

Community Development Department

Building | Planning | Code Enforcement P.O. Box 9, 230 Davidson Avenue (360) 225-7299, www.ci.woodland.wa.us

REVISED NOTICE OF DECISION

1951 Schurman Warehouse and Office

	SPR 22-004 (Site Plan Review – Type 2)
Land Use Application Nos.:	A field by determined an entropy in the second se
	SEP 22-004 (SEPA)
	Wilson Architects PLLC
	C/O Rusty Muyuela
Applicant:	404 E. 15 th St
	#7
	Vancouver, Washington, 98663
	DT Realty LLC
Duran autor Original	Mark Dawkins
Property Owner:	610 NW 16 th Cir
	Ridgefield, WA, 98642
Cite Leastion:	1951 Schurman Way
Site Location:	Woodland, WA 98674
Parcel & Size:	507870102, 3.06 Acres
Zoning Designation:	Light Industrial, I-1
Date Application Received:	October 28 th , 2021
Notice of Application &	Revised: May 11 th , 2022
Likely DNS issued:	Original: April 28 th , 2022 [See: case # SEP-22-004]
Comment Period & SEPA	Revised: May 25 th , 2022
Appeal Period Ended:	Original: May 12 th , 2022
Notice of Decision Issued:	Revised: June 1 st , 2022
	Original: May 31 st , 2022
DRC Decision:	Approve with Conditions

I. DESCRIPTION OF PROPOSAL

Applicant proposes to develop a new 15,050 SF warehouse and office distribution center for the storage, manufacture, and sale of golf carts and golf cart parts. Proposed development located at 1951 Schurman Lane in Woodland, Washington will consist of approximately 6,875 SF of warehouse space, as well as 3,675 SF of office space.

II. REVIEW AUTHORITY & FINDINGS

Per Woodland Municipal Code (WMC) 19.08.030, site plan reviews shall be approved, approved with conditions, or denied by the Development Review Committee and decisions shall be issued by the Community Development Department.

Development Impact Fees – Fire | WMC 3.41

Finding 1: Fire Impact Fees are required for the proposed building addition. Fees are calculated based on \$.51 per sq ft of building. Fees are calculated and due at the time of building permit issuance. Fee is estimated to be $(15050 \times $0.51) = $7,675.50$ for the project. A condition of approval has been added which requires the fees be calculated and paid at the time of building permit issuance. (*See conditions 1 and 2*)

Conclusion: As conditioned, the proposal can comply with this requirement. (See Findings 53 and 54 for fire review requirements.)

Development Impact Fees – Transportation | WMC 3.42

Finding 2: Transportation Impact Fees (TIF) are required on new development to support future transportation improvements within the city per WMC 3.42. The TIF is calculated based on \$838 per PM peak hour trip (PMPHT) generated by the project based on the project Traffic Study or where no study is prepared, based on trip generation in accordance with Institute of Transportation Engineers (ITE) published data.

Finding 3: For this proposal, trip generation was evaluated under the use classification "#150 – Warehousing" and "#715 – Single Tenant Office" from the ITE 10th Edition manual. The warehousing classification calls for 0.19 peak hour trips per 1,000 square feet while the single tenant office classification calls for 1.74 peak hour trips per 1,000 square feet. For the "#150 -- Warehousing" use, it is calculated that 6,875 s.f. of Warehouse under ITE category 150 generates 1.31 new peak hour and for the "#715 – Single Tenant Office" use, it is calculated that 3,675 s.f. of Office under ITE category 715 generates 6.39 new peak hour trips.

Finding 4: The above assumptions of building size and use category result in a total of 7.7 new PM peak hour trips. With a Transportation Impact fee of \$838.00/ Pm Peak Hour Trip, a rough estimation of the Transportation impact fee would be \$6452.60.

Impact fees are collected at the time of building permit issuance. (See conditions 1 and Condition 2)

Calculations are based upon gross floor area (GFA). Actual impact fees will be calculated and collected at the time of building permit issuance.

Conclusion: As conditioned, the project can comply with this requirement.

Streets and Sidewalks | WMC 12

Finding 5: Street trees along the sidewalk in the right-of-way are required.

Finding 6: The proposed landscaping plan indicates that Fraxinus americana 'Autumn Applause' trees shall be planted within the public Right-of-Way in order to comply with the City's Street Tree ordinance. (*See condition 3*)

Finding 7: Fraxinus americana 'Autumn Applause' is a permitted Street Tree under the 'Medium/Large' category of the list of acceptable street trees.

Finding 8: The street frontage at Schurman Way is generally, fully developed outside of the placement of required streetlights. Placement and construction of streetlights shall be in conformance with City of Woodland standards. A condition is added that all improvements in the public right-of-way shall be completed in accordance with City of Woodland standards. (*See condition 4*)

Conclusion: As conditioned, the proposal can comply with the development standards.

Water and Sewage | WMC 13

Finding 9A: Water mains are complete in the fronting street and extended through the site on the southern portion of the property. The applicant has proposed to construct a 6-inch fire line, 4-inch FDC line, and 2-inch domestic service line off the existing 12-inch water main. Sewer mains are complete in the fronting street. The applicant has proposed to construct a 6-inch sanitary sewer service line between the proposed building and existing sewer lateral. The layout of these utilities as shown in the current engineering plans appear to meet the requirements of the City Engineering Standards and comply with backflow and cross-connection requirements of WMC 13.28, as well as all other applicable WMC. (*See conditions 5 and 6*)

Finding 9B: The fire mains shall be public mains with a 15 ft wide easement to the City. The layout of these utilities as shown in the current engineering plans appear to meet the requirements of the City Engineering Standards and WMC. (*See condition 7*)

Finding 10: Water and sewer connection fees need to be paid for connection to the systems. Fees vary based on the connection size and will be assessed in accordance with the applicable rate schedule. (*See condition 2*)

Finding 11: A final utility plan is required to be submitted with the full civil review submission. Final utility plan must show proposed location, size, connection points to existing public systems and terminus points for sanitary sewer, water, and stormwater drainage as well as all public and private easements for all utilities. (*See condition 8*)

Conclusion: As conditioned, the proposal can comply with the development standards.

Erosion Control Ordinance | WMC 15.10

Finding 12: Applicants are required to install and maintain erosion control measures per the Best Management Practices as outlined in the 2012 version of the Stormwater Management Manual for Western Washington during site excavations and grading. An NPDES permit from the Department of Ecology is required where more than one acre is being disturbed. (*See condition 9*)

Finding 13A: A preliminary erosion control plan was included with the preliminary site plan submittal. A condition of approval is added to meet all erosion control requirements of WMC 15.10 and follow the Woodland Design Standards for erosion control. (*See condition 10*)

Finding 13B: Construction Entrance meets the width requirements as defined within City of Woodland Std. Details E-03 and E-05 but not the length requirement. The site will have more than one-acre exposed soil and the Construction Entrance shall be 100-feet minimum length. Please revise this sheet to show a minimum 20-foot wide by 100-footlong Construction Entrance. (*See condition 11*)

Conclusion: As conditioned, the project can comply with this standard.

Stormwater Management | WMC 15.12

Finding 14A: The applicant's submittal includes a grading and drainage plan that acknowledges the short-term stormwater management during construction, as well as a stormwater TIR that complies with requirements found in WMC 15.12.060.

Finding 14B: The applicant's submittal included a final stormwater TIR. A condition of approval is added to submit a revised, final stormwater TIR to address the following concerns:

- 1. Woodland MC 15.12.080, Quantity Control, requires 2-, 10-, 25- and 100-year, 24-hour storm events. 25-year not included.
 - a. Add 25-year, 24-hour storm values to Table 1 and Table 2.
- 2. Bioswale 11R, model lists 2.5' width at bottom, plans show 2'.
 - a. Revise the HydroCAD model for 2-foot-wide swale bottom or revise plans to show 2.5-foot-wide swale bottom.
- 3. Per Appendix III-6.1 of the 1992 Puget Sound Manual, biofiltration swales with less than 2-percent slope should include underdrains.
 - a. Provide under drains for the biofiltration swales.

Final Stormwater TIR provided alongside civil engineering review shall be modified to incorporate revisions as listed above. A condition of approval is added that all proposed site modifications must be consistent with the assumptions in the previous drainage plans and all proposed site drainage improvements must comply with WMC 15.12 and the City Engineering Standards. (*See condition 12*)

Finding 14C: Per WMC 15.12.100(A)(6), a condition of approval has been added that the final stormwater TIR and all stormwater plans submitted for Civil Review must demonstrate conclusively that all stormwater will be treated and managed on site and that no stormwater shall be conveyed, dumped, or otherwise spilled over onto any adjacent properties. (*See condition 12b*)

Conclusion: As conditioned, the proposal can comply with these standards.

Permitted Uses | WMC 17.44.020

Finding 15: Processing, packaging, and distribution of goods and services, as well as light manufacturing and fabrication of raw or previously processed metals and materials are both permitted within Light Industrial (I-1) zones, per WMC 17.44.020, so long as the process or end product complies with applicable restrictions regarding noise, smoke, dust, odors, toxic gases, vibration glare and/or heat.

Conclusion: As proposed, the project can comply with this standard.

Building Setbacks | WMC 17.44.070

Finding 16: The required setbacks in light industrial zones are:

- Front yard setback: 25 ft.
- Side yad setback: 10 ft. Where I-1 abuts a residential zone, the side yard setback shall be a minimum of 25 ft.
- Rear yard setback: 10 ft. Where I-1 abuts a residential zone, the rear yard setback shall be a minimum of 25 ft.

Finding 17: Proposed development does not abut a residential zone and must comply with the typical setback requirement within light industrial zoning districts.

Finding 18: Proposed setbacks indicated are as follows:

- Front yard setback: 36 ft.
- Side Yard Setback (North): 29 ft.
- Side Yard Setback (South): 18 ft and 7.5 inches.
- Year Yard Setback: 20 ft.

Finding 19: Proposed development complies with setback requirements per WMC 17.44.070.

Conclusion: As proposed, the project can comply with this standard.

Building Height | WMC 17.44.080

Finding 20: Buildings within a light industrial zoning district shall not have more than three separate stories, and should adhere to a maximum height limit of forty-five (45) feet on lots that are smaller then one acre in size, or fifty-five (55) feet on lots greater than one acre.

Finding 21: Lot in question (parcel number 507870102) is 3.06 acres in area, and has a proposed building height of approximately 23 feet and three inches, which complies with WMC 17.44.080.

Conclusion: As proposed, the project can comply with this standard.

Off-Street parking and loading | WMC 17.44.100 & WMC Chapter 17.56

Finding 22: Per WMC 17.56.040 parking and loading facilities shall be located at the side or rear of buildings, provided that necessary parking and loading facilities may be permitted at the front only when appropriately landscaped according to the standards set out in WMC chapter 17.44.

Finding 23: On the provided preliminary site plan parking has been located to the front and side of the proposed building. Parking area is appropriately landscaped with proposed landscaping that meets the requirements within WMC Chapter 17.44.

Finding 24: Per WMC 17.56.040(B), the required number of parking spaces provided may be calculated based on one of the two following methods, whichever provides the most parking spaces:

- 1. Parking in relation to personnel:
 - a. One space for each two plant employees on maximum shift;
 - b. One space for each managerial personnel;
 - c. One visitor parking space for every ten managerial personnel;
 - d. No less than four per plant site.
- 2. Parking in relation to floor area:
 - a. One space for each one thousand two hundred fifty square feet of gross floor area used for warehousing and distribution;
 - b. One space for each seven hundred square feet of gross floor area used for manufacturing;
 - c. One space for each four hundred square feet of office floor area.

Finding 25: Applicant has not provided information to calculate the required parking in relation to personnel. A condition of approval has been added that the applicant shall provide estimated employee and management counts prior to civil engineering submission. (*See condition 13*)

Finding 26: Proposed development consists of 3,675 SF of office floor area of warehousing and distribution space. At one required parking space per every 400 SF of office space, there are 10 required parking space (3,675/400=9.19).

Finding 27: Proposed development consists of an additional 6,875 SF of warehousing and/or distribution floor area. At one required parking space per every 1,250 SF of warehousing or distribution space, there are an additional 6 required parking spaces (6,875/1,250=5.5). Combined, this calculation requires a total of 16 required parking spaces.

Finding 28: There are a total of 29 proposed parking spaces identified on the preliminary site plan, including one regular EV parking space, one EV ADA handicapped space, and one typical ADA handicapped parking space. This exceeds the required number of parking spaces based on floor area, however is not consistent with WAC 51-50-0429 and/or IBC (see finding 55 for EV spaces – One additional EV Station will be required).

Conclusion: As conditioned, the proposal can comply with these standards.

Vehicular Access | WMC 17.44.120

Finding 29: Per WMC 17.44.100, vehicular access to properties within the light industrial zoning districts shall occur via an arterial or system of arterials in order to minimize industrial use traffic traveling through residential districts.

Finding 30: Proposed development will utilize a shared driveway on the southern boundary of the property that provides access to Schurman Way, which is classified as a 'Major Industrial Collector' within Woodland's Transportation Map.

Finding 31: Schurman Way connects to Dike Access Road, a minor arterial road, approximately 1,000 feet from the Northernmost lot line of the property, providing access to the City of Woodland's system of arterials.

Conclusion: As proposed, the project can comply with this standard.

Landscape Design and Screening | WMC 17.44.133 – WMC 17.44.136

Finding 32: A landscaping plan guaranteeing the healthy growth of proposed landscaping in compliance with WMC 17.44 and signed by a certified landscaping professional is required prior to issuance of the preliminary site plan approval.

Finding 33: A landscaping plan was submitted with this preliminary site plan review application.

Finding 34: The proposed landscaping plan shall include tabulation showing the area and percentage of the following, per WMC 17.44.134:

- A. Entire site;
- B. Total landscaping areas;
- C. Areas covered by groundcover;
- D. Areas covered by nonplant materials;

- E. Areas covered by tree canopy and shrubs;
- F. Each required setback area;
- G. Total parking area;
- H. Parking landscaping; and
- I. Other landscaping areas.

Finding 35: The landscaping plan set includes calculation of the total area, total landscaping area, area covered by groundcover, area covered by non-plant material, and area covered by stormwater facility. A condition of approval has been added that final landscaping plan submitted alongside the civil review submission shall include all required calculations and tabulations per WMC 17.44.134. (*See condition 14 and 15*)

Finding 36: A combination of deciduous and evergreen trees, shrubs, and groundcovers shall be used for all planted areas, the selection of which shall be based on local climate, exposure, water availability, and drainage conditions per WMC 17.44.135 (C). All landscaped area, whether or not required, that is not planted with trees and shrubs or not covered with nonplant material, shall have groundcover plants that are designed to achieve 50% coverage of the area not covered by tree canopy and shrubs per WMC 17.44.135 (D).

Finding 37: Proposed landscaping is appropriate for the Pacific Northwest and achieves at least 50% coverage in areas not covered by tree canopy.

Finding 38: Per WMC 17.44.135 (E), trees shall have a minimum diameter or caliper measured at four feet above grade of two inches or greater at time of planting and shall be densely planted as certified by a certified landscaping professional.

Finding 39: Of the trees listed on the preliminary landscape plan, the fastigiate beech, Persian parrotia, and pyramidal European hornbeam are listed at a 2" caliper. The excelsa cedar and shore pine are listed as being 6-7ft in height, however no caliper measurement is given. A condition of approval has been added that the final landscaping plan provided as a part of the civil review process shall provide caliper measurements of all proposed tree plantings. However, staff acknowledges that available stock from nurseries can vary and strictly adhering to 2-in. caliper may be challenging. The proposed plant schedule is acceptable if they remain close to size requirements. (*See conditions 16 and 17*)

Finding 40: Per WMC 17.44.135 (F), shrubs shall be planted from a five-gallon container or larger at the recommended spacing as certified by a certified landscaping professional.

Finding 41: All proposed shrubs are indicated to be 5-gallons or larger tubs. However, there is a wide variety of shrubs proposed. The proposed plant schedule and shrub sizes can comply with WMC 17.44.135 (F) based on provided preliminary landscape plan.

Finding 42: Per 17.44.135 (I), the use of drought-tolerant plant species is encouraged and shall be required when irrigation is not available. Irrigation will be provided according to note 1 on the landscaping plan.

Finding 43: Per WMC 17.44.136 (B), in the front yard landscaping area, trees, shrubs, and plant ground cover should be planted along the entire road frontage area and meet the requirements of WMC 17.46.

Finding 44: The proposed plantings in the front yard setback meet the requirements of WMC 17.44.136 (B). A row of trees and shrubs are indicated running along the front setback.

Finding 45: Per WMC 17.44.136 (F), a minimum of ten percent of the total surface area of all proposed parking areas, as measured around the perimeter of all parking spaces and maneuvering areas, shall be landscaped. The preliminary landscaping plan does not provide a calculation for parking lot area or parking lot landscaping percentage. A condition of approval has been adding that final landscaping plan provide the calculation for parking lot area and parking lot landscaping percentage. (*See condition 18*)

Finding 46: At a minimum, one tree per five parking spaces shall be planted to create a partial tree canopy over and around the parking area. All parking areas with more than twenty spaces shall include landscape islands with trees at both ends and in between to break up the parking area into rows of not more than ten contiguous parking spaces.

Finding 47: The proposed parking lot consists of 29 parking spaces and 14 trees, which exceeds the 6 trees required to meet this standard. Landscaping islands are indicated that generally comply with WMC 17.44.136 (F)(2) with trees flanking the parking islands and in between rows of parking.

Finding 48: Per 17.44.136 (G), all mechanical equipment, outdoor storage and manufacturing areas, service and delivery areas, garbage receptacles and recycling containers shall be fully screened from view from all public streets and adjacent nonindustrial zoning district(s) and/or use(s) in a manner which is architecturally integrated with the structure. Such screening shall be a minimum of six feet provided by a decorative wall (i.e., masonry or similar quality material), evergreen hedge, opaque fence complying with the standards of this section, or a similar feature that provides an opaque barrier.

Finding 49: Plans provided along with the site plan review application outline that all mechanical equipment, outdoor storage and manufacturing areas, service and delivery areas, garbage receptacles and recycling containers are fully screened from view with appropriate fencing and landscaping. (*See condition 19*)

Conclusion: As conditioned, the proposal can comply with these standards.

Lighting | WMC 17.44.140

Finding 50: The operator shall be responsible for ensuring that lighting is installed and arranged to ensure that no reflection or glare shall conflict with the readability of traffic signs or control signs. Lighting shall also not rotate, glitter, or flash per WMC 17.46.140. (*See condition 20*)

Conclusion: As conditioned, the proposal can comply with these standards.

Site Standards | WMC 17.44.160

Finding 51: All buildings and yards shall be maintained in a neat and orderly manner. Landscaping shall be maintained in a healthy, presentable state. (*See condition 21*)

Conclusion: As conditioned, the proposal can comply with these standards.

Performance Standards | WMC 17.48

Finding 52: The requirements of this section cover hazards and nuisances including sound level, vibration, air emissions, smoke, dust, odors, industrial wastes, fire hazards, heat, glare, radioactivity and radio transmitters.

The applicant will be responsible for ensuring that their operation is complying with all performance standards. (See condition 22)

Conclusion: As conditioned, the proposal can comply with this standard.

Fire Safety

All buildings must be constructed in accordance with WA Building and Fire Codes. Plan revisions and building plans must be submitted directly to Clark-Cowlitz Fire Rescue (CCFR) for fire review.

Finding 53: Applicant is required to receive CCFR site plan approval and comply with all comments and/or conditions. (*See condition 23*)

Finding 54: Building construction plans shall be submitted to CCFR separately, along with any fire alarm and/or fire sprinkler alterations. (*See condition 24*)

Conclusion: As conditioned, the proposal can comply with Fire Code.

Building

The City has adopted the 2018 edition of the International Building Code (IBC) through WMC Title 14. All commercial building review is conducted by Townzen & Associates.

Finding 55: The site plan shows two ADA parking spaces. These meets building code requirements.

Finding 56: Per Washington State Code 51-50-0429 Section 429, electric vehicle charging infrastructure must be provided for at least ten percent of provided parking spaces. For the proposed 29 parking spaces, this would require 3 EV spaces be available while two are listed on provided site plan. One EV charging space must be an ADA-compatible space, one of which is indicated on provided preliminary site plan. A condition has been added that one more EV space must be added to final engineering. (*See condition 25*)

Finding 57: Geotech report requirements and recommendations are required to be incorporated into the design of the project. (*See condition 26*)

Finding 58: The building will be required to comply with WSEC Section C411 (Solar Readiness). (*See condition 27*)

Finding 59: The project will be required to meet ventilation requirements of IMC SEC 502 related to charging and storing batteries. (*See condition 28*)

Finding 60: HVAC, storefront and plumbing are required to be included at plan submittal and are not deferrable items. A condition is added to meet these requirements. *See* (*condition 29*)

Finding 61: WMC 17.52.080 outlines the City of Woodland's requirements for any signage within industrial (I-1 or I-2) district. Per WMC 17.52.080 it is the applicant's

responsibility to apply for the separate sign permit(s) for any signage proposed. (See condition 30)

Conclusion: As conditioned, the proposal can comply with Building Code.

Engineering

All engineering is reviewed by Gibbs & Olson, the City's engineering services consultant. Notes have been provided by Ryan Walters, who serves as the City Engineer.

Finding 62A: Applicant is responsible for taking appropriate action to address concerns expressed by the associated engineering memo prepared by Ryan Walters, P.E. with Gibbs & Olson and dated 05/27/2022.

Finding 62B: Findings and conditions associated with the preliminary review have been integrated into this staff report under the following subjects;

- WMC 3.42: Development Impact Fees
- WMC Title 12: Streets and Sidewalks
- WMC Title 13: Water and Sewage
- WMC 15.10: Erosion Control
- WMC 15.12: Stormwater Management

Conditions have been added that the applicant must adhere to provided engineering comments, and that the applicant shall provide responses acknowledging the submitted comments. (*See conditions 31 and 32*)

Washington Department of Ecology Comments

Finding 63: Applicant is responsible for taking appropriate action to address concerns expressed by the memo prepared by the Washington State Department of Ecology and dated May 12th, 2022:

- Ecology was concerned with mapped wetlands that were previously present and requested further documentation be provided.
- Ecology requested that all grading and filling of land utilize only clean fill and all removed debris be disposed of at an approved site.
- Ecology requires all erosion control measures be put in place and fully functional prior to any clearing, grading, and/or construction activities.

A condition of approval has been added that the applicant must adhere to the requirements expressed by the Department of Ecology. (*See condition 33*)

Finding 64: Applicant provided ecology with further documentation that addressed concerns over wetlands. This included documentation of applicable Department of Ecology and U.S. Army Corps of Engineers permits permitting the clearing of wetlands on the project site, along with City permitting (FGR-17-003) to perform the work required to clear identified wetlands. This further documentation addressed ecology's concerns.

Conclusion: Applicant can comply with comments provided by the department of ecology.

Citizen Comments

Finding 65: David Simpson, a local resident, and the owner of an adjacent property, provided two comments specific to this project, the first through a phone call on approximately May 5th, 2022, and the second through an email on May 10th, 2022.

Finding 66: David Simpson, the owner and operator of Burris Creek Mini-Storage on Robinson Road, which is adjacent to the rear of the proposed site of development, expressed two primary concerns:

- Concern over procedural errors on the part of the city, which were addressed with the revised Notice of Application and reopening of the comment period on May 11th, 2022.
- Concerns over the applicant's stormwater detention system, specifically that
 proposed stormwater detention pond located at the rear of the property does
 not have the capacity to ensure that on-site detention does not spill over to
 adjacent properties through an identified emergency overflow.

