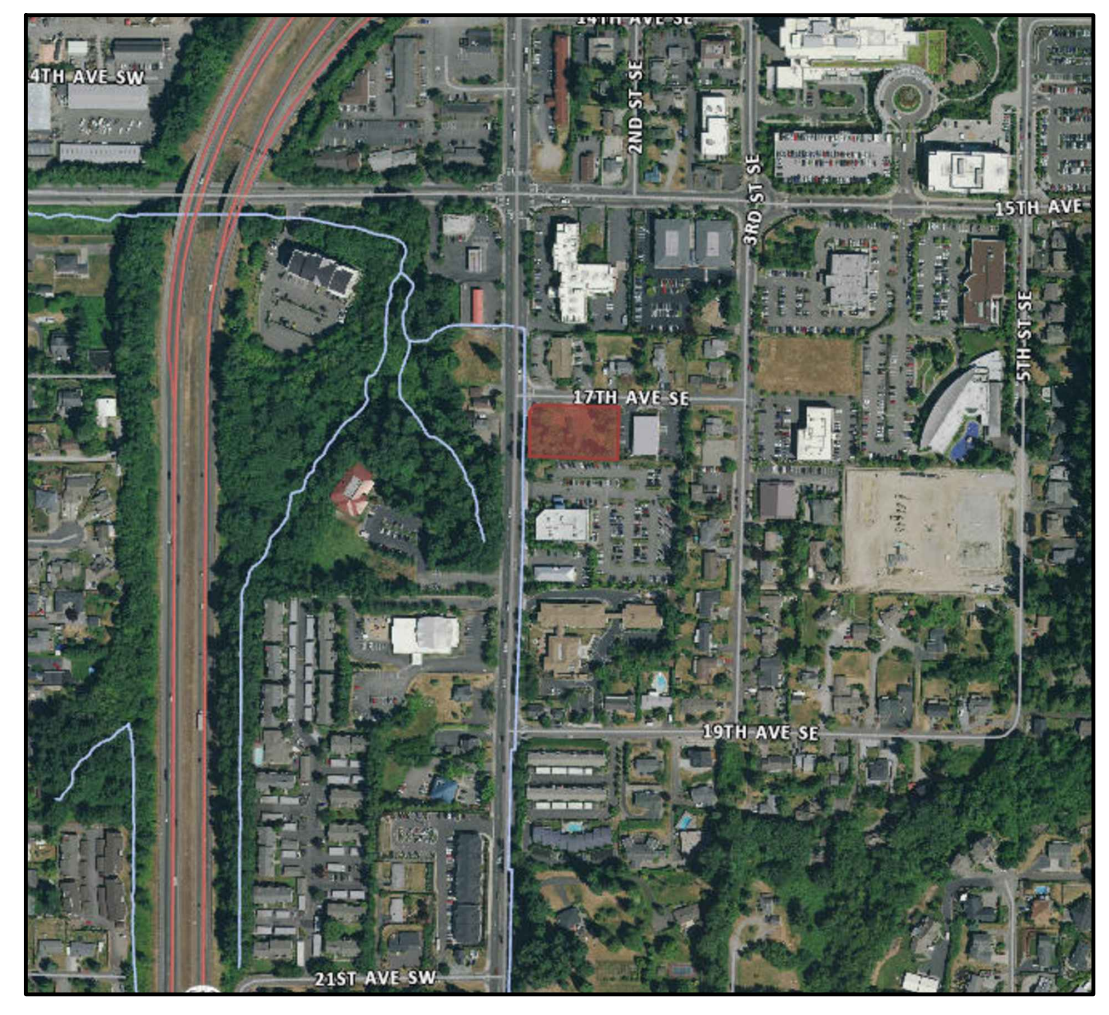


Provide a wetland report for the off-site wetland. Be sure to include the wetland category and habitat score. [civils, pg 1]

NW 1/4 OF THE SW 1/4 OF SEC. 34, TWP 20N, RNG 4E, W.M. 1617 S. MERIDIAN



1617 S MERIDIAN
PUYALLUP, WA 98371



VICINITY MAP
1" = 500'

