



**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  
[mwatalo@cityofcentralia.com](mailto:mwatalo@cityofcentralia.com)

**PUBLIC WORKS DEPARTMENT**  
**360-330-7512**

Andy Oien, PW Director  
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Patty Page, City Engineer  
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**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

Revisions  
APPROVALS  
ISSUED FOR PERMIT  
12-08-2023  
10-24-2025  
ADRESSED CITY COMMENTS  
12-08-2023  
10-24-2025

# 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@SITTHILL.COM

## INDEX OF DRAWINGS

DISCIPLINE:	CIVIL
DRAWING No.	TITLE - DESCRIPTION
C0.00	CIVIL COVER SHEET
SV1.0	SITE BOUNDARY AND TITLE DETAILS
SV1.1	TOPOGRAPHIC SURVEY
SV1.2	TOPOGRAPHIC SURVEY
SV1.3	TOPOGRAPHIC SURVEY
SV1.4	TOPOGRAPHIC SURVEY
SV1.5	TOPOGRAPHIC SURVEY
SV1.6	TOPOGRAPHIC SURVEY
C1.01	DEMOLITION AND TESC PLAN
C1.02	DEMOLITION AND TESC NOTES
C1.03	DEMOLITION AND TESC DETAILS
C2.01	ONBSITE SURFACING AND LAYOUT PLAN
C2.02	ONBSITE SURFACING NOTES AND DETAILS
C3.01	ONBSITE GRADING AND DRAINAGE PLAN
C3.02	ONBSITE GRADING AND DRAINAGE NOTES AND DETAILS
C3.03	ONBSITE GRADING AND DRAINAGE NOTES AND DETAILS
C3.04	ONBSITE DRAINAGE PROFILES
C3.05	CROSS-SECTIONS
	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 83/2000

BASED ON GPS OBSERVATION UTILIZING THE WASHINGTON STATE REFERENCE NETWORK (WSRN)

MEASURED NORTH 87°45'06" 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 "CMM-C"  
DESCRIPTION: BRASS MONUMENT IN CASE, C. W. REYNOLDS AVE. SOUTH EDGE OF ROAD & S. OF RAILROAD BRIDGE.  
ELEV. = 172.58

T.B.M. #11  
TEMPORARY BENCHMARK ELEVATION = 169.84'  
DESCRIPTION: MAG. NAL. ON THE SOUTH SIDE OF W. REYNOLDS AVE. SOUTH EDGE OF ROAD & S. OF RAILROAD BRIDGE.

T.B.M. #22  
TEMPORARY BENCHMARK ELEVATION = 163.09'  
DESCRIPTION: BRASS MONUMENT IN CASE, C. W. REYNOLDS AVE. 150 1/4 - EAST OF INTX. W. INDUSTRIAL DRIVE.

## LEGAL DESCRIPTION

PARCEL A OF BLLA FOR LOT COMBINATION UNDER A.F.A. 362895.

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

COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 31; THENCE NORTH

87°45'06" WEST, ALONG THE SOUTHEAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 31, 40.16 FEET TO THE POINT WHERE THE SOUTHEAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 31 MEETS THE SOUTHEAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 31; THENCE

NORTH 31°16' EAST, 40.73 FEET TO THE INTERSECTION OF THE EAST RIGHT OF WAY MARK (LUM ROAD) AND THE NORTH RIGHT OF WAY MARK (UNION PACIFIC RAILROAD).

THENCE NORTH 31°16' EAST, 40.73 FEET TO THE POINT WHERE THE SOUTHEAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 31 MEETS THE SOUTHEAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 31; THENCE

NORTH 87°45'06" WEST, ALONG SAID NORTHERLY RIGHT OF WAY MARK, 40.82 FEET TO

THE POINT OF BEGINNING; THENCE NORTH 01°57'30" EAST, 400.16 FEET TO

THE POINT WHERE THE SOUTHEAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 31 MEETS THE SOUTHEAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 31; THENCE

NORTH 31°16' EAST, 40.73 FEET TO ITS INTERSECTION WITH THE WEST RIGHT OF

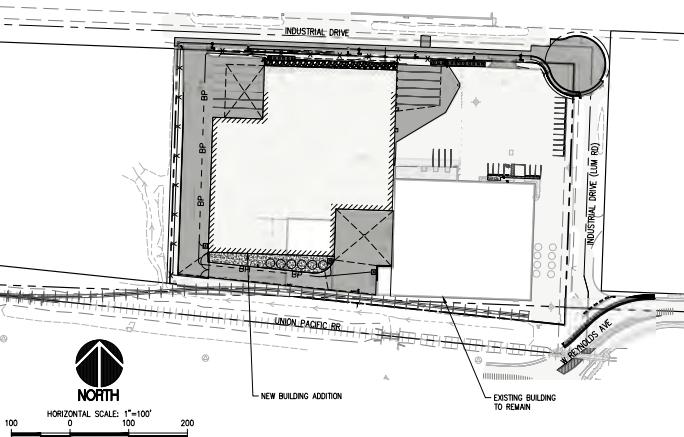
WAY MARK (LUM ROAD); THENCE NORTH 02°05'18" WEST, ALONG SAID WEST RIGHT OF

WAY MARK (LUM ROAD), 40.73 FEET TO THE POINT WHERE THE SOUTHEAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 31 MEETS THE SOUTHEAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 31; THENCE

NORTH 87°45'06" WEST, ALONG SAID NORTHERLY MARK, 40.89 FEET TO THE POINT OF BEGINNING.

STUITE IN THE CITY OF CENTRALIA, COUNTY OF LEXIA, STATE OF WASHINGTON.

## OVERALL SITE PLAN:



## PROJECT INFORMATION:

SITE ADDRESS: 1703 INDUSTRIAL DRIVE, CENTRALIA, WA 98531

PARCEL NUMBERS: 003682-056-041

PARCEL AREA: 285.415 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 ONITE AND OFFSITE STORMWATER FACILITIES, FRONTEAGE IMPROVEMENTS AND UTILITY SERVICES

NEW/REPLACED IMPERVIOUS SURFACE: 166,391 S.F. (3.820 ACRES)

DISTURBED AREA: 202,065 S.F. (4.639 ACRES)

EARTHWORK VOLUMES\*

TOTAL CUT: 4,300 CY

TOTAL FILL: 3,300 CY

\*FOR PERMITTING PURPOSES ONLY

PREPARED FOR  
3 SANFORDS, LLC  
FACTORY ADDITION  
20717 SNAG ISLAND DR E  
LAKE TAPPS, WA 98391  
JERRY SANFORD, (253) 817-1813

4815 CENTER STREET  
TACOMA, WA 98409  
PHONE: (253) 474-9449  
FAX: (253) 214-5153  
<http://www.sittshill.com/>

PROJECT NO.  
3 SANFORDS, LLC  
FACTORY ADDITION  
SHEET NO.  
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



APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE  
 APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

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 VALUE
- 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. SERVICE PIT
- DECIDUOUS TREE
- EVERGREEN TREE
- ROCK
- DOOR CENTERLINE
- FF FINISH FLOOR ELEVATION
- TPN TAX PARCEL NUMBER

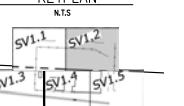
- BOUNDARY LINE
- LOT LINE
- SECTION LINE
- ROAD CENTERLINE
- RIGHT OF WAY LINE
- EASEMENT LINE

- PARCEL LINE (W/ LEWIS COUNTY GS)
- STORM DRAIN LINE
- SANITARY SEWER LINE
- BURIED WATER LINE
- BURIED GAS LINE
- BURIED POWER LINE
- BURIED TELECOMMUNICATIONS LINE
- OVERHEAD POWER LINE
- MISCELLANEOUS UTILITY LINE

- DITCH LINE
- RAILROAD TRACK

- ASPHALT SURFACE
- CONCRETE SURFACE
- GRAVEL SURFACE
- RIP-RAP SURFACE
- STEEL SURFACE

KEYPLAN  
 NTS



REVISIONS	
APPROVALS	REVISIONS
APPROVED	REVISION
BY	DATE
DR. SITTS & HILL	12/03/2005
SITTS & HILL	
CIVIL STRUCTURAL ARCHITECTURAL SURVEY	
4811 CENTER STREET TACOMA, WA 98409	
PHONE: (206) 744-5449 FAX: (206) 744-5153	
http://www.sitthill.com	

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**FACTORY ADDITION**  
 20717 SNAG ISLAND DR E  
 LAKE TAPPS, WA 98251  
 JERRY SANFORD, (206) 817-1813

PROJECT NO. 3 SANFORDS, LLC  
 FACTORY ADDITION  
 20717 SNAG ISLAND DR E, CENTRALIA, WA, 98531  
 SHEET NO. 7073  
 TOPOGRAPHIC SURVEY  
 SHEET NO. 7073  
 PROJECT NO. 20862  
**SV1.2**



BOUNDARY AND TOPOGRAPHIC SURVEY  
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 CITY OF CENTRALIA, LEWIS COUNTY, WASHINGTON STATE



NORTH

HORIZONTAL SCALE: 1"=20'

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CITY ENGINEER DATE  
 APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

LEGEND

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- FOUND REBAR / IRON PIPE AS NOTED
- ◊ SURVEY CONTROL POINT, AS NOTED
- ◊ SANITARY SEWER MANHOLE
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- ◊ STORM CULVERT
- ◊ ROOF DRAIN
- ◊ WATER VALVE
- ◊ FIRE HYDRANT
- ◊ FIRE DEPARTMENT CONNECTION
- ◊ POST INDICATOR VALVE
- ◊ IRRIGATION CONTROL VALVE

- WATER VAULT
- GAS VALVE
- GAS METER
- ◊ GUY ANCHOR
- JUNCTION BOX
- POWER VULT
- POWER CABINET
- ◊ LIGHT POLE
- ◊ ELECTRIC METER
- POWER TRANSFORMER
- TELECOM RISER
- TELECOM JUNCTION BOX

- ◊ HVAC UNIT
- ◊ UTILITY VAULT
- ◊ UTILITY 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 OS

- SD STORM DRAIN LINE

- SS SANITARY SEWER LINE

- BW BURIED WATER LINE

- BG BURIED GAS LINE

- BP BURIED POWER LINE

- BT BURIED TELECOMMUNICATIONS LINE

- OP OVERHEAD POWER LINE

- MU MISCELLANEOUS UTILITY LINE

- DL DITCH LINE

- FENCE

- RR RAILROAD TRACK

- ASPHALT SURFACE

- CONCRETE SURFACE

- GRAVEL SURFACE

- RI-RAF SURFACE

- STEEL SURFACE

KEYPLAN

N.L. ....

SV1.1 SV1.2

SV1.3 SV1.4 SV1.5

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SV1.214

SV1.215

SV1.216

BOUNDARY AND TOPOGRAPHIC SURVEY  
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HORIZONTAL SCALE: 1"-20'

APPROVED FOR CONSTRUCTION

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

LEGEND

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- 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
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- SS SS
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- CONCRETE SURFACE
- GRAVEL SURFACE
- RIP-RAP SURFACE
- STEEL SURFACE

- KEYPLAN
- NORTH

- APPROVALS
- DRAWN
- CHECKED
- GOL
- DATE 12/03/2025
- SCALE 1"=20'
- IS 3007

- SEAL

- CIVIL STRUCTURAL ARCHITECTURAL SURVEY
- TACOMA, WA 98409
- FAX: (253) 474-1553
- PHONE: (253) 474-3449
- http://www.sitts.com

- PREPARED BY

- sitts & hill

- CIVIL STRUCTURAL SURVEY

- 4811 CENTER STREET

- PHONE: (253) 474-1553

- http://www.sitts.com

- PROJECT

- 3 SANFORDS, LLC

- FACTORY ADDITION

- 20717 SNAG ISLAND DR E

- LAKE TAPPS, WA 98351

- JERRY SANFORD, (206) 817-1813

- SHEET

- 3 SANFORDS, LLC

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- 20717 SNAG ISLAND DR E

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- JERRY SANFORD, (206) 817-1813

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</

## 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'003682056303'  
BONNEVILLE POWER  
ADMINISTRATION

TPN'003682056300'

OVERHEAD DOOR

CORPORATION

INDUSTRIAL DR.

TPN'003682056041'

INDUSTRIAL DR.  
(LUM RD.)

TPN'003682056039'  
LAFARGE NORTH  
AMERICA INC.

