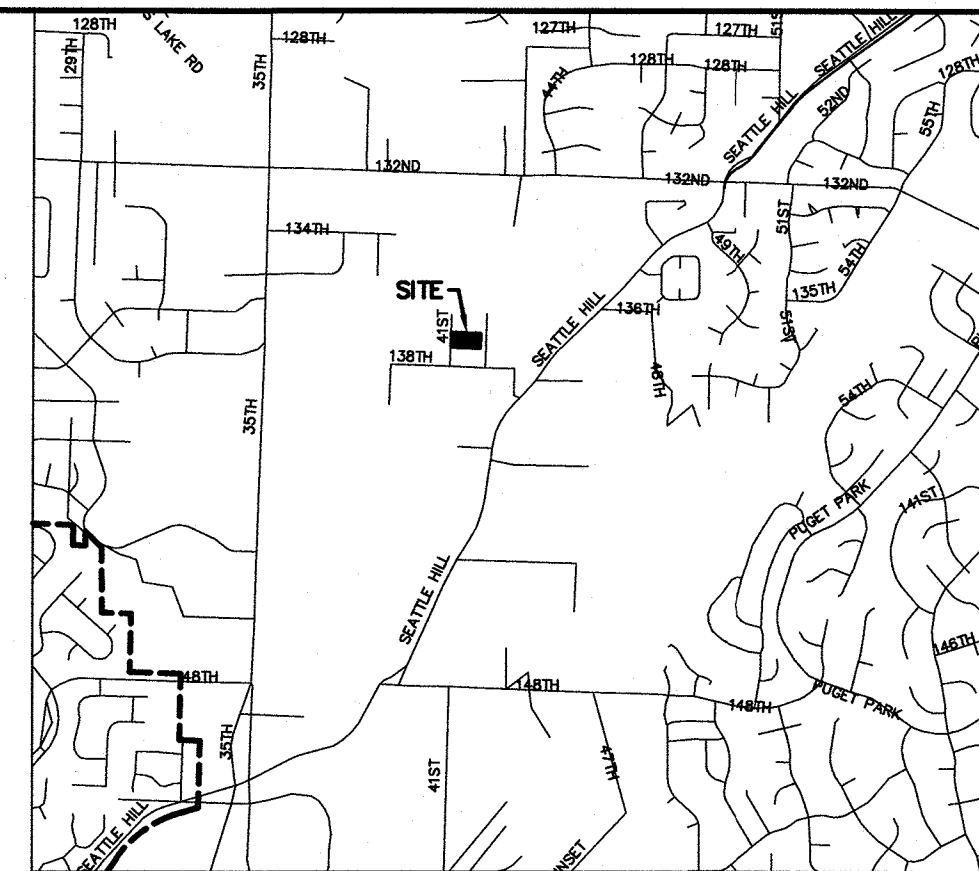
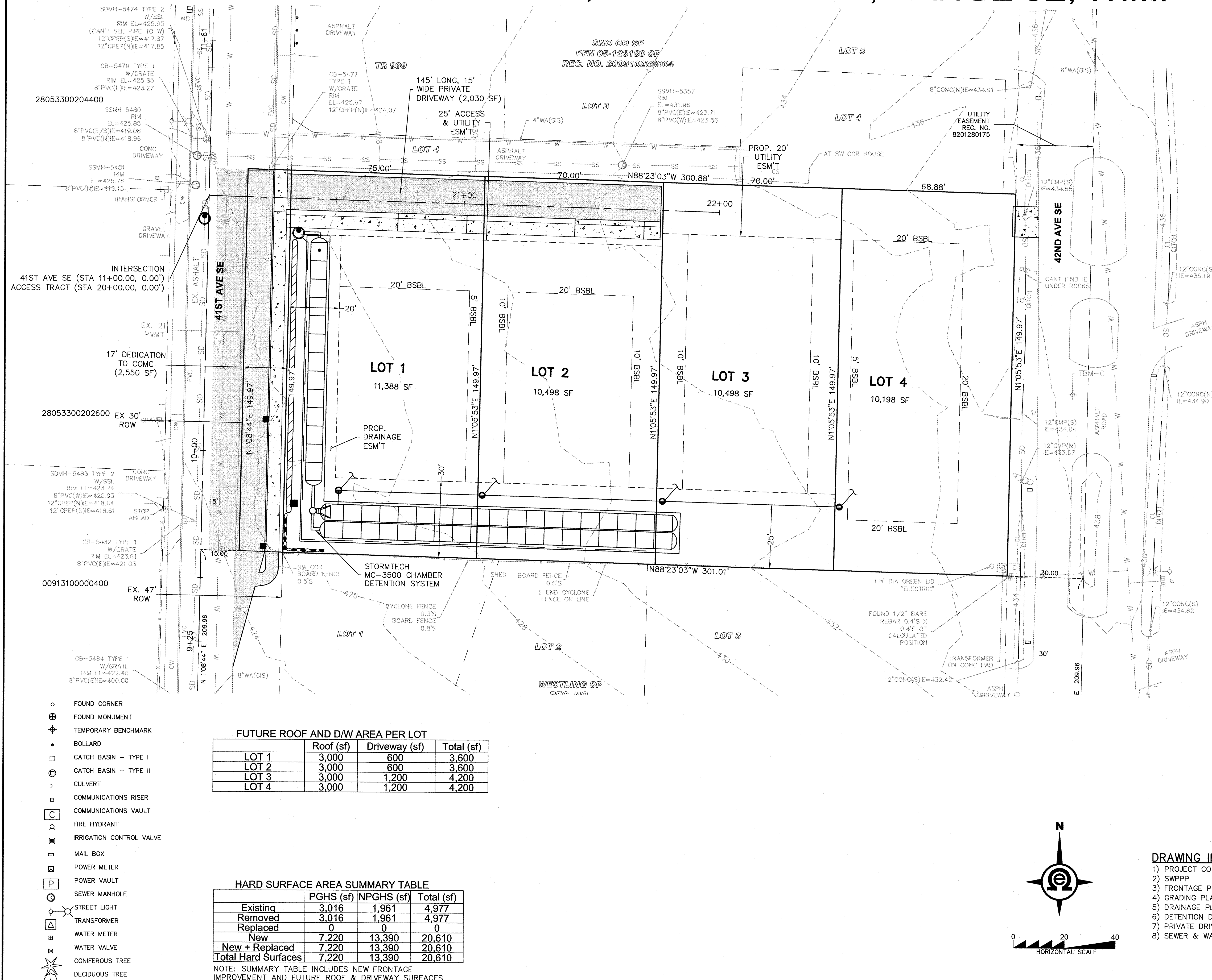


COWLES SHORT PLAT

SECTION 33, TOWNSHIP 28N, RANGE 5E, W.M.



VICINITY MAP
SCALE: 1" = 2,000'

BY	DESCRIPTION	DATE	R#

COVER SHEET

2707 WETMORE AVE.
EVERETT, WA 98201
t 425.903.4852
f 425.259.1958

OMEGA ENGINEERING, INC.

COWLES SHORT PLAT
CITY OF MILL CREEK, Washington
PORTION OF SECTION 16, TOWNSHIP
27 NORTH, RANGE 5 EAST, W.M.

