

SEC. 18, T18N., R1W., W.M.

INTERCITY TRANSIT - PATTISON SOUTH PARCEL

HYDROGEN INTERIM FUELING & STORAGE

SCHEMATIC DESIGN

526 PATTISON ST. SE

OLYMPIA, WASHINGTON 98501

OWNER / APPLICANT

INTERCITY TRANSIT
526 PATTISON ST SE
OLYMPIA, WA 98501
PHONE: 360.705.5833
CONTACT: STEVE KRUEGER

CONSULTANTS

SCJ ALLIANCE
8730 TALLON LANE NE, SUITE 200
LACEY, WA 98516
PHONE: 360.352.1465
CONTACT: BILL DUNNING, P.E.

ARCHITECT:
STANTEC ARCHITECTURE, INC.
1050 11TH STREET SUITE A200
DENVER, CO 80265-0845
PHONE: 303.575.8430
CONTACT: ERIC WOOD

ELECTRICAL:
STANTEC CONSULTING SERVICES, INC.
4100 194TH STREET SW, SUITE 400
SEATTLE, WA 98036-4613
PHONE: 206.424.3619
CONTACT: SHANNON ENGLISH

LIGHTING:
STANTEC CONSULTING SERVICES, INC.
999 18TH STREET SE, SUITE 202
DENVER, CO 80202
PHONE: 303.575.8440
CONTACT: ANNA ZUERCHER

MECHANICAL:
STANTEC CONSULTING SERVICES, INC.
720 THIRD AVE, SUITE 1500
SEATTLE, WA 98104-1878
PHONE: 206.494.5036
CONTACT: ANTHONY BETTRIDGE

STRUCTURAL:
LUND OPSAHL
1201 FIRST AVENUE S, SUITE 310
SEATTLE, WA 98134
PHONE: 206.402.5156
CONTACT: MARJORIE LUND

CONSULTANTS

SURVEYOR:
KPFF
612 WOODLAND SQUARE LOOP SE
LACEY, WA 98503
PHONE: 360.282.7230
CONTACT: JEROME CHAPMAN, PLS

GEOTECH:
GEOENGINEERS
1101 SOUTH FAWCETT AVENUE, SUITE 200
TACOMA, WA 98402
PHONE: 253.722.2446
CONTACT: DENNIS THOMPSON

UTILITIES

SEWER/STORMWATER/WATER:
CITY OF OLYMPIA
CONTACT: TIFFANI KING
PH: 360.753.8257

GAS:
PUGET SOUND ENERGY
CONTACT: CHERYL PARAS
PH: 253.476.6300

POWER:
PUGET SOUND ENERGY
CONTACT: RYAN WALSH
PH: 360.357.6833

CABLE/TELEPHONE:
CENTURYLINK
CONTACT: MICHELLE PALMER
PH: 360.956.7692

CABLE/TELEPHONE:
COMCAST
CONTACT: MARK TORRES
PH: 360.357.1230

BROADBAND:
WAVE
CONTACT: KLAYTON PIKE
PH: 425.229.3503

SITE ADDRESS:

526 PATTISON ST. SE
OLYMPIA, WA, 98501

SITE INFORMATION

PARCEL NUMBER: 34202500100
ACRES: ±7.00

LEGAL DESCRIPTION:

SECTION 18 TOWNSHIP 18 RANGE 1W QUARTER NE SW
PLAT BERRY FARMS TR 25 DOCUMENT 008/028

BASIS OF BEARINGS:

WASHINGTON STATE PLANE COORDINATES, NORTH ZONE 4601,
NAD 83/91. PER CITY OF OLYMPIA CONTROL POINTS #1035
AND #8017.

DATUM:

NAVD 88, CONTRACTOR TO VERIFY VERTICAL DATUM
WITH TIES TO LOCAL SITE CONTROL AND TOPOGRAPHY.

