CITY OF RIO DELL

EXERCISE EQUIPMENT INSTALLATION PROJECT

VICINITY MAP CITY DWOOD







GENERAL NOTES

- ADJACENT STRUCTURES, DIMENSIONS OR EXISTING FENCE LINES. OWNER WILL PROVIDE SURVEYOR FOR PROPERTY CORNERS ONLY, AS REQUIRED. ALL OTHER REQUIRED OR DESIRED SURVEYING. TOPOGRAPHY. AND STAKING TO BE RESPONSIBILITY OF THE GENERAL CONTRACTOR
- THE PROJECT AND CONTACT OWNER REGARDING ANY DISCREPANCIES OR CLARIFICATIONS. OWNER WILL COMMUNICATE DIRECTLY WITH ARCHITECT. ALL SUCH DISCREPANCIES AND CLARIFICATIONS SHALL BE BROUGHT TO OWNER/ARCHITECT'S ATTENTION PRIOR TO ANY AFFECTED WORK BEING PERFORMED.
- 3. THE EXERCISE EQUIPMENT WILL BE CITY-PURCHASED AND CONTRACTOR-INSTALLED. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDED INSTALLATION INSTRUCTIONS AND DETAILS. MANUFACTURER'S INSTRUCTIONS AND DETAILS INCLUDED IN THIS SET OF PLANS ARE PROVIDED FOR REFERENCE ONLY. CONTRACTOR RESPONSIBLE FOR CONTACTING MANUFACTURER AND CONFIRMING ALL INSTALLATION METHODS AND REQUIREMENTS PRIOR TO BIDDING
- S. THE CITY OF RIO DELL WILL BE HANDLING ALL BIDDING AND PROCUREMENT QUESTIONS INCLUDING ALL BID AND CONSTRUCTION QUESTIONS. THE CITY WILL COORDINATE ALL QUESTIONS AND FORWARD TO ARCHITECT FOR RESPONSE AS NECESSARY. CONTRACTOR SHALL NOT CONTACT ARCHITECT DIRECTLY.
- Kyle Knopp
- City Manager City of Rio Dell
- (707)764-3532 (o (707)764-5480 (f) (707)616-2301 (c) knoppk@cityofriodell.ca.gov

CITY PURCHASED / CONTRACTOR INSTALLED:

- INSTALLATION LOCATIONS WITH CITY PRIOR TO PLACING COMPONENTS. CONTRACTOR SHALL INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS/REQUIREMENTS.
- 2. ALL BID & CONSTRUCTION QUESTIONS SHALL GO THROUGH THE CITY OF RIO DEL CONTACT: Kyle Knopp
- City Manager City of Rio Dell
- (707)764-3532 (o) (707)764-5480 (f) (707)616-2301 (c)

knoppk@cityofriodell.ca.gov

PROJECT DESCRIPTION:

THE CITY OF RIO DELL EXERCISE EQUIPMENT INSTALLATION PROJECT INCLUDES DEMO. EXISTING SOILS AS REQUIRED FOR NEW EXERCISE EQUIPMENT RETAINING WALLS, NEW CONCRETE FLAT WORK INCLUDING TIE-IN TO EXISTING CITY CORNER CURB CUT AND EXISTING STREET CURB. NEW CONCRETE CURB RETAINING WALLS FOR ENGINEERED WOOD FIBER MULCH, NEW ENGINEERED WOOD FIBER MULCH, ETC...AS SHOWN ON DRAWINGS. NO EXISTING TOPOGRAPHIC DATA OR OTHER SURVEY INFORMATION HAS BEEN PROVIDED, CONTRACTOR TO CONFIRM ALL EXISTING SITE CONDITIONS, UTILITY LOCATIONS, AND OTHER SITE PARAMETERS PRIOR TO SUBMITTING BIDS TO THE CITY. RETAINING WALLS SHALL NOT EXCEED 4' IN HEIGHT. CONTRACTOR TO CONFIRM PROPOSED SITE GRADES, CONCRETE WALKWAY GRADES. AND FINISHED ELEVATION OF NEW ENGINEERED WOOD FIBER MULCH ONSITE WITH CITY PRIOR TO POURING ANY NEW CONCRETE WORK OR PLACING ANY FILL MATERIALS.

B. CONCRETE

GENERAL CIVIL NOTES

elevations shall prevail.

A. General

- 1. Concrete for curbs and sidewalks shall have minimum ultimate compressive strength of 3000 psi at 28 days and unit weight of 150#/cf. Aggregate shall be per ASTM C33 and Table 2, Size Number 6 or approved alternate.
- 2. Cement shall be tested, Type I Portland cement conforming to ASTM C150.
- 3. Reinforcing steel shall conform to ASTM A615 Grade 60, deformed bars, clean and unrusted.

1. This project requires a Class A general engineering contractor's license in the state of California.

10. Any changes to these plans are to receive prior approval of the Architect of Record and the City.

located and disposed of in a manner such that prompt and proper inspection may be made.

pavement, base material, rocks, stumps, roots, limbs, etc.) to an approved disposal site.

