



PCR #004
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 4

DATE: 04-18-2022 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: C3.02 and C3.03
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 there are a couple of plugs in the existing storm system that have been or are being addressed. 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

Jeff Hill

Digitally signed
by Jeff Hill

CITY INSPECTOR

DESIGN ENGINEER

CITY REVIEWER

CONTRACTOR

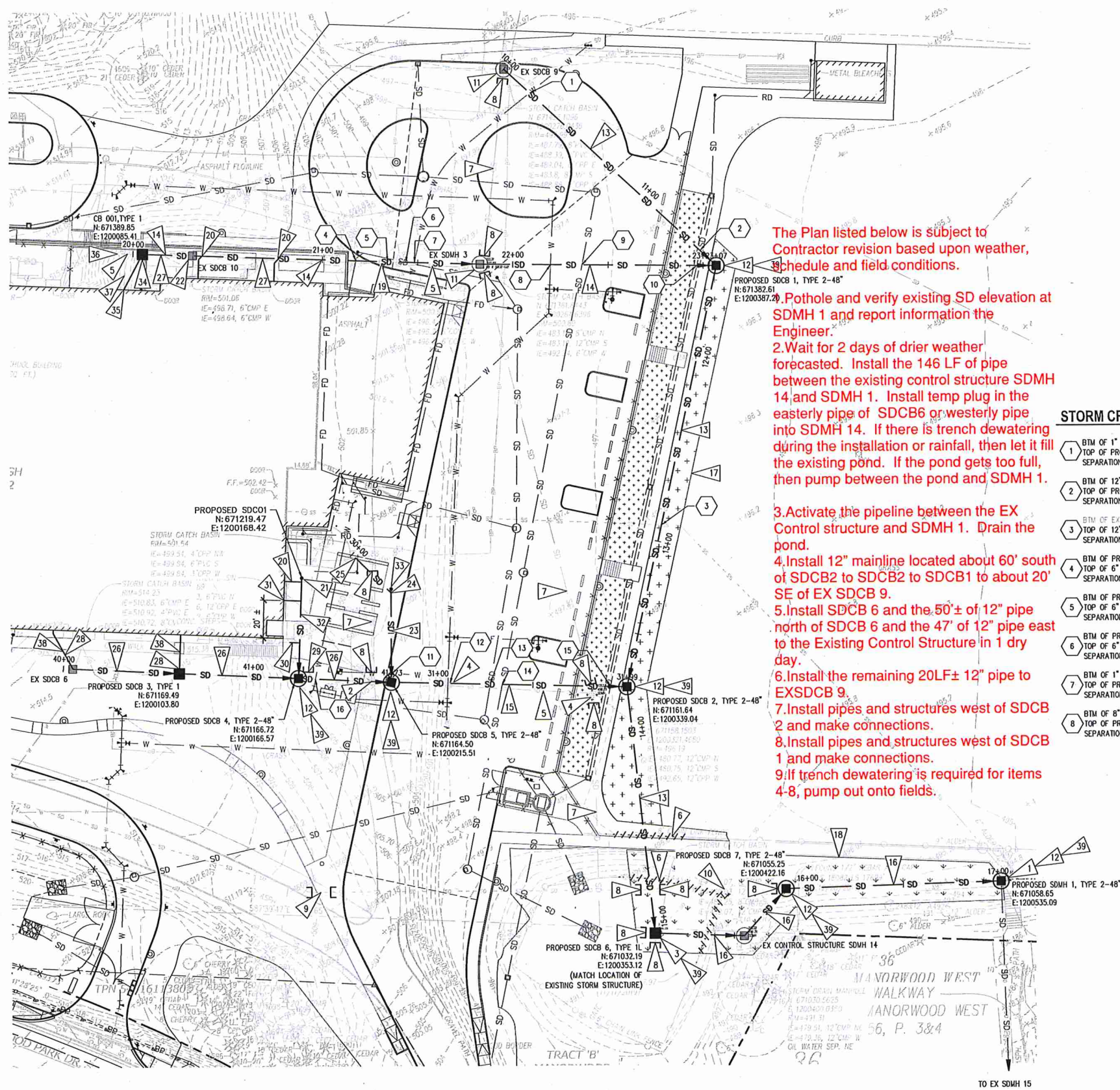
APPROVED / DENIED

Approved construction
sequence printed on Page 2
of this PCR

5/10/2022

DATE

PCR #004
City of Puyallup
E-20-0612



The Plan listed below is subject to Contractor revision based upon weather, schedule and field conditions.

7.2.1. Pothole and verify existing SD elevation at SDMH 1 and report information the Engineer.

2. Wait for 2 days of drier weather forecasted. Install the 146 LF of pipe between the existing control structure SDMH 14 and SDMH 1. Install temp plug in the easterly pipe of SDCB6 or westerly pipe into SDMH 14. If there is trench dewatering during the installation or rainfall, then let it fill the existing pond. If the pond gets too full, then pump between the pond and SDMH 1.

3. Activate the pipeline between the EX Control structure and SDMH 1. Drain the pond.
4. Install 12" mainline located about 60' south of SDCB2 to SDCB2 to SDCB1 to about 20' SE of EX SDCB 9.
5. Install SDCB 6 and the 50'± of 12" pipe north of SDCB 6 and the 47' of 12" pipe east to the Existing Control Structure in 1 dry day.
6. Install the remaining 20LF± 12" pipe to EXSDCB 9.
7. Install pipes and structures west of SDCB 2 and make connections.
8. Install pipes and structures west of SDCB 1 and make connections.
9. If trench dewatering is required for items 4-8, pump out onto fields.

