CITY OF Grand Junction COLORADO

Purchasing Division

ADDENDUM NO. 2

DATE: **September 8, 2016**
FROM: **City of Grand Junction Purchasing Division**
TO: **All Offerors**
RE: **Construction and Site Work for the Las Colonias Park Amphitheater**
IFB-4278-16-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to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.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. Construction dates for this project have been changed to the following: November 14, 2016

2. Q. Who will be responsible for providing a stormwater management plan for this project?

   A. The City has drafted and will supply the Construction Stormwater Management Plan. The City will apply and pay for both the Colorado Discharge Permit as well as the 5-2-1 Drainage permit. It shall be the Contractors responsibility to obtain dewatering permits when/if necessary.

3. Q. Is there a de-watering permit required for this project, and if so, who will be responsible for obtaining the permit?

   A. The Contractor shall be responsible for obtaining the dewatering permit.

4. Total volume of material that will be needed for the subgrade of the amphitheater seating area is 19,448 CY. Expected volume to be excavated from the slough is 28,976 CY. See Item #13 below for additional information.

5. Q. I am working on the reinforcement package for the Las Colonias project, and to do that I need to re-create this into a cad program. There seems to be a lot of missing information to do this. I don't see in any of the drawings in structural or architectural any degrees on the angles; there are pads and walls on grids B & C for example that are not on perpendicular grid lines, and no dimensions on where they are located. There are footings and walls that are not dimensioned in other areas also. Is this something that can be addressed so we can detail the job accurately?

   A. Architect to provide dimensions.

6. Q. The footing under the center of the loading ramp appears to be 3'-4" wide and is not labeled or on the footing schedule. Please provide rebar requirements.

   A. All of the walls at the loading ramp require a minimum FC2.0 footing. The footing in question is where two FC2.0 footings run side by side and effectively merge together. The reinforcement is the same as two parallel FC2.0 footings. The footing in this area would thus be reinforced with (4) #5 x cont. bars lengthwise and (1) #4 bar crosswise at 48" oc

7. Q. Architectural Detail A4 on Drawing AE421 indicates epoxy rebar in concrete stairs and refers to the structural and civil drawings which do not call for epoxy coated rebar. Please confirm locations (if any) requiring epoxy coated rebar.

   A. It is not intended that any of the reinforcing bars be epoxy coated.

8. Q. Civil and Landscaping drawings indicate 18" concrete site walls but lack reinforcing, footing and bottom of wall elevation information. The structural drawings have a concrete retaining wall schedule and details for retaining wall reinforcing and footing but the schedule does not include an 18" thick wall and the wall designations (CRW) do not appear on any plans. Please provide reinforcing and footing requirements for the 18" wall and confirm this should be constructed with 5000 psi concrete per the structural notes on Dwg. S001. We are not familiar with a "3/4" Toweled Bevel" called for on this wall, please provide section detail.

   A. The site wall in the amphitheater remains tied to detail 4.1. The minimum reinforcement for an 18" thick x 30"maximum height wall is #4 rebar at 16"oc each face vertical and #5 at 12"oc each face horizontal. The footing size should be 3'-0"wide x 12" thick x cont. reinforced with (3) #5 bars x cont. lengthwise and #5 x 2'-6" bars at 14"oc crosswise.

   The second site wall has been revised to detail 4.2 and as a 10" wall thickness. The structural wall schedule on Detail 8, Page S601 has all applicable reinforcing and footing details. The revised layout will assume the same center line as the previous design width of 18".

   The detail contains a typo error. Please replace "¾" Toweled Bevel" with "¾" Chamfered Edge."

   The following drawing sheets are included in this response, with revisions noted as ASI #2 on the "Revisions" line of the title block. **L3-02, L7-01, L7-06**.

9. Q. The typical top of footing elevation is called out as 95'-0" but structural detail 2 on S503 indicates top of footing to be minimum of 18" below grade (UNO) which would place top of footing at 94'-6" (typical grade around structure is 96'-0"). Please confirm top of footing elevation.

   A. This should be 12" below grade to match the plans

10. Q. The stated scale on S100 is 3/16"=1'-0" but the adjacent graphic appears to be 1/8"=1'-0". Please confirm the scale for S100 is 3/16 =1'-0".

    A. It appears that the scale graphic next to the stated scale is incorrect. The correct scale is 3/16" = 1'-0"

11. Q. Stormwater Management and Dewater permitting. For those contractors bidding more than one of the three projects for the Las Colonias Park, are the contractors to include the cost of Stormwater management and dewatering permitting in each proposal? May we propose to have an allowance set for permitting and to have the permitting obtained and paid for out of said allowance?

    A. The City has drafted and will supply the Construction Stormwater Management Plan. The City will apply and pay for both the Colorado Discharge Permit as well as the 5-2-1 Drainage permit. It shall be the Contractors responsibility to obtain the dewatering permit when/if necessary. There will be no allowance permitted.

12. Q. Local permitting, building and planning. Please confirm the contractor is to include in their proposal fee's associated with obtaining building permits and planning clearances for each project. If yes, will TCP fee's apply to these projects?

    A. Local permitting, building, planning fee's, and any other necessary permits/fee's associated with construction shall be obtained and paid for by the Contractor. Traffic Capacity Payment (TCP) Fees do NOT apply to these projects.

13. Q. It was discussed at the site visit meeting the City of Grand Junction will complete a portion of the site surveying. Would you please define the limits of the City's scope for the surveyors to provide competitive pricing for the contractor's responsibilities?

    A. The estimated volume of 'materials' needed to complete the Amphitheater seating area is 28,263 CY, of which 19,448 CY will be brought over and compacted by the Slough Contractor for the subgrade for the seating area. Subgrade is defined as Finish Grade less the final surfacing materials: 18" of topsoil in turf areas; 6" of landscape mulch in non-turf areas; appropriate depths of concrete sidewalk and concrete plaza area sections. The City will provide survey control for this subgrade work.

    The remaining volume is comprised of concrete sidewalk and base that occurs on the seating mound, the 18" of topsoil that occurs under the lawn area, and the 6" of crusher fines that occurs on the slopes of the seating area mound. The Amphitheater contractor will be responsible for the above materials and their proper placement.

    In addition to the above, the estimated volume of excavation related to the remainder of the amphitheater sitework (concrete plazas, parking, access roads, etc.) is 4,357 CY. This material will be hauled and placed in the stockpile area to the east, which is identified on the Slough drawings.

14. Q. Also, in reviewing the plans the quantities in the plans don't match up with the quantities said in the site-visit meeting. To just clarify please confirm the estimated quantities of dirt to be moved for each project.

    A. See Item #13 above

15. The scale is not provided on C8 Easterly Water Plan. Please provide.

    A. 1" = 20'.

16. Alternate #3 in spec section 012300 states to refer to sheet AE101 note at top center of page for specifics on the Folding Chairs and Rolling Carts alternate. However on AE101 there are two options as well as multiple quantities of chairs listed for each option. Please clarify which option and quantity of chairs is to be priced for Alternate #3 as there is only one line on the bid form to enter a price.

    A. Please price "Option #1 - Less Comfortable Chairs" as the base bid and "Option #2 - More Comfortable Chairs" as the alternate.

17. Bid form 2-2, Item 65 states for Concrete Paving (6" thick) in place of HMA at South Concession Area. Spec section 012300, Bid Alternate #10 states that the base bid is asphalt millings and that this alternate is to use asphalt. The plans currently show 4" of HMA on C2 for base bid. Please clarify what alternate #10 entails.

    A. Base Bid shall consist of 4” of HMA with Line Item #65 (Bid Alternate No. 10) consisting of Concrete Paving (6” Thick).

18. The bid schedule for the site civil work has alternate #10 included in the total bid amount as line item #65. There is then two total lines at the bottom of the bid form with the Bid Amount and Bid Alt. #10 Bid Amount both called out. Is the Bid Amount supposed to include Alternate #10, which then makes bid alternate #10 a deduct? Please clarify.

    A. Contractor shall utilize the updated/revised Site Civil Bid Schedule when submitting their bid response. See attached revised Site Civil Bid Schedule.

19. Alternate #1 in spec section 012300 states to refer to sheet AE101 for location and Basis-of-Design product. There is no basis-of-design listed on the plans, please provide.

    A. Basis-of-Design lift shall be Genie GS-2046, or equal.

20. There is a note 10.24 shown on AE101 in rooms A114 and A102 (Stage Left and Stage Right) that is for Toilet Partitions. This note appears to be in the wrong locations. Please clarify.

    A. This is due to a software error. The note should read "Location of additional chair storage at stage wing areas."

21. Spec section 092900 has Abuse Resistant Gypsum Board called out on 2.1.D, 3.2.A.3, and 3.4; which states as indicated on drawings install up to 6" above finish ceiling height. However the drawings do not show abuse resistant gyp anywhere. Please clarify if there is abuse resistant gyp and where it is located.

    A. There is no abuse resistant gyp board being used on this project.

22. Spec section 092900 calls out Texture Finishes at Part 3.7 on page 7. Please clarify what type of texture finish is required.

    A. No specific texturing of drywall is desired for the project.

23. Wall type P3 goes to bottom of structure, however the building section on C1/AE301 shows the corridor wall (noted on AE101 as wall type P3) along the star dressing room only going to 6" above ceiling. Please clarify what the correct wall type is at this location?

A. Wall type P3 is correct, it will go to the deck as designated. The building section is not shown correctly.

24. The spec section 083323 calls for stainless steel curtains on the overhead coiling doors, however the door schedule elevation on AE601 calls for factory painted. Please clarify what the door finish is?

    A. All overhead coiling doors will be a painted finish per the door schedule. There will be no stainless steel coiling doors in the project.

25. Part 1.10 of spec section 083323 calls for a warranty of 3 and 5 years, however the basis-of-design only has a 2 year warranty available. Please clarify the warranty requirements that are possible for these doors.

    A. Provide the 2-year warranty that applies to the basis-of-design product.

26. Part 2.2 A.11 and part 2.3 A.13 of spec section 083323 calls for between jamb mounting. All details show face of wall mounting. Please clarify.

    A. Provide face of wall mounting.

27. Specs call out both insulated and non-insulated coiling doors, however they are not depicted on the plans as to what doors are required to be insulated and non-insulated. Please clarify.

    A. Please provide only non-insulated coiling doors at all locations.

28. Spec Section 083323, 2.3, A., 10., a., states both pneumatic and electric sensing edges. Please clarify which type is required.

    A. Provide electrical sensing edges.

29. Spec section 053100 Part 1.1, B, 1 mentions acoustical cellular roof deck, however no details are provided as to what type is needed. The plans do not mention acoustical roof deck at all. Please clarify if there is acoustical roof deck and what type is needed.

    A. Ignore any callouts for "acoustic cellular roof deck." It does not exist in the project.

30. There is a signage legend provided on G003, however no signage scehdule is listed nor are there any signs shown on the floorplans and elevations. Please clarify interior signage required on this project as well as location.

    A. All restroom entrances, interior and exterior, shall receive signage located according to the "signage locations" called out on sheet G003 and with appropriate ADA detailing as required by code. Also, all interior doors leading to interior rooms shall receive signage, located according to the "signage locations" called out on sheet G003. This would include rooms labeled IT, ELECTRICAL, MECHANICAL, OFFICE, STAR DRESSING, STAR WC, RESTROOM 1, RESTROOM 2 (this is an ADA restroom as mentioned above), CUSTODIAL, SECURE STORAGE, MOP AND STORAGE.

31. The exterior lighting schedule lists fixture types ZX-1 and ZX-1D both as single head fixtures, however the site lighting plans shows some ZX-1 fixtures as double head and all of the ZX-1D fixtures are shown on double head. Please clarify if these are single or double head pole lights.

    A. Provide light fixture heads to match what is shown in plan view.

32. The W36x231 beam at the front of the stage that bears on the HSS Columns is approximately 72' long, and is unavailable in this length and will need a field splice. (65' is the longest length available.) Please provide a splice detail for this beam.

    A. An extension of identical size and material strength will need to be full pen field welded all around to form a beam of the correct length. All full pen welds will need to be inspected according to the special inspection schedules shown in the structural drawings.

33. The one-line and panelboard schedules do not indicate a fault current (AIC Rating). The note in the fault current table says if no fault current is shown, assume 100,000AIC. There is a substantial cost savings to use a 65,000AIC rating which should be sufficient for this project. Please clarify the fault current AIC rating required and if they can be series rated.

    A. A maximum of 65,000 AIC with series rated gear is acceptable.

34. Spec section 55213 Part 2.6, A. calls for all Handrails/Guardrails to be powder coated. However the plans state for them to be galvanized steel and then primed and painted. Please clarify the finish required.

    A. Powder coated is desired finish. Ignore any notes that mention galvanizing, priming or field painting.

35. The plans call for epoxy paint at the exposed structure ceiling in A101, A114, and A102. The specs are not clear as to what epoxy that is being referred to. There is a dryfall listed in the specs, however that isn't an epoxy. Please clarify.

    A. The intent of the epoxy paint requirement is to protect any painted metal that would be exposed to a possible wet environment, maybe exterior in location. Please bid an exterior-rated epoxy paint for these locations.

36. What finish is to be assumed for the walls that are not called out in the finish schedule. See rooms 001, 002, A102, A111-A114. Should we assume that they are as-is, and not painted?

    A. The intent is that these walls would not be painted due to their utility-type locations or back of house locations. However, the gyp board walls at the south side of A102 and A114 would need to receive paint due to their visibility by the public from the stage area.

37. There are fire alarm symbols on the symbols legend on EE002, however nothing is shown on the plans or specs. Please clarify if we are to include a fire alarm system.

    A. We do not believe that a fire alarm system is required, however monitoring of the sprinkler valve with an automatic dialer is required. We will defer to the owner on the final decision on the full fire alarm system.

38. Please clarify the scope of the telecom system as it is shown on the legend and riser diagram however there is nothing shown on the plans or specs.

    A. Provide rough-in/conduit only for low-voltage systems.

39. Exhaust fan EF-3 does not have a monitor on the vent pipe like EF-1&2, nor is the pipe shown on the roof plan. Will EF-3 need to be tied in to the radon piping system?

    A. EF-3 is shown tied into the radon piping system. Provide radon u-tube monitor (in mechanical room) and extend through roof. Offset piping in attic space and coordinated exact location with ERV unit. **See revised drawings MH103 & MH104**.