Finding 67: Our engineering team was provided these specific comments and has completed their review of the engineering documentation provided (See finding 61), including provided preliminary Stormwater TIR, civil plans, and preliminary site plan. Based on their review and comments, it is believed that the applicant can adequately address all engineering concerns addressed, and provide any applicable revisions required to be consistent with WMC chapter 15.12, and the 1992 Stormwater Management Manual for the Puget Sound.

Finding 68: While, as stated above, the City has determined provided stormwater plans to be acceptable and provided comments so that the applicant can provide a final TIR along with other documentation that is fully compliant with city standards, the applicant is strongly encouraged to take the opportunity to start a dialogue with Mr. Simpson and other neighbors in the interest of addressing their concerns. The city would be more then happy to help open lines of communication, if requested.

Preliminary Site Plan Approval | WMC 19.10.070

Finding 69: The applicant submitted a preliminary site plan. Per WMC 19.10.070, the applicant is required to submit for final civil plan approval and submit a final site plan application. (*See conditions 34 and 35*)

Conclusion: The preliminary site plan can be approved with conditions.

III. COMPREHENSIVE PLAN REVIEW

Land Use: Under the City of Woodland Comprehensive Plan, as established in 2016, the purpose and primary goal of our established Comprehensive Plan Land Use Map is to protect and enhance the character and long-term stability of the city through current standards for land development and subdivision utilizing proper and clear zoning policy.

Finding 70: The proposed development is located within the light industrial district as defined by the Comprehensive Plan, the purpose of which is to designate areas primarily for light manufacturing, distribution, sales and services, research, and office space.

Conclusion: Proposed development under consideration is proposed as a 15,050 SF warehouse and distribution site for golf carts with an on-site office structure, uses which are consistent with its Light Industrial (I-1) zoning within the Comprehensive Plan Land Use Map.

Transportation: Under the Comprehensive Plan's Transportation outline, the primary goal of the established transportation planning process is to facilitate the implementation and expansion of a convenient, safe, and efficient transportation system that promotes the mobility of people and goods within and through the city.

Finding 71: The proposed development offers roadway connections within the city road network, as well as facilitate the transportation of goods locally.

Conclusion: Proposed development under consideration is consistent with the goals and policies outline within the Comprehensive Plan's Transportation outline.

Economic Development: Under the Comprehensive Plan's Economic Development Outline, the primary goal of the established economic development planning process is to continue to foster economic growth within those industries that have sustained the community and to foster re-investment in the city center, with the intention of balanced economic growth.

Finding 72: The proposed development is a warehousing and distribution site with an on-site office, which is consistent with other industries within the light industrial zoning district, establishing continued economic growth within an established industry.

Finding 73: The proposed development is in line with providing a balanced economy between industrial and commercial uses, as it would promote diversification of our economic balance following recent major commercial developments while also attracting more business through customers and employees of the new development.

Conclusion: Proposed development under consideration is consistent with the goals and policies of the Comprehensive Plan's Economic Development outline.

Environment: The primary goal of the Comprehensive plan's Environmental outline is to ensure that the City of Woodland remains an effective steward of the environment, protects critical areas, and conserves land, air, water, cultural, and energy resources.

Finding 74: The proposed development has been submitted for a SEPA review, as well as generally providing required economic protection documentation as outlined in the Woodland Municipal Code.

Conclusion: Proposed development under consideration is consistent with the goals and policies of the Comprehensive Plan's Environmental outline.

IV. ENVIRONMENTAL REVIEW

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request. This Determination of Non-significance (DNS) is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.

V. DECISION

Per WMC 19.08.030, the above application for the preliminary Site Plan Review has been **APPROVED WITH CONDITIONS** by the City of Woodland's Development Review Committee (DRC) based on the criteria and standards outlined in Woodland Municipal Code (WMC). *See Section VII for conditions of approval.*

VI. CONDITIONS OF APPROVAL

- 1. The following impact fees have been estimated based on the first phase of the preliminary application and will be due at time of building permit issuance:
 - a. Fire Impact Fees:
 - i. Commercial: \$7,675.50 (\$.51 per square foot of commercial space).
 - b. Transportation Impact Fees:
 - i. Commercial 7.7 peak hour trips X \$838 per trip = \$6452.60.

Water and sewer assessment fees are required based on meter size in accordance with the Woodland rate schedule.

- 2. All impact fees are charged with building permit issuance. All provided calculations are estimated and subject to change.
- 3. Final landscaping plan is required to identify proposed street trees. All proposed street trees, whether Fraxinus americana or otherwise, must be a permitted street tree per City of Woodland standards.
- Applicant shall construct all required streetlights, and any other required frontage improvements, along their frontage on Schurman Way in conformance with City of Woodland Engineering Standards as found: <u>https://www.ci.woodland.wa.us/publicworks/page/construction-standards.</u>
- 5. Applicant shall utilize existing water and sewer stubs for connection if possible and permanently abandon any service stub that are not used.
- 6. Comply with water supply backflow and cross-connections requirements of WMC 13.28.
- 7. The fire mains shall be public mains with a 15-foot wide easement to the City.
- 8. A final utility plan is required with civil plan submittal. Final utility must show proposed location, size, connection points to existing public systems and terminus points for sanitary sewer, water, and stormwater drainage. Public and private easement for all utilities shall be indicated.
- 9. A NPDES permit from the Department of Ecology is required in cases in which more then one acre is being disturbed.
- 10. A final erosion control plan will be required with final engineering plans. The applicant is required to install and maintain erosion control measures per the best management practices as outlined in WMC 15.10.
- 11. Revise the proposed construction entrance as directed to ensure accordance with WMC.

- 12. A Final Stormwater Technical Information Report (TIR) is required that complies with WMC 15.12 and the 1992 Stormwater Management Manual for the Puget Sound Basin as adopted by the City of Woodland and addresses the following concerns:
 - a. Add 25-year, 24-hour storm values to Table 1 and Table 2.
 - b. Revise the HydroCAD model for 2-foot-wide swale bottom or revise plans to show 2.5-foot-wide swale bottom.
 - c. Provide under drains for the biofiltration swales.
- 12b.Final Stormwater TIR submitted for Civil review shall demonstrate that all stormwater will be managed completely on site and that no stormwater will be conveyed, dumped, or otherwise spill over onto any adjacent property per WMC 15.12.100(A)(6).
- 13. Applicant shall provide required information regarding projected employment at prior to civil review to confirm compliance with parking lot requirements.
- 14. A final landscaping plan meeting all requirements within WMC 17.44.133 is required to be submitted alongside the final site plan application prior to final approval. Final landscaping plan must include tabulations showing the area and percentage of the following:
 - a. Entire site;
 - b. Total landscaping area(s);
 - c. Areas covered by groundcover;
 - d. Areas covered by nonplant materials;
 - e. Areas covered by tree canapy and/or shrubs;
 - f. Each required setback area;
 - g. Total parking area;
 - h. Parking lot landscaping; and
 - i. Other landscaping areas.

Final approval will not be given until the final landscaping plan has been approved.

- 15. Approved landscaping plan must be implemented as approved prior to occupancy of the building.
- 16. The City of Woodland should be informed of any changes to the approved landscaping plan, including changes in coverage, street trees, and/or tree, shrub, or ground cover proposed.
- 17. Final landscaping plan provided alongside civil review must provide the diameter of all proposed trees and comply with WMC 17.44.135 (E).
- 18. Final landscaping plan must provide accurate calculations (in square feet and percentages) for parking lot area and parking lot landscaping.

- 19. All mechanical equipment, outdoor storage and manufacturing areas, service and delivery areas, garbage receptacles and recycling containers must be fully screened from view of all public streets and adjourning nonindustrial zoning district(s) and/or use(s) per the requirements of WMC 17.44.136 (G).
- 20. Final photometric plan is required with civil review submission. Lighting shall not rotate, glitter, and/or flash per WMC 17.46.140.
- 21. It is the responsibility of the property owner to ensure that all buildings and yards are maintained in a neat and orderly manner.
- 22. The applicant will be responsible for ensuring that their operation is complying with all performance standards of WMC 17.48 (hazards and nuisances including sound level, vibration, air emissions, smoke, dust, odors, industrial wastes, fire hazards, heat, glare, radioactivity and radio transmitters).
- 23. Submit site plan to CCFR for review. Include any required revisions with the civil engineering submission. All work subject to field inspection and correction as identified at the time of the on-site inspection; all work shall be compliant with the applicable standards and codes; to include the adopted edition of the International Fire Code and the City's Municipal Code.
- 24. Building/construction plans must be submitted to CCFR separately, along with fire alarm and/or fire sprinkler alterations. It is the responsibility of the applicant to comply with any and all conditions placed upon the development by CCFR as the City of Woodland will not approve any proposed development without CCFR approval.
- 25. One additional EV charging parking space must be indicated on final engineering plans and installed prior to receiving their certificate of occupancy consistent with WAC 51-50-0429, and installed alongside construction of the proposed parking area.
- 26. Geotech report requirements and recommendations are required to be incorporated into the design of the project.
- 27. Final building and engineering plans must show compliance with solar readiness requirements of Washington State Energy Code section C411.
- 28. Final building and engineering plans must show compliance with all ventilation requirements of the International Mechanical Code section 502 as related to the charging and/or storage of battaries.
- 29. HVAC, storefront, and plumbing are required submittals to be included at plan submittal and are not deferable items.
- 30. All proposed signs must comply with the standards of WMC 17.52.080 governing signage in industrial districts, and will require separate sign permit(s).

- 31. It is the applicant's responsibility to make any relevant revisions based on provided engineering comments. Refusal to address concerns brought up within the provided engineering notes, as well as further feedback provided as a part of the Civil review process, may lead to delay of approval as well as increased financial costs. If the applicant believes any comments were made in error, these concerns should be brought up so they can be addressed.
- 32. Applicant shall provide responses acknowledging and responding to (if required) the submitted engineering comments with their submission for Civil Review, and any subsequent review.
- 33. It is the applicant's responsibility to make any relevant revisions and/or acquire any relevant permits based on provided comments from the Department of Ecology.
- 34. Applicant is responsible for submitting a revised site plan alongside proposed final civil engineering plan(s) at Civil Review. Civil review packet should include all documents required to document the applicant's compliance with listed conditions of approval, as well as all revised engineering plans reflecting provided engineering comments. The civil review application can be found: https://www.ci.woodland.wa.us/planning/page/civil-review-submission.

Following final, civil review and engineering approval, submit two (2) copies of full sized and one (1) copy of reduced size $(11'' \times 17'')$ of the approved civil plans (including the final site plan and landscaping plan). In addition, submit an electronic version of the approved plans including AutoCAD and .pdf formats.

35. Payment shall be made to the City for any outstanding Professional Consulting Services per Woodland Ordinance 1097.

VII. APPEAL PROCEDURE

As per WMC 19.08.020 and 19.08.030, this Notice of Decision may be appealed to the Hearing Examiner within 14 days of the date this decision is issued. The appeal with grounds for appeal in writing shall be submitted to the Community Development Department **by 5:00 p.m., June 15th, 2022.**

Staff Contact: David Lukaczer, Associate Planner City of Woodland P.O. Box 9 230 Davidson Ave Woodland, WA 98661 lukaczerd@ci.woodland.wa.us

VIII. NEXT STEPS

If there is no appeal to the decision, the applicant may move forward to develop the site.

- Submit final civil plans addressing the conditions above. Include Woodland standard details for water, sewer, erosion control, etc. as required to support the civil design when you submit drawings for final civil approval.
 - a. The details can be found at <u>www.ci.woodland.wa.us/departments/public-</u> works/standards.php.
 - b. Submit final civil plans to: <u>https://woodlandwa.seamlessdocs.com/f/civil_review</u>
- Once civil plans are approved:
 - a. Upload approved plans to Clark County Fire and Rescue for electronic signature: www.clarkfr.org. Print the plans once signed.
 - b. Contact Public Works to arrange for signature: 360-225-7999. Then, bring plans signed by Clark County Fire and Rescue to Public Works for signature.
 - c. Provide a .pdf to Public Works of signed plan set.
- Submit building, grading, and sign permits online: www.ci.woodland.wa.us/documents/
 - a. Contact Janice Fisher, Permit Technician, for assistance: 360-225-7299.
 - b. Pay any outstanding professional consulting services per Woodland Municipal Code, Ordinance 1097.
- Schedule a pre-construction meeting before beginning any construction activities. Contact Public Works at 360-225-7999 to schedule.
- Install all required landscaping and irrigation prior to applying for final occupancy.
- Submit one full-sized and one copy of reduced size (11" x 17") as-built drawings. In addition, submit a CD/thumb drive containing the as-built drawings in AutoCAD and pdf formats prior to applying for final occupancy.

Date:	
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Signature:

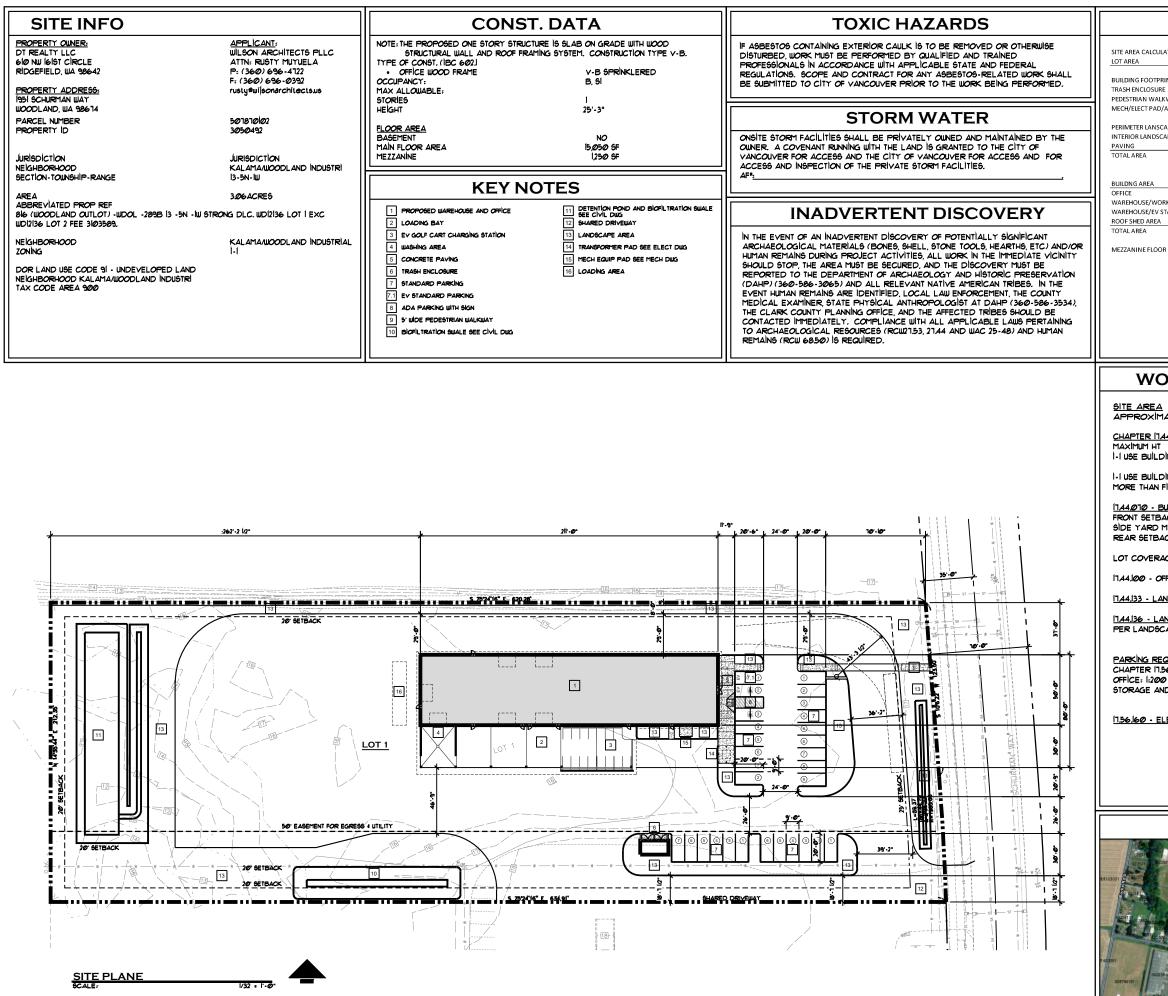
David Lukaczer, Associate Planner

cc: Applicant Parties of Record File Website Mayor City Administrator

ATTACHMENTS

A. Site Plan

Attachment A Site Plan



SITE CALCULATIONS

CULATION				
	133,293.60	SF	PERCENTAGE	%
TPRINT/COVERED SHED ROOF	15,050.00	SF	11.29%	%
SURE	200.00	SF	0.15%	%
ALKWAY	1,080.00	SF	0.81%	%
AD/APPRON	318.00	SF	0.24%	%
				%
NSCAPE AREA	37,284.00	SF	27.97%	%
DSCAPE	4,923.00	SF	3.69%	%
	74,438.60	SF	55.85%	%
	133,293.60	SF	100.00%	%

1	
	3,675 SF
WORK AREA	3,125 SF
EV STATION	3,750 SF
REA	4,500 SF
	15,050 SF

1.250 SF

FLOOR	1,250 SF	
		SITE PLAN REVIEW 04-13-22
VOODLAND MUNICIPAL C	ODE	R E
REA IXIMATE AREA INFO; (3.06 ACRES) R 1144 - LIGHT INDUSTRIAL DISTRICT (1-1) 1 HT 45 F XILDINGS (MAXIMUM HT) VILDINGS (MAXIMUM HT) VILDINGS (MAXIMUM HT) VILDINGS (MAXIMUM HT) VILDINGS (MAXIMUM HT) VILDING SETBACKS, ETBACK 10 F - BUILDING SETBACKS, IF DACK 10 F - BUILDING SETBACKS, - LANDSCAPE PLAN REQUIREMENTS, - LANDSCAPE PLAN - LIJ IF DACK 10 F - BUILDING SETBACKS, - LANDSCAPE DESIGN AND SCREENING REQUIREMENTS, - LANDSCAPE PLAN - LIJ IF DACK 10 F - BUILDING SETBACKS, - LANDSCAPE DESIGN AND SCREENING REQUIREMENTS, - LANDSCAPE DESIGN AND SCREENING STATION SPACES, - ELECTRIC VEHICLE CHARGING STATION SPACES, - ELECTRIC VEHICLE CHARGING STATION SPACES,	T T T	WAREHOUSE & OFFICE WAREHOUSE & OFFICE 1951 SCHURMAN WAY WOODLAND, WA 98674 WOODLAND, WA 98674 SITE PLAN SITE PLAN
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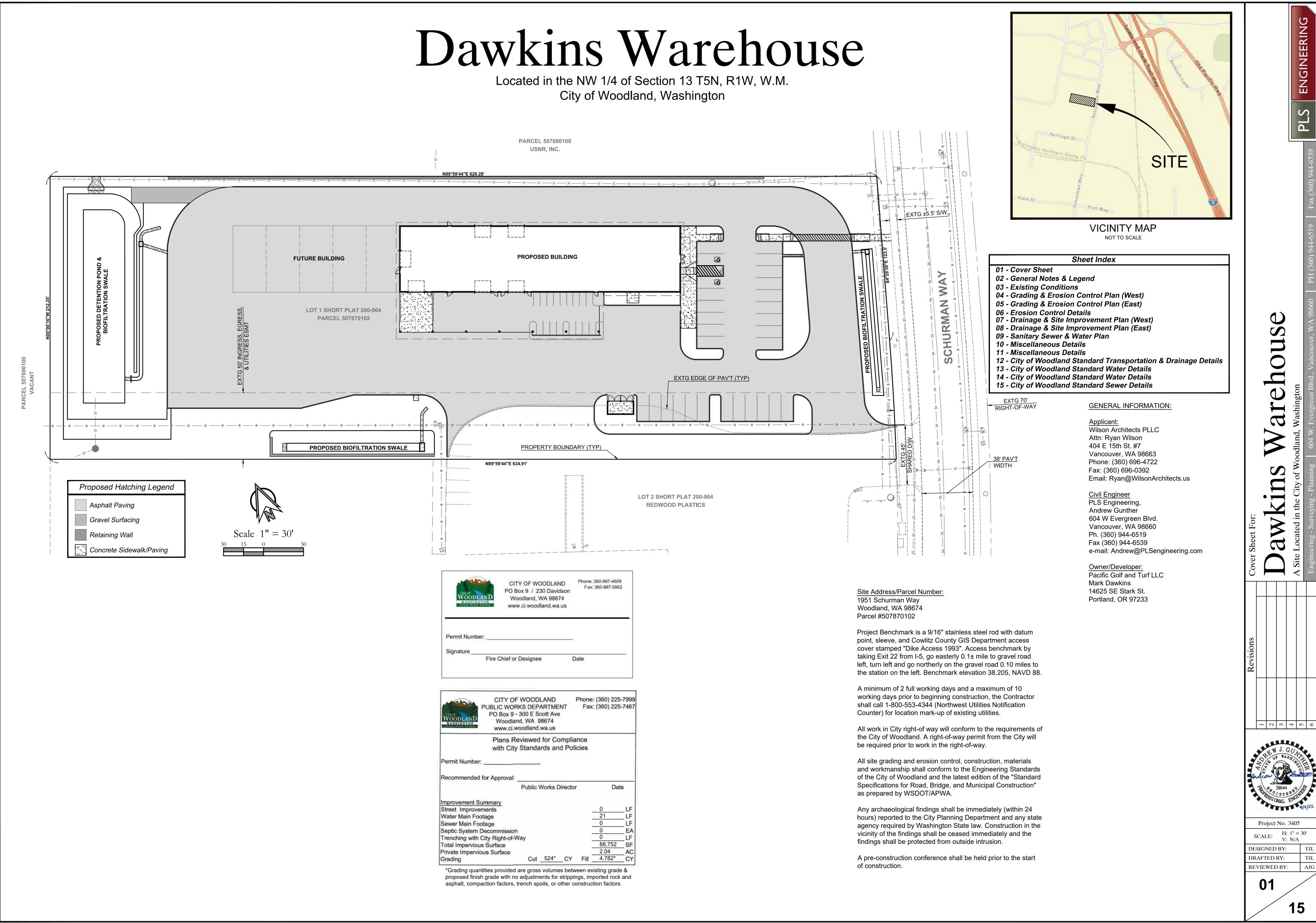
ARCHITECTS, PLLC 404 E 15th ST. #7 VANCOUVER, WA.

98663

(360) 696-4722

ARCHITECT

STATE OF WA



GENERAL NOTES

Existing utilities shown on the plans are based on information from the project topographic survey and no guarantee is implied as to location accuracy and the existence or nonexistence of other utilities. Contractor shall field locate all existing utilities prior to construction.

All construction, materials, and workmanship shall conform to the latest edition of "Standard Specifications for Road, Bridge and Municipal Construction" prepared by WSDOT/APWA, and the standards and practices of the City of Woodland Department of Public Works.

All pavement shall be straight cut prior to paving. Existing pavement shall be removed as necessary to provide a smooth transition for both ride and drainage.

Any existing utilities or paving damaged in the course of completing the construction shall be repaired at the contractor's expense.

Contractor shall report all damages immediately to the project engineer at (360) 944-6519 or contact the inspector on the job. Any damage to structures in the public right-of-way will need to be repaired to City of Woodland Transportation standards.

A minimum of 48 hours prior to beginning construction, the Contractor shall call 1-800-424-5555 (Utility Coordinating Council) for location mark-up of existing utilities.

There are no known wells or septic systems on site. Should any be encountered during construction, they shall be properly abandoned in accordance with Cowlitz County Public Health and Washington State Department of Ecology requirements.

The contractor shall keep a legible approved set of plans on the project site at all times.

The contractor shall perform all work necessary to complete this project in accordance with the plans including such incidentals as may be necessary to meet applicable agency requirements.