LEGEND

- NEW TYPE 1/TYPE 1L CATCH BASIN
- NEW TYPE 2-48" CATCH BASIN
- SD SD
- NEW STORM DRAIN PIPELINE
- FIELD LANDSCAPE RESTORATION. SEE SHEET L2.00 FOR LANDSCAPE REQUIREMENTS.
- POND LANDSCAPE RESTORATION. SEE CITY OF PUYALLUP STANDARD DETAIL 01.02.08A/C3.07.

APPROVED

BY CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE _____

NOTE:

THIS APPROVAL IS VOID AFTER

160 DAYS FROM APPROVAL DATE

THE CITY WILL NOT BE

RESPONSIBLE FOR ERRORS AND
MISTAKES ON THESE PLANS

OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE

CHANGES TO THESE PLANS AS

DETERMINED BY THE DEVELOPMENT
MANAGER

ENGINEERING MANAGER.

KEY NOTES

- 1 EXPOSE AND VERIFY EXISTING CMP/CONCRETE SD ELEVATION PRIOR TO COMMENCING WORK. ESTIMATED CMP/CONCRETE ELEVATION IS 47.62Z. REPORT ELEVATION TO ENGINEER TO CONFIRM DESIGN.
- 2 REMOVE EXISTING TYPE 1 CB.
- 3 REMOVE EXISTING TYPE 1 CB AND INSTALL NEW TYPE 1L CB.
- 4 DEMO EXISTING STORM STRUCTURE. SEE PROFILE 3/C3.03C.
- 5 DEMOLISH EXISTING STORM DRAIN PIPELINE.
- 6 SALVAGE EXISTING FENCE. REINSTALL FENCE PER DETAIL A/L4.01.
- 7 STORM DRAIN PIPE TO BE ABANDONED AND FILLED WITH CDF.
- 8 CAP AND PLUG STORM DRAIN PIPE.
- 9 EXCAVATE TO EXISTING STORM PIPE W OF BUS LOOP. REMOVE STORM PIPE WITHIN EXCAVATION. CAP AND PLUG STORM DRAIN PIPE. FILL E STORM DRAIN PIPE UNDER BUS LOOP WITH CDF.
- 10 EXCAVATE TO EXISTING STORM PIPE. REMOVE STORM PIPE WITHIN EXCAVATION. CAP AND PLUG N STORM DRAIN PIPE. FILL STORM DRAIN PIPE WITH CDF.
- 11 FILL BOTTOM OF EXISTING STORM CATCH BASIN WITH CONCRETE 2' BELOW PROPOSED I.E. SEE PROFILE 1/C3.03B OR PROFILE 2/C3.03C AS OCCURS.
- 12 INSTALL NEW TYPE II 48" Ø CATCH BASIN. SEE PROFILE 1/C3.03B OR PROFILE 4/C3.03C AS OCCURS.
- 13 INSTALL NEW 12" CPP STORM DRAIN PIPE. SEE PROFILE 1/C3.03B.
- 14 INSTALL NEW 8" PVC STORM PIPE. SEE PROFILES 2/C3.03C.
- 15 INSTALL NEW 8" PVC STORM PIPE. SEE PROFILE 3/C3.03C.
- 16 REPLACE EXISTING 12" CMP STORM PIPE WITH NEW 12" CPP STORM PIPE INSTALLATION. SEE PROFILE 1/C3.03B.
- 17 RESTORE DISTURBED FIELD LANDSCAPE AREA. SEE LANDSCAPE PLANS FOR NOTES AND DETAILS.
- 18 RESTORE DISTURBED POND LANDSCAPE AREA PER CITY OF PUYALLUP STANDARD DETAIL 01.02.08A/C3.07.
- 19 REMOVE EXISTING TYPE 1 CB.
- 20 CONNECT EX DOWNSPOUT TO NEW 8" PVC STORM PIPE.
- 21 INSTALL 8" STORM DRAIN CLEANOUT PER DETAIL 04/C3.07.
- 22 CONNECT TO EXISTING TYPE 1 CATCH BASIN.
- 23 PROVIDE 6" PVC STORM PIPE SEE PROFILE 3/C3.03C.
- 24 INSTALL NEW 6" PVC 45' BEND.
- 25 CONNECT TO EXISTING PVC PIPE.
- 26 REMOVE EXISTING 6" CMP STORM PIPE AND INSTALL NEW 8" PVC STORM PIPE. SEE PROFILE 4/C3.03C.
- 27 REMOVE EXISTING STORM DRAIN PIPE. INSTALL NEW 8" PVC STORM PIPE. SEE PROFILE 2/C3.03C.
- 28 CONNECT DOWNSPOUT TO NEW TYPE 1 CB SEE PROFILE 4/C3.03C.
- 29 EX UNDERDRAIN PIPE FROM RECORD DRAWINGS. NOT FOUND IN PIPELINE VIDEOS. CAP IF FOUND.
- 30 EXPOSE AND VERIFY EXISTING FOOTING DRAIN PIPE. IF FOUND CONNECT TO 8" PVC PIPE.
- 31 FIELD VERIFY EXISTING STORM UNDERDRAIN. IF FOUND CONNECT TO PROPOSED 8" PVC PIPE.
- 32 NEW 8" PVC STORM PIPE. SLOPE AT 1% MIN.
- 33 INSTALL NEW 8" STORM DRAIN CLEANOUT PER DETAIL 01/C3.04.
- 34 NOTED CB001 TYPE 1 CATCH BASIN INSTALLION PER CONTRACT BID DOCUMENTS.
- 35 REPLACE EXISTING DOWNSPOUT PIPE WITH NEW 6" PVC STORM PIPE
- 36 DEMO EXISTING STORM CLEANOUT. SEE PROFILE 2/C3.03C.
- 37 DEMO EXISTING DOWNSPOUT PIPELINE.
- 38 NOTED PIPELINE IS REPLACED PER CONTRACT BID DOCUMENTS.
- 39 PROVIDE STORM UTILITY STRUCTURE BEDDING AND BACKFILL PER DETAIL 05/C3.04.

