



#### **Site Plan Review Committee**

Michael Thomas, City Manager

#### **COMMUNITY DEVELOPMENT DEPARTMENT**

**360-330-7662**

Emil Pierson, CD Director

[epierson@cityofcentralia.com](mailto:epierson@cityofcentralia.com)

Mike Watilo, Building Official

[mwatilo@cityofcentralia.com](mailto:mwatilo@cityofcentralia.com)

#### **PUBLIC WORKS DEPARTMENT**

**360-330-7512**

Andy Oien, PW Director

[auien@cityofcentralia.com](mailto:auien@cityofcentralia.com)

Patty Page, City Engineer

[ppage@cityofcentralia.com](mailto:ppage@cityofcentralia.com)

#### **CENTRALIA CITY LIGHT**

**360-330-7512**

Willie Wright, Eng. & Ops. Manager

[wwright@cityofcentralia.com](mailto:wwright@cityofcentralia.com)

#### **POLICE DEPARTMENT**

**360-330-7680**

Andy Caldwell, Chief

[acaldwell@cityofcentralia.com](mailto:acaldwell@cityofcentralia.com)

#### **RIVERSIDE FIRE AUTHORITY**

**360-736-3975**

Terry Ternan, Fire Marshal

[tternan@riversidefire.net](mailto:tternan@riversidefire.net)

#### **LEGAL DEPARTMENT**

**360-330-7675**

Kyle Manley, City Attorney

[kmanley@cityofcentralia.com](mailto:kmanley@cityofcentralia.com)

## **SITE PLAN REVIEW COMMITTEE**

### **Meeting Agenda**

*Monday, December 22, 2025*

Join Zoom meeting: [Public Meeting Link](#)

Join by mobile: #1-253-215-8782

Meeting ID: 891 1886 9218

Passcode: 926458

**All applicants should join the meeting at 10 AM as time frames are estimations only and subject to change. The public are invited to participate.**

**9:00 AM**

**STAFF REVIEW TIME**

#### **10:00 AM – Site Plan Review**

**Project Name:** Norplex Civil Plan for Building Addition

**Applicant/Owner:** Jerry Sanford, 3 Sanfords LLC

**Property Address:** 1703 Industrial Drive

**Contact Phone:** 206.817.1813

**Email:** [jsanford@norplexinc.com](mailto:jsanford@norplexinc.com)

**Zone:** M2, Industrial District

**Parcel Information:** 003682-056-041

**Request:** Final civil plan approval for future building addition construction.

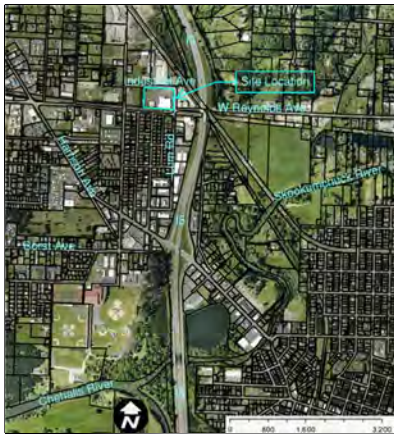


APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

# 3 SANFORDS, LLC FACTORY BUILDING ADDITION

1703 INDUSTRIAL DRIVE  
CENTRALIA, WA 98531

## VICINITY MAP:



## PREPARED FOR:

### 3 SANFORDS, LLC

20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
CONTACT: JERRY SANFORD  
EMAIL: JSANFORD@NORPLEXINC.COM

## PREPARED BY:



CIVIL | STRUCTURAL | ARCHITECTURAL | SURVEY

4815 CENTER STREET | TACOMA, WA. 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153

<http://www.sittshill.com/>

CONTACT: KATHY HARGRAVE, P.E.  
EMAIL: KATHYH@SITTSBILL.COM

## INDEX OF DRAWINGS

DISCIPLINE:	CIVIL
DRAWING No.	TITLE - DESCRIPTION
C0.00	CIVIL COVER SHEET
SVL.0	SITE BOUNDARY AND TITLE DETAILS
SVL.1	TOPOGRAPHIC SURVEY
SVL.2	TOPOGRAPHIC SURVEY
SVL.3	TOPOGRAPHIC SURVEY
SVL.4	TOPOGRAPHIC SURVEY
SVL.5	TOPOGRAPHIC SURVEY
SVL.6	TOPOGRAPHIC SURVEY
C1.01	DEMOLITION AND TESC PLAN
C1.02	DEMOLITION AND TESC NOTES
C1.03	DEMOLITION AND TESC DETAILS
C2.01	ON-SITE SURFACING AND LAYOUT PLAN
C2.02	ON-SITE SURFACING NOTES AND DETAILS
C3.01	ON-SITE GRADING AND DRAINAGE PLAN
C3.02	ON-SITE GRADING AND DRAINAGE NOTES AND DETAILS
C3.03	ON-SITE GRADING AND DRAINAGE NOTES AND DETAILS
C3.04	ON-SITE DRAINAGE PROFILES
C3.05	CROSS-SECTIONS
C4.01	INDUSTRIAL DRIVE (W-E) ROADWAY PLAN AND PROFILE
C4.02	INDUSTRIAL DRIVE/W REYNOLDS AVE ROADWAY PLAN & PROFILE
C4.03	ROADWAY SURFACING NOTES AND DETAILS
C4.04	ROADWAY STORMWATER NOTES AND DETAILS
C4.05	STREET LIGHTS NOTES AND DETAILS
C4.06	ENLARGED GRADING PLANS
C5.01	UTILITY PLAN
C5.02	WATER NOTES AND DETAILS
C5.03	WATER NOTES AND DETAILS
C5.04	SANITARY SEWER NOTES AND DETAILS
DISCIPLINE:	LANDSCAPE
L1.01	LANDSCAPE IRRIGATION PLAN
L2.01	LANDSCAPE IRRIGATION DETAILS
L3.01	LANDSCAPE PLANTING PLAN
L4.01	LANDSCAPE PLANTING DETAILS

## HORIZONTAL DATUM

WASHINGTON PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83/2011  
BASED ON GPS OBSERVATION UTILIZING THE WASHINGTON STATE REFERENCE NETWORK (WSRN)

MEASURED NORTH 87°45'00" WEST BETWEEN TWO FOUND MONUMENTS ALONG THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 31

## VERTICAL DATUM

NAVD 88  
BENCHMARK: W.S.D.O.T. MONUMENT DESIGNATION "COM-C" LOCATED AT THE SOUTHWEST CORNER OF THE FIRE STATION AT 1818 HARRISON AVENUE  
BRASS MONUMENT IN CASE  
ELEV. = 172.58

T.B.M. #11  
TEMPORARY BENCHMARK ELEVATION = 182.94'  
DESCRIPTION: WAG NAIL ON THE SOUTH SIDE OF W. REYNOLDS AVE. SOUTH EDGE OF ROAD & S. OF RAILROAD BRIDGE.

T.B.M. #22  
TEMPORARY BENCHMARK ELEVATION = 183.09'  
DESCRIPTION: BRASS MONUMENT IN CASE, C/A W. REYNOLDS AVE. 150' +/- EAST OF INTX. W INDUSTRIAL DRIVE.

## LEGAL DESCRIPTION

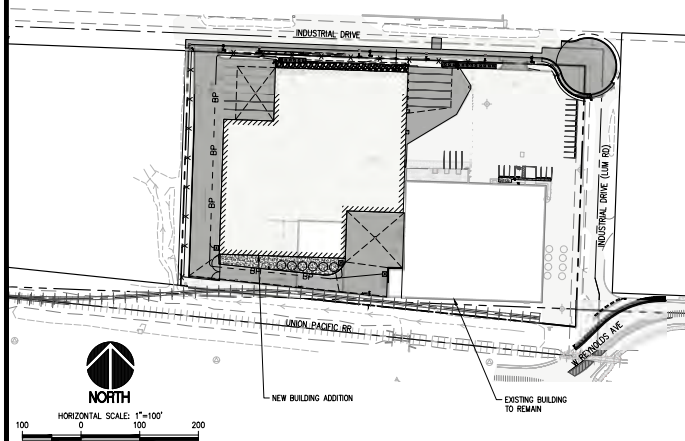
PARCEL A OF B.L.A. FOR LOT COMBINATION UNDER A.C.N. 3628595.

THAT PORTION OF GOVERNMENT LOT 6 OF SECTION 31, TOWNSHIP 15 NORTH, RANGE 2 WEST, W.M., AND THE J.K. LUM DONATION LAND CLAIM, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 31; THENCE NORTH 87°45'00" WEST, ALONG THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SAID SECTION, 283.64 FEET TO THE SOUTH QUARTER CORNER OF SAID SECTION; THENCE NORTH 31°47'00" EAST, 40.73 FEET TO THE INTERSECTION OF THE EAST RIGHT OF WAY MARGIN OF JOHNSON ROAD AND THE NORTHERLY RIGHT OF WAY MARGIN OF THE UNION PACIFIC RAILROAD (FORMERLY NORTHERN PACIFIC RAILWAY); THENCE SOUTH 40°20'00" EAST, ALONG SAID NORTHERLY RIGHT OF WAY MARGIN, 335.42 FEET TO THE POINT OF BEGINNING; THENCE NORTH 01°57'30" EAST, 400.16 FEET TO THE SOUTHERLY MARGIN OF INDUSTRIAL DRIVE; THENCE SOUTH 87°45'00" EAST, ALONG SAID MARGIN, 470.02 FEET TO ITS INTERSECTION WITH THE WEST RIGHT OF WAY MARGIN OF LUM ROAD; THENCE SOUTH 02°02'14" WEST, ALONG SAID WEST MARGIN OF LUM ROAD, 444.84 FEET TO THE APPROXIMATE NORTHERLY RAILROAD RIGHT OF WAY MARGIN OF UNION PACIFIC RAILROAD; THENCE NORTH 84°59'58" WEST, ALONG SAID NORTHERLY MARGIN, 676.69 FEET TO THE POINT OF BEGINNING.

SITUATE IN THE CITY OF CENTRALIA, COUNTY OF LEWIS, STATE OF WASHINGTON.

## OVERALL SITE PLAN



## PROJECT INFORMATION

SITE ADDRESS:	1703 INDUSTRIAL DRIVE, CENTRALIA, WA 98531
PARCEL NUMBERS:	003682-056-041
PARCEL AREA:	285,418 S.F. (6.55 ACRES)
ZONING:	M-2, HEAVY INDUSTRIAL
FLOOD ZONE:	LIMITS OF WORK DO NOT LIE WITHIN 100-YEAR FLOOD PLAIN
SCOPE OF WORK:	CONSTRUCT BUILDING ADDITION TO THE EXISTING MANUFACTURING FACILITY. PROVIDE: ON-SITE AND OFF-SITE STORMWATER FACILITIES, FRONTAGE IMPROVEMENTS AND UTILITY SERVICES
NEW/REPLACED IMPERVIOUS SURFACE:	166,390 S.F. (3.820 ACRES)
DISTURBED AREA:	202,065 S.F. (4.639 ACRES)
EARTHWORK VOLUMES*	
TOTAL CUT:	4,300 CY
TOTAL FILL:	3,200 CY

\*FOR PERMITTING PURPOSES ONLY

APPROVALS  
DESIGNED \_\_\_\_\_ AS  
DRAWN \_\_\_\_\_ AS  
CHECKED \_\_\_\_\_ KH  
DATE 06/10/24  
SCALE AS NOTED  
APPROVED CITY COMMENTS 12-08-2020  
ISSUED FOR PERMIT 10-24-2020

DESIGNED \_\_\_\_\_ AS  
DRAWN \_\_\_\_\_ AS  
CHECKED \_\_\_\_\_ KH  
DATE 06/10/24  
SCALE AS NOTED



3 SANFORDS, LLC  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

PROJECT NO. 20862  
PROJECT NAME 3 SANFORDS, LLC FACTORY ADDITION  
SHEET TITLE CML COVER SHEET

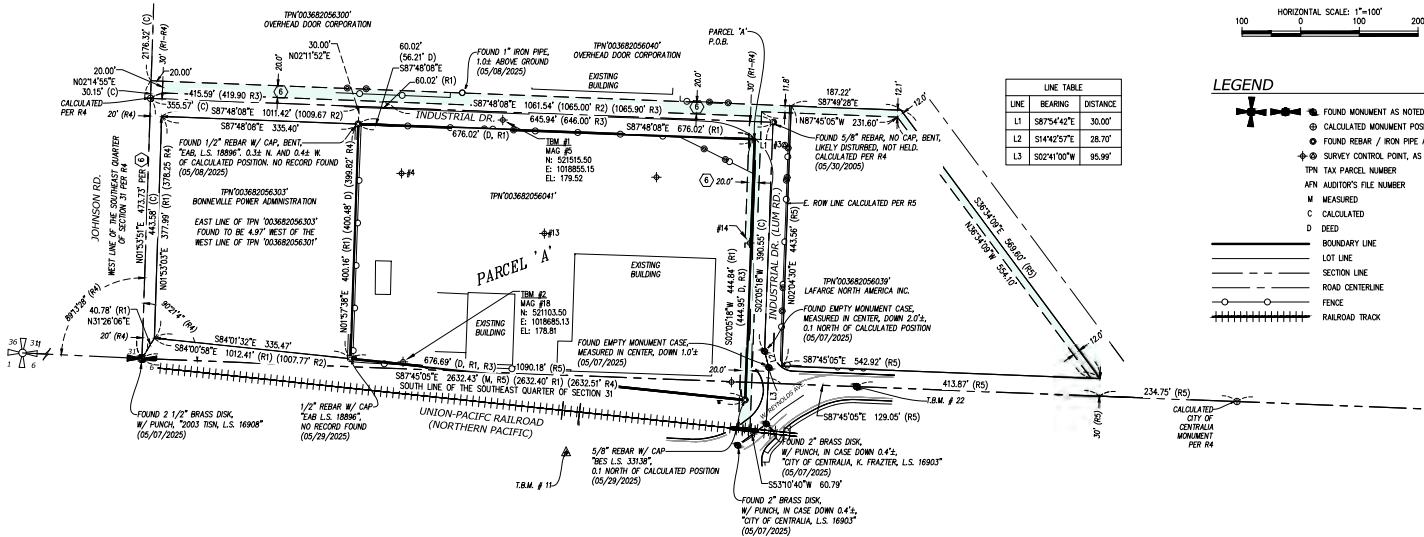
C0.00  
PROJECT NO. 20862



BOUNDARY AND TOPOGRAPHIC SURVEY  
3 SANFORDS, LLC.

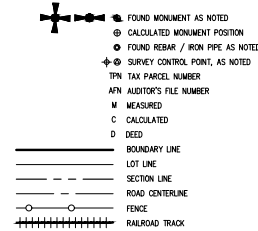
A PORTION OF THE J.K. LUM D.L.C., ALSO KNOWN AS THE SW 1/4 OF THE SE 1/4 OF  
SECTION 31, TOWNSHIP 15 NORTH, RANGE 2 WEST, W.M.,  
CITY OF CENTRALIA, LEWIS COUNTY, WASHINGTON STATE

CONTROL TABLE			
POINT	NORTHING	EASTING	DESCRIPTION
3	521472.55	1019335.68	ROD
4	521424.58	1018682.57	MAG
13	521322.13	1018926.04	MAG
14	521305.90	1019276.02	MAG



LINE TABLE		
LINE	BEARING	DISTANCE
L1	S87°54'42\"	30.00'
L2	S1°42'57\"	28.70'
L3	S52°41'00\"	95.99'

LEGEND



HORIZONTAL DATUM

WASHINGTON PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD 83(2011)  
BASED ON GPS OBSERVATION UTILIZING THE WASHINGTON  
STATE REFERENCE NETWORK (WSRN)

VERTICAL DATUM

NAVD 88  
BENCHMARK: W.S.D.O. MONUMENT DESIGNATION "CDM-1"  
LOCATED AT THE SOUTHWEST CORNER OF THE FIRE STATION AT  
1818 HARRISON AVENUE  
BRASS MONUMENT IN CASE.  
ELEV. = 172.58'  
T.B.M. #11  
TEMPORARY BENCHMARK ELEVATION = 162.34'  
DESCRIPTION: MAG NAIL ON THE SOUTH SIDE OF W. REYNOLDS  
AVE. SOUTH EDGE OF ROAD & S. OF RAILROAD BRIDGE.  
T.B.M. #22  
TEMPORARY BENCHMARK ELEVATION = 163.05'  
DESCRIPTION: BRASS MONUMENT IN CASE, C/A W. REYNOLDS  
AVE. 150' +/- EAST OF INTX. W INDUSTRIAL DRIVE.

SITE DATA

TAX PARCEL NO: 003082-056-041  
ADDRESS: 1703 INDUSTRIAL DR., CENTRALIA, WA 98531  
LAND AREA: 285,418.95 SQ. FT. / 6.5524 ACRES

NOTES

- EQUIPMENT USED: CARLSON CR2+ ROBOTIC TOTAL STATION AND JAVAD TRIUMPH-3NR RTK/GPS.
- THIS SURVEY WAS PERFORMED BY FIELD TRAVERSE WITH THE FINAL RESULTS MEETING OR EXCEEDING THE CURRENT TRANSFER AND RELATIVE POSITIONAL ACCURACY STANDARDS CONTAINED IN W.A.C. 332-130-085 AND W.A.C. 332-130-090. THE RELATIVE POSITIONAL ACCURACY OF THE POSITIONS LOCATED HEREON MEETS OR EXCEEDS 2 CM (0.01 FT.) PLUS 50 PARTS PER MILLION BETWEEN ANY TWO TESTED POSITIONS. ALL MEASUREMENTS WERE MADE IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
- IN ACCORDANCE WITH THE REVISED CODE OF WASHINGTON (R.C.W.) 58.09 AND THE WASHINGTON ADMINISTRATIVE CODE (W.A.C.) 332-130, THIS SURVEY MAY DEPICT OCCUPANCY INDICATORS THAT DIFFER FROM THE DEEDED LOT LINES. THESE INDICATORS, IF AT ALL PRESENT, MAY REPRESENT A POTENTIAL FOR CLAIMS OF UNWRITTEN TITLE. THIS SURVEY DOES NOT PURPORT TO RESOLVE SUCH ITEMS.
- FIELD WORK PERFORMED IN MAY-JUNE 2025, UNDER SITTS & HILL JOB NUMBER 20862.
- UTILITIES AS SHOWN HEREON ARE BASED ON FIELD SURVEY OBSERVATION OF UTILITY LOCATE SERVICES PERFORMED BY MOUNTAIN VIEW LOCATING LLC IN MAY 2025 FOR THIS SURVEY. UTILITIES OTHER THAN SHOWN MAY EXIST ON THE SITE. THE SURVEYOR DOES NOT WARRANT THAT THE POSITIONS LOCATED HEREON MEETS OR EXCEEDS 2 CM (0.01 FT.) PLUS 50 PARTS PER MILLION BETWEEN ANY TWO TESTED POSITIONS. THE SURVEYOR DOES CERTIFY THAT THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM FIELD SURVEY AND PAINTED UTILITY LOCATE LINES. COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA IS CONSISTENT WITH QUALITY LEVEL 6 OF THE ASCE STANDARD GUIDELINES 38-22.
- SITTS & HILL ENGINEERS, INC. HAS RELIED UPON TITLE INFORMATION NOTED IN COMMENT FOR TITLE INSURANCE PREPARED BY LEWIS COUNTY TITLE COMPANY OF WASHINGTON, SUBROVISION GUARANTEE NUMBER SOW-08007836, DATED MAY 8, 2025. IN PREPARATION OF THIS SURVEY, SITTS & HILL ENGINEERS, INC. HAS CONDUCTED NO INDEPENDENT TITLE SEARCH NOR IS SITTS & HILL ENGINEERS, INC. AWARE OF ANY TITLE ISSUES AFFECTING THE SURVEYED PROPERTY OTHER THAN THOSE SHOWN OR NOTED ON THE MAP AND/OR DISCLOSED BY SAID TITLE COMPANY'S ORDER. SITTS & HILL ENGINEERS, INC. HAS RELIED WHOLLY ON SAID TITLE COMPANY'S REPORT AND THEREFORE QUALIFIES THE MAP'S ACCURACY AND COMPLETENESS TO THAT EXTENT.
- THIS SURVEY COMPLIES WITH W.A.C. 332-130-145. THE CONTOURS DEPICTED HEREON ARE BASED ON DATA FROM DIRECT FIELD MEASUREMENTS. SPOT ELEVATIONS ARE BASED ON DIRECT FIELD MEASUREMENTS AND ARE DEPICTED FOR REFERENCE. THE PURPOSE OF THIS TOPOGRAPHIC MAP IS TO SERVE AS A BASE MAP FOR CONTINGENTATED SITE IMPROVEMENTS AND DESIGN. THIS TOPOGRAPHIC SURVEY MAP HAS BEEN DEVELOPED FROM A BODY OF FIELD COLLECTED DATA POINTS AND RECORD INFORMATION, AS NOTED. NOT ALL UNDERSTANDING DATA POINTS EXISTING WITHIN THE CAD BASE DRAWING (AUTODESK CIVIL 3D FILE) ARE DEPICTED ON THE PLOT DELIVERABLE. SEE THE DIGITAL CAD FILE FOR ALL FIELD COLLECTED DATA, AND CONTACT SITTS & HILL ENGINEERS IF THERE ARE ISSUES WITH MAKING THIS DATA VISIBLE.
- BUILDING DIMENSIONS AND SQUARE FOOTAGE DEPICTED HEREON ARE BASED ON DIRECT FIELD MEASUREMENTS AT EXTERIOR GROUND LEVEL.