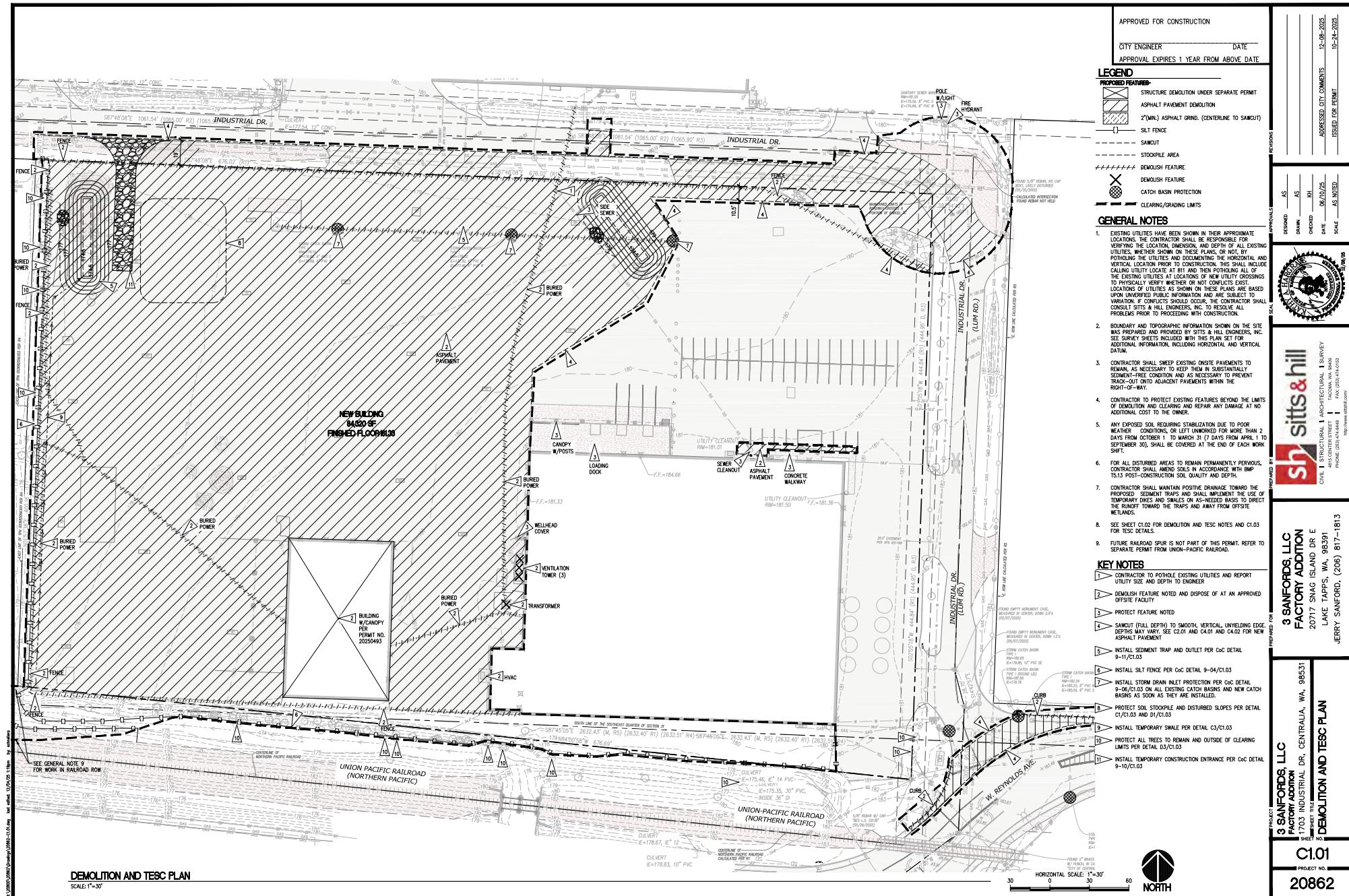
UNION PACIFIC RAILROAD  
(NORTHERN PACIFIC)

W. REYNOLDS AVE.

AERIAL EXHIBIT - 1703 INDUSTRIAL DR. CENTRALIA, WA 98531

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

PROJECT NO.	3 SANFORDS, LLC		PREPARED FOR	REVISIONS
	FACTORY ADDITION		sitts & hill	APPROVALS
	2071717 SANIC ISLAND DR E		CIVIL STRUCTURAL, ARCHITECTURAL, SURVEY	SEAL
	LAKE TAPPS, WA 98531		4819 CENTER STREET   TACOMA, WA 98409	APPROVED: _____
	JERRY SANFORD, (206) 817-1813		PHONE: (206) 474-3449   FAX: (206) 214-0153	REVIEWED: _____
			http://www.sith.com/	DATE: 12/03/2025
PROJECT NO.	3 SANFORDS, LLC		PREPARED FOR	REVISIONS
1703	FACTORY ADDITION		sitts & hill	APPROVALS
	2071717 SANIC ISLAND DR E		CIVIL STRUCTURAL, ARCHITECTURAL, SURVEY	SEAL
	LAKE TAPPS, WA 98531		4819 CENTER STREET   TACOMA, WA 98409	APPROVED: _____
	JERRY SANFORD, (206) 817-1813		PHONE: (206) 474-3449   FAX: (206) 214-0153	REVIEWED: _____
			http://www.sith.com/	DATE: 12/03/2025
PROJECT NO.	3 SANFORDS, LLC		PREPARED FOR	REVISIONS
SV1.6	FACTORY ADDITION		sitts & hill	APPROVALS
20862	2071717 SANIC ISLAND DR E		CIVIL STRUCTURAL, ARCHITECTURAL, SURVEY	SEAL
	LAKE TAPPS, WA 98531		4819 CENTER STREET   TACOMA, WA 98409	APPROVED: _____
	JERRY SANFORD, (206) 817-1813		PHONE: (206) 474-3449   FAX: (206) 214-0153	REVIEWED: _____
			http://www.sith.com/	DATE: 12/03/2025
PROJECT NO.	3 SANFORDS, LLC		PREPARED FOR	REVISIONS
SV1.6	FACTORY ADDITION		sitts & hill	APPROVALS
20862	2071717 SANIC ISLAND DR E		CIVIL STRUCTURAL, ARCHITECTURAL, SURVEY	SEAL
	LAKE TAPPS, WA 98531		4819 CENTER STREET   TACOMA, WA 98409	APPROVED: _____
	JERRY SANFORD, (206) 817-1813		PHONE: (206) 474-3449   FAX: (206) 214-0153	REVIEWED: _____
			http://www.sith.com/	DATE: 12/03/2025