EAST STORM REPLACEMENT DESIGN PLAN

SCALE: 1"=30'



HORIZONTAL SCALE: 1"=30'

811 Call 811 two business days before you dig



CIVIL | STRUCTURAL | SURVEY
4815 CENTER STREET | TACOMA, WA. 98409
PHONE: (253) 474-3449 | FAX: (253) 474-0153
<http://www.siltishill.com/>

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

REVISIONS

ADD. 2	03/25/21
ADD. 3	04/01/21
PERMIT	04/27/21
REVISIONS	
PERMIT	05/10/21
REVISIONS	
RFI 039	07/02/21
RFI 038	07/26/21
RFI 073	08/09/21
RFI 088	09/10/21
ASI 21	04/14/22
EX SD REV	05/02/22

REVISION
EXISTING STORM REPLACEMENT

PUYALLUP SCHOOL DISTRICT PROJECT NO. 30-03-19
FERRUCCI JUNIOR HIGH ADDITION



NAC
ARCHITECTURE
nacarchitecture.com
2021 1ST AVENUE
SEATTLE WA 98121
P:206.441.4522

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

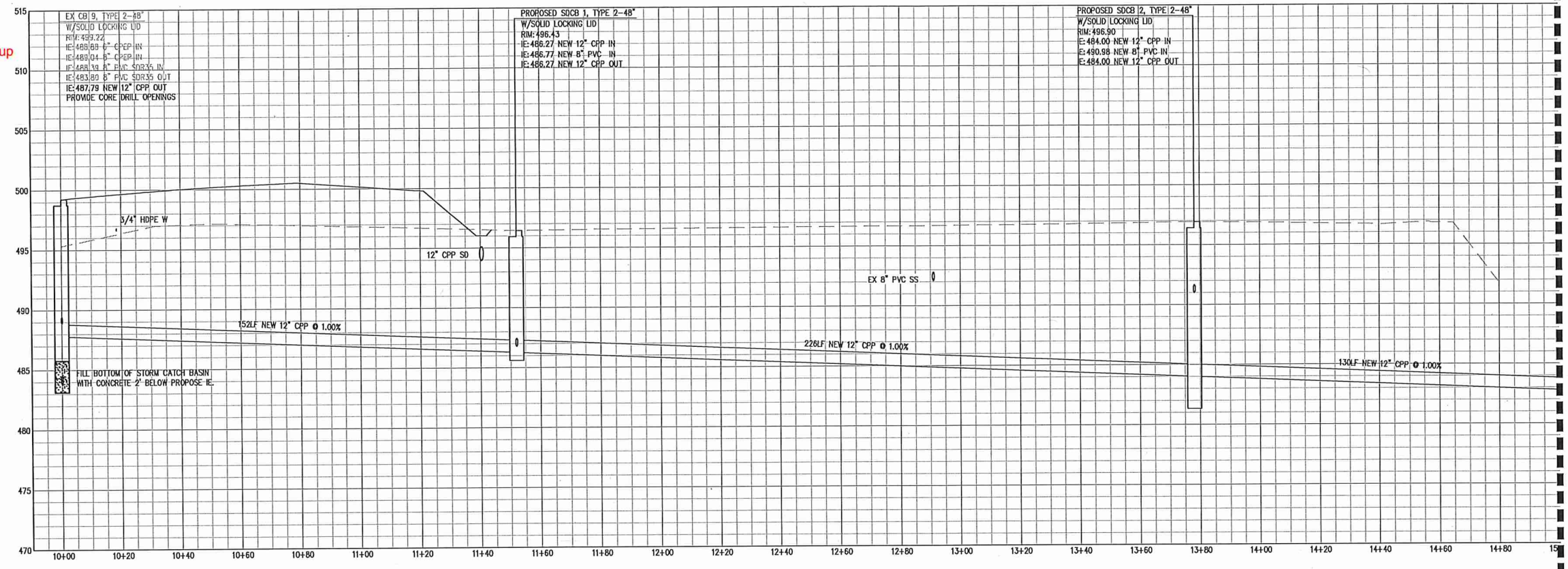
EAST STORM REPLACEMENT DESIGN

SHEET 1 OF 3

C3.03A

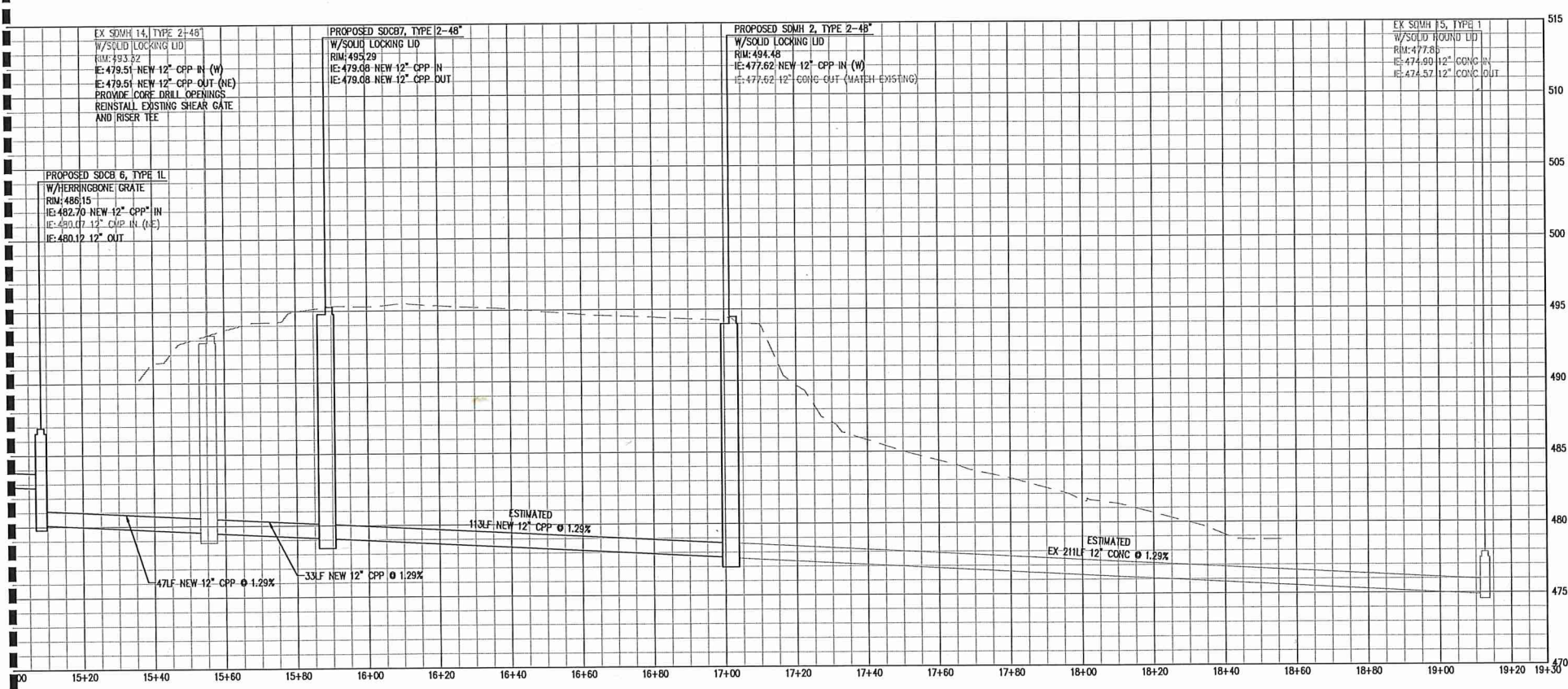


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E-20-0612



EAST STORM REPLACEMENT PROFILE 1
SCALE: H:1"=20' V:1"=5'

MATCH LINE 15+00.00
SEE ABOVE FOR CONTINUATION



EAST STORM REPLACEMENT PROFILE 1
SCALE: H:1"=20' V:1"=5'

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.

MATCH LINE 15+00.00
SEE BELOW FOR CONTINUATION

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	05/02/22	

REVISION
EXISTING STORM REPLACEMENT

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



NAC
ARCHITECTURE
nacarchitecture.com
2021 1ST AVENUE
SEATTLE WA 98121
P206-481-4322