LEGAL DESCRIPTION

PARCEL A OF B.L.A. FOR LOT COMBINATION UNDER A.F.N. 3625995:

THAT PORTION OF GOVERNMENT LOT 6 OF SECTION 31, TOWNSHIP 15 NORTH, RANGE 2 WEST, W.M., AND THE J.K. LUM DONATION LAND CLAIM, DESCRIBED AS FOLLOWS:  
COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 31; THENCE NORTH 87°45'05\"

SCHEDULE B EXCEPTIONS

(PER LEWIS COUNTY TITLE COMPANIES SUBROVISION GUARANTEE POLICY NUMBER SOW-08007836, DATED MAY 08, 2025)

- \* NOT A SURVEY MASTER, DESCRIPTION PROVIDED AS A COURTESY
- \*\* CONTENT/DATA WITHIN INSTRUMENT IS INSUFFICIENT TO DETERMINE EXACT LOCATION
- \*\*\* INSTRUMENT IS BLANKET IN NATURE OR AFFECTS ENTIRE PROPERTY

EXCEPTION NUMBER	APN	DESCRIPTION
1*	N/A	NOTE REGARDING GENERAL TAXES
2*	N/A	NOTE REGARDING CITY FEES AND TAXES
3*	N/A	NOTE REGARDING UTILITY FEE
4	848178 865591 9204273	RECORD OF SURVEY AND ANY MATTERS DISCLOSED WITHIN THE INSTRUMENT
5	3076161 3076162	RECORD OF SURVEY AND ANY MATTERS DISCLOSED WITHIN THE INSTRUMENT
6	651799	EASEMENT IN FAVOR OF THE CITY OF CENTRALIA, FOR THE CONSTRUCTION, OPERATION, AND/OR MAINTENANCE OF POWER, WATER, AND SEWER LINES AND APPURTENANCES; THE 20' WIDE PORTION OF SAID EASEMENT WHICH FOLLOWS THE WEST LINE OF LUM ROAD DOES NOT SPECIFY THE LOCATION OF THE EASEMENT RELATIVE TO THE DISCLOSED LINE. THEREFORE THE LINE WAS ASSUMED TO DESCRIBE THE CENTERLINE OF SAID EASEMENT.
7	3302874 3417942	RECORD OF SURVEY AND ANY MATTERS DISCLOSED WITHIN THE INSTRUMENT
8**	341493	HAZARDOUS SUBSTANCE INDEMNITY AGREEMENT WITH J.P. MORGAN CHASE BANK
9	N/A	CONFLICT IN RECORD LEGAL DESCRIPTION WITH THE WESTERN PROPERTY, AND ANY QUESTION OF OWNERSHIP OR ADVERSE POSSESSION ARISING FROM STATED CONFLICT.
10	N/A	RIGHTS OF THE PUBLIC AND RIPARIAN OWNERS OVER ANY WATERS WHICH MAY COVER THE LAND

SITUATE IN THE CITY OF CENTRALIA, COUNTY OF LEWIS, STATE OF WASHINGTON.

APPROVED FOR CONSTRUCTION \_\_\_\_\_ DATE \_\_\_\_\_  
CITY ENGINEER \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

DESIGNED: \_\_\_\_\_  
DRAWN: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
DATE: 12/03/2025  
SCALE: AS NOTED



3 SANFORDS, LLC  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

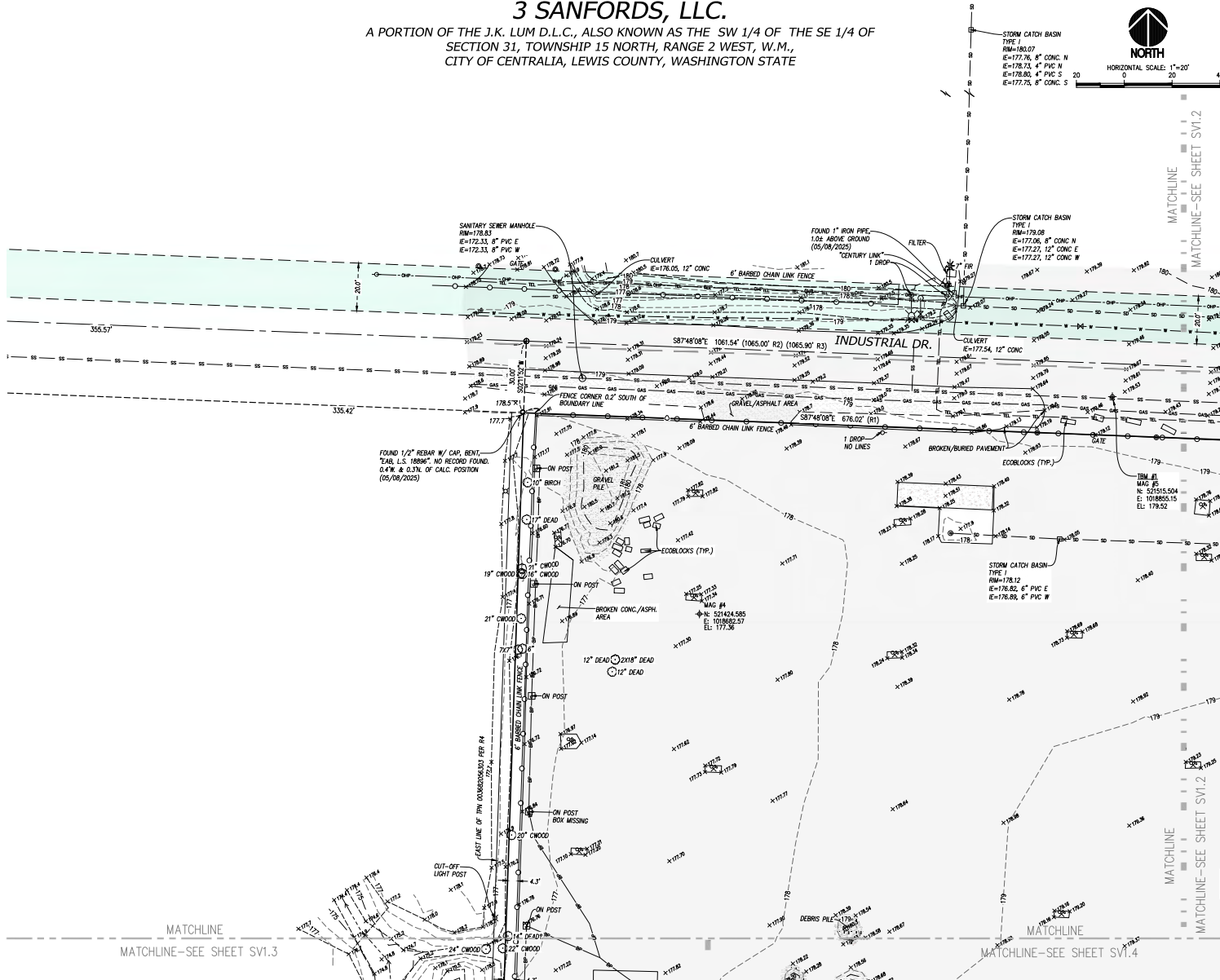
PROJECT: 3 SANFORDS, LLC  
FACTORY ADDITION  
1703 INDUSTRIAL DR., CENTRALIA, WA, 98531  
SHEET TITLE: SITE BOUNDARY  
AND TILE DETAILS

SV1.0  
20862



BOUNDARY AND TOPOGRAPHIC SURVEY  
**3 SANFORDS, LLC.**

A PORTION OF THE J.K. LUM D.L.C., ALSO KNOWN AS THE SW 1/4 OF THE SE 1/4 OF  
SECTION 31, TOWNSHIP 15 NORTH, RANGE 2 WEST, W.M.,  
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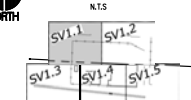
**LEGEND**

- FOUND MONUMENT AS NOTED
- CALCULATED MONUMENT POSITION
- FOUND REBAR / IRON PIPE AS NOTED
- ◆ SURVEY CONTROL POINT, AS NOTED
- CLEAN OUT
- SANITARY SEWER MANHOLE
- STORM CATCH BASIN
- < STORM CULVERT
- △ ROOF DRAIN
- WATER VALVE
- WATER METER
- △ FIRE HYDRANT
- ◆ FIRE DEPARTMENT CONNECTION
- △ POST INDICATOR VALVE
- △ IRRIGATION CONTROL VALVE
- WATER VAULT
- GAS VALVE
- GAS METER
- UTILITY POLE
- ← GUY ANCHOR
- JUNCTION BOX
- POWER VAULT
- POWER CABINET
- LIGHT POLE
- ELECTRIC METER
- △ POWER TRANSFORMER
- TELEPHONE RISER
- TELECOM JUNCTION BOX
- HVAC UNIT
- UTILITY VAULT
- COLUMN
- BOLLARD
- PILE
- GATE POST
- SIGN
- MAILBOX
- A SAMPLE PIT
- DECIDUOUS TREE
- EVERGREEN TREE
- ROCK
- DOOR CENTERLINE
- FF FINISH FLOOR ELEVATION
- TPN TAX PARCEL NUMBER

- BOUNDARY LINE
- LOT LINE
- SECTION LINE
- ROAD CENTERLINE
- RIGHT OF WAY LINE
- EASEMENT LINE
- PARCEL LINE PER LEWIS COUNTY GIS
- SD STORM DRAIN LINE
- SS SANITARY SEWER LINE
- W BURIED WATER LINE
- GAS BURIED GAS LINE
- BP BURIED POWER LINE
- TEL BURIED TELECOMMUNICATIONS LINE
- OHP OVERHEAD POWER LINE
- MU MISCELLANEOUS UTILITY LINE
- FENCE
- RAILROAD TRACK
- ASPHALT SURFACE
- CONCRETE SURFACE
- GRAVEL SURFACE
- RP-RAP SURFACE
- STEEL SURFACE



**KEYPLAN**



DESIGNED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DATE: 12/03/2025  
SCALE: AS NOTED

**sitts & hill**  
CIVIL | STRUCTURAL | ARCHITECTURAL | SURVEY  
4015 CENTER STREET  
TACOMA, WA 98409  
PHONE: (253) 473-1111  
WWW.SITTSANDHILL.COM

**3 SANFORDS, LLC**  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
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JERRY SANFORD, (206) 817-1813

**3 SANFORDS, LLC**  
FACTORY ADDITION  
20717 INDUSTRIAL DR, CENTRALIA, WA, 98531  
PROJECT TITLE: **TOPOGRAPHIC SURVEY**

**SV1.1**  
PROJECT NO.  
**20862**



3 SANFORDS, LLC  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

BOUNDARY AND TOPOGRAPHIC SURVEY  
**3 SANFORDS, LLC.**

A PORTION OF THE J.K. LUM D.L.C., ALSO KNOWN AS THE SW 1/4 OF THE SE 1/4 OF  
SECTION 31, TOWNSHIP 15 NORTH, RANGE 2 WEST, W.M.,  
CITY OF CENTRALIA, LEWIS COUNTY, WASHINGTON STATE



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

APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

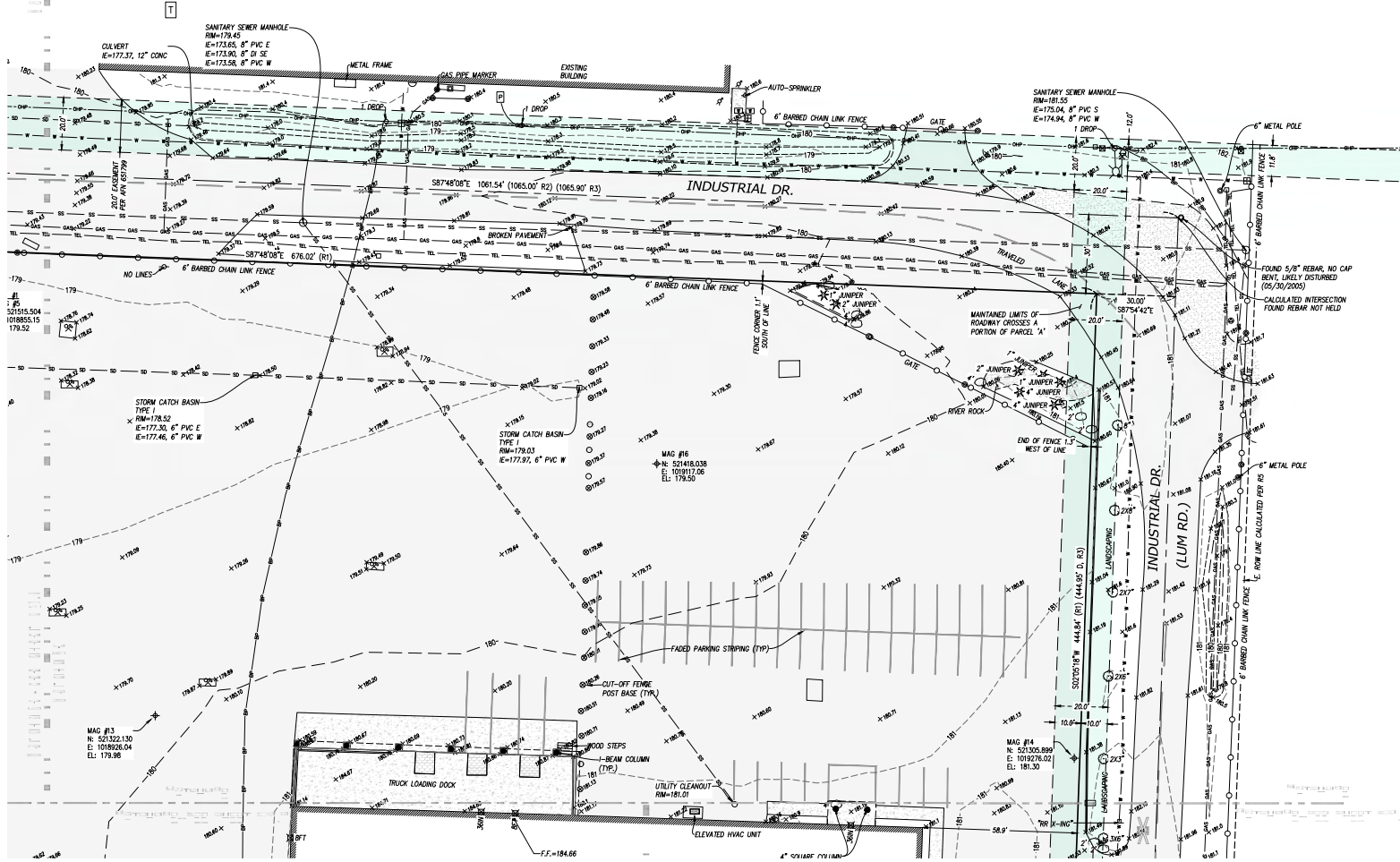
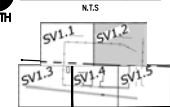
**LEGEND**

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- CALCULATED MONUMENT POSITION
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- ◆ SURVEY CONTROL POINT, AS NOTED
- CLEAN OUT
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- TEL --- BURIED TELECOMMUNICATIONS LINE
- OP --- OVERHEAD POWER LINE
- MU --- MISCELLANEOUS UTILITY LINE
- --- DITCH LINE
- --- FENCE
- --- RAILROAD TRACK
- ASPHALT SURFACE
- CONCRETE SURFACE
- GRAVEL SURFACE
- RIP-RAP SURFACE
- STEEL SURFACE



**KEYPLAN**



DESIGNED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DATE: 12/03/2020  
SCALE: AS NOTED

sh sitts & hill  
CIVIL | STRUCTURAL | ARCHITECTURAL | SURVEY  
4015 CENTRAL STREET  
TACOMA, WA 98409  
PHONE: (253) 423-1234  
WWW.SHILLSITTSANDHILL.COM

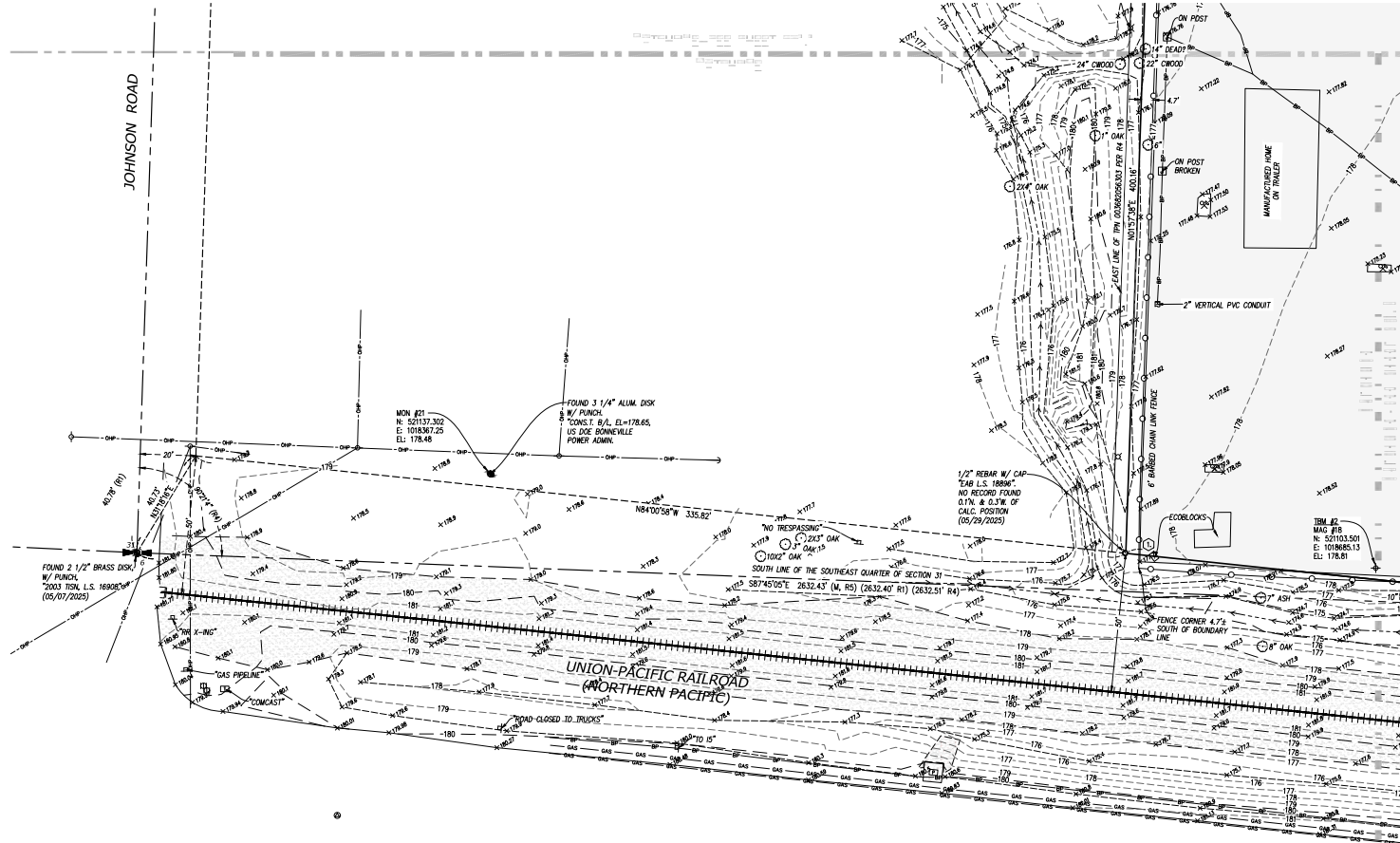
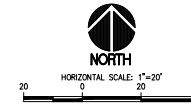
PROJECT: 3 SANFORDS, LLC  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

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PROJECT NO.  
**20862**



BOUNDARY AND TOPOGRAPHIC SURVEY  
**3 SANFORDS, LLC.**  
A PORTION OF THE J.K. LUM D.L.C., ALSO KNOWN AS THE SW 1/4 OF THE SE 1/4 OF  
SECTION 31, TOWNSHIP 15 NORTH, RANGE 2 WEST, W.M.,  
CITY OF CENTRALIA, LEWIS COUNTY, WASHINGTON STATE



APPROVED FOR CONSTRUCTION \_\_\_\_\_  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

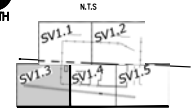
**LEGEND**

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- STORM CATCH BASIN
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- △ ROOF DRAIN
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- ⊕ FIRE HYDRANT
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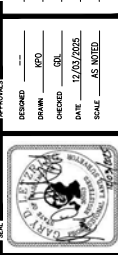
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**KEYPLAN**



DESIGNED BY \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_  
DATE 12/03/2025  
SCALE AS NOTED



**sitts & hill**  
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JERRY SANFORD, (206) 817-1813

**3 SANFORDS, LLC**  
FACTORY ADDITION  
1703 INDUSTRIAL DR, CENTRALIA, WA, 98531  
PROJECT TITLE  
**TOPOGRAPHIC SURVEY**

**SV1.3**  
PROJECT NO.  
**20862**



# BOUNDARY AND TOPOGRAPHIC SURVEY 3 SANFORDS, LLC.

A PORTION OF THE J.K. LUM D.L.C., ALSO KNOWN AS THE SW 1/4 OF THE SE 1/4 OF SECTION 31, TOWNSHIP 15 NORTH, RANGE 2 WEST, W.M., CITY OF CENTRALIA, LEWIS COUNTY, WASHINGTON STATE