The contractor shall maintain full compliance with all safety and pollution regulations as applicable to the project including compliance with the inspection and reporting requirements of the Construction Stormwater NPDES permit issued by the Washington Department of Ecology for this project.

Disprepancies between these drawings and actual field conditions should be reported to the engineer who will address the resolution of such discrepancies. Work done by the contractor after discovery of discrepancies is completed at the contractor's risk.

Any significant deviations from the plans will require a request from the applicant's engineer and approval by the City's engineer.

The applicant may be required to provide flagging, signs, and other traffic control devices for safe truck access onto public streets. All such devices shall conform to the standards established in the latest adopted edition of the "Manual on Uniform Traffic Control Devices"(MUTCD) published by the U.S. Department of Transportation and the Modifications to the MUTCD for Streets and Highways for the State of Washington.

If any cultural resources are discovered in the course of undertaking a development activity, construction shall stop immediately and the Office of Archeology and Historic Preservation in Olympia and the City of Woodland Public Works department shall be notified. Failure to comply with these requirements may constitute a Class C felony, subject to imprisonment and/or fine.

The property owner/developer shall be responsible for obtaining all applicable permits including but not limited to permits for hydrostatic tests and dewatering discharges prior to commencing construction.

A preconstruction conference is required with the City of Woodland Public Works before utility or site construction begins.

See the detail sheets in this plan set for additional standard City of Woodland construction notes and requirements.

SITE GRADING AND PAVING

The contractor shall review and follow the recommendations in the Geotechnical Engineering Study dated June 17th, 2011, prepared specifically for this site by Geotechnical & Environmental Services Inc. The report includes requirements for stripping, scarification of the till zone, structural fill materials and compaction requirements, building pad preparation, and other construction elements.

Site grading activities should be performed in accordance with requirements specified in the 2021 International Building Code (IBC), Chapter 18 and Appendix J, subject to any exceptions identified by the project geotechnical engineer or identified in the site-specific geotechnical report.

All excavations should be made in accordance with applicable Federal and State **Occupational Safety and Health Administration regulations.**

Site preparation, soil stripping, and grading activities should be observed and documented by an experienced geotechnical engineer or designated representative. Imported materials shall be approved by the geotechnical engineer prior to their use as fill material.

Finished subgrade conditions shall be approved by the project geotechnical engineer prior to the placement of any fill materials. Method of subgrade approval shall be at the discretion of the geotechnical engineer and may require a loaded dump truck for performance of a proof-roll.

SITE GRADING AND PAVING (CONTINUED) Fill areas shall be structurally filled with surplus suitable materials from cut areas or imported structural fill. Select materials shall be placed in fill areas in lifts not to exceed 8" (compacted depth of lift). Each lift shall be compacted per the recommendations of the geotechnical report. Fill materials should be free of organics, and rock fragments in excess of 6" in dimension.

recommendations.

For general site grading; contour lines, spot elevations and general drainage flow defined by slopes and swales have been shown. The elevations shown are minimum elevations required to promote drainage in a controlled drainage pattern. Any deviation from this grading plan shall first be coordinated with the Engineer.

Contractor shall comply with all City of Woodland requirements such as; maintaining and/or updating the erosion control plan as necessary to control site erosion, providing a schedule of construction operations and any other pertinent data relative to site earth work.

At the end of the grading operation, the stockpiled strippings shall be distributed on the landscape areas in a compacted depth not to exceed 12".

owner.

All surfaces shall be graded smooth and free of irregularities that might accumulate surface water unless otherwise indicated on the grading and/or stormwater plans.

All grading operations and disturbed surface stabilization shall be in accordance with the project Grading & Erosion Control Plan.

The contractor shall remove all silt and debris resulting from this work which has been deposited in drainage facilities, roadways and other areas immediately after each rainfall event. The cost incurred for any necessary remedial action shall be payable by the contractor.

Best management practices (BMP) shall be employed at all times to the maximum extent practicable to prevent damage by sedimentation, erosion or dust to streams, water courses, natural areas and the property of others.

STORM SEWERS Storm pipes shall be the size identified on the plans and shall be installed at the slope and elevation specified.

Materials for storm sewer pipes and rain drain piping shall be Corrugated Polyethylene Storm Sewer Pipe per WSDOT Specifications Section 9-05.20, except where otherwise specified as ductile iron or PVC C-900 pipe due to reduced cover conditions.

Trench excavation shall meet the requirements of the City of Woodland Public Works **Engineering Standards for Construction.**

On-site (private) storm sewer pipe bedding and backfill shall comply with Woodland details D-15 and D-16 on sheet 12 unless alternate bedding and/or backfill materials are approved by the project geotechnical engineer.

The stormwater facilities shall be privately owned and maintained.

The approximate location of roof drain downspouts and piping based on preliminary architectural drawings is shown on the plans. The contractor shall coordinate the exact location of roof drains with the project plumbing and/or building plans. Cleanouts shall be installed on all roof drain piping as required to comply with the Plumbing Code.

EROSION AND SEDIMENT CONTROL Approval of this Erosion and Sediment Control (ESC) plan does not constitute an approval of permanent road or drainage design.

The implementation of these ESC plans and the construction, maintenance, replacement, and upgrading of the ESC facilities is the responsibility of the contractor until all construction is completed and approved, and vegetation is established.

The ESC facilities shown on this plan must be constructed in conjunction with all clearing and grading activities, and in such a manner as to ensure that sediment and sediment laden water do not enter the drainage system or roadways or violate applicable water standards.

Care should be taken to not disturb more area than needed for construction requirements. All disturbed soils surfaces are to be stabilized. Stabilization of disturbed soil areas will consist of: hydroseeding or handseeding, mulching, placing of erosion control blankets or plastic in landscaping soil areas. It will also consist of paving and concrete work in driving, parking and sidewalk areas. All seeded areas are to be fertilized, watered and maintained to enhance the immediate regrowth of vegetation.

Material stockpiles are to be protected from precipitation by the following means: • Temporary - cover piles with tarps or plastic sheeting weighted with tires, lumber or concrete blocks.

All compaction work shall be done per the geotechnical engineer's

All deleterious materials generated during site grading and strippings not utilized in the final ground cover operation shall be hauled from the site to a contractor provided legal and permitted waste/dump site unless otherwise agreed upon with the

Storm catch basins shall be fitted with an approved trap per the detail sheet 11.

• Permanent - cover piles with tarps or plastic, or reseed. Perimeter areas around piles are to be surrounded with erosion control filter fabric fences until soils surface is stabilized with reseeding.

EROSION AND SEDIMENT CONTROL (CONTINUED)

The ESC facilities shall be inspected daily by the contractor and main necessary to ensure continuous functioning. Inspection and mainten include, but not be limited to:

- Removal of trapped silts at silt barriers, silt traps, or points of account of the second seco
- Additional protective measures, as required, due to job site cond Monitoring of vehicles leaving the site to minimize transmission soils to the adjacent public roadways and private pavement area contractor shall actively work to minimize travel between unstabi and adjacent road and parking areas to minimize the likelihood of transport to existing paved surfaces.

If sediment is transported onto a paved surface, the surface is to be o thoroughly at the end of each day during dry weather and immediate rain events.

The ESC facilities on inactive sites shall be inspected and maintained minimum of once a month or within the 24 hours following a storm ev

At no time shall more than one foot of sediment be allowed to accum a trapped catch basin. All catch basins and conveyance lines shall be prior to paving. The cleaning operation shall not flush sediment lade the downstream system.

This sedimentation and erosion control plan is intended to be utilized to control the transportation of loose soils from the property that cau quality and nuisance problems outside of the construction area.

Depending upon the Contractor's construction practices, some portio proposed erosion control plan may be varied according to the job sit All changes to the plan must be reviewed and approved by the Engin adjustment.

See sheet 06 for the City's standard erosion control notes which also this project.

SANITARY SEWER CONSTRUCTION NOTES

Sanitary sewer laterals shall be 6" in size, installed at a minimum slop ft/ft unless otherwise noted. Materials shall be ASTM D3034 .

Prior to backfilling sewer service lateral ends, the Contractor shall no engineer in a timely manner so that construction "Record Drawing" in may be gathered. If the Contractor backfills prior to the gathering of information, the Contractor shall be required to expose the ends of service laterals and sewer main cleanouts.

Bedding and backfill for sanitary sewer construction shall be per City of Woodland Standard Detail S-02.

See the sheet 15 for additional City of Woodland Standard Sewer notes.

			Master Symbol Legend	
			Existing Fire Hydrant	ŞÇ
			Existing Property Corner	•
			Existing Sanitary Sewer Manhole	(Ŝ)
			Existing Storm Catch Basin	
			Existing Storm Manhole	
	Linetype L	_egend	Existing Area Drain	
	Eviating Dood Dight of Way		Existing Water Meter	⊞
	Existing Road Right-of-Way		Existing Water Valve	WV L×1
	Existing Road Centerline		Existing Water Manhole	Ŵ
	Existing Property Line		Existing Telephone Vault	ΓT.
	Existing Pavement Edge		Existing Power Meter	PN
	Existing Sanitary Sewer		Existing Guy Wire	\leftarrow
	Existing Waterline Existing Storm Sewer		Existing Power Pole	-0-
	Ū.		Existing Power Pole w/Underground	-•-
	Existing Telephone Line Existing Overhead Power		Existing Street Light	¢
	Existing Gas		Existing Street Light & Underground Power	+
	Existing Chain Link Fence		Existing Telephone Riser	
	Existing Cyclone Fence		Existing Gas Meter	0
	Existing Wood Fence		Existing Stand Pipe	0
	Existing Sidewalk		Existing Power Riser	
	Existing Electric Line		Existing Street Sign	
	Existing Ground Contour	100	Existing Coniferous Tree	
			Existing Deciduous Tree	\sim
	Proposed Property Line			
	Proposed Storm Line		Proposed Sanitary Cleanout	0
Proposed Hatching Legend	Proposed Rain Drain	RD RD RD RD	Proposed Water Meter	$\overline{}$
	Proposed Sanitary Lateral		Proposed Water Double Check Valve	-
Asphalt Paving	Proposed Water Pipe		Proposed Fire Hydrant	
Gravel Surfacing	Proposed Water Service		Proposed Area Drain	0
Rotaining Wall	Proposed Curb		Proposed Storm Cleanout	•
Retaining Wall	Proposed Edge of Pavement		Proposed Roof Down Spout	•
Concrete Sidewalk/Paving	Proposed Contour		Proposed Storm Catch Basin	

	WATER SYSTEM CONSTRUCTION NOTES		ENGINEERING
intained as nance shall	Water system construction, materials, and workmanship for pipes 4" diameter and larger shall conform to the "2022 Standard Specifications for Road, Bridge & Municipal Construction" prepared by the		IN EE
ccumulation. Iditions. I of loose	WSDOT/APWA, and the City of Woodland Public Works Engineering Standards for Construction.		U U U U U
as. The bilized areas of sediment	The contractor is responsible for verifying size, location, and material of all existing utilities prior to construction and notifying the engineer of discrepancies affecting the constructibility of the design.		۲S
cleaned	Private water service line construction and materials shall be compliant with the latest version of the International Plumbing Code.		D _6
ely during	Minimum pipe cover shall be 36" for all waterlines.		4-653
ed a event.	Pipe bedding and backfill for waterlines shall be completed per the City of Woodland standard detail W-13 on sht 14.		(360) 944-6539
nulate within be cleaned en water into	The City of Woodland Public Works Department shall be notified 24 hours in advance of making connection to the existing water system.		Fax
ed as a guide use water	Thrust blocks shall be poured against firm, undisturbed soils. If there are any locations on this site where it is not feasible to pour the thrust block against undisturbed soils, then the thrust blocks shall be supplemented or replaced by the use of restrained joints.		60) 944-6519
ions of the	All mechanical joint fittings shall include Megalug or approved equal restraints.		PH (3
ite condition. neer prior to	All valve boxes, cleanouts, etc. shall be adjusted to finish grade.		260
o apply to	Location of connections of water lines to the building plumbing system should be considered approximate. The contractor shall coordinate actual connection locations with the building plumbing plans.	ISC	Vancouver, WA 98660
ope of 0.01	DCVA's shall be selected from the Washington State Department of Health's approved list of backflow prevention devices.	ous	Vancouv
otify the information f required service	See the sheet 13 for additional City of Woodland Standard Water notes.	Ireh	tergreen Blvd.,

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Project No. 3405

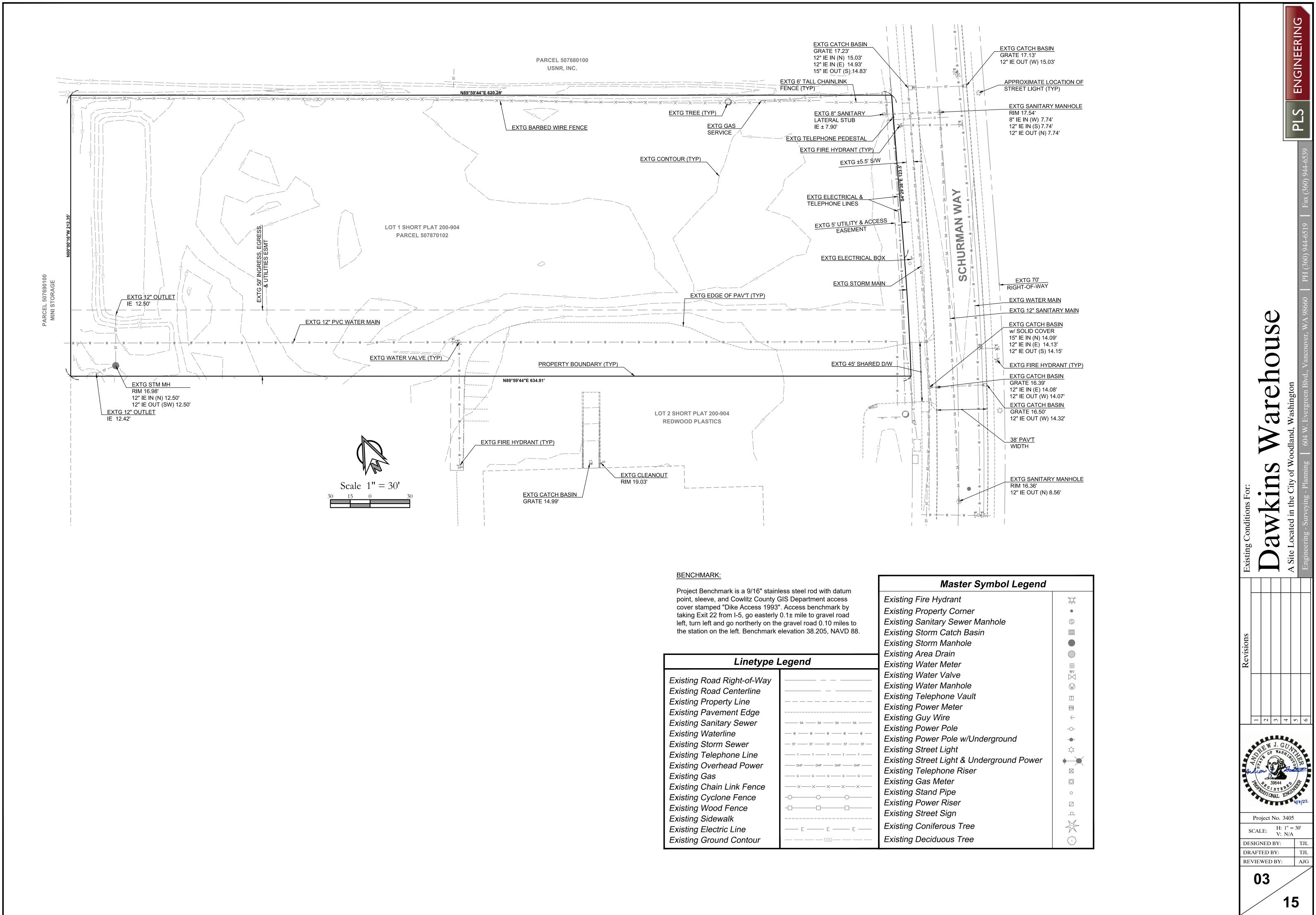
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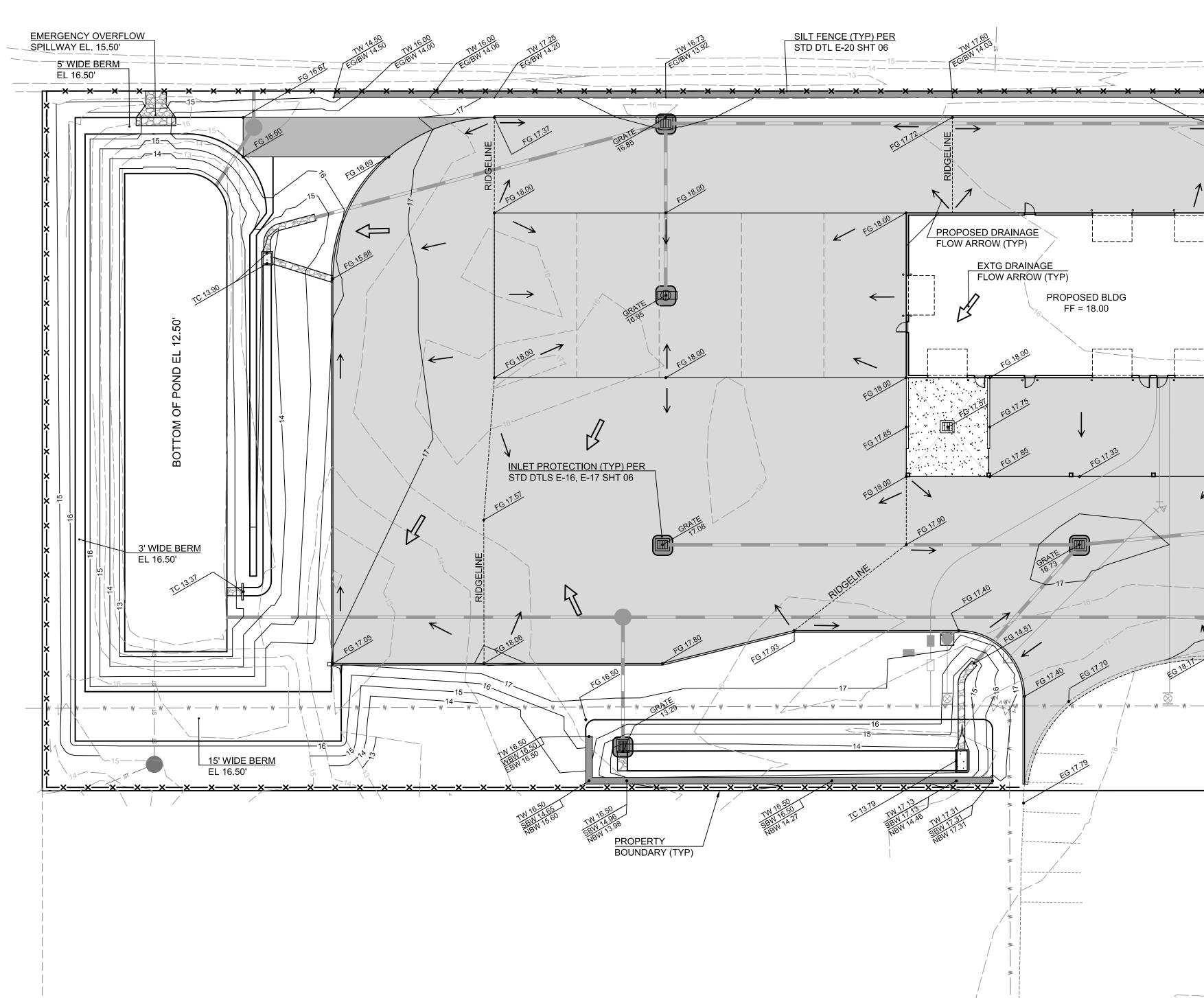
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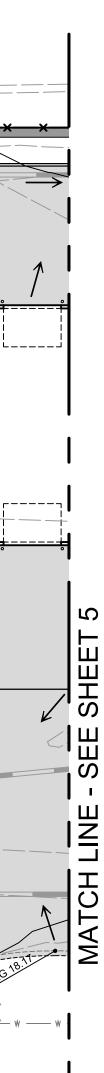
02

REVIEWED BY:



Linetype Legend		
Existing Road Right-of-Way		
Existing Road Centerline		
Existing Property Line		
Existing Pavement Edge		
Existing Sanitary Sewer	SA SA SA SA	
Existing Waterline		
Existing Storm Sewer	st st st st	
Existing Telephone Line	T T T T T	
Existing Overhead Power	OHP OHP OHP	
Existing Gas	G G G G	
Existing Chain Link Fence	××××	
Existing Cyclone Fence	-00	
Existing Wood Fence	-00	
Existing Sidewalk		
Existing Electric Line	—— Е —— Е —— Е ——	
Existing Ground Contour	100	





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GRADING SPOT ELEVATION ABBREVIATIONS

TC = TOP OF CURB OR TOP OF CONCRETE ELEVATION FG = FINISH GRADE AT TOP OF PAV'T OR EXTERNAL TO BLDG SW = FINISH GRADE FOR SIDEWALK

EG = EXTG GRADE AT EDGE OF PAV'T (FOR REFERENCE) GRATE = CATCH BASIN OR INLET RIM ELEVATION

TW = FINISHED GRADE AT TOP OF WALL

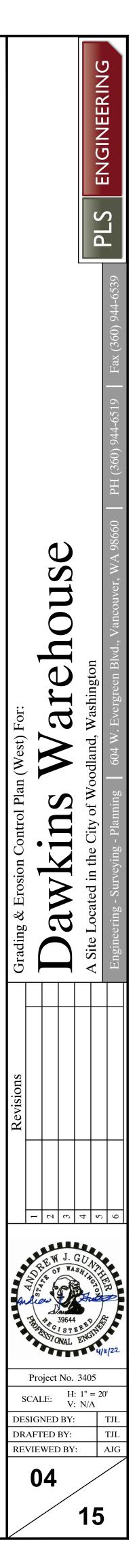
BW = FINISHED GRADE AT BOTTOM OF WALL NBW = FINISHED GRADE AT BOTTOM OF WALL ON NORTH SIDE EBW = FINISHED GRADE AT BOTTOM OF WALL ON EAST SIDE SBW = FINISHED GRADE AT BOTTOM OF WALL ON SOUTH SIDE WBW = FINISHED GRADE AT BOTTOM OF WALL ON WEST SIDE