40. Please clarify what the "Owners Requirements" are that are called for in the water heater specs part Part 2.3.

    A. Paragraph under specification 223400 paragraph 2.3 that begins with "Retain first paragraph..." and ends with "Verify requirements with Owner." should be deleted.

41. Plan AE102 shows a roof drain (RD) & secondary roof drain (SRD) at Grid line 5, sheet PL101 shows only the RD and piping. Please confirm if an overflow roof drain is need at this location and where the downspout is to be located.

    A. A Secondary roof drain ""SRD-4"" should be provided adjacent to "RD-4" at grid 5 (between grid B & C., as shown on the roof plan AE102). A 4" secondary rain water pipe should extend from the "SRD-4"" and run parallel to the 4" rain water pipe and extend through the exterior wall at grid 1 and terminate, near the roof, with a downspout nozzle "DSN-4". **See revised drawing PL101**.

42. PL101 There are 2 additional roof drain location along Gird Line 1 that the plumbing plans only show the roof drain and have no overflows called out. Please confirm.

    A. A Secondary roof drain "SRD-4" should be provided adjacent to "RD-4" at grid B-1 and, at grid C-1. (2 locations). A 4" secondary rain water pipe should extend from the ""SRD-4"" and extend through exterior wall at grid 1, near the roof, and terminate with a downspout nozzle "DSN-4". **See revised drawing PL101 & PL401**.

43. Plumbing plans show no roof drain piping from the RD 7 SRD located above the restroom areas on the east side of the building. Please provide.

    A. A roof drain "RD-4" should be provided as shown on drawing AE102. Provide a 4" rain water pipe from RD-4 and run to exterioir of building and connect to site drainage system. A secondary roof drain "SRD-4" should be provided as shown on drawing AE 102. Provide a 4" secondary rain water pipe from SRD-4 and extend through exterior wall and terminate with a downspout nozzle "DSN-4". **See revised drawing PL402**.

44. Will cleanouts be needed at the roof drain locations where they exit the building just beyond the foundation wall as none are called for/shown. Also, please provide is the invert at these locations?

    A. International Plumbing code requires that cleanouts are to be provided in roof drainage system. See cleanout notes.

45. PL101 What is the invert elevation at the sewer line locations where they exit the building?

    A. The invert elevation of the sewer lines exiting the building will be approximately 42"" below grade.

46. The spec section 221319 calls for vent caps, however there is no manufacturer or model number for the type of vent cap to be installed at the vent through roofs. Please provide.

    A. Vent caps are not necessary on this project.

47. There is a callout for LW-A on 2/PL402 however it is not listed in the plumbing schedule. Is this supposed to be L-A? Please clarify.

    A. LW-A is the same as L-A.

48. There is no urinal shown or specified in the plumbing fixture schedule on PL601, however there are urinals shown on the plumbing plans. Please provide.

    A. Urinal shall be equivalent to American Standard 6590.001 with Sloan 8186-0.5-or flush valve and J.R. Smith 0615 carrier.

49. Detail D1 on AE401 indicates that the showers would be a pre-fabricated shower but the plumbing schedule only calls out for an ADA compliant shower valve. Is the shower supposed to be a one-piece ADA and what would the specifications be? Please clarify.

    A. The intent for these showers would be a one-piece, prefabricated shower. Specifications would be to accommodate ADA transfer (no 4" threshold) with a built-in seat, grab bars per the requirements outlined on sheet G003.

50. PL401 The piping for the domestic hot water recirculation has the two recirculation lines tee'd together and ball valves shown installed at that location. Shouldn't there be balance valves or circuit setters installed at these two locations? Please clarify.

    A. Ball valves shown in DHW recirculation line should be called out as balancing valve ""BV"" as scheduled on drawings PL602.

51. Please provide the detail for the "sway bracing" called for on the 4" and larger piping per pipe hanger note #8 on PE002.

    A. Sway brace is either angle iron, Unistrut channel or cable bracing to prevent the waste pipe from moving during a seismic event. Contractor to provide his choice of restraint.

52. Slab Edge Plan AE103 shows sloped slabs indicating that there are floor drains at the low points in these areas. However the plumbing plans PL401 do not show floor drains in rooms A106, A107, and A108. Also rooms A116 and A118 in the plumbing plans only show one floor drain, however AE103 indicates that there are two. Please clarify.

    A. Firstly, the slabs are not sloped, only recessed. The tile floor finish will provide the sloping. Secondly, please provide the floor drains for these recessed areas as shown on sheet AE103, with the note that rooms A122 and A128 will have floor drains as shown in the

plumbing drawings (no recessed floor). These floor drains shall be type FD-T and be connected to the adjacent 4" waste lines.

53. 033000 Please clarify the reinforcing required on the site concrete walks/paving.

    A. See City of Grand Junction Standard Contract Documents For Capital Improvements Construction, Revised July 2010 for reinforcement required for site concrete. Reinforcement required in pans and fillets only.

54. Please provide a detail on the footing/foundation required at the site wall shown on L3-02 and detailed on L7-06 & 4/L7-01.

    A. See Item #8 above.

55. Will there be a revised bid form indicating the total cost for the Construction of the Amphitheater and Site Work as the current form only has three "sub-totals"; one for the building, one for the site landscaping, and one for the site civil work. No where on the current bid form do we total the three up for a total IFB-4278-16-DH bid amount.

    A. Bid as is.

56. Please confirm that all three scopes of this invitation for bid (IFB-4278-16-DH) will be awarded to one contractor?

    A. Correct.

57. Please clarify scope of work that is called out on the bid form line item #29 - Site Electrical Utilities. What is this to include as exterior site lighting is listed on line item #40?

    A. This question cannot be clarified at this time. If need be, it will be clarified and/or negotiated with the awarded contractor.

58. Detail 4 on L7-01 calls for a 3/4" Toweled Bevel. Please clarify what a Toweled Bevel is.

    A. See Item #8 above

59. Civil plans show the new Struthers access road and West Concessions areas being all Hot Mix Asphalt per C2, however the landscaping plans show a mix of HMA and Asphalt Millings. Please clarify the composition of the entire new west access road.

    A. Civil Plans Hold precedence.

60. S100 Note 05.02 on AE101 calls for painted steel columns that are indicated on the floor plan in the under stage storage rooms 001 & 002, however the structurals do not show any columns in these areas. Please clarify.

    A. No columns are required for structural.

61. S100 Please provide top of wall elevations at concrete foundations.

    A. Please refer to the foundation details for the locations of the top of foundation walls.

62. S100 Please provide a detail through the ramp at the switchback between grids A & B adjacent to grid 1, along with TOW elevations in the structurals.

    A. The code dictates that at the ramp edge there should either be a 4" curb or there needs to be a horizontal portion of the guardrail that is within 4" of the ramp surface. It was our intent to have the guardrail design satisfy this requirement. However, we are open to the ramp edge having a 4" curb if that is more cost effective for the contractor. Currently the drawings call out the elevation height of the ramp landing relative to 100'-0" with the idea that the slab would extend over the top of the ramp walls. If the contractor would like to extend the ramp walls up to become a 4" curb then we would accept that, with the contractor doing the required math for these heights relative to 100'-0". There is unfortunately not enough time to provide a detail due to the short request time available for these answers.

63. S100 Please provide top of pier elevations, in particular at the portal frame foundations as detail 11/S501 only shows the cut through the stairs. Please provide a detail showing the perpendicular cut through the pier and adjacent to the stage slab.

    A. The top of the concrete foundation walls at the exposed edge of the stage are typically 8" below the finished floor slab elevation per detail 1/S503. The 3 ft wide piers supporting the steel frame can either be held at the same elevation as the stage foundation walls with the slab on grade cast on top, or they can be extended up so that the top of the piers match the top of the stage floor slab. Either way works for structural. The architect shall determine the best course of action.

64. Are any additional foundations required for the stagefront electric ADA lift in Alternate #1? All that is currently shown at the area is the 5" Concrete Paving.

    A. The lift model and loads are unknown. However it is currently felt that the 5" concrete paving is sufficient. This will need to be verified with the exact lift model requirements.

65. The door schedule on AE601 is missing the Frame Material, Head, Sill, and Jamb details for openings 116, 118, 120, 122A, 122B, 124, 128 A&B. Please provide.

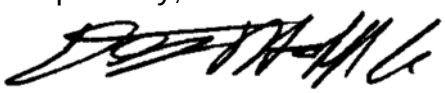
    A. We would ask the contractor to default to the door and frame types called out in the schedule on these doors for Frame Material. Regarding head, sill and jamb details, please refer to the details on the same sheet AE601 depending on the wall being CMU or gyp board and extrapolate the information similar to the other doors listed in the schedule.

66. See attached Construction Storm Water Management Plan and Site Map.

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

All other conditions of subject remain the same.

Respectfully,



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

Construction Storm Water Management Plan

For

Project: Las Colonias Amphitheater & Slough Construction

Project No.: _____

Project Code: _____

Owner: The City of Grand Junction

(970) 256-4082

CSWMP Preparer: Jerod Timothy, Project Manager

(970)-244-1565

Construction Storm Water Management Plan

For

Las Colonias Amphitheater & Slough Construction

Introduction

This CSWMP for the Las Colonias Amphitheater project is formatted and presented consistent with Mesa County SWMM and State of Colorado SWMP criteria, and local guidance provided by the 5-2-1 Drainage Authority. There are no exceptions to State required inclusions in the plan. The following CSWMP is organized and presented as follows:

Section 1: Site Description

Section 2: Site Map (Storm Water Site Map in Appendix A)

Section 3: Storm Water Management Controls

Section 4: Final Stabilization

Section 5: Inspection and Maintenance Procedures

Appendix A: Storm Water Site Map

Appendix B: Site Photos (existing conditions)

Appendix C: Storm Water Inspection Forms

This CSWMP was prepared by Jerod Timothy, Project Manager, City of Grand Junction, Grand Junction, CO 970-244-1565

1. Site Description

a) The nature of the construction activity at the site. The description should include the physical location and address or cross streets, type of project, a summary of the grading activities, installation of utilities, paving, excavation, landscaping, and the final disposition of the property.

This property is located at 925 Struthers Avenue in Grand Junction, Colorado, is intended to be developed as municipal recreational park. This project generally consists of the construction of the amphitheater structure which is to include curb, gutter, and sidewalk; asphalt and concrete pavement; utilities (water, sanitary sewer, storm sewer and electricity) and the slough excavation along the Colorado River. This work shall also include clearing and grubbing and the removal of concrete and asphalt. Disturbances will be limited to the areas within the property owned by the City of Grand Junction.

Material generated from the slough excavation is to be utilized in the fill section of the amphitheater. The excess material generated from excavation within the site shall be stockpiled onsite in a designated area for future use.

Final stabilization will include concrete and asphalt pavement with landscaping consisting of sod, seed, trees, shrubs and several xeriscape areas around the amphitheater, parking lots and trails shown on the included Storm Water Site Map in Appendix A.

b) The proposed sequence for major activities. Describe the sequence of events involved in the construction project, such as grading, excavation, final landscaping, etc.

1. Installation of tracking pads (Amphitheater Contractor), silt socks (Amphitheater Contractor), and earth windrow (Slough Contractor).
2. Clearing and grubbing of existing vegetation.
3. Slough excavation which includes the embankment of material at the amphitheater site.
4. Access/entry way construction along with trail construction.
5. Utility construction (water, sanitary sewer, storm sewer and electrical).
6. Vertical Construction of the amphitheater.
7. Construction of concrete curb, gutter and sidewalk.
8. Asphalt paving operations.
9. Revision of temporary Storm Water BMP's to accommodate final landscaping.
10. Complete all miscellaneous site grading in preparation of final stabilization.
11. Install landscape at all areas located behind top back of curb and sidewalk.
12. Install traffic signs and parking striping.
13. Removal of temporary BMP's and final cleaning of permanent BMP's.

c) Estimates of the total area of the site, and the area and location expected to be disturbed by clearing, excavation, grading, or other construction activities.

Entire Lot: 53.85 Acres. Area to be disturbed: 35.18 acres.

d) A summary of any existing data used in the development of the site construction plans or SWMP that describe the soil or existing potential for soil erosion.

According to the Natural Resources Conservation Service, the property consists of two types of soils. Massadona silty clay loam, 0 to 2% slopes and Bebeevar and Green River Soils, and Riverwash, 0 to % slopes.

The type of soil at this site would be characterized as NRCS Type Ba and Ro soil. The City did have a soils investigation performed and the report is available if warranted. Information of the on-site soils was used in the development of the SWMP and BMP design.

e) A description of the existing vegetation at the site and an estimate of the percent vegetative ground cover.

Vegetation is minimal within the site boundary with exception of the slough alignment. The percentage of ground cover is estimated to be less than 20% (Native weeds & grasses).

f) The location and description of all potential pollution sources, including ground surface disturbing activities, vehicle fueling, storage of fertilizers or chemicals, etc.

During a large storm event, any sediment transported by Storm Water would most likely follow the current land contours which drain to the south/southeast to the Colorado River.

Construction operations will disturb soils causing potential for pollution. This exposed soil is a potential pollution source and will be handled with the placement of two stabilized construction entrances, installation of silt sacks at inlets on adjacent roadways and an earth windrow along the southerly boundary of the site.

The Contractor awarded the Slough Restoration Project shall be responsible for the construction of the earth windrow/berm prior to work commencing.

The Contractor awarded the Amphitheater Project which includes, but may not be limited to utility installation, amphitheater construction, roadway and parking lots, concrete trail and landscape shall be responsible for the installation of tracking pads and silt socks as shown on the Site Map. Initially the Contractor for the Access and Trail Construction will be responsible for the necessary inlet protection. Upon completion of this phase of work the Amphitheater Contractor shall place necessary inlet protection.

The Contractor awarded the Access and Trail Construction shall be responsible for the installation of silt sacks along Riverside Parkway.

Construction workers trash is a possible pollution source. The ECS shall inspect the site daily for trash that can be a pollution source to the waterways. Any loose trash on-site shall be cleaned up and properly disposed of on a daily basis.