15. Construction Staking shall be performed/provided by Contractor or Contractor's subcontractor.

and be responsible for all dimensions, details and conditions before starting the work.

details necessary for the final completion of the project.

shall be immediately called to the City's attention.

and specifications, and the 2022 California Building Code.

2. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractor shall coordinate, verify

3. The drawings were prepared in a manner consistent with existing professional standards and with the understanding that these drawings would be used solely by qualified and experienced construction and/or design professionals for use in the construction of this specific project only. The details indicated on these plans represent general typical details required for communicating this project design intent to such qualified construction professionals and as such may not include all the

4. Contractor shall notify the City of Rio Dell in writing immediately of any apparent discrepancies or possible omissions in

any such apparent discrepancies including potential removal and/or replacement of incorrectly installed elements.

6. Any substitutions shall be submitted to the City prior to installation, shall have previous approval from the governing

7. The contractor shall conform to hard surfaces where shown, construct the proposed facilities to the slopes shown, then

8. The contractor shall verify all stations, locations, elevations, and slopes prior to starting construction. Any discrepancies

9. The construction & installation of improvements shall conform to these plans, the City of Rio Dell improvement standards

11. The contractor is to pothole and verify the existence, location and elevation of all utilities prior to the start of work. The

locations of all underground utilities may not be shown on these plans. The architect makes no guarantee as to the

existence, location, or elevation of any utilities shown or omitted from these plans. The architect will assume no

13. The contractor shall remove from the site and lawfully dispose of all deleterious material (broken concrete, asphalt

16. Unless otherwise noted, the contractor shall protect existing survey monuments within work limits. Any monument

damaged by the contractor shall be reset in accordance with the California Professional Land Surveyors Act.

17. Contractor shall provide and maintain sufficient temporary barriers to provide for the safety of the public.

14. If, in the course of development, any archaeological, historical, or paleontological resources are uncovered, construction

activities in the affected area shall cease and a qualified archaeologist shall be contacted to review the site and advise the

city of the site's significance. If the findings are deemed significant, appropriate mitigation shall be required prior to any

is to notify underground service alert (USA North) at 811 a minimum of 48 hours prior to starting work.

5. Contractor shall remain solely responsible for scheduling submittal of required shop drawings and/or substitutions so as not to delay construction. Contractor shall allow a minimum of 10 working days for the review of any one submittal beginning upon City and Architect's receipt of the submittal. Incomplete or deficient submittals may be returned without review.

building department, and shall have either an International Conference of Building Officials research report or a national

taper to conform to existing facilities, as shown on the plans. where slopes and finish grade information conflict, finish grade

responsibility for the completeness or accuracy of underground utilities, whether shown on this plan, or not. The contractor

12. Construction materials shall be stored so as to ensure the preservation of their quality and fitness for the work. They shall be

detailing prior to starting the work. City shall coordinate communication between City and Contractor. Contractor shall take full responsibility for the consequences of proceeding without written clarification from the City and/or Architect relative to

- 4. Provide concrete with slump at point of placement as follows:
- 4.1. Ramps and sloping surfaces: Not more than 3".

resumption of work on the project.

- 4.2. Slabs, Sidewalk & Other Concrete: Not more than 5".
- 5. All concrete slabs shall have #4 bars @ 16" o.c. each way w/ 3" min. cover from soil or 2" from soil & weather, (typ).

General Grading Notes

- 1. Earthwork, including, but not limited to, site clearing, grubbing, and stripping should be conducted during dry weather conditions.
- 2. In graded areas, all surficial vegetation and deleterious, organic, and oversized materials (greater than 4 inches in maximum dimension) should be stripped and isolated from the site prior to removal of any potentially useable soils.
- 3. All sod, vegetation and topsoil within the uppermost six inches of the entire parcel to be developed, should be removed to the extent feasible. this material will be stockpiled and spread as requested by City of Rio Dell staff.
- 4. Additional material excavated as required to accommodate design grades and planned minimum fill or pavement section thickness will be stockpiled on site for later use as landscaping fill material.
- Subsoils (below the topsoil) excavated for the project will be stockpiled for later use as nonstructural fill.
- 6. Subgrade Preparation
- engineered fill. Compact the upper 8 inches of the native subgrade to a minimum of 90 percent of the maximum dry density (per ASTM D698-91). Moisture content should be controlled to -1 to +3 percent of optimum. stabilized through moisture conditioning and recompaction of soils, then the soils will need to be stabilized using other
- 7. Engineered Fill materials shall be Class 2 Agg. Base. Fill shall be placed in loose lifts not exceeding 8" and shall be compacted
- 8. Provide adequate shoring for vertical excavations or slopes sides of excavation not less than 1 vertical to 3/4 horizontal.