PROJ. NO. 21-0818
DATE: 12/10/2021
SCALE: 1" = 20'
DRAWING NO. 1 OF 8

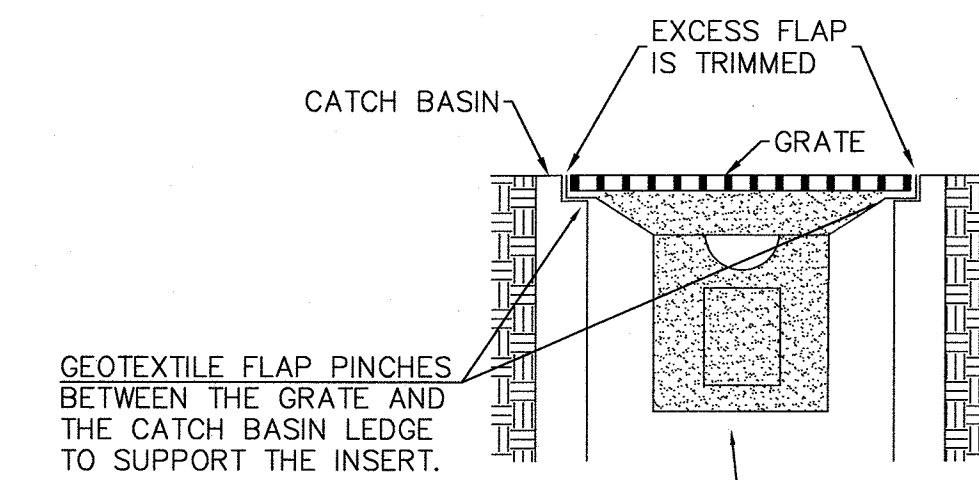
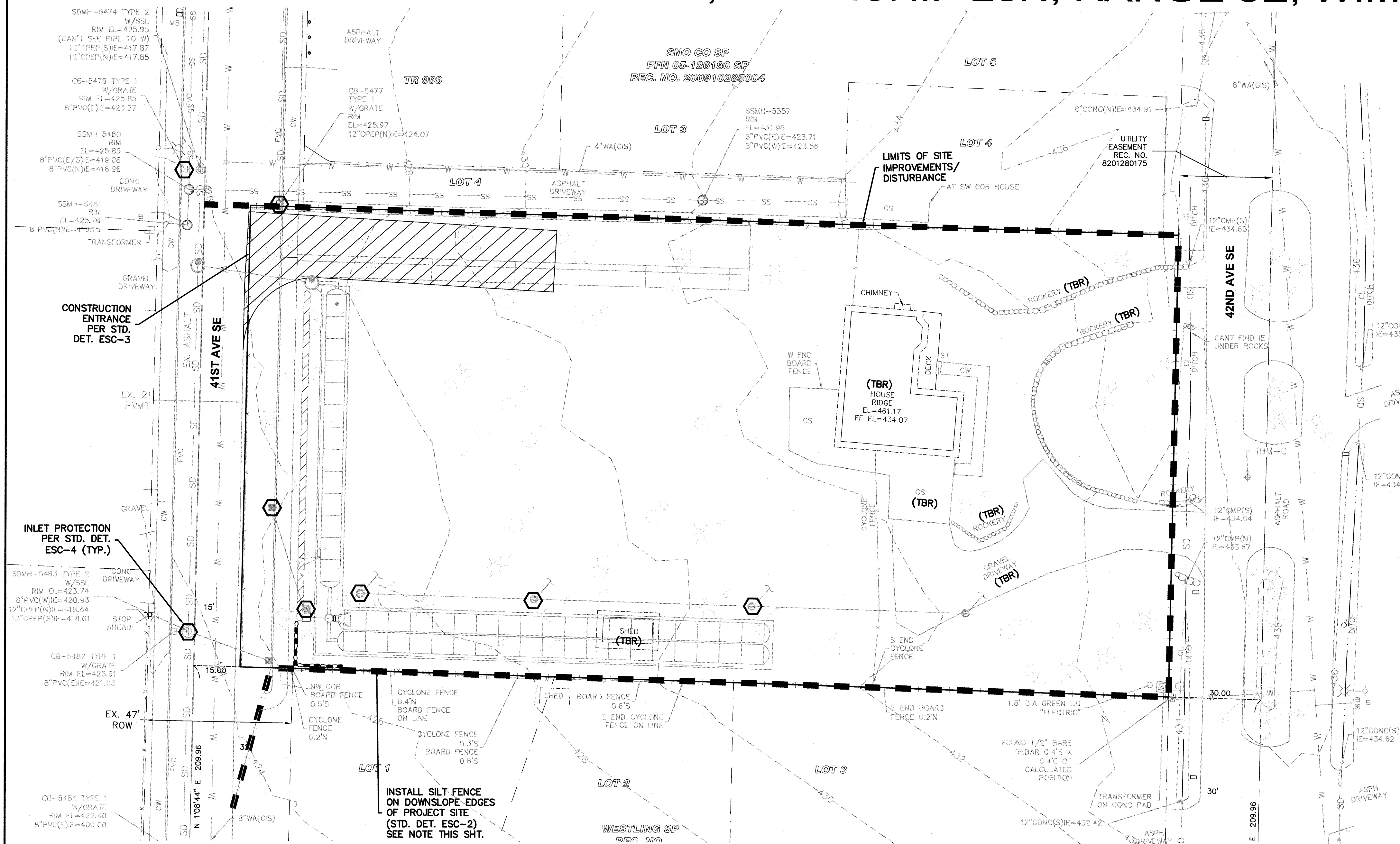


Know what's below.
Call two business
days before you dig.

PFN:
ACCEPTED IN COMPLIANCE WITH CONDITIONS ON APPROVAL
DIRECTOR OF PUBLIC WORKS AND DEVELOPMENT SERVICES
DATE

COWLES SHORT PLAT

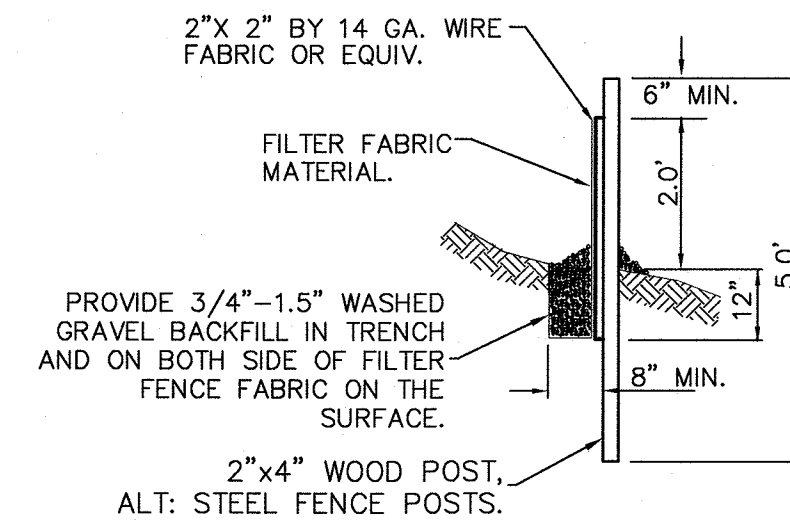
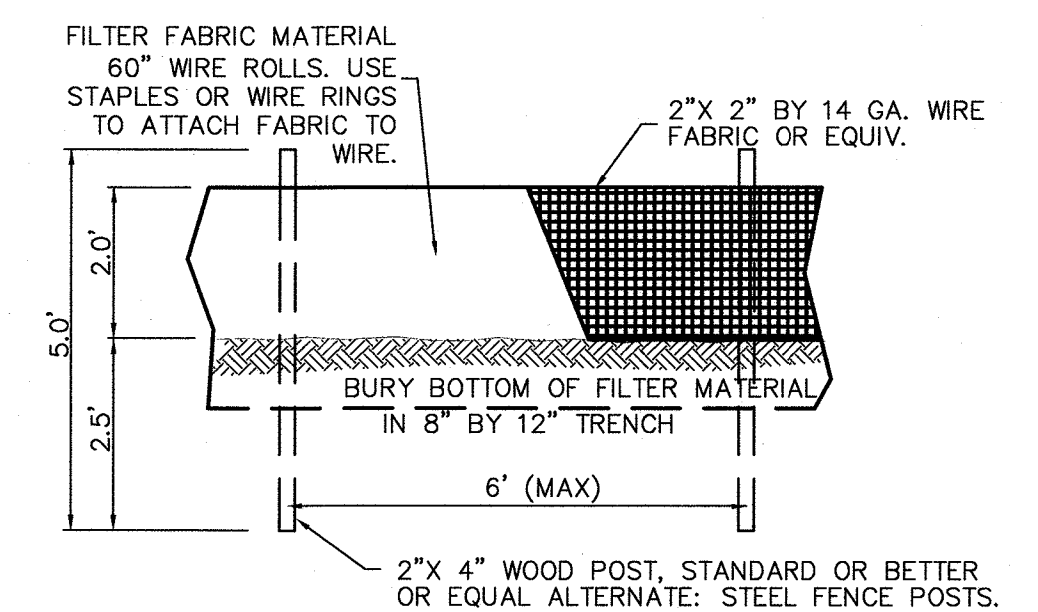
SECTION 33, TOWNSHIP 28N, RANGE 5E, W.M.