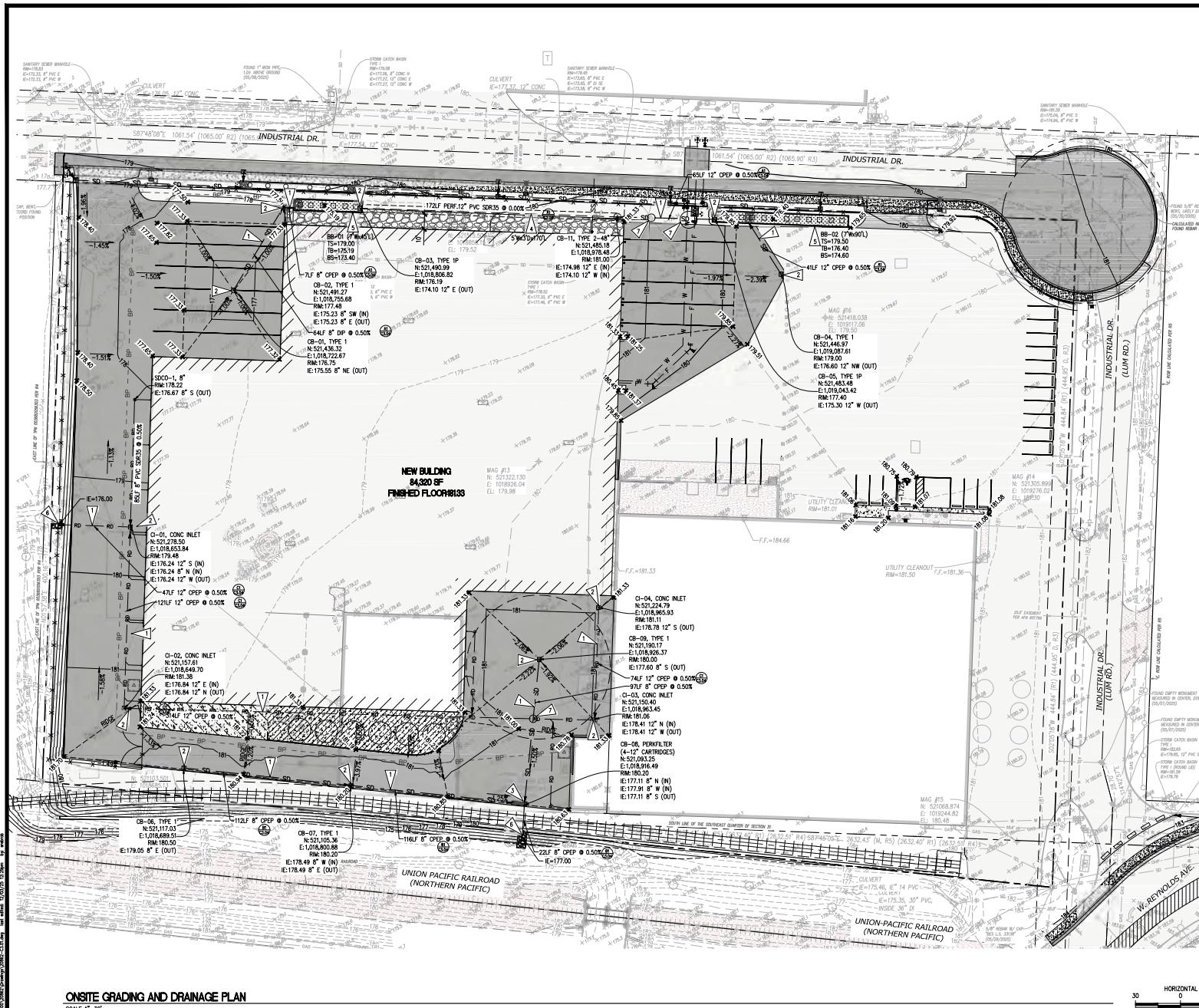


<p><b>CONTRACTOR TESC AND SWPP RESPONSIBILITIES</b></p> <p>1. THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE CONSTRUCTION STORMWATER PROVISIONS OF THE INDUS CONSTRUCTION STORMWATER PERMIT. UPON EXECUTION OF THIS CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STORMWATER ACTIVITIES ASSOCIATED WITH THIS PROJECT FOR THE DURATION OF THE CONTRACT. THE CONTRACTOR SHALL ALSO PROVIDE THE REQUIRED CERTIFIED PERSONNEL TO COMPLETE THE WORK.</p> <p>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 SOURCE CONTROL PLAN AND STORMWATER TREATMENT MEASURES, REQUIRED DEPARTMENT OF ECOLOGY INSPECTIONS, MONITORING, TESTING AND RECORD KEEPING, AND MAINTENANCE WORK AS REQUIRED TO ENSURE THAT ALL STORMWATER PROTECTION MEASURES REMAIN OPERATIONAL AND FUNCTIONAL.</p>		<p><b>2 DEMOLITION NOTES</b></p> <p>1. REMOVE ALL DELETERIOUS MATERIAL FOUND ON-SITE INCLUDING VEGETATION, SCRAP WOOD, TRASH, ETC. AND DISPOSE OF AT AN APPROVED OFF-SITE LOCATION.</p> <p>2. AT ALL TIMES THE CONTRACTOR SHALL MAINTAIN SIGNS, BARRICADES, FENCING, OR OTHER MEASURES TO ENSURE CONTINUOUS PROTECTION OF THE PUBLIC AND TO PREVENT UNAUTHORIZED ENTRY TO THE CONSTRUCTION AREA. AT A MINIMUM FENCING SHALL BE 6.0 FEET HIGH.</p> <p>3. PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH CITY OF CENTRALIA AND STATE REQUIREMENTS. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL SIGNS.</p> <p>4. THE CONTRACTOR IS FINANCIALLY RESPONSIBLE FOR THE MAINTENANCE AND/OR REPAIR OF OFF-SITE AND ON-SITE PAVED SURFACES WHERE DAMAGE HAS BEEN SUSTAINED DUE TO THE DEVELOPMENT'S CONSTRUCTION TRAFFIC.</p> <p>5. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND REMOVING CONCRETE THAT IS IDENTIFIED AS HAZARDOUS. CONCRETE THAT IS IDENTIFIED AS HAZARDOUS OR IS NOT POSSIBLE TO REMOVE OR REPAIR SHALL BE REMOVED TO THE NEAREST HAZARDOUS WASTE SITE AS IDENTIFIED DURING THE CONSTRUCTION PHASE. THIS IS NOT POSSIBLE DUE TO CONFLCTS OF ADJACENT DAMAGED CONCRETE / ASPHALT, THE CONTRACTOR SHALL MAKE A FULL PAVEMENT DEPTH SURVEY AT THE PROPOSED JOINT IN SOUND PAVEMENT. PROPOSED CONCRETE / ASPHALT SHALL EXTEND TO THE SAWCUT EDGE AND BE APPROPRIATELY JOINED / SEALED. THE CONTRACTOR SHALL MAKE SAWCUTS AT EXISTING CONSTRUCTION JOINTS WHERE POSSIBLE.</p>		<p><b>3 SILT FENCE NOTES</b></p> <p>1. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY FASTENED AT BOTH ENDS TO POSTS.</p> <p>2. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30 INCHES).</p> <p>3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UP-SLOPE FROM THE BARRIER. THIS TRENCH SHALL BE BACKFILLED WITH WASHED GRAVEL.</p> <p>4. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UP-SLOPE SIDE OF THE POSTS. WIRE MESH STAPLES AT LEAST 1 INCH LONG. THE WIRES OR HOODS SHALL BE TIED DOWN TO THE POSTS WITH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE.</p> <p>5. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRDED 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 ORIGINAL GROUND SURFACE. UNLESS OTHERWISE APPROVED BY THE COUNTY, SEEDING, FERTILIZING AND MULCHING OR CLEARED OR OTHERWISE DESTROYED AREAS SHALL BE STABILIZED WITH A 300 FT. X 300 FT. GRID OF FILTER FABRIC. THE CONTRACTOR SHALL NOT ALLOW THE FILTER FABRIC TO BE EXPOSED. THE CONTRACTOR SHALL NOT ALLOW THE FILTER FABRIC TO BE EXPOSED.</p> <p>6. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSURE POST SPACING IS USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN THIS CASE, THE FILTER FABRIC IS STAPLED OR WIRDED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISION OF ABOVE NOTES APPLYING.</p> <p>7. FILTER FABRIC FENCES SHALL NOT BE REMOVED BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY STABILIZED.</p> <p>8. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.</p> <p>9. SILT FENCES SHALL BE INSTALLED PARALLEL TO ANY SLOPE CONTOURS.</p> <p>10. CONTRIBUTING LENGTH TO FENCE WILL NOT BE GREATER THAN 100 FEET.</p> <p>11. DO NOT INSTALL BELOW AN OUTLET PIPE OR MER.</p> <p>12. INSTANTIATE SLOPES OF EXPOSED AREAS.</p> <p>13. DO NOT DRIVE OVER OR FILL OVER SILT FENCES.</p> <p>14. PLACE 1" OF 3/4" - 1 1/2" WASHED ROCK OR PEA-GRavel ON BOTH SIDES OF FENCE TO CREATE A BEVEL SHAPE.</p> <p>15. FABRIC SILT COVER BOTTOM OF 8" X 12" TRENCH AND EXTEND BEYOND THE LIMITS OF THE GRAVEL IN ORDER TO MAINTAIN AN EXCESS OVERLAP OF 2" MINIMUM AS SHOWN IN TYPICAL CROSS-SECTION.</p>																					
<p><b>4 APPROVED FOR CONSTRUCTION</b></p> <p>CITY ENGINEER <span style="float: right;">DATE</span> APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE</p> <p>12-08-2023</p>				<p>12-08-2023</p>																					
<p><b>5 CONSTRUCTION SEQUENCE</b></p> <p>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.</p> <p>2. PROVIDE TES MEASURES (EROSION CONTROL PLANS AND DETAIL SHEETS). COORDINATE WITH PROJECT WORK TIME PERIODS &amp; PROJECT MILESTONE COMPLETION DATES.</p> <p>3. PROMOTE TEMPORARY UTILITIES AND SERVICES NECESSARY FOR CONSTRUCTION ACTIVITIES.</p> <p>4. COMMENCE CONSTRUCTION ACTIVITIES.</p> <p>5. CLEAN SEAMANT FROM STORM DRAINAGE STRUCTURES AND PIPING IF AFFECTED. PROVIDE DOCUMENTATION CLEANING WAS PERFORMED BY A LICENSED/BOUNDED COMPANY.</p> <p>6. FINAL SITE INSPECTIONS. SEE CONTRACT PLANS FOR MILESTONE INSPECTIONS REQUIRED BY OWNER AND PERMITTING AGENCY.</p> <p>7. CERTIFICATE OF OCUPANCY ISSUED.</p>				<p>REVISIONS</p>																					
<p><b>6 EXCAVATION NOTES</b></p> <p>1. EXCAVATE TO ELEVATIONS, LINES AND GRADES INDICATED TO NOT MORE THAN 1/2-INCH ABOVE OR BELOW THAT REQUIRED.</p> <p>2. SLOPE SIDES OF EXCAVATION AS INDICATED OR COMPLY WITH LOCAL CODES AND ORDINANCES HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT. SHORE AND BRACE SLOPING IS NOT POSSIBLE BECAUSE OF SPACE RESTRICTIONS OR STABILITY OF MATERIAL EXCAVATED.</p> <p>3. NO NATIVE MATERIALS SHALL BE ALLOWED FOR USE AS BACKFILL FOR ANY UTILITIES, WITHIN PUBLIC ROADWAY UNLESS APPROVED BY THE ENGINEER. NATIVE MATERIALS FOR USE AS BACKFILL FOR PRIVATE UTILITY TRENCH BACKFILL WILL BE ALLOWED ONLY WITH ENGINEER'S APPROVAL BASED ON SATISFACTORY LABORATORY TESTING VERIFYING MATERIAL MEETS REQUIREMENTS OF WSDOT STANDARD SPECIFICATION 9-14.5(19). STOCKPILE SATISFACTOR EXCAVATION MATERIALS WHERE DIRECTED UNLESS APPROVED BY THE ENGINEER OR FULL APPROVAL IS NOT RECEIVED. PLACE EXCAVATED MATERIALS STOCKPILED FOR PROPER DRADING, LOCATE AND RETAIN SOL MATERIAL AWAY FROM EDGE OF EXCAVATION.</p> <p>4. DISPOSE OF EXCESS SOL AND UNSUITABLE SOIL MATERIAL OFF-SITE AS DIRECTED.</p>				<p>REVISIONS</p>																					
<p><b>7 COMPACTION NOTES</b></p> <p>1. CONTROL SOIL COMPACTION DURING CONSTRUCTION PROVIDING MINIMUM PERCENTAGE OF DENSITY SPECIFIED FOR THE SOIL. PERCENTAGES ARE RELATED TO MAXIMUM DRY DENSITY AS MEASURED IN CONFORMITY WITH ASTM D 1557.</p> <p>2. COMPACT TOP 12-INCHES OF SUBGRADE TO 95-% OF MAXIMUM DRY DENSITY UNDER ALL PAVEMENTS.</p> <p>3. WHERE SURFACE LAYER OF SOIL MATERIAL MAY BE MOISTURE CONTAMINATED BEFORE COMPACTING, UNIFORMLY ADD WATER TO SURFACE OF SUBGRADE OR SOIL TO ADEQUATE LEVEL TO PREVENT FREE WATER APPARITION ON SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS. REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY. SOIL MATERIAL THAT HAS BEEN REMOVED AS TOO WET TO PERMIT COMPACTION MAY BE STOCKPILED, SPREAD AND DRIED, OR RELOCATED TO ANOTHER SITE TO ASSIST DRYING BY DROPPING, HAMMICKING OR PULVERIZING UNTIL MOISTURE CONTENT IS REDUCED TO SATISFACTORY VALUE.</p>				<p>REVISIONS</p>																					
<p><b>8 SUBGRADE PREPARATION NOTES</b></p> <p>1. REFER TO "GEOTECHNICAL ENGINEERING REPORT AND HYDROLOGIC ASSESSMENT" BY MIGR GROUP, INC. DATED JULY 14, 2025 FOR MORE INFORMATION ABOUT SUBGRADE PREPARATION.</p> <p>2. SUBGRADE BELOW THE DIKE FILL SHALL CONSIST OF FRESH UNCONTROLLED NATIVE SOIL OR STRUCTURAL FILL. SUBGRADE UNDER NO-CROSS-FALL SLOPES SHALL BE INSTALLED ATOP LOOSE, SOFT, OR FROZEN SOIL, SLOUGH, DEBRIS, EXISTING UNCONTROLLED FILL OR SURFACES COVERED BY STANDING WATER. ANY LOCALIZED ZONES OF LOOSER GRANULAR SOIL OBSERVED WITHIN A SUBGRADE SHALL BE COMPACTED TO A DENSITY EQUAL TO THE DENSITY OF THE NATIVE SOIL. THE CONTRACTOR SHALL NOT ALLOW THE EXISTING SUBGRADE TO OVEREXCAVATED AND REPLACED WITH STRUCTURAL FILL MATERIAL. SUBGRADE CONDITION SHALL BE VERIFIED BY THE GEOTECHNICAL ENGINEER OR SPECIAL INSPECTOR PRIOR TO PLACING STRUCTURAL FILL.</p>				<p>REVISIONS</p>																					
<p><b>9 SEEDING NOTES</b></p> <p>1. SEED MULCH SHALL BE PER THE "SEED MIXTURE FOR EROSION CONTROL" TABLE BELOW, AND SHALL BE APPLIED AT THE RATE OF 120 LB. PER ACRE.</p> <p>2. SEED BEDS PLANTED BEFORE MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.</p> <p>3. FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30, ARMORING OF THE SEED BED WILL BE NECESSARY (E.G. GROVELINES, AUTE, MULCH, CLEAR PLASTIC COVERS, ETC.).</p> <p>4. BEFORE SEEDING, INSTALL SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DRAINS, SWALES, LEVEL SPREADERS, AND SEEDBED BASINS.</p> <p>5. THE SEED BED SHALL BE FIRM WITH A FAMILY FINE ROLLER, FOLLOWING SURFACE ROUGHENING. PERFORM ALL OPERATIONS ACROSS, OR AT RIGHT ANGLES TO THE SLOPES.</p> <p>6. FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIERS' RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.</p> <p>7. SEED SHALL NOT BE USED IN AREAS SUBJECT TO WEAR BY CONSTRUCTION TRAFFIC.</p> <p>8. APPLICATION IN AREAS OF 10% OR LESS SLOPE FOR A MAXIMUM HORIZONTAL DISTANCE OF 100 FEET. IN STEEPER AREA (10%+ SLOPE), USE MULCH, NETTING, OR OTHER MATERIALS SPECIALLY DESIGNED FOR STEEPER AND LONGER SLOPES.</p>				<p>REVISIONS</p>																					
<p><b>10 SEED MIXTURE FOR EROSION CONTROL</b></p> <table border="1"> <thead> <tr> <th>NAME</th> <th>PROPORTIONS BY WEIGHT</th> <th>PERCENT PURITY</th> <th>PERCENT GERMINATION</th> </tr> </thead> <tbody> <tr> <td>CHEWING OR ANNUAL BLUE GRASS (FESTUCA RUBRA VAR. COMMUTATA OR POA ANNA)</td> <td>40%</td> <td>98%</td> <td>90%</td> </tr> <tr> <td>PERENNIAL RYE (LOULUM PERENNIE)</td> <td>50%</td> <td>98%</td> <td>90%</td> </tr> <tr> <td>REDTOP (AGROSTIS ALBA) OR COLONIAL BENTGRASS (AGROSTIS TENUIS)</td> <td>5%</td> <td>92%</td> <td>85%</td> </tr> <tr> <td>WHITE DUTCH CLOVER (TRIFOLIUM REPENS)</td> <td>5%</td> <td>98%</td> <td>90%</td> </tr> </tbody> </table>				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 (LOULUM PERENNIE)	50%	98%	90%	REDTOP (AGROSTIS ALBA) OR COLONIAL BENTGRASS (AGROSTIS TENUIS)	5%	92%	85%	WHITE DUTCH CLOVER (TRIFOLIUM REPENS)	5%	98%	90%	<p>REVISIONS</p>	
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<p><b>11 STRAW WATTLES NOTES</b></p> <p>1. WATTLES SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 9-14.5(19). INSTALL WATTLES ALONG CONTOURS. INSTALLATION SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 8-01-3(10).</p> <p>2. SECURELY KNOT EACH END OF WATTLE, ABBT ADJACENT WATTLES TIGHTLY, END TO END, WITHOUT OVERLAPPING THE ENDS.</p> <p>3. PILOT HOLES MAY BE DRIVEN THROUGH THE WATTLES AND INTO THE SOIL WHEN CONDITIONS REQUIRE.</p> <p>4. LIV STAKES MAY BE USED FOR PERMANENT INSTALLATION AND SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 9-14.5(16).</p> <p>5. WATTLES SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RAINFALL PRODUCES RUNOFF, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.</p> <p>6. PERFORM MAINTENANCE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 8-01-3(15).</p>				<p>REVISIONS</p>																					
<p><b>12 CONSTRUCTION ENTRANCE NOTES</b></p> <p>1. MATERIAL SHALL BE 4-INCH TO 8-INCH CARRY SPALLS AND MAY BE TOP-DRESSED WITH 1-INCH TO 3-INCH WASHED ROCK.</p> <p>2. THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK. WIDTH SHALL BE THE FULL WIDTH OF THE VEHICLE INGRESS AND EGRESS AREA.</p> <p>3. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.</p> <p>4. IF THE PAD DOES NOT ADEQUATELY REMOVE THE MUD FROM THE VEHICLE WHEELS, THE WHEELS SHALL BE WASHED 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.</p>				<p>REVISIONS</p>																					
<p><b>13 DEMOLITION AND TESC NOTES</b></p> <p>1. SANFORDS, LLC 3 SANFORDS, LLC FACTORY ADDITION 7073 INDUSTRIAL DR. CENTRALIA, WA. 98531 LAKE TAPPS, WA. 98531 JERRY SANFORD, (206) 817-1813</p>				<p>REVISIONS</p>																					
<p><b>14 PROJECT SHEET TITLE</b></p> <p>3 SANFORDS, LLC FACTORY ADDITION 7073 INDUSTRIAL DR. CENTRALIA, WA. 98531 DEMOLITION AND TESC NOTES C1.02 PROJECT NO. 20862</p>				<p>REVISIONS</p>																					