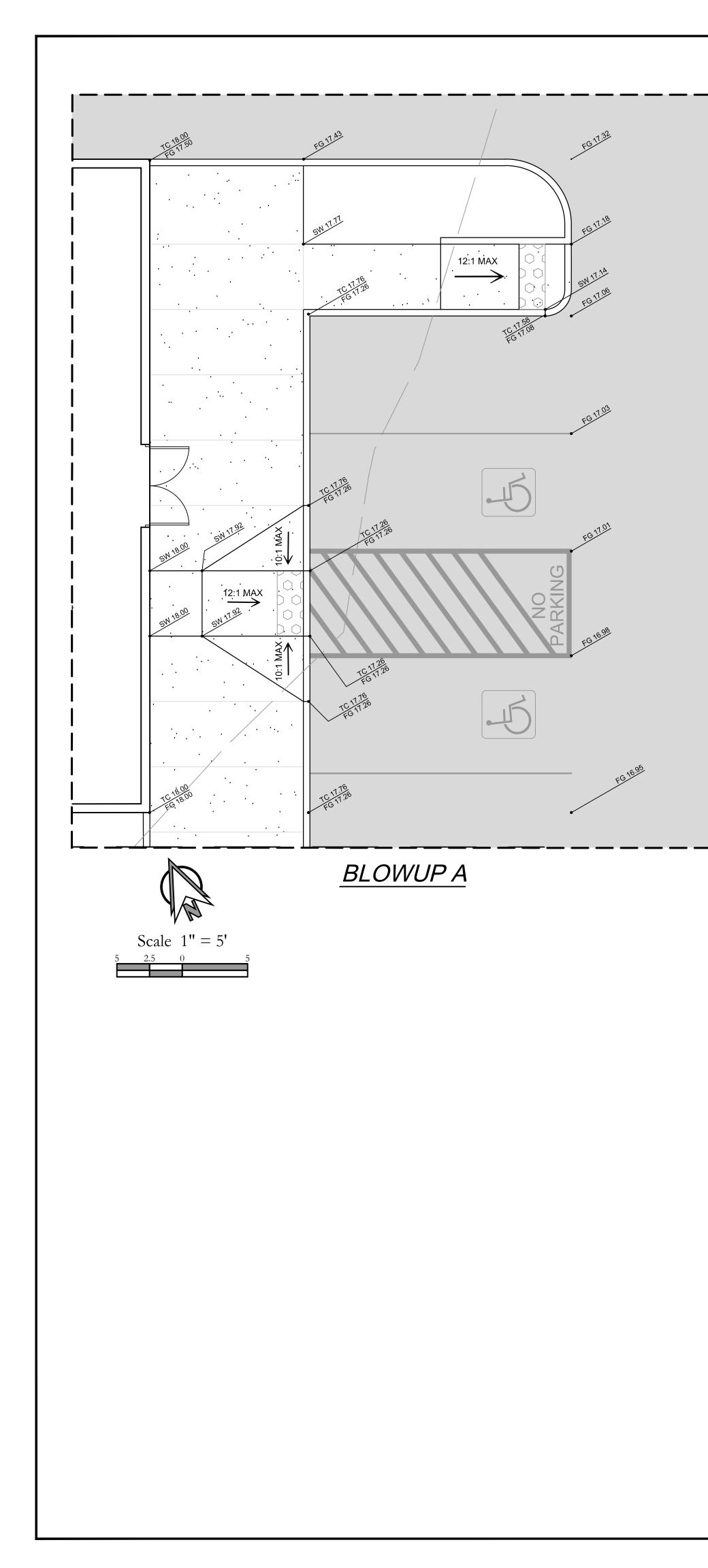
GRADING NOTES:

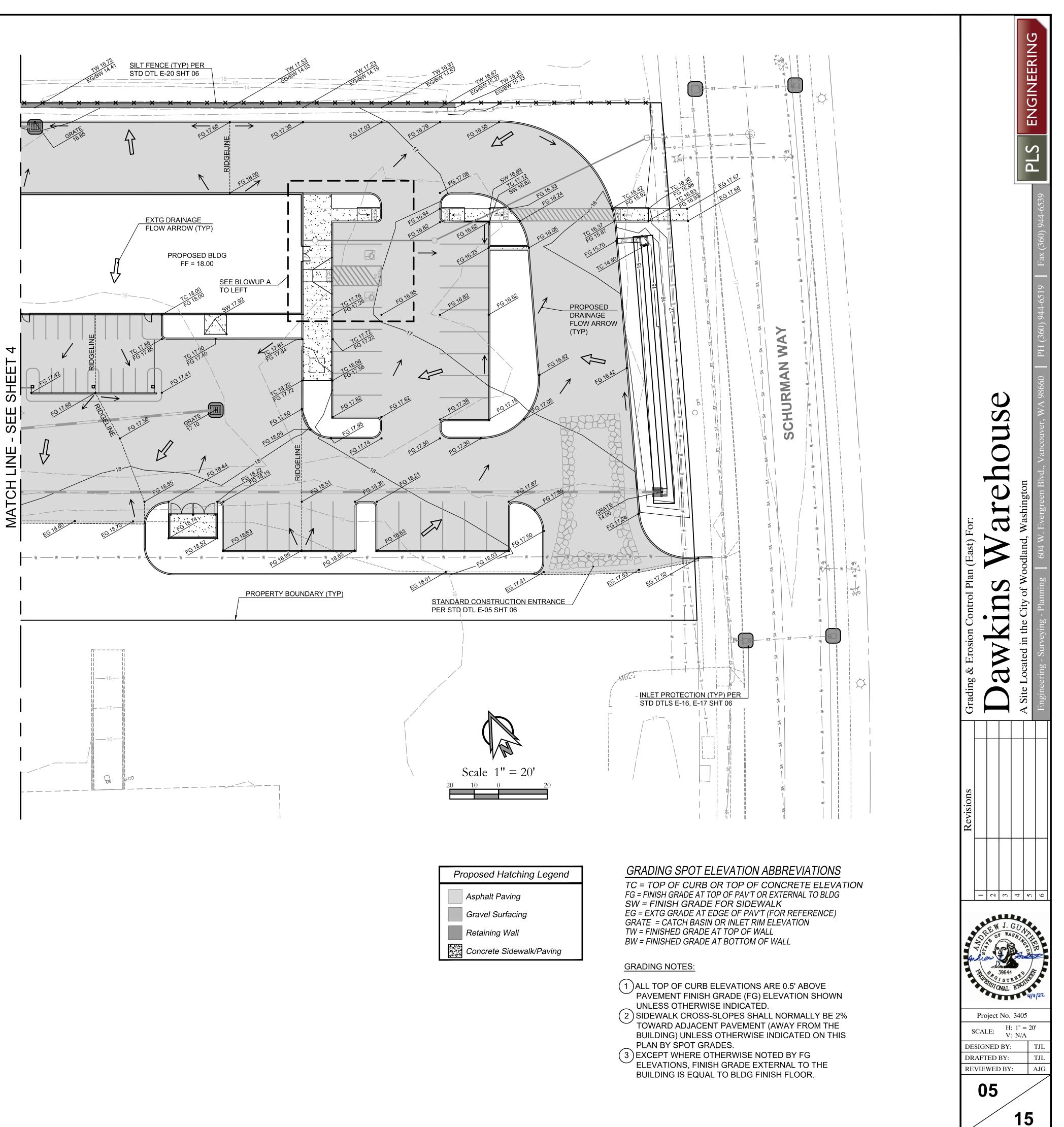
- 1 ALL TOP OF CURB ELEVATIONS ARE 0.5' ABOVE PAVEMENT FINISH GRADE (FG) ELEVATION SHOWN
- UNLESS OTHERWISE INDICATED. 2 SIDEWALK CROSS-SLOPES SHALL NORMALLY BE 2% TOWARD ADJACENT PAVEMENT (AWAY FROM THE BUILDING) UNLESS OTHERWISE INDICATED ON THIS PLAN BY SPOT GRADES.
- 3 EXCEPT WHERE OTHERWISE NOTED BY FG ELEVATIONS, FINISH GRADE EXTERNAL TO THE BUILDING IS EQUAL TO BLDG FINISH FLOOR.

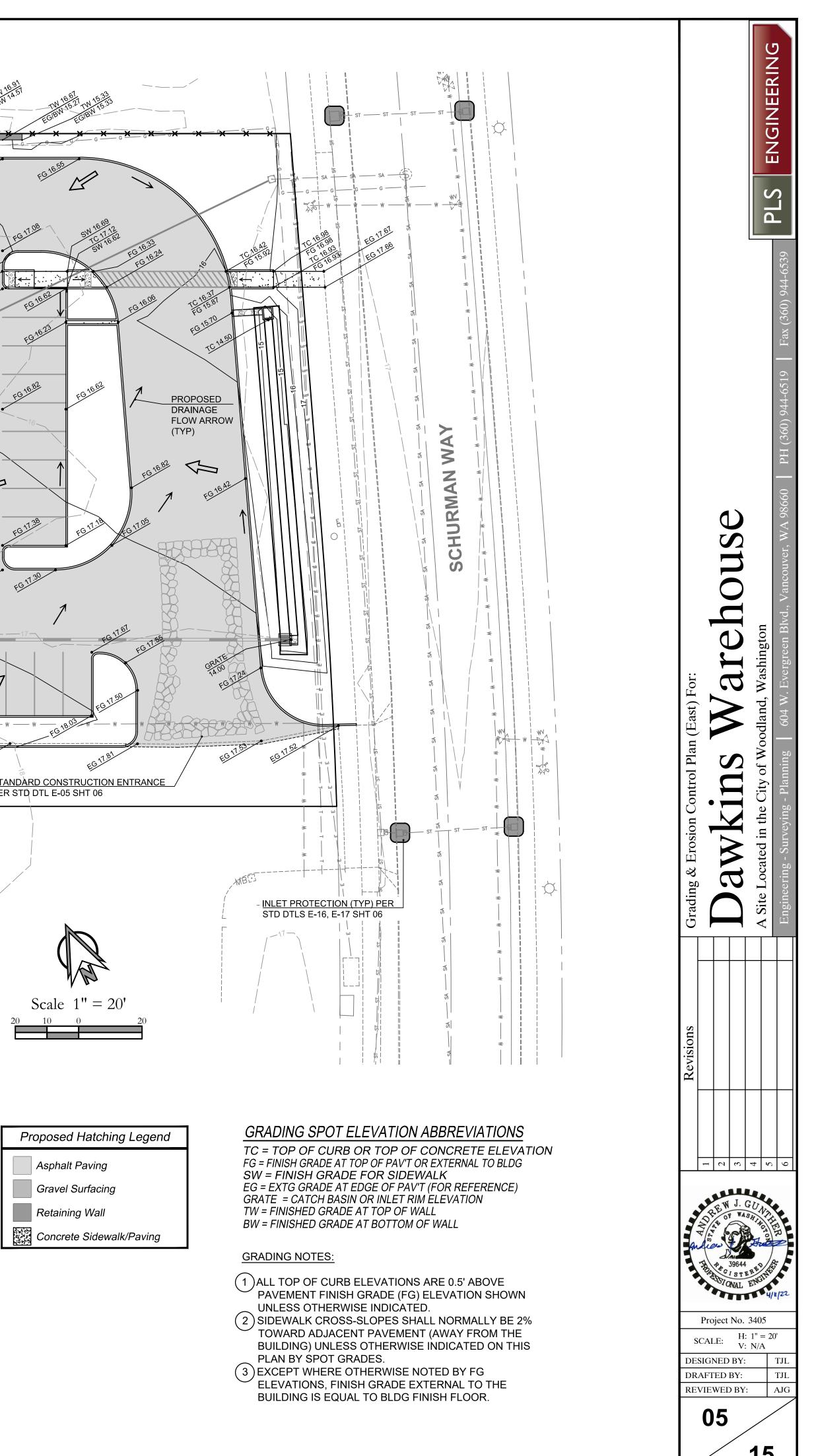
Scale 1" = 20'

Proposed Hatching Legend		
Asphalt Paving		
Gravel Surfacing		
Retaining Wall		
Concrete Sidewalk/Paving		