HORIZONTAL SCALE: 1"=20'  
0 20 40

APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

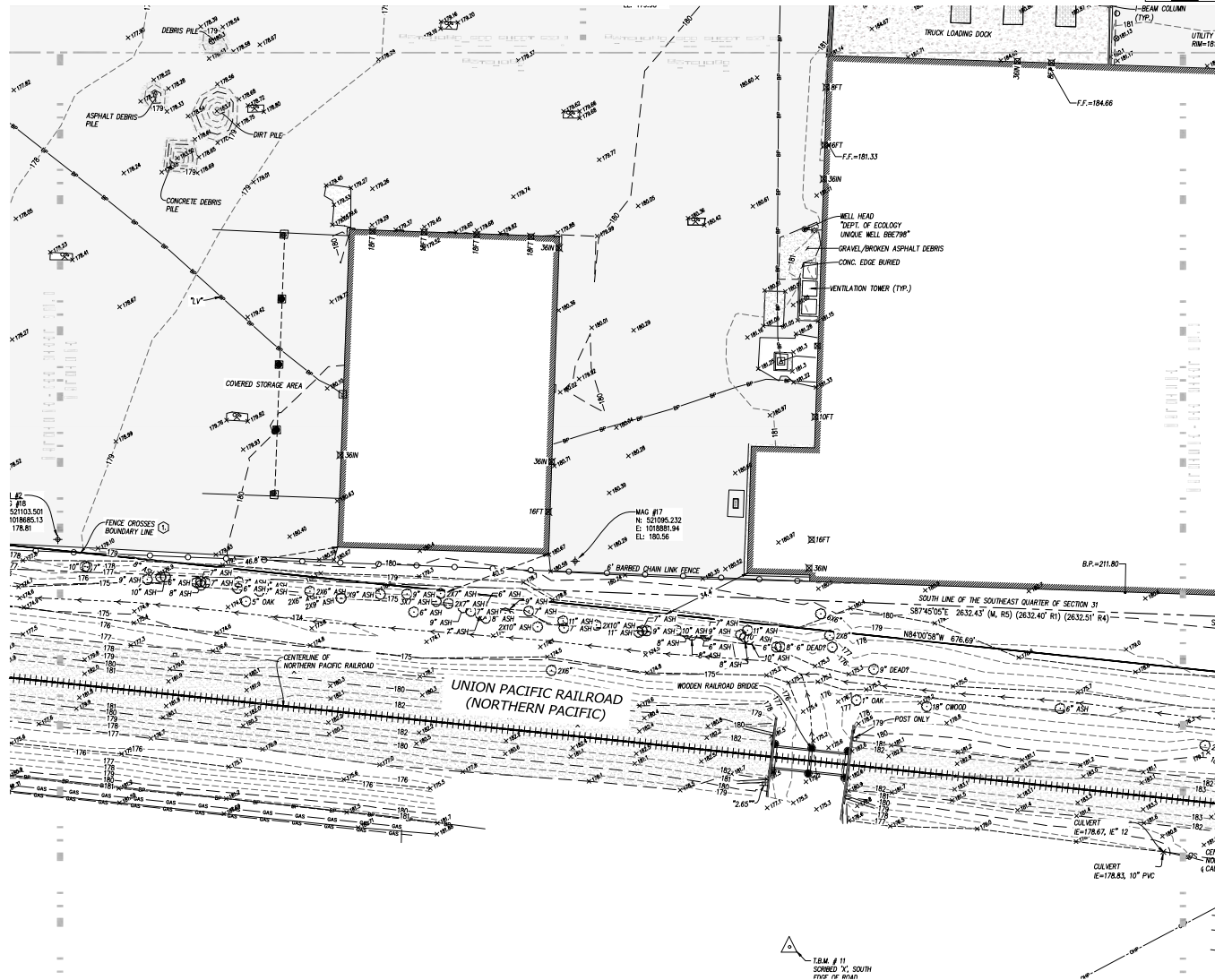
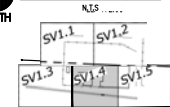
## LEGEND

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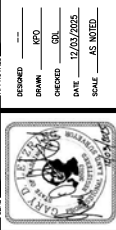
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## KEYPLAN



DESIGNED	BY	DATE
DRAWN	BY	DATE
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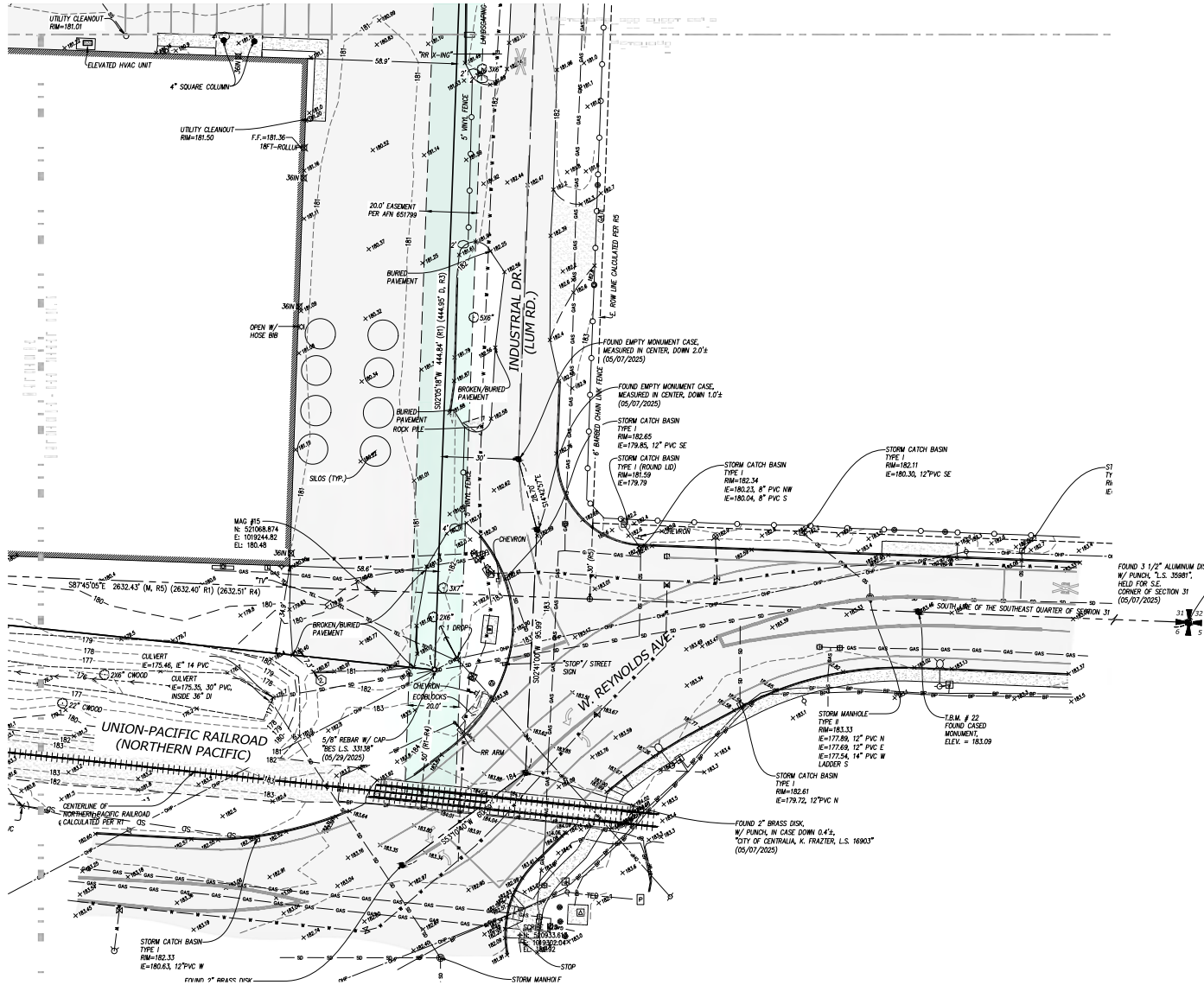
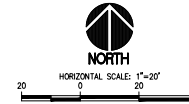
**3 SANFORDS, LLC**  
**FACTORY ADDITION**  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 871-1813

**3 SANFORDS, LLC**  
**FACTORY ADDITION**  
1703 INDUSTRIAL DR, CENTRALIA, WA 98531  
PROJECT TITLE  
**TOPOGRAPHIC SURVEY**

**SV1.4**  
PROJECT NO.  
**20862**



BOUNDARY AND TOPOGRAPHIC SURVEY  
**3 SANFORDS, LLC.**  
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APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
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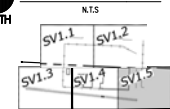
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**KEYPLAN**



DESIGNED	BY	DATE
CHECKED	BY	DATE
APPROVED	BY	DATE

SCALE	AS NOTED
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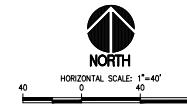
**3 SANFORDS, LLC**  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

**3 SANFORDS, LLC**  
FACTORY ADDITION  
1703 INDUSTRIAL DR, CENTRALIA, WA, 98531  
PROJECT TITLE  
**TOPOGRAPHIC SURVEY**

**SV1.5**  
PROJECT NO.  
**20862**



BOUNDARY AND TOPOGRAPHIC SURVEY  
**3 SANFORDS, LLC.**  
A PORTION OF THE J.K. LUM D.L.C., ALSO KNOWN AS THE SW 1/4 OF THE SE 1/4 OF  
SECTION 31, TOWNSHIP 15 NORTH, RANGE 2 WEST, W.M.,  
CITY OF CENTRALIA, LEWIS COUNTY, WASHINGTON STATE



APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

TPN'003682056300'  
OVERHEAD DOOR  
CORPORATION

TPN'003682056303'  
BONNEVILLE POWER  
ADMINISTRATION



TPN'003682056039'  
LAFARGE NORTH  
AMERICA INC.

**AERIAL EXHIBIT - 1703 INDUSTRIAL DR. CENTRALIA, WA 98531**

IMAGERY SOURCE: NEARMAP, APRIL 13 2025  
IMAGERY FOR ILLUSTRATIVE PURPOSES ONLY

DESIGNED	BY	DATE
DRAWN	BY	DATE
CHECKED	BY	DATE
SCALE	AS NOTED	

DESIGNED	BY	DATE
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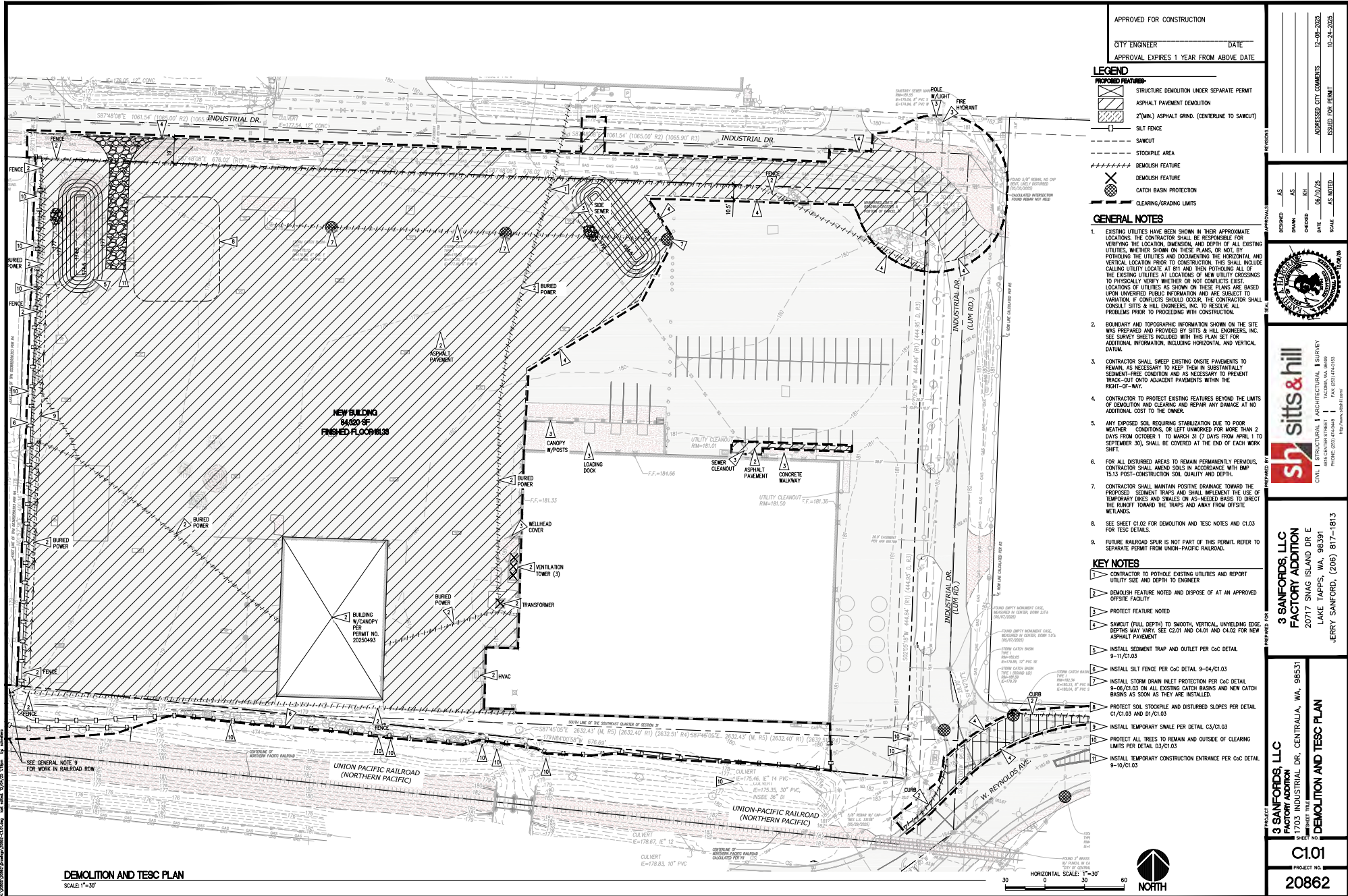


3 SANFORDS, LLC  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

3 SANFORDS, LLC  
FACTORY ADDITION  
1703 INDUSTRIAL DR, CENTRALIA, WA, 98531  
TOPOGRAPHIC SURVEY

SV1.6  
20862





APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

- LEGEND**
- STRUCTURE DEMOLITION UNDER SEPARATE PERMIT
  - ASPHALT PAVING DEMOLITION
  - 2" (MIN.) ASPHALT GRIND (CENTERLINE TO SAWCUT)
  - SILT FENCE
  - SAWCUT
  - STOCKPILE AREA
  - DEMOLISH FEATURE
  - CATCH BASIN PROTECTION
  - CLEARING/GRADING LIMITS
- GENERAL NOTES**
- EXISTING UTILITIES HAVE BEEN SHOWN IN THEIR APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THESE PLANS, OR NOT, BY POT-HOLES THE UTILITIES AND DOCUMENTING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE AT R11 AND THEN POT-HOLES ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT SITS & HILL ENGINEERS, INC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
  - BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITS & HILL ENGINEERS, INC. SEE SURVEY SHEETS INCLUDED WITH THIS PLAN SET FOR ADDITIONAL INFORMATION, INCLUDING HORIZONTAL AND VERTICAL DATUM.
  - CONTRACTOR SHALL SWEEP EXISTING ON-SITE PAVEMENTS TO REMAIN, AS NECESSARY TO KEEP THEM IN SUBSTANTIALLY SEASON-FREE CONDITION AND AS NECESSARY TO PREVENT TRACK-OUT ONTO ADJACENT PAVEMENTS WITHIN THE RIGHT-OF-WAY.
  - CONTRACTOR TO PROTECT EXISTING FEATURES BEYOND THE LIMITS OF DEMOLITION AND CLEARING AND REPAIR ANY DAMAGE AT NO ADDITIONAL COST TO THE OWNER.
  - ANY EXPOSED SOIL REQUIRING STABILIZATION DUE TO POOR WEATHER CONDITIONS, OR LEFT UNWORKED FOR MORE THAN 2 DAYS FROM OCTOBER 1 TO MARCH 31 (7 DAYS FROM APRIL 1 TO SEPTEMBER 30), SHALL BE COVERED AT THE END OF EACH WORK SHIFT.
  - FOR ALL DISTURBED AREAS TO REMAIN PERMANENTLY PERVIOUS, CONTRACTOR SHALL AMEND SOILS IN ACCORDANCE WITH BMW 75.13 POST-CONSTRUCTION SOIL QUALITY AND DEPTH.
  - CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TOWARD THE PROPOSED SEWAGE TRAPS AND SHALL IMPLEMENT THE USE OF TEMPORARY Dikes AND SWALES ON AS-NEEDED BASIS TO DIRECT THE RUNOFF TOWARD THE TRAPS AND AWAY FROM OFFSITE WETLANDS.
  - SEE SHEET C1.02 FOR DEMOLITION AND TESC NOTES AND C1.03 FOR TESC DETAILS.
  - FUTURE RAILROAD SPUR IS NOT PART OF THIS PERMIT. REFER TO SEPARATE PERMIT FROM UNION-PACIFIC RAILROAD.

- KEY NOTES**
- CONTRACTOR TO POT-HOLE EXISTING UTILITIES AND REPORT UTILITY SIZE AND DEPTH TO ENGINEER
  - DEMOLISH FEATURE NOTED AND DISPOSE OF AT AN APPROVED OFFSITE FACILITY
  - PROTECT FEATURE NOTED
  - SAWCUT (FULL DEPTH) TO SMOOTH, VERTICAL, UNWEIGHED EDOZ DEPTHS MAY VARY. SEE C2.01 AND C4.01 AND C4.02 FOR NEW ASPHALT PAVEMENT
  - INSTALL SEDIMENT TRAP AND OUTLET PER CAC DETAIL 9-11/C1.03
  - INSTALL SILT FENCE PER CAC DETAIL 9-04/C1.03
  - INSTALL STORM DRAIN INLET PROTECTION PER CAC DETAIL 9-06/C1.03 ON ALL EXISTING CATCH BASINS AND NEW CATCH BASINS AS SOON AS THEY ARE INSTALLED.
  - PROTECT SOIL STOCKPILE AND DISTURBED SLOPES PER DETAIL C1/C1.03 AND D1/C1.03
  - INSTALL TEMPORARY SWALE PER DETAIL C3/C1.03
  - PROTECT ALL TREES TO REMAIN AND OUTSIDE OF CLEARING LIMITS PER DETAIL D3/C1.03
  - INSTALL TEMPORARY CONSTRUCTION ENTRANCE PER CAC DETAIL 9-10/C1.03

3 SANFORDS, LLC  
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C1.01  
20862

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C1.01  
20862

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LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

C1.01  
20862

DEMOLITION AND TESC PLAN  
SCALE: 1"=30'



1. THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION STORMWATER PROVISIONS OF THE NPDES CONSTRUCTION STORMWATER PERMIT. UPON EXECUTION OF THIS CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STORMWATER ACTIVITIES ASSOCIATED WITH THIS PROJECT FOR THE DURATION OF THE CONTRACT. THE CONTRACTOR SHALL ALSO PROVIDE THE REQUIRED CERTIFIED PERSONNEL TO COMPLETE THE WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE REQUIRED SOURCE CONTROL MEASURES, BEST MANAGEMENT PRACTICES (BMP'S), AND STORMWATER TREATMENT MEASURES SUCH THAT THE STORMWATER DISCHARGE FROM THE SITE COMPLIES WITH THE CONSTRUCTION STORMWATER PROVISIONS OF THE CONSTRUCTION STORMWATER NPDES PERMIT. THIS INCLUDES EXECUTION OF THE STORMWATER POLLUTION PREVENTION PLAN, SOURCE CONTROL, BEST MANAGEMENT PRACTICES, STORMWATER TREATMENT, AND DEPARTMENT OF ECOLOGY INSPECTIONS, MONITORING, TESTING AND RECORD KEEPING, AND MAINTENANCE WORK AS REQUIRED TO ENSURE THAT ALL STORMWATER POLLUTION MEASURES REMAIN OPERATIONAL AND FUNCTIONAL.

1. OBTAIN SITE DEVELOPMENT PERMIT FROM CITY OF CENTRALIA. SCHEDULE PRE-CONSTRUCTION MEETINGS WITH THE CITY INSPECTOR, OWNER, CONTRACTOR AND DESIGN TEAM. SUBMIT ALL SUBMITTALS TO ARCHITECT.
2. PROVIDE TESC MEASURES (EROSION CONTROL PLANS AND DETAIL SHEETS). COORDINATE WITH PROJECT WORK TIME PERIODS & PROJECT MILESTONE COMPLETION DATES.
3. PROVIDE TEMPORARY UTILITIES AND SERVICES NECESSARY FOR CONSTRUCTION ACTIVITIES.

- EXCAVATION NOTES

2. EXCAVATE TO ELEVATIONS, LINES AND GRACES INDICATED TO NOT MORE THAN 1/2-INCH ABOVE OR BELOW THAT REQUIRED.
3. SLOPE Sides OF EXCAVATION AS INDICATED OR COMPLY WITH LOCAL CODES AND ORDINANCES HAVING JURISDICTION WHICHEVER IS MORE STRINGENT, SHORE OR BRACE WHERE SLOPING IS NOT POSSIBLE BECAUSE OF SPACE RESTRICTIONS OR STABILITY OF MATERIAL EXCAVATED.
3. NO NATIVE MATERIAL WILL BE ALLOWED FOR USE AS FILL OR BACKFILL FOR ANY UTILITIES UNDER PUBLIC ROADWAY. PRISM: USE OF NATIVE MATERIAL ON-SITE FOR PRIVATE UTILITY TRENCH BACKFILL WILL BE ALLOWED ONLY WITH ENGINEER'S APPROVAL BASED ON SATISFACTORY LABORATORY TESTING VERIFYING MATERIAL MEETS REQUIREMENTS OF PROPOSED STANDARD SPECIFICATIONS 9-05.15.2, SATISFACTORY EXCAVATED MATERIALS WERE DIRECTED TO BE REMOVED FOR BACKFILL OR FILL AFTER MATERIAL, APPROVAL, PLANT, GRADE AND SHAPE STOODCIPLES FOR PROPER DRAINAGE, LOAD AND RETAIN SOIL MATERIALS AWAY FROM EDGE OF EXCAVATIONS.

1. CONTROL SOIL COMPACTION DURING CONSTRUCTION PROVIDING MINIMUM PERCENTAGE OF DENSITY SPECIFIED FOR EACH AREA CLASSIFICATION. PERCENTAGES ARE RELATED TO MAXIMUM DRY DENSITY AS MEASURED IN CONFORMANCE WITH ASTM D 1557.
2. COMPACT TOP 12-INCHES OF SUBGRADE TO 95-PERCENT OF MAXIMUM DRY DENSITY UNDER ALL PAYMENTS.

WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE MOISTURE CONDITIONED BEFORE COMPACTION, UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MATERIAL TO PREVENT FREE WATER APPEARING ON SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY SOIL MATERIAL THAT IS TOO MOIST TO PERMIT COMPACTION TO SPECIFIED DENSITY. SOIL MATERIAL THAT HAS BEEN REMOVED BECAUSE IT IS TOO MOIST TO PERMIT COMPACTION MAY BE STOPPED OR SPREAD AND ALLOWED TO DRY ASSISTED BY FAN, TROWEL, HARROWING OR PULVERIZING UNTIL MOISTURE CONTENT IS REDUCED TO SATISFACTORY VALUE.

1. REFER TO "GEOTECHNICAL ENGINEERING REPORT AND HYDROLOGICAL ASSESSMENT" BY MIGZI GROUP, INC. DATED JULY 14, 2025 FOR MORE INFORMATION ABOUT SUBGRADE PREPARATION.

2. SUBGRADE BELOW STRUCTURAL FILL SHALL CONSIST OF FIRM, UNYIELDING NATIVE SOILS OR STRUCTURAL FILL MATERIALS UNDER NO CIRCUMSTANCES SHALL FOUNDATIONS BE INSTALLED AT LOOSE, SOFT, OR FROZEN SOIL, SLOES, DEBRIS, EXISTING UNCONTROLLED FILL, OR SURFACES COVERED BY STANDING WATER, ANY LOCALIZED ZONE OF LOSING GRANULAR SOILS OBSERVED WITHIN A SUBGRADE SHALL BE COMPACTED TO A DENSITY EQUAL TO THE SURROUNDING SOIL. ANY LOOSE, SOFT, OR FROZEN FILL OBSERVED WITHIN A SUBGRADE SHALL BE OVERGRAVATED AND REPLACED WITH FIRM, UNYIELDING FILL. THE FILLING CONDITION SHALL BE VERIFIED BY THE GEOTECHNICAL ENGINEER OR SPECIAL INSPECTOR PRIOR TO PLACING STRUCTURAL FILL.

1. REMOVE ALL DELETERIOUS MATERIAL FOUND ON-SITE INCLUDING VEGETATION, SOAP WOOD, TRASH, ETC. AND DISPOSE OF AT AN APPROVED OFF-SITE LOCATION.
2. AT ALL TIMES THE CONTRACTOR SHALL MAINTAIN SLOES, BARRICADES, FENCING, OR OTHER MEASURES TO ENSURE PROPER PROTECTION OF EXISTING AND ADJACENT PROPERTIES AND PREVENT UNAUTHORIZED ENTRY TO THE CONSTRUCTION AREA AT A MINIMUM FENCING SHALL BE 6.0 FEET HIGH.
3. PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH CITY OF CENTRAL AND STATE REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SIGNAGE DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL SIGNALS.
4. THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF OFF-SITE AND ON-SITE PAVED SURFACES WHEN DAMAGE HAS BEEN SUSTAINED DUE TO THE DEVELOPER'S CONSTRUCTION TRAFFIC.
5. ALL CONCRETE, PAVEMENT, CURBS, SIDEWALKS AND RAMPED INDICATED TO BE REMOVED OR REPLACED SHALL BE REMOVED TO THE NEAREST EXISTING GRADE AS IDENTIFIED DURING CONSTRUCTION. WHERE THIS IS NOT POSSIBLE DUE TO ADJACENT PROPERTIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION. PAVEMENT DEPTH SAW CUT AT THE PROPOSED JOINT IN SOUND PAVEMENT. PROPOSED CONCRETE / ASPHALT SHALL BE PLACED TO THE EXISTING GRADE. SAW CUT SHALL BE SEALED. THE CONTRACTOR SHALL MAKE SAWCUTS AT EXISTING CONSTRUCTION JOINTS WHERE POSSIBLE.

1. EQUIPMENT LUBRICATION AND FUELING OPERATIONS SHALL OCCUR AT THE DESIGNATED FUELING AREA OR AN APPROVED OFF-SITE LOCATION.
2. PREVENT OILS AND FUELS FROM ENTERING THE STORM DRAINAGE SYSTEM WITH PROPER CONTAINMENT DEVICES.
3. ACCESS TO CONSTRUCTION IS VIA ADJACENT EXISTING PAVED STREETS OR THE PROPOSED CONSTRUCTION ENTRANCE, SWEEP DIRT FROM PAVING DAILY OR AS NEEDED. THE INTENT IS TO PREVENT DIRT AND DEBRIS FROM VEHICLES AND EQUIPMENT FROM BEING DEPOSITED ON PUBLIC STREET PAVEMENT.

1. MULCH MATERIALS USED SHALL BE AS NOTED AND SHALL BE APPLIED AT THE RATE LISTED BELOW.
2. MULCH SHALL BE APPLIED IN ALL AREAS WITH EXPOSED SLOPES GREATER THAN 2:1.
3. MULCHING SHALL BE USED IMMEDIATELY AFTER SEEDING OR IN AREAS WHICH CANNOT BE SEEDS BECAUSE OF THE SEASON.
4. ALL AREAS NEEDING MULCH SHALL BE COVERED BY NOVEMBER 1. CONTRACTOR WILL NEED TO REMOVE WOOD FIBER CELLULOSE UPON FINAL PROJECT COMPLETION (IF USED) UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

MULCH MATERIALS, RATES AND USES		APPL. RATE	DEPTH OF APPLICATION	REMARKS
MULCH MATERIAL	QUALITY STANDARDS	PER 1,000 SQ. FT.	INCHES	
HAY OR STRAW	AIR DRY, FREE FROM WEED SEED AND COARSE MATERIAL	75 TO 100 POUNDS	1.5 TO 2 INCHES (MINIMUM)	USE WEEDS NEEDED FOR MORE THAN 3 MONTHS; SUBJECT TO BLOWING; KEEP MOIST OR TIE DOWN
WOOD FIBER CELLULOSE (PARTIALLY DECOMPOSED WOOD FIBERS)	NO GROWTH OR ORIGIN INHIBITING FACTORS	25 TO 30 POUNDS	1,000 TO 1,500 POUNDS	2 INCHES (MINIMUM) WHEN USED ON CRITICAL AREAS, DOUBLE THE APPLICATION RATE. APPLY WITH HYDRO-MULCHER (NO TOP DRESS REQUIRED)

1. SEED MIXTURES SHALL BE PER THE "SEED MIXTURE FOR EROSION CONTROL" TABLE BELOW, AND SHALL BE APPLIED AT THE RATE OF 120 LB. PER ACRE.
2. SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.
3. FOR SEED BEDS PLANTED BETWEEN DECEMBER 1 AND APRIL 30, AMMUNING OF THE SEED BED WILL BE NECESSARY (E.G. GERTIFIERS, ATE, ETC.) TO CLEAR PLUGS, COME MAT, AND PREPARE THE BED.
4. BEFORE SEEDING, INSTALL STEEP SLOPE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPT DIKES, SHALES, LEVEE SPREADERS, AND SEDIMENT BASINS.
5. THE SEED BED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
6. FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIERS RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.
7. SEED SHALL NOT BE USED IN AREAS SUBJECT TO BE WASH BY CONSTRUCTION TRAFFIC.
8. APPLICABLE IN AREAS OF 100' OR LESS SLOPE FOR A MAXIMUM HORIZONTAL DISTANCE OF 100 FEET. IN STEEPER AREAS (OVER SLOPE), USE MACH, NETTING, OR OTHER TREATMENTS SPECIFICALLY DESIGNED FOR STEEPER AND LONG SLOPES.

SEED MIXTURE FOR EROSION CONTROL NAME	PROPORTIONS BY WEIGHT	PERCENT PURITY	PERCENT GERMINATION
CHEWING OR ANNUAL BLUE GRASS (FESTUCA RUBRA VAR. COMMUTATA OR POA ANNA)	40%	98%	90%
PERENNIAL RYE (LOLIUM PERENNE)	50%	98%	90%
REDTOP (AGROSTIS ALBA) OR COLONIAL BENTGRASS (AGROSTIS TENAX)	5%	92%	85%
WHITE DUTCH CLOVER (TRIFOLIUM REPENS)	5%	96%	90%

4. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARBER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, THEY SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6" OVERLAP, AND SECURELY FASTENED AT BOTH ENDS TO POSTS.
5. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 3 INCHES).
6. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UP-SLOPE FROM THE BARBER. THIS TRENCH SHALL BE BACKFILLED WITH WASHED GRAVEL.
7. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UP-SLOPE SIDE OF THE TRENCH USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, THE WIRES OR HOOKS, THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 2 INCHES ABOVE THE TRENCH.
8. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE TRENCH AND MUST BE SECURELY FASTENED TO THE FENCE.
9. WHEN EXTRA-STRENGTH FIBER FABRIC AND CLOSER POST SPACING IS USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH CASE, THE FILTER FABRIC IS STAPLED OR DIRECTLY TO THE POSTS WITH ALL OTHER PROVISION OF AGENCIES NOTES APPLYING.
10. FILTER FABRIC SHALL NOT BE REMOVED BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
11. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL, ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
12. SILT FENCES WILL BE INSTALLED PARALLEL TO ANY SLOPE CONTOURS.
13. CONTRIBUTING LENGTH TO FENCE WILL NOT BE GREATER THAN 100 FEET.
14. DO NOT INSTALL BELOW AN OUTLET PIPE OR WEIR.
15. INSTALL DOWN-SLOPES OF EXPOSED AREAS.
16. DO NOT DRIVE OVER OR FILL OVER SILT FENCES.
17. PLACE 1" OF 3/4" - 1 1/2" WASHED ROCK OR PEA-GRANULS ON BOTH SIDES OF FENCE TO CREATE A BEVEL.
18. FABRIC SHALL COVER BOTTOM OF 4" MINIMUM AND EXTEND BEYOND THE LIMITS OF THE GRAVEL IN ORDER TO MAINTAIN AN OVERLAP OF 2" TRENCH AS SHOWN IN TYPICAL CROSS-SECTION.

1. STOCKPILES SHALL BE STABILIZED (WITH PLASTIC COVERING OR OTHER APPROVED DEVICE) DAILY BETWEEN NOVEMBER 1 AND MARCH 31.
2. IN ANY SEASON, SEDIMENT LEACHING FROM STOCKPILES MUST BE PREVENTED.
3. STOCKPILES SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION OR WHEN THE SUBGRADE IS FROZEN OR WHEN CONDITIONS EXIST THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING, COMPACTION OR PROPOSED SOILING OR SEEDING.
4. PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE APPROVED PLAN.

1. PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS OF 6 MILS AND SHALL MEET THE REQUIREMENTS OF WISDOT STANDARD SPECIFICATIONS SECTION 9-14.5(3).
2. COVERING SHALL BE INSTALLED AND MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MINIMUM WEIGHT OF 10 LBS EACH. ALL DIRECTIONS, ALL SEAMS SHALL BE TAPED OR REINFORCED DOWN FULL WIDTH AND TIGHTENED AT SPACING OF AT LEAST 4 INCH OVER EACH 4 INCH SEAM.
3. CLEAR PLASTIC SHEETING SHALL BE INSTALLED IMMEDIATELY ON AREAS SEEDDED BETWEEN NOVEMBER 1 AND MARCH 31 AND REMAIN UNTIL VEGETATION IS FIRMLY ESTABLISHED.
4. WHEN THE COVERING IS USED ON UN-SLOPED SLOPES, IT SHALL BE KEPT IN PLACE UNTIL THE NEXT SEEDING PERIOD.
5. PLASTIC COVERING SHEETS SHALL BE BURIED TWO FEET AT THE TOP OF SLOPES IN ORDER TO PREVENT SURFACE WATER FLOW BEHIND SHEETS.
6. PROPER MAINTENANCE INCLUDES REGULAR CHECKS FOR RIPS AND DISLOOSED ENDS.

1. SEED AND MULCH SHALL BE APPLIED WITHIN FIVE DAYS OF DIKE CONSTRUCTION (SEE VEGETATION).
2. THE UPSLOPE SIDE OF THE DIKE SHALL PROVIDE POSITIVE DRAINAGE TO THE DIKE OUTLET.
3. NO EROSION SHALL OCCUR AT THE DIKE OUTLET. PROVIDE ENERGY DISSIPATION MEASURES AS NECESSARY.
4. SEDIMENT LADEN RUNOFF MUST BE RELEASED THROUGH A SEDIMENT TRAPPING FACILITY SUCH AS A POND, TRAP OR SILT FENCE AS APPROPRIATE TO DRAINAGE AREA SIZE.

1. WATTLIES SHALL BE IN ACCORDANCE WITH WISDOT STANDARD SPECIFICATION 9-14.5(2). INSTALL WATTLIES ALONG CONTAINS. INSTALLATION SHALL BE IN ACCORDANCE WITH WISDOT STANDARD SPECIFICATION 9-01.3(10).
2. SECURELY KNOT EACH END OF WATTLE, ABUT ADJACENT WATTLIES TIGHTLY, END TO END, WITHOUT OVERLAPPING THE ENDS.
3. PILOT HOLES MAY BE DRIVEN THROUGH THE WATTLIES AND IN THE SOIL WHEN CONDITIONS REQUIRE.
4. LIVE STAKES MAY BE USED FOR PERMANENT INSTALLATION AND SHALL BE IN ACCORDANCE WITH WISDOT STANDARD SPECIFICATION 9-14.5(6).
5. WATTLIES SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RAINFALL PROSECUTIONS RUNOFF, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.
6. PERFORM MAINTENANCE IN ACCORDANCE WITH WISDOT STANDARD SPECIFICATION 9-01.3(15).

1. MATERIAL SHALL BE 4-INCH TO 8-INCH QUARRY SPALLS AND MAY BE TOP-DRESSED WITH 1-INCH TO 3-INCH WASHED ROCK.
2. THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK. WIDTH SHALL BE THE FULL WIDTH OF THE VEHICLE INGRESS AND EGRESS AREA.
3. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.
4. IF THE PAD DOES NOT ADEQUATELY REMOVE THE MUD FROM THE VEHICLE WHEELS, THE WHEELS SHALL BE HOSED OFF BEFORE THE VEHICLE ENTERS A PAVED STREET. THE WASHING SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK AND WASH WATER SHALL DRAIN TO A SEDIMENT RETENTION FACILITY OR THROUGH A SILT FENCE.

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

THE CLEARING OF LAND, INCLUDING THE REMOVAL OF EXISTING VEGETATION OR OTHER GROUND COVER, MUST BE LIMITED TO ONLY AS MUCH LAND AREA AS CAN RECEIVE APPROPRIATE PROTECTIVE COVER OR BE OTHERWISE STABILIZED AFTER HAVING BEEN CLEARED OR OTHERWISE DISTURBED BY NO LATER THAN SEPTEMBER 30TH OF A GIVEN YEAR. UNLESS IMMEDIATE STABILIZATION IS SPECIFIED IN THE EROSION AND SEDIMENTATION CONTROL PLAN, ALL AREAS CLEARED OR OTHERWISE DISTURBED MUST BE APPROPRIATELY STABILIZED THROUGH THE USE OF MULCHING, NETTING, PLASTIC SHEETING, EROSION BLANKETS, FREE DRAINING MATERIALS, ETC., BY SEPTEMBER 30TH.

UNLESS OTHERWISE APPROVED BY THE COUNTY, SEEDING, FERTILIZING AND MULCHING OR CLEARED OR OTHERWISE DISTURBED AREAS SHALL BE PERFORMED DURING THE FOLLOWING PERIODS: MARCH 1ST THROUGH MAY 15TH AND AUGUST 15TH THROUGH OCTOBER 1ST. SEEDING AFTER OCTOBER 1ST WILL BE DONE WHEN PHYSICAL COMPLETION OF THE PROJECT IS IMMINENT AND THE ENVIRONMENTAL CONDITIONS ARE CONDUCTIVE TO SATISFACTORY GROWTH. IN THE EVENT THAT PROJECT STABILIZATION IS NOT POSSIBLE, AN ALTERNATIVE METHOD OF GROUND COVER (SUCH AS MULCHING, NETTING, PLASTIC SHEETING, EROSION BLANKETS, ETC....) MUST BE INSTALLED BY NO LATER THAN SEPTEMBER 30TH

IN THE EVENT THAT CONSTRUCTION ACTIVITIES OR OTHER SITE DEVELOPMENT ACTIVITIES ARE DISCONTINUED FOR FOUR CONSECUTIVE DAYS OR MORE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION OF ALL EROSION AND SEDIMENTATION CONTROL FACILITIES IMMEDIATELY AFTER STORM EVENTS AND AT LEAST ONCE EVERY WEEK. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE MAINTENANCE AND REPAIR OF ALL EROSION AND SEDIMENTATION CONTROL FACILITIES.

THE CONTRACTOR SHALL PROVIDE MATERIALS ONSITE READILY AVAILABLE TO IMMEDIATELY STABILIZE DENUDED AREAS DURING PERIODS OF INCLEMENT WEATHER WHICH RESULT IN EROSION AND SEDIMENT TRANSPORT OFFSITE.

ON SITES WHERE UNINTERRUPTED CONSTRUCTION ACTIVITY IS IN PROGRESS, THE CLEARING OF LAND, INCLUDING THE REMOVAL OF EXISTING VEGETATION OR OTHER GROUND COVER, SHALL BE LIMITED TO ONLY AS MUCH LAND AREA AS CAN BE COVERED OR STABILIZED WITHIN 24 HOURS IN THE EVENT A MAJOR STORM IS PREDICTED AND/OR EROSION/SEDIMENT TRANSPORT OFFSITE IS OBSERVED.

ADDITIONALLY, ALL WELDED DISTURBED AREAS WILL RECEIVE APPROPRIATE PROTECTIVE COVER OR BE OTHERWISE STABILIZED (SUCH AS MULCHED, NETTING, PLASTIC SHEETING, EROSION BLANKETS, FINE DRAMING MATERIAL, ETC.) WITHIN FIVE DAYS AFTER HAVING BEEN CLEARED OR OTHERWISE DISTURBED IF NOT BEING ACTIVELY WORKED IN. FILTER FABRIC FENCING, SEDIMENT TRAPS, SEDIMENT POND, ETC., WILL NOT BE VIEWED AS ADEQUATE COVER IN AND OF THEMSELVES. IN THE EVENT THAT ANY LAND AREA NOT BEING ACTIVELY WORKED REMAINS UNPROTECTED OR HAS NOT BEEN STABILIZED OR OTHERWISE PROTECTED WITHIN THE SPECIFIED TIME PERIOD, ALL CONSTRUCTION ACTIVITY ON THE SITE, EXCEPT FOR APPROVED EROSION AND SEDIMENTATION CONTROL ACTIVITY, SHALL IMMEDIATELY CEASE UNTIL SUCH A TIME AS SAID LAND HAS BEEN APPROPRIATELY PROTECTED OR STABILIZED.

THE CONTRACTOR SHALL AT ALL TIMES HAVE AVAILABLE FOR THE PROJECT SUFFICIENT QUANTITIES OF PROTECTIVE COVERING MATERIALS TO IMMEDIATELY STABILIZE ALL DISTURBED AREAS IN CASE THE PROJECT ENGINEER OR COUNTY DIRECTS THEM TO COVER DUE TO OBSERVED MIGRATION OF SOILS OR INCIDENT WEATHER.

THE FOLLOWING SHALL BE ADHERED TO ON ALL CONSTRUCTION SITES WITH ERODIBLE SOILS AND/OR A GRADIENT OF GREATER THAN TWO PERCENT FOR LIMITING EXPOSED SOILS TO ERODIBLE PROCESSES.

**REMOVED:** CAREFULLY REMOVE EXISTING ITEM AS INDICATED AND LEGALLY DISPOSE OF SAME OFFSITE.

**REUSE/RELOCATE:** CAREFULLY REMOVE EXISTING ITEM, INTACT, AS INDICATED, TEMPORARILY STORE (IF NECESSARY) AND PROTECT (FOR REINSTALLATION, AS INDICATED).

**SALVAGE:** CAREFULLY REMOVE EXISTING ITEM, INTACT, AS INDICATED, AND DELIVER TO OWNER/OTHER, INTACT, AS INSTRUCTED.

**PROTECT:** LEAVE EXISTING ITEM IN PLACE, INTACT, AS INDICATED, AND PROTECT FROM DAMAGE. THIS IS PART OF EXISTING-TO-REMAIN AND IS SPECIFICALLY NOTED ONLY FOR CLARIFICATION PURPOSES.

**NOTE:** THE CONTRACTOR SHALL VISIT THE SITE TO PERFORM A THOROUGH WALK THROUGH TO EXAMINE ALL ITEMS TO BE "REMOVED," "REUSE/RELOCATED," "SALVAGED" OR "SAVED," ALL ITEMS SHALL BE IDENTIFIED IN THE CONTRACTORS SCOPE OF WORK AND BID.

NOTE: THE CONTRACTOR SHALL VISIT THE SITE TO PERFORM A THOROUGH WALK THROUGH TO EXAMINE ALL ITEMS TO BE "DEMOLISHED," "REUSE/RELOCATED," "SALVAGED" OR "SAVED". ALL ITEMS SHALL BE INCLUDED IN THE CONTRACTORS SCOPE OF WORK AND BID.

