



PCR #005
City of Puyallup
E-20-0612

City Engineering
333 S. Meridian
Puyallup, WA 98371
Tel: (253) 864-4165
Fax: (253) 840-6678

PLAN CHANGE REQUEST 5

DATE: 05-02-2022 PERMIT NO./REF NO: E-20-0612

1. PROJECT: Ferrucci Junior High School Addition ADDRESS: 3213 Wildwood Park Drive
2. OWNER: Puyallup School District EMAIL: vandelj@puyallup.k12.wa.us
3. DESIGN ENGINEER: Sitts & Hill Engineers, Inc. EMAIL: rickh@sittshill.com
4. CONTRACTOR: Pease & Sons, Inc. EMAIL: brandon@peaseandsons.com
5. ORIGINATOR OF REQUEST:
☒ OWNER ☒ DESIGN ENGINEER ☒ CONTRACTOR ☐ CITY OF PUYALLUP
6. DOES THIS REQUEST REQUIRE A DEVIATION FROM AN EXISTING CITY STANDARD? ☐ YES ☒ NO
7. IF YES, PLEASE SUBMIT AN ALTERNATIVE METHODS FOR CONSTRUCTION MATERIALS REQUEST APPLICATION (AMR).
8. IF NO, PLEASE COMPLETE THE FOLLOWING:
9. APPROVED CIVIL PLAN SHEET NUMBERS AFFECTED: C3.01
10. WHAT PART OF THE CITY AND/OR DEVELOPMENT INFRASTRUCTURE IS BEING AFFECTED?
☐ ROAD ☒ STORM ☐ WATER ☐ SANITARY ☐ GRADING ☐ EROSION CONTROL
11. DESCRIBE THE CHANGE BEING REQUESTED: (ATTACH ADDITIONAL INFORMATION AS NECESSARY)
During construction, we found the existing site storm drain system to perform poorly. Subsequent TV videoing has revealed that the existing storm system pipelines are near failure. Also, numerous existing pipes have debris in them, showing corrosion, or have standing water in them. The design engineer's assessment is that these existing CMP pipes are at or near failure and we recommend replacement with CPP and PVC pipes. NO additional conveyance is being added--just a remove and replace. This is essentially a maintenance project. Therefore, NO conveyance or stormwater site plan report is required.
12. ALL SIGNATURES ARE REQUIRED TO PROCESS THIS REQUEST UNLESS INITIATED BY THE CITY. FINAL APPROVAL/DENIAL WILL BE MADE BY THE CITY ENGINEER. ALL CHANGES WILL BE FULLY APPROVED/DENIED PRIOR TO ANY WORK ON REQUESTED CHANGES. ANY WORK COMPLETED PRIOR TO APPROVAL IS AT THE RISK OF THE DEVELOPER/CONTRACTOR AND MAY NOT BE APPROVED BY THE CITY ENGINEER.