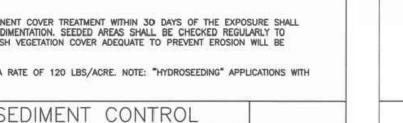




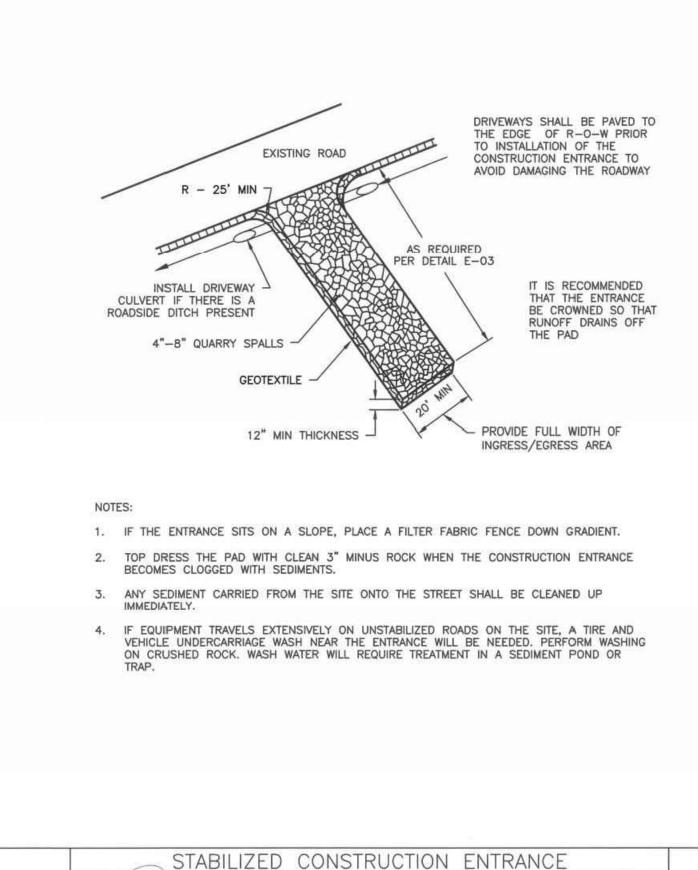




CLEARING OR SAVADLE, DERIVEN AND SERVICENT CONTROL MESSRES SHALL BE APPROVED BY THE OT LEDGON NO. CONTROL SERVICES FROM AND SERVICES TO MANY TENDERS AND THE MESSION WITH THE DEGON NO. SERVICE CONTROL MESSIERS AND IN MESSION TO MESS DEPENDENCE OF TRANSMERS AND THE MESSION WITH THE DEGON NO. SERVICE CONTROL MESSIERS AND THE MESSION WITH THE DEGON NO. SERVICES AND AND THE DEGON THE DEGON OF SERVICES AND THE MESSION WITH THE DEGON NO. SERVICES AND THE MESSION WITH THE DEGON NO. SERVICES AND AND AND ATTER INFORMATION THE DEGON NO. SERVICES AND AND ATTER INFORMATION THE DEGON NO. SERVICES AND AND ATTER AND CLARK AND THE DEGON NO. SERVICES AND AND ATTER AND CLARK AND THE DEGON NO. SERVICES AND AND ATTER AND CLARK AND ATTER AND CLARK AND THE DEGON NO. SERVICES AND AND ATTER AND CLARK AND ATTER A		
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Te EXPLOSE & RESONABLE FOR MUNNING ERGON PREVENCIN AND SEDMENT CONTROL MEASURES DURING AND AFTER INSTALLATION OF JA WORK ASSOCIATION WILL TERMONES. TERMONEST D'ENCARTON ALL CITEM DONNAEL RELEY SMALL DE PROTECTED TOM SLOKE FROM ANY DISTINGTON CONSTITUCTION ADDA STANDARD OF CONTROL TO DESCRIPT TO MARINA DRANAEL, RELEVE FAITE AND CLAM CATCH BASINS FOLLOWING CONSTITUCTION MADA TERMONENTS D'ENCARTON ALL CITEM DONNAEL RELEY AND CLAM CATCH BASINS FOLLOWING CONSTITUCTION MADA TERMONENTS D'ENCARTON ALL CITEM DONNAEL RELEVAND CLAM CATCH BASINS FOLLOWING CONSTITUCTION ADDA TERMONENTS D'ENCARTON ALL CITEM DONNAEL RELEVAND CLAM CATCH BASINS FOLLOWING CONSTITUCTION ADDA TERMONENTS SUBJAIL FOR DERISENT TO THE THE WO OR DISTING BORN OF INFLINATION DISTING. THEORONY SEEDING AND MULCIPING OF THIL SUPPS AND DIVERSION NERS SMALL DE COMPLETED WITHIN ONE WEEK ATTER TRADING GRADING. ALL L'OPCOST DAL SWALL ES CATABULZED IN THE APROPERITE ESTANDAUCOUNT PREVAILEST COMPLETE ADDA TARIN, SO NO SOL, SWALL ES CATABULZED IN THE APROPERITE ESTANDAUCOUNT PREVAILEST. ANDREAL STOCKPILSA RET D BE PROTECTED BY THE FOLLOWING MARKE THERMONENT, CORSE RELEW WITH APROPERITE ESTANDAUCOUNT PREVAILEST. THERMONENT, CORSE RELEW WITH APROPERITE ESTANDAUCOUNT PREVAILEST. THE APROV. FORM STANDAUCOUNT PREVAILEST. THE APROV. FORM STANDAUCOUNT PREVAILEST. THE APROV. CORSE SALLE BY THIN ON STAL ARTICL SEEDING WITH ADDALEST. THE APROV. CORSE SALLE BY THIN ON STAL ARTICL SEEDING WITH ADDALEST. THE APROV. CORSE SALLE BY THIN ON STAL ARTICL SEEDING WITH ADDALEST. THE APROV. THE RELEVANCE MAD ADDALEST. THE APROV. CORSE RELEVANCE MAD ADD. THE APROV. CORSE RELEVANCE MAD ADDALEST. THE APROV. THE RELEVANCE MAD ADDALEST. THE ADDALEST ADDALEST. THE ADDALEST. THE ADDALEST. THE ADDALEST.	1.	CLEARING OR GRADING, EROSION AND SEDIMENT CONTROL MEASURES SHALL BE APPROVED BY THE CITY EROSION CONTROL SPECIALIST PRIOR TO T COMMENCEMENT OF WORK. THE CONTRACTOR SHALL CALL FOR AN ON-SITE INSPECTION WHEN EROSION AND SEDIMENT CONTROL MEASURES ARE IN
WINK ASSOCRETE WITH UTLETY TRENCES. PRORT TO ANY THE EDOAGNION, ALL STOM PROMADE NUETS SHALL BE PROTECTED DOWN SLOPE FROM ANY DISTURBED OR CONSTRUCTION AREAS STARDARD DETAILS TO PROVENT SCIDMENT FROM EDIESMO TO ENTER NEW OR DOSING PRES, ACIUM BASING OR INTERVISION OF THE DETUINEED. INE CONTRACTOR SHALL NOT ALLOW SEDMENT OR DEERS TO DUTER NEW OR DOSING PRES, ACIUM BASING OR INTERVISION STREME. INERVICONSTRUCTOR ON MOUCHING OF THL SLOPES AND DIVERSION DIKES SHALL BE COMPLETED WITHIN ONE WEXA AFTER ROUCH GMOING. MITTEMAL STOCKALS ARE TO BE PROTECTED BY THE APPROPRIATE BEST MANCEURON PRACTICES (BM-B), DIRIST MAD CARDING THE PROLONG BEANS: INTEMA STOCKALS ARE TO BE PROTECTED BY THE PLODWING MEANS: INTEMA STOCKALS ARE TO BE PROTECTED BY THE PLODWING MEANS: INTEMA STOCKALS ARE TO BE PROTECTED BY THE PLODWING MEANS: INTEMA STOCKALS ARE TO BE PROTECTED BY THE PLODWING MEANS: INTEMA STOCKALS ARE TO BE PROTECTED BY THE TRUCKED WITH CONCRETE BCOCKE, LUMRER ARE TO BE STREMOLTED BY THE TO STOCKALS ARE TO BE STREMOLTED AT THE PLOD BY THE TO STOCKALS ARE TO BE STREMOLTED BY THE TOTAL ACIUMA STARKES STREMED WITH CONCRETE BCOCKE TO ANY THE PLOD BY THE TO THE STOCKALS AREAS AND AND AREAS A	2.	WOODLAND'S LATEST STANDARD DETAILS AND THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANUAL FOR WESTERN WASHINGTON,
STANDARD DETAILS TO PREVENT SEDMENT FROM ENTERNOL THE STORM DEMANDE, SYSTEM PROR TO PERMINENT SUBJEMEND OF THE DETURES. ICLEWI THE FUTER YARROR CAS RECESSARY TO MAINING DEMANDE, THEN OR DESTING VARION CONFINITION OF THE STORM DEMANDE. NEXTY CONSTRUCTED OR MOOFED INLETS AND CATCH BASINS ARE TO BE PROTECTED IMMEDIATELY UPON INSTALLATION. ITEMPORATE SERVICE AND MUCHINE OF FILL SLOPES AND DIMENSION DIKES SHALL BE COMPLETED IMMEDIATELY UPON INSTALLATION. ITEMPORATE CONFERCICIES ARE TO BE PROTECTED BY THE FARDOPRIST BEST MANOGRAPH PRACTICES (BMP), DURING THE PERSON OFFICE STATUS OF TO AND SCIENCE STATUS OF THE SAME DEVELOPMENT STATUS OF THE SAME DEVELOPMENT PRACTICES (BMP), DURING THE PERSON FROM TO AND SCIENCE TO BE PROTECTED BY THE FARDOPRIST BEST MANOGRAPH PRACTICES (BMP), DURING THE PERSON FROM TO AND SCIENCE TO BE PROTECTED BY THE FARDOPRIST BEST MANOGRAPH PRACTICES (BMP), DURING THE PERSON FROM THE APPROPRIATE BEST MANOGRAPH PRACTICES (BMP), DURING THE PERSON FROM THE APPROPRIATE SET MANOGRAPH PRACTICES (BMP), DURING THE PERSON FROM THE APPROPRIATE SET MANOGRAPH PRACTICES (BMP), DURING THE PERSON FROM THE APPROPRIATE SET MANOGRAPH PRACTICES (BMP), DURING THE PERSON FROM THE APPROPRIATE SET MANOGRAPH PRACTICES (BMP), DURING THE PERSON FROM THE PERSON FROM THE APPROPRIATE SET TO ALL ACCESS FORMERS, DURING APPROPRIATE SET TO ALL ACCESS FORMERS AND ARE DESCRIPTED. IN THE CASE MANDE ADD FOR THESE MILL SUBJEMENTED MANOREMENT PROPRIES, OR FORMER DURING ADDITIONE BARK, CITADIDE J, STORY DURING ADDITIONE	3.	THE DEVELOPER IS RESPONSIBLE FOR MAINTAINING EROSION PREVENTION AND SEDIMENT CONTROL MEASURES DURING AND AFTER INSTALLATION OF WORK ASSOCIATED WITH UTILITY TRENCHES.
 NENLY CONSTRUCTED OR MODIFIED INLETS AND CATCH BASINS ARE TO BE PROTECTED IMMEDIATELY UPON INSTALLATION. THEPORARY SEEDING AND UNICHING OF FILL SLOPES AND DIMERSION DIKES SHALL BE COMPLETED WITHIN ONE WEEK ATTER ROUGH GRADING. ALL DEPORATO NO UNIVERSITY SEEDING TO MORE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE DEPOSED FOR MORE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE DEPOSED FOR MORE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE DEPOSED FOR MORE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE DEPOSED FOR MARE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE DEPOSED FOR MARE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE DEPOSED FOR MARE THAN TWO (2) DAYS. MITERAL STOCKPLES ARE TO BE PROTECTED BY THE FULLOWING MEMONE. THE CONTRACTOR SHALL MANTAN ON SITE A WRITEN MAY 1 LOD OF EROSINO CONTROLL BMF MANTEAMCE. IF THE CONTRACTOR SHALL MANTAN ON SITE A WRITEN MAY 100 OF EROSINO CONTROLL BMF MANTEAMACE. IF THE CONTRACTOR SHALL MANTAN ON SITE A WRITEN MAY 100 OF EROSINO CONTROLL BMF MANTEAMARE. IF WEEDTOR OF CHARGENERS, AND SANDERSTEE PROVINE A DEPORTOR OF EMERSING AND SANDERSTEE TO THATE AND PARAMETERS. OR PARAMETERS, OR PAULOR RIGHT-OF-WAY, THAT THE PUBLIC RIGHT OF WEEK SANDE MARE THE DEPOSE, ALADRED TO POPERTIES, OR PAULOR RIGHT-OF-WAY, THAT THE PUBLIC RIGHT OF THE TO SANDERS SANDERSTEEMES TO MAREE A DEPOSE. ADJUST AND ALADRED TO POPERTIES, OR PAULOR RIGHT OF THE TO SANDERSTEEMES TO THE TO THE STEEMES TO THE CONTROL THAT THAT THE THE DUBLIC RIGHT OF THE TO THE STEEME THAT THAT THAT THAT THAT THAT THAT THA	4.	STANDARD DETAILS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAINAGE SYSTEM PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED
TEMPORARY SEEDING AND MURCINE OF FILL SLOPES AND DIVERSION DIKES SHALL BE COMPLETED WITHIN ONE WEEK AFTER ROUGH GRADING. ALL DROSED AND LINKORKED SOLS SHALL BE STABLEED BY THE APPROPRIATE BEST MANAGEMENT PRACTICES (BUMA), DURING THE PERIOD FROM TO APPL 50 NO SOL SHALL BE EXPOSED FOR MARE THAN TWO (2) DIVES. FROM MAY 1 TO SEPTEMBER 30 NO SOL SHALL BE EXPOSED FOR MA SENEN (7) DAYS. MUTENAL STOCPHES ARE TO BE PROTECTED BY THE FOLLOWING MEANS: TEMPORARY: COVER FILLS WITH AWARG OF MUSTIC, DIVERTIES MERICA RADINO PILLS ARE TO BE SUFFICIANCED WITH ENGINED THE CONTINUENCE SHALL BANK THANG OF PLASTIC, DIVERTIES MERICA RADINO PILLS ARE TO BE SUFFICIANCED WITH ENGINED THE CONTINUENCE SHALL BANK THANK ON SHE A WINGTE, DIVERTIES MERICA RADINO PILLS ARE TO BE SUFFICIANCED WITH ENGINED THE CONTINUENCE SHALL BANK THANK ON SHE A WINGTE, DIVERTIES AREA RADINO PILLS ARE TO BE SUFFICIANT PILL POLY DEVELOPMENT, DIVERTIES AREA RADINO PILLS THE CONTINUENCE OF ENGINEENCES, UNIT, SOUTE PLASTIC SHALL BANK WITH ROLES. THE CONTINUENCE OF ENGINEENCES, UNIT, SOUTE PILL PILL PILL PILL PILL PILL PILL PIL	5.	THE CONTRACTOR SHALL NOT ALLOW SEDIMENT OR DEBRIS TO ENTER NEW OR EXISTING PIPES, CATCH BASINS OR INFILTRATION SYSTEMS.
ALL DPOCED AND UNKORNED SOLS SHALL BE STABILIZED BY THE APPROPRIATE BEST MANAGEMENT PRACTICES (BHP4), DURING THE PERIOD FROM 1 DAMES AND SOLS SHALL BE DPOCED FOR MORE THAN THO (2) DASS. FROM MAY 1 TO SEPTEMBER 30 NO SOL SHALL BE DPOCED FOR MORE THAN THO (2) DASS. FROM MAY 1 TO SEPTEMBER 30 NO SOL SHALL BE DPOCED FOR MORE THAN THO (2) DASS. FROM MAY 1 TO SEPTEMBER 30 NO SOL SHALL BE DPOCED FOR MORE THAN THO (2) DASS. FROM MAY 1 TO SEPTEMBER 30 NO SOL SHALL BE DPOCED FOR MORE THAN THO (2) DASS. FROM MAY 100 DEFENSION OF PLASTIC, OR FEESED FERMILER MARK BAS ARRUND FLAST ARE TO BE SUBROUNDED WITH ARSON ON FRANCES WITH TARS TO BE PLASTIC, OR FEESED FERMILER MARK BAS ARRUND FLAST ARE TO BE SUBROUNDED WITH ARGON ON FRANCES WITH TARS TO BE PLASTIC, OR FEESED FERMILER MARK BAS ARRUND FLAST ARE TO BE SUBROUNDED WITH ARGON ON FRANCES WITH ARGON ON FRANCE WITH ARGON ON FRANCES WITH ARGON ON FRANCES WITH ARGON ON FRANCES WITH ARGON ON FRANCES WITH ARGON ON THE PARAMETERS ON FURLE REAL PORTAL ARGON ON FRANCES WITH ARGON ON FRANCE WITH ARGON ON FRANCES WITH ARGON ON THE PARAMETERS ON FRANCES WITH ARGON ON FRANCES W	6.	NEWLY CONSTRUCTED OR MODIFIED INLETS AND CATCH BASINS ARE TO BE PROTECTED IMMEDIATELY UPON INSTALLATION.
11 TO APRIL 30 ND SOL SHALL BE EXPOSED FOR MORE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOL SHALL BE DRYOED FOR M SURVEY () DAYS. 9. MITERIAL STOCKPLES ARE TO BE PROTECTED BY THE FOLLOWING MEANS: TEMPANDRY: COVER PLESS WITH TARPS OR PLASTIC, CHEMENA MEGNET: MEMORY COVER PLESS WITH TARPS OR PLASTIC, CHEMENA MEGNETIC BUCKS, LUMBER OR TRES. TERMANENT: COVER PLESS WITH TARPS OR PLASTIC, CHEMENA MEGNETIC BUCKS, LUMBER OR TRES. TENDANCETIC CONTRUCTOR SHALL MARTAIN ON STE A WRITEN DAILY LOG OF EROSION CONTROL DUP MANTENANCE. 10. THE CONTRACTOR SHALL BE ISSUED UNTE, PROPER MESAURES HAVE BEED TAKEN AND APPROVED BY THE CITY OF WOODLAND. F THE BUPS APPLICATION TO WOOD OPEN WOODLAND. AF THE BUPS APPLICATION OF WOOD AND. AF THE BUPS APPLICATION OF DEPENDENCE OF 100 FEET INTO THE SITE FAR LACCESS FORMS UNTEL BODES, ADJACENT PROPERIES, OR PUBLIC RIGHT—OF MAY DEPENDENCE OF 100 FEET INTO THE SITE FAR LACCESS FORMS UNLIFED BY THE CITY. DATABATE TO THE SITE ARE ADJACENT PROPERTIES, DOBACE AND STREETS 12. PROVIDE A 12-MCH DEEP PAD OF COULYER DOOL FOR A DISTANCE OF 100 FEET INTO THE SITE FOR ALL ACCESS FORMS UNLIFED BY CONSTRUCT DATABATE TO THE SITE AND THE SITE MAN DEEP SHALL BEESS ACROSS THE PAD. ACCOUNTING THE TRANSPORTED BY THE CITY. 13. PROVIDENT ADJACENT EXPERIENCE, DOBAC AND STREETS 14. BIOCH CAUNFERS, DADACE AND STREETS 14. PROVIDENT ADJACENT LEP PROVIDELLY REMOVED, OR ADDITIONAL ROCK SHALL BE FLACED UPON THE PAD SUBJECT. ROCK SHALL BE CLAVE AD A BING THE PAYMENT DATABATE AND THE CONTRACTOR MANNE MAY. 14. STREE SHILL DEPENDING OF THE PAD OF CHUMPER DEMONDALE OR TRACKED FORM YEAKED STREE SHALL BE CAUNFE AD A BING THE PAYMENT DATABATE AND THE LOTS HAVE THE SING DATABATE AND THE LOTS HAVE THE SHALL BEAMANE MED STAND. 15. PROVIDENT BUCK AND AND PROVIDED ON THE PAD SUBJECT ON TO ADDITIONAL ROCK SHALL BE REAVED TO THE ADDITION COUNTS SIMULTANDOLY ON ADACENT LOTS. 16. STREE SHALE DE ON CONTRULTING DATE AND THE STANDARD DETALLY. 1	7.	TEMPORARY SEEDING AND MULCHING OF FILL SLOPES AND DIVERSION DIKES SHALL BE COMPLETED WITHIN ONE WEEK AFTER ROUGH GRADING.
TENDRARY: COVER PLES WITH JARPS OR PLASTLO, OR PLASTLO, OR PLASTLO, OR PLASTLO, OR PLESA ME TO BE SURRINGUED WITH EROSION CON PRIMARY: COVER PLES WITH JARPS OR PLASTLO, OR PLASTLO, OR SEGLE PERMIPER AREAS AROUND PLESA ME TO BE SURRINGUED WITH EROSION CON PRIMARY DE SURRING PERCESS UNIT SOL SURVICE S STABLED WITH RESERVE. 11. IF LE CITY INSPECTOR OR EVANLER(S) HAS PROPENES OF STABLED WITH RESERVE. 12. IF LE CITY INSPECTOR OR EVANLER(S) HAS PROPENES OF POOR CONSTRUCTION PRACTICES OR IMPORTE BESION PREVENTION BAR, CITATORE J STOP WORK ORDER SHALL BE SUBD UNIT. PROPER INSURVES HAVE BED THANKEN NO APPROVED BY THE CITY OF WOODUNG. IF THE BAR APP STE ARE INSUFFICIENT TO PREVENT SEDMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHT-OF-WAY, THEN THE PUBLI DIFFERIOR SHALL REQUER CANODINAL BARY. PROTECTION OF ADJACENT PROPERTIES. RADIO OF ORDER AND STOKE OF 100 FEET HITO THE STE FOR ALL ACCESS POINTS UTILIZED BY CONCITING ACOMUNATED THE PAD OF CONSIDER TOOCY TOR A DISTURCE OF 100 FEET HITO THE STE FOR ALL ACCESS POINTS UTILIZED BY CONCITING ACOMUNATED SOL SHALL BE PROPORCILLY PROPER INSUED FOR TRACKED FROM VEHICLIS ONTO RODAWINS OR INTO STORM DRAINS MUST REDWORD AND STOKE THE PAD SHALL BE A MINIMA OF 20 TEET. ALL TRUCKS LEAVING THE PAD SUFFACE ROCK SHALL BE CLARAD A ACOMUNATED SOL SHALL BE PROPORCILLY REDWORD ON ADJACENT LIDTS. 13. PROVEMENT AND THE CAN DEVICED, WASHING THE PAVENTI INTO THE STOR MYSTEM IS NOT PREMITED. 14. AT SITES WITH LESS THAT I ACCE OF DROVIDED SOLL, PAD LEDGT THAT AND THE SOLLED NOT PREMITED. 15. INSTAL LESS THAT I ACCE OF CONTROLOGING MUST BANDLINEDUSLY ON ADJACENT LIDTS AND THE LIDTS HAVE THE BARE OWNER DURING CONSTRUCTION, ON EDVENTOR DURING CONSTRUCTION ONLY AND THE SUBJECT THAT AND THE STARL REDWORD AND THE PROVIDED TO THE ADJACENT LIDTS. 15. INSTAL LESS THAT I ACCEPTION OF LIDE AND THE PAD LEDTS HAVE THE SAME OWNER DURING CONSTRUCTION, AND THE LIDTS HAVE THE EAMED MET AND THE SUBJECT TO MARKED LEDTS. 15. INSTAL LESS THAT I ADD THE LIDTOR DURING AREAS SHALL BE EXAMINA	8.	1 TO APRIL 30 NO SOIL SHALL BE EXPOSED FOR MORE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE EXPOSED FOR
10. THE CONTRACTOR SHALL MAINTAIN ON SITE A WRITTEN DAILY LOG OF EROSION CONTROL BAP MAINTENANCE. 11. IF THE CONT INSPECTOR OR EXAMPLES(S) IMS INDERNEE OF POOR CONSTRUCTION PRACTICES OR IMPORTER BESION PREVENTION BAPS, CITATORS J. 11. STOP WORK ORDER SHALL DE ISSUED UNT. PROPER MEASURES IMME BEDT THREADY ADD ROCKING. F THE INSPECTION TO PREVENT SEDMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHT-OF-WAY, THEN THE PUBLID DEPOTORS SHALL REQUIRE ADDITIONAL BUPS. PROTECTION OF CAMACENT PROPER MEASURES HAVE BED THREAD TO PROPERTIES, OR PUBLIC RIGHT-OF-WAY, THEN THE PUBLID DEPOTORS ADDITIONAL BUPS. PROTECTION OF ADJACENT PROPERTIES. ROADS AND STREETS 10. PROVIDE A 12-MICH DEEP PAD OF CRUSHED ROCK FOR A DISTANCE OF 100 FEET. ALL TRUCKS LEAVING THE STIE SMALL DEEPS AND TO CONSTRUCT DESILED, WORKED DRIVE OF TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRIVEN BUSIL ED AUMENTMAN OF 20 FEET. ALL TRUCKS LEAVING THE STIE SMALL DEEXS AND THE SMALL DESIDE SOLLARY SPALLS. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRIVEN BUSIL READULES TO SO FEET. SINCE THAN 1. CREE OF EXPROSED SOLL PAD LENDT MAY ER REDUCED TO SO FEET. SINCE FAMILY LOT ENTRANCES MAY HAVE THE LEXICIP MEMORIAL TO ADDRIVES THAN 1. CREE OF EXPRONCED SOLLARD ADDRIVE TO SO FEET. SINCE FAMILY LOT ENTRANCES MAY HAVE THE LEXICIP MEMORIAL TO ADDRIVES AND THE CAME OWNER DURING CONSTRUCTON, OUCLING SIMULTANEOUSLY ON ADADCENT LOTS WITH THE SMEE OWNER DURING CONSTRUCTON, OUCLING SIMULTANEOUSLY ON ADADCENT LOTS WITH THE SMEE OWNER DURING CONSTRUCTON, OUCLING SIMULTANEOUSLY ON ADADCENT LOTS WITH THE SMEE OWNER DURING CONSTRUCTON, OUCLING SIMULTANEOUSLY ON ADADCENT LOTS WITH THE SMEE OWNER DURING CONSTRUCTON, OUCLING SIMULTANEOUSLY ON ADADCENT LOTS WITH THE SMEE OWNER DURI	9.	TEMPORARY: COVER PILES WITH TARPS OR PLASTIC SHEETING WEIGHTED WITH CONCRETE BLOCKS, LUMBER OR TIRES. PERMANENT: COVER PILES WITH TARPS OR PLASTIC, OR RESEED. PERIMETER AREAS AROUND PILES ARE TO BE SURROUNDED WITH EROSION CO
STOP WORK ORDER SHALL BE ISSUED UNTIL PROPER MEASURES HAVE BEEN TAKEN AND APPROVED BY THE CITY OF WOODLAND. IF THE BUMP APPL STE ARE NEWTHERN TO REVENT SOUNDARD FROM REACH. DIRECTOR SHALL REQUIRE ADDITIONAL BMPS. PROVEDE A 12-INCH DEEP PAD OF CRUSHED ROCK FOR A DISTMETE 12. PROVIDE A 12-INCH DEEP PAD OF CRUSHED ROCK FOR A DISTMETE OF 100 FEET INTO THE SITE FOR ALL ACCESS POINTS UTLIZED BY CONSTRUCTOR SOLVED AND THE SITE FOR ALL ACCESS POINTS UTLIZED BY CONSTRUCTOR SOLVED AND THE SITE FOR ALL ACCESS POINTS UTLIZED BY CONSTRUCTOR SOLVED AND THE SITE FOR ALL ACCESS POINTS UTLIZED BY CONSTRUCTOR SOLVED AND THE SITE FOR ALL ACCESS POINTS UTLIZED BY CONSTRUCTOR SOLVED AND THE SITE FOR ALL ACCESS POINTS UTLIZED BY CONSTRUCTOR ADDITIONAL BY ADDITIONAL BY ADDITIONAL BY CONSTRUCTOR ADDITIONAL BY ADDITIONAL BY ADDITIONAL BY ADDITIONAL BY	10.	
12. PROVIDE A 12-INCH DEEP PAD OF CRUSHED ROCK FOR A DISTANCE OF 100 FEET INTO THE SITE FOR ALL ACCESS POINTS UTILIZED BY CONSTRUCTO 20. DIMENT AND TRUCKS, WIDTH OF THE PAD SHALL BE A MINIMUM OF 20 FEET. ALL TRUCKS LEAVING THE SITE SHALL EDRESS ACROSS THE PAD 6 NON-OLIMARY SHALL EDRESS ALL MATERIALS SPILLED, DROPPED, WASHED OR TRUCKED PROM YERDLED OWN THE ADD SUMPLE (ROCK SHALL BE LEAVING 6 NON-OLIMARY SHALLS. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRUCKED PROM YERDLED OWN THE ADD SUMPLE (ROCK SHALL BE LEAVING 6 NON-OLIMARY SHALLS. ALL MATERIALS SPILLED, DROPPED, WASHING THE PAVEMENT INTO THE STORM SYSTEM IS NOT PROMITED. 13. PAVEMENT SWEEPING AND SHOVEING IS REQUIRED. WASHING THE PAVEMENT INTO THE STORM SYSTEM IS NOT PREMITTED. 14. AT SITES WITH LESS THAN 1 ACRG OF EXPOSED SOLL PAD DESIGNT MAY BE REDUCED TO 50 FEET. SILE FAMILY LOT ENTRANCES MAY HAVE THE 15. DISTALL SEDIMENT FENE IN ACCORDINGE WITH THIS DETAIL SHEET PRIOR TO BUILDING CONSTRUCTION AND/OR EXCAVATION TO PREVENT SILT INTRU 16. CONSTRUCTION RANDS AND PARKING AREAS SHALL BE STABILIZED WHEREVER THEY ARE CONTRUCTION AND/OR EXCAVATION TO PREVENT SILT INTRU 17. MANTAIN AND REMOVE ALL SEDIMENT CONTROL SA SPECIFIED IN THE STANDARD DITALS. THE CONTRUCTOR SHALL REMOVE ALL ACCUMULATED SEDI 16. FROM THE CATCH ADMONE OF THE MAY BE LUMMARTED. 17. BANTAIN AND REMOVE ALL SEDIMENT CONTROLS AS SPECIFIED IN THE STANDARD DITALS. THE CONTRUCTOR SHALL REMOVE ALL ACCUMULATED SEDI 18. SEDIMENT CONTROL BINES 19. SALL BE ONED CEVERY TWO WEEKES OR MORE ITEX STAND THE STANDARD DY THE CITY. 18. SEDIMENT CONTROL BINES 19. ALL TEMPORARY ERSIGN REVERTION AND SEDIMENT CONTROL AS SPECIFIED WITH THE STANDARD DY THE LOCAL PERMITTION ALTIFORTY DIAGED ON THE LE 20. STABLES TO STORM. DESCRIPTION AND SEDIMENT CONTROL WEEKEY FROM TO ACCEPTANCE BY THE CITY. 18. SEDIMENT CONTROL BINES 19. ALL TEMPORARY ENDS AND REVERTION AND SEDIMENT CONTROL MASSURES SHALL BE REMOVED ON STABLE BY THE CITY. 19. SEDIMENT CONTROL BINES 19. ALL TEMPORARY ENDS SALL BE INSPECTED WEEKLY AND ATTER MA	11.	STOP WORK ORDER SHALL BE ISSUED UNTIL PROPER MEASURES HAVE BEEN TAKEN AND APPROVED BY THE CITY OF WOODLAND. IF THE BMPs APP SITE ARE INSUFFICIENT TO PREVENT SEDIMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHT-OF-WAY, THEN THE PUBL
EQUIPMENT AND TRUCKS. WIDTH OF THE PAD SHALL BE A MINIMUM OF 20 FEET. ALL TRUCKS LEWING THE STRE SHALL GRESS ACROSS THE PAD. ACCUMULATED SOIL, SHALL BE PERIODRALLY REMOVED, OR ADDITIONAL MOCK SHALL BE FLACED UPON THE PAD SURFACE. ROCK SHALL BE CLEAN 4 B INCH QUARRY SPALLS. ALL MATERNAS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO RADMWAYS OR INTO STORM DRAINS MUST REMOVED MMEDIATELY. 13. PAREMENT SWEEPING AND SHOVELING IS REQUIRED. WASHING THE PAVEMENT INTO THE STORM SYSTEM IS NOT PERMITTED. 14. AT SITES WITH LESS THAN 1 ACRE OF EXPOSED SOIL, PAD LENGTH MAY BE REDUCED TO SO FEET. SINGLE FAMILY LOT ENTRANCES MAY HAVE THE LENGTH REDUCED TO 20 FEET. F. CONSTRUCTION OCCURS SMULTIANEOUSLY ON ADAACENT LOTS WITH THE SAME OWNER DURING CONSTRUCTION, ON ENTRANCE MAY BE USED FOR THE ADA/DEEM IT TOTS. 15. INSTALL SEDIMENT FERCE IN ACCORDANCE WITH THIS DETAIL SHEET PRIOR TO BUILDING CONSTRUCTION AND/OR EXCAVATION TO PREVENT SILT INTRU LEYON ADA/CENT LOTS. IF CONSTRUCTION OCCURS SIMULTANEOUSLY ON ADA/CENT LOTS. AND THE LOTS HAVE THE SAME OWNER DURING CONSTRUCT SILT FRENC ALONG THE COMMON LOT LUNE MAY BE EMMINTED. 16. CONSTRUCTION COMOS AND PARKING AREAS SHALL BE STABILIZED WHEREVER THEY ARE CONSTRUCTED, WHETHER PERMANENT OR TEMPORARY, FOR T GONSTRUCTION TRAFFIC. MANTAIN AND REMOVE ALL SEDIMENT CONTROLS AS SPECIFIED IN THE STANDARD DETAILS. THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDI MANTAIN AND REMOVE ALL SEDIMENT CONTROLS AS SPECIFIED IN THE STANDARD DETAILS. THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDI MANTAIN AND REMOVE ALL SEDIMENT CONTROLS AS SPECIFIED IN THE STANDARD DETAILS. THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDI MANTAIN AND REMOVE ALL SEDIMENT CONTROLS AS SPECIFIED IN THE STANDARD DETAILS. THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDI MANTAIN AND REMOVE ALL SEDIMENT CONTROL MAS SPECIFIED WITH Y STANDARD DETAILS. THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDI MANTAIN AND REMOVE ALL SEDIMENT CONTROLS AS SPECIF	PRO	DIECTION OF ADJACENT PROPERTIES, ROADS AND STREETS
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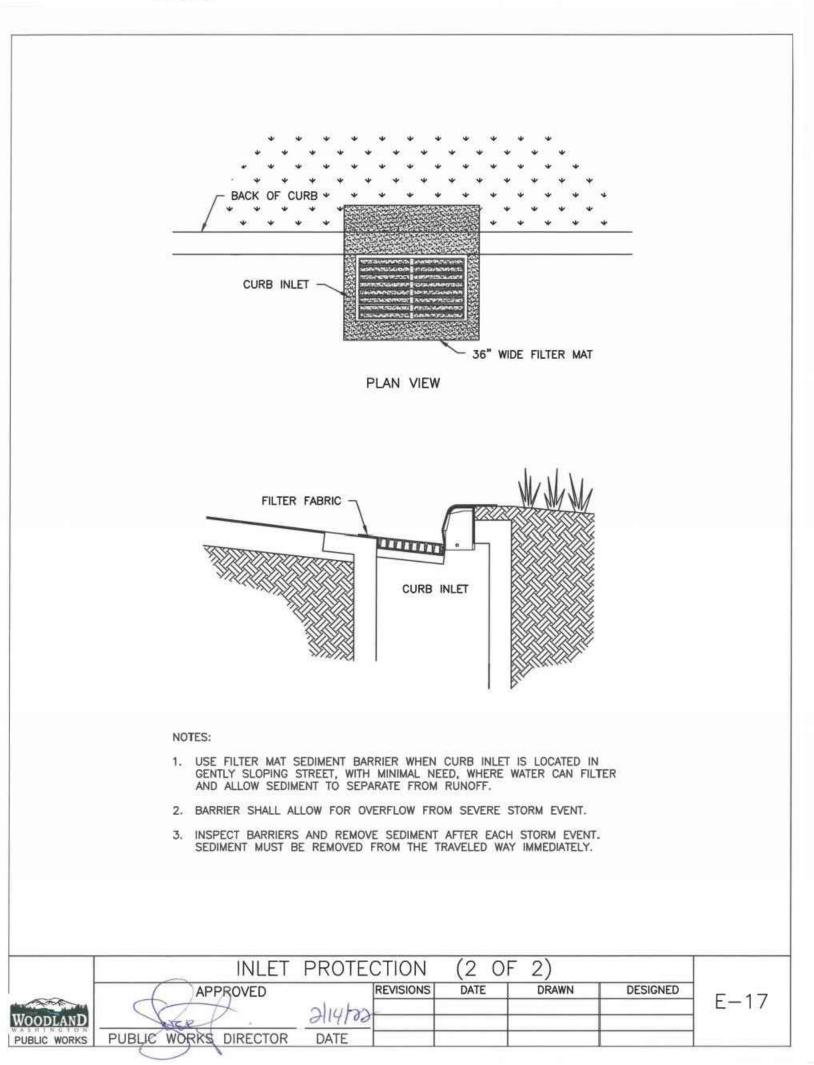
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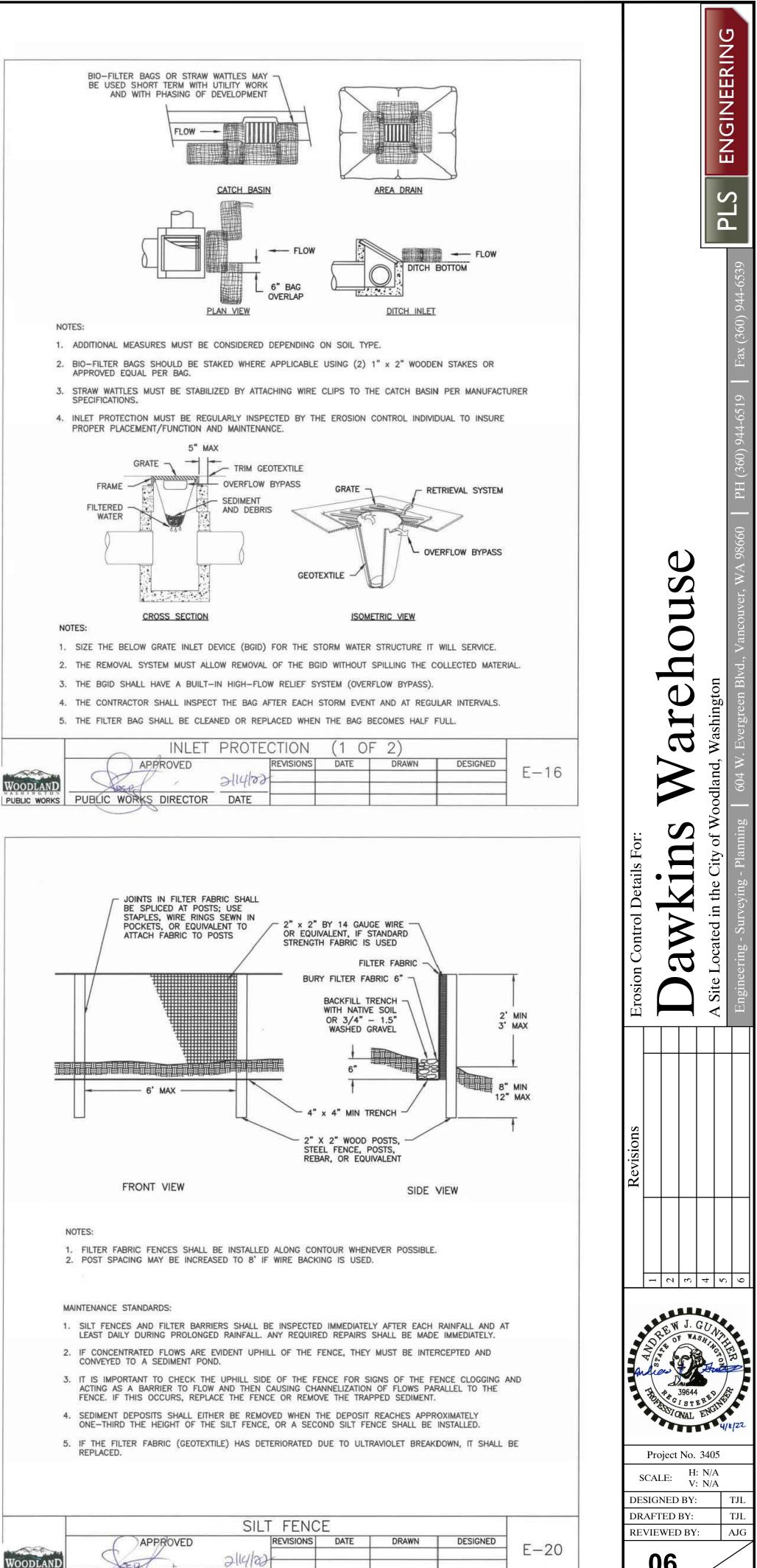
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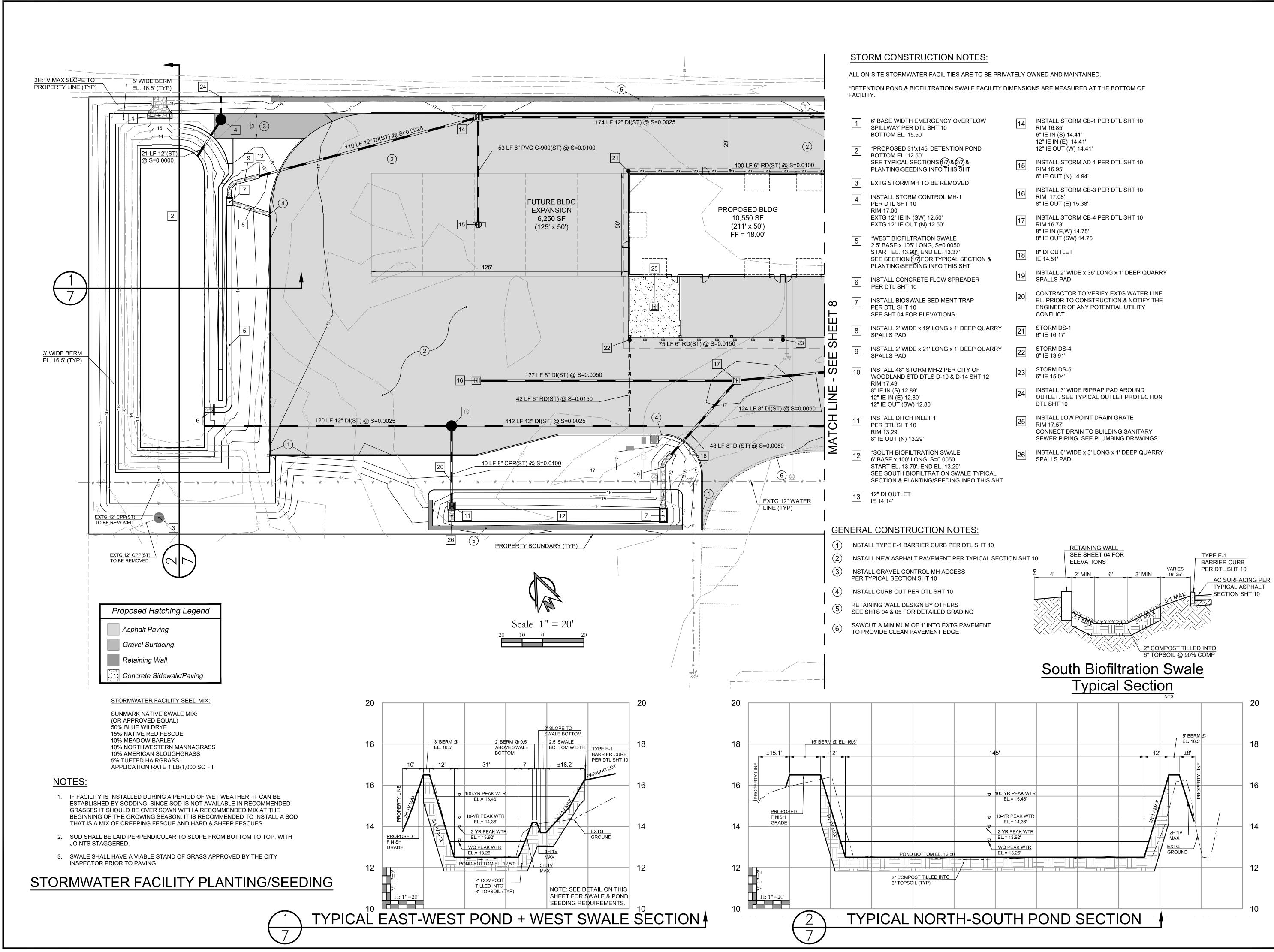
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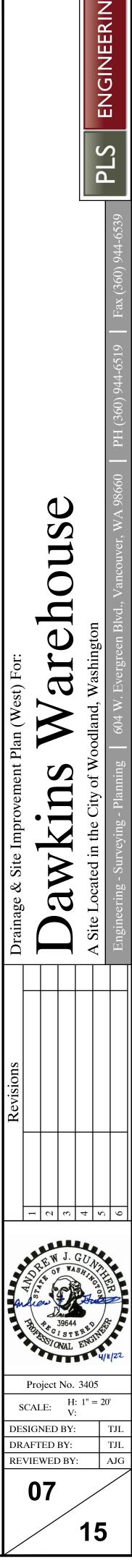
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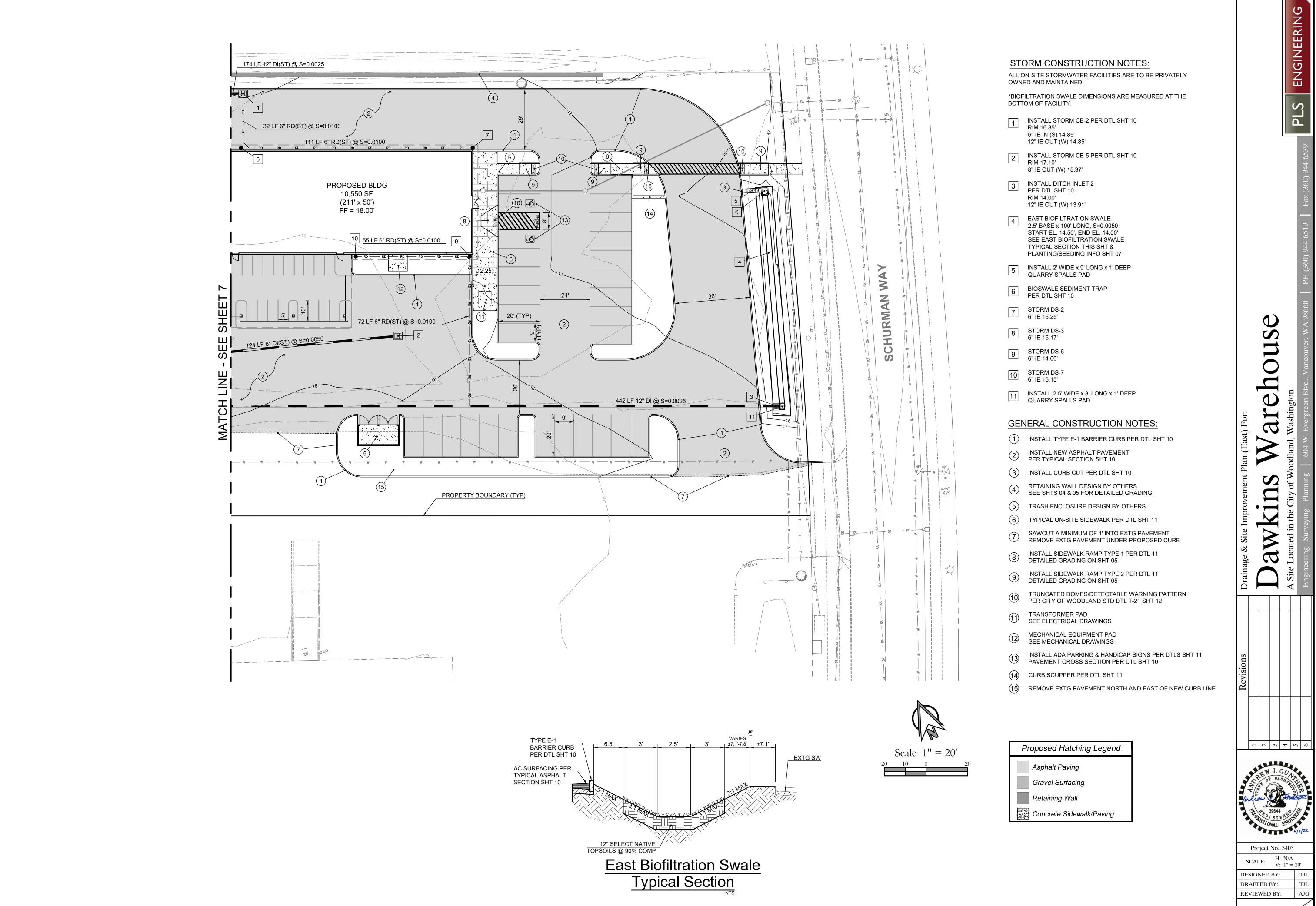
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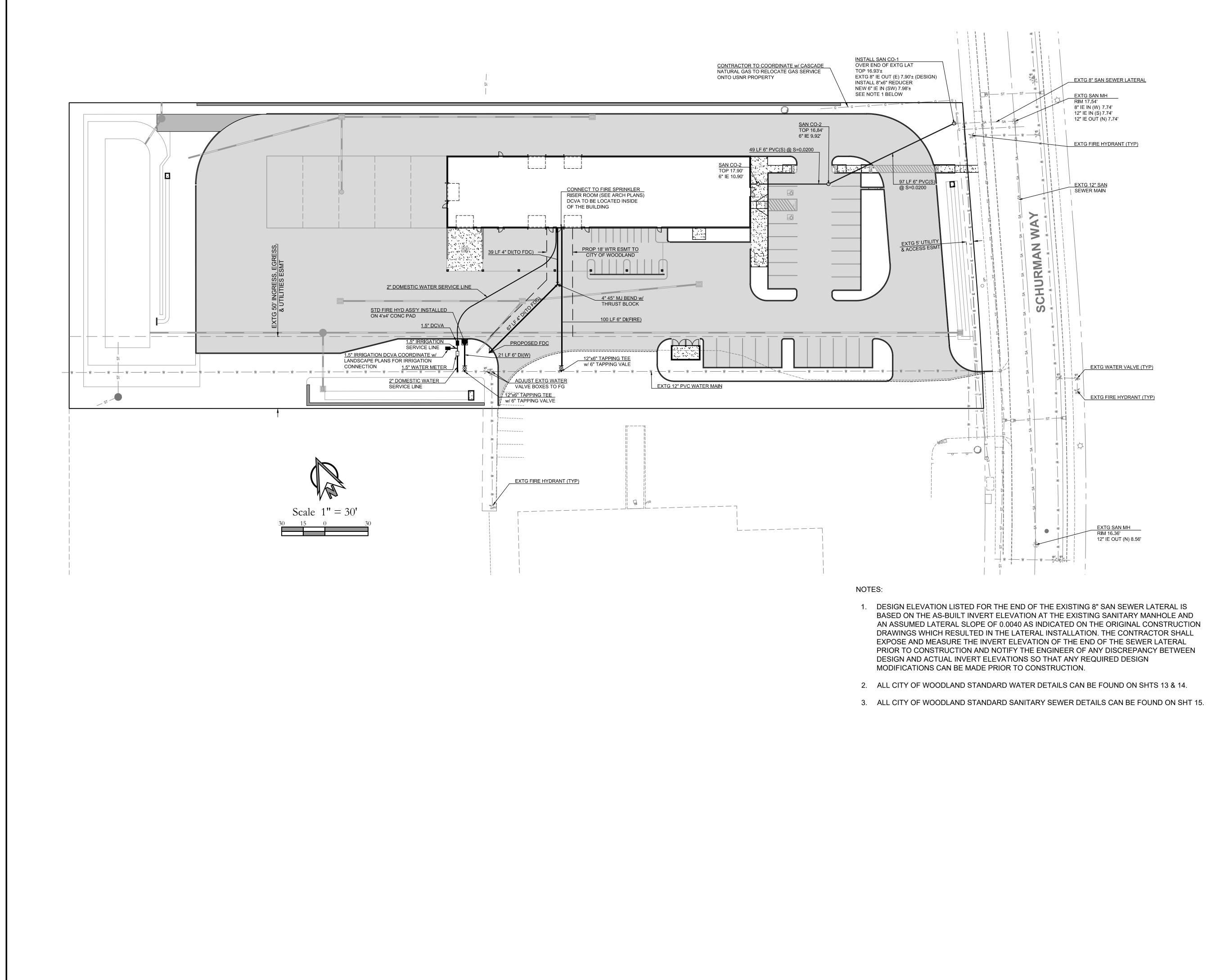


