

TYPE II/III APPLICATION


OFFICIAL USE ONLY	
File # MA24-01	Fee Paid _____
Date Received 4/5/24	Receipt # _____
Received by JW	

Location	Site Address 745 N ROSE STREET, PHOENIX			Zone MDR
	Township / Range 38-01W	Section(s) 09E	Tax Lot(s) 600	Overlay(s) NONE

Contact	Owner	Name BRENT BARRY, DISTRICT SUPERINTENDENT PHOENIX-TALENT SCHOOL DISTRICT #4			
		Mailing address 873 N ROSE STREET	City PHOENIX	State OR	Zip 97535
		Phone (541) 535-1517	Email BRENT.BARRY@PHOENIX.K12.OR.US		
	Applicant	Name SAME AS OWNER			
		Mailing address N/A	City N/A	State N/A	Zip N/A
		Phone N/A	Email N/A		
	Agent	Name MALIA WATERS, ZCS INC			
		Mailing address 45 HAWTHORNE STREET	City MEDFORD	State OR	Zip 97504
		Phone (541) 500-8588	Email MALIAWATERS@ZCSEA.COM		

Project Type	<input type="checkbox"/> Appeal	<input type="checkbox"/> Site Design Review
	<input checked="" type="checkbox"/> Conditional Use	<input type="checkbox"/> Variance
	<input type="checkbox"/> Floodplain Development	<input type="checkbox"/> Zoning Map Change
	<input type="checkbox"/> Modification to Approval	
	Brief Description MINOR MODIFICATIONS TO EXISTING CUP - ADD TENNIS COURTS AT PHS	

Required Submittals	<input checked="" type="checkbox"/> Plot Plan / Site Plan
	<input checked="" type="checkbox"/> Applicant Narrative (addressing all applicable Phoenix Land Development Code requirements)
	<input type="checkbox"/> Supplemental Information (as necessary)

Consent & Certification	I hereby state that the facts related in the above application and the plans and documents submitted herewith are complete, true, correct, and accurate to the best of my knowledge.		
	Signature* 	<input type="checkbox"/> Applicant	<input type="checkbox"/> Agent

* This application must be signed by the property owner to demonstrate consent. Alternatively, a Letter of Authorization on City letterhead may be accepted.

March 29, 2024

Zac Moody
Planning Manager
City of Phoenix
220 N Main Street
Phoenix, OR 97535
(541) 535-2050 ext. 313

Reference: Proposed Tennis Courts at Phoenix High School

Subject: Conditional Use Permit Minor Modification Findings of Fact

Phoenix Land Development Code

Chapter 2.2 – Residential Districts (R-1, R-2, R-3, HO)

2.2.2 – Permitted Land Uses

A. Permitted Uses. The land uses listed in Table 2.2.2 are permitted in Residential Districts, subject to the provisions of this Chapter. Only land uses specifically listed in Table 2.2.2 and land uses approved as similar to those in Table 2.2.2 may be permitted. The land uses identified as requiring a “CUP” in Table 2.2.2 require Conditional Use Permit approval prior to development or a change in use, in accordance with Chapter 4.4 – Conditional Use Permits.

Applicant’s Response: Existing conditional use permit to remain in place and will require a minor modification to allow for the use of the proposed tennis courts. Existing CUP allows for the continued use of the land as a public school in the subject property’s R-2 zone. Accessory structure will adhere to the minimum required setbacks of 20 feet for front yard, 10 feet for front-side, and 3 feet for rear and side. Structures will continue to adhere to the maximum allowable lot coverage for the lot per Section 2.2.5.A due to the CUP approved as a public/institutional use. No proposed structures will be above the maximum allowable height of 45 feet.

2.2.9 – Special Standards for Certain Uses

This Section supplements the standards contained Sections 2.2.1 through 2.2. 8. It provides standards for the following land uses in order to control the scale and compatibility of those uses within the Residential District:

G. Public and Institutional Land Uses. Public and institutional uses (as listed in Table 2.2.2) are allowed in the Residential Districts as a Conditional Use and subject to the following land use standards, which are intended to control the scale of these developments and their compatibility with nearby residences:

1. Development Site Area. The maximum development site area shall be three acres, except that this standard shall not apply to parks and open-space uses.

Larger developments may be approved as Conditional Uses, in accordance with Chapter 4.4 – Conditional Use Permits, or as part of Planned Unit Developments, in accordance with Chapter 4.5 – Planned Unit Developments.

Applicant's Response: Existing CUP shall remain in place. The 3-acre maximum allowable development site area does not apply to the subject property.

2. Building Mass. The maximum width or length of a building shall not exceed 130 feet (from end-wall to end-wall), except that this standard may be increased through the approval of a Conditional Use Permit or as part of a Planned Unit Development.
3. Development Review. A Type I Development review shall be required for new structures to be used as Group Living structures and for conversion of an existing residence to be used as a residential care home to ensure compliance with the licensing, parking, and other requirements of this Code.

Chapter 3.3 – Landscaping, Street Trees, Fences, and Walls

3.3.5 – Fences and Walls

The following standards shall apply to all fences and walls:

A. General Requirements. All fences and walls shall comply with the standards of this Section. The construction or replacement of a fence is required to go through a Type I Development Review process. The City may require installation of walls and/or fences as a condition of development approval, in accordance with Chapter 4.2 – Development Review and Site Design Review or Chapter 4.4 – Conditional Use Permits. Walls built for required landscape buffers shall comply with Chapter 3.3.3 – New Landscaping.

B. Dimensions

1. In residential zones, the maximum allowable height of fences and walls is six feet as measured from the highest grade at the base of the wall or fence, except that retaining walls and terraced walls may exceed six feet when permitted as part of a site development approval or as necessary to construct streets and sidewalks. Bufferwalls (e.g., sound walls or other screens provided between noncompatible uses) may exceed six feet when permitted as part of a site development approval. A building permit shall be obtained when required by the Building Code as amended.

Applicant's Response: The proposed development for Phoenix High School tennis facilities will include 10-foot-tall black vinyl chain link fencing around the courts to both secure the courts from unwanted uses and to protect students from entering vehicular areas to retrieve errant tennis balls. In order to secure the facility, the courts will be fenced with pedestrian gates and locked access for students. In order to protect students and vehicles from errant tennis balls, the facility will be required to have 10-foot continuous perimeter fencing.

2. In commercial and industrial zones, and where public buildings are

developed, the maximum allowable height of fences and walls is six feet as measured from the highest grade at the base of the wall or fence, except that retaining walls and terraced walls may exceed six feet when permitted as part of a site development approval or as necessary to construct streets and sidewalks. Bufferwalls (e.g., sound walls or other screens provided between noncompatible uses) and fencing required to secure the site may exceed six feet when permitted as part of a site development approval. A building permit shall be obtained when required by the Building Code as amended.

3. Up to two feet of decorative fencing or fence toppers, such as lattice, may be added to the maximum allowable height of fence and walls. Given that lattice and other fence toppers tend to deteriorate more rapidly than solid fencing, the applicant shall demonstrate how they intend to construct the decorative fencing or fence toppers in a manner that promotes durability (e.g., staining, extra staples, reinforced materials). All decorative fencing and fence toppers must be maintained in good condition or otherwise removed or replaced by the owner.
4. The height of fences and walls within a front yard setback shall not exceed three feet (except decorative arbors or gates) as measured from the grade closest to the street right-of-way.
5. In zones with no front yard setback requirement, fencing along a street frontage and within 20 feet of a sidewalk or other pedestrian accessway shall not exceed three feet in height.
6. Walls and fences to be built for required buffers shall comply with Chapter 3.3.3 – New Landscaping.
7. Fences and walls shall comply with the vision clearance standards of Chapter 3.2.2 – Vehicular Access and Circulation, Section M.

C. Materials. All materials are acceptable except for barbed wire fences.

Applicant's Response: *Proposed fencing shall be 10-foot tall black vinyl coated chain link. No barbed wire fencing is proposed.*

D. Maintenance. For safety and for compliance with the purpose of this Chapter, walls and fences required as a condition of development approval shall be maintained in good condition, or otherwise replaced by the owner. (Amended August 16, 2021 Ordinance 1016).

Chapter 3.4 – Vehicle and Bicycle Parking

3.4.3 – Vehicle Parking Standards

A. Number of Spaces Required. The minimum number of required off-street vehicle parking spaces (i.e., parking that is located in parking lots and garages and not in the street right-of-way) shall be determined based on the standards in Table 3.4.3.A.

The minimum number of off-street parking spaces required in the City Center District may be reduced by up to two thirds with the justification approved by the

Planning Director, however, the maximum parking standards of this Chapter apply. These reductions and justifications should be reported in writing to the Planning Commission at their next meeting.

Applicant's Response: *The proposed tennis courts have a use that falls outside of the specified uses defined in Tables 7&8 of Section 3.4.3.A- Vehicle Parking. Therefore, the proposed use shall fall under the unspecified minimum standards option for parking. The proposed tennis court facility most similarly resembles a commercial stadium use and therefore would require 1 space per four seats, or in this case players and spectators. It is estimated that between 40 and 80 players and spectators will use the site at a time, resulting in a total of 20 parking spaces (80 seats / 4 seats per space) required. Since the tennis court events will not occur during regular school hours, the existing school parking lot to the North of the proposed development with 48 stalls will be sufficient to accommodate all tennis events.*

Chapter 3.5 – Street and Public Facilities Standards

3.5.1 – Utilities

A. Underground Utilities. All utility lines including, but not limited to, those required for electric, communication, lighting and cable television services and related facilities shall be placed underground, except for surface mounted transformers, surface mounted connection boxes and meter cabinets which may be placed above ground, temporary utility service facilities during construction, and high capacity electric lines operating at 50,000 volts or above. The following additional standards apply to all new subdivisions, in order to facilitate underground placement of utilities:

1. The developer shall make all necessary arrangements with the serving utility to provide the underground services. Care shall be taken to ensure that above ground equipment does not obstruct vision clearance areas for vehicular traffic. (Chapter 3.2.2 – Vehicular Access and Circulation, Section M);
2. The City reserves the right to approve the location of all surface mounted facilities.
3. All underground utilities, including sanitary sewers and storm drains installed in streets by the developer, shall be constructed prior to the surfacing of the streets; and
4. Stubs for service connections shall be long enough to avoid disturbing the street improvements when service connections are made.

Applicant's Response: *The proposed facility will tie into existing private utility connections and will not impact the public right of way or any city streets. All electrical, sanitary sewer, storm drainage, irrigation, and communication utility lines shall be installed below grade. No aboveground utility connections are proposed.*

B. Easements. Easements shall be provided for all underground utility facilities.

C. Variances to Under-Grounding Requirement. The standard applies only to proposed subdivisions. A variance to the under-grounding requirement may be granted due to physical constraints, such as steep topography or existing

development conditions.

3.5.6 – Easements

Easements for sewers, storm drainage and water quality facilities, water mains, electric lines or other public utilities shall be dedicated on a final plat, or provided for in the deed restrictions. See also, Chapter 4.2 – Development Review and Site Design Review, and Chapter 4.3 – Land Divisions and Lot Line Adjustments. The developer or applicant shall arrange with the City, the applicable district, and each utility franchise for the provision and dedication of utility easements necessary to provide full services to the development. The City's standard width for public main line utility easements shall be 10 feet unless otherwise specified by the utility company, applicable district, Public Works Director, or City Engineer.

Applicant's Response: *Does not apply to this proposal, no new utilities will be required to impact the public right of way or city streets.*

Chapter 3.8 – Storm and Surface Water Management Standards

3.8.2 – Stormwater Management Plan Submittal

A. Site plans shall include the following analyses and descriptions:

1. A description of stormwater mitigation strategies to increase infiltration and evapotranspiration (use of water by plants) and reduce the amount of stormwater runoff generated from the site.
2. Calculations of the amount of impervious surface before development and the amount of impervious surface after development. Impervious surface refers only to strictly impervious surfaces including roofs of buildings, impervious asphalt and concrete pavements, and other specifically impervious pavement materials such as mortared masonry and gravel.
3. An analysis of vegetative and other treatment methods used to reduce pollutants.
4. An analysis of flow reduction methods including, infiltration, and detention and techniques.
5. Statement of consistency with City stormwater management objectives stated in Chapter 2.8.1 – Purpose, Section A and, if applicable, the watershed management plan for the basin and/or requirements of a pollutant load reduction plan for a water quality limited stream.

Applicant's Response:

A1 – All stormwater generated by the new tennis courts and ancillary concrete pavement will be directed to a series of hydraulically linked, lined filtration rain gardens which will conform to current City of Phoenix and RVSS design standards. Measured infiltration rates at the project site meet the requirements for technical infeasibility and are insufficient for adequate infiltration/retention of stormwater runoff.

A2 – The proposed improvements will increase the impervious are by a total of 33,685-sf

(0.77-acres). Existing and proposed development conditions are described in detail in the project stormwater management report.

A3 - Planting plan for proposed rain garden has been developed to meet RVSS planting standards. Refer to landscape plans and stormwater report for additional information.

A4 – Peak runoff generated by the increased impervious area will be detained in the filtration rain garden and discharged at a rate equal to the existing peak flow; this conforms to the current City/RVSS design requirements. Existing and proposed development conditions are described in detail in the project stormwater management report.

A5 - The project has been designed to meet the stormwater management objectives of chapter 3.8.1 Section A. Refer to stormwater report and plans for additional information on treatment and detention.

B. Post-construction plans shall include the following information:

1. As-built plans, stamped by a hydrologist, civil engineer, or other qualified person recognized by the City, indicating all stormwater mitigation and management strategies are installed per approved plans and approved changes.
2. Maintenance plans for all stormwater treatment facilities installed to comply with this ordinance. The maintenance program shall be subject to a recorded agreement with the City that outlines the stormwater treatment facility responsibilities of property owners and the City.

Applicant's Response:

B1 - Project will include as-built plans stamped by an engineer indicating all stormwater mitigation and management strategies have been installed per approved plans or approved changes.

B2 - Project will include stormwater facilities operation and maintenance plans that will comply with Phoenix Land Development Code and RVSS standards.

3.8.4 – Surface Water Conveyance Standards

The following measures are designed to efficiently convey stormwater.

- A. Culverts in and spans of streams, creeks, gulches, and other natural drainage channels shall maintain a single channel conveyance system.
- B. Culverts and/or spans are to be sized for the 24-hour post-developed tributary conditions of the 10-year storm on streams with an average flow less than 200 cfs. For Bear Creek, facilities shall be designed using 50-year storm conditions.
- C. Conveyance calculations shall use the following methods for analysis:
 1. Projects smaller than 20 acres: The Rational Method, Santa Barbara Urban Hydrograph, SCS TR-55, HEC-1, or SWMM.
 2. Projects 20 acres or larger: Any of the methods except the Rational Method. Exceptions must be documented and approved by the City.
- D. Credit will not be given for in-stream and in-line detention.
- E. It shall be the responsibility of the owner that the new drainage system shall not negatively impact any natural water conditions. The owner is responsible for providing a drainage system for all surface water, springs, and groundwater on site and for water entering the property as well as management of springs and

groundwater that surface during construction.

Applicant's Response:

A - Does not apply to this proposal, project does not include any natural drainage channels.

B - Project stormwater system has been designed using for the 24-hour post-developed tributary conditions of the 10-year storm.

C - Project is under 20 acres and conveyance calculations will be prepared using the Santa Barbara Urban Hydrograph method.

D - Does not apply to this proposal, project does not include any in-stream or in-line detention

E – Does not apply to this proposal, project does not include any natural ponds, streams, springs or groundwater.

3.8.5 – Pollution Reduction and Flow Control Standards

A. Applicability. These standards shall apply to all subdivisions or site plan applications creating greater than 500 square feet of impervious surface or redevelopment footprint area, unless eligible for an exemption or granted a waiver by the City. Additionally, these standards apply to land development activities that are smaller than the minimum applicability criteria if such activities are part of a larger common plan of development that meets the applicability criteria, even though multiple separate and distinct land development activities may take place at different times and at different schedules.

B. Waivers. The City at its discretion can waive in whole or in part minimum requirements for stormwater management, provided the applicant can prove with submitted findings that at least one of the following conditions applies:

1. It can be demonstrated that the proposed development is not likely to impair attainment of the objectives of this plan or the City's Stormwater Management Program.
2. Alternative minimum requirements for on-site management of stormwater discharges have been established in a stormwater management plan that has been approved by the City.
3. Provisions are made to manage stormwater by an off-site facility. The off-site facility is required to be in place, to be designed and adequately sized to provide a level of stormwater control that is equal to or greater than that which would be afforded by on-site practices and there is a legally obligated entity responsible for long-term operation and maintenance of the stormwater practice.
4. The City finds that meeting the minimum on-site management requirements is not feasible due to the nature or existing physical characteristics of a site.
5. Non-structural practices will be used on the site that reduce: a) the generation of stormwater from the site, b) the size and cost of stormwater storage and c) the pollutants generated at the site. These non-structural practices are explained in detail in the current design manual and the amount of credit available for using such practices shall be determined by the City.

C. Infiltration, Treatment, and Detention. Proper management of stormwater includes a combination of infiltration, treatment, and detention. This Section establishes the review standards for each method.

1. Infiltration

- a. Infiltration systems are to infiltrate a minimum of one-half inch of rainfall in 24 hours.
 - b. Stormwater treatment, in accordance with subsection C.2 of this Section, shall occur prior to or concurrent with infiltration.
 - c. Infiltration systems shall be designed to overflow to conveyance systems.
 - d. Infiltration may be waived, or reduced, if it can be demonstrated by a registered professional engineer that infiltration will destabilize the soil, cause structural problems, or provide negative impacts to the environment, or due to site constraints such as high groundwater or soil contamination. In such cases, findings shall demonstrate that stormwater runoff will not adversely affect adjacent properties, or if runoff is determined to occur, the developer shall be in-lieu-of fees for regional treatment or off-site mitigation.
2. Treatment
- a. Water quality facilities shall be designed to capture and treat runoff for all flows up to the 80th percentile storm event.
 - b. The water quality system shall use vegetation for treatment. Accepted types of vegetated treatment facilities and sizing criteria are described in Stormwater Design Manual. Alternative systems may be used with approval of the City Engineer and shall be designed to provide equivalent treatment as is provided with a vegetated system.
 - c. Systems treating stormwater from over 5,000 square feet of impervious area and all systems that deviate from the sizing and design criteria in the Stormwater Design Manual must be designed by a registered engineer and be approved by the city engineer.
3. Detention. On-site storm quantity detention facilities shall be designed to capture and detain runoff as follows:
- a. 2-year, 24-hour, post-developed runoff rate to a 2-year, 24-hour pre-developed discharge rate;
 - b. Sites with infiltration systems designed to handle storms in excess of that specified by subsection C.3.a (above) of this Section will be permitted to reduce on-site detention requirements by a volume equal to 100% of the excess infiltration capacity.

Applicant's Response: *The project's stormwater management has been designed to meet the objectives of the Phoenix Land Development Code and the Rogue Valley Stormwater Design Manual using a combination of treatment and detention. Refer to Stormwater Report and plans for details and additional information.*

3.9.2 – Approval Standards

- A. For sites smaller than one acre, the City Engineer shall make the following affirmative findings prior to approval of an erosion control plan:
1. The project has been designed to minimize disturbance of natural topography, native vegetation, and soils, consistent with applicable provisions of Chapter 3.7.4 – Hillside Lands and Chapter 3.7.3 – Flood Damage Prevention Regulations
 2. The site design maximizes the preservation of healthy trees, understory

shrubs, and ground cover.

Applicant's Response: No mature trees, shrubs or ground covers are proposed to be removed. Only recently planted trees are proposed to be removed as they will interfere with the tennis court surfacing and are located within the proposed stormwater treatment area. The general drainage pattern for the proposed improvements matches existing drainage pattern.

3. The plan complies with the applicable technical guidelines, as determined by the Public Works Director. In the case of erosion control and prevention standards, the adopted erosion control manual shall be the recognized authority.

Applicant's Response: The erosion control plan conforms to the standards set within the adopted erosion control manual.

- B. Sites larger than one acre require DEQ approval. This process will be administered by Rogue Valley Sewer.

Applicant's Response: The total square feet within the limits of construction amounts to 1.01 acres and therefore falls under the requirement for RVSS approval. The project will therefore be responsible for the findings review and approval of the proposed erosion control plan.

Chapter 3.12 – Outdoor Lighting

3.12.1 Purpose

The purpose of this Ordinance is to provide regulations for outdoor lighting that will: permit the use of outdoor lighting that does not exceed the maximum levels specified in IES recommended practices for nighttime safety, utility, security, productivity, enjoyment, and commerce; minimize adverse offsite impacts of lighting such as light trespass, and obtrusive light; curtail light pollution, reduce skyglow and improve the nighttime environment for astronomy; protect the natural environment from the adverse effects of night lighting from gas or electric sources; and conserve energy and resources to the greatest extent possible.

Applicant's Response: No new outdoor lighting is proposed. All lighting has been removed from the scope of work.

Chapter 4.1 – Types of Applications and Review Procedures

4.1.4 – Type II Procedure (Administrative)

Pre-Application. A pre-application conference is recommended for Type II applications. Pre-application conference requirements and procedures are in Chapter 4.1.7 – General Provisions.

A. Application requirements

1. Application Forms. Type II applications shall be made on forms provided by the Planning Department;
2. Submittal Information. The application shall:
 - a. Include the information requested on the application form;
 - b. Be filed with two copies of a narrative statement that explains how the application satisfies all of the relevant criteria and standards in sufficient detail for review and decision-making;
 - c. Be accompanied by the required fee
 - d. Include two sets of mailing labels for all real property owners of record who will receive a notice of the application as required in Chapter 4.1.4 – Type II Procedure (Administrative), section C. The records of the Jackson County Department of Assessment and Taxation are the official records for determining ownership. The applicant shall demonstrate that the most current assessment records have been used to produce the notice list;
 - e. Include an impact study for all land division applications. The impact study shall quantify/assess the effect of the development on public facilities and services. The study shall address, at a minimum, the transportation system, including pedestrian ways and bikeways; the drainage system; the parks system; the water system; the sewer system; and the noise impacts of the development. For each public facility system and type of impact, the study shall propose improvements necessary to meet City standards and to minimize the impact of the development on the public at large, public facilities systems, and affected private property users. In situations where this Code requires the dedication of real property to the City, the applicant shall either specifically agree to the dedication requirement or provide evidence that shows that the real property dedication requirement is not roughly proportional to the projected impacts of the development.

Chapter 4.2 – Development Review and Site Design Review

4.2.4 – Site Design Review.

Site Design Review is a discretionary review conducted by the Planning Director and/or the Planning Commission with or without a public hearing. (See Chapter 4.1 – Types of Applications and Review Procedures for review procedure.) It applies to all developments in the City, except those specifically listed under “A” (Development Review). Site Design Review ensures compliance with the basic development standards of the land use district (e.g., building setbacks, lot coverage, maximum building height), as well as the more detailed design standards and public improvement requirements in Chapters 2 and 3. Site Design Review requires a pre-

application conference in accordance with Chapter 4.1.7 – General Provisions, Section C.

Site Design Review shall be conducted as a Type II or Type III procedure as specified in Table 4.2.2, using the procedures in Chapter 4.1 – Types of Applications and Review Procedures, and using the approval criteria contained in Chapter 4.2.6 – Site Design Approval Criteria.

4.2.5 – Site Design Review Application Submission Requirements

All of the following information is required for Site Design Review application submittal:

- A. General Submission Requirements.** The applicant shall submit an application containing all of the general information required by Chapter 4.1.4 – Type II Procedure (Administrative) or Chapter 4.1.5 – Type III Procedure (Quasi-Judicial), as applicable. The type of application shall be determined in accordance with subsection A of 4.2.4 – Site Design Review Application Review Procedure. Site Design Review requires a pre-application conference in accordance with Chapter 4.1.7 – General Provisions, Section C.
- A. Site Design Review Information.** An application for Site Design Review shall include the following information:
1. A map showing the applicant’s entire property and the surrounding property to a distance sufficient to determine the location of the development in the City, and the relationship between the proposed development site and adjacent property and development. The property boundaries, dimensions, and gross area shall be identified;
 2. Proposed site plan. The site plan shall contain the following information, if applicable:
 - a. North arrow and scale
 - b. The proposed development site, including boundaries, dimensions, and gross area;
 - c. The name and address of project designer, engineer, surveyor, and/or planner, if applicable.
 - d. The location, size, and species of trees having a 2" diameter that are proposed to be removed or modified by the development;
 - e. The location and dimensions of all proposed public and private streets, drives, rights- of-way, and easements;
 - f. The location and dimensions of all existing and proposed structures, utilities, pavement, and other improvements on the site. Setback dimensions for all existing and proposed buildings shall be provided on the site plan;
 - g. The location and dimensions of entrances and exits to the site for vehicular, pedestrian, and bicycle access;
 - h. The location and dimensions of all parking and vehicle circulation areas (show striping for parking stalls and wheel stops, as applicable);

- i. Pedestrian and bicycle circulation areas, including sidewalks, internal pathways, pathway connections to adjacent properties, and any bicycle lanes or trails;
 - j. Loading and service areas for waste disposal, loading, and delivery;
 - k. Outdoor recreation spaces, common areas, plazas, outdoor seating, street furniture, and similar improvements;
 - l. Location, type, and height of outdoor lighting;
 - m. Location of mail boxes, if known;
 - n. Location of bus stops and other public or private transportation facilities.
 - o. Locations, sizes, and types of signs.
 - p. Location of trash enclosures or other waste storage areas.
 - q. Identification of slopes greater than 35 percent.
 - r. Potential natural hazard areas, including any areas identified as subject to a 100-year flood, areas subject to high water table, and areas mapped by the city, county, or state as having a potential for geologic hazards;
 - s. Resource areas, including marsh and wetland areas, streams, wildlife habitat identified by the City or any natural resource regulatory agencies as requiring protection;
 - t. Site features, including existing structures, pavement, drainage ways, canals and ditches;
 - u. Locally or federally designated historic and cultural resources on the site and adjacent parcels or lots;
 - v. Other information determined by the Planning Director to be pertinent. The City may require studies or exhibits prepared by qualified professionals to address specific site features (e.g., traffic, environmental features, natural hazards, etc.), in conformance with this Code.
3. Architectural drawings. Architectural drawings shall be submitted showing:
 - a. Building elevations with building height and width dimensions;
 - b. Building materials, color, and type.
 - c. The name of the architect or designer.
 4. Preliminary grading plan. A preliminary grading plan prepared by a registered engineer shall be required for developments which would result in the grading (cut or fill) of 1,000 cubic yards or greater. The preliminary grading plan shall show the location and extent to which grading will take place, indicating general changes to contour lines, slope ratios, slope stabilization proposals, and location and height of retaining walls, if proposed. Surface water detention and treatment plans may also be required, in accordance with Chapter 3.8 – Storm and Surface Water Management Standards.
 5. Landscape plan. A landscape plan is required and shall show the following:
 - a. The location and height of existing and proposed fences and other buffering or screening materials;
 - b. The location of existing and proposed terraces, retaining walls, decks, patios, shelters, and play areas;
 - c. The location, size, and species of the existing and proposed plant materials (at time of planting);
 - d. Existing and proposed building and pavement outlines;

- e. Specifications for soil at time of planting, irrigation plans, and anticipated planting schedule.
 - f. Other information as deemed appropriate by the Planning Director. An arborist's report may be required for sites with mature trees that are protected under Chapter 3.3 – Landscaping, Street Trees, Fences, and Walls.
6. Sign drawings shall be required in conformance with Chapter 3.6 – Signs.
 7. Copies of all existing and proposed restrictions or covenants.
 8. Letter or narrative report documenting compliance with the applicable approval criteria contained in Chapter 4.2.6 – Site Design Approval Criteria.
 9. Uses that are likely to generate significant levels of vehicle traffic (e.g., due to shipping, receiving, and/or customer traffic) shall require a Conditional Use Permit, in accordance with Chapter 4.4 – Conditional Use Permits. “Significant traffic” means that the average number of daily trips, or the average number of peak hour trips, on any existing street would increase by 15 percent or greater as a result of the development. The city may require a traffic impact analysis prepared by a qualified professional prior to deeming a land use application complete, and determining whether the proposed use requires conditional use approval. Applicants may be required to provide a traffic analysis for review by Oregon Department of Transportation (ODOT) for developments that increase traffic on state highways. The Conditional Use Permit shall include appropriate transportation improvement requirements, as identified by the traffic analysis and/or ODOT, in conformance with Chapter 3.5.2 – Transportation Standards.
- B. Site Design Review Additional Information for Overlay Zones.** An application for Site Design Review for a property located in an overlay zone shall include the following information:
1. For properties within the Trip Budget Overlay Zone (Chapter 2.9), submit a traffic analysis for review by Oregon Department of Transportation (ODOT).

4.2.6 – Site Design Approval Criteria

The Planning Director shall make written findings with respect to all of the following criteria when approving, approving with conditions, or denying an application:

- A. The application is complete, as determined in accordance with Chapter 4.1 – Types of Applications and Review Procedures and Chapter 4.2.5 – Site Design Review Application Submission Requirements, above.
- B. The application complies with the all of the applicable provisions of the underlying Land Use District (Chapter 2), including: building and yard setbacks, lot area and dimensions, density and floor area, lot coverage, building height, building orientation, architecture, and other special standards as may be required for certain land uses;
- C. The applicant shall be required to upgrade any existing development that does not comply with the applicable land-use district standards, in conformance with Chapter 5.3 – Non-Conforming Uses and Developments;
- D. The application complies with the Design Standards contained in Chapter 3. All of the following standards shall be met:

- Chapter 3.2 – Access and Circulation
 - Chapter 3.3 – Landscaping, Street Trees, Fences, and Walls
 - Chapter 3.4 – Vehicle and Bicycle Parking
 - Chapter 3.5 – Street and Public Facilities Standards
 - Chapter 3.6 – Signs
 - Chapter 3.7 – Environmental Constraints
 - Chapter 3.8 – Storm and Surface Water Management Standards
 - Chapter 3.9 – Erosion Prevention and Sediment Control
 - Chapter 3.10 – Other Design Standards
- E. Conditions required as part of a Land Division (Chapter 4.3 – Land Divisions and Lot Line Adjustments), Conditional Use Permit (Chapter 4.4 – Conditional Use Permits), Planned Unit Developments (Chapter 4.5 – Planned Unit Developments), or other approval shall be met.
10. Exceptions to criteria D.1-6, above, may be granted only when approved as a Variance (Chapter 5.2 – Variances)

4.4.4 – Criteria, Standards, and Conditions of Approval

The Planning Commission shall approve, approve with conditions, or deny an application for a conditional use or to enlarge or alter a Conditional Use based on findings of fact with respect to each of the following standards and criteria:

A. Use Criteria

1. The use is listed as a Conditional Use in the underlying district;
2. The characteristics of the site are suitable for the proposed use considering size, shape, location, topography, existence of improvements and natural features;
3. The site and proposed development are timely, considering the adequacy of transportation systems, public facilities and services existing or planned for the area affected by the use;
4. The proposed use will not alter the character of the surrounding area in a manner that substantially limits, impairs, or precludes the use of surrounding properties for the primary uses listed in the underlying district;
5. The proposal satisfies the goals and policies of the City Comprehensive Plan that apply to the proposed use.

B. Site Design Standards. The criteria in Chapter 4.2.6 – Site Design Approval Criteria shall be met.

C. Conditions of Approval. The Planning Commission may impose conditions that are found necessary to ensure that the use is compatible with other uses in the vicinity, and that the negative impact of the proposed use on the surrounding uses and public facilities is minimized. These conditions include, but are not limited to, the following:

1. Limiting the hours, days, place, and/or manner of operation;

Applicant's Response: *The proposed use shall adhere to all State of Oregon ORS 467 'Noise Control' rules and Phoenix Municipal Codes under Section 8.04.190 'Noises Prohibited'. Proposed use falls under Phoenix Municipal Code Section 8.04.200 'Exemptions'*

as a qualifying outdoor school activity. The proposal will follow any conditions of approval that limit the approved hours of operation for tennis court use, including lighting, that are proposed by the agency having jurisdiction. The proposed use shall not encroach into the designated quiet hours listed in the Phoenix Municipal Code between 10pm and 7am.

2. Requiring site or architectural design features that minimize environmental impacts such as noise, vibration, exhaust/emissions, light, glare, erosion, odor and/or dust, no roof-mounted equipment;
3. Requiring larger setback areas, lot area, and/or lot depth or width;
4. Limiting the building height, size or lot coverage, and/or location on the site;
5. Designating the size, number, location, and/or design of vehicle access points or parking areas and covered bicycle parking;
6. Requiring street right-of-way to be dedicated and streets, sidewalks, curbs, planting strips, pathways, or trails to be improved;
7. Requiring landscaping, screening, drainage, water quality facilities, and/or improvement of vehicle parking, covered bicycle parking and loading areas;
8. Limiting the number, size, location, height, and/or lighting of signs;
9. Limiting or setting standards for the location, design, and/or intensity of outdoor lighting;
10. Requiring berms, screening or landscaping and the establishment of standards for their installation and maintenance;
11. Requiring and designating the size, height, location, and/or materials for fences;
12. Requiring the protection and preservation of existing trees, soils, vegetation, watercourses, habitat areas, drainage areas, historic resources, cultural resources, and/or sensitive lands;
13. Requiring the dedication of sufficient land to the public, and/or construction of pedestrian/bicycle pathways in accordance with the adopted plans. Dedication of land and construction shall conform to the provisions of Chapter 3.2 – Access and Circulation;
14. Trash enclosures shall be screened and located towards the rear of the site.
15. The applicant shall meet a defined time limit to meet development conditions.
16. The Planning Commission may require any other reasonable restriction, condition or safeguard that would mitigate the zoning ordinance, and adverse effects upon the neighborhood properties by reason of the use, extension, construction or alteration allowed as set forth in the findings of the Planning Commission.

4.6.1 – Minor Modifications

- A. Minor modification defined.** Any modification to a land use decision or approved development plan that is not within the description of a major modification as provided in Chapter 4.6.3 – Major Modifications, above, shall be considered a minor modification.
- B. Minor Modification Request.** An application for approval of a minor modification is reviewed using Type II procedure in Chapter 4.1.4 – Type II Procedure (Administrative). A minor modification shall be approved, approved with conditions, or denied by the Planning Director based on written findings on the

following criteria:

1. The proposed development is in compliance with all applicable requirements of the Development Code; and
2. The modification is not a major modification as defined in Chapter 4.6.3 – Major Modifications.

Applicant's Response: *The CUP will require a minor modification as defined in this section. We do not believe that the changed to the existing CUP require a major modification as defined below.*

Chapter 4.6 – Modifications to Approved Plans and Conditions of Approval

4.6.3 – Major Modifications

A. Major Modifications Defined. The Planning Director shall determine that a major modification is required if one or more of the changes listed below are proposed:

1. A change in land use, if new use will adversely impact adjoining properties or if no prior permit exists;
2. An increase in the number of dwelling units;
3. A change in the type and/or location of access ways, drives, or parking area that affect off- site traffic;
4. An increase in the floor area proposed for non-residential use by more than 10 percent where previously specified;
5. A reduction of the area reserved for common open space and/or usable open space so long as the resulting area satisfies the minimum open space requirement as established by the original approval;
6. A reduction to specified setback requirements by more than 10 percent, or to a degree that the minimum setback standards of the land use district cannot be met; or
7. Changes similar to those listed in 1-6, which are likely to have an adverse impact on adjoining properties.

PHOENIX HIGH SCHOOL TENNIS COURTS

PHOENIX, OR 97535



45 Hawthorne Street, Suite 5, Medford,
Oregon 97504 | 541-500-8588

PHOENIX-TALENT SD
873 N. ROSE ST.
PHOENIX, OR 97535

PHOENIX HIGH SCHOOL TENNIS COURTS



CIVIL LEGEND

HATCHES & LINE TYPES:

	NEW CONCRETE PAVING - UN-REINFORCED
	NEW TENNIS COURT SURFACE
	NEW STORMWATER SWALE
	ASPHALT PATHWAY REPAIR
	CONCRETE RAMP
	LANDSCAPE REPAIR
	GRAVEL SHOULDER REPAIR
	10' CHAIN LINK FENCING IN 12" CURB
	EXISTING STORMWATER PIPE
	STORMWATER PIPE
	EXISTING PERFORATED DRAIN PIPE
	PERFORATED DRAIN PIPE
	EXISTING SURFACE CONTOUR - MAJOR
	EXISTING SURFACE CONTOUR - MINOR
	NEW SURFACE CONTOUR - MAJOR
	NEW SURFACE CONTOUR - MINOR
	EXISTING FENCING
	EXISTING ABANDONED STORM PIPE
	EXISTING ABANDONED SANITARY PIPE
	EXISTING ABANDONED WATER PIPE

SYMBOLS (NEW):

	GRADE SPOT ELEVATION
	GRADING SLOPE
	DISCHARGE CONTROL STRUCTURE
	CLEANOUT
	PEDESTRIAN SITE LIGHTING
	IRRIGATION VALVE
	JUNCTION BOX

SYMBOLS (EXISTING):

	GRADE SPOT ELEVATION
	PEDESTRIAN SITE LIGHTING
	SIGN
	TREE
	IRRIGATION VALVE
	WATER VALVE
	CLEANOUT
	JUNCTION BOX
	CATCH BASIN
	STORM DRAIN MANHOLE
	STORMTECH SUBSURFACE DETENTION SYSTEM

ABBREVIATIONS

APWA	AMERICAN PUBLIC WORKS ASSOCIATION
ASTM	AMERICAN STANDARD TEST METHOD
AWWA	AMERICAN WATER WORKS ASSOCIATION
AC	ASPHALT
BMP	BEST MANAGEMENT PRACTICE
BOW	BOTTOM OF WALL
CO	CLEANOUT RISER
CONC	CONCRETE
DEQ	DEPARTMENT OF ENVIRONMENTAL QUALITY
DCS	DISCHARGE CONTROL STRUCTURE
DWG	DRAWING
EPA	ENVIRONMENTAL PROTECTION AGENCY
ESC	EROSION AND SEDIMENT CONTROL
(E)	EXISTING
EG	EXISTING GRADE
FG	FINISHED GRADE
GC	GENERAL CONTRACTOR
GB	GRADE BREAK
GRD	GROUND
HDPE	HIGH-DENSITY POLYETHYLENE
HMAC	HOT MIX ASPHALT CONCRETE
IE	INVERT ELEVATION
LF	LINEAL FEET
MAX	MAXIMUM
MIN	MINIMUM
(N)	NEW
NAVD	NORTH AMERICAN VERTICAL DATUM
OC	ON CENTER
ODOT	OREGON DEPARTMENT OF TRANSPORTATION
OSSC	OREGON STRUCTURAL SPECIALTY CODE
PPNL	PACIFIC POWER CORP
PG	PERFORMANCE GRADE
PVC	POLYVINYL CHLORIDE
ROW	RIGHT-OF-WAY
RVSS	ROGUE VALLEY SEWER SERVICES
SDCO	STORM DRAIN CLEANOUT
SDMH	STORM DRAIN MANHOLE
SRW	SEGMENTAL RETAINING WALL
SW	SIDEWALK
TOC	TIME OF CONSTRUCTION
TOF	TOP OF FENCE
TBC	TOP OF BACK OF CURB
TFC	TOP OF FACE OF CURB
TOW	TOP OF WALL
TYP	TYPICAL
UPC	UNIFORM PLUMBING CODE

PROJECT INFORMATION

PROJECT TEAM

OWNER REPRESENTATIVE
JON McCALIP
DIRECTOR OF FACILITIES & SPECIAL PROJECTS
PHOENIX-TALENT SCHOOL DISTRICT 4
873 N. ROSE STREET
PHOENIX, OREGON 97535
(541) 210-0189

ENGINEER OF RECORD
ZACHARY A. STOKES, PE
CONTACT: MALIA WATERS
ZCS ENGINEERING & ARCHITECTURE
45 HAWTHORNE STREET
MEDFORD, OREGON 97504
(541) 500-8588

SURVEYOR
JOHN R. PARIANI, PLS
PARIANI LAND SURVEYING
17 S PLATT STREET SUITE C
EAGLE POINT, OREGON 97524
(541) 890-1131

LOT INFORMATION:

SITE LOCATION: PHOENIX HIGH SCHOOL
745 N. ROSE STREET
PHOENIX, OREGON 97535

TAX MAP: T38S-R01W-S09D SE 1/4

TAX LOT: 600

LOT SIZE: ±21.01 ACRES

AREA OF IMPACT: ±43,866 SF = 1.01 ACRES

ZONING: MDR - MEDIUM DENSITY RESIDENTIAL

PERMITTED USE: CUP

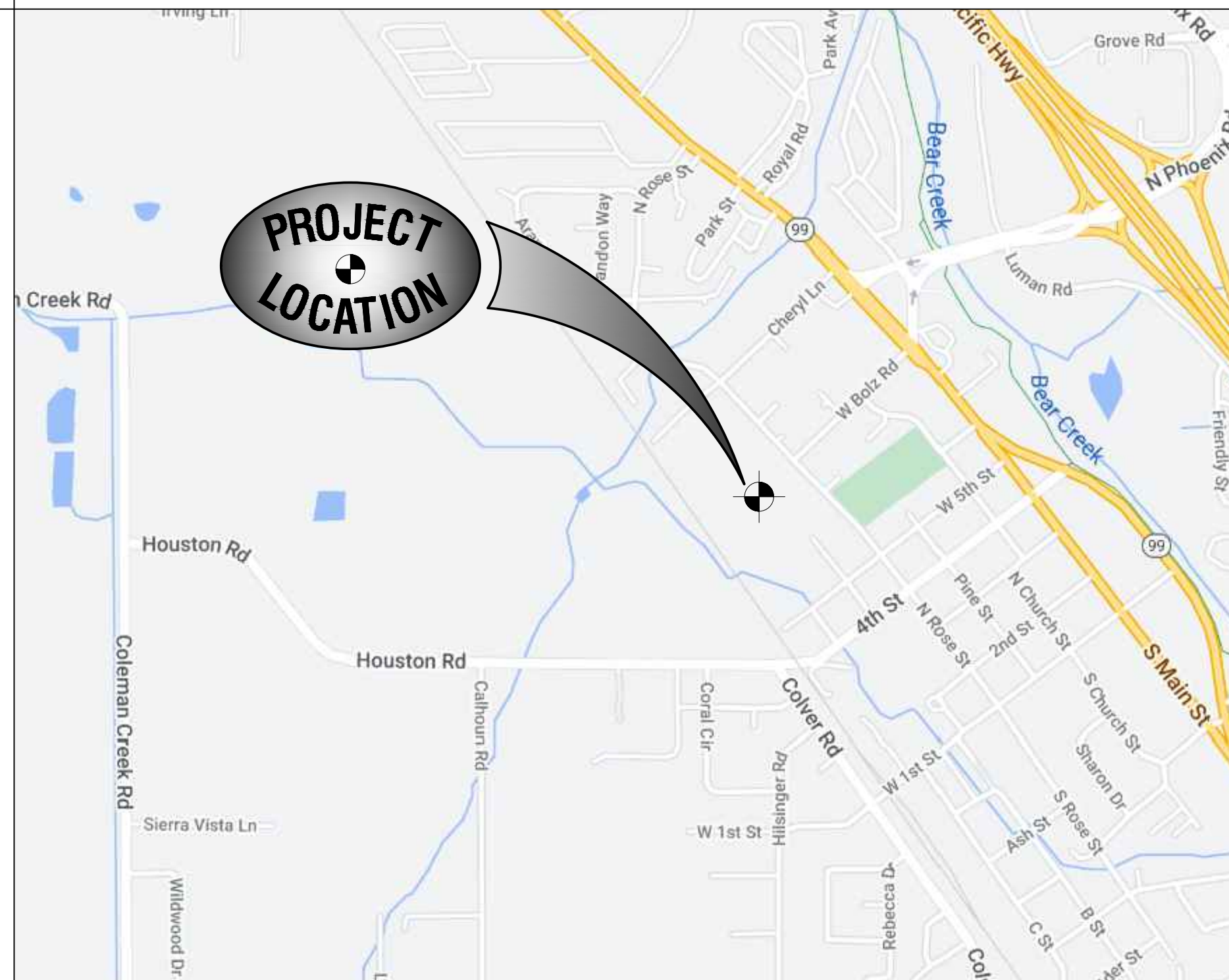
MAXIMUM HEIGHT: 35'

SETBACKS: FRONT: 15' REAR: 10' SIDES: 5'

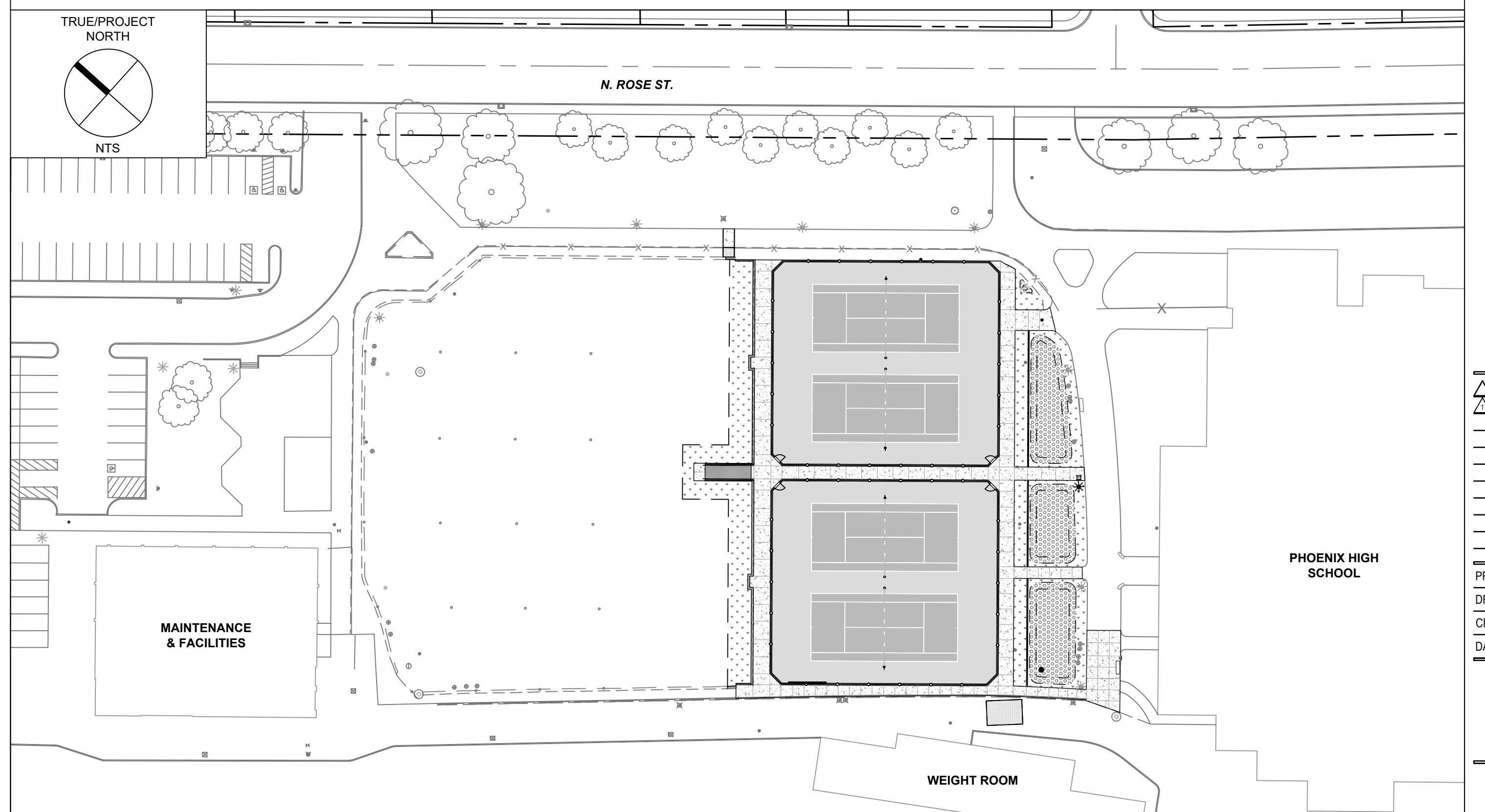
ATTENTION:
OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987).

TENNIS COURT SURFACING AND STRIPING BY OTHERS. SHOWN FOR REFERENCE, NOT IN BID SCOPE.