OWNER

DESIGN ENGINEER

CONTRACTOR

Jeff Hill

Digitally signed
by Jeff Hill

CITY INSPECTOR

CITY REVIEWER

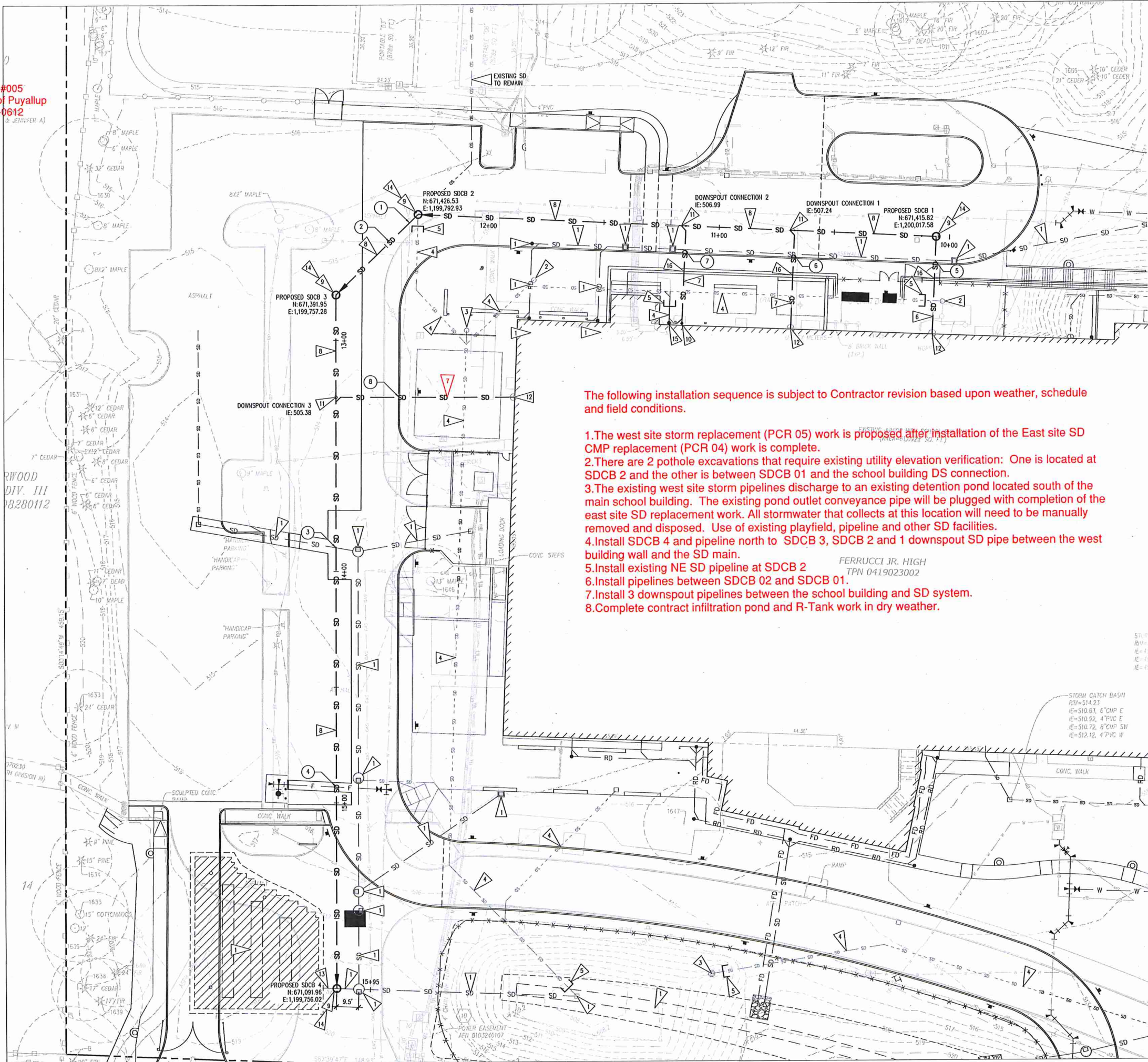
APPROVED / DENIED

Approved construction
sequence printed on Page 2
of this PCR

5/10/2022

DATE

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The following installation sequence is subject to Contractor revision based upon weather, schedule and field conditions.

1. The west site storm replacement (PCR 05) work is proposed after installation of the East site SD CMP replacement (PCR 04) work is complete.
2. There are 2 pothole excavations that require existing utility elevation verification: One is located at SDCB 2 and the other is between SDCB 01 and the school building DS connection.
3. The existing west site storm pipelines discharge to an existing detention pond located south of the main school building. The existing pond outlet conveyance pipe will be plugged with completion of the east site SD replacement work. All stormwater that collects at this location will need to be manually removed and disposed. Use of existing playfield, pipeline and other SD facilities.
4. Install SDCB 4 and pipeline north to SDCB 3, SDCB 2 and 1 downspout SD pipe between the west building wall and the SD main.
5. Install existing NE SD pipeline at SDCB 2
6. Install pipelines between SDCB 02 and SDCB 01.
7. Install 3 downspout pipelines between the school building and SD system.
8. Complete contract infiltration pond and R-Tank work in dry weather.