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

EAST STORM
REPLACEMENT
PROFILES

SHEET 2 OF 3

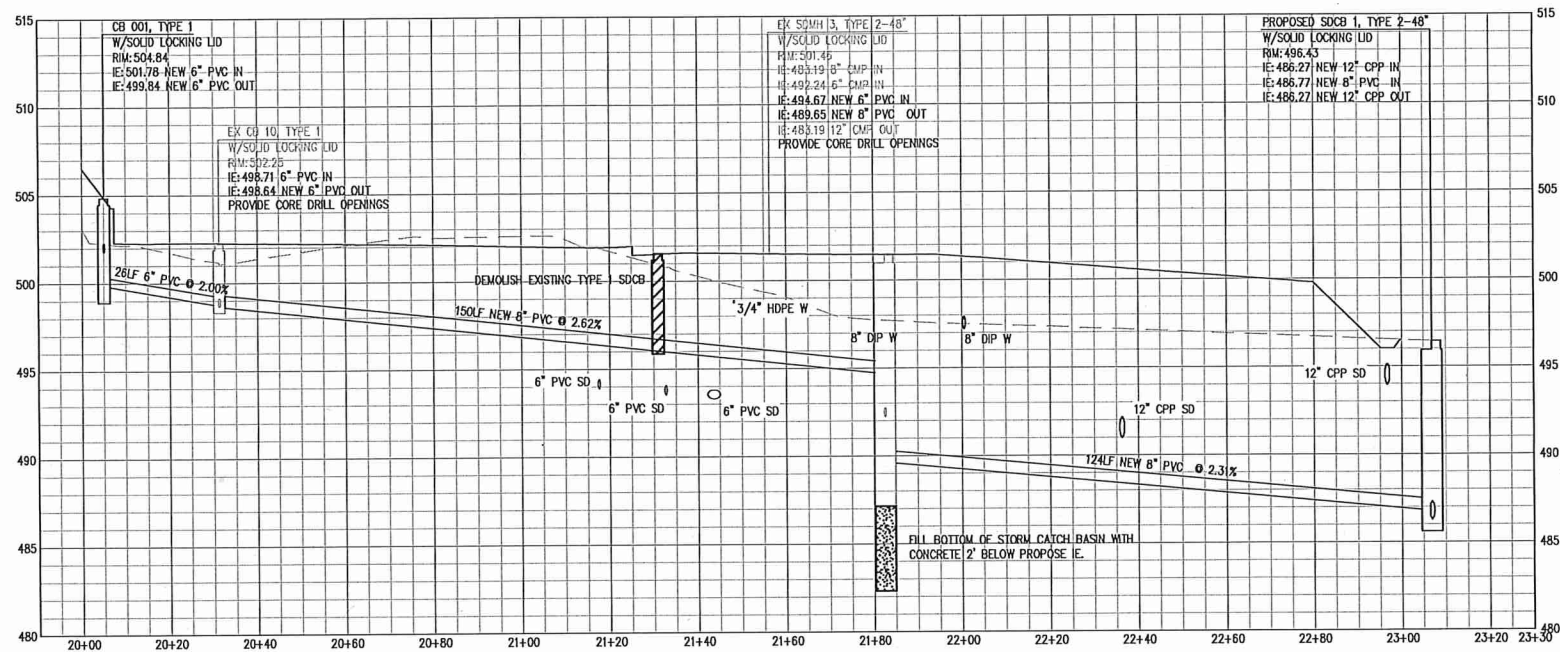
C3.03B

811 Call 811
two business days
before you dig

sh **sitts & hill**
CIVIL | STRUCTURAL | SURVEY
4215 CENTER STREET | TACOMA, WA 98409
PHONE: (253) 474-9449 | FAX: (253) 474-6153
http://www.sitts-hill.com/
Project No.: 18711 Project Mgr.: RCH
Proj. Engineer: VMS Proj. Drafter: VMS