It will be the ECS responsibility to designate a specific area for fueling construction equipment and for the portable toilet during this project. Once the ECS determine the best place for a fueling area, the ECS shall mark the location on the construction drawings herein. The fueling area shall exhibit Best Management Practices in order to minimize and/or eliminate the

potential of fuel spillage. Any spillage of fuel onto the ground shall be immediately cleaned up and the contaminated soil disposed of properly at the Mesa County Landfill. Refer to the Storm Water Management Manual.

There is the possibility that construction specific chemicals could be stored on site. These chemicals will have to be stored in a manner that protects the chemical containers from weather and the chemicals from spillage. It shall be the contractor's responsibility to protect any chemicals stored on site from spilling, leaking and wet weather. All chemicals stored on site shall be kept at least 300 feet away from the Colorado River.

g) The location and description of any anticipated allowable sources of non-Storm Water discharge at the site, e.g., uncontaminated springs, landscape irrigation return flow, construction dewatering, and concrete washout.

The contractor and/or ECS shall determine the location of the concrete washout facility prior to any concrete pours. At a minimum, the washout facility shall be at least 300-feet away from any of the surface waters present on-site. It is the responsibility of the contractor to maintain and clean out the washout facility when the capacity reaches 50%.

h) The name of the receiving water (s) and the size, type and location of any outfall(s). If the Storm Water discharge is to a municipal separate storm sewer system, the name of that system, the location of the storm sewer discharge, and the ultimate receiving water(s).

The majority of the Storm Water runoff generated from the project site will enter into a side channel of the Colorado River. The side channel conveys water to the southwest and merges with the Colorado River. The Colorado River is the ultimate receiving waters for runoff generated at the project site.

Runoff from the north side (Riverside Parkway and Struthers Avenue) will go to a curb drained by a storm inlet structure (marked on the map) to a Storm Water quality pond (marked on map), ultimately draining to the Colorado River.

The topography of the project site is relatively flat. It is believed that during construction the majority of Storm Water will not sheet flow, but instead percolate into the ground.

2. Site Map

The SWMP must include a site map showing the entire area and identifying the following components:

a) Construction site boundaries;

A construction site boundary (disturbance boundary) is shown on the Storm Water Site Map included in Appendix A.

b) All areas of ground surface disturbance;

Ground disturbance activities will be contained within the disturbance boundary shown on the Storm Water Site Map included in Appendix A.

c) Areas of cut and fill;

This project will generate approximately 45,000 cubic yards of cut material. Cut areas consist of the slough excavation (Approx. 29,000 cy) and underlying the amphitheater, parking lot and sidewalk locations.

Approximately 20,000 cy of cut material shall be utilized in the fill area of the amphitheater with the remainder being stockpile at the east end of the site as designated on the attached Storm Water Site Map.

d) Areas used for storage of building materials, equipment, soil, or waste;

Storage location of building materials, equipment, soil, or waste will be determined by the ECS. The Contractor shall note area on site map prior to implementing.

e) Locations of dedicated asphalt or concrete batch plants;

No dedicated asphalt or concrete batch plants will be located on this project site.

f) Locations of all structural BMPs;

See Storm Water Site Map in Appendix A for the locations of the structural BMP's.

g) Locations of non-structural BMPs as applicable; and

See Storm Water Site Map in Appendix A for the approximate locations of the non-structural BMP's.

h) Locations of springs, streams, wetlands and other surface waters.

See Storm Water Site Map in Appendix A for details in regards to the Las Colonias Amphitheater and Slough Construction Project.

3. Storm Water Management Controls

The SWMP must include a description of all Storm Water management controls that will be implemented as part of the construction activity to control pollutants in Storm Water discharges. The appropriateness and priorities of Storm Water management controls in the SWMP shall reflect the potential pollutant sources identified at the facility. The description of the Storm Water management controls shall address the following, at a minimum:

a) SWMP Administrator- The SWMP shall identify a specific individual(s), position, or title who is responsible for developing, implementing, maintaining, and revising the SWMP. The activities and responsibilities of the administrator shall address all aspects of the facility's SWMP.

Upon award of the contract(s) the Contractor shall designate an individual who will be responsible for the SWMP administration which shall include development, maintaining, implementing and revising the SWMP. The assigned SWMP administrator is the contact for all on-site SWMP-related issues and is the person responsible for its accuracy, completeness, and implementation, even though the "permittee" (City) carries legal reliability. The SWMP Administrator shall be a qualified Erosion Control Supervisor, per 5-2-1 Drainage Authority policy.

The Contractor awarded the Slough Restoration Project shall be responsible for the construction of the earth windrow/berm prior to work commencing.

The Contractor awarded the Amphitheater Project which includes, but may not be limited to utility installation, amphitheater construction, roadway and parking lots, concrete trail and landscape shall be responsible for the installation of tracking pads and silt socks as shown on the Site Map. Initially the Contractor for the Access and Trail Construction will be responsible for the necessary inlet protection. Upon completion of this phase of work the Amphitheater Contractor shall place necessary inlet protection.

The Contractor awarded the Access and Trail Construction shall be responsible for the installation of silt sacks along Riverside Parkway.

b) Identification of Potential Pollution Sources- All potential pollutant sources, including materials and activities, at a site must be evaluated for the potential to contribute pollutants to Storm Water discharges. The SWMP shall identify and describe those sources determined to have the potential to contribute pollutants to Storm Water discharges, and the sources must be controlled through BMP selection and implementation, as required in paragraph (c) below. At a minimum each of the following sources and activities shall be evaluated for the potential to contribute pollutants to Storm Water discharges, and identified in the SWMP if found to have such potential:

1) all disturbed and stored soils;

Disturbed soils will be present during this project and will have the potential to contribute sediment to Storm Water runoff and contribute to windblown dust. All disturbed soils will be confined by the constructed earth windrow (berm) and all other necessary BMP's as shown on the SWMP within the construction plans or where deemed appropriate to protect the Colorado River from sediment runoff. As soon as it is practical, the Contractor shall start the final stabilization process.

Stockpiled materials will have adequate erosion protection at the base of the stockpile. ECS shall specify on the Site Map.

2) vehicle tracking of sediments;

Vehicle tracking of sediments is a potential pollutant source in Storm Water on this project.

A Stabilized construction entrance (tracking pad) shall be employed during construction. Refer to Storm Water Management Manual.

3) management of contaminated soils;

Presence of uranium mill tailings are an anticipated contaminate within the site. At no time will any material be permitted to leave the site. Excess material generated during construction shall be stockpiled in a designated area with the necessary BMP's implemented. The City has been in close contact with CDPHE throughout design and planning for the site management.

Any spillage of fuel or hydraulic fluid onto the ground shall be immediately cleaned up and the

contaminated soil disposed of properly at the Mesa County Landfill. The City of Grand Junction's Hazardous Materials Division shall be immediately contacted upon any major spillage of hazardous material. Call 970-244-1470 for Hazardous Material spills.

4) loading and unloading operations;

Loading and unloading operations will occur during this project and have the potential to contribute to dust and vehicle tracking onto the streets. Stabilized construction entrances (tracking pads) shall be employed during construction. The tracking pads shall be maintained throughout construction in order to maintain their cleaning effectiveness.

Note that no material generated from this project shall be removed from the site.

5) Outdoor storage activities (building materials, fertilizers, chemicals, etc.)

It is anticipated that the contractor will provide a construction trailer for this project. Due to the nature of this project, construction chemicals may be present on-site. Any of the materials to be installed or used for the construction of the amphiteater, parking lot and sidewalk improvements shall be stored in a designated area to be protected by 6 foot chain link fencing. Any contaminants shall be contained at all times within a spill proof and waterproof container when not being used. Chemicals shall not be stored within 300-feet of the Colorado River.

6) vehicle and equipment maintenance and fueling;

It is anticipated that equipment maintenance and possibly fueling will be done on-site. The contractor and ECS shall designate a specific location for fueling and maintenance of equipment.

7) significant dust or particulate generating processes;

The Contractor shall apply water as needed for dust control.

8) routine maintenance activities involving fertilizers, pesticides, detergents, fuels, solvents, oils, etc.;

It is anticipated that equipment maintenance and fueling will be done on-site. The contractor and ECS shall designate a specific location for fueling and maintenance of equipment. Management of contaminated soils as a result of equipment maintenance shall be handled per section 3 above, "management of contaminated soils."

9) On-site waste management practices (waste piles, liquid wastes, dumpsters, etc.);

Provide an on-site covered trash receptacle.

10) concrete truck/equipment washing, including concrete truck chute and associated fixtures and equipment;

A portable concrete washout facility may be used. Detail to be provided by the ECS.

11) dedicated asphalt and concrete batch plants;

No dedicated asphalt or concrete batch plants will be located on this project site.

12) non-industrial waste sources such as worker trash and portable toilets;

One portable toilet is required to be on-site. Location for the portable toilet shall be at least 300-feet from the surface waters and proper precautions taking to prevent from being windblown.

13) Other areas or procedures where potential spills can occur.

No other potential Storm Water discharges are known at this time.

c) Best Management Practices. The SWMP shall identify and describe appropriate BMPs, including, but not limited to, those required by paragraphs 1 through 8 below, that will be implemented at the facility to reduce the potential of the sources identified in part b, above, to contribute pollutants to Storm Water discharges. The SWMP shall clearly describe the installation and implementation specifications for each BMP identified in the SWMP to ensure proper implementation, operation, and maintenance of the BMP.

1. Structural Practices for Erosion Control. The SWMP shall clearly describe and locate all structural practices implemented at the site to minimize erosion and sediment transport. Practices may include, but are not limited to: straw bales, wattles/sediment control logs, silt fences, earth dikes, drainage swales, sediment traps, subsurface drains, pipe slope drains, inlet protection, outlet protection, gabions, and temporary or permanent sediment basins.

1. Stabilized Construction Entrance (tracking pad): Reference the preliminary location, design, installation, and maintenance of the tracking pad on the Storm Water Site Map. The tracking pad may need to be lengthened during construction if the dimensions provided in the plans are not adequate for sediment removal from vehicle tires. The tracking pad need to be installed before any construction vehicles start entering and leaving the site for hauling operations.
2. Earth Windrow (Berm): Reference the location, design, installation, and maintenance of the berm on the Storm Water Site Map. The contractor shall construct berm per the details shown on the Storm Water Site Map. It is the responsibility of the contractor to maintain the berm when/if damaged.
3. Concrete Washout Facility: The contractor and/or ECS shall determine the location of the concrete washout facility prior to any concrete pours. At a minimum, the washout facility shall be at least 300-feet away from any of the surface waters present on-site. It is the responsibility of the contractor to maintain the washout facility.
4. Silt Sack (Inlet Protection): Shall be installed at locations shown on SWAP map. Regular maintenance/cleaning is required throughout construction.

2) Non-Structural Practices for Erosion and Sediment Control. The SWMP shall clearly describe and locate, as applicable, all non-structural practices implemented at the site to minimize erosion and sediment transport. Description must include interim and permanent stabilization practices, and site-specific scheduling for implementation of the practices. The SWMP should include practices to ensure that existing vegetation is preserved where possible. Non-structural practices may include, but are not limited to: temporary vegetation, permanent vegetation, mulching, geotextiles, sod stabilization, slope roughening, vegetative buffer strips, protection of trees, and preservation of mature vegetation.

1. Dust Abatement: Watering operations to reduce windborne dust. Dust abatement will be used throughout the course of this construction project.

2. Landscaping: Structural BMP's will be completed with landscaping.
3. Preserving Native Vegetation: Minimize existing vegetation disturbance.

3) Phased BMP Implementation The SWMP shall clearly describe the relationship between the phases of construction, and the implementation and maintenance of both structural and non-structural Storm Water management controls. The SWMP must identify the Storm Water management controls to be implemented during the project phases, which can include, but are not limited to, clearing and grubbing; road construction; utility and infrastructure installation; vertical construction; final grading; and final stabilization.

1. Slough Excavation/Material Embankment: The Contractor shall construct the windrow/berm prior to clearing and grubbing, slough construction and placement of embankment. During construction of the slough the downstream end at the Colorado River shall not be excavated until this phase of work is complete. This earth dam will serve as a BMP preventing any sediment from making its way into the Colorado River. A maintenance and fueling location shall be identified prior to work commencing and shall be note on the SWAMP map.
2. Amphitheater and site civil construction (utilities, roadways, parking lots, sidewalk, etc.): The contractor shall install tracking pads and siltsacks as shown on the Storm Water Site Map. The windrow/berm shall be in place prior to this phase. This work shall include, but may not be limited to the locations identified for maintenance and fueling operations, trash receptacles, sanitary facility, concrete washout, material storage and any other necessary controls for construction operations.

4) Materials Handling and Spill Prevention. The SWMP shall clearly describe and locate all practices implemented at the site to minimize impacts from procedures or significant materials that could contribute pollutants to runoff. Such procedures or significant materials could include: exposed storage of building materials; paints and solvents; fertilizers or chemicals; waste material; and equipment maintenance or fueling procedures. Areas or procedures where potential spills can occur must have spill prevention and response procedures identified in the SWMP.

Presence of uranium mill tailings are an anticipated contaminate within the site. At no time will any material be permitted to leave the site. Excess material generated during construction shall be stockpiled in a designated area with the necessary BMP's implemented.

The City has been in close contact with CDPHE throughout design and planning for the site management. Any spillage of fuel or hydraulic fluid onto the ground shall be immediately cleaned up and the contaminated soil disposed of by direction of the Project Engineer as well as a representative of the CDPHE. The City of Grand Junction's Hazardous Materials Division shall be immediately contacted upon any major spillage of hazardous material. Call 970-244-1470 for Hazardous Material spills. Refer to the Storm Water Management Manual.

The contractor will be responsible for providing spill clean-up materials and spill prevention and response procedures. The spill prevention and pollution control plans developed by the contractor must be available on-site at all times. The ECS shall refer to section 208.06, Materials Handling and Spill Prevention, of the CDOT specifications for developing the materials and spill prevention response procedure.