<p>1</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>A</b></p> <p><b>APPROVED BY</b> [Signature] <b>REVISED DATE</b> 06/2007 <b>CITY OF CENTRALIA</b> CITY ENGINEER 2007 Stormwater Drawings</p> <p><b>90-6</b></p> </div> <div style="text-align: center;"> <p><b>APPROVED BY</b> [Signature] <b>REVISED DATE</b> 06/2007 <b>CITY OF CENTRALIA</b> CITY ENGINEER 2007 Stormwater Drawings</p> <p><b>90-6</b></p> </div> <div style="text-align: center;"> <p><b>APPROVED BY</b> [Signature] <b>REVISED DATE</b> 06/2007 <b>CITY OF CENTRALIA</b> CITY ENGINEER 2007 Stormwater Drawings</p> <p><b>4</b></p> </div> </div> <p>APPROVED FOR CONSTRUCTION CITY ENGINEER DATE APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE</p>			
<p>2</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>C1</b></p> <p><b>APPROVED BY</b> [Signature] <b>REVISED DATE</b> 06/2007 <b>CITY OF CENTRALIA</b> CITY ENGINEER 2007 Stormwater Drawings</p> <p><b>90-6</b></p> </div> <div style="text-align: center;"> <p><b>C3</b></p> <p><b>APPROVED BY</b> [Signature] <b>REVISED DATE</b> 06/2007 <b>CITY OF CENTRALIA</b> CITY ENGINEER 2007 Stormwater Drawings</p> <p><b>90-6</b></p> </div> <div style="text-align: center;"> <p><b>D1</b></p> <p><b>APPROVED BY</b> [Signature] <b>REVISED DATE</b> 06/2007 <b>CITY OF CENTRALIA</b> CITY ENGINEER 2007 Stormwater Drawings</p> <p><b>90-6</b></p> </div> </div>			
<p>3</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>D2</b></p> <p><b>APPROVED BY</b> [Signature] <b>REVISED DATE</b> 06/2007 <b>CITY OF CENTRALIA</b> CITY ENGINEER 2007 Stormwater Drawings</p> <p><b>90-6</b></p> </div> <div style="text-align: center;"> <p><b>D3</b></p> <p><b>APPROVED BY</b> [Signature] <b>REVISED DATE</b> 06/2007 <b>CITY OF CENTRALIA</b> CITY ENGINEER 2007 Stormwater Drawings</p> <p><b>90-6</b></p> </div> <div style="text-align: center;"> <p><b>4</b></p> <p><b>APPROVED FOR CONSTRUCTION</b> CITY ENGINEER DATE APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE</p> </div> </div>			
<p>4</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>APPROVALS AS DRAWN AS DATE 06/2007 SCALE 1:640 AS BUILT</p> </div> <div style="width: 30%;"> <p>REVISIONS AS DRAWN AS DATE 06/2007 SCALE 1:640 AS BUILT</p> </div> <div style="width: 30%;"> <p>SEAL sitts &amp; hill CIVIL STRUCTURAL, ARCHITECTURAL, SURVEY 4819 CENTER STREET, TACOMA, WA 98409 PHONE: (253) 474-5449 FAX: (253) 474-5153 http://www.sith.com</p> </div> </div>			







## ONSITE GRADING AND DRAINAGE PLAN

SCALE: 1"=30'

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

12-08-2025

### LEGEND

**PROPOSED FEATURES:**

- SD — STORM DRAIN PIPE
- — TYPE 1 OR CONCRETE INLET CATCH BASIN
- — TYPE 2 CATCH BASIN
- — PERKELFIL CATCH BASIN
- [ ] — INFILTRATION TRENCH
- 180 — CONTOUR MAJOR
- 179 — CONTOUR MINOR
- — — GRADE BREAK
- - - - - DAYLIGHT/CATCH LINE

**GENERAL NOTE**

1. THE BURIED UTILITIES THIS PROJECT ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. THESE MARKINGS DO NOT INDICATE THE EXACT LOCATIONS OF THE UTILITIES. THESE MARKINGS ARE PERFORMED BY SITS & HILL ENGINEERS. CONTRACTOR SHALL MARK ALL UTILITIES COMPARED AND HAVE THEIR LOCATION MARKED ON THE GROUND. CONTRACTOR SHALL MARK ALL UTILITIES, WHETHER THEY ARE EXPOSED OR BURIED. CONTRACTOR WILL PROTECT OR IMMEDIATELY REPAIR ANY DAMAGE TO UTILITIES DISCOVERED ON THIS PROJECT WITHOUT ADDITIONAL COSTS.
2. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITS & HILL ENGINEERS, INC. SEE SITE SURVEY FOR HORIZONTAL AND VERTICAL DATUM.
3. ALL CATCH BASIN GRATES/PLATES TO BE BOLT-DOWN. THESE PLATES ARE TO BE BOLTED TO THE CONCRETE BASE. THESE PLATES ARE TO MATCH CROSS SECTION OF THE FINISHED GRADE AND SUCH THAT NO PONDING OCCURS AROUND UTILITIES GRATES OR COVERS.
4. SPOT ELEVATIONS ARE PROVIDED IN THE PLAN AT THE BOTTOM OF CURB, CURB LOWING, EDGE OF PAVING, EDGE OF CONCRETE, OR BUILDING LINE UNLESS NOTED OTHERWISE.
5. CONTRACTOR SHALL DETERMINE, CALCULATE AND REPORT TO THE ARCHITECT/ENGINEER THE ELEVATION OF THE PLANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FIELD STANDING AND CONSTRUCTION.
6. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MANUFACTURING STORM DRAIN SYSTEMS (EXISTING AND PROPOSED) AND TEST FACILITIES THROUGH THE CONSTRUCTION AND PROJECTION COMPLETION.
7. REFER TO STORM DRAINAGE SYSTEM NOTES ON SHEET C3.02 FOR THE SPECIFICATIONS OF THE STORM SYSTEM ELEMENTS.
8. REFER TO SHEET C3.04 FOR OSTE SYSTEM DRAWDOWN PROFILES.

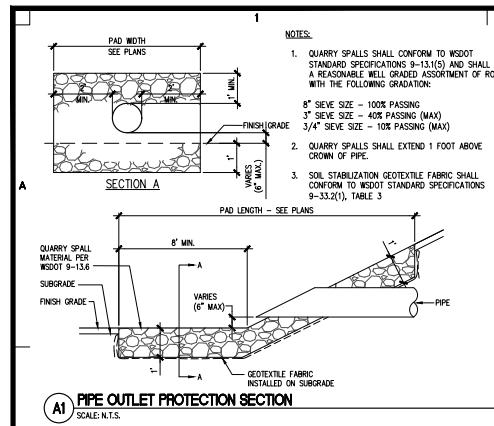
### **KEY NOTE**

- INSTALL STORM DRAIN (SD) OR ROOF DRAIN (RD) PIPE, PIPE SIZE, MATERIAL AND SLOPE PER PLAN CALLOUT. PIPE BEARING PER DETAIL A2/3.02. SEE PROFILE ON C3/03
- INSTALL CATCH BASIN AS NOTED. LOCATION (NORTHING & ELEVATION), DIA, DEPTH AND SIZE, AND GRATE TYPE PER PLAN & PROFILE CALLOUTS. FOR TYPE IF W/ DOWNSTREAM EBOX, SEE APPENDIX A1/3.03
- INSTALL FERTILIZER CATCH BASIN WITH 4-12" CARTRIDGES PER DETAIL C1/3.02
- 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 GRATE. TOPOPENINGS PER DETAIL A1/C3.03. SIZE PER PLAN.
- INSTALL PIPE OUTLET PROTECTION PER DETAIL A1/C3.02
- INSTALL OF BACKFILL AROUND PIPE CROSSING DUE TO LIMITED VERTICAL CLEARANCE (LESS THAN 10"), SEE SPEC FOR LIMITATION ON C3/02

## ABBREVIATIONS

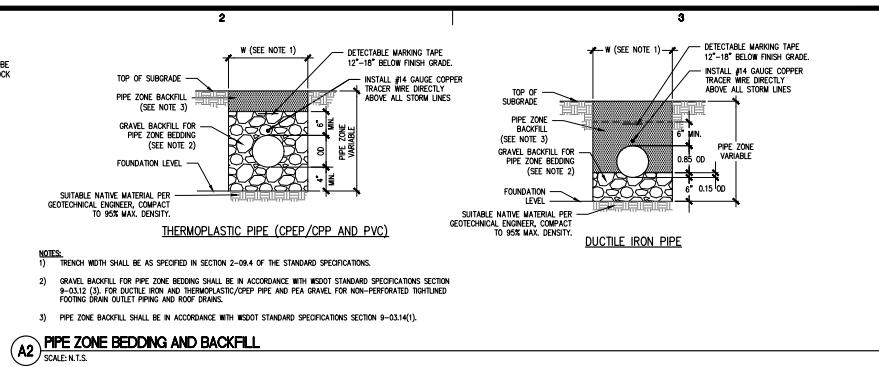
TS TOP OF BOX STRUCTURE/RIM  
 BS BOTTOM OF BOX STRUCTURE (MIN.)  
 TB TOP OF BIOSOIL  
 BB BIORETENTION BOX  
 CB CATCH BASIN  
 CI CONCRETE INLET CATCH BASIN  
 SDCC STORM DRAIN CLEANOUT

PROJECT NO.	3 SANFORDS, LLC	
FACTORY ADDITION		1703 INDUSTRIAL DR, CENTRALIA, WA, 98531
SHEET NO. 1 OF 1		
ON SITE		
GRADING AND DRAINAGE PLAN		
C3.01		
PROJECT NO. 20862		



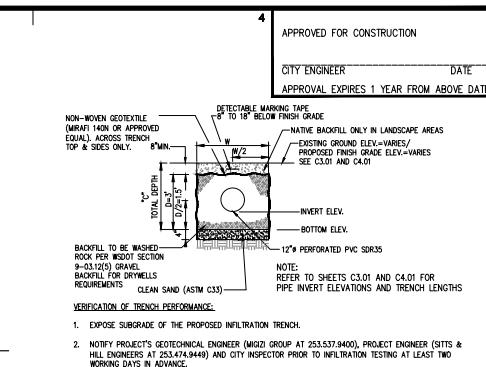
**A1 PIPE OUTLET PROTECTION SECTION**

SCALE: N.T.S.



**A2 PIPE ZONE BEDDING AND BACKFILL**

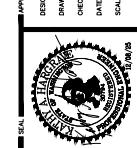
SCALE: N.T.S.



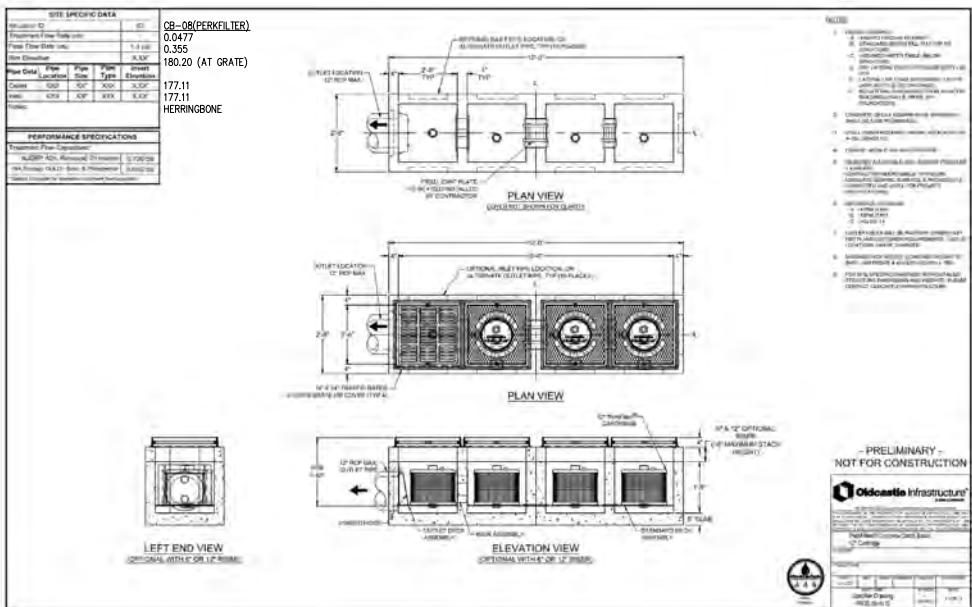
**A4 STORMWATER INFILTRATION TRENCH SECTION**

SCALE: N.T.S.