"GULLYWASHER" UNIVERSAL GEOTEXTILE
CATCH BASIN INSERT OR APPROVED EQUAL
CONTACT PRICE—MOON ENTERPRISES, INC
360-563-6709 FAX: 360-563-5790

A LAYER OF FILTER FABRIC MAY BE PLACED OVER THE GRATES FOR ALL YARD DRAINS. CONTRACTOR SHALL ENSURE THAT NO GAPS EXIST TO ALLOW SEDIMENT LADEN RUNOFF TO ENTER THE YARD DRAIN. A 12" SUMP SHALL BE PROVIDED AROUND THE YARD DRAIN.

CB INLET PROTECTION (PAVED AREAS)
NOT TO SCALE



SILT FENCE DETAIL
N.T.S.

LEGEND

- CLEARING LIMITS
 SILT FENCE
 CATCH BASIN (CB) INLET PROTECTION
 CONSTRUCTION ENTRANCE



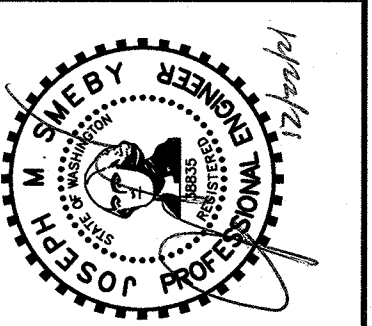
Know what's below.
Call two business
days before you dig.

PFN:

ACCEPTED IN COMPLIANCE WITH CONDITIONS ON APPROVAL

SCALE: 1" = 20'

DIRECTOR OF PUBLIC WORKS AND DEVELOPMENT SERVICES

[illegible]

SWPPP

2707 WETMORE AVE.
EVERETT, WA 98201
t 425.903.4852
f 425.259.1958



**COWLES
SHORT PLAT**

OBJ. NO. 21-0818	DSN. BY: EJT
---------------------	-----------------

TE: 12/10/2021

SCALE: $1'' = 20'$

DRAWING NO. 2 8

GRADING QUANTITIES:

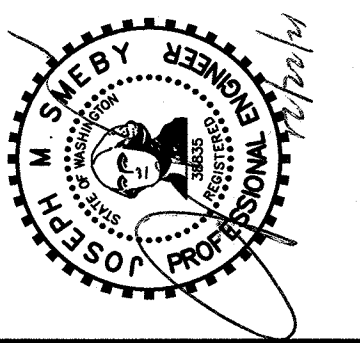
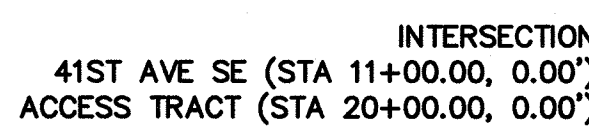
CUT = 495 C.Y.
FILL = 495 C.Y.

GRADING QUANTITIES CALCULATED
USING AUTOCAD GRID SUBTRACTION
METHOD COMPARING EXISTING GRADE
TO FINISHED GRADE.

WSDOT STANDARD PLAN 180.10-02
STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

COWLES SHORT PLAT

SECTION 33, TOWNSHIP 28N, RANGE 5E, W.M.

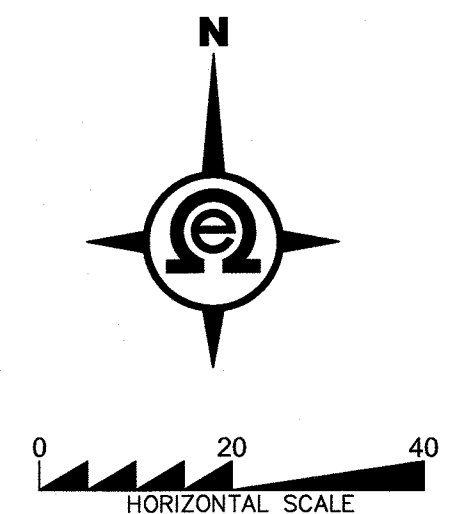


GRADING PLAN

**2707 WETMORE AVE.
EVERETT, WA 98201
t 425.903.4852
f 425.259.1958**



**COWLES
SHORT PLAT**



Know what's below.
Call two business
days before you dig.