5) Dedicated Concrete or Asphalt Batch Plants. The SWMP shall clearly describe and locate all practices implemented at the site to control Storm Water pollution from dedicated concrete batch plants or dedicated

asphalt batch plants covered by this certification.
No dedicated asphalt or concrete batch plants will be located on this project site.
6) <u>Vehicle Tracking Control</u>. The SWMP shall clearly describe and locate all practices implemented at the site to control potential sediment discharges from vehicle tracking. Practices must be implemented for all areas of potential vehicle tracking, and can include: minimizing site access; street sweeping or scraping; tracking pads; graveled parking areas; requiring that vehicles stay on paved areas on-site; wash racks; contractor education; and/or sediment control BMPs, etc.
During construction there will be two designated locations for access to the project site. These locations have been identified on the Storm Water Site Map. Tracking pads shall be installed to the minimum dimensions and details shown on the Storm Water Site Map.
7) <u>Waste Management and Disposal, Including Concrete Washout.</u> The SWMP shall clearly describe and locate the practices implemented at the site to control Storm Water pollution from <u>all</u> construction site wastes (liquid and solid), including concrete washout activities. The practices used for concrete washout must ensure that these activities do not result in the contribution of pollutants associated with the washing activity to Storm Water runoff. The SWMP shall clearly describe and locate the practices to be used that will ensure that no washout water from concrete washout activities is discharged from the site as surface runoff or to surface waters.
The contractor will be required to provide one portable toilet for the duration of the project and it shall be maintained throughout construction. A covered trash receptacle is required. The concrete washout facility shall be at least 300-feet away from any of the surface waters present on-site. It is the responsibility of the contractor to maintain the washout facility.
8) <u>Groundwater and Storm Water Dewatering</u>. The SWMP shall clearly describe and locate the practices implemented at the site to control Storm Water pollution from the dewatering of groundwater or Storm Water from excavations, wells, etc. Part I.D.3.d of the permit authorizes the conditional discharge of construction dewatering to the ground. For any construction dewatering of groundwater not authorized under a separate CDPS discharge permit, the SWMP shall clearly describe and locate the practices to be used that will ensure that no groundwater from construction dewatering is discharged from the site as surface runoff or to surface waters.
It is anticipated that groundwater will be encountered during certain phases of construction. Dewatering operations shall consist of the water being captured and released utilizing a sprinkler or other approved methods in designated areas within the construction site. Dewatering operations shall be in compliance with Part I.D.3.d of the permit.

4. <u>Final Stabilization and Long-term Storm Water Management</u>

a) The SWMP shall clearly describe the practices used to achieve final stabilization of all disturbed areas at the site, and any planned practices to control pollutants in Storm Water discharges that will occur after construction operations have been completed at the site. b) Final stabilization practices for obtaining a vegetative cover should include, as appropriate: seed mix selection and application methods; soil preparation and amendments; soil stabilization practices (e.g. crimed straw, hydro mulch or rolled erosion control products); and appropriate sediment control BMPs as needed until final stabilization is achieved; etc.
See landscape plans for details in regards to final stabilization and BMP implementation during this phase.
c) Final stabilization is reached when all ground surface disturbing activities at the site have been completed, and uniform vegetative cover has been established within an individual plant density of at least 70 percent of pre-disturbance levels, or equivalent permanent, physical erosion reduction methods have been employed.
Final stabilization will be achieved by landscaping detailed on the landscaping plans.

5. Inspection and Maintenance Procedures

a) The SWMP shall clearly describe the inspection and maintenance procedures implemented at the site to maintain all erosion and sediment control practices and other protective practices identified in the SWMP, in good and effective operation condition.
1. The ECS shall at a minimum inspect and document the project Storm Water management system every 14 days and within 24 hours after a precipitation or snowmelt event that causes erosion.
2. The inspections shall include but not limited to observation of: • The construction site perimeter and discharge points (including discharges into a storm sewer system) • All disturbed areas and making sure the proper BMP is being used, is in the right location, and is installed per the plans. • Areas used for material/waste storage that are exposed to precipitation. • Other areas determined to have a significant potential for Storm Water pollution, such as the concrete washout facility, tracking pad, and the areas adjacent to Colorado River. • Erosion and sediment control measures identified on the Storm Water Site Map. • The inspection must determine if there is evidence of, or the potential for, pollutants entering the drainage system. • BMP's should be reviewed to determine if they still meet the design and operational criteria in the SWMP, and if they continue to adequately control the Storm Water runoff at the site.

APPENDIX A

Storm Water Site Map

APPENDIX B

Existing Site Photos (Pre-construction)

1) Looking east towards the intersection of Struthers Avenue and South 9th Street. Install stabilized construction entrance and silt sack at inlet structure.

2) Looking south from the northwest corner of proposed Las Colonias Amphitheater site. Proposed main entrance to amphitheater.

3) Photo looking east from northwest corner of proposed Las Colonias Amphitheater site. Amphitheater, parking lot and roadway to be located in this vicinity.

4) Photo looking east from the southwest corner of. proposed Las Colonias Amphitheater site.

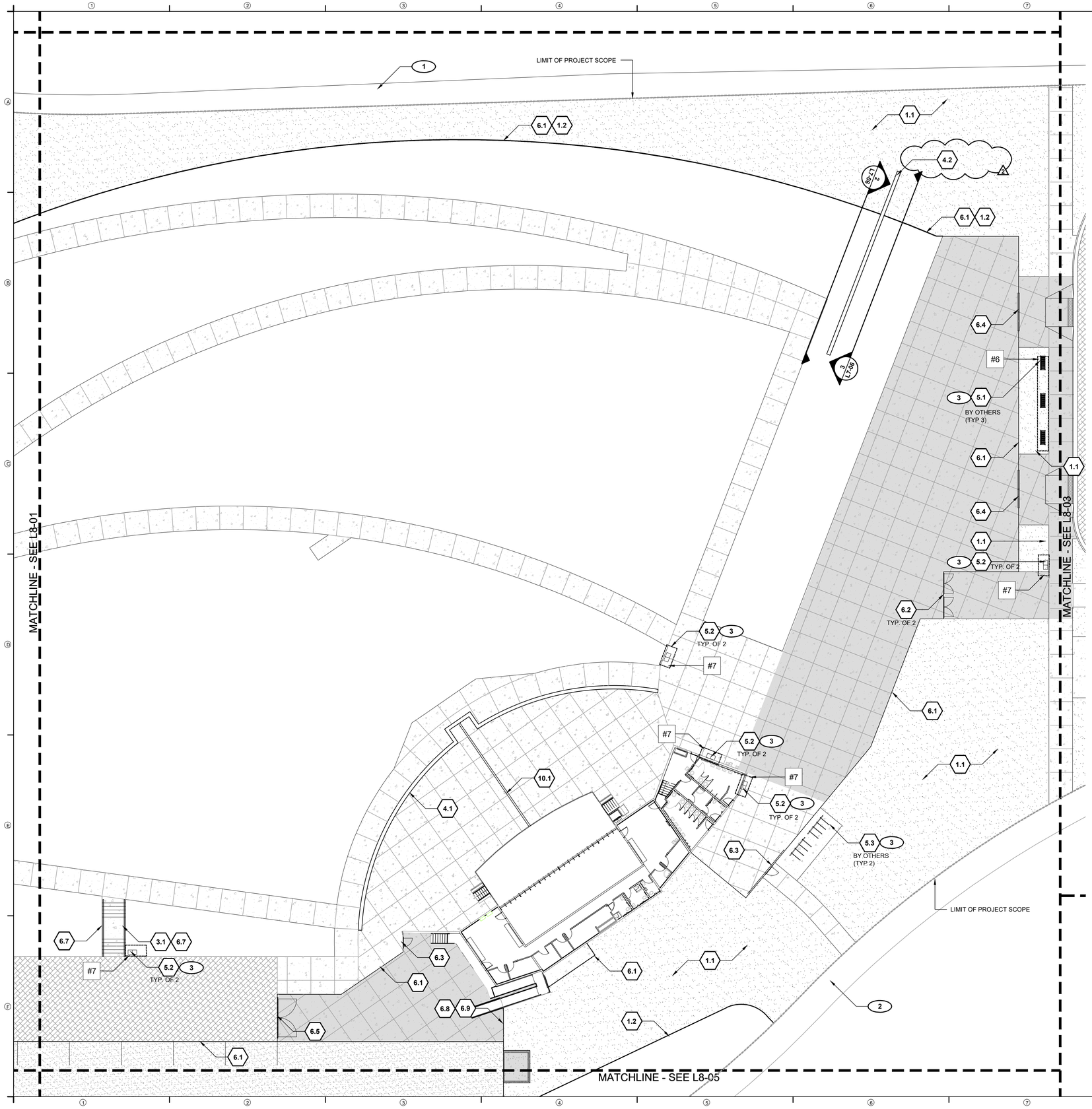
5) Looking east along the southerly boundary of project site. Construct earth windrow/berm along boundary as shown on Storm Water Site Map.

6) Looking northwest along southerly boundary of project site. Construct earth windrow/berm along boundary as shown on Storm Water Site Map.

APPENDIX D

Storm Water Inspection Forms

(Available Online)



SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Decomposed Stone Surface	1 / L7-01		321540
1.2	Metal Edger	2 / L7-01		329300
2.0	**JOINTING**			
2.1	Control Joint	5 / L7-01		
2.2	Expansion Joint	6 / L7-01		
3.0	**STEPS**			
3.1	Stairs	3 / L7-01		033000
4.0	**SITE WALLS/ EMBANKMENTS**			
4.1	Site Wall	4 / L7-01		033000
4.2	Site Retaining Wall	4 / L7-06	1&2 / L7-06	033000
5.0	**SITE FURNITURE**			
5.1	Bench - By City (Add Alt #1)			
5.2	Trash/Recycling (Add Alt #2)	1 / L7-06		129300
5.3	Bicycle Rack - By City			
6.0	**RAILINGS, BARRIERS, FENCING**			
6.1	Site Fence	1 / L7-02		323116
6.2	Pedestrian Gate - Type 1 (Double)	2 / L7-02		323116
6.3	Pedestrian Gate - Type 2 (Single)	3 / L7-02		323116
6.4	Vehicular Gate - Type 1 (Slide)	2 / L7-03		323116
6.5	Vehicular Gate - Type 2 (Double Swing)	1 / L7-03		323116
6.6	Vehicular Gate - Type 3 (Swing)	1 / L7-04		323116
6.7	Handrail	4 / L7-02		055213
6.8	Dumpster Enclosure	1 / L7-05		323116
6.9	Dumpster Enclosure Gate	2 / L7-05		323116
7.0	**SITE LIGHTING**			
	SEE LIGHTING/ELECTRICAL DRAWINGS			
8.0	**DRAINAGE**			
	SEE CIVIL DRAWINGS			
9.0	**PLANTING AND LANDSCAPE**			
	SEE PLANTING SERIES			
10.0	**MISCELLANEOUS ELEMENTS**			
10.1	Soundboard Trench Grate	7 / L7-01		334600
10.2	Sign- No Parking	3 / L7-05		101426
10.3	Sign- Event Staff Only	4 / L7-05		101426

SITE MATERIALS REFERENCE NOTES

1. Existing sidewalk
2. Relocated Riverfront Trail (by others)
3. All furnishings to be located in field by landscape architect or city representative prior to installation.
4. Emergency Access Keybox to be specified and located in field by City of Grand Junction.

BID ADD ALTERNATES

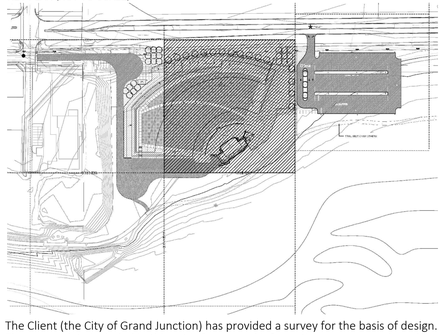
#6 5.1 Benches
The base bid excludes bench procurement and installation. The Add Alternate #6 is for the contractor to procure and install benches in the project.

#7 5.2 Trash/Recycling
The base bid excludes the procurement and installation of trash and recycling receptacles. The Add Alternate #7 is for the contractor to procure and install trash and recycling receptacles in the project.

#8 9.3 Turf (Sod)
The base bid is for sodded turf. The Add Alternate #8 is to replace sod with lawn seeding.

#9 9.1 and 9.2 Deciduous Tree Planting
The base bid excludes the procurement and installation of trees. The Add Alternate #9 is for the contractor to procure and install all trees in the project.

KEY PLAN (NOT TO SCALE)



The Client (the City of Grand Junction) has provided a survey for the basis of design. The survey data included in this set is for general information purposes only and intended to assist the Contractor in understanding the proposed design relationships and to provide a general orientation of the site. The Contractor shall be responsible for confirming and determining the suitability of the data prior to construction. Any deviations or omissions shall be brought to the attention of the Owner's Representative for clarification and direction.

NORTH

0 10 20 40
ORIGINAL SCALE: 1"=20'-00"

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LAS COLONIAS AMPHITHEATER
GRAND JUNCTION, COLORADO

MICHAEL JOE ALBERT
0000829
08/07/2009
Original Date of Licensure
STATE OF COLORADO
LICENSED LANDSCAPE ARCHITECT

ISSUE DATE: July 15, 2016

REVISIONS

#	DATE	DESCRIPTION
#2	9/6/2016	ADDENDA #2

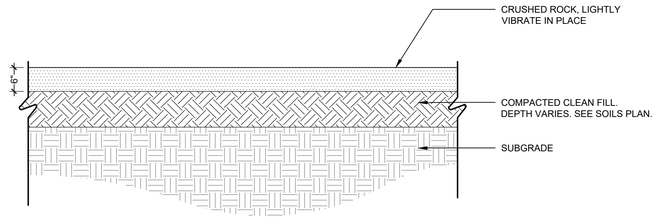
DRAWN: AA REVIEWED: PS

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 5272

SITE MATERIALS SERIES

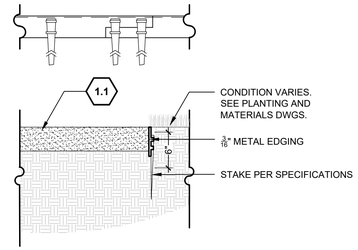
SHEET NUMBER
L3-02



1 DECOMPOSED STONE SURFACE

1" = 1'-0"

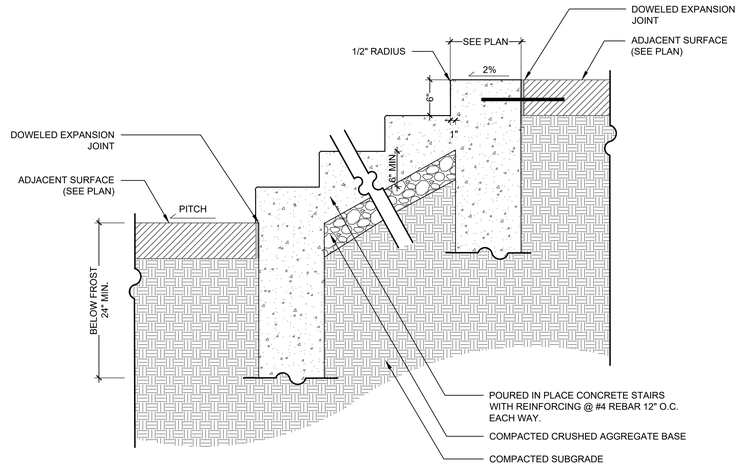
1.1



2 METAL EDGER

1" = 1'-0"

1.2

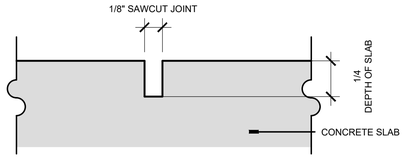


NOTE: NUMBER OF STAIRS VARIES. SEE PLANS.