REVISIONS  
APPROVALS  
APPROVED FOR CONSTRUCTION  
CITY ENGINEER DATE  
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE  
12-08-2023  
12-24-2025  
ADRESSED CITY COMMENTS  
ISSUED FOR PERMIT



**sitts & hill**  
CIVIL STRUCTURAL SURVEY  
4817 CENTER STREET  
TACOMA, WA 98409  
PHONE: (206) 214-5449  
FAX: (206) 214-5453  
http://www.sithill.com



**CB-08 PERKILTER CATCH BASIN (4-12" CARTRIDGES)**

SCALE: N.T.S.

#### ON SITE STORM DRAINAGE SYSTEM NOTES

1. PROVIDE CDF WITH THE FOLLOWING PROPERTIES:
  - NON-SERGATING
  - FREE FLOWING
  - EXCAVATABLE AFTER CURING
  - PROVIDE CLASS A OR B AS SHOWN ON DRAWINGS.
2. PROPORTIONS, PER MACA: THE TABLE BELOW PROVIDES A GUIDELINE FOR CONTROLLED DENSITY FIL. CDF AMOUNTS MAY VARY FROM THOSE SHOWN AS APPROVED BY THE CONSTRUCTION MANAGER.

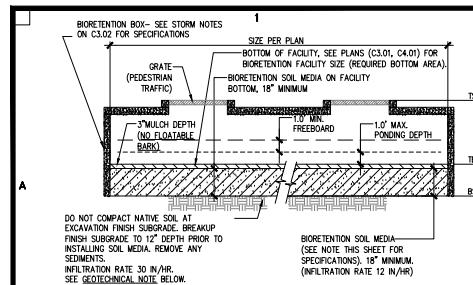
CLASS OF CDF	A	B
MAX. COMPRESSIVE STRENGTH <sup>a</sup>	100	300
USS. PER SQ. IN. (LBS / SQ. FT.)	(14400)	(43200)
MAX. GALLON OF MOING WATER	50	50
USS. OF CEMENT PER CUBIC YARDS	30	50
USS. OF CEMENT ASH PER CUBIC YARDS	200	250
USS. OF GYR. AGGREGATE PER CUBIC YARDS (ASSUMED SPECIFIC GRAVITY 2.67)	200	250
3. MIXING AND DELIVERY: COMPLY WITH ASTM C 94. AGGREGATE REQUIREMENTS: <ul style="list-style-type: none"> <li>- CLASS A - 3/8 INCH MAXIMUM.</li> <li>- CLASS B - 3/4 INCH MAXIMUM.</li> </ul>		
4. REFER TO WSDOT STANDARD SPECIFICATIONS SECTION 2-09.30(E) FOR MORE REQUIREMENTS.		

#### SOIL 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 (LOOSENED) 4 INCHES BELOW AMENDED LAYER, TO PRODUCE 12-INCH DEPTH OF UN-COMPACTED SOIL, EXCEPT WHERE SCARIFICATION WOULD DAMAGE TREE ROOTS OR AS DETERMINED BY THE ENGINEER. SEE NOTE BELOW REGARDING PLANTING STEPS FOR STREET TREES.
3. COMPOST SHALL BE FILLED IN TO 8 INCH DEPTH INTO EXISTING SOIL, OR PLACE 8 INCHES OF COMPOST-AMENDED SOIL PER SOIL SPECIFICATION.
4. PLANTING BEDS SHALL RECEIVE 3 INCHES OF COMPOST FILLED 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.

PROJECT NUMBER: 3 SANFORDS, LLC  
FACTORY ADDITION  
7073 INDUSTRIAL DR. CENTRALIA, WA. 98531  
SHEET NUMBER: C3.02  
ON SITE GRAZING AND DRAINAGE NOTES AND DETAILS  
SHEET NUMBER: C3.02  
PROJECT NUMBER: 20862

**sitts & hill**  
CIVIL STRUCTURAL SURVEY  
4817 CENTER STREET  
TACOMA, WA 98409  
PHONE: (206) 214-5449  
FAX: (206) 214-5453  
http://www.sithill.com

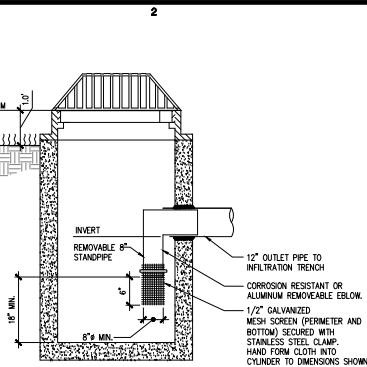


**A1 BIoretention Facility Cross Section**

SCALE: N.T.S.

**A2 TYPE IP CB WITH DOWNTURNED ELBOW AND SCREEN**

SCALE: N.T.S.



**B**

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

REVISIONS  
12-08-2023  
ADRESSED CITY COMMENTS  
12-24-2023  
ISSUED FOR PERMIT

#### BIoretention Soil Media Notes

THE BIoretention SOIL MEDIA (BSM) SHALL MEET THE FOLLOWING STANDARDS:

- \* HAVE A 60-65% MINERAL AGGREGATE COMPONENT BY VOLUME AS SPECIFIED BELOW AND A 35-40% COMPOST COMPONENT BY VOLUME AS SPECIFIED BELOW.
- \* HAVE ORGANIC MATTER CONTENT OF 5-8% BY WEIGHT.
- \* HAVE A CATION EXCHANGE CAPACITY (CEC) GREATER THAN OR EQUAL TO FIVE EQUIVALENTS / 100 G DRY SOIL. REQUIREMENTS ABOVE SPECIFICATIONS DO NOT HAVE TO BE TESTED FOR CEC VALUE; IT IS ASSUMED THE CEC VALUE IS 5 WT.

THE MINERAL AGGREGATE COMPONENT SHALL MEET THE FOLLOWING STANDARDS:

- \* HAVE A MAXIMUM OF 5% FINES WITH AN IDEAL RANGE BETWEEN 2-4% FINES USING ASTM D422.
- \* BE WELL GRADED. ACCORDING TO ASTM D 2487-98, WELL GRADED SAND SHOULD HAVE THE FOLLOWING GRADUATION COEFFICIENTS:

  - \* COEFFICIENT OF UNIFORMITY ( $CU = D60/D10$ ) EQUAL TO OR GREATER THAN FOUR, AND
  - \* COEFFICIENT OF CURVE  $Cc = (D30/2 / D60) \times D10$  EQUAL TO OR GREATER THAN ONE AND LESS THAN OR EQUAL TO THREE.

- \* MEET THE GRADUATION PRESENTED ON THE TABLE BELOW.

BIoretention Soil Mix Aggregate Component Gradation	
AGGREGATE COMPONENT (FOR % BY VOLUME)	
SIZE SIZE	PERCENT PASSING
2"	100
#4	95-100
#8	75-90
#16	70-80
#30	4-10
#50	2-5

COMPOST USED AS A COMPONENT OF THE DEFAULT BIoretention SOIL MIX (BSM) IN BIoretention FACILITIES SHALL MEET THE SPECIFICATIONS BELOW:

MEETS THE DEFINITION OF COMPOSTED MATERIAL IN WAC 173-350-100 AND COMPLIES WITH TESTING PARAMETERS AND OTHER STANDARDS IN WAC 173-350-220.

PRODUCED AT A COMPOSTING FACILITY THAT IS PERMITTED BY THE JURISDICTIONAL HEALTH AUTHORITY.

THE COMPOST PRODUCT MUST ORIGINATE FROM A FEED STOCK THAT CONTAINS A MINIMUM OF 65% BY VOLUME RECYCLED PLANT WASTE COMPRISING OF YARD DEBRIS, CROP RESIDUES AND BULKING AGENTS. THE REMAINDER OF THE FEED STOCK MAY BE UP TO 35% BY VOLUME POST CONSUMER FOOD WASTE. BIOASSAYS ARE NOT ALLOWED. TERMS ARE DEFINED IN WAC 173-350-100.

STABLE (LOW OXYGEN USE AND COD REDUCTION) AND MATURE (CAPABLE OF SUPPORTING PLANT GROWTH) BY TEST SHOWN BELOW. THIS IS CRITICAL TO PLANT SUCCESS IN A BIoretention SOIL MIX.

MOISTURE CONTENT RANGE: NO VISIBLY FREE WATER OR DUST PRODUCED WHEN HANDLING THE MATERIAL.

TESTED IN ACCORDANCE WITH U.S. COMPOSTING COUNCIL TEST METHOD FOR THE EXAMINATION OF COMPOST AND COMPOSING (TMCC), AS ESTABLISHED IN THE COMPOSTING COUNCIL'S SEAL OF TESTING ASSURANCE (STA) PROGRAM. BE FINE COMPOST MEETING THE FOLLOWING SIDE GRADUATION (BY DRY WEIGHT) WHEN TESTED IN ACCORDANCE WITH TMCC TEST METHOD 02.02B, SAMPLING SIEVING FOR AGGREGATED SIZE CLASSIFICATION:

SIZE SIZE	MINIMUM PERCENT PASSING
2"	90
#4	99
#8	90
#16	75

PH BETWEEN 6.0 - 8.5 (TMCC 04.11-A).

PHYSICAL CONTAMINANTS (AS DEFINED IN WAC 173-350-100) CONTENT LESS THAN 1% BY WEIGHT (TMCC 03.08A) TOTAL, NOT TO EXCEED 0.25 PERCENT FILM PLASTIC BY DRY WEIGHT.

MINIMUM ORGANIC MATTER CONTENT OF 40%  $d5/d10$  (mmhos/cm) (TMCC 04.10-A ELECTRICAL CONDUCTIVITY, 1.5 SLURRY METHOD, MASS BASIS).

MATURITY INDICATORS FROM A CUCUMBER BIOASSAY (TMCC 05.05-A SEEDING EMERGENCE AND RELATIVE GROWTH) MUST BE GREATER THAN 80% FOR BOTH EMERGENCE AND VGR.

STABILITY OF  $7m \text{ CO}_2 - C/g \text{ OM/DAY}$  OR BELOW (TMCC 05.08-B CARBON DIOXIDE EVOLUTION RATE).

CARBON TO NITROGEN RATION (TMCC 05.02-A CARBON TO NITROGEN RATIO), WHICH USES 0.401 ORGANIC CARBON AND 0.402-0.500 TOTAL NITROGEN, OVER A 100:1 RATIO AND 25:1. THE C:N RATIO MAY BE UP TO 30:1 FOR PLANTING COMPOST DUSTERS OF PLANTING SOIL AND LOCAL NATIVE SPECIES AND UP TO 40:1 FOR COARSE COMPOST TO BE USED AS A SURFACE MULCH (NOT IN A SOIL MIX).

PRE-APPROVED BIoretention SOIL MEDIA.

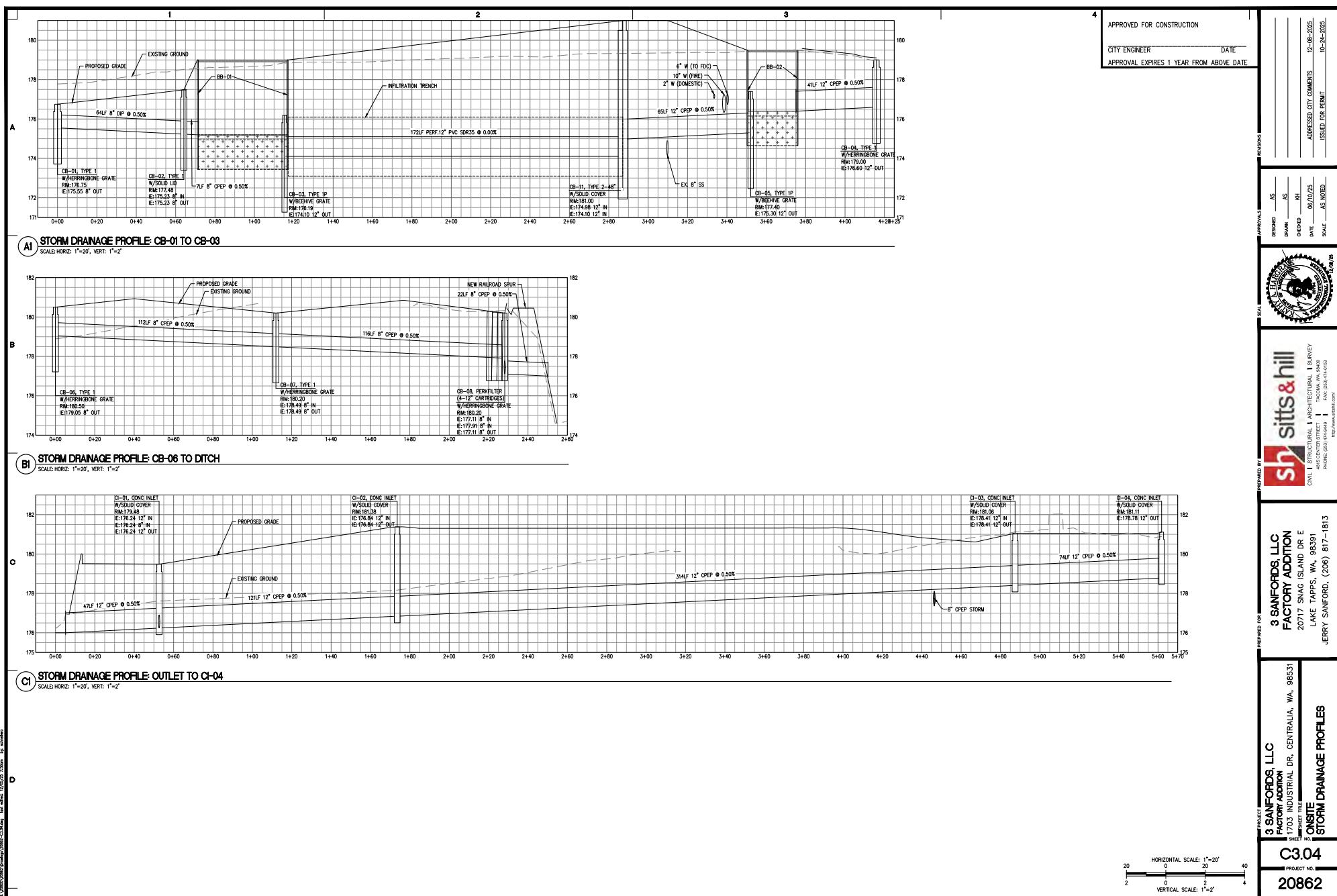
CEDARROVE BIoretention SOIL MIX - 18" MIN. DEPTH.

