

CITY OF RAYMORE

100 Municipal Circle · Raymore, MO. 64083
Phone · 816-892-3045 · Fax · 816-892-3093



ADDENDUM NO. 1

West Hawk Ridge Improvements
Project #22-386-201

All plan holders are hereby notified and agree by signature below, that the proposal includes consideration of the following changes, amendments, and/or clarifications and costs associated with these changes and are included in the proposal.

Addendum No. 1 - BID DATE REVISED - Question and clarification.

BID DATE REVISED: Bids are due March 23, 2022 at 10 a.m.

1. Clarification: Revised Bid Proposal Form E. Attached.

2. Question: Does the polygon building for the restroom pavilion have to be polygon or can an equivalent brand meeting the specifications be used?

Answer: It can be an equivalent brand as long as it meets the specifications and the design intent.

3. Question: Can you please provide the Geotech report?

Answer: The City will post that information separately on the QUEST site.

4. Question: Who is responsible for material testing?

Answer: The contractor

5. Question: If the excavated material onsite is unsuitable for fill, how will this be handled?

Answer: All materials should be suitable for fill. If not, the contractor may pile the excess in an approved location on site.

6. Question: Can onsite material be used as topsoil backfill or will better topsoil need to be hauled in for the top 4"?

Answer: Onsite material can be used as topsoil. Additional soil is available in a large pile north of the project site.

7. Question: What trees are to be removed?

Answer: The only trees that should be removed are associated with the alternate bid for the road. If the alternate road project is accepted, two trees have been identified for removal and general brush removal to widen the area that cuts between the woods just northwest of the parking lot/playground area.

8. Question: Will there be utility connection fees for electrical and water or will they be waived by the city? If so, what will those fees be?

Answer: The contractor shall coordinate with Evergy regarding the electrical service. Any costs associated with providing electrical services to the site will be the

responsibility of the City. Any fees associated with the water connection will be waived by the City.

9. Question: Items #6-8 are at "0" on the bid form. Can you please update these?

Answer: Updated. See attached Revised Bid proposal Form E.

10. Question: Will any permit fees be waived by the city? If not, what are those costs?

Answer: All City permit fees associated with the project will be waived.

11. Question: The parking lot curb on sheet 9 of the plans scales off at 1.5' wide. Is this an error?

Answer: The level road_Curb_back was turned-off. Now, it is turned-on. Curb and gutter is 2' wide.

12. Question: What does the electrical line tie into?

Answer: The location has been labeled on the utilities plan sheet. Contractor is responsible for coordinating the actual connection point with Evergy.

13. Question: What does the waterline tie into?

Answer: The location has been labeled on the utilities plan sheet.

14. Question: Is the thickness of the parking lot asphalt pavement also to be 8" total?

Answer: Yes per the typical section sheet pavement detail in the lower left hand corner.

15. Question: If Alternate #2 concrete bid items are selected, how will this affect other pay items? Will the asphalt items from the base bid drop as these increase or do the Alt #2 concrete items only represent the additional cost to install concrete in lieu of asphalt?

Answer: See revised attached Bid proposal form.

16. Question: Will any testing be required other than daily concrete testing? If so, please detail.

Answer: Contractor will be responsible for submitting mix designs for asphalt and concrete. Gradation and extraction of a representative asphalt field sample will be required to verify asphalt being placed meets the requirements of the approved mix design.

17. Question: There does not appear to be a pay item for the two "10' concrete grass parking access" pads shown on sheet 5 of the plans.

Answer: A pay item has been added to the bid tab.

18. Question: Where is the water meter obtained? What is the cost?

Answer: The City will provide the water meter at no cost.

19. Question: What are the requirements for subgrade?

Answer: Please see the City of Raymore Standard Technical Specifications located on the City of Raymore website (www.raymore.com).

20. Question: How does the alternate road tie into the existing parking lot?

Answer: Concept plan that shows the road, parking lot, and new playground - ATTACHED

21. Question: What is the thickness of the steel for the restroom enclosure?

Answer: Steel tube framing thickness for the gate shall be ¼" th. Thicknesses for the primary structural steel framing (13 3419) shall be determined through delegated design by the metal building systems manufacturer.

22. Question: Please confirm the contractor is not doing anything with the grass parking lot except for the 10' concrete access

Answer: Only restoration of areas disturbed by the construction of the concrete access is required under this contract.

23. Question: Please confirm Owner is providing Porta Potties

Answer: Correct, the owner will provide porta potties

24. Question: Please provide a specification for the "safety light and pole" required on the base bid?

Answer: See attached streetlight cut sheet

25. Question: How tall is the ribbon curb to be?

Answer: Ribbon curb is intended to be APWA Type C-1. 7" is the height.

26. Question: Are bid quantities final? Or would we re measure final quantities in the field and adjustments made for any discrepancies?

Answer: Final payment will be based on actual quantities measured in the field with the exception of unclassified excavation and embankment which will be paid on a plan quantity basis.

MoDOT Standard Specification 203.8 - 2021 will be replaced with the following Specification.

203.8 Method Of Measurement.

203.8.1 Contract Quantity Payment.

The quantities of excavation , compacting embankment, and embankment in place for which payment will be made will be those shown in the contract for the various items.

203.9 Basis of Payment.

Roadway and drainage excavation will be paid for at the contract unit price per cubic yard of plan quantity and will be considered full compensation for the following: (a) Excavating. (b) Hauling any distance. (c) Placing and forming embankments. (d) Preparation of subgrade. (e) Shouldering, rounding slopes, obliterating existing roadbeds or temporary construction, finishing of graded earth roadway, picking up and disposing of field stone and other rock. (f) Disposal of excess excavation. (g) Any work noted on the plans to be included in the contract unit price for excavation.

28. Question: What is the species of the tongue-and-groove wood decking?

Answer: The tongue-and-groove wood decking species is to be southern yellow pine with factory staining.

29. Question: The base bid quantities are only factoring in the trail cross sections, should the soccer loop cut and parking lot earthwork need to be added as well? We are also noticing that the plans are showing a cut of almost 5' in the NE corner of the lot and I'm not sure that this is what you are looking for since the existing ground is fairly flat and has a natural slope falling from east to west.

Answer: Earthwork quantities have been revised

Pre-Bid Attendees:

Sands Construction	Primetime Contracting
Terry Snelling Construction	Mega KC Corp
J Oliver Construction	Paritrave Innovations
CFS Engineers	

Any other questions regarding this proposal shall be submitted to Kim Quade, CPPB by email at kquade@raymore.com or by phone at (816) 892-3045. There will be no questions allowed after March 18, 2022 at 5 p.m.

I hereby certify that the above have been considered and associated costs have been included in this bid.

Company Name: _____

By: _____

Title: _____

Address: _____

City, State, Zip: _____

Date: _____ Phone: _____

Signature of Bidder: _____

ADDENDUM MUST BE SUBMITTED WITH BID

***REVISED* BID PROPOSAL FORM E – Project No. 22-386-201**

WEST HAWK RIDGE PARK IMPROVEMENTS

Base Bid

Bid Items	Units	Estimated Quantities	\$/Units	Total
MOBILIZATION	L.S.	1		\$
CONSTRUCTION STAKING	L.S.	1		\$
CLEARING, GRUBBING, AND DEMOLITION	L.S.	1		\$
UNCLASSIFIED EXCAVATION	C.Y.	324		\$
EMBANKMENT	C.Y.	1,496		\$
2" ASPHALTIC CONCRETE SURFACE	S.Y.	4,809		\$
4" ASPHALT BASE	S.Y.	2,916		\$
6" ASPHALT BASE	S.Y.	1,893		\$
6" AGGREGATE BASE	S.Y.	2,117		\$
ADA RAMP	EA.	2		\$
6" CONCRETE FOR PORTABLE RESTROOM	S.Y.	81		\$
2' DRY CURB AND GUTTER	L.F.	856		\$
6" RIBBON CURB	L.F.	98		\$
PORTABLE RESTROOM ENCLOSURE	EA.	1		\$
24" CONCRETE STORM PIPE	L.F.	74		\$
24" RCP END SECTION	EA.	2		\$
ELECTRICAL SERVICE	L.F.	328		\$
SAFETY LIGHT AND POLE	EA.	1		\$
2" WATER SERVICE LINE	L.F.	279		\$
8" X 2" REDUCER	EA.	1		\$
1.5" WATER METER	EA.	1		\$
2" BACKFLOW PREVENTER VALVE	EA.	1		\$
2" x 2" TEE	EA.	1		\$
2" 90 DEGREE BEND	EA.	1		\$
2" PLUG	EA.	1		\$
REMOVE AND REPLACE EXISTING HYDRANT	EA.	1		\$
WATER SPIGOT	EA.	1		\$
PERMANENT SIGNING AND PAVEMENT MARKING	L.S.	1		\$
EROSION CONTROL, SODDING AND SEEDING	L.S.	1		\$
TRAFFIC CONTROL	L.S.	1		\$
TOTAL BASE BID				

Add Alternate #1

Bid Items	Units	Estimated Quantities	\$/Units	Total
CLEARING, GRUBBING & DEMOLITION	L.S.	1		\$
UNCLASSIFIED EXCAVATION	C.Y.	1,044		\$
EMBANKMENT	C.Y.	1,965		\$
2" ASPHALTIC CONCRETE SURFACE	S.Y.	1,788		\$
6" ASPHALT BASE	S.Y.	1,788		\$
6" AGGREGATE BASE	S.Y.	2,031		\$
2' DRY CURB AND GUTTER	L.F.	1,094		\$
6" RIBBON CURB	L.F.	1,002		\$
ADA RAMP	EA.	1		\$
PERMANENT SIGNING AND PAVEMENT MARKING	L.S.	1		\$
EROSION CONTROL, SODDING AND SEEDING	L.S.	1		\$
TRAFFIC CONTROL	L.S.	1		\$
TOTAL ADD ALTERNATE #1				\$

Add Alternate #2

Bid Items	Units	Estimated Quantities	\$/Units	Total
4" CONCRETE SIDEWALK	S.Y.	1185		\$
4" CONCRETE SIDEWALK AROUND FIELDS	S.Y.	1,775		\$
2" ASPHALTIC CONCRETE SURFACE	S.Y.	-2,960		\$
4" ASPHALT BASE	S.Y.	-2,960		\$
TOTAL ADD ALTERNATE #2				

**BID PROPOSAL FORM E – RFP 22-386-201
CONTINUED**

Company Name _____

By _____
Authorized Person's Signature

Print or type name and title of signer

Company Address _____

Phone _____

Fax _____

Email _____

Date _____

ADDENDA

Bidder acknowledges receipt of the following addendum:

Addendum No. _____

Addendum No. _____

Addendum No. _____

Addendum No. _____

Addendum No. _____

Addendum No. _____

LATE BIDS CANNOT BE ACCEPTED!



Master Plan Connectivity





ADDENDUM

SUNSET LANE & HAWK RIDGE PARK: PORTABLE RR ENCLOSURE
CITY OF RAYMORE, RAYMORE, MISSOURI
ADDENDUM NO. 01
ISSUED: 03/09/2022

TO DOCUMENTS TITLED: UPDATED LAYOUT FOR THE PORTA POTTY STRUCTURE
01/20/2022

ENGINEER-OF-RECORD: CFS Engineers
1421 E. 104th St. Ste. 100
Kansas City, Missouri 64131

ARCHITECT-OF-RECORD: SFS Architecture Inc.
2100 Central Suite 31
Kansas City Missouri 64108

The Contract Documents for the above referenced project and the Work covered thereby are modified as described herein.

General Notes and Clarifications:

1. The tongue-and-groove wood decking species is to be southern yellow pine with factory staining.

Specifications:

1. SECTION 13 3419 – METAL BUILDING SYSTEMS
 - a. REPLACE this specification section in its entirety.

Drawings:

1. N/A

Attachments: SPECIFICATION SECTION 13 3419 METAL BUILDING SYSTEMS

END OF ADDENDUM

**SECTION 13 3419
METAL BUILDING SYSTEMS**

PART 1 GENERAL**1.01 SECTION INCLUDES**

- A. Manufacturer-engineered, shop-fabricated structural steel building frame.
- B. Metal wall and roof panels including soffits.

1.02 REFERENCE STANDARDS

- A. AISC 360 - Specification for Structural Steel Buildings 2016 (Revised 2021).
- B. ASTM A36/A36M - Standard Specification for Carbon Structural Steel 2019.
- C. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware 2016a.
- D. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2020.
- E. AWS A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination 2020.
- F. AWS D1.1/D1.1M - Structural Welding Code - Steel 2020.
- G. IAS AC472 - Accreditation Criteria for Inspection Programs for Manufacturers of Metal Building Systems 2018.
- H. MBMA (MBSM) - Metal Building Systems Manual 2019.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene one week before starting work of this section.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on profiles, component dimensions, fasteners.
- C. Shop Drawings: Indicate assembly dimensions, locations of structural members, connections; wall and roof system dimensions, panel layout, general construction details, anchors and methods of anchorage, and installation; framing anchor bolt settings, sizes, locations from datum, and foundation loads; indicate welded connections with AWS A2.4 welding symbols; indicate net weld lengths; provide professional seal and signature.
- D. Samples: Submit two samples of precoated metal panels for each color selected, 6 by 6 inch in size illustrating color and texture of finish.
- E. Manufacturer's Instructions: Indicate preparation requirements, anchor bolt placement, and similar coordination items as required for specified installation.
- F. Erection Drawings: Indicate members by label, assembly sequence, and temporary erection bracing.
- G. Manufacturer's Qualification Statement: Provide documentation showing metal building manufacturer is accredited under IAS AC472.
 - 1. Include statement that manufacturer designs and fabricates metal building system as integrated components and assemblies, including but not limited to primary structural members, secondary members, joints, roof, and wall cladding components specifically designed to support and transfer loads and properly assembled components form a complete or partial building shell.

1.05 QUALITY ASSURANCE

- A. Perform work in accordance with AISC 360 and MBMA (MBSM).
- B. Manufacturer Qualifications: Company specializing in the manufacture of products similar to those required for this project.
 - 1. Not less than five years of documented experience.

- C. Erector Qualifications: Company specializing in performing the work of this section with minimum five years experience.
- D. Welder Qualifications: Welding processes and welding operators qualified in accordance with AWS D1.1/D1.1M and no more than 12 months before start of scheduled welding work.

1.06 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective Work within a five year period after Date of Substantial Completion.
- C. Provide five year manufacturer warranty for installation and finishes.
 - 1. Include coverage for exterior pre-finished surfaces to cover pre-finished color coat against chipping, cracking or crazing, blistering, peeling, chalking, or fading. Include coverage for weather tightness of building enclosure elements after installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Metal Buildings Systems:
 - 1. Porter Corp., a Playcore company; Polygon, Monoslope: www.poligon.com
 - 2. Park Planet: www.parkplanet.com
 - 3. Substitutions: See Section 01 6000 - Product Requirements.

2.02 ASSEMBLIES

- A. Single span rigid frame.
- B. Primary Framing: Rigid frame of rafter beams and columns, canopy beams, and wind bracing.
- C. Secondary Framing: Purlins, and other items detailed.
- D. Roof System: Preformed metal panels, with 12" wide profile, oriented parallel to slope, with with 2x6 tongue and groove wood structural decking, and accessory components.
- E. Roof Slope: As indicated on Drawings.

2.03 MATERIALS - FRAMING

- A. Structural Steel Members: ASTM A36/A36M.
- B. Welding Materials: Perform in accordance with AWS D1.1/D1.1M.

2.04 MATERIALS - ROOF

- A. Steel Sheet: Hot-dipped galvanized, 24ga, steel sheet, ASTM A653/A653M, Designation SS (structural steel), Grade 33 (230), with G90/Z275 coating.
- B. Joint Seal Gaskets: Manufacturer's standard type.
- C. Fasteners: Manufacturer's standard type, galvanized to comply with requirements of ASTM A153/A153M, finish to match adjacent surfaces when exterior exposed.
- D. Sealant: Manufacturer's standard type.
- E. Trim, Closure Pieces, Caps, Flashings, Gutters, Downspouts, Rain Water Diverter, Fascias, and Infills: Same material, thickness and finish as exterior sheets; brake formed to required profiles.

2.05 FABRICATION - FRAMING

- A. Fabricate members in accordance with AISC 360 for plate, bar, tube, or rolled structural shapes.

2.06 FINISHES

- A. Framing Members (Structural Steel beams, Girders, and Purlins):
 - 1. Basis-of-Design: Poligon, Poli-5000 powder coat system.
 - a. Color: As selected by Architect from manufacturer's full range of colors.
 - 2. Substitutions: See Section 01 6000 - Product Requirements.
- B. Metal Roof Panels:

1. Basis-of-Design: Kynar 500 Polyvinylidene fluoride (PVDF) coating system.
 - a. Color: As selected by Architect from manufacturer's full range of colors.
2. Substitutions: See Section 01 6000 - Product Requirements.

PART 3 EXECUTION**3.01 EXAMINATION****3.02 ERECTION - FRAMING**

- A. Erect framing in accordance with AISC 360.
- B. Provide for erection and wind loads. Provide temporary bracing to maintain structure plumb and in alignment until completion of erection and installation of permanent bracing. Locate braced bays as indicated.
- C. Set column base plates with non-shrink grout to achieve full plate bearing.
- D. Do not field cut or alter structural members without approval.
- E. After erection, prime welds, abrasions, and surfaces not shop primed.

3.03 ERECTION - WALL AND ROOF PANELS

- A. Install in accordance with manufacturer's instructions.
- B. Exercise care when cutting prefinished material to ensure cuttings do not remain on finish surface.
- C. Fasten cladding system to structural supports, aligned level and plumb.
- D. Locate end laps over supports. End laps minimum 2 inches (50 mm). Place side laps over bearing.
- E. Provide expansion joints where indicated.
- F. Use concealed fasteners.
- G. Install sealant and gaskets, providing weather tight installation.

3.04 TOLERANCES

- A. Framing Members: 1/4 inch (6 mm) from level; 1/8 inch (3 mm) from plumb.
- B. Siding and Roofing: 1/8 inch (3 mm) from true position.

END OF SECTION

GENERAL NOTES

NOTE:

The City of Raymore has adopted a standard document to be used for utility and street construction within the City. Each contractor bidding on this project is required to purchase a copy of this standard document titled "Standard Contract Documents and Technical Specifications for Utility and Street Construction" dated September 2019. This standard document includes the contract document and technical specifications which are the basis for this project.

GENERAL NOTES:

1. All construction shall conform to the standard construction and materials specifications of the current City of Raymore specifications. If no specification is listed, use KANSAS CITY METROPOLITAN CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION specification.
2. Contractor shall notify the City Engineer's office 24 hours before beginning construction.
3. No changes to the approved construction plans will be permitted without prior approval of the design engineer and the city engineer.
4. All trees, stumps, brush and other foreign material shall be removed from within the grading limits of the project and stockpiles at the discretion of the owner.
5. Burning may be permitted only upon prior approval from the owner and local government officials having jurisdiction in that area. Contractor shall obtain all required permits and shall comply with all local burning ordinances.
6. Fill material not used shall remain on site and shall be stockpiled for future use by the owner, at the discretion of the owner.
7. Before placement of stockpiled material, the existing surface shall be undercut a minimum of 6" to remove all vegetation.
8. Stockpiled material shall be free of all brush, tree limbs or roots, and other foreign material.
9. Damages resulting from demolition and construction are the responsibility of the contractor. The contractor will be responsible for payment of all damages.
10. It is the responsibility of the contractor to control excessive downstream erosion and siltation during all phases of construction. The contractor shall adhere to the provisions of the Stormwater Pollution Prevention Plan (SWPPP). The contractor shall be responsible for keeping all inspection, installation, and repair records and have such records available on-site.
11. All fill areas shall be undercut a minimum of 6" to remove vegetation and ensure good bonding with fill material. Any saturated soil or unsuitable material in place shall be over excavated and suitable material placed and compacted to 95% standard proctor density.
12. Contractor is to remove only those trees and shrubs which directly interfere with the proposed improvements. The contractor shall use extreme care to protect all other trees and shrubs from damage.
13. In places where sidewalks cross curbs, a wheelchair ramp shall be constructed.
14. These plans are valid for a period of one year from the date of approval by the City Engineer.
15. The contractor is responsible for providing all testing as required by the City of Raymore.
16. A limited number of borings were taken for the project. The geotechnical report can be available upon request to the City Engineer.