XXXX-XXXXXXX

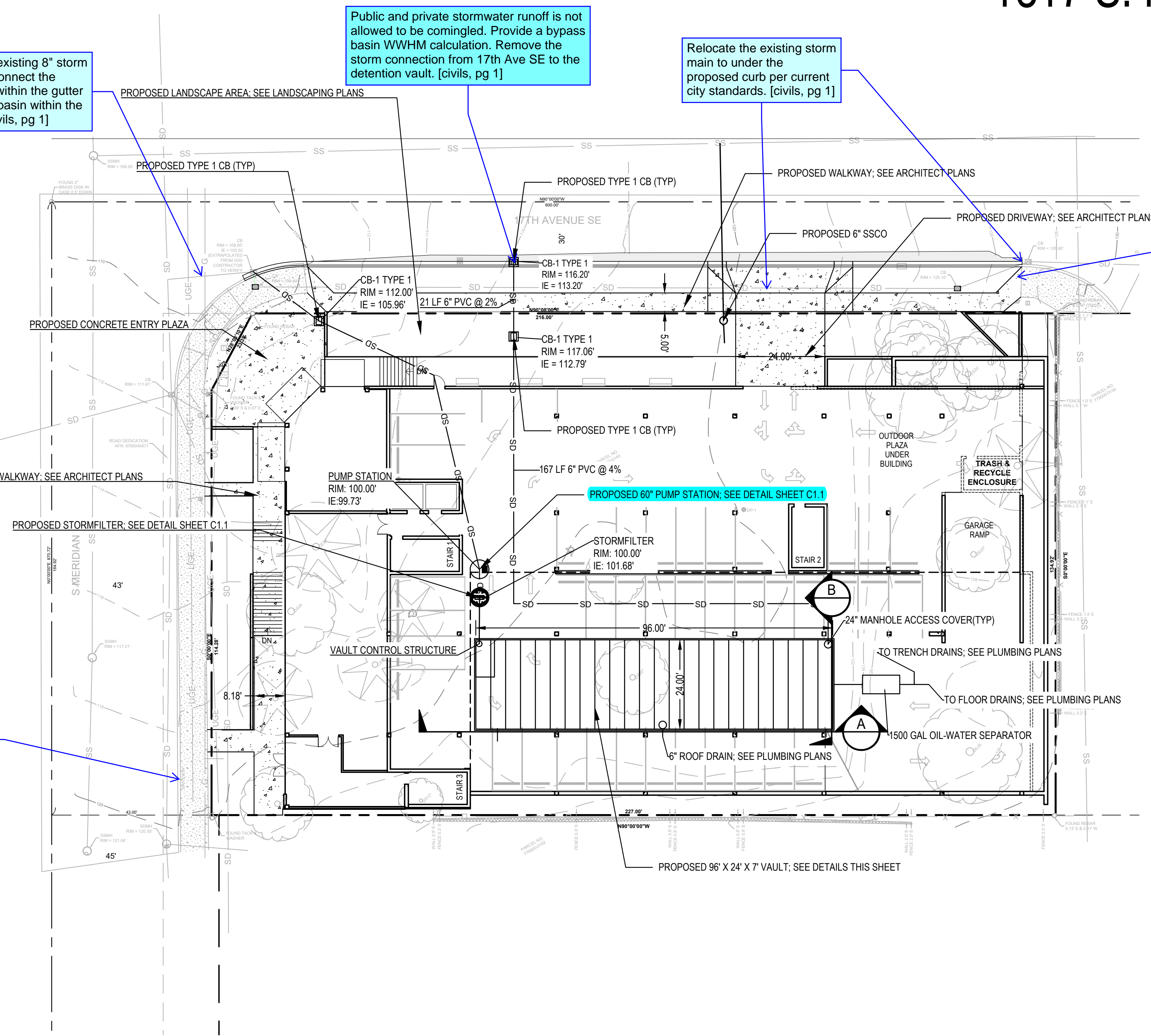
XXX - - - - -
Key Plan

Cut/cap the existing 8" storm line and re-connect the catch basin within the gutter to the catch basin within the sidewalk. [civils, pg 1]

Public and private stormwater runoff is not allowed to be comingled. Provide a bypass basin WWHM calculation. Remove the storm connection from 17th Ave SE to the detention vault. [civils, pg 1]