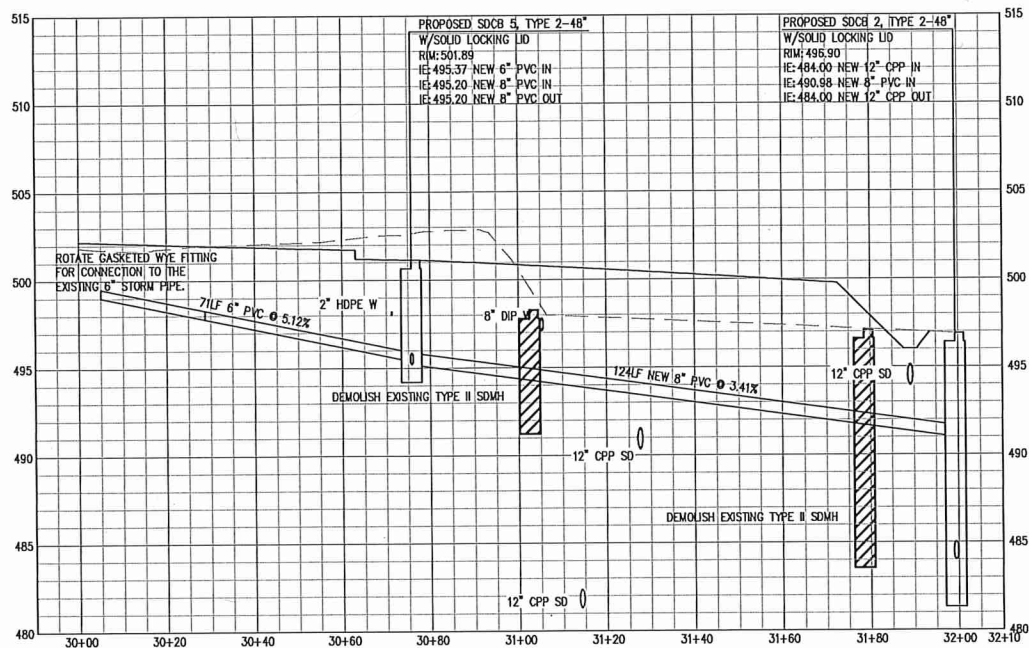


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E-20-0612



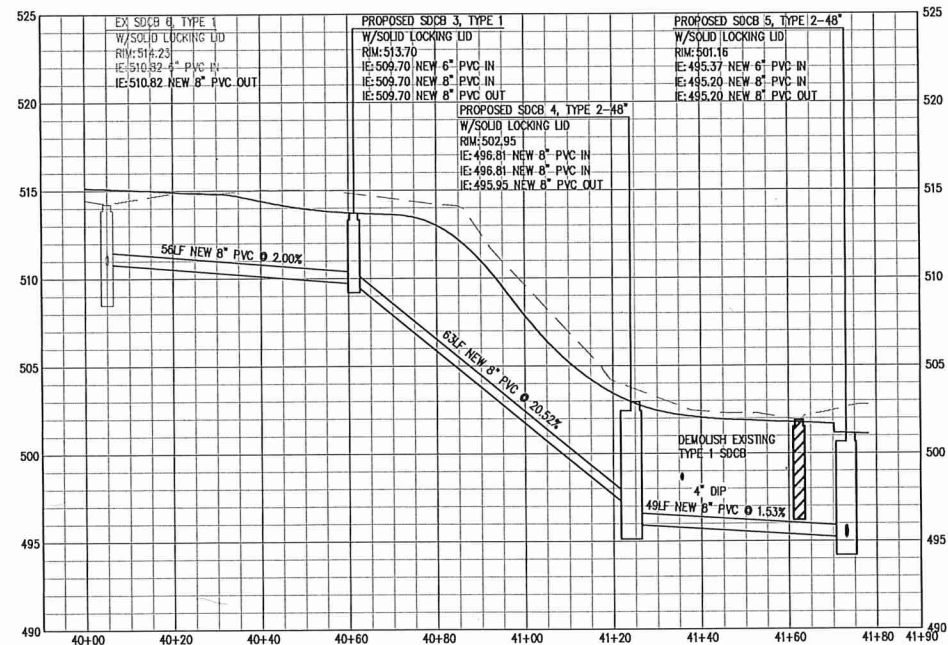
EAST STORM REPLACEMENT PROFILE 2

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



EAST STORM REPLACEMENT PROFILE 3

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



EAST STORM REPLACEMENT PROFILE 4

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

APPROVED
BY: CITY OF PUYALLUP
DEVELOPMENT ENGINEERING
DATE: _____
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ENGINEERING MANAGER.

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	05/02/22	

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
P206-441-4322

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

EAST STORM
REPLACEMENT
PROFILES 2

SHEET 3 OF 3

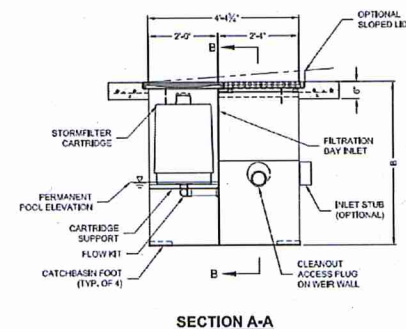
C3.03C



CIVIL | STRUCTURAL | SURVEY
4315 CENTER STREET | TACOMA, WA 98409
PHONE: (253) 474-9449 | FAX: (253) 474-0153
http://www.sitshill.com/

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

811 Call 811
two business days
before you dig



1. **1/4" gpm/si SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHORUS[®] (PSORC) MEDIA ONLY**

GENERAL NOTES

1. CONTACT FOR DETAILS ALL MATERIALS UNLESS NOTED OTHERWISE.

2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STORAGE TANK CATCHBASIN STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTRACTOR FOR DETAILED SOLUTIONS TO BE REPRODUCED AT THE: www.harsco.com

3. STORAGE TANK CATCHBASIN WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THE SPECIFICATIONS.