VICINITY MAP



SITE PLAN



SHEET INDEX

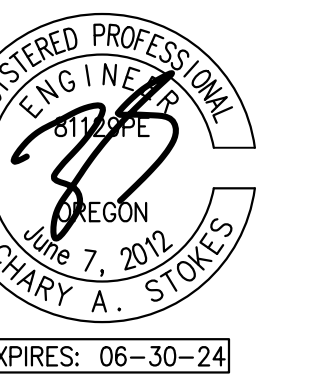
CIVIL SHEETS

C0.00	CIVIL COVER SHEET
C0.10	CIVIL NOTES
C1.00	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.00	CIVIL SITE PLAN
C2.10	TENNIS COURT STRIPING AND DIMENSIONING PLAN
C3.00	GRADING, DRAINAGE, AND UTILITY PLAN
C4.00	PRIVATE CIVIL DETAILS
C4.10	PRIVATE CIVIL DETAILS
C5.00	ESC COVER SHEET
C5.01	ESC NOTES
C5.02	ESC NOTES
C5.10	EXISTING CONDITIONS AND MOBILIZATION ESC PLAN
C5.11	DEMOLITION AND CLEARING ESC PLAN
C5.12	MASS GRADING AND UTILITY INSTALLATION ESC PLAN
C5.13	PAVING ESC PLAN
C5.14	LANDSCAPING AND FINAL SITE STABILIZATION ESC PLAN
C5.20	ESC DETAILS
C5.21	ESC DETAILS

LANDSCAPE SHEETS

L1.00	OVERALL IRRIGATION SITE KEY
L1.01	IRRIGATION DEMOLITION PLAN
L1.10	NORTH IRRIGATION PLAN
L1.20	EAST IRRIGATION PLAN
L1.30	SOUTH IRRIGATION PLAN
L1.40	WEST IRRIGATION PLAN
L2.00	PLANTING PLAN
L2.10	SEEDING PLAN
L3.00	LANDSCAPE DETAILS

ONE INCH EQUALS FULL SCALE



REVISION ID:	DATE:
RVSS #1	03-29-24
PROJECT NO:	M-0348-23
DRAWN:	LRS
CHECKED:	MKW
DATE:	01/12/2024

CIVIL COVER SHEET

C0.00

BID & PERMIT SET

INSPECTION TESTING AND FREQUENCY TABLE		NOTE 1
STREETS, PARKING LOTS, FILLS, ETC.		
SUB-GRADE: 1 TEST PER 4,000 sqft PER LIFT (4 TESTS MIN.)		NOTE 2 AND 3
ENGINEERED FILL: 1 TEST PER 4,000 sqft PER LIFT (4 TESTS MIN.)		NOTE 2 AND 4
BASEROCK: 1 TEST PER 4,000 sqft PER LIFT (4 TESTS MIN.)		NOTE 2 AND 3
ASPHALT: 1 TEST PER 6,000 sqft PER LIFT (4 TESTS MIN.)		NOTE 2
UTILITY TRENCHING		
TRENCH BACKFILL: 1 TEST PER 200 LINEAL FEET PER LIFT (4 TESTS MIN.)		NOTE 2
TRENCH ASPHALT RESTORATION: 1 TEST PER 300 LINEAL FEET PER LIFT (4 TESTS MIN.)		NOTE 2
SITE CONCRETE		
SLUMP, AIR AND CYLINDERS FOR ALL SITE CONCRETE AND PCC PAVEMENTS. UNLESS OTHERWISE SPECIFIED, ONE SET OF CYLINDERS PER 100 CUBIC YARDS (OR PORTION THEREOF) OF CONCRETE POURED PER DAY. SLUMP AND AIR TESTS REQUIRED ON SAME LOAD AS CYLINDERS.		NOTE 2
BUILDING PERMIT INSPECTION AND SPECIAL INSPECTIONS FOR STRUCTURAL CONCRETE, MASONRY, EPOXY ANCHORS, ETC. AS REQUIRED BY PROJECT STRUCTURAL ENGINEER AND CURRENT BUILDING CODES.		NOTE 2
RETAINING WALLS		
BUILDING PERMIT INSPECTION AND SPECIAL INSPECTION, AS WELL AS COMPACTION TESTING ON BACKFILL, AS REQUIRED BY PROJECT ENGINEER AND CURRENT BUILDING CODES.		NOTE 2 AND 4
INSPECTION TESTING AND FREQUENCY SPECIAL NOTES		
NOTE 1:	CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ANY AND ALL TESTING, INSPECTIONS, AND SPECIAL INSPECTIONS AS REQUIRED BY PROJECT ENGINEER, CURRENT BUILDING CODES OR JURISDICTIONS HAVING AUTHORITY. ALL TESTING MUST BE COMPLETED AND APPROVED PRIOR TO SUBSEQUENT WORK. ADDITIONAL OR FREQUENT TESTS MAY BE REQUIRED BY AGENCY, BUILDING OFFICIAL, OR ENGINEER.	
NOTE 2:	TESTING MUST BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY RETAINED BY THE OWNER.	
NOTE 3:	IN ADDITION TO IN-PLACE DENSITY TESTING, THE SUB-GRADE AND BASE ROCK SHALL BE PROOF-ROLLED WITH A LOADED DUMP TRUCK OR HEAVY NON-VIBRATORY ROLLER. SOILS SHALL BE REMOVED AND RE-COMPACTED OR REPLACED WITH APPROVED IMPORTED STRUCTURAL FILL IF THEY DO NOT DEMONSTRATE A FIRM, UNYIELDING CONDITION. BASEROCK PROOF-ROLL SHALL TAKE PLACE WITHIN 24 HOURS PRIOR TO PAVING AND SHALL BE WITNESSED BY THE ENGINEER OR GOVERNING AGENCY (LOCATION DEPENDENT).	
NOTE 4:	THE APPROVED INDEPENDENT LABORATORY SHALL PROVIDE CERTIFICATION (STAMPED BY A ENGINEER LICENSED IN THE STATE OF OREGON) THAT THE SUB-GRADE WAS PREPARED AND ALL ENGINEERED FILLS WERE PLACED IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND DOCUMENTS.	

EROSION CONTROL NOTE:

DRAWINGS C5.00 THROUGH C5.21 CONTAIN AN EROSION AND SEDIMENT CONTROL PLAN THAT MUST BE IMPLEMENTED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE INFORMATION CONTAINED WITHIN THE REFERENCED DRAWINGS SHALL BE CONSIDERED A MINIMUM AND SHALL BE MODIFIED AS REQUIRED BY THE CONTRACTOR AND RVSS INSPECTOR, TO CONTAIN ALL SEDIMENT ON SITE. SPECIAL ATTENTION SHALL BE TAKEN AT ALL EXISTING STORM DRAIN CATCH BASINS AND STORM DRAIN CHANNELS AS TO ELIMINATE ANY SEDIMENT TRANSFER INTO THE EXISTING STORM DRAIN SYSTEM.

AN ALL WEATHER ROCK SURFACE SHALL BE PROVIDED AT ALL CONSTRUCTION SITE ENTRANCES. CONTRACTOR MAY ELECT TO USE EXISTING GRAVEL PAVING, AC PAVING, ETC. (IF ACCEPTABLE TO RVSS INSPECTOR). ALL CONSTRUCTION SHALL BE MAINTAINED WITHIN THE DEVELOPMENT LIMITS OF THIS PHASE. REFER TO DRAWINGS C5.00 THROUGH C5.21 FOR ADDITIONAL INFORMATION.

UTILITY STATEMENT:

EXISTING UNDERGROUND UTILITIES ILLUSTRATED IN THESE PLANS ARE APPROXIMATED BASED ON FILES OBTAINED FROM PHOENIX HIGH SCHOOL, OR HAVE BEEN LOCATED BY A UTILITY LOCATE COMPANY. LAYOUT INDICATED IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. ALL LINES WITHIN PROJECTED WORK ZONE SHALL BE FIELD VERIFIED AS REQUIRED PRIOR TO CONSTRUCTION.

RESTORATION STATEMENT:

CONTRACTOR SHALL RESTORE BACK TO ORIGINAL CONDITION, PRIOR TO CONTRACT COMPLETION, ALL DISTURBED SURFACES IMPACTED DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONSTRUCTION ACCESS, SIDEWALKS, CURBS, ASPHALT, LAWN AND LANDSCAPE AREAS, ETC. DISTURBED AREAS TO BE GRADED SMOOTH AND ADEQUATELY SLOPED TO DRAIN. AREA SHALL BE CLEAN AND FINISH GRADED BEFORE FINAL DEMOBILIZATION. COORDINATE WITH ENGINEER AND OWNER AT THE TIME OF PROJECT CONSTRUCTION COMPLETION.

GENERAL CIVIL NOTES:

- ALL WORK AND MATERIALS SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT OREGON PLUMBING SPECIALTY CODE, AND ALL APPLICABLE STATE, CITY, AND COUNTY REGULATIONS AND STANDARDS. CONTACT ENGINEER FOR DIRECTIVE IN THE EVENT OF CONFLICTING STANDARDS.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE GOVERNING AGENCY'S INSPECTOR AND SHALL CONFORM TO THAT AGENCY'S CURRENT ENGINEERING STANDARD SPECIFICATIONS AND DETAILS.
- THE GENERAL CONTRACTOR AND ALL THEIR AFFILIATES SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ALL CONSTRUCTION STAKING, GRADE SURVEYING, AND HORIZONTAL LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF OREGON; COORDINATE WITH ENGINEER PRIOR TO CONSTRUCTION.
- ALL EXISTING UTILITIES IDENTIFIED IN THIS PLAN SET ARE NOT INTENDED TO BE EXACT OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL UTILITIES AND PROTECT AS REQUIRED DURING THE COURSE OF CONSTRUCTION. CALL THE "OREGON UTILITY NOTIFICATION CENTER" AT 1-800-332-2344 TO LOCATE EXISTING UTILITIES, 48 HOURS BEFORE DIGGING.
- CONTRACTOR SHALL NOTIFY ALL APPLICABLE REGULATORY AGENCIES AND UTILITY COMPANIES 48 HOURS PRIOR TO BEGINNING WORK.
- ALL EXCAVATION, TRENCH BACK FILL, PARKING LOT/ROAD SUB-GRADE, FLAT WORK SUB-GRADE, COMPACTION REQUIREMENTS, ETC. SHALL BE AS NOTED IN THE SITE PREPARATION NOTES.
- ALL BASE ROCK PLACED UNDER PAVEMENT AND IN UTILITY TRENCHES SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- ALL ASPHALT CONCRETE AND PORTLAND CEMENT CONCRETE PAVEMENT AND ITS PLACEMENT SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- ALL SITE CONCRETE SHALL BE $f_c = 3,500$ psi @ 28 DAYS, 6% ENTRAINED AIR, 4" SLUMP (UNLESS NOTED OTHERWISE).
- ALL UTILITY SERVICES SHALL BE INSTALLED PER THE RESPECTIVE UTILITY CODES AND STANDARDS.
- ALL UTILITIES SHALL HAVE A MINIMUM COVER AS IDENTIFIED IN THE PLAN SET OR AS OTHERWISE SPECIFIED BY THE RESPECTIVE UTILITY COMPANY.
- ALL SERVICES SHALL BE ADEQUATELY MARKED AS TO IDENTIFY THE SIZE, TYPE, AND DEPTH OF THE SERVICE. CONTRACTOR TO PROVIDE LOCATE WIRE/TAPE AS REQUIRED BY THE APPLICABLE AGENCIES.
- ALL UNDERGROUND UTILITIES AND SERVICE LATERALS SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS AND GUTTERS. CONTRACTOR SHALL STAMP CURBS OR SIDEWALKS (AS APPLICABLE) TO MARK THE LOCATIONS OF ALL SERVICE LINES (S - SANITARY, W - WATER, D - STORM DRAIN, G - GAS).
- ALL SERVICES AND SLEEVES SHALL BE PLUGGED AS REQUIRED TO ENSURE THAT NO FOREIGN MATERIALS ENTER THE LINE.
- GAS, POWER, TELEPHONE, CABLE, AND FIBER OPTIC LINES SHALL BE INSTALLED BASED ON THE PLANS AND SPECIFICATIONS PROVIDED BY THE APPLICABLE UTILITY COMPANIES. APPROXIMATE UTILITY LOCATIONS HAVE BEEN PROVIDED ON THIS PLAN SET AS A REFERENCE. CONTRACTOR SHALL COORDINATE TRENCH EXCAVATIONS, CONDUIT INSTALLATIONS, BEDDING, BACKFILLING, AND INSPECTION REQUIREMENTS WITH THE APPROPRIATE UTILITY REPRESENTATIVES.
- CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AN AS-BUILT DRAWING OF ALL UTILITY SERVICE INSTALLATIONS INCLUDING THE SERVICE SIZE, TYPE, DEPTH OF MAIN, TYPE OF CONNECTION AT MAIN, INSTALLATION DATE, LOCATION, AND SKETCH (AS APPLICABLE).
- CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. COORDINATE WITH THE ENGINEER PRIOR TO CONSTRUCTION TO IDENTIFY PERMIT REQUIREMENTS.
- STORM COLLECTION SYSTEM IS DESIGNED FOR WATER TIGHT COMPONENTS, UNLESS NOTED OTHERWISE.
- ALL STORM PIPE IDENTIFIED AS "PVC" SHALL BE ASTM D 3034 - SDR 35. ALL STORM PIPE IDENTIFIED AS "HDPE" SHALL BE ADVANCED DRAINAGE SYSTEMS "N-12 WT/IB". SEE PLAN SET FOR ADDITIONAL INFORMATION.
- ALL STORM COLLECTION SYSTEM CONNECTIONS AND COMPONENTS SHALL CONFORM TO PIPE MANUFACTURER REQUIREMENTS. CONTRACTOR TO COORDINATE FINAL STORM SYSTEM LAYOUT WITH ENGINEER AND STORM SYSTEM SUPPLIER PRIOR AT TIME OF CONSTRUCTION. STORM SYSTEM COMPONENT SHOP DRAWINGS SHALL BE PROVIDED FOR ENGINEER'S REVIEW PRIOR TO CONSTRUCTION.
- ALL AREA DRAINS SHALL BE AS IDENTIFIED ON PLAN SET. ALL STORM SYSTEM AREA DRAINS SHALL BE PROVIDED WITH A MINIMUM 24" SETTLEMENT SLUMP BELOW THE LOWEST PIPE INVERT (UNLESS NOTED OTHERWISE) AND A POLLUTION CONTROL HOOD AND TRAP SYSTEM. REFER TO PLAN SET FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL PROVIDE ENGINEER WITH SHOP DRAWING SUBMITTALS ON ALL PERMANENTLY INSTALLED MANUFACTURED ITEMS.
- ALL UNDERGROUND PIPING, CONDUIT AND OTHER UTILITIES SHALL BE INSTALLED PER ZCS DETAIL 4 AND 5 ON SHEET C4.10. NOTIFY ENGINEER IN EVENT OF DISCREPANCIES.
- ALL TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC SHALL BE BY THE CONTRACTOR AND CONFORM WITH BOTH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE ODOT MANUAL ON SHORT TERM TRAFFIC CONTROL (AS APPLICABLE).
- PREPARATION OF ALL LANDSCAPED AREAS SHALL BE AS NOTED ON THE LANDSCAPE PLANS. THE ENGINEER SHALL INSPECT ALL LANDSCAPE PLANTER GRADES PRIOR TO RECEIVING FINAL SURFACE TREATMENT.
- HOLD SUB-GRADE ELEVATIONS DOWN 6" AT LAWN AREAS AND 12" AT PLANTERS. REFER TO CIVIL PLANS FOR RVSS TOP SOIL REQUIREMENTS.
- SEE LANDSCAPE PLANS FOR IRRIGATION SLEEVE PLACEMENT LOCATIONS AND REQUIREMENTS.
- ALL PAINTED MARKINGS SHALL BE INSTALLED WITH FAST DRYING TRAFFIC LINE PAINT APPLIED IN TWO SEPARATE APPLICATIONS PER THE OREGON APWA / ODOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- SAND SEAL AND TACK ALL CUT ASPHALT EDGES WHEN PLACING NEW ASPHALT ADJACENT TO EXISTING ASPHALT.
- SEE PLAN SET FOR ADDITIONAL INFORMATION.

SITE PREPARATION NOTES:

- #### CLEARING AND GRUBBING -
- ALL AREAS BELOW ASPHALT/CONCRETE PAVEMENT SHALL BE CLEARED AND GRUBBED OF ALL PAVEMENT, FOREIGN MATTER, DEBRIS, ORGANIC AND DISTURBED MATERIAL, (U.N.O.) STRIPPING DEPTHS WILL VARY DEPENDING ON LOCATION AND PAVEMENT SECTION REQUIREMENTS. ALL EXPOSED MATERIAL SHALL BE MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM PRIOR TO PLACEMENT OF FILL MATERIAL DESCRIBED BELOW.
 - ALL CLEARED AND GRUBBED MATERIAL NOT UTILIZED FOR THE PROJECT SHALL BE REMOVED FROM THE CONSTRUCTION SITE. CONTRACTOR SHALL COORDINATE APPROVED DISPOSAL LOCATION.
 - ALL AREAS WITH ABANDONED UTILITY LINES, STORM DRAINS, UNDERGROUND TANKS, ETC. WHICH PROVIDE VOID SPACE BENEATH THE SURFACE SHALL BE LOCATED AND REMOVED PRIOR TO GRADING ACTIVITIES.
 - ALL HOLES, DEPRESSIONS, AND UNDISTURBED NATIVE MATERIAL SHALL BE CLEARED OF ALL LOOSE AND ORGANIC MATERIAL PRIOR TO BACKFILLING WITH APPROVED STRUCTURAL FILL.
 - AFTER CLEARING THE ABOVE MENTIONED AREAS, ALL EXPOSED SUB-GRADE SHALL BE PROOF ROLLED WITH A LOADED DUMP TRUCK OR HEAVY NON-VIBRATORY ROLLER. SOILS SHALL BE REMOVED AND RECOMPACTED OR REPLACED WITH APPROVED IMPORTED STRUCTURAL FILL IF THEY DO NOT DEMONSTRATE A FIRM, UNYIELDING CONDITION. CIVIL ENGINEER OF RECORD SHALL APPROVE SUB-GRADE SURFACE PRIOR TO STRUCTURAL FILL IMPORT EXPLAINED BELOW.
- #### STRUCTURAL FILL PLACEMENT AND COMPACTION
- APPROVED STRUCTURAL FILL SHALL BE IMPORTED AND PLACED BENEATH AREAS RECEIVING ASPHALT AND/OR CONCRETE PAVEMENT.
 - TENNIS COURTS SHALL BE PROVIDED WITH AN APPROVED WOVEN GEOTEXTILE FABRIC APPLIED DIRECTLY OVER THE SUB-GRADE DESCRIBED ABOVE. SEE PLAN SET FOR ADDITIONAL DETAILS.
 - STRUCTURAL FILL MATERIALS SHALL BE APPROVED BY THE CIVIL ENGINEER OF RECORD PRIOR TO IMPORTING. ALL FILL SHALL BE FREE OF ORGANIC AND EXPANSIVE CLAY MATERIAL. ALL BASE ROCK SHALL CONFORM TO THE SPECIFICATIONS IDENTIFIED IN THE PLAN SET.
 - STRUCTURAL FILL PLACEMENT LIFTS TO BE DETERMINED BY THE CIVIL ENGINEER OF RECORD BASED ON MATERIAL PROPERTIES AND TYPE OF COMPACTION EQUIPMENT USED. BASE ROCK PLACEMENT LIFTS SHALL NOT EXCEED 8". EACH LIFT SHALL BE NEARLY EQUAL IN THICKNESS AND COMPACTED TO A MINIMUM OF 95% OF ASTM D698. FILLS SHALL BE PLACED AT OR SLIGHTLY ABOVE THEIR OPTIMUM MOISTURE CONTENT.

SPECIAL CONCRETE NOTES:

THE FOLLOWING NOTES APPLY TO ALL PROJECT CONCRETE. CERTAIN NOTES MAY NOT BE APPLICABLE. CONTACT THE ENGINEER OF RECORD FOR CLARIFICATION AS REQUIRED:

- ALL FLATWORK CONCRETE TO BE $f_c = 3,500$ PSI UNLESS NOTED OTHERWISE. ALL RETAINING WALL CONCRETE TO BE $f_c = 4,000$ PSI UNLESS NOTED OTHERWISE. PROVIDE STANDARD CONCRETE TESTING PUCKS FROM CONCRETE SUPPLIER.
- ALL CONCRETE TO HAVE 6% ($\pm 1\%$) AIR ENTRAINMENT
- PERFORM WORK IN ACCORDANCE WITH ACI 301 AND ACI 318. FOLLOW RECOMMENDATIONS OF ACI 305R WHEN CONCRETING DURING HOT WEATHER AND ACI 306R WHEN CONCRETING DURING COLD WEATHER. PLACE CONCRETE IN ACCORDANCE WITH ACI 304R. ENSURE REINFORCEMENT, INSERTS, EMBEDDED PARTS, FORMED JOINTS ARE NOT DISTURBED DURING CONCRETE PLACEMENT. PLACE CONCRETE CONTINUOUSLY OVER THE FULL WIDTH OF THE PANEL AND BETWEEN PREDETERMINED CONSTRUCTION JOINTS
- ALL CONCRETE SHALL BE PLACED OVER 4" MINIMUM LAYER (UNLESS NOTED OTHERWISE) OF APPROVED 3/4" MINUS ODOT SPEC CRUSHED ROCK COMPACTED TO 95% AASHTO T-99 OVER APPROVED COMPACTED (ASTM D698) STRUCTURAL FILL AS REQUIRED FOR GRADE OVER FIRM, UNDISTURBED, NON-ORGANIC NATIVE MATERIAL. THE EXISTING SITE SHALL BE CLEARED AND GRUBBED OF ALL ORGANIC AND/OR EXPANSIVE MATERIAL PRIOR TO STRUCTURAL FILL IMPORT
- ALL BACKFILL SHALL BE NON-ORGANIC, NON-EXPANSIVE GRANULAR MATERIAL COMPACTED TO 95% PROCTOR
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615/A 615M GRADE 60 (420); DEFORMED BILLET STEEL BARS; UNFINISHED FINISH. STEEL WELDED WIRE REINFORCEMENT SHALL BE PLAIN TYPE; ASTM A 185/A 185M; IN FLAT SHEETS; UNFINISHED. DOWELS SHALL CONFORM TO ASTM A 615/A 615M GRADE 40 (280); DEFORMED BILLET STEEL BARS; UNFINISHED FINISH. ALL TIE WIRE SHALL BE A MINIMUM OF #16 ANNEALED STEEL.
- PLACE AND SECURE FORMS TO CORRECT LOCATION, DIMENSION, PROFILE, AND GRADIENT. ASSEMBLE FORMWORK TO PERMIT EASY STRIPPING AND DISMANTLING WITHOUT DAMAGING CONCRETE. PLACE JOINT FILLER VERTICAL IN POSITION, IN STRAIGHT LINES. SECURE TO FORMWORK DURING CONCRETE PLACEMENT. HOLD TOP OF PRE-MOLDED JOINT FILLER DOWN 1/2" AND SEAL UPPER 3/8" WITH APPROVED JOINT SEAL MATERIAL.
- RETAINING WALLS TO BE AT MINIMUM 80% DESIGN STRENGTH AND 7 DAYS CURE PRIOR TO ANY BACKFILL PLACEMENT.
- NO HORIZONTAL CONSTRUCTION JOINTS PERMITTED
- MAXIMUM VARIATION OF SURFACE FLATNESS SHALL NOT EXCEED 1/4 INCH IN 10 FT AND MAXIMUM VARIATION FROM TRUE POSITION SHALL NOT EXCEED 1/4 INCH
- IMMEDIATELY AFTER PLACEMENT, PROTECT PAVEMENT FROM PREMATURE DRYING, EXCESSIVE HOT OR COLD TEMPERATURES, AND MECHANICAL INJURY. DO NOT PERMIT PEDESTRIAN TRAFFIC OVER PAVEMENT FOR 7 DAYS MINIMUM AFTER FINISHING.
- FINISH AS FOLLOWS:
 - SIDEWALK PAVING: LIGHT BROOM, TEXTURE PERPENDICULAR TO DIRECTION OF TRAVEL WITH TROWELED AND RADIUS EDGE 1/2 INCH RADIUS
 - CURBS: LIGHT BROOM, TEXTURE PARALLEL TO DIRECTION OF FLOW
 - RETAINING WALLS: SMOOTH RUBBED FINISH. WET CONCRETE AND RUB WITH CARBORUNDUM BRICK OR OTHER ABRASIVE, NOT MORE THAN 24 HOURS AFTER FORM REMOVAL. REPAIR/PLUG SURFACE DEFECTS, INCLUDING TIE HOLES, IMMEDIATELY AFTER REMOVING FORM WORK.
 - PLACE CURING COMPOUND ON EXPOSED CONCRETE SURFACES IMMEDIATELY AFTER FINISHING. APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



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EXPIRES: 06-30-24

REVISION ID:	DATE:

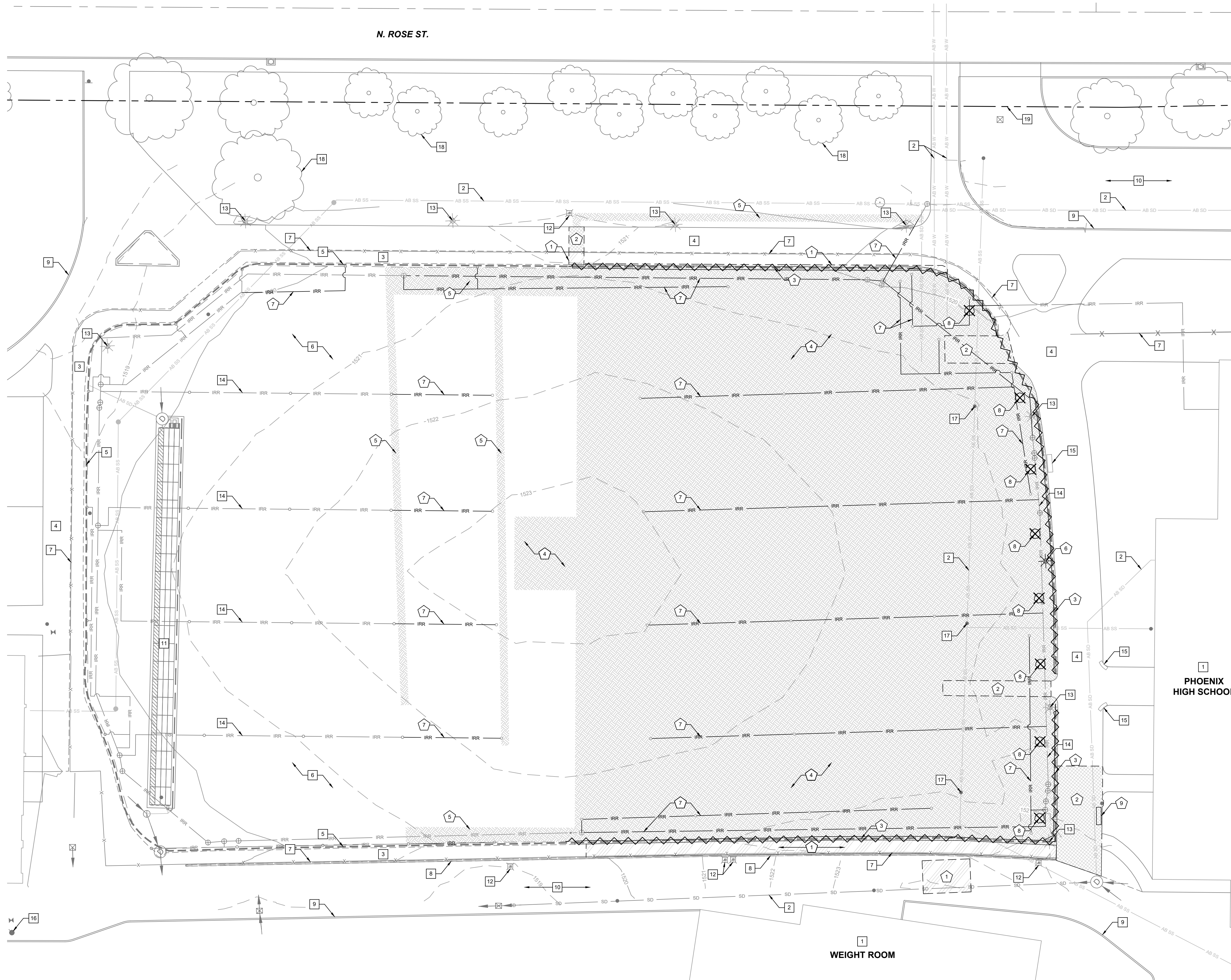
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CHECKED:	MKW
DATE:	01/12/2024

CIVIL NOTES

C0.10

ONE INCH EQUALS FULL SCALE

BID & PERMIT SET



DEMOLITION LEGEND:

- EXISTING ASPHALT PAVING TO BE REMOVED AND RECYCLED
- EXISTING CONCRETE TO BE REMOVED AND RECYCLED
- EXISTING GRAVEL SHOULDER TO BE REMOVED AND RECYCLED
- APPROXIMATE LIMITS OF CLEARING AND GRUBBING
- EXISTING FENCING TO REMAIN
- EXISTING UTILITY TO REMAIN
- EXISTING UTILITY LINE TO BE REMOVED
- EXISTING IRRIGATION TO BE REMOVED (SEE LANDSCAPE)
- EXISTING GROUND CONTOUR (1 FT)
- EXISTING GROUND CONTOUR (5 FT)
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING STRUCTURE TO REMAIN
- EXISTING STRUCTURE TO BE REMOVED

DEMOLITION AND PROTECTION NOTES:

GENERAL DEMOLITION AND PROTECTION NOTES:
 CONTRACTOR SHALL FIELD VERIFY LIMITS OF ASPHALT/CONCRETE/ETC. DEMOLITION AND ADJUST AS REQUIRED.

PROVIDE SMOOTH VERTICAL SAWCUT AT ALL EXTERIOR LIMITS OF ASPHALT/CONCRETE/ETC. REMOVAL.

UPON MOBILIZATION, CONTRACTOR SHALL POTHOLE EXISTING BURIED UTILITIES AND STRUCTURES (AS INDICATED) TO VERIFY HORIZONTAL AND VERTICAL ALIGNMENT, SIZE, AND MATERIAL.

CONTRACTOR SHALL REPORT TO ENGINEER FOR DIRECTION IN EVENT OF DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS.

CONTRACTOR SHALL COORDINATE VEHICULAR AND PEDESTRIAN ACCESS REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL COORDINATE UTILITY SHUTOFF(S) WITH OWNER AND UTILITY PROVIDER 48 HOURS MINIMUM PRIOR TO CONSTRUCTION TO ENSURE MINIMAL SERVICE DISRUPTION DURING OPERATION HOURS.

WHERE INDICATED, EXISTING STRUCTURES, HARDSCAPE, AND UTILITIES/APURTANCES SHALL BE PROTECTED THROUGHOUT ALL PHASES OF CONSTRUCTION.

DEMOLITION NOTES:

1. ASPHALT PAVING TO BE REMOVED AND RECYCLED.
2. CONCRETE PAVING TO BE REMOVED AND RECYCLED.
3. GRAVEL PAVING AND PERFORATED DRAIN PIPE TO BE REMOVED AND RECYCLED.
4. CLEARING AND GRUBBING LIMITS.
5. UTILITY TRENCH LIMITS (NATURAL GRASS TURF).
6. SITE LIGHT TO BE RELOCATED.
7. EXISTING IRRIGATION SHOWN FOR REFERENCE ONLY. REFER TO LANDSCAPE PLANS FOR ALL INFORMATION.
8. TREES TO BE REMOVED (8 TOTAL).
9. REMOVE AND SALVAGE SURFACE MOUNTED BENCH. STORE ON SITE FOR REINSTALLATION.

PROTECTION NOTES:

1. BUILDING TO REMAIN.
2. UNDERGROUND UTILITIES TO REMAIN, TYPICAL.
3. ASPHALT PATHWAY TO REMAIN.
4. CONCRETE SIDEWALK TO REMAIN.
5. GRAVEL SHOULDER WITH PERFORATED DRAIN PIPE TO REMAIN.
6. NATURAL GRASS FIELD TO REMAIN.
7. 6' CHAIN LINK FENCE TO REMAIN.
8. CONCRETE RETAINING WALL TO REMAIN.
9. CONCRETE CURB TO REMAIN.
10. ASPHALT PAVEMENT TO REMAIN.
11. SUBSURFACE DETENTION AND TREATMENT SYSTEM TO REMAIN.
12. ELECTRICAL JUNCTION BOX TO REMAIN.
13. SITE LIGHT AND ASSOCIATED BURIED POWER SERVICE TO REMAIN.
14. IRRIGATION LINE, VALVE, AND HEAD TO REMAIN.
15. BENCH TO REMAIN.
16. EXISTING FIRE HYDRANT TO REMAIN, TYPICAL.
17. EXISTING CLEANOUT RISER TO REMAIN, TYPICAL.
18. TREE TO REMAIN, TYPICAL.
19. PROPERTY LINE, TYPICAL.

PHOENIX HIGH SCHOOL

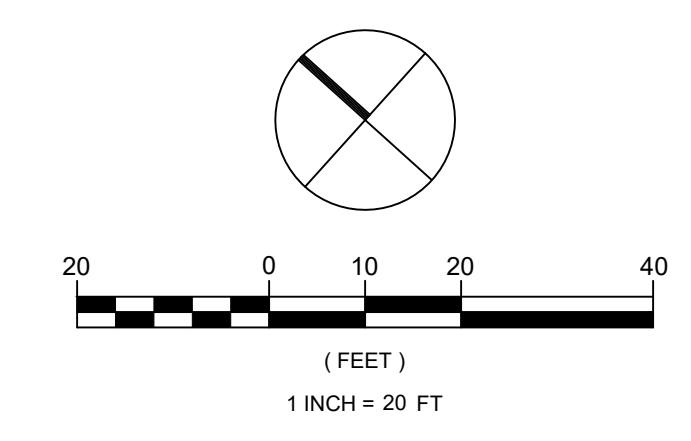
WEIGHT ROOM

ONE INCH EQUALS FULL SCALE

1 EXISTING CONDITIONS AND DEMOLITION PLAN

C1.00

1"=20'



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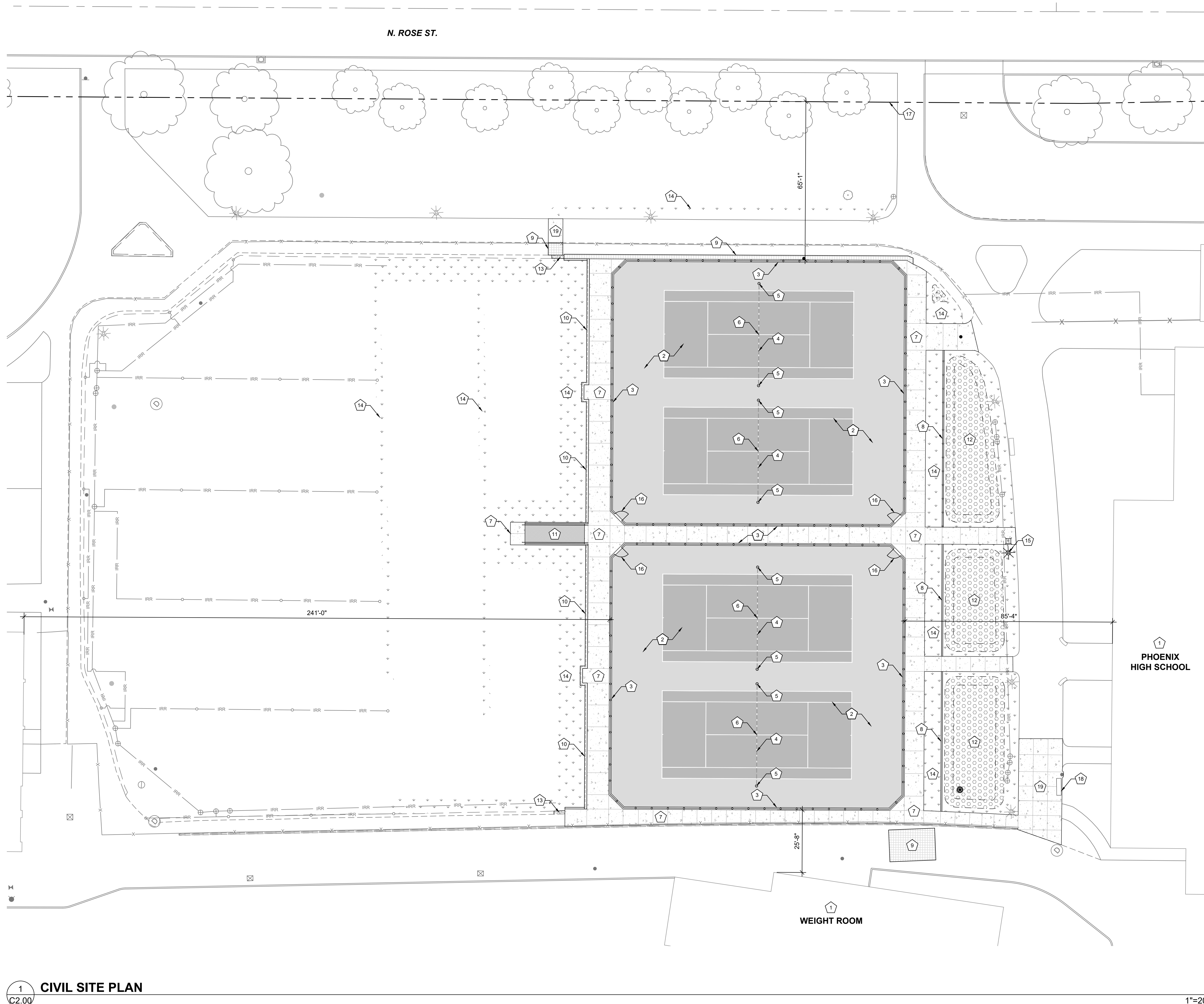
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EXISTING CONDITIONS AND DEMOLITION PLAN

C1.00

BID & PERMIT SET



- CIVIL SITE NOTES:**
- GENERAL DEMOLITION AND PROTECTION NOTES:**
REFER TO SHEET C2.10 FOR ADDITIONAL CONSTRUCTION DETAILING INFORMATION.
- SITE NOTES:**
- EXISTING BUILDING. NO WORK IN THIS AREA
 - NEW ASPHALT TENNIS COURT.
 - NEW 12" WIDE CONCRETE PERIMETER CURB WITH 10' TALL CHAIN LINK FENCE. TYPICAL ALL 4 SIDES OF BOTH DOUBLE COURT CONFIGURATION. REFER TO SHEET C2.10 FOR ADDITIONAL INFORMATION.
 - NEW TENNIS COURT NET (4 TOTAL).
 - NEW TENNIS COURT NET POST (8 TOTAL).
 - NEW TENNIS COURT NET CENTER ANCHOR (4 TOTAL).
 - NEW CONCRETE SIDEWALK.
 - NEW CONCRETE MOW STRIP.
 - NEW ASPHALT PAVING.
 - NEW SEGMENTAL RETAINING WALL.
 - NEW CONCRETE RAMP AND HANDRAIL.
 - NEW STORMWATER FILTRATION RAIN GARDEN.
 - APPROXIMATE LIMITS OF GRAVEL REPAIR.
 - APPROXIMATE LIMITS OF LANDSCAPE REPAIR.
 - RELOCATED PEDESTRIAN SITE LIGHTING.
 - FURNISH 4' WIDE X 7' TALL BLACK VINYL COATED CHAIN LINK GATE AT LOCATIONS SHOWN WITH 3' BLACK VINYL COATED CHAIN LINK FENCE ABOVE.
 - PROPERTY LINE, TYPICAL.
 - REINSTALL SURFACE MOUNTED BENCH.
 - REPLACE CONCRETE SIDEWALK TO MATCH EXISTING. REFERENCE SITE CONSTRUCTION NOTE 8 ON C3.00 FOR CONSTRUCTION DETAILS.



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CIVIL SITE PLAN
C2.00

ONE INCH EQUALS FULL SCALE

1 CIVIL SITE PLAN
C2.00

1"=20'

BID & PERMIT SET



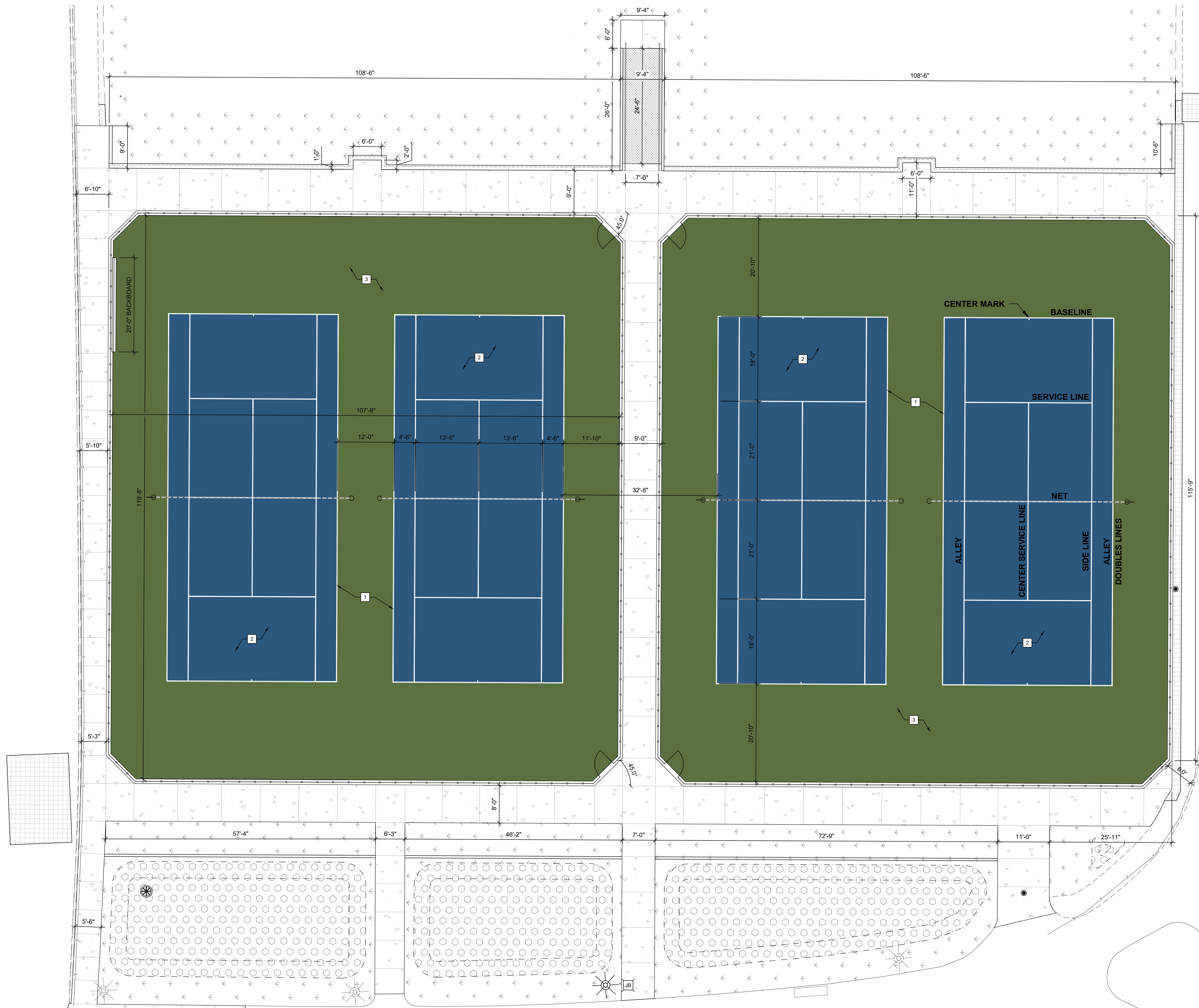
TENNIS COURT NOTES:

GENERAL STRIPING NOTES:
TENNIS COURT STRIPING LABELS ARE SHOWN FOR DESIGN LAYOUT AND ARE NOT INTENDED TO BE PAINTED ONTO COURTS.

TENNIS COURT STRIPING NOTES:

1. ALL LINES TO BE 2" IN WIDTH AND PAINTED WHITE.
2. COURT SURFACE TO BE 'PLEXIPAVE' COLOR 'DARK BLUE'.
3. OVERRUN AREAS TO BE 'PLEXIPAVE' COLOR 'LIGHT GREEN'.

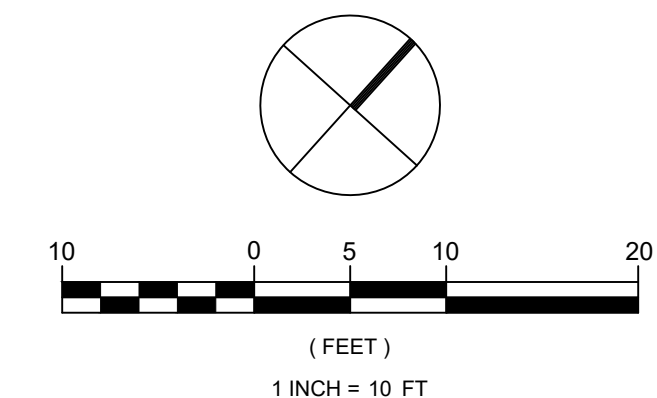
TENNIS COURT SURFACING AND STRIPING BY OTHERS.
SHOWN FOR REFERENCE, NOT IN BID SCOPE.



ONE INCH EQUALS FULL SCALE

1 C2.10 TENNIS COURT STRIPING AND DIMENSIONING PLAN

1"=10'



EXPIRES: 06-30-24

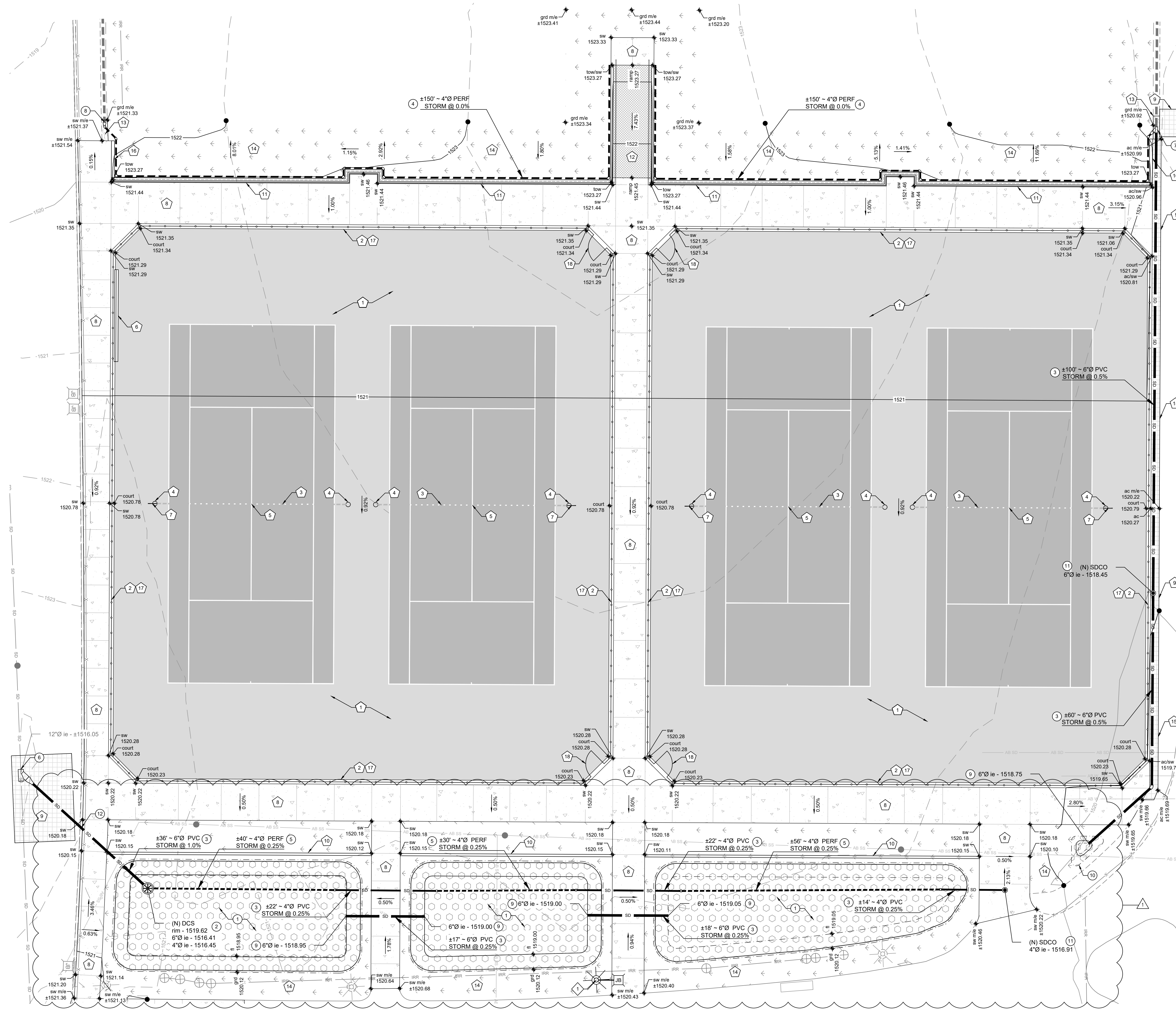
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TENNIS COURT STRIPING AND DIMENSIONING PLAN

C2.10

BID & PERMIT SET



GRADING, DRAINAGE, AND UTILITY NOTES:

GENERAL CONSTRUCTION NOTES:
 ALL ASPHALT PAVEMENT SECTIONS SHALL BE CONSTRUCTED OVER "Mirafi" 1800" NONWOVEN PERMEABLE GEOTEXTILES SUPPORT FABRIC (OR APPROVED EQUAL) OVER HARD AND UNYIELDING SUBGRADE. REFER TO SITE PREPARATION NOTES FOR ADDITIONAL INFORMATION REGARDING PAVEMENT AND SUBGRADE PREPARATION.