ADDRESS	ADDRESSED CITY COMMENTS	12-08-2025
	ISSUED FOR PERMIT	10-24-2025

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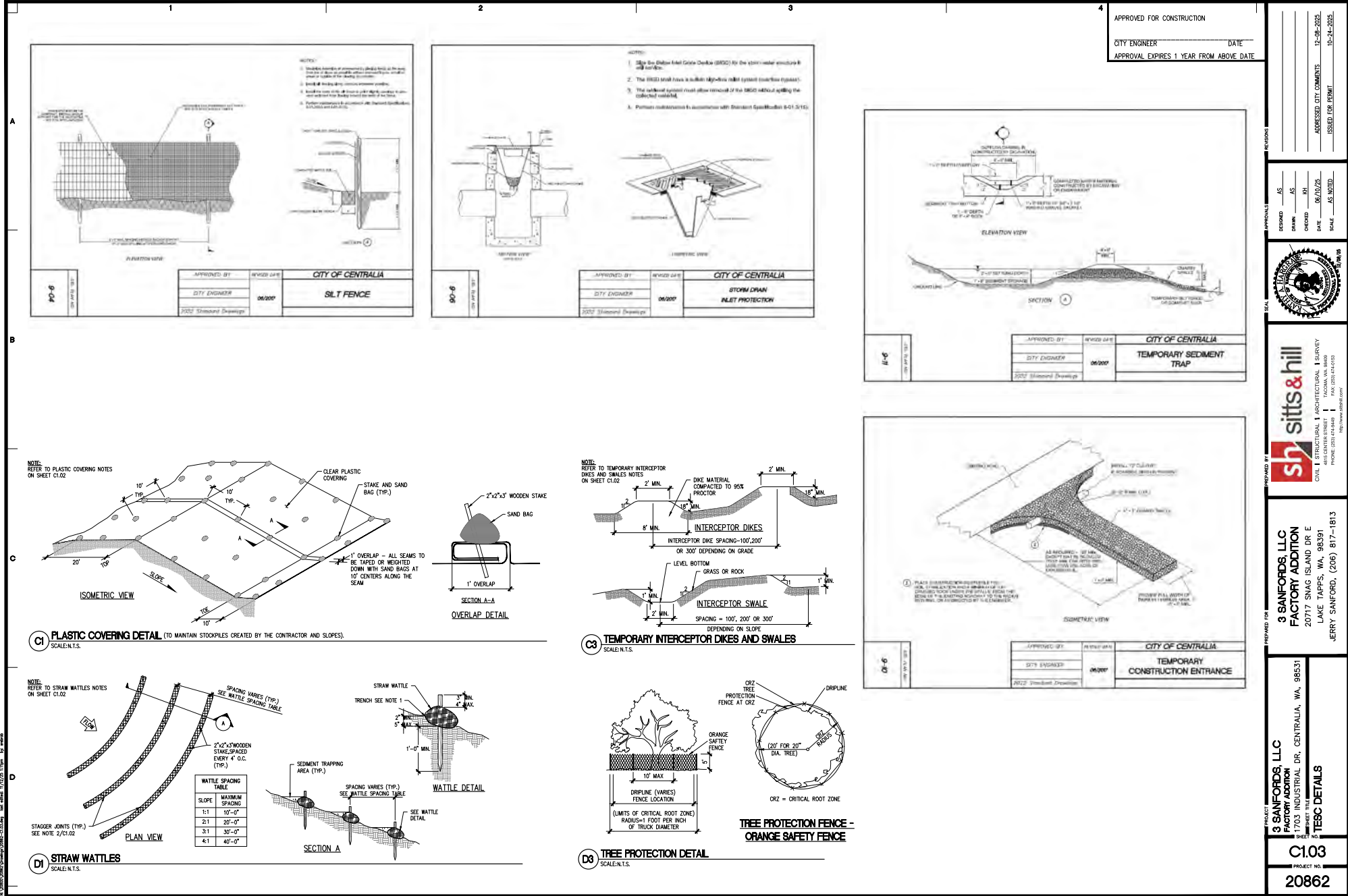
**sh** **sitts & hill**  
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4815 CENTER STREET | TACOMA, WA 98409  
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**3 SANFORDS, LLC**  
**FACTORY ADDITION**  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA, 98391  
JERRY SANFORD, (206) 817-1

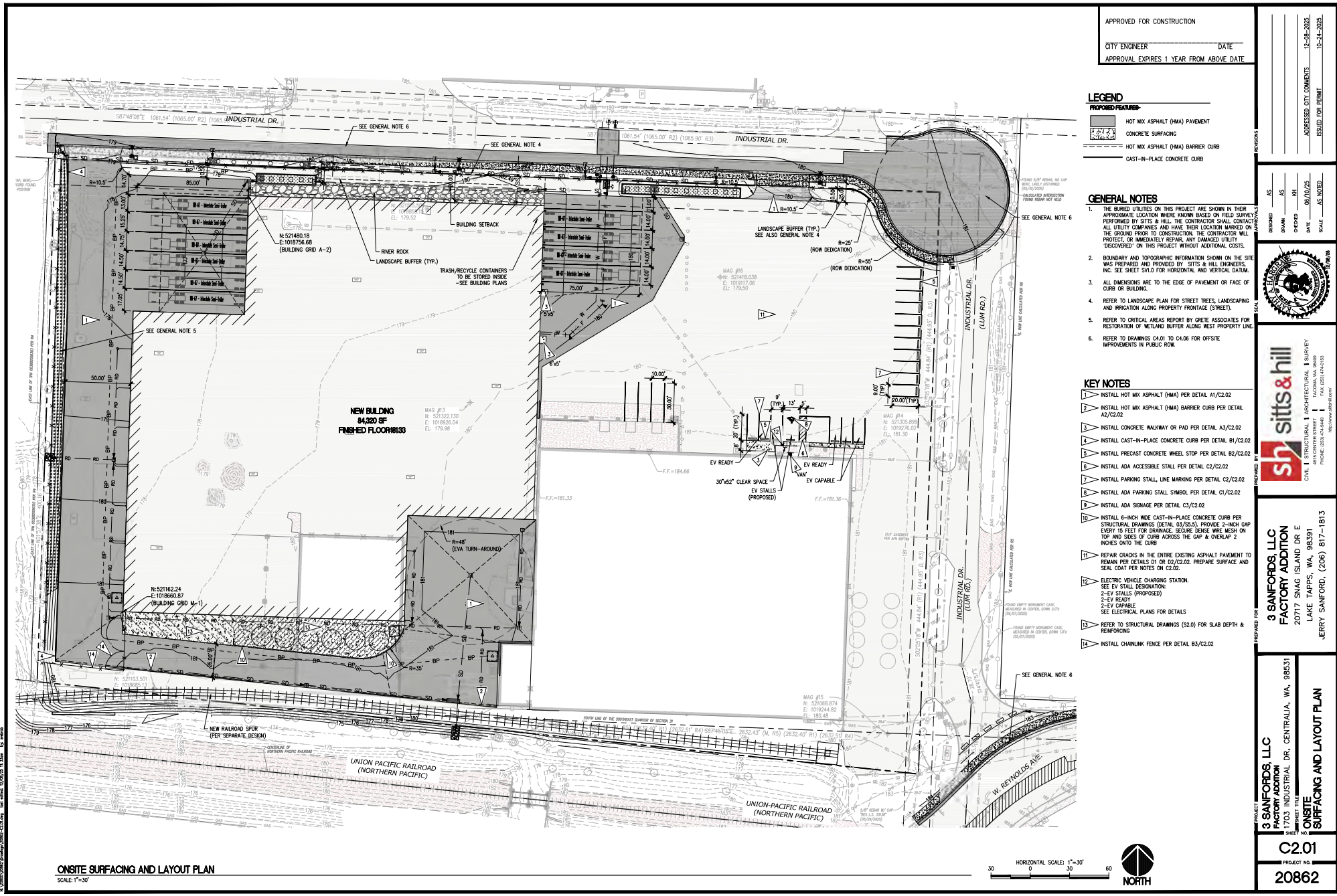
**3 SAN-CHU, LLC**  
FACTORY ADDITION  
1703 INDUSTRIAL DR, CENTRALIA, WA, 98531  
SHEET TITLE  
**DEMOLITION AND TESC NOTES**

C1.02  
PROJECT NO. 20862









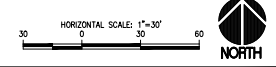
APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

- LEGEND**
- PROPOSED FEATURES**
- HOT MIX ASPHALT (HMA) PAVEMENT
  - CONCRETE SURFACING
  - HOT MIX ASPHALT (HMA) BARRIER CURB
  - CAST-IN-PLACE CONCRETE CURB

- GENERAL NOTES**
- THE BURIED UTILITIES ON THIS PROJECT ARE SHOWN IN THEIR APPROXIMATE LOCATION WHERE KNOWN BASED ON FIELD SURVEY PERFORMED BY SITS & HILL. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE THEIR LOCATION MARKED ON THE GROUND PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PROTECT, OR IMMEDIATELY REPAIR, ANY DAMAGED UTILITY DISCOVERED ON THIS PROJECT WITHOUT ADDITIONAL COSTS.
  - BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITS & HILL ENGINEERS, INC. SEE SHEET SV1.0 FOR HORIZONTAL AND VERTICAL DATUM.
  - ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT OR FACE OF CURB OR BUILDING.
  - REFER TO LANDSCAPE PLAN FOR STREET TREES, LANDSCAPING AND IRRIGATION ALONG PROPERTY FRONTAGE (STREET).
  - REFER TO CRITICAL AREAS REPORT BY GRETE ASSOCIATES FOR RESTORATION OF WETLAND BUFFER ALONG WEST PROPERTY LINE.
  - REFER TO DRAWINGS C4.01 TO C4.06 FOR OFFSITE IMPROVEMENTS IN PUBLIC ROW.

- KEY NOTES**
- INSTALL HOT MIX ASPHALT (HMA) PER DETAIL A1/C2.02
  - INSTALL HOT MIX ASPHALT (HMA) BARRIER CURB PER DETAIL A2/C2.02
  - INSTALL CONCRETE WALKWAY OR PAD PER DETAIL A3/C2.02
  - INSTALL CAST-IN-PLACE CONCRETE CURB PER DETAIL B1/C2.02
  - INSTALL PRECAST CONCRETE WHEEL STOP PER DETAIL B2/C2.02
  - INSTALL ADA ACCESSIBLE STALL PER DETAIL C2/C2.02
  - INSTALL PARKING STALL, LINE MARKING PER DETAIL C2/C2.02
  - INSTALL ADA PARKING STALL SYMBOL PER DETAIL C1/C2.02
  - INSTALL ADA SIGNAGE PER DETAIL C3/C2.02
  - INSTALL 6-INCH WIDE CAST-IN-PLACE CONCRETE CURB PER STRUCTURAL DRAWINGS (DETAIL C3/55.5). PROVIDE 2-INCH GAP EVERY 16 FEET FOR DRAINAGE. SECURE STONE WIRE MESH ON TOP AND SIDES OF CURB ACROSS THE GAP & OVERLAP 2 INCHES ONTO THE CURB.
  - REPAIR CRACKS IN THE ENTIRE EXISTING ASPHALT PAVEMENT TO REMAIN PER DETAILS D1 OR D2/C2.02. PREPARE SURFACE AND SEAL COAT PER NOTES ON C2.02.
  - ELECTRIC VEHICLE CHARGING STATION.  
SEE EV STALL DESIGNATION.  
2-EV STALLS (PROPOSED)  
2-EV READY  
2-EV CAPABLE  
SEE ELECTRICAL PLANS FOR DETAILS
  - REFER TO STRUCTURAL DRAWINGS (S2.0) FOR SLAB DEPTH & REINFORCING
  - INSTALL CHAINLINK FENCE PER DETAIL B3/C2.02

ONSITE SURFACING AND LAYOUT PLAN  
SCALE: 1"=30'



DESIGNED BY: AS  
DRAWN BY: RH  
CHECKED BY: JH  
DATE: 06/10/23  
SCALE: AS NOTED

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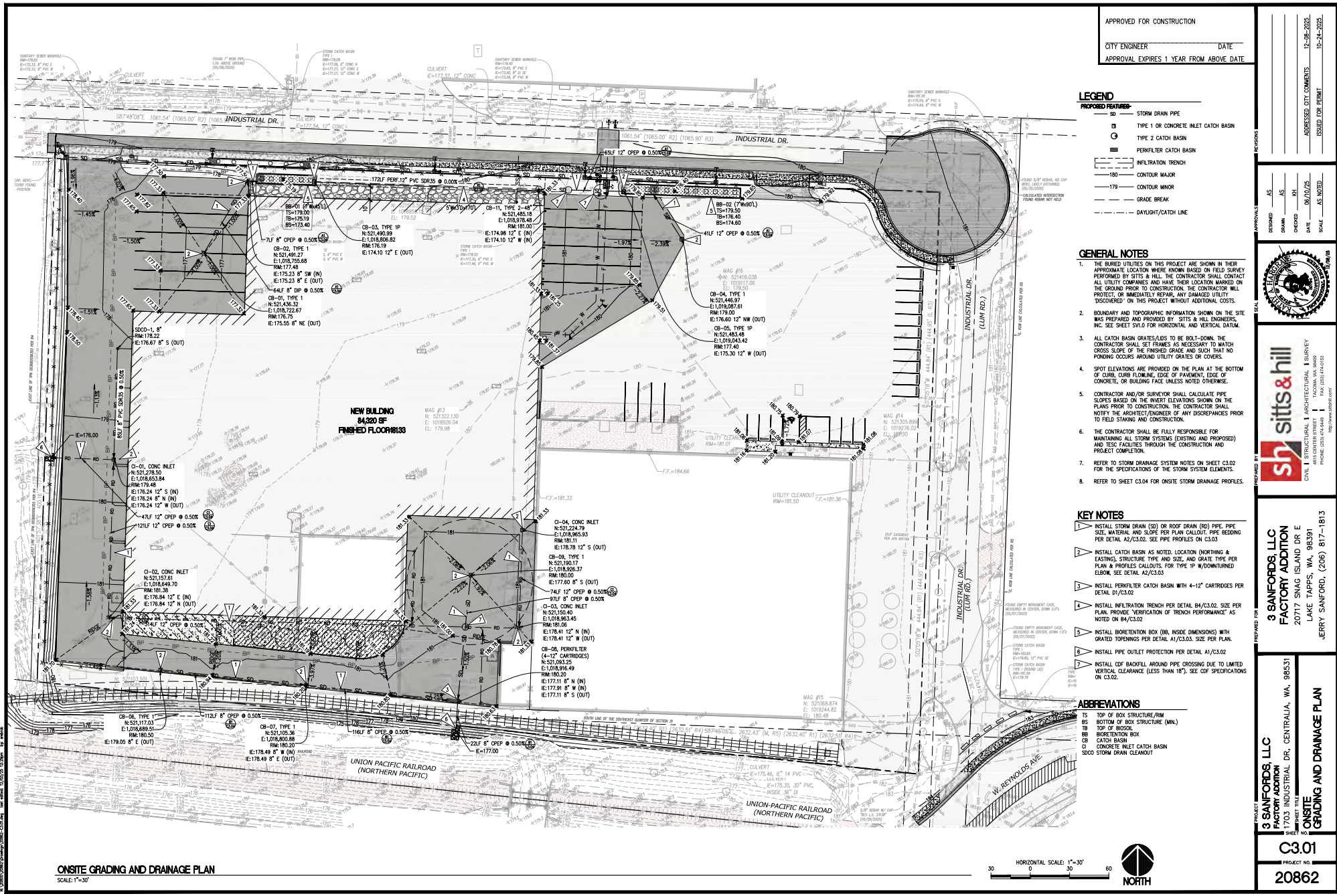
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JERRY SANFORD, (206) 817-1813

**3 SANFORDS, LLC**  
FACTORY ADDITION  
1703 INDUSTRIAL DR, CENTRALIA, WA 98531  
PROJECT NO.:  
**C2.01**  
**20862**









APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

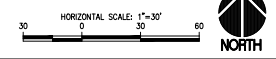
- LEGEND**  
**PROPOSED FEATURES:**
- SD STORM DRAIN PIPE
  - CB TYPE 1 OR CONCRETE INLET CATCH BASIN
  - IT TYPE 2 CATCH BASIN
  - PERIFILTER CATCH BASIN
  - INFILTRATION TRENCH
  - CONTOUR MAJOR
  - CONTOUR MINOR
  - GRADE BREAK
  - DAYLIGHT/CATCH LINE

- GENERAL NOTES**
- THE BURIED UTILITIES ON THIS PROJECT ARE SHOWN IN THEIR APPROXIMATE LOCATION WHERE KNOWN FROM FIELD SURVEY PERFORMED BY SITS & HILL. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE THEIR LOCATION MARKED ON THE GROUND PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PROTECT, OR IMMEDIATELY REPAIR, ANY DAMAGED UTILITY "DISCOVERED" ON THIS PROJECT WITHOUT ADDITIONAL COSTS.
  - BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITS & HILL ENGINEERS. SEE SHEET SV1.0 FOR HORIZONTAL AND VERTICAL DATUM.
  - ALL CATCH BASIN GRATES/LIDS TO BE BOLT-DOWN. THE CONTRACTOR SHALL SET FRAMES AS NECESSARY TO MATCH CROSS SLOPE OF THE FINISHED GRADE AND SUCH THAT NO PONDING OCCURS AROUND UTILITY GRATES OR COVERS.
  - SPOT ELEVATIONS ARE PROVIDED ON THE PLAN AT THE BOTTOM OF CURB, CURB FLOWING, EDGE OF PAVEMENT, EDGE OF CONCRETE, OR BUILDING FACE UNLESS NOTED OTHERWISE.
  - CONTRACTOR AND/OR SURVEYOR SHALL CALCULATE PIPE SLOPES BASED ON THE INVERT ELEVATIONS SHOWN ON THE PLANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FIELD STAKING AND CONSTRUCTION.
  - THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAINTAINING ALL STORM SYSTEMS (EXISTING AND PROPOSED) AND TEST FACILITIES THROUGH RE CONSTRUCTION AND PROJECT COMPLETION.
  - REFER TO STORM DRAINAGE SYSTEM NOTES ON SHEET C3.02 FOR THE SPECIFICATIONS OF THE STORM SYSTEM ELEMENTS.
  - REFER TO SHEET C3.04 FOR ONSITE STORM DRAINAGE PROFILES.

- KEY NOTES**
- INSTALL STORM DRAIN (SD) OR ROOF DRAIN (RD) PIPE, PIPE SIZE, MATERIAL AND SLOPE PER PLAN CALLOUT. PIPE BEDDING PER DETAIL A2/C3.02. SEE PIPE PROFILES ON C3.03.
  - INSTALL CATCH BASIN AS NOTED. LOCATION (NORTHING & EASTING), STRUCTURE TYPE AND SIZE, AND GRATE TYPE PER PLAN & PROFILES CALLOUTS. FOR TYPE 1P W/ DOWNTURNED ELBOW, SEE DETAIL A2/C3.03.
  - INSTALL PERIFILTER CATCH BASIN WITH 4-12" CARTRIDGES PER DETAIL D1/C3.02.
  - INSTALL INFILTRATION TRENCH PER DETAIL B4/C3.02. SIZE PER PLAN. PROVIDE "VERIFICATION OF TRENCH PERFORMANCE" AS NOTED ON B4/C3.02.
  - INSTALL BORETENTION BOX (BB, INSIDE DIMENSIONS) WITH GRATED OPENINGS PER DETAIL A1/C3.03. SIZE PER PLAN.
  - INSTALL PIPE OUTLET PROTECTION PER DETAIL A1/C3.02.
  - INSTALL GDF BACKFILL AROUND PIPE CROSSING DUE TO LIMITED VERTICAL CLEARANCE (LESS THAN 10'), SEE GDF SPECIFICATIONS ON C3.02.

- ABBREVIATIONS**
- TS TOP OF BOX STRUCTURE/RIM
  - BS BOTTOM OF BOX STRUCTURE (MNL)
  - TS TOP OF BROSS
  - BB BORETENTION BOX
  - CB CATCH BASIN
  - CI CONCRETE INLET CATCH BASIN
  - SDCO STORM DRAIN CLEANOUT

**ONSITE GRADING AND DRAINAGE PLAN**  
SCALE: 1"=30'



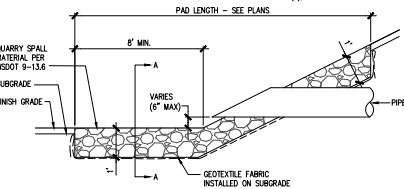
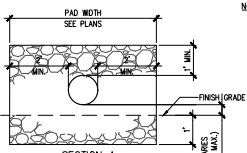
DESIGNED BY: AS  
DRAWN BY: AS  
CHECKED BY: RH  
DATE: 06/10/23  
SCALE: AS NOTED

CIVIL | STRUCTURAL | ARCHITECTURAL | SURVEY  
4610 CENTER STREET  
TACOMA, WA 98409  
PH: 253.833.1111  
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3 SANFORDS, LLC  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

PROJECT TELL: C3.01  
PROJECT NO: 20862

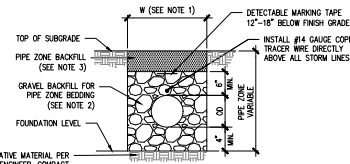




**PIPE OUTLET PROTECTION SECTION**  
SCALE: N.T.S.

#### NOTES:

1. QUARRY SPALLS SHALL CONFORM TO WSDOT STANDARD SPECIFICATIONS 9-13.1(5) AND SHALL BE A REASONABLE WELL GRADED ASSORTMENT OF ROCK WITH THE FOLLOWING GRADATION:  
8" SIEVE SIZE - 100% PASSING  
3" SIEVE SIZE - 40% PASSING (MAX)  
3/4" SIEVE SIZE - 10% PASSING (MAX)
2. QUARRY SPALLS SHALL EXTEND 1 FOOT ABOVE CROWN OF PIPE.
3. SOIL STABILIZATION GEOTEXTILE FABRIC SHALL CONFORM TO WSDOT STANDARD SPECIFICATIONS 9-33.2(1), TABLE 3

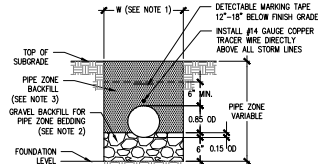


**THERMOPLASTIC PIPE (CPPE/CPP AND PVC)**

#### NOTES:

1. TRENCH WIDTH SHALL BE AS SPECIFIED IN SECTION 2-08.4 OF THE STANDARD SPECIFICATIONS.
2. GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 9-03.12 (3). FOR DUCTILE IRON AND THERMOPLASTIC/CPPE PIPE AND PEA GRAVEL FOR NON-PERFORATED TIGHTLINED FOOTING DRAIN OUTLET PIPING AND ROOF DRAINS.
3. PIPE ZONE BACKFILL SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 9-03.14(1).