SHEET LIST INDEX		
SHEET NO	SHEET TITLE	SHEET DESCRIPTION
1	CV-01	COVER SHEET
2	UT-01	OVERALL SITE PLAN
3	UT-02	HYDROGEN INTERIM FUELING & STORAGE PLAN



SCJ ALLIANCE
CONSULTING SERVICES

8730 TALLON LANE NE, SUITE 200, LACEY, WA 98516
P: 360.352.1465
SCJALLIANCE.COM

SHEET TITLE:

COVER SHEET

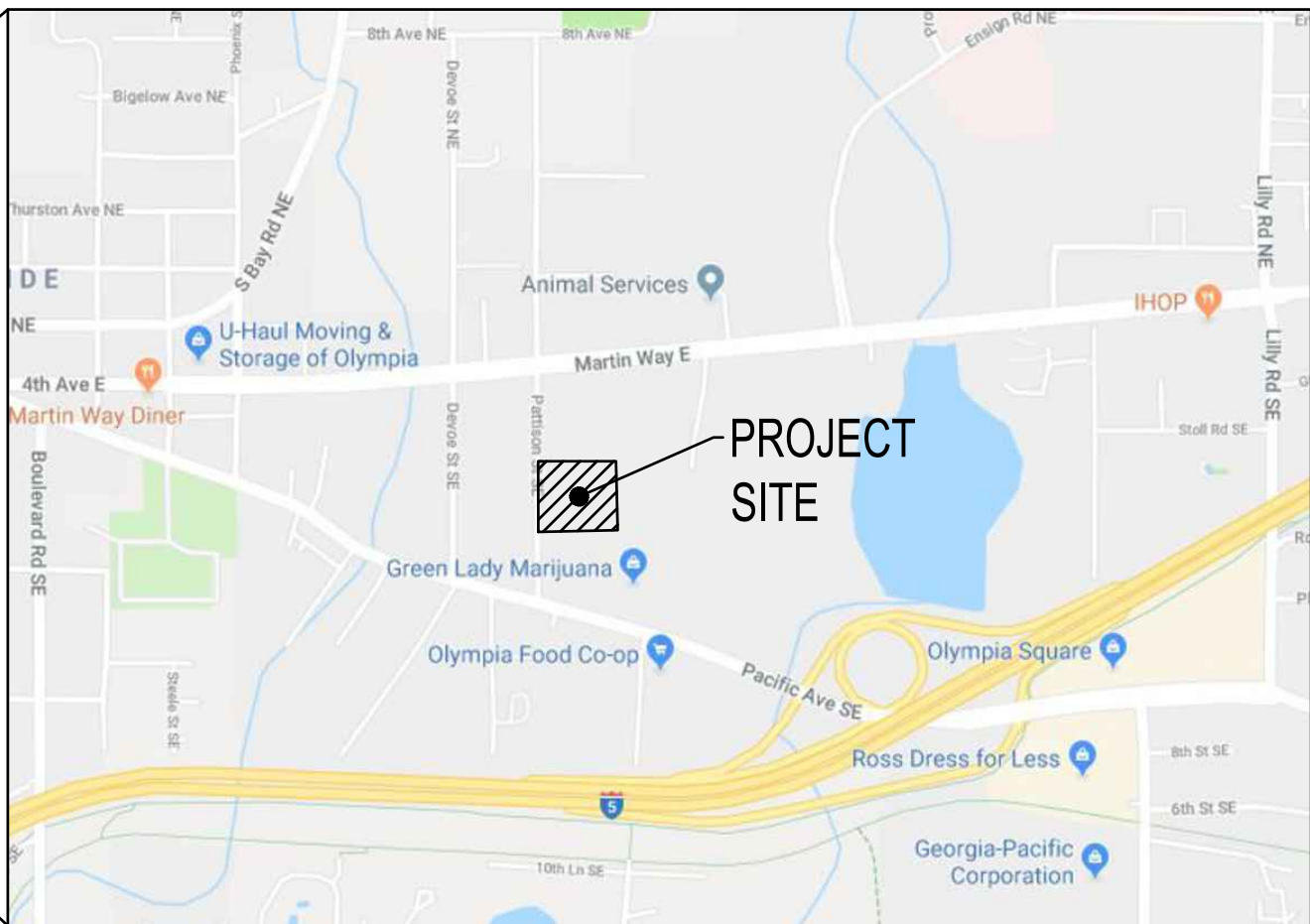
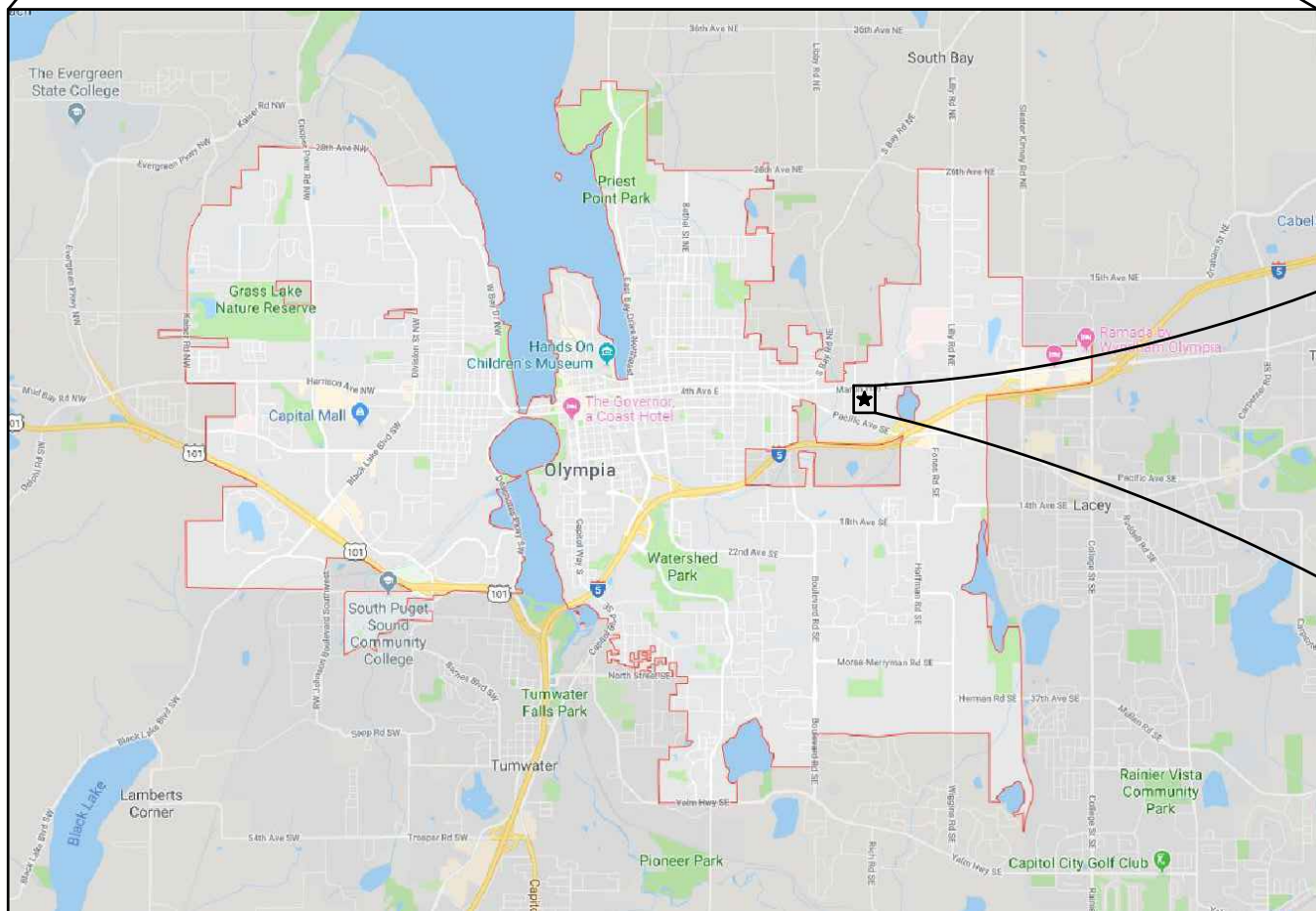
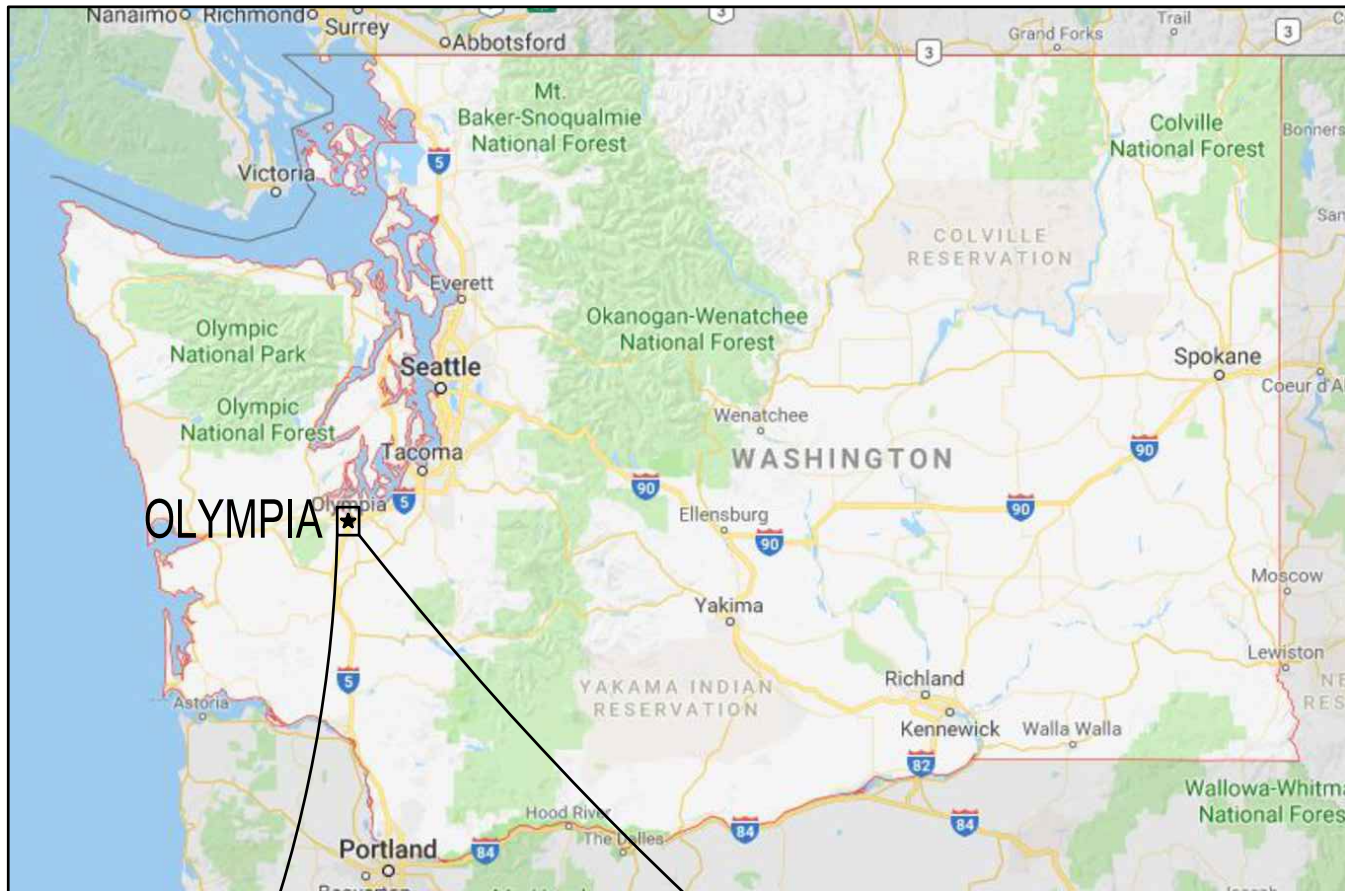
PROJECT NAME:

