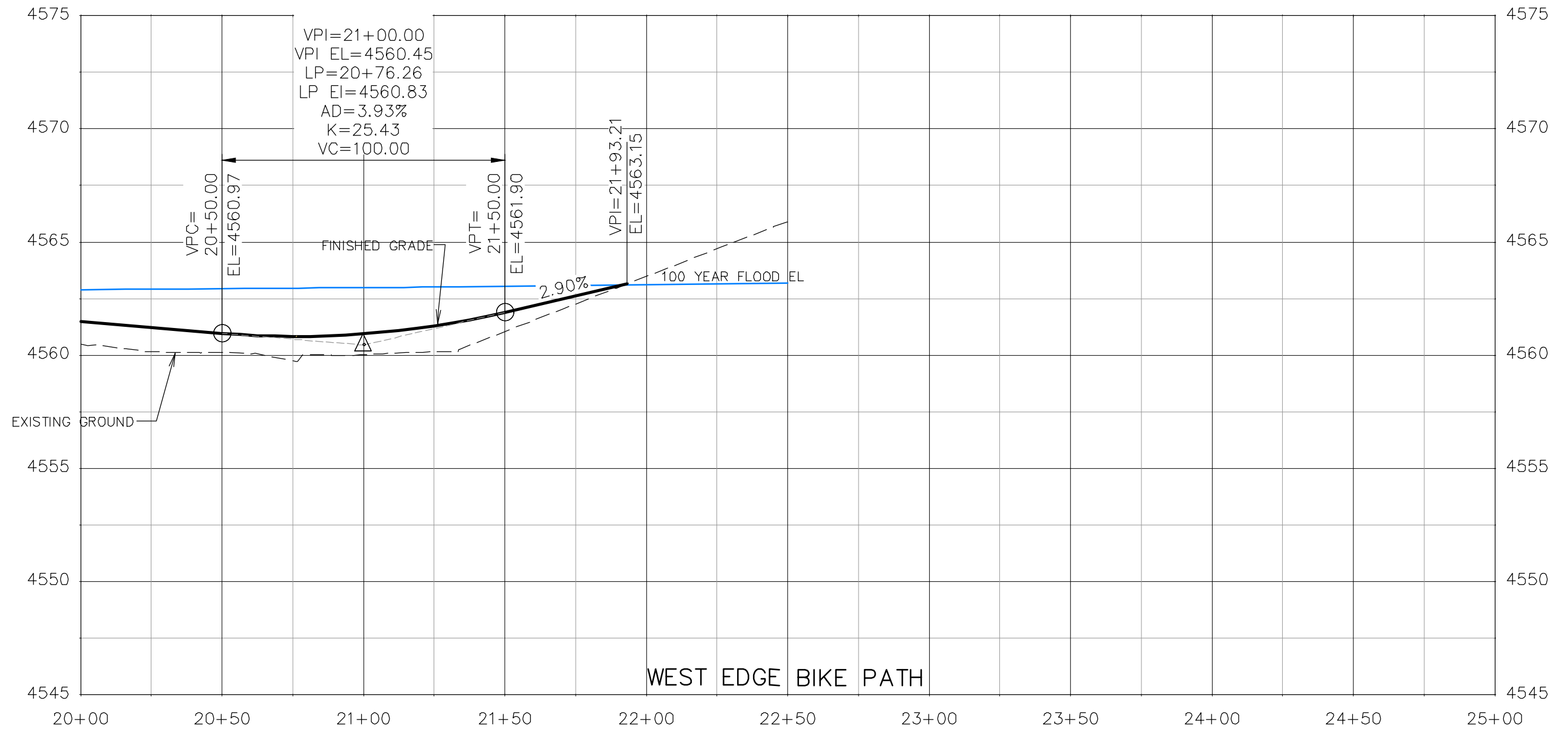
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	5
VERTICAL	



**PUBLIC WORKS  
 ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
 ROADWAY PROFILE - (18)  
 June 19, 2020**



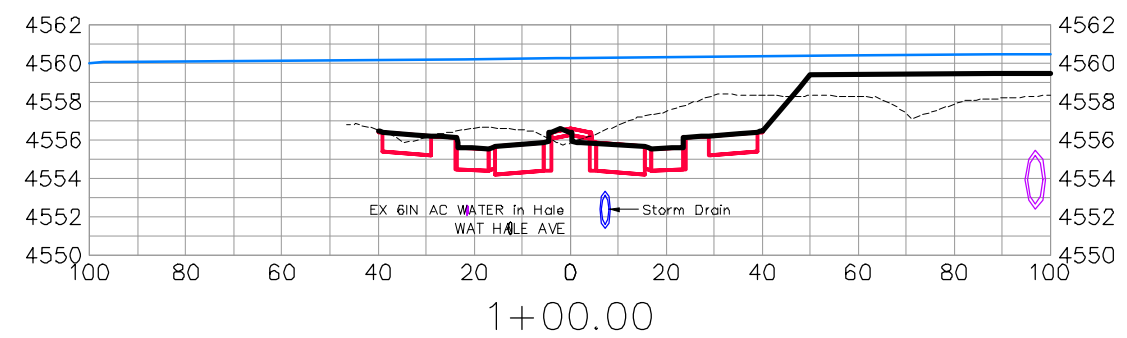
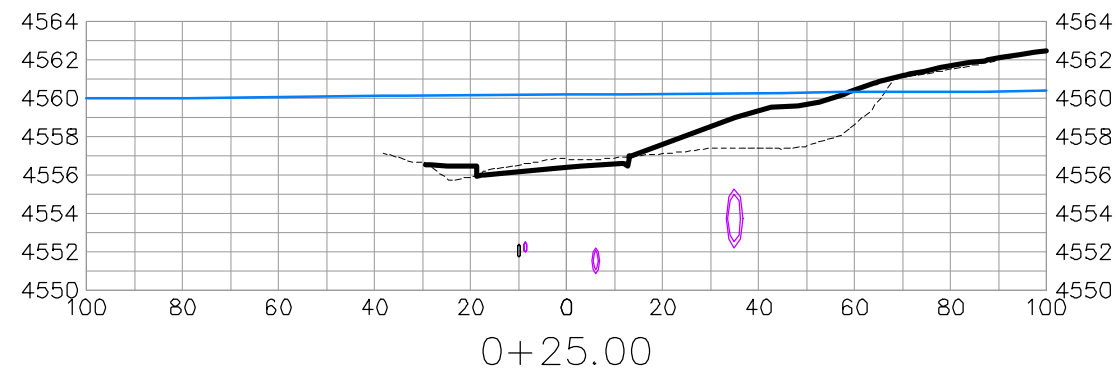
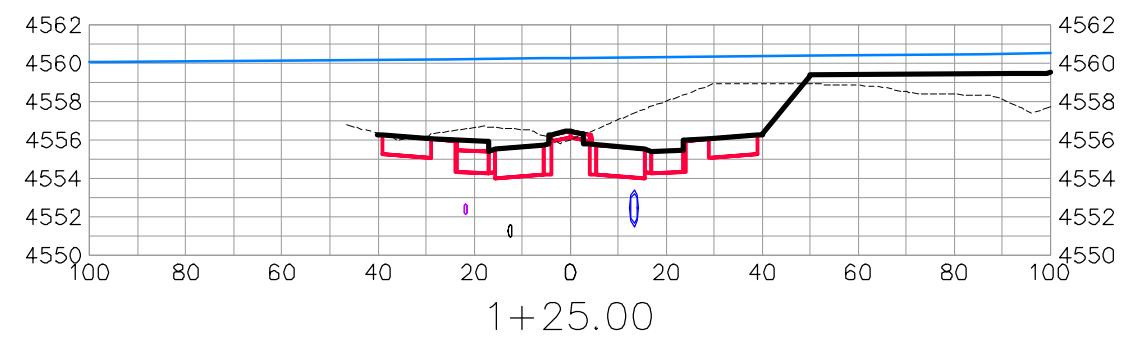
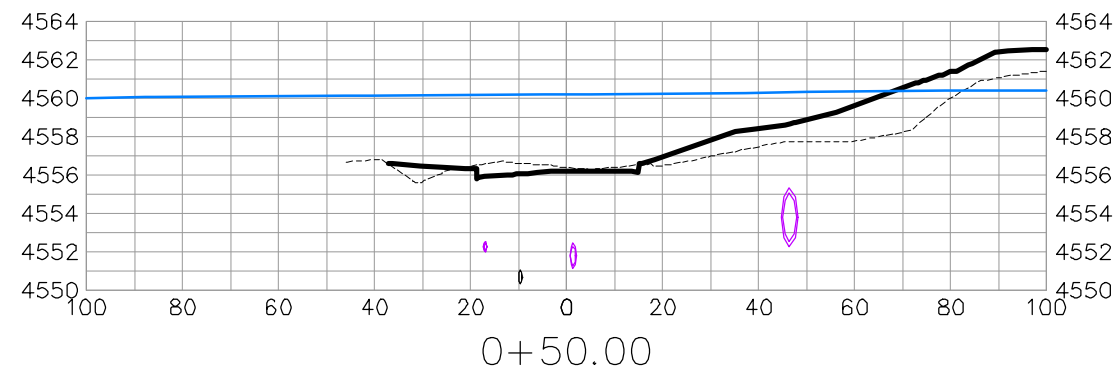
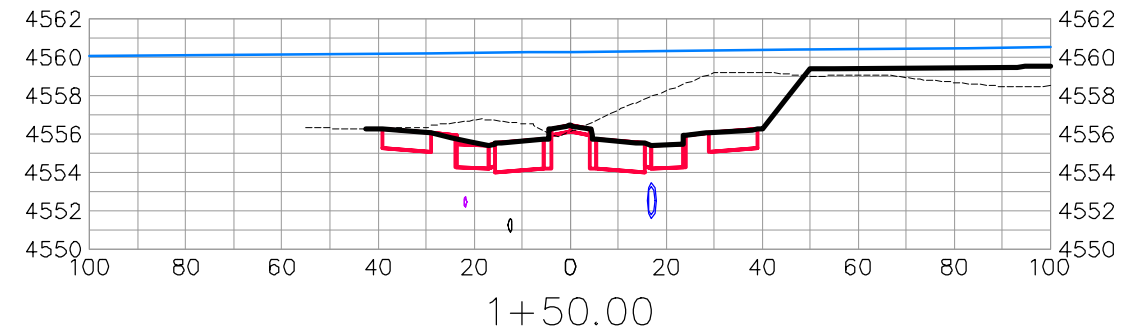
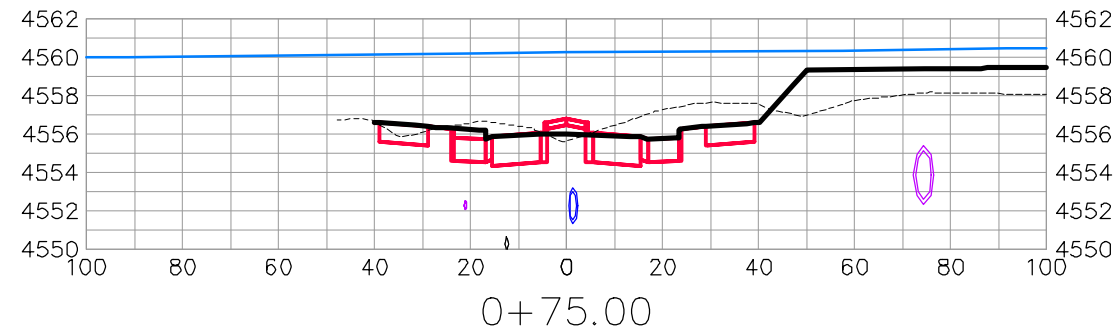
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0 10 20 40	HORIZONTAL
0 1.25 2.5 5	VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROADWAY PROFILE - (19)  
June 19, 2020



HALE AVE

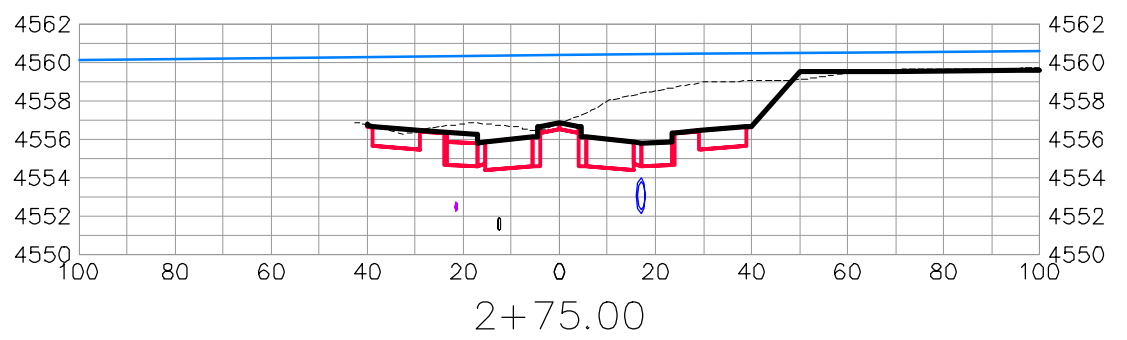
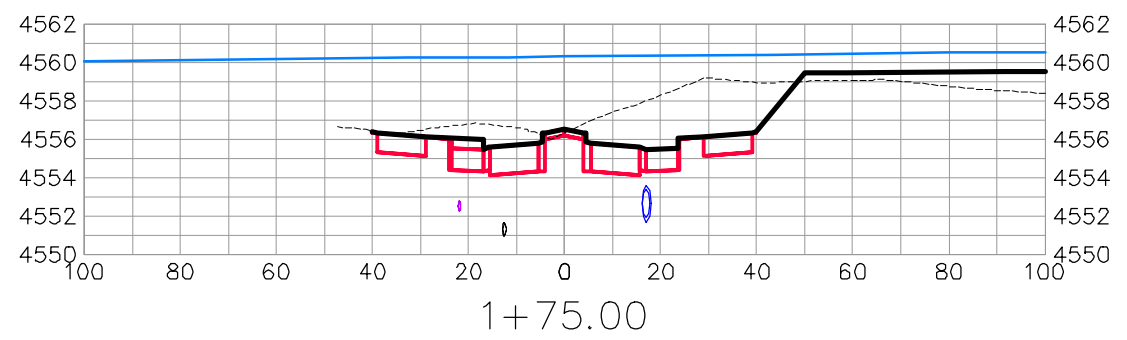
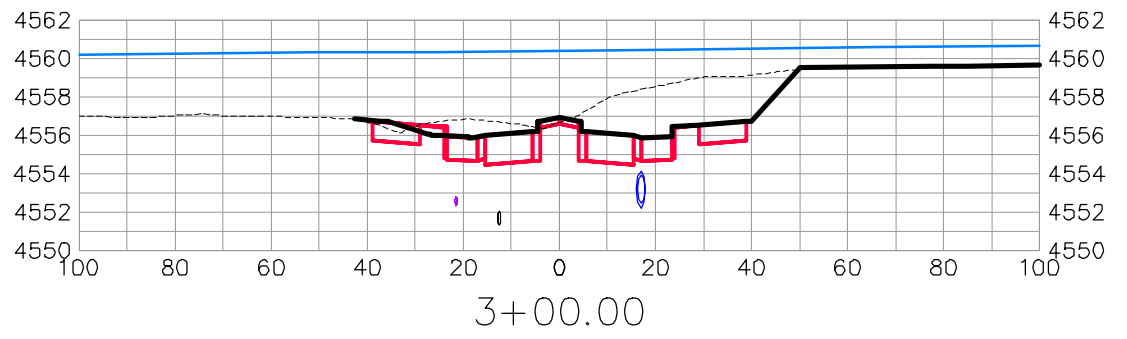
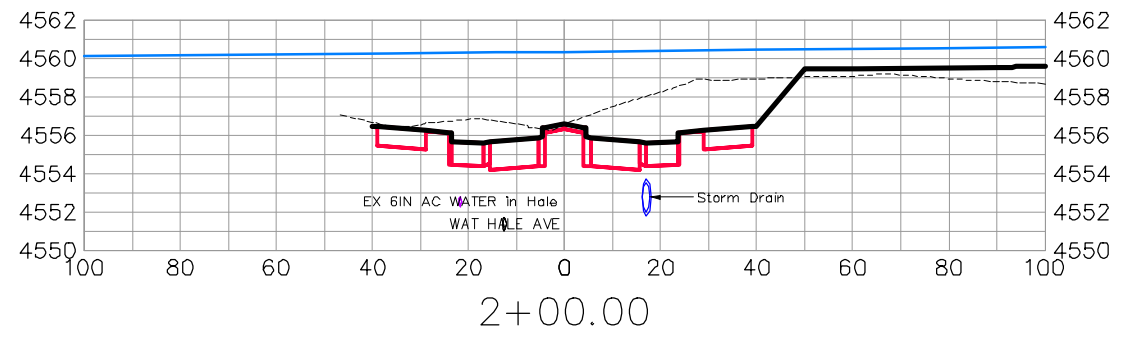
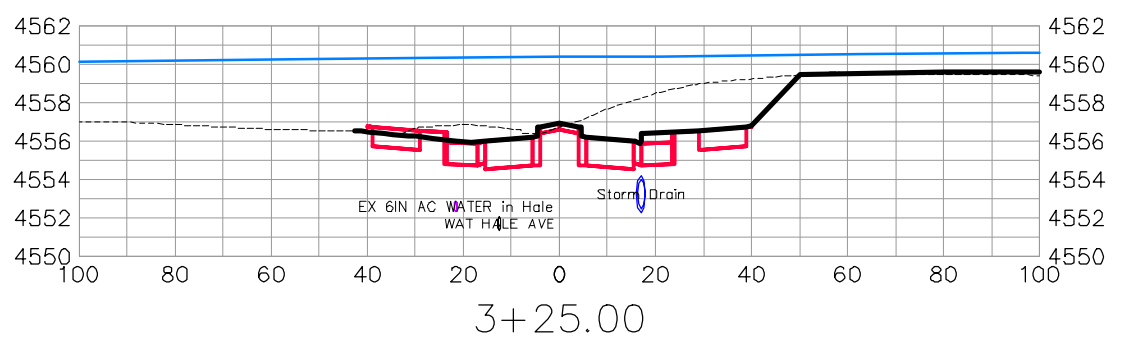
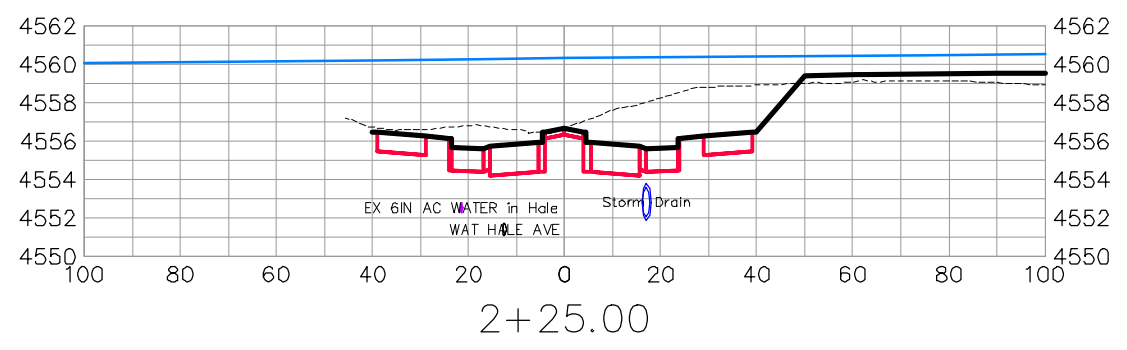
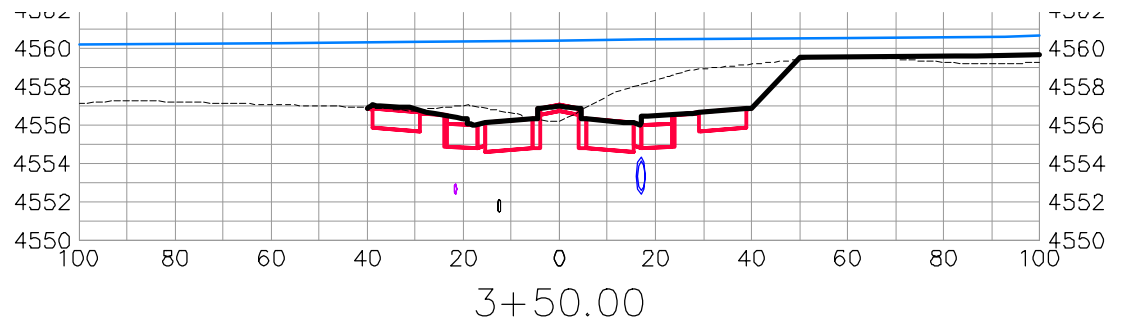
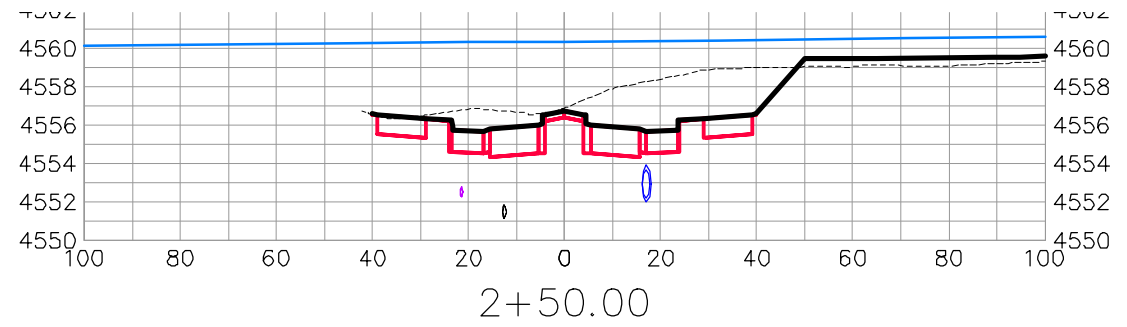
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
PLAN & PROFILE	1" = 20'
VERTICAL	1" = 2.5'



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (1)  
June 19, 2020



HALE AVE

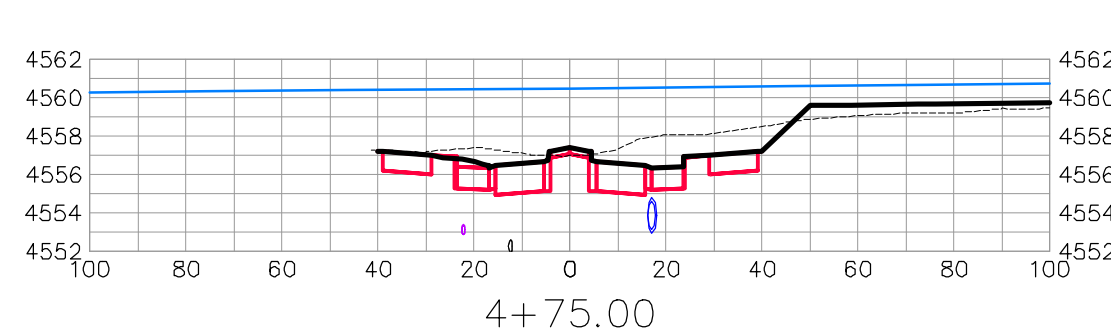
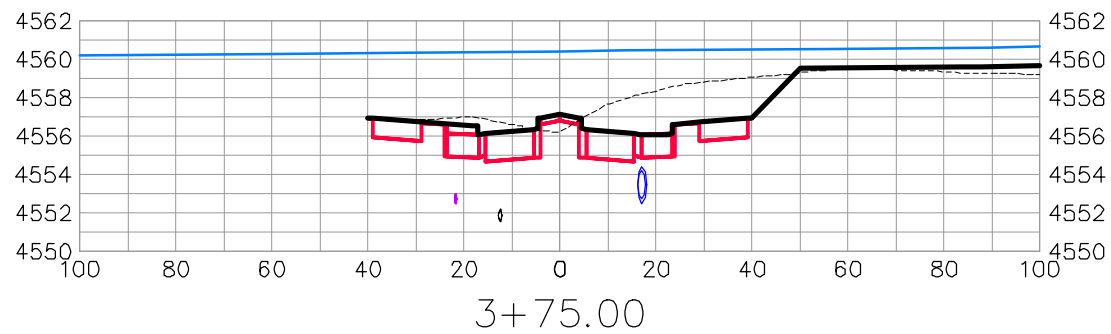
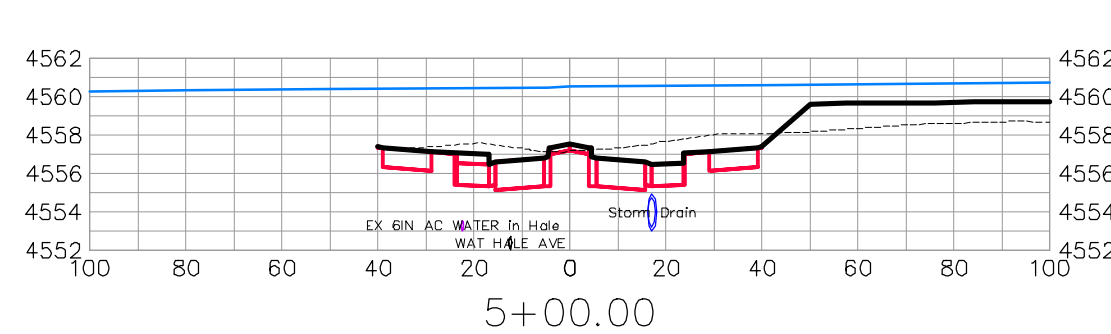
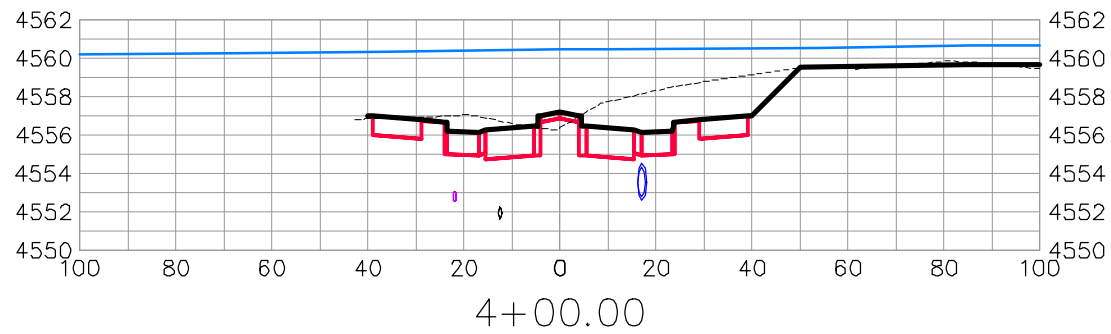
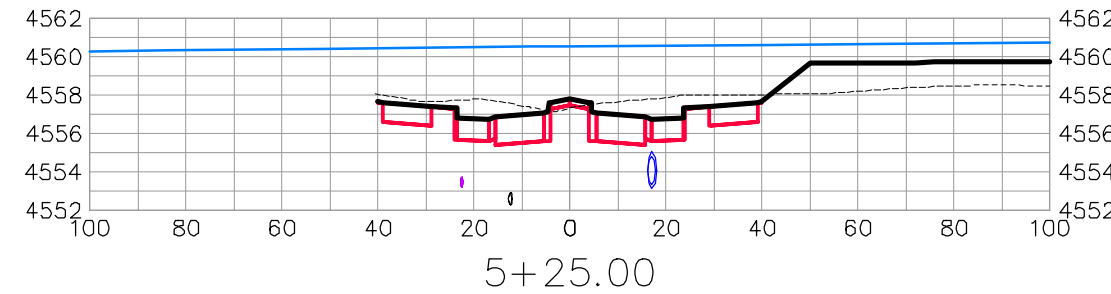
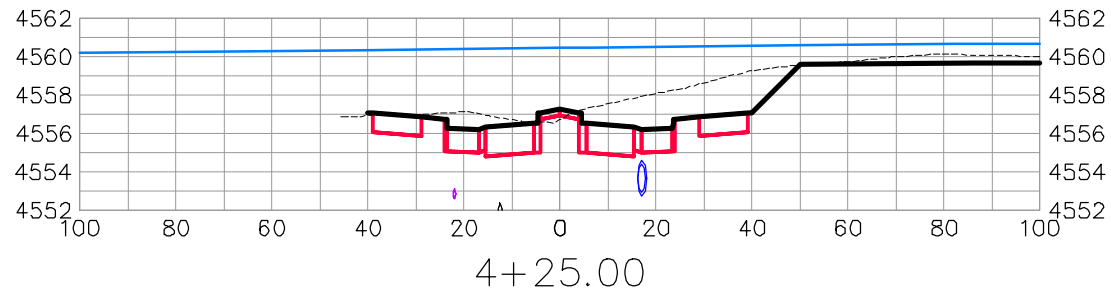
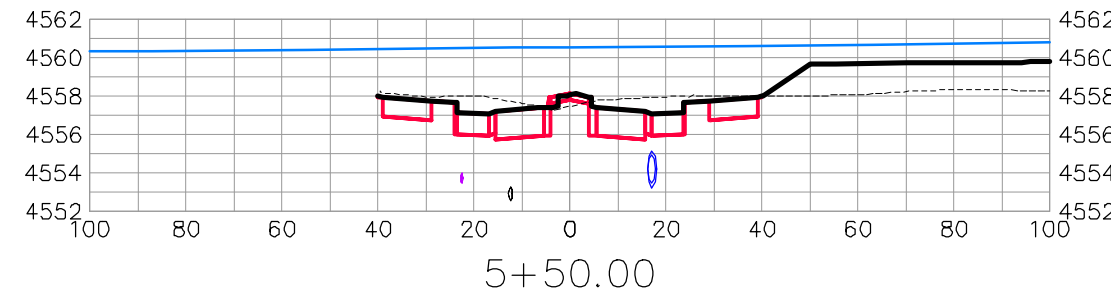
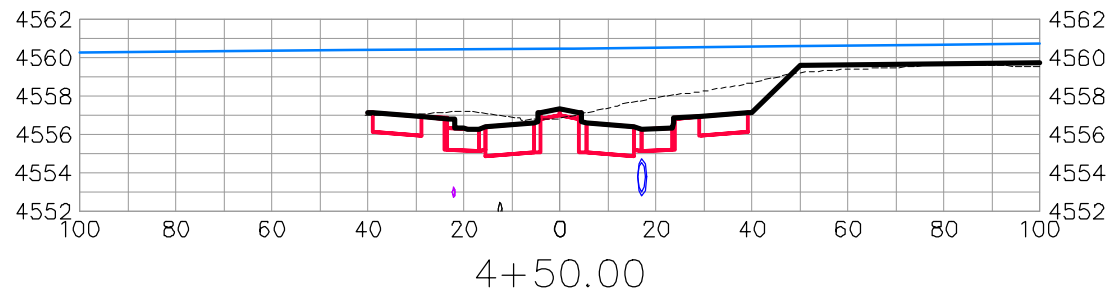
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	10
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (2)  
June 19, 2020



HALE AVE

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

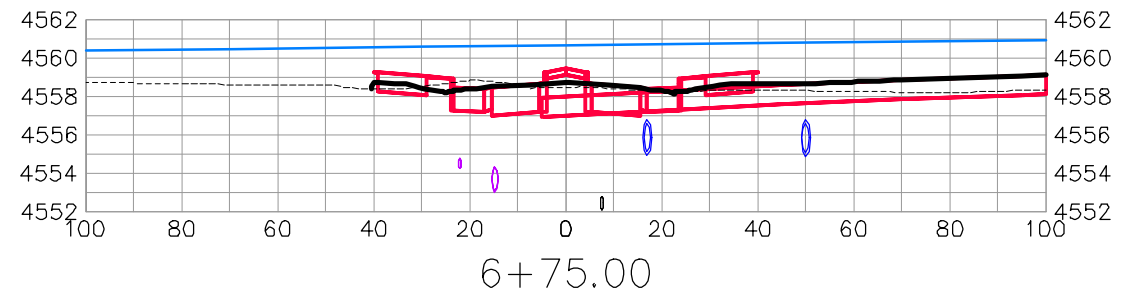
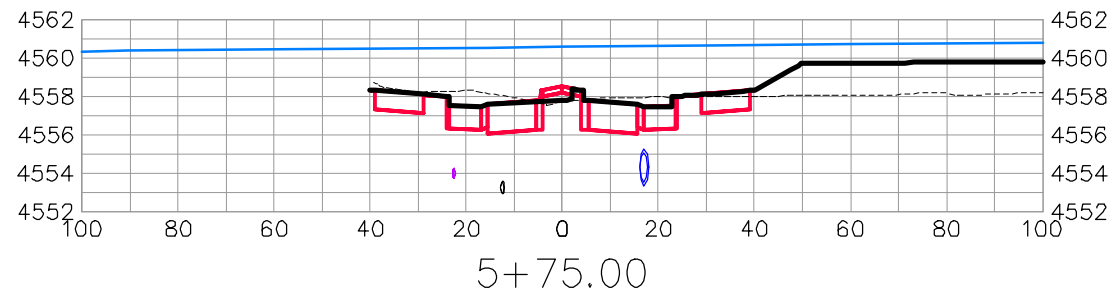
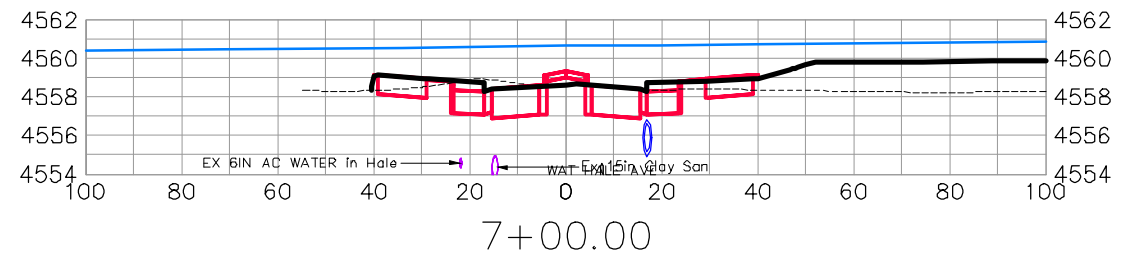
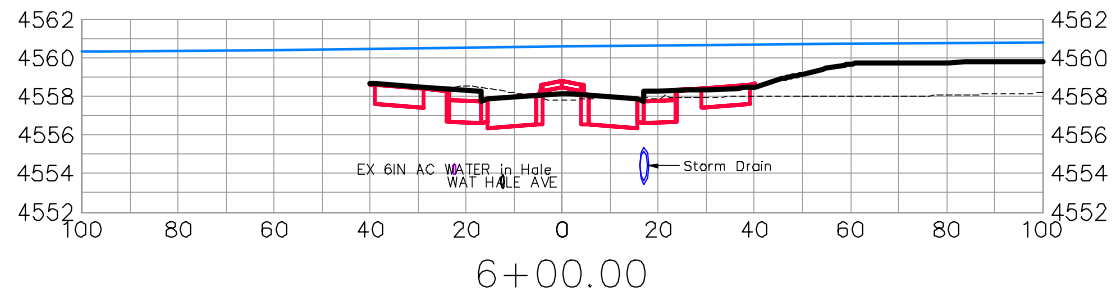
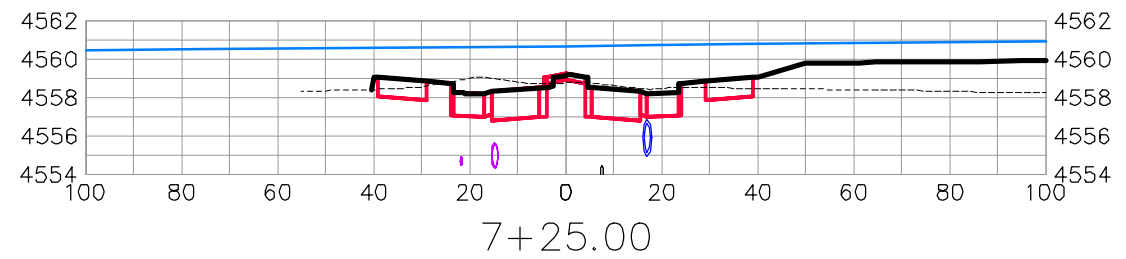
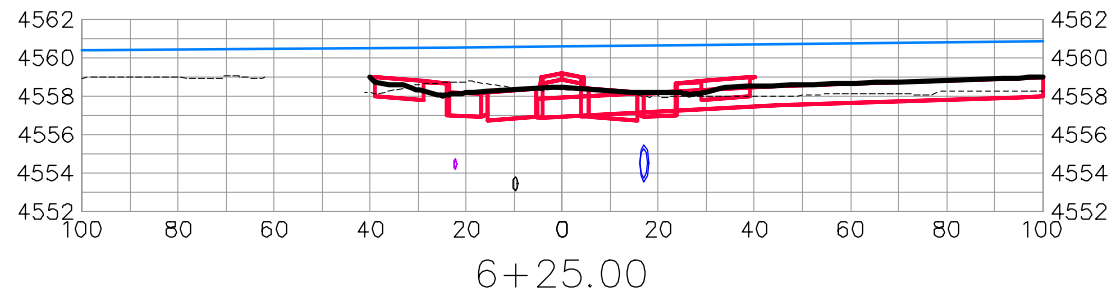
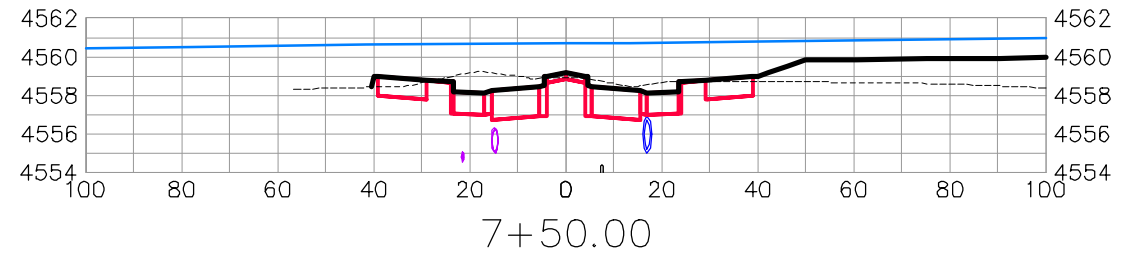
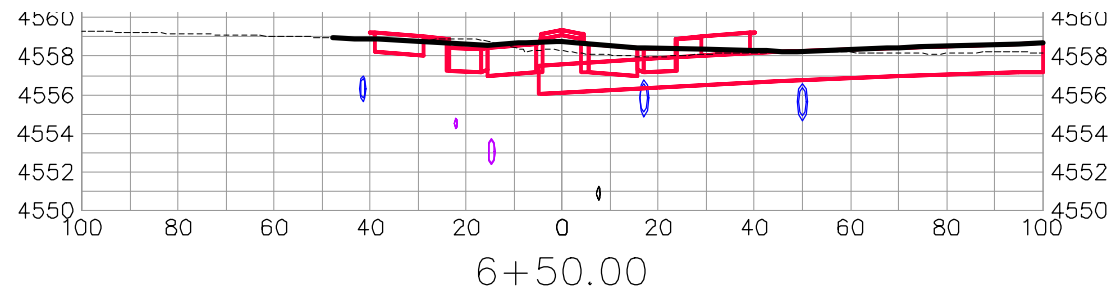
SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (3)  
June 19, 2020





HALE AVE

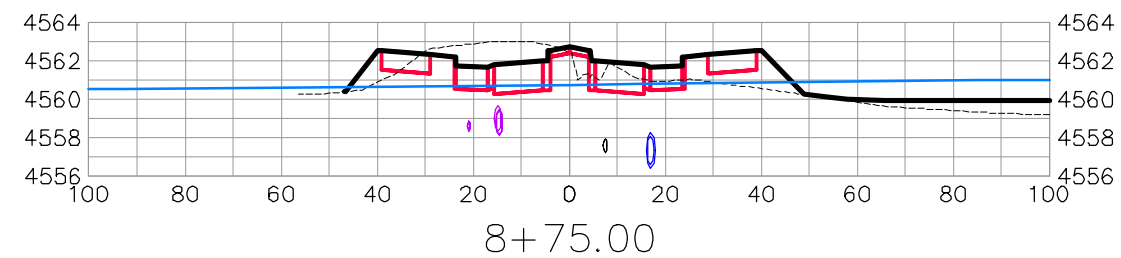
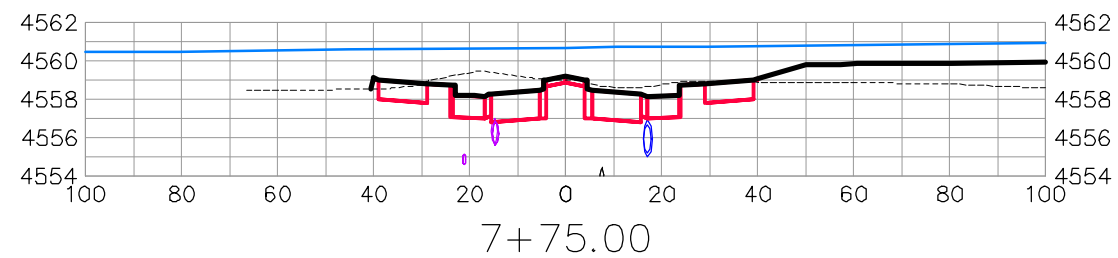
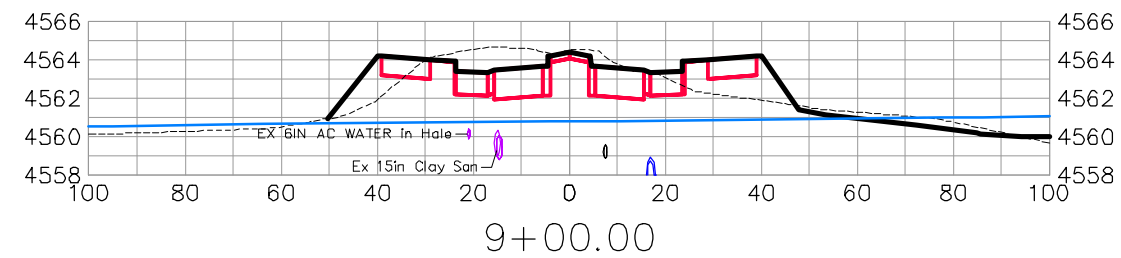
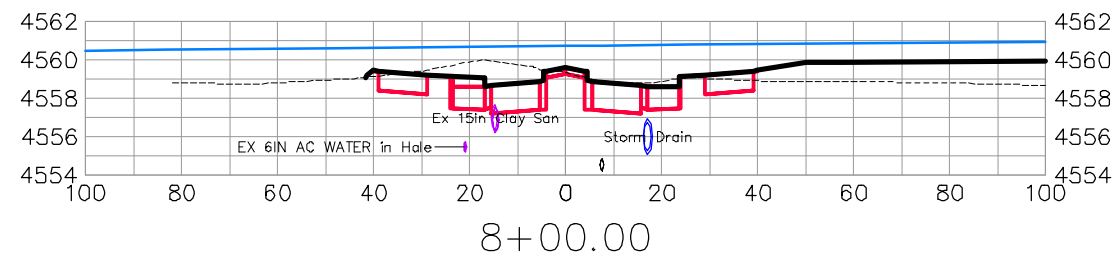
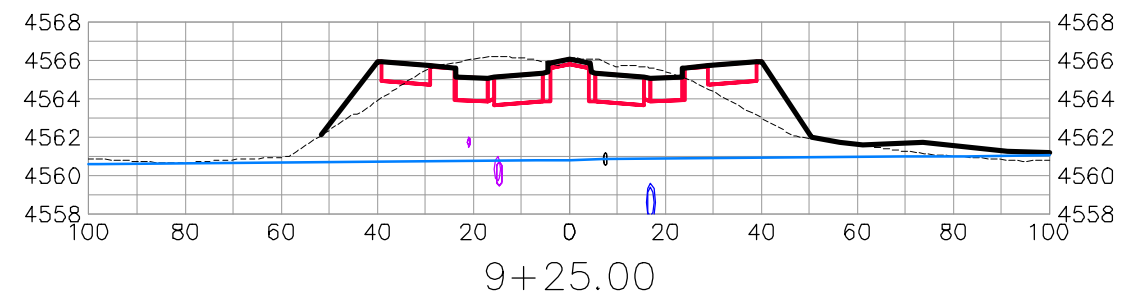
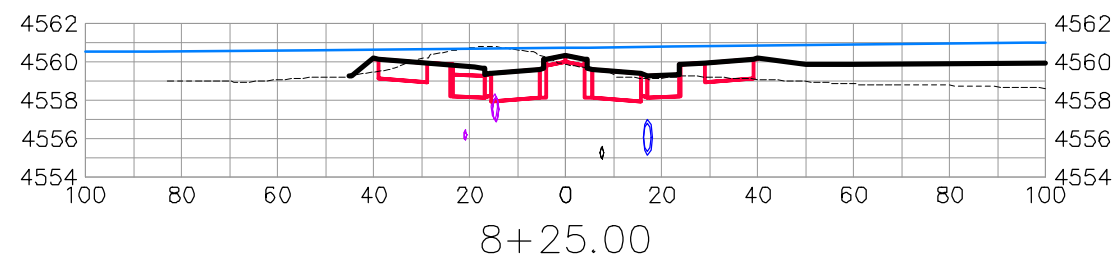
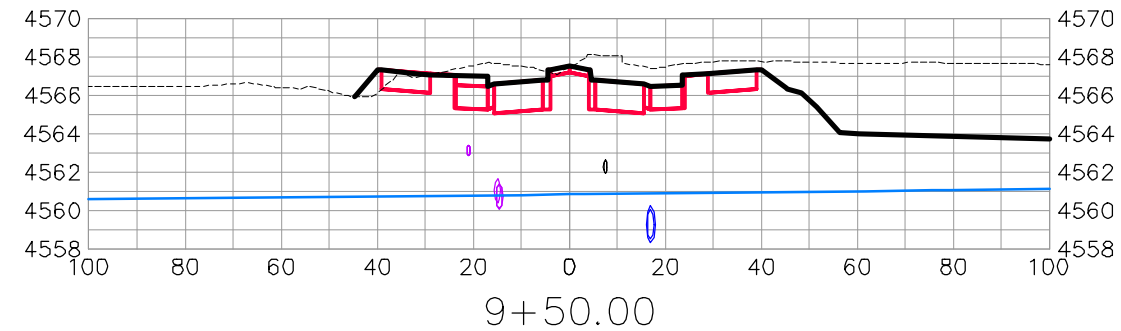
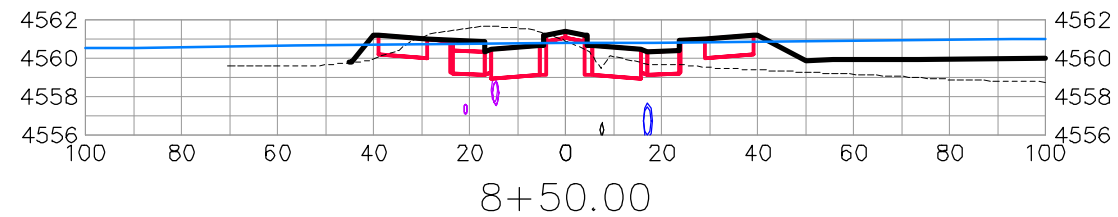
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	10
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (4)  
June 19, 2020



HALE AVE

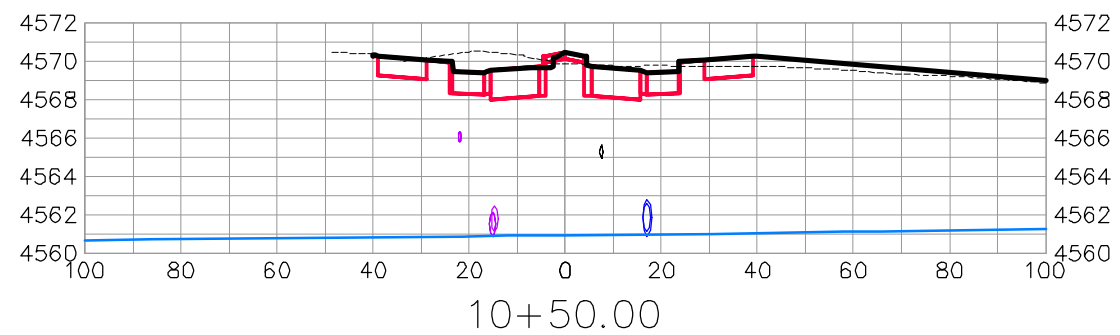
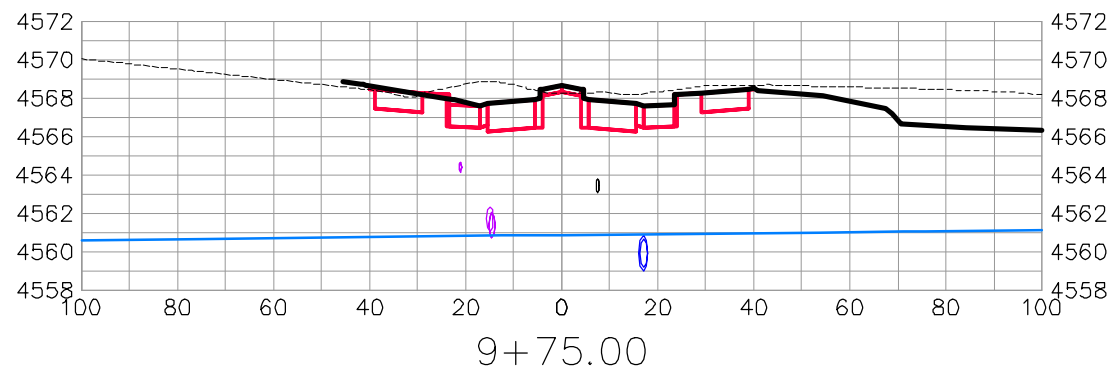
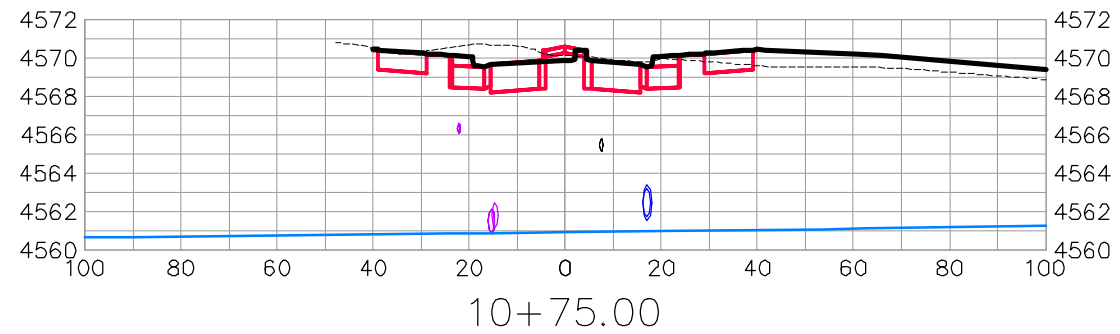
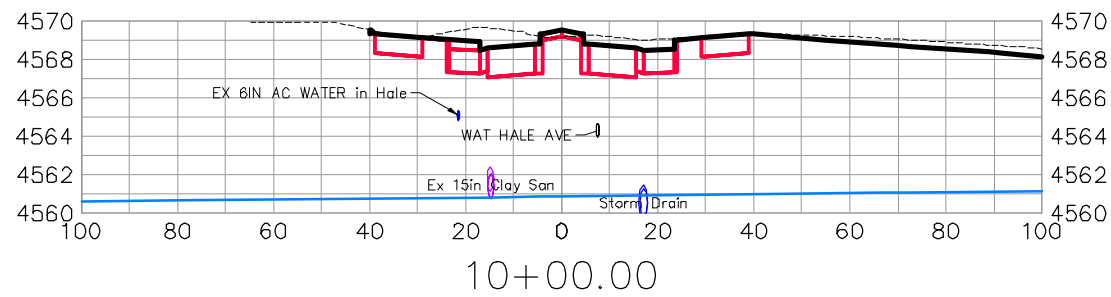
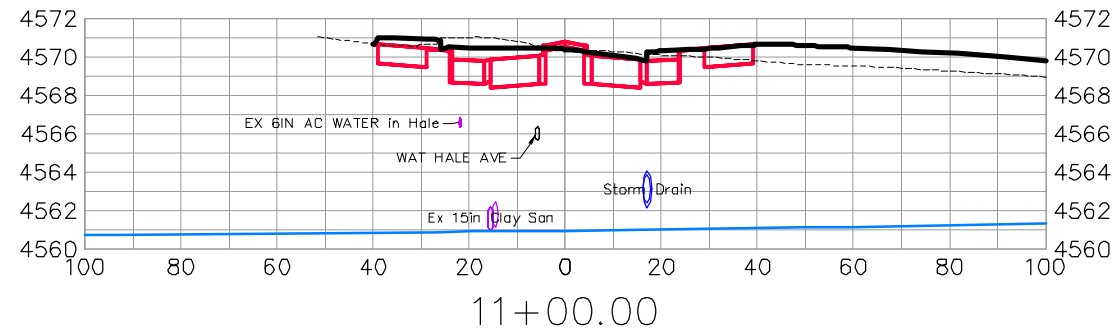
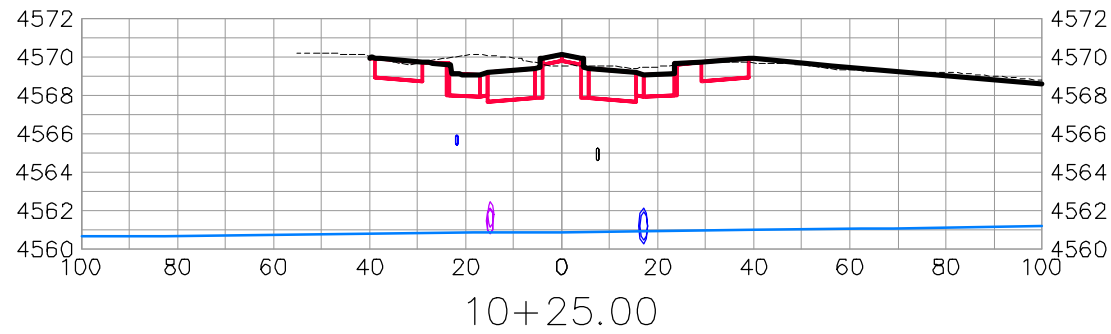
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
PLAN & PROFILE	1" = 20'
VERTICAL	1" = 2.5'



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (5)  
June 19, 2020



HALE AVE

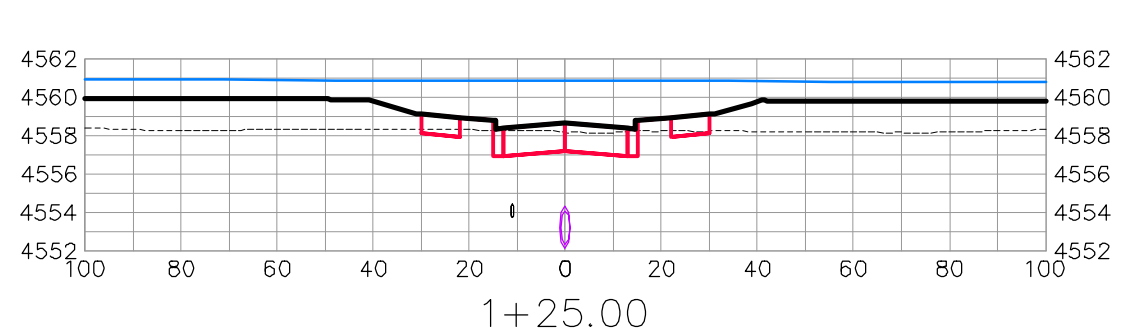
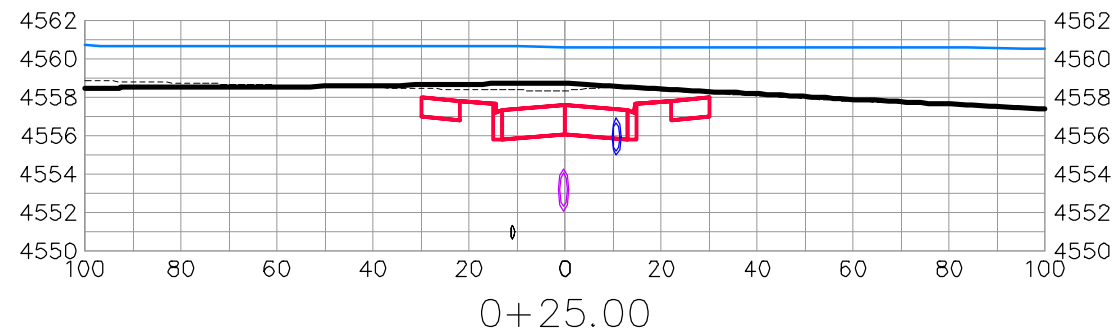
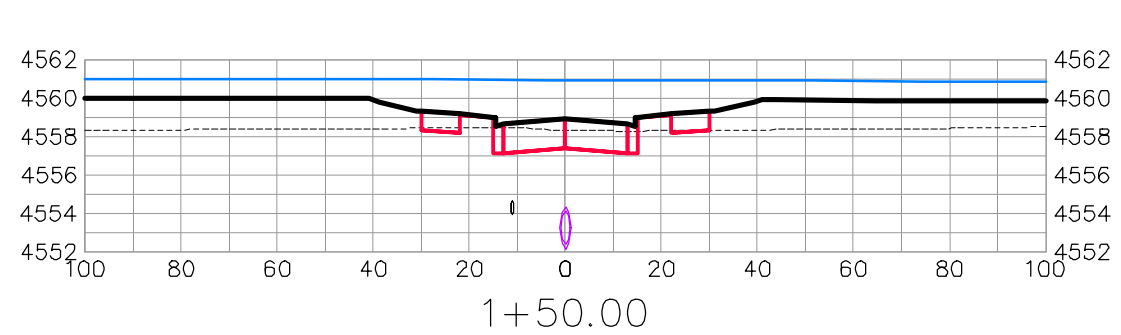
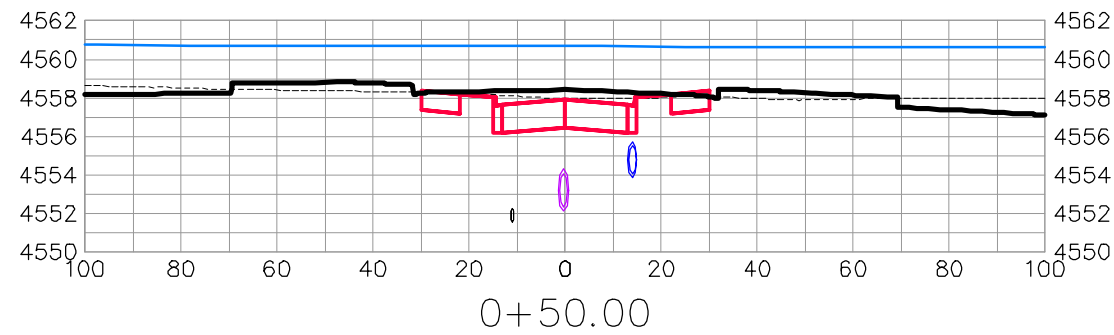
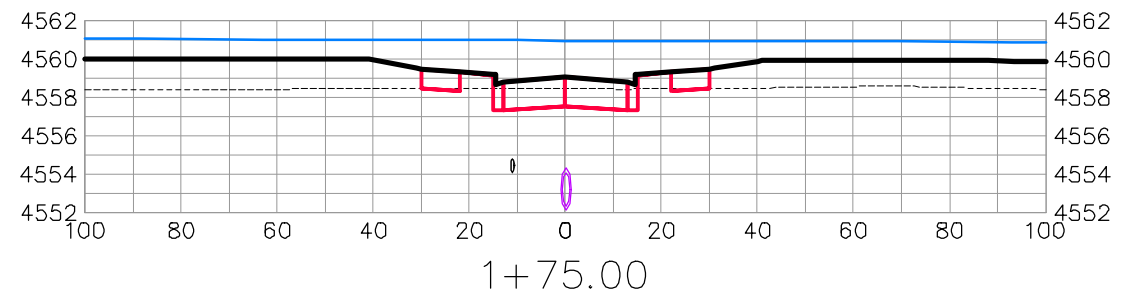
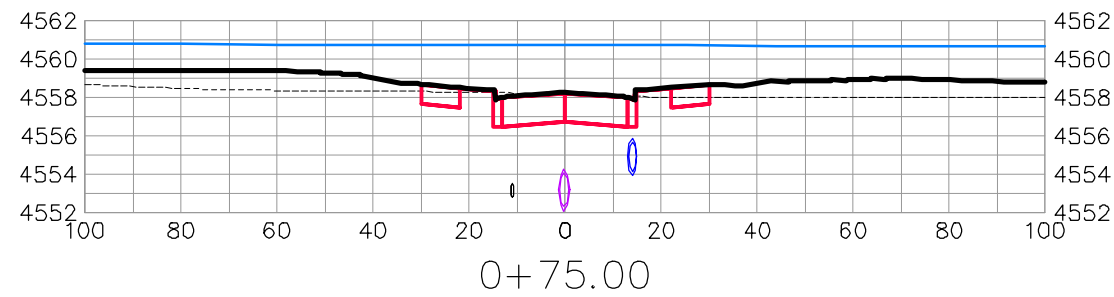
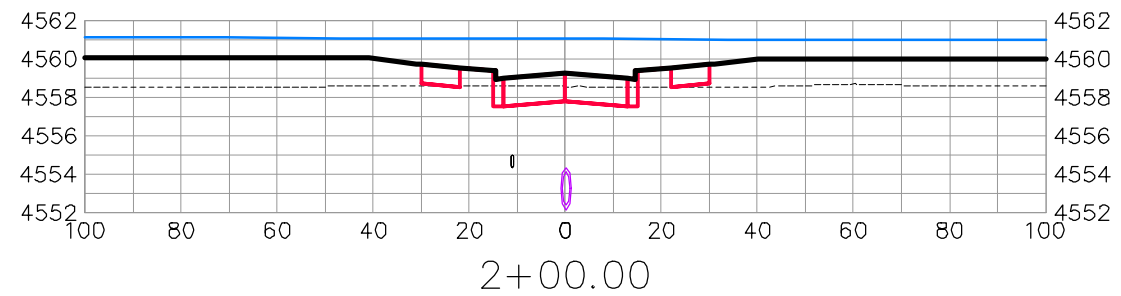
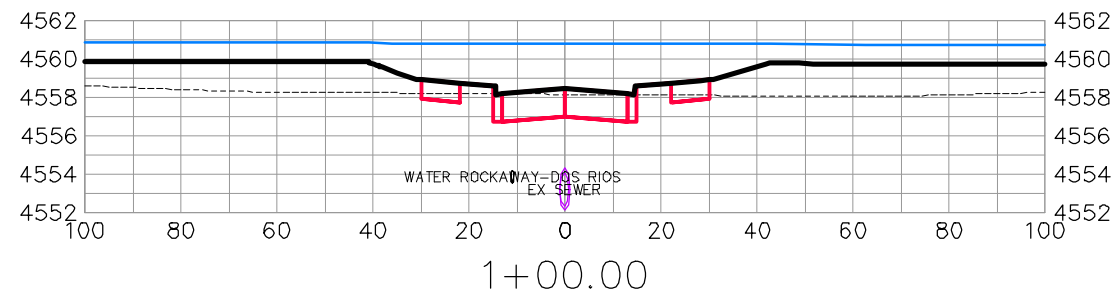
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (6)  
June 19, 2020



ROCKAWAY AVE

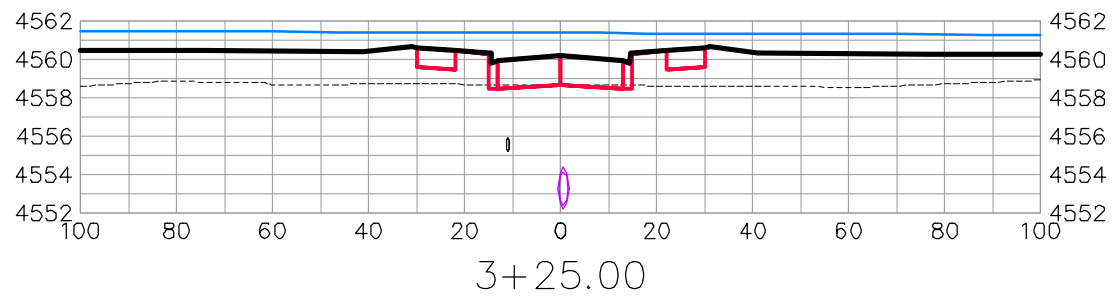
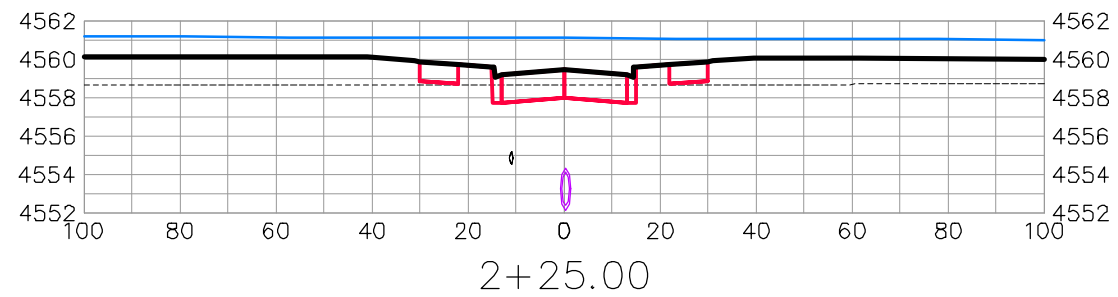
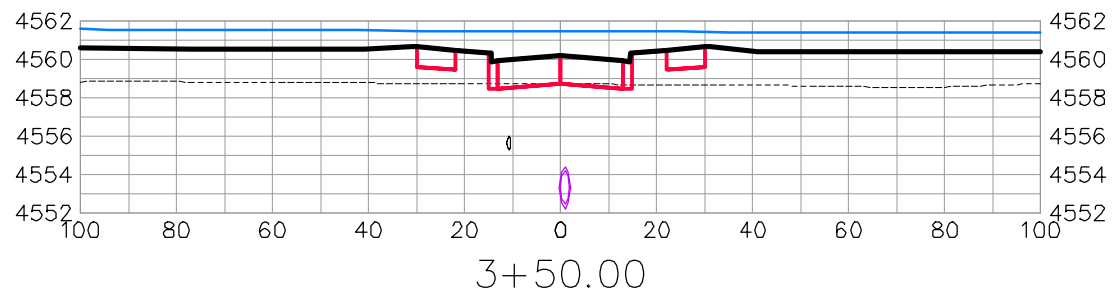
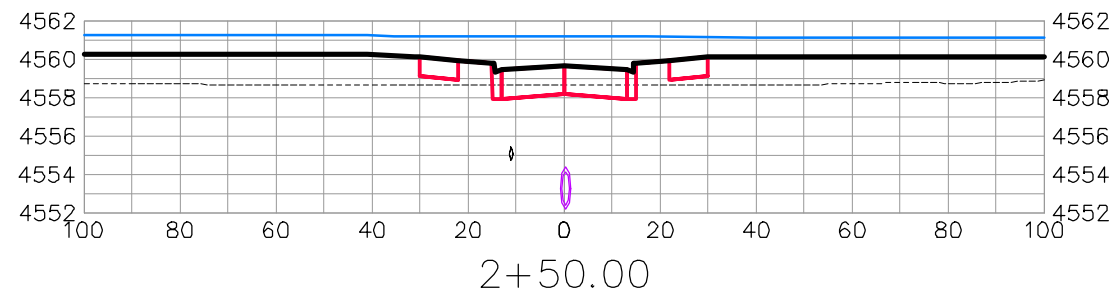
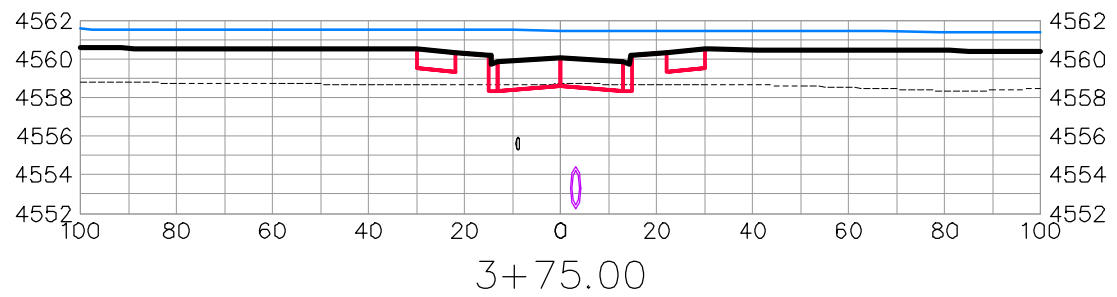
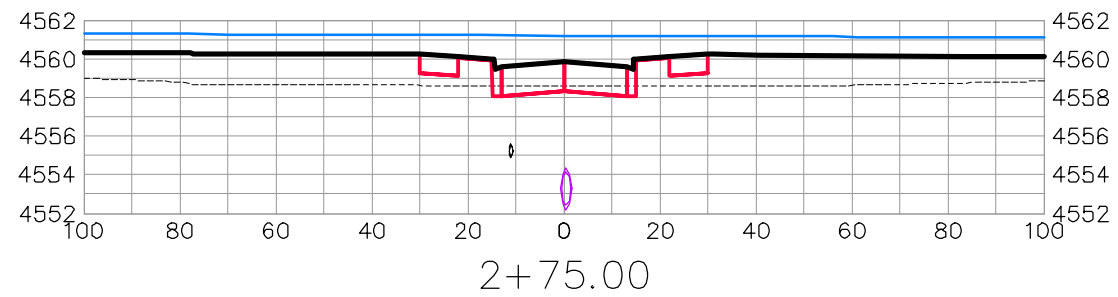
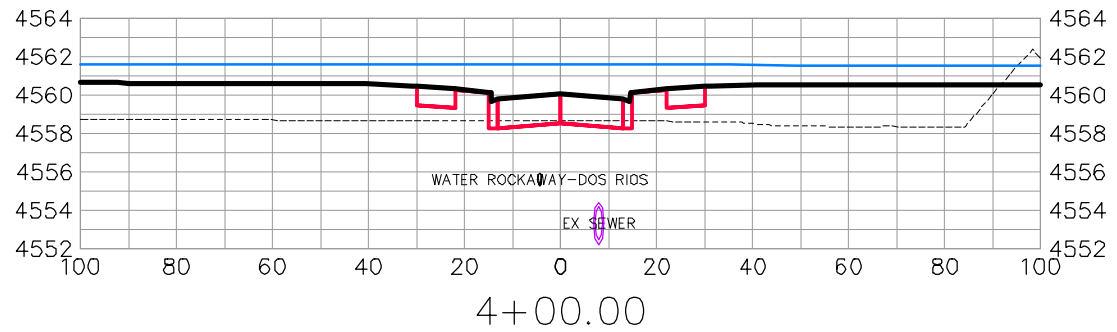
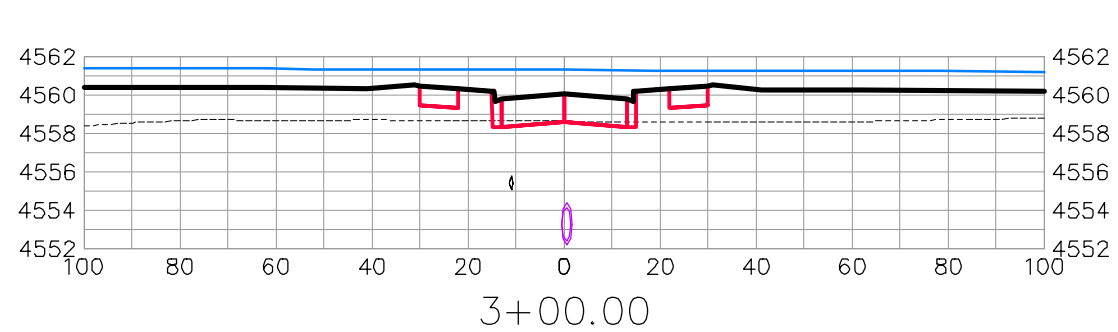
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (7)  
June 19, 2020



ROCKAWAY AVE

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

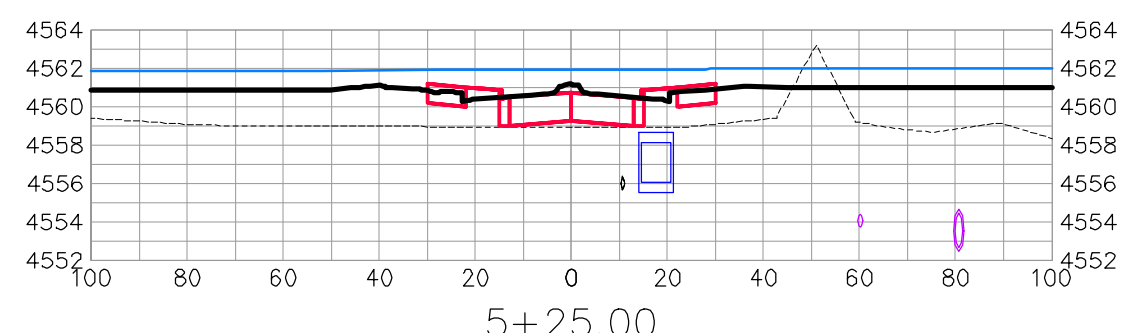
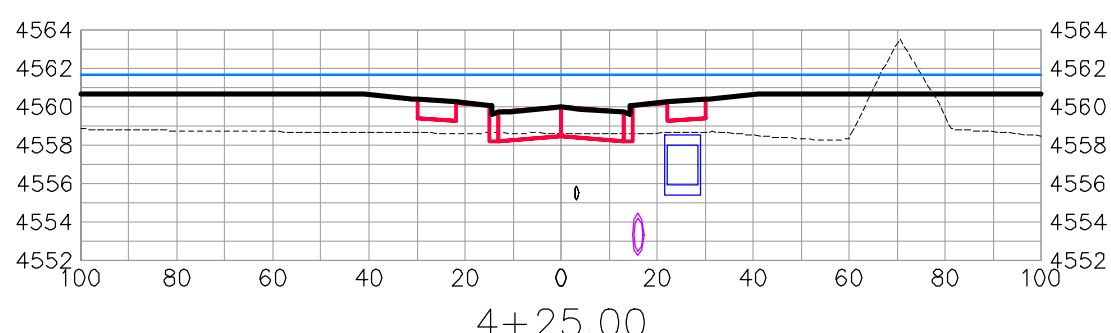
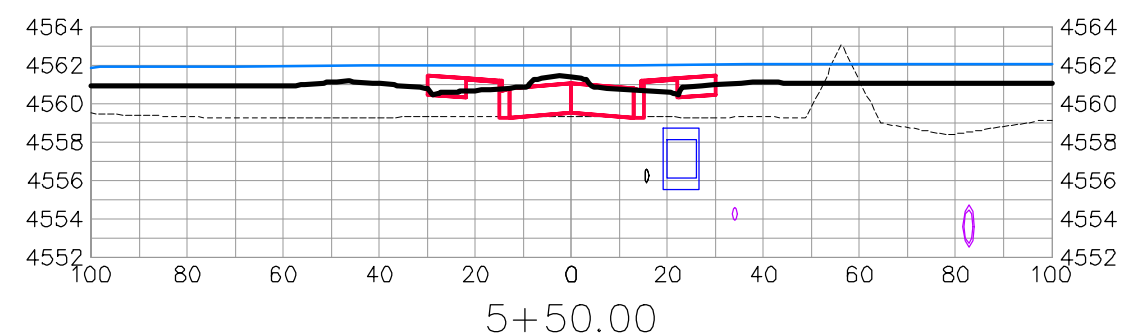
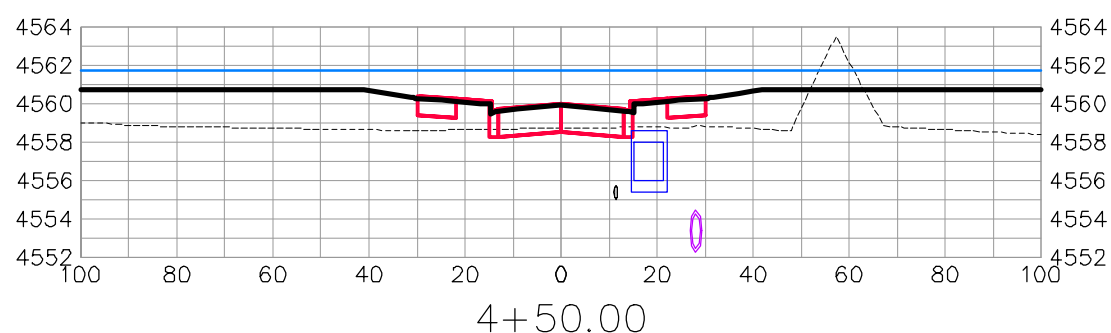
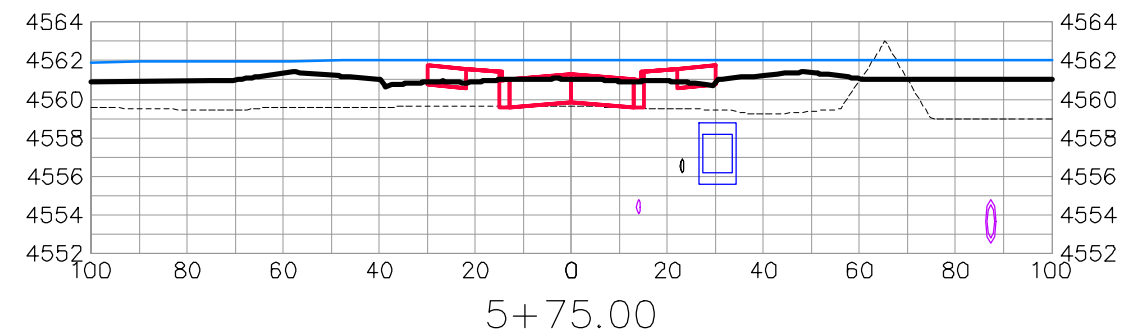
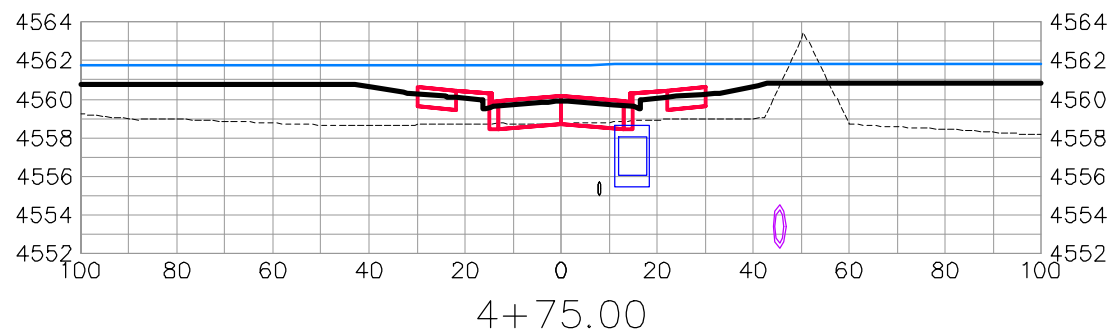
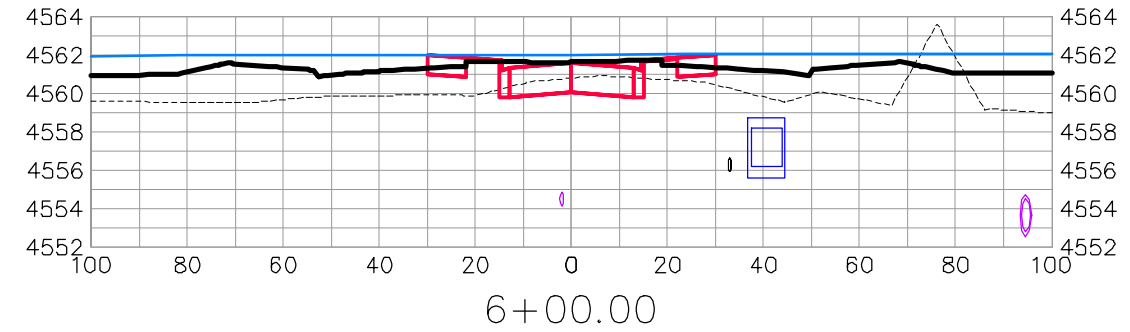
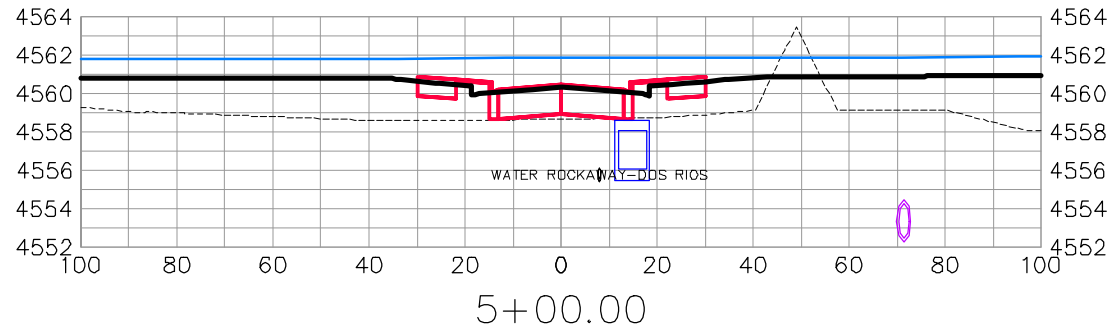
SCALES:	
0	40
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (8)  
June 19, 2020





ROCKAWAY AVE

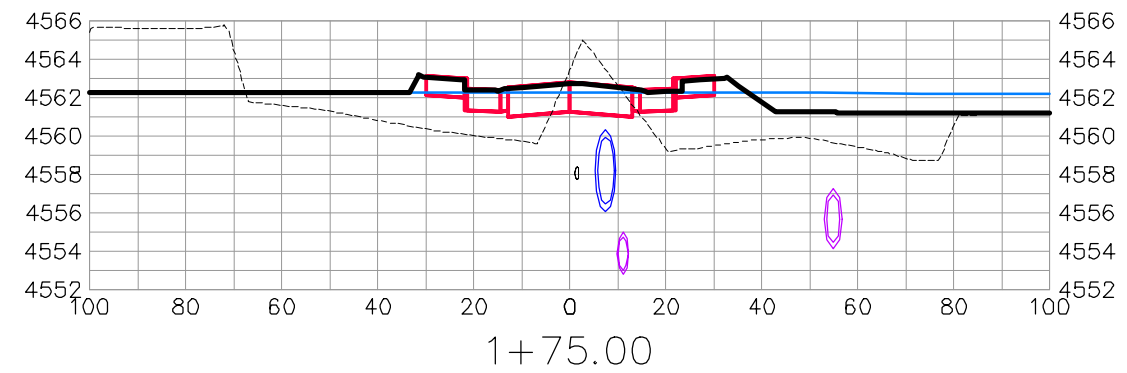
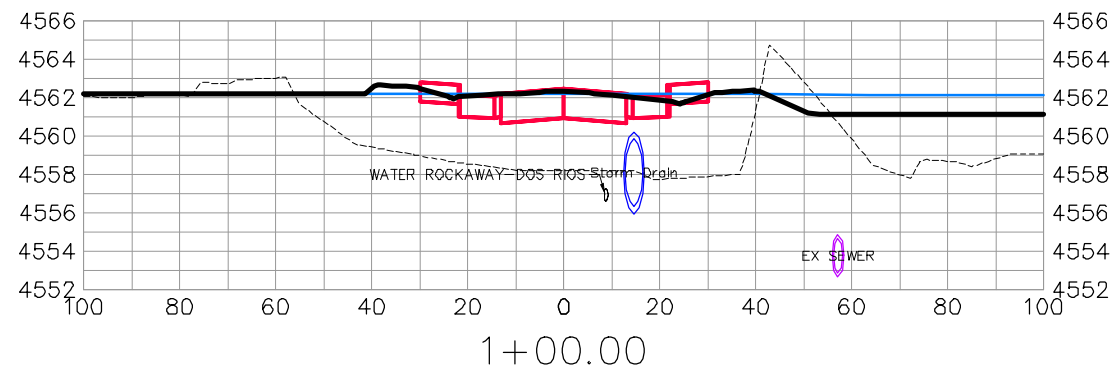
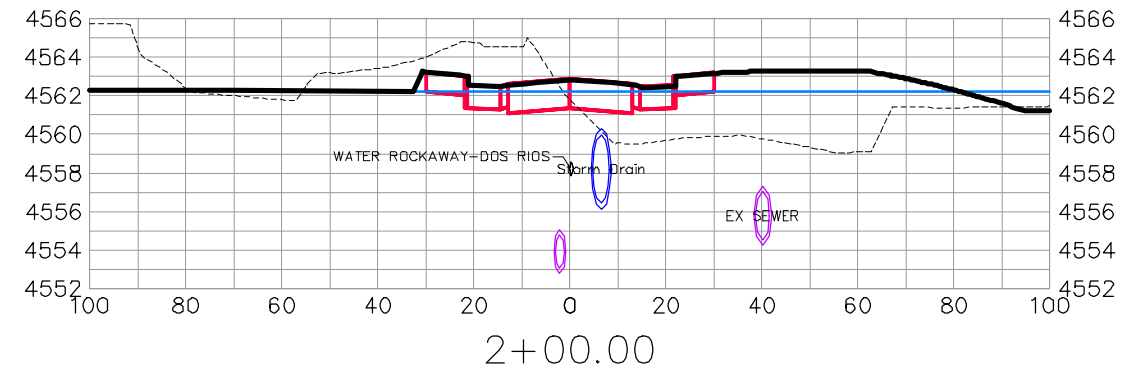
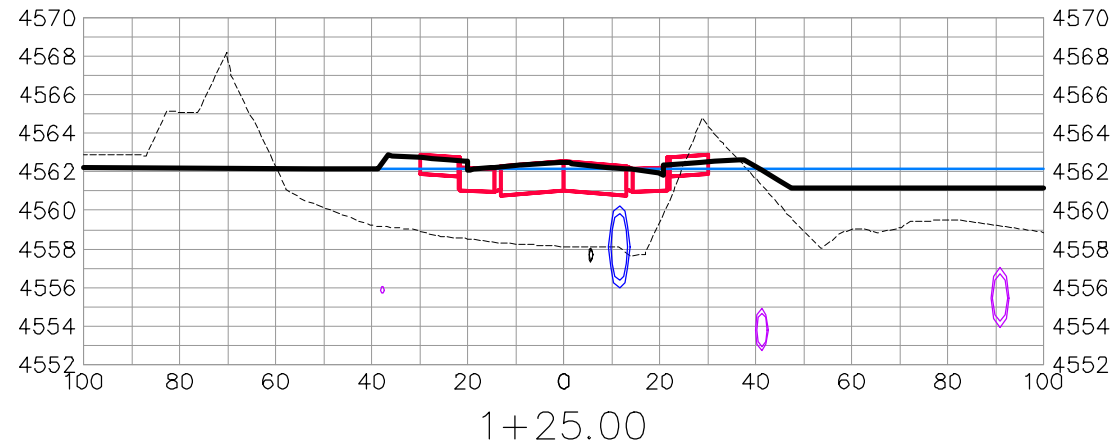
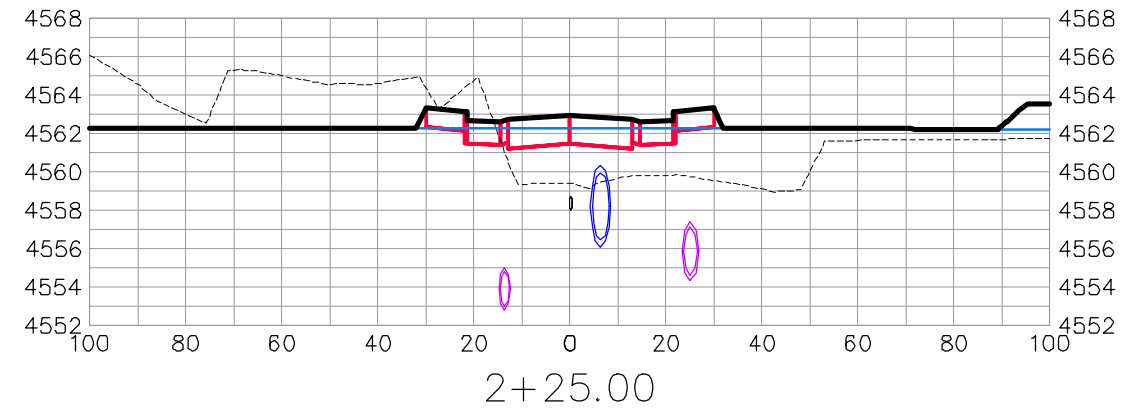
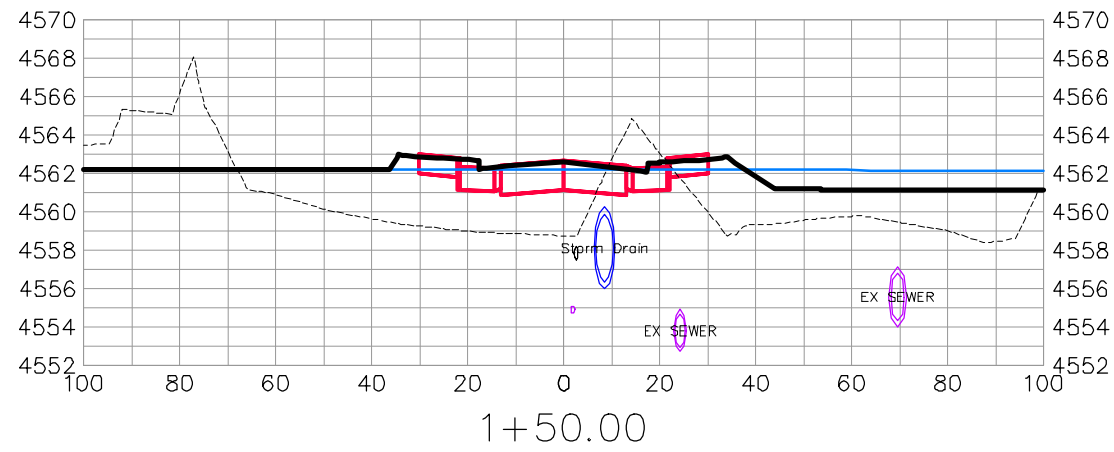
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (9)  
June 19, 2020



DOS RIOS DR

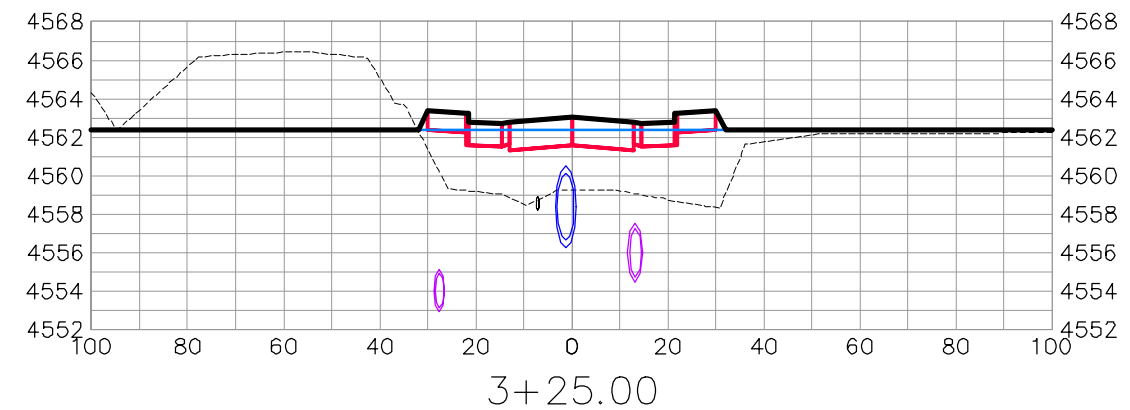
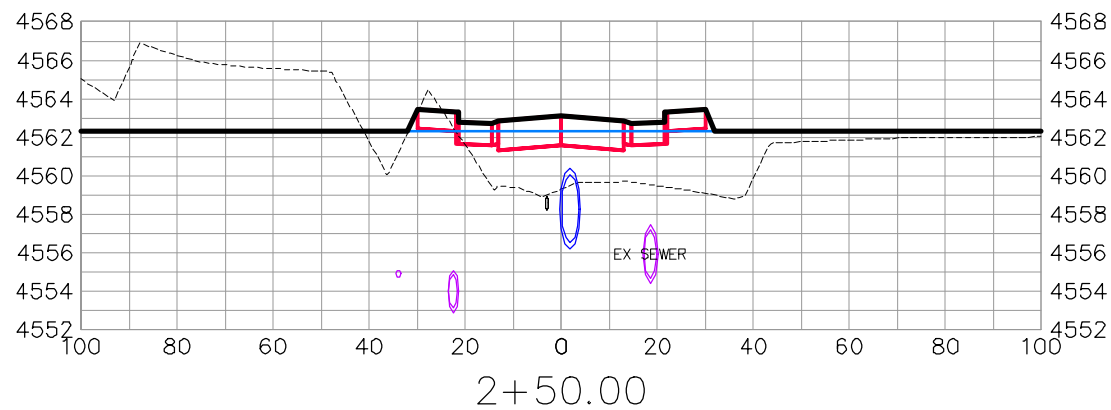
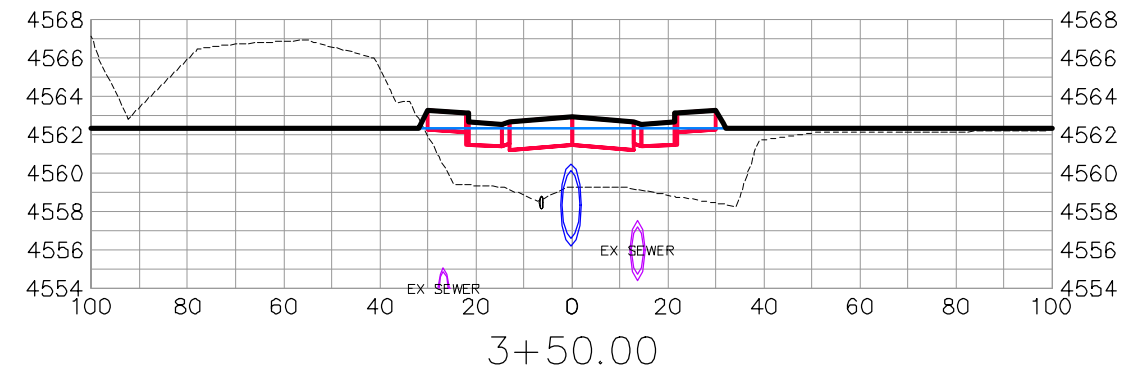
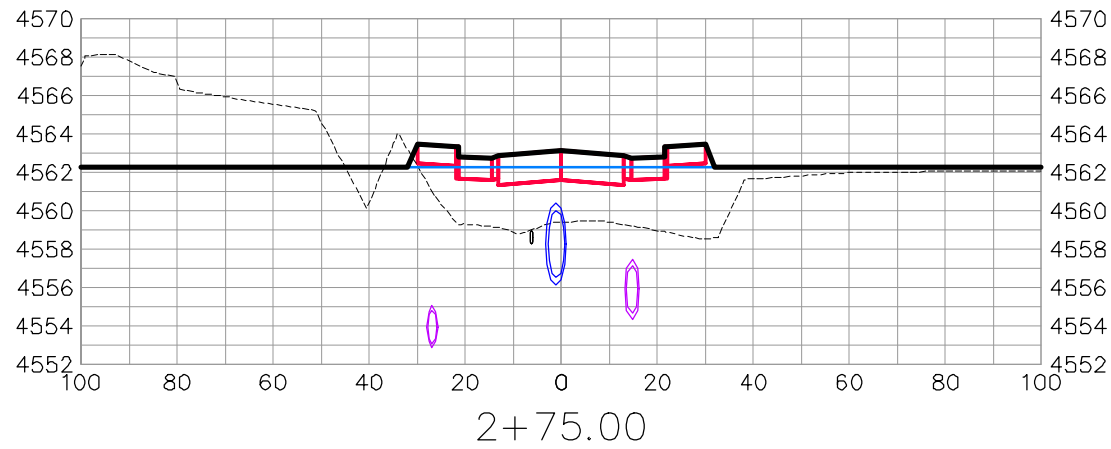
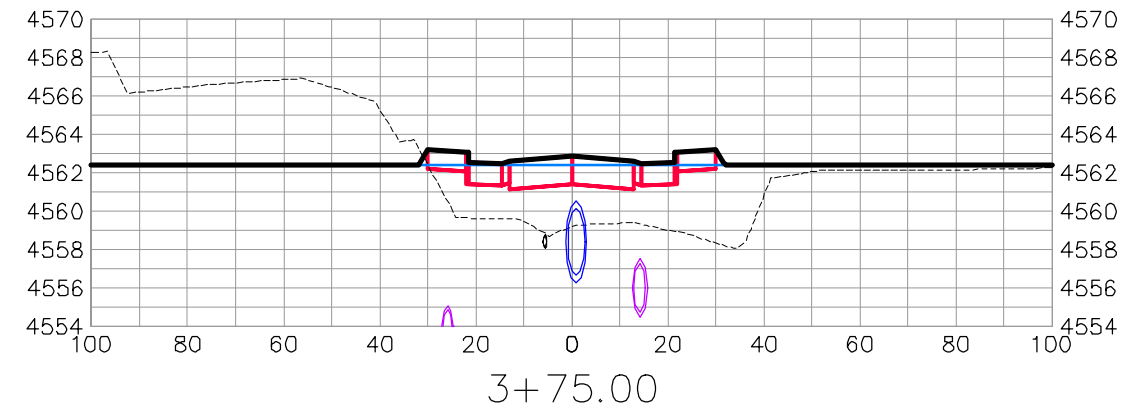
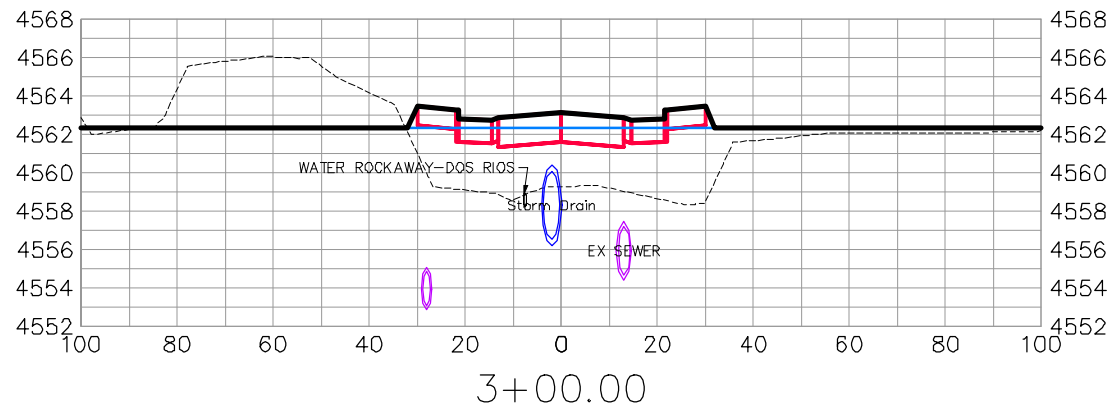
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (10)  
June 19, 2020