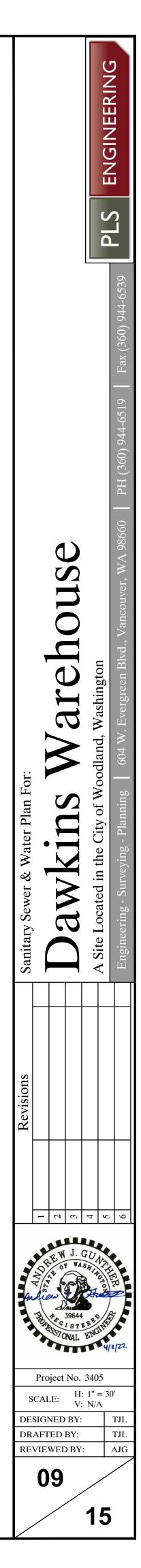
STRUCTION NOTES:		
IWATER FACILITIES ARE TO BE PRIVA	TELY O	WNED AND MAINTAINED.
& BIOFILTRATION SWALE FACILITY DIM	IENSIO	NS ARE MEASURED AT THE BOTTOM OF
TH EMERGENCY OVERFLOW PER DTL SHT 10 . 15.50'	14	INSTALL STORM CB-1 PER DTL SHT 10 RIM 16.85' 6" IE IN (S) 14.41' 12" IE IN (E) 14.41'
) 31'x145' DETENTION POND . 12.50'		12" IE OUT (W) 14.41'
L SECTIONS (1/7)& (2/7)& EEDING INFO THIS SHT	15	INSTALL STORM AD-1 PER DTL SHT 10 RIM 16.95' 6" IE OUT (N) 14.94'
M MH TO BE REMOVED		INSTALL STORM CB-3 PER DTL SHT 10
ORM CONTROL MH-1 T 10	16	RIM 17.08' 8" IE OUT (E) 15.38'
IN (SW) 12.50' OUT (N) 12.50'	17	INSTALL STORM CB-4 PER DTL SHT 10 RIM 16.73' 8" IE IN (E,W) 14.75'
TILTRATION SWALE 105' LONG, S=0.0050 3.90', END EL. 13.37' DN (1/7)FOR TYPICAL SECTION &	18	8" IE OUT (SW) 14.75' 8" DI OUTLET IE 14.51'
EEDING INFO THIS SHT	19	INSTALL 2' WIDE x 36' LONG x 1' DEEP QUARRY SPALLS PAD
IT 10 DSWALE SEDIMENT TRAP T 10 FOR ELEVATIONS	20	CONTRACTOR TO VERIFY EXTG WATER LINE EL. PRIOR TO CONSTRUCTION & NOTIFY THE ENGINEER OF ANY POTENTIAL UTILITY CONFLICT
VIDE x 19' LONG x 1' DEEP QUARRY)	21	STORM DS-1 6" IE 16.17'
VIDE x 21' LONG x 1' DEEP QUARRY)	22	STORM DS-4 6" IE 13.91'
STORM MH-2 PER CITY OF STD DTLS D-10 & D-14 SHT 12	23	STORM DS-5 6" IE 15.04'
2.89' 12.80' SW) 12.80'	24	INSTALL 3' WIDE RIPRAP PAD AROUND OUTLET. SEE TYPICAL OUTLET PROTECTION DTL SHT 10
CH INLET 1 T 10	25	INSTALL LOW POINT DRAIN GRATE RIM 17.57' CONNECT DRAIN TO BUILDING SANITARY
) 13.29'		SEWER PIPING. SEE PLUMBING DRAWINGS.
FILTRATION SWALE 0' LONG, S=0.0050 3.79', END EL. 13.29' BIOFILTRATION SWALE TYPICAL PLANTING/SEEDING INFO THIS SHT	26	INSTALL 6' WIDE x 3' LONG x 1' DEEP QUARRY SPALLS PAD
ET		