TRANSITION BETWEEN NEW AND EXISTING ASPHALT/CONCRETE/CURB SHALL BE FLUSH AND FREE FROM ABRUPT CHANGES IN HEIGHT.
 PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

CONSTRUCT PAVING, STRUCTURES, AND PIPING TO GRADES, ELEVATIONS, AND ALIGNMENTS SHOWN ON PLAN.

SITE CONSTRUCTION NOTES:

- CONSTRUCT ASPHALT TENNIS COURT PER DETAIL 3 ON SHEET C4.00.
- CONSTRUCT 12" WIDE CONCRETE PERIMETER CURB PER DETAIL 9 ON SHEET C4.00.
- FURNISH AND INSTALL NEW TENNIS COURT NET. INSTALL PER DETAIL 1 ON SHEET C4.10.
- FURNISH AND INSTALL NEW TENNIS COURT NET POST. INSTALL PER DETAIL 11 ON SHEET C4.00.
- FURNISH AND INSTALL NEW TENNIS COURT NET CENTER ANCHOR. INSTALL PER DETAIL 2 ON SHEET C4.10.
- FURNISH AND INSTALL NEW "Rally Master" RM1020" BACKBOARD (OR APPROVED EQUAL). INSTALL PER MANUFACTURERS SPECIFICATIONS.
- FURNISH AND INSTALL NEW "Net World Sports" TN3537" TENNIS POST SCORECARDS (OR APPROVED EQUAL). INSTALL PER MANUFACTURERS SPECIFICATIONS.
- CONSTRUCT CONCRETE SIDEWALK PER DETAIL 1 AND 2 ON SHEET C4.00. SCORING PATTERN APPROXIMATELY AS SHOWN
- CONSTRUCT LIGHT DUTY ASPHALT PAVEMENT. MINIMUM SECTION CONSISTS OF 2" OF ODOT LEVEL 2 - 1/2" DENSE ASPHALT WITH PG 64-22 BINDER OVER 6" MINIMUM 3/4" MINUS CRUSHED ROCK OR MATCH EXISTING CONDITION, WHICHEVER IS GREATER. CONNECT TO EXISTING ASPHALT PATHWAY PER DETAIL 8 ON SHEET C4.00.
- CONSTRUCT 6" WIDE x 12" DEEP CONCRETE MOW BAND WITH 3/4" CHAMFER ON ALL EXPOSED EDGES. CONSTRUCT SIMILAR TO DETAIL 1 ON SHEET C4.00. TOP OF MOWBAND SET FLUSH WITH ADJACENT SIDEWALK, TYPICAL.
- CONSTRUCT SEGMENTAL RETAINING WALL PER DETAILS 4, 5, 6, AND 7 ON SHEET C4.00.
- CONSTRUCT ACCESSIBLE RAMP CONFIGURATION AND HANDRAILS PER DETAIL 4 AND 5 ON SHEET C4.10.
- APPROXIMATE LIMITS OF GRAVEL REPAIR. MINIMUM SECTION SHALL BE 4" OF ODOT SPEC CRUSHED ROCK OR MATCH EXISTING CONDITION, WHICHEVER IS GREATER.
- APPROXIMATE LIMITS OF LANDSCAPE REPAIR. REFER TO LANDSCAPE SHEETS FOR ALL REQUIREMENTS.
- CONSTRUCT INFILL ASPHALT PATHWAY BETWEEN NEW NORTHEAST CONTAINMENT CURB AND EXISTING ASPHALT PATHWAY PER DETAIL 8 ON SHEET C4.00.
- RETURN WALL TOWARD FIELD TO ALLOW FOR SMOOTH GRADE TRANSITION, APPROXIMATELY AS SHOWN. FIELD VERIFY LIMITS AND ADJUST AS REQUIRED.
- FURNISH 10' TALL BLACK VINYL COATED CHAIN LINK FENCE TO ALIGNMENT SHOWN. REFER TO DETAILS 9 AND 10 ON SHEET C4.00. TENNIS FENCING IS DESIGN-BUILD. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- FURNISH 4' WIDE X 7' TALL BLACK VINYL COATED CHAIN LINK GATE AT LOCATIONS SHOWN WITH 3' BLACK VINYL COATED CHAIN LINK FENCE ABOVE. REFER TO DETAILS 9 AND 10 ON SHEET C4.00. TENNIS FENCING IS DESIGN-BUILD. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

DRAINAGE CONSTRUCTION NOTES:

- CONSTRUCT STORMWATER RAIN GARDEN PER DETAIL 9 ON SHEET C4.10.
- FURNISH AND INSTALL DISCHARGE CONTROL STRUCTURE PER DETAIL 9 ON SHEET C4.10.
- FURNISH AND INSTALL STORM PIPE IN TRENCH PER DETAIL 6 ON SHEET C4.10. CONNECTIONS TO MAIN SHALL BE MADE USING PREFABRICATED "WYE" FITTINGS.
- FURNISH AND INSTALL PERFORATED STORM PIPE BEHIND SEGMENTAL RETAINING WALL PER DETAIL 4 ON C4.00.
- FURNISH AND INSTALL PERFORATED STORM PIPE IN RAIN GARDEN PER DETAIL 9 ON SHEET C4.10.
- CONNECT TO EXISTING STORM LINE AT LOCATION SHOWN USING A 12"x12" "WYE" FITTING AND A 12"x6" ECCENTRIC REDUCER.
- CONNECT TO EXISTING STORM LINE AT LOCATION SHOWN USING A 6"x6" "WYE" FITTING AND A 6"x4" ECCENTRIC REDUCER.
- CONNECT TO EXISTING STORM LINE AT LOCATION SHOWN USING A 6"x4" ECCENTRIC REDUCER.
- FURNISH AND INSTALL MITERED END CAP AT SIDEWALK CROSSING PER DETAIL 10 ON SHEET C4.10, TYPICAL BOTH SIDE OF SIDEWALK CROSSING.
- CONSTRUCT DEPRESSED PONDING AREA TO GRADES SHOWN. REFER TO LANDSCAPE PLANS FOR FINISHING REQUIREMENTS.
- CONSTRUCT CLEANOUT RISER TO GRADE PER DETAIL 8 ON C4.10.
- CONTRACTOR SHALL CAREFULLY BORE UNDER EXISTING CAST-IN-PLACE RETAINING WALL FOOTING TO CONSTRUCT NEW STORMWATER TIE-IN AT EXISTING MAIN.

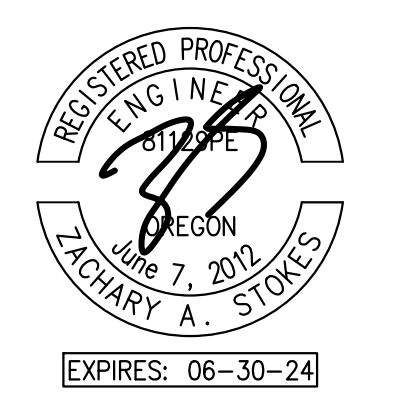
UTILITY NOTES:

- INSTALL EXISTING PEDESTRIAN SITE LIGHT ON BASE PER DETAIL 3 ON SHEET C4.10. FURNISH AND INSTALL "CHRISTY" B03 JUNCTION BOX AT CONNECTION TO EXISTING CONDUIT. INSTALL CONDUIT TO NEW LIGHT IN TRENCH SIMILAR TO DETAIL 7 ON SHEET C4.10.



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GRADING, DRAINAGE, AND UTILITY PLAN

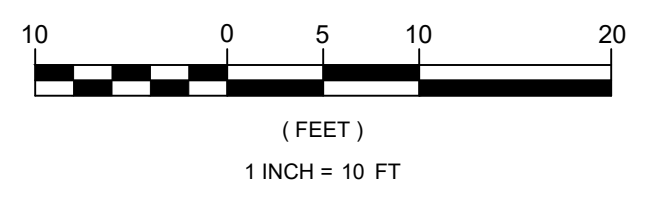
C3.00

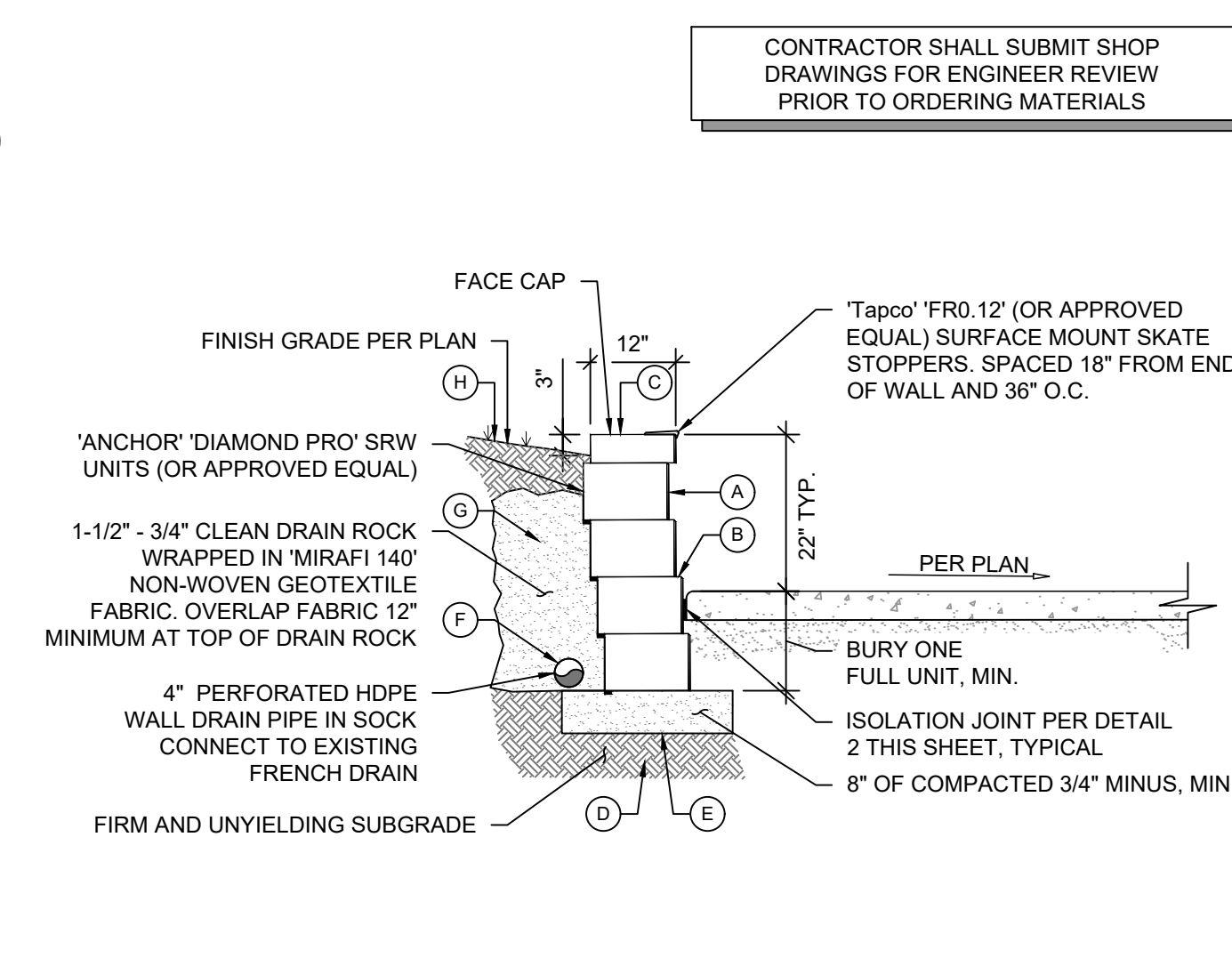
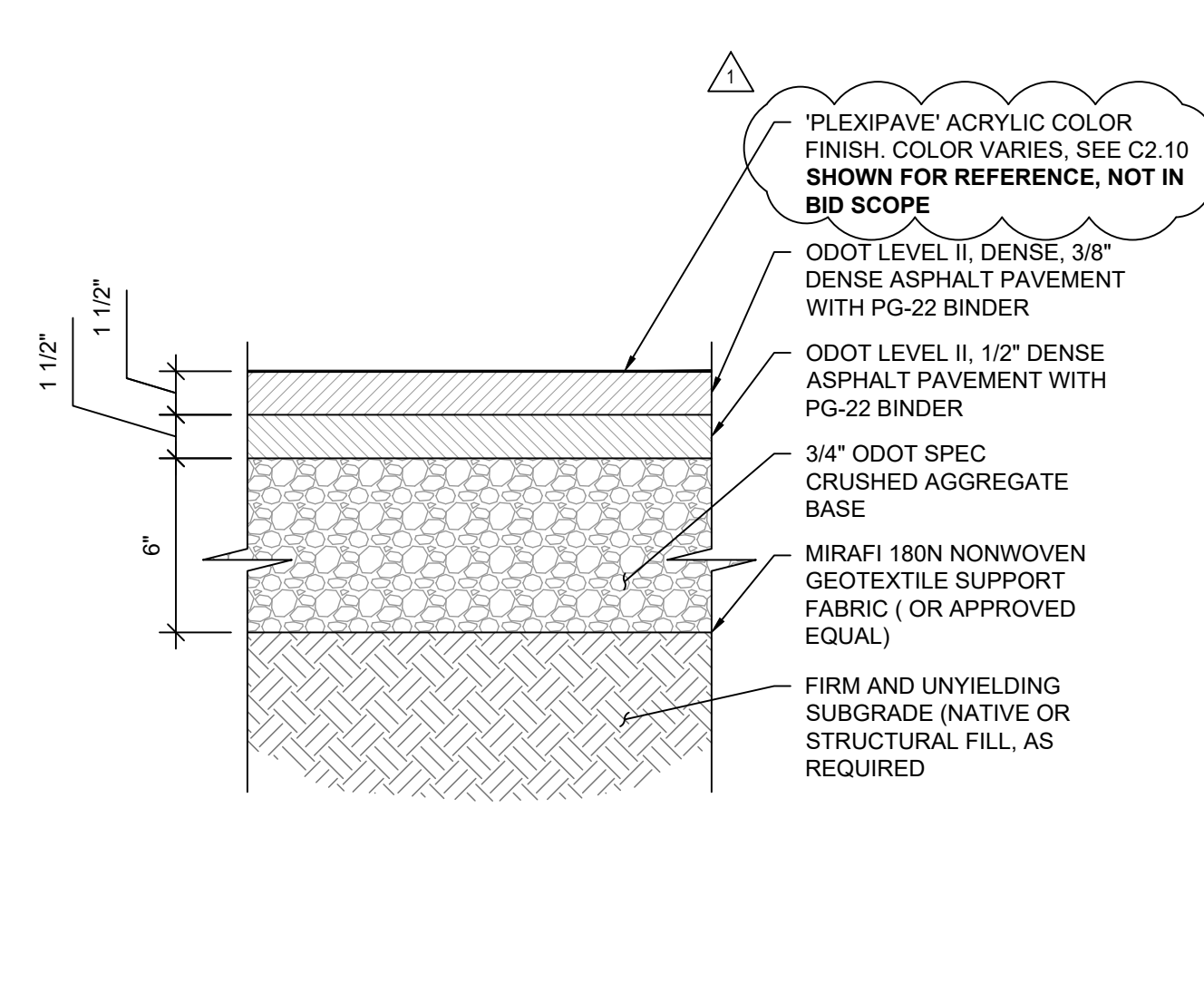
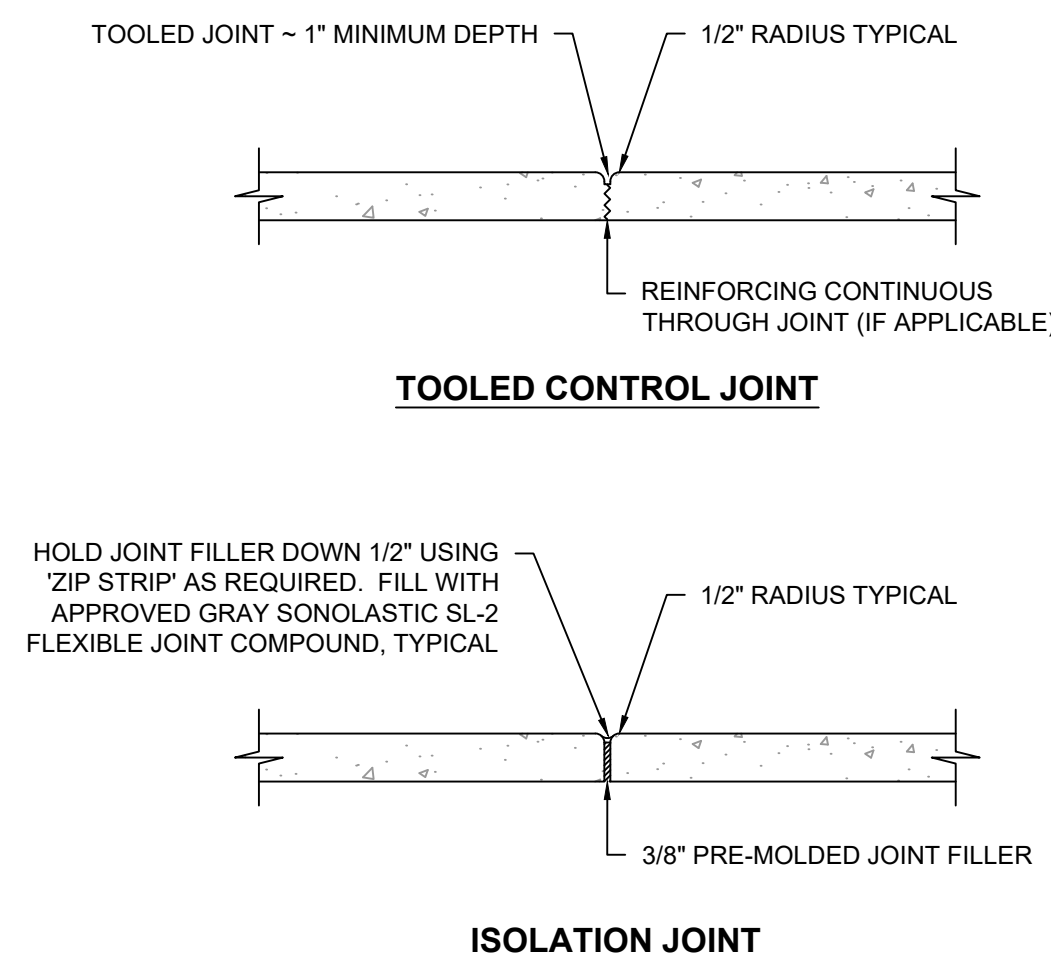
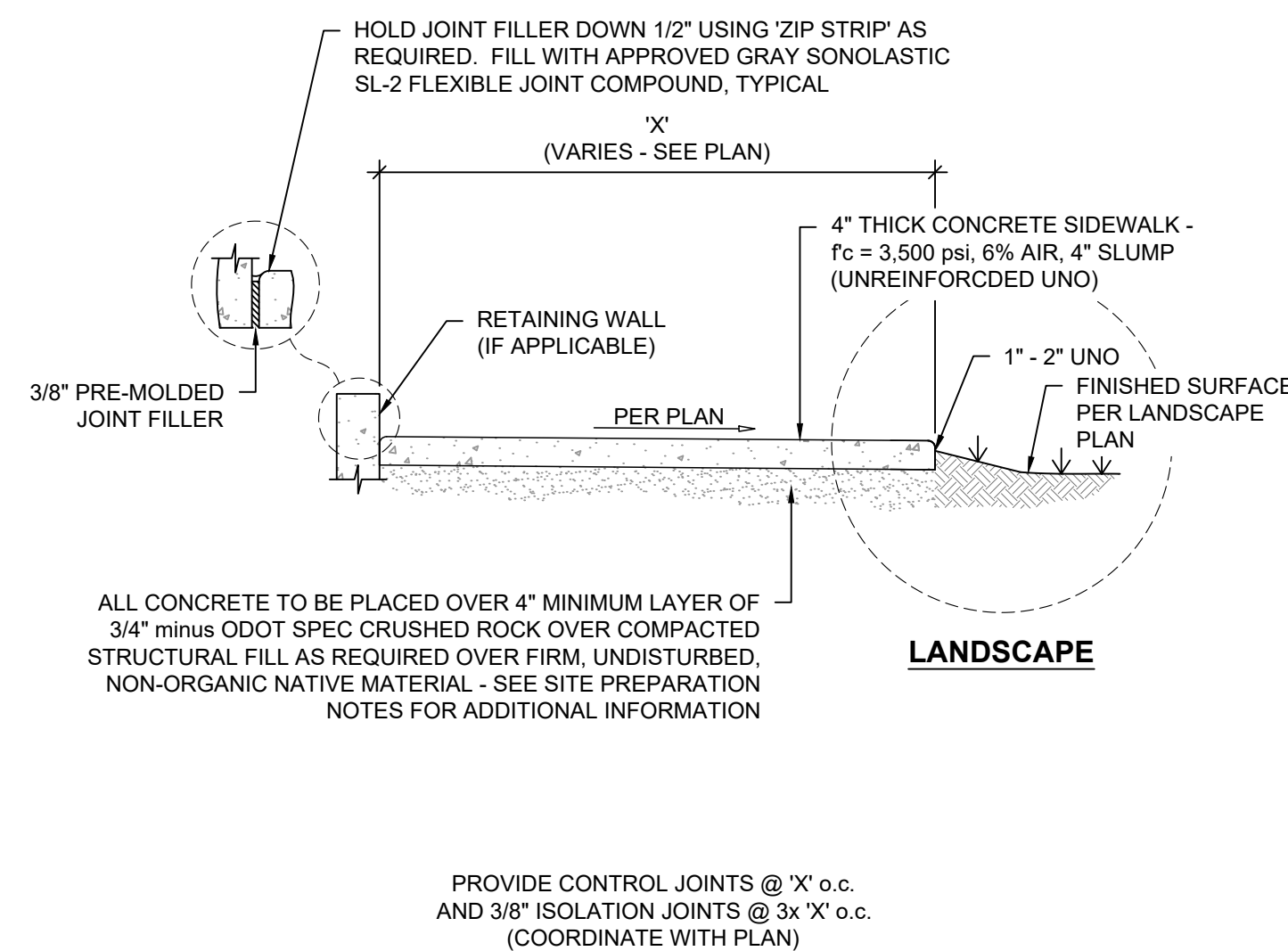
BID & PERMIT SET

ONE INCH EQUALS FULL SCALE

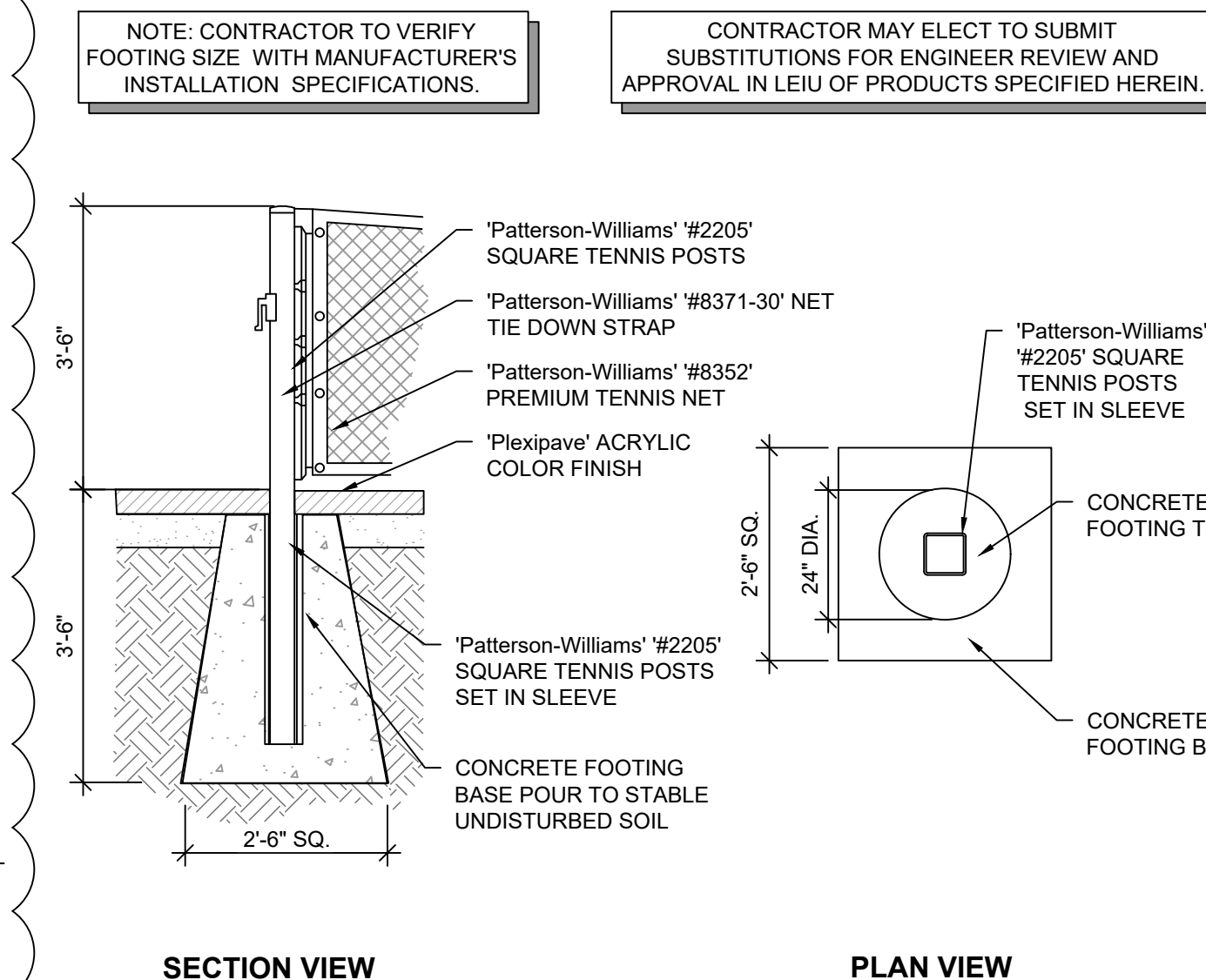
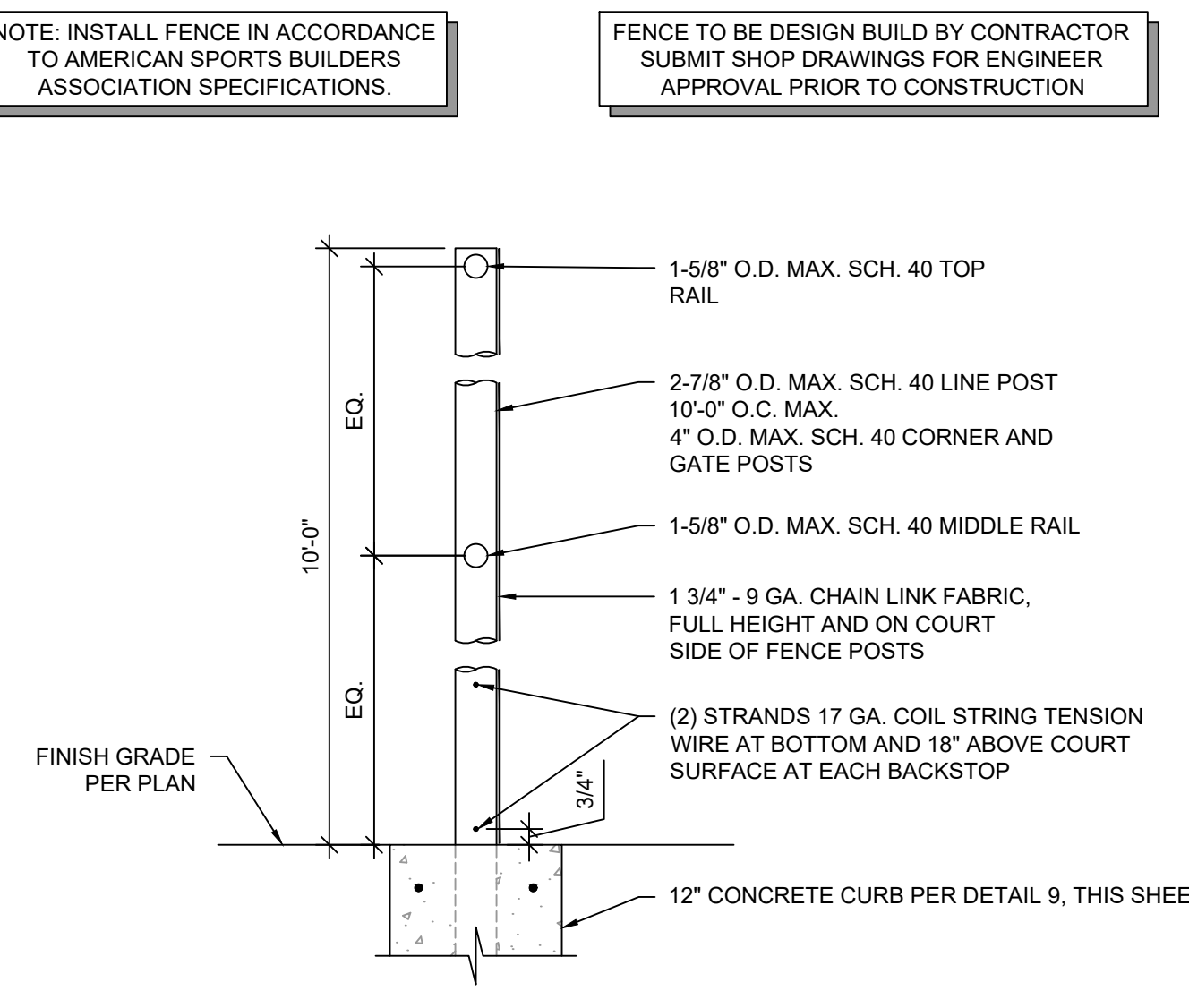
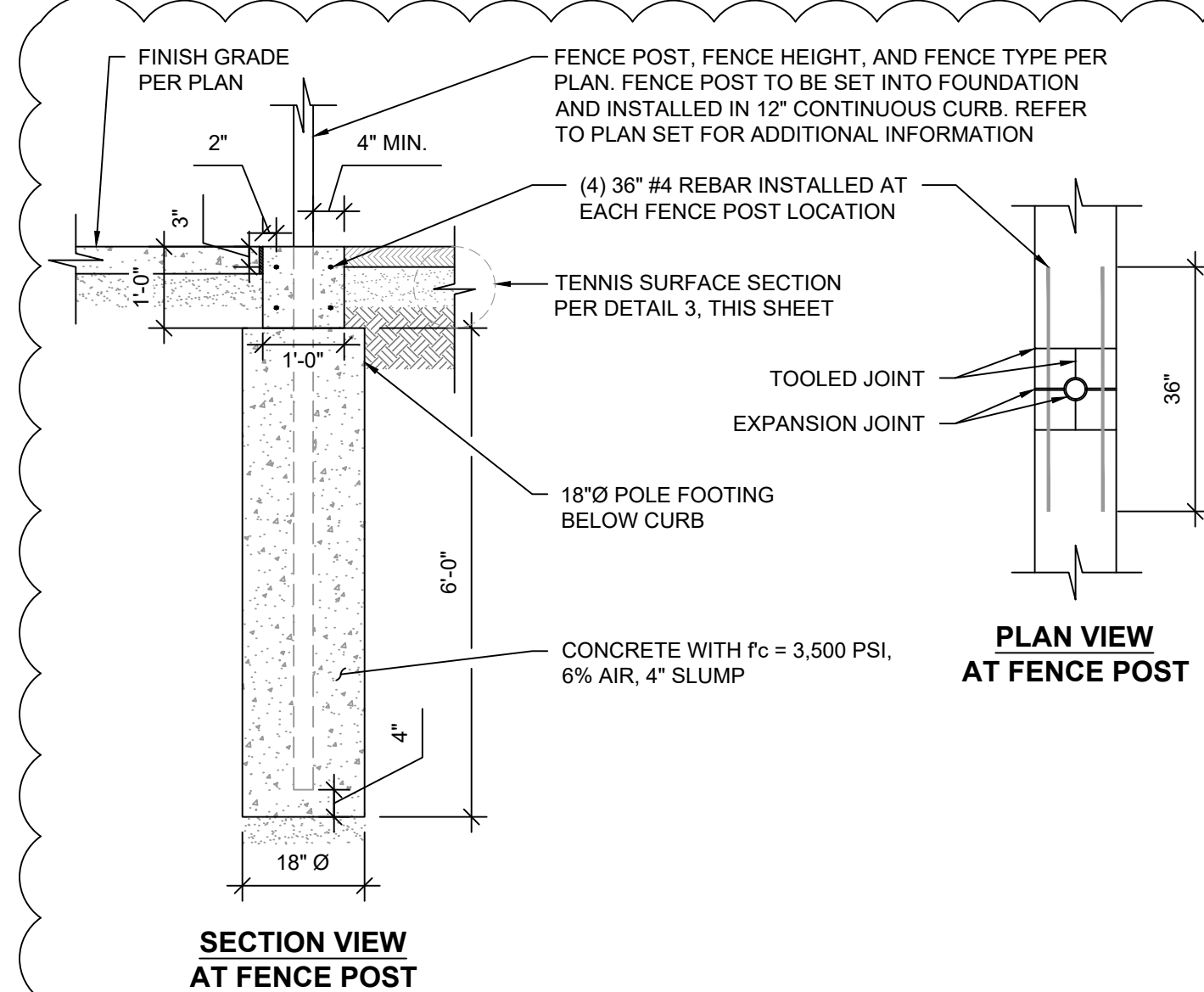
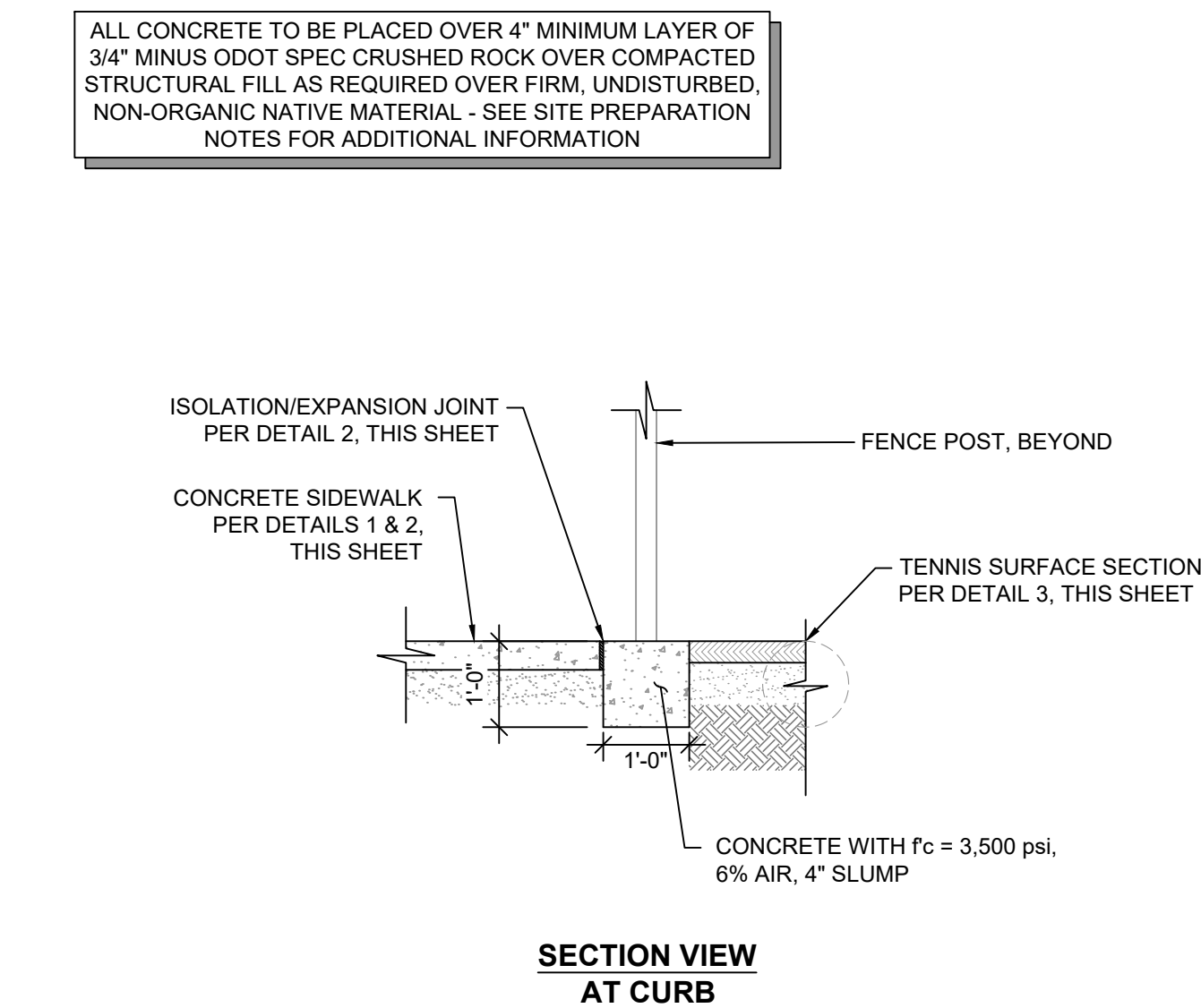
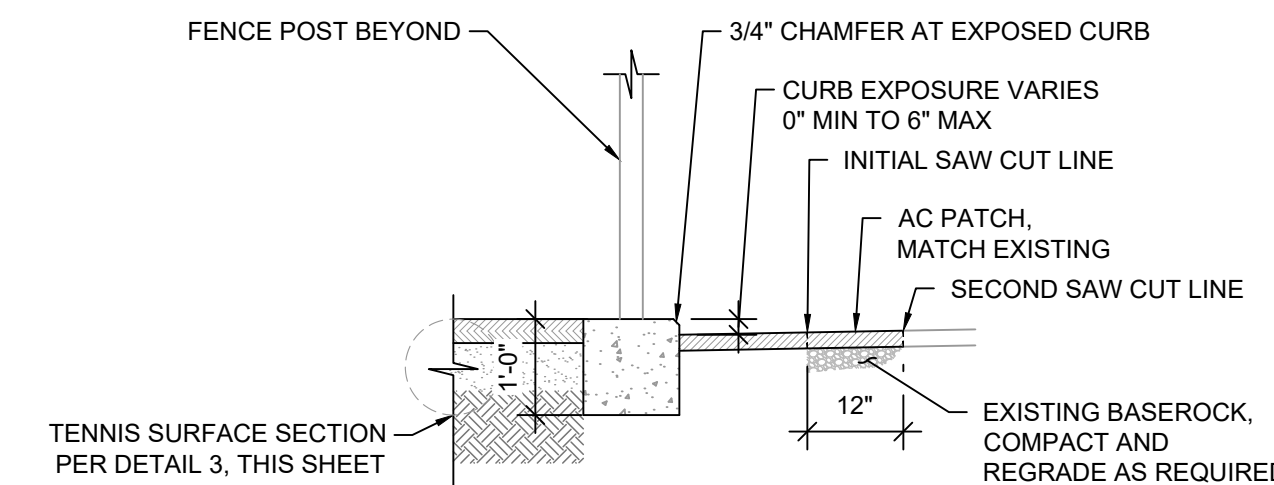
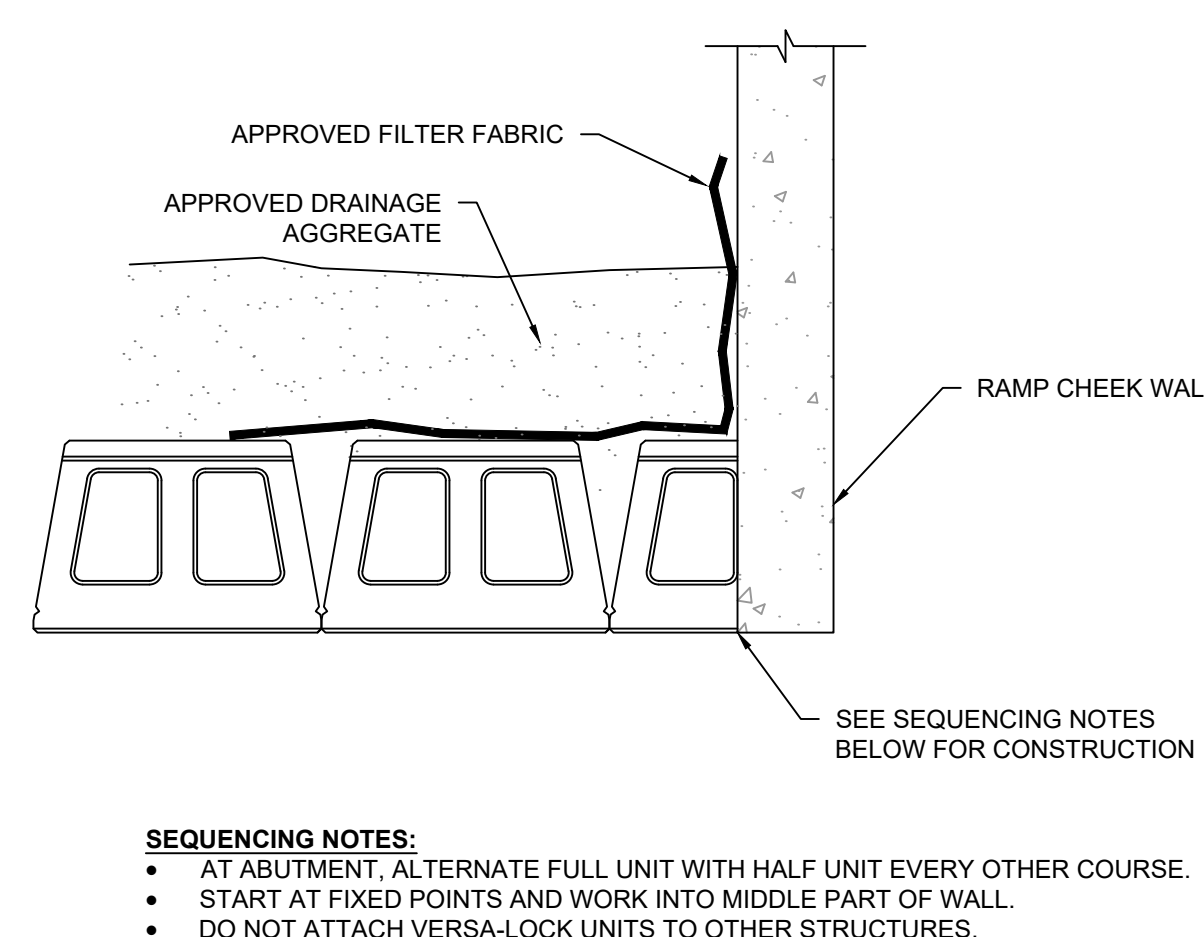
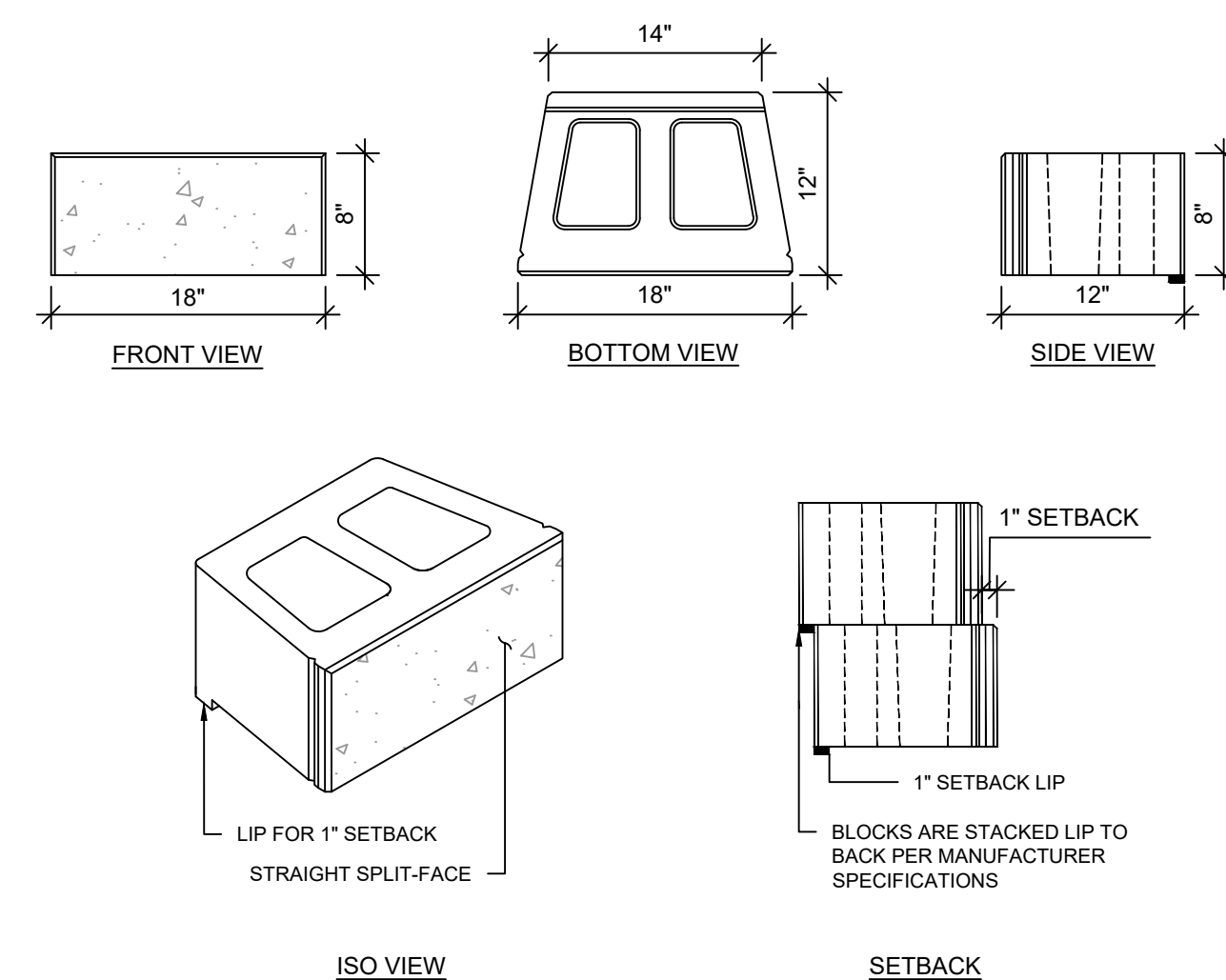
1 GRADING, DRAINAGE, AND UTILITY PLAN

1"=10'





- A. INSTALL ALL UNITS PER BLOCK MANUFACTURER SPECIFICATIONS. PROVIDE SUBMITTAL FOR ENGINEER REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.
- B. SETBACK SHALL BE MANUFACTURERS 1" LIP, TYPICAL.
- C. GLUE CAP UNITS PER BLOCK MANUFACTURER SPECIFICATIONS.
-
- GENERAL NOTES FOR CAPPING:**
- CAPS SHALL BE ADHERED TO WALL USING APPROVED CONCRETE ADHESIVE.
 - CAPS MAY BE PLACED WITH A 1/2" TO 1" OVERHANG OF TOP COURSE.
 - WHEN SPLITTING CAP UNIT FOR WALL END, DO NOT USE A CAP SECTION LESS THAN 6" WIDE. DO NOT OVERHANG CAP AT END OF COURSE MORE THAN 1".
 - FOR STRAIGHT WALLS, ALTERNATE A-CAP AND B-CAP.
- D. APPROVED SOIL BASE COMPACTED BETWEEN 85% AND 90% MIN. 1'-0" THICK. ALL SUB GRADE SHALL BE INSPECTED BY ENGINEER PRIOR TO PLACEMENT OF ANY BASE ROCK.
- E. PROVIDE 2'-0" WIDE, 6" DEEP MINIMUM BASE OF 3/4" MINUS ODOT SPEC RUSHED ROCK PLACED PER SITE PREPARATION NOTES ON SHEET C0.10.
- F. 4"Ø PERFORATED DRAIN PIPE SURROUNDED BY 12" MIN. OF 1 1/2" - 3/4" CRUSHED CLEAN WASHED DRAIN ROCK COMPLETELY WRAPPED IN A NON-WOVEN GEOTEXTILE. CONNECT DRAIN PIPE TO EXISTING FRENCH DRAIN, REFER TO PLANS FOR ADDITIONAL INFORMATION.
- G. FREE DRAINING BACKFILL EXTENDING A MINIMUM OF 12" BEHIND WALL.
- H. APPROVED 1'-0" THICK SOIL CAP COMPACTED BETWEEN 85% AND 90% MINIMUM. ROUGH GRADE ALL LANDSCAPE AREAS PER GRADING PLAN. COORDINATE FINISHING REQUIREMENTS WITH LANDSCAPE.