DOS RIOS DR

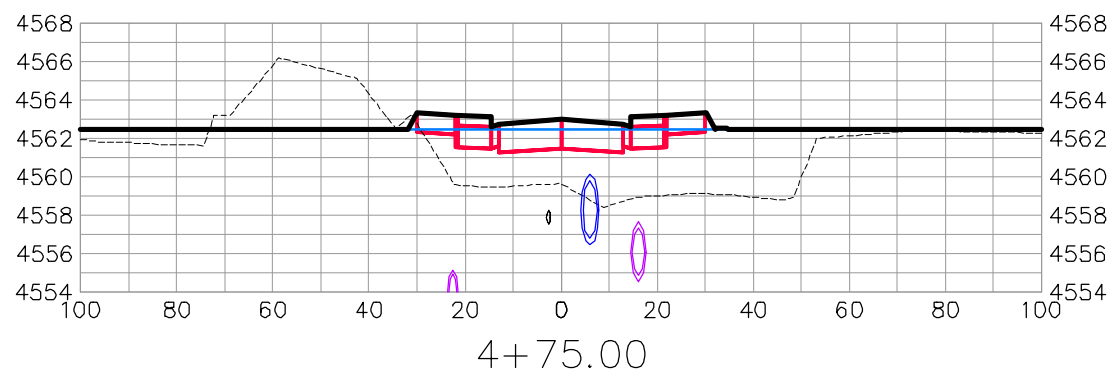
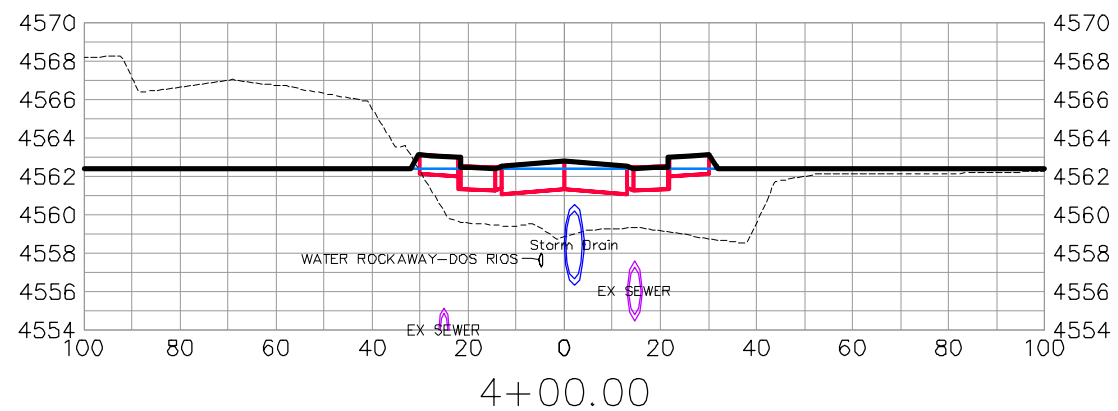
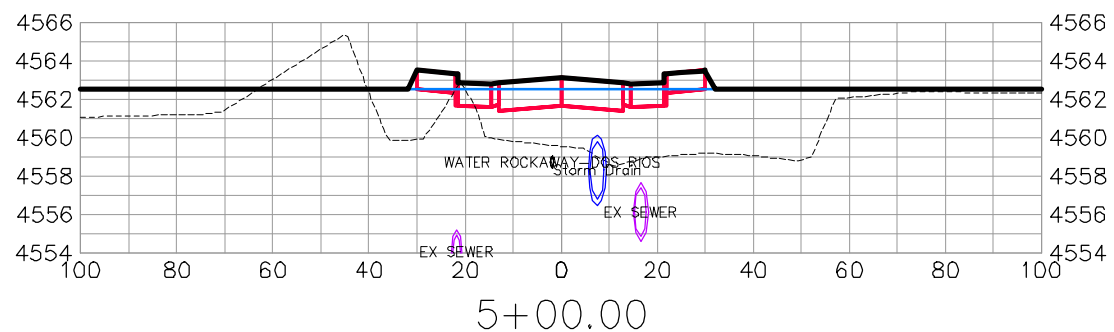
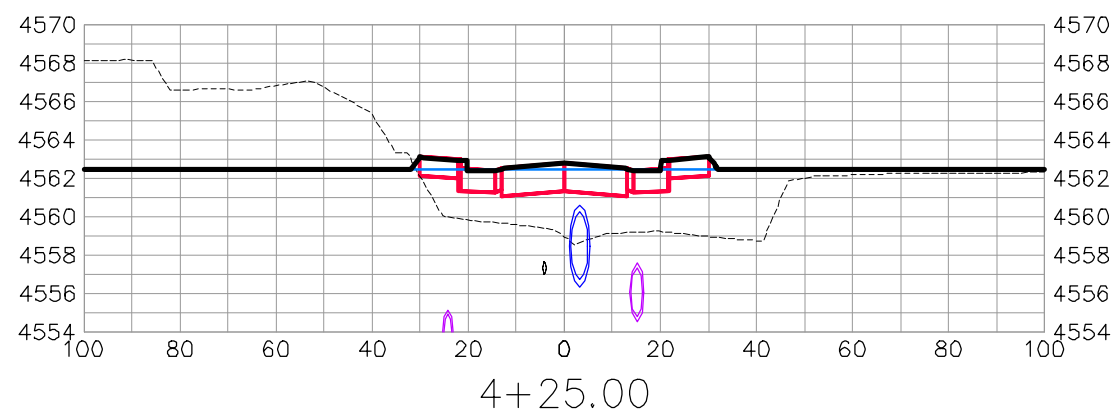
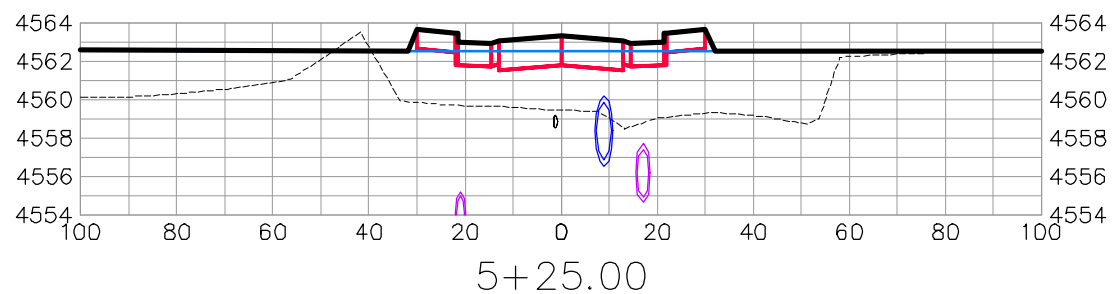
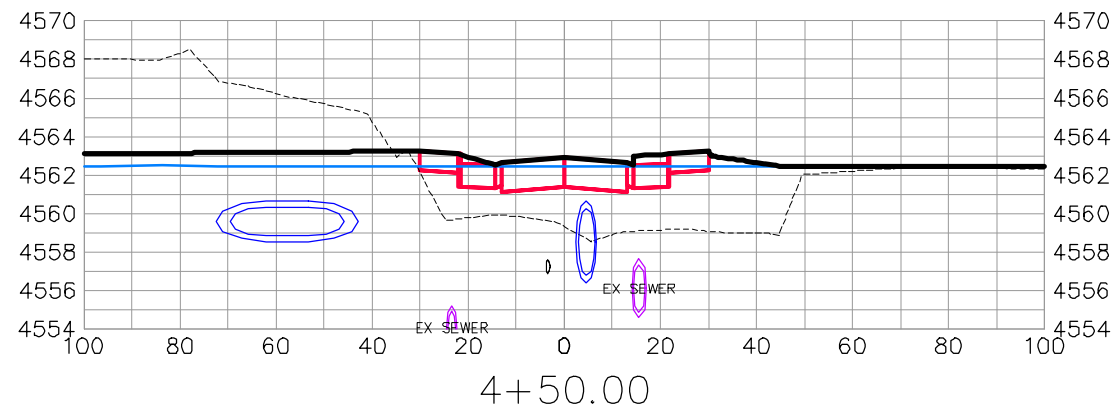
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (11)  
June 19, 2020



DOS RIOS DR

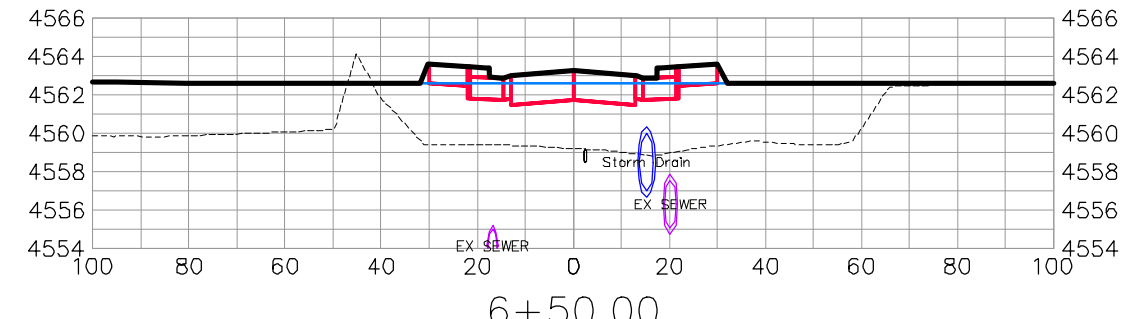
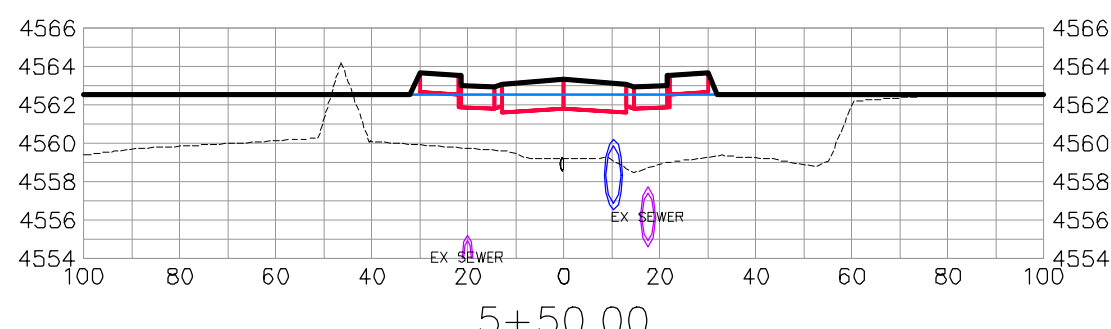
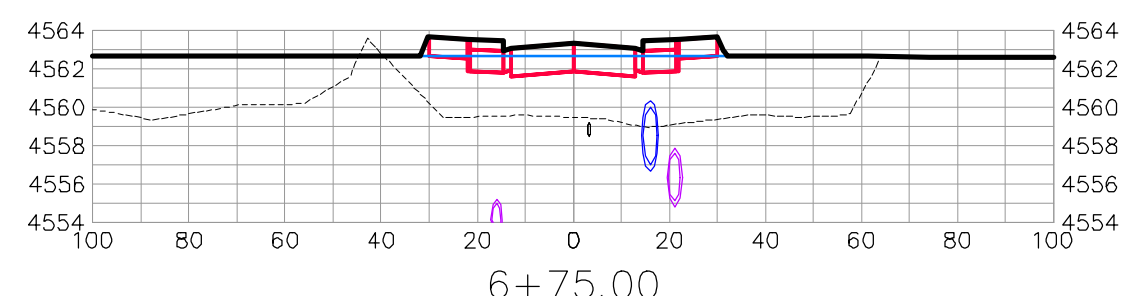
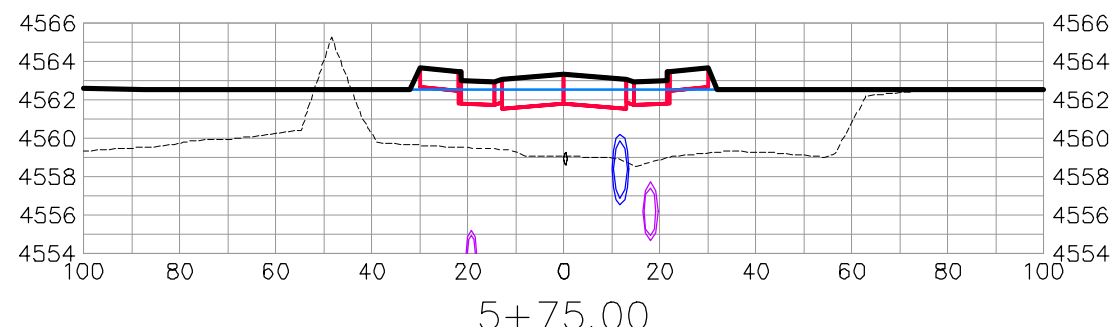
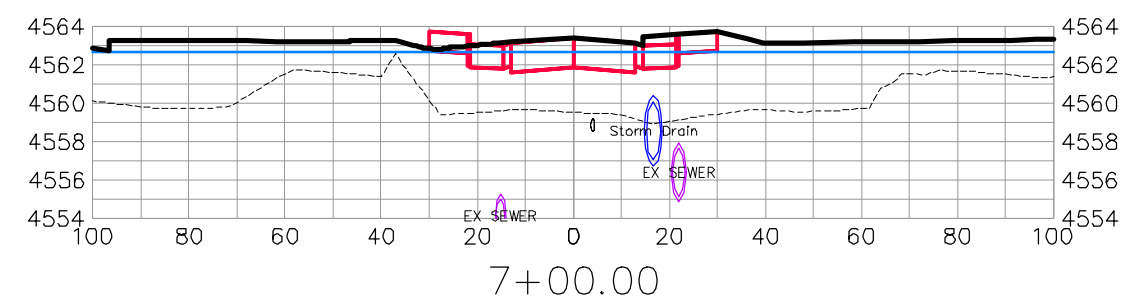
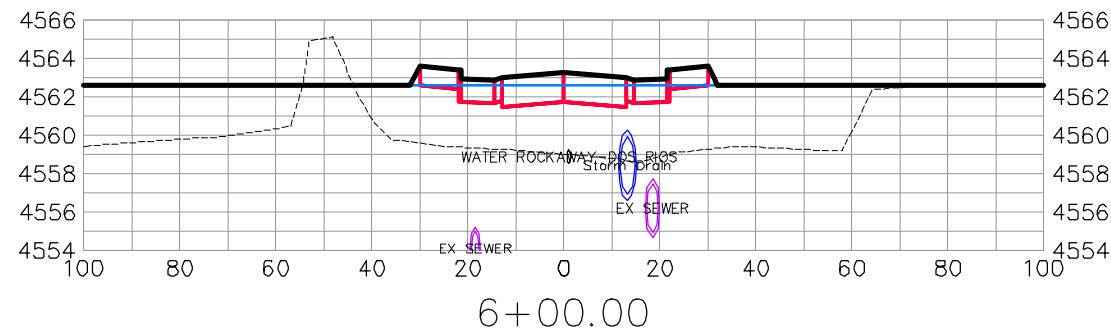
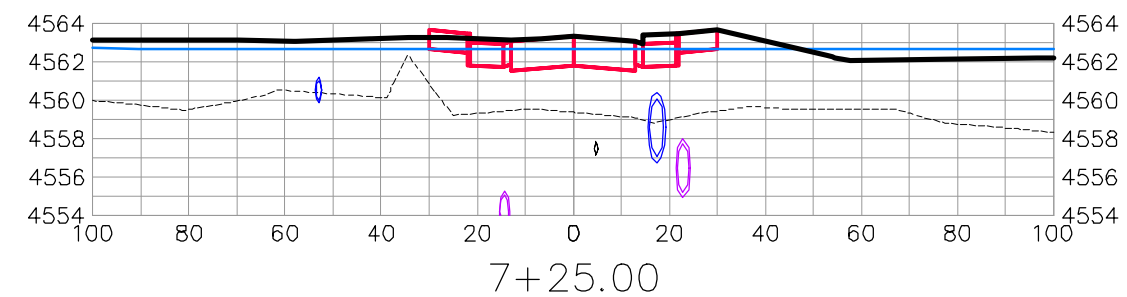
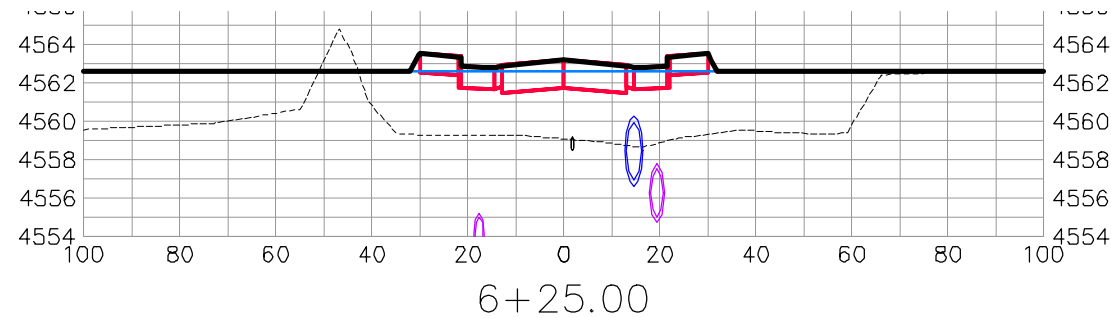
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (12)  
June 19, 2020



DOS RIOS DR

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
PLAN & PROFILE	1" = 20'
VERTICAL	1" = 2.5'

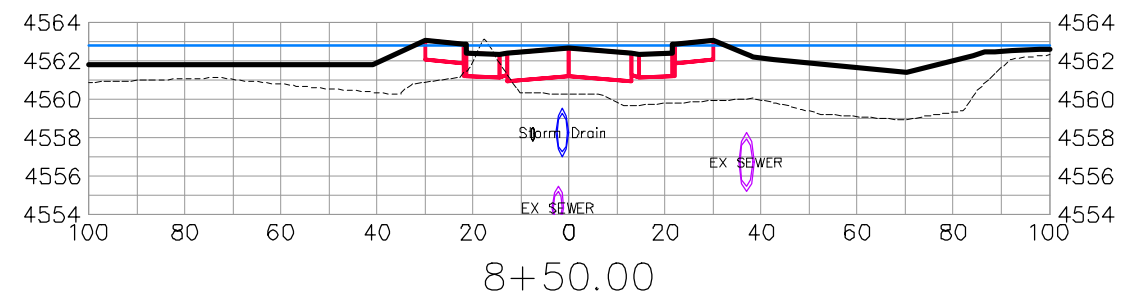
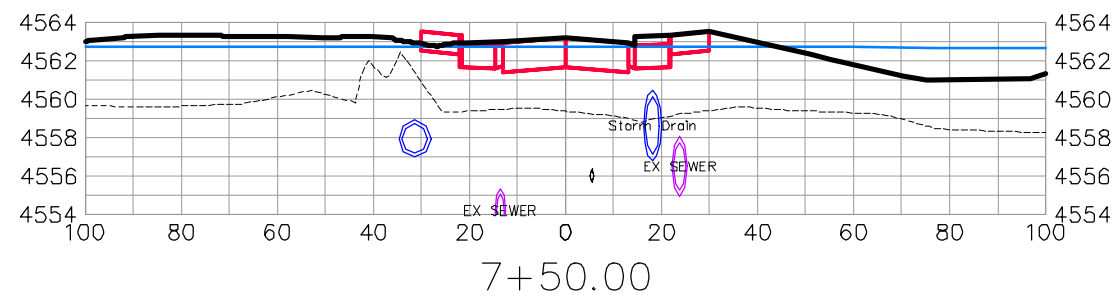
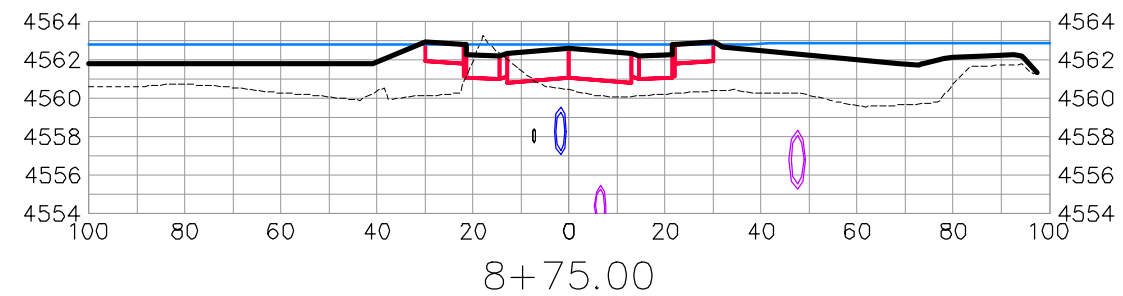
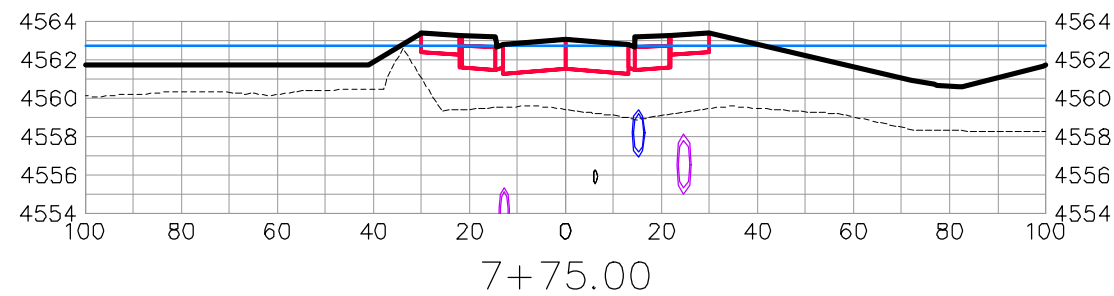
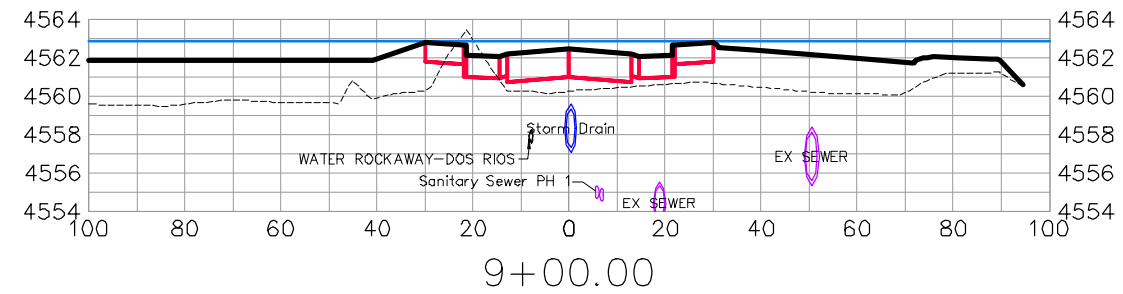
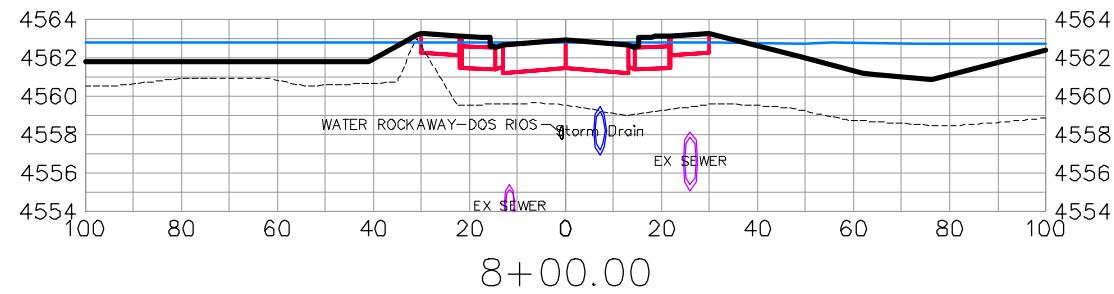
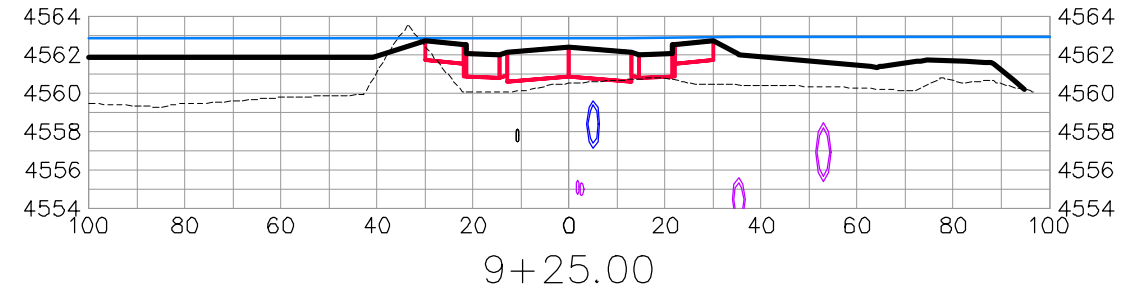
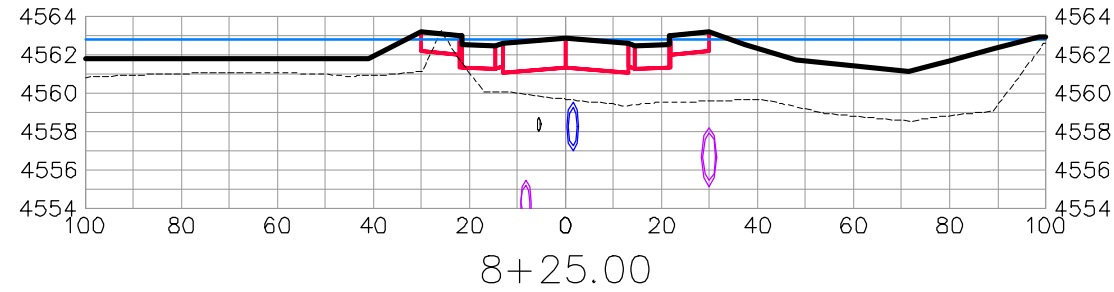


PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (13)  
June 19, 2020

N:\Landproj\2019 Riverfront at Dos Rios\dwg\00 design\Road Cross Sections.dwg, 6/19/2020 6:59:59 AM





DOS RIOS DR

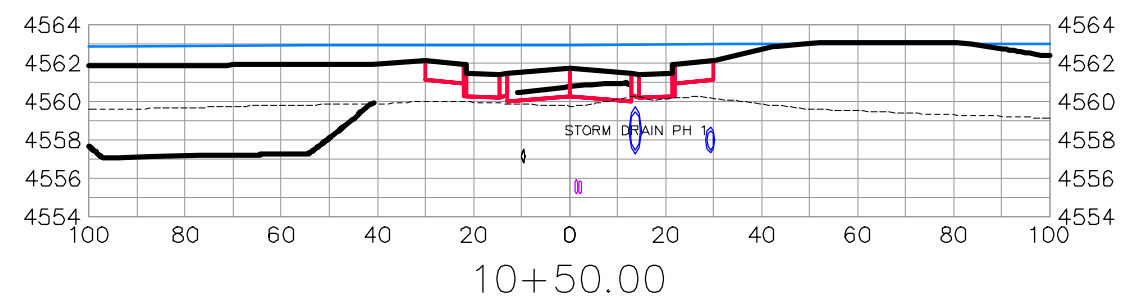
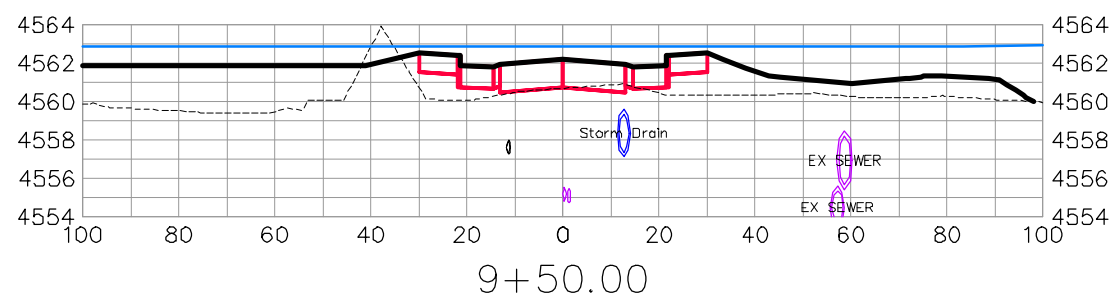
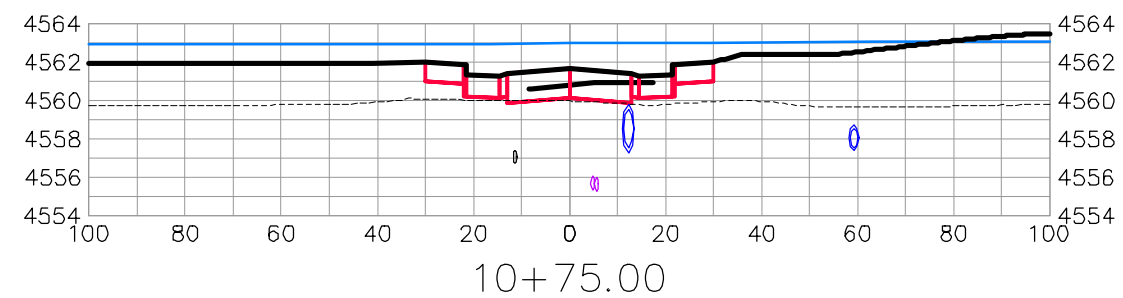
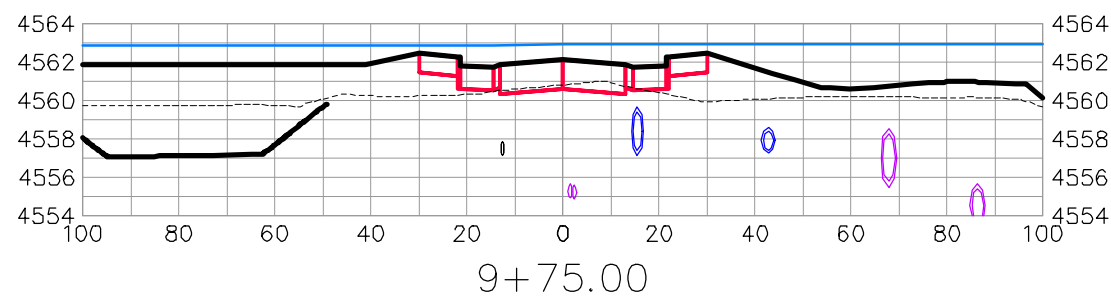
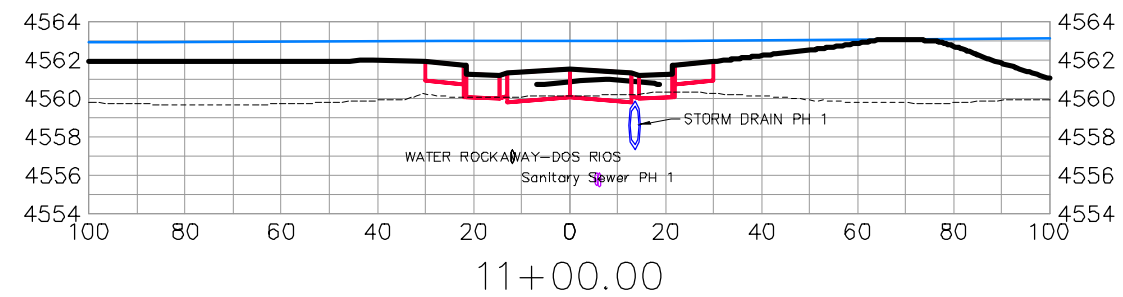
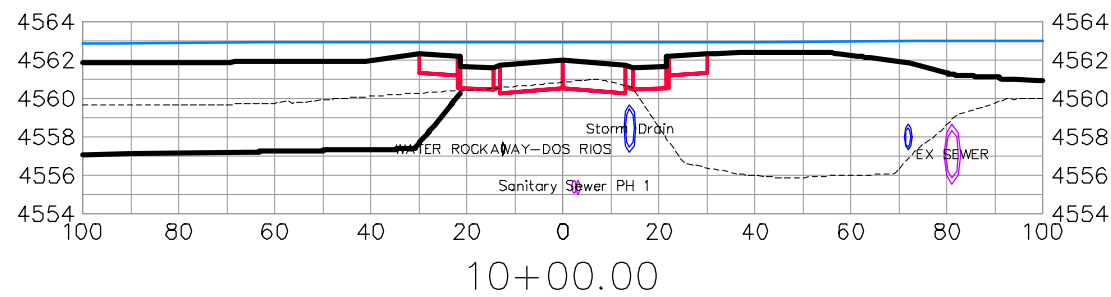
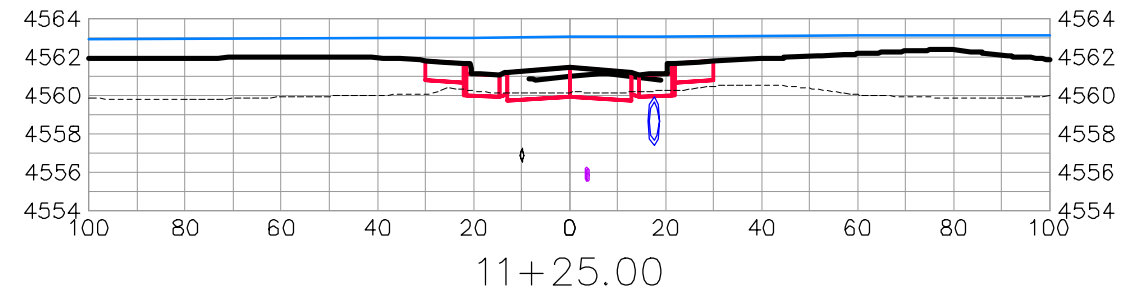
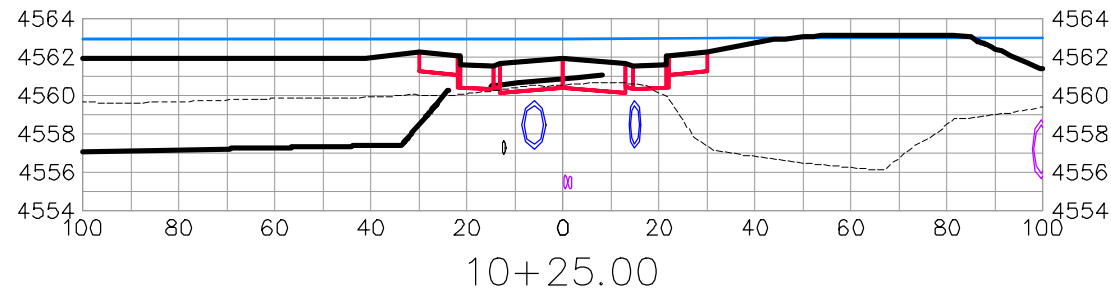
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	10
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (14)  
June 19, 2020



DOS RIOS DR

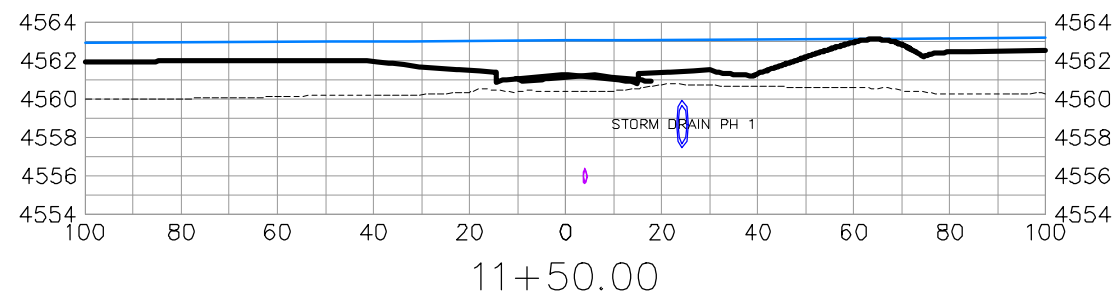
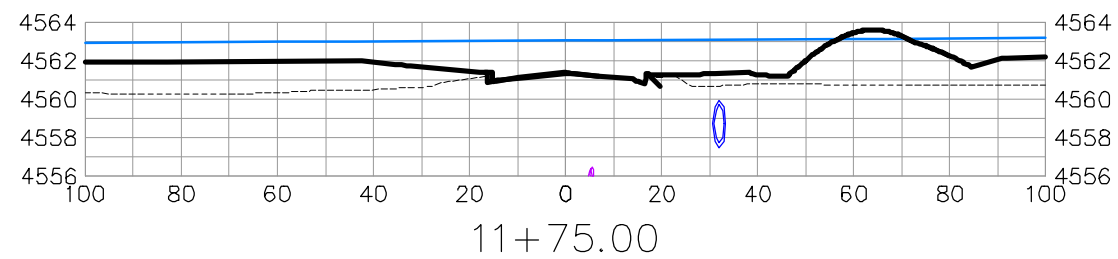
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (15)  
June 19, 2020



DOS RIOS DR

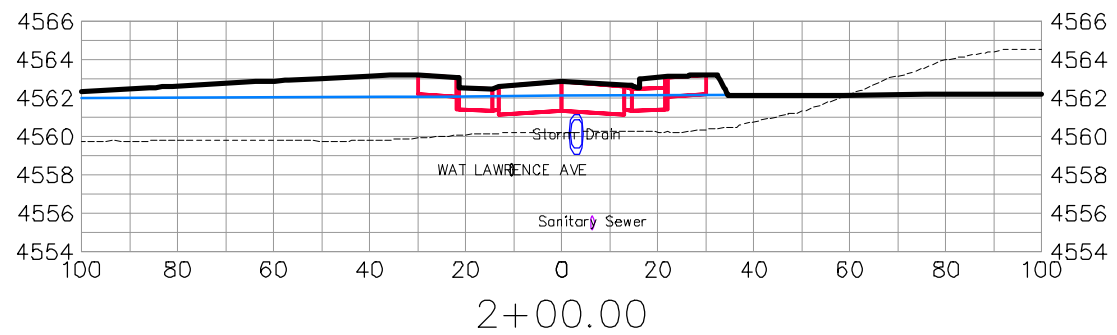
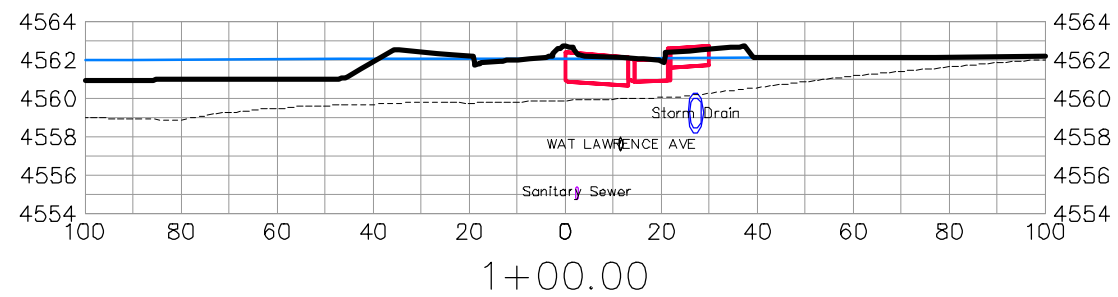
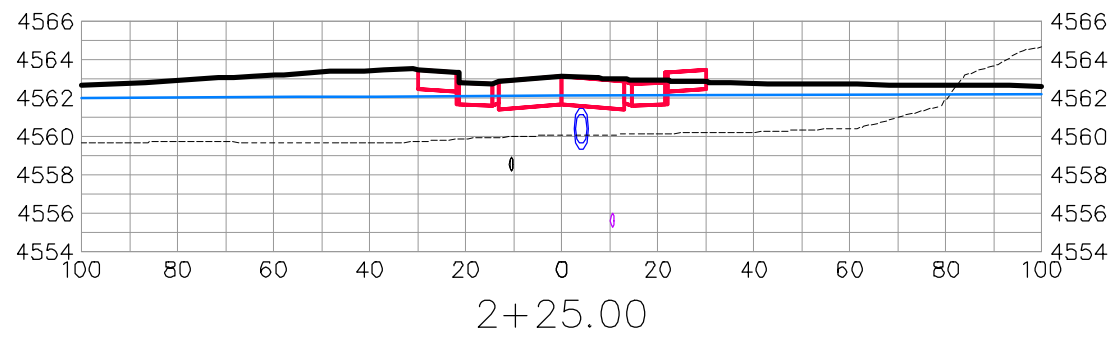
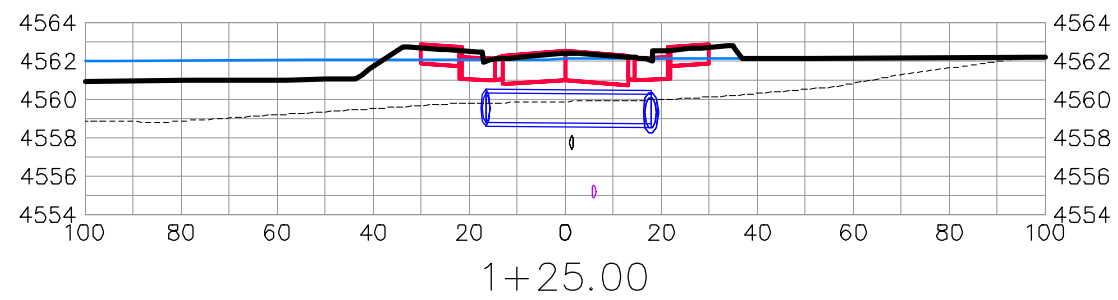
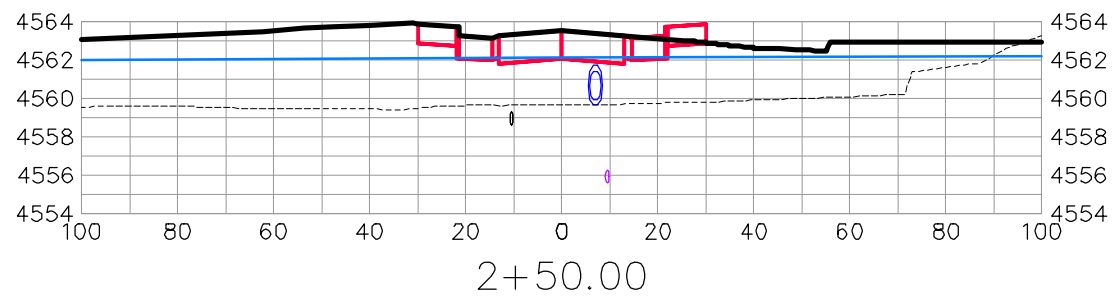
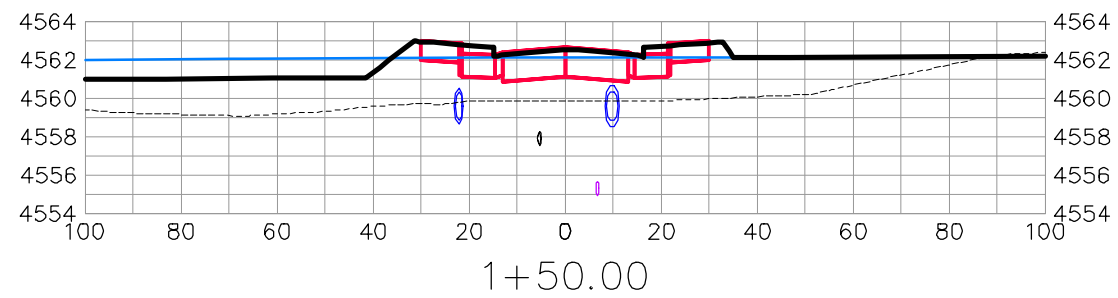
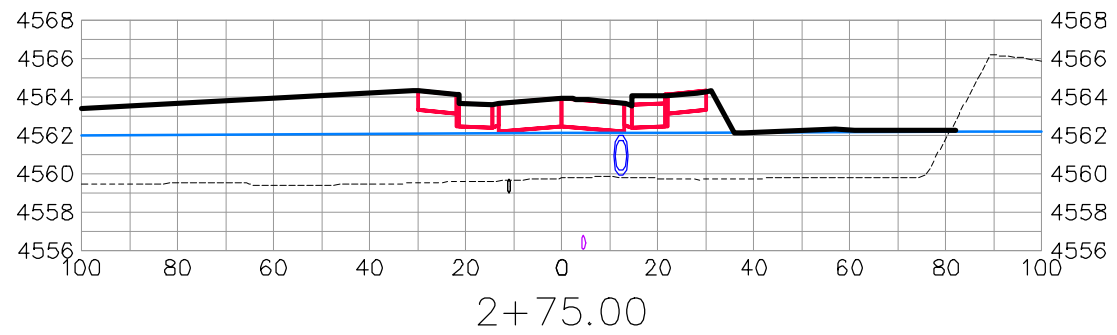
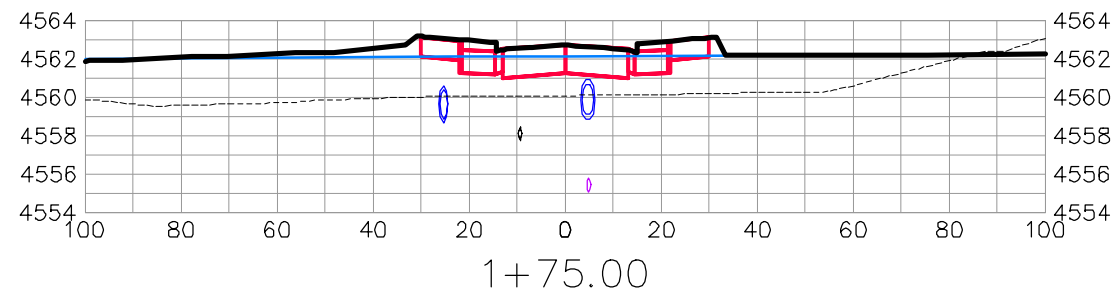
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL 1" = 20'	
0	10
VERTICAL 1" = 2.5'	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (16)  
June 19, 2020



LAWRENCE AVE

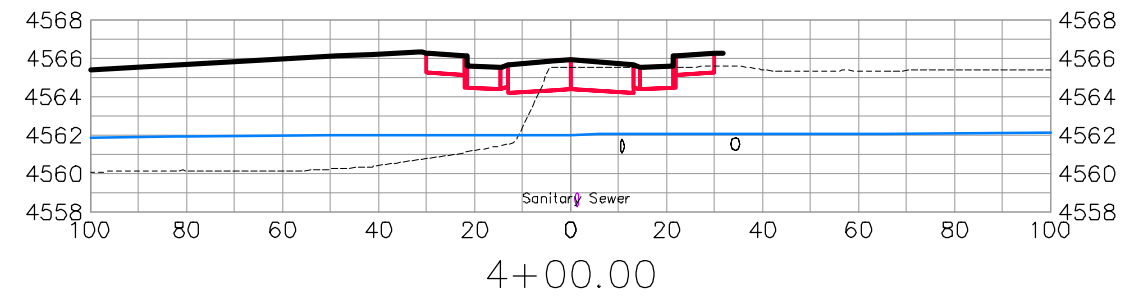
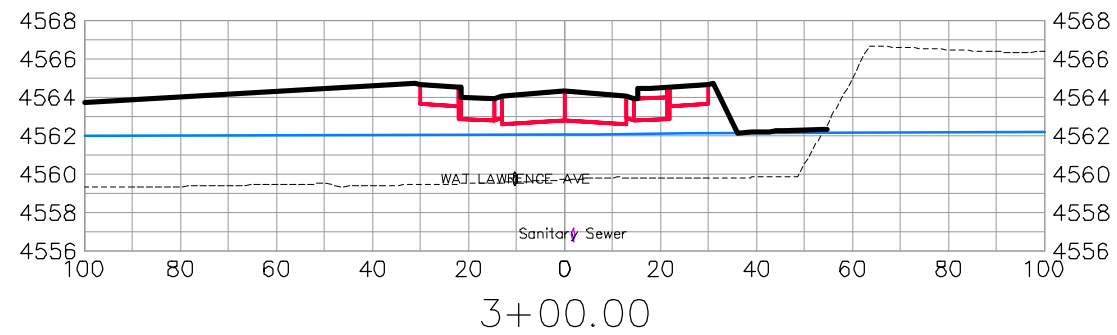
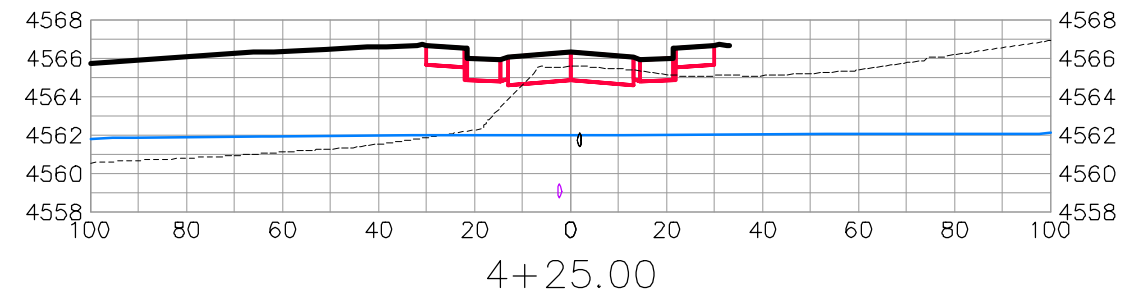
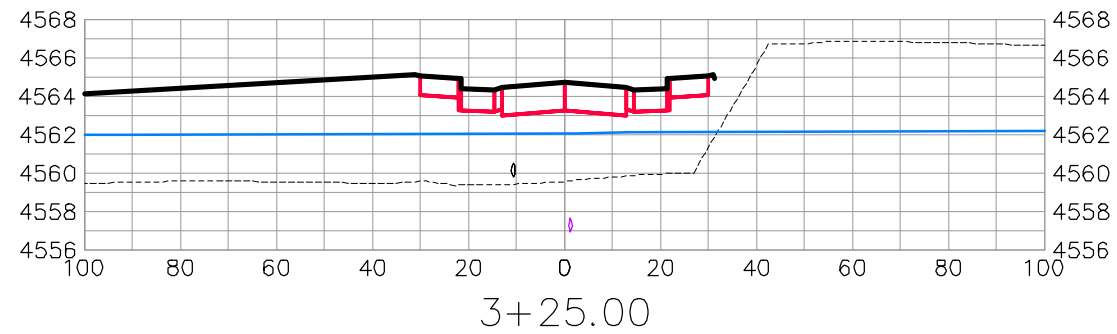
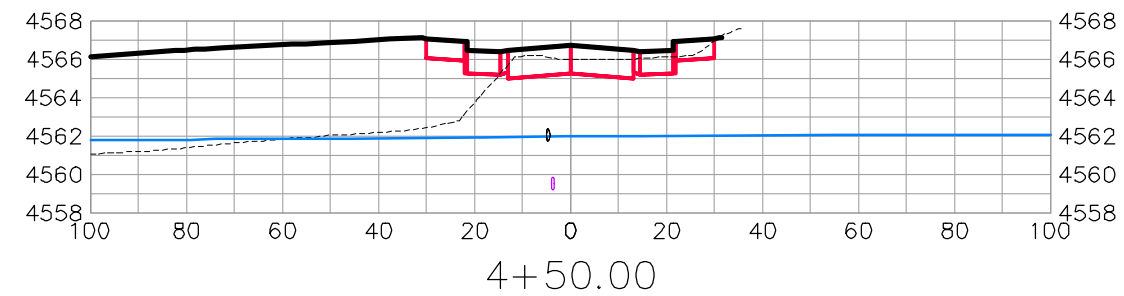
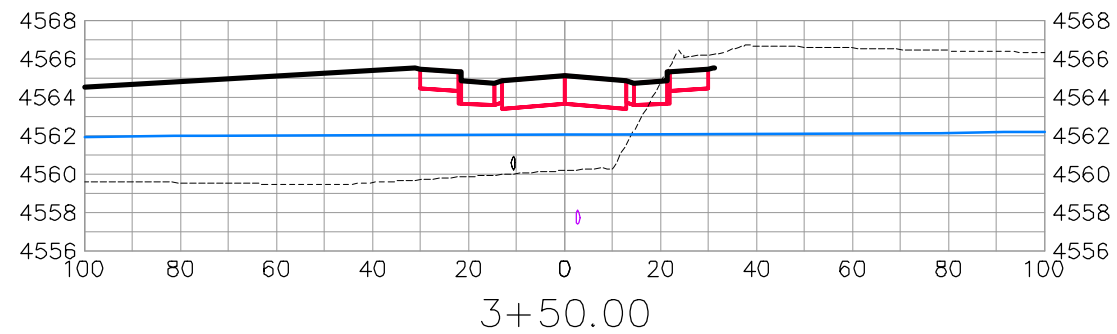
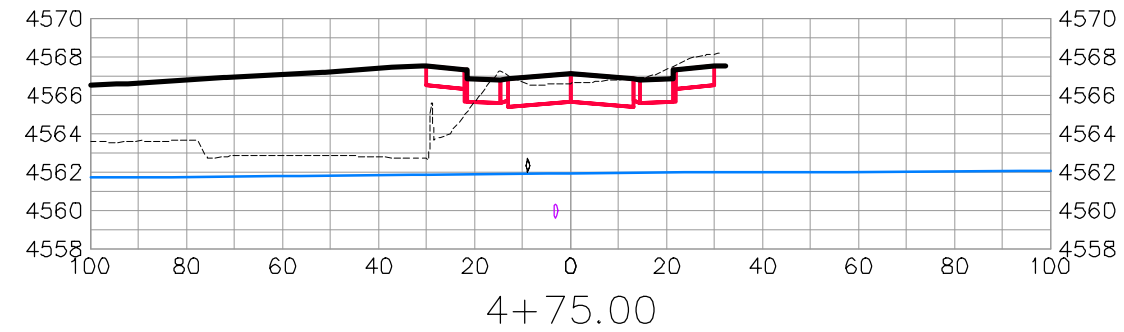
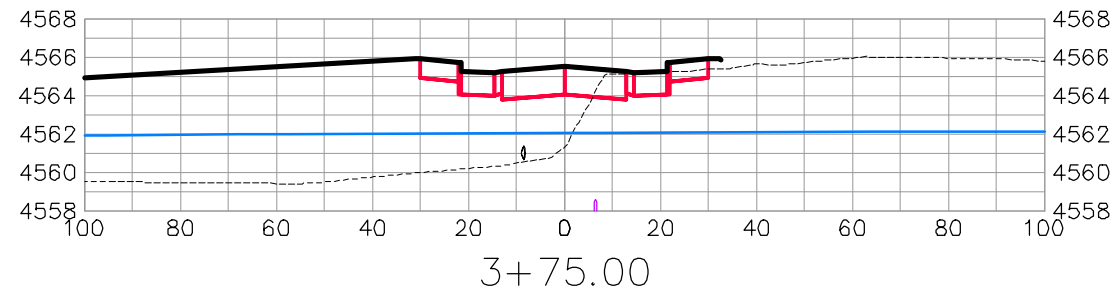
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (17)  
June 19, 2020



LAWRENCE AVE

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

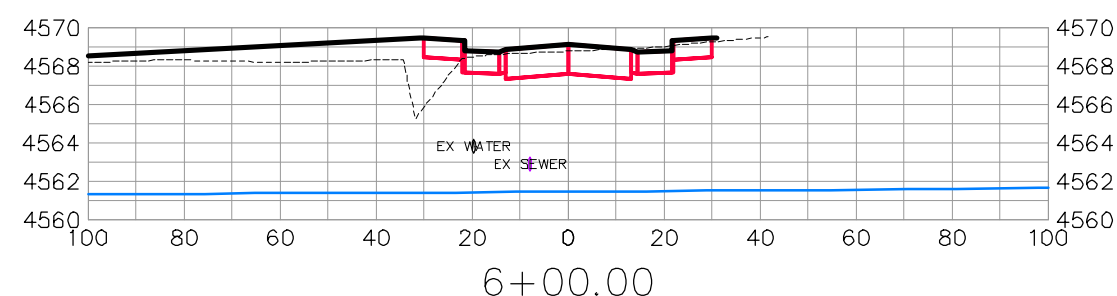
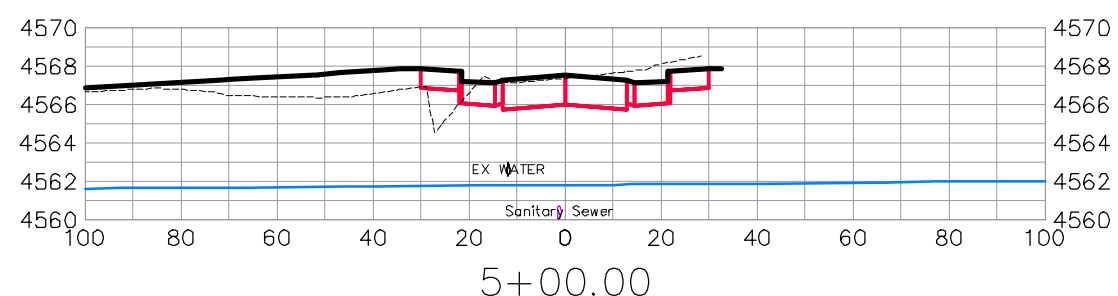
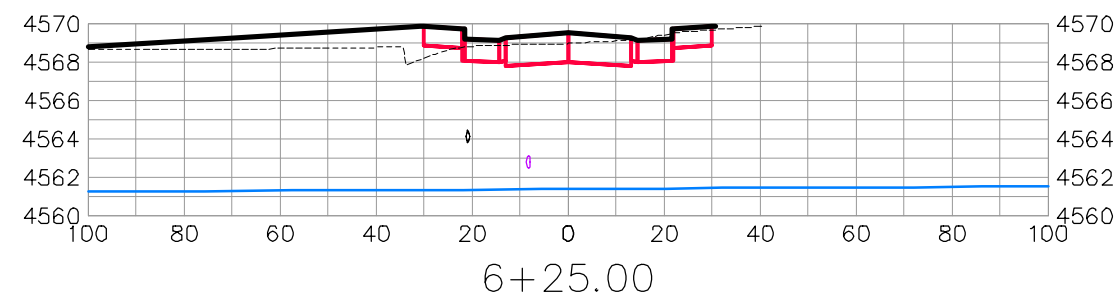
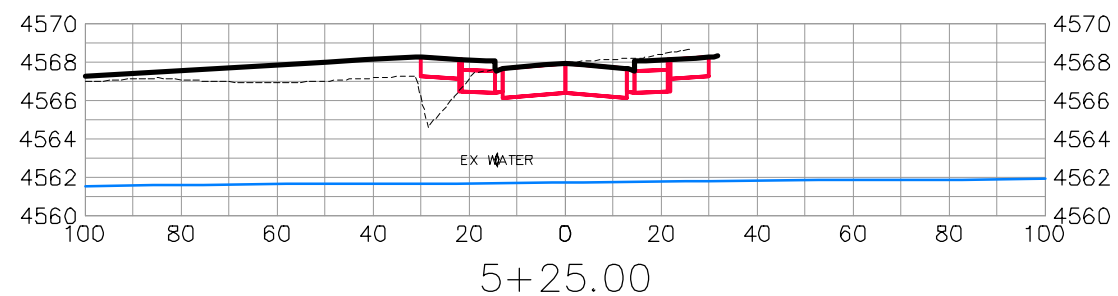
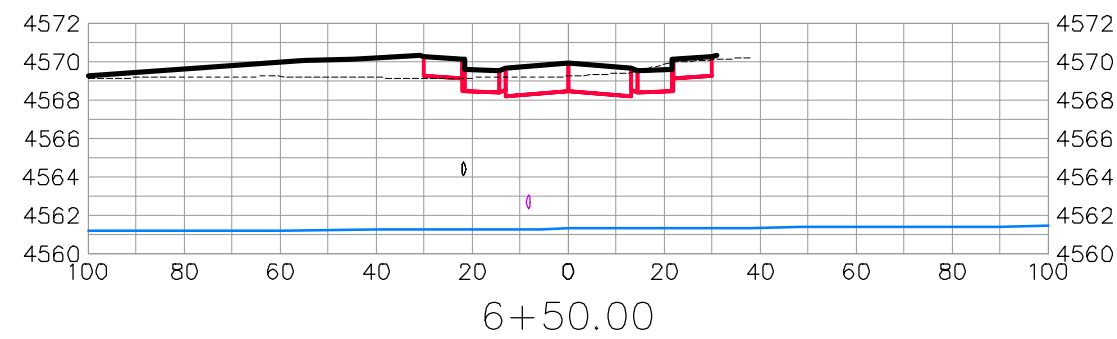
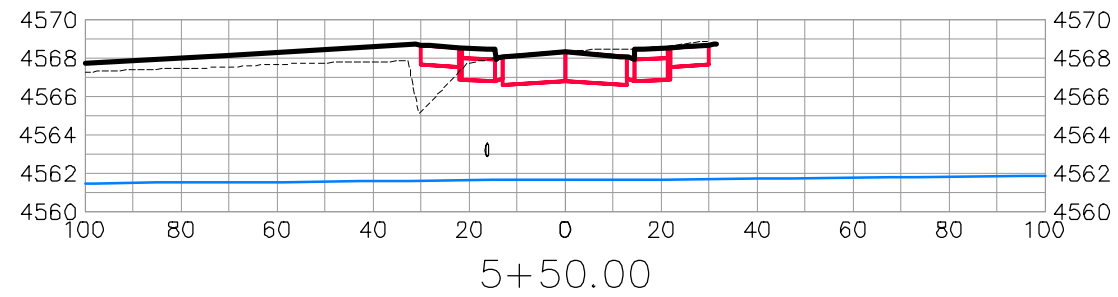
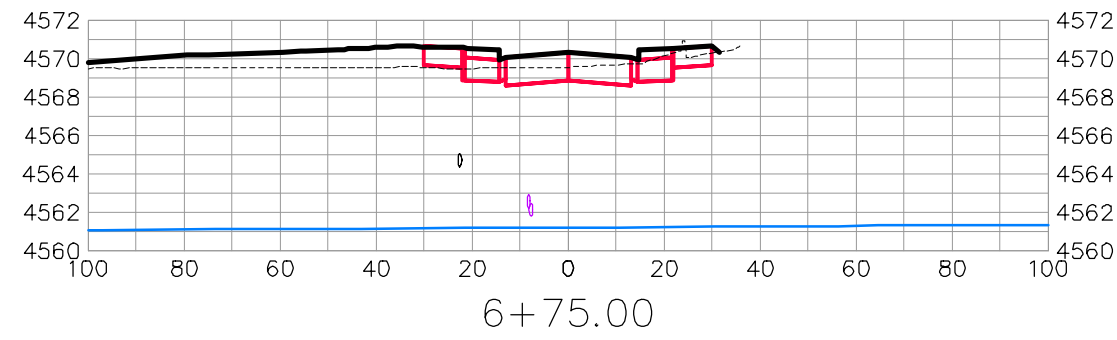
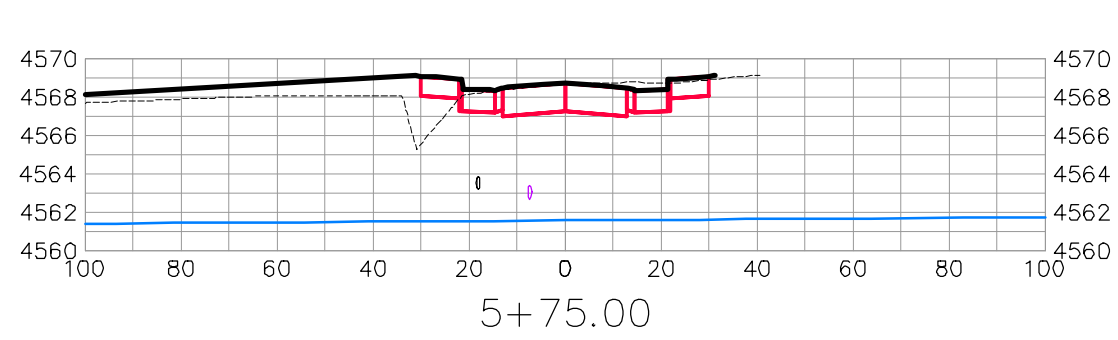
SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (18)  
June 19, 2020





LAWRENCE AVE

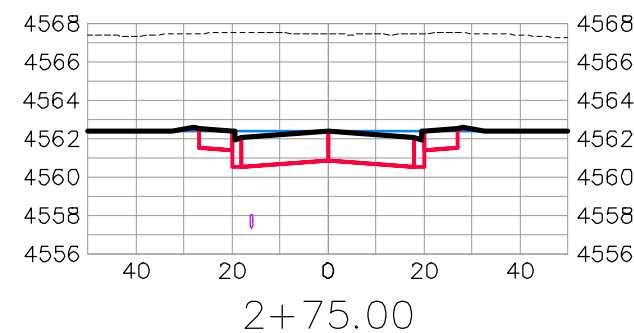
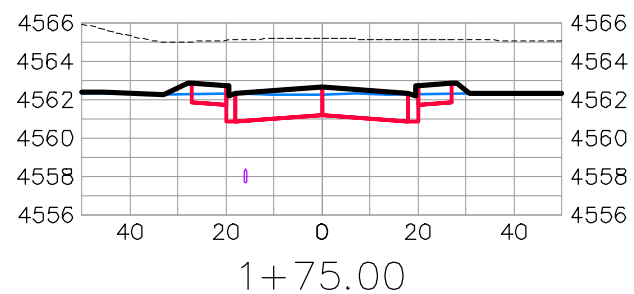
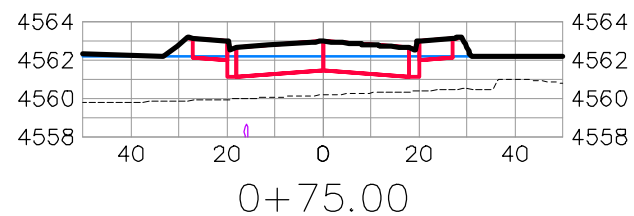
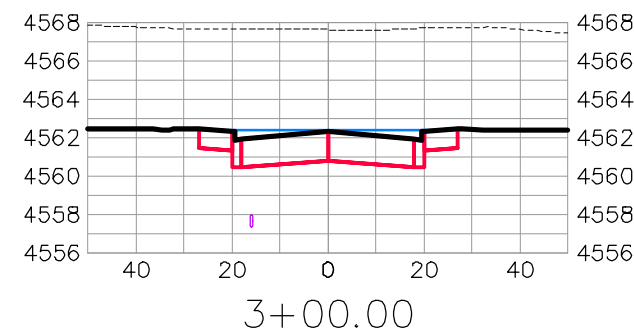
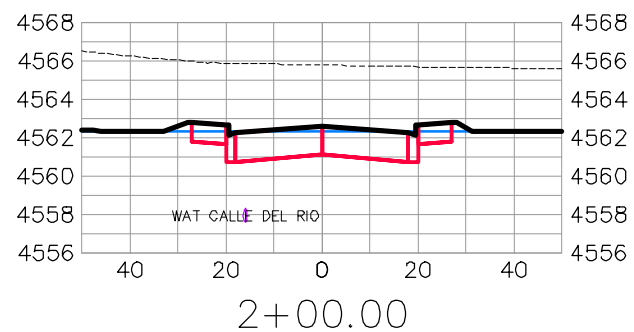
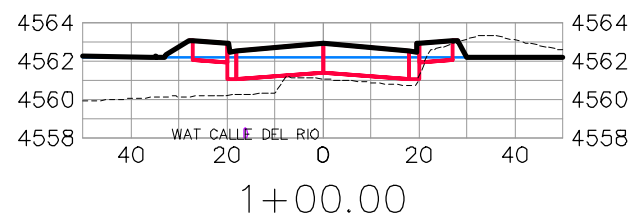
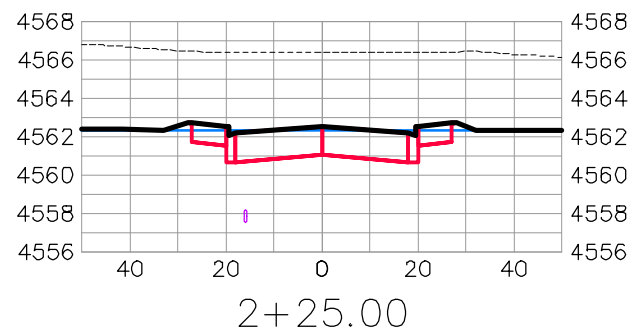
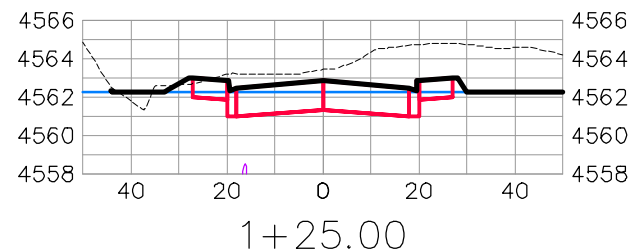
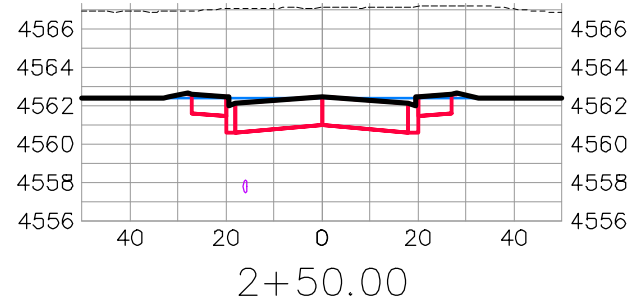
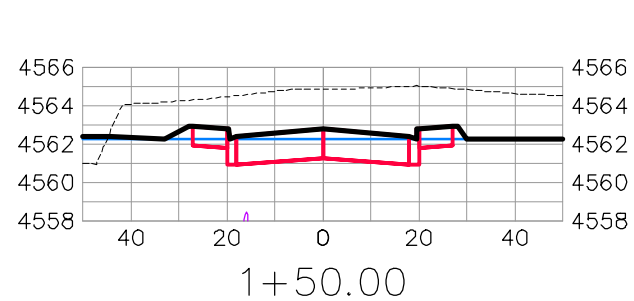
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (19)  
June 19, 2020



CALLE DEL RIO

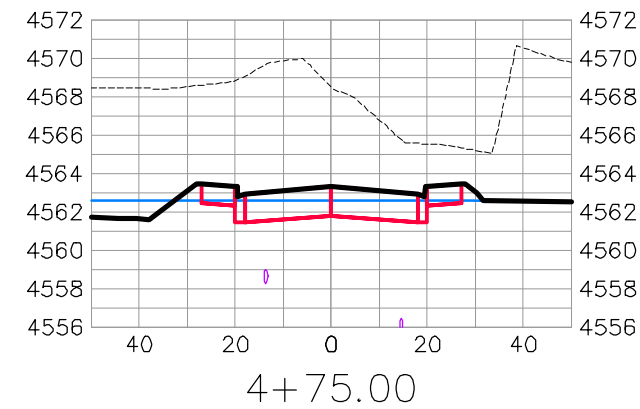
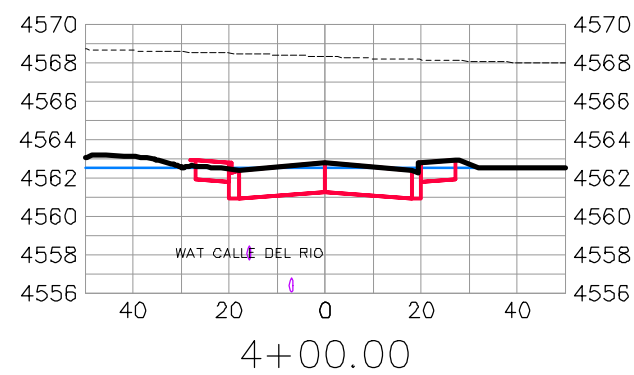
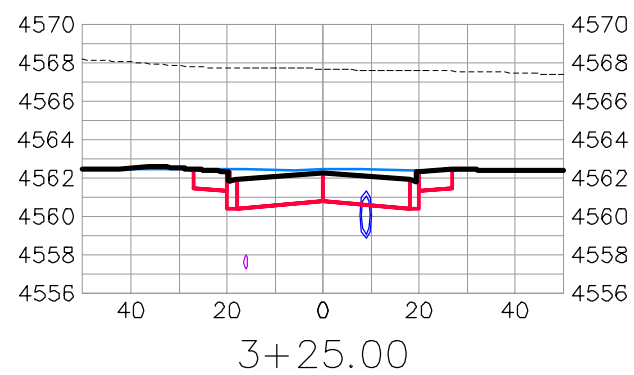
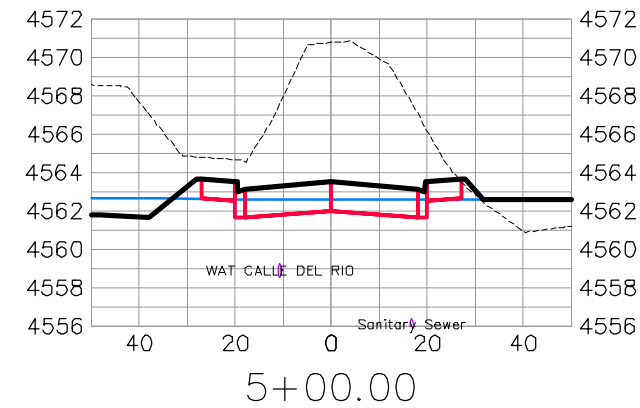
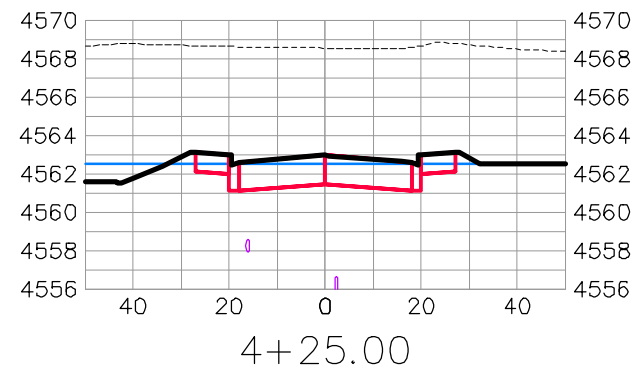
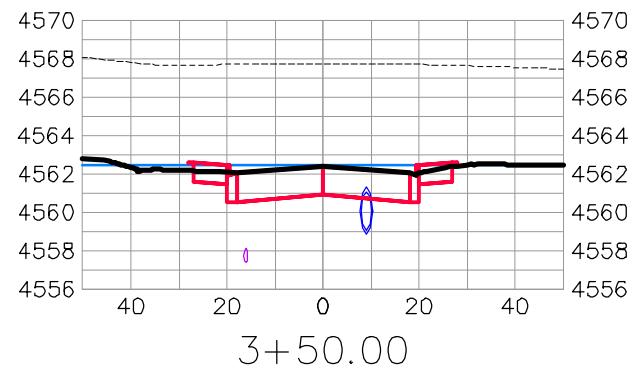
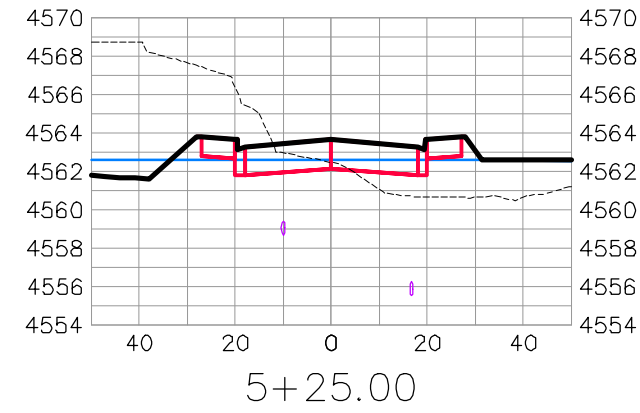
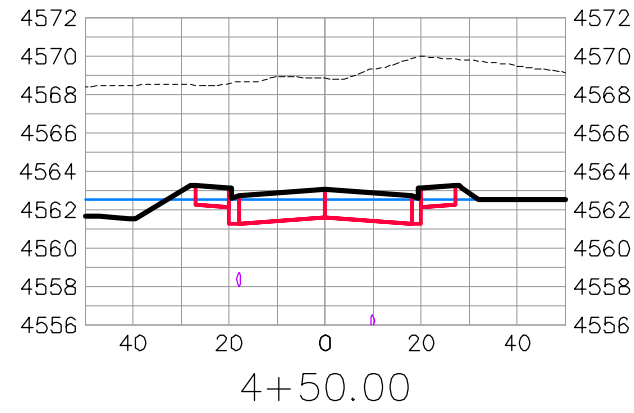
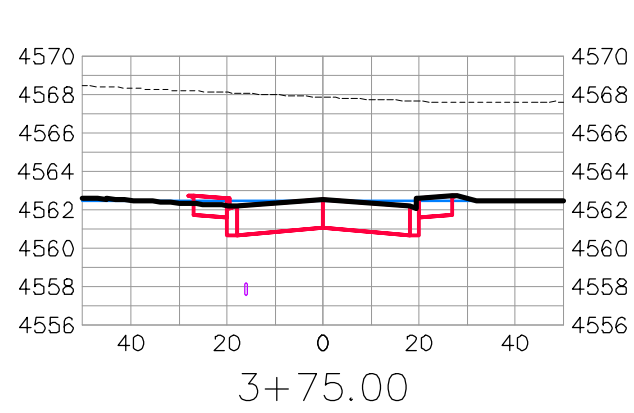
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	20
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (20)  
June 19, 2020



CALLE DEL RIO

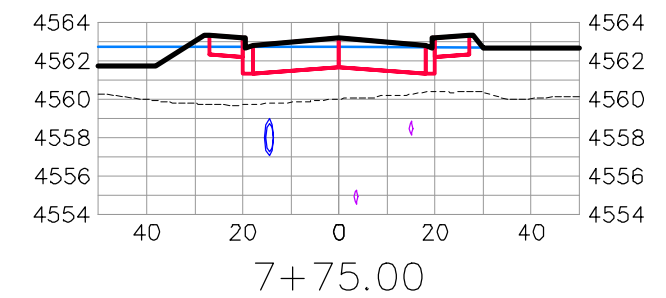
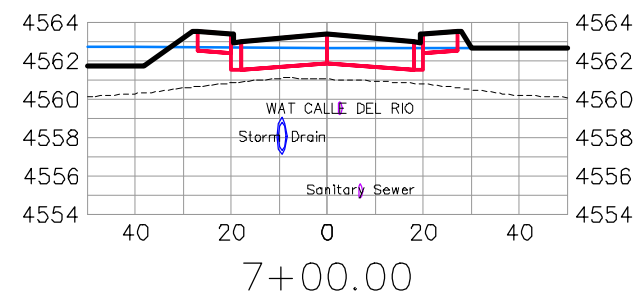
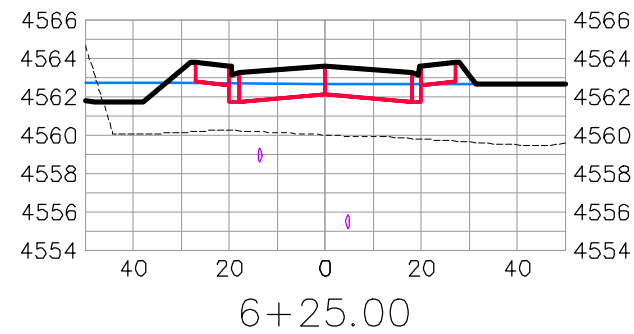
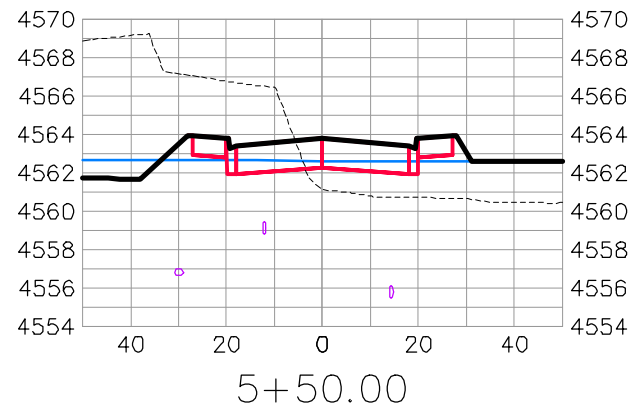
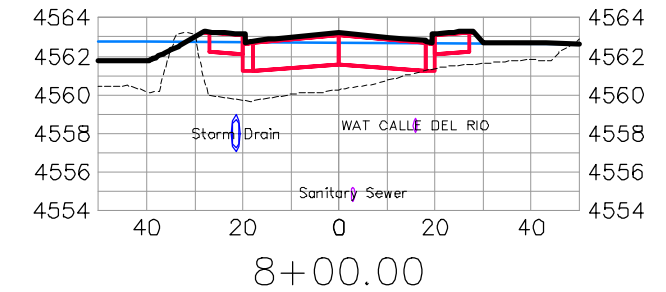
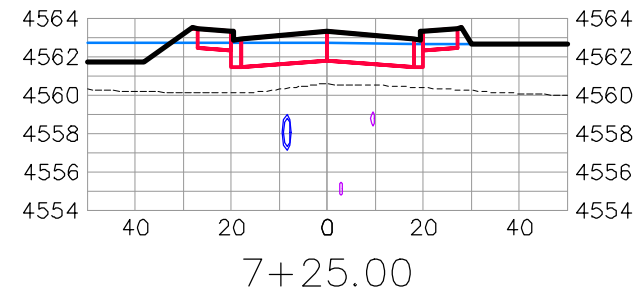
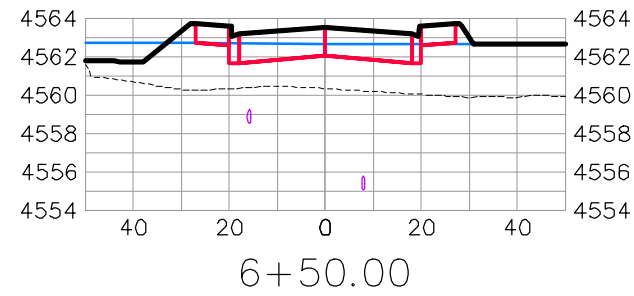
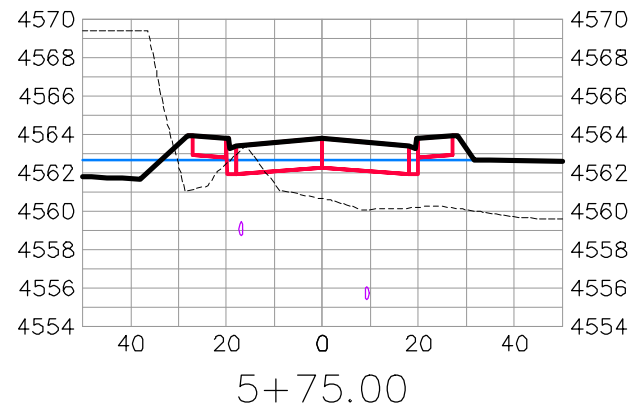
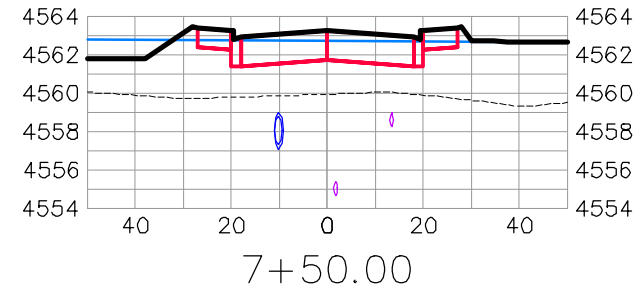
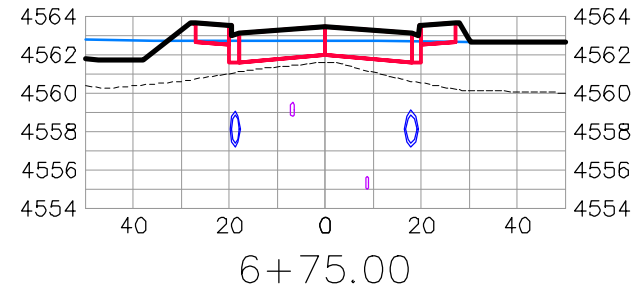
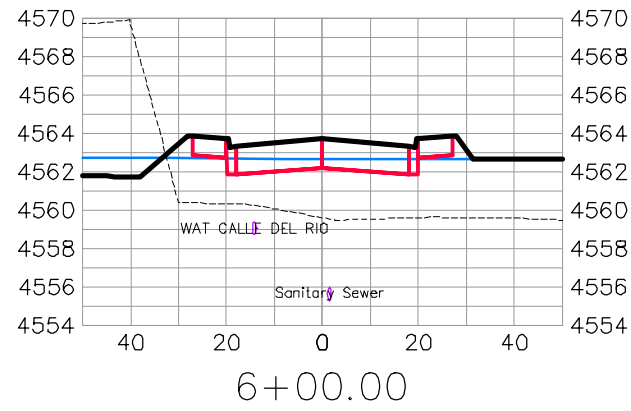
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (21)  
June 19, 2020



CALLE DEL RIO

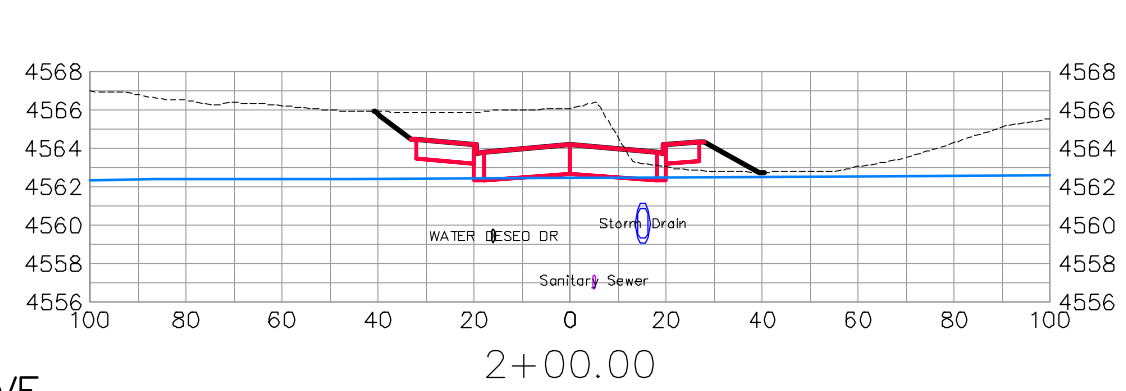
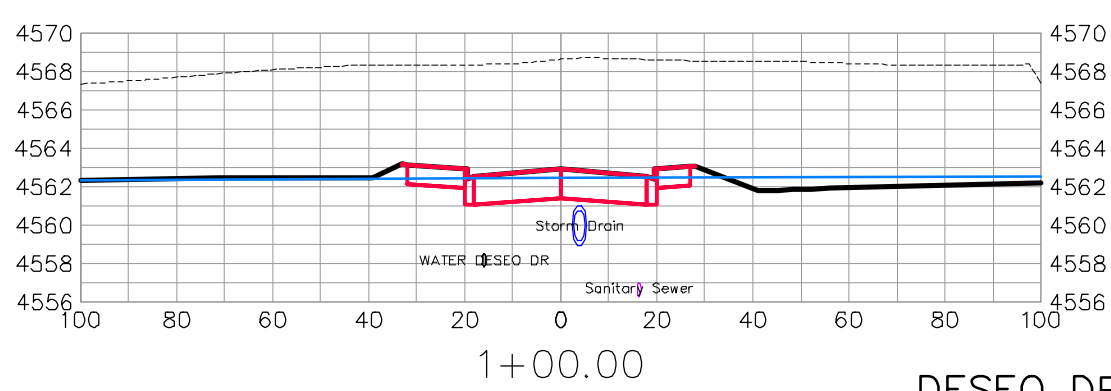
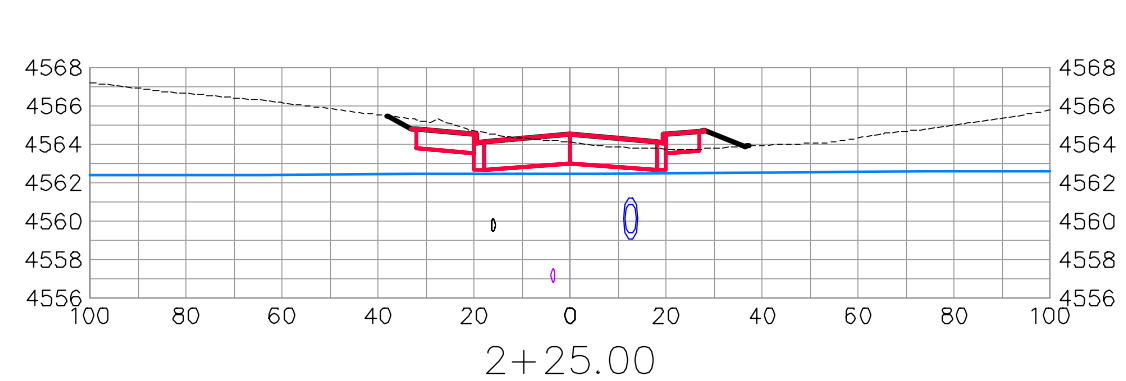
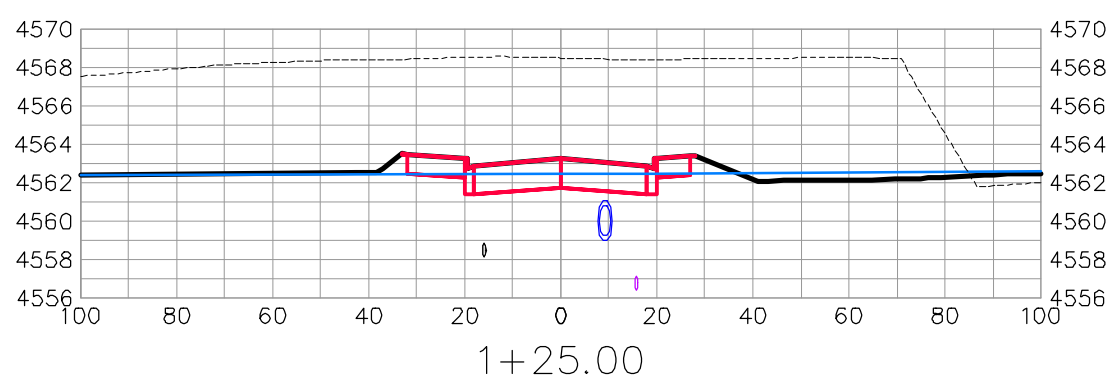
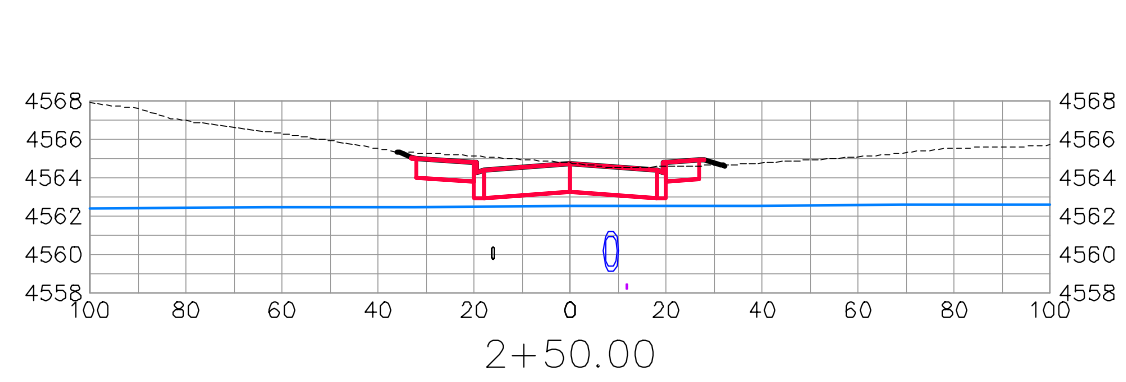
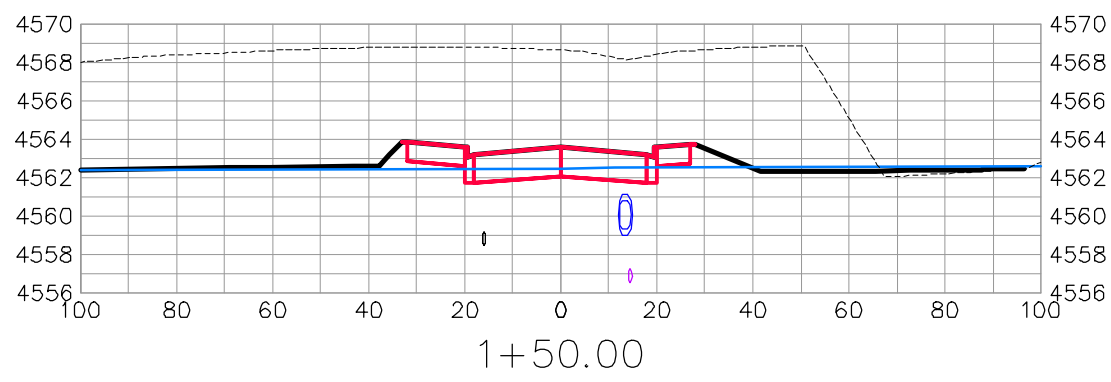
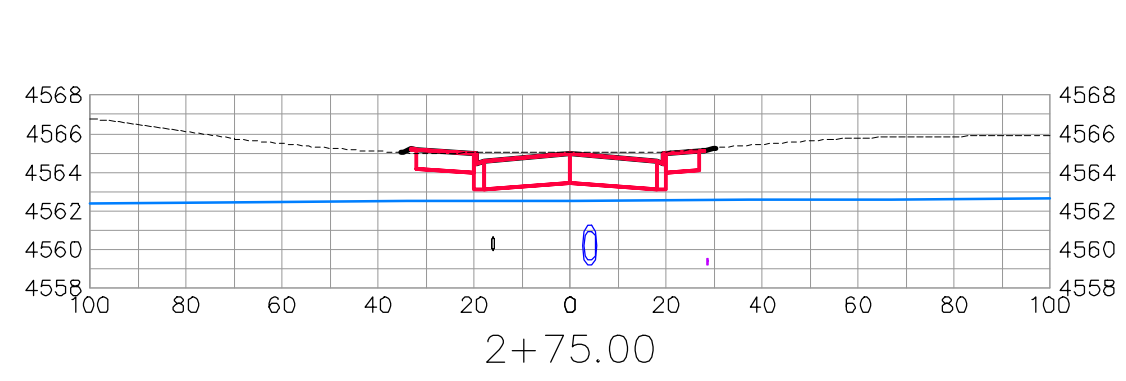
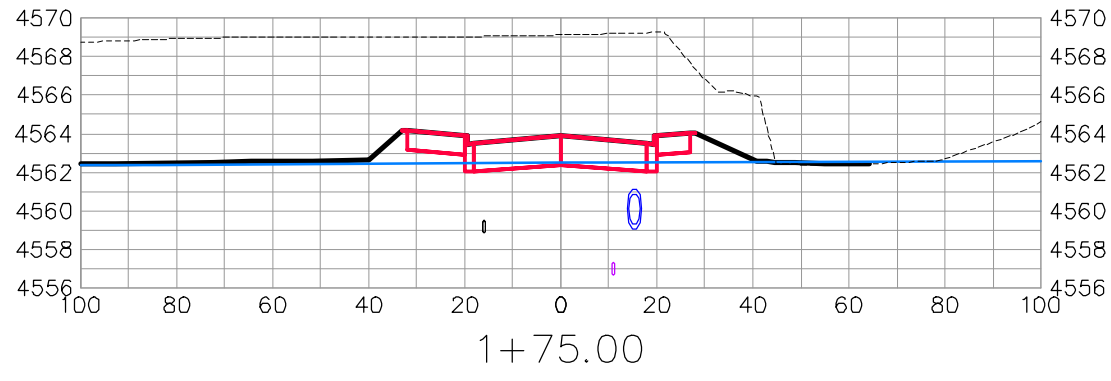
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	10
VERTICAL	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (22)  
June 19, 2020**



DESEO DRIVE

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

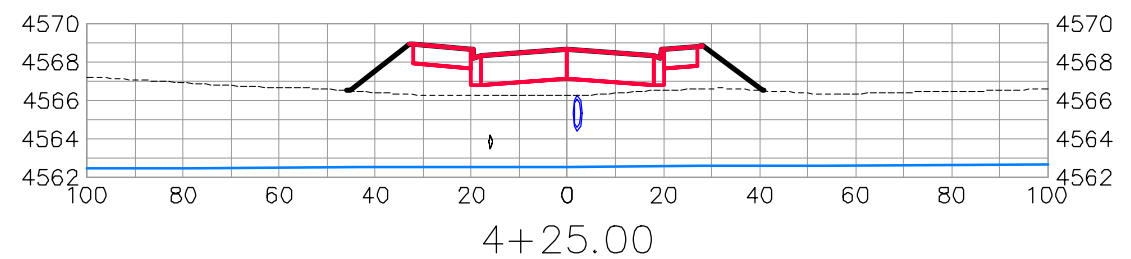
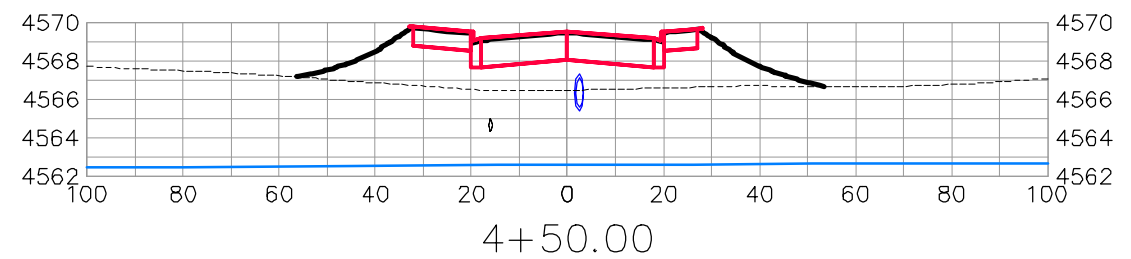
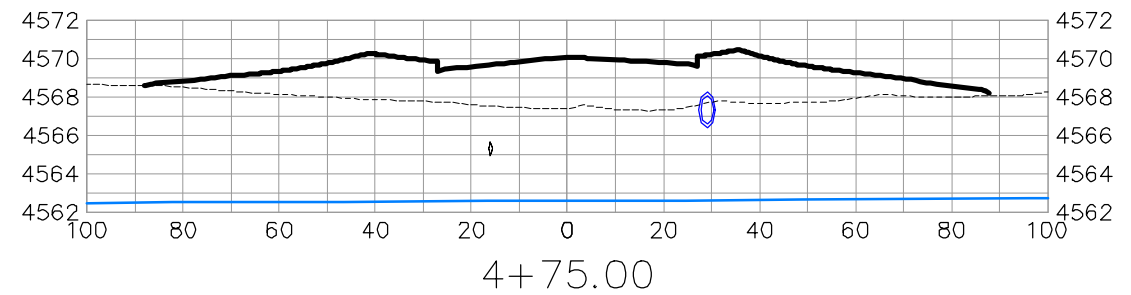
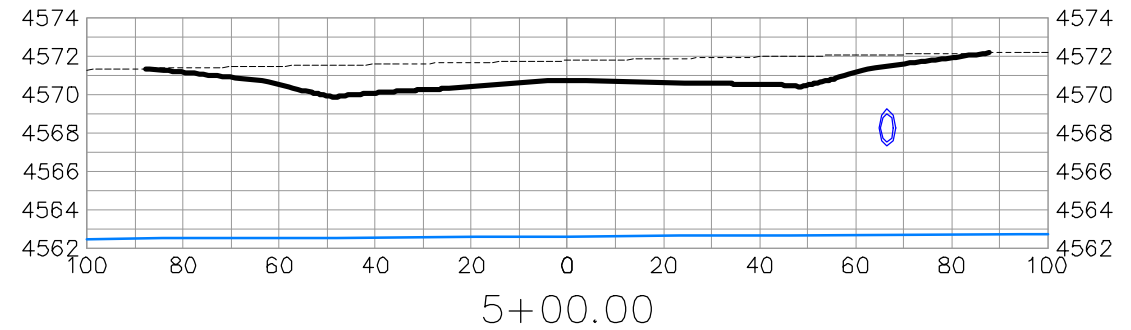
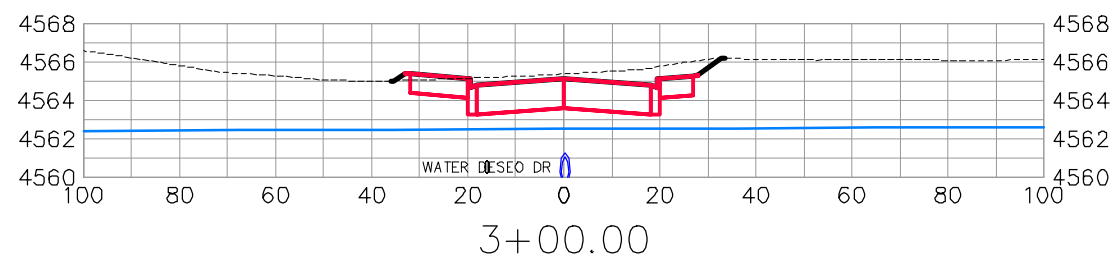
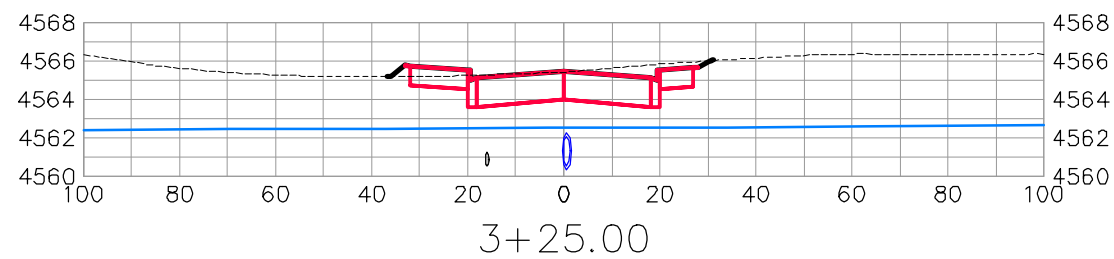
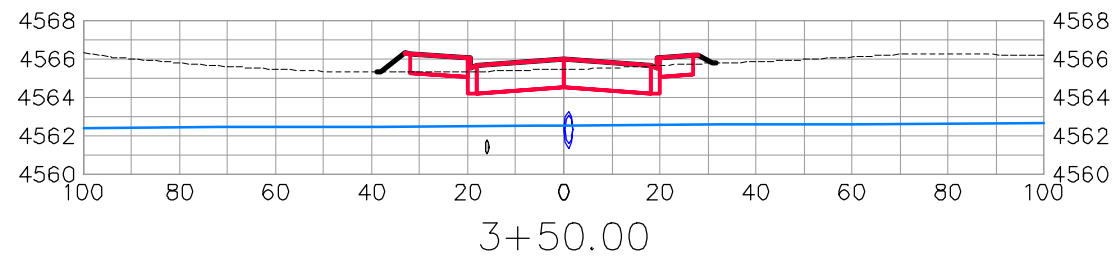
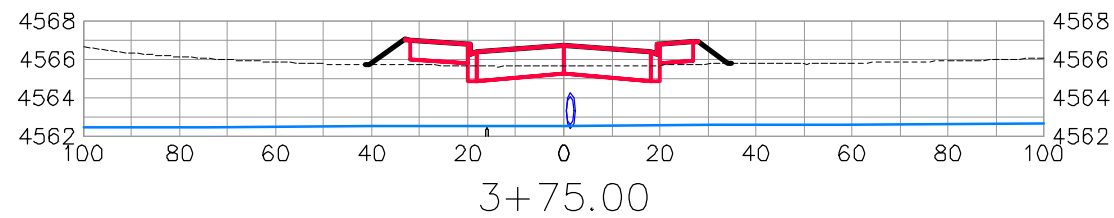
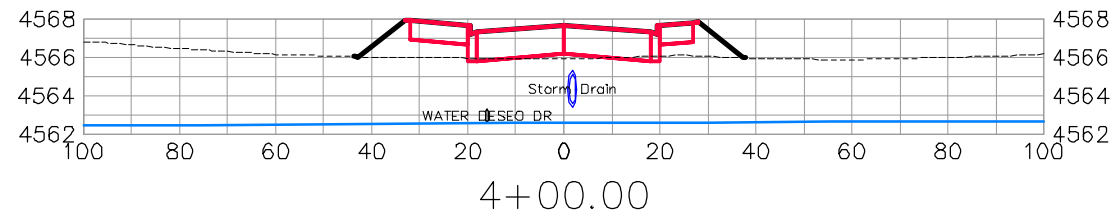
SCALES:	
0	40
HORIZONTAL	
0	10
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (23)  
June 19, 2020