REVIEWED FOR CODE COMPLAINCE APPROVED 12/19/2023 CITY OF RIO DELL

Kevin Caldwell

	SHEET INDEX
C-0	COVER SHEET
C-1.0	DEMOLITION PLAN
C-2.0	SITE PLAN & DETAILS
C-3.1	REFERENCE DRAWINGS & SPEC'S HAND CYCLER
C-3.2	REFERENCE DRAWINGS & SPEC'S SQUAT PRESS
C-3.3	REFERENCE DRAWINGS & SPEC'S AB CRUNCH
C-3.4	REFERENCE DRAWINGS & SPEC'S PULL UP BAR
C4.0	SHASTA FOREST PRODUCTS, INC. WOOD FIBER MULCH SPECIFICATIONS & INSTALLATION INSTRUCTIONS

COVER SHEET EXERCISE EQUIPMENT

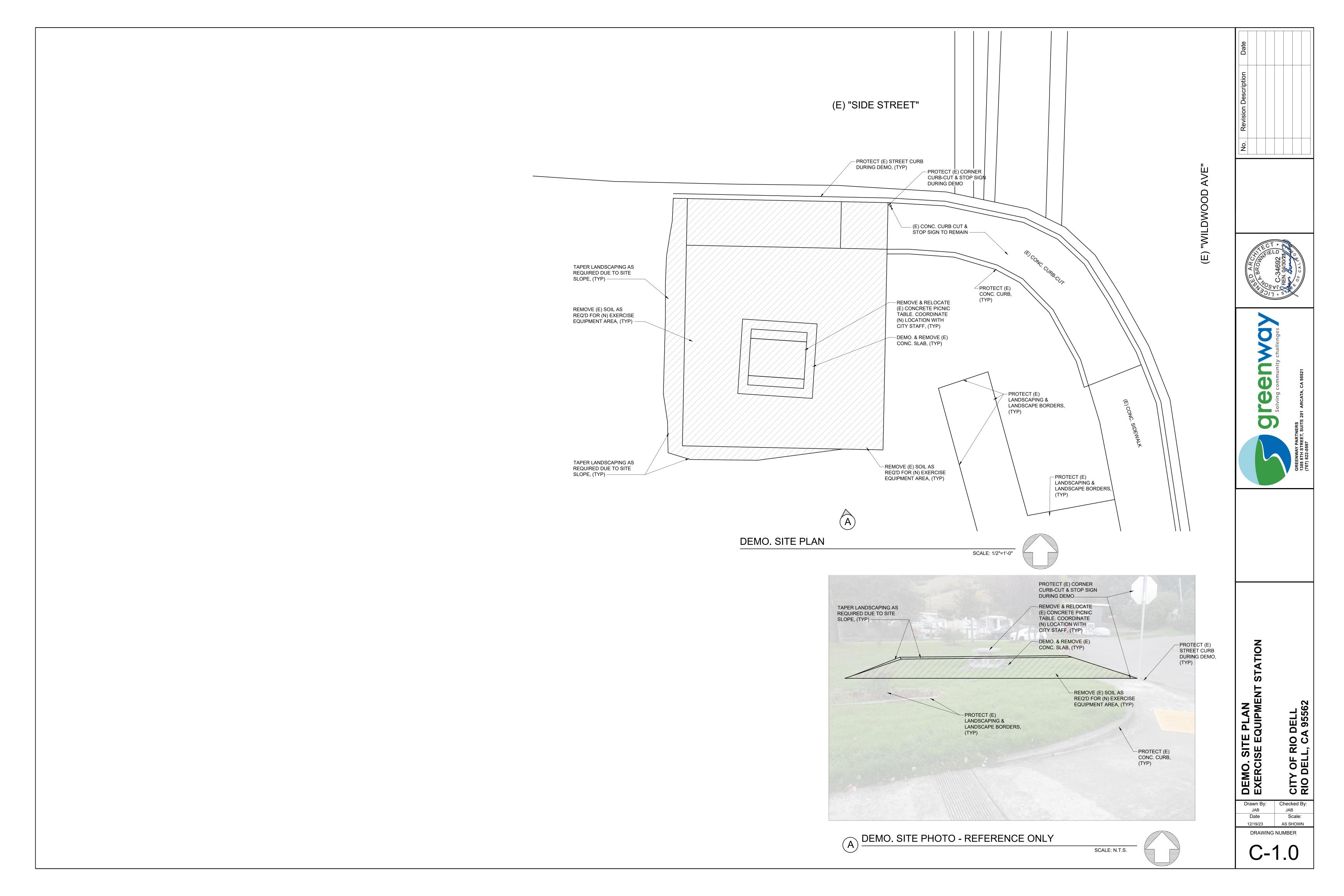
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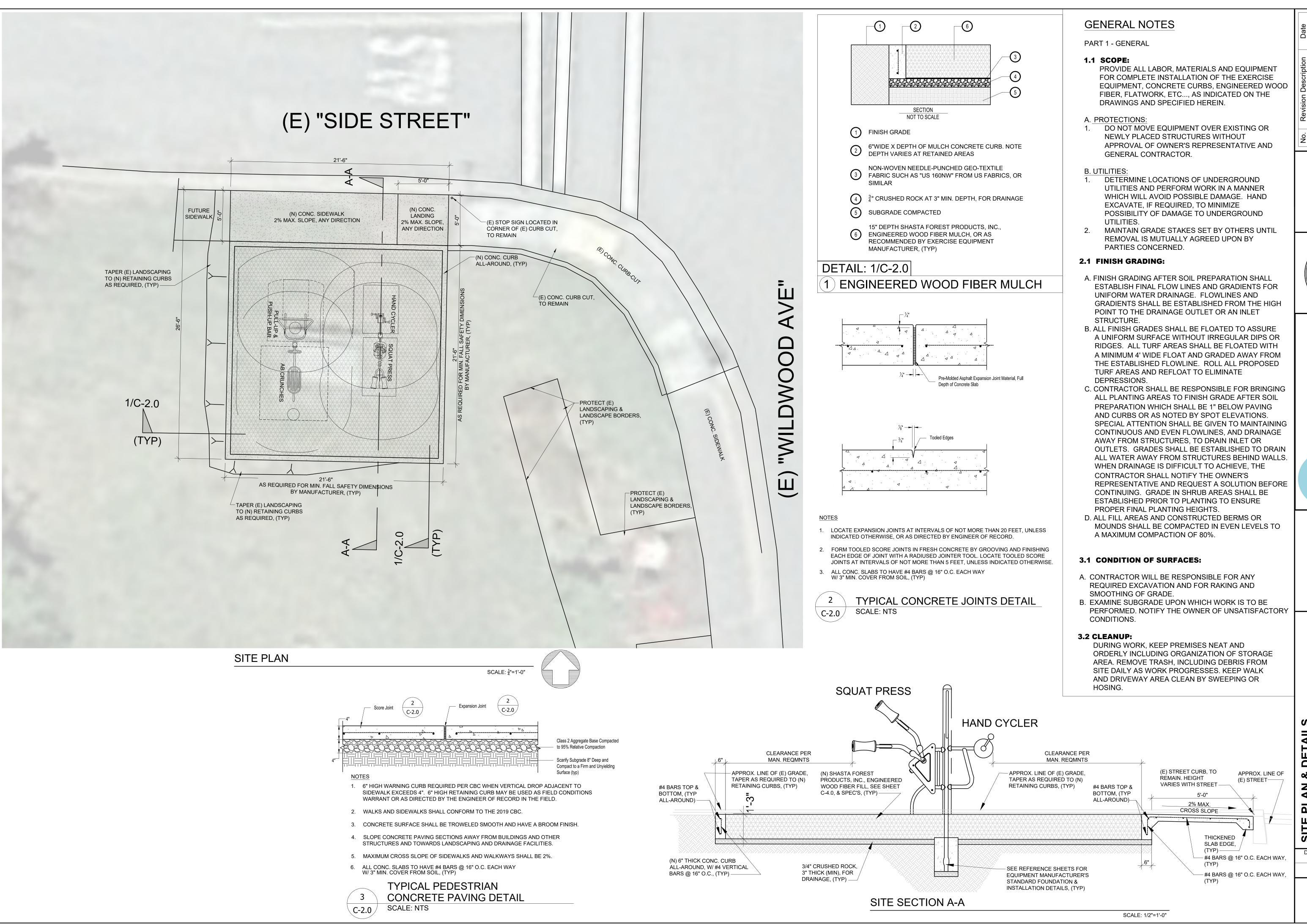
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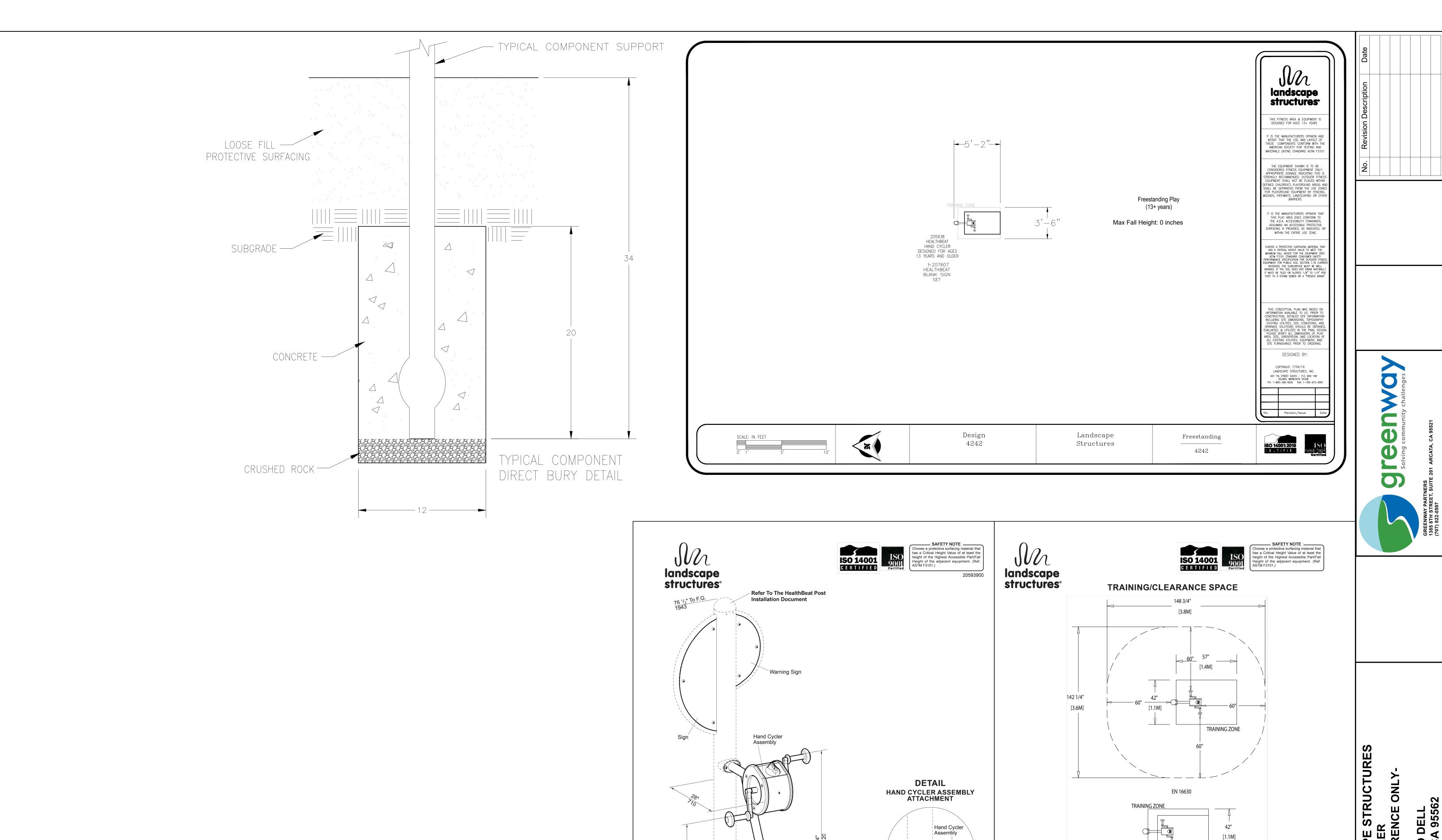
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PLAN & DETAILS 교 당 SITE I EXER(