PFN: _____

ACCEPTED IN COMPLIANCE WITH CONDITIONS ON APPROVAL

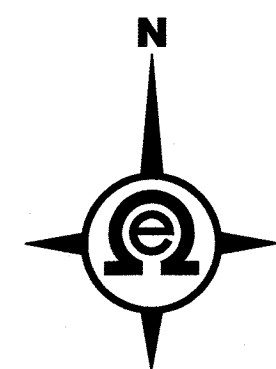
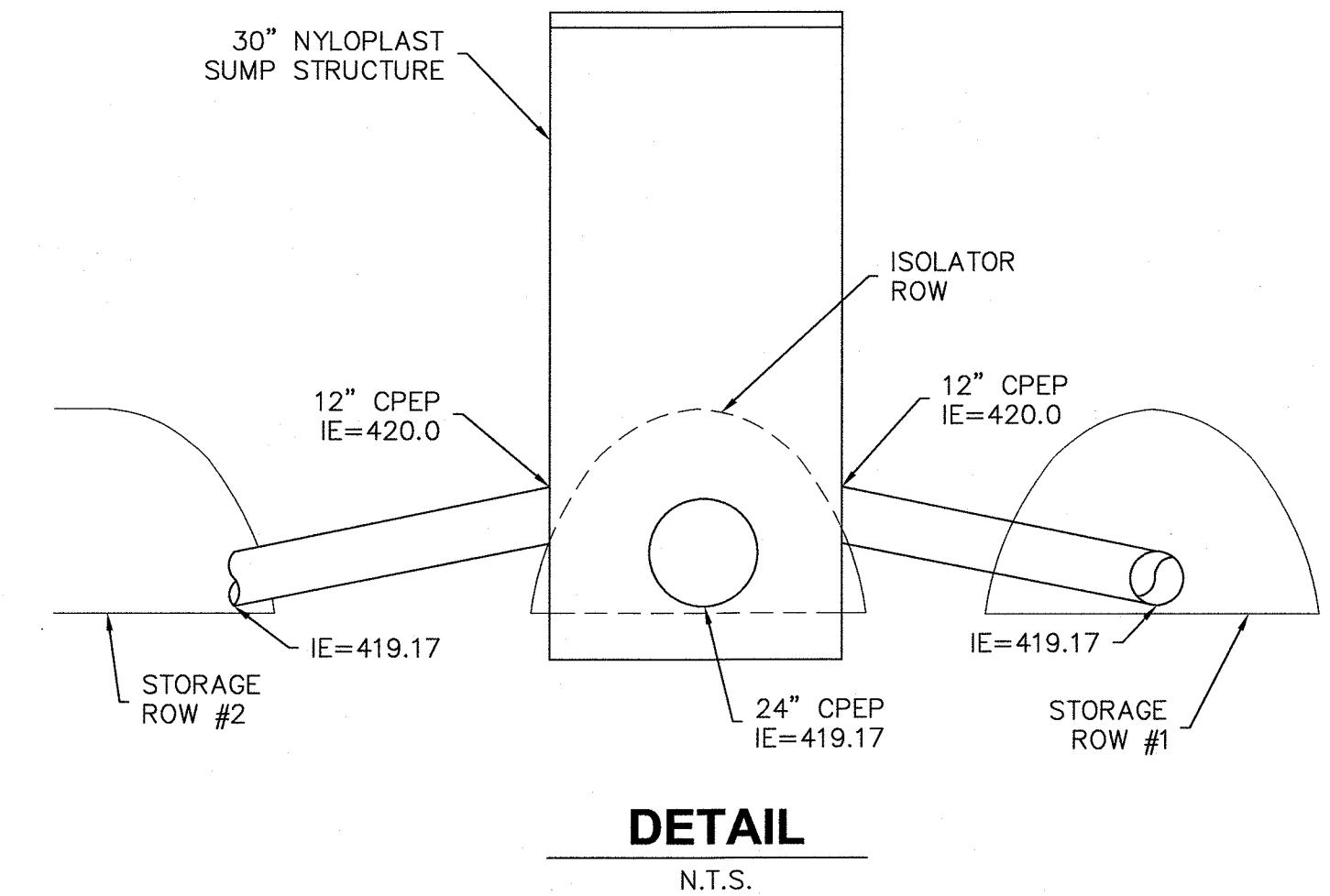
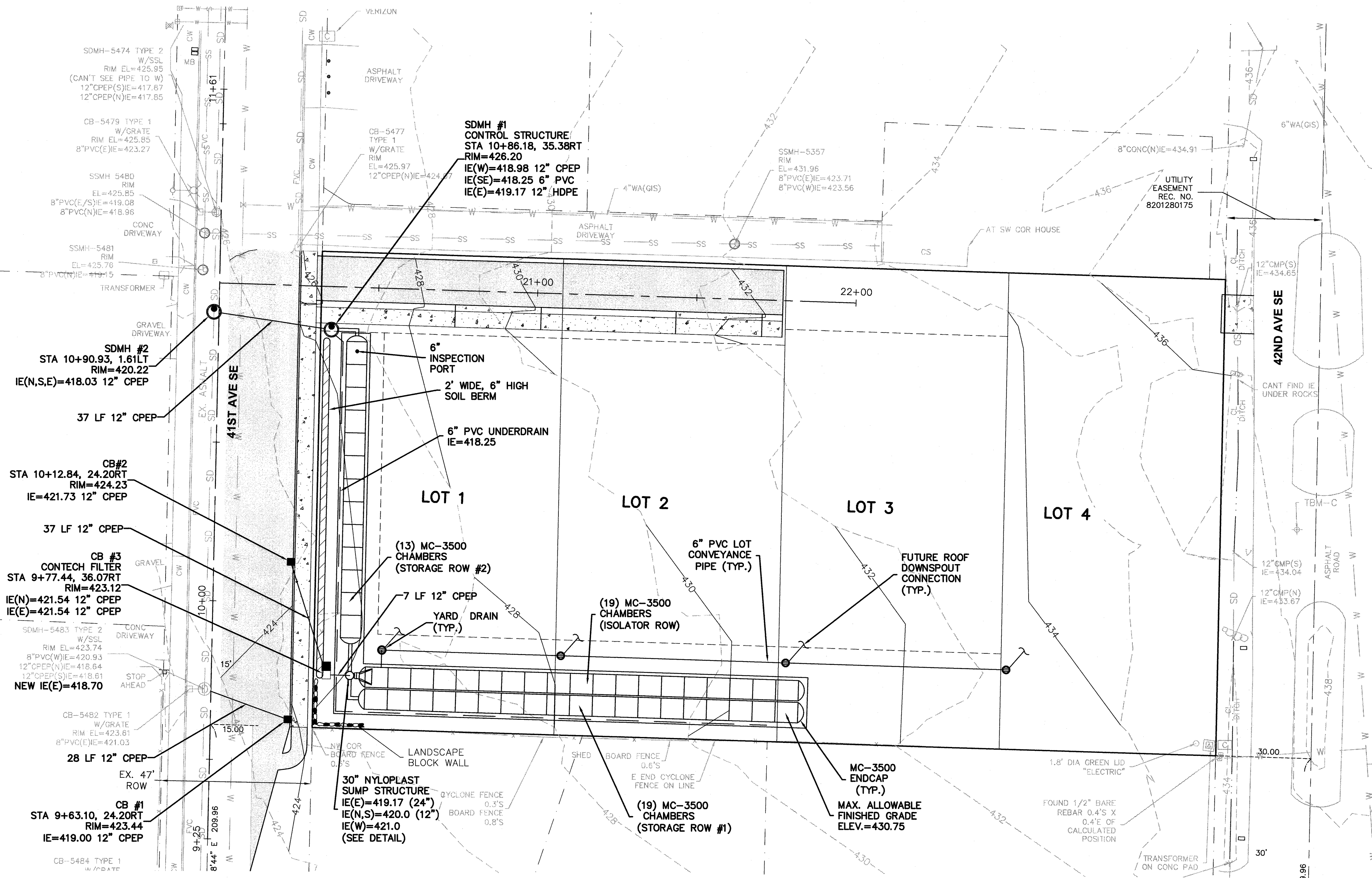
DIRECTOR OF PUBLIC WORKS
AND DEVELOPMENT SERVICES

DATE

[illegible]

COWLES SHORT PLAT

SECTION 33, TOWNSHIP 28N, RANGE 5E, W.M.



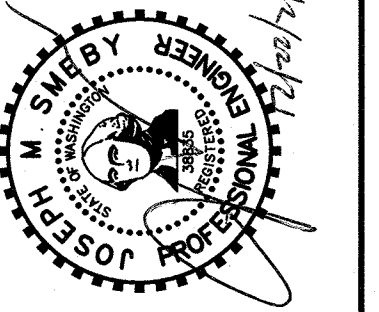
Know what's below.
Call two business
days before you dig.