DESEO DRIVE

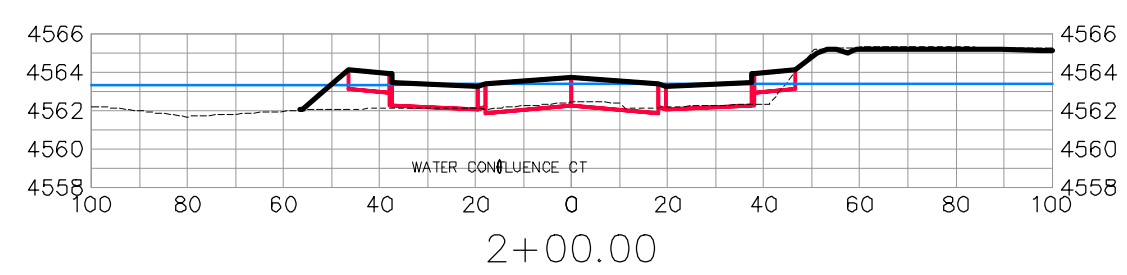
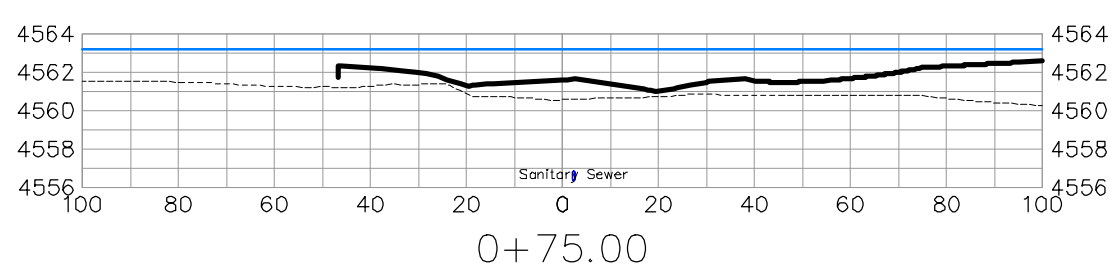
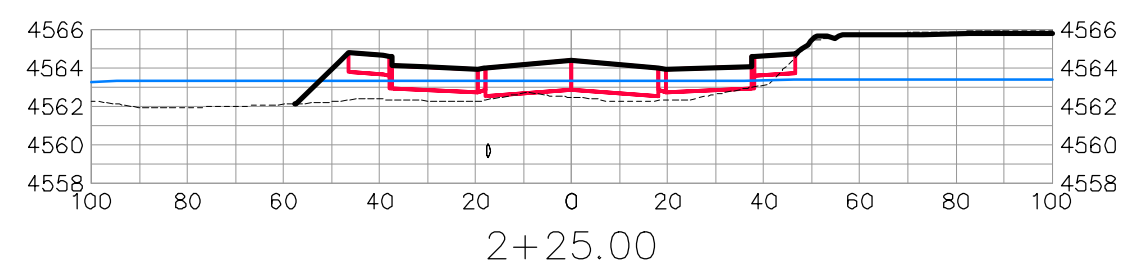
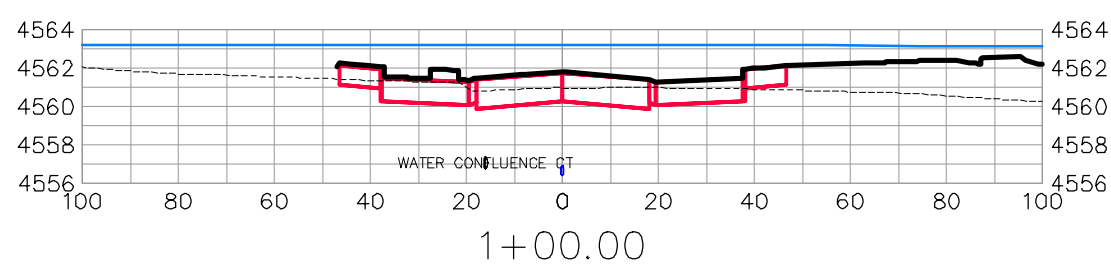
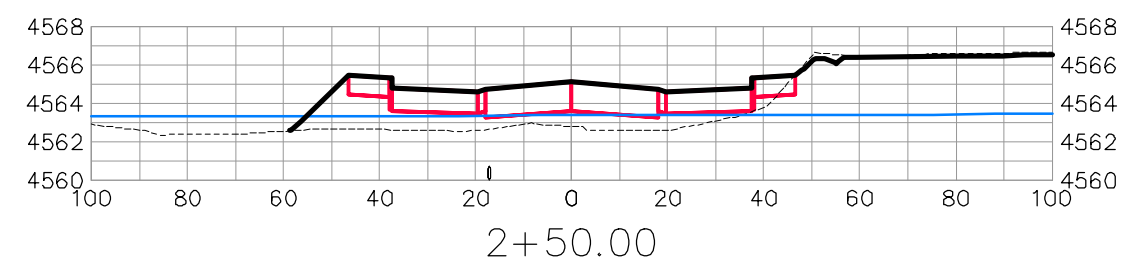
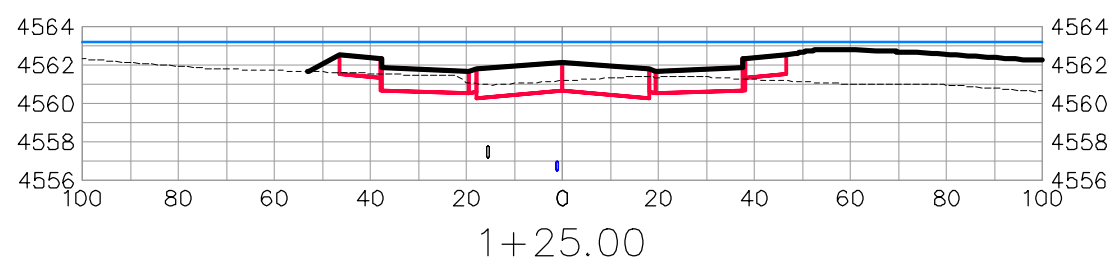
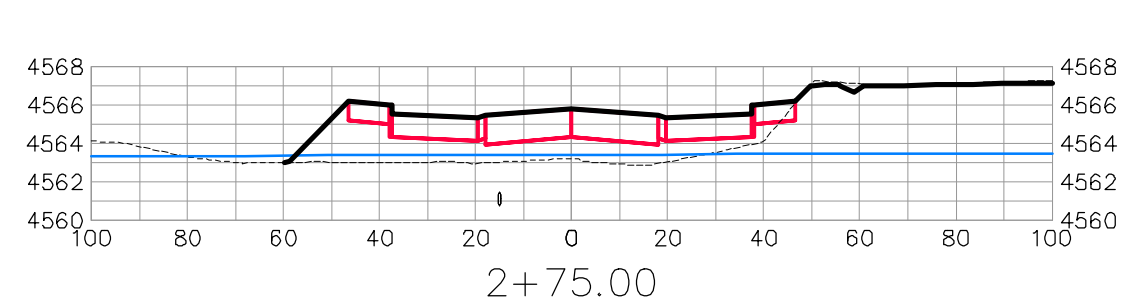
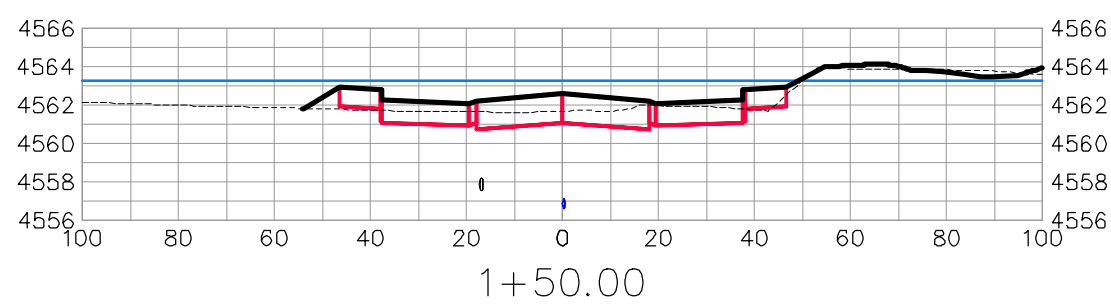
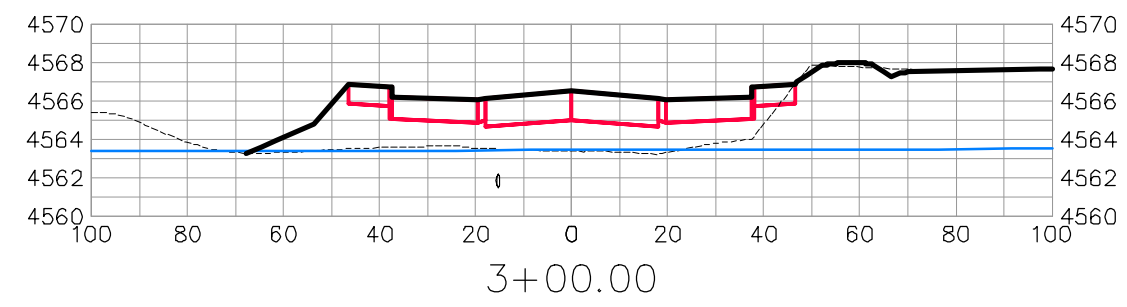
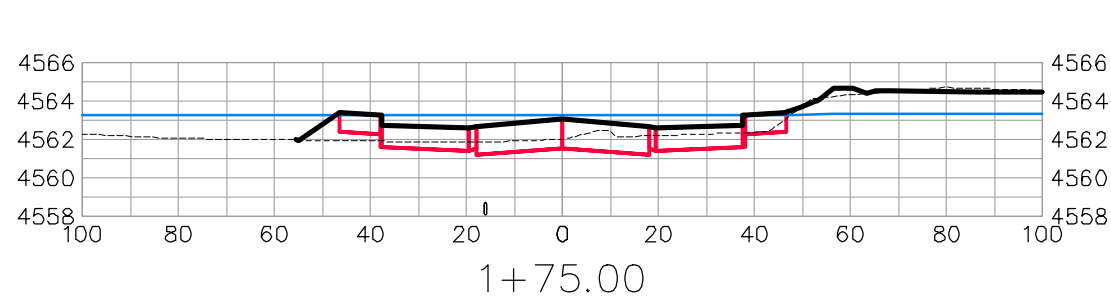
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (24)  
June 19, 2020



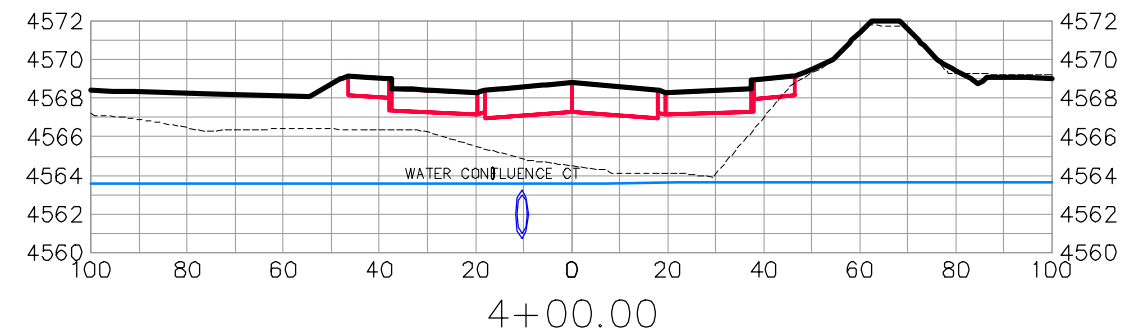
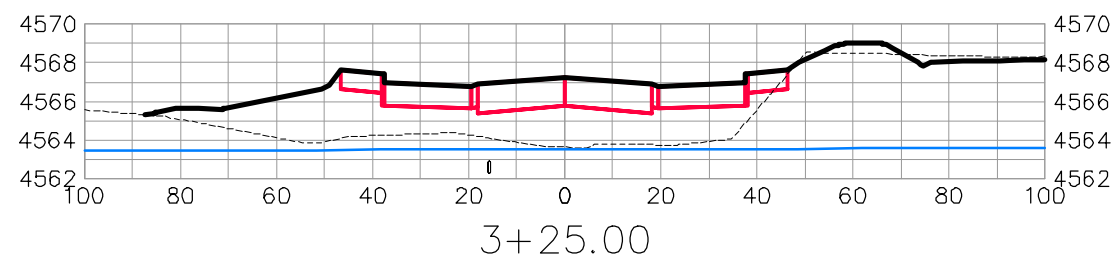
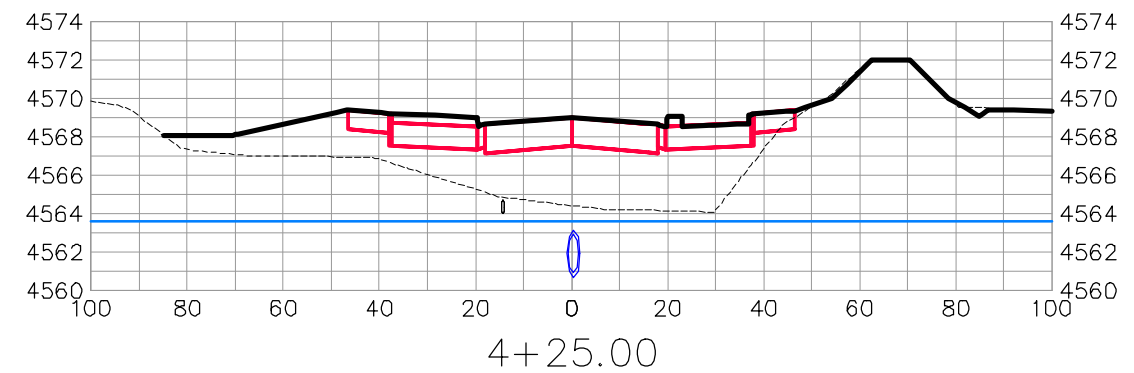
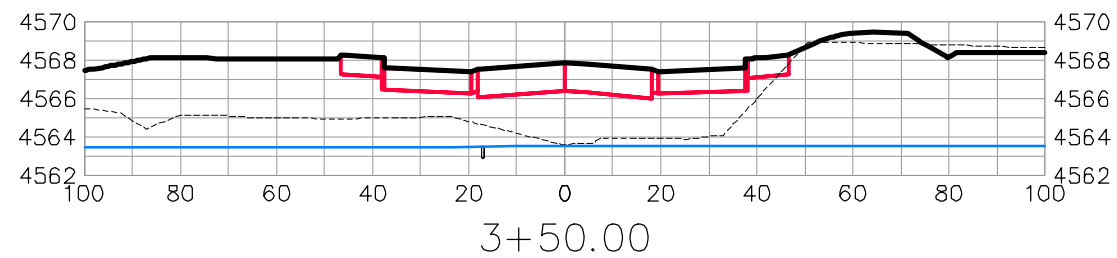
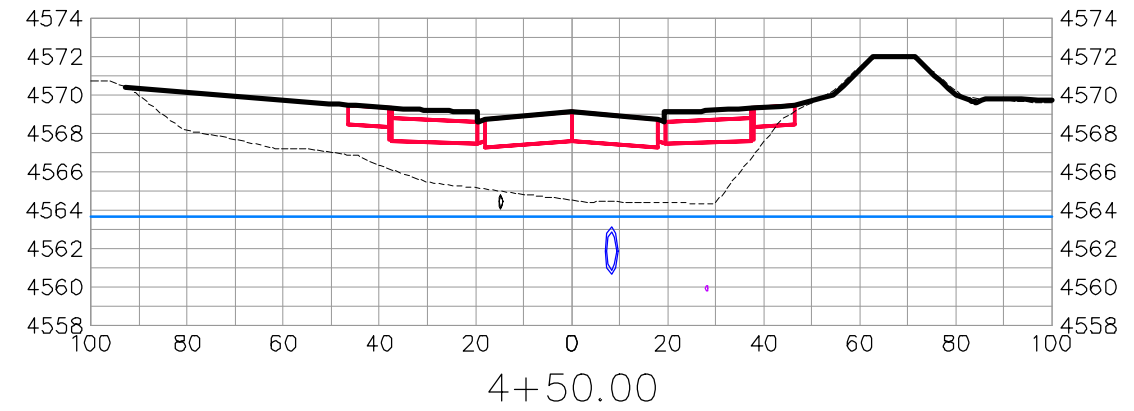
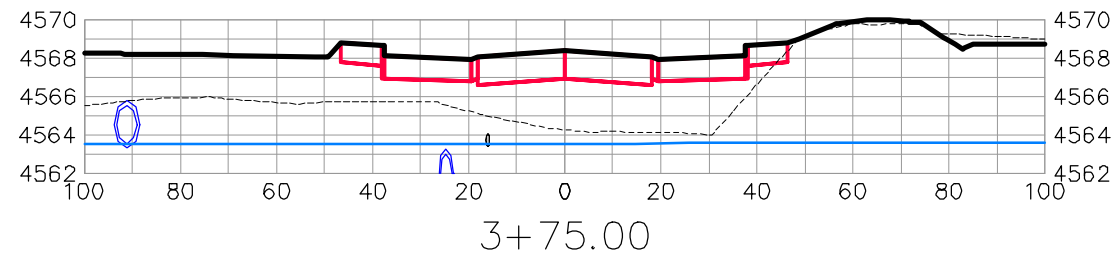
CONFLUENCE CT

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
△			JCS	2019	PLAN & PROFILE 0 10 20 40 HORIZONTAL 0 2.5 10 VERTICAL
△			JCS	2019	
△			BH	2019	
△			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (25)  
June 19, 2020



CONFLUENCE CT

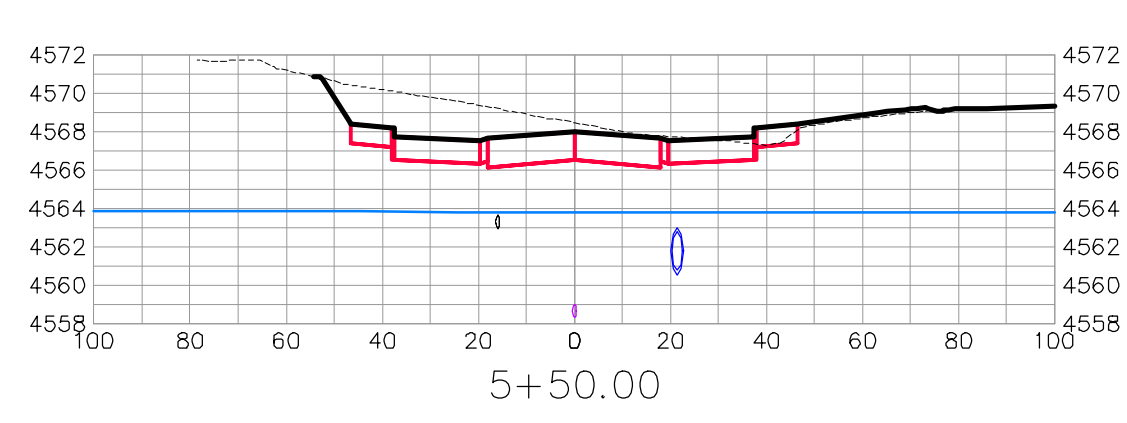
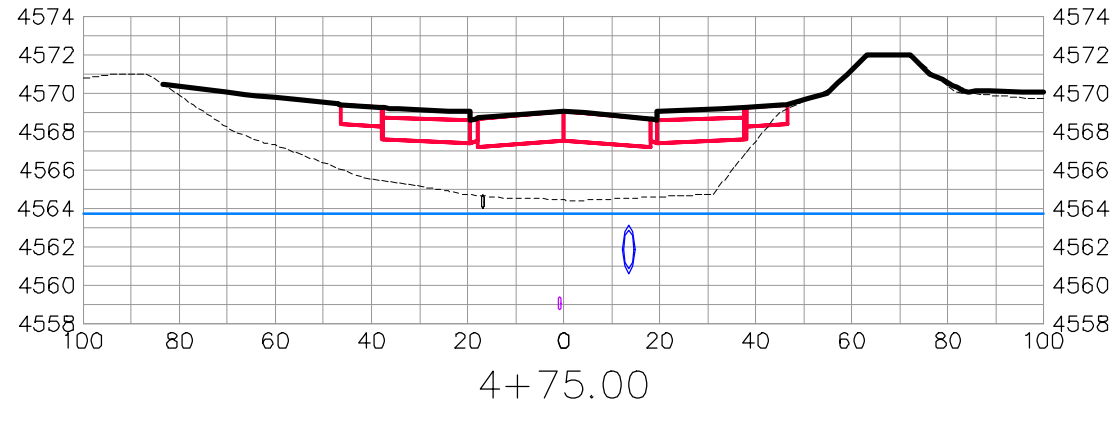
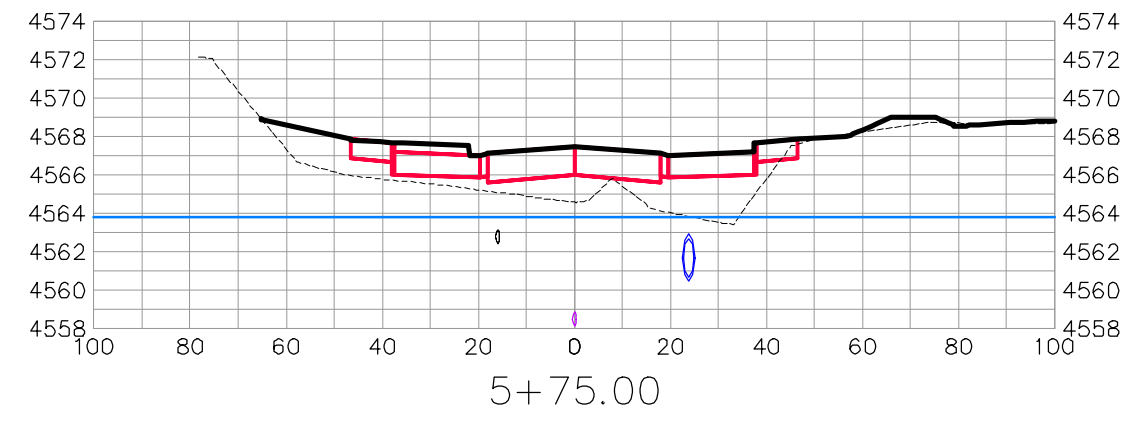
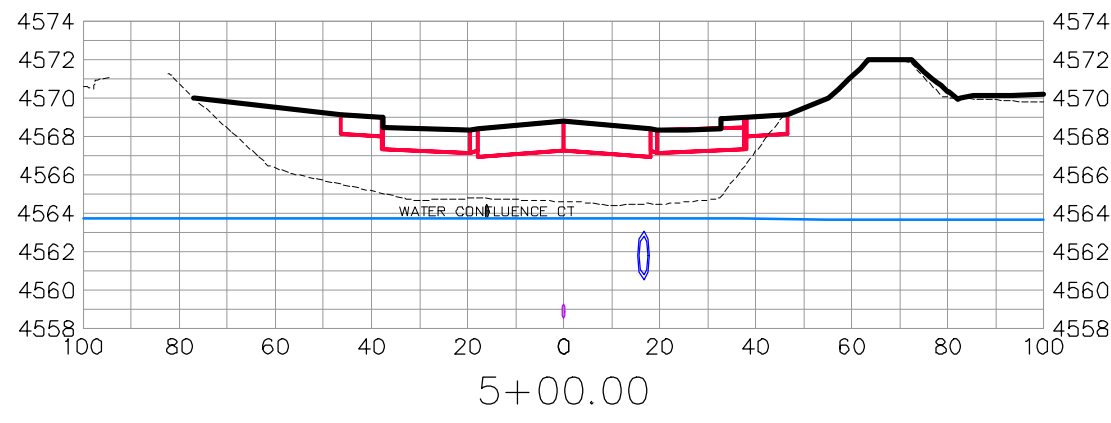
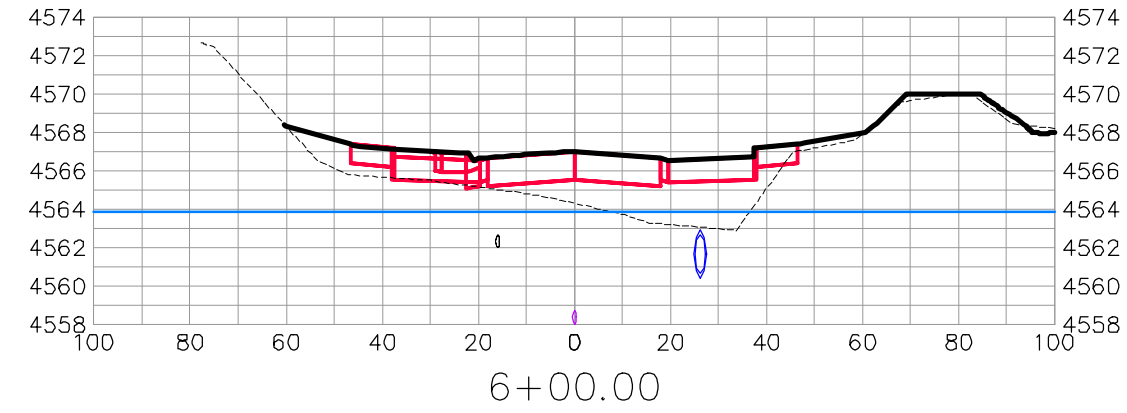
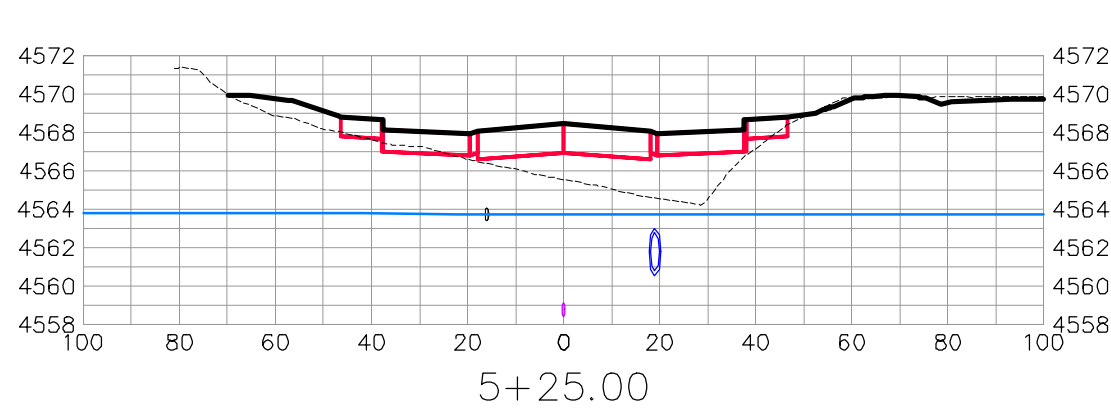
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (26)  
June 19, 2020



CONFLUENCE CT

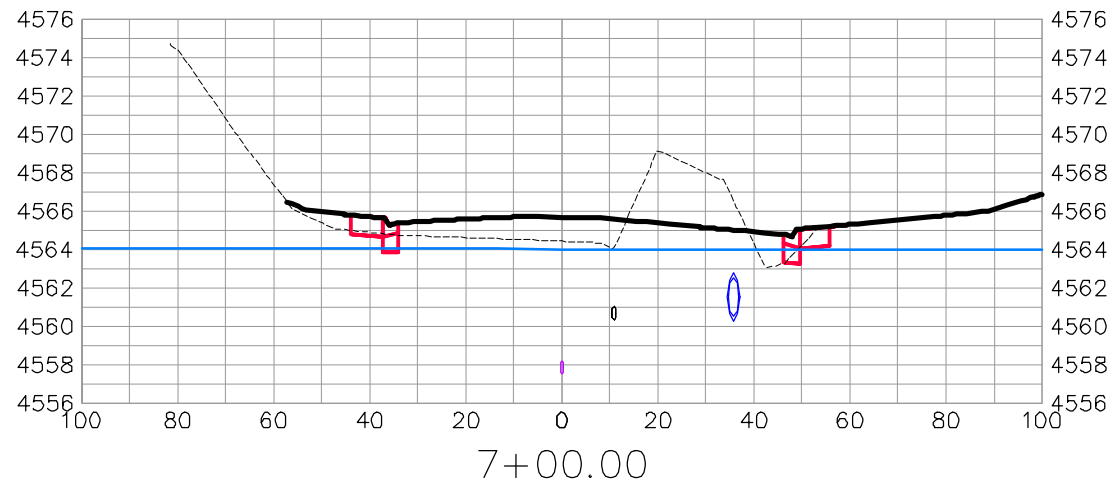
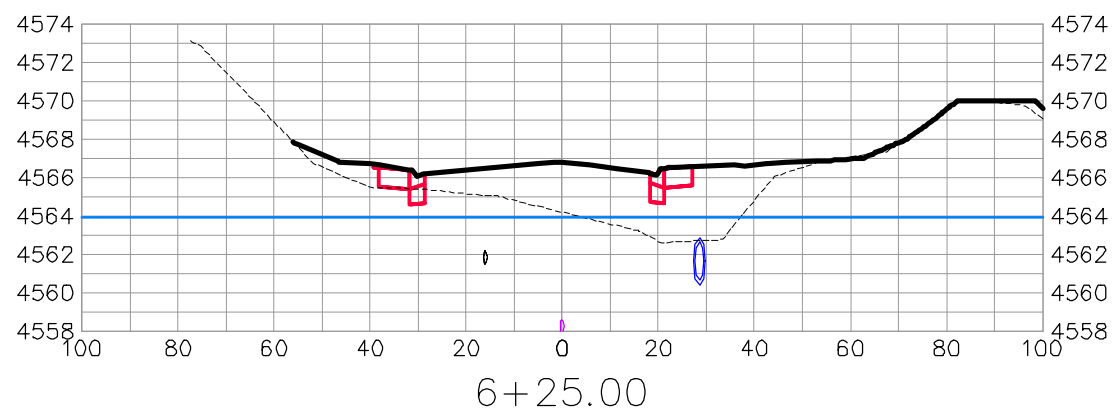
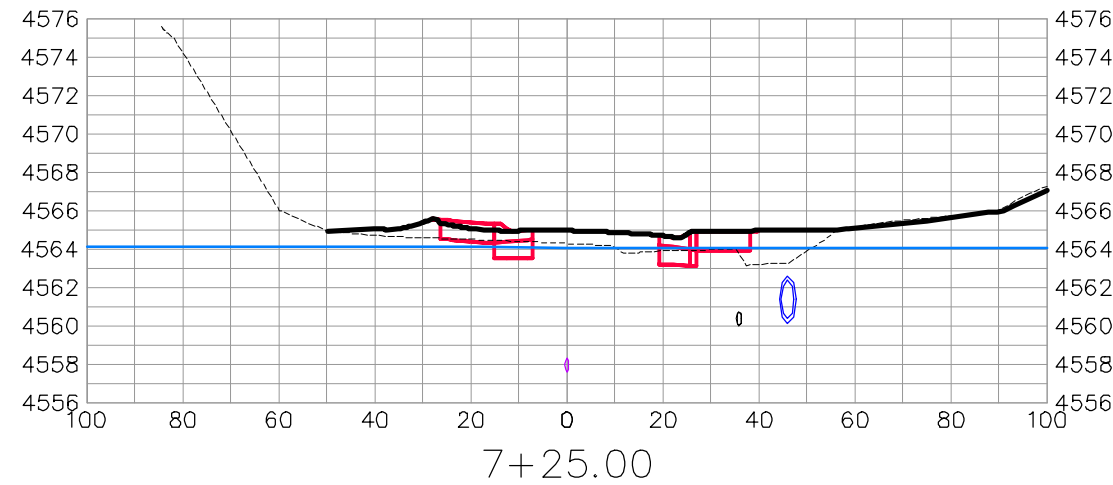
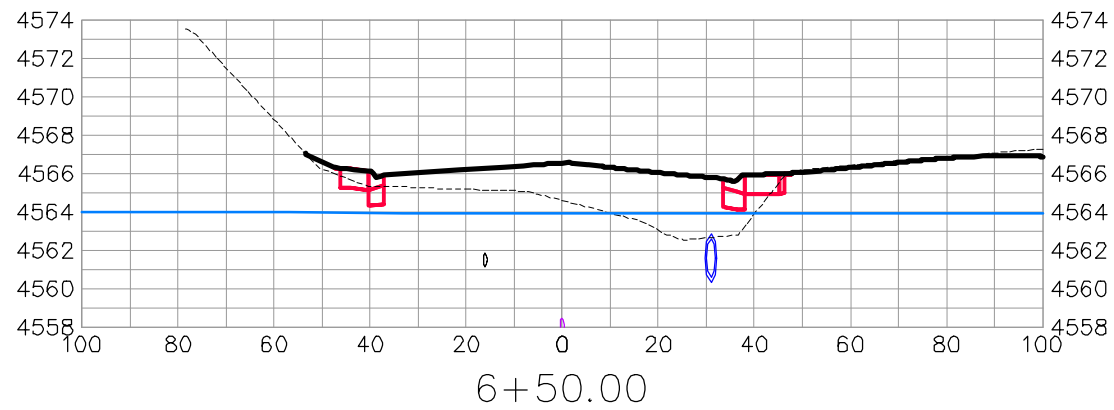
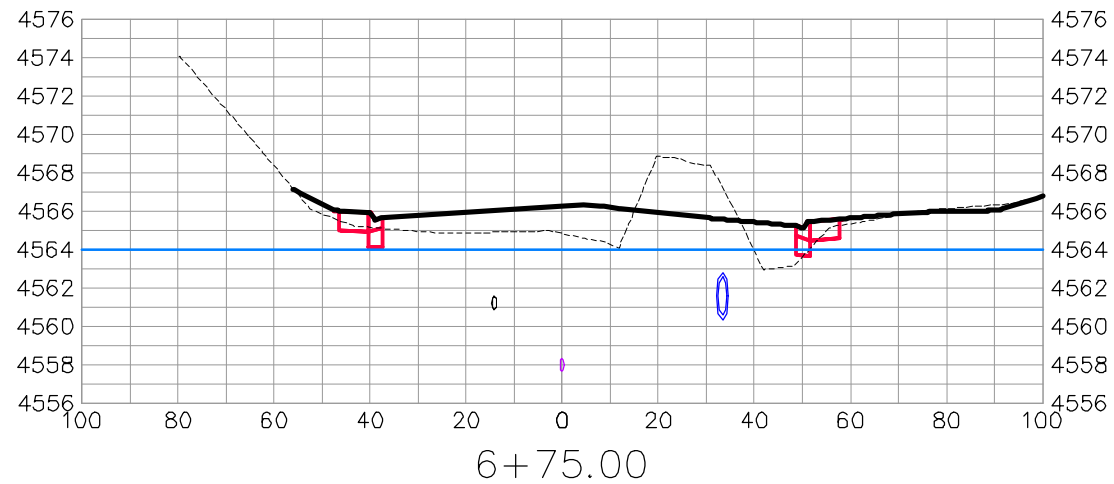
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (27)  
June 19, 2020



CONFLUENCE CT

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

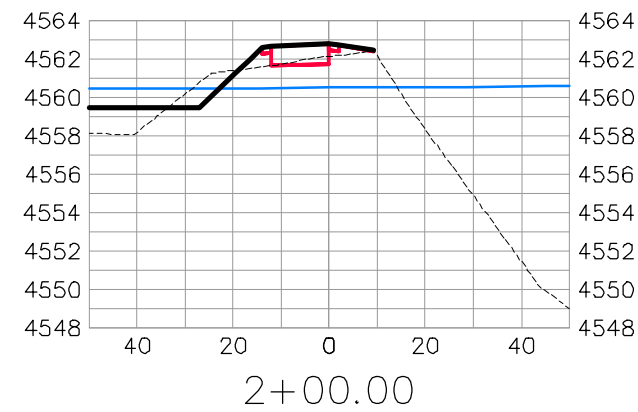
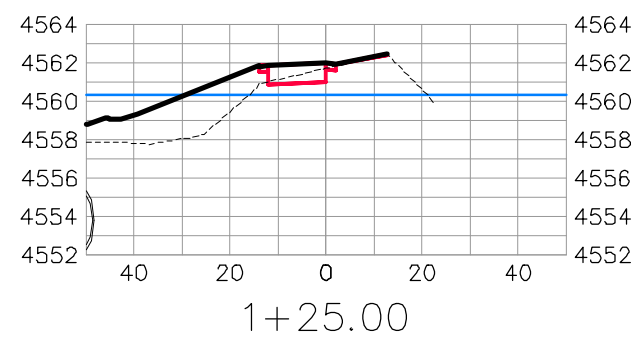
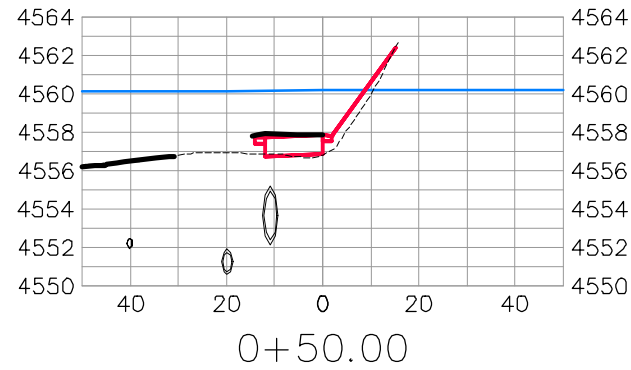
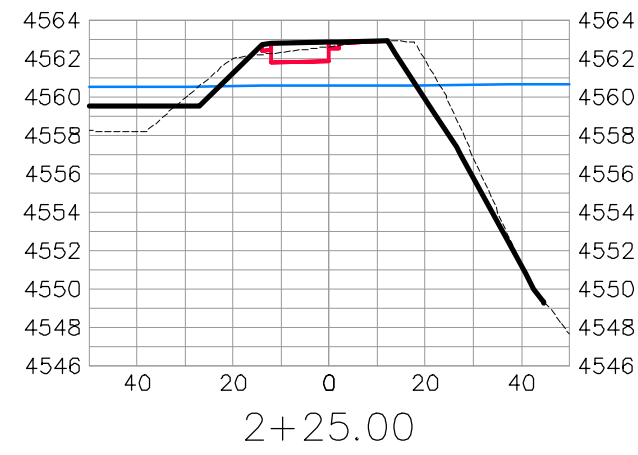
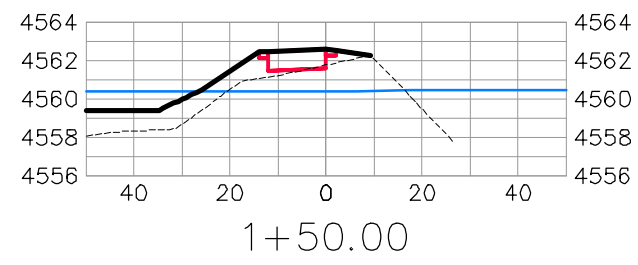
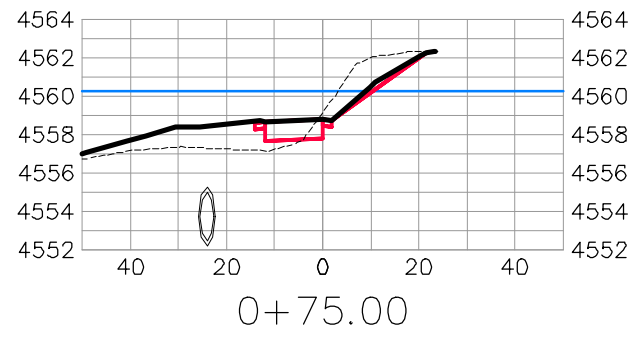
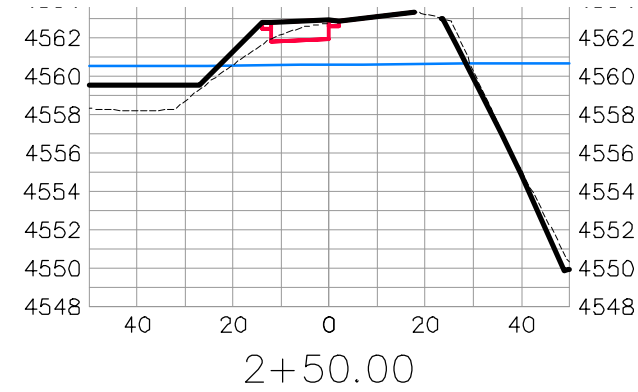
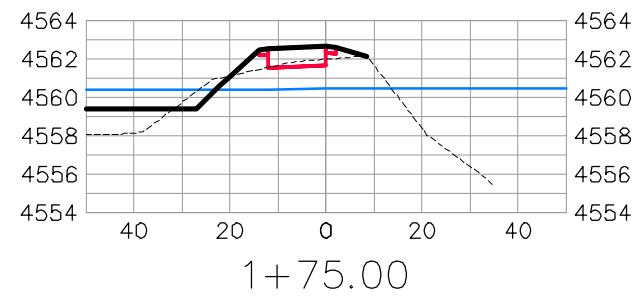
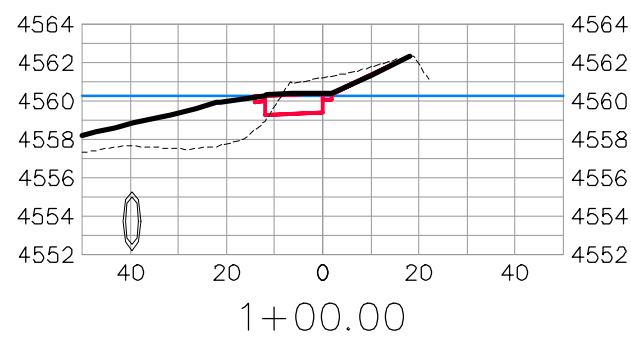
SCALES:	
PLAN & PROFILE	
HORIZONTAL	1" = 20'
VERTICAL	1" = 2.5'



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (28)  
June 19, 2020





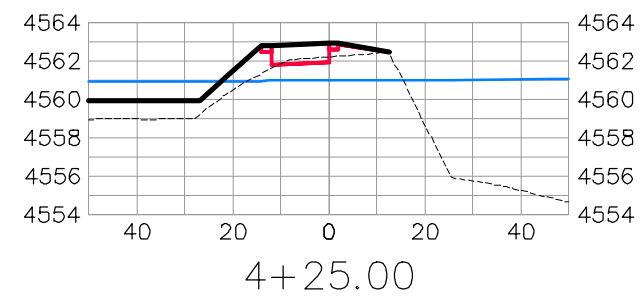
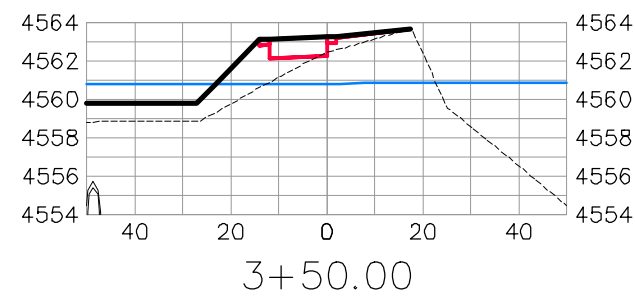
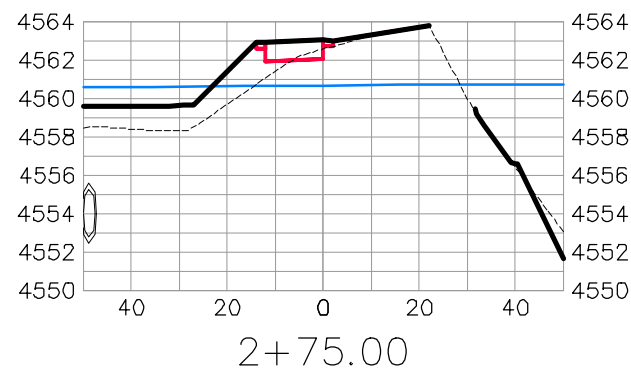
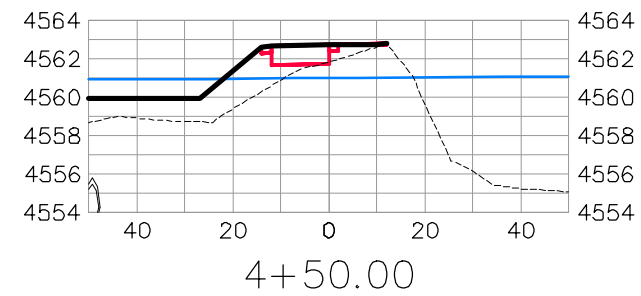
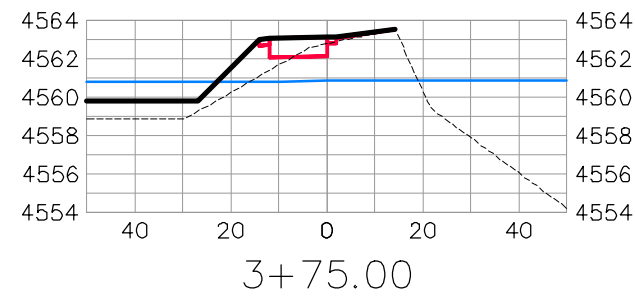
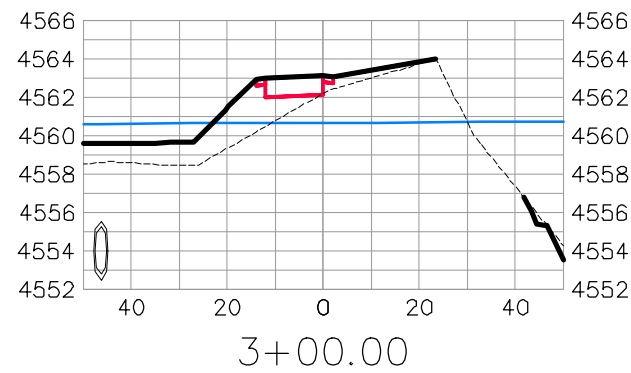
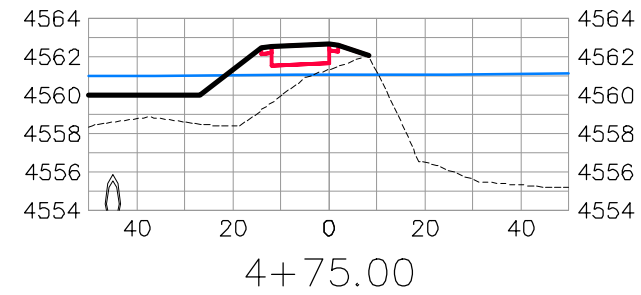
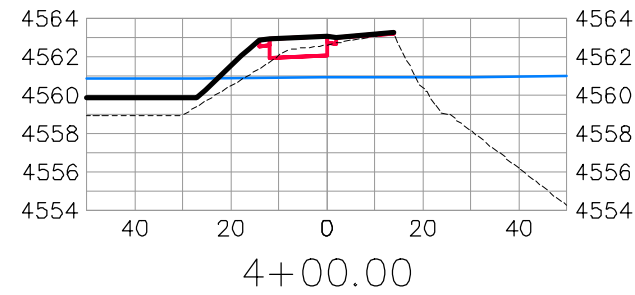
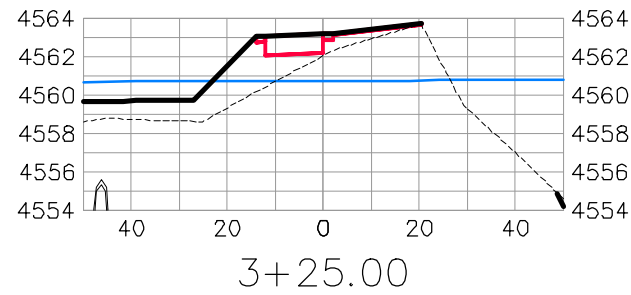
BIKE PATH

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
△			JCS	2019	PLAN & PROFILE HORIZONTAL: 1" = 20' VERTICAL: 1" = 2.5'
△			JCS	2019	
△			BH	2019	
△			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (29)  
June 19, 2020



BIKE PATH

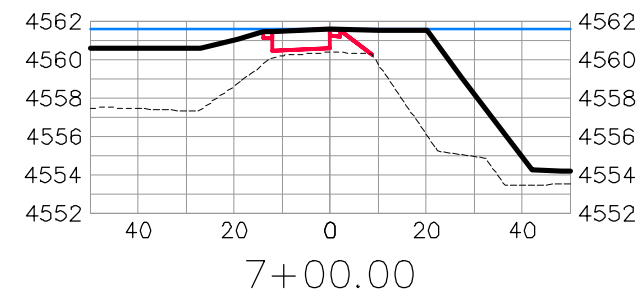
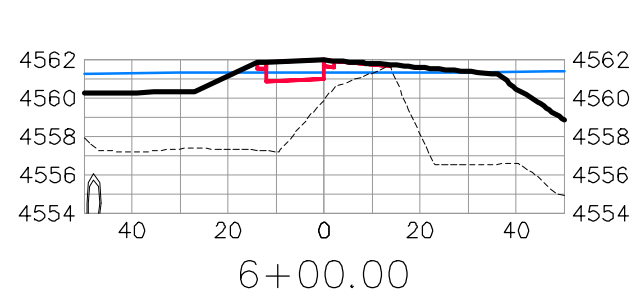
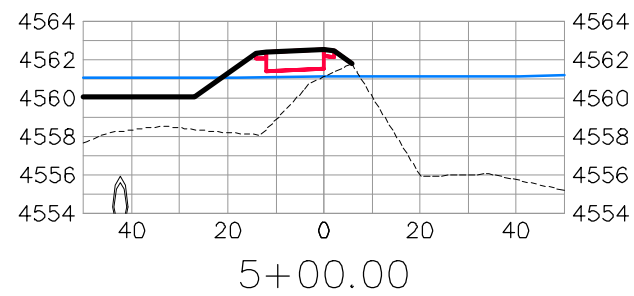
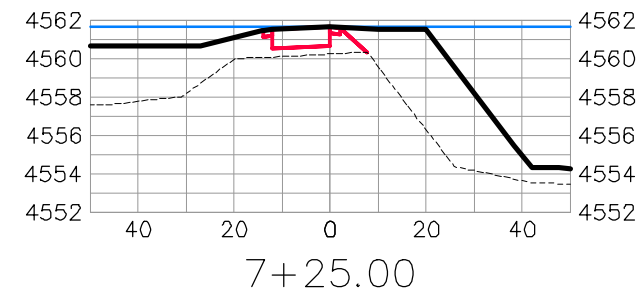
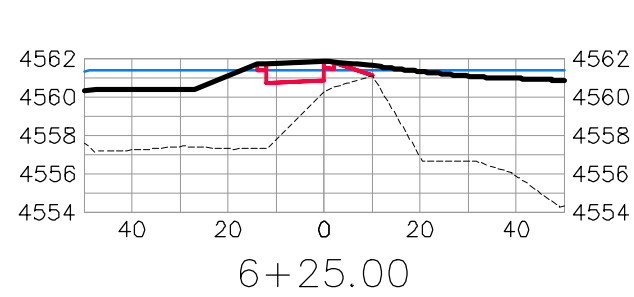
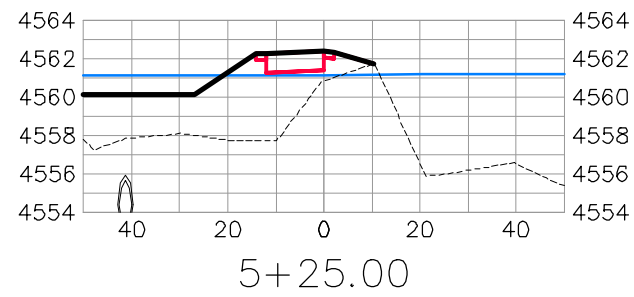
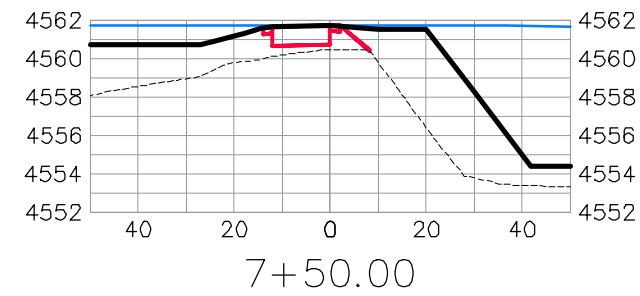
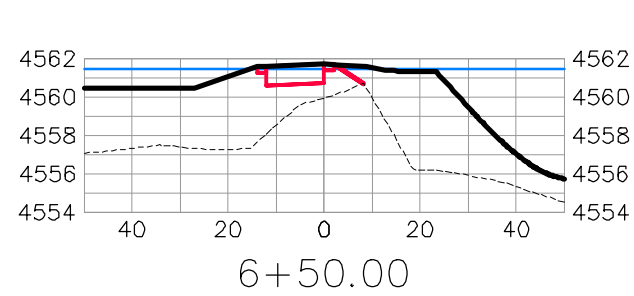
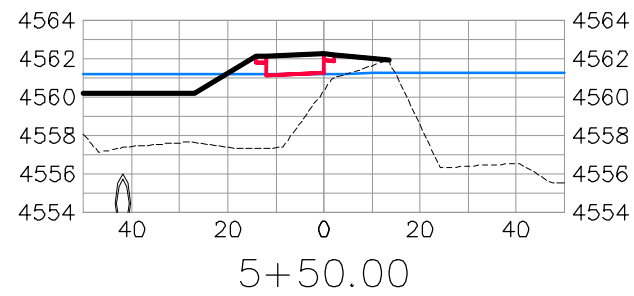
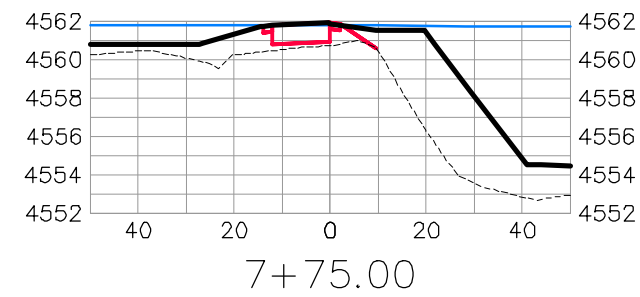
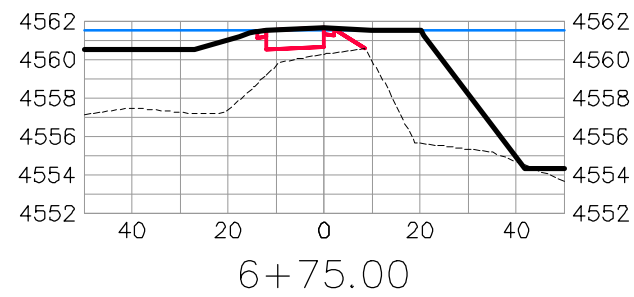
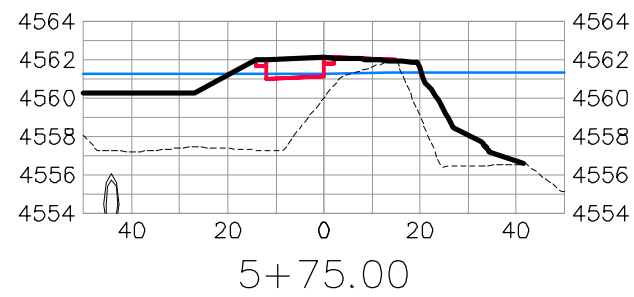
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	10
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (30)  
June 19, 2020



BIKE PATH

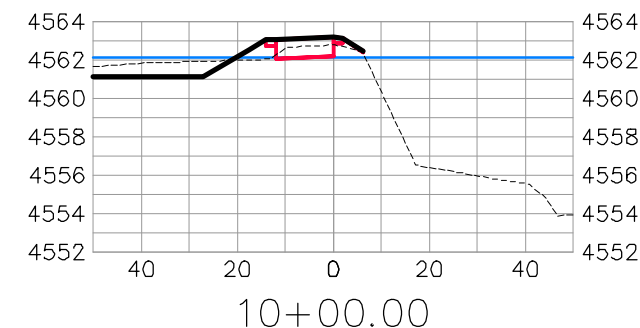
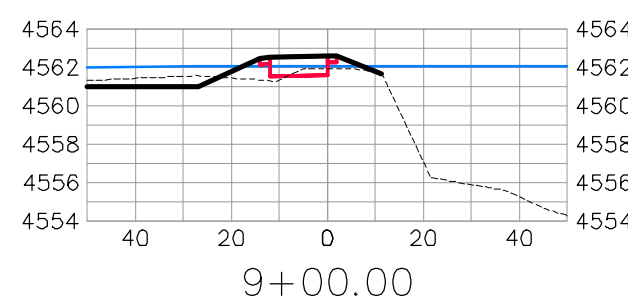
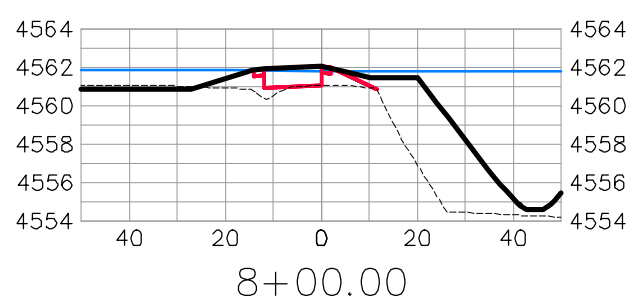
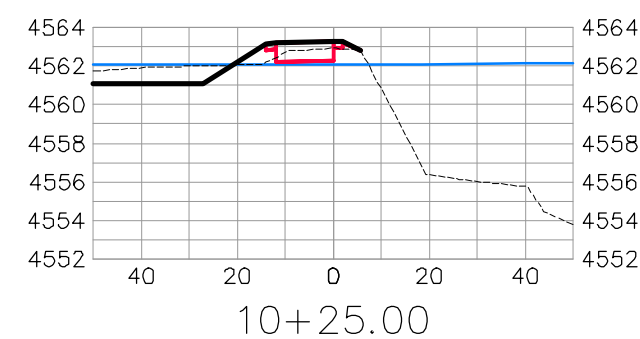
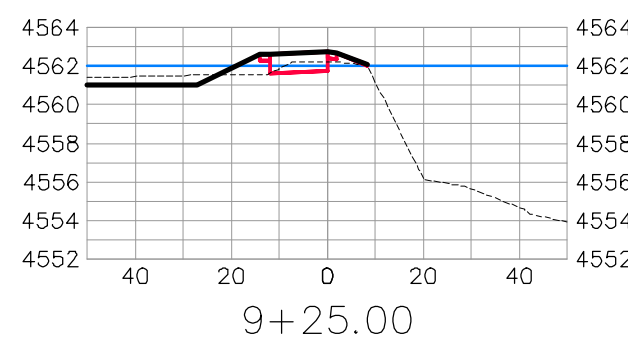
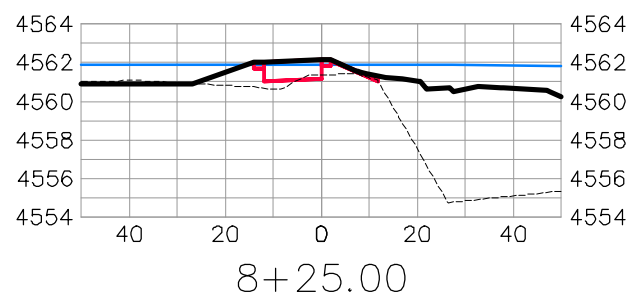
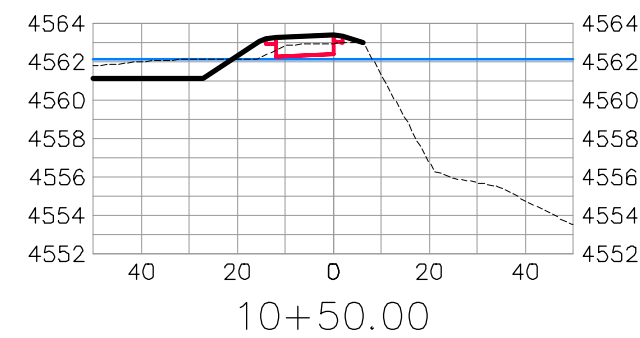
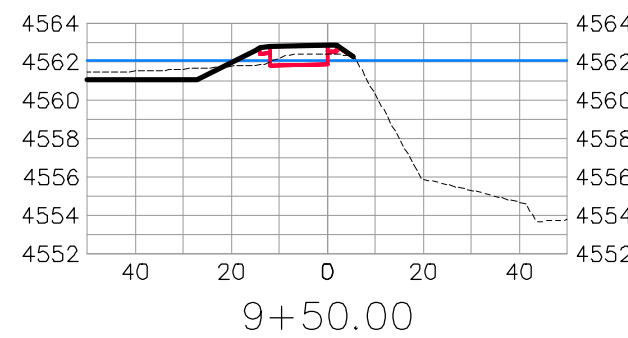
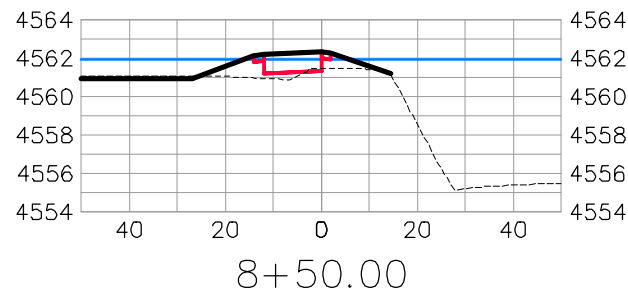
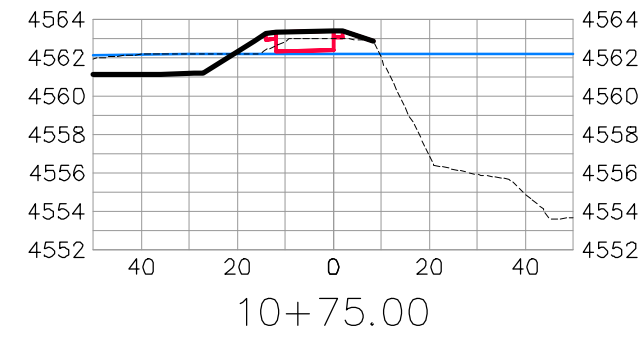
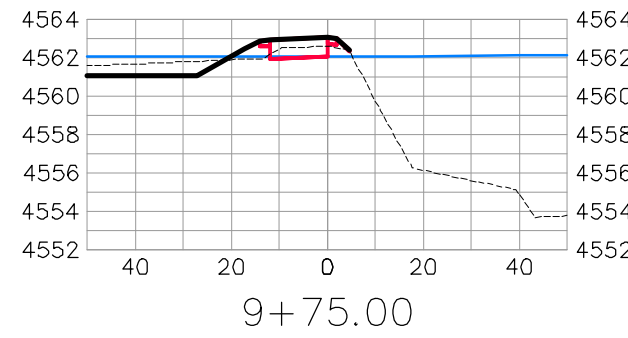
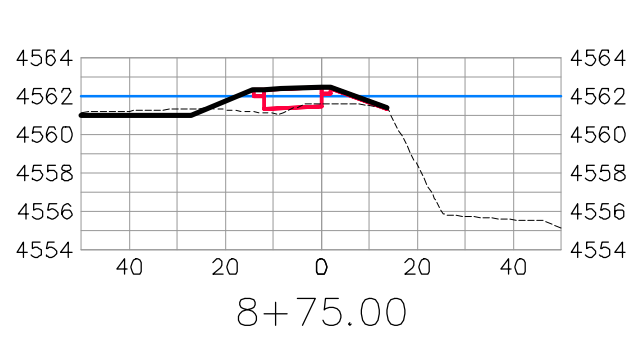
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
0	10
0	2.5
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (31)  
June 19, 2020



BIKE PATH

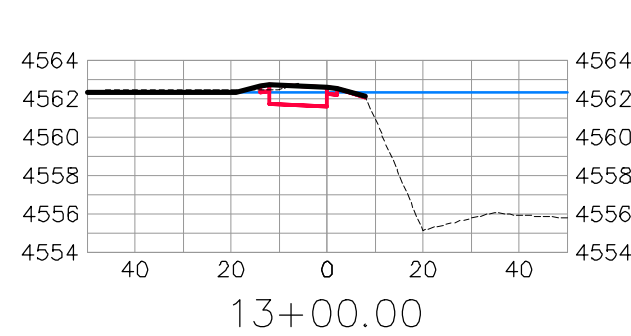
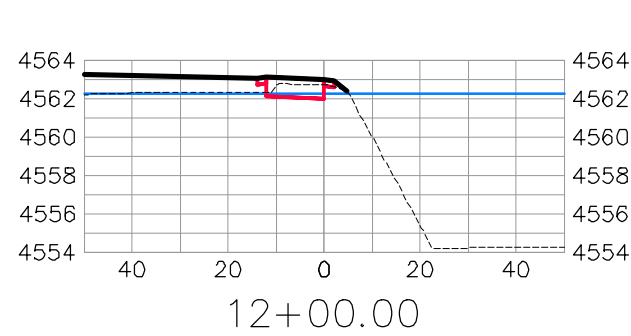
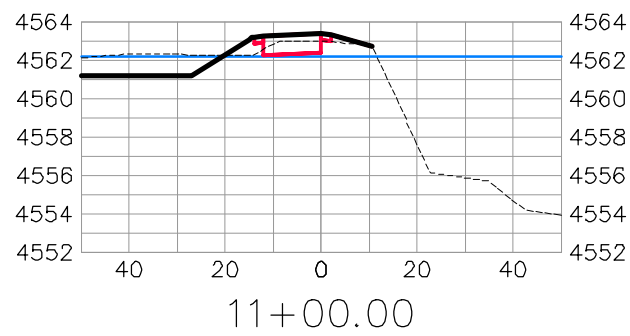
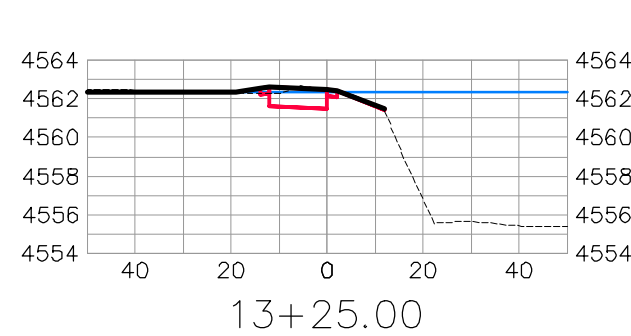
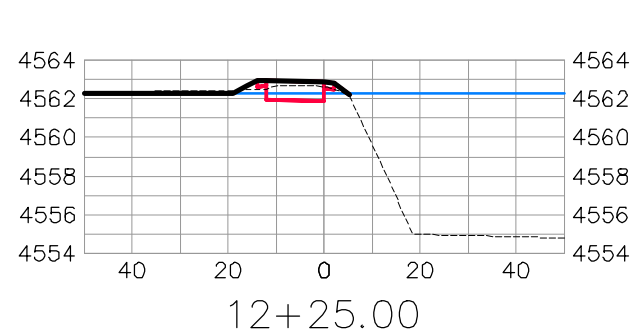
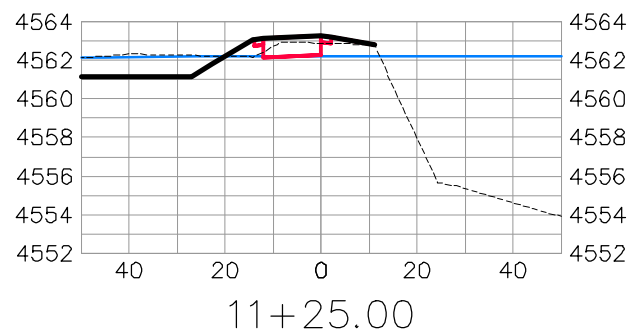
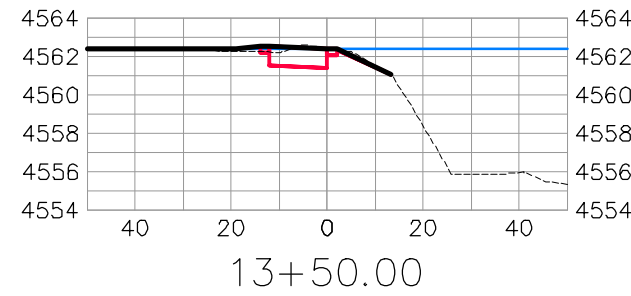
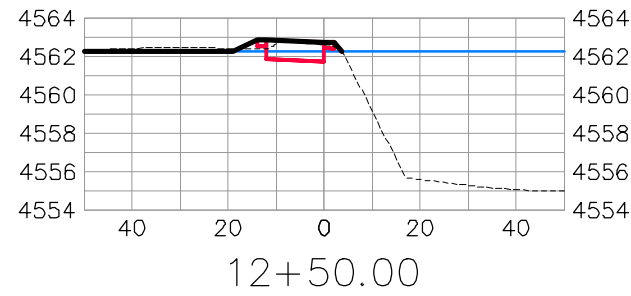
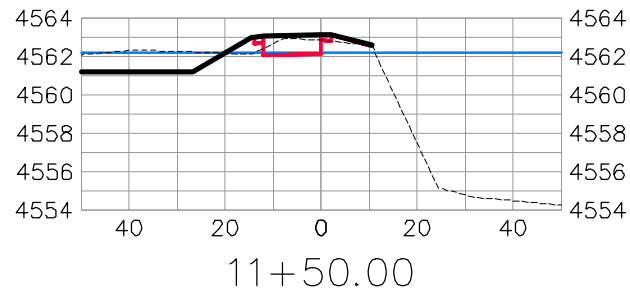
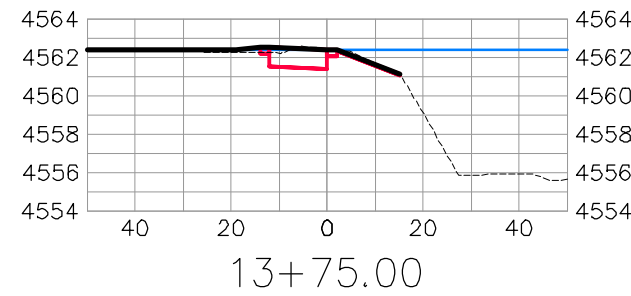
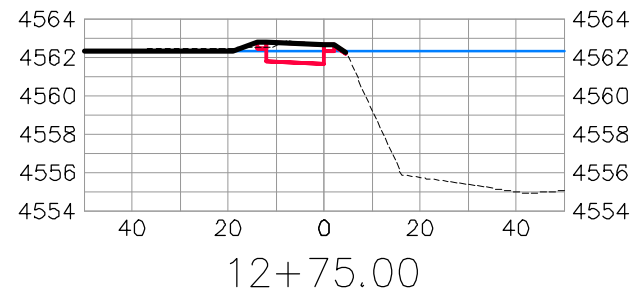
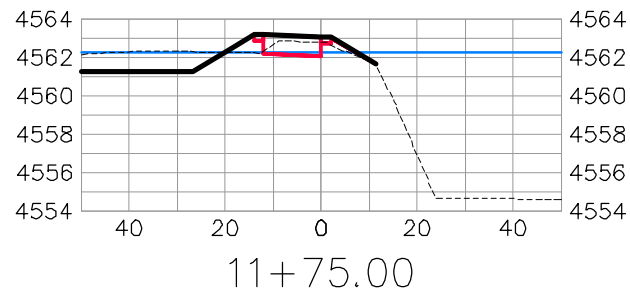
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

SCALES:	
0	40
HORIZONTAL	
0	10
VERTICAL	
0	10



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (32)  
June 19, 2020**



BIKE PATH

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

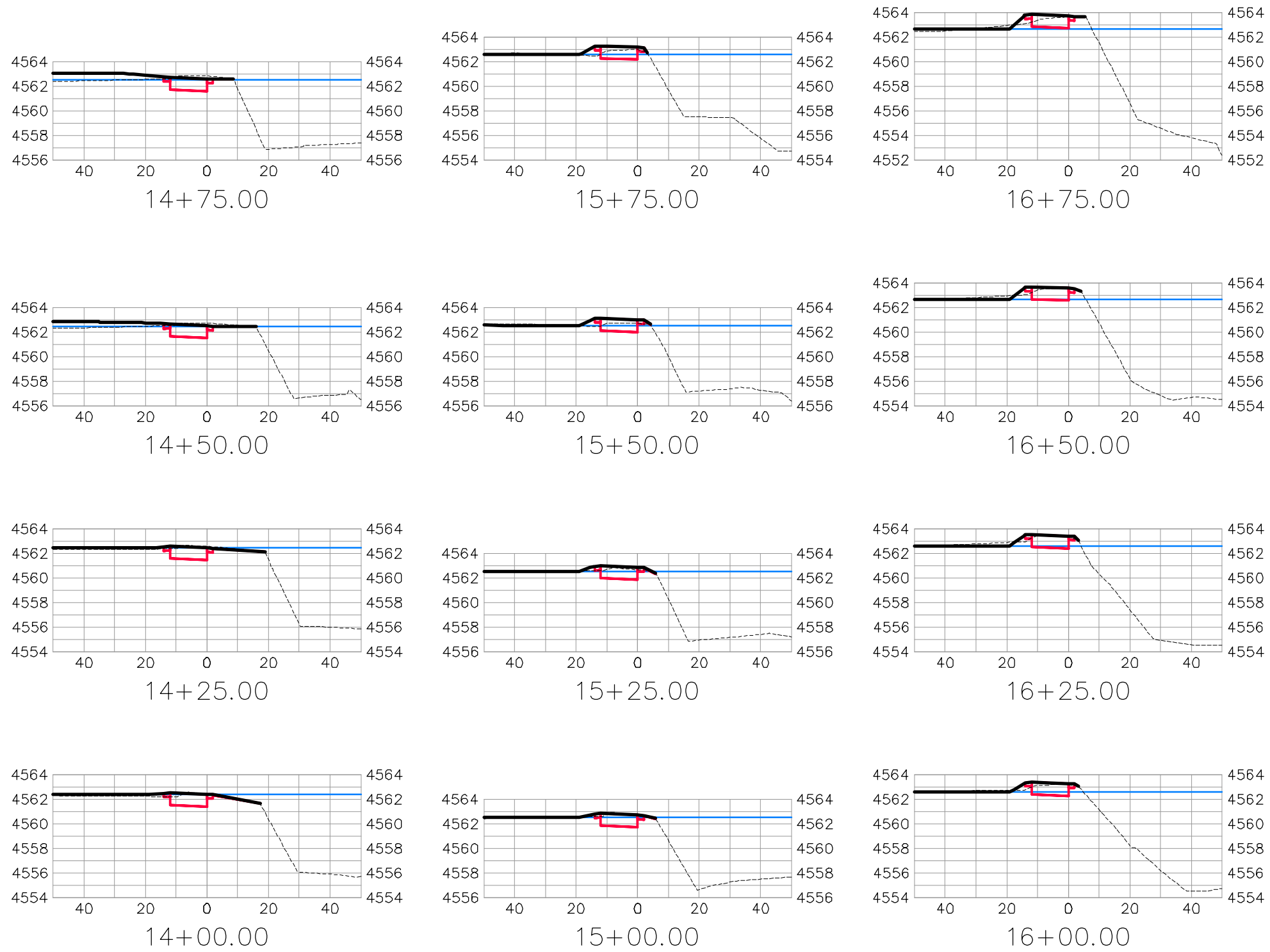
SCALES:	
0 10 20 40	HORIZONTAL
0 2.5 10	VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (33)  
June 19, 2020





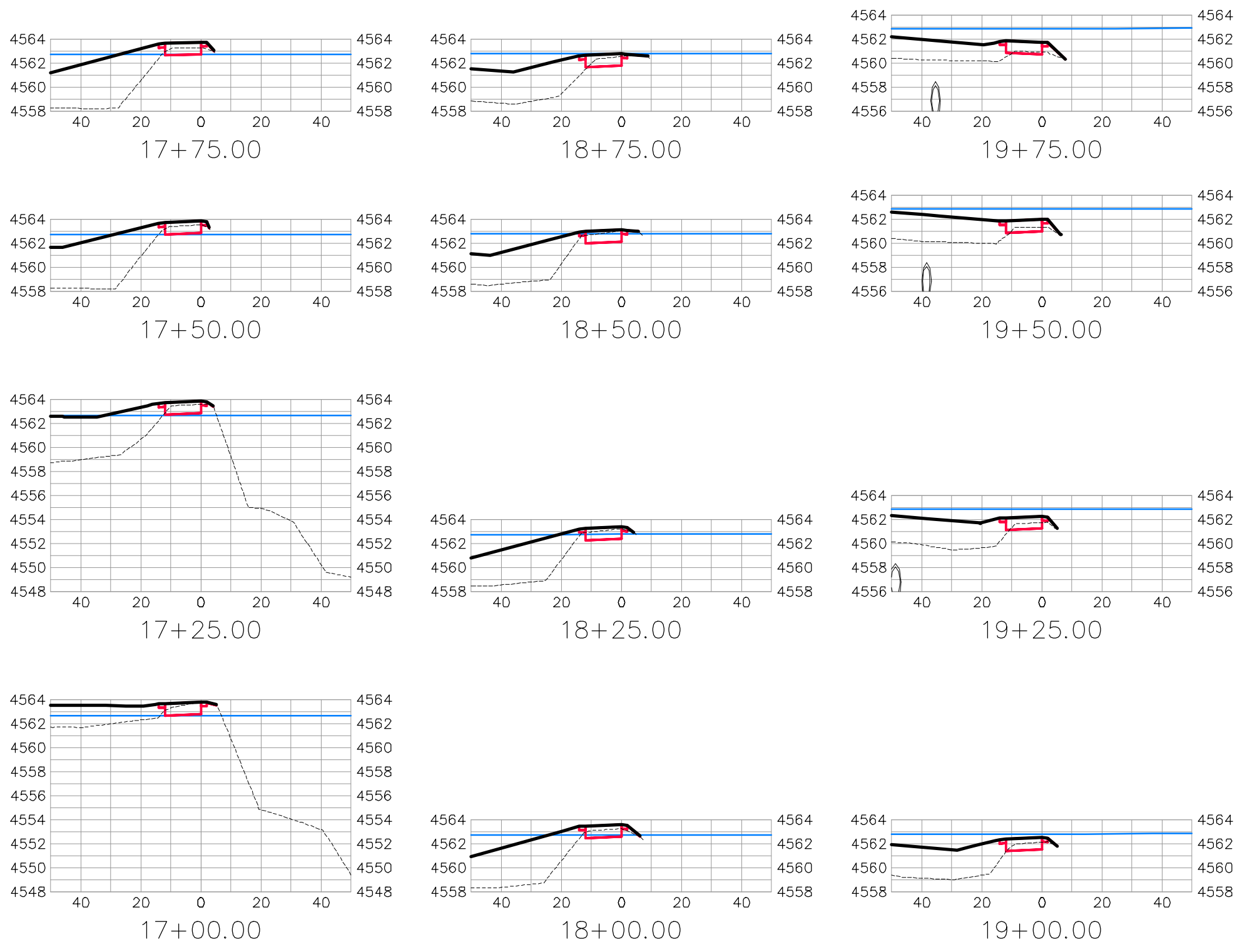
BIKE PATH

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
△			JCS	2019	PLAN & PROFILE 0 10 20 40 HORIZONTAL 0 2.5 10 VERTICAL
△			JCS	2019	
△			BH	2019	
△			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (34)  
June 19, 2020



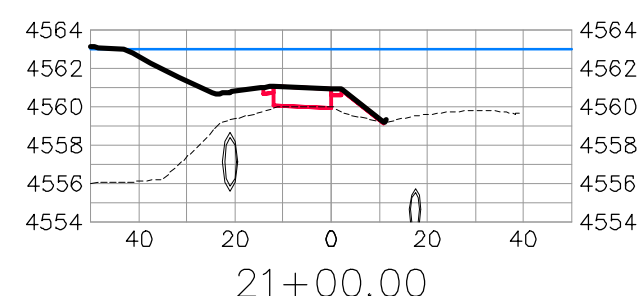
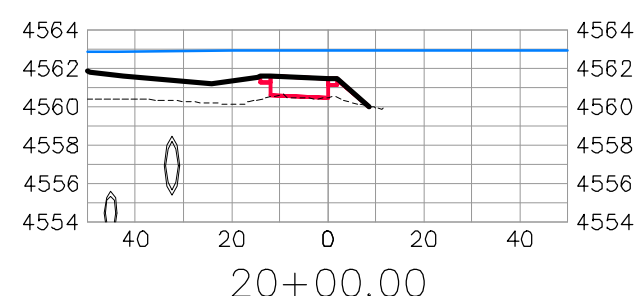
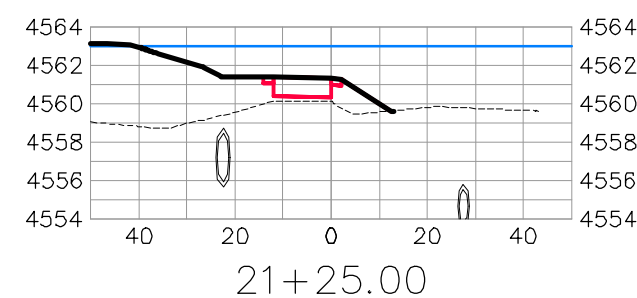
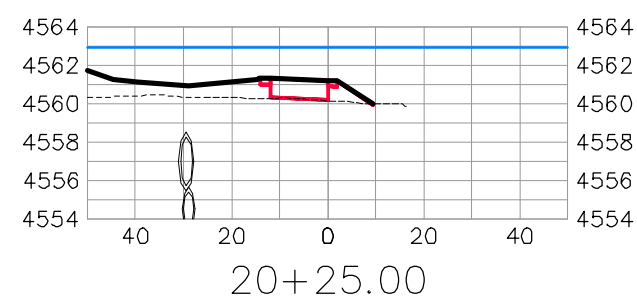
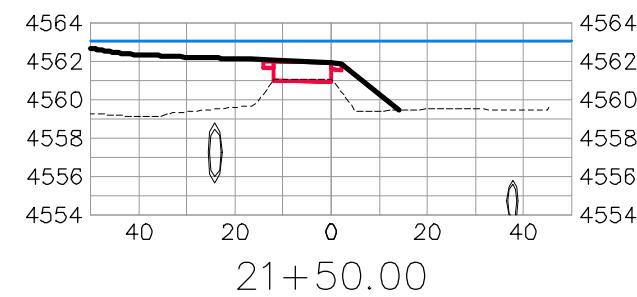
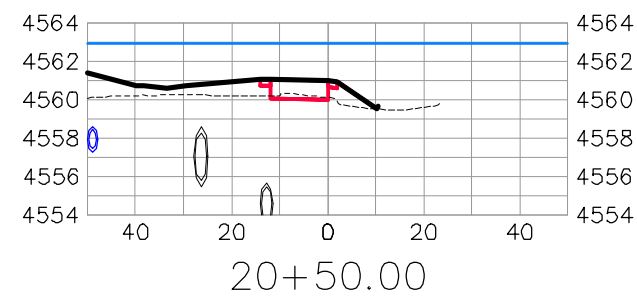
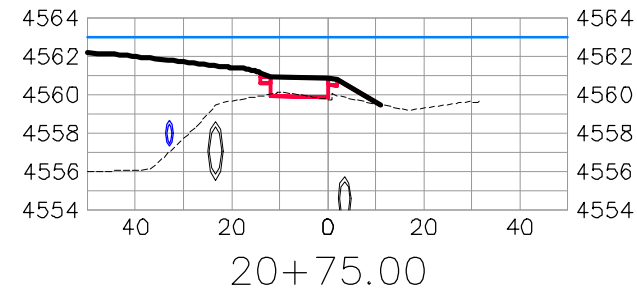
BIKE PATH

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
△			JCS	2019	PLAN & PROFILE 0 10 20 40 HORIZONTAL 0 2.5 10 VERTICAL
△			JCS	2019	
△			BH	2019	
△			TCP	2019	



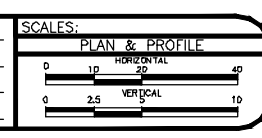
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (35)  
June 19, 2020



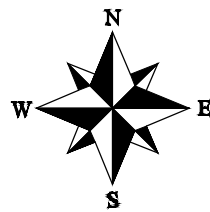
BIKE PATH

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	DESIGNED BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE
△			JCS	2019	JCS	2019	BH	2019	TCP	2019
△										
△										
△										



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
ROAD CROSS SECTIONS - (36)  
June 19, 2020

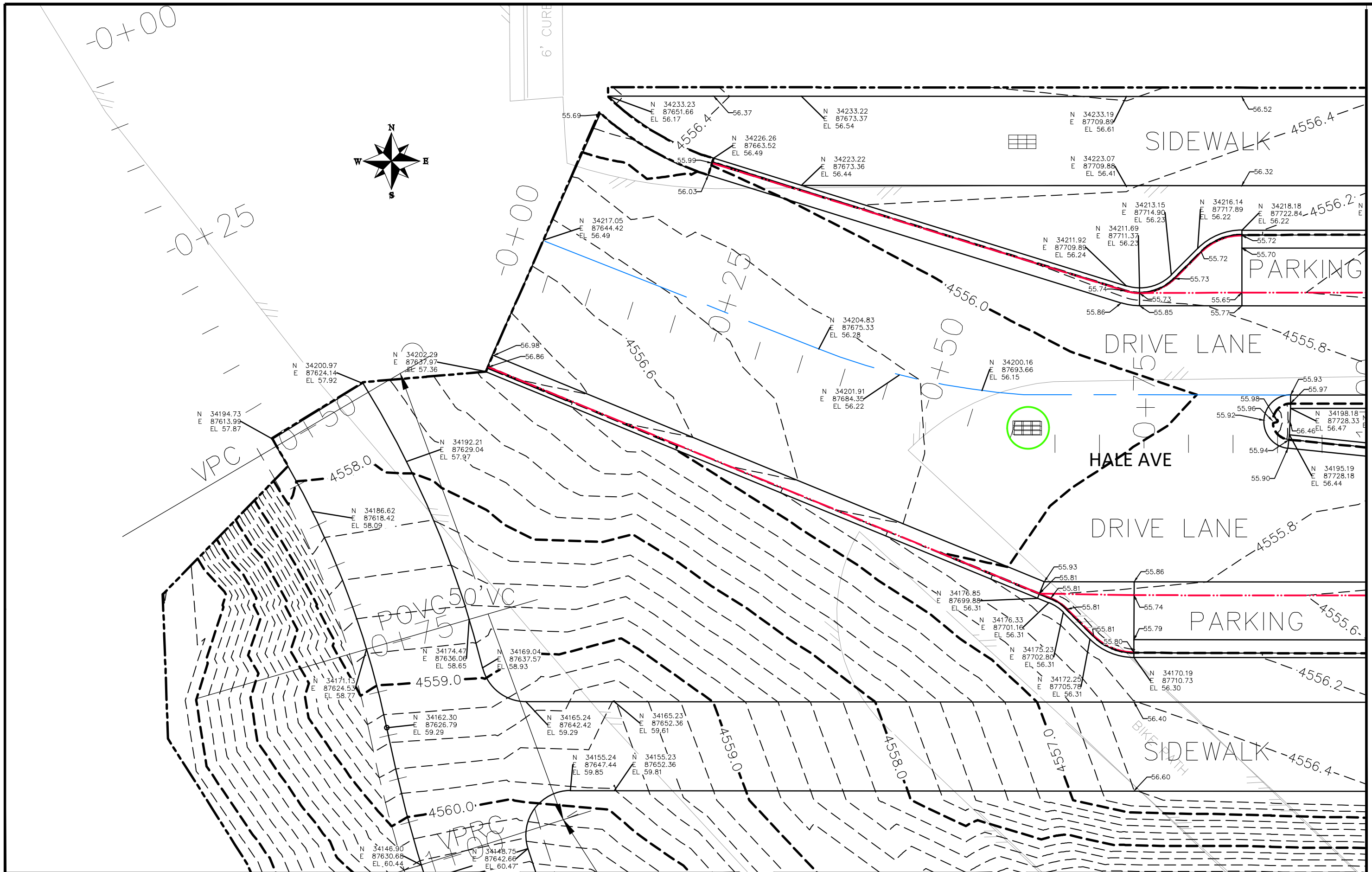


REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
△			JCS	2019	
△			JCS	2019	
△			BH	2019	
△			TCP	2019	
△					



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN SHEET INDEX  
June 19, 2020



REVISION	DESCRIPTION	DATE
△		
△		
△		
△		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

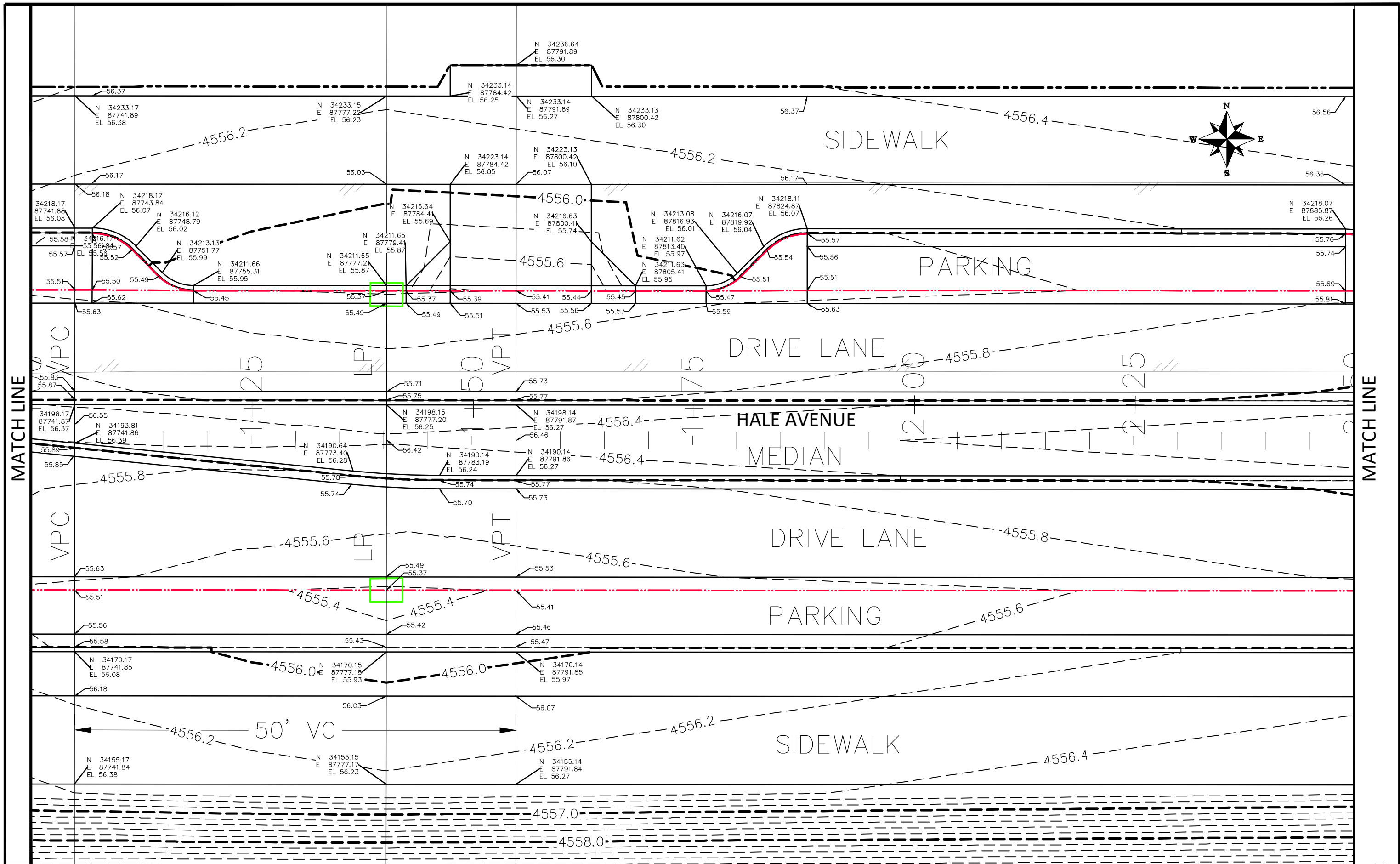
SCALES:	
0	10
0	10
0	10



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-1  
June 19, 2020





REVISION	DESCRIPTION	DATE
△		
△		
△		
△		

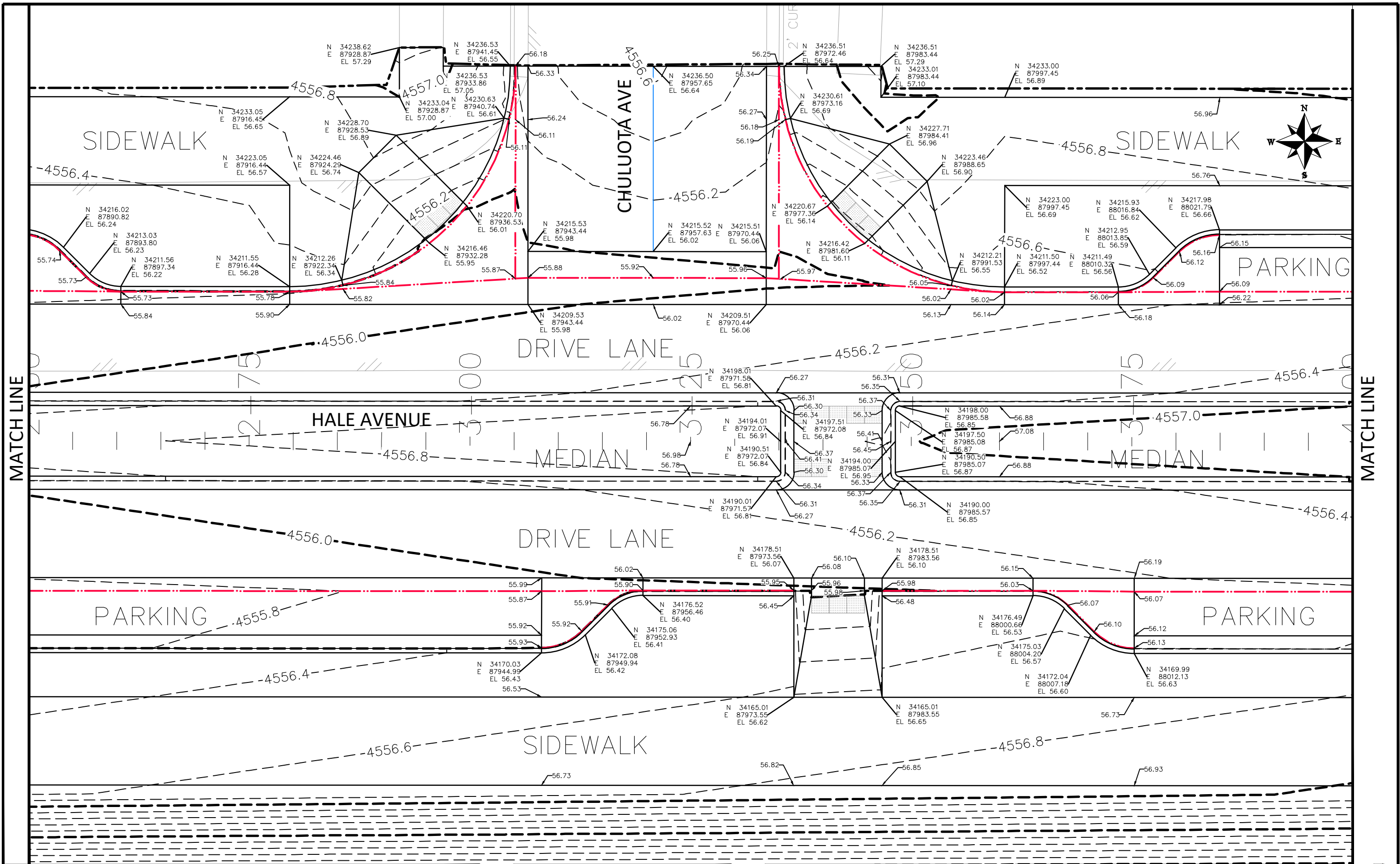
DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
0	25 HORIZONTAL
0	NA VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-2  
June 19, 2020



