GENERAL NOTES

- 1. All work shall be performed in accordance with the Washington State Department of Transportation (WSDOT)

 Standard Specifications for Road, Bridge and Municipal Construction, current edition, and the City of Ferndale Development Standards. In the event of a conflict, the more stringent requirement shall apply.

 2. Before any construction or development activity a pre-construction meeting must be held between the contractor, owner, City Engineer and project Engineer. (Minimum 3 days prior to starting work).
- 3. Proof of liability insurance shall be submitted to the City prior to the pre-construction meeting 4. No construction or fabrication shall begin until the contractor has received and thoroughly reviewed all plans and other construction documents approved by all of the permitting authorities. Prior to the start of construction, the contractor shall verify that all required permits and approvals have been obtained. Throughout the period of construction, contractor shall comply with the terms of all permits.
- The contractor shall be responsible for determining sub-surface conditions and soils types.
 The surveyor, if required by the City, shall lay out and set any construction stakes and marks needed to establish the lines, grades, slopes or cross-sections as shown on the plans or as staked by the Engineer.

- 7. The contractor shall protect all private and public utilities from damage resulting from the work. Contractor shall restore all private and public property disrupted by the project immediately after construction.

 8. When the contractor considers the work ready for final inspection, the contractor shall request that City inspector to schedule a final inspection. The inspector will make a final inspection and notify the contractor in writing of all particulars in which the final inspection reveals the work incomplete or unacceptable. The contractor shall immediately take such corrective measures as are necessary to remedy the listed deficiencies.

 9. A copy of these approved plans must be on the job site whenever construction is in progress.

 10. The contractor shall be responsible for providing adequate safeguards, safety devices, protective equipment, flaggers, and any other needed actions to protect the life, health and safety of the public, and to protect property in connection with the performance of work covered by the contractor. Any work within traveled right-of-way that may interrupt normal traffic flow shall require at least one flagger for each direction of traffic affected. All sections of the WSDOT standard specifications 1-07.23-public convenience and safety, shall apply.

 11. No work shall occur between 7:00 pm & 7:00 am.

 12. All hard surfaced pavements must be repaired at the close of each work day. The repairs can be temporary with asphalt cold mix or permanent with hot mix asphalt or concrete. All repairs shall be according to the City of Ferndale drawing R-11.

 13. All work must be inspected by a representative of the City of Ferndale engineering division, and 24 hours notice must be given prior to starting work or to schedule inspections in accordance with section 302 of the Development Standards.

 14. The contractor shall be provided to the City of Ferndale public works department.

 15. As-built data shall be provided to the City of Ferndale upon completion of construction and provided t
- 16. complete. It shall be the contractor's full responsibility to contact the various utility companies to locate their facilities prior to starting construction. No extra compensation shall be paid to the contractor for damage and repair to these facilities caused by his work force. Call 1-800-424-5555 for utility locate 48 hours prior to work. The contractor shall notify the Engineer promptly of any conflict. The contractor shall be responsible for maintaining the integrity of all adjacent utilities which include but are not limited to: water, sewer, storm sewer, power, telephone, cable TV, irrigation, and street lighting. Contractor shall restore all private and public property disturbed by the project upon completion of the project.
- 7. A revocable encroachment permit shall be obtained prior to commencing work in the public right-of-way.
 8. Since the proposed Chambers Warehouse will utilize the last remaining service from the existing public sewer main, the City will provide a developer's agreement that must be recorded for final occupancy, acknowledging that any future building construction associated with the 4C Short Plat and/or CFL Westfall Short Plat will required a new sewer connection per City Standards.
- **EARTHWORK NOTES** The contractor shall clear, grub and clean up the site within areas marked "Clearing Limits" on the plans.
 The contractor shall excavate and grade to the alignment, grade and cross-sections shown in the plans or established by the Engineer in accordance with the project geotechnical engineering study, if applicable.
 Maximum density and optimum moisture for granular materials will be determined using ASTM D-1557 test method.
 Any unsuitable material not fit for a sub-grade shall be excavated to the boundaries set by the Engineer and replaced with a suitable backfill material. 17. 18.

- **BASES and PAVEMENT NOTES**
- Gravel bases and ballast maximum particle size passing the U.S. No. 200 sieve shall not exceed 5%.
 Ballast, gravel base and crushed surfacing shall be compacted to at least 95% of its maximum dry density.
 The contractor shall be responsible for all compaction testing, to be paid for by owner.
 Soil residual herbicide shall be placed within 24 hours of paving.
 A tack coat of asphalt emulsion shall be applied between courses of asphalt.
 All pavement repair shall be saw-cut before removal.
 Asphalt concrete pavement shall not be placed nor compacted during hours of darkness.
 Subgrade shall be certified in writing by the Engineer prior to paving.