PFN:

ACCEPTED IN COMPLIANCE WITH CONDITIONS ON APPROVAL

DIRECTOR OF PUBLIC WORKS
AND DEVELOPMENT SERVICES

DATE _____

[illegible]

DRAINAGE PLAN

2707 WEIMORE AVE.
EVERETT, WA 98201
t 425.903.4852
f 425.259.1958

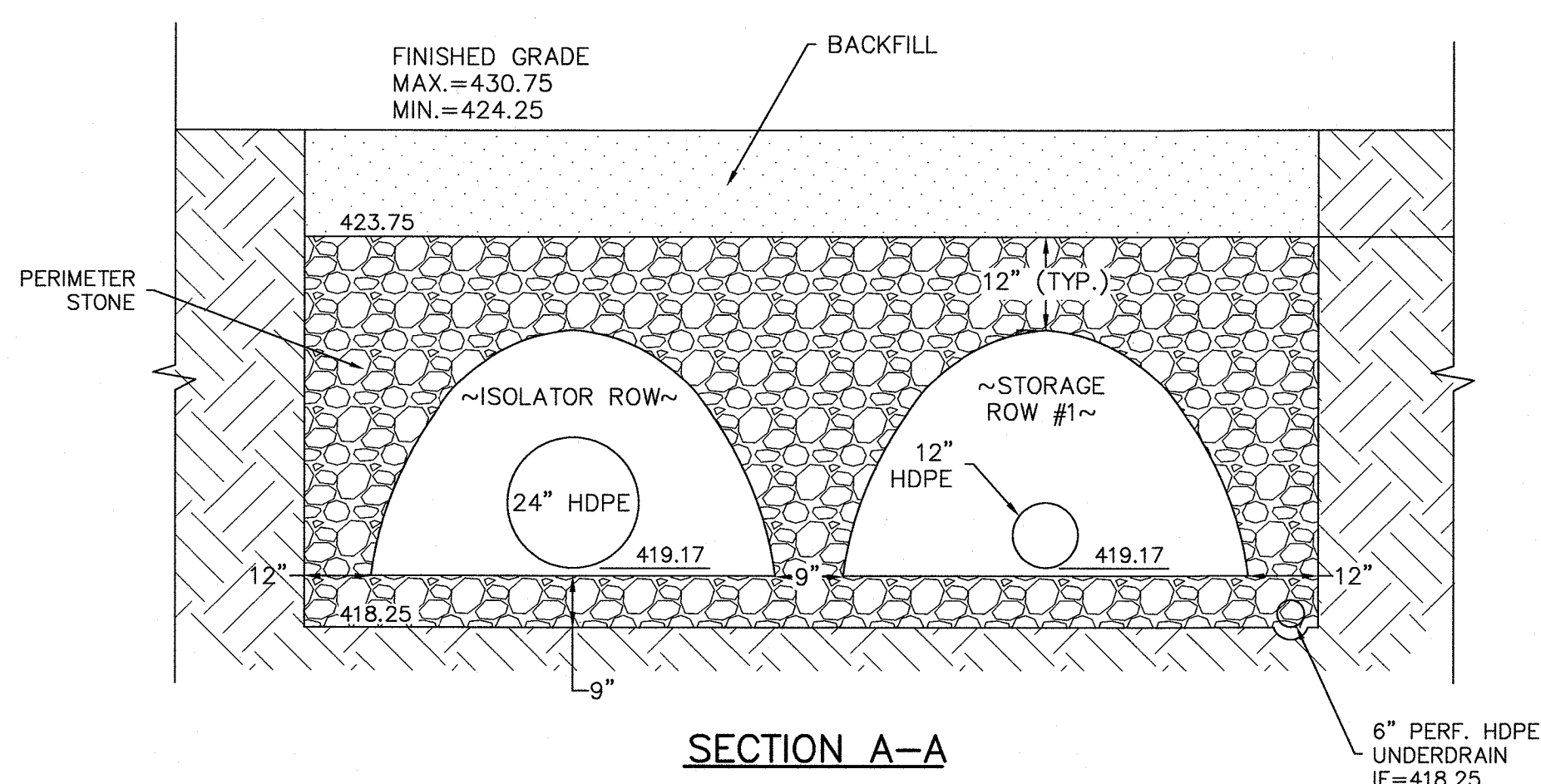
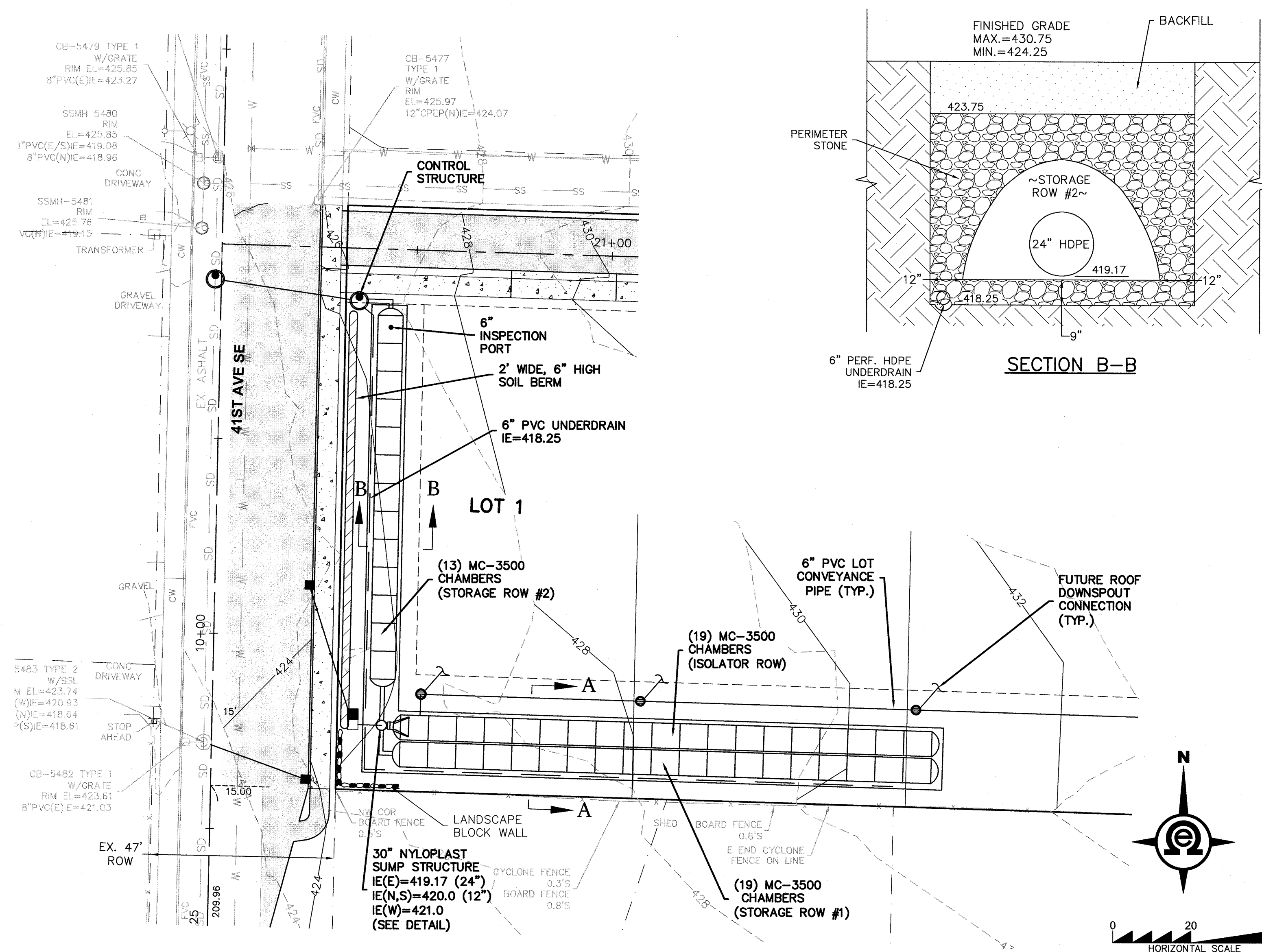


COWLES SHORT PLAT

PORTION OF SECTION 16, TOWNSHIP
27 NORTH, RANGE 5 EAST, W.M.