4. **FILTER SHOULD NOT BE LOWER THAN OUTLET, INLET (IF APPLICABLE) AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY CONTRACTOR.**

5. **WATER SHOULD TO APPLY A SURFACE DEAD WEIGHT IN THE SHIP OF THE LETTER "O" ABOVE THE OUTLET PIPE STUD ON THE EXTERIOR SURFACE OF THE STEEL SHIP.**

6. **STORAGE TANK CATCHBASIN EQUIPPED WITH 4" (40 APPROXIMATE) LONG STUDS FOR INLET (IF APPLICABLE) AND OUTLET PIPING. STANDARD 12" (12 APPROXIMATE) INCHES IN DIAMETER. MAXIMUM OUTLET STUD IS 12" INCHES IN DIAMETER. CONNECTION TO COLLECTION PIPED CAN BE MADE USING FLEXIBLE COUPLING BY CONTRACTOR.**

7. **STEEL STRUCTURE TO BE MANUFACTURED OF 1/4" THICK STEEL PLATE. CATCHES SHALL MEET AND EXCEED W8X10 LAG LOADS. TO MEET HSE 12" (12 APPROXIMATE) INCHES IN DIAMETER. MAXIMUM OUTLET STUD IS 12" INCHES IN DIAMETER. REQUIRED. CONCRETE COLLAR WITH 4" REINFORCING BARS TO BE PROVIDED BY CONTRACTOR.**

8. **FILTER CATCHES SHALL BE MEDIA-TYPE, PASSIVE, 100% AVAILABLE, RAIN FLOW, AND SELF-CLEANING. RAIN MEDIA DEPTH SHALL BE 18" (18 APPROXIMATE) INCHES. FILTER MEDIA CATCHES THIS SHALL BE AT LEAST 31 SECONDS.**

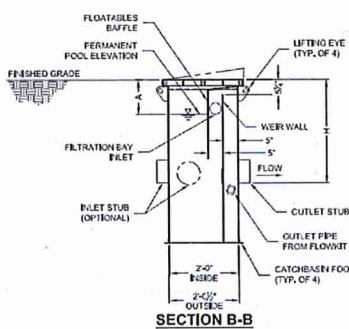
9. **SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (GPM) DIVIDED BY THE FILTER CATCH SURFACE AREA (sq ft).**

INSTALLATION NOTES

1. **ANY SUB-BASE, BACKFILL DEPTH, AND OR ANTI-OILSPILL PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY THE USER OR RECORD.**

2. **CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CATCH-BASIN (LIFTING CLUTCHES PROVIDED).**