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CITY OF RIO DELL RIO DELL, CA 95562



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LANDSCAPE STRUCTURES HAND CYCLER -FOR REFERENCE ONLY-CITY OF RIO DELL RIO DELL, CA 95562 Drawn By:

[1.4M]

The clearance space shall reflect the recognized standard for the area. Typically, ASTM for U.S.A. and EN for European installation. The clearance space shall have a protective surface that has a critical height value for the fall height of the equipment.

HealthBeat® 205938 Hand Cycler Sheet 2 of 2 601 7TH STREET SOUTH, DELANO, MINNESOTA 55328-8605 888-574-4678 LSI Install Help 888-438-6574 LSI Direct 763-972-5200 Int. FAX (763) 972-3185

(4) ³/₈" x 1 ¹/₈" BHCS w/Pin &

3/8" SAE Flat Washers

Document #30764000

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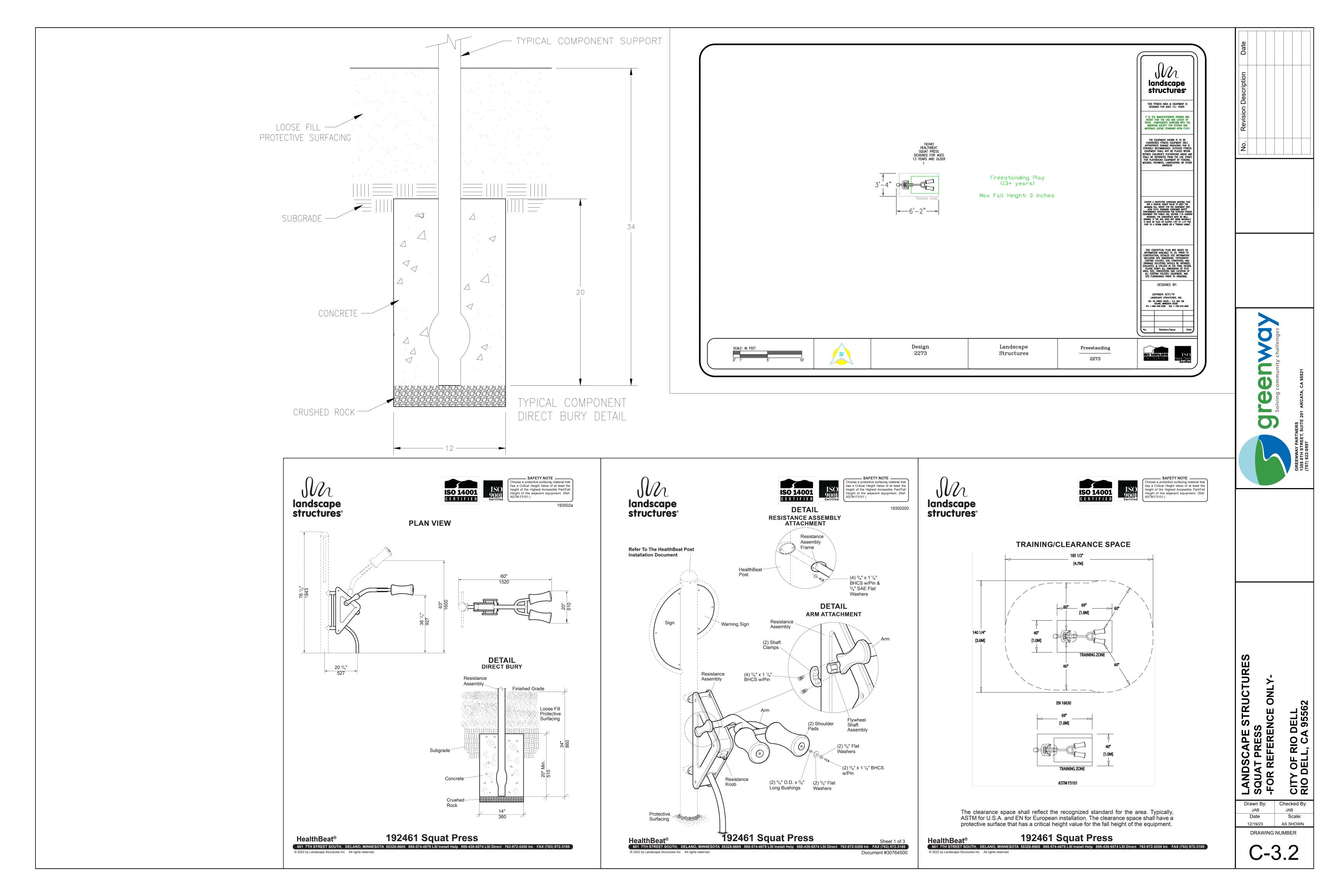
Refer To The HealthBeat Post Installation Document