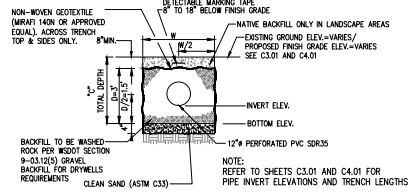
**PIPE ZONE BEDDING AND BACKFILL**  
SCALE: N.T.S.



**DUCTILE IRON PIPE**

#### APPROVED FOR CONSTRUCTION

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE



- VERIFICATION OF TRENCH PERFORMANCE:**
1. EXPOSE SUBGRADE OF THE PROPOSED INFILTRATION TRENCH.
  2. NOTIFY PROJECT'S GEOTECHNICAL ENGINEER (WQZ) GROUP AT 253.537.9400, PROJECT ENGINEER (SITS & HILL ENGINEERS AT 253.474.9449) AND CITY INSPECTOR PRIOR TO INFILTRATION TESTING AT LEAST TWO WORKING DAYS IN ADVANCE.
  3. THE GEOTECHNICAL ENGINEER SHALL PERFORM A MINIMUM OF TWO MODIFIED FALLING-HEAD PERCOLATION TESTS TO DETERMINE IF THE FACILITY WILL PERFORM AS DESIGNED. THE GEOTECHNICAL ENGINEER SHALL PROVIDE A FIELD REPORT OF THE TESTING RESULTS TO THE CIVIL ENGINEER FOR THEIR RECORDS.

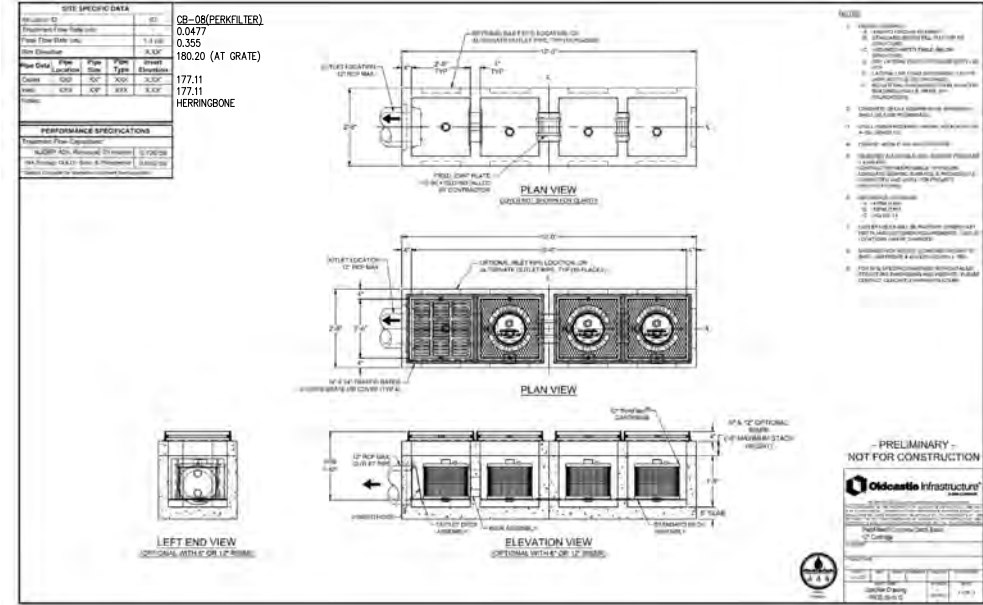
**STORMWATER INFILTRATION TRENCH SECTION**  
SCALE: N.T.S.

#### ONSITE STORM DRAINAGE SYSTEM NOTES

1. ROOF DRAIN (RD) PIPES SHALL BE POLYVINYL CHLORIDE (PVC), SDR35 PER ASTM D3034 AND COMPLY WITH WSDOT STANDARD SPECIFICATIONS 9-05.1(1).
2. STORM DRAINAGE (SD) PIPES SHALL BE:  
- DUCTILE IRON PIPE (DIP) CONFORMING TO THE REQUIREMENTS OF ANSI/AWWA A21.5/C151,  
- THICKNESS CLASS 50 PER WSDOT STANDARD SPECIFICATIONS 9-05.12,  
- CORRUGATED POLYETHYLENE PIPE (PEPP) TYPE 5 (SMOOTH INNER WALL) PER WSDOT 9-05.1(6) OR 9-05.1(7) REQUIREMENTS,  
- POLYPROPYLENE PIPE (PP) PER WSDOT 9-05.24.
3. CATCH BASIN TYPE 1P SHALL CONFORM TO WSDOT STANDARD PLAN B-5.20 WITH RECTANGULAR FRAME PER B-30.10, VANED GRATE PER B-30.30, OR RECTANGULAR SOLID METAL COVER PER B-30.20. ALL COVERS SHALL BE BOLTED DOWN.
4. CATCH BASIN TYPE 1P SHALL CONFORM TO WSDOT STANDARD PLAN B-5.60 WITH RECTANGULAR FRAME PER B-30.10 AND REINFORCED GRATE, PRODUCT NO. 6075079, AS MANUFACTURED BY EAST JORDAN IRON WORKS OR APPROVED EQUAL. ALL COVERS SHALL BE BOLTED DOWN. SEE DETAIL A2/C3.03 FOR DOWNTURNED ELBOW.
5. CONCRETE INLET CATCH BASIN SHALL CONFORM TO WSDOT STANDARD PLAN B-25.60 WITH RECTANGULAR FRAME PER B-30.10, VANED GRATE PER B-30.30 OR B-DIRECTIONAL VANED GRATE PER B-30.40. ALL COVERS SHALL BE BOLTED DOWN.
6. CATCH BASIN TYPE 2 SHALL CONFORM TO WSDOT STANDARD PLAN B-10.20 WITH CIRCULAR AND WATERTIGHT BOLT-DOWN SOLID LIDS PER B-30.70. LIDS FOR STORM STRUCTURES SHALL HAVE STORM LETTERING.
7. WATER QUALITY PERKFILTER SHALL BE AS MANUFACTURED BY OLDCASTLE INFRASTRUCTURE. SIZE AND COVER PER PLAN AND DETAILS.
8. BIORETENTION BOX SHALL BE CONCRETE BOX (STORMCAPTURE MODULES BY OLDCASTLE INFRASTRUCTURE OR APPROVED EQUAL) WITH PEDESTRIAN TRAFFIC RATED GRATES (5'x7' OPENINGS).
9. PROVIDE 1" MINIMUM VERTICAL AND 5" MINIMUM HORIZONTAL CLEARANCE (OUTSIDE SURFACES) BETWEEN STORM DRAIN PIPES AND OTHER UTILITY PIPES AND CONDUITS, UNLESS OTHERWISE NOTED.
10. STORM SYSTEM CLEANING: CLEAN INTERIOR OF STORM DRAIN SYSTEM PIPING OF DIRT AND SUPERFLUOUS MATERIALS. THOROUGHLY CLEAN ALL STORM DRAIN LINES AND PROVIDE POWER VACUUM CLEANING OF ALL STORM STRUCTURES AND PIPING PRIOR TO COMPLETION OF ALL STORM DRAINAGE SYSTEM RELATED "PUNCH LIST" ITEMS. PROVIDE DOCUMENTATION OF PROFESSIONAL CLEANING SERVICE USED. PROVIDE 24 HOURS NOTICE TO ENGINEER PRIOR TO HAVING STORM SYSTEM CLEANED.
11. CONTRACTOR TO PROVIDE RECORD DRAWINGS VERIFYING RIMS, INVERTS AND LOCATIONS OF ALL STORM STRUCTURES (CATCH BASIN, PERKFILTER) AND PIPING INSTALLED WITH THIS PROJECT.

#### SOL AMENDMENT NOTES

1. ALL SOIL AREAS DISTURBED OR COMPACTED DURING CONSTRUCTION, AND NOT COVERED BY BUILDINGS OR PAVEMENT, SHALL BE AMENDED WITH COMPOST AS DESCRIBED BELOW.
2. SUBSOIL SHOULD BE SCARIFIED (LOOSENE) 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 REGARDING PLANTING STEPS FOR STREET TREES.
3. COMPOST SHALL BE TILLED IN TO 8 INCH DEPTH INTO EXISTING SOIL, OR PLACE 8 INCHES OF COMPOST-AMENDED SOIL PER SOIL SPECIFICATION.
4. PLANTING BEDS SHALL RECEIVE 3 INCHES OF COMPOST TILLED IN TO 8 INCH DEPTH.
5. SETBACKS TO PREVENT UNEVEN SETTLING, DO NOT COMPOST-AMEND SOILS WITHIN 3 FEET OF UTILITY INFRASTRUCTURES (POLES, VAULTS, METERS ETC.), WITHIN ONE FOOT OF PAVEMENT EDGES, CURBS AND SIDEWALKS. SOIL SHOULD BE COMPACTED TO APPROXIMATELY 95% PROCTOR TO ENSURE A FIRM SURFACE.
6. WHERE EXISTING SOIL CONDITIONS DO NOT ALLOW FOR AMENDMENT (SUCH AS SOLID ROCK OR VERY ROCKY) INSTALL 8" MIN. DEPTH IMPORT TOPSOIL.



**CB-08 PERKFILTER CATCH BASIN (4-12" CARTRIDGES)**  
SCALE: N.T.S.

#### CONTROLLED DENSITY FILL (CDF) NOTES

1. PROVIDE CDF WITH THE FOLLOWING PROPERTIES:  
- NONSEGREGATING  
- SELF-CONSOLIDATING  
- FREE FLOWING  
- EXCAVATABLE AFTER CURING  
- PROVIDE CLASS A OR B AS SHOWN ON DRAWINGS.
  2. PROPORTIONING: PER EACH, THE TABLE BELOW PROVIDES A GUIDELINE FOR CONTROLLED DENSITY FILL MIXES. THE WEIGHTS AND MEASURES SHOWN ARE ONLY AN ESTIMATE OF THE AMOUNT TO BE USED PER CUBIC YARD OF CDF. ACTUAL AMOUNTS MAY VARY FROM THOSE SHOWN AS APPROVED BY THE CONSTRUCTION MANAGERS.
- | CLASS OF CDF  | A           | B           |
|---|-------------|-------------|
| MAX. COMPRESSIVE STRENGTH, LBS. PER SQ. IN. (LBS. / SQ. FT.)          | 100 (14000) | 300 (42000) |
| MAX. GALLONS OF MIXING WATER PER CUBIC YARD                           | 50          | 50          |
| LBS. OF CEMENT PER CUBIC YARDS  | 30          | 50          |
| LBS. OF FLY ASH PER CUBIC YARDS                                       | 200         | 250         |
| LBS. OF DRY AGGREGATE PER CUBIC YARDS (ASSUMED SPECIFIC GRAVITY 2.67) | 200         | 250         |
3. MIXING AND DELIVERY: COMPLY WITH ASTM C 94 AGGREGATE SIZE:  
- CLASS A - 3/8" MAXIMUM  
- CLASS B - 3/4" MAXIMUM
  4. REFER TO WSDOT STANDARD SPECIFICATIONS SECTION 2-08.3(E) FOR MORE REQUIREMENTS.

DESIGNED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DATE: 06/10/24  
SCALE: AS NOTED



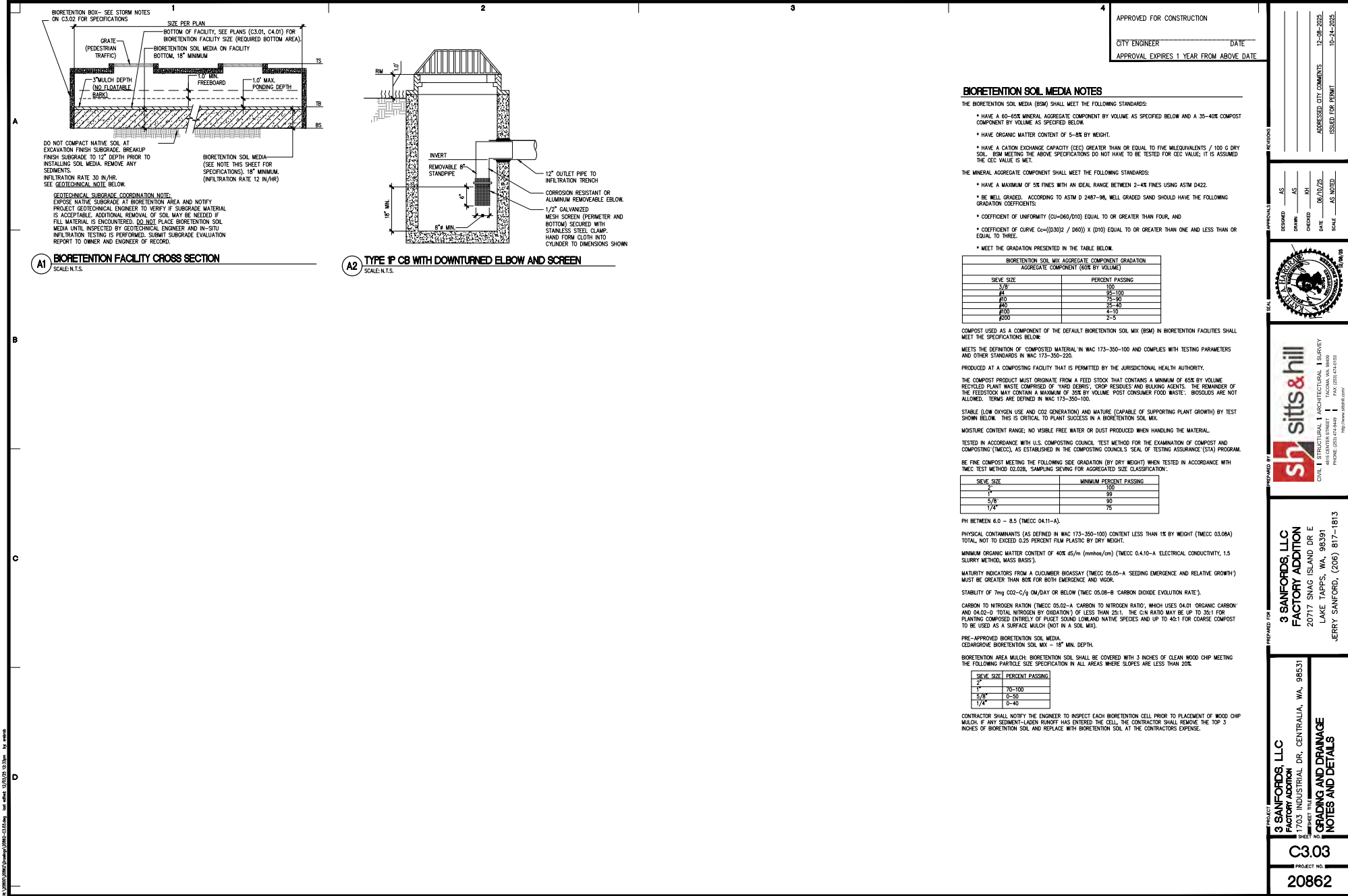
**sitts & hill**  
CIVIL & STRUCTURAL ARCHITECTURAL SURVEY  
4815 CENTER STREET  
TACOMA, WA 98409  
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**3 SANFORDS, LLC**  
FACTORY ADDITION  
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JERRY SANFORD, (206) 877-1813

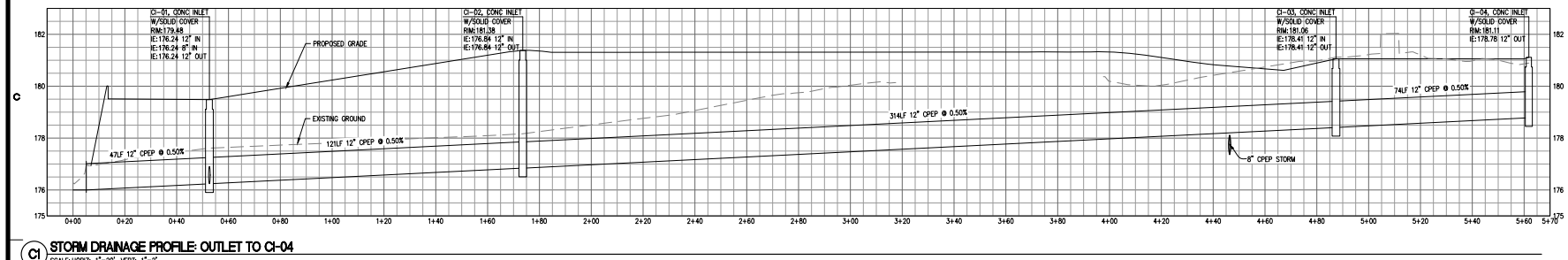
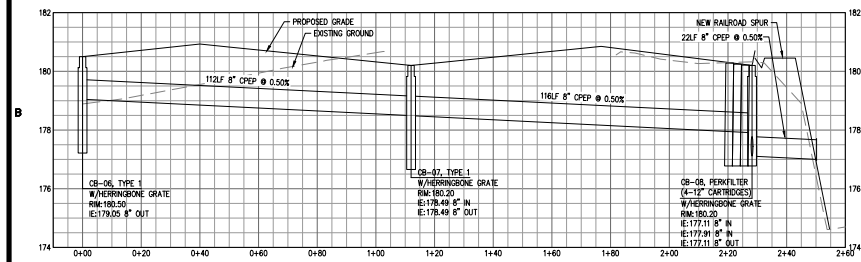
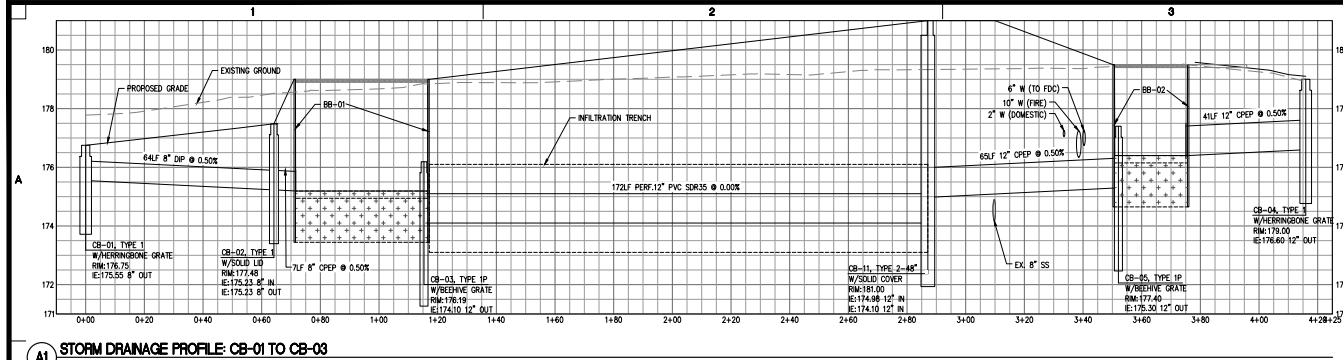
**3 SANFORDS, LLC**  
FACTORY ADDITION  
1703 INDUSTRIAL DR, CENTRALIA, WA, 98531  
PROJECT TELL  
ON-SITE GRADING AND DRAINAGE  
NOTES AND DETAILS

**C3.02**  
**20862**









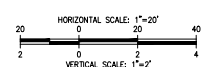
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CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

DESIGNED BY	AS	APPROVED BY	AS
DRAWN BY	AS	CHECKED BY	AS
DATE	06/10/20	ISSUED CITY COMMENTS	12-08-2020
SCALE	AS NOTED	ISSUED FOR PERMIT	10-24-2020

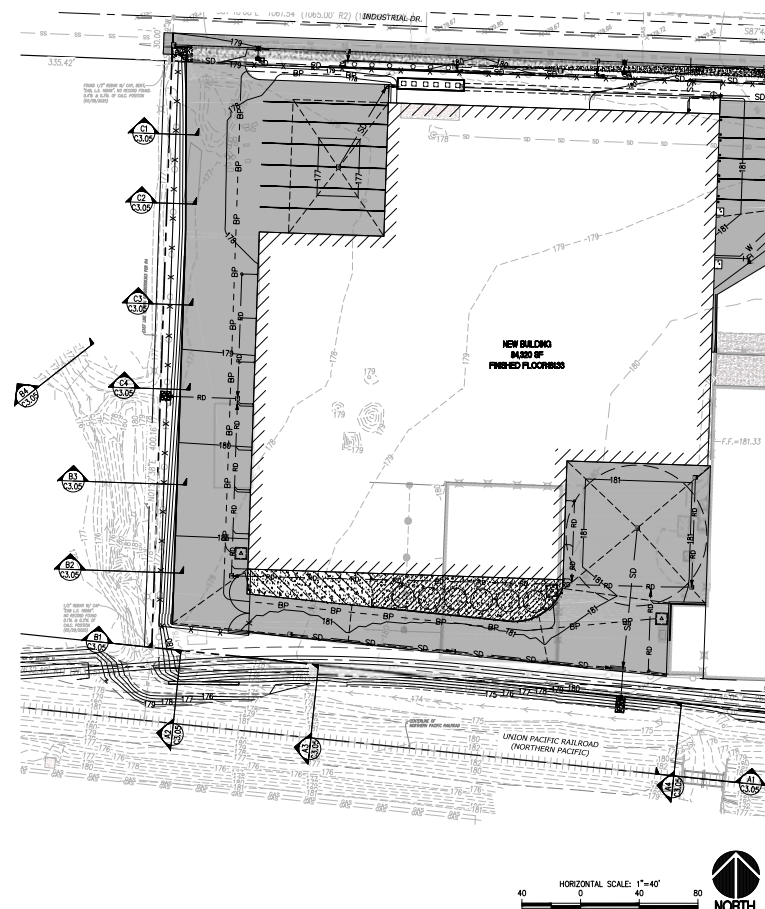
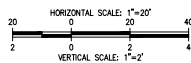
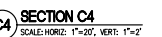
**sitts & hill**  
CIVIL | STRUCTURAL | ARCHITECTURAL | SURVEY  
4015 CENTER STREET  
PACOMA, WA 98040  
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WWW.SITTSANDHILL.COM

**3 SANFORDS, LLC**  
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20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