MATCH LINE

MATCH LINE

REVISION	DESCRIPTION	DATE
△		
△		
△		
△		

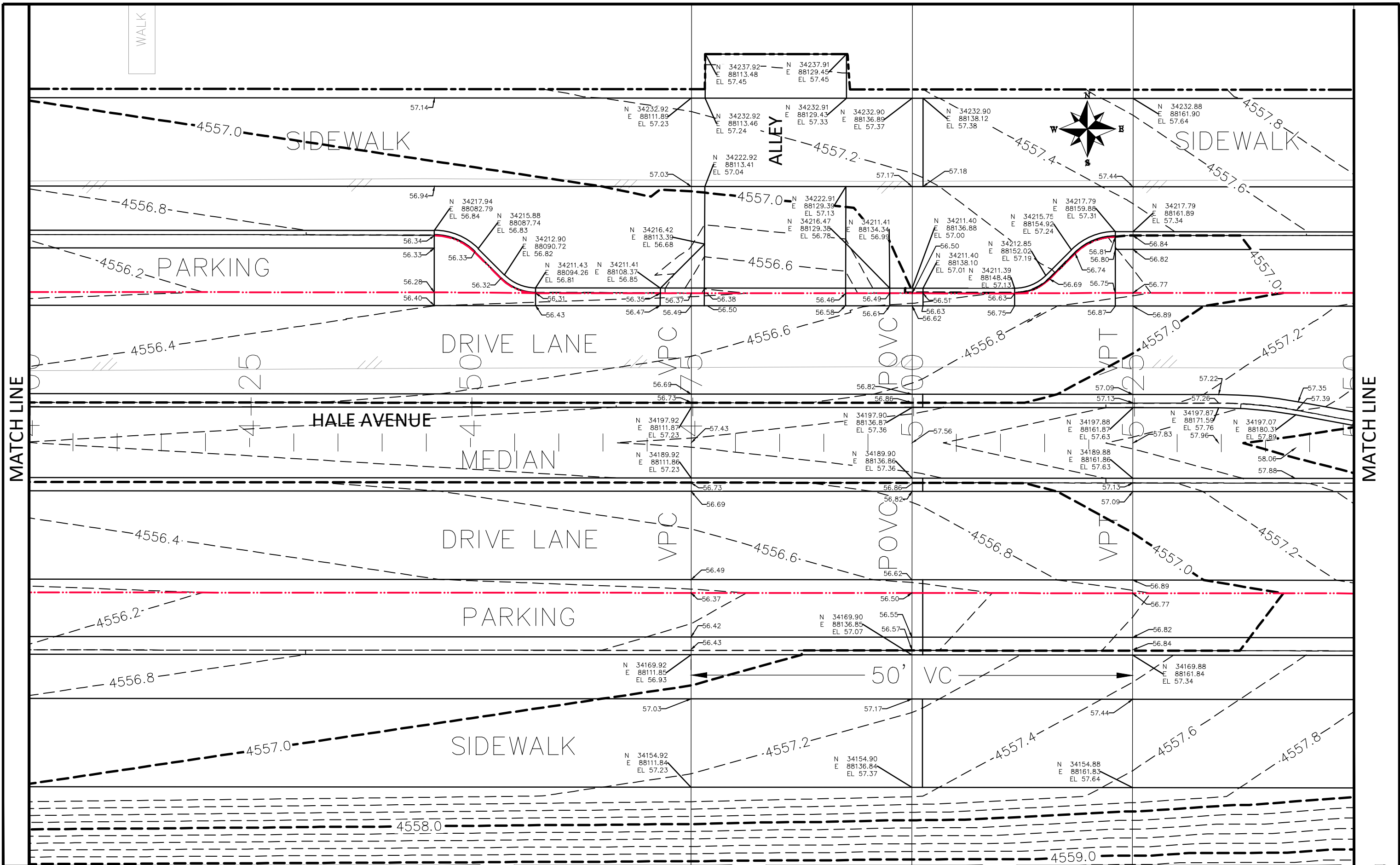
DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
0	10
HORIZONTAL	
0	NA
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-3  
June 19, 2020



MATCH LINE

MATCH LINE

REVISION	DESCRIPTION	DATE
△		
△		
△		
△		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

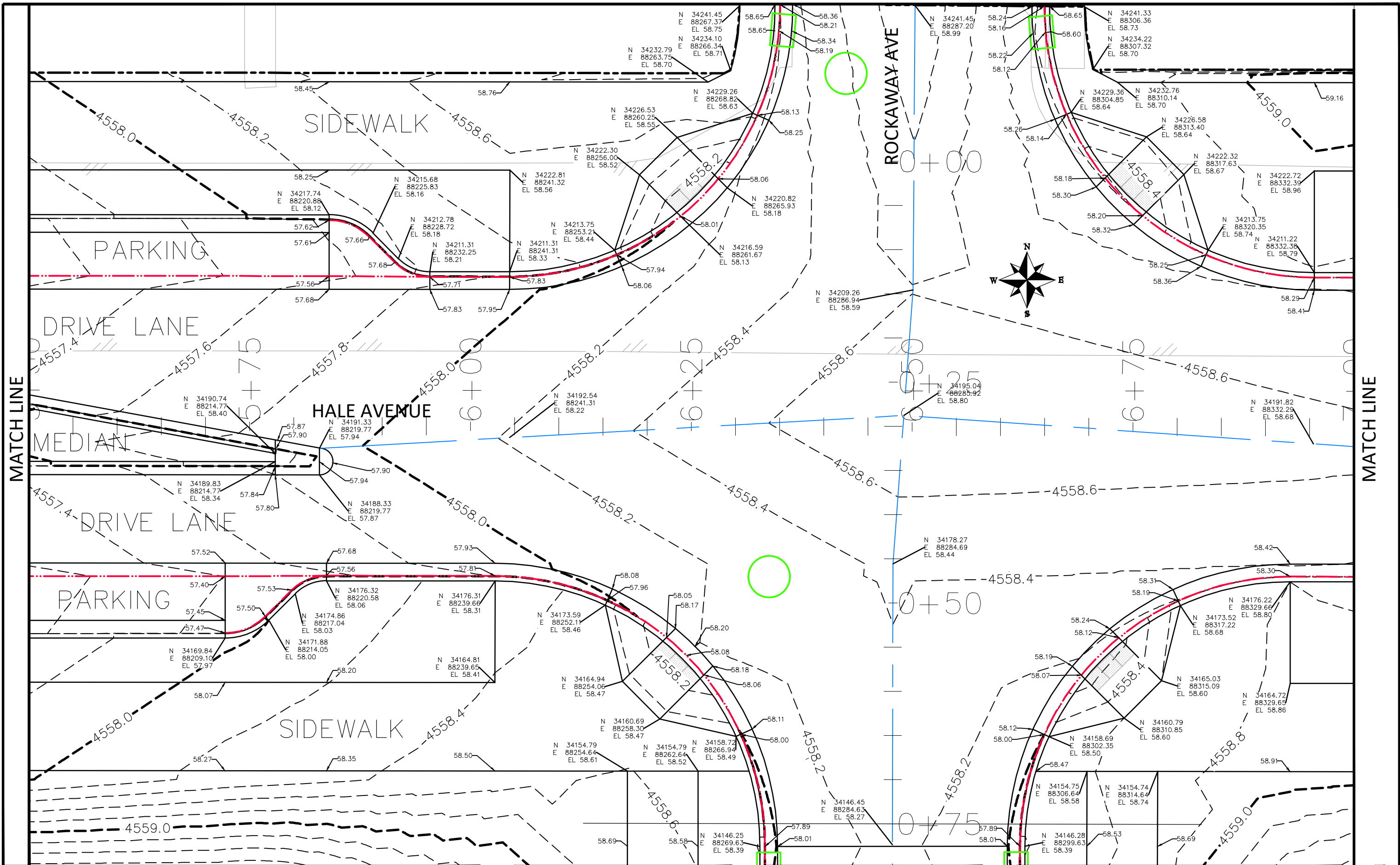
SCALES:	
0	10
HORIZONTAL	
0	NA
VERTICAL	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
STAKING PLAN – ST-4  
June 19, 2020**





REVISION	DESCRIPTION	DATE
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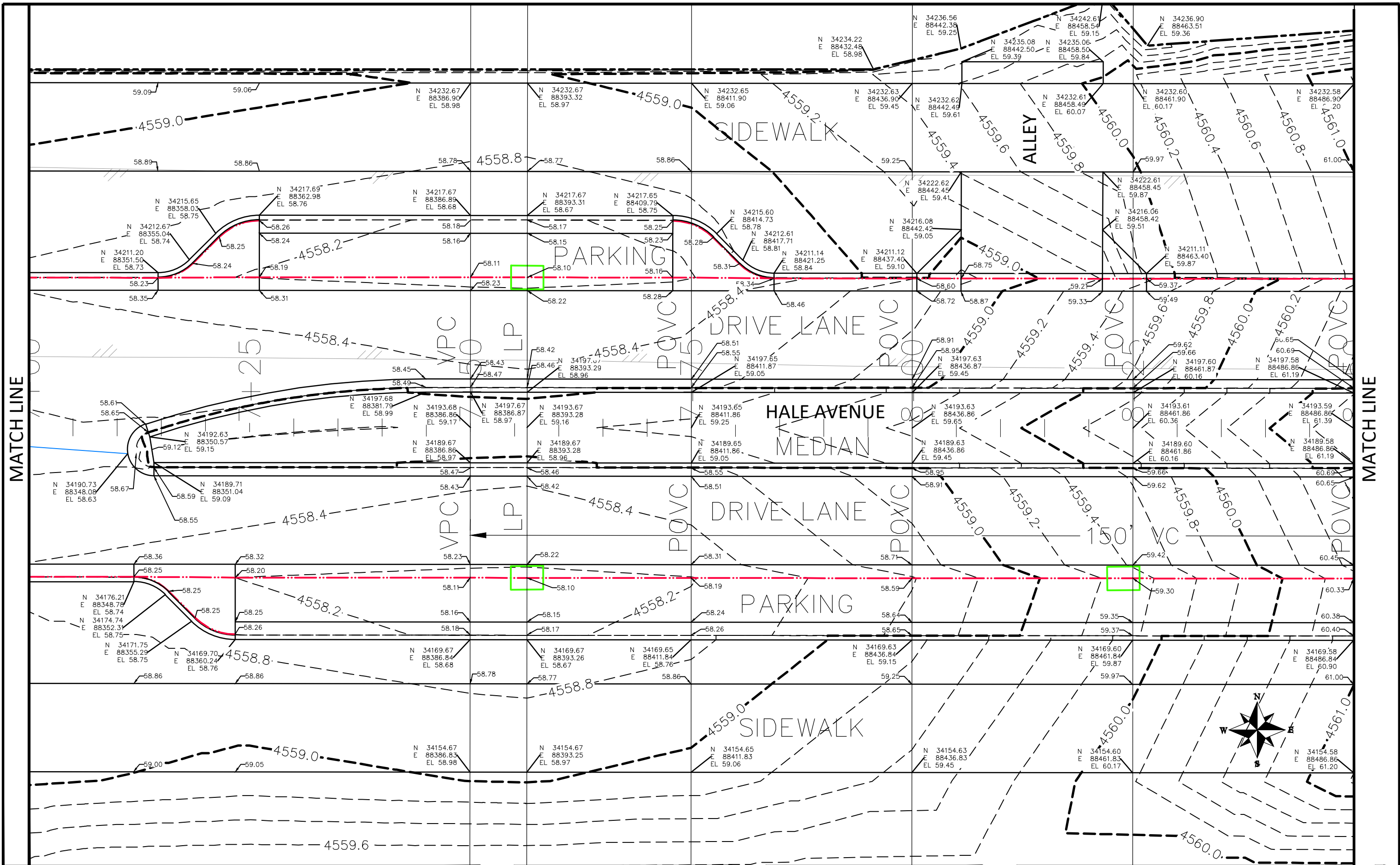
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
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PLAN & PROFILE	
0	10
HORIZONTAL	
0	NA
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-5  
June 19, 2020



MATCH LINE

MATCH LINE

REVISION	DESCRIPTION	DATE
REVISION		
REVISION		
REVISION		
REVISION		

DRAWN BY	DATE
JCS	2019
JCS	2019
BH	2019
ICP	2019

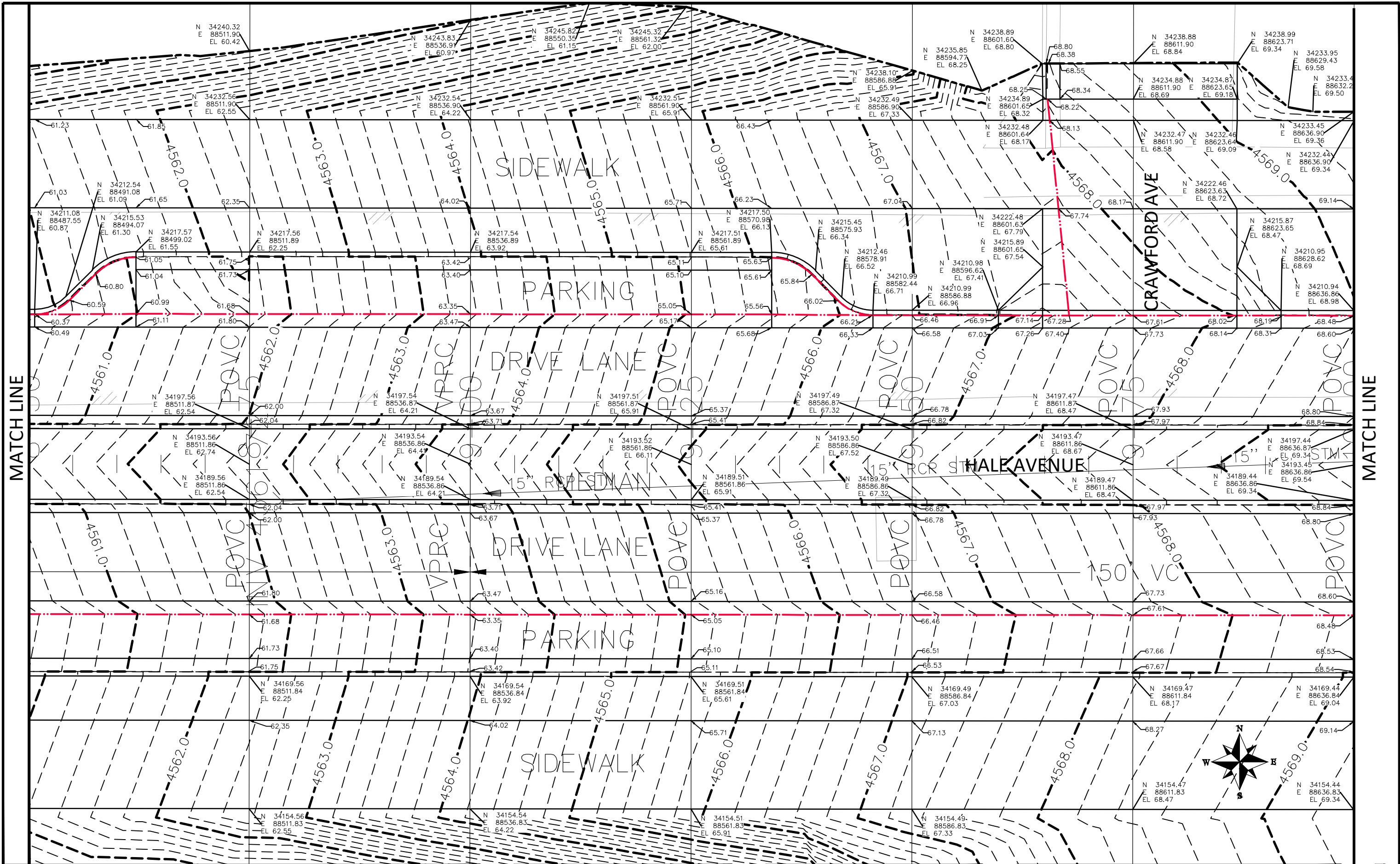
SCALES:
PLAN & PROFILE
0 20' HORIZONTAL 10'
0 NA VERTICAL NA



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-6  
June 19, 2020





MATCH LINE

MATCH LINE

REVISION	DESCRIPTION	DATE
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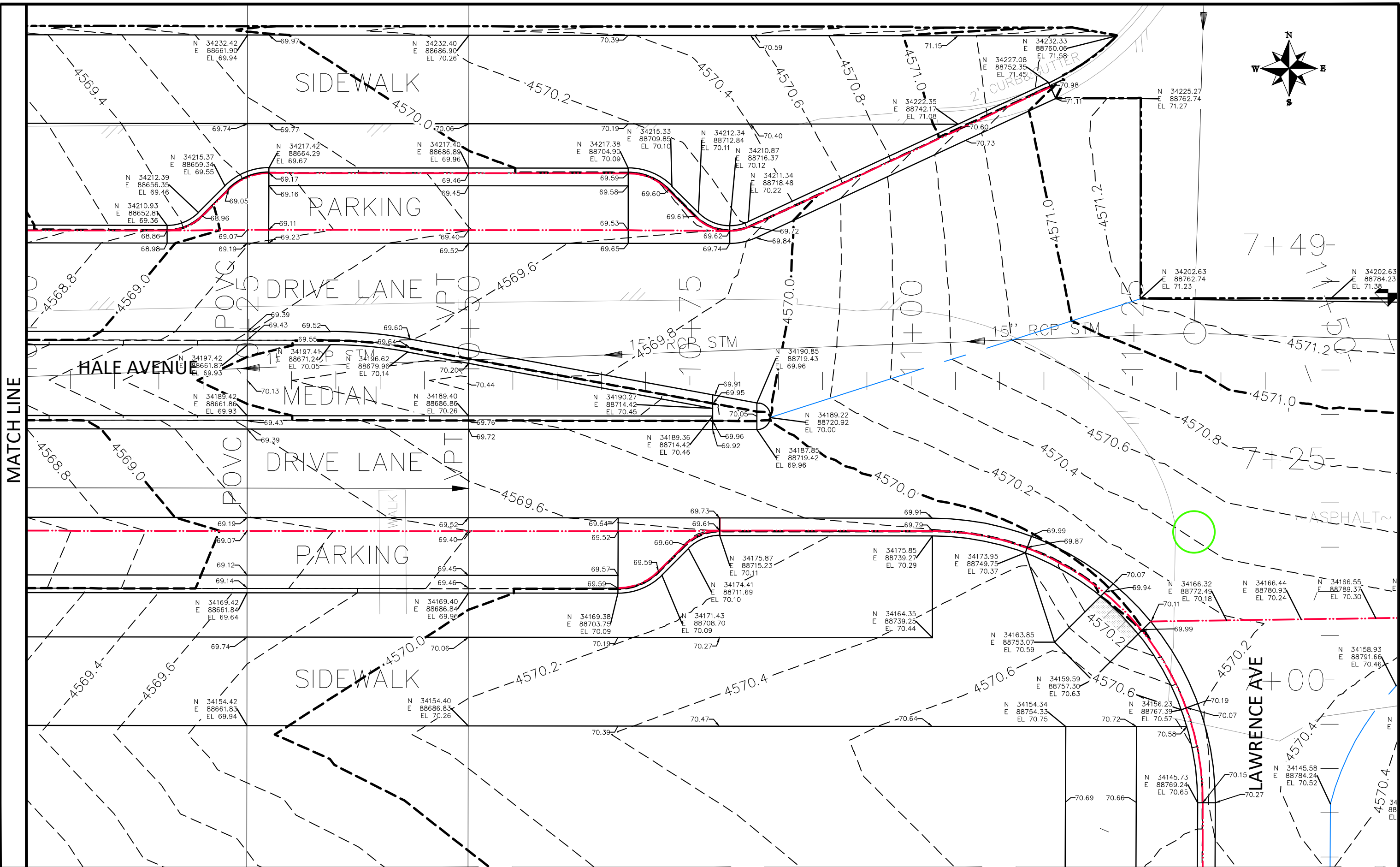
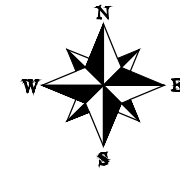
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
0	10
0	NA



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-7  
June 19, 2020



MATCH LINE

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REVISION	DESCRIPTION	DATE
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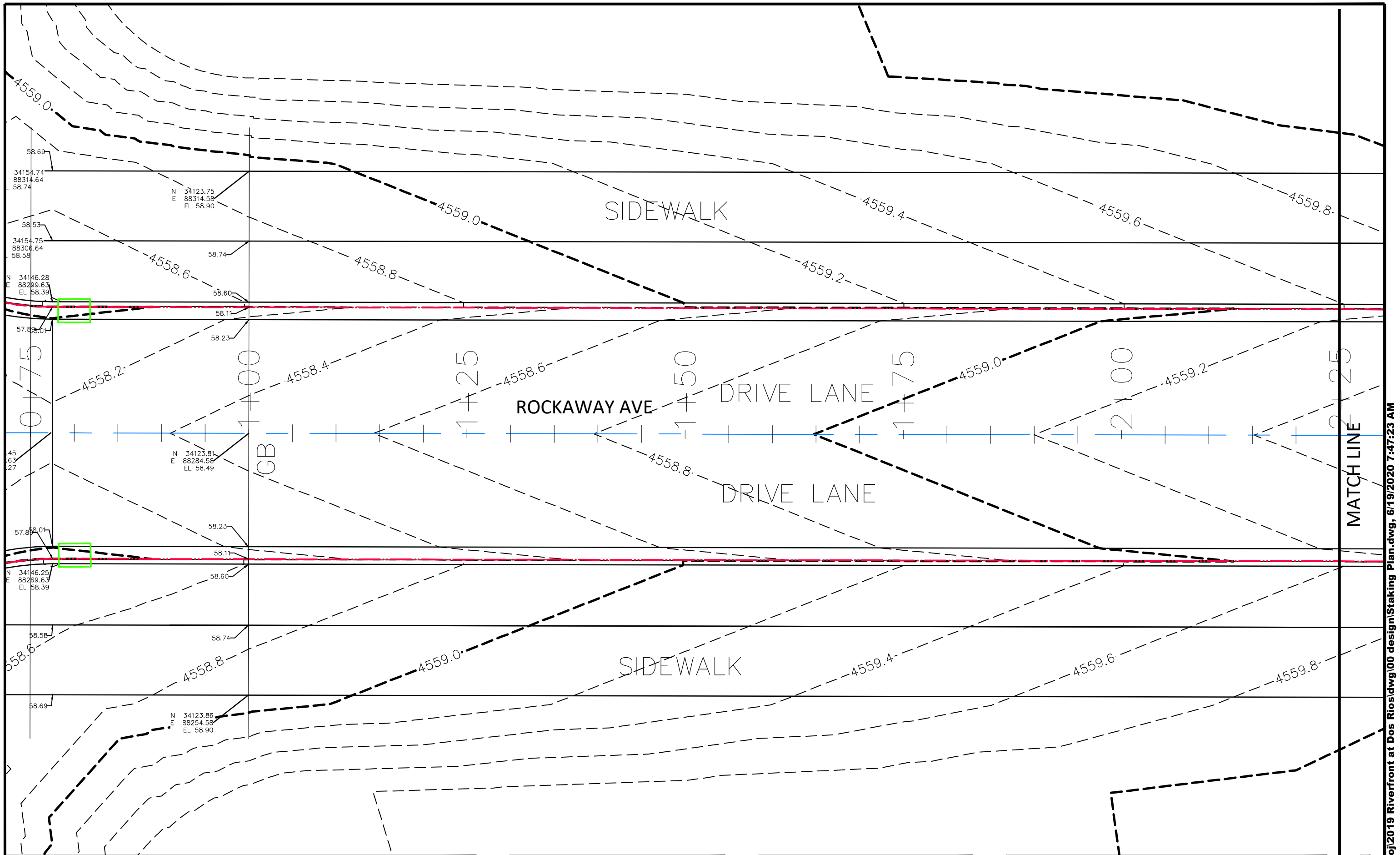
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
0	10
PLAN & PROFILE	
0	10
HORIZONTAL	
0	NA
VERTICAL	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-8  
June 19, 2020**



REVISION	DESCRIPTION	DATE
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DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TPC DATE 2019

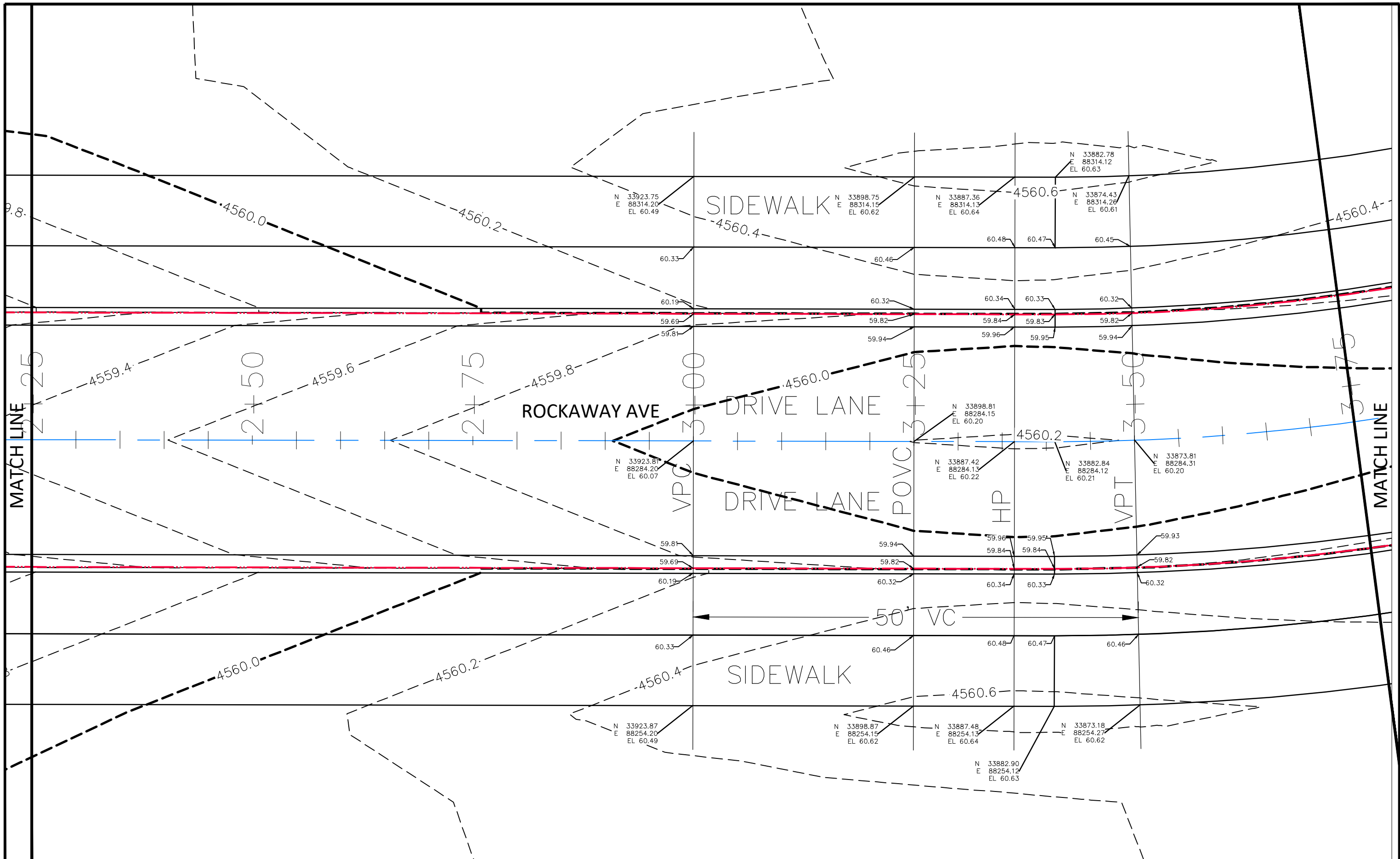
**SCALES:**  
 PLAN & PROFILE  
 0 2.5 10 HORIZONTAL  
 0 NA NA VERTICAL



PUBLIC WORKS  
 ENGINEERING DIVISION

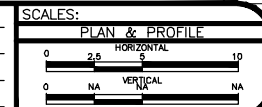
THE RIVERFRONT AT DOS RIOS  
 STAKING PLAN - ST-9  
 June 19, 2020





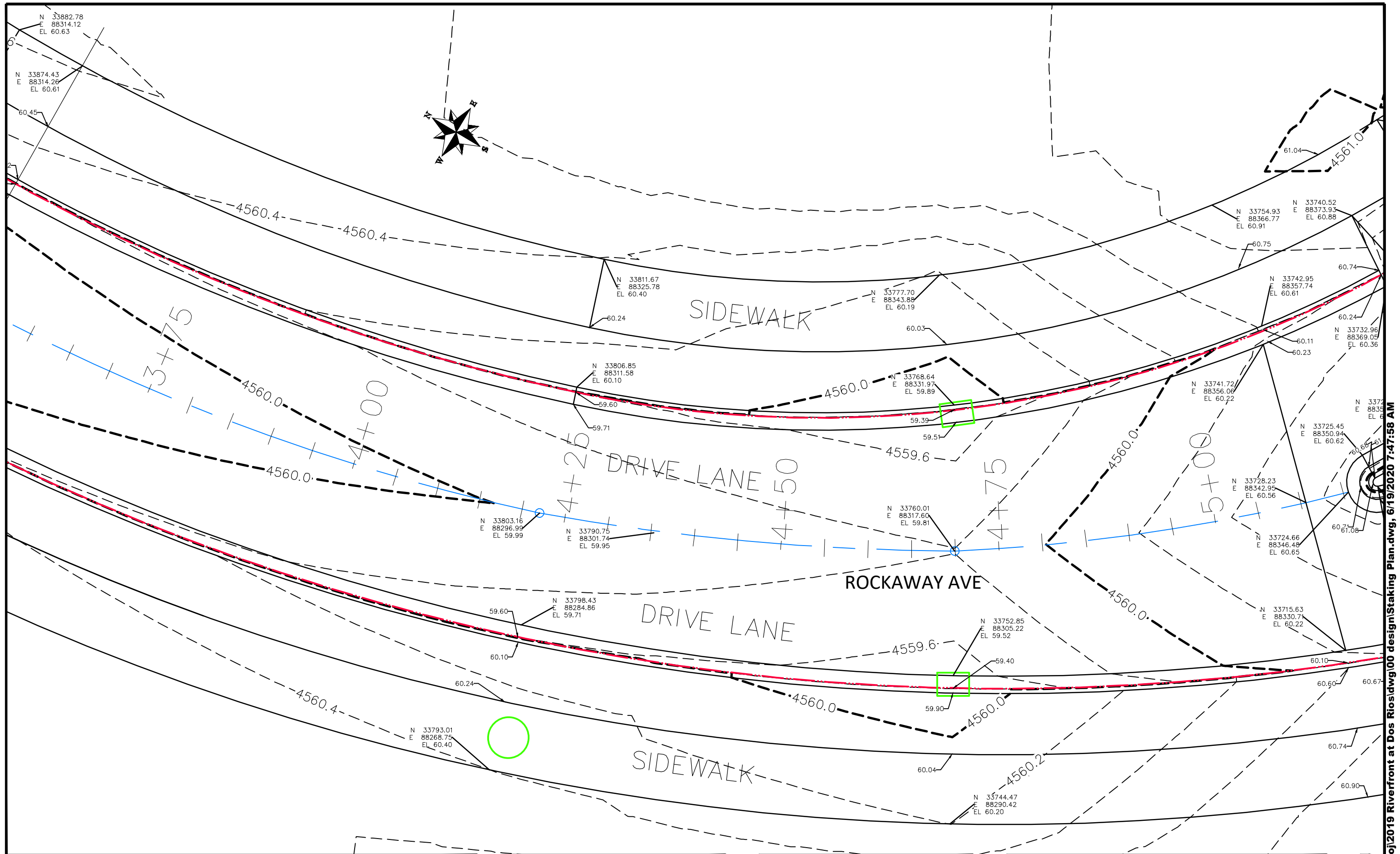
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DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TGP DATE 2019



PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STAKING PLAN - ST-10  
 June 19, 2020



REVISION	DESCRIPTION	DATE
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DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TGP DATE 2019

SCALES:  
 PLAN & PROFILE  
 0 2.5 HORIZONTAL 10  
 0 NA VERTICAL NA

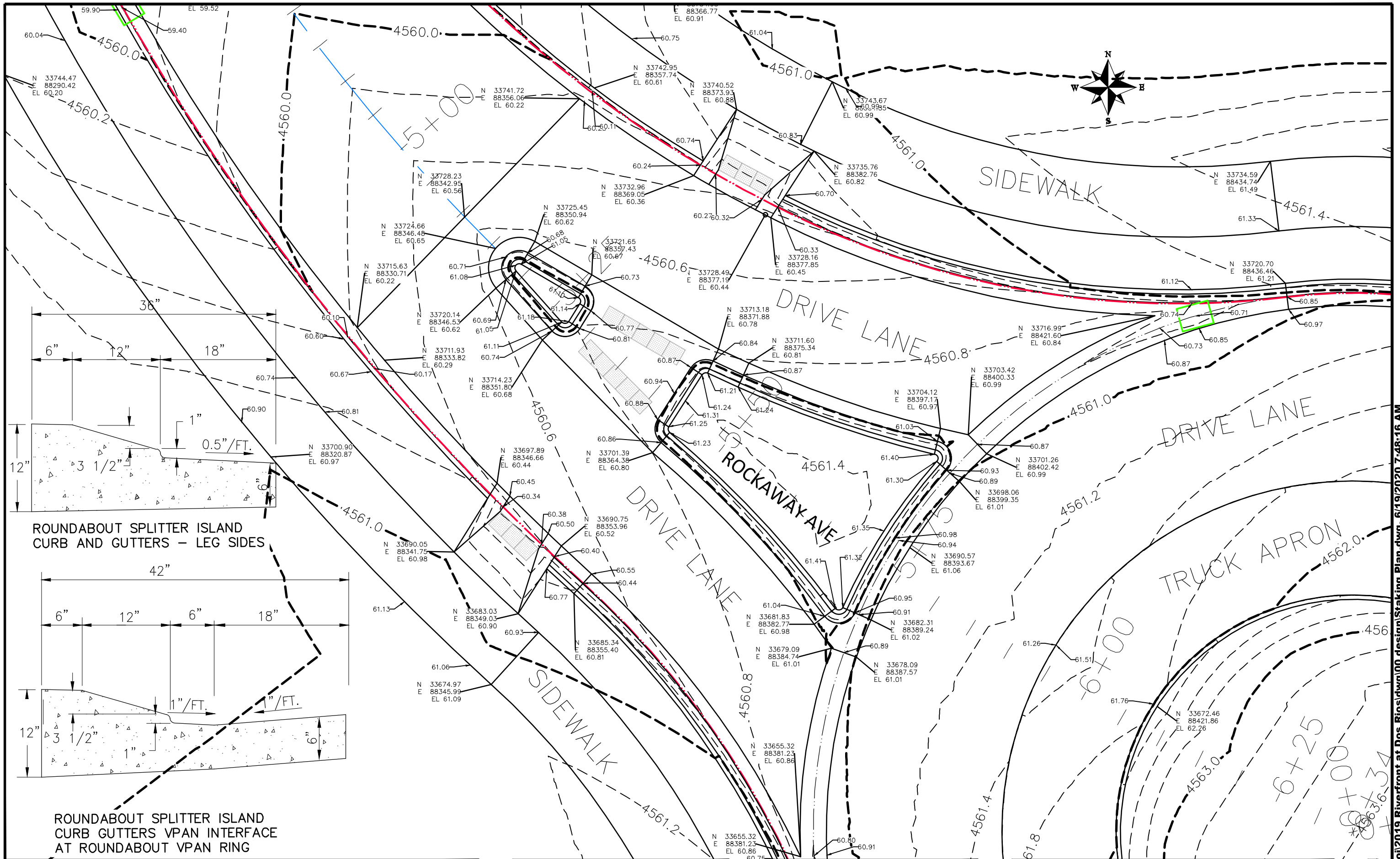


PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STAKING PLAN - ST-11  
 June 19, 2020

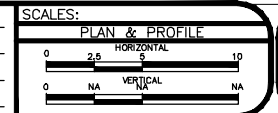
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REVISION	DESCRIPTION	DATE
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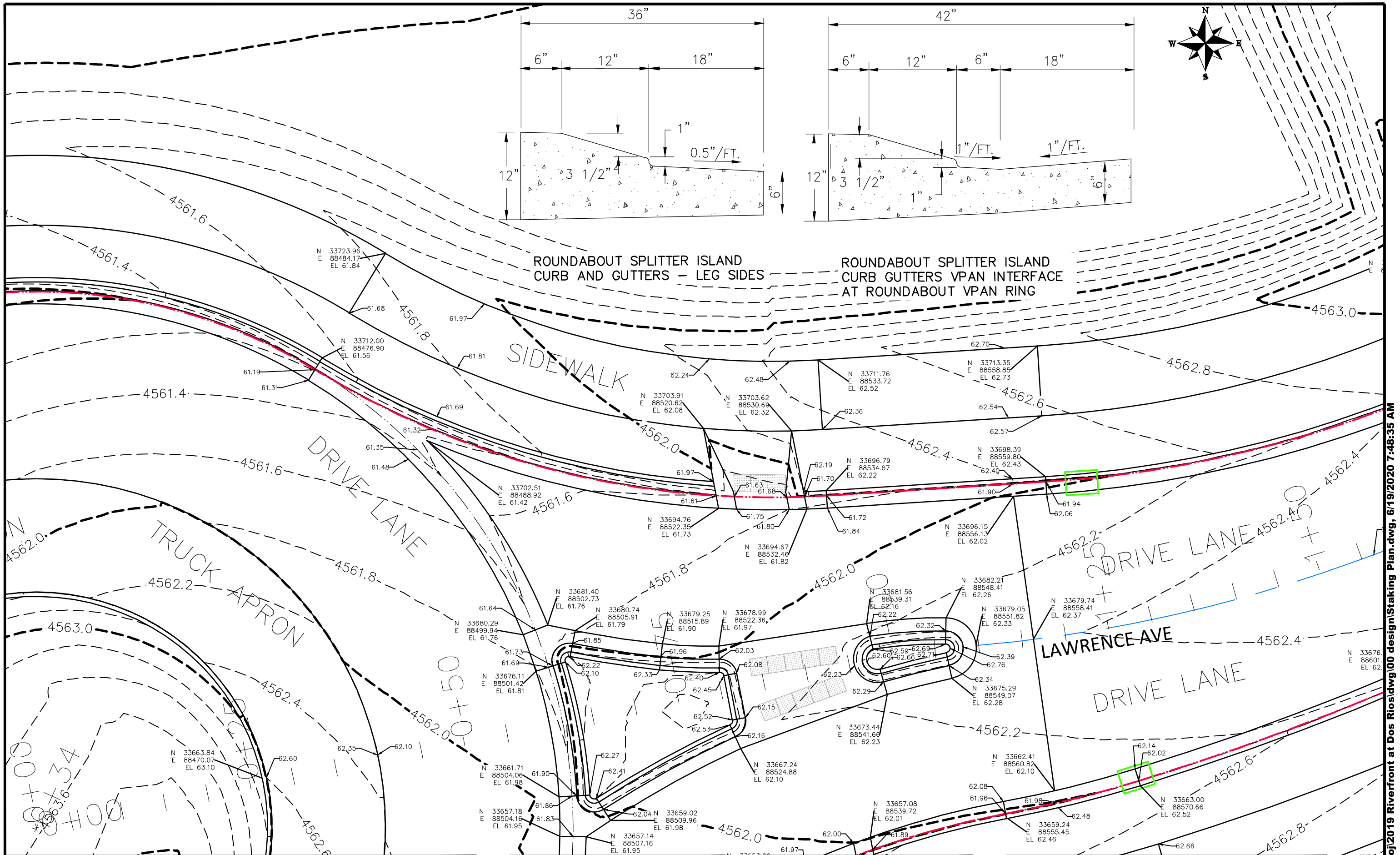
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-12  
June 19, 2020

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REVISION	DESCRIPTION	DATE
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

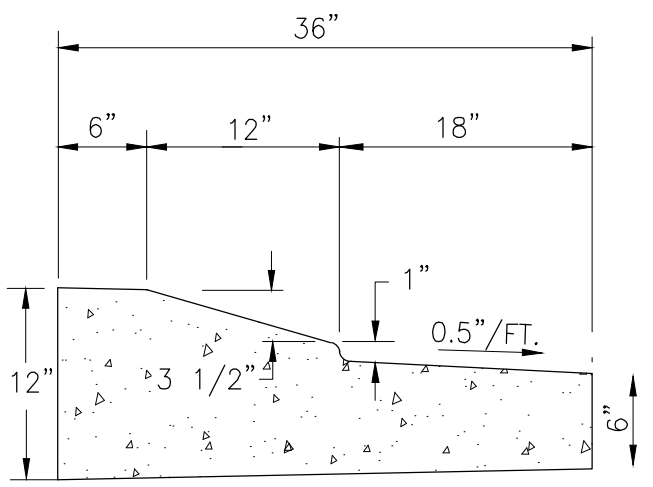
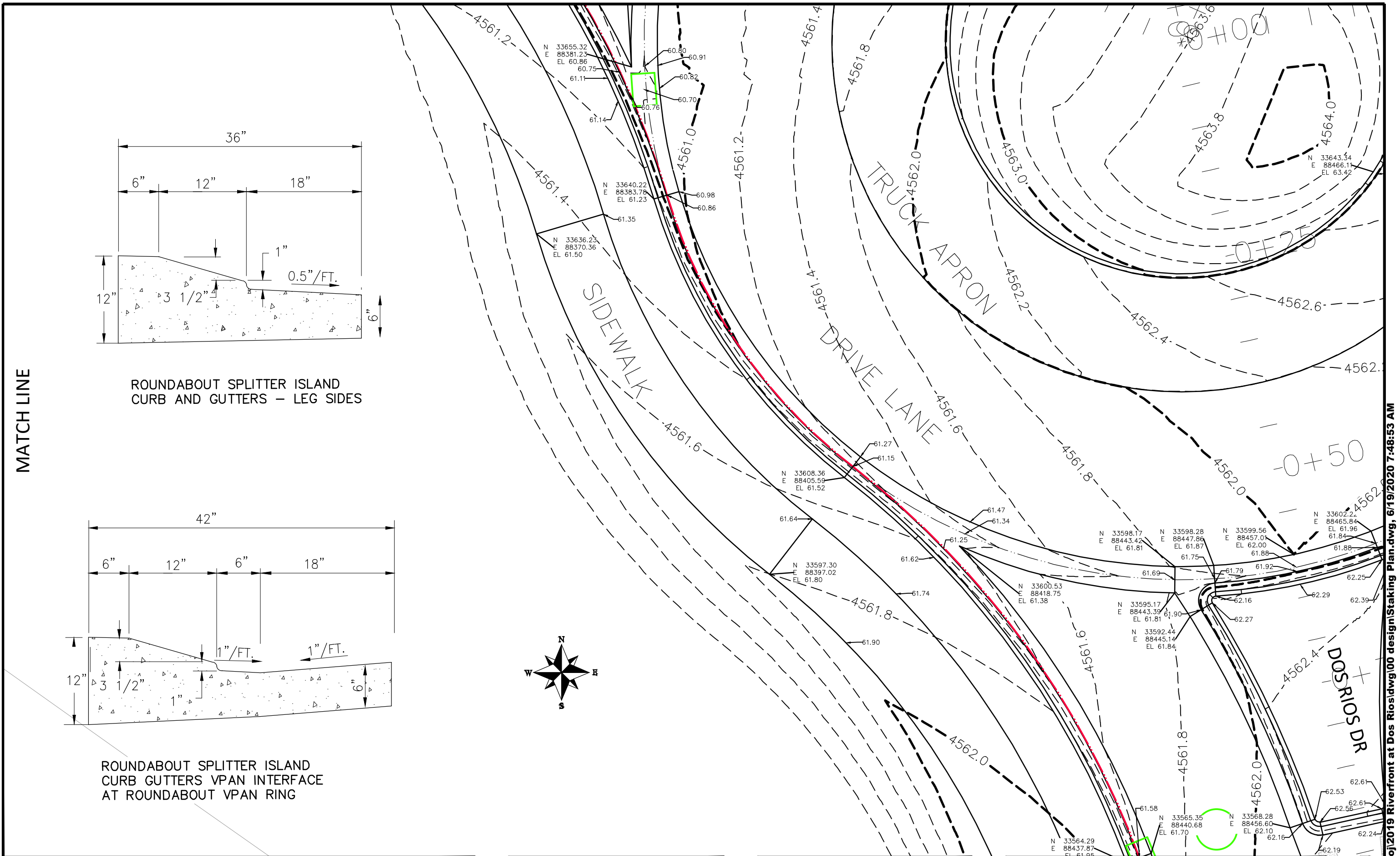
SCALES:	
0	20'
HORIZONTAL	
0	1'
VERTICAL	



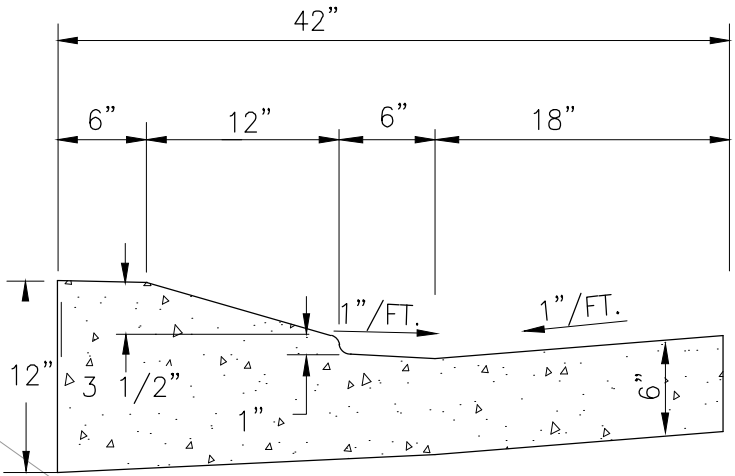
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-13  
June 19, 2020

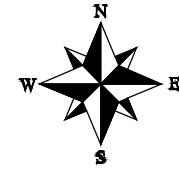
N:\Landproj\2019 Riverfront at Dos Rios\dwg\00 design\Staking Plan.dwg, 6/19/2020 7:48:35 AM



ROUNDBOUT SPLITTER ISLAND  
CURB AND GUTTERS - LEG SIDES



ROUNDBOUT SPLITTER ISLAND  
CURB GUTTERS VPAN INTERFACE  
AT ROUNDBOUT VPAN RING



REVISION	DESCRIPTION	DATE
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DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
0 2.5 10	HORIZONTAL
0 NA NA	VERTICAL

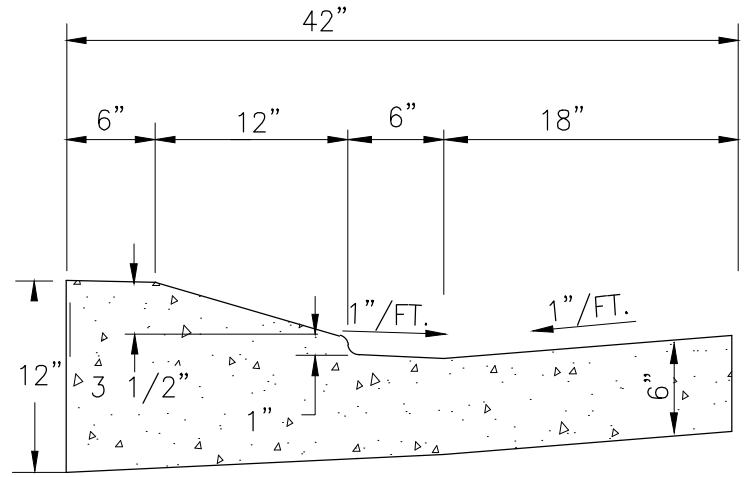
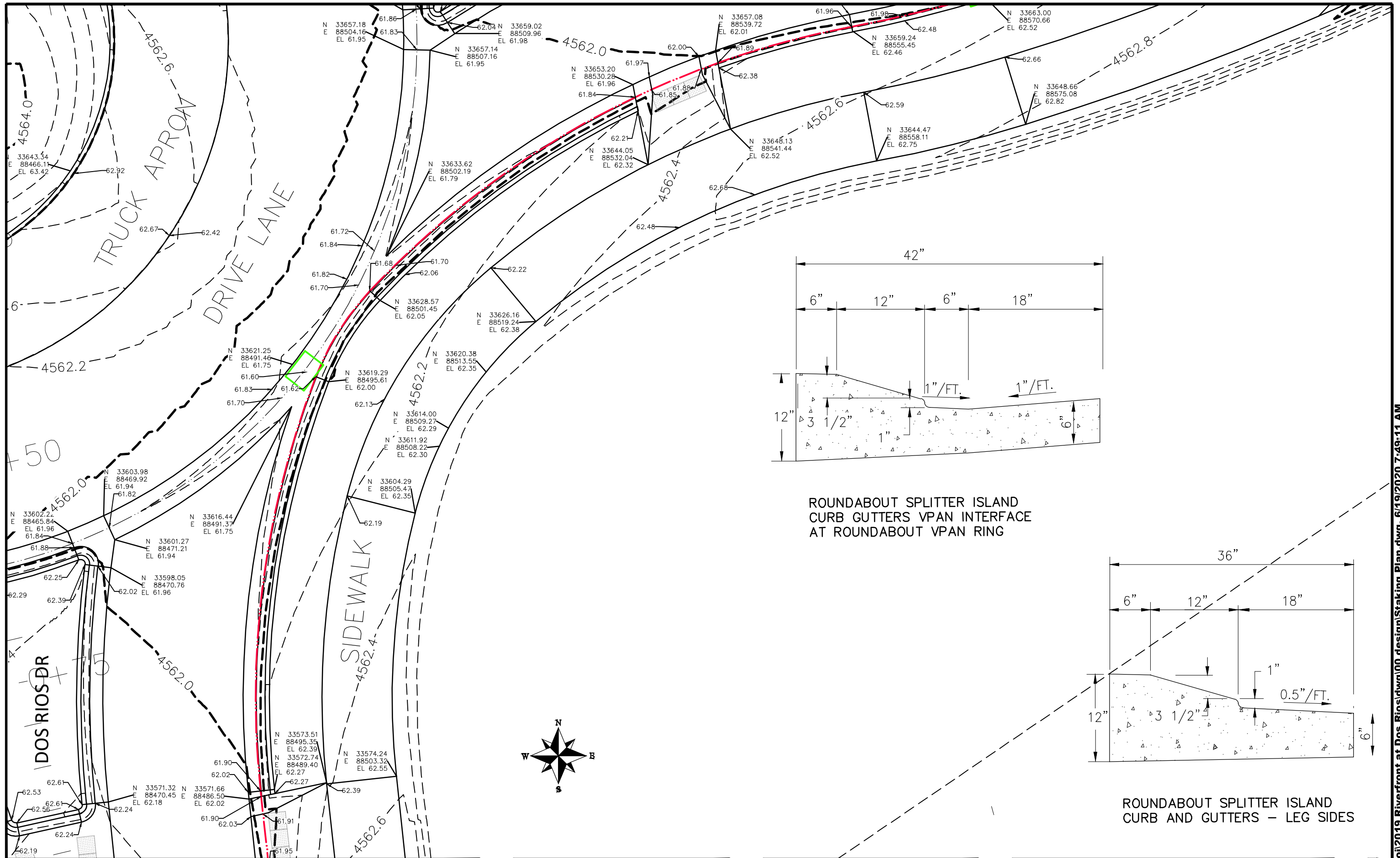


PUBLIC WORKS  
ENGINEERING DIVISION

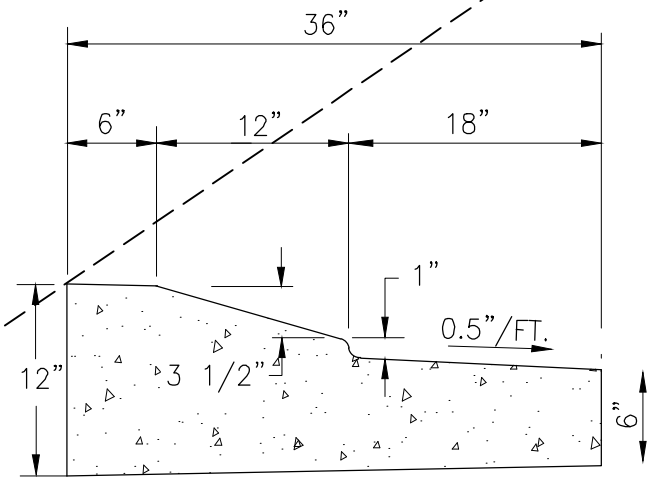
THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-14  
June 19, 2020

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ROUNDBOULT SPLITTER ISLAND CURB GUTTERS VPAN INTERFACE AT ROUNDBOULT VPAN RING



ROUNDBOULT SPLITTER ISLAND CURB AND GUTTERS - LEG SIDES

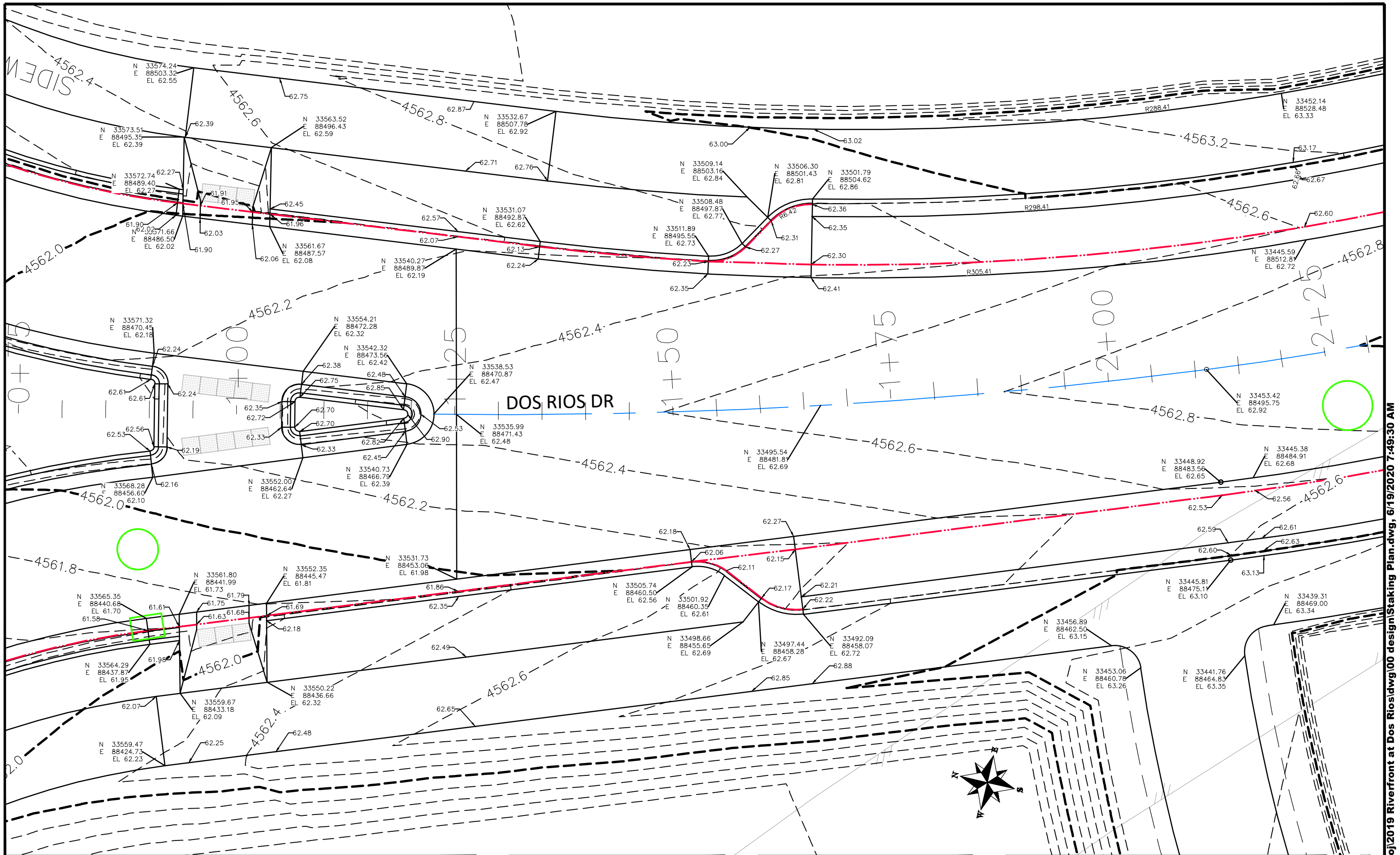
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REVISION			JCS	2019	PLAN & PROFILE
REVISION			JCS	2019	0" = 2.5' HORIZONTAL
REVISION			BH	2019	0" = NA VERTICAL
REVISION			ICP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-15  
June 19, 2020

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REVISION	DESCRIPTION	DATE
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DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
0	10
PLAN & PROFILE	
0	10
HORIZONTAL	
0	NA
VERTICAL	
0	NA

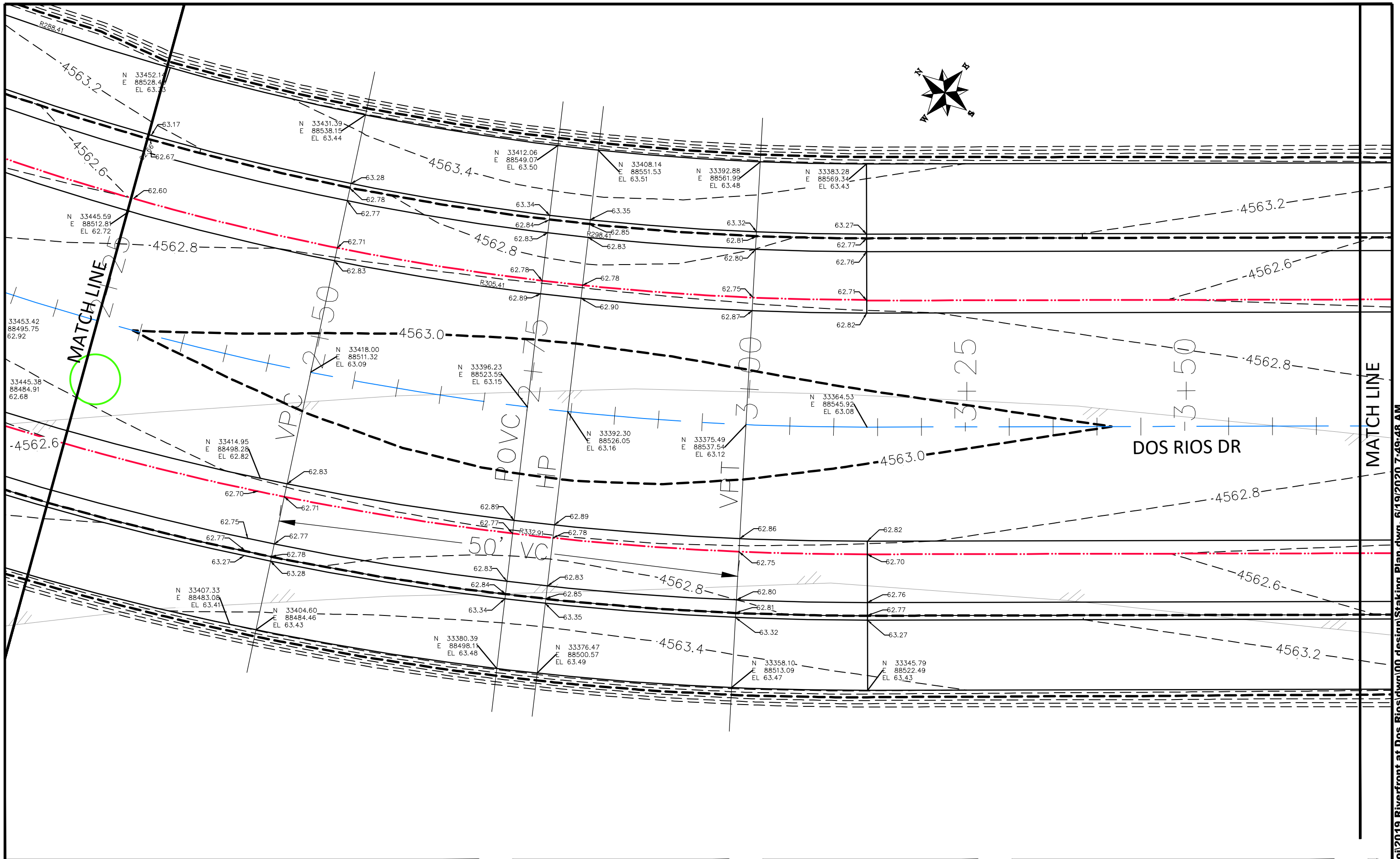


PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-16  
June 19, 2020

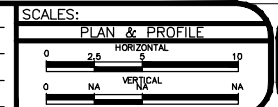
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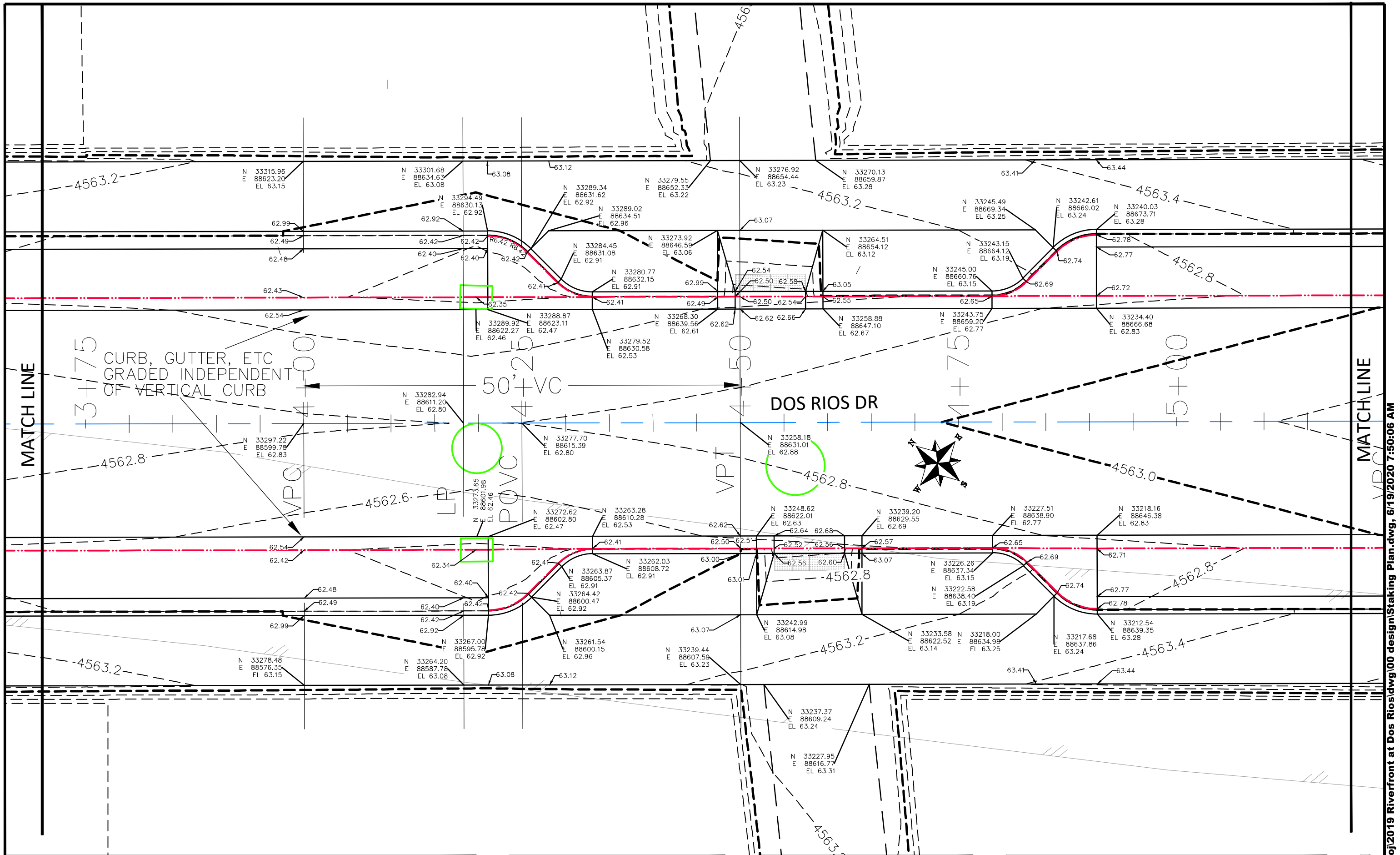
REVISION	DESCRIPTION	DATE
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DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TGP DATE 2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-17  
June 19, 2020



REVISION	DESCRIPTION	DATE
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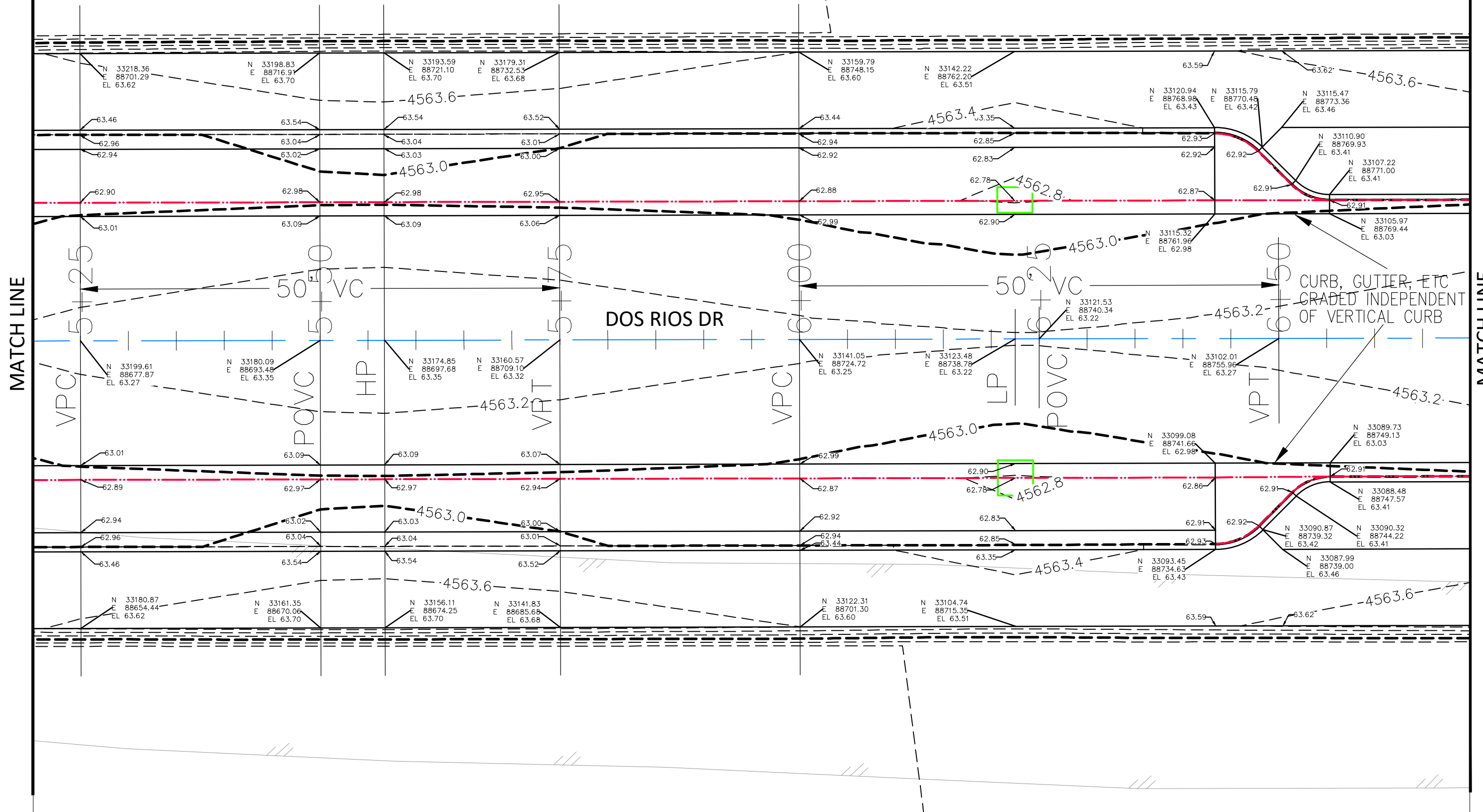
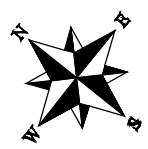
SCALES:	
PLAN & PROFILE	
0 2.5 HORIZONTAL 10	
0 NA VERTICAL NA	



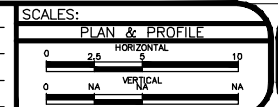
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN – ST-18  
June 19, 2020

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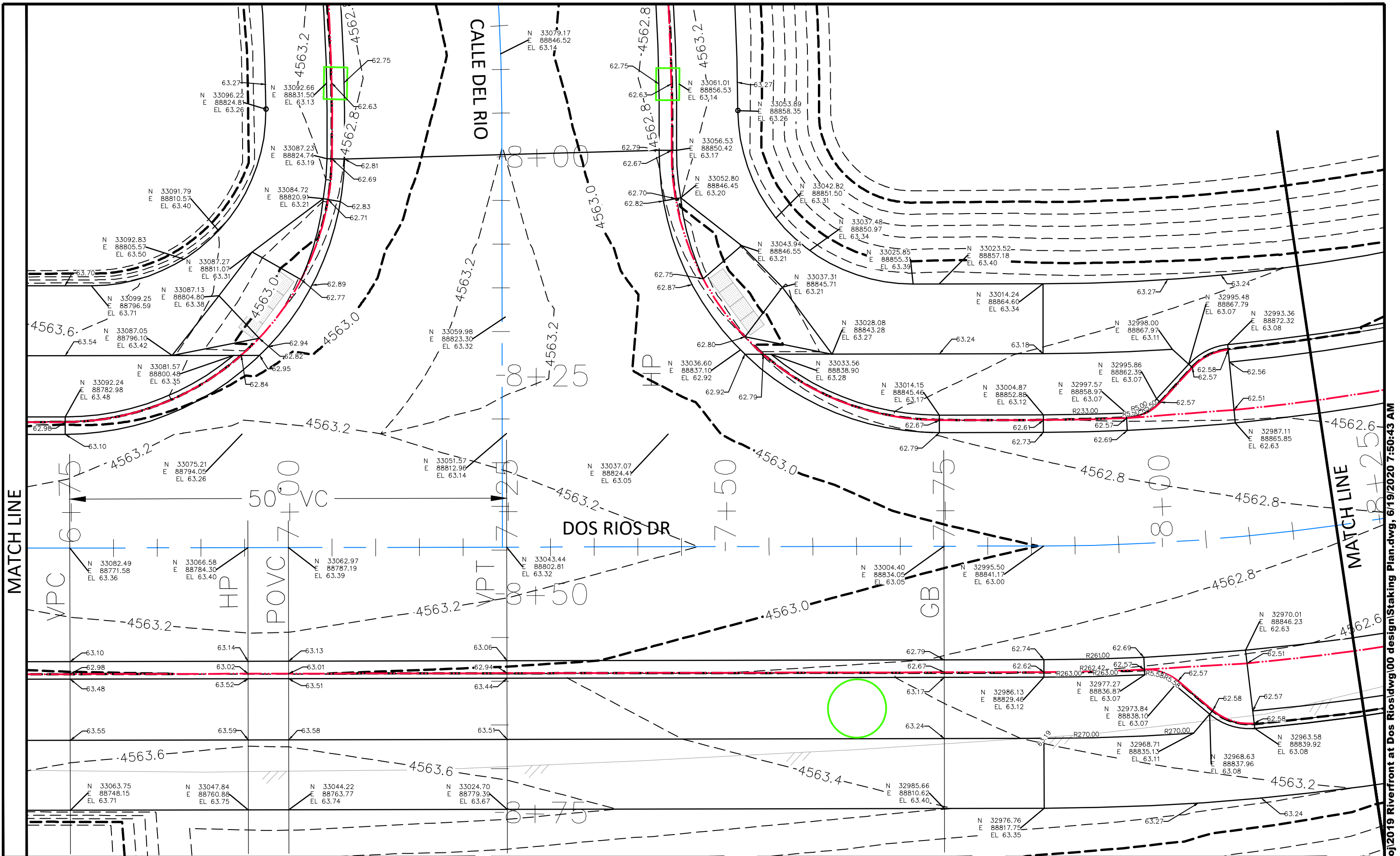


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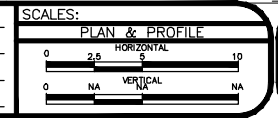
PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STAKING PLAN - ST-19  
 June 19, 2020



REVISION	DESCRIPTION	DATE
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APPROVED BY	ICP	DATE	2019

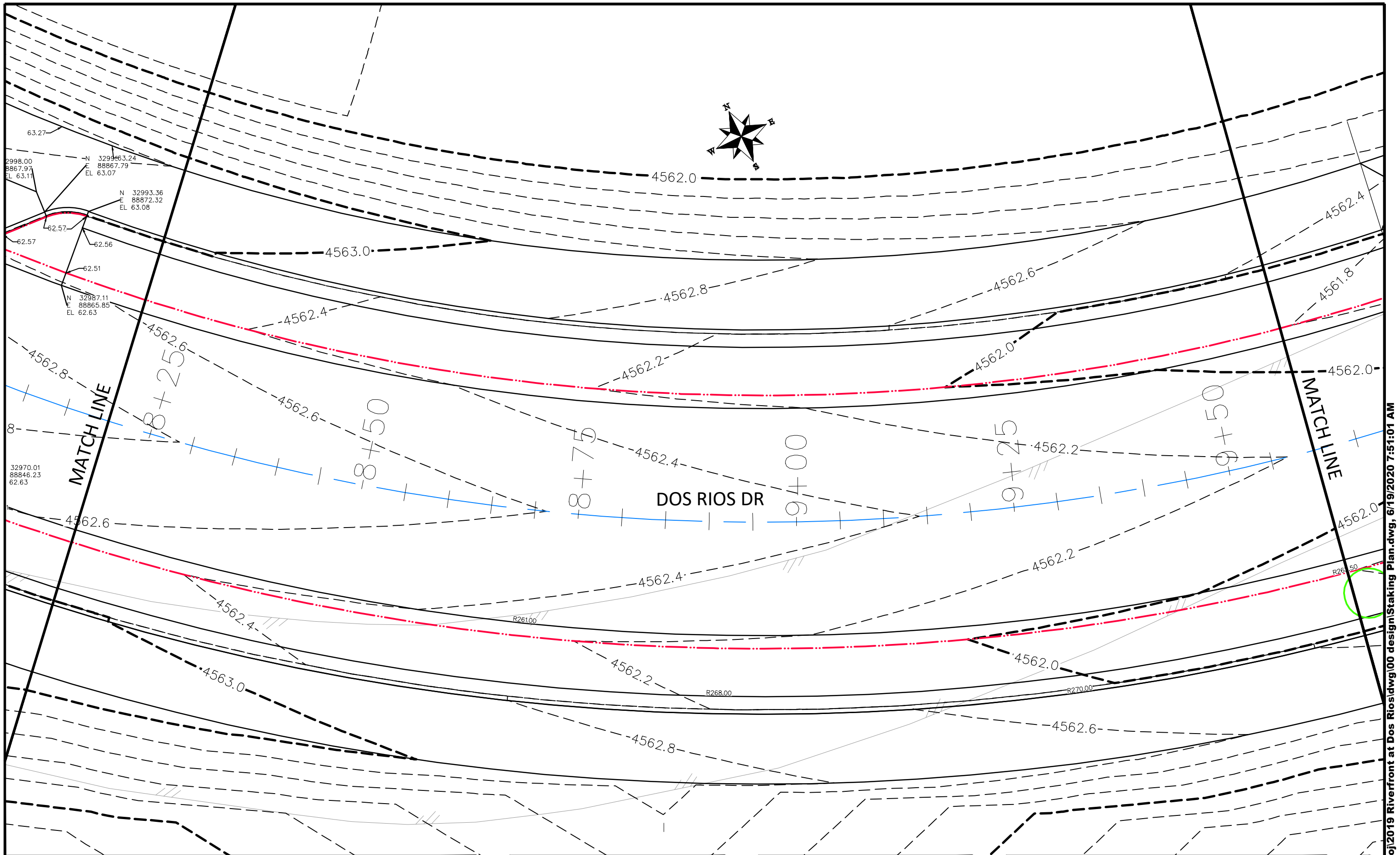


PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-20  
June 19, 2020

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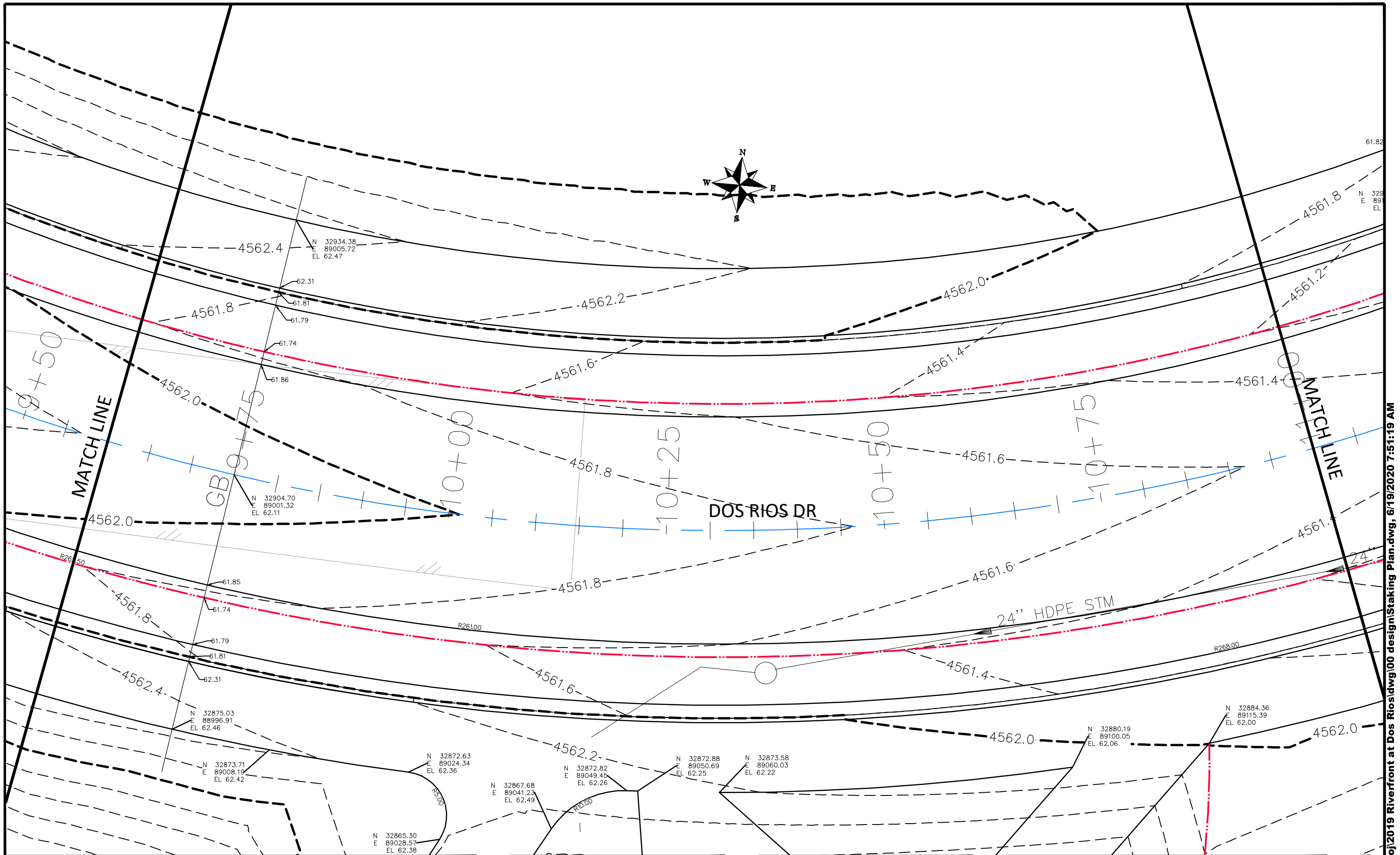
SCALES:	
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HORIZONTAL	
0	NA
VERTICAL	
0	NA



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-21  
June 19, 2020**





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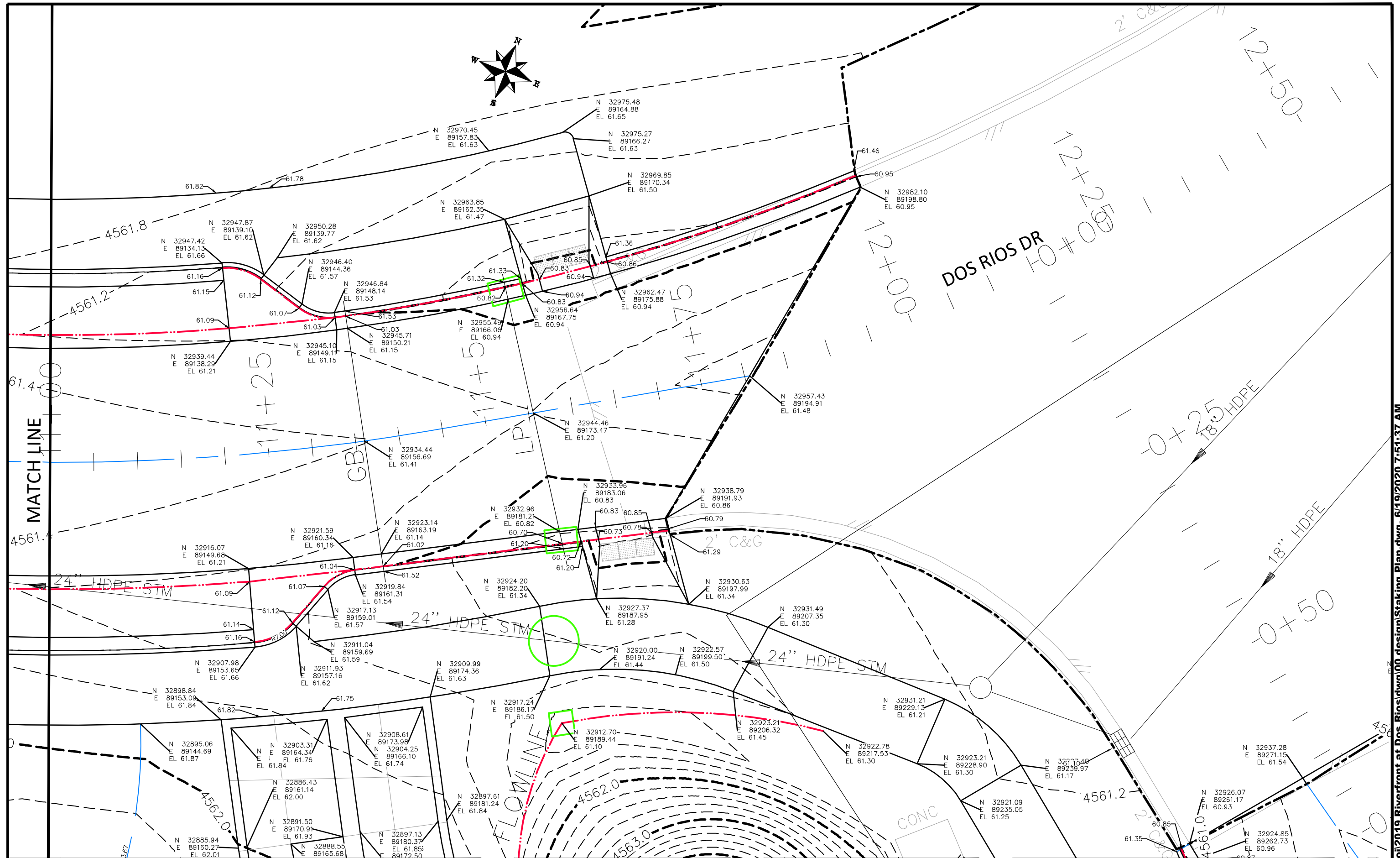
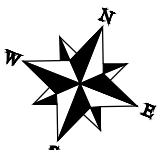
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
0	10
HORIZONTAL	
0	NA
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-22  
June 19, 2020



REVISION	DESCRIPTION	DATE
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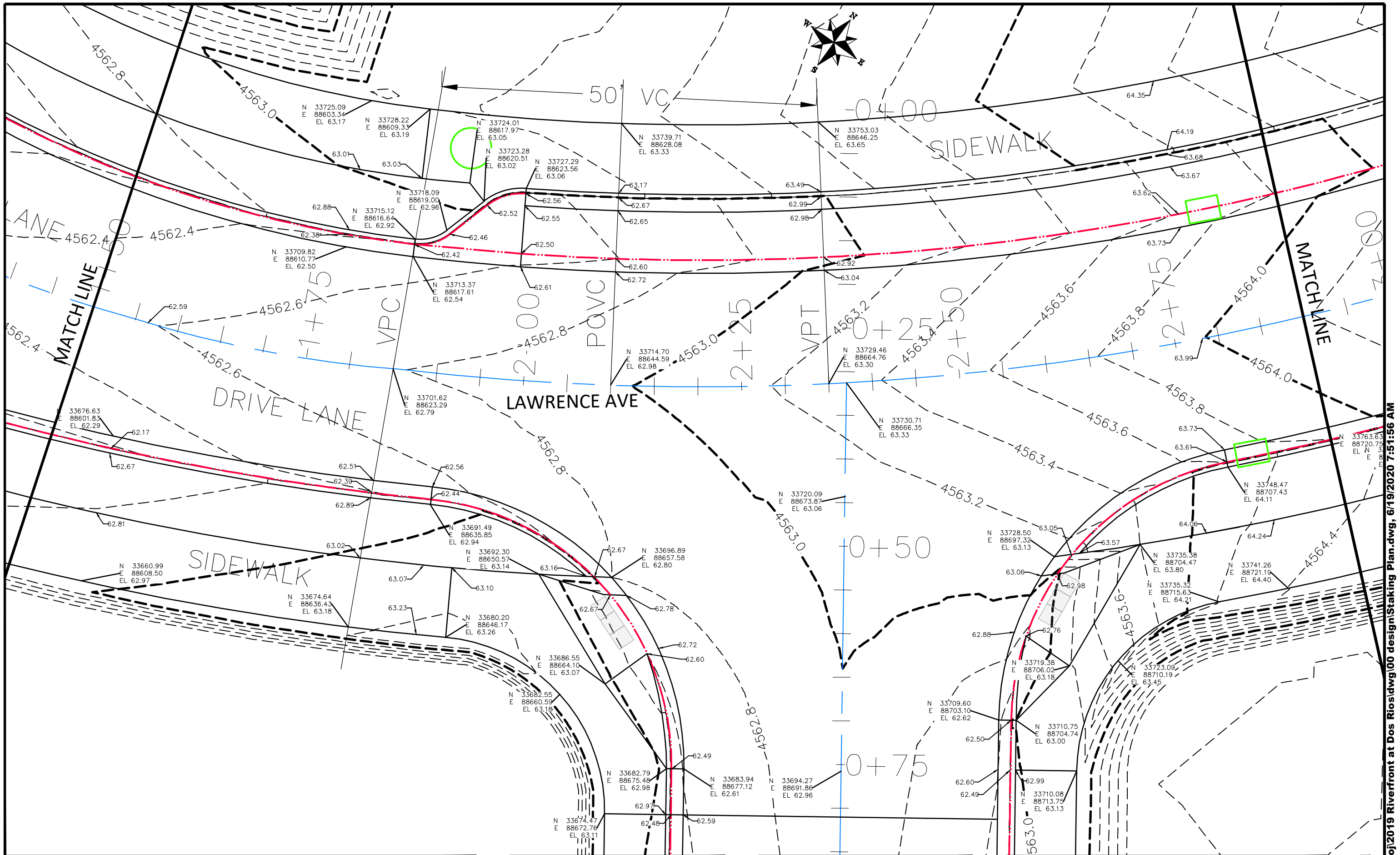
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
PLAN & PROFILE	
0 2.5 HORIZONTAL 10	
0 NA VERTICAL NA	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-23  
June 19, 2020



REVISION	DESCRIPTION	DATE
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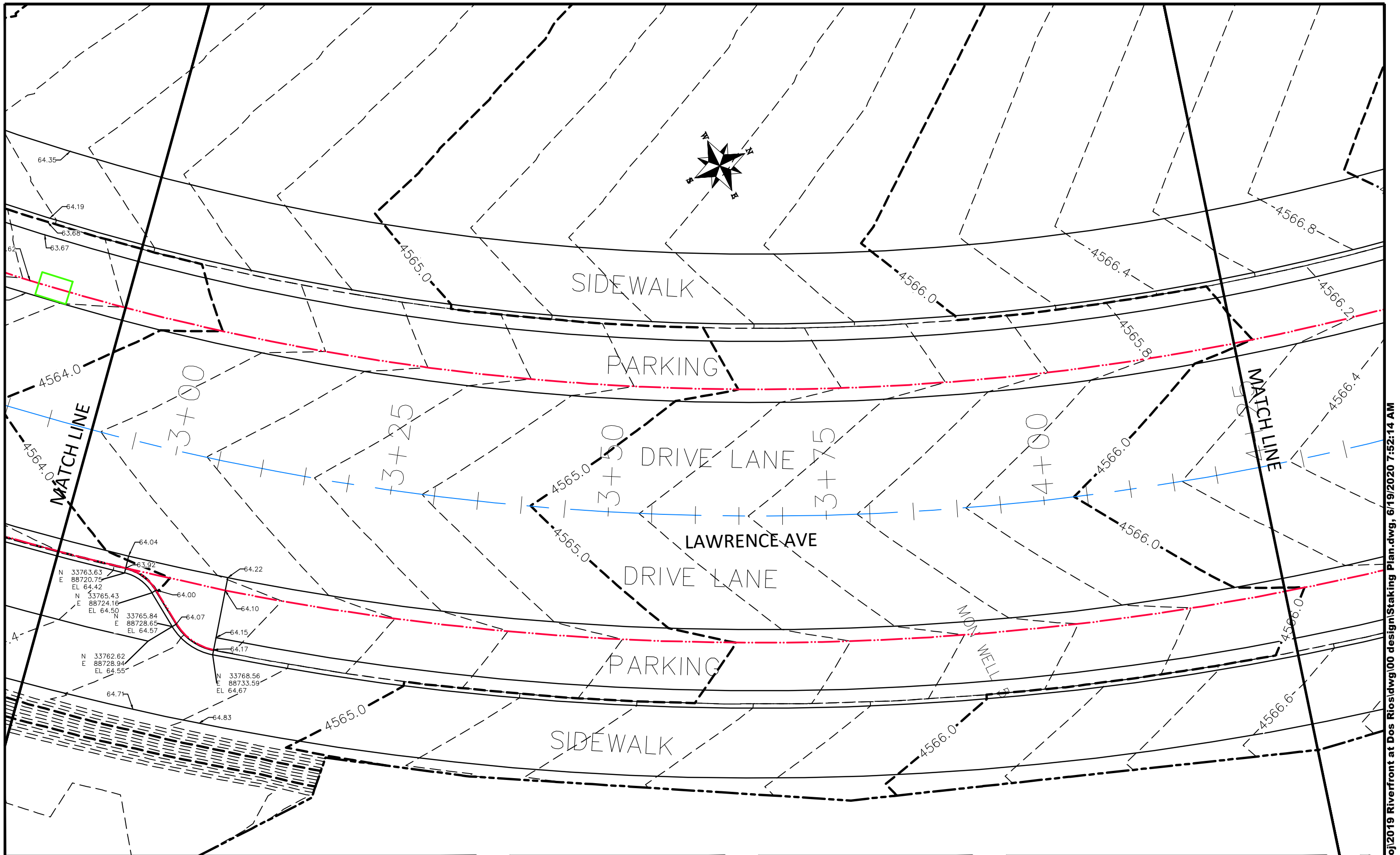
SCALES:	
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PLAN & PROFILE	
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HORIZONTAL	
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VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

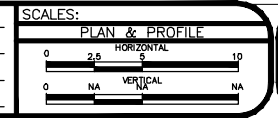
THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-24  
June 19, 2020





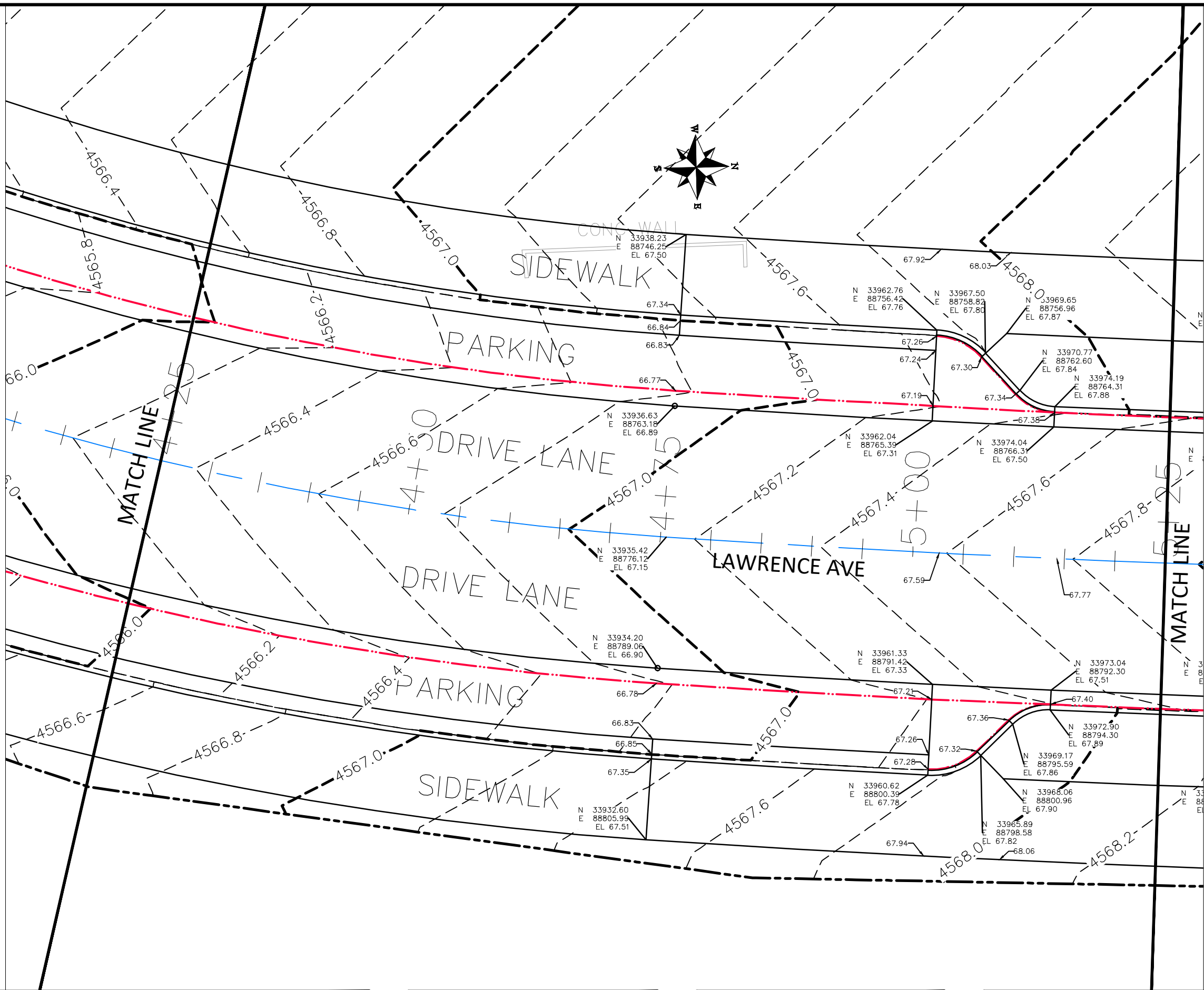
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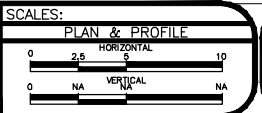
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-25  
June 19, 2020



REVISION	DESCRIPTION	DATE
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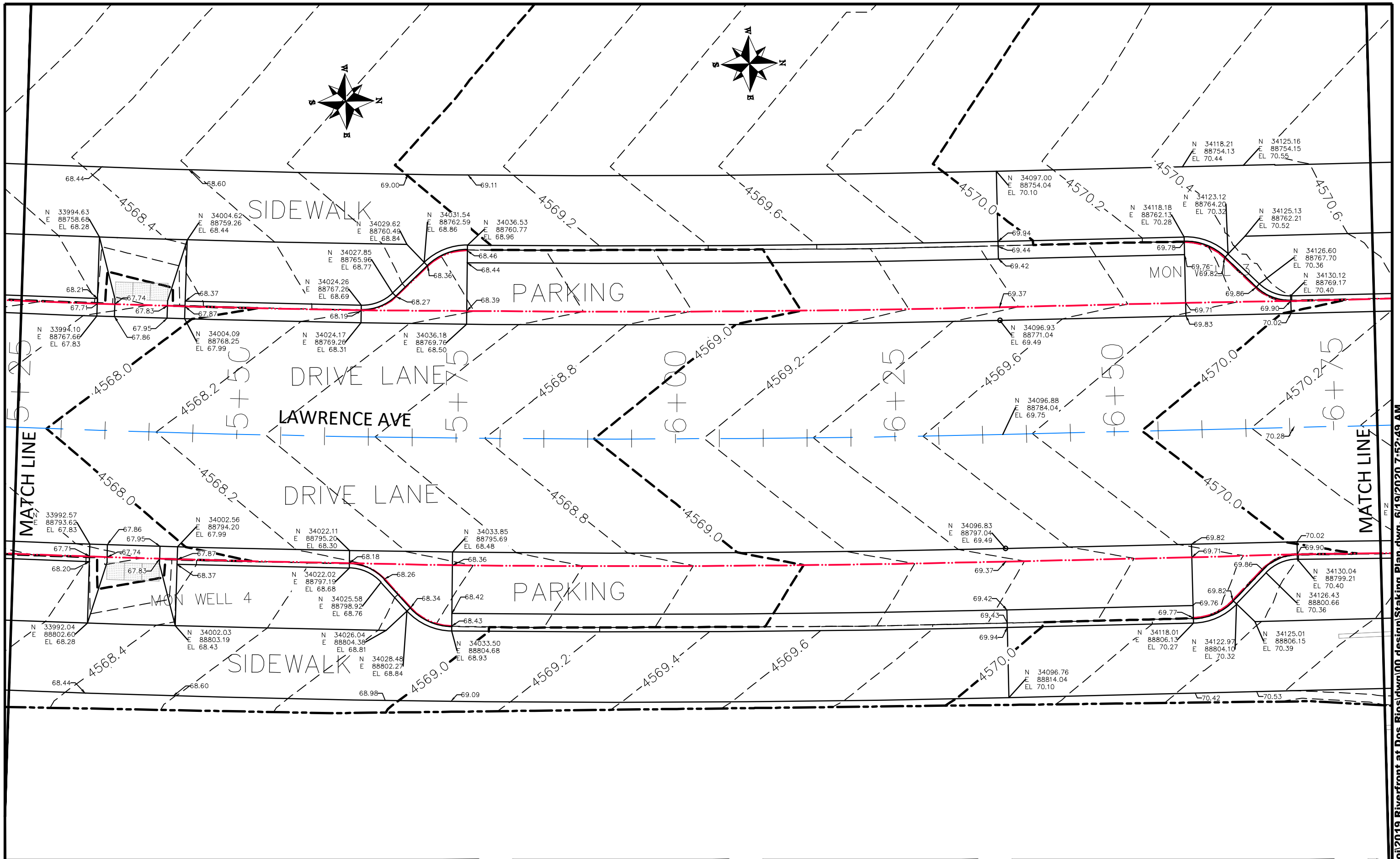
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PUBLIC WORKS  
ENGINEERING DIVISION

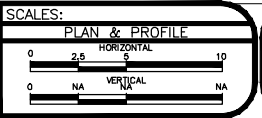
THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-26  
June 19, 2020