QUANTITIES:

BASE BID			
	ITEM	UNIT	QTY.
1	MOBILIZATION	L.S.	1
2	CONSTRUCTION STAKING	L.S.	1
3	CLEARING, GRUBBING, AND DEMOLITION	L.S.	1
4	UNCLASSIFIED EXCAVATION	C.Y.	324
5	EMBANKMENT	C.Y.	1,496
6	2" ASPHALTIC CONCRETE SURFACE	S.Y.	4,809
7	4" ASPHALT BASE	S.Y.	2,916
8	6" ASPHALT BASE	S.Y.	1,893
9	6" AGGREGATE BASE	S.Y.	2,117
10	ADA RAMP	EA.	2
11	6" CONCRETE (PORTABLE RESTROOM & GRASS PARKING ACCESSES)	S.Y.	81
12	2' DRY CURB AND GUTTER	L.F.	856
13	6" RIBBON CURB	L.F.	98
14	PORTABLE RESTROOM ENCLOSURE	EA.	1
15	12" CONCRETE STORM PIPE	L.F.	74
16	12" RCP END SECTION	EA.	2
17	ELECTRICAL SERVICE	L.F.	328
18	SAFETY LIGHT AND POLE	EA.	1
19	2" WATER SERVICE LINE	L.F.	279
20	8" x 2" REDUCER	EA.	1
21	1.5" WATER METER	EA.	1
22	2" BACKFLOW PREVENTER VALVE	EA.	1
23	2" x 2" TEE	EA.	1
24	2" 90 DEGREE BEND	EA.	1
25	2" PLUG	EA.	1
26	WATER SPIGOT	EA.	1
27	PERMANENT SIGNING AND PAVEMENT MARKING	L.S.	1
28	EROSION CONTROL, SODDING AND SEEDING	L.S.	1
29	TRAFFIC CONTROL	L.S.	1

ADD ALTERNATIVE NO 1 - CONNECTOR ROAD			
	ITEM	UNIT	QTY.
1	CLEARING, GRUBBING & DEMOLITION	L.S.	1
2	UNCLASSIFIED EXCAVATION	C.Y.	1,044
3	EMBANKMENT	C.Y.	1,965
4	2" ASPHALTIC CONCRETE SURFACE	S.Y.	1,788
5	6" ASPHALT BASE	S.Y.	1,788
6	6" AGGREGATE BASE	S.Y.	2,031
7	2' DRY CURB AND GUTTER	L.F.	1,094
8	6" RIBBON CURB	L.F.	1,002
9	ADA RAMP	EA.	1
10	PERMANENT SIGNING AND PAVEMENT MARKING	L.S.	1
11	EROSION CONTROL, SODDING AND SEEDING	L.S.	1
12	TRAFFIC CONTROL	L.S.	1

ADD ALTERNATIVE NO 2 - CONCRETE TRAIL			
	ITEM	UNIT	QTY.
1	4" CONCRETE SIDEWALK	S.Y.	1,185
2	4" CONCRETE SIDEWALK AROUND FIELDS	S.Y.	1,775
3	2" ASPHALT CONCRETE SURFACE	S.Y.	-2,960
4	4" ASPHALT BASE	S.Y.	-2,960



Sheet Revisions		
Date:	Comments	Init.
1/20/2022	UPDATED QUANTITIES FOR THE PORTA POTTY STRUCTURE	
3/14/2022	UPDATED QUANTITIES FOR ASPHALT AND CONCRETE	



**CITY OF RAYMORE
RAYMORE MISSOURI**

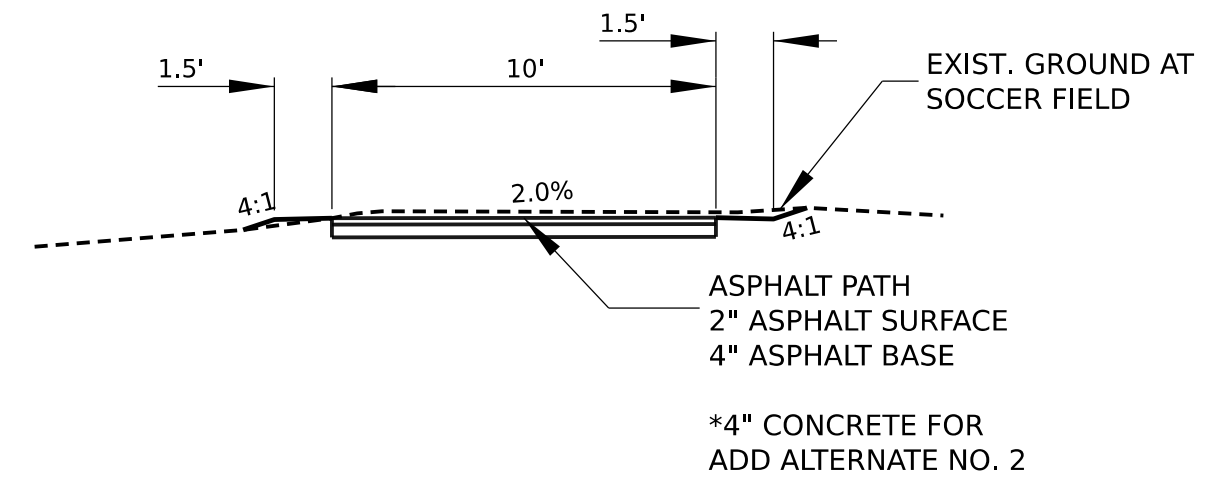
HAWK RIDGE PARK WEST

RAYMORE, MISSOURI

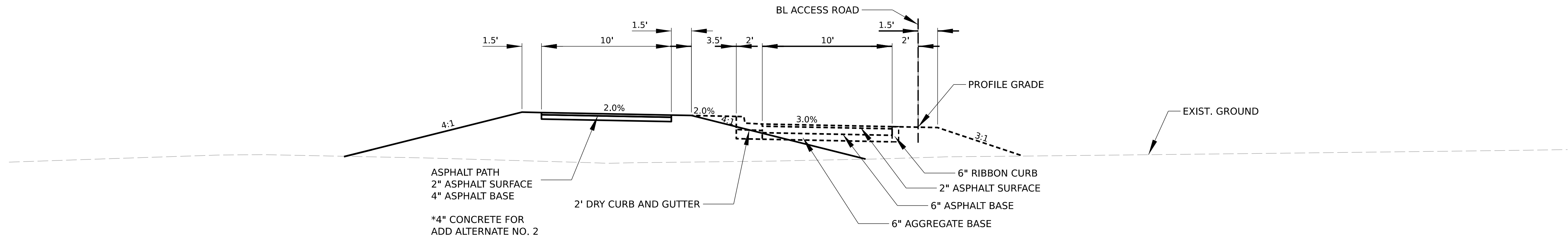
GENERAL NOTES

211082

Sheet Number 02 of 18

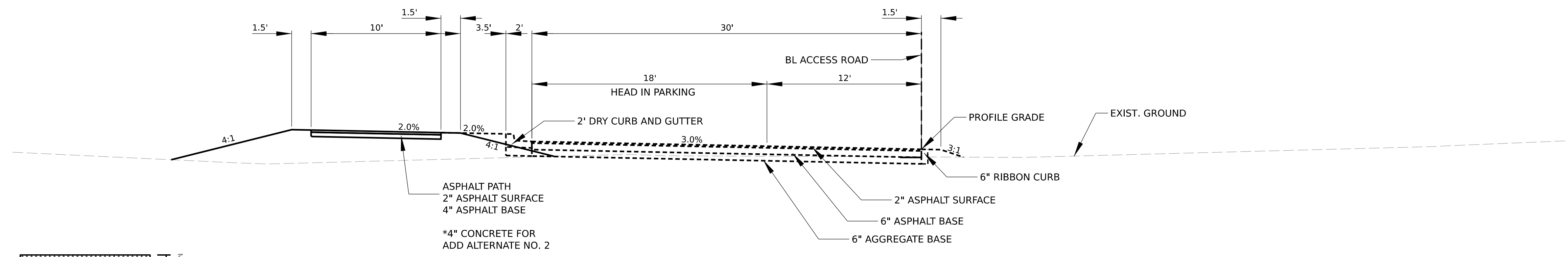


TYPICAL SECTION - SIDEWALK AROUND SOCCER FIELDS



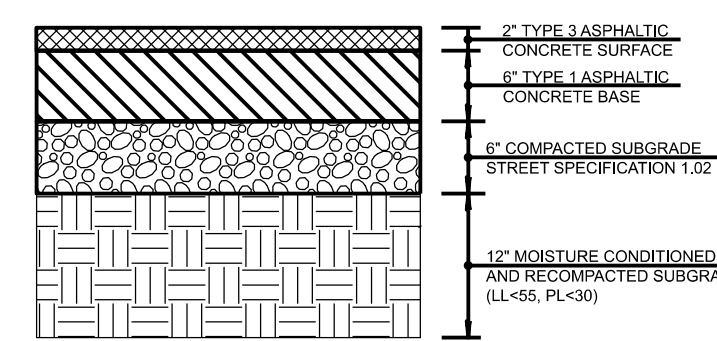
TYPICAL SECTION - ACCESS ROAD
 STA 10+39.33 TO STA 13+14.60
 STA 14+71.29 TO 19+58.44
 STA 20+78.48 TO 21+22.40

*ADD ALTERNATE NO. 1 SHOWN IN DASHED LINES

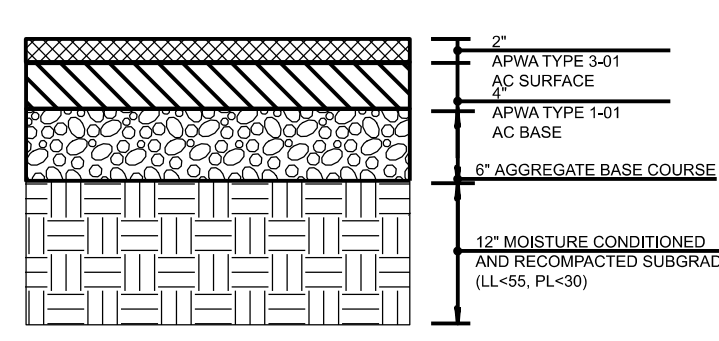


TYPICAL SECTION WITH PARKING - ACCESS ROAD
 STA 13+14.60 TO STA 14+71.29
 STA 19+58.44 TO STA 20+78.48

*ADD ALTERNATE NO. 1 SHOWN IN DASHED LINES

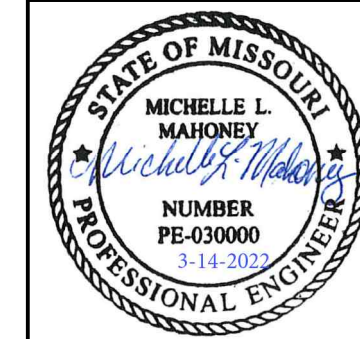


ASPHALT PAVEMENT SECTION
 ACCESS ROAD AND PARKING LOT
 NOT TO SCALE



ASPHALT PAVEMENT SECTION
 TRAIL
 NOT TO SCALE

PAVEMENT DESIGN TO BE DETERMINED
 AFTER GEOTECH ANALYSIS



Sheet Revisions		
Date:	Comments	Init.

CFS ENGINEERS
 cfse.com
 1421 E. 104th Street, Ste. 100 KCMO 64131
 o: 816-333-4477 f: 816-333-6688

**CITY OF RAYMORE
 RAYMORE MISSOURI**
 HAWK RIDGE PARK WEST
 RAYMORE, MISSOURI

TYPICAL SECTIONS
 211082
 Sheet Number 03 of 18

SEC. LINE AND PROPERTY LINE

SOCCER FIELDS

10' WIDE ASPHALT TRAIL
ADD ALTERNATE NO. 2
SHALL USE 4" CONCRETE

GRASS PARKING AREA

GRASS PARKING EXIT

GRASS PARKING ENTRANCE

BASELINE ACCESS ROAD
ADD ALTERNATE NO. 1

PARKING AREA

10' WIDE ASPHALT TRAIL
ADD ALTERNATE NO. 2
SHALL USE 4" CONCRETE

10' WIDE ASPHALT TRAIL
ADD ALTERNATE NO. 2
SHALL USE 4" CONCRETE

CONTROL POINT #1
STA. 20+85.74, 4.57' LT
N 986430.662
E 2797147.121
EL 1049.18

PROPERTY LINE

NOTE: ADD ALTERNATE NO. 1
CONTRACTOR SHALL CONSTRUCT
ACCESS ROAD TYPICAL SECTION
FROM STA. 11+24.45 TO 21+22.40

JOHNSTON PKWY

LAURUS DRIVE



60' 0 60' 120'
SCALE: 1" = 60' FEET

Sheet Revisions

Date:	Comments	Init.
1/20/2022	UPDATED LAYOUT FOR THE PORTA POTTY STRUCTURE	



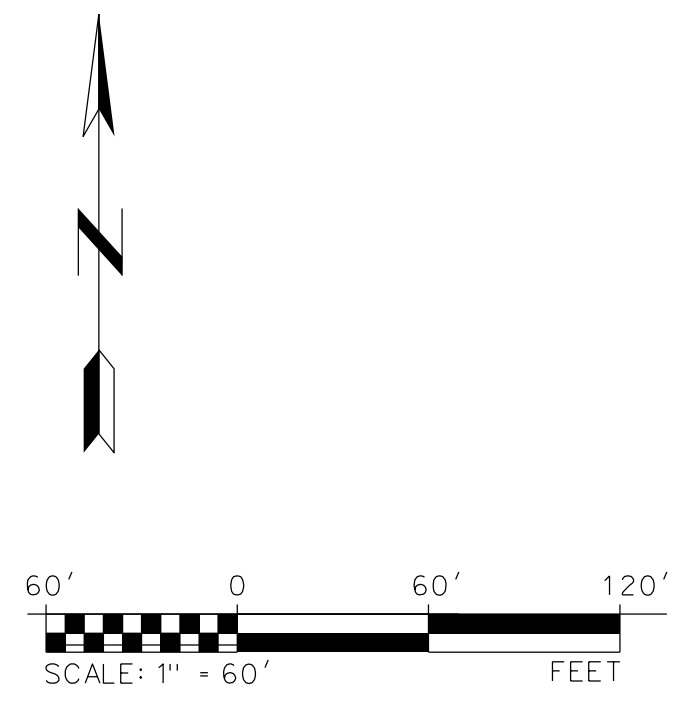
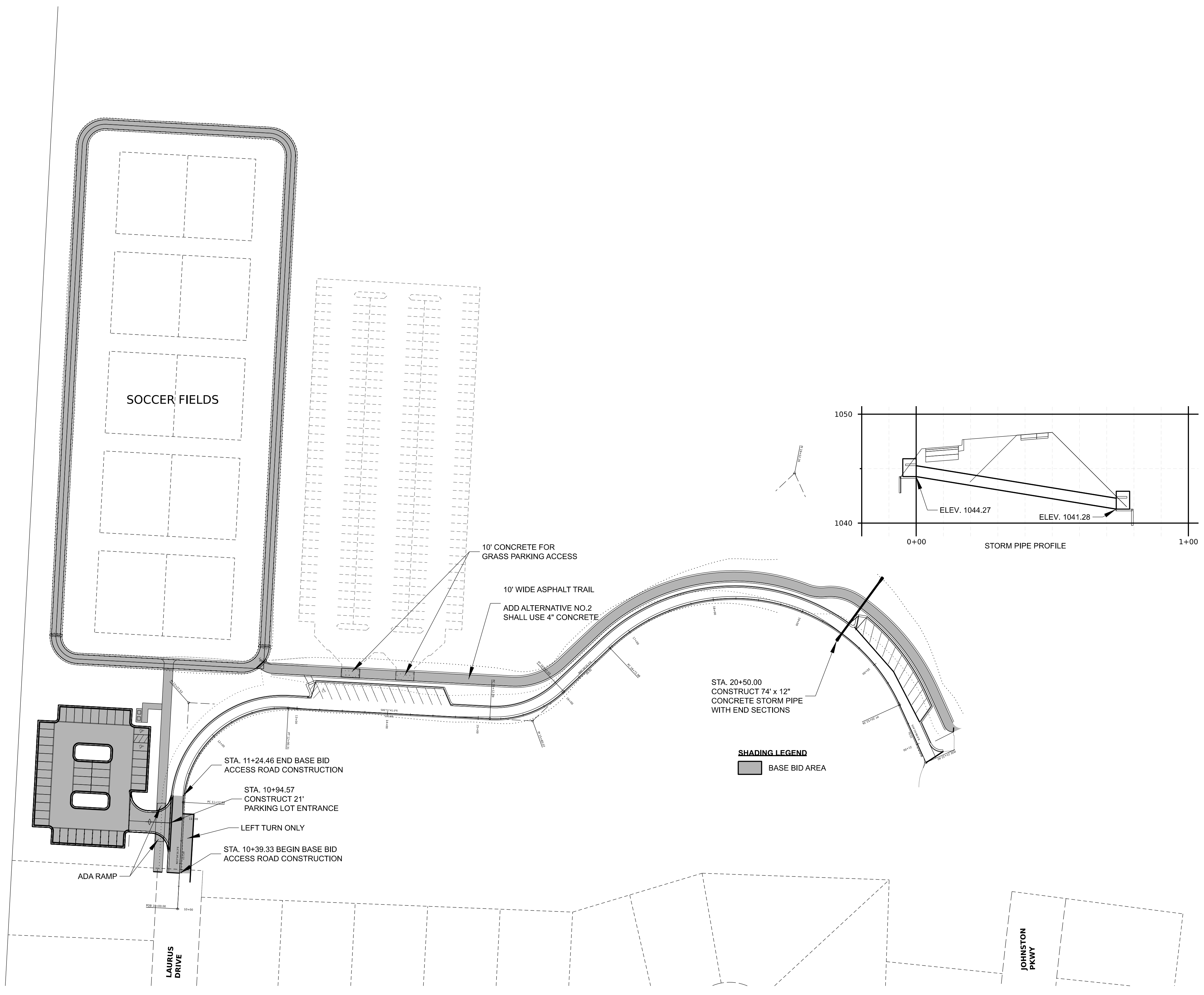
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RAYMORE MISSOURI**
HAWK RIDGE PARK WEST
RAYMORE, MISSOURI

SITE LAYOUT

211082

Sheet Number 04 of 18



Sheet Revisions		
Date:	Comments	Init.
1/20/2022	UPDATED LAYOUT FOR THE PORTA POTTY STRUCTURE	
3/14/2022	UPDATED QUANTITIES FOR CONCRETE STORM PIPE	