3 STAIRS

1" = 1'-0"

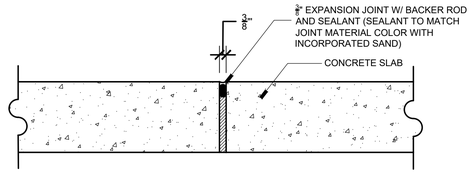
3.1



5 CONTROL JOINT

NTS

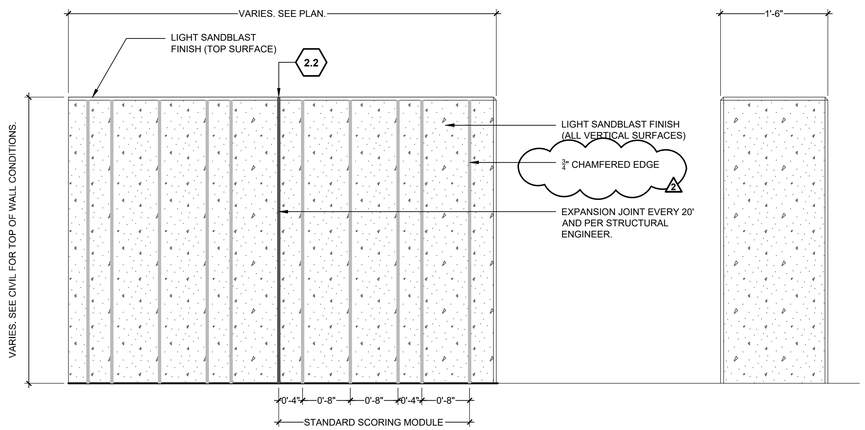
2.1



6 EXPANSION JOINT

NTS

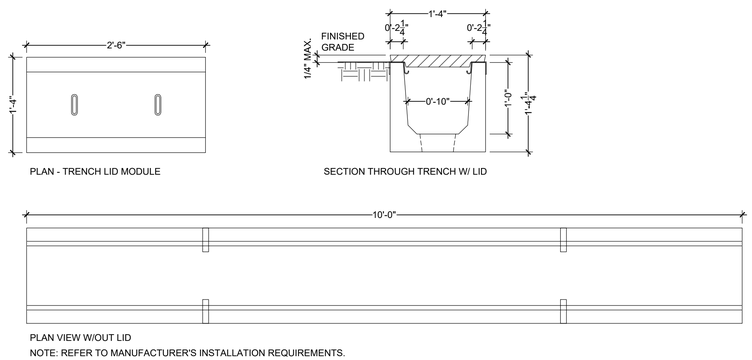
2.2



4 SITE WALL

1" = 1'-0"

4.1



7 SOUNDBOARD TRENCH GRATE

1"=1'-0"

10.1

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
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2.0	**JOINTING**			
2.1	Control Joint	5 / L7-01		
2.2	Expansion Joint	6 / L7-01		
3.0	**STEPS**			
3.1	Stairs	3 / L7-01		033000
4.0	**SITE WALLS/ EMBANKMENTS**			
4.1	Site Wall	4 / L7-01		033000
4.2	Site Retaining Wall	4 / L7-06	1&2 / L7-06	033000
5.0	**SITE FURNITURE**			
5.1	Bench - By City (Add Alt #1)			
5.2	Trash/Recycling (Add Alt #2)	1 / L7-06		129300
5.3	Bicycle Rack - By City			
6.0	**RAILINGS, BARRIERS, FENCING**			
6.1	Site Fence	1 / L7-02		323116
6.2	Pedestrian Gate - Type 1 (Double)	2 / L7-02		323116
6.3	Pedestrian Gate - Type 2 (Single)	3 / L7-02		323116
6.4	Vehicular Gate - Type 1 (Slide)	2 / L7-03		323116
6.5	Vehicular Gate - Type 2 (Double Swing)	1 / L7-03		323116
6.6	Vehicular Gate - Type 3 (Swing)	1 / L7-04		323116
6.7	Handrail	4 / L7-02		055213
6.8	Dumpster Enclosure	1 / L7-05		323116
6.9	Dumpster Enclosure Gate	2 / L7-05		323116
7.0	**SITE LIGHTING**			
	SEE LIGHTING/ELECTRICAL DRAWINGS			
8.0	**DRAINAGE**			
	SEE CIVIL DRAWINGS			
9.0	**PLANTING AND LANDSCAPE**			
	SEE PLANTING SERIES			
10.0	**MISCELLANEOUS ELEMENTS**			
10.1	Soundboard Trench Grate	7 / L7-01		334600
10.2	Sign- No Parking	3 / L7-05		101426
10.3	Sign- Event Staff Only	4 / L7-05		101426

BID ADD ALTERNATES

#6 5.1 Benches
The base bid excludes bench procurement and installation. The Add Alternate #6 is for the contractor to procure and install benches in the project.

#7 5.2 Trash/Recycling
The base bid excludes the procurement and installation of trash and recycling receptacles. The Add Alternate #7 is for the contractor to procure and install trash and recycling receptacles in the project.

#8 9.3 Turf (Sod)
The base bid is for sodded turf. The Add Alternate #8 is to replace sod with lawn seeding.

#9 9.1 and 9.2 Deciduous Tree Planting
The base bid excludes the procurement and installation of trees. The Add Alternate #9 is for the contractor to procure and install all trees in the project.

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LAS COLONIAS AMPHITHEATER
GRAND JUNCTION, COLORADO

MICHAEL JOE ALBERT 0000829 08/07/2009 Original Date of Licensure STATE OF COLORADO LICENSED LANDSCAPE ARCHITECT

ISSUE DATE: July 15, 2016

REVISIONS

#	DATE	DESCRIPTION
#2	9/6/2016	ADDENDA #2

DRAWN: AA REVIEWED: PS

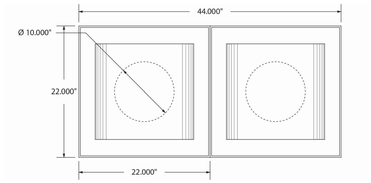
100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 5272

SITE DETAILS

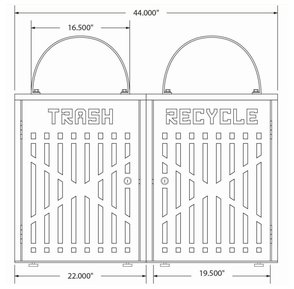
SHEET NUMBER

L7-01

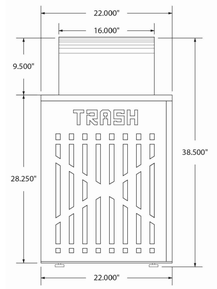


NOTE: SURFACE MOUNT PER MANUFACTURER.

PLAN



FRONT



SIDE

1 TRASH/RECYCLING

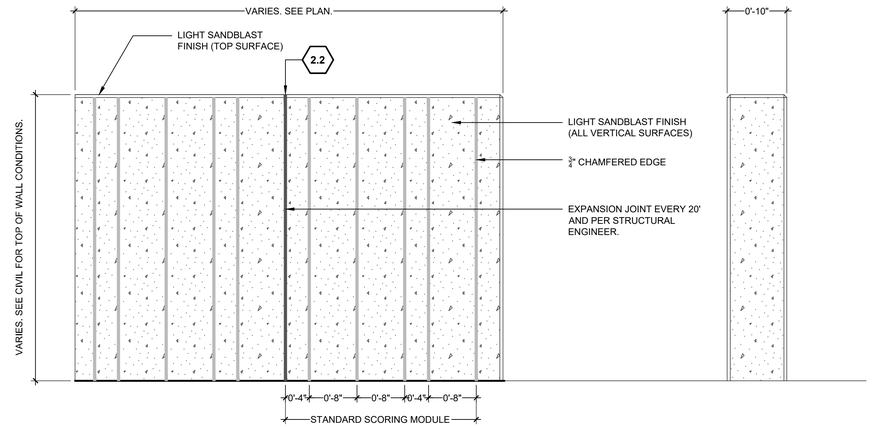
1"=1'-0"

5.2

#7

BID ADD ALTERNATES

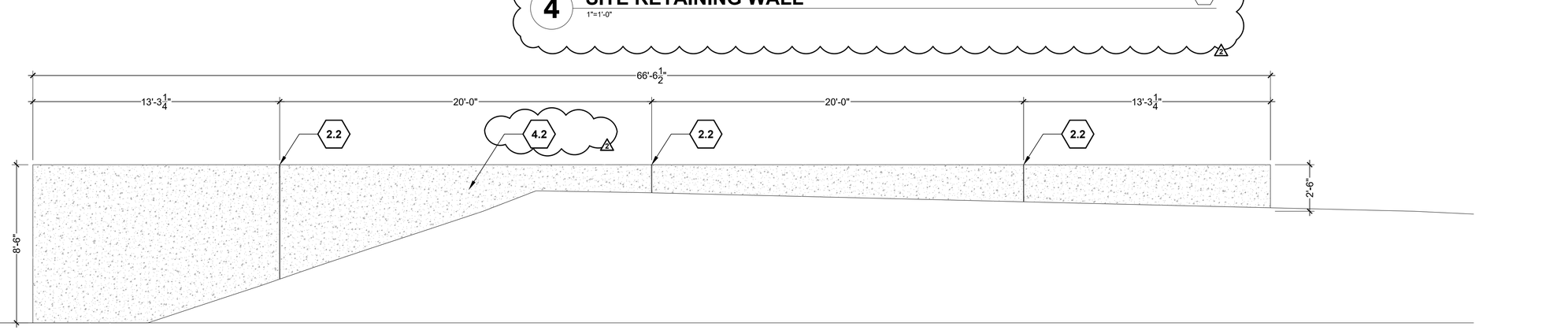
#6	5.1 Benches The base bid excludes bench procurement and installation. The Add Alternate #6 is for the contractor to procure and install benches in the project.
#7	5.2 Trash/Recycling The base bid excludes the procurement and installation of trash and recycling receptacles. The Add Alternate #7 is for the contractor to procure and install trash and recycling receptacles in the project.
#8	9.3 Turf (Sod) The base bid is for sodded turf. The Add Alternate #8 is to replace sod with lawn seeding.
#9	9.1 and 9.2 Deciduous Tree Planting The base bid excludes the procurement and installation of trees. The Add Alternate #9 is for the contractor to procure and install all trees in the project.



4 SITE RETAINING WALL

1"=1'-0"

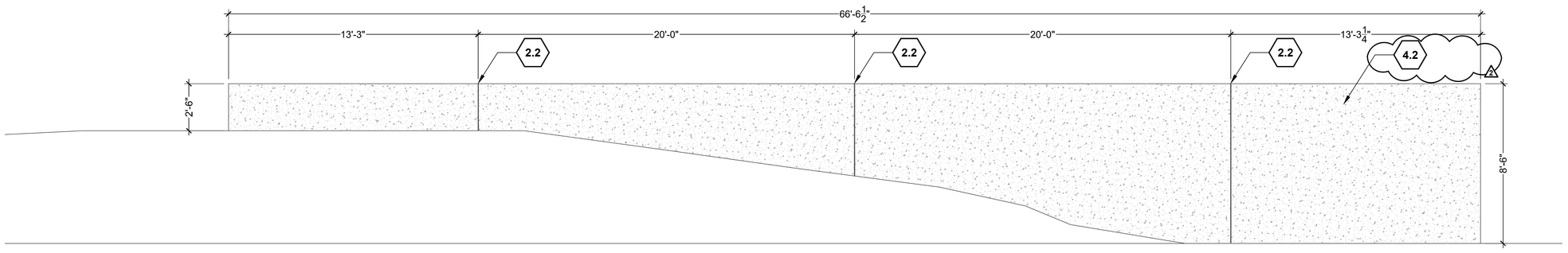
4.2



2 WALL LOOKING EAST

1"=1'-0"

4.1



3 WALL LOOKING WEST

1"=1'-0"

4.1

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Decomposed Stone Surface	1 / L7-01		321540
1.2	Metal Edger	2 / L7-01		329300
2.0	**JOINTING**			
2.1	Control Joint	5 / L7-01		
2.2	Expansion Joint	6 / L7-01		
3.0	**STEPS**			
3.1	Stairs	3 / L7-01		033000
4.0	**SITE WALLS/ EMBANKMENTS**			
4.1	Site Wall	4 / L7-01		033000
4.2	Site Retaining Wall	4 / L7-06	1&2 / L7-06	033000
5.0	**SITE FURNITURE**			
5.1	Bench - By City (Add Alt #1)			
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LAS COLONIAS AMPHITHEATER

GRAND JUNCTION, COLORADO

ISSUE DATE: July 15, 2016

REVISIONS

#	DATE	DESCRIPTION
#2	9/6/2016	ADDENDA #2

DRAWN: AA REVIEWED: PS

100% CONSTRUCTION DOCUMENTS

PROJECT NUMBER: 5272

SITE DETAILS

SHEET NUMBER

L7-06

PROJECT NO. _____

DURING CONSTRUCTION (TEMPORARY MEASURES)

1. INLET BASIN PROTECTION –PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL INSTALL A TEMPORARY INLET BASIN FILTER. THE INLET BASIN FILTERS SHALL REMAIN IN PLACE UNTIL THE PROJECT HAS BEEN COMPLETELY PAVED AND ALL DIRT MOVING OPERATIONS ARE COMPLETE. THE FILTERS SHALL BE MAINTAINED BY THE CONTRACTOR, AND THE FILTER SHALL BE EITHER REPLACED OR CLEANED WHEN THE FILTER CAPACITY REACHES 50% OF THE TOTAL CAPACITY.
2. VEHICLE TRACKING –THE CONTRACTOR SHALL STAGE DAILY USE VEHICLES ON EXISTING ASPHALT SURFACE AS MUCH AS POSSIBLE TO LIMIT VEHICLE TRACKING ONTO ROADWAY SURFACE. AS A MINIMUM A VEHICLE TRACKING PAD SHALL BE INSTALLED AT THE ENTRANCE/EXIT TO THE PROPOSED PARKING LOT.