STORMWATER MAINTENANCE NOTES

Contractor shall trim and remove brush and debris which is blocking the existing pond access gate.
 Contractor shall ensure that the gate functions as intended, is lubricated or repaired as necessary, and is not blocked by debris, brush or other obstructions.
 Contractor shall remove the fill material that was placed in the swale along the northerly property line and regrade the swale so as to maintain natural fall to the pond.

WATER MAIN NOTES 1. Test process

Test pressure for water main acceptance shall be 225 PSI at the highest point on the water line and shall be done according to City of Ferndale requirements. All purification acceptance testing shall be according to City of Ferndale requirements. The pipe will not pass unless a zero bacteria count is obtained for two consecutive tests 24 hours apart.

All work and materials shall conform to the requirements of the City of Ferndale Development Standards, Sections 702 and 705 and the most recent version of WSDOT Standard Specifications.

SANITARY SE

WER NOTES

5

The access

ctor shall clear the brush and debris between the pond access gate and the outlet pipe to allow for repairs and/or maintenance.

Igineer of Record must certify the pond maintenance noted above has been completed in mance with the Deptartment of Ecology requirements.

- All backfill shall be imported gravel and shall conform to Section 2-09 of the Standard Specifications for Road, Bridge and Municipal Construction.
- 4. All water main pipe shall have a minimum cover of 3.5 feet.

STORM DRAIN NOTES

ω

2

- All pipe and appurtenances shall be laid on a properly prepared foundation in accordance with WSDOT 7-08. This shall include leveling and compacting the trench bottom, the top of the foundation material and any required pipe bedding, to a uniform grade so that the entire pipe is supported by a uniformly dense unyielding base.

 All drainage structures, such as catch basins and manholes, not located within a traveled roadway or sidewalk shall have solid locking lids. All drainage structures associated with a permanent retention/detention facility shall have solid locking

 $\dot{\omega}$

4.

5

2

- All driveway culverts located within the right-of-way shall be of sufficient length to provide a minimum 3:1 slope from the edge of the driveway to the bottom of the ditch. Culverts shall have beveled end sections per WSDOT.
- The contractor is responsible for power, gas, telephone, television coordinating the locations of all stub-out conveyance lines with respect to the utilities (e.g.

3. Trench of4. Pipe becent5. Pipe layi

6. All side

7.

Connect:
All trenc
compact

2. Four inc

All work and materials shall be in accordance with the Standard Specifications for Road, Bridge, and Municipal Construction, current edition and the City of Ferndale Development Standards Section 5 and shall be subject to approval by the City of Ferndale.

Four inch through twelve-inch pipe shall be PVC pipe conforming to ASTM D-3034, SDR-35 or equal. Pipe joints shall include flexible gaskets conforming to the requirements of section 9-05.12(1) of the Standard Specifications. 2" PVC pipe and fittings shall be Schedule 40.

Trench excavation shall be according to section 7-08 of the Standard Specifications.

Pipe bedding shall be pea gravel per SS-1.

- All catch basins shall include the stamping "Outfall to stream, dump no pollutants"

All manholes will be according to the City of Ferndale Standard Plan No. SS-2 through SS-4. 10. All cleanouts shall be according to City of Ferndale Standard Plan SS-5. 11. All hard surfaced pavements must be repaired at the cleanouty with asphalt cold mix or permaners.

The repairs

can be

must be inspected and approved by a representative of the City of Ferndale Public Works, otice must be given prior to starting work or to schedule inspections.

er pipe shall be pressure tested at 4 PSI for 15 minutes. All testing shall be done in ler the supervision of a representative of the City of Ferndale.

sch backfill under existing or future paving shall be bank run gravel, class ted to 95% of maximum density.

"b"