3. **CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PREVENT CATCHES/FROM CONSTRUCTION-RELATED DROPPED RUNOFF.**



1-CARTRIDGE CATCHBASIN STORMFILTER DATA			
STRUCTURE ID	WATER QUALITY FLOW RATE (cfs)		SC 016
PEAK FLOW RATE (cfs)			0.173
RETURN PERIOD OF PEAK FLOW (yrs)			100
CARTRIDGE HEIGHT (27", 18", 8" DEEP)			18"
CARTRIDGE FLOW RATE (gpm)			7.5
MEDIA TYPE (PERLITE, ZPG, PSF08)			ZPG
RM ELEVATION			500.00
PIPE DATA:	LE	DIAMETER	
INLET STUB			
OUTLET STUB	497.70	12"	
CONFIGURATION			
			
SLOPED LID		YES/NO	
SOLID COVER		YES/NO	
NOTES/SPECIAL REQUIREMENTS:			

1 CARTRIDGE CATCHBASIN
STORMFILTER
STANDARD DETAIL

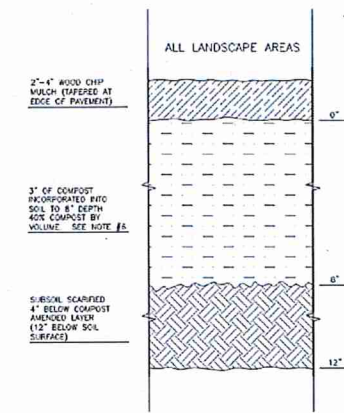


**CITY OF
PUYALLUP**
DEVELOPMENT ENGINEERING and

SOIL AMENDMENT AND DEPTH

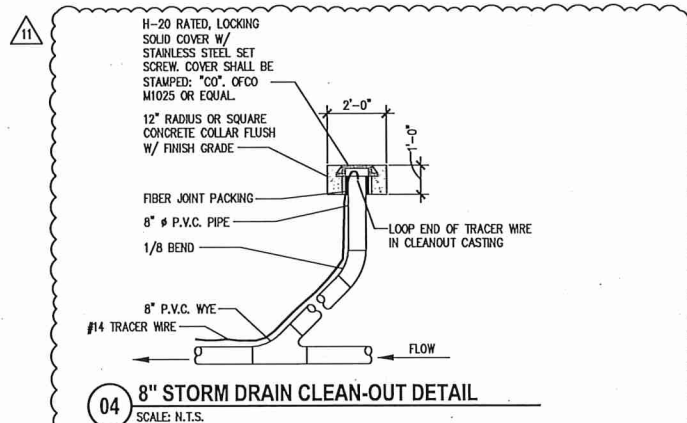
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SOIL AMENDMENT AND DEPTH



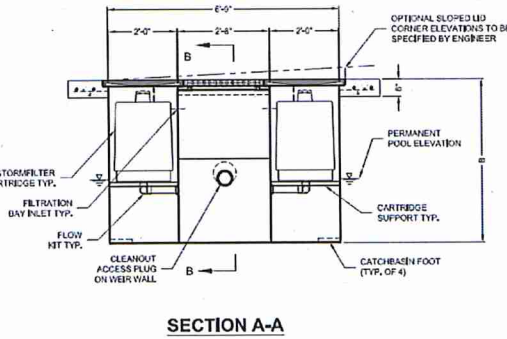
7. **NOTES:**

1. ALL SOIL AREAS EXPOSED OR COMPACTED DURING CONSTRUCTION, AND NOT COVERED BY BUILDINGS OR PAVEMENT, SHALL BE AMENDED WITH COMPOST AS DESCRIBED BELOW.
2. SUBSOIL SHOULD BE SCARIFIED (LOOSENED) 4 INCHES BELOW AMENDED LAYER, TO PRODUCE 12-INCH DEPTH OF UN-COMPACTED SOIL, EXCEPT WHERE SCARIFICATION WOULD DAMAGE TREE ROOTS OR AS DETERMINED BY THE ENGINEER. SEE NOTE BELOW REGARDING PLANTING STEPS FOR STREET TREES.
3. COMPOST SHALL BE FILLED IN TO 8 INCH DEPTH OVER EXISTING SOIL, OR PLACE 8 INCHES OF COMPOST-AMENDED SOIL, PER SOIL SPECIFICATION.
4. PLANTED TREES SHALL RECEIVE 3 BUSHES OF COMPOST TIELED IN TO 4 INCHES OF EXISTING OR NEW SUBSTRATE IF OF IMPROVED SOIL, CONTAINING 35-40% ORGANIC BY VOLUME. AMOUNTS ABOVE PLANTING, WITH A PROPORTION OF AT LEAST 80% COARSE MULCH OR APPROVED LAYER (OF LOSS OF SOIL) TO COVER THE AREA OF THE PLANTING TO MATCH SETTING TO 7 IN.
5. METHODS TO PREVENT UNIFORM SETTLING, DO NOT COMPOST-AMEND SOILS WITHIN 3 FEET OF UTILITY INFRASTRUCTURES (GULDS, VALVES, METERS, ETC.) WITHIN ONE FOOT OF PAVEMENT, EDGES, CURBS AND SIDEWALKS SO SHOULD BE COMPACTED TO APPROXIMATELY MATCH PRODUCTION SOIL WITHIN 3 FEET.
6. SEE SECTION B(2)(b) OF THE VMS FOR SOIL AMENDMENT AND INSTRUCTION PROCEDURES FOR STREET TREE PLANTER STRIPS. ALL STREET TREE PLANTER STRIPS SHALL RECEIVE 40 INCHES COMPOST AMENDED SOIL TO THE FULL DEPTH OF THE STREET TREE ROOFTOP.