Relocate the existing storm main to under the proposed curb per current city standards. [civils, pg 1]

Provide 12' walk with 4' street tree cutouts along 17th Ave SE. [civils, pg 1]



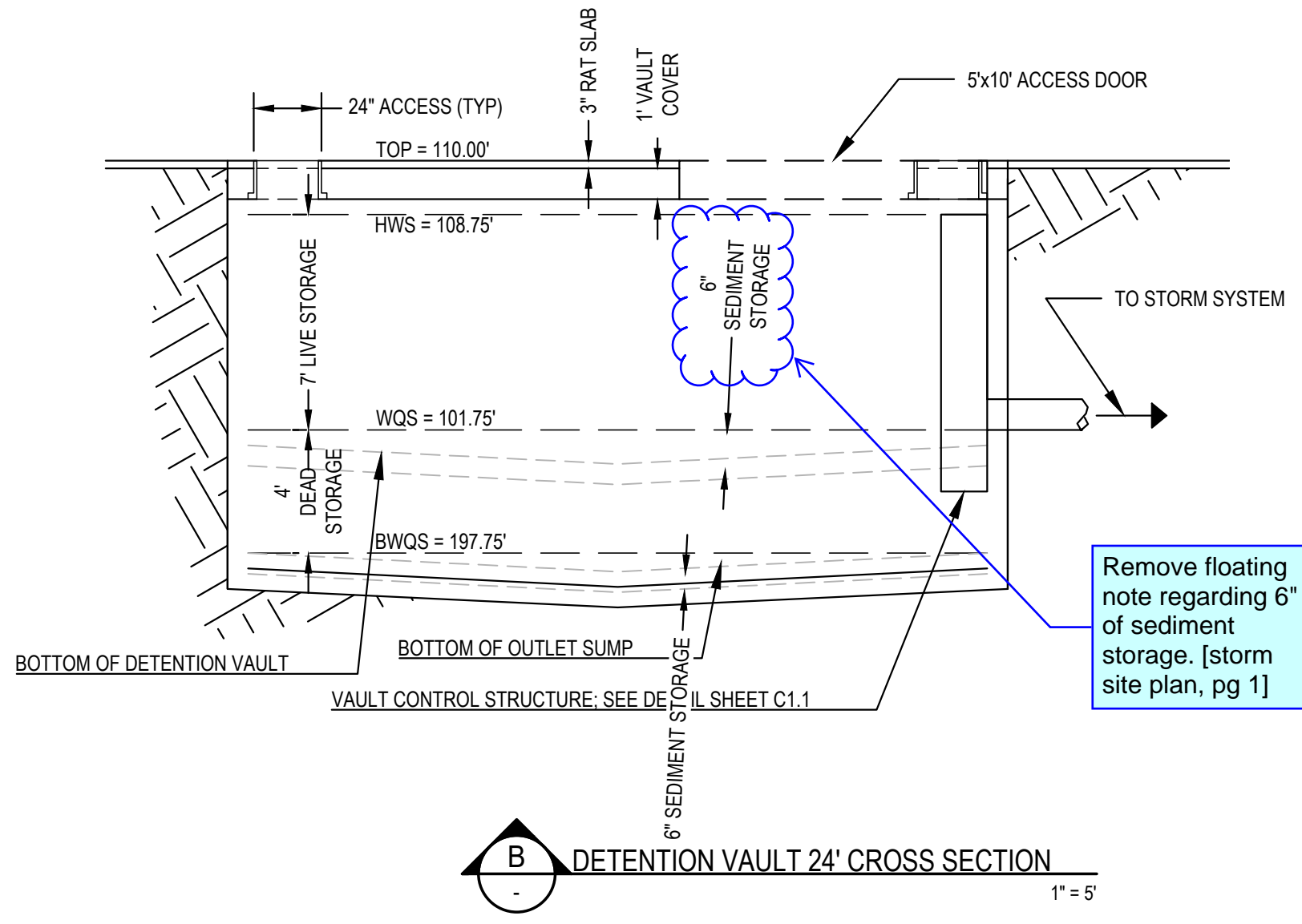
PROPOSED LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- PROPERTY BOUNDARY
- RIGHT-OF-WAY DEDICATION
- STORM DRAIN LINE
- STORM FILTER MANHOLE
- PUMP STATION MANHOLE
- CATCH BASIN