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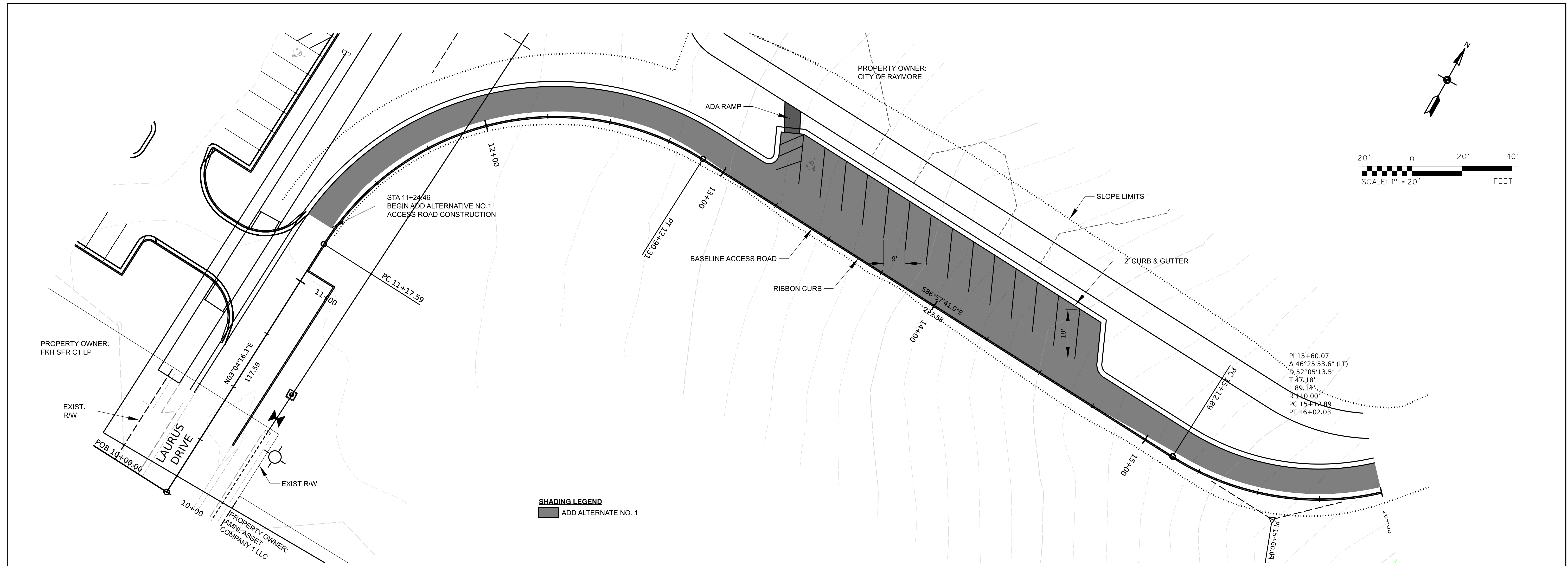
**CITY OF RAYMORE
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HAWK RIDGE PARK WEST
RAYMORE, MISSOURI

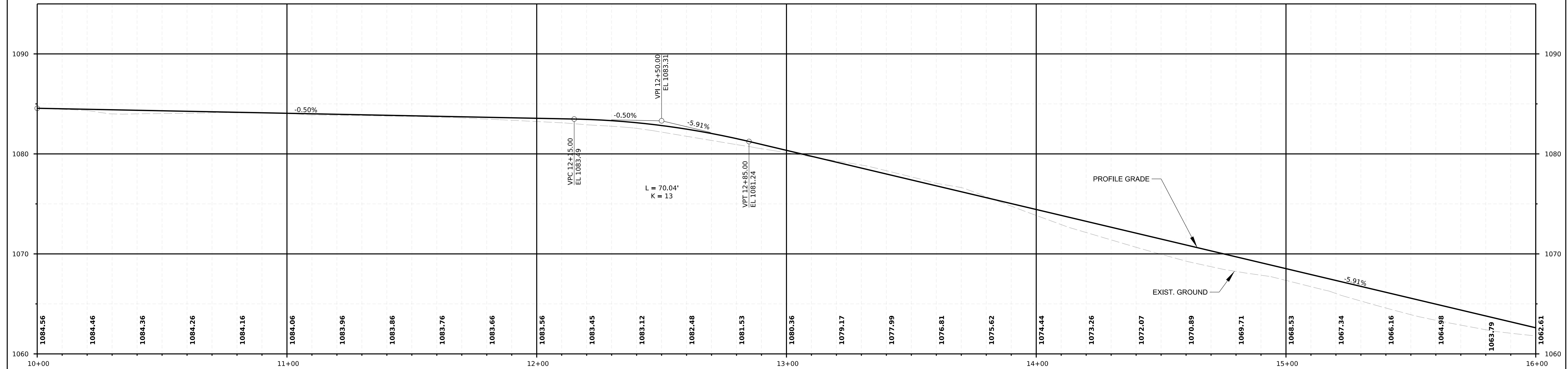
**SITE LAYOUT
BASE BID**

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SHADING LEGEND
 ■ ADD ALTERNATE NO. 1



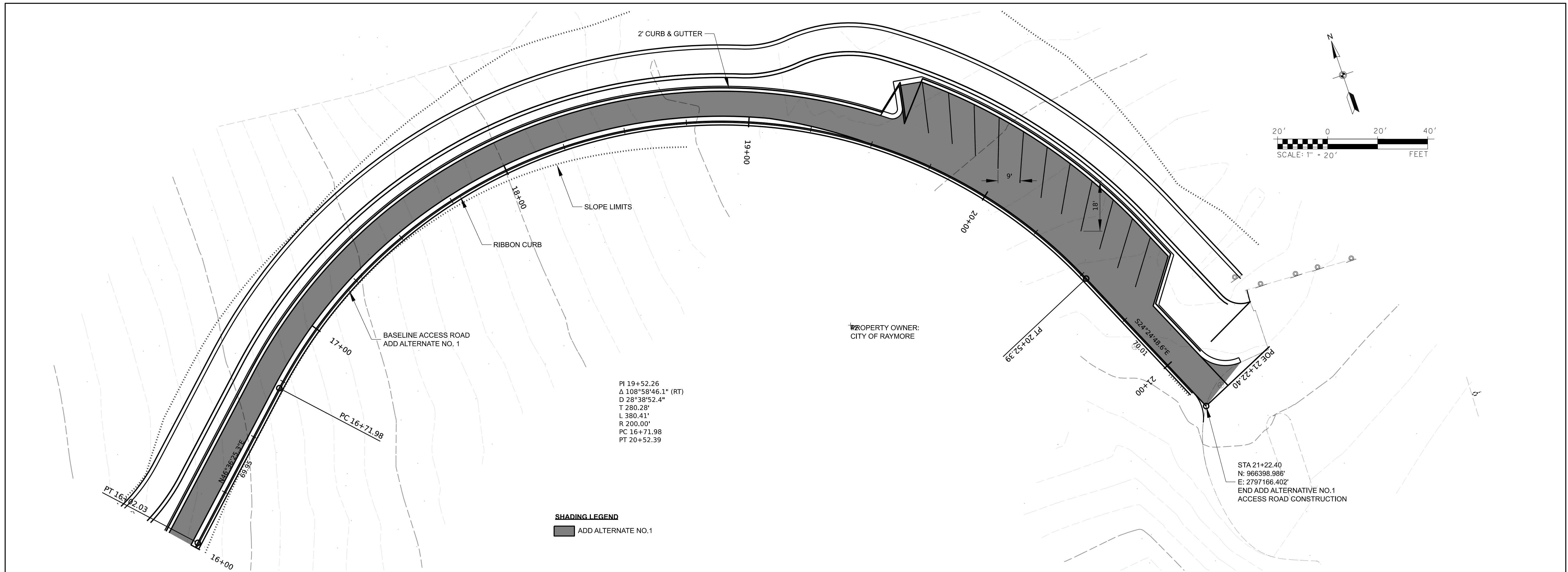
Sheet Revisions		
Date:	Comments	Init.

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 HAWK RIDGE PARK WEST
 RAYMORE, MISSOURI

**PLAN AND PROFILE
 ADD ALTERNATIVE #1**
 211082
 Sheet Number 06 of 18

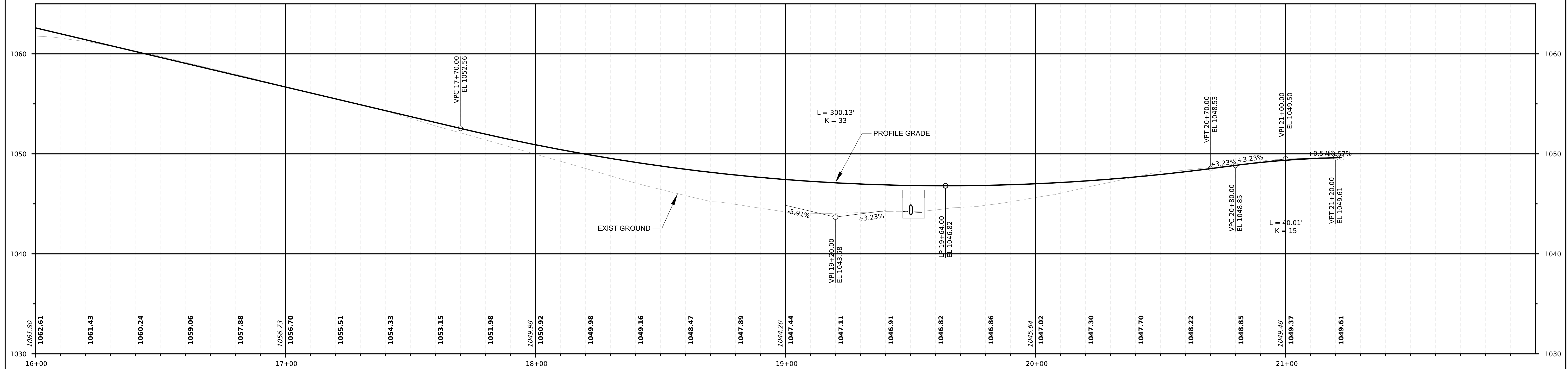




PI 19+52.26
 Δ 108°58'46.1" (RT)
 D 28°38'52.4"
 T 280.28'
 L 380.41'
 R 200.00'
 PC 16+71.98
 PT 20+52.39

SHADING LEGEND
 ■ ADD ALTERNATE NO. 1

STA 21+22.40
 N: 966398.986'
 E: 2797166.402'
 END ADD ALTERNATIVE NO.1
 ACCESS ROAD CONSTRUCTION



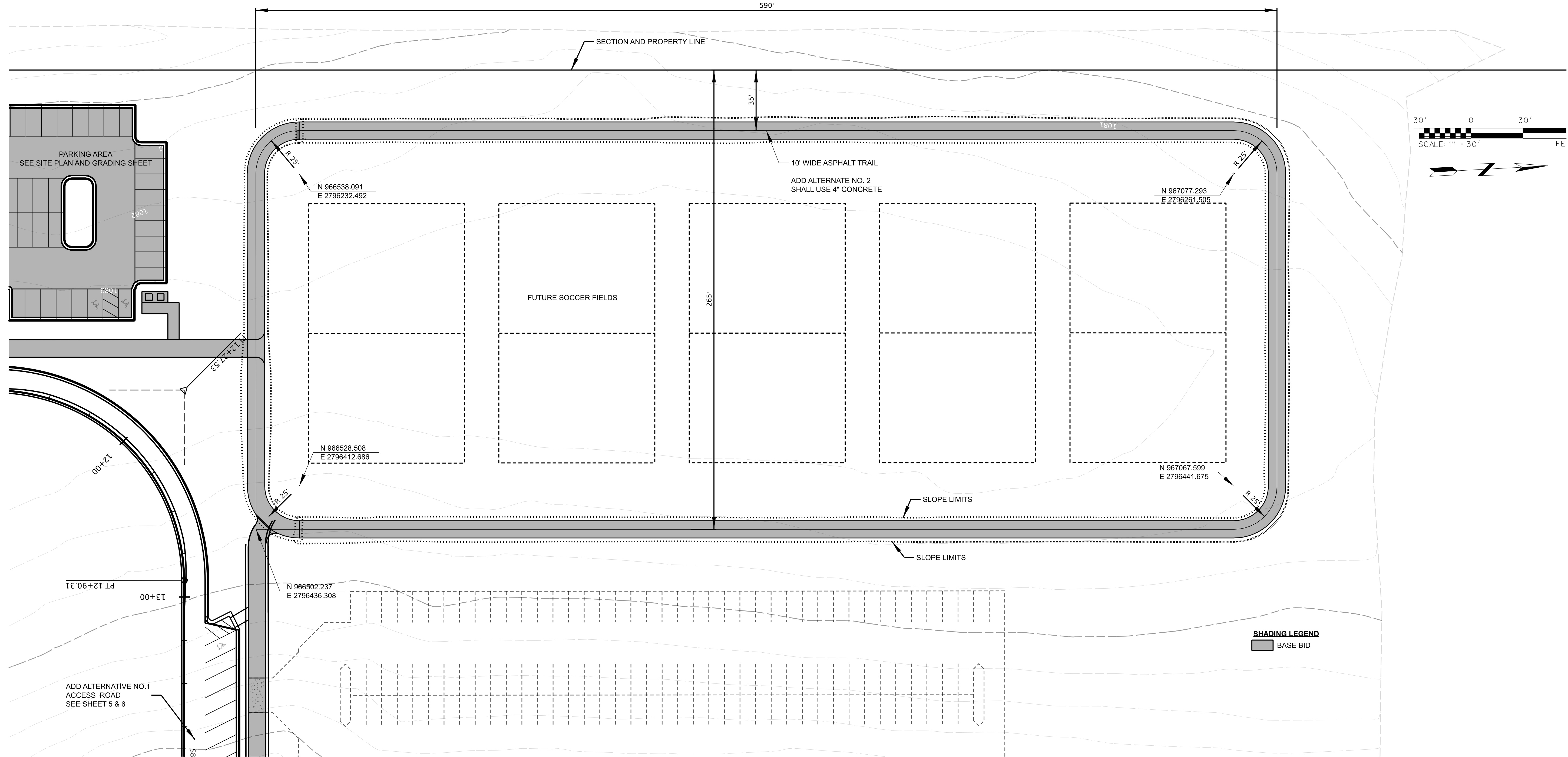
Sheet Revisions		
Date:	Comments	Init.

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**HAWK RIDGE PARK WEST
 RAYMORE, MISSOURI**

**PLAN AND PROFILE
 ADD ALTERNATIVE #1**

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Sheet Number 07 of 18



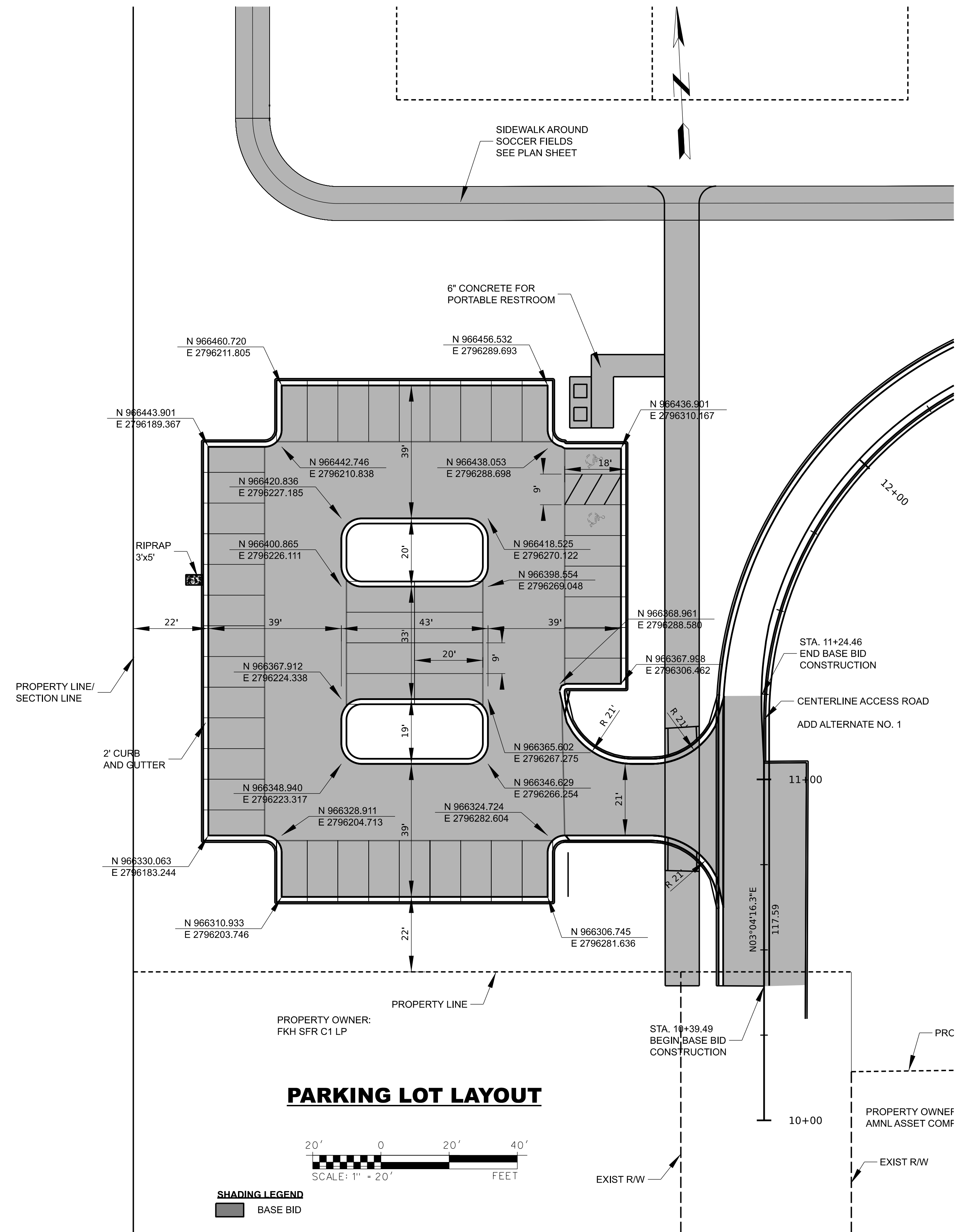
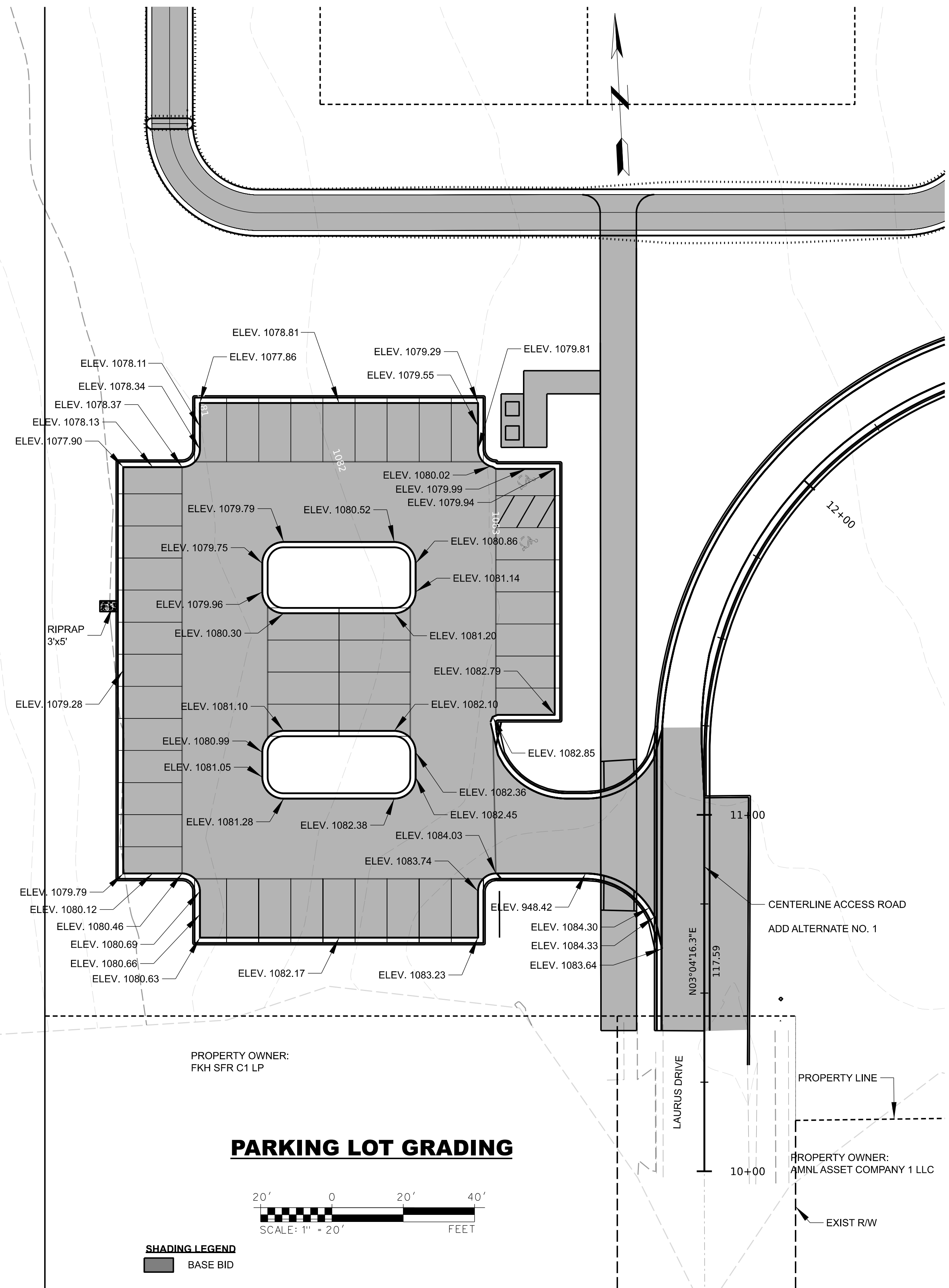
Sheet Revisions		
Date:	Comments	Init.
1/20/2022	UPDATED LAYOUT FOR THE PORTA POTTY STRUCTURE	