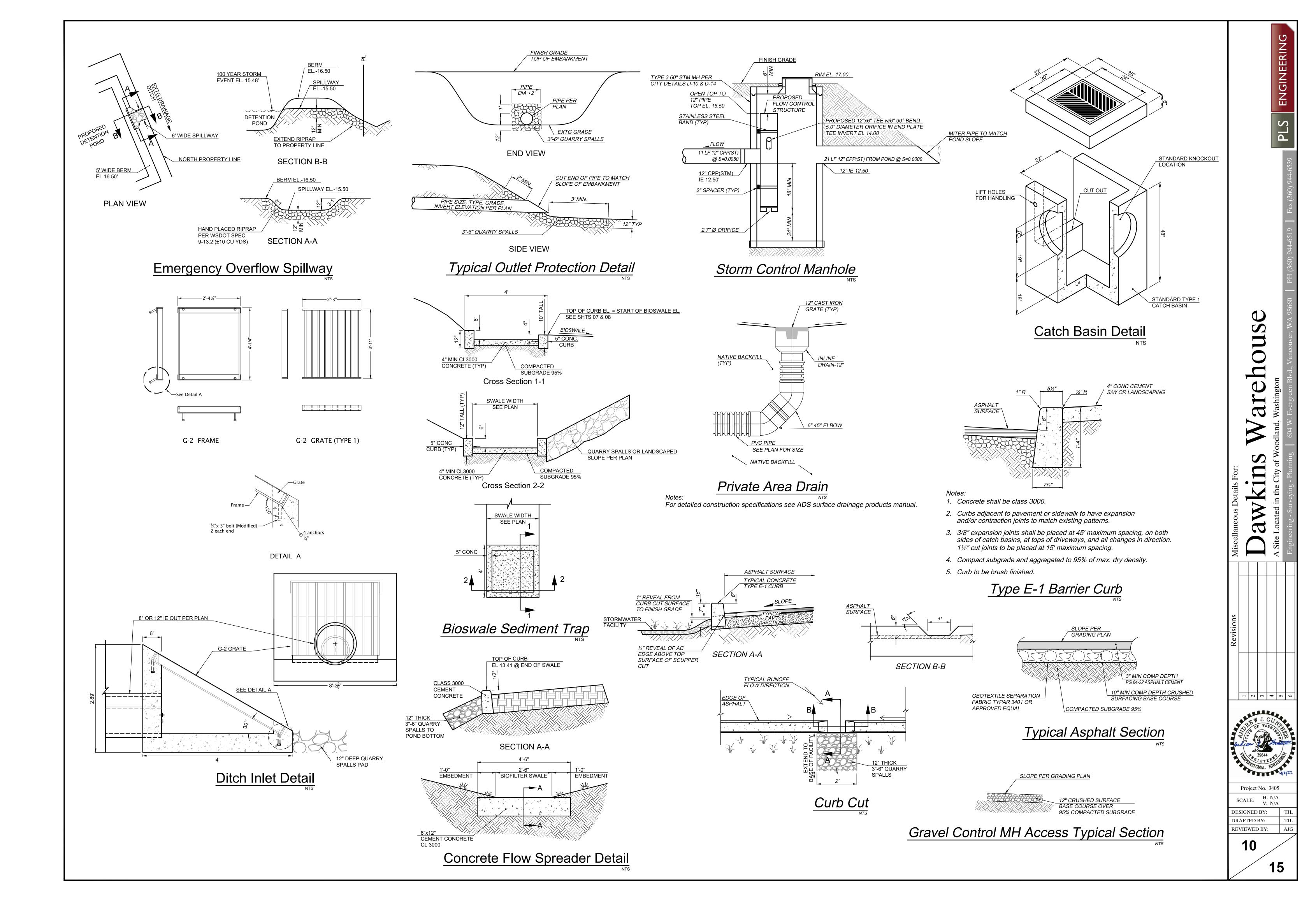


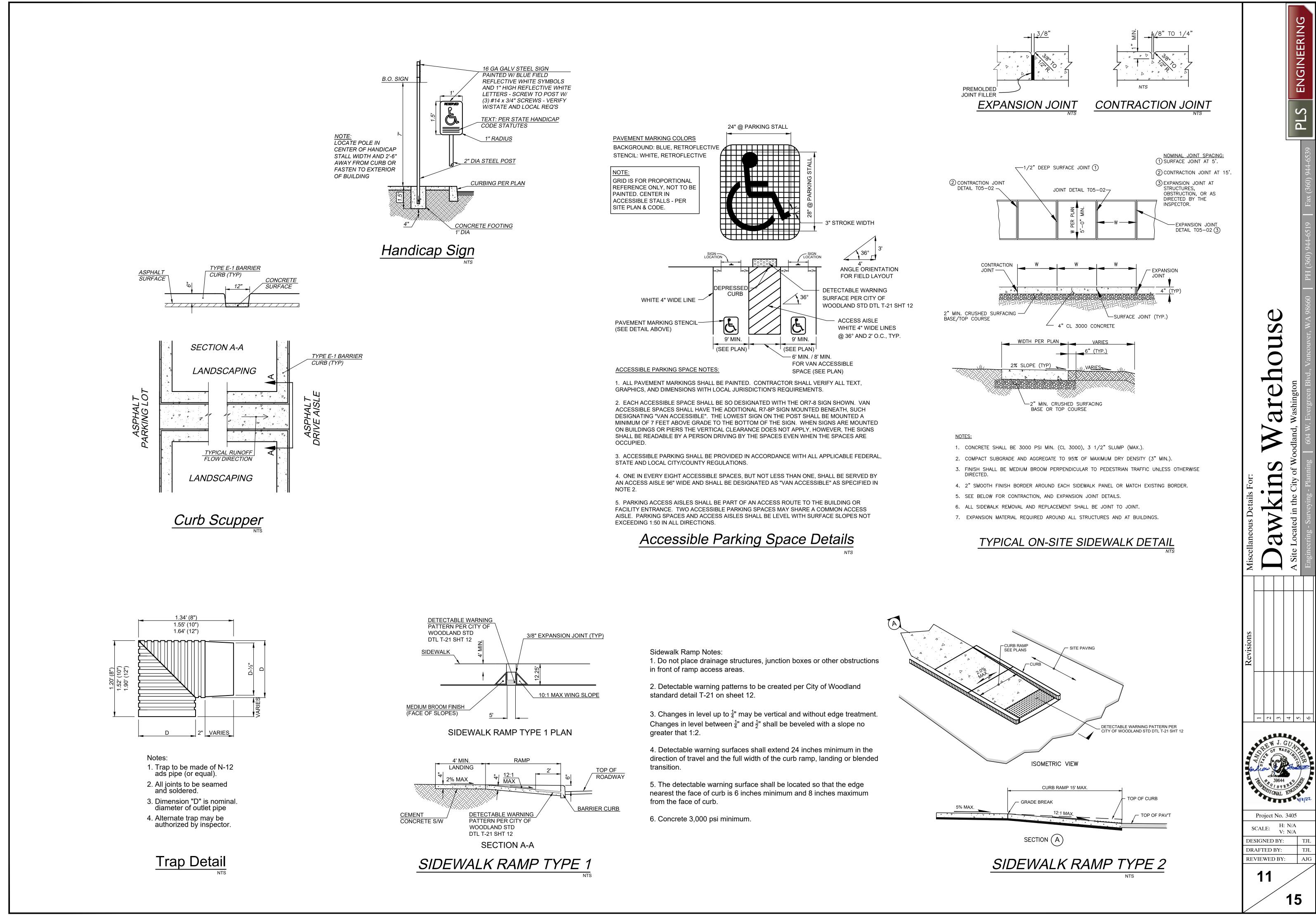
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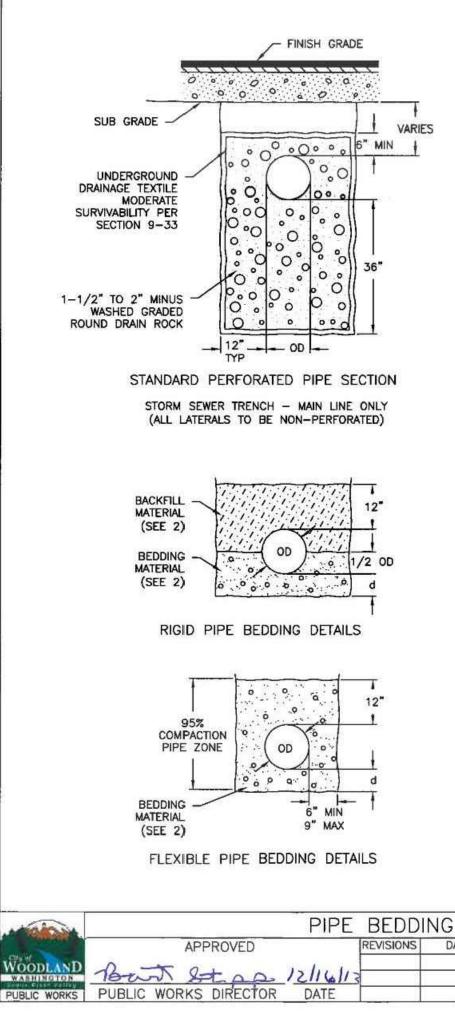




GENERAL NOTES FOR STORM SEWERS 1. ALL MATERIALS AND INSTALLATION OF STORM SEWERS AND DRAINAGE SYSTEMS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS IN THE CITY OF WOODLAND'S LATEST VERSION OF STANDARD

- DETAILS AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA) AND THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, WHERE THE CITY OF WOODLAND REQUIREMENTS SHALL TAKE PRECEDENCE. WHEREVER THE STANDARD SPECIFICATIONS REFER TO THE OWNER AS EITHER THE "STATE" OR "SECRETARY" OR WHEN REFERENCE IS MADE TO THE DEPARTMENT OF TRANSPORTATION IT SHALL BE UNDERSTOOD THAT THE STANDARD SPECIFICATIONS SHOULD READ THE "CITY
- 2. ALL STORM SEWER AND DRAINAGE SYSTEM CONSTRUCTION IS SUBJECT TO INSPECTION AND APPROVAL BY THE CITY OF WOODLAND'S PUBLIC WORKS DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS OFFICE (360) 225-7999 AT LEAST 48 HOURS PRIOR TO THE START OF ANY CONSTRUCTION. THE CITY MAY REQUIRE THAT A PRECONSTRUCTION CONFERENCE BE HELD.
- 3. THE CONTRACTOR IS REQUIRED TO NOTIFY ALL UTILITIES 48 HOURS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR MAY CONTACT THE NORTHWEST UTILITY NOTIFICATION CENTER AT 1-800-424-5555 IN LIEU OF CONTACTING INDIVIDUAL UTILITIES.
- 4. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND/OR CONTRACTOR TO PROCURE AND IT SHALL BE THE RESPONSIBILITE OF THE DEVELOPER AND/OR CONTRACTOR TO PROCURE AND COMPLY WITH THE PROVISIONS OF ALL APPLICABLE PERMITS, EASEMENTS, LICENSES AND CERTIFICATES IN CONJUNCTION WITH THE CONSTRUCTION OF STORM SEWERS AND DRAINAGE SYSTEMS. COMPLIANCE SHALL BE AT ALL LEVELS; FEDERAL, STATE, AND CITY, RELATING TO THE PERFORMANCE OF THIS WORK. THE CONTRACTOR SHALL OBTAIN A STREET CUT PERMIT FOR WORK WITHIN THE PUBLIC PICHT OF WAY RIGHT-OF-WAY.
- 5. THE CONTRACTOR SHALL OBTAIN AND SUBMIT AN APPROVED TRAFFIC CONTROL PLAN PRIOR TO BEGINNING CONSTRUCTION. THE PLAN SHALL BE APPROVED BY THE PUBLIC WORKS DIRECTOR.
- 6. ALL EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE EROSION CONTROL PLAN AND EROSION CONTROL DETAILS, PRIOR TO START OF ANY CONSTRUCTION OR LAND DISTURBING ACTIVITY.
- 7. THE CONTRACTOR SHALL OBTAIN ALL OFFSITE CONSTRUCTION EASEMENTS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THAT ALL OFFSITE UTILITIES EASEMENTS HAVE BEEN OBTAINED BY THE OWNER PRIOR TO THE COMMENCEMENT OF ANY OFFSITE CONSTRUCTION.
- 8. THE CONTRACTOR IS TO VERIFY AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER. ITEMS TO VERIFY INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: -INVERT AND TOP ELEVATIONS OF EXISTING STORM SEWERS -CENTERLINE AND TOP OF CURB ELEVATIONS
- 9. WATER QUALITY DEVICES WILL BE INSTALLED AND FUNCTIONING PRIOR TO COMMENCING WITH INSTALLATION OF PAVEMENT FOR ALL AREAS DRAINING INTO THE WATER QUALITY SYSTEM. VEGETATION IN BIO-FILTRATION SWALE AND POND SYSTEMS SHALL BE ESTABLISHED AND MECHANICAL DEVICES AND FILTER MEDIA SHALL BE INSTALLED. SWALES AND FILTER STRIPS WILL BE SEEDED WITH AN APPROVED SEED MIX, PER THE WESTERN WASHINGTON MANUAL. TURF IS ALLOWED FOR VEGETATED FILTERS PROVIDED THE TURF AREA IS OVERSEEDED WITH THE EQUIVALENT GRASS SEED MIX.
- 10. ALL CATCH BASINS SHALL BE STENCILED: "PROTECT STREAMS" OR "PROTECT GROUNDWATER." 11. ROOF DOWNSPOUT RUNOFF MUST BE RETAINED ON EACH SPECIFIC SITE. DOWNSPOUTS SHALL NOT
- DRAIN TO THE STREET OR ANY ADJACENT PROPERTIES UNLESS SPECIFIC APPROVAL HAS BEEN OBTAINED. 12. THE CONTRACTOR WILL PROVIDE A TELEVISION REPORT, TAPE, AND TABULAR AS-BUILT OF ALL PUBLIC
- STORM MAINS AND LATERALS PRIOR TO PAVING. THIS INFORMATION WILL BE SUBMITTED TO THE CITY INSPECTOR FOR REVIEW. APPROVAL AND ACCEPTANCE OF THE TV INSPECTION WILL BE BASED UPON MANUFACTURING AND INSTALLATION DEFECTS, AS WELL AS DEBRIS IN THE LINES. FINAL ACCEPTANCE AND CONSTRUCTION OF STORM SEWERS ARE SUBJECT TO INSPECTION AND TESTING IN ACCORDANCE WITH SECTIONS 1-05.11, 1-05.12, AND 7-04.3 OF THE STANDARD SPECIFICATIONS.

1						
-		GENERAL	NOTES	FOR	STORM	SEWERS
Contrada Contra		APPROVED		REVISIONS	DATE	DRAWN
WOODLAND	Bart	Stop	12/16/12			
PUBLIC WORKS	and the second se	WORKS DIRECTOR	DATE	2		



NOTES:

HAUNCHES.

TO 95%.

MATERIAL

PIPE ZONE.

CONNECTIONS.

DESIGNED

1. PROVIDE UNIFORM SUPPORT UNDER

BEDDING MATERIALS SHALL CONFORM

TO SECTION 9-03.12(3) OF THE

INCOMPRESSIBLE MATERIALS, THE

A MINIMUM OF 6 INCHES AND

AS DIRECTED BY THE ENGINEER.

4. BEDDING AND BACKFILL MATERIALS IN

5. NATIVE MATERIAL MAY BE USED IN

LIEU OF IMPORTED MATERIAL FOR

9-03.12(3) OF THE STANDARD

BEDDING SPECIFIED, PROVIDED THAT

THE NATIVE CONFORMS TO SECTION

SPECIFICATIONS, AND IS APPROVED BY THE ENGINEER. THE CONTRACTOR

MATERIAL TO THE ENGINEER AT LEAST

ENGINEER MAY APPROVE, REJECT OR

1-1/2 TIMES THE ID OF THE PIPE PLUS 18 INCHES AT THE TOP OF THE

7. ALL JOINTS SHALL BE AIR-TIGHT FOR

DEPTH OF BEDDING

MATERIAL BELOW PIPE

d (MIN)

4"

6"

ENGINEER MAY REQUIRE TESTING OF

NON-PERFORATED PIPE. THE

ANY OR ALL JOINTS AND

OD

LARGER THAN 27"

27" & SMALLER

SHALL SUBMIT A SAMPLE OF THE

72 HOURS PRIOR TO USE. THE

REQUIRE LAB TESTING OF THE

6. TRENCH WIDTH SHALL NOT EXCEED

THE PIPE ZONE SHALL BE COMPACTED

TRENCH SHALL BE OVER EXCAVATED

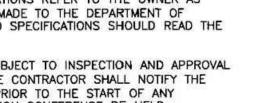
REFILLED WITH GRANULAR MATERIAL

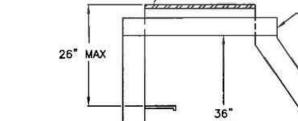
BARREL, HAND TAMP UNDER

STANDARD SPECIFICATIONS.

3. FOR ROCK AND OTHER

D-01



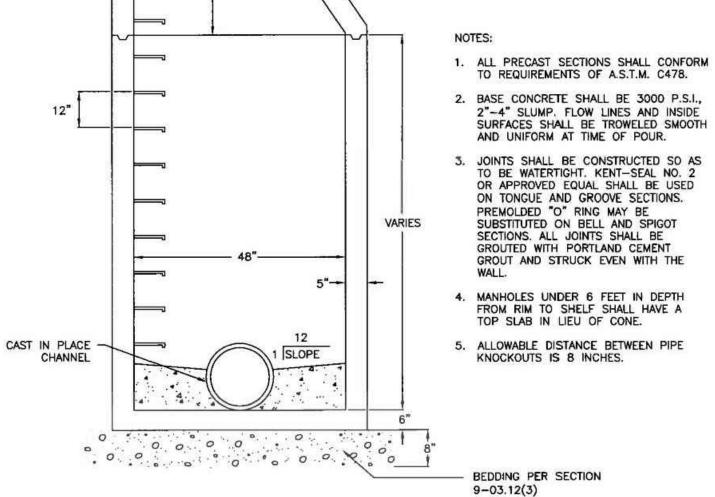


12"

CHANNEL

STANDARD MANHOLE FRAME

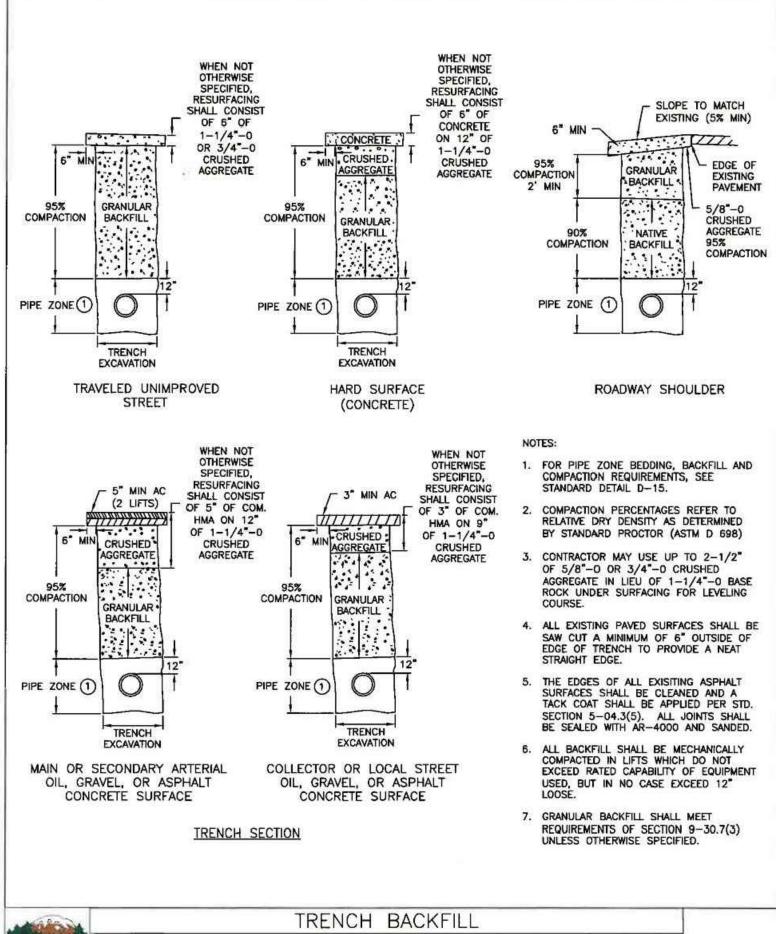
AND COVER



- RISER RINGS 12" MAX

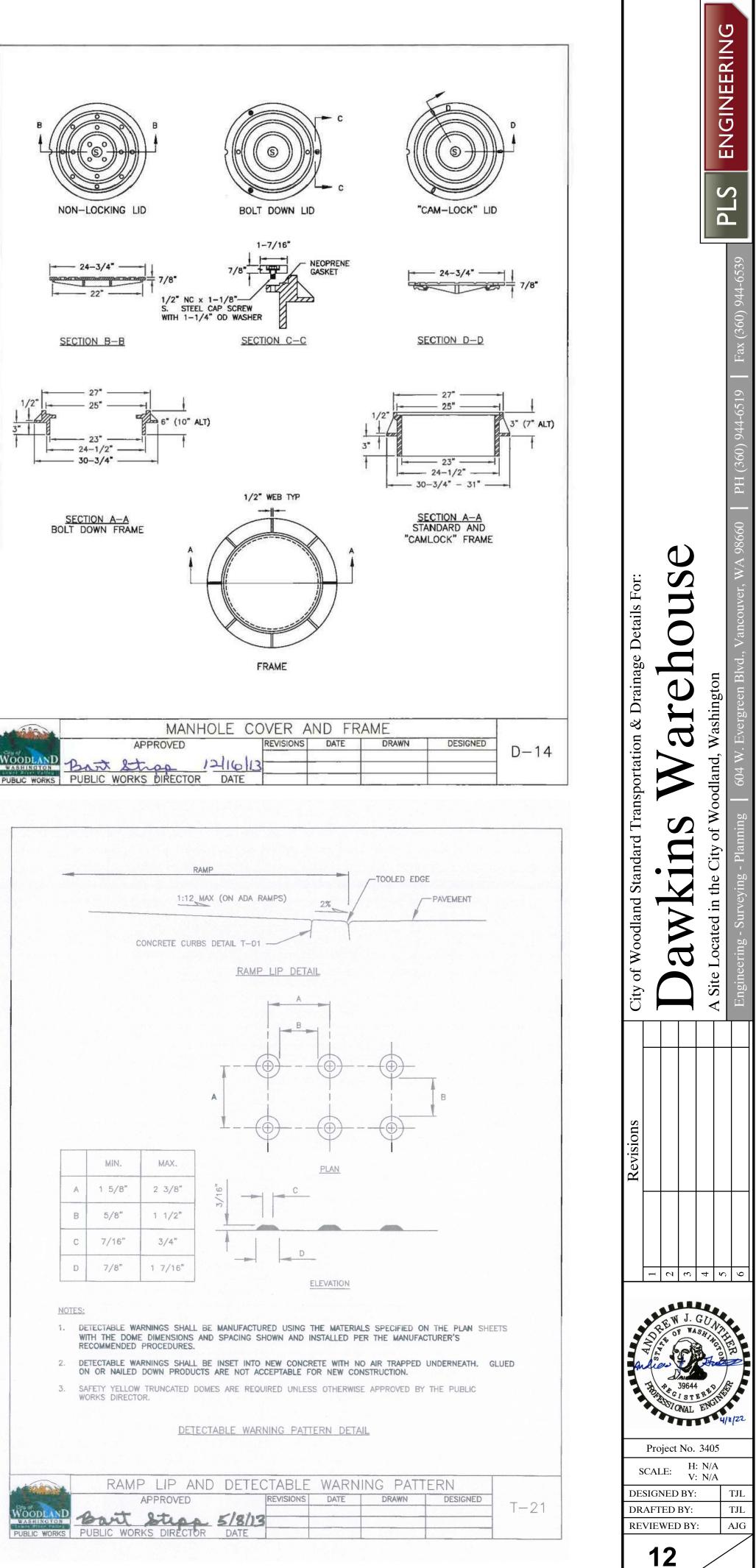
MANHOLE REVISIONS DATH DESIGNED DRAWN APPROVED D-10 OOD PUBLIC WORKS DIRECTOR DATE PUBLIC WORKS