UTILITIES:

- POWER/GAS: PSE
- STORM: CITY OF PUYALLUP
- SEWER: CITY OF PUYALLUP
- WATER: CITY OF PUYALLUP

Make a note to remove the existing driveway cut along South Meridian. [civils, pg 1]



Remove floating note regarding 6" of sediment storage. [storm site plan, pg 1]

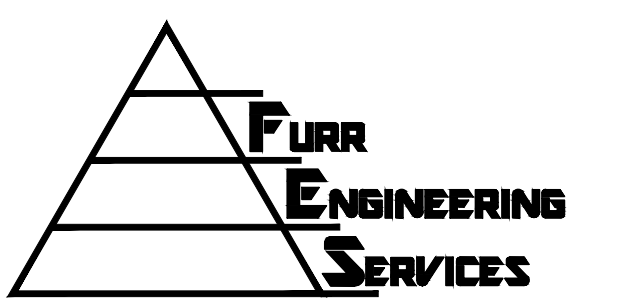
SITE INFORMATION:

PARCEL(S): 778000140
 ADDRESS: 1617 S MERIDIAN
 CITY OF PUYALLUP, WA 98371
 PARCEL AREA: 30,513 SF (0.78AC)
 ZONE: CG
 SETBACK:
 MIN. FRONT 12 FT.
 MIN. SIDE 0 FT.
 MIN. REAR 0 FT.
 MAX IMPERVIOUS: 75%

PROJECT TEAM:

OWNER/APPLICANT: PFHC PUYALLUP, LLC
 DR. FADI ALHAFEZ (253) 426-4101
 ARCHITECT: IHB ARCHITECTS
 2160 84TH AVE SOUTH, STE 200
 KENT, WA 98032
 MATTHEW MCKEE, AIA (253) 816-8747
 matthew@ihbarchitects.com
 CIVIL ENGINEER: FURR ENGINEERING SERVICES PLLC
 DEAN FURR P.E.
 4715 142ND PL. SW UNIT #B
 EDMONDS, WA 98026
 (206) 890-8291
 furrengineering@gmail.com
 SURVEYOR: SITE SURVEYING, INC.
 21923 NE 11TH ST
 SAMMAMISH, WA 98074
 THOMAS N WOLDENDORP, P.L.S. (425) 298-4412
 sitesurveying.com

Registration



4715 142nd Pl. SW #B, Edmonds, WA 98026
ph 206.890.8291

Sheet Title

STORMWATER PLAN

| DRAWING INDEX | |
|---------------|-----------------|
| C4.0 | STORMWATER PLAN |
| C4.1 | STORM DETAILS |

Revisions

| 1 | 6/11/24 | PER CITY COMMENTS |
|---|---------|-------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Scale:
 FES Project No: 23062
 Date: OCTOBER 20, 2023
 Designed: JV
 Drawn: TJW
 Checked: DAF

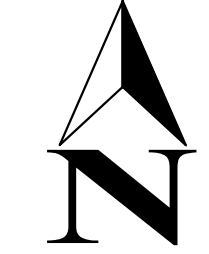
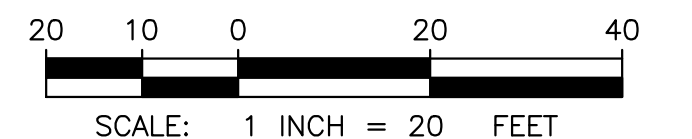
Sheet Number

C4.0

TOPOGRAPHY, BOUNDARY, AND UTILITIES STATEMENT:
 FURR ENGINEERING SERVICES PLLC, DOES NOT WARRANT THE TOPOGRAPHY, BOUNDARY, AND/OR EXISTING UTILITIES SHOWN ON THESE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL EXISTING IMPROVEMENTS FIELD VERIFIED PRIOR TO CONSTRUCTION. ANY SUBSURFACE EXPLORATION OF EXISTING UNDERGROUND UTILITIES (POWER, WATER, SEWER, TELECOM, ETC.) SHALL BE PERFORMED BY THE CONTRACTOR. DISCREPANCIES BETWEEN WHAT IS SHOWN ON THE PLANS AND LOCATED BY THE CONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF FURR ENGINEERING SERVICES PLLC. PRIOR TO CONSTRUCTION ACTIVITIES.