**PROJECT NO.**  
**C3.04**  
**20862**







APPROVED FOR CONSTRUCTION

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

REVISIONS

ADDRESSED CITY COMMENTS	12-08-2025
ISSUED FOR PERMIT	10-24-2025

APPROVALS	DESIGNED	AS
	DRAWN	AS
	CHECKED	KH
	DATE	10/29/25
	SCALE	AS NOTED



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4815 CENTER STREET | TACOMA, WA 98409  
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**FACTORY ADDITION**  
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JERRY SANFORD, (206) 817-1813

PROJECT: 3 SANFORDS, LLC  
 FACTORY ADDITION  
 1703 INDUSTRIAL DR, CENTRALIA, WA, 98531  
 SHEET TITLE: CROSS-SECTIONS

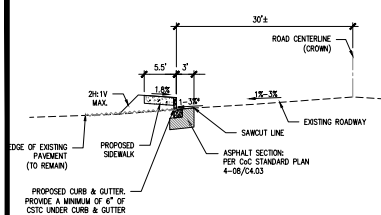
**C3.05**  
PROJECT NO.  
**20862**

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**C4.01**  
PROJECT NO.  
**20862**

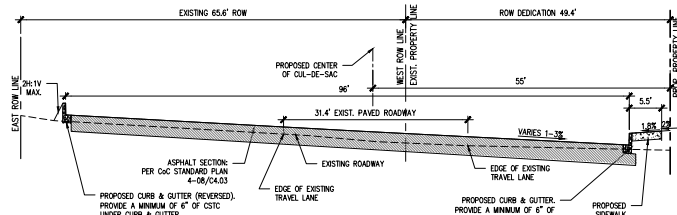




W REYNOLDS AVE CLOSURE (LOOKING EAST)

PROPOSED ROADWAY SECTION

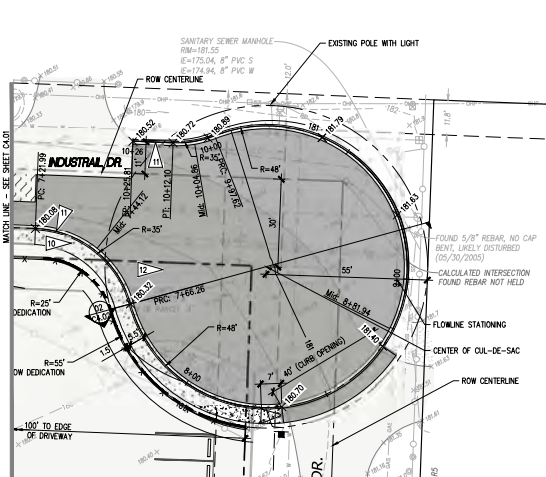
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INDUSTRIAL DRIVE CUL-DE-SAC (LOOKING SOUTH-EAST)

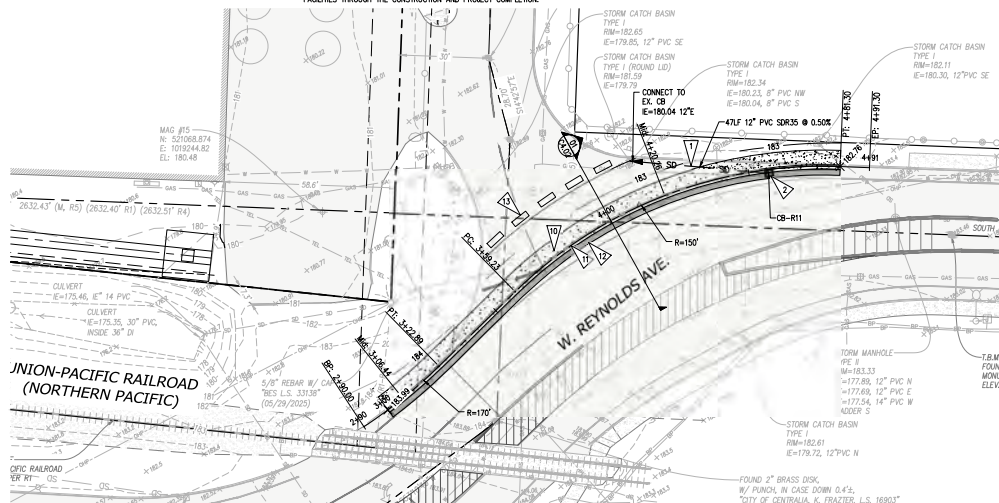
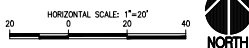
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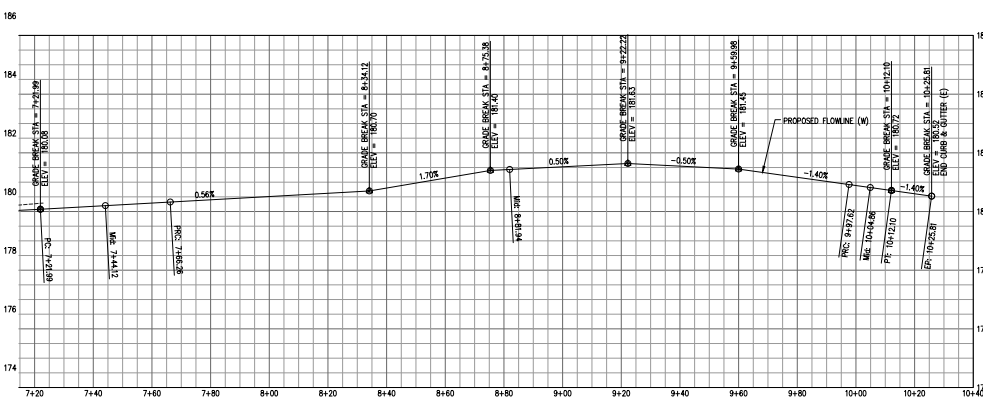
INDUSTRIAL DRIVE CUL-DE-SAC PLAN

SCALE: 1"=20'



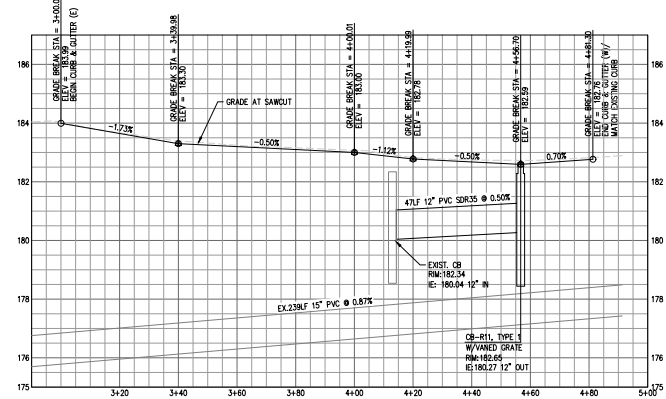
W REYNOLDS AVE PLAN

SCALE: 1"=20'



INDUSTRIAL DRIVE CUL-DE-SAC FLOWLINE PROFILE (W)

SCALE: HORIZ: 1"=20', VERT: 1"=2'



W REYNOLDS AVE FLOWLINE PROFILE (N)

SCALE: HORIZ: 1"=20', VERT: 1"=2'

# GENERAL NOTES

- THE BUREAU UTILITIES ON THIS PROJECT ARE SHOWN IN THEIR APPROXIMATE LOCATION WHERE KNOWN BASED ON FIELD SURVEY PERFORMED BY SITS & HILL. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE THEIR LOCATION MARKED ON THE GROUND PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PROTECT OR IMMEDIATELY REPAIR ANY DAMAGED UTILITY "DISCOVERED" ON THIS PROJECT WITHOUT ADDITIONAL COSTS.
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITS & HILL ENGINEERS, INC. SEE SHEET C404 FOR HORIZONTAL AND VERTICAL DATUM.
- ALL CATCH BASIN GRATES/DOES TO BE BOLT-DOWN. THE CONTRACTOR SHALL SET FRAMES AS NECESSARY TO MATCH CROSS SLOPES OF THE FINISHED GRADE AND SUCH THAT NO PONDING OCCURS AROUND UTILITY GRATES OR COVERS.
- SPOT ELEVATIONS ARE PROVIDED ON THE PLAN AT THE BOTTOM OF CURB, CURB FLOWLINE, EDGE OF PAVEMENT, EDGE OF CONCRETE, OR BUILDING FACE UNLESS NOTED OTHERWISE.
- CONTRACTOR AND/OR SURVEYOR SHALL CALCULATE PIPE SLOPES BASED ON THE INVERT ELEVATIONS SHOWN ON THE PLANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FIELD STAKING AND CONSTRUCTION.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAINTAINING ALL STORM SYSTEMS (EXISTING AND PROPOSED) AND TEST FACILITIES THROUGH THE CONSTRUCTION AND PROJECT COMPLETION.

# STORM DRAINAGE KEY NOTES

- INSTALL STORM DRAINAGE PIPE PIPE SIZE, MATERIAL AND SLOPE PER PLAN/PROFILE CALLOUT. PIPE BEDDING PER DETAILS A2/C3.02
- INSTALL TYPE 1 CATCH BASIN AT LOCATION (STATION & OFFSET), ROW, INVERT AND GRADE/COVER TYPE PER PROFILE CALLOUT. SEE C&C STANDARD PLAN 9-01/C4.04

# SURFACING KEY NOTES

- INSTALL SIDEWALK PER C&C STANDARD PLAN 5-01/C4.03
- INSTALL CEMENT CONCRETE CURB & GUTTER PER C&C STANDARD PLAN 4-02/C4.03
- INSTALL ROADWAY PAVING PER C&C STANDARD PLAN 4-08/C4.03 AND SECTIONS 01A02/C4.02
- INSTALL ECOLOGY BLOCKS FOR VISUAL BARRIER (END OF ROAD)

# APPROVED FOR CONSTRUCTION

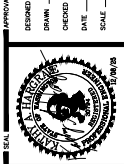
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

# LEGEND

- PROPOSED FEATURES**
- 50 STORM DRAIN PIPE
  - 180 TYPE 1 CATCH BASIN
  - 180 CONTOUR MAJOR
  - 179 CONTOUR MINOR
  - 180 GRADE BREAK
  - 180 DAYLIGHT/CATCH LINE
  - 180 ASPHALT PAVEMENT (FULL DEPTH)
  - 180 2" GRIND & OVERLAY
  - 180 CONCRETE SIDEWALK
  - 180 CONCRETE CURB & GUTTER

DESIGNED	AS
DRAWN	AS
CHECKED	RH
DATE	06/10/24
ADDRESS CITY COMMENTS	12-08-2025
ISSUED FOR PERMIT	10-24-2025

DESIGNED	AS
DRAWN	AS
CHECKED	RH
DATE	06/10/24
ADDRESS CITY COMMENTS	12-08-2025
ISSUED FOR PERMIT	10-24-2025



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**C4.02**  
PROJECT NO.  
**20862**

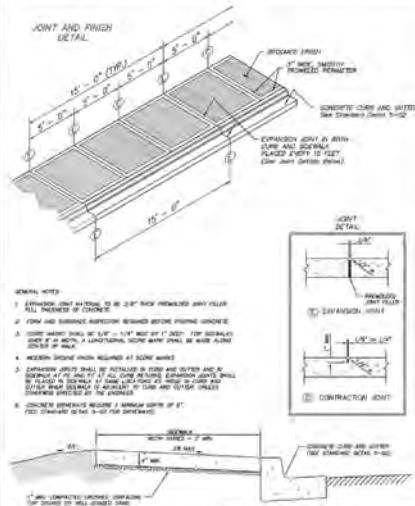


# STREET CONSTRUCTION GENERAL NOTES

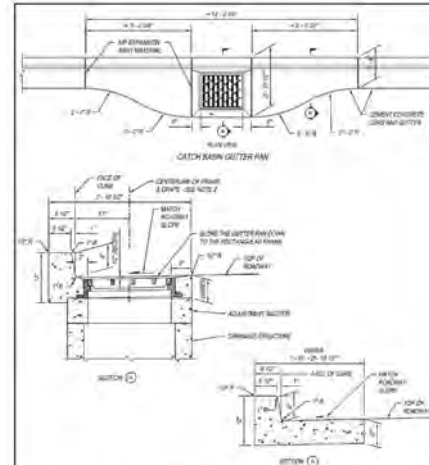
1. All workmanship and materials shall be in accordance with City of Centralia standards and the most current edition of the WSDOT/APWA Standard Specifications for Road, Bridge and Municipal Construction.
2. The contractor shall be responsible for all traffic control in accordance with MUTCD. Prior to disruption of any traffic, traffic control plans shall be prepared and submitted to the City for approval. No work shall commence until an approved traffic control is in place.
3. All street grades, sidewalk grades, and any other vertical and/or horizontal alignment shall be staked by an engineering or surveying firm capable of such work. All vertical control shall be representative using the 1988 USGS datum.
4. Where new asphalt joints existing, the existing asphalt shall be cut to a neat vertical wheel and locked with Asphalt Emulsion Type CSS-1 in accordance with the Standard Specifications. The new asphalt shall be laid down back over existing to provide for a neat at the new cut location and the joint sealed with grade AK-4000H paving cloth.
5. Connection requirements of trench restoration, subgrade and pavement shall be in accordance with the current edition of the W.S.D.O.T. Standard Specifications.
6. Form and subgrade inspection by the City is required before pouring concrete. Twenty-four hour notice is required for form inspection.
7. Testing and sampling frequencies shall be as described in the Standard Design and Development Guidelines.
8. The City provides for the manufacture and installation of street name and regulatory signs at the contractor's/developer's expense. Signs shall be requested at the time construction begins.
9. The contractor shall obtain a right-of-way permit from the Engineering Department prior to doing any construction in the right-of-way.
10. All temporary patches will require application of cold mix asphalt. Cold mix will be machine laid only or as required by the City Engineer to insure a smooth driving surface.
11. All patches will be permanently paved within 2 weeks of first opening the trench.

APPROVED BY	REVISION DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06-2007	STREET CONSTRUCTION GENERAL NOTES	10P-1
2022 Standard Drawings			

## JOINT AND FINISH DETAIL



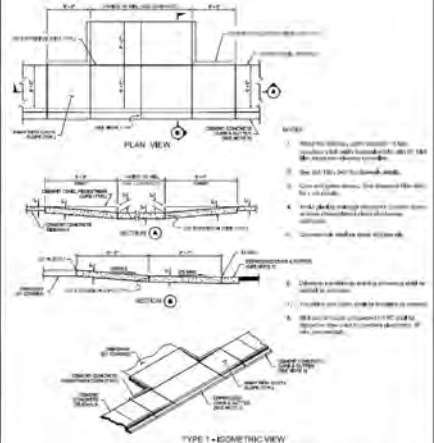
APPROVED BY	REVISION DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06/2007	SIDEWALK DETAILS	5-01
2022 Standard Drawings			



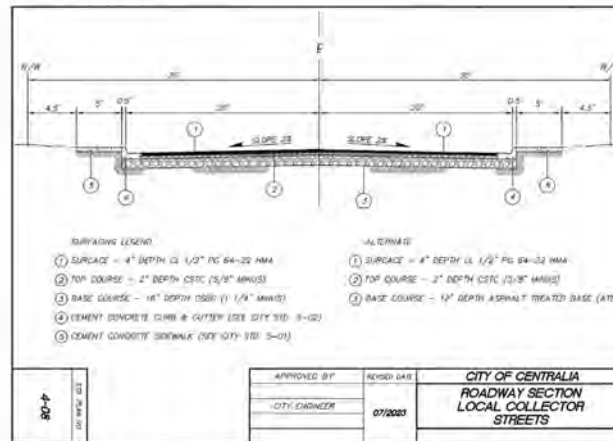
APPROVED BY	REVISION DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	03/2004	CEMENT CONCRETE CURB and GUTTER	5-02
2022 Standard Drawings			

APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

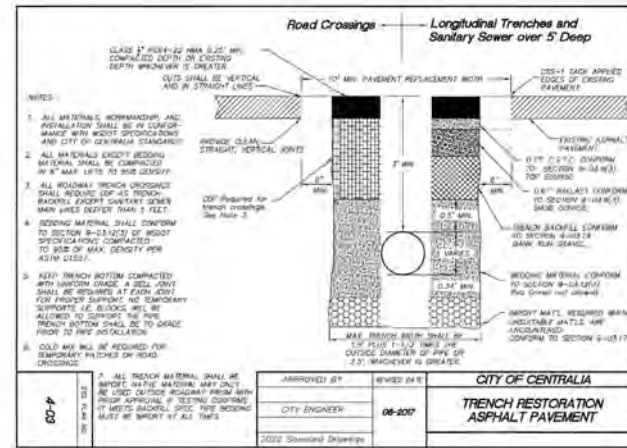
## CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1



APPROVED BY	REVISION DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06-2000	CEMENT CONCRETE DRIVEWAY COMMERCIAL	5-03A
2022 Standard Drawings			

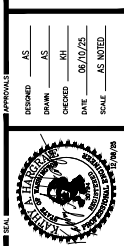


APPROVED BY	REVISION DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	07/2003	ROADWAY SECTION LOCAL COLLECTOR STREETS	
2022 Standard Drawings			



APPROVED BY	REVISION DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06-2007	TRENCH RESTORATION ASPHALT PAVEMENT	
2022 Standard Drawings			

DESIGNED BY: AS  
DRAWN BY: AS  
CHECKED BY: RH  
DATE: 06/10/24  
SCALE: AS NOTED



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4015 CENTER STREET  
TACOMA, WA 98409  
PHONE: (253) 425-1111 FAX: (253) 425-1112  
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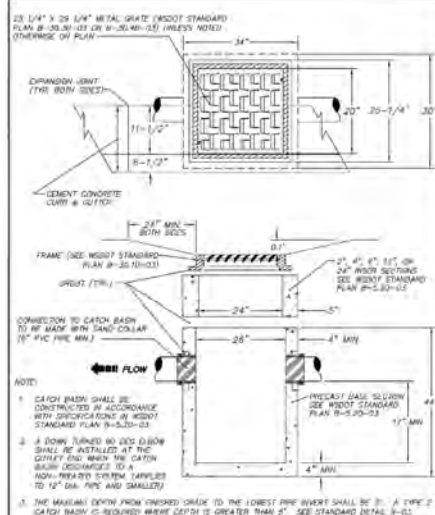
3 SANFORDS, LLC  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

PROJECT: 3 SANFORDS, LLC  
FACTORY ADDITION  
1703 INDUSTRIAL DR, CENTRALIA, WA, 98531  
SHEET TITLE: ROADWAY SURFACING  
NOTES AND DETAILS  
C4.03  
20862



14. **As stipulated, bid notetholders shall be in accordance with City of Centerville Structure and the most current copy of the WQRF/ANMIS Standard Specifications for Paving, Bridges and Structures, as amended.**
15. **Temporary erosion/sediment measures shall be required for the duration of the project.**
16. **The contractor must comply with all permits and/or permits on file with the City of Centerville or State governing outdoor occupancy.**
17. **A construction meeting shall be held with the City of Centerville prior to the start of construction.**
18. **All storm water drains, manholes and retention/detention sumps shall be installed for free and designed by an engineering or surveying firm located at 10000 North 1000 East, Suite 100, Centerville, Utah. Particular attention to the 1995 USGS "Shaking" shall be expected to the 15% prior to the start of construction and shall be submitted to the city for review.**
19. **Storm pipe sizes shall meet the following requirements (see only table 02020):**
  - A. Free surface pipe conforming to ASTM D 158, Class 2
  - B. vented pipe conforming to ASTM D 158, Class 2
  - C. PVC pipe conforming to ASTM D 3528, 40, 50, ASTM 158, or ASTM 1628
  - D. 12" or larger pipe conforming to ASTM D 3528, 40, 50, ASTM 158, or ASTM 1628
  - E. Cullette pipe conforming to ASTM C 55, (increase class as shown on sheet)
20. **Special structures, and/or water mains and storm sewer shall be installed per manufacturer's recommendations.**
21. **Provide typical control grid(s) as required in accordance with WQRFD**
22. **Call the International License Center at 1-800-424-0055 a minimum of 48 hours before the start of construction.**
23. **Where "unacceptable" areas "exist" (unacceptable), excavation pits will be required to complete and repair the existing storm sewer pipe.**
24. **It is the intent of the City to install a storm sewer pipe in accordance with Division 7 of the ANMIS Standard Specifications prior to paving in accordance with Division 7 of the ANMIS Standard Specifications. A water table of an existing report dating of less than one (1) year is acceptable.**
25. **Testing of the Storm sewer will include the following treatment of the final test in the final construction report. The contractor shall submit a report of the final test to the City of Centerville. The final test will be more often by inspection. The contractor shall submit a report of the final test to the City of Centerville. The final test is optional. Having an extra pipe at an underground station is an optional cost.**

APPROVED BY	ISSUED DATE	CITY OF CENTRALIA	
CITY ENGINEER	06/2007	STORM DRAINAGE INSTALLATION GENERAL NOTES	1 of 1
2022 Standard Drawings			



APPROVED BY	REVISED DATE	CITY OF CENTRALIA	SEE PLAN 3
CITY ENGINEER	9/2020	CATCH BASIN TYPE 1 IN PAVEMENT AREA	9-01
2020 Standard Drawings			

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

REVISIONS	ADDRESSED CITY COMMENTS	12-08-2025
	ISSUED FOR PERMIT	10-24-2025

DESIGNED AS  
DRAWN AS  
CHECKED KH  
DATE 06/10/25  
SCALE AS NOTED



**3 SANFORDS, LLC**  
**FACTORY ADDITION**  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA, 98391  
JERRY SANFORD (206) 817-1813