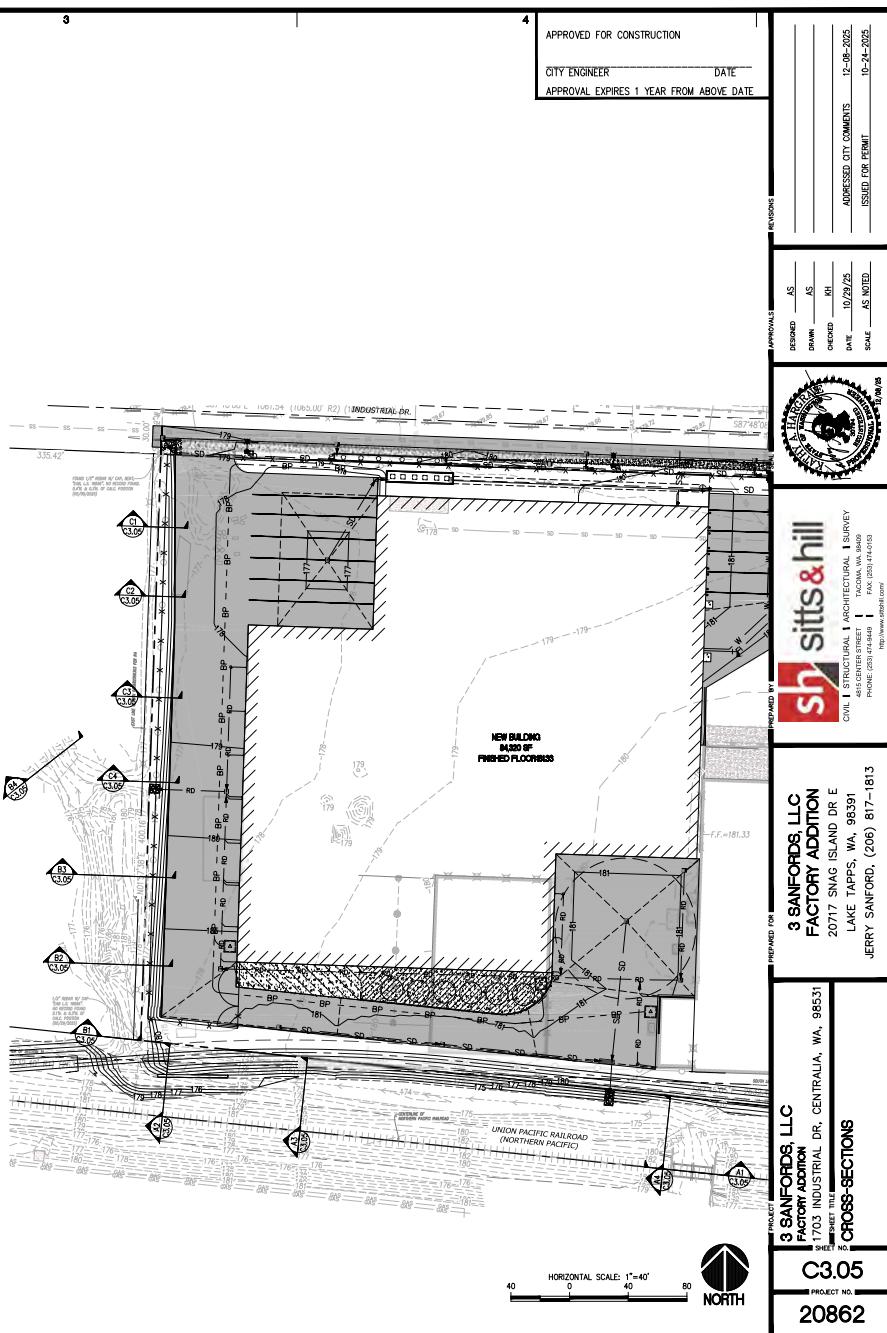
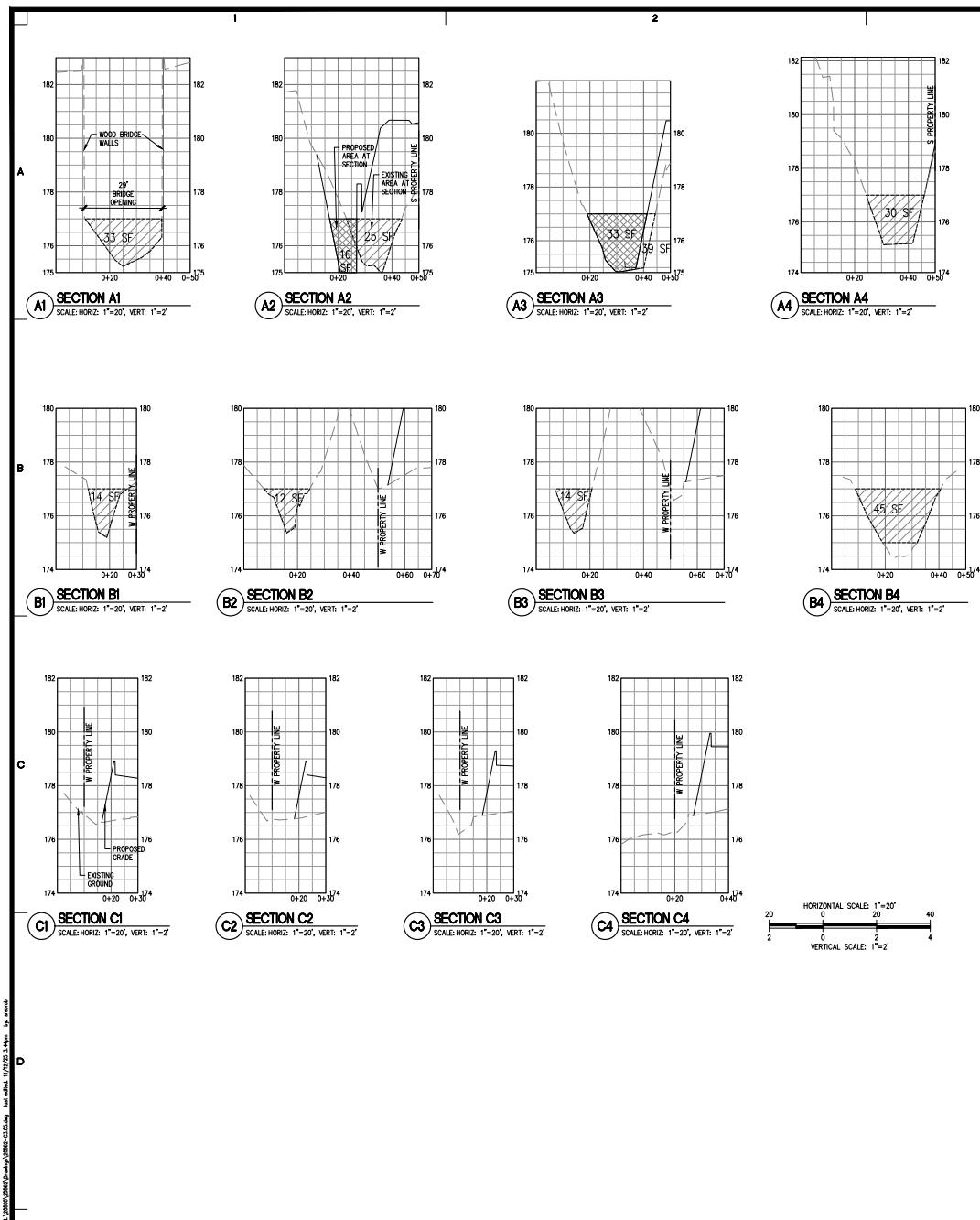
BIoretention AREA MULCH: BIoretention SOIL SHALL BE COVERED WITH 3 INCHES OF CLEAN WOOD CHIP MEETING THE FOLLOWING PARTICLE SIZE SPECIFICATION IN ALL AREAS WHERE SLOPES ARE LESS THAN 20%.

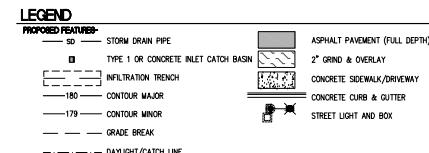
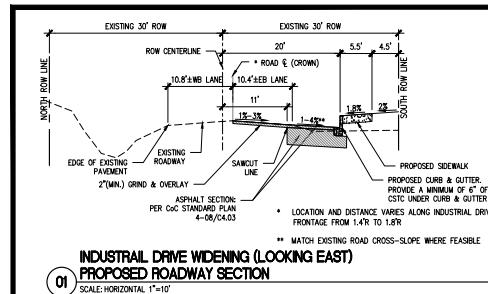
SIZE SIZE	PERCENT PASSING
2"	100
1"	70-100
5/8"	90
1/4"	0-40

CONTRACTOR SHALL NOTIFY THE ENGINEER TO INSPECT EACH BIoretention CELL PRIOR TO PLACEMENT OF WOOD CHIP MULCH. IF ANY SEDIMENT-LADEN RUNOFF HAS ENTERED THE CELL, THE CONTRACTOR SHALL REMOVE THE TOP 3 INCHES OF BIoretention SOIL AND REPLACE WITH BIoretention SOIL AT THE CONTRACTOR'S EXPENSE.

PROJECT NO.	3 SANFORDS, LLC	FACTORY ADDITION	PREPARED FOR
SH	CIVIL STRUCTURAL, SURVEY	4817 CENTER STREET	LAKE TAPPS, WA 98021
PROJECT NO.	7073 INDUSTRIAL DR.	FACTORY ADDITION	TACOMA, WA 98409
SH	PHONE: (206) 214-1553		FAX: (206) 214-1553
SH	http://www.sanford.com		
SH	PROJECT NO.	3 SANFORDS, LLC	FACTORY ADDITION
SH	SH	FACTORY ADDITION	PREPARED FOR
SH	PROJECT NO.	C3.03	NOTES AND DETAILS
SH	SH	7073 INDUSTRIAL DR.	FACTORY ADDITION
SH	SH	FACTORY ADDITION	PREPARED FOR
SH	SH	C3.03	NOTES AND DETAILS
SH	SH	PROJECT NO.	20862







#### GENERAL NOTES

1. THE BURIED UTILITIES ON THIS PROJECT ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITIES & HILL THE CONTRACTOR WILL NOTIFY ALL UTILITY COMPANIES AND HAVE THE LOCATION MARKED ON THE GROUND PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PROTECT OR MARK OFF ANY DAMAGE TO UTILITY DISCOVERED ON THIS PROJECT AT ADDITIONAL COSTS.
2. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITTS & HILL ENGINEERS; INC. SEE SHEET SYLD FOR HORIZONTAL AND VERTICAL DATUM.
3. ALL CATCH BASIN GRATES AIDS 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.
4. 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 ON THE PLAN.
5. CONTRACTOR AND/OR SUPERVISOR SHALL CALCULATE PIPE SIZES BASED ON THE MESH ELEVATION ON THE PLANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FIELD STANDING AND CONSTRUCTION.
6. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAINTAINING ALL STORM SYSTEMS (EXISTING AND PROPOSED) AND TES FACILITIES THROUGH THE CONSTRUCTION AND PROJECT COMPLETION.
7. COORDINATE LOCATION OF STREET LIGHT METER WITH CENTRALIA CITY LIGHT.