Know what's below.
Call before you dig.



NW 1/4 OF THE SW 1/4 OF SEC. 34, TWP 20N, RNG 4E, W.M.
1617 S. MERIDIAN

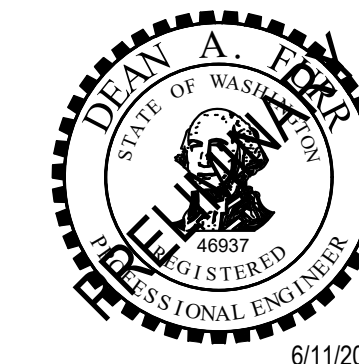


1617 S MERIDIAN
 PUYALLUP, WA 98371

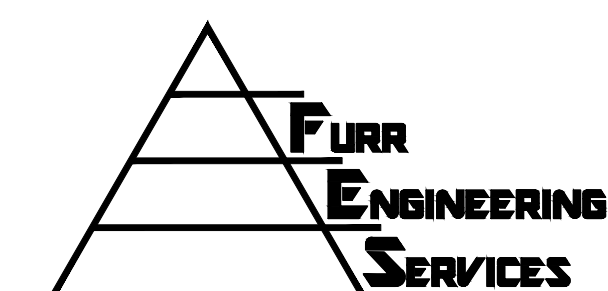