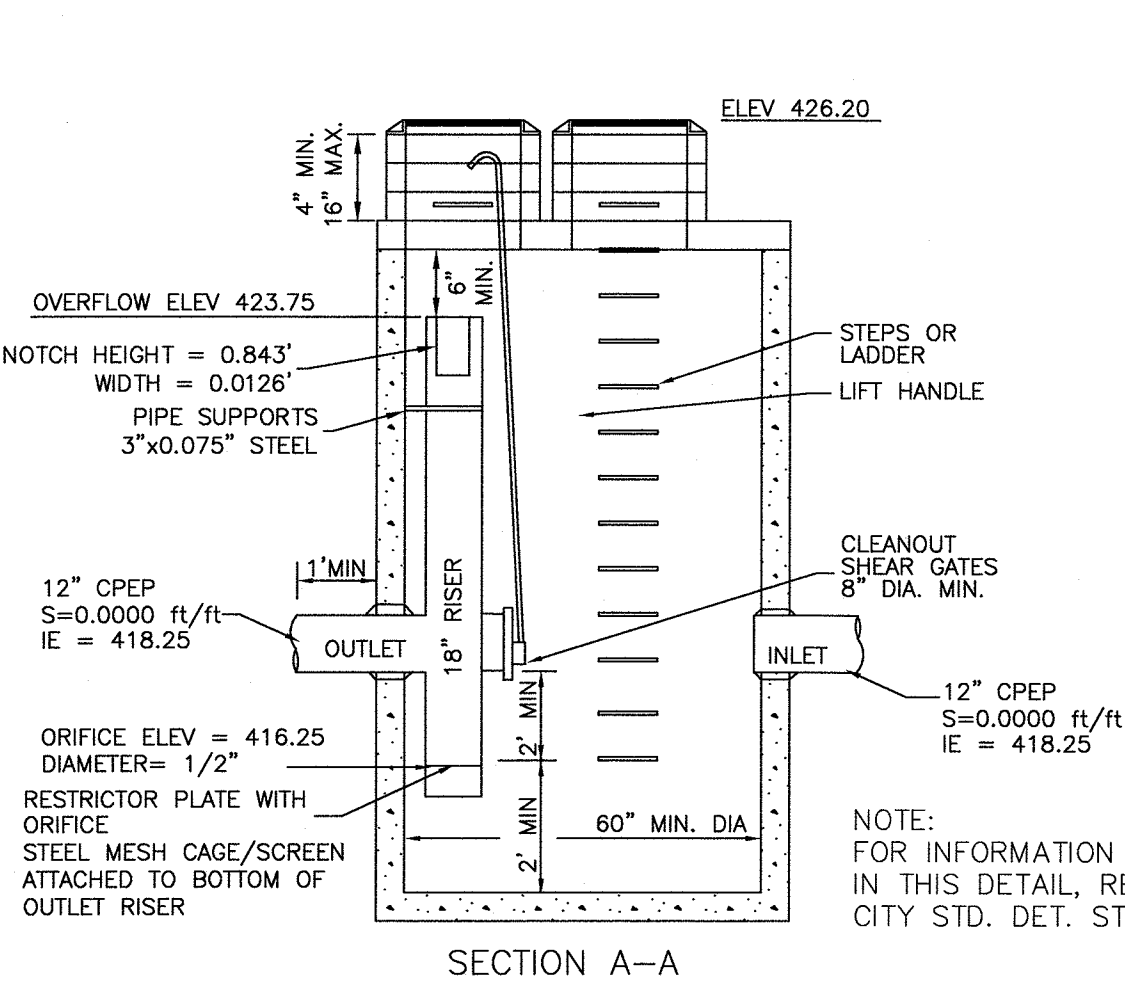
OBJ. NO.	DSN. BY:
21-0818	EJT
DATE: 12/10/2021	
SCALE: 1" = 20'	
DRAWING NO. 5 8	

COWLES SHORT PLAT
SECTION 33, TOWNSHIP 28N, RANGE 5E, W.M.

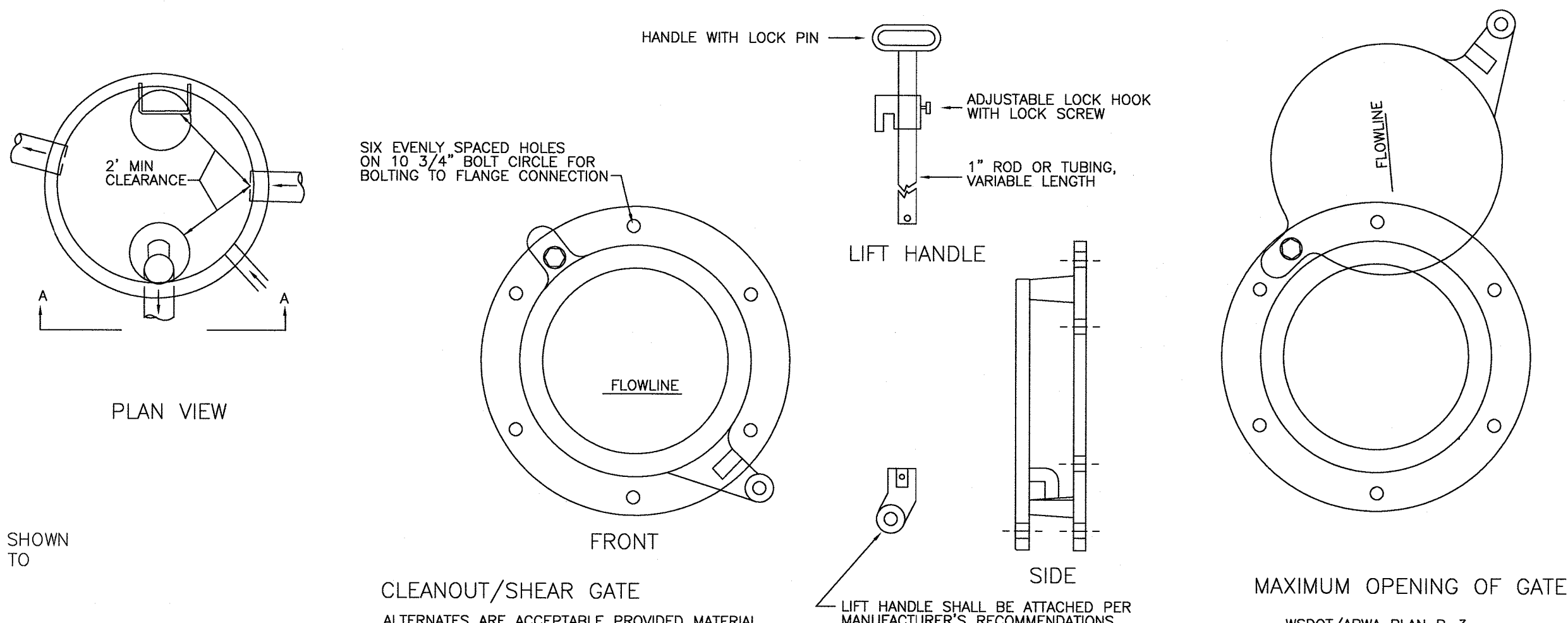


PRELIMINARY STORMTECH LAYOUT	
51	STORMTECH MC-3500 CHAMBERS
6	STORMTECH MC-3500 END CAPS
12	STONE ABOVE (in)
9	STONE BELOW (in)
40	% STONE VOID
10,694	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED)
3,307	SYSTEM AREA (ft²)
537	SYSTEM PERIMETER (ft)