ONE INCH EQUALS FULL SCALE



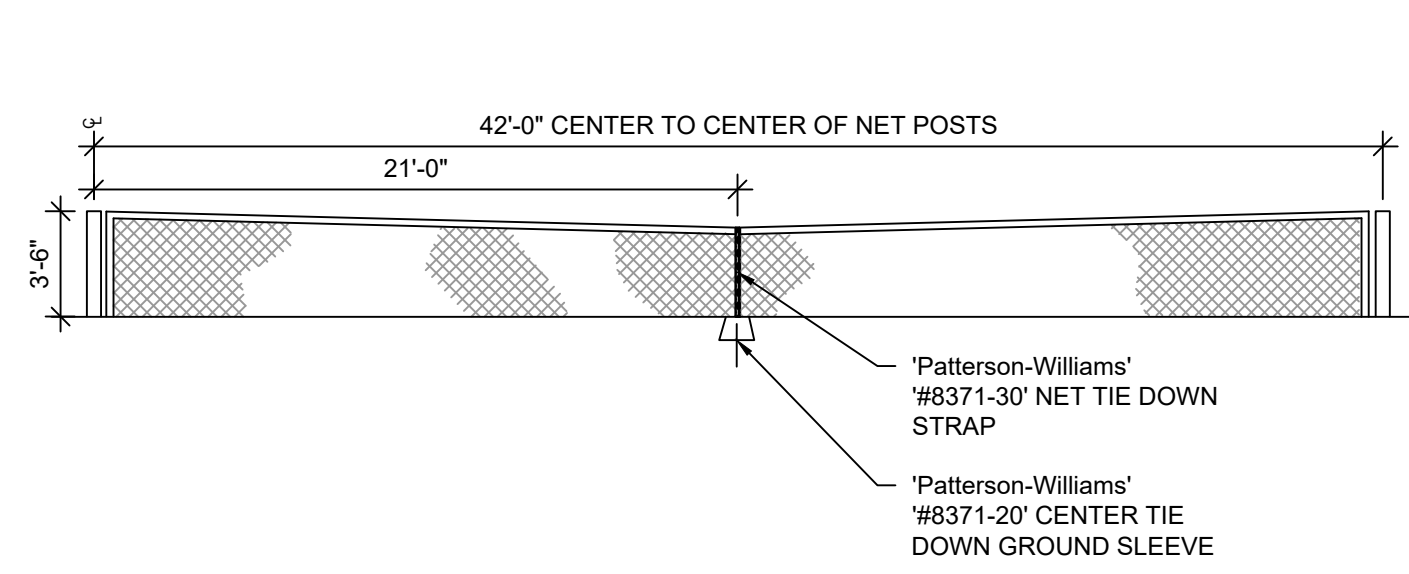
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PRIVATE CIVIL
DETAILS

C4.00

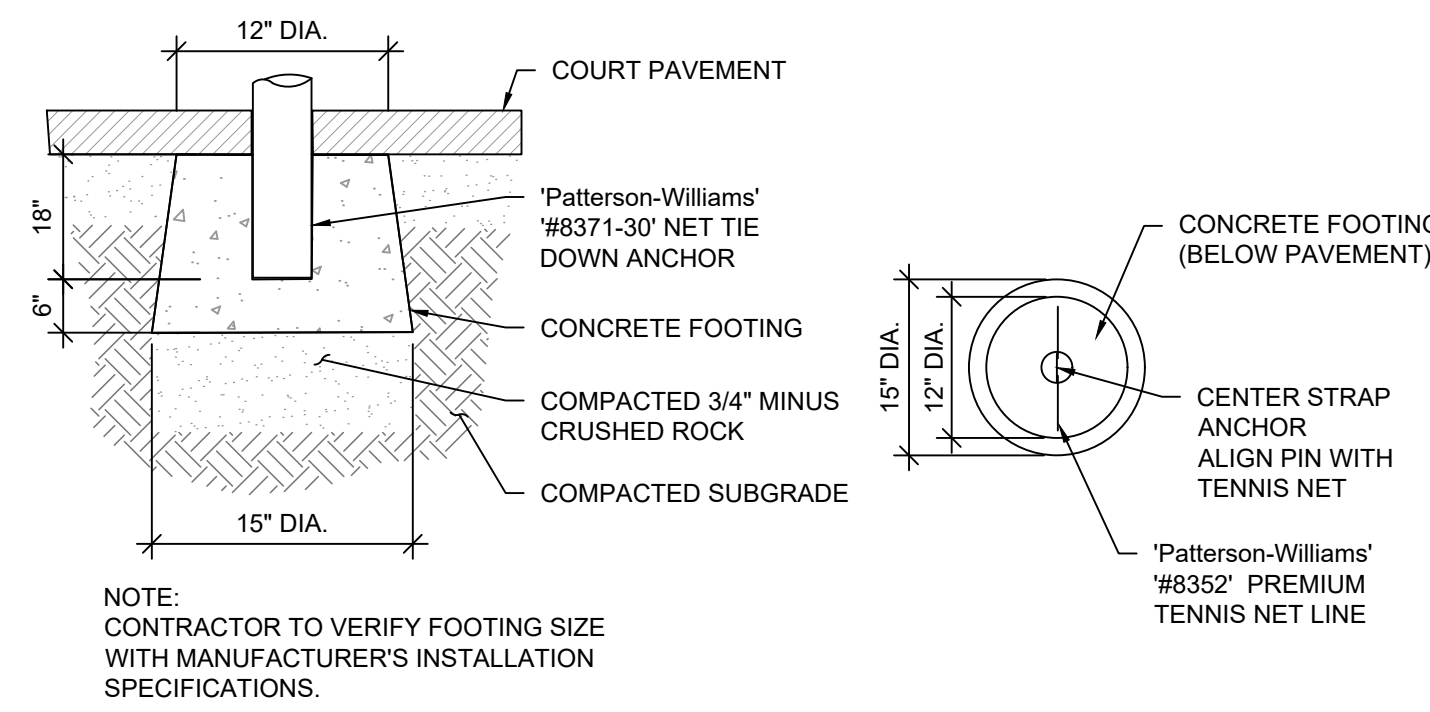
BID & PERMIT SET

CONTRACTOR MAY ELECT TO SUBMIT SUBSTITUTIONS FOR ENGINEER REVIEW AND APPROVAL IN LEIU OF PRODUCTS SPECIFIED HEREIN.

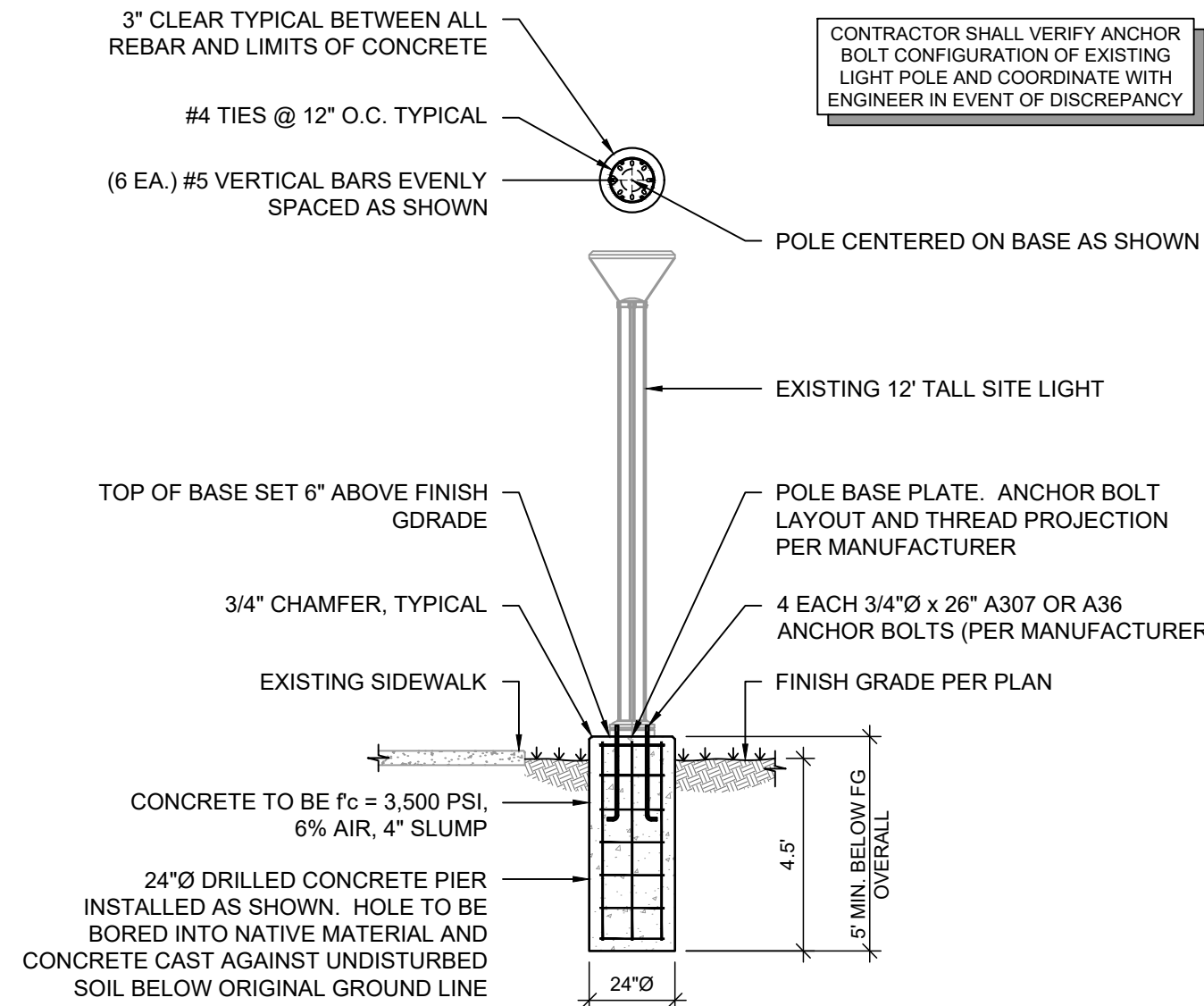


1 TENNIS NET ELEVATION
C4.10 NTS

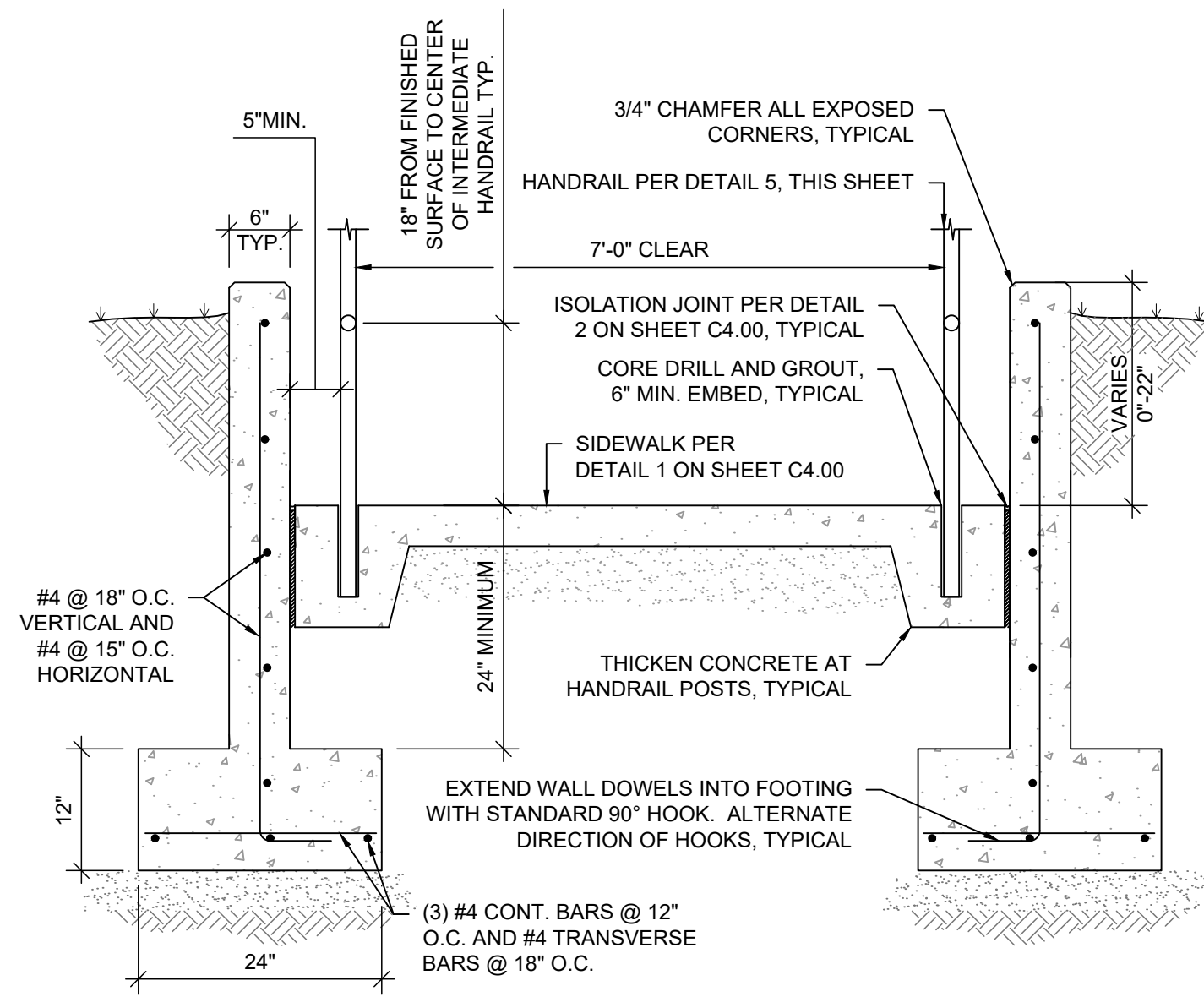
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2 TENNIS NET ANCHOR
C4.10 NTS

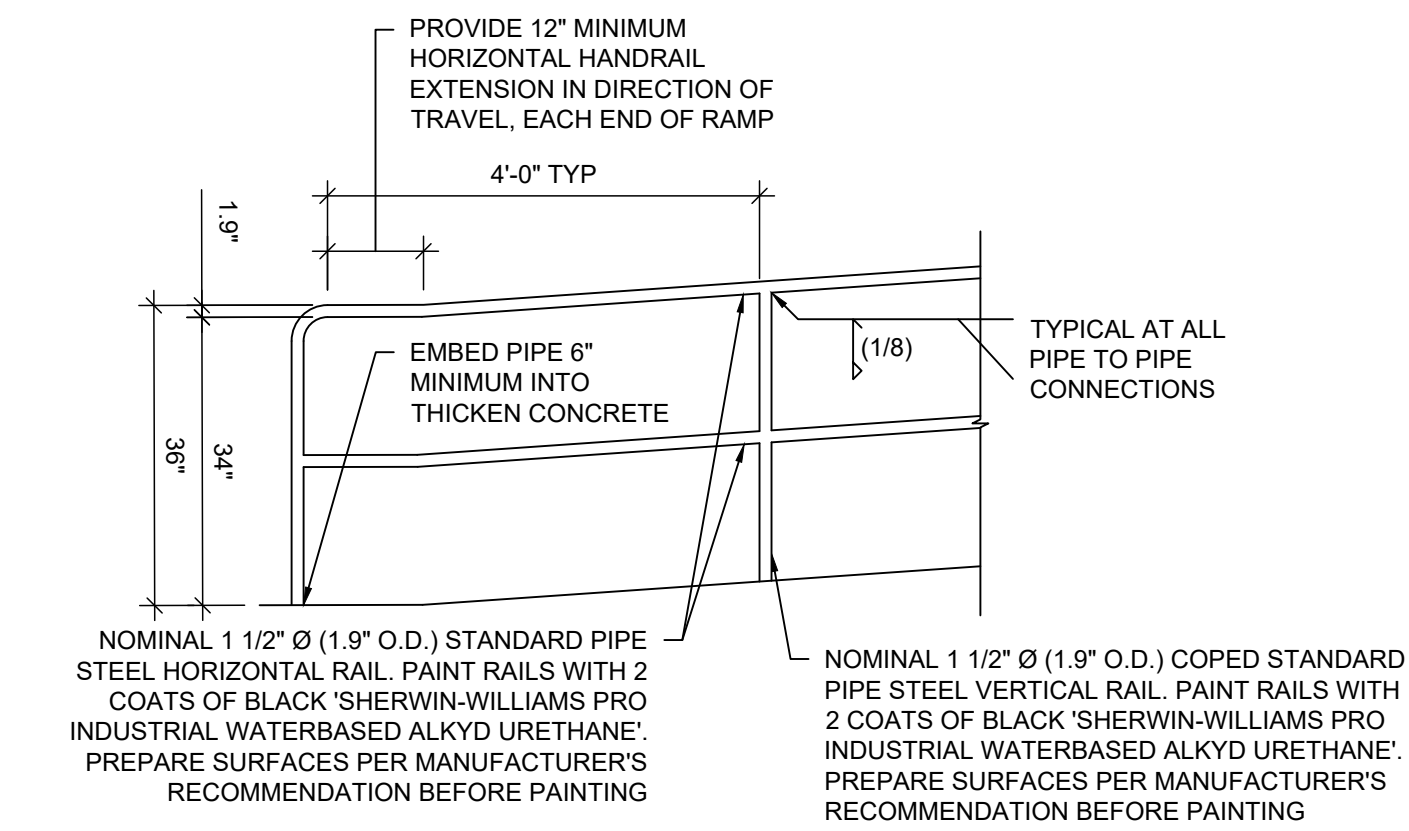


3 SITE LIGHT BASE
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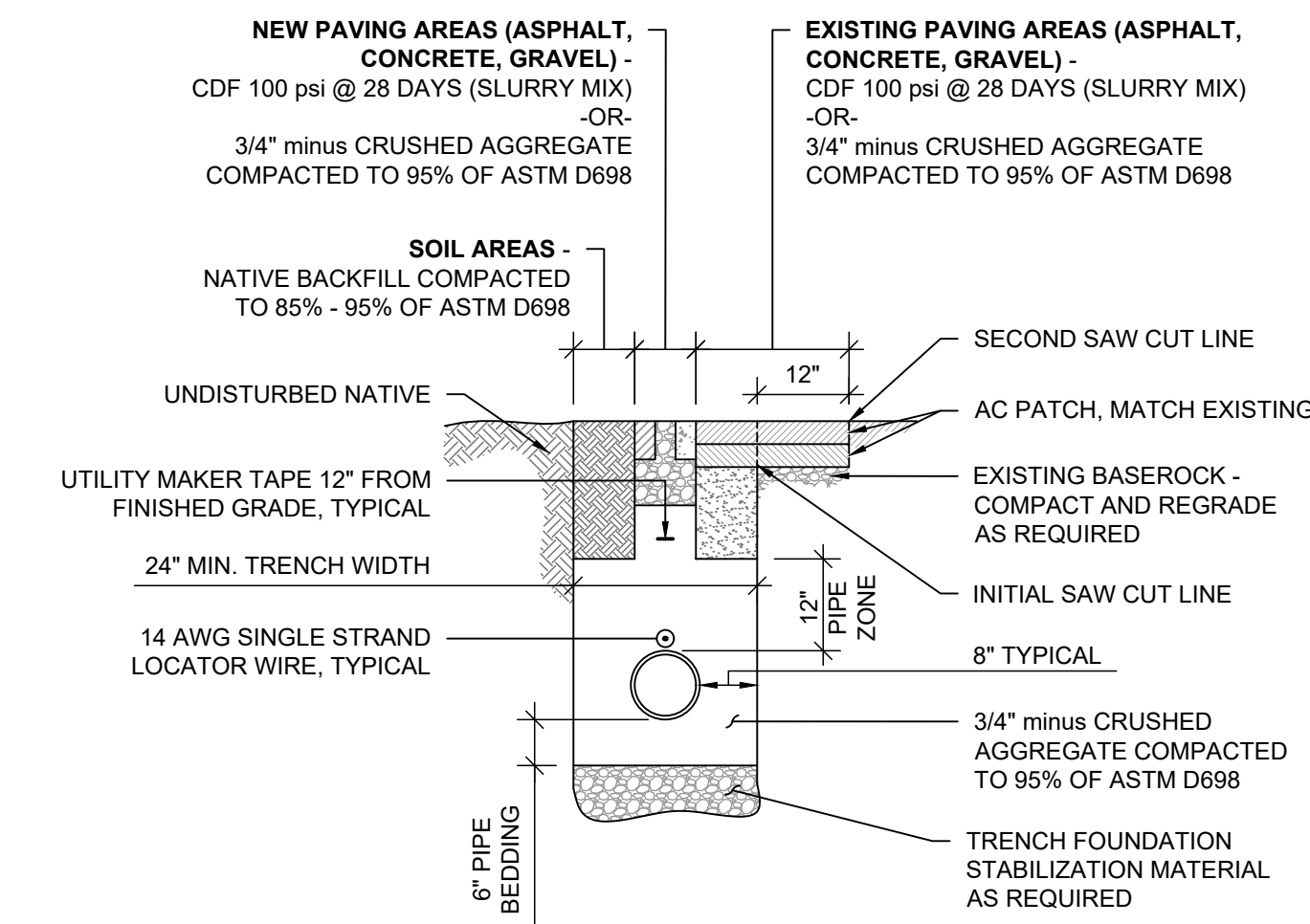


4 CHEEK WALL / RAMP SECTION
C4.10 NTS

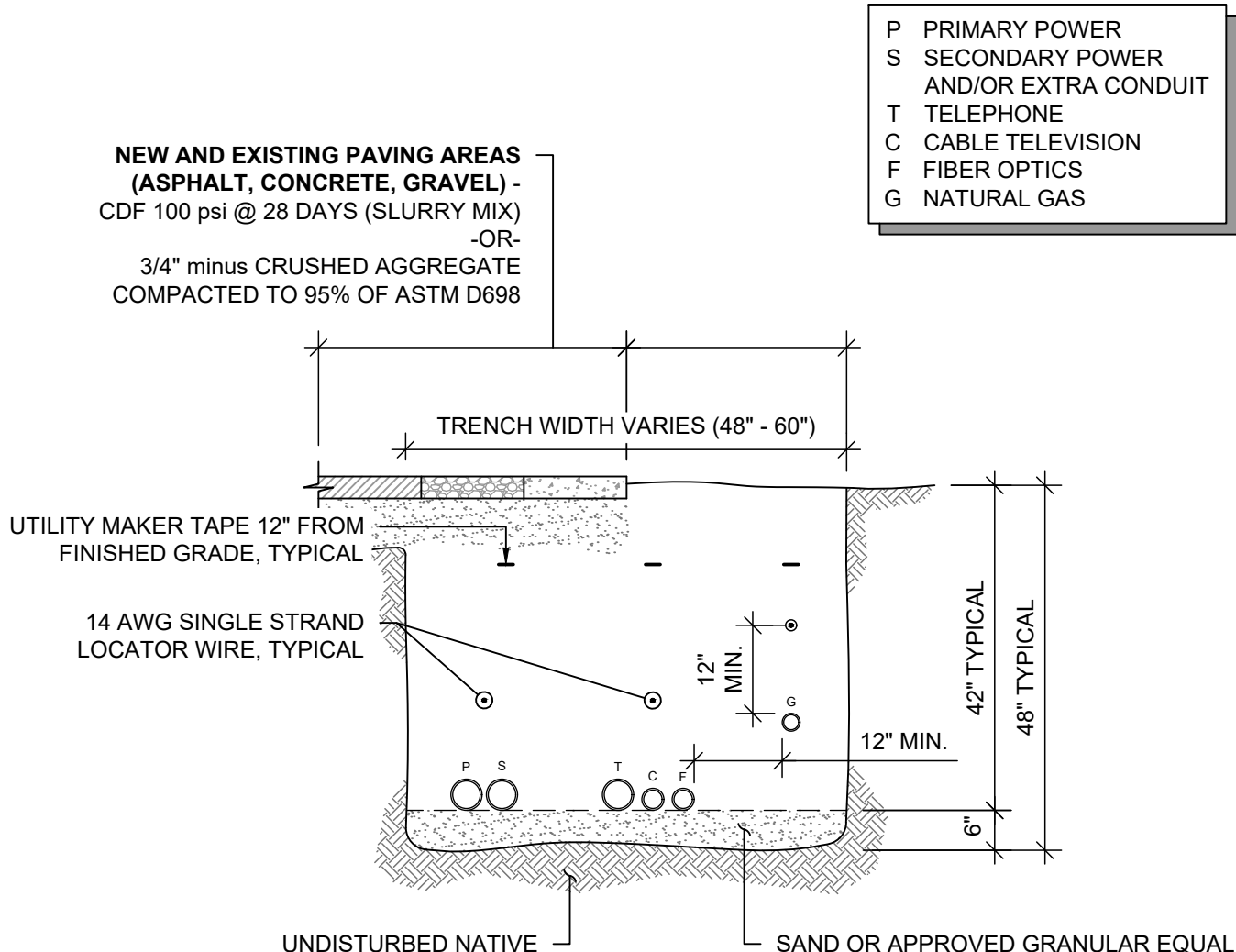
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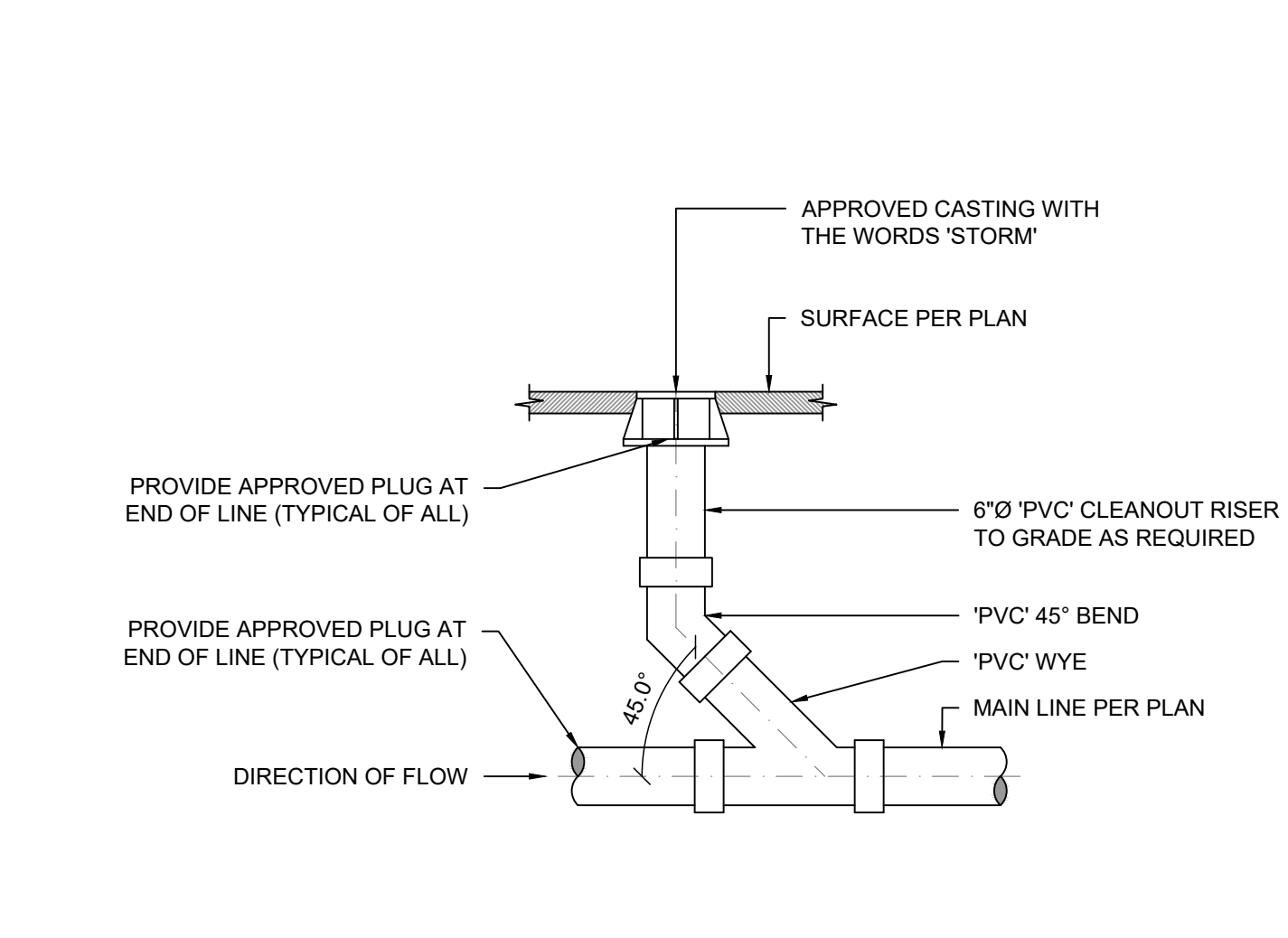
5 HANDRAIL DETAIL
C4.10 NTS



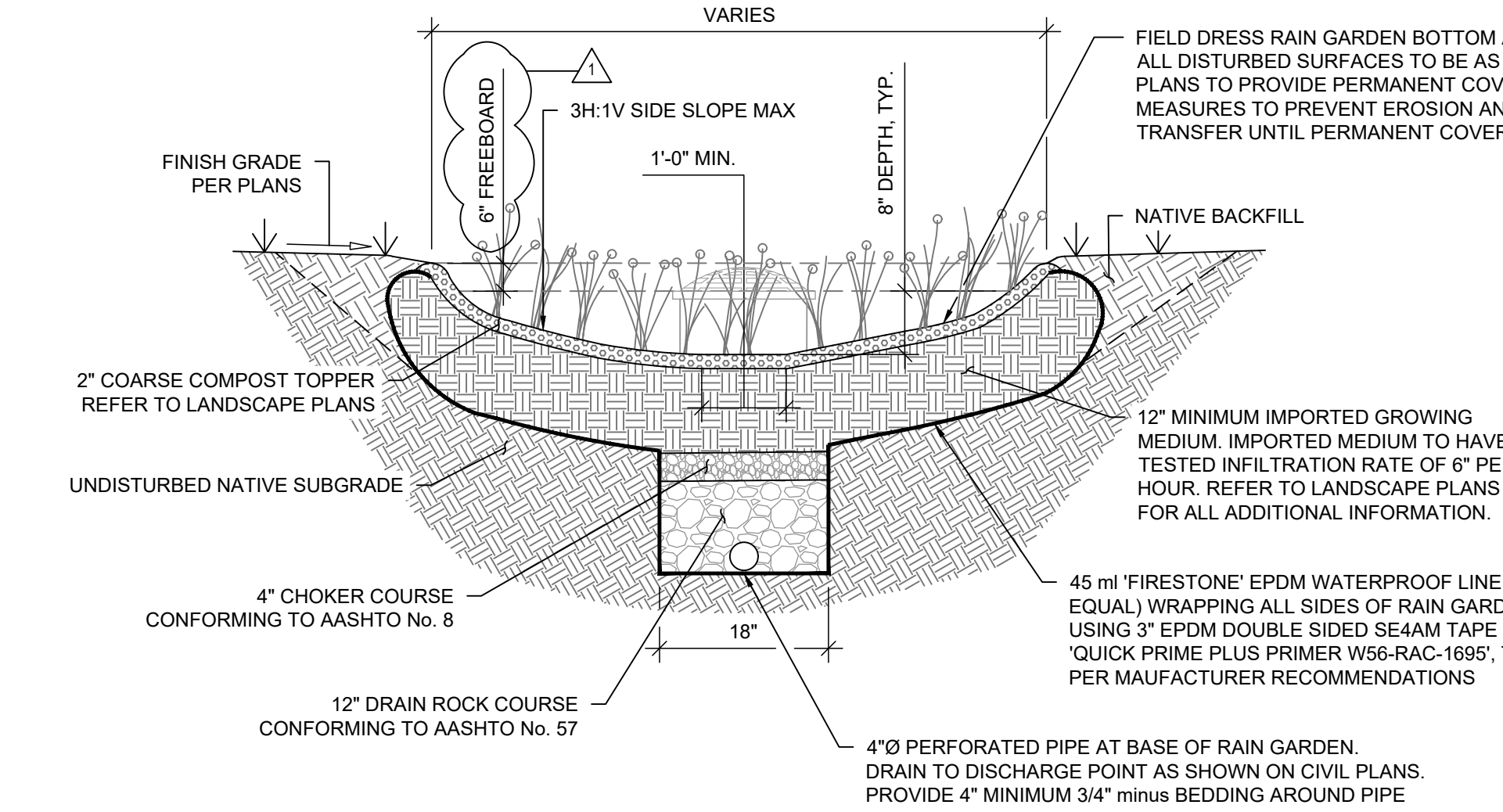
6 TYPICAL PRIVATE WET UTILITY TRENCH SECTION
C4.10 NTS



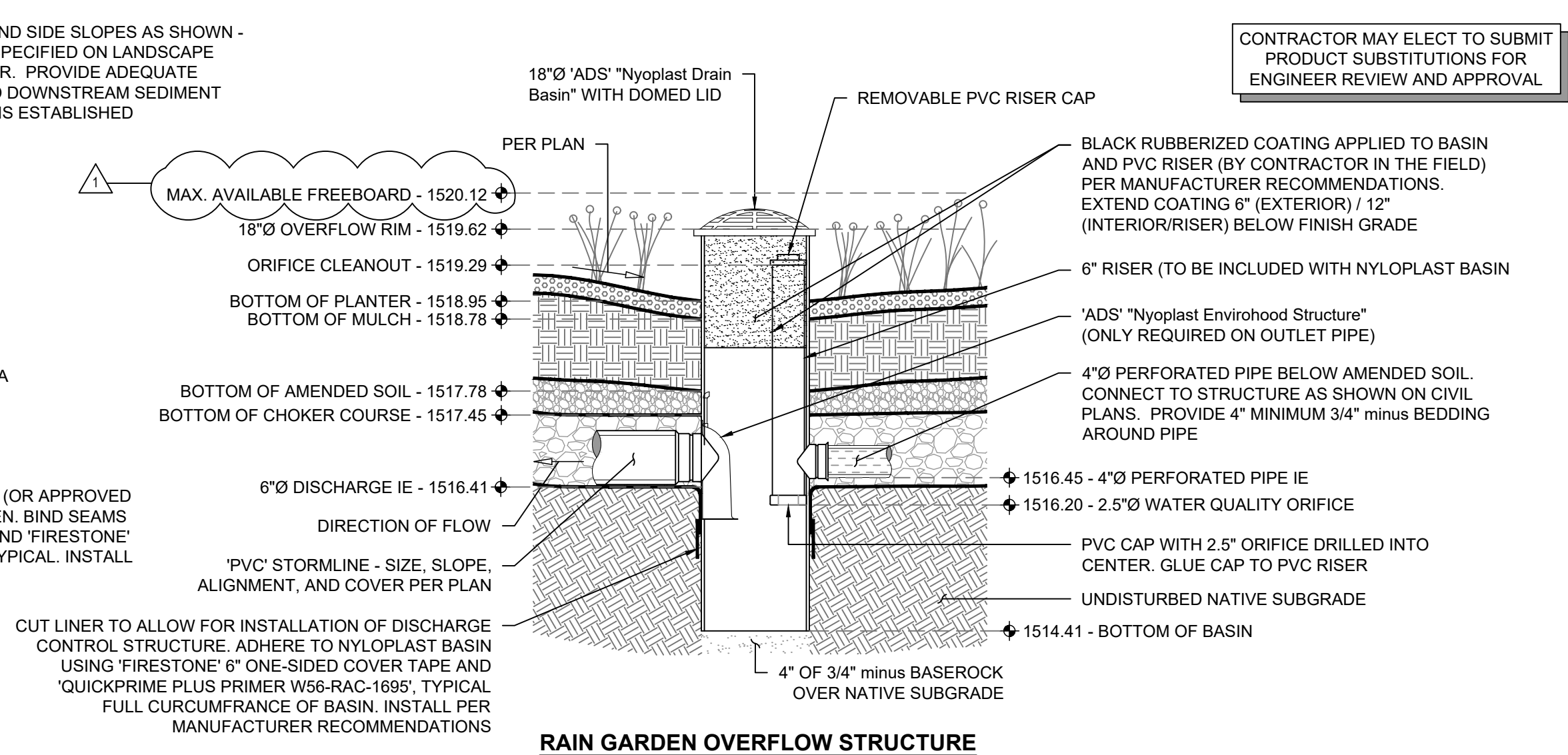
7 TYPICAL COMMON DRY UTILITY TRENCH SECTION
C4.10 NTS



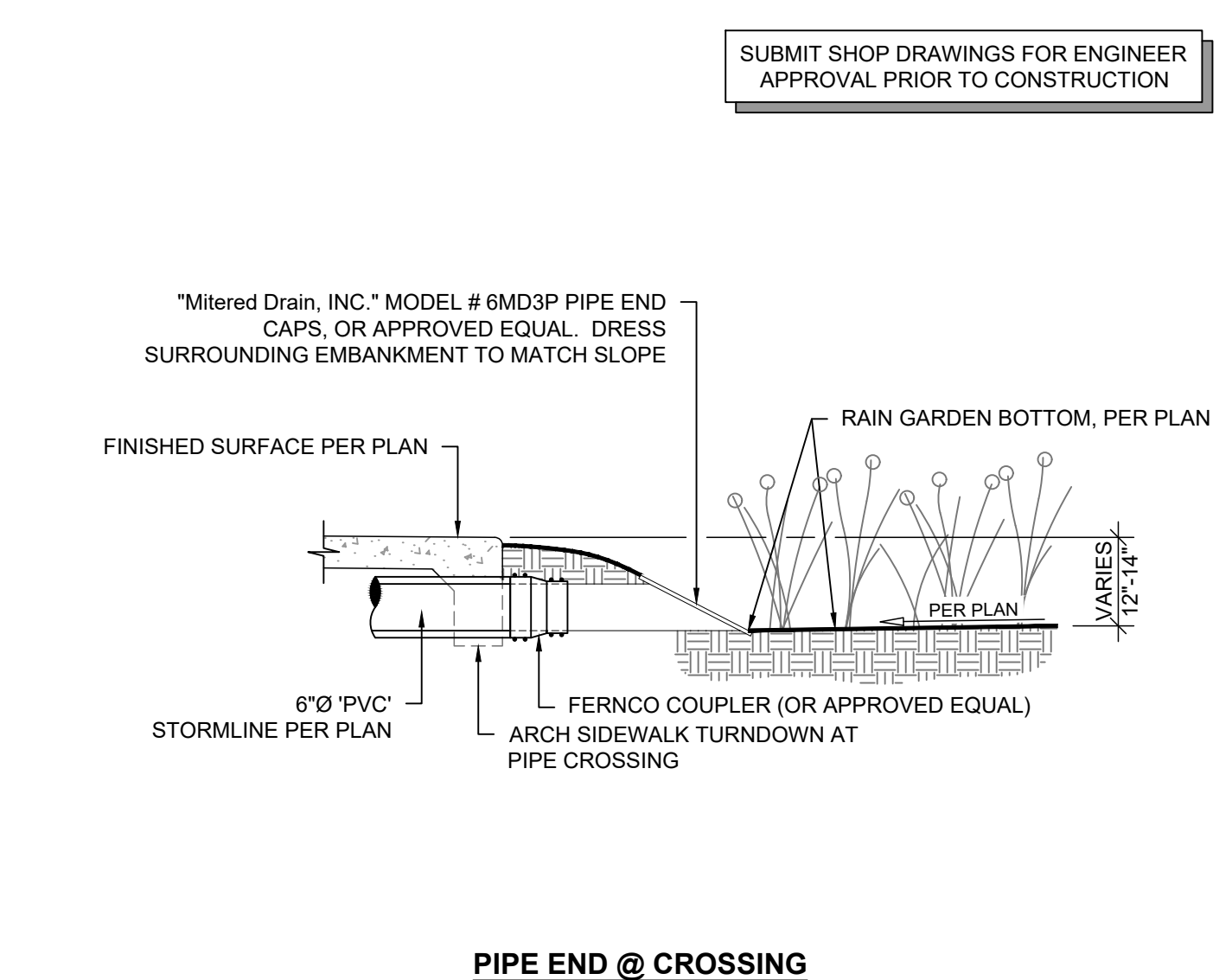
8 STORM CLEANOUT TO GRADE
C4.10 NTS



RAIN GARDEN SECTION



RAIN GARDEN OVERFLOW STRUCTURE



PIPE END @ CROSSING

9 FILTRATION RAIN GARDEN
C4.10 NTS

10 TYPICAL SIDEWALK SWALE CROSSING
C4.10 NTS



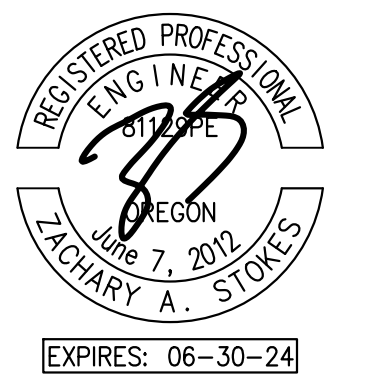
45 Hawthorne Street, Suite 5, Medford, Oregon 97504 | 541-500-8588

PHOENIX-TALENT SD
873 N. ROSE ST.
PHOENIX, OR 97355

PHOENIX HIGH SCHOOL
TENNIS COURTS



ONE INCH EQUALS FULL SCALE



REVISION ID:	DATE:
RVSS #1	03-29-24
PROJECT NO:	M-0348-23
DRAWN:	LR
CHECKED:	MKW
DATE:	01/12/2024

PRIVATE CIVIL
DETAILS

C4.10

BID & PERMIT SET

PHOENIX HIGH SCHOOL TENNIS COURTS EROSION AND SEDIMENT CONTROL PLAN

PHOENIX, OR 97535



45 Hawthorne Street, Suite 5, Medford,
Oregon 97504 | 541-500-8588

PHOENIX-TALENT SD
873 N. ROSE ST.
PHOENIX, OR 97535

PHOENIX
HIGH SCHOOL
TENNIS COURTS



PROJECT INFORMATION **PROJECT SPECIFIC ESC INFORMATION** **PROJECT SPECIFIC ESC INFORMATION** **VICINITY MAP**

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C5.00 ESC COVER SHEET
C5.01 ESC NOTES
C5.02 ESC NOTES
C5.10 EXISTING CONDITIONS AND MOBILIZATION ESC PLAN
C5.11 DEMOLITION AND CLEARING ESC PLAN
C5.12 MASS GRADING AND UTILITY INSTALLATION ESC PLAN
C5.13 PAVING ESC PLAN
C5.14 LANDSCAPING AND FINAL SITE STABILIZATION ESC PLAN
C5.20 ESC DETAILS
C5.21 ESC DETAILS

PROJECT TEAM

CIVIL ENGINEER OF RECORD
ZACHARY A. STOKES, PE
CONTACT: MALIA WATERS
ZCS ENGINEERING & ARCHITECTURE
45 HAWTHORNE STREET
MEDFORD, OR 97504
(541) 500-8588

SURVEYOR
JOHN R. PARIANI, PLS
PARIANI LAND SURVEYING
17 S PLATT STREET SUITE C
EAGLE POINT, OREGON 97524
(541) 890-1131

APPLICANT / OWNER
JON MCCALIP
DIRECTOR OF FACILITIES & SPECIAL PROJECTS
PHOENIX-TALENT SCHOOL DISTRICT 4
873 N. ROSE STREET
PHOENIX, OREGON 97535
(541) 210-0189

PROJECT INFORMATION

SITE LOCATION: PHOENIX HIGH SCHOOL
745 N. ROSE STREET
PHOENIX, OREGON 97535
JACKSON COUNTY
LATITUDE = 42.27658
LONGITUDE = -122.82392

TAX MAP(S)/TAX LOT(S): T38S-R01W-S09D SE 1/4

SITE ACREAGE: TOTAL OVERALL = ±915,196 SF = ±21.01 ACRES

ZONING: MDR - MEDIUM DENSITY RESIDENTIAL

TOTAL DISTURBED AREA: TOTAL OVERALL = ±43,866 SF = ± 1.01 ACRES

CUT/FILL SUMMARY:
CUT = ±412 CY
FILL = ±454 CY
NET = ±41 CY FILL

SITE SOIL CLASSIFICATION: NRCS DESIGNATED RUCH SILT LOAM (157B)
"K" FACTOR OF 0.37
"T" FACTOR OF 5
HYDROLOGIC SOIL GROUP "C"
SLOPES 2% - 7%
EROSION POTENTIAL IS MODERATE

NRCS DESIGNATED RUCH GRAVELLY SILT LOAM
"K" FACTOR OF 0.32
"T" FACTOR OF 5
HYDROLOGIC SOIL GROUP "B"
SLOPES 2% - 7%
EROSION POTENTIAL IS MODERATE

NEARBY WATER BODIES: LIST WATER BODIES WITHIN 1 MILE
RECEIVING WATER BODY - COLEMAN CREEK
DOWNSTREAM WATER BODY - BEER CREEK

CLOSEST RVSS RAIN GAUGE: ASHLAND #2
<https://123scada.com/>
Username: rainpublic@rvss.us
Password: roguerain1

POTENTIAL POLLUTANT GENERATING MATERIALS ON-SITE

- SEDIMENT FROM DEMOLITION AND GRADING ACTIVITIES
- FERTILIZERS
- PESTICIDES
- PAINTS
- CAULKS
- CLEANING SOLVENTS
- FUELS
- HYDRAULIC FLUID
- ASPHALT AND CONCRETE MATERIALS AND WASTES
- GREEN WASTE

CONTRACTOR TO CONTACT OWNER AS NECESSARY TO UPDATE POLLUTANT GENERATING MATERIALS LIST WITH RVSS.

NATURE OF CONSTRUCTION ACTIVITIES AND ESTIMATED TIME TABLE

- DEMOLITION AND CLEARING (SEPTEMBER 2024)
- MASS GRADING AND UTILITY INSTALLATION (OCTOBER 2024)
- PAVING (NOVEMBER 2024)
- LANDSCAPING AND FINAL SITE STABILIZATION (NOVEMBER 2024)

BMP MATRIX FOR CONSTRUCTION PHASES
REVISED BY DEQ 12/15/20

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S.

THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200-CN PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200-CN PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200-CN PERMIT REQUIREMENTS SUPERCEDE REQUIREMENTS OF THIS PLAN.

	DEMO & CLEARING	MASS GRADING	STREET & UTILITIES	FINAL STABILIZATION
CONCRETE TRUCK WASHOUT			X	
CONSTRUCTION ENTRANCE	X	X	X	
DRAINAGE SWALES		X	X	X
PERM. SEEDING & PLANTING				X
PLASTIC SHEETING		X	X	
PRESERVE (E) VEGETATION	*X	X	X	X
STORM DRAIN INLET PROTECT	*X	X	X	**X
STRAW WATTLES	*X	X	X	**X

* SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.
** SIGNIFIES BMP THAT MUST REMAIN IN PLACE UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

HAZARDOUS SPILL RESPONSE PLAN

EMERGENCY COMMUNICATIONS

- CALL 911 FOR MEDICAL EMERGENCY AND PUBLIC SAFETY ASSISTANCE FROM LOCAL FIRE, POLICE, AND MEDICAL SERVICES.
- IMMEDIATELY REPORT THE SPILL, OR THREATENED SPILL, TO OREGON EMERGENCY RESPONSE SYSTEM (OERS), 1-800-452-0311, WHEN THE SPILL OR THREAT OF A SPILL INCLUDES:
 - ANY AMOUNT OF OIL TO WATERS OF THE STATE
 - OIL SPILLS ON LAND IN EXCESS OF 42 GALLONS
 - HAZARDOUS MATERIALS THAT ARE EQUAL TO THE CODE OF FEDERAL REGULATIONS, 40 CFR PART 302 (LIST OF HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES), AND AMENDMENTS ADOPTED BEFORE JULY 1, 2002

ACTIONS TO TAKE

- MOVE AWAY FROM, OR UPWIND OF, THE SPILL IF YOU DETECT AN ODOR AND ARE UNSURE IF IT IS SAFE.
- AVOID CONTACT WITH LIQUIDS OR FUMES.
- KEEP NON-EMERGENCY PEOPLE OUT OF THE AREA.
- CONTROL AND CONTAIN THE SPILL.
- CLEAN-UP WHAT YOU CAN IMMEDIATELY.
- REMOVE CLEAN-UP MATERIALS TO AN APPROVED FACILITY, SUCH AS A SOLID OR HAZARDOUS WATER LANDFILL OR RECYCLING FACILITY. SAVE YOUR RECEIPTS FOR DOCUMENTATION.
- CONTINUE WITH LONG-TERM CLEAN UP MEASURES.
- FILE A COMPLETED SPILL RESPONSE REPORT FORM WITH DEQ AS REQUIRED.