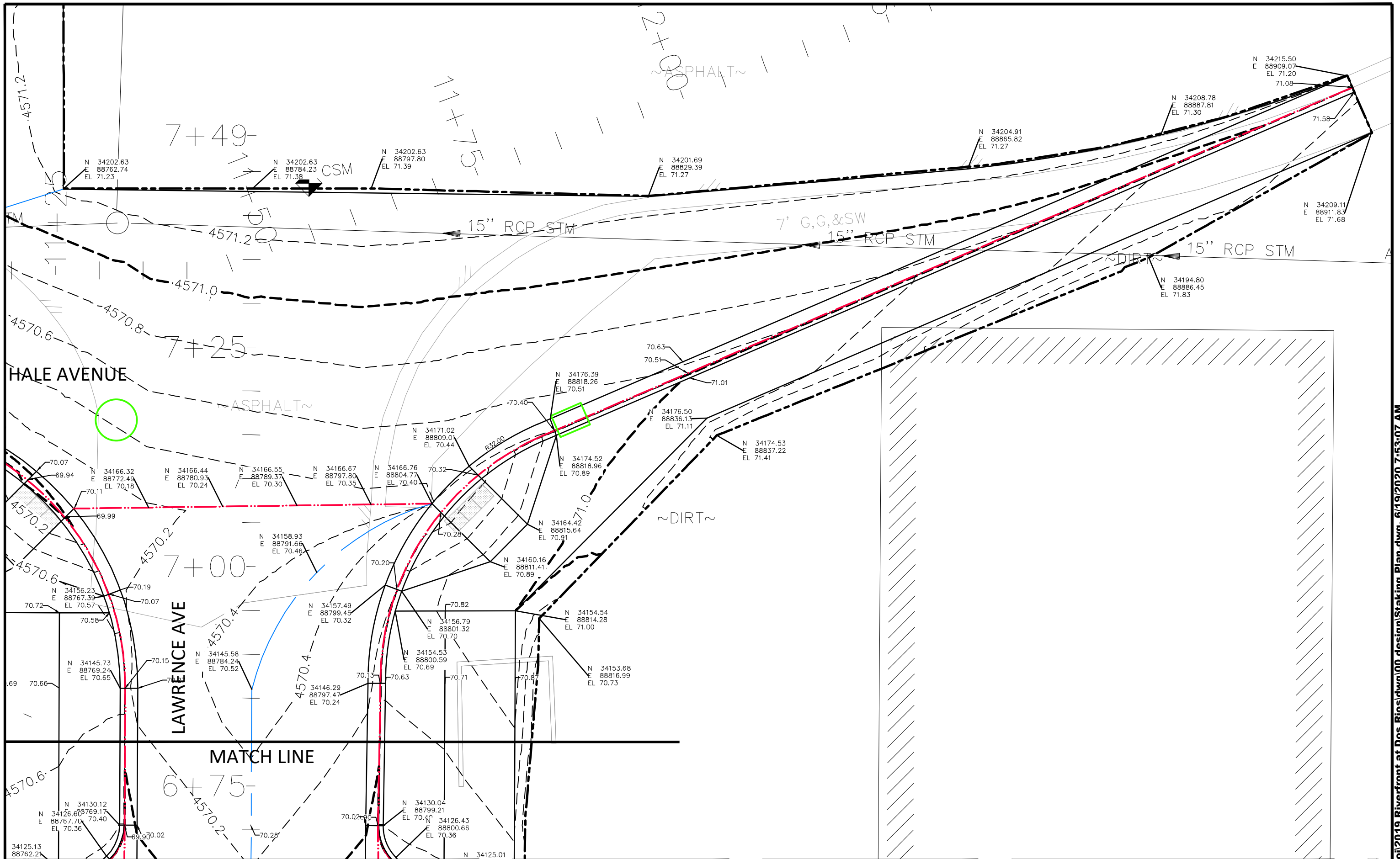
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-27  
June 19, 2020



REVISION	DESCRIPTION	DATE
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DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:
PLAN & PROFILE
0 2.5 HORIZONTAL 10
0 NA VERTICAL NA

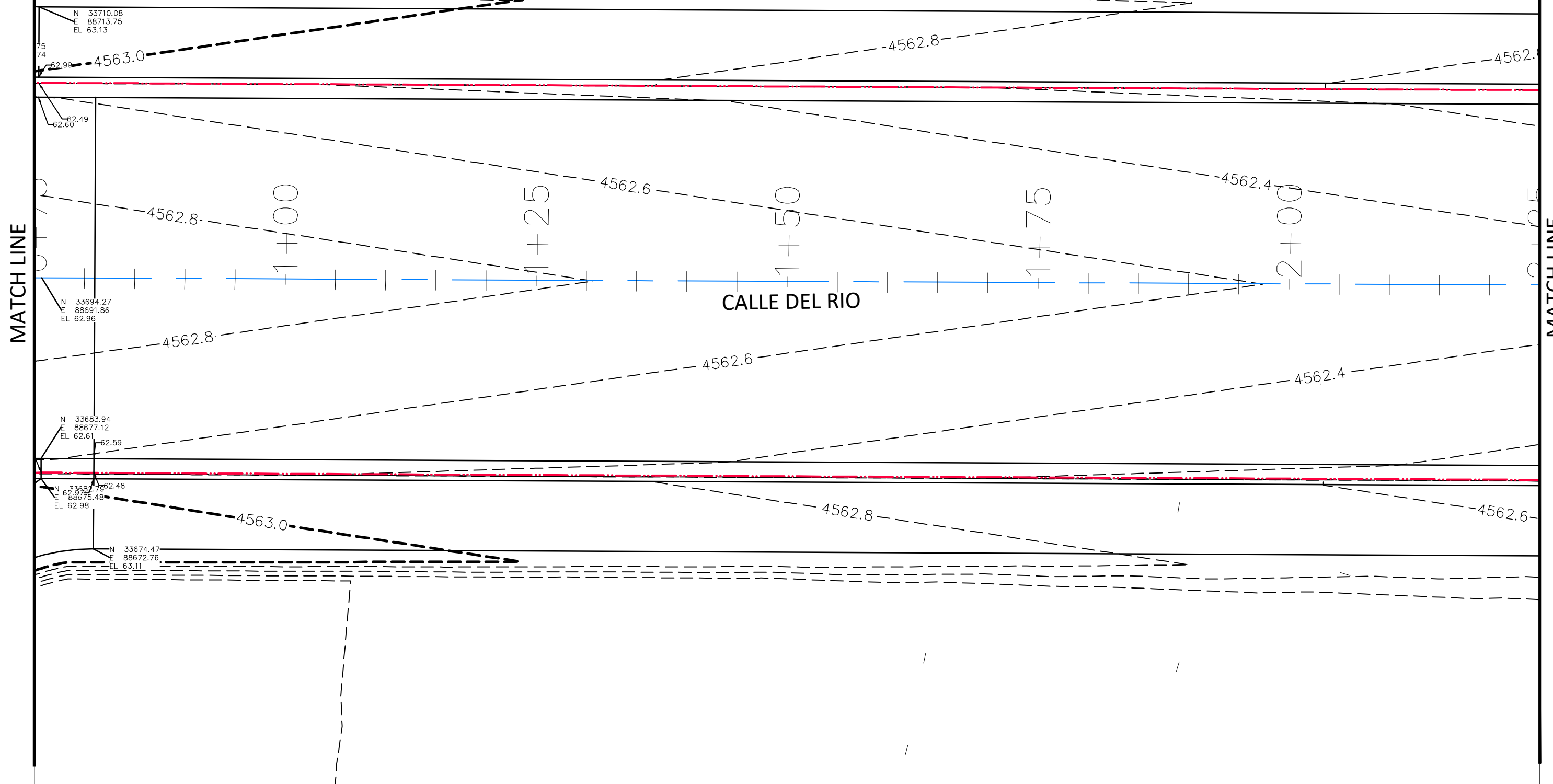


PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-28  
June 19, 2020

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MON WELL 10



MATCH LINE

MATCH LINE

CALLE DEL RIO

REVISION	DESCRIPTION	DATE
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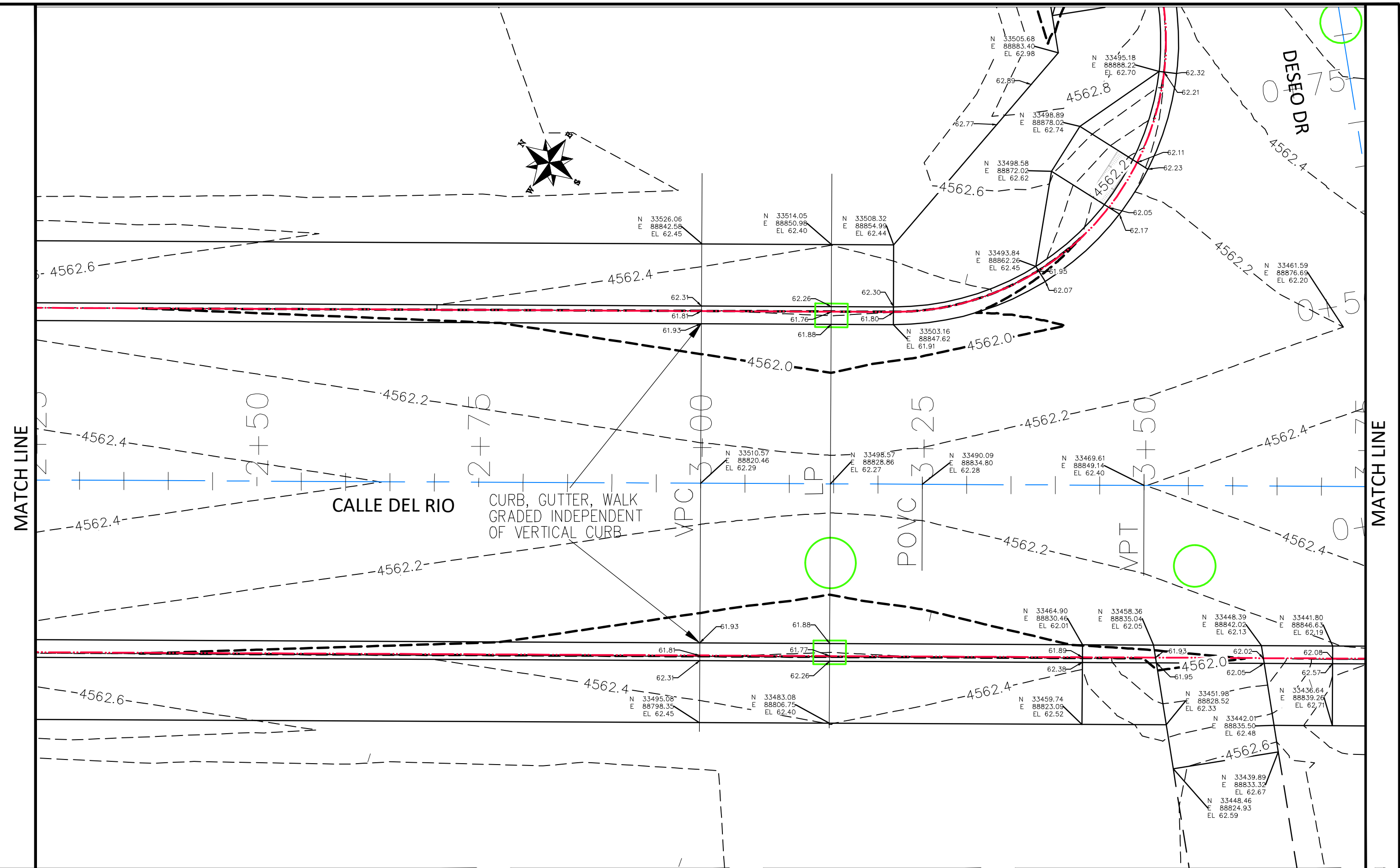
DRAWN BY	JCS	DATE	2019
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APPROVED BY	ICP	DATE	2019

SCALES:	
0 2.5 5 10	HORIZONTAL
0 NA NA	VERTICAL



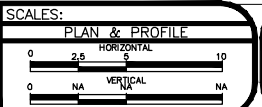
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-29  
June 19, 2020



REVISION	DESCRIPTION	DATE
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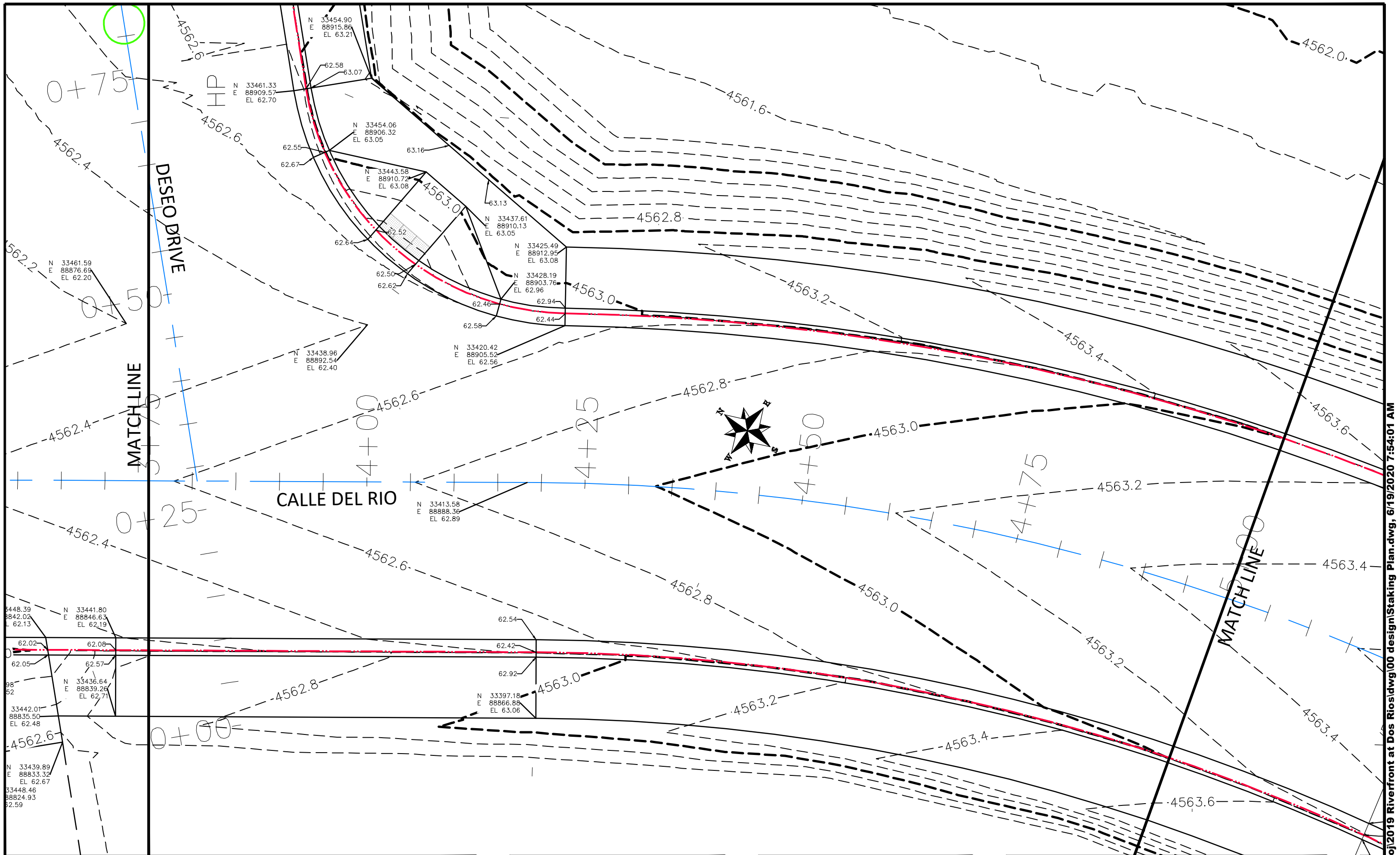
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PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STAKING PLAN - ST-30  
 June 19, 2020





REVISION	DESCRIPTION	DATE
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DESIGNED BY	JCS	DATE	2019
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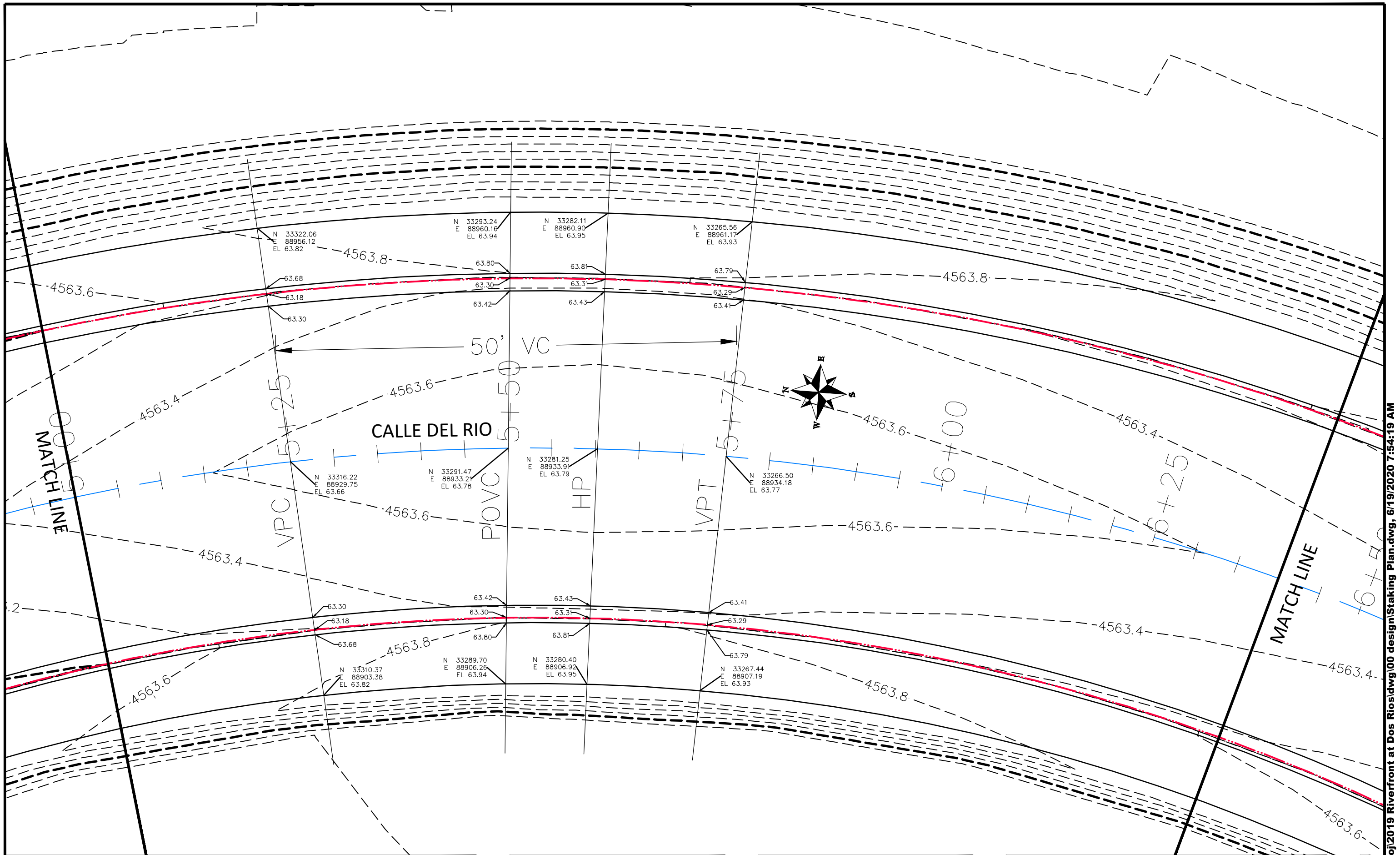
SCALES:	
0	10
PLAN & PROFILE	
0	10
HORIZONTAL	
0	NA
VERTICAL	
0	NA



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-31  
June 19, 2020





REVISION	DESCRIPTION	DATE
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

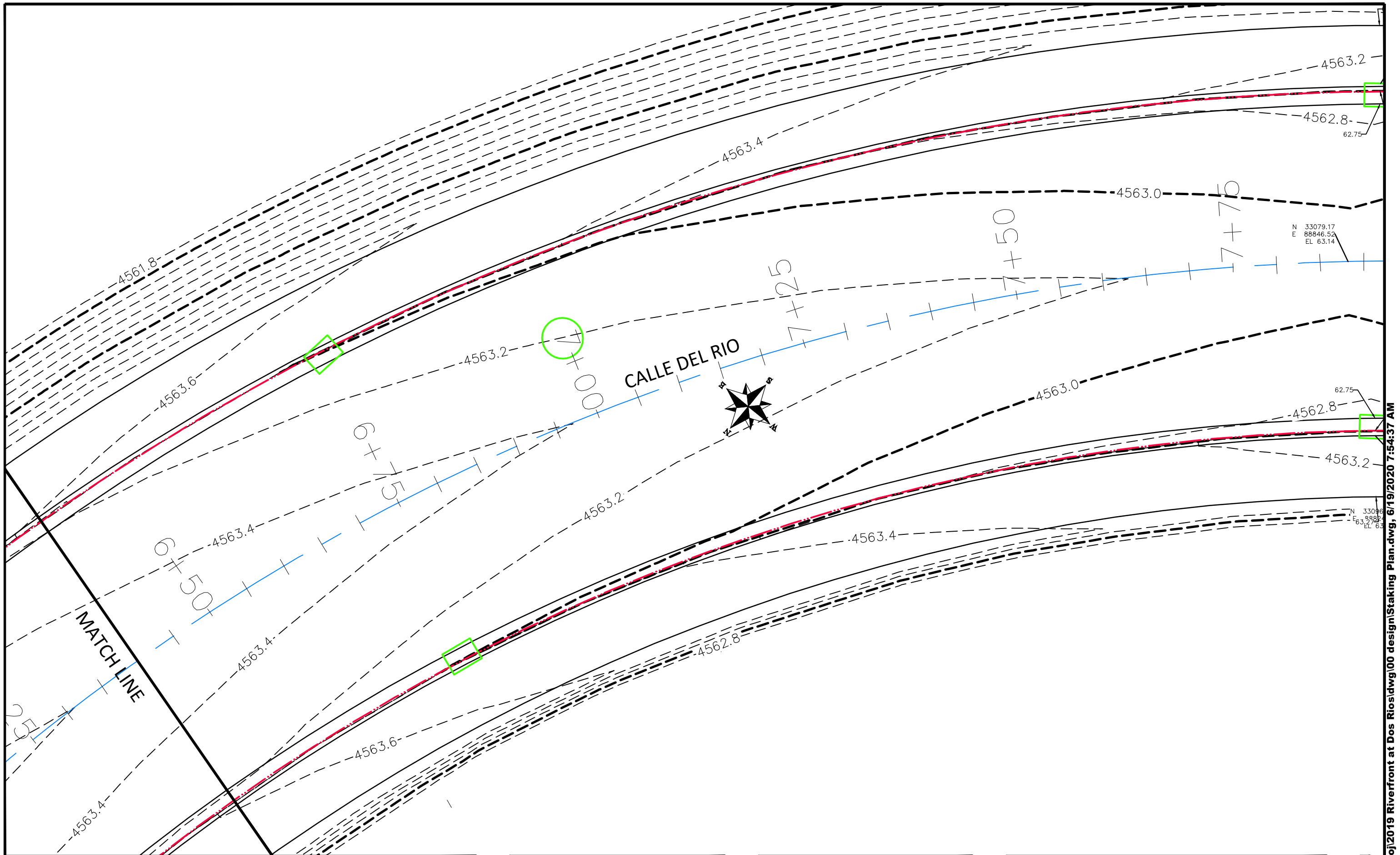
SCALES:

PLAN & PROFILE  
 1" = 20'  
 HORIZONTAL  
 1" = 10'  
 VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-32  
June 19, 2020



REVISION	DESCRIPTION	DATE
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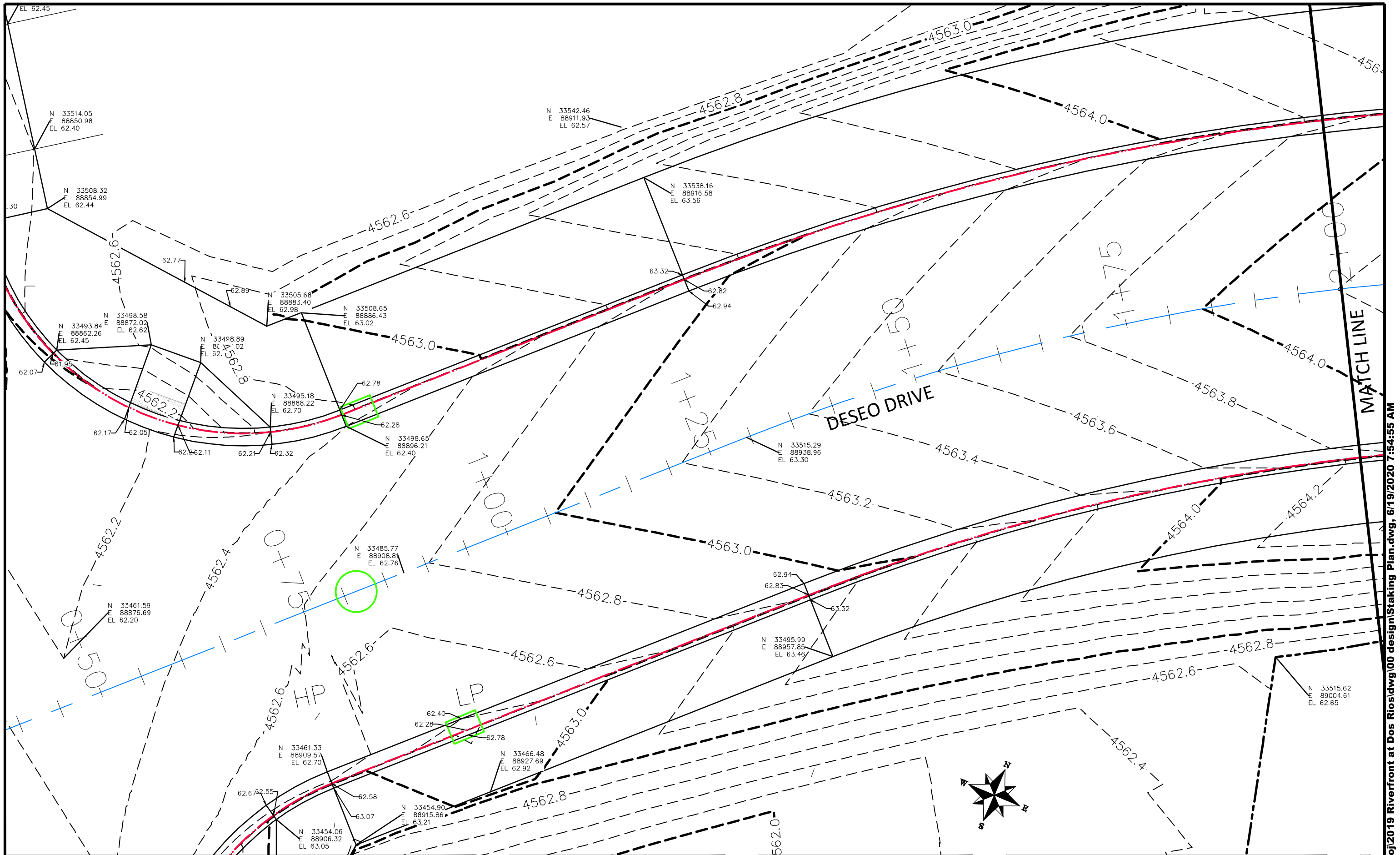
DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY ICP DATE 2019

**SCALES:**  
 PLAN & PROFILE  
 0 2.5 HORIZONTAL 10  
 0 NA VERTICAL NA



PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STAKING PLAN - ST-33  
 June 19, 2020



REVISION	DESCRIPTION	DATE
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DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

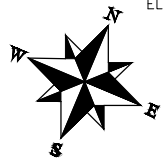
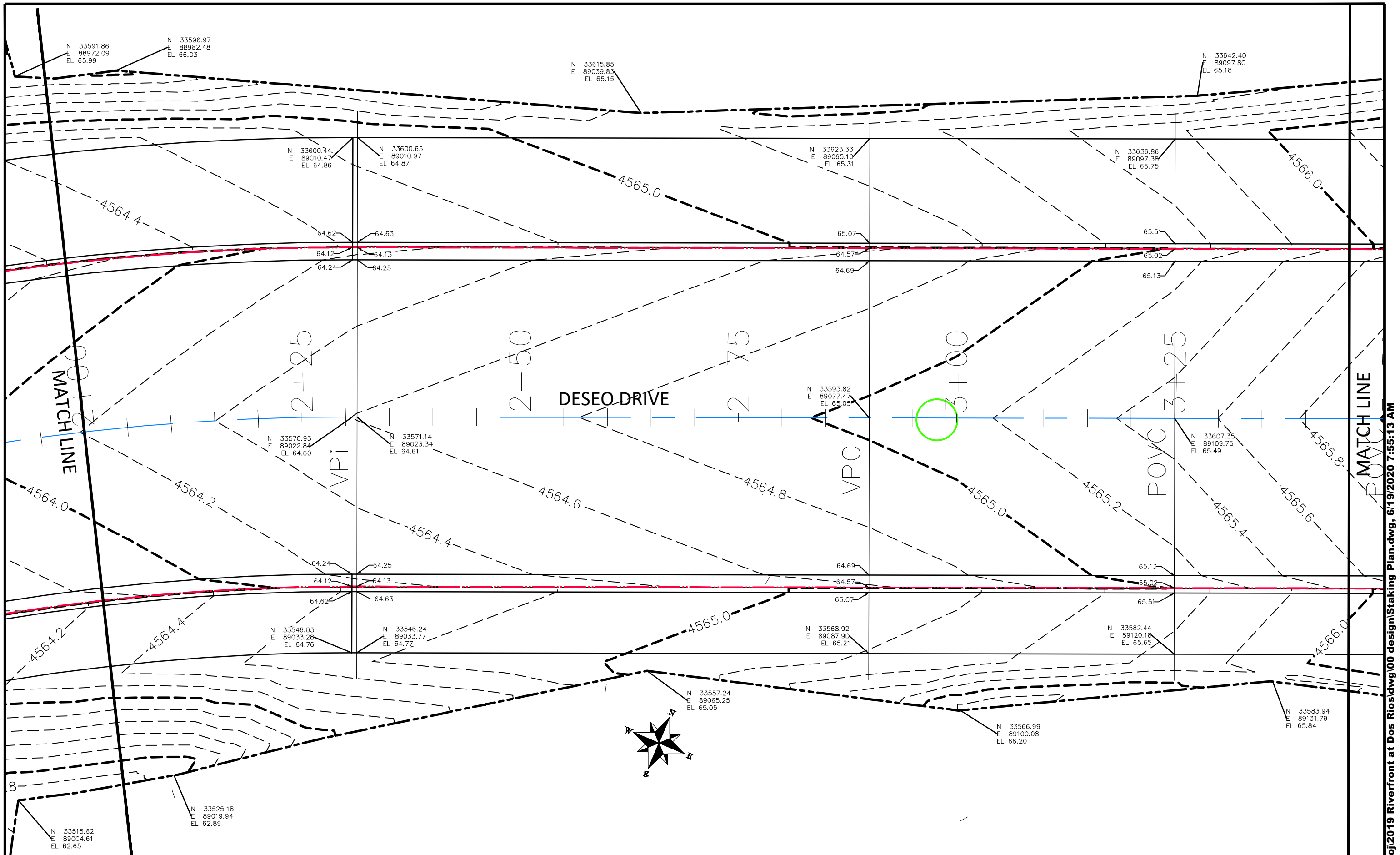
SCALES:	
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PLAN & PROFILE	
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HORIZONTAL	
0	NA
VERTICAL	
0	NA



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-34  
June 19, 2020

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REVISION	DESCRIPTION	DATE
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APPROVED BY	ICP	DATE	2019

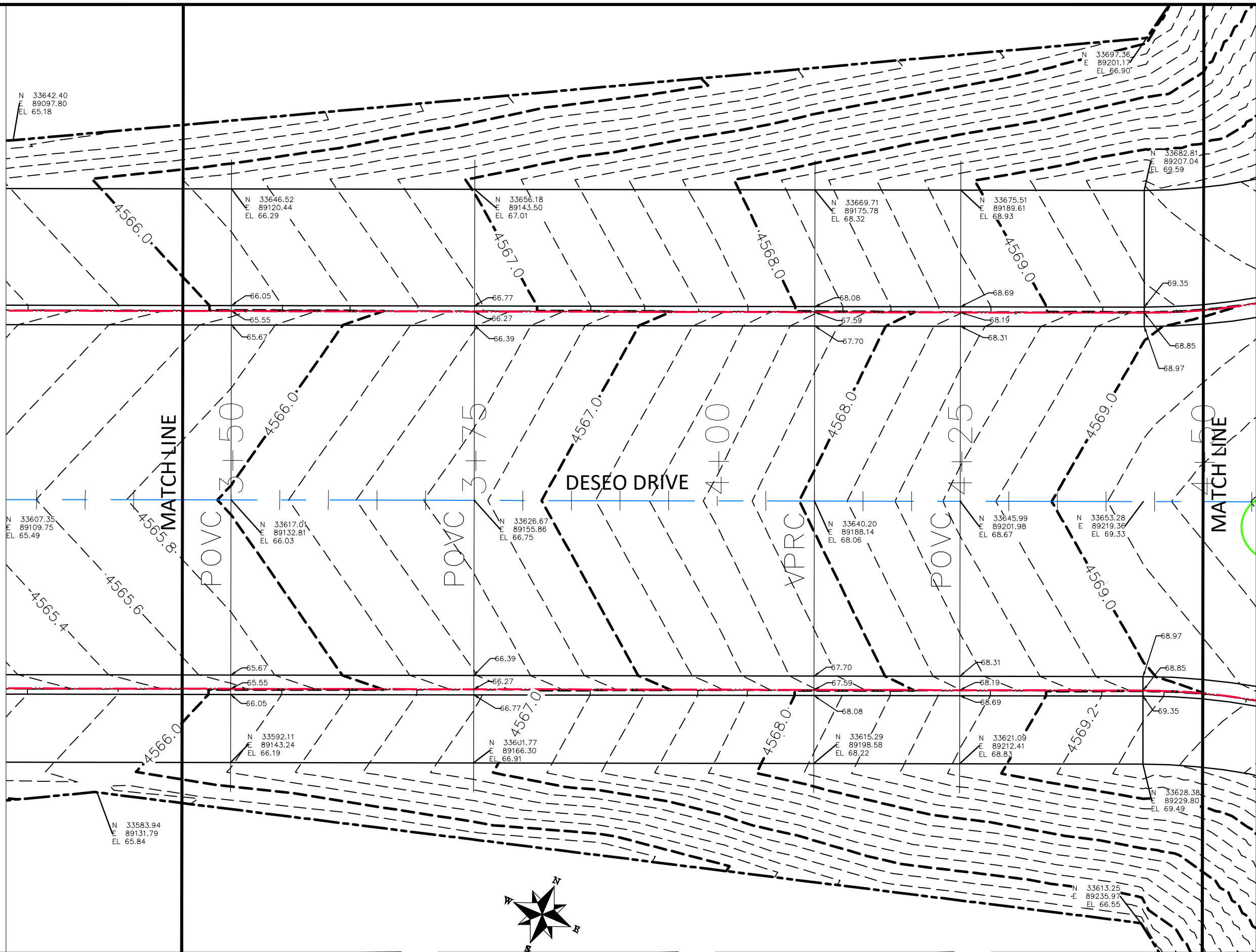
SCALES:	
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HORIZONTAL	
0	NA
VERTICAL	



**PUBLIC WORKS  
ENGINEERING DIVISION**

**THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-35  
June 19, 2020**





N 33642.40  
E 89097.80  
EL 65.18

N 33646.52  
E 89120.44  
EL 66.29

N 33656.18  
E 89143.50  
EL 67.01

N 33669.71  
E 89175.78  
EL 68.32

N 33675.51  
E 89189.61  
EL 68.93

N 33682.81  
E 89207.04  
EL 69.59

N 33607.35  
E 89109.75  
EL 65.49

N 33617.01  
E 89132.81  
EL 66.03

N 33626.67  
E 89155.86  
EL 66.75

N 33640.20  
E 89188.14  
EL 68.06

N 33645.99  
E 89201.98  
EL 68.67

N 33653.28  
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EL 66.91

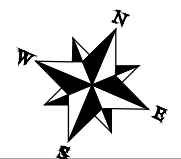
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N 33621.09  
E 89212.41  
EL 68.83

N 33628.38  
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EL 69.49

N 33583.94  
E 89131.79  
EL 65.84

N 33613.25  
E 89235.97  
EL 66.55



REVISION	DESCRIPTION	DATE
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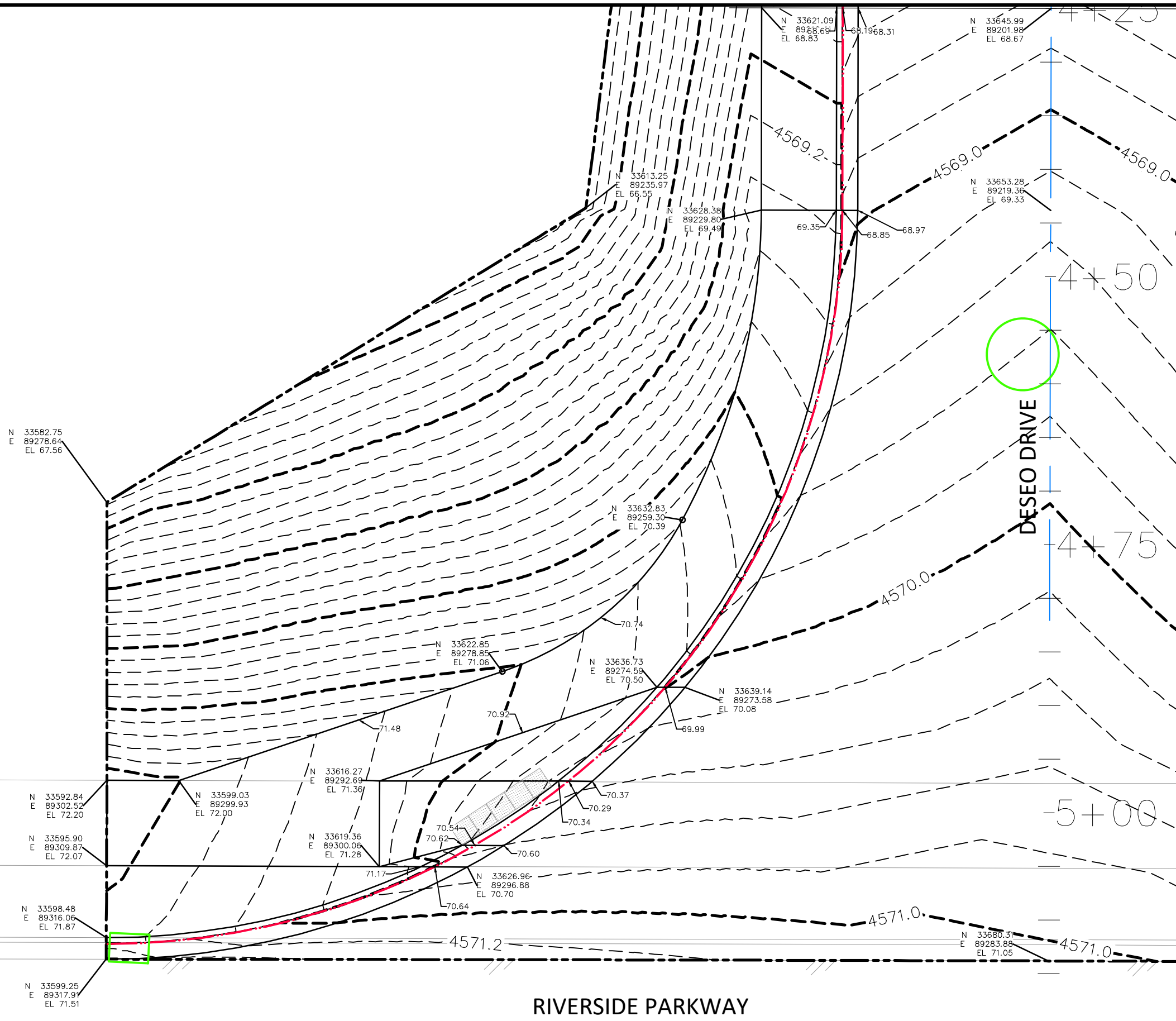
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PLAN & PROFILE	
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HORIZONTAL	
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VERTICAL	
0	NA



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-36  
June 19, 2020





REVISION	DESCRIPTION	DATE
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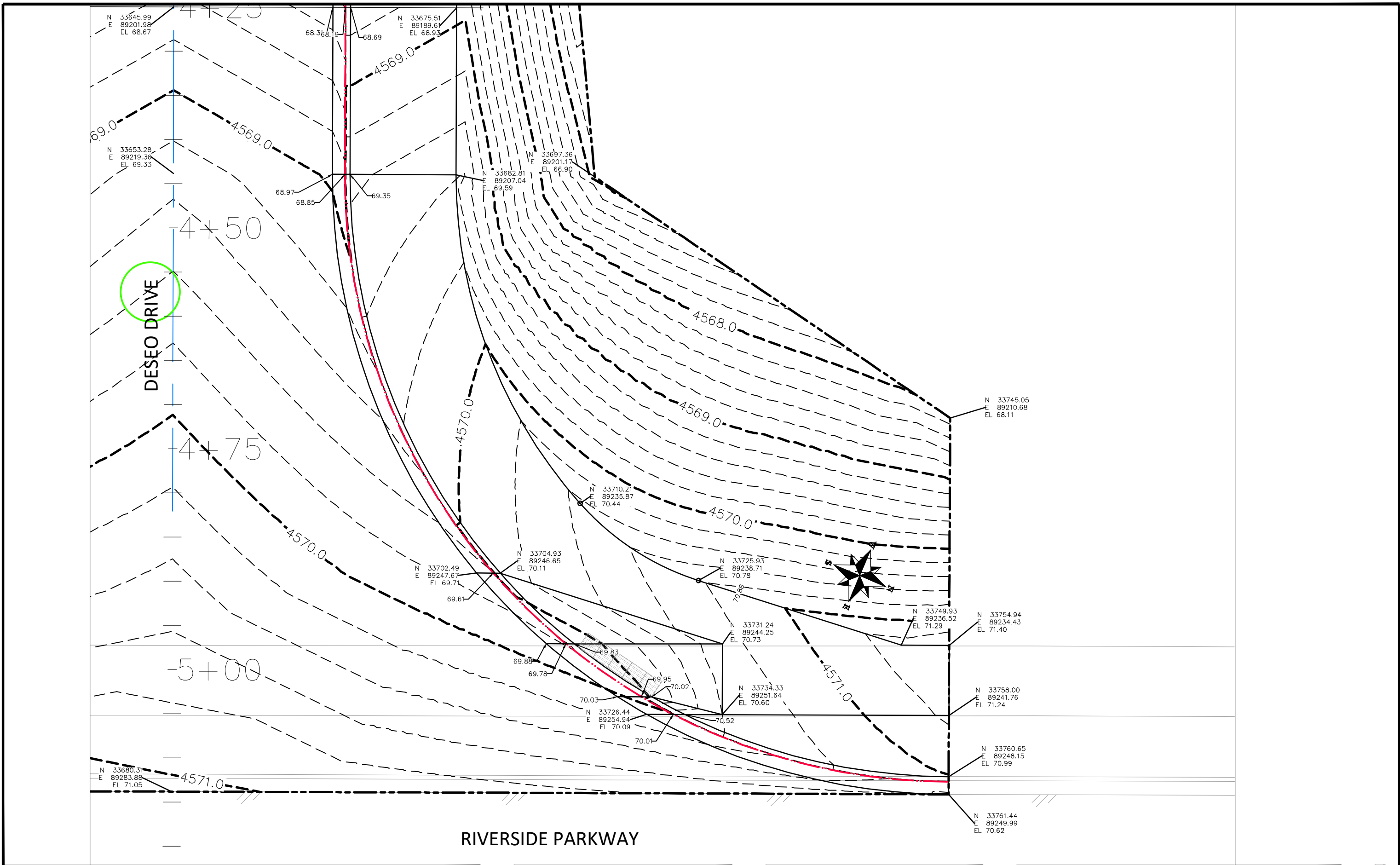
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
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HORIZONTAL	
0	NA
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-37  
June 19, 2020



REVISION	DESCRIPTION	DATE
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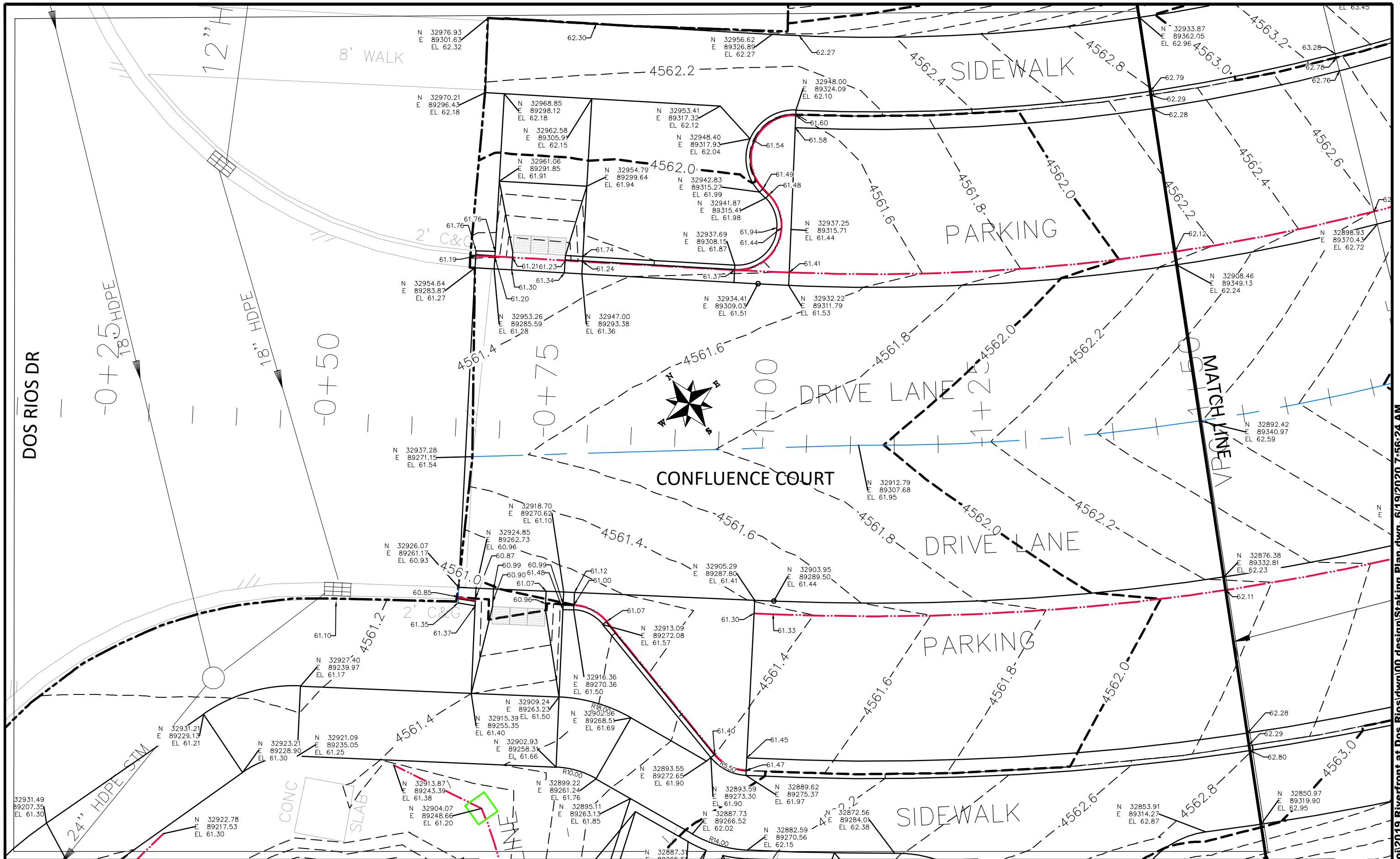
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
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PLAN & PROFILE	
0	10
HORIZONTAL	
0	NA
VERTICAL	
0	NA



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN – ST-38  
June 19, 2020



REVISION	DESCRIPTION	DATE
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CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

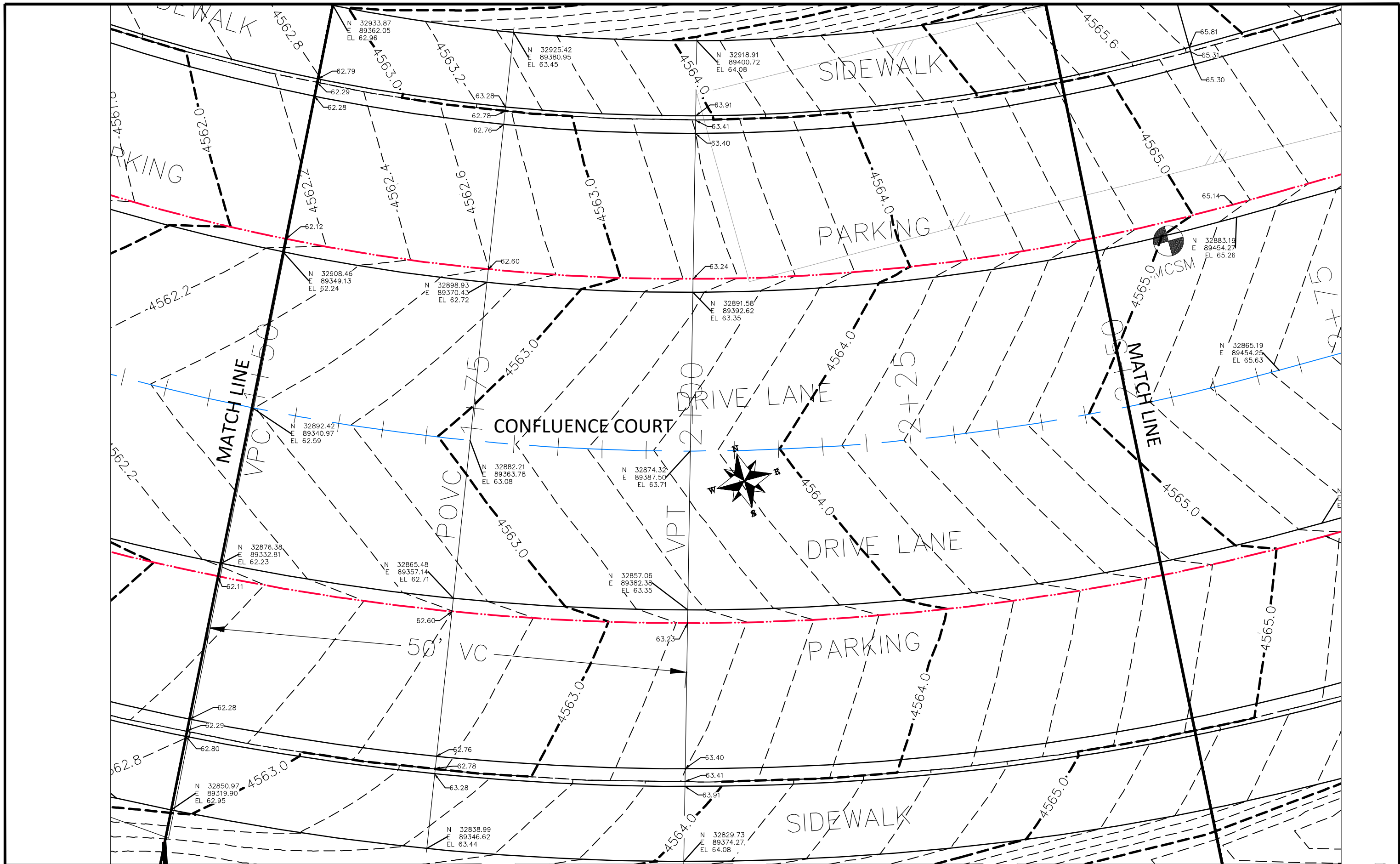
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PLAN & PROFILE	
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HORIZONTAL	
0	NA
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

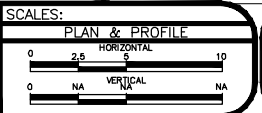
THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-39  
June 19, 2020





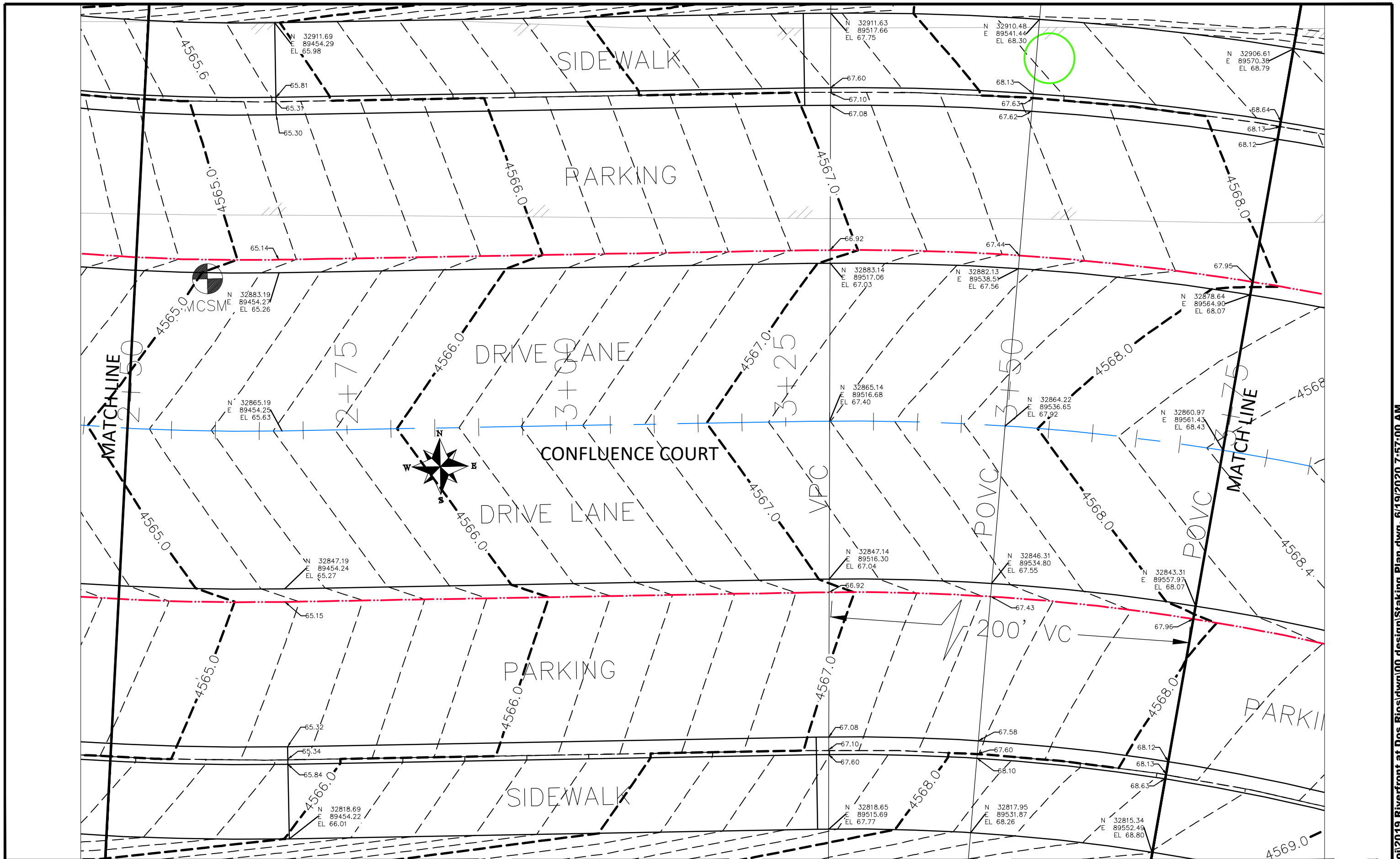
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APPROVED BY	ICP	DATE	2019



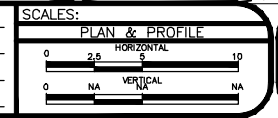
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-40  
June 19, 2020



REVISION	DESCRIPTION	DATE
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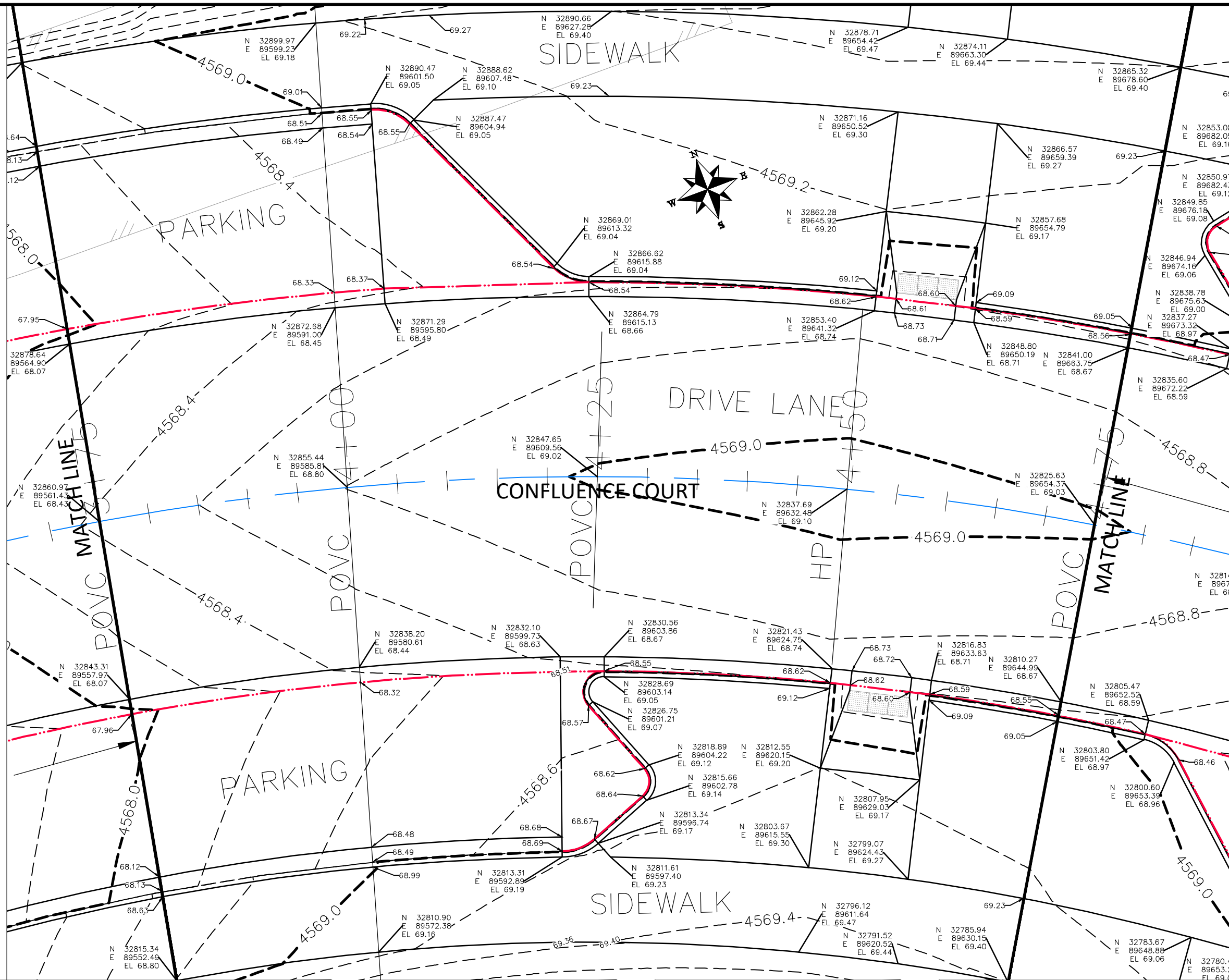
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APPROVED BY	ICP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

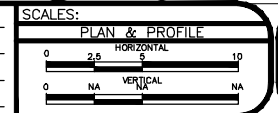
THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-41  
June 19, 2020





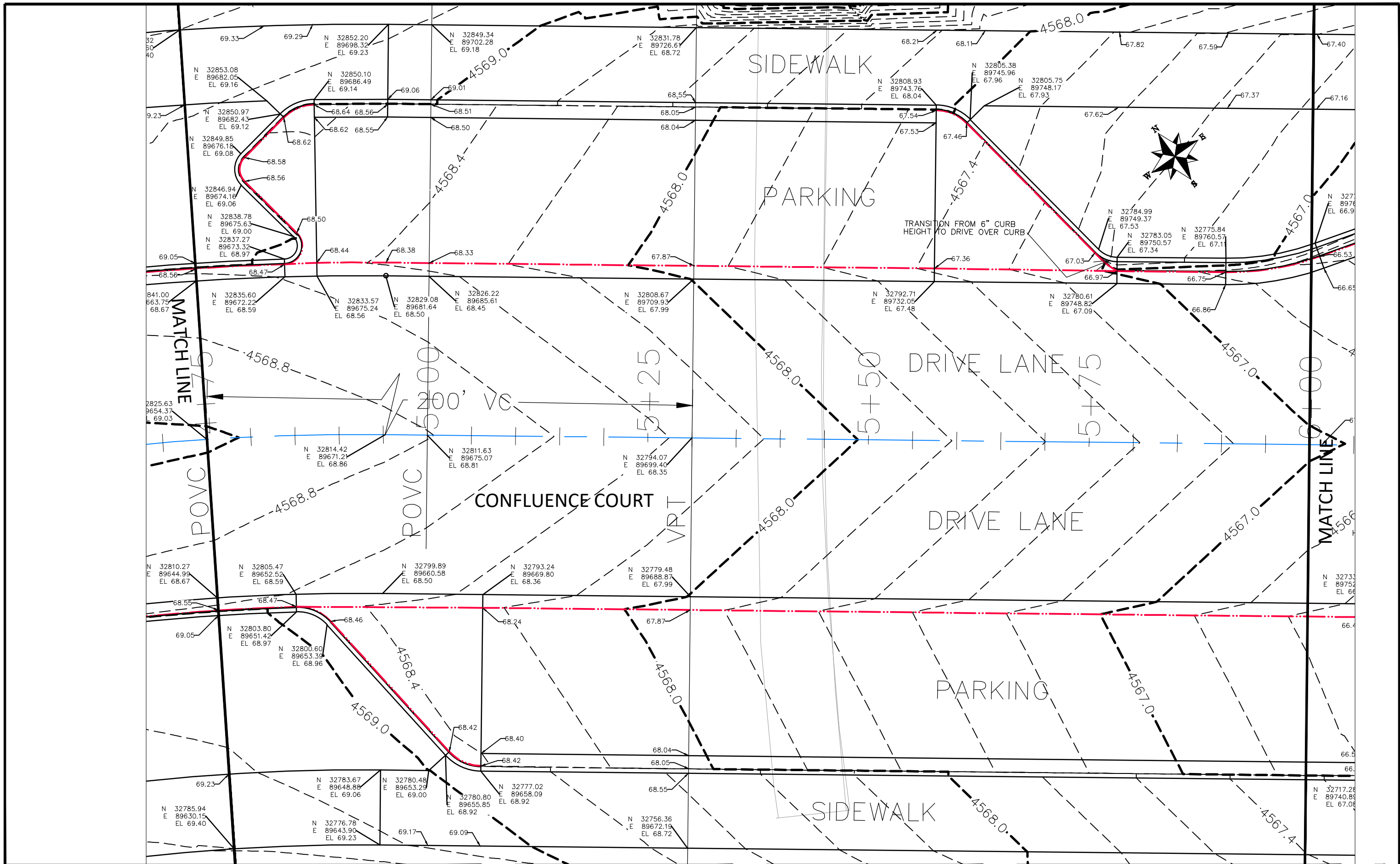
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CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019



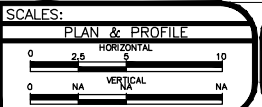
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-42  
June 19, 2020



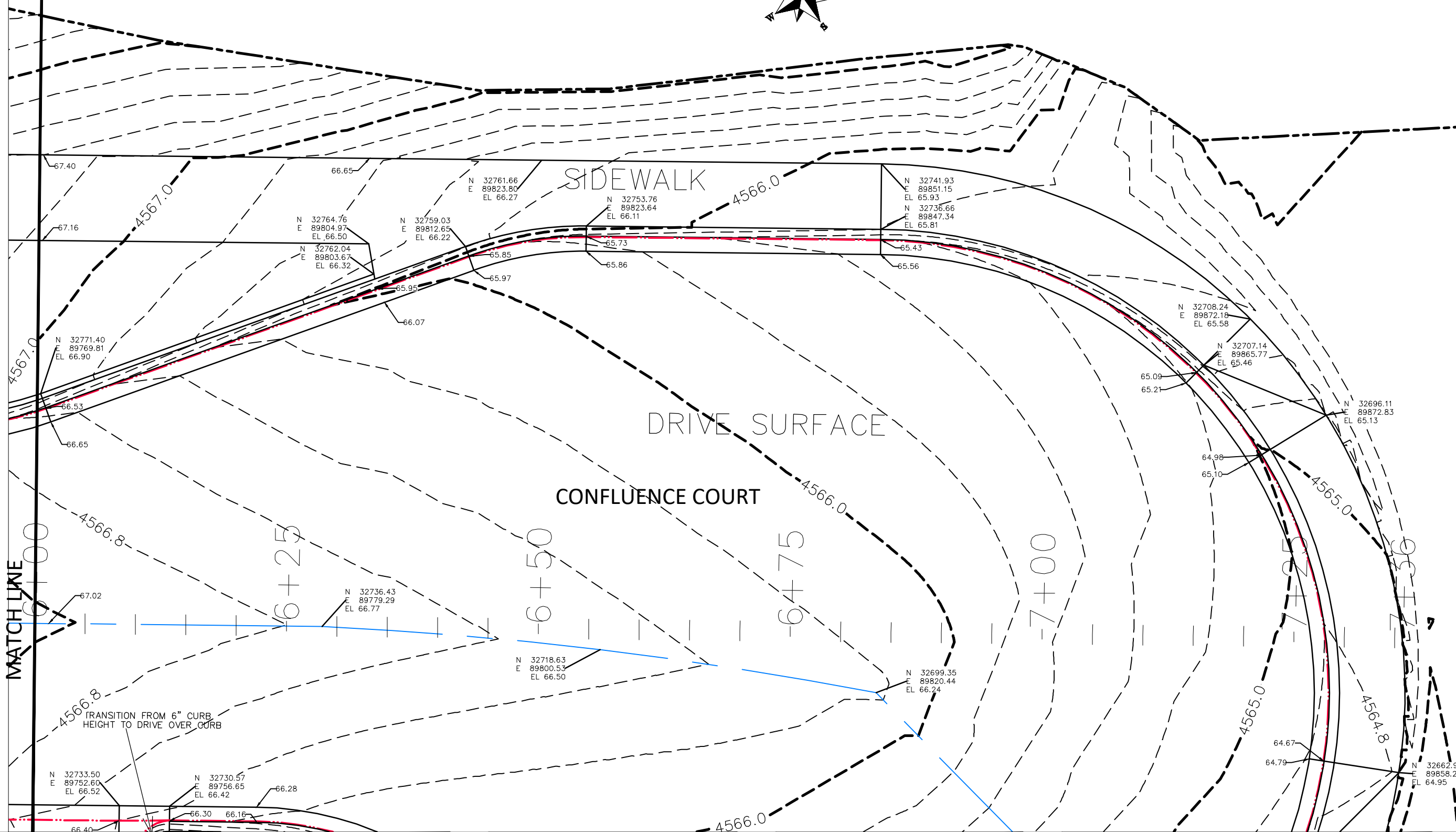
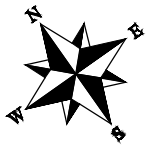
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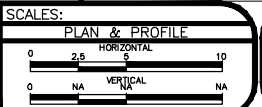
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-43  
June 19, 2020



REVISION	DESCRIPTION	DATE
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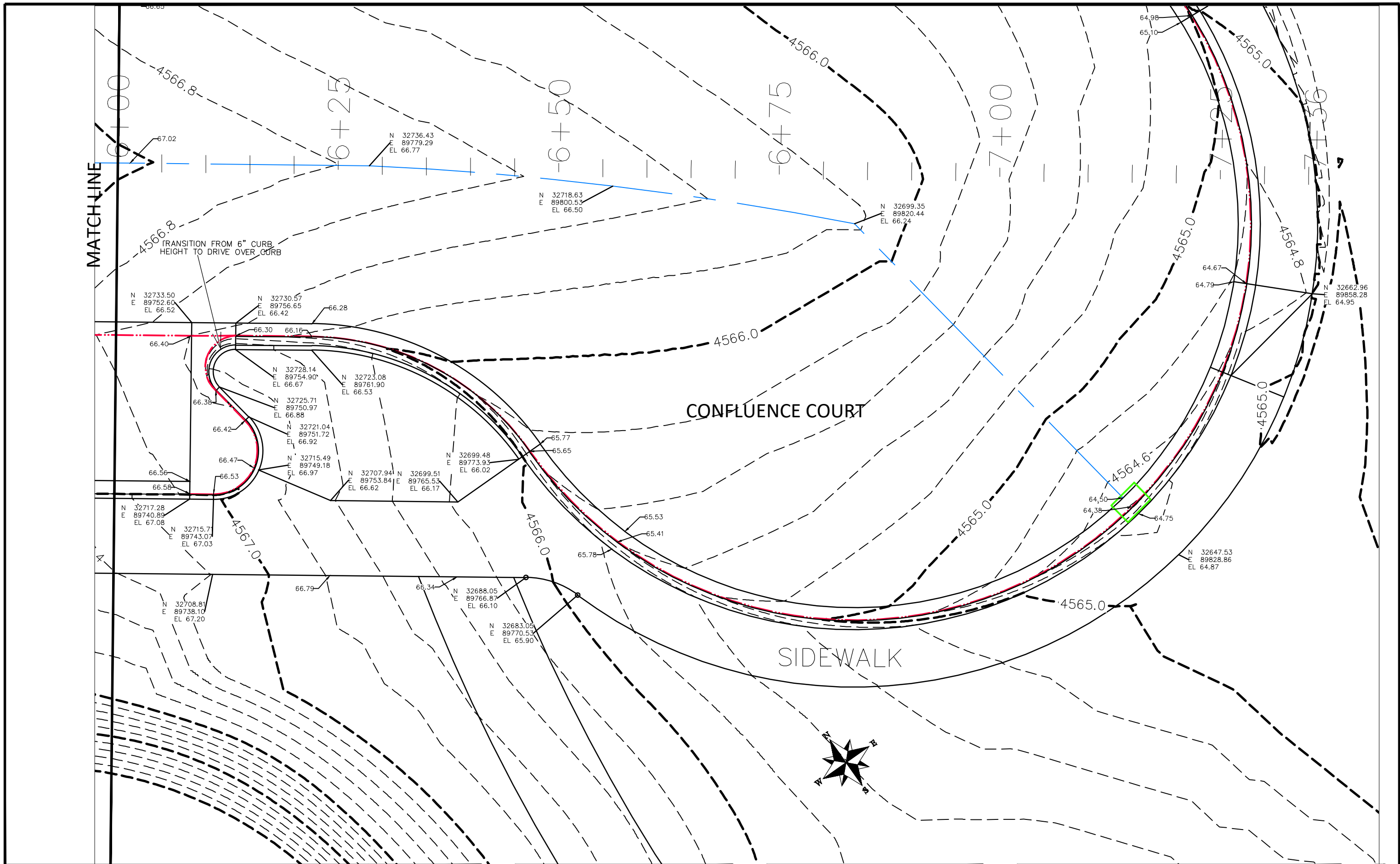
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CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-44  
June 19, 2020





REVISION	DESCRIPTION	DATE
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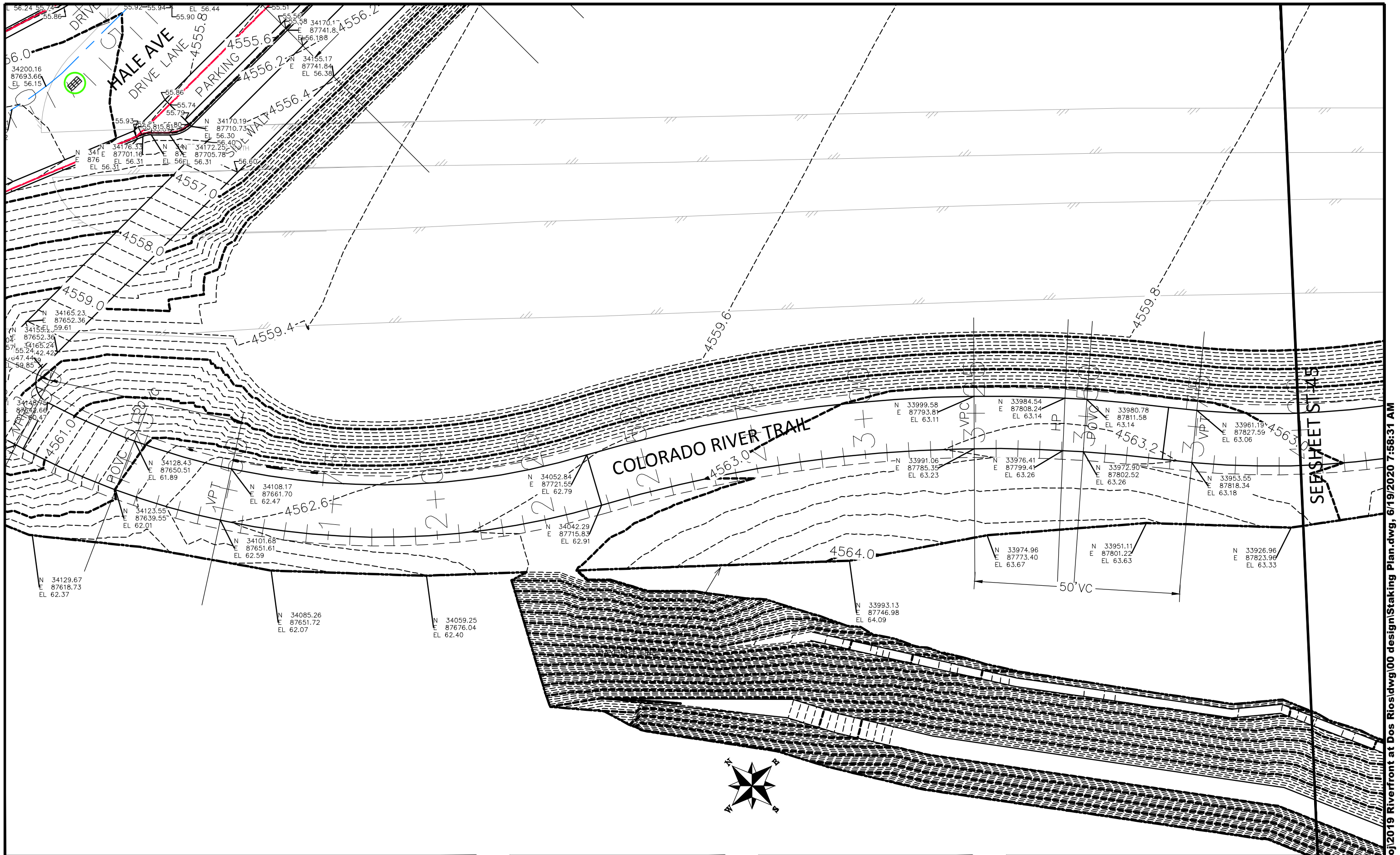
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
PLAN & PROFILE	
0 2.5 HORIZONTAL 10	
0 NA VERTICAL NA	



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-45  
June 19, 2020



REVISION	DESCRIPTION	DATE
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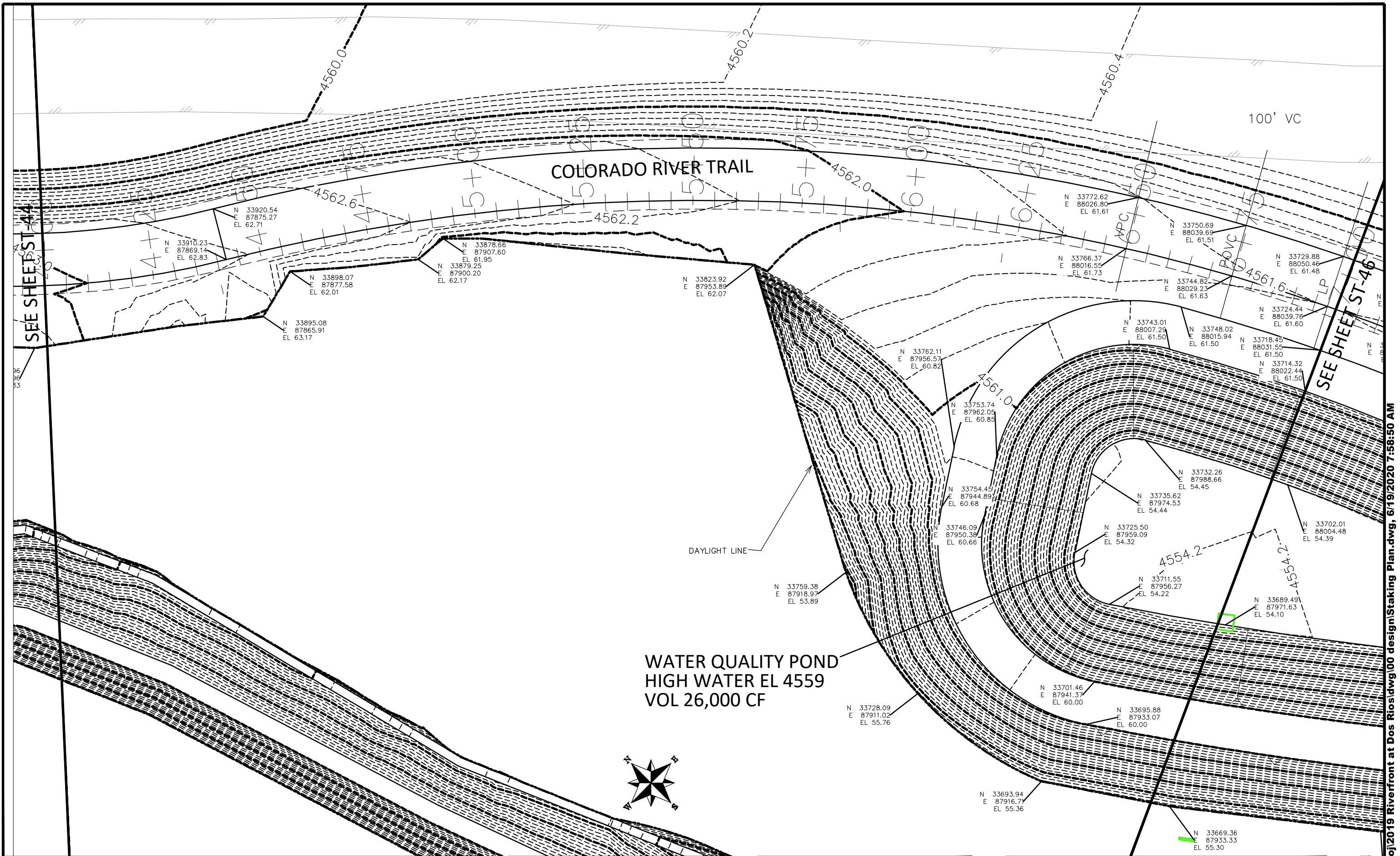
SCALES:	
PLAN & PROFILE	1" = 20'
HORIZONTAL	1" = 20'
VERTICAL	1" = 10'



PUBLIC WORKS  
ENGINEERING DIVISION

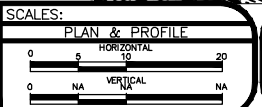
THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-46  
June 19, 2020





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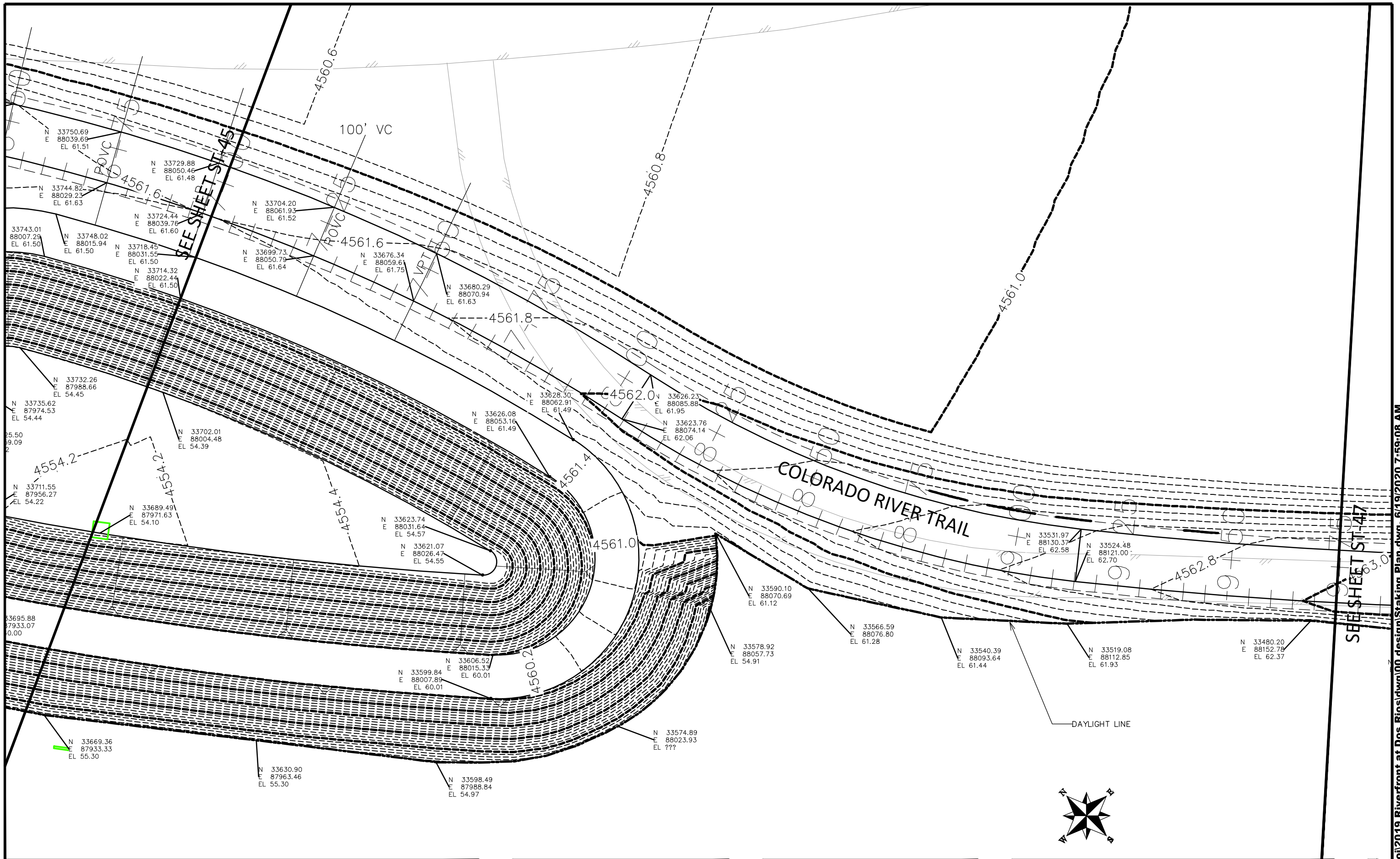
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APPROVED BY	ICP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-47  
June 19, 2020

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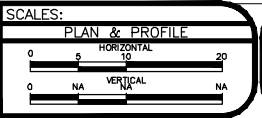


SEE SHEET ST-45

SEE SHEET ST-47

REVISION	DESCRIPTION	DATE
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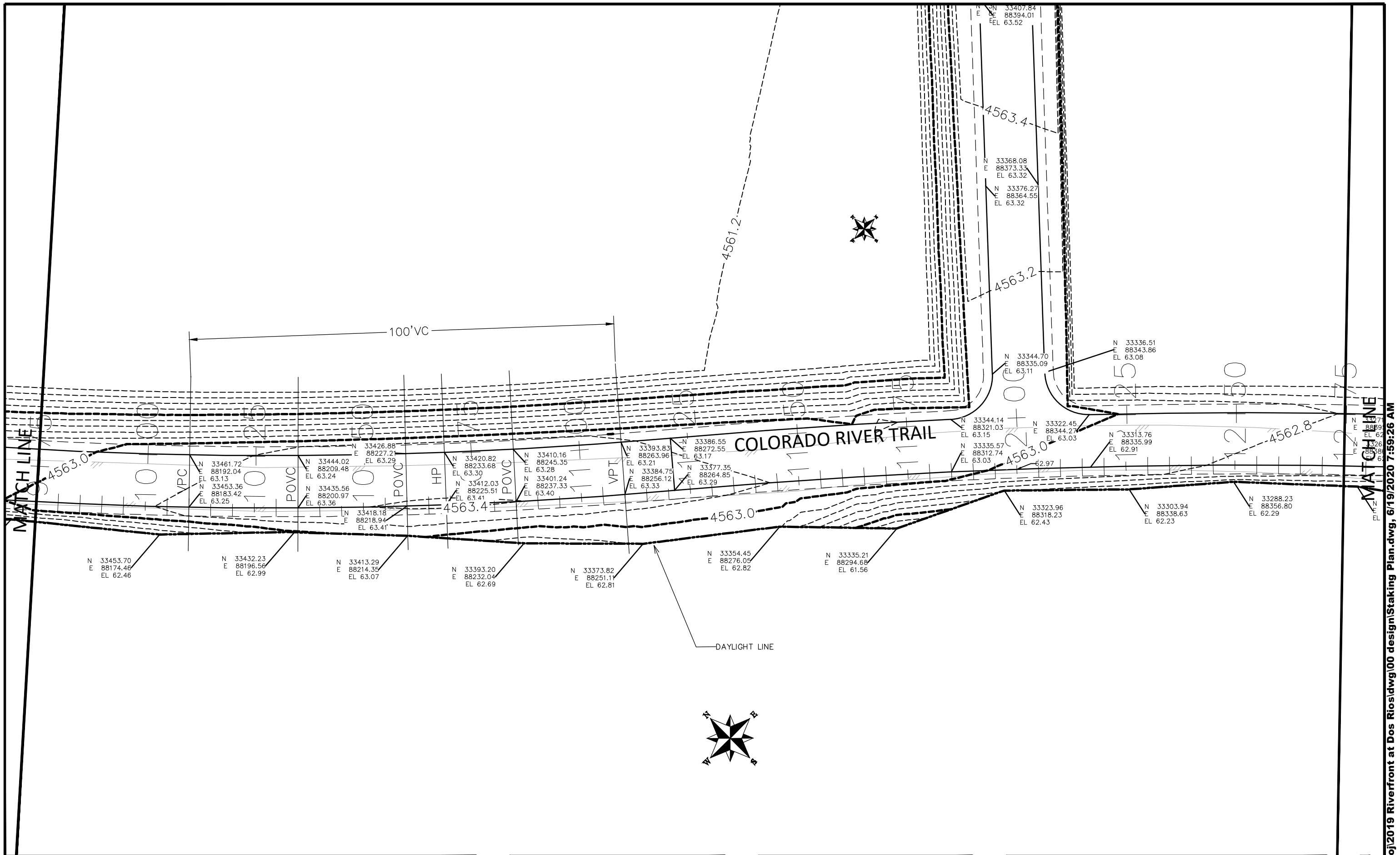
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APPROVED BY	ICP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

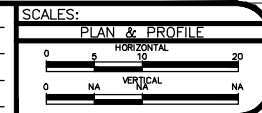
THE RIVERFRONT AT DOS RIOS  
STAKING PLAN – ST-48  
June 19, 2020





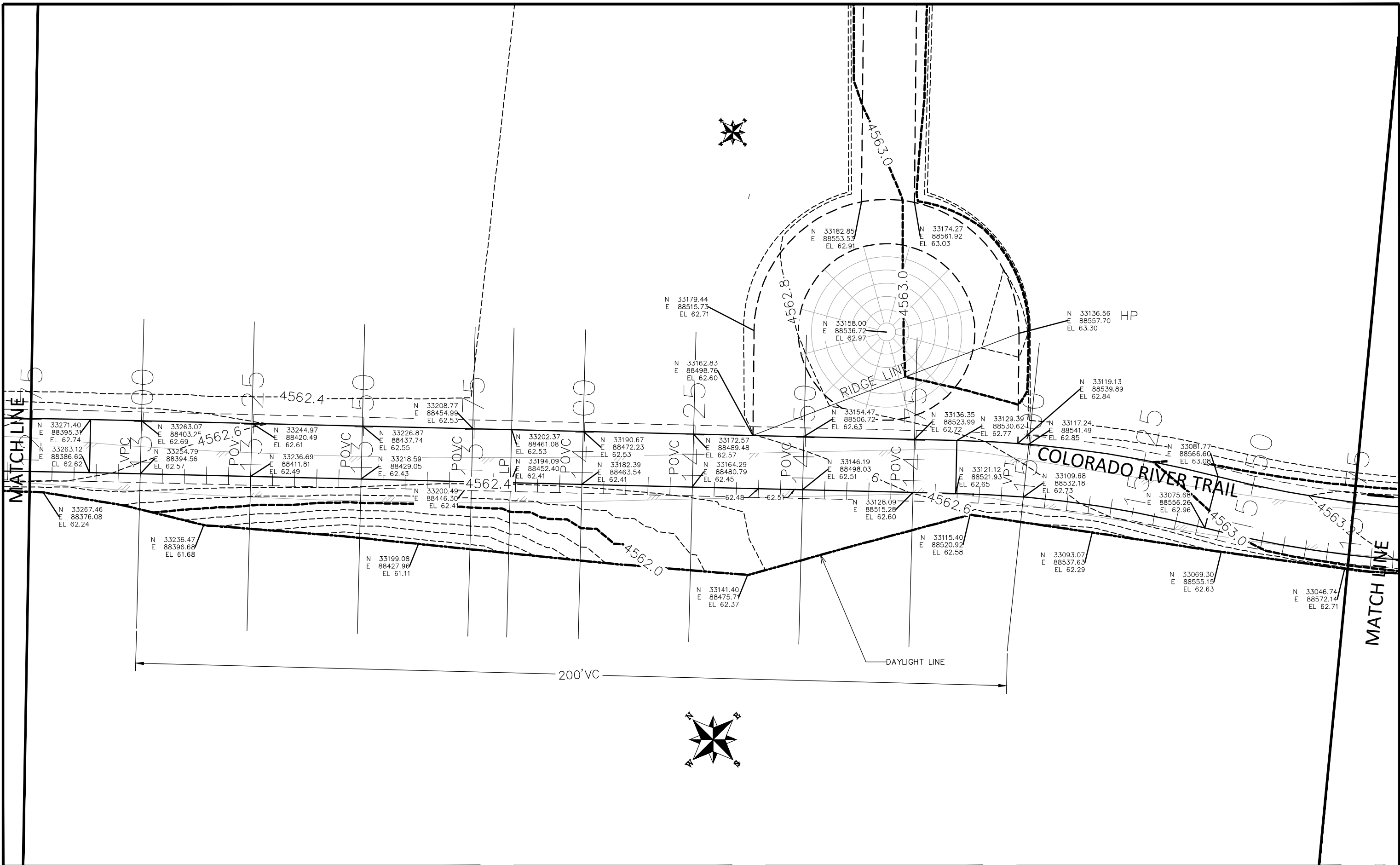
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DRAWN BY JCS DATE 2019  
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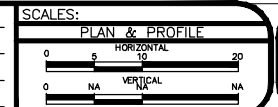
PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STAKING PLAN - ST-49  
 June 19, 2020



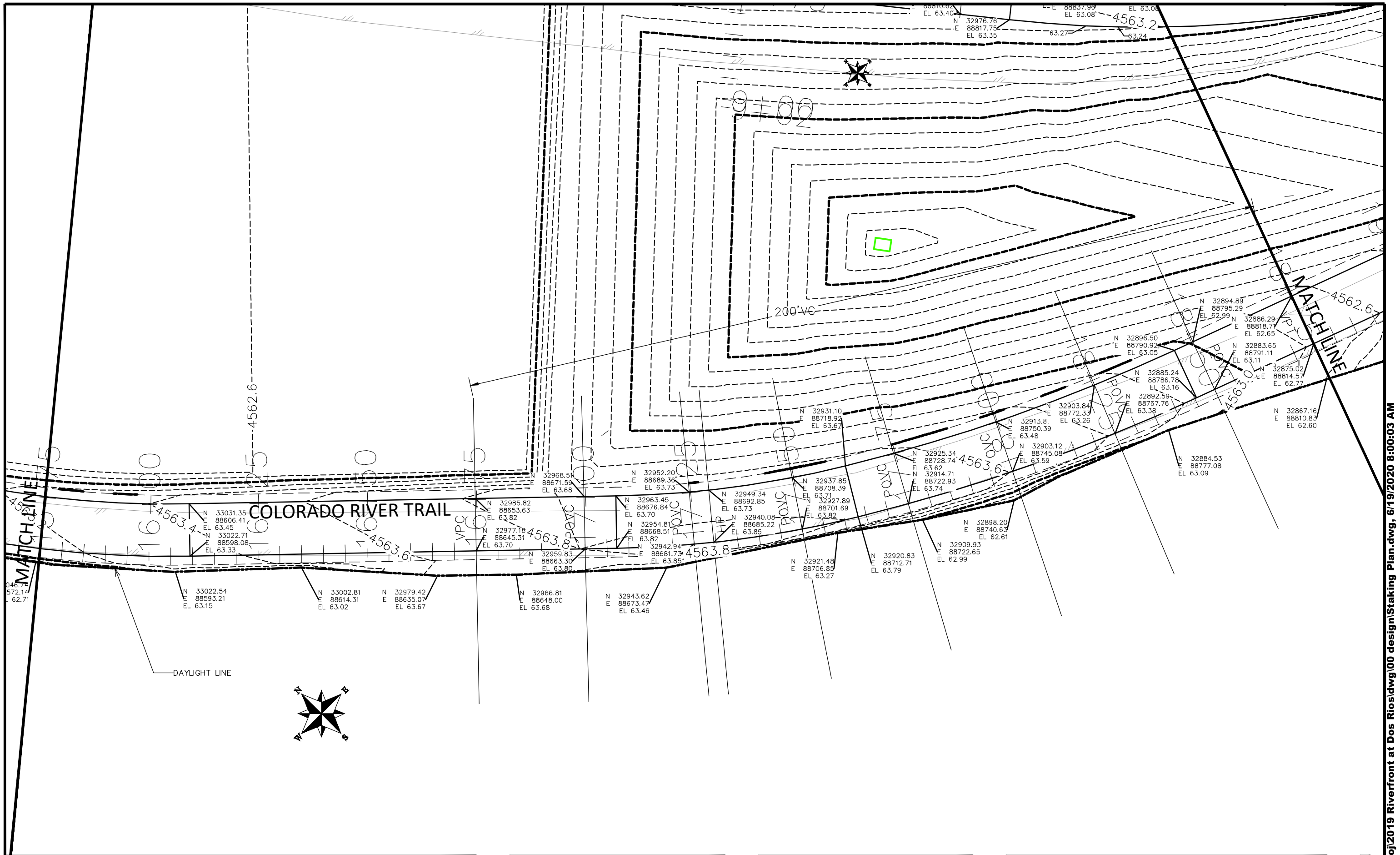
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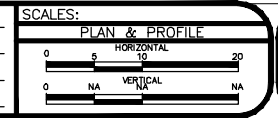
PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STAKING PLAN - ST-50  
 June 19, 2020



REVISION	DESCRIPTION	DATE
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DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TGP DATE 2019

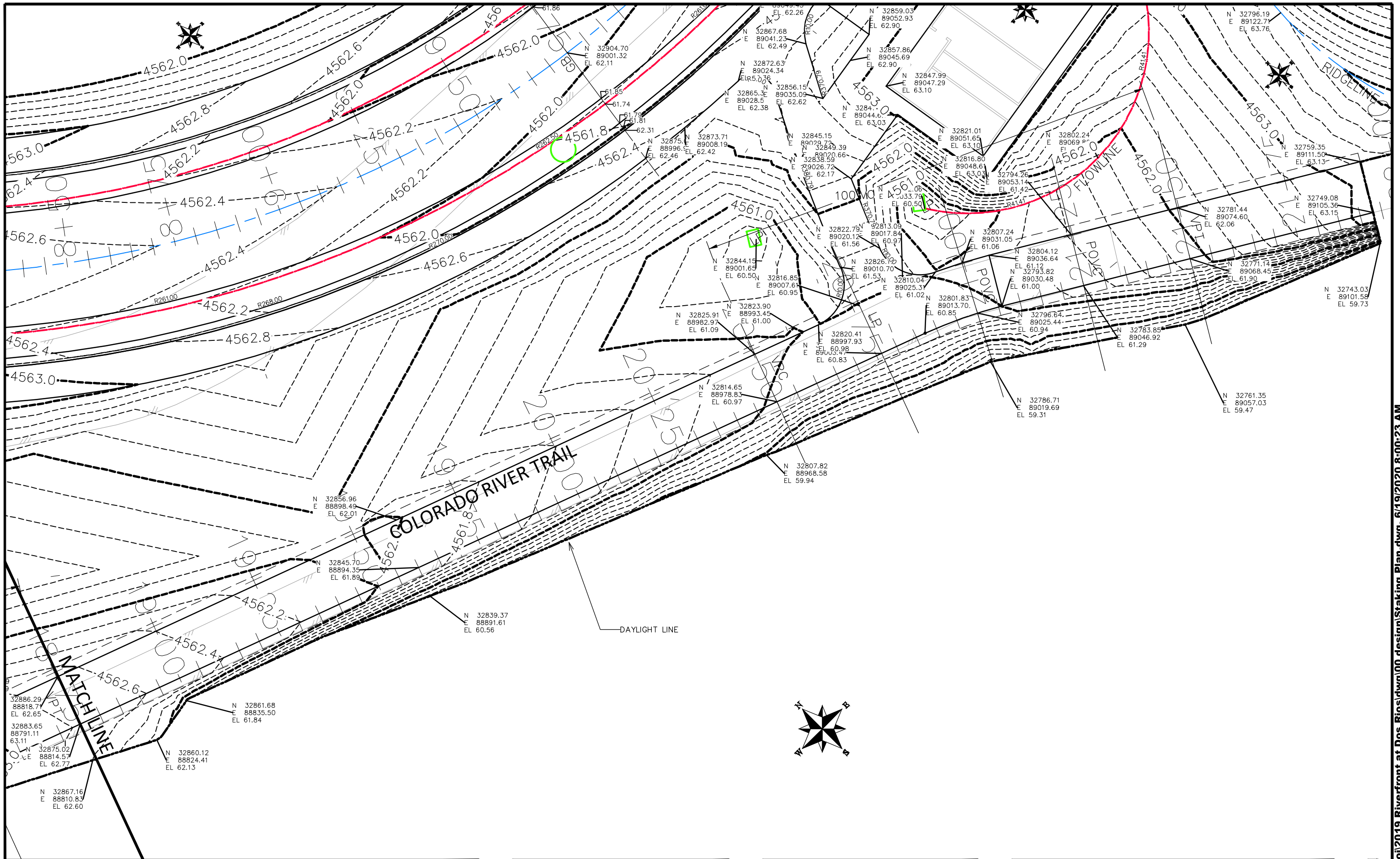


PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STAKING PLAN - ST-51  
 June 19, 2020

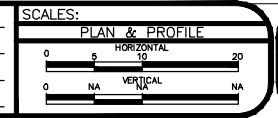
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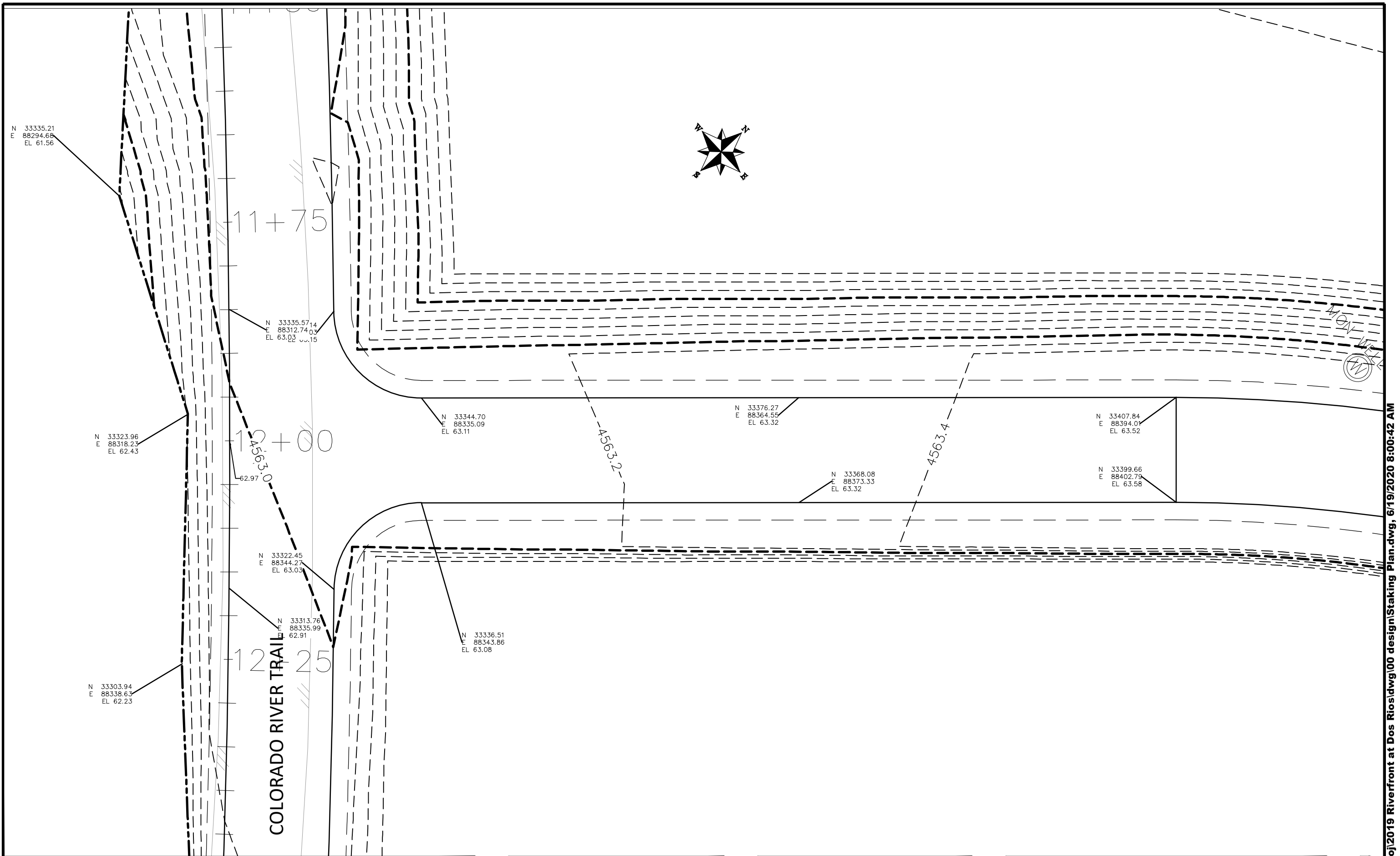
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APPROVED BY	ICP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN – ST-52  
June 19, 2020