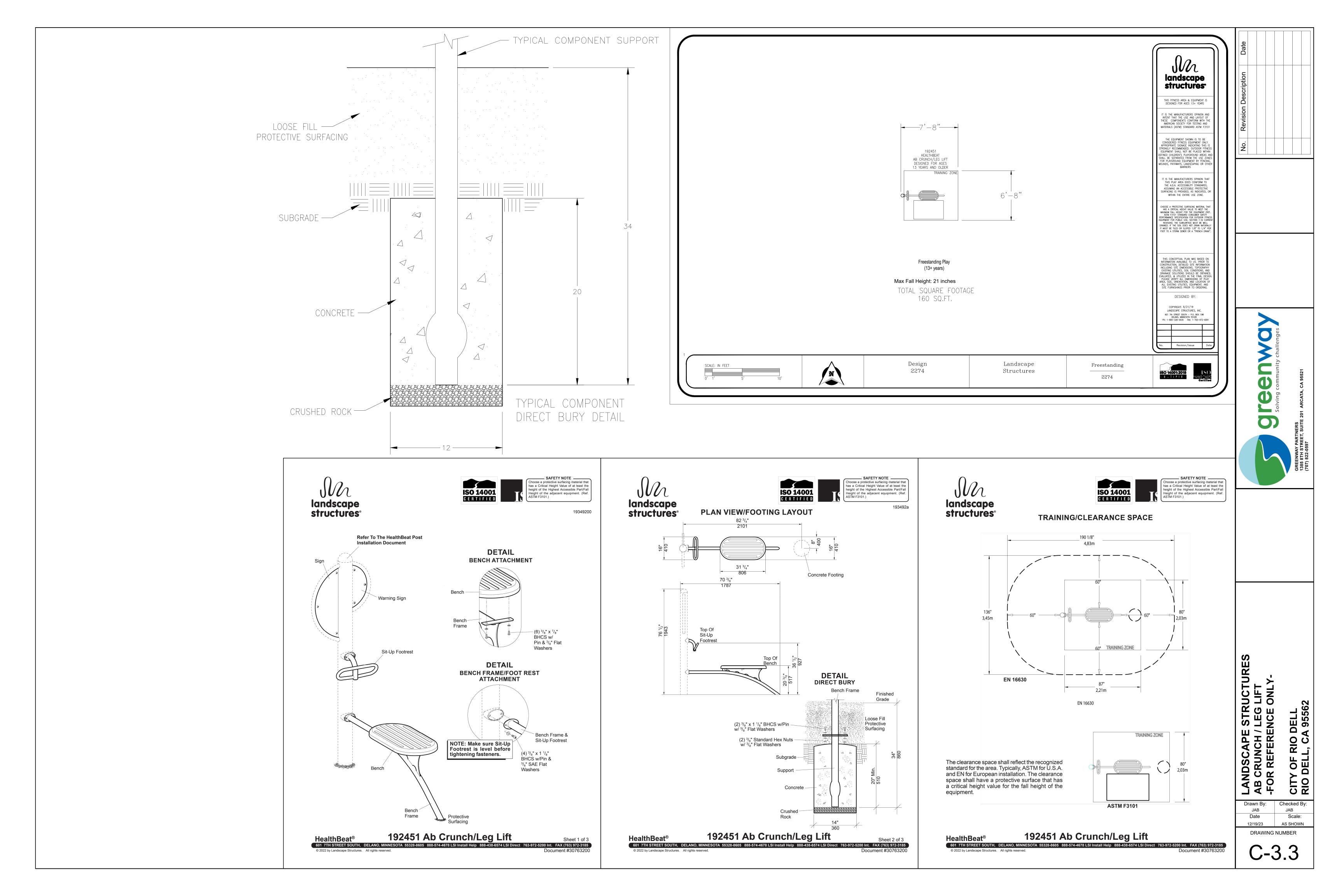
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