EMERGENCY PROPERTY OWNER REPRESENTATIVES

- JON MCCALIP (PHOENIX-TALENT SCHOOL DISTRICT 4, DIRECTOR OF FACILITIES & SPECIAL PROJECTS) (541) 210-0189
- MALIA WATERS (ZCS ENGINEERING & ARCHITECTURE, PROJECT MANAGER) (541) 500-8588

PERMITTEE'S SITE INSPECTOR

NAME: MALIA K. WATERS
COMPANY: ZCS ENGINEERING & ARCHITECTURE
45 HAWTHORNE STREET
MEDFORD, OREGON 97504
PHONE: (541) 500-8588
EMAIL: MALIAW@ZCSEA.COM
CERTIFICATION: RVSS CERTIFICATION #151
EXPIRES: 05-20-2024

ATTENTION EXCAVATORS:
OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT 503 232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO (2) BUSINESS DAYS BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.

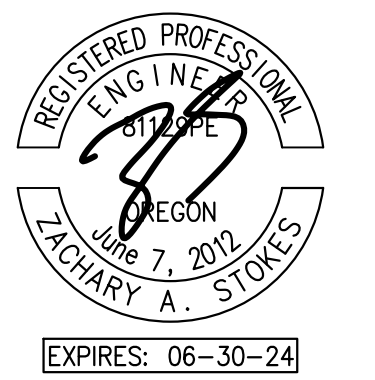
INSPECTION FREQUENCY TABLE
REVISED BY DEQ 12/15/20

SITE CONDITION	MINIMUM FREQUENCY
ACTIVE PERIOD	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUNOFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM THE SITE. AT LEAST ONCE EVERY FOURTEEN (14) DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS	THE INSPECTOR MAY REDUCE THE FREQUENCY OF INSPECTIONS IN ANY AREA OF THE SITE WHERE THE STABILIZATION STEPS IN SECTION 2.2.20 HAVE BEEN COMPLETED TO TWICE PER MONTH FOR THE FIRST MONTH, NO LESS THAN 14 CALENDAR DAYS APART, THEN ONCE PER MONTH.
PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER	IF SAFE, ACCESSIBLE, AND PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATERBODY.
PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS	VISUAL MONITORING INSPECTIONS MAY BE TEMPORARILY SUSPENDED. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.
PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE CONDUCTED AND RUNOFF IS UNLIKELY DURING FROZEN CONDITIONS	VISUAL MONITORING INSPECTIONS MAY BE REDUCED TO ONCE A MONTH. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.
- ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-CN PERMIT REQUIREMENTS.
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-CN PERMIT REQUIREMENTS.
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY, DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS. RETAIN THE ESCP AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION.

SITE PLAN

VICINITY MAP



REVISION ID:	DATE:
RVSS #1	03-29-24
PROJECT NO:	M-0348-23
DRAWN:	LR
CHECKED:	MKW
DATE:	01/12/2024

ESC COVER SHEET

C5.00

ONE INCH EQUALS FULL SCALE

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DEQ 1200-C GENERAL EROSION CONTROL NOTES:

REVISED 12/15/2020

- 1. INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF STORMWATER CONTROL MEASURES (E.G. ESCP DEVELOPER, BMP INSTALLER [SECTION 4.10]), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. [SECTION 4.4.c.ii]
2. VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. [SECTION 6.5]
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. [SECTION 6.5.4]
4. RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. [SECTION 4.7]
5. THE PERMIT REGISTRANT MUST IMPLEMENT THE ESP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. [SECTIONS 4 AND 4.1.1]
6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. [SECTION 4.8]
7. SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMITTAL ALL NECESSARY REVISIONS TO DEQ OR AGENT WITHIN 10 DAYS. [SECTION 4.9]
8. SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. [SECTION 2.2.2]
9. CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. [SECTION 2.2.3]
10. IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G. WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER ZONES. [SECTION 2.2.1]
11. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING AND CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. [SECTION 2.2.5]
12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN 50-FEET OF WATERS OF THE STATE. [SECTION 2.2.4]
13. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION, AS WELL AS SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. [SECTION 2.1.3]
14. CONTROL BOTH PEAK FLOW RATE AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAM BANKS. [SECTIONS 2.1.1 AND 2.2.16]
15. CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. [SECTIONS 2.2.6 AND 2.2.13]
16. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. [SECTION 2.3.7]
17. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATION MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. [SECTIONS 2.2.20 AND 2.2.21]
18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. [SECTION 2.3.7]
19. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G. A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G. SECONDARY CONTAINMENT). [SECTION 2.3.7]
20. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMP'S SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMP'S MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES. [SECTION 2.2.7]
21. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. [SECTION 2.2.7.f]
22. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E. CONCRETE WASHOUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. [SECTIONS 1.5 AND 2.3.9]
23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES AREA NOT OCCURRING ARE NOT DISTURBED. [SECTION 2.2.10]
24. PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION ARE TO BE INSTALLED. [SECTION 2.2.12]
25. USE BMP'S TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES, AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. [SECTIONS 2.2.15 AND 2.3]
26. PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. [SECTION 2.2.17.a]
27. IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. [SECTIONS 2.2.17 AND 2.2.18]
28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. [SECTION 2.4]
29. IMPLEMENT THE FOLLOWING BMP'S WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. [SECTION 2.3]
30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. [SECTION 2.2.9]

DEQ 1200-C GENERAL EROSION CONTROL NOTES (CONT.):

- 31. THE APPLICATION RATE OF FERTILIZERS USED TO RE-ESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. [SECTION 2.3.5]
32. IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ PRIOR TO OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. [SECTION 1.2.9]
33. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THE SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. [SECTION 2.2]
34. AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMP'S MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. [SECTION 2.2.8]
35. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVEGROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. [SECTION 2.1.5.b]
36. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. [SECTION 2.1.5.c]
37. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. [SECTION 2.1.5.d]
38. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT REOCCURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIMEFRAME. [SECTION 2.2.19.a]
39. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. [SECTION 2.2.19]
40. DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND-DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. [SECTION 6.5.f]
41. PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. [SECTION 2.2.20]
42. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. [SECTION 2.2.21]

EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION NOTES:

- 1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. ALL "SEDIMENT BARRIERS (TO BE INSTALLED AFTER GRADING)" SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
3. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATION MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS.
4. STORM WATER FACILITIES SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
5. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.
6. ALL ESC MEASURES AT NEW STORM DRAIN SYSTEM CATCH BASINS AND DOWNSTREAM OFF-SITE CULVERTS SHALL REMAIN IN PLACE UNTIL ALL PHASES OF CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND ASPHALT/CONCRETE/LANDSCAPING HAS BEEN INSTALLED.
7. THE ABOVE REQUIREMENTS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS REQUIRED TO FACILITATE CONSTRUCTION. ALL COSTS FOR EROSION CONTROL MEASURES SHALL BE BORN BY THE CONTRACTOR.
8. THIS PLAN HAS BEEN PREPARED TO ADDRESS THE OVERALL PRIMARY EROSION CONTROL MEASURES THAT MUST BE IMPLEMENTED FOR CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST SPECIFIC EROSION CONTROL MEASURES TO ACCOMMODATE FOR ADDITIONAL PHASED CONSTRUCTION. ANY MODIFICATIONS TO THIS PLAN SHALL BE REVIEWED AND APPROVED BY THE AGENCIES HAVING JURISDICTION AND THE PROJECT ENGINEER PRIOR TO COMMENCEMENT OF WORK.

PRE-CONSTRUCTION, CLEARING, & DEMOLITION NOTES:

- 1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS CONSTRUCTED OUT OF MULCH, CHIPPINGS, OR OTHER SUITABLE MATERIAL, STRAW WATTLES, OR OTHER APPROVED MATERIALS.
3. SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
4. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
5. RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.

GRADING, PAVEMENT, AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

- 1. SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
A. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES. SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX.
B. DWARF GRASS MIX (MIN. 100 LB./AC.)
• DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
• CREEPING RED FESCUE (20% BY WEIGHT)
C. STANDARD HEIGHT GRASS MIX (MIN. 100LB./AC.)
• ANNUAL RYEGRASS (40% BY WEIGHT)
• TURF-TYPE FESCUE (60% BY WEIGHT)
2. SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
5. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
6. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES.
7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
8. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
11. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
12. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
13. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.
14. USE BMP'S SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
15. COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.

ENGINEERED SOILS ANTICIPATED TO BE USED ON-SITE:

NO ENGINEERED SOILS ARE PLANNED TO BE USED DURING CONSTRUCTION. IF CONTRACTOR DETERMINES THE USE OF ENGINEERED SOILS IS REQUIRED, CONTACT THE ENGINEER OF RECORD, AN AMENDMENT TO THIS PLAN WILL BE REQUIRED AND DEQ WILL BE NOTIFIED.

POLLUTION PREVENTION CONTROLS:

PROVIDE AN EFFECTIVE MEANS OF ELIMINATING THE DISCHARGE OF ANY WASTE FROM ANY ACTIVITIES PERFORMED ON SITE BY IMPLEMENTING THE FOLLOWING:

- a. LOCATE ACTIVITIES AWAY FROM WATERS OF THE STATE AND STORMWATER INLETS OR CONVEYANCES SO THAT STORMWATER COMING INTO CONTACT WITH THESE ACTIVITIES CANNOT REACH WATERS OF THE STATE;
- b. ENSURE ADEQUATE SUPPLIES ARE AVAILABLE AT ALL TIMES TO HANDLE SPILLS, LEAKS, AND DISPOSAL OF LIQUIDS, AND PROVIDE SECONDARY CONTAINMENT (E.G. SPILL BERMS, DECKS, SPILL CONTAINMENT PALLETS);
- c. HAVE A SPILL KIT AVAILABLE ON SITE AND ENSURE PERSONNEL ARE AVAILABLE TO RESPOND EXPEDITIOUSLY IN THE EVENT OF A LEAK OR SPILL;
- d. CLEAN UP SPILLS OR CONTAMINATED SURFACES IMMEDIATELY USING DRY CLEAN UP MEASURES (DO NOT CLEAN CONTAMINATED SURFACES BY HOISING THE AREA DOWN), AND ELIMINATE THE SOURCE OF THE SPILL TO PREVENT A DISCHARGE OR A CONTINUATION OF AN ONGOING DISCHARGE; AND
- e. STORE MATERIALS IN A COVERED AREA (E.G. PLASTIC SHEETING, TEMPORARY ROOFS), OR IN SECONDARY CONTAINMENT TO PREVENT THE EXPOSURE OF THESE CONTAINERS TO PRECIPITATION OR STORMWATER RUNOFF, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS FROM THESE AREAS.

AUTHORIZED NON-STORMWATER DISCHARGES:

THE FOLLOWING NON-STORMWATER DISCHARGES FROM CONSTRUCTION SITES ARE AUTHORIZED IF THE TERMS AND CONDITIONS OF THIS PERMIT ARE MET. ALL NECESSARY CONTROLS ARE IMPLEMENTED TO MINIMIZE SEDIMENT TRANSPORT. THE DISCHARGE IS NOT A SIGNIFICANT SOURCE OF POLLUTANTS AND NOT CONTAMINATED, AND THE DISCHARGE IS PROHIBITED BY LOCAL ORDINANCE:

- WATER AND ASSOCIATED DISCHARGES FROM EMERGENCY FIREFIGHTING ACTIVITIES
- FIRE HYDRANT FLUSHING
- PROPERLY MANAGED LANDSCAPE IRRIGATION
- WATER USED TO WASH EQUIPMENT AND VEHICLES (EXCLUDING THE ENGINE, UNDERCARRIAGE, AND WHEELS/TIRES) PROVIDED THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, OR DETERGENTS USED
- WATER TO CONTROL DUST
- POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS
- EXTERNAL BUILDING WASHDOWN, PROVIDED SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED, AND EXTERNAL SURFACES DO NOT CONTAIN HAZARDOUS SUBSTANCES
- PAVEMENT WASH WATERS, PROVIDED SPILLS OR LEAKS OF TOXIC OR HAZARDOUS SUBSTANCES HAVE NOT OCCURRED (UNLESS ALL SPILL MATERIAL HAS BEEN REMOVED) AND WHERE SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED
- UNCONTAMINATED AIR CONDITIONOR OR COMPRESSOR CONDENSATE
- FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS OR CONTAMINATED GROUNDWATER

PROHIBITED DISCHARGES:

THE FOLLOWING DISCHARGES ARE PROHIBITED DISCHARGES AND ARE NOT AUTHORIZED BY THIS PERMIT. TO PREVENT THESE DISCHARGES, REGISTRANTS MUST COMPLY WITH THE APPLICABLE POLLUTION PREVENTION REQUIREMENTS IN SECTION 2.3:

- VISUALLY TURBID DISCHARGE OR DISCHARGE OF SEDIMENT (SEE SECTION 2.2.11) FROM THE CONSTRUCTION SITE TO SURFACE WATERS OR A CONVEYANCE SYSTEM THAT LEADS TO WATERS OF THE STATE
- CAUSING OR CONTRIBUTING TO AN EXCEEDANCE OF ANY APPLICABLE WATER QUALITY STANDARD
- CONCRETE WASTEWATER FROM WASHING TOOLS AND VEHICLES AFTER POURING, PREPPING, OR FINISHING CONCRETE
- WASTEWATER FROM WASHING AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS
- FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE
- SOAPS, SOLVENTS, OR DETERGENTS USED IN VEHICLE AND EQUIPMENT WASHING OR EXTERNAL BUILDING WASHDOWN
- WHEEL/TIRE WASH WASTEWATER, UNLESS THE DISCHARGE OF WHEEL WASH OR TIRE BATH WASTEWATER IS TO A SEPARATE TREATMENT SYSTEM THAT PREVENTS DISCHARGE TO SURFACE WATER, SUCH AS CLOSED-LOOP RECIRCULATION OR UPLAND LAND APPLICATION, OR TO THE SANITARY SEWER WITH APPROVAL FROM THE LOCAL JURISDICTION
- HYDRO-DEMOLITION WATER AND SAW-CUTTING SLURRY
- TOXICS OR HAZARDOUS SUBSTANCES FROM A SPILL OR OTHER RELEASE



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EXPIRES: 06-30-24

REVISION ID:	DATE:

PROJECT NO:	M-0348-23
DRAWN:	LRs
CHECKED:	MKW
DATE:	01/12/2024

ESC NOTES

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STOCKPILE MANAGEMENT:

STOCKPILE MANAGEMENT PROCEDURES AND PRICES ARE DESIGNED TO REDUCE OR ELIMINATE AIR AND STORM WATER POLLUTION FROM STOCKPILES OF SOIL, SAND, AND PAVING MATERIALS SUCH AS PORTLAND CEMENT CONCRETE (PCC) RUBBLE, ASPHALT CONCRETE (AC), ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB-BASE OR PRE-MIXED AGGREGATE, ASPHALT BINDER (SO CALLED "COLD MIX" ASPHALT) AND PRESSURE TREATED WOOD.

ALL STOCKPILES:

- IF FEASIBLE, LOCATE STOCKPILES A MINIMUM OF 50 FEET AWAY FROM INLETS, DRAINAGE COURSES, OR WATER BODIES.
- KEEP STOCKPILES ORGANIZED AND SURROUNDING AREAS CLEAN.
- PROTECT STORM DRAIN INLETS, DRAINAGE COURSES, AND RECEIVING WATERS FROM STOCKPILES, USING DRAIN INLET PROTECTION AND PERIMETER SEDIMENT CONTROLS AS APPROPRIATE.
- CONTROL TRAFFIC AS APPROPRIATE TO PREVENT WIND EROSION OF STOCKPILED MATERIAL.
- TEMPORARY STOCKPILES NOT REMOVED OR USED BY THE END OF ONE WORKDAY MUST BE MANAGED IN ACCORDANCE WITH THIS BMP AND IN ALL CASES PROTECTED PRIOR TO RAINFALL.

STOCKPILES OF SOIL, PORTLAND CEMENT, SAND, MULCH, CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, OR AGGREGATE SUB-BASE:

- PROTECT STOCKPILES WITH A PERIMETER SEDIMENT BARRIER SUCH AS BERMS, SEDIMENT FENCES, FIBER ROLLS, SAND/GRAVEL BAGS, OR STRAW BALE BARRIERS YEARN ROUND.
- STOCKPILES SHOULD ADDITIONALLY BE COVERED OR STABILIZED AS NECESSARY DURING SIGNIFICANT FORECASTED STORM EVENTS (> 0.25 INCHES), PROLONGED PERIODS OF RAIN, AND TO PROTECT FROM WIND EROSION.
- SOIL STOCKPILES MAY BE RETURNED TO THE EXCAVATION IF RAIN IS FORECAST.
- TOPSOIL STOCKPILES SHOULD BE LOW N HEIGHT (IDEALLY <1 METER) AND FLAT AND BE USED WITHIN 6 MONTHS TO PROMOTE HEALTHY SOIL ORGANISMS AND MICROBES. STOCKPILES NOT USED WITHIN 6 MONTHS SHOULD BE RESEDED WITH A SPECIES THAT IS MYCORRHIZAL DEPENDENT TO AVOID THE DEVELOPMENT OF ANAEROBIC CONDITIONS IN THE STOCKPILE. IN ADDITION, TOPSOIL STOCKPILES CAN BE TURNED PERIODICALLY TO KEEP ORGANISMS ALIVE FOR LARGER STOCKPILES AND DURING EXTREMELY HOT WEATHER.

STOCKPILES OF "COLD MIX" OR OTHER POLLUTANTS EASILY TRANSPORTED IN STORM WATER (CEMENT, LIME, AND OTHER CAUSTIC AMENDMENTS):

- STOCKPILES SHALL BE PLACED ON PLASTIC OR COMPARABLE MATERIAL AT ALL TIMES.
- STOCKPILES SHALL BE COVERED WITH PLASTIC OR COMPARABLE MATERIAL PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.10 INCHES).

BAGGED MATERIALS:

- BAGGED MATERIALS SHALL BE PLACED ON PALLETS AT ALL TIMES AND UNDER COVER (PLASTIC SHEETING, INDOORS, ETC.) PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.10 INCHES).
- STOCKPILES/STORAGE OF PRESSURE-TREATED WOOD WITH COPPER, CHROMIUM, AND ARSENIC OR AMMONIACAL COPPER, ZINC, AND ARSENATE;
- "STOCKPILES" OF TREATED WOOD SHALL BE COVERED WITH PLASTIC OR COMPARABLE MATERIAL PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.25 INCHES).

INSPECTION AND MAINTENANCE:

- INSPECT STOCKPILES REGULARLY AND REPAIR AND/OR REPLACE COVERS, AND PERIMETER CONTROLS AS NEEDED.

DUST CONTROL NOTES:

THE GENERAL CONTRACTOR SHALL PROVIDE EXTRA MEASURES FOR DUST CONTROL. DUST CONTROL MEASURES MUST BE IMPLEMENTED TO PREVENT THE SOIL AND ATTACHED POLLUTANTS FROM LEAVING THE SITE. EXTRA MEASURES SHALL BE TAKEN WHERE EXPOSED SOIL IS LIKELY TO BE TRANSPORTED INTO OPEN BODIES OF WATER.

ACCEPTABLE DUST CONTROL MEASURES ARE AS FOLLOWS:

- WATERING
- VEGETATION
- SPRAY-ON ADHESIVES

IF VEGETATION IS THE METHOD TO BE USED:

THE GENERAL CONTRACTOR SHALL NOT CLEAR AND GRUB AREA'S NOT DIRECTLY AFFECTED BY THE CURRENT CONSTRUCTION. LEAVE ALL EXISTING VEGETATION IN PLACE AS TO PREVENT EROSION OF THE EXISTING SOIL BY WIND.

IF SPRAY-ON ADHESIVE IS THE METHOD TO BE USED:

TYPE OF EMULSION	WATER DILUTION	NOZZLE TYPE	APPLY (gall/acre)
ANIONIC ASPHALT	7:1	COARSE SPRAY	1,200
LATEX	12.5:1	FINE SPRAY	235
RESIN-IN-WATER	4:1	FINE SPRAY	300

SEEDING REQUIREMENTS:

TEMPORARY AND PERMANENT SEED MIX OF RESTORATION AND EROSION CONTROL AREAS SHALL BE HYDROSEED PER THE FOLLOWING:

1. SEED MIXTURE SHALL BE "SUNMARK SEEDS - TEAM JR TALL FESCUE" OR ENGINEER APPROVED EQUAL, CONSISTING OF THE FOLLOWING SPECIFICATIONS:
 - 34% SHELBY TALL FESCUE
 - 33% TURNBERRY 3 TALL FESCUE
 - 33% AIRSTOTLE TALL FESCUE
2. SEED SHALL BE APPLIED AT A RATE OF 450 POUNDS PER ACRE.
3. APPLY SEED TO ALL DISTURBED SURFACES PER THE ABOVE NOTES TO PROVIDE PERMANENT COVER. PROVIDE ADEQUATE MEASURES TO PREVENT EROSION & DOWNSTREAM SEDIMENT TRANSFER UNTIL PERMANENT COVER IS ESTABLISHED.

EROSION CONTROL

INSPECTION AND MAINTENANCE:

1. ALL INSPECTIONS (SITE CONDITIONS AND FREQUENCIES) SHALL CONFORM TO THE "INSPECTION FREQUENCY TABLE" ON THIS SHEET.
2. NEWLY SEEDED AREAS SHALL BE INSPECTED FREQUENTLY TO ENSURE THE GRASS IS GROWING. PROVIDE TEMPORARY IRRIGATION AS REQUIRED TO GERMINATE & ESTABLISH SEED. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
3. IF SEEDED AREAS ARE DAMAGED DUE TO RUNOFF, ADDITIONAL BMP'S MAY BE NEEDED. RE-SEED DAMAGED AREAS IMMEDIATELY. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
4. REFER TO CURRENT OREGON/APWA STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

CONCRETE MANAGEMENT:

CONCRETE TRUCKS AND TRANSFER CHUTES SHALL BE WASHED-OUT ON-SITE UTILIZING A CONCRETE WASHOUT TO COLLECT ALL WASH WATER AND CONCRETE WASTE. THE WASHOUT AREA WILL BE LOCATED AWAY FROM STORM DRAINS, OPEN DITCHES OR WATER BODIES. SIGNS WILL BE POSTED THROUGHOUT THE JOBSITE, DIRECTING CREWS AND CONCRETE TRUCKS TO CONCRETE WASHOUTS. UPON COMPLETION OF THE CONCRETE WORK, THE CONTRACTOR SHALL BREAK UP, REMOVE, AND HAUL AWAY OR REUSE ON SITE SOLID CONCRETE THAT HAS ACCUMULATED IN THE WASHOUT.

CONSTRUCTION SPECIFICATIONS:

MATERIAL USE:

- INSTALL STORM DRAIN PROTECTION AT ANY DOWN-GRADIENT INLETS THAT MAY BE IMPACTED BY THE ACTIVITY. (SEE THE BMP ON "STORM DRAIN INLET PROTECTION").
- DO NOT PLACE CONCRETE DURING RAIN (PRECIPITATION THAT IS SUFFICIENT TO CAUSE LOCAL RUNOFF) OR WITHIN 18 HOURS OF FORECASTED RAIN.
- PLACE STOPPERS ON CONCRETE TRUCK CHUTES DURING TRAVEL ON-SITE TO MANAGE POTENTIAL DRIBBLING OF CONCRETE MATERIAL.
- MINIMIZE AMOUNT OF CURING COMPOUND AND FORM OIL USED AND DO NOT OVERSPRAY ON TO A NON-TARGET SURFACE.
- SANDBLASTING: USE SHROUDS WHERE NECESSARY TO CONTAIN WASTE FROM SANDBLASTING. CONDUCT WORK IN ACCORDANCE WITH APPLICABLE AIR QUALITY STANDARDS. COLLECTED DEBRIS FOR PROPER DISPOSAL ASAP AND PRIOR TO RAIN EVENTS.
- MINIMIZE THE AMOUNT OF WATER USED DURING CORING/DRILLING OR SAW CUTTING. DURING WET CORING OR SAW CUTTING, USE A SHOVEL OR WET MINOR SPILLS: MINOR SPILLS TYPICALLY INVOLVE SMALL QUANTITIES OF OIL, GASOLINE, PAINT, ETC. THAT CAN BE CONTROLLED BY THE FIRST RESPONDER AT THE DISCOVERY OF THE SPILL. CONTROL OF MINOR SPILLS INVOLVES:
 1. CONTAIN THE SPILL IMMEDIATELY.
 2. RECOVER SPILLED MATERIALS (IF POSSIBLE).
 3. CLEAN THE CONTAMINATED AREA AND DISPOSE OF CONTAMINATED MATERIALS.
- ACID WASHING OF CONCRETE SHALL BE MINIMIZED. WHERE REQUIRED, ACID WASH SHALL BE DIRECTED INTO A COLLECTION AREA LINED WITH VISQUEEN. RESIDUALS SHALL BE COLLECTED AND PROPERLY DISPOSED OF AS HAZARDOUS WASTE.
- HANDLING OF WET CONCRETE, SUCH AS MOVING A PUMPER CHUTE OR TRANSPORTING MATERIAL IN A WHEELBARROW FROM THE DELIVERY TRUCK, MUST BE PERFORMED IN A CONTROLLED MANNER TO PREVENT DRIPS AND SPILLS OUTSIDE THE TARGET POUR AREA. MINIMIZE WATER USE.
- CONCRETE DRIPS, SPILLS, OVER POURS, AND EQUIPMENT RINSE WATER LANDING ON RAIN-EXPOSED OUTSIDE OF ANY BMP DEVICE MUST BE COLLECTED AND HAVE THE SURFACE CLEANED AND WASTE DISPOSED OF PROPERLY PRIOR TO THE END OF THE WORKDAY OR BEFORE THE NEXT RAIN EVENT. CONCRETE-LADEN EQUIPMENT IMPLEMENTS (E.G., CRANE BUCKETS) MUST BE STORED ON TOP OF HEAVY MIL PLASTIC UNTIL DRY. USED FORMS THAT ARE NOT IMMEDIATELY PLACED INTO A HAUL TRUCK WHEN REMOVED FROM FOUNDATIONS MUST ALSO BE TEMPORARILY STAGED OVER PLASTIC SHEETING OR AN EQUIVALENT UNTIL RINSED, WIPED, OR DRIED OR UNTIL HAULLED OFFSITE.

WASTE MANAGEMENT:

- **DO NOT DISCHARGE CONCRETE RESIDUE OR PARTICULATE MATTER INTO A STORM DRAIN INLET OR WATERCOURSE.**
- EXCESS CONCRETE SHALL NOT BE DUMPED ON-SITE. THE FOLLOWING OPTIONS SHALL BE USED FOR CONCRETE TRUCK CHUTE AND/OR PUMP AND HOSE WASHOUT:
 - CONCRETE WASHOUTS: WASHOUT STATIONS CAN BE A PLASTIC LINED TEMPORARY PIT OR BERMED AREA DESIGNED WITH SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS PLUS ENOUGH CAPACITY FOR RAINWATER. THE DESIGNATED AREA SHALL BE LOCATED AWAY FROM STORM DRAIN INLETS, OR WATERCOURSES. NEW WASHOUTS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUFFICIENT WASHOUT CAPACITY ON-SITE. WASTES OTHER THAN CONCRETE (I.E., TRASH, PAINT WASTES ETC.) SHALL NOT BE DISPOSED OF IN THE WASHOUT.

INSPECTION AND MAINTENANCE:

- RESPONSIBLE PERSONNEL SHALL ENSURE THAT ALL CONCRETE TRUCK DRIVERS ARE INSTRUCTED ABOUT PROJECT PRACTICES WHEN THE TRUCKS ARRIVE ON SITE.
- CLEAN OUT DESIGNATED WASHOUT AREAS AS NEEDED OR AT A MINIMUM WHEN THE WASHOUT IS 75 PERCENT FULL TO MAINTAIN SUFFICIENT CAPACITY THROUGHOUT THE PROJECT DURATION.
- ANY DESIGNATED WASHOUT AREAS SHALL BE CLEANED OUT AND ALL DEBRIS REMOVED UPON PROJECT COMPLETION. DISPOSE OF CONCRETE WASTE ACCORDING TO THE BMP ON "SOLID WASTE MANAGEMENT."
- INSPECT ROUTINELY, WHEN APPLICABLE ACTIVITIES ARE UNDERWAY TO ENSURE THAT CONCRETE WASHOUT DOES NOT OVERFLOW AND THAT FREEBOARD IS ADEQUATE TO CONTAIN CONCRETE AND RAIN.

PAVING OPERATIONS MANAGEMENT:

IN ORDER TO REDUCE THE POTENTIAL FOR THE TRANSPORT OF POLLUTANTS IN STORM WATER RUNOFF FROM PAVING OPERATIONS, PAVING SHALL NOT TAKE PLACE WITHIN 72 HOURS OF A PREDICTED SIGNIFICANT (>0.10") STORM EVENT. IF PAVING DOES OCCUR WITHIN 72 HOURS OF A SIGNIFICANT STORM EVENT, CATCH BASIN FILTERS OR OTHER APPROPRIATE BMP'S SHALL BE UTILIZED TO TRAP HYDROCARBONS.

CONSTRUCTION SPECIFICATIONS:

- PROTECT STORM DRAIN INLETS NEAR WORK AND DOWN GRADIENT OF WORK AREAS DURING SAW CUTTING, PAVING, OR GRINDING OPERATIONS.
- SAW-CUT SLURRY SHALL BE SHOVELED, VACUUMED AND REMOVED FROM SITE.
- PAVING MATERIALS AND MACHINERY SHALL BE STORED AWAY FROM STORM DRAINS AND WATER BODIES AND SECONDARY CONTAINMENT WILL BE USED TO CATCH DRIPS, LEAKS OR SPILLS WHERE APPLICABLE.
- IF ON-SITE MIXING IS PLANNED THEN AN AREA SHALL BE DESIGNATED FOR CONDUCTING THE MIXING. THIS AREA SHALL BE PAVED OR MADE IMPERVIOUS (E.G., PLASTIC OR WOOD SHEETING) AND BE LOCATED AWAY FROM STORM DRAIN INLETS OR WATERCOURSES.
- MINIMIZE OVERSPRAY OF TACKIFYING EMULSIONS OR PLACEMENT OF OTHER PAVING MATERIALS BEYOND THE LIMITS OF THE AREA TO BE PAVED.
- USE DRY METHODS TO CLEAN EQUIPMENT AND CONDUCT CLEANING IN ACCORDANCE WITH THE BMP ON "VEHICLE AND EQUIPMENT CLEANING."
- MATERIAL USE AND STOCKPILES SHALL BE MANAGED IN ACCORDANCE WITH BMP'S ON "MATERIAL USE" AND "STOCKPILE MANAGEMENT."
- COLLECT AND REMOVE ALL BROKEN ASPHALT AND CONCRETE OR EXCESS MATERIALS. RECYCLE WHEN FEASIBLE AND DISPOSE OF MATERIALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- DO NOT APPLY ASPHALT, CONCRETE PAVING, SEAL COAT, TACK COAT, SLURRY SEAL OR FOG SEAL IF RAIN IS EXPECTED DURING THE APPLICATION OR CURING PERIOD.
- AVOID IF POSSIBLE, TRANSFERRING, LOADING, OR UNLOADING PAVING MATERIALS NEAR STORM DRAIN INLETS OR WATERCOURSES. IF NOT POSSIBLE, USE BMP ON STORM DRAIN INLET PROTECTION.

INSPECTION AND MAINTENANCE:

- INSPECT AND MAINTAIN EQUIPMENT AND MACHINERY ROUTINELY TO MINIMIZE LEAKS AND DRIPS.
- INSPECT INLET PROTECTION MEASURES ROUTINELY.

SPILL PREVENTION AND CONTROL PROCEDURES:

CONSTRUCTION SPECIFICATIONS:

- THE CONTRACTOR SHALL PREPARE A SITE/PROJECT SPECIFIC SPILL RESPONSE PLAN THAT IDENTIFIES THE TYPE AND LOCATION OF PRODUCTS OR WASTES ON THE SITE WITH SPILL POTENTIAL, THE LOCATION OF SPILL CLEANUP MATERIALS, STORM DRAINS OR SENSITIVE AREAS THAT REQUIRE IMMEDIATE RESPONSE, PERSONNEL RESPONSIBLE FOR SPILL RESPONSE AND NOTIFICATIONS, AND SPILL CLEANUP PROCEDURES.
- AVOIDING SPILLS AND LEAKS IS PREFERABLE TO CLEANING THEM UP AFTER THEY OCCUR. HEAVY EQUIPMENT (E.G., BULLDOZERS AND OTHER GRADING EQUIPMENT) AND VEHICLES SHOULD BE INSPECTED DAILY (OR AS OFTEN AS POSSIBLE) FOR LEAKS AND SHOULD BE REPAIRED AS NECESSARY. USE SECONDARY CONTAINMENT AND DRIP PANS FOR VEHICLE FUELING, MAINTENANCE, AND STORAGE (SEE BMP FOR "VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE.")
- DESPITE PRECAUTIONS, SPILLS MAY STILL OCCUR AT THE SITE. SPILLS (OF LIQUID OR DRY MATERIALS) SHOULD NEVER BE CLEANED UP BY HOSING OFF THE AREA. IN THE EVENT THAT SPILLS OCCUR THEY SHOULD BE CONTROLLED AS FOLLOWS:
 1. NOTIFY THE PROJECT FOREMAN IMMEDIATELY. THE FOREMAN/SUPERINTENDENT IS RESPONSIBLE FOR ANY NECESSARY NOTIFICATIONS (FIRE DEPARTMENT ETC.).
 2. CONTAIN THE SPREAD OF THE SPILL (USING SAND BAGS OR OTHER BARRIERS) IMMEDIATELY.
 3. IF THE SPILL HAS OCCURRED ON A PAVED OR IMPERMEABLE SURFACE, CLEAN IT UP USING DRY METHODS (ABSORBENT MATERIALS, AT LITTER, AND/OR RAGS). CONTAIN THE SPILL BY ENCRICLING IT WITH ABSORBENT MATERIALS.
 4. IF THE SPILL HAS OCCURRED ON AN UNPAVED OR PERMEABLE SURFACE, IMMEDIATELY CONTAIN THE SPILL BY CONSTRUCTING AN EARTHEN DIKE, DIG UP AND PROPERLY DISPOSE OF CONTAMINATED SOIL.
 5. IF THE SPILL HAS OCCURRED DURING A RAIN EVENT, COVER/CONTAIN THE AREA IF POSSIBLE.

MEDIUM-SIZED SPILLS:

- MEDIUM-SIZED SPILLS STILL CAN BE CONTROLLED BY THE FIRST RESPONDER, ALONG WITH THE AID OF OTHER PERSONNEL SUCH AS LABORERS, FOREMEN, ETC. THIS RESPONSE MAY REQUIRE THE CESSATION OF OTHER ACTIVITIES. SPILLS SHOULD BE CLEANED UP IMMEDIATELY, AS FOLLOWS:
 1. NOTIFY THE PROJECT FOREMAN IMMEDIATELY. THE FOREMAN/SUPERINTENDENT IS RESPONSIBLE FOR ANY NECESSARY NOTIFICATIONS (FIRE DEPARTMENT ETC.).
 2. CONTAIN THE SPREAD OF THE SPILL (USING SAND BAGS OR OTHER BARRIERS) IMMEDIATELY.
 3. IF THE SPILL HAS OCCURRED ON A PAVED OR IMPERMEABLE SURFACE, CLEAN IT UP USING DRY METHODS (ABSORBENT MATERIALS, AT LITTER, AND/OR RAGS). CONTAIN THE SPILL BY ENCRICLING IT WITH ABSORBENT MATERIALS.
 4. IF THE SPILL HAS OCCURRED ON AN UNPAVED OR PERMEABLE SURFACE, IMMEDIATELY CONTAIN THE SPILL BY CONSTRUCTING AN EARTHEN DIKE, DIG UP AND PROPERLY DISPOSE OF CONTAMINATED SOIL.
 5. IF THE SPILL HAS OCCURRED DURING A RAIN EVENT, COVER/CONTAIN THE AREA IF POSSIBLE.

SIGNIFICANT/HAZARDOUS SPILLS:

- FOR LARGE SPILLS OR SPILLS INVOLVING HAZARDOUS MATERIALS THAT CANNOT BE CONTROLLED BY PROJECT PERSONNEL, THE FOLLOWING STEPS SHOULD BE TAKEN:
 1. THE FOREMAN SHOULD NOTIFY THE PROJECT SUPERINTENDENT IMMEDIATELY AND FOLLOW UP WITH A WRITTEN INCIDENT REPORT.
 2. THE PROJECT SUPERINTENDENT WE NOTIFY LOCAL EMERGENCY RESPONSE PERSONNEL BY DIALING 911. IN ADDITION, THE PROJECT SUPERINTENDENT WILL NOTIFY THE APPROPRIATE COUNTY OFFICIALS. IT IS THE PROJECT SUPERINTENDENT'S RESPONSIBILITY TO HAVE ALL OF THE EMERGENCY PHONE NUMBERS AT THE CONSTRUCTION SITE.
 3. THE PROJECT SUPERINTENDENT WILL ALSO NOTIFY THE OREGON DEQ.
 4. FOR SPILLS OF FEDERAL REPORTABLE QUANTITY (AS ESTABLISHED UNDER 40 CFR PARTS 110, 117, OR 302), THE PROJECT SUPERINTENDENT WILL NOTIFY THE NATIONAL RESPONSE CENTER BY TELEPHONE AT (800) 424-8802 WITHIN 24 HOURS. WITHIN 14 DAYS, THE PROJECT SUPERINTENDENT WILL SUBMIT A WRITTEN DESCRIPTION OF THE RELEASE TO EPA REGION 10, INCLUDING THE DATE AND CIRCUMSTANCES OF THE INCIDENT AND STEPS TAKEN TO PREVENT ANOTHER RELEASE.
 5. RETAIN THE SERVICES OF A SPILL CLEANUP CONTRACTOR OR HAZMAT TEAM IMMEDIATELY. CONSTRUCTION PERSONNEL SHOULD NOT ATTEMPT TO CLEAN UP THE SPILL UNTIL THE APPROPRIATE AND QUALIFIED STAFF HAS ARRIVED AT THE SITE.
 6. OTHER AGENCIES THAT MAY NEED TO BE CONTACTED INCLUDE THE LOCAL FIRE DEPARTMENT, OREGON DEPARTMENT OF TRANSPORTATION, ETC.

INSPECTION AND MAINTENANCE:

- INSPECT WORK AND MATERIAL STORAGE AREAS ROUTINELY FOR ADEQUATE CONTAINMENT TO AVOID UNCONTROLLED RELEASES.

FINAL EROSION CONTROL SITE PREPARATION:

ALL DISTURBED SOIL AREAS, INCLUDING R.O.W., SHALL BE TREATED AND SEEDED PER THE FOLLOWING NOTES. SEED COMPOSITION SHALL CONSIST OF A NATIVE GRASS BLEND MATCHING SURROUNDING AREA. GRASS SEED MIXTURE TO BE SUBMITTED FOR REVIEW PRIOR TO APPLICATION.

1. ALL FINAL GRADE PREPARATION AND PLANTING/SEEDING SHALL BE COORDINATED WITH THE PROJECT LANDSCAPER AND ENGINEER AT TIME OF CONSTRUCTION.
2. BRING ALL PLANTERBERD/SEEDBED AREAS TO FINAL GRADE, REMOVE ALL ROCKS AND DEBRIS, AND SMOOTH SURFACE UNDUATIONS LARGER THAN 2 INCHES.
3. DIVERT CONCENTRATED FLOWS AWAY FROM THE PLANTER/SEEDED AREAS.
4. FOR OPTIMUM PLANTING/SEEDING CONDITIONS PRESERVE TOPSOIL AND STOCKPILE MATERIAL UNTIL FINAL GRADES ARE ESTABLISHED. SPREAD TOP SOIL OVER NEW GRADES. SEE PROJECT LANDSCAPER FOR ADDITIONAL INFORMATION RELATED TO TOPSOIL REQUIREMENTS.
5. ROUGHEN THE SOIL BY HARROWING, TRACKING, GROOVING OR FURROWING.
6. THE SEEDBED SHOULD BE FIRM BUT NOT COMPACT. THE TOP 4.0-6.0 INCHES OF SOIL SHOULD BE LOOSE, MOIST AND FREE OF LARGE CLOUDS AND STONES. VERIFY TOPSOIL REQUIREMENTS WITH LANDSCAPER AT TIME OF CONSTRUCTION.
7. HARROWING, TRACKING OR FURROWING SHOULD BE DONE HORIZONTALLY ACROSS THE FACE OF THE SLOPE, SO RIDGES ARE ALONG THE SLOPE CONTOUR.
8. APPLY SEED AT THE RATES SPECIFIED BY SEED SUPPLIER USING CALIBRATED SEED SPREADERS, CYCLONE SEEDERS, MECHANICAL DRILLS, OR HYDROSEEDER SO THAT SEED IS APPLIED UNIFORMLY ON THE SITE. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
9. BROADCAST SEED SHOULD BE INCORPORATED INTO THE SOIL BY RAKING OR CHAIN DRAGGING AND THEN LIGHTLY COMPACTED TO PROVIDE GOOD SEED-SOIL CONTACT. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
10. TO PREVENT SEED FROM BEING WASHED AWAY, CONFIRM INSTALLATION OF ALL REQUIRED SURFACE WATER CONTROL MEASURES.
11. DOUBLE THE RATE OF SEED APPLICATION WHEN SEED IS APPLIED IN A SINGLE APPLICATION. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.

DEWATERING AND PONDED WATER MANAGEMENT:

DEWATERING AND PONDED WATER MANAGEMENT APPLIES TO AREAS WHERE STORM WATER HAS COLLECTED IN LOW SPOTS, TRENCHES OR OTHER DEPRESSIONS AND NEEDS TO BE REMOVED TO PROCEED WITH CONSTRUCTION ACTIVITIES OR FOR VECTOR CONTROL. ALL DEWATERING DISCHARGE ACTIVITIES MUST BE CONDUCTED IN ACCORDANCE WITH LOCAL AGENCY (I.E., LOCAL SEWERAGE AGENCY OR OTHER APPLICABLE AGENCY) PERMIT REQUIREMENTS.

CONSTRUCTION SPECIFICATIONS:

- PONDED STORM WATER SHALL BE SETTLED OR FILTERED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGE.
- WATER FROM TRENCH OR EXCAVATION DEWATERING SHALL BE TESTED IF REQUIRED BY APPLICABLE PERMITS AND DISCHARGED IN ACCORDANCE WITH PERMIT PROVISIONS.
- FOR CLEAN PONDED STORM WATER, DEWATERING DISCHARGES (WITHOUT PERMIT REQUIREMENTS), AND AUTHORIZED/NO-STORM WATER DISCHARGES, USE ONE OF THE FOLLOWING METHODS FOR DISCHARGE / DISPOSAL AS ALLOWABLE BY LOCAL REQUIREMENTS / AGENCIES AND APPROVED BY THE PROJECT SUPERINTENDENT. WATER SHALL BE CLEAN AND FREE OF SIGNIFICANT SEDIMENT, SURFACTANTS, OR OTHER POLLUTANTS.
- REDUCE SEDIMENT DISCHARGE BY PUMPING WATER FROM THE TOP OF PONDED AREAS USING A FLOATING OR RAISED HOSE.
- USE WATER WHERE POSSIBLE FOR CONSTRUCTION ACTIVITIES SUCH AS COMPACTION AND DUST CONTROL AND LANDSCAPE IRRIGATION. IF USED FOR THESE APPLICATIONS, ENSURE THAT THE WATER WILL INFILTRATE AND NOT RUN-OFF FROM THE LAND TO STORM DRAIN SYSTEMS, TO CREEK BEDS (EVEN IF DRY) OR TO RECEIVING WATERS.
- INFILTRATE TO AN APPROPRIATE LANDSCAPED, VEGETATED OR SOIL AREA. NOTE: INFILTRATION MAY BE PROHIBITED IN ACCORDANCE WITH LOCAL REQUIREMENTS.
- DISCHARGE TO AN ON-SITE TEMPORARY SEDIMENT POND.
- DISCHARGE TO THE STORM DRAIN SYSTEM. WATER FROM DEWATERING MUST NOT CONTAIN SIGNIFICANT SEDIMENTS OR OTHER POLLUTANTS AND DISCHARGE MUST BE IN ACCORDANCE WITH LOCAL PERMITS.
- IF A PERMIT IS REQUIRED, PROVIDE TEMPORARY ONSITE STORAGE (BAKER TANKS, ETC.) OF WATER REMOVED FROM TRENCHES, EXCAVATIONS, ETC., UNTIL A PERMIT TO DISCHARGE IS OBTAINED.
- IF A PERMIT IS OBTAINED FOR DISCHARGE TO A STORM DRAIN OR SANITARY SEWER SYSTEM, CONDUCT ALL DEWATERING DISCHARGE ACTIVITIES IN ACCORDANCE WITH PERMIT REQUIREMENTS.

INSPECTION AND MAINTENANCE:

- INSPECT PUMPS, HOSES AND ALL EQUIPMENT BEFORE USE. MONITOR DEWATERING OPERATIONS TO ENSURE IT DOES NOT CAUSE OFFSITE DISCHARGE OR EROSION.
- INSPECT ROUTINELY, WHEN APPLICABLE ACTIVITIES ARE UNDER WAY.

VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE MANAGEMENT:

VEHICLES AND HEAVY MACHINERY ARE A POTENTIAL SOURCE OF POLLUTANTS SUCH AS PETROLEUM PRODUCTS, ANTIFREEZE, AND EXHAUST AND WASTE OIL CONTAINING HEAVY METALS. POLLUTANTS MAY ENTER STORM WATER RUNOFF BY MEANS OF DIRECT CONTACT WITH MACHINE PORTS AND BY CONTACT WITH SPILLS ON SURFACES AND THE FOLLOWING CONTROL MEASURES CAN HELP PREVENT CONTACT OF THESE POTENTIAL POLLUTANTS WITH STORM WATER AND GROUND SURFACES.

CONSTRUCTION SPECIFICATIONS:

- FUELING - ON SITE VEHICLE AND EQUIPMENT FUELING SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR FUELING. WHEN FUELING MUST OCCUR ON-SITE, THE CONTRACTOR SHALL SELECT AND DESIGNATE AN AREA TO BE USED, SUBJECT TO APPROVAL. VEHICLE AND EQUIPMENT FUELING (INCLUDING FUELING OF HANDHELD EQUIPMENT) SHALL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING:
- AWAY FROM STORM DRAIN INLETS, DRAINAGE FACILITIES, OR WATERCOURSES.
 - ON A PAVED SURFACE WHERE PRACTICAL.
 - WITHIN A BERMED AREA TO PREVENT RUN-ON, RUNOFF, AND TO CONTAIN SPILLS.
 - STORE PORTABLE FUEL CONTAINERS FOR HAND HELD EQUIPMENT IN A TUB OR EQUIVALENT DEVICE TO AVOID SPILLS AND LEAKS.
 - USE SECONDARY CONTAINMENT TECHNIQUES FOR FUELING OF HANDHELD OR PORTABLE EQUIPMENT, SUCH AS DRAIN PANS OR DROP CLOTHS TO CATCH SPILLS OR LEAKS.
 - ALL FUELING SHALL BE CONDUCTED WITH THE FUELING OPERATOR IN ATTENDANCE AT ALL TIMES.
 - USE VAPOR RECOVERY NOZZLES TO HELP CONTROL DRIPS AND REDUCE AIR POLLUTION AND NOZZLES EQUIPPED WITH AUTOMATIC SHUTOFF FEATURES TO PREVENT OVERTOPPING FUEL TANK.
 - SIGNAGE THAT FUEL TANKS SHOULD NOT BE "TOPPED OFF."
 - AN ADEQUATE SUPPLY OF SPILL CLEAN UP MATERIALS SHALL BE READILY ACCESSIBLE TO ALL FUELING ACTIVITIES.