STANDARD MANHOLE FOR 24-INCH OR SMALLER PIPE OR 30-INCH DUCTILE IRON PIPE

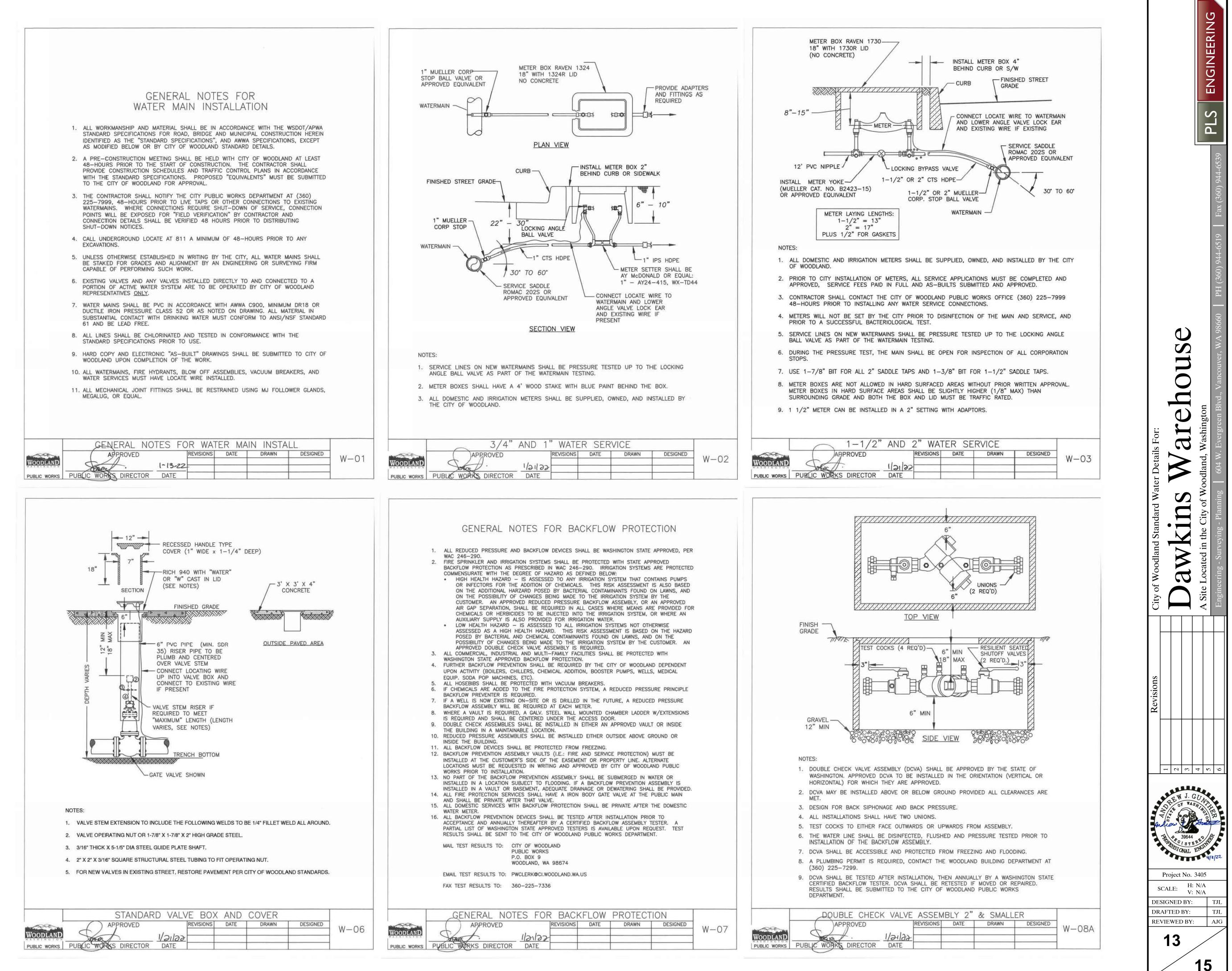


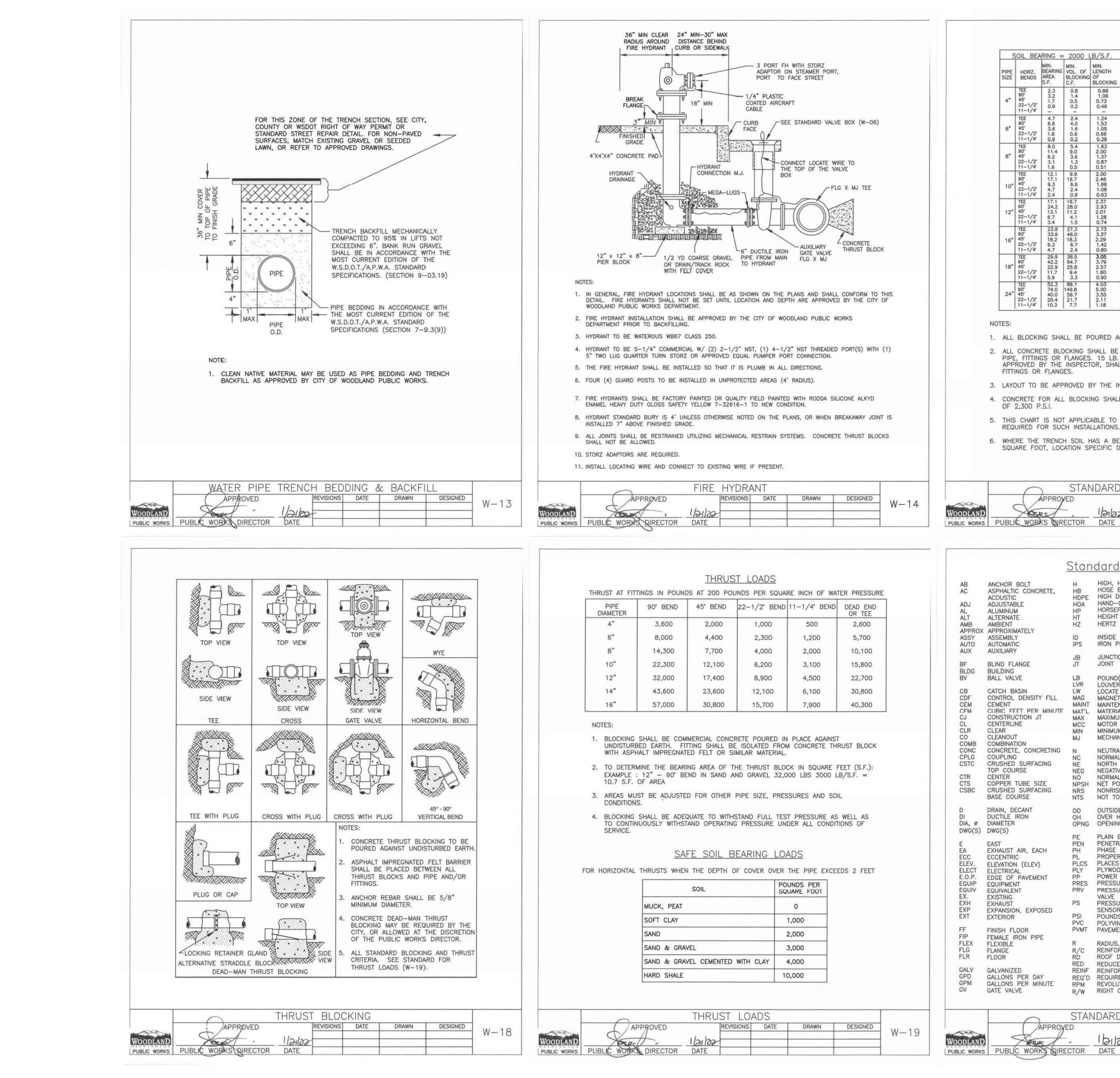
DATE DRAWN DESIGNED D-15

MARCON		TRENCI	H BACK	FILL			
	APPROVED		REVISIONS	DATE	DRAWN	DESIGNED	D 16
VOODLAND	Brock St. DA	12/10/13	2				D-10
PUBLIC WORKS	PUBLIC WORKS DIRECTOR	DATE					(



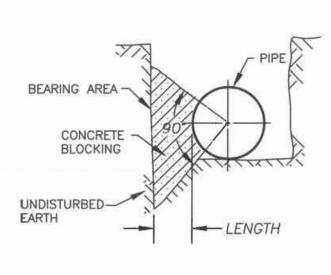
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S	OIL BEA	ARING =	2000 L	B/S.F.
PIPE SIZE	HORZ. BENDS	MIN. BEARING AREA S.F.	MIN. VOL. OF BLOCKING C.F.	MIN. LENGTH OF BLOCKING
4*	TEE 90° 45° 22-1/2° 11-1/4°	2.3 3.2 1.7 0.9	0.8 1.4 0.5 0.2	0.86 1.06 0.73 0.46
6"	TEE	4.7	2.4	1.24
	90'	6.6	4.0	1.53
	45'	3.6	1.6	1.05
	22-1/2'	1.8	0.6	0.66
	11-1/4'	0.9	0.2	0.39
8"	TEE	8.0	5.4	1.63
	90°	11.4	9.0	2.00
	45°	6.2	3.6	1.37
	22-1/2°	3.1	1.3	0.87
	11-1/4°	1.6	0.5	0.51
10"	TEE	12.1	9.9	2.00
	90'	17.1	16.7	2.46
	45'	9.3	6.6	1.69
	22-1/2'	4.7	2.4	1.08
	11-1/4'	2.4	0.9	0.63
12"	TEE	17.1	16.7	2.37
	90'	24.2	28.0	2.93
	45'	13.1	11.2	2.01
	22-1/2'	6.7	4.1	1.28
	11-1/4'	3.4	1.5	0.74
16"	TEE	23.8	27.3	2.73
	90'	33.6	46.0	3.37
	45'	18.2	18.3	2.29
	22-1/2'	9.3	6.7	1.42
	11-1/4'	4.7	2.4	0.80
18"	TEE	29.9	38.5	3.05
	90°	42.2	64.7	3.79
	45°	22.9	25.8	2.57
	22-1/2°	11.7	9.4	1.60
	11-1/4°	5.9	3.3	0.90
24"	TEE	52.3	89.1	4.03
	90'	74.0	149.8	5.00
	45'	40.0	59.7	3.55
	22-1/2'	20.4	21.7	2.11
	11-1/4'	10.3	7.7	1.18

REQUIRED FOR SUCH INSTALLATIONS.



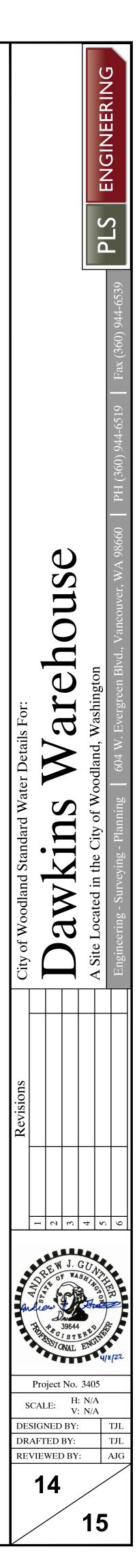
NOTES:

1. ALL BLOCKING SHALL BE POURED AGAINST FIRM UNDISTURBED SOIL.

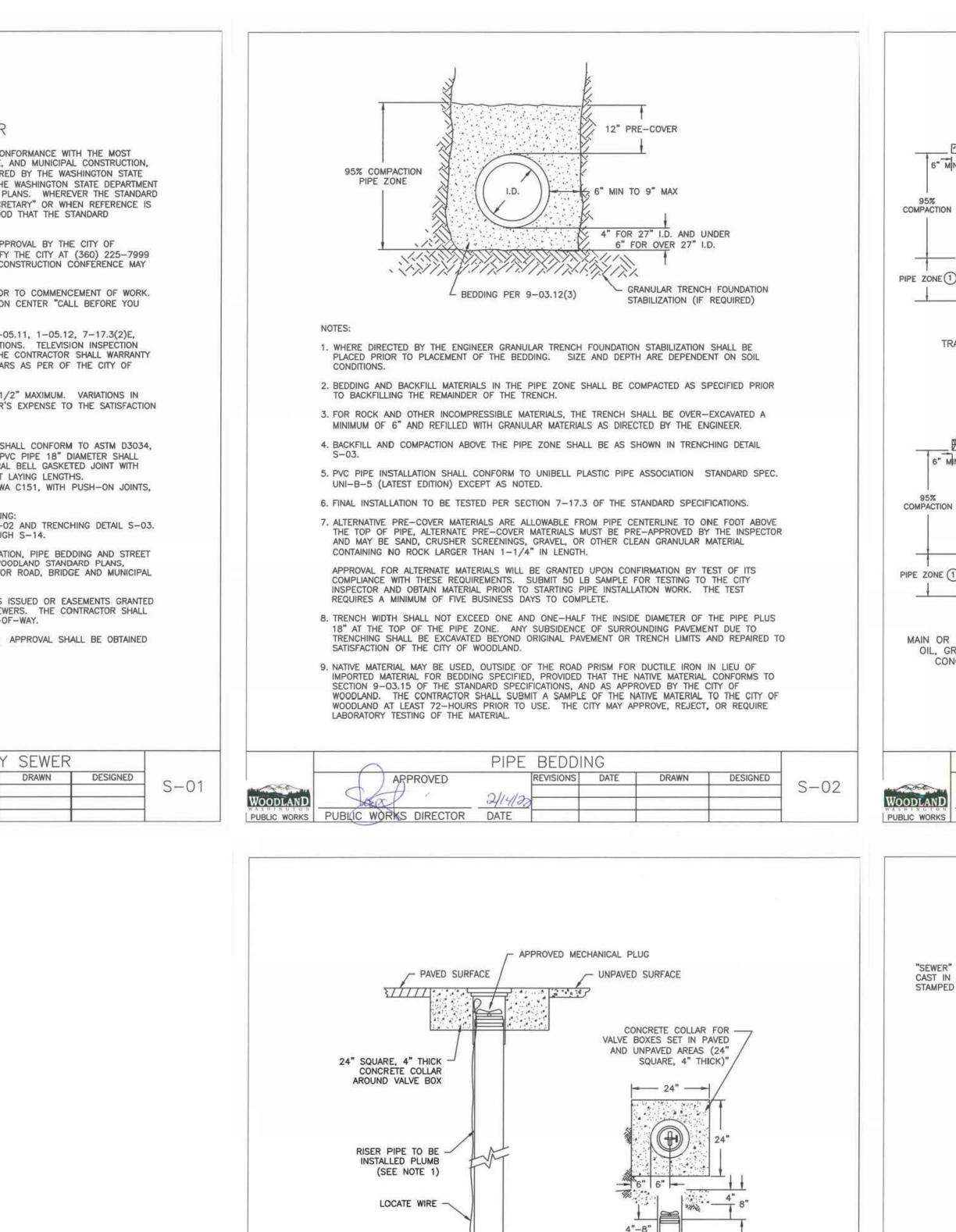
- 2. ALL CONCRETE BLOCKING SHALL BE POURED IN PLACE WITHOUT DIRECT CONTACT TO PIPE, FITTINGS OR FLANGES. 15 LB. ASPHALT- IMPREGNATED FELT, OR EQUIVALENT AS APPROVED BY THE INSPECTOR, SHALL BE PLACED BETWEEN THE CONCRETE AND PIPE, FITTINGS OR FLANGES.
- 3. LAYOUT TO BE APPROVED BY THE INSPECTOR PRIOR TO AND AFTER CONCRETE POUR.
- 4. CONCRETE FOR ALL BLOCKING SHALL HAVE A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 2,300 P.S.I.
- 5. THIS CHART IS NOT APPLICABLE TO VERTICAL BENDS, LOCATION SPECIFIC DESIGN IS
- 6. WHERE THE TRENCH SOIL HAS A BEARING PRESSURE LESS THAN 2000 POUNDS PER SQUARE FOOT, LOCATION SPECIFIC DESIGN IS REQUIRED.

	STAN	IDARD	THRUS	T BLOG	CK		
ſ	(APPROVED		REVISIONS	DATE	DRAWN	DESIGNED	W-17
	See.	1/21/22					vv—17
	PUBLIC WORKS DIRECTOR	DATE					

NCHOR BOLT	н	HIGH, HORIZONTAL	S	SOUTH
SPHALTIC CONCRETE,	HB	HOSE BIB HIGH DENSITY POLYETHYLENE HAND-OFF-AUTO	SCH	SCHEDULE
COUSTIC	HDPE	HIGH DENSITY POLYETHYLENE	SEC	SECOND
DJUSTABLE	HOA	HAND-OFF-AUTO	SHT	SHEET
LUMINUM	HP	HURSEPUWER	SIM	SIMILAR
LTERNATE	HT	HEIGHT	SOLN	SOLUTION
MBIENT	HZ	HERTZ (CYCLES PER SECOND)	SPEC	
PPROXIMATELY		C. C.	SQ	SQUARE
SSEMBLY	ID	INSIDE DIAMETER IRON PIPE SIZE	SS	SANITARY SEWER, SOLID STAINLESS STEEL
JTOMATIC	IPS	IRON PIPE SIZE	SST	STAINLESS STEEL
JXILIARY	1.1	UNICTION DOM	STA	STATION
	JB	JUNCTION BOX	STD	STANDARD, STUD
IND FLANGE	JT	JOINT	SIL	STEEL
JILDING	40 H		STRUCT	STRUCTURAL
ALL VALVE	LB	POUND(S)		
	LVR	JUNCTION BOX JOINT POUND(S) LOUVER LOCATE WIRE	T	TRAP, TOP, TANGENT
ATCH BASIN	LW	LUCATE WIRE	IB	TERMINAL BUX, TUP & BUTTUM
ONTROL DENSITY FILL		MAGNETIC	T/B TC	TOP OF BANK
MENT	MAINT	MAGNETIC MAINTENANCE MATERIAL	TC	TOP OF CURB/CONCRETE
JBIC FEET PER MINUTE				TOTAL DYNAMIC HEAD
INSTRUCTION JT	MAX	MAXIMUM	TESCP	TEMPORARY EROSION AND
ENTERLINE	MCC	MAXIMUM MOTOR CONTROL CENTER MINIMUM, MINUTE	THE	SEDIMENTATION CONTROL PLAN
EAR	MIN	MINIMUM, MINUTE	THRD	
EANOUT	MJ	MECHANICAL JOINT	TOW	TOP OF WALL
MBINATION	NF.	NEUTRAL MODTU	TRANS	TRANSITION
DNCRETE, CONCRETING	N		TS	TOP OF SLAB/SLOPE
	NC	NORMALLY CLOSED	TYP	TYPICAL
RUSHED SURFACING	NE	NORTH EAST	110	
INTER	NEG	NEGATIVE NORMALLY OREN NUMBER	UG	UNDERGROUND
OPPER TUBE SIZE	NO	NORMALLY OPEN, NUMBER	UH	UNIT HEATER
RUSHED SURFACING		NET POSITIVE SUCTION HEAD	U/P	UTILITY POLE
SE COURSE	7	NONRISING STEM	1400	
OL COURSE	NTS	NOT TO SCALE	VAC	VACUUM, VOLTS ALTERNATING
RAIN, DECANT	OD	OUTSIDE DIAMETER	VAR	CURRENT
RAIN, DECANT JCTILE IRON	OH	OVER HEAD	VAR	VARIES, VARIABLE
AMETER	OPNG	OPENING	VERT	VERTICAL CURVE
/G(S)	OTINO		VTR	VERTICAL
	PE	PLAIN END, POLYETHYLENE	VIIX	VENT THROUGH ROOF
ST	PEN	PENETRATION	W	WEST, WATER
HAUST AIR, EACH	PH	PHASE	w/	WEST, WATER WITH
CENTRIC	PL	PROPERTY LINE		WITHOUT
EVATION (ELEV)	PLCS	PLACES	W/O	WASHINGTON STATE DEPARTMENT
ECTRICAL	PLY	PLYWOOD	WSDOT	OF TRANSPORTATION
GE OF PAVEMENT	PP	POWER POLE	WCEL	WATER SURFACE ELEVATION
QUIPMENT	PRES	PRESSURE	WSEL	WATER SURFACE ELEVATION WATERTIGHT, WEIGHT
QUIVALENT	PRV	PRESSURE REDUCING (RELIEF)	WT	WELDED WIRE FABRIC
ISTING	resolution of the	VALVE	44 44 F	HELPED THILE I HONO
(HAUST	PS	PRESSURE SWITCH, PRESSURE	XFMR	POWER TRANSFORMER
PANSION, EXPOSED		SENSOR	XP	EXPLOSION PROOF
TERIOR	PSI	POUNDS PER SQUARE INCH	AL.	
NATES ALTER.	PVC	POLYVINYL CHLORIDE	4	NUMBER, POUNDS
NISH FLOOR	PVMT	PAVEMENT	#	AND
MALE IRON PIPE		0.0000000000000000000000000000000000000	8	AT
EXIBLE	R	RADIUS, RISER	Ø	DIAMETER, PHASE
ANGE	R/C	REINFORCED CONCRETE	Ø	are contract to the tag of the Mittag to
OOR	RD	ROOF DRAIN, ROAD		
	RED	REDUCED(R)		
LVANIZED	REINF	REINFORCED		
LLONS PER DAY	REQ'D			
LLONS PER MINUTE	RPM	REVOLUTIONS PER MINUTE		
TE VALVE	R/W	RIGHT OF WAY		
	1.7.11			
	0T.		10	1
\frown		NDARD ABBREVIATION		
APPROVE	ED	REVISIONS DATE	DRA	WN DESIGNED W/ 2
		1 bules		W-2
X				
REAL OF	-	1/21/02		



CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, HEREINAFTER REFERENT OF AST THE "STANDARD SPECIFICATIONS", PREPARE CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA) AND THE OF TRANSPORTATION, EXCEPT AS NOTED HEREIN OR ON THE STANDARD P SPECIFICATIONS REPER TO THE OWNER AS ENTHE "THE "STATE" OR "SECRI MADE TO THE DEPARTMENT OF TRANSPORTATION IT SHALL BE UNDERSTOOL SPECIFICATIONS SHOULD READ THE "CTY". ALL SANITARY SEWER CONSTRUCTION IS SUBJECT TO INSPECTION AND APP WOODLAND PUBLIC WORKS DEPARTMENT. THE CONTRACTOR SHALL NOTIFY AT LEAST 48-HOURS PRIOR TO THE START OF CONSTRUCTION. A PRE-CO BE REQUIRED. THE CONTRACTOR IS REQUIRED TO NOTIFY ALL UTILITIES 48 HOURS PRIOR THE CONTRACTOR MUST CONTACT THE UNDERGROUND UTILITY NOTIFICATION DIG" AT (BOO) 424-5555 OR "811". FINAL ACCEPTANCE OF SANITARY SEWERS ARE SUBJECT TO SECTIONS 1-O 7-17.3(2)F, 7-17.3(2)G AND 7-17.3(2)H OF THE STANDARD PSECFICIATION. DIG" AT (BOO) 424-5555 OR "811". FINAL ACCEPTANCE OF SANITARY SEWERS ARE SUBJECT TO SECTIONS 1-O 7-17.3(2)F, 7-17.3(2)G AND 7-17.3(2)H OF THE STANDARD SPECIFICATION SHALL INCLUDE VIDEO OF ALL MANHOLES IN ADDITION TO THE PIPE. THE ALL WORK DONE UNDER CITY CONTRACT FOR A PERIOD OF TWO (2) YEAR WOODLAND GENERAL PROVISIONS FOR MUNICIPAL CONSTRUCTION. LOCAL VARIATIONS IN SLOPE (I.E. "BELLIES") MUST BE NO MORE THAN 1/ EXCESS OF THESE TO LERANCES MUST BE REPAIRED AT THE CONTRACTOR'S OF THE CITY. ALL PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING: A. POLVINIYI CHLORIDE (PVC) SEWER PIPE 15'D DUBWINE CONFORMINE TO A SANITARY SEVERS AS 5. IT SHALL HAVE A MINIMUM PIPE SITFINESS OF A 64 PSI. POL OUNFORM TO ASTIM F 679. ALL PVC PIPE SISTINESS OF A 64 PSI. POL OUNFORM TO ASTIM F 679. ALL PVC PIPE SISTINES OF A 64 PSI. POL OUNFORM TO ASTIM F 679. ALL PVC PIPE SISTINESS OF A 64 PSI. POL OUNFORM TO ASTIM F 679. ALL PVC PIPE SHALL HAVE AN INTEGRAL ELASTOMERIC GASKET AND SHALL ECONFORM TO ANSI A21.51 OR AWWA CLASS 52, UNLESS OTHERWISE NOTED. INSTALLATION OF PIPE AND MANHOLES SHALL CONFORM TO THE FOLLOWING A. PIPE SHALL			
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THE CONTRACTOR SHALL SUBMIT AN APPROVED TRAFFIC CONTROL PLAN. PRIOR TO BEGINNING CONSTRUCTION.			A
GENERAL NOTES FOR SANITARY	SHINGTON	PUBLIC WORKS DIRECTOR DATE	
WOODLAND APRROVED 2/14/22 DATE			-



	8" x 8" x 6" APPROVED TEE FLOW GLUED" CAP	OFF CEN TOLERANC 1/8"
0.	TES:	
	RISER PIPE SHALL BE 6" ASTM D 3034 SDR 35 PVC PIPE.	
5	VALVE BOX SHALL BE "RICH 910" CAST IRON, SEE SEWER CLEANOUT DETAIL S-16 OR APPROVED EQUAL.	
	THERE SHALL BE 1/2" CLEARANCE UNDER THE PIN CAST INTO THE LID.	
	CONCRETE COLLAR SHALL BE A MINIMUM STRENGTH OF 3,000 PSI.	
	PIPE BEDDING SHALL CONFORM TO PIPE BEDDING DETAIL S-02.	
	INSTALL AT EVERY SANITARY SEWER MAIN TERMINATION OUTSIDE THE RIGHT-OF-WAY.	
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	SANITARY STUB MARKER	
1	APPROVED HEVISIONS DATE DRAWN DESIGNED S-15	And the second second
-	A HIND	WOODLAND

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	APPROVED

PUBLIC WORKS PUBLIC WORKS DIRECTOR DATE

WOODLAND