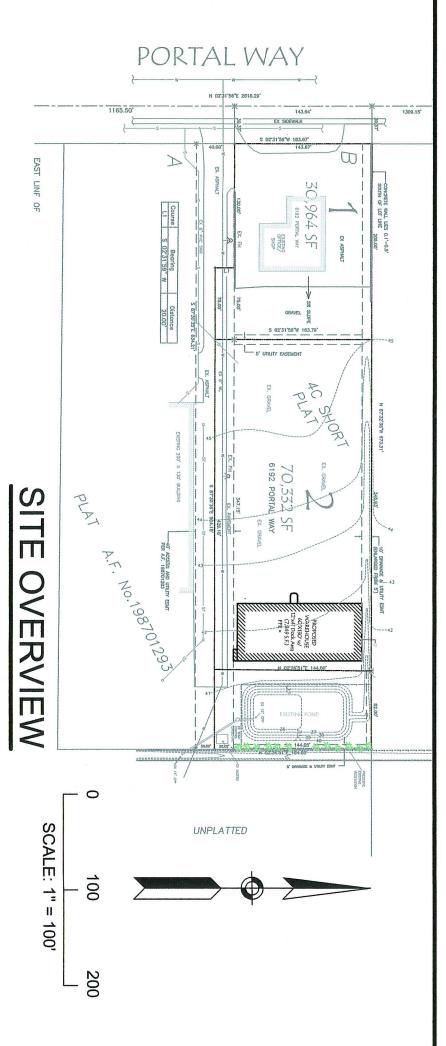
and shall be

sewers shall be constructed according to the City of Ferndale standard plan SS-6 through SS-8. side sewers per COF Dwg SS-12.

60'X1 30' WAREHOUSE DINGS,

PRO

6192 PORTAL WAY, FERNDALE, WA 98248 SEC. 17, T 39 N, R 02 E, W.M.



ABBREVIA TIONS

- NG STALL IT OF INTERSECTION ER POLE WITH CAP RCED CONCRETE
- TERLINE
 TIFIED EROSION SEDIME
 TROL LEAD
 TROL LEAD
 RUGATED METAL PIPE RET RECP RECP RECP ROW
- SCDCB SDCO SDMH SVC STD SS

ARY SEWER
ARY SEWER CLEANOUT

- /ATION E OF PAVEMENT EMENT RELE MWATER POLLUTION ENTION PLAN DRARY BENCH MARK

UMENT SHINGTON STATE DE FRANSPORTATION RUNE

SHEET INDEX

Thornton St

Portal Way

- 1 COVER SHEET
 2 EXISTING CONDITIONS and SWPPP
 3 GRADING / PAVING PLAN
 4 WATER / SEWER PLAN
 5 CONSTRUCTION DETAILS

ROJECT

OWNER:

FERNDALE, WA (360) 384-0307 (360)POLARIS HOLDINGS PO BOX 1767 WA 98248

CONTRACTOR:

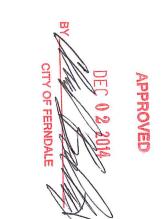
6208 PORTAL PIONEER POST FRAME, INC. 380-4436 WAY, FERNDALE, WA 98248

VISIONEERING TEAM CIVIL ENGINEER:

380-4436 x102 FERNDALE,

INFORMATION

U







\$

\$

ENGINEER'S CERTIFICATION:
I hereby certify that the improvements on Polaris Warehouse have been inspected by me and, to the best of my knowledge, have been constructed in conformance with the City of Ferndale Development Standards, the City of Ferndale Municipal Code and Standards adopted by reference therein,

- EXIST SD CATCH BASIN (TYPE I)
 EXIST SD CATCH BASIN (TYPE 2)

- 0
- PROPOSED SEWER CLEANOUT PROPOSED SEWER MANHOLE

- ≶ ମ EXIST UNDERGROUND PHONE

VISIONEERING TEAM
6208 PORTAL WAY
FERNDALE, WA 98248
(360) 510-0480

- 0 1/1 EXIST DITCH/DRAINAGE SWALE EXIST SANITARY SEWER LINE STORM DRAIN LINE
- 0 EXST FENCE
- EXIST R/W CENTER LINE PROPOSED FENCE
- EXIST/AS-BUILT ROAD CENTER LINE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STORM DRAIN LINE (SOLID WALL)

COVER SHEET

DATE: 11/19/2014 DRAWN: ACH / BCO ℃ -1

AS SHOWN

Ш GE B

VICINITY MAR

PROPOSED STORM DRAIN CLEANOUT
PROPOSED STORM DRAIN CATCH BASIN
PROPOSED STORM DRAIN MANHOLE (TYPE 2)

EXIST SANITARY SEWER CLEANOUT SANITARY SEWER MANHOLE

 \boxplus EXISTING FIRE HYDRANT EXISTING WATER METER BOX HYDRANT

m o hex h his PROPOSED EXIST SIGN

= PROPOSED WATERMAIN FITTING
= EXIST UTILITY POLE
: FYICT ---

PROPOSED WATER METER/BOX PROPOSED FIRE HYDRANT EXIST TELEPHONE PEDESTAL

! ₩ -EXIST GAS MAIN
EXIST WATER LINE

PROPOSED DITCH/DRAINAGE SWALKE

POLARIS HOLDINGS, I 6192 PORTAL WAY

FERNDALE, WA 98248

PROPOSED ASPHALT PAVEMENT

PROPOSED GAS LINE SAN. SEWER LINE WATER LINE

LOCATION

Nickles St.

PROJEC