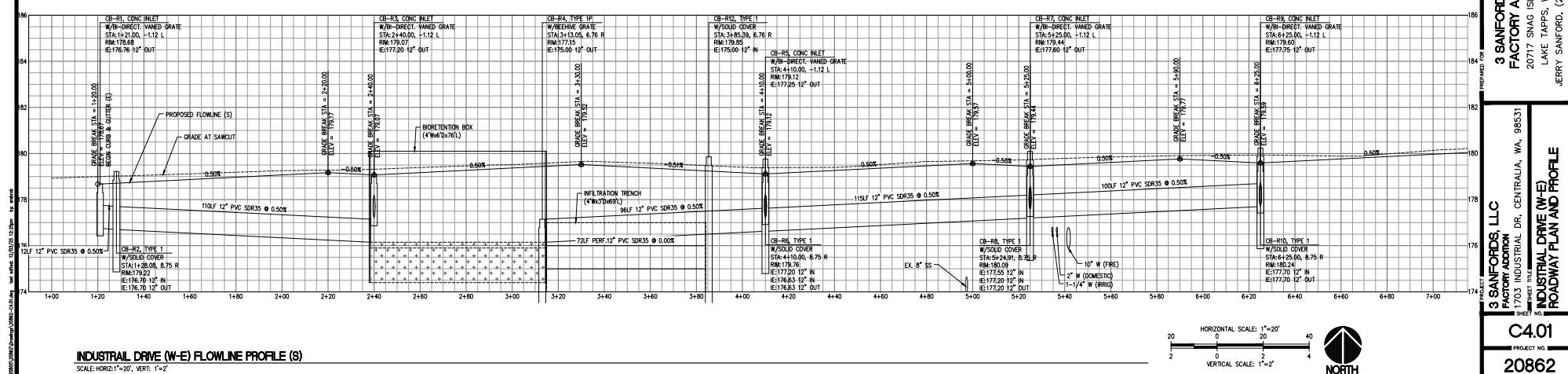
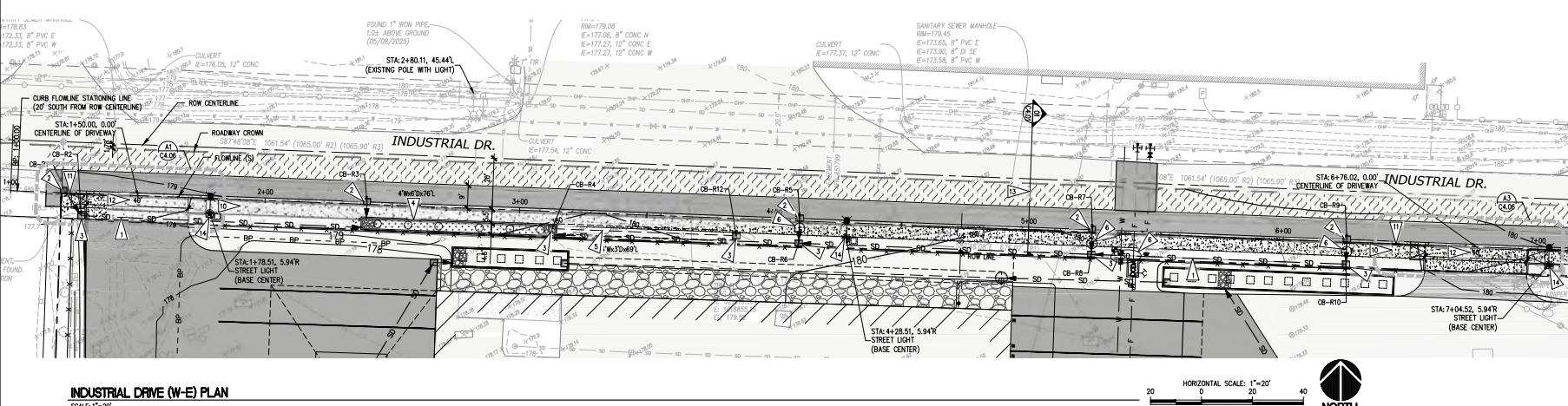
## STORM DRAINAGE KEY NOTES

- INSTALL STORM DRAINAGE PIPE. PIPE SIZE, MATERIAL AND SLOPE PER PLAN/PROFILE CALLOUT. PIPE BENDING PER DETAILS A/3.032
- INSTALL CONCRETE INLET CATCH BASIN AT LOCATION (STATION & OFFSET). RM, INVERT AND GRATE PER PROFILE CALLOUT. SEE GENERIC STANDARD PLAN 9-C/1.04
- INSTALL TEE 1 CATCH BASIN AT LOCATION (STATION & OFFSET). RM, INVERT AND GRATE/COVER TYPE PER PROFILE CALLOUT. SEE GEN. STANDARD PLAN 9-C/1.04/CA04
- INSTALL BOREHOLE BOX PER DETAIL A/1/C3.03. SIZE PER PLAN AND PROFILE
- INSTALL INFILTRATION TRENCH PER DETAIL BA/C3.02. SIZE PER PLAN AND PROFILE. PROVIDE "SPECIFICATION OF TRENCH PERFORMANCE" AS NOTED ON BY A/3.032
- INSTALL COP BACKFILL AT PIPE CROSSING WITH LIMITED CLEARANCE (LESS THAN 18"). SEE C3.02 FOR COP SPECIFICATIONS.

APPROVED FOR CONSTRUCTION

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

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

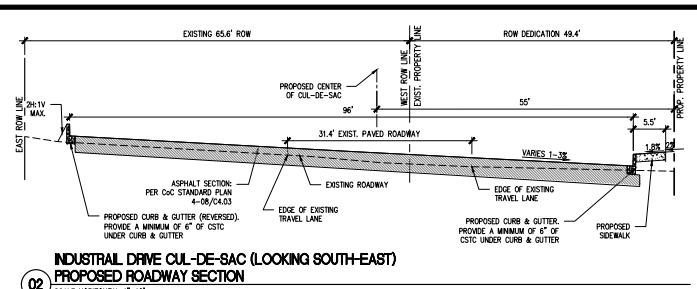
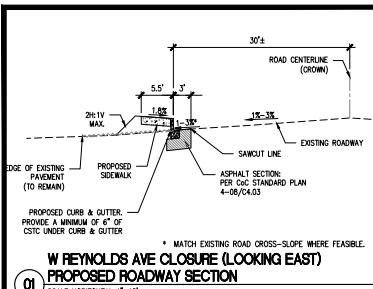


### INDUSTRIAL DRIVE (W-E) FLOWLINE PROFILE (S)

SCALE: HORIZONTAL 1" = 20' VERT: 1" = 2'

PROJECT: 3 SANFORDS, LLC  
FACTORY ADDITION  
1703 INDUSTRIAL DR., CENTRALIA, WA  
SHEET 1 TITLE E  
INDUSTRIAL DRIVE (W-E)  
ROADWAY PLAN AND PROFILE

1 SHEET NO. 1  
C4.01  
PROJECT NO. 20862



## GENERAL NOTES

1. THE BURIED UTILITIES ON THIS PROJECT ARE SHOWN IN THEIR APPROXIMATE LOCATION. THERE MAY BE CHANGES IN THE EXACT LOCATION, DUE TO THE EXCAVATION AND RELOCATION. CONTACT ALL UTILITIES COMPANIES AND HAVE THEIR LOCATION MARKED ON THE GROUND PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL PRIORITIZE EXCAVATION, REPAIR, AND RELOCATE UTILITIES AS THEY ARE DISCOVERED ON THIS PROJECT WITHOUT ADDITIONAL COSTS.
2. BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THE SITE WAS PREPARED AND PROVIDED BY SITES & ENGINEERS, INC. SEE SHEET SYL01 FOR HORIZONTAL AND VERTICAL DATA.
3. ALL CATCH BASIN GRATES/ADS TO BE TOLLED-DOWN, THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE CATCH BASIN COVERS, THE SLOPES OF THE DRAINED RAD and SO THAT NO PONDING OCCURS AROUND UTILITY GRATES OR COVERS.
4. SPOT ELEVATIONS ARE PROVIDED ON A PLAN AT THE BOTTOM OF CURB, CURB FLOWLINE, EDGE OF PAVEMENT, EDGE OF CONCRETE, OR BUILDING FACE UNLESS NOTED OTHERWISE.
5. CONTRACTOR AND/OR SURVEYOR TO COLLECT PLATE PINE SLOPES AND OTHER SURFACE DATA SHOWN ON THE PLANS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO FIELD STAKING AND CONSTRUCTION.
6. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAINTAINING EXCAVATED AREAS UNTIL THE PROJECT IS COMPLETED AND TESTED. FACILITIES THROUGH THE CONSTRUCTION AND PROJECT COMPLETION PHASES.

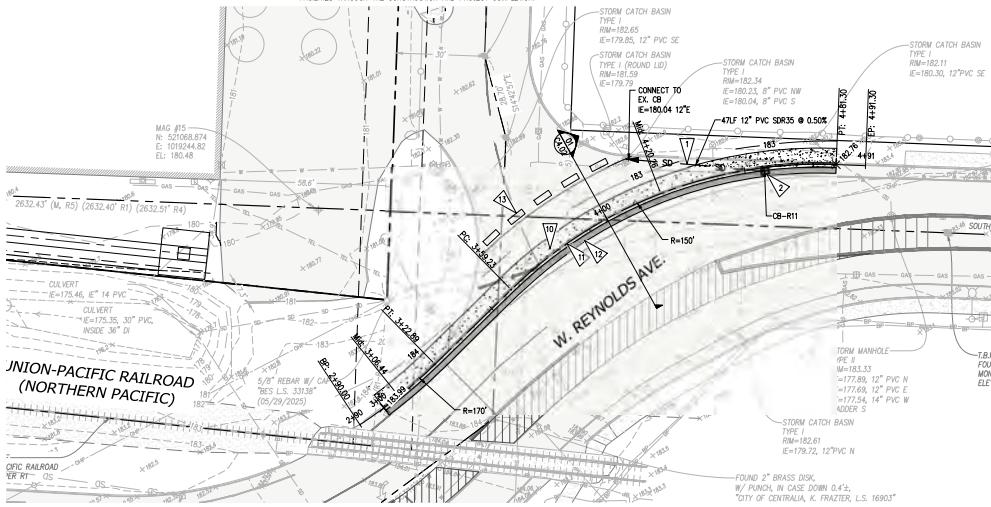
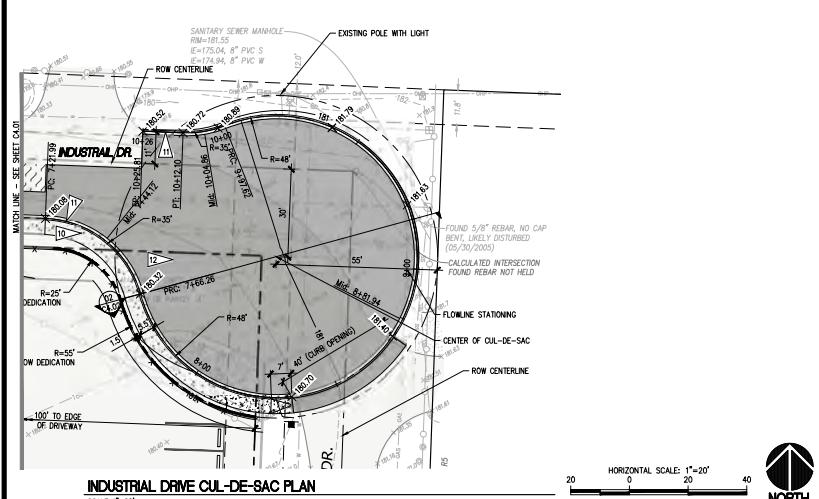
## STORM DRAINAGE KEY NOTES