FERRUCCI JR. HIGH
TPN 0419023002

LEGEND

- SD NEW STORM DRAIN PIPE
- NEW TYPE I CB
- NEW TYPE II CB
- NEW STORM CLEANOUT

KEY NOTES

1. INSTALLATION PER CONTRACT BID DOCUMENTS.
2. DEMO EXISTING STORM DRAIN CLEANOUT AND PLUG.
3. DO NOT INSTALL CONTRACT CB208. PROVIDE CREDIT.
4. EXISTING STORM DRAIN PIPE TO BE ABANDONED AND FILLED WITH COF.
5. CAP AND PLUG STORM EXISTING DRAIN PIPE.
6. INSTALL NEW 6" PVC STORM PIPE @ 1.0% MIN. SEE PROFILE 2/C3.01B.
7. INSTALL NEW 6" PVC STORM PIPE. SLOPE AT 1% MIN.
8. INSTALL NEW 12" CPP STORM PIPE. SEE PROFILE 1/C3.01B.
9. INSTALL NEW TYPE II CATCH BASIN PER DETAIL 03 & 07/C3.05. SEE PROFILE 1/C3.01B.
10. INSTALL NEW 6" STORM CLEANOUT PER DETAIL 01/C3.04.
11. CONNECT EX DOWNSPOUT TO STORM PIPELINE.
12. CONNECT EX DOWNSPOUT.
13. CUT AND RECONNECT 18" CPP STORM TO NEW TYPE II CATCH BASIN.
14. PROVIDE STORM UTILITY STRUCTURE BEDDING AND BACKFILL PER DETAIL 05/C3.04.
15. REPLACE EXISTING DOWNSPOUT PIPE WITH NEW 6" PVC STORM PIPE.
16. EXPOSE AND VERIFY MECHANICAL PIPE ELEVATIONS. REPORT ELEVATIONS TO ENGINEER TO CONFIRM DESIGN.

STORM CROSSINGS

1. BTM OF EX 8" WTR=511.22
TOP OF PROP 8" SD=506.30
SEPARATION=4.92'
2. BTM OF EX 6" WTR=511.64
TOP OF PROP 8" SD=506.24
SEPARATION=5.40'
3. BTM OF 12" SD=507.07
TOP OF PROP 12" SD=505.57
SEPARATION=1.5'
4. BTM OF 8" WTR=508.73
TOP OF PROP 12" SD=505.08
SEPARATION=3.65'
5. BTM OF 8" SD=509.82
TOP OF PROP 6" SD=508.27
SEPARATION=1.55'
6. BTM OF 8" SD=510.13
TOP OF PROP 6" SD=507.94
SEPARATION=2.19'
7. BTM OF 8" SD=510.37
TOP OF PROP 6" SD=507.69
SEPARATION=2.68'
8. BTM OF EX 8" WTR=508.74
TOP OF PROP 6" SD=506.25
SEPARATION=2.49'



HORIZONTAL SCALE: 1"=20'
20 0 20 40

WEST STORM REPLACEMENT DESIGN
SCALE: 1"=20'

811 Call 811
two business days
before you dig

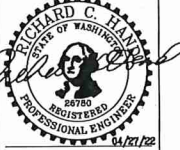
sh sits & hill
CIVIL | STRUCTURAL | SURVEY
4015 CENTER STREET | TACOMA, WA 98409
PHONE: (253) 416-8663 | FAX: (253) 416-8133
http://www.sitsandhill.com/

Project No: 18711 Project Mgr.: RCH
Proj Engineer: VMS Proj Drafter: VMS

REVISIONS		
1 ADD. 2	03/25/21	
3 ADD. 3	04/01/21	
4 PERMIT	04/27/21	
REVISIONS		
5 PERMIT	05/10/21	
REVISIONS		
6 RFI 039	07/02/21	
7 RFI 038	07/26/21	
8 RFI 073	08/09/21	
9 RFI 088	09/10/21	
10 ASI 21	04/14/22	
11 EX SD REV	04/28/22	
11R1 EX SD REV	05-09-22	