PROJECT: **3 SANFORDS, LLC  
FACTORY ADDITION**  
1703 INDUSTRIAL DR, CENTRALIA, WA, 98531

SHEET TITLE: **ROADWAY STORMWATER  
NOTES AND DETAILS**

C4.04

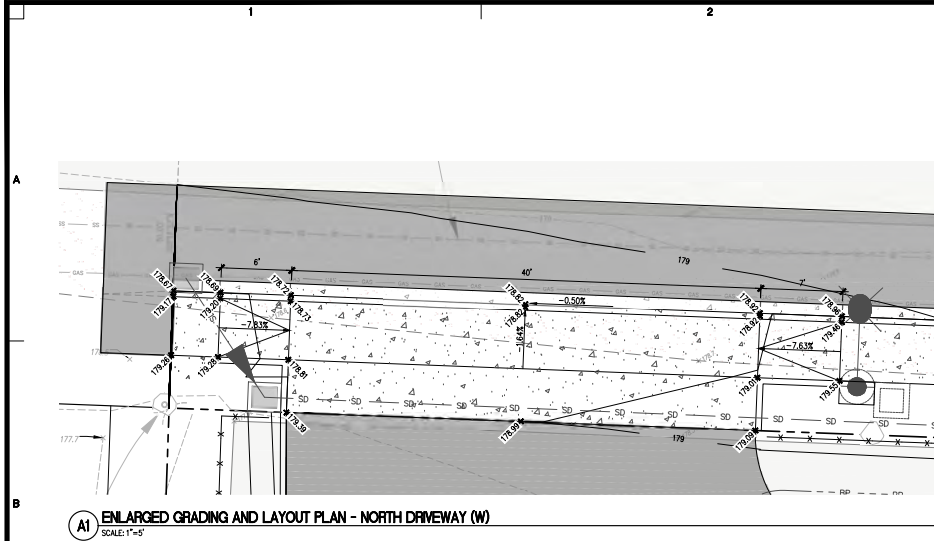
20862



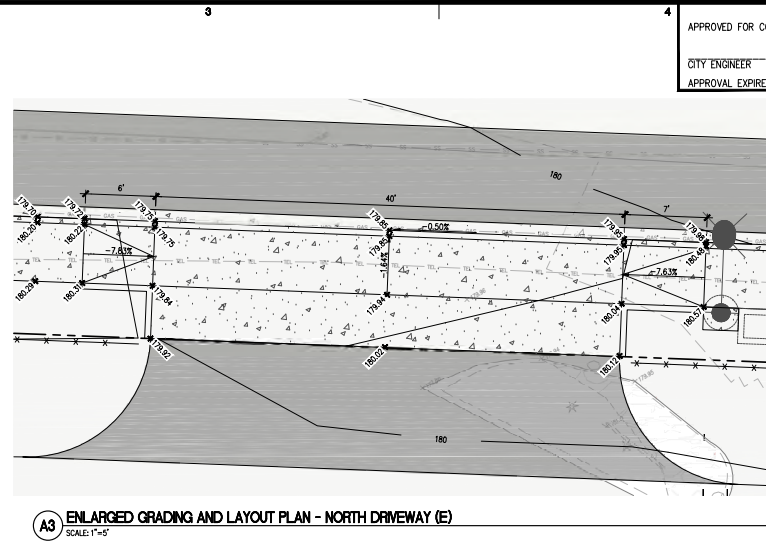




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**(A1) ENLARGED GRADING AND LAYOUT PLAN - NORTH DRIVEWAY (W)**  
SCALE: 1"=5'



**(A3) ENLARGED GRADING AND LAYOUT PLAN - NORTH DRIVEWAY (E)**  
SCALE: 1"=5'

APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE



HORIZONTAL SCALE: 1"=5'  
0 5 10

PROJECT  
**3 SANFORDS, LLC**  
FACTORY ADDITION  
1703 INDUSTRIAL DR, CENTRALIA, WA, 98531  
SHEET TITLE  
**ENLARGED GRADING PLANS**

**C4.06**  
**20862**

PREPARED FOR  
**3 SANFORDS, LLC**  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA, 98391  
JERRY SANFORD, (206) 817-1813

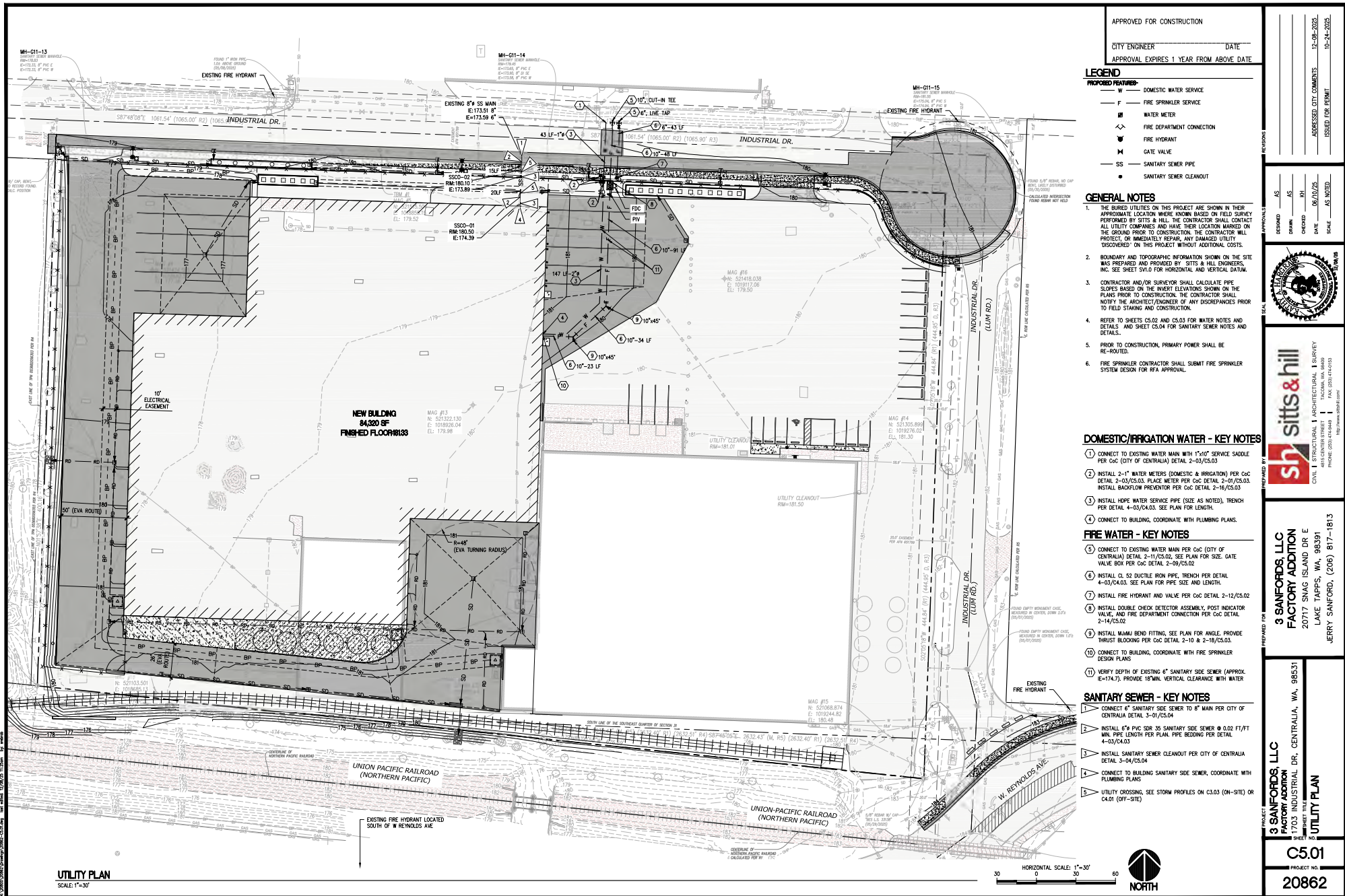
**sh** **sitts & hill**  
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PHONE: (253) 424-1235  
WWW.SHSITTSANDHILL.COM



DESIGNED BY: **AS**  
DRAWN BY: **AS**  
CHECKED BY: **KH**  
DATE: **06/10/24**  
SCALE: **AS NOTED**

APPROVED BY: \_\_\_\_\_  
ADDRESSED CITY COMMENTS: \_\_\_\_\_  
ISSUED FOR PERMIT: \_\_\_\_\_  
12-08-2025  
10-24-2025





APPROVED FOR CONSTRUCTION  
CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

- LEGEND**
- PROPOSED FEATURES
  - W DOMESTIC WATER SERVICE
  - F FIRE SPRINKLER SERVICE
  - WATER METER
  - FIRE DEPARTMENT CONNECTION
  - FIRE HYDRANT
  - GATE VALVE
  - SS SANITARY SEWER PIPE
  - SANITARY SEWER CLEANOUT

- GENERAL NOTES**
- THE BURIED UTILITIES ON THIS PROJECT ARE SHOWN IN THEIR APPROPRIATE LOCATION WHERE KNOWN BASED ON FIELD SURVEY PERFORMED BY SITS & HILL. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE THEIR LOCATION MARKED ON THE GROUND PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PROTECT OR IMMEDIATELY REPAIR ANY DAMAGED UTILITIES DISCOVERED ON THIS PROJECT WITHOUT ADDITIONAL COSTS.
  - BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITS & HILL ENGINEERS, INC. SEE SHEET SV1.0 FOR HORIZONTAL AND VERTICAL DATUM.
  - CONTRACTOR AND/OR SURVEYOR SHALL CALCULATE PIPE SLOPES BASED ON THE INVERT ELEVATIONS SHOWN ON THE PLANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FIELD STAKING AND CONSTRUCTION.
  - REFER TO SHEETS C5.02 AND C5.03 FOR WATER NOTES AND DETAILS. AND SHEET C5.04 FOR SANITARY SEWER NOTES AND DETAILS.
  - PRIOR TO CONSTRUCTION, PRIMARY POWER SHALL BE RE-ROUTED.
  - FIRE SPRINKLER CONTRACTOR SHALL SUBMIT FIRE SPRINKLER SYSTEM DESIGN FOR RFA APPROVAL.

**DOMESTIC/IRRIGATION WATER - KEY NOTES**

- CONNECT TO EXISTING WATER MAIN WITH 1"10" SERVICE SADDLE PER C&C (CITY OF CENTRALIA) DETAIL 2-10/C5.03.
- INSTALL 2"1" WATER METERS (DOMESTIC & IRRIGATION) PER C&C DETAIL 2-03/C5.03. PLACE METER PER C&C DETAIL 2-01/C5.03. INSTALL BACKFLOW PREVENTOR PER C&C DETAIL 2-16/C5.03.
- INSTALL HDPE WATER SERVICE PIPE (SIZE AS NOTED). TRENCH PER DETAIL 4-03/C4.03. SEE PLAN FOR LENGTH.
- CONNECT TO BUILDING, COORDINATE WITH PLUMBING PLANS.

**FIRE WATER - KEY NOTES**

- CONNECT TO EXISTING WATER MAIN PER C&C (CITY OF CENTRALIA) DETAIL 2-11/C5.02. SEE PLAN FOR SIZE. GATE VALVE BOX PER C&C DETAIL 2-09/C5.02.
- INSTALL CL 52 DUCTILE IRON PIPE, TRENCH PER DETAIL 4-03/C4.03. SEE PLAN FOR PIPE SIZE AND LENGTH.
- INSTALL FIRE HYDRANT AND VALVE PER C&C DETAIL 2-12/C5.02.
- INSTALL DOUBLE CHECK DETECTOR ASSEMBLY, POST INDICATOR VALVE, AND FIRE DEPARTMENT CONNECTION PER C&C DETAIL 2-14/C5.02.
- INSTALL MAMBI BEND FITTING, SEE PLAN FOR ANGLE. PROVIDE THRUST BLOCKING PER C&C DETAIL 2-10 & 2-18/C5.03.
- CONNECT TO BUILDING, COORDINATE WITH FIRE SPRINKLER DESIGN PLANS.
- VERIFY DEPTH OF EXISTING 6" SANITARY SEWER (APPROX. E=174.7). PROVIDE 18" MIN. VERTICAL CLEARANCE WITH WATER.

**SANITARY SEWER - KEY NOTES**

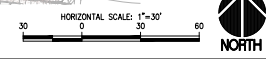
- CONNECT 8" SANITARY SEWER TO 8" MAIN PER CITY OF CENTRALIA DETAIL 3-01/C5.04.
- INSTALL 8" PVC SDR 35 SANITARY SEWER @ 0.02 FT/FT MIN. PIPE LENGTH PER PLAN. PIPE BEDDING PER DETAIL 4-03/C4.03.
- INSTALL SANITARY SEWER CLEANOUT PER CITY OF CENTRALIA DETAIL 3-04/C5.04.
- CONNECT TO BUILDING SANITARY SEWER, COORDINATE WITH PLUMBING PLANS.
- UTILITY CROSSING, SEE STORM PROFILES ON C3.03 (ON-SITE) OR C4.01 (OFF-SITE).

DESIGNED BY: AS  
DRAWN BY: AS  
CHECKED BY: RH  
DATE: 06/10/20  
ADDRESS: CITY COMMENTS: 12-08-2020  
ISSUED FOR PERMIT: 10-24-2020

**sitts & hill**  
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TACOMA, WA 98409  
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3 SANFORDS, LLC  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (206) 817-1813

PROJECT NO: C5.01  
SHEET NO: 20862





**WATER MAIN INSTALLATION  
GENERAL NOTES**

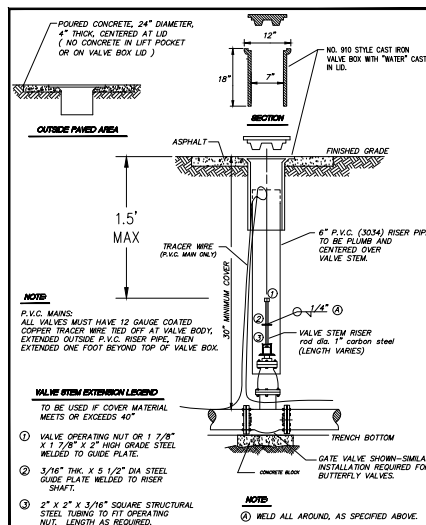
- A. All workmanship and all details shall be in accordance with the City of Centerville standards and the most current copy of the City of Washington Specification for Road, Bridge and Municipal Construction, as well as the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction.
- B. All water lines 12" and larger shall be made of ductile iron, thickness class 52 and a minimum wall thickness of 0.375 inches. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- C. Filings shall be class 200 cement material free from lumps and shall be mechanical joint or mudded flange, as ballbed at all joints. All fittings shall be made of ductile iron, thickness class 52 and a minimum wall thickness of 0.375 inches. All fittings shall be made using a Ductile Iron (DI) sleeve, with rebar-type, or Rammed Aggregate Compacting (RAC) when used in conjunction with a flange coupling (or gasket) will be used. All fittings will use 304L or stainless steel bolts.
- D. Gels valves shall be rammed, swing, NPS (Non-flange) Steel, with O-ring seats. Valve ends shall be flanged. All valves shall be made of ductile iron, thickness class 52 and a minimum wall thickness of 0.375 inches. Manufacturer, A.W. Cope, Kewanee, Kansas or American Axle. Lining valves shall be operated by City employees only.
- E. All valves shall be installed on all water lines.
- F. A valve shall never be installed on an water where the depth from finish grade to the top of the valve exceeds 15'.
  - 1. The valve hydraulic shall be 3-pipe 14" and 8" flange Style 129, flange coupling, 3" 1/4" with vertical. The distance between the third and second joint and second joint and bracket shall be 25 inches. The vertical pipe on the stander pipe. All fittings shall be bagged until service is performed.
- G. Brass wedges shall be installed in all ductile iron joints for continuity, less 2" per section of pipe. P.V.C. pipe shall be installed in all water lines. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- H. Brass wedges shall be installed in all ductile iron joints for continuity, less 2" per section of pipe. P.V.C. pipe shall be installed in all water lines. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- I. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- J. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- K. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- L. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- M. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- N. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- O. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- P. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- Q. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- R. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- S. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- T. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- U. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- V. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- W. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- X. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- Y. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.
- Z. All water lines shall be installed in accordance with the City of Centerville Standard Specifications for Road, Bridge and Municipal Construction with push on joints conforming to AWWA 1101. Water lines under 12 inch diameter may be P.V.C. or rubber lined ductile iron.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	08/2024	WATER MAIN INSTALLATION GENERAL NOTES	1 OF 2
2022 Standard Drawings			

**WATER MAIN INSTALLATION  
GENERAL NOTES**

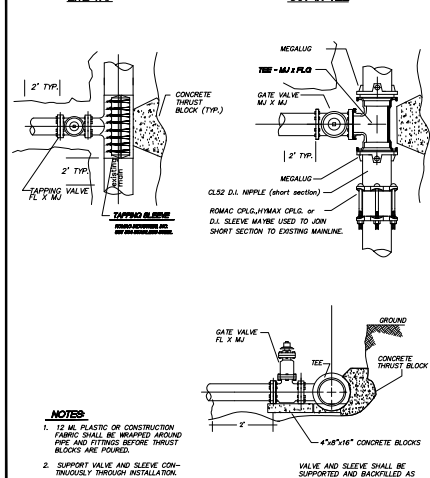
16. Where the water line crosses a highway sewer, the water line shall be above the sewer line whenever possible with a separation of not least 18" unless between the invert of the water line and the crown of the sewer pipe. If this criteria can not be achieved the sewer pipe shall be coated within ductile iron pipe for a distance of 10 feet either side of the water line.
17. All "LONG SIDE SERVICES" shall be covered in 140 psi pipe.
18. Water services noted as "long side" shall require a schedule 160 PVC pipe as a casing to cross the R.O.M.  
3/4" service - casing dia. 1.5"      1.5" service - casing dia. 3"  
1" service - casing dia. 2"      2" service - casing dia. 3"
19. ALL ASSESSMENT PIPE WORKMANSHIP SHALL FOLLOW THE GUIDE LINES SET FORTH BY THESE AGENCIES:  
Southwest Washington Air Pollution Control Authority (SWAPCA) and Labor and Industries (L&I).
20. Call the Underground Location Center at 1-800-424-5555 or 811 at least 48 hours before any excavation.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	08/2024	WATER MAIN INSTALLATION GENERAL NOTES	2 OF 2
2022 Standard Drawings			

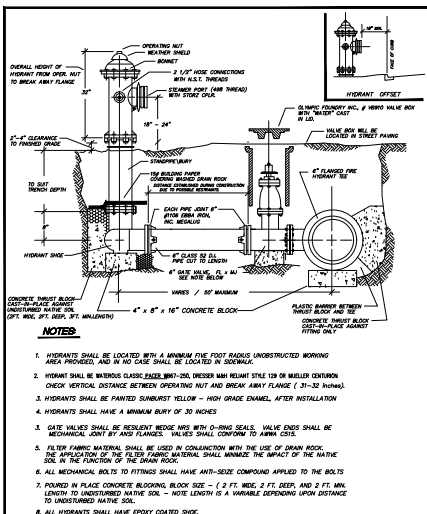


APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN
CITY ENGINEER	02/20/20	STANDARD VALVE BOX	2-09
2022 Standard Drawings			

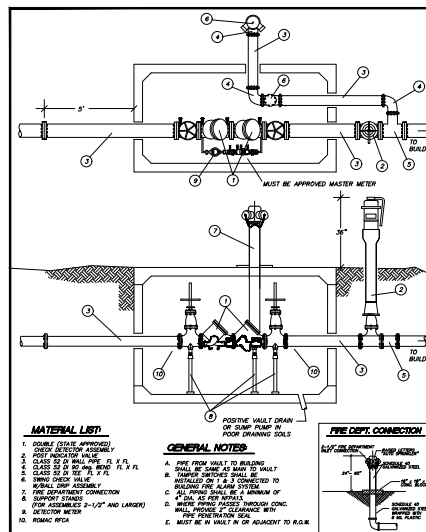
## LIVE TALK



APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	08/2007	LIVE TAP & CUT-IN-TEE STANDARD	2-11
2022 Standard Drawings			



APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	04/2024	FIRE HYDRANT DETAIL	2-12
2022 Standard Drawings			



APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN
CITY ENGINEER	02/2024	DOUBLE CHECK DETECTOR ASSEMBLY W/FIRE DEPARTMENT CONNECTION	2-14
2022 Standard Drawings			1 of 2

## INSTALLATION CLEAR REQUIREMENTS

MAXIMUM HEIGHT ABOVE FLOOR OR GRADE	5 FEET
MINIMUM SIDE CLEARANCE	12 INCHES ON ONE SIDE & 24 INCHES ON THE OTHER
MINIMUM CLEARANCE BELOW ASSEMBLY	12 INCHES*
MINIMUM END CLEARANCE	3 INCHES
MINIMUM CLEARANCE ABOVE FULLEST OPENING OF SOV	3 INCHES

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN
CITY ENGINEER	08/2007	DOUBLE CHECK DETECTOR ASSEMBLY W/FIRE DEPARTMENT CONNECTION	2-14
2022 Standard Drawings			2 of 2

REVISIONS	ADDRESSED CITY COMMENTS	12-08-2025
	ISSUED FOR PERMIT	10-24-2025

AS \_\_\_\_\_  
AS \_\_\_\_\_  
KH \_\_\_\_\_  
10/25 \_\_\_\_\_  
NOTED \_\_\_\_\_



**sh** **sitts & hill**

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TERRY SANFORD (206) 817-1813

PROJECT  
**3 SANFORDS, LLC**  
**FACTORY ADDITION**  
 1703 INDUSTRIAL DR, CENTRALIA, WA, 98531

SHEET TITLE  
**WATER NOTES AND DETAILS**

SHEET NO.  
**C5.02**  
PROJECT NO.  
**20862**





REVISIONS	ADDRESSED CITY COMMENTS	12-08-2025
	ISSUED FOR PERMIT	10-24-2025

DESIGNED	AS
DRAWN	AS
CHECKED	KH
DATE	06/10/25
SCALE	AS NOTED



sh sits & hill  
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LAKE TAPPS, WA, 98391  
JERRY SANFORD, (206) 817-1813

PROJECT

3 SANFORDS, LLC

FACTORY ADDITION

1703 INDUSTRIAL DR, CENTRALIA, WA, 98531

SHEET TITLE

WATER NOTES AND DETAILS

C5.03  
PROJECT NO.  
20862