XXXX-XXXXXXX

XXX
 Key Plan

Registration



6/11/2024



4715 142nd Pl. SW #B, Edmonds,
 WA 98026
 ph 206.890.8291

Sheet Title

STORM DETAILS

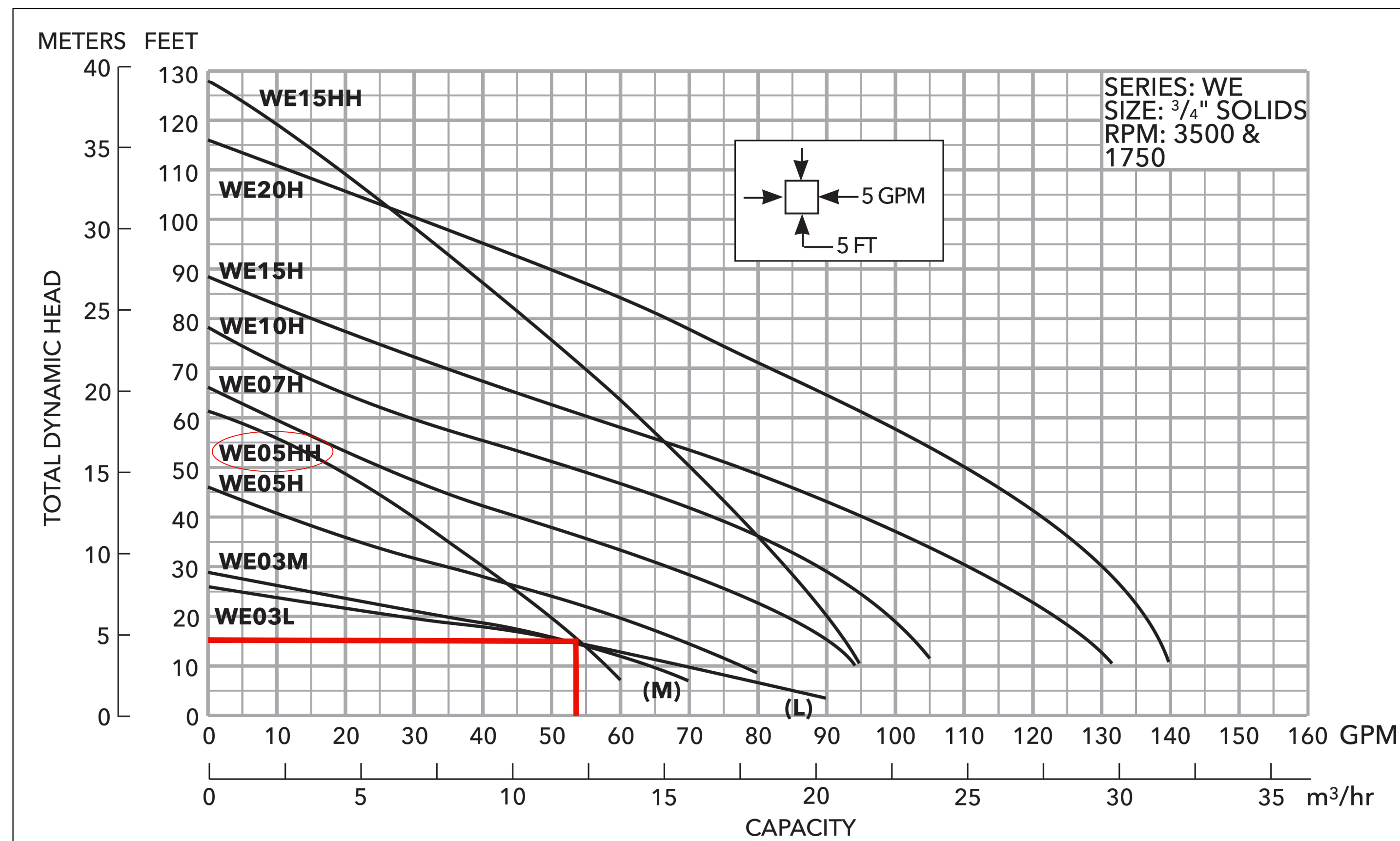
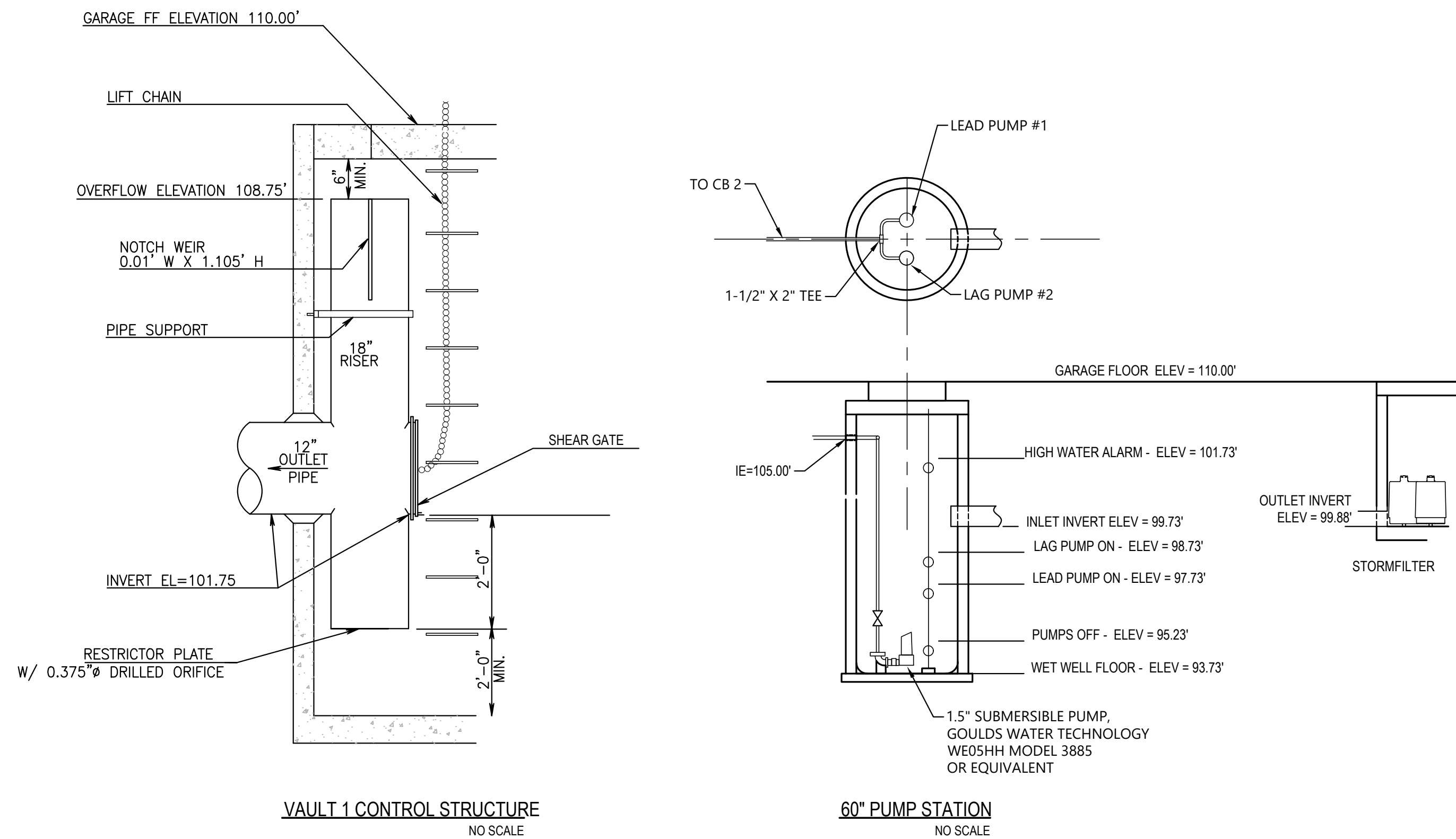
Revisions