MAINTENANCE - MAINTENANCE OF LARGE EQUIPMENT SHALL BE CONDUCTED WITHIN DESIGNATED MAINTENANCE YARDS IN ORDER TO ENABLE CAREFUL MANAGEMENT. DURING MINOR ROUTINE MAINTENANCE, DRIP PANS SHALL BE PLACED UNDER VEHICLES AND EQUIPMENT. ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND SHALL RECEIVE PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE.

ONLY NECESSARY MAINTENANCE REQUIRED FOR THE PROPER FUNCTIONING OF HANDHELD EQUIPMENT AND PORTABLE GENERATORS/COMPRESSORS IS ALLOWED ONSITE. DROP CLOTHES, TRAYS OR AN EQUIVALENT METHOD SHALL BE USED UNDERNEATH HANDHELD AND PORTABLE EQUIPMENT TO AVOID LEAKING FLUIDS, FUELS, OILS, OR GREASE ONTO THE GROUND. DO NOT OVERSPRAY AEROSOLS TO THE GROUND OR OTHER RAIN-EXPOSED SURFACES. CLEAN UP SPILLS IMMEDIATELY AND DISPOSE OF WASTE PROPERLY.

FUEL AND VEHICLE STORAGE - FUEL STORAGE SHALL BE CONDUCTED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND IN ACCORDANCE WITH THE BMP FOR "HAZARDOUS MATERIALS AND WASTE MANAGEMENT." VEHICLES AND EQUIPMENT SHALL BE STORED IN DESIGNATED, BERMED VEHICLE STORAGE AREAS (SUCH AS DEDICATED STORAGE AREAS OR FUELING AND MAINTENANCE AREAS) WHEN POSSIBLE, OR OFF OF PAVED AREAS TO THE EXTENT PRACTICAL, DURING LONG PERIODS (TYPICALLY MORE THAN ONE MONTH) OF STORAGE, AND WHEN OTHERWISE NECESSARY DRIP PANS SHALL BE PLACED UNDER VEHICLES AND EQUIPMENT THAT ARE PRONE TO LEAKAGE. PLASTIC TARPS SHALL BE PLACED OVER EXPOSED EQUIPMENT WHEN NOT IN USE FOR LONG PERIODS (>3 MOS.) TO PREVENT CONTACT WITH STORMWATER. ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND SHALL RECEIVE PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE.

INSPECTION AND MAINTENANCE:

- CHECK TO ENSURE ADEQUATE SUPPLY OF SPILL CLEANUP MATERIALS IS AVAILABLE.
- PERFORM ROUTINE INSPECTIONS OF DESIGNATED MAINTENANCE, CLEANING, AND FUELING AREAS.
- REPORT ALL SPILLS IMMEDIATELY TO THE PROJECT SUPERINTENDENT.
- SERVICE SUMPS REGULARLY.



EXPIRES: 06-30-24

REVISION ID:	DATE:

PROJECT NO:	M-0348-23
DRAWN:	LRS
CHECKED:	MKW
DATE:	01/12/2024



EROSION AND SEDIMENT CONTROL LEGEND:

PHASE SPECIFIC CONSTRUCTION LEGEND

- - - - - PROPERTY LINE
- - - - - EXISTING UTILITY
- - - - - EXISTING PERFORATED PIPE
- EXISTING TREE
- - - - - EXISTING GROUND CONTOUR (1 FT)
- - - - - EXISTING GROUND CONTOUR (5 FT)
- EXISTING DRAINAGE FLOW DIRECTION

EROSION AND SEDIMENT CONTROL LEGEND

- [Pattern] TEMPORARY CONSTRUCTION ENTRANCE
- [Pattern] LIMITS OF WORK (±1.00 ACRE)
- [Pattern] STRAW WATTLE
- [Pattern] TEMPORARY CONTRACTOR JOB TRAILER
- [Pattern] TEMPORARY TRASH AND RECYCLING FACILITIES
- [Pattern] TEMPORARY SANITARY FACILITY
- [Pattern] INLET PROTECTION - CATCH BASIN
- [Pattern] INLET PROTECTION - CURB INLET
- [Pattern] EXISTING DRAINAGE FLOW DIRECTION
- [Pattern] TEMPORARY CONTRACTOR FENCING

PHASE CONSTRUCTION NOTES:

1. EXISTING BUILDING.
2. EXISTING CONCRETE CURB.
3. EXISTING ASPHALT OR CONCRETE PAVEMENT TO REMAIN.
4. EXISTING NATURAL GRASS FIELD TO REMAIN.
5. EXISTING GRAVEL INFILTRATION TRENCH WITH PERFORATED DRAIN TO REMAIN.
6. EXISTING BURIED UTILITY TO REMAIN, TYPE VARIES.
7. EXISTING STORM DRAIN PIPE TO REMAIN.
8. EXISTING SUBSURFACE STORMWATER DETENTION SYSTEM TO REMAIN.
9. EXISTING STORMWATER CATCH BASIN OR AREA DRAIN TO REMAIN.

EROSION CONTROL NOTES:

GENERAL EROSION CONTROL NOTES:

ALL EROSION AND SEDIMENT CONTROL MEASURES AT STORMWATER INLETS/OUTLETS SHALL REMAIN IN PLACE UNTIL ALL PHASES OF CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND PERMANENT COVER IS ESTABLISHED.

ALL NEW STORM DRAIN SYSTEM INLETS SHALL HAVE INLET PROTECTION INSTALLED PER ODOT STANDARD DRAWING RD1010 AFTER INSTALLATION AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND ASPHALT/CONCRETE/LANDSCAPING HAS BEEN INSTALLED.

THESE REQUIREMENTS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS REQUIRED TO FACILITATE CONSTRUCTION. ALL COSTS FOR EROSION CONTROL MEASURES SHALL BE BORN BY THE CONTRACTOR.

THIS PLAN HAS BEEN PREPARED TO ADDRESS THE OVERALL PRIMARY EROSION CONTROL MEASURES THAT MUST BE IMPLEMENTED FOR CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST SPECIFIC EROSION CONTROL MEASURES TO ACCOMMODATE FOR ADDITIONAL PHASED CONSTRUCTION. ANY MODIFICATIONS TO THIS PLAN SHALL BE SUBMITTED TO RVSS FOR APPROVAL.

EROSION AND SEDIMENT CONTROL NOTES:

1. CONTRACTOR LAYDOWN INCLUDING JOB TRAILER, PARKING, TRASH & RECYCLING, PORTABLE RESTROOMS, AND TEMPORARY CONTRACTOR FENCING.
2. FURNISH AND MAINTAIN CONSTRUCTION ENTRY PER ODOT RD1000.
3. FURNISH AND MAINTAIN "TYPE 3" OR "TYPE 7" (AS APPLICABLE) INLET PROTECTION PER ODOT RD1010 AT ALL ON AND OFF-SITE CATCH BASINS AND CURB INLETS WITHIN 200' OF PROJECT AREA AND CONSTRUCTION TRAFFIC PATH.
4. FURNISH AND MAINTAIN "TYPE 8" STRAW WATTLE SEDIMENT BARRIER PER ODOT RD1032.



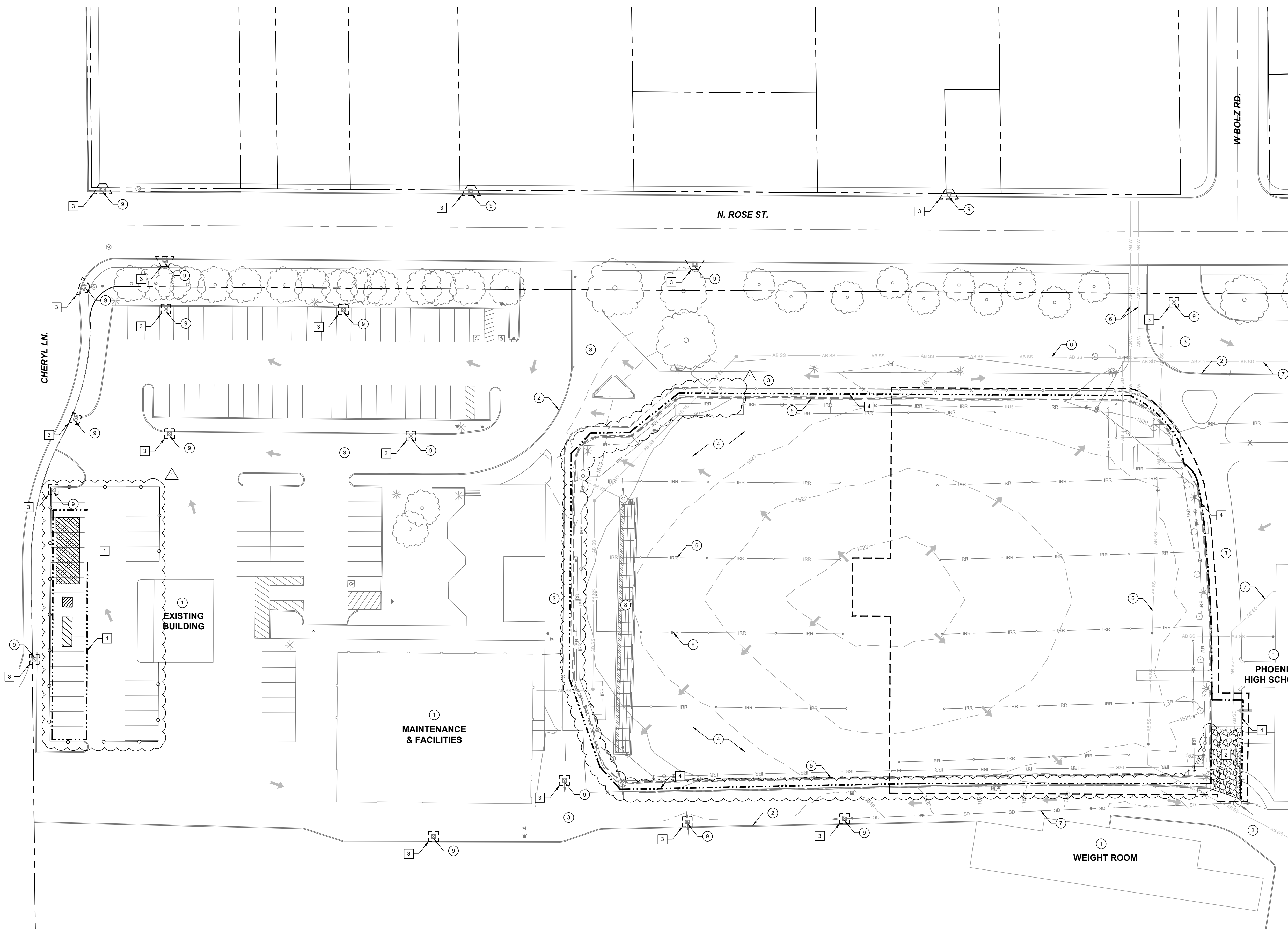
REVISION ID:	DATE:
RVSS #1	03-29-24

PROJECT NO.:	M-0348-23
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EXISTING
CONDITIONS AND
MOBILIZATION ESC
PLAN

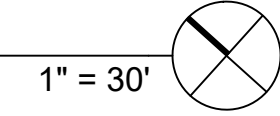
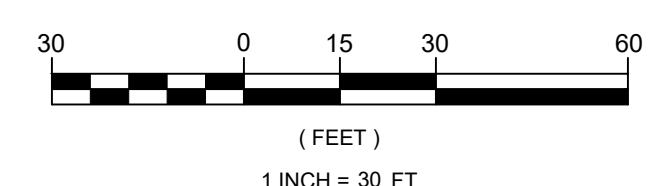
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BID & PERMIT SET



1 EXISTING CONDITIONS AND MOBILIZATION ESC PLAN

ONE INCH EQUALS FULL SCALE





EROSION AND SEDIMENT CONTROL LEGEND:

PHASE SPECIFIC CONSTRUCTION LEGEND

- ASPHALT PAVEMENT TO BE REMOVED
- CONCRETE PAVEMENT TO BE REMOVED
- GRAVEL PAVEMENT TO BE REMOVED
- APPROXIMATE LIMITS OF CLEARING AND GRUBBING
- EXISTING UTILITY TO REMAIN
- EXISTING UTILITY TO BE REMOVED
- EXISTING TREE TO REMAIN
- EXISTING TREE TO REMAIN
- EXISTING GROUND CONTOUR (1 FT)
- EXISTING GROUND CONTOUR (5 FT)

EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY MATERIAL STOCKPILE
- LIMITS OF WORK (±1.00 ACRE)
- STRAW WATTLE
- TEMPORARY CONTRACTOR JOB TRAILER
- TEMPORARY TRASH AND RECYCLING FACILITIES
- TEMPORARY SANITARY FACILITY
- INLET PROTECTION - CATCH BASIN
- INLET PROTECTION - CURB INLET
- EXISTING DRAINAGE FLOW DIRECTION
- TEMPORARY CONTRACTOR FENCING

PHASE CONSTRUCTION NOTES:

1. EXISTING BUILDING.
2. EXISTING CONCRETE CURB.
3. EXISTING ASPHALT OR CONCRETE PAVEMENT TO REMAIN.
4. EXISTING NATURAL GRASS FIELD TO REMAIN.
5. EXISTING GRAVEL INFILTRATION TRENCH WITH PERFORATED DRAIN TO REMAIN.
6. EXISTING BURIED UTILITY TO REMAIN, TYPE VARIES.
7. EXISTING STORM DRAIN PIPE TO REMAIN.
8. EXISTING SUBSURFACE STORMWATER DETENTION SYSTEM TO REMAIN.
9. EXISTING STORMWATER CATCH BASIN OR AREA DRAIN TO REMAIN.
10. NATURAL TURF FIELD TO BE CLEARED AND GRUBBED.
11. ASPHALT/CONCRETE PAVEMENT TO BE REMOVED.
12. GRAVEL TRENCH AND PERFORATED DRAIN TO BE REMOVED.
13. IRRIGATION LINES TO BE REMOVED.
14. TREES TO BE REMOVED.
15. PEDESTRIAN LIGHT TO BE RELOCATED.

EROSION CONTROL NOTES:

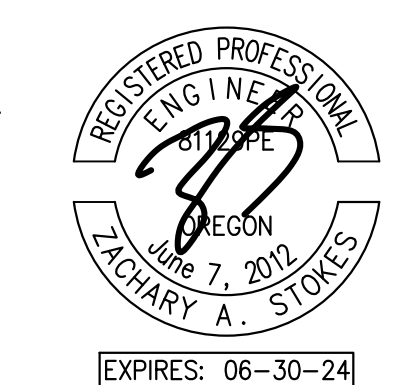
ALL EROSION AND SEDIMENT CONTROL MEASURES AT STORMWATER INLETS/OUTLETS SHALL REMAIN IN PLACE UNTIL ALL PHASES OF CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND PERMANENT COVER IS ESTABLISHED.

THESE REQUIREMENTS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS REQUIRED TO FACILITATE CONSTRUCTION. ALL COSTS FOR EROSION CONTROL MEASURES SHALL BE BORN BY THE CONTRACTOR.

THIS PLAN HAS BEEN PREPARED TO ADDRESS THE OVERALL PRIMARY EROSION CONTROL MEASURES THAT MUST BE IMPLEMENTED FOR CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST SPECIFIC EROSION CONTROL MEASURES TO ACCOMMODATE FOR ADDITIONAL PHASED CONSTRUCTION. ANY MODIFICATIONS TO THIS PLAN SHALL BE SUBMITTED TO RVSS FOR APPROVAL.

EROSION AND SEDIMENT CONTROL NOTES:

1. CONTRACTOR LAYDOWN INCLUDING JOB TRAILER, PARKING, TRASH & RECYCLING, PORTABLE RESTROOMS, AND TEMPORARY CONTRACTOR FENCING.
2. FURNISH AND MAINTAIN CONSTRUCTION ENTRY PER ODOT RD1000.
3. FURNISH AND MAINTAIN 'TYPE 3' OR 'TYPE 7' (AS APPLICABLE) INLET PROTECTION PER ODOT RD1010 AT ALL ON AND OFF-SITE CATCH BASINS AND CURB INLETS WITHIN 200' OF PROJECT AREA AND CONSTRUCTION TRAFFIC PATH.
4. FURNISH AND MAINTAIN 'TYPE 8' STRAW WATTLE SEDIMENT BARRIER PER ODOT RD1032.
5. APPROXIMATE LOCATION OF MATERIAL STORAGE/STOCKPILE. FURNISH AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AT ALL MATERIAL AND SPOILS STOCKPILES. COVER PILES WITH HEAVY PLASTIC SHEETS; OVERLAP SHEETS AND STAKE PER ODOT DET6001. PROVIDE SEDIMENT BARRIER AT EXTERIOR LIMITS OF STOCKPILE.



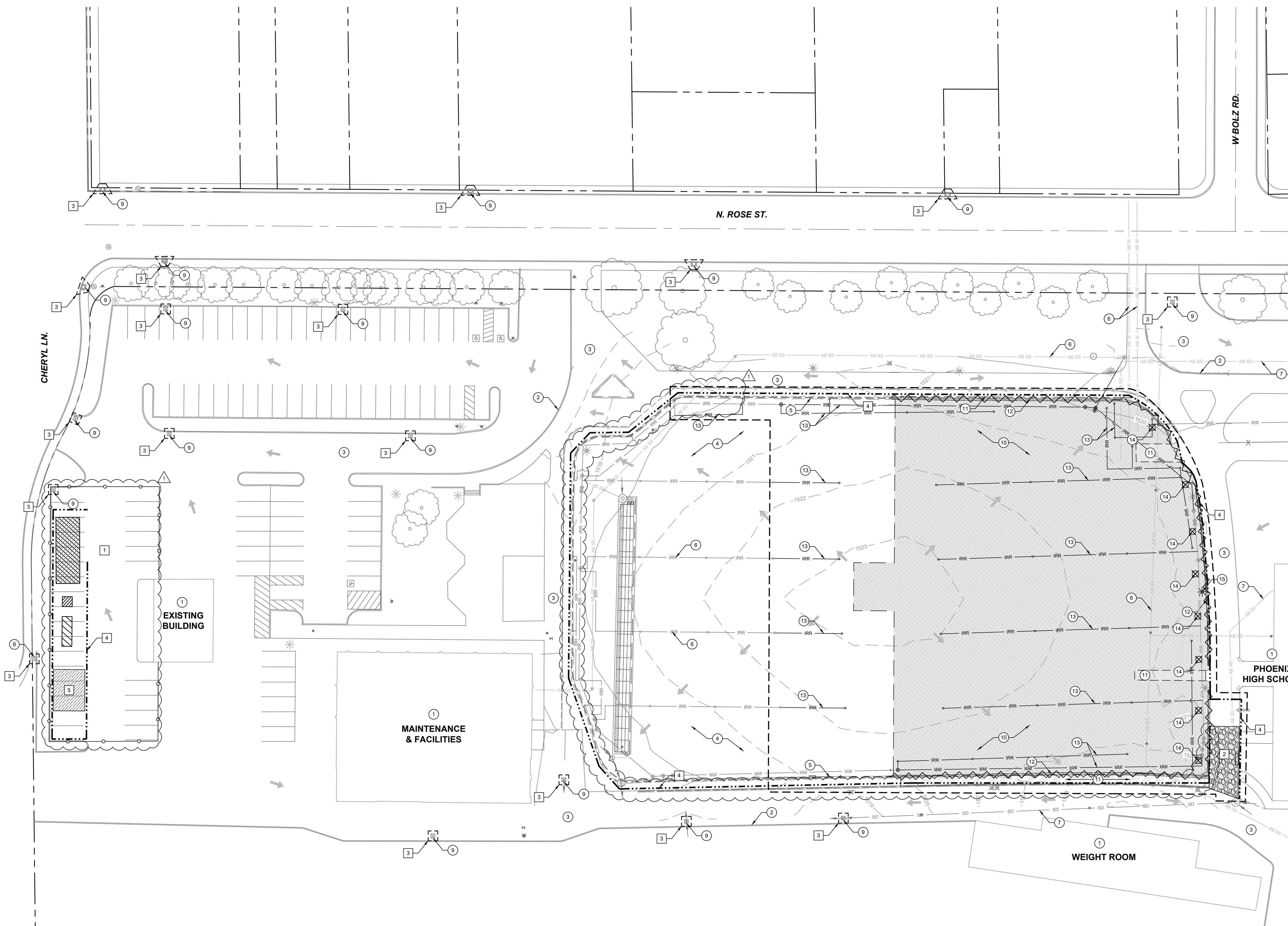
REVISION ID:	DATE:
RVSS #1	03-29-24

PROJECT NO.:	M-0348-23
DRAWN:	LR
CHECKED:	MKW
DATE:	01/12/2024

DEMOLITION AND
CLEARING ESC PLAN

C5.11

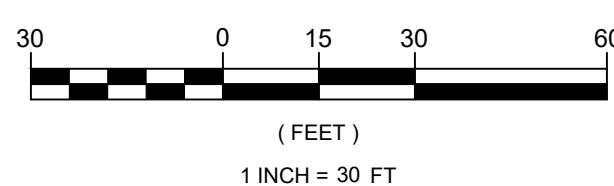
BID & PERMIT SET



1 DEMOLITION AND CLEARING ESC PLAN

C5.11

ONE INCH EQUALS FULL SCALE



1" = 30'



EROSION AND SEDIMENT CONTROL LEGEND:

PHASE SPECIFIC CONSTRUCTION LEGEND

- LIMITS OF MASS GRADING
- NEW STORM SEWER
- NEW IRRIGATION
- EXISTING GROUND CONTOUR (1 FT)
- EXISTING GROUND CONTOUR (5 FT)
- NEW GROUND CONTOUR (1 FT)
- NEW GROUND CONTOUR (5 FT)

EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY MATERIAL STOCKPILE
- LIMITS OF WORK (±1.00 ACRE)
- STRAW WATTLE
- TEMPORARY CONTRACTOR JOB TRAILER
- TEMPORARY TRASH AND RECYCLING FACILITIES
- TEMPORARY SANITARY FACILITY
- INLET PROTECTION - CATCH BASIN
- INLET PROTECTION - CURB INLET
- EXISTING DRAINAGE FLOW DIRECTION
- NEW DRAINAGE FLOW DIRECTION
- TEMPORARY CONTRACTOR FENCING

PHASE CONSTRUCTION NOTES:

1. EXISTING BUILDING.
2. EXISTING CONCRETE CURB.
3. EXISTING ASPHALT OR CONCRETE PAVEMENT TO REMAIN.
4. EXISTING NATURAL GRASS FIELD TO REMAIN.
5. EXISTING GRAVEL INFILTRATION TRENCH WITH PERFORATED DRAIN TO REMAIN.
6. EXISTING BURIED UTILITY TO REMAIN, TYPE VARIES.
7. EXISTING STORM DRAIN PIPE TO REMAIN.
8. EXISTING SUBSURFACE STORMWATER DETENTION SYSTEM TO REMAIN.
9. EXISTING STORMWATER CATCH BASIN OR AREA DRAIN TO REMAIN.
10. LIMITS OF EARTHWORK AND SITE GRADING.
11. NEW DRAINAGE SWALE.
12. NEW BURIED UTILITY ROUTING.

EROSION CONTROL NOTES:

GENERAL EROSION CONTROL NOTES:

ALL EROSION AND SEDIMENT CONTROL MEASURES AT STORMWATER INLETS/OUTLETS SHALL REMAIN IN PLACE UNTIL ALL PHASES OF CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND PERMANENT COVER IS ESTABLISHED.

THESE REQUIREMENTS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS REQUIRED TO FACILITATE CONSTRUCTION. ALL COSTS FOR EROSION CONTROL MEASURES SHALL BE BORN BY THE CONTRACTOR.

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EROSION AND SEDIMENT CONTROL NOTES:

1. CONTRACTOR LAYDOWN INCLUDING JOB TRAILER, PARKING, TRASH & RECYCLING, PORTABLE RESTROOMS, AND TEMPORARY CONTRACTOR FENCING.
2. FURNISH AND MAINTAIN CONSTRUCTION ENTRY PER ODOT RD1000.
3. FURNISH AND MAINTAIN 'TYPE 3' OR 'TYPE 7' (AS APPLICABLE) INLET PROTECTION PER ODOT RD1010 AT ALL ON AND OFF-SITE CATCH BASINS AND CURB INLETS WITHIN 200' OF PROJECT AREA AND CONSTRUCTION TRAFFIC PATH.
4. FURNISH AND MAINTAIN 'TYPE 8' STRAW WATTLE SEDIMENT BARRIER PER ODOT RD1032.
5. APPROXIMATE LOCATION OF MATERIAL STORAGE/STOCKPILE. FURNISH AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES AT ALL MATERIAL AND SPOILS STOCKPILES. COVER PILES WITH HEAVY PLASTIC SHEETS, OVERLAP SHEETS AND STAKE PER ODOT DET6001. PROVIDE SEDIMENT BARRIER AT EXTERIOR LIMITS OF STOCKPILE.



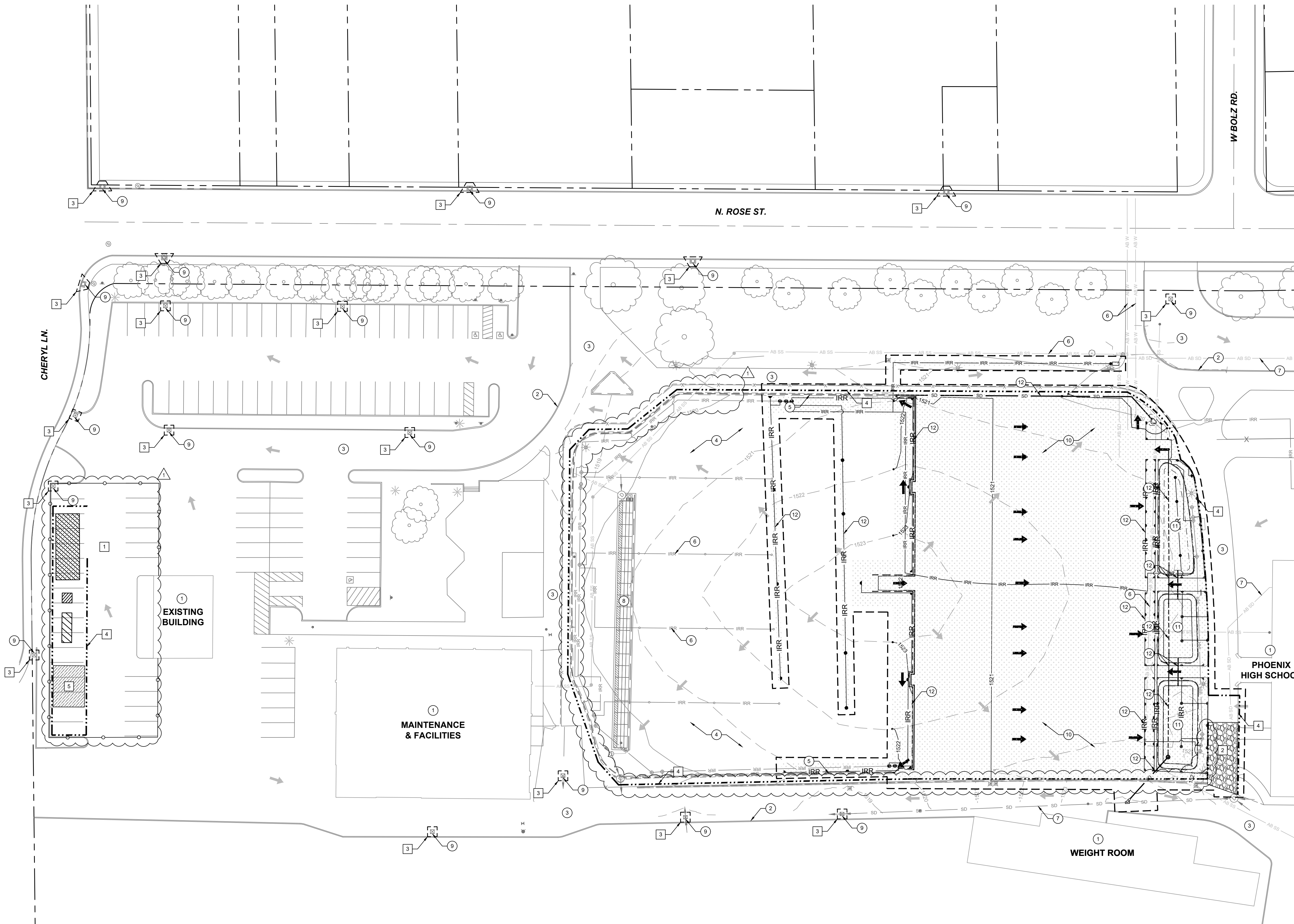
REVISION ID:	DATE:
RVSS #1	03-29-24

PROJECT NO:	M-0348-23
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DATE:	01/12/2024

MASS GRADING AND
UTILITY INSTALLATION
ESC PLAN

C5.12

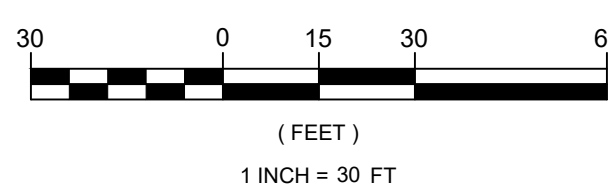
BID & PERMIT SET



1 MASS GRADING AND UTILITY INSTALLATION ESC PLAN

C5.12

ONE INCH EQUALS FULL SCALE



1" = 30'



EROSION AND SEDIMENT CONTROL LEGEND:

PHASE SPECIFIC CONSTRUCTION LEGEND

- NEW CONCRETE PAVING - REINFORCED
- NEW CONCRETE PAVING - UN-REINFORCED
- NEW GRAVEL PAVING
- NEW ASPHALT PAVING - STANDARD DUTY
- NEW TENNIS COURT SURFACING
- EXISTING GROUND CONTOUR (1 FT)
- EXISTING GROUND CONTOUR (5 FT)
- NEW GROUND CONTOUR (1 FT)
- NEW GROUND CONTOUR (5 FT)

EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY CONSTRUCTION ENTRANCE
- TEMPORARY MATERIAL STOCKPILE
- LIMITS OF WORK (±1.00 ACRE)
- STRAW WATTLE
- TEMPORARY CONTRACTOR JOB TRAILER
- TEMPORARY TRASH AND RECYCLING FACILITIES
- TEMPORARY SANITARY FACILITY
- CONCRETE WASH PIT
- INLET PROTECTION - CATCH BASIN
- INLET PROTECTION - CURB INLET
- EXISTING DRAINAGE FLOW DIRECTION
- NEW DRAINAGE FLOW DIRECTION
- TEMPORARY CONTRACTOR FENCING

PHASE CONSTRUCTION NOTES:

1. EXISTING BUILDING.
2. EXISTING CONCRETE CURB.
3. EXISTING ASPHALT OR CONCRETE PAVEMENT TO REMAIN.
4. EXISTING NATURAL GRASS FIELD TO REMAIN.
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6. EXISTING BURIED UTILITY TO REMAIN, TYPE VARIES.
7. EXISTING STORM DRAIN PIPE TO REMAIN.
8. EXISTING SUBSURFACE STORMWATER DETENTION SYSTEM TO REMAIN.
9. EXISTING STORMWATER CATCH BASIN OR AREA DRAIN TO REMAIN.
11. NEW ASPHALT PAVEMENT.
12. NEW CONCRETE PAVEMENT.
13. NEW CONCRETE RAMP.
14. NEW SEGMENTAL RETAINING WALL.
15. NEW FENCE IN CONCRETE CURB.
16. NEW CONCRETE MOW STRIP.

EROSION CONTROL NOTES:

GENERAL EROSION CONTROL NOTES:

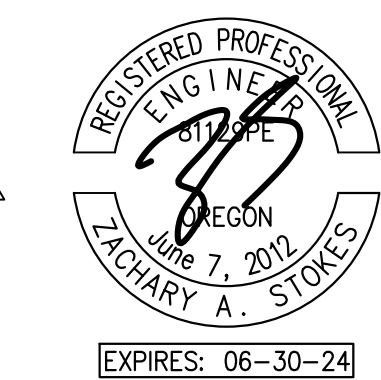
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EROSION AND SEDIMENT CONTROL NOTES:

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4. FURNISH AND MAINTAIN TYPE 8' STRAW WATTLE SEDIMENT BARRIER PER ODOT RD1032.
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6. FURNISH AND MAINTAIN CONCRETE TRUCK WASHOUT PER ODOT RD1070.



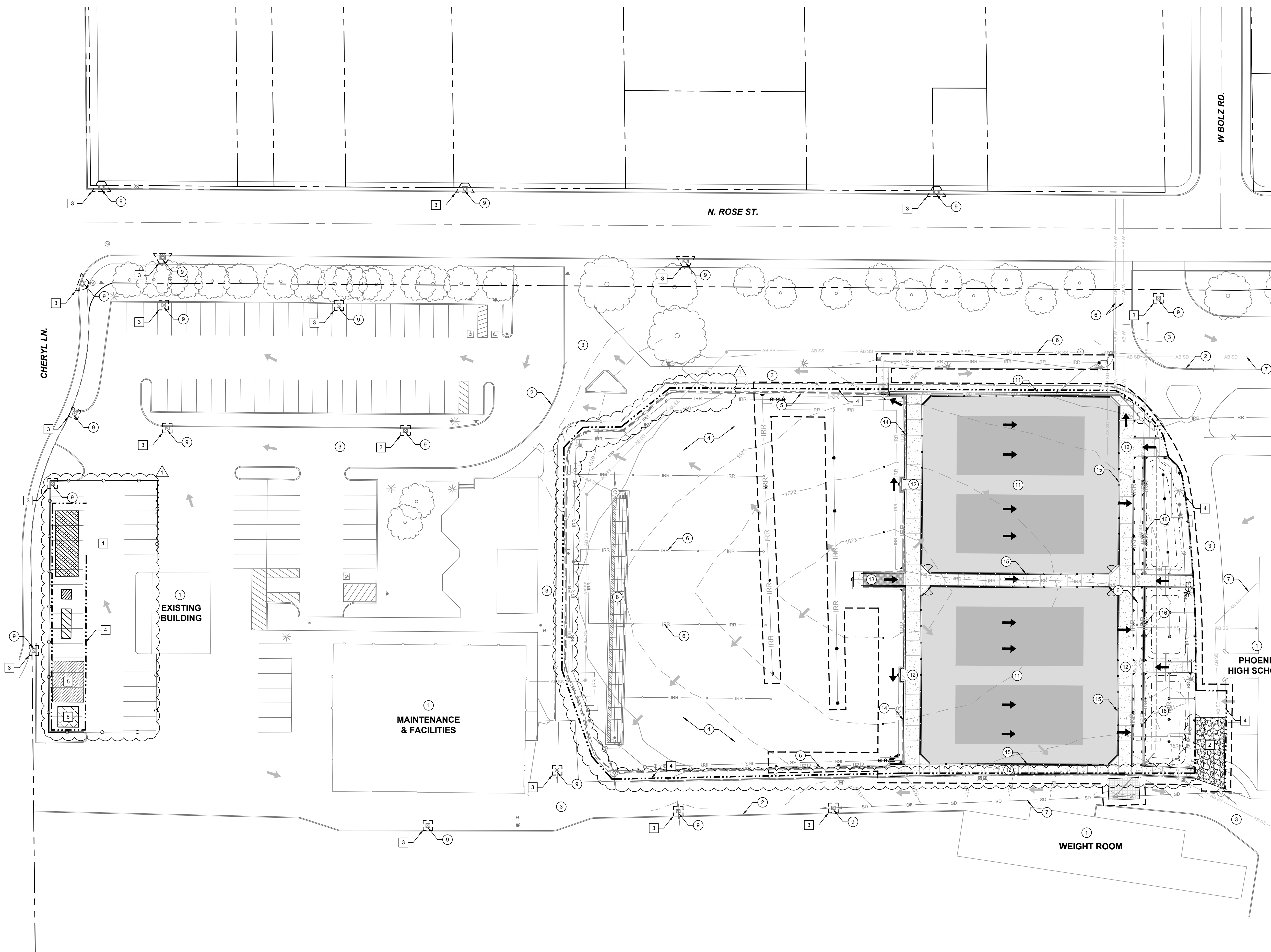
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RVSS #1	03-29-24

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CHECKED:	MKW
DATE:	01/12/2024

PAVING ESC PLAN

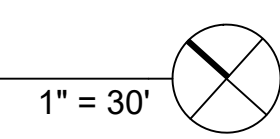
C5.13

BID & PERMIT SET



1 PAVING ESC PLAN
C5.13

ONE INCH EQUALS FULL SCALE





EROSION AND SEDIMENT CONTROL LEGEND:

PHASE SPECIFIC CONSTRUCTION LEGEND

- LANDSCAPING REPAIR
- ▨ PERMANENT STORM FACILITY LANDSCAPING
- 1521— EXISTING GROUND CONTOUR (1 FT)
- 1520— EXISTING GROUND CONTOUR (5 FT)
- 1521-• NEW GROUND CONTOUR (1 FT)
- 1520-• NEW GROUND CONTOUR (5 FT)

EROSION AND SEDIMENT CONTROL LEGEND

- ▨ TEMPORARY MATERIAL STOCKPILE
- - - LIMITS OF WORK (±1.00 ACRE)
- ▨ STRAW WATTLE
- ▨ TEMPORARY CONTRACTOR JOB TRAILER
- ▨ TEMPORARY TRASH AND RECYCLING FACILITIES
- ▨ TEMPORARY SANITARY FACILITY
- ▨ INLET PROTECTION - CATCH BASIN
- ▨ INLET PROTECTION - CURB INLET
- ▨ EXISTING DRAINAGE FLOW DIRECTION
- ▨ NEW DRAINAGE FLOW DIRECTION
- ▨ TEMPORARY CONTRACTOR FENCING

PHASE CONSTRUCTION NOTES:

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2. EXISTING CONCRETE CURB.
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4. EXISTING NATURAL GRASS FIELD TO REMAIN.
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6. EXISTING BURIED UTILITY TO REMAIN. TYPE VARIES.
7. EXISTING STORM DRAIN PIPE TO REMAIN.
8. EXISTING SUBSURFACE STORMWATER DETENTION SYSTEM TO REMAIN.
9. EXISTING STORMWATER CATCH BASIN OR AREA DRAIN TO REMAIN.
10. NEW STORMWATER RAIN GARDEN.
11. NEW LAWN REPAIR.

EROSION CONTROL NOTES:

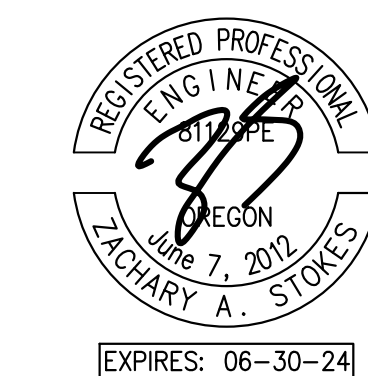
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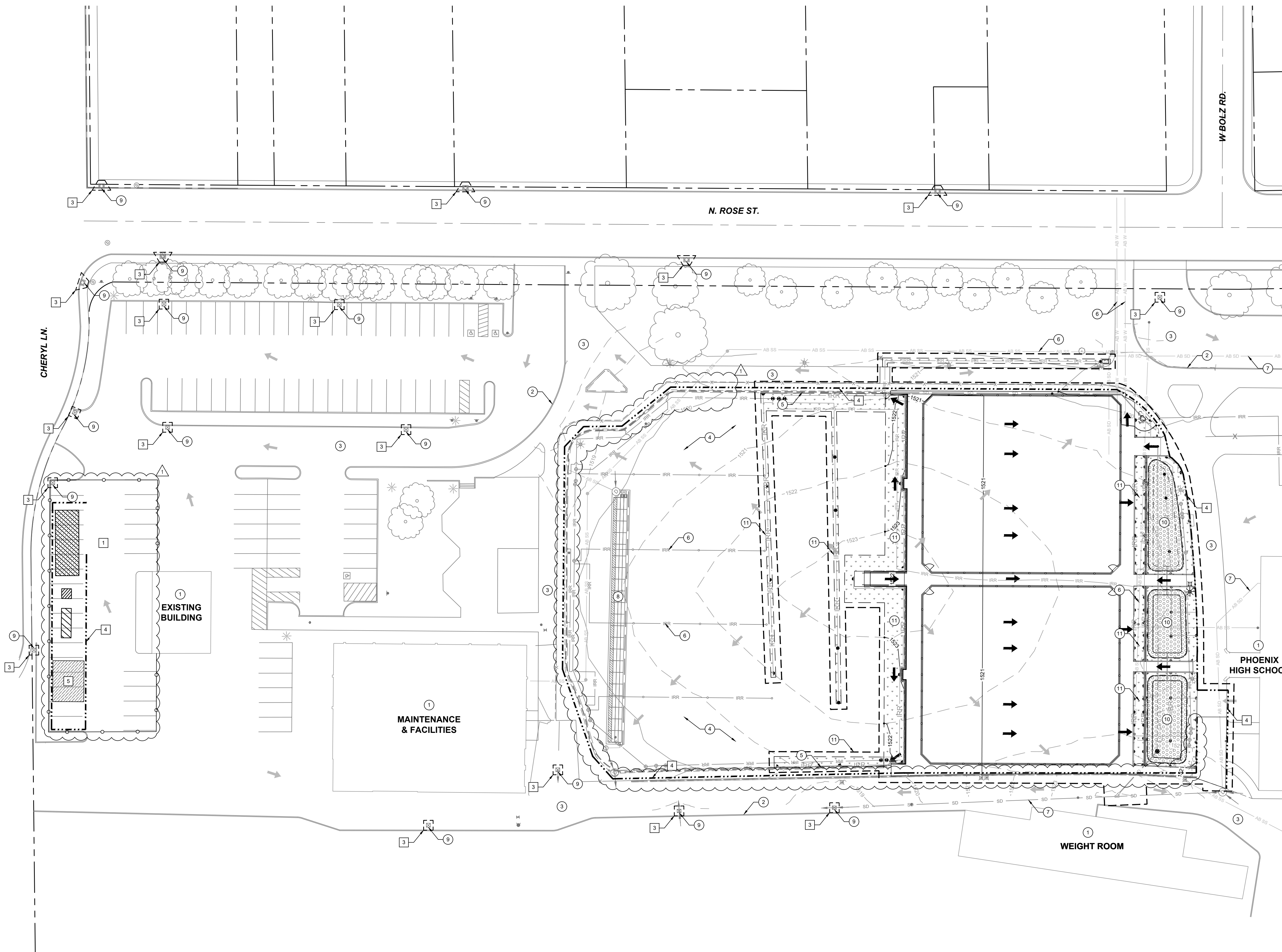
REVISION ID:	DATE:
RVSS #1	03-29-24

PROJECT NO.:	M-0348-23
DRAWN:	LRS
CHECKED:	MKW
DATE:	01/12/2024

LANDSCAPING AND
FINAL SITE
STABILIZATION ESC
PLAN

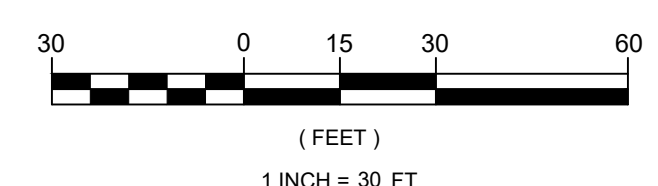
C5.14

BID & PERMIT SET



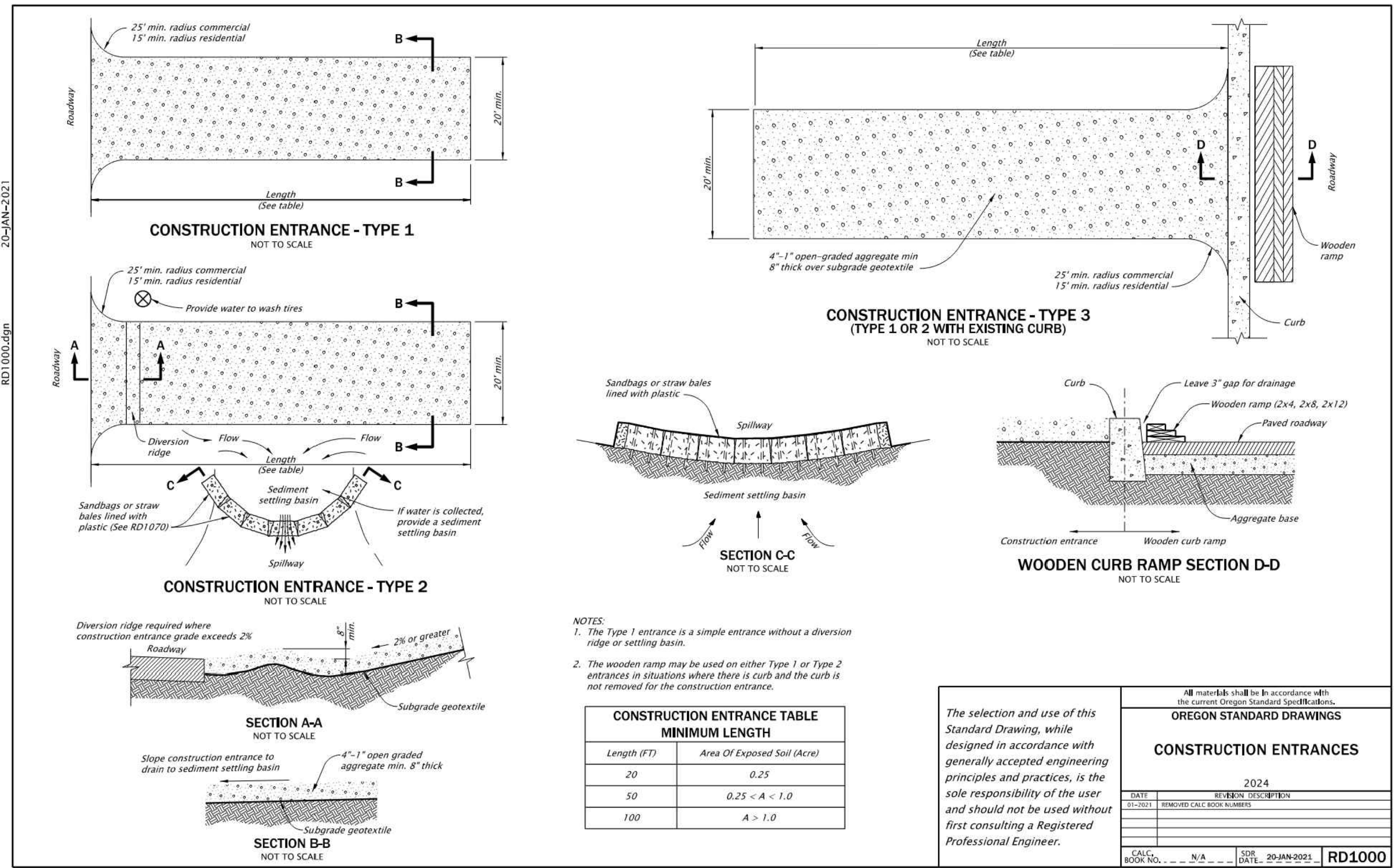
1 LANDSCAPING AND FINAL SITE STABILIZATION ESC PLAN

C5.14

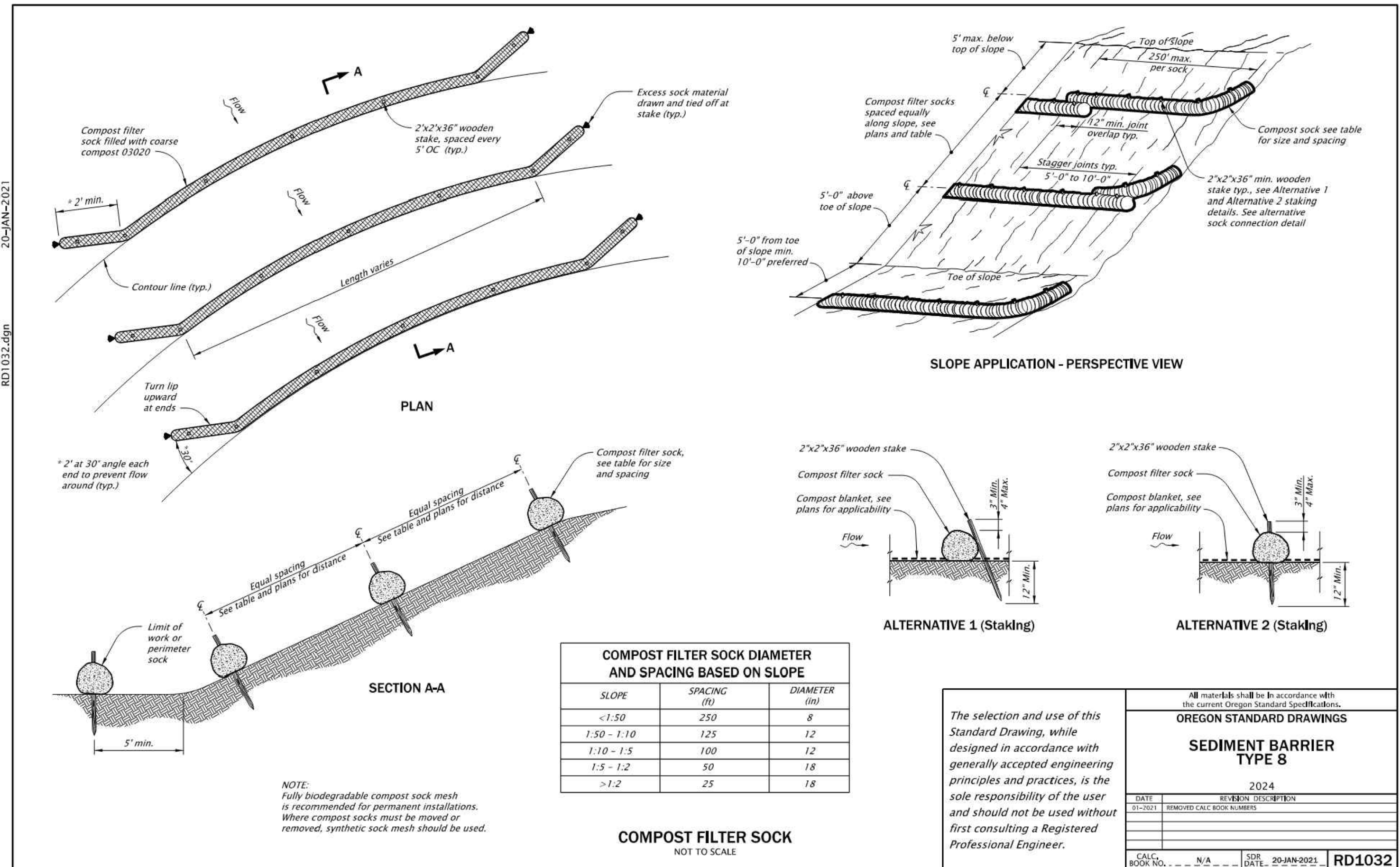


1" = 30'