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 RAYMORE, MISSOURI

**SIDEWALK PLAN
 AND GRADING**

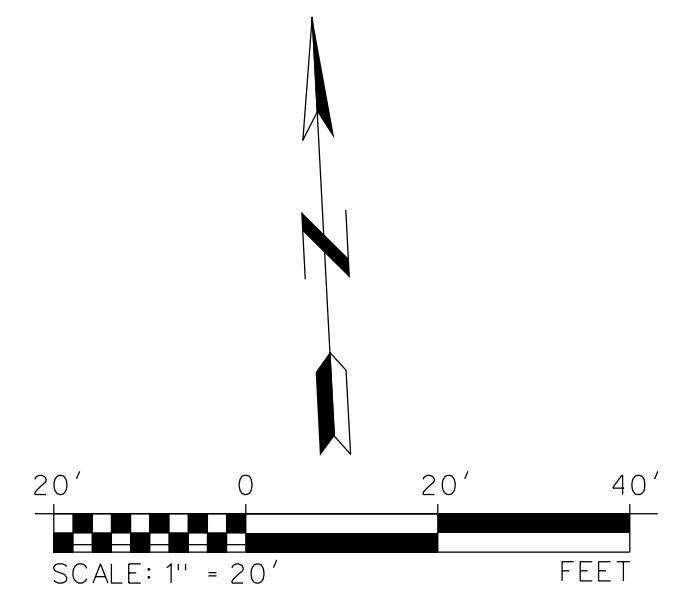
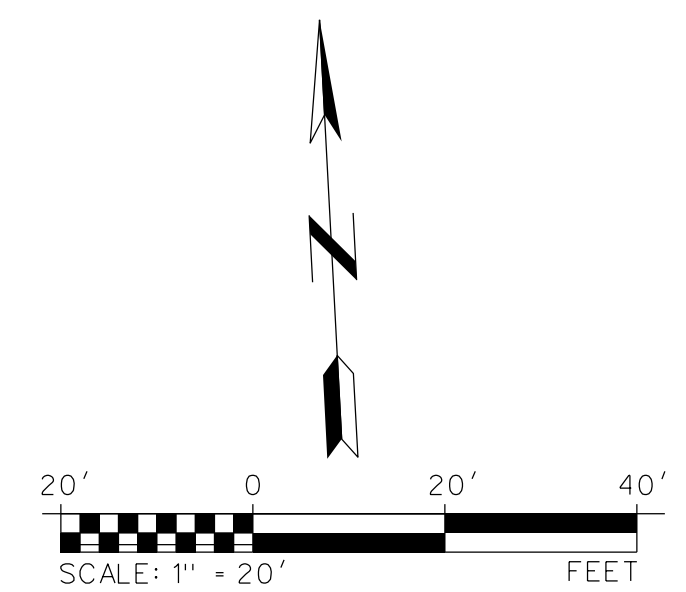
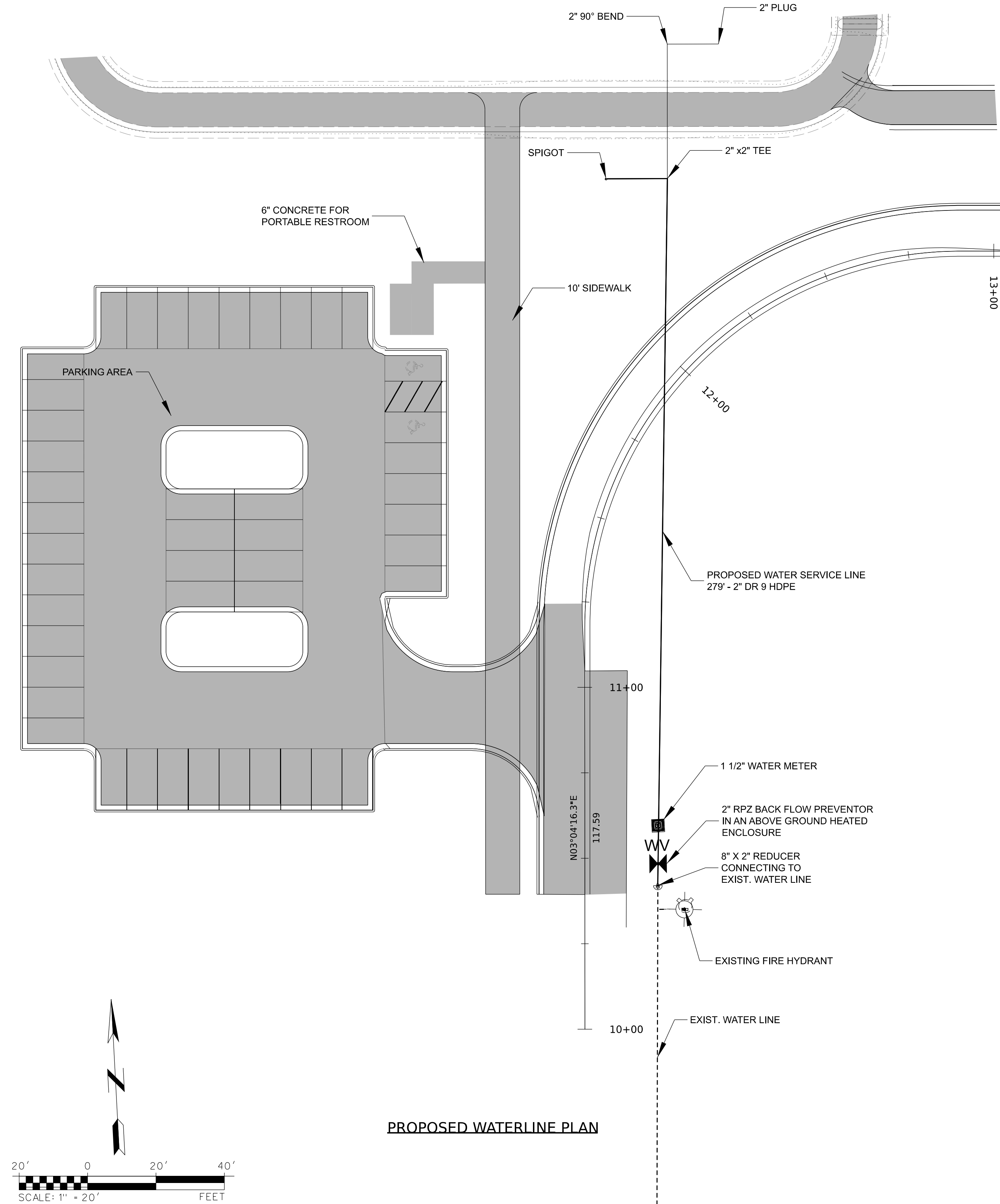
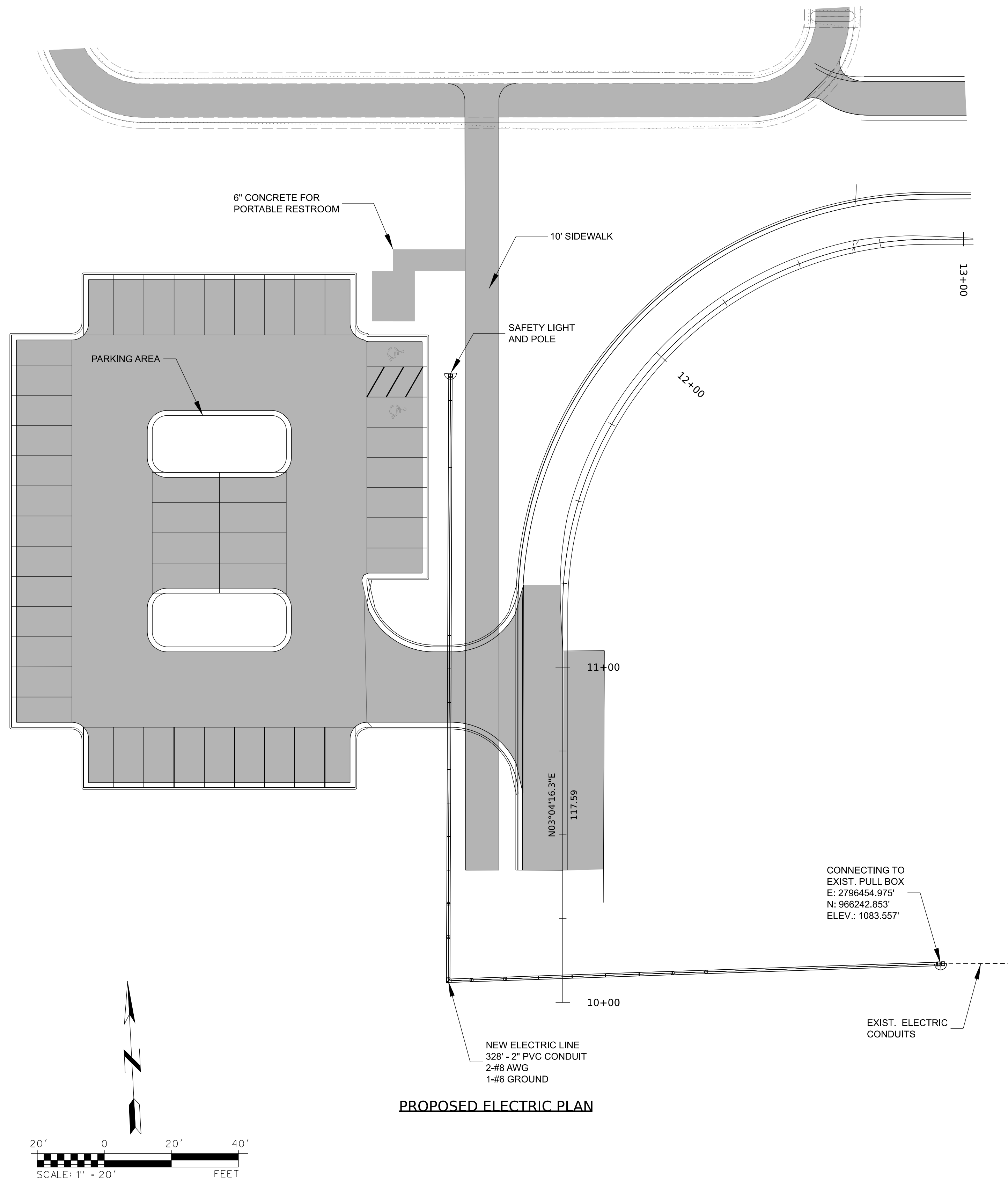
211082
 Sheet Number 08 of 18



Sheet Revisions		
Date:	Comments	Init.
1/20/2022	UPDATED LAYOUT FOR THE PORTA POTTY STRUCTURE	
3/14/2022	UPDATED ROAD CURB BACK FOR PARKING LOT	



CITY OF RAYMORE RAYMORE MISSOURI	PARKING LOT LAYOUT PLAN	211082
HAWK RIDGE PARK WEST RAYMORE, MISSOURI		Sheet Number 09 of 18



PROPOSED ELECTRIC PLAN

PROPOSED WATERLINE PLAN

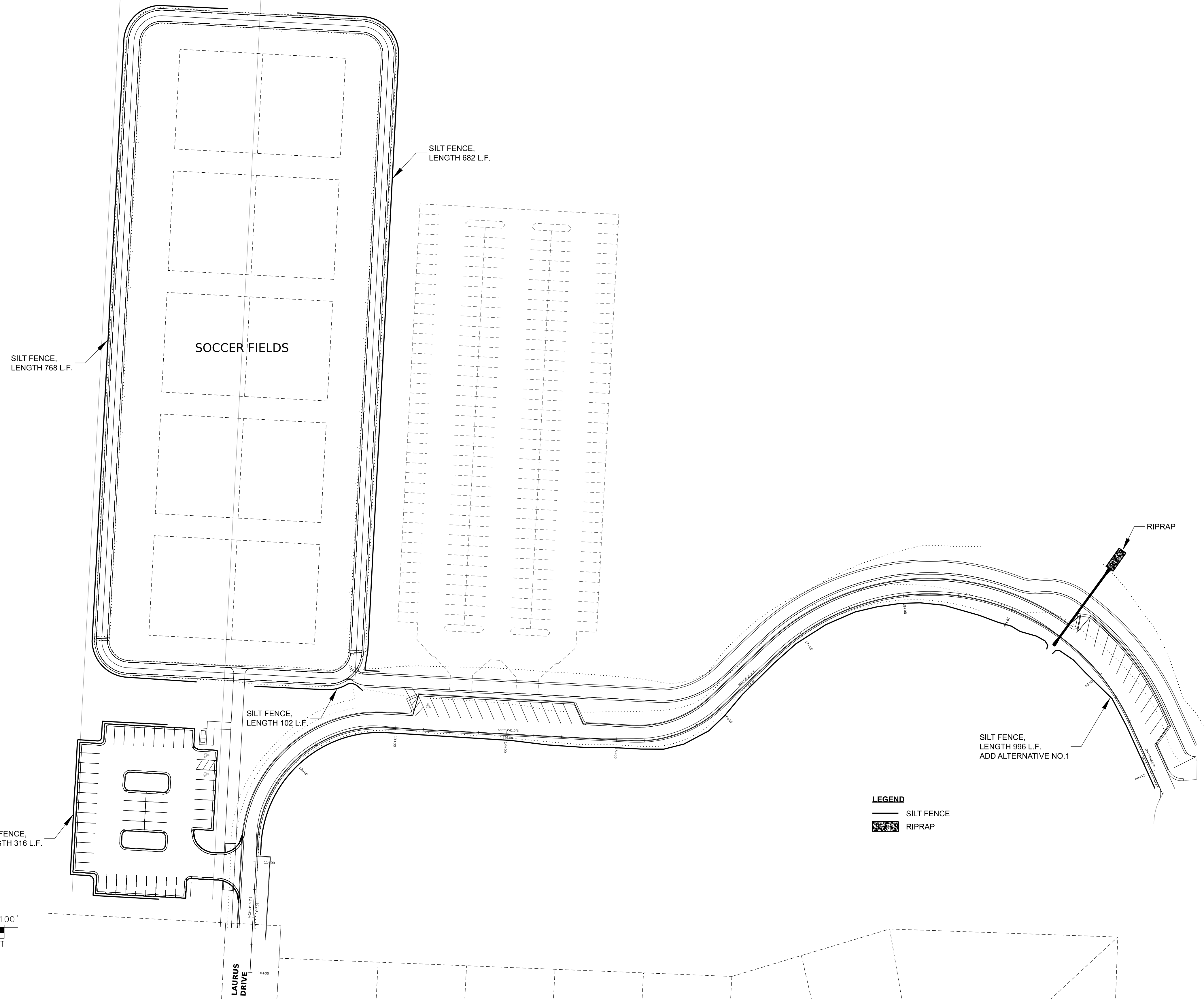


Sheet Revisions		
Date:	Comments	Init.
1/20/2022	UPDATED LAYOUT FOR THE PORTA POTTY STRUCTURE	
3/14/2022	UPDATED AND SHOWED THE CONNECTIONS OF EXIST. AND PROP. UTILITIES	

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 HAWK RIDGE PARK WEST
 RAYMORE, MISSOURI

UTILITY PLANS
 211082
 Sheet Number 10 of 18



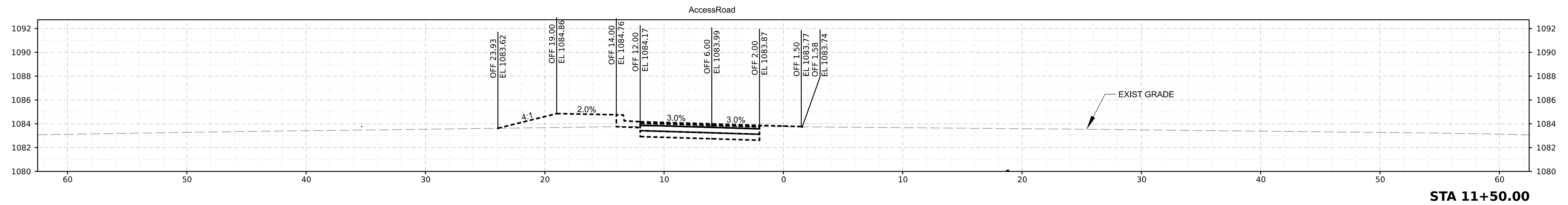
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Date:	Comments	Init.
1/20/2022	UPDATED LAYOUT FOR THE PORTA POTTY STRUCTURE	

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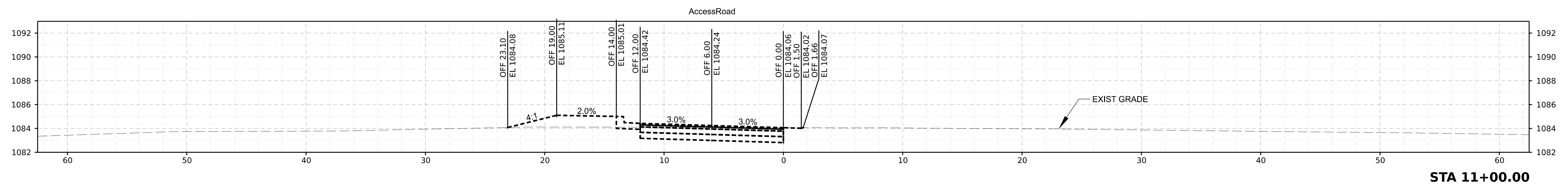
**CITY OF RAYMORE
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 HAWK RIDGE PARK WEST
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EROSION CONTROL