INTERCITY TRANSIT
HYDROGEN INTERIM FUELING & STORAGE
OLYMPIA, WA

NOT FOR
CONSTRUCTION

DESIGNER:	C. BUCKLEY
DRAWN BY:	K. GANS
APPROVED BY:	B. DUNNING
DATE:	OCTOBER 2025
JOB NO:	1874.07
DRAWING FILE NO:	1874.07 CV-01 (H)
DRAWING NO:	CV-01
SHEET NO:	1 OF 3

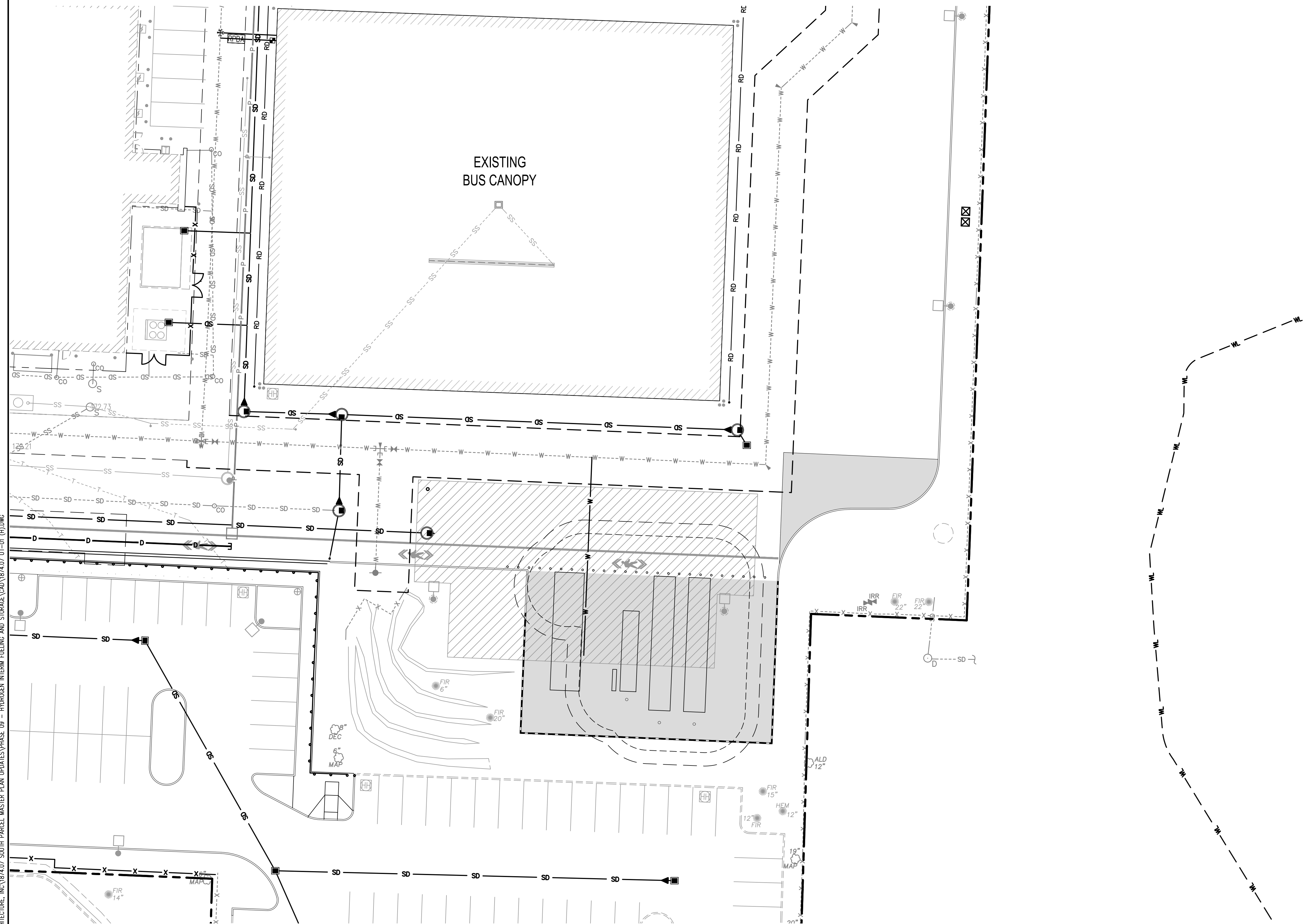
REVISIONS	DATE	BY



A PORTION OF SEC 18, T18N., R1W., W.M.

OLYMPIA, WA

SEC. 18, T18N., R1W., W.M



LEGEND

- | | |
|---|---------------------|
| ————— | EXISTING EASEMENT |
| -----SD-----SD-----SD----- | EXISTING STORM LINE |
| -----W-----W-----W----- | EXISTING WATER LINE |
|  | ASPHALT PAVEMENT |

GENERAL NOTES:

1. UTILITIES SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS (POWER, PHONE, GAS, CABLE, AND COMM.) ON LOCATION. CONTRACTOR SHALL REVIEW LOCATION WITH UTILITY PROVIDER AND ADJUST UTILITY LOCATION TO AVOID CONFLICTS W/ON-SITE UTILITIES.