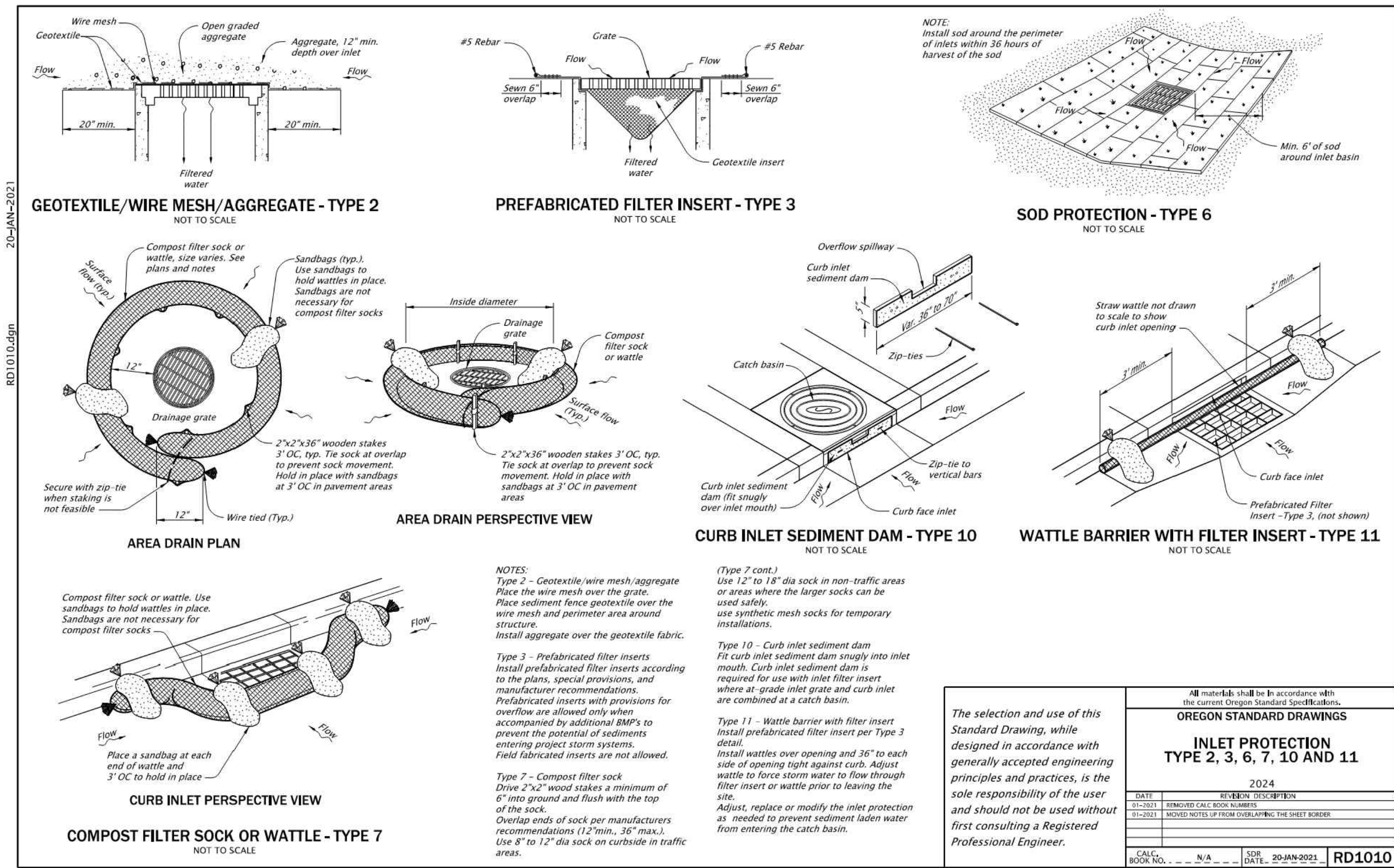
ONE INCH EQUALS FULL SCALE



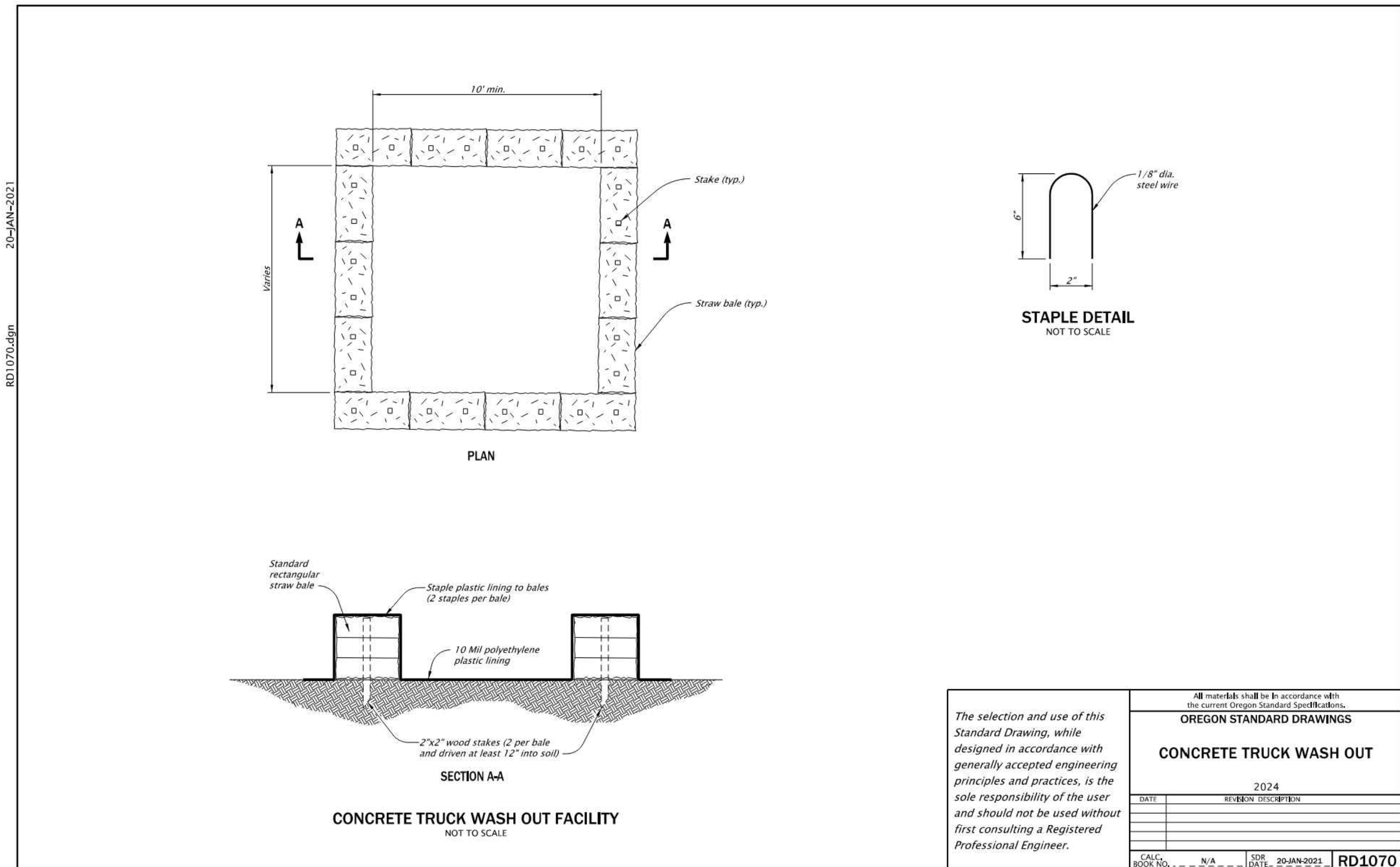
Effective Date: December 1, 2023 – May 31, 2024



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Effective Date: December 1, 2023 – May 31, 2024

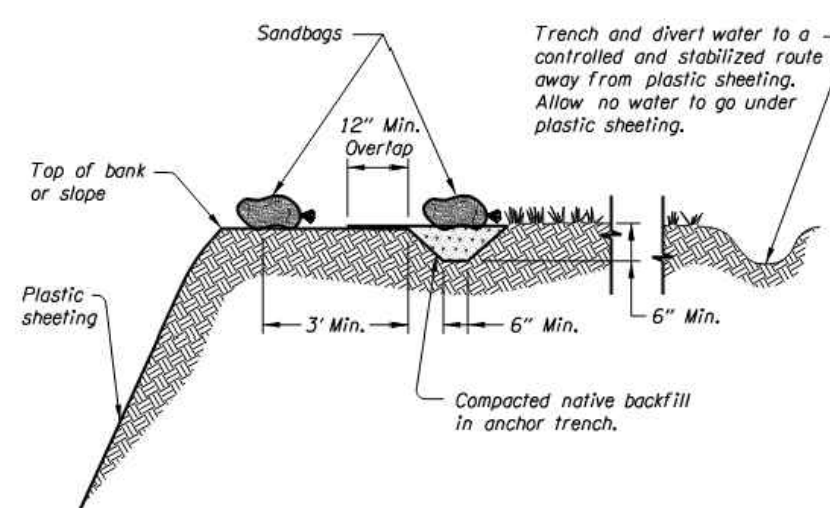


Effective Date: December 1, 2023 – May 31, 2024

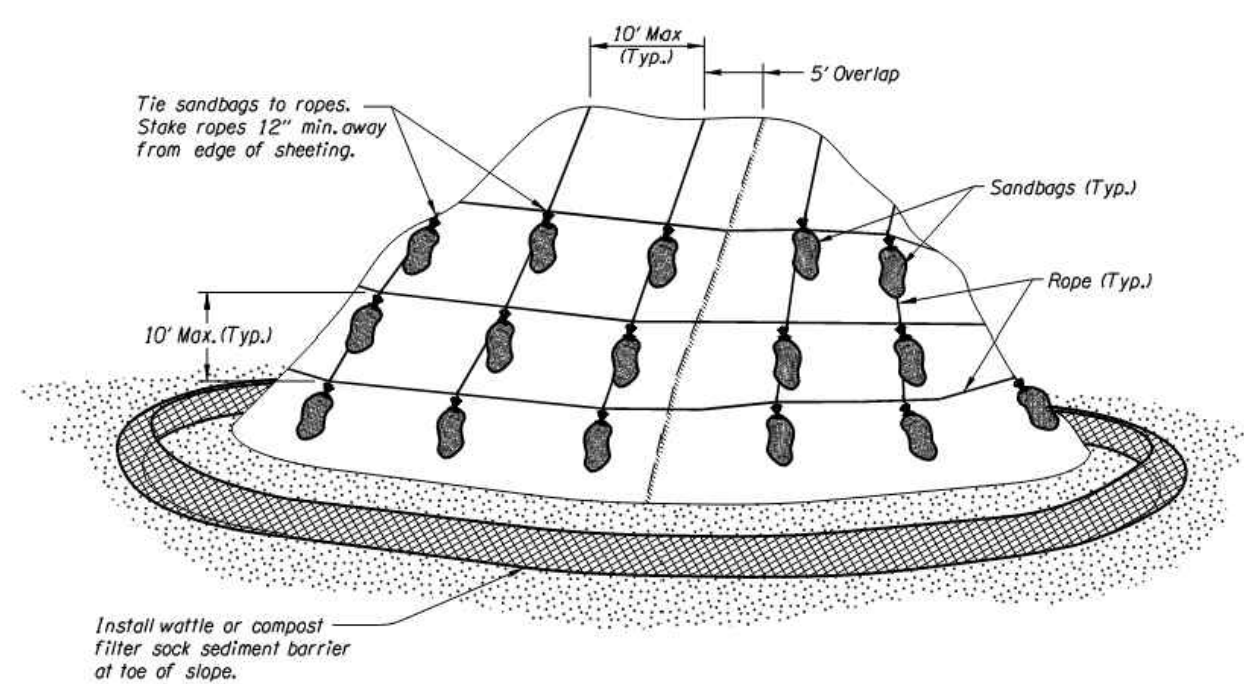


01-Jun-2015

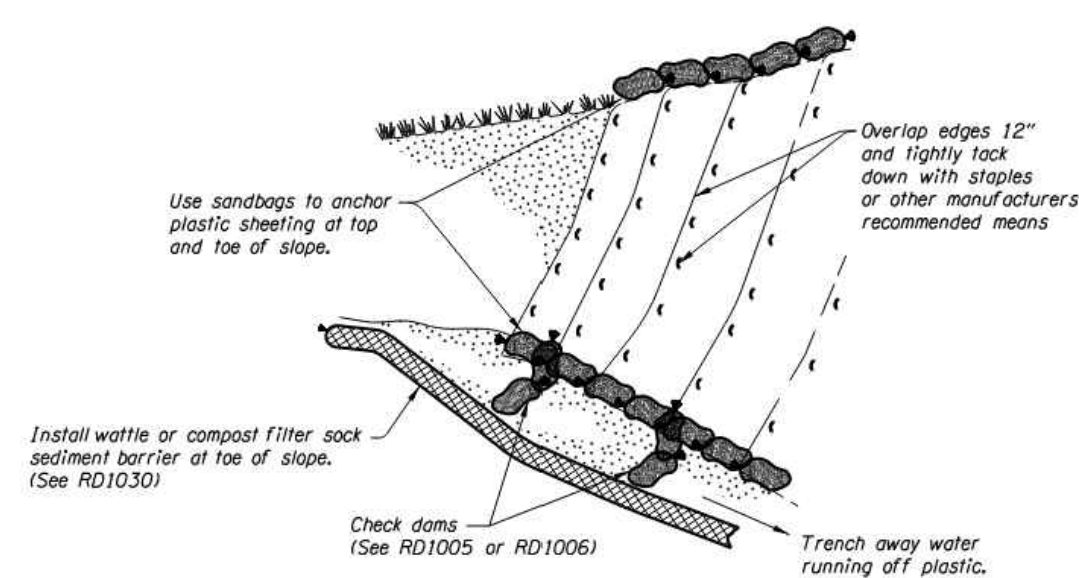
DET6001



TOP OF SLOPE TIE DOWN



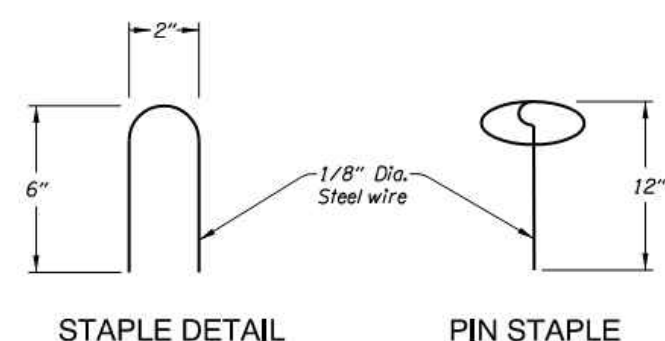
STOCKPILE



SLOPES

NOTES:

1. Install plastic sheeting vertically down slope.
2. Install plastic sheeting so edges overlap and are stunged away from prevailing winds.



STAPLE DETAIL

PIN STAPLE

<p>The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.</p>		<p>OREGON DEPARTMENT OF TRANSPORTATION TECHNICAL SERVICES DETAILS</p>
<p>PLASTIC SHEETING</p>	<p>DETAIL NO. DET6001</p>	

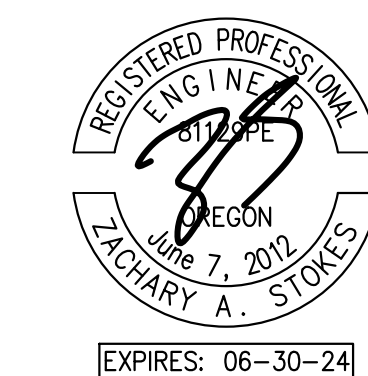
ONE INCH EQUALS FULL SCALE



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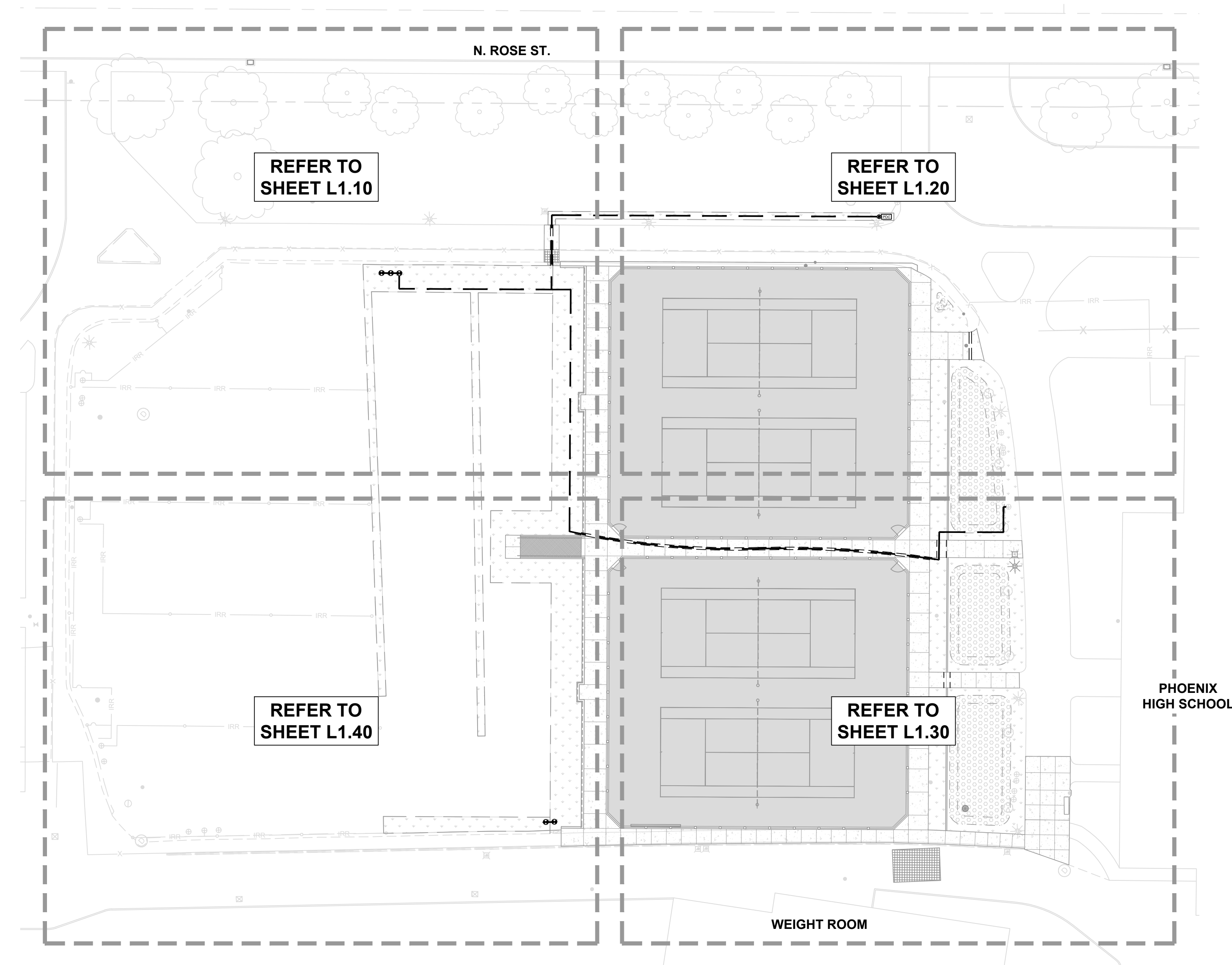
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DRAWN: LRS
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DATE: 01/12/2024

ESC DETAILS

C5.21

BID & PERMIT SET



IRRIGATION LEGEND

SYMBOL	RADIUS	NOZZLE	GPM	PSI	MODEL
	10'-14'	MP1000-90	0.21	40	HUNTER PROS-12-PRS40-CV W/ HUNTER MP ROTATOR NOZZLE INDICATED
	10'-14'	MP1000-180	0.42	40	"
	10'-14'	MP1000-360	0.84	40	"
	16'-19'	MP2000-90	0.43	40	"
	16'-19'	MP2000-120	0.77	40	"
	16'-19'	MP2000-180	0.77	40	"
	16'-19'	MP2000-360	1.48	40	"
	7'	MP800SR-90	0.15	30	HUNTER PROS-06-PRS30-CV W/ HUNTER MP ROTATOR NOZZLE INDICATED
	7'	MP800SR-120	0.22	30	"
	7'	MP800SR-180	0.29	30	"
	7'	MP800SR-360	0.52	30	"
	49'	08 - DARK GREEN	8.4	60	RAINBIRD 8005 RAINCURTAIN W/ NOZZLE INDICATED
	49'	08 - DARK GREEN	8.4	60	"
	39'	04 - BLACK	3.8	60	"
NOTE: ALL SPRINKLERS SHALL BE BOTTOM INLET ONLY					

SYMBOL	DESCRIPTION
	HUNTER ICV SERIES CONTROL VALVE
	MAIN LINE ISOLATION VALVE, AS SPECIFIED
	MAIN LINE, SCH 40 PVC (2" DIA. UNLESS NOTED OTHERWISE)
	LATERAL LINE, SCH 40 PVC
	SLEEVE, SCH 40 PVC, MIN. 6" DIA. UNLESS OTHERWISE NOTED. COORDINATE WITH GENERAL CONTRACTOR.
	POINT OF CONNECTION: EXISTING 2" SCH 40 PVC MAIN LINE.

IRRIGATION GENERAL NOTES

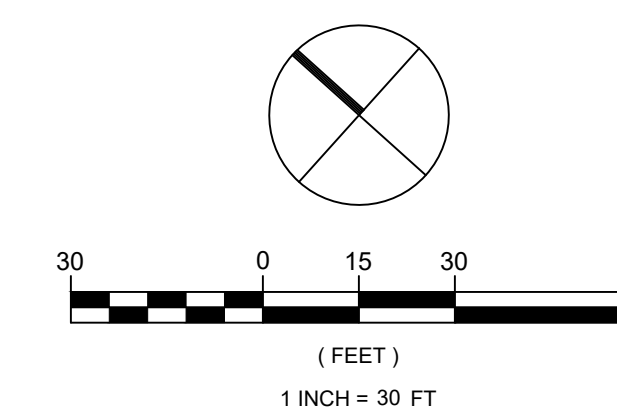
- A. THE LANDSCAPE CONTRACTOR SHALL INSPECT THE SITE AND VERIFY CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION.
- B. INSTALL IRRIGATION SYSTEM TO COMPLY WITH THE CODES AND ORDINANCES OF ALL JURISDICTIONAL AGENCIES.
- C. IRRIGATION PLANS ARE SCHEMATIC. PLACE IRRIGATION LINES IN COMMON TRENCH WHENEVER POSSIBLE. FIELD ADJUST LINES TO AVOID CONFLICT WITH UTILITIES.
- D. VERIFY BACKFLOW PREVENTION DEVICE IS OPERATIONAL AND HAS BEEN APPROVED BY THE APPROPRIATE AUTHORITY.
- E. ALL COMPONENTS OF IRRIGATION SYSTEM SHALL BE INSTALLED AND ADJUSTED TO PROVIDE COMPLETE COVERAGE. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE WORKING SYSTEM.
- F. VERIFY MINIMUM STATIC WATER PRESSURE OF 70 PSI AT POINT OF CONNECTION TO EXISTING IRRIGATION WATER LINE. NOTIFY THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE IF ACTUAL FIELD DATA DIFFERS FROM THIS INFORMATION.
- G. SYSTEM IS DESIGNED TO OPERATE WITH A MINIMUM OF 50 PSI AT THE FURTHEST HEAD FROM THE POINT OF CONNECTION. HEAD LAYOUT AND ZONES ARE BASED ON THIS DATA, AND SPECIFICATIONS SHOWN IN THE IRRIGATION LEGEND. NOTIFY THE LANDSCAPE ARCHITECT AND OWNER IF ACTUAL FIELD DATA DIFFERS FROM THIS INFORMATION.
- H. IRRIGATION LATERALS ARE SIZED STARTING AT VALVE AND CONTINUING IN DIRECTION OF FLOW. REDUCTIONS IN PIPE SIZE ARE LABELED BEGINNING DOWNSTREAM OF NEAREST FITTING. ALL LATERALS NOT SIZED ARE MINIMUM 1 INCH OR SAME SIZE AS NEAREST ADJACENT PIPE.
- I. VALVE KEY

GPM	23.0
ZONE NUMBER	7
VALVE SIZE	1"
- J. INSTALL ALL IRRIGATION PIPE IN PVC SLEEVES BELOW ALL PAVED SURFACES AS SPECIFIED IN SECTION 32 84 24, IRRIGATION.
- K. CONTRACTOR SHALL TEST OPERATION OF EXISTING IRRIGATION SYSTEM PRIOR TO BEGINNING CONSTRUCTION AND REPORT ANY DEFICIENCIES TO THE LANDSCAPE ARCHITECT. FOLLOWING CONSTRUCTION, CONTRACTOR SHALL ENSURE EXISTING SYSTEMS IMPACTED BY CONSTRUCTION OPERATE PROPERLY. THESE IMPACTED SYSTEMS SHALL BE TESTED IN THE PRESENCE OF THE LANDSCAPE ARCHITECT AS PART OF THE SPECIFIED COVERAGE TEST.

ONE INCH EQUALS FULL SCALE

1 OVERALL IRRIGATION SITE KEY

1"=30'



EXPIRES: 12/31/2024

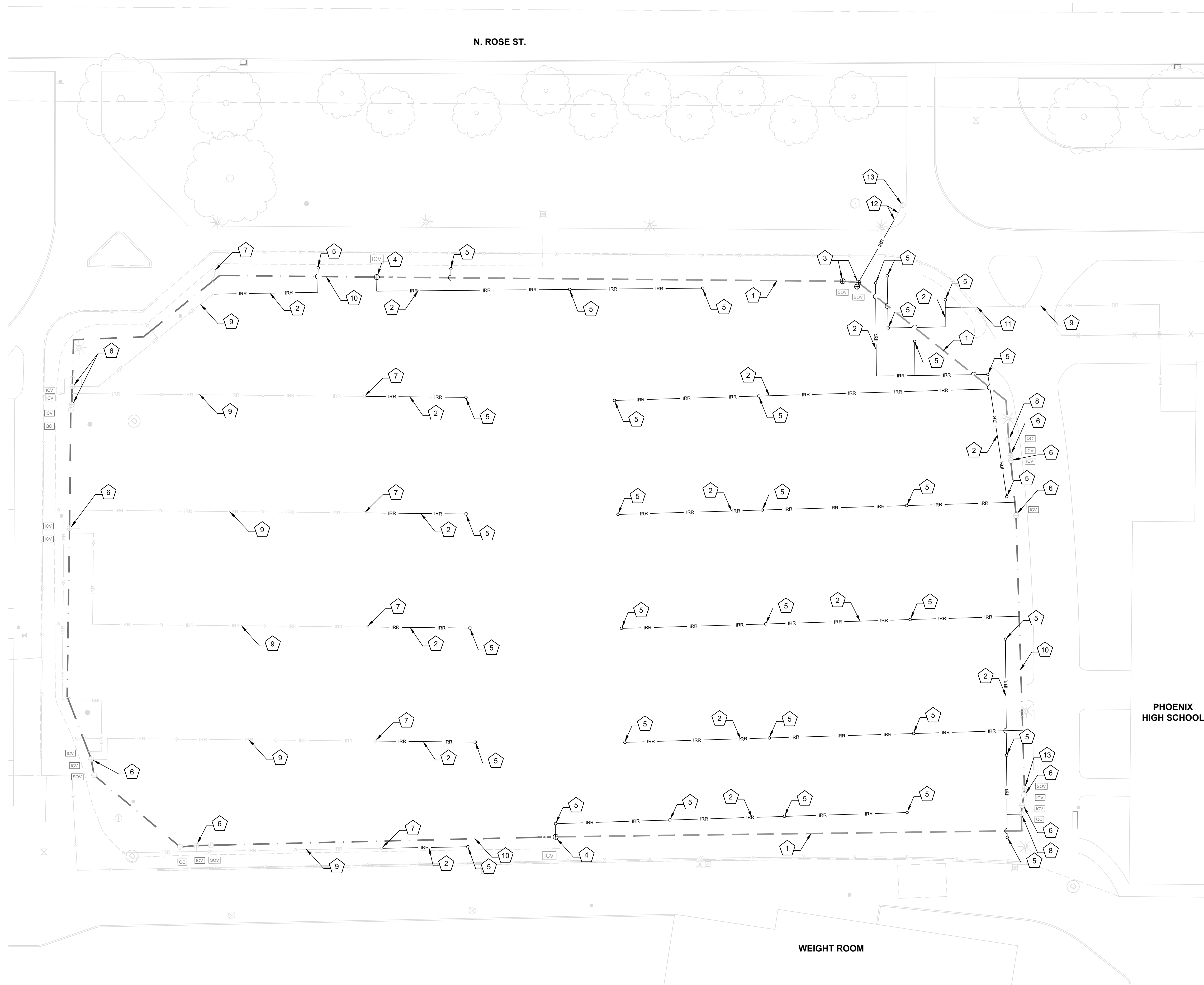
REVISION ID	DATE

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CHECKED: GTC
DATE: 01/12/2024

OVERALL IRRIGATION SITE KEY

L1.00

BID & PERMIT SET



IRRIGATION DEMOLITION NOTES:

GENERAL NOTES:
 SALVAGE EXISTING IRRIGATION ROTORS, CONTROL VALVES AND SHUT OFF VALVES TO BE REMOVED AND DELIVER TO OWNER'S REPRESENTATIVE.

DISPOSE OF ALL EXISTING IRRIGATION PIPING TO BE REMOVED.

- IRRIGATION DEMOLITION NOTES:**
1. IRRIGATION MAIN LINE TO BE REMOVED.
 2. LATERAL LINE TO BE REMOVED.
 3. IRRIGATION SHUT OFF VALVE TO BE REMOVED.
 4. IRRIGATION CONTROL VALVE TO BE REMOVED.
 5. IRRIGATION ROTOR TO BE REMOVED.
 6. IRRIGATION CONTROL VALVE TO REMAIN.
 7. IRRIGATION ROTOR TO REMAIN.
 8. IRRIGATION QUICK COUPLER VALVE TO REMAIN.
 9. IRRIGATION LATERAL LINE TO REMAIN.
 10. IRRIGATION MAIN LINE TO REMAIN.
 11. CAP EXISTING LATERAL LINE AT THIS LOCATION.
 12. IRRIGATION POINT OF CONNECTION AND EXISTING MAIN LINE TO REMAIN.
 13. IRRIGATION SHUT OFF VALVE TO REMAIN.



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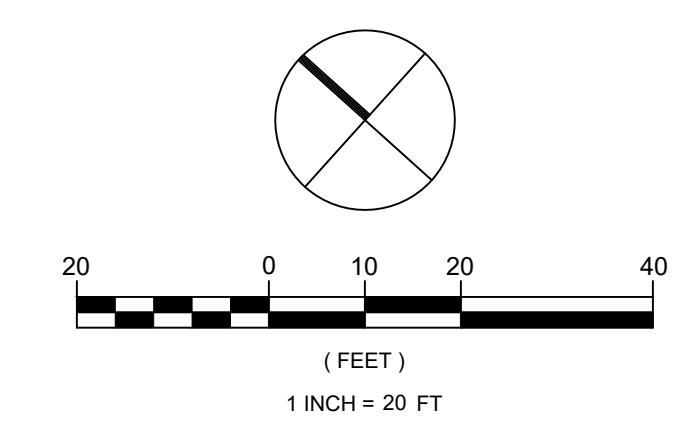
PHOENIX
 HIGH SCHOOL

WEIGHT ROOM

ONE INCH EQUALS FULL SCALE

1 IRRIGATION DEMOLITION PLAN

1"=20'



REVISION ID:	DATE:

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 CHECKED: GTC
 DATE: 01/12/2024

IRRIGATION
 DEMOLITION PLAN

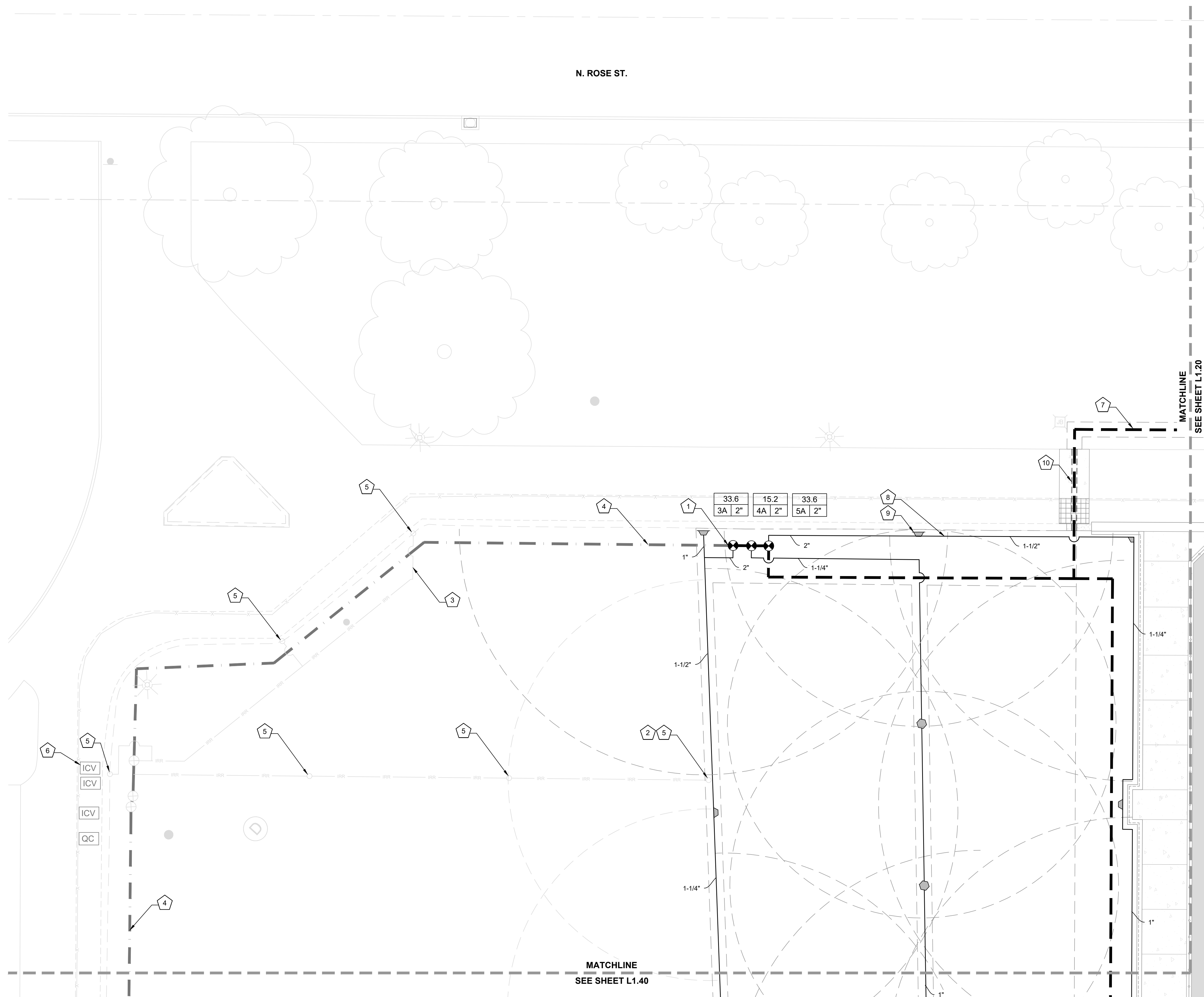
L1.01

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IRRIGATION NOTES:

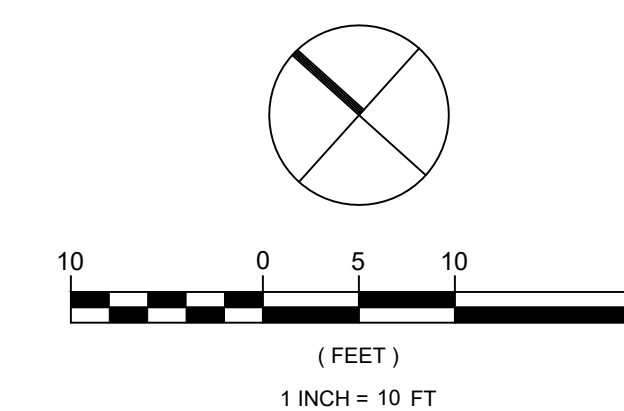
- IRRIGATION NOTES:**
1. CONNECT NEW CONTROL VALVES TO EXISTING MAIN LINE AT THIS LOCATION.
 2. SET EXISTING ROTOR ARCS TO 180 DEGREES, CURRENTLY SET TO 360 DEGREES.
 3. LATERAL LINE TO REMAIN.
 4. MAIN LINE TO REMAIN.
 5. ROTOR TO REMAIN.
 6. VALVES TO REMAIN.
 7. NEW MAIN LINE, TYPICAL.
 8. NEW LATERAL LINE, TYPICAL.
 9. NEW ROTOR, TYPICAL.
 10. NEW MAIN LINE IN SLEEVE.



ONE INCH EQUALS FULL SCALE

1 NORTH IRRIGATION PLAN
L1.10

1"=10'



EXPIRES: 12/31/2024

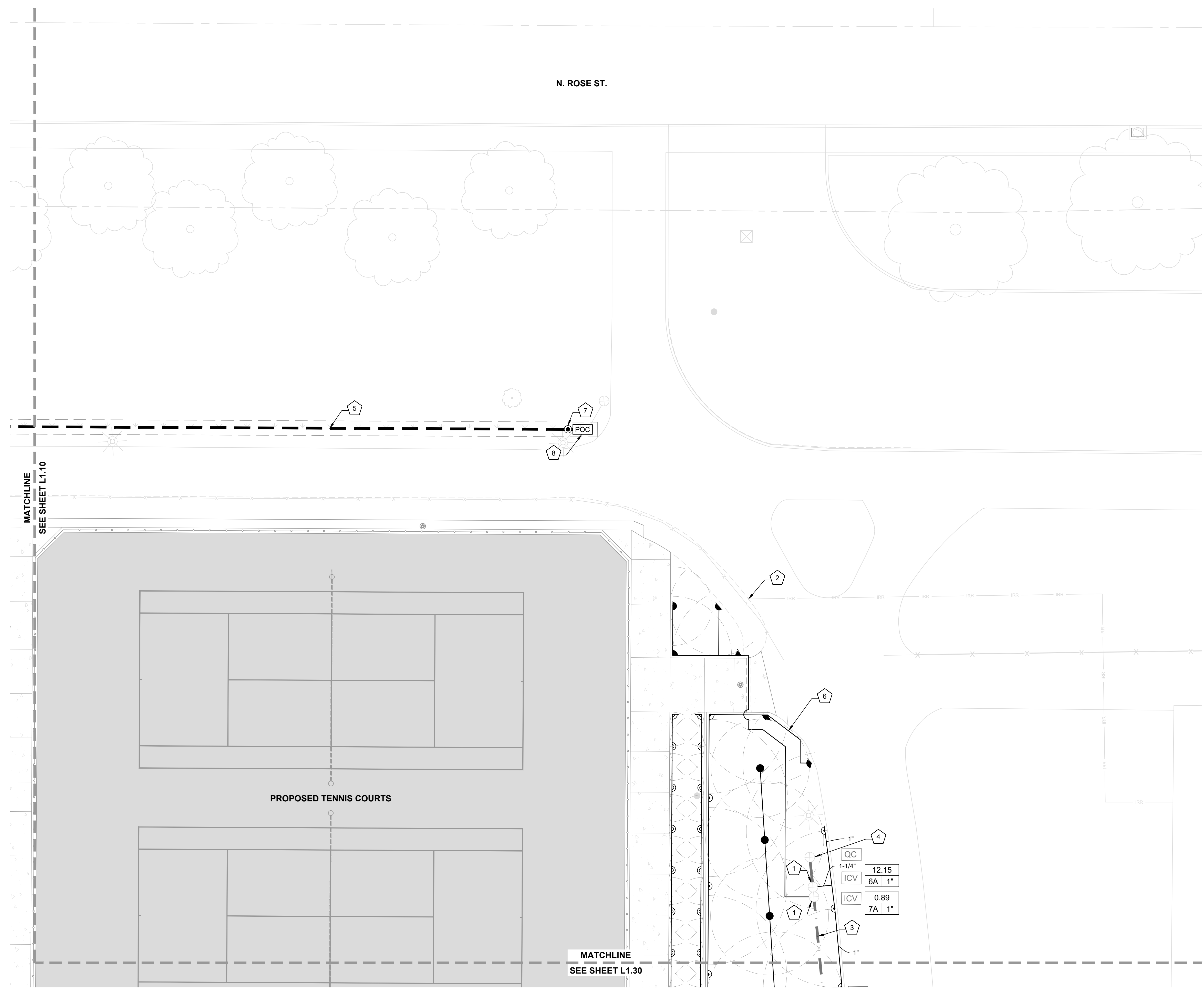
REVISION ID:	DATE:

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NORTH IRRIGATION PLAN

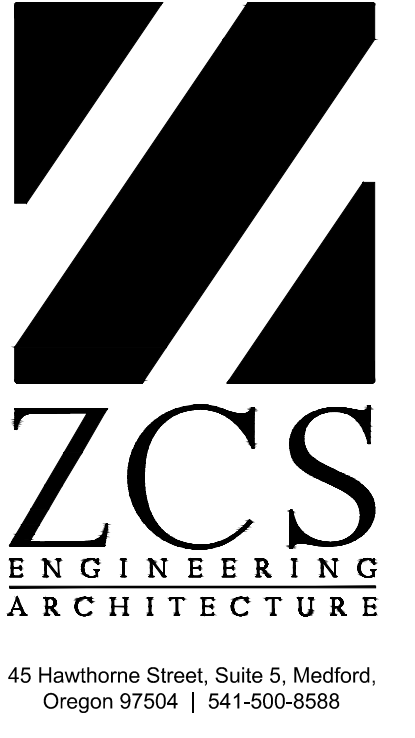
L1.10

BID & PERMIT SET



IRRIGATION NOTES:

- IRRIGATION NOTES:**
1. CONNECT NEW IRRIGATION ZONES TO EXISTING CONTROL VALVES.
 2. LATERAL LINE TO REMAIN.
 3. MAIN LINE TO REMAIN.
 4. QUICK COUPLING VALVE TO REMAIN.
 5. NEW MAIN LINE, TYPICAL.
 6. NEW LATERAL LINE, TYPICAL.
 7. NEW SHUT OFF VALVES.
 8. NEW POINT OF CONNECTION TO EXISTING 2" MAIN LINE.



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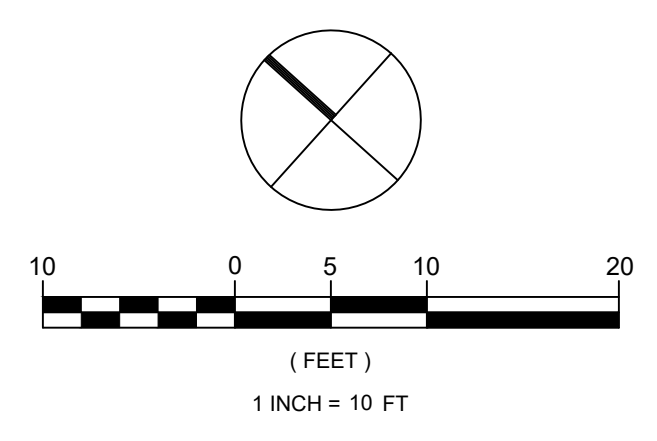
MATCHLINE
SEE SHEET L1.10

MATCHLINE
SEE SHEET L1.30

QC	12.15
ICV 6A 1"	
ICV	0.89
ICV 7A 1"	

ONE INCH EQUALS FULL SCALE

1 EAST IRRIGATION PLAN
L1.20



1"=10'



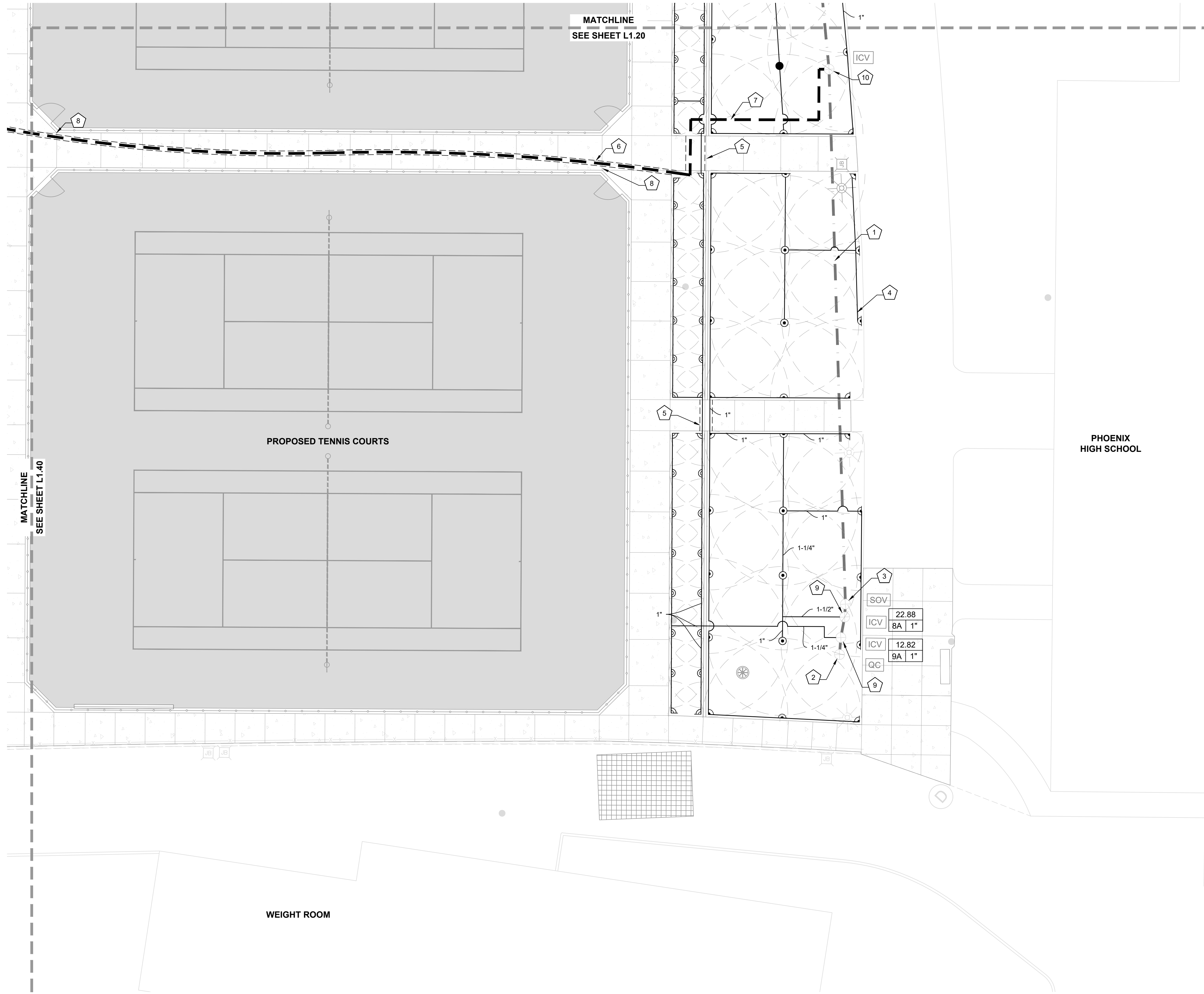
REVISION ID:	DATE:

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EAST IRRIGATION PLAN

L1.20

BID & PERMIT SET



IRRIGATION NOTES:

- IRRIGATION NOTES:
1. MAIN LINE TO REMAIN.
 2. QUICK COUPLER VALVE TO REMAIN.
 3. SHUT OFF VALVE TO REMAIN.
 4. NEW LATERAL LINE, TYPICAL.
 5. NEW SLEEVE, TYPICAL.
 6. NEW MAIN LINE IN 4" SCH 40 PVC SLEEVE. BEND SLEEVE TO ACHIEVE APPROXIMATE ALIGNMENT SHOWN.
 7. NEW MAIN LINE, TYPICAL.
 8. KEEP IRRIGATION SLEEVE 12" CLEAR OF TENNIS COURT PAVING AND CURBS, TYP.
 9. CONNECT NEW IRRIGATION ZONES TO EXISTING CONTROL VALVES.
 10. CONNECT NEW MAIN LINE TO EXISTING CONTROL VALVE.