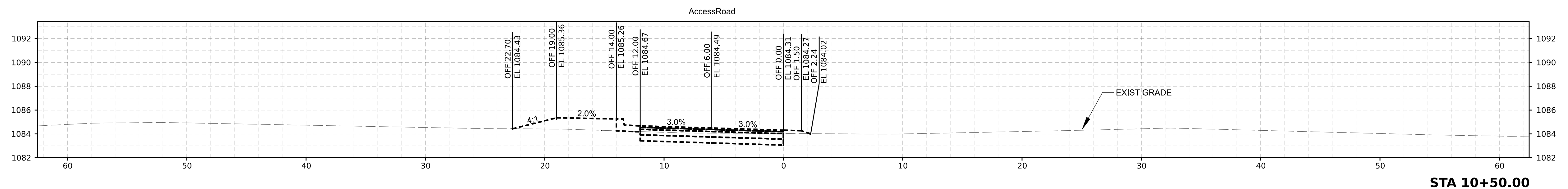
211082
 Sheet Number 11 of 18



STA 11+50.00

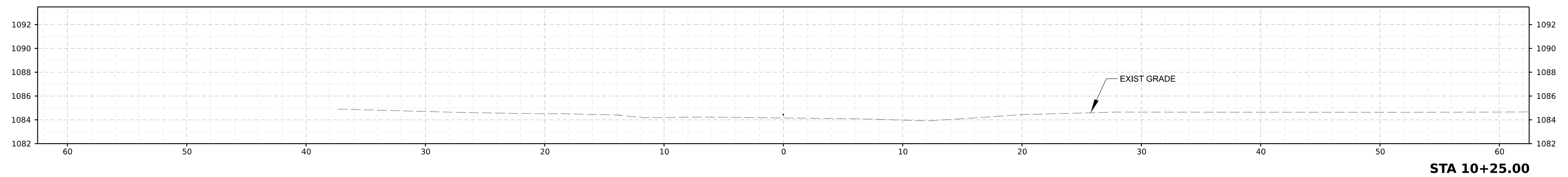


STA 11+00.00



STA 10+50.00

----- ADD ALTERNATIVE NO.1



STA 10+25.00



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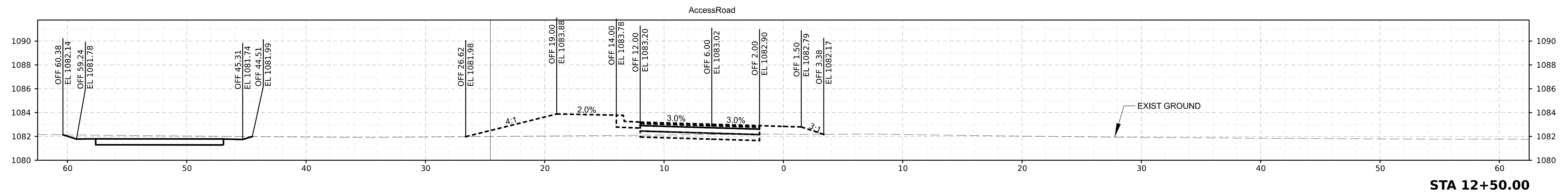
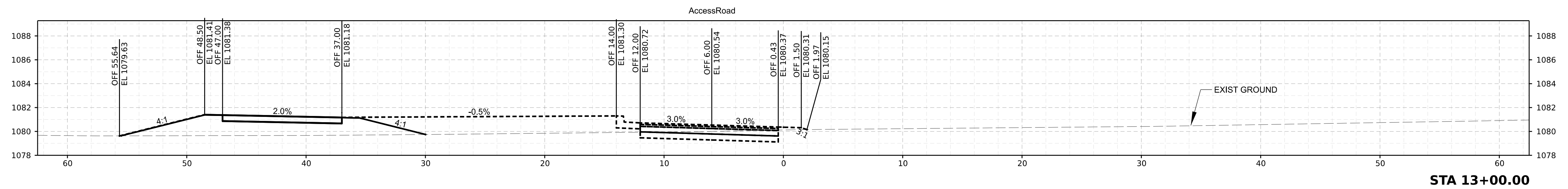
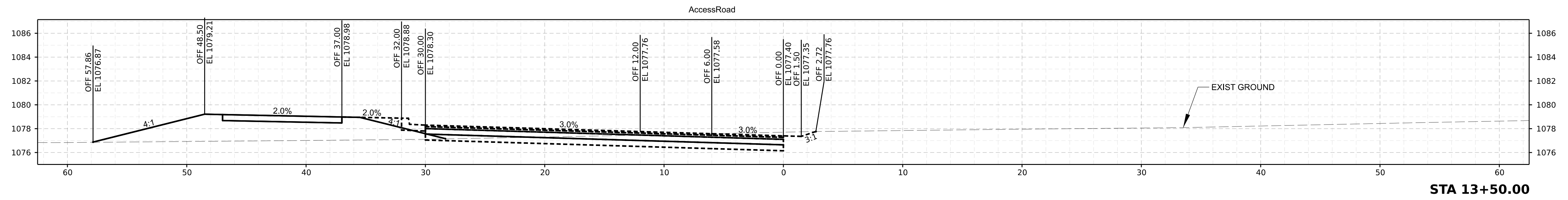
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**HAWK RIDGE PARK WEST
RAYMORE, MISSOURI**

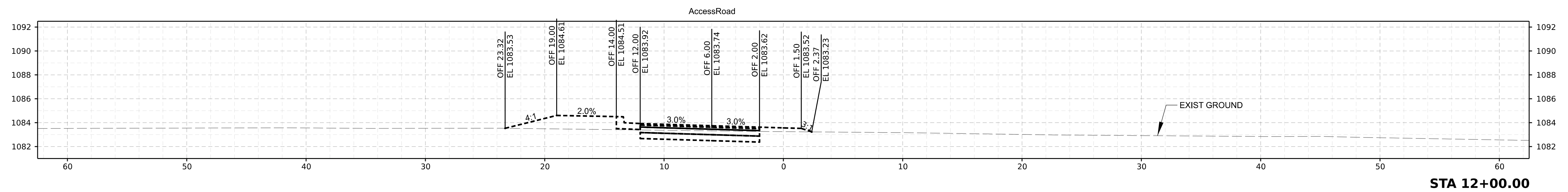
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----- ADD ALTERNATIVE NO.1



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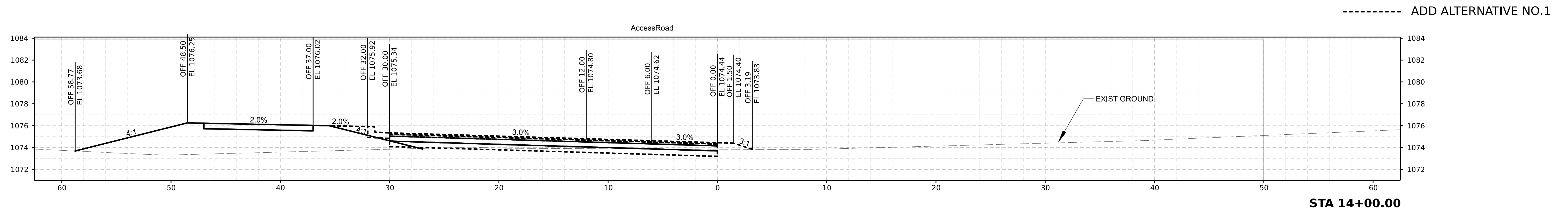
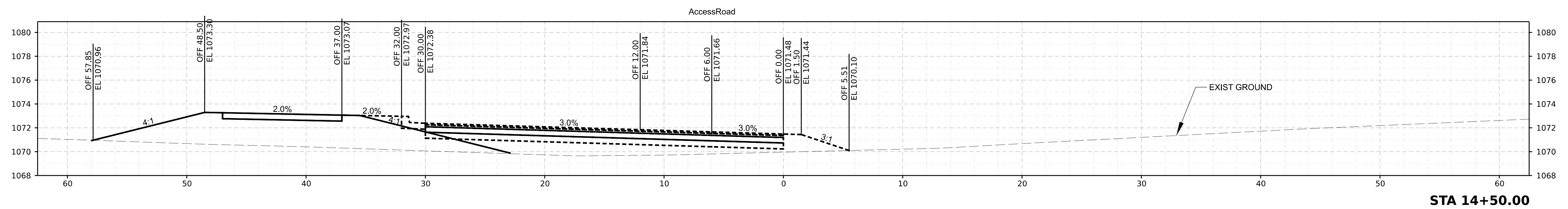
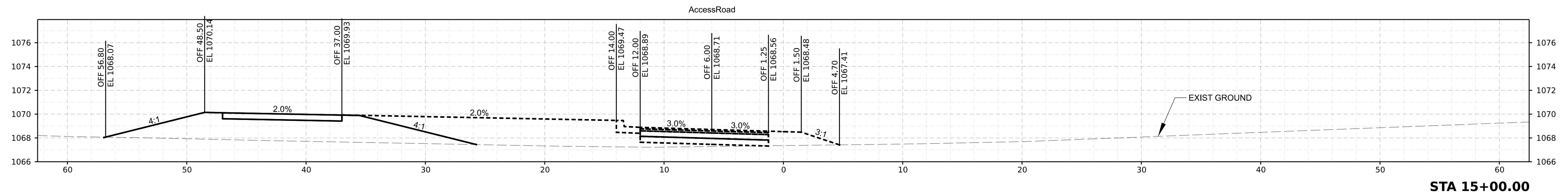
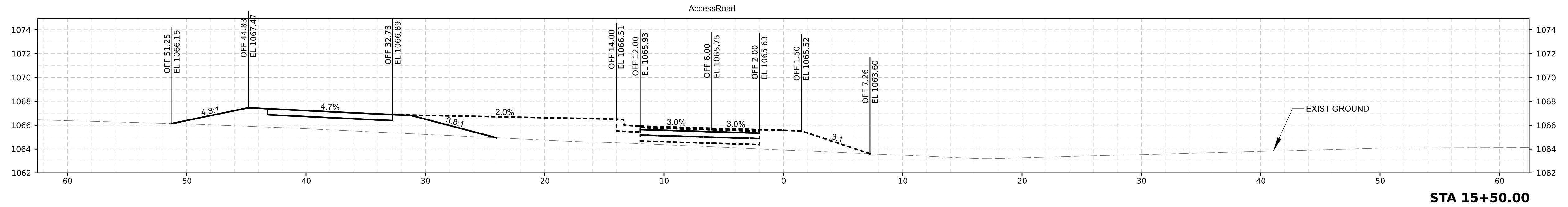
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**HAWK RIDGE PARK WEST
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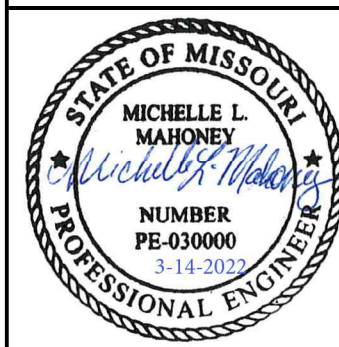
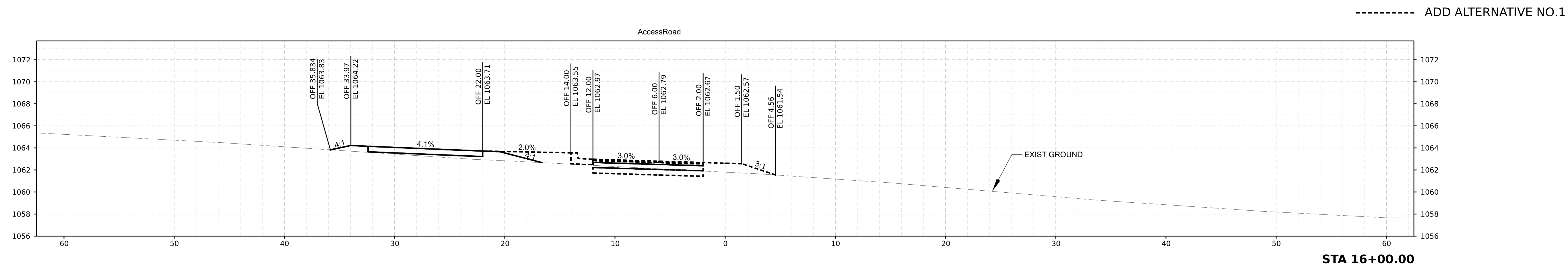
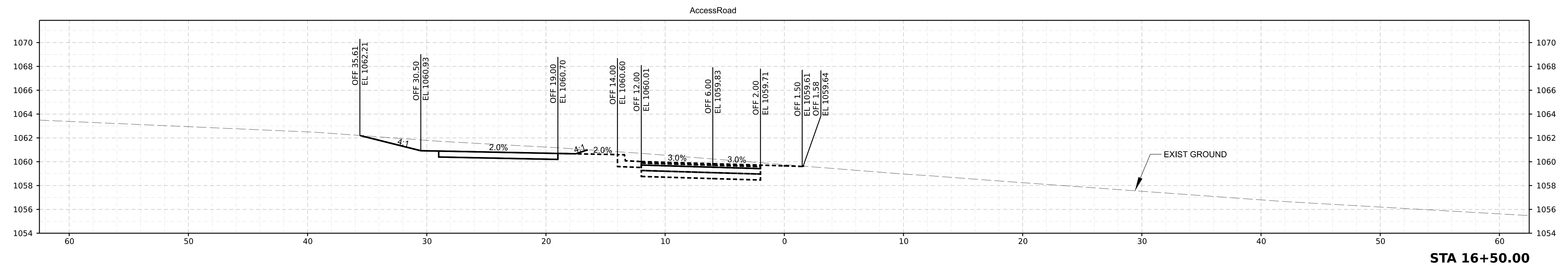
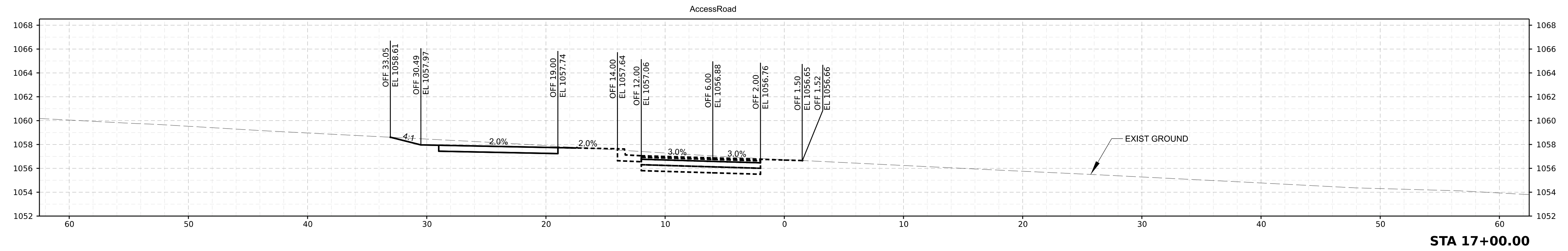
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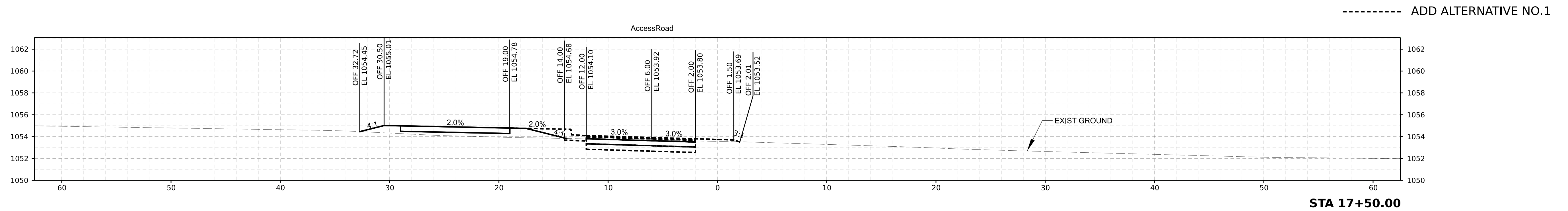
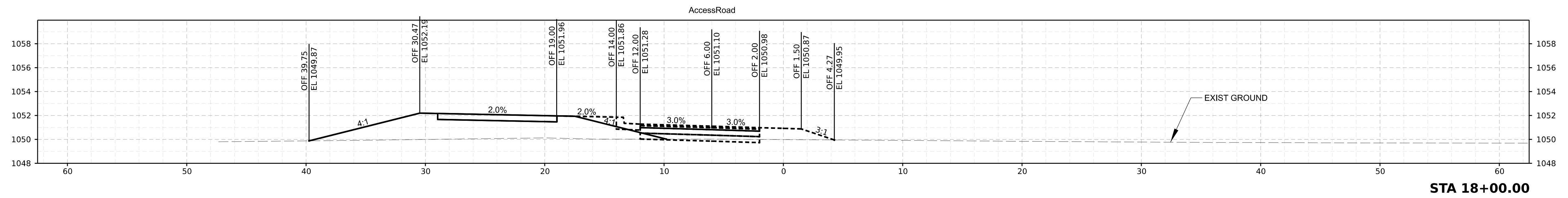
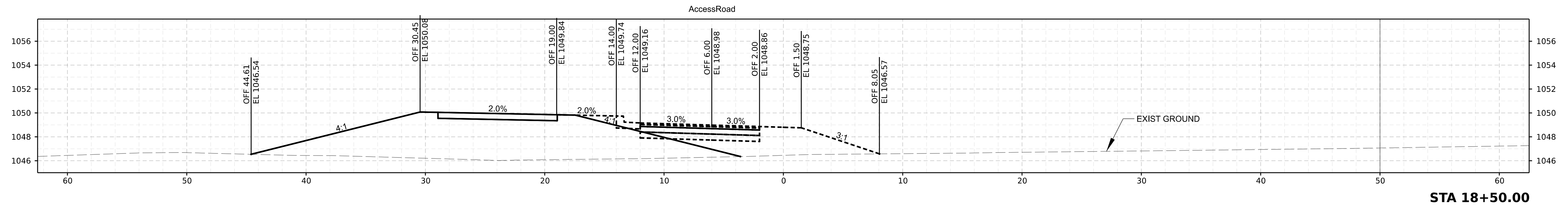
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**HAWK RIDGE PARK WEST
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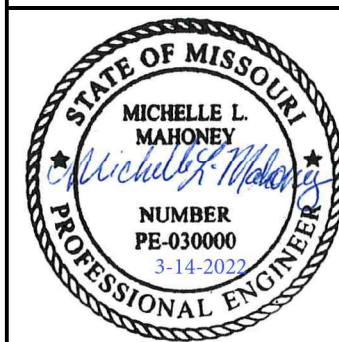
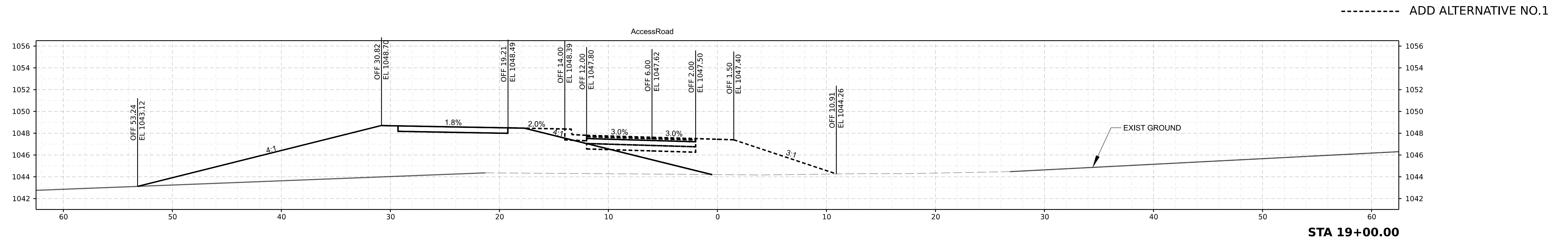
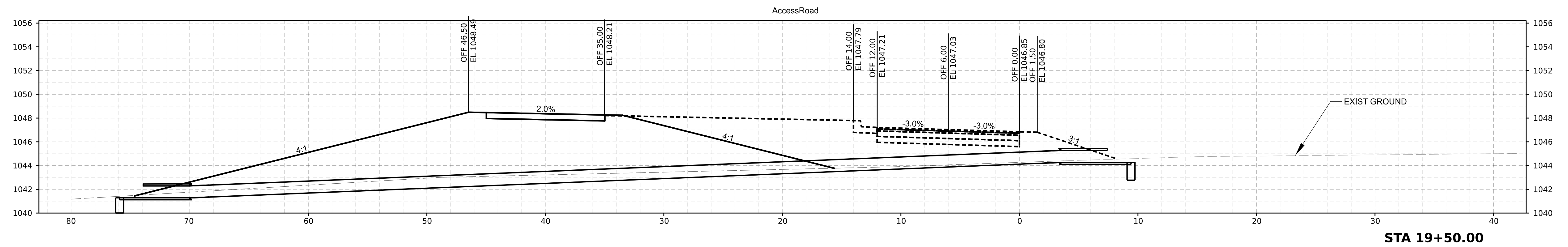
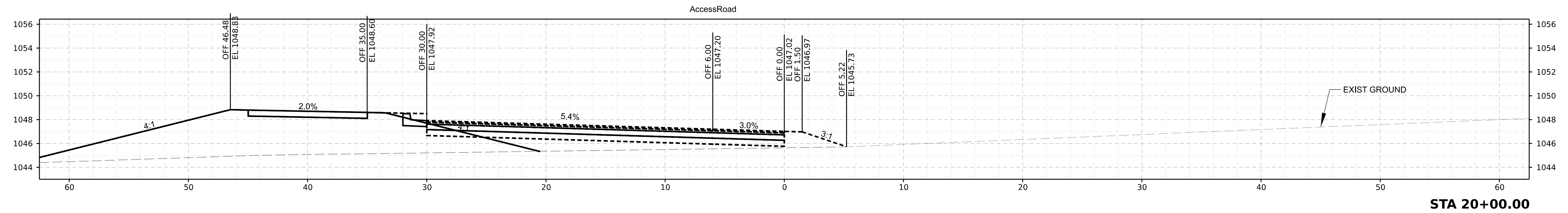
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**HAWK RIDGE PARK WEST
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Date:	Comments	Init.