REVISION	DESCRIPTION	DATE
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DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
PLAN & PROFILE	
0	10
HORIZONTAL	
0	NA
VERTICAL	

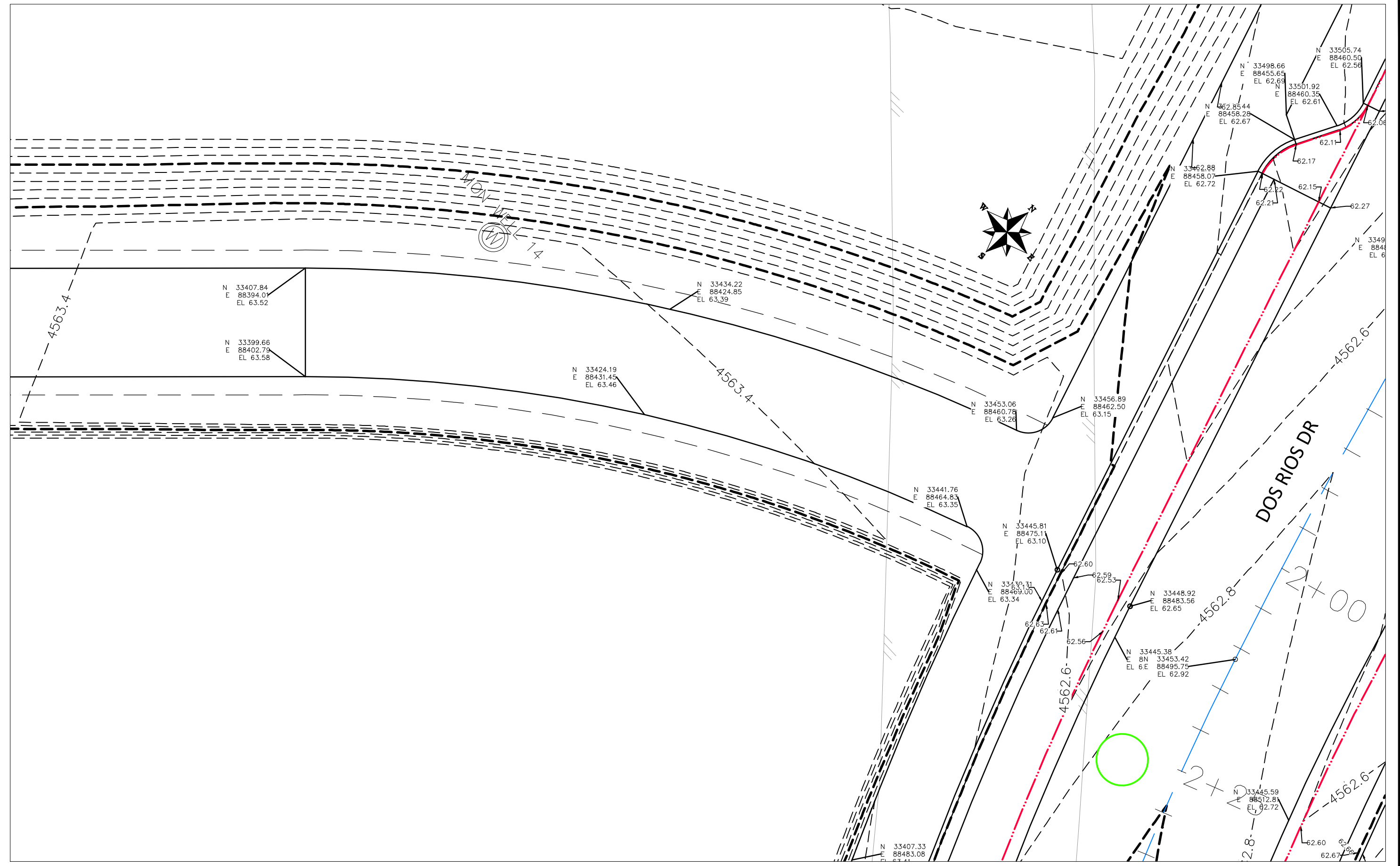


PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-53  
June 19, 2020

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MATCH LINE



REVISION	DESCRIPTION	DATE
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DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TGP DATE 2019

SCALES:  
 PLAN & PROFILE  
 0 2.5 10  
 HORIZONTAL  
 0 NA 10  
 VERTICAL

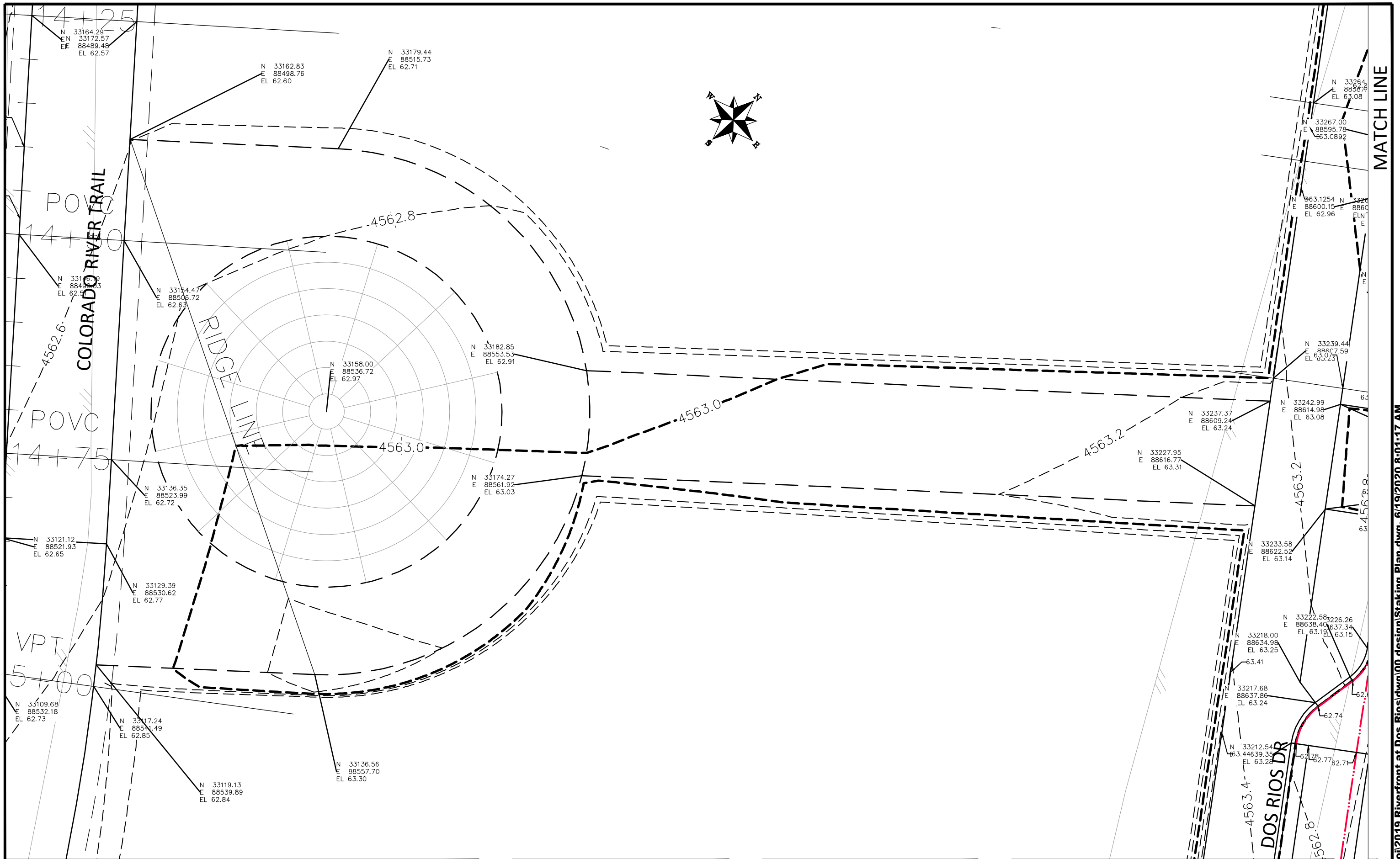


PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STAKING PLAN - ST-54  
 June 19, 2020

235

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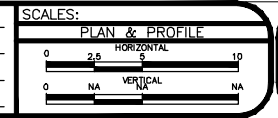


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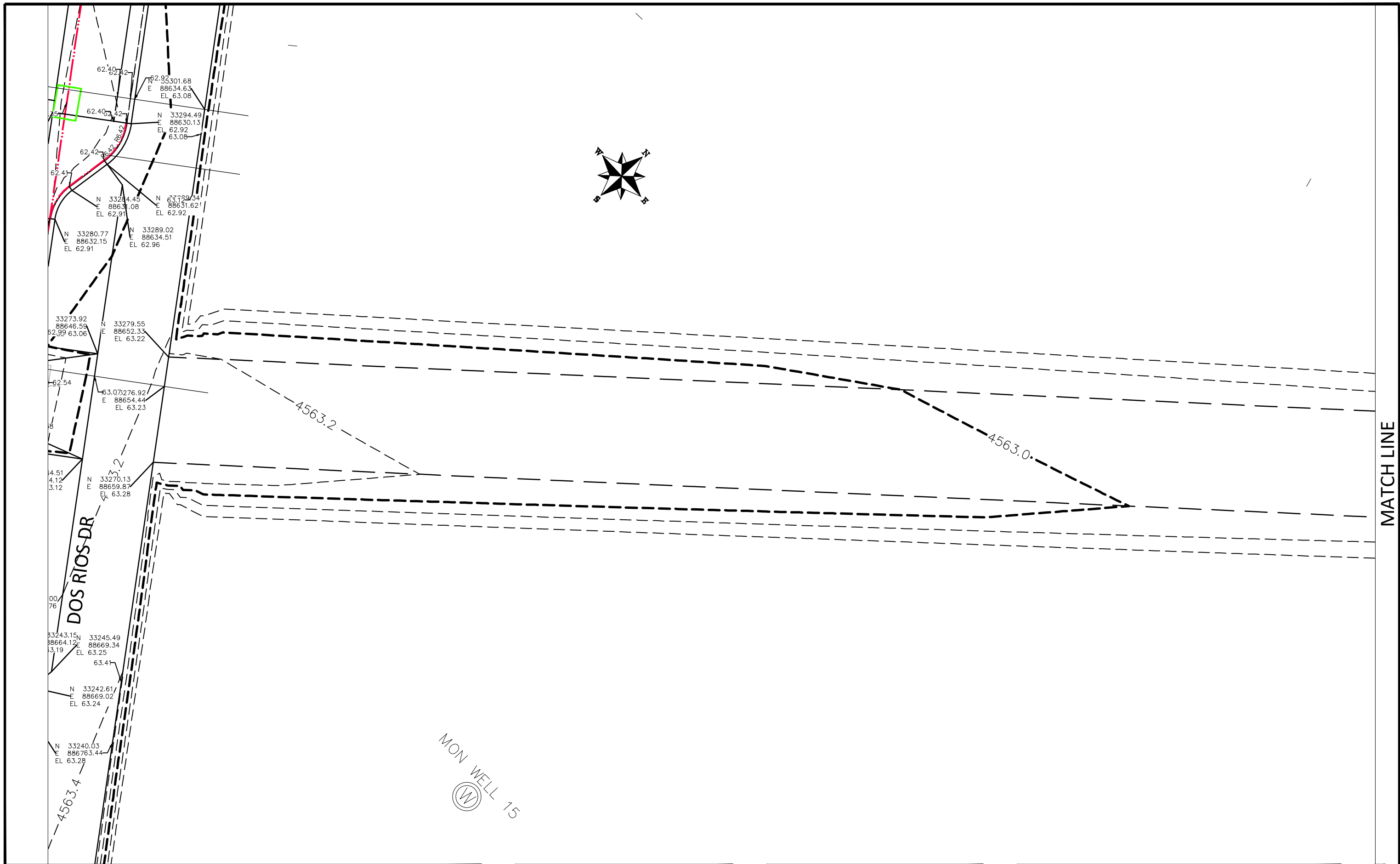
REVISION	DESCRIPTION	DATE
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DRAWN BY JCS DATE 2019  
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 CHECKED BY BH DATE 2019  
 APPROVED BY TGP DATE 2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-55  
June 19, 2020



MATCH LINE

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REVISION	DESCRIPTION	DATE
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DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY ICP DATE 2019

SCALES:

PLAN & PROFILE  
 0 2.5 HORIZONTAL 10  
 0 NA VERTICAL NA

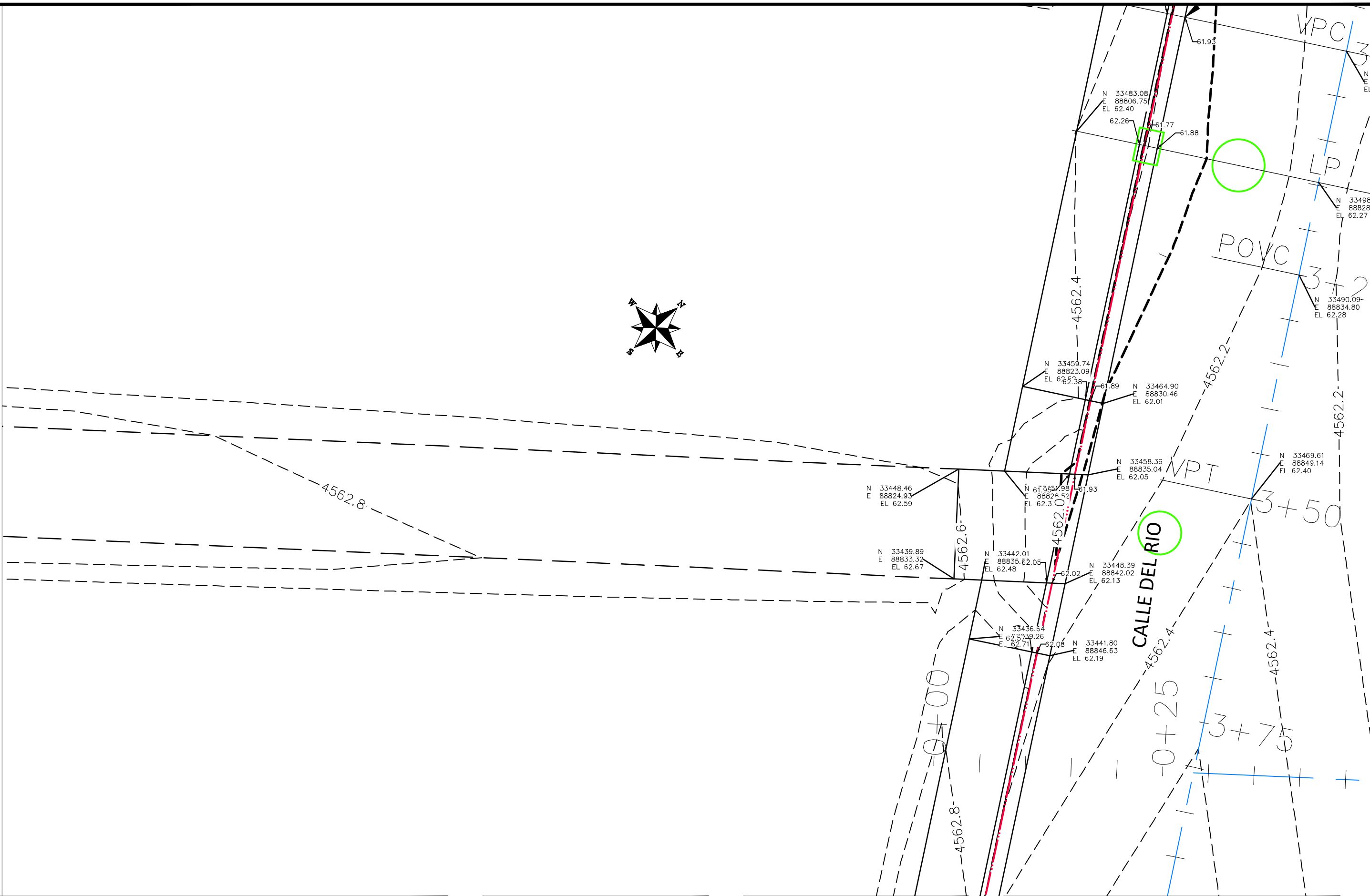


PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-56  
June 19, 2020

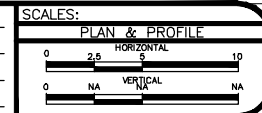


MATCH LINE



REVISION	DESCRIPTION	DATE
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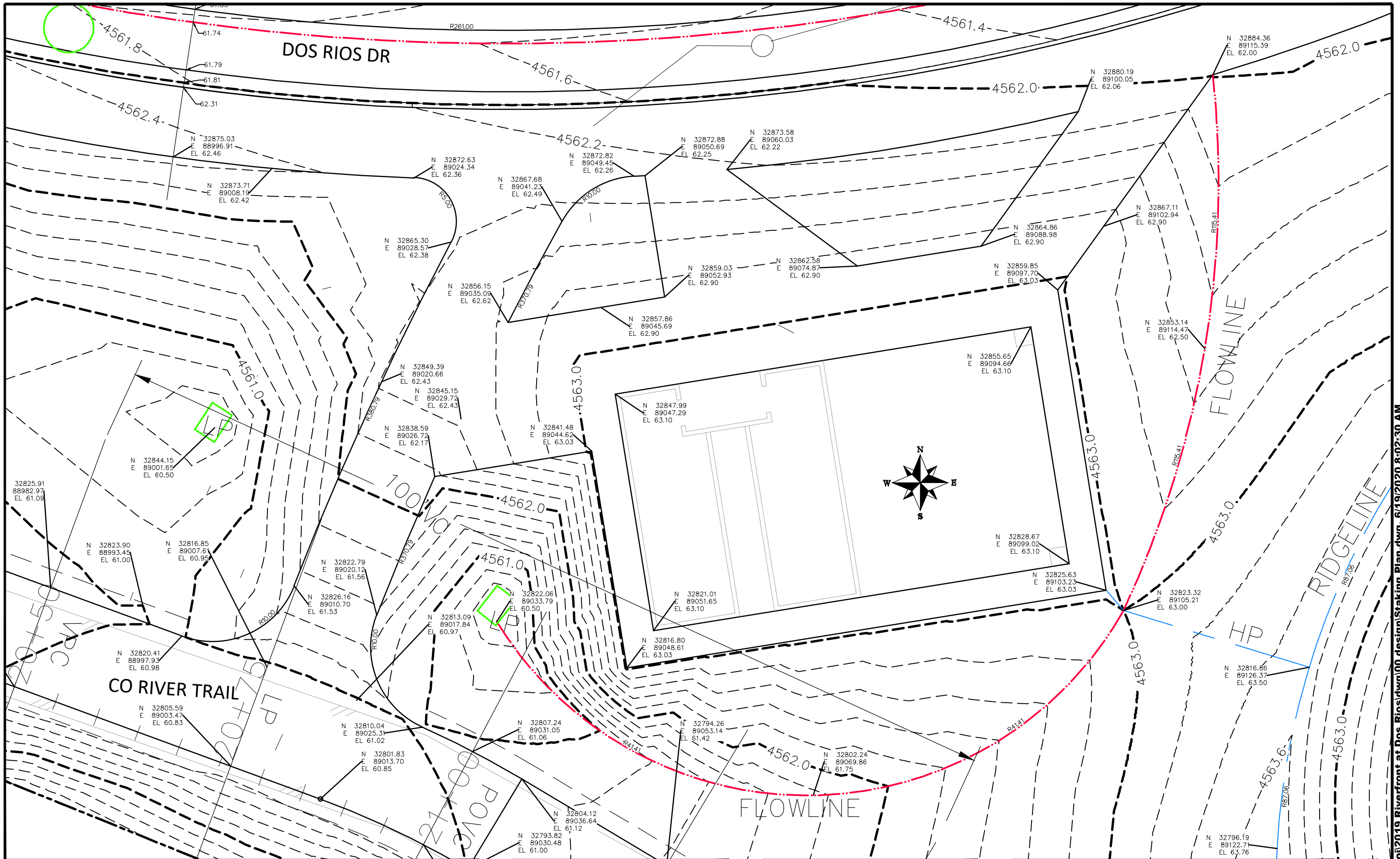
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 APPROVED BY TGP DATE 2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-57  
June 19, 2020





REVISION	DESCRIPTION	DATE
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DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	ICP	DATE	2019

SCALES:	
0	10
PLAN & PROFILE	
0	10
HORIZONTAL	
0	NA
VERTICAL	

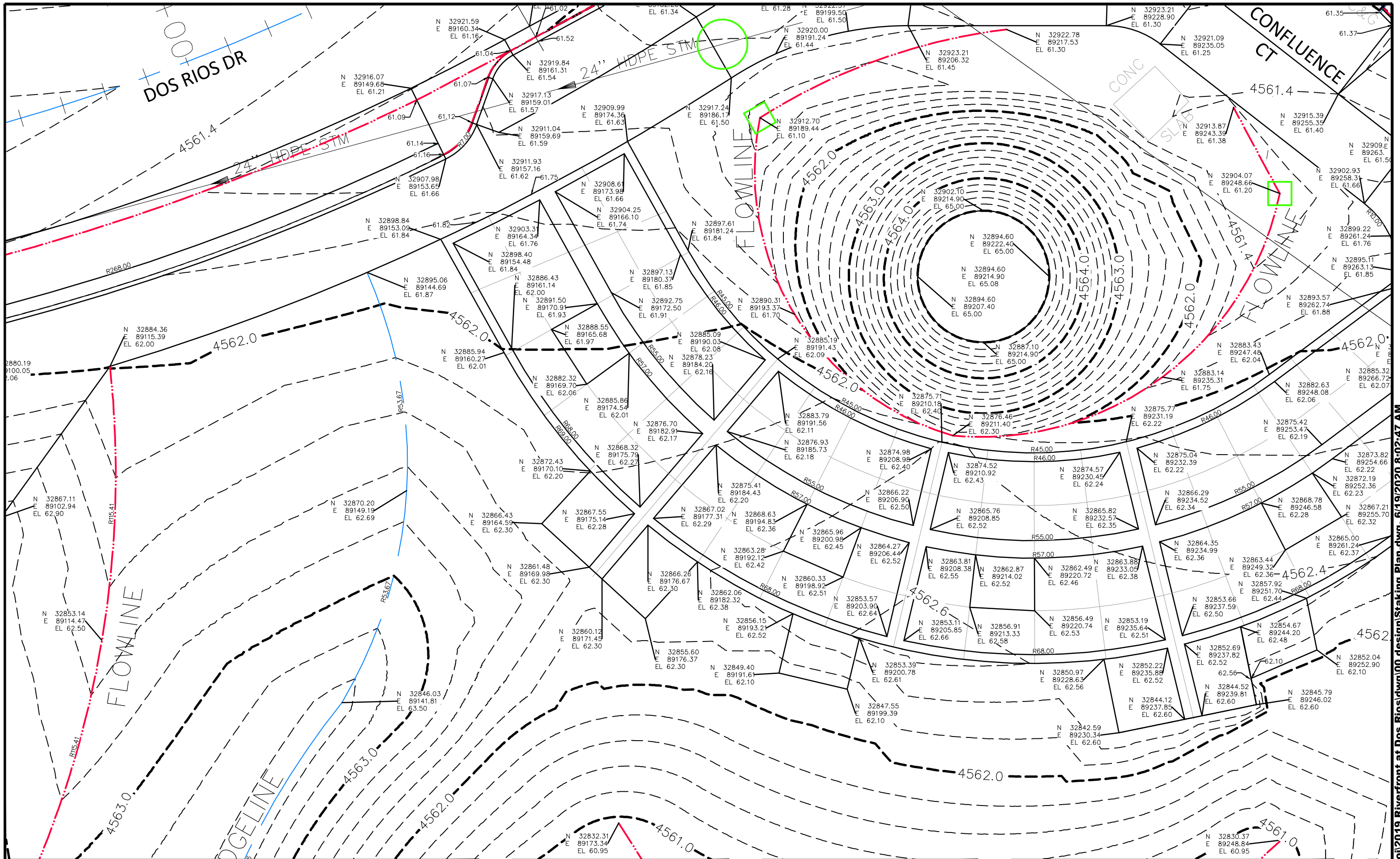


PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-59  
June 19, 2020

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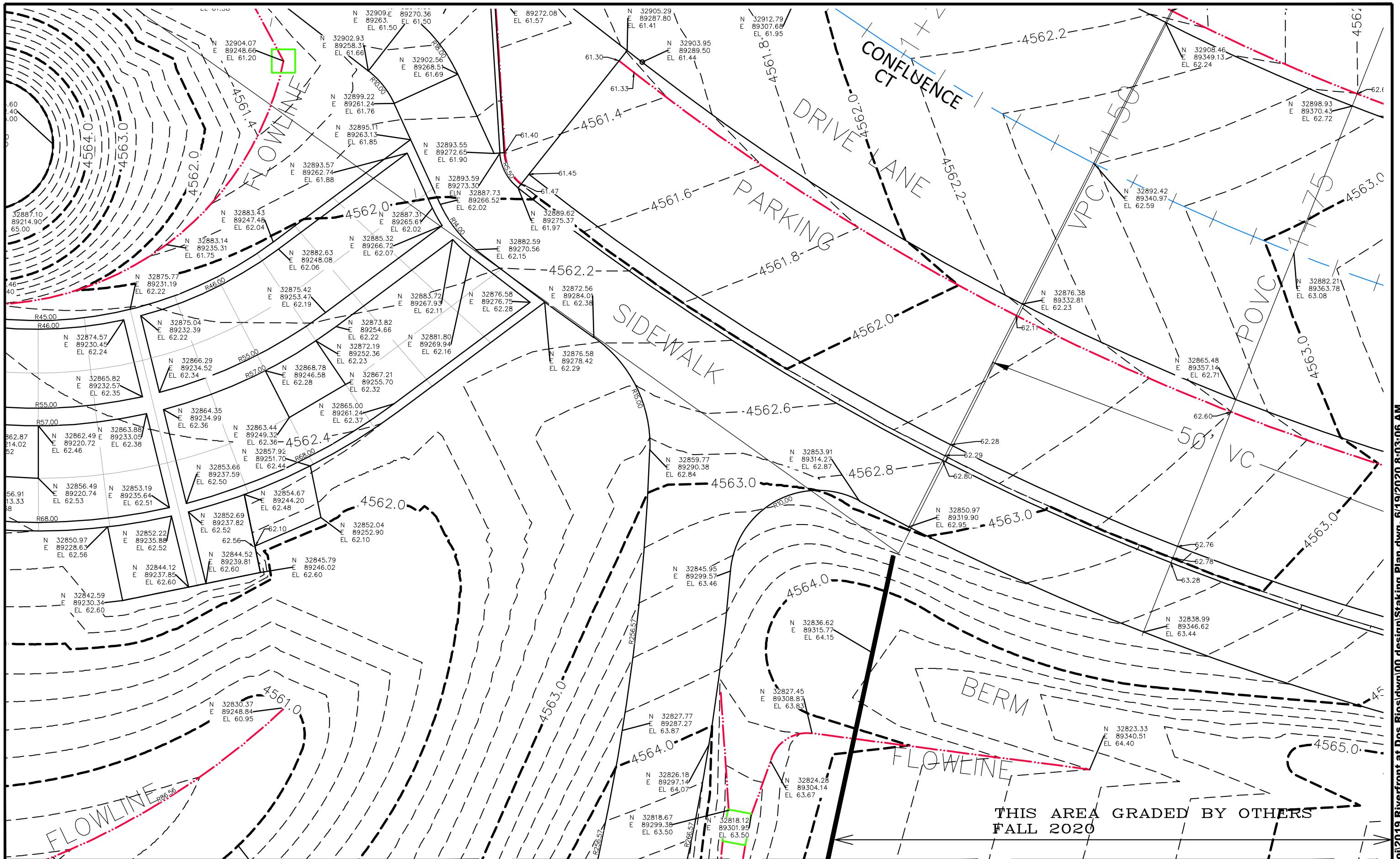
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PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-60  
June 19, 2020

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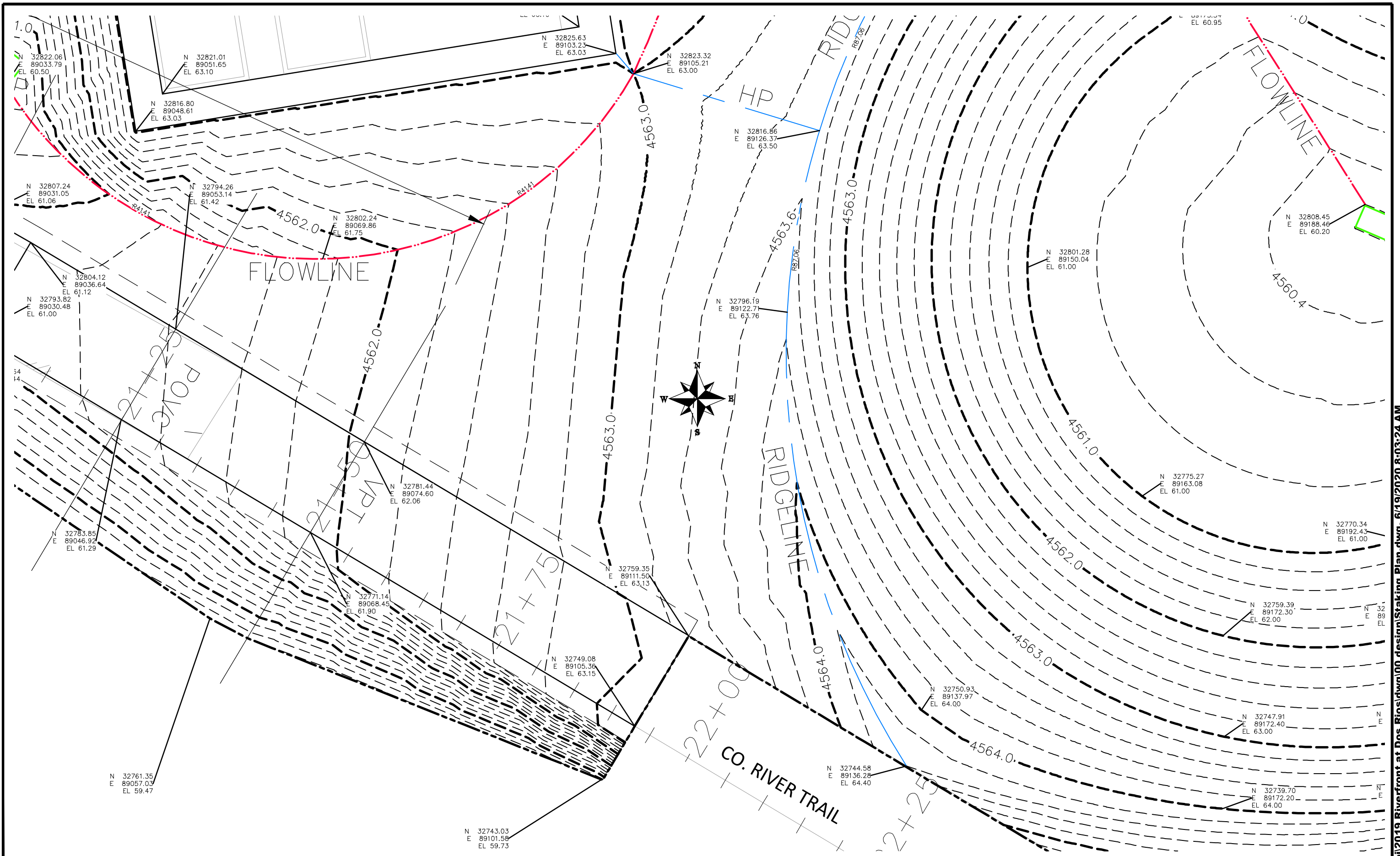
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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-61  
June 19, 2020





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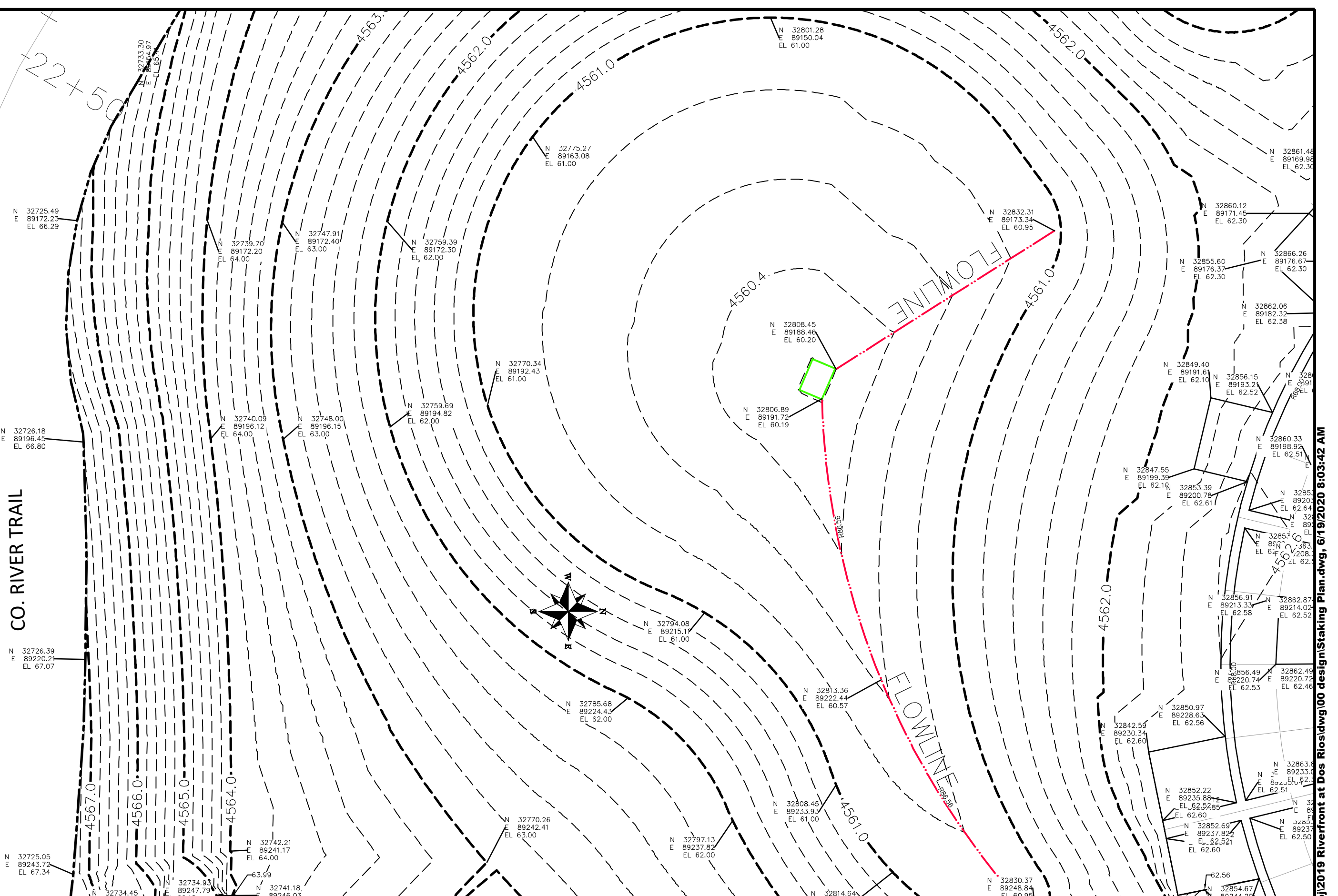
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ENGINEERING DIVISION

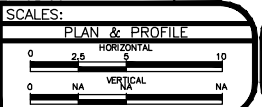
THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-62  
June 19, 2020

CO. RIVER TRAIL



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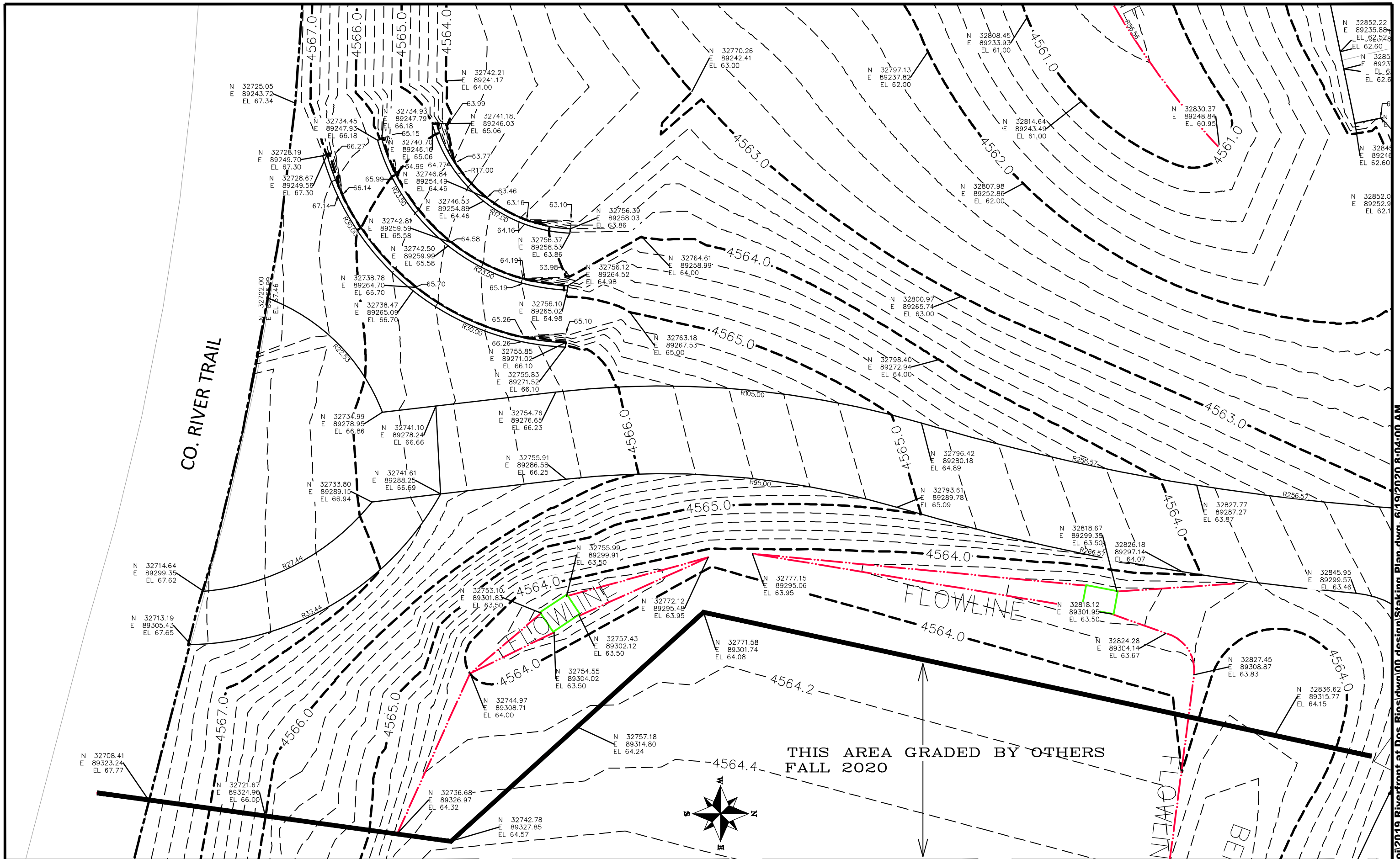


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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-63  
June 19, 2020

244

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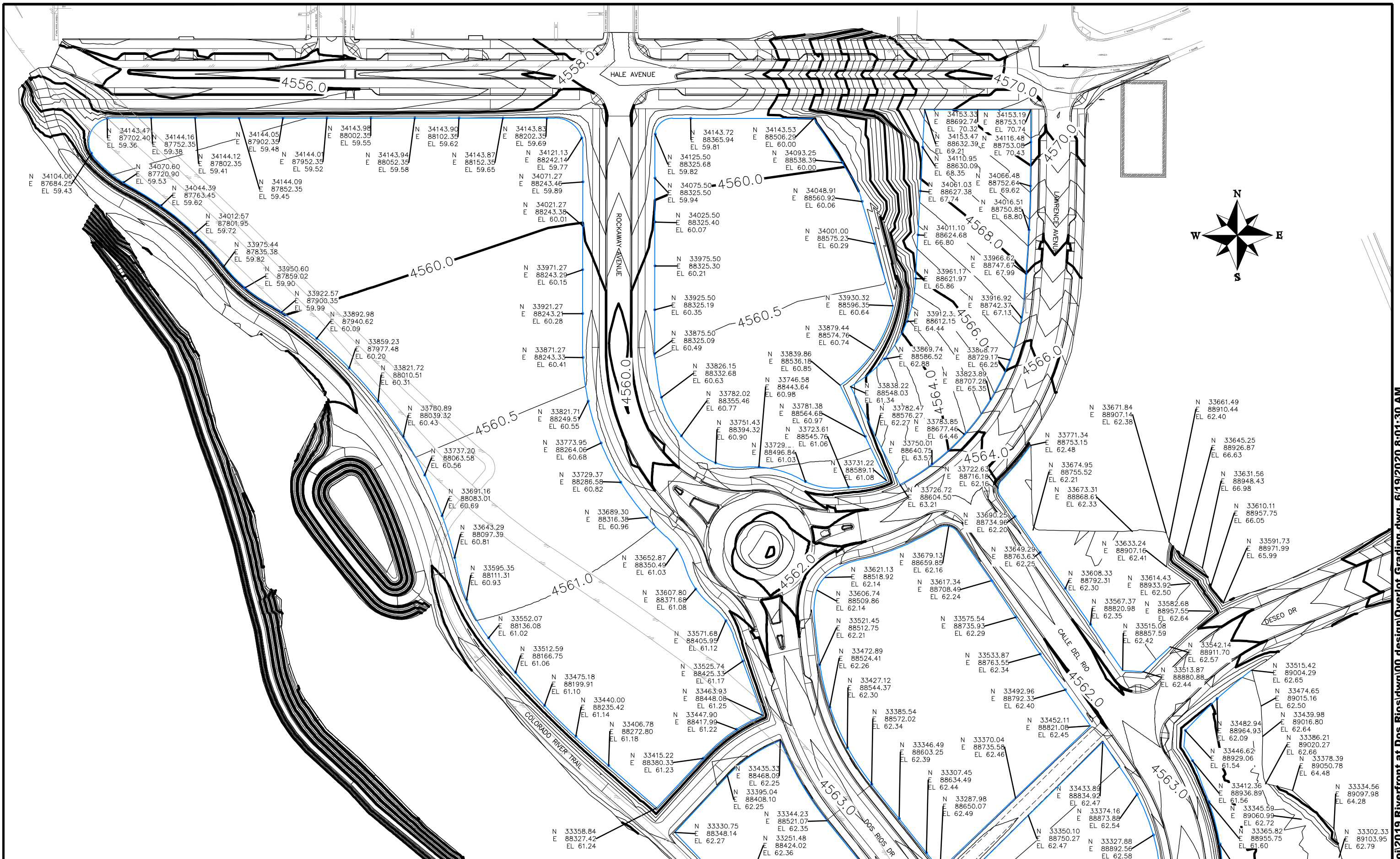


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THE RIVERFRONT AT DOS RIOS  
STAKING PLAN - ST-64  
June 19, 2020

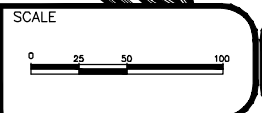
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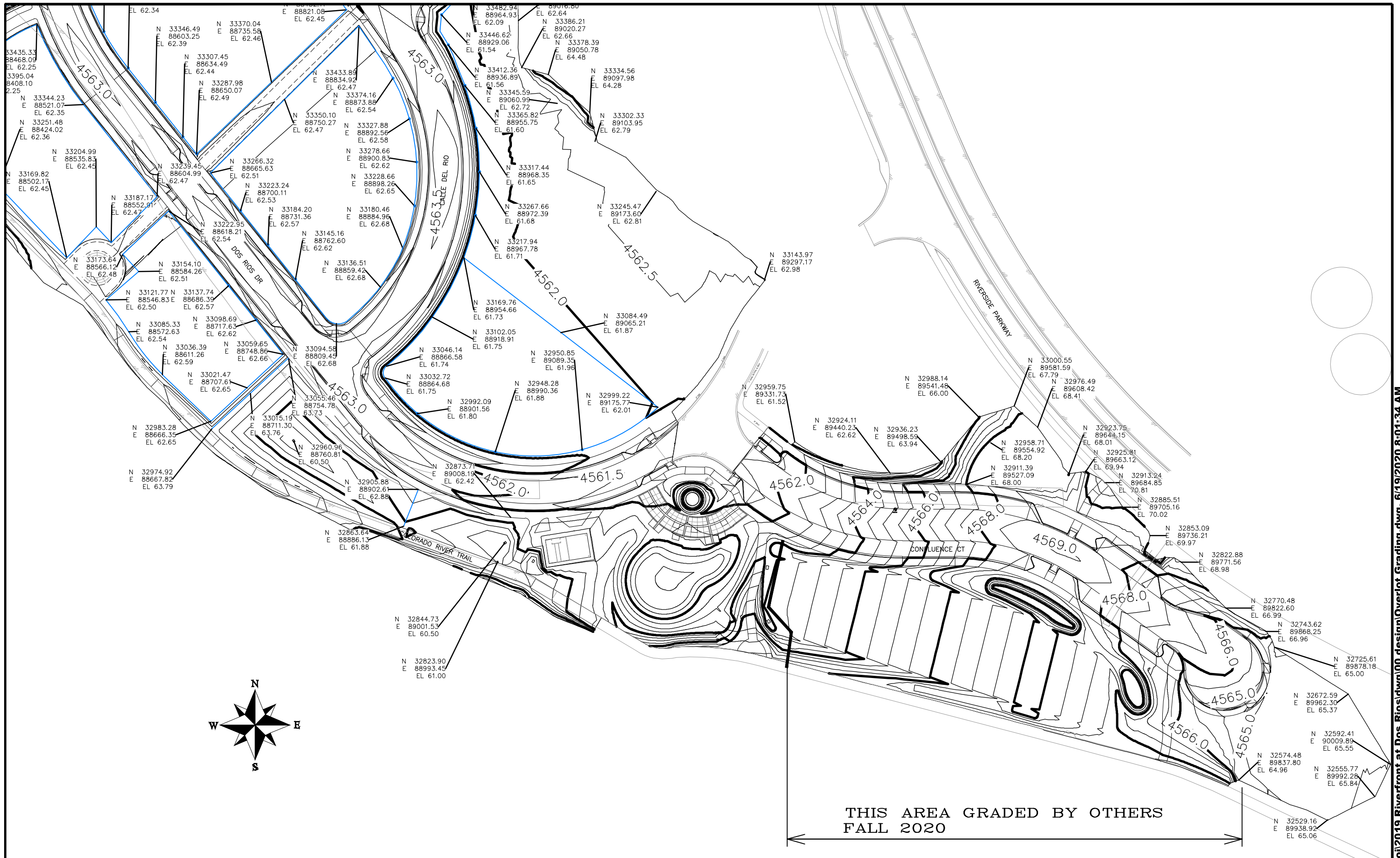
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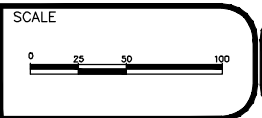
**THE RIVERFRONT AT DOS RIOS  
OVERLOT GRADING - 1  
June 19, 2020**

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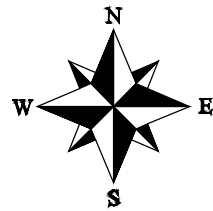


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THE RIVERFRONT AT DOS RIOS  
OVERLOT GRADING - 2  
June 19, 2020

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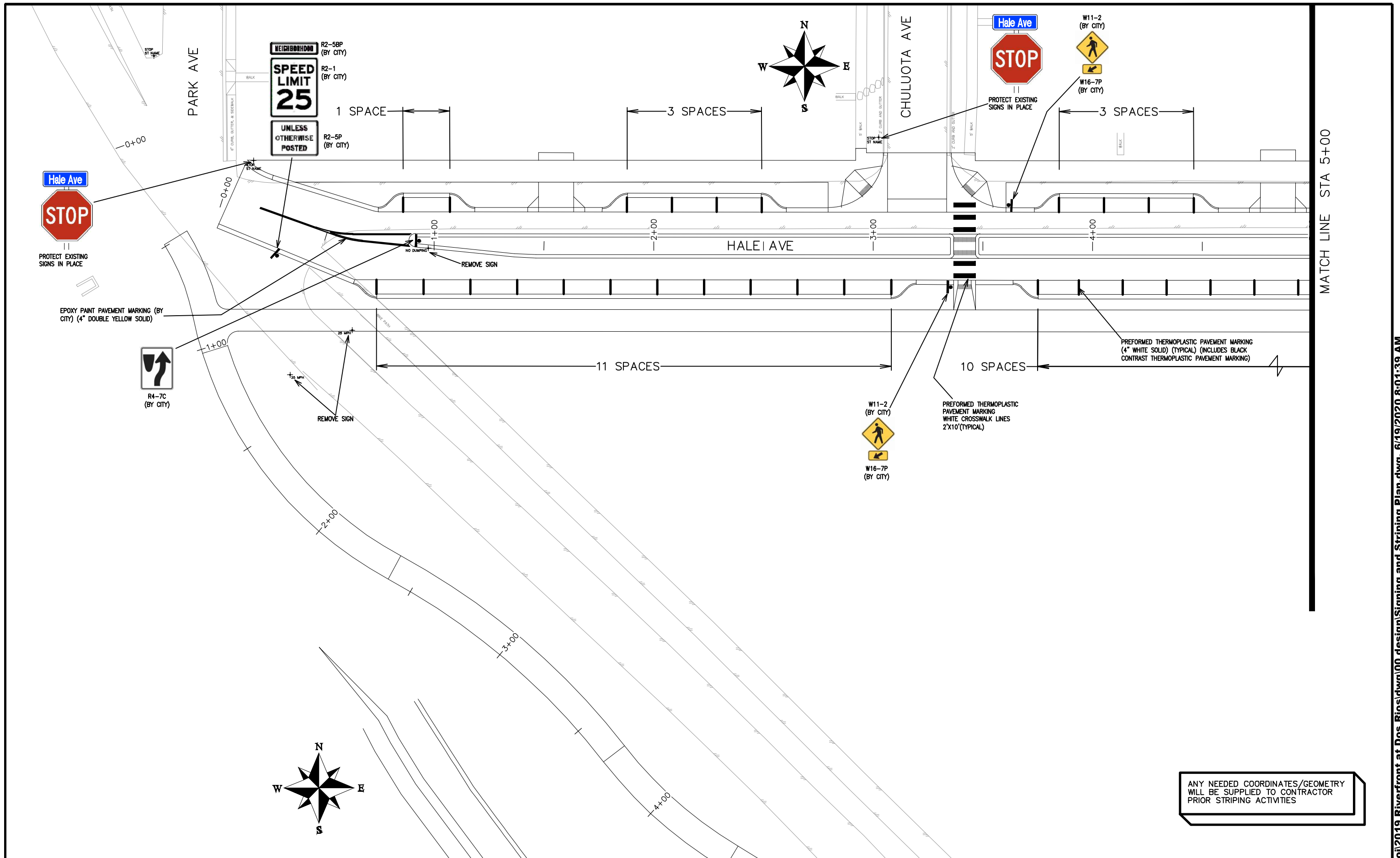


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THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN INDEX - 1  
June 19, 2020



MATCH LINE STA 5+00

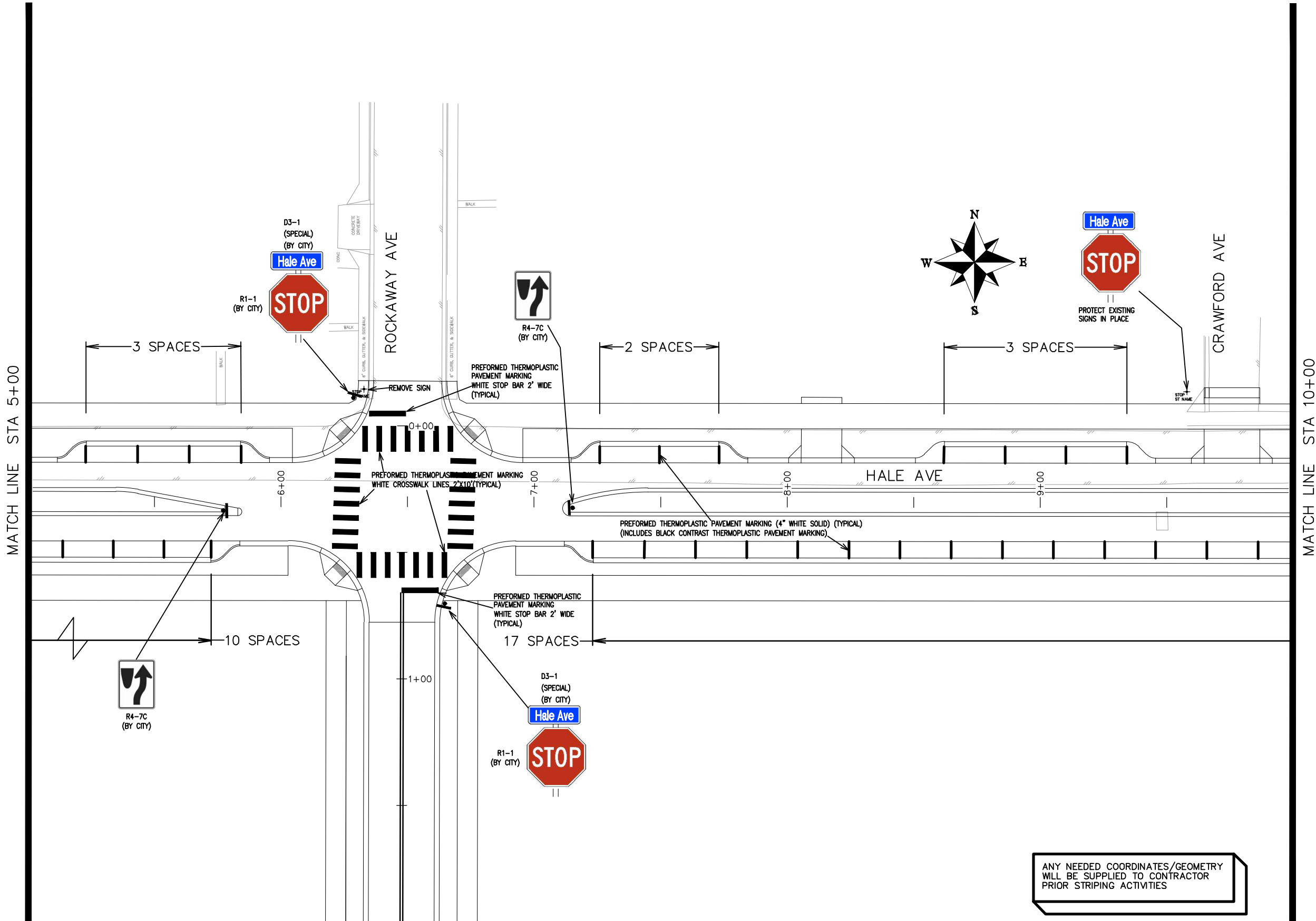
ANY NEEDED COORDINATES/GEOMETRY  
WILL BE SUPPLIED TO CONTRACTOR  
PRIOR STRIPING ACTIVITIES

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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN – SI-1  
June 19, 2020



ANY NEEDED COORDINATES/GEOMETRY  
WILL BE SUPPLIED TO CONTRACTOR  
PRIOR STRIPING ACTIVITIES

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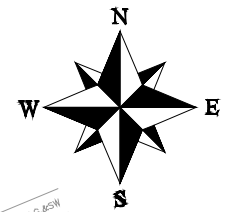
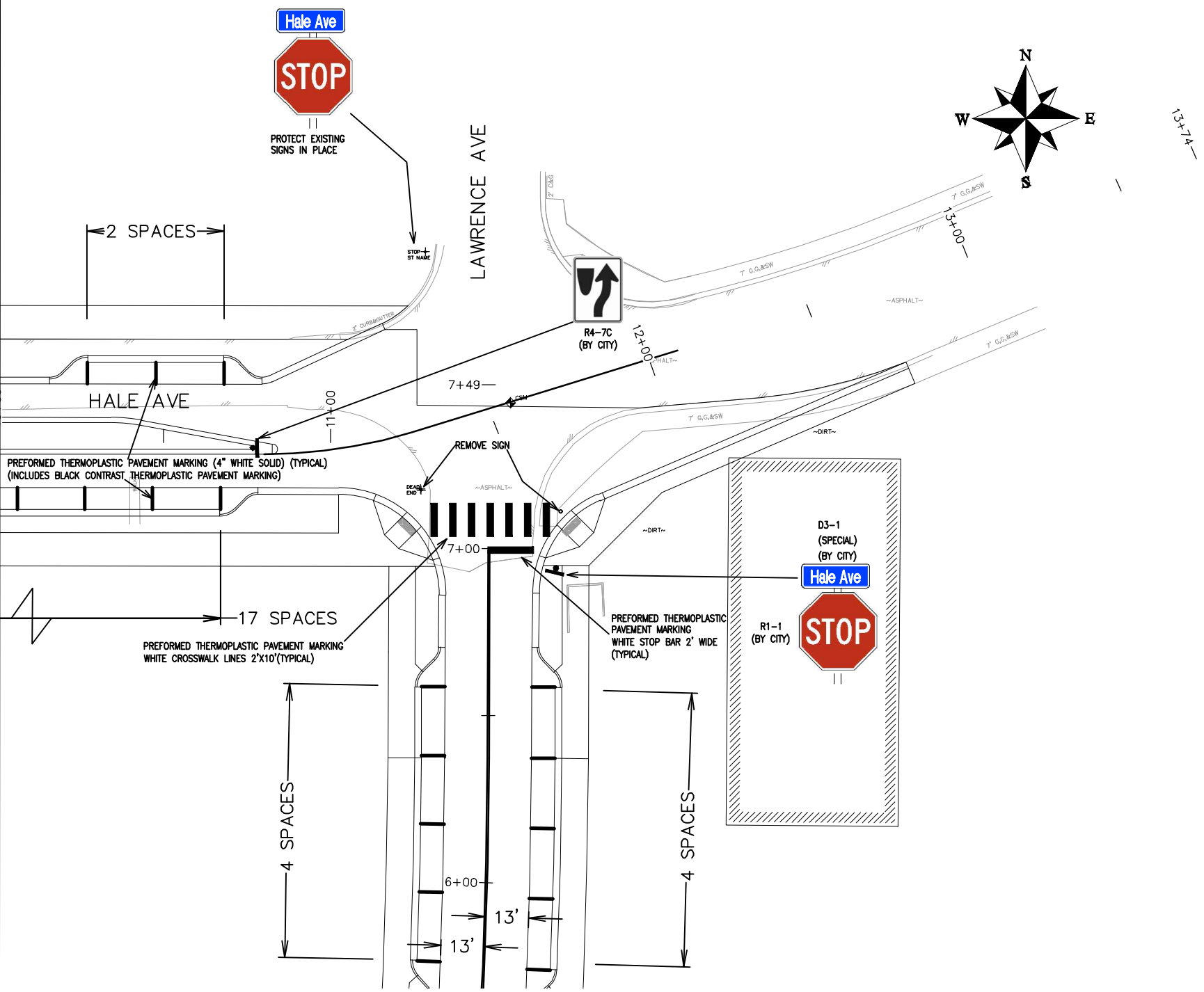
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THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN - SI-2  
June 19, 2020

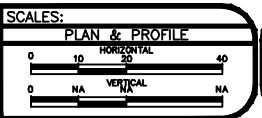
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ANY NEEDED COORDINATES/GEOMETRY  
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PRIOR STRIPING ACTIVITIES

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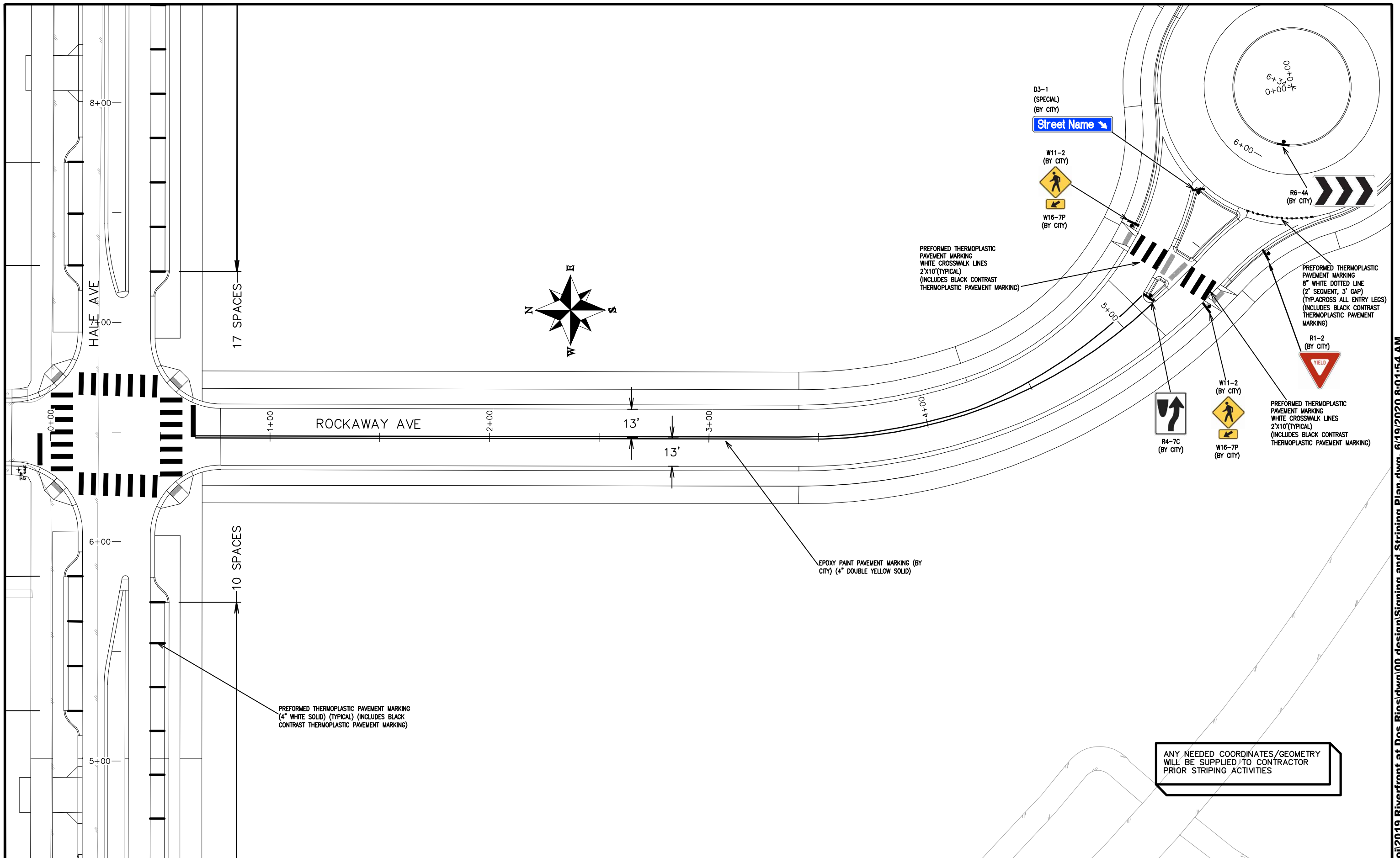
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ENGINEERING DIVISION

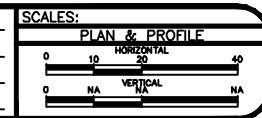
THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN - SI-3  
June 19, 2020





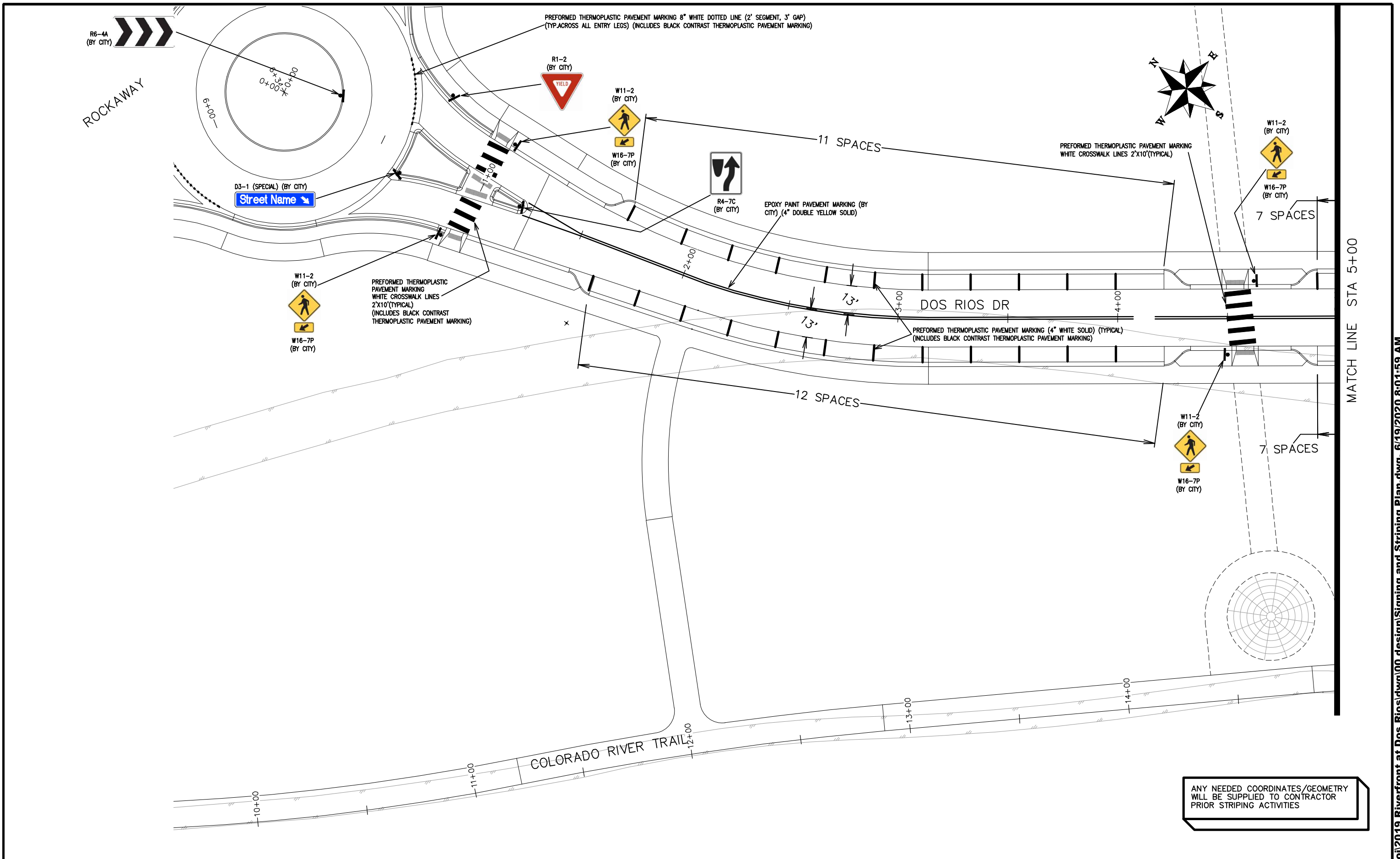
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DRAWN BY JCS DATE 2019  
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 APPROVED BY TCP DATE 2019



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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN - SI-4  
June 19, 2020



ANY NEEDED COORDINATES/GEOMETRY  
WILL BE SUPPLIED TO CONTRACTOR  
PRIOR STRIPING ACTIVITIES

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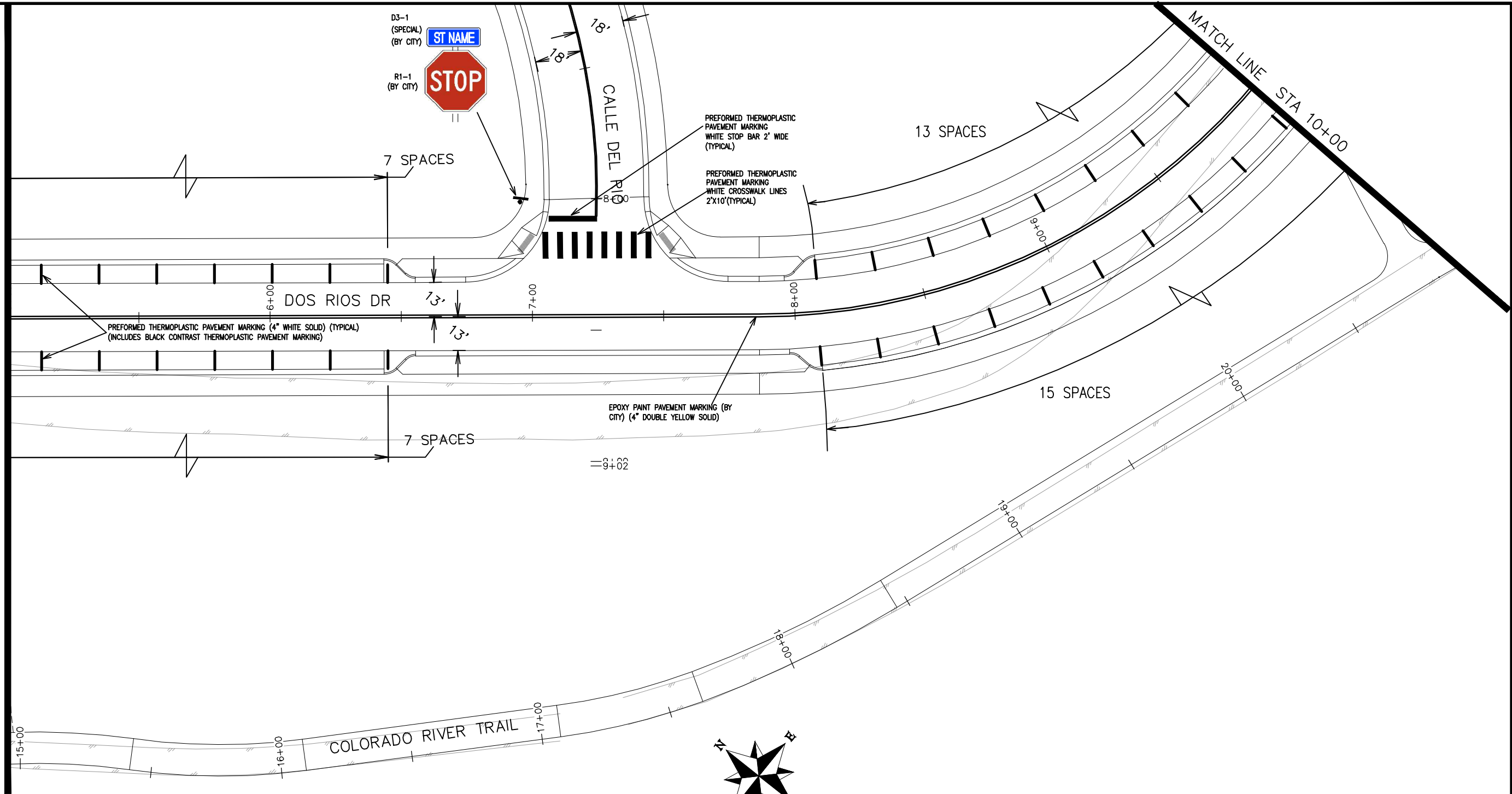
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN - SI-5  
June 19, 2020

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MATCH LINE STA 5+00

MATCH LINE STA 10+00



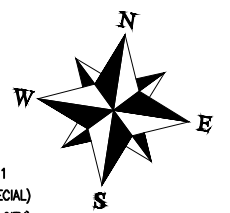
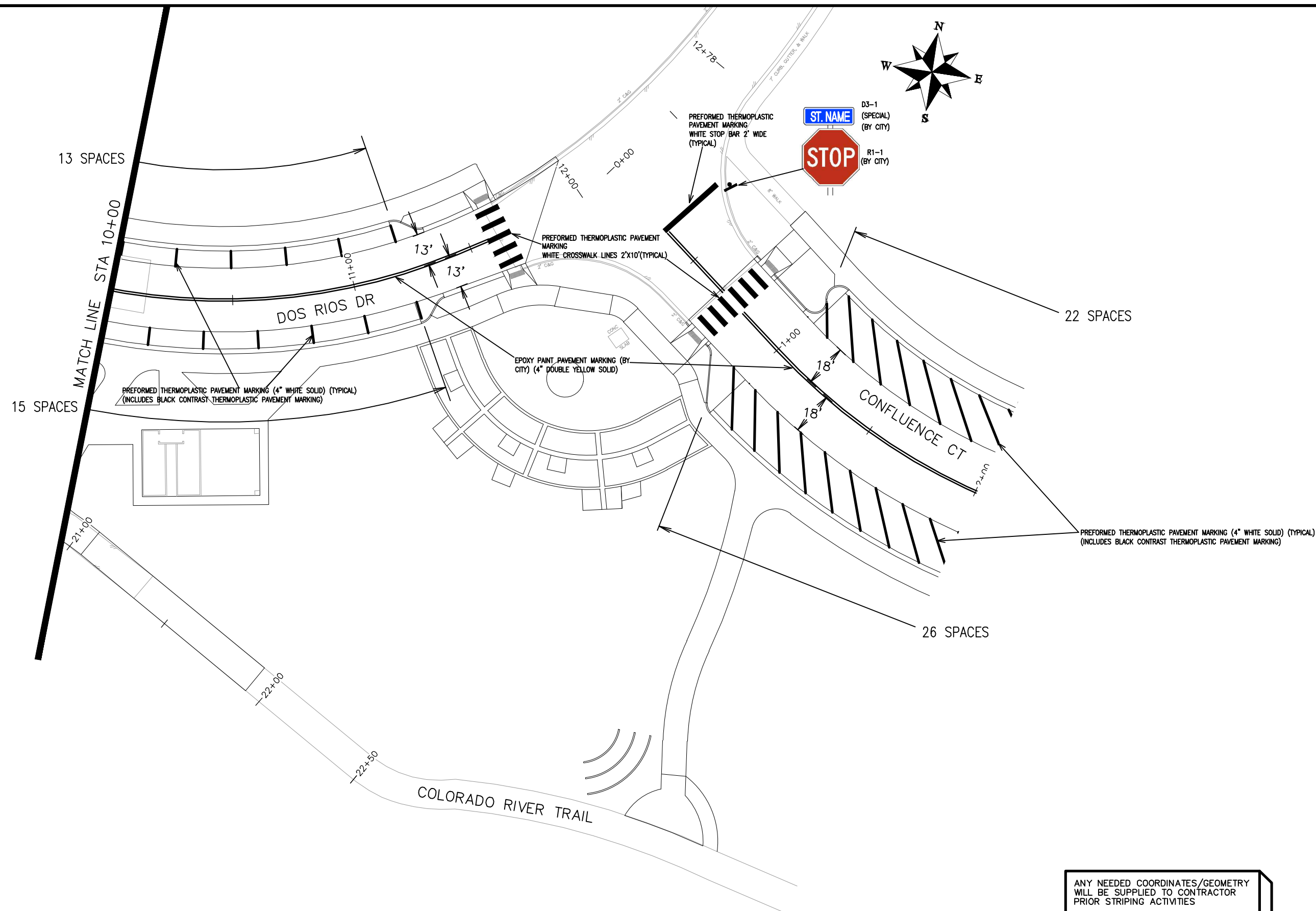
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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN - SI-6  
June 19, 2020



ANY NEEDED COORDINATES/GEOMETRY  
WILL BE SUPPLIED TO CONTRACTOR  
PRIOR STRIPING ACTIVITIES

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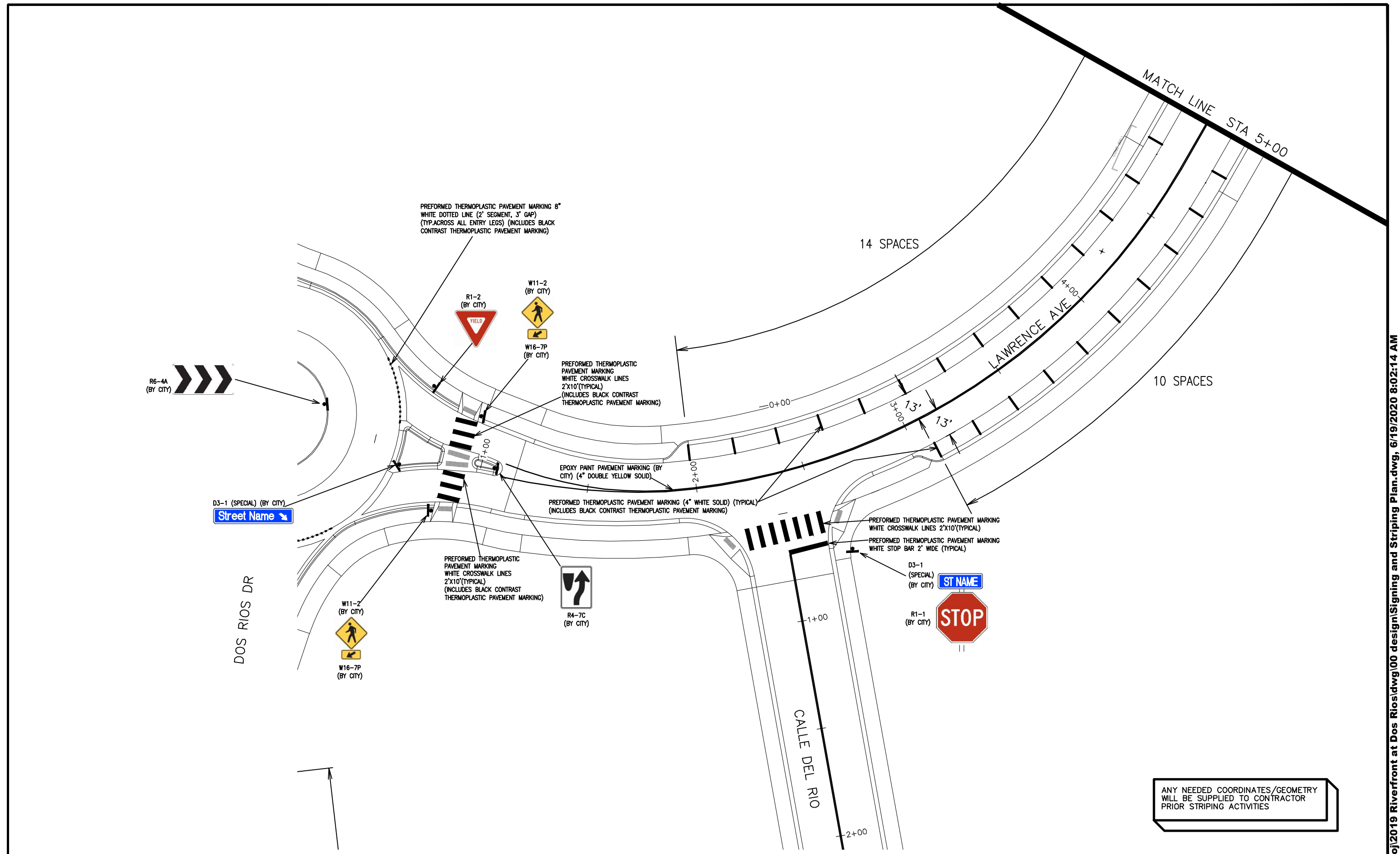


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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN - SI-7  
June 19, 2020

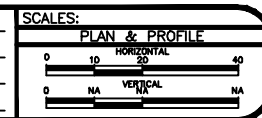
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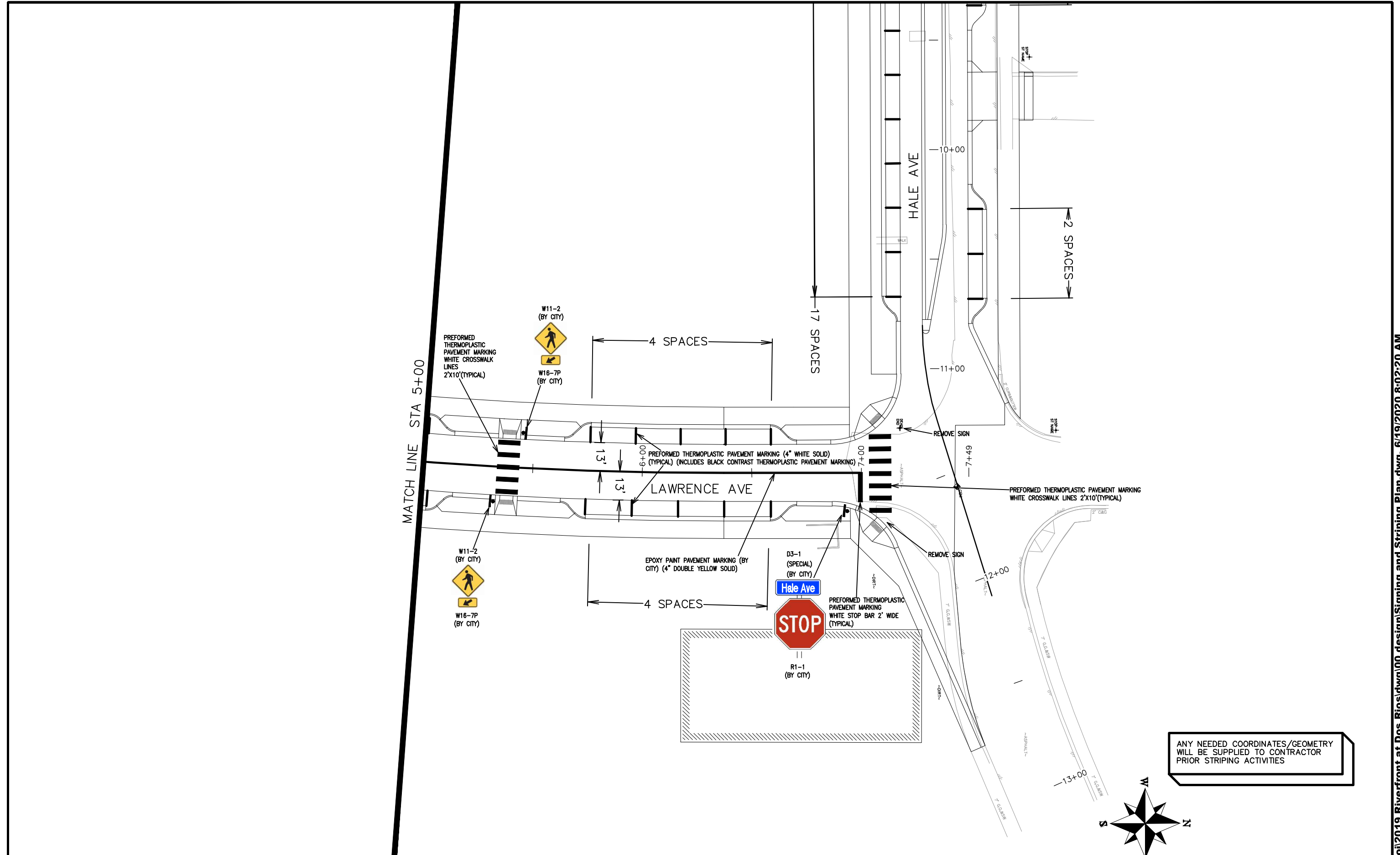
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THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN - SI-8  
June 19, 2020

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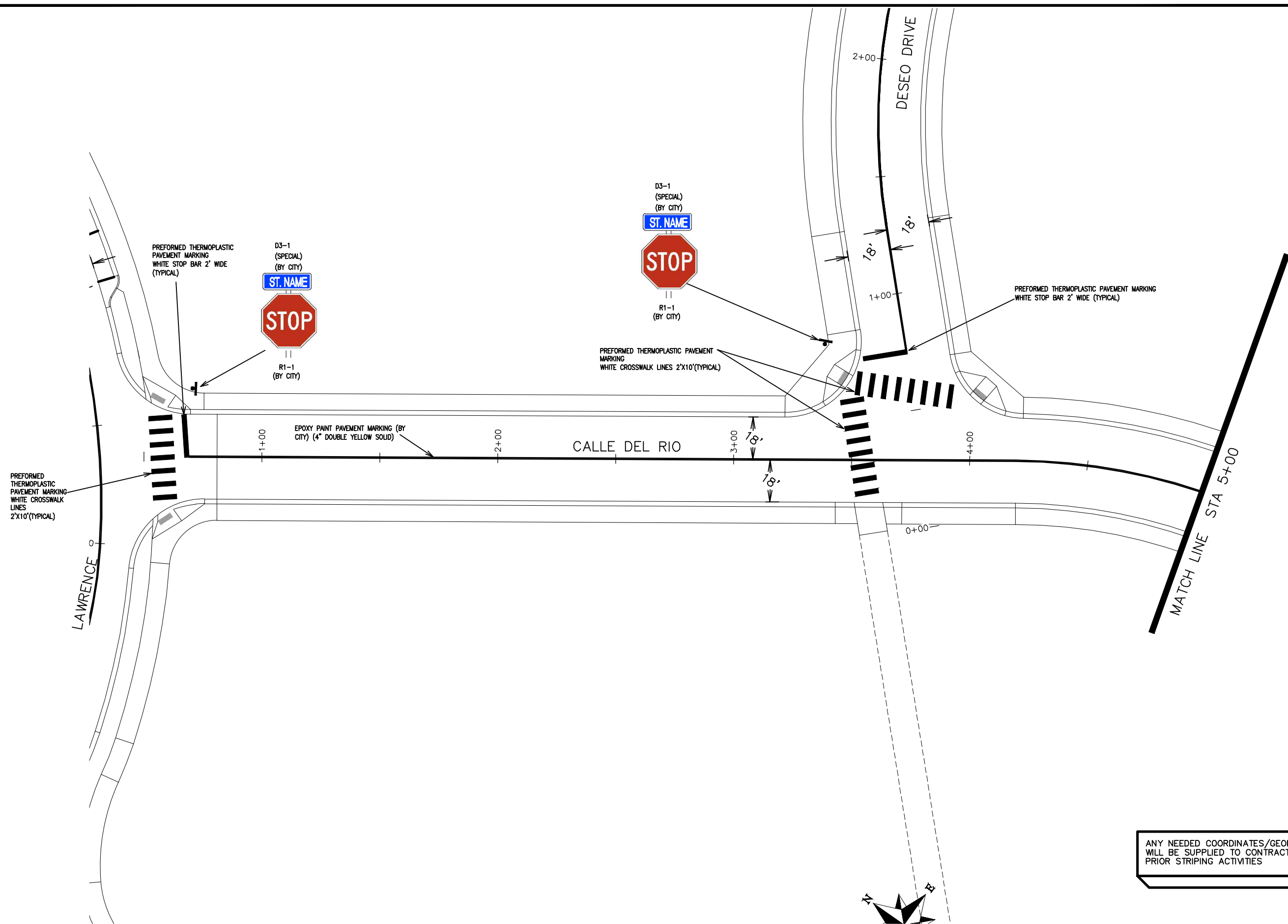
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SCALES:	
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HORIZONTAL	1" = 40'
VERTICAL	1" = 10'



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ENGINEERING DIVISION

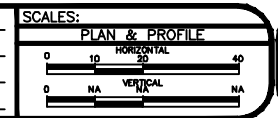
THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN – SI-9  
June 19, 2020



ANY NEEDED COORDINATES/GEOMETRY  
WILL BE SUPPLIED TO CONTRACTOR  
PRIOR STRIPING ACTIVITIES

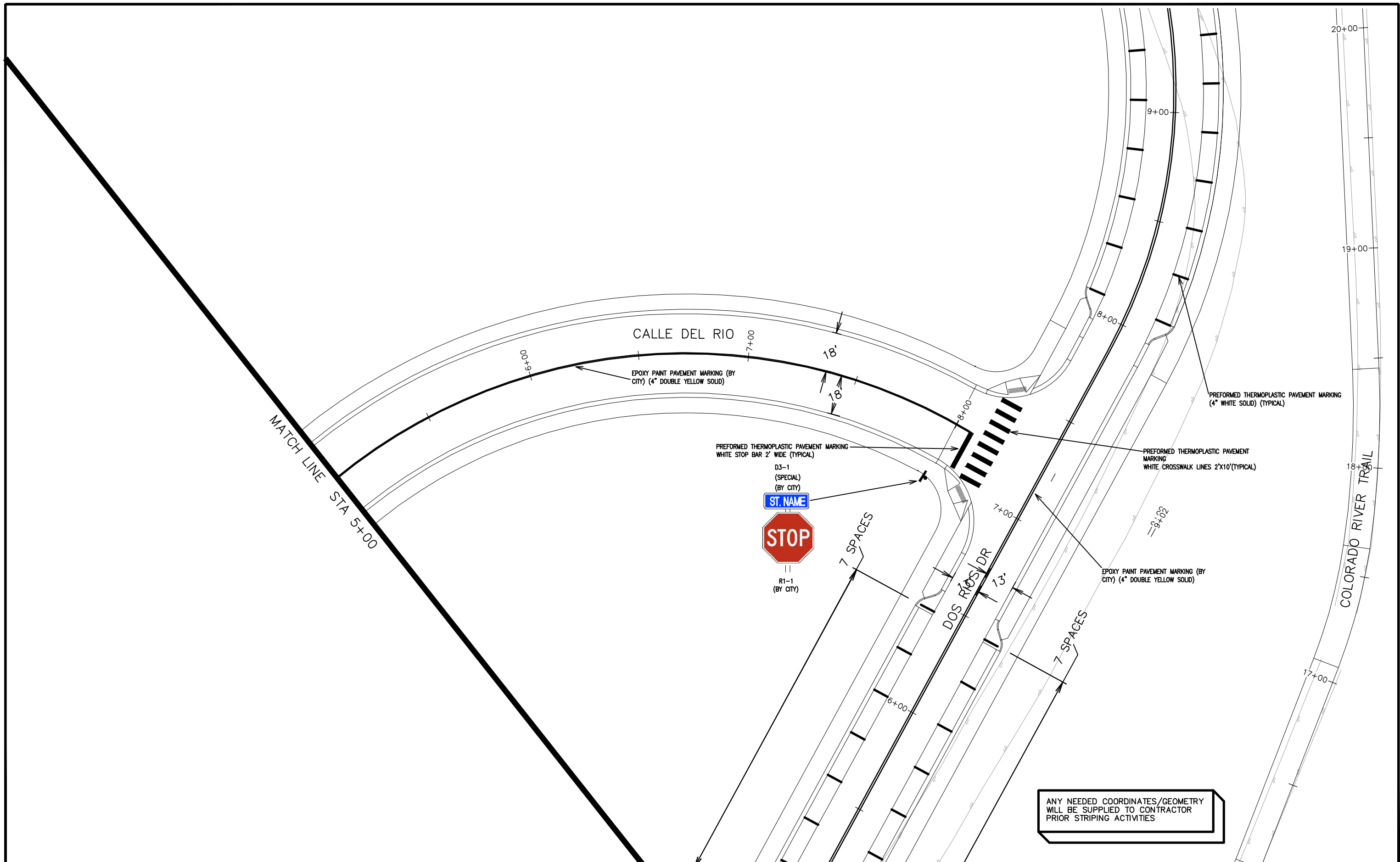
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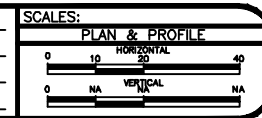
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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN - SI-10  
June 19, 2020



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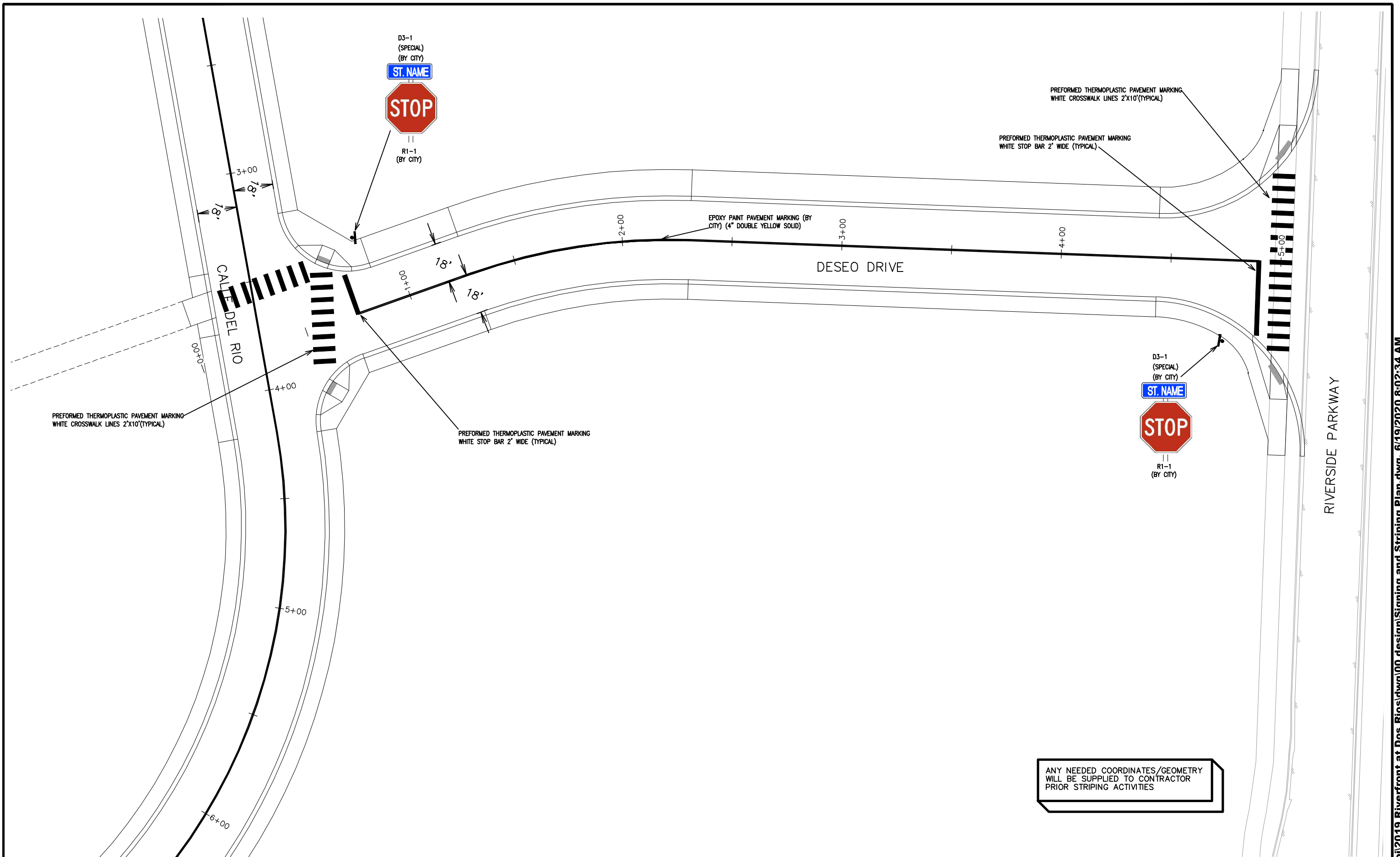
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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN – SI-11  
June 19, 2020





ANY NEEDED COORDINATES/GEOMETRY  
WILL BE SUPPLIED TO CONTRACTOR  
PRIOR STRIPING ACTIVITIES

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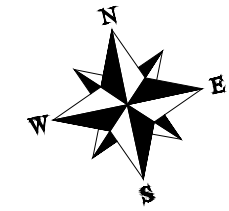
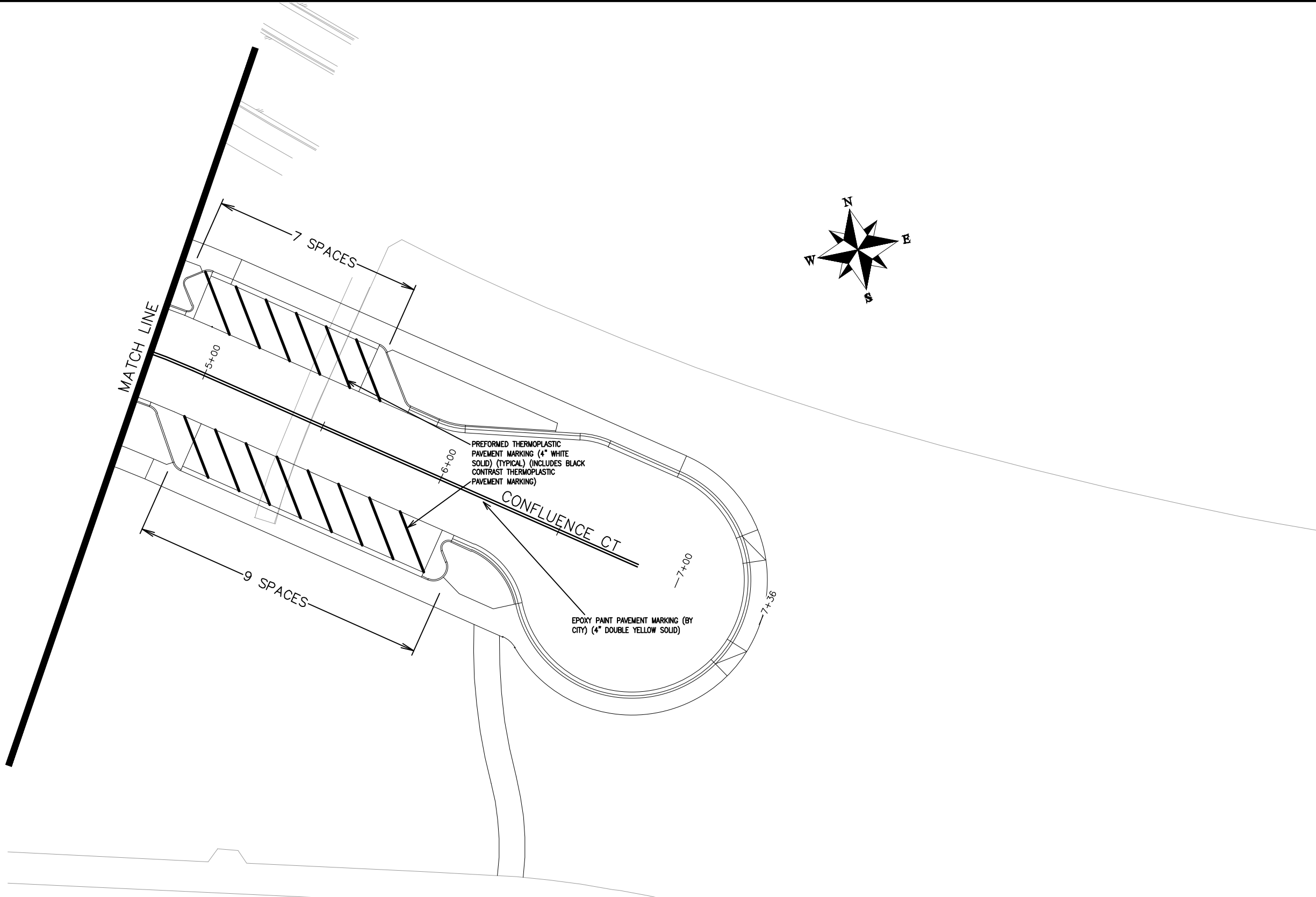
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VERTICAL	1" = 10'



PUBLIC WORKS  
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THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN - SI-12  
June 19, 2020





ANY NEEDED COORDINATES/GEOMETRY  
WILL BE SUPPLIED TO CONTRACTOR  
PRIOR STRIPING ACTIVITIES

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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
SIGNING AND STRIPING PLAN - SI-14  
June 19, 2020

EROSION CONTROL MEASURES

Contractor to update the SWMP according to specific construction phasing and stormwater management practices for current construction activity when warranted.