PRELIMINARY ELEVATIONS	
430.75	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
424.75	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
424.25	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
424.25	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
424.25	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
423.75	TOP OF STONE
422.75	TOP OF MC-3500 CHAMBER
420.21	24" TOP MANIFOLD / CONNECTION INVERT
419.17	24" ISOLATOR ROW PLUS CONNECTION INVERT
419.17	24" BOTTOM CONNECTION INVERT
419.00	BOTTOM OF MC-3500 CHAMBER
418.25	UNDERDRAIN INVERT
418.25	BOTTOM OF STONE



CONTROL STRUCTURE SDMH #4
FLOW RESTRICTOR/ OIL POLLUTION CONTROL
-T RESTRICTOR
N.T.S.



CLEANOUT/SHEAR GATE
ALTERNATES ARE ACCEPTABLE PROVIDED MATERIAL SPECIFICATIONS ARE MET AND FLANGE BOLT PATTERN MATCHES.
SEE TEXT SECTION 5-09.
FLOW RESTRICTOR/ OIL POLLUTION CONTROL
- T SHEAR GATE DETAIL
N.T.S.

DETENTION SUMMARY CHART (SIZED W/ WWHM2)									
STORM	LIVE STORAGE VOLUME (cf)			DEAD STORAGE VOLUME (cf)			RELEASE RATE (cfs)		
EVENT	REQUIRED	DESIGNED	AS-BUILT	REQUIRED	DESIGNED	AS-BUILT	REQUIRED	DESIGNED	AS-BUILT
2 YR	.	.	.	0	0	.	0.0236	0.0149	.
50 YR	.	.	.	.	.	.	0.0602	0.119	.



Know what's below.
Call two business days before you dig.

PFN:
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DIRECTOR OF PUBLIC WORKS AND DEVELOPMENT SERVICES

DATE

BY	
DESCRIPTION	
DATE	
R#	

DETENTION
DETAILS

2707 WETMORE AVE.
EVERETT, WA 98201
t 425.903.4852
f 425.259.1958

OMEGA
ENGINEERING, INC.

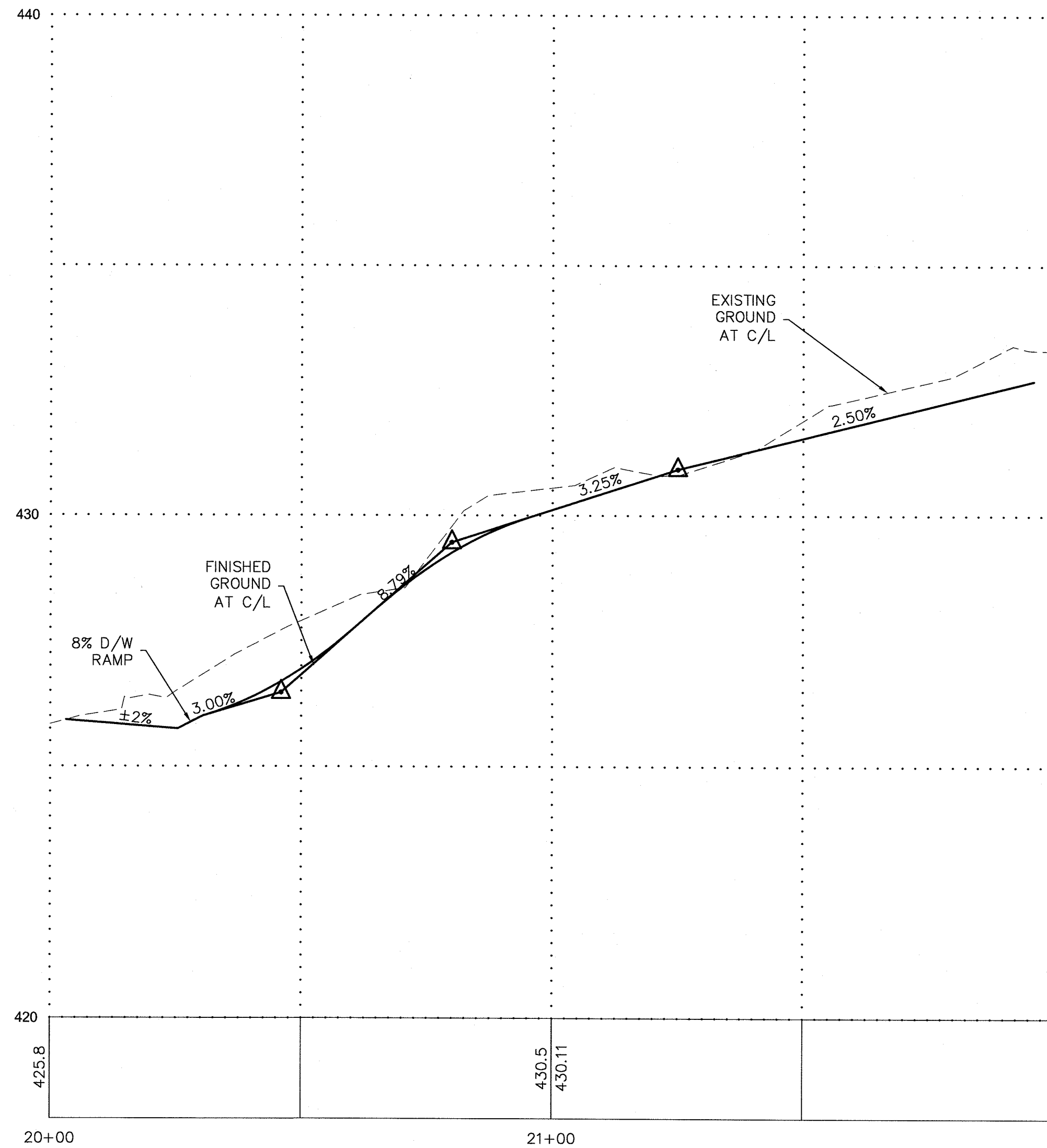
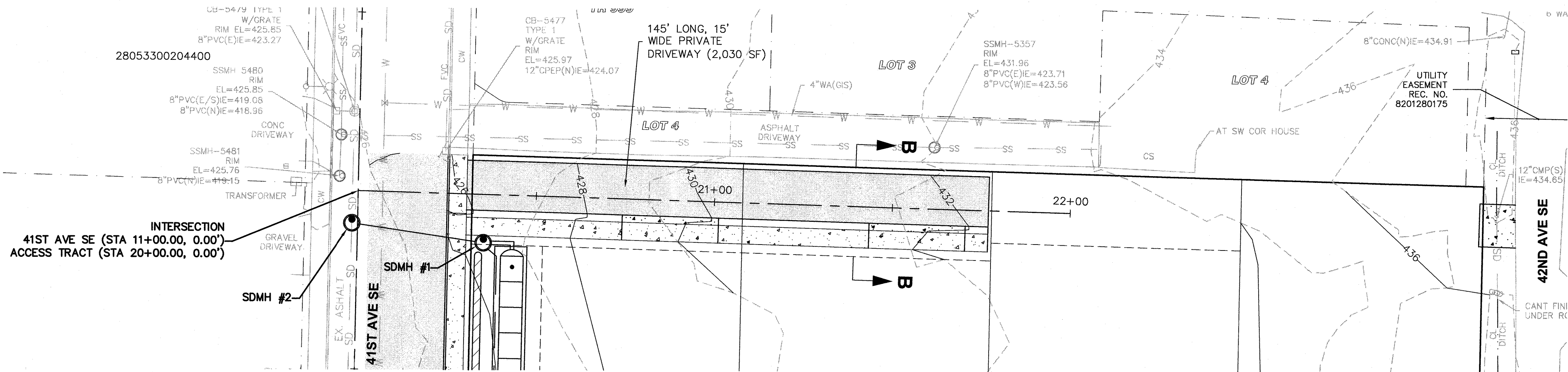
COWLES
SHORT PLAT