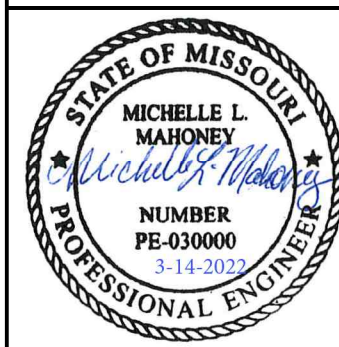
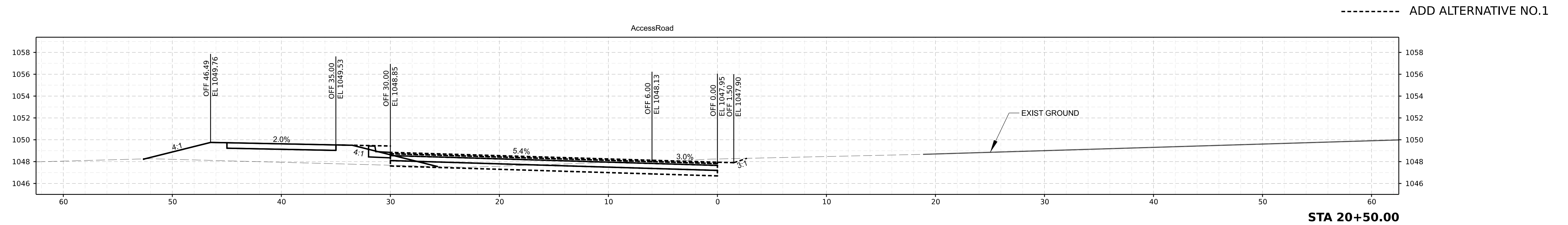
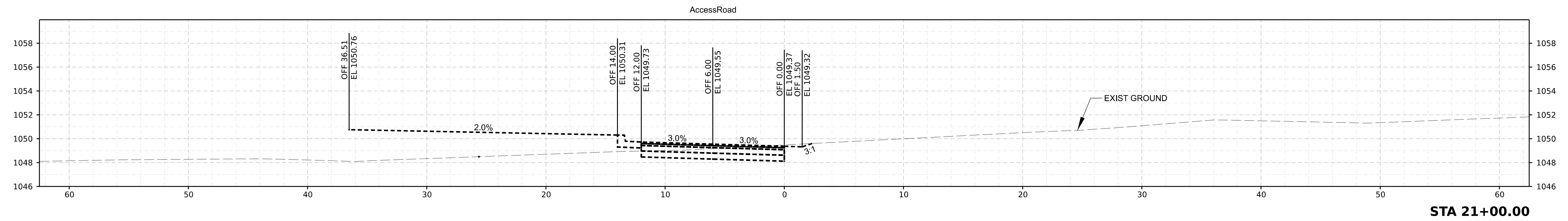
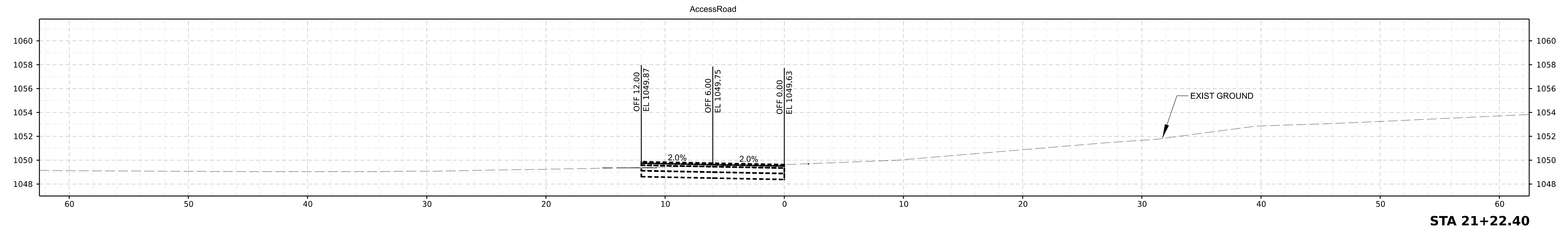
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**HAWK RIDGE PARK WEST
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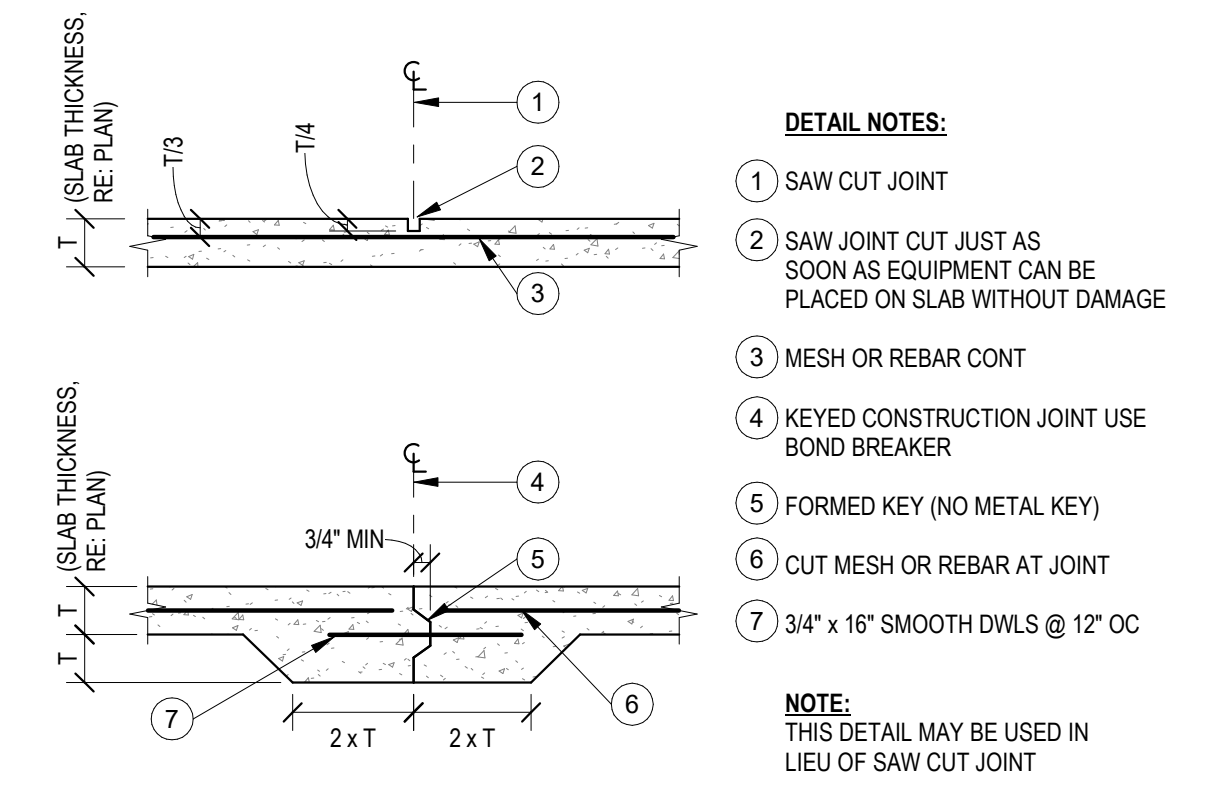
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Sheet Number 18 of 18

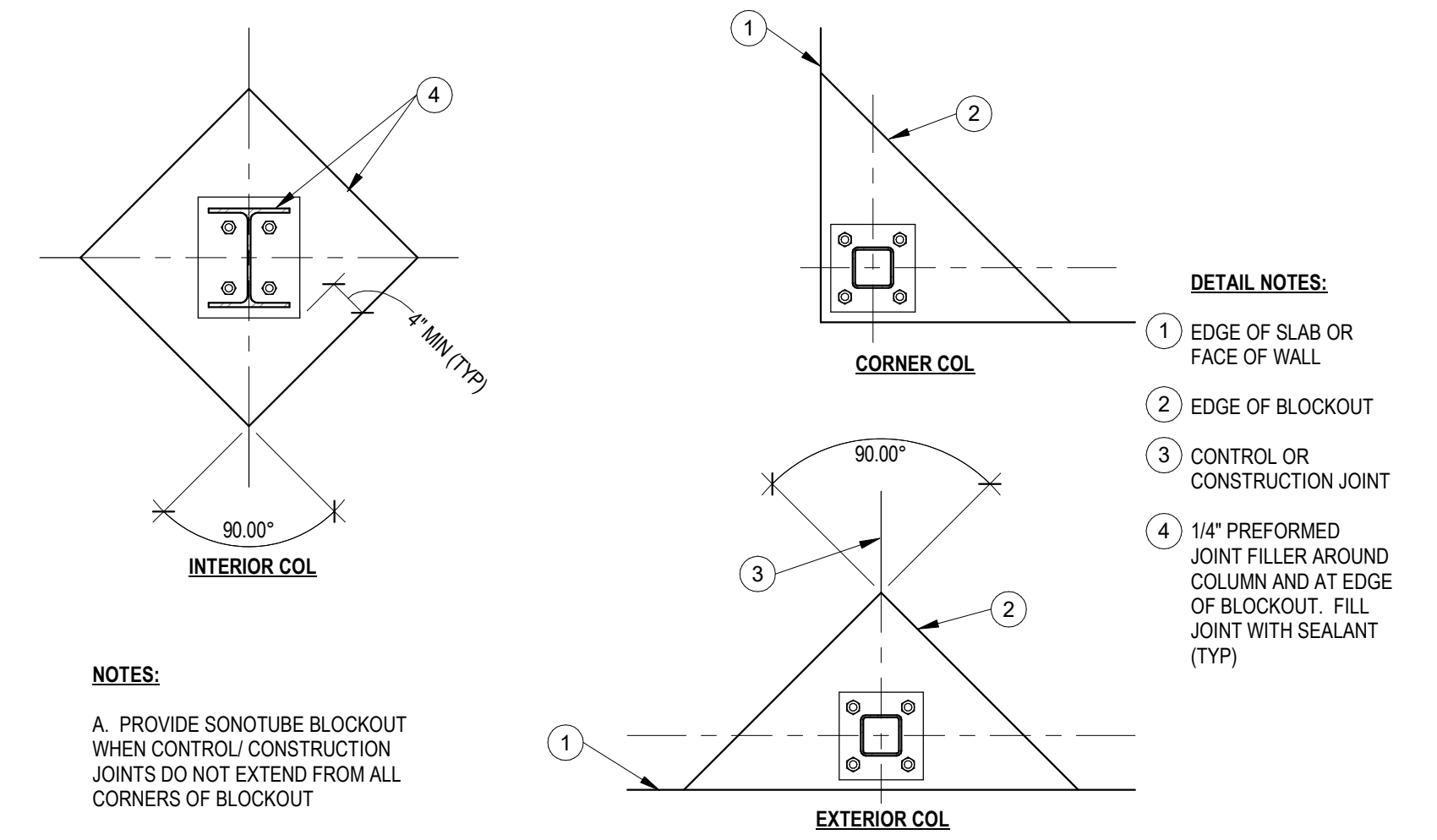
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3 SLAB ON GRADE CONTROL JOINTS

3/4" = 1'-0"



2 SLAB ON GRADE JOINTS @ COLUMNS

3/4" = 1'-0"

DEVELOPMENT AND LAP SPLICE SCHEDULE														
BAR	F _c =3000 psi							F _c =4000 psi						
	EMBEDMENT			LAP SPLICE				EMBEDMENT			LAP SPLICE		HOOK	
	COMPRESSION (LCE)	TENSION (LTE)	OTHER	COMPRESSION (LCS)	TENSION (LTS)	HOOK (LDH)	COMPRESSION (LCE)	TENSION (LTE)	OTHER	COMPRESSION (LCS)	TENSION (LTS)			
#3	8	13	12	12	28	21	6	8	12	12	16	16	7	
#4	11	21	16	15	37	28	8	9	18	14	15	24	18	9
#5	14	31	24	19	46	36	10	12	27	21	19	35	27	12
#6	16	43	33	23	56	43	12	14	37	28	23	48	37	14
#7	19	69	53	26	81	62	13	17	60	46	26	78	60	17
#8	22	85	66	30	93	71	15	19	74	57	30	96	74	19
#9	25	103	80	34	105	80	17	21	90	69	34	116	90	21
#10	28	124	96	38	118	90	19	24	108	83	38	140	108	24
#11	31	146	112	42	131	100	22	27	126	97	42	164	126	27

NOTES (PERTAINING TO TABLE):
 A. TOP BARS ARE HORIZONTAL BARS THAT HAVE MORE THAN 12" OF FRESH CONCRETE CAST BELOW THEM.
 B. ALL BARS THAT ARE NOT "TOP BARS" ARE "OTHER" BARS.
 C. ABBREVIATIONS:
 - LCE - COMPRESSION EMBEDMENT LENGTH
 - LTE - TENSION EMBEDMENT LENGTH
 - LCS - COMPRESSION LAP SPLICE LENGTH
 - LTS - TENSION LAP SPLICE LENGTH
 - LDH - HOOKED BAR TENSION EMBEDMENT LENGTH

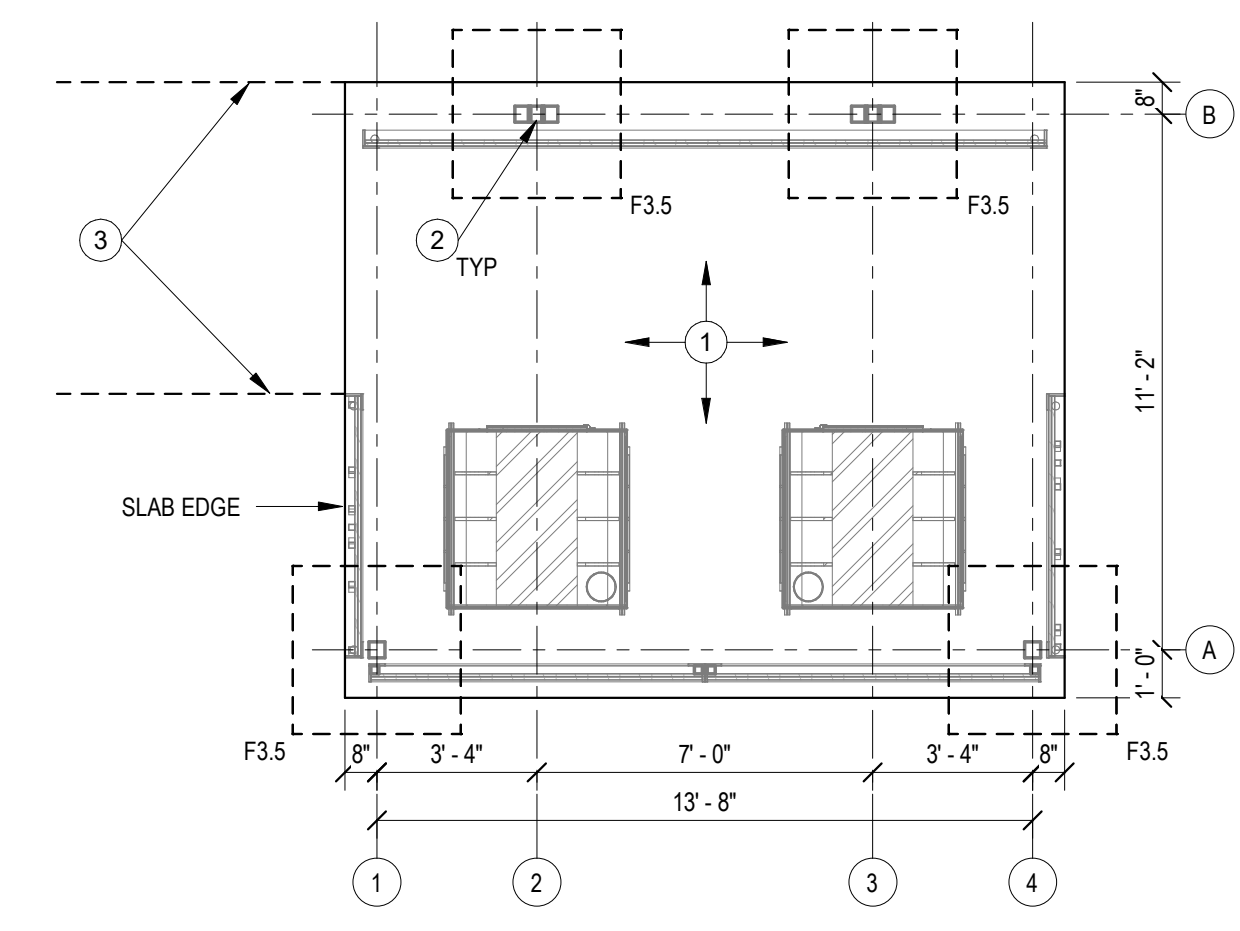
NOTES (GENERAL):
 A. STAGGER ALL SPLICES 12 db MIN, BUT NOT LESS THAN 12"
 B. ALL DIMENSIONS INDICATED IN TABLE ARE IN INCHES
 C. BARS GREATER THAN #11 SHALL BE MECHANICALLY SPLICED
 D. ALL SPLICES SHALL BE WIRED IN CONTACT STACKED VERTICAL