Site Description

1. The site has a total disturbance area of 40± acres with the majority of disturbance being caused by the development of The Riverfront at Dos Rios Business Park.
2. Stormwater leaves the central portion and majority of the site through a 48" RCP installed as a part of improvements as the outlet works for a permanent water quality basin where it drains directly to the Colorado River. Stormwater leaves the east portion of the site through a 36" RCP that discharges into the existing water quality basin that in turn drains to the Colorado River via an existing outlet works system. Stormwater leaves the improvements to be made to Hale Ave through an existing storm drain system at the west end of Hale Ave. that drains directly to the Colorado River.
3. Proposed utilities for this project include: storm drain, sanitary sewer, potable water, gas, electricity, telephone, cable television, and broadband infrastructure.

EROSION CONTROL MEASURES

Performance Standards

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

1. Any grading shall be conducted in such a manner so as to effectively reduce accelerated soil erosion and resulting sedimentation.
2. 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.
3. Sediment caused by accelerated soil erosion shall be removed from runoff water before leaving the site.
4. The contractor shall try to minimize the amount of disturbance necessary for the construction project by preserving established vegetation to act as a BMP.

During Construction (Temporary Measures)

1. Anchored Straw Bales (ASB): The use of hay bales is proposed as a culvert outlet trap at the 48" RCP outlet from the new permanent water quality basin and at the 36" RCP outlet that discharges to the existing water quality basin on the east end of the site to stop any sediment produced from stormwater runoff from continuing to the Colorado River.
2. Erosion Logs: The use of erosion logs is proposed at the toe of cut and 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.
3. Inlet Protection: The use of inlet protection is proposed at all inlets to trap sediment before entering the storm drain system.

After Construction (Permanent Measures)

1. Rip-Rap: The use of rip-rap per construction drawings is proposed for around the outlet of several pipes as noted and shown.
1. Reseeding: the majority of the site will be seeded with grass or other plantings as shown in the landscape plans. All disturbed areas will be seeded if otherwise not proposed to be paved.

Maintenance

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

General Notes

1. The SWMP establishes the minimum acceptable requirements for stormwater pollution prevention on site. The Contractor may supplement these requirements as appropriate for specific construction activities. Any changes to the practices shown on this plan must be reviewed by Project Inspector/Engineer prior to implementation.
2. At all times during construction, erosion and sediment control shall be maintained by the contractor or his designated representative.
3. Erosion control systems shall be installed as grading progresses.
4. The Contractor shall provide and maintain a portable concrete washout facility.
5. Details shown are schematic only. Adjust as necessary to fit field conditions.
6. 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).
7. Negative impacts to downstream areas (or receiving waters) caused by the slope grading to be monitored and corrected by the contractor.
8. Construction traffic entrances shall be cleaned on a continual basis during slope grading.
9. A copy of the SWMP and construction plans shall be maintained on site at all times.

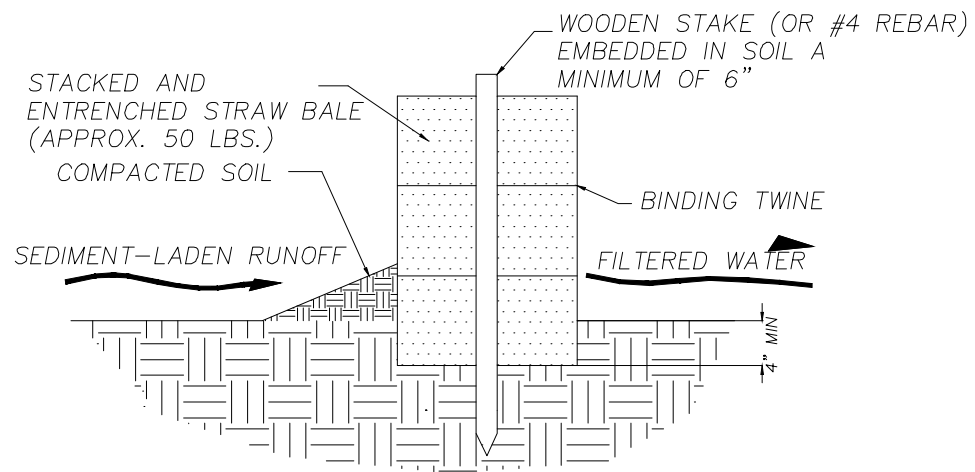
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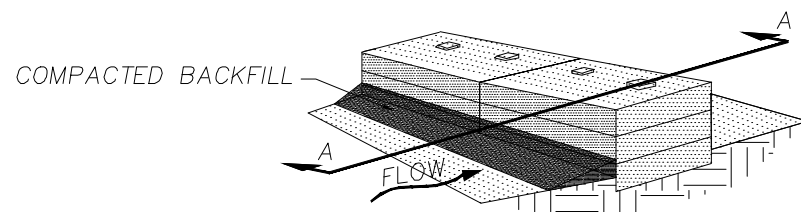
PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM WATER MANAGEMENT PLAN – SH1 1  
June 19, 2020

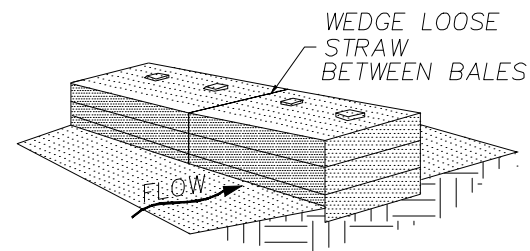




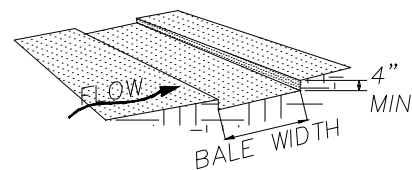
SECTION A-A



STEP 3. PLACE COMPACTED BACKFILL AGAINST THE UPSTREAM FACE.

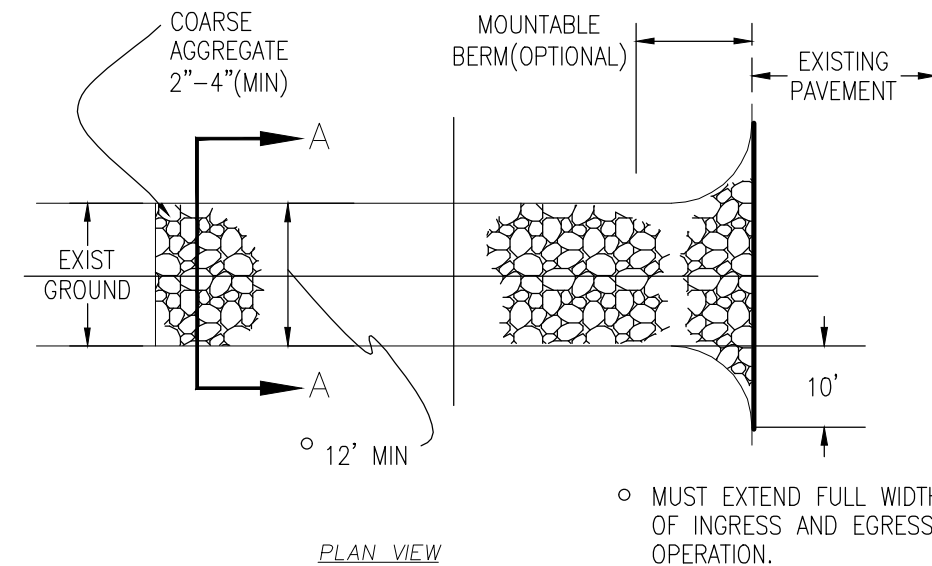


STEP 2. PLACE BALE IN TRENCH, STAKE IN PLACE

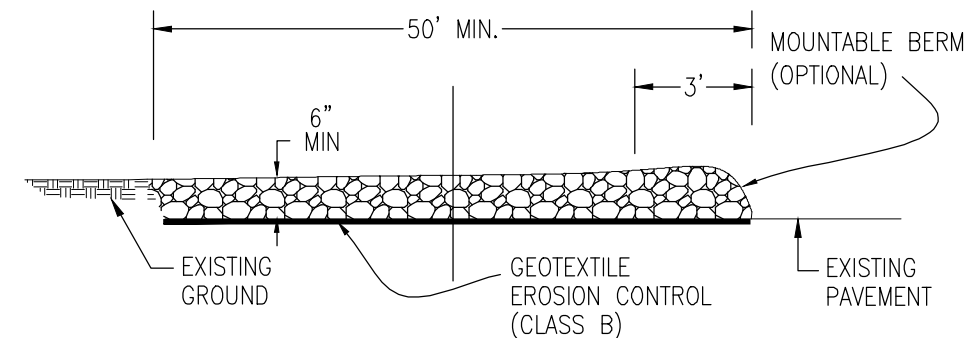


STEP 1. EXCAVATE TRENCH FOR BALES

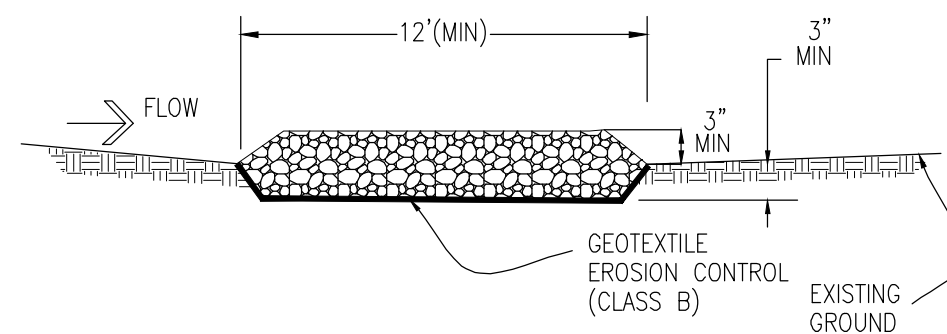
BALE INSTALLATION PROCEDURE



PLAN VIEW

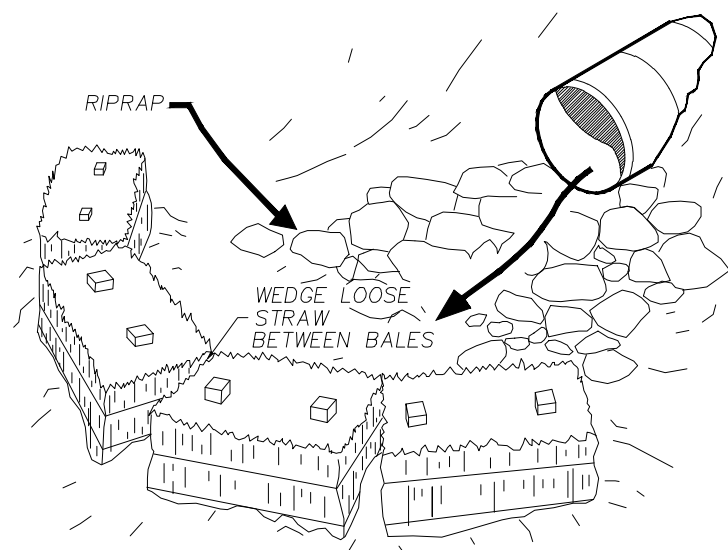


SIDE ELEVATION



SECTION A-A

STABILIZED CONSTRUCTION ENTRANCE



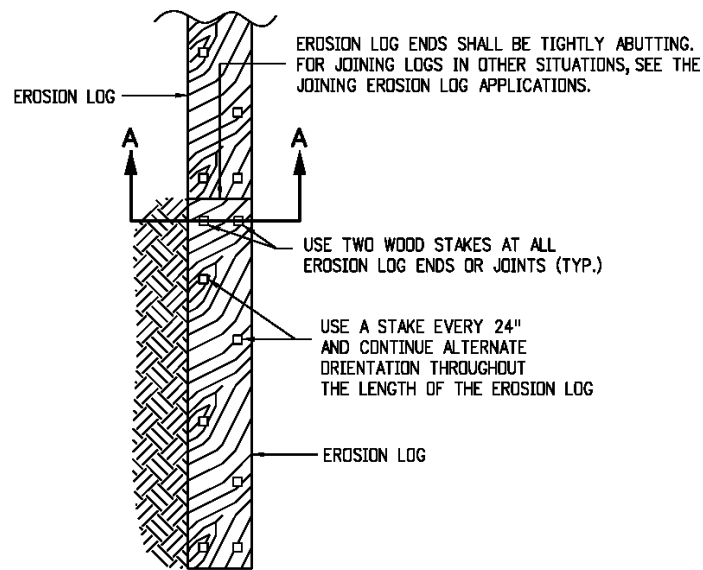
CULVERT OUTLET TRAP  
N.T.S.  
ANCHORED STRAW BALE (A.S.B.)

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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REVISION			JCS	2019	
REVISION			BH	2019	
REVISION			TCP	2019	
REVISION					

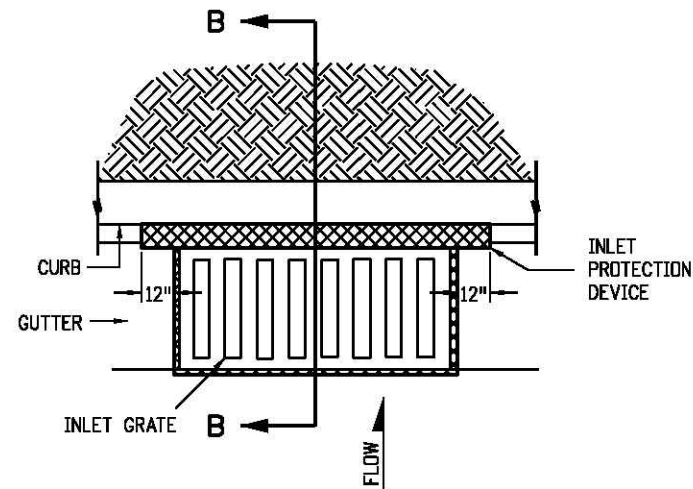


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ENGINEERING DIVISION

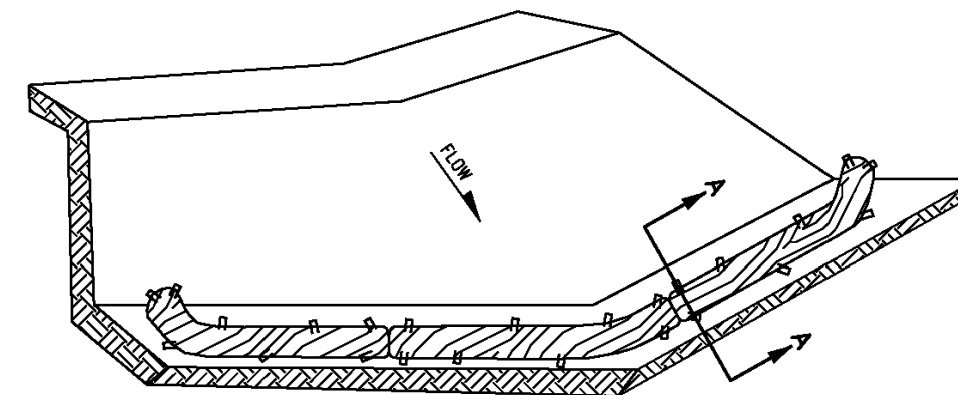
THE RIVERFRONT AT DOS RIOS  
STORM WATER MANAGEMENT PLAN - SH1 2  
June 19, 2020



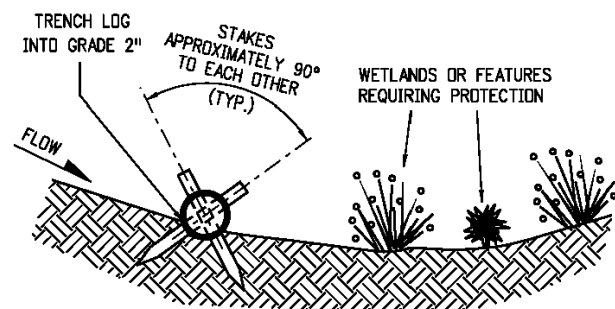
PLAN VIEW



PLAN VIEW

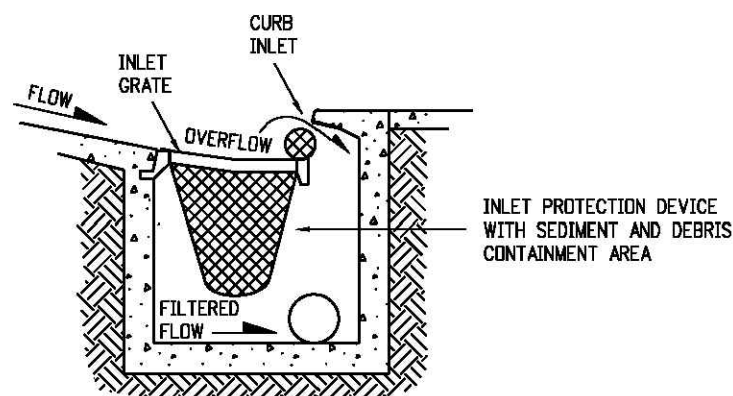


ISOMETRIC VIEW



SECTION A-A

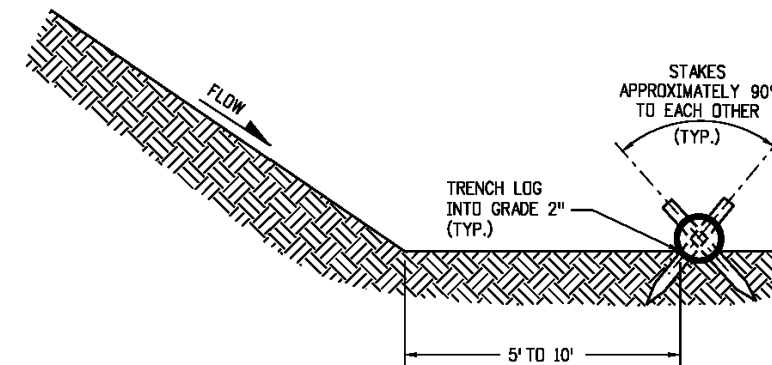
TYPICAL STAKE INSTALLATION



SECTION B-B

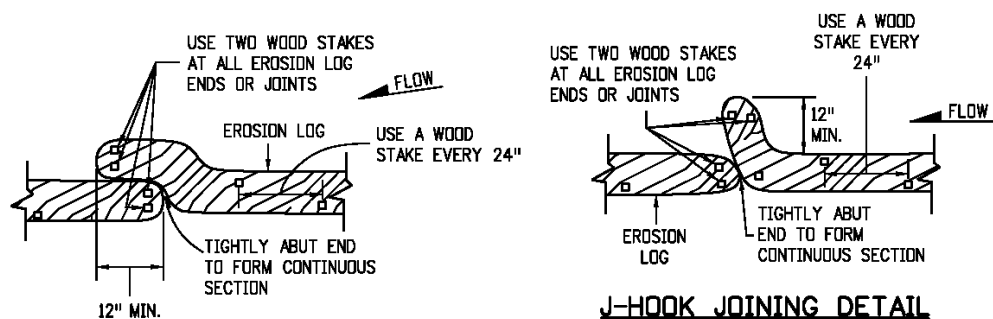
OPTION A

STORM DRAIN INLET PROTECTION (TYPE II)



SECTION A-A

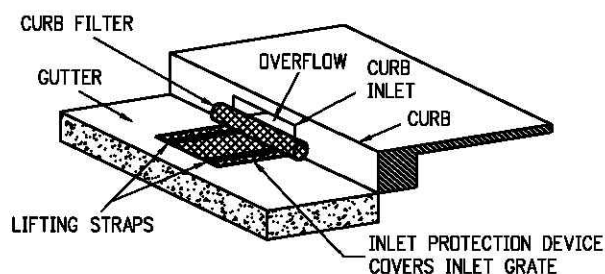
EROSION LOG TOE OF SLOPE PROTECTION



OVERLAP JOINING DETAIL

J-HOOK JOINING DETAIL

JOINING EROSION LOG APPLICATIONS



ISOMETRIC VIEW

OPTION B

STORM DRAIN INLET PROTECTION (TYPE II)

NOTES:

1. EROSION LOGS USED AT TOE OF SLOPE SHALL BE PLACED 5 TO 10 FEET BEYOND TOE OF SLOPE TO PROVIDE STORAGE CAPACITY.
2. EROSION LOGS SHALL BE PLACED ON THE CONTOUR WITH ENDS FLARED UP SLOPE.
3. SEE SHEET 2 OF 11 FOR JOINING LOGS DETAIL.

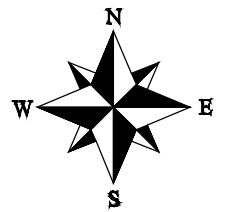
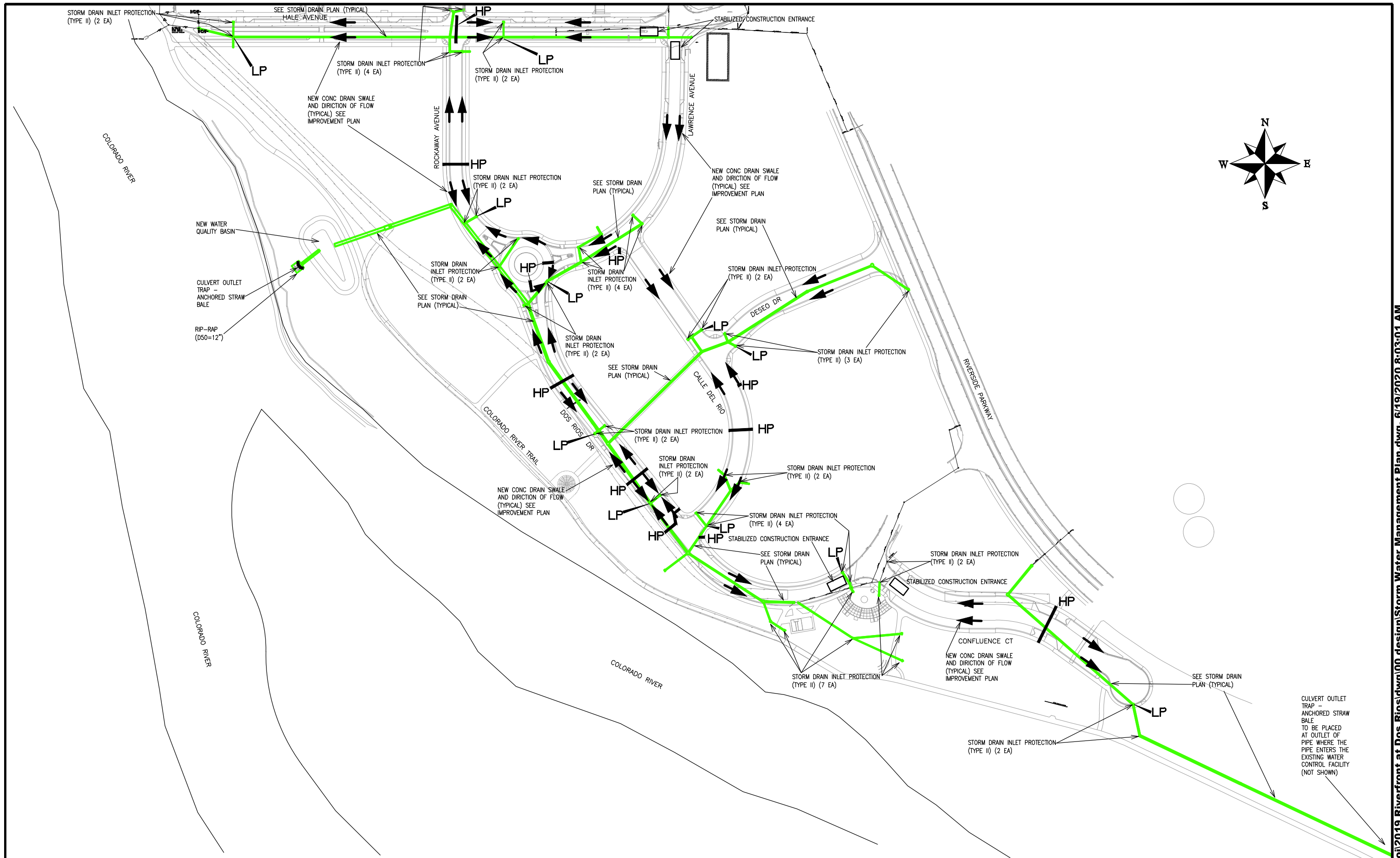
EROSION LOGS PAY ITEMS	
NUMBER	DESCRIPTION
208-00012	TYPE 1 (9")
208-00002	TYPE 1 (12")
208-00013	TYPE 1 (20")
208-00007	TYPE 2 (8")
208-00008	TYPE 2 (12")
208-00009	TYPE 2 (18")

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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REVISION			JCS	2019	
REVISION			BH	2019	
REVISION			TCP	2019	



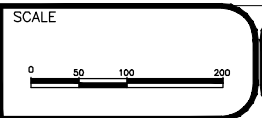
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ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
STORM WATER MANAGEMENT PLAN - SH1 3  
June 19, 2020



REVISION	DESCRIPTION	DATE
REVISION Δ		
REVISION Δ		
REVISION Δ		
REVISION Δ		

DRAWN BY JCS DATE 2019  
 DESIGNED BY JCS DATE 2019  
 CHECKED BY BH DATE 2019  
 APPROVED BY TCP DATE 2019



PUBLIC WORKS  
 ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
 STORM WATER MANAGEMENT PLAN – SHI 4  
 June 19, 2020

### SUMMARY OF EARTHWORK QUANTITIES

INDEX				PROJECT TOTAL	
Book	Page	Sheet		CU. YD.	As Const.
			<b>203-00010 UNCLASSIFIED EXCAVATION (CIP)</b>		
			ROADWAY (QUANTITY CALCULATED FROM CIVIL3D TIN VOL. COMPARE)		
				250	
				292	
				-105	
			SUBTOTAL:		
				437	
			TOTAL FOR PAY QUANTITIES		
				437	
			<b>EMBANKMENT MATERIAL (CIP) (FOR INFORMATION ONLY)</b>		
			QUANTITY CALCULATED FROM CIVIL3D		
				0	
			TOTAL		
				0	

INDEX			<b>ROADWAY QUANTITIES BALANCE (FOR INFORMATION ONLY)</b>	PROJECT TOTAL	
Book	Page	Sheet		CU. YD.	As Const.
			Total Unclassified Excavation	437	
			Total Embankment (net)	0	
			EMBANKMENT TIMES FACTOR 1.2	0	
			Haul Material (Material to be Hauled Away by Contractor)	437	

REVISION $\Delta$ _____	DESCRIPTION _____	DATE _____	DRAWN BY <u>JCS</u>	DATE <u>2020</u>	SCALE _____
REVISION $\Delta$ _____	DESIGNED BY <u>JCS</u>	DATE <u>2020</u>	CHECKED BY <u>BH</u>	DATE <u>2020</u>	
REVISION $\Delta$ _____	APPROVED BY <u>ICP</u>	DATE <u>2020</u>			



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ENGINEERING DIVISION

RIVERSIDE PARKWAY LEFT TURN LANE  
SUMMARY OF EARTHWORK - 1  
June 19, 2020



CP /  
 AN 33354.9880  
 E 89540.04  
 EL 4570.37

CP /  
 AN 33472.16  
 E 89361.480  
 EL 4571.57

CP /  
 AN 33472.16  
 E 89361.480  
 EL 4571.57

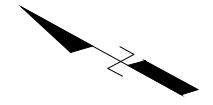
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CP /  
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 EL 4569.88

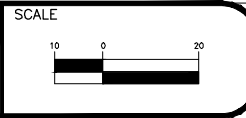
DOS RIOS DR

RIVERSIDE PARKWAY



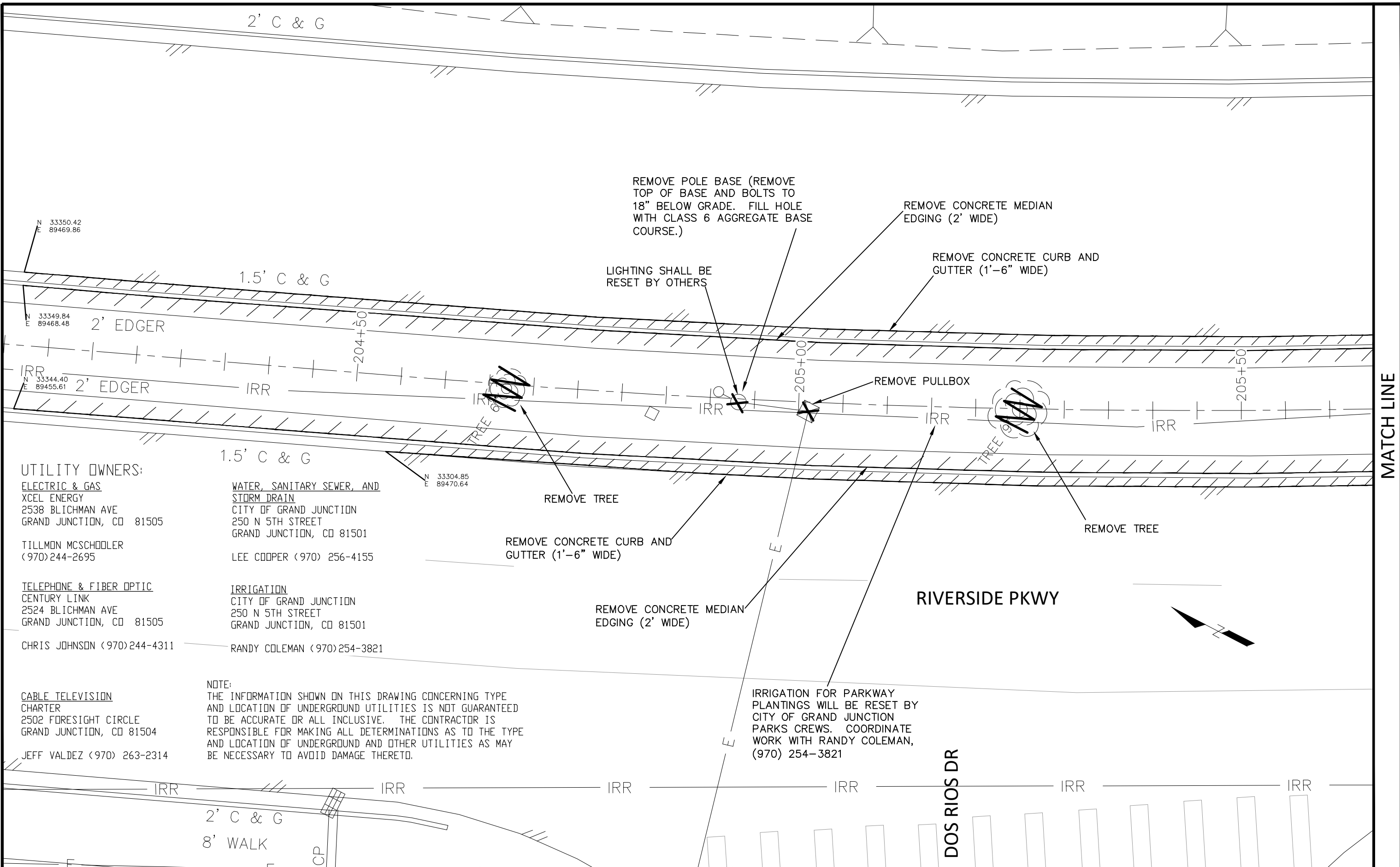
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DRAWN BY	JCS	DATE	2020
DESIGNED BY	JCS	DATE	2020
CHECKED BY	BH	DATE	2020
APPROVED BY	ICP	DATE	2020



PUBLIC WORKS  
 ENGINEERING DIVISION

RIVERSIDE PARKWAY LEFT TURN LANE  
 SURVEY CONTROL - 1  
 June 19, 2020



**UTILITY OWNERS:**

**ELECTRIC & GAS**  
 XCEL ENERGY  
 2538 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

TILLMON MCSCHOOLER  
 (970)244-2695

**TELEPHONE & FIBER OPTIC**  
 CENTURY LINK  
 2524 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

CHRIS JOHNSON (970)244-4311

**WATER, SANITARY SEWER, AND STORM DRAIN**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501

LEE COOPER (970) 256-4155

**IRRIGATION**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501

RANDY COLEMAN (970)254-3821

**CABLE TELEVISION**  
 CHARTER  
 2502 FORESIGHT CIRCLE  
 GRAND JUNCTION, CO 81504

JEFF VALDEZ (970) 263-2314

**NOTE:**  
 THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

IRRIGATION FOR PARKWAY PLANTINGS WILL BE RESET BY CITY OF GRAND JUNCTION PARKS CREWS. COORDINATE WORK WITH RANDY COLEMAN, (970) 254-3821

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION			JCS	2020	
REVISION			JCS	2020	
REVISION			BH	2020	
REVISION			ICP	2020	
REVISION					



**PUBLIC WORKS ENGINEERING DIVISION**

**RIVERSIDE PARKWAY LEFT TURN LANE EXISTING CONDITION PLAN - 1**  
 June 19, 2020

MATCH LINE

**UTILITY OWNERS:**

**ELECTRIC & GAS**  
 XCEL ENERGY  
 2538 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

TILLMON MCSCHODLER  
 (970)244-2695

**TELEPHONE & FIBER OPTIC**  
 CENTURY LINK  
 2524 BLICHMAN AVE  
 GRAND JUNCTION, CO 81505

CHRIS JOHNSON (970)244-4311

**CABLE TELEVISION**  
 CHARTER  
 2502 FORESIGHT CIRCLE  
 GRAND JUNCTION, CO 81504

JEFF VALDEZ (970) 263-2314

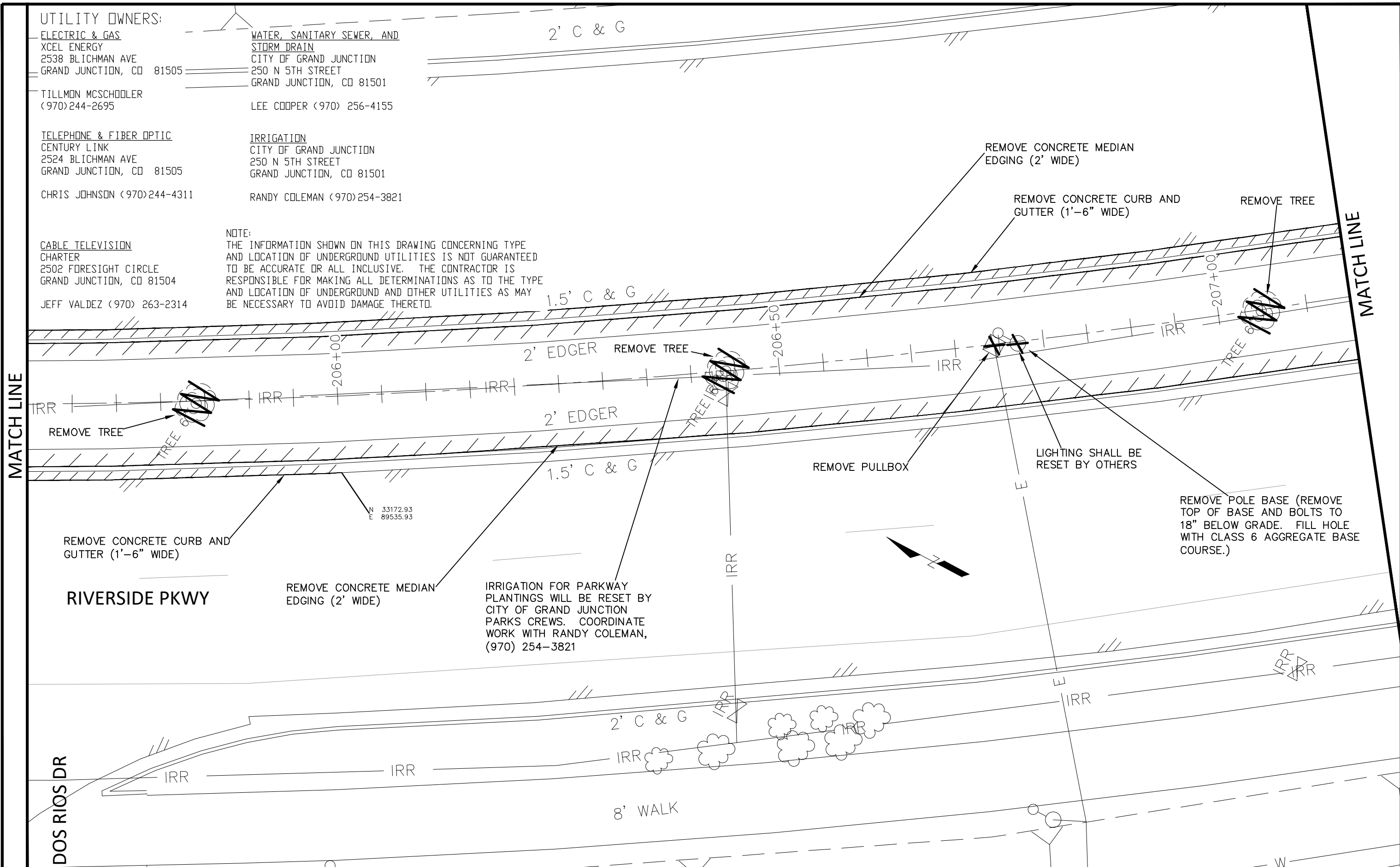
**WATER, SANITARY SEWER, AND STORM DRAIN**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501

LEE COOPER (970) 256-4155

**IRRIGATION**  
 CITY OF GRAND JUNCTION  
 250 N 5TH STREET  
 GRAND JUNCTION, CO 81501

RANDY COLEMAN (970)254-3821

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MATCH LINE

MATCH LINE

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION Δ			JCS	2020	
REVISION Δ			JCS	2020	
REVISION Δ			BH	2020	
REVISION Δ			ICP	2020	



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 ENGINEERING DIVISION**

**RIVERSIDE PARKWAY LEFT TURN LANE  
 EXISTING CONDITION PLAN - 2  
 June 19, 2020**

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UTILITY OWNERS:

ELECTRIC & GAS  
XCEL ENERGY  
2538 BLICHMAN AVE  
GRAND JUNCTION, CO 81505

TILLMON MCSCHODLER  
(970)244-2695

TELEPHONE & FIBER OPTIC  
CENTURY LINK  
2524 BLICHMAN AVE  
GRAND JUNCTION, CO 81505

CHRIS JOHNSON (970)244-4311

CABLE TELEVISION  
CHARTER  
2502 FORESIGHT CIRCLE  
GRAND JUNCTION, CO 81504

JEFF VALDEZ (970) 263-2314

WATER, SANITARY SEWER, AND  
STORM DRAIN  
CITY OF GRAND JUNCTION  
250 N 5TH STREET  
GRAND JUNCTION, CO 81501

LEE COOPER (970) 256-4155

IRRIGATION  
CITY OF GRAND JUNCTION  
250 N 5TH STREET  
GRAND JUNCTION, CO 81501

RANDY COLEMAN (970)254-3821

NOTE:

THE INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

PLACE STORM DRAIN INLET PROTECTION, CDOT M&S STD. TYPE II, AT EXISTING INLET DURING CONSTRUCTION.

REMOVE CONCRETE MEDIAN EDGING (2' WIDE)

REMOVE CONCRETE CURB AND GUTTER (1'-6" WIDE)

REMOVE TREE

REMOVE TREE

REMOVE POLE BASE (REMOVE TOP OF BASE AND BOLTS TO 18" BELOW GRADE. FILL HOLE WITH CLASS 6 AGGREGATE BASE COURSE.)

LIGHTING SHALL BE RESET BY OTHERS

IRRIGATION FOR PARKWAY PLANTINGS WILL BE RESET BY CITY OF GRAND JUNCTION PARKS CREWS. COORDINATE WORK WITH RANDY COLEMAN, (970) 254-3821

PLACE STORM DRAIN INLET PROTECTION, CDOT M&S STD. TYPE II, AT EXISTING INLET DURING CONSTRUCTION.

REMOVE CONCRETE MEDIAN EDGING (2' WIDE)

MATCH LINE

RIVERSIDE PKWY

2' C & G

1.5' C & G

2' EDGER

2' EDGER

1.5' C & G

2' C & G

1.5' C & G

2' EDGER

2' EDGER

1.5' C & G

2' C & G

12" RCP

12" RCP STM

8" PVC

-207+50

-208+00

-208+50

N 32970.24  
E 89713.85

N 32969.17  
E 89712.80

N 32959.31  
E 89703.03

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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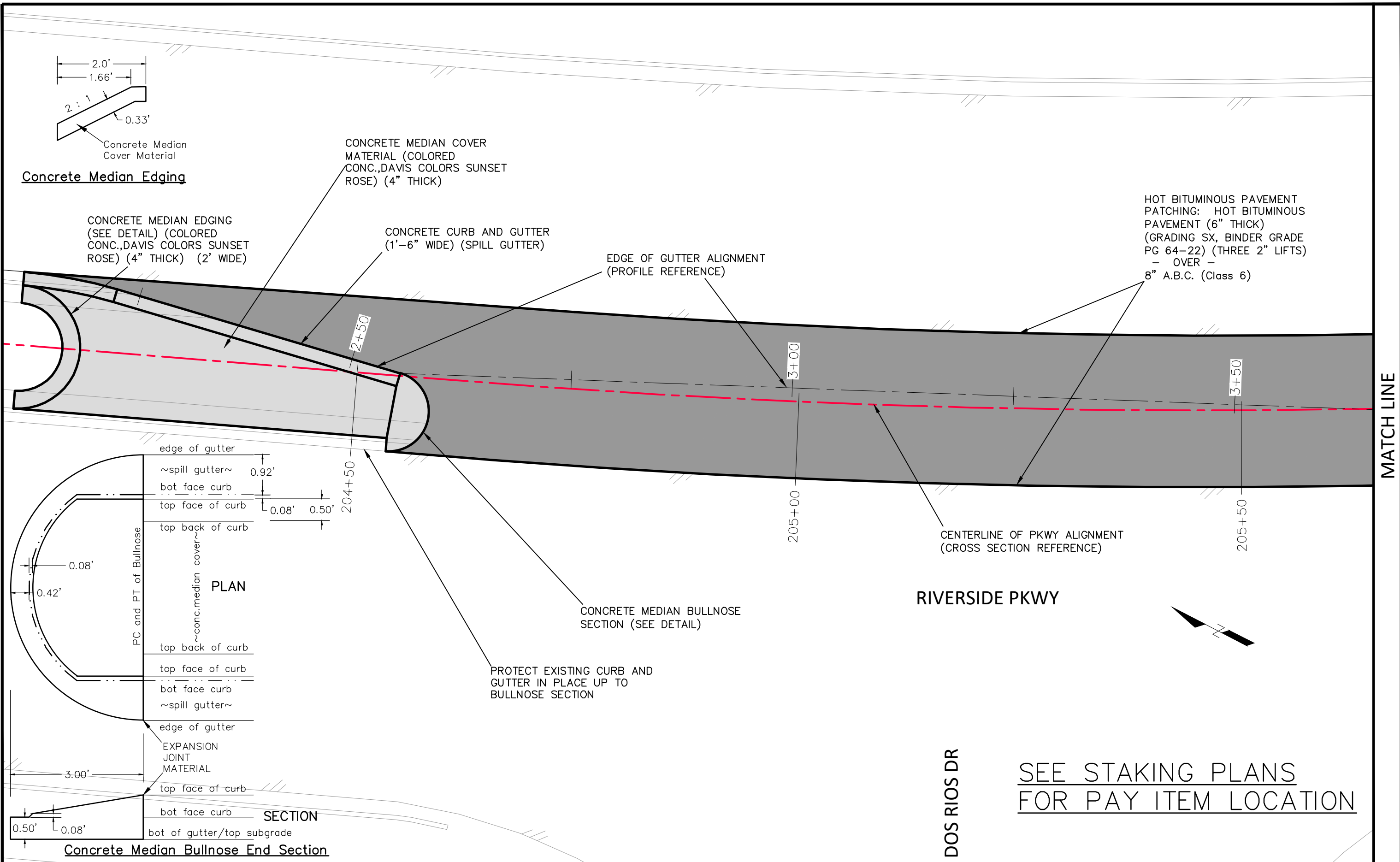


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ENGINEERING DIVISION

RIVERSIDE PARKWAY LEFT TURN LANE  
EXISTING CONDITION PLAN - 3  
June 19, 2020

271





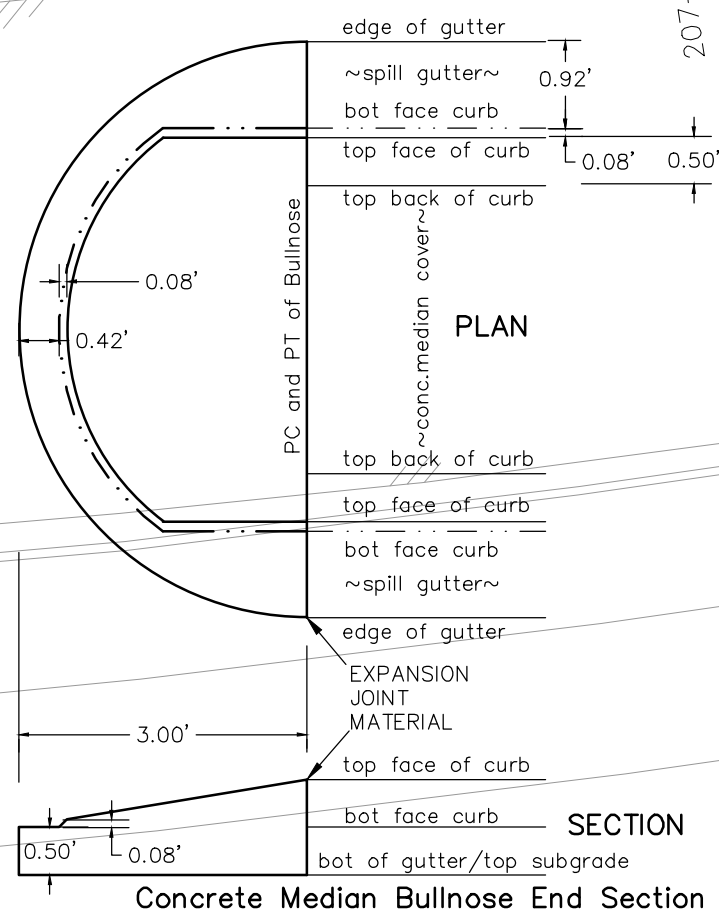
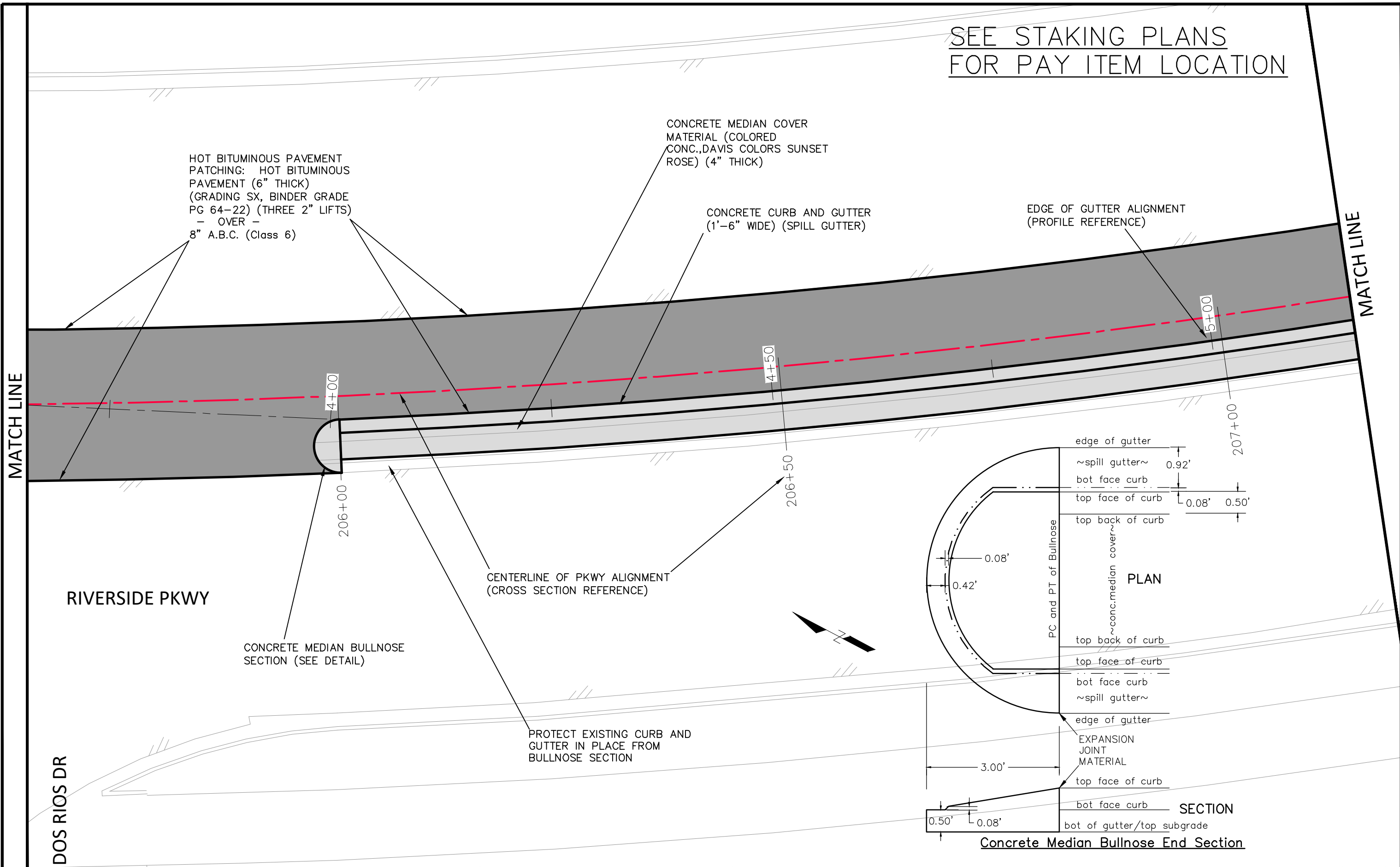
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REVISION					



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ENGINEERING DIVISION

RIVERSIDE PARKWAY LEFT TURN LANE  
IMPROVEMENT PLAN - 1  
June 19, 2020

SEE STAKING PLANS  
FOR PAY ITEM LOCATION



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
REVISION			JCS	2020	
REVISION			JCS	2020	
REVISION			BH	2020	
REVISION			ICP	2020	
REVISION					



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ENGINEERING DIVISION

RIVERSIDE PARKWAY LEFT TURN LANE  
IMPROVEMENT PLAN - 2  
June 19, 2020

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MATCH LINE

# RIVERSIDE PKWY

HOT BITUMINOUS PAVEMENT  
PATCHING: HOT BITUMINOUS  
PAVEMENT (6" THICK)  
(GRADING SX, BINDER GRADE  
PG 64-22) (THREE 2" LIFTS)  
- OVER -  
8" A.B.C. (Class 6)

CONCRETE CURB AND GUTTER  
(1'-6" WIDE) (SPILL GUTTER)

EDGE OF GUTTER ALIGNMENT  
(PROFILE REFERENCE)

CENTERLINE OF PKWY ALIGNMENT  
(CROSS SECTION REFERENCE)

5+50

207+50

6+00

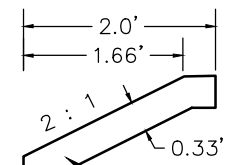
208+00

6+50

208+50

CONCRETE MEDIAN COVER  
MATERIAL (COLORED  
CONC.,DAVIS COLORS SUNSET  
ROSE) (4" THICK)

CONCRETE MEDIAN EDGING  
(SEE DETAIL) (COLORED  
CONC.,DAVIS COLORS SUNSET  
ROSE) (4" THICK) (2' WIDE)



Concrete Median  
Cover Material

Concrete Median Edging

PROTECT EXISTING CURB AND  
GUTTER IN PLACE FROM  
BULLNOSE SECTION

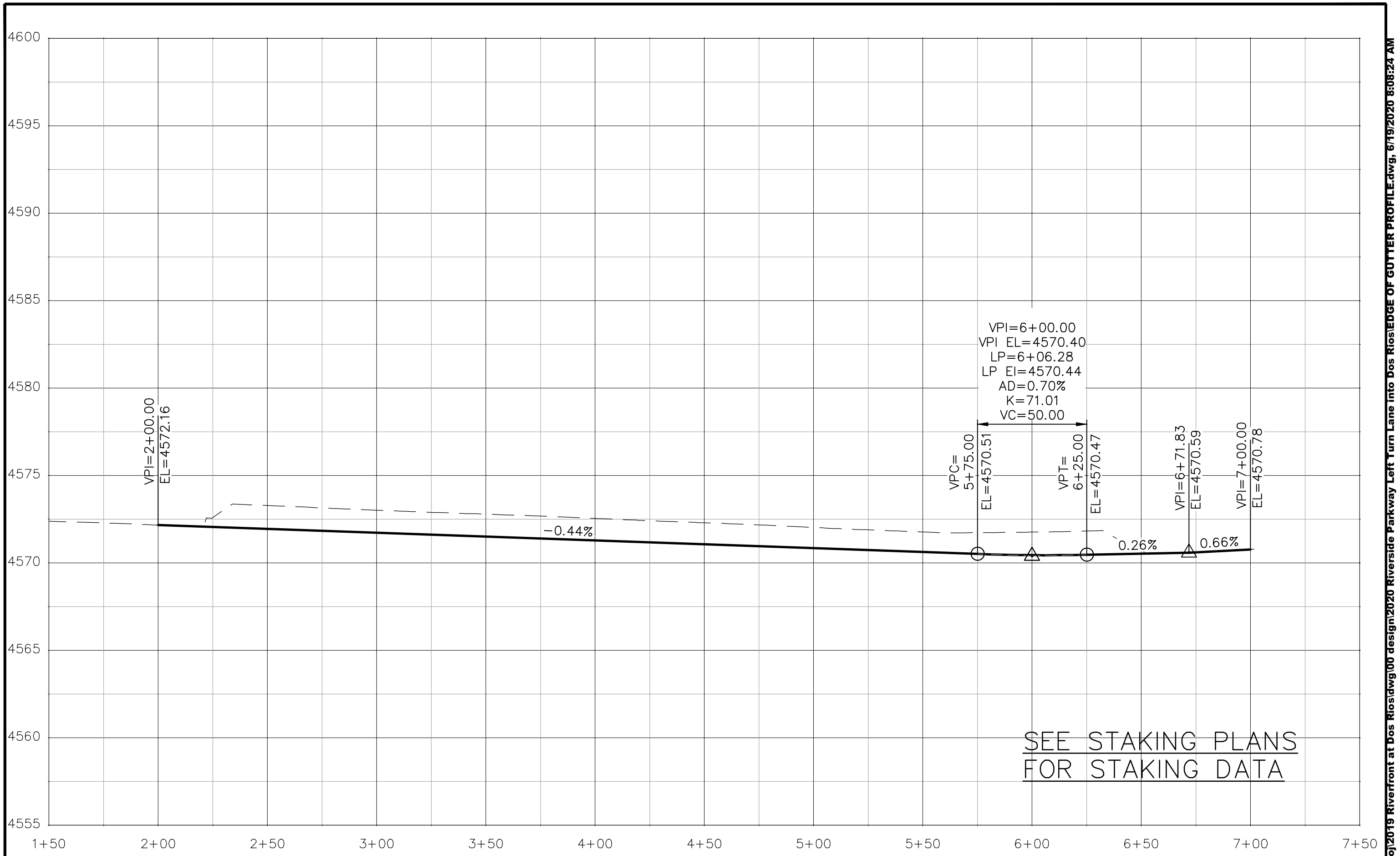
SEE STAKING PLANS  
FOR PAY ITEM LOCATION

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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REVISION			BH	2020	
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RIVERSIDE PARKWAY LEFT TURN LANE  
IMPROVEMENT PLAN - 3  
June 19, 2020



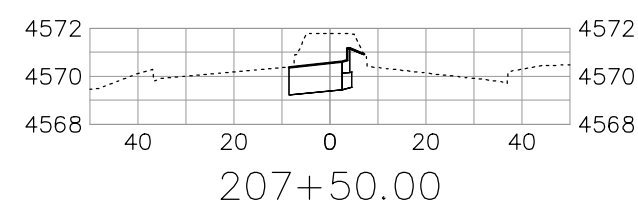
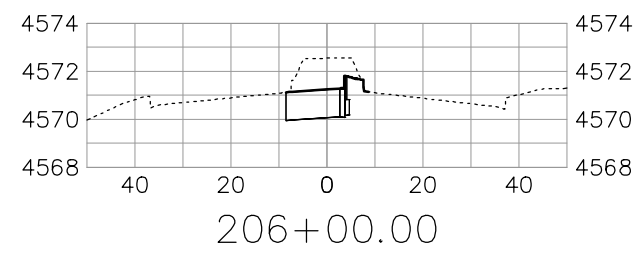
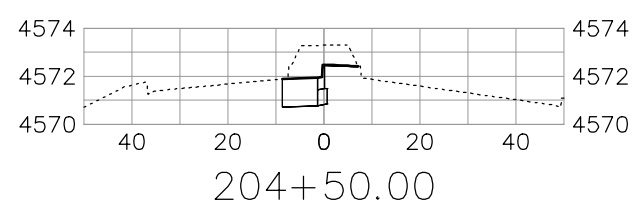
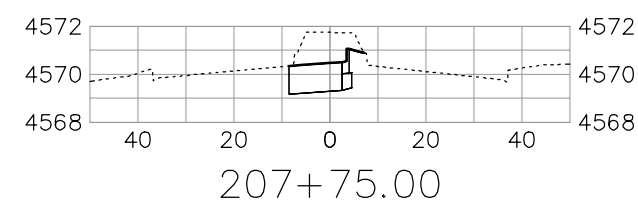
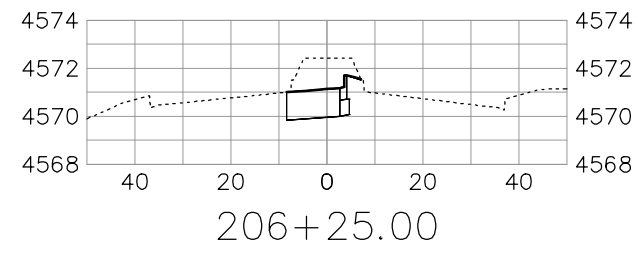
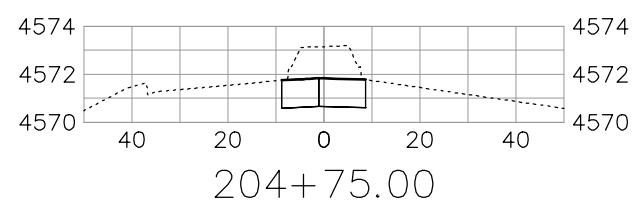
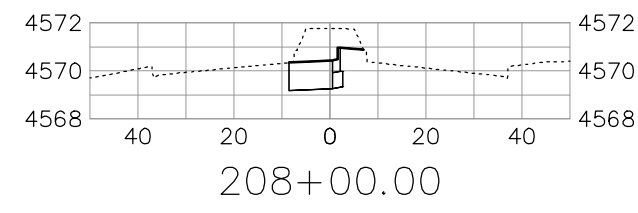
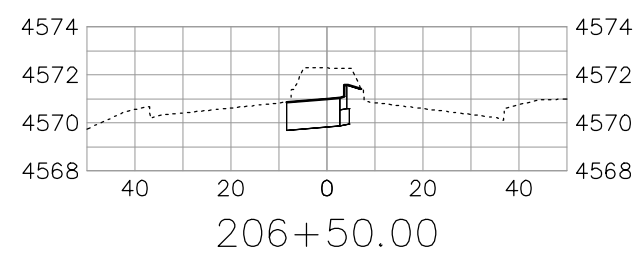
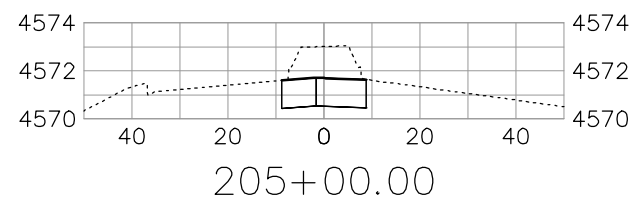
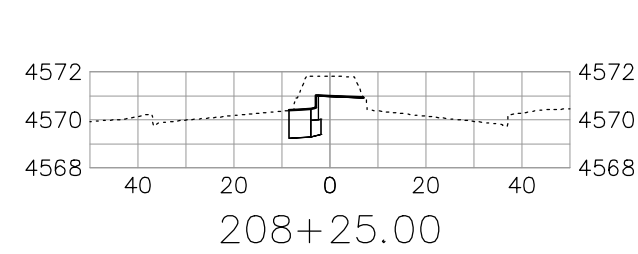
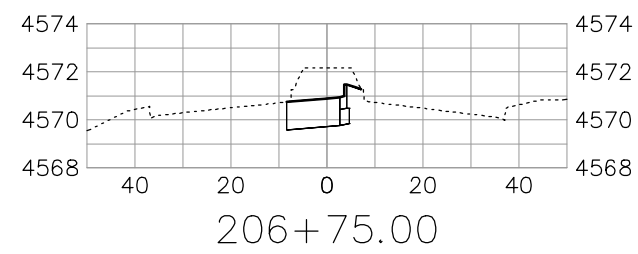
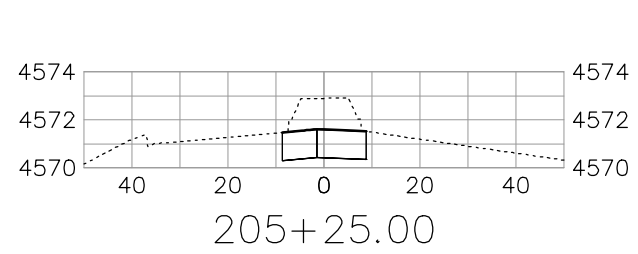
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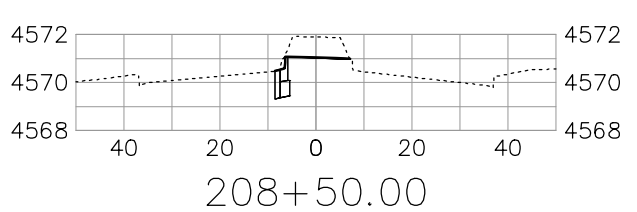
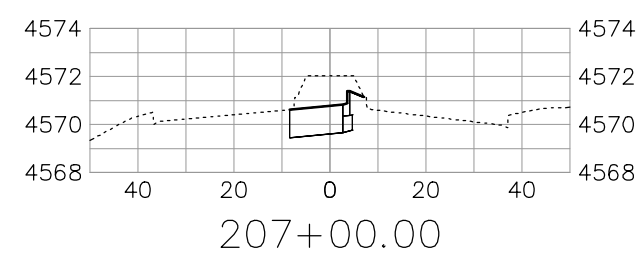
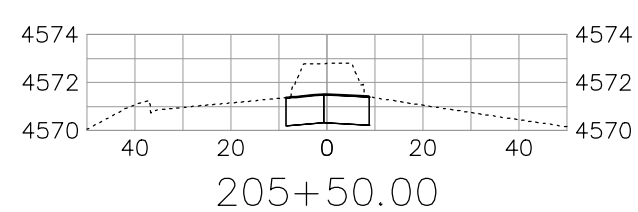
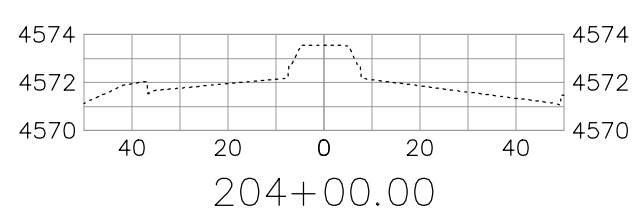
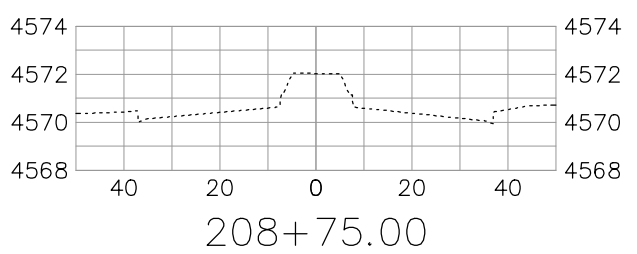
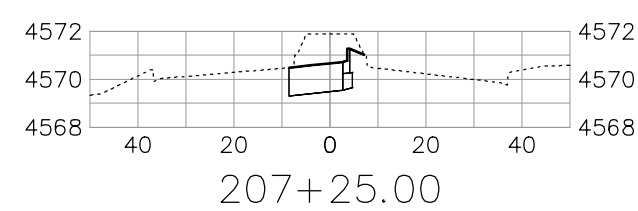
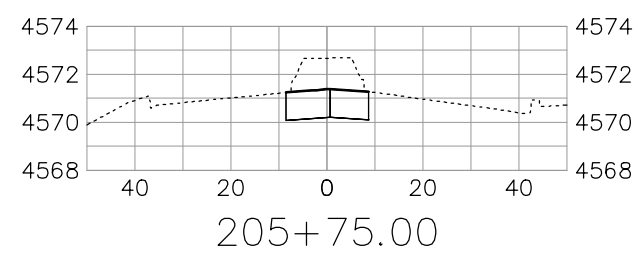
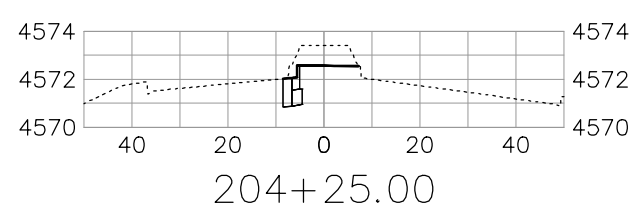
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ENGINEERING DIVISION

RIVERSIDE PARKWAY LEFT TURN LANE  
EDGE OF GUTTER PROFILE - 1  
June 19, 2020

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SEE STAKING PLANS  
FOR STAKING DATA



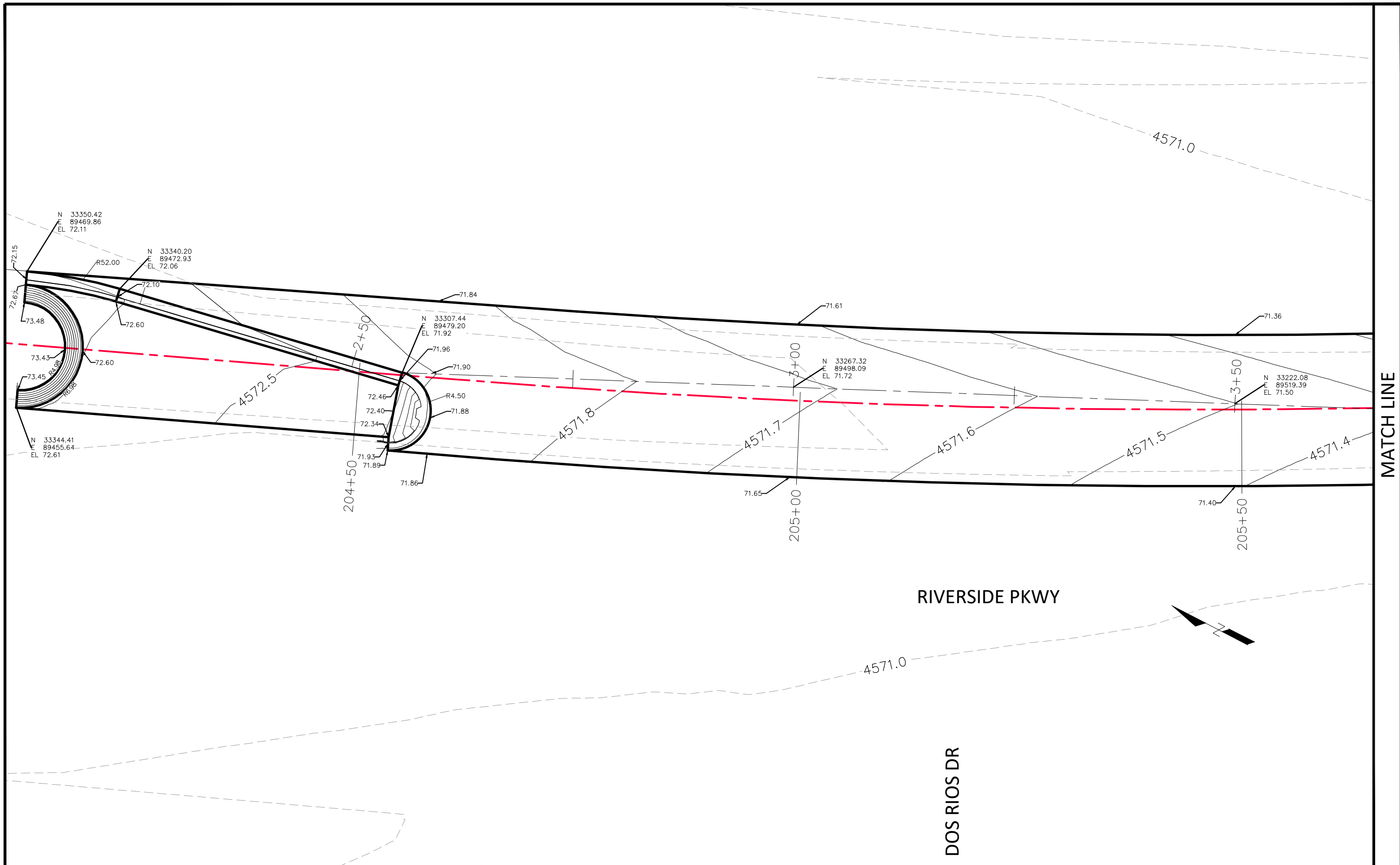
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REVISION			JCS	2020	SEE SECTIONS FOR REFERENCE
REVISION			JCS	2020	
REVISION			BH	2020	
REVISION			ICP	2020	
REVISION					



**PUBLIC WORKS  
ENGINEERING DIVISION**

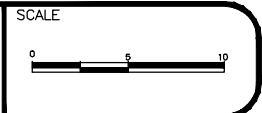
**RIVERSIDE PARKWAY LEFT TURN LANE  
PARKWAY CROSS SECTIONS - 1  
June 19, 2020**





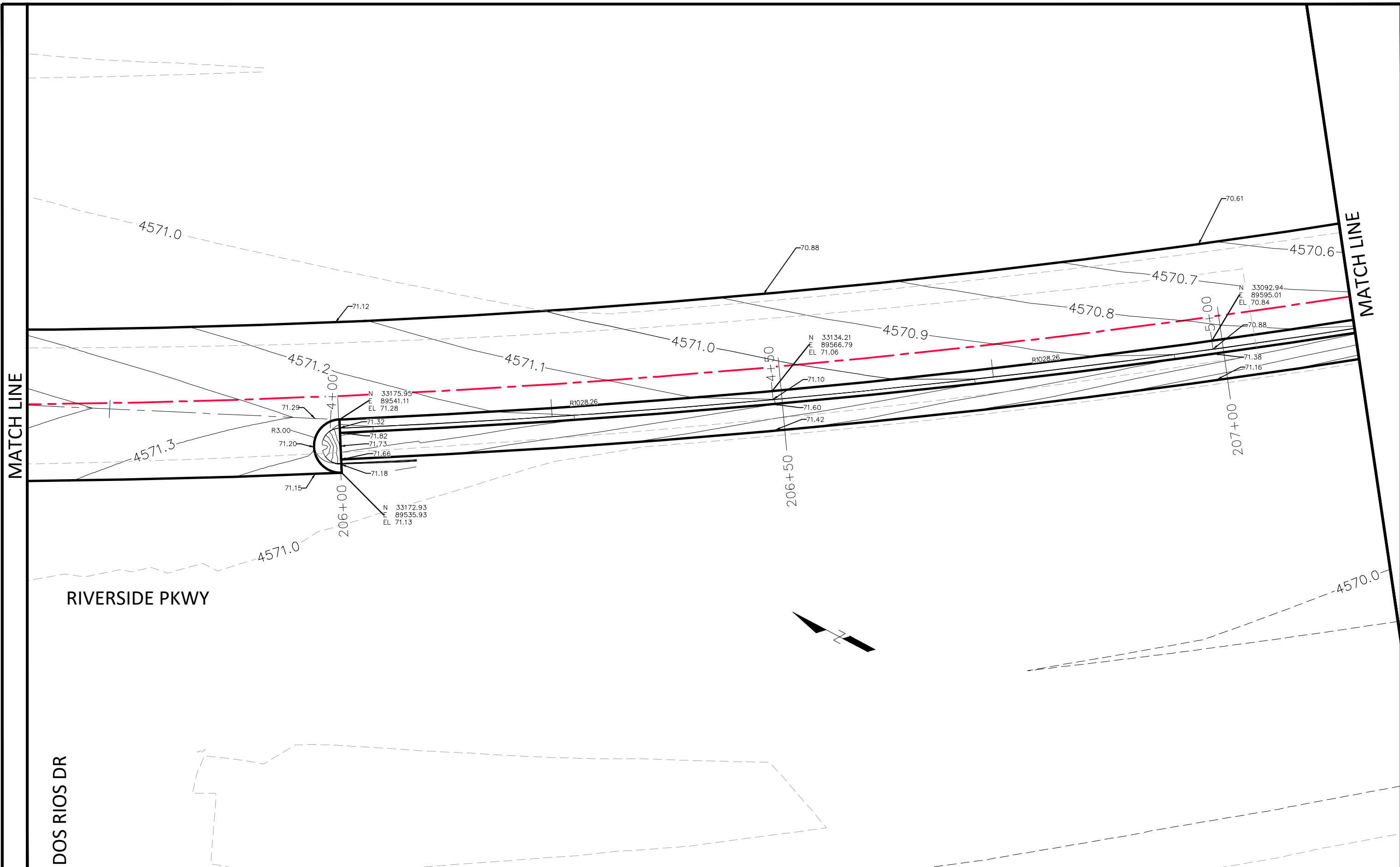
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REVISION		
REVISION		
REVISION		

DRAWN BY JCS DATE 2020  
 DESIGNED BY JCS DATE 2020  
 CHECKED BY BH DATE 2020  
 APPROVED BY ICP DATE 2020



PUBLIC WORKS  
 ENGINEERING DIVISION

RIVERSIDE PARKWAY LEFT TURN LANE  
 STAKING PLAN - 1  
 June 19, 2020



MATCH LINE

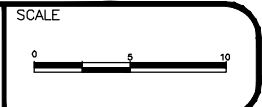
MATCH LINE

RIVERSIDE PKWY

DOS RIOS DR

REVISION	DESCRIPTION	DATE
△		
△		
△		
△		

DRAWN BY	JCS	DATE	2020
DESIGNED BY	JCS	DATE	2020
CHECKED BY	BH	DATE	2020
APPROVED BY	ICP	DATE	2020

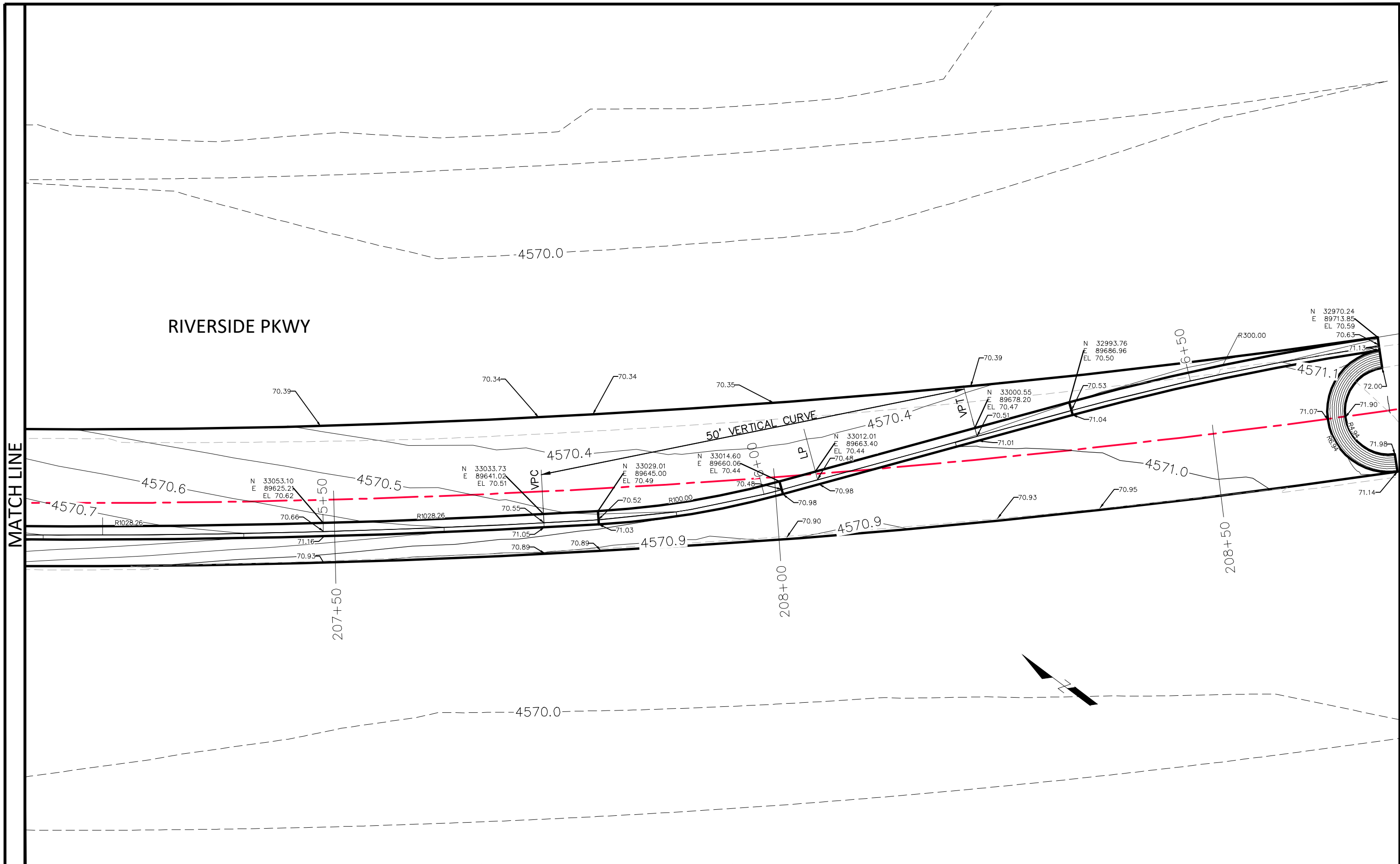


PUBLIC WORKS  
ENGINEERING DIVISION

RIVERSIDE PARKWAY LEFT TURN LANE  
STAKING PLAN - 2  
June 19, 2020

278

N:\Landproj\2019 Riverrfront at Dos Rios\dwg\00 design\2020 Riverside Parkway Left Turn Lane into Dos Rios\STAKING PLAN.dwg, 6/19/2020 8:08:28 AM



REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALE
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REVISION			BH	2020	
REVISION			ICP	2020	

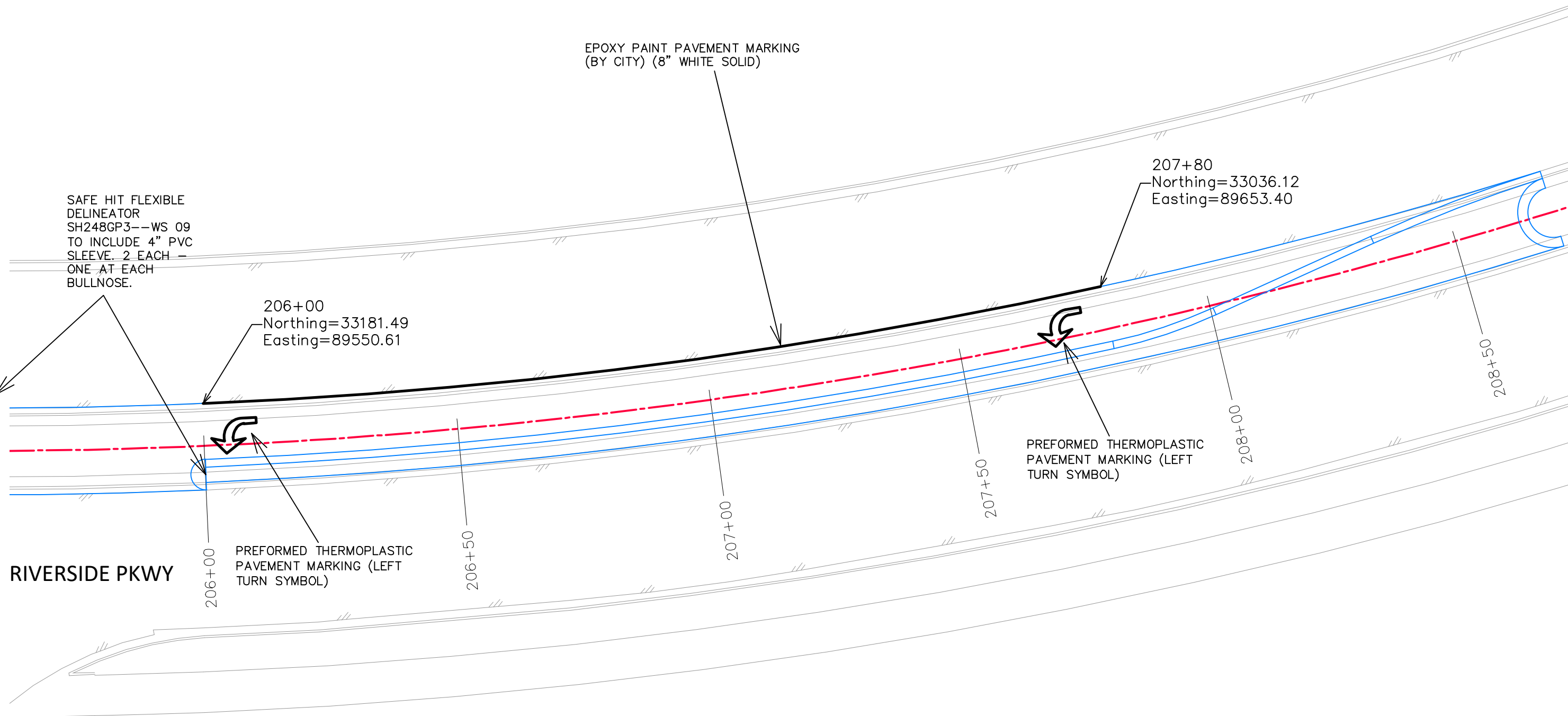


PUBLIC WORKS  
ENGINEERING DIVISION

RIVERSIDE PARKWAY LEFT TURN LANE  
STAKING PLAN - 3  
June 19, 2020

N:\Landproj\2019 Riverrfront at Dos Rios\dwg\00 design\2020 Riverside Parkway Left Turn Lane into Dos Rios\STAKING PLAN.dwg, 6/19/2020 8:08:30 AM

DOS RIOS DR



SAFE HIT FLEXIBLE  
 DELINEATOR  
 SH248GP3--WS 09  
 TO INCLUDE 4" PVC  
 SLEEVE. 2 EACH -  
 ONE AT EACH  
 BULLNOSE.

206+00  
 Northing=33181.49  
 Easting=89550.61

207+80  
 Northing=33036.12  
 Easting=89653.40

206+00  
 PREFORMED THERMOPLASTIC  
 PAVEMENT MARKING (LEFT  
 TURN SYMBOL)

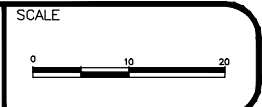
PREFORMED THERMOPLASTIC  
 PAVEMENT MARKING (LEFT  
 TURN SYMBOL)

RIVERSIDE PKWY

EPOXY PAINT PAVEMENT MARKING  
 (BY CITY) (8" WHITE SOLID)

REVISION	DESCRIPTION	DATE
REVISION		
REVISION		
REVISION		

DRAWN BY JCS DATE 2020  
 DESIGNED BY JCS DATE 2020  
 CHECKED BY BH DATE 2020  
 APPROVED BY ICP DATE 2020



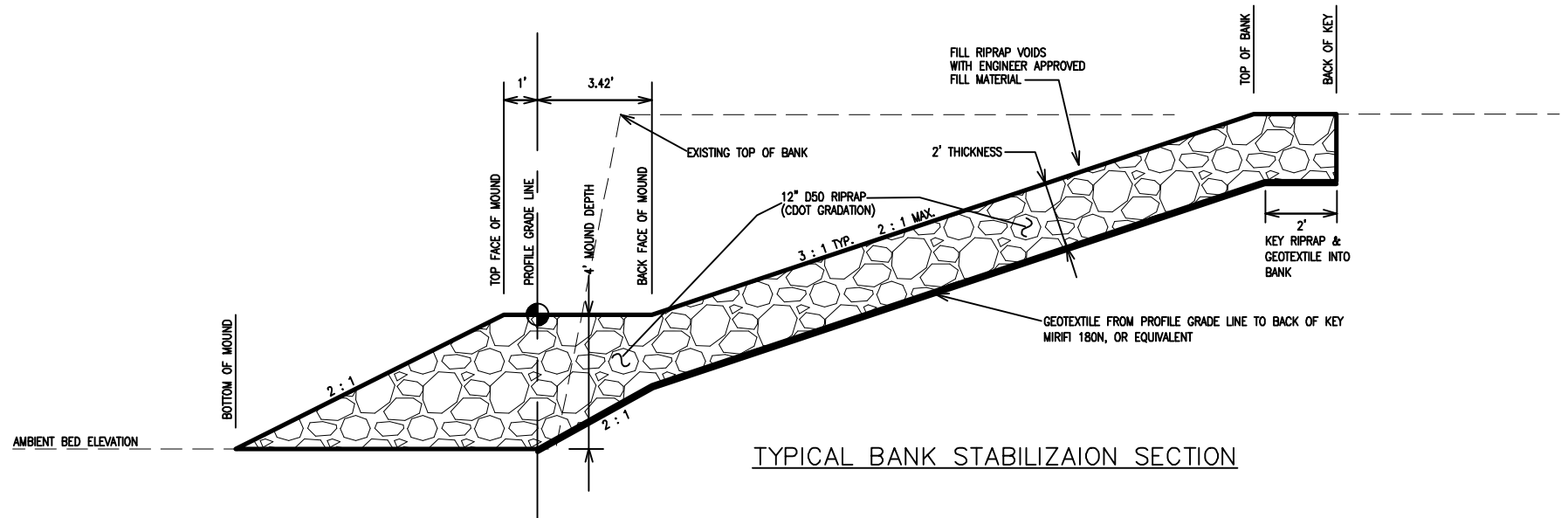
PUBLIC WORKS  
 ENGINEERING DIVISION

RIVERSIDE PARKWAY LEFT TURN LANE  
 STRIPING PLAN - .  
 June 19, 2020

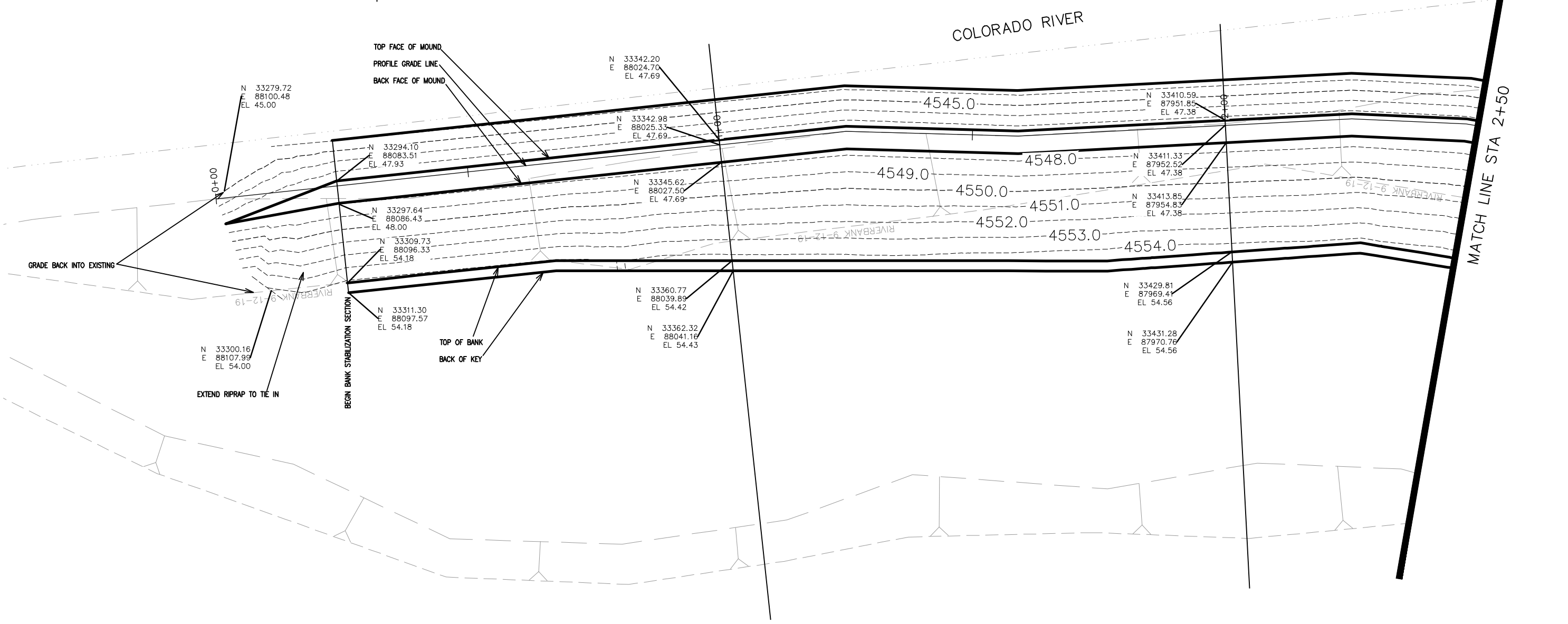
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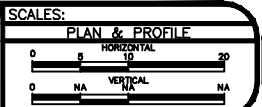


TYPICAL BANK STABILIZATION SECTION



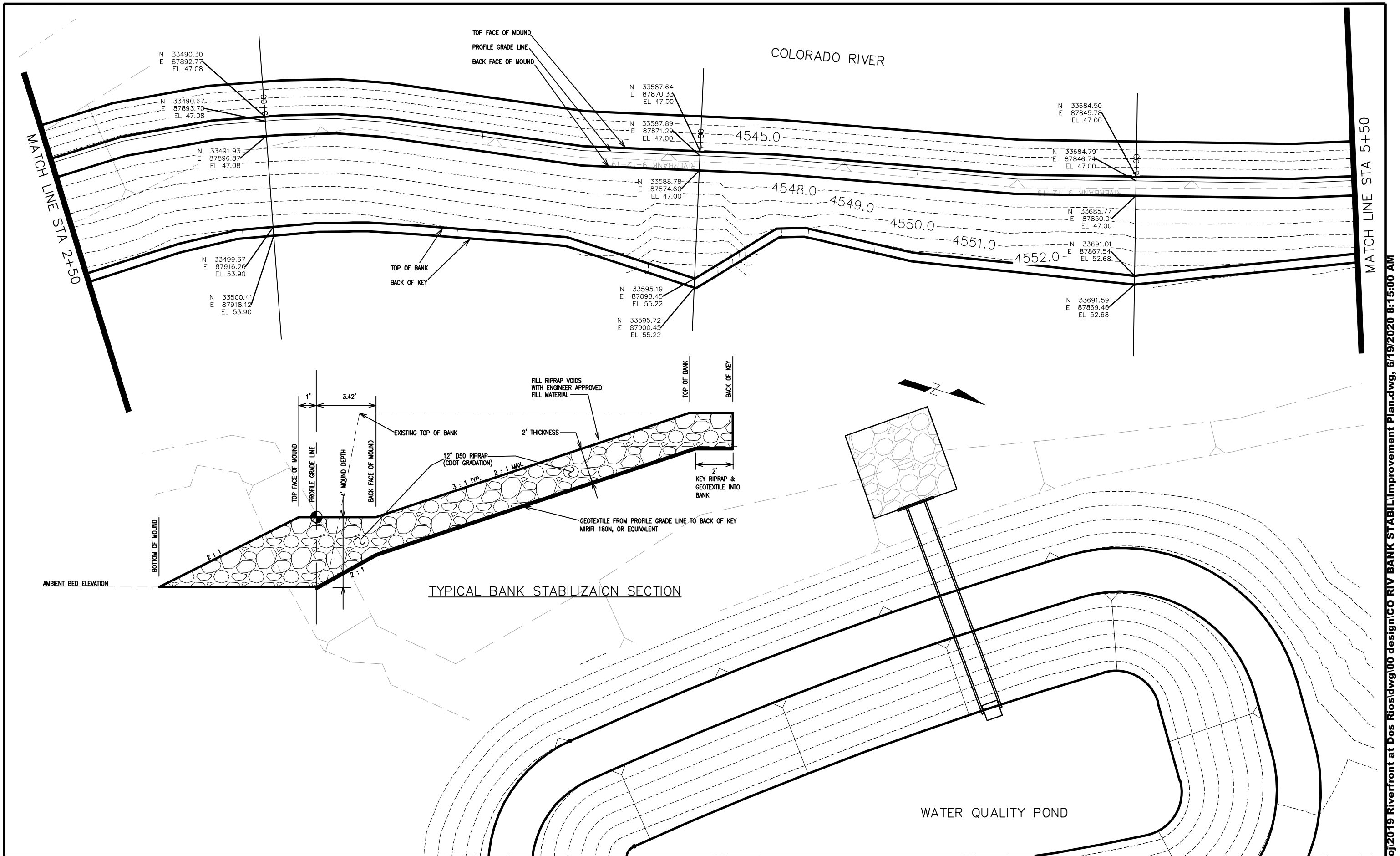
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△		
△		
△		
△		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
IMPROVEMENT PLAN - I-1  
June 19, 2020



REVISION	DESCRIPTION	DATE
REVISION Δ		
REVISION Δ		
REVISION Δ		
REVISION Δ		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BH	DATE	2019
APPROVED BY	TCP	DATE	2019

SCALES:
PLAN & PROFILE
0 10 20
HORIZONTAL
0 1 2
VERTICAL



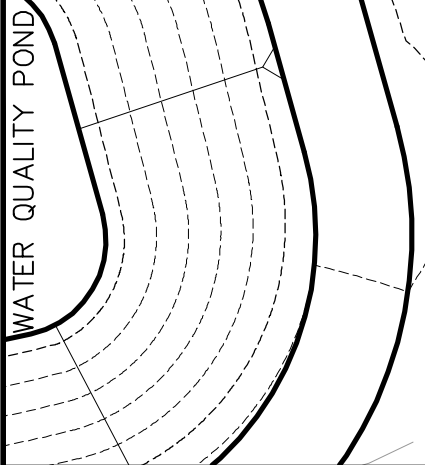
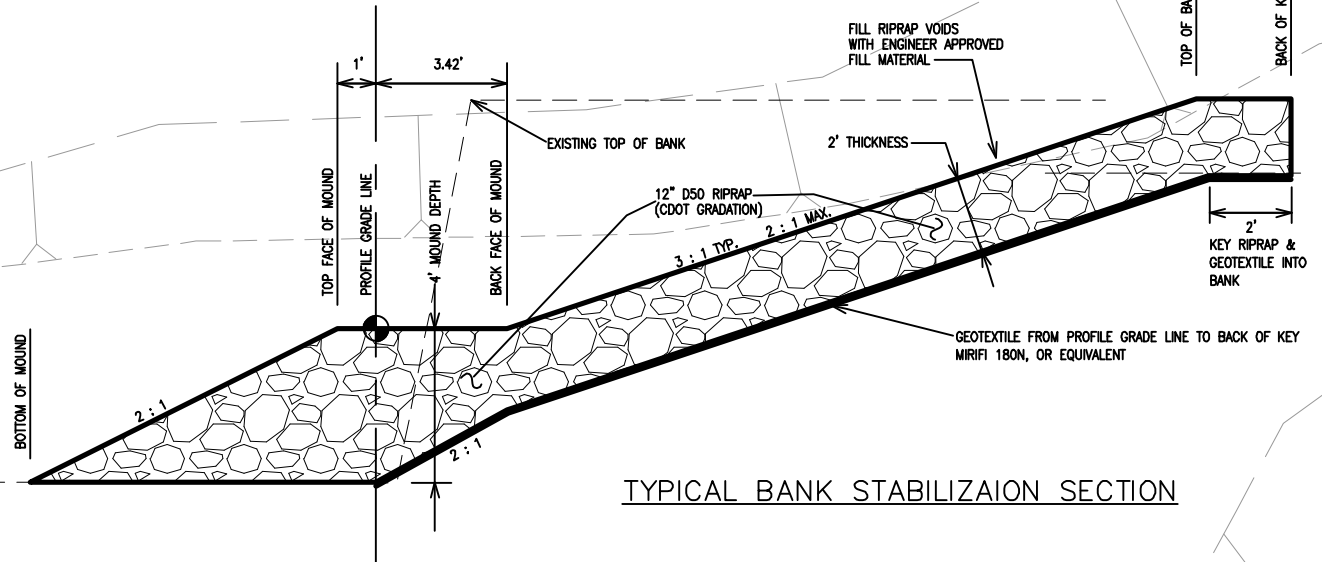
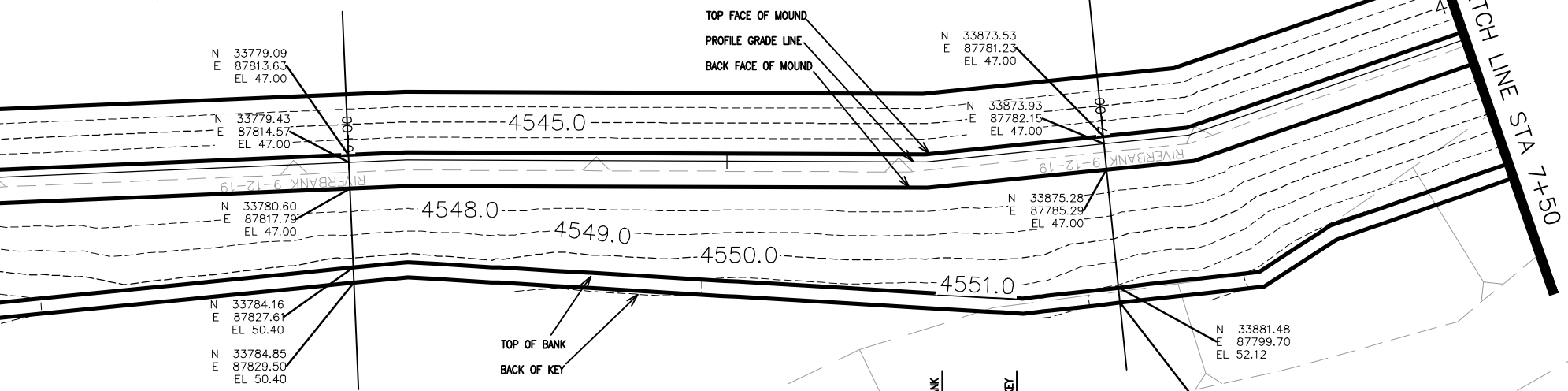
PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
IMPROVEMENT PLAN - I-2  
June 19, 2020