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CONSULTING SERVICES

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OVERALL SITE PLAN

INTERCITY TRANSIT
HYDROGEN INTERIM FUELING & STORAGE
OLYMPIA, WA

NOT FOR
CONSTRUCTION

10/XX/2025

DESIGNER:
C. BUCKLEY

DRAWN BY:
K. GANS

APPROVED BY:
B. DUNNING

DATE: OCTOBER 20

JOB NO:
1874.07

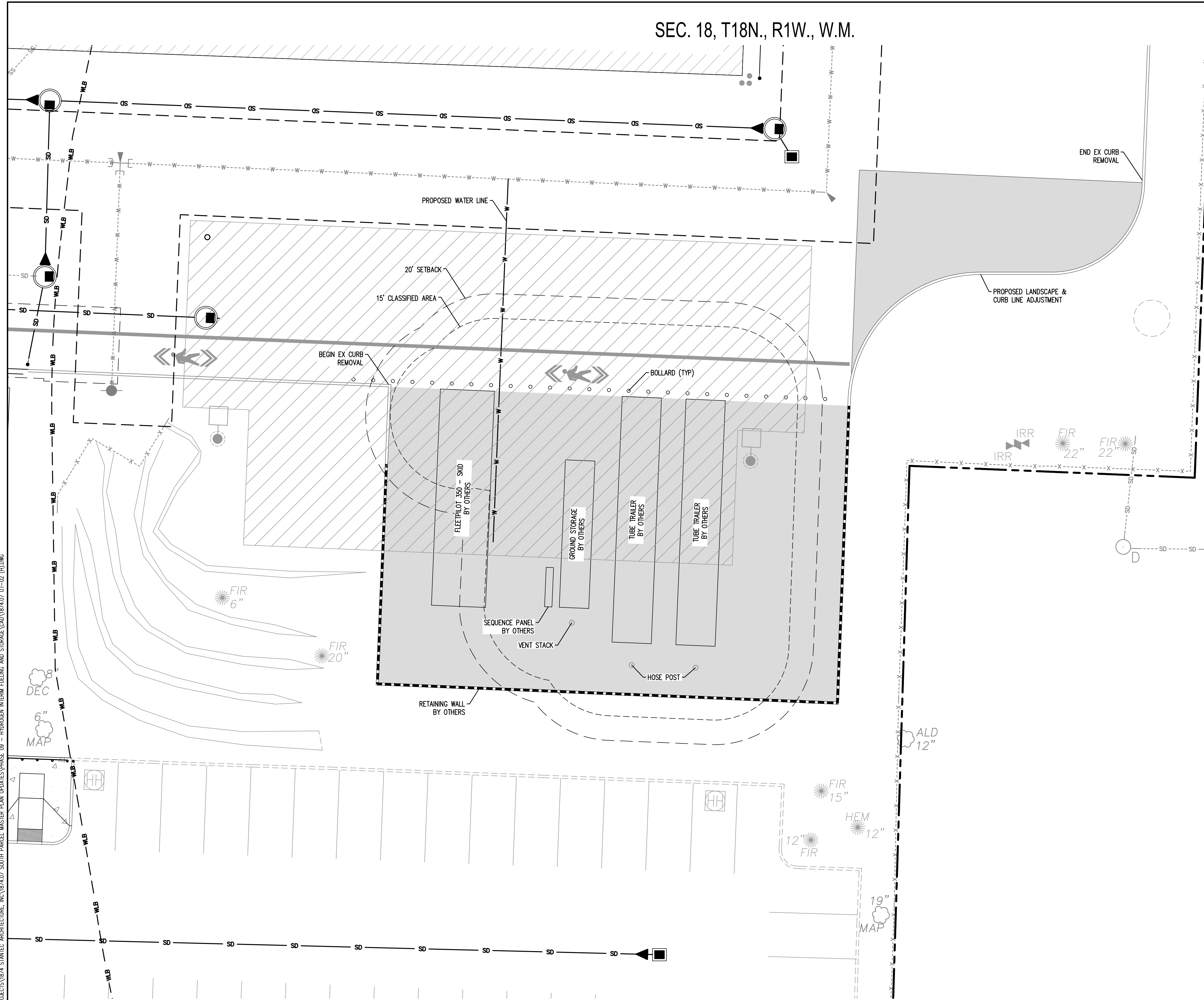
DRAWING FILE NO
1874.07 UT-0

DRAWING NO: UT

SHEET NO: 2 OF 3

Oct 15, 2025 12:46:47pm - User kyle.gans
IN: PROCEC\S\1874 STANTEC ARCHITECTURE, INC\1874.07 SOUTH PARCEL MASTER PLAN UPDATES\PHASE 09 - HYDROGEN INTERIM FUELING AND STORAGE\CAD\1874.07 UT-01 (H)DWG

SEC. 18, T18N., R1W., W.M



0 10 20

SCALE IN FEET

LEGEND

- | | |
|---|--------------------------|
| ---- | EXISTING EASEMENT |
| -----SD-----SD-----SD----- | EXISTING STORM LINE |
| -----W-----W-----W----- | EXISTING WATER LINE |
| ===== | RETAINING WALL BY OTHERS |
|  | ASPHALT PAVEMENT |

~~GENERAL NOTES:~~

1. UTILITIES SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDERS (POWER, PHONE, GAS, CABLE, AND COMM.) ON LOCATION. CONTRACTOR SHALL REVIEW LOCATION WITH UTILITY PROVIDER AND ADJUST UTILITY LOCATION TO AVOID CONFLICTS W/ON-SITE UTILITIES.
2. PAVING IS NOT INCLUDED AS PART OF THESE WATER AND SEWER IMPROVEMENTS. REFER TO PREVIOUSLY APPROVED PAVING PLAN INFORMATION.



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CONSULTING SERVICES

10 TALLON LANE NE, SUITE 200, LACEY, WA 98503
P: 360.352.1465
SCJALLIANCE.COM

SHEET TITLE: HYDROGEN INTERIM FUELING & STORAGE PLAN

INTERCITY TRANSIT
HYDROGEN INTERIM FUELING & STORAGE
OLYMPIA, WA

NOT FOR
CONSTRUCTION

10/XX/2025