MULTIPLIERS:
 ALL EMBEDMENT AND LAP SPLICE LENGTHS SHALL BE INCREASED AS REQD BY THE MULTIPLIERS BELOW. APPLY MULTIPLE MULTIPLIERS IF APPLICABLE
 1.3 - IF CONG CONTAINS LIGHT WEIGHT AGGREGATES
 1.3 - IF EPOXY COATED REBAR USED

4 SPLICE & DEVELOPMENT SCHEDULE

3/4" = 1'-0"

SCHEDULE - SPREAD FOOTING				
TYPE MARK	LENGTH	WIDTH	THICKNESS	REINF
F3.5	3'-6"	3'-6"	2'-4"	(6) #4 EA WAY TOP & BOT

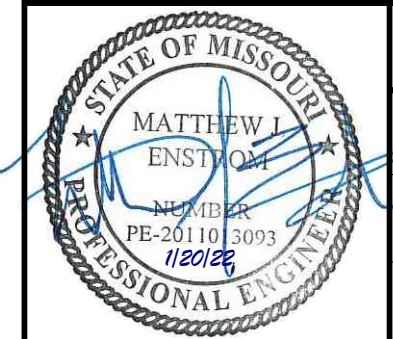


1 FOUNDATION PLAN

1/4" = 1'-0"

SHEET NOTES:
 A. REFERENCE GENERAL NOTES ON THIS SHEET. REVIEW NOTES & DETAILS FOR APPLICABILITY.
 B. SEE ARCHITECTURAL DRAWING FOR DETAILS & DIMENSIONS NOT SHOWN.
 C. REFER TO THIS SHEET FOR TYPICAL DETAILS.
 D. TOP OF FOOTING ELEVATIONS TO BE 0' - 8" MIN BELOW TOP OF SLAB. REFERENCE ARCHITECTURAL DRAWINGS FOR SLAB ELEVATION.
 E. SPREAD FOOTINGS DENOTED ON PLAN BY "Fxx". REFER TO SCHEDULE ON THIS SHEET FOR SIZE AND REINFORCING.
 F. PROVIDE BLOCKOUTS IN SLAB FOR COLUMNS PER TYPICAL DETAIL

PLAN NOTES:
 1 4" CONCRETE SLAB ON GRADE. RE: GENERAL NOTES FOR REINFORCING, GRANULAR FILL, AND JOINTING REQUIREMENTS. PROVIDE 8"x8" THICKENED EDGE AT SLAB PERIMETER W/ (1) #4 CONT BAR. RE: ARCHITECTURAL FOR SLAB EXTENTS AND LOCATION.
 2 STEEL COLUMNS BY PEMB MFCR
 3 RE: CIVIL FOR CONTINUED SLAB EXTENTS



Sheet Revisions		
Date:	Comments	Init.
1/20/2022	UPDATED LAYOUT FOR THE PORTA POTTY STRUCTURE	

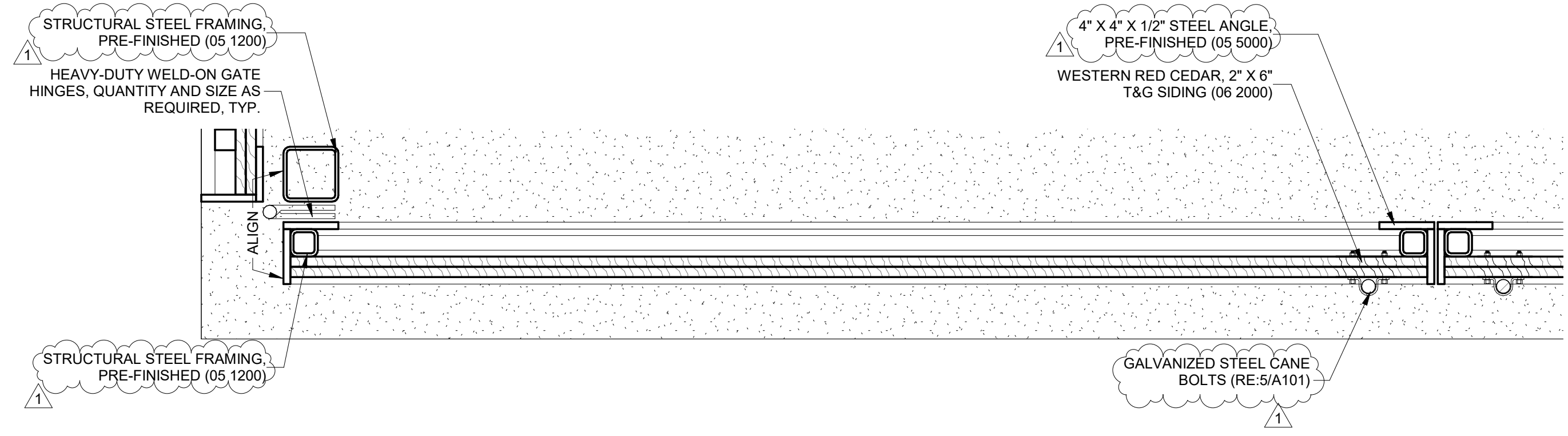
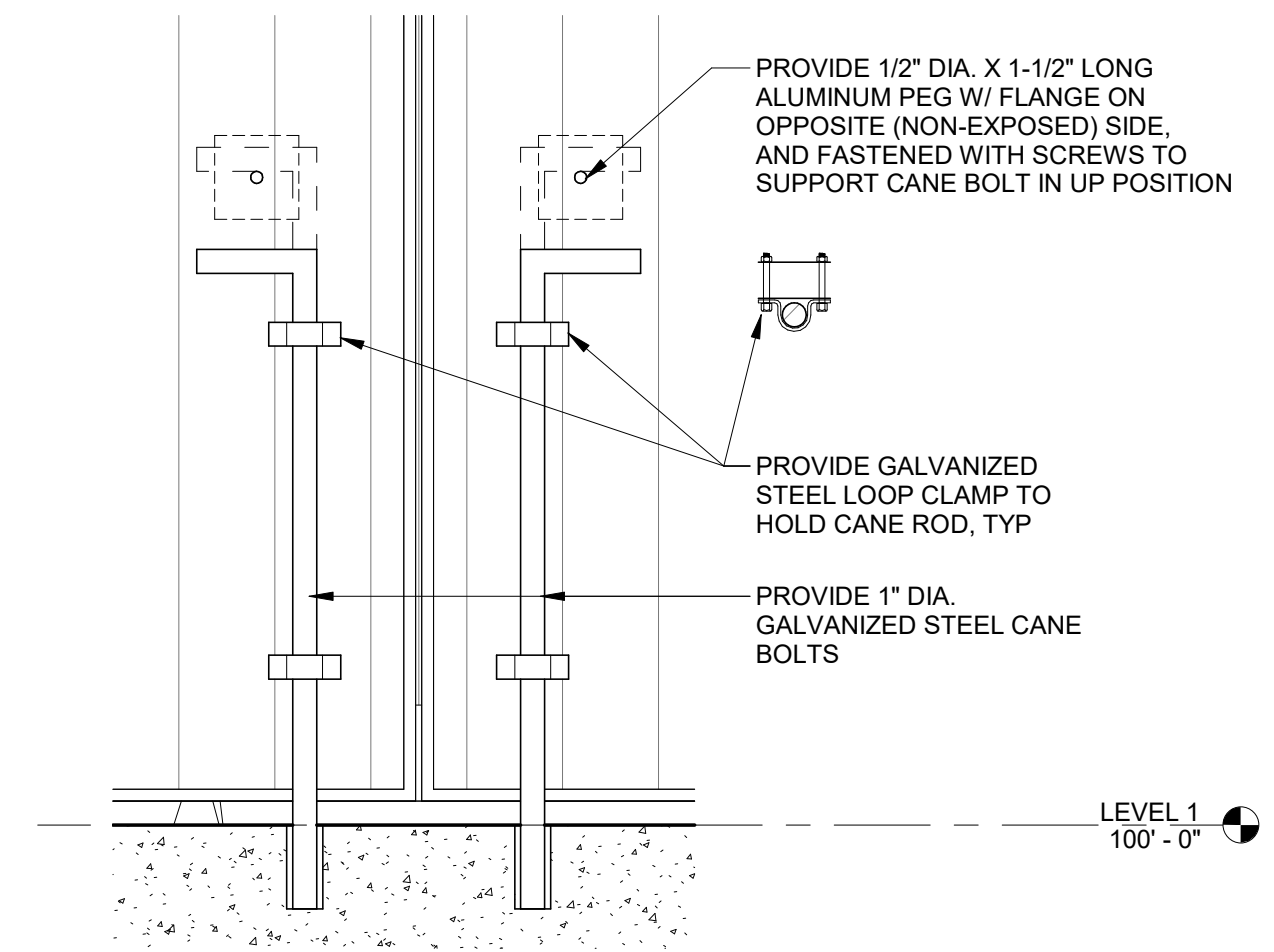
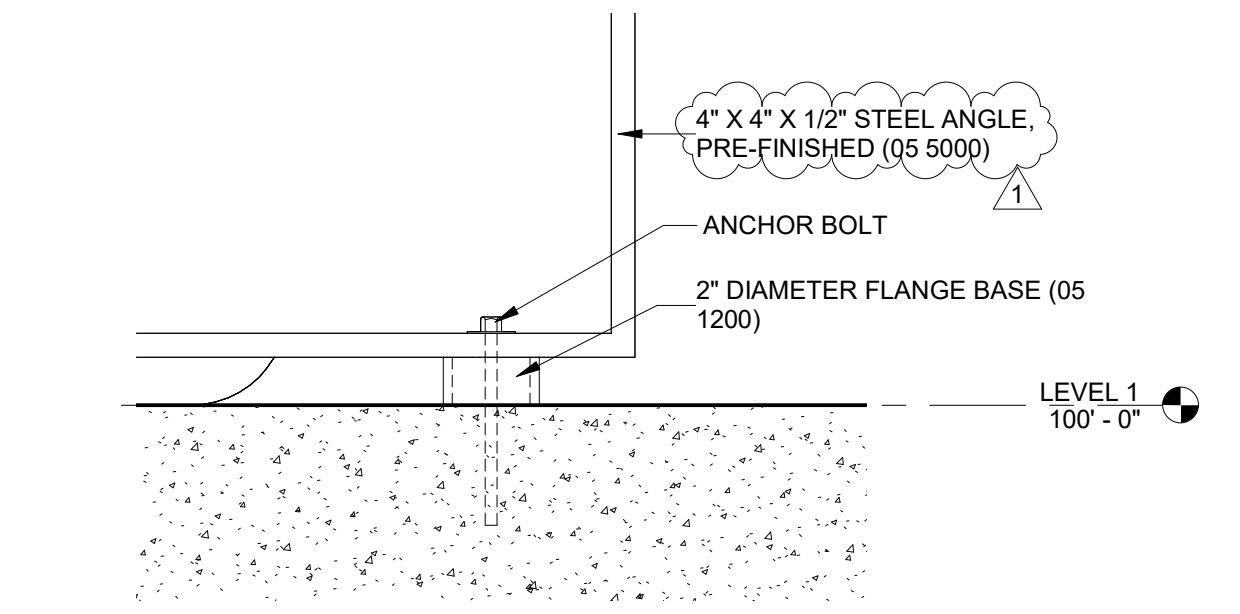
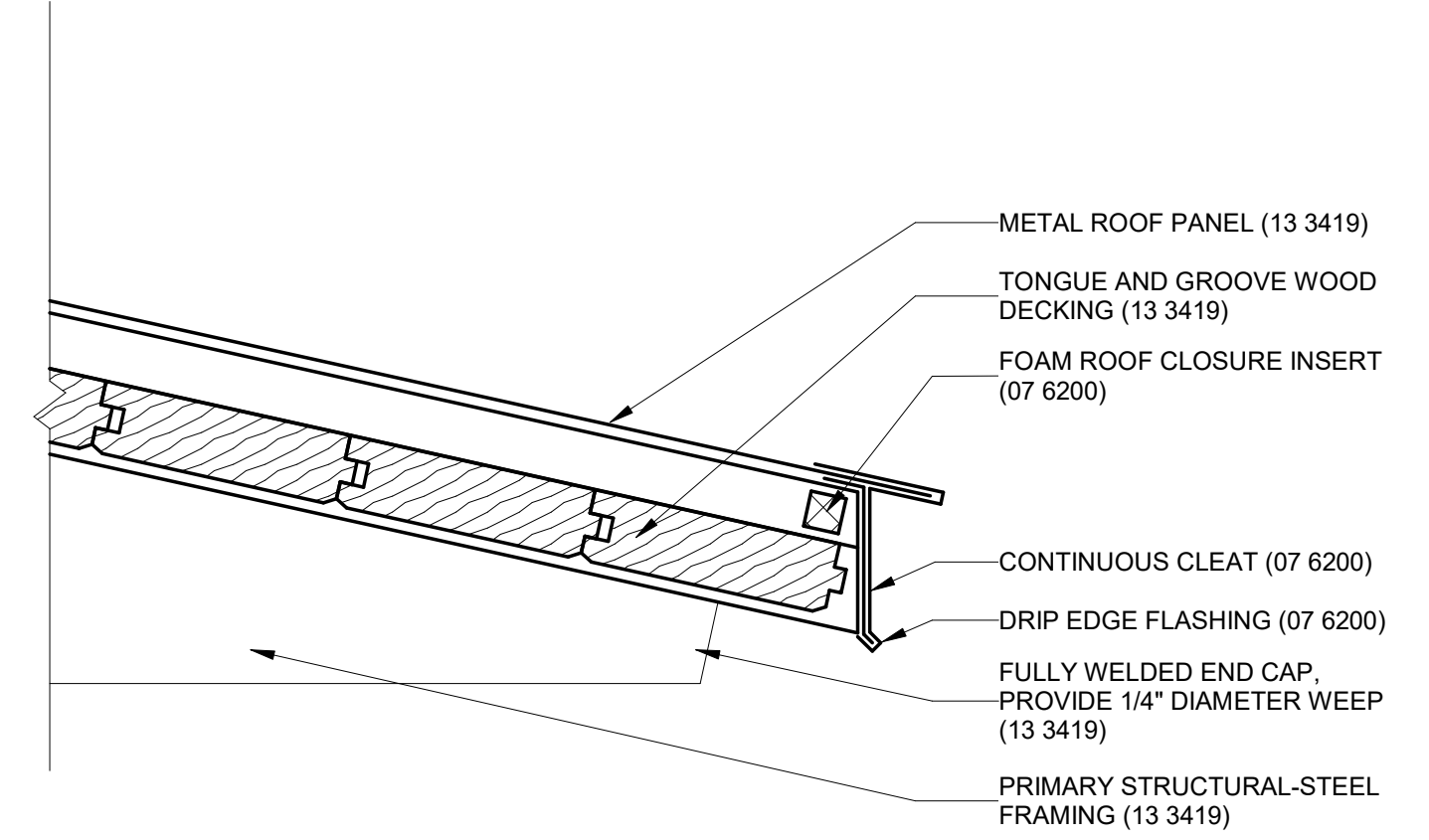
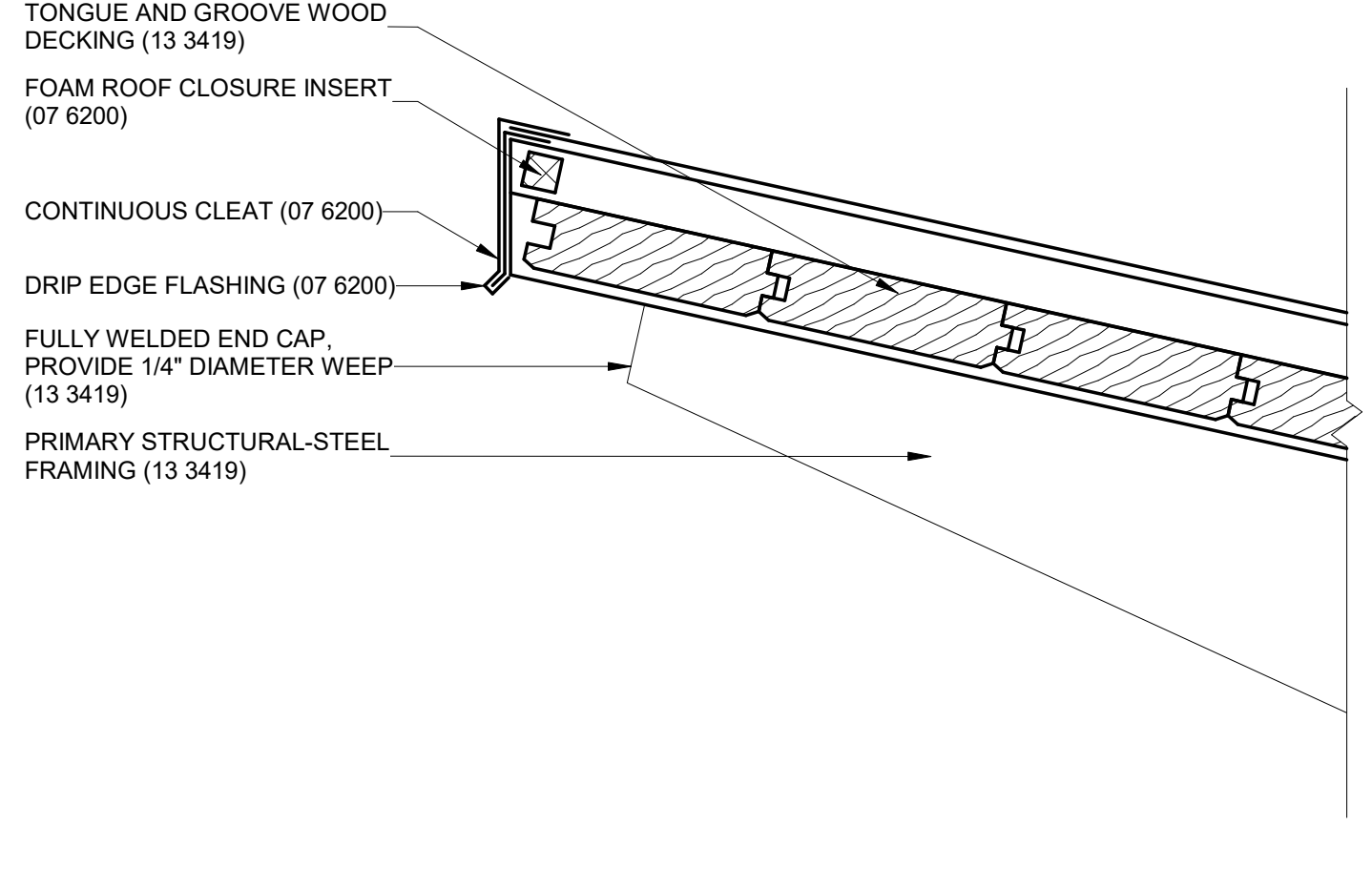
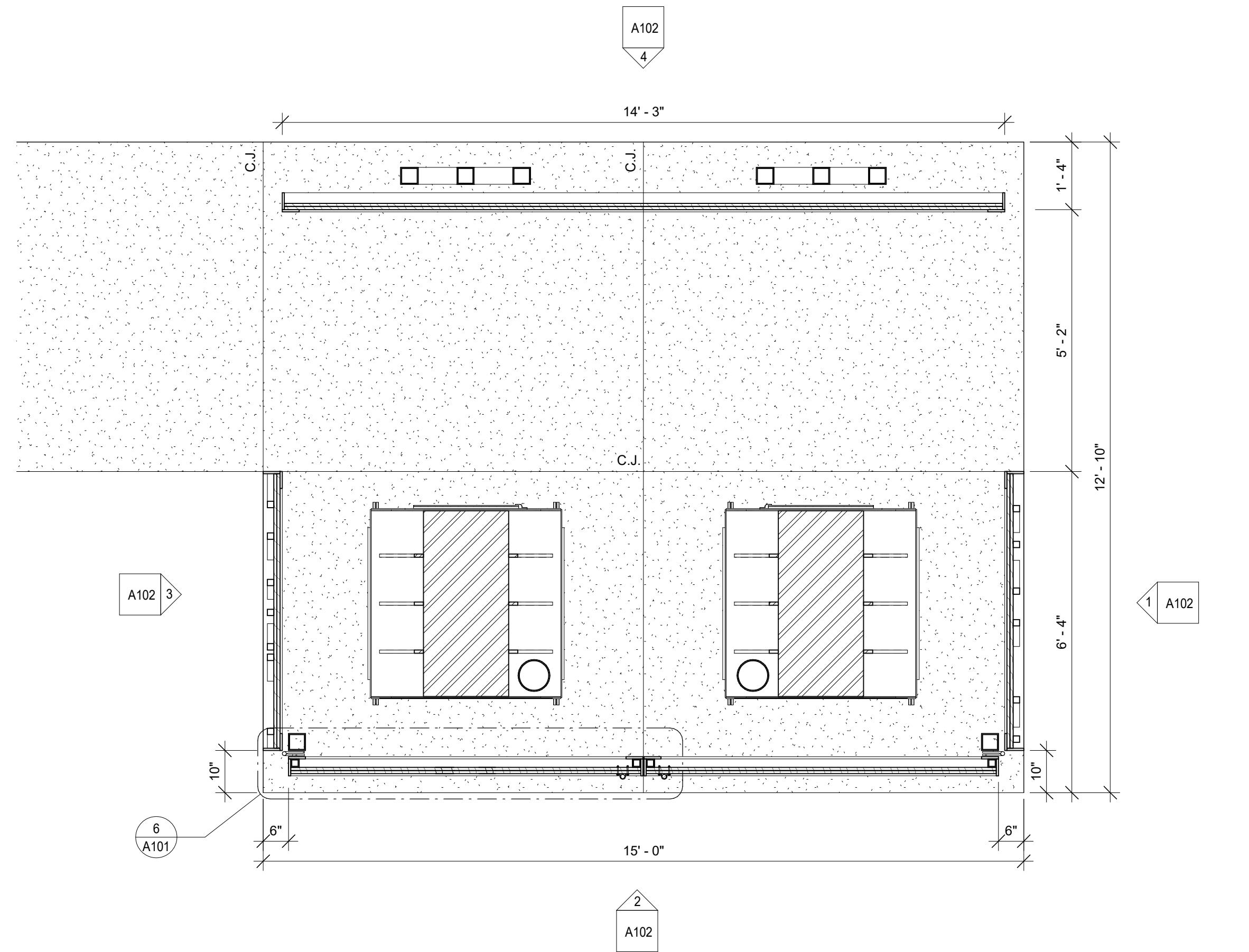
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 SUNSET LANE & HAWK RIDGE PARK
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PLAN & DETAILS