COLORADO RIVER

MATCH LINE STA 5+50

MATCH LINE STA 7+50



COLORADO RIVER TRAIL

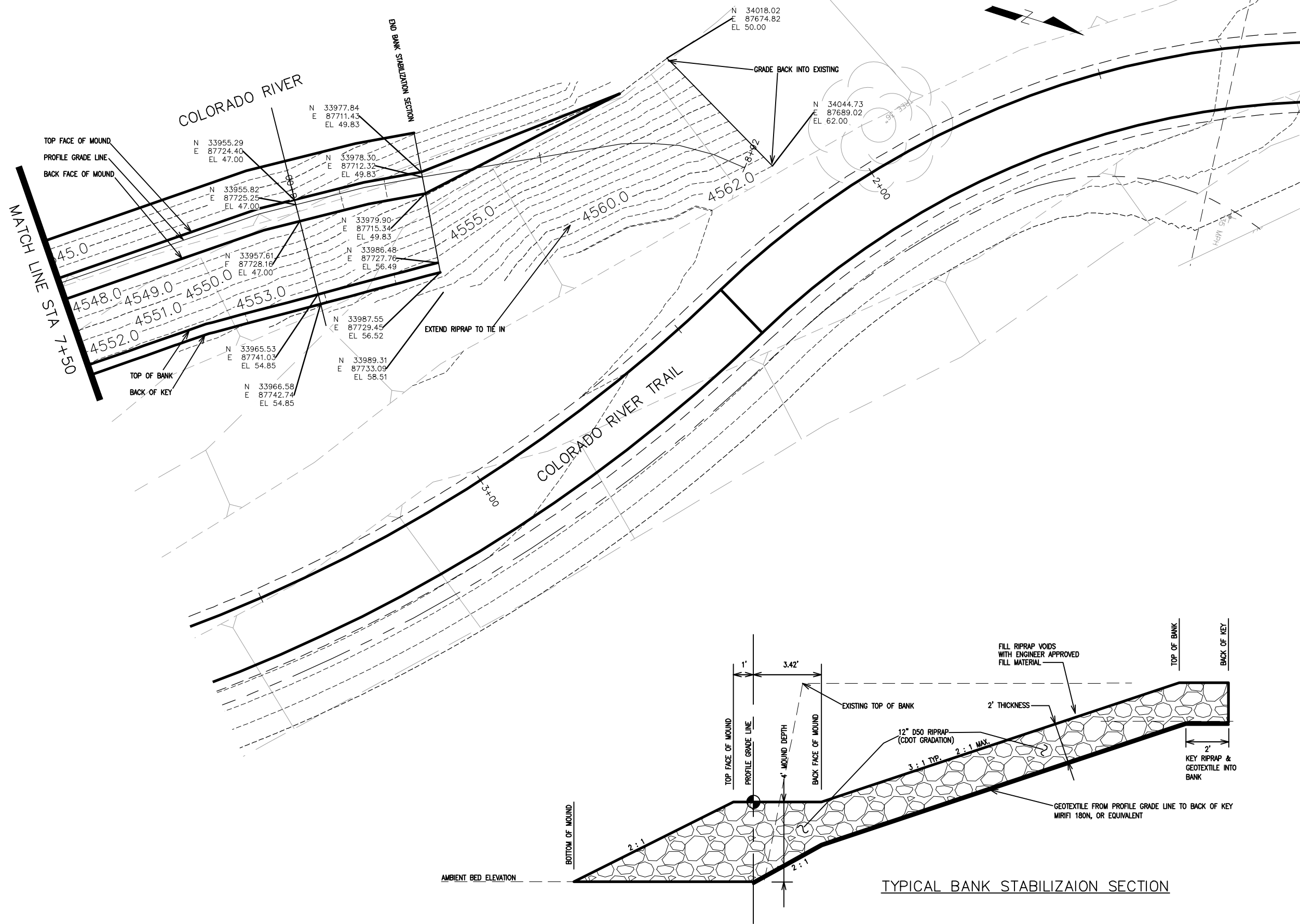
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	APPROVED BY	DATE
REVISION Δ			JCS	2019	TCP	2019
REVISION Δ			JCS	2019		
REVISION Δ			BH	2019		
REVISION Δ						

SCALES:  
 PLAN & PROFILE  
 1" = 20'  
 HORIZONTAL  
 1" = 2'  
 VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
IMPROVEMENT PLAN - I-3  
June 19, 2020



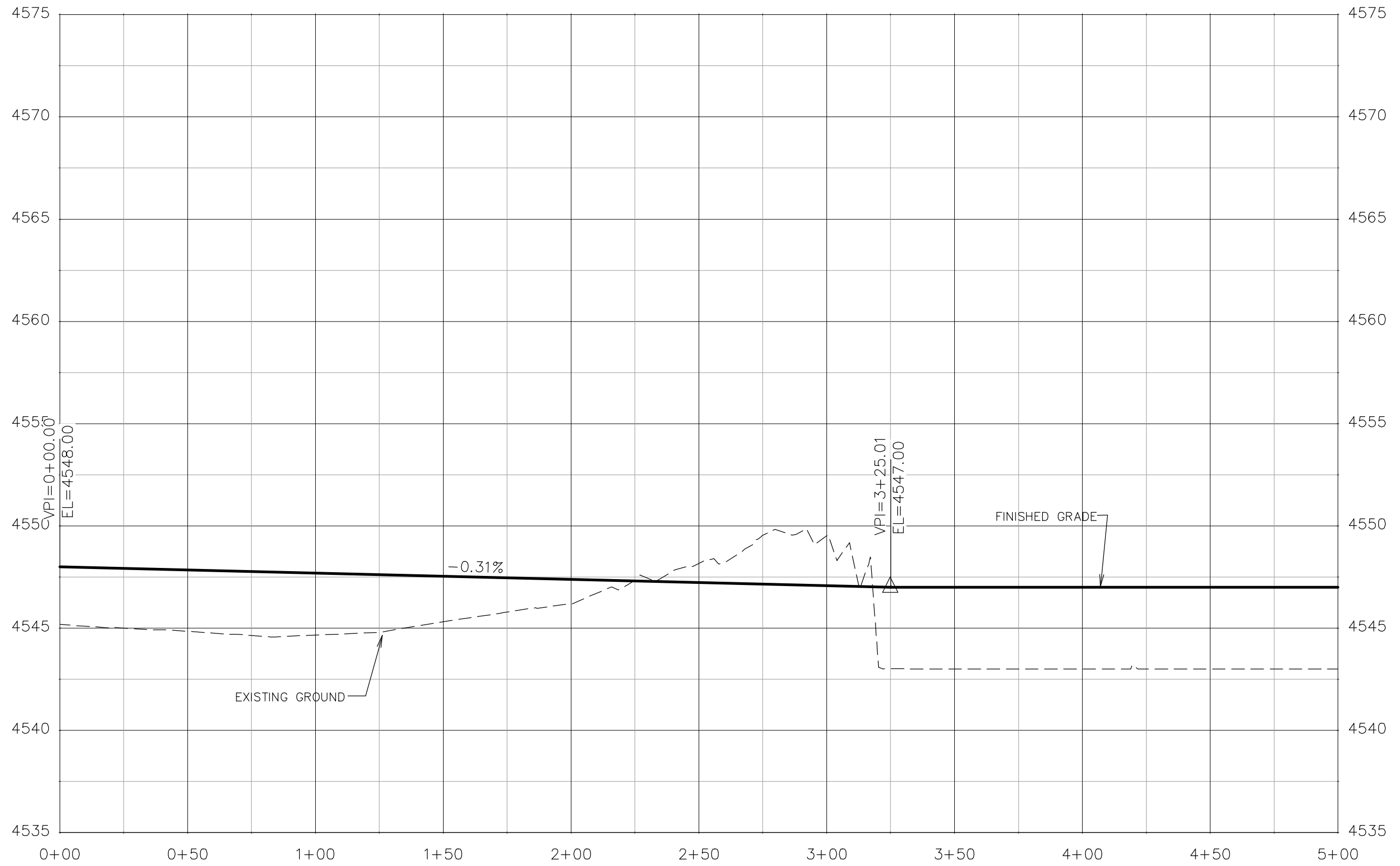
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REVISION			DESIGNED BY	JCS	DATE	2019	PLAN & PROFILE
REVISION			CHECKED BY	BH	DATE	2019	HORIZONTAL 1" = 20'
REVISION			APPROVED BY	TCP	DATE	2019	VERTICAL 1" = 10'



PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
IMPROVEMENT PLAN - I-4  
June 19, 2020

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PROFILE GRADE LINE BANK STABILIZATION

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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△			JCS	2019
△			BH	2019
△			TCP	2019

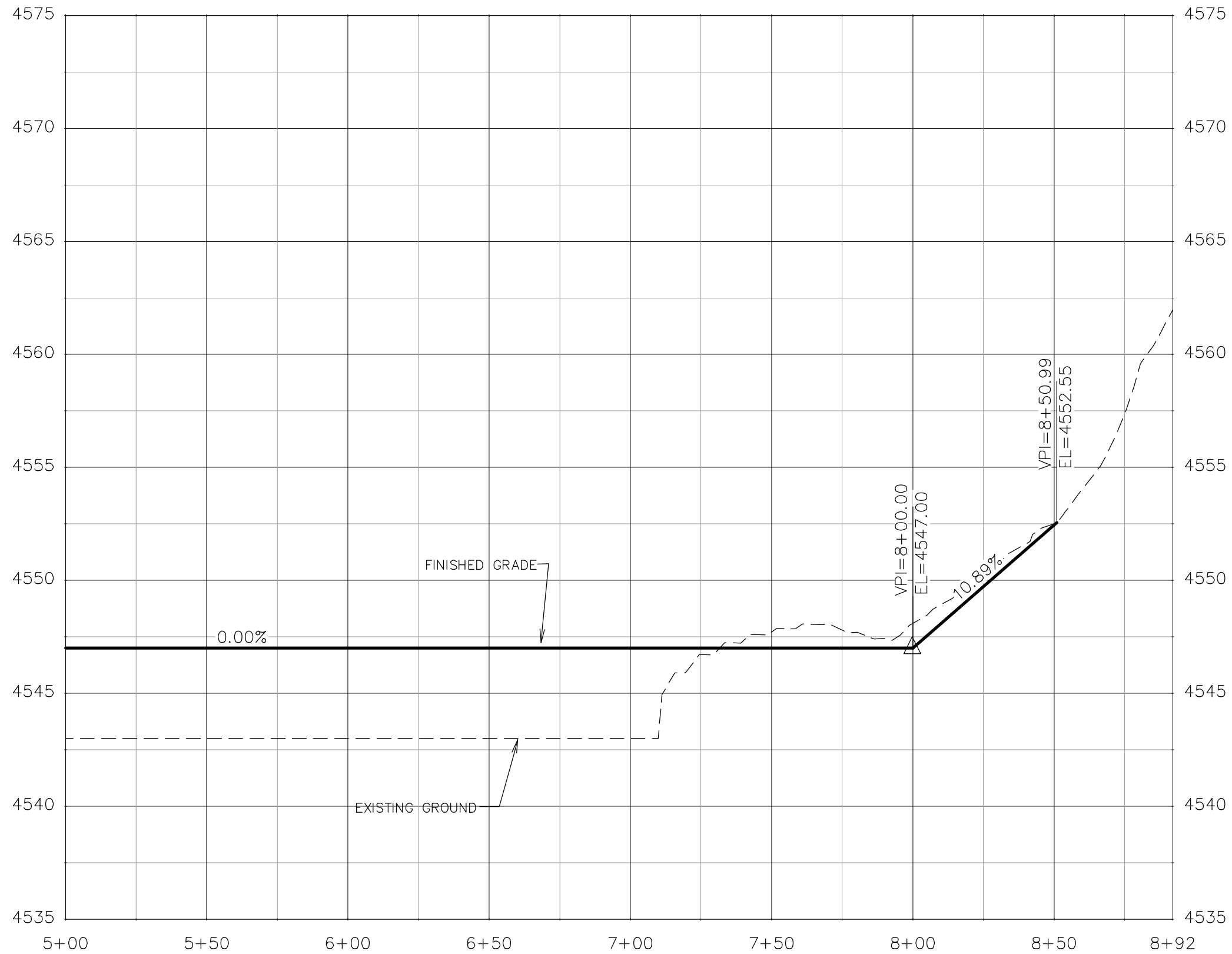
SCALES:	
0 10 20 40	HORIZONTAL
0 1.25 5	VERTICAL



PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
BANK STABILIZATION PROFILE - 1  
June 19, 2020





PROFILE GRADE LINE BANK STABILIZATION

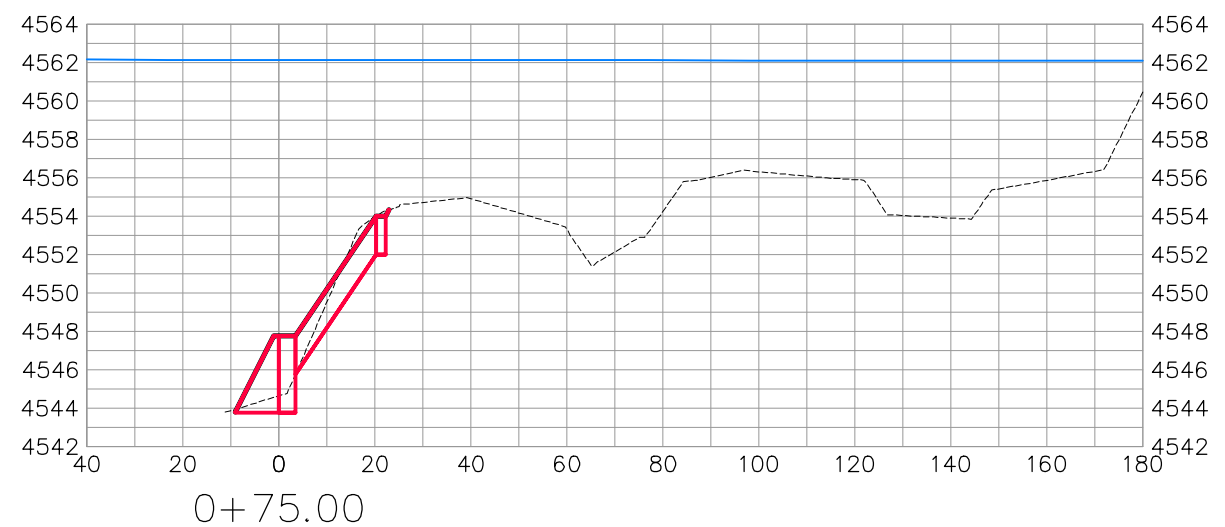
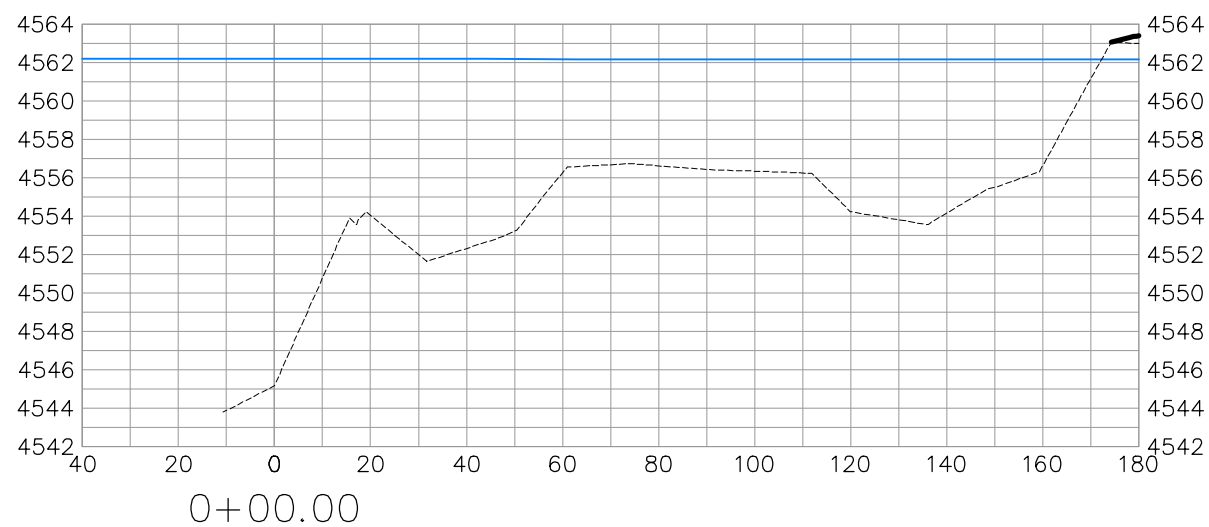
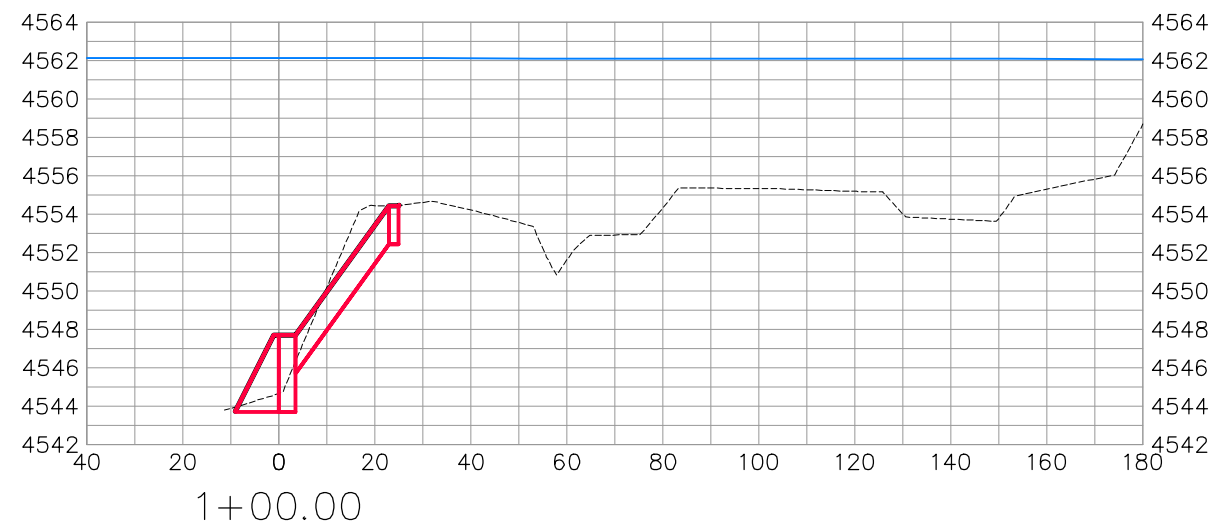
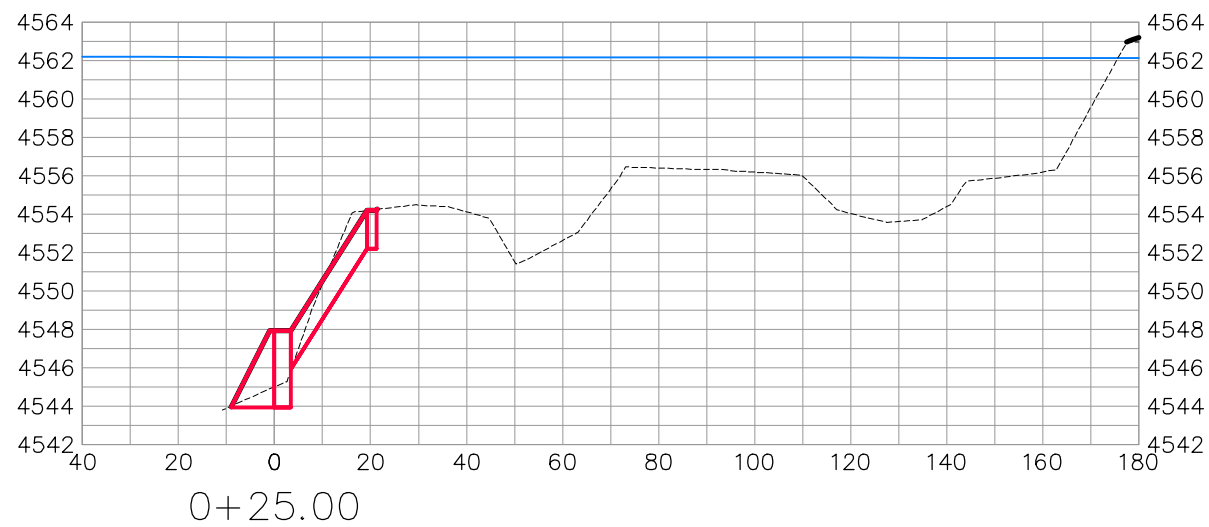
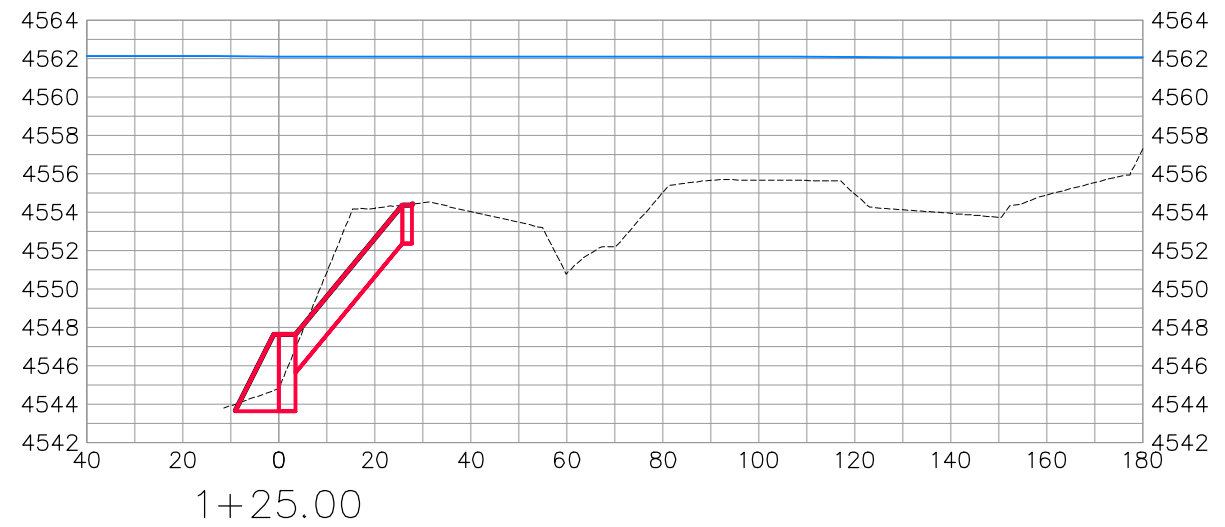
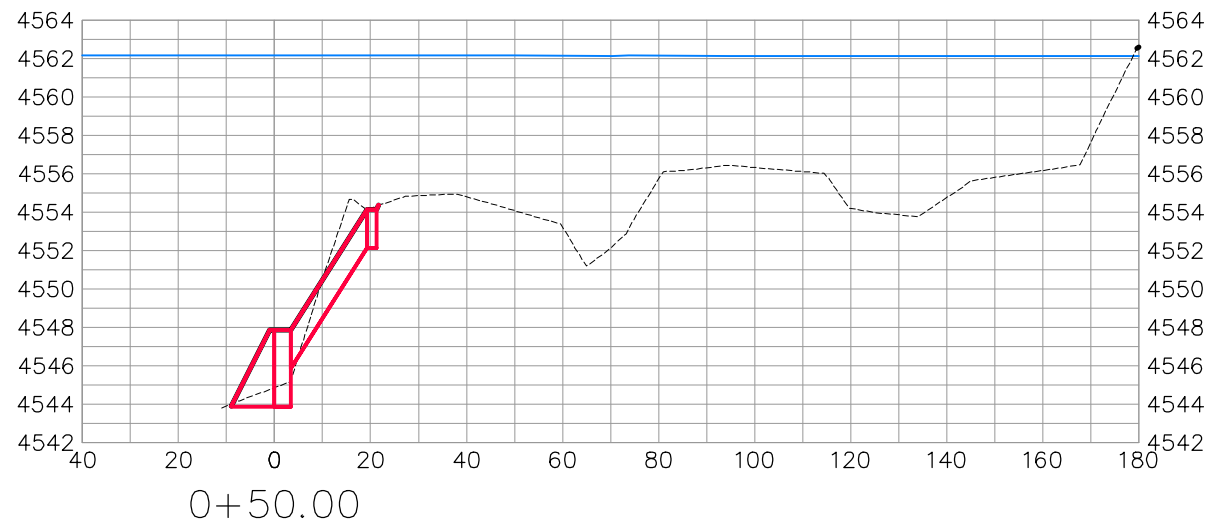
REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
△			JCS	2019
△			JCS	2019
△			BH	2019
△			TCP	2019

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



PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
BANK STABILIZATION PROFILE - 2  
June 19, 2020



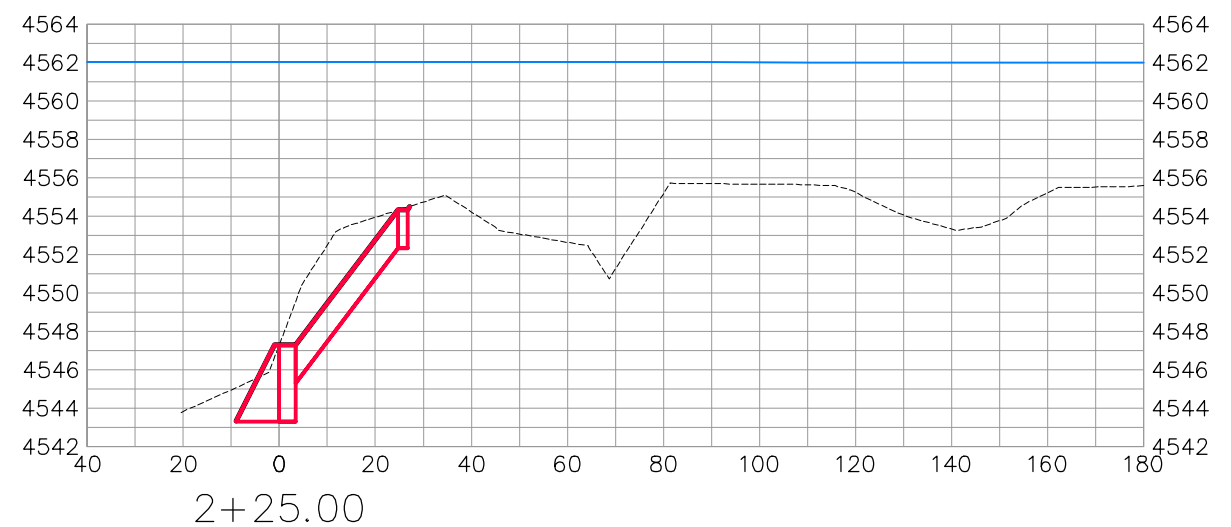
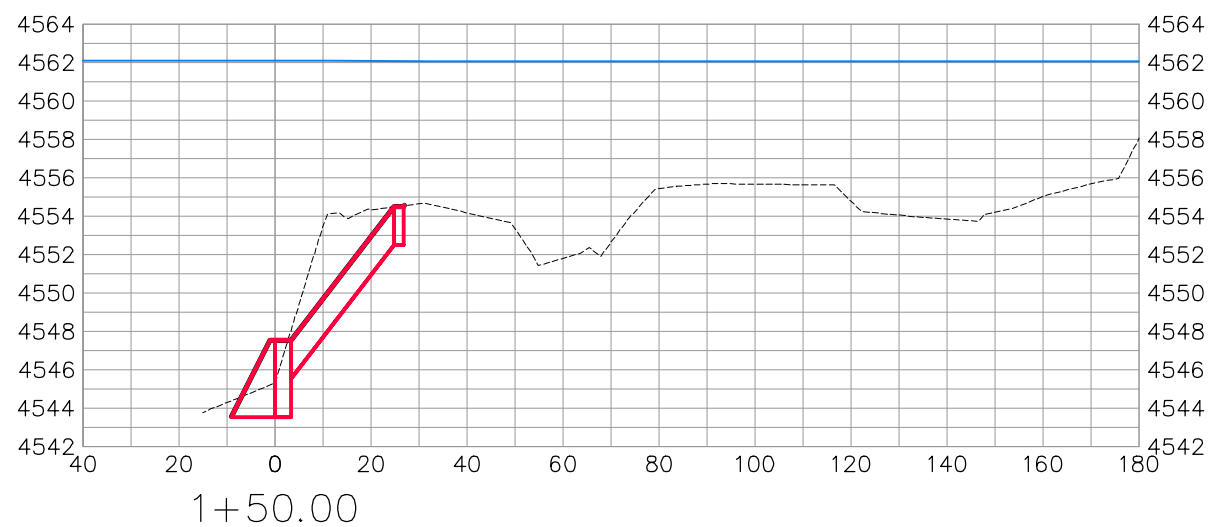
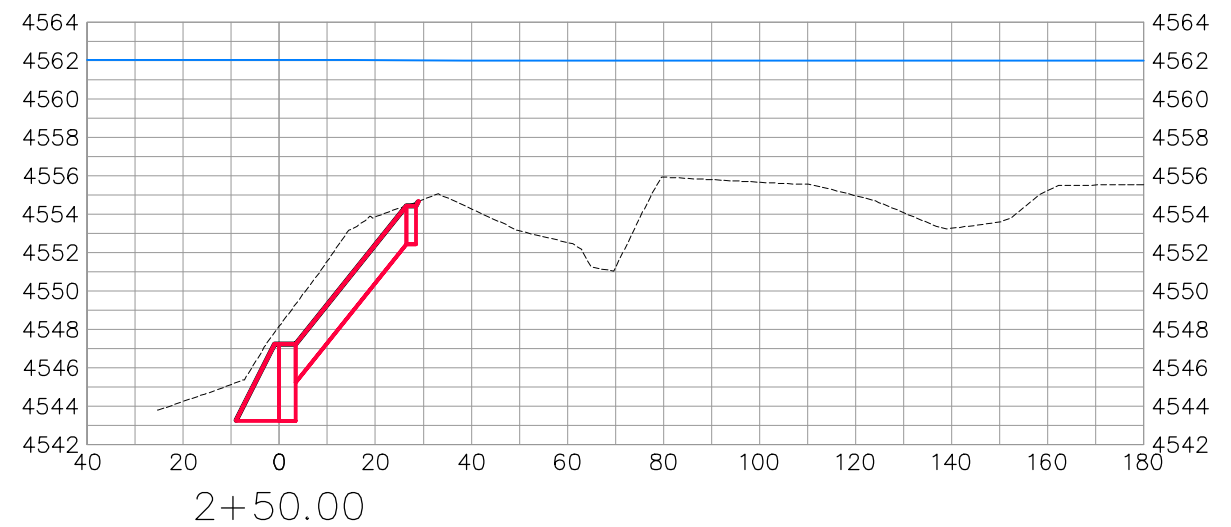
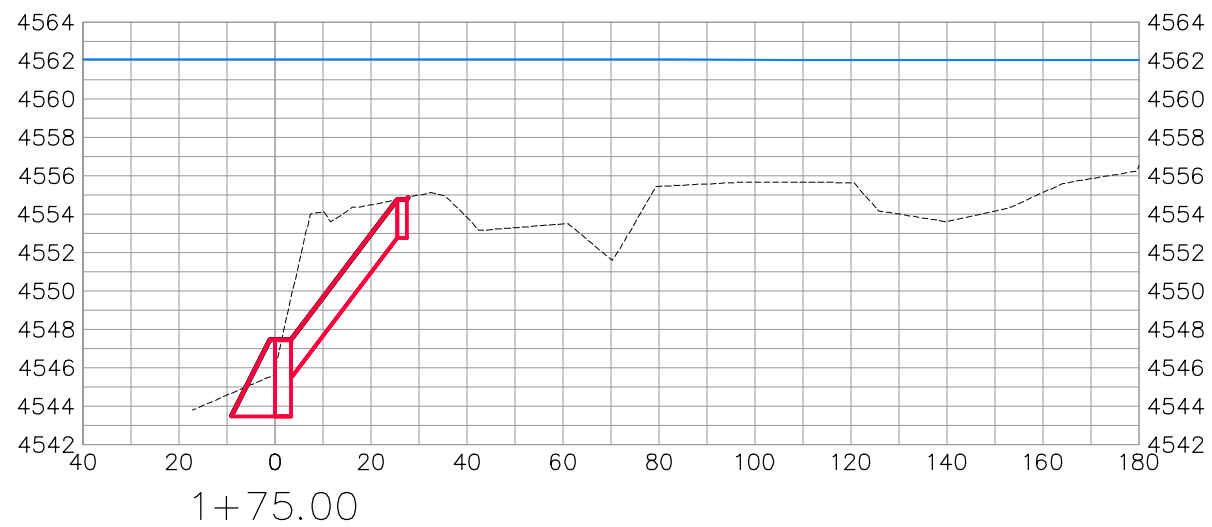
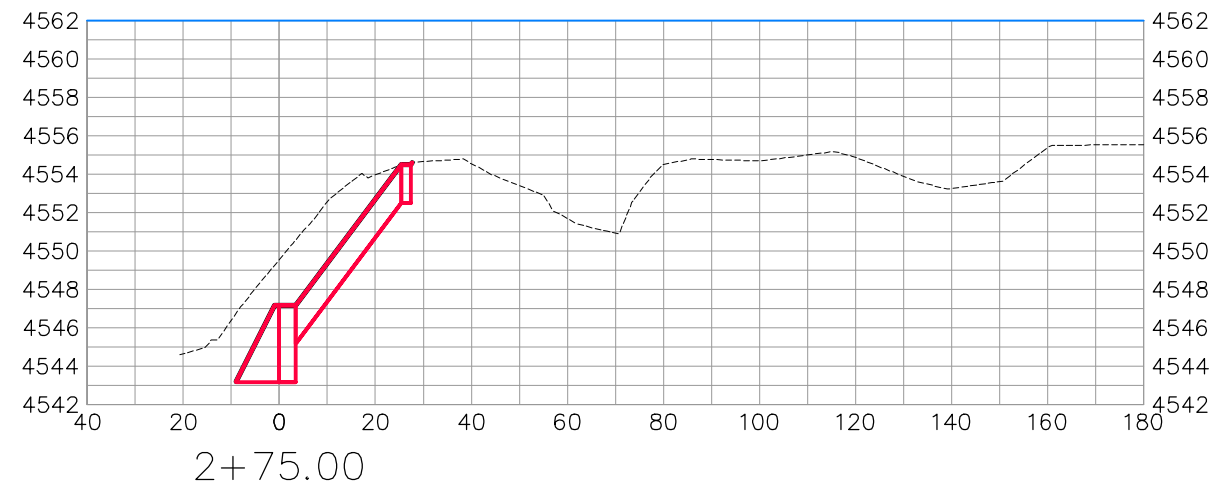
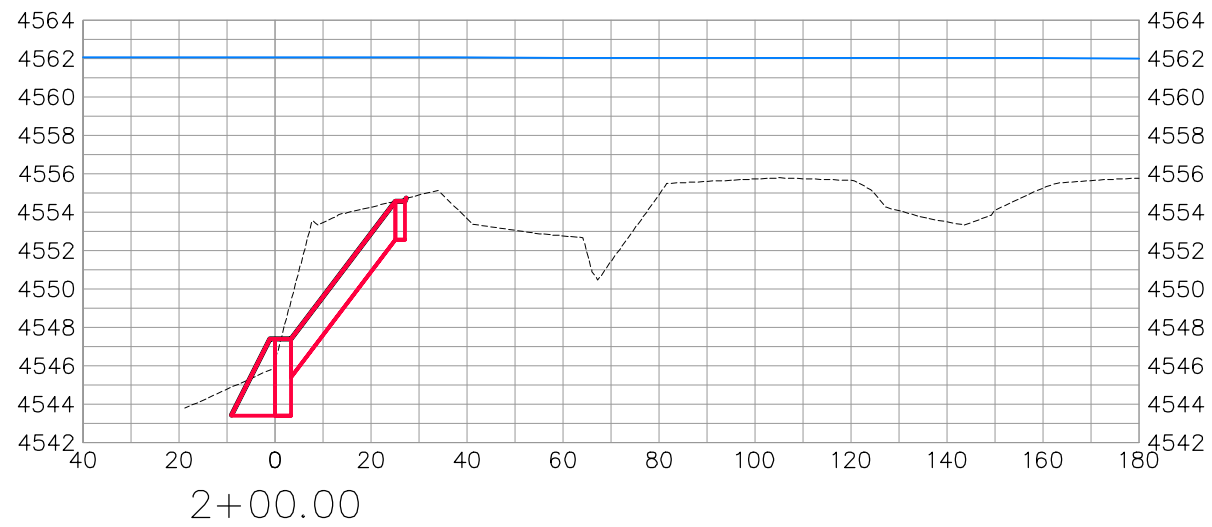
BANK STABILIZATION

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
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△			JCS	2019	
△			BH	2019	0 2.5 5 10 VERTICAL
△			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
BANK STABILIZATION SECTIONS-1  
June 19, 2020



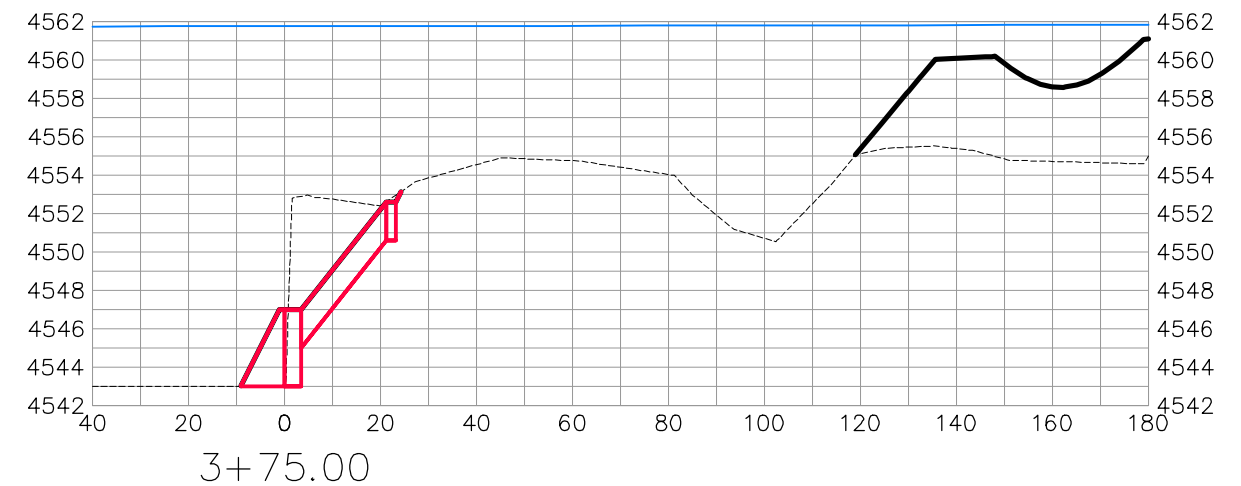
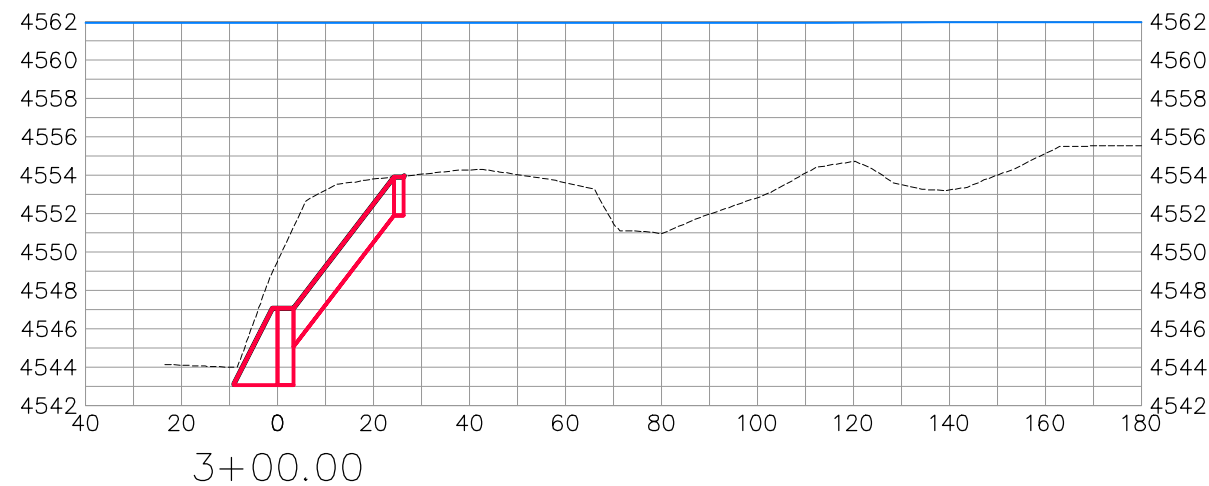
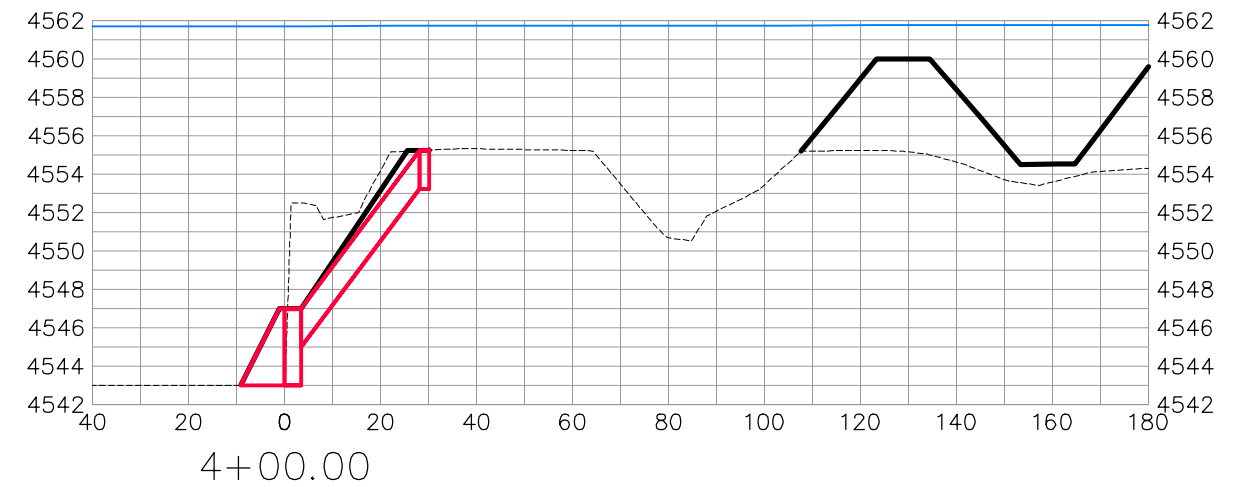
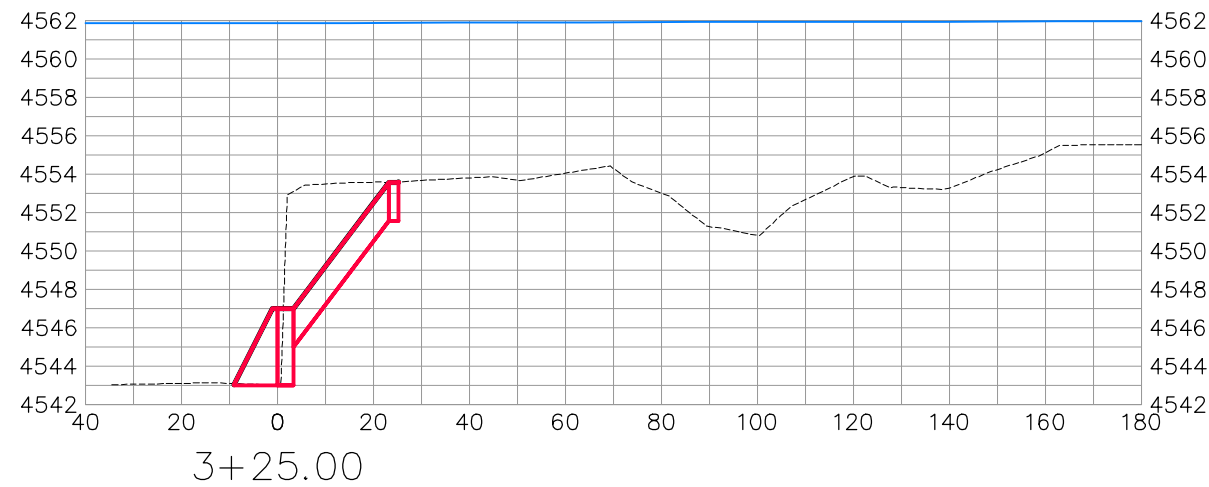
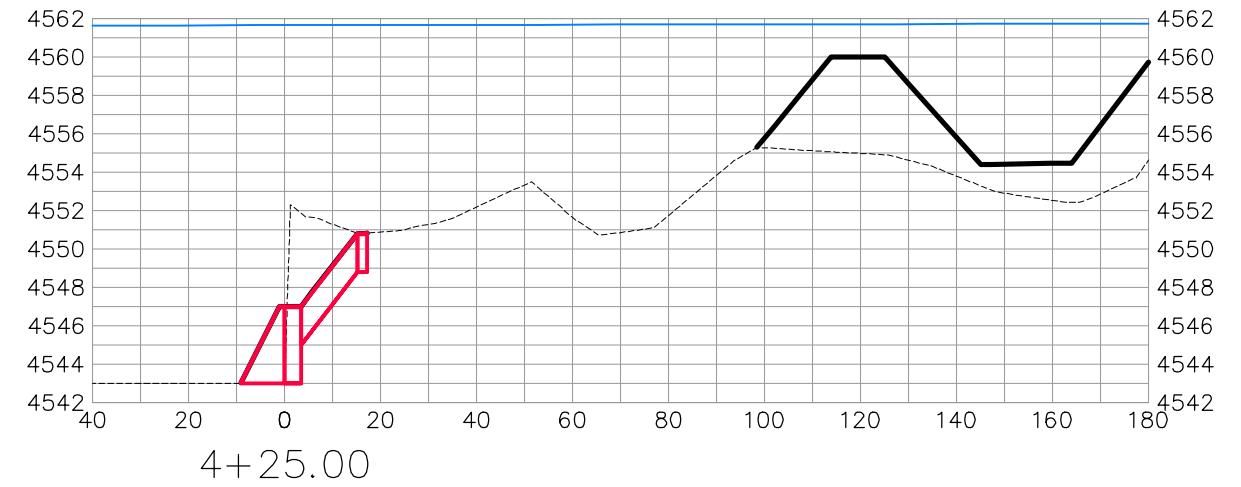
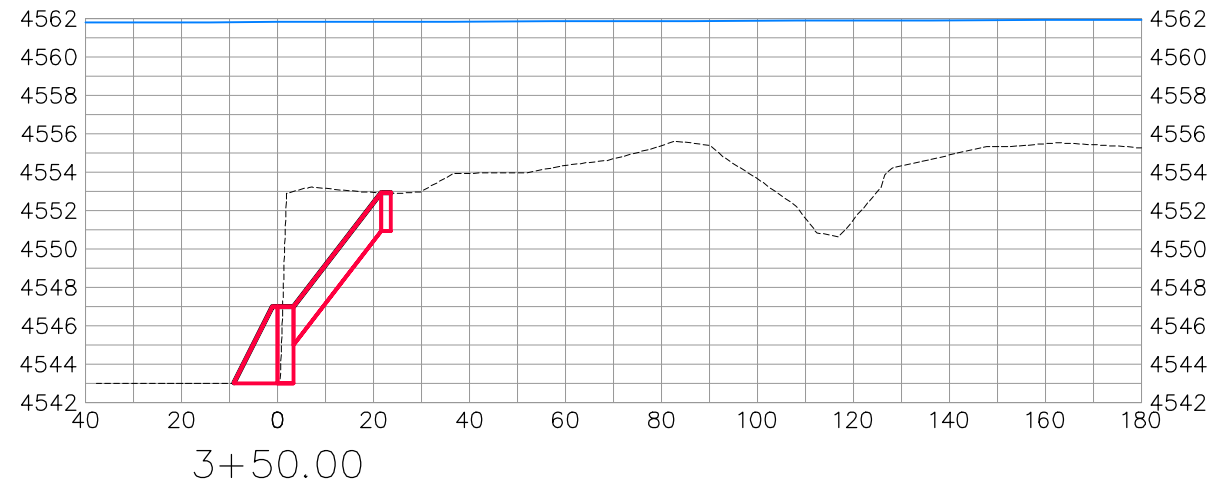
BANK STABILIZATION

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
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△			JCS	2019	
△			BH	2019	
△			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
BANK STABILIZATION SECTIONS-2  
June 19, 2020



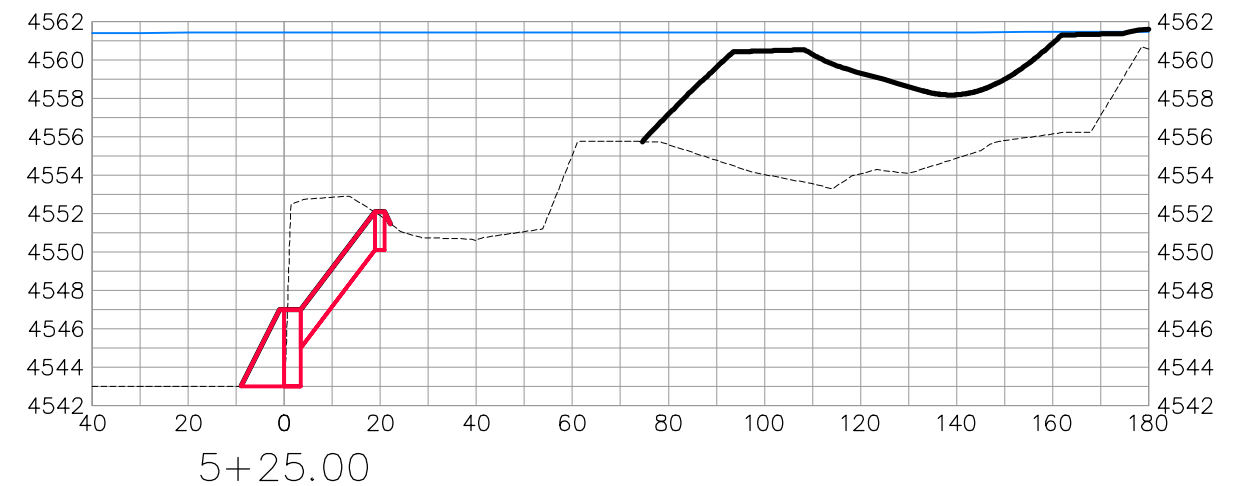
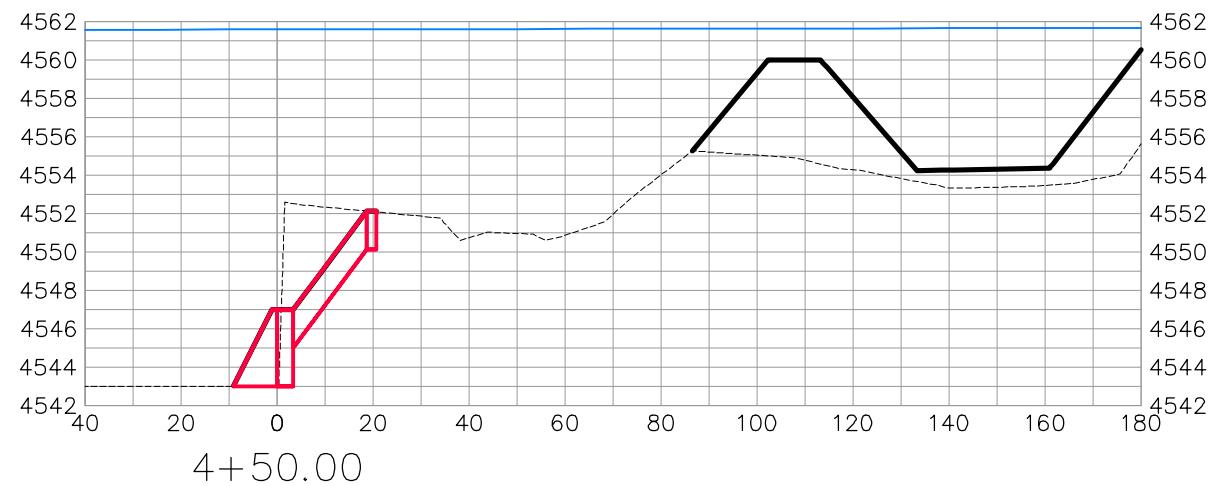
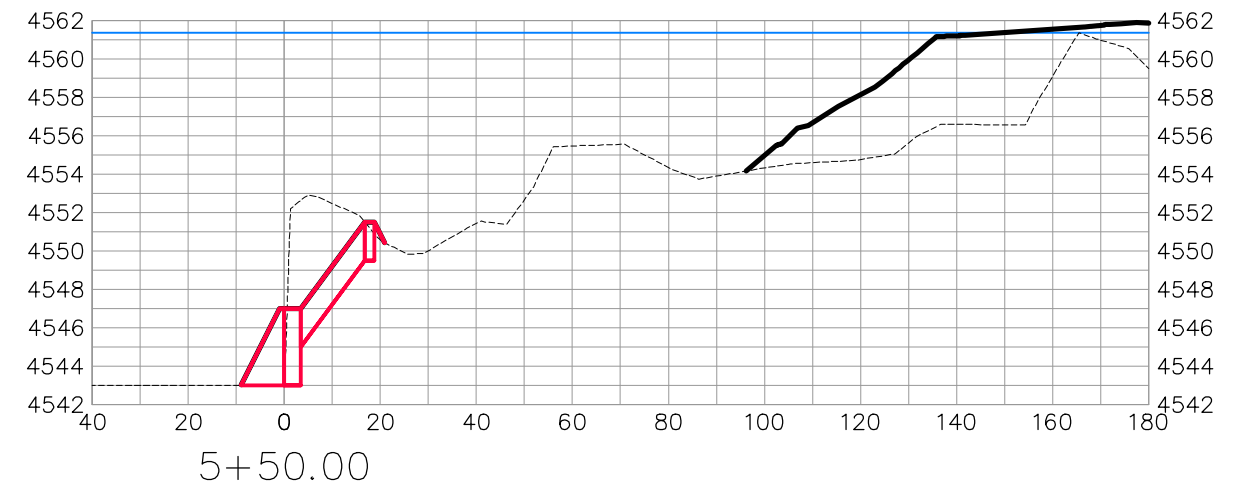
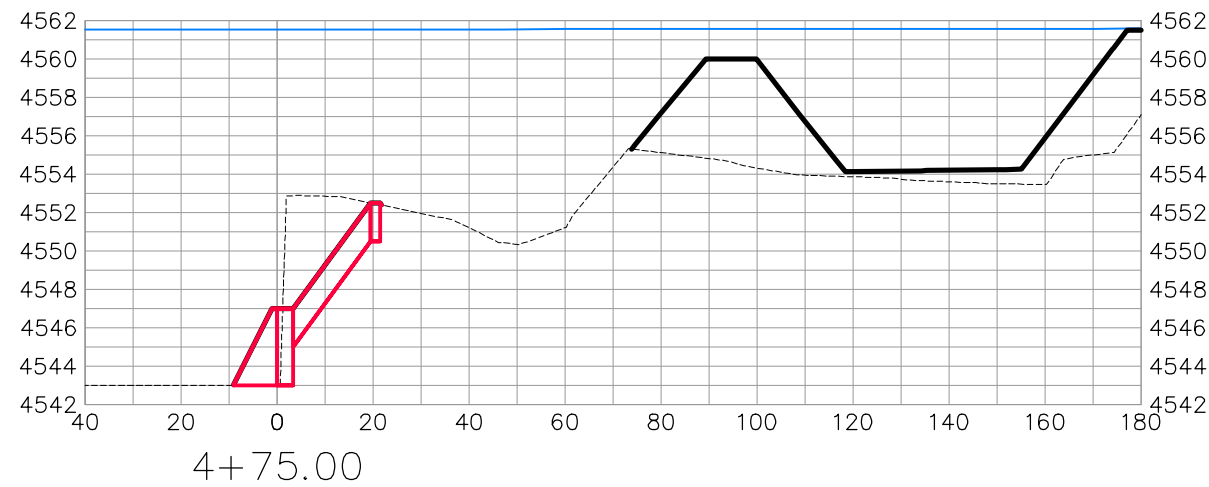
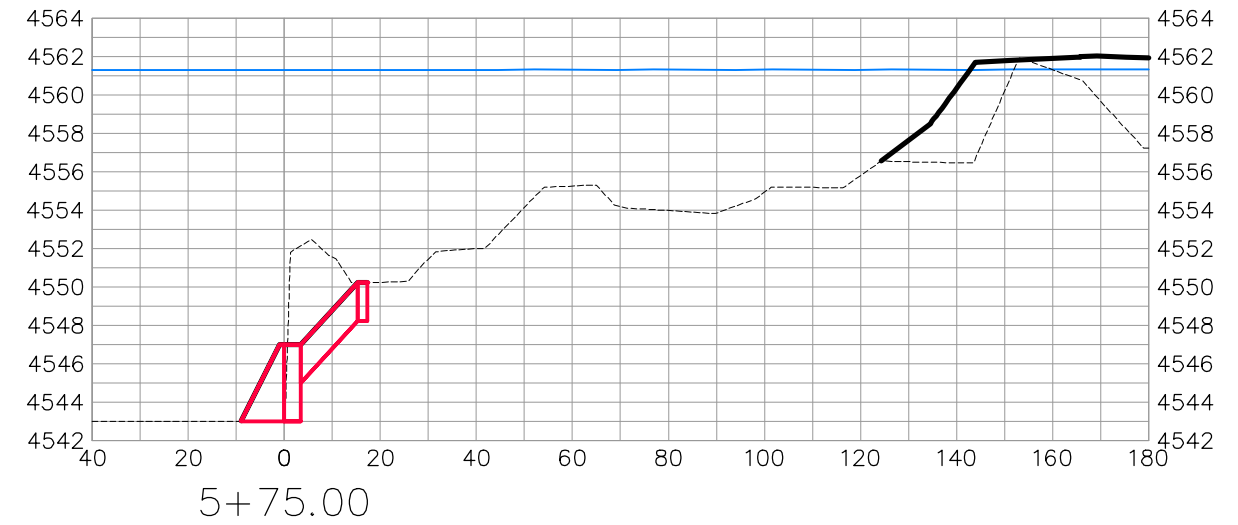
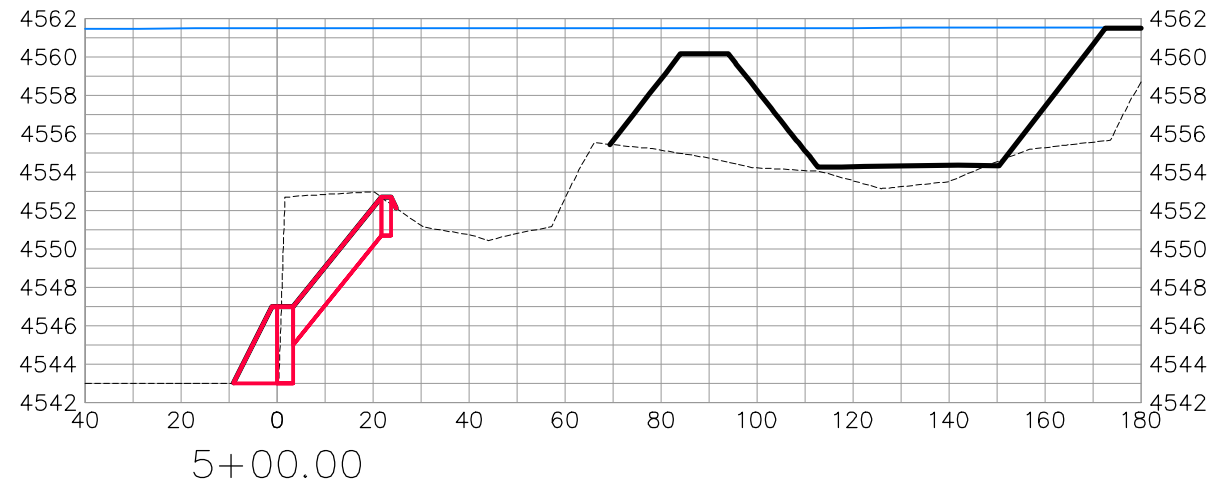
BANK STABILIZATION

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
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△			JCS	2019	
△			BH	2019	
△			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
BANK STABILIZATION SECTIONS-3  
June 19, 2020



BANK STABILIZATION

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
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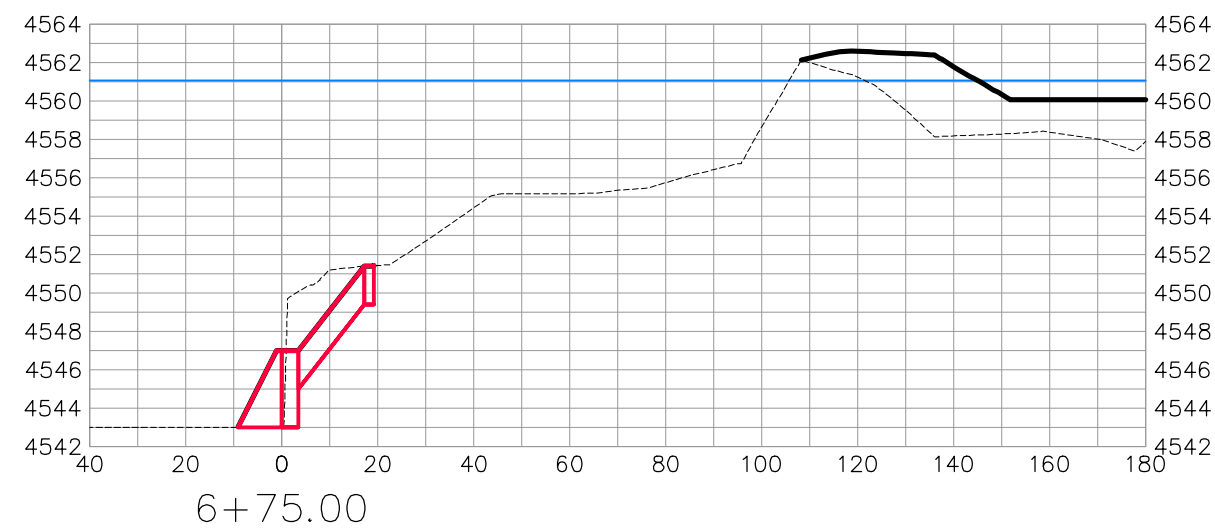
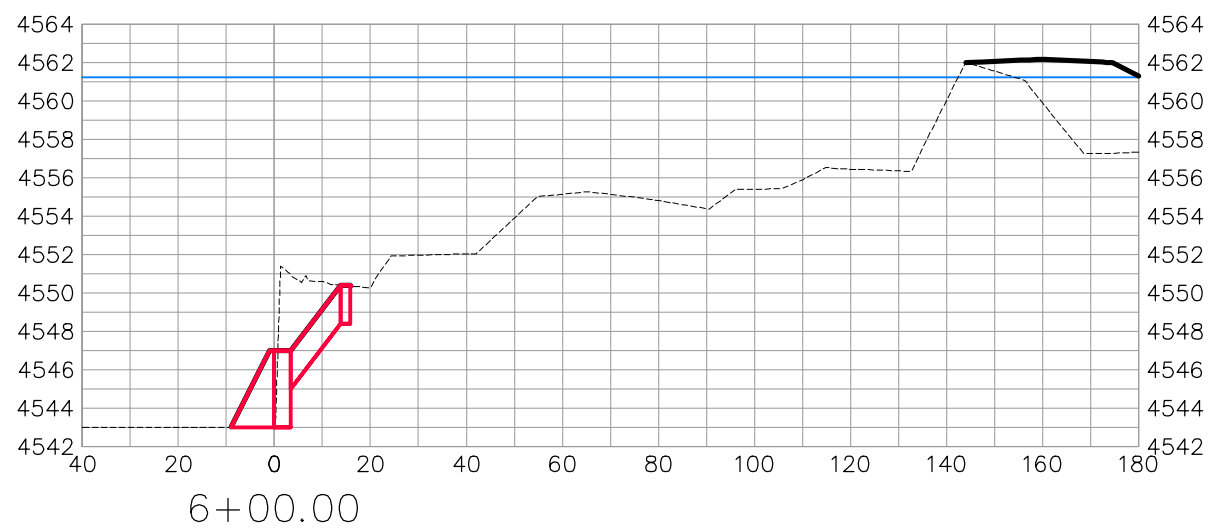
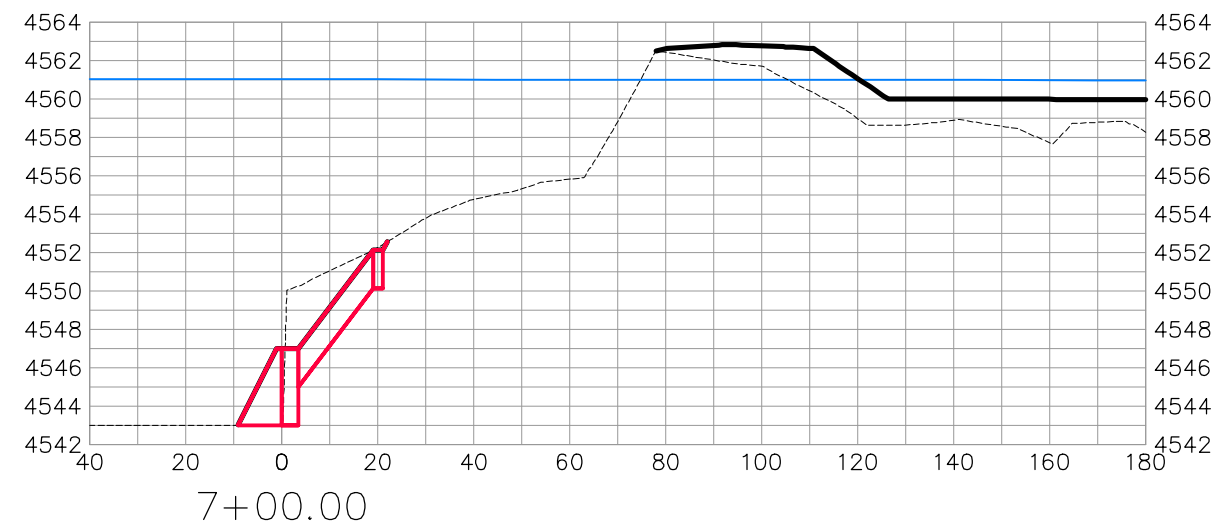
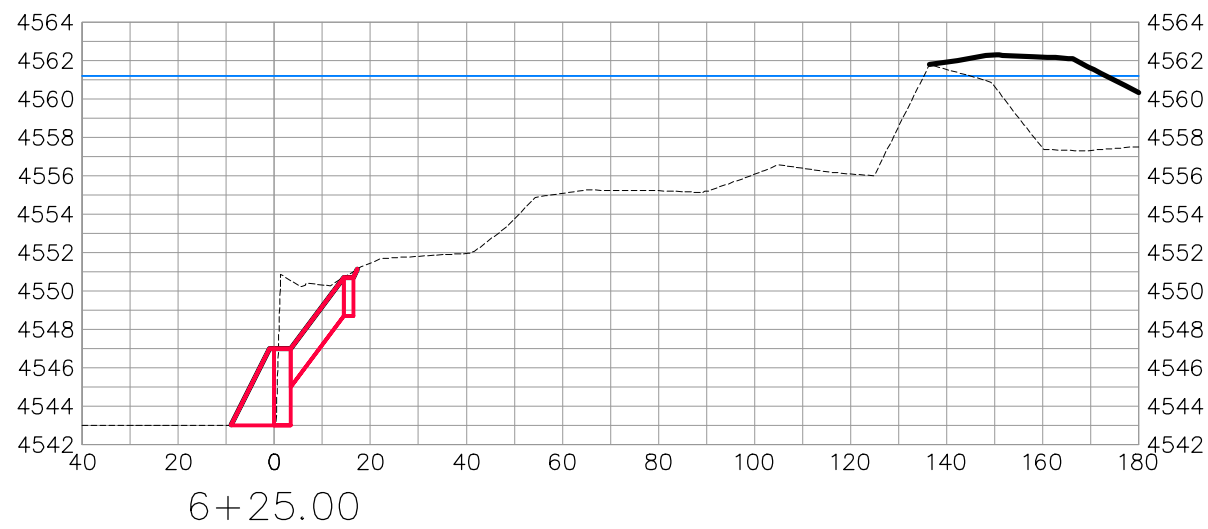
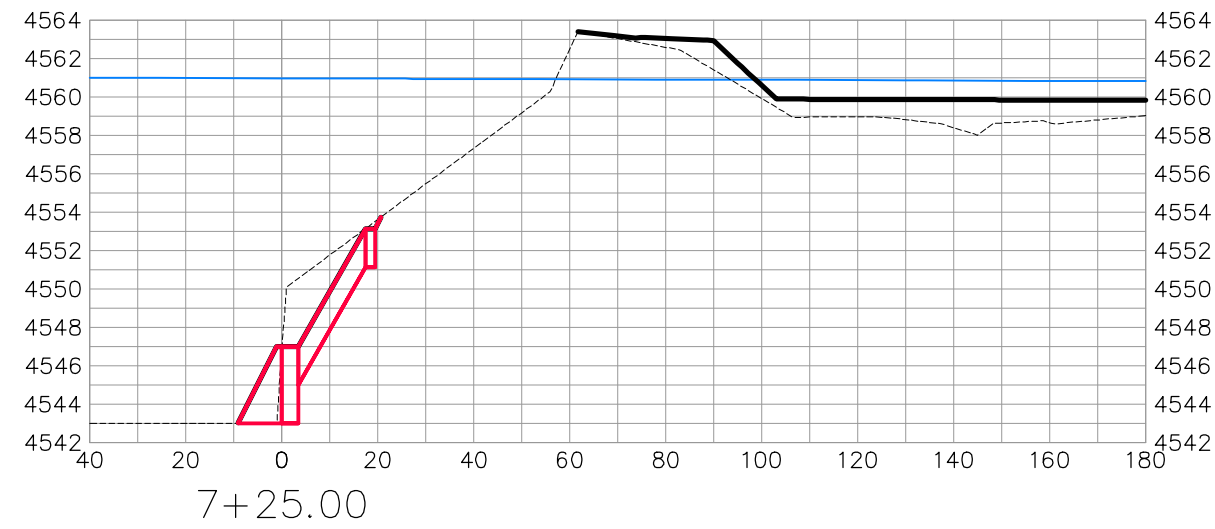
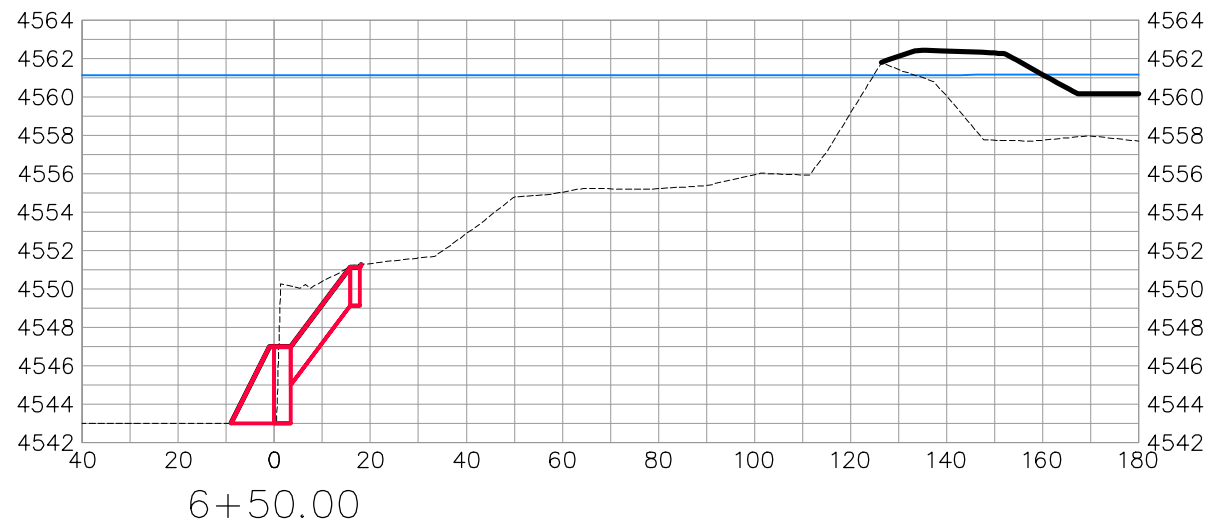
SCALES:	
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HORIZONTAL	
0	10
VERTICAL	



PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
BANK STABILIZATION SECTIONS-4  
June 19, 2020





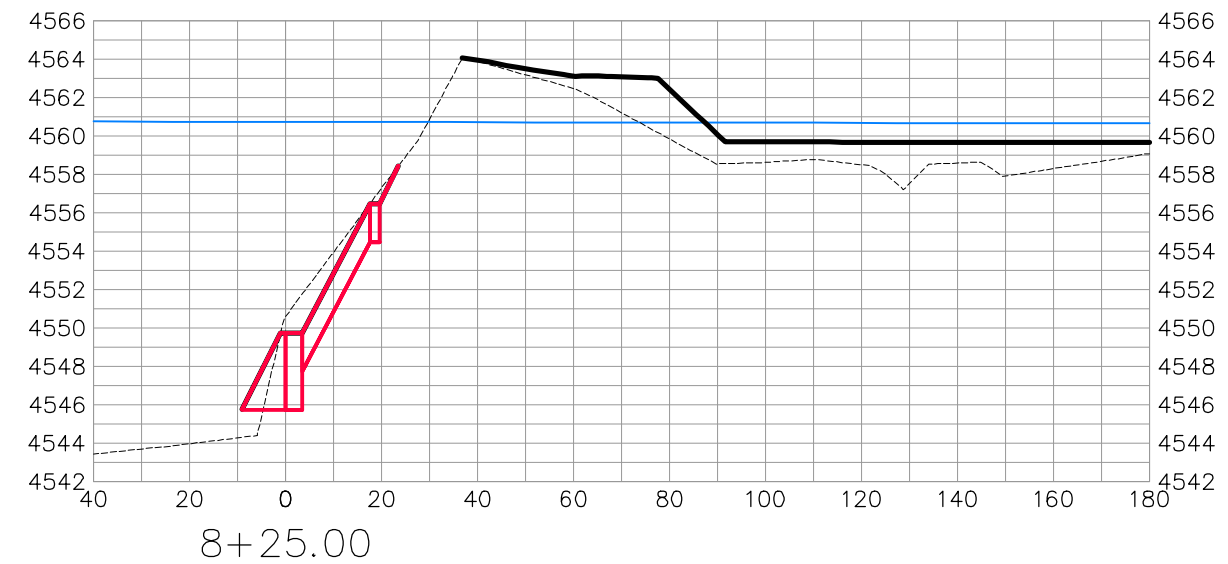
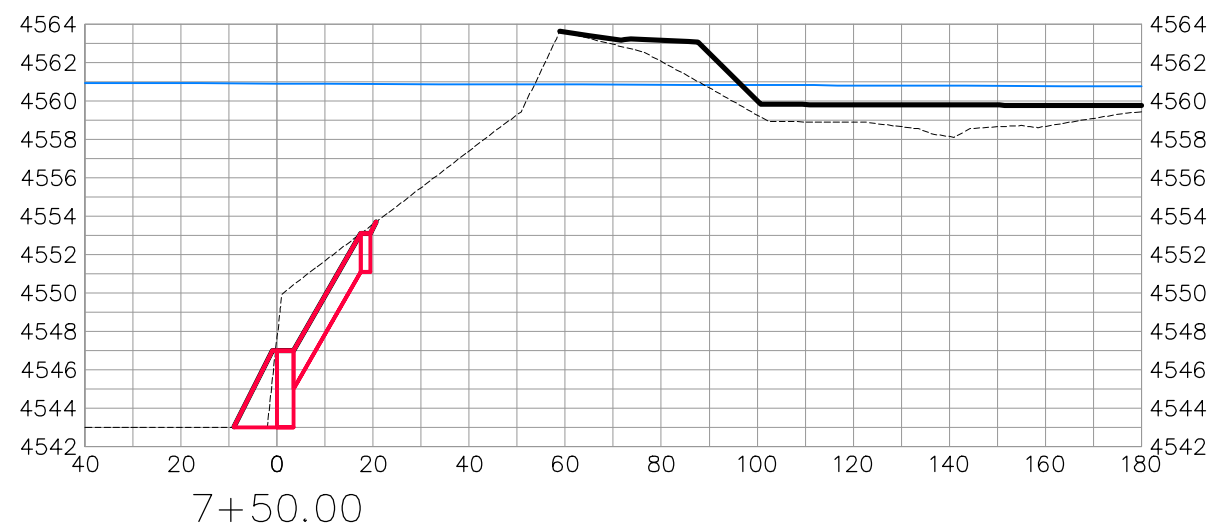
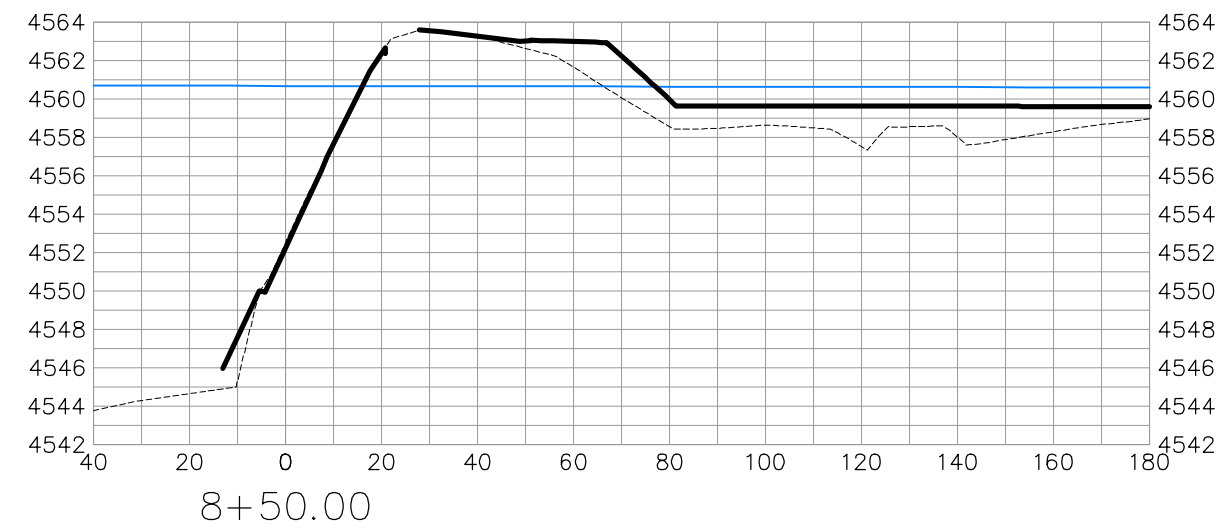
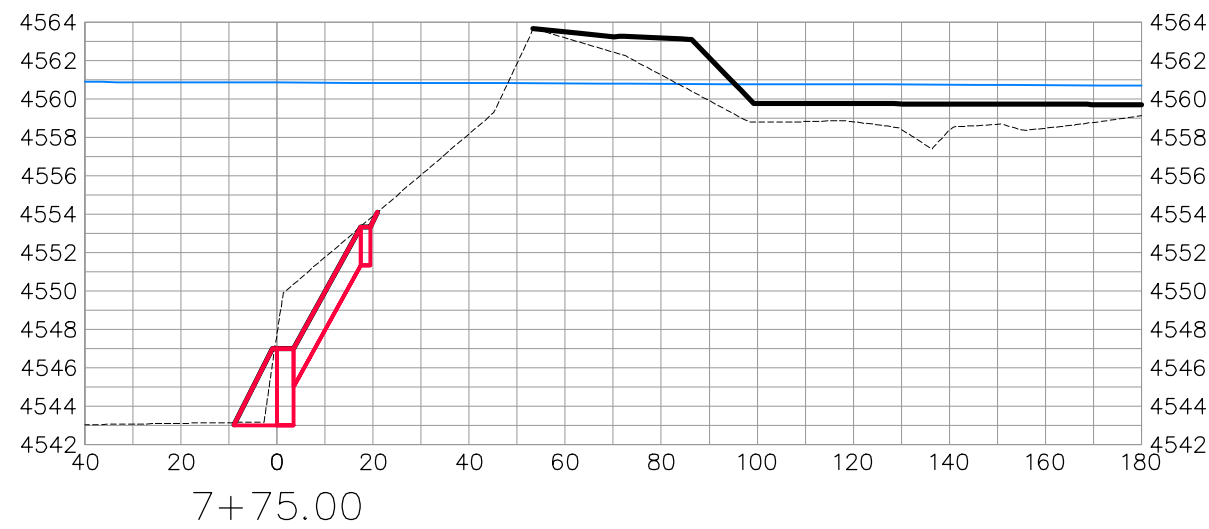
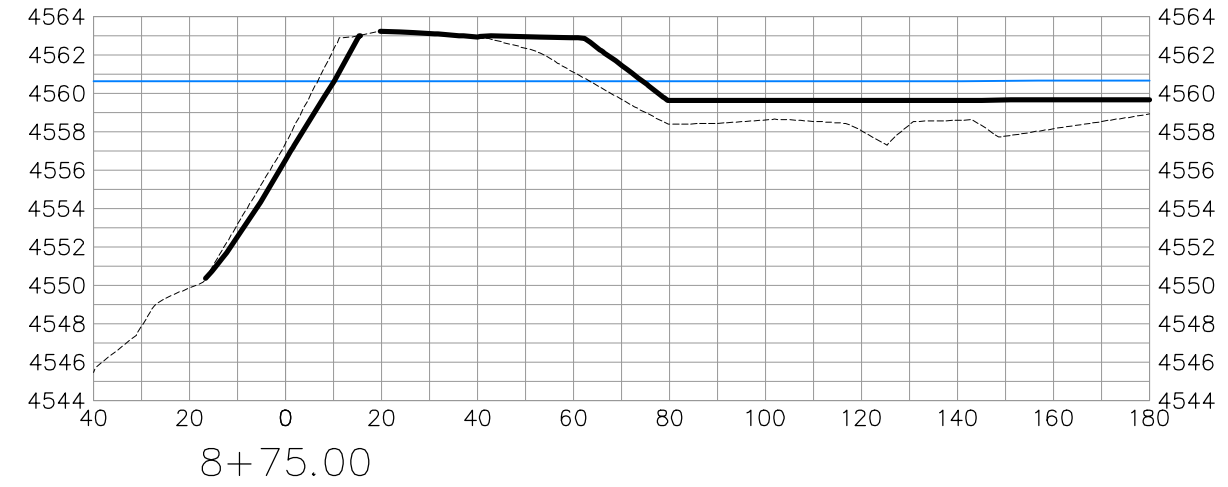
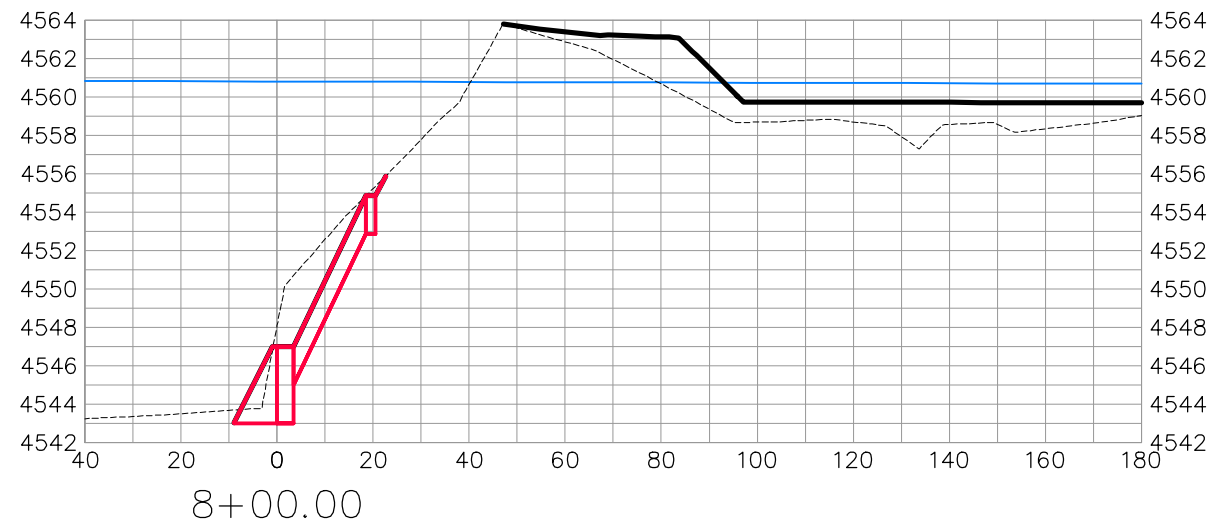
BANK STABILIZATION

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
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△			JCS	2019	0 10 20 40 HORIZONTAL
△			BH	2019	0 2.5 5 10 VERTICAL
△			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

COLORADO RIVER BANK STABILIZATION  
BANK STABILIZATION SECTIONS-5  
June 19, 2020



BANK STABILIZATION

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE	SCALES:
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△			JCS	2019	
△			BH	2019	
△			TCP	2019	



PUBLIC WORKS  
ENGINEERING DIVISION

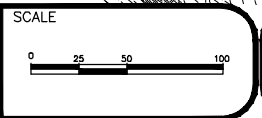
COLORADO RIVER BANK STABILIZATION  
BANK STABILIZATION SECTIONS-6  
June 19, 2020

N:\Landproj\2019 Riverfront at Dos Rios\dwg\00 design\Road Cross Sections.dwg, 6/19/2020 8:17:22 AM



REVISION	DESCRIPTION	DATE
△		
△		
△		
△		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BCH	DATE	2019
APPROVED BY	TCP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
EXISTING GROUND CONTOUR PLAN - 1  
June 18, 2020

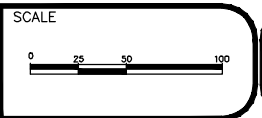
EGC1

N:\Landproj\2019 Riverfront at Dos Rios\dwg\00 design\EXISTING GROUND CONTOUR PLAN.dwg, 6/18/2020 7:14:02 AM



REVISION	DESCRIPTION	DATE
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△		
△		
△		

DRAWN BY	JCS	DATE	2019
DESIGNED BY	JCS	DATE	2019
CHECKED BY	BCH	DATE	2019
APPROVED BY	TCP	DATE	2019



PUBLIC WORKS  
ENGINEERING DIVISION

THE RIVERFRONT AT DOS RIOS  
EXISTING GROUND CONTOUR PLAN - 2  
June 18, 2020

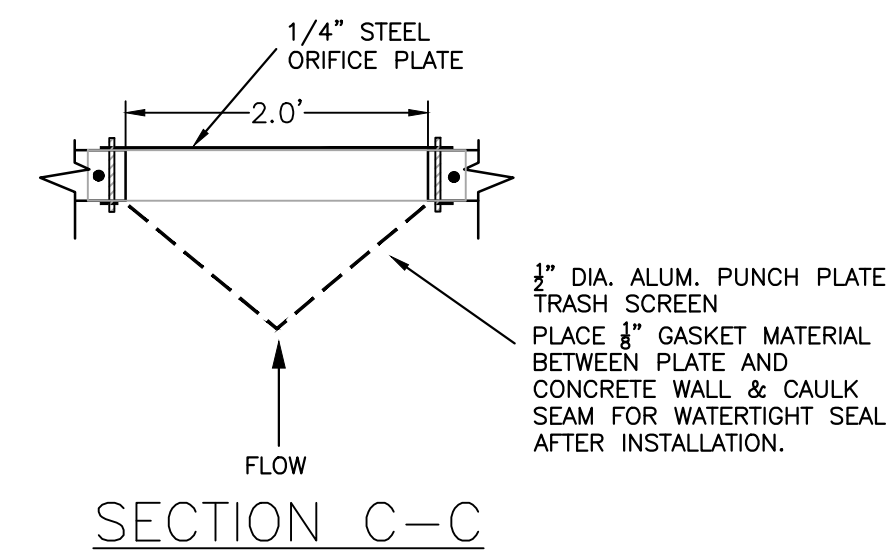
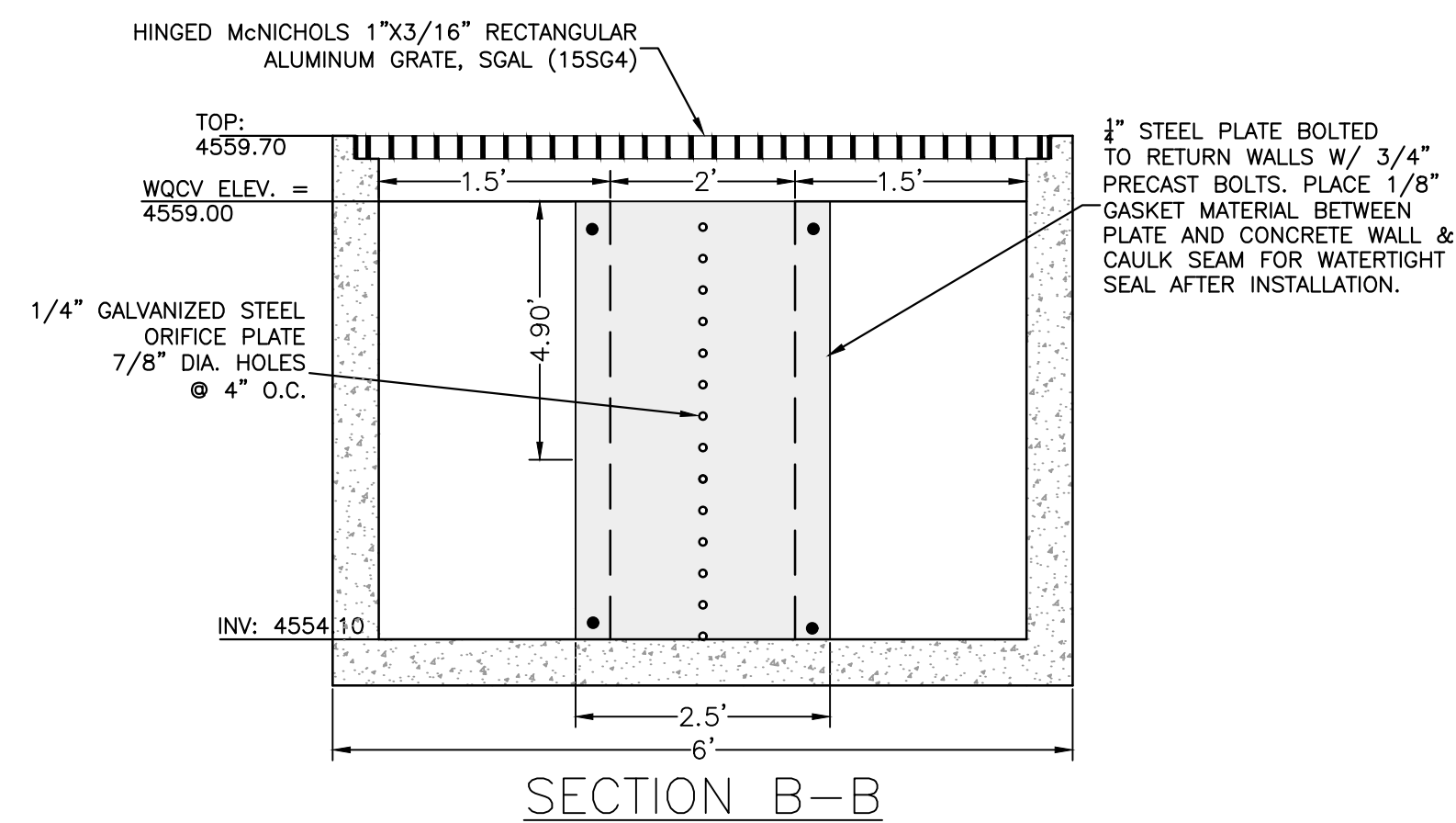
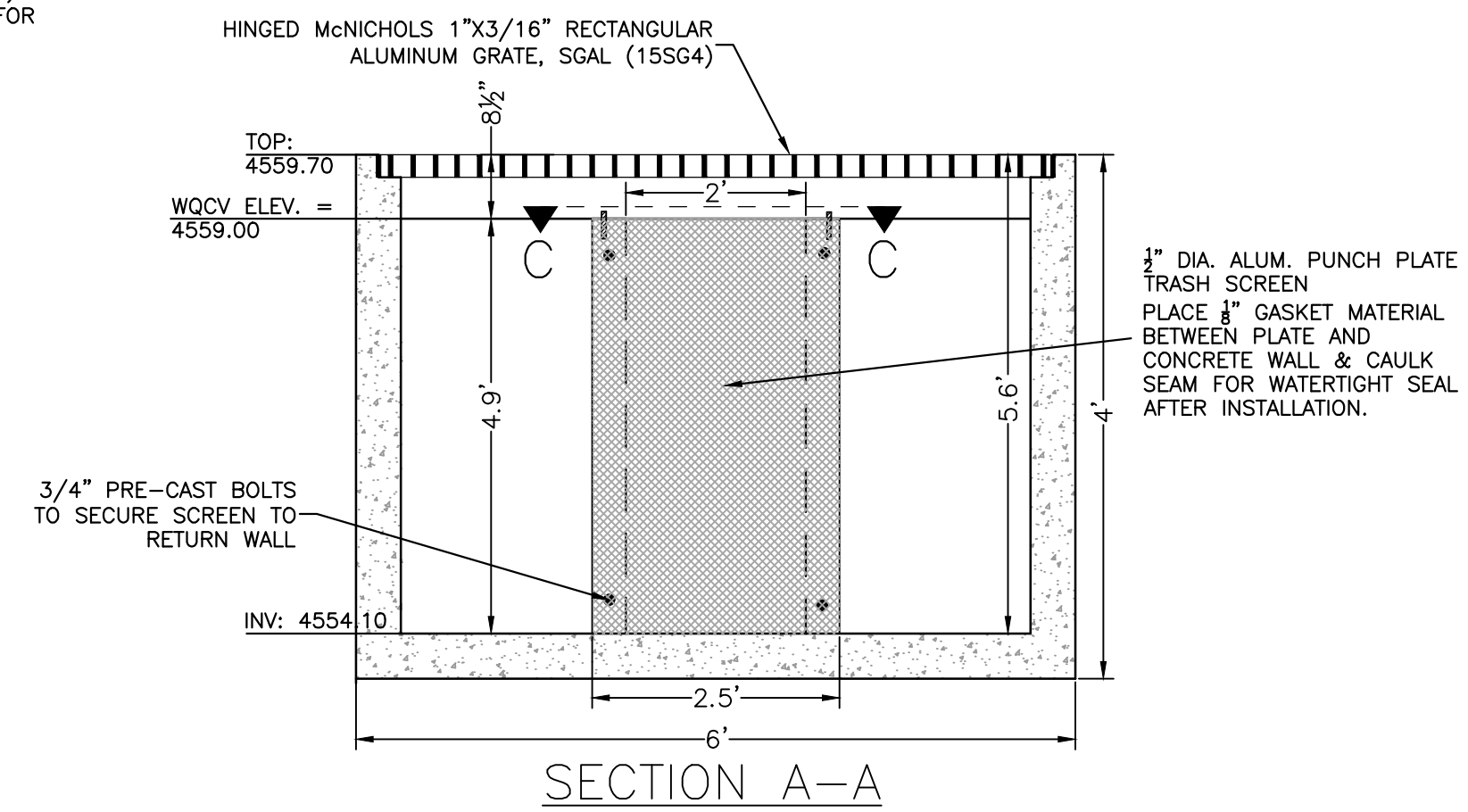
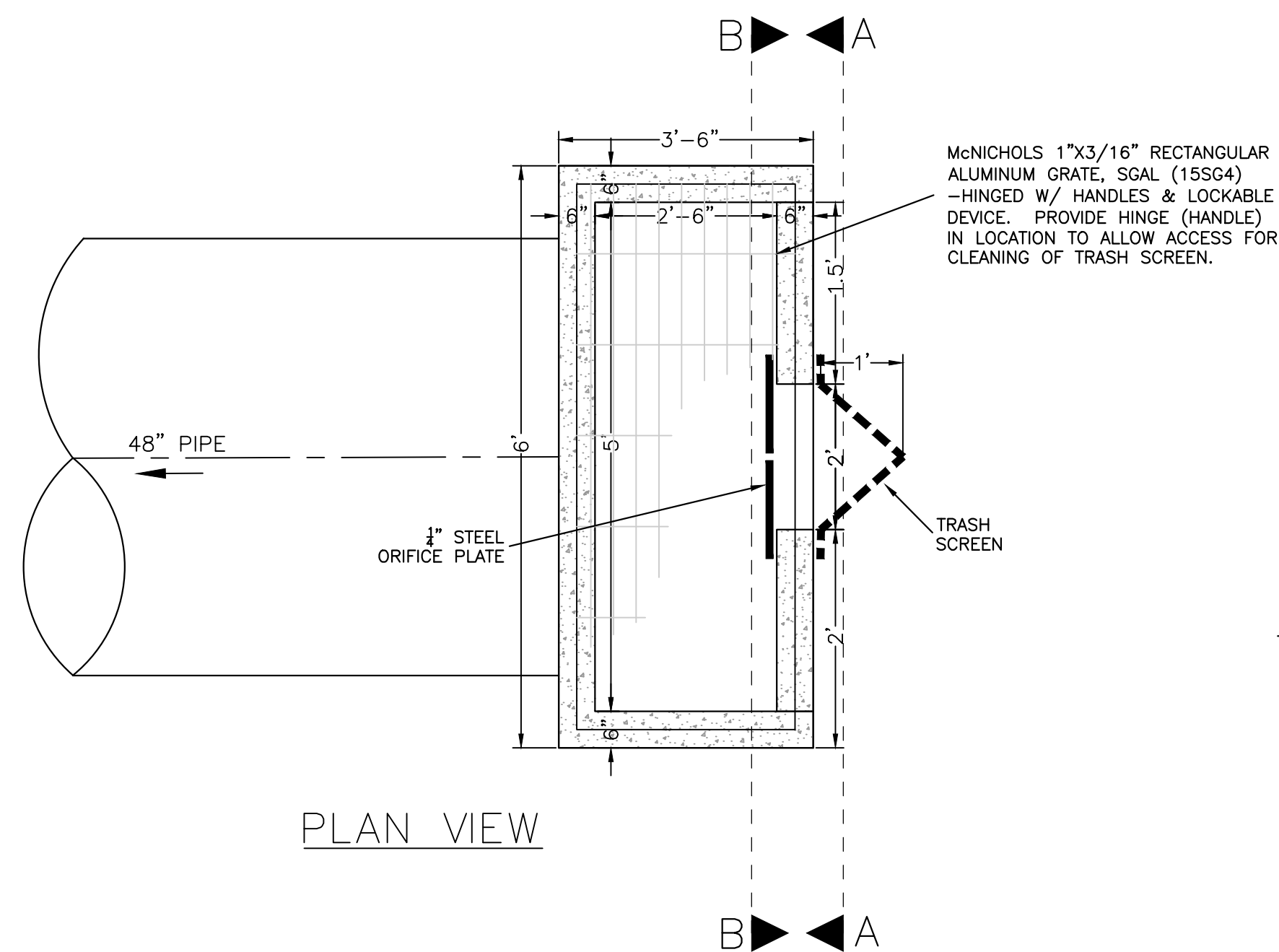
EGC2

N:\Landproj\2019 Riverfront at Dos Rios\dwg\00 design\EXISTING GROUND CONTOUR PLAN.dwg, 6/18/2020 7:14:05 AM









**WATER QUALITY OUTLET  
 STRUCTURE  
 STORM STRUCTURE  
 NTS**

Know what's below.  
 Call before you dig.

SCALE VERIFICATION  
 BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET  
 ADJUST SCALES ACCORDINGLY

NO.	REVISIONS DESCRIPTION	DATE	BY

**A · C · G**  
**AUSTIN CIVIL GROUP, INC.**  
 Land Planning · Civil Engineering · Development Services  
 123 North 7th Street, Suite 300 · Grand Junction, Colorado 81501  
 (970) 242-7540

**THE RIVERFRONT AT DOS RIOS**  
 WQ OUTLET STRUCTURE  
 2581 RIVERSIDE PARKWAY  
 prepared for  
**CITY OF GRAND JUNCTION**

DRAWN BY: CIM	DESIGNED BY: CIM	CHECKED BY:	APPROVED BY: MFA
JOB NUMBER: 1024.0008			
DATE: 11/6/19			
SCALE: NTS			
SHEET NO: C-1			



**ACCEPTANCE BLOCK**  
 THE CITY OF GRAND JUNCTION REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE CITY'S DEVELOPMENT STANDARDS, SUBJECT TO THESE PLANS BEING SEALED, SIGNED, AND DATED BY THE PROFESSIONAL OF RECORD. REVIEW BY THE CITY DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN. THE CITY NEITHER ACCEPTS NOR ASSUMES ANY LIABILITY FOR ERRORS OR OMISSIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD.  
 CONSTRUCTION MUST COMMENCE WITHIN ONE YEAR FROM THE DATE OF PLAN SIGNATURE.

CITY DEVELOPMENT ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

CITY PLANNER \_\_\_\_\_ DATE \_\_\_\_\_



