

REFERENCE NOTES:

1. PROVIDE NEW TYPE 1 CATCH BASIN WITH GRATED LID PER WSDOT STANDARD PLAN B-5.20-02. SEE DETAIL 4/C.501.
2. PROVIDE NEW BIO-INFILTRATION SWALE PER CITY OF SPOKANE STANDARD PLAN B-102F. SEE DETAIL 5/C.501.
3. PROVIDE NEW 4\"/>
4. PROVIDE NEW 6\"/>
5. PROVIDE NEW 8\"/>
6. PROVIDE NEW 4\"/>
7. PROVIDE NEW 8\"/>
8. DAYLIGHT 8\"/>
9. CONNECT TO BUILDING DOWNSPOUTS. COORDINATE WITH MECHANICAL PLANS.
10. PROVIDE NEW STORM WATER LIFT STATION WITH PUMP IN LOADING DOCK AREA PER DETAIL 3/C.503.
11. PROVIDE 2\"/>
12. PROVIDE NEW 6\"/>
13. PROVIDE NEW 8\"/>
14. CONTRACTOR SHALL CONNECT STORM DRAINAGE PIPE TO EXISTING CATCH BASIN PER ELEVATION SHOWN.
15. PROVIDE NEW 6\"/>
16. PROVIDE NEW CLEANOUT TO GRADE PER DETAIL 6/C.502.
17. PROVIDE NEW HANDPLACED RIP-RAP PAD. PAD SHALL BE A MINIMUM OF 12\"/>

ENGINEER'S NOTES:

1. RIM ELEVATIONS OF UTILITY STRUCTURES SHALL BE INSTALLED SO THAT RIM ELEVATIONS MAY BE ADJUSTED 0.50' ± TO MATCH FINISHED GRADES.
2. CONTRACTOR SHALL IDENTIFY PROPOSED FUTURE CONCRETE CURB LOCATIONS BEFORE INSTALLING STORM WATER STRUCTURES. CONTRACTOR SHALL NOT LOCATE DRAINAGE STRUCTURE LIDS IN CURB LOCATIONS.
3. CONTRACTOR SHALL SCARIFY SWALE AND ALL LANDSCAPE AREAS PRIOR TO INSTALLING SOD OR OTHER LANDSCAPE MATERIAL.
4. CONTRACTOR SHALL CONTACT ENGINEER OF RECORD IF ANY STORM DRAINAGE PIPES ARE RECEIVING LOADING FROM THE BUILDING FOUNDATIONS.
5. FOUNDATION DRAIN AND ALL ASSOCIATED PIPING SHALL BE KEPT ENTIRELY SEPARATE FROM THE SITE STORM WATER SYSTEM, INCLUDING ALL ROOF DRAINS.

BIO-INFILTRATION SWALE "A"

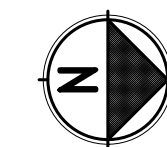
TOTAL IMPERVIOUS AREA = 64,250 SF
TREATMENT VOLUME REQUIRED = 2,677 CF
TREATMENT VOLUME PROVIDED = 2,686 CF
BOTTOM AREA = 5,070 SF
BOTTOM ELEVATION = 2333.15
RIM ELEVATION = 2333.65
BERM ELEVATION = 2334.15
SIDE SLOPE = 3:1 (MAXIMUM)

BIO-INFILTRATION SWALE "B"

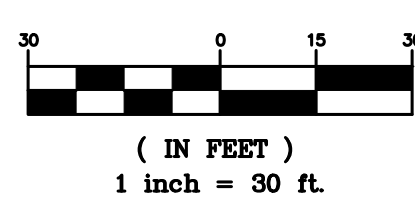
TOTAL IMPERVIOUS AREA = 78,350 SF
TREATMENT VOLUME REQUIRED = 3,265 CF
TREATMENT VOLUME PROVIDED = 3,456 CF
BOTTOM AREA = 6,429 SF
BOTTOM ELEVATION = 2333.15
RIM ELEVATION = 2333.65
BERM ELEVATION = 2334.15
SIDE SLOPE = 3:1 (MAXIMUM)

BIO-INFILTRATION SWALE "C"

TOTAL IMPERVIOUS AREA = 12,500 SF
TREATMENT VOLUME REQUIRED = 521 CF
TREATMENT VOLUME PROVIDED = 553 CF
BOTTOM AREA = 1,460 SF
BOTTOM ELEVATION = 2336.45
RIM ELEVATION = 2337.80
BERM ELEVATION = 2337.15
SIDE SLOPE = 3:1 (MAXIMUM)



GRAPHIC SCALE



FOR PERMIT

THESE DRAWINGS ARE SUFFICIENTLY COMPLETE FOR SUBMISSION TO THE JURISDICTION HAVING AUTHORITY FOR PERMIT. THE CONTRACTOR SHALL NOT USE THESE DRAWINGS FOR CONSTRUCTION UNTIL THE CONTRACTOR RECEIVES WRITTEN APPROVAL FOR USE IN CONSTRUCTION BY THE JURISDICTION HAVING AUTHORITY AND DCI ENGINEERS.

CONTRACTOR NOTE

ALL EXISTING UTILITIES SHOWN ON PLANS ARE TO BE VERIFIED HORIZONTALLY AND VERTICALLY PRIOR TO ANY CONSTRUCTION. ALL EXISTING FEATURES INCLUDING BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORD MAPS AND SURVEYS FURNISHED BY OTHERS. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS AND SURVEYS. CONTACT THE UTILITY OWNER/AGENCY FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO CONSTRUCTION.

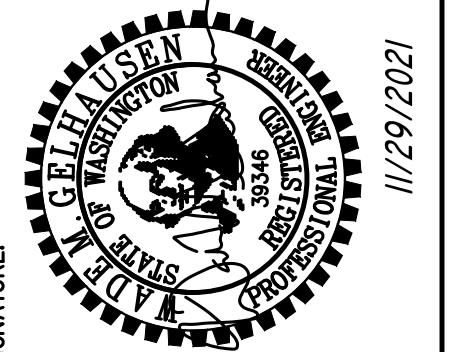
UNDERGROUND SERVICE ALERT
ONE-CALL NUMBER



811

CALL TWO BUSINESS DAYS
BEFORE YOU DIG

PREPARED BY:
DCI ENGINEERS
707 W. 2ND AVENUE
SPOKANE, WASHINGTON 99201
PHONE: (509) 455-4448 • FAX: (509) 455-7492
WEBSITE: www.dci-engineers.com
© 2021 DCI ENGINEERS, INC. All Rights Reserved.
This document, and its data and drawings, are the property of DCI ENGINEERS, INC. and shall not be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of DCI ENGINEERS, INC.



SIGNATURE:

REVISIONS:
CITY PERMIT COMMENTS 5/7/21
CITY PERMIT COMMENTS 11/2/21

APPROVALS:
Job No.: 20042-0019
Proj. Manager: WNG
Drawn: DEM
Reviewed: WNG
Dwg. Chk.: WNG
Date: 1/28/2021
Scale:

PROJECT TITLE:
**PUGET SOUND PIPE & SUPPLY
WAREHOUSE BUILDING**
9350 W 21ST AVE

SHEET TITLE:

**STORM WATER
PLAN**

SHEET NO.

C.130