04 8" STORM DRAIN CLEAN-OUT DETAIL
SCALE: N.T.S.

01 SF 01 DETAIL
SCALE: N.T.S.



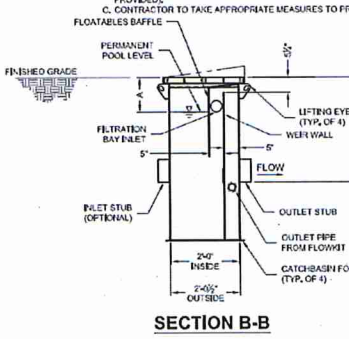
* 1.57 gpm) SPECIFIC FLOW RATE IS APPROVED WITH PROPOSED® (PSOR) MEDIA ONLY

GENERAL NOTES

1. CONTACT TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAIL STORAGE TREATMENT STRUCTURE, DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTRACTOR FOR SPECIFIC SOLUTIONS. LINK TO THE SPECIFICATIONS: WWW.VITECHES.COM
3. STORAGE TREATMENT WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS SPECIFICATION.
4. INLET FIT SHOULD NOT BE LOWER THAN OUTLET. INLET (IF APPLICABLE) AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY CONTRACTOR.
5. CONTRACTOR WIVES TO APPLY A SURFACE BEHIND PIPED IN THE SHAPE OF THE LETTER "O" ABOVE THE OUTLET PIPE STUB ON THE EXTERIOR SURFACE OF THE STEEL SHELL.
6. STORAGE TREATMENT EQUIPPED WITH A 1" (400) HORIZONTAL LONG STUBS FOR INLET (IF APPLICABLE) AND OUTLET PIPING, STANDARD 150 LB INCH IN DIAMETER, WELDED OUTLET STUBS 1 INCHES IN DIAMETER, CONNECTION TO COLLECTION PIPE CAN BE MADE USING FLEXIBLE COUPLING BY CONTRACTOR.
7. STEEL STRUCTURE SHALL BE MANUFACTURED OF 14 INCH STEEL PLATE. CASTINGS SHALL MEET ASHTO MODULUS RATING. TO MEET MODULUS RATING OF 14 INCH STEEL PLATE, ALL WELDS SHALL BE REINFORCED WITH CONCRETE COLLARS WITH REINFORCING BARS TO BE PROVIDED BY CONTRACTOR.
8. STEEL CAP RIDGES SHALL BE WELDED PLATE, 3/16" (20) ANGLE, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 18 INCHES. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 30 SECONDS.
9. FILTER FLOW RATE IS EQUAL TO THE FLTR TREATMENT CAPACITY (GPM) DIVIDED BY THE FLTR CONTACT SURFACE AREA (sq ft)

INSTALLATION NOTES

- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY THE OWNER OR RECORD.
- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFT AND REACH CAPACITY TO LIFT AND SET THE CATCH-BAS (LIFTING CLUTCHES PROVIDED).
- C. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CATCH-BAS FROM CONSTRUCTION-RELATED EROSION/FLOODING.



2-CARTRIDGE DEEP CATCHBA STORMFILTER DATA			
STRUCTURE ID			
WATER QUALITY FLOW RATE (cfs)			
PEAK FLOW RATE (<1.8 ds)			
RETURN PERIOD OF PEAK FLOW (yrs)			
CARTRIDGE FLOW RATE (gpm)			
MEDIA TYPE (PERLITE, ZPG, PSORB)			
RIM ELEVATION			
PIPE DATE		LE	DI
INLET SITUB		510.74	
CONFIGURATIONS			
Diagram showing a rectangular catchbasin with two side inlets (INLET) and one top outlet (OUTLET).		Diagram showing a rectangular catchbasin with two top inlets (INLET) and one side outlet (OUTLET).	
Diagram showing a rectangular catchbasin with two bottom inlets (INLET) and one top outlet (OUTLET).		Diagram showing a rectangular catchbasin with two side inlets (INLET) and one bottom outlet (OUTLET).	
SLOPED LID		Y	
SOLO COVER		Y	
NOTES/SPECIAL REQUIREMENTS:			

2 CARTRIDGE CATCHBASIN
STORMFILTER
STANDARD DETAIL



02 SF 02 DETAIL
SCALE: N.T.S.

1 ADD. 2	03/25/21
3 ADD. 3	04/01/21
4 PERMIT REVISIONS	04/27/21
5 PERMIT REVISIONS	05/10/21
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	05/02/22

REVISION
EXISTING STORM REPLACEMENT

PUYALLUP SCHOOL DISTRICT PROJECT NO. 30-03-19

FERRUCCI JUNIOR HIGH ADDITION

3213 WILDWOOD PARK DR, PUYALLUP, WA 98374



NAC
ARCHITECTURE
nacarchitecture.com

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

GRADING AND DRAINAGE DETAILS

SHEET 22 OF 45

C3.07



CIVIL | STRUCTURAL | SURVEY
4315 CENTER STREET | TACOMA, WA. 98409
PHONE: (253) 474-9443 | FAX: (253) 474-8153
<http://www.saltshill.com>

Project No.:	18711	Project Mgr.:	R
Proj. Engineer:	VMS	Proj. Drafter:	V

811. Call 811
two business days
before you dig