AFTER CONSTRUCTION (PERMANENT MEASURES)

1. SODING/SEED/XERISCAPE– AREAS DISTURBED BEHIND THE TOP BACK OF CURB AND SIDEWALK SHALL BE STABILIZED UTILIZING ONE OF THE THREE METHODS MENTIONED OR AS DIRECTED PER PLAN.

GENERAL NOTES:

1. THE SWMP ESTABLISHES THE MINIMUM ACCEPTABLE REQUIREMENTS FOR STORM WATER POLLUTION PREVENTION ON SITE. THE CONTRACTOR MAY SUPPLEMENT THESE REQUIREMENTS AS APPROPRIATE FOR SPECIFIC CONSTRUCTION ACTIVITIES AND DIFFERENT STAGES OF CONSTRUCTION. ANY CHANGES TO THE PRACTICES SHOWN ON THIS PLAN MUST BE REVIEWED BY THE PROJECT INSPECTOR/MANAGER PRIOR TO IMPLEMENTATION.
2. A COPY OF THE SWMP, STORM WATER PERMITS AND CONSTRUCTION PLANS SHALL BE MAINTAINED ON SITE AT ALL TIMES.

RESPONSIBLE CONTRACTOR

1. THE SLOUGH CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE EARTH WINDROW/BERM. SEE BMP #1.
2. THE AMPHITHEATER AND SITE CIVIL CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF TRACKING PADS AND THE INSTALLATION OF SILT SACKS. SEE BMP #2.
3. THE ACCESS AND TRAIL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF SILT SACKS ASSOCIATE WITH THE PROJECT. SEE BMP #3.

MAINTENANCE

1. THE CONTRACTOR'S EROSION CONTROL SUPERVISOR 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 BY THE EROSION CONTROL SUPERVISOR. 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 (CHECK DAM, SILT FENCE, ANCHORED STRAW BALE OR EROSION CONTROL LOG).
4. WHEN TEMPORARY MEASURES ARE TO BE REMOVED, ANY SILT AND SEDIMENT DEPOSITS SHALL BE REMOVED AND SPREAD EVENLY IN FILL AREAS.

GENERAL NOTES

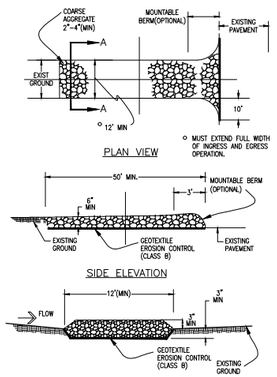
1. AT ALL TIMES DURING CONSTRUCTION, EROSION AND SEDIMENT CONTROL SHALL BE MAINTAINED BY THE CONTRACTOR OR HIS EROSION CONTROL SUPERVISOR.
2. EROSION CONTROL SYSTEM SHALL BE INSTALLED AS GRADING PROGRESSES.
3. DETAILS SHOWN ARE SCHEMATIC ONLY. ADJUST AS NECESSARY TO FIT FIELD CONDITIONS.
4. NEGATIVE IMPACTS TO DOWNSTREAM AREAS (OR RECEIVING WATERS) CAUSED BY THE SLOPE GRADING TO BE MONITORED AND CORRECTED BY THE CONTRACTOR AND/OR EROSION CONTROL SUPERVISOR.

NOTE:

1. THE CONTRACTOR SHALL MAINTAIN THIS SET OF SWMP PLANS FOR REDLINING AND CONTINUOUSLY UPDATING THE PLANS TO SHOW THE CURRENT BMP'S BEING USED AND WHY. THIS REDLINED SET OF THE SWMP SHALL BE KEPT ONSITE AT ALL TIMES AND AVAILABLE FOR INSPECTION BY THE PROJECT ENGINEER, PROJECT INSPECTOR AND REGULATORY ENFORCEMENT PERSONNEL.
2. BEFORE CONSTRUCTION STARTS, THE ECS AND THE CONTRACTOR NEED TO DETERMINE THE MOST LOGICAL LOCATION FOR THE EQUIPMENT FUELING AND MAINTENANCE AREA. THE FUELING AND MAINTENANCE AREA NEEDS TO BE A MINIMUM OF 100–FEET AWAY FROM ANY SURFACE WATER FEATURE. THE ECS SHALL LABEL ON THE SWMP THE LOCATION OF THE FUELING/MAINTENANCE AREA.

GENERAL NOTES:

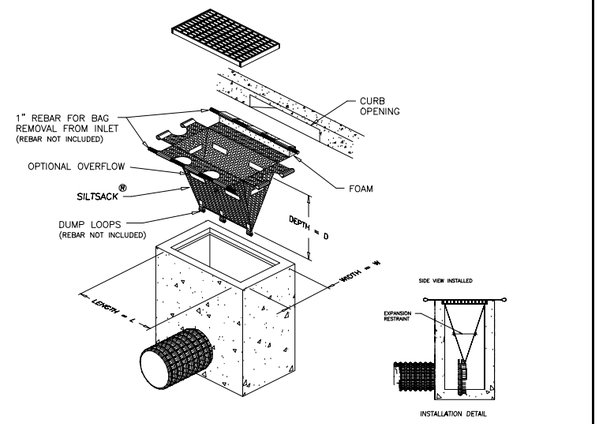
1. THE CONTRACTOR SHALL ASSIGN TO THE PROJECT AN INDIVIDUAL TO SERVE IN THE CAPACITY OF THE EROSION CONTROL SUPERVISOR (ECS). THE ECS SHALL BE EXPERIENCED IN ALL ASPECTS OF CONSTRUCTION AND HAVE SATISFACTORILY COMPLETED AN ECS TRAINING PROGRAM AUTHORIZED BY THE 521 DRAINAGE AUTHORITY. PROOF THAT THIS REQUIREMENT HAS BEEN MET SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CONSTRUCTION STARTING. THE ECS SHALL ACT AS THE SWMP ADMINISTRATOR ON THE PROJECT.
2. THE CONTRACTOR MAY USE AN AREA ON SITE DESIGNATED AT THE PRECONSTRUCTION MEETING FOR CONSTRUCTION STAGING AND MATERIALS STORAGE. THE CONTRACTOR MAY OBTAIN OTHER AREAS FOR STAGING AND STORAGE, BUT WILL HAVE TO AMEND THE STORM WATER MANAGEMENT PLAN ACCORDINGLY.
3. THE CONTRACTOR CAN EXCAVATE A BASIN FOR THE WASHING OUT OF CONCRETE TRUCKS. WATER FROM THE BASIN MAY BE APPLIED TO THE ROADWAY BASE OR SUBBASE, OUTSIDE OF AREAS TO BE SEEDED OR LANDSCAPED, IN A MANNER SO THE WATER DOES NOT POND OR FLOW OFF. A PORTABLE CONCRETE WASHOUT FACILITY IS ALSO ACCEPTABLE.
4. THE CONTRACTOR SHALL KEEP ALL FUELING AND LUBRICATING OPERATIONS ON THE EAST SIDE OF LEACH CREEK AT LEAST 50 FEET EAST OF DRAINAGE CHANNEL. BECAUSE INDIVIDUAL BMP'S ARE NOT SHOWN FOR EACH LOCATION, THE CONTRACTOR SHALL NOTE ON THE CONSTRUCTION PLANS THE LOCATIONS AND TYPES OF BMP'S AS THEY ARE INSTALLED AND IMPLEMENTED.
5. PROVIDE SEDIMENT MIGRATION CONTROLS FOR ALL STOCKPILES OF MATERIALS USING WATTLES, SILT FENCES, GRADING CONTROLS, AND OTHERS.
6. PREVENT WIND EROSION VIA DUST CONTROL MEASURES. PROVIDE STREET SWEEPING FOR FUGITIVE SEDIMENT NOT CONTAINED VIA OTHER BMP'S.
7. MANAGE STORMWATER RUN–ON USING MEASURES SUCH AS EROSION LOGS, WATTLES, GRADING CONTROLS, BYPASSES AND OTHERS.
8. PROTECT ALL INLETS WITH INLET SILT SACKS PER DETAIL.



STABILIZED CONSTRUCTION ENTRANCE

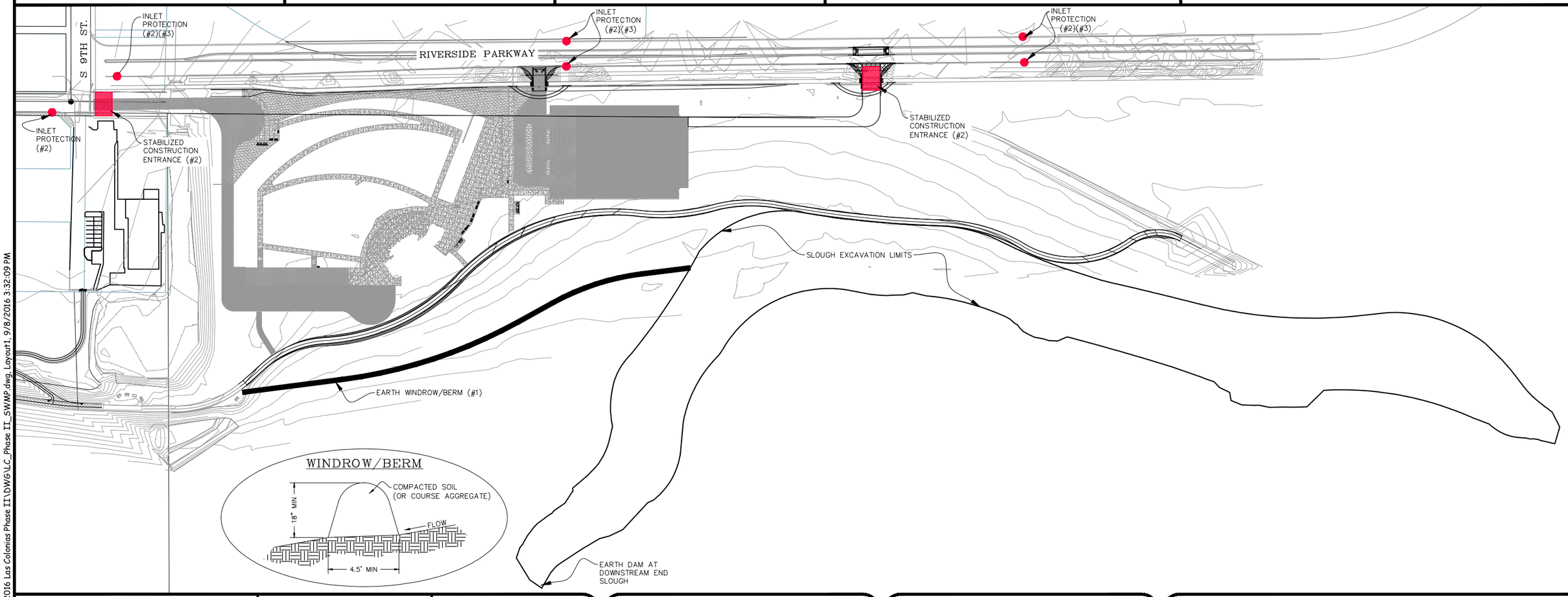
NTS

Contractor shall construct a stabilized construction entrance at this location.



NOTE: THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

SILTSACK OR EQUIVALENT



WINDROW/BERM

DESCRIPTION	DATE
REVISION △	–
REVISION △	–
REVISION △	–
REVISION △	–

DRAWN BY HMC DATE 2016
DESIGNED BY JKT DATE 2016
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

SCALES:
PLAN & PROFILE
HORIZONTAL 0 50 100 200
VERTICAL

CITY OF Grand Junction COLORADO

PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

LAS COLONIAS STORM WATER SITE MAP

1

N:\Landproj\2016 Las Colonias Phase II\DWG\LC_Phase II_SWMP.dwg, Layout1, 9/8/2016 3:32:09 PM

RADON SYSTEM NOTES

1. RADON SYSTEM SHALL MEET ALL THE REQUIREMENTS OF COLORADO DEPARTMENT OF PUBLIC HEATH – URANIUM MILL TAILINGS MANAGEMENT PLAN (MAY 2015).
2. PROVIDE A 4" LAYER OF 1/2" TO 3/4" CLEAN WASHED GRAVEL UNDER THE FLOOR SLAB.
3. PROVIDE 10 MIL HDPE SHEETING ON TOP OF GRAVEL AND BELOW CONCRETE FLOR SLAB. SHEETING SHALL EXTEND UP THE FOUNDATION WALLS AND SEAL TO WALL.
4. ALL PENETRATIONS THROUGH PLASTIC SHEETING SHALL BE SEALED WITH APPROVE TAPE.
5. UNDERFLOOR PIPING SHALL BE 4" CORRUGATED PERFORATED ADS PIPE. PERFORATED PIPE SHALL HAVE A MINIMUM OF TEN (10) 3/4" DIAMETER PERFORATIONS PER FOOT.
6. VENT PIPE SHALL BE SCHEDULE 40 DWV PVC PIPE.
7. ALL PENETRATIONS THROUGH FLOOR SHALL BE SEALED WITH POLYURETHANE CAULKING.
8. ALL COLD JOINTS IN CONCRETE FLOOR SHALL BE SEALED WITH POLYURETHANE CAULKING.
9. ALL SAWED CUT CONTROL JOINTS SHALL BE SEALED WITH POLYURETHANE CAULKING.
10. EXTEND VENT PIPE A MINIMUM OF 12" ABOVE ROOF. PROVIDE 1/2" BIRD SCREEN OVER OPENING OF PIPE.
11. RADON VENTILATION FAN SHALL BE LOCATE NEAR ROOF.
12. ALL EXPOSED PIPING SHALL BE PROPERLY APPROVED LABELED AS A RADON SYSTEM.
13. INSTALL A RADON U-TUBE MANOMETER ON VERTICAL EXPOSED VENT PIPE.
14. BUILDING SHALL BE RADON TESTED PRIOR TO OCCUPANCY.