| 1 | 6/11/24 | PER CITY COMMENTS |
|---|---------|-------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

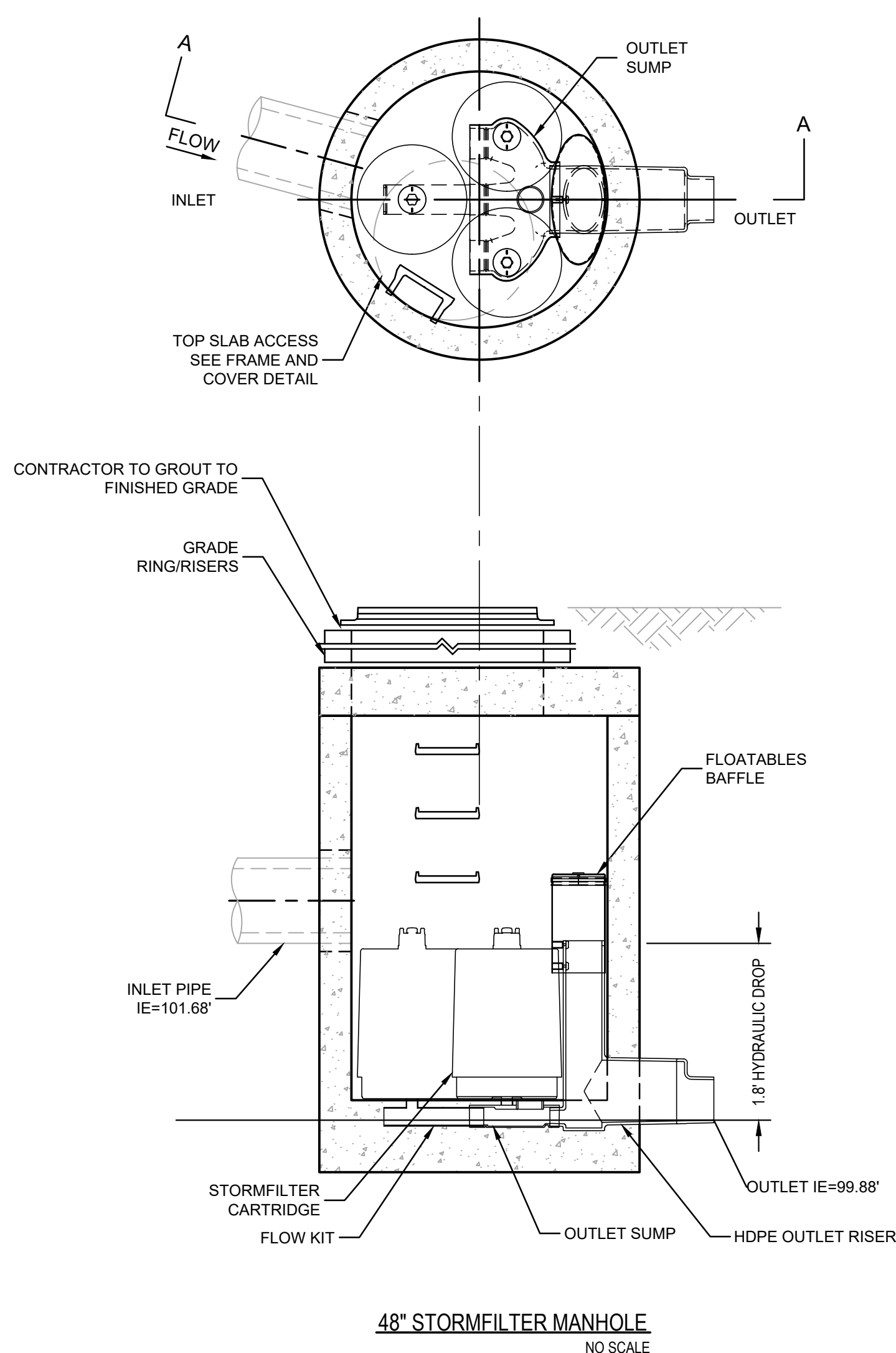
Scale:
 FES Project No: 23062
 Date: OCTOBER 20, 2023
 Designed: DAF
 Drawn: TJW
 Checked: DAF