DESIGNER:
C. BUCKLEY

DRAWN BY:
K. GANS

APPROVED BY:
B. DUNNING

DATE: OCTOBER 2025

JOB NO:
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DRAWING FILE NO:
1874.07 UT-02 (H)

DRAWING NO: UT-02

SHEET NO: 3 OF 3

[illegible]

Permit/Seal

 BUILDINGS
 GRAVEL
 FIRE DEPARTMENT ACCESS LANE
 = FDAL
 SITE/BUILDING ACCESS
 — — — — — PROPERTY LINE

-
- 01 FIRE DEPARTMENT CONNECTION
- 02 KNOX BOX - 8 TOTAL (2 ARE SPARES)
- 03 FIRE HYDRANT
- 04 ROOF ACCESS
- 05 BUILDING NUMBER SIGN
- 06 ADA ACCESSIBLE PARKING
- 07 MECHANICAL YARD
- 08 CHAINLINK FENCE
- 09 VEHICLE GATE
- 10 OPTICOM OPERATED GATE
- 11 ELECTRIC VEHICLE CHARGING
- 12 FIRE ALARM CONTROL PANEL

SEE ENLARGED
HYDROGEN INTERIM PLAN

NORTH

A circular compass rose with a vertical line and a horizontal line intersecting at the center. The top of the vertical line is an arrowhead pointing upwards. The word "NORTH" is written above the arrowhead. The bottom of the vertical line is an arrowhead pointing downwards. The word "SOUTH" is written below the arrowhead. The right end of the horizontal line is an arrowhead pointing to the right. The word "EAST" is written to the right of the arrowhead. The left end of the horizontal line is an arrowhead pointing to the left. The word "WEST" is written to the left of the arrowhead.

A1 **ARCHITECTURAL CODE SITE PLAN**
02-G003 1" = 30'-0"

Client/Project	INTERCITY TRAIL PATTISON SOUTH EXPANSION	MAINTENANCE REMODEL	526 PATTISON S OLYMPIA, WA
Project No.: 2270447201			
File Name: N/A			
Scale: As indicated			
Author	Designer	Checker	2022/09/26
Dwn.	Dsgn.	Chkd.	YYYY.MM.DD
Title			
CODE - SITE PLAN - SOUTH PARCEL			

Revision: 1

Drawing No.