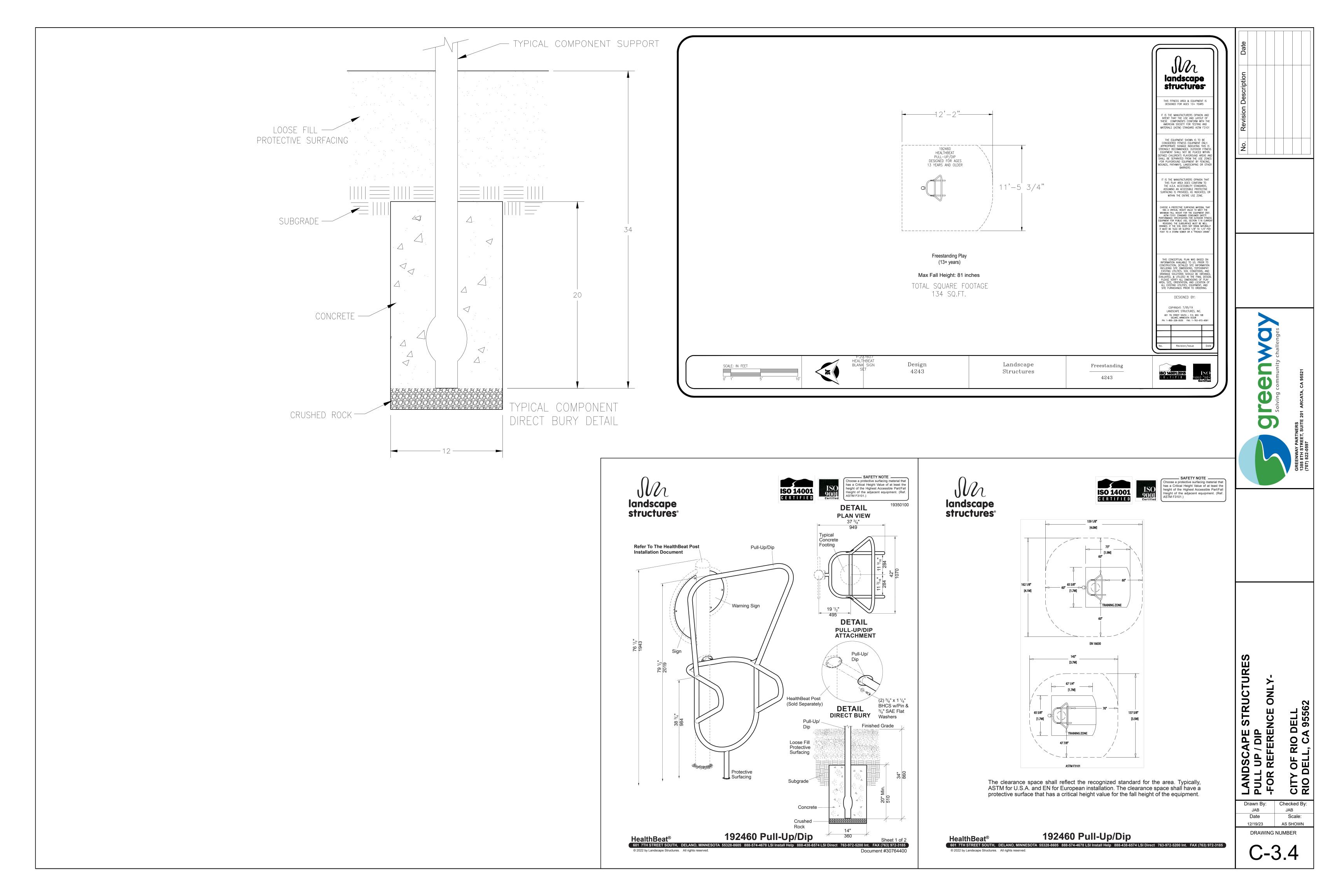
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PLAYGROUND WOOD FIBER PACKET