REVISION
EXISTING STORM REPLACEMENT

PUYALLUP SCHOOL DISTRICT PROJECT NO. 30-03-19
FERRUCCI JUNIOR HIGH ADDITION
3213 WILLOW PARK DR, PUYALLUP, WA 98374



NAC
ARCHITECTURE
nacarchitecture.com
2021 1ST AVENUE
SEATTLE WA 98121
P:206-441-6522

HAC NO: 121-19038
DRAWN: SAJ
CHECKED: RCH
DATE: 04/27/2022

WEST STORM
REPLACEMENT
DESIGN

SHEET 1 OF 2

C3.01A

PCR #005
City of Puyallup
E-20-0612

APPROVED

BY CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE

NOTE:
THIS APPROVAL IS VOID AFTER
180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE
RESPONSIBLE FOR ERRORS AND/OR
OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE
CHANGES TO THESE PLANS AS
DETERMINED BY THE DEVELOPMENT
ENGINEERING MANAGER.

REVISIONS		
1 ADD. 2	03/25/21	
3 ADD. 3	04/01/21	
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REVISIONS		
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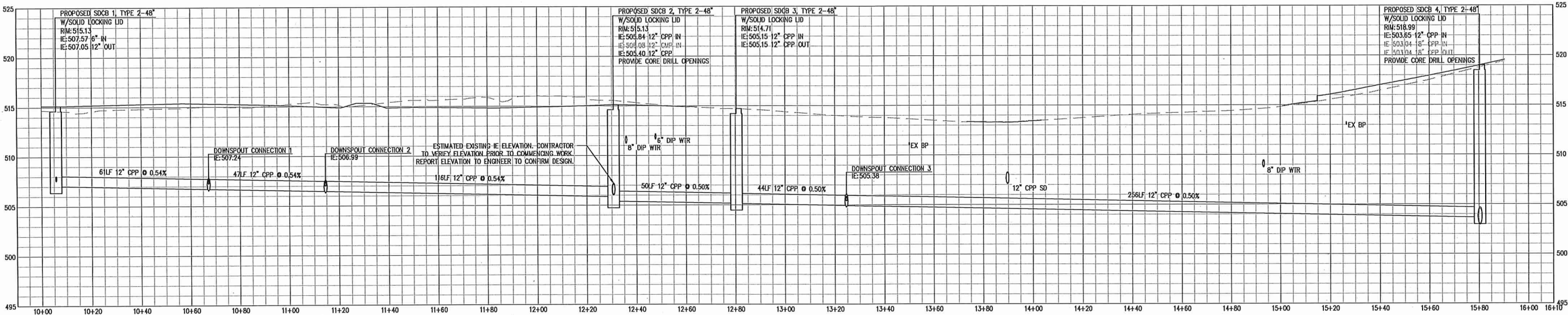
2021 1ST AVENUE
SEATTLE WA 98121
P:206.441.4522

NAC NO	121-19038
DRAWN	SAJ
CHECKED	RCH
DATE	04/27/2022

WEST STORM
REPLACEMENT
PROFILE

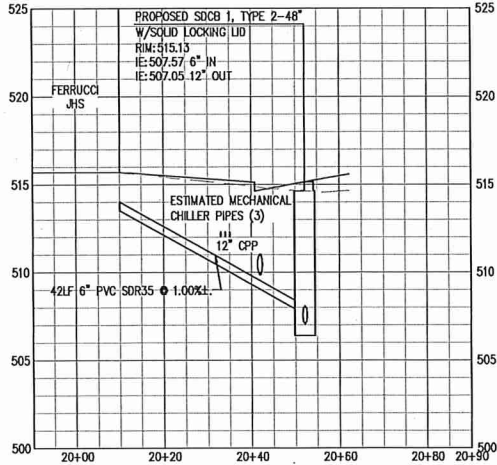
SHEET 1 OF 2

C3.01B



WEST STORM REPLACEMENT PROFILE 1

SCALE: H:1"=20' V:1"=5'



WEST STORM REPLACEMENT PROFILE 2

SCALE: H:1"=20' V:1"=5'

811

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