211082
S002



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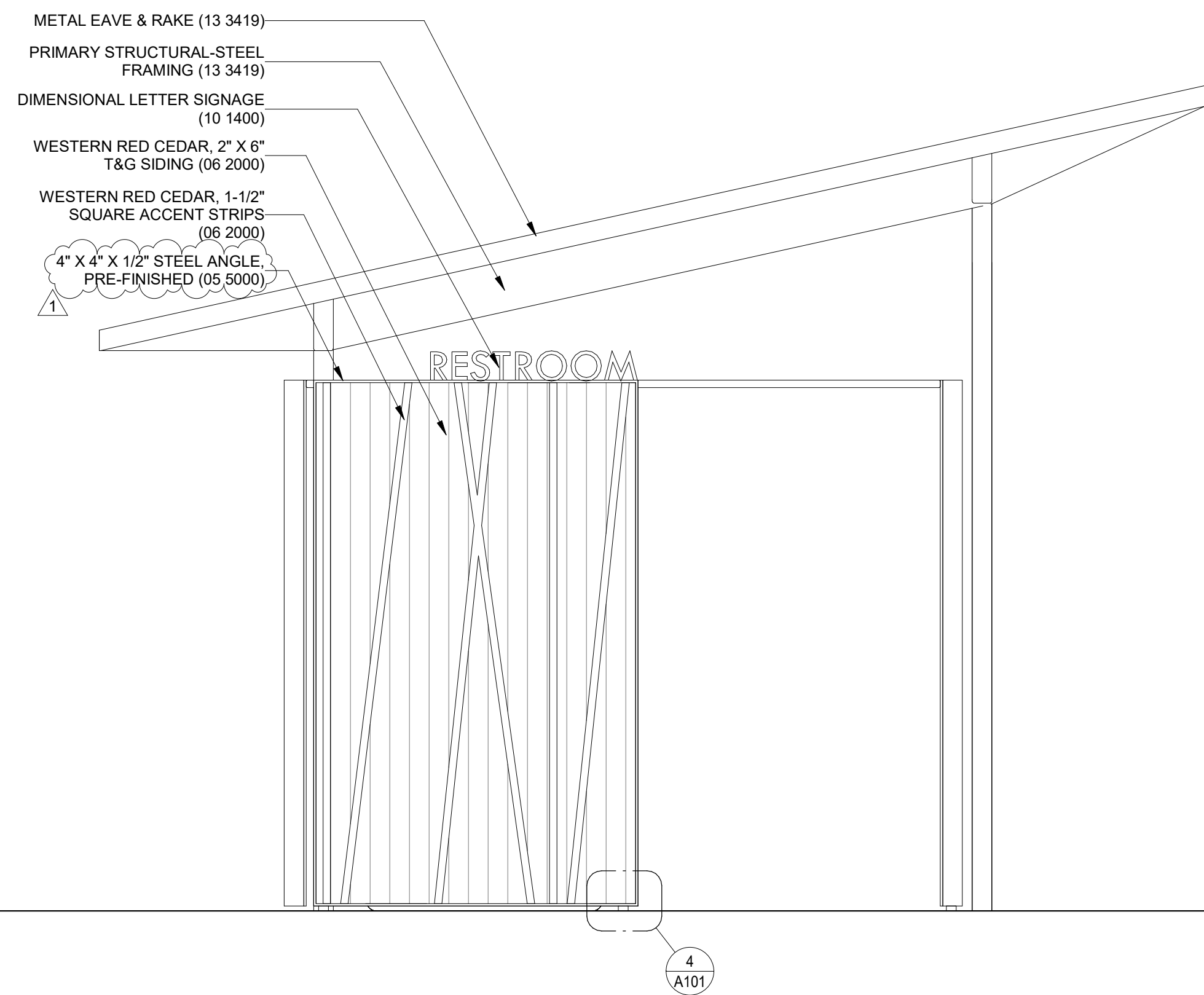
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Date:	Comments	Init.	
03/14/22	ADDENDUM #1		

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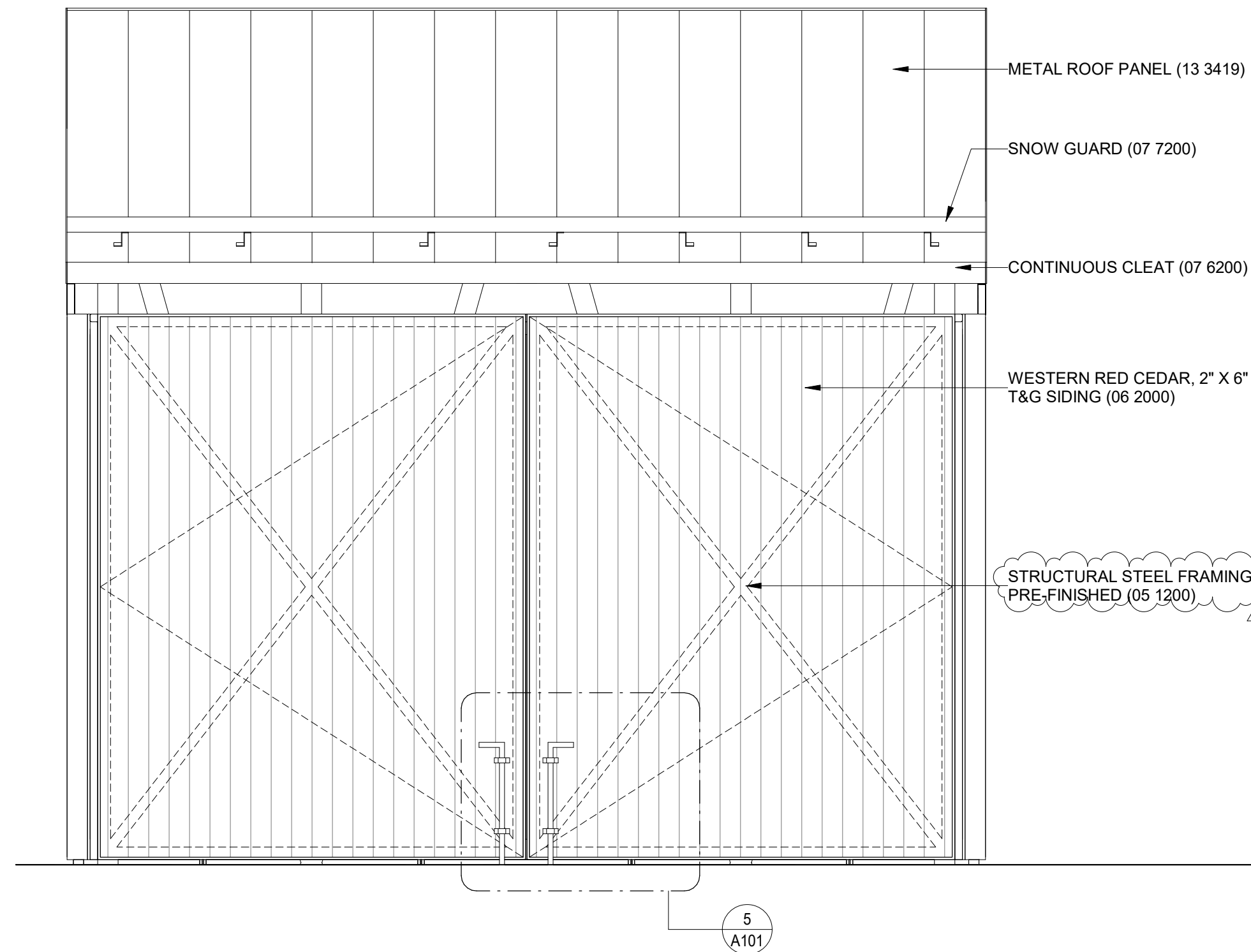
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PORTABLE RESTROOM ENCLOSURE

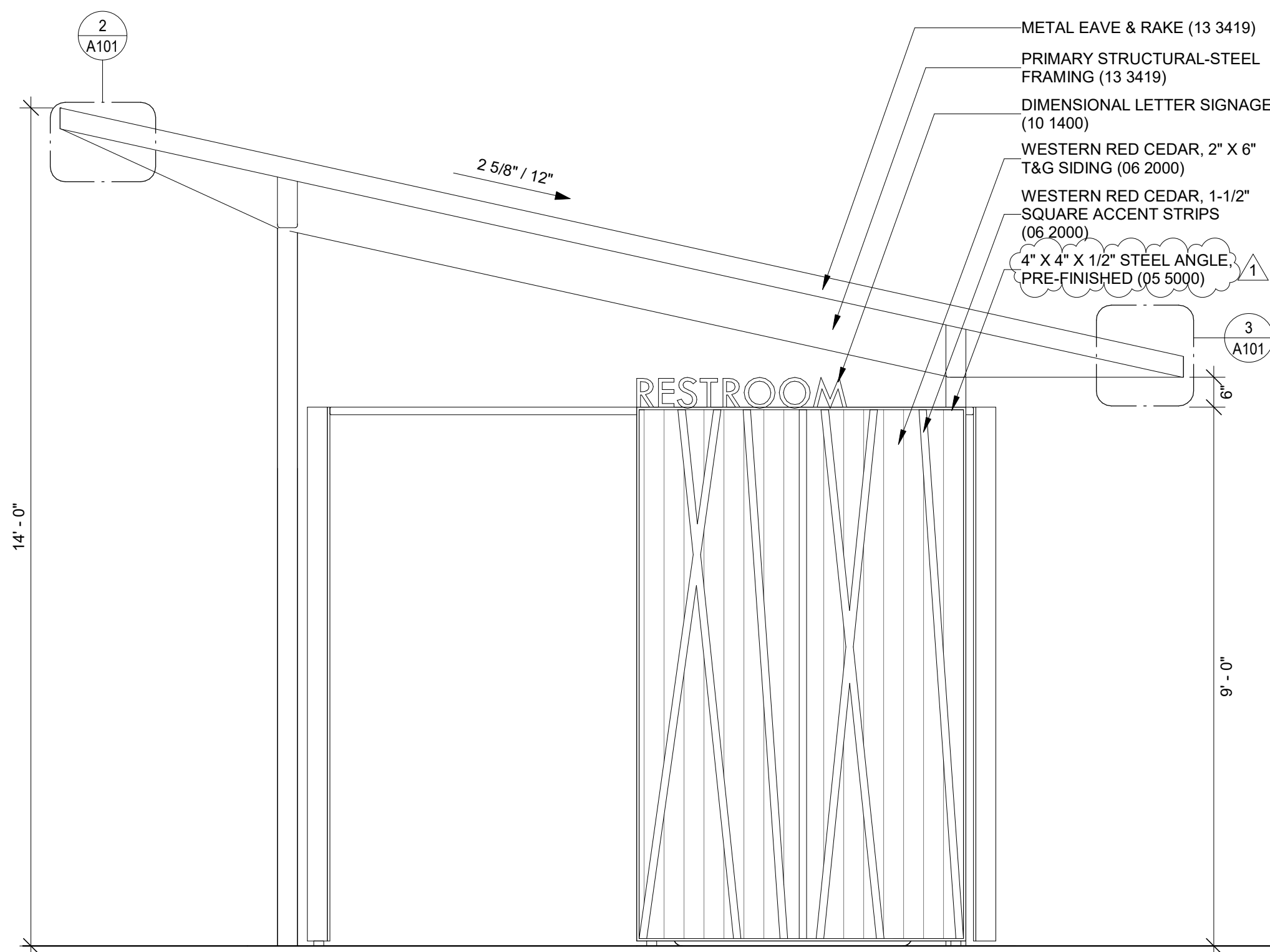
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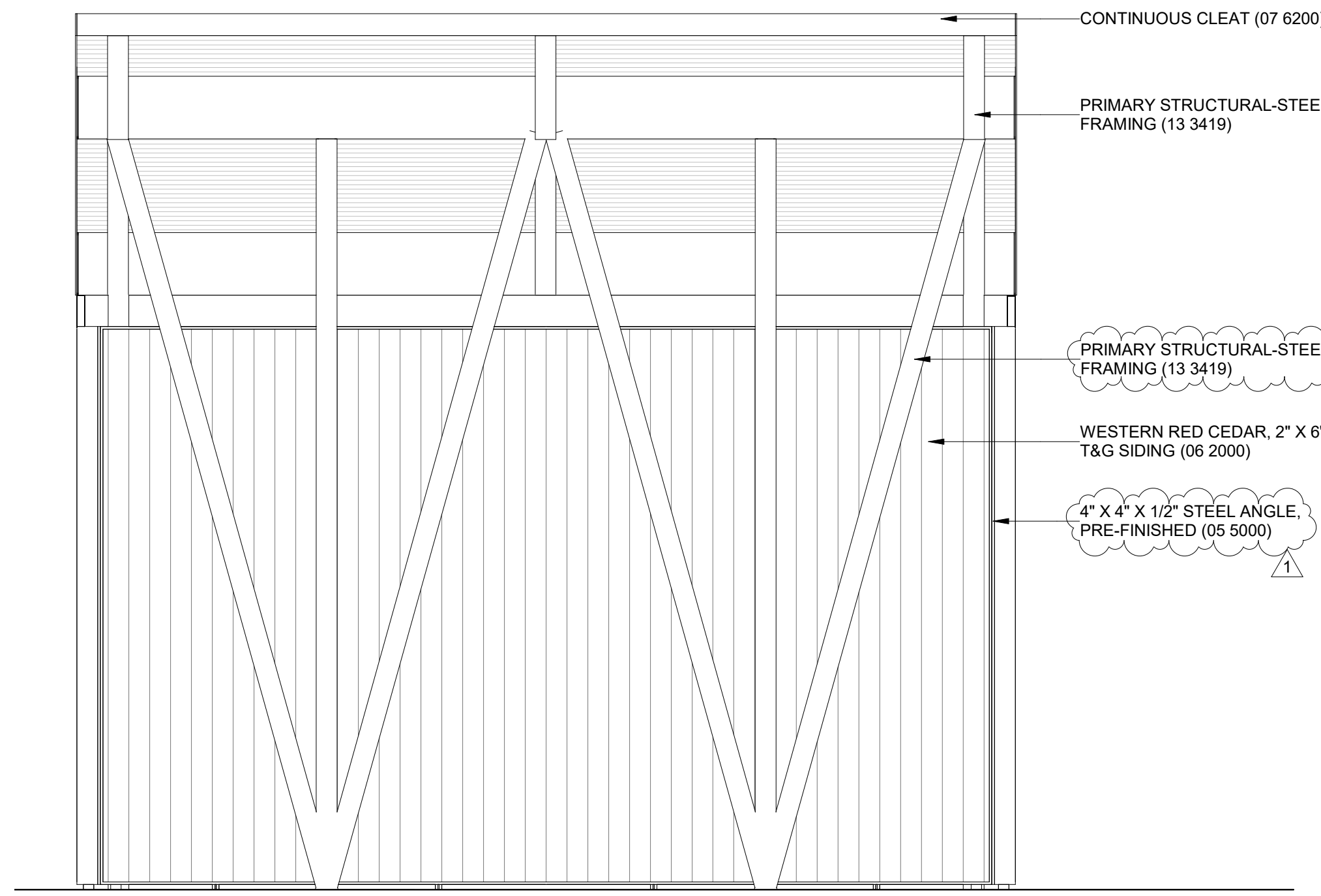
1 EAST ELEVATION
A102/ 1/2" = 1'-0"



2 SOUTH ELEVATION
A102/ 1/2" = 1'-0"



3 WEST ELEVATION
A102/ 1/2" = 1'-0"



4 NORTH ELEVATION
A102/ 1/2" = 1'-0"

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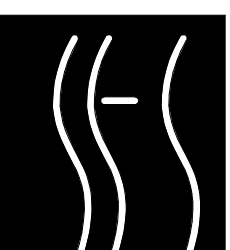
Sheet Revisions		
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2100 Central St. Suite 31 Kansas City, MO 64108
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