02-G003



Table 7.3.2.3.1.2(B)(a)			
Exposure Types	>3000 to ≤7500 psig	Comply (Y/N/NA)	Notes
Exposures Group 1			
1 Lot lines		Y	Closest property line is further than 60' away
2 Air intakes (HVAC, Compressors, other)	20 ft	Y	Closest air intake more than 60' away
3 Operable openings in buildings and structures		Y	Closest more than 60' away
4 Ignition sources such as open flames and welding		Y	More than 60' away
Exposures Group 2			
5 Exposed persons other than those servicing the system	14 ft	Y	More than 35' away
6 Parked cars		Y	More than 35' away
Exposures Group 3			
7 Buildings of non-combustible non-fire-rated construction		Y	closest more than 60' away
8 Buildings of combustible construction		Y	No combustible construction within 60'
9 Flammable gas storage systems above or below ground		Y	No storage within 13 ft
10 Hazardous materials storage systems above or below ground		Y	None within 13 ft
11 Heavy timber, coal, or other slow burning combustible solids		N/A	
12 Ordinary combustibles, including fast-burning solids such as ordinary lumber, excelsior, paper, or combustible waste and vegetation other than that found in maintained landscaped areas	13 ft	Y	Landscaped area is maintained
13 Unopenable openings in buildings and structures		Y	Closest more than 60' away
14 Encroachment by overhead utilities (horizontal distance from the vertical plane below the nearest overhead electrical wire of building service)		Y	More than 35' away
15 Piping containing other hazardous materials		N/A	
16 Flammable gas metering and regulating stations such as natural gas or propane		N/A	

Table 7.3.2.3.1.2 (B)(b) Minimum Distance (D) from Outdoor Bulk Hydrogen Compressed Gas Systems to Exposures by Pipe Size and Pressure				
Pressure	>3000 to ≤7500psig			
	Exposures			
Pipe I.D.	Group 1	Group 2	Group 3	
(in)	D=1.105d-4.708	D=0.6831d-1.99	D=0.459d-0.355	
	ft	ft	ft	
0.3	14	11	10	
0.4	24	16	14	
0.5	33	22	18	
0.359	20	14	13	

Table 10.5.2.2.1.4 Separation Distances for Outdoor Gaseous Hydrogen Dispensing Systems				
System Component	Exposure	Required Separation		
		ft	m	
Dispensing equipment	Nearest important building or line of adjoining property that can be built upon or from any source of ignition	10	3.0	
Dispensing equipment	Nearest public street or public sidewalk	10	3.0	
Dispensing equipment	Nearest rail of any railroad main track	10	3.0	
Point of transfer	Any important building other than buildings of Type I or Type II construction with exterior walls having a fire resistance rating of not less than not less than 2 hours	10	3.0	
Point of transfer	Buildings of Type I or II construction with exterior walls having a fire resistance rating of not less than 2 hours or walls constructed of concrete or masonry, or of other material having a fire resistance rating of not less than 2 hours	No limit	No limit	
Point of transfer	Storage containers	3	1.0	

Table 7.3.2.3.1.7.1 Electrical Area Classification		
Location	Classification	Extent of Classified Area
Within 3 ft (1 m) of any vent outlet and any points where hydrogen is vented to the atmosphere under normal operations	Class I, Division 1, Group B or Class I, Zone 1, Group IIC	Between 0 ft (0 m) and 3 ft (0.9 m) and measured spherically from the outlet.
Between 3 ft (1 m) and 15 ft (4.6 m) of any vent outlet and any points where hydrogen is vented to the atmosphere under normal operations.	Class I, Division 2, Group B or Class I, Zone 2, Group IIC	Between 3 ft (0.9 m) and 15 ft (4.6 m) and measured spherically from the vent outlet
Storage equipment excluding the piping system downstream of the source valve	Class I, Division 2, Group B or Class I, Zone 2, Group IIC	Between 0 ft (0 m) and 15 ft (4.6 m) and measured spherically from the source

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