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TENNIS COURTS**



PHOENIX
HIGH SCHOOL

PROPOSED TENNIS COURTS

WEIGHT ROOM

SOV	22.88
ICV	8A 1"
ICV	12.82
QC	9A 1"

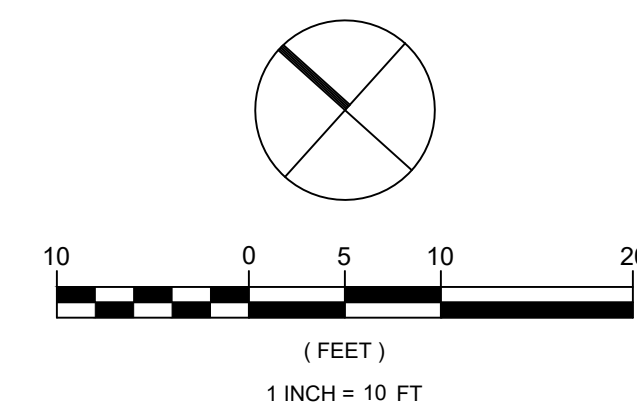
MATCHLINE
SEE SHEET L1.20

MATCHLINE
SEE SHEET L1.40

ONE INCH EQUALS FULL SCALE

1 SOUTH IRRIGATION PLAN

1"=10'



EXPIRES: 12/31/2024

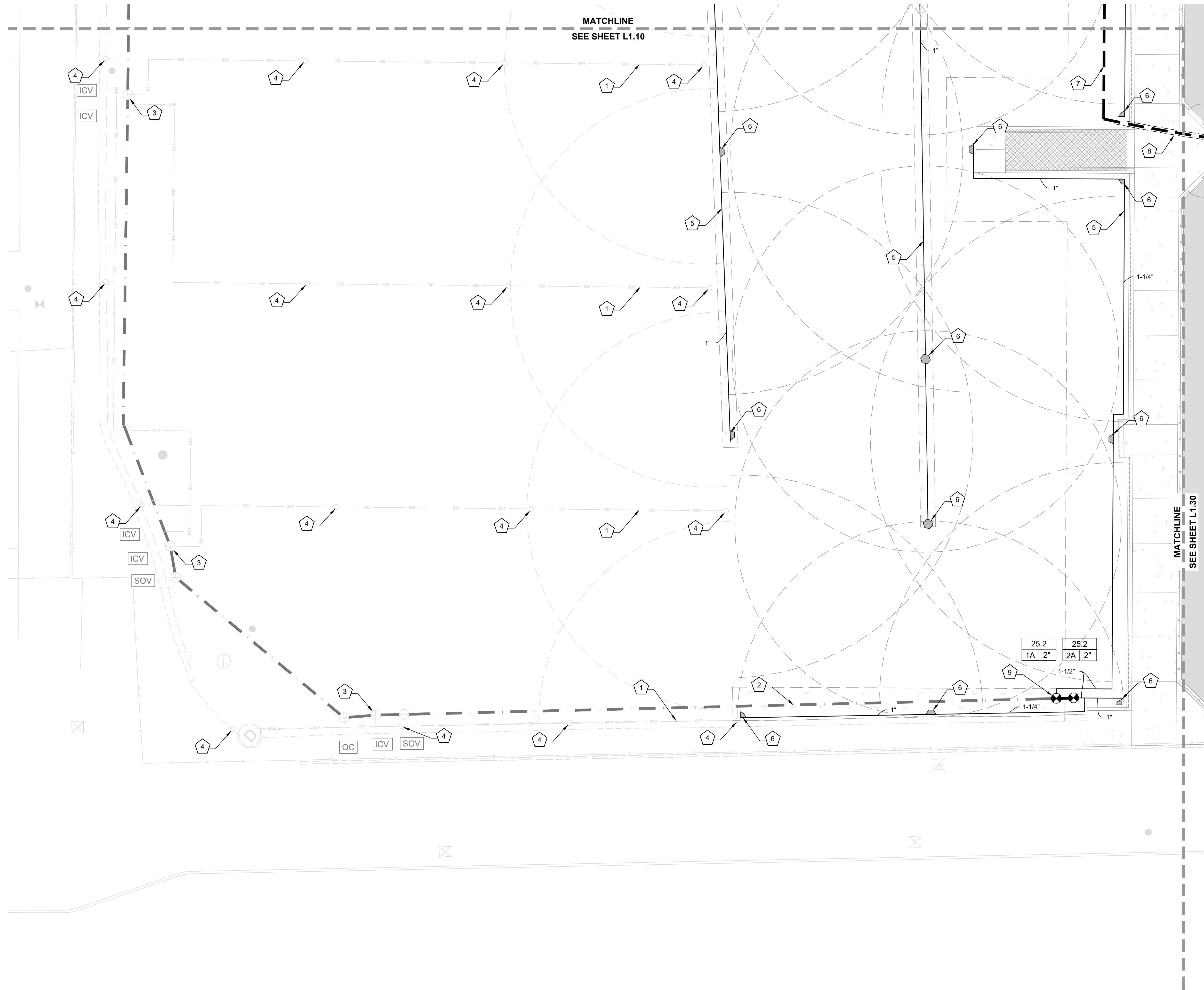
REVISION ID:	DATE:

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**SOUTH
IRRIGATION PLAN**

L1.30

BID & PERMIT SET



IRRIGATION NOTES:

- IRRIGATION NOTES:
 1. LATERAL LINE TO REMAIN.
 2. MAIN LINE TO REMAIN.
 3. VALVE TO REMAIN.
 4. ROTOR TO REMAIN.
 5. NEW LATERAL LINE.
 6. NEW ROTOR.
 7. NEW MAIN LINE.
 8. NEW MAIN LINE IN SLEEVE.
 9. CONNECT NEW CONTROL VALVES TO EXISTING MAIN LINE.



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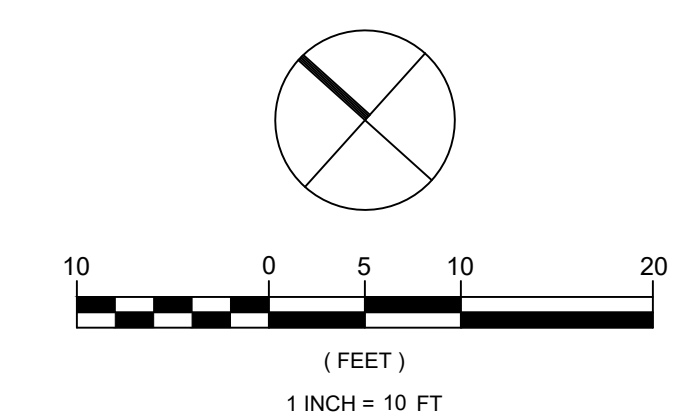
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ONE INCH EQUALS FULL SCALE

1 WEST IRRIGATION PLAN
L1.40

1"=10'

**WEST
IRRIGATION PLAN**

L1.40

BID & PERMIT SET

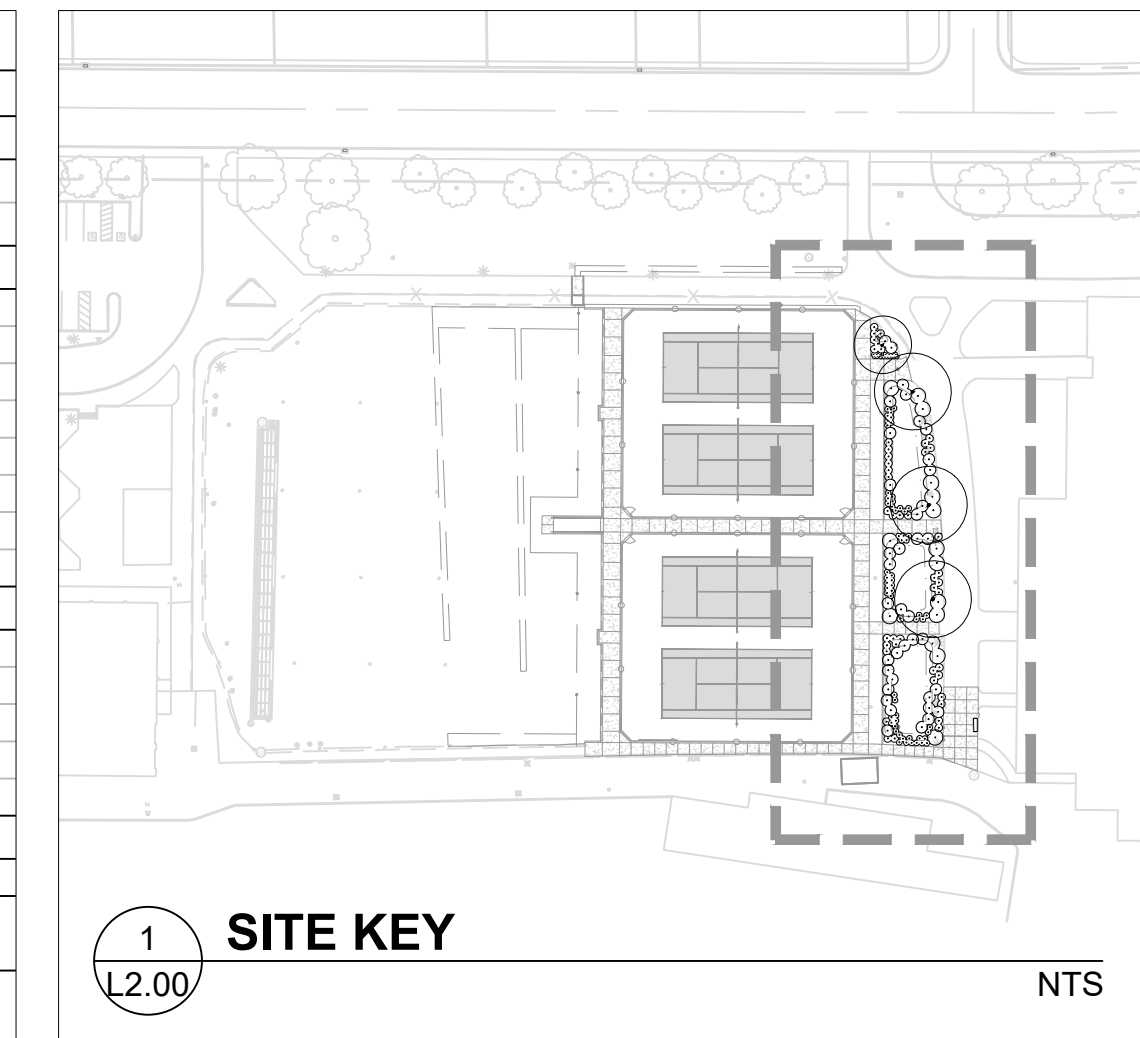
GENERAL NOTES FOR VEGETATED BMPS

- EXCLUDING CONSTRUCTION OF THE FACILITY ITSELF, EXPOSED STORMWATER TREATMENT AREA SUBGRADE SHALL BE FENCED TO PROHIBIT IMPACTS FROM CONSTRUCTION (INCLUDING MATERIALS AND EQUIPMENT STORAGE).
- BUILD AND VEGETATE AS EARLY AS POSSIBLE TO ESTABLISH PLANTINGS PRIOR TO DIRECTING STORMWATER RUNOFF TO THE BMP.
- CALL THE REVIEWING AGENCY 48 HOURS IN ADVANCE OF CONSTRUCTING THIS FACILITY SO CONSTRUCTION OBSERVATION MAY BE PERFORMED TO IDENTIFY VARIATIONS IN THE FIELD THAT MAY AFFECT DESIGN AND VERIFY PROPER CONSTRUCTION.
- OVER-EXCAVATE WITHIN THE BMP TO ALLOW FOR PLACEMENT OF AMENDED OR IMPORTED SOIL UP TO FINAL GRADE.
- AMENDED NATIVE OR IMPORTED SOIL MIX SHALL BE THE "WATER QUALITY MIXTURE" SPECIFIED IN OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION SPECIAL PROVISION SECTION 01012.12.
- PLACEMENT OF AMENDED NATIVE OR IMPORTED SOIL MIX SHALL OCCUR AS FOLLOWS:
 - CONDUCT EXCAVATION, FINE GRADING AND PLACEMENT WORK ONLY WHEN THE FACILITY AND THE SOIL TO BE PLACED IS DRY. DO NOT PLACE IF SOIL IS SATURATED.
 - IF UNPROTECTED SOIL HAS BEEN EXPOSED TO RAINFALL, SCARIFY THE SURFACE TO A DEPTH OF 4 INCHES TO RESTORE FILTRATION CAPACITY.
 - PLACE SOIL IN 8 INCH MAXIMUM LIFTS (I.E. DEPTHS).
 - LIGHTLY COMPACT EACH LIFT, USING A WATER FILLED LANDSCAPE ROLLER TO ACHIEVE 85% COMPACTION. DO NOT COMPACT WITH HEAVY MACHINERY OR VIBRATORY COMPACTION.
- IF SOIL IS PLACED DURING THE WET SEASON AND THE FACILITY WILL NOT BE PLANTED WITHIN ONE WEEK OF SOIL INSTALLATION, INSTALL OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, SPECIAL

- PROVISION 00280 TYPE E EROSION CONTROL MATTING. CONTACT APPROVING JURISDICTION 48 HOURS IN ADVANCE OF PLANTING SO THAT THE JURISDICTION CAN REVIEW SOIL INSTALLATION AND PLANT PLACEMENT PRIOR TO PLANT INSTALLATION.
- MULCH SHALL BE:
 - PLACED IN AREAS SHOWN ON THE APPROVED PLAN
 - SHREDDED WOOD CHIPS OR COURSE COMPOST
 - DYE, PESTICIDE AND WEED FREE
 - SPREAD IN A MINIMUM TWO INCH LAYER OVER BARE SOIL OR IN A RING AROUND PLANTS
- NOT TOUCHING PLANT STEMS
- SIDE SLOPES OUTSIDE OF FLOW AREA SHALL BE PERMANENTLY STABILIZED WITH MULCH AND VEGETATION.
- THE APPROVED JURISDICTION MAY REQUEST EVIDENCE THAT THE AMENDED NATIVE OR IMPORTED SOIL MIX MEETS SPECIFICATION PRIOR TO PLACEMENT.
- SUBMIT TEST DATA FOR THE SOIL MIX BY AN ACCREDITED LABORATORY WITH CURRENT CERTIFICATION. THE DATE OF THE ANALYSIS MUST BE NO MORE THAN 90 DAYS PRIOR TO SUBMITTAL. THE REPORT MUST INCLUDE THE FOLLOWING:
 - NAME AND ADDRESS OF THE LABORATORY
 - PHONE, CONTACT AND EMAIL ADDRESS OF THE LABORATORY
 - TEST DATA, INCLUDING DATE AND NAME OF THE TEST PROCEDURE
 - SOURCE OF THE TOPSOIL

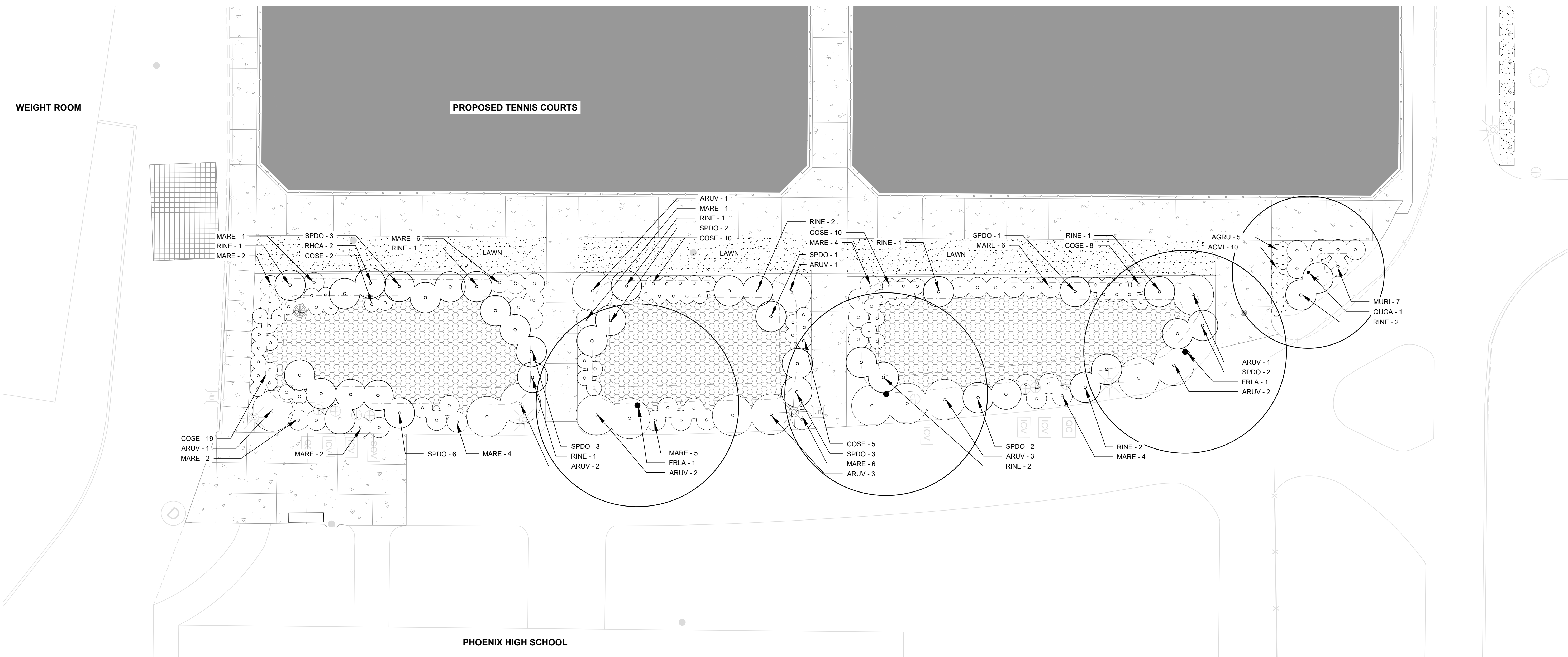
PLANT LEGEND

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE / CONDITION	SPACING
TREES				
FRLA	FRAXINUS LATIFOLIA	OREGON ASH	1.5" CAL	
QUGA	QUERCUS GARRYANA	OREGON WHITE OAK	1.5" CAL	
SHRUBS				
AMAL	AMELANCHIER ALNIFOLIA 'REGENT'	DWARF SERVICEBERRY	5 GAL	
ARUV	ARCTOSTAPHYLOS UVA-URSI	KINNICKINNICK MANZANITA	1 GAL	
COSE	CORNUS SERICEA 'KELSEY'	KELSEY DOGWOOD	1 GAL	
MARE	MAHONIA REPENS	CREeping OREGON GRAPE	1 GAL	
RHCA	RHAMNUS CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY	5 GAL	
RINE	RIBES NEVADENSE	SIERRA CURRANT	3 GAL	
SPDO	SPIREA DOUGLASII	WESTERN SPIREA	1 GAL	
PERENNIALS & GRASSES				
ACMI	ACHILLEA MILLEFOLIUM	COMMON YARROW	1 GAL	
AGRU	AGASTACHE RUPESTRIS	HUMMINGBIRD MINT	1 GAL	
MURI	MUHLENBERGIA RIGENS	DEERGRASS	1 GAL	
TURF GRASSES				
	JUNCUS PATENS	COMMON RUSH	4" FLATS	18" O.C
LAWN			HYDROSEED, SEE SPECIFICATION SECTION 32 92 00	



1 SITE KEY

NTS



WEIGHT ROOM

PROPOSED TENNIS COURTS

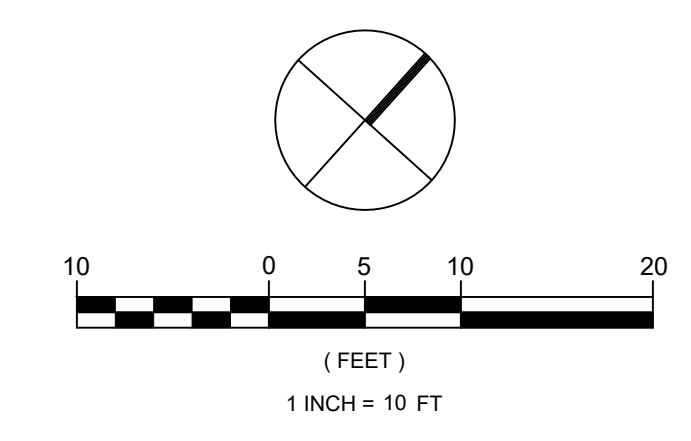
PHOENIX HIGH SCHOOL

ONE INCH EQUALS FULL SCALE

2 PLANTING PLAN

L2.00

1"=10'



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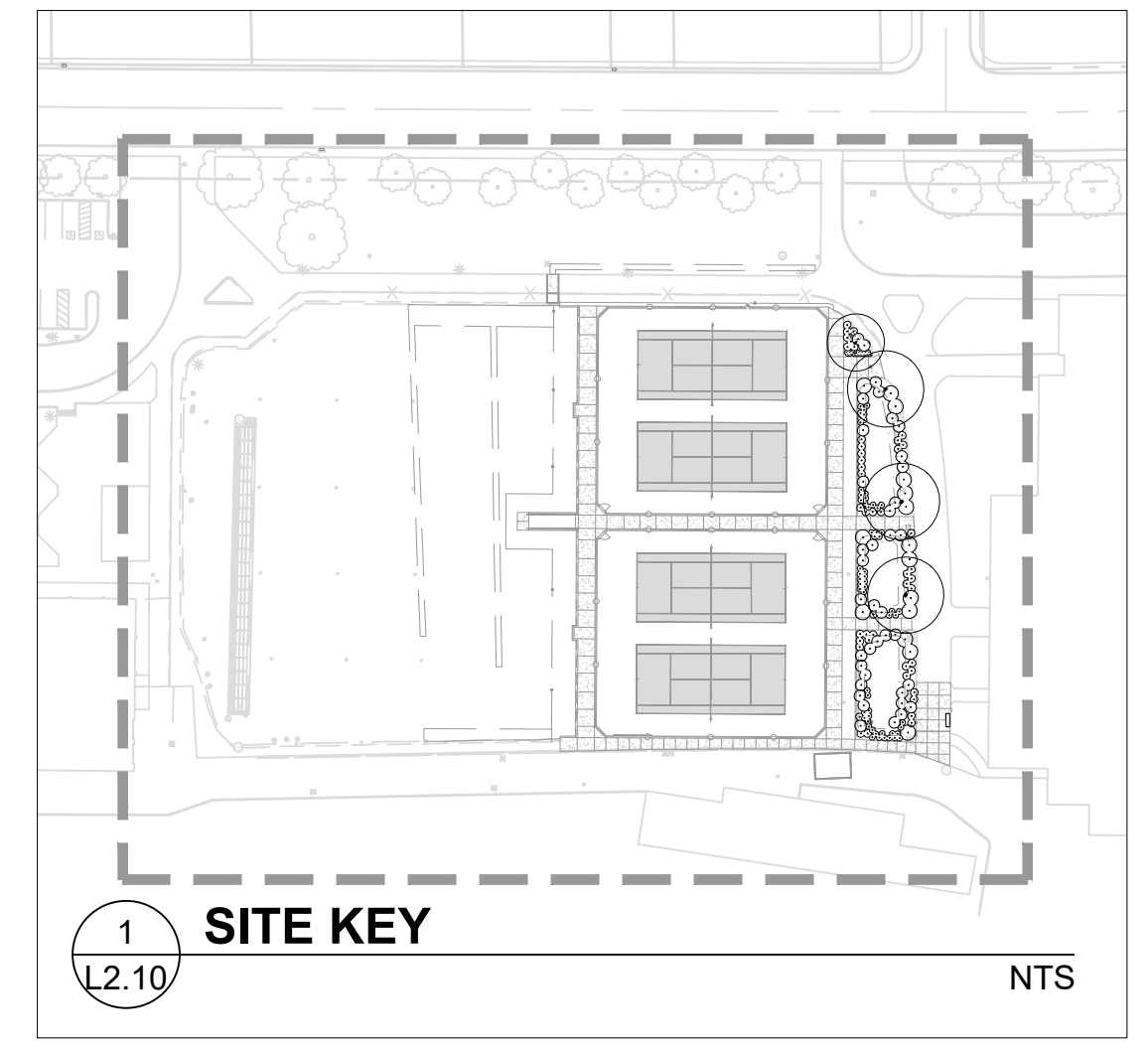
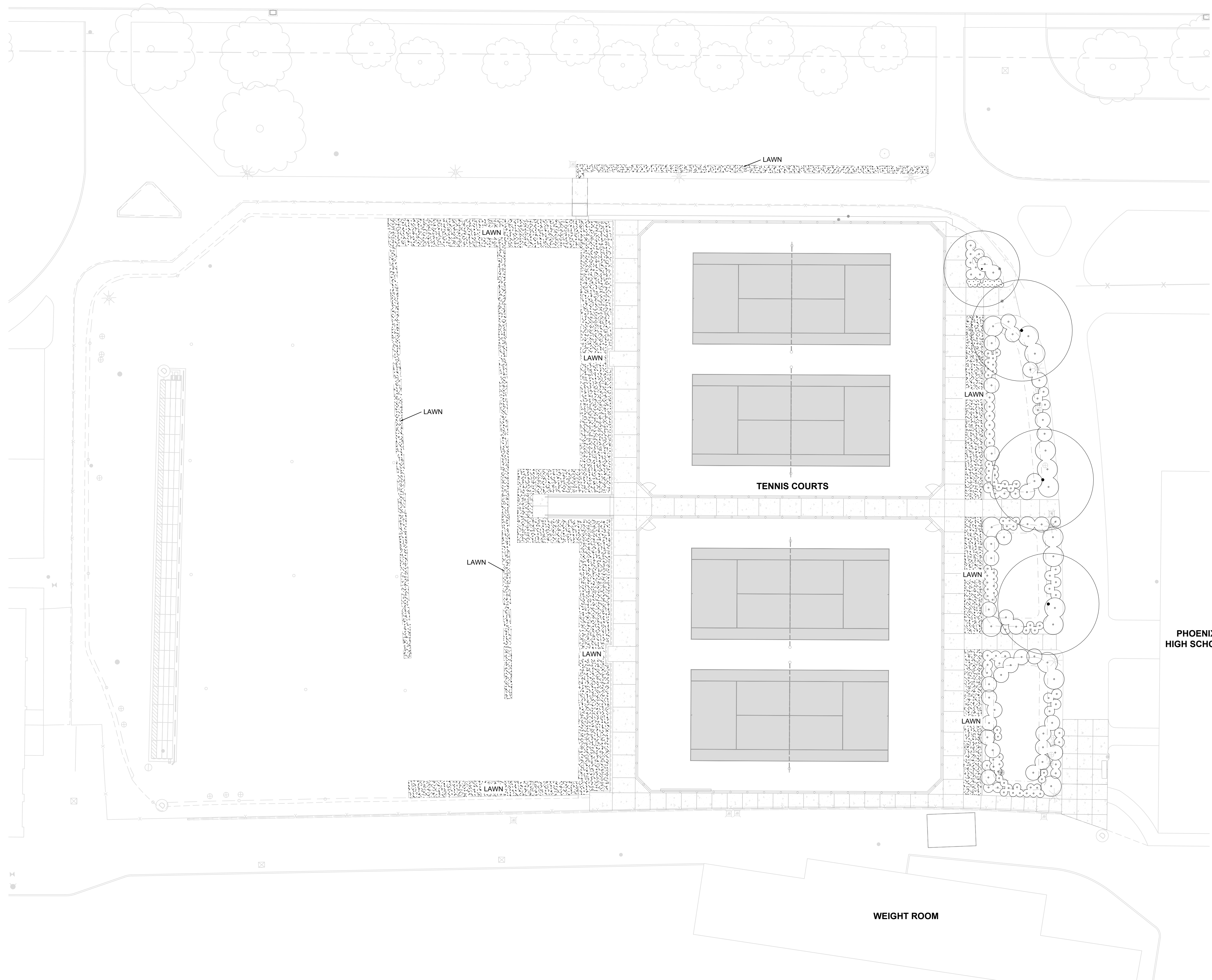
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PLANTING PLAN

L2.00

BID & PERMIT SET



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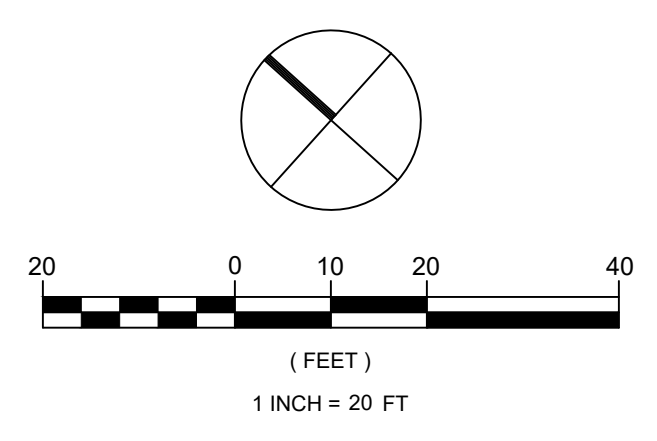
PHOENIX
HIGH SCHOOL

WEIGHT ROOM

ONE INCH EQUALS FULL SCALE

2 SEEDING PLAN
L2.10

1"=20'



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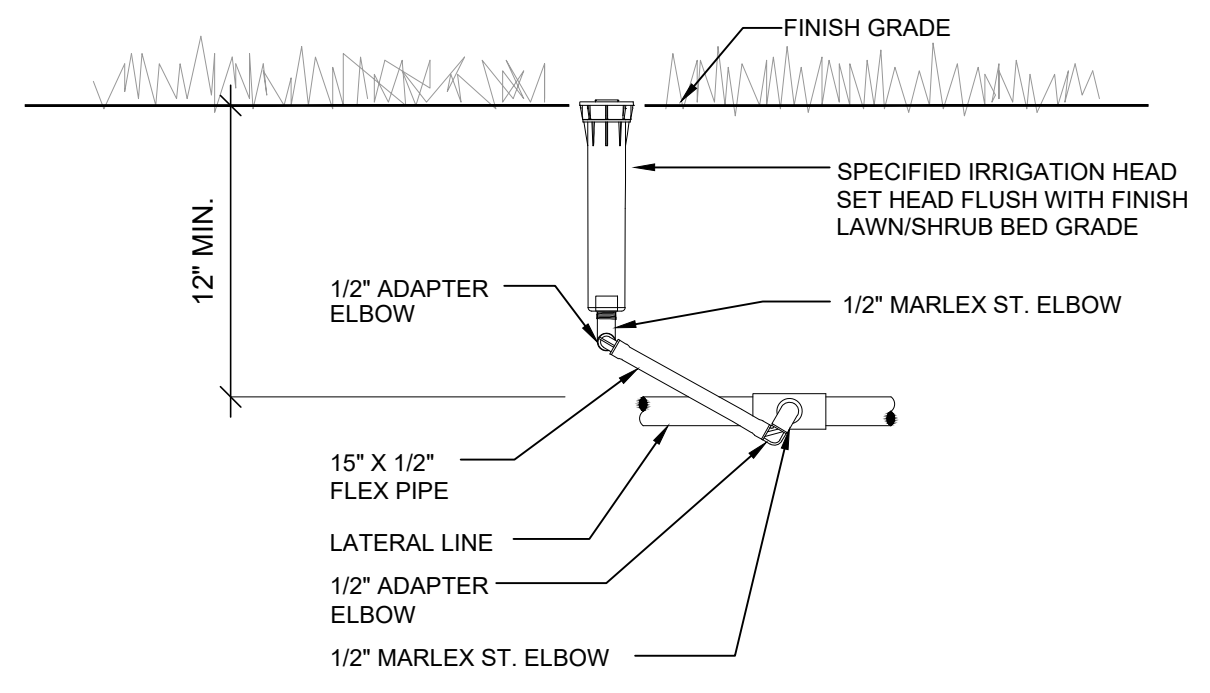
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SEEDING PLAN

L2.10

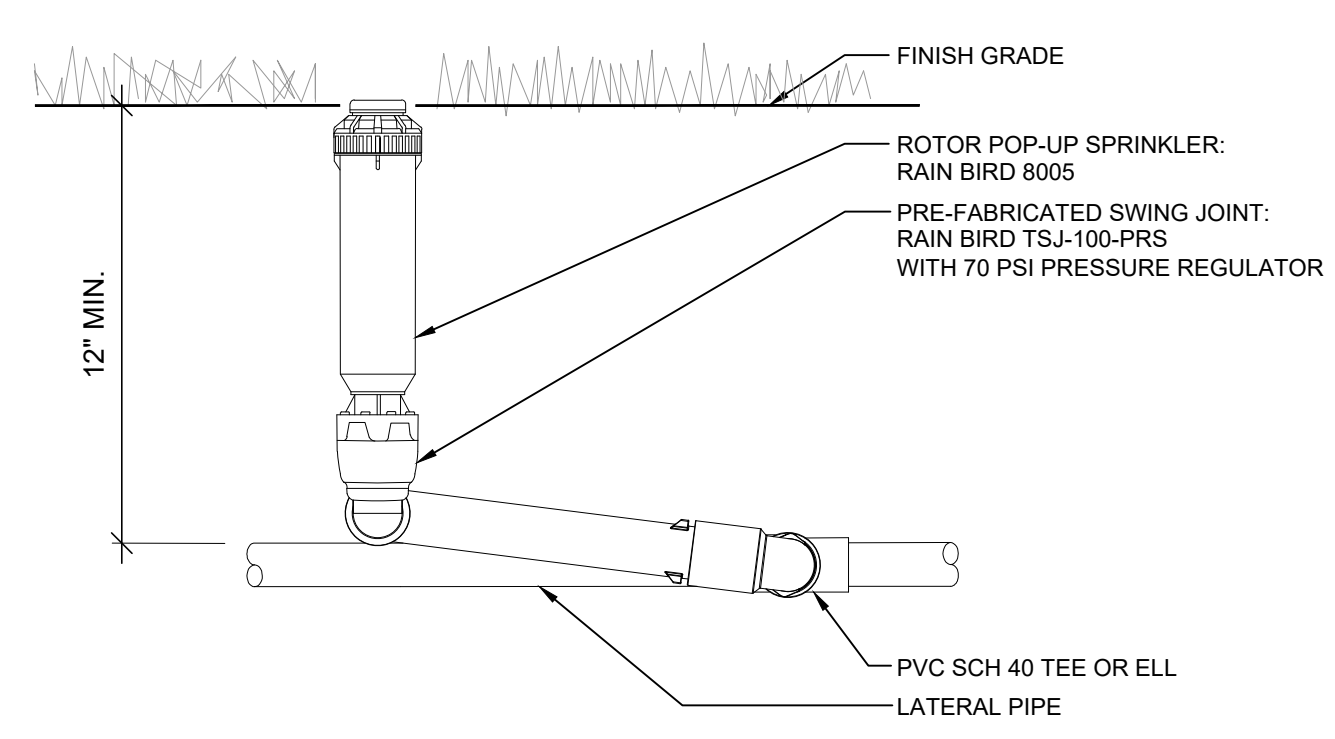
BID & PERMIT SET

NOTE:
INSTALL IRRIGATION HEADS PERPENDICULAR
TO THE SLOPE OF THE FINISH GRADE.

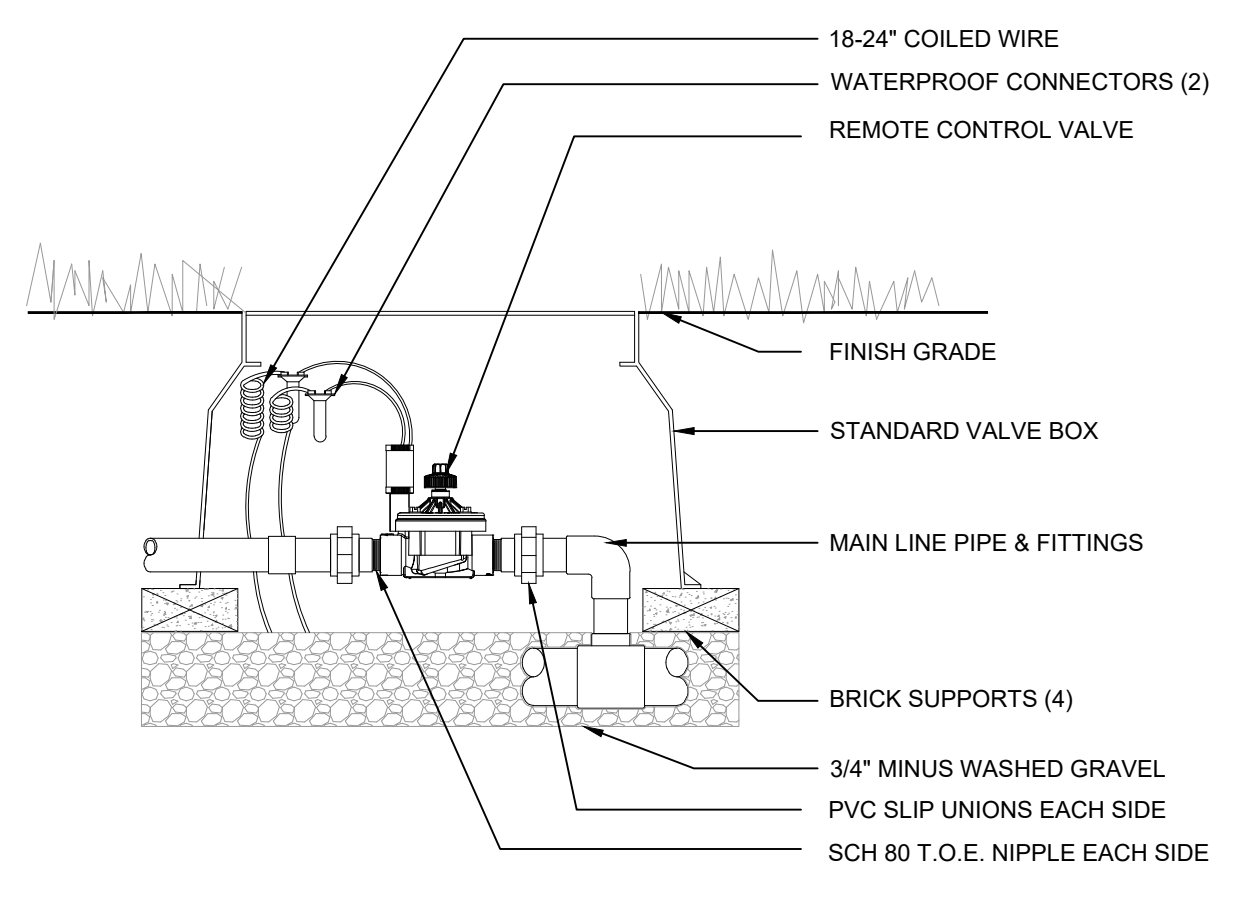


1 **SPRAY HEAD ASSEMBLY**
L3.00 1-1/2" = 1'

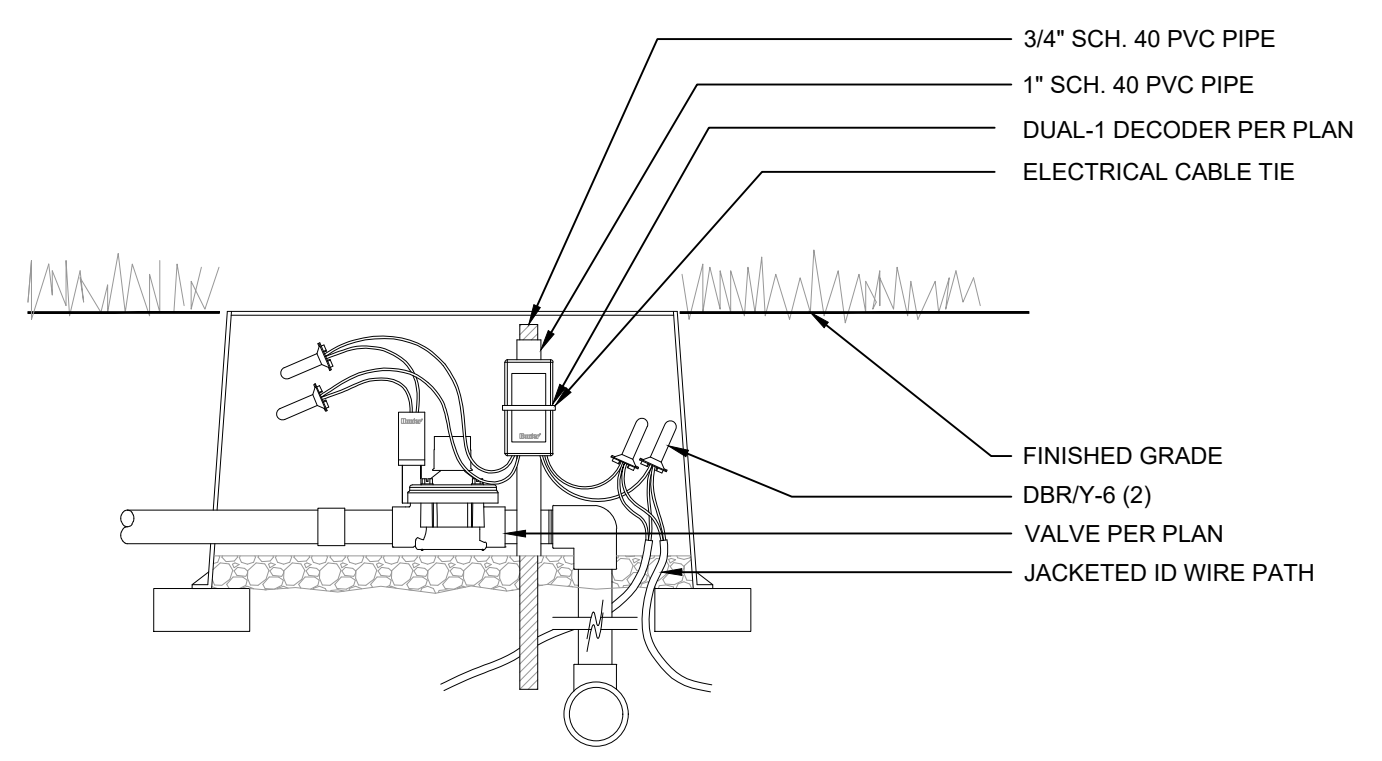
NOTE:
INSTALL IRRIGATION HEADS PERPENDICULAR
TO THE SLOPE OF THE FINISH GRADE.



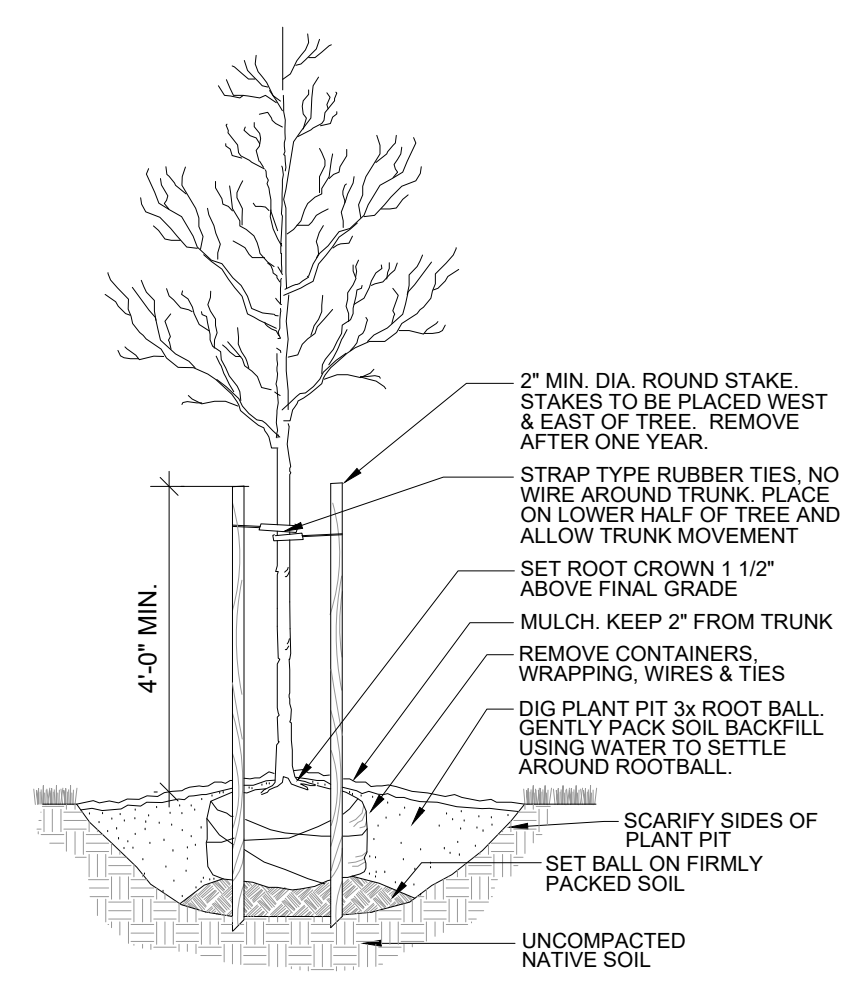
2 **ROTOR ASSEMBLY**
L3.00 1-1/2" = 1'



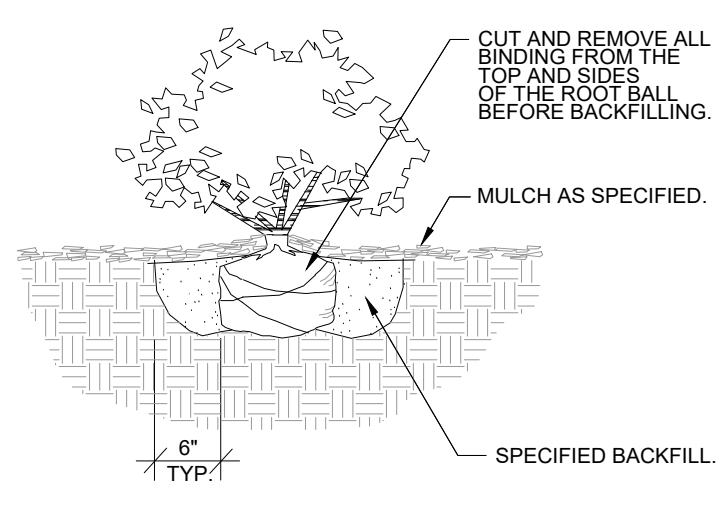
3 **IRRIGATION CONTROL VALVE**
L3.00 1-1/2" = 1'



4 **DECODER ON STAKE**
L3.00 1-1/2" = 1'



5 **TREE PLANTING DETAIL**
L3.00 NTS



6 **SHRUB PLANTING DETAIL**
L3.00 NTS

ONE INCH EQUALS FULL SCALE



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LANDSCAPE
DETAILS

L3.00

BID & PERMIT SET