This packet includes the following information: Product Information, Testing and Installation

- 1. Product Description Sheet
- 2. Product Installation Instructions
- 3. ASTM F-2075/F963 Test Results
- 4: ASTM F-1292 9" Depth Test Results
- 5. ASTM F-1292 12" Depth Test Results
- 6. ASTM F-1951-08 Surface Testing (Wheel Chair Accessibility)
- 7. ASTM F-1951-08 Rotational and Penetrometer Surface Test
- 8. MSDS Sheet

Ingredients: Fir and Pine Wood Chips

Manufactured By: Shasta Forest Products, Inc. PO Box 777 Yreka, CA 96097 800-794-4448 530-842-2785



PLAYGROUND WOOD FIBER

This letter certifies that our wood fiber playground material meets the following requirements:

- 1. The material is free of all foreign objects such as metal, glass, stones, and large pieces of wood.
- 2. The material is manufactured from unused wood.
- It is manufactured from the interior of the log with no bark, cambium layers, plywood, or particle board.
- 4. The material is nontoxic and free of any harmful chemicals or additives.
- 5. It is manufactured with a particle size range of approximately 1" x 1-1/4" to 1/4" x 1-1/2". It has an approximate depth range of 3/16".
- The material is in compliance with all the requirements and regulations of the U. S. Consumer Products Safety Commission Technical Guidelines for Playground Surfacing. The material is handicap-accessible and complies with the Civil Rights Restoration Act of 1987 and the American Disabilities Act of 1990.
- 7. Material testing was done in June 2017 to evaluate the Shock Absorbing Properties in accordance with the procedures outlined in ASTM F-1292, Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment. All testing was done for 9" and 12" applications. Our Playground Wood Fiber was also tested and met the maneuverability performance requirements of ASTM F-1951 for wheelchair accessibility. Plus, Tramp Metals Test, Sieve Test (Particle Size) and Hazardous Metals as per ASTM-F2075/F963.

Ingredients: Fir and Pine Wood Chips

Manufactured By: Shasta Forest Products, Inc. PO Box 777 Yreka, CA 96097 800-794-4448 530-842-2785

Product MSDS Sheets, ASTM Test Results, and Product Installation Instructions are available from your dealer or call Shasta Forest Products, Inc. for a copy.



Shasta Forest Products, Inc.

P.O. BOX 777 • YREKA, CALIFORNIA 96097-0777 (530) 842-2785 - Administrative Office • (530) 842-2787 - Mill Office (530) 842-0527 - Landscape Supply Center (530) 842-2788 - FAX • shastabark@usa.net - Email www.shastabark.com

PLAYGROUND WOOD FIBER INSTALLATION INSTRUCTIONS

Site Preparation: The installer shall examine the site and specifications of the playground equipment to be used, thoroughly checking so the installation and the playground site meet all fall zones and all safety guidelines specified for playground equipment and playground surfaces.

Our playground wood fiber has been tested to meet the ASTM F1292, ASTM E648 and ASTM F1951-08 for both 9" and 12" applications. The installer shall select after thoroughly examining the application of the playground equipment what depth is recommended for that particular playground site.

Subgrade: The subgrade shall be graded a minimum of 1% fall, with all roots, rocks and vegetation removed. Shasta Forest Products, Inc. recommends an inground system to be the best system. This in-ground system is wheelchair accessibility friendly and also eliminates a trip hazard for small children that are accessing the area. With an in-ground system a French drain must be constructed and connected to existing drainage system. Shasta Forest Products, Inc. recommends that the French Drain be 2" in depth using pea gravel. The French Drain is not part of the depth needed for your playground wood fiber. So you will need to account for this added depth when figuring the total depth of your site. It is also recommended that in heavy traveled areas an increase in the depth of the playground wood fiber is needed. So it is best to plan ahead in these areas when you are preparing your subgrade to the specifications.

<u>Application of Playground Wood Fiber</u>: To help prevent vegetation growth into the playground area a perimeter of a wood railing or curb set between the ground area and the wood fiber area is recommended. Take into account this rail or curbed area is not part of the fall zone.

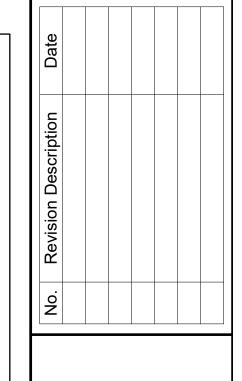
You will have to increase your fall zone area to accommodate the rail or curbed area. A felt liner is also recommended to help keep vegetation from growing up into your playground area. This felt liner would also be able to let any and all water drain through it and out of the playground area. The felt liner would be applied on top of the pea gravel and under your Playground Wood Fiber.

Playground Wood Fiber Installation Instructions Page 2 of 2

Once the playground is set and the above recommendations are met you are ready to install the playground wood fiber.

The playground wood fiber shall be spread to a uniform height of not more than 4" at any one phase of installation. At each 4" phase of installation water is to be added evenly to the site area until it runs from the site. Also at each phase of installation a vibrating plate is to be run once only over the playground wood fiber to help compact and secure the play ground wood fiber. After these phases are complete, a small uniform layer of playground wood fiber may be needed on top to fill in any low spots that may occur.

Enjoy your playground area.





SE EQUIPMENT INSTALLATION

FOREST PRODUCTS

OUND WOOD FIBER SPEC'S

FERENCE ONLY
L, CA 95562

Drawn By: Checked By:
JAB JAB
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