KEYED REFERENCE NOTES

1 CORROGATED PERFORATED PVC PIPE BELOW FLOOR.

2 LOCATE EXHAUST FAN BELOW ROOF.

3 DISCHARGE THROUGH ROOF.

4 MOUNT RADON U-TUBE MONITOR ON VENT PIPE.

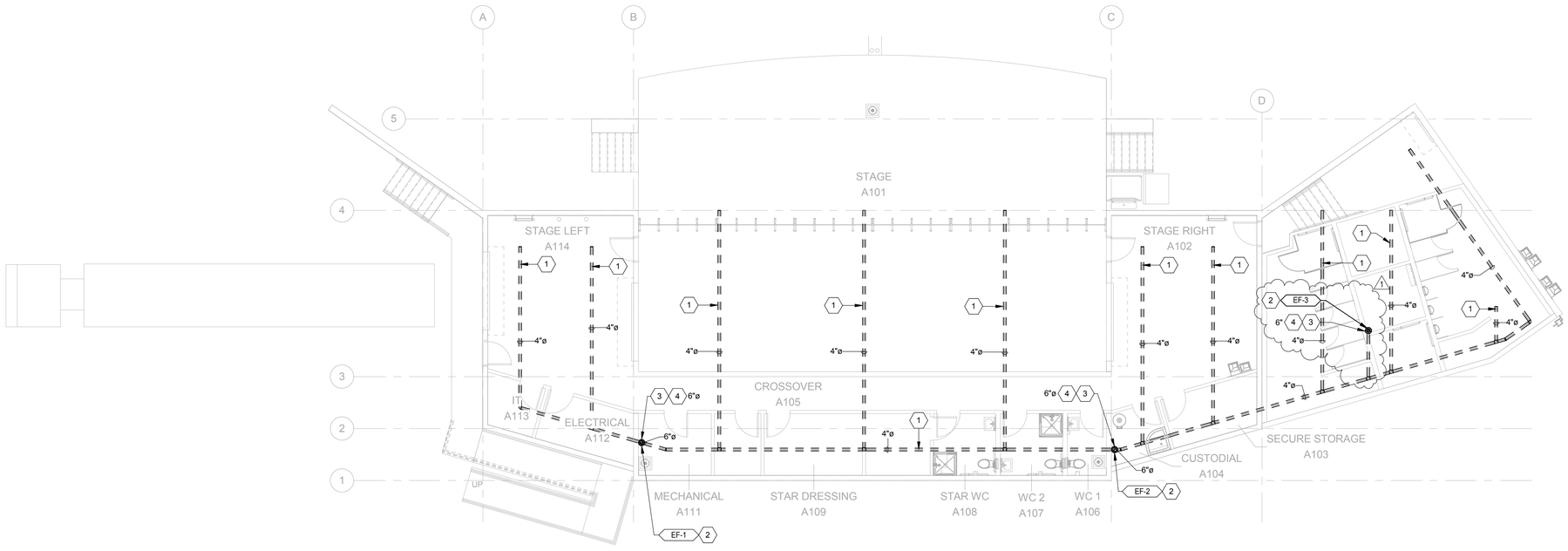
RADON SUBMITTAL

1 CORROGATED PERFORATED PIPE.

2 VENT PIPE.

3 VENTILATION FAN.

4 RADON U-TUBE MONITOR.



1 STAGE LEVEL MECHANICAL RADON SYSTEM
1/8" = 1'-0"

COLORADO REGISTERED
RAY W. MOORE
PE 20545
STATE OF COLORADO
09/07/2016

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METHOD STUDIO INC.

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consultant:
DESIGNWORKSHOP

project:
LAS COLONIAS AMPHITHEATER

Grand Junction, CO
CITY OF Grand Junction COLORADO

project#: 14.0650
date: July 15, 2016

revisions :
1 Bidding Questions 09/07/2016

title:
STAGE LEVEL MECH. RADON SYSTEM

sheet:
MH103

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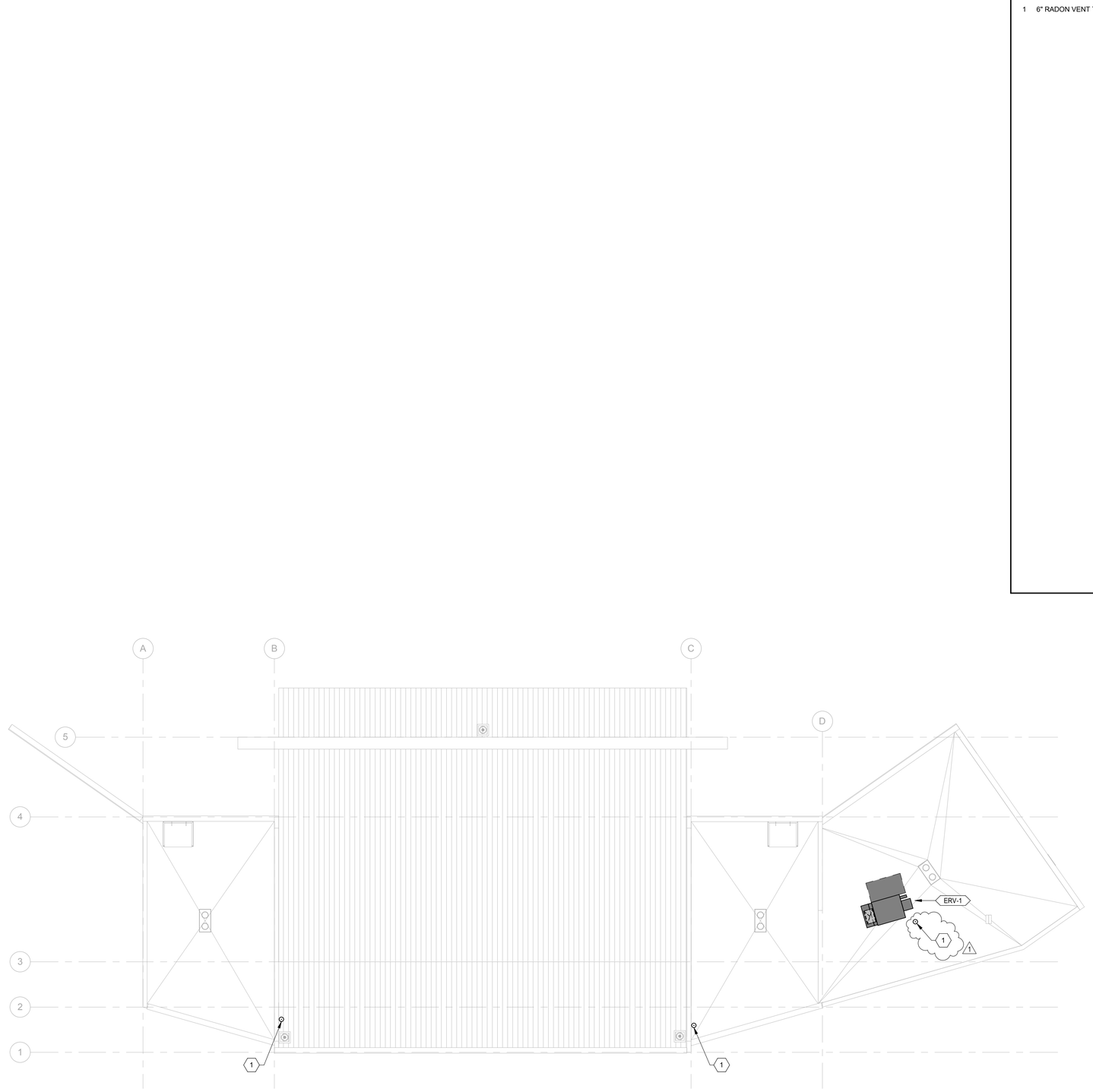
KEYED REFERENCE NOTES

1 6" RADON VENT THROUGH ROOF WITH NON-BACKDRAFT FLUE CAP.



1 ROOF HVAC PLAN
1/8" = 1'-0"

COLORADO REGISTERED
RAY W. MOORE
PE 20545
PROFESSIONAL ENGINEER
09/07/2016

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Grand Junction, CO
CITY OF Grand Junction COLORADO

project#: 14.0650
date: July 15, 2016

revisions:
1 Bidding Questions 09/07/2016

title:
HVAC ROOF PLAN

sheet:
MH104

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KEYED REFERENCE NOTES

1 2" SANITARY SEWER VENT THROUGH ROOF.

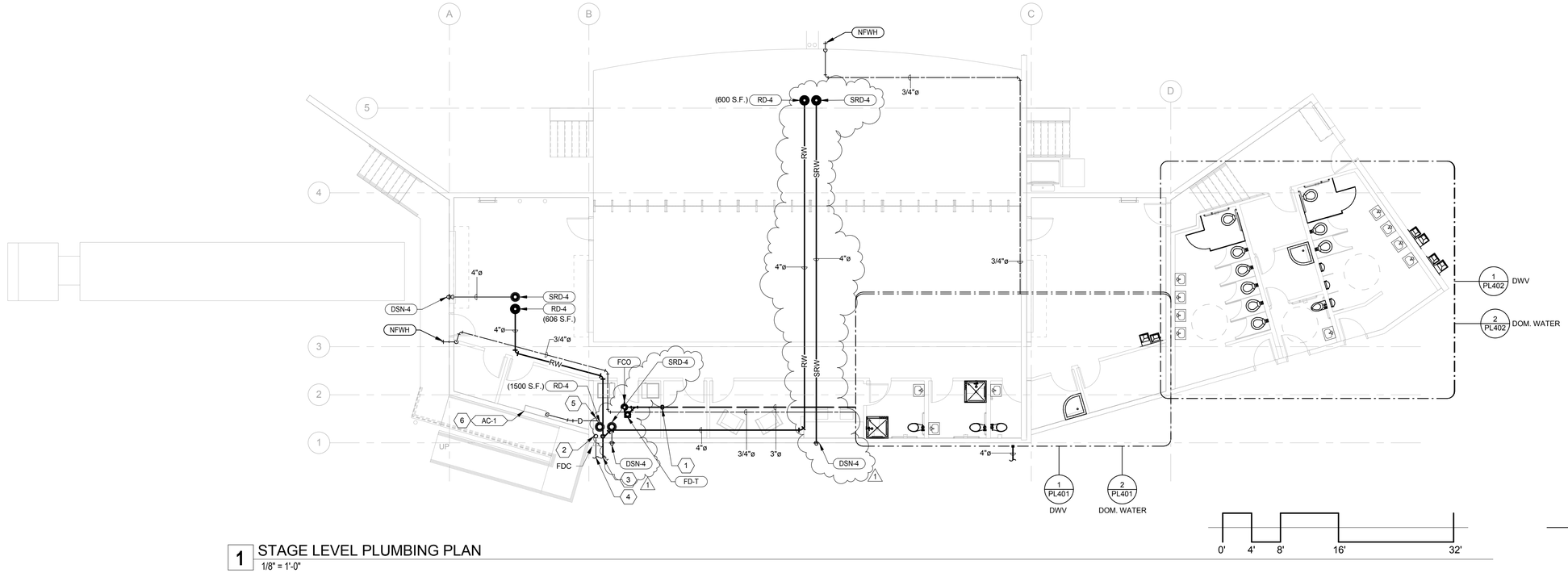
2 FIRE SPRINKLER RISER

3 RUN AND CONNECT TO SITE DRAINAGE. SEE SITE UTILITY DRAWINGS FOR EXACT LOCATION.

4 RUN AND CONNECT TO FIRE LINE. SEE SITE UTILITY DRAWINGS FOR EXACT LOCATION.

5 RUN CONDENSATE DRAIN TO FLOOR DRAIN.

6 MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS.



1 STAGE LEVEL PLUMBING PLAN
1/8" = 1'-0"

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project#: 14.0650
date: July 15, 2016

revisions:
1 Bidding Questions 09/07/2016

title:
STAGE LEVEL PLUMBING PLAN

sheet:
PL101

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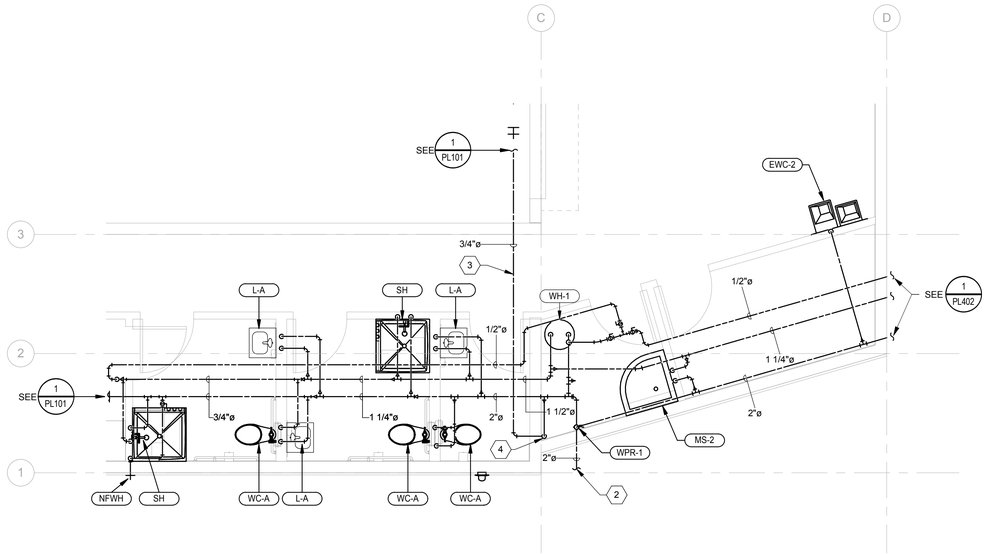
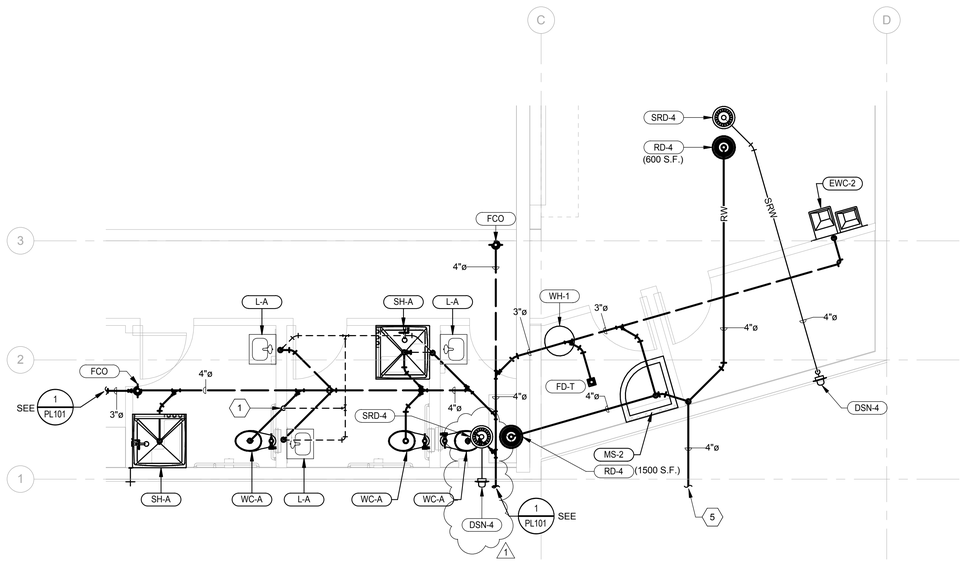


2 ENLARGED PLUMBING PLAN - DOMESTIC WATER

1/4" = 1'-0"



1 ENLARGED PLUMBING PLAN - DRAIN, WASTE & VENT

1/4" = 1'-0"

0' 4' 8' 16' 32'

north

KEYED REFERENCE NOTES

1 3" SANITARY SEWER VENT THROUGH ROOF.