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

APPROVED FOR CONSTRUCTION

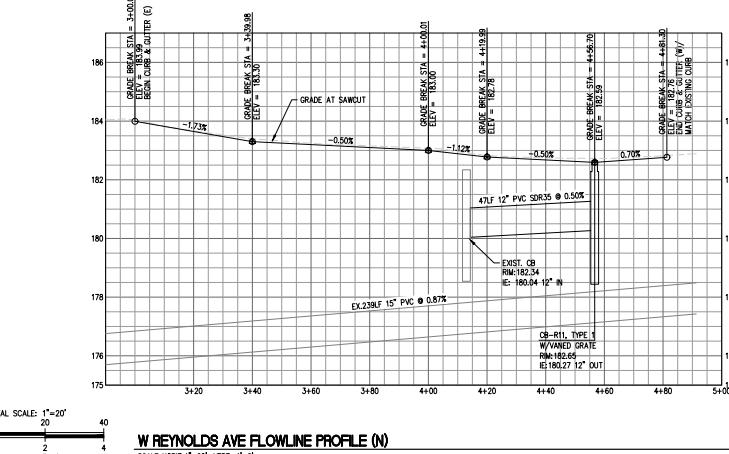
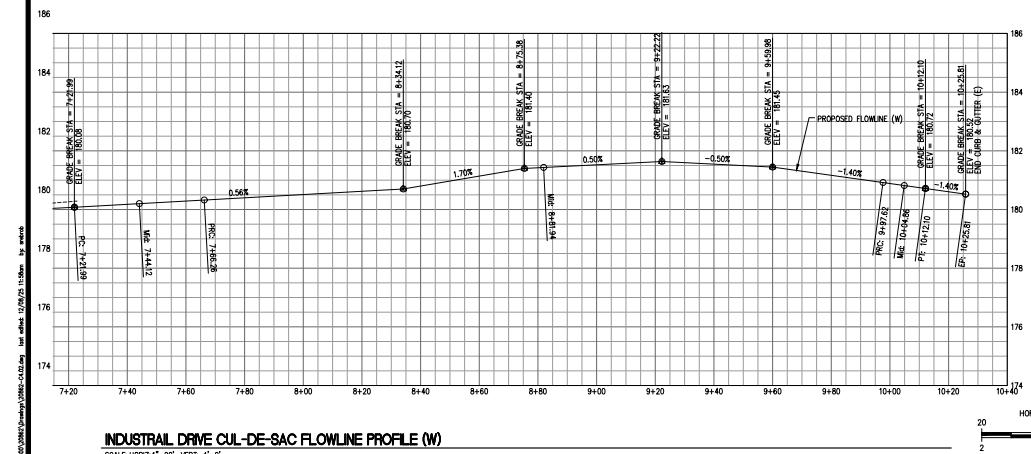
DATE

12-08-2025  
10-24-2025



### W REYNOLDS AVE PLAN

SCALE: 1" = 20'







**STREET LIGHT CONSTRUCTION  
GENERAL NOTES**

10. General concrete blocks are shown in Centralia Standard Drawing 7-01, Centralia Standard Drawing 7-02, Centralia A and B shown. Slope of 10% required.
11. Refer to Centralia Standard Drawing 7-01, 7-02, and 7-005 for typical street light fixture locations.
12. Any modification of approved street lights by the licensed engineer and/or stamped, shall be reviewed and approved by the City prior to installation.
13. Street light luminaires will be formed with "MT" Day Schedule.

\* NOTE: When ordering from Luminart, specify that the order is for the City of Centralia.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
		STREET LIGHT CONSTRUCTION GENERAL NOTES	
CITY ENGINEER	06/2005		
2005 Standard Drawing			2 of 2

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

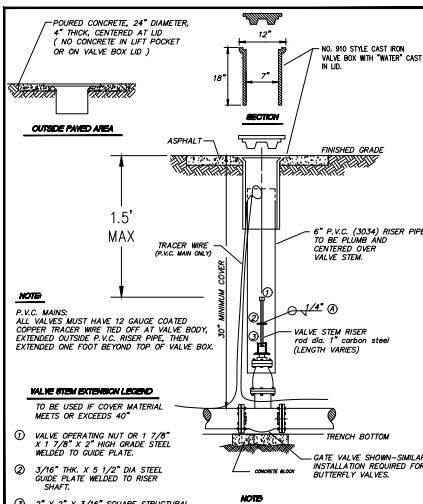
ADDRESSED CITY COMMENTS	12-08-2025
ISSUED FOR PERMIT	10-24-2025

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	2012 PLANS NO.
CITY ENGINEER	08/2017	LUMINAIRE WIRING	7-02
2012 Standard Drawings			

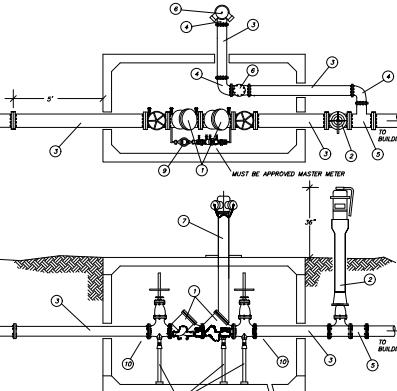
PROJECT NO.	3 SANFORDS, LLC
FACTORY ADDITION	1703 INDUSTRIAL DR, CENTRALIA, WA, 98531
STREET NAME	STREET LIGHTS
NOTE NO.	NOTES AND DETAILS
C4.05	
PROJECT NO.	
20862	





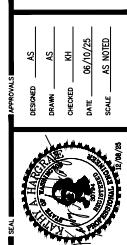
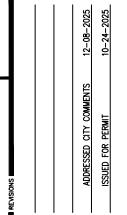


APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	08/2020	STANDARD VALVE BOX	2-09
2022 Standard Drawings			



INSTALLATION CLEARANCE 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

<p>Check box if you want this copy to be revised and different from the original to reflect the revision of this plan.</p>			
APPROVED BY	REVISED DATE	<b>CITY OF CENTRALIA</b>	
CITY ENGINEER	08/2007	<b>DOUBLE CHECK DETECTOR ASSEMBLY W/FIRE DEPARTMENT CONNECTION</b>	
2022 Standard Drawings		STD. PLAN NO. <b>2-14</b> <b>2 of 2</b>	





<b>SANITARY SEWER MAIN INSTALLATION GENERAL NOTES</b>		
<p>1. A pre-construction conference must be held with the City prior to start of construction.</p> <p>2. Underground utilities shown are for the convenience of the contractor only. It is the contractors responsibility to use the "one-call" telephone (1-800-424-5555) 48 hours before construction is started.</p> <p>3. All materials and construction shall be in accordance with the current edition of the Uniform Building Code specifications for roads, bridges and municipal construction and City of Centralia standards.</p> <p>4. Erosion control measures shall be taken during construction to prevent siltation of existing and proposed waterways.</p> <p>5. Pipe for sewer lines shall conform to Section 7-12 of the current standard specifications for road, bridge and municipal construction published jointly by WSDOT and the State Chapter of ASCE and one of the following:</p> <ul style="list-style-type: none"> <li>a. 1515 standard iron pipe conform to Section 20-0.13 and ANSI A21.51 or ASME A21.51 standard iron pipe conform to Section 20-0.13 and ANSI A21.51.</li> <li>b. Polyvinyl chloride (PVC) pipe shall conform with the provisions of WSDOT Section 7-12.</li> </ul> <p>6. The end of each pipe shall be marked with a 2x4 wooden stake four feet long (minimum) buried in the ground a depth of 12 inches (300 mm).</p> <p>7. All laterals shall be laid at 25 minimum except where noted. 6" pipe to property line laterals must be provided to all appropriate properties.</p> <p>8. All laterals shall be connected to manholes with a manufactured wye or wye soddled tap unless otherwise specified by the City Engineer. Lines 12-inch or larger and high flow lines may use wye soddled taps with permission of the City.</p> <p>9. Layout and construction staking will be done by a design engineer or a licensed land surveyor. All vertical control shall be established using the 1988 USGS Datum.</p> <p>10. All new manholes shall be sixty inches (60") in diameter, type 1 manholes unless otherwise specified by the City.</p> <p>11. Low pressure air test is required on all new sanitary sewer lines (including laterals). Testing shall be per ASCE specifications and witnessed by the City.</p> <p>12. A vacuum test is required on new manholes and altered manholes.</p> <p>13. Schedule of tests with the City Engineer and two (2) working days advance notice.</p> <p>14. A copy of the inspection report of the sewer main shall be provided to the City along with the inspection report prior to final acceptance.</p> <p>15. As-built drawings shall be submitted to the City prior to final acceptance.</p> <p>16. All necessary assessments must be recorded before final acceptance.</p> <p>17. The contractor is to notify the City (2) working days prior to the start of construction. All materials must be submitted and approved prior to use.</p> <p>18. A manhole and clean-out assembly detail shall be submitted prior to construction for the City's approval.</p> <p>19. On all main extensions, a lateral shall be installed from the main to the right-of-way for the property owner to connect to the main. The lateral shall be the responsibility of the extender. The actual locations shall be approved by the City of Centralia and adjacent property owners prior to construction.</p>		
APPROVED BY	REVISED DATE	<b>CITY OF CENTRALIA</b>
		<b>SEWER MAIN INSTALLATION GENERAL NOTES</b>
CITY ENGINEER	05-2023	1012
2022 Standard Drawings		

**SIDE SEWER REGULATIONS (Ord. 2021)**  
**GENERAL NOTES**

- Any work, including installation, replacement and repair, on the sanitary side sewer requires an application for a permit. This must be obtained - in advance of the work - from the City Utilities building of 1100 N. Main Street.
- Inspection permits:
  - **Residential:** \$50.00
  - **Single-family dwelling:** \$50.00
  - **Commercial/Industrial:** \$100.00
  - **Alteration, repair and abandonment of existing lateral:** \$100.00
  - **Alteration, repair and abandonment of existing lateral:** \$100.00
  - **After hours or holiday inspection:** \$100.00
  - **High pressure test:** \$100.00
  - **Grinder pump connection:** \$100.00
  - **Grinder pumps commercial or industrial connection:** \$150.00
- For inspection, the work must be done between 7:00 AM - (360) 330-7121. Inspections will be made between 7:00 AM - Noon and 1:00 PM - 3:00 PM.
- "Side Sewer"** means that part of the horizontal piping of a drainage system which extends from the end of the building drain and which receives the discharge of the building drain and conveys it to a public sewer, private sewer, individual sewage disposal system or other point of disposal.
5. cost and expense of inspection to the Inspector, including travel, operation and maintenance and any other expense incurred by the owner.
- Pipes acceptable for side sewers: **polyvinyl chloride (PVC) ASTM D-3030, SP-35, cast iron soil pipe, federal spec. WPE-401; ductile iron, ANSI A21.25, thickness class 51.** Not acceptable for side sewer: block ABS pipes, glued joint pipes, glued fittings.
- Side sewer for single family dwellings shall not be less than 4" diameter from dwelling to property line. Side sewer for property line to public sewer at multiple family, commercial and industrial side sewer lines shall not be less than 6" diameter between moth and building. Each building must have a separate side sewer.
- No 90 degree bends allowed.
- A cleatment is required within 36' of all buildings and at intervals of not more than 100 feet. Cleatments shall be made in the direction of the flow of the sewer. If the side sewer or main sewer is paved in paved areas, cleatments shall be extended flush with surface and plugged with an expandable threaded metal plug. Lotards shall be straight between cleatments.
- Bookwater valves - The Uniform Plumbing Code requires bookwater valves on building sewer lines and main sewer lines. Bookwater valves are required to be installed. Bookwater valves, when they are installed, must be located within the building footprint upstream of the cleatment. The city is not responsible for their installation, maintenance, or operation.
11. Lateral piping for side sewers shall be not less than 1/4" per foot for 4" pipe and 1/8" per foot for 6" pipe. Lateral piping shall be in contact with and parallel to the soil material. Alignment of both vertical and horizontal shall be straight and true.
12. Minimum cover for side sewers shall be 18" on private property.
13. Side sewer shall be air or water tested for their entire length. Inspection of the test must be witnessed by a licensed Public Works employee before backfilling(see#3). (See paragraph 16.10.240, ordinance 2021 for details.)
14. Contractor shall provide 24 hours notice when requesting inspection.

Any questions regarding the above regulations may be directed to the Public Works Office (360) 330-7512

APPROVED BY	REVISED DATE	<b>CITY OF CENTRALIA</b>	
CITY ENGINEER	09-2023	<b>SEWER MAN INSTALLATION GENERAL NOTES</b>	
2022 Standard Drawings		2 OF 2	

3

STREET SURFACE

SEE TRENCH EXCAVATION DETAIL

MANUFACTURED W/ FOR NEW MAIN LINE OR FOR RELOCATE AND SCAFFOLD FOR EXISTING MAIN LINE. NOT APPROVED. SEE NOTE 5

SEWER MAIN

BEDDING MATERIAL

VARIES

PROPERTY LINE

1/2" MIL. DIA. PIPE TO PROP. LINE

1/2" MIL. DIA. PIPE TO PROP. LINE

45° MIN.

1/2" MIL. DIA. PIPE TO PROP. LINE

NOT APPROVED

SEE NOTE 5

NOTES

1. Refer to the **WSDOT Standard Specifications for Pipe Lateral Services** in Section 7-10.
2. Refer to Standard Detail 4-0-0, 4-0-2 and 4-0-3 for pipe cone bedding and backfill materials.
3. Bedding and grade shall be established prior to pipe being placed in trench.
4. Refer to W.S.D.O.T. Standard Specifications Section 7-08(X) for pipe bedding requirements.
5. Lateral connections shall be installed as a separate project and not allowed without prior approval by the City Engineer.

APPROVED BY

CITY ENGINEER

REVISED DATE

09-2022

CITY OF CENTRALIA

SANITARY SEWER LATERAL SERVICE CONNECTION

2022 Standard Drawings