Sheet Number

C4.1



| Storm Event | (a) Restricted Flowrate gpm | (b) Pump Drawdown Flowrate gpm | (c) Pump Drawdown Time min | (d) Wet well Fill Time min | (e) Cycle Time min | (f) Avg. Flow Rate at Discharge Point Over Cycle Time gpm |
|----------------------------------|--|-----------------------------------|-------------------------------|-------------------------------|-----------------------|--|
| 2 year | 3.64 | 49.36 | 4.46 | 60.60 | 109.97 | 2.00 |
| 5 year | 6.33 | 46.67 | 4.72 | 34.81 | 81.49 | 2.70 |
| 10 year | 9.11 | 43.89 | 5.02 | 24.18 | 68.07 | 3.24 |
| 25 year | 14.14 | 38.86 | 5.67 | 15.58 | 54.45 | 4.05 |
| 50 year | 19.34 | 33.66 | 6.55 | 11.39 | 45.04 | 4.89 |
| 100 year | 26.26 | 26.74 | 8.24 | 8.39 | 35.13 | 6.27 |
| (g) Pump Flowrate (gpm) | | | | 53.0 | | |
| (h) Wet Well Volume (gal) | | | | 220.3 | | |
| (a) | Restricted Flow Rate: Mitigated (801) flow rates calculated using WWHM converted to gpm | | | | | |
| (b) | Pump Drawdown Flow Rate: (g)-(a) | | | | | |
| (c) | Pump Drawdown Time: (h)/(b) | | | | | |
| (d) | Wet Well Fill Time: (h)/(a) | | | | | |
| (e) | Cycle Time: (c)+(d) | | | | | |
| (f) | Avg. Flow Rate at Discharge Point Over Cycle Time: [(b)*(c)]/(e) | | | | | |
| (g) | Pump Flow Rate: derived from manufacturer's performance curve based on calculated head | | | | | |
| (h) | Wet Well Volume: $V=h\pi r^2 = 29.45\text{ cf} = 220.32\text{ gal}$ $h=1.5\text{ ft}$ $r=5\text{ ft}$ | | | | | |



TOPOGRAPHY, BOUNDARY, AND UTILITIES STATEMENT:
 FURR ENGINEERING SERVICES PLLC. DOES NOT WARRANT THE TOPOGRAPHY, BOUNDARY, AND/OR EXISTING UTILITIES SHOWN ON THESE PLANS. IT IS THE CONTRACTORS' RESPONSIBILITY TO HAVE ALL EXISTING IMPROVEMENTS FIELD VERIFIED PRIOR TO CONSTRUCTION. ANY SUBSURFACE EXPLORATION OF EXISTING UNDERGROUND UTILITIES (POWER, WATER, SEWER, TELECOM, ETC.) SHALL BE PERFORMED BY THE CONTRACTOR. DISCREPANCIES BETWEEN WHAT IS SHOWN ON THE PLANS AND LOCATED BY THE CONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF FURR ENGINEERING SERVICES PLLC. PRIOR TO CONSTRUCTION ACTIVITIES.



Know what's below.
 Call before you dig.