CITY OF MILL CREEK, Washington
PORTION OF SECTION 16, TOWNSHIP
27 NORTH, RANGE 5 EAST, W.M.

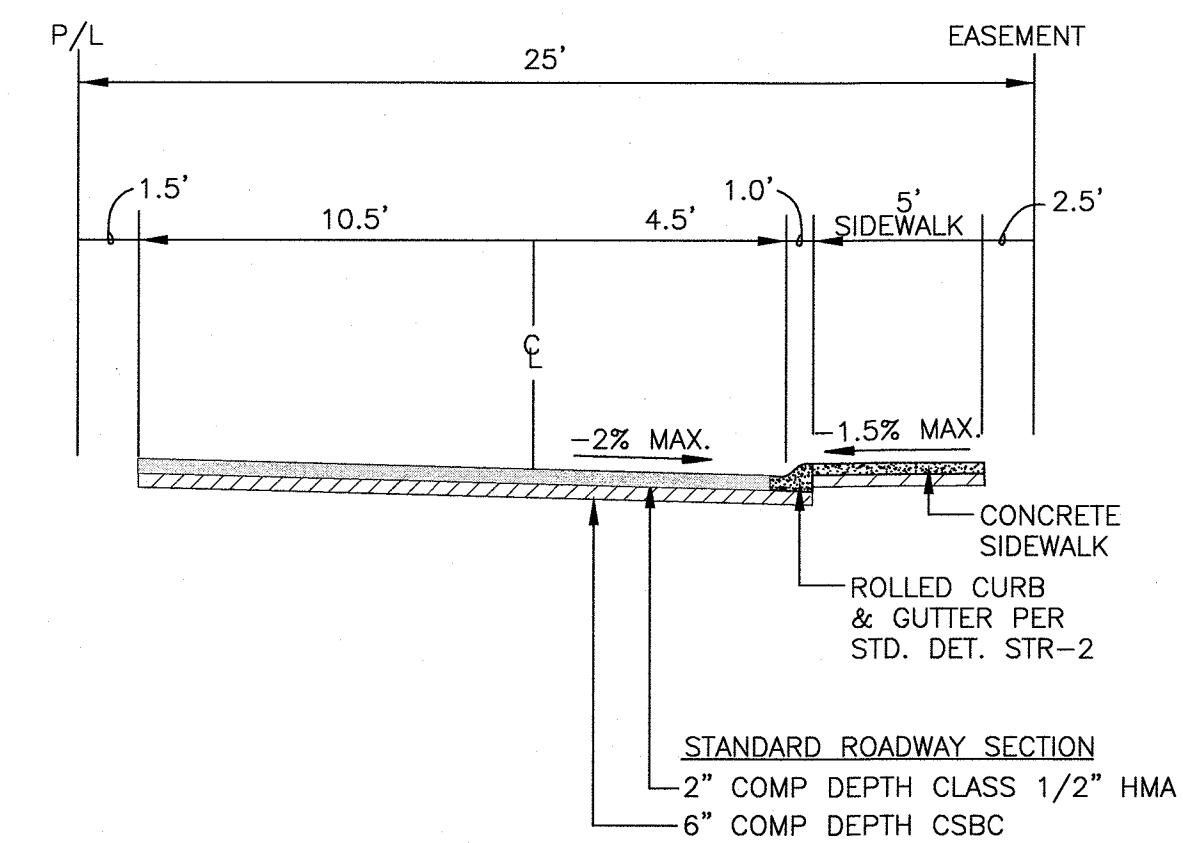
PROJ. NO.	21-0818
DSN. BY	EJT
DATE	12/10/2021
SCALE	1" = 20'
DRAWING NO.	6 OF 8

COWLES SHORT PLAT

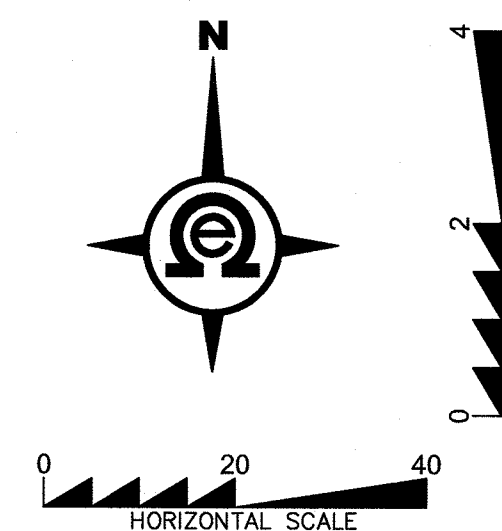
SECTION 33, TOWNSHIP 28N, RANGE 5E, W.M.



PRIVATE DRIVEWAY CENTERLINE PROFILE



SECTION 'B-B'
PRIVATE DRIVEWAY
DESIGN SPEED = 25 MPH
N.T.S.



Know what's below.
Call two business
days before you dig.

PFN:

ACCEPTED IN COMPLIANCE WITH CONDITIONS ON APPROVAL

SCALE: 1" = 20'

DIRECTOR OF PUBLIC WORKS AND DEVELOPMENT SERVICES _____ DATE _____

PRIVATE DRIVEWAY PLAN & PROFILE

2707 WETMORE AVE.
EVERETT, WA 98201
t 425.903.4852
f 425.259.1958



COWLES SHORT PLAT

COJ. NO. 21-0818	DSN. BY: EJT
---------------------	-----------------

DATE: 12/10/2021

SCALE: 1" = 20'

DRAWING NO. 7 8

COWLES SHORT PLAT

SECTION 33, TOWNSHIP 28N, RANGE 5E, W.M.



OMEGA
ENGINEERING, INC.

**COWLES
SHORT PLAT**

CITY OF MILL CREEK, Washington
PORTION OF SECTION 16, TOWNSHIP
27 NORTH, RANGE 5 EAST, W.M.

CU. NO. 21-0818	DSN. BY: EJT
DATE: 12/10/2021	
SCALE: 1" = 20'	
DRAWING NO. 8 8 OF	



Know what's below.
Call two business
days before you dig.

PFN: _____

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DIRECTOR OF PUBLIC WORKS
AND DEVELOPMENT SERVICES

DATE