2 RUN AND CONNECT TO DOMESTIC WATER SERVICE. SEE SITE UTILITY DRAWINGS FOR EXACT LOCATION.

3 RUN BELOW FLOOR.

4 PROVIDE SHUT-OFF VALVE IN RISE.

5 RUN AND CONNECT TO SITE DRAINAGE. SEE SITE UTILITY DRAWINGS FOR EXACT LOCATION.

COLORADO REGISTERED P.E. RAY W. MOORE 20545 PROFESSIONAL ENGINEER

09/07/2016

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salt lake city, utah 84101
phone:(801) 532-4422

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project:
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Grand Junction, CO

CITY OF Grand Junction COLORADO

project#: 14.0650
date: July 15, 2016

revisions:
1 Bidding Questions 09/07/2016

title:
ENLARGED PLUMBING PLANS

sheet:
PL401

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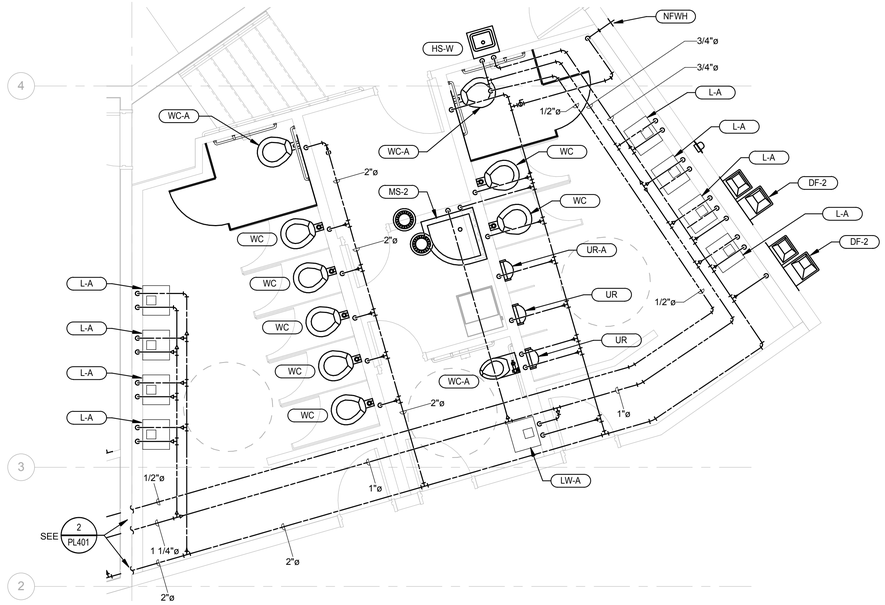
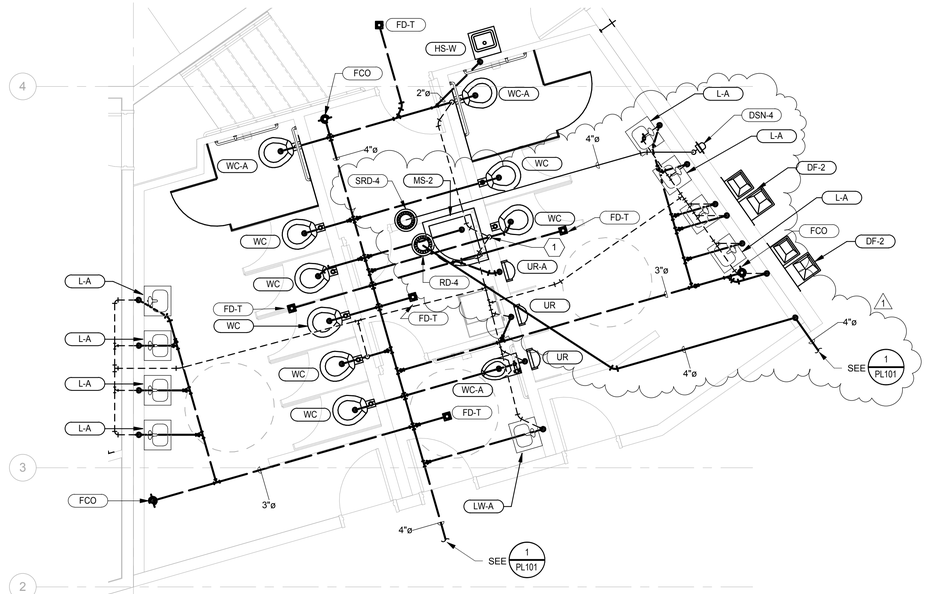


2 ENLARGED TOILET ROOMS - DOMESTIC WATER
1/4" = 1'-0"



1 ENLARGED TOILET ROOMS - DRAIN, WASTE & VENT
1/4" = 1'-0"

0' 4' 8' 16' 32'

north

KEYED REFERENCE NOTES

1 3" SANITARY SEWER VENT THROUGH ROOF.

COLORADO REGISTERED RAY W. MOORE PE 20545 PROFESSIONAL ENGINEER
09/07/2016

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METHOD STUDIO INC.
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phone:(801) 532-4422

consultant:
DESIGNWORKSHOP

project:
LAS COLONIAS AMPHITHEATER

Grand Junction, CO
CITY OF Grand Junction COLORADO

project#: 14.0650
date: July 15, 2016

revisions:
1 Bidding Questions 09/07/2016

title:
ENLARGED PLUMBING PLANS

sheet:
PL402

100% CONSTRUCTION DOCUMENTS

Bid Schedule: Las Colonias Amphitheater Site Civil Work

Addendum No. 2

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	1" Water Pipe (Sch 40 PVC)	300.	LF	$ _____	$ _____
2	108.2	4" Water Pipe (C-900 PVC)	46.	LF	$ _____	$ _____
3	108.2	6" Water Pipe (C-900 PVC)	117.	LF	$ _____	$ _____
4	108.2	8" Water Pipe (C-900 PVC)	1,573.	LF	$ _____	$ _____
5	108.2	4" Gravity Sewer Pipe (SDR 35 PVC)	20.	LF	$ _____	$ _____
6	108.2	8" Gravity Sewer Pipe (SDR 35 PVC)	869.	LF	$ _____	$ _____
7	108.2	4" Storm Drain Pipe (SDR 35 PVC)	95.	LF	$ _____	$ _____
8	108.2	12" Storm Drain Pipe (SDR 35 PVC)	286.	LF	$ _____	$ _____
9	108.2	12" Storm Drain Pipe (SDR 26 PVC)	363.	LF	$ _____	$ _____
10	108.2	15" Storm Drain Pipe (SDR 35 PVC)	406.	LF	$ _____	$ _____
11	108.2	15" Culvert End Section (Storm Drain) (Galvanized Metal)	1.	EA	$ _____	$ _____
12	108.3	8" Gate Valve	1.	EA	$ _____	$ _____
13	108.3	6" Gate Valve	1.	EA	$ _____	$ _____
14	108.3	4" Gate Valve	1.	EA	$ _____	$ _____
15	108.3	24"x8" Tapping Sleeve and Valve	1.	EA	$ _____	$ _____
16	108.3	12"x4" Tee or Sewer Tap (Storm Drain)	2.	EA	$ _____	$ _____
17	108.3	8"x6" Tee	5.	EA	$ _____	$ _____
18	108.3	8"x4" Tee	1.	EA	$ _____	$ _____
19	108.3	1"x1" Tee	6.	EA	$ _____	$ _____
20	108.3	8" 45° Elbow	6.	EA	$ _____	$ _____
21	108.3	1" 90° Elbow	2.	EA		
22	108.3	6" End Cap/Plug	1.	EA	$ _____	$ _____
23	108.3	8" End Cap/Plug	1.	EA	$ _____	$ _____
24	108.3	Fire Hydrant Assembly	4.	EA	$ _____	$ _____
25	108.3	3/4" Yard Hydrant	8.	EA	$ _____	$ _____
26	108.3	4"x8" Sewer Service Tap	2.	EA	$ _____	$ _____
27	108.3	4" Cleanout (Roof Drains)	2.	EA	$ _____	$ _____
28	108.4	1 1/2" Water Service Line (Copper Type K)	45.	LF	$ _____	$ _____
29	108.4	2" Water Service Line (Copper Type K)	60.	LF	$ _____	$ _____
30	108.4	1 1/2" Water Service Assembly	1.	EA	$ _____	$ _____
31	108.4	2" Water Service Assembly	1.	EA	$ _____	$ _____
32	108.4	1" Curb Stop (Concession Water Supply)	2.	EA	$ _____	$ _____
33	108.5	Sanitary Sewer Basic Manhole (48" I.D.)	3.	EA	$ _____	$ _____
34	108.5	Manhole Barrel Section (D>5) (60" I.D.)	9.	VLF	$ _____	$ _____
35	108.5	Sanitary Sewer Basic Manhole (60" I.D.)(Cast In Place Base) Refer to detail in Standard Contract Documents, Sheet SS-02.	1.	EA	$ _____	$ _____
36	108.5	Manhole Barrel Section (D>5) (48" I.D.)	5.	VLF	$ _____	$ _____
37	108.6	Small Area Inlet with Concrete Collar	3.	EA		
38	108.6	Inlet Box Riser Section (<5')	6.	VLF	$ _____	$ _____
39	108.7	Aggregate Base Course - Granular Stabilization Material, Type B. (Unsuitable Trench)	516.	TON	$ _____	$ _____
40	202	Removal of Structures and Obstructions - Removal of C, G and SW (Struthers Access)	Lump	SUM	- - -	$ _____

Bid Schedule: Las Colonias Amphitheater Site Civil Work

Addendum No. 2

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
41	207	Topsoil (18" Imported Clean Fill Topsoil)	5,890.	CY	$ _____	$ _____
42	208	Erosion Control (Complete in Place)	Lump	SUM	---	$ _____
43	210	Reset Structures - Reset Manhole Ring and Cover	2.	EA	$ _____	$ _____
44	304	Aggregate Base Course (14" thick Asphalt Millings)(City Supplied)	5,366.	SY	$ _____	$ _____
45	304	Aggregate Base Course (13" thick Asphalt Millings)(City Supplied)	1,946.	SY	$ _____	$ _____
46	304	Aggregate Base Course (12" thick Asphalt Millings)(City Supplied)	4,675.	SY	$ _____	$ _____
47	304	Aggregate Base Course (Class 6)(6" Thick)	7,092.	SY	$ _____	$ _____
48	304	Aggregate Base Course -Chipseal Surface	4,675.	SY	$ _____	$ _____
49	304	Subgrade Stabilization (Native Material Generated from Slough Excavation)(Complete in Place) See Detail on Plan Sheet C19.	2,500.	CY	$ _____	$ _____
50	306	Reconditioning (12" Deep)	12,055.	SY	$ _____	$ _____
51	401	Hot Mix Asphalt (4" Thick)(Grading SX, Binder Grade PG 64-22)	5,366.	SY	$ _____	$ _____
52	401	Hot Mix Asphalt (3" Thick)(Grading SX, Binder Grade PG 64-22)	1,946.	SY	$ _____	$ _____
53	608	Concrete Curb and Gutter (24" Wide)	619.	LF	$ _____	$ _____
54	608	Concrete Curb with Spill Gutter (24" wide)	586.	LF	$ _____	$ _____
55	608	Sidewalk Drain trough	5.	LF	$ _____	$ _____
56	608	Concrete Sidewalk (5" thick)	4,300.	SY	$ _____	$ _____
57	608	Concrete Paving (6" thick)	2,076.	SY	$ _____	$ _____
58	608	Concrete Stairs	72.	SY	$ _____	$ _____
59	608	Concrete Driveway Section (8" thick)	79.	SY	$ _____	$ _____
60	608	Concrete Curb Ramp	39.	SY	$ _____	$ _____
61	608	Concrete Intersection Corner	5.	SY	$ _____	$ _____
62	608	Detectable Warning (Cast Iron)(wet set)	110.	SF	$ _____	$ _____
63	625	Construction Surveying	Lump	SUM	---	$ _____
64	626	Mobilization	Lump	SUM	---	$ _____
MCR		Minor Contract Revisions	---	---	---	$ 50,000.00

Bid Amount: $ _____

Bid Amount:

_____ **dollars**

65	BID ALTERNATE No. 10	Concrete Paving (6" Thick) In Place of HMA at South Concession Area.	834.	SY	$ _____	$ _____

Bid Alternate No. 10 Bid Amount:

_____ **dollars**